AGNICO EAGLE

MELIADINE GOLD MINE

Water Management Plan

JANUARY 2023
VERSION 12_NWB

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ᓴᓴᑉᑕᑦ (ᔪᓚᐃ) 2022-ᒥᑦ, ᐊᓴᓂᔨᔨᑦ ᑐᓂᔨᓚᐅᖅᑐᑦ ᐊᕿᑎᓕᓵᓴᔨᔨᓐᓄᑦ ᑭᖓᔪᓕᖅᑰᖅ ᐊᕿᑎᒥᓱ ᐊᓴᑐᖅᓯᓂᖏᑦ ᑎᑎᖅᖢᖓᑦ ᐃᓚᓕᐅᑎᓯᒪᔪᒥᓱ ᑕᓯᔪᐊᖏᑦ ᐅᐃᒍᑎᐊᖅᓯᓂᖏᑦ, ᐄᓐᓇᐅᔪᖅ ᖃᑎᖏᑐᕐᓯᖏᑦ ᓯᓚᑦᑎᑦ ᐃᒪᖏᑦ ᐊᐅᓚᑦᑎᓂᖏᑦ ᕿᖏᓇᐅᑎᓂᖏᑦ, ᐱᓕᓵᐊᓵᑐᔪᑎ, ᑐᖅᖢᔪᖅᑕᐅᓗᓂ, ᐊᓯᒪᓗ ᔨᐃᑎᑕᐅᓗᓂ ᑕᓵᐅᓕᑦ ᓯᓂᔨᖏᑦ ᐃᒪᖏᑦ, ᑐᓂᓴᐅᓂᔨᖏᑦᑐᖅ ᓄᓇᕕᒻᒥ ᐃᒪᓕᓵᓴᔨᔨᓐᓄᑦ ᐅᓇᐅᔪᑎᑦ ᐃᓕᓴᕐᓂᖓᓄᑦ ᐃᓕᓴᕐᓂᖓᓄᑦ ᐅᓇᐅᔪᑎᑦ ᑕᓯᔪᐊᖏᑦ ᐅᐃᒍᑎᐊᖅᓯᓂᖏᑦ.

ᐊᓴᓂᔨᔨᑦ ᐅᓴᖃᑦᑕᓵᐊᖓᑎ ᐊᐅᓚᓕᑎᖓᒪᒡᒐ ᑕᓯᔪᐊᖏᖅ ᐅᓴᖃᑦᑕᓵᐊᓂᖅ, ᐅᖓᓯᓂᔨᖓᓂᖅᑐᓂᖅ 25 ᑭᓚᒥᑐ ᑲᖓᔪᓂᖅᐸᓂ ᑲᓇᖅᓇᖓᓂ ᐊᓯᒪ 80 ᑭᓚᒥᑐ ᓂᒋᐊᓂ ᐃᑦᓗᓕᑎᔪᒃ ᑭᓴᓕᓂᖏᖅ ᓄᓇᕕᒻᒥ.

ᐊᖓᑕᖅᑕᐅᓚᐅᖅᓯᒪᓂᖓᓂ 2015 ᓄᓇᕕᒻᒥ ᐊᓴᑎᓕᓵᔪᓐᑦ ᑲᑎᒪᔨᖓᑕᓂᑦ, ᐊᓯᒪ ᐅᖓᓯᓴᓵᐊᖅᑕᐅᓂᔪᓕᓕᓵᓗᓂ ᐊᐅᓚᓂᖓᓗ, ᐊᓴᓂᔨᔨᑦ ᖃᐅᔨᒪᓂᖓᑕᓂᑦᓂᒃ ᖃᓄᐅᖓᓐᓇᔪᓂᖓᑕᓂᑦᓂᓪ ᔪᓪᓴᓂᒃ ᑕᓯᔪᐊᖏᑦ ᑲᔪᓯᑎᑦᓯᓂᖓᓐᓇᓚᐅᖅᓯᒪᑕ ᖃᓄᖅᑲᓂᓯᔪᖓᓐᓇᖅᑐᑦ. ᑕᑦᓇ ᒪᓕᑲᑕᐅᓪᓗᓂ ᐋᖅᑭᖅᑲᓂᓯᑕᐅᔪᒪᓪᓗᓂ ᑕᓯᔪᐊᖏᑦ ᐃᓕᓴᐊᖅᑲᓂᓯᑕᖓᓐᓄ ᐃᓯᒪᓕᕐᓴᐅᓚᐅᖅᓯᓐᓄᑦ. ᑕᓯᔪᐊᓵᑦ ᐃᓕᓴᐊᖅᑲᓂᓯᑕᖓᓐᓄ ᐅᖅᑯᐃᖅᓯᒪᓂᓯᓂᐊᖓᒪᑦᑕ ᐅᓴᖃᑦᑕᓵᐊᖏᑦ 2032 ᑎᑭᓪᓗᒍ 2043 ᐃᓕᓯᓗᓂᓗ ᓄᓇᕕᑦ ᐊᑕᓂᖅ ᐅᓴᖃᑦᑕᓵᐊᖏᐃᓐᓇᓂᖅ ᐊᓯᖏᓐᓂᖅ ᐊᖓᑕᖅᑕᐅᓯᒪᓕᓚᐊᓂᖅᑐᓂᖅ Wesmeg, Pump, F Zone, ᐊᖏᒪ Discovery ᐅᓴᖃᑦᑕᓵᐊᖓᑕ.

ᐃᒥᐅᑦ ᒥᐊᓂᓵᐅᓂᖓᓄᑕ ᑐᕋᑕᖓᑦ ᐊᖅᑐᐃᓂᓪ ᒥᑭᓂᖓᑦ ᐊᐅᓚᑦᑎᓂᓯᔪᓕᑦ ᐃᒥᐅᑦ ᐊᑐᖅᑕᐅᓂᖓᓄᓪᓂ ᑕᓯᔪᐊᑦ ᐅᓴᖃᑦᑕᓵᐊᖓᓪᓂ. ᐃᒥᐅᑦ ᒥᐊᓂᓵᐅᓂᖓᓄᑕ ᒪᑭᒪᔨᔪᑎᖓᑦ (ᐃᒥᖅ ᓄᓇᒥ, ᐊᑎᖅᓯᓕᖅᓯᒪᔪᑦ ᐃᓚᐅᓯᕐᓇᓐᓂ, ᖃᐅᒋᖅᓂᑦ, ᐊᓯᐊᓄᑦ ᔪᓕᖅᑎᑦᓯᔪᓂᑦ ᐊᖏᓪ ᔪᖅᓇᓐᓂ) ᐊᖓᐅᒪᓚᑕ ᓴᓇᔨᐅᓂᐊᖓᔪᓂᖅᓗ ᒥᐊᓂᓵᐅᓂᖓᓄᖅᑎᓯᖅᑐᑦ ᐃᓕᓴᕐᓂᖓᓄᑦ ᑕᓯᔪᐊᑦ ᐃᓕᓴᐊᖅᑲᓂᓯᑕᐅᓗᒃᑐᓂᑦ ᐃᓕᓴᕐᓂᖓᓄᑦ ᐃᓕᓴᐊᖅᑲᓂᓯᑕᐅᓗᒃᑐᓂ

ᑕᓯᖏᑦ B7 (SP6) ᐱᑎᐊᖏᓪᓗᓂ 2025 ᓯᕗᓪᒍᑦ. ᑕᓗᐅᖅᖃᖅᑐᑦ ᐃᓕᑦᑦ ᑯᐃᕆᐅᔨᒪᒍᒃ ᐅᕗᖓᑦ TIR02 or SP6 ᐅᕗᖓ SETP ᓯᕗᓂᖓᓂ ᑯᐃᕆᐅᓕᐅᖏᓂᖅᓯᓂ ᐃᑎᐃᐊᓄᑦ ᓯᐟᓗᓕᓴᑯᑦ.

ᑭᖓᔪᓕᖏᑲ ᐅᕆᖁᑕᓗᐊᖏᓂᐊᖅᑐᑦ ᑕᓯᖏᔪᐊᖏᒥ ᐅᑭᐅᓂᐊᖅ 2043. ᐅᑲᑯᐊᖅᐸᓕᓕᐊᓂᓗᐊᖅᑕᖓᒃ ᐱᑎᐊᖏᓂᐊᖅ>ᖅ 2044. ᕿᑎᖏᓂᑯ ᐅᕆᖁᑕᓗᐊᓄᑦ ᑕᑕᑎᐅᖅᒪᒍ ᐃᓕᒥᖅᑐᖅᑕᐅᐸᓗᑎᓗ ᐅᕗᖓᑦ CP1, ᓄᓇᕐᖅ ᑯᑲᑎᑕᐅᓗᓂ ᕿᑎᑕᐅᓯᒪᔨᓂᑦ ᐃᒪᐃᔪᖅᑕᓗᓂᓗ ᑕᓯᖏᔪᐊᖏᑦᑕ. ᑕᑕᑎᖅᑕᐅᓂᐊᖅ>ᖅ ᕿᑎᖅᑕᐅᓂᑯᑦ ᐊᖏᔪᒃ 7 ᐃᓗᐊᓂ (2044-2050). ᑕᓪᒪᖁᑦᑲ ᐃᒥᐅᐸ ᒥᐊᓂᓱᐅᓂᖓᓄᓕᑦ ᒪᑭᒪᑎᑕᐅᓯᒪᔨᑦ ᑭᓯᐊᓂ ᑯᐃᔨᖅᑐᓕᖅ ᐊᓐᓇ ᑕᓯᔪᐊᖏᓪᓗᑦ ᐃᑎᐃᐊᓄᓕᓪᓗ ᐅᑲᑯᐊᖅᑕᐅᓱᒪᓕᖅ ᐃᓯᒪᓕᕆᐅᐸᓗᓂ.

ᑕᓗᐅᖅᖃᖅᑐᖅ ᐃᓕᒥᖅ ᑯᐃᑎᑕᐅᓂᐊᖏᓂᖅᓯᒪᑕ ᐅᕗᖓᑦ SP6 ᓄᓇᐅᐸ ᐊᑕᓐᓄᑦ ᐊᐃᑲᓯᒪᓂᖅᖃᓕᓪᓗᓂ ᐅᕗᖓᑦ ᐅᑭᐅᓪᓕᑦ 2043 ᓯᕗᓪᒧᑦᓪᓗ. SP6 ᐃᓕᒥᖅᑐᖅᑕᐅᓯᒪᔪᓕᑦ ᑕᓯᖏᔪᐊᖏᒥᑦ ᐊᐅᔨᐅᓂᖓᓂ 2044. ᐅᕆᖁᑕᓗᐊᖏᓂᐅᐸᑦ ᐃᓕᒥᖅᑐᖅᑕᐅᓂᖓ ᐱᐊᓂᖅᓂᐊᖏᖅ>ᖅ ᓄᖅᖻᐊᓂ 2050.

ᐃᓕᓴᐊᑲᓂᖏᓂᖓᓄᑦ ᐅᑯᐊᖅᑕᐅᓂᐊᖏᓂᖅᑕ, ᐃᒥᐅᐸ ᒥᐊᓂᓱᐅᓂᖓᓄᑦ ᒪᑭᒪᔪᓂᑦ ᐊᑭᑭᑕᐅᓯᒪᓂᐊᖏᒪᑕ ᖃᐅᔨᔪᖅᑕᐅᓗᑎᑉ ᐃᒥᖅ ᓇᓱᒪᑦᑎᐊᖏᒪᖅᓂᑦ ᐊᐸᑎᒧᑦ ᑯᐃᑎᑕᐅᓕᐅᖏᓂᖅᓯᒪᓂᖓᓂ ᓴᓗᒪᖅᓴᖅᑕᐅᓯᒪᖅᑕᓗᓂ. ᐅᑯᐊᖅᑕᐅᓂᐊᖏᓂᖅᓯᒪᓂᖓᓂ ᐱᑎᐊᖏᓂᐊᖅ>ᖅ 2051. ᐃᒥᐅᐸ ᒥᐊᓂᓱᐅᓂᖓᓄᑦ ᒪᑭᒪᔪᑕᐅᓂᐊᖏᖅᑐᑦ (ᐃᑎᖅᓴᓕᐅᖅᑭᖅᓯᒪᔪᑦ, ᐊᑦᑎᑲᓯᓕᖅᑭᖅᓯᒪᔪᑦ, ᐅᓇᖏᓂᒧᑦ ᐃᑎᓂᖓᓄ, ᑯᑲᐴᐃᑲᑯᑭᖅᓯᒪᔪᑦ, ᑕᓯᔨᓗᐊ) ᐊᑐᑭᓐᓇᐃᖅᑎᑕᐅᓂᐊᖏᒪᑕ ᐊᓱᒪ ᑯᐃᑎᑕᐅᓕᔨᓗᑎᑉ ᐃᓕᓴᑯᓯᓐᓄᑦ ᐅᑎᖅᑎᑕᐅᓂᐊᖏᓗᓂᓗ ᐃᒥᐅᐸ ᐃᓕᓴᑯᓯᓐᓄᑦ ᒪᓕᒃᓗᒍ ᐊᑐᑕᐅᖏᓪᓗᓂᖓᓄᑦ ᓯᕗᓪᒧᑦᓪᓗ.

ᐅᑭᐅᓚᓄᑦ ᐊᒥᓱᓄᑦ, ᐅᑯᐊᖅᓂᐊᓵᖅᓂᖓᓂ, ᐃᒥᐅᐸ ᖃᓄᐃᓂᖓ ᑕᓯᖏᓂ ᐊᓱᒪ ᐃᓕᒥᖅᑐᖅᑕᐅᓯᒪᔪᓂᑦ ᑕᓯᖏᓂ ᐅᑲᑯᐊᖅᑕᐅᓂᐊᖏᓂᖅᓯᒪᓂᖓᓂᑦ ᓴᓗᒪᖅᓴᖅᑕᐅᓗᑎᑉ ᐃᒥᐅᐸ ᐃᓕᓴᑯᓯᓐᓄᑦ ᒪᑭᒪᔪᑕᐅᓂᐊᖏᓗᓂᓗ ᐃᒥᐅᐸ ᐃᓕᓴᑯᓯᓐᓄᑦ ᒪᓕᒃᓗᒍ ᐊᑐᑕᐅᖏᓪᓗᓂᖓᓄᑦ ᓯᕗᓪᒧᑦᓪᓗ.

EXECUTIVE SUMMARY

In July 2022, Agnico Eagle Mines Limited (Agnico Eagle) submitted to the Nunavut Impact Review Board the Final Environmental Impact Statement Addendum of the Meliadine Extension, which is currently under review. This document presents an updated version of the Water Management Plan, being submitted to the Nunavut Water Board (NWB) as part of the Water Licence Amendment of the Meliadine Extension.

Agnico Eagle is operating the Meliadine Mine, located approximately 25 kilometres (km) north of Rankin Inlet, and 80 km southwest of Chesterfield Inlet in the Kivalliq Region of Nunavut.

Since its approval in 2015 by the Nunavut Impact Review Board (NIRB), and to extend the life of the mine, Agnico Eagle has continued to extend its knowledge and validation of the gold deposits around the Meliadine Mine by way of additional exploration. As a result, an improved project, collectively referred to as Meliadine Extension, is being proposed. Meliadine Extension will extend the life of the mine from 2032 to 2043 and will add underground mining activities at the already approved Wesmeg, Pump, F Zone, and Discovery deposits.

The water management objectives are to minimize potential impacts to the quantity and quality of surface water at the Meliadine Mine. Water management structures (surface ponds, water retention dikes, thermal berms, water diversion channels and culverts) are in place and will be constructed as needed to contain and manage the contact water from the areas affected by Meliadine Extension or mining activities. The major water management infrastructure includes contact water and saline contact water collection ponds (CPs and SPs), water retention dikes, thermal berms, channels, a Water Treatment Complex (WTC) housing the Effluent Water Treatment Plant (EWTP) and the Saline Effluent Treatment Plant (SETP); a Sewage Treatment Plant (STP), and a Saline Effluent Waterline.

During mine operations of Meliadine Extension, contact water originating from affected areas on surface will be intercepted, diverted, and collected within the various collection ponds and eventually pumped to and stored in Collection Pond 1 (CP1). From CP1, contact water is routed through the EWTP and discharged to the receiving environment. Discharge to Itivia Harbour is prioritized, with the remainder discharged to Meliadine Lake according to the approved Meliadine Mine Adaptive Management Plan (Agnico Eagle 2022). At the Discovery site, contact and saline contact water will be managed in the Discovery Saline Pond (SPD1) and routed to SP6 for discharge to Itivia Harbour.

Saline contact water originating from the underground mines will be pumped to different SPs on the surface, and then routed to either Tiriganiaq Pit 02 (TIR02) prior to 2025 and to Saline Pond 6 (SP6) from 2025 onwards. All saline contact water will be eventually conveyed from TIR02 or SP6 to the SETP-WTC prior to discharge to Itivia Harbour via the waterline.

The last year of mining in the Meliadine Extension will occur in 2043. The Closure phase commences in 2044. The pits will be filled with all collected site contact water routed from CP1, gravity drainage from the catchments surrounding the pits, and supplementary flows pumped from Meliadine Lake. Pit flooding will proceed over 7-years (2044-2050). All of the operational phase water management infrastructure remains in place for this period, however, no discharges to Meliadine Lake or Itivia Harbour are planned during active closure.

All remaining saline contact water is pumped from SP6 to the underground void spaces from October 2043 onwards. SP6 is actively refilled by pumping water from Meliadine Lake during the open water season of 2044. Pit flooding will be completed by end of 2050.

During Meliadine Extension closure, the water management infrastructure on site will remain in place until monitoring demonstrates that the water quality is acceptable for environmental discharge without treatment. The post-closure phase begins in 2051. All water management infrastructure (i.e., channels, dikes, thermal berms, ponds) will be decommissioned and pre-existing drainage patterns restored to the extent practical once contact water meets the relevant water quality criteria.

The long-term, post-closure water quality in the collection ponds and in the flooded open pit lakes will meet closure objectives developed for Meliadine Extension as presented in the Site Wide Water Balance and Water Quality Model (Appendix E).

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DOCUMENT CONTROL

Version	Date	Section	Page	Revision	Author
6	March 2019	All	All	Update is to fulfill annual review requirement (NWB)	Environment Department
		1	4	Update to Mine Development Plan information	
		3.1	8-12	Updated Version 6 changes	
		3.2	11-12	Updated existing water management control structures	
		3.3	12-14	Revised structure design semantics; corrections to culvert design; updated CP3, CP4 design parameters and naming convention; removed incorrect artifact pertaining to culvert 1 flow handling	
		3.6	15	Addition of SP3; updates to SP2 design	
		3.8, 3.9	17-21	Included as-built parameter values; updated berm and dike naming convention, thermistor information	
		3.11	21-22	Updated freshwater intake design information; updates to SWTP system; RO management; EWTP monitoring; removed incorrect information pertaining to Freshwater intake	
		4.1, 4.2	25-31	Updated management of saline discharge to sea; revised information proposed in initial design	
		4.6	35	Updated key management activities schedule to include discharge to sea; updated regarding underground inflow management; revised haul road management; revised wash bay management; updated process water quantities	
		6.3	37	Updated impacted waterbodies status	
		7	40	Revised semantics regarding flow paths	
		Figure 1.2		Included additional information regarding July 23rd exceedance	
		Figure 6.1, 6.2		Updated Layout to most recent General Mine Site Plan	
		Figure 7.1a		Specified plan layouts are from feasibility level study	
				Updated Layout with monitoring stations to most recent General Mine Site Plan	
7	August 2019	3.9.4	20	Updated EWTP trigger limit to account for variance introduced by TSS-turbidity correlation strength	
		4.1	26	Updated Key Activities (Table 10) to reflect changes to H19/H20 dewatering schedule	
		4.1.1	27-28	Revised H19/H20 dewatering plan with requirements for advancement in dewatering schedule; Updated dewatering schedule (Table 11)	

Version	Date	Section	Page	Revision	Author
8	November 2019	3.5	15-16	Updated Saline Pond section to include current existence of SP2 and plans for construction of SP4.	
		Figure 3.2	55	Figure changed from planned location of SP2 to planned location of SP4.	
9	March 2020	All	All	Update is to fulfill annual review requirement (NWB)	
		Exec. Summary		Updated to include SETP, excess saline contact water management	
		3.1	9	Updated existing water management systems (saline ponds, SETP, discharge to sea)	
		3.2	12	Updated Table 2 and Table 3	
		3.3	13	Updated to include CP4 as existing structure and modified CP6 construction date	
		3.4	15	Update to Section	
		3.5	15	Updated to Section	
		3.6	16-17	Updated Table 7	
		3.9	19-21	Update to SWTP and EWTP systems, addition of SETP	
		3.11	22	Updated management of saline water discharge to sea	
		3.12	23	Update to Section	
		4.1	26-30	Updated Table 10 and Section	
		4.2	31	Updated process water management	
		4.3	32-33	Updated Meliadine Lake diffuser effluent flow rates and EWTP sludge disposal options	
		5	33-34	Update to Section	
		7	40	Update to Section. Removed information already presented in annual report (i.e., MEL-14 and MEL-SR results).	
		Figure 1.1		Updated Layout to most recent General Mine Site Location Plan	
		Figure 1.2		Updated Layout to most recent General Mine Site Plan	
10	July 2020 2021	All	All	Updated to support Water Licence Amendment	
		3	11-22	Updated to include CP2, CP2-Berm, Channel 9 and 10, and decommissioning of SP2	
		3.1	13	Updated Table 1 and section	
		3.2	15	Updated Table 3 and section	
		3.3	16	Updated Table 4 and section	
		3.5	18	Removed SP2 and updated Table 6 and section	
		3.6	18-20	Updated Table 7 and 8 and section	
		3.9.4	25	Update to EWTP system	
		4	27-35	Updated to add CP2 and update Table 9 and 10	
		4.3	34-35	Update EWTP discharge rate and Table 13	
		5	36-38	Water Balance update, moved section of Water	

Version	Date	Section	Page	Revision	Author
				Balance results and table into appendix C	
		6	40-41	Water Quality update	
		7	42	ICRP 2020 update and Table 16 to include CP2	
		Figure 2		Updated layout to most recent General Mine Site	
		Figure 4		Updated following decommissioning of SP2	
		Figure 6		Updated to include CP2 monitoring	
		Figure 8		Updated layout to most recent General Mine Site during closure	
		Figure 9		Updated layout to most recent General Mine Site after closure	
11	August 2021	All	All	Updated as per Part B, Item 13 of the Amended Water Licence	
		2.2	8-9	Updated section to reflect current Mine Plan	
		3	10	Added terminology and definitions for Plan clarity, removed Evaporators subsection	
		3.1	10	Removed SWTP from water management systems, updated Table 1	
		3.4	15-16	Updated section and Table 5 to reflect P-Area decommissioning	
		3.5	16	Added section on Contaminated Snow Cell	
		3.6	16-17	Updated section and Table 6 to include Tiriganiaq Pit 2 as saline water storage	
		3.9.3	20-21	Updated section to reflect current SWTP status	
		3.9.4	21	Section reorganized to include EWTP and SETP in Water Treatment Complex (WTC)	
		3.9.4.3	22	Added section to discuss current and possible future sludge management options	
		3.9.5	22	Updated to include second oil water separator at the maintenance shop wash bay	
		4	26	Updated section and Table 9 to include Tiriganiaq Pits 1 and 2 in Water Management Strategy items	
		4.1	28-30	Updated section and Table 10	
		4.3	35	Updated section and Table 13	
		5 & 6	35,37	Updated sections, removed WB and WQ results from document (these are/will be provided in Annual Reports)	
12_NIRB	February 2022	All	All	Submitted to NIRB as part of the Meliadine Extension Final Environmental Impact Statement	Permitting Department
12_NWB	December 2022	A yellow arrow in the right-hand margin indicates where updates have been made		Submitted to NWB as part of the Meliadine Extension Water Licence Amendment	Agnico Eagle Mines Limited

ACRONYMS

Agnico Eagle	Agnico Eagle Mines Limited
AWAR	All Weather Access Road
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
CP	Collection Pond
EMPP	Environmental Management and Protection Plan
EWTP	Effluent Water Treatment Plant
FDP	Final Discharge Point
FEIS	Final Environmental Impact Statement
GTC	Ground Temperature Cable
GWMP	Groundwater Management Plan
Licence	Type A Water Licence 2AM-MEL1631
MDMER	Metal and Diamond Mining Effluent Regulations
NIRB	Nunavut Impact Review Board
NWB	Nunavut Water Board
SD	Support Document
SP	Saline Pond
SETP	Saline Effluent Treatment Plant
SSWQO	Site Specific Water Quality Objectives
STP	Sewage Treatment Plant
SWTP	Saline Water Treatment Plant
TDS	Total Dissolved Solids
TSF	Tailings Storage Facility
TSS	Total Suspended Solids
WMP	Water Management Plan
WRSF	Waste Rock Storage Facility
WTC	Water Treatment Complex

UNITS

%	percent
°C	degrees Celsius
°C/m	degrees Celsius per metre
mg/L	milligram per litre
km	kilometer(s)
km^2	kilo square meter(s)
m	metre
mm	millimetre
m^3	cubic metre(s)
m^3/day	cubic metre per day
m^3/s	cubic metre per second
m^3/hour	cubic metre per hour
m^3/year	cubic metre per year
Mm^3/year	million cubic metre (s) per year
Mm^3	million cubic metre(s)
masl	metres above sea level
Mt	million tonne(s)

SECTION 1 • INTRODUCTION

Agnico Eagle Mines Limited (Agnico Eagle) is operating the Meliadine Gold Mine (the Mine), located approximately 25 kilometres (km) north of Rankin Inlet, and 80 km southwest of Chesterfield Inlet in the Kivalliq Region of Nunavut Figure 1.

Since its approval in 2015 by the Nunavut Impact Review Board (NIRB), and to extend the life of the mine, Agnico Eagle has continued to extend its knowledge and validation of the gold deposits around the Meliadine Mine by way of additional exploration. As a result, an improved project, collectively referred to as Meliadine Extension, is being proposed (Figure 2 and

Figure 3). Meliadine Extension will extend the life of the mine from 2032 to 2043 and will add underground mining activities at the already approved Wesmeg, Pump, F Zone, and Discovery deposits. The Meliadine Mine is subject to the terms and conditions of both the amendments to Project Certificate No.006 issued by the Nunavut Impact Review Board (NIRB 2019, 2022) and Amended Water Licence No. 2AM-MEL1631 (the Licence), issued by the Nunavut Water Board (NWB) on May 13, 2021 (NWB 2021).

In July 2022, Agnico Eagle submitted to the NIRB the Final Environmental Impact Statement (FEIS) Addendum of the Meliadine Extension, which is currently under review. This document presents an updated version of the Water Management Plan (WMP), being submitted to the NWB as part of the Water Licence Amendment of the Meliadine Extension.

1.1 Water Management Objectives

The water management objectives are to minimize potential impacts to the quantity and quality of surface water at the Meliadine Mine and surrounding waterbodies. The purpose of the WMP is to provide information to applicable mine departments (Environment, Engineering, Mine, Energy and Infrastructure, etc.) for sound water management practices, proposed and existing infrastructure, the water balance model, water quality predictions, and for the water quality monitoring plan for the Meliadine Extension.

Water management structures (culverts, sumps, pipelines, water diversion channels and water retention dikes/thermal berms) are utilized to contain and manage contact water from areas affected by mining activities.

1.2 Management and Execution of the Water Management Plan

Revisions of the WMP can be initiated by changes in the Mine Development Plan (Mine Plan), operational performance, personnel or organizational structure, regulatory or social considerations, and/ or design philosophy. The WMP is reviewed annually by Agnico Eagle and updated as necessary as part of the Annual Report.

1.3 Background

The Meliadine Extension site conditions, local hydrology, hydrogeology, and mine development plan are presented in the Environmental Management Protection Plan.

1.4 Water Management Guiding Principles

The Meliadine Extension water management plan is based upon two guiding principles; diverting clean (non-contact) water away from mine infrastructure where possible, and separating surface contact water and saline surface water, as described below:

- **Surface Contact Water**: Surface contact water originating from developed areas will be intercepted and conveyed to the various collection ponds for temporary storage. The primary mine sources of contact water are the WRSFs, open pits dewatering, a portion of the TSF, laydown areas and facilities areas. All contact water is eventually conveyed from local CPs to Collection Pond 8 (CP8) and then to CP1. From CP1, contact water is routed through the Effluent Water Treatment Plant (EWTP) as necessary and discharged to the receiving environment. Discharge to Itivia Harbour is prioritized, with the remainder discharged to Meliadine Lake. At the Discovery site, contact and saline contact water will be combined managed in the Discovery saline pond (SPD1) and routed to SP6 for discharge to Itivia Harbour. At the Tiriganiaq-Wolf site, contact and saline contact water will be combined and managed in the Wolf saline pond (SP5) and routed to SP6 for eventual discharge to Itivia Harbour.
- **Saline Contact Water**: Saline contact water originating from the underground mines will be pumped to SPs on the surface, and then routed to either TIR02 (prior to 2025) or (SP6 from 2025 onwards). In addition to underground dewatering flows, saline contact water (which has higher salinity content) is generated by the ore pads, saline WRSFs, and a portion of the TSF. All saline contact water will be eventually conveyed from TIR02 or SP6 to the SETP-WTC (where feasible), where it will be treated for total suspended solids (TSS) and ammonia (NH_3) prior to discharge to the receiving environment (Itivia Harbour).

The guiding principles of water management for Meliadine Extension are discussed in more detail in the Meliadine Mine Adaptive Management Plan, as follows:

1. Water discharges to Meliadine Lake will be minimized or eliminated (per commitment made during the waterline amendment application and reflected in Project Certificate No.006 Amendment 002 Term and Condition 25a).
2. Water will be discharged to Meliadine Lake only if there is insufficient residual capacity in the waterline system and stored surface contact water volumes are outside of normal operating levels set in place in consideration of D-CP1 design or that are judged to be detrimental to the performance or safety of the dike.
3. Agnico Eagle will proactively assess the feasibility of all potential adaptive management actions.
4. Design criteria of infrastructure will be respected at all times.

5. Operate treatment plants at stable rates to reduce risk of process upset.
6. Discharge rates throughout the year will be modulated based on the water balance.

The Adaptive Management Plan also presents specific management actions and mitigation measures to be taken when specified thresholds are exceeded. Mitigation measures may include special studies, operational changes, revised or new water and waste management systems, new or expanded conveyance systems, structures and/or facilities, or implementing mitigation activities to prevent, stabilize or reverse a change in environmental conditions or to otherwise protect the receiving environment.

There are no anticipated changes to the guiding principles and normal operating conditions as a result of Meliadine Extension.

Figure 4 summarizes the overall water management plan of Meliadine Extension for key infrastructure and presents the initial water collection locations and final water destinations. Appendix A presents the Groundwater Management Plan. Appendix B presents the Freshet Action Plan, which includes the Freshet Action Procedure and the Snow Management Procedure for Meliadine Extension. Appendix C presents the Sediment and Erosion Management Plan. Appendix D presents the Water Quality and Flow Monitoring Plan, and Appendix E the Water Balance and Water Quality Forecast for Meliadine Extension.

1.5 Meliadine Extension Phases

The operational phase for the Meliadine Extension is expected to commence in 2024 upon reception of permits and approvals. The mine development sequence and life of mine summary for all deposits are presented in Table 1. The approved Meliadine Mine was scheduled to be completed in 2032. With the Meliadine Extension, it is proposed to extend the LOM (i.e., operation phase) until 2043. Agnico Eagle will continue exploration activities with the objective to extend mine life beyond 2043.

Closure will extend for 7 years as pits are being flooded, from 2044 to 2050. The flooding of open pits with water would extend until the end of the closure phase. During closure, all saline contact water will be pumped to the underground and surface contact water, as well as local runoff and precipitation will be stored in the pits to enhance reflooding activities. Active reflooding will be conducted with water to be pumped from Meliadine Lake. There will be no discharge into Meliadine Lake or to Itivia Harbour during the active closure phase.

Post-closure will be initiated when flooded pits are reconnected to the surrounding environment and will last approximately 10 years, from 2051 to 2060.

Table 1. Meliadine Extension Mine Development Sequence

Proposed Life of Mine	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047-2050	2051-2060
Approved Mining																													
Tiriganiaq Deposit	■	■	■	■	■																								
Construction																													
Infrastructure					■	■	■	■	■	■	■	■	■																
Dewatering & Fish out					■	■	■	■	■	■																			
Tiriganiaq Deposit																													
Open Pit					■	■	■	■										■	■	■	■	■	■	■					
Underground					■	■	■	■	■	■	■	■	■	■	■	■	■	■											
Wesmeg Deposit																													
Open Pit					■		■	■	■	■	■							■	■	■	■	■	■						
Pump Deposit																													
Open Pit									■	■	■	■	■	■	■	■	■												
Underground										■	■	■	■	■	■	■													
F Zone Deposit																													
Open Pit											■	■	■	■	■	■	■												
Underground														■	■	■	■	■	■	■									
Discovery Deposit																													
Open Pit												■	■	■	■	■	■												
Underground							■	■	■	■	■	■																	
Tiriganiaq-Wolf Mining Area																													
Underground															■	■	■	■	■	■	■	■	■	■					
Closure																													
Infrastructure																									■	■	■		
Flooding																									■	■	■	■	
Post-Closure																													
Monitoring																													■

No planned activity occurs

■ Duration of activity at the identified location

SECTION 2 • WATER MANAGEMENT OVERVIEW

The water management structures of Meliadine Mine consist of a network of berms, dikes, CPs, SPs channels, culverts and sumps with approved designs and that are maintained to facilitate water management of the ongoing approved mining operations.

The proposed water management structures of Meliadine Extension discussed in this section have been designed to a level appropriate for inclusion in the FEIS Addendum to be submitted to the NIRB. The conceptual water management controls and structures described herein, will be reviewed, and updated as part of the NWB Type-A Water Licence regulatory process.

2.1 Surface Contact Water Management

This section presents the CPs of Meliadine Extension. It is assumed that the CPs of the approved Meliadine Mine and Water Licence Amendment (i.e., CP1, CP2, CP5, and CP6) will remain in place with exception of CP3 and CP4, which will be overprinted by the footprint of the TSF and WRSF 1, respectively. CP2 is operational since 2022. For Meliadine Extension it is assumed that surface contact water stored in CP3, CP4 and CP5 is routed to SP6 for discharge to Itivia Harbour. More details about surface water management of the approved Meliadine Mine can be found in the Meliadine Mine Annual Report, and corresponding approved Water Management Plan.

The following section focuses on surface contact water management for Meliadine Extension.

2.1.1 CP1

The CP1 is the primary surface contact water CP, with all excess water routed to the EWTP prior to discharge to Itivia Harbour or Meliadine Lake. Inflows to CP1 average 482,000 m^3/year, rising to an average of 2.5 Mm^3/year once the mine footprint expands in 2026. The maximum pond design volume is 855,245 m^3 and 742,075 m3 for the Maximum Operating Water Level (MOWL) of 66.2 m. During the Active Closure phase, the mine site is managed as a zero-discharge facility, with all CP1 inflows routed to the open pits. Beginning in the Post-Closure phase, volumes in the CP1 pond are allowed to fluctuate naturally, with outflows reporting via pre-mine drainage pathways to Meliadine Lake.

2.1.2 CP8

Once Lake B4 is dewatered in 2025, it will become CP8, an additional surface water CP for the remainder of the operations phase of Meliadine Extension. The maximum predicted pond volume of CP8 is 2,366,729m^3. Contact water will be routed from CP8 to CP1 for treatment via the EWTP, and subsequent discharge to Itivia Harbour and Meliadine Lake. Inflows to CP8 average 680,000 m^3/year, rising to an average of 2.1 Mm^3/year once pumping to CP8 commences in 2026. CP8 will have year-round operation, brought to minimum operating water level at the end of each fall. The water stored in CP8 will be transferred to CP1 from where water will be routed through either the Effluent Water Treatment Plant (EWTP) or the Saline Effluent Treatment Plant (SETP-WTC) as necessary and

discharged to the receiving environment. Discharge to Itivia Harbour via the waterline is prioritized, with the remainder discharged to Meliadine Lake, per the Adaptive Management Plan. CP8 will continue to serve as a surface contact water CP throughout the active closure phase (2044-2050); for post-closure, once water quality meets objectives, it will be reconnected to the environment.

2.1.3 Runoff Storage Areas

Natural and non-contact runoff storage areas (i.e., A6, B5 North B5 South and A8 West) will be located within dewatered lakes. These areas will operate by temporarily storing the spring freshet water in June. The runoff storage areas will be periodically pumped to manage the collected summer runoff water after the freshet. They will be brought to "dry" condition by the end of each fall to provide the storage capacity for the next freshet.

Table 2 presents key Information and design parameters for the main CPs and runoff storage areas for Meliadine Extension.

Table 2: Key Information and Design Parameters for CP8, A6, B5North, B5South and A8 West

Pond	CP8	A6	B5North	B5South	A8West
Original Lake Elevation (m)	56.55	59.59	58.25	58.25	62.16
Pond Volume for Water Elevation at Original Lake Elevation (m^3)	743,716	780,951	380,537	82,053	1,188,000
Projected Maximum Pond Operating Water Elevation under Normal Operating Conditions and Mean Precipitation Years (m)	58.17	59.5	57.96	57.30	60.45
Pond Volume for Water Elevation at Projected Maximum Pond Operating Water Elevation under Normal Operating Conditions and Mean Precipitation Years (m^3)	2,366,729	737,359	307,350	30,000	226,679
Estimated Maximum Water Elevation during IDF (m)	58.60	60.19	58.39	58.72	60.84
Pond Volume for Water Elevation at Estimated Maximum Water Elevation during IDF (m^3)	2,843,673	1,120,458	417,732	134,598	382,235
Dike for Pond	D-CP8 North D-CP8 South D-CP8 West D-CP8 East	D-A6	D-B5 North	D-B5 South	D-A8 South
Design Crest Elevation of Dike Containment Element (m)	60.4	62.0	60.2	60.3	62.5
Pond Volume for Water Elevation at Design Crest Elevation of Dike Containment Element (m^3)	4,429,238	2,597,193	952,162	262,569	1,188,000

Source: Tetra Tech (2023a)

2.1.4 Local Contact Water CPs and Sumps

Local smaller collection ponds (i.e., CP7, CP9, CPD1, and CPD2) will be used for temporary water storage during freshet and after a summer precipitation event. In general, contact water from local smaller collection ponds will be pumped to the larger collection ponds.

Table 3 presents key information and design parameters for local CPs and Table 4 presents the maximum storage capacities of local CPs, sumps for Meliadine Extension.

Table 3: Key Information and Design Parameters for CP7, CPD1 and CPD2

Pond	CP7	CPD1	CPD2
Excavated Pond Bottom Elevation (m)	40.0	61.0	59.0
Excavated Pond Outlet Elevation (m)	58.0	71.0	66.7
Pond Volume for Water Elevation at Pond Outlet Elevation (m^3)	217,000	52,600	35,400
Pond Volume for Water Elevation at Projected Maximum Pond Operating Water Elevation under Normal Operating Conditions and Mean Precipitation Years (m^3)	130,000	30,800	18,400
Pond Volume for Water Elevation at Estimated Maximum Water Elevation during IDF (m^3)	156,000	36,300	22,900
Thermal Protection Berm for Pond	Berm-CP7	N/A	Berm-CPD2
Average Excavation Depth (m)	13.0	11.0	9.5

Table 4: Local CPs and Sumps Maximum Design Capacity

CP/Sump	Function	Maximum Storage Capacity at MOWL (m^3)	Notes
CP9	Collect contact water from WRSF5 and WRSF6.	100,000	To store three days 1 in 100 wet year freshet runoff with assumed pumping rate during freshet.
CP7	Collect contact water from WRSF7 and pit water.	140,000	
CPD1	Collect natural runoff water and contact water from WRSF9 at Discovery and pit water.	33,000	
CPD2	Collect natural runoff water and contact water from WRSF10 at Discovery.	22,000	
Sump P1	Collect contact water from WRSF6.	7,000	To store three days 1 in 100 wet year freshet runoff with assumed pumping rate during freshet.
Sump P2	Collect contact water from WRSF6.	7,000	
Sump P5	Collect contact water from WRSF6 diverted by Channel 13.	44,000	To store three days 1 in 100 wet year freshet runoff with assumed pumping rate during freshet.

Source: Tetra Tech, 2023a

2.2 Groundwater and Saline Contact Water Management

The approved Meliadine Mine consist of the development of the Tiriganiaq gold deposit, with two open pits (TIR01 and TIR02) and one underground mine. Meliadine Extension proposes to include underground mining and associated saline contact water management infrastructures at the Pump, F Zone, and Discovery deposits, development of a new portal and associated infrastructures in the Tiriganiaq-Wolf mining area.

The underground mines will be operated below the base of continuous permafrost. The underground excavations act as a sink for groundwater flow during mining, with water induced to flow through the bedrock to the Underground Mine workings below the base of the permafrost.

The underground water management system is designed to prevent water from affecting the workings or production. The system contains a series of sumps (generally one at the access of each level) designed to capture groundwater inflows and runoff from mining operations (i.e., drilling), a clarification system, and a pumping system to redistribute the clarified saline contact water. More details about ground water management of the approved Meliadine Mine can be found in the Meliadine Mine 2021 Annual Report, and corresponding approved GWMP.

The following section focuses on groundwater management and saline contact water for Meliadine Extension.

Consistent with the Approved Meliadine Mine Water Management Plan, groundwater from the Meliadine Extension underground mines will be collected in underground sumps, transported to a clarification system, and subsequently recirculated for use in various underground operations. Temporarily inactive underground developments (similar to the water stope) are used for additional storage of excess underground water as required and as feasible. Further details on the underground water management system are provided in Appendix A.

Saline contact water will be managed in various saline ponds on the surface and then routed to either TIR02 open pit (prior to 2025) or SP6 (2025 onwards). The primary sources of mine related saline contact water include underground mine dewatering, ore pads, saline WRSFs, and a portion of the TSF.

From 2025 onwards, SP6 will be used as the main saline water collection pond from where the water will be transferred to the SETP-WTC and treated for total suspended solids and ammonia prior to discharge to Itivia Harbour. Several local saline ponds such as at Discovery (SPD1), Tiriganiaq-Wolf (SP5), Sumps P3 and P4 at Pump, and Sump F2 at F Zone will be used to temporarily store saline contact water before it is transferred to TIR02 open pit or SP6 depending on the operation year.

2.2.1 TIR02 Open Pit

In Q3 2021, mining in TIR02 open pit (TIR02) was stopped and the pit was subsequently converted to a saline contact water storage facility. TIR02 has a total saline contact water capacity of 1,616,554 m^3 and is currently used to store surface runoff to the pit and the saline contact water contained in both SP4 and SP1 in addition to on-going groundwater infiltration to the underground mine (Figure 5). Dewatering of both SP4 and SP1 to TIR02 took place in Q3 and Q4 2021. Starting in Q3 2021, groundwater from the underground mine is pumped to TIR02. For Meliadine Extension TIR02 will continue to serve as the primary SP until 2025 when SP6 becomes operational.

2.2.2 SP6

Once Lake B7 is dewatered during freshet of 2025, it will become SP6, the main SP of Meliadine Extension. Under Normal Operating Conditions and Mean Precipitation, SP6 has a total saline contact water capacity of 1,092,748 m3 at projected Maximum Operating Water Elevation (MOWL). SP6 volume for Water Elevation at Estimated Maximum Water Elevation during IDF is 1,366,764 m^3 (Tetra Tech 2023a).

The saline contact water stored in TIR02 pit will be transferred to SP6 to allow mining of TIR02 pit to resume during the winter of 2025/26. For Meliadine Extension it is assumed that surface contact water stored in CP3, CP4 and CP5 is routed to SP6. All saline contact water collected in SP6 will be routed to the SETP-WTC where it will be treated for total suspended solids (TSS) and ammonia (NH_3) prior to discharge to Itivia Harbour.

Treated effluent from the SETP-WTC is discharged into SP3. From SP3, the saline contact water is pumped into trucks which transport the water to Itivia Harbour, Rankin Inlet. For the Meliadine Extension it is assumed that trucking is stopped and saline water is stored in TIR02 open pit until the approved waterline becomes operational in June 2025.

It is assumed that, from June 2025 onwards, the waterline will be used to deliver effluent to Itivia Harbour via a diffuser. The effluent treatment and discharge rates via the waterline are as follows:

- 2020 – 2021 (July 15 – Sept 30) – discharge by truck to Itivia Harbour diffuser at a rate of up to 1,600 m^3/day
- 2022 – 2024 - no discharge by truck to Itivia Harbour. Saline water stored in TIR02 open pit.
- From 2025 – onwards (approx. June 20 to September 29) – discharge Itivia Harbour via the waterline at a rate of up to 20,000 m^3/day.

Further details pertaining the short, medium, and long-term groundwater management strategies are presented in the GWMP, Appendix A.

2.2.3 Local Saline Contact Water SPs and Sumps

From 2025 onwards, saline contact water originating from the underground mines will be managed in local SPs and sumps to temporarily store water from underground mining. Excess saline contact water from Discovery and Tiriganiaq-Wolf underground mining will be pumped to surface and collected into SPD1 and SP5. The runoff from the ore pads and saline WRSFs at from Discovery and Tiriganiaq-Wolf will also be collected into SPD1 and SP5, respectively. Water from SPD1 and SP5 will then be transferred to SP6.

As shown in Figure 4, saline contact water generated by the Saline WRSF 1, will be collected in sumps P3, sump P4, and saline contact water generated by Saline WRSF 2 will be collected by sump F2. Saline contact water from sumps P3, sump P4 and Sump F2 will be eventually conveyed to SP6. Table 5 and Table 6 present key information and design parameters for SP6 and SPD1 and SP5, respectively. Table 7 presents the storage capacities of saline water sumps for Meliadine Extension.

Table 5: Key Information and Design Parameters for SP6

Pond	SP6
Original Lake Elevation (m)	62.72
Pond Volume for Water Elevation at Original Lake Elevation (m^3)	843,558
Projected Maximum Pond Operating Water Elevation under Normal Operating Conditions and Mean Precipitation Years (m)	63.1
Pond Volume for Water Elevation at Projected Maximum Pond Operating Water Elevation under Normal Operating Conditions and Mean Precipitation Years (m^3)	1,092,748
Estimated Maximum Water Elevation during IDF (m)	64.2
Pond Volume for Water Elevation at Estimated Maximum Water Elevation during IDF (m^3)	1,945,296
Dike for Pond	D-SP6 North D-SP6 West
Design Crest Elevation of Dike Containment Element (m)	65.5
Pond Volume for Water Elevation at Design Crest Elevation of Dike Containment Element (m^3)	3,292,325

Source: Tetra Tech (2023a)

Table 6: Key Information and Design Parameters for SPD1 and SP5

Pond	SPD1	SP5
Excavated Pond Bottom Elevation (m)	50.0	42.0
Excavated Pond Outlet Elevation (m)	62.9	57.7
Pond Volume for Water Elevation at Pond Outlet Elevation (m^3)	102,700	265,800
Pond Volume for Water Elevation at Projected Maximum Pond Operating Water Elevation under Normal Operating Conditions and Mean Precipitation Years (m^3)	59,800	170,300
Pond Volume for Water Elevation at Estimated Maximum Water Elevation during IDF (m^3)	72,000	204,600
Thermal Protection Berm for Pond	N/A	Berm-SP5
Average Excavation Depth (m)	12.5	17.5

Source: Tetra Tech (2023a)

Table 7: Storage Capacities of Saline Water Sumps

Sump	Function	Maximum Storage Capacity at MOWL (m^3)
Sump P3	Collect contact water from Saline WRSF1 at Pump.	3,000
Sump P4	Collect contact water from Saline WRSF1 at Pump and groundwater from Pump underground mining.	50,000
Sump F2	Collect contact water from Saline WRSF2 and Ore Pile at F Zone and groundwater from F Zone underground mining.	40,000

Source: Tetra Tech (2023a)

2.3 Water Management Infrastructure

Additional to the CP, SPs, and sumps described in Sections 2.1 and 2.2, water management infrastructure from the approved Meliadine Mine (2014 FEIS, and 2018 FEIS Saline Effluent to Marine Environment, and 2020 FEIS Saline Effluent to Marine Environment by the Waterline) will continue to be used in addition to the Meliadine Extension water management infrastructures presented herein.

The required water management infrastructure (i.e., dikes, berms, sumps, diversion channels, pumps/pipelines etc.) for the Meliadine Extension were assessed and sized based on the overall site water and waste management plans and the results of the water balance and water quality modelling (Appendix E). The required water management infrastructure for the Meliadine Extension include the following:

- Eleven water retention dikes including Dikes D-SP6North, D-SP6West, D-B5North, D-B5South, D-CP8North, DCP8West, D-CP8South, D-CP8East, D-A8North, D-A8South, and D-A6;
- Eight water collection ponds including contact water ponds CP7, CP8, CP9, CPD1, CPD2, and saline ponds SP5, SP6, and SPD1;
- Twelve water diversion channels including Channels 11 to Channel 22;
- Seven sumps including Sump P1, Sump P2, Sump P3, Sump P4, Sump P5, Sump F1, and Sump F2;
- Two water diversion berms including Berm-D1 and Berm-D2;
- Five thermal protection berms including Berm-P5, Berm-CP7, Berm-F2, Berm-CPD2, and Berm-SP5;
- Various pump and pipelines; and
- Culverts as required.

2.4 Dikes, Thermal Berms and Water Diversion Channels

2.4.1 Water Retention Dikes and Thermal Berms

Consistent with the approved design, the dikes and thermal berms of Meliadine Extension were designed in accordance with the recommendations provided in the CDA Dam Safety Guidelines (CDA 2013 and 2014) and with the following guiding principles and objectives:

- In accordance with Canadian Dam Safety Guidelines (CDA 2007/2013) and Application of Dam Safety Guidelines to Mining Dams (CDA 2014/2019).
- In accordance with Global Industry Standard on Tailings Management (2021), if applicable;
- In accordance with Agnico Eagle's Corporate Standard – Risk Management and Monitoring System – Water Management (2021);
- Meet requirements in the Meliadine Mine Water Licence 2AM-MEL1631
- Minimize seepage through dike and its foundation while optimizing the construction efficiency;
- Maximize the use of available construction materials produced at the site;
- Minimize overall environmental footprints and effects; and
- Consider site specific geotechnical and climatic conditions, and water storage pond operation requirements.

2.4.2 Diversion Channels

Consistent with the approved design, Meliadine Extension diversion channels were designed to divert the natural run-off and contact water towards collection ponds and sumps that will be subsequently pumped to the main CPs and SPs. The diversion channels were designed to pass extreme intensity flow and rain events.

Table 8 presents a summary of the proposed water management infrastructures for Meliadine Extension and Table 9 presents their proposed construction schedule.

Table 8. Proposed Meliadine Extension Water Management Infrastructure

Water Management Infrastructure Type	Nomenclature	Location and Operational Function
Dike	Dike D-SP6North	Located north of SP6. D-SP6North will be used to contain saline water from the TSF and prevent the saline water from flowing to the downstream receiving environment.
	Dike D-SP6West	Located in the narrow between SP6 and Lake B6. D-SP6West will be used to contain saline water from the TSF and prevent the saline water from flowing into downstream dewatered Lake B6.
	Dike D-B5North	Located north of WN01 open pit within dewatered Lake B5. D-B5North will be used to divert runoff from flowing into WN01 pit.
	Dike D-B5South	Located south of WN01 open pit within dewatered Lake B5. D-B5South will be used to collect runoff from B5 south catchment and portion of runoff from WRSF5.
	Dike D-CP8North	Located in the narrow between CP8 and Lake B5. D-CP8North will be used to contain contact water stored within CP8 and prevent the contact from flowing to the dewatered Lake B5.
	Dike D-CP8South	Located within the narrow of CP8 and B45. D-CP8South will be used to contain contact water stored within CP8 and prevent the contact from flowing to the downstream receiving environment.
	Dike D-CP8West	Located in the narrow between CP8 and B3. D-CP8West will be used to contain contact water stored within CP8 and prevent the contact from flowing to the downstream receiving environment.
	Dike D-CP8East	Located west of PUM01 open pit. D-CP8East will be used to contain contact water stored within CP8 and prevent the contact from flowing into PUM01 open pit.
	Dike D-A8North	Located south of WES03 open pit. D-A8South will be used to divert runoff from flowing into WES03 open pit.
	Dike D-A8South	Located north of PUM02 and PUM04 open pits. D-A8South will be used to divert runoff from flowing into PUM02 and PUM04 open pits.
	Dike D-A6	Located southwest of FZO01 open pit. D-A6 will be used to divert contact water from Lake A6 from flowing into FZO01 open pit.
Berm	Berm-D1	Located west of Saline WRSF3 and industrial pad. Berm-D1 will be used to divert contact water from Saline WRSF3, industrial pad, and saline water from Saline WRSF3 and prevent the contact from flowing to the downstream receiving environment.
	Berm-D2	Located downstream of WRFS8 to divert the runoff water from WRSF8 to CPD1 during operation.
Thermal Berm	Berm-P5	Located in the narrow between Sump P5 and Lake B46. Berm-P5 will be used as thermal protection berm for Sump P5.
	Berm-CP7	Berm-CP7 will be used as a thermal protection berm for CP7 to reduce seepage to F Zone open pits from CP7.
	Berm-F2	Located between Lake A6 and Sump F2. Berm-F2 will be used as thermal protection berm for Sump F2.
	Berm-CPD2	Located north of CPD2. Berm-CPD2 will serve as a thermal protection berm to control the seepage flow from CPD2 to downstream (CH6).
	Berm-SP5	Berm-SP5 will serve as a thermal protection berm to control the seepage flow from SP5 to Lake D4.
Channel	Channels 11, 12 and 13	Channels 11 and 12 to divert contact water from WRSF6 towards Sumps P1 and P2. Channel 13 to divert contact water from WRSF6 towards Sump P5.

Water Management Infrastructure Type	Nomenclature	Location and Operational Function
	Channels 14,15, and 16	Channel 14 and Channel 15 to divert contact water from WRSF7 towards Sump F1. Channel 16 to divert contact water from F Zone Ore Pad and Saline WRSF2 towards Sump F2.
	Channels 17,18	Channels 17 and 18 to divert contact water from Saline WRSF3, ore pad, industrial pad, and fuel pad towards the downstream SPD1.
	Channels 19, 20, and 21	Channels 19 is to divert contact water from WRSF8 towards CPD1. Channels 19 and 20 to divert contact water from WRSF9 towards CPD2.
	Channel 22	Located east side of WRSF5 to divert the runoff water from east slope of WRSF5 to CP9 or PUM01 open pit and prevent the runoff water from flowing to the dewatered Lake A8 area.
Sump	Sumps P3 and P4	Sumps P3 and P4 to collect saline contact water from Saline WRSF2 at Pump.
	Sump P1, Sump P2, and Sump P5	Sumps P1 and P2 to collect contact water from WRSF6 that has been diverted by Channels 11 to 12. Sump P5 will be used to contain contact water from the Pump Ore Pad and WRSF6 and prevent the contact from flowing to the downstream receiving environment.
	Sump F1	Sump F1 to collect contact water from WRSF7 that has been diverted by Channel 14 and Channel 15.
	Sump F2	Sump F2 to collect saline water from F Zone Ore Pad and Saline WRSF2 that has been diverted by Channel 16 and saline water from F Zone Underground mining.
Culverts	To be determined	For water conveyance through haul roads and access roads.

Source: Tetra Tech (2023a)

Table 9. Meliadine Extension Planned Water Management Construction Schedule

Water Management Infrastructure Required for the Meliadine Extension	Planned Schedule for Start of Construction	Corresponding Mine Development
Dike D-B5North	2024	Wesmeg-North Mine Area Development and form CP8
Dike D-B5South		
Dike D-CP8South		
Dike D-CP8West		
Dike D-CP8North		
Dike D-CP8East		
Dike D-SP6North	2024	TSF Expansion and form SP6
Dike D-SP6West		
Saline Pond SPD1	2024	Discovery Mine Area Development
Berm-D1	2025	Discovery Mine Area Development
Channels 17 and 18		
Sumps P1, P2, P3, P4, and P5	2026	Wesmeg and Pump Mine Areas Development
Channels 11, 12, 13, and 22		
Berm-P5		
Dike D-A6	2028	F Zone Mine Area Development
Collection Pond CP7 and Berm-CP7		
Channels 14 and 15		
Sump F1		
Sump F2	2032	
Berm F2		
Channel 16		
Collection Pond CPD1	2030	Discovery Mine Area Expansion
Collection Pond CPD2		
Berm-CPD2		
Berm-D2		
Channels 19, 20, and 21		
Dike D-A8South	2031	Pump Mine Area Development
Saline Pond SP5	2032	Tiriganiaq-Wolf Mine Area Development
Berm-SP5		
Dike D-A8North	2036	Wesmeg Mine Area Development
Culverts	As required	Overall Site

Source: Tetra Tech (2023a)

Other water management systems of Meliadine Extension include the following components:

- A water treatment complex (WTC) building – hosting the EWTP and SETP-WTC
- A sewage treatment plant (STP)
- A potable water treatment plant (WTP)
- A network of surface pumps and pipelines

- A freshwater intake
- Jetties and pumping infrastructure at selected collection ponds
- An effluent diffuser located in Meliadine Lake
- A waterline to convey saline contact water to Itivia Harbour
- An effluent diffuser located in Itivia Harbour

Meliadine Extension water management infrastructures have been included FEIS Addendum submitted to the NIRB have been updated as part of the NWB Type-A Water Licence amendment application process.

2.5 Water Management for Haul Road

A network of roads will provide access to infrastructure at Meliadine Extension. Most of the roadways servicing the mining area are located so that drainage is directed by berms, channels and culverts towards designated collection ponds or sumps. Detailed information about water management on roads is described in the Roads Management Plan updated in support of the Meliadine Extension application.

2.6 Water Management for Landfarm and Landfill

Any water that accumulates at the onsite landfarm is pumped through an oil-water separator prior to discharge into CP1. Additional details for landfarm water management are described in the Landfarm Management Plan updated in support of the Meliadine Extension application. Leachate from the landfill is anticipated to be non-hazardous and non-toxic due to the controls put in place on the materials accepted for deposition in the landfill.

Annual landfill operations involve clearing of snow prior to spring melt. In the event there is leachate from the Landfill due to periods of heavy rainfall or spring freshet, the runoff will be collected, controlled and treated, if necessary, and sent to CP1. Additional details for landfill water management are described in the Landfill and Waste Management Plan updated in support of the Meliadine Extension application.

2.7 Water Management for Emulsion Plant Area

Freshwater is trucked to the emulsion plant and used for manufacturing emulsion as well as for washing vehicles. Water within the emulsion plant is re-used when feasible, and excess water is collected and disposed of on site (i.e., STP) or stored and shipped south as hazmat.

2.7.1 Water Management for the Wash Bay

Water used in the Wash Bay is re-used when feasible and excess water is treated with an oil-water separator to reduce or remove hydrocarbons. Treated water is moved to CP1 or the surface saline ponds, depending on *in situ* specific conductivity applied to approximate TDS concentration. Solid

waste from the treatment process is removed and disposed of appropriately (landfarm, hazmat, or waste rock facilities).

2.8 Freshwater and Sewage Management

Additional freshwater usage and sewage management is described in the following sections.

2.8.1 Freshwater Management

Major freshwater usages on site include potable use, fire suppression, make-up water for the mill, and other operational needs, such as drilling and paste production for backfill. Freshwater is sourced from Meliadine Lake through a freshwater intake and pump system. For dust suppression, water is sourced from the freshwater intake system, ponded water located along the AWAR, or small ponds proximal to the road. Surface contact water from CP1 is applied as dust suppression within the site surface contact water system catchment. Freshwater is pumped through an overland pipeline to potable water storage tanks and a fire water suppression tank. The maximum design flow rate for the potable water for the main camp and accommodations (kitchen, laundry) is 226 m^3 per day. There is an onsite Potable Water Treatment System. Treated potable water is piped to areas in the service complex and other facilities requiring potable water. Due to increased tonnage and increased camp capacity more freshwater consumption than originally planned is required. Agnico Eagle is requesting an increase to a total of 1,116,112 m^3/year for operations of freshwater consumption.

Approximately 17 Mm^3/year over a period of 10 years of freshwater was assessed under the 2014 FEIS (Section 7.3.3.10, 2014 FEIS), to fill the mined-out open pits during the mine closure. These quantities were inclusive of water needs for dust suppression. For Meliadine Extension, the updated model indicates that 55.2 Mm^3 of water from Meliadine Lake is required to fill the pits during the mine closure, with a lower pumping rate over the 7-year period.

2.8.2 Sewage Management

Sewage collected from the camp and MSB facilities is pumped to the STP. The objective of the STP is to treat sewage to an acceptable level for discharge. Treated Effluent from the STP is primarily pumped to SP6, however, per adaptive management plan, treated effluent from the STP could also be pumped to CP1. The STP is housed in a prefabricated (modular) structure, located at south-east of the service complex at the Industrial Pad. For Meliadine Extension, the system is designed to treat a maximum daily flow of 299 m^3/day. The STP for the camp facilities is designed to meet appropriate guidelines for wastewater discharge (Agnico Eagle 2020b). Details regarding STP specifications and operation can be found in the Operation & Maintenance Manual Sewage Treatment Plant (Agnico Eagle 2021a).

2.8.3 Process Water Management

Process water is required in the mill for ore processing and is primarily sourced from Meliadine Lake through the freshwater intake system. Freshwater required for milling is not expected to exceed the freshwater consumption assessed in the 2014 FEIS when combined with other sources of

consumption. As per the Licence, reclaim of surface contact water for use at the Mill is maximized to the greatest practical extent.

2.9 Meliadine Lake Diffuser Effluent Flow Rates

The EWTP is currently configured to discharge effluent to Meliadine Lake via a diffuser at a rate of 22,000 m^3/day. The pump does not operate continuously at the maximum rate. The anticipated amount of effluent requiring discharge over each month per year is presented in the Water Balance and Water Quality Model (Appendix E).

2.10 Freshwater Intake

Freshwater usage at the Meliadine Mine includes potable uses, fire suppression, make-up water for the mill, and other operational requirements, such as drilling water, dust suppression, paste backfill production, and use at the washbay. The main freshwater intake is located northeast of the industrial pad in Meliadine Lake. The intakes consist of vertical filtration wells fitted with vertical turbine pumps that supply water on demand. Both intake pipes are fitted with a screen of an appropriate mesh size to ensure that fish will not be entrained and shall withdraw water at a rate such that fish do not become impinged on the screen (NWB 2016). No update to the freshwater intake is required for the Meliadine Extension.

2.11 Water Treatment

Contact water will be treated (if necessary) to meet Licence requirements prior to being discharged to the environment. TSS mitigation techniques (i.e., attenuation ponds, silt screens, etc.), oil separation treatment, the STP, the SETP-WTC, and the EWTP are used accordingly at various locations at Meliadine Extension prior to water being transferred to containment ponds and/or as effluent discharge to Meliadine Lake or Itivia Harbour. Water quality criteria are discussed in the Water Quality and Flow Monitoring Management Plan (Appendix D).

No changes in water treatment processes or parameters are proposed for Meliadine Extension.

2.11.1 Freshwater Treatment Plant (WTP)

Freshwater from Meliadine Lake is treated in the WTP before being directed to the camp areas for potable (domestic) water uses. The design flow rate for freshwater for the main camp and accommodations is 226 m^3/day. In the WTP, freshwater is pumped through cartridge filters, then pumped through ultraviolet units, and finally treated with sodium hypochlorite (chlorine). The treated water is stored within a potable water tank. Potable water is monitored according to the Nunavut Health Regulations for total and residual chlorine and microbiological parameters. Operation and maintenance details for the WTP can be reviewed in the Operational & Maintenance Manual – Water Treatment Plant (Agnico Eagle 2020a).

2.11.2 Sewage Treatment Plant (STP)

The STP for Meliadine Extension is rated for a treatment rate of 299 m^3/day. The water use per person is 250 L/day, and camp capacity will be 905 persons. During the active closure phase, the STP will operate for 6 months of the year (May to October), with a camp capacity of 75 persons. Wastewater from the accommodation complex and from satellite sewage tanks will be treated in the STP using a membrane bioreactor process before being directed to SP6, per the Adaptive Management Plan, treated effluent from the STP could also be pumped to CP1 for discharge to Meliadine Lake. Operation and maintenance details for the STP can be reviewed in the Operational & Maintenance Manual – Sewage Treatment Plant (Agnico Eagle 2021a). Sludge is pressed using a volute dewatering unit and stored in the active deposition zone of WRSF1 to ensure coverage with waste rock. After the WRSF1 is completed, sludge will be stored in other WRSFs.

2.11.3 Saline Water Treatment Plant (SWTP)

The SWTP is decommissioned and not currently a component of the groundwater management strategy of Meliadine Extension.

2.11.4 Water Treatment Complex (WTC)

The WTC is a building designed to house both the EWTP and SETP-WTC. The WTC provides a centralized building for surface contact water and saline contact water treatment, allowing for improved operational synergy. Construction of the WTC commenced in Q3 2020. The installation of the EWTP within the WTC was completed Q2 2021 to allow for discharge to Meliadine Lake during the open water season. Further information regarding the WTC can be found the As-Built Report (Agnico Eagle 2021b).

Effluent Water Treatment Plant (EWTP)

The purpose of the EWTP (Actiflo® model ACP-700R) is to reduce Total Suspended Solids (TSS) to a target maximum concentration of 15 mg/L from the influent surface contact water pumped from CP1 prior to its discharge through the diffuser into Meliadine Lake. Throughout operation of the EWTP in 2018 and 2019, the maximum capacity (nominal flow) of the discharge system was 520 m^3/h. In Q2 2020, the system underwent upgrades to improve discharge capacity to 916 m^3/h. Further information regarding EWTP operation can be found in the EWTP Operation and Maintenance Manual (Agnico Eagle 2021c). Forecasted monthly averages requiring treatment at the EWTP are provided in Appendix E.

Trigger limits for stopping discharge are in place at the EWTP as a component of TSS and TDS exceedance mitigation during periods of discharge. These trigger limits are derived from a regression analysis of TSS concentration as a function of turbidity, and TDS as a function of specific conductivity. The regressions are developed using MEL-14 grab sample laboratory measured specific conductivity and turbidity readings paired with corresponding TDS and TSS results. Rating curves are then applied to continuous *in situ* specific conductivity and turbidity readings taken from internal probes within the EWTP prior to discharge to approximate TDS and TSS, respectively. When a trigger limit is reached, the EWTP stops discharge immediately and begins recirculating treated water to CP1.

Agnico Eagle will continue to gather calibration/confirmatory paired samples in the future to actively increase the number of data points and strengthen the turbidity-TSS and conductivity-TDS correlations.

Saline Effluent Treatment Plant-Water Treatment Complex (SETP-WTC)

As discussed in Section 2.2, saline water stored in SP6 will be conveyed to the SETP-WTC where it will be treated (as required) prior to discharge to the Itivia Harbour via the approved waterline. Treated saline contact water will meet MDMER end-of-pipe discharge criteria. The Raw water feeding the SETP-WTC will be pumped to two parallel treatment lines. One line is used for ammonia and TSS removal through a break point chlorination process and TSS clarification. A Reverse Osmosis Plant is also in place to treat TDS from CP5.

This line is composed of the following steps:

- Oxidation of ammonia in nitrogen gas in a mixed reactor using calcium hypochlorite solution. In this step, pH is controlled by caustic and sulphuric acid addition.
- Dechlorination using powder activated carbon to remove the excess of chlorine, followed by an addition of sodium thiosulfate for chlorine removal polishing.
- TSS removal using a sand ballasted clarifier (Actiflo®). Addition of coagulant, flocculent and microsand is required to achieve high removal rates of TSS
- The second line is composed of the following step: TSS removal using a sand ballasted clarifier (Actiflo®). Addition of coagulant, flocculent and microsand is required to achieve high removal rates of TSS

Both lines are then conveyed in a polishing filtration step using a disk filtration system prior to being pumped in the water line pumping station, where pH can be adjusted with sulphuric acid if needed. The design flow rate of the SETP-WTC is as follow:

- Design flow for the breakpoint chlorination line (limited by Actiflo® hydraulic) - 12 000 m^3/d.
- Design flow for the TSS removal line only (bypassed water): 12 000 m^3/d.
- Maximum flow for the global water treatment plant (limited by the polishing filtration and the waterline): 20 000 m^3/d.

Waterline

Meliadine Extension includes the used of the approved waterline for conveyance of saline water to Itivia Harbour. The waterline will deliver effluent to Itivia Harbour via a diffuser, assumed to occur in 2025. The effluent treatment and discharge rates are as follows:

- 2020 - 2022 (July 15 – Sept 30) – discharge by truck to Itivia Harbour diffuser at a rate of up to 1,600 m^3/day.

- From 2025 – onwards (approx. June 20 to September 29) – discharge by waterline to Itivia Harbour at a rate of up to 20,000 m^3/day.

The guiding principle for discharge of site water (both surface contact water and saline contact water) is to limit the volumes discharged to Meliadine Lake to the extent practicable and maximize the discharge of surface contact water to Itivia Harbour via the Waterline, while still effectively managing the site saline water balance as outlined in the Adaptive Management Plan.

Agnico Eagle will measure the following parameters of the effluent to advise discharge operations and help ensure discharge parameters are met prior to discharge to Itivia Harbour: pH, turbidity, specific conductivity, temperature, chlorine, and ammonia. Ammonia will be analyzed periodically in the treated effluent with a manual method to assess the treatment. Total chlorine will be measured continuously. Final discharge point (FDP) samples will be analyzed at an accredited laboratory as per MDMER requirements, as discussed within the Water Quality and Flow Monitoring Management Plan (Appendix D).

Sludge Management

Sludge produced as part of the TSS removal process at the EWTP and SETP-WTC is discharged into saline water storage. The sludge is sampled monthly for metal content, hydrocarbons (C10-C50) and organic carbon to determine potential impact on the receiving saline ponds. Agnico Eagle invested in a screw press technology in 2019 to remove approximately 85% of the water from the STP. The remaining semi-solid product (referred to as cake) will be placed and covered with overburden/waste rock in the WRSFs. During planned and unplanned maintenance on the STP screw press, liquid sludge will be produced. This material will also be placed within the WRSFs.

2.11.5 Oil Separators

An oil-water separator is installed at the Landfarm. The oil-water separator located at the Landfarm is used to treat both direct precipitation to the landfarm footprint and melt from snow containing hydrocarbons (i.e., snow on which spills occur) that is stored in the landfarm and contaminated snow cell over winter.

Treated water is analyzed for benzene, toluene, ethylbenzene and xylene (BTEX), lead, and oil and grease prior to discharge to CP1 or used on the windrows to increase moisture content, as required. Hydrocarbons removed from water are stored and managed as hazmat. A second oil water separator is applied to treat water from the maintenance shop wash bay, in which mining equipment from both surface and underground operations undergo cleaning. Treated water is analyzed for BTEX, lead, and oil and grease prior to discharge to CP1 or saline ponds depending on *in situ* specific conductivity applied to approximate TDS concentrations. Hydrocarbons removed from water are stored and managed as hazmat. No update to the oil separators is required for the Meliadine Extension.

2.12 Meliadine Lake Discharge Diffuser

The discharge diffuser is the final surface contact water effluent discharge location for the Mine. The overall purpose of the diffuser is to discharge water from CP1 (at sampling station MEL-14) to Meliadine Lake while providing minimal environmental impacts to the Lake. The effluent mixing will be dependent on ambient currents in Meliadine Lake, driven by wind during the open water period. The diffuser modelling was initially conducted by Golder Associates Ltd. Further updates to the diffuser model were completed by Tetra Tech in support of the Water Licence Amendment (Tetra Tech 2020). No update to the Meliadine Lake diffuser is required for the Meliadine Extension.

SECTION 3 • WATER BALANCE AND WATER QUALITY

3.1 Water Balance

The site-wide water balance model is set-up to represent the interaction of the local climatic regime with the mine plan and water management plan, and based on these interactions, to predict the volumes of various water types (i.e., non-contact, surface contact and saline contact) requiring management, treatment and discharge to the receiving environment (Lorax 2023), as shown in Figure 6. The most recent update to the water balance was carried out by Lorax (2023) in support of the Meliadine Extension Water Licence Amendment application. The Meliadine Extension water balance results are provided in Appendix E. All future water balance model updates will be provided in Annual Reports. The water balance model will be updated once per year, as per the Water Licence.

3.2 Water Quality

Water quality predictions for Meliadine Extension were conducted by Lorax (2023) using the GoldSim database management and simulations code (Version 14) where mine surface contact water and saline contact water flows derived from the Meliadine Extension water balance were combined with chemistry data from materials exposed in mine infrastructure (i.e., TSF, WRSFs, ore pads), and site baseline information. Water quality estimates were generated for the operational, closure and post-closure periods for effluent to Meliadine Lake, each CP, SPs, sumps, and all the open pits and for the fully flooded open pit lakes at post-closure (Figure 7 and Figure 8). These results are included in Appendix E.

As per the amended Licence, the water quality forecast will be updated annually. Future updates to the water quality forecast will be provided via the Annual Reports.

SECTION 4 • MONITORING

4.1 Water Quality Monitoring

Water quality monitoring results of the Meliadine Mine are compared to MDMER criteria and effluent quality limits listed in the Licence. Water quality pertaining to MEL-14 will be compliant to Part F, Item 3 of the Licence prior to discharging to Meliadine Lake. All surface runoff and/or discharge from drainage management systems associated with the Mine, including laydown areas and All-Weather Access Road, where flow may directly or indirectly enter a water body, shall not exceed the Effluent quality limits listed in Part D, Item 18 of the Licence. Furthermore, all waters from natural water body dewatering activities shall be directed to Meliadine Lake and shall not exceed the Effluent quality limits listed in Part D, Item 12. Further details on water quality monitoring are presented in Appendix D, including the proposed sampling locations for Meliadine Extension.

4.2 Water Management Structure Monitoring

Pursuant to Part E, Item 16 of the Amended Water Licence, Agnico Eagle will carry out weekly inspections of all water management structures during periods of flow and monthly thereafter. The records will be maintained for review upon request of an Inspector. More frequent inspections may be required at the request of an Inspector.

4.3 Culvert and Water Crossing Inspections

Culverts and water crossings along the site access roads, All-Weather Access Road, Discovery Road, Bypass Road, other roads (e.g., roads to Tiriganiaq-Wolf), and at the Itivia site will be inspected for the following conditions. These inspections also satisfy the monitoring procedures outlined in the Sediment and Erosion Management Plan (Appendix C):

- Damage to the inlet or outlet of the culvert which may impede flow capacity;
- Bed erosion upstream and downstream of watercourse crossing structures;
- Scour under bridge abutments and abutment foundations;
- Erosion along cutslopes and fillslopes of embankments (rill and gully erosion);
- Blockages within the culvert including snow, ice, debris; and
- Snow cover or snow piles which would prevent routing of water towards the inlet of the culvert (only applicable prior to freshet).

In the case that any of the above conditions are observed, corrective actions will be taken to optimize culvert/water crossing function and integrity.

4.4 Thermal Monitoring

Vertical Ground Temperature Cables (GTCs) will be installed along the key trenches and below the crest of selected dikes to monitor the thermal performance of the foundation materials. Thermal

monitoring will also be conducted in the permafrost as described in the GWMP (Appendix A). Thermal records collected from these sensors will provide temporal analysis of temperature profiles to assess whether the structures are performing as intended. The details of the thermal monitoring plan of water management structures of Meliadine Extension will follow the same principles of the approved Meliadine Mine and updated as part of the NWB Type-A Water Licence application process. In addition to thermal monitoring, visual geotechnical inspections of water management structures will be performed per the Water Licence requirements.

4.5 Collection Pond Inspections

Water collection ponds will be inspected for the following conditions:

- Water quality results as a trigger to implement mitigation actions;
- Unplanned inputs via surface runoff which are not part of the water management system; and
- Water level elevation above the operating manual maximum.

In the case that any of the above conditions are observed, corrective actions will be taken to prevent loss of available water capacity or potential degradation to the thermal berms and/or dikes and consistent with the approved Adaptive Management Plan.

4.6 Dike and Thermal Berm Inspections

Dikes and thermal berms will be inspected to monitor the performance of the structure. Pertaining to dikes, a ‘master” sketch of all the observed surface features that were documented in the past is maintained to monitor any changes/new features. Inspections focus on the upstream slope, crest, downstream slope, and downstream toe. Observations include the following:

- New areas of movement/deterioration not previously documented;
- Changes to previously documented areas of movement/deterioration;
- Evidence of seepage along the downstream slope of toe;
- The presence of water in downstream channel/sump; and
- Areas of movement/deterioration of downstream channel/sump (where present).

Any issues or potential problems identified will be addressed accordingly by the Responsible Person to mitigate risks and maintain integrity of the structures.

4.7 Water Diversion Channel and Berm Inspections

In addition to the water management structures requiring inspections under the Water Licence, Agnico Eagle will carry out inspections of all channels for the following conditions:

- Obstructions to flow (ice, debris);
- Inflows not part of the water management system;

- Degradation of channel banks;
- Seepage through water diversion berms resulting in water movement to areas not planned within the water management system; and
- Erosion of diversion berms (i.e., undercutting, slope failure, etc.).

In the case that any of the above conditions are observed, corrective actions as directed by the Responsible Person will be taken if there is potential for compromise effectiveness of the channel function or potential for unplanned impact to water quality or quantity in associated containment ponds.

REFERENCES

Agnico Eagle (2014). 2014 FEIS SD7-3. Freshwater. Prepared by Golder Associates for Agnico Eagle Mines Ltd.

Agnico Eagle. 2020a. Operational and Maintenance Manual – Freshwater Treatment Plant Upgrade. Version R0. 6526-461-132-REP-001. June 2020.

Agnico Eagle. 2020b. Design Report – Sewage Treatment Plant (STP) Upgrade. Version R0. 6526-460-132-REP-002. July 2020.

Agnico Eagle. 2021a. Operation & Maintenance Manual (OMM) – Sewage Treatment Plant Upgrade. Version 5. 6526-460-132-REP-001. March 2021.

Agnico Eagle. 2021b. As-Built Report – Building for Water Treatment Complex (WTC). Version R0. 6526-694-132-REP-002. February 2021.

Agnico Eagle. 2021c. Operation & Maintenance Manual – Effluent Water Treatment Plant (EWTP). Version 2. January 2021.

Lorax (Lorax Environmental Services). 2023. Meliadine Extension: Meliadine Extension Water Balance and Water Quality Model Update, January 2023.

NIRB (Nunavut Impact Review Board). 2019. NIRB Meliadine Gold Mine Project Certificate [NO.: 006] Amendment. February 26, 2019.

NIRB. 2022. NIRB Meliadine Gold Mine Project Certificate [NO.: 006] Amendment 002. March 2, 2022.

NWB (Nunavut Water Board). 2021. Amended Water Licence: No: 2AM-MEL1631. May 13, 2021.

Tetra Tech. (2023a). Prefeasibility Level Design for Water Management Infrastructures for Operation Phase, Meliadine Extension, Nunavut. Prepared for Agnico Eagle Mines Ltd. By TetraTech Canada Inc. January, 2023.

Figure 1: General Meliadine Mine Location Plan

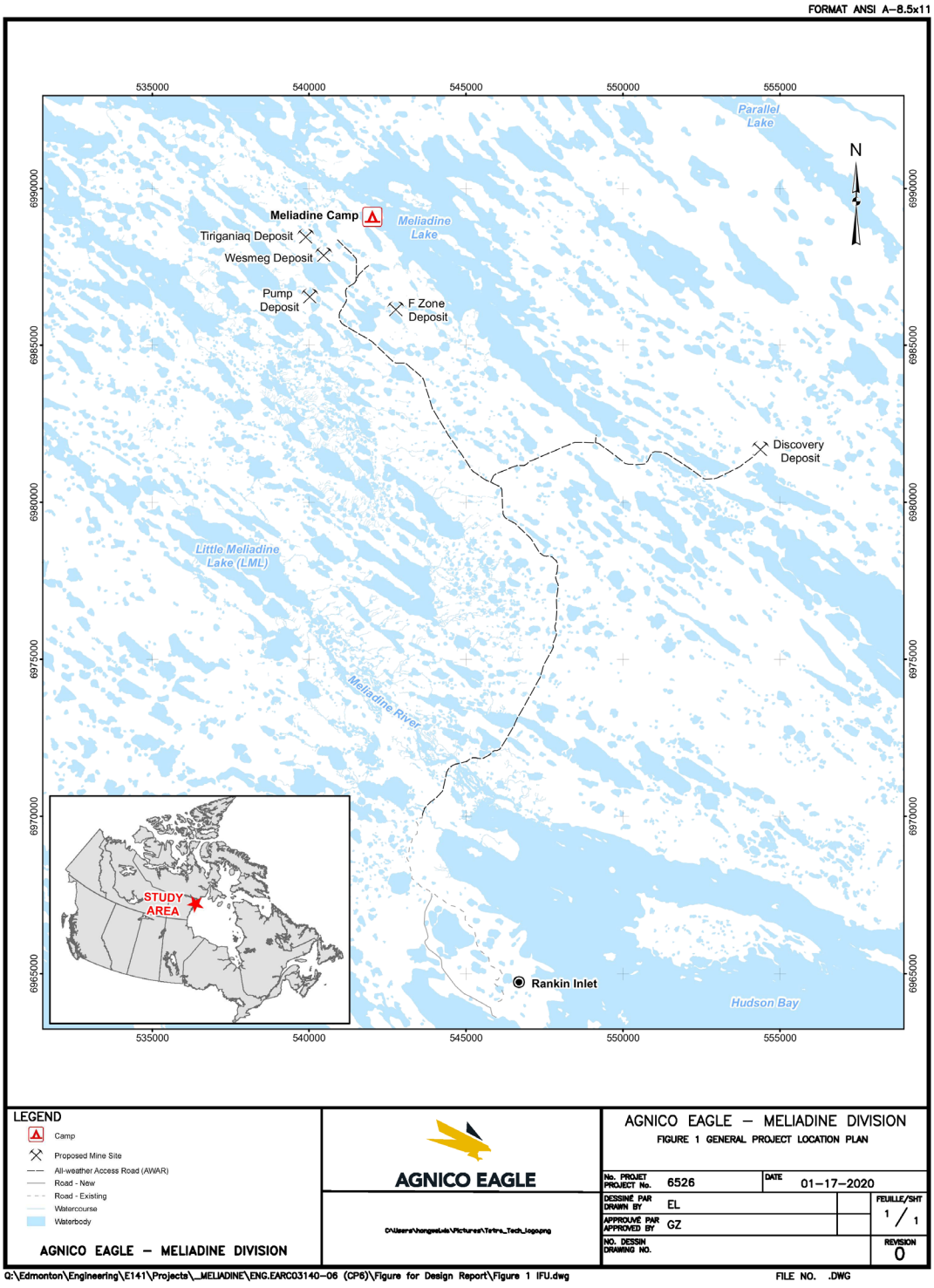


Figure 2: Meliadine Extension Site Layout

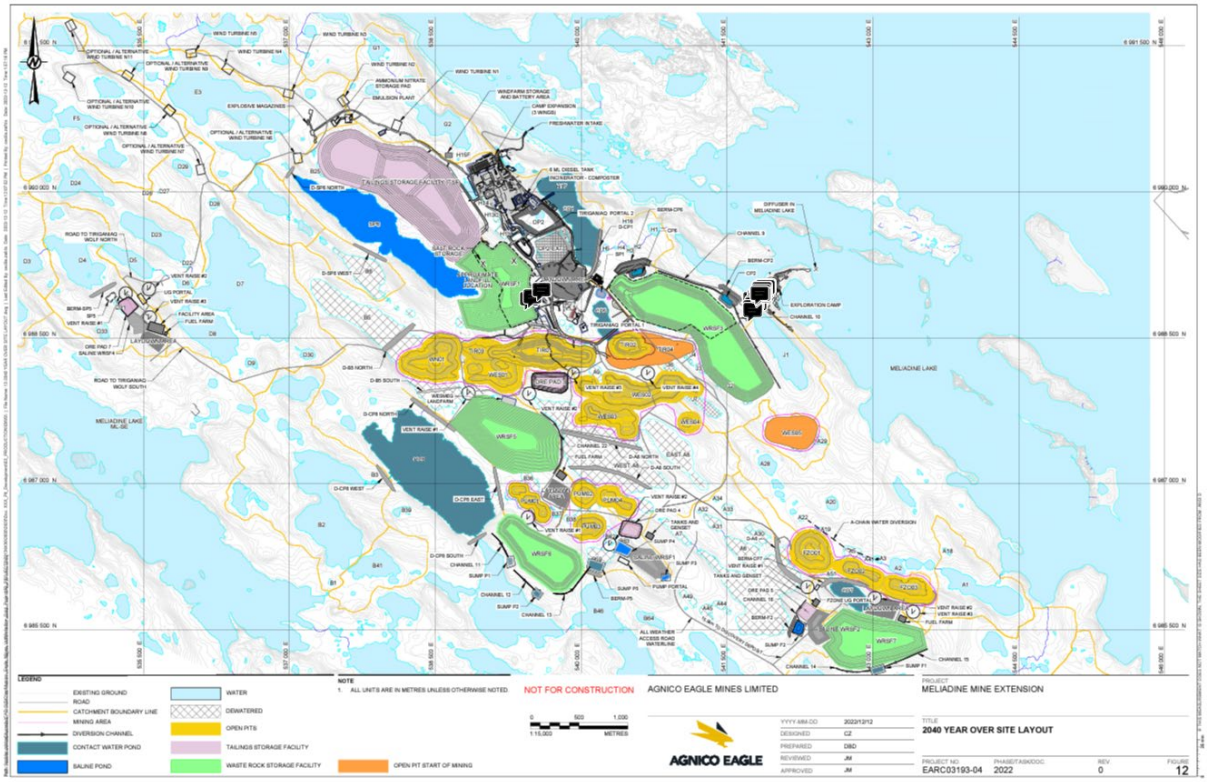


Figure 3: Meliadine Extension Site Layout - Discovery

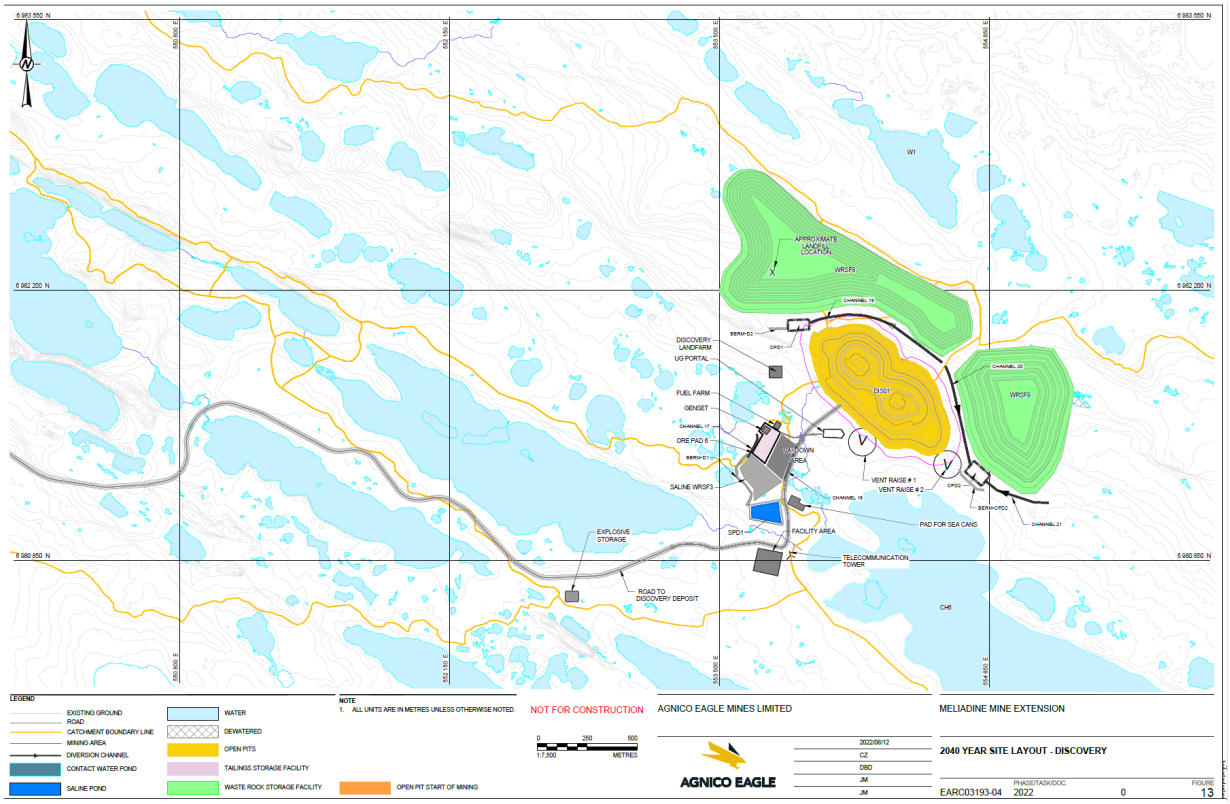


Figure 4: Conceptual Site Surface Contact Water and Saline Contact Water Management Plan of Meliadine Extension during operations

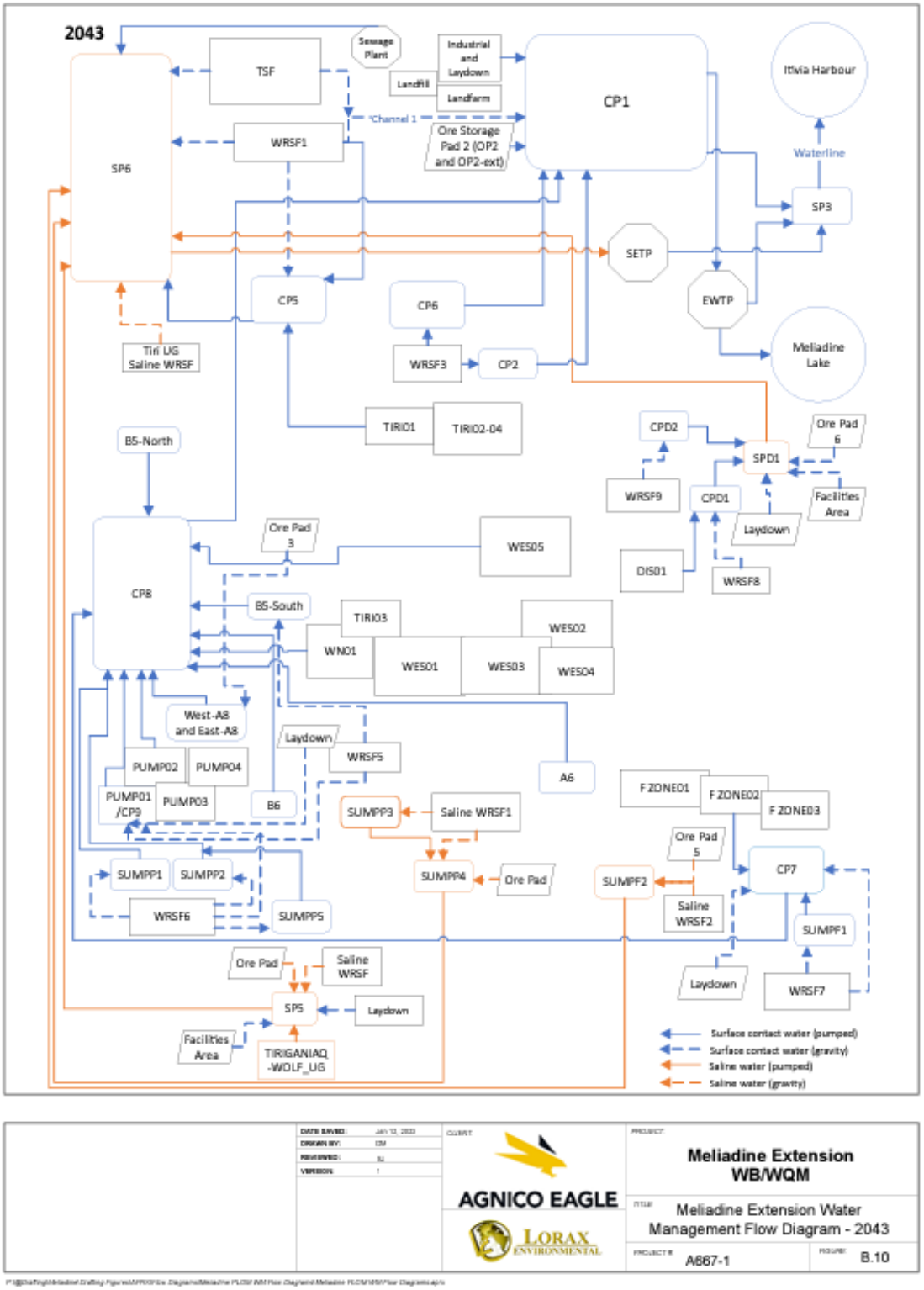


Figure 5: Location of Saline Pond 4 (SP4)

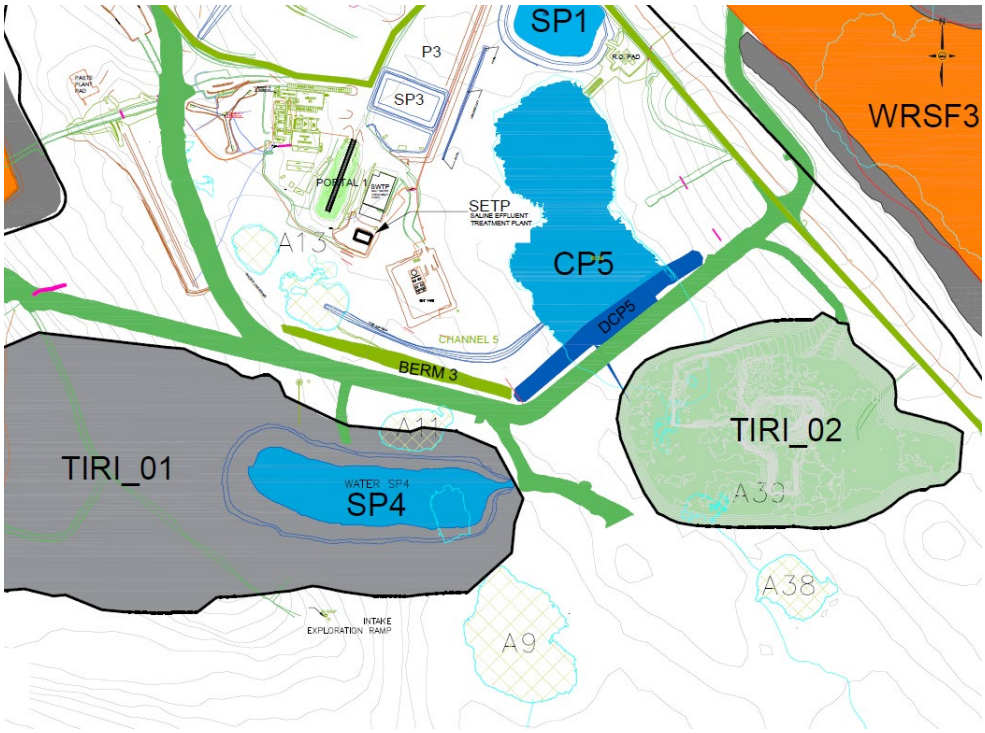


Figure 6: Watersheds and Waterbodies in Proximity of Meliadine Extension

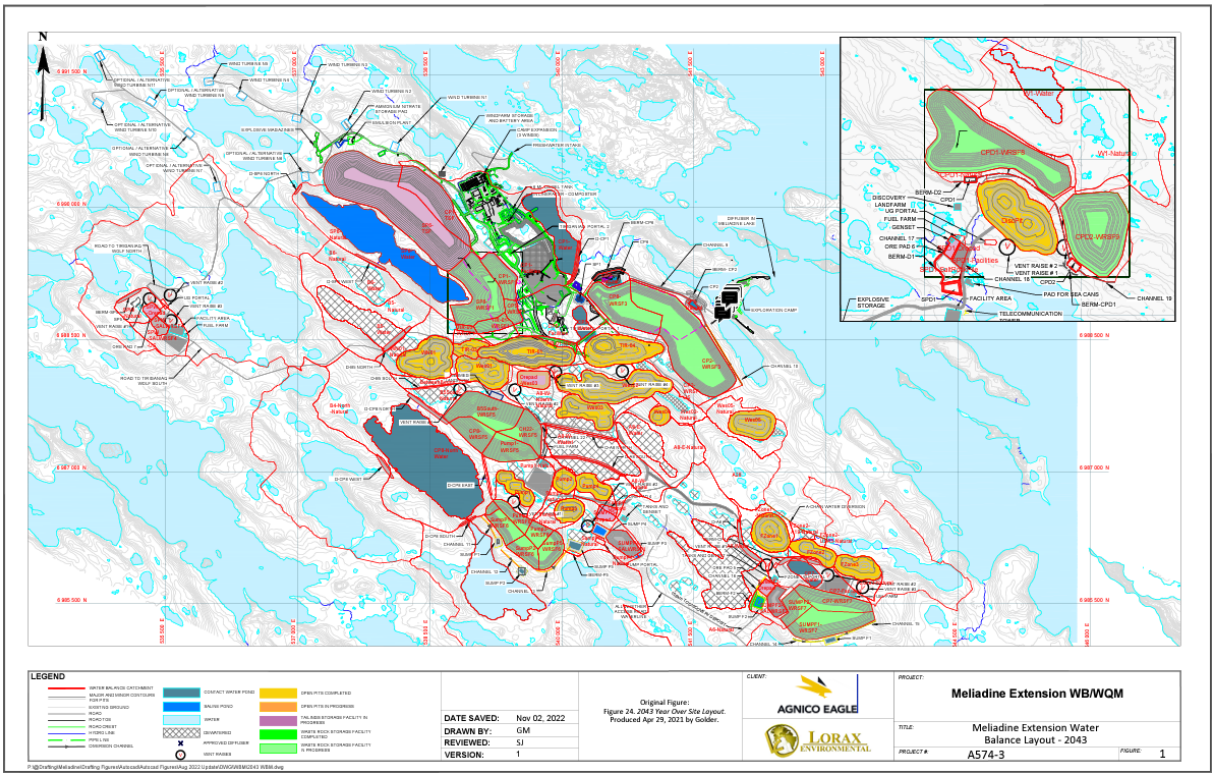


Figure 7: Meliadine Extension – Post-Closure

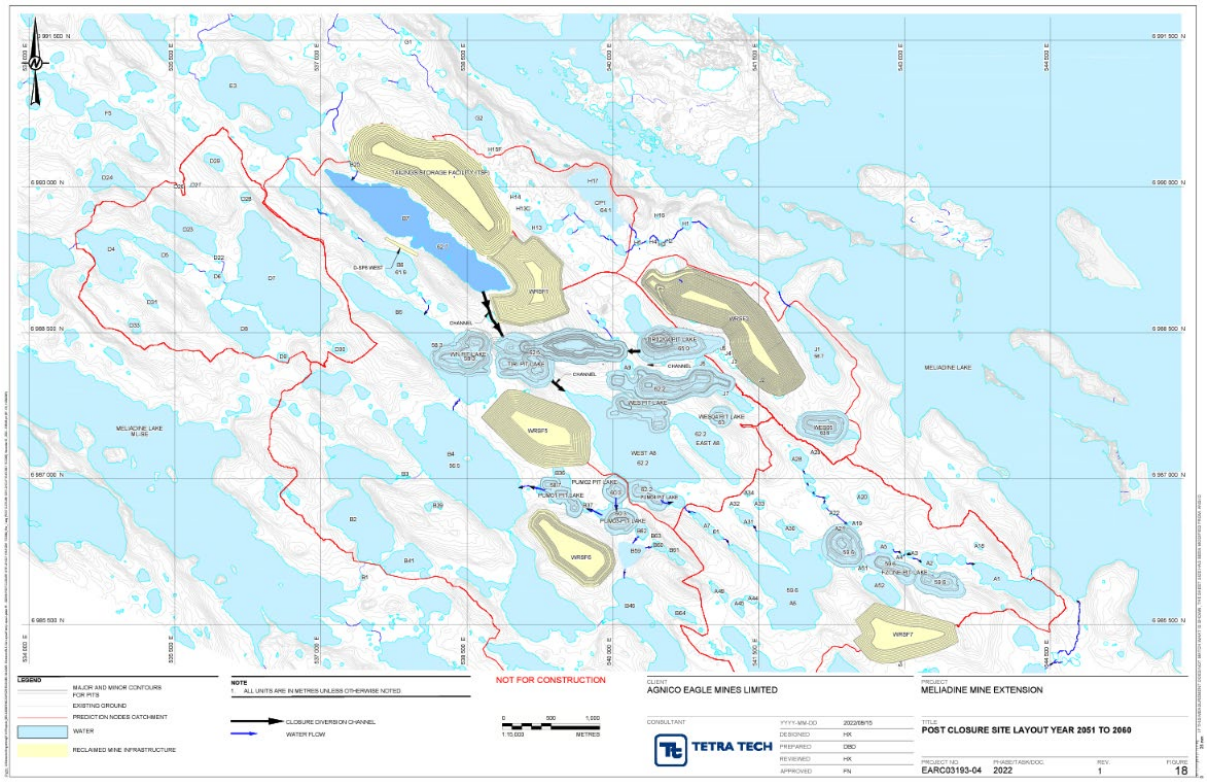
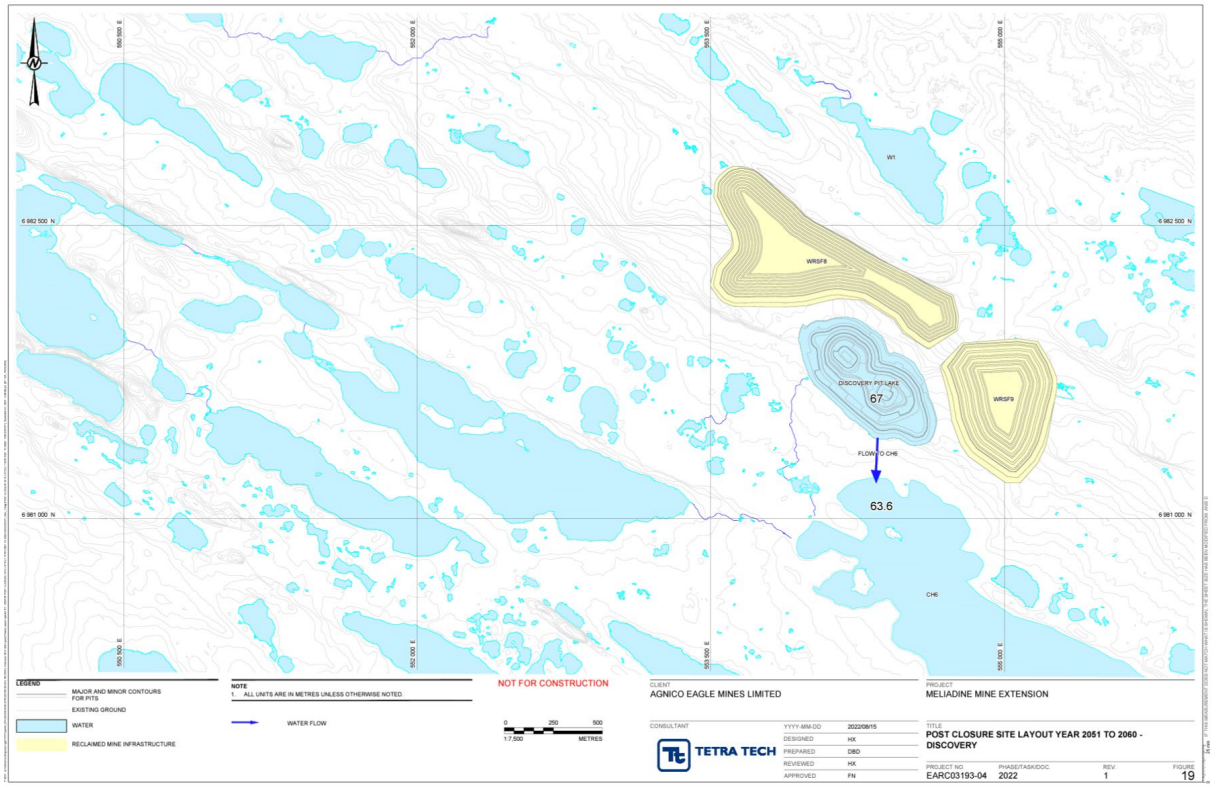


Figure 8: Meliadine Extension - Discovery - Post-Closure



APPENDIX A • MELIADINE GROUNDWATER MANAGEMENT PLAN

AGNICO EAGLE

MELIADINE GOLD MINE

Groundwater Management Plan

JANUARY 2023
VERSION 8_NWB

ᐊᐅᓪᓗᓂᓐᓄᑦ ᓇᐃᓇᖅᓯᓪᓚᑦ

ᓴᓗᑉᑕᑦ (ᔪᓪᓚᐃ) 2022-ᒥᑦ, ᐊᓗᑉᐟᓂᔪᓂᑦ ᑐᓂᓯᓪᓚᐅᑉᐳᖅᑐᑦ ᐊᐸᖏᑎᓪᓗᓴᐅᓂᔪᓐᓄᑦ ᑭᖑᓪᓕᖅᑐᖅ ᐊᐸᖏᑎᐅᑦ ᐊᐅᑐᖅᓯᓂᔪᓐᓇᖅ ᑎᑎᖅᖢᒧᑦ ᐃᓪᓚᓪᐅᑎᓯᒪᔪᑎᐅᑦ ᑕᓯᔪᐊᖏᑦᑕ ᐅᐃᒍᑎᐊᖅᓯᓂᔪᓐᓇᖅ, ᐄᓕᓇᐅᔪᓐᓇᖅ. ᑎᑎᖅᖢᖅ ᑐᓂᓯᓂᔪᓐᓇᖅ ᓄᑖᖓᔪᖅᑎᖅᓯᒪᔪᑎᐅᑦ ᒪᓂᕆᖏᑦ ᐃᒪᖏᑦ ᐊᐅᓪᓚᑎᓂᔪᒧᑦ <ᕐᓇᐅᑎᑕ ᑲᑎᕐᑎᓂᔪᑦᓯᑎᑦ, ᐱᓪᓚᐊᓚᑐᒍ, ᑐᖅᔪᒪᑕᐅᑐᓂ, ᐊᓗᒪᓗ ᑯᐃᑎᑕᐅᑐᓂ ᑕᓚᐅᓪᓚ ᒪᓂᕆᖏᑦ ᐃᒪᖏᑦ, ᑐᓂᓴᐅᓂᐊᖅᑐᖅ ᓄᓇᕗᒻᒥ ᐃᒪᓪᓚᓴᑯᓇᓄᑦ ᐃᓚᒋᔭᐅᑐᓂ ᐃᒪᖓᒧᑦ ᓪᓚᔨᓂᒃᑯᑦ ᑕᓯᔪᐊᖏᑦᑕ ᐅᐃᒍᑎᐊᖅᓯᓂᔪᓐᓇᖅ.

ᑕᑦᓗ ᑎᑎᕆᖅᓯᒪᔪᑦ ᓄᑖᓂᑦ ᑐᐊᓴᑦᓴᓪᓕᑦ ᐃᒥᐅᐸ ᑯᐃᓴᐅᓂᖓᓐᒃ ᒥᐊᓂᖅᓯᔪᑎᖅᓂᓄᑦ ᐸᖓᓇᐅᓕᒥᑦ ᓴᓐᓂᖓᓐᓄᑦ, ᓴᓪᓚᖓᓐᓄᑦᓂᓄᑦ, ᐃᓂᖅᑲᑎᑎᐅᓂᖓᓐᓄᑦ ᐊᐸᖏᑎᐅᑦ ᑐᓂᓴᐅᓂᐊᖅᓯᓂᔪᓐᓇᖅ ᓄᑖᓂᑦ ᐃᒪᖓᒧᑦ ᐊᐸᖏᑎᓪᓗᓴᐅᓂᐊᖅᓯᓂᔪᓐᓇᖅ ᐅᓪᓚᐅᑎᓯᒪᔪᑎᐅᑦ ᐊᐸᖏᑎᐅᑦ ᐃᓚᒋᔭᐅᑐᓂᔪᓐᓇᖅ ᐃᓚᐅᕐᓂᐊᓕᒫᑦ ᐃᓚᖓᓂᒃᑯᑦ ᐃᓚᒋᔭᐅᑐᓂᔪᓐᓇᖅ ᐃᓚᐅᕐᓂᐊᓕᒫᑦ ᐅᐃᒍᑎᐊᖅᓯᓂᔪᓐᓇᖅ ᐃᓚᖓᓂᒃᑯᑦ ᐃᓚᐅᕐᓂᐊᓕᒫᑦ ᐅᐃᒍᑎᐊᖅᓯᓂᔪᓐᓇᖅ ᐃᓚᐅᕐᓂᐊᓕᒫᑦ ᑐᐊᓴᑦᓴᓪᓕᑦ ᐃᓚᖓᓂᒃᑯᑦ.

ᐅᓴᐃᓐᓇᓂᑦ ᐃᓚᖓᓂᒃᑯᑦ ᐅᓴᐃᓐᓇᓂᑦ ᐃᓚᖓᓂᒃᑯᑦ ᐊᐸᖏᑎᐅᑦ ᐃᓚᖓᓂᒃᑯᑦ ᐃᓚᐅᕐᓂᐊᓕᒫ

ᑕᓯᖏ B7, ᑭᕕᒋᓂᐅᖅᑐᖅ ᓯᖃᓕᑎᖅᑕᐅᓂᖃᐅᑦ ᐃᒪᖏᓄᑦ ᐃᒪᐅᓯᕐᕆᐃᖅ (TSF), ᐃᒪᐃᔪᖅᑕᐅᓂᐊᖏᑦ ᐃᒪᐃᔪᖅᑕᐅᕆᖏᓂ 2025, ᑕΐᐅᓕᐅᐸ ᑕᓯᐅᓕᕐᓗᓂᐅ B7 (SP6), ᑕᓯᓕᓗᐊᕆᐃᖅ ᑕΐᐅᓕᓄ (SP) ᑕᓯᕐᓴᐊᐸ ᐃᓕᔪᐅᓂᖏᓂᖅ. ᐅᕕᖏᑦ 2025 ᓯᕗᓪᓕᑦ, ᑕΐᐅᓕᓄ ᐃᒥᖅ ᐃᓂᖅᖃᖅᑐᖅ TIR02 ᓄᑕᐅᓂᐊᖏᑦ ᐅᕕᖏᓗ SP6 ᐅᔪᖃᑕΐᐊᖅᑕᐅᕐᔾᓕᐸᓗJ TIR02 ᐅᔪᖃᑕΐᐊᕐᕆᐅᐸ ᑲᓴᓯᓂᐊᖏᑦ ᐅᑭᐅᖏᓪᓂ 2025/26. ᐃᓕᓴᖅᓂᕐᓕᐃJ, ᓄᓇᐅᐸ ᐊᑕᓂ ᑕΐᐅᓕᓄ ᐃᒥᖅ ᐃᒪᐃᔪᖅᑕᐅᔨᒪᖅᓴᖅ ᑕᓯᕐᓂᓄ ᐊᓪᒪ ᐃᒪᒥᖅᑐᖅᑕᐅᓕᕐᓗᓂ SP6 ᐊᓪᒪ ᐅᕕᖏᓗ SETP.

AGNICO EAGLE

EXECUTIVE SUMMARY

In July 2022, Agnico Eagle submitted to the Nunavut Impact Review Board the Final Environmental Impact Statement Addendum of the Meliadine Extension, which is currently under review. This document presents an updated version of the Groundwater Management Plan for the collection, treatment, storage, and discharge of saline groundwater, being submitted to the Nunavut Water Board (NWB) as part of the Water Licence Amendment of the Meliadine Extension.

Agnico Eagle Mines Limited (Agnico Eagle) is operating the Meliadine Gold Mine (Mine), located approximately 25 kilometres (km) north of Rankin Inlet, and 80 km southwest of Chesterfield Inlet in the Kivalliq Region of Nunavut.

Since its approval in 2015 by the Nunavut Impact Review Board (NIRB), and to extend the life of the mine, Agnico Eagle has continued to extend its knowledge and validation of the gold deposits around the Meliadine Mine by way of additional exploration. As a result, an improved project, collectively referred to as Meliadine Extension, is being proposed. Meliadine Extension will extend the life of the mine from 2032 to 2043 and will add underground mining activities at the already approved Wesmeg, Pump, F Zone, and Discovery deposits. The Meliadine Mine is subject to the terms and conditions of both the amended Project Certificate 006 issued by the Nunavut Impact Review Board (NIRB) in accordance with the Nunavut Land Claims Agreement Article 12.5.12 on February 26, 2019 (NIRB, 2019) and Amended Water Licence No. 2AM-MEL1631 (the Licence), issued by the NWB on May 13, 2021 (NWB 2021).

Meliadine Extension proposes to include underground mining and associated saline water management infrastructures at the Pump, F Zone, and Discovery deposits, and development of a new portal and associated infrastructures in the Tiriganiaq-Wolf mining area. Saline water from the Meliadine Extension underground mines will be collected in underground sumps, transported to a clarification system, and subsequently recirculated for use in various underground operations such as make-up water for underground drilling. The remaining underground saline contact water will be pumped to surface to be managed and stored in TIR02 open pit until 2025 for treatment by the Saline Effluent Treatment Plant in the Water Treatment Complex (SETP-WTC) for discharge to sea. Meliadine Extension includes the used of the Approved Waterline for conveyance of saline water to Itivia Harbour. The waterline will deliver effluent to Itivia Harbour via a diffuser, beginning in 2025.

Lake B7, located west of the Tailings Storage Facility (TSF), will be dewatered during freshet of 2025, becoming Saline Pond B7 (SP6), the main Saline Pond (SP) of Meliadine Extension. From 2025 onwards, the saline contact water stored in TIR02 will be transferred to SP6 to allow mining of TIR02 pit to resume during the winter of 2025/26. In addition, underground saline water will be pumped from local saline ponds and sumps to SP6 and then to the SETP-WTC.

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DOCUMENT CONTROL

Version	Date	Section	Page	Revision	Author
1	February 2018	All		In compliance with Agnico Eagle's Type A Water Licence 2AM-MEL1631, Part E, Item 14	Golder Associates Ltd. on behalf of Agnico Eagle Mines Limited
2	June 2018	4		In compliance with ECCC comments from 16 March 2018	Golder Associates Ltd. on behalf of Agnico Eagle Mines Limited
3.	December 2018	All		In compliance with Agnico Eagle's Type A Water Licence 2AM-MEL1631, Part E, Item 11	Agnico Eagle Mines Ltd.
		Exec Summary		Updated dates and quantities	
		2.4		Revised mine development plan bullets	
		3.3		Updated saline GW quality	
		3.4		Updated groundwater management strategies	
		4.1		Updated GW monitoring program quantity and quality data	
		4.4		Expanded table 5 monitoring to include SWTP	
4.	March 2019	All		In compliance with Agnico Eagle's amended No. 006 Project Certificate, Condition No. 25	Agnico Eagle Mines Ltd.
		Exec Summary		Updated to include discharge to sea approval	
		1	1-2	Update to include requirements of No. 006 Project Certificate Condition No. 25	
		2.4	5	Addition of SWTP and discharge to sea	
		3.1	6-7	Section revision	
		3.1.1	7-8	Addition of inflow model assumptions/uncertainties	
		3.2	8-9	Updated with discharge to sea	
		3.3	9-10	Interpretation added and table Aug-18 results corrected	
		3.4	11-15	Addition of discharge to sea and update of SWTP performance	
		3.6	16-18	Addition of mitigation measures under greater than expected inflows	
		4.2	19	Addition of second pumping line from UG	

Version	Date	Section	Page	Revision	Author
		4.3	21-23	Addition of discharge to sea related sampling/monitoring	
5.	March 2020	All		In compliance with Agnico Eagle's amended No. 006 Project Certificate, Condition No. 25	Agnico Eagle Mines Ltd.
		Exec Summary		General update to reflect updated Plan	
		2.4	15	Update high level mine plan, schedule, addition of SETP and RO	
		3.1	16-17	General section update, and updated groundwater inflow rates included	
		3.2	18-19	Updated saline water control structures	
		3.3	19-20	General section update/revision; moved water quality table to Appendix C	
		3.4	20-24	Section update to reflect changes to saline water management strategy	
		3.5	24	Section revision/update to include SP4, timeline details	
		3.6	-	Former Section 3.6 was updated and moved into other sections	
		4.1	25-27	General section revision/update, QAQC portion moved to Water Quality and Flow Monitoring Plan and can be found in QAQC plan	
6.	January 2021	All		In compliance with Commitment #5 from Technical Meeting held on November 30, 2020 for Amendment Application to the Water Licence No: 2AM-MEL1631	Agnico Eagle Mines Ltd.
		Exec Summary		General update to reflect updated Plan	
		3.1	17-21	Updated with further details, and relocated data reporting to the 2020	
		3.2	21-22	Annual Report	
		3.3	23-31	Section update focussed on saline water control structures and pond storage capacities	
		3.5	32	Section update to reflect current saline water management strategy and to include grouting strategy and effectiveness, and viability discussion management strategies. Addresses Commitment 5 and 6 from the Type A Water Licence Amendment	
		4.1	34	Section revision/update to reflect current schedule	
		Appx B	-	Removed SWTP water quality monitoring	
		Appx C	-	Simplified Underground Water Management Flow Sheet Diagram	

Version	Date	Section	Page	Revision	Author
		Appx C	-	Removed groundwater quality data reporting appendix. This information will be provided in the 2020 Annual Report. Added Grouting and Groundwater Storage information as per 2AM-MEL1631 Technical Meeting Commitment 6	
7	August 2021	All		Updated as per Part B, Item 13 of the Amended Water Licence	Agnico Eagle Mines Ltd.
		2.4	16	Updated Mine Development Plan	
		3.2	20	Updated section to reflect P-Area decommissioning	
		3.3	20	Moved viability discussion on the management strategies to subsection 3.3.4, included Tiriganiaq Pit 2 as current storage	
		3.3.2.4	23	Updated section to include the definition of significant variations in inflow rates which would indicate the need to recalibrate the model	
		4.1.2	29	Updated section and Table 6 to include flowmeter driven inflow calculation, underground to surface pipe sampling point, Tiriganiaq Pit 2	
		Appendix C	-	Removed Appendix C (Grouting effectiveness)	
8_NIRB	February 2022	All		Submitted to NIRB as part of the Meliadine Extension Final Environmental Impact Statement	Agnico Eagle Mines Limited
8_NWB	December 2022	A yellow arrow in the right-hand margin indicates where updates have been made		Submitted to NWB as part of the Meliadine Extension Water Licence Amendment	Agnico Eagle Mines Limited

ACRONYMS

Agnico Eagle	Agnico Eagle Mines Limited
CP	Collection Pond
DDH	Diamond Drillhole(s)
EMPP	Environment Management and Protection Plan
EPZ	Enhanced Permeability Zone
EWTP	Effluent Water Treatment Plant
FEIS	Final Environmental Impact Statement
Licence	Type A Water Licence 2AM-MEL1631
GWMP	Groundwater Management Plan
MDMER	Metal and Diamond Mining Effluent Regulations
NIRB	Nunavut Impact Review Board
NPC	Nunavut Planning Commission
NWB	Nunavut Water Board
Mine	Meliadine Gold Mine
QA	Quality Assurance
QC	Quality Control
RO	Reverse Osmosis
SD	Support Document
SETP	Saline Effluent Treatment Plant
SP	Saline Pond
SSWQO	Site Specific Water Quality Objectives
SWTP	Saltwater Treatment Plant
TDS	Total Dissolved Solids
TSS	Total Suspended Solids
WMP	Water Management Plan
WRSF	Waste Rock Storage Facility

UNITS

%	percent
°C	degrees Celsius
°C/m	degrees Celsius per metre
ha	hectare(s)
mg/L	milligram(s) per litre
km	kilometer(s)
km^2	kilo square meter(s)
m	metre(s)
m/day	metre(s) per day
mm	millimetre(s)
m^3	cubic metre(s)
m^3/day	cubic metre(s) per day
m^3/s	cubic metre(s) per second
m^3/hour	cubic metre(s) per hour
m^3/year	cubic metre(s) per year
Mm^3/year	million cubic metre(s) per year
Mm^3	million cubic metre(s)
t	tonne(s)
tpd	tonne(s) per day
Mt	million tonne(s)

SECTION 1. INTRODUCTION

Agnico Eagle Mines Limited (Agnico Eagle) is operating the Meliadine Gold Mine (Mine), located approximately 25 kilometres (km) north of Rankin Inlet, and 80 km southwest of Chesterfield Inlet in the Kivalliq Region of Nunavut.

Since its approval in 2015 by the Nunavut Impact Review Board (NIRB), and to extend the life of the mine, Agnico Eagle has continued to extend its knowledge and validation of the gold deposits around the Meliadine Mine by way of additional exploration. As a result, an improved project, collectively referred to as Meliadine Extension, is being proposed. Meliadine Extension will extend the life of the mine from 2032 to 2043 and will add underground mining activities at the already approved Wesmeg, Pump, F Zone, and Discovery deposits. The Meliadine Mine is subject to the terms and conditions of both the amended Project Certificate 006 issued by the Nunavut Impact Review Board (NIRB) in accordance with the Nunavut Agreement Article 12.5.12 on February 26, 2019 (NIRB 2019) and March 2, 2022 and Amended Water Licence No. 2AM-MEL1631 (the Licence), issued by the Nunavut Water Board (NWB) on May 13, 2021 (NWB 2021).

In July 2022, Agnico Eagle submitted to the NIRB the Final Environmental Impact Statement (FEIS) Addendum of the Meliadine Extension, which is currently under review. This document presents an updated version of the Groundwater Management Plan (GWMP) for the collection, treatment, storage and discharge of saline groundwater, being submitted to NWB as part of the Water Licence Amendment of the Meliadine Extension. The overall water management plan for the life of the Mine and post-closure is described in the Agnico Eagle Meliadine Gold Mine Water Management Plan (WMP; Agnico Eagle 2022).

1.1 Objectives

The objective of the GWMP is to provide consolidated information on groundwater management for the Meliadine Gold Mine. The GWMP is divided into the following components:

- Introductory section (Section 1);
- Description of groundwater inflow forecasts and management strategies (Section 2); and
- Description of the groundwater monitoring program (Section 3).

The GWMP will be updated as required to reflect any changes in operations or economic feasibility that occurs, and to incorporate new information and latest technology, where appropriate.

1.2 Background

The Meliadine site conditions, local hydrology and hydrogeology, as well as the mine development plan are presented in the Environmental Management Protection Plan.

SECTION 2. GROUNDWATER MANAGEMENT

2.1 Predicted Groundwater Volumes

Planning and mitigations for management of groundwater relies upon predictions of groundwater that may report to the underground workings and then require further storage and management on surface. This section provides a summary of modelling work that has been completed to predict groundwater volumes.

In 2020, an environmental and socio-economic assessment was completed for a proposed increase of the discharge of treated groundwater effluent from the underground mine of the Tiriganiaq deposit into the marine environment near Rankin Inlet, by routing the treated groundwater effluent through waterlines. As a requirement of the Project Certificate No.006 T&C 25, Agnico Eagle provided a saline water management plan to address the potential for higher-than-predicted volumes of saline water inflows into the underground mine. The Groundwater Management Plan (Version 5) was issued on April 2020 using the 2019 groundwater inflow predictions and submitted under the 2020 FEIS Addendum for the "Saline Effluent Discharge to Marine Environment" project. The addendum was approved on January 31, 2022. Versions 6 and 7 of the Groundwater Management Plan were then submitted in compliance with Commitment #5 from the Technical Meeting held on November 30, 2020 for the Amendment Application to the Water Licence No: 2AM-MEL1631, and as per Part B, Item 13 of the Amended Water Licence, respectively. Nonetheless, the 2019 groundwater predicted inflows were still presented in these two versions.

Since 2019, additional data has been collected in support of the environmental review to document existing conditions and to provide the foundation for a qualitative and quantitative assessment of the operations and mine development of the Meliadine Extension. This additional data, documented in the Summary of Hydrogeology Existing Conditions Report (Golder 2021a), was used to update the numerical groundwater model in support of the 2022 FEIS Addendum for Meliadine Extension. The updated model, presented in the Hydrogeology Modelling Report (Golder 2021b), incorporates the new underground developments proposed as part of the Meliadine Extension and an updated conceptual model.

In 2021, supplemental hydrogeological data has been collected to enhance the understanding of hydrogeological conditions. This additional data, documented in the Updated Summary of Hydrogeology Existing Conditions Report (Golder 2022b), was used to update once again the numerical groundwater model in support of the 2022 Water Licence Amendment for Meliadine Extension. The updated model is presented in the Updated Hydrogeology Modelling Report (Golder 2022c).

A summary of the predicted groundwater inflow to the underground developments during operations is presented in Table 2.1-1. Groundwater inflow to the Tiriganiaq Underground were predicted to increase from 375 m^3/day in 2022 to a peak inflow of 1,500 m^3/day in 2027. Inflows then decrease as

aquifer storage effects diminish from 2027 to 2037, where the predicted inflow to the underground is 1,100 m^3/day. The lateral expansion of the underground includes a drift to the north of the underground development, which causes the increase in the predicted inflows in 2025. Groundwater inflows to the other underground developments are lower than Tiriganiaq, reflecting the shallower planned mine depth, greater proportion of the development in permafrost, and overall smaller footprint of these developments. Peak inflows at the other developments range from 25 m^3/day at Wesmeg-North, up to 200 m^3/day at Tiriganiaq-Wolf and Discovery. Flows to Wesmeg, Wesmeg-North and Pump are mitigated by dewatering of Lakes B5 and A8 West. In the absence of this dewatering, higher inflows to the underground would be expected as the mine development extends below these lakes. Inflow to Wesmeg and Wesmeg-North are also affected by depressurization from the adjacent mining at Tiriganiaq, which acts as a stronger hydraulic sink given its greater depth of mining (maximum base elevation of -845 masl versus -590 at Wesmeg and -395 at Wesmeg-North) (Golder 2022c).

The predictions presented in Table 2.1-1 represent the best estimate of groundwater inflow and groundwater TDS based on the measured data and the results of the model calibration. Since the groundwater inflows are being mitigated by active grouting, the predicted groundwater inflows incorporate the effects of grouting as grouting of the underground development is assumed to continue as part of future inflow predictions.

Table 2.1-1: Predicted Base Case Scenario Groundwater Inflows – Groundwater Inflow, TDS Quality and Fresh Lake Water Contributions

Base Case Predictions																					
Year	Predicted Groundwater Inflow (m^3/day)							Predicted TDS in Groundwater Inflow (mg/L)							Lake Water Contribution (%)						
	Tiriganiaq Deposit				F Zone	Pump	Discovery	Tiriganiaq Deposit				F Zone	Pump	Discovery	Tiriganiaq Deposit				F Zone	Pump	Discovery
	Tiriganiaq	Wesmeg	Wesmeg-North	Tiriganiaq-Wolf				Tiriganiaq	Wesmeg	Wesmeg-North	Tiriganiaq-Wolf				Tiriganiaq	Wesmeg	Wesmeg-North	Tiriganiaq-Wolf			
2022	375	<25	-	-	-	-	-	58,500	59,000	-	-	-	-	-	<1	<1	-	-	-	-	-
2023	500	50	25	-	-	-	-	58,000	58,500	49,000	-	-	-	-	<1	<1	<1	-	-	-	-
2024	600	75	25	-	-	-	-	57,500	59,000	34,500	-	-	-	-	<1	<1	8	-	-	-	-
2025	900	50	25	-	-	-	-	53,500	59,000	27,000	-	-	-	-	<1	<1	18	-	-	-	-
2026	1,350	75	25	-	-	-	50	50,500	58,500	26,500	-	-	-	57,000	<1	<1	19	-	-	-	<1
2027	1,500	100	25	-	-	-	100	50,500	57,000	24,000	-	-	-	58,000	<1	<1	23	-	-	-	<1
2028	1,325	125	<25	-	-	-	200	52,500	57,500	24,000	-	-	-	57,500	<1	<1	24	-	-	-	<1
2029	1,250	100	<25	-	-	<25	200	54,000	57,500	24,500	-	-	58,000	58,000	<1	<1	24	-	-	<1	<1
2030	1,225	100	<25	-	-	100	200	55,000	56,500	24,500	-	-	56,500	58,500	<1	1	24	-	-	<1	<1
2031	1,200	150	<25	-	-	125	-	56,500	50,000	25,000	-	-	56,000	-	<1	2	25	-	-	<1	-
2032	1,200	125	<25	-	-	125	-	57,000	50,000	29,000	-	-	55,000	-	<1	2	21	-	-	<1	-
2033	1,175	125	<25	-	-	150	-	58,000	50,000	29,500	-	-	52,500	-	<1	2	21	-	-	1	-
2034	1,150	125	<25	<25	50	150	-	59,000	49,500	29,500	59,000	56,000	51,500	-	<1	2	21	<1	4	3	-
2035	1,125	125	<25	50	125	150	-	59,500	49,000	30,000	48,000	58,000	51,500	-	<1	2	21	<1	1	2	-
2036	1,100	125	<25	125	125	-	-	60,500	47,500	30,000	47,000	58,500	-	-	<1	2	21	4	<1	-	-
2037	1,100	125	<25	150	125	-	-	60,500	46,000	29,500	44,500	58,000	-	-	<1	2	21	11	<1	-	-
2038	-	-	-	150	150	-	-	-	-	-	44,000	59,000	-	-	-	-	-	17	<1	-	-
2039	-	-	-	175	150	-	-	-	-	-	45,500	59,000	-	-	-	-	-	18	<1	-	-
2040	-	-	-	175	-	-	-	-	-	-	43,500	-	-	-	-	-	-	22	-	-	-
2041	-	-	-	200	-	-	-	-	-	-	43,000	-	-	-	-	-	-	23	-	-	-
2042	-	-	-	200	-	-	-	-	-	-	41,000	-	-	-	-	-	-	26	-	-	-
2043	-	-	-	200	-	-	-	-	-	-	39,500	-	-	-	-	-	-	28	-	-	-

Source: Table 8 from (Golder 2022c)

2.1.1 Groundwater Inflow Predictions – Assumptions and Uncertainties

The shallow bedrock at the site is primarily within the frozen permafrost except in areas of taliks underlying lakes. The deeper competent bedrock has been subdivided into two separate units: Mafic Volcanic Rock formations and Sedimentary Rock formations. The Mafic Volcanic Rock formations are present between the Lower Fault and Pyke Fault and are inferred to transition to Sedimentary Rock formations to the east. Sedimentary Rock formations are present to the North of the Lower Fault, and South of Pyke Fault. Synthesis of the hydraulic testing results up to the end of 2021, indicates that the Mafic Volcanic Rocks have lower hydraulic conductivity Rocks at depth. The supplemental data, however, show that the shallow and intermediate bedrock zones may be more permeable than the deeper bedrock (Golder 2021c).

In crystalline rocks, fault zones may act as groundwater flow conduits, barriers, or a combination of the two in different regions of the fault depending on the direction of groundwater flow and the fault zone architecture (Gleeson and Novakowski 2009). Within the mine area, three regional faults (North, Lower and Pyke) are present. In addition, ongoing monitoring of geological structures has led to the identification of 17 faults (i.e., KMS corridor, RM-175) that have been incorporated into the conceptual hydostratigraphy near the underground developments. Each of these faults have been assumed to have enhanced permeability relative to the surrounding competent bedrock. The additional structures are generally located between the Lower Fault and Pyke Fault within the Mafic Volcanic Rock formations and range in thickness from 2 to 6 m. An exception is the KMS Fault corridor, located in the sedimentary rock formations to the north of the Lower Fault at the Tiriganiaq Underground. This corridor is a wider zone of rock located between the KMS Fault and Lower Fault that is associated with poor rock quality (Golder 2022c).

The hydraulic conductivity of the competent bedrock and faults is assumed to be linearly reduced by an order of magnitude between the top of the cryopeg and base of permafrost (zero-degree isotherm). This assumption reflects that this portion of the permafrost, which will contain partially unfrozen groundwater due to freezing point depression, is expected to have reduced hydraulic conductivity relative to the unfrozen bedrock reflecting the presence of isolated pockets of frozen groundwater within this zone. These frozen zones will result in a decrease in the hydraulic conductivity of the rock compared to that of the entirely unfrozen rock (Golder 2022c).

In support of the Meliadine Extension, 2D thermal modelling was completed to update the predicted depth to the base of permafrost in the study area, to assess the extent of lake taliks and to determine whether the proposed open pits and additional underground developments will remain within the permafrost limits (Golder 2022a). This approach was adopted given the number of proposed undergrounds and proximity of these undergrounds to lakes with potential open taliks. Results of the thermal modelling indicated:

- Open taliks were interpreted to be present beneath portions of each of the following lakes near the proposed open pits and undergrounds: Lake B4, Lake B5, Lake B7, Lake A6, Lake A8, and Lake CH6.
- Closed talik was interpreted below Lake D4 based on the 0-degree isotherm, however the lake is interpreted to potentially be connected to the regional groundwater flow system through the cryopeg zone.
- The depth of the base of permafrost was interpreted to be between 320 and 490 m depth, with the interpreted depth dependent on the proximity to nearby lakes. Shallower depths are from locations near to lakes both with and without open taliks.

It was conservatively assumed that the surface water/groundwater interaction at all lakes is not impeded by lower-permeability lakebed sediments that may exist on the bottom of some of these lakes (Golder 2022c).

Combined, the assumptions discussed above result in the following sources of uncertainty in the groundwater inflow model:

1. The properties of the faults assumed in the model are considered to be conservative based on supplemental testing in 2021 and their lateral extents and depths. The faults were also assumed to have enhanced permeability up to 2.5 kms away from the underground developments, and the width of the Lower Fault was increased to between 15 to 20 m to account for potential additional low RQD corridors along its length. These assumptions are considered conservative since the permeability and width of a fault zone can be heterogeneous along strike (Gleeson and Novakowski 2009) resulting potentially in zones of greater hydraulic conductivity along strike over short distances; whereas over longer distances the presence of zones infilled with fault gouge will act to decrease hydraulic connectivity along strike(Golder 2022c).
2. An increase in bedrock hydraulic conductivity by a factor of 2 can result in an increase of total saline groundwater inflow by approximately 54%. Overall, groundwater inflow for Tiriganiaq is the largest contributor of saline groundwater inflow to the Meliadine Extension, and uncertainty in these inflows will have the largest effect on water management planning (Golder 2022c).

2.2 Groundwater Management Control Structures

The approved Meliadine Mine consist of the development of the Tiriganiaq gold deposit, with two open pits (TIR01 and TIR02) and one underground mine. As described in the WMP, Meliadine Extension proposes to include underground mining and associated saline water management infrastructures at the Pump, F Zone, and Discovery deposits, and development of a new portal and associated infrastructures in the Tiriganiaq-Wolf mining area.

The underground mines of Meliadine underground workings will be operated below the base of continuous permafrost. The underground excavations act as a sink for groundwater flow during mining, with water induced to flow through the bedrock to the Underground Mine workings below the base of the permafrost and within the cryopeg.

The underground water management system is designed to prevent water from affecting the workings or production. The system contains a series of sumps (generally one at the access of each level) designed to capture groundwater inflows and runoff from mining operations (i.e., drilling), a clarification system, and a pumping system to redistribute the clarified saline contact water.

Consistent with the Approved Meliadine Mine GWMP, saline water from the Meliadine Extension underground mines will be collected in underground sumps, transported to a clarification system, and subsequently recirculated for use in various underground operations such as make-up water for underground drilling. The remaining underground saline contact water will be pumped to surface to be managed and stored in TIR02 open pit until 2025 for treatment by the Saline Effluent Treatment Plant in the Water Treatment Complex (SETP-WTC) for discharge to sea.

Lake B7, located west of the Tailings Storage Facility (TSF), will be dewatered during freshet of 2025, becoming Saline Pond 6 (SP6), the main Saline Pond (SP) of Meliadine Extension. From 2025 onwards, the saline water stored in TIR02 will be transferred to SP6 to allow mining of TIR02 pit to resume during the winter of 2025/26. In addition, underground saline water will be pumped from local saline ponds and sumps to SP6 and then to the SETP-WTC, where it will be treated for Total Suspended Solids (TSS) and ammonia (NH3) prior to discharge to Itivia Harbour.

From 2025 onwards, saline water originating from the underground mines will be managed in local SPs and sumps to temporarily store water from underground mining. Excess saline contact water from Discovery and Tiriganiaq-Wolf underground mining will be pumped to surface and collected into Saline Pond at Discovery (SPD1) and Saline Pond at Tiriganiaq-Wolf (SP5). The runoff from the ore pads and saline WRSFs at Discovery and Tiriganiaq-Wolf will also be collected into SPD1 and SP5, respectively. Water from SPD1 and SP5 will then be pumped back to SP6.

Saline contact water generated by the ore pads and saline WRSFs near Pump and F Zone deposits will drain by gravity into Sumps P3 and P4 (Pump), and Sump F2 (F Zone) and will then be pumped to SP6.

Temporarily inactive underground developments (similar to the water stope) will continue to be used for additional storage of excess groundwater inflows as required and as feasible.

Currently, treated effluent from the Saline Effluent Treatment Plant (SETP) is discharged into Saline Pond SP3 (SP3). From SP3, the saline water is pumped into trucks which transport the water to Itivia Harbour, Rankin Inlet. Meliadine Extension includes the used of the Approved Waterline for conveyance of saline water to Itivia Harbour. The waterline will deliver effluent to Itivia Harbour via a diffuser, beginning in 2025.

A schematic of the underground dewatering system is provided in Appendix A. Pond capacities for storage of saline water and year of available storage are presented in Table 2.2-1.

Table 2.2-1: SP and Sumps Storage Capacity at the Mine

SP/Sump	Maximum Water Capacity (m^3)	Storage Available (year)
TIR02	1,616,554	Up to 2025
SP6	1,092,748	2025 and onwards
SPD1	60,000	2025 and onwards
SUMP P3	3,000	2027 and onwards
SUMP P4	50,000	2027 and onwards
SP5	90,000	2032 and onwards
SUMP F2	40,000	2033 and onwards

Source: Lorax (2023)

2.3 Groundwater Management Strategies and Mitigations

Based on the modelled groundwater inflow volume, the following strategies and mitigation options were considered and form part of the short-, medium- and long-term management of groundwater inflows to the Underground Mine:

- Short-term Strategy: Store saline contact water on site (in TIR02) and treat it for discharge to receiving environment in Itivia Harbour via trucking (up to 2024) and waterline (2025 and onwards) (Section 2.3.1).
- Medium-term Strategy: Store saline contact water on site in SP6 and treat it for discharge to receiving environment in Itivia Harbour via waterline (2025 and onwards) (Section 2.3.2).
- Long-term Strategy: Implementation of the Adaptive Management Plan (Section 2.3.3).

Discussion regarding thresholds for adaptive management and expected timeline to reach thresholds are presented in the AMP.

2.3.1 Short-Term Management Strategy

The objective of the short-term strategy is to continue storing saline water on site, as per the Approved Mine GWMP, with continued discharge by truck to Itivia Harbour (as required and following treatment through the SETP) until the approved Waterline (Agnico Eagle received Ministerial approval on January 31, 2022) is operational. From 2025onwards, the waterline will be used to deliver effluent to Itivia Harbour via a diffuser.

The effluent treatment and discharge rates are as follows:

- 2020 - 2024 (July 15 – Sept 30) – discharge by truck to Itivia Harbour diffuser at a rate of up to 1,600 m^3/day
- From 2025– onwards (approx. mid-June – mid-Sept) – discharge by Waterline to Itivia Harbour at a rate of up to 20,000 m^3/day

2.3.2 Medium-Term Management Strategy

The objective of the medium-term strategy is to remove the need for permanent storage of water on site as a management strategy by providing discharge capacity to empty the saline ponds, including SP6 each year. Storage under the medium-term strategy would only be required on a temporary basis to store winter accumulation of groundwater inflows to the Underground Mine.

As discussed in Section 2.2, additional saline ponds will be added as part of Meliadine Extension, and the same operating conditions will be adopted. SP6 will be the primary pond to feed the waterline (following treatment through the SETP) and other saline ponds and sumps that contain saline water will report to SP6.

2.3.3 Long-Term Management Strategy

Based on the current inventory of saline water ponds and sumps on site (Table 2.2-1), plus current and forecasted groundwater inflows (Section 2.1), the proposed long-term strategy of implementing the Adaptive Management Plan (AMP) will be required to ensure all obligations are met and to create a robust and flexible groundwater management system. Within the AMP, temporary storage of saline water into pits is presented in the case additional water needs to be stored. Current open pits that have been assessed for temporary storage of saline water are TIR02, WES04, and WES05 (refer to the Project Description for the Meliadine Extension).

2.3.4 Groundwater Management Mitigations

The following mitigation options form part of the management of groundwater inflows to the Underground Mine and the storage of saline contact water at surface.

Fractured Bedrock Grouting

As discussed in the Approved Mine GWMP, a refined grouting approach began in 2019 based on the premise of preventative grouting (cementing) having greater effectiveness over reactionary grouting, which in previous years would be triggered by intersecting water bearing fractures when carrying out drilling (production and exploratory) and blasting activities.

In developing underground workings, exploratory Diamond Drill Holes (DDH) in areas of planned development are and will continue to be cemented prior to the advancement of the development. Furthermore, “Jumbo” holes (holes drilled by a Jumbo Drill) are drilled ahead of development and cemented specifically for the purpose of pre-development grouting. Combined, these grouting efforts act to reduce the potential for intersecting inflows with the increased surface area of the excavated heading. Where possible, residual inflows are then plugged on an as-needed basis in these areas. Inflows in blasted stopes and diffuse seeps are generally not able to be grouted and thus remain as active inflows to the underground workings.

The potential for intersecting water-bearing fractures is increased in production long holes (stopes), due to the increased surface area of the excavation and the proximity of the excavation to known water bearing structures. As such, during the drilling phase of stope production, a “grout curtain” is set in and around the stope to minimize the potential for inflows after blasting.

Storage increase

Upon the occurrence of greater than expected groundwater inflows to the underground mine, or delay in the construction of the waterline or the implementation of the medium-term management strategy (SP6 storage; Section 2.3.2), Agnico Eagle will consider expanding saline pond storage capacity until inflows can be reduced or treatment/discharge is capable of managing the inflows. Specifically, the mine plan as it relates to open pits can be adapted to provide additional storage.

Storage thresholds to trigger this adaptive management strategy have been set to allow ample time to make adjustments to the mine plan and to proceed through any applicable regulatory processes, if required. These storage thresholds are presented in the AMP.

It will be the goal of Agnico Eagle to reduce the amount of saline contact water stored in the saline ponds as much as possible during the open water season through discharge to sea to maximize storage potential.

2.3.5 Viability of Short-, Medium-, and Long-Term Management Strategies

The short-, medium-, and long-term strategy viability relates to balance of the rate at which saline water accumulates on site and the rate at which saline water is removed from the system. Annual maximums in saline contact water volumes requiring storage on site to the available storage capacity are provided in Appendix E of the WMP.

2.4 Groundwater Quality

The salinity of deep groundwater samples collected to date from the Meliadine Mine area are at the high end of what has been observed at other sites in the Canadian Shield at corresponding depths (Frape and Fritz 1987; Holden et al. 2009; Dominion 2014b). Water quality in deep groundwater samplings suggest the salinity remains consistent with depth following the transition from near surface freshwater. Salinity concentrations in deep groundwater at Meliadine are approximately 1.5 times that of sea water (35 g/L) (Golder, 2022b).

Data collected from the underground diamond drill holes at Tiriganiaq are collected from depths between 230 and 475 mbgs, which are inferred to be located above the zero-degree isotherm (base of permafrost) based on thermal modelling, and therefore within the cryopeg. TDS within the cryopeg may be elevated relative to groundwater in unfrozen rock at similar elevations due the preferential freezing of ‘fresher’ water and is similar to the assumed TDS below the regional permafrost (approximately 55 g/L) (Golder, 2022b).

SECTION 3. GROUNDWATER MONITORING PROGRAM

3.1 Water Quality and Quantity Monitoring

Water quantity and quality monitoring is an important part of the groundwater management strategy to verify the predicted water quantity and quality trends and conduct adaptive management should differing trends be observed.

The groundwater monitoring plan, summarized in Table 3.1-1, will be further defined as the Mine advances and will be conducted in agreement with the WMP for the Meliadine Mine.

Table 3.1-1: Groundwater Quantity and Quality Monitoring Plan

Monitoring Type	Monitoring Location	Purpose	Frequency
Verification	Underground Seeps	Quantity – Underground water balance approach to calculate groundwater inflow rate	Weekly
Verification	Underground to surface pipe	Quality – Monitor quality of saline contact water entering saline storage	Monthly
Verification	SP1, SP4, Tiriganiaq Pit 02, SPD1, SP5, SP6	Quality – Monitor quality of surface saline storage ponds	Monthly during open water
Verification	Underground seeps/DDHs	Quality – Verify quality of groundwater flowing into underground mine	Quarterly

3.1.1 Water Quantity

Groundwater inflow rates to the Underground Mine are estimated by balancing flowmeter measured volumes of water pumped out of the underground mine with changes in total water storage underground. Additionally, estimations for smaller inflows and outflows such as rock haulage moisture content, backfill paste water bleed, and surface to underground inflows are applied to improve calculated inflow accuracy.

Excess underground saline contact water volumes transferred from the Underground Mine to storage ponds on surface are recorded at a flow meter located after the main pumping station from underground to surface. Furthermore, water volumes in storage ponds are tracked via water elevation surveys applied to volume-elevation curves.

Observed groundwater inflow rates are compared to model predictions (Table 2.1-1) on a quarterly basis. If significant variations from model predictions are observed, revision of the assumptions/inputs behind the model will be considered and the model updated, if required. Variations that would be considered significant and would indicate the need to consider recalibrating the model and updating the inflow analysis would correspond to when groundwater inflows to the mine, based on a monthly average of inflow over six consecutive months, is 30% higher than the predicted groundwater inflows.

In addition, updates to the groundwater model may be required based on operational changes as the Underground Mine advances.

3.1.2 Water Quality

Underground Contact Water

Underground saline contact water is sampled on a monthly basis at the locations identified in Table 3.1-1. All underground saline contact water sampling locations are analyzed for the following parameters: conventional parameters (specific conductivity, TDS, TSS, pH, hardness, alkalinity, total and dissolved organic carbon, turbidity), oil and grease, major ions, total and free cyanide, radium 226, dissolved and total metals (including mercury), nutrients (nitrate and nitrite, ammonia, Kjeldahl nitrogen, total phosphorus, orthophosphate) and volatile organic compounds (i.e., benzene, xylene, ethylbenzene, toluene, F2-F4 petroleum hydrocarbons). Additional sampling locations are expected to be installed for the Meliadine Extension, located on surface and in-line of the underground to surface pumping line, providing final representative water quality of underground saline contact water entering surface saline storage before it interacts with previously existing saline contact water on surface and any precipitation runoff inflows.

Underground saline contact water monitoring is carried out for operational and water management purposes by Agnico Eagle. This monitoring data will not be reported to the Regulators in the Annual Water License Report but can be provided upon request by the Regulators.

Non-contact Groundwater

Non-contact groundwater quality is monitored at mine seeps and/or DDH water intersects to verify the quality of groundwater flowing into the mine prior to contact. Flushing and sampling techniques used to ensure samples are taken without contamination are described in Section 2.2.3 of the Quality Assurance/Quality Control Plan. Samples are collected quarterly at a minimum but actual sampling frequency may be greater depending on rate of progress, frequency of water intersects, and observed trends in groundwater quality with time. DDH intersect water samples are analyzed for the following parameters: conventional parameters (specific conductivity, TDS, TSS, pH, hardness, alkalinity, total and dissolved organic carbon, turbidity), major ions, nutrients (nitrate and nitrite, ammonia, Kjeldahl nitrogen, total phosphorus, orthophosphate), radium 226, dissolved and total metals (including mercury). Non-contact groundwater quality data collected for Meliadine Extension will be provided in the Annual Report.

Non-contact groundwater samples as part of the groundwater monitoring program are used to identify trends and improve predictions regarding groundwater inflow chemistry. If non-contact groundwater samples collected indicate that TDS concentrations are greater or less than 20% than the estimated 55 g/L (Section 2.4), then water quality predictions for underground will be reviewed and updated, if required.

3.2 Hydraulic Monitoring

As a strategy to support groundwater inflow modelling and monitor groundwater responses to mining, vibrating wire piezometers are currently installed in the rock mass surrounding the Underground Mine. These piezometers are currently and will continue to be applied to assess response of the groundwater pressure (pressure head) to groundwater inflows, and as calibration data for the groundwater inflow model (Section 2.1).

3.3 Permafrost Terrain Monitoring

Agnico Eagle considers that existing T&C 12 of Project Certificate No.006 is sufficient to protect, mitigate, and monitor the permafrost terrain for the Meliadine Extension. Nonetheless, as the primary source of data for calibration and verification of thermal model results for permafrost characterization are temperature measurement from thermistor strings, the following monitoring activities will continue:

- Thermistors will continue to be installed when possible in exploration boreholes, especially boreholes close to planned underground developments or beneath large lakes to confirm permafrost depth and talik characteristics.
- Data from a deep thermistor recently installed in an area farther away from lakes (to provide information about regional permafrost depth in areas not influenced by lakes) will continue to be collected and analyzed to assess thermal stability.
- Data from existing thermistors will continue to be collected and analyzed to assess thermal stability of the permafrost terrain.

Existing monitoring and follow-ups that have been implemented during construction and operation will continue to be carried forward through the Meliadine Extension.

REFERENCES

Agnico Eagle. 2014. Final Environmental Impact Statement (FEIS) - Meliadine Gold Project, Nunavut from: ftp://ftp.nirb.ca/02-REVIEWS/ACTIVE%20REVIEWS/11MN034-Agnico Eagle%20MELIADINE/2-REVIEW/09-FINAL%20EIS/FEIS Accessed on November, 2014.

Agnico Eagle. 2015. Meliadine Gold Project, Type A Water Licence. Water Management Plan. Version 1. Submitted to the Nunavut Water Board. April 2015.

Agnico Eagle. 2018. Meliadine Gold Project: Design Report Saline Water Treatment Plant. 6515-E-132-013-105-REP-035. August 2018.

Agnico Eagle. 2022. Meliadine Gold Mine Water Management Plan. Version 12. December 2022.

Golder. 2020. 2019 Updated Predictions of Groundwater Inflow to Tiriganiaq Underground Mine. Technical Memorandum 1819980010-001-TM-Rev0. April 2020.

Golder. 2021a. Report on Summary of Existing Conditions Meliadine Extension. Golder Doc. 20136436-855-R-Rev3. November 2021.

Golder. 2021b. Report on Hydrogeology Modelling Report Meliadine Extension. Golder Doc. 20136436-857-R-Rev2. November 2021.

Golder. 2022a. Meliadine Extension – 2022 Thermal Assessment. Golder Doc. 22513890-R-Rev0. July 2022.

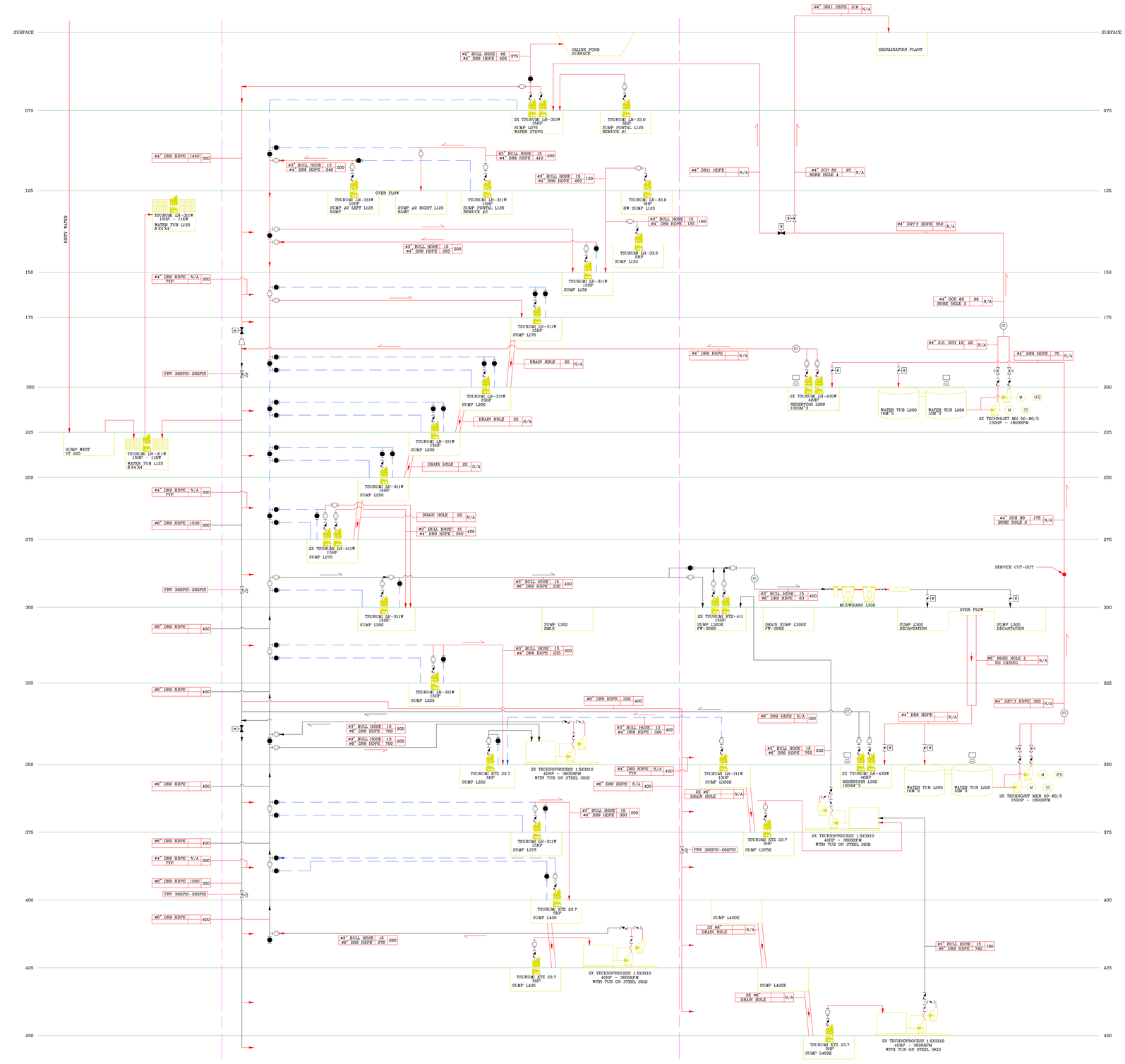
Golder. 2022b. Report on Updated Summary of Existing Conditions Meliadine Extension. Golder Doc. 22513890-942-Rev0. December 2022.

Golder. 2022c. Report on Updated Hydrogeology Modelling Meliadine Extension. Golder Doc. 22513890-941-R-Rev0. December 2022.

Lorax (Lorax Environmental Services). 2023. Meliadine Extension: Water Balance and Water Quality Model Technical Report Prepared for Agnico Eagle Mines Ltd., by Lorax Environmental Services, January 2023.

NWB (Nunavut Water Board). 2021. Amended Type A Water Licence No. 2AM-MEL1631.

APPENDIX A • UNDERGROUND WATER MANAGEMENT FLOW SHEET DIAGRAM



PIPE UNDER PRESSURE
PIPE UNDER PRESSURE 6"
PIPE WITHOUT PRESSURE
EQUIPMENT
LEVEL
SECTOR
FIRST PIPE | LENGHT (M) | #3" BULL HOSE 15
SECOND PIPE | LENGHT (M) | #4" DR9 HDPE 410 | 200 | FLOW (USGPM)
BALL VALVE NC
BALL VALVE NO
GATE VALVE NC
GATE VALVE NO
CHECK VALVE
PRESSURE REDUCING VALVE
BUTTERFLY VALVE
MOTORISED BUTTERFLY VALVE
LEVEL SENSOR
FLOW METER
CONCENTRIC REDUCER

TOTAL HP INSTALLED: 1045 HP

NOTE:

- ESTIMATED LENGTH OF PIPING, TO BE CONFIRMED BY COSTUMER.

NE PAS UTILISER POUR CONSTRUCTION
(NOT FOR CONSTRUCTION)

POUR APPROBATION
(FOR APPROVAL)
DATE : 2018-08-02

REV	DATE	DESCRIPTION	INIT.	INIT.
D	2018-11-15	ISSUED FOR COMMENTS	A.L.	A.L.
C	2018-09-26	ISSUED FOR COMMENTS	P.B.	M.B.
B	2018-09-18	ISSUED FOR COMMENTS	P.B.	M.B.
A	2018-08-08	ISSUED FOR COMMENTS	P.B.	A.L.

ÉMISSION/ISSUED FOR

Techno-Sub

CLIENT:
AGNICO EAGLE
MELIADINE

PROJET/PROJECT:
WATER MANAGEMENT AUDIT
P1806201

TITRE/TITLE:
FLOWSHEET DIAGRAM
MID TERME
NOVEMBER 2018

CONÇU PAR/DESIGNED BY: A. Labbe, P. Eng.	INIT.
DESSIN PAR/DRAWN BY: P. Bellerose	INIT.
VERIFIÉ PAR/CHECKED BY: A. Labbe, P. Eng.	INIT.
APPROUVÉ PAR/APPROVED BY: A. Labbe, P. Eng.	INIT.
ÉCHELLE/SCALE: N/A	DATE DE CRÉATION/CREATION DATE: 2018-08-08
# DE PROJET/PROJECT #: P1806201	
# DE DESSIN/DRAWING #: P1806201-0002	REVISION D

GABARIT/TEMPLATE: TECH_1 FORMAT: ARCH D (24X36)
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IMPRIMÉ LE/PRINT ON: 2018-11-15 15:21:29 - PAR/BY: ALEXANDRE LABBE

FICHIER/FILE: G:\PROJETS\P18-- PROJETS 2018\P1806201 - AGNICO-EAGLE MELIADINE - AUDIT DE GESTION DES EAUX DU SITE\3 - DESSINS\EN PROGRES\MISE EN PLAN\P1806201-0002 (P&ID NOV 2018).DWG
ÉCHELLE DE TRACE/PLOT SCALE: 0.037362

APPENDIX B • FRESHET MANAGEMENT PLAN

AGNICO EAGLE

Meliadine Division

Freshet Management Plan

DECEMBER 2022
VERSION 7_NWB

DOCUMENT CONTROL

Version	Date (YM)	Section	Page	Revision
1	March 2016	ALL	-	Comprehensive plan
2	March 2017	ALL	-	
3	March 2018	ALL	-	
4	December 2018	ALL	-	
5	March 2019	ALL	All 2 3 5-6 9-10 13 Figure 1 Figure 2 Appendix A	Update to reflect transitional changes to Operations phase Include DCP-1 and DCP-5 in areas of risk during Freshet Update section 2.1.2/2.1.3 noting 5 evaporators and discuss SP3 Update Section 2.8, discuss time of pond construction. Update Section 3.1, discussion of SP3 and update on inspections. Update Section 3.6., 3.7, 4 to reflect changes in freshet management. Updated to include structure names Updated to include SP3 Update to include emulsion pad to inspection list
6	March 2020	ALL 2 3 4	All 2 Figure 1 4 6-7 7 10 10 13 13 15 Figure 5 Figure 6	Document formatting to match common style Risk areas to include CP6 and TSF Include TSF P-Area volumes, source of inflows Portal sump wording & grammar; include CP6 Itivia wording & grammar Update to P-Area management for 2020 Addition of P-Area emergency pumping strategy Remove downstream D-CP5 risk mitigation; Add TSF Addition of temporary water management structure section Update Snow Management information Update Site snow management figure Update Itivia snow management figure
7_NIRB	November 2021	All	All	General review for Meliadine Extension application submission to NIRB
7_NWB	December 2022	A yellow arrow in the right-hand margin indicates where updates have been made		Submitted to Nunavut Water Board as part of the Meliadine Extension Amendment.

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SECTION 1 • INTRODUCTION

The purpose of the Freshet Action Plan (Plan) is to provide Agnico Eagle with specific management and mitigation measures to address and manage water associated with the freshet season (Freshet), a response plan, and procedures to prevent and to minimize potential negative impacts to the surrounding environment at the Meliadine Site (Site).

The term freshet refers to spring thaw, which can result in inundation of floodplains. Freshet at Meliadine typically takes place between May 15 and July 30. In some years, Freshet can also happen in early fall, when freezing re-occurs (mid-October) and then thaws. There are areas at the Site that are vulnerable to excess water produced during Freshet; the objective of this document is to identify those areas, and to develop a plan with defined roles and responsibilities to manage excess water produced on site.

The following guiding principles are applicable to the Plan:

- To ensure that mine contact water from runoff or seepage is managed to prevent adverse environmental impacts;
- To ensure the health and safety of Agnico Eagle employees and contractors; and
- To ensure the Site is in compliance with the Nunavut Water Board (NWB) Type A Water Licence No.: 2AM-MEL1631 (Type A Licence).

The Plan identifies areas of risk during Freshet, risk management and the procedures necessary to address potential concerns. Best practices will be used to ensure appropriate freshet management in the design process of the infrastructure.

SECTION 2 • AREAS OF RISK DURING FRESHET

The key areas of risk during Freshet at the Site include the following:

- P-Area
- Portal 1 Sump 1 (Sump LV50)
- Portal 2 Sump 1 (Sump LV50)
- Landfarm A and Landfarm B
- Landfill
- All Weather Access Road (AWAR) and Quarries along the road
- Infrastructure Areas; including the Exploration Camp area, Portal 1 & 2 and the Industrial Pad Areas
- Containment Pond 1 (CP1), Containment Pond 3 (CP3), Containment Pond 4 (CP4), Containment Pond 5 (CP5) and Containment Pond 6 (CP6)
- D-CP1 and D-CP5
- Meliadine Esker Quarry
- Bypass Road
- Itivia laydown and fuel handling facility (Itivia)
- Tailings Storage Facility

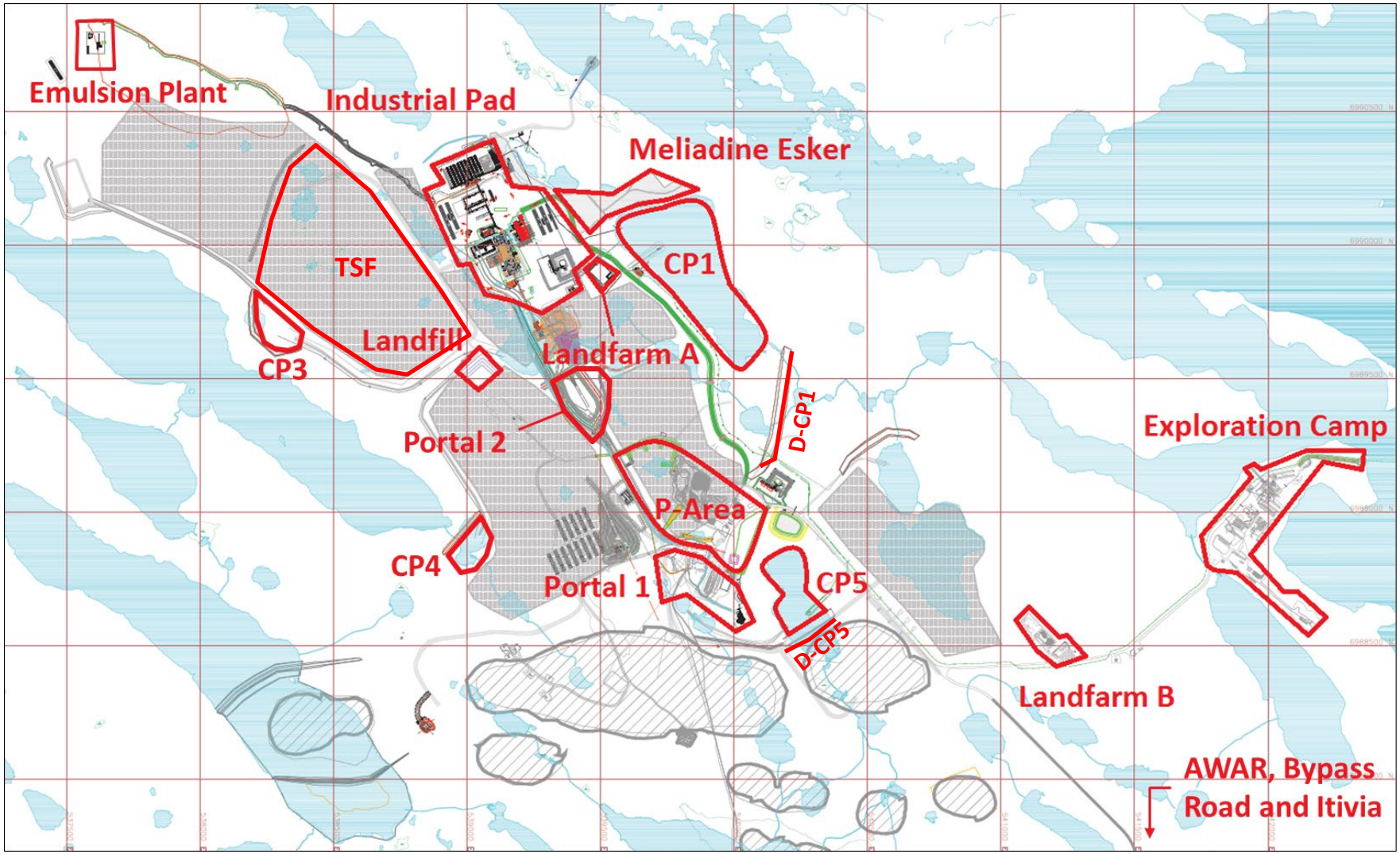
Identified areas of risk at Site are shown in Figure 1, and are described in the following section.

For the Meliadine Extension, new infrastructure for operational and water management purposes are going to be built, following the development sequence of the project. Some of the key infrastructure during freshet include:

- Collection Ponds
- Berms
- Dikes
- Access roads, including the Discovery road;
- Waterline
- A-chain pipeline;
- Channels
- Sumps
- Fuel farms
- Industrial Pads
- Laydown Areas
- Tiriganiaq-Wolf Area

Figure 2 shows a more detailed view of infrastructure that can be affected by freshet for the Meliadine Extension.

Figure 1: Site Plan View with Areas of Risk at Site during Freshet – Meliadine Mine



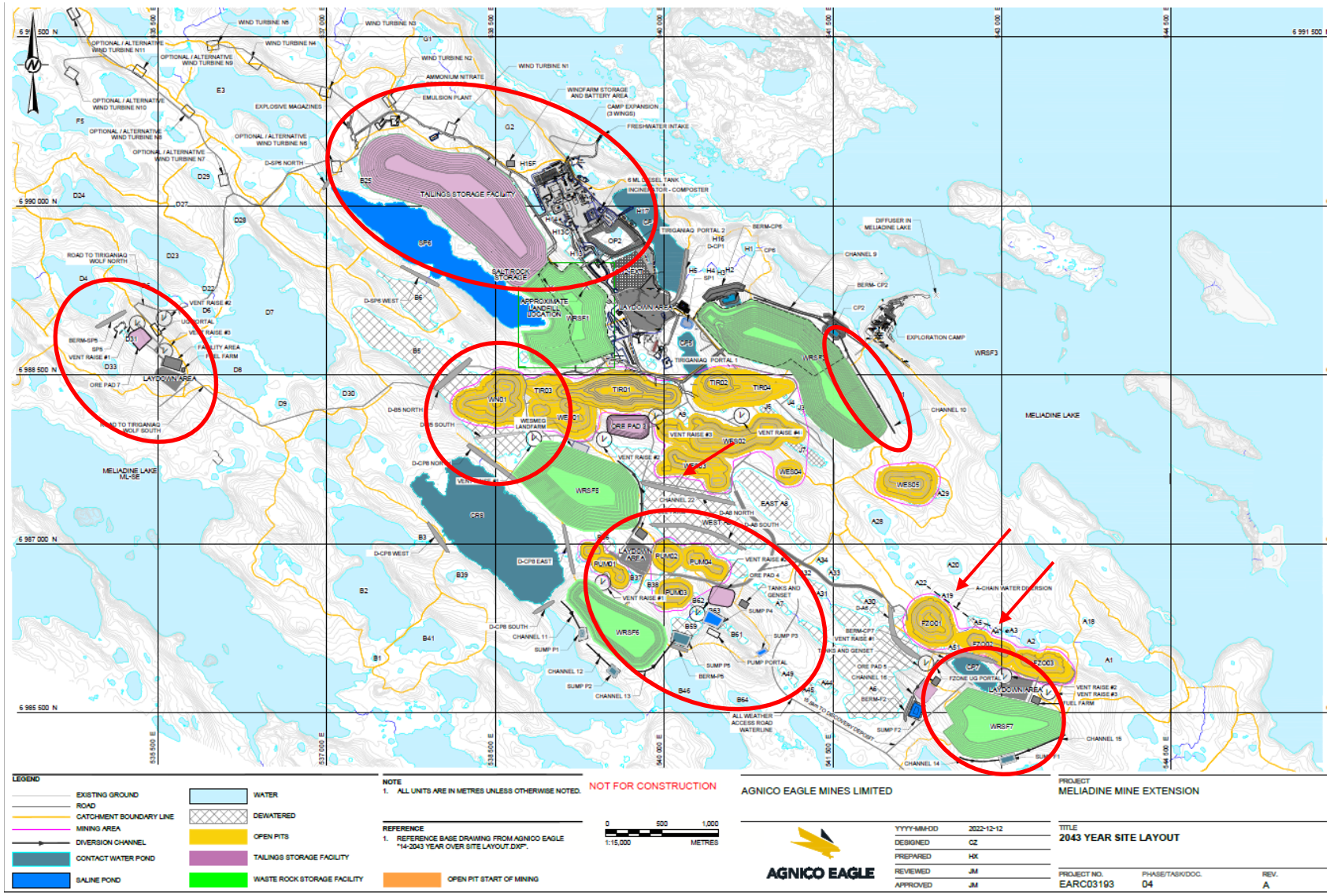


Figure 2: Site Plan View with Areas of Risk at Site during Freshet – Meliadine Extension

2.1 P-Area

Surface runoff that has come in contact with the southern portion of the future Waste Rock Storage Facility 2 (WRSF2) and surface works in the area of Portal 1 flows preferentially to the P-Area containment.

The P-Area includes three containment areas (Figure 2); P1 Containment Area (P1), P2 Containment Area (P2), and P3 Containment Area (P3) and has a cumulative capacity of 30,521 m^3. Periodic pumping to P1, from P2 and P3, is planned to manage water levels in P2 and P3. In past years active evaporation has been applied. In 2020, alternatives to active evaporation were assessed and transportation of water through a waterline was assessed and approved as the preferred alternative.

2.1.2 P1

P1 has a capacity of 20,781 m^3 and is the largest of the three ponds that make up the P-Area. Water contained in P1 includes direct precipitation, surface runoff in the P1 catchment area and any water accumulated in P2 or P3. Five evaporators are installed at P1. As mentioned above, alternatives to the evaporators are being assessed.

2.1.3 P2

P2 has a capacity of 6,828 m^3 and is located directly adjacent to and down-gradient from P1. In addition to direct precipitation, P2 captures surface runoff from the surrounding catchment area. Water captured in P2 is pumped to P1, as required.

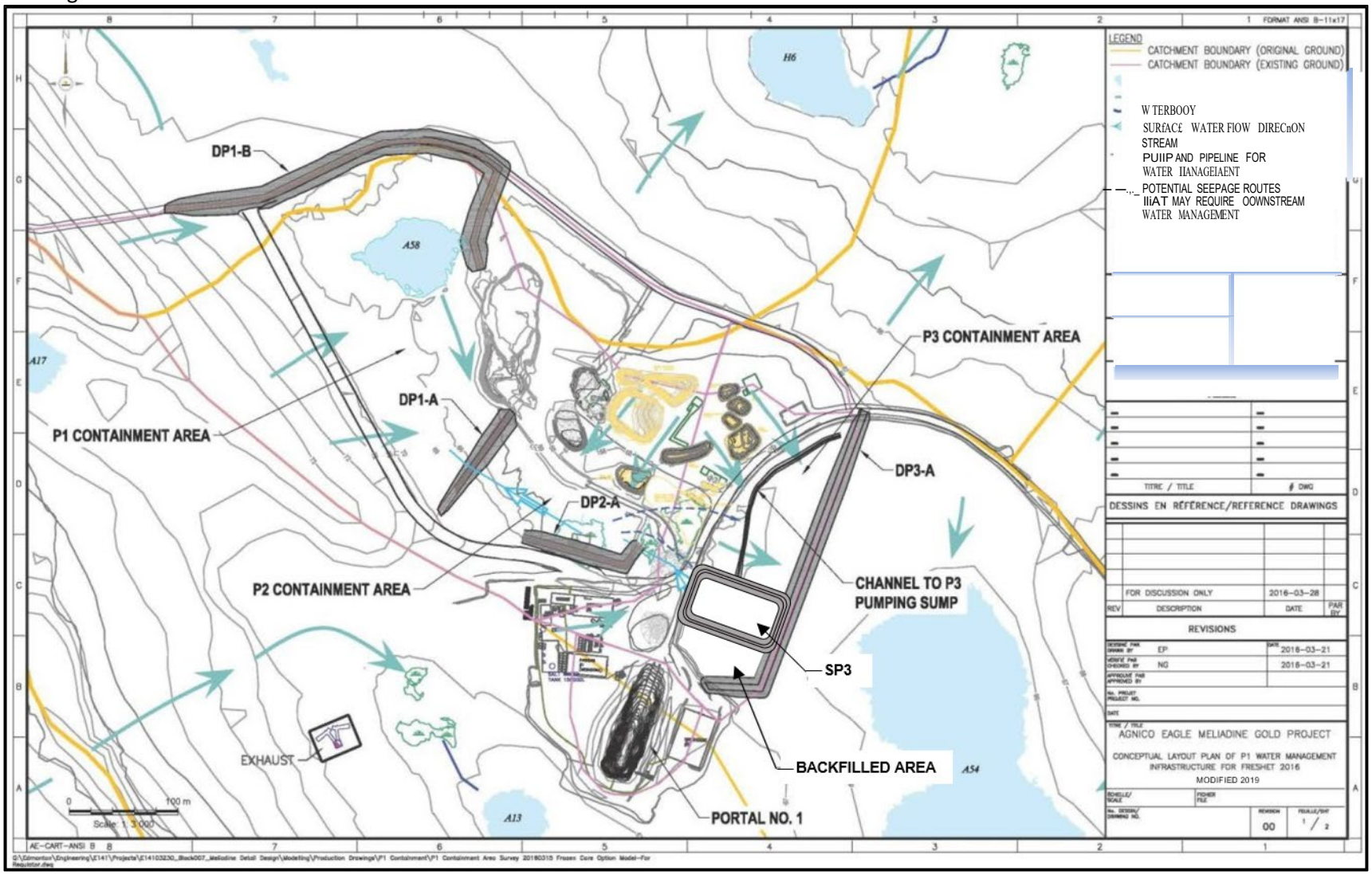
2.1.4 P3

P3 has a capacity of 2,912 m^3 and is down-gradient of P1 and P2. P3 contains surface runoff from the surrounding catchment, including the portal entrance area. Water from P3 is pumped to P1, as required. Furthermore, for the 2020 freshet, a back-up pump from P3 to CP5 is planned to manage greater than expected inflows to the P-Area and to ensure management of P3 water levels and protection of the SP3 liner (Section 3.1).

2.1.5 Saline Pond 3

Saline Pond 3 (SP3) is located south of P3 and has a maximum water storage capacity of 7,985 m^3. The design of the containment structure uses an elevated dike approximately 2 m higher than the adjacent road surface. As such, runoff water in this area does not flow into SP3.

Figure 3: P-Area Plan View



2.2 Portal 1 Sump 1 (LV50 SUMP)

LV50 is located 50 meters below grade (mbg) and is the first sump located down the Portal 1 ramp. Snowmelt and surface run-off that flows down the portal entrance is directed to sump LV50 where it is then pumped to CP5. The overall capacity for Portal 1 Sump 1 is 29 m^3. Water pumped from Portal 1 Sump 1 to CP5 is measured with a volumetric flow meter and recorded daily.

2.3 Portal 2 Sump 1 (LV50 SUMP)

LV50 is located 50 meters below grade (mbg) and is the first sump located down the Portal 2 ramp. Snowmelt and surface run-off that flows to the portal entrance to sump LV50 is pumped from LV50 to Channel 1. The overall capacity for Portal 2 Sump 1 is 55 m^3. Water pumped from Portal 2 Sump 1 to Channel 1 is measured with a volumetric flow meter and recorded daily.

2.4 Landfarm

The Type A License Landfarm is located adjacent and east of the Industrial Site Pad and is designed to receive soils, rock, snow, and ice contaminated with petroleum hydrocarbons. This includes light hydrocarbons such as diesel and gasoline (Agnico Eagle 2019). It was assumed that an annual volume of 500 m^3 of contaminated ice and snow would require management and the Landfarm has been designed to account for this volume.

The Landfarm has geotextile liners and is filled with soil. Water that pools, collects or flows from the Landfarm is collected for monitoring and treated before it is discharged to CP1.

2.5 All Weather Access Road (AWAR)

The All-Weather Access Road (AWAR) was built in 2013 to connect the Site to the hamlet of Rankin Inlet. The road is approximately 23.8 km long with twenty-two water crossings; three bridge crossings and nineteen culverts installed (Figure 3).

2.6 Infrastructure Areas

Infrastructure Areas represent buildings, pads and towers installed at the Site and include the Industrial Pad, Exploration Camp, and Emulsion Plant (Figure 1).

2.7 CP1, CP3, CP4, CP5, and CP6

Engineered water containment dikes constructed in 2017 at lakes A54 and H17 were developed as D-CP5 and D-CP1, respectively. The dikes are designed to contain contact water within the footprint of the Site and prevent pollution provisions of the *Fisheries Act*. Both CP1 and CP5 are used for Site contact water and snow and ice collection prior to Freshet. CP1 and CP5 are illustrated in Figure 1 and discussed in Section 3 of this plan.

CP3 and CP4 are containment ponds designed to collect runoff from the Tailings Storage Facility (TSF) area and Waste Rock Storage Facility 1 (WRSF1) area, respectively. CP3 construction was completed in Q4 of 2018 and CP4 construction was completed in Q2 2019. CP3 and CP4 design plans implement engineered thermal protection berms. Maximum operating levels within CP3 and CP4 are such that Berm-CP3 and Berm-CP4 will not be required to retain water (see Water Management Plan).

Construction of CP6 is on-going and the facility will be commissioned prior to Freshet of 2020. CP6 is designed to collect runoff from Waste Rock Storage Facility 3 (WRSF3) where the water will then be pumped to CP1 for containment prior to discharge. CP6 design implements an engineered thermal protection berm. Maximum operating level within CP6 is such that Berm-CP6 will not be required to retain water (see Water Management Plan).

2.8 Bypass road

The Bypass Road is a 5.9 km access road that provides a means to divert site-related traffic around the community of Rankin Inlet. The Bypass Road spans from the northwest margin of Itivia to km 2.9 on the AWAR (Figure 4) and has 19 culverts installed at 13 locations along the road.

2.9 Itivia

Itivia is located in Rankin Inlet and is accessed by the Site from the AWAR and Bypass Road. In combination with the Bypass Road, Itivia is intended to support the Site as a staging point for incoming and outgoing fuel and material handling for barge shipments. Itivia is also the location of the final discharge point for saline effluent generated by the mine. The location of Itivia is shown on Figure 3 and the plan view of the Itivia Site is presented as Figure 6. A culvert is installed to divert runoff around the Itivia Site and to allow passage of run-off from the Itivia laydown area (Figure 6).

2.10 Tailings Storage Facility

The Tailings Storage Facility (TSF) is a dry stack tailings storage facility. The TSF dry stack is located west of the Industrial Pad as shown in Figure 1. The facility stores compacted tailings that are transported from the process plant by haul truck. The tailings are spread and compacted in the facility. The tailings are deposited within a rockfill bermed area. The rockfill berm will ultimately form the cover for the placed tailings. Culvert 1 is in place to allow passage of water through the TSF haul road.

2.11 Meliadine Extension Water Management Infrastructure

Over the course of the Meliadine Extension, several water management infrastructures will be commissioned and decommissioned in a phased approach. Prior to construction, the Freshet Management Plan will be updated to include the operational risks and impact of the added infrastructure during freshet.

The design will follow best practices on hydrological risk management. Updates to the management plan will be done through the annual reporting process or otherwise as necessary.

After decommissioning and reclamation of a given infrastructure, the freshet management plan will no longer be applicable as the water management strategy will be then defined by the Interim Closure and Reclamation Plan.

Figure 4: AWAR Map Showing Water Crossing Location Section

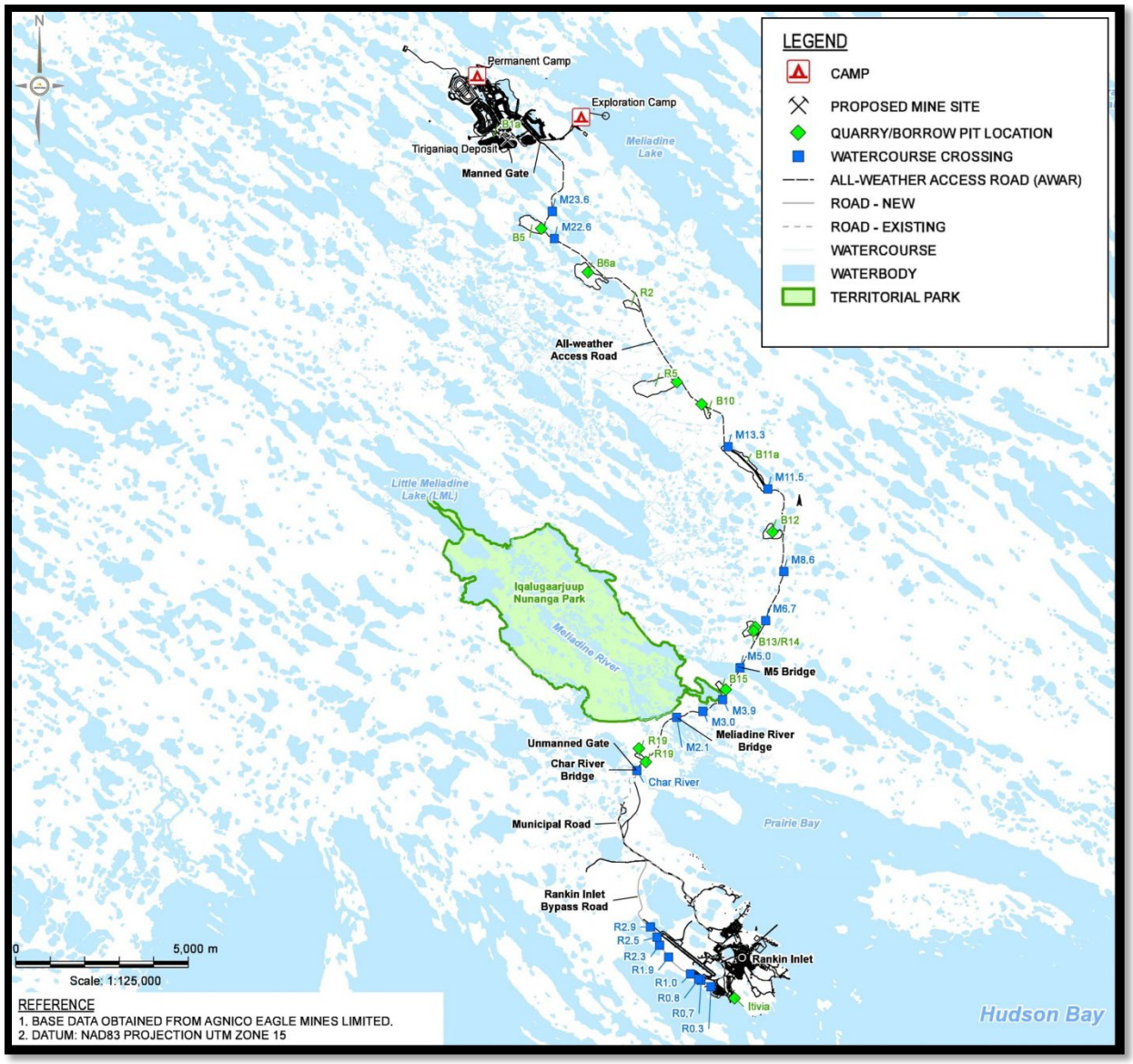
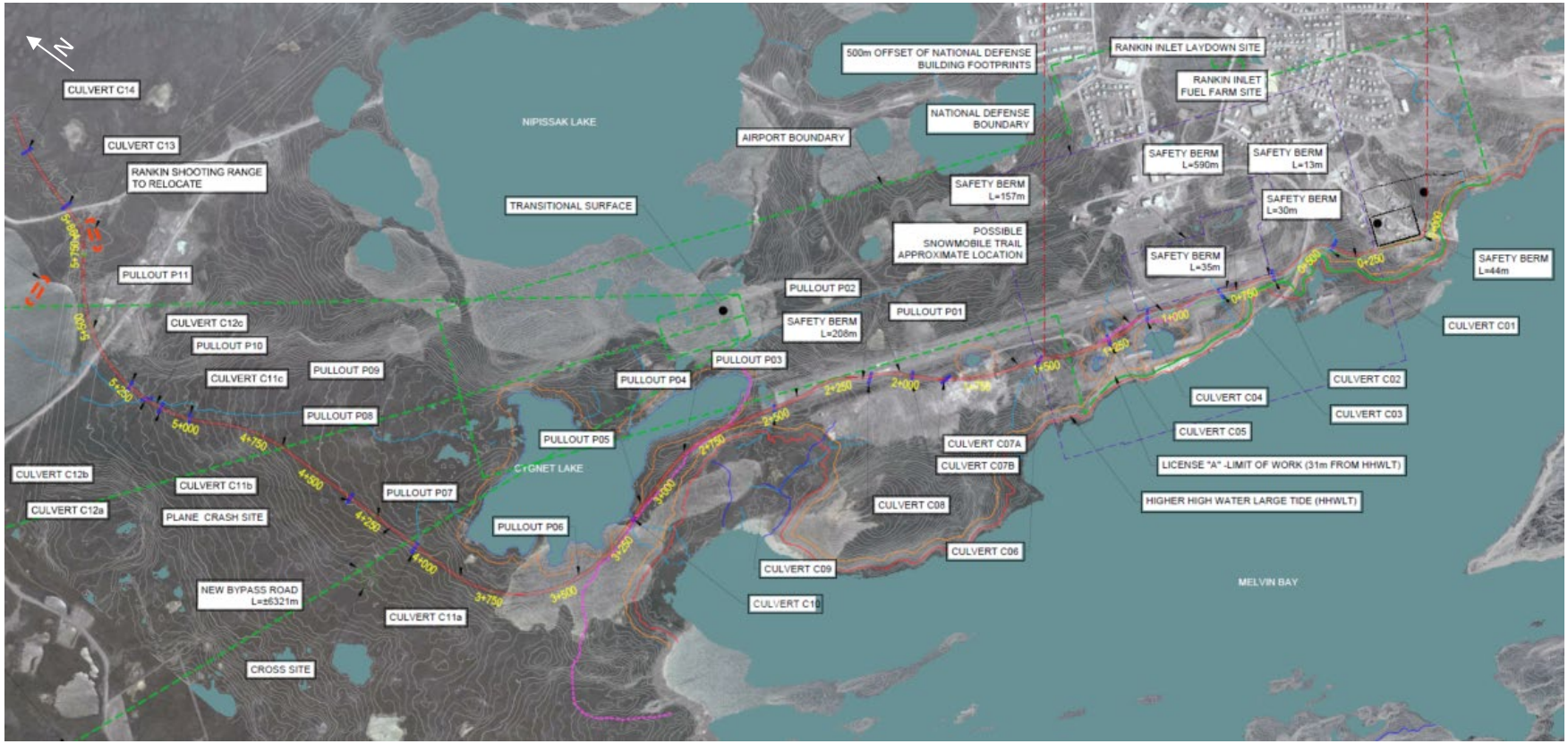


Figure 5: Bypass Road and Culvert Location



SECTION 3 • FRESHET RISK MANAGEMENT

Managing the risks prior to Freshet is a primary objective at Site. Planning and preparing before Freshet alleviates some of the risk from excess water that may suddenly occur, and helps to ensure compliance with applicable regulations. This is managed by removing water (pumping) at containment pond areas prior to winter freeze (fall) to allow for increased capacity from precipitation, snow and ice removal on roads, road water crossings, culverts, ditches, and select containment ponds after winter freeze and before Freshet (winter and spring).

Risk management practices for the Site areas during Freshet are described below and Appendix A presents the Freshet Action Plan Procedure for preparation prior to, during and after Freshet. Section 4 describes snow management at Site and Appendix B presents the Snow Management procedure.

3.1 P-Area Risk Management

The following management practices are maintained at the P-Area during Freshet and are described in more detail in Appendix A:

- Water levels will be monitored. The water level will not exceed the maximum design elevation in any of the three containment ponds (P1, P2 or P3). P3 water levels will be kept as minimal as possible to keep water from affecting the base of Saline Pond 3 (SP3), which is located immediately adjacent to (southwest of) P3, prior to Freshet (see Water Management Plan for details). To ensure maintenance of P3 water levels under scenarios of pump failure or greater than expected runoff volumes, installation of a back-up pump from P3 to CP5 is planned.
- Runoff water contained in the downstream sumps of DP1-B and DP3-A will be pumped into P1-B and P3, respectively.
- Agnico Eagle will conduct weekly freshet structural inspections of the dikes and note any observed seepage. Inspections will also include monitoring the base of SP3 for settling, slumping and cracking.
- Active evaporation from use of the evaporators may be used to contribute to managing the quantity of water contained at P-Area. However, alternatives to active evaporation as a means to manage P-Area water are being explored by AEM.
- Weekly water sampling during Freshet.

In the event that emergency removal of water contained within one or more cells comprising the P-Area is necessary, the most recent water quality data available will be used to determine an appropriate location for the water to be pumped to. The receiving location will also be assessed for sufficient capacity to receive the P-Area water.

3.2 Portal 1 Sump 1 Risk Management

If CP5 becomes filled to capacity and LV50 sump needs to be pumped, the water from LV50 will flow down gradient to the Underground Water Stope.

3.3 Landfarm Risk Management

If there is any excess water collected at the Landfarm during Freshet and treatment is not immediately possible, the excess volume will be transferred to the contaminated snow cell located in the Northwest extent of P1. If the snow cell is at capacity and the Landfarm contains excess water, the water will be sampled and, pending acceptable results, the water will be moved to CP1. If results do not allow transfer to CP1, water will be stored in totes until treatment is possible.

In the event that the water sample results do not allow transfer to CP1, potential treatment methods are as follows:

- Oil/water Separator
- CI Agent E-VAC Waste Water Filter System
- Carbon Filter System

If a suitable treatment cannot be completed, the water will be shipped south in totes or bladders for disposal in a certified disposal facility.

3.4 AWAR, Bypass Road and CP3/CP4 access road Risk Management

The following management practices are maintained to ensure the integrity of the AWAR, Bypass Road and CP3/CP4 access roads before and during Freshet and are described in further detail in Appendix A:

- Large culverts will be heated/steamed as necessary to allow the free flow of Freshet water.
- Prior to Freshet, water crossings and culverts will have snow removed from ice surface on the up and downstream side of the crossing to allow free flow of water.
- Visual inspections of AWAR and Bypass Road will be undertaken as to the structural integrity of the abutments and road integrity by the E&I Supervisor.
- Weekly (minimum) written inspections throughout Freshet and daily during excessive rainfall response including TSS transport, culvert/crossing function, flow rates, and integrity of roads will be completed by the Environment Department in conjunction with the E&I Department.

If erosion or ground surface scouring are observed, the E&I Department will be notified for repairs. TSS barriers, silt fences, straw logs or other sediment control methods will be implemented as required.

3.5 Infrastructure Areas

Risk management practices for the main Infrastructure Areas at the Site during Freshet are described in the following sections.

3.5.1 Camp Pads and Surroundings

Risk management practices are maintained at the Exploration Camp, Main Camp and surrounding camp areas as follows:

- Clearing off ice and debris from culverts prior to and during Freshet;
- Visual inspections for excessive water pooling. If pooled water is observed to flow into a water body, a water sample will be collected and monitored for TSS. Follow-up samples will be collected on a weekly basis thereafter;
- Visual inspections for snowmelt runoff. If runoff is observed to flow into a water body, a water sample will be collected and monitored for TSS. Follow-up samples will be collected on a weekly basis thereafter;
- Visual inspections to ensure flow through culverts and along channels is not impeded; and
- TSS transport will also be monitored at the culvert beside the garage that flows straight to Meliadine Lake. This area will be monitored for TSS, and preventative measures (install straw wattles and/or booms) will be installed to prevent deleterious substances from entering Meliadine Lake.

3.5.2 Industrial Pad and Access Road

The following management practices are maintained to ensure the integrity of the industrial pad and access road:

- This area will be monitored for turbidity and preventative measures (install straw wattles and/or booms) will be implemented to prevent deleterious substances from entering Meliadine Lake.

3.6 CP1, CP3, CP4, CP5, CP6, and Quarries

Risk management practices for CP1, CP3, CP4, CP5, CP6, and the Meliadine Esker and Quarries include discharging/pumping the water prior to winter freeze to be treated and/or discharged as per the Type A Water Licence and the Water Management Plan. If water is observed to be flowing or ponding, it will be sampled to ensure deleterious substances and TSS is not released to surrounding water bodies (Part I, Item 11 of the Type A Water Licence). Inspections of CP1, CP3, CP4, CP5, CP6, and associated water management structures or thermal protection berms, will be conducted following Part E Item 15 of the Type A Water Licence and the Water Management Plan.

3.7 Itivia

The following management practices are maintained to ensure the integrity of Itivia and the Bypass Road:

- The culvert installed between the Itivia laydown and the existing laydown areas (Figure 4) will be cleared of snow and ice prior to Freshet and will be monitored closely for TSS transport;
- Rip rap was installed around the culvert to control erosion and a decantation sump will be maintained downstream to collect suspended sediment;
- Two rock check dams were installed in 2019 upstream of the culvert to mitigate TSS transport through the Itivia site (Figure 6; Tetra Tech 2019);

- The upstream and downstream extents of the culvert area will be monitored for turbidity and preventative measures (install straw wattles and/or booms) will be implemented to prevent deleterious substances from entering Hudson's Bay; and
- Weekly water sampling at locations of runoff.

3.8 Tailings Storage Facility

The following management practices are maintained to ensure the integrity of the Tailings Storage Facility (TSF) and its associated structures:

- Culvert 1 (access road to TSF) will be cleared of snow and ice prior to Freshet and will be monitored closely for TSS transport;
- Snow that has accumulated on the TSF deposition surface will be removed prior to Freshet to reduce snowmelt runoff and pooling (Section 4);
- Daily visual inspections for ponding and areas of elevated sediment transport;
- Weekly inspections carried out to identify areas of concern including issues of seepage, cracking, and ponding on the TSF and associated structures.

3.9 Temporary Water Management Structures

Based on anticipated areas of ponding and/or impediment to flow on Site, or in reaction to unexpected ponding and/or impediment to flow on Site, temporary water management structures may be implemented to protect infrastructure by encouraging water movement through the water management system. Temporary water management structures will be constructed as needed and decommissioned when the event invoking the requirement (i.e., ponding) comes to an end. Such structures will be built in such a way that they maintain the overall flow direction of waters on site and do not affect the discharge to the receiving environment. No temporary measures would be placed outside the project footprint, nor alter the way water enters into the receiving environment. Temporary water management structures may include:

- Trenching in snow and/or ice;
- Excavation into ice to allow the immediate installation of pumps, avoiding the necessity to wait for ice to thaw; or
- Trenching/spillways across roads on Site at areas of ponding where pumping rates are unable to match accumulation rates.

3.9 Meliadine Extension Water Management Infrastructure

Based on the development sequence of the life of mine of Meliadine Extension, mining will occur until 2043. New infrastructure will be progressively added as it is commissioned and mitigation measures for the risks identified with each one will be added in section 3. It is anticipated that the management strategy (visual inspections, monitoring) will be similar throughout the entire life of the mine as there is little to no change in the infrastructure type. Particular field conditions could require enhanced risk management practices.

SECTION 4 • SNOW MANAGEMENT

Proper snow management during the winter contributes to risk mitigation from excess water during Freshet and prevents possible environmental impacts. *The Snow Management Procedure* (Procedure Number MEL-ENV-0017) (Appendix B) presents the plan to efficiently manage snow at the Site.

Snow that is removed from the Main Camp, Industrial Pad, Ore Pad, 6 Million Liter Fuel Farm, Portal 2 Pad, and Crusher Pad will be transported to a snow dump in the north end of CP1. Snow removed from the Tailing Storage Facility (TSF) will be transported to the north end of the TSF depositional footprint which is currently not occupied by tailings. Snow removed from the Paste Plant, Batch Plant, and surrounding laydowns will be transported immediately north of the Batch Plant and maintained as a level snow pad. Snow removed from the 3 Million Liter Fuel Farm, Portal 1 Pad, Vent Raise, SWTP/SETP Pad, and associated laydowns will be transported to CP5 and maintained as a level snow pad.

Snow and ice from the other areas at the Site are removed from roadways with a snow blower or plow and/or transported to CP1 or CP5, depending on the catchment of origin. Snow removal outside of the designated zones is generally maintained as a clean, level snow pad. Figure 5 illustrates the locations for snow collection during the winter and prior to Freshet. Figure 6 illustrates the snow management and storage areas for Itivia.

For the Meliadine Extension, snow will be removed and transported to a dedicated snow dump area where the snowmelt during freshet will not create critical volumes of water for the water management system and where the contact water can be captured treated prior to discharge.

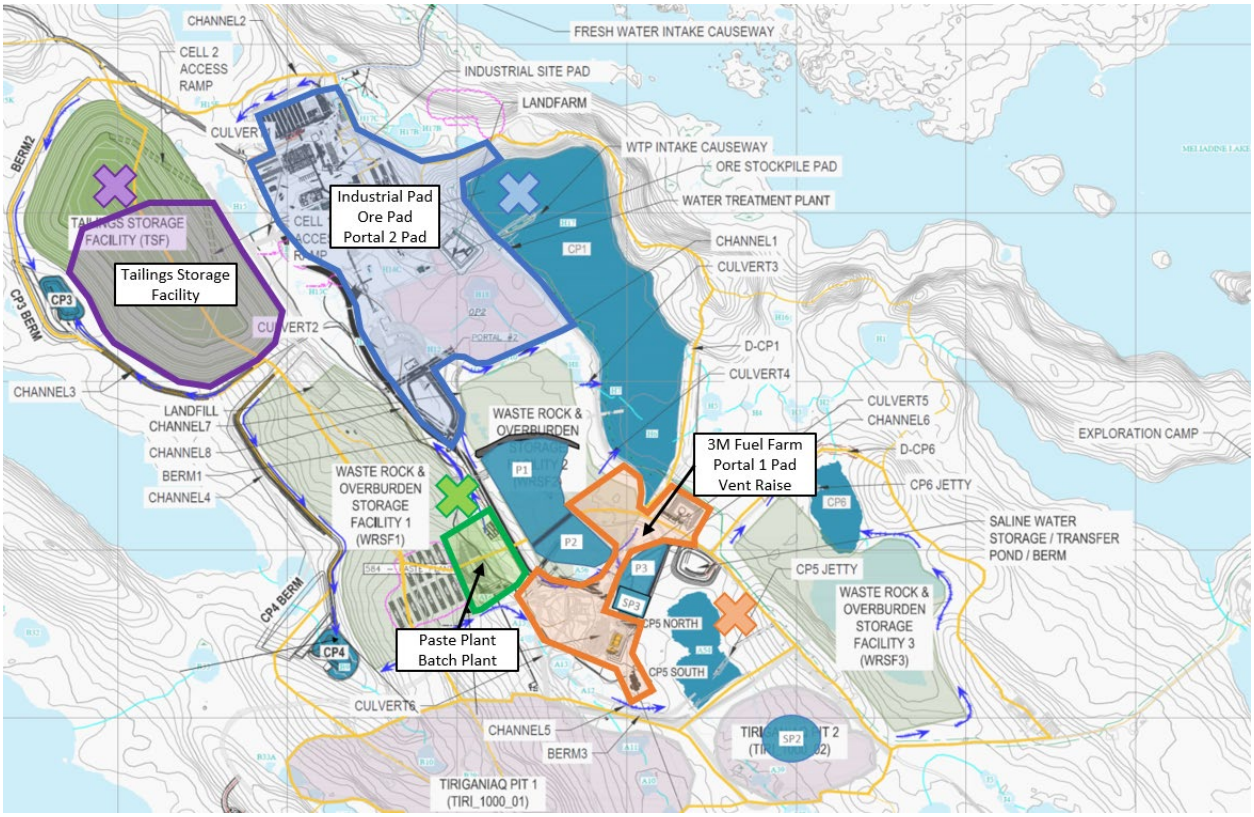


Figure 6: Snow Management Plan on Site.

Note: The locations identified by "x" are snow deposition areas for respective snow clearing areas (coloured polygon areas). Each snow clearing area and "x" are colour coded to identify where snow cleared from each area is deposited.

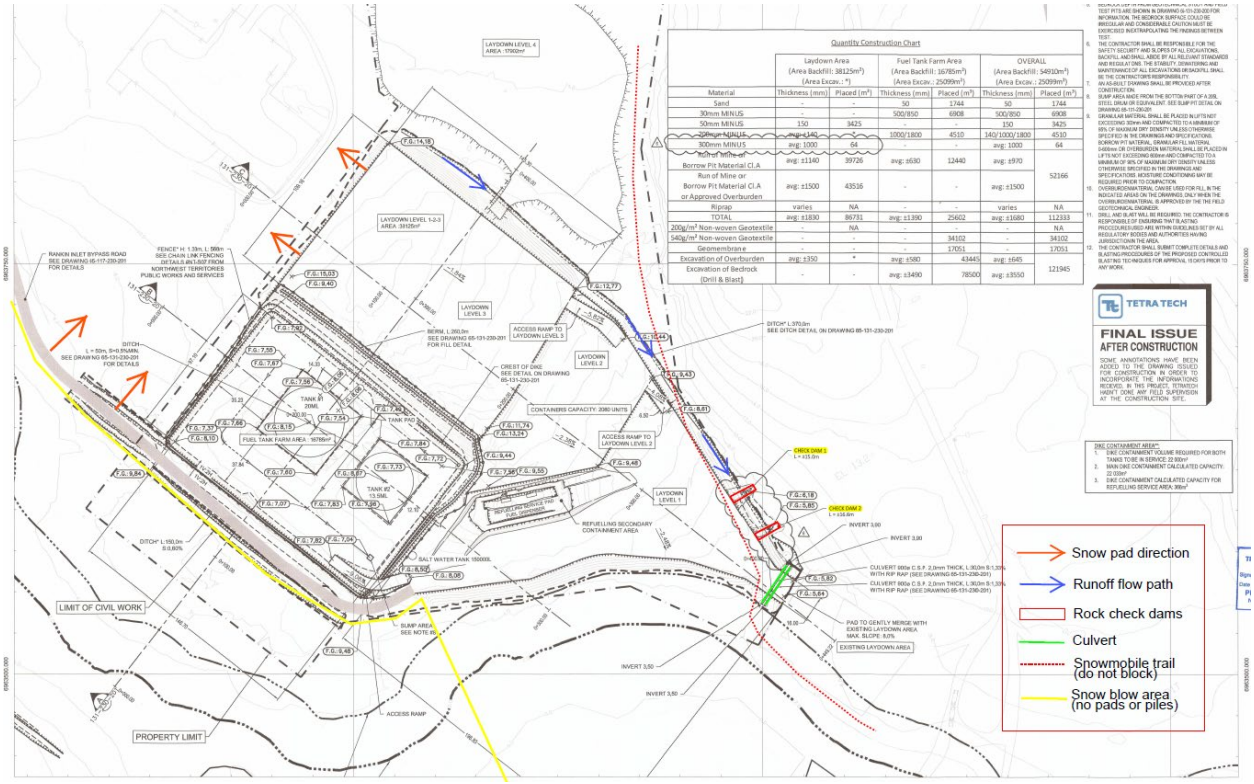


Figure 7: Itivia Snow Management Areas

SECTION 5 • REFERENCES

Agnico Eagle. 2019. Meliadine Gold Project: Landfarm Management Plan. Version 3. March 2019. 6513-MPS-15.

Tetra Tech. 2019. Construction summary (as-built) report for Rankin Inlet Itivia site fuel storage and containment facility Meliadine project, Nunavut. Amendment#01 to 6515-E-132-005-132-REP-015. September 2019.

APPENDIX A: FRESHET ACTION PLAN PROCEDURE

DOCUMENT ID: MEL-ENV-Freshet Management Plan Procedure	
People concerned: Agnico Eagle employees, contractors, visitors on the Meliadine site	**Effective Date: March 28, 2018**
This procedure corresponds to the required minimum standard. Each and everyone also have to comply with the rules and regulations of the Nunavut Government in terms of health and safety at work.	

Rev #	Date	Description	Initiator
1	2018-03-28	Change to Intelex Format	Matt Gillman
2	2018-12-14	Updated for 2019 Season	Matt Gillman
3	2019-03-12	Updated for 2019 Season, updated snow procedure spreadsheet to include D-CP5 and SP2	Matt Gillman
4	2020-03-17	Updated for 2020 Season, updated snow procedure to reflect current infrastructure, updated inspection frequencies	John Baechler Matt Gillman

Objective:

- To provide a plan to prevent potential environmental incidents at the Meliadine Site (Site) caused by the freshet season (Freshet) by recognizing specific areas for risk at the Site, possible actions to be undertaken and the departmental responsibilities to address the required actions.

Definitions (If applicable):

Tool/Equipment Required	PPE Required
• N/A	• N/A

Procedure					
Winter and Spring – Preparation Prior to Freshet[1]					***Risks/ Impacts***
Area for Risk		**Action**	**Responsible Department**	**Approximate Dates**	
P-Area	P1, P2 & P3	• Snow must not be stockpiled in any of the P-Area containment ponds	Environment to coordinate with Energy & Infrastructure, Engineering and Construction	All times	
AWAR, Bypass Road & CP3/CP4 Service Roads	Culverts	• Weekly Inspections	Environment	April - May	
	Major Crossings	• Snow and ice clearing[1], including ice and snow that may impede free water flow through culverts (including the culvert at Itivia) and at major water crossings • Effort is to be made to ensure road surface material is not removed during snow clearing. • Ensure snow is not stockpiled along roadside • Repairs (mark culvert locations, add armouring around downstream culverts and bridges, replace pipe as needed, and document maintenance and repairs) • Monitor signs of erosion (especially downstream at culverts 14.9 and 16 Km on AWAR) • Notify the Environmental Department about any areas for concern[2, 3]	Energy & Infrastructure	Winter Freeze to May (start of thaw)	
	Overall Roads				
Industrial Pad & Emulsion Pad	Culverts	• Inspection as needed and weekly from April - May	Environment		
	Channels and ditches	• Snow and ice clearing[1], including ice and snow that may impede free water flow through culverts and at major water crossings • Repair any erosion • Notify the Environmental Department about any areas for concern[2, 3]	Energy & Infrastructure		
	Access Road				
Quarries		• Snow and ice clearing[1], including ice and snow that may impede free water flow through culverts and at major water crossings • Re-grade disturbed areas to provide appropriate drainage	Construction Environment (for Sampling)	Winter Freeze to May (start of thaw)	

Tailings Storage Facility	• Culvert 1 (access road to TSF) will be cleared of snow and ice prior to freshet and will be monitored closely for TSS transport; • Snow that has accumulated on the TSF deposition surface will be removed prior to freshet to reduce snowmelt runoff and pooling (Section 4);	Energy & Infrastructure	Winter Freeze to May	

Note:
[1] See the *Snow Management Procedure* (Procedure No.: MEL-ENV-0017) for additional information for snow removal at the Site.
[2] The Environmental Department will assess the area of concern and action will be undertaken to comply with the Nunavut Water Board (NWB) Water Licence No.: 2AM-MEL1631 (Licence)(i.e. collect field parameters or water samples for analysis of total suspended solids, turbidity, or any deleterious substance).
[3] Areas of concern are defined as high water areas on roads, near the up gradient opening of a culvert, flowing water with sediment, spills, wildlife, etc.

Spring and Summer – During Freshet or During Heavy Rainfall				*Risks/ Impacts*
Area for Risk	**Action**	**Responsible Department**	**Approximate Dates**	
P-Area				
P1, P2, and P3	• Weekly visual inspection at minimum (daily as needed) • Daily monitor and record water levels • Weekly written inspection • Water sampling	Environment	May - October	
	• If water levels or structural integrity of berms are observed to be compromised, immediate action is required. Notify Supervisor	Engineering		
	• P2 and P3 water volume should be kept as minimal as possible. Pumping of this water should occur regularly (daily) • Measure and record pumping volumes daily and report to Environment weekly	Energy & Infrastructure		
Evaporators	• Commission after sub-zero temperatures no longer occur • Operate as efficient as possible	Energy & Infrastructure		
DP1 and DP3 Trenches /Seep	• Install pump and flow meter at trench to collect seep • Pump water to respective containment area (P1 or P3) • Measure and record pumping volumes daily and report to Environment weekly	Energy & Infrastructure		
AWAR, Itivia, Bypass Road, CP3/CP4 Access Roads				
Culverts	• Inspections for free flow water through culverts and major crossings, pooling water on road, and integrity of road and abutments (Weekly (minumum) or after heavy rainfall between May and October and daily during peak flow) • Sample as required[2]	Environment	May - October	
AWAR Major Crossings	• Snow and ice clearing[1], including ice and snow that may impede free water flow through culverts and at major water crossings • Repairs and erosion/sediment control implementation • Notify the Environmental Department about any areas for concern [2, 3]	Energy & Infrastructure Environment (for Sampling)		
Overall Roads and Itivia				
Quarries	• Repairs and erosion/sediment control implementation • Re-grade disturbed areas to provide appropriate drainage	Construction Environment (for Sampling)		

	• Notify the Environmental Department about any areas for concern [2, 3]		
Spring and Summer – During Freshet or During Heavy Rainfall			
Main Camp Pad/Industrial Pad			
Culverts	• Weekly inspections (at minimum; daily as needed) for free flow water through culverts and major crossings, pooling water on road, and integrity of road and abutments	Construction Environment (for Sampling)	May - October
Channels and Ditches	• Snow and ice clearing[1], including ice and snow that may impede free water flow through culverts and at major water crossings • Repairs and erosion/sediment control implementation • Notify the Environmental Department about any areas for concern [2, 3]	Construction Environment (for Sampling)	May - October
Access Road			
Infrastructure Pads			
Exploration Camp and Laydown	• Weekly visual inspection at minimum (daily as needed) • Water sampling as required • Installation of TSS mitigations as needed	Environment	May - June
Landfarm Structure	• Daily inspection of the landfarm retaining wall • Daily visual inspection for seepage • Collect a seepage water sample for hydrocarbon analysis. If seepage is present it should be immediately sampled and the seep be controlled. Whether by creating a sump and pumping back the water or by other methods.	Environment	
Landfarm	• Visually monitor excess water in containment area • Monitor seep (weekly) and collect water sample • Sample water according to the Licence	Environment	Mid-June and September
	• If excess water is present and cannot be treated immediately, sample in preparation for discharge to CP1		10 days prior to pumping
	• Once sample results have received, and if water is acceptable to be pumped to CP1 meets, water can be pumped to CP1 at a low flow to avoid erosion • Measure and record pumped volume	Energy & Infrastructure	Mid-June and September
Core Box Cemetery and Culvert	• Install straw wattles for sediment control on the other side of the road	Energy & Infrastructure	May
	• Weekly (at minimum; daily as needed) monitoring of TSS and turbidity and possible contaminant runoff	Environment	May - June
Emulsion Plant Pad	• Weekly Inspections • Water sampling of runoff as required for ammonia, nitrates, turbidity and TSS	Environment	May - June
	• Daily visual inspection for pooling water and water run off form pad to tundra, if noticed immediately contact environment department	Dyno Nobel	
Tailings Storage Facility	• Daily visual inspection for ponding and areas of elevated sediment transport;	Environment & Engineering	May - June

	• Weekly inspections carried out to identify areas of concern including issues of seepage, cracking, and ponding on the TSF and associated structures.			

Note:

[1] See the *Snow Management Procedure* (Procedure No.: MEL-ENV-0017) for additional information for snow removal at the Site.

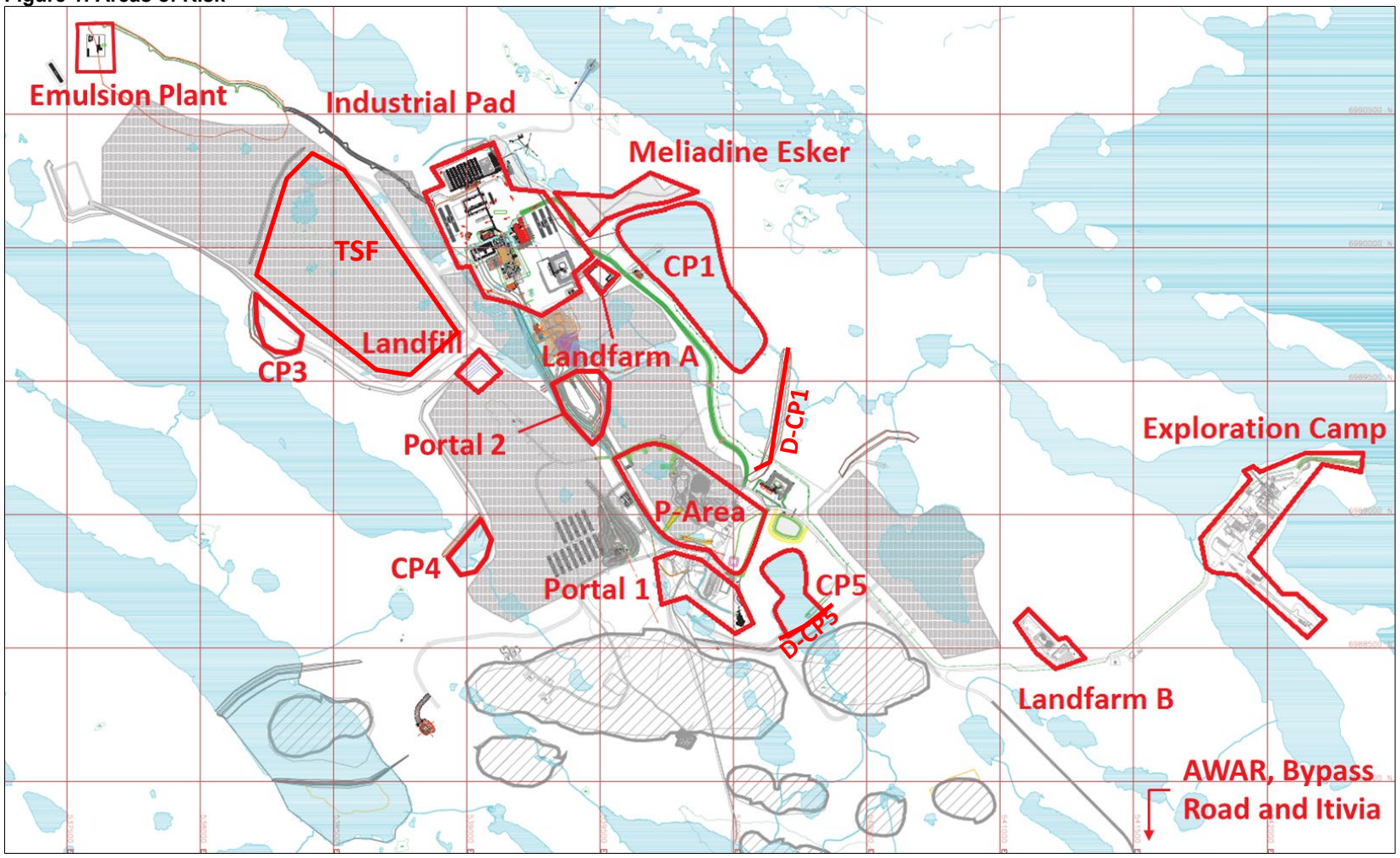
[2] The Environmental Department will assess the area of concern and action will be undertaken to comply with the Nunavut Water Board (NWB) Water Licence No.: 2AM-MEL1631 (Licence)(i.e. collect field parameters or water samples for analysis of total suspended solids, turbidity, or any deleterious substance).

[3] Areas of concern are defined as high water areas on roads, near the up gradient opening of a culvert, flowing water with sediment, spills, wildlife, etc.

Fall – Preparation Prior to Winter Freeze					*Risks/ Impacts*
Area for Risk		**Action**	**Responsible Department**	**Approximate Dates**	
LV50		• Survey water level and calculate water volume and provide to Environment, and/or • Measure and record flow meter volume prior to pumping and after pumping and provide to Environment • Remove pumps and prepare equipment for maintenance and winter storage	Mining	Prior to pumping to P2 (Late September)	
		• Pump to P2		Late September/Early October	
Lv75/Water Stope		• Pump to SP1, SP2 (pending approval), or SWTP		June - September	
P-Area	P2 and P3	• Pump water to P1 for active evaporation	Energy & Infrastructure	June - September	
	P1, P2 & P3	• Remove pumps and prepare equipment for maintenance and winter storage		At beginning of winter freeze	
	Evaporators	• Decommission for winter and prepare equipment for maintenance and winter storage		Prior to any sub-zero temperatures	
A8		• Move pump house/pump closer to Site		Late September	
CP1		• Water sampling	Environment	June - September	
		• Pump water to discharge at Meliadine Lake	Process Plant		
		• Remove pumps and prepare equipment for maintenance and winter storage		Late September/Early October	
Downstream D-CP1		• Pump water to CP1	Energy & Infrastructure	June - September	
		• Remove pumps and prepare equipment for maintenance and winter storage		Late September/Early October	
CP5/D-CP5		• Restrict vehicle access on D-CP5 to prevent instrument damage • Pump water to CP1/SWTP		Late September	
Downstream D-CP5		• Pump water to CP5		June - September	

	• Remove pumps and prepare equipment for maintenance and winter storage		Late September/Early October	
Saline Ponds	• Remove pumps and prepare equipment for maintenance and winter storage		First week of October	
Tailings Storage Facility	• Daily visual inspections for ponding and areas of elevated sediment transport; • Weekly inspections carried out to identify areas of concern including issues of seepage, cracking, and ponding on the TSF and associated structures.	Environment & Engineering	June - September	

Figure 1: Areas of Risk



Related Documentation (If applicable):
• 2018 Freshet Management Plan • MEL-ENV-0017 - Snow Management Procedure

References (If applicable):
• N/A

Authorization (Print Name)	
Approved: _____ Name JOHSC Worker Rep.	Date: _____
Approved: _____ Name Department Superintendent / Delegate	Date: _____
Approved: _____ Name Health & Safety Superintendent / Delegate	Date: _____

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APPENDIX B: SNOW MANAGEMENT PROCEDURE

This document is void 24 hours after printing

	DOCUMENT ID: MEL-ENV-PRO Snow Management
People concerned: Meliadine employees and contractors	**Effective Date: 21 December 2019**
This procedure corresponds to the required minimum standard. Each and every person must comply with the rules and regulations of the Nunavut Government in terms of health and safety at work.	

Rev #	Date	Description	Initiator
1	2018-03-28	Change to Intelex Format	Matt Gillman
2	2018-09-30	Updated for next season	John Baechler Matt Gillman
3	2018-10-11	Updated to include changes to snow management methods at Itivia, bypass road, CP3 and CP4 access roads, and Itivia Gas Boy.	Dan Gorton John Baechler
4	2019-12-17	Revised definitions, updated snow dump/pad location descriptions (table) and figure, removed P-Area snow dump, incorporated dust mitigation with TSF snow removal, updated Itivia snow managent figure with flow paths and check dams.	John Baechler

Objective:

The overall purpose of the snow management procedure (SMP) is to provide an outline for snow management that will assist with preventing adverse environmental impacts to the Meliadine Project (Site) and to mitigate risks from excess water during the freshet season (Freshet).

Definitions

Snow pad – A snow storage area where snow is flattened and compacted to promote sublimation, control runoff, reduce the formation of snowdrifts, and reduce the negative impact of snow melt.

Snow pile – A stockpile of snow that has not been further manipulated into a snow pad.

Negative impact of snow melt– High velocity runoff resulting in the transport of fine sediments or deleterious substances.

Tool/Equipment Required	PPE Required
• Snow blower • Shovel and haul truck • Grader	• Standard site PPE

Specific Training Requirements
• Equipment operator training

Procedure

Snow Removal at Meliadine Site

1. Prior to starting any snow removal, supervisors and equipment operators must discuss a removal plan based on the criteria outlined in this procedure.
2. If uncertain, supervisors or equipment operators must receive authorization from the Environment Department prior to moving snow to a non-designated area.
3. If snow is contaminated with a deleterious substance, snow removal should stop immediately to avoid the spread of contamination, and the steps outlined in the Spill Contingency Plan for Spills on Snow and Ice must be followed.
4. Supervisors must determine if the snow receiving location is:
   - Safe for the equipment operators;
   - Outside of a 31 m buffer zone around any water body;
   - A designated snow storage area;
   - A safety sensitive area.
5. Designated snow storage areas are as follows (see Figure 1 in the Appendices):

Snow Removal Area	Designated Snow Storage Area
Main Camp, Industrial Pad, Ore Pad, 6 Million Fuel Farm, Portal 2 Pad, Crusher Pad	Snow to be transported and dumped into a snow pile in the north end of CP1, not requiring further manipulation into a snow pad.
Tailing Storage Facility	Snow to be transported to the north end of the TSF and formed into wind breaking berms, running east-west, for TSF dust mitigation.
Paste Plant, Batch Plant	Snow to be transported immediately north of the Batch Plant and maintained as a snow pad.
3 Million Fuel Farm, Portal 1 Pad, Vent Raise, SWTP/SETP Pad	Snow to be transported to CP5 and maintained as a snow pad.

6. Snow piles are not authorized on the sides of any roadways, including the East Access Road, West Haul Road, CP3 Road, CP4 Road, All Weather Access Road (AWAR), Exploration Camp Road, or Bypass Road. Snow removed from roadways must be blown, or maintained as a snow pad next to the road.
7. The Fuel Farms, Gas Boy, Landfarm, and Itivia Diesel Tanks are safety sensitive areas. The valves and piping/hosing must be protected and available for inspection at all times. Snow must not be removed with a snow plow or heavy equipment.
8. Snow accumulated in Channels 1, 2, 3, 4, and 5 must be left to melt at freshet, as the use of snow removal or plow equipment can damage the synthetic channel liners.
9. A level snow pad may be created over the tundra provided that:
    - Clean snow is used for the pad construction;
    - The surface is cleaned after use;
    - Is not obstructing existing culverts, structures, or roadways.
10. Snow piles areas are not authorized at the Exploration Camp. Snow must be maintained as a snow pad to reduce the formation of snowdrifts and the negative impact of snowmelt at freshet (Figure 2).
11. Snow between the Main Camp dormitory wings must be removed to mitigate drifting against

the wings, which creates confined space under the camp and wildlife habitats (Figure 3).

12. Snow removed by Contractors at their designated worksite will be stockpiled at the worksite and subsequently removed by the Site Services department.

Snow Removal at Itivia Site

1. Snow piles are not authorized at the Itivia Laydown. Snow at the Laydown must be maintained as a snow pad. The existing ATV/snowmobile trail must not be blocked by snow removal (Figure 4).
2. Snow along the bypass road must be removed by blowing. Sand will not be used along the Bypass road as the blown snow must be clean and free of debris.
3. Snow removal from the Itivia Diesel Tank Farm secondary contaminant area must not be done using heavy equipment as to not damage the installed synthetic liner.
4. Snow accumulated in the Gas Boy secondary containment is to be removed using suitable equipment, to maintain capacity for fuel spill mitigation. Diesel contaminated snow will be disposed of appropriately at the snow cell or landfarm.

Appendix:

Figure 1: Authorized Snow Removal and Snow Storage Areas

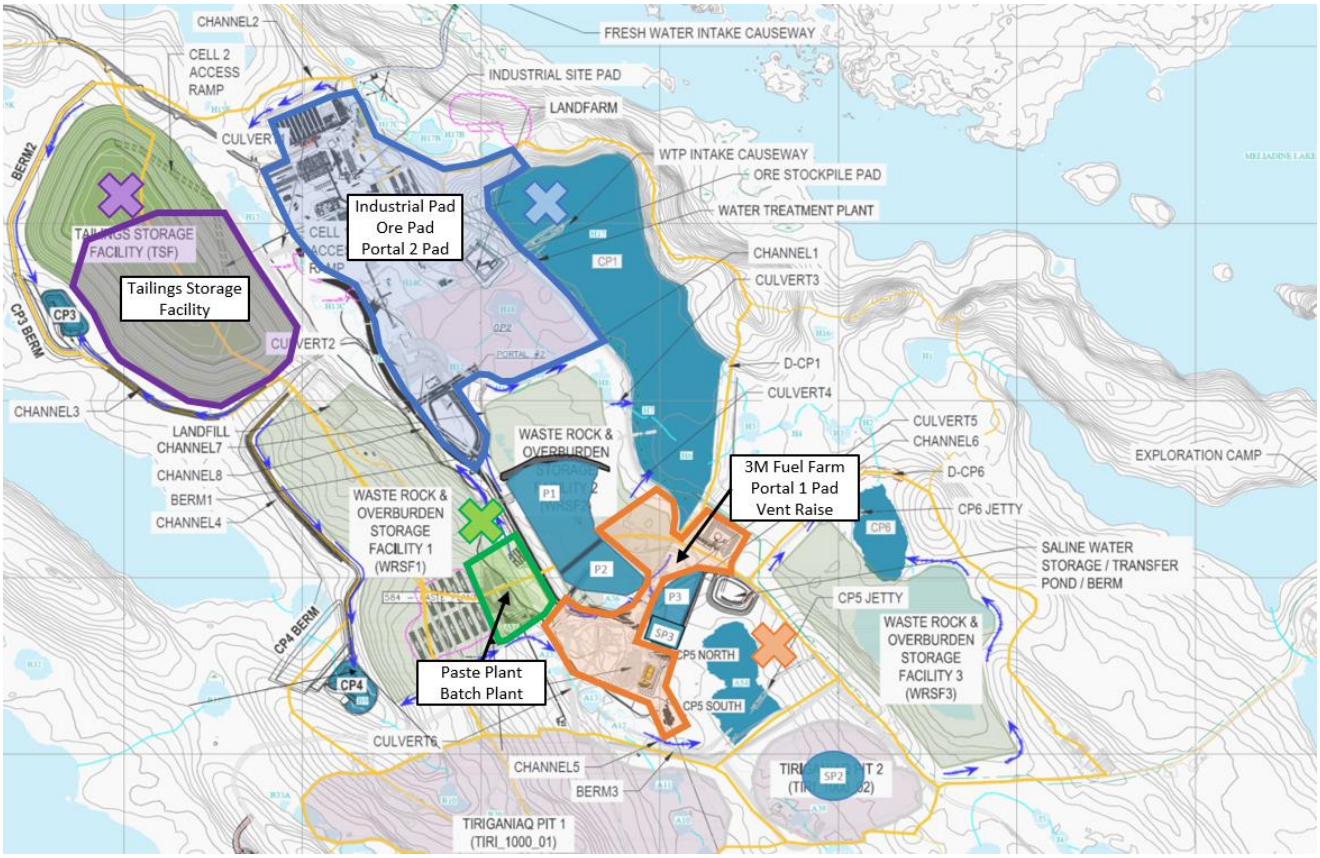
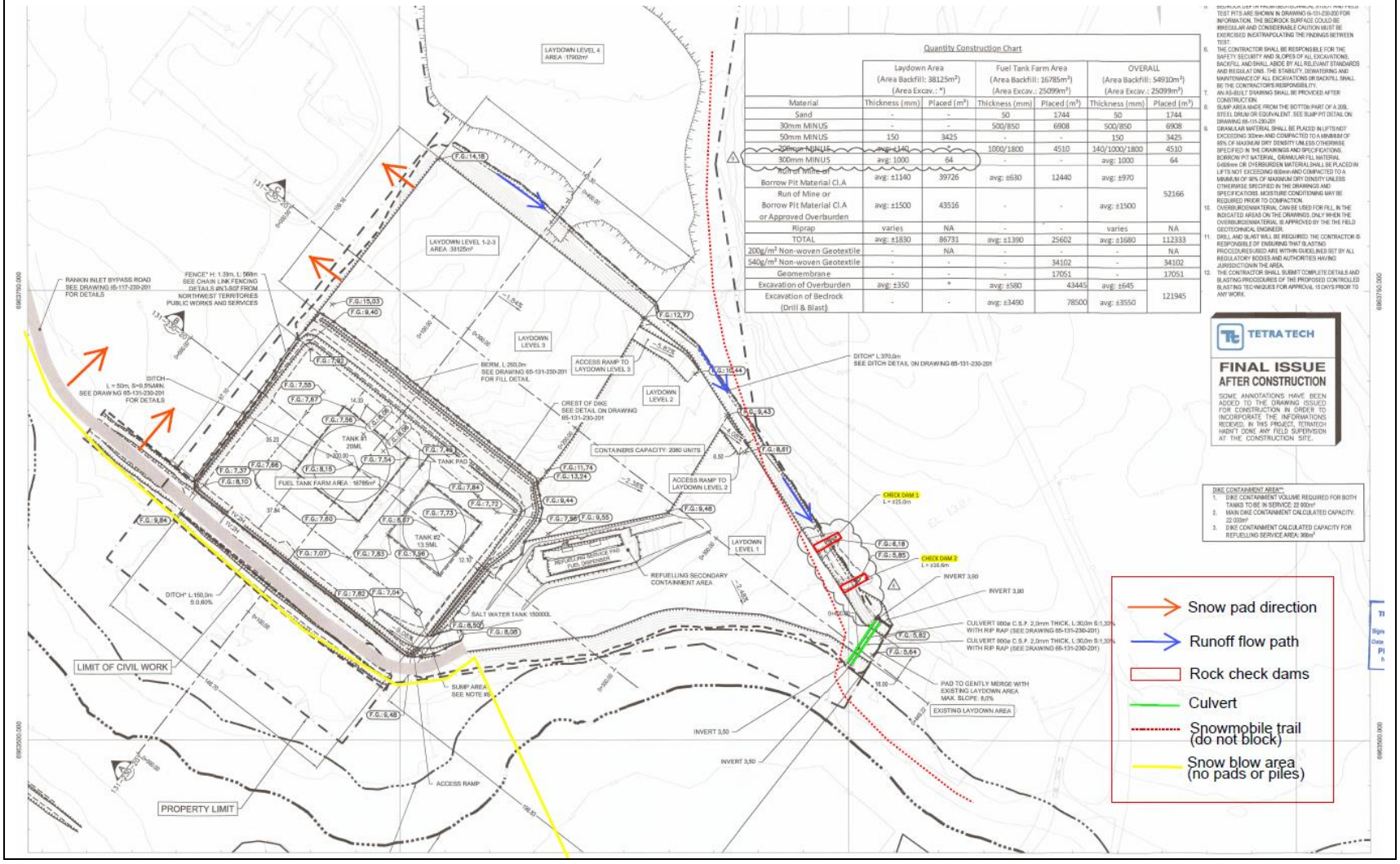


Figure 2: Exploration Camp Snow Pad Area and No Plow Zone Example

Figure 3: Snow removal from between camp accommodation trailers

Figure 4: Itivia Snow Pad Area and ATV Access Trail



Authorization (Print Name)	
Approved: _____ Name JOHSC Worker Rep.	Date: _____
Approved: _____ Name Department Superintendent / Delegate	Date: _____
Approved: _____ Name Health & Safety Superintendent / Delegate	Date: _____

APPENDIX C • SEDIMENT AND EROSION MANAGEMENT PLAN

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Meliadine Division

Sediment and Erosion Management Plan

DECEMBER 2022
VERSION 4_NWB

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EXECUTIVE SUMMARY

This document presents the Sediment and Erosion management plan (the Plan) at the Meliadine Gold Mine. The purpose of this Plan is to provide consolidated information on the management and monitoring of potential areas subjected to erosion. This is accomplished by reviewing the potential effects of total suspended solids (TSS) and turbidity, the Federal guidelines and the license requirements, followed by the periods and types of activities subjected to erosion, and the specific monitoring and mitigating measures.

General findings on the effects of TSS on fish and fish habitat have been listed, such as sublethal and lethal effects on fish and their eggs. Federal TSS Guidelines have been cited, distinguishing the short-term and long-term exposure thresholds. Turbidity guidelines are also discussed in the present document. The Plan presents the monitoring and mitigating actions related to three (3) specific periods of activity: Periods of construction near water – during construction and operation; periods of freshet or significant runoff events – during construction, operation and closure; periods of potential impact to waterbodies – during operation. The proposed monitoring and mitigating measures are discussed for those periods of activity.

DOCUMENT CONTROL

Version	Date (YM)	Section	Page	Revision
1	March 2019	All		Comprehensive plan
2	March 2020	2.3 3.3	5 7	Updated to include TSS guidelines for MEL-14 Monitoring Program Station Updated mitigation measures to include check dams
3	March 2021	2.2.1	4	Updated Table 2.1
4_NIRB	November 2021	All	-	Updated to address Meliadine Extension application submission to NIRB for review and approval
4_NWB	December 2022	n/a	n/a	Submitted to Nunavut Water Board as part of the Meliadine Extension Amendment. Only updates made between v4_NIRB and v4_NWB are the date of plan on the cover page and footers

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Acronyms

Agnico Eagle	Agnico Eagle Mines Limited – Meliadine Division
CCME	Canadian Council of Ministers of the Environment
DFO	Fisheries and Oceans Canada
NIRB	Nunavut Impact Review Board
NTU	Nephelometric Turbidity Units
NWB	Nunavut Water Board
Plan	Sediment and Erosion Management Plan
TSS	Total Suspended Solids

UNITS

h	hour
km	kilometre
km^2	square kilometre
mg/L	milligram per litre

SECTION 1 • INTRODUCTION

Agnico Eagle Mines Limited (Agnico Eagle) is operating the Meliadine Gold Mine, located approximately 25 kilometres (km) north of Rankin Inlet, and 80 km southwest of Chesterfield Inlet in the Kivalliq Region of Nunavut.

Agnico Eagle is currently proposing the Meliadine Extension to include several other pits and underground mining operations. This would extend the life of mine until the year 2043, followed by closure and post-closure phases. The same management strategy for sediment and erosion control would be used as per the conditions of the Project Certificate and Water Licence.

This document presents the Sediment and Erosion Management Plan (the Plan). The purpose of this Plan is to provide consolidated information on the management and monitoring of potential areas subjected to erosion. This is accomplished by presenting first a review of the potential effects of total suspended solids (TSS) and turbidity, the Federal guidelines and the license requirements, followed by the periods and type of activities subjected to erosion, and the specific monitoring and mitigating measures.

As per Nunavut Impact Review Board (NIRB) Meliadine Project Certificate No.006 Condition 28, the Sediment and Erosion Management Plan should be developed to prevent or minimize the effects of destabilization and erosion that may occur due to Project activities. The plan should also detail sediment control plans to prevent and/or mitigate sediment loading into surface water within the Project area.

The objectives of the plan are:

- To prevent the release of sediment into streams and waterbodies during construction activities;
- To reduce and mitigate erosion and the release of sediment during operations activities;
- To specify erosion and sediment control measures that, if implemented and maintained, will help Agnico Eagle maintain compliance with the Federal *Fisheries Act*, specifically with Section 36(3) of the Act, which prohibits the deposition of deleterious substances into waterbodies frequented by fish; and
- To provide references to approvals, relevant standards, control plans and procedures for training, communications, investigation and corrective action, and audits that are required under the Project Agreement.

SECTION 2 • TOTAL SUSPENDED SOLIDS/TURBIDITY EFFECTS, FEDERAL GUIDELINES AND LICENSE REQUIREMENTS

2.1 Effects of Total Suspended Sediments on Fish Habitat

Suspended sediments, and associated effects on water clarity, have the potential to affect fish and fish habitat in a variety of ways, including but not limited to:

- Smothering of deposited eggs or siltation of spawning habitats;
- Smothering of benthic invertebrate communities;
- Decreased primary productivity caused by reduced light penetration;
- Reduced visibility, which may decrease feeding efficiency and/or increase predator avoidance; and
- Clogging and abrasion of gills.

Moreover, the general findings for effects of TSS on fish and fish habitat indicate the following:

- Effects of TSS depend on both the concentration of TSS and duration of exposure;
- Effects of TSS can also be influenced by the size and shape of suspended particles;
- Lethal concentration of TSS on fish over acute exposure ranges from hundreds to hundreds of thousands of mg/L;
- Sublethal effects on fish (reduced growth, changes in blood chemistry, histological changes) associated with chronic exposures tend to be exhibited at TSS concentrations ranging from the tens to hundreds of mg/L;
- There is considerable uncertainty about potential effects of low TSS concentrations over long time periods;
- Overall, the most sensitive group of aquatic organisms to TSS appears to be salmonids, and guidelines are developed to protect this group;
- Adult salmonids are generally more sensitive to short durations of high concentrations of suspended sediments than juvenile salmonids; and
- Low suspended sediment levels are known to cause egg mortality (40 %) to rainbow trout at long durations (7 mg/L at 48 days). Guidelines for long-term exposure reflect these findings.

More details can be found in the report from Fisheries and Oceans Canada (DFO) on the effects of sediments on fish and their habitat (Fisheries and Oceans Canada, 1999).

2.2 Federal Guidelines

2.2.1 TSS Guidelines

The Canadian Council of Ministers of the Environment (CCME) specifies separate guidelines for TSS for clear and high flow periods. The guidelines are derived primarily from Caux *et al*. (1997), with application intended mainly for British Columbia streams. In the case of the application to the Meliadine Project lakes, the clear flow guidelines would be most relevant; even during freshet. The

lakes would not expect to see large natural fluctuations in TSS except in localized areas for short periods.

The guidelines put forth by the CCME recognize that the severity of effects of suspended sediments is a function of both the concentration of suspended sediments and the duration of exposure. Guidelines are intended to protect the most sensitive taxonomic group and the most sensitive life history stages.

Table 2.1 CCME National Guidelines and MDMER Legislated Standards for TSS

Source	Short-Term Exposure	Long-Term Exposure
CCME (1999, updated 2002)	Anthropogenic activities should not increase suspended sediment concentrations by more than 25 mg/L over background levels during any short-term exposure period (e.g., 24-h).	For longer term exposure (e.g., inputs lasting between 24h and 30 days), average suspended sediment concentrations should not be increased by more than 5 mg/L over background levels.
MDMER 2002, last amended December 2021	Maximum authorized concentration in a composite effluent sample = 22.5 mg/L. Maximum authorized concentration in a grab sample of effluent = 30 mg/L.	Maximum authorized monthly mean effluent concentration = 15 mg/L.

2.2.2 Turbidity Guidelines

Turbidity guidelines put forth by the CCME (1999) are based on extrapolation from the TSS guidance above, adjusted by a factor of about 3:1 (a typical average ratio for TSS: turbidity). In the case of turbidity for clear water, CCME (1999) recommends a maximum increase of 8 Nephelometric Turbidity Units (NTU) from background levels for a short-term exposure (e.g., 24-hour period), and a maximum average increase of 2 NTU from background levels for a longer term exposure (e.g., 30-day period).

CCME (1999) notes that in some cases short-term resuspension of sediments and nutrients in the water column can augment primary productivity, and in other cases, changes in light penetration may be inconsequential if a system is limited by other factors such as nutrients. The Caux *et al*. (1997) study considered effects of suspended sediment not only on fish but also on algae and zooplankton. In summary, the recommendations put forth by Caux *et al*. (1997) are based mainly on the most sensitive taxonomic group, which is salmonids.

However, research has shown that widespread, chronic turbidity can result in reduced light penetration and subsequent reductions of primary productivity (Fisheries and Oceans Canada, 1999; Canadian Council of Ministers of the Environment, 1999; Lloyd, Koenings, & Laperriere, 1987). Consequently, water clarity is of concern at broader spatial scales and longer time frames. It should be noted that DFO's report on effects of sediment on fish and their habitat (DFO, 1999) endorses the guidelines for TSS put forth by the CCME (1999), but does not recommend following guidelines for turbidity. Rather, turbidity may be used as a surrogate for suspended sediment only when the relationship between the two parameters is established for a particular waterbody.

2.3 Licence Requirements for the Protection of Fish and Fish Habitat at Meliadine

The Nunavut Water Board (NWB) Type A Water Licence for the Meliadine Project includes:

All surface runoff and/or discharge from drainage management systems, at the Monitoring Program Stations MEL-SR-1 to MEL-SR-TBD referred to in Part I, Item 11, during the Construction/Operation of any facilities and infrastructure associated with this project, including laydown areas and All Weather Access Road, where flow may directly or indirectly enter a water body, shall not exceed the Surface Runoff and Discharge from Drainage Management Systems quality limits in Table 2.2.

Table 2.2 Surface Runoff and Discharge from Drainage Management Systems Quality Limits

Parameter	Maximum Average Concentration	Maximum Concentration of Any Grab Sample
Total Suspended Solids (TSS) (mg/L)	50.0	100.0
Oil and Grease	No Visible Sheen	No Visible Sheen
pH	Between 6.0 and 9.5	Between 6.0 and 9.5

Additionally, the discharge of effluent from the Final Discharge Point at Monitoring Program Station MEL-14 directed to Meliadine Lake through the Meliadine Lake Diffuser shall not exceed the following TSS concentrations, in accordance with the requirements of the Type A Water License (Part F, Item 3) and MDMER (see Table 2.1 above):

- Maximum monthly mean effluent concentration: 15 mg/L;
- Maximum concentration of any grab sample of effluent: 30 mg/L.

SECTION 3 • SEDIMENT AND EROSION MONITORING AND MITIGATION

3.1 Sediment and Erosion during Specific Periods

The purpose of the Plan is to ensure that Agnico Eagle will successfully monitor signs of sedimentation and erosion and minimize its resulting effects. This plan presents the monitoring and mitigating actions related to three (3) specific periods of activity for Meliadine:

- Periods of construction near water – during construction and operation;
- Periods of freshet or significant runoff events – during construction, operation and closure; and
- Periods of potential impact to waterbodies – during operation.

The construction of water management infrastructure could potentially lead to excess TSS. Therefore, erosion control methods must be considered during construction of water management infrastructure. In addition, erosion control must be considered during any dewatering activity.

The freshet season at Meliadine occurs approximately from mid-May until the end of June. In addition, there can be periods of high water flow due to rainfall events from late May – early October. As most site construction has been completed at the Meliadine site there are new areas and infrastructure that have become potentially vulnerable to excess water during the freshet season and in response to rainfall, such as, but not limited to:

- Culverts and other water management infrastructures;
- Newly constructed embankments, such as roads and berms;
- Water channels; and
- Surface runoff.

Water transfer and water discharge during operation can also lead to erosion and sedimentation.

3.2 Erosion and Sediment Monitoring

To monitor potential erosion and sedimentation, smaller water management infrastructure such as culverts, cross drains, surface runoff and ditches are inspected up to daily during freshet (minimum of weekly), on a monthly basis thereafter and daily after significant rain events. Larger culverts and bridges are inspected more often if they represent a risk for daily operations, for the receiving environment or for the health and safety of workers. More specifically, the following aspects are monitored during visual inspections:

- Accumulation of debris near the inlet of the crossings, impeding the free flow of water at those locations;
- Bed erosion upstream and downstream of watercourse crossing structures;
- Scour under bridge abutments and abutment foundations; and
- Erosion along cutslopes and fillslopes of embankments (rill and gully erosion), etc.

Newly excavated channels are inspected on a regular basis and after significant rain events. Erosion signs along the channel flow are monitored and documented. Inspections are carried out during the spring when surficial ice moves towards the inlet of the diversion channels to ensure that no ice

blockage causes water buildup upstream of the channel, which could lead to subsequent erosion problems. It is important to develop a database to determine if adverse trends are occurring. If adverse trends are observed, then mitigation will be undertaken to prevent a major incident.

The frequency of water and turbidity sampling are in accordance with the requirements of the Type A Water License and MDMER. The frequency will be increased if required during the freshet season or during heavy rainfall events. Procedures for turbidity monitoring include:

- Collection of water at the site of sediment entrance (exposure), and at a reference site (i.e., in the same watercourse/waterbody in an area unaffected by the sedimentation [upstream, at least 50 m away where water does not appear to be impacted]).
- Analyze samples for turbidity using a field turbidity meter and compare the exposure sample to the reference sample.
- If the exposure sample results are higher than the reference then mitigation will be undertaken (i.e., installation of silt fencing, silt barrier booms, etc.) to prevent any impact to watercourses.

If Agnico Eagle is actively working in an area with elevated turbidity – the work will stop until the level of clarity returns to an acceptable level.

Monitoring will be documented with site photographs and inspection forms.

3.3 Mitigation Measures

The following mitigation measures could be used, if required, to reduce risks associated with erosion and sedimentation.

- Riprap or clean non-acid generating/non-metal leaching rockfill could be used to armor shorelines, bridge abutments, culverts inlets and outlets and toe berms;
- Ditches managing high volumes of water could be armored for erosion control and reduce the speed of water flow;
- Sedimentation basins could be constructed at sensitive locations to allow settlement of finer sediments;
- Check dams could be constructed in areas of sustained high levels of TSS to mitigate transport of TSS downstream;
- Ditches, culverts and other water crossing structures should be maintained free of debris to allow free flow of runoff water;
- Installation of erosion control material such as turbidity barriers, silt curtains or straw booms;
- Site-specific erosion issues may arise during the mine operation that require specific local corrective actions;
- In-stream construction during periods when streams are expected to be dry or frozen to the bottom (i.e., during winter or fall). Isolation methods will be used for work below the high water mark for streams with flowing water at the time of construction;

- Materials installed below the high water mark (i.e., riprap) will be cleaned prior to installation to avoid adding deleterious substances to watercourses. Where concrete is installed, it will be allowed to cure fully prior to installation;
- Riparian areas will be maintained whenever possible to minimize erosion and impacts to fish habitat, with vegetation removal limited to the width of the workspace footprint. Disturbed areas along the streambanks will be stabilized and allowed to re-vegetate upon completion of work to minimize future erosion;
- Debris and excess materials resulting from construction will be removed from the work site to prevent them reaching water bodies; and
- When using equipment that creates tracks on the surface, run the equipment slowly to create grooves running perpendicular the slope and not parallel to the slope. This type of texture on slopes can slow the speed of runoff and reduce the amount of erosion and sediment transported downhill. This method must also be combined with an additional method of catching sediment at the base of the slope, such as a silt fence, straw log, etc.

SECTION 4 • REFERENCES

Canadian Council of Ministers of the Environment. (1999). *Canadian Water Quality Guidelines for the Protection of Aquatic Life - Total Particulate Matter.* (Updated 2002).

Caux, P. Y., Moore, D. R., & MacDonald, D. (1997). *Ambient water quality guidelines for turbidity, suspended particles and benthic sediments - technical appendix.* Prepared for BC Ministry of Environment, Lands and Parks.

Fisheries and Oceans Canada. (1999). *The Effects of Sediment on Fish and their Habitat.* Research Document 99/139.

Government of Canada. (2002). *Metal Mining Effluent Regulations.* SOR/2002-222. Minister of Justice of Canada. Current to February 8, 2022, last amended on December 1, 2021.

Lloyd, D. S., Koenings, J. P., & Laperriere, J. D. (1987). Effects of Turbidity in Fresh Waters of Alaska. *North American Journal of Fisheries Management, 7*(1), 18-33.

APPENDIX D • WATER QUALITY AND FLOW MONITORING PLAN

AGNICO EAGLE

Meliadine Gold Mine

Water Quality and Flow Monitoring Plan

DECEMBER 2022

VERSION 4_NWB

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ᓴᓗᑭᑦ (ᔪᓕᐃ) 2022-ᒥᑦ, ᐊᓗᓂᓂᔨᑦ ᑐᓂᓯᓕᐅᖅᑐᑦ ᐊᐸᑎᓕᓚᔭᓂᔨᓐᓄᑦ ᑭᖓᔪᓕᖅᕿᖅ ᐊᐸᑎᑎᑲ ᐊᓂᑐᖅᓯᓂᕐᒧᑦ ᑎᑎᖅᑲᒪᑦ ᐃᓕᓴᐅᔪᓯᒪᔪᑲᑦ ᑕᓯᖏᕐᕋᖅᑕᑦ ᐅᐃᒍᑎᐊᖅᓯᓂᕐᒧᑦ, ᒧᓕᓐᓄᑦ.

ᑕᐃᒪᓐᓇᓂᑦ ᐊᐸᑎᓕᓚᔭᓂᔨᑦ ᓇᓗᒪᑕᓕᐅᖏᒪᒍ 2015-ᒥᑦ ᐊᓗᒪᓗ ᑎᑭᐅᑎᓂᓐᓇᓄᑦ ᐊᐅᓪᓛᖏᓂᓐᓇᓄᑦ ᐅᓴᖅᑕᕆᐊᖅ, ᐊᓕᓂᔨᑦ ᐅᐃᒍᑎᐊᖅᓯᓴᖅᑕᖅᑐᖅ ᖃᐅᔨᒪᓂᓐᓂᔨᓂᑦ ᖃᐅᔨᓇᓂᑦ ᑕᓯᖏᕐᕋᐸᑦ ᖃᓂᖅᓴᐃᓚᖅᓂᖅᖃᑦᑕᖅᓴᑎᓕᑦ. ᑕᐃᒪᓕᓇᒧᑦ, ᐱᐅᓯᑎᐊᖅᓯᒪᔪᖅ ᐅᓴᖅᑕᕆᐊᖅᓯᒧᑦ ᐸᖏᓐᓄᑦ, ᐊᑕᐅᑦᑎᓂᔨᑦ ᑕᐃᔨᐅᔪᖅ ᑕᓯᖏᕐᕋᖅᑕᑦ ᐅᐃᒍᑎᐊᖅᓯᓂᖅ-ᒥᑦ, ᑐᓂᓯᑎᐅᑕᐅᔪᖅ. ᑕᓯᖏᕐᕋᖅᑕᑦ ᐅᐃᒍᑎᐊᖅᓯᒪᔪᖅ ᐅᐃᒍᑎᐊᖅᓯᓂᐊᖅᑐᖅ ᐊᐅᓪᓛᖏᓂᓐ ᐅᓴᖅᑕᕆᐊᖅ 2032-ᒥᑦ 2043-ᒧᑦ ᐊᓗᒪᓗ ᐃᓕᓯᓗᑎᓂ ᓄᓇᐅᐸᑦ ᐃᓗᐊᓂᓐ ᐅᓴᖅᑕᖅᓯᖏᓂᑦ ᓇᓗᒪᓕᕐᔪᐅᓂᓯᓯᒪᔪᑲᑦ ᐅᐊᖏᑎᐊᓪᓚ (Wesmeg), ᐸᒻᐸ (Pump), F Zone, ᑎᑦᑲᐅᒥᑦ (Discovery) ᐊᓗᒪᓗ ᑎᓚᑦᓂᓂᐊᖅᑎᑦ-Wolf ᐃᓂᐅᔨᓂᑦ.

ᐅᓴᖅᑕᕆᐊᖅᑎᑦ ᐱᓭᓕᓚᓂᖅ ᑕᓯᖏᕐᕋᖅᑎᑦ ᐅᐃᒍᑎᐊᖅᓯᓂᖅᑎᑦ ᐃᓕᐅᓂᐊᖅᑐᑦ ᐊᖏᑎᓕᑦᑐᐊᖅᓯᓂᖅ ᖃᒪᑲᑎᑦᑐᓄᓐ ᑐᓂᖅᓯᖏᓪᓕᐊᓂᑦᑕᖅᑐᑦ (TSF), ᐊᐸᑕᑯᖅᑕᐅᔨᑦ ᐅᓴᖅᖃᓄᑦ ᑐᖅᖃᖅᓯᓯᒪᔭᖏᓂᑦ (WRSFs), ᐃᒪᓕᓇᔭᖏᑦᑎᑦ, ᐊᓗᒪᓗ ᖃᓄᖅᑎᑦᖁᓗᑐᑦᑕᓕᓇᔭᖏᑦᑎᑦ ᐃᑲᔨᓂᐊᖅᑐᑐᖅᑐᓄᑦ ᓄᓇᑦ ᐅᐸᖃᐃᖏᓐᓇᑦ ᐊᓗᒪᓗ ᓄᓇᐅᐸᑦ ᐃᓗᐊᓂᑦ ᐅᓴᖅᑕᑦᓂᐅᔨᓂᑦ 20 ᐅᑭᐅᑦ ᐅᖏᓪᓗᓄᑦ ᐅᐊᓯᓂᖅᓯᖏᓂᑦ ᐅᓴᖅᑕᕆᐊᖅᑎᑦ.

ᐃᓕᐅᑦ ᖃᓄᐃᓂᓂᖏᓂᑦ ᐊᓗᒪᓗ ᑯᐃᓚᑦ ᖃᐅᔨᓴᐃᓂᑦᑎᑦ ᐸᖓᓄᐅᑎ (ᐸᖓᓄᐅᑎ) ᐱᓕᕆᐊᖏᓪᓕᐅᖅᑐᖅ ᒪᓕᒃᓴᓕᑦ ᐱᓴᕆᐊᖅᑲᖅᑕᑦ ᓇᓗᓕᐊᖅᓯᒪᔪᖅ Type A ᐁᖅᖢᑎᐊᖅᓯᒪᔪᖅ ᐃᓕᖓᑦ ᓕᐃᓴᓐᓂ 2AM-MEL1631 (ᓕᐃᓴᓐᓂ). ᐸᖓᓄᐅᑎᒋᑕᑦ *ᐃᓕᖏᑦ ᖃᓄᐃᖏᓕᓕᖅᑎᓂᓯᓂᖅ ᐊᐅᓪᓕᓂᑦᑎᑦ ᑐᓂᖅᓴᖅᑲᖅ* (AEMP) ᐊᓗᒪᓗ ᖃᓄᑕᑎᐊᖏᓂᑦ ᐃᓕᑎᐅᔨᓂᖅ *ᐃᓕᖏᑦ ᐊᐅᓪᓕᓂᑦᑎᑦ ᐸᖓᓄᐅᑎ ᐊᓗᒪᓗ ᓴᐃᔪᓴᓂᑦ ᐊᓗᒪᓗ ᓂᓀᔨᓂᑦ ᐅᓴᖅᑕᕆᐊᖅᑎᑦ ᑯᐃᓕᐅᓂᑦᑕᓂᑦ ᒪᓕᓂᕆᓂᑦ (MDMER).*

ᐃᓕᑎᐅᔨᓂᖅ 2 ᐸᖓᓄᐅᑎᑦ ᐃᓕᐅᔨᑦ ᑕᒪᓗᑦᑕᒥᑦ ᖃᒥᖓᕐᓂᖅ ᖃᐅᔨᑎᐊᖅᑕᑦᑕᖓᓕᑦ ᑐᑭᖓᓚᔨᓂᑦ ᐊᓗᒪᓗ ᐅᓴᖅᑕᕆᐊᖅᑎᑦ ᐱᓭᓕᐊᖅᓯᓕᑦ ᖃᖓᓚᑲᑦ ᖃᐅᔨᑎᐊᖅᑕᑦᑕᖓᓕᑦ ᑐᑭᖓᓚᔨᓂᑦ, ᐃᓕᐅᑎᑎᓂᖅ 3 ᑕᑯᓴᐅᑎᑦᑎᔨᖅ ᐱᔨᔨᑎᖃᖅᑐᓂᑦ ᓇᓗᓇᐃᓴᐅᑎᓂᑦ (ᐃᓕᐅᑦᓗᓂ ᐅᑦᑐᕆᐃᓂᑦ ᐃᓂᓂᑦ ᐊᐅᓪᓕᓂᑦᑎᑦ ᐅᖓᓕᖅᑕᐅᓂᐊᖅᑐᖅᑐᓄᑦ) ᒪᓕᒃᑕᐅᓂᖓᓄᑦ ᖃᐅᔨᑎᐊᖅᑕᑦᑕᖓᓕᑦ ᑐᑭᖓᓚᔨᓂᖅ, ᐃᓕᐅᑦᓗᓂᑎᑦ ᒪᓕᒃᑕᐅᔨᒃᓴᖅ ᖃᐅᔨᑎᐊᖅᑕᑦᑕᖓᓕᑦ ᑐᑭᖓᓚᔨᓂᑦ. ᐊᑐᓕᖅᑎᑦᑎᓂᖓᓕᑦ ᐊᐅᓪᓕᓂᑦᑎᑦ ᑐᑭᖓᓚᔨᓂᖅ ᐅᖃᐅᔨᐅᓂᖓᓄᑦ ᒪᓕᒃᑕᐅᔨᒃᓴᖅᑕᑦ ᐃᓕᐅᑎᑎᓂᖅᓄᑦ ᐃᓕᐅᑎᑎᓂᖓᓕᑦ ᐃᓕᐅᑎᐅᔨᓂᖅ 3-ᒥᑦ. ᐱᓴᕆᐊᖅᑲᖅᑕᑦ ᐃᓕᐅᑎᑎᓂᖓᓂᑦ ᖃᐅᔨᑎᐊᖅᑕᑦᑕᖓᓕᑦ ᑐᑭᖓᓚᔨᓕᑦ ᐅᖃᐅᔨᐅᔨᓂᖅ ᐃᓕᐅᑎᑎᓂᖅ 4-ᒥᑦ, ᐊᓗᒪᓗ ᑕᒪᓗᑦᑕᒥᑦ ᖃᐅᔨᑎᐊᖅᑕᑦ ᐅᓂᐸᒃᓕᐅᑎᓂᖓᓕᑦ ᐱᓴᕆᐊᖅᑲᖅᑕᑦ 5-ᒥᑦ. ᐃᓕᐅᑎᑎᓂᖅ 6 ᑐᓂᓯᔨᖅ ᑕᒪᐃᓪᓗᖓᓚᔨᓂᑦ ᖃᓄᐃᓕᐅᑕᐅᓂᑦ ᓇᓗᓇᐃᖅᓯᓂᕐᒧᑦ / ᖃᓄᐃᓕᐅᑕᐅᓂᑦ ᐊᐅᓪᓕᓂᑦᑎᑦ ᐊᑐᖅᑕᕆᐊᖅᑕᑦᑕᖓᓕᑦ.

EXECUTIVE SUMMARY

In July 2022, Agnico Eagle Mines Limited submitted to the Nunavut Impact Review Board the Final Environmental Impact Statement Addendum of the Meliadine Extension, which is currently under review. This document presents an updated version of the Water Quality and Flow Monitoring Plan, being submitted to the Nunavut Water Board as part of the Water Licence Amendment of the Meliadine Extension.

Since NIRB approval in 2015 and to extend the life of the mine, Agnico Eagle has continued to extend its knowledge of the gold deposits around the Meliadine Mine by way of additional exploration. As a result, an improved mine plan, collectively referred to as Meliadine Extension, is being proposed. Meliadine Extension will extend the life of the mine from 2032 to 2043 and will add underground mining activities at the already approved Wesmeg, Pump, F Zone, Discovery, and Tiriganiaq-Wolf areas.

Mine site development of the Meliadine Extension will include expansion of the tailings storage facility (TSF), waste rock storage facilities (WRSFs), water treatment complex, and sewage treatment plant to support the open-pit and underground mining activities over a 20-year mine life.

The Water Quality and Flow Monitoring Plan (the Plan) has been prepared in accordance with the requirements of the Approved Type A Amended Water Licence 2AM-MEL1631 (the Licence). The Plan complements the *Aquatic Effects Management Program* (AEMP) and is closely associated with the *Water Management Plan* and the *Metal and Diamond Mining Effluent Regulations (MDMER)*.

Section 2 of this Plan includes an overview of the monitoring programs and mine development schedule. Section 3 provides specific details (including sampling locations and parameters to be measured) for the compliance monitoring program, along with general guidance for the event monitoring program. An adaptive management program is described for regulated discharge and non-regulated discharges in Section 3. Requirements of the flow monitoring program are described in Section 4, and an overview of the reporting requirements in Section 5. Section 6 provides overview of Quality Assurance / Quality Control practices.

DOCUMENT CONTROL

Version	Date (YM)	Section	Page	Revision
1	18/12	All	All	Comprehensive plan for Meliadine project. First version composed by Meliadine Environment Department.
2	20/03	All	All	Updated plan formatting and added information on QA/QC as Section 6. Previous Section 5.3.1 (SWTP sampling) moved to GWMP.
3	21/08	All	All	Updated plan to reflect changes in amended MDMER, amended Type A Water Licence and in updated Water Management Plan
4_NIRB	21/11	All	All	Updated to address Meliadine Extension application submission to NIRB for review and approval
4_NWB	22/12	A yellow arrow in the right-hand margin indicates where updates have been made		Submitted to NWB as part of the Meliadine Extension Water Licence Amendment

Prepared by:

Agnico Eagle Mines Limited - Meliadine Division

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SECTION 1 • INTRODUCTION

The Water Quality and Flow Monitoring Plan (the Plan) has been updated in accordance with the requirements of the Nunavut Water Board (NWB) for the Type A Amendment of the Water Licence 2AM-MEL1631 (the Licence). The Plan is one component of the *Aquatic Effects Management Program* (AEMP) and is closely associated with the *Water Management Plan* and the *Metal and Diamond Mining Effluent Regulations (MDMER)*.

The Plan summarizes the monitoring locations, sampling frequency, monitoring parameters, compliance discharge criteria and an adaptive management plan for water quality at the Meliadine Extension.

The purpose of this Water Quality and Flow Monitoring Plan is to establish the program that is to be implemented and followed by Agnico Eagle's Meliadine environmental management team to monitor the performance of the waste and water management systems at the Meliadine Extension. The program includes:

- Verifying and validating the predicted water quality values with empirical measurements of the mine site water quality and flows;
- A comparison of measured water quality data to compliance requirements stipulated in the Licence; and
- A framework for adaptive management that allows the identification and rectification, where necessary, of unexpected trends or non-compliance in water quality and flows.

The Plan provides information on the locations of the monitoring stations at the various stages of mining. These monitoring locations are used to evaluate the performance of the mine waste and water management system.

The objectives of the monitoring program are:

1. To track the chemistry of the contact and non-contact water prior to and during discharge;
2. To assist in identifying if water treatment is required prior to discharge; and
3. To minimize the potential impacts of mining activities on the surrounding environment.

Additional locations outside the footprint of the mine (and outside the scope of this Plan) will be monitored under the *Meliadine Gold Project Aquatic Effects Management Program* (see Azimuth [2022] for the current detailed plan for operations). The Water Quality and Flow Monitoring Plan has been developed according to the approved Water Management Plan. The Water Management Plan has been updated to address Meliadine Extension application submission to the NWB.

SECTION 2 • OVERVIEW OF MONITORING PROGRAMS

This Plan has been divided into two levels of monitoring to characterize the range of impacts between the sources of contact water in the individual mine facilities and the point of discharge or release to the receiving environment. The two levels of monitoring include:

1. Compliance Monitoring (CM); and
2. Event Monitoring (EM).

2.1 Compliance Monitoring Program (CM)

The CM sites are those stipulated in the Licence; these sites vary from contact water collection ponds, structures such as ditches, culverts prior to discharge to the receiving environment and local lakes surrounding the mine site. The requirements of the Licence, including water quality limits, will be applied at the applicable mine discharge points identified in the CM program.

The CM program provides a mechanism to assess water quality at specified sites, and to confirm and document compliance of discharge with regulatory requirements. As part of adaptive water management, these internal monitoring stations provide protection to the receiving water environment, provide data to predict pit re-flooding water quality and ensure exceedances of predicted or regulated levels are appropriately managed or mitigated to reduce impacts.

2.2 Event Monitoring Program (EM)

The EM sites result from unexpected events such as spills, accidents, and malfunctions. The response programs for such events are discussed in greater detail in the following four documents:

- Spill Contingency Plan
- Risk Management and Emergency Response Plan
- Freshet Action Plan
- Water Management Plan

Each accidental release will require mobilization of site equipment to stabilize the release, procedures to contain, neutralize, and dispose of the discharge, and recommendations for monitoring the site following the incident.

SECTION 3 • MONITORING PROGRAMS

The monitoring program is presented in three sections; requirements of the compliance monitoring program, an overview of the event monitoring program, and then details of the adaptive management program for monitoring results.

Monitoring stations will be adjusted as mining progresses.

3.1 Compliance Monitoring Program

The CM program monitors the chemistry of four local lake surrounding the mine site (E3, G2, H1 and B5) as well as mine contact water collected and diverted at specified locations prior to release into the receiving water environment. The sampling is conducted to confirm and document compliance with regulatory requirements. The nature of water monitored within the CM program include:

- Non-contact water from local lakes;
- Mine surface contact water collected from drainage of different structures;
- Monitoring points located within the water management system prior to release into the receiving water environment; and
- Effluent released to Meliadine Lake and water within Meliadine Lake at the diffuser.

The CM sampling program has multiple monitoring stations across the project site, with sampling at different stages of the mine life. Table 3.1 provides a list of all CM stations for the Approved Mine. Table 3.2 provides a list of all the CM stations proposed for Meliadine Extension with the assumption that these stations would become active once the infrastructure is on surface. A description of the monitoring station location, parameters to be monitored and sampling frequency are provided in the tables. Specific details for the monitoring parameter groups are provided in Table 3.3. Agnico Eagle follows 5 groups of parameters as identified in Schedule I, Table 1 of the Licence. Additionally, Agnico Eagle follows the analytical requirements and authorized limits of deleterious substances as identified in Schedule 3 and Schedule 4 of the MDMER (Government of Canada, 2002).

Figure 3.1 shows the approximate location of each of the sampling sites for the Approved Mine. Figures 3.2 and figure 3.3 show the approximate location of the proposed sampling sites for Meliadine Extension. The actual location of each sampling site is determined by access and safety considerations and are marked by a stake that defines the exact location of the collection point for sampling events with appropriate attached signage in English, Inuktitut and French.

GPS coordinates for all compliance monitoring stations of the Meliadine Extension will be confirmed as the project advances in the regulatory process.

3.1.1 General Sampling and Analysis Program

Samples are collected in clean laboratory-supplied containers and preserved as directed by the analytical laboratory. During all phases, samples are analyzed offsite at a CALA accredited commercial lab (e.g., ALS in Burnaby, BV Labs in Nepean, AquaTox in Puslinch, H2Lab in Val d'Or, or Nautilus Environmental in Burnaby). Samples sent to commercial laboratories may change as the site matures and additional requirements occur. Sampling procedures are further detailed in Section 6 (Quality Assurance/Quality Control Procedures) and in the Quality Assurance/Quality Control Plan.

Table 3.4 summarizes the minimum sample volumes, container, preservation, and holding times for each analyte (note these criteria may change depending on the laboratory or changes in analytical methods). This information is from the *USEPA Methods for Chemical Analysis of Water and Waste Water* (*EPA-600/4-79-020, 1983*).

Figure 3.1: Sampling Site Locations Approved Mine

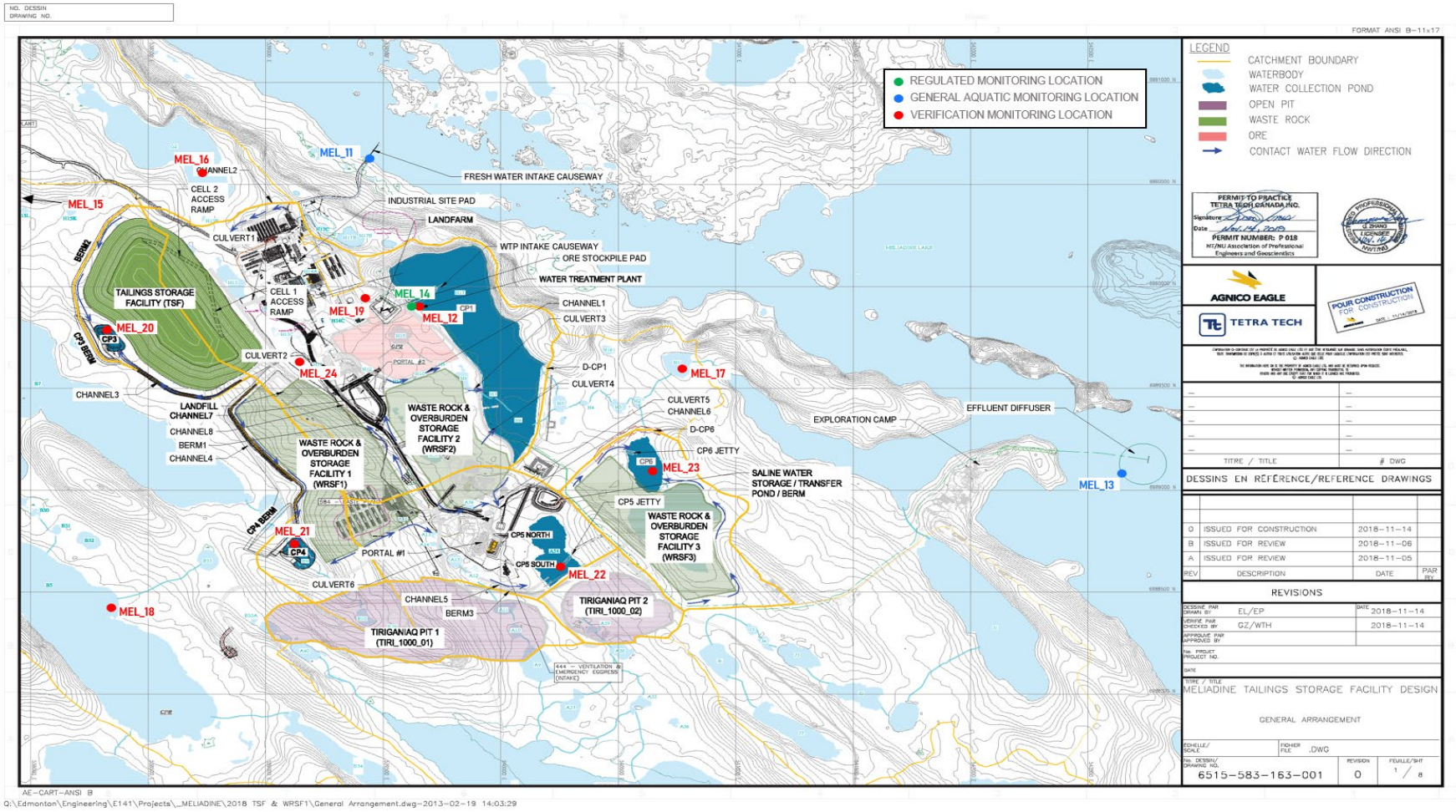


Figure 3.2: Proposed Sampling Site Locations Meliadine Extension

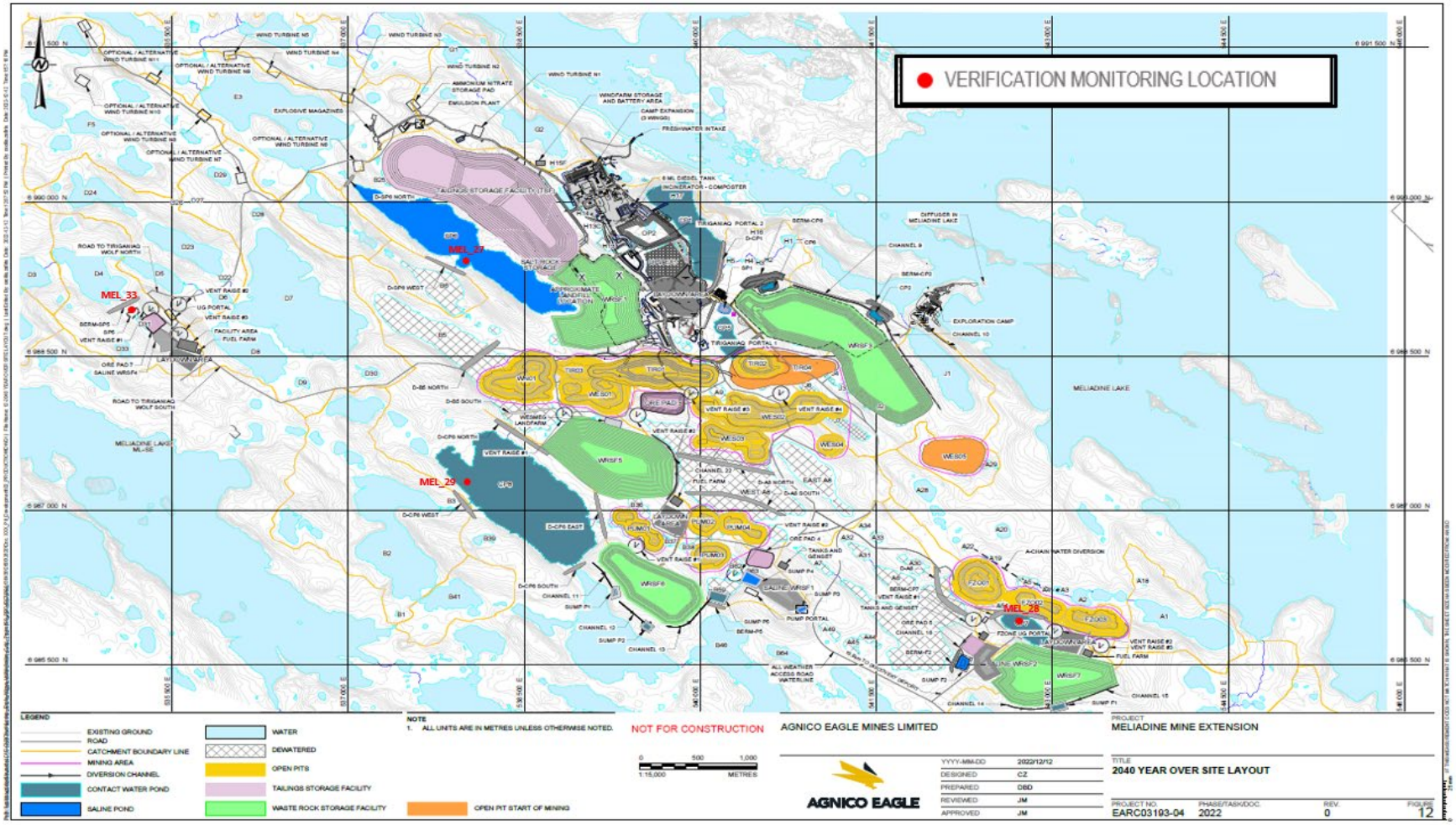


Figure 3.3: Proposed Sampling Site Locations – Discovery

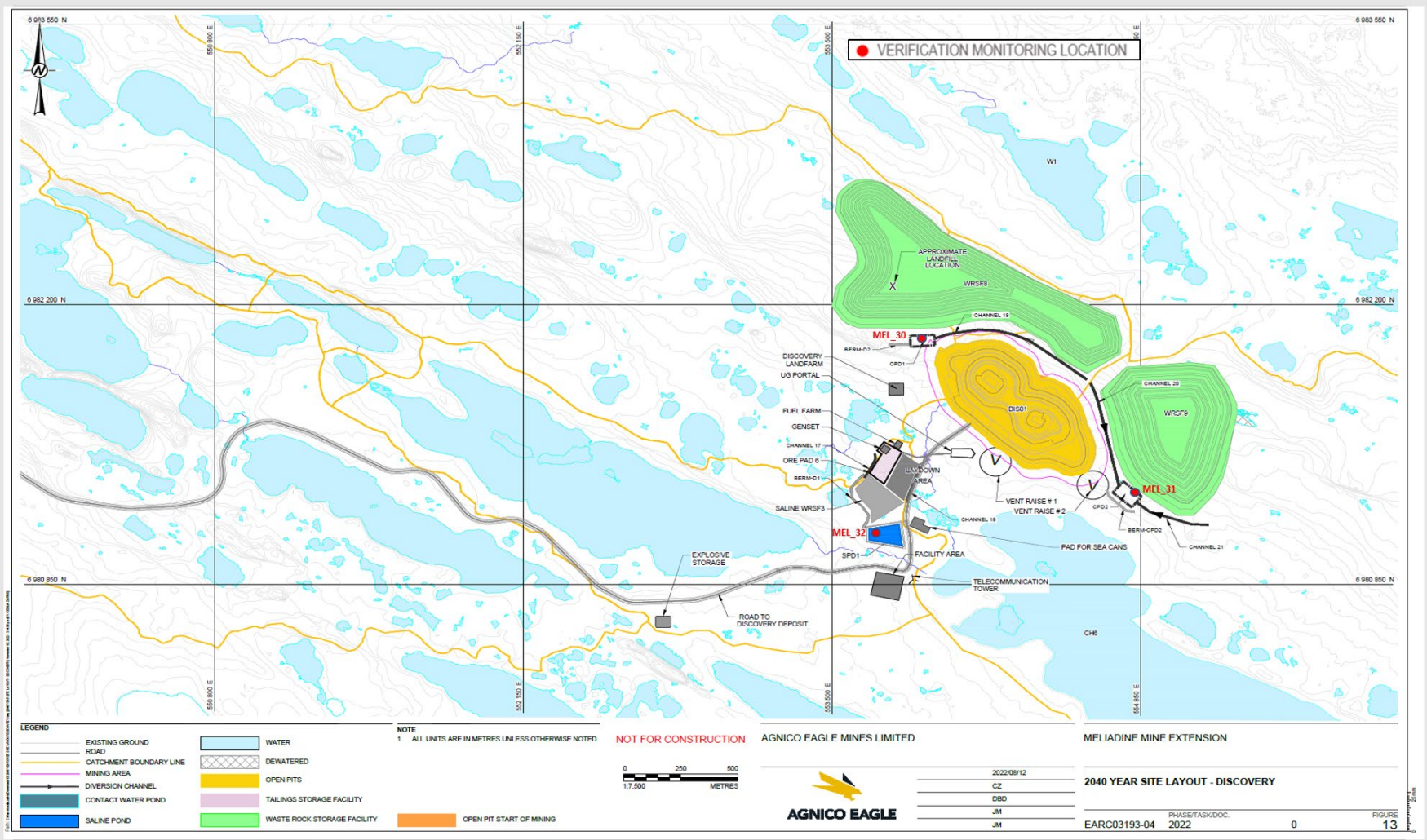


Table 3.1: Monitoring Program Approved Mine

Station	Description	Phase	Monitoring Parameters	Frequency
Mine Site				
MEL-D-1	Dewatering: Water transferred from lakes to Meliadine Lake during dewatering of lakes	Construction	As defined in the Water Management Plan referred to in Part D, Item 12	Prior to discharge and Weekly during discharge
			Volume (m3)	Daily during periods of discharge
MEL-SR-1 to TBD	Surface Runoff: runoff downstream of Construction areas at Meliadine Site and Itivia Site, Seeps in contact with the roads, earthworks and any Runoff and/or discharge from borrow pits and quarries	Construction, and Operation	As defined in the Water Management Plan referred to in Part D, Item 18	Prior to Construction, Weekly during Construction
			Group 1	Monthly during open water or when water is present upon completion
MEL-11	Water Intake from Meliadine Lake	Construction, Operation, and Closure	Full Suite	Monthly during periods of intake
			Volume (m^3)	Daily during periods of intake
MEL-12	Contact Water Treatment Plant (pre-treatment) coming from CP1, off the pipe and not in the pond	Construction (prior to release), Operations, and Closure	Group 1	Monthly during periods of discharge
MEL-13-01-MEL-13-07-MEL-13-10[(a)]	Mixing zone in Meliadine Lake and MDMER exposure stations for final discharge point within mixing zone	Construction (prior to release), Operations, and Closure	Full Suite, Group 3 (MDMER)	Monthly during periods of discharge
MEL-14	Contact Water Treatment Plant from CP1 (post-treatment): end of pipe in the plant before offsite release	Construction (upon effluent release), Operations, and Closure	Full Suite, Group 3	Prior to discharge and Weekly during discharge
			Volume (m3)	Daily during periods of discharge
			Acute Lethality	Once prior to discharge and monthly thereafter
MEl-15	Local lake E-3	Operations, and Closure	Group 2	Bi-annually during open water
MEL-16	Local Lake G2	Construction, Operations, and Closure	Group 2	Bi-annually during open water

Station	Description	Phase	Monitoring Parameters	Frequency
MEL-17	Local Pond H1	Construction, Operations, and Closure	Group 2	Bi-annually during open water
MEL-18	Local Lake B5	Construction, Operations, and Closure	Group 2	Bi-annually during open water
MEL-19	CP2, Collection of drainage from WRSF3	Construction, Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-20	CP3 Collection of drainage from dry stacked tailings	Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-21	CP4 Collection of drainage from WRSF1	Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-22	CP5 Collection of drainage from WRSF1 and WRSF2	Construction, Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-23	CP6 Collection of drainage from WRSF3	Construction, Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-24	Seepage from the Landfill between the landfill and Pond H3	Construction, Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-25	Secondary containment area at the Itivia Site Fuel Storage and Containment Facility	Construction, Operation, Closure	Group 4, Volume (m3)	Prior to discharge or transfer of Effluent
MEL-26	Itivia Harbour end of pipe (before offsite release) for treated saline effluent	Operations, and Closure	MDMER	As per MDMER requirements

Table 3.2: Proposed Monitoring Program Meliadine Extension

Station Id[(a)]	Description	Phase[(b)]	Monitoring Parameters	Frequency
Mine Site				
MEL-27	SP6 Collects Saline Water from underground and other saline ponds and sumps as well as runoff from the TSF	Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-28	CP7 Collects water from WRSF7 and prevents contact water from flowing into F Zone open pits.	Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-29	CP8 Collects surface contact water from open pits and mine operations	Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-30	CPD1 Collects contact water from WRSF8 and DIS01 open pit.	Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-31	CPD2 Collects contact water from WRSF9 and DIS01 open pit.	Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-32	SPD1 Collects contact water from CPD1, CPD2, the ore pad, industrial pad, Saline WRSF 3 and fuel pad. It will also serve as a saline water storage pond for underground mining.	Operations, and Closure	Group 1	Monthly during open water or when Water is present
MEL-33	SP5 Collects contact water from ore pad, industrial pad, saline WRSF 4, and store the ground water from Tiriganiaq - Wolf underground.	Operations, and Closure	Group 1	Monthly during open water or when Water is present

a) New proposed stations. The final monitoring stations for Meliadine Extension need to be approved by the NWB during the draft Water Licence Amendment process.

b) Monitoring at the new stations would start once construction of the new infrastructure has been completed

Table 3.3: Approved Monitoring Parameters

Group	Parameters
1	pH, turbidity, hardness, total alkalinity, sodium, magnesium, potassium, calcium, chloride, fluoride, silicate, sulphate, total dissolved solids (TDS; calculated[a,b]), total suspended solids (TSS), total cyanide, ammonia nitrogen, nitrate, nitrite, phosphorus, orthophosphate, Total Metals (aluminum, arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, mercury, molybdenum, nickel, selenium, silver, thallium, and zinc).
2	**Total and Dissolved Metals**: aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, chromium, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, silver, strontium, thallium, tin, titanium, uranium, vanadium, and zinc. **Nutrients**: ammonia-nitrogen, total Kjeldahl nitrogen, nitrate-nitrogen, nitrite-nitrogen, orthophosphate, total phosphorus, total organic carbon, dissolved organic carbon, and reactive silica. **Conventional Parameters**: bicarbonate alkalinity, chloride, carbonate alkalinity, turbidity, conductivity, hardness, calcium, potassium, magnesium, sodium, sulphate, pH, total alkalinity, TDS (calculated[a,b]), TSS, total cyanide, free cyanide, and weak acid dissociable (WAD) cyanide.
3	**MDMER parameters**: total cyanide, arsenic, copper, lead, nickel, zinc, radium-226, TSS, pH, total ammonia and temperature. **MDMER toxicity for the freshwater discharge**: Effluent volumes and flow rate of discharge, Acutely Lethality tests (Rainbow Trout and Daphnia magna) **MDMER toxicity for the marine discharge:** acute lethality three-spine stickleback.
4	Total arsenic, total copper, total lead, total nickel, TSS, ammonia, benzene, toluene, ethylbenzene, xylene, total petroleum hydrocarbons (TPH), and pH
Full Suite	Group 2, Total Petroleum Hydrocarbons, Turbidity. Non Acutely-lethal (Rainbow Trout and Daphnia magna) for discharge only.
Flow	Flow data-logger
Field measurements	Field pH, specific conductivity, dissolved oxygen, and temperature.

[a] Standard Methods (Method 1030E, American Public Health Association (APHA) 2012. Standard Methods for the Examination of Water and Wastewater, 22nd Edition, with updates to 2015.)
[b] TDSCalc (mg/L) = (0.6 x Total Alkalinity as CaCO3) + Sodium + Magnesium + Potassium + Calcium + Sulfate + Chloride + Nitrate + Fluoride + Silicate

Table 3.4: Summary of Sampling Requirements for Each Analyte

Parameters	Matrix Holding Time				Type of Bottle	Preservative	Volume
	Drinking Water	Waste Water	Surface Water	Ground Water (1)			
Microbiology							
Escherichia coli, total coliforms, A.A.H.B	48h	48h	48h	48h	PPS	TS, E	250ml
Enterococcus	48h	48h	48h	48h	PPS	TS, E	250ml
Thermo tolerant coliforms (fecal)	48h	48h	48h	48h	PPS	TS, E	250ml
Inorganic Chemistry							
Absorbance UV, Transmittance UV				24h	P. T. V	N	125ml
Alkalinity, Acidity, Bicarbonates, Carbonates	14d	14d	14d	14d	P, T, V	N	250ml
Ammonia nitrogen (NH_3-NH_4)	28d	28d	28d	28d	P, T, V	AS	125ml
Kjeldahl ammonia (NTK)		28d	28d	28d	P, T, V	AS	125ml
Anions (Cl, F,SO_4)	28d	28d	28d	28d	P, T, V	N	250ml
Color, Free & total Chlorine	48h	48h	48h	48h	P, T, V	N	125ml
Conductivity	28d	28d	28d	28d	P, T, V	N	250ml
Cyanides total/available, Cyanides	14d	14d	14d	14d	P, T, V	NaOH	250ml
BOD_5/Carbonated BOD_5 (2)		48h/4°	48h/4°		P, T, V	N	250ml
COD (chemical oxygen demand)		28d	28d		P, T, V	AS	125ml
Mercury (Hg)	28d	28d	28d	28d	P, T, V	AN	250ml
Total/dissolved metals (filtered on field)	180d	180d	180d	180d	P, T, V	AN	250ml
Dissolved Metals (filtered in the laboratory)	24h	24h	24h	24h	P, T, V	N	250ml
Total suspended solids & Volatile TSS		7d	7d	7d	P. T. V	N	500ml
NH_3 or NH_4		24h	24h	24h	P.T.V	N+AS	2/125ml
Nitrites (NO_2), Nitrates (NO_3), Turbidity	48h	48h	48h	48h	P, T, V	N	250ml
Nitrites-Nitrates (NO_2-NO_3)	28d	28d	28d	28d	P, T, V	AS	250ml
O-Phosphates (O-PO_4)	48h	48h	48h	48h	P, T, V	N	500ml
pH	24h	24h	24h	24h	P, T, V	N	125ml
Total Phosphorus (P-tot)	28d	28d	28d	28d	P, T, V	AS	125ml
Dissolved solids (TDS)		7d	7d	7d	P. T. V	N	250ml
Total solids		7d	7d	7d	P. T. V	N	250ml
Sulphides (H_2S) (3)	28d	28d	28d	28d	P. T. V	AcZn + NaOH	125ml
Thiosulfates	48h	48h	48h	48h	P. T. V	N	125ml
Radioactive & Organic Chemistry							
Fatty resin acids (S-T)	--	28d	28d	--	VA, VT	AS	1L
Congeners PCB (S-T)	28d	28d	28d	28d	VA, VT	N	1L
Chlorobenzene	28d	28d	28d	28d	2 Vial+1 blank	TSS	2/40ml
Total Organic Carbon (TOC)	28d	28d	28d	28d	P, T, V (B)	AC	100ml
Dissolved Organic Carbon (DOC)	48h	48h	48h	48h	P, T, V (B)	N	100ml
Total Inorganic Carbon (CIT)	48h	48h	48h	48h	P, T, V (B)	N	100ml
Phenolic compound (GC-MS)	28d	28d	28d	28d	VA, VT	AS	1L
Glyphosate (S-T)	14d	14d	14d	14d	P.T	N	500ml
PAH	28d	28d	28d	28d	VB	AS	1L
Oil & Greases (total and non-polar)	28d	28d	28d	28d	VA, VT	AS	1L
C10-C50 HP and/or Petroleum Product Identification	28d	28d	28d	28d	VA, VT	AS	1L

Parameters	Matrix Holding Time				Type of Bottle	Preservative	Volume
	Drinking Water	Waste Water	Surface Water	Ground Water (1)			
Phenol index	28d	28d	28d	28d	VA, VT	AS	500ml
Radium-226	180d	180d	180d	180d	P, T. V	AN	1L
VOC (MAH, CAH, THM, BTEX) (3)	28d	28d	28d	28d	2 Vial+1 blank	TSS	2/40ml

Type of bottle:
P.S.V.T.: plastic bottle, bag or glass bottle with Teflon cap
P, T: Plastic bottle or plastic bottle with Teflon cap
P.T.V.: Plastic bottle or glass bottle with plastic or Teflon cap
PPS: Sterile propyl ethylene bottle
VA: Clear or amber glass with aluminium or Teflon seal
VB: Amber glass (or clear glass covered with aluminium paper) aluminium seal of Teflon
VT: Clear or amber glass bottle with Teflon seal
Preservative:
AC: 0.1ml (100µl) of HCl per 100ml of sample
AcZn: 0.2ml zinc acetate 2N per 100ml of sample and NaOH 10N to pH >9
AN: HNO3 to pH <2
AS: H2SO4 to pH <2
E: 2.5ml EDTA 1.5% (p/v) per 100ml of sample if heavy metals are suspected
ED: 0.1ml diamine ethylene 45 mg/l per 100 ml of sample
EDTA: 1ml EDTA 0.25M per 100ml of sample
N: No preservative
NaOH: NaOH 10N to >12
TS: Sodium thiosulfate final concentration in the sample of 0.1% (p/v)

3.1.2 Compliance Monitoring Stations and Discharge Criteria

Further details of the specific CM stations and discharge criteria stipulated under the Licence are provided below. The compliance monitoring stations and discharge criteria for Meliadine Extension is to be discussed and approved by the NWB during the Water Licence Amendment process.

Dewatering Activities

All Waters from dewatering activities at Monitoring Program Stations MEL-D-1 through MEL-D-TBD shall be directed to Meliadine Lake or as other described in the Adaptive Management Plan and shall not exceed the quality limits presented in Table 3.5 as stipulated in Part D, Item 12 of the Licence.

Table 3.5: TSS and pH Criteria at CM Stations MEL-D-1 through MEL-D-TBD

Parameter	Maximum Average Concentration (mg/L)	Maximum Concentration of Any Grab Sample
Total Suspended Solids (TSS) (mg/L)	15.0	30.0
pH	6.0 to 9.5	6.0 to 9.5

All surface runoff and/or discharge from drainage management systems, at the Monitoring Program Stations MEL-SR-1 to MEL-SR-TBD during the Construction/Operation of any facilities and infrastructure associated with the Meliadine Mine, including laydown areas and All-weather Access Road, where flow may directly or indirectly enter a Water body, shall not exceed the Effluent quality limits presented in Table 3.6, as stipulated in Part D, Item 18 of the Licence.

Table 3.6: Effluent Criteria at CM Station MEL-SR-1 to MEL-SR-TBD

Parameter	Maximum Average Concentration	Maximum Concentration of Any Grab Sample
Total Suspended Solids (TSS) (mg/L)	50.0	100.0
Oil and Grease	No Visible Sheen	No Visible Sheen
pH	6.0 to 9.5	6.0 to 9.5

Site Water Collection System

Effluent discharged from CP1 at CM station MEL-14 shall be directed to Meliadine Lake through the Meliadine Lake Outfall Diffuser and shall not exceed the effluent quality limits presented in Table 3.7, as stipulated in Part F, Item 3 of the Licence and within MDMER.

Table 3.7: Effluent Criteria at CM Station MEL-14

Parameter	Unit	Maximum Authorized Monthly Mean Concentration	Maximum Authorized Concentration in a Grab Sample
Conventional Constituents			
pH		6.0 to 9.5[(a)]	6.0 to 9.5[(a)]
Total Dissolved Solids (TDS) (calculated)	mg/L	3,500	4,500
Total Suspended Solids (TSS)	mg/L	15[(a)]	30[(a)]
Nutrients			
Total Ammonia (NH_3-N)	mg-N/L	14	18
Total Phosphorous (P)	mg-P/L	2.0	4.0
Total Metals			
Aluminum (Al)	mg/L	2.0	3.0
Arsenic (As)	mg/L	0.3	0.6
Cyanide (CN)	mg/L	0.5	1.0
Copper (Cu)	mg/L	0.2	0.4
Lead (Pb)	mg/L	0.1[(a)]	0.2[(a)]
Nickel (Ni)	mg/L	0.5[(a)]	1.0[(a)]
Zinc (Zn)	mg/L	0.4	0.8
Others			
Total Petroleum Hydrocarbons (TPH) (mg/L)	mg/L	5.0	5.0
Radium 226[(a)]	Bq/L	0.37	1.11

[(a)] (MDMER, 2002)

The Discharge of Effluent from the Final Discharge Point at Monitoring Program Station MEL-14 shall be demonstrated to be non-Acutely Lethal as per test methods in the MDMER (GC 2002).

Saline effluent discharged at CM station MEL-26 shall be directed to Itivia Harbour through a submarine Pipeline and Diffuser and shall not exceed the effluent quality limits presented in Table 3.8, as stipulated in MDMER Schedule 4 (GC, 2002). The Discharge of Effluent from the Final Discharge Point at Monitoring Program Station MEL-26 shall be demonstrated to be non-Acutely Lethal as per test methods in the MDMER (GC, 2002).

Table 3.8: Effluent Criteria at CM Station MEL-26

Parameter	Unit	Maximum Authorized Monthly Mean Concentration	Maximum Authorized Concentration in a Grab Sample
Arsenic (As)	mg/L	0.3	0.6
Copper (Cu)	mg/L	0.3	0.6
Cyanide (CN)	mg/L	1.0	2.0
Lead (Pb)	mg/L	0.2	0.4
Nickel (Ni)	mg/L	0.5	1.0
Zinc (Zn)	mg/L	0.5	1.0
Total Suspended Solids (TSS)	mg/L	15.0	30.0
Radium-226	Bq/L	0.37	1.11
Un-ionized ammonia	mg-N/L	0.50	1.00

Itivia Marshalling Area

Surface water runoff from the bulk fuel tank storage areas is collected within the tank's secondary containment enclosures that are equipped with an HDPE liner; these are designed to contain petroleum products released due to spill events. Water collected in the secondary containment enclosures at CM station MEL-25 is discharged to land in a controlled manner according to the Licence.

All effluent being discharged from the secondary containment enclosures at the Itivia marshalling facility shall not exceed the effluent quality limits presented in Table 3.9, as stipulated in Part F, Item 5 of the Licence.

Receiving Environment

Receiving water quality monitoring is discussed in the Aquatic Effects Management Program (AEMP) (Azimuth 2022) and the Ocean Discharge Monitoring Plan (ODMP) (Agnico Eagle 2021). Within the AEMP and ODMP are numerous monitoring programs: water quality, sediment quality, benthic invertebrate communities, and fish health and fish tissue chemistry.

Table 3.9: Effluent Criteria at CM Station MEL-25

Parameter	Unit	Maximum Authorized Monthly Mean Concentration	Maximum Authorized Concentration in a Grab Sample
pH		6.0 to 9.5	6.0 to 9.5
Total Suspended Solids (TSS)	mg/L	15.0	30.0
Benzene	µg/L	370	370
Toluene	µg/L	2	2
Ethylbenzene	µg/L	90	90
Lead (mg/L)	mg/L	0.1	0.1
Oil and Grease (mg/L)	mg/L	5 and no visible sheen	5 and no visible sheen

3.2 Event Monitoring

The Event Monitoring (EM) program addresses the site-specific monitoring that is required following any accidental release. A "release" may be caused by:

- Spills, including unidentified seepage (Spill Contingency Plan); or
- Emergencies (Risk Management and Emergency Response Plan).

The EM program is designed to verify whether contamination of the surface soil and/or any nearby receiving environment and active zone has occurred as a result of an accidental release of a hazardous material or contaminated water. Verification is done through monitoring of surface runoff and nearby receiving environment during and following remedial activity. It is anticipated that due to the presence of permafrost beneath most of the mine footprint (active layer app 1.5m in depth), there will be minimal impact to groundwater from surface spills or accidental releases.

The EM plan is developed on a site-specific basis subsequent to a spill or other incident, and considers the type of product spilled, the potential receptors and the potential for any remaining contamination after clean-up. The plan is coordinated by the Environment Department.

In the event of an accidental release, the water quality of any downstream receptor as well as an upstream reference (background) is sampled to determine severity of impact. Should the spill have happened over snow cover, as much contaminated snow will be removed as possible. Verification sampling would occur in the area after thaw to determine if the clean-up is complete or if further remediation is necessary. The specific parameters monitored as part of the EM program will depend on the nature of the spill and will be determined for the specific material released.

The EM program for a particular spill will cease upon obtaining satisfactory analytical results from the potentially affected areas or as required by regulators.

3.3 Adaptive Response Approach

Results of the water quality monitoring are reviewed by the Meliadine Environment Department. Chemical trends of constituents of interest are tracked for mine site monitoring and for the AEMP program. This allows for early detection of significant changes in water quality within the mine site prior to discharge. If triggers and thresholds, such as in the AEMP program, are exceeded in the receiving environment action plans are then implemented to ensure that environmental protection objectives are met.

An adaptive management program has been designed for the Meliadine Gold Mine to evaluate the monitoring data and provide a framework for action, if necessary. The program has two levels - a trigger level to compare the monitoring data against, and an action plan of mitigative measures for identified exceedances.

The adaptive management program is divided into two sections, one for parameters with regulated discharge criteria at specific monitoring locations, as specified in the Licence and by the Metal Diamond Mining Effluent Regulations (MDMER). The second section is for measured parameters for which no discharge limits have been identified in the Licence such as those in the AEMP or Environmental Effects Monitoring (EEM).

3.3.1 Adaptive Management Program for Regulated Discharge

Action Plan

In the case of an exceedance of a Licence limit or MDMER discharge limit, an action plan will be implemented. The adaptive management program requires that if one or more of the key monitored parameters exceed the respective limits, a staged sequence of responses will follow. Table 3.10 summarizes the staged adaptive action plan for the CM program for regulated discharge. Figure 3.3 is a logic diagram showing the decision path for evaluating analytical results for regulated discharges.

In addition to the mitigative measures listed above, a number of other possible alternatives are available to reduce or treat contaminants. These mitigation measures include:

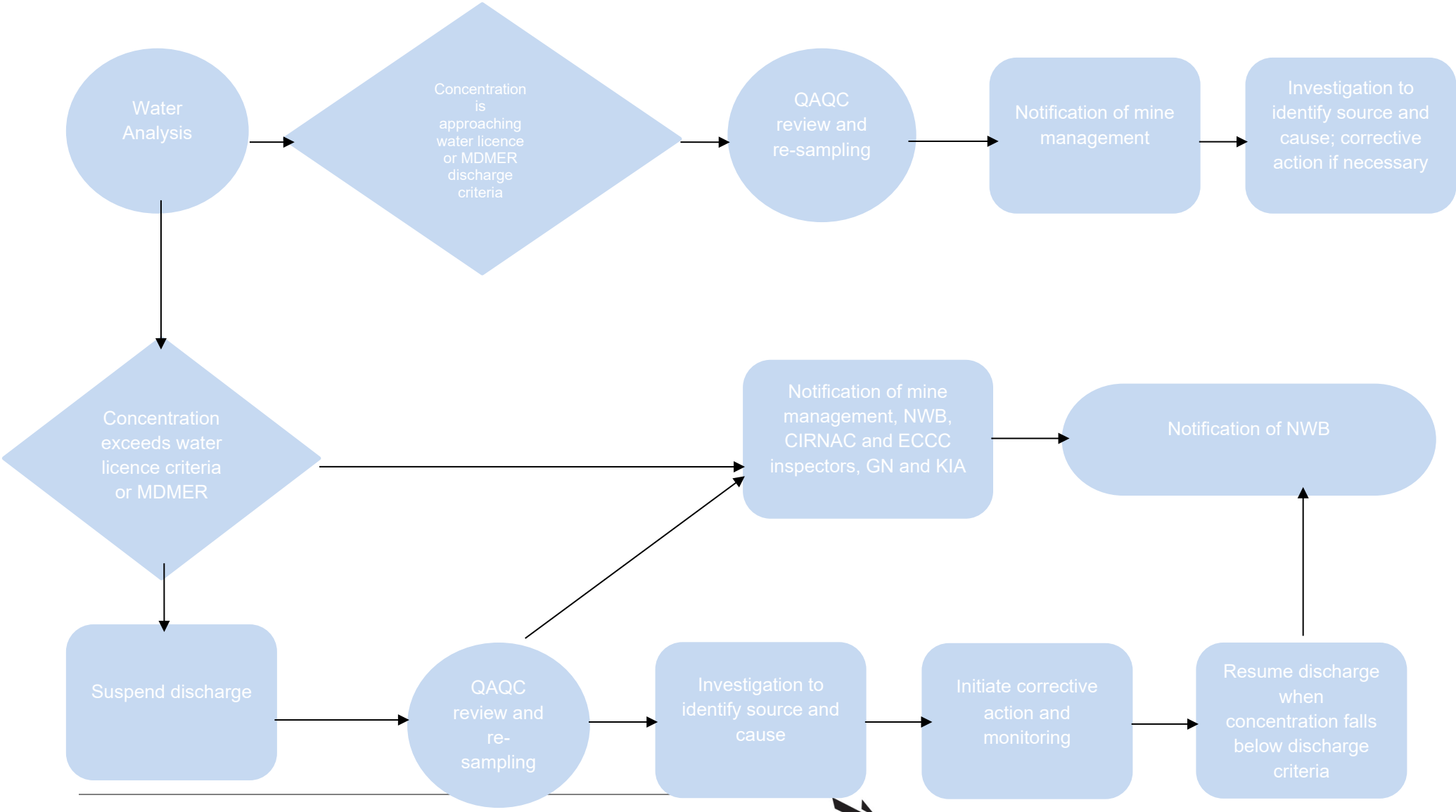
- Best management practices for sediment and erosion control would be employed to reduce TSS concentrations (i.e., flow control, sedimentation basin construction silt fencing, etc.; see Sediment and Erosion Management Plan);
- Addition of a coagulant for the reduction of TSS in pond water;
- Use of geotextile or re-armoring of banks to filter and reduce TSS in pond/ditch water;
- Deployment of absorbent booms and/or barriers within ponds to isolate surface petroleum hydrocarbon films for removal and/or treatment;
- Adjustments to on-site sewage treatment for the reduction of BOD and E. coli concentrations;
- Addition of lime to increase a low pH value or reduce metal concentrations;
- Removal of the offending source rock or the prevention of surface waters coming into contact with the offending source rock in the case of ARD; and/or

- Implementation of the Freshet Action Plan to proactively identify any issues around areas of concern; conduct additional monitoring, and control and contain seepage or movement of TSS on site.

Table 3.10: Action Plan for Regulated Discharge

Example	Action Plan
Exceeds water licence discharge criteria or MDMER	1. Suspension of discharge activities; 2. QA/QC review and analysis, and re-sample water at the particular location if necessary; 3. Notification of mine management (General Mine Manager or designate and Environment Superintendent, or designate) and the regulators: Nunavut Water Board, CIRNAC and ECCC inspectors, GN and the Kivalliq Inuit Association; 4. Investigation to identify possible source(s) and cause(s) of the exceedance; 5. Initiation of corrective actions or water treatment, and follow up monitoring; and 6. Resumption of discharge when concentrations are below the discharge criteria

Figure 3.3: Logic Diagram for Regulated Discharge



3.3.2 Adaptive Management Program for Non-Regulated Discharge

Aside from targeted monitoring studies (i.e., "Effects Assessment Studies") such as those following construction, the AEMP is the main program aimed at measuring and assessing potential impacts of contaminants in the receiving aquatic environment that are not regulated under MDMER or NWB. This program combines with the EEM required under MDMER.

The program is designed to take an integrated, ecosystem-based approach that links mitigation and monitoring of physical/chemical effects to key ecological receptors in the receiving environment. It addresses key issues identified in the Meliadine EA (i.e., mining-related activities with the potential to affect water quality, fish habitat and fish populations). Monitoring results are intended to inform the "adaptive management" process, supporting the early identification of potential problems and development of mitigation options to address them by comparing results to established threshold and trigger levels.

AEMP Action Level and Significance Threshold

The AEMP Response Framework links monitoring results to management actions, with the purpose of maintaining the assessment endpoints within acceptable ranges. It is a systematic approach for evaluating AEMP results and responding appropriately, such that potential unexpected effects are identified and mitigation is undertaken to reduce or reverse them, thereby preventing the occurrence of a significant adverse effect. This is accomplished by continually evaluating monitoring data and implementing follow-up actions (e.g., confirmation, further study, mitigation) at pre-defined levels of change in measurement endpoints (i.e., Action Levels). For purposes of this Response Framework, the following terms are used: effect, normal range, benchmark, Action Level, and Significance Threshold.

Action Level – Action Levels (Low, Moderate, and High) are pre-defined levels of environmental change that exceeds normal ranges or benchmarks, or results of statistical tests, or a combination of these. For example, exceedance of the normal range and approach of a benchmark by a water quality parameter in the near-field exposure area may be defined as the Low Action Level. A change that falls within the normal range of variability for the study area would not trigger an Action Level.

Significance Threshold – The Significance Threshold, for the purposes of an AEMP Response Framework, is a magnitude of change that would result in significant adverse effects. It is a clear statement of environmental change that must never be reached. The AEMP Response Framework is designed to prevent reaching the significance threshold for all assessment endpoints.

Action Levels

The proposed Action Levels are designed to provide an early warning indication of potential adverse effects to plankton and benthos (i.e., food for fish), to fish health, and to the assurance of normal ecological function (including water quality and sediment quality). The proposed Low Action Levels (Table 8-2 and 8-3) are designed such that changes of sufficient magnitude to trigger a Low Action Level response are reported, documented, investigated, and ultimately addressed (i.e., mitigation measures or operation

changes are implemented) before Significance Thresholds would ever be reached; if a Low Action Level is reached, Medium and High Action Levels (with response actions) are developed to provide further adaptive management guidance to the Mine to avoid reaching the Significance Thresholds. The type of management response taken after reaching an Action Level will depend on the type and magnitude of effect observed.

Further details on AEMP action levels and significance thresholds are provided in Azimuth (2022).

SECTION 4 • QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

Quality Assurance (QA) refers to plans or programs that encompass a wide range of internal and external management and technical practices designed to ensure the collection of data of known quality that matches the intended use of the data. Quality Control (QC) is a specific aspect of QA that refers to the internal techniques used to measure and assess data quality. Specific QA and QC procedures that will be followed during compliance-related sampling are described in Section 4.1 and 4.2 and are further detailed in the Quality Assurance/Quality Control Plan.

4.1 Quality Assurance

Quality assurance protocols are diligently followed so data are of known, acceptable, and defensible quality. There are three areas of internal and external management, which are described in the following three sections.

4.1.1 Field Staff Training and Operations

To make certain that field data collected are of known, acceptable, and defensible quality, field staff are trained to be proficient in standardized field sampling procedures, data recording, and equipment operations applicable to the monitoring program. All field work will be completed according to specified instructions and established technical procedures for standard sample collection, preservation, handling, storage, and shipping protocols. Thus, minimizing risk of operational errors.

4.1.2 Laboratory

To make sure that high quality data are generated, external CALA accredited laboratories have been selected for sample analysis. Accreditation programs are utilized by the laboratories so that performance evaluation assessments are conducted routinely for laboratory procedures, methods, and internal quality control.

The assay lab at the Mine site is not an accredited laboratory but will be used periodically for “real-time” results for some parameters like pH, total suspended solids, and Weak Acid Dissociable Cyanide. These results are for observational purposes and do not meet the standards of an accredited laboratory.

4.1.3 Office Operations

A data management system is utilized so that an organized consistent system of data control, data analysis, and filing will be applied to the monitoring program. Relevant elements will include, but are not limited to the following:

- All required samples are collected;
- sampling stations are clearly identified, and GPS coordinates collected and stored;
- chain-of-custody and analytical request forms are completed correctly (as per the Quality Assurance/Quality Control Plan);

- proper labelling and documentation procedures are followed, and samples will be delivered to the appropriate locations in a timely manner;
- laboratory data will be promptly reviewed once they are received to validate data quality;
- appropriate logic checks will be completed to ensure the accuracy of the calculations.

4.2 Quality Control

The QC component consists of applicable field and sample handling procedures, and the preparation and submission of two types of QC samples to the various laboratories involved in the program. The QC samples include blanks (e.g., travel, field, equipment) and duplicate/split samples.

Sample bottle preparation, field measurement and sampling handling QC procedures include the following:

- New laboratory supplied containers are used for sample collection. The bottles are either polyethylene plastic or glass, dependent on the specific parameter being analyzed.
- Sample bottles are kept in a clean environment, capped at all times, and stored in clean shipping containers. Samplers keep their hands clean, wear gloves, and refrain from eating or smoking while sampling.
- All bottles are identified with station number and date of collection.
- Where sampling equipment must be reused at multiple sampling locations, sampling equipment is cleaned appropriately between locations.
- Temperature, pH, and specific conductivity are measured in the field using hand held meters such as HACH test kit – 2100 Q Portal Turbidimeter (turbidity), Oakton PCS35 Meter (pH and conductivity), and Eureka Manta II (pH, dissolved oxygen and conductivity). The instruments are calibrated before each sample event to ensure optimal performance and record of the calibration are kept in a Calibration log. Maintenance procedures will be followed as set out by the supplier's operation manual.
- Samples are cooled to between 4 °C and 10˚C as soon as possible after collection and maintained at approximately 4 °C in a refrigerator until shipping. Care is taken when packaging samples for transport to the laboratory to maintain the appropriate temperature (between 4°C and 10˚C) and minimize the possibility of rupture. Where appropriate, samples are treated with laboratory-provided preservatives to minimize physical, chemical, biological processes that may alter the chemistry of the sample between sample collection and analysis.
- Samples are shipped to the laboratory as soon as reasonably possible to minimize sample hold times. If for any reason, samples do not reach the laboratory within the maximum sample hold time for individual parameters, the results of the specific parameters will be qualified, or the samples will not be analysed for the specific parameters.
- Chain of custody sample submission forms are completed by field sampling staff and submitted with the samples to the laboratory. Furthermore, an electronic copy is emailed to the laboratory upon shipping and a second electronic copy is maintained at the Mine Site for reference.

- Only staff with the appropriate training in the applicable sampling techniques conduct water sampling.

Quality control procedures implemented consist of the preparation and submission of QA/QC samples, such as field blanks, trip blanks, and duplicate water samples. These are defined as follows:

- Field Blank: A sample prepared in the field using laboratory-provided deionized water to fill a set of sample containers, which is then submitted to the laboratory for the same analysis as the field water samples. Field blanks are used to detect potential sample contamination during collection, shipping and analysis.
- Travel Blank: A sample prepared and preserved at the analytical laboratory prior to the sampling trip using laboratory-provided deionized water. The sample remains unopened throughout the duration of the sampling trip. Travel blanks are used to detect potential sample contamination during transport and storage.
- Duplicate Sample: Two samples collected from a sampling location using identical sampling procedures. They are labelled, preserved individually and submitted for identical analyses. Duplicate samples are used to assess variability in water quality at the sampling site. Duplicates are collected and submitted for analyses at approximately 10% of sampling locations. For smaller batches of samples (less than 10), at least one duplicate will be collected and submitted for analysis. Upon receipt of analytical results, the field/trip blank and duplicate analyses are verified for potential contamination and accuracy, respectively. Results are interpreted, and recommended actions are taken if necessary.

SECTION 5 • FLOW VOLUMES

Where applicable, flow volumes within the mine footprint will be tracked daily during periods of discharge. Flow volume measurements will be conducted using volumetric flow meters attached to applicable pumps or by applying pump time and capacity methods when flow meters are not possible (e.g., when a power source is not available). For applicable permanent pumping arrangements, such as fresh water pumping systems, flows will be measured using permanent in line flow meters. For periodic batch discharges, such as secondary containment sumps, portable flow meters or calculated pump time and capacity methods will be used.

The monitoring locations for water flow volumes, in accordance with Part I, Item 8, and Table 2 of the Licence, include:

- The volume of fresh Water obtained from Meliadine Lake at Monitoring Program Station MEL-11;
- The volume of fresh Water transferred to the Meliadine Lake during lakes' dewatering activities;
- The volume of fresh Water obtained along the road and Meliadine River for dust suppression activities;
- The volume of Effluent discharged from Final Discharge Point at Monitoring Program Station MEL-14;
- The volume of reclaim Water obtained from CP1;
- The volume of Effluent discharged onto tundra at Monitoring Program Station MEL-25 or transferred to CP1 from the Itivia Site Fuel Storage and Containment Facility; and
- The volume of Effluent and Fresh Water transferred to the pits during pits' flooding.

Flow volume measurements will be conducted to and from key containment ponds such as CP8 and SP6. The monitoring locations for water flow volumes will be defined during the Water Licence Amendment process for Meliadine Extension.

SECTION 6 • REPORTING

Reporting of water quality results is to be conducted on two levels a) monthly and annually with the results of the monitoring program and per MDMER requirements and b) in response to exceedances.

6.1 Annual Reporting

An annual report is to be submitted to the NWB, Kivalliq Inuit Association, Fisheries and Oceans, Crown-Indigenous Relations and Northern Affairs Canada, Nunavut Impact Review Board, Government of Nunavut, and other interested parties by March 31st of the following year. The report is to summarize the following:

- Monitoring results for each sampling station during the year and for the life of mine (construction to end of closure); activities during the year at each station; and any exceedances at stations, the action plan applied to the exceedance, and the results of the action plan;
- Annual seep water chemistry results; including location of the samples, sources of the water collected, and results of chemical analyses of the samples;
- Receiving water monitoring results;
- Spills and any accidental releases; event monitoring activities conducted following containment, remediation, and reclamation; and the results of EM program, any exceedance in EM results, and the action plan following the exceedance;
- Measured flow volumes;
- Effluent flow rates, volumes and calculated chemical loadings following the requirements of MDMER; and
- Results of QA/QC analytical data.

6.2 Exceedance Reporting

Any measured concentration at a CM station exceeding a regulated discharge criterion stipulated in the Licence or MDMER will be reported to the NWB and Environment Canada and Climate Change upon receipt of the analysis. In addition, results of the action plan will be reported and, where necessary, mitigation options identified within 90 days after receipt of the analyses.

Exceedances in the concentration of a parameter in receiving water will be reported as specified in the AEMP and EEM – MDMER accordingly.

SECTION 7 • REFERENCES

Agnico Eagle. 2021 Meliadine Gold Mine Ocean Discharge Monitoring Plan

Azimuth Consulting Group Inc. 2022. Aquatic Effects Monitoring Program (AEMP) Design Plan. Version 2_NWB. December 2022.

Environmental Protection Agency (EPA). 1983. Methods for Chemical Analysis of Water and Wastes. EPA/600/4-79/020. March 1983.

Government of Canada. (2002). Metal and Diamond Mining Effluent Regulations. SOR/2002-222. Minister of Justice of Canada. Current to July 26, 2021, last amended on June 10, 2021.

APPENDIX E • WATER BALANCE AND WATER QUALITY FORECAST

TECHNICAL MEMORANDUM

To:	**Jenyfer Mosquera and Colleen Prather (Agnico Eagle Mines Limited)**	**Date:**	**January 12, 2023**
From:	**Lorax Environmental Services Ltd.**	**Project:**	**A667-1**
Subject:	**Meliadine Extension Water Balance and Water Quality Model Update**		

1. Introduction

Agnico Eagle Mines Limited (Agnico Eagle) operates the Meliadine Mine, located 25 km north of Rankin Inlet in the Kivalliq region of Nunavut (Figure 1-1). The Project Certificate issued in 2015 included approval of a multi-phase approach to development, including mining of the Tiriganiaq deposit using open pit and underground mining methods and mining of the Pump, F Zone, Discovery and Wesmeg deposits using open pit methods. Meliadine Extension proposes to extend the life of the mine from 2032 to 2043 and the addition of underground mining activities at the already approved Wesmeg, Pump, F Zone, and Discovery deposits. Meliadine Extension includes the development of six gold deposits located within the previously approved footprint (F Zone, Pump, Wesmeg, Wesmeg North, Tiriganiaq-Wolf and Discovery) and associated infrastructure.

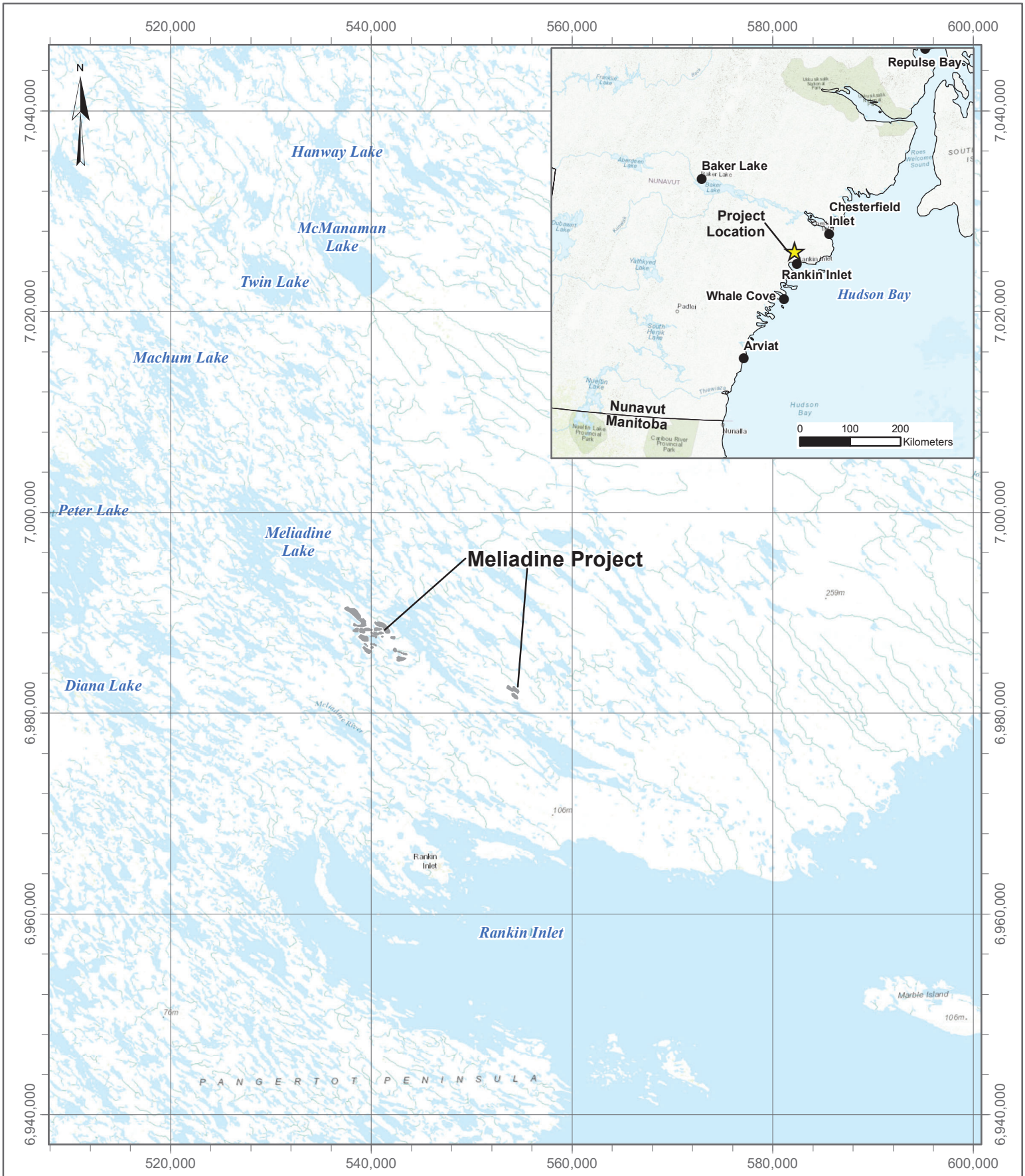
Lorax Environmental Services Ltd. (Lorax) was retained by Agnico Eagle to update the site-wide water balance and water quality model (WBWQM) to represent the annual progression of the Meliadine Extension mine layout, in support of the Water Licence Amendment process with the Nunavut Water Board. The modelling effort described in this memo supersedes several previous water balance and water quality models, described in the following technical reports:

- Lorax Environmental Services Ltd. (2022a). *Meliadine Extension Water Balance and Water Quality Model – Technical Report*. Prepared by Lorax Environmental Services Ltd. for Agnico Eagle Mines Ltd. February 2022. 1471 pp.
- Golder Associates Ltd. (2020). *Meliadine Site Water Balance and Water Quality Model. Type a 2AM-MEL 1631 Water Licence Amendment*. Prepared by Golder Associates Ltd. for Agnico Eagle Mines Ltd. August 2020. 146 pp.
- Golder (Golder Associates Ltd.). (2014). *Volume 7.0 Freshwater Environment. Final Environmental Impact Statement (FEIS) – Meliadine Gold Project*. Prepared for Agnico Eagle Mines Ltd. by Golder Associates Ltd. April 2014.

The purpose of this memo is to provide WBWQM results for the Meliadine Extension in support of the Water Licence Amendment Regulatory process with the Nunavut Water Board. This model iteration builds upon the WBWQM developed for the 2022 FEIS application (Base Case) using the GoldSim modelling platform (Lorax, 2022a), with certain modifications to incorporate additional information and refinements to the mine plan.

A summary of model updates and water management assumptions are provided in Chapter 2. Results for Operations discharge water volumes to Itivia Harbour and Meliadine Lake as well as annual water balances for all ponds, sumps and open pits are provided in Chapter 3, while water quality results for Operations, Active Closure and Post Closure are provided in Chapter 4. Supporting information is provided in the following Appendices:

- Appendix A. Mine Site Layout
  - A.1 Site layout with sub-catchment delineation
  - A.2 Sub-catchment surface areas
- Appendix B. Water Management Wire diagrams
- Appendix C. Source Terms and Geochemical Reports
  - C1. ACLC Kinetic Testing Report
  - C2. Tailings Kinetic Testing Report
  - C3. Source Term Update
- Appendix D. Water Quality Model Results
  - D.1 End of Pipe Results
  - D.2 Open Pits, Natural Lakes and Collection Pond Results
  - D.3 Conjoined Pit Lake Results



LEGEND

- ☆ Project Location
- ● Municipality

DATE SAVED:	Nov 23, 2021
DRAWN BY:	GM
REVIEWED:	SJ
VERSION:	1

Coordinate System: NAD 1983 UTM Zone 15N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

1:500,000

0 4 8 Km

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Meliadine Expansion WB/WQM**

TITLE: Project Location Map

PROJECT #: A574-3

FIGURE: 2-1

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2. Model Setup

This section provides a summary of the updated site-wide WBWQM inputs and assumptions. The WBWQM is built in the GoldSim v14 software platform and is set-up to run on a daily time-step. The primary modelling objective is the prediction of water and solute load transfers within the mine site, and to the receiving environment during all phases of the proposed Meliadine Extension. The GoldSim WBWQM is configured to predict the transfer of water and solute mass (loadings) from mined and non-contact areas into the relevant water management facilities. All mixing is assumed to occur instantly, and all mass is conserved throughout the model (*i.e.*, no attenuation is applied to any of the parameters that are tracked).

All model inputs and assumptions, including the approach to water balance model calibration and underlying water balance processes remains consistent with what was presented in the 2022 FEIS WBWQM (Lorax, 2022a). Any departures from the assumptions or inputs to the 2022 FEIS WBWQM are summarized in the following section.

2.1 Model Inputs and Data Sources

The following section provides references for model inputs used for the WBWQM update. Many of these inputs have been updated from the 2022 FEIS WBWQM (Lorax, 2022a). A summary of updates between the 2022 FEIS and NWB WBQMs are provided in Table 2-1.

Mine Site Layout and Physical Features

- Meliadine Extension semi-annual mine plan site layouts (Tetra Tech 2022a). The end of mine life (2043) mine site layout is shown in Figure 2-1.
- Pond nomenclature updated (Tetra Tech, 2022a).
- The delineation of both the natural and mine-altered watershed areas was updated to reflect the optimized annual Extension layouts (Appendices A and B).

Water Management

- Waterline management strategy for the Waterline as defined in Agnico Eagle (2022a) based on the adaptive management plan and to meet Term and Condition 25.
- The 2022 FEIS WBWQM has been refined to integrate the comments from intervenors (KivIA), particularly with respect to optimizing the discharges to Itivia Harbour via the Waterline to reduce operational discharges to Meliadine Lake. Most water management was unchanged from what was assumed in the 2022 FEIS WBWQM with few notable exceptions related to refinements in infrastructure and water management strategies to

address technical comments arising from the NIRB review process (Agnico Eagle 2022b). The updates are summarized in Table 2-1.

- Annual mine layouts and sub-catchment areas are presented in Appendix A.
- Water management infrastructure and design specifications are defined by the Water Management Design Basis Report (Tetra Tech, 2022a).
- Managed and passive flows are summarized by wire diagrams used in the NWB WBWQM model and provided in Appendix B.

Water Balance

- Daily climate data prepared by Okane Consulting (OKC, 2022a-c) (with precipitation updated by Tetra Tech; 2022b).
- Watershed model sub-module generated runoff series, including pond ice growth and melt formulations (Lorax, 2022a).
- Estimates of runoff and net percolation based on OKC's landform modelling for the TSF and WRSFs (OKC, 2022a-b);

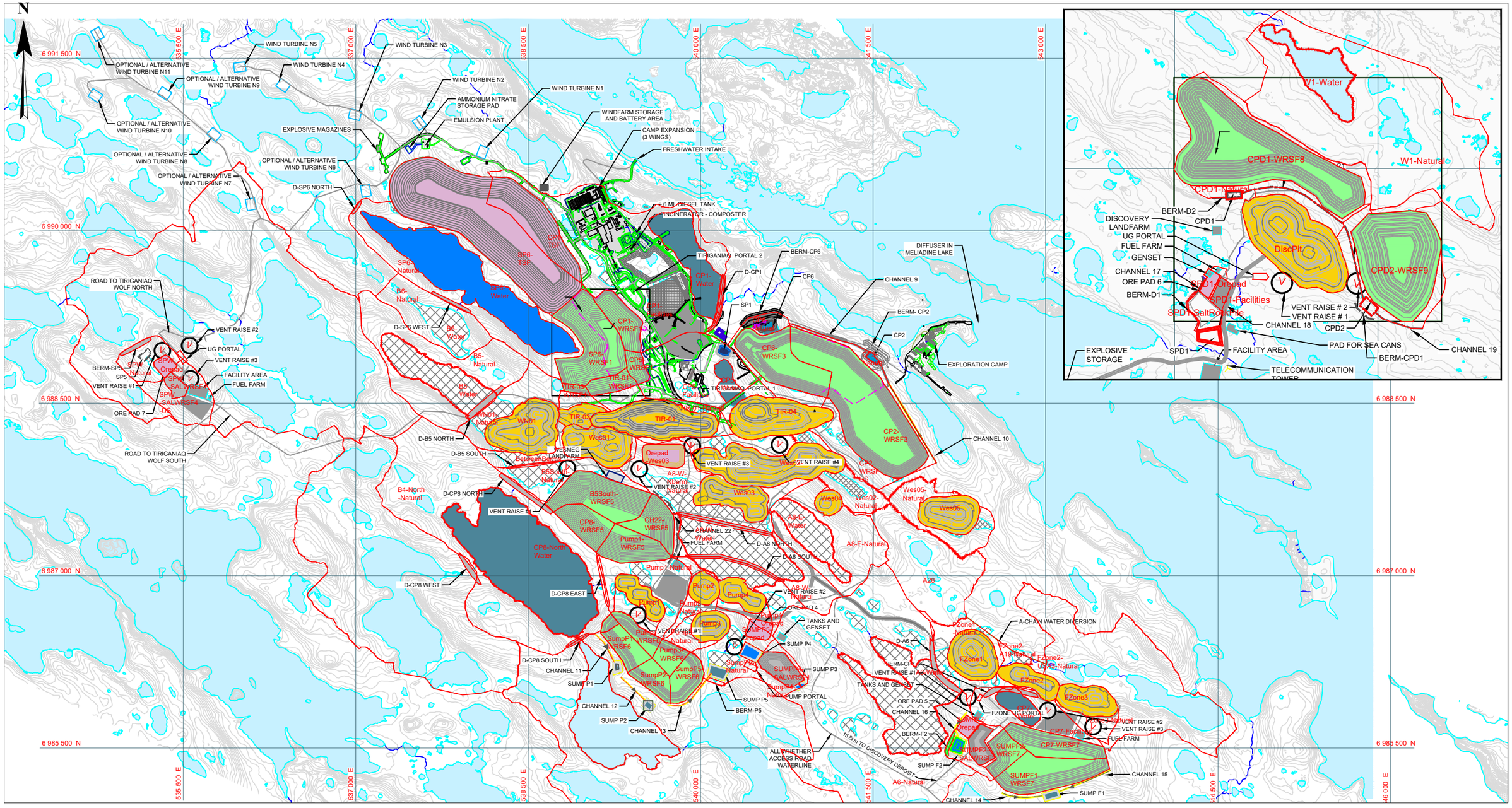
Groundwater

- Modelled base case groundwater inflows to underground workings and TDS predictions (WSP Golder, 2022). These modelled underground inflows were adjusted to reflect moisture entrained in ore and drilling brine re-circulation, based on operational monitoring data (Agnico Eagle, 2022c).

Source Terms and Water Quality

- Non-contact water quality developed from baseline monitoring data (Lorax, 2022a).
- Source terms developed for the 2022 FEIS WBWQM described in the Geochemical Characterization and Source Term Report (Lorax, 2022b) are applied herein with few notable updates. Updates are generally related to changes to the mine site layout, mine facility water balance, thermal modelling profiles, and final kinetic testing results. Source term updates are described in Appendix C.3.

Many of the above listed model inputs have been updated since the 2022 FEIS WBWQM as presented in Lorax (2022a). Model updates completed in support of the Meliadine Extension submission to the Nunavut Water Board are summarized in Table 2-1.



LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- ROAD
- ROAD TOE
- ROAD CREST
- HYDRO LINE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATER
- DEWATERED
- APPROVED DIFFUSER
- VENT RAISES
- OPEN PITS COMPLETED
- OPEN PITS IN PROGRESS
- TAILINGS STORAGE FACILITY IN PROGRESS
- WASTE ROCK STORAGE FACILITY COMPLETED
- WASTE ROCK STORAGE FACILITY IN PROGRESS

DATE SAVED:	Nov 02, 2022
DRAWN BY:	GM
REVIEWED:	SJ
VERSION:	1

Original Figure:
Figure 24. *2043 Year Over Site Layout.*
Produced Apr 29, 2021 by Golder.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Balance Layout - 2043

PROJECT #: A574-3

FIGURE: 2-1

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Table 2-1:
Meliadine Extension water balance and water quality model updates for Nunavut Water Board submission

Category	Component	Updates
Water Treatment and Discharge	Itivia Harbour Discharge	• Discharge window of June 20th to September 29th at 20,000m^3/day beginning in 2025 when the Waterline becomes operational, to reflect current operational management. This discharge window has been extended from the 2022 FEIS WBWQM model which assumed July 15th to September 30th, and Waterline completion has been delayed from 2023 to 2025. • No trucking of saline water to Itivia Harbour is assumed, instead, saline water is stored in TIRI02 Pit prior to the Waterline becoming operational in late-June 2025. The 2022 FEIS WBWQM assumed a trucking rate of 1,600 m^3/day for July 15 to September 30 prior to Waterline completion. • Waterline remains available for first two years of Active Closure (2044 and 2045). The 2022 FEIS WBWQM assumed that the Waterline was closed at the end of Operations. • The saline effluent treatment plant (SETP) treats TSS to ≤ 15mg/L and will treat NH_3 as necessary to meet end-of-pipe water discharge limits although no treatment efficiency is incorporated into the GoldSim model. The 2022 FEIS WBWQM assumed treatment of TSS to ≤ 15 mg/L and treatment of NH_3 to ≤ 10mg/L. • Waterline model logic has been modified in several ways to minimize discharge to Meliadine Lake. o Saline water stored in TIRI02 was prioritized for discharge in 2025 once the Waterline is available. o SP6 discharges via the Waterline are prioritized over discharges from CP1 but the amount of Waterline capacity reserved for SP6 varies from 25%-100% depending on time of year and pond level. Any unused capacity in the Waterline is utilized by water from CP1. o CP1 volume is targeted to remain below the maximum operating water level (MOWL) volume (742,075 m^3). When water levels need to be drawn down, water is first directed to the Waterline (if available capacity) or to the EWTP (and Meliadine Lake).
	Meliadine Lake Discharge	• Discharges from CP1 to Itivia Harbour via the Waterline are prioritized and maximized over discharges to Meliadine Lake. • The EWTP has a discharge window of June 1st to October 7th at 22,000 m^3/day for the duration of mine Operations. • Both the 2022 FEIS and NWB WBWQM assumed the EWTP treats TSS to ≤ 15 mg/L.
Physical Mine Features	Open Pits	• Pit shell volume-elevation-curves (VECs) and spill points refined to more accurately capture interaction with surrounding topography. • Pit wall runoff coefficient reduced to 0.50 (from 0.70 used in 2022 FEIS WBWQM) based on monitoring data from Whale Tail
	WRSFs	• Update sub-catchment areas in model to reflect updated mine site layouts (Tetra Tech, 2022a) o Minor changes to WRSF footprints to respect setbacks with adjacent water bodies o Discovery WRSFs repositioned to avoid gravity drainage to Lake W1 in Post Closure, and Discovery waste rock placed into two facilities (WRSF8 and WRSF9). • Passive flow pathway between WRSF5 and A8-West removed – WRSF drainage now collected by Channel 22 and routed to PUMP01
	TSF	• Minor changes to TSF footprint (refer to annual layouts; Appendix A1) • No changes to modelled TSF runoff and interflow depths
Geochemical Source Terms	Operations and Closure	• Source terms were updated to incorporate the following additional information and mine plan updates: o Water balance update for generic WRSF and Discovery WRSF (OKC, 2022b) o Thermal modelling update for Discovery WRSF (OKC, 2022c) o Additional WRSF at Discovery (WRSF8) (Tetra Tech, 2022b) o Groundwater inflow rates and TDS (WSP Golder, 2022) o Kinetic testing program final results incorporated into source term calculations (OKC, 2022d)
Water Management	Operations	• STP discharges (299 m^3/day) and surface contact water collected in CP3, CP4, and CP5 routed to TIRI02 until SP6 is online in 2025, then routed to SP6 • SP6 MOWL increased to 63.1 m from 62.7 m, resulting in an increase in total storage volume to 1.09 Mm^3 from 0.867 Mm^3 assumed in the 2022 FEIS WBWQM and pond design. • Modelled underground inflows predicted in WSP Golder (2022) adjusted to reflect moisture entrained in ore and drilling brine re-circulation, based on operational monitoring data (Agnico Eagle, 2022c). This results in reduced underground mine dewatering rates compared to the 2022 FEIS WBWQM which assumed dewatering rates would be equal to predicted groundwater inflow to underground mines. • Lake dewatering removed from mine water management system. This water will be managed through a separate TSS treatment system if required and discharged directly to Meliadine Lake. • Mine pits will passively flood once mining is complete in the pit and in any underlying underground mine workings with hydrogeologic connections (Section 2.2.1). The 2022 FEIS WBWQM assumed that all pits were dewatered for the duration of Operations.
	Closure	• Revised Post Closure routing for PUMP pits to maintain height of land between watershed A and watershed B o PUMP04 to West-A8, PUMP03, PUMP02 and PUMP01 route to B4 • Modified Post Closure routing for WN01-B5 Lake Complex to maintain height of land between watershed A and watershed B o WN01-B5 Lake to routes to B4 • TIRI04 directed to TIRI Pit Lake in Post Closure instead of WES01 pit complex • WES04 (1 month) and PUMP01 (3 months) are dewatered to Itivia Harbour via the Waterline at beginning of Active Closure then flooded with Meliadine Lake water • CP7 to be flooded with Meliadine Lake water during Active Closure • CP1 water routed to TIRI04 during Active Closure (beginning in 2044) at the same rate as it was routed to the EWTP during Operations. Once full, additional spillover flows routed to TIRI01 which merges with the larger TIRI lake complex after 2051

2.2 Water Management Assumptions

The mine water management plan is based upon two guiding principles: diverting clean (non-contact) water away from mine infrastructure where possible, and separating the two mine affected water types, as below and as shown in Figure 2-2. The WBM replicates the Normal Operating Conditions as defined in the *Adaptive Management Plan for Water Management* (Agnico Eagle, 2022a).

2.2.1 Operations Water Management and Flow Paths

Surface Contact Water: Surface contact water originating from developed areas will be intercepted and conveyed to the various collection ponds for temporary storage. The primary mine sources of surface contact water are the WRSFs, open pit dewatering, a portion of the TSF, laydown areas and facilities areas. All surface contact water is eventually conveyed to CP1. From CP1, surface contact water is routed through the Effluent Water Treatment Plant (EWTP) and discharged to the receiving environment. Discharge to Itivia Harbour is prioritized, with the remainder discharged to Meliadine Lake (Agnico Eagle, 2022a). At the Discovery site, surface contact and saline contact water will be managed in the Discovery saline pond (SPD1) and routed to SP6 for discharge to Itivia Harbour.

Saline Contact Water: Saline contact water originating from the underground mines will be pumped to saline contact water ponds (SPs) on the surface, and then routed to either TIRI02 (prior to 2025) or SP6 (2025 onwards). In addition to underground dewatering flows, saline contact water is generated by the ore pads, saline WRSFs, and the TSF (2025 onwards). All saline contact water will be eventually conveyed from TIRI02 or SP6 to the SETP, where it will be treated for total suspended solids (TSS) and potentially ammonia (NH_3) prior to discharge to the receiving environment (Itivia Harbour).

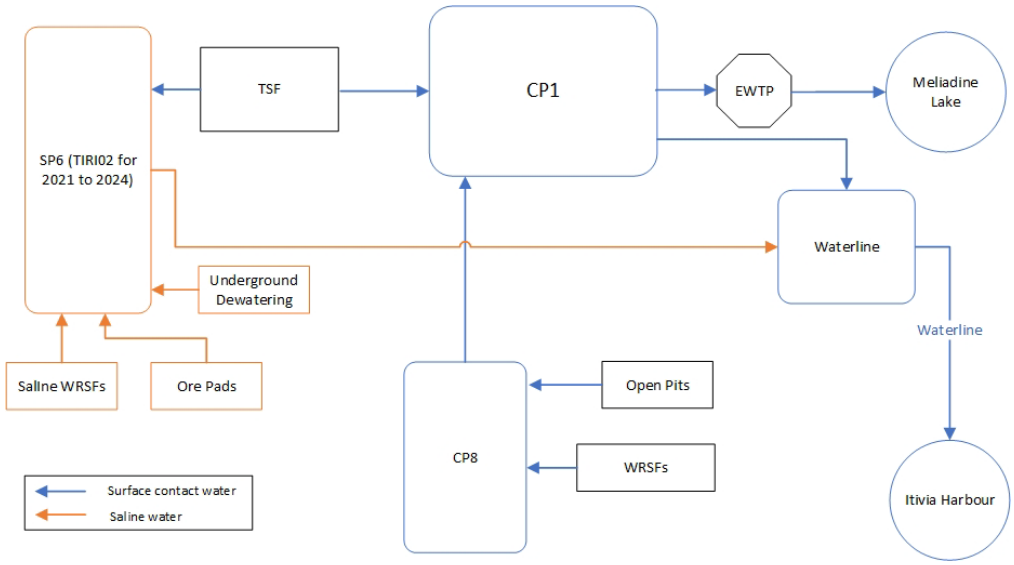


Figure 2-2: Conceptual site water management flow diagram for the Operations phase (simplified)

2.2.1.1 Collection Ponds and Pump Rates

Surface contact water is collected and routed through a series of collection ponds, with the Meliadine Extension mine infrastructure surface contact water routed to CP8, which is then transferred to CP1 prior to treatment and discharge. Saline contact water from the underground workings and saline WRSFs is collected by saline ponds (SPs). The key surface water and saline collection pond areas and berms are summarized in Table 2-1, along with a summary of pond and sump design volumes and routing (Table 2-2 and Table 2-3), followed by the design pump rates associated with each pond/sump (Table 2-4). Pond volumes, operating criteria and pumping rates were provided by Tetra Tech and approved by Agnico Eagle.

Surface contact water generated by the Pump mine area is collected in CP9 (located in the footprint of the PUMP01 pit), before being routed to CP8. Runoff and interflow from WRSF6 are collected by SUMPP1 and SUMPP2, which also route to CP8 (Figure 2-3).

The primary surface contact water collection pond for the F Zone mine area is CP7, which collects pit dewatering flows, as well as runoff and interflow from WRSF7 via SUMPF1. CP7 is routed to CP8 (Figure 2-3).

At the Discovery mine area, pit dewatering is directed to CPD1, and runoff and interflow from WRSF8 and WRSF9 is collected by CPD1 and CPD2, respectively, which route to SPD1 (Discovery Saline Pond), along with underground dewatering flows, prior to being pumped to SP6 (Figure 2-3). The full Extension Operations annual pit and underground mining and water management schedule is provided for reference in Table 2-5.

Table 2-2:
Existing (end of 2022) collection ponds for Meliadine Mine

Mine Plan	Pond/Treatment	Source Water	Design Volume (m^3)	Operation Period	Receives Water From	Routes Water To
2020 Water Licence Amendment (Existing Mine Layout)	CP1	Contact Water	742,075	2017 to Mine Closure	Landfill and Landfarm	EWTP and SP1
					Industrial and Laydown Area	
					Sewage Treatment Plant	
					D-CP1	
					CP3	
					CP4	
					CP5	
					CP6	
					CP8	
					EWTP re-circ	
	CP2	Contact Water	64,000	Freshet 2022 to Mine Closure	WRSF3	CP1
	CP3	Contact Water	40,000	2019 to 2026 – covered by TSF	TSF	TIRI02/SP6
	CP4	Contact Water	49,100	2019 to 2026 - covered by WRSF1	WRSF1	TIRI02/SP6
	CP5	Contact Water	80,320	2017 to Mine Closure	WRSF1	TIRI02
					TIR-01	
	CP6	Contact Water	32,757	2020 to Mine Closure	WRSF3	CP1
	SP1	Saline Water	32,686		Underground	SETP
					TIRI02	
					Tiriganiaq-1 underground	
					SP4	
	SP3	Saline Water	9,856		SETP	Itivia Harbour
	SP4	Saline Water	233,122	Located in Tiri-1 Pit, decommissioned in Q2 2021, water routed to TIRI02	Underground	SP1
	TIRI02	Saline Water	1,616,554		Underground	SP1
					CP3	
					CP4	
					CP5	
					STP	
	EWTP	Contact Water	22,000 m^3/day	2018-2019 = 520 m^3/h, upgraded to 916 m^3/hr in Q2 2020	CP1 and RO Plant	
	SETP	Saline Water	1,600 m^3/day	Upgraded to 20,000 m^3/day (dependant on water line approval - 2025)	SP1 and SP4 (also EWTP and CP1)	Itivia Harbour

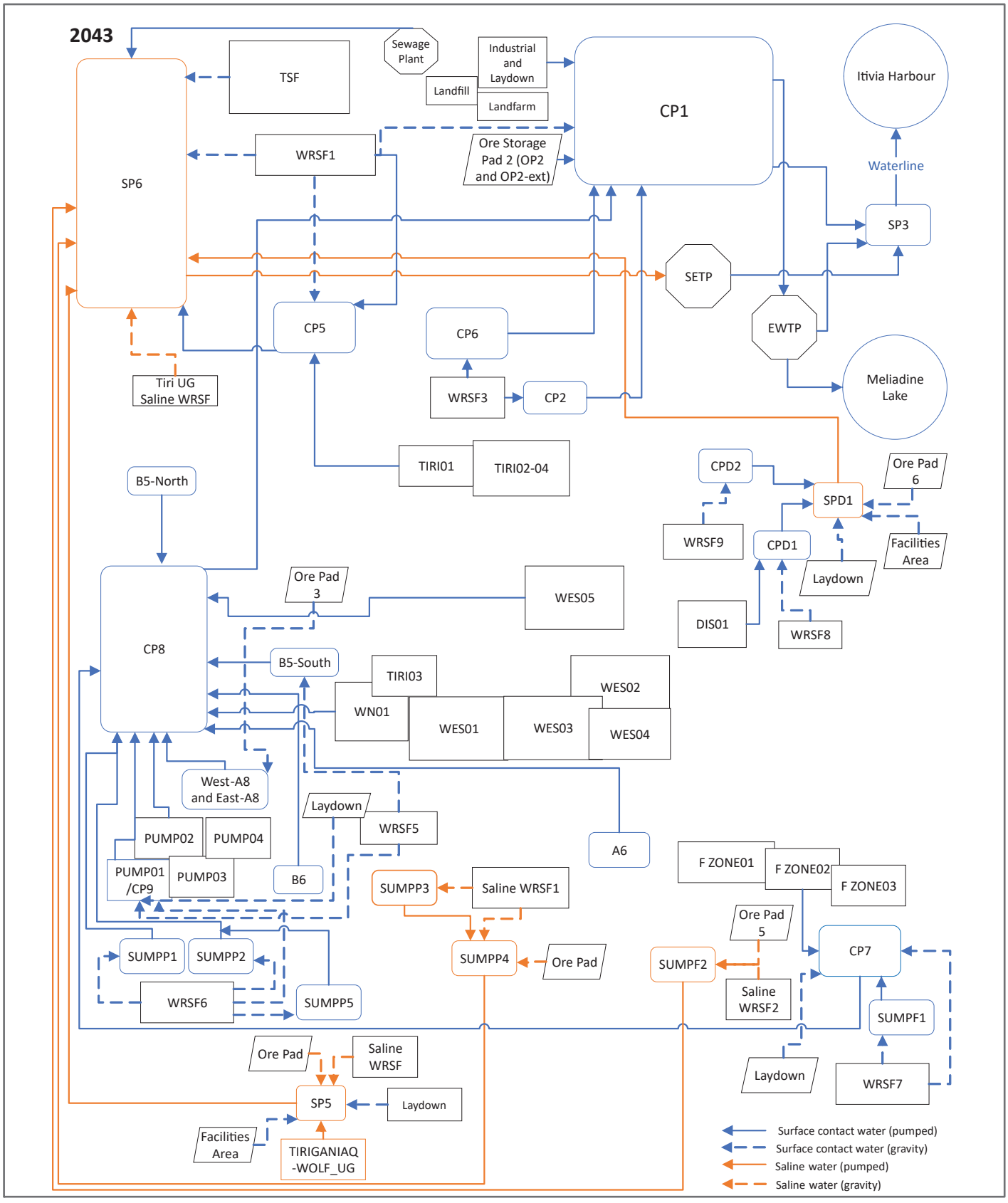
Table 2-3:
Collection ponds for Meliadine Extension

Mine Plan	Pond/ Treatment	Source Water	Design Volume (m^3)	Receives Water From	Routes Water To
Meliadine Extension Layout	Collection Pond CP8	Contact Water	2,366,729	CP7	CP1, which discharges (in order of priority) to Itivia Harbour via Waterline, then Meliadine Lake via EWTP
				CP9/PUMP01	
				PUMP02	
				PUMP03	
				PUMP04	
				WN01	
				WES01	
				WES02	
				WES03	
				WES04	
				WES05	
				TIR03	
				A6	
				A8-East	
				A8-West	
				B5-North	
				B5-South	
				Lake B6	
				SUMPP1	
				SUMPP2	
				SUMPP5	
	West-A8	Contact Water	Dewatered	Ore Pad 3	CP8
	B5-South	Contact Water	30,000	WRSF5	CP8
	Saline Pond SP6	Saline Water	1,092,748	SUMPP4	Waterline to Itivia Harbour
				SUMPF2	
				SP5	
				SPD1	
				TIRI_UG	
				Tiriganiaq Saline WRSF	
				TSF	
				WRSF1	
	CP9/PUMP01 pit	Contact Water	100,000	WRSF5	CP8
				WRSF6	
				PUMP Area Laydown	
	CP7	Contact Water	140,000	FZONE01	CP8
				FZONE02	
				FZONE03	
				SUMPF1	
	SUMPP1	Contact Water	7,000	WRSF6	CP8
	SUMPP2	Contact Water	7,000	WRSF6	CP8
	SUMPP3	Saline Water	3,000	FZONE Saline WRSF1	SUMPP4
	SUMPP4	Saline Water	50,000	Saline WRSF1, PUMP_UG, Ore Pad	SP6
	SUMPP5	Contact Water	44,000	WRSF6	CP8
	SUMPF1	Contact Water	15,000	WRSF7	CP7
	SUMPF2	Saline Water	40,000	FZONE UG, Ore Pad, Saline WRSF2	SP6
Discovery Area	SPD1	Saline Water	60,000	Ore Pad 6 (Discovery)	SP6
				DISC UG	
				CPD1	
				CPD2	
				Saline WRSF3 (Discovery)	
				Laydown Area (Discovery)	
				Facilities Area (Discovery)	
	CPD1	Contact Water	51,000	WRSF8	SPD1
				Discovery Pit	
	CPD2	Contact Water	30,000	WRSF9	
Tiriganiaq-Wolf Area	SP5	UG Saline	90,000	Saline WRSF (Tiriganiaq-Wolf)	SP6
				Tiriganiaq-Wolf UG	
				Laydown Area (Tiriganiaq-Wolf)	
				Facilities Area (Tiriganiaq-Wolf)	
				Ore Pad (Tiriganiaq-Wolf)	

Table 2-4:
Collection Pond pump rates

Pumping From	Pumping To	Design Pump Rate (m^3/day)	
		Primary[1]	Secondary[2]
CP2	CP1	18,000	2,500
SP6	Waterline	20,000	
Lake B6	CP8	3,500	
North B5	CP8	5,000	
South B5	CP8	5,000	
West-A8	CP8	15,000	4,000
East-A8	CP8	8,000	3,000
CP9	CP8	4,000	
Sump P1	CP8	2,300	
Sump P2	CP8	2,200	
Sump P5	CP8	5,000	
Lake A6	CP8	23,000	6,000
CP7	CP8	10,000	3,500
CP8	CP1	30,000	
Sump P3	Sump P4	1,000	
Sump F1	CP7	4,800	
Sump P4	SP6	4,000	
Sump F2	SP6	3,000	
SP5	SP6	2,400	
CPD1	SPD1	4,500	
CPD2	SPD1	500	
SPD1	SP6	2,000	
Lake A19	Lake A3	9,000	2,000

Notes:
[1]Main pump sized for 1:100 wet-year freshet management
[2]Secondary pump sized for summer operation



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LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - 2043

PROJECT #: A667-1

FIGURE: 2-3

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Table 2-5:
Open pit and underground mine water management schedule

Calendar Year	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Mine Year	-4	-3	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Approved Mining	M	M	M	M	M																			
TIRI02	M	Saline contact water storage				M	M	D	D	D	D	D	D	D	D	D	D	D	x	x	x	x	x	x
TIRI01	-	M	M	M	M	M	M	M	D	D	D	D	D	D	D	D	D	D	x	x	x	x	x	x
TIRI03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	M	x	x	x
TIRI04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M
TIRI UG	-	-	-	-	U	U	U	U	U	U	U	U	U	U	U	U	U	U	x	x	x	x	x	x
TIRI-Wolf UG	-	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U	U	U	U	U	U	U	U
WES04	-	-	-	-	M	M	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
WES01	-	-	-	-	-	M	M	M	M	D	D	D	D	D	D	D	D	D	x	x	x	x	x	x
WN01	-	-	-	-	-	-	M	M	M	M	M	D	D	D	D	D	x	x	x	x	x	x	x	x
WES02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	M	x	x	x
WES03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	x	x	x
WES05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	M	x	x
PUMP03	-	-	-	-	-	-	-	-	M	M	M	D	D	D	D	D	x	x	x	x	x	x	x	x
PUMP01	-	-	-	-	-	-	-	-	-	M	M	M	x	x	x	x	x	x	x	x	x	x	x	x
PUMP02	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	x	x	x	x	x	x	x	x
PUMP04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	x	x	x	x	x	x	x
PUMP UG	-	-	-	-	-	-	-	-	-	U	U	U	U	U	U	U	x	x	x	x	x	x	x	x
F ZONE01	-	-	-	-	-	-	-	-	-	-	M	M	M	M	M	D	D	D	D	D	x	x	x	x
F ZONE02	-	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	M	D	D	D	x	x	x	x
F ZONE03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M	D	D	D	x	x	x	x
F ZONE UG	-	-	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U	U	U	x	x	x	x
Discovery	-	-	-	-	-	-	-	-	-	-	-	M	M	M	M	M	M	x	x	x	x	x	x	x
Discovery UG	-	-	-	-	-	-	U	U	U	U	U	U	x	x	x	x	x	x	x	x	x	x	x	x

M = Open pit (OP) mining and dewatering
D = finished mining (OP), still dewatering
U = Underground mining
x = finished mining (UG or OP), no dewatering
- = Pre-mining

2.2.1.2 Underground Flows

Dewatering began in June 2018 as the Tiriganiaq underground was advanced, with dewatered volumes increasing steadily over time. Timing of peak dewatering does not appear to be consistent from year-to-year, however the highest dewatering rates typically occur between April and July. Underground dewatering is monitored using in-line totalizers with the monthly volumes is summarized in Table 2-6.

Table 2-6:
Monthly underground dewatering volumes (2018-2022)

Month	2018	2019	2020	2021	2022
January	0	2,718	534	9,021	8,928
February	0	1,629	2,906	8,148	8,064
March	0	1,297	10,393	9,021	8,928
April	0	2,697	29,313	8,730	8,640
May	0	4,063	16,773	9,021	8,928
June	2,417	5,737	11,628	8,730	8,640
July	10,337	8,064	7,909	9,021	8,928
August	7,711	5,417	5,255	9,021	8,928
September	9,615	4,304	5,446	8,730	8,640
October	3,453	47	4,002	9,021	8,928
November	3,346	245	3,093	8,730	-
December	891	814	6,233	9,021	-
Total	**37,770**	**37,031**	**103,484**	**106,215**	**87,552**

Underground dewatering volumes and salinity concentrations associated with future mine development were predicted using a 3D groundwater model (WSP Golder, 2022). The base case predicted inflows were subsequently adjusted to account for the calculated difference between the predicted and measured underground inflows over the 2020-2022 period in Agnico Eagle, (2022c). This is equivalent to an approximate ratio of 0.74 (measured: modelled). Further losses to ore moisture (assumed to equal 2% of ore mass are also applied, resulting in the adjusted values in Table 2-7. Owing to the elevated TDS of the groundwater system (Table 2-8) dewatering of all underground mines will be managed to SP6 and the saline water management system.

Table 2-7:
Predicted daily underground dewatering volumes for Meliadine Extension

Year	Predicted Groundwater Inflow (m^3/day)						
	Tiriganiaq	Wesmeg	Wesmeg North	F-Zone	Pump	Tiriganiaq-Wolf	Discovery
2022	217	18	-		-	-	-
2023	306	35	18	-	-	-	-
2024	373	53	18	-	-	-	-
2025	586	35	18	-	-	-	-
2026	909	51	16	-	-	-	35
2027	1,013	68	17	-	-	-	66
2028	894	77	17	-	-	-	128
2029	860	49	12	-	18	-	122
2030	849	42	14	-	69	-	130
2031	828	81	16	-	77	-	0
2032	829	61	15	-	73	-	-
2033	818	58	17	0	90	-	-
2034	794	65	18	32	93	18	-
2035	775	68	16	83	95	33	-
2036	759	66	18	69	-	83	-
2037	759	75	18	70	-	92	-
2038	-	-	-	87	-	89	-
2039	-	-	-	91	-	107	-
2040	-	-	-	-	-	109	-
2041	-	-	-	-	-	127	-
2042	-	-	-	-	-	130	-
2043	-	-	-	-	-	137	-

Source: Provided by Agnico Eagle (2022c), modified from WSP Golder (2022)

Table 2-8:
Predicted underground total dissolved solids (TDS) concentrations for Meliadine Extension

Year	Predicted Groundwater TDS (mg/L)						
	Tiriganiaq	Wesmeg	Wesmeg North	F-Zone	Pump	Tiriganiaq-Wolf	Discovery
2022	58,000	59,000	-		-	-	-
2023	58,000	58,000	49,000	-	-	-	-
2024	57,500	58,500	32,500	-	-	-	-
2025	54,000	58,500	49,500	-	-	-	-
2026	50,500	57,500	43,500	-	-	-	56,500
2027	50,500	55,500	9,500	-	-	-	58,000
2028	52,000	55,500	8,500	-	-	-	57,500
2029	53,000	55,000	8,000	-	58,500	-	58,000
2030	54,000	54,000	7,000	-	56,500	-	58,500
2031	55,000	46,500	5,500	-	56,000	-	-
2032	55,500	45,500	5,500	-	54,500	-	-
2033	56,000	45,000	5,000	-	52,000	-	-
2034	56,500	44,000	4,000	52,500	51,000	59,500	-
2035	56,500	43,500	3,500	56,000	51,000	48,000	-
2036	57,000	42,500	3,000	56,500	-	47,500	-
2037	57,500	41,500	3,000	57,000	-	46,000	-
2038	-	-	-	57,000	-	45,000	-
2039	-	-	-	56,500	-	46,000	-
2040	-	-	-	-	-	44,500	-
2041	-	-	-	-	-	43,500	-
2042	-	-	-	-	-	42,000	-
2043	-	-	-	-	-	40,000	-

Source: Provided by WSP Golder (2022)

2.2.2 Closure and Post-closure flow paths

Several modifications to the pre-mining flow paths are proposed for the Post Closure period. Many of the pit complexes will develop into conjoined lakes, and in some cases, these will join with surrounding lakes (Figure 2-4).

The summary of these conjoined lakes is as follows:

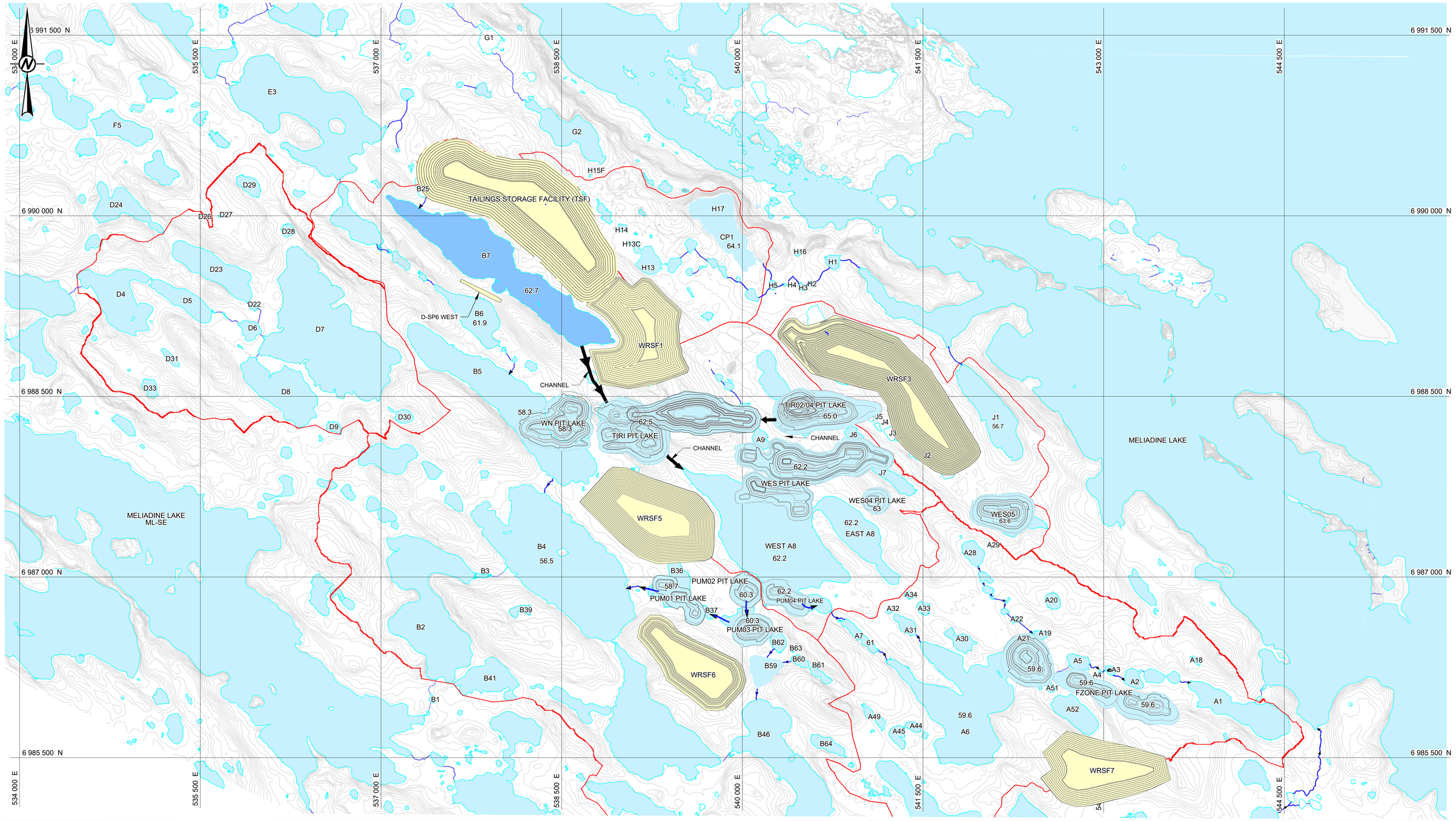
- WN01-B5 (NORWES Pit Lake)
- TIRI01-03-WES01 (Tiri Pit Lake)

- WES02-03 (WES Pit Lake)
- FZONE01-02-03 (F ZONE Pit Lake)

In Post-closure, the water management objective is to ensure that pit lake water balances are maintained in a neutral or positive state (*i.e.*, only fluctuating in response to climate with no active management), and to route the majority of the remaining surface contact water emanating from the TSF and WRSFs to the 'A' watershed (Figure 2-4 and

Figure 2-6). The general flow path (from NW to SE) is as follows:

- The NORWES Pit Lake drains westward to the WN01/B5 Pit Lake;
- The PUMP02 Pit Lake drains to the PUMP03 Pit Lake, which in turn drains to the PUMP01 Pit Lake, with final routing to Lake B4;
- SP6 will drain into the Tiri Pit Lake;
- This water then reports to A8-West Lake via the WES Pit Lake, along with the TIR02/04 Pit Lake and the WES04 Pit Lake (via Lake A8-East);
- These combined flows then report to Lake A7 via an engineered channel, and then into Lake A6;
- Lake A6 flows into the F ZONE Pit Lake, then to A1 and finally to Meliadine Lake;
- CP1 reports to Meliadine Lake, and Lake B4 receives minimal amounts of contact runoff from the PUMP01, 02 and 03 Pit Lakes, WRSF5 and WRSF6 before flowing into B2, and finally Meliadine Lake;
- The reclaimed Tiriganiaq-Wolf Mine area will drain to Lake D4 with a natural catchment flow and water quality signature; and,
- At Discovery, WRSF8 and WRSF9 drain passively to the Discovery Pit Lake, which in turn overflows to Lake CH6 (Figure 2-5 and Figure 2-6).



LEGEND

- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- PREDICTION NODES CATCHMENT
- WATER
- RECLAIMED MINE INFRASTRUCTURE

NOTE

1. ALL UNITS ARE IN METRES UNLESS OTHERWISE NOTED.

- CLOSURE DIVERSION CHANNEL
- WATER FLOW

0 500 1,000
1:15,000 METRES

NOT FOR CONSTRUCTION

CLIENT
AGNICO EAGLE MINES LIMITED

PROJECT
MELIADINE MINE EXTENSION

CONSULTANT
TETRA TECH

YYYY-MM-DD	2022/08/15
DESIGNED	HX
PREPARED	DBD
REVIEWED	HX
APPROVED	FN

TITLE
POST CLOSURE SITE LAYOUT YEAR 2051 TO 2060

PROJECT NO.	PHASE/TASK/DOC.	REV.
EARC03193-04	2022	1

Fig. 2-4 Post closure flow paths

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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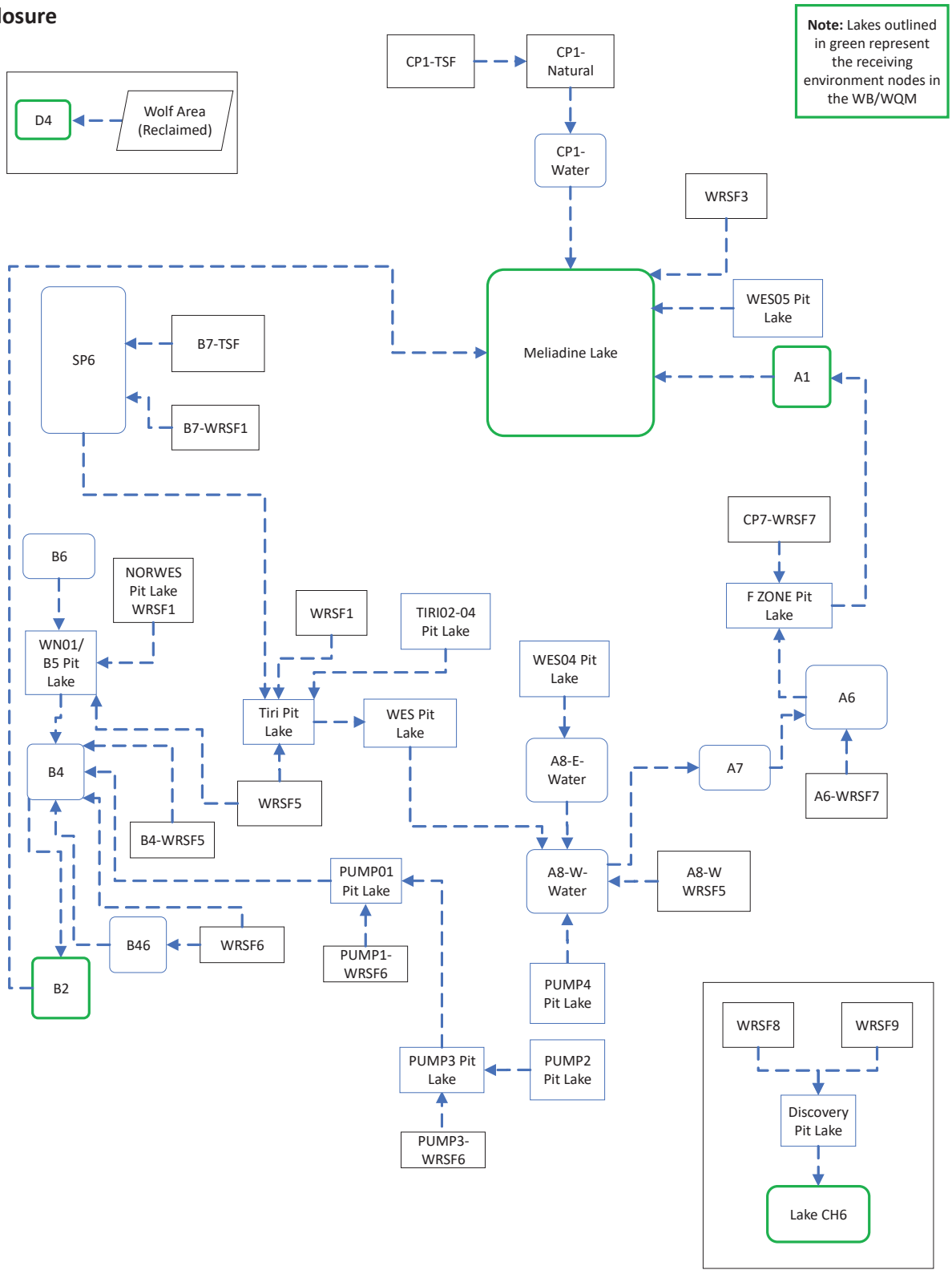
Closure



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PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - Closure

PROJECT #: A667-1

FIGURE: 2-6

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3. Water Balance Results

Water balance model results are presented in this section, with a focus on the annual operational discharges to Itivia Harbour and Meliadine Lake (Section 3.1), along with a comparison to the results previously presented in Lorax (2022a; Section 3.2). Operations phase water balance time-series are provided for the key saline (SP6) and surface contact water collection (CP8 and CP1) ponds, as well as tabular summaries of annual water balances for the remaining sumps, ponds and open pits (Section 3.3). Active Closure water management is presented in Section 3.3.3, with a focus on the filling of open pit voids with surrounding catchment runoff and water pumped from Meliadine Lake.

3.1 Operational Mine Water Discharge to Itivia Harbour and Meliadine Lake

All surface contact water collected in the CP1 Pond is routed to the EWTP for treatment, targeting removal of TSS, before discharge to the receiving environment. Throughout Extension Operations, discharge priority for surface contact water is via the Waterline to Itivia Harbour, with the objective of minimizing operational discharges to Meliadine Lake as outlined in the Adaptive Management Plan for Water Management (Agnico Eagle, 2022a). Under the Base Case RCP4.5 climate scenario, discharges to Itivia Harbour average 1.9 Mm^3, with 0.94 Mm^3 routed from SP6 and 0.9 Mm^3 routed from CP1 (Figure 3-1).

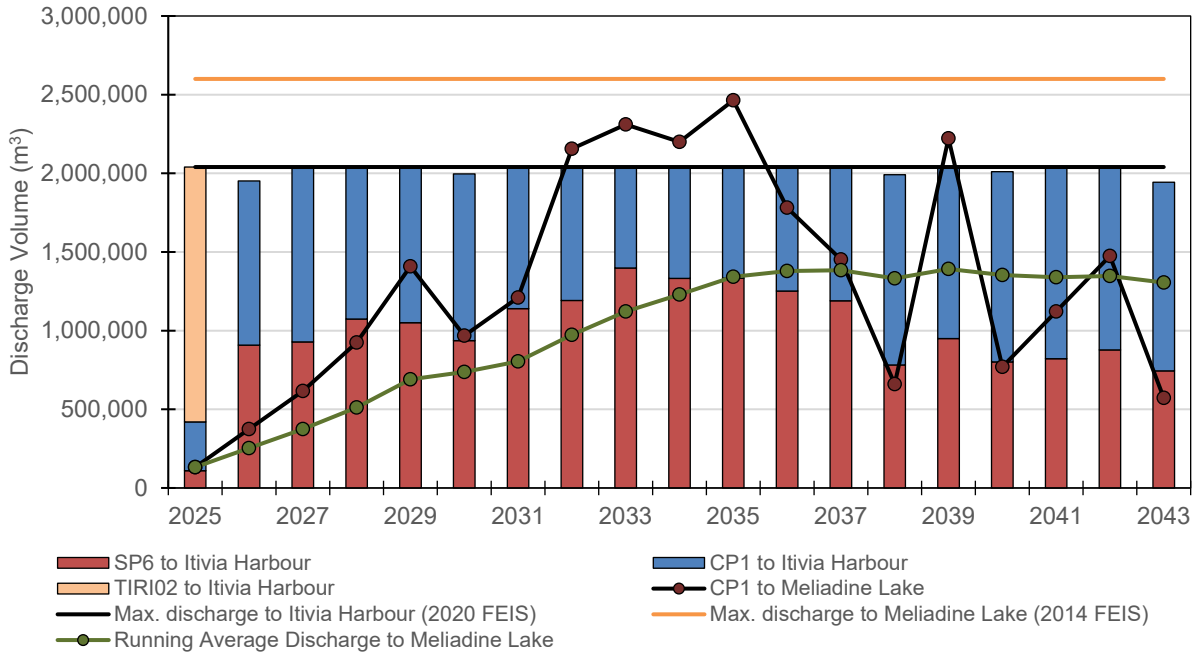

Figure 3-1: Annual discharges to Itivia Harbour from SP6 and CP1, and Meliadine Lake from CP1

Discharges to Meliadine Lake average 1.3 Mm^3/year, with the peak annual discharge of 2.5 Mm^3 occurring in 2035. Surface contact water discharges via the Waterline average 0.9 Mm^3/year, for a total average surface contact water discharge volume of 2.2 Mm^3/year (Figure 3-1).

The Meliadine Extension Operations period (2025-2043) can be separated into three periods, based on the mining sequence and associated dewatering requirements (Table 2-5).

Early Meliadine Extension (2025-2031);

- Saline water stored in TIRI02 pit is discharged as soon as the Waterline becomes available, dominating Waterline capacity in 2025;
- Mining of the TIRI01, WES04, WES01, WN01, PUMP01, and PUMP03 pits is completed, and mining begins at FZONE01 pit; and,
- Mining of the TIRI, PUMP, and Discovery undergrounds proceeds, with the latter reaching completion in 2031;

During the Early Meliadine Extension period, the mine area footprint is still limited relative to the full Extension area, with relatively limited pit dewatering required, but underground dewatering activities are near their predicted maxima, averaging 1,014 m^3/day. This permits a greater proportion of surface contact water to be discharged to Itivia Harbour than to Meliadine Lake. During this period, approximately equal amounts of surface contact water and saline water are discharged to Itivia Harbour, with approximately a 50/50 split in surface contact water routed to Itivia Harbour and Meliadine Lake (Table 3-1 and Figure 3-2). This period will allow further refinement of water balance predictions based on monitoring data, and optimization of water management practices at site, prior to the larger volumes requiring management that are anticipated during the 2032 to 2038 period.

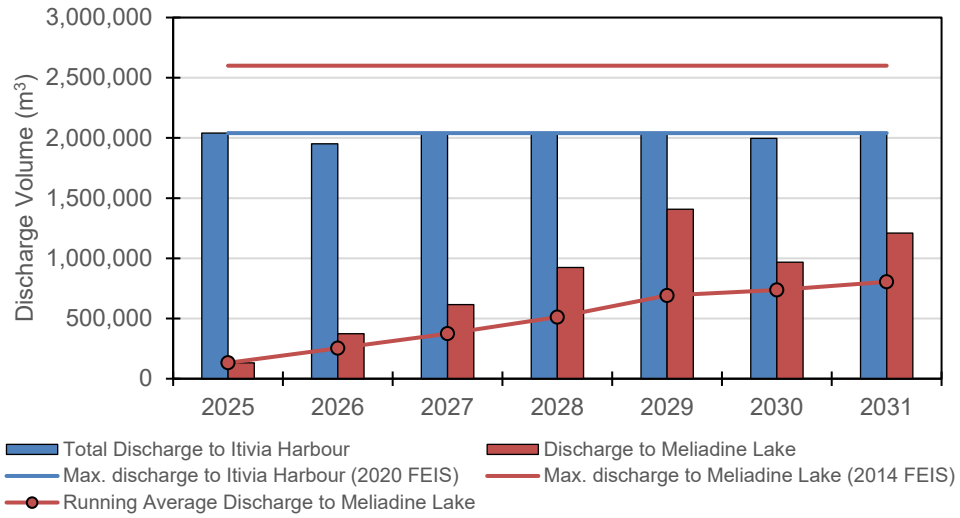

Figure 3-2: Annual discharges to Itivia Harbour and Meliadine Lake for the Early Meliadine Extension Operations Phase (2025-2031)

Mid-Meliadine Extension (2032-2038);

- Mining of PUMP02 and PUMP04, Discovery and all FZONE pits proceeds;
- Dewatering of TIRI01, TIRI02, TIRI03, WES01, WN01, PUMP03 pits required, in addition to those being actively mined;
- PUMP, FZONE, TIRI, and TIRI-Wolf underground mining proceeds, with the former completed in 2035.

From 2031 to 2039, underground dewatering rates are reduced slightly from the previous period average of 1,014 m^3/day to 891 m^3/day while the mine footprint has expanded to its full extent, along with multiple pits requiring ongoing dewatering. Dewatering will continue at inactive pits with connections to active underground mines (*i.e.*, TIRI01, TIRI02, TIRI03, WES01, WN01, PUMP03). Surface water contact volumes are at their predicted maxima, coincident with elevated saline water flows from the underground workings. This combination of factors limits the available capacity in the Waterline to discharge surface contact water from CP1, and so higher volumes of treated water must be discharged to Meliadine Lake to maintain the ponds within their operational water levels. During this period, approximately 60% of the Waterline discharge is comprised of saline water from SP6, and discharge of treated contact water from CP1 is split 70/30 between Meliadine Lake and the Waterline, respectively (Table 3-1 and Figure 3-3).

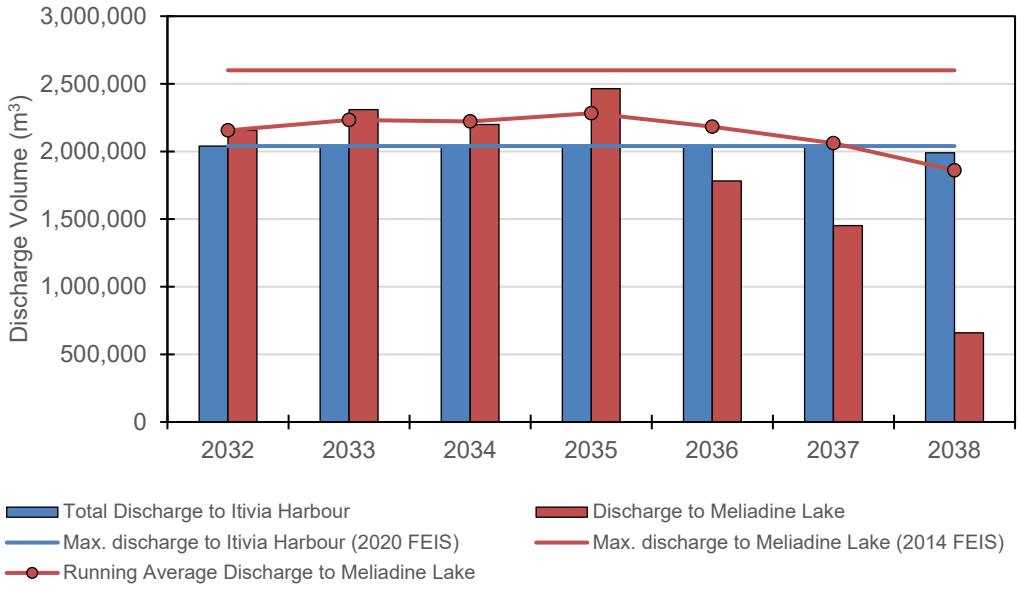

Figure 3-3: Annual discharges to Itivia and Meliadine Lake for the Mid-Meliadine Extension Operations Phase (2032-2038)

Late Meliadine Extension (2039-2043);

- TIRI03, TIRI04, WES02, WES03, WES05 pits are mined;
- Mining continues in TIRI-Wolf and FZONE undergrounds continues, with the latter complete in 2039;
- Dewatering of inactive pits no longer required, with the exception of the FZONE pits in 2039 only.

In the Late Meliadine Extension period, underground dewatering flows are predicted to be substantially reduced, averaging 140 m^3/day. Dewatering volumes from actively mined pits are also reduced, and the FZONE pits are only dewatered in 2039 during the last year of underground operations in this mine area. As a result, discharges to Meliadine Lake are reduced by approximately 30% relative to the 2032-2038 period. Approximately 42% of the Waterline discharge is comprised of saline water from SP6, and discharge of treated contact water from CP1 is split 50/50 between Meliadine Lake and the Waterline, respectively (Table 3-1 and Figure 3-4).

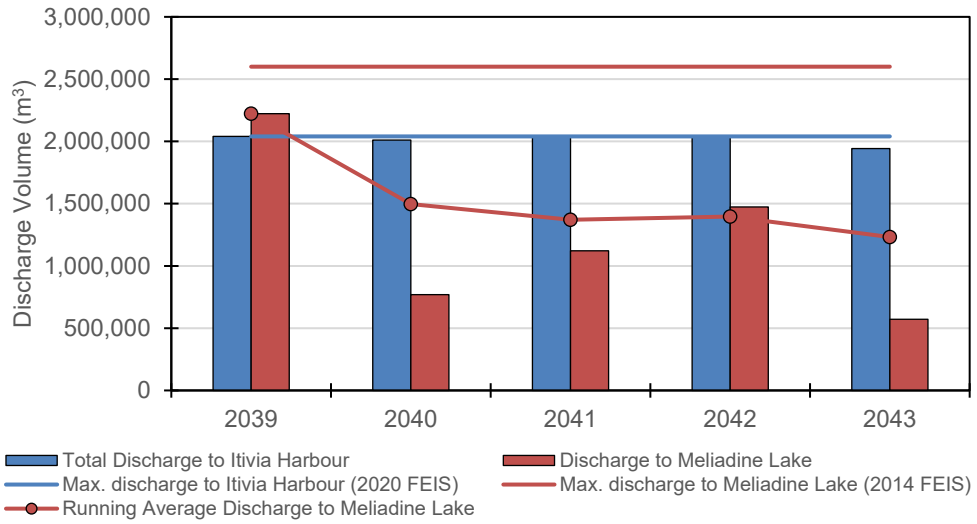

Figure 3-4: Annual discharges to Itivia Harbour and Meliadine Lake for the Late Meliadine Extension Operations Phase (2039-2043)

The model logic employed to manage discharges of saline and surface contact water Itivia Harbour seeks to maximize the Waterline capacity on a daily basis (see Table 3-1). The predicted peak discharge volume to Meliadine Lake occurs in 2035, and notably, is below that predicted in both the 2014 and 2022 FEIS submissions.

Total site discharge volumes (saline plus surface contact water) over the 2025 to 2043 Extension Operations period average 3.2 Mm^3 on an annual basis, with 40% of this volume routed to Meliadine Lake and 60% routed to Itivia Harbour.

Table 3-1:
Annual discharge volumes to Itivia Harbour and Meliadine Lake during Early, Mid and Late Operations phase.

Year	SP6 to Itivia Harbour	CP1 to Itivia Harbour	Total Discharge to Itivia Harbour	Discharge to Meliadine Lake
	m^3	m^3	m^3	m^3
Early Meliadine Extension Operations Phase				
2025	110,000	310,000	2,040,000	132,000
2026	908,000	1,043,126	1,951,126	374,000
2027	928,000	1,112,000	2,040,000	616,000
2028	1,074,000	966,000	2,040,000	924,000
2029	1,050,000	990,000	2,040,000	1,408,000
2030	936,000	1,059,920	1,995,920	968,000
2031	1,140,000	900,000	2,040,000	1,210,000
Total	**6,146,000**	**6,381,046**	**14,147,046**	**5,632,001**
Average	**878,000**	**911,578**	**2,021,007**	**804,572**
Mid Meliadine Extension Operations Phase				
2032	1,192,000	848,000	2,040,000	2,156,000
2033	1,398,000	642,000	2,040,000	2,310,000
2034	1,332,000	708,000	2,040,000	2,200,000
2035	1,333,000	707,000	2,040,000	2,464,000
2036	1,252,000	788,000	2,040,000	1,782,000
2037	1,190,000	850,000	2,040,000	1,452,000
2038	782,000	1,208,723	1,990,723	660,000
Total	**8,479,000**	**5,751,723**	**14,230,723**	**13,024,001**
Average	**1,211,286**	**821,675**	**2,032,960**	**1,860,572**
Late Meliadine Extension Operations Phase				
2039	950,000	1,090,000	2,040,000	2,222,000
2040	801,000	1,209,044	2,010,044	770,000
2041	822,000	1,218,000	2,040,000	1,122,000
2042	877,000	1,163,000	2,040,000	1,474,000
2043	744,000	1,198,948	1,942,948	572,000
Total	**4,194,000**	**5,878,992**	**10,072,993**	**6,160,001**
Average	**838,800**	**1,175,798**	**2,014,599**	**1,232,000**

3.2 Annual Discharge Comparison with 2022 FEIS

The mine plan adjustments and water management optimization undertaken during the updates described in this memo resulted in a 6% increase in discharge to Itivia Harbour (Figure 3-5), a 19% reduction in total discharge volumes to Meliadine Lake relative to the 2022 FEIS application

(Figure 3-6), and a 7% overall reduction in site discharges to Meliadine Lake and Itivia Harbour. This reduction in discharges to Meliadine Lake is the result of several factors, listed in order of importance:

1. Optimization of Waterline management;
2. Reduction in predicted underground dewatering rates, based on site monitoring data;
3. Increase in storage capacity of SP6; and,
4. Reduction in pit wall runoff coefficients.

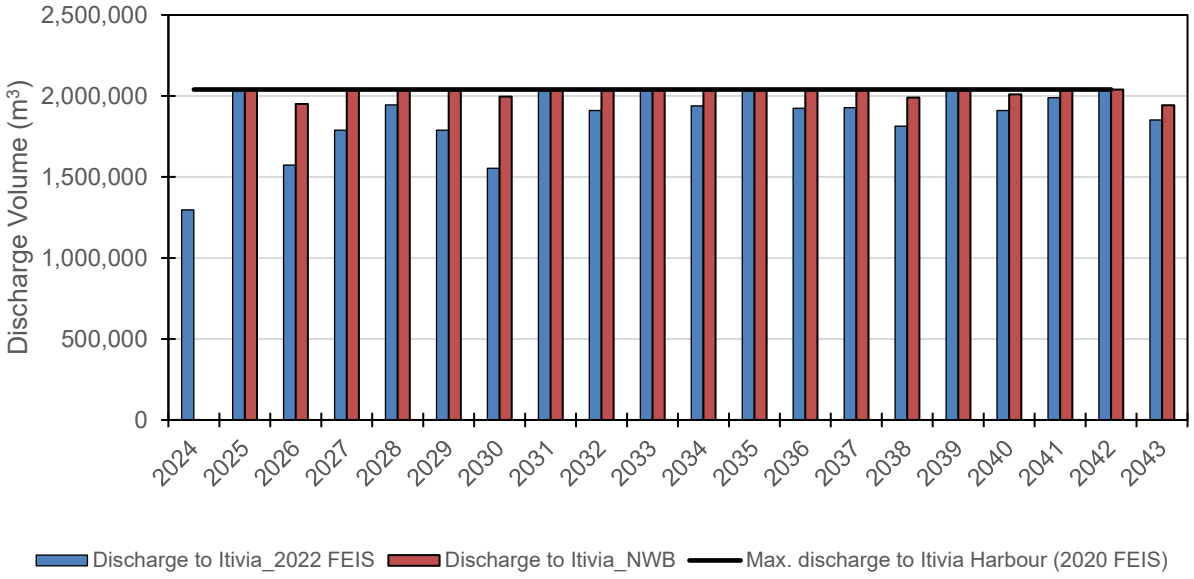

Figure 3-5: Annual discharges to Itivia Harbour for the 2022 FEIS submission, and the current NWB model

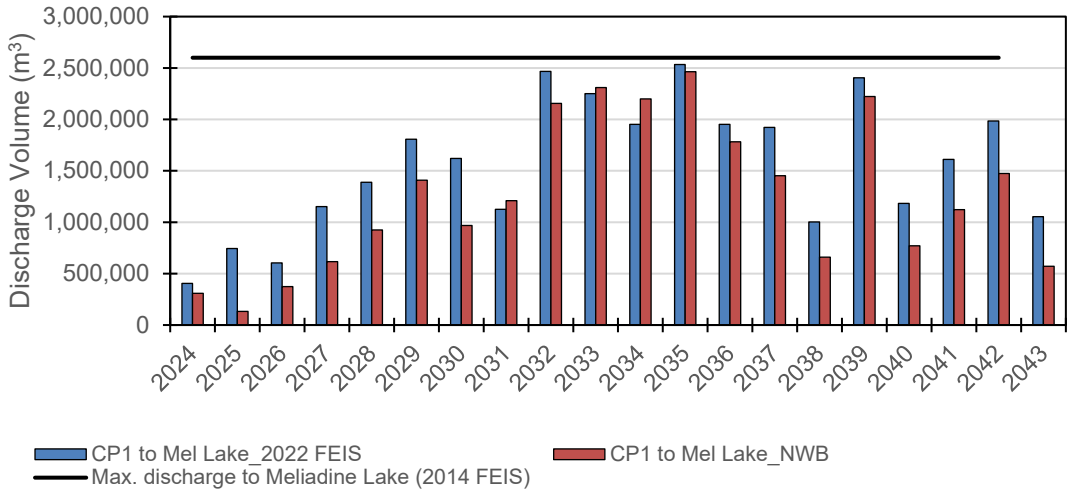

Figure 3-6: Annual discharges to Meliadine Lake for the 2022 FEIS WBWQM, and the current NWB model

3.3 Pond and Sump Water Balances

The water balance model results for the primary surface contact water and saline collection ponds are summarized in Sections 3.3.1 and 3.3.2, respectively. Section 3.3.3 presents the annual inflow/outflow water balances for the secondary collection ponds and sumps, and the annual open pit water balances are presented in Section 3.3.4.

3.3.1 Surface Water Collection Ponds

This section summarizes the water balances for the key surface water collection ponds (CP8 and CP1) for the Operations phase.

3.3.1.1 Collection Pond CP8

Lake B4 is dewatered in 2025 and converted to CP8 which serves as is the primary surface water collection pond for the remainder of the Operations phase. Excess surface contact water is routed to the CP1 collection pond for treatment via the EWTP, and subsequent discharge (in order of priority) to Itivia Harbour and Meliadine Lake. Pre-mining inflows to Lake B4 average 680,000 m^3/year, rising to an average of 2.1 Mm^3/year once pumping to CP8 is online in 2026 (Figure 3-7). The maximum predicted pond volume of 1.5 Mm^3, occurs in 2033 in response to a wetter than average year (473 mm of precipitation; 111% of the Operations phase average) and an expanded mine footprint. CP8 continues to serve as a surface contact water collection pond throughout the Active Closure phase (2044-2050), with water pumped to TIRI02/04, and is returned to its pre-mine condition and water balance prior to freshet 2051.

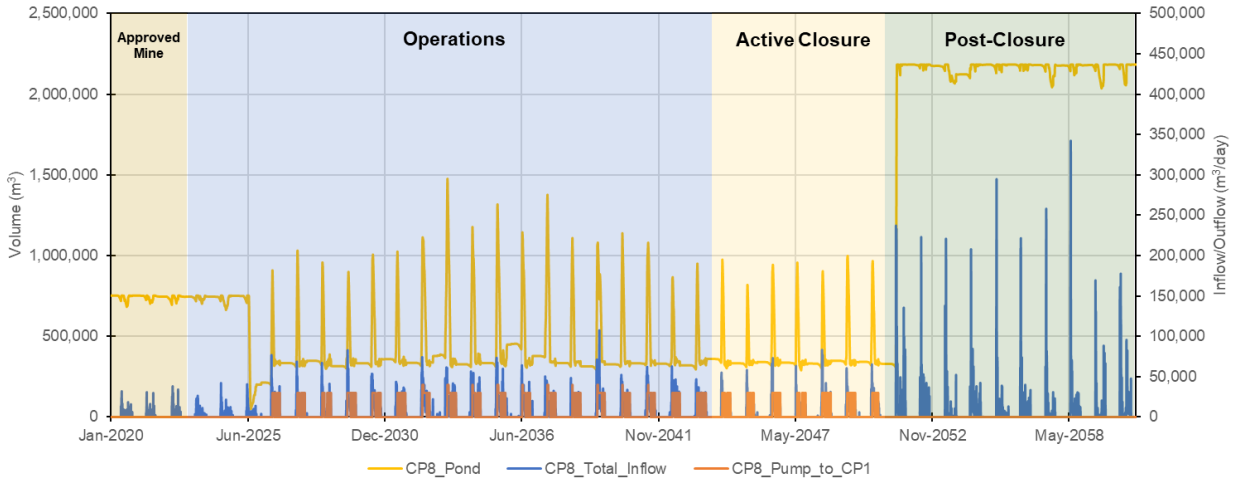

Figure 3-7: Volumes, inflows and outflows to CP8 for the Operations, Active Closure and early post-Closure phases

3.3.1.2 Collection Pond CP1

CP1 is currently the primary surface contact water collection pond, with all excess water routed to the EWTP prior to discharge to Itivia Harbour and Meliadine Lake. Inflows to CP1 average 482,000 m^3/year, rising to an average of 2.5 Mm^3/year once the mine footprint expands in 2026 (Figure 3-8). The maximum predicted pond volume of 762,335 Mm^3 occurs in 2032. During the Active Closure phase, the mine site is managed as a zero-discharge facility, with all CP1 inflows routed to TIRI02/04 open pit. Beginning in the Post-Closure phase, volumes in the CP1 pond are allowed to fluctuate naturally, with outflows reporting via pre-mine drainage pathways to Meliadine Lake.

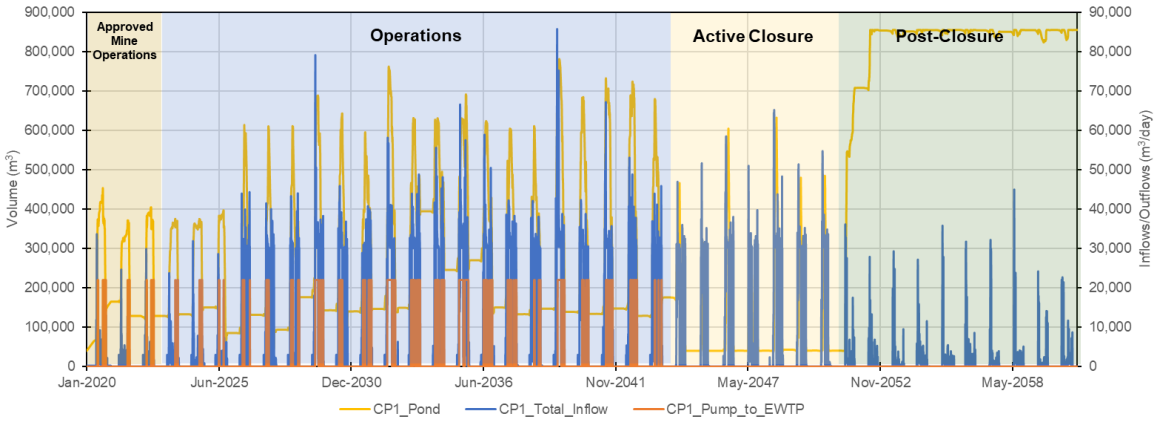

Figure 3-8: Volumes, inflows and outflows to the CP1 Pond for the Operations, Active Closure and early post-Closure phases

3.3.2 Saline Water Collection Ponds

This section summarizes the water balances for key saline contact water collection ponds (TIRI02 and SP6) over the Operations phase.

3.3.2.1 TIRI02

The saline contact water management system collects dewatering flows from all underground operations, Saline WRSFs and ore pads. Early in the Operations phase (up to end-2024), the Waterline is not in place, and SP6, the primary saline contact water storage pond (SP6) is not operational until the end of 2025. The TIRI02 pit serves as the primary saline contact water storage pond for this period, with a maximum predicted pond volume of 1.5 Mm^3 in June 2025 (Figure 3-9). Once Lake B7 is dewatered during freshet of 2025, it becomes the primary saline pond (SP6), and the saline contact water stored in TIRI02 is discharged via the Waterline to Itivia Harbour to allow mining of TIRI02 pit to progress during the winter of 2025/26 (Figure 3-10).

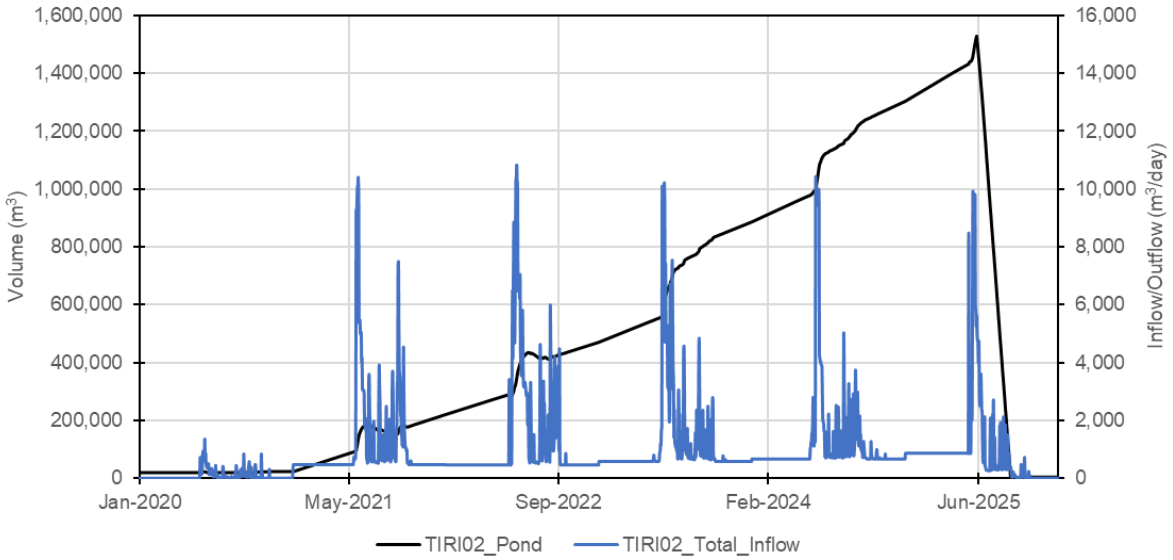

Figure 3-9: Time series of pond volume and inflows for the TIRI02 Pond during early Operations period

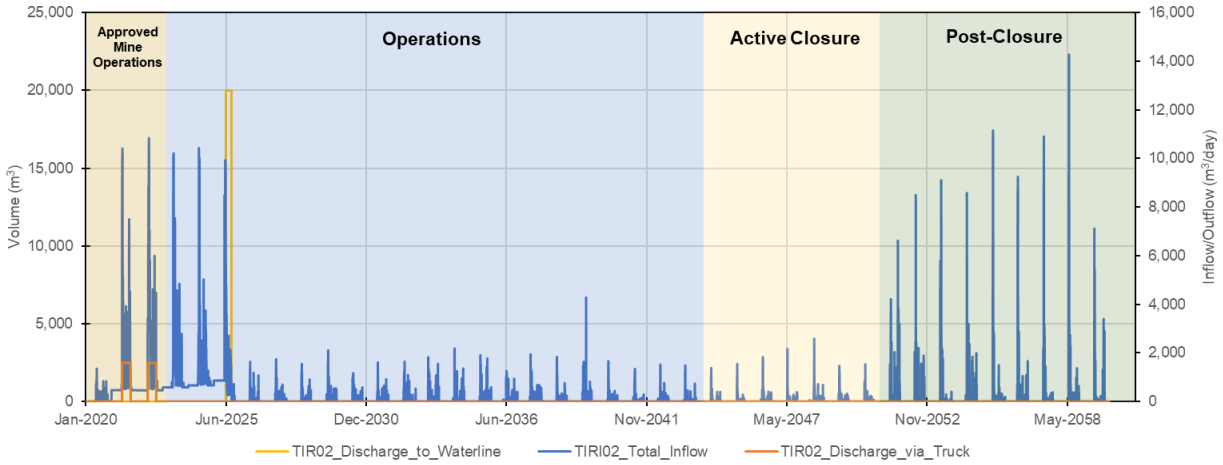

Figure 3-10: Inflows and outflows to the TIRI02 Pit for the Operations, Active Closure and early post-Closure phases

3.3.2.2 SP6

The Saline Pond SP6 is the primary saline contact water storage pond for the majority of the Operations phase once it is dewatered in 2025. All saline contact water collected in SP6 is routed to the Waterline for discharge to Itivia Harbour up to end-2043, along with surface contact water from the treated STP discharges, CP3, CP4 and CP5. After this point, any remaining saline contact water will be routed to the remaining underground voids before SP6 is allowed to fill with runoff from the surrounding catchments, including the small volumes of contact water from the TSF and WRSF1. The maximum predicted pond volume for SP6 is 1.07 Mm^3, coinciding with a wetter than average year and high underground dewatering rates (Figure 3-11).

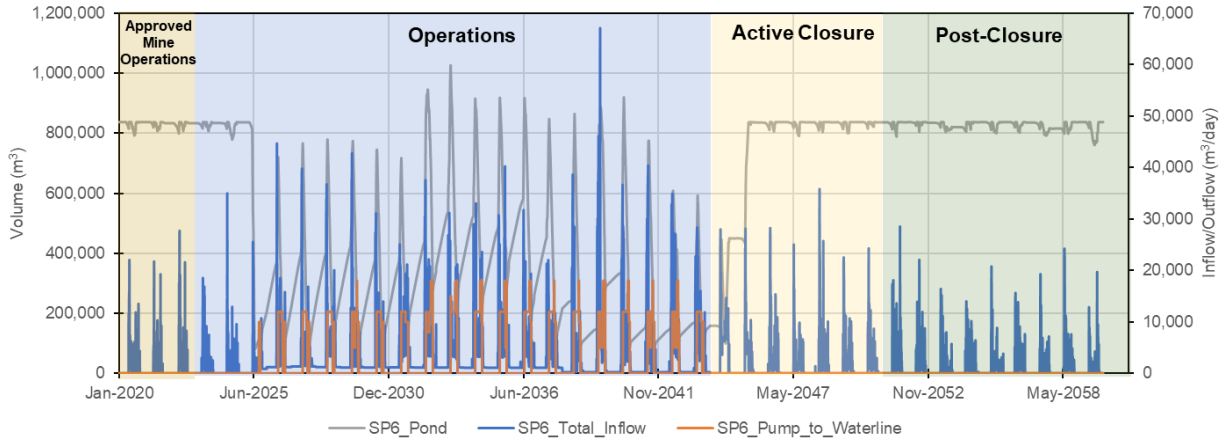

Figure 3-11: Volumes, inflows and outflows to SP6 for the Operations, Active Closure and early post-Closure phases

3.3.3 Secondary Ponds and Sumps

The annual total volumes of surface contact water and saline water pumped to CP1 and SP6 are presented in Table 3-2, along with the proportion of the total volume pumped to each pond. Pit dewatering to CP1 is not included and is presented in Section 3.3.4. While the proportion of total pumped flow to CP1 varies from year to year for each pond, overall, CP2 and CP7 comprise 30% and 32% of the total collection pond volumes pumped to CP1, respectively. For SP6, the sewage treatment plant (STP) discharge, CP5 and SPD1 comprise 21%, 24% and 29% of the total pumped inflow volumes.

3.3.4 Open Pits

The annual total pit dewatering volumes are presented in Table 3-3, along with the dewatering period averages. The PUMP01 pit has the highest average dewatering rate due to its use as a contact water collection pond for the PUMP mine area. The WES02 pit has the next highest dewatering rates, followed by the Discovery Pit.

Table 3-2:
Annual discharge volumes for secondary ponds and sumps, with percent of total pumped inputs to CP1 and SP6 (exclusive of open pits)

Year	Annual Outflow Volumes (m^3)															
	Pumped to CP1								Pumped to SP6							
	CP2	CP6	CP7	CP9	SP1	SUMPP1	SUMP P2	SUMPP5	STP	CP3	CP4	SUMP P4	SUMP F2	CP5	SPD1	SP5
2023	28,473	36,711	82,874	0	238,200	0	0	0	109,135	32,941	38,153	0	0	122,090	0	0
2024	57,644	38,159	80,771	0	293,250	0	0	0	109,434	30,446	18,481	0	0	112,028	0	0
2025	95,085	44,397	83,568	0	306,000	0	0	0	109,135	29,576	0	0	0	124,761	0	0
2026	124,922	61,872	90,391	0	0	0	0	0	109,135	20,151	0	0	0	137,880	34,000	0
2027	117,865	57,096	90,118	0	0	12,000	4,000	0	109,135	0	0	14,000	0	131,677	38,000	0
2028	108,897	49,777	93,200	220,000	0	21,000	14,250	75,000	109,434	0	0	39,000	0	131,901	56,000	0
2029	159,307	54,055	115,213	98,000	0	11,250	10,250	58,500	109,135	0	0	56,000	0	139,275	62,000	0
2030	124,533	47,161	169,859	86,000	0	7,500	6,000	46,500	109,135	0	0	56,000	21,000	123,202	68,000	0
2031	152,539	61,603	150,725	74,000	0	8,750	8,000	40,500	109,135	0	0	52,000	30,000	121,771	222,000	31,500
2032	207,557	67,335	216,818	0	0	8,500	7,500	63,000	109,434	0	0	61,000	37,000	171,123	244,000	85,500
2033	193,854	77,905	235,186	0	0	11,500	9,500	67,500	109,135	0	0	69,000	36,000	165,678	224,000	75,000
2034	198,976	84,128	234,244	0	0	11,250	10,250	63,000	109,135	0	0	73,000	53,000	175,356	244,000	91,500
2035	212,597	83,240	246,175	0	0	12,250	10,250	73,500	109,135	0	0	72,000	67,000	186,387	244,000	103,500
2036	188,510	65,883	203,148	0	0	9,500	8,750	46,500	109,434	0	0	38,000	60,000	141,102	236,000	102,000
2037	149,989	50,609	189,768	0	0	5,000	5,500	43,500	109,135	0	0	22,000	56,000	136,199	174,000	105,000
2038	111,561	38,389	158,330	0	0	3,500	3,000	37,500	109,135	0	0	21,000	59,000	76,721	198,000	94,500
2039	191,440	77,094	271,531	0	0	6,250	6,250	63,000	109,135	0	0	31,000	74,000	128,032	238,000	133,500
2040	96,672	39,876	63,318	0	0	2,250	2,250	43,500	109,434	0	0	21,000	33,000	78,095	232,000	108,000
2041	82,485	40,556	77,115	0	0	3,500	4,000	46,500	109,135	0	0	24,000	29,000	94,860	212,000	129,000
2042	90,501	46,706	86,924	0	0	3,250	3,250	54,000	109,135	0	0	31,000	29,000	101,902	244,000	120,000
2043	71,822	33,923	64,166	0	0	3,000	3,750	37,500	109,135	0	0	21,000	21,000	71,941	244,000	106,500
Average	**131,678**	**55,070**	**143,021**	**22,762**	**39,879**	**6,679**	**5,560**	**40,929**	**109,206**	**5,386**	**2,697**	**33,381**	**28,810**	**127,237**	**153,048**	**61,214**
% Total Inflow	**30%**	**12%**	**32%**	**5%**	**9%**	**1%**	**1%**	**9%**	**21%**	**1%**	**1%**	**6%**	**6%**	**24%**	**29%**	**12%**

Notes:
[1]Percent of total volume pumped to CP1 and SP6 reflect pumping from collection ponds and sumps only. Open pit dewatering volumes are presented separately in Table 3-3.

Table 3-3:
Annual dewatering volumes for open pits

Year	Annual Outflow Volumes (m^3)																	
	TIRI01	TIRI02[1]	TIRI03	TIRI04	WN01	WES01	WES02	WES03	WES04	WES05	PUMP01	PUMP02	PUMP03	PUMP04	FZONE01	FZONE02	FZONE03	Discovery
2023	46,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	43,000	0	0	0	0	0	0	0	5,000	0	0	0	0	0	0	0	0	0
2025	51,000	1,000	16,000	0	0	18,000	0	0	9,000	0	0	0	0	0	0	0	0	0
2026	54,000	35,000	23,000	0	40,500	28,000	0	0	0	0	0	0	0	0	0	0	0	0
2027	49,000	30,000	24,000	0	85,500	34,000	0	0	0	0	0	0	0	0	0	0	0	0
2028	50,000	30,000	27,000	0	78,000	26,000	0	0	0	0	220,000	0	16,000	0	0	0	0	0
2029	48,000	32,000	25,000	0	93,000	26,000	0	0	0	0	98,000	0	36,000	0	0	0	0	0
2030	44,000	33,000	25,000	0	84,000	25,000	0	0	0	0	86,000	0	26,000	0	53,000	0	0	0
2031	43,000	21,000	19,000	0	70,500	24,000	0	0	0	0	74,000	0	21,000	0	47,000	0	0	21,000
2032	59,000	38,000	27,000	0	102,000	31,000	0	0	0	0	0	0	37,000	0	65,000	37,506	0	84,000
2033	59,000	30,000	26,000	0	100,500	32,000	0	0	0	0	0	12,000	35,000	0	70,000	41,587	0	87,000
2034	63,000	37,000	28,000	0	100,500	37,000	0	0	0	0	0	23,000	37,000	0	67,000	34,286	0	111,000
2035	67,000	44,000	36,000	0	114,000	39,000	0	0	0	0	0	26,000	38,000	16,000	76,000	35,817	0	156,000
2036	49,000	29,000	26,000	0	0	28,000	50,000	0	0	0	0	23,000	0	24,000	54,000	28,742	20,000	78,000
2037	51,000	28,000	18,000	0	0	29,000	114,000	28,500	0	0	0	0	0	0	54,000	26,492	33,000	0
2038	0	0	14,000	0	0	0	96,000	40,500	0	0	0	0	0	0	54,000	25,134	30,000	0
2039	0	0	25,000	0	0	0	160,000	58,500	0	0	0	0	0	0	72,000	38,105	44,000	0
2040	0	0	18,000	19,000	0	0	104,000	37,500	0	24,000	0	0	0	0	0	0	0	0
2041	0	0	0	57,000	0	0	124,000	61,500	0	70,000	0	0	0	0	0	0	0	0
2042	0	0	0	69,000	0	0	0	0	0	76,000	0	0	0	0	0	0	0	0
2043	0	0	0	49,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average[2]	**51,733**	**25,867**	**20,944**	**48,500**	**86,850**	**29,000**	**108,000**	**45,300**	**7,000**	**56,667**	**119,500**	**21,000**	**30,750**	**20,000**	**61,200**	**33,459**	**31,750**	**89,500**

Notes:
[1] TIRI02 pit water (not saline) is discharged to CP8 once mining resumes in 2025
[2] Averages are calculated for the active dewatering periods only

3.4 Active Closure Pit Water Management

During the Active Closure phase, the site is maintained with zero discharge to Meliadine Lake, and only 3 months of predicted discharge to Itivia Harbour via the Waterline to drain the accumulated water in PUMP01 and WES04. Of key interest is the pumping duration and water volumes required to fill the pits to their spill points during the Active Closure phase.

Updated pit shells showed lower volumes than those presented in the 2022 FEIS WBWQM and resulted in a reduced pumping requirements of Meliadine Lake water to mine pits during Active Closure. The 2022 FEIS WBWQM determined that a pumping rate of 13.4 Mm^3/year would be required to fill the pits. It was assumed that Meliadine Lake pumping would proceed at this rate until each pit was fully flooded. The updated mine plan results in lower volumes of water required to fill the pits in Active Closure, with a lower pumping rate over the 7-year Active Closure period. Pumping of Meliadine Lake water remains at a maximum of 8.9 Mm^3/year over the first four years, reducing each year thereafter, to 3.6 Mm^3 in the last year of Active Closure (2050; Table 3-4). The 2022 FEIS WBWQM required 90.7 Mm^3 over 7 years of pumping, while the updated model indicates that 55.2 Mm^3 of water from Meliadine Lake is required, along with 13.9 Mm^3 reporting to the pits via gravity drainage from the surrounding catchments, and meteoric inputs (Table 3-4). This equates to a 39% reduction in Meliadine Lake water use for pit filling during Active Closure. Individual pit filling metrics are provided in Table 3-5.

Table 3-4:
Open pit water balances in Active Closure phase

Year	Meliadine Lake Pumped (m^3)	% Total	Surface Contact Water (m^3)	% Total
2044	8,891,700	13%	2,660,101	4%
2045	8,891,700	13%	2,660,101	4%
2046	8,891,700	13%	2,660,101	4%
2047	8,891,700	13%	2,660,101	4%
2048	8,373,894	12%	2,305,577	3%
2049	7,656,776	11%	752,439	1%
2050	3,636,094	5%	241,367	0%
Total	**55,233,565**	**80%**	**13,939,789**	**20%**

Table 3-5:
Active closure pit lake water balance metrics

Pit ID	Total Water Volume (m^3)	Closure Pump Rate Jun 15-Sept 30 (m^3/day)	Total Meliadine Lake Volume Pumped (m^3)	Date ML[1] Closure Pumping Complete	Surrounding Catchment Runoff and Meteoric Inputs (m^3)
Discovery	13,441,460	20,000	12,500,000	2049-09-14	941,460
F ZONE01	6,366,823	8,000	5,857,908	2050-09-15	508,915
F ZONE02	1,380,520	900	1,168,517	2050-06-16	212,003
F ZONE03	1,617,968	2,000	1,318,000	2050-07-03	299,968
PUMP01	1,005,067	1,800	838,800	2048-07-24	166,267
PUMP02	962,338	1,200	754,800	2049-09-18	207,538
PUMP03	1,686,914	2,600	1,380,600	2048-09-27	306,314
PUMP04	1,223,339	1,100	761,200	2050-08-05	462,139
TIRI01[1,4]	8,811,361	0	0	N/A	8,811,361
TIRI02/04[2,4]	9,483,964	2,000	1,752,000	2048-06-21	7,731,964
TIRI03[1]	1,492,152	2,000	1,356,000	2050-07-22	136,152
WES01[1]	2,653,794	3,400	2,349,400	2050-08-04	304,394
WES02	10,067,130	13,000	9,183,846	2050-08-20	883,284
WES03	3,098,940	3,800	2,717,000	2050-08-28	381,940
WES04	290,583	400	284,400	2050-08-24	6,183
WES05	4,641,767	6,000	4,194,000	2050-08-12	447,767
WN01[3]	9,873,505	12,000	8,772,000	2050-09-13	1,101,505
Total	**78,097,626**	**78,200**	**55,188,471**		**21,807,650**

Notes:
[1] TIRI01, TIRI03 and WES01 form the TIRI pit lake complex once full
[2] TIRI02/04 is also filled via pumping from CP1, which comprises the majority of the volume shown here.
[3] WN01 joins with Lake B5 to form the WN complex once full
[4]TIRI01 receives overflow from TIRI02/04 at approximately 2,000 m^3/day, so Meliadine Lake water is not required to fill this pit.

4. Water Quality Results

This section presents water quality model results for the Meliadine Extension NWB WBWQM. Model predictions are compared against applicable guidelines as a screening tool to identify parameters of potential concern (POPCs), specifically:

- During Operations, model predictions at the end-of-pipe (EOP) to Meliadine Lake (EWTP) and Itivia Harbour (Waterline) are screened against effluent discharge limits as outlined in the Type A Water Licence (2AM-MEL1631) for the Meliadine Mine, and MDMER.
- During Post Closure, model predictions for all collection ponds (except SP6), pit lakes, and natural waterbodies are screened against water quality guidelines adopted in the 2020 Aquatic Effects Management Plan (AEMP) (Agnico Eagle, 2021). Model predictions at SP6 are compared to CCME guidelines for the protection of terrestrial life, as this collection pond remains listed under MDMER Schedule 2.

The complete model outputs for all mine phases are presented in Appendix D.

4.1 Operations

During Operations, TSS in mine effluent will be controlled by the SETP and EWTP for saline and freshwater discharges, respectively. For the purposes of water quality predictions, it is assumed that treated effluent is at the MDMER maximum monthly mean concentration of 15 mg/L. The differences in total and dissolved concentrations generated by this assumption are shown in Table 4-1. These values are added to dissolved concentrations predicted for Meliadine Lake and Itivia Bay discharges.

Summary statistics are presented herein for EWTP and Waterline, with comparison to EOP guidelines. During Operations, model predictions at EWTP remain below MDMER/Water Licence limits (Table 4-2), while model predictions of untreated water for the Waterline remain below MDMER with the exception of maximum and P90 for ammonia (Table 4-3). The ammonia guideline of 19 mg/L at the EOP to Itivia Harbour was determined conservatively by assuming a pH of 8 and a temperature of 15°C, and an un-ionized ammonia concentration of 0.5 mg/L. Options for treatment are being investigated. Monthly water quality predictions for the Waterline and EWTP are provided in Appendix D1. Water quality predictions for other model nodes present during mine Operations are provided in Appendix D2.

The model updates since the 2022 FEIS Addendum have resulted in changes to predictions for key mine-related POPCs, including total dissolved solids (TDS), ammonia, and arsenic. These changes are summarized as follows:

- Early Meliadine Extension (2025-2031):
    - Waterline: Compared to model predictions presented in the 2022 FEIS Addendum, there is an overall decrease in TDS concentrations due to a reduction in saline groundwater inflows, which dominate the TDS loading to the Waterline. Peak concentrations are now predicted in 2025 due to dewatering of saline water stored in TIRI02 through the Waterline. The maximum ammonia prediction without treatment (41 mg/L) is higher than the threshold value assumed in the 2022 FEIS Base Case model (10 mg/L), which assumed treatment.
    - EWTP: As part of water management optimization, collection ponds previously routed to CP1 (*e.g.,* CP3) are now routed to SP6, resulting in an overall reduction in ammonia concentrations at CP1 and in the discharge to Meliadine Lake (*i.e.,* EWTP). Under both the 2022 FEIS and current model iterations, peak concentrations of TDS and total arsenic at the EWTP are expected to decrease in relation to changes in surface water management during the early operational phase.

- Mid Meliadine Extension (2032-2038):
    - During this period, predictions for TDS and arsenic at the Waterline are lower compared to the 2022 FEIS Base Case model due to the reduction in saline groundwater inflows. In the years of 2036-2038, peak ammonia concentrations (without treatment) at the Waterline are predicted to increase above the MDMER limit, in relation to changes in underground mine water management (*e.g.,* pit dewatering) during this period.
    - At the EWTP, model predictions for TDS, ammonia, and total arsenic show small interannual variability, with concentrations remaining below MDMER/Water Licence limits and remaining within a similar range under the 2022 FEIS Base Case model and current model iteration.
- Late Meliadine Extension (2039-2043):
    - Model predictions at the Waterline and EWTP are expected to remain below their respective guidelines under both the 2022 FEIS and current model iterations. Most underground mine operations are complete in this time period and groundwater inflows to the Waterline are limited to flows from the TIRI-Wolf UG, resulting in gradual declines in the concentrations of TDS, ammonia, and total arsenic.

4.2 Active Closure

The Waterline remains available for the first two years of Active Closure (2044 and 2045), with discharges to Itivia Harbour planned in the months of June-August 2044, and no discharges in 2045. The 2022 FEIS Addendum assumed that the Waterline was not available during Active Closure, and no discharges were modelled. The additional two years that the waterline remains available is proposed as adaptive management piece to setup the site for the closure of the mine. However, these assumptions will be refined with site monitoring data and all details will be provided in the Final Closure Reclamation Plan. The monthly model predictions during this period are shown in Table 4-4. The predicted concentrations of POPCs at Waterline are below EOP guidelines during Active Closure.

Table 4-1:
Suspended Solids Composition and Contribution to Total Concentrations at End-of-Pipe during Operations.

Element	Particulate Composition	Particulate Fraction Concentration (mg/L) per 15 mg/L of Total Suspended Solids
	ppm	*mg/L*
Silver (Ag)	0.057	0.0000008
Aluminum (Al)	62700	0.941
Arsenic (As)	65.7	0.000985
Barium (Ba)	261	0.00392
Beryllium (Be)	0.562	0.00000843
Calcium (Ca)	46300	0.695
Cadmium (Cd)	0.199	0.00000298
Cobalt (Co)	29.8	0.000446
Chromium (Cr)	139	0.00209
Copper (Cu)	70.4	0.00106
Iron (Fe)	74100	1.11
Mercury (Hg)	0.0917	0.00000138
Potassium (K)	9700	0.145
Magnesium (Mg)	22300	0.335
Manganese (Mn)	847	0.0127
Molybdenum (Mo)	0.716	0.0000107
Sodium (Na)	13500	0.203
Nickel (Ni)	71.6	0.00107
Lead (Pb)	7.19	0.000108
Antimony (Sb)	0.765	0.0000115
Selenium (Se)	0.724	0.0000109
Strontium (Sr)	184	0.00275
Thallium (Tl)	0.188	0.00000282
Uranium (U)	0.658	0.00000986
Vanadium (V)	129	0.00194
Zinc (Zn)	84.7	0.00127
Radium (Ra-226)**	0.00812	0.000000122

*In units of Bq/kg and Bq/L for particulate composition and particulate fraction concentration per 15 mg/L total suspended solids, respectively.

Table 4-2:
Model Predictions at for End-of-Pipe discharge to Meliadine Lake from Effluent Water Treatment Plant (EWTP) During Operations

Constituents	Unit:	Summary Statistics for EWTP Operations (2020-2043)					NWB Water Licence/MDMER
		Min*	P10*	Mean*	P90*	Max	
Major Ions							
Total Dissolved Solids (TDS)	mg/L	337	452	837	1494	1781	3500
Chloride (Cl)	mg/L	157	209	389	713	857	-
Fluoride (F)	mg/L	0.069	0.095	0.17	0.31	0.35	-
Sulfate (SO_4)	mg/L	49	68	129	210	250	-
Nutrients and Cyanide							
Ammonia (NH_3-N)	mg/L	1.0	1.3	2.3	4.2	5.1	14
Nitrate (NO_3-N)	mg/L	2.3	2.8	6.3	14	18	-
Nitrite (NO_2-N)	mg/L	0.040	0.055	0.13	0.31	0.36	-
Phosphorus (P)	mg/L	0.012	0.018	0.09	0.21	0.73	2
Cyanide (CN)	mg/L	0.00083	0.0010	0.0014	0.0020	0.0026	0.5
Total Element							
Silver (Ag)	mg/L	0.0000052	0.0000060	0.0000093	0.000014	0.000016	-
Aluminum (Al)	mg/L	0.95	0.95	0.95	0.95	0.95	2
Arsenic (As)	mg/L	0.0048	0.0054	0.0091	0.016	0.020	0.3
Barium (Ba)	mg/L	0.02	0.025	0.037	0.053	0.061	-
Beryllium (Be)	mg/L	0.000015	0.000016	0.000020	0.000025	0.000029	-
Calcium (Ca)	mg/L	22	28	46	70	83	-
Cadmium (Cd)	mg/L	0.000030	0.000038	0.000057	0.000086	0.00010	-
Cobalt (Co)	mg/L	0.0012	0.0014	0.0024	0.0044	0.0052	-
Chromium (Cr)	mg/L	0.0023	0.0024	0.0025	0.0026	0.0027	-
Copper (Cu)	mg/L	0.0022	0.0026	0.0032	0.0037	0.0043	0.2
Iron (Fe)	mg/L	1.1	1.2	1.2	1.2	1.3	-
Mercury (Hg)	mg/L	0.0000068	0.0000091	0.000012	0.000014	0.000016	-
Potassium (K)	mg/L	5.2	6.6	13	25	30	-
Magnesium (Mg)	mg/L	8.4	10	17	26	33	-
Manganese (Mn)	mg/L	0.12	0.15	0.31	0.62	0.75	-
Molybdenum (Mo)	mg/L	0.0010	0.0014	0.0020	0.0027	0.0037	-
Sodium (Na)	mg/L	90	120	238	452	543	-
Nickel (Ni)	mg/L	0.0058	0.0074	0.011	0.015	0.018	0.5
Lead (Pb)	mg/L	0.00030	0.00042	0.00064	0.00093	0.0015	0.1
Antimony (Sb)	mg/L	0.00051	0.00065	0.00097	0.0013	0.0021	-
Selenium (Se)	mg/L	0.00022	0.00030	0.00044	0.00056	0.00083	-
Strontium (Sr)	mg/L	0.44	0.60	1.4	3.3	3.8	-
Thallium (Tl)	mg/L	0.000018	0.000024	0.000073	0.00018	0.00022	-
Uranium (U)	mg/L	0.00060	0.00090	0.0019	0.0034	0.0039	-
Vanadium (V)	mg/L	0.0023	0.0025	0.0028	0.0032	0.0033	-
Zinc (Zn)	mg/L	0.0028	0.0031	0.0041	0.0053	0.0058	0.4
Radium (Ra-226)	mg/L	0.00087	0.0013	0.0021	0.0033	0.0038	0.37
Dissolved Element							
Silver (Ag)	mg/L	0.0000044	0.0000051	0.0000084	0.000013	0.000015	-
Aluminum (Al)	mg/L	0.0059	0.0067	0.0091	0.011	0.013	-
Arsenic (As)	mg/L	0.0038	0.0045	0.0081	0.015	0.019	-
Barium (Ba)	mg/L	0.014	0.021	0.033	0.049	0.057	-
Beryllium (Be)	mg/L	0.0000063	0.0000078	0.000012	0.000017	0.000020	-
Calcium (Ca)	mg/L	21	27	46	69	82	-
Cadmium (Cd)	mg/L	0.000027	0.000035	0.000055	0.000083	0.00010	-
Cobalt (Co)	mg/L	0.00079	0.0010	0.0020	0.0040	0.0048	-
Chromium (Cr)	mg/L	0.00019	0.00027	0.00038	0.00052	0.00060	-
Copper (Cu)	mg/L	0.0011	0.0016	0.0021	0.0026	0.0032	-
Iron (Fe)	mg/L	0.029	0.047	0.080	0.12	0.15	-
Mercury (Hg)	mg/L	0.0000055	0.0000077	0.000011	0.000013	0.000014	-
Potassium (K)	mg/L	5.0	6.4	13	25	29	-
Magnesium (Mg)	mg/L	8.1	10	17	26	32	-
Manganese (Mn)	mg/L	0.11	0.14	0.29	0.61	0.73	-
Molybdenum (Mo)	mg/L	0.0010	0.0014	0.0020	0.0027	0.0037	-
Sodium (Na)	mg/L	90	120	238	452	542	-
Nickel (Ni)	mg/L	0.0047	0.0064	0.010	0.014	0.017	-
Lead (Pb)	mg/L	0.00019	0.00031	0.00053	0.00082	0.0014	-
Antimony (Sb)	mg/L	0.00050	0.00064	0.00096	0.0013	0.0021	-
Selenium (Se)	mg/L	0.00021	0.00029	0.00043	0.00055	0.00082	-
Strontium (Sr)	mg/L	0.43	0.60	1.4	3.3	3.8	-
Thallium (Tl)	mg/L	0.000015	0.000022	0.000070	0.00018	0.00021	-
Uranium (U)	mg/L	0.00059	0.00089	0.0018	0.0034	0.0039	-
Vanadium (V)	mg/L	0.00036	0.00053	0.00084	0.0012	0.0013	-
Zinc (Zn)	mg/L	0.0015	0.0018	0.0029	0.0040	0.0045	-
Radium (Ra-226)	Bq/L	0.00087	0.0013	0.0021	0.0033	0.0038	-

Notes: "-" denotes not available. *Calculation of min, P10, mean, and P90 excludes 0 values.
Values shaded in grey are above the NWB/MDMER end of pipe guideline.

Table 4-3:
Model Predictions at End-of-Pipe to Itivia Harbour (Waterline) During Operations

Constituents	Unit:	Summary Statistics for Waterline Operations (2020-2043)					MDMER
		Min*	P10*	Mean*	P90*	Max	
Major Ions							
Total Dissolved Solids (TDS)	mg/L	541	1839	7261	12939	19115	-
Chloride (Cl)	mg/L	282	971	4168	7482	11103	-
Fluoride (F)	mg/L	0.041	0.050	0.11	0.15	0.22	-
Sulfate (SO_4)	mg/L	58	170	474	814	1164	-
Nutrients and Cyanide							
Ammonia (NH_3-N)[1]	mg/L	1.8	4.3	12	20	41	19[1]
Nitrate (NO_3-N)	mg/L	4.1	7.8	19.2	32	59	-
Nitrite (NO_2-N)	mg/L	0.090	0.19	0.49	0.77	2.1	-
Phosphorus (P)	mg/L	0.084	0.12	0.26	0.35	1.2	-
Cyanide (CN)	mg/L	0.00053	0.0020	0.011	0.018	0.055	0.5
Total Element							
Silver (Ag)	mg/L	0.0000065	0.000019	0.000066	0.00013	0.000169	-
Aluminum (Al)	mg/L	0.94	0.95	0.95	0.96	0.96	-
Arsenic (As)	mg/L	0.0040	0.012	0.033	0.054	0.13	0.3
Barium (Ba)	mg/L	0.02	0.037	0.069	0.11	0.14	-
Beryllium (Be)	mg/L	0.000013	0.000018	0.000029	0.000040	0.000045	-
Calcium (Ca)	mg/L	23	75	227	395	570	-
Cadmium (Cd)	mg/L	0.000025	0.000054	0.00010	0.00016	0.00021	-
Cobalt (Co)	mg/L	0.0010	0.0013	0.0026	0.0038	0.0056	-
Chromium (Cr)	mg/L	0.0023	0.0026	0.0036	0.0048	0.0056	-
Copper (Cu)	mg/L	0.0017	0.0019	0.0031	0.0039	0.0043	0.3
Iron (Fe)	mg/L	1.1	1.1	1.2	1.2	1.2	-
Mercury (Hg)	mg/L	0.0000051	0.0000056	0.000012	0.000015	0.000017	-
Potassium (K)	mg/L	7.0	22	68	119	166	-
Magnesium (Mg)	mg/L	6.6	15	32	52	64	-
Manganese (Mn)	mg/L	0.10	0.13	0.28	0.41	0.54	-
Molybdenum (Mo)	mg/L	0.0011	0.0036	0.016	0.027	0.061	-
Sodium (Na)	mg/L	152	502	1958	3483	5122	-
Nickel (Ni)	mg/L	0.0052	0.0084	0.016	0.025	0.029	0.5
Lead (Pb)	mg/L	0.00019	0.00026	0.00047	0.00068	0.0009	0.1
Antimony (Sb)	mg/L	0.00048	0.0014	0.0038	0.0068	0.0089	-
Selenium (Se)	mg/L	0.00019	0.00057	0.0017	0.0029	0.0058	-
Strontium (Sr)	mg/L	0.69	1.8	5.6	9.8	15	-
Thallium (Tl)	mg/L	0.000023	0.000025	0.000045	0.00006	0.00012	-
Uranium (U)	mg/L	0.00052	0.00070	0.0018	0.0028	0.0036	-
Vanadium (V)	mg/L	0.0023	0.0031	0.0044	0.0060	0.0068	-
Zinc (Zn)	mg/L	0.0026	0.0049	0.014	0.026	0.035	0.5
Radium (Ra-226)	mg/L	0.0020	0.0066	0.035	0.063	0.093	0.37
Dissolved Element							
Silver (Ag)	mg/L	0.0000057	0.000018	0.000065	0.00013	0.00017	-
Aluminum (Al)	mg/L	0.0033	0.0043	0.0104	0.014	0.016	-
Arsenic (As)	mg/L	0.0031	0.011	0.032	0.053	0.13	-
Barium (Ba)	mg/L	0.012	0.033	0.065	0.102	0.132	-
Beryllium (Be)	mg/L	0.0000044	0.0000096	0.000021	0.000031	0.000036	-
Calcium (Ca)	mg/L	22	75	226	394	569	-
Cadmium (Cd)	mg/L	0.000022	0.000051	0.000100	0.00016	0.00021	-
Cobalt (Co)	mg/L	0.00052	0.0008	0.0021	0.0034	0.0052	-
Chromium (Cr)	mg/L	0.00018	0.00056	0.0015	0.0027	0.0035	-
Copper (Cu)	mg/L	0.0007	0.0009	0.0021	0.0029	0.0033	-
Iron (Fe)	mg/L	0.017	0.025	0.066	0.10	0.12	-
Mercury (Hg)	mg/L	0.0000037	0.0000042	0.000010	0.000014	0.000015	-
Potassium (K)	mg/L	6.9	22	68	119	166	-
Magnesium (Mg)	mg/L	6.3	15	32	51	64	-
Manganese (Mn)	mg/L	0.092	0.11	0.27	0.39	0.53	-
Molybdenum (Mo)	mg/L	0.0011	0.0036	0.016	0.027	0.061	-
Sodium (Na)	mg/L	151	501	1958	3483	5122	-
Nickel (Ni)	mg/L	0.0041	0.0073	0.015	0.024	0.028	-
Lead (Pb)	mg/L	0.000082	0.00015	0.00037	0.00058	0.0008	-
Antimony (Sb)	mg/L	0.00047	0.0014	0.0038	0.0067	0.0088	-
Selenium (Se)	mg/L	0.00018	0.00056	0.00165	0.00285	0.00582	-
Strontium (Sr)	mg/L	0.69	1.77	5.6	9.8	14.7	-
Thallium (Tl)	mg/L	0.000020	0.000022	0.000042	0.00006	0.00012	-
Uranium (U)	mg/L	0.00051	0.00069	0.0017	0.0028	0.0036	-
Vanadium (V)	mg/L	0.00038	0.0012	0.0025	0.0040	0.0049	-
Zinc (Zn)	mg/L	0.0013	0.0037	0.013	0.025	0.034	-
Radium (Ra-226)	Bq/L	0.0020	0.0066	0.035	0.063	0.093	-

Notes: "-" denotes not available. *Calculation of min, P10, mean, and P90 excludes 0 values. Values shaded in grey are above the maximum monthly mean effluent concentrations specified in MDMER (Schedule 4, Table 2).

1. The ammonia guideline was determined conservatively by assuming a pH of 8 and a temperature of 15°C, and an un-ionized ammonia concentration of 0.5 mg/L.

Table 4-4:
Model Predictions at End-of-Pipe to Itivia Harbour (Waterline) during Periods of Discharge in Active Closure

Constituents	Unit:	End-of-Pipe at Waterline in 2044			MDMER
		June	July	August	
Major Ions					
Total Dissolved Solids (TDS)	mg/L	568	1352	536	-
Chloride (Cl)	mg/L	237	565	216	-
Fluoride (F)	mg/L	0.10	0.25	0.11	74
Sulfate (SO_4)	mg/L	122	289	129	-
Nutrients and Cyanide					
Ammonia (NH_3-N)[1]	mg/L	1.7	3.9	1.4	19[1]
Nitrate (NO_3-N)	mg/L	2.6	6.1	2.1	181
Nitrite (NO_2-N)	mg/L	0.066	0.16	0.057	-
Phosphorus (P)	mg/L	0.0037	0.0090	0.0038	-
Cyanide (CN)	mg/L	0.00025	0.00065	0.00031	0.5
Total Element					
Silver (Ag)	mg/L	0.0000040	0.0000087	0.0000055	-
Aluminum (Al)	mg/L	0.95	0.95	0.95	2
Arsenic (As)	mg/L	0.0034	0.0068	0.0039	0.3
Barium (Ba)	mg/L	0.013	0.026	0.014	-
Beryllium (Be)	mg/L	0.000012	0.000016	0.000013	-
Calcium (Ca)	mg/L	31	74	33	-
Cadmium (Cd)	mg/L	0.000037	0.000085	0.000048	-
Cobalt (Co)	mg/L	0.00084	0.0014	0.00081	-
Chromium (Cr)	mg/L	0.0024	0.0028	0.0025	-
Copper (Cu)	mg/L	0.0033	0.0065	0.0042	0.3
Iron (Fe)	mg/L	1.1	1.2	1.1	-
Mercury (Hg)	mg/L	0.0000064	0.000013	0.000014	-
Potassium (K)	mg/L	3.9	9.2	4.7	-
Magnesium (Mg)	mg/L	15	36	16	-
Manganese (Mn)	mg/L	0.089	0.19	0.113	-
Molybdenum (Mo)	mg/L	0.0015	0.0035	0.0017	-
Sodium (Na)	mg/L	151	358	126	-
Nickel (Ni)	mg/L	0.010	0.023	0.014	0.5
Lead (Pb)	mg/L	0.0013	0.0030	0.0010	0.1
Antimony (Sb)	mg/L	0.0013	0.0031	0.0019	-
Selenium (Se)	mg/L	0.00052	0.0012	0.00070	-
Strontium (Sr)	mg/L	0.25	0.60	0.38	-
Thallium (Tl)	mg/L	0.0000038	0.0000052	0.0000041	-
Uranium (U)	mg/L	0.0010	0.0023	0.0010	-
Vanadium (V)	mg/L	0.0027	0.0037	0.0029	-
Zinc (Zn)	mg/L	0.0027	0.0048	0.0031	0.5
Radium (Ra-226)	mg/L	0.0015	0.0036	0.0030	0.37
Dissolved Element					
Silver (Ag)	mg/L	0.0000032	0.0000078	0.0000047	-
Aluminum (Al)	mg/L	0.0057	0.014	0.0074	-
Arsenic (As)	mg/L	0.0024	0.0058	0.0029	-
Barium (Ba)	mg/L	0.0091	0.022	0.010	-
Beryllium (Be)	mg/L	0.0000032	0.0000079	0.0000041	-
Calcium (Ca)	mg/L	31	73	32	-
Cadmium (Cd)	mg/L	0.000034	0.000082	0.000045	-
Cobalt (Co)	mg/L	0.00040	0.00095	0.00036	-
Chromium (Cr)	mg/L	0.00031	0.00075	0.00039	-
Copper (Cu)	mg/L	0.0023	0.0054	0.0031	-
Iron (Fe)	mg/L	0.036	0.086	0.033	-
Mercury (Hg)	mg/L	0.0000051	0.000012	0.000013	-
Potassium (K)	mg/L	3.8	9.0	4.5	-
Magnesium (Mg)	mg/L	15	35	16	-
Manganese (Mn)	mg/L	0.076	0.18	0.10	-
Molybdenum (Mo)	mg/L	0.0015	0.0035	0.0017	-
Sodium (Na)	mg/L	150	358	126	-
Nickel (Ni)	mg/L	0.0091	0.022	0.012	-
Lead (Pb)	mg/L	0.0012	0.0029	0.00093	-
Antimony (Sb)	mg/L	0.0013	0.0031	0.0019	-
Selenium (Se)	mg/L	0.00051	0.0012	0.00069	-
Strontium (Sr)	mg/L	0.25	0.59	0.38	-
Thallium (Tl)	mg/L	0.0000010	0.0000024	0.0000013	-
Uranium (U)	mg/L	0.0010	0.0023	0.00097	-
Vanadium (V)	mg/L	0.00074	0.0018	0.0010	-
Zinc (Zn)	mg/L	0.0015	0.0035	0.0018	-
Radium (Ra-226)	mg/L	0.0015	0.0036	0.0030	-

Notes: "-" denotes not available.

1. The ammonia guideline was determined conservatively by assuming a pH of 8 and a temperature of 15°C, and an un-ionized ammonia concentration of 0.5 mg/L.

4.3 Post Closure

During Post Closure, mining activity will have ceased, and mine site waterbodies will begin to discharge passively. In the absence of mining activities, TSS is expected to return to relatively low baseline values of <3 mg/L. Due to the low TSS baseline conditions, total and dissolved concentrations are anticipated to be similar during Post Closure. Hence, model results are developed assuming that total concentrations are equal to dissolved concentrations.

Summary statistics are presented for key collection ponds and pit lakes during Post Closure, with comparison to terrestrial (SP6 only) and aquatic guidelines (Table 4-5 through Table 4-19). Parameters predicted to be above applicable guidelines include arsenic, copper, selenium, phosphorus, and ammonia. Of these parameters, phosphorus shows elevated concentrations in natural runoff and is not considered a mine related POPC in Post Closure (Lorax, 2022a). Among the 15 model nodes presented herein, the following 5 show Post Closure predictions above applicable guidelines for mine-related POPCs:

- SP6: flooded with Meliadine Lake water during Active Closure, with increasing concentrations of arsenic, copper, and selenium (to a lesser extent) predicted during Post Closure. The elevated concentrations in SP6 are due to the surrounding catchment being dominated (68% of total catchment area) by mine waste facilities (TSF and WRSF1). It is assumed that SP6 is not re-established as aquatic habitat but remains accessible to terrestrial life. In this regard, arsenic represents the only POPC with Post Closure predictions above the terrestrial/aquatic guideline of 0.025 mg/L. Additional monitoring data collected through the life of mine will be used to update model predictions during closure phases.
- CP7: flooded with Meliadine Lake water during Active Closure, with copper and selenium identified as POPCs during Post Closure. Loading of these POPCs originates from runoff and interflow from WRSF7 and show concentrations above guidelines periodically from 2058 onwards. Additional monitoring data collected through the life of mine will be used to update model predictions during closure phases.
- PUMP01: dewatered to Itivia Harbour via the Waterline at beginning of Active Closure then flooded with Meliadine Lake water, with ammonia identified as the only POPC. Changes in Active Closure water management could reduce initial ammonia prediction which are currently predicted to modestly exceed the 0.58 mg/L guideline at the beginning of Post Closure (2051 to 2055). Additional monitoring data collected through the life of mine will be used to update model predictions during closure phases.
- WES04: dewatered to Itivia Harbour via the Waterline at beginning of Active Closure then flooded with Meliadine Lake water. The WES04 pit lake is predicted to show an increasing

trend in most parameters due to evapo-concentration (*e.g.,* evaporation > runoff and precipitation). This trend leads to predicted copper concentrations increasing to above the guideline beginning in 2063. Additional monitoring data collected through the life of mine will be used to update model predictions during closure phases.

- TIRI Pit Lake: predicted to show an increasing trend in most parameters owing to drainage from SP6, with only selenium increasing to above the AEMP guideline starting in 2110 near the end of model horizon. Additional monitoring data collected through the life of mine will be used to update model predictions during closure phases.

In natural lakes located downstream of mine discharges (*e.g.,* Lake A8 West), phosphorus is the only parameter with concentrations above AEMP guideline. Similar to the 2022 FEIS Base Case model (Lorax, 2022a), the predicted phosphorus concentrations in these receiving lakes are similar to the baseline total phosphorus concentrations for non-contact areas. Monthly water quality predictions for pit lakes and natural lakes during Post Closure are provided in Appendix D2, predictions for conjoined pit lakes which form during Post Closure are provided in Appendix D3.

Table 4-5:
SP6 Post Closure Predictions Compared to Terrestrial Guidelines

Parameter	Unit	Summary Statistics for SP6					*Terrestrial Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	283	469	543	615	690	*3000*
Ammonia (NH_3-N)	mg/L	0.028	0.031	0.089	0.27	0.34	-
Chloride (Cl)	mg/L	19	21	24	28	33	-
Sulfate (SO_4)	mg/L	154	274	323	369	412	*1000*
Arsenic (As)	mg/L	0.010	0.018	0.021	0.024	0.027	*0.025*
Cadmium (Cd)	mg/L	0.000060	0.000095	0.00011	0.00012	0.00013	*0.08*
Cobalt (Co)	mg/L	0.0018	0.0031	0.0036	0.0041	0.0045	*1*
Copper (Cu)	mg/L	0.0020	0.0032	0.0036	0.0041	0.0045	*0.5*
Mercury (Hg)	mg/L	0.000011	0.000013	0.000014	0.000016	0.000017	*3.0E-03*
Manganese (Mn)	mg/L	0.13	0.23	0.27	0.30	0.33	-
Nickel (Ni)	mg/L	0.0081	0.014	0.016	0.019	0.020	*1*
Phosphorus (P)	mg/L	0.012	0.014	0.020	0.036	0.11	-
Lead (Pb)	mg/L	0.00092	0.0017	0.0019	0.0022	0.0024	*0.1*
Selenium (Se)	mg/L	0.00087	0.0015	0.0018	0.0020	0.0023	*0.05*
Uranium (U)	mg/L	0.0037	0.0067	0.0078	0.0089	0.0098	*0.2*
Zinc (Zn)	mg/L	0.0024	0.0030	0.0033	0.0036	0.0040	*0.1*

Notes: Values shaded in grey are above applicable guidelines.

Table 4-6:
CP1 Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for CP1					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	90	118	142	163	375	*1000*
Ammonia (NH_3-N)**	mg/L	0.030	0.042	0.055	0.065	0.48	*0.58*
Chloride (Cl)	mg/L	9.3	11	13	14	56	*120*
Sulfate (SO_4)*	mg/L	28	48	61	75	157	*Variable*
Arsenic (As)	mg/L	0.0023	0.0038	0.0046	0.0055	0.0078	*0.025*
Cadmium (Cd)*	mg/L	0.000027	0.000032	0.000036	0.000039	0.000048	*Variable*
Cobalt (Co)	mg/L	0.00044	0.0007	0.00088	0.0010	0.0012	-
Copper (Cu)*	mg/L	0.00095	0.0012	0.0014	0.0016	0.0022	*Variable*
Mercury (Hg)	mg/L	0.0000095	0.000010	0.000010	0.000011	0.000011	*2.6E-05*
Manganese (Mn)*	mg/L	0.049	0.070	0.088	0.11	0.12	*Variable*
Nickel (Ni)*	mg/L	0.0022	0.0034	0.0041	0.0049	0.0073	*Variable*
Phosphorus (P)	mg/L	0.010	0.011	0.011	0.012	0.013	*0.01*
Lead (Pb)*	mg/L	0.00039	0.00055	0.00071	0.00085	0.00097	*Variable*
Selenium (Se)	mg/L	0.00018	0.00030	0.00038	0.00045	0.00069	*0.001*
Uranium (U)	mg/L	0.00050	0.0011	0.0014	0.0017	0.0021	*0.015*
Zinc (Zn)*	mg/L	0.0019	0.0020	0.0021	0.0022	0.0025	*Variable*

Notes: Values shaded in grey are above applicable guidelines. . *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-7:
CP7 Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for CP7					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	157	418	487	579	653	*1000*
Ammonia (NH_3-N)**	mg/L	0.043	0.048	0.11	0.30	0.41	*0.58*
Chloride (Cl)	mg/L	10	11	22	53	72	*120*
Sulfate (SO_4)*	mg/L	56	177	214	260	299	*Variable*
Arsenic (As)	mg/L	0.00074	0.0026	0.0030	0.0035	0.0038	*0.025*
Cadmium (Cd)*	mg/L	0.000018	0.000055	0.000065	0.000075	0.000085	*Variable*
Cobalt (Co)	mg/L	0.000040	0.00028	0.00031	0.00035	0.00037	-
Copper (Cu)*	mg/L	0.0015	0.0034	0.0040	0.0047	0.0053	*Variable*
Mercury (Hg)	mg/L	0.0000014	0.0000094	0.000010	0.000011	0.000011	*2.6E-05*
Manganese (Mn)*	mg/L	0.027	0.11	0.14	0.16	0.18	*Variable*
Nickel (Ni)*	mg/L	0.0032	0.010	0.012	0.015	0.017	*Variable*
Phosphorus (P)	mg/L	0.0045	0.0087	0.0093	0.0099	0.011	*0.01*
Lead (Pb)*	mg/L	0.00027	0.0011	0.0013	0.0015	0.0017	*Variable*
Selenium (Se)	mg/L	0.00022	0.00066	0.00078	0.00094	0.0011	*0.001*
Uranium (U)	mg/L	0.00017	0.00056	0.00067	0.00081	0.00093	*0.015*
Zinc (Zn)*	mg/L	0.0012	0.0028	0.0031	0.0035	0.0038	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-8:
PUMP01 Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for PUMP01					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	307	391	482	555	579	*1000*
Ammonia (NH_3-N)**	mg/L	0.093	0.10	0.25	0.56	0.61	*0.58*
Chloride (Cl)	mg/L	26	28	48	83	89	*120*
Sulfate (SO_4)*	mg/L	95	130	186	225	240	*Variable*
Arsenic (As)	mg/L	0.0021	0.0027	0.0036	0.0042	0.0043	*0.025*
Cadmium (Cd)*	mg/L	0.000030	0.000039	0.000052	0.000061	0.000063	*Variable*
Cobalt (Co)	mg/L	0.00018	0.00024	0.00030	0.00034	0.00034	-
Copper (Cu)*	mg/L	0.0021	0.0025	0.0033	0.0038	0.0040	*Variable*
Mercury (Hg)	mg/L	0.0000049	0.0000068	0.0000089	0.000010	0.000010	*2.6E-05*
Manganese (Mn)*	mg/L	0.055	0.079	0.11	0.13	0.14	*Variable*
Nickel (Ni)*	mg/L	0.0071	0.0091	0.012	0.014	0.015	*Variable*
Phosphorus (P)	mg/L	0.0056	0.0067	0.0078	0.0084	0.0085	*0.01*
Lead (Pb)*	mg/L	0.00049	0.00070	0.0010	0.0012	0.0013	*Variable*
Selenium (Se)	mg/L	0.00041	0.00053	0.00071	0.00083	0.00087	*0.001*
Uranium (U)	mg/L	0.00036	0.00046	0.00057	0.00063	0.00066	*0.015*
Zinc (Zn)*	mg/L	0.0017	0.0021	0.0026	0.0029	0.0029	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-9:
PUMP02 Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for PUMP02					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	150	151	157	163	165	*1000*
Ammonia (NH_3-N)**	mg/L	0.10	0.10	0.11	0.13	0.13	*0.58*
Chloride (Cl)	mg/L	35	35	40	45	47	*120*
Sulfate (SO_4)*	mg/L	57	58	61	64	65	*Variable*
Arsenic (As)	mg/L	0.00085	0.00091	0.0011	0.0013	0.0013	*0.025*
Cadmium (Cd)*	mg/L	0.000019	0.000020	0.000021	0.000023	0.000023	*Variable*
Cobalt (Co)	mg/L	0.00012	0.00013	0.00018	0.00022	0.00023	-
Copper (Cu)*	mg/L	0.0014	0.0014	0.0015	0.0015	0.0015	*Variable*
Mercury (Hg)	mg/L	0.0000061	0.0000066	0.0000081	0.0000094	0.000010	*2.6E-05*
Manganese (Mn)*	mg/L	0.028	0.030	0.039	0.047	0.049	*Variable*
Nickel (Ni)*	mg/L	0.0029	0.0029	0.0030	0.0030	0.0030	*Variable*
Phosphorus (P)	mg/L	0.0048	0.0052	0.0065	0.0075	0.0078	*0.01*
Lead (Pb)*	mg/L	0.000063	0.000083	0.00016	0.00023	0.00025	*Variable*
Selenium (Se)	mg/L	0.00020	0.00021	0.00021	0.00021	0.00021	*0.001*
Uranium (U)	mg/L	0.00016	0.00016	0.00017	0.00017	0.00017	*0.015*
Zinc (Zn)*	mg/L	0.0013	0.0014	0.0015	0.0016	0.0016	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-10:
PUMP03 Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for PUMP03					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	256	293	395	477	502	*1000*
Ammonia (NH_3-N)**	mg/L	0.17	0.18	0.25	0.31	0.31	*0.58*
Chloride (Cl)	mg/L	51	55	73	92	93	*120*
Sulfate (SO_4)*	mg/L	69	88	149	199	213	*Variable*
Arsenic (As)	mg/L	0.00090	0.0011	0.0017	0.0023	0.0025	*0.025*
Cadmium (Cd)*	mg/L	0.000021	0.000025	0.000037	0.000048	0.000050	*Variable*
Cobalt (Co)	mg/L	0.00011	0.00013	0.00019	0.00023	0.00025	-
Copper (Cu)*	mg/L	0.0016	0.0018	0.0024	0.0029	0.0030	*Variable*
Mercury (Hg)	mg/L	0.0000050	0.0000054	0.0000070	0.0000083	0.000009	*2.6E-05*
Manganese (Mn)*	mg/L	0.034	0.041	0.065	0.086	0.091	*Variable*
Nickel (Ni)*	mg/L	0.0036	0.0042	0.0059	0.0073	0.0077	*Variable*
Phosphorus (P)	mg/L	0.0047	0.0050	0.0060	0.0069	0.0071	*0.01*
Lead (Pb)*	mg/L	0.00018	0.00025	0.00049	0.00069	0.00074	*Variable*
Selenium (Se)	mg/L	0.00025	0.00030	0.00043	0.00055	0.00058	*0.001*
Uranium (U)	mg/L	0.00021	0.00025	0.00037	0.00047	0.00050	*0.015*
Zinc (Zn)*	mg/L	0.0014	0.0015	0.0020	0.0023	0.0024	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-11:
PUMP04 Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for PUMP04					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	156	164	201	235	252	*1000*
Ammonia (NH_3-N)**	mg/L	0.11	0.11	0.15	0.20	0.25	*0.58*
Chloride (Cl)	mg/L	27	28	35	43	68	*120*
Sulfate (SO_4)*	mg/L	44	49	79	106	114	*Variable*
Arsenic (As)	mg/L	0.0012	0.0021	0.0045	0.0066	0.0071	*0.025*
Cadmium (Cd)*	mg/L	0.000023	0.000026	0.000036	0.000045	0.000048	*Variable*
Cobalt (Co)	mg/L	0.00019	0.00037	0.00079	0.0011	0.00123	-
Copper (Cu)*	mg/L	0.0014	0.0015	0.0017	0.0020	0.0021	*Variable*
Mercury (Hg)	mg/L	0.0000089	0.0000092	0.000010	0.000011	0.000011	*2.6E-05*
Manganese (Mn)*	mg/L	0.039	0.053	0.085	0.11	0.12	*Variable*
Nickel (Ni)*	mg/L	0.0039	0.0040	0.0055	0.0068	0.0073	*Variable*
Phosphorus (P)	mg/L	0.0056	0.0097	0.011	0.012	0.012	*0.01*
Lead (Pb)*	mg/L	0.000077	0.00032	0.00059	0.00079	0.00088	*Variable*
Selenium (Se)	mg/L	0.00025	0.00026	0.00044	0.00060	0.00065	*0.001*
Uranium (U)	mg/L	0.00022	0.0005	0.0014	0.0022	0.0024	*0.015*
Zinc (Zn)*	mg/L	0.0015	0.0017	0.0020	0.0022	0.0022	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-12:
WES04 Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for WES04					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	60	77	130	175	187	*1000*
Ammonia (NH_3-N)**	mg/L	0.021	0.021	0.022	0.022	0.02	*0.58*
Chloride (Cl)	mg/L	11	12	13	15	15	*120*
Sulfate (SO_4)*	mg/L	24	35	69	97	105	*Variable*
Arsenic (As)	mg/L	0.00080	0.0011	0.0021	0.0029	0.0031	*0.025*
Cadmium (Cd)*	mg/L	0.000015	0.000020	0.000036	0.000050	0.000054	*Variable*
Cobalt (Co)	mg/L	0.000075	0.000091	0.00014	0.00018	0.00019	-
Copper (Cu)*	mg/L	0.0014	0.0018	0.0029	0.0039	0.0041	*Variable*
Mercury (Hg)	mg/L	0.0000055	0.0000079	0.000016	0.000023	0.000025	*2.6E-05*
Manganese (Mn)*	mg/L	0.027	0.039	0.079	0.11	0.12	*Variable*
Nickel (Ni)*	mg/L	0.0036	0.0051	0.010	0.015	0.016	*Variable*
Phosphorus (P)	mg/L	0.0040	0.0041	0.0041	0.0042	0.0043	*0.01*
Lead (Pb)*	mg/L	0.000039	0.000043	0.000058	0.000070	0.000073	*Variable*
Selenium (Se)	mg/L	0.00021	0.00029	0.00057	0.00080	0.00086	*0.001*
Uranium (U)	mg/L	0.00016	0.00023	0.00047	0.00067	0.00072	*0.015*
Zinc (Zn)*	mg/L	0.0011	0.0012	0.0017	0.0021	0.0022	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-13:
WES05 Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for WES05					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	57	59	66	72	74	*1000*
Ammonia (NH_3-N)**	mg/L	0.051	0.052	0.053	0.055	0.06	*0.58*
Chloride (Cl)	mg/L	24	25	25	25	26	*120*
Sulfate (SO_4)*	mg/L	8.8	9.1	10	11	11	*Variable*
Arsenic (As)	mg/L	0.00044	0.00051	0.00076	0.0010	0.0010	*0.025*
Cadmium (Cd)*	mg/L	0.0000081	0.0000090	0.000012	0.000014	0.000015	*Variable*
Cobalt (Co)	mg/L	0.000070	0.000084	0.00013	0.00018	0.00019	-
Copper (Cu)*	mg/L	0.00091	0.00093	0.0010	0.0011	0.0011	*Variable*
Mercury (Hg)	mg/L	0.0000024	0.0000029	0.0000049	0.0000066	0.0000069	*2.6E-05*
Manganese (Mn)*	mg/L	0.010	0.012	0.023	0.033	0.036	*Variable*
Nickel (Ni)*	mg/L	0.0013	0.0013	0.0016	0.0018	0.0019	*Variable*
Phosphorus (P)	mg/L	0.0046	0.0050	0.0063	0.0073	0.0076	*0.01*
Lead (Pb)*	mg/L	0.000049	0.00007	0.00015	0.00022	0.00024	*Variable*
Selenium (Se)	mg/L	0.000079	0.000083	0.00010	0.00011	0.00011	*0.001*
Uranium (U)	mg/L	0.000047	0.000051	0.000065	0.000078	0.000081	*0.015*
Zinc (Zn)*	mg/L	0.00093	0.0010	0.0012	0.0013	0.0013	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-14:
Discovery Pit Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for Discovery Pit					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	98	124	200	262	275	*1000*
Ammonia (NH_3-N)**	mg/L	0.13	0.14	0.16	0.18	0.18	*0.58*
Chloride (Cl)	mg/L	41	43	48	52	52	*120*
Sulfate (SO_4)*	mg/L	18	27	62	92	99	*Variable*
Arsenic (As)	mg/L	0.00078	0.0011	0.0024	0.0035	0.0037	*0.025*
Cadmium (Cd)*	mg/L	0.000013	0.000018	0.000038	0.000055	0.000058	*Variable*
Cobalt (Co)	mg/L	0.00033	0.00049	0.0011	0.0017	0.0018	-
Copper (Cu)*	mg/L	0.0009	0.0010	0.0014	0.0017	0.0017	*Variable*
Mercury (Hg)	mg/L	0.0000026	0.0000031	0.0000048	0.0000063	0.0000067	*2.6E-05*
Manganese (Mn)*	mg/L	0.019	0.030	0.071	0.11	0.11	*Variable*
Nickel (Ni)*	mg/L	0.0015	0.0021	0.0046	0.0067	0.0072	*Variable*
Phosphorus (P)	mg/L	0.0044	0.0045	0.0049	0.0052	0.0052	*0.01*
Lead (Pb)*	mg/L	0.000044	0.000053	0.000089	0.00012	0.00013	*Variable*
Selenium (Se)	mg/L	0.00015	0.00022	0.00049	0.00072	0.00077	*0.001*
Uranium (U)	mg/L	0.00080	0.0012	0.0030	0.0045	0.0049	*0.015*
Zinc (Zn)*	mg/L	0.0010	0.0011	0.0015	0.0019	0.0019	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-15:
F ZONE Pit Lake Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for F ZONE Pit Lake					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	71	110	158	187	198	*1000*
Ammonia (NH_3-N)**	mg/L	0.050	0.088	0.10	0.12	0.13	*0.58*
Chloride (Cl)	mg/L	21	21	25	29	30	*120*
Sulfate (SO_4)*	mg/L	21	32	55	74	79	*Variable*
Arsenic (As)	mg/L	0.00045	0.0011	0.0027	0.0040	0.0042	*0.025*
Cadmium (Cd)*	mg/L	0.000011	0.000018	0.000029	0.000035	0.000036	*Variable*
Cobalt (Co)	mg/L	0.000083	0.00019	0.00048	0.00070	0.00074	-
Copper (Cu)*	mg/L	0.0011	0.0012	0.0016	0.0018	0.0018	*Variable*
Mercury (Hg)	mg/L	0.0000032	0.0000067	0.0000094	0.000010	0.000011	*2.6E-05*
Manganese (Mn)*	mg/L	0.014	0.035	0.069	0.088	0.095	*Variable*
Nickel (Ni)*	mg/L	0.0017	0.0026	0.0041	0.0050	0.0053	*Variable*
Phosphorus (P)	mg/L	0.0046	0.0071	0.010	0.011	0.011	*0.01*
Lead (Pb)*	mg/L	0.000048	0.00023	0.00052	0.00069	0.00073	*Variable*
Selenium (Se)	mg/L	0.00011	0.00016	0.00030	0.00040	0.00043	*0.001*
Uranium (U)	mg/L	0.000082	0.0002	0.00068	0.0012	0.0012	*0.015*
Zinc (Zn)*	mg/L	0.0010	0.0015	0.0019	0.0020	0.0021	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-16:
WN Pit Lake Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for WN Pit Lake					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	56	75	127	168	179	*1000*
Ammonia (NH_3-N)**	mg/L	0.04	0.065	0.072	0.078	0.079	*0.58*
Chloride (Cl)	mg/L	18	18	20	22	23	*120*
Sulfate (SO_4)*	mg/L	12	17	35	49	53	*Variable*
Arsenic (As)	mg/L	0.00065	0.00087	0.0016	0.0021	0.0023	*0.025*
Cadmium (Cd)*	mg/L	0.000011	0.000013	0.000021	0.000026	0.000028	*Variable*
Cobalt (Co)	mg/L	0.00012	0.00014	0.00022	0.00027	0.00028	-
Copper (Cu)*	mg/L	0.0010	0.0011	0.0015	0.0018	0.0019	*Variable*
Mercury (Hg)	mg/L	0.0000035	0.0000042	0.0000064	0.0000081	0.0000084	*2.6E-05*
Manganese (Mn)*	mg/L	0.015	0.022	0.047	0.067	0.073	*Variable*
Nickel (Ni)*	mg/L	0.0017	0.0023	0.0044	0.0061	0.0066	*Variable*
Phosphorus (P)	mg/L	0.0049	0.0055	0.0073	0.0086	0.0089	*0.01*
Lead (Pb)*	mg/L	0.000061	0.00013	0.00038	0.00058	0.00063	*Variable*
Selenium (Se)	mg/L	0.00010	0.00013	0.00023	0.00031	0.00033	*0.001*
Uranium (U)	mg/L	0.00015	0.00018	0.00023	0.00026	0.00026	*0.015*
Zinc (Zn)*	mg/L	0.0010	0.0012	0.0015	0.0018	0.0019	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-17:
TIRI Pit Lake Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for TIRI Pit Lake					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	179	197	283	350	362	*1000*
Ammonia (NH_3-N)**	mg/L	0.14	0.15	0.21	0.26	0.27	*0.58*
Chloride (Cl)	mg/L	34	35	44	54	57	*120*
Sulfate (SO_4)*	mg/L	49	64	130	181	191	*Variable*
Arsenic (As)	mg/L	0.0022	0.0033	0.0078	0.011	0.012	*0.025*
Cadmium (Cd)*	mg/L	0.000027	0.000032	0.000052	0.000067	0.000071	*Variable*
Cobalt (Co)	mg/L	0.00042	0.00060	0.0014	0.0020	0.0021	-
Copper (Cu)*	mg/L	0.0015	0.0016	0.0021	0.0025	0.0026	*Variable*
Mercury (Hg)	mg/L	0.0000094	0.000010	0.000011	0.000012	0.000012	*2.6E-05*
Manganese (Mn)*	mg/L	0.051	0.062	0.12	0.16	0.17	*Variable*
Nickel (Ni)*	mg/L	0.0044	0.0050	0.0077	0.0099	0.010	*Variable*
Phosphorus (P)	mg/L	0.0079	0.012	0.013	0.013	0.014	*0.01*
Lead (Pb)*	mg/L	0.00022	0.00033	0.00078	0.00113	0.00120	*Variable*
Selenium (Se)	mg/L	0.00028	0.00036	0.00072	0.0010	0.0011	*0.001*
Uranium (U)	mg/L	0.00076	0.0011	0.0029	0.0042	0.0045	*0.015*
Zinc (Zn)*	mg/L	0.0017	0.0018	0.0022	0.0025	0.0026	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-18:
TIRI02/04 Pit Lake Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for TIRI02/04 Pit Lake					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	140	143	163	186	192	*1000*
Ammonia (NH_3-N)**	mg/L	0.17	0.18	0.25	0.32	0.34	*0.58*
Chloride (Cl)	mg/L	37	38	46	55	58	*120*
Sulfate (SO_4)*	mg/L	35	36	41	47	49	*Variable*
Arsenic (As)	mg/L	0.0022	0.0022	0.0022	0.0023	0.0023	*0.025*
Cadmium (Cd)*	mg/L	0.000027	0.000027	0.000028	0.000029	0.000029	*Variable*
Cobalt (Co)	mg/L	0.00039	0.00040	0.00044	0.00047	0.00049	-
Copper (Cu)*	mg/L	0.0013	0.0013	0.0013	0.0013	0.0013	*Variable*
Mercury (Hg)	mg/L	0.000010	0.000010	0.000010	0.000010	0.000011	*2.6E-05*
Manganese (Mn)*	mg/L	0.050	0.051	0.056	0.060	0.062	*Variable*
Nickel (Ni)*	mg/L	0.0031	0.0031	0.0033	0.0035	0.0035	*Variable*
Phosphorus (P)	mg/L	0.0097	0.0098	0.010	0.010	0.010	*0.01*
Lead (Pb)*	mg/L	0.00035	0.00036	0.00041	0.00045	0.00047	*Variable*
Selenium (Se)	mg/L	0.00021	0.00022	0.00022	0.00023	0.00023	*0.001*
Uranium (U)	mg/L	0.00053	0.00054	0.00059	0.00063	0.00065	*0.015*
Zinc (Zn)*	mg/L	0.0019	0.0019	0.0019	0.0020	0.0020	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

Table 4-19:
WES Pit Lake Post Closure Predictions Compared to Aquatic Guidelines

Parameter	Unit	Summary Statistics for WES Pit Lake					*Aquatic Guideline*
		Min	P10	Mean	P90	Max	
Total Dissolved Solids (TDS)	mg/L	78	78	81	83	84	*1000*
Ammonia (NH_3-N)**	mg/L	0.10	0.10	0.10	0.11	0.11	*0.58*
Chloride (Cl)	mg/L	29	30	33	37	38	*120*
Sulfate (SO_4)*	mg/L	11	11	13	14	14	*Variable*
Arsenic (As)	mg/L	0.00075	0.00078	0.00089	0.0010	0.0010	*0.025*
Cadmium (Cd)*	mg/L	0.0000092	0.000010	0.000011	0.000013	0.000013	*Variable*
Cobalt (Co)	mg/L	0.000089	0.00010	0.00013	0.00017	0.00017	-
Copper (Cu)*	mg/L	0.0010	0.0010	0.0010	0.0010	0.0010	*Variable*
Mercury (Hg)	mg/L	0.0000028	0.0000031	0.0000044	0.0000054	0.0000057	*2.6E-05*
Manganese (Mn)*	mg/L	0.015	0.016	0.023	0.029	0.030	*Variable*
Nickel (Ni)*	mg/L	0.0016	0.0016	0.0017	0.0017	0.0018	*Variable*
Phosphorus (P)	mg/L	0.0053	0.0056	0.0065	0.0073	0.0075	*0.01*
Lead (Pb)*	mg/L	0.000046	0.000061	0.00013	0.00018	0.00020	*Variable*
Selenium (Se)	mg/L	0.00010	0.00010	0.00010	0.00010	0.00010	*0.001*
Uranium (U)	mg/L	0.000077	0.000078	0.000079	0.000079	0.000080	*0.015*
Zinc (Zn)*	mg/L	0.0010	0.0010	0.0011	0.0012	0.0013	*Variable*

Notes: Values shaded in grey are above applicable guidelines. *Guideline assumes induced hardness. **The ammonia (NH_3-N) guideline was determined conservatively by assuming a pH of 8 and a temperature of 15ºC.

5. Closure

We trust that the information provided herein is sufficient for your present needs. Should you require anything further, please contact the undersigned.

Yours sincerely,

LORAX ENVIRONMENTAL SERVICES LTD.

Prepared by:

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2023-01-12

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PERMIT TO PRACTICE
LORAX ENVIRONMENTAL SERVICES LTD.
Signature
Date January 12, 2023
PERMIT NUMBER: P 1487
NT/NU Association of Professional Engineers and Geoscientists

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References

Agnico Eagle. (2020). Meliadine Gold Project – Ocean Discharge Monitoring Plan, v3. April 2020.

Agnico Eagle. (2021). Conceptual Aquatic Effects Monitoring Program Design Plan, Considerations for the Meliadine Extension. December 2021. Version 2_NIRB.

Agnico Eagle. (2022a). Meliadine Gold Mine, Adaptive Management Plan for Water Management. February 2022. Version 2_NIRB.

Agnico Eagle (2022b). Meliadine Extension, Response to Technical Comments. Submitted to the Nunavut Impact Review Board. Submitted by Agnico Eagle Mines Limited - Meliadine Division. November 2022.

Agnico Eagle (2022c). Excel V2103, AEM-calculated GW pumped to SP6 for NWB WBWQM_jm.xlsx. Prepared by Agnico Eagle Mines Limited - Meliadine Division. November 2022.

Golder Associates Ltd. (2020). Meliadine Site Water Balance and Water Quality Model. Type a 2AM-MEL 1631 Water Licence Amendment. Prepared by Golder Associates Ltd. for Agnico Eagle Mines Ltd. August 2020.

Golder Associates Ltd. (2014). Volume 7.0 Freshwater Environment. Final Environmental Impact Statement (FEIS) – Meliadine Gold Project. Prepared for Agnico Eagle Mines Ltd. by Golder Associates Ltd. April 2014.

Lorax Environmental Services Ltd. (2022a). Meliadine Extension Water Balance and Water Quality Model – Technical Report. *Meliadine Extension Application-Appendix H-07_Water Balance Water Quality Model.* Prepared by Lorax Environmental Services Ltd. for Agnico Eagle Mines Ltd. February 2022. 1471 pp.

Lorax Environmental Services Ltd. (2022b). Meliadine Extension: Geochemical Characterization and Source Term Report. *Meliadine Extension Application-Appendix G-06_Geochemical Characterization and Source Terms*. Prepared for Agnico Eagle Mines Ltd., by Lorax Environmental Services, April 2022.

Okane Consultants Inc. (2022a). Meliadine Tailings Storage Facility Thermal Modelling. 948-029-002 Rev5. Prepared for Agnico Eagle Mines Ltd. by Okane Consultants Inc. February 14, 2022. 99 pp.

Okane Consultants Inc. (2022b). Water Balance Modelling of Meliadine WRSFs. 948-229-002 Rev0. Prepared for Agnico Eagle Mines Ltd. by Okane Consultants Inc. November, 2022.

Okane Consultants Inc. (2022c). Thermal Modelling of Meliadine Discovery WRSFs. 948-229-001 Rev1. Prepared for Agnico Eagle Mines Ltd. by Okane Consultants Inc. December, 2022.

Okane Consultants Inc. (2022d). Meliadine ACLC Kinetic Testing Summary Memorandum. 948-021-013 Rev4. Prepared for Agnico Eagle Mines Ltd. by Okane Consultants Inc. September, 2022.

Tetra Tech. (2022a). Design Basis for Water Management Infrastructure, TSF and WRSF PFS Engineering Design for Operation Phase, Meliadine Extension, Nunavut. ENG.EARC03193-04 v5. Prepared for Agnico Eagle Mines Ltd. By TetraTech Canada Inc. January, 2023.

Tetra Tech. (2022b). Prefeasibility Level Design of Waste Rock Storage Facilities, Meliadine Extension Project, Nunavut. ENG.EARC0.193-04. Prepared for Agnico Eagle Mines Ltd. By TetraTech Canada Inc. January, 2023.

WSP Golder. (2022). Updated Hydrogeology Modelling Meliadine Extension. 22513890-941-R Rev.B. Prepared for Agnico Eagle Mines Ltd. By Golder Associates Ltd. July, 2022.

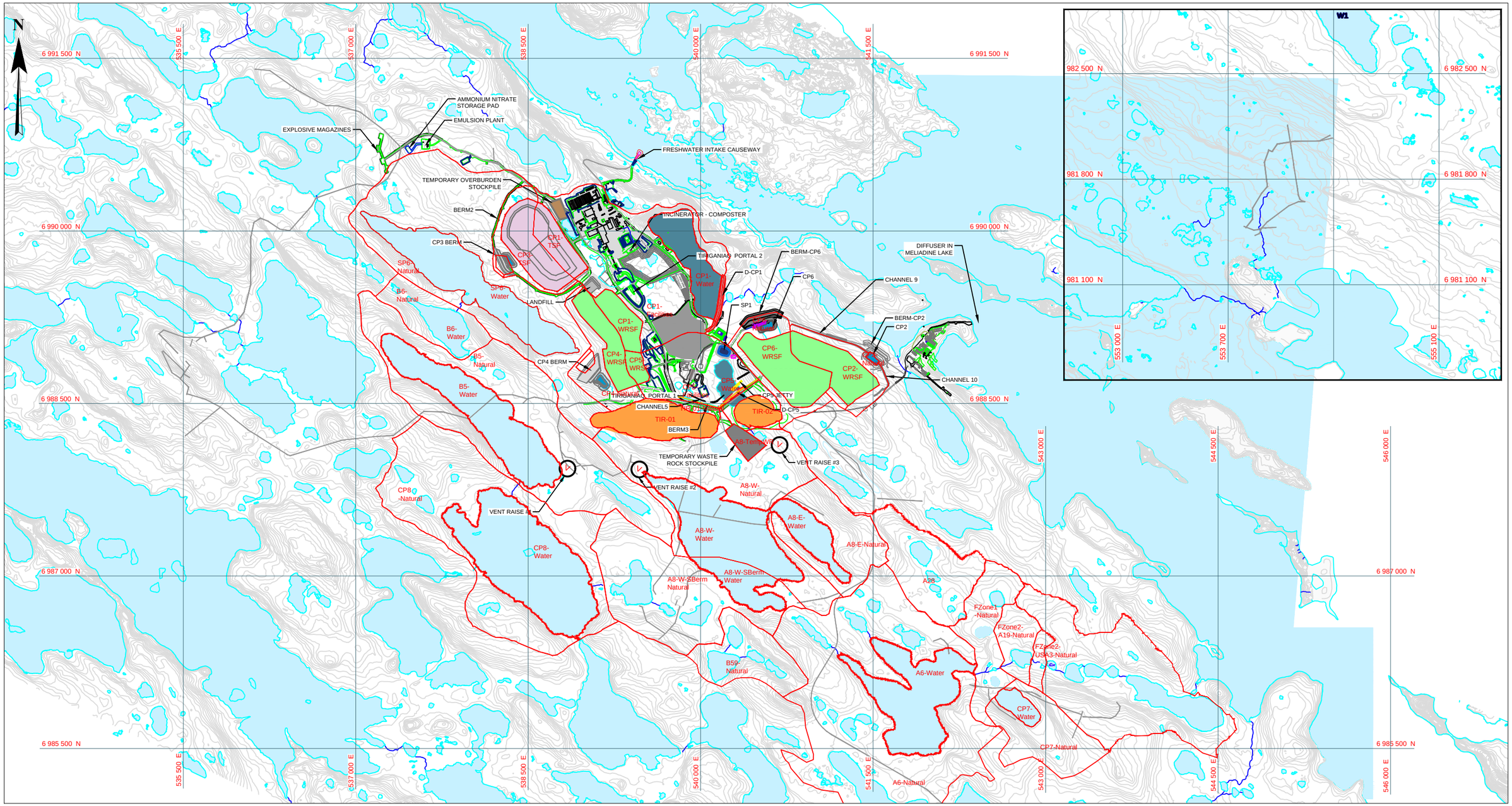
Appendix A: Mine Site Layout

APPENDIX A.1: SITE LAYOUT WITH SUB-CATCHMENT DELINEATION

APPENDIX A.2: SUB-CATCHMENT SURFACE AREAS

AGNICO EAGLE

APPENDIX A.1: SITE LAYOUT WITH SUB-CATCHMENT DELINEATION



LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- ROAD
- ROAD TOE
- ROAD CREST
- HYDRO LINE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATER
- DEWATERED
- APPROVED DIFFUSER
- VENT RAISES
- OPEN PITS COMPLETED
- OPEN PITS IN PROGRESS
- TAILINGS STORAGE FACILITY IN PROGRESS
- WASTE ROCK STORAGE FACILITY COMPLETED
- WASTE ROCK STORAGE FACILITY IN PROGRESS

DATE SAVED:	Jan 12, 2023
DRAWN BY:	GM
REVIEWED:	SJ
VERSION:	1

Original Figure:
Figure 4. *2021 Year Over Site Layout.*
Produced Aug 12, 2022 by Tetra Tech.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Balance Layout - 2021

PROJECT #: A574-3

FIGURE: 1

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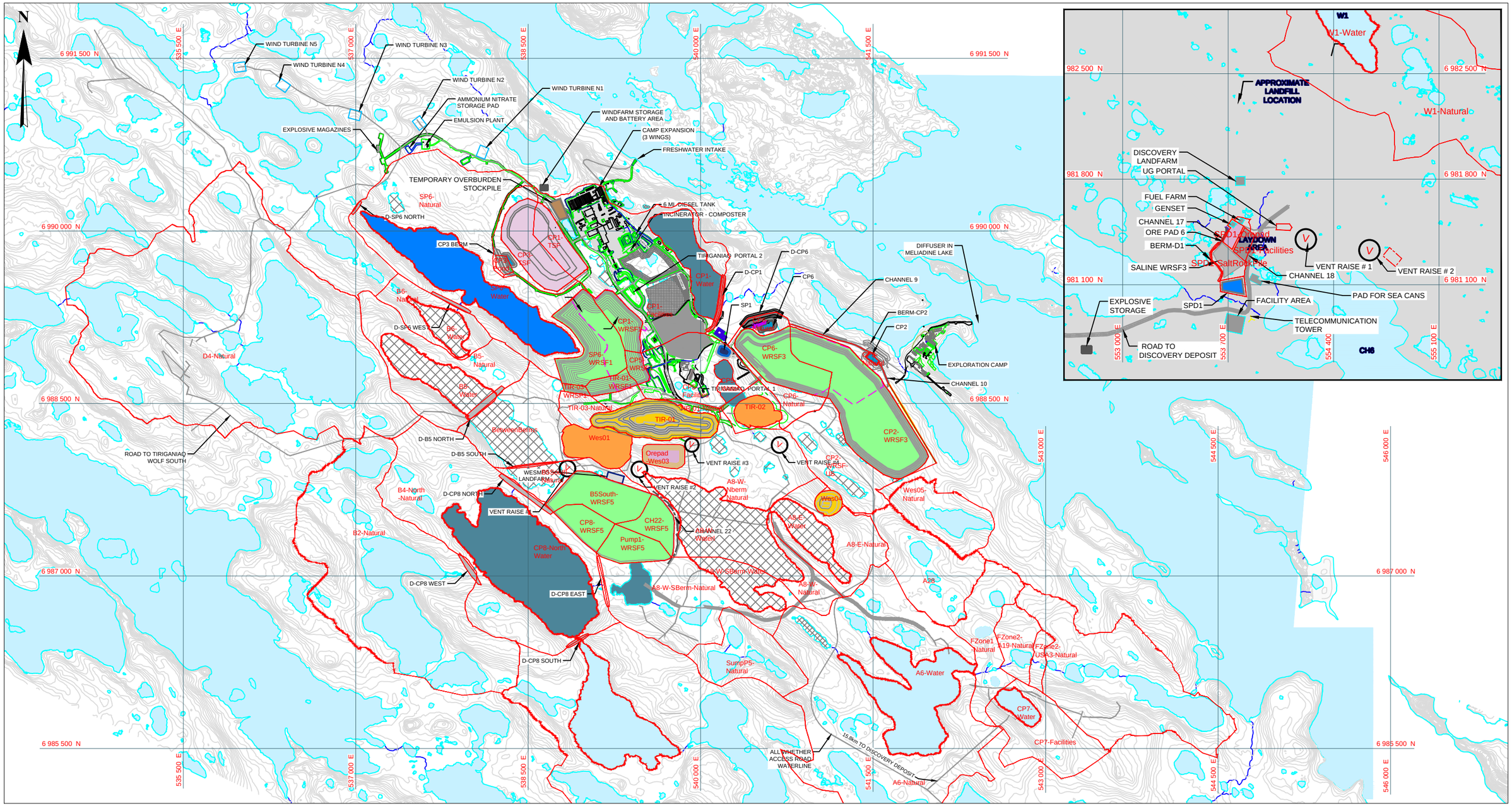

LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- ROAD
- ROAD TOE
- ROAD CREST
- HYDRO LINE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATER
- DEWATERED
- APPROVED DIFFUSER
- VENT RAISES
- OPEN PITS COMPLETED
- OPEN PITS IN PROGRESS
- TAILINGS STORAGE FACILITY IN PROGRESS
- WASTE ROCK STORAGE FACILITY COMPLETED
- WASTE ROCK STORAGE FACILITY IN PROGRESS

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REVIEWED:	SJ
VERSION:	1

Original Figure:
Figure 5. *2025 Year Over Site Layout.*
Produced Aug 12, 2022 by Tetra Tech.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Balance Layout - 2025

PROJECT #: A574-3

FIGURE: 1

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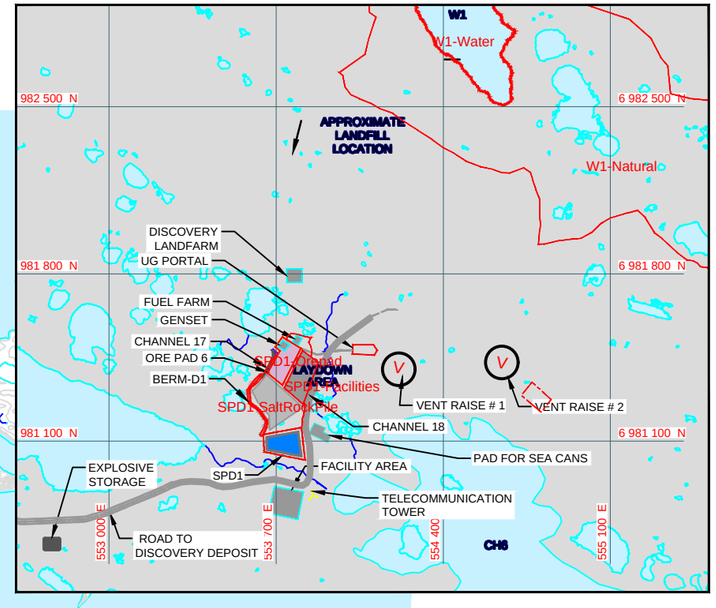
6 988 500 N
6 987 000 N
6 985 500 N

535 500 E
537 000 E
538 500 E
540 000 E
541 500 E
543 000 E
544 500 E
546 000 E

OPTIONAL / ALTERNATIVE WIND TURBINE N11
OPTIONAL / ALTERNATIVE WIND TURBINE N10
OPTIONAL / ALTERNATIVE WIND TURBINE N8
OPTIONAL / ALTERNATIVE WIND TURBINE N7
OPTIONAL / ALTERNATIVE WIND TURBINE N9
OPTIONAL / ALTERNATIVE WIND TURBINE N6
WIND TURBINE N5
WIND TURBINE N4
WIND TURBINE N3
WIND TURBINE N2
WIND TURBINE N1
EXPLOSIVE MAGAZINES
AMMONIUM NITRATE STORAGE PAD
EMULSION PLANT
WINDFARM STORAGE AND BATTERY AREA
CAMP EXPANSION (3 WINGS)
FRESHWATER INTAKE
6 ML DIESEL TANK
INCINERATOR - COMPOSTER
TIRIGANIAQ PORTAL 2
TIRIGANIAQ PORTAL 1
D-CP6
D-CP1
CP6
CP1 - Water
CP1 - WRSF1
CP6 - WRSF3
CP2 - WRSF3
CP2 - WRSF - US
CP2 - Natural
CP6 - Natural
CP1 - Natural
CP1 - Facilities
SP1
CHANNEL 9
BERM-CP2
CP2
EXPLORATION CAMP
CHANNEL 10
DIFFUSER IN MELIADINE LAKE
SP6 - WRSF1
SP6 - TSF
SP6 - TSF
SP6 - Natural
D-SP6 NORTH
D-SP6 WEST
B6 - Natural
B6 - Water
B5 - Natural
B5 - Water
D4-Natural
TIR-03 - WRSF1
TIR-03-Natural
TIR-01 - WRSF1
TIR-01
TIR-01-Natural
TIR-02
TIR-02-Natural
VN01 - Natural
WA01
Wes01
Orepad Wes03
VENT RAISE #3
VENT RAISE #4
VENT RAISE #2
VENT RAISE #1
D-B5 NORTH
D-B5 SOUTH
ROAD TO TIRIGANIAQ WOLF SOUTH
Borrow Pit 1
WESMES Landfarm
WESMES Landfarm
B4-North -Natural
D-CP8 NORTH
B5South- WRSF5
CP8- WRSF5
CH22- WRSF5
Pump1- WRSF5
CHANNEL 22
Water
FUEL FARM
A8-W- Nberm Natural
A8-W-SBerm-Water
A8-W-SBerm-Natural
A8-W- Natural
A8-E-Water
A8-E-Natural
A28
Wes04
Wes05- Natural
B2-Natural
CP8-North Water
D-CP8 WEST
D-CP8 EAST
D-CP8 SOUTH
CHANNEL 11
SUMP P1
SumpP1- Natural
SumpP2- Natural
CHANNEL 12
SUMP P2
CHANNEL 13
SumpP5- Natural
SumpP4- Natural
SUMP P4
SUMP P3
SUMP P5
BERM-P5
TANKS AND GENSET
ALL WEATHER ACCESS ROAD WATERLINE
15.6km TO DISCOVERY DEPOSIT
A6-Natural
A6-Water
FZone1 -Natural
FZone2- A19-Natural
FZone2- USA3-Natural
FZone1
FZone1 -Natural
CP7- Water
CP7-Facilities



LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- ROAD
- ROAD TOE
- ROAD CREST
- HYDRO LINE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATER
- DEWATERED
- APPROVED DIFFUSER
- VENT RAISES
- OPEN PITS COMPLETED
- OPEN PITS IN PROGRESS
- TAILINGS STORAGE FACILITY IN PROGRESS
- WASTE ROCK STORAGE FACILITY COMPLETED
- WASTE ROCK STORAGE FACILITY IN PROGRESS

DATE SAVED:	Jan 12, 2023
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REVIEWED:	SJ
VERSION:	1

Original Figure:
Figure 6. *2027 Year Over Site Layout.*
Produced Aug 12, 2022 by Tetra Tech.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

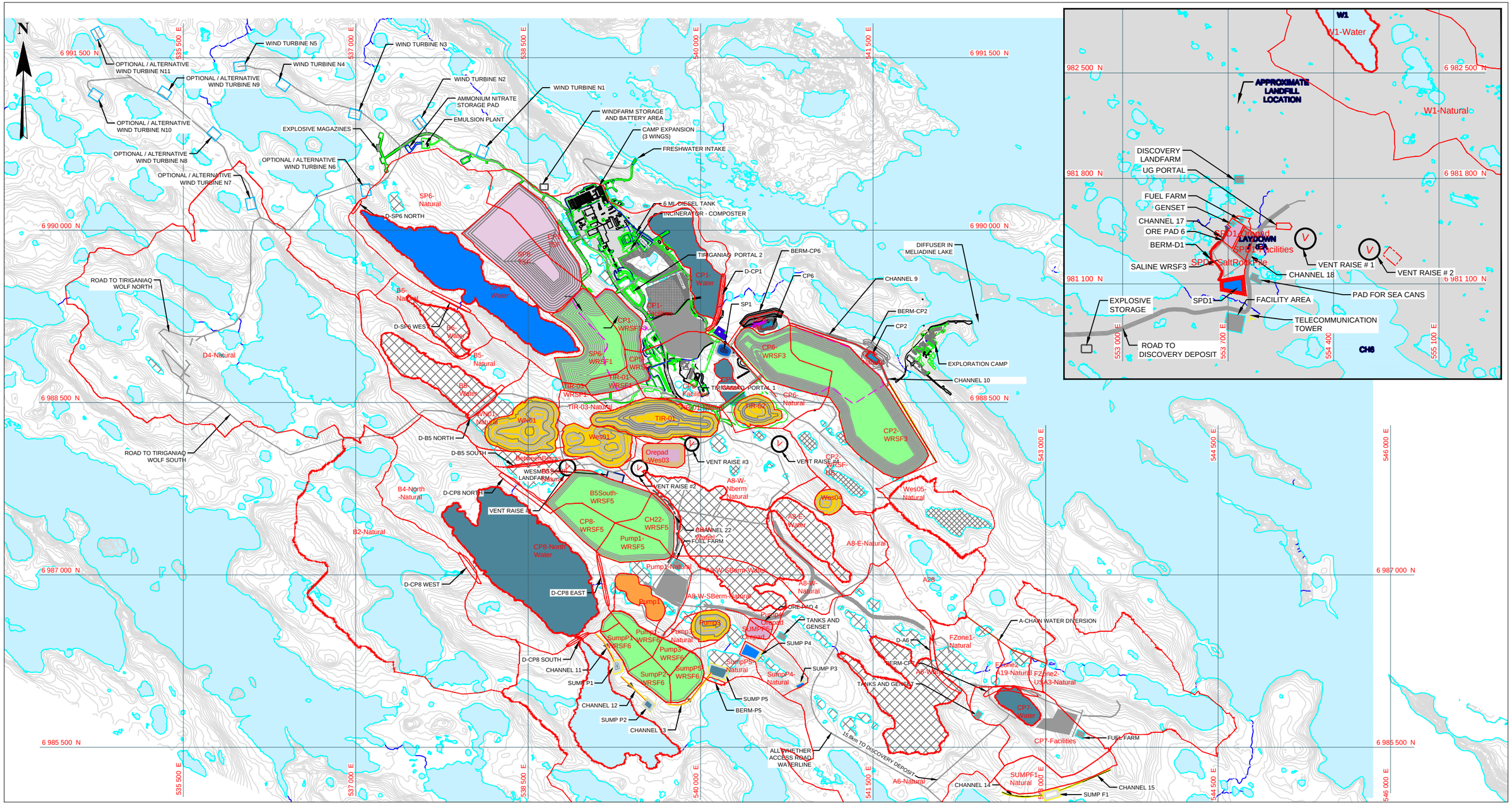
PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Balance Layout - 2027

PROJECT #: A574-3

FIGURE: 1

P:\@Drafting\Meliadine\Drafting Figures\Autocad\Autocad Figures\Aug 2022 Update\DWG\WBM\2027 WBM.dwg



LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- ROAD
- ROAD TOE
- ROAD CREST
- HYDRO LINE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATER
- DEWATERED
- APPROVED DIFFUSER
- VENT RAISES
- OPEN PITS COMPLETED
- OPEN PITS IN PROGRESS
- TAILINGS STORAGE FACILITY IN PROGRESS
- WASTE ROCK STORAGE FACILITY COMPLETED
- WASTE ROCK STORAGE FACILITY IN PROGRESS

DATE SAVED:	Jan 12, 2023
DRAWN BY:	GM
REVIEWED:	SJ
VERSION:	1

Original Figure:
Figure 7. *2029 Year Over Site Layout*.
Produced Aug 12, 2022 by Tetra Tech.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

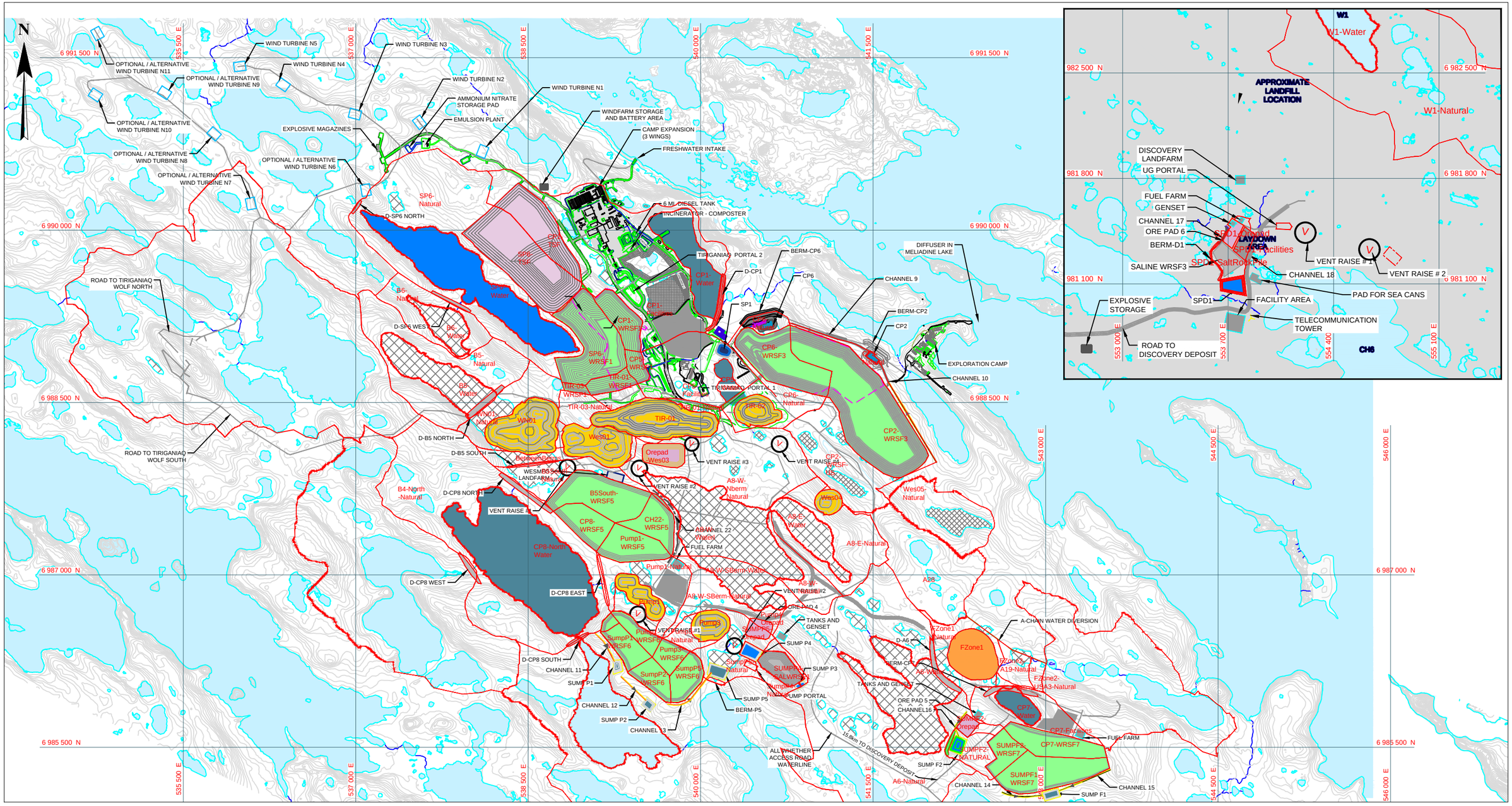
PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Balance Layout - 2029

PROJECT #: A574-3

FIGURE: 1

P:\@Drafting\Meliadine\Drafting Figures\Autocad\Autocad Figures\Aug 2022 Update\DWG\WBM\2029 WBM.dwg



LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- ROAD
- ROAD TOE
- ROAD CREST
- HYDRO LINE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATER
- DEWATERED
- APPROVED DIFFUSER
- VENT RAISES
- OPEN PITS COMPLETED
- OPEN PITS IN PROGRESS
- TAILINGS STORAGE FACILITY IN PROGRESS
- WASTE ROCK STORAGE FACILITY COMPLETED
- WASTE ROCK STORAGE FACILITY IN PROGRESS

DATE SAVED:	Jan 12, 2023
DRAWN BY:	GM
REVIEWED:	SJ
VERSION:	1

Original Figure:
Figure 8. *2030 Year Over Site Layout*.
Produced Aug 12, 2022 by Tetra Tech.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Balance Layout - 2030

PROJECT #: A574-3

FIGURE: 1

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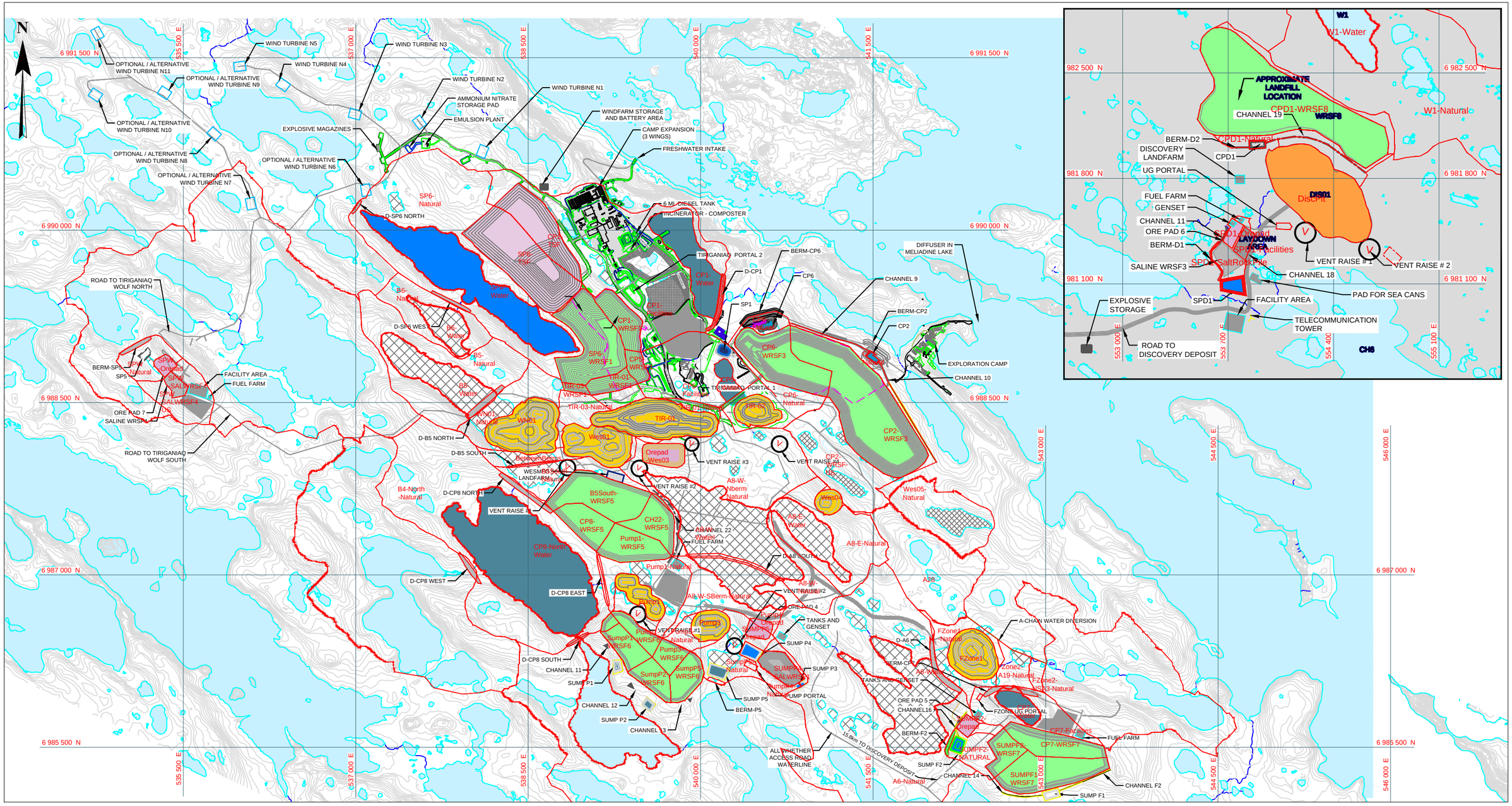
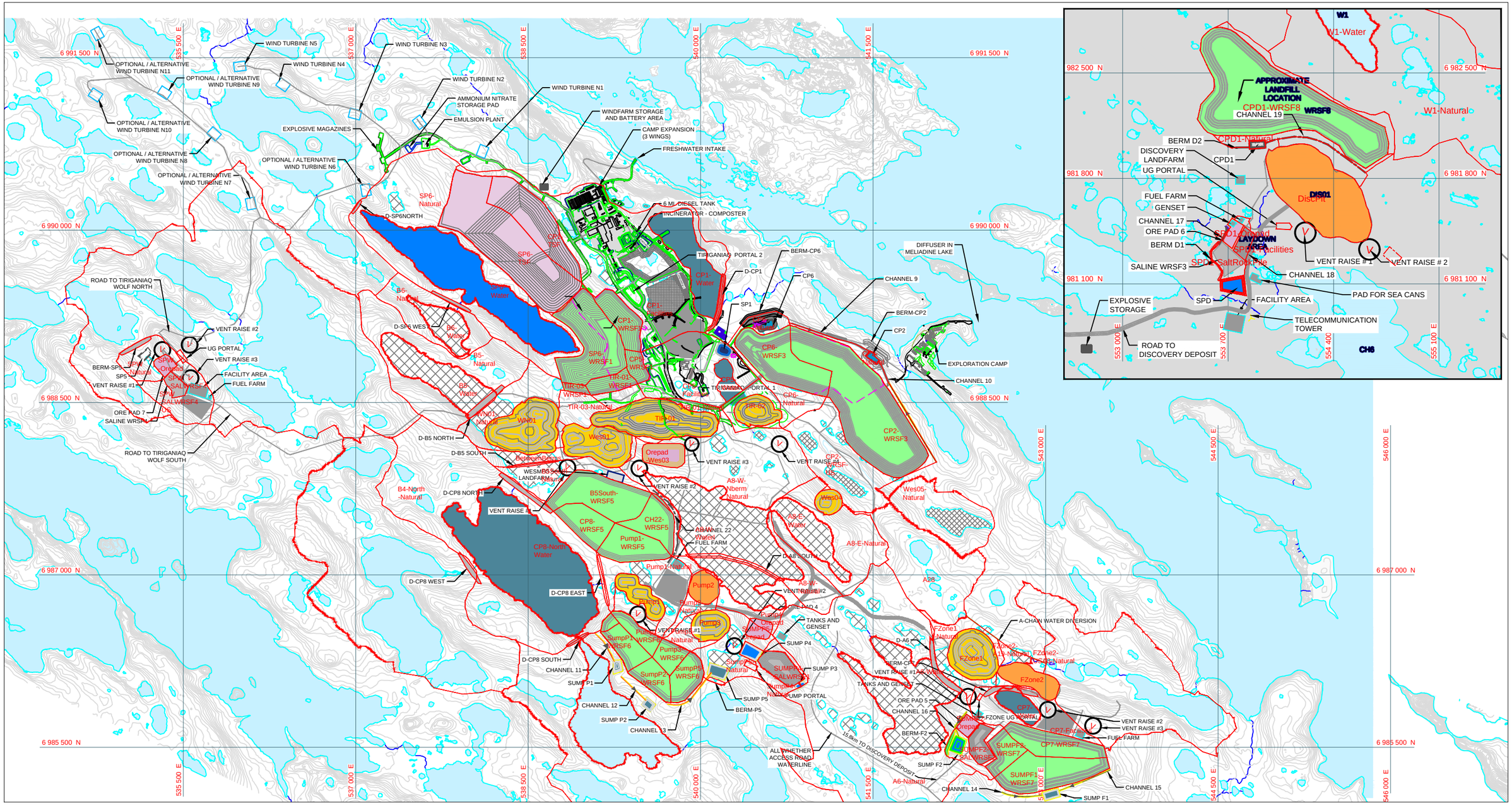

N
6 991 500 N
6 990 000 N
6 988 500 N
6 987 000 N
6 985 500 N
535 500 E
537 000 E
538 500 E
540 000 E
541 500 E
543 000 E
544 500 E
546 000 E
OPTIONAL / ALTERNATIVE WIND TURBINE N11
OPTIONAL / ALTERNATIVE WIND TURBINE N10
OPTIONAL / ALTERNATIVE WIND TURBINE N8
OPTIONAL / ALTERNATIVE WIND TURBINE N7
OPTIONAL / ALTERNATIVE WIND TURBINE N9
OPTIONAL / ALTERNATIVE WIND TURBINE N6
WIND TURBINE N5
WIND TURBINE N4
WIND TURBINE N3
WIND TURBINE N2
WIND TURBINE N1
AMMONIUM NITRATE STORAGE PAD
EMULSION PLANT
EXPLOSIVE MAGAZINES
WINDFARM STORAGE AND BATTERY AREA
CAMP EXPANSION (3 WINGS)
FRESHWATER INTAKE
6 ML DIESEL TANK
INCINERATOR - COMPOSTER
TIRIGANIAQ PORTAL 2
TIRIGANIAQ PORTAL 1
D-CP1
CP6
BERM-CP6
BERM-CP2
CP2
CHANNEL 9
DIFFUSER IN MELIADINE LAKE
EXPLORATION CAMP
CHANNEL 10
SP1
ROAD TO TIRIGANIAQ WOLF NORTH
ROAD TO TIRIGANIAQ WOLF SOUTH
FACILITY AREA
FUEL FARM
ORE PAD 7
SALINE WRSF4
BERM-SP5
SP5
SP5W
SP5E
SP5N
SP5S
D-SP6 NORTH
D-SP6 WEST
D-B5 NORTH
D-B5 SOUTH
D-CP8 NORTH
D-CP8 WEST
D-CP8 EAST
D-CP8 SOUTH
VENT RAISE #1
VENT RAISE #2
VENT RAISE #3
VENT RAISE #4
CHANNEL 11
SUMP P1
CHANNEL 12
SUMP P2
CHANNEL 13
SUMP P3
SUMP P4
SUMP P5
BERM-P5
TANKS AND GENSET
SUMP PORTAL
CHANNEL 22
FUEL FARM
D-A8-SOUTH
A8-W-SBerm-Natural
A8-W-VENT RAISE#2
ORE PAD 4
A-CHAIN WATER DIVERSION
D-A6
BERM-CP7
A6-W-Berm
TANKS AND GENSET
ORE PAD 5
CHANNEL16
FZONE UG PORTAL
BERM-F2
CP7-Facilities
FUEL FARM
SUMPF3-WRSF7
CP7-WRSF7
SUMPF2-MATURAL
SUMP F2
CHANNEL 14
SUMPF1-WRSF7
CHANNEL F2
SUMP F1
ALL WEATHER ACCESS ROAD WATERLINE
15.4km TO DISCOVERY DEPOSIT
SP6-Natural
SP6-Water
SP6-WRSF1
SP6-WRSF2
CP1-Water
CP1-WRSF1
CP1-WRSF2
CP1-WRSF3
CP1-Natural
B6-Natural
B6-Water
B5-Natural
B5-Water
TIR-01-WRSF1
TIR-01-WRSF2
TIR-03-WRSF1
TIR-03-Natural
TIR-01
TIR-02
CP6-Natural
CP6-WRSF3
CP2-WRSF3
CP2-WRSF4
WVO1-Natural
WN01
Wes01
Orepad Wes03
Wes04
Wes05-Natural
B5South-WRSF5
CP8-WRSF5
CH22-WRSF5
Pump1-WRSF5
CP8-North Water
Pump1-Natural
SumpP3-WRSF6
SumpP2-WRSF6
SumpP5-WRSF6
Pump3-WRSF6
Pump4-WRSF6
Pump5-WRSF6
SUMPF4-WRSF6
SUMPF5-WRSF6
SumpP4-Natural
SumpP5-Natural
A8-W-Nberm-Natural
A8-E-Water
A8-E-Natural
A26
FZone1-Natural
FZone1
FZone2-A19-Natural
FZone2-WSN3-Natural
B4-North-Natural
WESMP03-LANDFARM
WESMP03-Natural
B5-WRSF-Natural
A6-Natural
SPM-Orepad
SPM-Natural
SALW-WRSF4
SALW-WRSF3
SALW-WRSF2
SALW-WRSF1
SALW-Natural
SP5-Natural
SP5-Water
SP5-WRSF1
SP5-WRSF2
SP5-WRSF3
SP5-WRSF4



LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- ROAD
- ROAD TOE
- ROAD CREST
- HYDRO LINE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATER
- DEWATERED
- APPROVED DIFFUSER
- VENT RAISES
- OPEN PITS COMPLETED
- OPEN PITS IN PROGRESS
- TAILINGS STORAGE FACILITY IN PROGRESS
- WASTE ROCK STORAGE FACILITY COMPLETED
- WASTE ROCK STORAGE FACILITY IN PROGRESS

DATE SAVED:	Jan 12, 2023
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REVIEWED:	SJ
VERSION:	1

Original Figure:
Figure 10. *2033 Year Over Site Layout.*
Produced Aug 12, 2022 by Tetra Tech.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Balance Layout - 2033

PROJECT #: A574-3

FIGURE: 1

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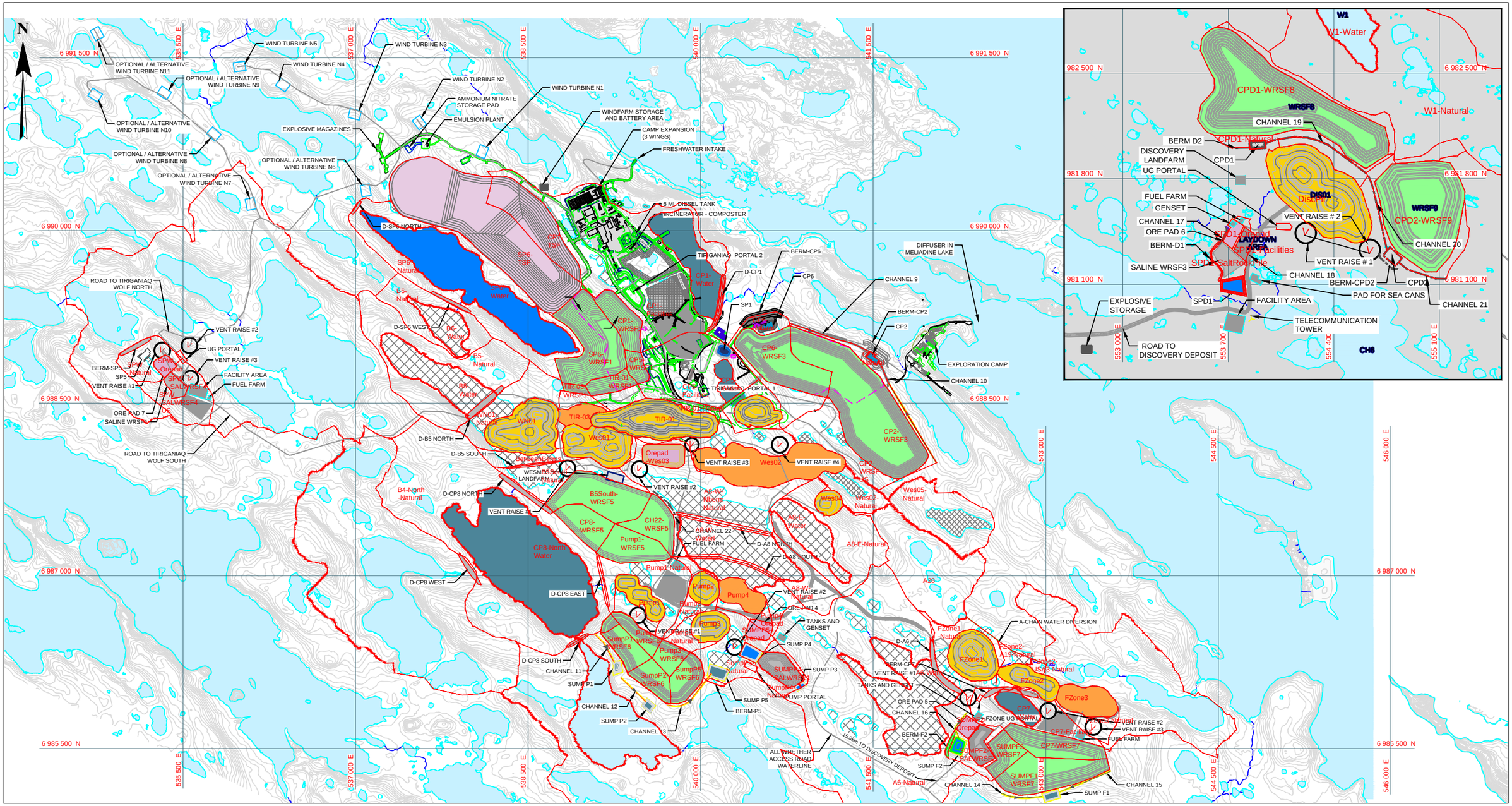


LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- ROAD
- ROAD TOE
- ROAD CREST
- HYDRO LINE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATER
- DEWATERED
- APPROVED DIFFUSER
- VENT RAISES
- OPEN PITS COMPLETED
- OPEN PITS IN PROGRESS
- TAILINGS STORAGE FACILITY IN PROGRESS
- WASTE ROCK STORAGE FACILITY COMPLETED
- WASTE ROCK STORAGE FACILITY IN PROGRESS

DATE SAVED:	Jan 12, 2023
DRAWN BY:	GM
REVIEWED:	SJ
VERSION:	1

Original Figure:
Figure 11. *2036 Year Over Site Layout.*
Produced Aug 12, 2022 by Tetra Tech.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

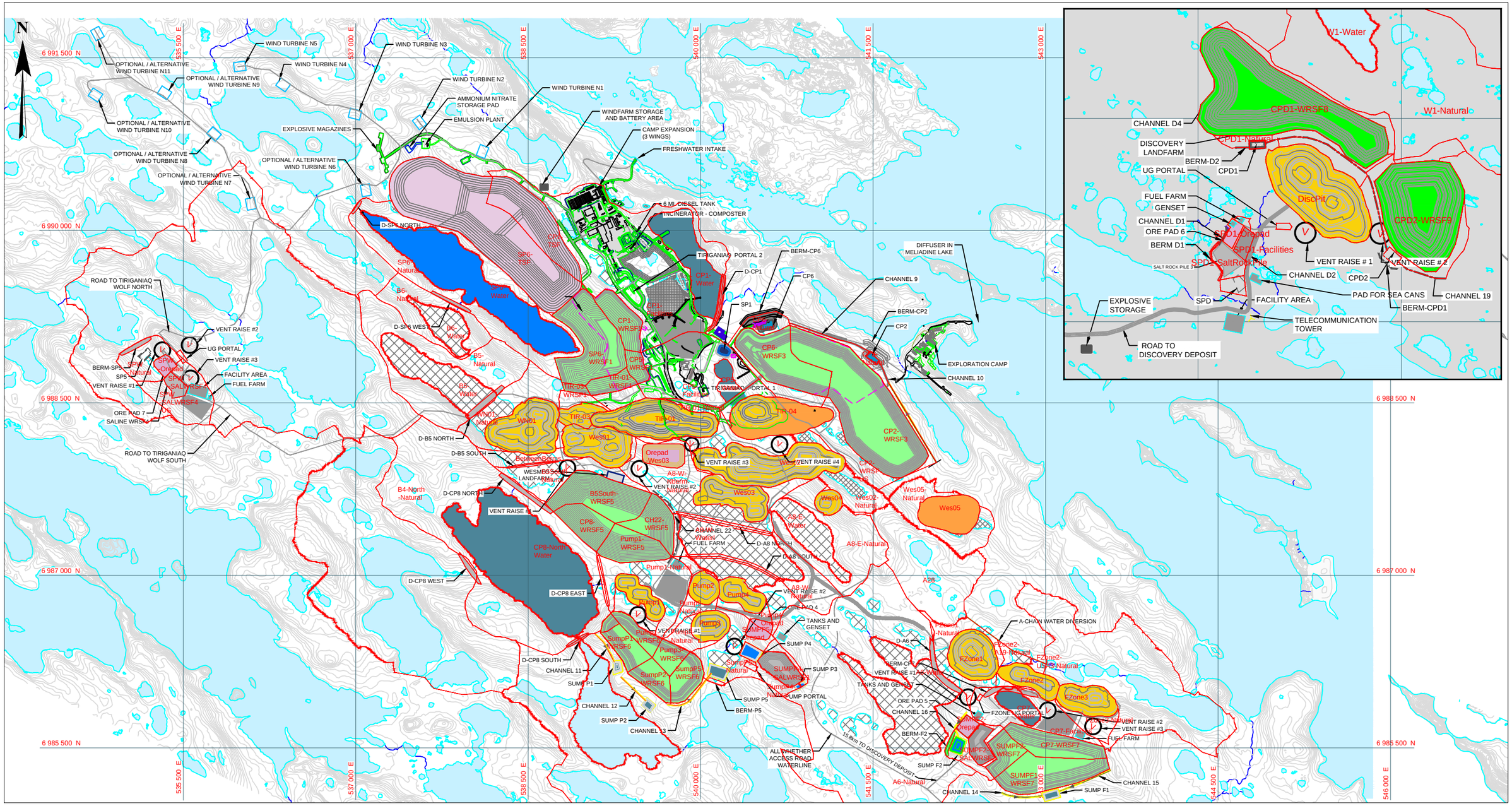
PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Balance Layout - 2036

PROJECT #: A574-3

FIGURE: 1

P:\@Drafting\Meliadine\Drafting Figures\Autocad\Autocad Figures\Aug 2022 Update\DWG\WBM\2036 WBM.dwg



LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- ROAD
- ROAD TOE
- ROAD CREST
- HYDRO LINE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATER
- DEWATERED
- APPROVED DIFFUSER
- VENT RAISES
- OPEN PITS COMPLETED
- OPEN PITS IN PROGRESS
- TAILINGS STORAGE FACILITY IN PROGRESS
- WASTE ROCK STORAGE FACILITY COMPLETED
- WASTE ROCK STORAGE FACILITY IN PROGRESS

DATE SAVED:	Jan 12, 2023
DRAWN BY:	GM
REVIEWED:	SJ
VERSION:	1

Original Figure:
Figure 12. *2040 Year Over Site Layout.*
Produced Aug 12, 2022 by Tetra Tech.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

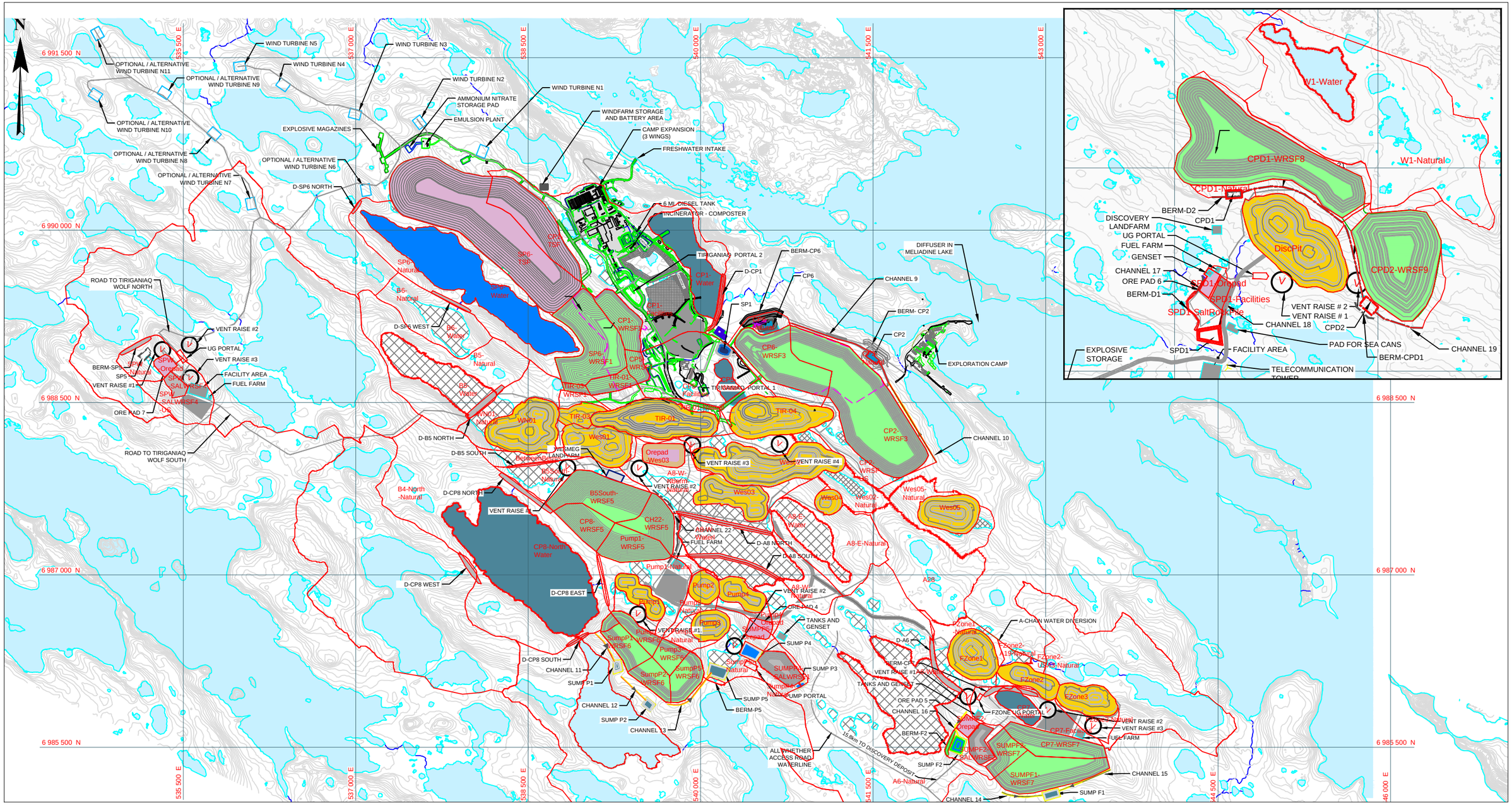
PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Balance Layout - 2040

PROJECT #: A574-3

FIGURE: 1

P:\@Drafting\Meliadine\Drafting Figures\Autocad\Autocad Figures\Aug 2022 Update\DWG\WBM\2040 WBM.dwg



LEGEND

- WATER BALANCE CATCHMENT
- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- ROAD
- ROAD TOE
- ROAD CREST
- HYDRO LINE
- PIPE LINE
- DIVERSION CHANNEL
- CONTACT WATER POND
- SALINE POND
- WATER
- DEWATERED
- APPROVED DIFFUSER
- VENT RAISES
- OPEN PITS COMPLETED
- OPEN PITS IN PROGRESS
- TAILINGS STORAGE FACILITY IN PROGRESS
- WASTE ROCK STORAGE FACILITY COMPLETED
- WASTE ROCK STORAGE FACILITY IN PROGRESS

DATE SAVED:	Jan 12, 2023
DRAWN BY:	GM
REVIEWED:	SJ
VERSION:	1

Original Figure:
Figure 24. *2043 Year Over Site Layout.*
Produced Apr 29, 2021 by Golder.

CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

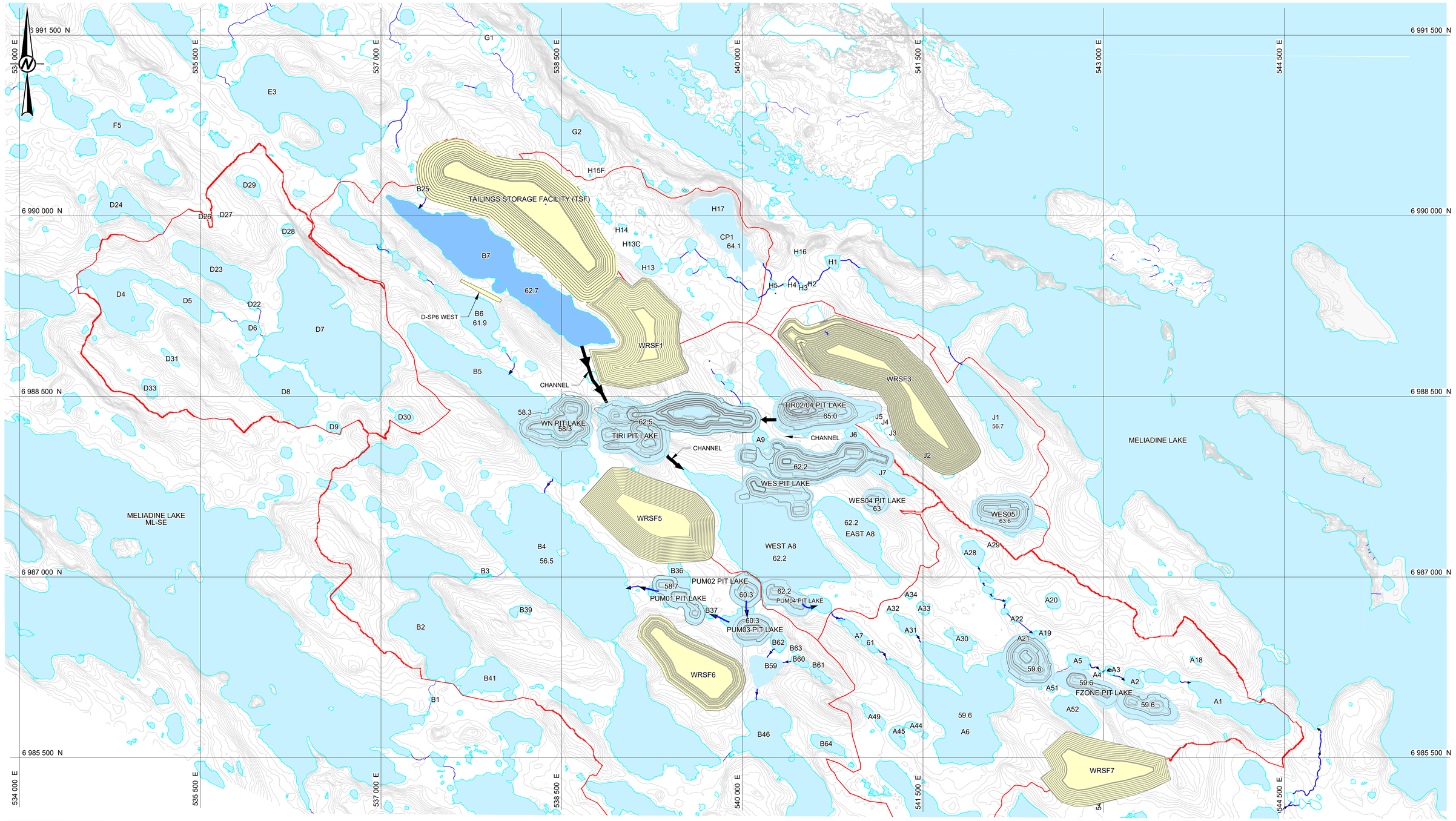
PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Balance Layout - 2043

PROJECT #: A574-3

FIGURE: 1

P:\@Drafting\Meliadine\Drafting Figures\Autocad\Autocad Figures\Aug 2022 Update\DWG\WBM\2043 WBM.dwg



LEGEND

- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- PREDICTION NODES CATCHMENT
- WATER
- RECLAIMED MINE INFRASTRUCTURE

NOTE

1. ALL UNITS ARE IN METRES UNLESS OTHERWISE NOTED.

- CLOSURE DIVERSION CHANNEL
- WATER FLOW

0 500 1,000
1:15,000 METRES

NOT FOR CONSTRUCTION

CLIENT
AGNICO EAGLE MINES LIMITED

PROJECT
MELIADINE MINE EXTENSION

CONSULTANT
TETRA TECH

YYYY-MM-DD	2022/08/15
DESIGNED	HX
PREPARED	DBD
REVIEWED	HX
APPROVED	FN

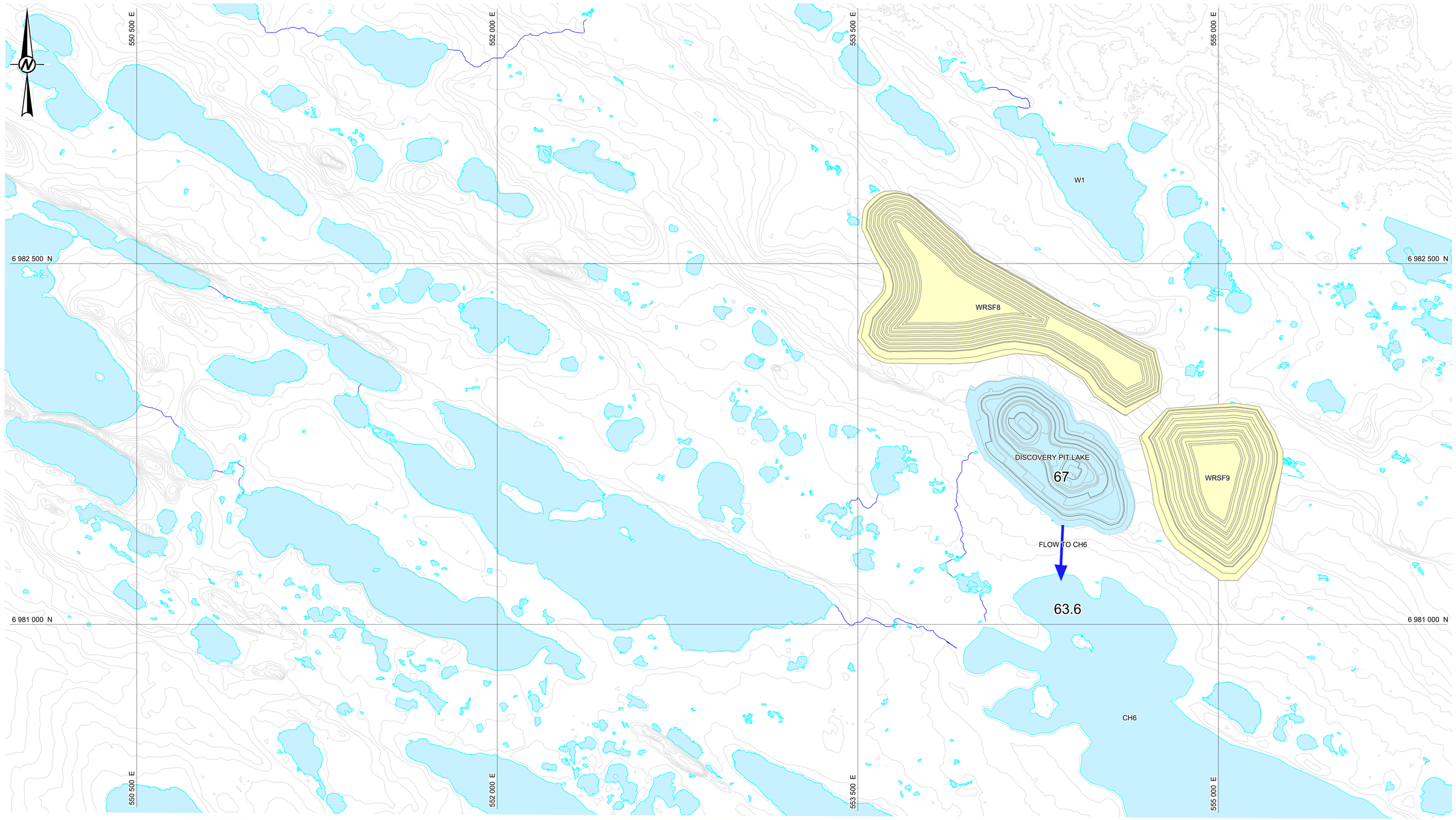
TITLE
POST CLOSURE SITE LAYOUT YEAR 2051 TO 2060

PROJECT NO.	PHASE/TASK/DOC.	REV.	FIGURE
EARC03193-04	2022	1	18

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

0 25mm

Path: G:\Edmonton\Engineering\EA1419\gis\MXD\EARC03193\04\MEL MLAMEL Extension MLA Site Layout\Year\Layout\Update 01 - 2022\9 POST CLOSURE SITE LAYOUT YEAR 2051 TO 2060 Rev. 1-Key\POST CLOSURE SITE LAYOUT YEAR 2051 TO 2060_Rev. 1-Key.mxd (BY: HX, HONGWEI) November 01, 2022 - 3:59:49 pm



LEGEND

- MAJOR AND MINOR CONTOURS FOR PITS
- EXISTING GROUND
- WATER
- RECLAIMED MINE INFRASTRUCTURE

NOTE

1. ALL UNITS ARE IN METRES UNLESS OTHERWISE NOTED.

WATER FLOW

0 250 500
1:7,500 METRES

NOT FOR CONSTRUCTION

CLIENT
AGNICO EAGLE MINES LIMITED

PROJECT
MELIADINE MINE EXTENSION

CONSULTANT
TETRA TECH

YYYY-MM-DD	2022/08/15
DESIGNED	HX
PREPARED	DBD
REVIEWED	HX
APPROVED	FN

TITLE
POST CLOSURE SITE LAYOUT YEAR 2051 TO 2060 - DISCOVERY

PROJECT NO.	PHASE/TASK/DOC.	REV.	FIGURE
EARC03193-04	2022	1	19

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

0 25 mm

P:\dfs\...\EARC03193-04\Rpt\Rpt\...\Rev. 1\Fig POST CLOSURE SITE LAYOUT YEAR 2051 TO 2060 DISCOVERY Rev. 1.dwg, November 01, 2022 - 4:58:55 pm (EP, XX, HOWDAD)

APPENDIX A.2: SUB-CATCHMENT SURFACE AREAS

Table A.2-1: CP1 Subcatchment Areas (ha)

	CP1														
Catchment	CP1-Water	CP1-Facilities	CP1-WRSF1	CP1-TSF	CP2-Natural	CP2-WRSF3	CP2-WRSF3	CP2-WRSF3-US	CP3-TSF	CP3-Natural	CP3-Water	CP4-WRSF1	CP4-Natural	CP4-Pond	CP5-Water
Surface Type	Open Water	wn	WRSF1	TSF	Background	WRSF3	Disturbed	Background	TSF	Disturbed	Open Water	WRSF1 with Salt Rock	Background	Open Water	Open Water
2020	25.58	105.14	11.15	12.86	11.11	8.50	0.59	1.29	22.24	11.14	1.78	15.72	19.53	1.59	5.07
2021	25.58	105.14	11.15	12.86	11.11	26.31	0.00	1.29	22.24	11.14	1.78	15.72	19.53	1.59	5.07
2022	25.58	105.14	11.15	12.86	11.11	26.31	0.00	41.34	22.24	11.14	1.78	15.72	19.53	1.59	5.07
2023	25.58	105.14	11.15	12.86	11.11	26.31	0.00	41.34	22.24	11.14	1.78	15.72	19.53	1.59	5.07
2024	25.58	105.14	11.15	12.86	11.11	26.31	0.00	41.34	22.24	11.14	1.78	0.00	0.00	0.00	5.07
2025	25.58	105.14	11.15	12.86	7.09	26.31	37.82	41.34	22.24	11.14	1.78	0.00	0.00	0.00	5.07
2026	25.58	105.14	11.15	24.88	7.09	26.31	37.82	41.34	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2027	25.58	110.51	11.15	24.88	7.09	26.31	37.82	41.34	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2028	25.58	110.51	11.15	24.88	7.09	70.11	0.00	41.34	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2029	25.58	110.51	11.15	24.88	7.09	70.11	0.00	41.34	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2030	25.58	110.51	11.15	24.88	7.09	70.11	0.00	41.34	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2031	25.58	110.51	11.15	24.88	7.09	70.11	0.00	41.34	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2032	25.58	110.51	11.15	24.88	7.09	70.11	0.00	41.34	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2033	25.58	110.51	11.15	24.88	7.09	70.11	0.00	41.34	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2034	25.58	110.51	11.15	24.88	7.09	70.11	0.00	41.34	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2035	25.58	110.51	11.15	24.88	7.09	70.11	0.00	41.34	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2036	25.58	109.49	11.15	24.88	7.09	70.11	0.00	12.48	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2037	25.58	109.49	11.15	24.88	7.09	70.11	0.00	12.48	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2038	25.58	109.49	11.15	24.88	7.09	70.11	0.00	12.48	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2039	25.58	109.49	11.15	24.88	7.09	70.11	0.00	12.48	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2040	25.58	109.49	11.15	24.88	7.09	70.01	0.00	12.48	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2041	25.58	109.49	11.15	24.88	7.09	70.01	0.00	12.48	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2042	25.58	109.49	11.15	24.88	7.09	70.11	0.00	12.48	0.00	0.00	0.00	0.00	0.00	0.00	5.07
2043	25.58	109.49	11.15	24.88	7.09	70.11	0.00	12.48	0.00	0.00	0.00	0.00	0.00	0.00	5.07

Table A.2-2: CP8 Subcatchment Areas (ha)

	CP8														
Catchment	CP8-Natural	CP8-Water	CP8-WRSF5	CP8-WRSF5	CP8-WRSF6	B5-Natural	B5-Pond	B5-SouthBerm-Natural	B5-SouthBerm-WRSF5	B4-WRSF	B6-Natural	B6-Water	B5-BetweenBerms	TIR-01	TIR-01-Disturbed
Surface Type	Background	Open Water	WRSF5	Disturbed	WRSF6	Background	Open Water	Background	WRSF5	Disturbed	Background	Open Water/Background	Background	Pit	Disturbed
2020	122.93	86.34	0.00	0.00	0.00	192.70	56.74	0.00	0.00	0.00	21.47	11.80	0.00	26.64	3.21
2021	122.93	86.34	0.00	0.00	0.00	192.70	56.74	0.00	0.00	0.00	21.47	11.80	0.00	26.64	3.21
2022	122.93	86.34	0.00	0.00	0.00	192.70	56.74	0.00	0.00	0.00	21.47	11.80	0.00	26.64	3.21
2023	122.93	86.34	0.00	0.00	0.00	192.70	56.74	0.00	0.00	0.00	21.47	11.80	0.00	26.64	3.21
2024	122.93	86.34	2.47	9.01	0.00	52.92	26.36	21.05	5.10	18.57	21.47	11.80	47.09	26.64	3.21
2025	122.93	86.34	4.34	7.14	0.00	52.92	26.36	21.05	8.95	14.72	21.47	11.80	47.09	26.64	3.21
2026	122.93	86.34	11.48	0.00	0.00	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2027	122.93	86.34	11.48	0.00	0.00	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2028	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2029	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2030	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2031	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2032	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2033	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2034	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2035	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2036	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2037	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2038	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2039	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2040	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2041	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2042	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21
2043	120.71	86.34	11.48	0.00	1.42	52.92	26.36	21.05	23.67	0.00	21.47	11.80	8.21	26.64	3.21

Table A.2-1: CP1 Subcatchment Areas (ha)

	CP1															
Catchment	CP5-Facilities	CP5-WRSF1	CP6-Natural	CP6-WRSF3	PUMP1	PUMP1-Natural	Pump1-WRSF5	Pump1-WRSF5	Pump1-WRSF6	PUMP2	PUMP2-Natural	PUMP3	PUMP3-Natural	PUMP3-WRSF6	PUMP4	PUMP4-Natural
Surface Type	Facilities/Laydown	WRSF1	Background	WRSF3	Open Pit - Pump	Background	WRSF5	Disturbed	WRSF6	Open Pit - Pump	Background	Open Pit - Pump	Background	WRSF6	Open Pit - Pump	Background
2020	41.23	4.03	16.74	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2021	41.23	4.03	16.74	26.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	41.23	4.03	16.74	26.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	41.23	4.03	16.74	26.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	41.23	4.03	16.74	26.29	0.00	0.00	2.92	10.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	41.23	4.03	17.30	26.29	0.00	0.00	5.12	8.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	41.23	4.03	17.30	26.29	0.00	0.00	13.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	41.23	4.03	17.30	26.29	0.00	0.00	13.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	41.23	4.03	17.30	26.29	0.00	0.00	13.54	0.00	5.94	0.00	0.00	7.50	5.57	5.60	0.00	0.00
2029	41.23	4.03	17.30	26.29	8.35	30.20	13.54	0.00	5.94	0.00	0.00	7.50	5.57	5.60	0.00	0.00
2030	41.23	4.03	17.30	26.29	8.35	30.20	13.54	0.00	5.94	0.00	0.00	7.50	5.57	5.60	0.00	0.00
2031	41.23	4.03	17.30	26.29	8.35	30.20	13.54	0.00	5.94	0.00	0.00	7.50	5.57	5.60	0.00	0.00
2032	41.23	4.03	17.30	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	0.00	0.00
2033	41.23	4.03	17.30	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	0.00	0.00
2034	41.23	4.03	17.30	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	0.00	0.00
2035	41.23	4.03	17.30	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	8.22	0.00
2036	41.23	4.03	17.30	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	8.22	3.54
2037	41.23	4.03	17.30	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	8.22	3.54
2038	41.23	4.03	17.30	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	8.22	3.54
2039	41.23	4.03	17.30	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	8.22	3.54
2040	41.23	4.03	12.75	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	8.22	3.54
2041	41.23	4.03	12.75	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	8.22	3.54
2042	41.23	4.03	12.75	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	8.22	3.54
2043	41.23	4.03	12.75	26.29	8.35	30.20	13.54	0.00	5.94	5.97	4.34	7.50	5.57	5.60	8.22	3.54

Table A.2-2: CP8 Subcatchment Areas (ha)

	CP8															
Catchment	TIR-01-WRSF1	US-WRSF1	TIR-02	TIR-02-Natural	TIR-03	TIR-03-Disturbed	TIR-03-WRSF1	TIR-03-WRSF1	TIR-04	TIR-04-Natural	WES03-Orepad	WES-01-Pit	WES-02-Natural	WES-02-Natural	WES-02-Pit	WES-03-Natural
Surface Type	WRSF1	Background	Tiriganiaq Open Pit	Background	Tiriganiaq Open Pit	Disturbed	WRSF1	Disturbed	Pit	Background	OrePad	Pit	Background	Background	Open Pit	Background
2020	0.00	0.00	8.31	7.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2021	0.00	0.00	8.31	7.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	0.00	0.00	8.31	7.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	0.00	0.00	8.31	7.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	6.85	17.16	0.00	0.00	0.00	0.00
2026	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	6.85	17.16	0.00	0.00	0.00	0.00
2027	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	6.85	17.16	0.00	0.00	0.00	0.00
2028	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	6.85	17.16	0.00	0.00	0.00	0.00
2029	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	6.85	17.16	0.00	0.00	0.00	0.00
2030	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	6.85	17.16	0.00	0.00	0.00	0.00
2031	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	6.85	17.16	0.00	0.00	0.00	0.00
2032	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	6.85	17.16	0.00	0.00	0.00	0.00
2033	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	6.85	17.16	0.00	0.00	0.00	0.00
2034	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	6.85	17.16	0.00	0.00	0.00	0.00
2035	5.76	5.41	8.31	7.27	0.00	9.34	1.56	0.00	0.00	0.00	6.85	17.16	0.00	0.00	0.00	0.00
2036	5.76	5.41	8.31	7.27	5.57	3.77	1.56	0.00	0.00	0.00	6.85	17.16	16.79	12.71	34.13	0.00
2037	5.76	5.41	0.00	0.00	5.57	3.77	1.56	0.00	0.00	0.00	6.85	17.16	16.79	12.71	34.13	0.00
2038	5.76	5.41	0.00	0.00	5.57	3.77	1.56	0.00	0.00	0.00	6.85	17.16	16.79	12.71	34.13	0.00
2039	5.76	5.41	0.00	0.00	5.57	3.77	1.56	0.00	0.00	0.00	6.85	17.16	16.79	12.71	34.13	0.00
2040	5.76	5.41	0.00	0.00	5.57	3.77	1.56	0.00	24.48	7.02	6.85	17.16	16.79	12.71	34.13	4.01
2041	5.76	5.41	0.00	0.00	5.57	3.77	1.56	0.00	24.48	7.02	6.85	17.16	16.79	12.71	34.13	4.01
2042	5.76	5.41	0.00	0.00	5.57	3.77	1.56	0.00	24.48	7.02	6.85	17.16	16.79	12.71	34.13	4.01
2043	5.76	5.41	0.00	0.00	5.57	3.77	1.56	0.00	24.48	7.02	6.85	17.16	16.79	12.71	34.13	4.01

Table A.2-1: CP1 Subcatchment Areas (ha)

	CP1														
Catchment	PUMP4-Orepad	WN01-Natural	WN-01	A6 - Natural	A6-Water	A8-West-Natural	A8-West-NorthBerm-Natural	A8-W-SBerm-Natural	A8-W-SBerm-Water	A8-West-Water	A8-E-Water	A8-E-Natural	A8-TempWR	CH22-WRSF5	CH22-WRSF5
Surface Type	OrePad	Background	Open Pit - Normeg	Background	Water/Backgrou	Background	Background	Background	Background	Open Water	Open Water	Background	WRSF1	WRSF5	Disturbed
2020	0.00	0.00	0.00	238.79	55.36	16.52	84.40	78.13	18.64	54.92	16.98	41.89	5.19	0.00	0.00
2021	0.00	0.00	0.00	238.79	55.36	16.52	84.40	78.13	18.64	54.92	16.98	41.89	5.19	0.00	0.00
2022	0.00	0.00	0.00	238.79	55.36	16.52	84.40	78.13	18.64	54.92	16.98	41.89	5.19	0.00	0.00
2023	0.00	0.00	0.00	238.79	55.36	16.52	84.40	78.13	18.64	54.92	16.98	41.89	5.19	0.00	0.00
2024	0.00	0.00	0.00	238.79	55.36	16.52	84.40	78.13	18.64	54.92	16.98	41.89	5.19	2.50	9.12
2025	0.00	0.00	0.00	238.79	55.36	16.52	73.19	78.13	18.64	54.92	16.98	37.81	0.00	4.39	7.23
2026	0.00	22.51	23.25	238.79	55.36	16.52	73.19	78.13	18.64	54.92	16.98	37.81	0.00	11.62	0.00
2027	0.00	22.51	23.25	238.79	55.36	16.52	73.19	78.13	18.64	54.92	16.98	37.81	0.00	11.62	0.00
2028	0.00	22.51	23.25	238.79	55.36	16.52	73.19	65.06	18.64	54.92	16.98	37.81	0.00	11.62	0.00
2029	1.19	22.51	23.25	223.53	49.86	16.52	73.19	23.44	18.64	54.92	16.98	37.81	0.00	11.62	0.00
2030	1.19	22.51	23.25	214.26	49.86	16.52	73.19	23.44	18.64	54.92	16.98	37.81	0.00	11.62	0.00
2031	1.19	22.51	23.25	214.26	49.86	16.52	73.19	23.44	18.64	54.92	16.98	37.81	0.00	11.62	0.00
2032	1.19	22.51	23.25	214.26	49.86	16.52	73.19	12.89	18.64	54.92	16.98	37.81	0.00	11.62	0.00
2033	1.19	22.51	23.25	214.26	49.86	16.52	73.19	12.89	18.64	54.92	16.98	37.81	0.00	11.62	0.00
2034	1.19	22.51	23.25	214.26	49.86	16.52	73.19	12.89	18.64	54.92	16.98	37.81	0.00	11.62	0.00
2035	1.19	22.51	23.25	214.26	49.86	16.52	73.19	12.89	18.64	54.92	16.98	37.81	0.00	11.62	0.00
2036	1.19	22.51	23.25	214.26	49.86	16.52	50.95	9.54	10.24	30.69	16.98	37.81	0.00	11.62	0.00
2037	1.19	22.51	23.25	214.26	49.86	16.52	50.95	9.54	10.24	30.69	16.98	37.81	0.00	11.62	0.00
2038	1.19	22.51	23.25	214.26	49.86	16.52	50.95	9.54	10.24	30.69	16.98	37.81	0.00	11.62	0.00
2039	1.19	22.51	23.25	214.26	49.86	16.52	50.95	9.54	10.24	30.69	16.98	37.81	0.00	11.62	0.00
2040	1.19	22.51	23.25	214.26	49.86	16.52	31.65	9.54	10.24	30.69	16.98	37.81	0.00	11.62	0.00
2041	1.19	22.51	23.25	214.26	49.86	16.52	31.65	9.54	10.24	30.69	16.98	37.81	0.00	11.62	0.00
2042	1.19	22.51	23.25	214.26	49.86	16.52	31.65	9.54	10.24	30.69	16.98	37.81	0.00	11.62	0.00
2043	1.19	22.51	23.25	214.26	49.86	16.52	31.65	9.54	10.24	30.69	16.98	37.81	0.00	11.62	0.00

Table A.2-2: CP8 Subcatchment Areas (ha)

	CP8					
Catchment	WES-03-Pit	WES-04-Natural	WES-04-Natural	WES-04-Pit	WES-05-Pit	WES-05-Natural
Surface Type	Wesmeg Open Pit	Background	Background	Pit	Pit	Background
2020	0.00	0.00	0.00	0.00	0.00	0.00
2021	0.00	0.00	0.00	0.00	0.00	0.00
2022	0.00	0.00	0.00	0.00	0.00	0.00
2023	0.00	0.00	0.00	0.00	0.00	0.00
2024	0.00	0.05	0.15	4.17	0.00	0.00
2025	0.00	0.05	0.15	4.17	0.00	0.00
2026	0.00	0.05	0.15	4.17	0.00	0.00
2027	0.00	0.05	0.15	4.17	0.00	0.00
2028	0.00	0.05	0.15	4.17	0.00	0.00
2029	0.00	0.05	0.15	4.17	0.00	0.00
2030	0.00	0.05	0.15	4.17	0.00	0.00
2031	0.00	0.05	0.15	4.17	0.00	0.00
2032	0.00	0.05	0.15	4.17	0.00	0.00
2033	0.00	0.05	0.15	4.17	0.00	0.00
2034	0.00	0.05	0.15	4.17	0.00	0.00
2035	0.00	0.05	0.15	4.17	0.00	0.00
2036	0.00	0.05	0.15	4.17	0.00	0.00
2037	15.26	0.05	0.15	4.17	0.00	0.00
2038	15.26	0.05	0.15	4.17	0.00	0.00
2039	15.26	0.05	0.15	4.17	0.00	0.00
2040	15.26	0.05	0.15	4.17	14.54	20.52
2041	15.26	0.05	0.15	4.17	14.54	20.52
2042	15.26	0.05	0.15	4.17	14.54	20.52
2043	15.26	0.05	0.15	4.17	14.54	20.52

Table A.2-3: SP6 Subcatchment Areas (ha)

	SP6				
Catchment	SP6-Natural	SP6-Water	SP6-TSF	SP6-WRSF1	SP6-WRSF1
Surface Type	Background	Open Water	TSF	WRSF1 with Salt Rock	Disturbed
2020	118.62	57.88	0.00	0.00	0.00
2021	118.62	57.88	0.00	0.00	0.00
2022	118.62	57.88	0.00	0.00	0.00
2023	118.62	57.88	0.00	0.00	0.00
2024	118.62	57.88	0.00	8.20	23.17
2025	118.62	57.88	0.00	8.20	23.17
2026	96.86	57.88	40.46	8.20	23.17
2027	96.86	57.88	40.46	20.70	10.67
2028	96.86	57.88	40.46	17.80	13.57
2029	96.86	57.88	40.46	31.30	0.00
2030	96.86	57.88	40.46	31.30	0.00
2031	96.86	57.88	40.46	31.30	0.00
2032	96.86	57.88	40.46	31.30	0.00
2033	78.79	57.88	57.19	31.30	0.00
2034	78.79	57.88	57.19	31.30	0.00
2035	53.79	57.88	82.19	31.30	0.00
2036	53.79	57.88	82.19	31.30	0.00
2037	53.79	57.88	82.19	31.30	0.00
2038	53.79	57.88	82.19	31.30	0.00
2039	53.79	57.88	82.19	31.30	0.00
2040	53.79	57.88	82.19	31.30	0.00
2041	53.79	57.88	82.19	31.30	0.00
2042	53.79	57.88	82.19	31.30	0.00
2043	53.79	57.88	82.19	31.30	0.00

Table A.2-4: SumpF2 Subcatchment Areas (ha)

	SUMPF2				
Catchment	SUMPF2-WRSF7	SUMPF2-WRSF7	SUMPF2-Orepad	SUMPF2-Natural	SUMPF2-SALWRSF2
Surface Type	WRSF7	Disturbed	Orepad	Background	Salt Rock
2020	0.00	0.00	0.00	0.00	0.00
2021	0.00	0.00	0.00	0.00	0.00
2022	0.00	0.00	0.00	0.00	0.00
2023	0.00	0.00	0.00	0.00	0.00
2024	0.00	0.00	0.00	0.00	0.00
2025	0.00	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	0.00	0.00
2027	0.00	0.00	0.00	0.00	0.00
2028	0.00	0.00	0.00	0.00	0.00
2029	0.00	0.00	0.00	0.00	0.00
2030	5.23	3.17	2.30	13.00	0.00
2031	8.40	0.00	2.30	13.00	0.00
2032	8.40	0.00	2.30	13.00	0.00
2033	8.40	0.00	2.30	7.76	5.10
2034	8.40	0.00	2.30	7.76	5.10
2035	8.40	0.00	2.30	7.76	5.10
2036	8.40	0.00	2.30	7.76	5.10
2037	8.40	0.00	2.30	7.76	5.10
2038	8.40	0.00	2.30	7.76	5.10
2039	8.40	0.00	2.30	7.76	5.10
2040	8.40	0.00	2.30	7.76	5.10
2041	8.40	0.00	2.30	7.76	5.10
2042	8.40	0.00	2.30	7.76	5.10
2043	8.40	0.00	2.30	7.76	5.10

Table A.2-5: CP7 Subcatchment Areas (ha)

	CP7																
Catchment	CP7-Natural	CP7-Water	CP7-WRSF7	CP7-WRSF7	A22	FZONE1	FZONE1-Natural	FZONE2	FZONE2-Natural	FZONE2-A19-Natural	FZONE2-USA3-Natural	FZONE3	FZONE3-Natural	SUMPF1-WRSF7	SUMPF1-Natural	SUMPF1-WRSF7
Surface Type	Facilities/Laydown	Open Water	WRSF7	Disturbed	Open Water	Fzone Open Pit	Background	Fzone Open Pit	Background	Background	Background	Fzone Open Pit	Background	WRSF7	Background	Disturbed
2020	45.84	7.07	0.00	0.00	52.81	0.00	39.49	0.00	0.00	18.11	6.06	0.00	0.00	0.00	0.00	0.00
2021	45.84	7.07	0.00	0.00	52.81	0.00	39.49	0.00	0.00	18.11	6.06	0.00	0.00	0.00	0.00	0.00
2022	45.84	7.07	0.00	0.00	52.81	0.00	39.49	0.00	0.00	18.11	6.06	0.00	0.00	0.00	0.00	0.00
2023	45.84	7.07	0.00	0.00	52.81	0.00	39.49	0.00	0.00	18.11	6.06	0.00	0.00	0.00	0.00	0.00
2024	45.84	7.07	0.00	0.00	52.81	0.00	39.49	0.00	0.00	18.11	6.06	0.00	0.00	0.00	0.00	0.00
2025	45.84	7.07	0.00	0.00	52.81	0.00	39.49	0.00	0.00	18.11	6.06	0.00	0.00	0.00	0.00	0.00
2026	45.84	7.07	0.00	0.00	52.81	0.00	39.49	0.00	0.00	18.11	6.06	0.00	0.00	0.00	0.00	0.00
2027	45.84	7.07	0.00	0.00	52.81	0.00	39.49	0.00	0.00	18.11	6.06	0.00	0.00	0.00	0.00	0.00
2028	45.84	7.07	0.00	0.00	52.81	0.00	39.49	0.00	0.00	18.11	6.06	0.00	0.00	0.00	0.00	0.00
2029	45.84	7.07	0.00	0.00	52.81	0.00	29.85	0.00	0.00	8.62	3.04	0.00	0.00	0.00	11.15	0.00
2030	20.94	7.07	10.27	6.23	52.81	15.25	14.61	0.00	0.00	8.62	3.04	0.00	0.00	15.31	0.00	9.29
2031	20.94	7.07	16.50	0.00	52.81	15.25	14.61	0.00	0.00	8.62	3.04	0.00	0.00	24.60	0.00	0.00
2032	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	8.62	3.04	0.00	0.00	24.60	0.00	0.00
2033	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	2.87	1.28	0.00	0.00	24.60	0.00	0.00
2034	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	2.87	1.28	0.00	0.00	24.60	0.00	0.00
2035	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	2.87	1.28	0.00	0.00	24.60	0.00	0.00
2036	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	2.87	1.28	11.47	7.06	24.60	0.00	0.00
2037	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	2.87	1.28	11.47	7.06	24.60	0.00	0.00
2038	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	2.87	1.28	11.47	7.06	24.60	0.00	0.00
2039	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	2.87	1.28	11.47	7.06	24.60	0.00	0.00
2040	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	2.87	1.28	11.47	7.06	24.60	0.00	0.00
2041	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	2.87	1.28	11.47	7.06	24.60	0.00	0.00
2042	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	2.87	1.28	11.47	7.06	24.60	0.00	0.00
2043	20.94	7.07	16.50	0.00	52.81	15.25	14.61	9.20	1.79	2.87	1.28	11.47	7.06	24.60	0.00	0.00

Table A.2-6: SumpP4 Subcatchment Areas (ha)

	SumpP4												
Catchment	SumpP4-SALWRSF1	SumpP4-SALWRSF1	SUMPP4-Natural	SumpP5-Natural	SUMPP1-WRSF6	SUMPP1-Natural	SUMPP1-WRSF6	SUMPP2-WRSF6	SUMPP2-WRSF6	SUMPP2-Natural	SUMPP5-Orepad	SUMPP5-WRSF6	SUMPP5-WRSF6
Surface Type	Salt Rock Pile 1 (Pump)	Disturbed	Background	Background	WRSF06	Background	Disturbed	WRSF06	Disturbed	Background	Ore Pad	WRSF06	Disturbed
2020	0.00	0.00	0.00	40.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	0.00	0.00	0.00	40.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	0.00	0.00	0.00	40.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	0.00	0.00	0.00	40.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	0.00	0.00	0.00	40.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	0.00	0.00	0.00	40.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	40.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	0.00	0.00	14.87	38.26	0.00	13.92	0.00	0.00	0.00	4.67	0.00	0.00	0.00
2028	0.00	0.00	14.87	20.66	2.10	0.00	6.02	2.10	5.47	0.00	0.00	2.10	6.60
2029	0.00	0.00	14.87	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2030	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2031	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2032	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2033	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2034	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2035	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2036	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2037	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2038	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2039	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2040	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2041	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2042	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00
2043	7.14	0.00	7.73	20.66	8.12	0.00	0.00	7.57	0.00	0.00	2.07	8.70	0.00

Table A.2-7: CP12 Subcatchment Areas (ha)

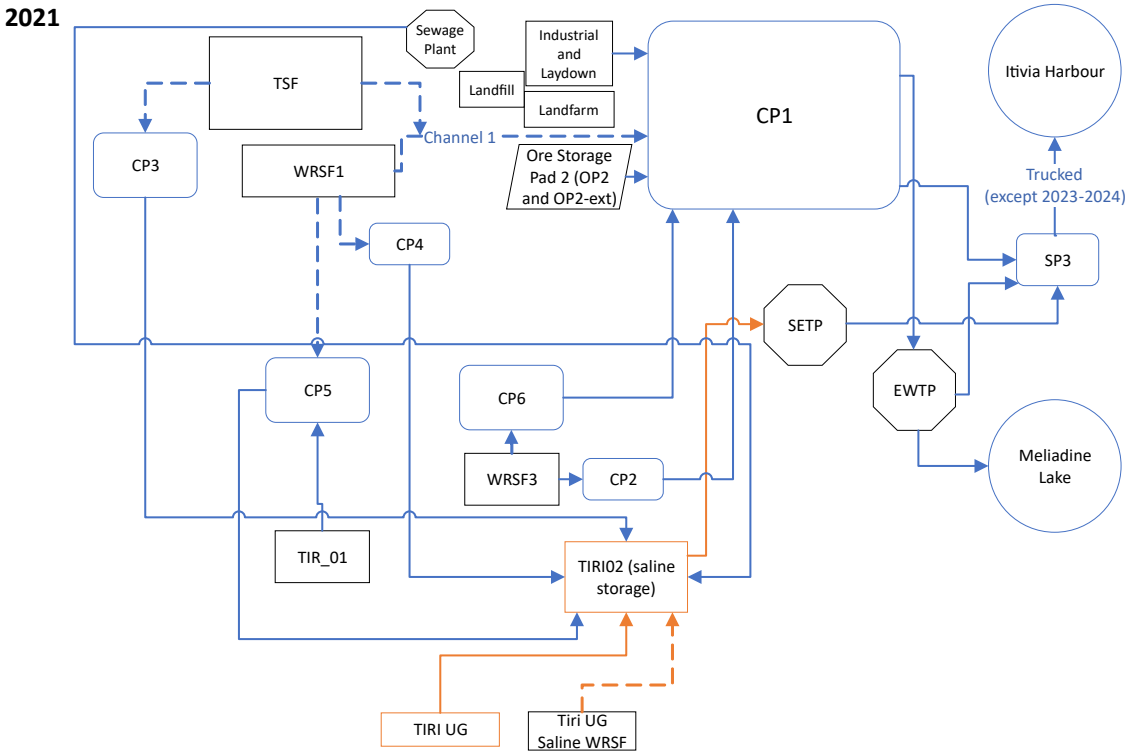
	CP12														
Catchment	CPD1-Natural	CPD1-Water	CPD1-WRSF8	CPD1-WRSF8	CPD1-WRSF8-US	CPD2-Water	CPD2-Natural	CPD2-WRSF9	CPD2-WRSF9	CPD2-WRSF9-US	DiscoveryPit	Discovery Pit - Natural	SPD - Facilities	SPD - OrePad	SPD-Salt Rock Pile
Surface Type	Background	Open Water	WRSF8	Disturbed	Background	Open Water	Background	WRSF9	Distrurbed	Background	Discovery Open Pit	Background	Facilities/Laydown	Ore Pad	Salt Rock Pile 3 (Discovery)
2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.91	1.38	2.65
2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.91	1.38	2.65
2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.91	1.38	2.65
2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.91	1.38	2.65
2029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.91	1.38	2.65
2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.91	1.38	2.65
2031	4.90	0.55	27.20	24.46	5.07	0.00	0.00	0.00	0.00	0.00	28.45	4.48	4.91	1.38	2.65
2032	4.90	0.55	51.66	0.00	5.07	0.00	0.00	0.00	0.00	0.00	28.45	4.48	4.91	1.38	2.65
2033	4.90	0.55	51.66	0.00	5.07	0.00	0.00	0.00	0.00	0.00	28.45	4.48	4.91	1.38	2.65
2034	4.90	0.55	51.66	0.00	5.07	0.00	6.51	12.90	19.96	3.10	28.45	4.48	4.91	1.38	2.65
2035	4.90	0.55	51.66	0.00	5.07	0.00	6.51	32.86	0.00	3.10	28.45	4.48	4.91	1.38	2.65
2036	4.90	0.55	51.66	0.00	5.07	0.75	6.51	32.86	0.00	3.10	28.45	4.48	4.91	1.38	2.65
2037	4.90	0.55	51.66	0.00	5.07	0.75	6.51	32.86	0.00	3.10	28.45	4.48	4.91	1.38	2.65
2038	4.90	0.55	51.66	0.00	5.07	0.75	6.51	32.86	0.00	3.10	28.45	4.48	4.91	1.38	2.65
2039	4.90	0.55	51.66	0.00	5.07	0.75	6.51	32.86	0.00	3.10	28.45	4.48	4.91	1.38	2.65
2040	4.90	0.55	51.66	0.00	5.07	0.75	6.51	32.86	0.00	3.10	28.45	4.48	4.91	1.38	2.65
2041	4.90	0.55	51.66	0.00	5.07	0.75	6.51	32.86	0.00	3.10	28.45	4.48	4.91	1.38	2.65
2042	4.90	0.55	51.66	0.00	5.07	0.75	6.51	32.86	0.00	3.10	28.45	4.48	4.91	1.38	2.65
2043	4.90	0.55	51.66	0.00	5.07	0.75	6.51	32.86	0.00	3.10	28.45	4.48	4.91	1.38	2.65

Table A.2-8: SPW Subcatchment Areas (ha)

	SPW				
Catchment	SPW-Natural	SPW-OrePad	SPW-SALWRSF4	SPW-SALWRSF4	SPW-SALWRSF4-US
Surface Type	Background	Ore Pad	Salt Rock Pile 4 (Wolf)	Disturbed	Background
2020	0.00	0.00	0.00	0.00	0.00
2021	0.00	0.00	0.00	0.00	0.00
2022	0.00	0.00	0.00	0.00	0.00
2023	0.00	0.00	0.00	0.00	0.00
2024	0.00	0.00	0.00	0.00	0.00
2025	0.00	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	0.00	0.00
2027	0.00	0.00	0.00	0.00	0.00
2028	0.00	0.00	0.00	0.00	0.00
2029	0.00	0.00	0.00	0.00	0.00
2030	0.00	0.00	0.00	0.00	0.00
2031	12.71	2.30	2.65	0.00	18.63
2032	12.71	2.30	2.65	0.00	18.63
2033	12.71	2.30	2.65	0.00	18.63
2034	12.71	2.30	2.65	0.00	18.63
2035	12.71	2.30	2.65	0.00	18.63
2036	12.71	2.30	2.65	0.00	18.63
2037	12.71	2.30	2.65	0.00	18.63
2038	12.71	2.30	2.65	0.00	18.63
2039	12.71	2.30	2.65	0.00	18.63
2040	12.71	2.30	2.65	0.00	18.63
2041	12.71	2.30	2.65	0.00	18.63
2042	12.71	2.30	2.65	0.00	18.63
2043	12.71	2.30	2.65	0.00	18.63

Appendix B: Water Management Wire Diagrams

AGNICO EAGLE



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PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - 2021

PROJECT #: A667-1

FIGURE: B.1

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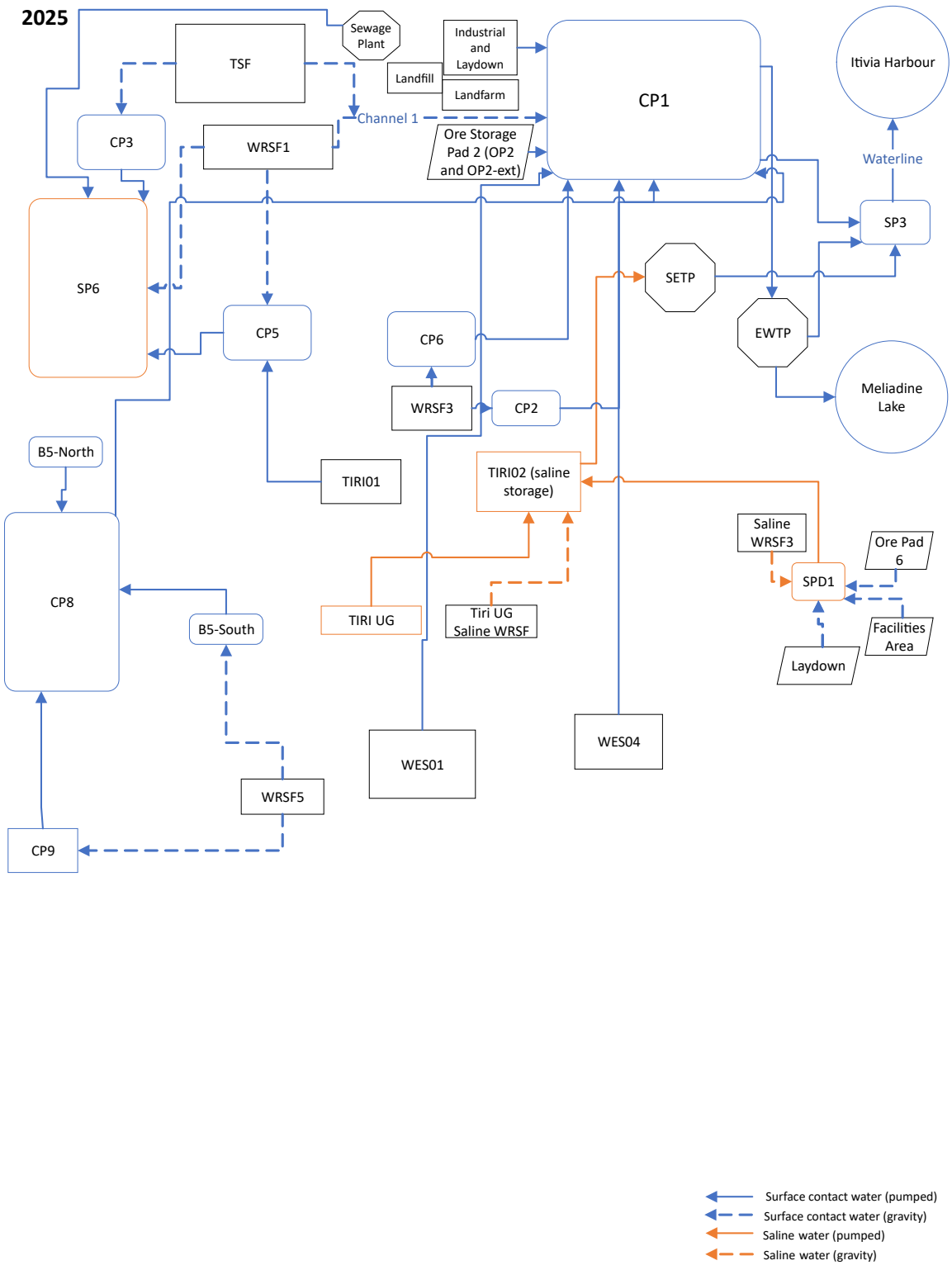

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LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - 2025

PROJECT #: A667-1

FIGURE: B.2

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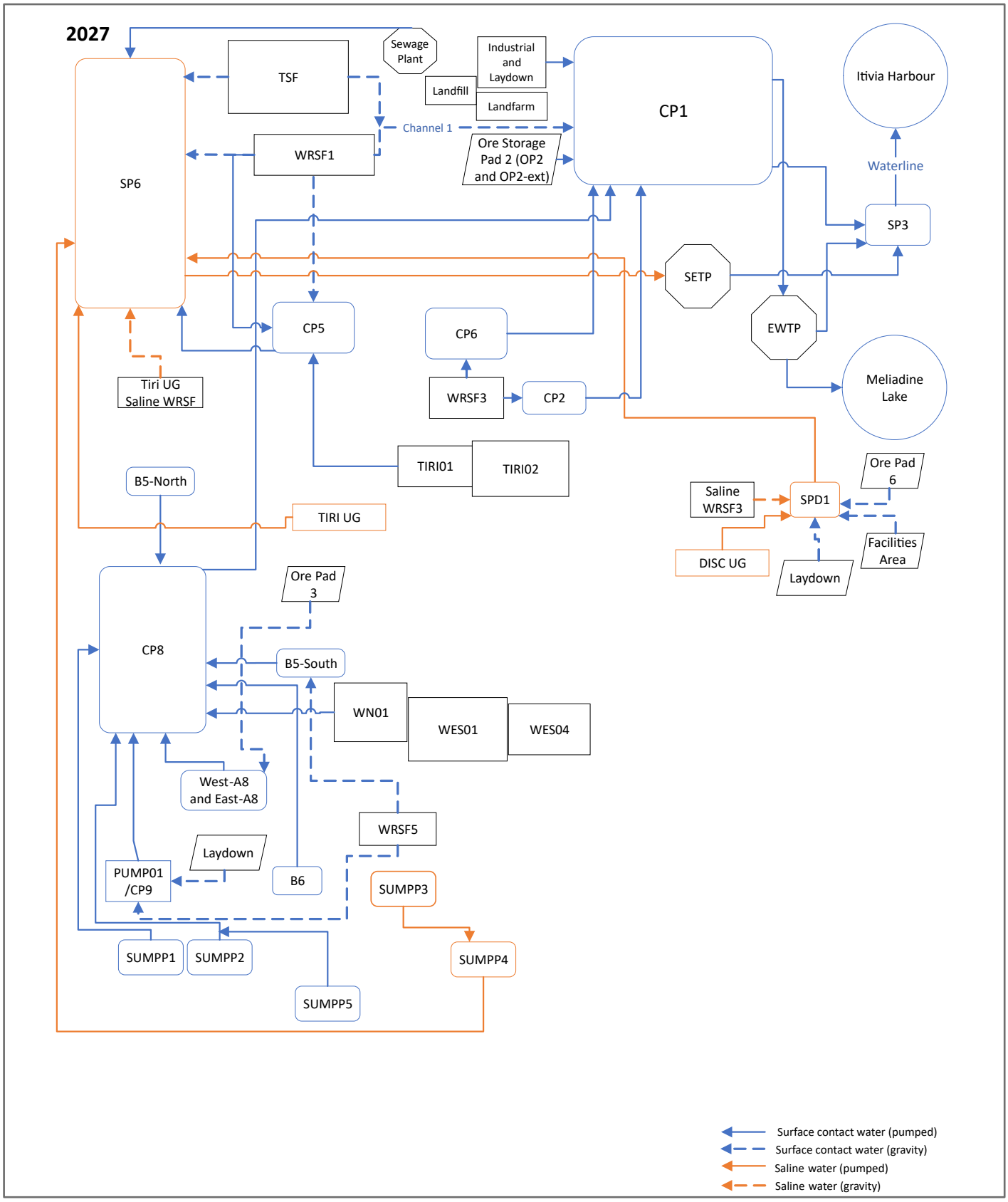

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CLIENT: AGNICO EAGLE

LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - 2027

PROJECT #: A667-1

FIGURE: B.3

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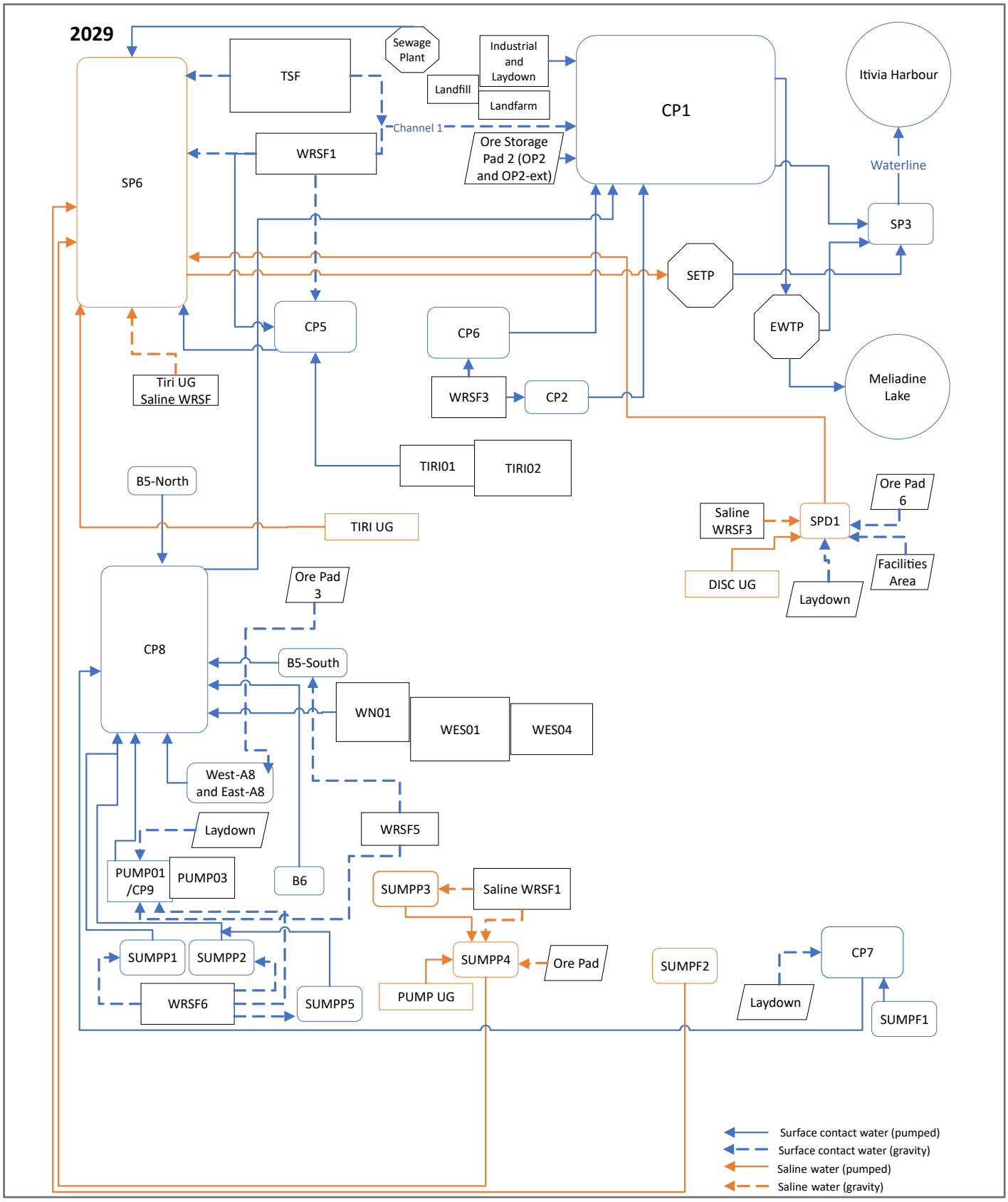

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LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - 2029

PROJECT #: A667-1

FIGURE: B.4

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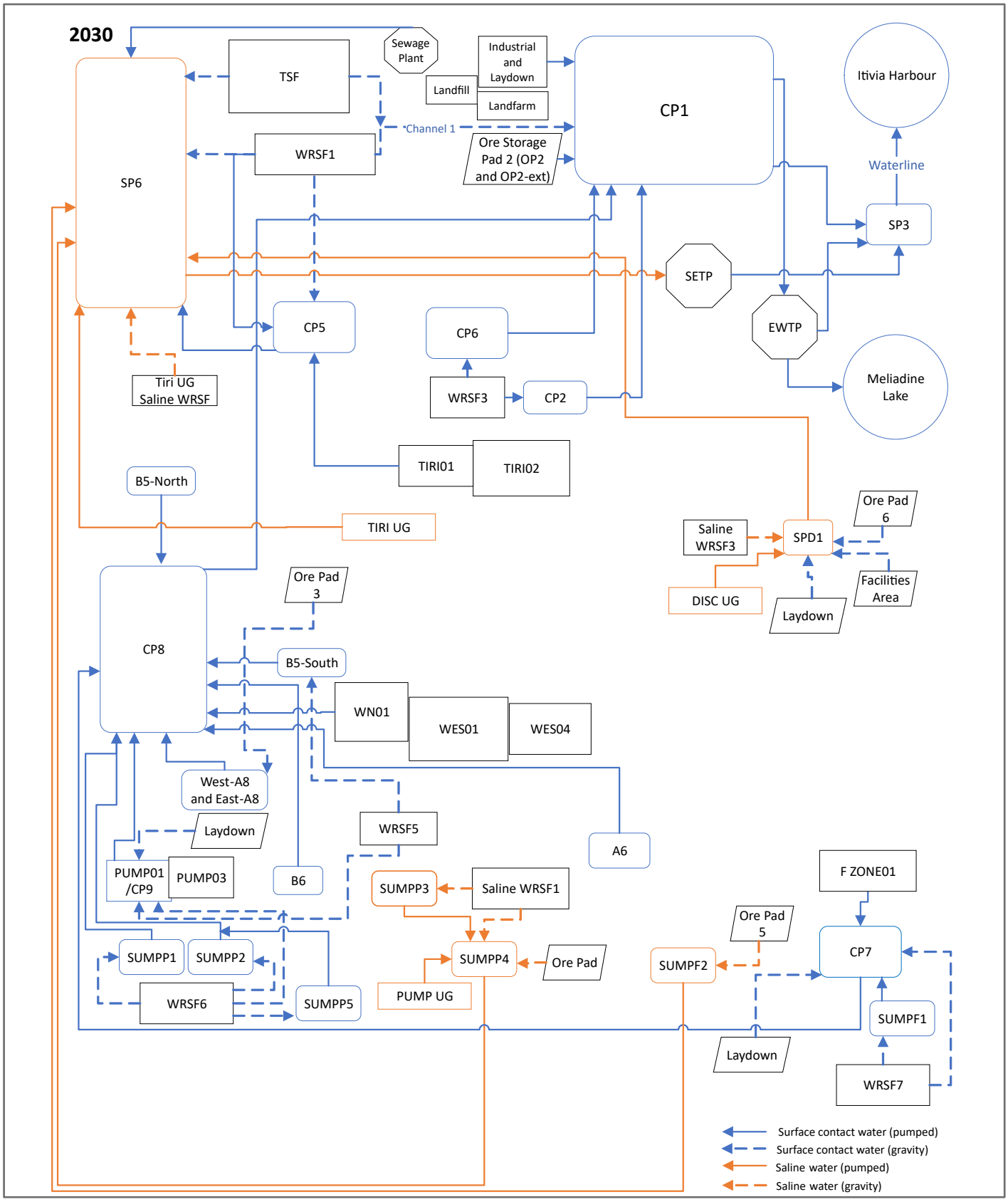

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LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - 2030

PROJECT #: A667-1

FIGURE: B.5

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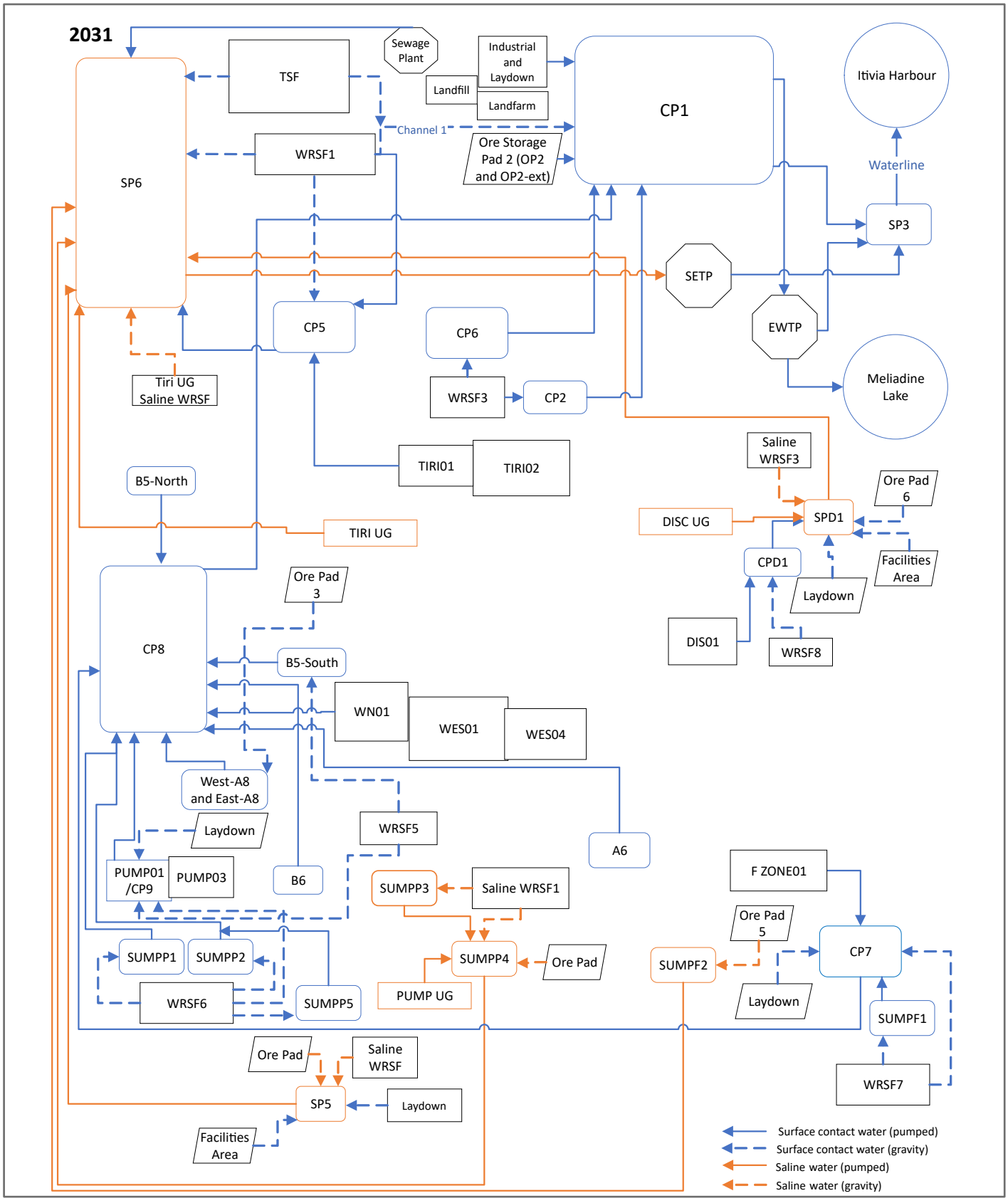

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LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - 2031

PROJECT #: A667-1

FIGURE: B.6

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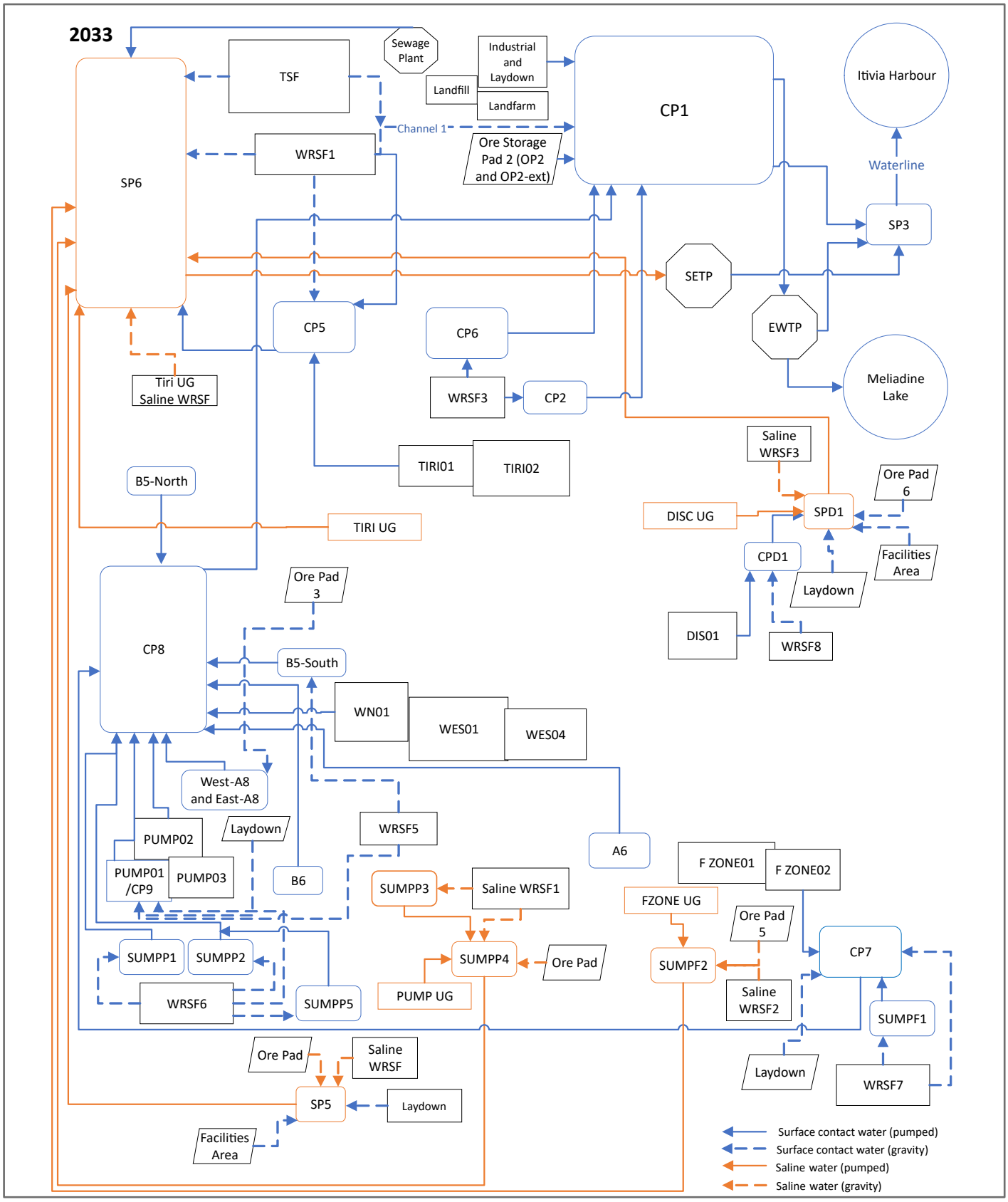

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LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - 2033

PROJECT #: A667-1

FIGURE: B.7

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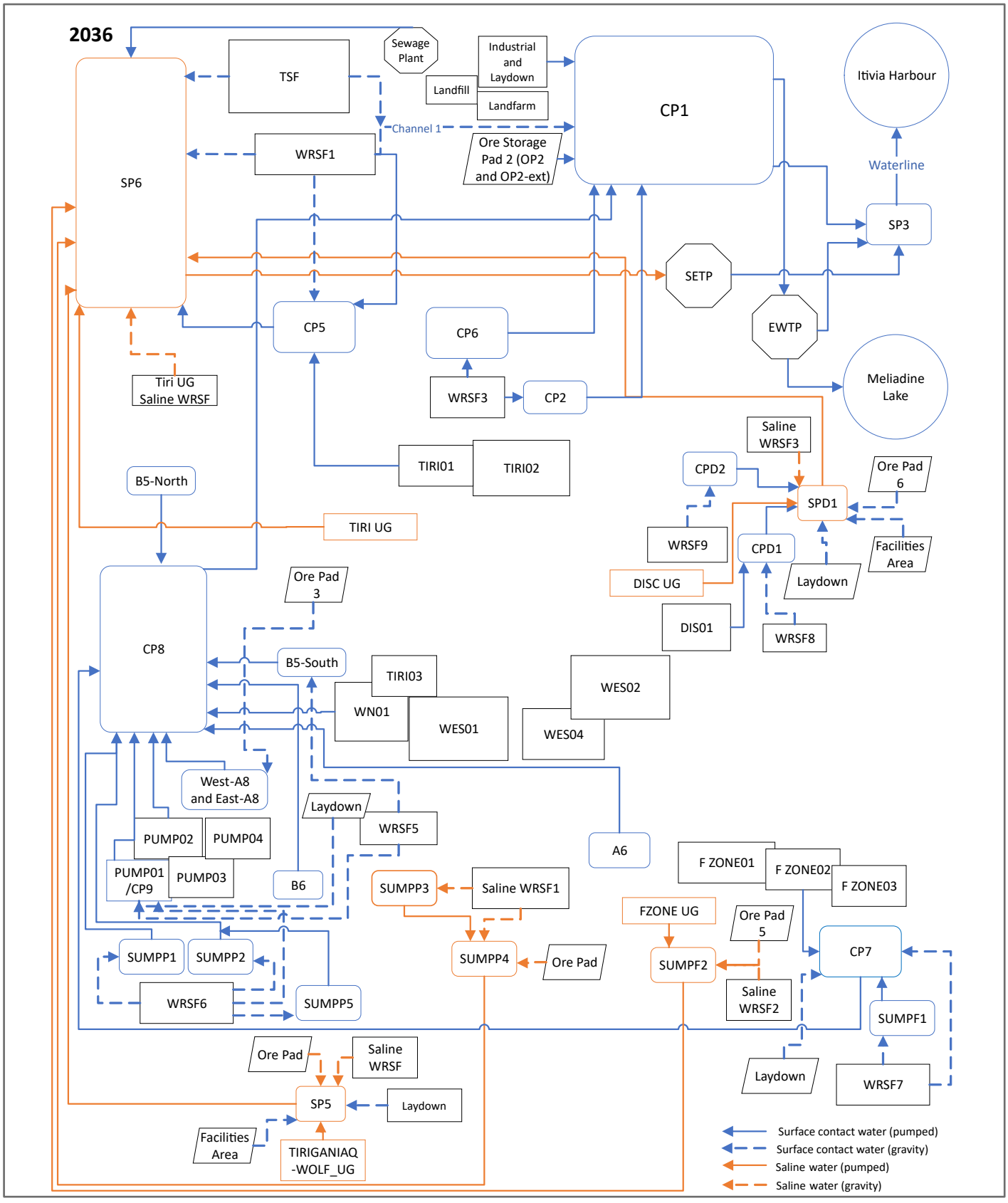

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LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - 2036

PROJECT #: A667-1

FIGURE: B.8

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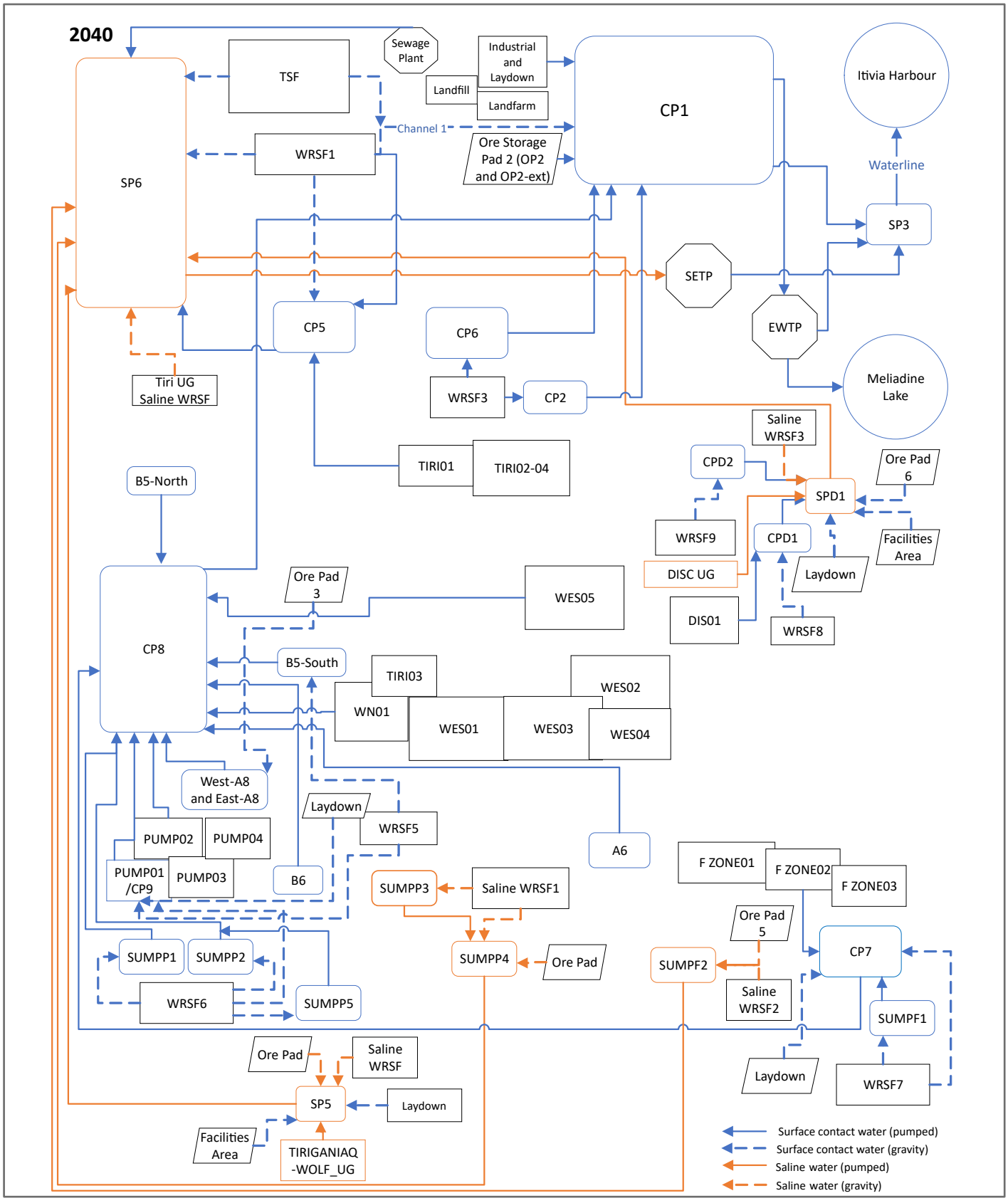

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LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - 2040

PROJECT #: A667-1

FIGURE: B.9

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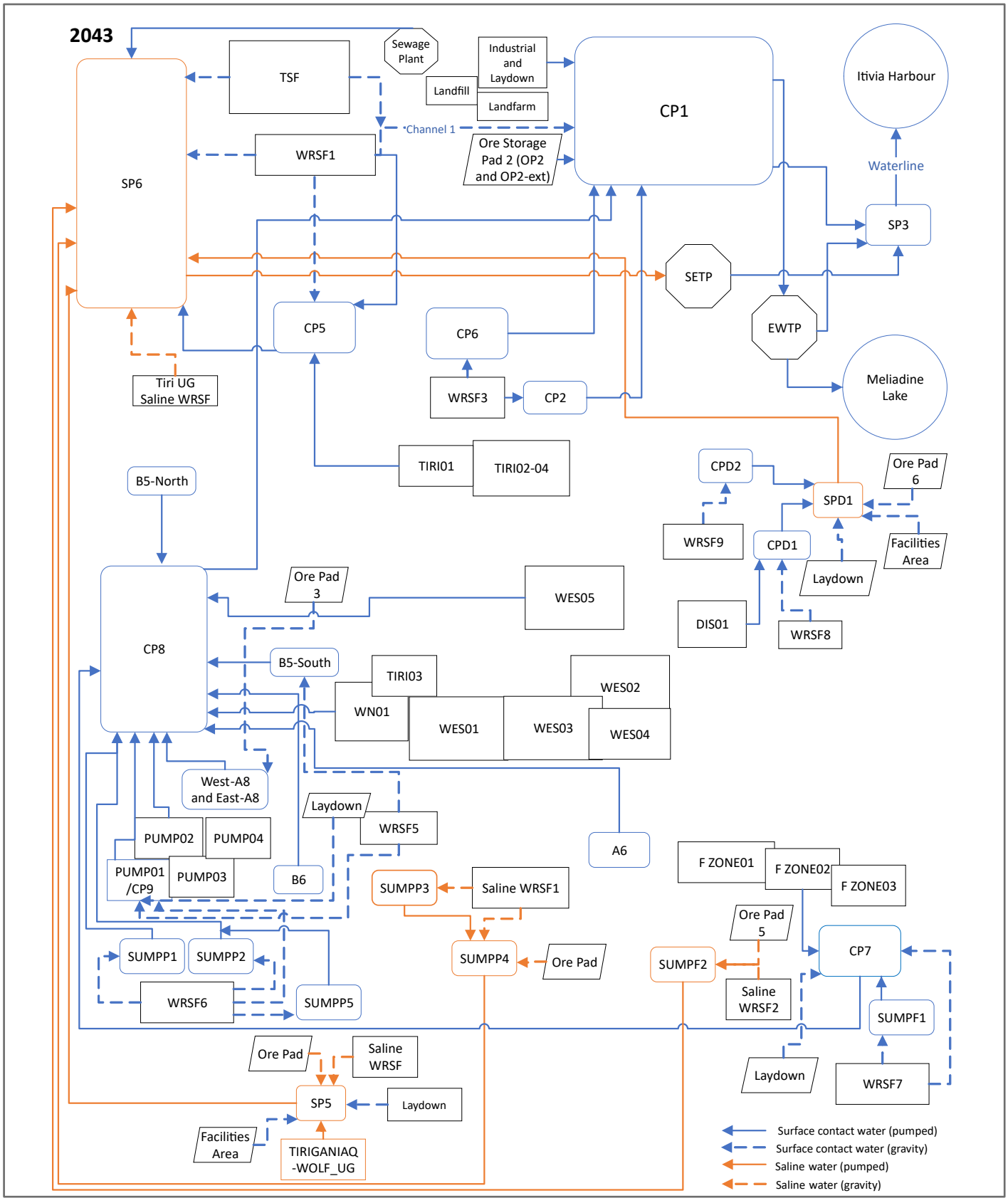

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LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - 2043

PROJECT #: A667-1

FIGURE: B.10

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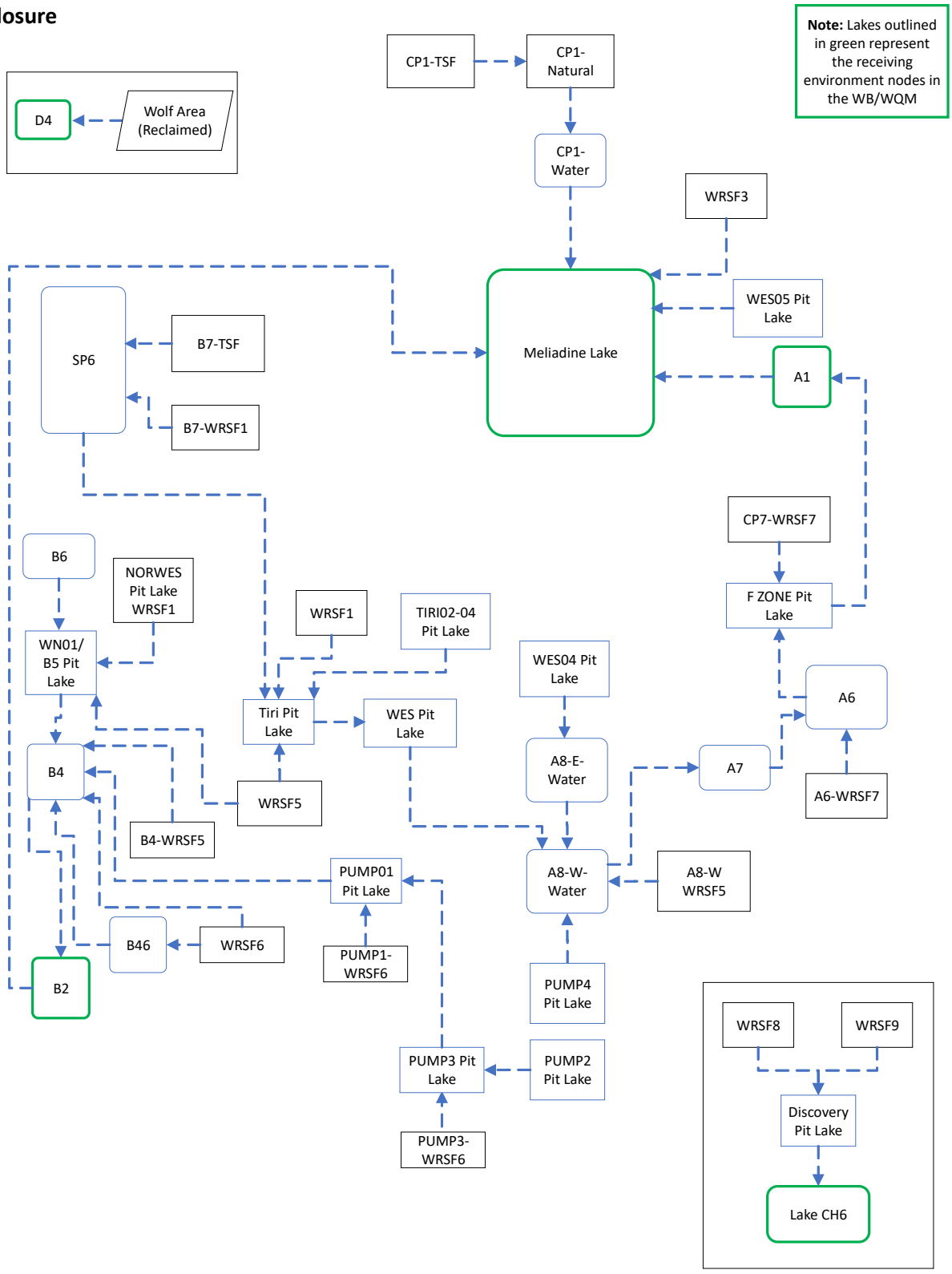
Closure



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LORAX ENVIRONMENTAL

PROJECT: **Meliadine Extension WB/WQM**

TITLE: Meliadine Extension Water Management Flow Diagram - Closure

PROJECT #: A667-1

FIGURE: B.11

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Appendix C: Source Terms and Geochemical Reports

APPENDIX C1: OKC KINETIC TESTING REPORT

APPENDIX C2: LORAX KINETIC TESTING REPORT

APPENDIX C3: SOURCE TERM UPDATE WITH WQM VALIDATION

AGNICO EAGLE

APPENDIX C1: OKC KINETIC TESTING REPORT

Saskatoon

112 - 112 Research Drive
Saskatoon, SK S7N 3R3
Canada
www.okc-sk.com

Memorandum

To:	Jenyfer Mosquera – Permitting Specialist - Water and Waste, Agnico Eagle Mines Ltd.
From:	Jared Robertson, Senior Geochemist
Cc:	Colleen Prather – Agnico Eagle Mines Ltd.; John Dockrey – Lorax Environmental Services Ltd.; Lyndsey Thorson – Okane Consultants
Our ref:	948-021-013
Date:	20/09/2022
Re:	**Meliadine ACLC Kinetic Testing Summary Memorandum**

Introduction

Okane Consultants (Okane) conducted a kinetic testing program for tailings and waste rock materials from the Meliadine Extension in Nunavut, Canada for Agnico Eagle Mines Ltd. (Agnico Eagle). Kinetic testing was performed using Okane's Advanced Customizable Leach Columns (ACLCs), which are engineered columns with automated monitoring systems that aim to approximate the simulation of field conditions in a laboratory setting while providing flexibility to control a range of variables. The program was initiated on December 1, 2020 and was completed on January 13, 2022. Objectives of the kinetic test work were to:

1) Assess the metal leaching trends and loading rates of the tailings and various waste rock materials;

2) Measure the intrinsic oxidation rates (IORs) of the tailings and waste rock materials;

3) Calculate the lag time for acid generation of the tailings and waste rock materials; and

4) Determine the salinity rinsing rates for rock containing saline connate water from underground workings.

This memorandum presents a summary of the methodology of the kinetic testing program as well as factual results for the metal leaching trends, loading rates, IORs, lag time to acid generation, and salinity rinsing rates for the waste rock columns. Results from kinetic testing were transferred to Lorax Environmental for further analysis and will be incorporated into the geochemical characterization of the Meliadine Extension.

Methods

One tailings sample and 10 waste rock samples were chosen for kinetic testing (Table 1). The tailings sample was sourced from the underground Tiriganiaq deposit and is characterized as non-potentially acid generating (NPAG). The waste rock lithologies tested consist of potentially acid generating (PAG) iron formation (IF-PAG), NPAG iron formation (IF-NPAG), PAG sedimentary rock (SED-PAG), NPAG sedimentary rock (SED-NPAG), NPAG gabbro (GAB-NPAG), and NPAG F-Zone (FZONE-NPAG). Two additional waste rock columns were filled with IF-PAG and SED-PAG with connate water from the underground mine workings used as influent. Two columns were filled with run of mine (ROM) low-grade ore from the underground Tiriganiaq deposit to determine the time at which residual salinity is rinsed from the rock under field conditions.

The ACLCs simulate unsaturated leaching conditions of mine waste materials. A representative photo of the ACLC columns is shown in Figure 1. The ACLCs were operated in two phases: Phase 1 was operated under closed conditions (no gas flow, closed to atmosphere) to determine the oxidation rates by O_2 consumption (Table 2) and Phase 2 was operated under atmospheric conditions to simulate mineral weathering under field conditions (Table 3). Weekly wetting events were performed to simulate leaching of waste rock and tailings. A second set of O_2 consumption measurements (described as Phase 1 Trial 2) was conducted at the end of the kinetic testing (Table 4). Influent water was added at a rate of 250 mL/week (equivalent to approximately 700 mm/year net percolation (NP)). Temperatures were controlled at 10 °C (the operational minimum of the ACLCs).

Table 1: Column lithologies and purposes.

Sample ID	Deposit	Lithology and ABA Class	Source	Purpose
01-TSF	Tiriganiaq	NPAG Tiriganiaq Paste Backfill	Tailings Storage Facility	Paste tailings loading rates
02-IF-PAG	Discovery	PAG Iron Formation	Underground	Determine lag time to ARD
03-SED-PAG	Discovery	PAG Sedimentary Rock	Open Pit	Determine lag time to ARD
04-GAB-NPAG	Discovery	NPAG Gabbro	Open Pit	Potential cover material
05-SED-NPAG	Discovery	NPAG Sedimentary Rock	Open Pit	Potential cover material
06-IF-NPAG	Discovery	NPAG Iron Formation	Open Pit	Potential cover material
07-IF-PAG-CW	Discovery	PAG Iron Formation	Underground	Impact of connate water on rock weathering
08-SED-PAG-CW	Discovery	PAG Sedimentary Rock	Open Pit	Impact of connate water on rock weathering
09-FZONE-NPAG	F Zone	NPAG F-Zone Rock	Open Pit	Potential cover material
10-ROM-SR1	Tiriganiaq	Low Grade Ore	Underground	Salt rinsing duration
11-ROM-SR2	Tiriganiaq	Low Grade Ore	Underground	Salt rinsing duration

Figure 1: Photograph of the ACLCs.

Table 2: Operational parameters for Phase 1 – Closed conditions

Parameter	Value
Temperature	10 °C
Gas Composition	Initially atmospheric prior to closing the column
Gas Flow Rate	0 L/min
Test Duration	4 to 6 weeks
Headspace Gas Sampling	5 samples/week for O_2 and CO_2
Influent Water Composition	• Connate water (07-IF-PAG-CW and 08-SED-PAG-CW) or sterilized deionized (DI) water (all other columns) • A pulse of bromide tracer (as KBr) was added to the influent at a concentration of 25 mg/L Br to test the homogeneity and assumption of plug flow of each column. Columns 7 and 8 had 2500 mg/L Br added
Wetting Event Frequency	Weekly
Wetting Event Volume	250 mL/week (equivalent to approximately 700 mm/year net percolation)
Weekly Leachate Sampling	• pH • Electrical conductivity (EC) • Oxidation-reduction potential (ORP) • SO_4^{2-} • Br^- (until breakthrough and return to baseline)
Monthly Leachate Sampling (in addition to weekly analytes)	• Alkalinity • Major ions • Trace metals • Nutrients (N species and phosphate) • Total cyanide (T-CN) and weak acid dissociable cyanide (WAD-CN) (01-TSF column only)
Other	Columns were sealed after the first wetting event. Water was recycled in a closed loop for the duration of Phase 1 to prevent the transfer of atmospheric gas into the column during wetting events

Table 3: Operational parameters for Phase 2 – Atmospheric conditions

Parameter	Value
Temperature	10 °C
Gas Composition	Atmospheric (21% O_2)
Gas Flow Rate	0.02 – 0.04 L/min
Test Duration	58 weeks for Column 1, 38 weeks for Columns 2 – 9, and 13 weeks for Columns 10 & 11.
Headspace Gas Sampling	Outlet gas (O_2 and CO_2) concentrations were monitored continuously by a Quantek 902D analyzer
Influent Water Composition	Connate water (07-IF-PAG-CW and 08-SED-PAG-CW) or sterilized deionized (DI) water (all other columns)
Wetting Event Frequency	Weekly
Wetting Event Volume	250 mL/week (equivalent to approximately 700 mm/year net percolation)
Weekly Leachate Sampling	• pH • Electrical conductivity (EC) • Oxidation-reduction potential (ORP) • SO_4^{2-} • Br^- (until breakthrough and return to baseline)
Monthly Leachate Sampling (in addition to weekly analytes)	• Alkalinity • Major ions • Dissolved trace metals • Nutrients (Nitrogen species and PO_4^{2-}) • Total cyanide (T-CN) and weak acid dissociable cyanide (WAD-CN) (01-TSF column only)
Other	Columns were free draining (water was not recycled)

Table 4: Timeline of kinetic testing.

Date	Columns Involved	Event
December 1, 2020	1	Column loaded
December 11, 2020	1	First wetting event
December 11, 2020	1	Phase 1 (trial 1) initiated
January 12, 2021	2 – 11	Columns loaded
January 15, 2021	1	Phase 1 (trial 1) finished; Phase 2 begins
January 15, 2021	2 – 11	First wetting event
January 15, 2021	2 – 9	Phase 1 (trial 1) initiated
February 18, 2021	2 – 9	Phase 1 (trial 1) finished; Phase 2 begins
February 25, 2021	1 – 9	Br^- tracer added to influent
October 10, 2021	1 – 9	Phase 1 (trial 2) initiated
November 1, 2021	2 – 9	Phase 1 (trial 2) finished
November 4, 2021	2 – 11	Columns deconstructed
December 23, 2021	1	Phase 1 (trial 2) finished
January 13, 2022	1	Column deconstructed

Tailings Kinetic Geochemistry

The leachate trends for key parameters and analytes are presented in this section. Complete leachate chemistry is provided in Appendix A. The leachate pH values for the tailings column (01-TSF) were circumneutral for the duration of the experiment, ranging from 6.7 to 7.5 and with a slow but gradual increase with time (Figure 2). Electrical conductivity (EC) values rapidly decreased from 98.5 mS/cm as the initial saline pore water was flushed from the material (Figure 3). The leachate EC temporarily increased between weeks 10 and 16. This increase in EC was attributed to either the presence of a low-permeability tailings mass within the column that took longer to wet-up and flush its initial constituents, or the development of a localized zone of positive pore water pressures created during pore-gas extraction during Phase 1 of testing, resulting in a delayed flushing of high EC water from near the mid-column sampling port. The EC approached a steady value around 3.0 mS/cm after week 30.

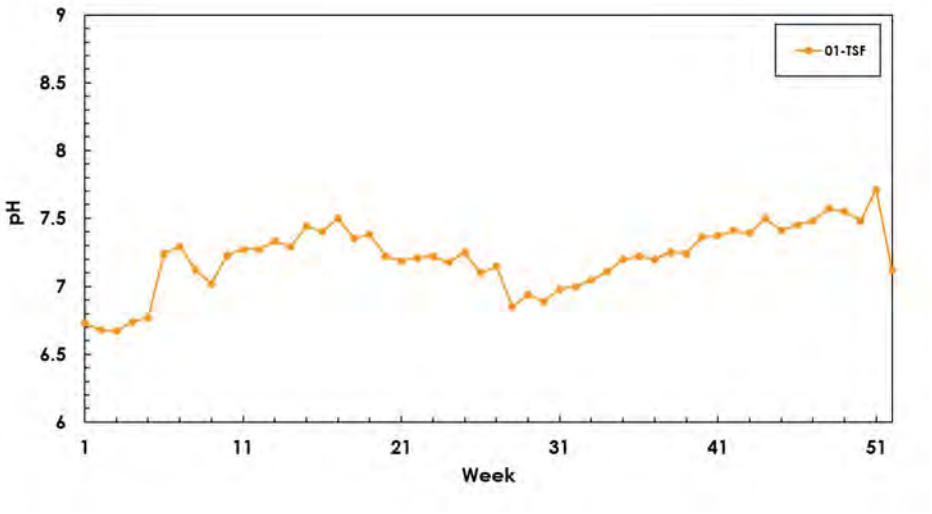

Figure 2: Column 01-TSF leachate pH values throughout the duration of kinetic testing.

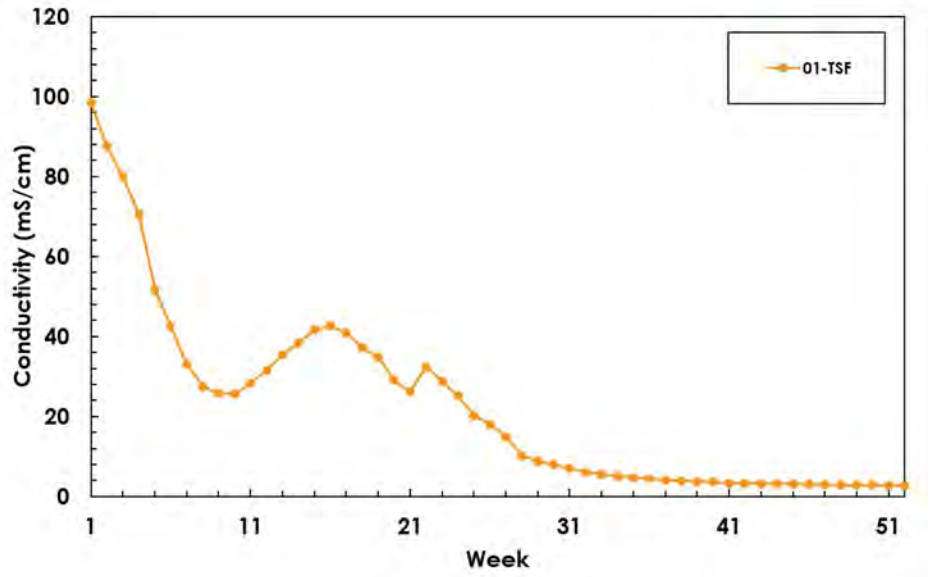

Figure 3: Column 01-TSF leachate EC values throughout the duration of kinetic testing.

Total alkalinity and SO_4 concentrations followed the EC trends and ranged between 135 and 376 mg/L (as $CaCO_3$) and 143 and 18,300 mg/L, respectively (Figure 4 and Figure 5). Two anomalously high SO_4 concentrations reported at weeks 23 and 25 are attributed to interferences in the analytical process resulting from the high salinity of the leachate. Chloride concentrations rapidly decreased from 16,900 mg/L at the beginning of testing, increased at the same time as EC, and gradually decreased to below the detection limit of 10 mg/L at week 48 as the initial salinity was completely flushed from the material (Figure 6). Arsenic concentrations rapidly decreased from 4.11 mg/L at the beginning of testing, slightly increased to 0.65 mg/L at week 24 and decreased to a final concentration of 0.10 mg/L (Figure 7).

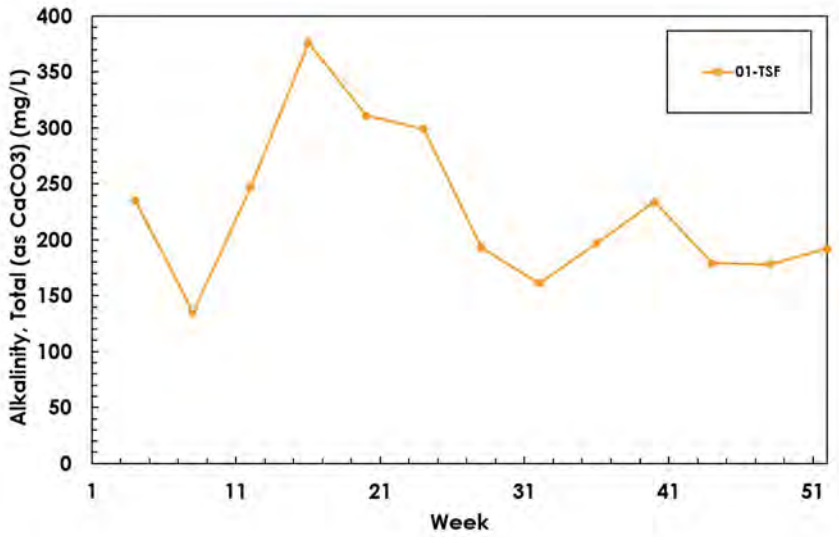

Figure 4: Column 01-TSF leachate total alkalinity concentrations throughout the duration of kinetic testing.

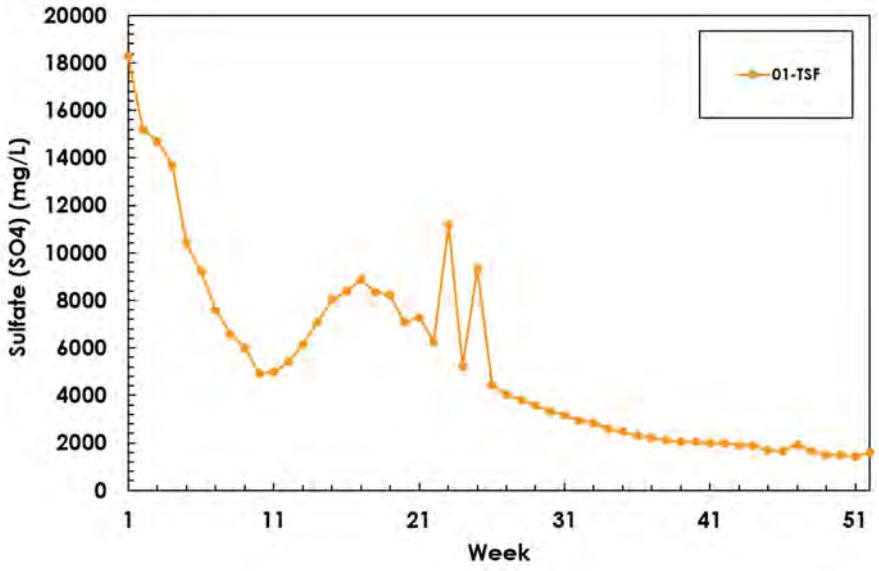

Figure 5: Column 01-TSF leachate SO4 concentrations throughout the duration of kinetic testing.

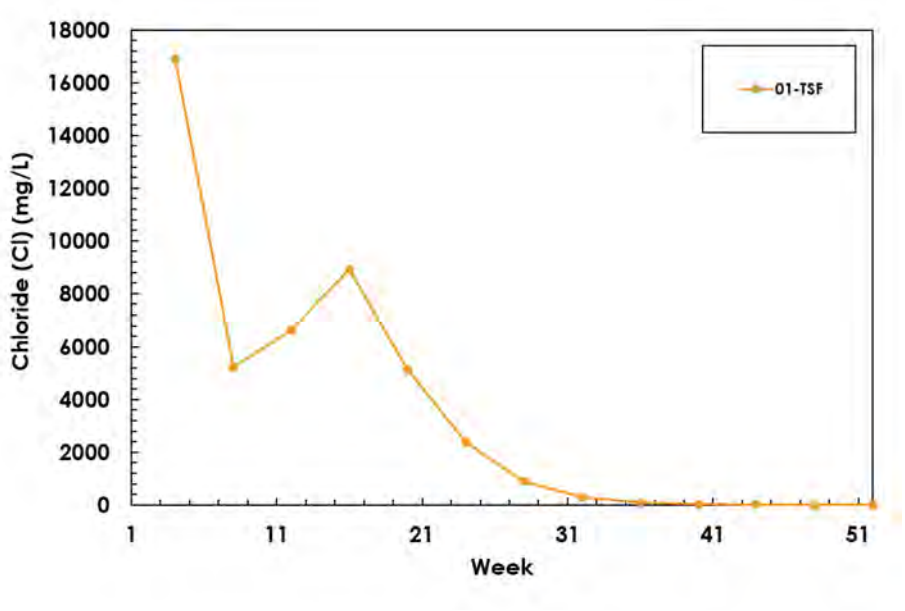

Figure 6: Column 01-TSF leachate Cl^- concentrations throughout the duration of kinetic testing.

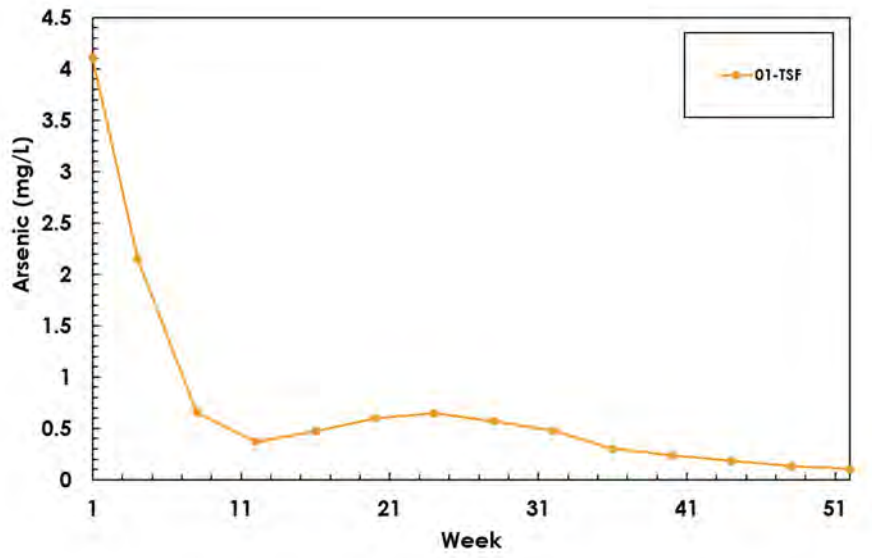

Figure 7: Column 01-TSF leachate As concentrations throughout the duration of kinetic testing

Waste Rock Kinetic Geochemistry

The leachate results for key parameters for waste rock columns 02-IF-PAG, 03-SED-PAG, 04-GAB-NPAG, 05-SED-NPAG, 06-IF-NPAG, and 09-FZONE-NPAG are presented here. Complete leachate chemistry is provided in Appendix A. Results for the salinity rinsing columns (10-ROM-SR1 and 11-ROM-SR2) are presented in a separate section, along with the columns using connate water as the influent (07-IF-PAG-

CW and 08-SED-PAG-CW), which are compared against columns with duplicate waste rock materials using DI water as influent (02-IF-PAG and 03-SED-PAG).

The leachate pH values for all waste rock columns leached by DI water was slightly alkaline (pH values between 7.4 and 8.7) throughout the duration of kinetic testing. The EC in all waste rock column leachate followed a similar trend of slightly increasing EC in the first few weeks of testing as soluble salts were flushed, followed by a gradual decrease to stable values (0.32 to 0.48 mS/cm) around week 23 (Figure 9). Column 04-GAB-NPAG had notably higher alkalinity compared to the other columns with a maximum concentration of 244 mg/L (as $CaCO_3$). Total alkalinity concentrations decreased throughout the experiment, but stabilized toward the end of testing (Figure 10).

Chloride concentrations rapidly decreased immediately after testing began; the final Cl concentrations of all waste rock columns converged to approximately 5 mg/L at week 36 (Figure 11), indicating that conservative constituents were completely flushed around this time.

Sulfate concentrations are an indicator of both flushing of soluble oxidation products and ongoing oxidation of sulfides. Sulfate concentrations were initially elevated as soluble salts were flushed. A second peak in sulfate concentrations occurred in several columns around week 30 as a result of enclosure temperature control issues during the summer months causing oxidation rates to increase. Temperatures peaked near 20 °C during weeks 24 and 27.

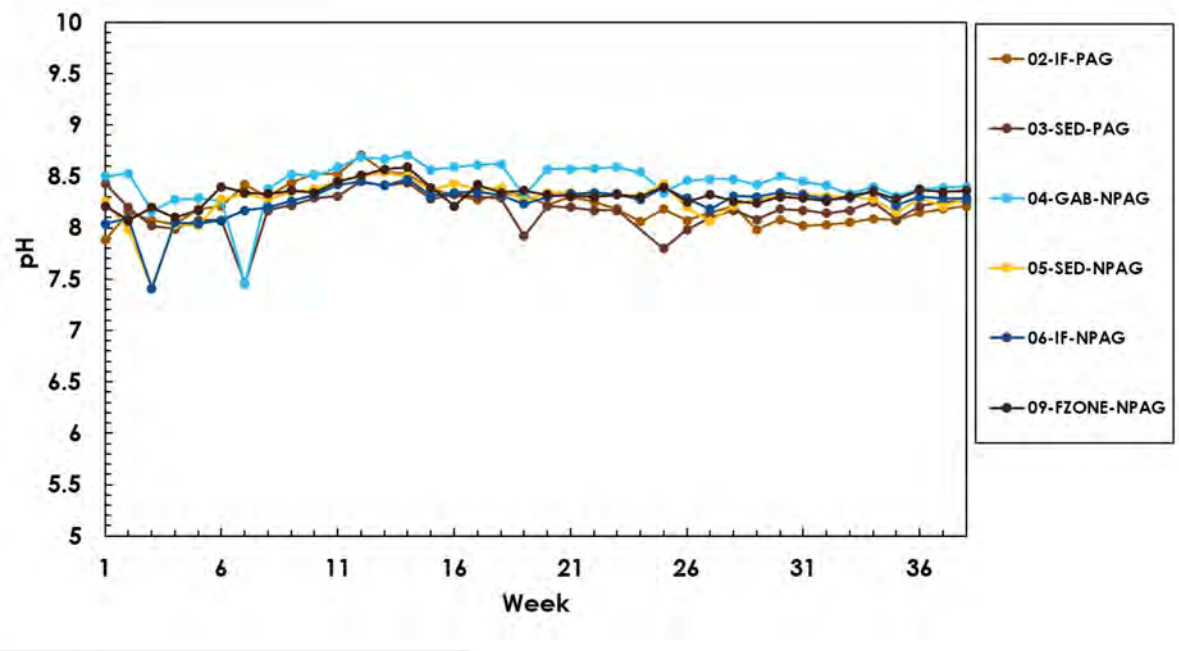

Figure 8: Leachate pH trends for waste rock Columns 02-IF-PAG, 03-SED-PAG, 04-GAB-NPAG, 05-SED-NPAG, 06-IF-NPAG, and 09-FZONE-NPAG throughout the duration of kinetic testing.

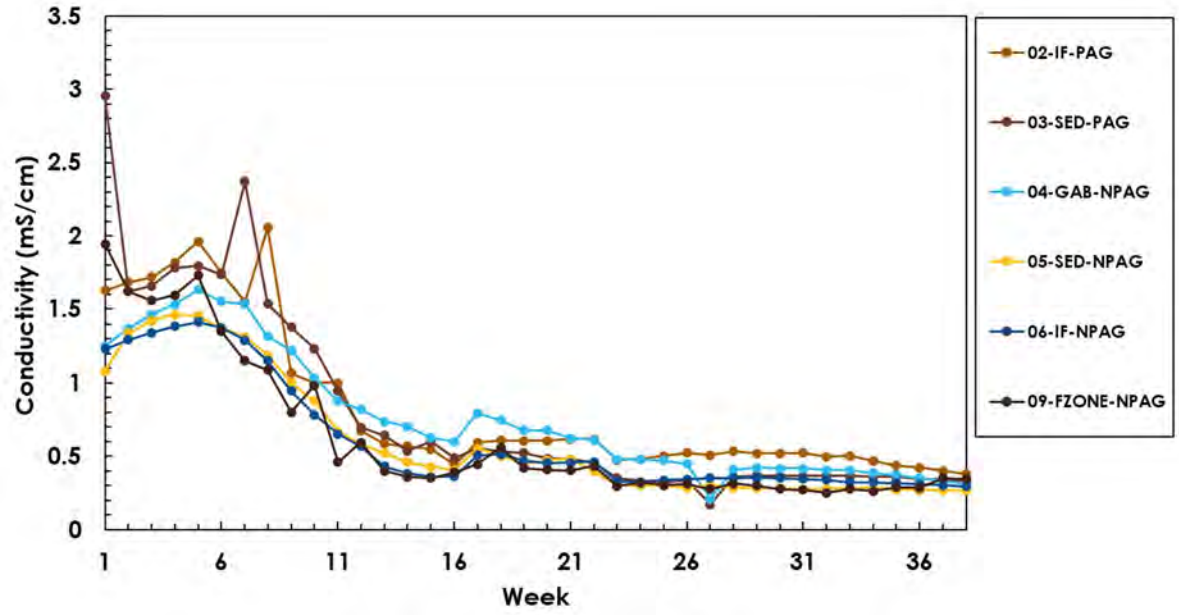

Figure 9: Leachate EC trends for waste rock Columns 02-IF-PAG, 03-SED-PAG, 04-GAB-NPAG, 05-SED-NPAG, 06-IF-NPAG, and 09-FZONE-NPAG throughout the duration of kinetic testing.

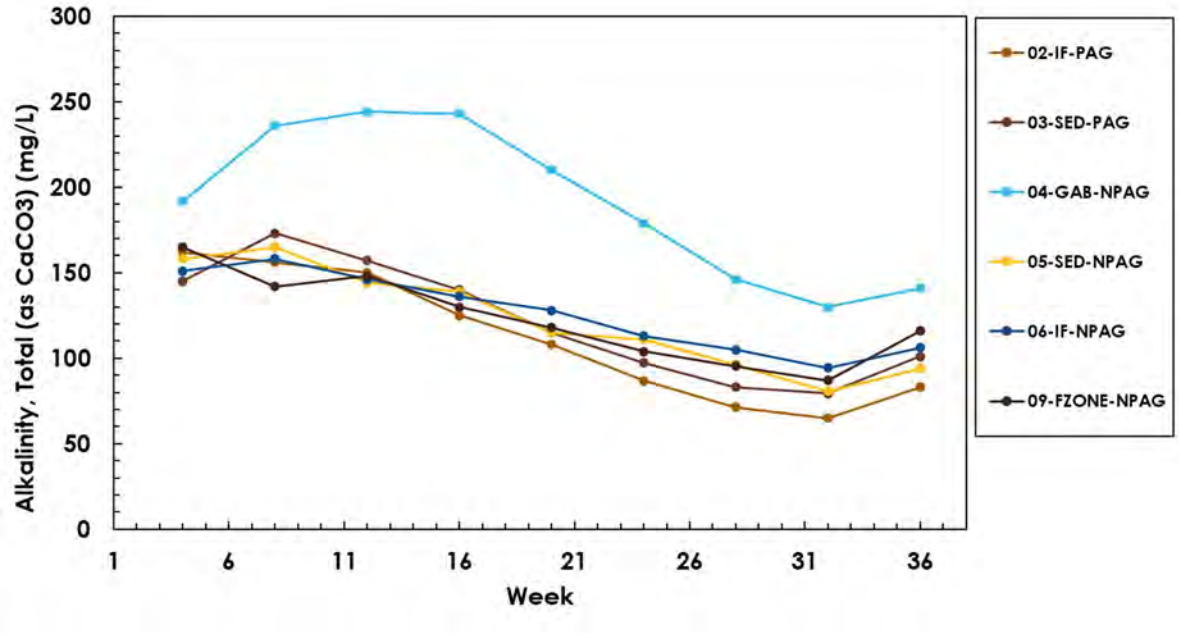

Figure 10: Leachate total alkalinity concentration trends for waste rock Columns 02-IF-PAG, 03-SED-PAG, 04-GAB-NPAG, 05-SED-NPAG, 06-IF-NPAG, and 09-FZONE-NPAG throughout the duration of kinetic testing.

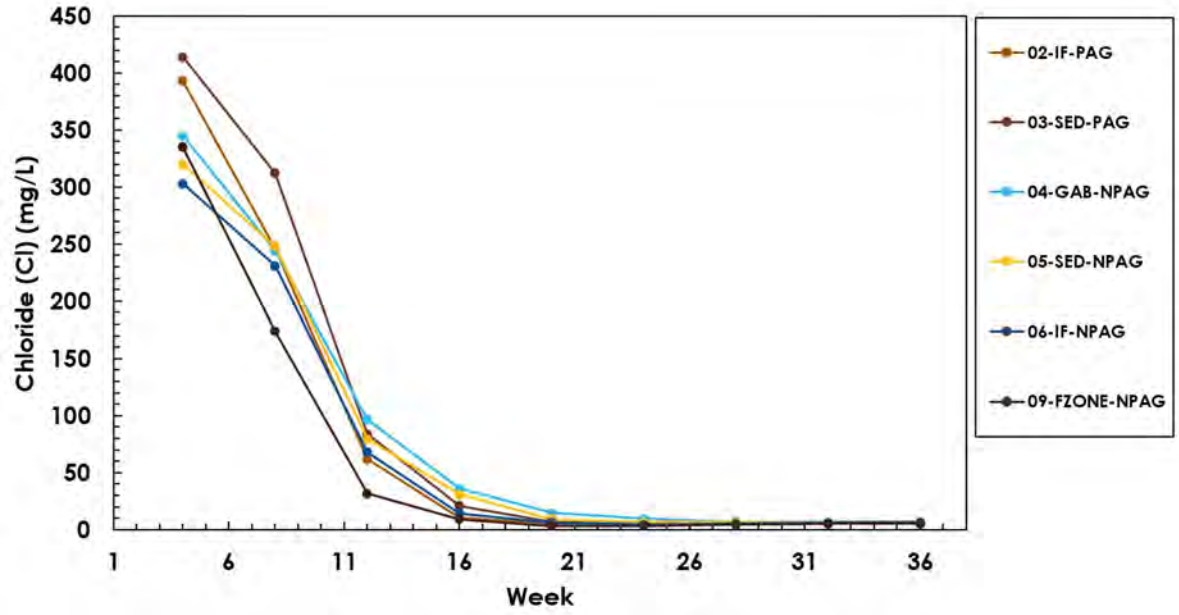

Figure 11: Leachate Cl^- concentration trends for waste rock Columns 02-IF-PAG, 03-SED-PAG, 04-GAB-NPAG, 05-SED-NPAG, 06-IF-NPAG, and 09-FZONE-NPAG throughout the duration of kinetic testing.

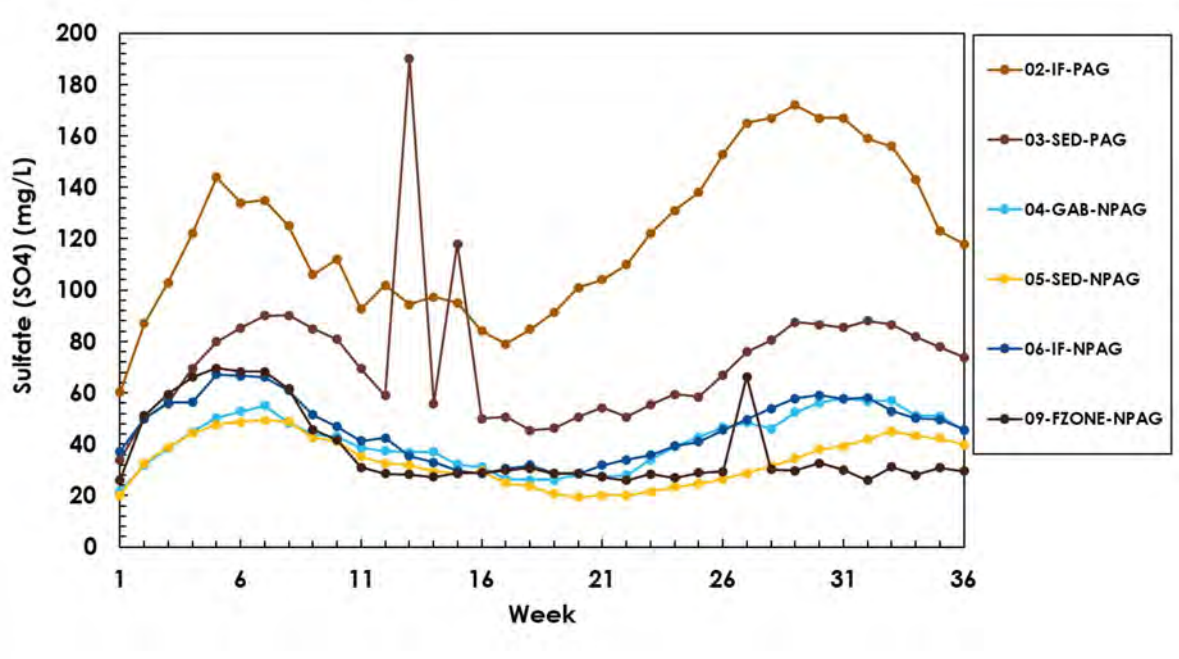

Figure 12: Leachate SO_4 concentration trends for waste rock Columns 02-IF-PAG, 03-SED-PAG, 04-GAB-NPAG, 05-SED-NPAG, 06-IF-NPAG, and 09-FZONE-NPAG throughout the duration of kinetic testing.

Leachate As concentrations increased from the initial flushing concentrations throughout kinetic testing for 04-GAB-NPAG and 05-SED-NPAG but were relatively stable for all other waste rock with concentrations between 0.0005 and 0.0043 mg/L (Figure 13).

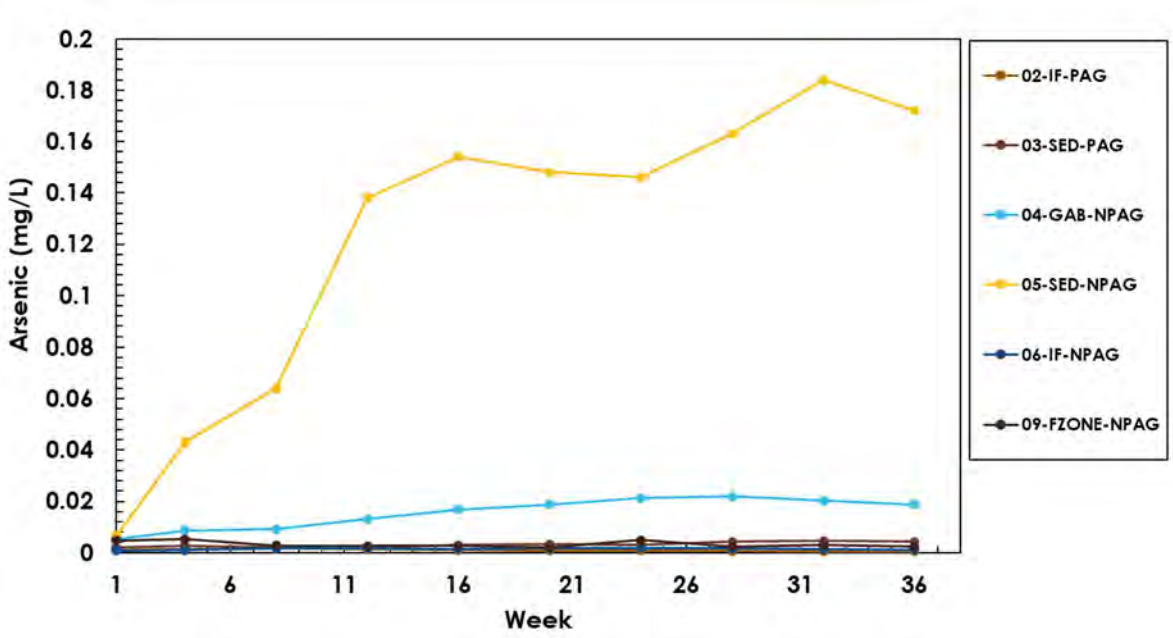

Figure 13: Leachate As concentration trends for waste rock Columns 02-IF-PAG, 03-SED-PAG, 04-GAB-NPAG, 05-SED-NPAG, 06-IF-NPAG, and 09-FZONE-NPAG throughout the duration of kinetic testing.

Column 05-SED-NPAG had the highest leachate As concentrations with a maximum concentration of 0.184 mg/L. The bulk chemistry of the 05-SED-NPAG waste rock material did not contain significantly greater As in the solid phase. It is expected that an anomalous As-bearing mineral that is not representative of the bulk NPAG Sediments material was included in the column material. Subsamples from several locations of the 05-SED-NPAG column were collected, homogenized, and submitted to Queen's University's Facility for Isotope Research for mineral liberation analysis (MLA). Arsenic-rich mineral phases were targeted in the analysis.

The majority of As in the 05-SED-NPAG sample was associated with arsenopyrite, which is a characteristic As-bearing phase in the waste rock. Several grains of gersdorffite (NiAsS) were identified, however, and could be the source of elevated As leaching. Additional MLA analysis of the NPAG Sediments material and other rock types to confirm the relative abundance of gersdorffite would provide additional support for attributing gersdorffite as the source of the non-representative As leaching rates from this material. The complete MLA data is provided in Appendix D.

Leaching Effects of Connate Water vs. DI Water

The purpose of 07-IF-PAG-CW and 08-SED-PAG-CW was to determine the effects that connate water from the underground mine workings has on mineral weathering within waste rock relative to DI water used in traditional kinetic tests. Here, the results from 02-IF-PAG and 03-SED-PAG (DI water used as influent) are compared against 07-IF-PAG-CW and 08-SED-PAG-CW (connate water influent), which have the same respective lithologies.

The connate water is characterized as being saline (EC = 74.2 mS/cm, TDS = 57,700 mg/L), circumneutral (pH = 7.2) with low alkalinity (37.7 mg/L as $CaCO_3$), high Ca and SO_4 concentrations (1,730 and 2,600 mg/L, respectively), and very high Na and Cl concentrations (17,400 and 33,100 mg/L, respectively). The concentrations of Cd, Ni, and As in the influent connate water were 0.00092 mg/L, <0.025 mg/L, and <0.005 mg/L, respectively.

The leachate pH values of 07-IF-PAG-CW and 08-SED-PAG-CW (pH = 7.0 to 7.5) were roughly one pH unit lower than 02-IF-PAG and 03-SED-PAG (pH = 7.8 to 8.7) were stable (Figure 14). The pH differences are potentially due to decreased carbonate dissolution resulting from the high Ca and Mg concentrations of the connate water. The range of leachate EC values of 07-IF-PAG-CW and 08-SED-PAG-CW (55.6 to 81.2 mS/cm) were nearly two orders of magnitude greater than the range of 02-IF-PAG and 03-SED-PAG EC values (2.95 to 0.17 mS/cm) and gradually increased throughout kinetic testing, whereas the leachate EC of 02-IF-PAG and 03-SED-PAG decreased (Figure 15).

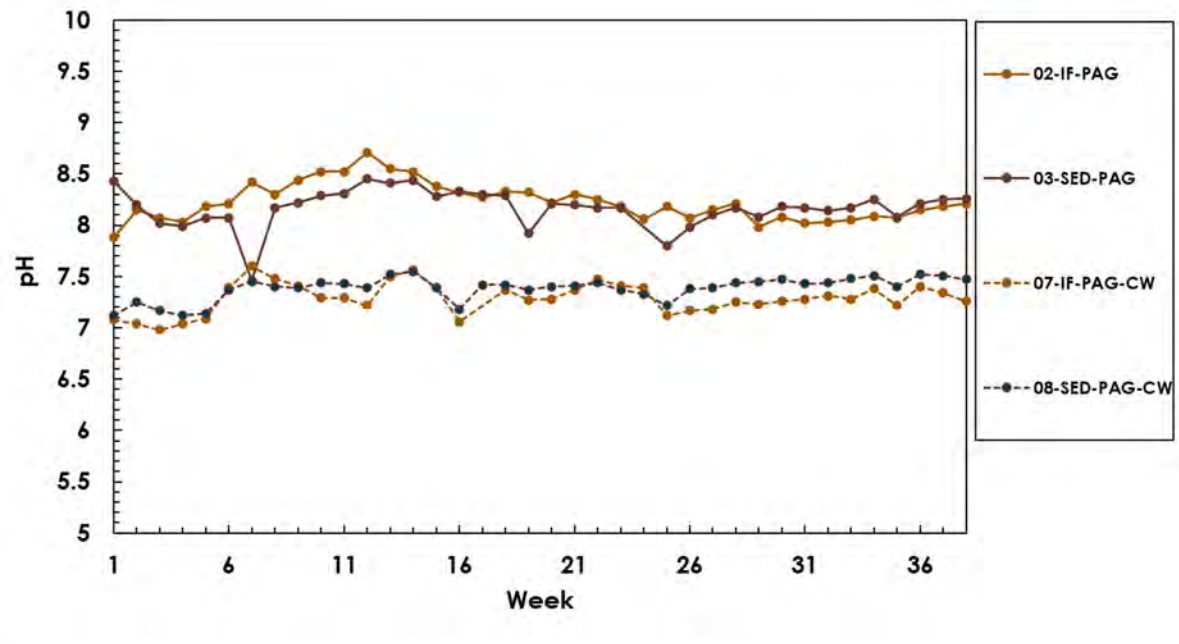

Figure 14: Leachate pH trends for waste rock 02-IF-PAG, 03-SED-PAG, 07-IF-PAG-CW, and 08-SED-PAG-CW throughout the duration of kinetic testing. CW = Connate Water.

Sulfate concentrations in 07-IF-PAG-CW and 08-SED-PAG-CW leachate increased throughout kinetic testing (2,600 to 3,600 mg/L; Figure 16) and were greater than SO_4 concentrations in the influent connate water (2,600 mg/L). Sulfate concentrations from 02-IF-PAG and 03-SED-PAG generally increased throughout testing ranging from 34 to 172 mg/L.

The mobility of divalent metals from the waste rock were affected by the connate water, whereas oxyanion species (e.g., As) were less affected. Both Ni and Cd concentrations from 07-IF-PAG-CW and 08-SED-PAG-CW were roughly 2 orders of magnitude greater than 02-IF-PAG and 03-SED-PAG and showed a stable trend, whereas Ni and Cd concentrations from 02-IF-PAG and 03-SED-PAG gradually decreased throughout kinetic testing (Figure 17 and Figure 18).

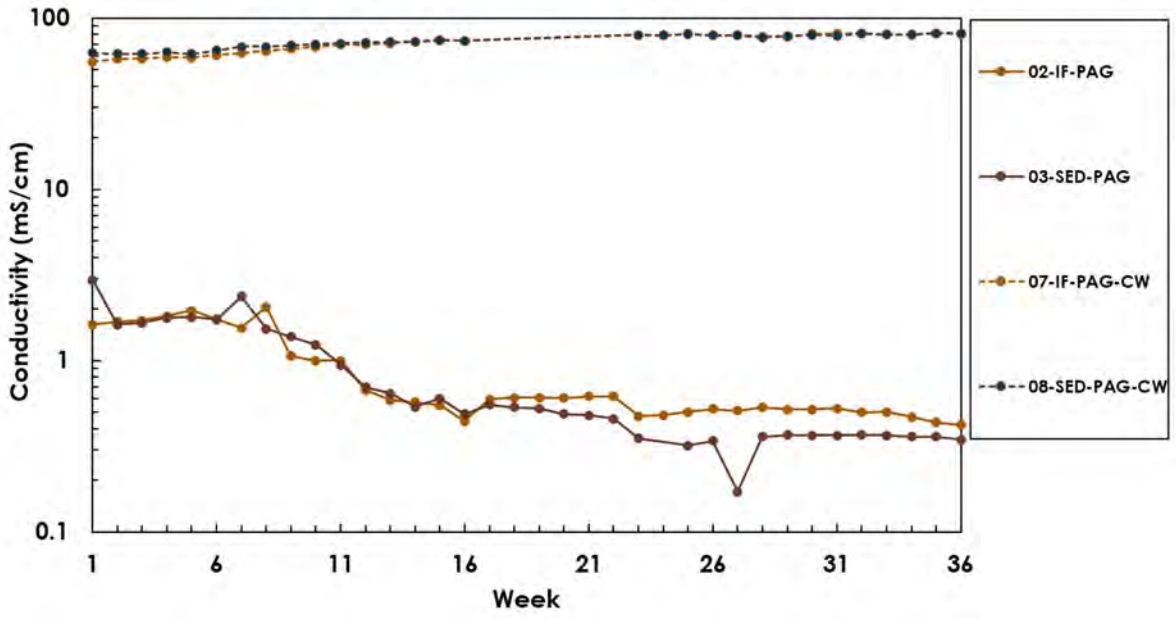

Figure 15: Leachate EC trends for waste rock 02-IF-PAG, 03-SED-PAG, 07-IF-PAG-CW, and 08-SED-PAG-CW throughout the duration of kinetic testing. CW = Connate Water.

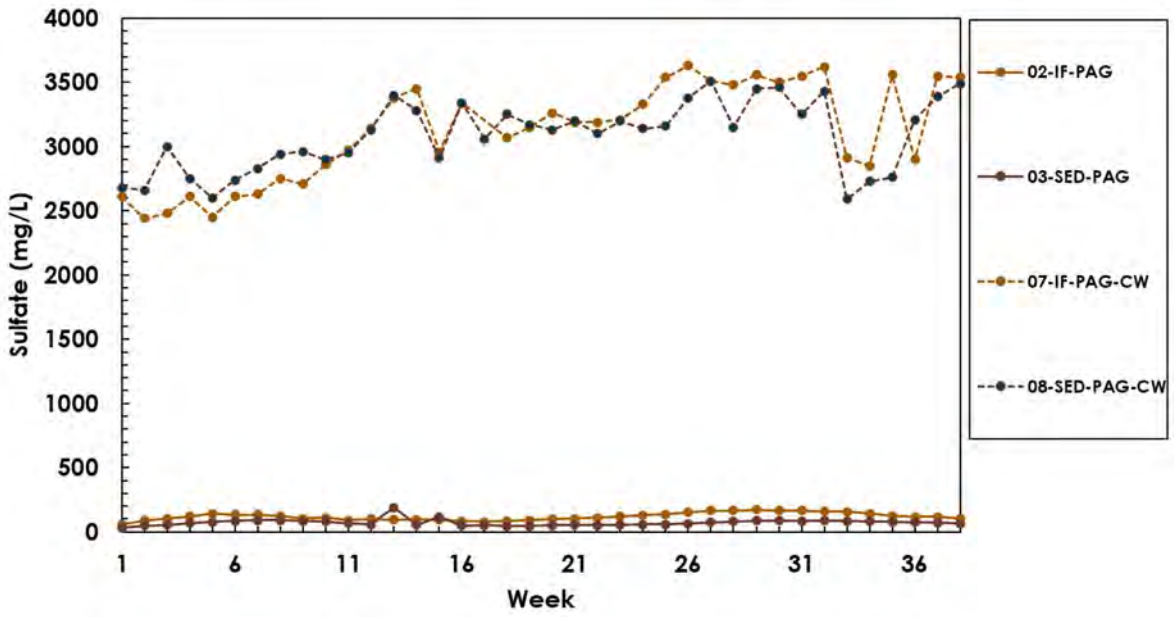

Figure 16: Leachate SO_4 concentration trends for waste rock 02-IF-PAG, 03-SED-PAG, 07-IF-PAG-CW, and 08-SED-PAG-CW throughout the duration of kinetic testing. CW = Connate Water.

Arsenic concentrations in leachate from 07-IF-PAG-CW and 08-SED-PAG-CW were generally below the detection limit of 0.005 and 0.01 mg/L for the entirety of kinetic testing, although the detection limits were raised because of the high TDS of the leachate. Arsenic concentrations in leachate from 03-SED-PAG gradually rose to a maximum of 0.0045 mg/L at week 32, whereas concentrations from 02-IF-PAG decreased to a minimum value of 0.0005 mg/L at the end of kinetic testing (Figure 19).

Cadmium and Ni had greater mobility in 07-IF-PAG-CW and 08-SED-PAG-CW than their DI water counterparts possibly due to decreased adsorption at the lower leachate pH, adsorption competition by SO_4, and complexation with SO_4 and other ligands present in the connate water. Arsenic was less affected at the leachate pH of the connate water columns because As forms oxyanion species that adsorb more strongly at lower pH.

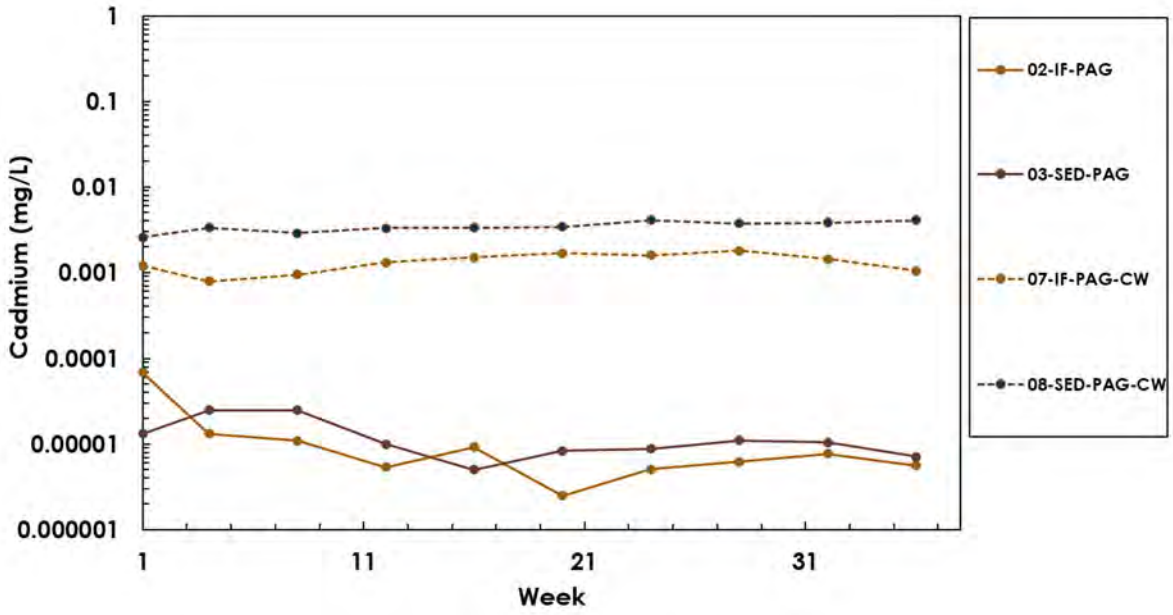

Figure 17: Leachate Cd concentration trends for waste rock 02-IF-PAG, 03-SED-PAG, 07-IF-PAG-CW, and 08-SED-PAG-CW throughout the duration of kinetic testing. CW = Connate Water.

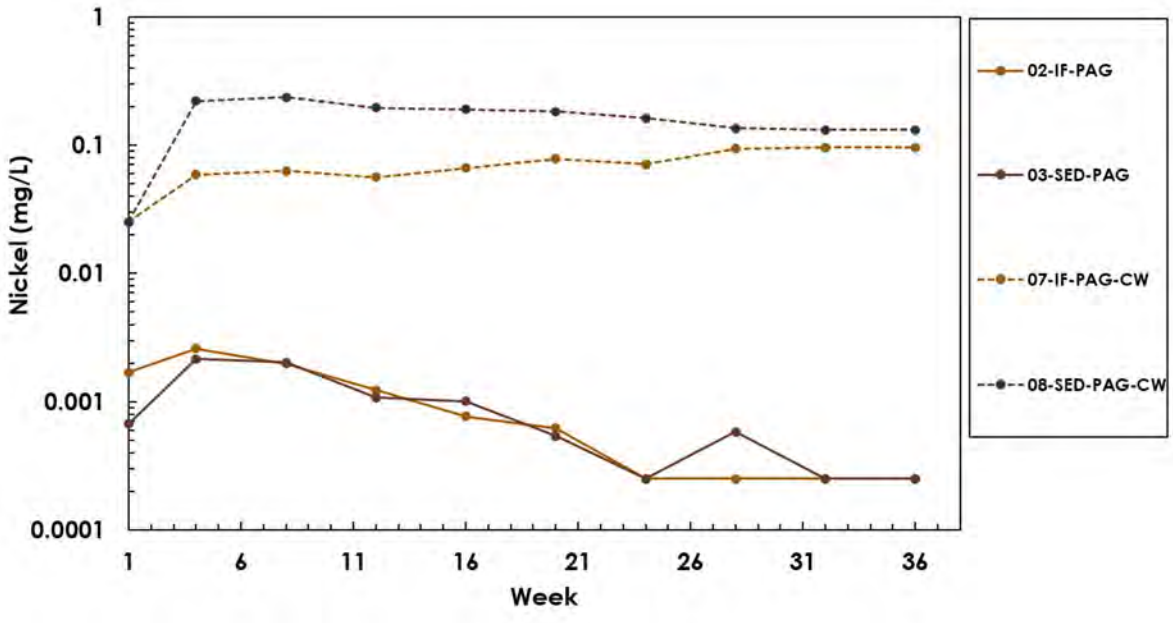

Figure 18: Leachate Ni concentration trends for waste rock 02-IF-PAG, 03-SED-PAG, 07-IF-PAG-CW, and 08-SED-PAG-CW throughout the duration of kinetic testing. CW = Connate Water.

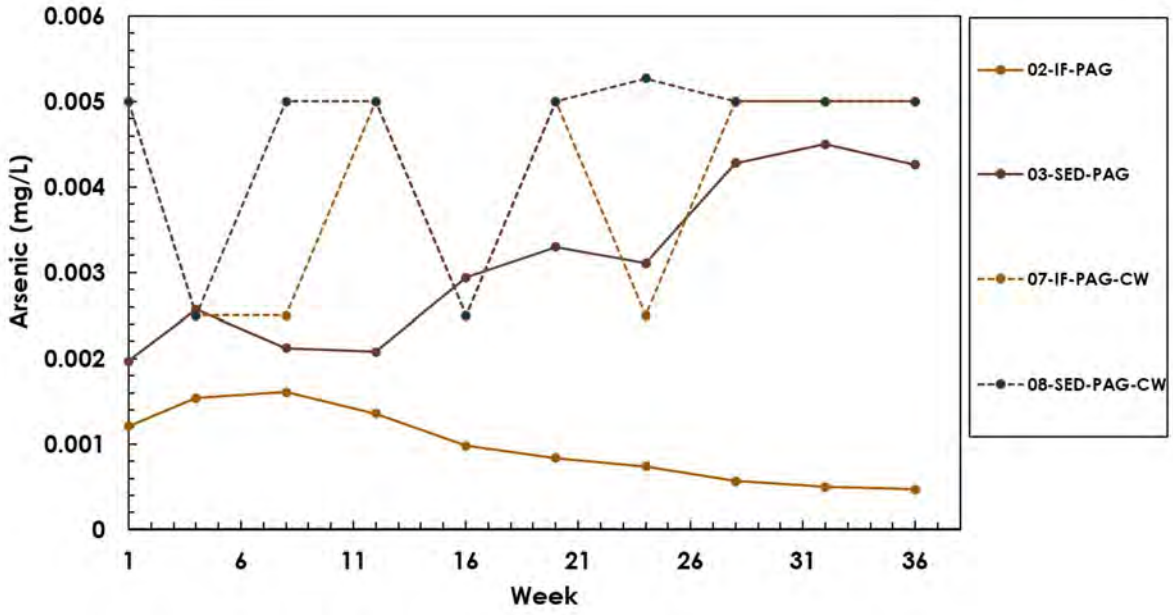

Figure 19: Leachate As concentration trends for waste rock 02-IF-PAG, 03-SED-PAG, 07-IF-PAG-CW, and 08-SED-PAG-CW throughout the duration of kinetic testing. CW = Connate Water.

Salinity Rinsing Columns

The purpose of the salinity rinsing columns (10-ROM-SR1 and 11-ROM-SR2) was to determine the rate that residual salinity is rinsed from the crushed ore under field conditions. Influent water was added at a higher rate than the other columns (0.6 L/week) to accelerate the flushing process. Electrical conductivity, Cl, and Na (proxies for salinity) were plotted against the total number of pore volumes flushed (Figure 20, Figure 21, and Figure 22).

The concentrations of EC, Cl, and Na decreased throughout testing for both 10-ROM-SR1 and 11-ROM-SR2, however each material type exhibited unique trends. Assuming plug flow conditions in the columns, the salinity rinsing rate of 11-ROM-SR2 was greater than 10-ROM-SR1, potentially due to the greater fines content (23% passing 0.15 mm for 11-ROM-SR2 compared to 15% for 10-ROM-SR1) and therefore a greater particle surface area requiring flushing. Leachate from 10-ROM-SR1 had initially high salinity concentrations that rapidly decreased during the first three pore volume flushes and began to stabilize after four flushes were achieved. Leachate salinity concentrations from 11-ROM-SR2 decreased more gradually during the first seven pore volume flushes. Concentrations began to stabilize around eight flushes. These results indicate that several pore volume flushes are required to flush stored salinity from ROM waste rock.

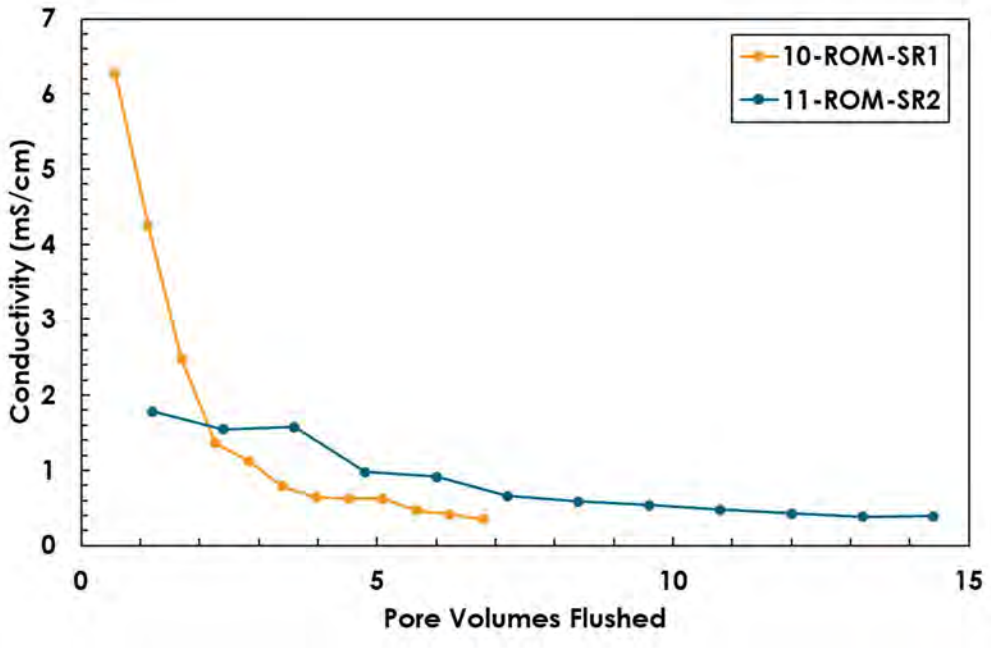

Figure 20: Leachate EC trends plotted against the number of pore volumes flushed for 10-ROM-SR1 and 11-ROM-SR2.

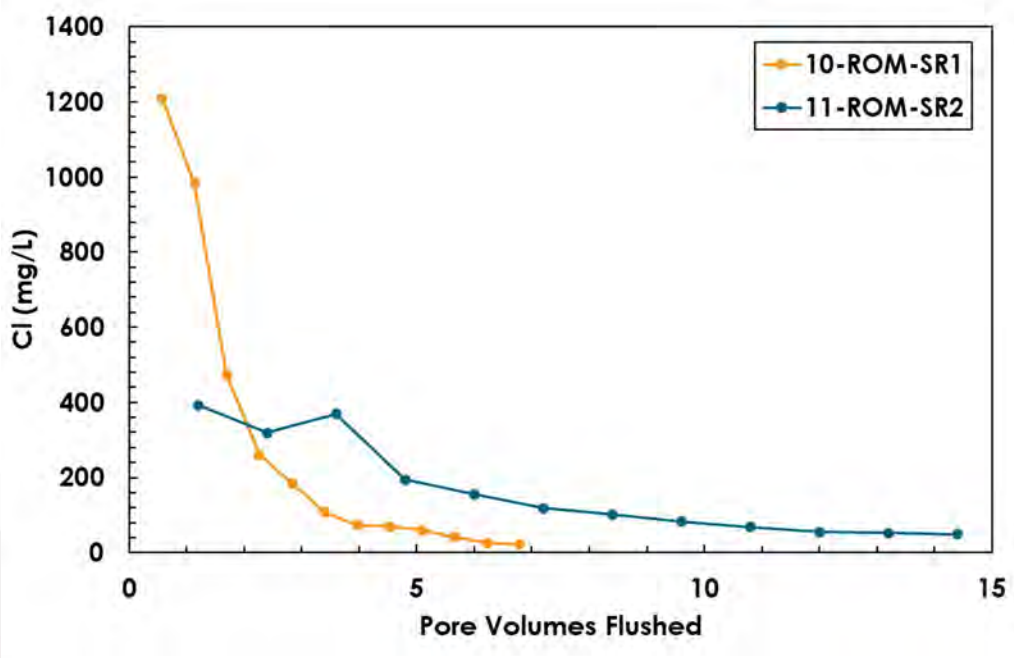

Figure 21: Leachate Cl^- concentration trends plotted against the number of pore volumes flushed for 10-ROM-SR1 and 11-ROM-SR2.

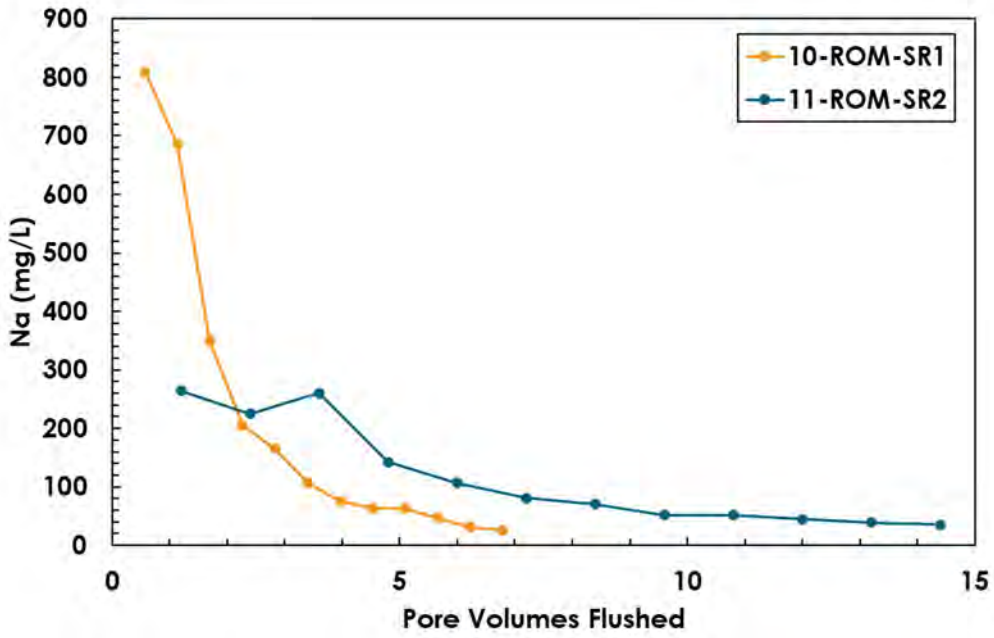

Figure 22: Leachate Na concentration trends plotted against the number of pore volumes flushed for 10-ROM-SR1 and 11-ROM-SR2.

Loading Rates

The loading rates for each analyte were calculated for the tailings and waste rock columns. Loading rates were calculated by dividing the cumulative load at the end of kinetic testing by the mass of material in the column and the total time elapsed (Table 5). The loading rates were not scaled up and represent the temperature (10 °C), equivalent net percolation (700 mm/year), and particle size distribution present in the columns. Scaling factors were not applied to these values because the loading rates may be applied under a range of physical conditions that require different scaling factors to be applied. Loading rates for the connate water columns were adjusted by subtracting the solute loads of the connate water itself from the leachate loads.

Sulfate, Cl, and F loading rates were greatest from 01-TSF. Additionally, metal release rates of As, Cd, Cr, Co, Cu, Pb, Mn, Ni, and Se were elevated from 01-TSF relative to waste rock samples, which is attributed to the combination of elevated sulfide content and finer-textured properties of the tailings.

Loading rates of several metals from the connate water columns were elevated compared to the duplicate columns leached by DI water, and included As, Cd, Co, Cu, Pb, Mn, Ni, and Zn. While As (any

oxyanion in solution) was elevated in the connate water leached columns, divalent metal loading rates were typically one to two orders of magnitude greater. The elevated loading rates of divalent metals was attributed to decreased pH causing less adsorption and increased aqueous complexation due to the high salinity of the connate water.

Table 5: Loading rates for selected analytes (mg/kg/wk).

Column	01-TSF	02-IF-PAG	03-SED-PAG	04-GAB-NPAG	05-SED-NPAG	06-IF-NPAG	07-IF-PAG-CW	08-SED-PAG-CW	09-FZONE-NPAG
SO_4	1.35E+02	3.00E+00	1.69E+00	1.04E+00	8.50E-01	1.14E+00	1.31E+01	1.22E+01	9.05E-01
Cl	1.13E+02	2.45E+00	2.72E+00	2.42E+00	2.25E+00	2.05E+00	N/A	N/A	1.97E+00
F	6.76E-02	9.26E-03	1.47E-02	1.22E-02	1.71E-02	1.05E-02	N/A	N/A	1.48E-02
Al	7.51E-04	6.32E-04	1.03E-03	1.83E-03	1.79E-03	3.58E-04	7.39E-04	1.14E-03	1.32E-03
Sb	1.86E-04	1.90E-04	5.82E-05	7.28E-05	6.19E-05	3.52E-04	1.78E-04	1.57E-04	1.57E-04
As	1.72E-02	2.38E-05	7.97E-05	4.00E-04	3.24E-03	3.54E-05	1.36E-04	1.50E-04	7.81E-05
Cd	1.32E-05	2.67E-07	4.65E-07	1.33E-07	3.22E-07	1.49E-07	1.04E-05	6.50E-05	2.08E-07
Cr	2.32E-04	5.95E-05	5.63E-05	6.36E-05	5.38E-05	4.51E-05	9.32E-04	9.98E-04	7.10E-05
Co	1.99E-02	5.02E-06	4.07E-06	8.18E-06	8.29E-06	2.49E-06	1.36E-04	6.53E-04	3.76E-06
Cu	3.32E-03	5.74E-05	4.46E-05	6.79E-05	4.58E-05	3.64E-05	2.84E-04	3.10E-04	8.94E-05
Pb	2.86E-05	1.52E-06	1.56E-06	1.45E-06	1.54E-06	1.38E-06	6.82E-05	7.48E-05	8.75E-06
Mn	4.55E-02	1.36E-04	1.45E-04	2.34E-04	1.56E-04	1.24E-04	2.93E-03	1.92E-03	3.04E-04
Ni	2.97E-04	2.57E-05	2.37E-05	3.52E-05	4.46E-05	3.63E-05	1.54E-03	3.89E-03	3.97E-05
P	2.86E-02	1.31E-03	1.25E-03	1.25E-03	1.25E-03	1.25E-03	6.82E-02	7.48E-02	1.25E-03
Se	1.12E-03	3.27E-05	5.57E-05	5.68E-05	3.44E-05	3.06E-05	7.82E-05	8.49E-05	4.08E-05
Zn	5.97E-04	4.28E-04	2.31E-04	6.55E-04	5.62E-04	3.75E-04	1.04E-02	5.76E-03	6.71E-04

Loads contributed by influent connate water were subtracted from load calculations of 07-IF-PAG-CW and 08-SED-PAG-CW.
N/A – Salinity of the connate water precluded measurement of a loading rate.

Acid and Neutralization Potential Consumption

Intrinsic Oxidation Rates

Two methods for deriving IORs for the waste rock and tailings samples were used: (1) O_2 consumption and (2) SO_4 loading rates. The complete calculations for the O_2 consumption method are provided in Appendix B. The O_2 consumption method measures the rate that O_2 is consumed in the column under sealed conditions. The SO_4 loading rate method estimates oxidation rates by the mass of SO_4 recovered in the leachate and assumes all SO_4 released results from pyrrhotite oxidation. The IORs (Table 6) can be used for modelling of oxidation processes in the waste rock and tailings.

Table 6: Intrinsic oxidation rates of tailings and waste rock materials calculated from headspace O_2 consumption and SO_4 load methods.

Column ID	Deposit	Intrinsic Oxidation Rate (kg O_2/tonne/s)		
		O_2 Consumption Method		SO_4 Load Method
		Trial 1	Trial 2	
01-TSF	Tiriganiaq	1.4E-08	1.1E-08	1.7E-07
02-IF-PAG	Discovery	7.3E-09	3.7E-09	3.7E-09
03-SED-PAG	Discovery	7.2E-09	4.6E-09	2.2E-09
04-GAB-NPAG	Discovery	5.8E-09	4.6E-09	1.3E-09
05-SED-NPAG	Discovery	7.2E-09	3.6E-09	1.0E-09
06-IF-NPAG	Discovery	5.7E-09	3.6E-09	1.4E-09
07-IF-PAG-CW	Discovery	1.0E-08	3.7E-09	1.3E-08[1]
08-SED-PAG-CW	Discovery	5.7E-09	4.5E-09	1.5E-08[1]
09-FZONE-NPAG	F Zone	1.1E-08	4.2E-09	1.1E-09

[1] Load of sulfate from influent connate water was subtracted from the sulfate load in the leachate for this calculation.
Trial 1 and Trial 2 of the O_2 consumption method measurements were performed before and after the atmospheric kinetic leaching testing, respectively.

The IORs were calculated based on the assumption that pyrrhotite and its reaction intermediates are the primary sources of O_2 consumption and SO_4 generation. The oxidation of pyrrhotite followed the reaction in Equation 1 and it was assumed x is equal to 0.125 (Equation 2). The resulting pyrrhotite oxidation produces Fe^{2+} and it was assumed that all Fe^{2+} oxidizes in the columns to Fe^{3+} and subsequently precipitates as $Fe(OH)_{3(s)}$ when pH > 3.5 (Equation 3). The net oxidation of pyrrhotite and its reaction intermediates consumes 2.15625 moles of O_2 and generates 1 mole of SO_4 and 2 moles of acid.

$$Fe_{1-x}S + \left(2 - \frac{x}{2}\right) O_2 + xH_2O \rightarrow (1-x)Fe^{2+} + SO_4^{2-} + 2xH^+ \quad (1)$$

$$Fe_{0.875}S + 1.9375O_2 + 0.125H_2O \rightarrow 0.875Fe^{2+} + SO_4^{2-} + 0.25H^+ \quad (2)$$

$$Fe_{0.875}S + 2.15625O_2 + 2.3125H_2O \rightarrow 0.875Fe(OH)_{3(s)} + SO_4^{2-} + 2H^+ \qquad (3)$$

The O_2 consumptions IORs calculated from Trial 1 were greater than those from Trial 2, likely due to freshly exposed surfaces created from crushing of the drill core. It is expected that IORs from Trial 2 are more representative of longer-term IORs than Trial 1. Trial 2 IORs are therefore used for further calculations and comparisons.

For waste rock samples, IORs measured using O_2 consumption were greater than IORs measured from the SO_4 load. This could be a result of O_2 being consumed by other processes or by attenuation of SO_4 within the columns (e.g., precipitation reactions). Waste rock flushed by connate water had greater IORs from the SO_4 load measurement despite the load from the influent connate water being subtracted from these calculations. The tailings IOR from the SO_4 load method was also greater than the O_2 consumption method, although this could be a result of an initially high load of stored SO_4 in the tailings material. Given the uncertainties of the SO_4 load, it is recommended that IORs from Trial 2 of the O_2 consumption method are used for all materials tested. Intrinsic oxidation rates were not measured for 10-ROM-SR1 and 11-ROM-SR2 as the purpose of these columns was to determine the salinity rinsing rate for ROM ore.

Neutralization Potential Depletion Time

Acid generation is assumed to occur when all available NP has been consumed, assuming that the acid potential of the sample has not been completely consumed. The depletion time of NP of the tested samples was calculated using both the IORs from the O_2 consumption method (Trial 2) and the SO_4 load method for comparison purposes.

To calculate the NP depletion time, acid generation rates and NP consumption rates (both as mg $CaCO_3$/t/s) were first calculated. Acid generation rates (Table 7) using the O_2 consumption IORs assumed that acid is generated following Equation 3. Alternatively, acid generation rates were also calculated using the SO_4 load in the leachate using the stoichiometry from Equation 3. Neutralization potential consumption rates were calculated using the carbonate molar ratio (CMR) method to relate the stoichiometric ratio of acid neutralization to carbonate consumption (Price, 2009)[1] by calculating the ratio of the cumulative Ca and Mg molar load to the SO_4 molar load of each material tested (Table 8).

[1] Price, A., 2009. Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials. MEND Report 1.20.1. Report prepared for MEND.

Table 7: Measured acid production and neutralization potential consumption rates.

Sample ID	Deposit	Rock Type	Acid Generation Rate (mg $CaCO_3$/t/s)		NP Consumption Rate (mg $CaCO_3$/t/s)	
			Calculated from SO_4 Load	Calculated from O_2 Consumption IOR	Calculated from SO_4 Load	Calculated from O_2 Consumption IOR
01-TSF	Tiriganiaq	Tailings	0.247	0.016	0.247	0.038
02-IF-PAG	Discovery	Iron Formation	0.005	0.005	0.005	0.005
03-SED-PAG	Discovery	Sedimentary	0.003	0.007	0.004	0.007
04-GAB-NPAG	Discovery	Gabbro	0.002	0.007	0.0018	0.008
05-SED-NPAG	Discovery	Sedimentary	0.002	0.005	0.003	0.006
06-IF-NPAG	Discovery	Iron Formation	0.002	0.005	0.003	0.006
07-IF-PAG-CW	Discovery	Iron Formation	0.019	0.005	0.019	0.005
08-SED-PAG-CW	Discovery	Sedimentary	0.022	0.007	0.022	0.007
09-FZONE-NPAG	F-Zone	Mafic Volcanic	0.002	0.006	0.0029	0.007

Table 8: Carbonate molar ratios calculated from cumulative calcium, magnesium, and sulfate loads.

Sample ID	Deposit	Carbonate Molar Ratio (mole CO_3 / mole SO_4)
01-TSF	Tiriganiaq	1.00*
02-IF-PAG	Discovery	1.00‡
03-SED-PAG	Discovery	1.17
04-GAB-NPAG	Discovery	1.00‡
05-SED-NPAG	Discovery	1.75
06-IF-NPAG	Discovery	1.49
07-IF-PAG-CW	Discovery	1.00*
08-SED-PAG-CW	Discovery	1.00*
09-FZONE-NPAG	F Zone	2.00‡

* Values were assumed to be 1.00 because kinetic data contained interferences preventing calculation of the carbonate molar ratio.

‡Calculated values greater than 2 or less then 1 were limited to either 2 or 1 based on the expected stoichiometry of the carbonate neutralization reaction.

The mass of available NP in each column was calculated based on the modified neutralization potential (Mod-NP; Table 9) measured using the modified Sobek method[2] and the column-specific mass of material. The corresponding NP consumption rate and total Mod-NP in each column were used to estimate when Mod-NP would be completely consumed, and acid generation would begin (Table 10). Note that NP depletion times for NPAG materials do not mean that acid will be generated as, by definition, acid generation potential will be consumed before NP is consumed, and therefore acidic conditions will not form from NPAG materials.

Table 9: Acid base accounting characteristics of tested samples.

Sample ID	MAP (kg $CaCO_3$/t)	SAP (kg $CaCO_3$/t)	Mod-NP (kg $CaCO_3$/t)	NPR (Mod-NP/SAP)
01-TSF	-	49.7	70.8	1.6
02-IF-PAG	25	24.1	15.2	0.63
03-SED-PAG	8.1	8.13	7.4	0.91
04-GAB-NPAG	3.5	3.44	34	9.89
05-SED-NPAG	3.0	3.13	9.8	3.14
06-IF-NPAG	7.6	6.56	48	7.31
07-IF-PAG-CW	25	24.1	15.2	0.63
08-SED-PAG-CW	8.1	8.13	7.4	0.91
09-FZONE-NPAG	5.6	5.63	130	23.1

MAP – Maximum acid potential from Total-S content (Total-S wt.% × 31.25).
SAP – Sulfide acid potential is calculated from Sulphide-S (by difference) content (Sulphide-S wt.% × 31.25).
Mod-NP – Modified neutralization potential from Lorax (2022).
NPR – Net potential ratio, Mod-NP/SAP.

As with the IORs, the calculated NP depletion times were generally faster when calculated from the O2 consumption method. Calculated depletion times from the SO_4 load method were faster for the tailings and the waste rock flushed with connate water. It is suggested that NP depletion times from the O_2 consumption method be used, due to the possibility of SO_4 that is not a direct result of oxidation in the columns interfering with the measurements in the tailings and connate water columns.

The depletion times in Table 10 are based on the time to consume NP in the specific materials tested in the columns. A statistical range of the depletion times for each rock type tested was calculated based on Mod-NP statistics of the corresponding rock type ([1] Neutralization depletion is not expected to physically occur for NPAG materials, calculations are for theoretically purposes only.

Table 11; Lorax, 2022). The statistical NP depletion was calculated for each column by dividing the 10th, 25th, median, 75th, and 95th percentile Mod-NP for each rock type by the NP consumption rate (using the

[2] Lawrence, R.W. and Wang, Y. 1996. Determination of Neutralization Potential for Acid Rock Drainage Prediction. MEND Project 1.16.3. July 31, 1996.

O_2 consumption method values) measured in the columns for the respective rock type (Table 7). The measured NP depletion time for all columns lies within the statistical depletion time calculated from acid base accounting statistical ranges of Mod-NP (Table 12 and Figure 23). Note that these NP depletion times are based on unscaled kinetic test results; lower temperatures under field conditions would result in longer lag times until onset of acid generation.

Table 10: Neutralization potential depletion times of tailings and waste rock materials calculated from sulfate loads and oxygen consumption measurements.

Column ID	Deposit	Rock Type	Neutralization Potential Depletion Times (years)[1]	
			Calculated from SO_4 Load	Calculated from O_2 Consumption
01-TSF	Tiriganiaq	Tailings	10	66
02-IF-PAG	Discovery	Iron Formation	91	96
03-SED-PAG	Discovery	Sedimentary	63	31
04-GAB-NPAG	Discovery	Gabbro	589	146
05-SED-NPAG	Discovery	Sedimentary	125	33
06-IF-NPAG	Discovery	Iron Formation	533	193
07-IF-PAG-CW	Discovery	Iron Formation	25	90
08-SED-PAG-CW	Discovery	Iron Formation	11	34
09-FZONE-NPAG	F-Zone	Mafic Volcanic	1,421	300

[1] Neutralization depletion is not expected to physically occur for NPAG materials, calculations are for theoretically purposes only.

Table 11: Acid base accounting Mod-NP statistical ranges.

Sample ID	Deposit	Rock Type	Modified-NP (kg $CaCO_3$/t)				
			10th PCTL	25th PCTL	Median	75th PCTL	95th PCTL
01-TSF	Tiriganiaq	Tailings	-	-	-	-	-
02-IF-PAG	Discovery	Iron Formation	15	18	25	34	62
03-SED-PAG	Discovery	Sedimentary	7.1	13	27	37	55
04-GAB-NPAG	Discovery	Gabbro	7.3	9.6	23	25	55
05-SED-NPAG	Discovery	Sedimentary	6.5	8.5	9.9	15	23
06-IF-NPAG	Discovery	Iron Formation	6.5	8.5	9.9	15	23
07-IF-PAG-CW	Discovery	Iron Formation	11	18	31	72	150
08-SED-PAG-CW	Discovery	Sedimentary	15	18	25	34	62
09-FZONE-NPAG	F-Zone	Volcanics	7.1	13	27	37	55

Modified-NP – modified neutralization potential from Lorax (2022).

Table 12: Statistical ranges for NP depletion times.

Sample ID	Deposit	Rock Type	Measured NP Depletion Time (Years)	Statistical NP Depletion Time (years)[1]				
				10th PCTL	25th PCTL	Median	75th PCTL	95th PCTL
01-TSF	Tiriganiaq	Tailings	66	N/A	N/A	N/A	N/A	N/A
02-IF-PAG	Discovery	Iron Formation	96	46	61	146	159	349
03-SED-PAG	Discovery	Sedimentary	31	27.2	35.6	41.5	62.8	96.4
04-GAB-NPAG	Discovery	Gabbro	146	64.3	77.2	107.2	145.9	266.0
05-SED-NPAG	Discovery	Sedimentary	33	21.7	28.4	33.1	50.2	76.9
06-IF-NPAG	Discovery	Iron Formation	193	28	52	108	149	221
07-IF-PAG-CW	Discovery	Iron Formation	90	43	57	136	147	324
08-SED-PAG-CW	Discovery	Sedimentary	34	30.0	39.3	45.7	69.3	106.3
09-FZONE-NPAG	F-Zone	Mafic Volcanics	300	25	42	72	166	347

[1] Neutralization depletion is not expected to physically occur for NPAG materials, calculations are for theoretically purposes only.
Modified-NP – Modified neutralization potential from Lorax (2022).
N/A – Statistical data not available for calculation.

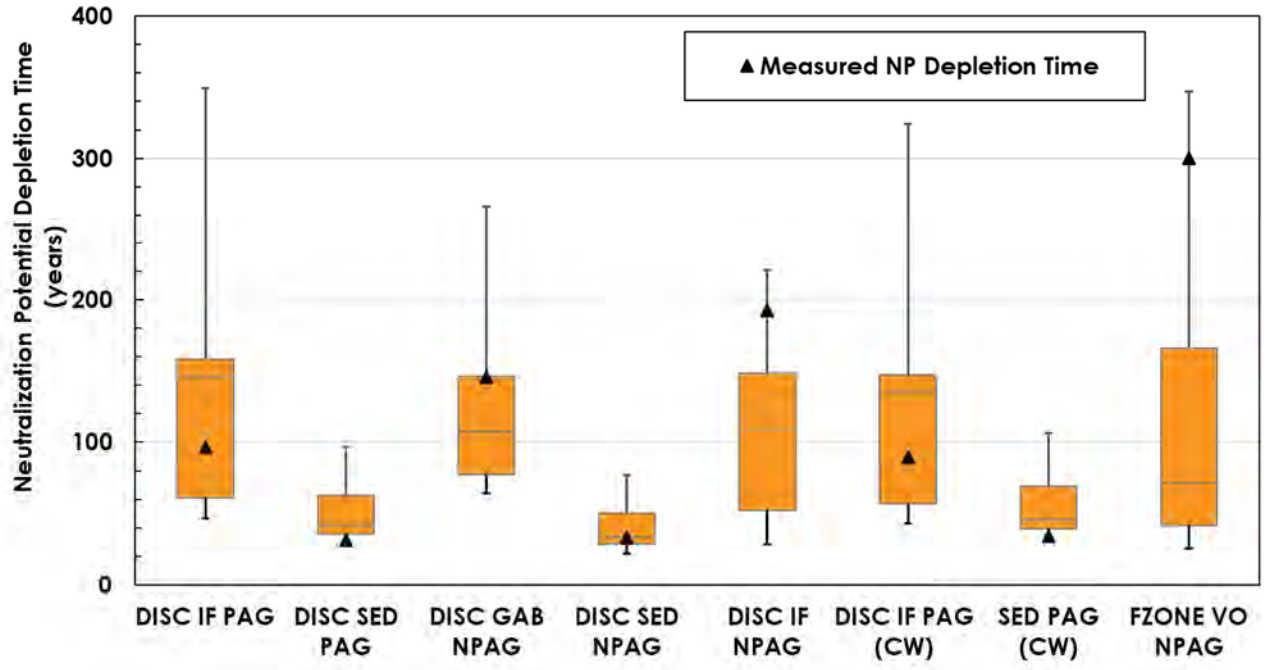

Figure 23: Box and whisker plots for NP depletion times based on the range of Mod-NP for each rock type.

Closure

We trust information provided in this memorandum is satisfactory for your requirements. Please do not hesitate to contact me at 306-713-1695 or jrobertson@okc-sk.com should you have any questions or comments.

Attachments

- Appendix A – Raw Leachate Data
- Appendix B – Oxygen Consumption
- Appendix C – Laboratory Certificates of Analyses
- Appendix D – Mineral Liberation Analysis

Appendix A

Raw Leachate Data

Table A1: Leachate data summary for 01-157 (Regonia tailings).

| Week | Date Sampled | ALS Sample ID | Water Added | pH | Conductivity | ORP | Temperature | Conductivity | Alkalinity, Total (as CaCO3) | Hardness (as CaCO3) | pH | TDS (Calculated) | Bicarbonate (as HCO3) | Carbonate (CO3) | Hydroxide (OH) | Total Kjeldahl Nitrogen | Ammonia, Total (as N) | Bromide (Br) | Chloride (Cl) | Fluoride (F) | Nitrate (as N) | Nitrite (as N) | Nitrate + Nitrite (as N) | Phosphorus (P)-Total | Sulfur (S)-Total | Cyanide, Total | Cyanide, Weak Acid Diss. | Anion Sum | Cation Sum | Cation - Anion Difference | Cation - Anion Balance | Aluminum | Antimony | Arsenic | Barium | Beryllium | Bismuth | Boron | Cadmium | Calcium | Cesium | Chromium | Cobalt | Copper | Iron | Lead | Lithium | Magnesium | Manganese | Molybdenum | Nickel | Phosphorus | Potassium | Rubidium | Selenium | Silicon | Silver | Sodium | Strontium | Sulfur | Tellurium | Thallium | Thallium | Tin | Titanium | Tungsten | Uranium | Vanadium | Zinc | Zirconium |
|---|---|---

Table A5. Leachate data summary for 05-SED-NPAG (Discovery Sedimentary).

Week	Date Sampled	ALS Sample ID	Water Added	pH	Conductivity	ORP	Temperature	Conductivity	Alkalinity, Total (as CaCO3)	Hardness (as CaCO3)	pH	TDS (Calculated)	Bicarbonate (as HCO3)	Carbonate (CO3)	Hydroxide (OH)	Total Kjeldahl Nitrogen	Ammonia, total (as N)	Bromide (Br)	Chloride (Cl)	Fluoride (as F)	Nitrate (as N)	Nitrite (as N)	Nitrate + Nitrite (as N)	Phosphorus (P)-Total	Sulfur (as S)	Cyanide, Total	Cyanide, Weak Acid Diss.	Anion Sum	Cation Sum	Cation - Anion Balance	Cation - Anion Balance	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Cesium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silicon	Silver	Sodium	Strontium	Sulfur	Tellurium	Thallium	Thorium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	Zirconium
			L	pH Units	uS/cm	mV	°C	uS/cm	mg/L	mg/L	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	%	%	%	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1	21-Jan-21	SK210307-012	0.25	8.24	1,082	406	13.8																			20.3																		

Table A8: Leachate data summary for 09-FEDMI-WPAG (F-Zone Mafic Volcanic).

| Week | Date Sampled | ALS Sample ID | Water Added | pH | Conductivity | ORP | Temperature | Conductivity | Alkalinity, Total (as CaCO3) | Hardness (as CaCO3) | pH | EDI [Calculated] | Bicarbonate (as HCO3) | Carbonate (CO3) | Hydroxide (OH) | Total Kjeldahl Nitrogen | Ammonia, total (as N) | Bromide (Br) | Chloride (Cl) | Fluoride (F) | Nitrate (as N) | Nitrite (as N) | Nitrate + Nitrite (as N) | Phosphorus (P)-Total | Sulfur (SO4) | Cyanide, Total | Cyanide, Weak Acid Diss. | Anion Sum | Cation Sum | Cation - Anion Balance | Cation - Anion Balance | Aluminum | Antimony | Arsenic | Barium | Beryllium | Bismuth | Boron | Cadmium | Calcium | Cesium | Chromium | Cobalt | Copper | Iron | Lead | Lithium | Magnesium | Manganese | Molybdenum | Nickel | Phosphorus | Potassium | Rubidium | Selenium | Silicon | Silver | Sodium | Strontium | Sulfur | Tellurium | Thallium | Thorium | Tin | Titanium | Tungsten | Uranium | Vanadium | Zinc | Zirconium |
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Appendix B

Oxygen Consumption

Intrinsic oxidation rates (IORs) based on O_2 consumption

The IORs based on O_2 consumption were calculated using O_2 headspace measurements (Table 1 to Table 9), assumptions about the tailings and waste rock material properties (Table 10 and Table 11, respectively), and the calculated pore volume (Table 12).

The mass of oxygen consumed (kg O_2/t) was calculated using the atmospheric pressure (atm), estimated gas volume (L), gas constant (L · atm/mol · K), molar mass of oxygen (g/mol), measured headspace (%), and dry mass (kg). The IOR (kg O_2/t/s) was then calculated using the elapsed time (s) and the difference in the calculated mass of oxygen consumed.

Table 1: IOR Calculations for 01-TSF

Test	Date	Time	O_2 (%)	CO_2 (%)	Mass O2 (kg O_2/t)	Mass O2 Consumed (kg O_2/t)	ln[O_2]	IOR (kg O_2/t/s)
Trial 1-A	11-Dec-20	11:00:00 AM	20.7	0.1	0.2220	0.0000	-1.5052	-
	12-Dec-20	1:45:00 PM	20.6	0.1	0.2209	0.0011	-1.5101	1.1E-08
	14-Dec-20	11:10:00 AM	20.6	0.1	0.2209	0.0000	-1.5101	4.1E-09
	15-Dec-20	12:40:00 PM	20.6	0.1	0.2209	0.0000	-1.5101	3.0E-09
	17-Dec-20	8:30:00 AM	20.1	0.1	0.2155	0.0054	-1.5347	1.3E-08
	19-Dec-20	2:00:00 PM	20.2	0.1				
	22-Dec-20	10:25:00 AM	20.7	0.1				
	24-Dec-20	11:30:00 AM	20.7	0.1				
	31-Dec-20	9:45:00 AM	20.6	0.1				
	7-Jan-21	12:00:00 PM	20.6	0.1				
Trial 1-B	7-Jan-21	3:00:00 PM	21	0.1	0.2252	0.0000	-1.4908	-
	8-Jan-21	3:00:00 PM	20.8	0.1	0.2230	0.0021	-1.5004	2.5E-08
	12-Jan-21	12:30:00 PM	20.5	0.1	0.2198	0.0032	-1.5149	1.3E-08
	14-Jan-21	2:00:00 PM	20.4	0.1	0.2187	0.0011	-1.5198	1.1E-08
	15-Jan-21	9:30:00 AM	20.4	0.1	0.2187	0.0000	-1.5198	9.6E-09
	15-Jan-21	9:45:00 AM	20.7	0.1				
	18-Jan-21	11:20:00 AM	20.8	0.1				
Trial 1-C	19-Jan-21	12:00:00 PM	20.8	0.1	0.2230	0.0000	-1.5004	-
	20-Jan-21	2:45:00 PM	20.7	0.1	0.2220	0.0011	-1.5052	0.0000
	21-Jan-21	12:10:00 PM	20.5	0.2	0.2198	0.0021	-1.5149	0.0000
	24-Jan-21	12:30:00 PM	20.6	0.1				
	25-Jan-21	4:05:00 PM	20.7	0.2				
	26-Jan-21	11:52:00 AM	20.7	0.1				
	27-Jan-21	4:48:00 PM	20.7	0.1				
	28-Jan-21	12:00:00 PM	20.7	0.2				
Trial 2	10-Dec-21	2:36:00 PM	20.6	0.3	0.2209	0.0000	-1.5101	-
	13-Dec-21	5:33:00 PM	20.3	0.3	0.2177	0.0032	-1.5248	1.2E-08
	16-Dec-21	10:10:00 AM	20.2	0.2	0.2166	0.0011	-1.5297	8.5E-09
	20-Dec-21	12:23:00 PM	19.9	0.5	0.2134	0.0032	-1.5447	8.8E-09
	21-Dec-21	10:12:00 AM	19.5	0.6	0.2091	0.0043	-1.5650	1.3E-08
	22-Dec-21	1:53:00 PM	19.5	0.5	0.2091	0.0000	-1.5650	1.1E-08

Table 2: IOR Calculations for 02-IF-PAG

Test	Date	Time	O_2 (%)	CO_2 (%)	Mass O2 (kg O_2/t)	Mass O2 Consumed (kg O_2/t)	ln[O_2]	IOR (kg O_2/t/s)
Trial 1-A	15-Jan-21	9:45:00 AM	20.7	0.1				
	18-Jan-21	11:20:00 AM	20.8	0.1				
	19-Jan-21	12:00:00 PM	20.8	0.1	0.2907	0.0000	-1.2354	-
	20-Jan-21	2:45:00 PM	20.6	0.1	0.2879	0.0028	-1.2451	2.9E-08
	21-Jan-21	12:12:00 PM	20.5	0.2	0.2865	0.0014	-1.2500	2.4E-08
	24-Jan-21	12:30:00 PM	20.5	0.1	0.2865	0.0000	-1.2500	9.7E-09
	25-Jan-21	4:05:00 PM	20.4	0.2	0.2851	0.0014	-1.2549	1.0E-08
	26-Jan-21	11:54:00 AM	20.5	0.1				
	27-Jan-21	4:48:00 PM	20.5	0.1				
Trial 1-B	28-Jan-21	12:00:00 PM	20.6	0.2	0.2879	-0.0014	-1.2451	-
	29-Jan-21	4:17:00 PM	20.5	0.1	0.2865	0.0014	-1.2500	1.4E-08
	2-Feb-21	2:28:00 PM	20.5	0.1	0.2865	0.0000	-1.2500	3.2E-09
	4-Feb-21	8:26:00 AM	20.3	0.1	0.2837	0.0028	-1.2598	7.1E-09
	5-Feb-21	11:45:00 AM	20.3	0.1	0.2837	0.0000	-1.2598	6.1E-09
	8-Feb-21	3:20:00 PM	20.1	0.2	0.2809	0.0028	-1.2697	7.3E-09
	11-Feb-21	2:00:00 PM	20.3	0.1				
	12-Feb-21	10:05:00 AM	20.2	0.1				
	16-Feb-21	8:46:00 AM	20.3	0.1				
	17-Feb-21	4:59:00 PM	20.4	0.1				
	18-Feb-21	1:05:00 PM	20.3	0.1				
Trial 2	7-Oct-21	10:30:00 AM	20.7	0.1				
	12-Oct-21	10:00:00 AM	20.9	0.2	0.2921	-0.0028	-1.2307	-
	14-Oct-21	10:47:00 AM	20.7	0.1	0.2893	0.0028	-1.2403	4.6E-09
	18-Oct-21	11:43:00 AM	20.6	0.2	0.2879	0.0014	-1.2451	4.4E-09
	21-Oct-21	1:47:00 AM	20.7	0.1	0.2893	-0.0014	-1.2403	2.4E-09
	25-Oct-21	3:10:00 AM	20.5	0.1	0.2865	0.0028	-1.2500	3.7E-09
	28-Oct-21	3:30:00 AM	20.7	0.2				
	1-Nov-21	3:01:00 PM	20.6	0.1				

Table 3: IOR Calculations for 03-SED-PAG

Test	Date	Time	O_2 (%)	CO_2 (%)	Mass O2 (kg O_2/t)	Mass O2 Consumed (kg O_2/t)	ln[O_2]	IOR (kg O_2/t/s)
Trial 1-A	15-Jan-21	9:50:00 AM	20.7	0.1				
	18-Jan-21	11:20:00 AM	20.8	0.1				
	19-Jan-21	12:00:00 PM	20.8	0.1	0.2893	0.0000	-1.2403	-
	20-Jan-21	2:45:00 PM	20.7	0.1	0.2879	0.0014	-1.2451	1.4E-08
	21-Jan-21	12:15:00 PM	20.6	0.2	0.2865	0.0014	-1.2500	1.6E-08
	24-Jan-21	12:30:00 PM	20.7	0.1	0.2879	-0.0014	-1.2451	3.2E-09
	25-Jan-21	4:06:00 PM	20.5	0.2	0.2851	0.0028	-1.2548	7.8E-09
	26-Jan-21	11:55:00 AM	20.7	0.1				
	27-Jan-21	4:49:00 PM	20.5	0.1				
Trial 1-B	28-Jan-21	12:01:00 PM	20.6	0.1	0.2865	-0.0014	-1.2500	-
	29-Jan-21	4:19:00 PM	20.5	0.1	0.2851	0.0014	-1.2548	1.4E-08
	2-Feb-21	2:29:00 PM	20.4	0.1	0.2837	0.0014	-1.2597	6.3E-09
	4-Feb-21	8:27:00 AM	20.3	0.1	0.2823	0.0014	-1.2646	7.0E-09
	5-Feb-21	11:47:00 AM	20.3	0.1	0.2823	0.0000	-1.2646	6.0E-09
	8-Feb-21	3:22:00 PM	20.1	0.2	0.2796	0.0028	-1.2745	7.2E-09
	11-Feb-21	2:02:00 PM	20.3	0.1				
	12-Feb-21	10:06:00 AM	20.2	0.1				
	16-Feb-21	8:47:00 AM	20.3	0.1				
	17-Feb-21	5:00:00 PM	20.3	0.1				
	18-Feb-21	1:06:00 PM	20.2	0.1				
Trial 2	7-Oct-21	10:32:00 AM	20.7	0.1				
	12-Oct-21	10:04:00 AM	21	0.2	0.2921	-0.0042	-1.2307	-
	14-Oct-21	10:48:00 AM	20.7	0.1	0.2879	0.0042	-1.2451	6.9E-09
	18-Oct-21	11:46:00 AM	20.6	0.2	0.2865	0.0014	-1.2500	5.8E-09
	21-Oct-21	1:48:00 AM	20.8	0.1	0.2893	-0.0028	-1.2403	2.4E-09
	25-Oct-21	3:12:00 AM	20.5	0.1	0.2851	0.0042	-1.2548	4.5E-09
	28-Oct-21	3:31:00 AM	20.7	0.2				
	1-Nov-21	3:02:00 PM	20.7	0.1				

Table 4: IOR Calculations for 04-GAB-NPAG

Test	Date	Time	O_2 (%)	CO_2 (%)	Mass O2 (kg O_2/t)	Mass O2 Consumed (kg O_2/t)	ln[O_2]	IOR (kg O_2/t/s)
Trial 1-A	15-Jan-21	9:50:00 AM	20.7	0.1				
	18-Jan-21	11:20:00 AM	20.9	0.1	0.2910	-0.0028	-1.2344	-
	19-Jan-21	12:00:00 PM	20.8	0.1	0.2896	0.0014	-1.2392	1.6E-08
	20-Jan-21	2:45:00 PM	20.8	0.1	0.2896	0.0000	-1.2392	7.5E-09
	21-Jan-21	12:17:00 PM	20.6	0.2	0.2868	0.0028	-1.2488	1.6E-08
	24-Jan-21	12:30:00 PM	20.8	0.1				
	25-Jan-21	4:07:00 PM	20.6	0.2				
	26-Jan-21	11:57:00 AM	20.7	0.1				
	27-Jan-21	4:50:00 PM	20.6	0.1				
Trial 1-B	28-Jan-21	12:02:00 PM	20.7	0.2	0.2882	-0.0014	-1.2440	-
	29-Jan-21	4:20:00 PM	20.6	0.1	0.2868	0.0014	-1.2488	1.4E-08
	2-Feb-21	2:30:00 PM	20.5	0.1	0.2855	0.0014	-1.2537	6.3E-09
	4-Feb-21	8:28:00 AM	20.4	0.1	0.2841	0.0014	-1.2586	7.1E-09
	5-Feb-21	11:49:00 AM	20.5	0.1	0.2855	-0.0014	-1.2537	4.0E-09
	8-Feb-21	3:24:00 PM	20.3	0.2	0.2827	0.0028	-1.2635	5.8E-09
	11-Feb-21	2:04:00 PM	20.4	0.1				
	12-Feb-21	10:07:00 AM	20.4	0.1				
	16-Feb-21	8:49:00 AM	20.4	0.1				
	17-Feb-21	5:01:00 PM	20.5	0.1				
	18-Feb-21	1:07:00 PM	20.3	0.1				
Trial 2	7-Oct-21	10:34:00 AM	20.7	0.1				
	12-Oct-21	10:08:00 AM	21.1	0.2	0.2938	-0.0056	-1.2248	-
	14-Oct-21	10:51:00 AM	20.8	0.1	0.2896	0.0042	-1.2392	6.9E-09
	18-Oct-21	11:48:00 AM	20.7	0.2	0.2882	0.0014	-1.2440	5.8E-09
	21-Oct-21	1:49:00 AM	20.8	0.1	0.2896	-0.0014	-1.2392	3.5E-09
	25-Oct-21	3:13:00 AM	20.6	0.1	0.2868	0.0028	-1.2488	4.6E-09
	28-Oct-21	3:32:00 AM	20.8	0.2				
	1-Nov-21	3:03:00 PM	20.8	0.1				

Table 5: IOR Calculations for 05-SED-NPAG

Test	Date	Time	O_2 (%)	CO_2 (%)	Mass O2 (kg O_2/t)	Mass O2 Consumed (kg O_2/t)	ln[O_2]	IOR (kg O_2/t/s)
Trial 1-A	15-Jan-21	9:50:00 AM	20.7	0.1				
	18-Jan-21	11:20:00 AM	20.9	0.1	0.2911	-0.0028	-1.2341	-
	19-Jan-21	12:00:00 PM	20.8	0.1	0.2897	0.0014	-1.2389	1.6E-08
	20-Jan-21	2:45:00 PM	20.8	0.1	0.2897	0.0000	-1.2389	7.5E-09
	21-Jan-21	12:20:00 PM	20.6	0.2	0.2869	0.0028	-1.2486	1.6E-08
	24-Jan-21	12:30:00 PM	20.6	0.1				
	25-Jan-21	4:10:00 PM	20.6	0.2				
	26-Jan-21	11:59:00 AM	20.6	0.1				
	27-Jan-21	4:51:00 PM	20.6	0.1				
Trial 1-B	28-Jan-21	12:02:00 PM	20.7	0.1	0.2883	-0.0014	-1.2437	-
	29-Jan-21	4:21:00 PM	20.6	0.1	0.2869	0.0014	-1.2486	1.4E-08
	2-Feb-21	2:31:00 PM	20.5	0.1	0.2855	0.0014	-1.2534	6.3E-09
	4-Feb-21	8:29:00 AM	20.4	0.1	0.2841	0.0014	-1.2583	7.1E-09
	5-Feb-21	11:51:00 AM	20.4	0.1	0.2841	0.0000	-1.2583	6.1E-09
	8-Feb-21	3:26:00 PM	20.2	0.2	0.2813	0.0028	-1.2682	7.2E-09
	11-Feb-21	2:06:00 PM	20.4	0.1				
	12-Feb-21	10:08:00 AM	20.4	0.1				
	16-Feb-21	8:50:00 AM	20.5	0.1				
	17-Feb-21	5:02:00 PM	20.6	0.1				
	18-Feb-21	1:08:00 PM	20.5	0.1				
Trial 2	7-Oct-21	10:36:00 AM	20.7	0.1				
	12-Oct-21	10:11:00 AM	21.1	0.2	0.2939	-0.0056	-1.2246	-
	14-Oct-21	10:52:00 AM	20.7	0.1	0.2883	0.0056	-1.2437	9.2E-09
	18-Oct-21	11:50:00 AM	20.7	0.2	0.2883	0.0000	-1.2437	5.8E-09
	21-Oct-21	1:49:00 AM	20.8	0.1	0.2897	-0.0014	-1.2389	3.5E-09
	25-Oct-21	3:14:00 AM	20.7	0.1	0.2883	0.0014	-1.2437	3.6E-09
	28-Oct-21	3:34:00 AM	20.8	0.1				
	1-Nov-21	3:06:00 PM	20.9	0.1				

Table 6: IOR Calculations for 06-IF-NPAG

Test	Date	Time	O_2 (%)	CO_2 (%)	Mass O2 (kg O_2/t)	Mass O2 Consumed (kg O_2/t)	ln[O_2]	IOR (kg O_2/t/s)
Trial 1-A	15-Jan-21	9:55:00 AM	20.7	0.1				
	18-Jan-21	11:20:00 AM	20.9	0.1	0.2873	-0.0027	-1.2471	-
	19-Jan-21	12:00:00 PM	20.8	0.1	0.2860	0.0014	-1.2519	1.5E-08
	20-Jan-21	2:45:00 PM	20.7	0.1	0.2846	0.0014	-1.2567	1.5E-08
	21-Jan-21	12:22:00 PM	20.6	0.2	0.2832	0.0014	-1.2616	1.6E-08
	24-Jan-21	12:30:00 PM	20.6	0.1				
	25-Jan-21	4:12:00 PM	20.6	0.2				
	26-Jan-21	12:01:00 PM	20.6	0.1				
	27-Jan-21	4:51:00 PM	20.6	0.1				
Trial 1-B	28-Jan-21	12:03:00 PM	20.7	0.1	0.2846	-0.0014	-1.2567	-
	29-Jan-21	4:22:00 PM	20.6	0.1	0.2832	0.0014	-1.2616	1.4E-08
	2-Feb-21	2:32:00 PM	20.5	0.1	0.2818	0.0014	-1.2665	6.2E-09
	4-Feb-21	8:30:00 AM	20.4	0.1	0.2805	0.0014	-1.2713	7.0E-09
	5-Feb-21	11:53:00 AM	20.4	0.1	0.2805	0.0000	-1.2713	6.0E-09
	8-Feb-21	3:28:00 PM	20.3	0.2	0.2791	0.0014	-1.2763	5.7E-09
	11-Feb-21	2:08:00 PM	20.5	0.1				
	12-Feb-21	10:09:00 AM	20.4	0.1				
	16-Feb-21	8:51:00 AM	20.5	0.1				
	17-Feb-21	5:03:00 PM	20.5	0.1				
	18-Feb-21	1:09:00 PM	20.4	0.1				
Trial 2	7-Oct-21	10:38:00 AM	20.7	0.1				
	12-Oct-21	10:14:00 AM	21.1	0.2	0.2901	-0.0055	-1.2376	-
	14-Oct-21	10:54:00 AM	20.7	0.1	0.2846	0.0055	-1.2567	9.1E-09
	18-Oct-21	11:52:00 AM	20.7	0.2	0.2846	0.0000	-1.2567	5.8E-09
	21-Oct-21	1:50:00 AM	20.8	0.1	0.2860	-0.0014	-1.2519	3.5E-09
	25-Oct-21	3:15:00 AM	20.7	0.1	0.2846	0.0014	-1.2567	3.6E-09
	28-Oct-21	3:36:00 AM	20.8	0.2				
	1-Nov-21	3:07:00 PM	20.9	0.1				

Table 7: IOR Calculations for 07-IF-PAG-CW

Test	Date	Time	O_2 (%)	CO_2 (%)	Mass O2 (kg O_2/t)	Mass O2 Consumed (kg O_2/t)	ln[O_2]	IOR (kg O_2/t/s)
Trial 1-A	15-Jan-21	9:45:00 AM	20.7	0.1				
	18-Jan-21	11:20:00 AM	20.8	0.1	0.2917	-0.0014	-1.2321	-
	19-Jan-21	12:00:00 PM	20.7	0.1	0.2903	0.0014	-1.2369	1.6E-08
	20-Jan-21	2:45:00 PM	20.5	0.1	0.2875	0.0028	-1.2466	2.3E-08
	21-Jan-21	12:25:00 PM	20.4	0.2	0.2861	0.0014	-1.2515	2.1E-08
	24-Jan-21	12:30:00 PM	20.3	0.1	0.2847	0.0014	-1.2564	1.3E-08
	25-Jan-21	4:13:00 PM	20.4	0.2				
	26-Jan-21	12:02:00 PM	20.4	0.1				
	27-Jan-21	4:52:00 PM	20.4	0.1				
Trial 1-B	28-Jan-21	12:04:00 PM	20.5	0.2	0.2875	-0.0014	-1.2466	
	29-Jan-21	4:23:00 PM	20.4	0.1	0.2861	0.0014	-1.2515	1.4E-08
	2-Feb-21	2:33:00 PM	20.3	0.1	0.2847	0.0014	-1.2564	6.4E-09
	4-Feb-21	8:31:00 AM	20	0.2	0.2805	0.0042	-1.2713	1.2E-08
	5-Feb-21	11:55:00 AM	20.1	0.2	0.2819	-0.0014	-1.2663	8.1E-09
	8-Feb-21	3:30:00 PM	19.8	0.4	0.2777	0.0042	-1.2814	1.0E-08
	11-Feb-21	2:10:00 PM	20.1	0.1				
	12-Feb-21	10:10:00 AM	20	0.1				
	16-Feb-21	8:52:00 AM	20.2	0.1				
	17-Feb-21	5:04:00 PM	20.3	0.1				
	18-Feb-21	1:10:00 PM	20.2	0.1				
Trial 2	7-Oct-21	10:40:00 AM	20.4	0.2				
	12-Oct-21	10:18:00 AM	20.8	0.3	0.2917	-0.0056	-1.2321	-
	14-Oct-21	10:56:00 AM	20.4	0.2	0.2861	0.0056	-1.2515	9.3E-09
	18-Oct-21	11:54:00 AM	20.4	0.2	0.2861	0.0000	-1.2515	5.9E-09
	21-Oct-21	1:51:00 AM	20.5	0.2	0.2875	-0.0014	-1.2466	3.6E-09
	25-Oct-21	3:16:00 AM	20.4	0.2	0.2861	0.0014	-1.2515	3.7E-09
	28-Oct-21	3:37:00 AM	20.6	0.2				
	1-Nov-21	3:08:00 PM	20.6	0.1				

Table 8: IOR Calculations for 08-SED-PAG-CW

Test	Date	Time	O_2 (%)	CO_2 (%)	Mass O2 (kg O_2/t)	Mass O2 Consumed (kg O_2/t)	ln[O_2]	IOR (kg O_2/t/s)
Trial 1-A	15-Jan-21	9:55:00 AM	20.8	0.1				
	18-Jan-21	11:20:00 AM	20.8	0.1				
	19-Jan-21	12:00:00 PM	20.8	0.1	0.2866	0.0000	-1.2498	-
	20-Jan-21	2:45:00 PM	20.7	0.1	0.2852	0.0014	-1.2546	1.4E-08
	21-Jan-21	12:26:00 PM	20.5	0.2	0.2824	0.0028	-1.2643	2.4E-08
	24-Jan-21	12:30:00 PM	20.6	0.1				
	25-Jan-21	4:15:00 PM	20.6	0.2				
	26-Jan-21	12:03:00 PM	20.6	0.1				
	27-Jan-21	4:53:00 PM	20.6	0.1				
Trial 1-B	28-Jan-21	12:05:00 PM	20.6	0.2	0.2838	0.0000	-1.2594	
	29-Jan-21	4:24:00 PM	20.5	0.1	0.2824	0.0014	-1.2643	1.4E-08
	2-Feb-21	2:34:00 PM	20.4	0.1	0.2811	0.0014	-1.2692	6.2E-09
	4-Feb-21	8:32:00 AM	20.4	0.2	0.2811	0.0000	-1.2692	4.7E-09
	5-Feb-21	11:57:00 AM	20.4	0.2	0.2811	0.0000	-1.2692	4.0E-09
	8-Feb-21	3:32:00 PM	20.2	0.3	0.2783	0.0028	-1.2791	5.7E-09
	11-Feb-21	2:12:00 PM	20.3	0.1				
	12-Feb-21	10:11:00 AM	20.3	0.1				
	16-Feb-21	8:53:00 AM	20.3	0.1				
	17-Feb-21	5:05:00 PM	20.4	0.1				
	18-Feb-21	1:11:00 PM	20.2	0.1				
Trial 2	7-Oct-21	10:42:00 AM	20.6	0.1				
	12-Oct-21	10:22:00 AM	21.1	0.2	0.2907	-0.0069	-1.2355	-
	14-Oct-21	10:57:00 AM	20.7	0.1	0.2852	0.0055	-1.2546	9.1E-09
	18-Oct-21	11:56:00 AM	20.7	0.2	0.2852	0.0000	-1.2546	5.8E-09
	21-Oct-21	1:52:00 AM	20.8	0.1	0.2866	-0.0014	-1.2498	3.5E-09
	25-Oct-21	3:17:00 AM	20.6	0.1	0.2838	0.0028	-1.2594	4.5E-09
	28-Oct-21	3:38:00 AM	20.8	0.2				
	1-Nov-21	3:09:00 PM	20.8	0.1				

Table 9: IOR Calculations for 09-FZONE-NPAG

Test	Date	Time	O_2 (%)	CO_2 (%)	Mass O2 (kg O_2/t)	Mass O2 Consumed (kg O_2/t)	ln[O_2]	IOR (kg O_2/t/s)
Trial 1-A	15-Jan-21	9:55:00 AM	20.7	0.1				
	18-Jan-21	11:20:00 AM	20.9	0.1				
	19-Jan-21	12:00:00 PM	20.9	0.1	0.2702	0.0000	-1.3086	-
	20-Jan-21	2:45:00 PM	20.7	0.1	0.2676	0.0026	-1.3182	2.7E-08
	21-Jan-21	12:30:00 PM	20.6	0.2	0.2663	0.0013	-1.3230	2.2E-08
	24-Jan-21	12:30:00 PM	20.4	0.1	0.2637	0.0026	-1.3328	1.5E-08
	25-Jan-21	4:17:00 PM	20.4	0.2				
	26-Jan-21	12:05:00 PM	20.4	0.1				
	27-Jan-21	4:56:00 PM	20.4	0.1				
Trial 1-B	28-Jan-21	12:07:00 PM	20.5	0.2				
	29-Jan-21	4:26:00 PM	20.5	0.1	0.2650	0.0000	-1.3279	-
	2-Feb-21	2:36:00 PM	20.3	0.1	0.2624	0.0026	-1.3377	7.6E-09
	4-Feb-21	8:36:00 AM	20.1	0.2	0.2599	0.0026	-1.3476	1.1E-08
	5-Feb-21	12:00:00 PM	20.2	0.2				
	8-Feb-21	3:34:00 PM	20.1	0.2				
	11-Feb-21	2:15:00 PM	20.3	0.1				
	12-Feb-21	10:12:00 AM	20.2	0.1				
	16-Feb-21	8:56:00 AM	20.2	0.1				
	17-Feb-21	5:08:00 PM	20.2	0.1				
	18-Feb-21	1:15:00 PM	20.2	0.1				
Trial 2	7-Oct-21	10:46:00 AM	20.6	0.1				
	12-Oct-21	10:24:00 AM	21.1	0.2	0.2728	-0.0065	-1.2990	-
	14-Oct-21	10:58:00 AM	20.7	0.1	0.2676	0.0052	-1.3182	8.5E-09
	18-Oct-21	11:57:00 AM	20.7	0.2	0.2676	0.0000	-1.3182	5.4E-09
	21-Oct-21	1:54:00 AM	20.8	0.1	0.2689	-0.0013	-1.3134	3.3E-09
	25-Oct-21	3:20:00 AM	20.6	0.1	0.2663	0.0026	-1.3230	4.2E-09
	28-Oct-21	3:41:00 AM	20.9	0.2				
	1-Nov-21	3:12:00 PM	20.8	0.1				

Table 10: List of assumptions for column 1 (tailings material)

Parameter	Value	Units
Column Cross Sectional Area	0.01843	m2
Connection Cross Sectional Area	0.015393804	m2
Assumed Placed Dry Density	1252	kg/m3
Assumed Particle Density	2800	kg/m3
Porosity	0.552857143	
Total Volume	14.53458913	L
Temperature	283.15	K
Gas Constant	0.082057	L ·atm /mol ·K
Pressure	0.989	atm

Table 11: List of assumptions for column 2 to 9

Parameter	Value	Units
Column Cross Sectional Area	0.01843	m2
Connection Cross Sectional Area	0.015393804	m2
Assumed Placed Dry Density	2650	kg/m3
Temperature	283.15	K
Gas Constant	0.082057	L ·atm /mol ·K
Pressure	0.989	atm

Table 12: Pore volume calculations

Column ID	01-TSF	02-IF-PAG	03-SED-PAG	04-GAB-NPAG	05-SED-NPAG	06-IF-NPAG	07-IF-PAG-CW	08-SED-PAG-CW	09-FZONE-NPAG
Material Height (mm)	429	272	296	289	291	274	253	348	328
Material Volume (mL)	7906	5013	5455	5326	5363	5050	4663	6414	6045
Top Headspace Volume (mL)	6628	9522	9079	9208	9171	9485	9872	8121	8490
Porosity	0.53	0.25	0.31	0.29	0.30	0.25	0.19	0.41	0.38
VWC	0.4	0.1	0.1	0.1	0.1	0.13	0.1	0.1	0.2
VAC	0.13	0.15	0.21	0.19	0.20	0.12	0.09	0.31	0.17
Equivalent Porosity for O_2	0.14	0.15	0.21	0.19	0.20	0.12	0.09	0.31	0.17

Appendix C

Laboratory Certificates of Analyses

O'KANE CONSULTANTS INC.
ATTN: Jared Robertson
112 - 112 Research Drive
Saskatoon SK S7N 3R3

Date Received: 07-JAN-21
Report Date: 28-JAN-21 11:48 (MT)
Version: FINAL REV. 2

Client Phone: 306-955-0702

Certificate of Analysis

Lab Work Order #: L2546323

Project P.O. #: NOT SUBMITTED
Job Reference: 948-021
C of C Numbers:
Legal Site Desc:

Comments: ADDITIONAL 25-JAN-21 09:29

Brian Morgan, B.Sc. Hons.
Client Services Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L2546323-1	L2546323-2	L2546323-3	L2546323-4	L2546323-5
Description	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE
Sampled Date	17-DEC-20	24-DEC-20	31-DEC-20	07-JAN-21	07-JAN-21
Sampled Time	08:45	11:15	12:00	12:00	12:00
Client ID	01_TSF_W1	01_TSF_W2	01_TSF_W3	01_TSF_W4	CONNATE_WATER
Grouping / **Analyte**					
WATER					
Physical Tests					
Conductivity (uS/cm)				71900	75100
pH (pH)				7.24	7.26
Anions and Nutrients					
Alkalinity, Total (as CaCO3) (mg/L)				235	37.7
Ammonia, Total (as N) (mg/L)				24.2 DLHC	5.3 DLHC
Bicarbonate (HCO3) (mg/L)				287.	45.9
Bromide (Br) (mg/L)					<500 DLM
Carbonate (CO3) (mg/L)				<5.0	<5.0
Chloride (Cl) (mg/L)				16900 DLM	33100 DLM
Fluoride (F) (mg/L)				<10 DLM	<100 DLM
Hardness (as CaCO3) (mg/L)				2930	14000
Hydroxide (OH) (mg/L)				<5.0	<5.0
Nitrate (as N) (mg/L)				1240 DLM	<100 DLM
Nitrite (as N) (mg/L)				8.8 DLM	<50 DLM
Total Kjeldahl Nitrogen (mg/L)				1470 DLHC	4.8 DLM
Phosphorus (P)-Total (mg/L)				0.050 DLM	<0.0050
TDS (Calculated) (mg/L)				46700	57700
Sulfate (SO4) (mg/L)	18300 DLDS	15200 DLDS	14700 DLDS	13700 DLM	2600 DLM
Cation - Anion Balance (%)				29.1 BL:INT	3.1
Cyanides					
Cyanide, Weak Acid Diss (mg/L)				<0.050 DLM	<0.0050
Cyanide, Total (mg/L)				18.1	<0.0050
Dissolved Metals					
Dissolved Metals Filtration Location	FIELD			FIELD	FIELD
Aluminum (Al)-Dissolved (mg/L)	<0.10 DLDS			<0.10 DLDS	<0.10 DLDS
Antimony (Sb)-Dissolved (mg/L)	0.0314 DLDS			0.0134 DLDS	<0.0050 DLDS
Arsenic (As)-Dissolved (mg/L)	4.11 DLDS			2.15 DLDS	<0.0050 DLDS
Barium (Ba)-Dissolved (mg/L)	0.241 DLDS			0.153 DLDS	0.115 DLDS
Beryllium (Be)-Dissolved (mg/L)	<0.0050 DLDS			<0.0050 DLDS	<0.0050 DLDS
Bismuth (Bi)-Dissolved (mg/L)	<0.0025 DLDS			<0.0025 DLDS	<0.0025 DLDS
Boron (B)-Dissolved (mg/L)	2.80 DLDS			1.96 DLDS	1.18 DLDS
Cadmium (Cd)-Dissolved (mg/L)	0.00487 DLDS			0.0013 DLM	0.00092 DLDS
Calcium (Ca)-Dissolved (mg/L)	650 DLDS			786 DLDS	1730 DLDS
Cesium (Cs)-Dissolved (mg/L)	<0.00050 DLDS			<0.00050 DLDS	0.0290 DLDS
Chromium (Cr)-Dissolved (mg/L)	<0.0050 DLDS			<0.0050 DLDS	<0.0050 DLDS
Cobalt (Co)-Dissolved (mg/L)	4.56 DLDS			2.91 DLDS	<0.0050 DLDS
Copper (Cu)-Dissolved (mg/L)	1.50 DLDS			0.632 DLM	<0.010 DLDS
Iron (Fe)-Dissolved (mg/L)	10.3 DLDS			6.74 DLDS	<0.50 DLDS
Lead (Pb)-Dissolved (mg/L)	<0.0025 DLDS			<0.0025 DLDS	<0.0025 DLDS
Lithium (Li)-Dissolved (mg/L)	<0.050 DLDS			<0.050 DLDS	0.306 DLDS

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L2546323-6				
	Description	LEACHATE				
	Sampled Date	07-JAN-21				
	Sampled Time	12:00				
	Client ID	BLANK				
Grouping	**Analyte**					
WATER						
Physical Tests	Conductivity (uS/cm)	<5.0				
	pH (pH)	5.03				
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	<5.0				
	Ammonia, Total (as N) (mg/L)	<0.050				
	Bicarbonate (HCO3) (mg/L)	<6.1				
	Bromide (Br) (mg/L)	<0.10				
	Carbonate (CO3) (mg/L)	<5.0				
	Chloride (Cl) (mg/L)	<0.50				
	Fluoride (F) (mg/L)	<0.020				
	Hardness (as CaCO3) (mg/L)	<1.0				
	Hydroxide (OH) (mg/L)	<5.0				
	Nitrate (as N) (mg/L)	<0.020				
	Nitrite (as N) (mg/L)	<0.010				
	Total Kjeldahl Nitrogen (mg/L)	<0.20				
	Phosphorus (P)-Total (mg/L)	<0.0050				
	TDS (Calculated) (mg/L)	<1.0				
	Sulfate (SO4) (mg/L)	<0.30				
	Cation - Anion Balance (%)	Low TDS				
Cyanides	Cyanide, Weak Acid Diss (mg/L)	<0.0050				
	Cyanide, Total (mg/L)	<0.0050				
Dissolved Metals	Dissolved Metals Filtration Location	FIELD				
	Aluminum (Al)-Dissolved (mg/L)	<0.0020				
	Antimony (Sb)-Dissolved (mg/L)	<0.00010				
	Arsenic (As)-Dissolved (mg/L)	<0.00010				
	Barium (Ba)-Dissolved (mg/L)	<0.00010				
	Beryllium (Be)-Dissolved (mg/L)	<0.00010				
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050				
	Boron (B)-Dissolved (mg/L)	<0.010				
	Cadmium (Cd)-Dissolved (mg/L)	<0.0000050				
	Calcium (Ca)-Dissolved (mg/L)	<0.050				
	Cesium (Cs)-Dissolved (mg/L)	<0.000010				
	Chromium (Cr)-Dissolved (mg/L)	<0.00010				
	Cobalt (Co)-Dissolved (mg/L)	<0.00010				
	Copper (Cu)-Dissolved (mg/L)	<0.00020				
	Iron (Fe)-Dissolved (mg/L)	<0.010				
	Lead (Pb)-Dissolved (mg/L)	<0.000050				
	Lithium (Li)-Dissolved (mg/L)	<0.0010				

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L2546323-1	L2546323-2	L2546323-3	L2546323-4	L2546323-5
Description	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE
Sampled Date	17-DEC-20	24-DEC-20	31-DEC-20	07-JAN-21	07-JAN-21
Sampled Time	08:45	11:15	12:00	12:00	12:00
Client ID	01_TSF_W1	01_TSF_W2	01_TSF_W3	01_TSF_W4	CONNATE_WATER
Grouping / **Analyte**					
WATER					
Dissolved Metals					
Magnesium (Mg)-Dissolved (mg/L)	200 DLDS			235 DLDS	2360 DLDS
Manganese (Mn)-Dissolved (mg/L)	0.799 DLDS			1.16 DLDS	0.368 DLDS
Molybdenum (Mo)-Dissolved (mg/L)	1.97 DLDS			1.52 DLDS	0.0132 DLDS
Nickel (Ni)-Dissolved (mg/L)	<0.025 DLDS			<0.025 DLDS	<0.025 DLDS
Phosphorus (P)-Dissolved (mg/L)	<2.5 DLDS			<2.5 DLDS	<2.5 DLDS
Potassium (K)-Dissolved (mg/L)	2580 DLDS			1510 DLDS	526 DLDS
Rubidium (Rb)-Dissolved (mg/L)	0.211 DLDS			0.110 DLDS	0.275 DLDS
Selenium (Se)-Dissolved (mg/L)	0.250 DLDS			0.144 DLDS	<0.0025 DLDS
Silicon (Si)-Dissolved (mg/L)	2.9 DLDS			3.3 DLDS	<2.5 DLDS
Silver (Ag)-Dissolved (mg/L)	0.401 DLDS			0.180 DLDS	<0.00050 DLDS
Sodium (Na)-Dissolved (mg/L)	32300 DLHC			21600 DLDS	17400 DLDS
Strontium (Sr)-Dissolved (mg/L)	3.13 DLDS			3.26 DLDS	42.9 DLDS
Sulfur (S)-Dissolved (mg/L)	13800 DLDS			10500 DLDS	1280 DLDS
Tellurium (Te)-Dissolved (mg/L)	<0.010 DLDS			<0.010 DLDS	<0.010 DLDS
Thallium (Tl)-Dissolved (mg/L)	0.00085 DLDS			0.00053 DLDS	<0.00050 DLDS
Thorium (Th)-Dissolved (mg/L)	<0.0050 DLDS			<0.0050 DLDS	<0.0050 DLDS
Tin (Sn)-Dissolved (mg/L)	<0.0050 DLDS			<0.0050 DLDS	<0.0050 DLDS
Titanium (Ti)-Dissolved (mg/L)	<0.015 DLDS			<0.015 DLDS	<0.015 DLDS
Tungsten (W)-Dissolved (mg/L)	<0.0050 DLDS			<0.0050 DLDS	0.0085 DLDS
Uranium (U)-Dissolved (mg/L)	0.00644 DLDS			0.0120 DLDS	<0.00050 DLDS
Vanadium (V)-Dissolved (mg/L)	<0.025 DLDS			<0.025 DLDS	<0.025 DLDS
Zinc (Zn)-Dissolved (mg/L)	<0.050 DLDS			<0.050 DLDS	<0.050 DLDS
Zirconium (Zr)-Dissolved (mg/L)	<0.010 DLDS			<0.010 DLDS	<0.010 DLDS

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L2546323-6				
	Description	LEACHATE				
	Sampled Date	07-JAN-21				
	Sampled Time	12:00				
	Client ID	BLANK				
Grouping	**Analyte**					
WATER						
Dissolved Metals	Magnesium (Mg)-Dissolved (mg/L)	<0.0050				
	Manganese (Mn)-Dissolved (mg/L)	<0.00010				
	Molybdenum (Mo)-Dissolved (mg/L)	<0.000050				
	Nickel (Ni)-Dissolved (mg/L)	<0.00050				
	Phosphorus (P)-Dissolved (mg/L)	<0.050				
	Potassium (K)-Dissolved (mg/L)	<0.050				
	Rubidium (Rb)-Dissolved (mg/L)	<0.00020				
	Selenium (Se)-Dissolved (mg/L)	<0.000050				
	Silicon (Si)-Dissolved (mg/L)	<0.050				
	Silver (Ag)-Dissolved (mg/L)	<0.000010				
	Sodium (Na)-Dissolved (mg/L)	<0.050				
	Strontium (Sr)-Dissolved (mg/L)	<0.00020				
	Sulfur (S)-Dissolved (mg/L)	<0.50				
	Tellurium (Te)-Dissolved (mg/L)	<0.00020				
	Thallium (Tl)-Dissolved (mg/L)	<0.000010				
	Thorium (Th)-Dissolved (mg/L)	<0.00010				
	Tin (Sn)-Dissolved (mg/L)	<0.00010				
	Titanium (Ti)-Dissolved (mg/L)	<0.00030				
	Tungsten (W)-Dissolved (mg/L)	<0.00010				
	Uranium (U)-Dissolved (mg/L)	<0.000010				
	Vanadium (V)-Dissolved (mg/L)	<0.00050				
	Zinc (Zn)-Dissolved (mg/L)	<0.0010				
	Zirconium (Zr)-Dissolved (mg/L)	<0.00020				

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Fluoride (F)	K	L2546323-4, -5, -6
Matrix Spike	Chloride (Cl)	MS-B	L2546323-1, -2, -3, -4, -5, -6
Matrix Spike	Antimony (Sb)-Dissolved	MS-B	L2546323-1
Matrix Spike	Arsenic (As)-Dissolved	MS-B	L2546323-1
Matrix Spike	Barium (Ba)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Barium (Ba)-Dissolved	MS-B	L2546323-1
Matrix Spike	Boron (B)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Boron (B)-Dissolved	MS-B	L2546323-1
Matrix Spike	Cadmium (Cd)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Cadmium (Cd)-Dissolved	MS-B	L2546323-1
Matrix Spike	Calcium (Ca)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Calcium (Ca)-Dissolved	MS-B	L2546323-1
Matrix Spike	Cobalt (Co)-Dissolved	MS-B	L2546323-1
Matrix Spike	Copper (Cu)-Dissolved	MS-B	L2546323-1
Matrix Spike	Iron (Fe)-Dissolved	MS-B	L2546323-1
Matrix Spike	Lithium (Li)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B	L2546323-1
Matrix Spike	Manganese (Mn)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Manganese (Mn)-Dissolved	MS-B	L2546323-1
Matrix Spike	Molybdenum (Mo)-Dissolved	MS-B	L2546323-1
Matrix Spike	Nickel (Ni)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Potassium (K)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Potassium (K)-Dissolved	MS-B	L2546323-1
Matrix Spike	Rubidium (Rb)-Dissolved	MS-B	L2546323-1
Matrix Spike	Selenium (Se)-Dissolved	MS-B	L2546323-1
Matrix Spike	Silicon (Si)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Silver (Ag)-Dissolved	MS-B	L2546323-1
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L2546323-1
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L2546323-1
Matrix Spike	Sulfur (S)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Sulfur (S)-Dissolved	MS-B	L2546323-1
Matrix Spike	Thallium (Tl)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Uranium (U)-Dissolved	MS-B	L2546323-4, -5, -6
Matrix Spike	Uranium (U)-Dissolved	MS-B	L2546323-1
Matrix Spike	Nitrite (as N)	MS-B	L2546323-1, -2, -3, -4, -5, -6
Matrix Spike	Nitrate (as N)	MS-B	L2546323-1, -2, -3, -4, -5, -6
Matrix Spike	Sulfate (SO4)	MS-B	L2546323-1, -2, -3, -4, -5, -6

Qualifiers for Individual Parameters Listed:

Qualifier	Description
BL:INT	Balance Reviewed: Interference Or Non-Measured Component
DLDS	Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.
DLHC	Detection Limit Raised: Dilution required due to high concentration of test analyte(s).
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
K	Matrix Spike recovery outside ALS DQO due to sample matrix effects.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**

Reference Information

ALK-PCT-SK	Water	Alkalinity by Auto. Titration	APHA 2320 Alkalinity

This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.

BR-IC-N-SK	Water	Bromide in Water by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

CL-IC-N-SK	Water	Chloride in Water by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

CN-T-CFA-VA	Water	Total Cyanide in water by CFA	ISO 14403:2002

This analysis is carried out using procedures adapted from ISO Method 14403:2002 "Determination of Total Cyanide using Flow Analysis (FIA and CFA)". Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.

CN-WAD-CFA-VA	Water	Weak Acid Diss. Cyanide in water by CFA	APHA 4500-CN CYANIDE

This analysis is carried out using procedures adapted from APHA Method 4500-CN I. "Weak Acid Dissociable Cyanide". Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.

EC-PCT-SK	Water	Conductivity (Automated)	APHA 2510 Auto. Conduc.

This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.

F-IC-N-SK	Water	Fluoride in Water by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

IONBALANCE-OP03-SK	Water	Ion Balance Calculation	APHA 1030-E
MET-D-CCMS-SK	Water	Dissolved Metals in Water by CRC ICPMS	APHA 3030B / EPA 6020A

This procedure involves preliminary filtration through a 0.45 um filter followed by instrumental analysis using collision cell inductively coupled plasma - mass spectrometry (modifed from EPA Method 6020A).

NH3-F-CL	Water	Ammonia by Fluorescence	J. ENVIRON. MONIT., 2005, 7, 37-42, RSC

This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.

NO2-IC-N-SK	Water	Nitrite in Water by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

NO3-IC-N-SK	Water	Nitrate in Water by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

P-T-COL-CL	Water	Total P in Water by Colour	APHA 4500-P PHOSPHORUS

This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorus is determined colourimetrically after persulphate digestion of the sample.

PH-PCT-SK	Water	pH by Meter (Automated)	APHA 4500-H pH Value

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

SO4-IC-N-SK	Water	Sulfate in Water by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

TKN-F-CL	Water	Total Kjeldahl Nitrogen by Fluorescence	APHA 4500-NORG (TKN)

This analysis is carried out using procedures adapted from APHA Method 4500-Norg D. "Block Digestion and Flow Injection Analysis". Total Kjeldahl Nitrogen is determined using block digestion followed by Flow-injection analysis with fluorescence detection.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
SK	ALS ENVIRONMENTAL - SASKATOON, SASKATCHEWAN, CANADA
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Reference Information

CL ALS ENVIRONMENTAL - CALGARY, ALBERTA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.
mg/kg - milligrams per kilogram based on dry weight of sample.
mg/kg wwt - milligrams per kilogram based on wet weight of sample.
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.
mg/L - milligrams per litre.
< - Less than.
D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

L2546323-COFC

COC Number: 17 -

Page 1 of

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only): | **ALS Contact:** | **Sampler:**

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	~~PO4-DO-COL-SK~~ TKN-NH3-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	01_TSF_W1	17-Dec-20	8:45	Leachate	1				R					Y
	01_TSF_W2	24-Dec-20	11:15	Leachate	1				R					Y
	01_TSF_W3	31-Dec-20	12:00	Leachate	1				R					Y
	01_TSF_W4	7-Jan-21	12:00	Leachate	4		R	R		R	R	R		Y
	Connate_Water	7-Jan-21	12:00	Leachate	5	R	R	R		R	R	R		Y
	Blank	7-Jan-21	12:00	Leachate	5	R	R	R		R	R	R		Y

JC Jan 7/21

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ YES ☑ NO

Are samples for human consumption/ use? ☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
12.9							

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: January 7, 2021	Time:	Received by:	Date: 7-1-21	Time: 2:30	Received by:	Date: 7-1	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2018 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

3:30

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2100207**	Page	: 1 of 11
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 04-Feb-2021 14:45
PO	: ----	Date Analysis Commenced	: 05-Feb-2021
C-O-C number	: ----	Issue Date	: 19-Feb-2021 18:04
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 34		
No. of samples analysed	: 34		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jorden Fanson	Analyst	Inorganics, Calgary, Alberta
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Naeun Kim	Analyst	Inorganics, Calgary, Alberta
Rebeccah Baker	Analyst	Inorganics, Calgary, Alberta
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in reports identified as "Preliminary Report" are considered authorized for use.

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLHC	*Detection Limit Raised: Dilution required due to high concentration of test analyte(s).*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*
HTA	*Analytical holding time was exceeded.*
IB:INT	*Ion Balance Reviewed: Imbalance is due to interference or non-measured component.*

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W3	09-FZONE-NPAG_W1	09-FZONE-NPAG_W2	09-FZONE-NPAG_W3	10-ROM-SR1_W1
					Client sampling date / time	04-Feb-2021 11:00	21-Jan-2021 14:15	28-Jan-2021 14:55	04-Feb-2021 11:30	21-Jan-2021 15:00
						SK2100207-001	SK2100207-002	SK2100207-003	SK2100207-004	SK2100207-005
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		----	----	----	----	702
conductivity	----	E100	2.0	µS/cm		----	----	----	----	4970
pH	----	E108	0.10	pH units		----	----	----	----	7.59
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	----	----	85.0
bicarbonate	71-52-3	E290	1.0	mg/L		----	----	----	----	104
carbonate	3812-32-6	E290	1.0	mg/L		----	----	----	----	<1.0
hydroxide	14280-30-9	E290	1.0	mg/L		----	----	----	----	<1.0
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	----	----	3130
Anions and Nutrients										
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	----	----	1210 DLDS
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	----	----	<0.400 DLDS
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	----	----	99.5 DLDS
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	----	----	<0.200 DLDS
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3000 DLDS	26.1 DLDS	51.1 DLDS	59.5 DLDS	347 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	----	----	99.5
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	----	----	50.2
cation sum	----	EC101	0.10	meq/L		----	----	----	----	50.1
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	----	----	0.100
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	----	----	99.8
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	----	0.0143 DLDS
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	----	0.00100 DLDS
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	----	0.0234 DLDS
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	----	0.221 DLDS
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	----	<0.000040 DLDS
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	----	<0.000100 DLDS
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	----	1.22 DLDS
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	----	0.000101 DLDS
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	----	----	151 DLDS

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W3	09-FZONE-NPAG_W1	09-FZONE-NPAG_W2	09-FZONE-NPAG_W3	10-ROM-SR1_W1
					Client sampling date / time	04-Feb-2021 11:00	21-Jan-2021 14:15	28-Jan-2021 14:55	04-Feb-2021 11:30	21-Jan-2021 15:00
						SK2100207-001	SK2100207-002	SK2100207-003	SK2100207-004	SK2100207-005
						Result	Result	Result	Result	Result
Dissolved Metals										
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	----	0.000236 DLDS
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	----	0.0188 DLDS
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	----	0.00057 DLDS
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	----	0.0226 DLDS
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	----	----	<0.060 DLDS
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	----	0.000152 DLDS
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	----	0.0219 DLDS
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	----	----	78.8 DLDS
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	----	----	0.0110 DLDS
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	----	0.0144 DLDS
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	----	0.00258 DLDS
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	----	<0.100 DLDS
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	----	----	35.1 DLDS
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	----	0.0241 DLDS
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	----	0.00763 DLDS
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	----	3.08 DLDS
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	----	0.000032 DLDS
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	----	----	810 DLDS
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	----	1.23 DLDS
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	----	135 DLDS
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	----	<0.00040 DLDS
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	----	0.000035 DLDS
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	----	<0.00020 DLDS
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	----	0.0246 DLDS
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	----	<0.00060 DLDS
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	----	0.00030 DLDS
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	----	0.00620 DLDS
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	----	<0.00100 DLDS
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	----	0.0066 DLDS
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	----	<0.00060 DLDS
dissolved metals filtration location	----	EP421	-	-		----	----	----	----	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	10-ROM-SR1_W2	10-ROM-SR1_W3	11-ROM-SR2_W1	11-ROM-SR2_W2	11-ROM-SR2_W3
					Client sampling date / time	28-Jan-2021 15:12	04-Feb-2021 11:40	21-Jan-2021 15:10	28-Jan-2021 15:25	04-Feb-2021 12:00
						SK2100207-006	SK2100207-007	SK2100207-008	SK2100207-009	SK2100207-010
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		606	352	179	168	210
conductivity	----	E100	2.0	µS/cm		4210	2360	1640	1380	1610
pH	----	E108	0.10	pH units		7.58	7.66	7.57	7.50	7.72
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		83.0	88.2	68.1	59.3	97.0
bicarbonate	71-52-3	E290	1.0	mg/L		101	108	83.1	72.3	118
carbonate	3812-32-6	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	<1.0
hydroxide	14280-30-9	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	<1.0
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		2640	1460	901	775	962
Anions and Nutrients										
chloride	16887-00-6	E235.Cl	0.50	mg/L		984 DLDS	474 DLDS	393 DLDS	319 DLDS	369 DLDS
fluoride	16984-48-8	E235.F	0.020	mg/L		<0.400 DLDS	<0.400 DLDS	<0.200 DLDS	0.102 DLDS	<0.200 DLDS
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		84.5 DLDS	46.9 DLDS	8.46 DLDS	8.50 DLDS	13.9 DLDS
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.200 DLDS	<0.200 DLDS	<0.100 DLDS	<0.050 DLDS	0.126 DLDS
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		309 DLDS	230 DLDS	94.7 DLDS	90.4 DLDS	125 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		84.5	46.9	8.46	8.50	14.0
Ion Balance										
anion sum	----	EC101	0.10	meq/L		41.9	23.3	15.0	12.7	16.0
cation sum	----	EC101	0.10	meq/L		42.8	22.8	15.2	13.3	15.7
ion balance (cation-anion difference)	----	EC101	0.010	%		1.06	1.08	0.662	2.31	0.946
ion balance (cations/anions ratio)	----	EC101	0.010	%		102	97.8	101	105	98.1
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0161 DLDS	0.0174 DLDS	0.0261	0.0281	0.0175
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00096 DLDS	0.00091 DLDS	0.00061	0.00052	0.00048
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.0207 DLDS	0.0260 DLDS	0.00681	0.00743	0.0208
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.179 DLDS	0.0958 DLDS	0.0471	0.0419	0.0620
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000040 DLDS	<0.000040 DLDS	<0.000020	<0.000020	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000100 DLDS	<0.000100 DLDS	<0.000050	<0.000050	<0.000050
boron, dissolved	7440-42-8	E421	0.010	mg/L		1.26 DLDS	0.956 DLDS	0.158	0.150	0.141
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		0.0000807 DLDS	0.0000263 DLDS	0.0000336	0.0000256	0.0000366
calcium, dissolved	7440-70-2	E421	0.050	mg/L		132 DLDS	79.5 DLDS	41.3	38.9	43.5
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000197 DLDS	0.000180 DLDS	0.000045	0.000044	0.000072

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	10-ROM-SR1_W2	10-ROM-SR1_W3	11-ROM-SR2_W1	11-ROM-SR2_W2	11-ROM-SR2_W3
					Client sampling date / time	28-Jan-2021 15:12	04-Feb-2021 11:40	21-Jan-2021 15:10	28-Jan-2021 15:25	04-Feb-2021 12:00
						SK2100207-006	SK2100207-007	SK2100207-008	SK2100207-009	SK2100207-010
						Result	Result	Result	Result	Result
Dissolved Metals										
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		0.0133 DLDS	0.00477 DLDS	0.0109	0.00878	0.00713
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00051 DLDS	0.00034 DLDS	0.00019	0.00019	0.00040
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.0167 DLDS	0.00855 DLDS	0.0122	0.00958	0.0116
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.060 DLDS	<0.060 DLDS	<0.030	<0.030	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		0.000142 DLDS	0.000104 DLDS	0.000090	0.000139	0.000054
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0219 DLDS	0.0142 DLDS	0.0159	0.0149	0.0163
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		67.0 DLDS	37.4 DLDS	18.4	17.1	24.5
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.0113 DLDS	0.0172 DLDS	<0.00500	0.00654	0.0422
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.0133 DLDS	0.0104 DLDS	0.00965	0.00772	0.00882
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00232 DLDS	0.00230 DLDS	0.00112	0.00109	0.00222
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.100 DLDS	<0.100 DLDS	<0.050	<0.050	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		33.3 DLDS	20.9 DLDS	6.77	6.49	8.17
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.0202 DLDS	0.0126 DLDS	0.00313	0.00279	0.00325
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.00552 DLDS	0.00231 DLDS	0.00381	0.00314	0.00250
silicon, dissolved	7440-21-3	E421	0.050	mg/L		3.40 DLDS	4.03 DLDS	1.68	1.85	4.23
silver, dissolved	7440-22-4	E421	0.000010	mg/L		0.000032 DLDS	<0.000020 DLDS	0.000093	0.000041	0.000012
sodium, dissolved	17341-25-2	E421	0.050	mg/L		686 DLDS	350 DLDS	264	225	260
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		1.06 DLDS	0.610 DLDS	0.346	0.302	0.247
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		122 DLDS	86.4 DLDS	37.0	33.0	43.3
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00040 DLDS	<0.00040 DLDS	<0.00020	<0.00020	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000032 DLDS	0.000024 DLDS	<0.000010	<0.000010	0.000017
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00020 DLDS	<0.00020 DLDS	<0.00010	<0.00010	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.0211 DLDS	0.0123 DLDS	0.0187	0.0189	0.0211
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00060 DLDS	<0.00060 DLDS	<0.00030	<0.00030	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00025 DLDS	0.00021 DLDS	0.00051	0.00038	0.00027
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.00516 DLDS	0.00380 DLDS	0.00282	0.00244	0.00281
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		<0.00100 DLDS	<0.00100 DLDS	<0.00050	<0.00050	<0.00050
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0073 DLDS	0.0034 DLDS	0.0048	0.0050	0.0089
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00060 DLDS	<0.00060 DLDS	<0.00030	<0.00030	<0.00030
dissolved metals filtration location	----	EP421	-	-		Field	Field	Field	Field	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: Leachate (Matrix: Water)					Client sample ID	04-GAB-NPAG_W3	05-SED-NPAG-W1	05-SED-NPAG-W2	05-SED-NPAG-W3	06-IF-NPAG_W1
					Client sampling date / time	04-Feb-2021 10:00	21-Jan-2021 13:35	28-Jan-2021 14:25	04-Feb-2021 10:05	21-Jan-2021 13:45
Analyte	CAS Number	Method	LOR	Unit		SK2100207-011	SK2100207-012	SK2100207-013	SK2100207-014	SK2100207-015
						Result	Result	Result	Result	Result
Anions and Nutrients										
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		38.3 DLDS	20.3 DLDS	32.6 DLDS	38.8 DLDS	37.3 DLDS

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: Leachate (Matrix: Water)					Client sample ID	06-IF-NPAG_W2	06-IF-NPAG_W3	07-IF-PAG-CW_W1	07-IF-PAG-CW_W2	07-IF-PAG-CW_W3
					Client sampling date / time	28-Jan-2021 14:35	04-Feb-2021 10:15	21-Jan-2021 13:55	28-Jan-2021 14:40	04-Feb-2021 10:45
Analyte	CAS Number	Method	LOR	Unit		SK2100207-016	SK2100207-017	SK2100207-018	SK2100207-019	SK2100207-020
						Result	Result	Result	Result	Result
Anions and Nutrients										
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		49.9 DLDS	56.4 DLDS	2610 DLDS	2440 DLDS	2480 DLDS

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: Leachate (Matrix: Water)					Client sample ID	08-SED-PAG-CW_W1	08-SED-PAG-CW_W2	01_TSF_W5	01_TSF_W6	01_TSF_W7
					Client sampling date / time	21-Jan-2021 14:00	28-Jan-2021 14:45	15-Jan-2021 09:30	21-Jan-2021 12:45	04-Feb-2021 13:30
Analyte	CAS Number	Method	LOR	Unit		SK2100207-021	SK2100207-022	SK2100207-023	SK2100207-024	SK2100207-025
						Result	Result	Result	Result	Result
Anions and Nutrients										
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		2680 DLDS	2660 DLDS	10400 DLDS	9230 DLDS	7620 DLDS

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W8	02-IF-PAG_W1	02-IF-PAG_W2	02-IF-PAG_W3	03-SED-PAG_W1
					Client sampling date / time	04-Feb-2021 08:50	21-Jan-2021 12:55	28-Jan-2021 13:55	04-Feb-2021 09:10	21-Jan-2021 13:20
						SK2100207-026	SK2100207-027	SK2100207-028	SK2100207-029	SK2100207-030
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		2140	----	----	----	----
conductivity	----	E100	2.0	µS/cm		28200	----	----	----	----
pH	----	E108	0.10	pH units		7.33	----	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		135	----	----	----	----
bicarbonate	71-52-3	E290	1.0	mg/L		164	----	----	----	----
carbonate	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	----
hydroxide	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		22100	----	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		11.6	----	----	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		<0.0020	----	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		496 DLHC	----	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		5230 DLDS	----	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		<4.00 DLDS	----	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		382 DLDS	----	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		3.43 DLDS	----	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		6560 DLDS	60.3 DLDS	87.1 DLDS	103 DLDS	34.0 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		385	----	----	----	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		1.32 HTA	----	----	----	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		<0.100 DLHC, HTA	----	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		314	----	----	----	----
cation sum	----	EC101	0.10	meq/L		369	----	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		8.05 IB:INT	----	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		118	----	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		<0.0200 DLDS	----	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00588 DLDS	----	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.657 DLDS	----	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0727 DLDS	----	----	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W8	02-IF-PAG_W1	02-IF-PAG_W2	02-IF-PAG_W3	03-SED-PAG_W1
					Client sampling date / time	04-Feb-2021 08:50	21-Jan-2021 12:55	28-Jan-2021 13:55	04-Feb-2021 09:10	21-Jan-2021 13:20
						SK2100207-026	SK2100207-027	SK2100207-028	SK2100207-029	SK2100207-030
						Result	Result	Result	Result	Result
Dissolved Metals										
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000400 DLDS	----	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.00100 DLDS	----	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		1.83 DLDS	----	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.000425 DLM	----	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		638 DLDS	----	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		<0.000200 DLDS	----	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.0100 DLDS	----	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.872 DLDS	----	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.0831 DLDS	----	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.600 DLDS	----	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.00100 DLDS	----	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		<0.0200 DLDS	----	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		134 DLDS	----	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		1.06 DLDS	----	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.789 DLDS	----	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		<0.0100 DLDS	----	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<1.00 DLDS	----	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		556 DLDS	----	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.0343 DLDS	----	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.0491 DLDS	----	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		4.80 DLDS	----	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		0.0340 DLDS	----	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		7150 DLDS	----	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		2.02 DLDS	----	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		4200 DLDS	----	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00400 DLDS	----	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		<0.000200 DLDS	----	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00200 DLDS	----	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.00229 DLDS	----	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00600 DLDS	----	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		<0.00200 DLDS	----	----	----	----

Analytical Results

Sub-Matrix: **Leachate** (Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W8	02-IF-PAG_W1	02-IF-PAG_W2	02-IF-PAG_W3	03-SED-PAG_W1
					Client sampling date / time	04-Feb-2021 08:50	21-Jan-2021 12:55	28-Jan-2021 13:55	04-Feb-2021 09:10	21-Jan-2021 13:20
						SK2100207-026	SK2100207-027	SK2100207-028	SK2100207-029	SK2100207-030
						Result	Result	Result	Result	Result
Dissolved Metals										
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.00806 DLDS	----	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		<0.0100 DLDS	----	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		<0.0200 DLDS	----	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00600 DLDS	----	----	----	----
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate** (Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W2	03-SED-PAG_W3	04-GAB-NPAG_W1	04-GAB-NPAG_W2	----
					Client sampling date / time	28-Jan-2021 14:05	04-Feb-2021 09:40	21-Jan-2021 13:30	28-Jan-2021 14:15	----
						SK2100207-031	SK2100207-032	SK2100207-033	SK2100207-034	--------
						Result	Result	Result	Result	----
Anions and Nutrients										
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		49.9 DLDS	55.8 DLDS	21.7 DLDS	32.0 DLDS	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2100207**	Page	: 1 of 18
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 04-Feb-2021 14:45
PO	: ----	Issue Date	: 19-Feb-2021 18:04
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 34		
No. of samples analysed	: 34		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers occur - please see following pages for full details.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 15:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 15:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
01_TSF_W8	E298	04-Feb-2021	09-Feb-2021	28 days	5 days	✓	09-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
10-ROM-SR1_W3	E235.Cl	04-Feb-2021	----	----	----		05-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
01_TSF_W8	E235.Cl	04-Feb-2021	----	----	----		05-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
10-ROM-SR1_W1	E235.Cl	21-Jan-2021	----	----	----		05-Feb-2021	28 days	14 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
11-ROM-SR2_W1	E235.Cl	21-Jan-2021	----	----	----		05-Feb-2021	28 days	14 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
11-ROM-SR2_W3	E235.Cl	04-Feb-2021	----	----	----		06-Feb-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
10-ROM-SR1_W2	E235.Cl	28-Jan-2021	----	----	----		05-Feb-2021	28 days	7 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE										
11-ROM-SR2_W2	E235.Cl	28-Jan-2021	----	----	----		05-Feb-2021	28 days	7 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W3	E235.F	04-Feb-2021	----	----	----		05-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
01_TSF_W8	E235.F	04-Feb-2021	----	----	----		05-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W1	E235.F	21-Jan-2021	----	----	----		05-Feb-2021	28 days	14 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W1	E235.F	21-Jan-2021	----	----	----		05-Feb-2021	28 days	14 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W3	E235.F	04-Feb-2021	----	----	----		06-Feb-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W2	E235.F	28-Jan-2021	----	----	----		05-Feb-2021	28 days	7 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W2	E235.F	28-Jan-2021	----	----	----		05-Feb-2021	28 days	7 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
10-ROM-SR1_W3	E235.NO3	04-Feb-2021	----	----	----		05-Feb-2021	3 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
01_TSF_W8	E235.NO3	04-Feb-2021	----	----	----		05-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
10-ROM-SR1_W1	E235.NO3	21-Jan-2021	----	----	----		05-Feb-2021	3 days	14 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
11-ROM-SR2_W1	E235.NO3	21-Jan-2021	----	----	----		05-Feb-2021	3 days	14 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
11-ROM-SR2_W3	E235.NO3	04-Feb-2021	----	----	----		06-Feb-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
10-ROM-SR1_W2	E235.NO3	28-Jan-2021	----	----	----		05-Feb-2021	3 days	7 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
11-ROM-SR2_W2	E235.NO3	28-Jan-2021	----	----	----		05-Feb-2021	3 days	7 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
10-ROM-SR1_W3	E235.NO2	04-Feb-2021	----	----	----		05-Feb-2021	3 days	0 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
01_TSF_W8	E235.NO2	04-Feb-2021	----	----	----		05-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
10-ROM-SR1_W1	E235.NO2	21-Jan-2021	----	----	----		05-Feb-2021	3 days	14 days	× EHTR

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
11-ROM-SR2_W1	E235.NO2	21-Jan-2021	----	----	----		05-Feb-2021	3 days	14 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
11-ROM-SR2_W3	E235.NO2	04-Feb-2021	----	----	----		06-Feb-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
10-ROM-SR1_W2	E235.NO2	28-Jan-2021	----	----	----		05-Feb-2021	3 days	7 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
11-ROM-SR2_W2	E235.NO2	28-Jan-2021	----	----	----		05-Feb-2021	3 days	7 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W3	E235.SO4	04-Feb-2021	----	----	----		05-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG-W3	E235.SO4	04-Feb-2021	----	----	----		05-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W3	E235.SO4	04-Feb-2021	----	----	----		05-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W3	E235.SO4	04-Feb-2021	----	----	----		05-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W3	E235.SO4	04-Feb-2021	----	----	----		05-Feb-2021	28 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W3	E235.SO4	04-Feb-2021	----	----	----		05-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W7	E235.SO4	04-Feb-2021	----	----	----		05-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W8	E235.SO4	04-Feb-2021	----	----	----		05-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W3	E235.SO4	04-Feb-2021	----	----	----		05-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W3	E235.SO4	04-Feb-2021	----	----	----		05-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W3	E235.SO4	04-Feb-2021	----	----	----		05-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG-W1	E235.SO4	21-Jan-2021	----	----	----		05-Feb-2021	28 days	14 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W1	E235.SO4	21-Jan-2021	----	----	----		05-Feb-2021	28 days	14 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W1	E235.SO4	21-Jan-2021	----	----	----		05-Feb-2021	28 days	14 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W1	E235.SO4	21-Jan-2021	----	----	----		05-Feb-2021	28 days	14 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W1	E235.SO4	21-Jan-2021	----	----	----		05-Feb-2021	28 days	14 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W1	E235.SO4	21-Jan-2021	----	----	----		05-Feb-2021	28 days	14 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W6	E235.SO4	21-Jan-2021	----	----	----		05-Feb-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W1	E235.SO4	21-Jan-2021	----	----	----		05-Feb-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W1	E235.SO4	21-Jan-2021	----	----	----		05-Feb-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W1	E235.SO4	21-Jan-2021	----	----	----		05-Feb-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W1	E235.SO4	21-Jan-2021	----	----	----		05-Feb-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W3	E235.SO4	04-Feb-2021	----	----	----		06-Feb-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W5	E235.SO4	15-Jan-2021	----	----	----		05-Feb-2021	28 days	21 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG-W2	E235.SO4	28-Jan-2021	----	----	----		05-Feb-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W2	E235.SO4	28-Jan-2021	----	----	----		05-Feb-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W2	E235.SO4	28-Jan-2021	----	----	----		05-Feb-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W2	E235.SO4	28-Jan-2021	----	----	----		05-Feb-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W2	E235.SO4	28-Jan-2021	----	----	----		05-Feb-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W2	E235.SO4	28-Jan-2021	----	----	----		05-Feb-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W2	E235.SO4	28-Jan-2021	----	----	----		05-Feb-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W2	E235.SO4	28-Jan-2021	----	----	----		05-Feb-2021	28 days	8 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W2	E235.SO4	28-Jan-2021	----	----	----		05-Feb-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W2	E235.SO4	28-Jan-2021	----	----	----		05-Feb-2021	28 days	8 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
01_TSF_W8	E318	04-Feb-2021	11-Feb-2021	28 days	6 days	✓	11-Feb-2021	21 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
01_TSF_W8	E372-U	04-Feb-2021	09-Feb-2021	28 days	5 days	✓	09-Feb-2021	22 days	0 days	✓
Cyanides : Total Cyanide by CFA										
HDPE - total (sodium hydroxide)										
01_TSF_W8	E333	04-Feb-2021	----	----	----		19-Feb-2021	14 days	15 days	× EHT
Cyanides : WAD Cyanide by CFA										
HDPE - total (sodium hydroxide)										
01_TSF_W8	E336	04-Feb-2021	----	----	----		19-Feb-2021	14 days	15 days	× EHT
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
10-ROM-SR1_W2	E421	28-Jan-2021	08-Feb-2021	180 days	11 days	✓	09-Feb-2021	168 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
11-ROM-SR2_W2	E421	28-Jan-2021	08-Feb-2021	180 days	11 days	✓	09-Feb-2021	168 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
10-ROM-SR1_W1	E421	21-Jan-2021	08-Feb-2021	180 days	18 days	✓	09-Feb-2021	161 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 11-ROM-SR2_W1	E421	21-Jan-2021	08-Feb-2021	180 days	18 days	✓	09-Feb-2021	161 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 01_TSF_W8	E421	04-Feb-2021	08-Feb-2021	180 days	4 days	✓	09-Feb-2021	175 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 10-ROM-SR1_W3	E421	04-Feb-2021	08-Feb-2021	180 days	4 days	✓	09-Feb-2021	175 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 11-ROM-SR2_W3	E421	04-Feb-2021	08-Feb-2021	180 days	4 days	✓	09-Feb-2021	175 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 01_TSF_W8	E290	04-Feb-2021	----	----	----		05-Feb-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 10-ROM-SR1_W3	E290	04-Feb-2021	----	----	----		05-Feb-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 11-ROM-SR2_W3	E290	04-Feb-2021	----	----	----		05-Feb-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 10-ROM-SR1_W1	E290	21-Jan-2021	----	----	----		05-Feb-2021	14 days	15 days	× EHTL
Physical Tests : Alkalinity Species by Titration										
HDPE 11-ROM-SR2_W1	E290	21-Jan-2021	----	----	----		05-Feb-2021	14 days	15 days	× EHTL

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Alkalinity Species by Titration										
HDPE										
10-ROM-SR1_W2	E290	28-Jan-2021	----	----	----		05-Feb-2021	14 days	8 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
11-ROM-SR2_W2	E290	28-Jan-2021	----	----	----		05-Feb-2021	14 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE										
01_TSF_W8	E100	04-Feb-2021	----	----	----		05-Feb-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
10-ROM-SR1_W3	E100	04-Feb-2021	----	----	----		05-Feb-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
11-ROM-SR2_W3	E100	04-Feb-2021	----	----	----		05-Feb-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
10-ROM-SR1_W1	E100	21-Jan-2021	----	----	----		05-Feb-2021	28 days	15 days	✓
Physical Tests : Conductivity in Water										
HDPE										
11-ROM-SR2_W1	E100	21-Jan-2021	----	----	----		05-Feb-2021	28 days	15 days	✓
Physical Tests : Conductivity in Water										
HDPE										
10-ROM-SR1_W2	E100	28-Jan-2021	----	----	----		05-Feb-2021	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE										
11-ROM-SR2_W2	E100	28-Jan-2021	----	----	----		05-Feb-2021	28 days	8 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE 10-ROM-SR1_W2	E108	28-Jan-2021	----	----	----		05-Feb-2021	0.25 hrs	192 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W2	E108	28-Jan-2021	----	----	----		05-Feb-2021	0.25 hrs	192 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 10-ROM-SR1_W3	E108	04-Feb-2021	----	----	----		05-Feb-2021	0.25 hrs	28 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W3	E108	04-Feb-2021	----	----	----		05-Feb-2021	0.25 hrs	28 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 01_TSF_W8	E108	04-Feb-2021	----	----	----		05-Feb-2021	0.25 hrs	31 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W1	E108	21-Jan-2021	----	----	----		05-Feb-2021	0.25 hrs	360 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 10-ROM-SR1_W1	E108	21-Jan-2021	----	----	----		05-Feb-2021	0.25 hrs	361 hrs	× EHTR-FM

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.

EHT: Exceeded ALS recommended hold time prior to analysis.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	148610	1	9	11.1	5.0	✓
Ammonia by Fluorescence	E298	149662	1	13	7.6	5.0	✓
Chloride in Water by IC	E235.Cl	148392	1	7	14.2	5.0	✓
Conductivity in Water	E100	148609	1	9	11.1	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	149295	1	7	14.2	5.0	✓
Fluoride in Water by IC	E235.F	148390	1	7	14.2	5.0	✓
Nitrate in Water by IC	E235.NO3	148393	1	7	14.2	5.0	✓
Nitrite in Water by IC	E235.NO2	148391	1	7	14.2	5.0	✓
pH by Meter	E108	148608	1	10	10.0	5.0	✓
Sulfate in Water by IC	E235.SO4	148389	2	36	5.5	5.0	✓
Total Cyanide by CFA	E333	152887	1	1	100.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	149889	1	3	33.3	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	149339	1	4	25.0	5.0	✓
WAD Cyanide by CFA	E336	152886	1	1	100.0	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	148610	1	9	11.1	5.0	✓
Ammonia by Fluorescence	E298	149662	1	13	7.6	5.0	✓
Chloride in Water by IC	E235.Cl	148392	1	7	14.2	5.0	✓
Conductivity in Water	E100	148609	1	9	11.1	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	149295	1	7	14.2	5.0	✓
Fluoride in Water by IC	E235.F	148390	1	7	14.2	5.0	✓
Nitrate in Water by IC	E235.NO3	148393	1	7	14.2	5.0	✓
Nitrite in Water by IC	E235.NO2	148391	1	7	14.2	5.0	✓
pH by Meter	E108	148608	1	10	10.0	5.0	✓
Sulfate in Water by IC	E235.SO4	148389	2	36	5.5	5.0	✓
Total Cyanide by CFA	E333	152887	1	1	100.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	149889	1	3	33.3	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	149339	1	4	25.0	5.0	✓
WAD Cyanide by CFA	E336	152886	1	1	100.0	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	148610	1	9	11.1	5.0	✓
Ammonia by Fluorescence	E298	149662	1	13	7.6	5.0	✓
Chloride in Water by IC	E235.Cl	148392	1	7	14.2	5.0	✓
Conductivity in Water	E100	148609	1	9	11.1	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	149295	1	7	14.2	5.0	✓
Fluoride in Water by IC	E235.F	148390	1	7	14.2	5.0	✓
Nitrate in Water by IC	E235.NO3	148393	1	7	14.2	5.0	✓

Matrix: **Water**

Evaluation: ✗ = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Nitrite in Water by IC	E235.NO2	148391	1	7	14.2	5.0	✓
Sulfate in Water by IC	E235.SO4	148389	2	36	5.5	5.0	✓
Total Cyanide by CFA	E333	152887	1	1	100.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	149889	1	3	33.3	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	149339	1	4	25.0	5.0	✓
WAD Cyanide by CFA	E336	152886	1	1	100.0	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	149662	1	13	7.6	5.0	✓
Chloride in Water by IC	E235.Cl	148392	1	7	14.2	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	149295	1	7	14.2	5.0	✓
Fluoride in Water by IC	E235.F	148390	1	7	14.2	5.0	✓
Nitrate in Water by IC	E235.NO3	148393	1	7	14.2	5.0	✓
Nitrite in Water by IC	E235.NO2	148391	1	7	14.2	5.0	✓
Sulfate in Water by IC	E235.SO4	148389	2	36	5.5	5.0	✓
Total Cyanide by CFA	E333	152887	0	1	0.0	5.0	✗
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	149889	1	3	33.3	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	149339	1	4	25.0	5.0	✓
WAD Cyanide by CFA	E336	152886	0	1	0.0	5.0	✗

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Calgary - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Cyanide by CFA	E333 Vancouver - Environmental	Water	ISO 14403 (mod)	Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.
WAD Cyanide by CFA	E336 Vancouver - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U Calgary - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	"Hardness (as CaCO3), dissolved" is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in $CaCO_3$ equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Calgary - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.
Digestion for Total Phosphorus in water	EP372 Calgary - Environmental	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.

QUALITY CONTROL REPORT

Work Order	: **SK2100207**	Page	: 1 of 11
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 04-Feb-2021 14:45
PO	: ----	Date Analysis Commenced	: 05-Feb-2021
C-O-C number	: ----	Issue Date	: 19-Feb-2021 18:05
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 34		
No. of samples analysed	: 34		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jorden Fanson	Analyst	Inorganics, Calgary, Alberta
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Naeun Kim	Analyst	Inorganics, Calgary, Alberta
Rebeccah Baker	Analyst	Inorganics, Calgary, Alberta
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 148608)											
SK2100211-001	Anonymous	pH	----	E108	0.10	pH units	6.67	6.68	0.174%	3%	----
Physical Tests (QC Lot: 148609)											
SK2100211-001	Anonymous	conductivity	----	E100	2.0	µS/cm	39.3	42.3	7.35%	10%	----
Physical Tests (QC Lot: 148610)											
SK2100211-001	Anonymous	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	10.7	10.6	0.10	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 148389)											
SK2100207-005	10-ROM-SR1_W1	sulfate (as SO4)	14808-79-8	E235.SO4	6.00	mg/L	347	349	0.532%	20%	----
Anions and Nutrients (QC Lot: 148390)											
SK2100207-005	10-ROM-SR1_W1	fluoride	16984-48-8	E235.F	0.400	mg/L	<0.400	<0.400	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 148391)											
SK2100207-005	10-ROM-SR1_W1	nitrite (as N)	14797-65-0	E235.NO2	0.200	mg/L	<0.200	<0.200	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 148392)											
SK2100207-005	10-ROM-SR1_W1	chloride	16887-00-6	E235.Cl	10.0	mg/L	1210	1220	0.937%	20%	----
Anions and Nutrients (QC Lot: 148393)											
SK2100207-005	10-ROM-SR1_W1	nitrate (as N)	14797-55-8	E235.NO3	0.400	mg/L	99.5	100	0.790%	20%	----
Anions and Nutrients (QC Lot: 148627)											
SK2100211-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	1.20	1.20	0.0008	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 149339)											
SK2100195-001	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0040	mg/L	0.168	0.168	0.186%	20%	----
Anions and Nutrients (QC Lot: 149662)											
RG2100015-004	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.203	0.195	4.17%	20%	----
Anions and Nutrients (QC Lot: 149889)											
SK2100195-001	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L	1.16	1.54	0.389	Diff <2x LOR	----
Cyanides (QC Lot: 152886)											
SK2100207-026	01_TSF_W8	cyanide, weak acid dissociable	----	E336	0.100	mg/L	<0.100	<0.100	0	Diff <2x LOR	----
Cyanides (QC Lot: 152887)											
SK2100207-026	01_TSF_W8	cyanide, strong acid dissociable (total)	----	E333	0.100	mg/L	1.32	1.32	0.193%	20%	----
Dissolved Metals (QC Lot: 149295)											
SK2100207-005	10-ROM-SR1_W1	aluminum, dissolved	7429-90-5	E421	0.0020	mg/L	0.0143	0.0155	0.0012	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.00020	mg/L	0.00100	0.00100	0.0000004	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00020	mg/L	0.0234	0.0229	1.77%	20%	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 149295) - continued											
SK2100207-005	10-ROM-SR1_W1	barium, dissolved	7440-39-3	E421	0.00020	mg/L	0.221	0.224	1.30%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000040	mg/L	<0.000040	<0.000040	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.020	mg/L	1.22	1.24	1.97%	20%	----
		cadmium, dissolved	7440-43-9	E421	0.0000100	mg/L	0.000101	0.0000843	0.0000171	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	0.100	mg/L	151	153	1.70%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000020	mg/L	0.000236	0.000232	1.74%	20%	----
		chromium, dissolved	7440-47-3	E421	0.00100	mg/L	0.0188	0.0192	1.93%	20%	----
		cobalt, dissolved	7440-48-4	E421	0.00020	mg/L	0.00057	0.00057	0.0000007	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00040	mg/L	0.0226	0.0227	0.786%	20%	----
		iron, dissolved	7439-89-6	E421	0.060	mg/L	<0.060	<0.060	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000100	mg/L	0.000152	0.000145	0.000007	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0020	mg/L	0.0219	0.0232	5.55%	20%	----
		magnesium, dissolved	7439-95-4	E421	0.0100	mg/L	78.8	79.6	1.07%	20%	----
		manganese, dissolved	7439-96-5	E421	0.0100	mg/L	0.0110	0.0112	0.00013	Diff <2x LOR	----
		molybdenum, dissolved	7439-98-7	E421	0.000100	mg/L	0.0144	0.0148	2.57%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00100	mg/L	0.00258	0.00259	0.00002	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	0.100	mg/L	<0.100	<0.100	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	0.100	mg/L	35.1	36.0	2.43%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00040	mg/L	0.0241	0.0240	0.356%	20%	----
		selenium, dissolved	7782-49-2	E421	0.000100	mg/L	0.00763	0.00749	1.96%	20%	----
		silicon, dissolved	7440-21-3	E421	0.100	mg/L	3.08	3.11	0.960%	20%	----
		silver, dissolved	7440-22-4	E421	0.000020	mg/L	0.000032	0.000030	0.000002	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	0.100	mg/L	810	832	2.59%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00040	mg/L	1.23	1.26	2.25%	20%	----
		sulfur, dissolved	7704-34-9	E421	1.00	mg/L	135	137	1.36%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000020	mg/L	0.000035	0.000031	0.000004	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00020	mg/L	0.0246	0.0246	0.0137%	20%	----
		titanium, dissolved	7440-32-6	E421	0.00060	mg/L	<0.00060	<0.00060	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00020	mg/L	0.00030	0.00028	0.00002	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000020	mg/L	0.00620	0.00602	2.97%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0020	mg/L	0.0066	0.0067	0.0001	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 149295) - continued											
SK2100207-005	10-ROM-SR1_W1	zirconium, dissolved	7440-67-7	E421	0.00060	mg/L	<0.00060	<0.00060	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 148609)						
conductivity	----	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 148610)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 148389)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 148390)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 148391)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 148392)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 148393)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 148627)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 149339)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Anions and Nutrients (QCLot: 149662)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 149889)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Cyanides (QCLot: 152886)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
Cyanides (QCLot: 152887)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 149295)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 149295) - continued						
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 148608)									
pH	----	E108	----	pH units	6.86 pH units	99.4	98.0	102	----
Physical Tests (QCLot: 148609)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	98.9	90.0	110	----
Physical Tests (QCLot: 148610)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	99.3	85.0	115	----
Anions and Nutrients (QCLot: 148389)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 148390)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 148391)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	105	90.0	110	----
Anions and Nutrients (QCLot: 148392)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 148393)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 148627)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 149339)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.32 mg/L	102	80.0	120	----
Anions and Nutrients (QCLot: 149662)									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.1 mg/L	98.8	85.0	115	----
Anions and Nutrients (QCLot: 149889)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	82.3	75.0	125	----
Cyanides (QCLot: 152886)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	97.7	80.0	120	----
Cyanides (QCLot: 152887)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	89.3	80.0	120	----
Dissolved Metals (QCLot: 149295)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	101	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	101	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	105	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 149295) - continued									
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	96.2	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	106	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	96.4	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	98.6	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	102	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	99.6	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	103	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	99.2	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	102	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	103	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	98.0	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	105	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	99.2	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	100	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	103	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	100	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	116	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	103	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	105	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	106	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	101	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	105	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	104	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	105	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	109	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	113	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	96.1	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	94.9	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	101	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	98.4	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	93.9	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	99.9	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	102	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	106	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	103	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 148389)										
SK2100207-010	11-ROM-SR2_W3	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	MS-B
Anions and Nutrients (QCLot: 148390)										
SK2100207-010	11-ROM-SR2_W3	fluoride	16984-48-8	E235.F	1.18 mg/L	1 mg/L	118	75.0	125	----
Anions and Nutrients (QCLot: 148391)										
SK2100207-010	11-ROM-SR2_W3	nitrite (as N)	14797-65-0	E235.NO2	0.526 mg/L	0.5 mg/L	105	75.0	125	----
Anions and Nutrients (QCLot: 148392)										
SK2100207-010	11-ROM-SR2_W3	chloride	16887-00-6	E235.Cl	ND mg/L	100 mg/L	ND	75.0	125	MS-B
Anions and Nutrients (QCLot: 148393)										
SK2100207-010	11-ROM-SR2_W3	nitrate (as N)	14797-55-8	E235.NO3	ND mg/L	2.5 mg/L	ND	75.0	125	MS-B
Anions and Nutrients (QCLot: 148627)										
SK2100211-002	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	103 mg/L	100 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 149339)										
SK2100195-001	Anonymous	phosphorus, total	7723-14-0	E372-U	ND mg/L	0.0676 mg/L	ND	70.0	130	----
Anions and Nutrients (QCLot: 149662)										
RG2100015-005	Anonymous	ammonia, total (as N)	7664-41-7	E298	ND mg/L	0.1 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 149889)										
SK2100195-001	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	1.85 mg/L	2.5 mg/L	74.2	70.0	130	----
Dissolved Metals (QCLot: 149295)										
SK2100207-006	10-ROM-SR1_W2	aluminum, dissolved	7429-90-5	E421	0.225 mg/L	0.2 mg/L	112	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0192 mg/L	0.02 mg/L	96.2	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	ND mg/L	0.02 mg/L	ND	70.0	130	MS-B
		barium, dissolved	7440-39-3	E421	ND mg/L	0.02 mg/L	ND	70.0	130	MS-B
		beryllium, dissolved	7440-41-7	E421	0.0430 mg/L	0.04 mg/L	107	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00840 mg/L	0.01 mg/L	84.0	70.0	130	----
		boron, dissolved	7440-42-8	E421	ND mg/L	0.1 mg/L	ND	70.0	130	MS-B
		cadmium, dissolved	7440-43-9	E421	0.00365 mg/L	0.004 mg/L	91.2	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	MS-B
		cesium, dissolved	7440-46-2	E421	0.00959 mg/L	0.01 mg/L	95.9	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 149295) - continued										
SK2100207-006	10-ROM-SR1_W2	chromium, dissolved	7440-47-3	E421	0.0423 mg/L	0.04 mg/L	106	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0198 mg/L	0.02 mg/L	98.8	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0182 mg/L	0.02 mg/L	90.9	70.0	130	----
		iron, dissolved	7439-89-6	E421	2.01 mg/L	2 mg/L	100	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0170 mg/L	0.02 mg/L	85.1	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.110 mg/L	0.1 mg/L	110	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	MS-B
		manganese, dissolved	7439-96-5	E421	0.0198 mg/L	0.02 mg/L	99.0	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0204 mg/L	0.02 mg/L	102	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0386 mg/L	0.04 mg/L	96.6	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	11.8 mg/L	10 mg/L	118	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	MS-B
		rubidium, dissolved	7440-17-7	E421	ND mg/L	0.02 mg/L	ND	70.0	130	MS-B
		selenium, dissolved	7782-49-2	E421	0.0400 mg/L	0.04 mg/L	100.0	70.0	130	----
		silicon, dissolved	7440-21-3	E421	11.3 mg/L	10 mg/L	113	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00365 mg/L	0.004 mg/L	91.3	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	MS-B
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	MS-B
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	MS-B
		tellurium, dissolved	13494-80-9	E421	0.0362 mg/L	0.04 mg/L	90.5	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00338 mg/L	0.004 mg/L	84.6	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0191 mg/L	0.02 mg/L	95.6	70.0	130	----
		tin, dissolved	7440-31-5	E421	ND mg/L	0.02 mg/L	ND	70.0	130	MS-B
		titanium, dissolved	7440-32-6	E421	0.0457 mg/L	0.04 mg/L	114	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0190 mg/L	0.02 mg/L	95.2	70.0	130	----
		uranium, dissolved	7440-61-1	E421	ND mg/L	0.004 mg/L	ND	70.0	130	MS-B
		vanadium, dissolved	7440-62-2	E421	0.110 mg/L	0.1 mg/L	110	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.365 mg/L	0.4 mg/L	91.2	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0424 mg/L	0.04 mg/L	106	70.0	130	----

Qualifiers

Qualifier	Description
MS-B	*Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.*

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17

Page

Environmental Division Saskatoon

Work Order Reference

$K2100207

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact your AM to cor

Regular [R] ☑ Standard TAT if received by 3 pm - b

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business da | Same Day, We | (Laboratory op

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selected,

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only): | **ALS Contact:** | **Sampler:**

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK (F/P)	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	01_TSF_W5	15-Jan-21	9:30	Leachate	1				R					Y
	01_TSF_W6	21-Jan-21	12:45	Leachate	1				R					Y
	01_TSF_W7	28-Jan-21	13:30	Leachate	1				R					Y
	01_TSF_W8	4-Feb-21	8:50	Leachate	4		R	R		R	R	R		Y
	02-IF-PAG_W1	21-Jan-21	12:55	Leachate	1				R					Y
	02-IF-PAG_W2	28-Jan-21	13:55	Leachate	1				R					Y
	02-IF-PAG_W3	4-Feb-21	9:10	Leachate	1				R					Y
	03-SED-PAG_W1	21-Jan-21	13:20	Leachate	1				R					Y
	03-SED-PAG_W2	28-Jan-21	14:05	Leachate	1				R					Y
	03-SED-PAG_W3	4-Feb-21	9:40	Leachate	1				R					Y
	04-GAB-NPAG_W1	21-Jan-21	13:30	Leachate	1				R					Y
	04-GAB-NPAG_W2	28-Jan-21	14:15	Leachate	1				R					Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: February 4, 2021	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2018 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form.**

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Page

Environmental Division Saskatoon

Work Order Reference SK2100207

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Select Service Level Below - Contact your AM to confi

Regular [R] ☑ Standard TAT if received by 3 pm - bus

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day | Same Day, Week | (Laboratory oper

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selected, yo

Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

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Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	
ALS Lab Work Order # (lab use only):	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	
ALS Contact:	Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P								
	08-SED-PAG-CW_W3	4-Feb-21	11:00	Leachate	1				R					Y
	09-FZONE-NPAG_W1	21-Jan-21	14:15	Leachate	1				R					Y
	09-FZONE-NPAG_W2	28-Jan-21	14:55	Leachate	1				R					Y
	09-FZONE-NPAG_W3	4-Feb-21	11:30	Leachate	1				R					Y
	10-ROM-SR1_W1	21-Jan-21	15:00	Leachate	2		R	R						Y
	10-ROM-SR1_W2	28-Jan-21	15:12	Leachate	2		R	R						Y
	10-ROM-SR1_W3	4-Feb-21	11:40	Leachate	2		R	R						Y
	11-ROM-SR2_W1	21-Jan-21	15:10	Leachate	2		R	R						Y
	11-ROM-SR2_W2	28-Jan-21	15:25	Leachate	2		R	R						Y
	11-ROM-SR2_W3	4-Feb-21	12:00	Leachate	2		R	R						Y
				Leachate										
				Leachate										

Drinking Water (DW) Samples[1] (client use)

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☐ YES ☑ NO

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Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C	FINAL COOLER TEMPERATURES °C
8.6	

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: February 4, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by: JMT	Date: 04-Feb-21	Time: 2:45

FINAL SHIPMENT RECEPTION (lab use only)

Received by: JMT	Date:	Time: 3:00

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

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COC Number: 17

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Environmental Division Saskatoon

Work Order Reference SK2100207

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City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

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Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

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Select Service Level Below - Contact your AM to con

Regular [R] ☑ Standard TAT if received by 3 pm - b

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business da | Same Day, We | (Laboratory op

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selected,

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	Q83455	AFE/Cost Center:	PO#
Job #:	948-021	Major/Minor Code:	Routing Code:
PO / AFE:		Requisitioner:	
LSD:		Location:	
ALS Lab Work Order # (lab use only):		ALS Contact:	Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
							F/P							
	04-GAB-NPAG_W3	4-Feb-21	10:00	Leachate	1				R					Y
	05-SED-NPAG_W1	21-Jan-21	13:35	Leachate	1				R					Y
	05-SED-NPAG_W2	28-Jan-21	14:25	Leachate	1				R					Y
	05-SED-NPAG_W3	4-Feb-21	10:05	Leachate	1				R					Y
	06-IF-NPAG_W1	21-Jan-21	13:45	Leachate	1				R					Y
	06-IF-NPAG_W2	28-Jan-21	14:35	Leachate	1				R					Y
	06-IF-NPAG_W3	4-Feb-21	10:15	Leachate	1				R					Y
	07-IF-PAG-CW_W1	21-Jan-21	13:55	Leachate	1				R					Y
	07-IF-PAG-CW_W2	28-Jan-21	14:40	Leachate	1				R					Y
	07-IF-PAG-CW_W3	4-Feb-21	10:45	Leachate	1				R					Y
	08-SED-PAG-CW_W1	21-Jan-21	14:00	Leachate	1				R					Y
	08-SED-PAG-CW_W2	28-Jan-21	14:45	Leachate	1				R					Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

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Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: February 4, 2021	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2015 FRONT

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1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2100266**	Page	: 1 of 11
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: ----	Date Samples Received	: 12-Feb-2021 11:45
PO	: ----	Date Analysis Commenced	: 12-Feb-2021
C-O-C number	: ----	Issue Date	: 22-Feb-2021 11:17
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 11		
No. of samples analysed	: 11		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jorden Fanson	Analyst	Inorganics, Calgary, Alberta
Katrina Chudyk	Laboratory Analyst	Inorganics, Saskatoon, Saskatchewan
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Naeun Kim	Analyst	Inorganics, Calgary, Alberta
Rebeccah Baker	Analyst	Inorganics, Calgary, Alberta

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in reports identified as "Preliminary Report" are considered authorized for use.

Qualifiers

Qualifier	*Description*
DLCI	*Detection Limit Raised: Chromatographic interference due to co-elution.*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*
IB:INT	*Ion Balance Reviewed: Imbalance is due to interference or non-measured component.*

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W9	02-IF-PAG_W4	03-SED-PAG_W4	04-GAB-NPAG_W4	05-SED-NPAG_W4
					Client sampling date / time	11-Feb-2021 14:25	11-Feb-2021 14:35	11-Feb-2021 15:15	11-Feb-2021 15:35	11-Feb-2021 16:05
						SK2100266-001	SK2100266-002	SK2100266-003	SK2100266-004	SK2100266-005
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		----	86.3	103	47.1	83.0
conductivity	----	E100	2.0	µS/cm		----	1840	1770	1600	1480
pH	----	E108	0.10	pH units		----	7.96	7.92	8.11	7.99
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	162	145	192	158
bicarbonate	71-52-3	E290	1.0	mg/L		----	197	177	234	193
carbonate	3812-32-6	E290	1.0	mg/L		----	<1.0	<1.0	<1.0	<1.0
hydroxide	14280-30-9	E290	1.0	mg/L		----	<1.0	<1.0	<1.0	<1.0
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	1040	983	890	809
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	0.0947	0.0409	0.142	0.0792
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	<0.0020	<0.0020	<0.0020	<0.0020
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	0.596	0.411	0.594	0.430
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	393 DLDS	414 DLDS	345 DLDS	320 DLDS
fluoride	16984-48-8	E235.F	0.020	mg/L		----	0.375 DLDS	0.477 DLDS	0.462 DLDS	0.596 DLDS
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	0.243 DLDS	<0.100 DLDS	<0.100 DLDS	<0.040 DLDS
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<0.050 DLDS	<0.050 DLDS	<0.050 DLDS	<0.020 DLDS
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		6020 DLDS	122 DLDS	69.6 DLDS	44.7 DLDS	44.2 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	0.243	<0.112	<0.112	<0.0500
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	16.9	16.0	14.5	13.1
cation sum	----	EC101	0.10	meq/L		----	18.5	17.9	16.5	15.1
ion balance (cation-anion difference)	----	EC101	0.010	%		----	4.52	5.60 IB:INT	6.45 IB:INT	7.09 IB:INT
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	109	112	114	115
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.0104	0.0211	0.0433	0.0325
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	0.00462	0.00238	0.00305	0.00253
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	0.00154	0.00257	0.00868	0.0431
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.0493	0.0345	0.0289	0.0391
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.000020	<0.000020	<0.000020	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.000050	<0.000050	<0.000050	<0.000050

Analytical Results

Sub-Matrix: **Leachate** (Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W9	02-IF-PAG_W4	03-SED-PAG_W4	04-GAB-NPAG_W4	05-SED-NPAG_W4
					Client sampling date / time	11-Feb-2021 14:25	11-Feb-2021 14:35	11-Feb-2021 15:15	11-Feb-2021 15:35	11-Feb-2021 16:05
						SK2100266-001	SK2100266-002	SK2100266-003	SK2100266-004	SK2100266-005
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	0.118	0.064	0.115	0.093
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.0000132	<0.0000500 DLM	0.0000056	<0.0000500 DLM
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	18.6	21.3	10.6	16.8
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.000202	0.000080	0.000444	0.000138
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	0.00940	0.00955	0.0101	0.00887
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.00026	0.00036	0.00063	0.00072
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	0.00492	0.00338	0.00604	0.00377
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<0.030	<0.030	<0.030	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.000050	<0.000050	<0.000050	<0.000050
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.0110	0.0152	0.0145	0.0132
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	9.69	12.0	5.01	9.98
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	0.00852	0.00861	0.0122	0.0144
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0109	0.0853	0.0167	0.0280
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.00259	0.00216	0.00460	0.00481
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<0.050	<0.050	<0.050	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	12.3	14.1	9.51	16.9
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.0206	0.00708	0.0101	0.0107
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	0.00526	0.00683	0.00637	0.00445
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	3.26	2.76	2.55	2.83
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	<0.000010	<0.000010	0.000010	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	379	357	352	298
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	0.158	0.132	0.0531	0.124
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	47.5	27.7	18.0	18.2
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.00020	<0.00020	<0.00020	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.000015	0.000020	0.000039	0.000022
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.00010	<0.00010	<0.00010	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	0.00996	0.00424	0.00330	0.00830
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.00030	<0.00030	0.00040	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	0.00553	0.00090	0.00400	0.00278
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.0163	0.00510	0.0166	0.00869
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.00050	<0.00050	0.00577	0.00131

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W9	02-IF-PAG_W4	03-SED-PAG_W4	04-GAB-NPAG_W4	05-SED-NPAG_W4
					Client sampling date / time	11-Feb-2021 14:25	11-Feb-2021 14:35	11-Feb-2021 15:15	11-Feb-2021 15:35	11-Feb-2021 16:05
						SK2100266-001	SK2100266-002	SK2100266-003	SK2100266-004	SK2100266-005
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.0248	0.0146	0.0279	0.0320
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.00030	<0.00030	<0.00030	<0.00030
dissolved metals filtration location	----	EP421	-	-		----	Field	Field	Field	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate** (Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W4	07-IF-PAG-CW_W4	08-SED-PAG-CW_W4	09-FZONE-NPAG_W4	10-ROM-SR1_W4
					Client sampling date / time	11-Feb-2021 16:15	11-Feb-2021 16:25	11-Feb-2021 16:35	11-Feb-2021 16:50	11-Feb-2021 17:10
						SK2100266-006	SK2100266-007	SK2100266-008	SK2100266-009	SK2100266-010
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		101	10500	11500	119	212
conductivity	----	E100	2.0	µS/cm		1420	60300	64600	1600	1460
pH	----	E108	0.10	pH units		7.97	7.38	7.31	8.03	7.71
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		151	97.1	75.3	165	82.2
bicarbonate	71-52-3	E290	1.0	mg/L		185	118	91.9	202	100
carbonate	3812-32-6	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	<1.0
hydroxide	14280-30-9	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	<1.0
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		787	45500	49200	868	873
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.0124	2.13 DLM	2.19 DLM	0.0105	3.10 DLM
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		<0.0020	0.0112	0.0047	0.0048	<0.0020
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		0.383	2.79 DLM	2.64 DLM	0.363	2.76 DLM
chloride	16887-00-6	E235.Cl	0.50	mg/L		303 DLCI	26000 DLDS	28000 DLDS	335 DLDS	261 DLDS
fluoride	16984-48-8	E235.F	0.020	mg/L		<0.400 DLCI	<5.00 DLDS	<5.00 DLDS	0.508 DLDS	0.162 DLDS
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.400 DLCI	<5.00 DLDS	<5.00 DLDS	<0.200 DLDS	25.0 DLDS
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.200 DLCI	<2.50 DLDS	<2.50 DLDS	<0.100 DLDS	<0.050 DLDS
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		56.4 DLCI	2610 DLDS	2750 DLDS	66.1 DLDS	153 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.447	<5.59	<5.59	<0.224	25.0
Ion Balance										
anion sum	----	EC101	0.10	meq/L		12.7	790	849	14.2	14.0
cation sum	----	EC101	0.10	meq/L		14.6	798	876	16.0	13.7
ion balance (cation-anion difference)	----	EC101	0.010	%		6.96 IB:INT	0.504	1.56	5.96 IB:INT	1.08
ion balance (cations/anions ratio)	----	EC101	0.010	%		115	101	103	113	97.8
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0039	<0.0500 DLDS	<0.0500 DLDS	0.0326	0.0191
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00351	<0.00500 DLDS	0.00593 DLDS	0.0100	0.00067
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.00092	<0.00500 DLDS	<0.00500 DLDS	0.00530	0.0195
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0427	0.372 DLDS	0.310 DLDS	0.0408	0.0638
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	<0.00100 DLDS	<0.00100 DLDS	<0.000020	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	<0.00250 DLDS	<0.00250 DLDS	<0.000050	<0.000050
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.132	0.826 DLDS	0.815 DLDS	0.086	0.643

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W4	07-IF-PAG-CW_W4	08-SED-PAG-CW_W4	09-FZONE-NPAG_W4	10-ROM-SR1_W4
					Client sampling date / time	11-Feb-2021 16:15	11-Feb-2021 16:25	11-Feb-2021 16:35	11-Feb-2021 16:50	11-Feb-2021 17:10
						SK2100266-006	SK2100266-007	SK2100266-008	SK2100266-009	SK2100266-010
						Result	Result	Result	Result	Result
Dissolved Metals										
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		0.0000090	0.000789 DLDS	0.00335 DLDS	0.0000057	0.0000159
calcium, dissolved	7440-70-2	E421	0.050	mg/L		21.4	1410 DLDS	1540 DLDS	24.8	50.4
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000181	0.0120 DLDS	0.00891 DLDS	0.000020	0.000145
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		0.00729	<0.0250 DLDS	<0.0250 DLDS	0.0119	0.00178
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		<0.00010	<0.00500 DLDS	0.0250 DLDS	0.00023	0.00025
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00309	0.0149 DLDS	0.0148 DLDS	0.00736	0.00428
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	<1.50 DLDS	<1.50 DLDS	<0.030	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	<0.00250 DLDS	<0.00250 DLDS	<0.000050	0.000082
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0162	0.202 DLDS	0.239 DLDS	0.0099	0.0090
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		11.6	1690 DLDS	1860 DLDS	13.8	20.9
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		<0.00500	0.329 DLDS	0.346 DLDS	0.0130	0.0300
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.0121	0.0134 DLDS	0.0447 DLDS	0.0173	0.00684
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00184	0.0588 DLDS	0.220 DLDS	0.00354	0.00150
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	<2.50 DLDS	<2.50 DLDS	<0.050	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		14.1	388 DLDS	416 DLDS	14.0	11.8
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.0106	0.470 DLDS	0.231 DLDS	0.00396	0.00807
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.00458	0.00551 DLDS	0.00670 DLDS	0.00587	0.00114
silicon, dissolved	7440-21-3	E421	0.050	mg/L		3.68	4.08 DLDS	3.25 DLDS	3.55	2.59
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	0.000591 DLDS	<0.000500 DLDS	<0.000010	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		280	13300 DLDS	14600 DLDS	305	205
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.161	30.2 DLDS	32.5 DLDS	0.0926	0.356
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		23.7	967 DLDS	1040 DLDS	25.4	55.4
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	<0.0100 DLDS	<0.0100 DLDS	<0.00020	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000016	<0.000500 DLDS	0.000936 DLDS	0.000020	0.000016
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	<0.00500 DLDS	<0.00500 DLDS	<0.00010	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.00556	<0.00500 DLDS	<0.00500 DLDS	0.0464	0.0154
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	<0.0150 DLDS	<0.0150 DLDS	<0.00030	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00118	<0.00500 DLDS	<0.00500 DLDS	0.00060	0.00016
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.00512	0.0330 DLDS	0.0682 DLDS	0.00308	0.00227
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		<0.00050	<0.0250 DLDS	<0.0250 DLDS	0.00119	<0.00050
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0153	1.32 DLDS	0.601 DLDS	0.0052	0.0025

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W4	07-IF-PAG-CW_W4	08-SED-PAG-CW_W4	09-FZONE-NPAG_W4	10-ROM-SR1_W4
					Client sampling date / time	11-Feb-2021 16:15	11-Feb-2021 16:25	11-Feb-2021 16:35	11-Feb-2021 16:50	11-Feb-2021 17:10
						SK2100266-006	SK2100266-007	SK2100266-008	SK2100266-009	SK2100266-010
						Result	Result	Result	Result	Result
Dissolved Metals										
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	<0.0150 DLDS	<0.0150 DLDS	<0.00030	<0.00030
dissolved metals filtration location	----	EP421	-	-		Field	Field	Field	Field	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID: 11-ROM-SR2_W4	----	----	----	----
					Client sampling date / time: 11-Feb-2021 17:15	----	----	----	----
					SK2100266-011	--------	--------	--------	--------
					Result	----	----	----	----
Physical Tests									
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L	159	----	----	----	----
conductivity	----	E100	2.0	µS/cm	980	----	----	----	----
pH	----	E108	0.10	pH units	7.66	----	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	64.2	----	----	----	----
bicarbonate	71-52-3	E290	1.0	mg/L	78.4	----	----	----	----
carbonate	3812-32-6	E290	1.0	mg/L	<1.0	----	----	----	----
hydroxide	14280-30-9	E290	1.0	mg/L	<1.0	----	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L	555	----	----	----	----
Anions and Nutrients									
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.0065	----	----	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	<0.0020	----	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L	<0.200	----	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L	194	----	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L	0.139	----	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L	8.34	----	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L	0.066	----	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	78.9	----	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L	8.41	----	----	----	----
Ion Balance									
anion sum	----	EC101	0.10	meq/L	9.00	----	----	----	----
cation sum	----	EC101	0.10	meq/L	9.49	----	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%	2.65	----	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%	105	----	----	----	----
Dissolved Metals									
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L	0.0258	----	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L	0.00038	----	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L	0.0116	----	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L	0.0351	----	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L	<0.000020	----	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L	<0.000050	----	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L	0.160	----	----	----	----

Analytical Results

Sub-Matrix: **Leachate** (Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID: 11-ROM-SR2_W4	----	----	----	----
					Client sampling date / time: 11-Feb-2021 17:15	----	----	----	----
					SK2100266-011	--------	--------	--------	--------
					Result	----	----	----	----
Dissolved Metals									
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L	0.0000168	----	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L	36.9	----	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L	0.000052	----	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L	0.00191	----	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L	0.00039	----	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L	0.00343	----	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L	<0.030	----	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L	<0.000050	----	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L	0.0121	----	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L	16.2	----	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L	0.0832	----	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L	0.00353	----	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L	0.00106	----	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L	<0.050	----	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L	5.36	----	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L	0.00218	----	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L	0.000861	----	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L	2.18	----	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L	<0.000010	----	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L	142	----	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L	0.216	----	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L	30.2	----	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L	<0.00020	----	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L	<0.000010	----	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L	<0.00010	----	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L	0.0105	----	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L	<0.00030	----	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L	0.00016	----	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L	0.00104	----	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L	<0.00050	----	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L	0.0031	----	----	----	----

Analytical Results

Sub-Matrix: **Leachate** (Matrix: **Water**)					Client sample ID	**11-ROM-SR2_W4**	**----**	**----**	**----**	**----**
					Client sampling date / time	11-Feb-2021 17:15	----	----	----	----
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*		**SK2100266-011**	--------	--------	--------	--------
						Result	----	----	----	----
Dissolved Metals										
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	----
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2100266**	Page	: 1 of 20
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: ----	Date Samples Received	: 12-Feb-2021 11:45
PO	: ----	Issue Date	: 22-Feb-2021 11:17
C-O-C number	: ----		
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 11		
No. of samples analysed	: 11		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 15:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 15:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
02-IF-PAG_W4	E298	11-Feb-2021	16-Feb-2021	28 days	4 days	✓	16-Feb-2021	23 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
03-SED-PAG_W4	E298	11-Feb-2021	16-Feb-2021	28 days	4 days	✓	16-Feb-2021	23 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W4	E298	11-Feb-2021	16-Feb-2021	28 days	4 days	✓	16-Feb-2021	23 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W4	E298	11-Feb-2021	16-Feb-2021	28 days	4 days	✓	16-Feb-2021	23 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W4	E298	11-Feb-2021	16-Feb-2021	28 days	4 days	✓	16-Feb-2021	23 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W4	E298	11-Feb-2021	16-Feb-2021	28 days	4 days	✓	16-Feb-2021	23 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W4	E298	11-Feb-2021	16-Feb-2021	28 days	4 days	✓	16-Feb-2021	23 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 09-FZONE-NPAG_W4	E298	11-Feb-2021	16-Feb-2021	28 days	4 days	✓	16-Feb-2021	23 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 10-ROM-SR1_W4	E298	11-Feb-2021	16-Feb-2021	28 days	4 days	✓	16-Feb-2021	23 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 11-ROM-SR2_W4	E298	11-Feb-2021	16-Feb-2021	28 days	4 days	✓	16-Feb-2021	23 days	0 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 09-FZONE-NPAG_W4	E235.Cl	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 10-ROM-SR1_W4	E235.Cl	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 11-ROM-SR2_W4	E235.Cl	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 02-IF-PAG_W4	E235.Cl	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 03-SED-PAG_W4	E235.Cl	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 04-GAB-NPAG_W4	E235.Cl	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE										
05-SED-NPAG_W4	E235.Cl	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
06-IF-NPAG_W4	E235.Cl	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
07-IF-PAG-CW_W4	E235.Cl	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
08-SED-PAG-CW_W4	E235.Cl	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
09-FZONE-NPAG_W4	E235.F	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W4	E235.F	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W4	E235.F	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
02-IF-PAG_W4	E235.F	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
03-SED-PAG_W4	E235.F	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE 04-GAB-NPAG_W4	E235.F	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE 05-SED-NPAG_W4	E235.F	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE 06-IF-NPAG_W4	E235.F	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE 07-IF-PAG-CW_W4	E235.F	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE 08-SED-PAG-CW_W4	E235.F	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 09-FZONE-NPAG_W4	E235.NO3	11-Feb-2021	----	----	----		12-Feb-2021	3 days	0 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 10-ROM-SR1_W4	E235.NO3	11-Feb-2021	----	----	----		12-Feb-2021	3 days	0 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 11-ROM-SR2_W4	E235.NO3	11-Feb-2021	----	----	----		12-Feb-2021	3 days	0 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 02-IF-PAG_W4	E235.NO3	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓

Matrix: **Water**

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Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE 03-SED-PAG_W4	E235.NO3	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 04-GAB-NPAG_W4	E235.NO3	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 05-SED-NPAG_W4	E235.NO3	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 06-IF-NPAG_W4	E235.NO3	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 07-IF-PAG-CW_W4	E235.NO3	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 08-SED-PAG-CW_W4	E235.NO3	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 09-FZONE-NPAG_W4	E235.NO2	11-Feb-2021	----	----	----		12-Feb-2021	3 days	0 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 10-ROM-SR1_W4	E235.NO2	11-Feb-2021	----	----	----		12-Feb-2021	3 days	0 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 11-ROM-SR2_W4	E235.NO2	11-Feb-2021	----	----	----		12-Feb-2021	3 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
02-IF-PAG_W4	E235.NO2	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
03-SED-PAG_W4	E235.NO2	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
04-GAB-NPAG_W4	E235.NO2	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
05-SED-NPAG_W4	E235.NO2	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
06-IF-NPAG_W4	E235.NO2	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
07-IF-PAG-CW_W4	E235.NO2	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
08-SED-PAG-CW_W4	E235.NO2	11-Feb-2021	----	----	----		12-Feb-2021	3 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W4	E235.SO4	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W4	E235.SO4	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓

Matrix: **Water**

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Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W4	E235.SO4	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W9	E235.SO4	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W4	E235.SO4	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W4	E235.SO4	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W4	E235.SO4	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W4	E235.SO4	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W4	E235.SO4	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W4	E235.SO4	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W4	E235.SO4	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓

Matrix: **Water**

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Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 02-IF-PAG_W4	E318	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 03-SED-PAG_W4	E318	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 04-GAB-NPAG_W4	E318	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 05-SED-NPAG_W4	E318	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 06-IF-NPAG_W4	E318	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 07-IF-PAG-CW_W4	E318	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 08-SED-PAG-CW_W4	E318	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 09-FZONE-NPAG_W4	E318	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 10-ROM-SR1_W4	E318	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
11-ROM-SR2_W4	E318	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
02-IF-PAG_W4	E372-U	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
03-SED-PAG_W4	E372-U	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W4	E372-U	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W4	E372-U	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W4	E372-U	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W4	E372-U	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W4	E372-U	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W4	E372-U	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓

Matrix: **Water**

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Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
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Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
10-ROM-SR1_W4	E372-U	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
11-ROM-SR2_W4	E372-U	11-Feb-2021	17-Feb-2021	28 days	5 days	✓	17-Feb-2021	22 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
02-IF-PAG_W4	E421	11-Feb-2021	16-Feb-2021	180 days	4 days	✓	18-Feb-2021	175 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
03-SED-PAG_W4	E421	11-Feb-2021	16-Feb-2021	180 days	4 days	✓	18-Feb-2021	175 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
04-GAB-NPAG_W4	E421	11-Feb-2021	16-Feb-2021	180 days	4 days	✓	18-Feb-2021	175 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
05-SED-NPAG_W4	E421	11-Feb-2021	16-Feb-2021	180 days	4 days	✓	18-Feb-2021	175 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
06-IF-NPAG_W4	E421	11-Feb-2021	16-Feb-2021	180 days	4 days	✓	18-Feb-2021	175 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
07-IF-PAG-CW_W4	E421	11-Feb-2021	16-Feb-2021	180 days	4 days	✓	18-Feb-2021	175 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
08-SED-PAG-CW_W4	E421	11-Feb-2021	16-Feb-2021	180 days	4 days	✓	18-Feb-2021	175 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 09-FZONE-NPAG_W4	E421	11-Feb-2021	16-Feb-2021	180 days	4 days	✓	18-Feb-2021	175 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 10-ROM-SR1_W4	E421	11-Feb-2021	16-Feb-2021	180 days	4 days	✓	18-Feb-2021	175 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 11-ROM-SR2_W4	E421	11-Feb-2021	16-Feb-2021	180 days	4 days	✓	18-Feb-2021	175 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 08-SED-PAG-CW_W4	E290	11-Feb-2021	----	----	----		12-Feb-2021	14 days	0 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 09-FZONE-NPAG_W4	E290	11-Feb-2021	----	----	----		12-Feb-2021	14 days	0 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 10-ROM-SR1_W4	E290	11-Feb-2021	----	----	----		12-Feb-2021	14 days	0 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 11-ROM-SR2_W4	E290	11-Feb-2021	----	----	----		12-Feb-2021	14 days	0 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 02-IF-PAG_W4	E290	11-Feb-2021	----	----	----		12-Feb-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 03-SED-PAG_W4	E290	11-Feb-2021	----	----	----		12-Feb-2021	14 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Alkalinity Species by Titration										
HDPE										
04-GAB-NPAG_W4	E290	11-Feb-2021	----	----	----		12-Feb-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
05-SED-NPAG_W4	E290	11-Feb-2021	----	----	----		12-Feb-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
06-IF-NPAG_W4	E290	11-Feb-2021	----	----	----		12-Feb-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
07-IF-PAG-CW_W4	E290	11-Feb-2021	----	----	----		12-Feb-2021	14 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
08-SED-PAG-CW_W4	E100	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Physical Tests : Conductivity in Water										
HDPE										
09-FZONE-NPAG_W4	E100	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Physical Tests : Conductivity in Water										
HDPE										
10-ROM-SR1_W4	E100	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Physical Tests : Conductivity in Water										
HDPE										
11-ROM-SR2_W4	E100	11-Feb-2021	----	----	----		12-Feb-2021	28 days	0 days	✓
Physical Tests : Conductivity in Water										
HDPE										
02-IF-PAG_W4	E100	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE 03-SED-PAG_W4	E100	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 04-GAB-NPAG_W4	E100	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 05-SED-NPAG_W4	E100	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 06-IF-NPAG_W4	E100	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 07-IF-PAG-CW_W4	E100	11-Feb-2021	----	----	----		12-Feb-2021	28 days	1 days	✓
Physical Tests : pH by Meter										
HDPE 08-SED-PAG-CW_W4	E108	11-Feb-2021	----	----	----		12-Feb-2021	0.25 hrs	23 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 09-FZONE-NPAG_W4	E108	11-Feb-2021	----	----	----		12-Feb-2021	0.25 hrs	23 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 10-ROM-SR1_W4	E108	11-Feb-2021	----	----	----		12-Feb-2021	0.25 hrs	23 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W4	E108	11-Feb-2021	----	----	----		12-Feb-2021	0.25 hrs	23 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE 04-GAB-NPAG_W4	E108	11-Feb-2021	----	----	----		12-Feb-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 05-SED-NPAG_W4	E108	11-Feb-2021	----	----	----		12-Feb-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 06-IF-NPAG_W4	E108	11-Feb-2021	----	----	----		12-Feb-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 07-IF-PAG-CW_W4	E108	11-Feb-2021	----	----	----		12-Feb-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 02-IF-PAG_W4	E108	11-Feb-2021	----	----	----		12-Feb-2021	0.25 hrs	25 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 03-SED-PAG_W4	E108	11-Feb-2021	----	----	----		12-Feb-2021	0.25 hrs	25 hrs	× EHTR-FM

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	151103	1	14	7.1	5.0	✓
Ammonia by Fluorescence	E298	151547	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	151107	1	11	9.0	5.0	✓
Conductivity in Water	E100	151102	1	14	7.1	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	151580	1	13	7.6	5.0	✓
Fluoride in Water by IC	E235.F	151104	1	11	9.0	5.0	✓
Nitrate in Water by IC	E235.NO3	151108	1	11	9.0	5.0	✓
Nitrite in Water by IC	E235.NO2	151105	1	11	9.0	5.0	✓
pH by Meter	E108	151101	1	14	7.1	5.0	✓
Sulfate in Water by IC	E235.SO4	151106	1	12	8.3	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	151469	1	12	8.3	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	151697	1	16	6.2	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	151103	1	14	7.1	5.0	✓
Ammonia by Fluorescence	E298	151547	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	151107	1	11	9.0	5.0	✓
Conductivity in Water	E100	151102	1	14	7.1	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	151580	1	13	7.6	5.0	✓
Fluoride in Water by IC	E235.F	151104	1	11	9.0	5.0	✓
Nitrate in Water by IC	E235.NO3	151108	1	11	9.0	5.0	✓
Nitrite in Water by IC	E235.NO2	151105	1	11	9.0	5.0	✓
pH by Meter	E108	151101	1	14	7.1	5.0	✓
Sulfate in Water by IC	E235.SO4	151106	1	12	8.3	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	151469	1	12	8.3	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	151697	1	16	6.2	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	151103	1	14	7.1	5.0	✓
Ammonia by Fluorescence	E298	151547	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	151107	1	11	9.0	5.0	✓
Conductivity in Water	E100	151102	1	14	7.1	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	151580	1	13	7.6	5.0	✓
Fluoride in Water by IC	E235.F	151104	1	11	9.0	5.0	✓
Nitrate in Water by IC	E235.NO3	151108	1	11	9.0	5.0	✓
Nitrite in Water by IC	E235.NO2	151105	1	11	9.0	5.0	✓
Sulfate in Water by IC	E235.SO4	151106	1	12	8.3	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	151469	1	12	8.3	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	151697	1	16	6.2	5.0	✓

Matrix: **Water**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	151547	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	151107	1	11	9.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	151580	1	13	7.6	5.0	✓
Fluoride in Water by IC	E235.F	151104	1	11	9.0	5.0	✓
Nitrate in Water by IC	E235.NO3	151108	1	11	9.0	5.0	✓
Nitrite in Water by IC	E235.NO2	151105	1	11	9.0	5.0	✓
Sulfate in Water by IC	E235.SO4	151106	1	12	8.3	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	151469	1	12	8.3	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	151697	1	16	6.2	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Calgary - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U Calgary - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	"Hardness (as CaCO3), dissolved" is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Calgary - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.
Digestion for Total Phosphorus in water	EP372 Calgary - Environmental	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.

QUALITY CONTROL REPORT

Work Order	: **SK2100266**	Page	: 1 of 10
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: ----	Date Samples Received	: 12-Feb-2021 11:45
PO	: ----	Date Analysis Commenced	: 12-Feb-2021
C-O-C number	: ----	Issue Date	: 22-Feb-2021 11:17
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 11		
No. of samples analysed	: 11		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jorden Fanson	Analyst	Inorganics, Calgary, Alberta
Katrina Chudyk	Laboratory Analyst	Inorganics, Saskatoon, Saskatchewan
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Naeun Kim	Analyst	Inorganics, Calgary, Alberta
Rebeccah Baker	Analyst	Inorganics, Calgary, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 151101)											
SK2100268-003	Anonymous	pH	----	E108	0.10	pH units	7.78	7.78	0.00884%	3%	----
Physical Tests (QC Lot: 151102)											
SK2100268-003	Anonymous	conductivity	----	E100	2.0	µS/cm	1190	1170	1.52%	10%	----
Physical Tests (QC Lot: 151103)											
SK2100268-003	Anonymous	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	351	347	1.26%	20%	----
Anions and Nutrients (QC Lot: 151104)											
RG2100025-001	Anonymous	fluoride	16984-48-8	E235.F	0.100	mg/L	0.299	0.297	0.002	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 151105)											
RG2100025-001	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 151106)											
RG2100025-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	1.50	mg/L	801	802	0.0722%	20%	----
Anions and Nutrients (QC Lot: 151107)											
RG2100025-001	Anonymous	chloride	16887-00-6	E235.Cl	2.50	mg/L	145	145	0.122%	20%	----
Anions and Nutrients (QC Lot: 151108)											
RG2100025-001	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	0.100	mg/L	<0.100	<0.100	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 151469)											
RG2100026-002	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	1.00	mg/L	11.0	9.88	1.09	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 151547)											
CG2100139-001	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	<0.0050	<0.0050	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 151697)											
RG2100025-001	Anonymous	phosphorus, total	7723-14-0	E372-U	0.200	mg/L	4.03	3.88	3.94%	20%	----
Dissolved Metals (QC Lot: 151580)											
SK2100265-001	Anonymous	aluminum, dissolved	7429-90-5	E421	0.0010	mg/L	0.0226	0.0237	4.46%	20%	----
		antimony, dissolved	7440-36-0	E421	0.00010	mg/L	0.00021	0.00020	0.00002	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00010	mg/L	0.00027	0.00028	0.000005	Diff <2x LOR	----
		barium, dissolved	7440-39-3	E421	0.00010	mg/L	0.0243	0.0238	1.75%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.010	mg/L	0.024	0.023	0.0002	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L	<0.0000050	<0.0000050	0	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	0.050	mg/L	29.2	29.8	1.97%	20%	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 151580) - continued											
SK2100265-001	Anonymous	cesium, dissolved	7440-46-2	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00020	mg/L	0.00925	0.00910	1.64%	20%	----
		iron, dissolved	7439-89-6	E421	0.010	mg/L	<0.010	<0.010	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0010	mg/L	0.0096	0.0095	0.0001	Diff <2x LOR	----
		magnesium, dissolved	7439-95-4	E421	0.0050	mg/L	16.4	16.0	1.98%	20%	----
		manganese, dissolved	7439-96-5	E421	0.00010	mg/L	0.00045	0.00041	0.00004	Diff <2x LOR	----
		molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L	0.00172	0.00168	2.43%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00050	mg/L	0.00168	0.00165	0.00002	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	0.050	mg/L	3.42	3.38	1.20%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00020	mg/L	0.00145	0.00132	0.00012	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.000050	mg/L	0.000456	0.000380	0.000076	Diff <2x LOR	----
		silicon, dissolved	7440-21-3	E421	0.050	mg/L	0.987	0.994	0.711%	20%	----
		silver, dissolved	7440-22-4	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	0.050	mg/L	24.4	24.0	1.98%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00020	mg/L	0.190	0.188	1.31%	20%	----
		sulfur, dissolved	7704-34-9	E421	0.50	mg/L	28.6	28.2	1.37%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000010	mg/L	0.00117	0.00116	0.983%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0010	mg/L	0.0017	0.0018	0.00004	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 151102)						
conductivity	----	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 151103)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 151104)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 151105)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 151106)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 151107)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 151108)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 151469)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 151547)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 151697)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 151580)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 151580) - continued						
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 151101)									
pH	----	E108	----	pH units	6.86 pH units	99.8	98.0	102	----
Physical Tests (QCLot: 151102)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	100	90.0	110	----
Physical Tests (QCLot: 151103)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	97.8	85.0	115	----
Anions and Nutrients (QCLot: 151104)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 151105)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 151106)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 151107)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 151108)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 151469)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	91.7	75.0	125	----
Anions and Nutrients (QCLot: 151547)									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.1 mg/L	88.8	85.0	115	----
Anions and Nutrients (QCLot: 151697)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.32 mg/L	91.4	80.0	120	----
Dissolved Metals (QCLot: 151580)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	102	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	102	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	99.8	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	102	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	100	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	99.8	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	99.1	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	102	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	96.5	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	99.0	80.0	120	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report: Spike Concentration	Recovery (%): LCS	Recovery Limits (%): Low	Recovery Limits (%): High	Qualifier
Dissolved Metals (QCLot: 151580) - continued									
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	99.6	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	96.1	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	95.4	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	108	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	104	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	93.5	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	105	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	98.9	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	99.1	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	94.6	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	99.9	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	92.3	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	95.9	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	98.2	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	102	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	103	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	105	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	103	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	101	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	94.3	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	98.5	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	97.7	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	96.4	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	93.4	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	103	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	106	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	97.9	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	98.4	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	95.8	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 151104)										
SK2100266-002	02-IF-PAG_W4	fluoride	16984-48-8	E235.F	0.947 mg/L	1 mg/L	94.7	75.0	125	----
Anions and Nutrients (QCLot: 151105)										
SK2100266-002	02-IF-PAG_W4	nitrite (as N)	14797-65-0	E235.NO2	0.486 mg/L	0.5 mg/L	97.2	75.0	125	----
Anions and Nutrients (QCLot: 151106)										
SK2100266-002	02-IF-PAG_W4	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 151107)										
SK2100266-002	02-IF-PAG_W4	chloride	16887-00-6	E235.Cl	ND mg/L	100 mg/L	ND	75.0	125	MS-B
Anions and Nutrients (QCLot: 151108)										
SK2100266-002	02-IF-PAG_W4	nitrate (as N)	14797-55-8	E235.NO3	2.57 mg/L	2.5 mg/L	103	75.0	125	----
Anions and Nutrients (QCLot: 151469)										
RG2100026-002	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	ND mg/L	2.5 mg/L	ND	70.0	130	----
Anions and Nutrients (QCLot: 151547)										
CG2100139-002	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.105 mg/L	0.1 mg/L	105	75.0	125	----
Anions and Nutrients (QCLot: 151697)										
RG2100026-001	Anonymous	phosphorus, total	7723-14-0	E372-U	ND mg/L	0.0676 mg/L	ND	70.0	130	----
Dissolved Metals (QCLot: 151580)										
SK2100265-003	Anonymous	aluminum, dissolved	7429-90-5	E421	0.200 mg/L	0.2 mg/L	99.9	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0206 mg/L	0.02 mg/L	103	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0198 mg/L	0.02 mg/L	99.2	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.02 mg/L	ND	70.0	130	MS-B
		beryllium, dissolved	7440-41-7	E421	0.0391 mg/L	0.04 mg/L	97.8	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00962 mg/L	0.01 mg/L	96.2	70.0	130	----
		boron, dissolved	7440-42-8	E421	0.095 mg/L	0.1 mg/L	95.0	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00385 mg/L	0.004 mg/L	96.2	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	MS-B
		cesium, dissolved	7440-46-2	E421	0.00985 mg/L	0.01 mg/L	98.5	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0386 mg/L	0.04 mg/L	96.4	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0186 mg/L	0.02 mg/L	92.8	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0185 mg/L	0.02 mg/L	92.3	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 151580) - continued										
SK2100265-003	Anonymous	iron, dissolved	7439-89-6	E421	1.91 mg/L	2 mg/L	95.6	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0200 mg/L	0.02 mg/L	99.8	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.0902 mg/L	0.1 mg/L	90.2	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	MS-B
		manganese, dissolved	7439-96-5	E421	0.0186 mg/L	0.02 mg/L	92.8	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0198 mg/L	0.02 mg/L	99.0	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0364 mg/L	0.04 mg/L	91.0	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	9.96 mg/L	10 mg/L	99.6	70.0	130	----
		potassium, dissolved	7440-09-7	E421	3.82 mg/L	4 mg/L	95.4	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0197 mg/L	0.02 mg/L	98.7	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0419 mg/L	0.04 mg/L	105	70.0	130	----
		silicon, dissolved	7440-21-3	E421	9.13 mg/L	10 mg/L	91.3	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00395 mg/L	0.004 mg/L	98.8	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	MS-B
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	MS-B
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	MS-B
		tellurium, dissolved	13494-80-9	E421	0.0379 mg/L	0.04 mg/L	94.7	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00362 mg/L	0.004 mg/L	90.4	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0198 mg/L	0.02 mg/L	99.3	70.0	130	----
		tin, dissolved	7440-31-5	E421	0.0190 mg/L	0.02 mg/L	94.8	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0402 mg/L	0.04 mg/L	100	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0204 mg/L	0.02 mg/L	102	70.0	130	----
		uranium, dissolved	7440-61-1	E421	0.00416 mg/L	0.004 mg/L	104	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.0963 mg/L	0.1 mg/L	96.3	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.377 mg/L	0.4 mg/L	94.3	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0389 mg/L	0.04 mg/L	97.4	70.0	130	----

Qualifiers

Qualifier	Description
MS-B	*Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.*

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Page 1

Environmental Division Saskatoon

Work Order Reference SK2100266

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact your AM to confirm a

Regular [R] ☑ Standard TAT if received by 3 pm - business

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - | Same Day, Weekend (Laboratory opening

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selected, you will be contacted.

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only):

ALS Contact:

Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	F/P	BR-IC-N-CL	MET-D-CCMS-SK	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	01_TSF_W9	11-Feb-21	14:25	Leachate	1					R					Y
	02-IF-PAG_W4	11-Feb-21	14:35	Leachate	3			R	R				R		Y
	03-SED-PAG_W4	11-Feb-21	15:15	Leachate	3			R	R				R		Y
	04-GAB-NPAG_W4	11-Feb-21	15:35	Leachate	3			R	R				R		Y
	05-SED-NPAG_W4	11-Feb-21	16:05	Leachate	3			R	R				R		Y
	06-IF-NPAG_W4	11-Feb-21	16:15	Leachate	3			R	R				R		Y
	07-IF-PAG-CW_W4	11-Feb-21	16:25	Leachate	3			R	R				R		Y
	08-SED-PAG-CW_W4	11-Feb-21	16:35	Leachate	3			R	R				R		Y
	09-FZONE-NPAG_W4	11-Feb-21	16:50	Leachate	3			R	R				R		Y
	10-ROM-SR1_W4	11-Feb-21	17:10	Leachate	3			R	R				R		Y
	11-ROM-SR2_W4	11-Feb-21	17:15	Leachate	3			R	R				R		Y
															Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
10.8							

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: February 12, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:
	12-2-21	1145

FINAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2018 FRONT

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2100585**	Page	: 1 of 29
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 11-Mar-2021 16:55
PO	: ----	Date Analysis Commenced	: 12-Mar-2021
C-O-C number	: ----	Issue Date	: 19-Mar-2021 09:30
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 44		
No. of samples analysed	: 44		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Descriptive Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Dwayne Bennett	Technical Specialist	Inorganics, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jorden Fanson	Analyst	Inorganics, Calgary, Alberta
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Naeun Kim	Analyst	Inorganics, Calgary, Alberta
Nancy Cruse	Laboratory _ Supervisor	Inorganics, Saskatoon, Saskatchewan
Rebeccah Baker	Analyst	Inorganics, Calgary, Alberta
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLHC	*Detection Limit Raised: Dilution required due to high concentration of test analyte(s).*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*
SFP	*Sample was filtered and preserved at the laboratory.*

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W10	01_TSF_W11	01_TSF_W12	01_TSF_W13	02-IF-PAG_W5
					Client sampling date / time	18-Feb-2021 13:30	25-Feb-2021 11:00	04-Mar-2021 10:25	11-Mar-2021 13:40	18-Feb-2021 13:40
						SK2100585-001	SK2100585-002	SK2100585-003	SK2100585-004	SK2100585-005
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		----	----	2590	----	----
conductivity	----	E100	2.0	µS/cm		----	----	31500	----	----
pH	----	E108	0.10	pH units		----	----	7.91	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	247	----	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	----	301	----	----
carbonate	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	22400	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	30.7 DLM	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		----	<20.0 DLDS	<20.0 DLDS	21.6 DLDS	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	6630 DLDS	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<4.00 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	478 DLDS	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	2.90 DLDS	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		4910 DLDS	4990 DLDS	5400 DLDS	6150 DLDS	144 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	481	----	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		----	----	0.539	----	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		----	----	0.0850	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	339	----	----
cation sum	----	EC101	0.10	meq/L		----	----	354	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	2.16	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	104	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00546 DLDS	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.373 DLDS	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W10	01_TSF_W11	01_TSF_W12	01_TSF_W13	02-IF-PAG_W5
					Client sampling date / time	18-Feb-2021 13:30	25-Feb-2021 11:00	04-Mar-2021 10:25	11-Mar-2021 13:40	18-Feb-2021 13:40
						SK2100585-001	SK2100585-002	SK2100585-003	SK2100585-004	SK2100585-005
						Result	Result	Result	Result	Result
Dissolved Metals										
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0820 DLDS	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.00100 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	1.74 DLDS	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.000776 DLDS	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	826 DLDS	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	<0.000500 DLDS	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	1.07 DLDS	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.186 DLDS	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<1.50 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	128 DLDS	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	3.15 DLDS	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.469 DLDS	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<2.50 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	541 DLDS	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.0545 DLDS	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.0568 DLDS	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	4.57 DLDS	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.0148 DLDS	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	6590 DLDS	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	2.87 DLDS	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	3480 DLDS	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.0100 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.000500 DLDS	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W10	01_TSF_W11	01_TSF_W12	01_TSF_W13	02-IF-PAG_W5
					Client sampling date / time	18-Feb-2021 13:30	25-Feb-2021 11:00	04-Mar-2021 10:25	11-Mar-2021 13:40	18-Feb-2021 13:40
						SK2100585-001	SK2100585-002	SK2100585-003	SK2100585-004	SK2100585-005
						Result	Result	Result	Result	Result
Dissolved Metals										
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00704 DLDS	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W6	02-IF-PAG_W7	02-IF-PAG_W8	03-SED-PAG_W5	03-SED-PAG_W6
					Client sampling date / time	25-Feb-2021 11:05	04-Mar-2021 10:35	11-Mar-2021 13:55	18-Feb-2021 13:50	25-Feb-2021 13:05
						SK2100585-006	SK2100585-007	SK2100585-008	SK2100585-009	SK2100585-010
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		----	----	72.2	----	----
conductivity	----	E100	2.0	µS/cm		----	----	1380	----	----
pH	----	E108	0.10	pH units		----	----	8.17	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	156	----	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	----	191	----	----
carbonate	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	768	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	0.242	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		<5.00 DLDS, DLM	2.34 DLDS	2.94 DLDS, DLM	----	<1.00 DLDS
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	0.718	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	246 DLDS, DLM	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<0.400 DLDS, DLM	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	0.479 DLDS, DLM	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<0.200 DLDS, DLM	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		134 DLDS, DLM	135 DLDS	125 DLDS, DLM	79.9 DLDS	85.2 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	0.479	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	12.7	----	----
cation sum	----	EC101	0.10	meq/L		----	----	12.9	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	0.781	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	102	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	0.0170	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00621	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.00161	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0331	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000020	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000050	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W6	02-IF-PAG_W7	02-IF-PAG_W8	03-SED-PAG_W5	03-SED-PAG_W6
					Client sampling date / time	25-Feb-2021 11:05	04-Mar-2021 10:35	11-Mar-2021 13:55	18-Feb-2021 13:50	25-Feb-2021 13:05
						SK2100585-006	SK2100585-007	SK2100585-008	SK2100585-009	SK2100585-010
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.117	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.0000109	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	15.2	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.000130	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	0.00239	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	0.00074	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00372	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.030	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.000050	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.0099	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	8.33	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	0.00651	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.0100	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.00199	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.050	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	10.6	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.0112	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.00325	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	3.60	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	<0.000010	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	257	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	0.0911	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	48.3	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00020	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	0.000012	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00010	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00653	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00030	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	0.00505	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.0133	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00050	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W6	02-IF-PAG_W7	02-IF-PAG_W8	03-SED-PAG_W5	03-SED-PAG_W6
					Client sampling date / time	25-Feb-2021 11:05	04-Mar-2021 10:35	11-Mar-2021 13:55	18-Feb-2021 13:50	25-Feb-2021 13:05
						SK2100585-006	SK2100585-007	SK2100585-008	SK2100585-009	SK2100585-010
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.0447	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00030	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W7	03-SED-PAG_W8	04-GAB-NPAG-W5	04-GAB-NPAG-W6	04-GAB-NPAG-W7
					Client sampling date / time	04-Mar-2021 11:05	11-Mar-2021 14:10	18-Feb-2021 14:00	25-Feb-2021 13:20	04-Mar-2021 11:15
						SK2100585-011	SK2100585-012	SK2100585-013	SK2100585-014	SK2100585-015
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		----	107	----	----	----
conductivity	----	E100	2.0	µS/cm		----	1540	----	----	----
pH	----	E108	0.10	pH units		----	8.18	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	173	----	----	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	211	----	----	----
carbonate	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	852	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	0.0111	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		1.25 DLDS	1.80 DLDS	----	<0.50 DLDS	0.75 DLDS
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	0.0080	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	0.396	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	312 DLDS	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	0.532 DLDS	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<0.100 DLDS	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<0.050 DLDS	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		90.0 DLDS	90.1 DLDS	50.3 DLDS	52.7 DLDS	55.1 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<0.112	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	14.2	----	----	----
cation sum	----	EC101	0.10	meq/L		----	15.0	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	2.74	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	106	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.0247	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	0.00206	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	0.00212	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.0326	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.000020	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.000050	----	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W7	03-SED-PAG_W8	04-GAB-NPAG-W5	04-GAB-NPAG-W6	04-GAB-NPAG-W7
					Client sampling date / time	04-Mar-2021 11:05	11-Mar-2021 14:10	18-Feb-2021 14:00	25-Feb-2021 13:20	04-Mar-2021 11:15
						SK2100585-011	SK2100585-012	SK2100585-013	SK2100585-014	SK2100585-015
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	0.085	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	<0.0000500 DLM	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	22.8	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.000070	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	0.00349	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.00042	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	0.00246	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<0.030	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.000050	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.0192	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	12.2	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	0.0111	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0784	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.00203	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<0.050	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	15.7	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.00528	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	0.00533	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	3.32	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	<0.000010	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	286	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	0.112	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	35.5	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.00020	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.000020	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.00010	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	0.00389	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.00030	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	0.00060	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.00595	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.00050	----	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W7	03-SED-PAG_W8	04-GAB-NPAG-W5	04-GAB-NPAG-W6	04-GAB-NPAG-W7
					Client sampling date / time	04-Mar-2021 11:05	11-Mar-2021 14:10	18-Feb-2021 14:00	25-Feb-2021 13:20	04-Mar-2021 11:15
						SK2100585-011	SK2100585-012	SK2100585-013	SK2100585-014	SK2100585-015
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.0212	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.00030	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG-W8	05-SED-NPAG_W5	05-SED-NPAG_W6	05-SED-NPAG_W7	05-SED-NPAG_W8
					Client sampling date / time	11-Mar-2021 14:20	18-Feb-2021 14:15	25-Feb-2021 13:45	04-Mar-2021 11:40	11-Mar-2021 14:35
						SK2100585-016	SK2100585-017	SK2100585-018	SK2100585-019	SK2100585-020
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		50.7	----	----	----	79.6
conductivity	----	E100	2.0	µS/cm		1360	----	----	----	1220
pH	----	E108	0.10	pH units		8.32	----	----	----	8.21
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		236	----	----	----	165
bicarbonate	71-52-3	E290	1.0	mg/L		287	----	----	----	202
carbonate	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	<1.0
hydroxide	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	<1.0
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		746	----	----	----	671
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.0452	----	----	----	0.0571
bromide	24959-67-9	E235.Br	0.10	mg/L		1.92 DLDS	----	<0.50 DLDS	1.16 DLDS	1.74 DLDS
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		<0.0020	----	----	----	<0.0020
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		1.18	----	----	----	1.81
chloride	16887-00-6	E235.Cl	0.50	mg/L		244 DLDS	----	----	----	248 DLDS
fluoride	16984-48-8	E235.F	0.020	mg/L		0.434 DLDS	----	----	----	0.535 DLDS
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		0.220 DLDS	----	----	----	<0.100 DLDS
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.100 DLDS	----	----	----	<0.050 DLDS
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		48.4 DLDS	47.7 DLDS	48.7 DLDS	49.4 DLDS	48.8 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.224	----	----	----	<0.112
Ion Balance										
anion sum	----	EC101	0.10	meq/L		12.6	----	----	----	11.3
cation sum	----	EC101	0.10	meq/L		13.3	----	----	----	11.8
ion balance (cation-anion difference)	----	EC101	0.010	%		2.70	----	----	----	2.16
ion balance (cations/anions ratio)	----	EC101	0.010	%		106	----	----	----	104
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0255	----	----	----	0.0397
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00274	----	----	----	0.00200
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.00909	----	----	----	0.0641
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0290	----	----	----	0.0291
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG-W8	05-SED-NPAG_W5	05-SED-NPAG_W6	05-SED-NPAG_W7	05-SED-NPAG_W8
					Client sampling date / time	11-Mar-2021 14:20	18-Feb-2021 14:15	25-Feb-2021 13:45	04-Mar-2021 11:40	11-Mar-2021 14:35
						SK2100585-016	SK2100585-017	SK2100585-018	SK2100585-019	SK2100585-020
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.131	----	----	----	0.097
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		0.0000061	----	----	----	0.0000174
calcium, dissolved	7440-70-2	E421	0.050	mg/L		11.8	----	----	----	16.4
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000410	----	----	----	0.000109
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		0.00542	----	----	----	0.00379
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00082	----	----	----	0.00074
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00440	----	----	----	0.00277
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0156	----	----	----	0.0147
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		5.15	----	----	----	9.38
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.0224	----	----	----	0.00942
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.0138	----	----	----	0.0236
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00302	----	----	----	0.00385
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		9.41	----	----	----	14.9
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00862	----	----	----	0.00628
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.00497	----	----	----	0.00334
silicon, dissolved	7440-21-3	E421	0.050	mg/L		3.16	----	----	----	3.15
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		276	----	----	----	225
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0440	----	----	----	0.0814
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		20.4	----	----	----	19.4
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000037	----	----	----	0.000018
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.00363	----	----	----	0.00643
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00270	----	----	----	0.00160
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.0178	----	----	----	0.00684
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00560	----	----	----	0.00141

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG-W8	05-SED-NPAG_W5	05-SED-NPAG_W6	05-SED-NPAG_W7	05-SED-NPAG_W8
					Client sampling date / time	11-Mar-2021 14:20	18-Feb-2021 14:15	25-Feb-2021 13:45	04-Mar-2021 11:40	11-Mar-2021 14:35
						SK2100585-016	SK2100585-017	SK2100585-018	SK2100585-019	SK2100585-020
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.114	----	----	----	0.0567
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate** (Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W5	06-IF-NPAG_W6	06-IF-NPAG_W7	06-IF-NPAG_W8	07-IF-PAG-CW_W5
					Client sampling date / time	18-Feb-2021 14:25	25-Feb-2021 13:50	04-Mar-2021 11:50	11-Mar-2021 15:15	18-Feb-2021
						SK2100585-021	SK2100585-022	SK2100585-023	SK2100585-024	SK2100585-025
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		----	----	----	96.7	----
conductivity	----	E100	2.0	µS/cm		----	----	----	1180	----
pH	----	E108	0.10	pH units		----	----	----	8.17	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	----	158	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	----	----	193	----
carbonate	3812-32-6	E290	1.0	mg/L		----	----	----	<1.0	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	----	----	<1.0	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	----	656	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	0.0095	----
bromide	24959-67-9	E235.Br	0.10	mg/L		----	<0.50 DLDS	0.63 DLDS	1.56 DLDS	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	----	<0.0020	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	----	0.569	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	----	231 DLDS	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	----	0.403 DLDS	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	----	<0.100 DLDS	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	----	<0.050 DLDS	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		67.1 DLDS	66.6 DLDS	66.1 DLDS	61.0 DLDS	2450 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	----	<0.112	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	----	11.0	----
cation sum	----	EC101	0.10	meq/L		----	----	----	11.4	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	----	1.78	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	----	104	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0071	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.00565	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.00157	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0399	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000050	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W5	06-IF-NPAG_W6	06-IF-NPAG_W7	06-IF-NPAG_W8	07-IF-PAG-CW_W5
					Client sampling date / time	18-Feb-2021 14:25	25-Feb-2021 13:50	04-Mar-2021 11:50	11-Mar-2021 15:15	18-Feb-2021
						SK2100585-021	SK2100585-022	SK2100585-023	SK2100585-024	SK2100585-025
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.141	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	0.0000087	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	----	21.9	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	0.000150	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	0.00201	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	<0.00010	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00209	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	----	<0.030	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0225	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	----	10.2	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	----	0.00639	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.00988	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	0.00171	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.050	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	----	20.2	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.0143	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.00344	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	4.12	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	----	205	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	0.173	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	23.5	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	0.000018	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00010	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00541	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	0.00173	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.00513	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00050	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W5	06-IF-NPAG_W6	06-IF-NPAG_W7	06-IF-NPAG_W8	07-IF-PAG-CW_W5
					Client sampling date / time	18-Feb-2021 14:25	25-Feb-2021 13:50	04-Mar-2021 11:50	11-Mar-2021 15:15	18-Feb-2021
						SK2100585-021	SK2100585-022	SK2100585-023	SK2100585-024	SK2100585-025
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0409	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00030	----
dissolved metals filtration location	----	EP421	-	-		----	----	----	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W6	07-IF-PAG-CW_W7	07-IF-PAG-CW_W8	08-SED-PAG-CW_W5	08-SED-PAG-CW_W6
					Client sampling date / time	25-Feb-2021 14:00	04-Mar-2021 13:00	11-Mar-2021 14:55	18-Feb-2021 15:20	25-Feb-2021 14:15
						SK2100585-026	SK2100585-027	SK2100585-028	SK2100585-029	SK2100585-030
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		----	----	11600	----	----
conductivity	----	E100	2.0	µS/cm		----	----	65700	----	----
pH	----	E108	0.10	pH units		----	----	7.48	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	69.8	----	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	----	85.1	----	----
carbonate	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	47300	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	2.25 DLM	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		96.3 DLDS	122 DLDS	305 DLDS	----	101 DLDS
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	29.6 DLHC	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	27400 DLDS	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<6.00 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<6.00 DLDS	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<3.00 DLDS	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		2610 DLDS	2630 DLDS	2750 DLDS	2600 DLDS	2740 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<6.71	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	832	----	----
cation sum	----	EC101	0.10	meq/L		----	----	816	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	0.971	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	98.1	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.248 DLDS	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.00100 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W6	07-IF-PAG-CW_W7	07-IF-PAG-CW_W8	08-SED-PAG-CW_W5	08-SED-PAG-CW_W6
					Client sampling date / time	25-Feb-2021 14:00	04-Mar-2021 13:00	11-Mar-2021 14:55	18-Feb-2021 15:20	25-Feb-2021 14:15
						SK2100585-026	SK2100585-027	SK2100585-028	SK2100585-029	SK2100585-030
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.792 DLDS	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.000948 DLDS	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	1570 DLDS	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.0124 DLDS	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	<0.0100 DLDS	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<1.50 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.257 DLDS	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	1870 DLDS	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	0.354 DLDS	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.00942 DLDS	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.0627 DLDS	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<2.50 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	557 DLDS	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.537 DLDS	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.00311 DLDS	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	3.55 DLDS	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.000588 DLDS	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	13100 DLDS	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	30.8 DLDS	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	1020 DLDS	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.0100 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.000500 DLDS	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.0297 DLDS	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W6	07-IF-PAG-CW_W7	07-IF-PAG-CW_W8	08-SED-PAG-CW_W5	08-SED-PAG-CW_W6
					Client sampling date / time	25-Feb-2021 14:00	04-Mar-2021 13:00	11-Mar-2021 14:55	18-Feb-2021 15:20	25-Feb-2021 14:15
						SK2100585-026	SK2100585-027	SK2100585-028	SK2100585-029	SK2100585-030
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.266 DLDS	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W7	08-SED-PAG-CW_W8	09-FZONE-NPAG_W5	09-FZONE-NPAG_W6	09-FZONE-NPAG_W7
					Client sampling date / time	04-Mar-2021 13:05	11-Mar-2021 15:05	18-Feb-2021 10:25	25-Feb-2021 14:25	04-Mar-2021 13:30
						SK2100585-031	SK2100585-032	SK2100585-033	SK2100585-034	SK2100585-035
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		----	12500	----	----	----
conductivity	----	E100	2.0	µS/cm		----	70100	----	----	----
pH	----	E108	0.10	pH units		----	7.39	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	57.2	----	----	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	69.8	----	----	----
carbonate	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	50400	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	2.83 DLM	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		375 DLDS	480 DLDS	----	<0.50 DLDS	2.44 DLDS
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	<0.0020	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	19.5 DLHC	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	29400 DLDS	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	<6.00 DLDS	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<6.00 DLDS	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<3.00 DLDS	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		2830 DLDS	2940 DLDS	69.6 DLDS	68.2 DLDS	68.2 DLDS
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<6.71	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	892	----	----	----
cation sum	----	EC101	0.10	meq/L		----	861	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	1.77	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	96.5	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	<0.100 DLDS	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.231 DLDS	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.00200 DLDS	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W7	08-SED-PAG-CW_W8	09-FZONE-NPAG_W5	09-FZONE-NPAG_W6	09-FZONE-NPAG_W7
					Client sampling date / time	04-Mar-2021 13:05	11-Mar-2021 15:05	18-Feb-2021 10:25	25-Feb-2021 14:25	04-Mar-2021 13:30
						SK2100585-031	SK2100585-032	SK2100585-033	SK2100585-034	SK2100585-035
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	<1.00 DLDS	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.00289 DLDS	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	1670 DLDS	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.00756 DLDS	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.0285 DLDS	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<3.00 DLDS	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.286 DLDS	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	2020 DLDS	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.500 DLDS	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0290 DLDS	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.236 DLDS	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	617 DLDS	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.210 DLDS	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	0.00125 DLDS	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	13700 DLDS	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	35.6 DLDS	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	1080 DLDS	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	<0.00100 DLDS	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.0484 DLDS	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W7	08-SED-PAG-CW_W8	09-FZONE-NPAG_W5	09-FZONE-NPAG_W6	09-FZONE-NPAG_W7
					Client sampling date / time	04-Mar-2021 13:05	11-Mar-2021 15:05	18-Feb-2021 10:25	25-Feb-2021 14:25	04-Mar-2021 13:30
						SK2100585-031	SK2100585-032	SK2100585-033	SK2100585-034	SK2100585-035
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.734 DLDS	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W8	10-ROM-SR1_W5	10-ROM-SR1_W6	10-ROM-SR1_W7	10-ROM-SR1_W8
					Client sampling date / time	11-Mar-2021 15:15	18-Feb-2021 10:30	25-Feb-2021 14:35	04-Mar-2021 13:55	11-Mar-2021 15:25
						SK2100585-036	SK2100585-037	SK2100585-038	SK2100585-039	SK2100585-040
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		96.5	218	154	135	132
conductivity	----	E100	2.0	µS/cm		1050	1170	811	632	636
pH	----	E108	0.10	pH units		8.18	7.93	7.95	7.94	7.92
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		142	86.5	82.4	77.9	76.5
bicarbonate	71-52-3	E290	1.0	mg/L		173	106	100	95.1	93.3
carbonate	3812-32-6	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	<1.0
hydroxide	14280-30-9	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	<1.0
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		539	736	493	378	374
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.0087	----	----	----	1.54 DLM
bromide	24959-67-9	E235.Br	0.10	mg/L		2.91 DLDS	----	0.29 DLDS	0.23	0.18
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		0.0038	----	----	----	0.0197
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		30.0 DLHC	----	----	----	0.328
chloride	16887-00-6	E235.Cl	0.50	mg/L		174 DLDS	185 DLDS	107 DLDS	73.0	70.1
fluoride	16984-48-8	E235.F	0.020	mg/L		0.665 DLDS	0.179 DLDS	0.188 DLDS	0.158	0.159
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.040 DLDS	19.5 DLDS	11.6 DLDS	7.88	7.70
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.020 DLDS	<0.050 DLDS	0.021 DLDS	0.017	0.020
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		61.5 DLDS	152 DLDS	108 DLDS	87.5	100
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	19.5	11.6	7.90	7.72
Ion Balance										
anion sum	----	EC101	0.10	meq/L		9.06	11.5	7.75	6.01	6.15
cation sum	----	EC101	0.10	meq/L		9.40	11.9	7.98	6.18	5.72
ion balance (cation-anion difference)	----	EC101	0.010	%		1.84	1.71	1.46	1.39	3.62
ion balance (cations/anions ratio)	----	EC101	0.010	%		104	103	103	103	93.0
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0285	----	----	----	0.0210
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00797	----	----	----	0.00050
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.00279	----	----	----	0.0164
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0271	----	----	----	0.0317
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W8	10-ROM-SR1_W5	10-ROM-SR1_W6	10-ROM-SR1_W7	10-ROM-SR1_W8
					Client sampling date / time	11-Mar-2021 15:15	18-Feb-2021 10:30	25-Feb-2021 14:35	04-Mar-2021 13:55	11-Mar-2021 15:25
						SK2100585-036	SK2100585-037	SK2100585-038	SK2100585-039	SK2100585-040
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.080	----	----	----	0.462
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		0.0000052	----	----	----	0.0000072
calcium, dissolved	7440-70-2	E421	0.050	mg/L		20.5	53.0	37.1	34.6	33.0
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000012	----	----	----	0.000099
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		0.00193	----	----	----	<0.00050
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00017	----	----	----	0.00020
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00442	----	----	----	0.00170
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	<0.030	<0.030	<0.030	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	0.000065
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0086	----	----	----	0.0048
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		11.0	20.7	14.8	11.8	12.0
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.0135	0.0302	0.0246	0.0377	0.0282
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.0113	----	----	----	0.00446
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00262	----	----	----	0.00103
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		11.6	13.1	9.83	7.29	7.61
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00209	----	----	----	0.00466
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.00364	----	----	----	0.000611
silicon, dissolved	7440-21-3	E421	0.050	mg/L		3.57	----	----	----	2.00
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		165	165	107	75.6	63.9
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0580	----	----	----	0.217
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		23.7	----	----	----	37.5
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000011	----	----	----	<0.000010
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.0300	----	----	----	0.00581
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00040	----	----	----	0.00017
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.00280	----	----	----	0.00158
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00092	----	----	----	<0.00050

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W8	10-ROM-SR1_W5	10-ROM-SR1_W6	10-ROM-SR1_W7	10-ROM-SR1_W8
					Client sampling date / time	11-Mar-2021 15:15	18-Feb-2021 10:30	25-Feb-2021 14:35	04-Mar-2021 13:55	11-Mar-2021 15:25
						SK2100585-036	SK2100585-037	SK2100585-038	SK2100585-039	SK2100585-040
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0020	----	----	----	<0.0010
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
dissolved metals filtration location	----	EP421	-	-		Field	Laboratory SFP	Laboratory SFP	Laboratory SFP	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	11-ROM-SR2_W5	11-ROM-SR2_W6	11-ROM-SR2_W7	11-ROM-SR2_W8	----
					Client sampling date / time	18-Feb-2021 10:40	25-Feb-2021 14:45	04-Mar-2021 14:05	11-Mar-2021 15:35	----
						SK2100585-041	SK2100585-042	SK2100585-043	SK2100585-044	--------
						Result	Result	Result	Result	----
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.60	mg/L		165	142	131	114	----
conductivity	----	E100	2.0	µS/cm		826	671	600	539	----
pH	----	E108	0.10	pH units		7.86	7.83	7.85	7.84	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		71.2	63.2	59.6	63.8	----
bicarbonate	71-52-3	E290	1.0	mg/L		86.9	77.1	72.8	77.8	----
carbonate	3812-32-6	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	----
hydroxide	14280-30-9	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		474	385	347	299	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	0.0071	----
bromide	24959-67-9	E235.Br	0.10	mg/L		----	0.36	0.30	0.24	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	----	<0.0020	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	----	4.24 DLHC	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		155 DLDS	119	102	82.8	----
fluoride	16984-48-8	E235.F	0.020	mg/L		0.085 DLDS	0.090	0.092	0.083	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		7.02 DLDS	5.47	4.68	3.75	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		0.071 DLDS	0.061	0.062	0.064	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		71.1 DLDS	63.6	63.3	59.7	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		7.09	5.53	4.74	3.81	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		7.79	6.34	5.73	5.13	----
cation sum	----	EC101	0.10	meq/L		8.09	6.48	5.79	4.64	----
ion balance (cation-anion difference)	----	EC101	0.010	%		1.89	1.09	0.521	5.02	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		104	102	101	90.4	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0225	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.00019	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.00740	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0216	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000050	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	11-ROM-SR2_W5	11-ROM-SR2_W6	11-ROM-SR2_W7	11-ROM-SR2_W8	----
					Client sampling date / time	18-Feb-2021 10:40	25-Feb-2021 14:45	04-Mar-2021 14:05	11-Mar-2021 15:35	----
						SK2100585-041	SK2100585-042	SK2100585-043	SK2100585-044	--------
						Result	Result	Result	Result	----
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.167	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	0.0000102	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		40.5	35.0	32.1	29.4	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	0.000034	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	0.00030	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00162	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	<0.030	<0.030	<0.030	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0076	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		15.6	13.2	12.3	10.0	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.145	0.127	0.118	0.102	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.00163	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	0.00071	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.050	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		5.02	4.24	3.85	3.24	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.00137	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.000264	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	2.50	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		107	81.1	70.6	51.9	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	0.120	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	20.8	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00010	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00869	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	0.00035	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.000782	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00050	----

Analytical Results

Sub-Matrix: **Leachate** (Matrix: **Water**)					Client sample ID	**11-ROM-SR2_ W5**	**11-ROM-SR2_ W6**	**11-ROM-SR2_ W7**	**11-ROM-SR2_ W8**	**----**
					Client sampling date / time	18-Feb-2021 10:40	25-Feb-2021 14:45	04-Mar-2021 14:05	11-Mar-2021 15:35	----
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*		**SK2100585-041**	**SK2100585-042**	**SK2100585-043**	**SK2100585-044**	**--------**
						Result	Result	Result	Result	----
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0141	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00030	----
dissolved metals filtration location	----	EP421	-	-		Laboratory SFP	Laboratory SFP	Laboratory SFP	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Descriptive Results

Sub-Matrix: **Leachate**

Method: Compound	*Client sample ID - Client sampling date / time*	*Analytical Results*
Anions and Nutrients		
E318: Kjeldahl nitrogen, total [TKN]	01_TSF_W12 - 04-Mar-2021 10:25	523.236

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2100585**	Page	: 1 of 36
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 11-Mar-2021 16:55
PO	: ----	Issue Date	: 19-Mar-2021 09:30
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 44		
No. of samples analysed	: 44		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- Duplicate outliers occur - please see following pages for full details.
- Matrix Spike outliers occur - please see following pages for full details.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **Water**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Duplicate (DUP) RPDs								
Anions and Nutrients	SK2100585-003	01_TSF_W12	chloride	16887-00-6	E235.Cl	68.1 %	20%	Duplicate RPD does not meet the DQO for this test.
Anions and Nutrients	SK2100585-003	01_TSF_W12	nitrate (as N)	14797-55-8	E235.NO3	68.3 %	20%	Duplicate RPD does not meet the DQO for this test.
Anions and Nutrients	SK2100585-003	01_TSF_W12	sulfate (as SO4)	14808-79-8	E235.SO4	67.9 %	20%	Duplicate RPD does not meet the DQO for this test.
Matrix Spike (MS) Recoveries								
Anions and Nutrients	SK2100585-028	07-IF-PAG-CW_W8	fluoride	16984-48-8	E235.F	65.6 % K	75.0-125%	Recovery less than lower data quality objective

Result Qualifiers

Qualifier	Description
K	*Matrix Spike recovery outside ALS DQO due to sample matrix effects.*

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 15:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 15:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
01_TSF_W12	E298	04-Mar-2021	17-Mar-2021	28 days	13 days	✓	17-Mar-2021	14 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
02-IF-PAG_W8	E298	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
03-SED-PAG_W8	E298	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
04-GAB-NPAG-W8	E298	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W8	E298	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W8	E298	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W8	E298	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W8	E298	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W8	E298	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
10-ROM-SR1_W8	E298	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
11-ROM-SR2_W8	E298	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
01_TSF_W13	E235.Br	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
02-IF-PAG_W8	E235.Br	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
03-SED-PAG_W8	E235.Br	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
04-GAB-NPAG-W8	E235.Br	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W8	E235.Br	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE 06-IF-NPAG_W8	E235.Br	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 07-IF-PAG-CW_W8	E235.Br	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 08-SED-PAG-CW_W8	E235.Br	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 09-FZONE-NPAG_W8	E235.Br	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 10-ROM-SR1_W8	E235.Br	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 11-ROM-SR2_W8	E235.Br	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 01_TSF_W11	E235.Br	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 02-IF-PAG_W6	E235.Br	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 03-SED-PAG_W6	E235.Br	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
04-GAB-NPAG-W6	E235.Br	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W6	E235.Br	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W6	E235.Br	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
07-IF-PAG-CW_W6	E235.Br	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
08-SED-PAG-CW_W6	E235.Br	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
09-FZONE-NPAG_W6	E235.Br	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
10-ROM-SR1_W6	E235.Br	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
11-ROM-SR2_W6	E235.Br	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
01_TSF_W12	E235.Br	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
02-IF-PAG_W7	E235.Br	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
03-SED-PAG_W7	E235.Br	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
04-GAB-NPAG-W7	E235.Br	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W7	E235.Br	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W7	E235.Br	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
07-IF-PAG-CW_W7	E235.Br	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
08-SED-PAG-CW_W7	E235.Br	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
09-FZONE-NPAG_W7	E235.Br	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
10-ROM-SR1_W7	E235.Br	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
11-ROM-SR2_W7	E235.Br	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
02-IF-PAG_W8	E235.Cl	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
03-SED-PAG_W8	E235.Cl	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
04-GAB-NPAG-W8	E235.Cl	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
05-SED-NPAG_W8	E235.Cl	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
06-IF-NPAG_W8	E235.Cl	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
07-IF-PAG-CW_W8	E235.Cl	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
08-SED-PAG-CW_W8	E235.Cl	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
09-FZONE-NPAG_W8	E235.Cl	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE										
10-ROM-SR1_W8	E235.Cl	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
11-ROM-SR2_W8	E235.Cl	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
10-ROM-SR1_W6	E235.Cl	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
11-ROM-SR2_W6	E235.Cl	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
10-ROM-SR1_W5	E235.Cl	18-Feb-2021	----	----	----		13-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
11-ROM-SR2_W5	E235.Cl	18-Feb-2021	----	----	----		13-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
01_TSF_W12	E235.Cl	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
10-ROM-SR1_W7	E235.Cl	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
11-ROM-SR2_W7	E235.Cl	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
02-IF-PAG_W8	E235.F	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
03-SED-PAG_W8	E235.F	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
04-GAB-NPAG-W8	E235.F	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
05-SED-NPAG_W8	E235.F	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
06-IF-NPAG_W8	E235.F	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
07-IF-PAG-CW_W8	E235.F	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
08-SED-PAG-CW_W8	E235.F	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
09-FZONE-NPAG_W8	E235.F	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W8	E235.F	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W8	E235.F	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W6	E235.F	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W6	E235.F	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W5	E235.F	18-Feb-2021	----	----	----		13-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W5	E235.F	18-Feb-2021	----	----	----		13-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
01_TSF_W12	E235.F	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W7	E235.F	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W7	E235.F	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
02-IF-PAG_W8	E235.NO3	11-Mar-2021	----	----	----		12-Mar-2021	3 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE 03-SED-PAG_W8	E235.NO3	11-Mar-2021	----	----	----		12-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 04-GAB-NPAG-W8	E235.NO3	11-Mar-2021	----	----	----		12-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 05-SED-NPAG_W8	E235.NO3	11-Mar-2021	----	----	----		12-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 06-IF-NPAG_W8	E235.NO3	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 07-IF-PAG-CW_W8	E235.NO3	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 08-SED-PAG-CW_W8	E235.NO3	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 09-FZONE-NPAG_W8	E235.NO3	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 10-ROM-SR1_W8	E235.NO3	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 11-ROM-SR2_W8	E235.NO3	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
10-ROM-SR1_W6	E235.NO3	25-Feb-2021	----	----	----		13-Mar-2021	3 days	15 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
11-ROM-SR2_W6	E235.NO3	25-Feb-2021	----	----	----		13-Mar-2021	3 days	15 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
10-ROM-SR1_W5	E235.NO3	18-Feb-2021	----	----	----		13-Mar-2021	3 days	22 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
11-ROM-SR2_W5	E235.NO3	18-Feb-2021	----	----	----		13-Mar-2021	3 days	22 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
01_TSF_W12	E235.NO3	04-Mar-2021	----	----	----		12-Mar-2021	3 days	8 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
10-ROM-SR1_W7	E235.NO3	04-Mar-2021	----	----	----		13-Mar-2021	3 days	8 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
11-ROM-SR2_W7	E235.NO3	04-Mar-2021	----	----	----		13-Mar-2021	3 days	8 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
02-IF-PAG_W8	E235.NO2	11-Mar-2021	----	----	----		12-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
03-SED-PAG_W8	E235.NO2	11-Mar-2021	----	----	----		12-Mar-2021	3 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE 04-GAB-NPAG-W8	E235.NO2	11-Mar-2021	----	----	----		12-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 05-SED-NPAG_W8	E235.NO2	11-Mar-2021	----	----	----		12-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 06-IF-NPAG_W8	E235.NO2	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 07-IF-PAG-CW_W8	E235.NO2	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 08-SED-PAG-CW_W8	E235.NO2	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 09-FZONE-NPAG_W8	E235.NO2	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 10-ROM-SR1_W8	E235.NO2	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 11-ROM-SR2_W8	E235.NO2	11-Mar-2021	----	----	----		13-Mar-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 10-ROM-SR1_W6	E235.NO2	25-Feb-2021	----	----	----		13-Mar-2021	3 days	15 days	× EHTR

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
11-ROM-SR2_W6	E235.NO2	25-Feb-2021	----	----	----		13-Mar-2021	3 days	15 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
10-ROM-SR1_W5	E235.NO2	18-Feb-2021	----	----	----		13-Mar-2021	3 days	22 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
11-ROM-SR2_W5	E235.NO2	18-Feb-2021	----	----	----		13-Mar-2021	3 days	22 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
01_TSF_W12	E235.NO2	04-Mar-2021	----	----	----		12-Mar-2021	3 days	8 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
10-ROM-SR1_W7	E235.NO2	04-Mar-2021	----	----	----		13-Mar-2021	3 days	8 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
11-ROM-SR2_W7	E235.NO2	04-Mar-2021	----	----	----		13-Mar-2021	3 days	8 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W13	E235.SO4	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W8	E235.SO4	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W8	E235.SO4	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG-W8	E235.SO4	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W8	E235.SO4	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W8	E235.SO4	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W8	E235.SO4	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W8	E235.SO4	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W8	E235.SO4	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W8	E235.SO4	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W8	E235.SO4	11-Mar-2021	----	----	----		13-Mar-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W11	E235.SO4	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W6	E235.SO4	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W6	E235.SO4	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG-W6	E235.SO4	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W6	E235.SO4	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W6	E235.SO4	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W6	E235.SO4	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W6	E235.SO4	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W6	E235.SO4	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W6	E235.SO4	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W6	E235.SO4	25-Feb-2021	----	----	----		13-Mar-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W10	E235.SO4	18-Feb-2021	----	----	----		12-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W5	E235.SO4	18-Feb-2021	----	----	----		12-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W5	E235.SO4	18-Feb-2021	----	----	----		12-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG-W5	E235.SO4	18-Feb-2021	----	----	----		12-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W5	E235.SO4	18-Feb-2021	----	----	----		12-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W5	E235.SO4	18-Feb-2021	----	----	----		13-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W5	E235.SO4	18-Feb-2021	----	----	----		13-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W5	E235.SO4	18-Feb-2021	----	----	----		13-Mar-2021	28 days	22 days	✓

Matrix: **Water**

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Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W5	E235.SO4	18-Feb-2021	----	----	----		13-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W5	E235.SO4	18-Feb-2021	----	----	----		13-Mar-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W5	E235.SO4	18-Feb-2021	----	----	----		13-Mar-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W12	E235.SO4	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W7	E235.SO4	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W7	E235.SO4	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG-W7	E235.SO4	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W7	E235.SO4	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W7	E235.SO4	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓

Matrix: **Water**

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Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W7	E235.SO4	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W7	E235.SO4	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W7	E235.SO4	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W7	E235.SO4	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W7	E235.SO4	04-Mar-2021	----	----	----		13-Mar-2021	28 days	8 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
01_TSF_W12	E318	04-Mar-2021	15-Mar-2021	28 days	10 days	✓	15-Mar-2021	17 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
02-IF-PAG_W8	E318	11-Mar-2021	15-Mar-2021	28 days	3 days	✓	15-Mar-2021	24 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
03-SED-PAG_W8	E318	11-Mar-2021	15-Mar-2021	28 days	3 days	✓	15-Mar-2021	24 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
04-GAB-NPAG-W8	E318	11-Mar-2021	15-Mar-2021	28 days	3 days	✓	15-Mar-2021	24 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W8	E318	11-Mar-2021	15-Mar-2021	28 days	3 days	✓	15-Mar-2021	24 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W8	E318	11-Mar-2021	15-Mar-2021	28 days	3 days	✓	15-Mar-2021	24 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W8	E318	11-Mar-2021	15-Mar-2021	28 days	3 days	✓	15-Mar-2021	24 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W8	E318	11-Mar-2021	15-Mar-2021	28 days	3 days	✓	15-Mar-2021	24 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W8	E318	11-Mar-2021	15-Mar-2021	28 days	3 days	✓	15-Mar-2021	24 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
10-ROM-SR1_W8	E318	11-Mar-2021	15-Mar-2021	28 days	3 days	✓	15-Mar-2021	24 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
11-ROM-SR2_W8	E318	11-Mar-2021	15-Mar-2021	28 days	3 days	✓	15-Mar-2021	24 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
01_TSF_W12	E372-U	04-Mar-2021	17-Mar-2021	28 days	12 days	✓	17-Mar-2021	15 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
02-IF-PAG_W8	E372-U	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid) 03-SED-PAG_W8	E372-U	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid) 04-GAB-NPAG-W8	E372-U	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid) 05-SED-NPAG_W8	E372-U	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid) 06-IF-NPAG_W8	E372-U	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid) 07-IF-PAG-CW_W8	E372-U	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid) 08-SED-PAG-CW_W8	E372-U	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid) 09-FZONE-NPAG_W8	E372-U	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid) 10-ROM-SR1_W8	E372-U	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid) 11-ROM-SR2_W8	E372-U	11-Mar-2021	17-Mar-2021	28 days	5 days	✓	17-Mar-2021	22 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Cyanides : Total Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide) 01_TSF_W12	E333	04-Mar-2021	----	----	----		18-Mar-2021	14 days	13 days	✓
Cyanides : WAD Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide) 01_TSF_W12	E336	04-Mar-2021	----	----	----		18-Mar-2021	14 days	13 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE 10-ROM-SR1_W7	E421	04-Mar-2021	15-Mar-2021	180 days	10 days	✓	15-Mar-2021	169 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE 11-ROM-SR2_W7	E421	04-Mar-2021	15-Mar-2021	180 days	10 days	✓	15-Mar-2021	169 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 01_TSF_W12	E421	04-Mar-2021	15-Mar-2021	180 days	11 days	✓	15-Mar-2021	168 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE 10-ROM-SR1_W6	E421	25-Feb-2021	15-Mar-2021	180 days	17 days	✓	15-Mar-2021	162 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE 11-ROM-SR2_W6	E421	25-Feb-2021	15-Mar-2021	180 days	17 days	✓	15-Mar-2021	162 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE 10-ROM-SR1_W5	E421	18-Feb-2021	15-Mar-2021	180 days	25 days	✓	15-Mar-2021	154 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE 11-ROM-SR2_W5	E421	18-Feb-2021	15-Mar-2021	180 days	25 days	✓	15-Mar-2021	154 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 02-IF-PAG_W8	E421	11-Mar-2021	15-Mar-2021	180 days	3 days	✓	15-Mar-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 03-SED-PAG_W8	E421	11-Mar-2021	15-Mar-2021	180 days	3 days	✓	15-Mar-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 04-GAB-NPAG-W8	E421	11-Mar-2021	15-Mar-2021	180 days	3 days	✓	15-Mar-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 05-SED-NPAG_W8	E421	11-Mar-2021	15-Mar-2021	180 days	3 days	✓	15-Mar-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 06-IF-NPAG_W8	E421	11-Mar-2021	15-Mar-2021	180 days	3 days	✓	15-Mar-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 07-IF-PAG-CW_W8	E421	11-Mar-2021	15-Mar-2021	180 days	3 days	✓	15-Mar-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 08-SED-PAG-CW_W8	E421	11-Mar-2021	15-Mar-2021	180 days	3 days	✓	15-Mar-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 09-FZONE-NPAG_W8	E421	11-Mar-2021	15-Mar-2021	180 days	3 days	✓	15-Mar-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 10-ROM-SR1_W8	E421	11-Mar-2021	15-Mar-2021	180 days	3 days	✓	15-Mar-2021	176 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 11-ROM-SR2_W8	E421	11-Mar-2021	15-Mar-2021	180 days	3 days	✓	15-Mar-2021	176 days	0 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 02-IF-PAG_W8	E290	11-Mar-2021	----	----	----		12-Mar-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 03-SED-PAG_W8	E290	11-Mar-2021	----	----	----		12-Mar-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 04-GAB-NPAG-W8	E290	11-Mar-2021	----	----	----		12-Mar-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 05-SED-NPAG_W8	E290	11-Mar-2021	----	----	----		12-Mar-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 06-IF-NPAG_W8	E290	11-Mar-2021	----	----	----		12-Mar-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 07-IF-PAG-CW_W8	E290	11-Mar-2021	----	----	----		12-Mar-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 08-SED-PAG-CW_W8	E290	11-Mar-2021	----	----	----		12-Mar-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 09-FZONE-NPAG_W8	E290	11-Mar-2021	----	----	----		12-Mar-2021	14 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Alkalinity Species by Titration										
HDPE 10-ROM-SR1_W8	E290	11-Mar-2021	----	----	----		12-Mar-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 11-ROM-SR2_W8	E290	11-Mar-2021	----	----	----		12-Mar-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 10-ROM-SR1_W6	E290	25-Feb-2021	----	----	----		12-Mar-2021	14 days	15 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 11-ROM-SR2_W6	E290	25-Feb-2021	----	----	----		12-Mar-2021	14 days	15 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 10-ROM-SR1_W5	E290	18-Feb-2021	----	----	----		12-Mar-2021	14 days	22 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 11-ROM-SR2_W5	E290	18-Feb-2021	----	----	----		12-Mar-2021	14 days	22 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 01_TSF_W12	E290	04-Mar-2021	----	----	----		12-Mar-2021	14 days	8 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 10-ROM-SR1_W7	E290	04-Mar-2021	----	----	----		12-Mar-2021	14 days	8 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 11-ROM-SR2_W7	E290	04-Mar-2021	----	----	----		12-Mar-2021	14 days	8 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE 02-IF-PAG_W8	E100	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 03-SED-PAG_W8	E100	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 04-GAB-NPAG-W8	E100	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 05-SED-NPAG_W8	E100	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 06-IF-NPAG_W8	E100	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 07-IF-PAG-CW_W8	E100	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 08-SED-PAG-CW_W8	E100	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 09-FZONE-NPAG_W8	E100	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 10-ROM-SR1_W8	E100	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE										
11-ROM-SR2_W8	E100	11-Mar-2021	----	----	----		12-Mar-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
10-ROM-SR1_W6	E100	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓
Physical Tests : Conductivity in Water										
HDPE										
11-ROM-SR2_W6	E100	25-Feb-2021	----	----	----		12-Mar-2021	28 days	15 days	✓
Physical Tests : Conductivity in Water										
HDPE										
10-ROM-SR1_W5	E100	18-Feb-2021	----	----	----		12-Mar-2021	28 days	22 days	✓
Physical Tests : Conductivity in Water										
HDPE										
11-ROM-SR2_W5	E100	18-Feb-2021	----	----	----		12-Mar-2021	28 days	22 days	✓
Physical Tests : Conductivity in Water										
HDPE										
01_TSF_W12	E100	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE										
10-ROM-SR1_W7	E100	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE										
11-ROM-SR2_W7	E100	04-Mar-2021	----	----	----		12-Mar-2021	28 days	8 days	✓
Physical Tests : pH by Meter										
HDPE										
10-ROM-SR1_W7	E108	04-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	193 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W7	E108	04-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	193 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 01_TSF_W12	E108	04-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	197 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 06-IF-NPAG_W8	E108	11-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 07-IF-PAG-CW_W8	E108	11-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 08-SED-PAG-CW_W8	E108	11-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 09-FZONE-NPAG_W8	E108	11-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 10-ROM-SR1_W8	E108	11-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W8	E108	11-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 02-IF-PAG_W8	E108	11-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	25 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE 03-SED-PAG_W8	E108	11-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	25 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 04-GAB-NPAG-W8	E108	11-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	25 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 05-SED-NPAG_W8	E108	11-Mar-2021	----	----	----		12-Mar-2021	0.25 hrs	25 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 10-ROM-SR1_W6	E108	25-Feb-2021	----	----	----		12-Mar-2021	0.25 hrs	361 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W6	E108	25-Feb-2021	----	----	----		12-Mar-2021	0.25 hrs	361 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 10-ROM-SR1_W5	E108	18-Feb-2021	----	----	----		12-Mar-2021	0.25 hrs	533 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W5	E108	18-Feb-2021	----	----	----		12-Mar-2021	0.25 hrs	533 hrs	× EHTR-FM

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	162513	1	18	5.5	5.0	✓
Ammonia by Fluorescence	E298	164684	1	13	7.6	5.0	✓
Bromide in Water by IC	E235.Br	162468	3	35	8.5	5.0	✓
Chloride in Water by IC	E235.Cl	162471	3	32	9.3	5.0	✓
Conductivity in Water	E100	162512	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	163454	2	34	5.8	5.0	✓
Fluoride in Water by IC	E235.F	162469	3	31	9.6	5.0	✓
Nitrate in Water by IC	E235.NO3	162472	3	31	9.6	5.0	✓
Nitrite in Water by IC	E235.NO2	162470	3	31	9.6	5.0	✓
pH by Meter	E108	162511	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	162467	3	58	5.1	5.0	✓
Total Cyanide by CFA	E333	163365	1	14	7.1	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	163122	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	163565	2	28	7.1	5.0	✓
WAD Cyanide by CFA	E336	163366	1	14	7.1	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	162513	1	18	5.5	5.0	✓
Ammonia by Fluorescence	E298	164684	1	13	7.6	5.0	✓
Bromide in Water by IC	E235.Br	162468	3	35	8.5	5.0	✓
Chloride in Water by IC	E235.Cl	162471	3	32	9.3	5.0	✓
Conductivity in Water	E100	162512	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	163454	2	34	5.8	5.0	✓
Fluoride in Water by IC	E235.F	162469	3	31	9.6	5.0	✓
Nitrate in Water by IC	E235.NO3	162472	3	31	9.6	5.0	✓
Nitrite in Water by IC	E235.NO2	162470	3	31	9.6	5.0	✓
pH by Meter	E108	162511	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	162467	3	58	5.1	5.0	✓
Total Cyanide by CFA	E333	163365	1	14	7.1	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	163122	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	163565	2	28	7.1	5.0	✓
WAD Cyanide by CFA	E336	163366	1	14	7.1	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	162513	1	18	5.5	5.0	✓
Ammonia by Fluorescence	E298	164684	1	13	7.6	5.0	✓
Bromide in Water by IC	E235.Br	162468	3	35	8.5	5.0	✓
Chloride in Water by IC	E235.Cl	162471	3	32	9.3	5.0	✓
Conductivity in Water	E100	162512	1	20	5.0	5.0	✓

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Dissolved Metals in Water by CRC ICPMS	E421	163454	2	34	5.8	5.0	✓
Fluoride in Water by IC	E235.F	162469	3	31	9.6	5.0	✓
Nitrate in Water by IC	E235.NO3	162472	3	31	9.6	5.0	✓
Nitrite in Water by IC	E235.NO2	162470	3	31	9.6	5.0	✓
Sulfate in Water by IC	E235.SO4	162467	3	58	5.1	5.0	✓
Total Cyanide by CFA	E333	163365	1	14	7.1	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	163122	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	163565	2	28	7.1	5.0	✓
WAD Cyanide by CFA	E336	163366	1	14	7.1	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	164684	1	13	7.6	5.0	✓
Bromide in Water by IC	E235.Br	162468	3	35	8.5	5.0	✓
Chloride in Water by IC	E235.Cl	162471	3	32	9.3	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	163454	2	34	5.8	5.0	✓
Fluoride in Water by IC	E235.F	162469	3	31	9.6	5.0	✓
Nitrate in Water by IC	E235.NO3	162472	3	31	9.6	5.0	✓
Nitrite in Water by IC	E235.NO2	162470	3	31	9.6	5.0	✓
Sulfate in Water by IC	E235.SO4	162467	3	58	5.1	5.0	✓
Total Cyanide by CFA	E333	163365	1	14	7.1	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	163122	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	163565	2	28	7.1	5.0	✓
WAD Cyanide by CFA	E336	163366	1	14	7.1	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Bromide in Water by IC	E235.Br Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Calgary - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.
Total Cyanide by CFA	E333 Vancouver - Environmental	Water	ISO 14403 (mod)	Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.
WAD Cyanide by CFA	E336 Vancouver - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U Calgary - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	“Hardness (as CaCO3), dissolved” is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. “Total Hardness” refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Calgary - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Digestion for Total Phosphorus in water	EP372 Calgary - Environmental	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.

QUALITY CONTROL REPORT

Work Order	: **SK2100585**	Page	: 1 of 18
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 11-Mar-2021 16:55
PO	: ----	Date Analysis Commenced	: 12-Mar-2021
C-O-C number	: ----	Issue Date	: 19-Mar-2021 09:30
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 44		
No. of samples analysed	: 44		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Dwayne Bennett	Technical Specialist	Inorganics, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jorden Fanson	Analyst	Inorganics, Calgary, Alberta
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Naeun Kim	Analyst	Inorganics, Calgary, Alberta
Nancy Cruse	Laboratory _ Supervisor	Inorganics, Saskatoon, Saskatchewan
Rebeccah Baker	Analyst	Inorganics, Calgary, Alberta
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests (QC Lot: 162511)											
RG2100051-001	Anonymous	pH	----	E108	0.10	pH units	7.45	7.44	0.134%	3%	----
Physical Tests (QC Lot: 162512)											
RG2100051-001	Anonymous	conductivity	----	E100	2.0	µS/cm	2670	2690	0.746%	10%	----
Physical Tests (QC Lot: 162513)											
RG2100051-001	Anonymous	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	52.0	51.7	0.594%	20%	----
Anions and Nutrients (QC Lot: 162467)											
SK2100585-003	01_TSF_W12	sulfate (as SO4)	14808-79-8	E235.SO4	60.0	mg/L	5400	2660	67.9%	20%	----
Anions and Nutrients (QC Lot: 162468)											
SK2100585-003	01_TSF_W12	bromide	24959-67-9	E235.Br	20.0	mg/L	<20.0	<10.0	10.0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 162469)											
SK2100585-003	01_TSF_W12	fluoride	16984-48-8	E235.F	4.00	mg/L	<4.00	<2.00	2.00	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 162470)											
SK2100585-003	01_TSF_W12	nitrite (as N)	14797-65-0	E235.NO2	2.00	mg/L	2.90	1.35	1.56	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 162471)											
SK2100585-003	01_TSF_W12	chloride	16887-00-6	E235.Cl	100	mg/L	6630	3260	68.1%	20%	----
Anions and Nutrients (QC Lot: 162472)											
SK2100585-003	01_TSF_W12	nitrate (as N)	14797-55-8	E235.NO3	4.00	mg/L	478	235	68.3%	20%	----
Anions and Nutrients (QC Lot: 162473)											
SK2100585-024	06-IF-NPAG_W8	sulfate (as SO4)	14808-79-8	E235.SO4	1.50	mg/L	61.0	60.9	0.0847%	20%	----
Anions and Nutrients (QC Lot: 162474)											
SK2100585-024	06-IF-NPAG_W8	bromide	24959-67-9	E235.Br	0.50	mg/L	1.56	1.55	0.007	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 162475)											
SK2100585-024	06-IF-NPAG_W8	fluoride	16984-48-8	E235.F	0.100	mg/L	0.403	0.388	0.014	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 162476)											
SK2100585-024	06-IF-NPAG_W8	nitrite (as N)	14797-65-0	E235.NO2	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 162477)											
SK2100585-024	06-IF-NPAG_W8	chloride	16887-00-6	E235.Cl	2.50	mg/L	231	231	0.108%	20%	----
Anions and Nutrients (QC Lot: 162478)											
SK2100585-024	06-IF-NPAG_W8	nitrate (as N)	14797-55-8	E235.NO3	0.100	mg/L	<0.100	<0.100	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 162638)											
SK2100585-044	11-ROM-SR2_W8	fluoride	16984-48-8	E235.F	0.020	mg/L	0.083	0.086	0.003	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Anions and Nutrients (QC Lot: 162639)											
SK2100585-044	11-ROM-SR2_W8	nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L	0.064	0.060	0.005	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 162640)											
SK2100585-044	11-ROM-SR2_W8	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	59.7	60.3	1.06%	20%	----
Anions and Nutrients (QC Lot: 162641)											
SK2100585-044	11-ROM-SR2_W8	chloride	16887-00-6	E235.Cl	0.50	mg/L	82.8	83.5	0.818%	20%	----
Anions and Nutrients (QC Lot: 162642)											
SK2100585-044	11-ROM-SR2_W8	nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L	3.75	3.83	2.07%	20%	----
Anions and Nutrients (QC Lot: 162643)											
SK2100585-044	11-ROM-SR2_W8	bromide	24959-67-9	E235.Br	0.10	mg/L	0.24	0.24	0.007	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 163122)											
CG2100337-001	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	0.050	mg/L	0.982	0.952	3.10%	20%	----
Anions and Nutrients (QC Lot: 163565)											
CG2100344-003	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	<0.0020	<0.0020	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 163566)											
SK2100585-016	04-GAB-NPAG-W8	phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	<0.0020	<0.0020	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 164684)											
CG2100329-015	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	<0.0050	<0.0050	0	Diff <2x LOR	----
Cyanides (QC Lot: 163365)											
VA21A4600-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L	<0.0050	<0.0050	0	Diff <2x LOR	----
Cyanides (QC Lot: 163366)											
VA21A4600-001	Anonymous	cyanide, weak acid dissociable	----	E336	0.0050	mg/L	<0.0050	<0.0050	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 163454)											
RG2100051-001	Anonymous	aluminum, dissolved	7429-90-5	E421	0.0020	mg/L	0.0078	0.0092	0.0013	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00020	mg/L	0.00328	0.00335	2.02%	20%	----
		barium, dissolved	7440-39-3	E421	0.00020	mg/L	0.188	0.189	0.514%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000040	mg/L	<0.000040	<0.000040	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.020	mg/L	0.757	0.782	3.20%	20%	----
		cadmium, dissolved	7440-43-9	E421	0.0000100	mg/L	<0.0000100	<0.0000100	0	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	0.100	mg/L	249	255	2.32%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000020	mg/L	0.000144	0.000144	0.0000005	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00100	mg/L	0.00109	<0.00100	0.00009	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00020	mg/L	0.00022	0.00022	0.000005	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00040	mg/L	0.00270	0.00270	0.000003	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 163454) - continued											
RG2100051-001	Anonymous	iron, dissolved	7439-89-6	E421	0.060	mg/L	<0.060	<0.060	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0020	mg/L	0.170	0.162	5.00%	20%	----
		magnesium, dissolved	7439-95-4	E421	0.0100	mg/L	119	121	2.12%	20%	----
		manganese, dissolved	7439-96-5	E421	0.0100	mg/L	1.53	1.53	0.388%	20%	----
		molybdenum, dissolved	7439-98-7	E421	0.000100	mg/L	0.00856	0.00847	0.985%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00100	mg/L	0.00353	0.00369	0.00016	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	0.100	mg/L	3.28	3.46	5.23%	20%	----
		potassium, dissolved	7440-09-7	E421	0.100	mg/L	14.2	15.2	7.19%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00040	mg/L	0.00268	0.00252	0.00015	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.000100	mg/L	0.0709	0.0734	3.45%	20%	----
		silicon, dissolved	7440-21-3	E421	0.100	mg/L	17.1	17.7	3.23%	20%	----
		silver, dissolved	7440-22-4	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	0.100	mg/L	222	227	2.03%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00040	mg/L	1.41	1.44	1.85%	20%	----
		sulfur, dissolved	7704-34-9	E421	1.00	mg/L	507	530	4.44%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.00060	mg/L	<0.00060	<0.00060	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00020	mg/L	0.00060	0.00062	0.00002	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000020	mg/L	0.000143	0.000142	0.0000008	Diff <2x LOR	----
		vanadium, dissolved	7440-62-2	E421	0.00100	mg/L	0.0168	0.0175	3.89%	20%	----
		zinc, dissolved	7440-66-6	E421	0.0020	mg/L	0.0032	0.0036	0.0004	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 163455)											
SK2100585-036	09-FZONE-NPAG_W8	aluminum, dissolved	7429-90-5	E421	0.0010	mg/L	0.0285	0.0300	5.20%	20%	----
		antimony, dissolved	7440-36-0	E421	0.00010	mg/L	0.00797	0.00796	0.128%	20%	----
		arsenic, dissolved	7440-38-2	E421	0.00010	mg/L	0.00279	0.00281	0.728%	20%	----
		barium, dissolved	7440-39-3	E421	0.00010	mg/L	0.0271	0.0270	0.272%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.010	mg/L	0.080	0.077	0.002	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L	0.0000052	0.0000055	0.0000004	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 163455) - continued											
SK2100585-036	09-FZONE-NPAG_W8	calcium, dissolved	7440-70-2	E421	0.050	mg/L	20.5	20.2	1.61%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000010	mg/L	0.000012	0.000010	0.000002	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00050	mg/L	0.00193	0.00198	0.00004	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00010	mg/L	0.00017	0.00018	0.000004	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00020	mg/L	0.00442	0.00431	2.59%	20%	----
		iron, dissolved	7439-89-6	E421	0.030	mg/L	<0.030	<0.030	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0010	mg/L	0.0086	0.0078	0.0008	Diff <2x LOR	----
		magnesium, dissolved	7439-95-4	E421	0.0050	mg/L	11.0	10.7	1.92%	20%	----
		manganese, dissolved	7439-96-5	E421	0.00500	mg/L	0.0135	0.0132	0.00028	Diff <2x LOR	----
		molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L	0.0113	0.0111	2.34%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00050	mg/L	0.00262	0.00261	0.000005	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	0.050	mg/L	11.6	11.2	3.24%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00020	mg/L	0.00209	0.00204	2.41%	20%	----
		selenium, dissolved	7782-49-2	E421	0.000050	mg/L	0.00364	0.00365	0.0535%	20%	----
		silicon, dissolved	7440-21-3	E421	0.050	mg/L	3.57	3.34	6.42%	20%	----
		silver, dissolved	7440-22-4	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	0.050	mg/L	165	160	2.80%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00020	mg/L	0.0580	0.0564	2.79%	20%	----
		sulfur, dissolved	7704-34-9	E421	0.50	mg/L	23.7	22.6	4.68%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000010	mg/L	0.000011	0.000011	0.0000007	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00010	mg/L	0.0300	0.0295	1.75%	20%	----
		titanium, dissolved	7440-32-6	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00010	mg/L	0.00040	0.00039	0.000007	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000010	mg/L	0.00280	0.00286	2.33%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00050	mg/L	0.00092	0.00091	0.000006	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0010	mg/L	0.0020	0.0022	0.0002	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 162512)						
conductivity	----	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 162513)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 162467)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 162468)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 162469)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 162470)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 162471)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 162472)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 162473)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 162474)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 162475)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 162476)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 162477)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 162478)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 162638)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 162639)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 162640)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Anions and Nutrients (QCLot: 162641)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 162642)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 162643)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 163122)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 163565)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Anions and Nutrients (QCLot: 163566)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Anions and Nutrients (QCLot: 164684)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Cyanides (QCLot: 163365)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----
Cyanides (QCLot: 163366)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 163454)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 163454) - continued						
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----
Dissolved Metals (QCLot: 163455)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 163455) - continued						
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 162511)									
pH	----	E108	----	pH units	6.86 pH units	100	98.0	102	----
Physical Tests (QCLot: 162512)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	98.6	90.0	110	----
Physical Tests (QCLot: 162513)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	98.6	85.0	115	----
Anions and Nutrients (QCLot: 162467)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 162468)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	104	85.0	115	----
Anions and Nutrients (QCLot: 162469)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 162470)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 162471)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 162472)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 162473)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 162474)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	104	85.0	115	----
Anions and Nutrients (QCLot: 162475)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	99.2	90.0	110	----
Anions and Nutrients (QCLot: 162476)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 162477)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 162478)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 162638)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	97.9	90.0	110	----
Anions and Nutrients (QCLot: 162639)									

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report: Spike Concentration	Recovery (%): LCS	Recovery Limits (%): Low	Recovery Limits (%): High	Qualifier
Anions and Nutrients (QCLot: 162639) - continued									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	99.7	90.0	110	----
Anions and Nutrients (QCLot: 162640)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 162641)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	99.1	90.0	110	----
Anions and Nutrients (QCLot: 162642)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	99.2	90.0	110	----
Anions and Nutrients (QCLot: 162643)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	93.9	85.0	115	----
Anions and Nutrients (QCLot: 163122)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	78.0	75.0	125	----
Anions and Nutrients (QCLot: 163565)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.32 mg/L	97.6	80.0	120	----
Anions and Nutrients (QCLot: 163566)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.32 mg/L	88.5	80.0	120	----
Anions and Nutrients (QCLot: 164684)									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.1 mg/L	91.7	85.0	115	----
Cyanides (QCLot: 163365)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	97.4	80.0	120	----
Cyanides (QCLot: 163366)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	107	80.0	120	----
Dissolved Metals (QCLot: 163454)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	98.6	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	96.3	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	102	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	98.8	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	93.7	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	95.2	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	93.5	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	101	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	97.4	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	91.7	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	101	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	98.3	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	97.3	80.0	120	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
					Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 163454) - continued									
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	104	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	93.2	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	98.3	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	102	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	96.2	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	98.1	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	104	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	97.3	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	95.7	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	98.5	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	103	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	95.1	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	103	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	102	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	97.9	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	90.5	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	94.1	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	92.5	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	93.9	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	96.6	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	95.4	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	86.6	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	101	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	102	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	99.2	80.0	120	----
Dissolved Metals (QCLot: 163455)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	107	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	96.0	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	103	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	98.8	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	102	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	96.2	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	97.2	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	101	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	99.9	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	91.6	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 163455) - continued									
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	101	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	102	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	95.8	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	102	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	95.8	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	111	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	101	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	100	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	98.0	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	98.1	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	110	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	99.4	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	98.4	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	97.3	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	110	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	96.5	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	101	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	102	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	110	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	92.9	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	94.2	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	90.6	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	93.4	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	96.2	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	97.9	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	84.6	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	101	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	101	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	101	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 162467)										
SK2100585-008	02-IF-PAG_W8	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 162468)										
SK2100585-008	02-IF-PAG_W8	bromide	24959-67-9	E235.Br	ND mg/L	0.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 162469)										
SK2100585-008	02-IF-PAG_W8	fluoride	16984-48-8	E235.F	0.861 mg/L	1 mg/L	86.1	75.0	125	----
Anions and Nutrients (QCLot: 162470)										
SK2100585-008	02-IF-PAG_W8	nitrite (as N)	14797-65-0	E235.NO2	0.550 mg/L	0.5 mg/L	110	75.0	125	----
Anions and Nutrients (QCLot: 162471)										
SK2100585-008	02-IF-PAG_W8	chloride	16887-00-6	E235.Cl	ND mg/L	100 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 162472)										
SK2100585-008	02-IF-PAG_W8	nitrate (as N)	14797-55-8	E235.NO3	2.74 mg/L	2.5 mg/L	110	75.0	125	----
Anions and Nutrients (QCLot: 162473)										
SK2100585-028	07-IF-PAG-CW_W8	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 162474)										
SK2100585-028	07-IF-PAG-CW_W8	bromide	24959-67-9	E235.Br	ND mg/L	0.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 162475)										
SK2100585-028	07-IF-PAG-CW_W8	fluoride	16984-48-8	E235.F	0.656 mg/L	1 mg/L	65.6	75.0	125	K
Anions and Nutrients (QCLot: 162476)										
SK2100585-028	07-IF-PAG-CW_W8	nitrite (as N)	14797-65-0	E235.NO2	ND mg/L	0.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 162477)										
SK2100585-028	07-IF-PAG-CW_W8	chloride	16887-00-6	E235.Cl	ND mg/L	100 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 162478)										
SK2100585-028	07-IF-PAG-CW_W8	nitrate (as N)	14797-55-8	E235.NO3	3.03 mg/L	2.5 mg/L	121	75.0	125	----
Anions and Nutrients (QCLot: 162638)										
SK2100580-002	Anonymous	fluoride	16984-48-8	E235.F	1.01 mg/L	1 mg/L	101	75.0	125	----
Anions and Nutrients (QCLot: 162639)										
SK2100580-002	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.508 mg/L	0.5 mg/L	102	75.0	125	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 162640)										
SK2100580-002	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	102 mg/L	100 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 162641)										
SK2100580-002	Anonymous	chloride	16887-00-6	E235.Cl	101 mg/L	100 mg/L	101	75.0	125	----
Anions and Nutrients (QCLot: 162642)										
SK2100580-002	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	2.51 mg/L	2.5 mg/L	100	75.0	125	----
Anions and Nutrients (QCLot: 162643)										
SK2100580-002	Anonymous	bromide	24959-67-9	E235.Br	0.53 mg/L	0.5 mg/L	105	75.0	125	----
Anions and Nutrients (QCLot: 163122)										
CG2100337-002	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	2.06 mg/L	2.5 mg/L	82.6	70.0	130	----
Anions and Nutrients (QCLot: 163565)										
CG2100344-003	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0529 mg/L	0.0676 mg/L	78.2	70.0	130	----
Anions and Nutrients (QCLot: 163566)										
SK2100585-020	05-SED-NPAG_W8	phosphorus, total	7723-14-0	E372-U	0.0654 mg/L	0.0676 mg/L	96.7	70.0	130	----
Anions and Nutrients (QCLot: 164684)										
CG2100329-015	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0785 mg/L	0.1 mg/L	78.5	75.0	125	----
Cyanides (QCLot: 163365)										
VA21A4600-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.222 mg/L	0.25 mg/L	88.9	75.0	125	----
Cyanides (QCLot: 163366)										
VA21A4600-001	Anonymous	cyanide, weak acid dissociable	----	E336	0.133 mg/L	0.125 mg/L	106	75.0	125	----
Dissolved Metals (QCLot: 163454)										
SK2100591-001	Anonymous	aluminum, dissolved	7429-90-5	E421	0.194 mg/L	0.2 mg/L	97.2	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0188 mg/L	0.02 mg/L	94.0	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0212 mg/L	0.02 mg/L	106	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0370 mg/L	0.04 mg/L	92.5	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00934 mg/L	0.01 mg/L	93.4	70.0	130	----
		boron, dissolved	7440-42-8	E421	0.090 mg/L	0.1 mg/L	89.9	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00382 mg/L	0.004 mg/L	95.5	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.00910 mg/L	0.01 mg/L	91.0	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0393 mg/L	0.04 mg/L	98.3	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0186 mg/L	0.02 mg/L	92.8	70.0	130	----
		copper, dissolved	7440-50-8	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 163454) - continued										
SK2100591-001	Anonymous	iron, dissolved	7439-89-6	E421	1.92 mg/L	2 mg/L	96.2	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0186 mg/L	0.02 mg/L	92.9	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.0905 mg/L	0.1 mg/L	90.5	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	0.0193 mg/L	0.02 mg/L	96.6	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0194 mg/L	0.02 mg/L	97.1	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0355 mg/L	0.04 mg/L	88.8	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	11.4 mg/L	10 mg/L	114	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0192 mg/L	0.02 mg/L	95.9	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0465 mg/L	0.04 mg/L	116	70.0	130	----
		silicon, dissolved	7440-21-3	E421	ND mg/L	10 mg/L	ND	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00342 mg/L	0.004 mg/L	85.6	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0387 mg/L	0.04 mg/L	96.8	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00364 mg/L	0.004 mg/L	91.0	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0200 mg/L	0.02 mg/L	100	70.0	130	----
		tin, dissolved	7440-31-5	E421	0.0182 mg/L	0.02 mg/L	91.2	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0381 mg/L	0.04 mg/L	95.3	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0198 mg/L	0.02 mg/L	99.1	70.0	130	----
		uranium, dissolved	7440-61-1	E421	ND mg/L	0.004 mg/L	ND	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.0988 mg/L	0.1 mg/L	98.8	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.370 mg/L	0.4 mg/L	92.6	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0395 mg/L	0.04 mg/L	98.8	70.0	130	----
Dissolved Metals (QCLot: 163455)										
SK2100597-005	Anonymous	aluminum, dissolved	7429-90-5	E421	0.208 mg/L	0.2 mg/L	104	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0188 mg/L	0.02 mg/L	94.1	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0208 mg/L	0.02 mg/L	104	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0357 mg/L	0.04 mg/L	89.3	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00835 mg/L	0.01 mg/L	83.5	70.0	130	----
		boron, dissolved	7440-42-8	E421	ND mg/L	0.1 mg/L	ND	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00373 mg/L	0.004 mg/L	93.2	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 163455) - continued										
SK2100597-005	Anonymous	cesium, dissolved	7440-46-2	E421	0.00915 mg/L	0.01 mg/L	91.5	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0411 mg/L	0.04 mg/L	103	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0194 mg/L	0.02 mg/L	97.1	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0180 mg/L	0.02 mg/L	89.8	70.0	130	----
		iron, dissolved	7439-89-6	E421	2.09 mg/L	2 mg/L	104	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0168 mg/L	0.02 mg/L	83.9	70.0	130	----
		lithium, dissolved	7439-93-2	E421	ND mg/L	0.1 mg/L	ND	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0201 mg/L	0.02 mg/L	100	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0368 mg/L	0.04 mg/L	92.0	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	12.4 mg/L	10 mg/L	124	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0197 mg/L	0.02 mg/L	98.7	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0460 mg/L	0.04 mg/L	115	70.0	130	----
		silicon, dissolved	7440-21-3	E421	10.8 mg/L	10 mg/L	108	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00311 mg/L	0.004 mg/L	77.9	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0372 mg/L	0.04 mg/L	92.9	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00336 mg/L	0.004 mg/L	84.0	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0185 mg/L	0.02 mg/L	92.7	70.0	130	----
		tin, dissolved	7440-31-5	E421	0.0187 mg/L	0.02 mg/L	93.7	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0424 mg/L	0.04 mg/L	106	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0191 mg/L	0.02 mg/L	95.5	70.0	130	----
		uranium, dissolved	7440-61-1	E421	ND mg/L	0.004 mg/L	ND	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.105 mg/L	0.1 mg/L	105	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.366 mg/L	0.4 mg/L	91.5	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0421 mg/L	0.04 mg/L	105	70.0	130	----

Qualifiers

Qualifier	Description
K	*Matrix Spike recovery outside ALS DQO due to sample matrix effects.*

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17

Page

Environmental Division Saskatoon

Work Order Reference SK2100585

Telephone : + 1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only):

ALS Contact:

Sampler:

Select Service Level Below - Contact your AM to co

Regular [R] ☑ Standard TAT if received by 3 pm - b

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business da | Same Day, We | (Laboratory op

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selected,

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P								
	01_TSF_W10	18-Feb-21	13:30	Leachate	1				R					Y
	01_TSF_W11	25-Feb-21	11:00	Leachate	1	R			R					Y
	01_TSF_W12	4-Mar-21	10:25	Leachate	4	R	R	R		R	R	R		Y
	01_TSF_W13	11-Mar-21	13:40	Leachate	1	R			R					Y
	02-IF-PAG_W5	18-Feb-21	13:40	Leachate	1				R					Y
	02-IF-PAG_W6	25-Feb-21	11:05	Leachate	1	R			R					Y
	02-IF-PAG_W7	4-Mar-21	10:35	Leachate	1	R			R					Y
	02-IF-PAG_W8	11-Mar-21	13:55	Leachate	3	R	R	R				R		Y
	03-SED-PAG_W5	18-Feb-21	13:50	Leachate	1				R					Y
	03-SED-PAG_W6	25-Feb-21	13:05	Leachate	1	R			R					Y
	03-SED-PAG_W7	4-Mar-21	11:05	Leachate	1	R			R					Y
	03-SED-PAG_W8	11-Mar-21	14:10	Leachate	3	R	R	R				R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
13.0							

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: March 11, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:
[illegible]	11-Mar-21	4:55

FINAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2016 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form.**

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17

Page

Environmental Division Saskatoon

Work Order Reference SK2100585

Telephone : + 1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution	
Select Report Format:	☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report	☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked	
Select Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax	jrobertson@okc-sk.com
Email 2	
Email 3	

Invoice Distribution	
Select Invoice Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax	jrobertson@okc-sk.com
Email 2	

Select Service Level Below - Contact your AM to conf			
Regular [R]	☑ Standard TAT if received by 3 pm - bu		
PRIORITY (Business Days)	4 day [P4-20%] ☐	EMERGENCY	1 Business day
	3 day [P3-25%] ☐		Same Day, Wee
	2 day [P2-50%] ☐		(Laboratory ope
Date and Time Required for all E&P TATs:			

For tests that can not be performed according to the service level selected, you ...

Project Information	
ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)	
AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only): **ALS Contact:** **Sampler:**

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P								
	04-GAB-NPAG_W5	18-Feb-21	14:00	Leachate	1				R					Y
	04-GAB-NPAG_W6	25-Feb-21	13:20	Leachate	1	R			R					Y
	04-GAB-NPAG_W7	4-Mar-21	11:15	Leachate	1	R			R					Y
	04-GAB-NPAG_W8	11-Mar-21	14:20	Leachate	3	R	R	R				R		Y
	05-SED-NPAG_W5	18-Feb-21	14:15	Leachate	1				R					Y
	05-SED-NPAG_W6	25-Feb-21	13:45	Leachate	1	R			R					Y
	05-SED-NPAG_W7	4-Mar-21	11:40	Leachate	1	R			R					Y
	05-SED-NPAG_W8	11-Mar-21	14:35	Leachate	3	R	R	R				R		Y
	06-IF-NPAG_W5	18-Feb-21	14:25	Leachate	1				R					Y
	06-IF-NPAG_W6	25-Feb-21	13:50	Leachate	1	R			R					Y
	06-IF-NPAG_W7	4-Mar-21	11:50	Leachate	1	R			R					Y
	06-IF-NPAG_W8	11-Mar-21	14:50	Leachate	3	R	R	R				R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ YES ☑ NO

Are samples for human consumption/ use? ☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: March 11, 2021	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION WHITE - LABORATORY COPY YELLOW - CLIENT COPY NOV 2016 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form.**

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17

Page

Environmental Division Saskatoon

Work Order Reference **SK2100585**

Telephone : + 1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact your AM to confi

Regular [R] ☑ Standard TAT if received by 3 pm - bus

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day | Same Day, Weel | (Laboratory ope

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selected, yo

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	Q83455	AFE/Cost Center:	PO#
Job #:	948-021	Major/Minor Code:	Routing Code:
PO / AFE:		Requisitioner:	
LSD:		Location:	
ALS Lab Work Order # (lab use only):		ALS Contact:	Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P								
	07-IF-PAG-CW_W5	18-Feb-21	15:15	Leachate	1				R					Y
	07-IF-PAG-CW_W6	25-Feb-21	14:00	Leachate	1	R			R					Y
	07-IF-PAG-CW_W7	4-Mar-21	13:00	Leachate	1	R			R					Y
	07-IF-PAG-CW_W8	11-Mar-21	14:55	Leachate	3	R	R	R				R		Y
	08-SED-PAG-CW_W5	18-Feb-21	15:20	Leachate	1				R					Y
	08-SED-PAG-CW_W6	25-Feb-21	14:15	Leachate	1	R			R					Y
	08-SED-PAG-CW_W7	4-Mar-21	13:05	Leachate	1	R			R					Y
	08-SED-PAG-CW_W8	11-Mar-21	15:05	Leachate	3	R	R	R				R		Y
	09-FZONE-NPAG_W5	18-Feb-21	10:25	Leachate	1				R					Y
	09-FZONE-NPAG_W6	25-Feb-21	14:25	Leachate	1	R			R					Y
	09-FZONE-NPAG_W7	4-Mar-21	13:30	Leachate	1	R			R					Y
	09-FZONE-NPAG_W8	11-Mar-21	15:15	Leachate	3	R	R	R				R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

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Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

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Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

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Released by: Jared Robertson	Date: March 11, 2021	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

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Environmental Division Saskatoon

Work Order Reference SK2100585

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Contact:	Jared Robertson
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City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

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Regular [R] ☑ Standard TAT if received by 3 pm - b

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Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only):

ALS Contact:

Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

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	10-ROM-SR1_W5	18-Feb-21	10:30	Leachate	1			R						Y
	10-ROM-SR1_W6	25-Feb-21	14:35	Leachate	1	R		R						Y
	10-ROM-SR1_W7	4-Mar-21	13:55	Leachate	1	R		R						Y
	10-ROM-SR1_W8	11-Mar-21	15:25	Leachate	3	R	R	R				R		Y
	11-ROM-SR2_W5	18-Feb-21	10:40	Leachate	1			R						Y
	11-ROM-SR2_W6	25-Feb-21	14:45	Leachate	1	R		R						Y
	11-ROM-SR2_W7	4-Mar-21	14:05	Leachate	1	R		R						Y
	11-ROM-SR2_W8	11-Mar-21	15:35	Leachate	3	R	R	R				R		Y

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Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: March 11, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

FINAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

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1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2100888**	Page	: 1 of 29
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 08-Apr-2021 15:45
PO	: ----	Date Analysis Commenced	: 09-Apr-2021
C-O-C number	: ----	Issue Date	: 19-Apr-2021 10:13
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 44		
No. of samples analysed	: 44		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Dwayne Bennett	Technical Specialist	Inorganics, Saskatoon, Saskatchewan
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jorden Fanson	Analyst	Inorganics, Calgary, Alberta
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Lindsay Gung	Supervisor - Water Chemistry	Inorganics, Burnaby, British Columbia
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Naeun Kim	Analyst	Inorganics, Calgary, Alberta
Rebeccah Baker	Analyst	Inorganics, Calgary, Alberta
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Sample Comments

Sample	Client Id	*Comment*
SK2100888-001	01_TSF_W14	Minimal sample provided for all samples, some past hold time

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*
SFP	*Sample was filtered and preserved at the laboratory.*

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W14	01_TSF_W15	01_TSF_W16	01_TSF_W17	02_IF_PAG_W9
					Client sampling date / time	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 13:40	18-Mar-2021 13:45
						SK2100888-001	SK2100888-002	SK2100888-003	SK2100888-004	SK2100888-005
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	2250	----	----
conductivity	----	E100	2.0	µS/cm		----	----	43100	----	----
pH	----	E108	0.10	pH units		----	----	7.85	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	376	----	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	----	459	----	----
carbonate	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	32300	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	46.5	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		25.5	25.7	23.6	24.9	2.67
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	1220	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	8930	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<1.00 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	654	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	3.04	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		7090	8020	8380	8880	106
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	657	----	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		----	----	2.56	----	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		----	----	0.0881	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	481	----	----
cation sum	----	EC101	0.10	meq/L		----	----	511	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	3.02	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	106	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00724	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W14	01_TSF_W15	01_TSF_W16	01_TSF_W17	02_IF_PAG_W9
					Client sampling date / time	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 13:40	18-Mar-2021 13:45
						SK2100888-001	SK2100888-002	SK2100888-003	SK2100888-004	SK2100888-005
						Result	Result	Result	Result	Result
Dissolved Metals										
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.474	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0773	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.00100 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	1.74	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.000602	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	692	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	<0.000500 DLDS	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	1.66	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.0642	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<1.50 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	126	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	5.11	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.764	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<2.50 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	744	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.0735	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.0807	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	4.68	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.0154	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	10200	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	3.25	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	5300	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.0100 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.000500 DLDS	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W14	01_TSF_W15	01_TSF_W16	01_TSF_W17	02_IF_PAG_W9
					Client sampling date / time	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 13:40	18-Mar-2021 13:45
						SK2100888-001	SK2100888-002	SK2100888-003	SK2100888-004	SK2100888-005
						Result	Result	Result	Result	Result
Dissolved Metals										
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.0101	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02_IF_PAG_W10	02_IF_PAG_W11	02_IF_PAG_W12	03-SED-PAG_W9	03-SED-PAG_W10
					Client sampling date / time	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 13:45	18-Mar-2021 13:45	25-Mar-2021 14:45
						SK2100888-006	SK2100888-007	SK2100888-008	SK2100888-009	SK2100888-010
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	42.9	----	----
conductivity	----	E100	2.0	µS/cm		----	----	717	----	----
pH	----	E108	0.10	pH units		----	----	8.24	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	150	----	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	----	183	----	----
carbonate	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	427	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	0.0819	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		2.79	1.88	1.63	2.26	2.26
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	0.320	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	61.7	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	0.501	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	0.145	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<0.050 DLM	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		112	92.6	102	85.0	80.8
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	0.145	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	6.90	----	----
cation sum	----	EC101	0.10	meq/L		----	----	7.21	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	2.20	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	104	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	0.0251	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.0141	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.00136	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0188	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000020	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000050	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02_IF_PAG_W10	02_IF_PAG_W11	02_IF_PAG_W12	03-SED-PAG_W9	03-SED-PAG_W10
					Client sampling date / time	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 13:45	18-Mar-2021 13:45	25-Mar-2021 14:45
						SK2100888-006	SK2100888-007	SK2100888-008	SK2100888-009	SK2100888-010
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.100	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.0000054	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	10.1	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.000073	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.00050	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	0.00020	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00258	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.030	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	0.00264	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.0061	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	4.29	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	<0.00500	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.0102	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.00123	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.050	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	6.50	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.00515	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.000974	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	3.27	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	<0.000010	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	142	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	0.0514	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	39.0	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00020	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.000010	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00010	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00616	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00030	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	0.00522	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.0132	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00050	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02_IF_PAG_W10	02_IF_PAG_W11	02_IF_PAG_W12	03-SED-PAG_W9	03-SED-PAG_W10
					Client sampling date / time	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 13:45	18-Mar-2021 13:45	25-Mar-2021 14:45
						SK2100888-006	SK2100888-007	SK2100888-008	SK2100888-009	SK2100888-010
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.0164	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00030	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W11	03-SED_PAG_W12	04-GAB-NPAG_W9	04-GAB-NPAG_W10	04-GAB-NPAG_W11
					Client sampling date / time	01-Mar-2021 12:55	08-Apr-2021 14:00	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55
						SK2100888-011	SK2100888-012	SK2100888-013	SK2100888-014	SK2100888-015
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	56.6	----	----	----
conductivity	----	E100	2.0	µS/cm		----	721	----	----	----
pH	----	E108	0.10	pH units		----	8.24	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	157	----	----	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	192	----	----	----
carbonate	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	412	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	0.0145	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		2.02	1.64	2.15	2.11	1.82
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	<0.0020	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	<0.200	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	83.8	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	0.797	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<0.020	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<0.010	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		69.4	59.0	44.0	42.9	38.6
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<0.0500	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	6.77	----	----	----
cation sum	----	EC101	0.10	meq/L		----	7.38	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	4.31	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	109	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.0351	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	0.00225	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	0.00208	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.0148	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.000020	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.000050	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W11	03-SED_PAG_W12	04-GAB-NPAG_W9	04-GAB-NPAG_W10	04-GAB-NPAG_W11
					Client sampling date / time	01-Mar-2021 12:55	08-Apr-2021 14:00	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55
						SK2100888-011	SK2100888-012	SK2100888-013	SK2100888-014	SK2100888-015
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	0.071	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	<0.0000200 DLM	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	11.8	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.000039	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	0.00059	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.00010	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	0.00153	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<0.030	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.000050	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.0107	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	6.59	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.00500	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0511	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.00108	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<0.050	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	11.0	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.00301	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	0.00221	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	2.99	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	<0.000010	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	137	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	0.0583	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	23.3	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.00020	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.000012	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.00010	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	0.00384	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.00030	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	0.00054	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.00534	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.00050	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W11	03-SED_PAG_W12	04-GAB-NPAG_W9	04-GAB-NPAG_W10	04-GAB-NPAG_W11
					Client sampling date / time	01-Mar-2021 12:55	08-Apr-2021 14:00	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55
						SK2100888-011	SK2100888-012	SK2100888-013	SK2100888-014	SK2100888-015
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.0060	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.00030	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W12	05-SED-NPAG_W9	05-SED-NPAG_W10	05-SED-NPAG_W11	05-SED-NPAG_W12
					Client sampling date / time	08-Apr-2021 14:15	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 14:30
						SK2100888-016	SK2100888-017	SK2100888-018	SK2100888-019	SK2100888-020
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		29.0	----	----	----	45.4
conductivity	----	E100	2.0	µS/cm		857	----	----	----	607
pH	----	E108	0.10	pH units		8.47	----	----	----	8.25
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		244	----	----	----	144
bicarbonate	71-52-3	E290	1.0	mg/L		288	----	----	----	176
carbonate	3812-32-6	E290	1.0	mg/L		5.2	----	----	----	<1.0
hydroxide	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	<1.0
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		491	----	----	----	348
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.156	----	----	----	0.0403
bromide	24959-67-9	E235.Br	0.10	mg/L		1.66	1.98	2.11	1.77	1.57
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		<0.0020	----	----	----	<0.0020
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		0.508	----	----	----	<0.200
chloride	16887-00-6	E235.Cl	0.50	mg/L		96.7	----	----	----	79.4
fluoride	16984-48-8	E235.F	0.020	mg/L		0.594	----	----	----	0.897
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.040 DLDS	----	----	----	<0.020
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.020 DLDS	----	----	----	<0.010
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		37.4	42.7	41.2	35.1	32.7
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	<0.0500
Ion Balance										
anion sum	----	EC101	0.10	meq/L		8.41	----	----	----	5.84
cation sum	----	EC101	0.10	meq/L		8.84	----	----	----	6.24
ion balance (cation-anion difference)	----	EC101	0.010	%		2.49	----	----	----	3.31
ion balance (cations/anions ratio)	----	EC101	0.010	%		105	----	----	----	107
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0466	----	----	----	0.0586
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00293	----	----	----	0.00238
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.0130	----	----	----	0.138
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0155	----	----	----	0.0152
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W12	05-SED-NPAG_W9	05-SED-NPAG_W10	05-SED-NPAG_W11	05-SED-NPAG_W12
					Client sampling date / time	08-Apr-2021 14:15	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 14:30
						SK2100888-016	SK2100888-017	SK2100888-018	SK2100888-019	SK2100888-020
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.104	----	----	----	0.075
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	0.0000094
calcium, dissolved	7440-70-2	E421	0.050	mg/L		6.52	----	----	----	9.80
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000362	----	----	----	0.000062
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		0.00191	----	----	----	0.00085
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00030	----	----	----	0.00040
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00291	----	----	----	0.00178
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	0.000054
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0090	----	----	----	0.0079
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		3.10	----	----	----	5.09
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.00732	----	----	----	<0.00500
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.0114	----	----	----	0.0176
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00143	----	----	----	0.00236
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		6.13	----	----	----	9.16
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00583	----	----	----	0.00330
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.00276	----	----	----	0.00139
silicon, dissolved	7440-21-3	E421	0.050	mg/L		2.97	----	----	----	2.78
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		186	----	----	----	117
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0230	----	----	----	0.0429
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		15.4	----	----	----	12.6
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000027	----	----	----	0.000010
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.00412	----	----	----	0.00604
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00187	----	----	----	0.00126
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.0218	----	----	----	0.00685
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00750	----	----	----	0.00189

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W12	05-SED-NPAG_W9	05-SED-NPAG_W10	05-SED-NPAG_W11	05-SED-NPAG_W12
					Client sampling date / time	08-Apr-2021 14:15	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 14:30
						SK2100888-016	SK2100888-017	SK2100888-018	SK2100888-019	SK2100888-020
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0244	----	----	----	0.0145
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W9	06-IF-NPAG_W10	06-IF-NPAG_W11	06-IF-NPAG_W12	07-IF-PAG-CW_W9
					Client sampling date / time	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 14:35	18-Mar-2021 13:45
						SK2100888-021	SK2100888-022	SK2100888-023	SK2100888-024	SK2100888-025
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	----	54.9	----
conductivity	----	E100	2.0	µS/cm		----	----	----	585	----
pH	----	E108	0.10	pH units		----	----	----	8.25	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	----	146	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	----	----	178	----
carbonate	3812-32-6	E290	1.0	mg/L		----	----	----	<1.0	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	----	----	<1.0	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	----	345	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	0.0555	----
bromide	24959-67-9	E235.Br	0.10	mg/L		2.11	2.38	2.13	1.94	347
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	----	<0.0020	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	----	0.225	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	----	67.9	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	----	0.475	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	----	<0.100 DLM	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	----	<0.050 DLM	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		51.4	46.9	41.4	42.4	2710
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	----	<0.112	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	----	5.74	----
cation sum	----	EC101	0.10	meq/L		----	----	----	5.99	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	----	2.13	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	----	104	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0096	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.0208	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.00182	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0227	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000050	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W9	06-IF-NPAG_W10	06-IF-NPAG_W11	06-IF-NPAG_W12	07-IF-PAG-CW_W9
					Client sampling date / time	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 14:35	18-Mar-2021 13:45
						SK2100888-021	SK2100888-022	SK2100888-023	SK2100888-024	SK2100888-025
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.112	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	----	13.4	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	0.000067	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	0.00055	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	<0.00010	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00157	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	----	<0.030	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0140	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	----	5.20	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	----	<0.00500	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.00831	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	0.00118	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.050	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	----	14.2	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.00996	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.000915	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	3.69	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	----	104	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	0.111	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	15.9	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	0.000010	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00010	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00579	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	0.00202	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.00577	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00050	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W9	06-IF-NPAG_W10	06-IF-NPAG_W11	06-IF-NPAG_W12	07-IF-PAG-CW_W9
					Client sampling date / time	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 14:35	18-Mar-2021 13:45
						SK2100888-021	SK2100888-022	SK2100888-023	SK2100888-024	SK2100888-025
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0134	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00030	----
dissolved metals filtration location	----	EP421	-	-		----	----	----	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W10	07-IF-PAG-CW_W11	07-IF-PAG-CW_W12	08-SED-PAG-CW_W9	08-SED-PAG-CW_W10
					Client sampling date / time	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 14:45	18-Mar-2021 13:45	25-Mar-2021 14:45
						SK2100888-026	SK2100888-027	SK2100888-028	SK2100888-029	SK2100888-030
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	11700	----	----
conductivity	----	E100	2.0	µS/cm		----	----	73300	----	----
pH	----	E108	0.10	pH units		----	----	7.44	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	66.5	----	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	----	81.2	----	----
carbonate	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	53700	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	3.55	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		353	323	297	472	426
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	3.92	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	31700	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<6.00 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<6.00 DLDS	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<3.00 DLDS	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		2860	2970	3140	2960	2900
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<6.71	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	961	----	----
cation sum	----	EC101	0.10	meq/L		----	----	893	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	3.67	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	92.9	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.100 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.208	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.00200 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W10	07-IF-PAG-CW_W11	07-IF-PAG-CW_W12	08-SED-PAG-CW_W9	08-SED-PAG-CW_W10
					Client sampling date / time	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 14:45	18-Mar-2021 13:45	25-Mar-2021 14:45
						SK2100888-026	SK2100888-027	SK2100888-028	SK2100888-029	SK2100888-030
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	<1.00 DLDS	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.00131	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	1530	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.0155	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.0500 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	<0.0200 DLDS	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<3.00 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.232	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	1920	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	<0.500 DLDS	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.00734	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.0558	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<5.00 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	571	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.507	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	<5.00 DLDS	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.00216	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	14800	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	34.7	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	1100	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.0200 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.00100 DLDS	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.0300 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.0201	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.0500 DLDS	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W10	07-IF-PAG-CW_W11	07-IF-PAG-CW_W12	08-SED-PAG-CW_W9	08-SED-PAG-CW_W10
					Client sampling date / time	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 14:45	18-Mar-2021 13:45	25-Mar-2021 14:45
						SK2100888-026	SK2100888-027	SK2100888-028	SK2100888-029	SK2100888-030
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.357	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.0300 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W11	08-SED-PAG-CW_W12	09-FZONE-NPAG_W9	09-FZONE-NPAG_W10	09-FZONE-NPAG_W11
					Client sampling date / time	01-Apr-2021 12:55	08-Apr-2021 14:55	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55
						SK2100888-031	SK2100888-032	SK2100888-033	SK2100888-034	SK2100888-035
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	12200	----	----	----
conductivity	----	E100	2.0	µS/cm		----	74100	----	----	----
pH	----	E108	0.10	pH units		----	7.44	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	50.8	----	----	----
bicarbonate	71-52-3	E290	1.0	mg/L		----	61.9	----	----	----
carbonate	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
hydroxide	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	53600	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	3.74	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		351	295	2.06	1.75	1.40
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	<0.0020	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	3.98	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	31700	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	<6.00 DLDS	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<6.00 DLDS	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<3.00 DLDS	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		2950	3130	45.8	41.6	31.0
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<6.71	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	960	----	----	----
cation sum	----	EC101	0.10	meq/L		----	893	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	3.62	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	93.0	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	<0.100 DLDS	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.196	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.00200 DLDS	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W11	08-SED-PAG-CW_W12	09-FZONE-NPAG_W9	09-FZONE-NPAG_W10	09-FZONE-NPAG_W11
					Client sampling date / time	01-Apr-2021 12:55	08-Apr-2021 14:55	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55
						SK2100888-031	SK2100888-032	SK2100888-033	SK2100888-034	SK2100888-035
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	<1.00 DLDS	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.00329	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	1630	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.00722	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.0241	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<3.00 DLDS	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.241	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	1970	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.500 DLDS	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0224	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.195	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	567	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.192	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	0.00120	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	14600	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	36.3	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	1120	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.00109	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.0370	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W11	08-SED-PAG-CW_W12	09-FZONE-NPAG_W9	09-FZONE-NPAG_W10	09-FZONE-NPAG_W11
					Client sampling date / time	01-Apr-2021 12:55	08-Apr-2021 14:55	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55
						SK2100888-031	SK2100888-032	SK2100888-033	SK2100888-034	SK2100888-035
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.245	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W12	10-ROM-SR1_W9	10-ROM-SR1_W10	10-ROM-SR1_W11	10-ROM-SR1_W12
					Client sampling date / time	08-Apr-2021 15:00	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 15:05
						SK2100888-036	SK2100888-037	SK2100888-038	SK2100888-039	SK2100888-040
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		56.2	146	121	102	96.1
conductivity	----	E100	2.0	µS/cm		490	621	483	357	346
pH	----	E108	0.10	pH units		8.31	7.99	8.02	8.00	7.98
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		148	82.1	79.4	73.7	71.3
bicarbonate	71-52-3	E290	1.0	mg/L		180	100	96.8	89.9	87.0
carbonate	3812-32-6	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	<1.0
hydroxide	14280-30-9	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	<1.0
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		261	366	288	212	206
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.0132	----	----	----	0.804
bromide	24959-67-9	E235.Br	0.10	mg/L		1.08	0.17	0.14	<0.10	<0.10
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		0.0736	----	----	----	0.0082
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		<0.200	----	----	----	1.15
chloride	16887-00-6	E235.Cl	0.50	mg/L		31.7	60.0	41.1	25.1	22.0
fluoride	16984-48-8	E235.F	0.020	mg/L		0.662	0.149	0.131	0.108	0.130
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020	6.54	4.50	2.78	2.46
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010	0.027	0.024	0.019	0.034
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		28.6	100	80.3	56.0	58.2
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	6.57	4.52	2.80	2.49
Ion Balance										
anion sum	----	EC101	0.10	meq/L		4.48	5.89	4.75	3.55	3.44
cation sum	----	EC101	0.10	meq/L		4.64	5.86	4.60	3.49	3.22
ion balance (cation-anion difference)	----	EC101	0.010	%		1.75	0.255	1.60	0.852	3.30
ion balance (cations/anions ratio)	----	EC101	0.010	%		104	99.5	96.8	98.3	93.6
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0455	----	----	----	0.0256
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00698	----	----	----	0.00047
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.00260	----	----	----	0.0228
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0186	----	----	----	0.0187
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W12	10-ROM-SR1_W9	10-ROM-SR1_W10	10-ROM-SR1_W11	10-ROM-SR1_W12
					Client sampling date / time	08-Apr-2021 15:00	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 15:05
						SK2100888-036	SK2100888-037	SK2100888-038	SK2100888-039	SK2100888-040
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.083	----	----	----	0.443
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	0.0000052
calcium, dissolved	7440-70-2	E421	0.050	mg/L		12.8	37.2	30.8	27.2	25.5
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000010	----	----	----	0.000095
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00050	----	----	----	<0.00050
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00012	----	----	----	0.00016
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00312	----	----	----	0.00112
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	<0.030	<0.030	<0.030	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	0.000090
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0048	----	----	----	0.0036
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		5.90	13.0	10.8	8.18	7.87
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.0151	0.0401	0.0390	0.0365	0.0275
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00810	----	----	----	0.00304
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00178	----	----	----	0.00082
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		7.19	7.02	5.45	4.02	4.22
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00141	----	----	----	0.00326
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.00133	----	----	----	0.000346
silicon, dissolved	7440-21-3	E421	0.050	mg/L		3.30	----	----	----	2.55
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		76.4	63.2	46.8	31.2	26.1
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0344	----	----	----	0.145
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		10.6	----	----	----	19.1
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		<0.000010	----	----	----	<0.000010
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.0260	----	----	----	0.00520
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00032	----	----	----	0.00039
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.00286	----	----	----	0.00123
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00096	----	----	----	<0.00050

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W12	10-ROM-SR1_W9	10-ROM-SR1_W10	10-ROM-SR1_W11	10-ROM-SR1_W12
					Client sampling date / time	08-Apr-2021 15:00	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 15:05
						SK2100888-036	SK2100888-037	SK2100888-038	SK2100888-039	SK2100888-040
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0022	----	----	----	<0.0010
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
dissolved metals filtration location	----	EP421	-	-		Field	Laboratory SFP	Laboratory SFP	Laboratory SFP	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	11-ROM-SR2_ W9	11-ROM-SR2_ W10	11-ROM-SR2_ W11	11-ROM-SR2_ W12	----
					Client sampling date / time	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 15:15	----
						SK2100888-041	SK2100888-042	SK2100888-043	SK2100888-044	--------
						Result	Result	Result	Result	----
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		116	109	104	94.3	----
conductivity	----	E100	2.0	µS/cm		492	426	401	397	----
pH	----	E108	0.10	pH units		7.99	7.91	7.92	7.91	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		66.8	58.6	56.6	56.9	----
bicarbonate	71-52-3	E290	1.0	mg/L		81.5	71.4	69.0	69.4	----
carbonate	3812-32-6	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	----
hydroxide	14280-30-9	E290	1.0	mg/L		<1.0	<1.0	<1.0	<1.0	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		282	243	232	225	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	0.0128	----
bromide	24959-67-9	E235.Br	0.10	mg/L		0.21	0.16	0.15	0.13	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	----	0.0128	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	----	0.277	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		68.8	55.3	52.2	49.0	----
fluoride	16984-48-8	E235.F	0.020	mg/L		0.080	0.068	0.062	0.076	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		3.12	2.50	2.38	2.13	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		0.040	0.026	0.021	0.025	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		56.1	50.2	54.2	55.5	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		3.16	2.53	2.40	2.16	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		4.67	3.96	3.91	3.83	----
cation sum	----	EC101	0.10	meq/L		4.67	4.21	3.84	3.49	----
ion balance (cation-anion difference)	----	EC101	0.010	%		<0.010	3.06	0.903	4.64	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		100	106	98.2	91.1	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0310	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.00020	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.00725	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0182	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000050	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	11-ROM-SR2_ W9	11-ROM-SR2_ W10	11-ROM-SR2_ W11	11-ROM-SR2_ W12	----
					Client sampling date / time	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 15:15	----
						SK2100888-041	SK2100888-042	SK2100888-043	SK2100888-044	--------
						Result	Result	Result	Result	----
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.200	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	0.0000078	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		29.6	28.3	26.9	24.3	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	0.000034	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	0.00024	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00359	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	<0.030	<0.030	<0.030	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	0.000086	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0062	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		10.2	9.37	8.93	8.17	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.132	0.113	0.109	0.0718	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.00142	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	0.00115	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.050	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		3.10	2.78	2.59	2.61	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.00127	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.000129	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	2.43	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		52.2	44.9	38.9	35.2	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	0.108	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	17.7	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00010	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00481	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	0.00045	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.000761	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00050	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	11-ROM-SR2_ W9	11-ROM-SR2_ W10	11-ROM-SR2_ W11	11-ROM-SR2_ W12	----
					Client sampling date / time	18-Mar-2021 13:45	25-Mar-2021 14:45	01-Apr-2021 12:55	08-Apr-2021 15:15	----
						SK2100888-041	**SK2100888-042**	**SK2100888-043**	**SK2100888-044**	--------
						Result	Result	Result	Result	----
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0080	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00030	----
dissolved metals filtration location	----	EP421	-	-		Laboratory SFP	Laboratory SFP	Laboratory SFP	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2100888**	Page	: 1 of 37
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 08-Apr-2021 15:45
PO	: ----	Issue Date	: 19-Apr-2021 10:13
C-O-C number	: ----		
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 44		
No. of samples analysed	: 44		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers occur - please see following pages for full details.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 15:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 15:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
01_TSF_W16	E298	01-Apr-2021	14-Apr-2021	28 days	12 days	✓	14-Apr-2021	15 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
02_IF_PAG_W12	E298	08-Apr-2021	14-Apr-2021	28 days	5 days	✓	14-Apr-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
03-SED_PAG_W12	E298	08-Apr-2021	14-Apr-2021	28 days	5 days	✓	14-Apr-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W12	E298	08-Apr-2021	14-Apr-2021	28 days	5 days	✓	14-Apr-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W12	E298	08-Apr-2021	14-Apr-2021	28 days	5 days	✓	14-Apr-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W12	E298	08-Apr-2021	14-Apr-2021	28 days	5 days	✓	14-Apr-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W12	E298	08-Apr-2021	14-Apr-2021	28 days	5 days	✓	14-Apr-2021	22 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W12	E298	08-Apr-2021	14-Apr-2021	28 days	5 days	✓	14-Apr-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W12	E298	08-Apr-2021	14-Apr-2021	28 days	5 days	✓	14-Apr-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
10-ROM-SR1_W12	E298	08-Apr-2021	14-Apr-2021	28 days	5 days	✓	14-Apr-2021	22 days	0 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
11-ROM-SR2_W12	E298	08-Apr-2021	14-Apr-2021	28 days	5 days	✓	14-Apr-2021	22 days	0 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
01_TSF_W15	E235.Br	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
02_IF_PAG_W10	E235.Br	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
03-SED-PAG_W10	E235.Br	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
04-GAB-NPAG_W10	E235.Br	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W10	E235.Br	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE 06-IF-NPAG_W10	E235.Br	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 07-IF-PAG-CW_W10	E235.Br	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 08-SED-PAG-CW_W10	E235.Br	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 09-FZONE-NPAG_W10	E235.Br	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 10-ROM-SR1_W10	E235.Br	25-Mar-2021	----	----	----		10-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 11-ROM-SR2_W10	E235.Br	25-Mar-2021	----	----	----		10-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 01_TSF_W17	E235.Br	08-Apr-2021	----	----	----		11-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 02_IF_PAG_W12	E235.Br	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 03-SED_PAG_W12	E235.Br	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE 04-GAB-NPAG_W12	E235.Br	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 05-SED-NPAG_W12	E235.Br	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 06-IF-NPAG_W12	E235.Br	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 07-IF-PAG-CW_W12	E235.Br	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 08-SED-PAG-CW_W12	E235.Br	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 09-FZONE-NPAG_W12	E235.Br	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 10-ROM-SR1_W12	E235.Br	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 11-ROM-SR2_W12	E235.Br	08-Apr-2021	----	----	----		11-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 01_TSF_W14	E235.Br	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
02_IF_PAG_W9	E235.Br	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
03-SED-PAG_W9	E235.Br	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
04-GAB-NPAG_W9	E235.Br	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W9	E235.Br	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W9	E235.Br	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
07-IF-PAG-CW_W9	E235.Br	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
08-SED-PAG-CW_W9	E235.Br	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
09-FZONE-NPAG_W9	E235.Br	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
10-ROM-SR1_W9	E235.Br	18-Mar-2021	----	----	----		10-Apr-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
11-ROM-SR2_W9	E235.Br	18-Mar-2021	----	----	----		10-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
03-SED-PAG_W11	E235.Br	01-Mar-2021	----	----	----		10-Apr-2021	28 days	40 days	× EHTR
Anions and Nutrients : Bromide in Water by IC										
HDPE										
01_TSF_W16	E235.Br	01-Apr-2021	----	----	----		10-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
02_IF_PAG_W11	E235.Br	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
04-GAB-NPAG_W11	E235.Br	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W11	E235.Br	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W11	E235.Br	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
07-IF-PAG-CW_W11	E235.Br	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
08-SED-PAG-CW_W11	E235.Br	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
09-FZONE-NPAG_W11	E235.Br	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
10-ROM-SR1_W11	E235.Br	01-Apr-2021	----	----	----		10-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
11-ROM-SR2_W11	E235.Br	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
10-ROM-SR1_W10	E235.Cl	25-Mar-2021	----	----	----		10-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
11-ROM-SR2_W10	E235.Cl	25-Mar-2021	----	----	----		10-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
02_IF_PAG_W12	E235.Cl	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
03-SED_PAG_W12	E235.Cl	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
04-GAB-NPAG_W12	E235.Cl	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
05-SED-NPAG_W12	E235.Cl	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE 06-IF-NPAG_W12	E235.Cl	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 07-IF-PAG-CW_W12	E235.Cl	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 08-SED-PAG-CW_W12	E235.Cl	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 09-FZONE-NPAG_W12	E235.Cl	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 10-ROM-SR1_W12	E235.Cl	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 11-ROM-SR2_W12	E235.Cl	08-Apr-2021	----	----	----		11-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 10-ROM-SR1_W9	E235.Cl	18-Mar-2021	----	----	----		10-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 11-ROM-SR2_W9	E235.Cl	18-Mar-2021	----	----	----		10-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 01_TSF_W16	E235.Cl	01-Apr-2021	----	----	----		10-Apr-2021	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE										
10-ROM-SR1_W11	E235.Cl	01-Apr-2021	----	----	----		10-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
11-ROM-SR2_W11	E235.Cl	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W10	E235.F	25-Mar-2021	----	----	----		10-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W10	E235.F	25-Mar-2021	----	----	----		10-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
02_IF_PAG_W12	E235.F	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
03-SED_PAG_W12	E235.F	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
04-GAB-NPAG_W12	E235.F	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
05-SED-NPAG_W12	E235.F	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
06-IF-NPAG_W12	E235.F	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
07-IF-PAG-CW_W12	E235.F	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
08-SED-PAG-CW_W12	E235.F	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
09-FZONE-NPAG_W12	E235.F	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W12	E235.F	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W12	E235.F	08-Apr-2021	----	----	----		11-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W9	E235.F	18-Mar-2021	----	----	----		10-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W9	E235.F	18-Mar-2021	----	----	----		10-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
01_TSF_W16	E235.F	01-Apr-2021	----	----	----		10-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
10-ROM-SR1_W11	E235.F	01-Apr-2021	----	----	----		10-Apr-2021	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
11-ROM-SR2_W11	E235.F	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
10-ROM-SR1_W10	E235.NO3	25-Mar-2021	----	----	----		10-Apr-2021	3 days	16 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
11-ROM-SR2_W10	E235.NO3	25-Mar-2021	----	----	----		10-Apr-2021	3 days	16 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
02_IF_PAG_W12	E235.NO3	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
03-SED_PAG_W12	E235.NO3	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
04-GAB-NPAG_W12	E235.NO3	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
05-SED-NPAG_W12	E235.NO3	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
06-IF-NPAG_W12	E235.NO3	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
07-IF-PAG-CW_W12	E235.NO3	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE 08-SED-PAG-CW_W12	E235.NO3	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 09-FZONE-NPAG_W12	E235.NO3	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 10-ROM-SR1_W12	E235.NO3	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 11-ROM-SR2_W12	E235.NO3	08-Apr-2021	----	----	----		11-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 10-ROM-SR1_W9	E235.NO3	18-Mar-2021	----	----	----		10-Apr-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE 11-ROM-SR2_W9	E235.NO3	18-Mar-2021	----	----	----		10-Apr-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE 01_TSF_W16	E235.NO3	01-Apr-2021	----	----	----		10-Apr-2021	3 days	9 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE 10-ROM-SR1_W11	E235.NO3	01-Apr-2021	----	----	----		10-Apr-2021	3 days	9 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE 11-ROM-SR2_W11	E235.NO3	01-Apr-2021	----	----	----		11-Apr-2021	3 days	9 days	× EHTR

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE 10-ROM-SR1_W10	E235.NO2	25-Mar-2021	----	----	----		10-Apr-2021	3 days	16 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE 11-ROM-SR2_W10	E235.NO2	25-Mar-2021	----	----	----		10-Apr-2021	3 days	16 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE 02_IF_PAG_W12	E235.NO2	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 03-SED_PAG_W12	E235.NO2	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 04-GAB-NPAG_W12	E235.NO2	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 05-SED-NPAG_W12	E235.NO2	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 06-IF-NPAG_W12	E235.NO2	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 07-IF-PAG-CW_W12	E235.NO2	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 08-SED-PAG-CW_W12	E235.NO2	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
09-FZONE-NPAG_W12	E235.NO2	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
10-ROM-SR1_W12	E235.NO2	08-Apr-2021	----	----	----		10-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
11-ROM-SR2_W12	E235.NO2	08-Apr-2021	----	----	----		11-Apr-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
10-ROM-SR1_W9	E235.NO2	18-Mar-2021	----	----	----		10-Apr-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
11-ROM-SR2_W9	E235.NO2	18-Mar-2021	----	----	----		10-Apr-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
01_TSF_W16	E235.NO2	01-Apr-2021	----	----	----		10-Apr-2021	3 days	9 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
10-ROM-SR1_W11	E235.NO2	01-Apr-2021	----	----	----		10-Apr-2021	3 days	9 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
11-ROM-SR2_W11	E235.NO2	01-Apr-2021	----	----	----		11-Apr-2021	3 days	9 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W15	E235.SO4	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02_IF_PAG_W10	E235.SO4	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W10	E235.SO4	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W10	E235.SO4	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W10	E235.SO4	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W10	E235.SO4	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W10	E235.SO4	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W10	E235.SO4	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W10	E235.SO4	25-Mar-2021	----	----	----		11-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W10	E235.SO4	25-Mar-2021	----	----	----		10-Apr-2021	28 days	16 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W10	E235.SO4	25-Mar-2021	----	----	----		10-Apr-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W17	E235.SO4	08-Apr-2021	----	----	----		11-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02_IF_PAG_W12	E235.SO4	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED_PAG_W12	E235.SO4	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W12	E235.SO4	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W12	E235.SO4	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W12	E235.SO4	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W12	E235.SO4	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W12	E235.SO4	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓

Matrix: **Water**

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Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W12	E235.SO4	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W12	E235.SO4	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W12	E235.SO4	08-Apr-2021	----	----	----		11-Apr-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W14	E235.SO4	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02_IF_PAG_W9	E235.SO4	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W9	E235.SO4	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W9	E235.SO4	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W9	E235.SO4	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W9	E235.SO4	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W9	E235.SO4	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W9	E235.SO4	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W9	E235.SO4	18-Mar-2021	----	----	----		11-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W9	E235.SO4	18-Mar-2021	----	----	----		10-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W9	E235.SO4	18-Mar-2021	----	----	----		10-Apr-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W11	E235.SO4	01-Mar-2021	----	----	----		10-Apr-2021	28 days	40 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W16	E235.SO4	01-Apr-2021	----	----	----		10-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02_IF_PAG_W11	E235.SO4	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W11	E235.SO4	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W11	E235.SO4	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W11	E235.SO4	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W11	E235.SO4	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W11	E235.SO4	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W11	E235.SO4	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
10-ROM-SR1_W11	E235.SO4	01-Apr-2021	----	----	----		10-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
11-ROM-SR2_W11	E235.SO4	01-Apr-2021	----	----	----		11-Apr-2021	28 days	9 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
01_TSF_W16	E318	01-Apr-2021	13-Apr-2021	28 days	11 days	✓	13-Apr-2021	16 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
02_IF_PAG_W12	E318	08-Apr-2021	13-Apr-2021	28 days	4 days	✓	13-Apr-2021	23 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 03-SED_PAG_W12	E318	08-Apr-2021	13-Apr-2021	28 days	4 days	✓	13-Apr-2021	23 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 04-GAB-NPAG_W12	E318	08-Apr-2021	13-Apr-2021	28 days	4 days	✓	13-Apr-2021	23 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 05-SED-NPAG_W12	E318	08-Apr-2021	13-Apr-2021	28 days	4 days	✓	13-Apr-2021	23 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 06-IF-NPAG_W12	E318	08-Apr-2021	13-Apr-2021	28 days	4 days	✓	13-Apr-2021	23 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 07-IF-PAG-CW_W12	E318	08-Apr-2021	13-Apr-2021	28 days	4 days	✓	13-Apr-2021	23 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 08-SED-PAG-CW_W12	E318	08-Apr-2021	13-Apr-2021	28 days	4 days	✓	13-Apr-2021	23 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 09-FZONE-NPAG_W12	E318	08-Apr-2021	13-Apr-2021	28 days	4 days	✓	13-Apr-2021	23 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 10-ROM-SR1_W12	E318	08-Apr-2021	13-Apr-2021	28 days	4 days	✓	13-Apr-2021	23 days	0 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 11-ROM-SR2_W12	E318	08-Apr-2021	13-Apr-2021	28 days	4 days	✓	13-Apr-2021	23 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
01_TSF_W16	E372-U	01-Apr-2021	16-Apr-2021	28 days	14 days	✓	16-Apr-2021	13 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
02_IF_PAG_W12	E372-U	08-Apr-2021	16-Apr-2021	28 days	7 days	✓	16-Apr-2021	20 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
03-SED_PAG_W12	E372-U	08-Apr-2021	16-Apr-2021	28 days	7 days	✓	16-Apr-2021	20 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W12	E372-U	08-Apr-2021	16-Apr-2021	28 days	7 days	✓	16-Apr-2021	20 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W12	E372-U	08-Apr-2021	16-Apr-2021	28 days	7 days	✓	16-Apr-2021	20 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W12	E372-U	08-Apr-2021	16-Apr-2021	28 days	7 days	✓	16-Apr-2021	20 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W12	E372-U	08-Apr-2021	16-Apr-2021	28 days	7 days	✓	16-Apr-2021	20 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W12	E372-U	08-Apr-2021	16-Apr-2021	28 days	7 days	✓	16-Apr-2021	20 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W12	E372-U	08-Apr-2021	16-Apr-2021	28 days	7 days	✓	16-Apr-2021	20 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
10-ROM-SR1_W12	E372-U	08-Apr-2021	16-Apr-2021	28 days	7 days	✓	16-Apr-2021	20 days	0 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
11-ROM-SR2_W12	E372-U	08-Apr-2021	16-Apr-2021	28 days	7 days	✓	16-Apr-2021	20 days	0 days	✓
Cyanides : Total Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W16	E333	01-Apr-2021	----	----	----		15-Apr-2021	14 days	13 days	✓
Cyanides : WAD Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W16	E336	01-Apr-2021	----	----	----		15-Apr-2021	14 days	13 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
01_TSF_W16	E421	01-Apr-2021	12-Apr-2021	180 days	10 days	✓	12-Apr-2021	169 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE										
10-ROM-SR1_W11	E421	01-Apr-2021	12-Apr-2021	180 days	10 days	✓	12-Apr-2021	169 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE										
11-ROM-SR2_W11	E421	01-Apr-2021	12-Apr-2021	180 days	10 days	✓	12-Apr-2021	169 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE										
10-ROM-SR1_W10	E421	25-Mar-2021	12-Apr-2021	180 days	17 days	✓	12-Apr-2021	162 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE										
11-ROM-SR2_W10	E421	25-Mar-2021	12-Apr-2021	180 days	17 days	✓	12-Apr-2021	162 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE										
10-ROM-SR1_W9	E421	18-Mar-2021	12-Apr-2021	180 days	24 days	✓	12-Apr-2021	155 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE										
11-ROM-SR2_W9	E421	18-Mar-2021	12-Apr-2021	180 days	24 days	✓	12-Apr-2021	155 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
02_IF_PAG_W12	E421	08-Apr-2021	12-Apr-2021	180 days	3 days	✓	12-Apr-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
03-SED_PAG_W12	E421	08-Apr-2021	12-Apr-2021	180 days	3 days	✓	12-Apr-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
04-GAB-NPAG_W12	E421	08-Apr-2021	12-Apr-2021	180 days	3 days	✓	12-Apr-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
05-SED-NPAG_W12	E421	08-Apr-2021	12-Apr-2021	180 days	3 days	✓	12-Apr-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
06-IF-NPAG_W12	E421	08-Apr-2021	12-Apr-2021	180 days	3 days	✓	12-Apr-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
07-IF-PAG-CW_W12	E421	08-Apr-2021	12-Apr-2021	180 days	3 days	✓	12-Apr-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
08-SED-PAG-CW_W12	E421	08-Apr-2021	12-Apr-2021	180 days	3 days	✓	12-Apr-2021	176 days	0 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 09-FZONE-NPAG_W12	E421	08-Apr-2021	12-Apr-2021	180 days	3 days	✓	12-Apr-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 10-ROM-SR1_W12	E421	08-Apr-2021	12-Apr-2021	180 days	3 days	✓	12-Apr-2021	176 days	0 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 11-ROM-SR2_W12	E421	08-Apr-2021	12-Apr-2021	180 days	3 days	✓	12-Apr-2021	176 days	0 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 04-GAB-NPAG_W12	E290	08-Apr-2021	----	----	----		10-Apr-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 05-SED-NPAG_W12	E290	08-Apr-2021	----	----	----		10-Apr-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 06-IF-NPAG_W12	E290	08-Apr-2021	----	----	----		10-Apr-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 07-IF-PAG-CW_W12	E290	08-Apr-2021	----	----	----		10-Apr-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 08-SED-PAG-CW_W12	E290	08-Apr-2021	----	----	----		10-Apr-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 09-FZONE-NPAG_W12	E290	08-Apr-2021	----	----	----		10-Apr-2021	14 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Alkalinity Species by Titration										
HDPE 10-ROM-SR1_W12	E290	08-Apr-2021	----	----	----		10-Apr-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 11-ROM-SR2_W12	E290	08-Apr-2021	----	----	----		10-Apr-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 10-ROM-SR1_W10	E290	25-Mar-2021	----	----	----		10-Apr-2021	14 days	15 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 11-ROM-SR2_W10	E290	25-Mar-2021	----	----	----		10-Apr-2021	14 days	15 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 02_IF_PAG_W12	E290	08-Apr-2021	----	----	----		10-Apr-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 03-SED_PAG_W12	E290	08-Apr-2021	----	----	----		10-Apr-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 10-ROM-SR1_W9	E290	18-Mar-2021	----	----	----		10-Apr-2021	14 days	23 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 11-ROM-SR2_W9	E290	18-Mar-2021	----	----	----		10-Apr-2021	14 days	23 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 01_TSF_W16	E290	01-Apr-2021	----	----	----		10-Apr-2021	14 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Alkalinity Species by Titration										
HDPE										
10-ROM-SR1_W11	E290	01-Apr-2021	----	----	----		10-Apr-2021	14 days	9 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
11-ROM-SR2_W11	E290	01-Apr-2021	----	----	----		10-Apr-2021	14 days	9 days	✓
Physical Tests : Conductivity in Water										
HDPE										
04-GAB-NPAG_W12	E100	08-Apr-2021	----	----	----		10-Apr-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
05-SED-NPAG_W12	E100	08-Apr-2021	----	----	----		10-Apr-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
06-IF-NPAG_W12	E100	08-Apr-2021	----	----	----		10-Apr-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
07-IF-PAG-CW_W12	E100	08-Apr-2021	----	----	----		10-Apr-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
08-SED-PAG-CW_W12	E100	08-Apr-2021	----	----	----		10-Apr-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
09-FZONE-NPAG_W12	E100	08-Apr-2021	----	----	----		10-Apr-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
10-ROM-SR1_W12	E100	08-Apr-2021	----	----	----		10-Apr-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE										
11-ROM-SR2_W12	E100	08-Apr-2021	----	----	----		10-Apr-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
10-ROM-SR1_W10	E100	25-Mar-2021	----	----	----		10-Apr-2021	28 days	15 days	✓
Physical Tests : Conductivity in Water										
HDPE										
11-ROM-SR2_W10	E100	25-Mar-2021	----	----	----		10-Apr-2021	28 days	15 days	✓
Physical Tests : Conductivity in Water										
HDPE										
02_IF_PAG_W12	E100	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE										
03-SED_PAG_W12	E100	08-Apr-2021	----	----	----		10-Apr-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE										
10-ROM-SR1_W9	E100	18-Mar-2021	----	----	----		10-Apr-2021	28 days	23 days	✓
Physical Tests : Conductivity in Water										
HDPE										
11-ROM-SR2_W9	E100	18-Mar-2021	----	----	----		10-Apr-2021	28 days	23 days	✓
Physical Tests : Conductivity in Water										
HDPE										
01_TSF_W16	E100	01-Apr-2021	----	----	----		10-Apr-2021	28 days	9 days	✓
Physical Tests : Conductivity in Water										
HDPE										
10-ROM-SR1_W11	E100	01-Apr-2021	----	----	----		10-Apr-2021	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE 11-ROM-SR2_W11	E100	01-Apr-2021	----	----	----		10-Apr-2021	28 days	9 days	✓
Physical Tests : pH by Meter										
HDPE 01_TSF_W16	E108	01-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	217 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 10-ROM-SR1_W11	E108	01-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	217 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W11	E108	01-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	217 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 10-ROM-SR1_W10	E108	25-Mar-2021	----	----	----		10-Apr-2021	0.25 hrs	383 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W10	E108	25-Mar-2021	----	----	----		10-Apr-2021	0.25 hrs	383 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 10-ROM-SR1_W12	E108	08-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	46 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W12	E108	08-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	46 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 04-GAB-NPAG_W12	E108	08-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	47 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE 05-SED-NPAG_W12	E108	08-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	47 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 06-IF-NPAG_W12	E108	08-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	47 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 07-IF-PAG-CW_W12	E108	08-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	47 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 08-SED-PAG-CW_W12	E108	08-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	47 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 09-FZONE-NPAG_W12	E108	08-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	47 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 02_IF_PAG_W12	E108	08-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	48 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 03-SED_PAG_W12	E108	08-Apr-2021	----	----	----		10-Apr-2021	0.25 hrs	48 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 10-ROM-SR1_W9	E108	18-Mar-2021	----	----	----		10-Apr-2021	0.25 hrs	552 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 11-ROM-SR2_W9	E108	18-Mar-2021	----	----	----		10-Apr-2021	0.25 hrs	552 hrs	× EHTR-FM

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	176267	1	17	5.8	5.0	✓
Ammonia by Fluorescence	E298	178481	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	176259	3	48	6.2	5.0	✓
Chloride in Water by IC	E235.Cl	176264	2	22	9.0	5.0	✓
Conductivity in Water	E100	176265	1	18	5.5	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	177141	2	22	9.0	5.0	✓
Fluoride in Water by IC	E235.F	176260	2	22	9.0	5.0	✓
Nitrate in Water by IC	E235.NO3	176261	2	22	9.0	5.0	✓
Nitrite in Water by IC	E235.NO2	176262	2	22	9.0	5.0	✓
pH by Meter	E108	176266	1	18	5.5	5.0	✓
Sulfate in Water by IC	E235.SO4	176263	3	49	6.1	5.0	✓
Total Cyanide by CFA	E333	178919	1	11	9.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	177828	2	28	7.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	178515	1	19	5.2	5.0	✓
WAD Cyanide by CFA	E336	178920	1	1	100.0	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	176267	1	17	5.8	5.0	✓
Ammonia by Fluorescence	E298	178481	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	176259	3	48	6.2	5.0	✓
Chloride in Water by IC	E235.Cl	176264	2	22	9.0	5.0	✓
Conductivity in Water	E100	176265	1	18	5.5	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	177141	2	22	9.0	5.0	✓
Fluoride in Water by IC	E235.F	176260	2	22	9.0	5.0	✓
Nitrate in Water by IC	E235.NO3	176261	2	22	9.0	5.0	✓
Nitrite in Water by IC	E235.NO2	176262	2	22	9.0	5.0	✓
pH by Meter	E108	176266	1	18	5.5	5.0	✓
Sulfate in Water by IC	E235.SO4	176263	3	49	6.1	5.0	✓
Total Cyanide by CFA	E333	178919	1	11	9.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	177828	2	28	7.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	178515	1	19	5.2	5.0	✓
WAD Cyanide by CFA	E336	178920	1	1	100.0	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	176267	1	17	5.8	5.0	✓
Ammonia by Fluorescence	E298	178481	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	176259	3	48	6.2	5.0	✓
Chloride in Water by IC	E235.Cl	176264	2	22	9.0	5.0	✓
Conductivity in Water	E100	176265	1	18	5.5	5.0	✓

Matrix: **Water**

Evaluation: ✗ = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Dissolved Metals in Water by CRC ICPMS	E421	177141	2	22	9.0	5.0	✓
Fluoride in Water by IC	E235.F	176260	2	22	9.0	5.0	✓
Nitrate in Water by IC	E235.NO3	176261	2	22	9.0	5.0	✓
Nitrite in Water by IC	E235.NO2	176262	2	22	9.0	5.0	✓
Sulfate in Water by IC	E235.SO4	176263	3	49	6.1	5.0	✓
Total Cyanide by CFA	E333	178919	1	11	9.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	177828	2	28	7.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	178515	1	19	5.2	5.0	✓
WAD Cyanide by CFA	E336	178920	1	1	100.0	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	178481	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	176259	3	48	6.2	5.0	✓
Chloride in Water by IC	E235.Cl	176264	2	22	9.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	177141	2	22	9.0	5.0	✓
Fluoride in Water by IC	E235.F	176260	2	22	9.0	5.0	✓
Nitrate in Water by IC	E235.NO3	176261	2	22	9.0	5.0	✓
Nitrite in Water by IC	E235.NO2	176262	2	22	9.0	5.0	✓
Sulfate in Water by IC	E235.SO4	176263	3	49	6.1	5.0	✓
Total Cyanide by CFA	E333	178919	1	11	9.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	177828	2	28	7.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	178515	1	19	5.2	5.0	✓
WAD Cyanide by CFA	E336	178920	0	1	0.0	5.0	✗

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Bromide in Water by IC	E235.Br Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Calgary - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.
Total Cyanide by CFA	E333 Vancouver - Environmental	Water	ISO 14403 (mod)	Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.
WAD Cyanide by CFA	E336 Vancouver - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U Calgary - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	“Hardness (as CaCO3), dissolved” is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in $CaCO_3$ equivalents. “Total Hardness” refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Calgary - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Digestion for Total Phosphorus in water	EP372 Calgary - Environmental	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.

QUALITY CONTROL REPORT

Work Order	: **SK2100888**	Page	: 1 of 18
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 08-Apr-2021 15:45
PO	: ----	Date Analysis Commenced	: 09-Apr-2021
C-O-C number	: ----	Issue Date	: 19-Apr-2021 10:13
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 44		
No. of samples analysed	: 44		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Dwayne Bennett	Technical Specialist	Inorganics, Saskatoon, Saskatchewan
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Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jorden Fanson	Analyst	Inorganics, Calgary, Alberta
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Lindsay Gung	Supervisor - Water Chemistry	Inorganics, Burnaby, British Columbia
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Naeun Kim	Analyst	Inorganics, Calgary, Alberta
Rebeccah Baker	Analyst	Inorganics, Calgary, Alberta
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests (QC Lot: 176265)											
SK2100888-003	01_TSF_W16	conductivity	----	E100	2.0	µS/cm	43100	42800	0.698%	10%	----
Physical Tests (QC Lot: 176266)											
SK2100888-003	01_TSF_W16	pH	----	E108	0.10	pH units	7.85	7.85	0.0202%	3%	----
Physical Tests (QC Lot: 176267)											
SK2100888-003	01_TSF_W16	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	376	383	1.79%	20%	----
Anions and Nutrients (QC Lot: 176259)											
SK2100888-008	02_IF_PAG_W12	bromide	24959-67-9	E235.Br	0.50	mg/L	1.63	1.54	0.09	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 176260)											
SK2100888-008	02_IF_PAG_W12	fluoride	16984-48-8	E235.F	0.100	mg/L	0.501	0.615	0.114	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 176261)											
SK2100888-008	02_IF_PAG_W12	nitrate (as N)	14797-55-8	E235.NO3	0.100	mg/L	0.145	0.160	0.014	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 176262)											
SK2100888-008	02_IF_PAG_W12	nitrite (as N)	14797-65-0	E235.NO2	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 176263)											
SK2100888-008	02_IF_PAG_W12	sulfate (as SO4)	14808-79-8	E235.SO4	1.50	mg/L	102	97.2	5.13%	20%	----
Anions and Nutrients (QC Lot: 176264)											
SK2100888-008	02_IF_PAG_W12	chloride	16887-00-6	E235.Cl	2.50	mg/L	61.7	60.1	2.54%	20%	----
Anions and Nutrients (QC Lot: 176321)											
SK2100888-043	11-ROM-SR2_W11	bromide	24959-67-9	E235.Br	0.10	mg/L	0.15	0.14	0.01	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 176322)											
SK2100888-043	11-ROM-SR2_W11	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	54.2	51.2	5.85%	20%	----
Anions and Nutrients (QC Lot: 176323)											
SK2100888-043	11-ROM-SR2_W11	nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L	2.38	2.28	3.98%	20%	----
Anions and Nutrients (QC Lot: 176324)											
SK2100888-043	11-ROM-SR2_W11	nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L	0.021	0.020	0.001	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 176325)											
SK2100888-043	11-ROM-SR2_W11	fluoride	16984-48-8	E235.F	0.020	mg/L	0.062	0.062	0.0003	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 176326)											
SK2100888-043	11-ROM-SR2_W11	chloride	16887-00-6	E235.Cl	0.50	mg/L	52.2	50.9	2.55%	20%	----
Anions and Nutrients (QC Lot: 176327)											
SK2100888-025	07-IF-PAG-CW_W9	bromide	24959-67-9	E235.Br	30.0	mg/L	347	351	1.26%	20%	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Anions and Nutrients (QC Lot: 176328)											
SK2100888-025	07-IF-PAG-CW_W9	sulfate (as SO4)	14808-79-8	E235.SO4	90.0	mg/L	2710	2810	3.59%	20%	----
Anions and Nutrients (QC Lot: 177828)											
CG2100749-001	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 177829)											
SK2100888-016	04-GAB-NPAG_W12	Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L	0.508	0.544	0.036	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 178481)											
CG2100751-001	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.0432	0.0430	0.0002	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 178515)											
CG2100749-011	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	0.0038	0.0034	0.0004	Diff <2x LOR	----
Cyanides (QC Lot: 178919)											
SK2100888-003	01_TSF_W16	cyanide, strong acid dissociable (total)	----	E333	0.0200	mg/L	2.56	2.56	0.142%	20%	----
Cyanides (QC Lot: 178920)											
SK2100888-003	01_TSF_W16	cyanide, weak acid dissociable	----	E336	0.0200	mg/L	0.0881	0.0979	0.0098	Diff <2x LOR	----
Dissolved Metals (QC Lot: 177141)											
SK2100888-041	11-ROM-SR2_W9	aluminum, dissolved	7429-90-5	E421	0.0010	mg/L	0.0206	0.0206	0.0761%	20%	----
		antimony, dissolved	7440-36-0	E421	0.00010	mg/L	0.00021	0.00021	0.000005	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00010	mg/L	0.00584	0.00588	0.633%	20%	----
		barium, dissolved	7440-39-3	E421	0.00010	mg/L	0.0236	0.0237	0.297%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.010	mg/L	0.206	0.211	2.20%	20%	----
		cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L	0.0000099	0.0000130	0.0000030	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	0.050	mg/L	29.6	31.1	4.76%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000010	mg/L	0.000035	0.000035	0.0000005	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00010	mg/L	0.00034	0.00034	0.00000001	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00020	mg/L	0.00137	0.00135	0.00002	Diff <2x LOR	----
		iron, dissolved	7439-89-6	E421	0.030	mg/L	<0.030	<0.030	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000050	mg/L	0.000052	0.000056	0.000004	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0010	mg/L	0.0071	0.0070	0.00007	Diff <2x LOR	----
		magnesium, dissolved	7439-95-4	E421	0.0050	mg/L	10.2	10.2	0.191%	20%	----
		manganese, dissolved	7439-96-5	E421	0.00500	mg/L	0.132	0.132	0.242%	20%	----
		molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L	0.00170	0.00168	0.734%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00050	mg/L	0.00078	0.00080	0.00002	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 177141) - continued											
SK2100888-041	11-ROM-SR2_W9	potassium, dissolved	7440-09-7	E421	0.050	mg/L	3.10	3.11	0.220%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00020	mg/L	0.00155	0.00149	0.00006	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.000050	mg/L	0.000226	0.000237	0.000011	Diff <2x LOR	----
		silicon, dissolved	7440-21-3	E421	0.050	mg/L	2.72	2.66	2.09%	20%	----
		silver, dissolved	7440-22-4	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	0.050	mg/L	52.2	52.6	0.645%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00020	mg/L	0.126	0.126	0.190%	20%	----
		sulfur, dissolved	7704-34-9	E421	0.50	mg/L	20.0	20.3	1.14%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00010	mg/L	0.0110	0.0111	0.639%	20%	----
		titanium, dissolved	7440-32-6	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00010	mg/L	0.00046	0.00046	0.000001	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000010	mg/L	0.000868	0.000887	2.13%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0010	mg/L	<0.0010	<0.0010	0	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 177142)											
SK2100888-032	08-SED-PAG-CW_W12	aluminum, dissolved	7429-90-5	E421	0.100	mg/L	<0.100	<0.100	0	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		barium, dissolved	7440-39-3	E421	0.0100	mg/L	0.196	0.203	3.08%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	1.00	mg/L	<1.00	<1.00	0	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.000500	mg/L	0.00329	0.00296	0.000326	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	5.00	mg/L	1630	1630	0.148%	20%	----
		cesium, dissolved	7440-46-2	E421	0.00100	mg/L	0.00722	0.00741	0.000194	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.0500	mg/L	<0.0500	<0.0500	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.0100	mg/L	0.0241	0.0247	0.00063	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.0200	mg/L	<0.0200	<0.0200	0	Diff <2x LOR	----
		iron, dissolved	7439-89-6	E421	3.00	mg/L	<3.00	<3.00	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.100	mg/L	0.241	0.245	0.0040	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 177142) - continued											
SK2100888-032	08-SED-PAG-CW_W12	magnesium, dissolved	7439-95-4	E421	0.500	mg/L	1970	2030	3.07%	20%	----
		manganese, dissolved	7439-96-5	E421	0.500	mg/L	<0.500	<0.500	0	Diff <2x LOR	----
		molybdenum, dissolved	7439-98-7	E421	0.00500	mg/L	0.0224	0.0226	0.000253	Diff <2x LOR	----
		nickel, dissolved	7440-02-0	E421	0.0500	mg/L	0.195	0.190	0.00505	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	5.00	mg/L	<5.00	<5.00	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	5.00	mg/L	567	559	1.42%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.0200	mg/L	0.192	0.195	0.00344	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		silicon, dissolved	7440-21-3	E421	5.00	mg/L	<5.00	<5.00	0	Diff <2x LOR	----
		silver, dissolved	7440-22-4	E421	0.00100	mg/L	0.00120	0.00114	0.000057	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	5.00	mg/L	14600	14700	0.805%	20%	----
		strontium, dissolved	7440-24-6	E421	0.0200	mg/L	36.3	35.8	1.35%	20%	----
		sulfur, dissolved	7704-34-9	E421	50.0	mg/L	1120	1130	1.51%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.0200	mg/L	<0.0200	<0.0200	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.00100	mg/L	0.00109	<0.00100	0.000091	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.0300	mg/L	<0.0300	<0.0300	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.00100	mg/L	0.0370	0.0364	1.45%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.0500	mg/L	<0.0500	<0.0500	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.100	mg/L	0.245	0.238	0.0066	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.0300	mg/L	<0.0300	<0.0300	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 176265)						
conductivity	----	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 176267)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 176259)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 176260)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 176261)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 176262)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 176263)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 176264)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 176321)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 176322)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 176323)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 176324)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 176325)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 176326)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 176327)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 176328)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 177828)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Anions and Nutrients (QCLot: 177829)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 178481)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 178515)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Cyanides (QCLot: 178919)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----
Cyanides (QCLot: 178920)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 177141)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 177141) - continued						
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----
Dissolved Metals (QCLot: 177142)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 177142) - continued						
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 176265)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	97.4	90.0	110	----
Physical Tests (QCLot: 176266)									
pH	----	E108	----	pH units	6.86 pH units	100.0	98.0	102	----
Physical Tests (QCLot: 176267)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	96.3	85.0	115	----
Anions and Nutrients (QCLot: 176259)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	94.7	85.0	115	----
Anions and Nutrients (QCLot: 176260)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	96.6	90.0	110	----
Anions and Nutrients (QCLot: 176261)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 176262)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	98.9	90.0	110	----
Anions and Nutrients (QCLot: 176263)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 176264)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	99.1	90.0	110	----
Anions and Nutrients (QCLot: 176321)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	101	85.0	115	----
Anions and Nutrients (QCLot: 176322)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 176323)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 176324)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 176325)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 176326)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 176327)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	98.2	85.0	115	----
Anions and Nutrients (QCLot: 176328)									

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Anions and Nutrients (QCLot: 176328) - continued									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 177828)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	97.1	75.0	125	----
Anions and Nutrients (QCLot: 177829)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	90.9	75.0	125	----
Anions and Nutrients (QCLot: 178481)									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.1 mg/L	108	85.0	115	----
Anions and Nutrients (QCLot: 178515)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.32 mg/L	93.2	80.0	120	----
Cyanides (QCLot: 178919)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	91.3	80.0	120	----
Cyanides (QCLot: 178920)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	102	80.0	120	----
Dissolved Metals (QCLot: 177141)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	99.5	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	107	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	99.9	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	99.1	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	98.8	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	101	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	99.4	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	97.5	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	98.9	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	107	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	99.8	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	100	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	96.6	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	108	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	97.1	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	99.6	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	106	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	96.9	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	104	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	97.8	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	98.4	80.0	120	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
					Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 177141) - continued									
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	96.2	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	99.7	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	99.5	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	104	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	108	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	105	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	103	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	104	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	103	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	96.9	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	95.2	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	96.4	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	94.8	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	98.4	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	98.4	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	99.7	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	96.7	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	104	80.0	120	----
Dissolved Metals (QCLot: 177142)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	102	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	102	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	99.9	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	105	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	95.0	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	101	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	100	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	102	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	103	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	99.1	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	98.7	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	95.6	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	107	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	93.6	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	105	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	102	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	95.9	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 177142) - continued									
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	100	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	97.2	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	99.6	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	96.0	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	101	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	101	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	103	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	104	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	101	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	105	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	102	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	98.5	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	90.8	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	89.8	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	100	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	95.2	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	93.1	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	93.3	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	99.2	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	96.1	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	101	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 176259)										
SK2100888-039	10-ROM-SR1_W11	bromide	24959-67-9	E235.Br	0.53 mg/L	0.5 mg/L	105	75.0	125	----
Anions and Nutrients (QCLot: 176260)										
SK2100888-039	10-ROM-SR1_W11	fluoride	16984-48-8	E235.F	0.953 mg/L	1 mg/L	95.3	75.0	125	----
Anions and Nutrients (QCLot: 176261)										
SK2100888-039	10-ROM-SR1_W11	nitrate (as N)	14797-55-8	E235.NO3	ND mg/L	2.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 176262)										
SK2100888-039	10-ROM-SR1_W11	nitrite (as N)	14797-65-0	E235.NO2	0.502 mg/L	0.5 mg/L	100	75.0	125	----
Anions and Nutrients (QCLot: 176263)										
SK2100888-039	10-ROM-SR1_W11	sulfate (as SO4)	14808-79-8	E235.SO4	97.9 mg/L	100 mg/L	97.9	90.0	110	----
Anions and Nutrients (QCLot: 176264)										
SK2100888-039	10-ROM-SR1_W11	chloride	16887-00-6	E235.Cl	100 mg/L	100 mg/L	100	75.0	125	----
Anions and Nutrients (QCLot: 176321)										
SK2100888-044	11-ROM-SR2_W12	bromide	24959-67-9	E235.Br	0.49 mg/L	0.5 mg/L	97.8	75.0	125	----
Anions and Nutrients (QCLot: 176322)										
SK2100888-044	11-ROM-SR2_W12	sulfate (as SO4)	14808-79-8	E235.SO4	97.2 mg/L	100 mg/L	97.2	90.0	110	----
Anions and Nutrients (QCLot: 176323)										
SK2100888-044	11-ROM-SR2_W12	nitrate (as N)	14797-55-8	E235.NO3	2.50 mg/L	2.5 mg/L	100	75.0	125	----
Anions and Nutrients (QCLot: 176324)										
SK2100888-044	11-ROM-SR2_W12	nitrite (as N)	14797-65-0	E235.NO2	0.494 mg/L	0.5 mg/L	98.8	75.0	125	----
Anions and Nutrients (QCLot: 176325)										
SK2100888-044	11-ROM-SR2_W12	fluoride	16984-48-8	E235.F	0.996 mg/L	1 mg/L	99.6	75.0	125	----
Anions and Nutrients (QCLot: 176326)										
SK2100888-044	11-ROM-SR2_W12	chloride	16887-00-6	E235.Cl	100 mg/L	100 mg/L	100	75.0	125	----
Anions and Nutrients (QCLot: 176327)										
SK2100888-026	07-IF-PAG-CW_W10	bromide	24959-67-9	E235.Br	ND mg/L	0.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 176328)										
SK2100888-026	07-IF-PAG-CW_W10	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 177828)										
CG2100749-002	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	2.66 mg/L	2.5 mg/L	106	70.0	130	----
Anions and Nutrients (QCLot: 177829)										
SK2100888-020	05-SED-NPAG_W12	Kjeldahl nitrogen, total [TKN]	----	E318	2.34 mg/L	2.5 mg/L	93.5	70.0	130	----
Anions and Nutrients (QCLot: 178481)										
CG2100751-002	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.115 mg/L	0.1 mg/L	115	75.0	125	----
Anions and Nutrients (QCLot: 178515)										
CG2100750-001	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0565 mg/L	0.0676 mg/L	83.6	70.0	130	----
Cyanides (QCLot: 178919)										
SK2100865-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.217 mg/L	0.25 mg/L	87.0	75.0	125	----
Dissolved Metals (QCLot: 177141)										
SK2100895-001	Anonymous	aluminum, dissolved	7429-90-5	E421	0.210 mg/L	0.2 mg/L	105	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0212 mg/L	0.02 mg/L	106	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0201 mg/L	0.02 mg/L	100	70.0	130	----
		barium, dissolved	7440-39-3	E421	0.0201 mg/L	0.02 mg/L	101	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0378 mg/L	0.04 mg/L	94.5	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00858 mg/L	0.01 mg/L	85.8	70.0	130	----
		boron, dissolved	7440-42-8	E421	ND mg/L	0.1 mg/L	ND	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00374 mg/L	0.004 mg/L	93.6	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.0105 mg/L	0.01 mg/L	105	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0398 mg/L	0.04 mg/L	99.6	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0190 mg/L	0.02 mg/L	94.8	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0173 mg/L	0.02 mg/L	86.6	70.0	130	----
		iron, dissolved	7439-89-6	E421	1.90 mg/L	2 mg/L	95.0	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0173 mg/L	0.02 mg/L	86.4	70.0	130	----
		lithium, dissolved	7439-93-2	E421	ND mg/L	0.1 mg/L	ND	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0220 mg/L	0.02 mg/L	110	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0362 mg/L	0.04 mg/L	90.6	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	11.6 mg/L	10 mg/L	116	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0186 mg/L	0.02 mg/L	93.1	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0448 mg/L	0.04 mg/L	112	70.0	130	----
		silicon, dissolved	7440-21-3	E421	11.0 mg/L	10 mg/L	110	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 177141) - continued										
SK2100895-001	Anonymous	silver, dissolved	7440-22-4	E421	0.00336 mg/L	0.004 mg/L	83.9	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0417 mg/L	0.04 mg/L	104	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00351 mg/L	0.004 mg/L	87.8	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0187 mg/L	0.02 mg/L	93.5	70.0	130	----
		tin, dissolved	7440-31-5	E421	0.0191 mg/L	0.02 mg/L	95.7	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0418 mg/L	0.04 mg/L	104	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0194 mg/L	0.02 mg/L	96.9	70.0	130	----
		uranium, dissolved	7440-61-1	E421	0.00358 mg/L	0.004 mg/L	89.5	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.104 mg/L	0.1 mg/L	104	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.368 mg/L	0.4 mg/L	92.0	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0432 mg/L	0.04 mg/L	108	70.0	130	----
Dissolved Metals (QCLot: 177142)										
SK2100888-036	09-FZONE-NPAG_W12	aluminum, dissolved	7429-90-5	E421	0.207 mg/L	0.2 mg/L	104	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0206 mg/L	0.02 mg/L	103	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0196 mg/L	0.02 mg/L	97.9	70.0	130	----
		barium, dissolved	7440-39-3	E421	0.0204 mg/L	0.02 mg/L	102	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0418 mg/L	0.04 mg/L	104	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00919 mg/L	0.01 mg/L	91.9	70.0	130	----
		boron, dissolved	7440-42-8	E421	0.098 mg/L	0.1 mg/L	97.8	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00377 mg/L	0.004 mg/L	94.2	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.0102 mg/L	0.01 mg/L	102	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0386 mg/L	0.04 mg/L	96.6	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0195 mg/L	0.02 mg/L	97.5	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0183 mg/L	0.02 mg/L	91.6	70.0	130	----
		iron, dissolved	7439-89-6	E421	1.94 mg/L	2 mg/L	97.0	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0182 mg/L	0.02 mg/L	90.8	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.0992 mg/L	0.1 mg/L	99.2	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	0.0178 mg/L	0.02 mg/L	88.9	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0202 mg/L	0.02 mg/L	101	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0374 mg/L	0.04 mg/L	93.5	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	10.7 mg/L	10 mg/L	107	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 177142) - continued										
SK2100888-036	09-FZONE-NPAG_W12	potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0197 mg/L	0.02 mg/L	98.4	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0413 mg/L	0.04 mg/L	103	70.0	130	----
		silicon, dissolved	7440-21-3	E421	8.48 mg/L	10 mg/L	84.8	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00398 mg/L	0.004 mg/L	99.5	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	20.8 mg/L	20 mg/L	104	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0384 mg/L	0.04 mg/L	96.1	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00363 mg/L	0.004 mg/L	90.7	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0192 mg/L	0.02 mg/L	95.9	70.0	130	----
		tin, dissolved	7440-31-5	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0413 mg/L	0.04 mg/L	103	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0188 mg/L	0.02 mg/L	94.1	70.0	130	----
		uranium, dissolved	7440-61-1	E421	0.00398 mg/L	0.004 mg/L	99.5	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.101 mg/L	0.1 mg/L	101	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.374 mg/L	0.4 mg/L	93.4	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0415 mg/L	0.04 mg/L	104	70.0	130	----

Chain of Custody (COC) / Analytical Request Form

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Affix ALS barcode label here
(lab use only)

COC Number: 1

Page

Environmental Division
Saskatoon
Work Order Reference
SK2100888

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2
Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2

Select Service Level Below - Contact your AM to

Regular [R] ☑ Standard TAT if received by 3 pm

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐
EMERGENCY: 1 Business | Same Day, | (Laboratory

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selec

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	Q83455	AFE/Cost Center:	PO#
Job #:	948-021	Major/Minor Code:	Routing Code:
PO / AFE:		Requisitioner:	
LSD:		Location:	
ALS Lab Work Order # (lab use only):		ALS Contact:	Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P								
	01_TSF_W14	18-Mar-21	13:45	Leachate	1	R			R					Y
	01_TSF_W15	25-Mar-21	14:45	Leachate	1	R			R					Y
	01_TSF_W16	1-Mar-21	12:55	Leachate	4	R	R	R		R	R	R		Y
	01_TSF_W17	8-Apr-21	13:40	Leachate	1	R			R					Y
	02-IF-PAG_W9	18-Mar-21	13:45	Leachate	1	R			R					Y
	02-IF-PAG_W10	25-Mar-21	14:45	Leachate	1	R			R					Y
	02-IF-PAG_W11	1-Mar-21	12:55	Leachate	1	R			R					Y
	02-IF-PAG_W12	8-Apr-21	13:45	Leachate	3	R	R	R				R		Y
	03-SED-PAG_W9	18-Mar-21	13:45	Leachate	1	R			R					Y
	03-SED-PAG_W10	25-Mar-21	14:45	Leachate	1	R			R					Y
	03-SED-PAG_W11	1-Mar-21	12:55	Leachate	1	R			R					Y
	03-SED-PAG_W12	8-Apr-21	14:00	Leachate	3	R	R	R				R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO

Are samples for human consumption/ use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐
Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C	FINAL COOLER TEMPERATURES °C
15	

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: April 8, 2021	Time:	Received by:	Date: 8-4-21	Time: 345	Received by:	Date: 9/4/2021	Time: 8:40

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17

Page

Environmental Division Saskatoon

Work Order Reference SK2100888

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact your AM to cc

Regular [R] ☑ Standard TAT if received by 3 pm -

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business d | Same Day, W | (Laboratory c

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selected, you will be contacted.

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only):

ALS Contact:

Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P								
	04-GAB-NPAG_W9	18-Mar-21	13:45	Leachate	1	R			R					Y
	04-GAB-NPAG_W10	25-Mar-21	14:45	Leachate	1	R			R					Y
	04-GAB-NPAG_W11	1-Mar-21	12:55	Leachate	1	R			R					Y
	04-GAB-NPAG_W12	8-Apr-21	14:15	Leachate	3	R	R	R				R		Y
	05-SED-NPAG_W9	18-Mar-21	13:45	Leachate	1	R			R					Y
	05-SED-NPAG_W10	25-Mar-21	14:45	Leachate	1	R			R					Y
	05-SED-NPAG_W11	1-Mar-21	12:55	Leachate	1	R			R					Y
	05-SED-NPAG_W12	8-Apr-21	14:30	Leachate	3	R	R	R				R		Y
	06-IF-NPAG_W9	18-Mar-21	13:45	Leachate	1	R			R					Y
	06-IF-NPAG_W10	25-Mar-21	14:45	Leachate	1	R			R					Y
	06-IF-NPAG_W11	1-Mar-21	12:55	Leachate	1	R			R					Y
	06-IF-NPAG_W12	8-Apr-21	14:35	Leachate	3	R	R	R				R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
15							

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: April 8, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by:	Date: 8-4-21	Time: 345

FINAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 1

Page

Environmental Division Saskatoon

Work Order Reference SK2100888

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact your AM to

Regular [R] ☑ Standard TAT if received by 3 pm

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business | Same Day, | (Laboratory

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selec

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only): | ALS Contact: | Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P								
	07-IF-PAG-CW_W9	18-Mar-21	13:45	Leachate	1	R			R					Y
	07-IF-PAG-CW_W10	25-Mar-21	14:45	Leachate	1	R			R					Y
	07-IF-PAG-CW_W11	1-Mar-21	12:55	Leachate	1	R			R					Y
	07-IF-PAG-CW_W12	8-Apr-21	14:45	Leachate	3	R	R	R				R		Y
	08-SED-PAG-CW_W9	18-Mar-21	13:45	Leachate	1	R			R					Y
	08-SED-PAG-CW_W10	25-Mar-21	14:45	Leachate	1	R			R					Y
	08-SED-PAG-CW_W11	1-Mar-21	12:55	Leachate	1	R			R					Y
	08-SED-PAG-CW_W12	8-Apr-21	14:55	Leachate	3	R	R	R				R		Y
	09-FZONE-NPAG_W9	18-Mar-21	13:45	Leachate	1	R			R					Y
	09-FZONE-NPAG_W10	25-Mar-21	14:45	Leachate	1	R			R					Y
	09-FZONE-NPAG_W11	1-Mar-21	12:55	Leachate	1	R			R					Y
	09-FZONE-NPAG_W12	8-Apr-21	15:00	Leachate	3	R	R	R				R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
15							

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: April 8, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by:	Date: 8-4-21	Time: 345

FINAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

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Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
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Contact:	

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Email 1 or Fax jrobertson@okc-sk.com

Email 2

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Date and Time Required for all E&P TATs:

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ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only):

ALS Contact:

Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
							F/P							
	10-ROM-SR1_W9	18-Mar-21	13:45	Leachate	1	R		R						Y
	10-ROM-SR1_W10	25-Mar-21	14:45	Leachate	1	R		R						Y
	10-ROM-SR1_W11	1-Mar-21	12:55	Leachate	1	R		R						Y
	10-ROM-SR1_W12	8-Apr-21	15:05	Leachate	3	R	R	R				R		Y
	11-ROM-SR2_W9	18-Mar-21	13:45	Leachate	1	R		R						Y
	11-ROM-SR2_W10	25-Mar-21	14:45	Leachate	1	R		R						Y
	11-ROM-SR2_W11	1-Mar-21	12:55	Leachate	1	R		R						Y
	11-ROM-SR2_W12	8-Apr-21	15:15	Leachate	3	R	R	R				R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
1.5							

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: April 8, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by:	Date: 8-4-	Time: 345

FINAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

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1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2101287**	Page	: 1 of 26
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 06-May-2021 16:45
PO	: ----	Date Analysis Commenced	: 07-May-2021
C-O-C number	: ----	Issue Date	: 15-May-2021 18:10
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 38		
No. of samples analysed	: 36		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Dwayne Bennett	Technical Specialist	Inorganics, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Nancy Cruse	Laboratory _ Supervisor	Inorganics, Saskatoon, Saskatchewan
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W18	01_TSF_W19	01_TSF_W20	01_TSF_W21	02-IF-PAG_W13
					Client sampling date / time	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45
						SK2101287-001	SK2101287-002	SK2101287-003	SK2101287-004	SK2101287-005
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	1930	----	----
conductivity	----	E100	2.0	µS/cm		----	----	30800	----	----
pH	----	E108	0.10	pH units		----	----	8.08	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	379	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	311	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	22300	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	37.2	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		23.7	<20.0 DLDS	<20.0 DLDS	<20.0 DLDS	1.06
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	5140	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<4.00 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	375	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	3.82	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		8350	8220	7080	7290	94.4
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	379	----	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		----	----	1.57	----	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		----	----	0.122	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	326	----	----
cation sum	----	EC101	0.10	meq/L		----	----	355	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	4.26	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	109	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00945	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.601	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0551	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W18	01_TSF_W19	01_TSF_W20	01_TSF_W21	02-IF-PAG_W13
					Client sampling date / time	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45
						SK2101287-001	SK2101287-002	SK2101287-003	SK2101287-004	SK2101287-005
						Result	Result	Result	Result	Result
Dissolved Metals										
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.00100 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	1.84	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.000423	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	621	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	<0.000500 DLDS	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	0.931	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.0180	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<1.50 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	92.5	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	3.82	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.698	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<2.50 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	550	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.0594	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.0498	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	4.67	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.00167	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	6890	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	2.44	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	3710	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.0100 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.000500 DLDS	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W18	01_TSF_W19	01_TSF_W20	01_TSF_W21	02-IF-PAG_W13
					Client sampling date / time	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45
						SK2101287-001	SK2101287-002	SK2101287-003	SK2101287-004	SK2101287-005
						Result	Result	Result	Result	Result
Dissolved Metals										
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00906	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W14	02-IF-PAG_W15	02-IF-PAG_W16	03-SED-PAG_W13	03-SED-PAG_W14
					Client sampling date / time	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18
						SK2101287-006	SK2101287-007	SK2101287-008	SK2101287-009	SK2101287-010
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	42.8	----	----
conductivity	----	E100	2.0	µS/cm		----	----	479	----	----
pH	----	E108	0.10	pH units		----	----	8.32	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	151	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	125	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	274	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	0.0335	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		0.77	<1.00 DLM	0.25	<1.00 DLM	1.45
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	10.8	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	0.392	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<0.020	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<0.010	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		97.4	95.1	84.2	190	55.8
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<0.0500	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	4.58	----	----
cation sum	----	EC101	0.10	meq/L		----	----	4.26	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	3.62	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	93.0	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	0.0238	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.0130	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.00098	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0176	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000020	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000050	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.090	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.0000092	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W14	02-IF-PAG_W15	02-IF-PAG_W16	03-SED-PAG_W13	03-SED-PAG_W14
					Client sampling date / time	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18
						SK2101287-006	SK2101287-007	SK2101287-008	SK2101287-009	SK2101287-010
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	10.8	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.000042	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.00050	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.00010	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00169	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.030	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.000050	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.0055	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	3.85	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	<0.00500	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.00598	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.00077	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.050	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	6.10	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.00437	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.000231	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	2.88	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	<0.000010	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	74.5	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	0.0554	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	28.5	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00020	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.000010	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00010	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00451	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00030	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	0.00418	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.0101	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00050	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.0082	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00030	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W14	02-IF-PAG_W15	02-IF-PAG_W16	03-SED-PAG_W13	03-SED-PAG_W14
					Client sampling date / time	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18
						SK2101287-006	SK2101287-007	SK2101287-008	SK2101287-009	SK2101287-010
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W15	03-SED-PAG_W16	04-GAB-NPAG-_W13	04-GAB-NPAG-_W14	04-GAB-NPAG-_W15
					Client sampling date / time	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55
						SK2101287-011	SK2101287-012	SK2101287-013	SK2101287-014	SK2101287-015
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	54.1	----	----	----
conductivity	----	E100	2.0	µS/cm		----	453	----	----	----
pH	----	E108	0.10	pH units		----	8.34	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	168	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	140	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	262	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	0.0078	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		3.04	0.64	1.42	1.24	0.96
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	21.0	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	0.736	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<0.020	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<0.010	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		118	50.0	36.9	37.0	32.1
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<0.0500	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	4.47	----	----	----
cation sum	----	EC101	0.10	meq/L		----	4.43	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	0.449	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	99.1	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.0446	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	0.00212	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	0.00294	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.0120	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.000020	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.000050	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	0.066	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	<0.0000100 DLM	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W15	03-SED-PAG_W16	04-GAB-NPAG-_W13	04-GAB-NPAG-_W14	04-GAB-NPAG-_W15
					Client sampling date / time	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55
						SK2101287-011	SK2101287-012	SK2101287-013	SK2101287-014	SK2101287-015
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	12.3	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.000030	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.00050	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	<0.00010	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	0.00145	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<0.030	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	0.000141	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.0102	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	5.67	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.00500	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0345	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.00101	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<0.050	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	9.28	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.00251	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	0.00100	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	2.72	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	<0.000010	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	71.4	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	0.0545	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	17.8	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.00020	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.000013	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.00010	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	0.00398	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.00030	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	0.00048	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.00522	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	0.00052	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.0046	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.00030	----	----	----

Analytical Results

Sub-Matrix: **Water** (Matrix: **Water**)					Client sample ID	03-SED-PAG_W15	03-SED-PAG_W16	04-GAB-NPAG-_W13	04-GAB-NPAG-_W14	04-GAB-NPAG-_W15
					Client sampling date / time	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*		**SK2101287-011**	**SK2101287-012**	**SK2101287-013**	**SK2101287-014**	**SK2101287-015**
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	05-GAB-NPAG-_W16	05-SED-NPAG_W13	05-SED-NPAG_W14	05-SED-NPAG_W15	05-SED-NPAG_W16
					Client sampling date / time	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:34
						SK2101287-016	SK2101287-017	SK2101287-018	SK2101287-019	SK2101287-020
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		20.6	----	----	----	42.4
conductivity	----	E100	2.0	µS/cm		634	----	----	----	419
pH	----	E108	0.10	pH units		8.58	----	----	----	8.36
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		281	----	----	----	168
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		7.8	----	----	----	1.1
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	<1.0
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		243	----	----	----	139
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		368	----	----	----	244
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.205	----	----	----	0.0420
bromide	24959-67-9	E235.Br	0.10	mg/L		0.73	1.34	1.07	0.90	0.78
chloride	16887-00-6	E235.Cl	0.50	mg/L		36.0	----	----	----	30.7
fluoride	16984-48-8	E235.F	0.020	mg/L		0.605	----	----	----	0.821
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020	----	----	----	0.114
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010	----	----	----	<0.050 DLM
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		31.2	31.8	29.4	28.7	29.5
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	0.114
Ion Balance										
anion sum	----	EC101	0.10	meq/L		6.55	----	----	----	4.31
cation sum	----	EC101	0.10	meq/L		6.43	----	----	----	4.10
ion balance (cation-anion difference)	----	EC101	0.010	%		0.924	----	----	----	2.50
ion balance (cations/anions ratio)	----	EC101	0.010	%		98.2	----	----	----	95.1
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0600	----	----	----	0.0611
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00266	----	----	----	0.00212
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.0169	----	----	----	0.154
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.00995	----	----	----	0.0122
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.103	----	----	----	0.083
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	0.0000060

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	05-GAB-NPAG-_W16	05-SED-NPAG_W13	05-SED-NPAG_W14	05-SED-NPAG_W15	05-SED-NPAG_W16
					Client sampling date / time	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:34
						SK2101287-016	SK2101287-017	SK2101287-018	SK2101287-019	SK2101287-020
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		5.08	----	----	----	9.71
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000299	----	----	----	0.000054
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		0.00076	----	----	----	<0.00050
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00020	----	----	----	0.00033
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00232	----	----	----	0.00139
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0082	----	----	----	0.0077
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		1.92	----	----	----	4.42
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		<0.00500	----	----	----	<0.00500
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00837	----	----	----	0.0140
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00108	----	----	----	0.00173
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		4.85	----	----	----	8.40
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00409	----	----	----	0.00292
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.00162	----	----	----	0.000734
silicon, dissolved	7440-21-3	E421	0.050	mg/L		2.81	----	----	----	2.71
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		135	----	----	----	69.5
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0149	----	----	----	0.0414
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		11.1	----	----	----	9.52
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000028	----	----	----	0.000011
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.00433	----	----	----	0.00618
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00140	----	----	----	0.00081
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.0241	----	----	----	0.00733
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00798	----	----	----	0.00192
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0146	----	----	----	0.0085
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	05-GAB-NPAG-_W16	05-SED-NPAG_W13	05-SED-NPAG_W14	05-SED-NPAG_W15	05-SED-NPAG_W16
					Client sampling date / time	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:34
						SK2101287-016	SK2101287-017	SK2101287-018	SK2101287-019	SK2101287-020
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W13	06-IF-NPAG_W14	06-IF-NPAG_W15	06-IF-NPAG_W16	07-IF-PAG-CW_W13
					Client sampling date / time	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45
						SK2101287-021	SK2101287-022	SK2101287-023	SK2101287-024	SK2101287-025
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	----	51.5	----
conductivity	----	E100	2.0	µS/cm		----	----	----	372	----
pH	----	E108	0.10	pH units		----	----	----	8.33	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	----	164	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	----	136	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	----	217	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	0.0369	----
bromide	24959-67-9	E235.Br	0.10	mg/L		1.32	0.96	0.67	<0.50 DLM	280
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	----	14.2	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	----	0.380	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	----	<0.100 DLM	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	----	<0.050 DLM	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		35.5	33.0	29.8	28.6	3380
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	----	<0.112	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	----	3.73	----
cation sum	----	EC101	0.10	meq/L		----	----	----	3.65	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	----	1.08	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	----	97.8	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0122	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.0200	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.00153	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0202	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000050	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.102	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	0.0000071	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W13	06-IF-NPAG_W14	06-IF-NPAG_W15	06-IF-NPAG_W16	07-IF-PAG-CW_W13
					Client sampling date / time	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45
						SK2101287-021	SK2101287-022	SK2101287-023	SK2101287-024	SK2101287-025
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	----	13.6	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	0.000042	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	<0.00010	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00124	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	----	<0.030	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0126	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	----	4.25	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	----	<0.00500	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.00707	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	0.00082	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.050	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	----	13.4	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.00983	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.000310	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	3.29	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	----	52.2	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	0.134	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	10.7	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00010	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00500	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	0.00135	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.00532	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0206	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00030	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W13	06-IF-NPAG_W14	06-IF-NPAG_W15	06-IF-NPAG_W16	07-IF-PAG-CW_W13
					Client sampling date / time	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45
						SK2101287-021	SK2101287-022	SK2101287-023	SK2101287-024	SK2101287-025
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		----	----	----	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W14	07-IF-PAG-CW_W15	07-IF-PAG-CW_W16	08-SED-PAG-CW_W13	08-SED-PAG-CW_W14
					Client sampling date / time	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18
						SK2101287-026	SK2101287-027	SK2101287-028	SK2101287-029	SK2101287-030
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	12600	----	----
conductivity	----	E100	2.0	µS/cm		----	----	77600	----	----
pH	----	E108	0.10	pH units		----	----	7.55	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	69.9	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	57.3	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	54800	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	3.76	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		250	225	201	258	215
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	32400	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<6.00 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<6.00 DLDS	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<3.00 DLDS	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3450	2960	3340	3400	3280
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<6.71	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	985	----	----
cation sum	----	EC101	0.10	meq/L		----	----	907	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	4.12	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	92.1	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.0114	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.189	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.00100 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.946	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.00150	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W14	07-IF-PAG-CW_W15	07-IF-PAG-CW_W16	08-SED-PAG-CW_W13	08-SED-PAG-CW_W14
					Client sampling date / time	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18
						SK2101287-026	SK2101287-027	SK2101287-028	SK2101287-029	SK2101287-030
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	1760	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.0147	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	<0.0100 DLDS	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<1.50 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.298	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	2000	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	0.385	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.00746	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.0663	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<2.50 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	586	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.506	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	2.82	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.00176	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	14700	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	38.4	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	1220	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.0100 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.000500 DLDS	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.0162	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.352	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W14	07-IF-PAG-CW_W15	07-IF-PAG-CW_W16	08-SED-PAG-CW_W13	08-SED-PAG-CW_W14
					Client sampling date / time	22-Apr-2021 14:18	29-Apr-2021 12:55	06-May-2021 13:40	15-Apr-2021 13:45	22-Apr-2021 14:18
						SK2101287-026	**SK2101287-027**	**SK2101287-028**	**SK2101287-029**	**SK2101287-030**
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W15	08-SED-PAG-CW_W16	09-FZONE-NPAG_W13	09-FZONE-NPAG_W14	09-FZONE-NPAG_W15
					Client sampling date / time	29-Apr-2021 12:55	06-May-2021 13:34	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55
						SK2101287-031	SK2101287-032	SK2101287-033	SK2101287-034	SK2101287-035
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	13300	----	----	----
conductivity	----	E100	2.0	µS/cm		----	78300	----	----	----
pH	----	E108	0.10	pH units		----	7.51	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	58.9	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	48.2	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	56600	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	4.04	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		207	176	0.82	0.55	0.40
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	32800	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	<6.00 DLDS	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<6.00 DLDS	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<3.00 DLDS	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		2910	3340	28.2	27.2	28.8
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<6.71	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	996	----	----	----
cation sum	----	EC101	0.10	meq/L		----	972	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	1.22	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	97.6	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.0655	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	<0.00500 DLDS	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	<0.00500 DLDS	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.177	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.00100 DLDS	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.00250 DLDS	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	0.936	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.00333	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W15	08-SED-PAG-CW_W16	09-FZONE-NPAG_W13	09-FZONE-NPAG_W14	09-FZONE-NPAG_W15
					Client sampling date / time	29-Apr-2021 12:55	06-May-2021 13:34	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55
						SK2101287-031	SK2101287-032	SK2101287-033	SK2101287-034	SK2101287-035
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	1770	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.00810	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.0250 DLDS	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.0269	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	<0.0100 DLDS	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<1.50 DLDS	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.00250 DLDS	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.285	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	2160	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	0.328	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0209	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.190	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<2.50 DLDS	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	566	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.231	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	<0.00250 DLDS	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	<2.50 DLDS	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	0.00136	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	15900	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	42.4	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	1190	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.0100 DLDS	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.00110	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.00500 DLDS	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	<0.00500 DLDS	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.0150 DLDS	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	<0.00500 DLDS	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.0309	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.0250 DLDS	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.250	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.0150 DLDS	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W15	08-SED-PAG-CW_W16	09-FZONE-NPAG_W13	09-FZONE-NPAG_W14	09-FZONE-NPAG_W15
					Client sampling date / time	29-Apr-2021 12:55	06-May-2021 13:34	15-Apr-2021 13:45	22-Apr-2021 14:18	29-Apr-2021 12:55
						SK2101287-031	SK2101287-032	SK2101287-033	SK2101287-034	SK2101287-035
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W16	----	----	----	----
					Client sampling date / time	06-May-2021 13:40	----	----	----	----
					SK2101287-036	--------	--------	--------	--------	--------
					Result	----	----	----	----	----
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		65.1	----	----	----	----
conductivity	----	E100	2.0	µS/cm		382	----	----	----	----
pH	----	E108	0.10	pH units		8.33	----	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		158	----	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		130	----	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		199	----	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.0087	----	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		0.26	----	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		9.09	----	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		0.723	----	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020	----	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010	----	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		28.9	----	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		3.49	----	----	----	----
cation sum	----	EC101	0.10	meq/L		3.37	----	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		1.75	----	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		96.6	----	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0344	----	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00713	----	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.00267	----	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0203	----	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.091	----	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W16	----	----	----	----
					Client sampling date / time	06-May-2021 13:40	----	----	----	----
						SK2101287-036	--------	--------	--------	--------
						Result	----	----	----	----
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		15.8	----	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		<0.000010	----	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00050	----	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00010	----	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00283	----	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0055	----	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		6.23	----	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.0177	----	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00712	----	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00129	----	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		7.36	----	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00122	----	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.000728	----	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		3.52	----	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		43.2	----	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0387	----	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		10.2	----	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000010	----	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.0255	----	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00029	----	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.00252	----	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00091	----	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0025	----	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	----

Analytical Results

Sub-Matrix: **Water** (Matrix: **Water**)					Client sample ID	**09-FZONE-NPA G_W16**	**----**	**----**	**----**	**----**
					Client sampling date / time	06-May-2021 13:40	----	----	----	----
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*		**SK2101287-036**	**--------**	**--------**	**--------**	**--------**
						Result	----	----	----	----
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2101287**	Page	: 1 of 23
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 06-May-2021 16:45
PO	: ----	Issue Date	: 15-May-2021 18:10
C-O-C number	: ----		
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 38		
No. of samples analysed	: 36		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
01_TSF_W20	E298	29-Apr-2021	14-May-2021	----	16 days	✓	14-May-2021	28 days	1 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
02-IF-PAG_W16	E298	06-May-2021	14-May-2021	----	9 days	✓	14-May-2021	28 days	1 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
03-SED-PAG_W16	E298	06-May-2021	14-May-2021	----	9 days	✓	14-May-2021	28 days	1 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
05-GAB-NPAG-_W16	E298	06-May-2021	14-May-2021	----	9 days	✓	14-May-2021	28 days	1 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W16	E298	06-May-2021	14-May-2021	----	9 days	✓	14-May-2021	28 days	1 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W16	E298	06-May-2021	14-May-2021	----	9 days	✓	14-May-2021	28 days	1 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W16	E298	06-May-2021	14-May-2021	----	9 days	✓	14-May-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W16	E298	06-May-2021	14-May-2021	----	9 days	✓	14-May-2021	28 days	1 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W16	E298	06-May-2021	14-May-2021	----	9 days	✓	14-May-2021	28 days	1 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
04-GAB-NPAG-_W15	E235.Br	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W15	E235.Br	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W15	E235.Br	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
07-IF-PAG-CW_W15	E235.Br	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
08-SED-PAG-CW_W15	E235.Br	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
09-FZONE-NPAG_W15	E235.Br	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
01_TSF_W19	E235.Br	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
02-IF-PAG_W14	E235.Br	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
03-SED-PAG_W14	E235.Br	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
04-GAB-NPAG-_W14	E235.Br	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W14	E235.Br	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W14	E235.Br	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
07-IF-PAG-CW_W14	E235.Br	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
08-SED-PAG-CW_W14	E235.Br	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
09-FZONE-NPAG_W14	E235.Br	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
02-IF-PAG_W16	E235.Br	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE 03-SED-PAG_W16	E235.Br	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 05-GAB-NPAG-_W16	E235.Br	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 05-SED-NPAG_W16	E235.Br	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 06-IF-NPAG_W16	E235.Br	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 07-IF-PAG-CW_W16	E235.Br	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 08-SED-PAG-CW_W16	E235.Br	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 09-FZONE-NPAG_W16	E235.Br	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 01_TSF_W18	E235.Br	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 02-IF-PAG_W13	E235.Br	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE 03-SED-PAG_W13	E235.Br	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 04-GAB-NPAG-_W13	E235.Br	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 05-SED-NPAG_W13	E235.Br	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 06-IF-NPAG_W13	E235.Br	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 07-IF-PAG-CW_W13	E235.Br	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 08-SED-PAG-CW_W13	E235.Br	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 09-FZONE-NPAG_W13	E235.Br	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 01_TSF_W21	E235.Br	06-May-2021	----	----	----		10-May-2021	28 days	4 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 01_TSF_W20	E235.Br	29-Apr-2021	----	----	----		08-May-2021	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
02-IF-PAG_W15	E235.Br	29-Apr-2021	----	----	----		07-May-2021	28 days	9 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
03-SED-PAG_W15	E235.Br	29-Apr-2021	----	----	----		07-May-2021	28 days	9 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
02-IF-PAG_W16	E235.Cl	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
03-SED-PAG_W16	E235.Cl	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
05-GAB-NPAG-_W16	E235.Cl	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
05-SED-NPAG_W16	E235.Cl	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
06-IF-NPAG_W16	E235.Cl	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
07-IF-PAG-CW_W16	E235.Cl	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
08-SED-PAG-CW_W16	E235.Cl	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE										
09-FZONE-NPAG_W16	E235.Cl	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
01_TSF_W20	E235.Cl	29-Apr-2021	----	----	----		08-May-2021	28 days	9 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
02-IF-PAG_W16	E235.F	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
03-SED-PAG_W16	E235.F	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
05-GAB-NPAG-_W16	E235.F	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
05-SED-NPAG_W16	E235.F	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
06-IF-NPAG_W16	E235.F	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
07-IF-PAG-CW_W16	E235.F	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
08-SED-PAG-CW_W16	E235.F	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
09-FZONE-NPAG_W16	E235.F	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
01_TSF_W20	E235.F	29-Apr-2021	----	----	----		08-May-2021	28 days	9 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
02-IF-PAG_W16	E235.NO3	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
03-SED-PAG_W16	E235.NO3	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
05-GAB-NPAG-_W16	E235.NO3	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
05-SED-NPAG_W16	E235.NO3	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
06-IF-NPAG_W16	E235.NO3	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
07-IF-PAG-CW_W16	E235.NO3	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
08-SED-PAG-CW_W16	E235.NO3	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
09-FZONE-NPAG_W16	E235.NO3	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
01_TSF_W20	E235.NO3	29-Apr-2021	----	----	----		08-May-2021	3 days	9 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
02-IF-PAG_W16	E235.NO2	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
03-SED-PAG_W16	E235.NO2	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
05-GAB-NPAG-_W16	E235.NO2	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
05-SED-NPAG_W16	E235.NO2	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
06-IF-NPAG_W16	E235.NO2	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
07-IF-PAG-CW_W16	E235.NO2	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
08-SED-PAG-CW_W16	E235.NO2	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
09-FZONE-NPAG_W16	E235.NO2	06-May-2021	----	----	----		08-May-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
01_TSF_W20	E235.NO2	29-Apr-2021	----	----	----		08-May-2021	3 days	9 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG-_W15	E235.SO4	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W15	E235.SO4	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W15	E235.SO4	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W15	E235.SO4	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W15	E235.SO4	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W15	E235.SO4	29-Apr-2021	----	----	----		10-May-2021	28 days	11 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W19	E235.SO4	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W14	E235.SO4	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W14	E235.SO4	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG-_W14	E235.SO4	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W14	E235.SO4	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W14	E235.SO4	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W14	E235.SO4	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W14	E235.SO4	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W14	E235.SO4	22-Apr-2021	----	----	----		07-May-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W16	E235.SO4	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W16	E235.SO4	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-GAB-NPAG-_W16	E235.SO4	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W16	E235.SO4	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W16	E235.SO4	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W16	E235.SO4	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W16	E235.SO4	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W16	E235.SO4	06-May-2021	----	----	----		08-May-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W18	E235.SO4	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W13	E235.SO4	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W13	E235.SO4	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG-_W13	E235.SO4	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W13	E235.SO4	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W13	E235.SO4	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W13	E235.SO4	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W13	E235.SO4	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W13	E235.SO4	15-Apr-2021	----	----	----		07-May-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W21	E235.SO4	06-May-2021	----	----	----		10-May-2021	28 days	4 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W20	E235.SO4	29-Apr-2021	----	----	----		08-May-2021	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W15	E235.SO4	29-Apr-2021	----	----	----		07-May-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W15	E235.SO4	29-Apr-2021	----	----	----		07-May-2021	28 days	9 days	✓
Cyanides : Total Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W20	E333	29-Apr-2021	----	----	----		13-May-2021	14 days	14 days	✓
Cyanides : WAD Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W20	E336	29-Apr-2021	----	----	----		13-May-2021	14 days	14 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
01_TSF_W20	E421	29-Apr-2021	12-May-2021	----	13 days	✓	12-May-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
02-IF-PAG_W16	E421	06-May-2021	12-May-2021	----	6 days	✓	12-May-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
03-SED-PAG_W16	E421	06-May-2021	12-May-2021	----	6 days	✓	12-May-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
05-GAB-NPAG-_W16	E421	06-May-2021	12-May-2021	----	6 days	✓	12-May-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
05-SED-NPAG_W16	E421	06-May-2021	12-May-2021	----	6 days	✓	12-May-2021	180 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 06-IF-NPAG_W16	E421	06-May-2021	12-May-2021	----	6 days	✓	12-May-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 07-IF-PAG-CW_W16	E421	06-May-2021	12-May-2021	----	6 days	✓	12-May-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 08-SED-PAG-CW_W16	E421	06-May-2021	12-May-2021	----	6 days	✓	12-May-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 09-FZONE-NPAG_W16	E421	06-May-2021	12-May-2021	----	6 days	✓	12-May-2021	180 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 02-IF-PAG_W16	E290	06-May-2021	----	----	----		07-May-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 03-SED-PAG_W16	E290	06-May-2021	----	----	----		07-May-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 05-GAB-NPAG-_W16	E290	06-May-2021	----	----	----		07-May-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 05-SED-NPAG_W16	E290	06-May-2021	----	----	----		07-May-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 06-IF-NPAG_W16	E290	06-May-2021	----	----	----		07-May-2021	14 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Alkalinity Species by Titration										
HDPE										
07-IF-PAG-CW_W16	E290	06-May-2021	----	----	----		07-May-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
08-SED-PAG-CW_W16	E290	06-May-2021	----	----	----		07-May-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
09-FZONE-NPAG_W16	E290	06-May-2021	----	----	----		07-May-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
01_TSF_W20	E290	29-Apr-2021	----	----	----		07-May-2021	14 days	9 days	✓
Physical Tests : Conductivity in Water										
HDPE										
02-IF-PAG_W16	E100	06-May-2021	----	----	----		07-May-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE										
03-SED-PAG_W16	E100	06-May-2021	----	----	----		07-May-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE										
05-GAB-NPAG-_W16	E100	06-May-2021	----	----	----		07-May-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE										
05-SED-NPAG_W16	E100	06-May-2021	----	----	----		07-May-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE										
06-IF-NPAG_W16	E100	06-May-2021	----	----	----		07-May-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE 07-IF-PAG-CW_W16	E100	06-May-2021	----	----	----		07-May-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE 08-SED-PAG-CW_W16	E100	06-May-2021	----	----	----		07-May-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE 09-FZONE-NPAG_W16	E100	06-May-2021	----	----	----		07-May-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE 01_TSF_W20	E100	29-Apr-2021	----	----	----		07-May-2021	28 days	9 days	✓
Physical Tests : pH by Meter										
HDPE 01_TSF_W20	E108	29-Apr-2021	----	----	----		07-May-2021	0.25 hrs	196 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 02-IF-PAG_W16	E108	06-May-2021	----	----	----		07-May-2021	0.25 hrs	28 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 03-SED-PAG_W16	E108	06-May-2021	----	----	----		07-May-2021	0.25 hrs	28 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 05-GAB-NPAG-_W16	E108	06-May-2021	----	----	----		07-May-2021	0.25 hrs	28 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 05-SED-NPAG_W16	E108	06-May-2021	----	----	----		07-May-2021	0.25 hrs	28 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE 06-IF-NPAG_W16	E108	06-May-2021	----	----	----		07-May-2021	0.25 hrs	28 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 07-IF-PAG-CW_W16	E108	06-May-2021	----	----	----		07-May-2021	0.25 hrs	28 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 08-SED-PAG-CW_W16	E108	06-May-2021	----	----	----		07-May-2021	0.25 hrs	28 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 09-FZONE-NPAG_W16	E108	06-May-2021	----	----	----		07-May-2021	0.25 hrs	28 hrs	× EHTR-FM

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	193481	1	19	5.2	5.0	✓
Ammonia by Fluorescence	E298	198039	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	193331	3	36	8.3	5.0	✓
Chloride in Water by IC	E235.Cl	193537	1	20	5.0	5.0	✓
Conductivity in Water	E100	193480	1	19	5.2	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	195827	2	25	8.0	5.0	✓
Fluoride in Water by IC	E235.F	193534	1	19	5.2	5.0	✓
Nitrate in Water by IC	E235.NO3	193538	1	19	5.2	5.0	✓
Nitrite in Water by IC	E235.NO2	193535	1	19	5.2	5.0	✓
pH by Meter	E108	193479	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	193332	3	55	5.4	5.0	✓
Total Cyanide by CFA	E333	196595	1	18	5.5	5.0	✓
WAD Cyanide by CFA	E336	196594	1	13	7.6	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	193481	1	19	5.2	5.0	✓
Ammonia by Fluorescence	E298	198039	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	193331	3	36	8.3	5.0	✓
Chloride in Water by IC	E235.Cl	193537	1	20	5.0	5.0	✓
Conductivity in Water	E100	193480	1	19	5.2	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	195827	2	25	8.0	5.0	✓
Fluoride in Water by IC	E235.F	193534	1	19	5.2	5.0	✓
Nitrate in Water by IC	E235.NO3	193538	1	19	5.2	5.0	✓
Nitrite in Water by IC	E235.NO2	193535	1	19	5.2	5.0	✓
pH by Meter	E108	193479	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	193332	3	55	5.4	5.0	✓
Total Cyanide by CFA	E333	196595	1	18	5.5	5.0	✓
WAD Cyanide by CFA	E336	196594	1	13	7.6	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	193481	1	19	5.2	5.0	✓
Ammonia by Fluorescence	E298	198039	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	193331	3	36	8.3	5.0	✓
Chloride in Water by IC	E235.Cl	193537	1	20	5.0	5.0	✓
Conductivity in Water	E100	193480	1	19	5.2	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	195827	2	25	8.0	5.0	✓
Fluoride in Water by IC	E235.F	193534	1	19	5.2	5.0	✓
Nitrate in Water by IC	E235.NO3	193538	1	19	5.2	5.0	✓
Nitrite in Water by IC	E235.NO2	193535	1	19	5.2	5.0	✓

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Sulfate in Water by IC	E235.SO4	193332	3	55	5.4	5.0	✓
Total Cyanide by CFA	E333	196595	1	18	5.5	5.0	✓
WAD Cyanide by CFA	E336	196594	1	13	7.6	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	198039	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	193331	3	36	8.3	5.0	✓
Chloride in Water by IC	E235.Cl	193537	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	195827	2	25	8.0	5.0	✓
Fluoride in Water by IC	E235.F	193534	1	19	5.2	5.0	✓
Nitrate in Water by IC	E235.NO3	193538	1	19	5.2	5.0	✓
Nitrite in Water by IC	E235.NO2	193535	1	19	5.2	5.0	✓
Sulfate in Water by IC	E235.SO4	193332	3	55	5.4	5.0	✓
Total Cyanide by CFA	E333	196595	1	18	5.5	5.0	✓
WAD Cyanide by CFA	E336	196594	1	13	7.6	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Bromide in Water by IC	E235.Br Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Calgary - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Cyanide by CFA	E333 Vancouver - Environmental	Water	ISO 14403 (mod)	Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.
WAD Cyanide by CFA	E336 Vancouver - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	"Hardness (as CaCO3), dissolved" is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in $CaCO_3$ equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Calgary - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO_3.

QUALITY CONTROL REPORT

Work Order	: **SK2101287**	Page	: 1 of 18
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 06-May-2021 16:45
PO	: ----	Date Analysis Commenced	: 07-May-2021
C-O-C number	: ----	Issue Date	: 15-May-2021 18:10
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 38		
No. of samples analysed	: 36		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Dwayne Bennett	Technical Specialist	Inorganics, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Nancy Cruse	Laboratory _ Supervisor	Inorganics, Saskatoon, Saskatchewan
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 193479)											
SK2101289-001	Anonymous	pH	----	E108	0.10	pH units	8.24	8.24	0.0203%	3%	----
Physical Tests (QC Lot: 193480)											
SK2101289-001	Anonymous	conductivity	----	E100	2.0	µS/cm	2150	2140	0.466%	10%	----
Physical Tests (QC Lot: 193481)											
SK2101289-001	Anonymous	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	439	449	2.30%	20%	----
Anions and Nutrients (QC Lot: 193331)											
SK2101287-001	01_TSF_W18	bromide	24959-67-9	E235.Br	20.0	mg/L	23.7	22.3	1.39	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 193332)											
SK2101287-001	01_TSF_W18	sulfate (as SO4)	14808-79-8	E235.SO4	60.0	mg/L	8350	8610	3.10%	20%	----
Anions and Nutrients (QC Lot: 193534)											
SK2101287-003	01_TSF_W20	fluoride	16984-48-8	E235.F	4.00	mg/L	<4.00	<4.00	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 193535)											
SK2101287-003	01_TSF_W20	nitrite (as N)	14797-65-0	E235.NO2	2.00	mg/L	3.82	4.00	0.183	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 193536)											
SK2101287-003	01_TSF_W20	sulfate (as SO4)	14808-79-8	E235.SO4	60.0	mg/L	7080	7290	2.96%	20%	----
Anions and Nutrients (QC Lot: 193537)											
SK2101287-003	01_TSF_W20	chloride	16887-00-6	E235.Cl	100	mg/L	5140	5300	3.15%	20%	----
Anions and Nutrients (QC Lot: 193538)											
SK2101287-003	01_TSF_W20	nitrate (as N)	14797-55-8	E235.NO3	4.00	mg/L	375	388	3.29%	20%	----
Anions and Nutrients (QC Lot: 193539)											
SK2101287-003	01_TSF_W20	bromide	24959-67-9	E235.Br	20.0	mg/L	<20.0	<20.0	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 194354)											
SK2101287-004	01_TSF_W21	bromide	24959-67-9	E235.Br	20.0	mg/L	<20.0	<20.0	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 194355)											
SK2101287-004	01_TSF_W21	sulfate (as SO4)	14808-79-8	E235.SO4	60.0	mg/L	7290	7290	0.102%	20%	----
Anions and Nutrients (QC Lot: 198039)											
RG2100127-005	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0250	mg/L	0.973	1.06	8.83%	20%	----
Cyanides (QC Lot: 196594)											
YL2100352-001	Anonymous	cyanide, weak acid dissociable	----	E336	0.0050	mg/L	<0.0050	<0.0050	0	Diff <2x LOR	----
Cyanides (QC Lot: 196595)											
YL2100352-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.0250	mg/L	0.0794	0.0814	0.0019	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 195827)											
SK2101287-032	08-SED-PAG-CW_W16	aluminum, dissolved	7429-90-5	E421	0.0500	mg/L	0.0655	<0.0500	0.0155	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		barium, dissolved	7440-39-3	E421	0.00500	mg/L	0.177	0.175	1.51%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.00250	mg/L	<0.00250	<0.00250	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.500	mg/L	0.936	0.989	0.053	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.000250	mg/L	0.00333	0.00294	12.5%	20%	----
		calcium, dissolved	7440-70-2	E421	2.50	mg/L	1770	1810	2.40%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000500	mg/L	0.00810	0.00790	2.53%	20%	----
		chromium, dissolved	7440-47-3	E421	0.0250	mg/L	<0.0250	<0.0250	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00500	mg/L	0.0269	0.0264	0.00049	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		iron, dissolved	7439-89-6	E421	1.50	mg/L	<1.50	<1.50	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.00250	mg/L	<0.00250	<0.00250	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0500	mg/L	0.285	0.314	0.0296	Diff <2x LOR	----
		magnesium, dissolved	7439-95-4	E421	0.250	mg/L	2160	2150	0.424%	20%	----
		manganese, dissolved	7439-96-5	E421	0.250	mg/L	0.328	0.325	0.00300	Diff <2x LOR	----
		molybdenum, dissolved	7439-98-7	E421	0.00250	mg/L	0.0209	0.0216	0.000722	Diff <2x LOR	----
		nickel, dissolved	7440-02-0	E421	0.0250	mg/L	0.190	0.192	0.00200	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	2.50	mg/L	<2.50	<2.50	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	2.50	mg/L	566	571	0.978%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.0100	mg/L	0.231	0.232	0.677%	20%	----
		selenium, dissolved	7782-49-2	E421	0.00250	mg/L	<0.00250	<0.00250	0	Diff <2x LOR	----
		silicon, dissolved	7440-21-3	E421	2.50	mg/L	<2.50	<2.50	0	Diff <2x LOR	----
		silver, dissolved	7440-22-4	E421	0.000500	mg/L	0.00136	0.00145	0.000095	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	2.50	mg/L	15900	16000	0.529%	20%	----
		strontium, dissolved	7440-24-6	E421	0.0100	mg/L	42.4	40.8	4.06%	20%	----
		sulfur, dissolved	7704-34-9	E421	25.0	mg/L	1190	1220	3.05%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000500	mg/L	0.00110	0.00107	0.000034	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.0150	mg/L	<0.0150	<0.0150	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 195827) - continued											
SK2101287-032	08-SED-PAG-CW_W16	uranium, dissolved	7440-61-1	E421	0.000500	mg/L	0.0309	0.0299	3.50%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.0250	mg/L	<0.0250	<0.0250	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0500	mg/L	0.250	0.244	0.0057	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.0150	mg/L	<0.0150	<0.0150	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 195828)											
SK2101287-003	01_TSF_W20	aluminum, dissolved	7429-90-5	E421	0.0500	mg/L	<0.0500	<0.0500	0	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.00500	mg/L	0.00945	0.00826	0.00119	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00500	mg/L	0.601	0.611	1.68%	20%	----
		barium, dissolved	7440-39-3	E421	0.00500	mg/L	0.0551	0.0551	0.107%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.00250	mg/L	<0.00250	<0.00250	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.500	mg/L	1.84	1.83	0.008	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.000250	mg/L	0.000423	0.000392	0.0000315	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	2.50	mg/L	621	618	0.508%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.0250	mg/L	<0.0250	<0.0250	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00500	mg/L	0.931	0.934	0.314%	20%	----
		copper, dissolved	7440-50-8	E421	0.0100	mg/L	0.0180	0.0195	0.00157	Diff <2x LOR	----
		iron, dissolved	7439-89-6	E421	1.50	mg/L	<1.50	<1.50	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.00250	mg/L	<0.00250	<0.00250	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0500	mg/L	<0.0500	<0.0500	0	Diff <2x LOR	----
		magnesium, dissolved	7439-95-4	E421	0.250	mg/L	92.5	95.0	2.62%	20%	----
		manganese, dissolved	7439-96-5	E421	0.250	mg/L	3.82	3.88	1.69%	20%	----
		molybdenum, dissolved	7439-98-7	E421	0.00250	mg/L	0.698	0.699	0.194%	20%	----
		nickel, dissolved	7440-02-0	E421	0.0250	mg/L	<0.0250	<0.0250	0	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	2.50	mg/L	<2.50	<2.50	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	2.50	mg/L	550	563	2.25%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.0100	mg/L	0.0594	0.0562	0.00318	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.00250	mg/L	0.0498	0.0435	13.7%	20%	----
		silicon, dissolved	7440-21-3	E421	2.50	mg/L	4.67	4.79	0.123	Diff <2x LOR	----
		silver, dissolved	7440-22-4	E421	0.000500	mg/L	0.00167	0.00175	0.000082	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	2.50	mg/L	6890	7070	2.54%	20%	----
		strontium, dissolved	7440-24-6	E421	0.0100	mg/L	2.44	2.42	1.01%	20%	----
		sulfur, dissolved	7704-34-9	E421	25.0	mg/L	3710	3800	2.63%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 195828) - continued											
SK2101287-003	01_TSF_W20	thallium, dissolved	7440-28-0	E421	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.0150	mg/L	<0.0150	<0.0150	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000500	mg/L	0.00906	0.00902	0.398%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.0250	mg/L	<0.0250	<0.0250	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0500	mg/L	<0.0500	<0.0500	0	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.0150	mg/L	<0.0150	<0.0150	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 193480)						
conductivity	----	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 193481)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 193331)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 193332)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 193534)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 193535)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 193536)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 193537)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 193538)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 193539)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 194354)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 194355)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 198039)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Cyanides (QCLot: 196594)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
Cyanides (QCLot: 196595)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 195827)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 195827) - continued						
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 195828)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 195828) - continued						
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 193479)									
pH	----	E108	----	pH units	6.86 pH units	100	98.0	102	----
Physical Tests (QCLot: 193480)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	99.8	90.0	110	----
Physical Tests (QCLot: 193481)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	99.9	85.0	115	----
Anions and Nutrients (QCLot: 193331)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	103	85.0	115	----
Anions and Nutrients (QCLot: 193332)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	106	90.0	110	----
Anions and Nutrients (QCLot: 193534)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	94.5	90.0	110	----
Anions and Nutrients (QCLot: 193535)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 193536)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 193537)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 193538)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 193539)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	100	85.0	115	----
Anions and Nutrients (QCLot: 194354)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	103	85.0	115	----
Anions and Nutrients (QCLot: 194355)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	108	90.0	110	----
Anions and Nutrients (QCLot: 198039)									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.1 mg/L	96.2	85.0	115	----
Cyanides (QCLot: 196594)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	99.9	80.0	120	----
Cyanides (QCLot: 196595)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	92.4	80.0	120	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
					Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 195827)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	99.2	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	98.7	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	97.6	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	98.2	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	105	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	97.5	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	99.5	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	100	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	93.2	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	97.0	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	99.1	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	96.3	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	109	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	101	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	102	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	101	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	99.0	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	99.3	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	99.3	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	108	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	102	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	99.7	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	96.9	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	103	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	101	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	100	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	104	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	106	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	96.4	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	102	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	98.0	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	97.1	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	92.0	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	101	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	96.1	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	98.7	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	103	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 195827) - continued									
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	99.7	80.0	120	----
Dissolved Metals (QCLot: 195828)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	103	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	102	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	97.8	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	102	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	103	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	111	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	104	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	98.8	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	103	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	89.5	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	96.3	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	98.9	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	98.4	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	111	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	104	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	112	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	100	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	99.6	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	100	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	109	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	103	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	100	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	97.6	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	105	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	104	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	102	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	101	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	110	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	98.2	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	105	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	103	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	97.3	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	95.5	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	106	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 195828) - continued									
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	103	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	99.5	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	102	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	102	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 193331)										
SK2101287-002	01_TSF_W19	bromide	24959-67-9	E235.Br	ND mg/L	0.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 193332)										
SK2101287-002	01_TSF_W19	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 193534)										
SK2101287-008	02-IF-PAG_W16	fluoride	16984-48-8	E235.F	0.968 mg/L	1 mg/L	96.8	75.0	125	----
Anions and Nutrients (QCLot: 193535)										
SK2101287-008	02-IF-PAG_W16	nitrite (as N)	14797-65-0	E235.NO2	0.481 mg/L	0.5 mg/L	96.2	75.0	125	----
Anions and Nutrients (QCLot: 193536)										
SK2101287-008	02-IF-PAG_W16	sulfate (as SO4)	14808-79-8	E235.SO4	95.9 mg/L	100 mg/L	95.9	90.0	110	----
Anions and Nutrients (QCLot: 193537)										
SK2101287-008	02-IF-PAG_W16	chloride	16887-00-6	E235.Cl	98.9 mg/L	100 mg/L	98.9	75.0	125	----
Anions and Nutrients (QCLot: 193538)										
SK2101287-008	02-IF-PAG_W16	nitrate (as N)	14797-55-8	E235.NO3	2.49 mg/L	2.5 mg/L	99.7	75.0	125	----
Anions and Nutrients (QCLot: 193539)										
SK2101287-008	02-IF-PAG_W16	bromide	24959-67-9	E235.Br	0.50 mg/L	0.5 mg/L	99.5	75.0	125	----
Anions and Nutrients (QCLot: 194354)										
SK2101287-019	05-SED-NPAG_W15	bromide	24959-67-9	E235.Br	ND mg/L	0.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 194355)										
SK2101287-019	05-SED-NPAG_W15	sulfate (as SO4)	14808-79-8	E235.SO4	109 mg/L	100 mg/L	109	90.0	110	----
Anions and Nutrients (QCLot: 198039)										
RG2100133-001	Anonymous	ammonia, total (as N)	7664-41-7	E298	ND mg/L	0.1 mg/L	ND	75.0	125	----
Cyanides (QCLot: 196594)										
VA21A8632-001	Anonymous	cyanide, weak acid dissociable	----	E336	0.111 mg/L	0.125 mg/L	89.2	75.0	125	----
Cyanides (QCLot: 196595)										
VA21A8632-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.206 mg/L	0.25 mg/L	82.4	75.0	125	----
Dissolved Metals (QCLot: 195827)										
SK2101287-036	09-FZONE-NPAG_W16	aluminum, dissolved	7429-90-5	E421	0.201 mg/L	0.2 mg/L	100	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0206 mg/L	0.02 mg/L	103	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 195827) - continued										
SK2101287-036	09-FZONE-NPAG_W16	arsenic, dissolved	7440-38-2	E421	0.0196 mg/L	0.02 mg/L	98.0	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0411 mg/L	0.04 mg/L	103	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.0103 mg/L	0.01 mg/L	103	70.0	130	----
		boron, dissolved	7440-42-8	E421	0.093 mg/L	0.1 mg/L	92.7	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00392 mg/L	0.004 mg/L	98.1	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.00991 mg/L	0.01 mg/L	99.1	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0382 mg/L	0.04 mg/L	95.5	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0193 mg/L	0.02 mg/L	96.3	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0188 mg/L	0.02 mg/L	93.9	70.0	130	----
		iron, dissolved	7439-89-6	E421	1.95 mg/L	2 mg/L	97.7	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0194 mg/L	0.02 mg/L	96.9	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.104 mg/L	0.1 mg/L	104	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	0.0192 mg/L	0.02 mg/L	95.8	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0205 mg/L	0.02 mg/L	102	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0390 mg/L	0.04 mg/L	97.4	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	10.7 mg/L	10 mg/L	107	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0200 mg/L	0.02 mg/L	100	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0401 mg/L	0.04 mg/L	100	70.0	130	----
		silicon, dissolved	7440-21-3	E421	9.63 mg/L	10 mg/L	96.3	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00393 mg/L	0.004 mg/L	98.2	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	21.5 mg/L	20 mg/L	107	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0401 mg/L	0.04 mg/L	100	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00400 mg/L	0.004 mg/L	100	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0215 mg/L	0.02 mg/L	107	70.0	130	----
		tin, dissolved	7440-31-5	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0399 mg/L	0.04 mg/L	99.8	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0212 mg/L	0.02 mg/L	106	70.0	130	----
		uranium, dissolved	7440-61-1	E421	0.00422 mg/L	0.004 mg/L	106	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.0989 mg/L	0.1 mg/L	98.9	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.401 mg/L	0.4 mg/L	100	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0409 mg/L	0.04 mg/L	102	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 195828)										
SK2101287-008	02-IF-PAG_W16	aluminum, dissolved	7429-90-5	E421	0.208 mg/L	0.2 mg/L	104	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0197 mg/L	0.02 mg/L	98.6	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0196 mg/L	0.02 mg/L	98.1	70.0	130	----
		barium, dissolved	7440-39-3	E421	0.0179 mg/L	0.02 mg/L	89.5	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0425 mg/L	0.04 mg/L	106	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00995 mg/L	0.01 mg/L	99.5	70.0	130	----
		boron, dissolved	7440-42-8	E421	0.099 mg/L	0.1 mg/L	99.2	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00386 mg/L	0.004 mg/L	96.6	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.00956 mg/L	0.01 mg/L	95.6	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0392 mg/L	0.04 mg/L	98.0	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0194 mg/L	0.02 mg/L	97.0	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0188 mg/L	0.02 mg/L	94.2	70.0	130	----
		iron, dissolved	7439-89-6	E421	2.01 mg/L	2 mg/L	100	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0196 mg/L	0.02 mg/L	97.9	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.109 mg/L	0.1 mg/L	109	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	0.0190 mg/L	0.02 mg/L	94.8	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0202 mg/L	0.02 mg/L	101	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0394 mg/L	0.04 mg/L	98.6	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	10.5 mg/L	10 mg/L	105	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0201 mg/L	0.02 mg/L	100	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0391 mg/L	0.04 mg/L	97.7	70.0	130	----
		silicon, dissolved	7440-21-3	E421	9.95 mg/L	10 mg/L	99.5	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00393 mg/L	0.004 mg/L	98.3	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0393 mg/L	0.04 mg/L	98.2	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00390 mg/L	0.004 mg/L	97.5	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0208 mg/L	0.02 mg/L	104	70.0	130	----
		tin, dissolved	7440-31-5	E421	0.0196 mg/L	0.02 mg/L	97.9	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0400 mg/L	0.04 mg/L	100.0	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0215 mg/L	0.02 mg/L	107	70.0	130	----
		uranium, dissolved	7440-61-1	E421	ND mg/L	0.004 mg/L	ND	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.101 mg/L	0.1 mg/L	101	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 195828) - continued										
SK2101287-008	02-IF-PAG_W16	zinc, dissolved	7440-66-6	E421	0.392 mg/L	0.4 mg/L	98.0	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0410 mg/L	0.04 mg/L	102	70.0	130	----

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Nu

Environmental Division Saskatoon

Work Order Reference

SK2101287

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact yo

Regular [R] ☑ Standard TAT if recei

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 B | Sa | (La

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the servi

pply) ☐ 00% ☐

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only):

ALS Contact: | Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P								
	01_TSF_W18	15-Apr-21	13:45	Leachate	1	R			R					Y
	01_TSF_W19	22-Apr-21	14:18	Leachate	1	R			R					Y
	01_TSF_W20	29-Apr-21	12:55	Leachate	4	R	R	R		R	R	R		Y
	01_TSF_W21	6-May-21	13:40	Leachate	1	R			R					Y
	02-IF-PAG_W13	15-Apr-21	13:45	Leachate	1	R			R					Y
	02-IF-PAG_W14	22-Apr-21	14:18	Leachate	1	R			R					Y
	02-IF-PAG_W15	29-Apr-21	12:55	Leachate	1	R			R					Y
	02-IF-PAG_W16	6-May-21	13:40	Leachate	3	R	R	R				R		Y
	03-SED-PAG_W13	15-Apr-21	13:45	Leachate	1	R			R					Y
	03-SED-PAG_W14	22-Apr-21	14:18	Leachate	1	R			R					Y
	03-SED-PAG_W15	29-Apr-21	12:55	Leachate	1	R			R					Y
	03-SED-PAG_W16	6-May-21	13:40	Leachate	3	R	R	R				R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: May 6, 2021	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

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REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Numb

Environmental Division Saskatoon

Work Order Reference

SK2101287

Telephone : +1 306 668 9370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact you

Regular [R] ☑ Standard TAT if receive

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 B | San | (La

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the servic

Project Information	
ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only): | **ALS Contact:** | **Sampler:**

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P								
	04-GAB-NPAG_W13	15-Apr-21	13:45	Leachate	1	R			R					Y
	04-GAB-NPAG_W14	22-Apr-21	14:18	Leachate	1	R			R					Y
	04-GAB-NPAG_W15	29-Apr-21	12:55	Leachate	1	R			R					Y
	04-GAB-NPAG_W16	6-May-21	13:40	Leachate	3	R	R	R				R		Y
	05-SED-NPAG_W13	15-Apr-21	13:45	Leachate	1	R			R					Y
	05-SED-NPAG_W14	22-Apr-21	14:18	Leachate	1	R			R					Y
	05-SED-NPAG_W15	29-Apr-21	12:55	Leachate	1	R			R					Y
	05-SED-NPAG_W16	6-May-21	13:40	Leachate	3	R	R	R				R		Y
	06-IF-NPAG_W13	15-Apr-21	13:45	Leachate	1	R			R					Y
	06-IF-NPAG_W14	22-Apr-21	14:18	Leachate	1	R			R					Y
	06-IF-NPAG_W15	29-Apr-21	12:55	Leachate	1	R			R					Y
	06-IF-NPAG_W16	6-May-21	13:40	Leachate	3	R	R	R				R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: April 8, 2021	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 1

Page

Environmental Division Saskatoon

Work Order Reference SK2101287

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report	Report Format / Distribution	Select Service Level Below - Contact your AM to cc
Company:	Okane Consultants	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	Regular [R] ☑ Standard TAT if received by 3 pm -
Contact:	Jared Robertson	Quality Control (QC) Report with Report ☑ YES ☐ NO	PRIORITY (Business Days): 4 day [P4-20%] ☐ / 3 day [P3-25%] ☐ / 2 day [P2-50%] ☐ — EMERGENCY: 1 Business d / Same Day, We / (Laboratory o
Phone:	1 (306) 713-1695	☐ Compare Results to Criteria on Report - provide details below if box checked	
	Company address below will appear on the final report	Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	
Street:	112-112 Research Drive	Email 1 or Fax jrobertson@okc-sk.com	Date and Time Required for all E&P TATs:
City/Province:	Saskatoon, SK	Email 2	For tests that can not be performed according to the service level selected, you will be contacted.
Postal Code:	S7N 3R3	Email 3	

Invoice To	Same as Report To ☑ YES ☐ NO	Invoice Distribution	
	Copy of Invoice with Report ☑ YES ☐ NO	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	
Company:		Email 1 or Fax jrobertson@okc-sk.com	
Contact:		Email 2	

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	Q83455	AFE/Cost Center:	PO#
Job #:	948-021	Major/Minor Code:	Routing Code:
PO / AFE:		Requisitioner:	
LSD:		Location:	
ALS Lab Work Order # (lab use only):		ALS Contact:	Sampler:

Analysis Request — Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3-TKN-PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P								
	07-IF-PAG-CW_W13	15-Apr-21	13:45	Leachate	1	R			R					Y
	07-IF-PAG-CW_W14	22-Apr-21	14:18	Leachate	1	R			R					Y
	07-IF-PAG-CW_W15	29-Apr-21	12:55	Leachate	1	R			R					Y
	07-IF-PAG-CW_W16	6-May-21	13:40	Leachate	3	R	R	R				R		Y
	08-SED-PAG-CW_W13	15-Apr-21	13:45	Leachate	1	R			R					Y
	08-SED-PAG-CW_W14	22-Apr-21	14:18	Leachate	1	R			R					Y
	08-SED-PAG-CW_W15	29-Apr-21	12:55	Leachate	1	R			R					Y
	08-SED-PAG-CW_W16	6-May-21	13:40	Leachate	3	R	R	R				R		Y
	09-FZONE-NPAG_W13	15-Apr-21	13:45	Leachate	1	R			R					Y
	09-FZONE-NPAG_W14	22-Apr-21	14:18	Leachate	1	R			R					Y
	09-FZONE-NPAG_W15	29-Apr-21	12:55	Leachate	1	R			R					Y
	09-FZONE-NPAG_W16	6-May-21	13:40	Leachate	3	R	R	R				R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
1.40							

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: April 8, 2021	Time:	Received by:	Date: 06-May-21	Time: 17:45	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

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1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2101741**	Page	: 1 of 23
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 03-Jun-2021 16:51
PO	: ----	Date Analysis Commenced	: 04-Jun-2021
C-O-C number	: ----	Issue Date	: 28-Jun-2021 15:53
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 35		
No. of samples analysed	: 35		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Inorganics, Burnaby, British Columbia
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Lindsay Gung	Supervisor - Water Chemistry	Inorganics, Burnaby, British Columbia
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Miles Gropen	Department Manager - Inorganics	Inorganics, Burnaby, British Columbia
Naeun Kim	Analyst	Inorganics, Calgary, Alberta
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Sara Niroomand		Inorganics, Calgary, Alberta

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLHC	*Detection Limit Raised: Dilution required due to high concentration of test analyte(s).*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*
RRV	*Reported result verified by repeat analysis.*

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W22	01_TSF_W23	01_TSF_W24	01_TSF_W25	02-IF-PAG_W17
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-001	SK2101741-002	SK2101741-003	SK2101741-004	SK2101741-005
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	1530	----	----
conductivity	----	E100	2.0	µS/cm		----	----	18300	----	----
pH	----	E108	0.10	pH units		----	----	8.04	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	365	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	299	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	13200	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	39.1	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		<20.0 DLDS	20.3	<10.0 DLDS	13.4	0.14
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		6280	11200	5230	9320	79.0
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	305	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	2380	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<2.00 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	178	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	5.16	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	183	----	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		----	----	0.744	----	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		----	----	<0.100 DLHC	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	195	----	----
cation sum	----	EC101	0.10	meq/L		----	----	199	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	1.02	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	102	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.0200 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00785	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W22	01_TSF_W23	01_TSF_W24	01_TSF_W25	02-IF-PAG_W17
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-001	SK2101741-002	SK2101741-003	SK2101741-004	SK2101741-005
						Result	Result	Result	Result	Result
Dissolved Metals										
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.646	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0459	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000400 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.00100 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	1.55	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.000254	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	498	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	<0.000200 DLDS	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.0100 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	0.412	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00988	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.600 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.00100 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	<0.0200 DLDS	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	70.5	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	2.41	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.496	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	<0.0100 DLDS	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<1.00 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	339	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.0456	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.0212	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	5.63	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.000804	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	3600	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	2.03	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	2240	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00400 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	0.000323	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00200 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00287	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W22	01_TSF_W23	01_TSF_W24	01_TSF_W25	02-IF-PAG_W17
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-001	SK2101741-002	SK2101741-003	SK2101741-004	SK2101741-005
						Result	Result	Result	Result	Result
Dissolved Metals										
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00600 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.00200 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00752	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.0100 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.0247	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00600 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W18	02-IF-PAG_W19	02-IF-PAG_W20	03-SED-PAG_W17	03-SED-PAG_W18
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-006	SK2101741-007	SK2101741-008	SK2101741-009	SK2101741-010
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	59.3	----	----
conductivity	----	E100	2.0	µS/cm		----	----	450	----	----
pH	----	E108	0.10	pH units		----	----	8.16	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	132	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	108	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	268	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	0.174	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		0.12	<0.10	<0.10	0.44	<1.00 DLM
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		84.8	91.4	101	50.6	45.4
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	<0.200	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	5.20	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	0.413	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<0.020	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<0.010	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<0.0500	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	4.43	----	----
cation sum	----	EC101	0.10	meq/L		----	----	4.03	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	4.73	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	91.0	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	0.0283	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.0105	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.00084	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0243	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000020	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000050	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W18	02-IF-PAG_W19	02-IF-PAG_W20	03-SED-PAG_W17	03-SED-PAG_W18
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-006	SK2101741-007	SK2101741-008	SK2101741-009	SK2101741-010
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.082	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	<0.0000050	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	15.1	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.000061	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.00050	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.00010	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00147	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.030	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.000050	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.0075	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	5.25	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	<0.00500	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.00484	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.00062	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.050	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	6.24	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.00523	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.000148	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	2.98	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	<0.000010	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	61.3	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	0.0854	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	32.3	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00020	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.000010	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00010	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00561	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00030	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	0.00238	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00772	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00050	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W18	02-IF-PAG_W19	02-IF-PAG_W20	03-SED-PAG_W17	03-SED-PAG_W18
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-006	SK2101741-007	SK2101741-008	SK2101741-009	SK2101741-010
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.0100	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00030	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W19	03-SED-PAG_W20	04-GAB-NPAG_W17	04-GAB-NPAG_W18	04-GAB-NPAG_W19
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-011	SK2101741-012	SK2101741-013	SK2101741-014	SK2101741-015
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	63.1	----	----	----
conductivity	----	E100	2.0	µS/cm		----	354	----	----	----
pH	----	E108	0.10	pH units		----	8.22	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	140	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	115	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	206	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	0.0100	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		<1.00 DLM	0.14	<1.00 DLM	0.42	0.32
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	<0.0020	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		46.2	50.7	26.5	26.2	26.1
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	<0.200	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	6.55	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	0.663	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<0.020	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<0.010	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<0.0500	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	3.57	----	----	----
cation sum	----	EC101	0.10	meq/L		----	3.30	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	3.93	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	92.4	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.0557	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	0.00226	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	0.00330	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.0139	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.000020	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.000050	----	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W19	03-SED-PAG_W20	04-GAB-NPAG_W17	04-GAB-NPAG_W18	04-GAB-NPAG_W19
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-011	SK2101741-012	SK2101741-013	SK2101741-014	SK2101741-015
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	0.065	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.0000083	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	14.2	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.000035	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.00050	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	<0.00010	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	0.00092	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<0.030	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.000050	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.0122	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	6.71	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.00500	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0215	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.00054	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<0.050	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	8.89	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.00292	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	0.000647	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	2.90	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	<0.000010	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	41.6	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	0.0740	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	16.3	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.00020	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.000013	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.00010	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	0.00454	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.00030	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	0.00039	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.00488	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	0.00058	----	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W19	03-SED-PAG_W20	04-GAB-NPAG_W17	04-GAB-NPAG_W18	04-GAB-NPAG_W19
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-011	SK2101741-012	SK2101741-013	SK2101741-014	SK2101741-015
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.0037	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.00030	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W20	05-SED-NPAG_W17	05-SED-NPAG_W18	05-SED-NPAG_W19	05-SED-NPAG_W20
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-016	SK2101741-017	SK2101741-018	SK2101741-019	SK2101741-020
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		19.3	----	----	----	43.3
conductivity	----	E100	2.0	µS/cm		499	----	----	----	295
pH	----	E108	0.10	pH units		8.45	----	----	----	8.21
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		246	----	----	----	140
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		4.6	----	----	----	<1.0
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	<1.0
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		210	----	----	----	115
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		291	----	----	----	167
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.242	----	----	----	0.0472
bromide	24959-67-9	E235.Br	0.10	mg/L		0.26	0.49	0.35	0.23	0.16
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		<0.0020	----	----	----	<0.0020
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		28.2	25.0	23.6	20.8	19.4
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		0.216	----	----	----	<0.200
chloride	16887-00-6	E235.Cl	0.50	mg/L		14.8	----	----	----	9.19
fluoride	16984-48-8	E235.F	0.020	mg/L		0.578	----	----	----	0.682
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020	----	----	----	<0.020
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010	----	----	----	<0.010
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	<0.0500
Ion Balance										
anion sum	----	EC101	0.10	meq/L		5.23	----	----	----	3.00
cation sum	----	EC101	0.10	meq/L		4.96	----	----	----	2.79
ion balance (cation-anion difference)	----	EC101	0.010	%		2.65	----	----	----	3.63
ion balance (cations/anions ratio)	----	EC101	0.010	%		94.8	----	----	----	93.0
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0879	----	----	----	0.0772
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00268	----	----	----	0.00193
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.0188	----	----	----	0.148
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.00958	----	----	----	0.0116
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W20	05-SED-NPAG_W17	05-SED-NPAG_W18	05-SED-NPAG_W19	05-SED-NPAG_W20
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-016	SK2101741-017	SK2101741-018	SK2101741-019	SK2101741-020
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.089	----	----	----	0.071
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	0.0000054
calcium, dissolved	7440-70-2	E421	0.050	mg/L		5.05	----	----	----	10.3
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000314	----	----	----	0.000055
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00050	----	----	----	<0.00050
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00015	----	----	----	0.00023
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00194	----	----	----	0.00110
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		0.000052	----	----	----	<0.000050
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0078	----	----	----	0.0071
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		1.63	----	----	----	4.27
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		<0.00500	----	----	----	<0.00500
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00607	----	----	----	0.00887
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00077	----	----	----	0.00111
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		4.36	----	----	----	7.11
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00325	----	----	----	0.00259
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.00115	----	----	----	0.000392
silicon, dissolved	7440-21-3	E421	0.050	mg/L		2.87	----	----	----	2.63
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		102	----	----	----	39.8
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0146	----	----	----	0.0487
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		9.49	----	----	----	6.48
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000026	----	----	----	0.000010
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.00531	----	----	----	0.00717
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00111	----	----	----	0.00054
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.0232	----	----	----	0.00638
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00763	----	----	----	0.00182

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID: 04-GAB-NPAG_W20	05-SED-NPAG_W17	05-SED-NPAG_W18	05-SED-NPAG_W19	05-SED-NPAG_W20
					Client sampling date / time: 13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
					SK2101741-016	SK2101741-017	SK2101741-018	SK2101741-019	SK2101741-020
					Result	Result	Result	Result	Result
Dissolved Metals									
zinc, dissolved	7440-66-6	E421	0.0010	mg/L	0.0183	----	----	----	0.0048
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L	<0.00030	----	----	----	<0.00030
dissolved metals filtration location	----	EP421	-	-	Field	----	----	----	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W17	06-IF-NPAG_W18	06-IF-NPAG_W19	06-IF-NPAG_W20	07-IF-PAG-CW_W18
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-021	SK2101741-022	SK2101741-023	SK2101741-024	SK2101741-025
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	----	52.1	----
conductivity	----	E100	2.0	µS/cm		----	----	----	382	----
pH	----	E108	0.10	pH units		----	----	----	8.24	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	----	156	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	----	128	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	----	192	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	0.0184	----
bromide	24959-67-9	E235.Br	0.10	mg/L		0.38	0.28	<1.00 DLM	<1.00 DLM	163
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	----	<0.0020	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		30.6	31.9	28.7	28.5	3070
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	----	<0.200	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	----	6.41	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	----	0.380	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	----	<0.200 DLM	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	----	<0.100 DLM	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	----	<0.224	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	----	3.35	----
cation sum	----	EC101	0.10	meq/L		----	----	----	3.11	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	----	3.72	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	----	92.8	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0152	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.0197	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.00156	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0230	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000050	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W17	06-IF-NPAG_W18	06-IF-NPAG_W19	06-IF-NPAG_W20	07-IF-PAG-CW_W18
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-021	SK2101741-022	SK2101741-023	SK2101741-024	SK2101741-025
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.092	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	----	13.6	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	0.000035	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	<0.00010	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00120	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	----	<0.030	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0138	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	----	4.41	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	----	<0.00500	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.00633	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	0.00074	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.050	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	----	13.8	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.0110	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.000177	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	3.41	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	----	39.3	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	0.163	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	10.2	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	0.000011	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00010	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00556	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	0.00116	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.00556	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00050	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W17	06-IF-NPAG_W18	06-IF-NPAG_W19	06-IF-NPAG_W20	07-IF-PAG-CW_W18
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-021	SK2101741-022	SK2101741-023	SK2101741-024	SK2101741-025
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0088	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00030	----
dissolved metals filtration location	----	EP421	-	-		----	----	----	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W19	07-IF-PAG-CW_W20	08-SED-PAG-CW_W17	08-SED-PAG-CW_W18	08-SED-PAG-CW_W19
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-026	SK2101741-027	SK2101741-028	SK2101741-029	SK2101741-030
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	12400	----	----	----
conductivity	----	E100	2.0	µS/cm		----	77900	----	----	----
pH	----	E108	0.10	pH units		----	7.60	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	71.6	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	58.7	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	55000	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	4.67 RRV	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		157	148	153	150	138
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	<0.0020	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3150	3260	3060	3250	3170
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	1.75	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	31700	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	<8.00 DLDS	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<8.00 DLDS	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<4.00 DLDS	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<8.94	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	963	----	----	----
cation sum	----	EC101	0.10	meq/L		----	948	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	0.785	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	98.4	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	<0.100 DLDS	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	0.0127	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.186	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.00200 DLDS	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W19	07-IF-PAG-CW_W20	08-SED-PAG-CW_W17	08-SED-PAG-CW_W18	08-SED-PAG-CW_W19
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-026	SK2101741-027	SK2101741-028	SK2101741-029	SK2101741-030
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	1.06	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.00168	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	1700	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.0167	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<3.00 DLDS	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.306	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	1970	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.500 DLDS	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.00772	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.0777	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	550	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.509	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	0.00192	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	15800	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	40.6	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	1180	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	<0.00100 DLDS	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.0152	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W19	07-IF-PAG-CW_W20	08-SED-PAG-CW_W17	08-SED-PAG-CW_W18	08-SED-PAG-CW_W19
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-026	SK2101741-027	SK2101741-028	SK2101741-029	SK2101741-030
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.213	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W20	09-FZONE-NPAG_W17	09-FZONE-NPAG_W18	09-FZONE-NPAG_W19	09-FZONE-NPAG_W20
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-031	SK2101741-032	SK2101741-033	SK2101741-034	SK2101741-035
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		12400	----	----	----	75.1
conductivity	----	E100	2.0	µS/cm		77700	----	----	----	333
pH	----	E108	0.10	pH units		7.58	----	----	----	8.29
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		57.7	----	----	----	143
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	<1.0
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	<1.0
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		47.3	----	----	----	118
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		54600	----	----	----	171
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		5.24 RRV	----	----	----	0.0842
bromide	24959-67-9	E235.Br	0.10	mg/L		132	<0.20 DLDS	0.14	<0.10	<0.10
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		<0.0020	----	----	----	<0.0020
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3130	29.9	30.7	28.6	28.8
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		2.98	----	----	----	<0.200
chloride	16887-00-6	E235.Cl	0.50	mg/L		31400	----	----	----	3.35
fluoride	16984-48-8	E235.F	0.020	mg/L		<8.00 DLDS	----	----	----	0.613
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<8.00 DLDS	----	----	----	<0.020
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<4.00 DLDS	----	----	----	<0.010
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<8.94	----	----	----	<0.0500
Ion Balance										
anion sum	----	EC101	0.10	meq/L		952	----	----	----	3.08
cation sum	----	EC101	0.10	meq/L		950	----	----	----	2.85
ion balance (cation-anion difference)	----	EC101	0.010	%		0.105	----	----	----	3.88
ion balance (cations/anions ratio)	----	EC101	0.010	%		99.8	----	----	----	92.5
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.147	----	----	----	0.0306
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		<0.0100 DLDS	----	----	----	0.00593
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		<0.0100 DLDS	----	----	----	0.00196
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.179	----	----	----	0.0208
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.00200 DLDS	----	----	----	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.00500 DLDS	----	----	----	<0.000050

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W20	09-FZONE-NPAG_W17	09-FZONE-NPAG_W18	09-FZONE-NPAG_W19	09-FZONE-NPAG_W20
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-031	SK2101741-032	SK2101741-033	SK2101741-034	SK2101741-035
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		1.08	----	----	----	0.070
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		0.00341	----	----	----	<0.0000050
calcium, dissolved	7440-70-2	E421	0.050	mg/L		1720	----	----	----	16.9
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.00780	----	----	----	<0.000010
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.0500 DLDS	----	----	----	<0.00050
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.0258	----	----	----	<0.00010
copper, dissolved	7440-50-8	E421	0.00020	mg/L		<0.0200 DLDS	----	----	----	0.00207
iron, dissolved	7439-89-6	E421	0.030	mg/L		<3.00 DLDS	----	----	----	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.00500 DLDS	----	----	----	<0.000050
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.308	----	----	----	0.0052
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		1980	----	----	----	7.99
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		<0.500 DLDS	----	----	----	0.0113
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.0199	----	----	----	0.00416
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.182	----	----	----	0.00101
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<5.00 DLDS	----	----	----	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		520	----	----	----	6.68
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.231	----	----	----	0.00116
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		<0.00500 DLDS	----	----	----	0.000333
silicon, dissolved	7440-21-3	E421	0.050	mg/L		<5.00 DLDS	----	----	----	3.29
silver, dissolved	7440-22-4	E421	0.000010	mg/L		0.00178	----	----	----	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		15800	----	----	----	26.8
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		39.9	----	----	----	0.0464
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		1180	----	----	----	9.20
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.0200 DLDS	----	----	----	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		<0.00100 DLDS	----	----	----	<0.000010
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.0100 DLDS	----	----	----	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		<0.0100 DLDS	----	----	----	0.0223
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.0300 DLDS	----	----	----	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		<0.0100 DLDS	----	----	----	0.00019
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.0292	----	----	----	0.00226
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		<0.0500 DLDS	----	----	----	0.00069

Analytical Results

Sub-Matrix: **Leachate**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W20	09-FZONE-NPAG_W17	09-FZONE-NPAG_W18	09-FZONE-NPAG_W19	09-FZONE-NPAG_W20
					Client sampling date / time	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45	13-May-2021 11:45
						SK2101741-031	SK2101741-032	SK2101741-033	SK2101741-034	SK2101741-035
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.122	----	----	----	0.0024
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.0300 DLDS	----	----	----	<0.00030
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2101741**	Page	: 1 of 26
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 03-Jun-2021 16:51
PO	: ----	Issue Date	: 28-Jun-2021 15:53
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 35		
No. of samples analysed	: 35		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
01_TSF_W24	E298	13-May-2021	26-Jun-2021	----	45 days	× EHT	26-Jun-2021	28 days	1 days	× EHT
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
02-IF-PAG_W20	E298	13-May-2021	26-Jun-2021	----	45 days	× EHT	26-Jun-2021	28 days	1 days	× EHT
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
03-SED-PAG_W20	E298	13-May-2021	26-Jun-2021	----	45 days	× EHT	26-Jun-2021	28 days	1 days	× EHT
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W20	E298	13-May-2021	26-Jun-2021	----	45 days	× EHT	26-Jun-2021	28 days	1 days	× EHT
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W20	E298	13-May-2021	26-Jun-2021	----	45 days	× EHT	26-Jun-2021	28 days	1 days	× EHT
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W20	E298	13-May-2021	26-Jun-2021	----	45 days	× EHT	26-Jun-2021	28 days	1 days	× EHT
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W20	E298	13-May-2021	26-Jun-2021	----	45 days	× EHT	26-Jun-2021	28 days	1 days	× EHT

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 08-SED-PAG-CW_W20	E298	13-May-2021	26-Jun-2021	----	45 days	× EHT	26-Jun-2021	28 days	1 days	× EHT
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 09-FZONE-NPAG_W20	E298	13-May-2021	26-Jun-2021	----	45 days	× EHT	26-Jun-2021	28 days	1 days	× EHT
Anions and Nutrients : Bromide in Water by IC										
HDPE 01_TSF_W22	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 01_TSF_W23	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 01_TSF_W24	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 01_TSF_W25	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 02-IF-PAG_W17	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 02-IF-PAG_W18	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 02-IF-PAG_W19	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE 02-IF-PAG_W20	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 03-SED-PAG_W17	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 03-SED-PAG_W18	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 03-SED-PAG_W19	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 03-SED-PAG_W20	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 04-GAB-NPAG_W17	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 04-GAB-NPAG_W18	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 04-GAB-NPAG_W19	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 04-GAB-NPAG_W20	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W17	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W18	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W19	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W20	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W17	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W18	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W19	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W20	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
07-IF-PAG-CW_W18	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE 07-IF-PAG-CW_W19	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 07-IF-PAG-CW_W20	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 08-SED-PAG-CW_W20	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 09-FZONE-NPAG_W20	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 08-SED-PAG-CW_W17	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 08-SED-PAG-CW_W18	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 08-SED-PAG-CW_W19	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 09-FZONE-NPAG_W17	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 09-FZONE-NPAG_W18	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
09-FZONE-NPAG_W19	E235.Br	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
01_TSF_W24	E235.Cl	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
02-IF-PAG_W20	E235.Cl	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
03-SED-PAG_W20	E235.Cl	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
04-GAB-NPAG_W20	E235.Cl	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
05-SED-NPAG_W20	E235.Cl	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
06-IF-NPAG_W20	E235.Cl	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
07-IF-PAG-CW_W20	E235.Cl	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
08-SED-PAG-CW_W20	E235.Cl	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE										
09-FZONE-NPAG_W20	E235.Cl	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
01_TSF_W24	E235.F	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
02-IF-PAG_W20	E235.F	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
03-SED-PAG_W20	E235.F	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
04-GAB-NPAG_W20	E235.F	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
05-SED-NPAG_W20	E235.F	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
06-IF-NPAG_W20	E235.F	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
07-IF-PAG-CW_W20	E235.F	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
08-SED-PAG-CW_W20	E235.F	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
09-FZONE-NPAG_W20	E235.F	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
01_TSF_W24	E235.NO3	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
02-IF-PAG_W20	E235.NO3	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
03-SED-PAG_W20	E235.NO3	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
04-GAB-NPAG_W20	E235.NO3	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
05-SED-NPAG_W20	E235.NO3	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
06-IF-NPAG_W20	E235.NO3	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
07-IF-PAG-CW_W20	E235.NO3	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
08-SED-PAG-CW_W20	E235.NO3	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
09-FZONE-NPAG_W20	E235.NO3	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
01_TSF_W24	E235.NO2	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
02-IF-PAG_W20	E235.NO2	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
03-SED-PAG_W20	E235.NO2	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
04-GAB-NPAG_W20	E235.NO2	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
05-SED-NPAG_W20	E235.NO2	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
06-IF-NPAG_W20	E235.NO2	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
07-IF-PAG-CW_W20	E235.NO2	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
08-SED-PAG-CW_W20	E235.NO2	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
09-FZONE-NPAG_W20	E235.NO2	13-May-2021	----	----	----		05-Jun-2021	3 days	23 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W22	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W23	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W24	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W25	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W17	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W18	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W19	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W20	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓

Matrix: **Water**

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Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE 03-SED-PAG_W17	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 03-SED-PAG_W18	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 03-SED-PAG_W19	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 03-SED-PAG_W20	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 04-GAB-NPAG_W17	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 04-GAB-NPAG_W18	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 04-GAB-NPAG_W19	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 04-GAB-NPAG_W20	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 05-SED-NPAG_W17	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓

Matrix: **Water**

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Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W18	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W19	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W20	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W17	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W18	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W19	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W20	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W18	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W19	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W20	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W20	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W20	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W17	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W18	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W19	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W17	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W18	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W19	E235.SO4	13-May-2021	----	----	----		05-Jun-2021	28 days	24 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 01_TSF_W24	E318	13-May-2021	08-Jun-2021	----	27 days	✓	08-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 02-IF-PAG_W20	E318	13-May-2021	08-Jun-2021	----	27 days	✓	08-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 03-SED-PAG_W20	E318	13-May-2021	08-Jun-2021	----	27 days	✓	08-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 04-GAB-NPAG_W20	E318	13-May-2021	08-Jun-2021	----	27 days	✓	08-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 05-SED-NPAG_W20	E318	13-May-2021	08-Jun-2021	----	27 days	✓	08-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 06-IF-NPAG_W20	E318	13-May-2021	08-Jun-2021	----	27 days	✓	08-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 07-IF-PAG-CW_W20	E318	13-May-2021	08-Jun-2021	----	27 days	✓	08-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 08-SED-PAG-CW_W20	E318	13-May-2021	08-Jun-2021	----	27 days	✓	08-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid) 09-FZONE-NPAG_W20	E318	13-May-2021	08-Jun-2021	----	27 days	✓	08-Jun-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
01_TSF_W24	E372-U	13-May-2021	09-Jun-2021	----	27 days	✓	09-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
02-IF-PAG_W20	E372-U	13-May-2021	09-Jun-2021	----	27 days	✓	09-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
03-SED-PAG_W20	E372-U	13-May-2021	09-Jun-2021	----	27 days	✓	09-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W20	E372-U	13-May-2021	09-Jun-2021	----	27 days	✓	09-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W20	E372-U	13-May-2021	09-Jun-2021	----	27 days	✓	09-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W20	E372-U	13-May-2021	09-Jun-2021	----	27 days	✓	09-Jun-2021	28 days	1 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W20	E372-U	13-May-2021	11-Jun-2021	----	29 days	× EHT	11-Jun-2021	28 days	1 days	× EHT
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W20	E372-U	13-May-2021	11-Jun-2021	----	29 days	× EHT	11-Jun-2021	28 days	1 days	× EHT
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W20	E372-U	13-May-2021	11-Jun-2021	----	29 days	× EHT	11-Jun-2021	28 days	1 days	× EHT

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Cyanides : Total Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide) 01_TSF_W24	E333	13-May-2021	----	----	----		07-Jun-2021	14 days	25 days	× EHTR
Cyanides : WAD Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide) 01_TSF_W24	E336	13-May-2021	----	----	----		07-Jun-2021	14 days	25 days	× EHTR
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 01_TSF_W24	E421	13-May-2021	07-Jun-2021	----	26 days	✓	08-Jun-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 02-IF-PAG_W20	E421	13-May-2021	07-Jun-2021	----	26 days	✓	08-Jun-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 03-SED-PAG_W20	E421	13-May-2021	07-Jun-2021	----	26 days	✓	08-Jun-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 04-GAB-NPAG_W20	E421	13-May-2021	07-Jun-2021	----	26 days	✓	08-Jun-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 05-SED-NPAG_W20	E421	13-May-2021	07-Jun-2021	----	26 days	✓	08-Jun-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 06-IF-NPAG_W20	E421	13-May-2021	07-Jun-2021	----	26 days	✓	08-Jun-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 07-IF-PAG-CW_W20	E421	13-May-2021	07-Jun-2021	----	26 days	✓	08-Jun-2021	180 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 08-SED-PAG-CW_W20	E421	13-May-2021	07-Jun-2021	----	26 days	✓	08-Jun-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 09-FZONE-NPAG_W20	E421	13-May-2021	07-Jun-2021	----	26 days	✓	08-Jun-2021	180 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 01_TSF_W24	E290	13-May-2021	----	----	----		04-Jun-2021	14 days	23 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 02-IF-PAG_W20	E290	13-May-2021	----	----	----		04-Jun-2021	14 days	23 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 03-SED-PAG_W20	E290	13-May-2021	----	----	----		04-Jun-2021	14 days	23 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 04-GAB-NPAG_W20	E290	13-May-2021	----	----	----		04-Jun-2021	14 days	23 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 05-SED-NPAG_W20	E290	13-May-2021	----	----	----		04-Jun-2021	14 days	23 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 06-IF-NPAG_W20	E290	13-May-2021	----	----	----		04-Jun-2021	14 days	23 days	× EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE 07-IF-PAG-CW_W20	E290	13-May-2021	----	----	----		04-Jun-2021	14 days	23 days	× EHTR

Matrix: **Water**

Evaluation: ✖ = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Alkalinity Species by Titration										
HDPE										
08-SED-PAG-CW_W20	E290	13-May-2021	----	----	----		04-Jun-2021	14 days	23 days	✖ EHTR
Physical Tests : Alkalinity Species by Titration										
HDPE										
09-FZONE-NPAG_W20	E290	13-May-2021	----	----	----		04-Jun-2021	14 days	23 days	✖ EHTR
Physical Tests : Conductivity in Water										
HDPE										
01_TSF_W24	E100	13-May-2021	----	----	----		04-Jun-2021	28 days	23 days	✓
Physical Tests : Conductivity in Water										
HDPE										
02-IF-PAG_W20	E100	13-May-2021	----	----	----		04-Jun-2021	28 days	23 days	✓
Physical Tests : Conductivity in Water										
HDPE										
03-SED-PAG_W20	E100	13-May-2021	----	----	----		04-Jun-2021	28 days	23 days	✓
Physical Tests : Conductivity in Water										
HDPE										
04-GAB-NPAG_W20	E100	13-May-2021	----	----	----		04-Jun-2021	28 days	23 days	✓
Physical Tests : Conductivity in Water										
HDPE										
05-SED-NPAG_W20	E100	13-May-2021	----	----	----		04-Jun-2021	28 days	23 days	✓
Physical Tests : Conductivity in Water										
HDPE										
06-IF-NPAG_W20	E100	13-May-2021	----	----	----		04-Jun-2021	28 days	23 days	✓
Physical Tests : Conductivity in Water										
HDPE										
07-IF-PAG-CW_W20	E100	13-May-2021	----	----	----		04-Jun-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE										
08-SED-PAG-CW_W20	E100	13-May-2021	----	----	----		04-Jun-2021	28 days	23 days	✓
Physical Tests : Conductivity in Water										
HDPE										
09-FZONE-NPAG_W20	E100	13-May-2021	----	----	----		04-Jun-2021	28 days	23 days	✓
Physical Tests : pH by Meter										
HDPE										
01_TSF_W24	E108	13-May-2021	----	----	----		04-Jun-2021	0.25 hrs	532 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE										
02-IF-PAG_W20	E108	13-May-2021	----	----	----		04-Jun-2021	0.25 hrs	532 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE										
03-SED-PAG_W20	E108	13-May-2021	----	----	----		04-Jun-2021	0.25 hrs	532 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE										
04-GAB-NPAG_W20	E108	13-May-2021	----	----	----		04-Jun-2021	0.25 hrs	532 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE										
05-SED-NPAG_W20	E108	13-May-2021	----	----	----		04-Jun-2021	0.25 hrs	532 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE										
06-IF-NPAG_W20	E108	13-May-2021	----	----	----		04-Jun-2021	0.25 hrs	532 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE										
07-IF-PAG-CW_W20	E108	13-May-2021	----	----	----		04-Jun-2021	0.25 hrs	532 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE										
08-SED-PAG-CW_W20	E108	13-May-2021	----	----	----		04-Jun-2021	0.25 hrs	532 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE										
09-FZONE-NPAG_W20	E108	13-May-2021	----	----	----		04-Jun-2021	0.25 hrs	532 hrs	× EHTR-FM

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

EHT: Exceeded ALS recommended hold time prior to analysis.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	213503	1	16	6.2	5.0	✓
Ammonia by Fluorescence	E298	230971	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	213570	3	38	7.8	5.0	✓
Chloride in Water by IC	E235.Cl	213581	1	17	5.8	5.0	✓
Conductivity in Water	E100	213502	1	18	5.5	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	214782	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	213580	1	17	5.8	5.0	✓
Nitrate in Water by IC	E235.NO3	213577	1	17	5.8	5.0	✓
Nitrite in Water by IC	E235.NO2	213578	1	17	5.8	5.0	✓
pH by Meter	E108	213504	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	213571	3	57	5.2	5.0	✓
Total Cyanide by CFA	E333	214783	1	16	6.2	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	215206	1	19	5.2	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	216068	2	33	6.0	5.0	✓
WAD Cyanide by CFA	E336	214784	1	7	14.2	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	213503	1	16	6.2	5.0	✓
Ammonia by Fluorescence	E298	230971	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	213570	3	38	7.8	5.0	✓
Chloride in Water by IC	E235.Cl	213581	1	17	5.8	5.0	✓
Conductivity in Water	E100	213502	1	18	5.5	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	214782	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	213580	1	17	5.8	5.0	✓
Nitrate in Water by IC	E235.NO3	213577	1	17	5.8	5.0	✓
Nitrite in Water by IC	E235.NO2	213578	1	17	5.8	5.0	✓
pH by Meter	E108	213504	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	213571	3	57	5.2	5.0	✓
Total Cyanide by CFA	E333	214783	1	16	6.2	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	215206	1	19	5.2	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	216068	2	33	6.0	5.0	✓
WAD Cyanide by CFA	E336	214784	1	7	14.2	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	213503	1	16	6.2	5.0	✓
Ammonia by Fluorescence	E298	230971	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	213570	3	38	7.8	5.0	✓
Chloride in Water by IC	E235.Cl	213581	1	17	5.8	5.0	✓
Conductivity in Water	E100	213502	1	18	5.5	5.0	✓

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Dissolved Metals in Water by CRC ICPMS	E421	214782	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	213580	1	17	5.8	5.0	✓
Nitrate in Water by IC	E235.NO3	213577	1	17	5.8	5.0	✓
Nitrite in Water by IC	E235.NO2	213578	1	17	5.8	5.0	✓
Sulfate in Water by IC	E235.SO4	213571	3	57	5.2	5.0	✓
Total Cyanide by CFA	E333	214783	1	16	6.2	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	215206	1	19	5.2	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	216068	2	33	6.0	5.0	✓
WAD Cyanide by CFA	E336	214784	1	7	14.2	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	230971	1	20	5.0	5.0	✓
Bromide in Water by IC	E235.Br	213570	3	38	7.8	5.0	✓
Chloride in Water by IC	E235.Cl	213581	1	17	5.8	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	214782	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	213580	1	17	5.8	5.0	✓
Nitrate in Water by IC	E235.NO3	213577	1	17	5.8	5.0	✓
Nitrite in Water by IC	E235.NO2	213578	1	17	5.8	5.0	✓
Sulfate in Water by IC	E235.SO4	213571	3	57	5.2	5.0	✓
Total Cyanide by CFA	E333	214783	1	16	6.2	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	215206	1	19	5.2	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	216068	2	33	6.0	5.0	✓
WAD Cyanide by CFA	E336	214784	1	7	14.2	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Bromide in Water by IC	E235.Br Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Calgary - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.
Total Cyanide by CFA	E333 Vancouver - Environmental	Water	ISO 14403 (mod)	Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.
WAD Cyanide by CFA	E336 Vancouver - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U Calgary - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	“Hardness (as CaCO3), dissolved” is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. “Total Hardness” refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Calgary - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Digestion for Total Phosphorus in water	EP372 Calgary - Environmental	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.

QUALITY CONTROL REPORT

Work Order	: **SK2101741**	Page	: 1 of 14
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Project	: 948-021	Date Samples Received	: 03-Jun-2021 16:51
PO	: ----	Date Analysis Commenced	: 04-Jun-2021
C-O-C number	: ----	Issue Date	: 28-Jun-2021 15:53
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 35		
No. of samples analysed	: 35		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
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General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 213502)											
SK2101708-001	Anonymous	conductivity	----	E100	2.0	µS/cm	3940	3930	0.254%	10%	----
Physical Tests (QC Lot: 213503)											
SK2101708-001	Anonymous	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	70.1	69.2	1.22%	20%	----
Physical Tests (QC Lot: 213504)											
SK2101708-001	Anonymous	pH	----	E108	0.10	pH units	8.18	8.16	0.170%	3%	----
Anions and Nutrients (QC Lot: 213570)											
SK2101754-002	Anonymous	bromide	24959-67-9	E235.Br	0.10	mg/L	<0.10	<0.10	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 213571)											
SK2101754-002	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	2.36	2.47	0.10	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 213576)											
SK2101741-003	01_TSF_W24	bromide	24959-67-9	E235.Br	10.0	mg/L	<10.0	<10.0	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 213577)											
SK2101741-003	01_TSF_W24	nitrate (as N)	14797-55-8	E235.NO3	2.00	mg/L	178	182	1.82%	20%	----
Anions and Nutrients (QC Lot: 213578)											
SK2101741-003	01_TSF_W24	nitrite (as N)	14797-65-0	E235.NO2	1.00	mg/L	5.16	6.09	0.933	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 213579)											
SK2101741-003	01_TSF_W24	sulfate (as SO4)	14808-79-8	E235.SO4	30.0	mg/L	5230	5350	2.22%	20%	----
Anions and Nutrients (QC Lot: 213580)											
SK2101741-003	01_TSF_W24	fluoride	16984-48-8	E235.F	2.00	mg/L	<2.00	<2.00	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 213581)											
SK2101741-003	01_TSF_W24	chloride	16887-00-6	E235.Cl	50.0	mg/L	2380	2450	2.71%	20%	----
Anions and Nutrients (QC Lot: 215008)											
SK2101761-001	Anonymous	bromide	24959-67-9	E235.Br	0.50	mg/L	<0.50	<0.50	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 215009)											
SK2101761-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	1.50	mg/L	375	376	0.266%	20%	----
Anions and Nutrients (QC Lot: 215206)											
SK2101736-001	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	0.050	mg/L	1.40	1.45	3.46%	20%	----
Anions and Nutrients (QC Lot: 216068)											
SK2101736-003	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	0.0168	0.0181	0.0013	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 216809)											
CG2101827-004	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	<0.0020	<0.0020	0	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Anions and Nutrients (QC Lot: 230971)											
SK2101740-001	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.0452	0.0486	0.0034	Diff <2x LOR	----
Cyanides (QC Lot: 214783)											
SK2101741-003	01_TSF_W24	cyanide, strong acid dissociable (total)	----	E333	0.100	mg/L	0.744	0.836	0.0917	Diff <2x LOR	----
Cyanides (QC Lot: 214784)											
SK2101741-003	01_TSF_W24	cyanide, weak acid dissociable	----	E336	0.100	mg/L	<0.100	<0.100	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 214782)											
SK2101741-003	01_TSF_W24	aluminum, dissolved	7429-90-5	E421	0.0200	mg/L	<0.0200	<0.0200	0	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.00200	mg/L	0.00785	0.00781	0.00003	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00200	mg/L	0.646	0.658	1.89%	20%	----
		barium, dissolved	7440-39-3	E421	0.00200	mg/L	0.0459	0.0466	1.52%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000400	mg/L	<0.000400	<0.000400	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.200	mg/L	1.55	1.61	0.062	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.000100	mg/L	0.000254	0.000220	0.0000336	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	1.00	mg/L	498	503	1.05%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000200	mg/L	<0.000200	<0.000200	0	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00200	mg/L	0.412	0.422	2.35%	20%	----
		copper, dissolved	7440-50-8	E421	0.00400	mg/L	0.00988	0.0104	0.00055	Diff <2x LOR	----
		iron, dissolved	7439-89-6	E421	0.600	mg/L	<0.600	<0.600	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0200	mg/L	<0.0200	<0.0200	0	Diff <2x LOR	----
		magnesium, dissolved	7439-95-4	E421	0.100	mg/L	70.5	71.2	0.985%	20%	----
		manganese, dissolved	7439-96-5	E421	0.100	mg/L	2.41	2.43	1.10%	20%	----
		molybdenum, dissolved	7439-98-7	E421	0.00100	mg/L	0.496	0.498	0.430%	20%	----
		nickel, dissolved	7440-02-0	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	1.00	mg/L	<1.00	<1.00	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	1.00	mg/L	339	336	1.04%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00400	mg/L	0.0456	0.0447	1.98%	20%	----
		selenium, dissolved	7782-49-2	E421	0.00100	mg/L	0.0212	0.0221	4.38%	20%	----
		silicon, dissolved	7440-21-3	E421	1.00	mg/L	5.63	5.63	0.005	Diff <2x LOR	----
		silver, dissolved	7440-22-4	E421	0.000200	mg/L	0.000804	0.000819	0.000015	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	1.00	mg/L	3600	3550	1.42%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00400	mg/L	2.03	2.05	1.08%	20%	----
		sulfur, dissolved	7704-34-9	E421	10.0	mg/L	2240	2300	2.27%	20%	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 214782) - continued											
SK2101741-003	01_TSF_W24	tellurium, dissolved	13494-80-9	E421	0.00400	mg/L	<0.00400	<0.00400	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000200	mg/L	0.000323	0.000292	0.000031	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00200	mg/L	0.00287	0.00284	0.00002	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.00600	mg/L	<0.00600	<0.00600	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000200	mg/L	0.00752	0.00769	2.33%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0200	mg/L	0.0247	0.0285	0.0038	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.00600	mg/L	<0.00600	<0.00600	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 213502)						
conductivity	----	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 213503)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 213570)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 213571)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 213576)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 213577)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 213578)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 213579)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 213580)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 213581)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 215008)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 215009)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 215206)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 216068)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Anions and Nutrients (QCLot: 216809)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Anions and Nutrients (QCLot: 230971)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Cyanides (QCLot: 214783)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Cyanides (QCLot: 214784)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 214782)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 214782) - continued						
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 213502)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	102	90.0	110	----
Physical Tests (QCLot: 213503)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	96.7	85.0	115	----
Physical Tests (QCLot: 213504)									
pH	----	E108	----	pH units	6.86 pH units	99.9	98.0	102	----
Anions and Nutrients (QCLot: 213570)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	99.3	85.0	115	----
Anions and Nutrients (QCLot: 213571)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 213576)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	95.4	85.0	115	----
Anions and Nutrients (QCLot: 213577)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 213578)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 213579)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	107	90.0	110	----
Anions and Nutrients (QCLot: 213580)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	95.2	90.0	110	----
Anions and Nutrients (QCLot: 213581)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 215008)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	97.5	85.0	115	----
Anions and Nutrients (QCLot: 215009)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	110	90.0	110	----
Anions and Nutrients (QCLot: 215206)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	91.7	75.0	125	----
Anions and Nutrients (QCLot: 216068)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.32 mg/L	94.0	80.0	120	----
Anions and Nutrients (QCLot: 216809)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.32 mg/L	105	80.0	120	----
Anions and Nutrients (QCLot: 230971)									

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Anions and Nutrients (QCLot: 230971) - continued									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	102	85.0	115	----
Cyanides (QCLot: 214783)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	90.5	80.0	120	----
Cyanides (QCLot: 214784)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	99.4	80.0	120	----
Dissolved Metals (QCLot: 214782)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	103	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	102	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	104	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	105	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	102	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	100	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	99.0	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	98.4	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	103	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	99.2	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	98.3	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	97.9	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	94.0	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	113	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	102	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	102	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	103	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	100	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	104	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	97.3	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	104	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	99.2	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	101	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	100	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	105	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	102	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	100	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	104	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	102	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	101	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 214782) - continued									
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	101	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	107	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	96.6	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	99.0	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	108	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	101	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	98.2	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	96.0	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	101	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 213570)										
SK2101754-001	Anonymous	bromide	24959-67-9	E235.Br	0.45 mg/L	0.5 mg/L	90.5	75.0	125	----
Anions and Nutrients (QCLot: 213571)										
SK2101754-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	107 mg/L	100 mg/L	107	90.0	110	----
Anions and Nutrients (QCLot: 213576)										
SK2101741-008	02-IF-PAG_W20	bromide	24959-67-9	E235.Br	0.44 mg/L	0.5 mg/L	88.9	75.0	125	----
Anions and Nutrients (QCLot: 213577)										
SK2101741-008	02-IF-PAG_W20	nitrate (as N)	14797-55-8	E235.NO3	2.44 mg/L	2.5 mg/L	97.6	75.0	125	----
Anions and Nutrients (QCLot: 213578)										
SK2101741-008	02-IF-PAG_W20	nitrite (as N)	14797-65-0	E235.NO2	0.479 mg/L	0.5 mg/L	95.8	75.0	125	----
Anions and Nutrients (QCLot: 213579)										
SK2101741-008	02-IF-PAG_W20	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 213580)										
SK2101741-008	02-IF-PAG_W20	fluoride	16984-48-8	E235.F	0.948 mg/L	1 mg/L	94.8	75.0	125	----
Anions and Nutrients (QCLot: 213581)										
SK2101741-008	02-IF-PAG_W20	chloride	16887-00-6	E235.Cl	94.9 mg/L	100 mg/L	94.9	75.0	125	----
Anions and Nutrients (QCLot: 215008)										
SK2101741-029	08-SED-PAG-CW_W18	bromide	24959-67-9	E235.Br	ND mg/L	0.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 215009)										
SK2101741-029	08-SED-PAG-CW_W18	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 215206)										
SK2101736-002	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	2.70 mg/L	2.5 mg/L	108	70.0	130	----
Anions and Nutrients (QCLot: 216068)										
SK2101736-004	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0656 mg/L	0.0676 mg/L	97.0	70.0	130	----
Anions and Nutrients (QCLot: 216809)										
CG2101827-005	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0582 mg/L	0.0676 mg/L	86.1	70.0	130	----
Anions and Nutrients (QCLot: 230971)										
SK2101740-002	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.112 mg/L	0.1 mg/L	112	75.0	125	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Cyanides (QCLot: 214783)										
WR2100556-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	1.28 mg/L	1.25 mg/L	103	75.0	125	----
Cyanides (QCLot: 214784)										
WR2100556-001	Anonymous	cyanide, weak acid dissociable	----	E336	0.706 mg/L	0.625 mg/L	113	75.0	125	----
Dissolved Metals (QCLot: 214782)										
SK2101741-008	02-IF-PAG_W20	aluminum, dissolved	7429-90-5	E421	0.207 mg/L	0.2 mg/L	103	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0203 mg/L	0.02 mg/L	101	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0199 mg/L	0.02 mg/L	99.5	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0375 mg/L	0.04 mg/L	93.8	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00998 mg/L	0.01 mg/L	99.8	70.0	130	----
		boron, dissolved	7440-42-8	E421	0.089 mg/L	0.1 mg/L	89.3	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00371 mg/L	0.004 mg/L	92.8	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.00928 mg/L	0.01 mg/L	92.8	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0393 mg/L	0.04 mg/L	98.3	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0191 mg/L	0.02 mg/L	95.3	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0183 mg/L	0.02 mg/L	91.7	70.0	130	----
		iron, dissolved	7439-89-6	E421	1.94 mg/L	2 mg/L	97.0	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0201 mg/L	0.02 mg/L	101	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.102 mg/L	0.1 mg/L	102	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	0.0199 mg/L	0.02 mg/L	99.3	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0206 mg/L	0.02 mg/L	103	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0379 mg/L	0.04 mg/L	94.8	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	10.2 mg/L	10 mg/L	102	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0200 mg/L	0.02 mg/L	99.8	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0378 mg/L	0.04 mg/L	94.4	70.0	130	----
		silicon, dissolved	7440-21-3	E421	9.19 mg/L	10 mg/L	91.9	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00388 mg/L	0.004 mg/L	97.0	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0376 mg/L	0.04 mg/L	94.0	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00404 mg/L	0.004 mg/L	101	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0217 mg/L	0.02 mg/L	108	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 214782) - continued										
SK2101741-008	02-IF-PAG_W20	tin, dissolved	7440-31-5	E421	0.0186 mg/L	0.02 mg/L	93.1	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0398 mg/L	0.04 mg/L	99.5	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0214 mg/L	0.02 mg/L	107	70.0	130	----
		uranium, dissolved	7440-61-1	E421	ND mg/L	0.004 mg/L	ND	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.0986 mg/L	0.1 mg/L	98.6	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.368 mg/L	0.4 mg/L	91.9	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0390 mg/L	0.04 mg/L	97.4	70.0	130	----

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 1

Page

Environmental Division Saskatoon

Work Order Reference SK2101741

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact your AM to c

Regular [R] ☑ Standard TAT if received by 3 pm -

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business c | Same Day, W | (Laboratory o

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selecte

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only):

ALS Contact: | Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P										
	01_TSF_W22	13-May-21	11:45	Leachate	1	R			R							Y
	01_TSF_W23	20-May-21	9:55	Leachate	1	R			R							Y
	01_TSF_W24	27-May-21	10:33	Leachate	4	R	R	R		R	R	R	R	R		Y
	01_TSF_W25	3-Jun-21	13:40	Leachate	1	R			R							Y
	02-IF-PAG_W17	13-May-21	11:45	Leachate	1	R			R							Y
	02-IF-PAG_W18	20-May-21	9:55	Leachate	1	R			R							Y
	02-IF-PAG_W19	27-May-21	10:33	Leachate	1	R			R							Y
	02-IF-PAG_W20	3-Jun-21	13:40	Leachate	3	R	R	R				R	R	R		Y
	03-SED-PAG_W17	13-May-21	11:45	Leachate	1	R			R							Y
	03-SED-PAG_W18	20-May-21	9:55	Leachate	1	R			R							Y
	03-SED-PAG_W19	27-May-21	10:33	Leachate	1	R			R							Y
	03-SED-PAG_W20	3-Jun-21	13:40	Leachate	3	R	R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
12.8							

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: June 3, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by: ME3	Date: 3/6/21	Time: 4:51

FINAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2018 FRONT

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Page 1 of

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2
Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Project Information

ALS Account # / Quote #: Q83455
Job #: 948-021
PO / AFE:
LSD:

Oil and Gas Required Fields (client use)

AFE/Cost Center: | PO#
Major/Minor Code: | Routing Code:
Requisitioner:
Location:

ALS Lab Work Order # (lab use only):

ALS Contact: | **Sampler:**

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	F/P	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	04-GAB-NPAG_W17	13-May-21	11:45	Leachate	1	R			R								Y
	04-GAB-NPAG_W18	20-May-21	9:55	Leachate	1	R			R								Y
	04-GAB-NPAG_W19	27-May-21	10:33	Leachate	1	R			R								Y
	04-GAB-NPAG_W20	3-Jun-21	13:40	Leachate	3	R	R	R				R	R	R			Y
	05-SED-NPAG_W17	13-May-21	11:45	Leachate	1	R			R								Y
	05-SED-NPAG_W18	20-May-21	9:55	Leachate	1	R			R								Y
	05-SED-NPAG_W19	27-May-21	10:33	Leachate	1	R			R								Y
	05-SED-NPAG_W20	3-Jun-21	13:40	Leachate	3	R	R	R				R	R	R			Y
	06-IF-NPAG_W17	13-May-21	11:45	Leachate	1	R			R								Y
	06-IF-NPAG_W18	20-May-21	9:55	Leachate	1	R			R								Y
	06-IF-NPAG_W19	27-May-21	10:33	Leachate	1	R			R								Y
	06-IF-NPAG_W20	3-Jun-21	13:40	Leachate	3	R	R	R				R	R	R			Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO

Are samples for human consumption/ use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐
Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
12.8							

SHIPMENT RELEASE (client use)

Released by: Jared Robertson | Date: June 3, 2021 | Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by: MEG | Date: 3/6/21 | Time: 9:51

FINAL SHIPMENT RECEPTION (lab use only)

Received by: | Date: | Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

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Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Page 1 of

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax: jrobertson@okc-sk.com
Email 2:
Email 3:

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax: jrobertson@okc-sk.com
Email 2:

Project Information

ALS Account # / Quote #: Q83455
Job #: 948-021
PO / AFE:
LSD:

Oil and Gas Required Fields (client use)

AFE/Cost Center: | PO#
Major/Minor Code: | Routing Code:
Requisitioner:
Location:

ALS Lab Work Order # (lab use only):

ALS Contact: | Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P										
	07-IF-PAG-CW_W18	20-May-21	9:55	Leachate	1	R			R							Y
	07-IF-PAG-CW_W19	27-May-21	10:33	Leachate	1	R			R							Y
	07-IF-PAG-CW_W20	3-Jun-21	13:40	Leachate	3	R	R	R				R	R	R		Y
	08-SED-PAG-CW_W17	13-May-21	11:45	Leachate	1	R			R							Y
	08-SED-PAG-CW_W18	20-May-21	9:55	Leachate	1	R			R							Y
	08-SED-PAG-CW_W19	27-May-21	10:33	Leachate	1	R			R							Y
	08-SED-PAG-CW_W20	3-Jun-21	13:40	Leachate	3	R	R	R				R	R	R		Y
	09-FZONE-NPAG_W17	13-May-21	11:45	Leachate	1	R			R							Y
	09-FZONE-NPAG_W18	20-May-21	9:55	Leachate	1	R			R							Y
	09-FZONE-NPAG_W19	27-May-21	10:33	Leachate	1	R			R							Y
	09-FZONE-NPAG_W20	3-Jun-21	13:40	Leachate	3	R	R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO

Are samples for human consumption/ use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐
Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
12.8							

SHIPMENT RELEASE (client use)

Released by: Jared Robertson | Date: June 3, 2021 | Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by: ME 3 | Date: 3/6/21 | Time: 4:51

FINAL SHIPMENT RECEPTION (lab use only)

Received by: ME 3 | Date: 3/6/21 | Time: 5:10

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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[1] If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2102164**	Page	: 1 of 26
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 30-Jun-2021 16:30
PO	: ----	Date Analysis Commenced	: 02-Jul-2021
C-O-C number	: ----	Issue Date	: 11-Jul-2021 18:51
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Dwayne Bennett	Technical Specialist	Inorganics, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jorden Fanson	Analyst	Inorganics, Calgary, Alberta
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Naeun Kim	Analyst	Inorganics, Calgary, Alberta
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*
IB:INT	*Ion Balance Reviewed: Imbalance is due to interference or non-measured component.*

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W26	01_TSF_W27	01_TSF_W28	01_TSF_W29	02-IF-PAG_W21
					Client sampling date / time	10-Jun-2021 15:15	17-Jun-2021 14:10	24-Jun-2021 13:15	30-Jun-2021 13:30	10-Jun-2021 15:25
						SK2102164-001	SK2102164-002	SK2102164-003	SK2102164-004	SK2102164-005
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	1410	----	----
conductivity	----	E100	2.0	µS/cm		----	----	9590	----	----
pH	----	E108	0.10	pH units		----	----	7.99	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	235	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	193	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	7430	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	34.0	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		5.35	4.38	<5.00 DLDS	2.68	<0.10
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	137	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	900	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<1.00 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	55.4	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	7.94	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		4440	4030	3820	3580	104
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	63.3	----	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		----	----	0.222	----	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		----	----	0.0103	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	113	----	----
cation sum	----	EC101	0.10	meq/L		----	----	102	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	5.12	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	90.3	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.0100 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00788	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W26	01_TSF_W27	01_TSF_W28	01_TSF_W29	02-IF-PAG_W21
					Client sampling date / time	10-Jun-2021 15:15	17-Jun-2021 14:10	24-Jun-2021 13:15	30-Jun-2021 13:30	10-Jun-2021 15:25
						SK2102164-001	SK2102164-002	SK2102164-003	SK2102164-004	SK2102164-005
						Result	Result	Result	Result	Result
Dissolved Metals										
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.570	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0382	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000200 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000500 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	1.44	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	<0.000250 DLM	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	473	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	<0.000100 DLDS	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.00500 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	0.160	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00271	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.300 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.000500 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	<0.0100 DLDS	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	56.1	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	1.36	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.342	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	<0.00500 DLDS	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.500 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	211	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.0373	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.0113	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	6.39	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.000261	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	1520	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	1.72	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	1470	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00200 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	0.000220	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00100 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00299	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W26	01_TSF_W27	01_TSF_W28	01_TSF_W29	02-IF-PAG_W21
					Client sampling date / time	10-Jun-2021 15:15	17-Jun-2021 14:10	24-Jun-2021 13:15	30-Jun-2021 13:30	10-Jun-2021 15:25
						SK2102164-001	SK2102164-002	SK2102164-003	SK2102164-004	SK2102164-005
						Result	Result	Result	Result	Result
Dissolved Metals										
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00300 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.00100 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00589	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00500 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	<0.0100 DLDS	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00300 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W22	02-IF-PAG_W23	02-IF-PAG_W24	03-SED-PAG_W21	03-SED-PAG_W22
					Client sampling date / time	07-Jun-2021 14:15	24-Jun-2021 15:25	30-Jun-2021 13:30	10-Jun-2021 15:45	17-Jun-2021 14:30
						SK2102164-006	SK2102164-007	SK2102164-008	SK2102164-009	SK2102164-010
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	85.4	----	----
conductivity	----	E100	2.0	µS/cm		----	----	457	----	----
pH	----	E108	0.10	pH units		----	----	8.22	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	106	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	86.8	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	286	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	<0.0050	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		<0.10	<0.10	<0.50 DLM	<0.10	<0.10
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	1.42	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	4.60	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	0.355	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<0.100 DLM	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<0.050 DLM	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		110	122	131	54.2	50.6
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<0.112	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	4.61	----	----
cation sum	----	EC101	0.10	meq/L		----	----	4.16	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	5.13	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	90.2	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	0.0314	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00881	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.00074	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0297	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000020	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000050	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W22	02-IF-PAG_W23	02-IF-PAG_W24	03-SED-PAG_W21	03-SED-PAG_W22
					Client sampling date / time	07-Jun-2021 14:15	24-Jun-2021 15:25	30-Jun-2021 13:30	10-Jun-2021 15:45	17-Jun-2021 14:30
						SK2102164-006	SK2102164-007	SK2102164-008	SK2102164-009	SK2102164-010
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.086	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.0000051	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	21.6	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.000052	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.00050	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.00010	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00129	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.030	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.000050	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.0090	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	7.65	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	<0.00500	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.00443	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	<0.00050	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.050	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	7.90	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.00644	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.000143	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	3.30	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	<0.000010	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	51.8	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	0.135	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	44.7	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00020	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.000010	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00010	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00666	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00030	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	0.00220	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00623	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00050	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W22	02-IF-PAG_W23	02-IF-PAG_W24	03-SED-PAG_W21	03-SED-PAG_W22
					Client sampling date / time	07-Jun-2021 14:15	24-Jun-2021 15:25	30-Jun-2021 13:30	10-Jun-2021 15:45	17-Jun-2021 14:30
						SK2102164-006	SK2102164-007	SK2102164-008	SK2102164-009	SK2102164-010
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.0082	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00030	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W23	03-SED-PAG_W24	04-GAB-NPAG_W21	04-GAB-NPAG_W22	04-GAB-NPAG_W23
					Client sampling date / time	24-Jun-2021 15:50	30-Jun-2021 13:35	10-Jun-2021 15:50	17-Jun-2021 14:35	24-Jun-2021 15:55
						SK2102164-011	SK2102164-012	SK2102164-013	SK2102164-014	SK2102164-015
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	82.9	----	----	----
conductivity	----	E100	2.0	µS/cm		----	323	----	----	----
pH	----	E108	0.10	pH units		----	8.26	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	118	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	97.2	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	193	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	<0.0050	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		<0.10	<0.10	0.18	0.15	0.13
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	<0.0020	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	<0.200	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	4.34	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	0.631	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<0.020	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<0.010	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		55.3	59.4	27.6	28.0	33.9
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<0.0500	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	3.33	----	----	----
cation sum	----	EC101	0.10	meq/L		----	2.97	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	5.71	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	89.2	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.0572	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	0.00248	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	0.00311	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.0179	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.000020	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.000050	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W23	03-SED-PAG_W24	04-GAB-NPAG_W21	04-GAB-NPAG_W22	04-GAB-NPAG_W23
					Client sampling date / time	24-Jun-2021 15:50	30-Jun-2021 13:35	10-Jun-2021 15:50	17-Jun-2021 14:35	24-Jun-2021 15:55
						SK2102164-011	SK2102164-012	SK2102164-013	SK2102164-014	SK2102164-015
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	0.064	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.0000088	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	19.1	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.000042	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.00050	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	<0.00010	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	0.00091	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<0.030	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.000050	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.0126	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	8.56	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.00500	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0188	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	<0.00050	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<0.050	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	9.95	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.00328	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	0.000674	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	3.28	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	<0.000010	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	24.2	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	0.0988	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	19.7	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.00020	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.000015	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.00010	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	0.00519	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.00030	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	0.00029	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.00446	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	0.00063	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W23	03-SED-PAG_W24	04-GAB-NPAG_W21	04-GAB-NPAG_W22	04-GAB-NPAG_W23
					Client sampling date / time	24-Jun-2021 15:50	30-Jun-2021 13:35	10-Jun-2021 15:50	17-Jun-2021 14:35	24-Jun-2021 15:55
						SK2102164-011	SK2102164-012	SK2102164-013	SK2102164-014	SK2102164-015
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.0037	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.00030	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W24	05-SED-NPAG_W21	05-SED-NPAG_W22	05-SED-NPAG_W23	05-SED-NPAG_W24
					Client sampling date / time	30-Jun-2021 14:05	10-Jun-2021 16:10	17-Jun-2021 14:55	24-Jun-2021 16:15	30-Jun-2021 14:30
						SK2102164-016	SK2102164-017	SK2102164-018	SK2102164-019	SK2102164-020
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		19.9	----	----	----	52.2
conductivity	----	E100	2.0	µS/cm		447	----	----	----	277
pH	----	E108	0.10	pH units		8.58	----	----	----	8.36
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		206	----	----	----	133
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		6.5	----	----	----	1.0
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	<1.0
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		179	----	----	----	111
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		261	----	----	----	165
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.0948	----	----	----	0.0340
bromide	24959-67-9	E235.Br	0.10	mg/L		0.12	0.12	<0.10	<0.10	<0.10
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		<0.0020	----	----	----	<0.0020
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		0.226	----	----	----	<0.200
chloride	16887-00-6	E235.Cl	0.50	mg/L		9.48	----	----	----	6.51
fluoride	16984-48-8	E235.F	0.020	mg/L		0.553	----	----	----	0.830
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020	----	----	----	<0.020
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010	----	----	----	<0.010
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		39.1	20.2	20.1	21.5	23.4
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	<0.0500
Ion Balance										
anion sum	----	EC101	0.10	meq/L		4.69	----	----	----	2.93
cation sum	----	EC101	0.10	meq/L		4.23	----	----	----	2.70
ion balance (cation-anion difference)	----	EC101	0.010	%		5.16	----	----	----	4.08
ion balance (cations/anions ratio)	----	EC101	0.010	%		90.2	----	----	----	92.2
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.104	----	----	----	0.0981
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00353	----	----	----	0.00227
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.0213	----	----	----	0.146
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.00912	----	----	----	0.0133
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W24	05-SED-NPAG_W21	05-SED-NPAG_W22	05-SED-NPAG_W23	05-SED-NPAG_W24
					Client sampling date / time	30-Jun-2021 14:05	10-Jun-2021 16:10	17-Jun-2021 14:55	24-Jun-2021 16:15	30-Jun-2021 14:30
						SK2102164-016	SK2102164-017	SK2102164-018	SK2102164-019	SK2102164-020
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.090	----	----	----	0.077
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	0.0000058
calcium, dissolved	7440-70-2	E421	0.050	mg/L		5.22	----	----	----	12.4
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000291	----	----	----	0.000063
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00050	----	----	----	<0.00050
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00012	----	----	----	0.00019
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00184	----	----	----	0.00119
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0088	----	----	----	0.0083
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		1.66	----	----	----	5.15
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		<0.00500	----	----	----	<0.00500
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00598	----	----	----	0.00910
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00054	----	----	----	0.00087
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		4.29	----	----	----	8.01
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00300	----	----	----	0.00288
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.00112	----	----	----	0.000437
silicon, dissolved	7440-21-3	E421	0.050	mg/L		3.06	----	----	----	3.15
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		85.1	----	----	----	33.1
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0149	----	----	----	0.0556
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		13.2	----	----	----	7.85
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000022	----	----	----	<0.000010
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.00592	----	----	----	0.00791
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00094	----	----	----	0.00047
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.0232	----	----	----	0.00697
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00761	----	----	----	0.00230

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W24	05-SED-NPAG_W21	05-SED-NPAG_W22	05-SED-NPAG_W23	05-SED-NPAG_W24
					Client sampling date / time	30-Jun-2021 14:05	10-Jun-2021 16:10	17-Jun-2021 14:55	24-Jun-2021 16:15	30-Jun-2021 14:30
						SK2102164-016	SK2102164-017	SK2102164-018	SK2102164-019	SK2102164-020
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0078	----	----	----	0.0418
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W21	06-IF-NPAG_W22	06-IF-NPAG_W23	06-IF-NPAG_W24	07-IF-PAG-CW_W21
					Client sampling date / time	10-Jun-2021 16:15	17-Jun-2021 15:00	24-Jun-2021 16:20	30-Jun-2021 14:45	10-Jun-2021 16:35
						SK2102164-021	SK2102164-022	SK2102164-023	SK2102164-024	SK2102164-025
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	----	57.6	----
conductivity	----	E100	2.0	µS/cm		----	----	----	304	----
pH	----	E108	0.10	pH units		----	----	----	8.33	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	----	137	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	----	113	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	----	186	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	0.0179	----
bromide	24959-67-9	E235.Br	0.10	mg/L		<0.10	<0.10	<0.10	<0.10	128
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	----	<0.0020	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	----	<0.200	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	----	4.49	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	----	0.485	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	----	<0.020	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	----	<0.010	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		31.9	33.9	35.8	39.3	3190
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	----	<0.0500	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	----	3.23	----
cation sum	----	EC101	0.10	meq/L		----	----	----	2.78	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	----	7.49 IB:INT	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	----	86.1 IB:INT	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0205	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.0203	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.00180	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0258	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000050	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W21	06-IF-NPAG_W22	06-IF-NPAG_W23	06-IF-NPAG_W24	07-IF-PAG-CW_W21
					Client sampling date / time	10-Jun-2021 16:15	17-Jun-2021 15:00	24-Jun-2021 16:20	30-Jun-2021 14:45	10-Jun-2021 16:35
						SK2102164-021	SK2102164-022	SK2102164-023	SK2102164-024	SK2102164-025
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.089	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	----	15.4	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	0.000032	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	<0.00010	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00108	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	----	<0.030	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0163	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	----	4.65	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	----	<0.00500	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.00605	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.050	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	----	17.0	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.0145	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.000201	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	3.41	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	----	27.5	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	0.189	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	13.1	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	0.000012	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00010	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00649	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	0.00113	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.00499	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00050	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W21	06-IF-NPAG_W22	06-IF-NPAG_W23	06-IF-NPAG_W24	07-IF-PAG-CW_W21
					Client sampling date / time	10-Jun-2021 16:15	17-Jun-2021 15:00	24-Jun-2021 16:20	30-Jun-2021 14:45	10-Jun-2021 16:35
						SK2102164-021	SK2102164-022	SK2102164-023	SK2102164-024	SK2102164-025
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0056	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00030	----
dissolved metals filtration location	----	EP421	-	-		----	----	----	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W22	07-IF-PAG-CW_W23	07-IF-PAG-CW_W24	08-SED-PAG-CW_W21	08-SED-PAG-CW_W22
					Client sampling date / time	17-Jun-2021 15:05	24-Jun-2021 16:25	30-Jun-2021 14:50	10-Jun-2021 16:40	17-Jun-2021 15:10
						SK2102164-026	SK2102164-027	SK2102164-028	SK2102164-029	SK2102164-030
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	13100	----	----
conductivity	----	E100	2.0	µS/cm		----	----	76900	----	----
pH	----	E108	0.10	pH units		----	----	7.59	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	59.6	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	48.9	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	55500	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	4.24	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		120	128	118	119	117
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	10.9	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	31600	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<4.00 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<4.00 DLDS	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<2.00 DLDS	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3190	3210	3330	3200	3100
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<4.47	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	962	----	----
cation sum	----	EC101	0.10	meq/L		----	----	976	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	0.722	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	101	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.0500 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.0119	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.175	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.00100 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W22	07-IF-PAG-CW_W23	07-IF-PAG-CW_W24	08-SED-PAG-CW_W21	08-SED-PAG-CW_W22
					Client sampling date / time	17-Jun-2021 15:05	24-Jun-2021 16:25	30-Jun-2021 14:50	10-Jun-2021 16:40	17-Jun-2021 15:10
						SK2102164-026	SK2102164-027	SK2102164-028	SK2102164-029	SK2102164-030
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	1.14	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.00158	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	1790	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.0201	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	<0.0100 DLDS	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<1.50 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.315	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	2090	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	0.448	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.00755	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.0707	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<2.50 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	546	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.485	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	<0.00250 DLDS	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	2.80	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.00151	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	16100	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	42.2	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	1250	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.0100 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	0.000502	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.00500 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.0102	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.0250 DLDS	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W22	07-IF-PAG-CW_W23	07-IF-PAG-CW_W24	08-SED-PAG-CW_W21	08-SED-PAG-CW_W22
					Client sampling date / time	17-Jun-2021 15:05	24-Jun-2021 16:25	30-Jun-2021 14:50	10-Jun-2021 16:40	17-Jun-2021 15:10
						SK2102164-026	SK2102164-027	SK2102164-028	SK2102164-029	SK2102164-030
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.177	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.0150 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W23	08-SED-PAG-CW_W24	09-FZONE-NPAG_W21	09-FZONE-NPAG_W22	09-FZONE-NPAG_W23
					Client sampling date / time	24-Jun-2021 16:25	30-Jun-2021 15:00	10-Jun-2021 17:15	17-Jun-2021 15:15	24-Jun-2021 16:45
						SK2102164-031	SK2102164-032	SK2102164-033	SK2102164-034	SK2102164-035
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	12800	----	----	----
conductivity	----	E100	2.0	µS/cm		----	76100	----	----	----
pH	----	E108	0.10	pH units		----	7.58	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	57.9	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	47.4	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	54500	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	4.64	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		116	111	<0.10	<0.10	<0.10
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	<0.0020	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	4.59	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	30800	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	<10.0 DLDS	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<10.0 DLDS	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<5.00 DLDS	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3200	3140	27.3	26.0	28.4
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<11.2	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	935	----	----	----
cation sum	----	EC101	0.10	meq/L		----	975	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	2.09	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	104	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.0700	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	0.00694	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	0.00527	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.177	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.00100 DLDS	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.00250 DLDS	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W23	08-SED-PAG-CW_W24	09-FZONE-NPAG_W21	09-FZONE-NPAG_W22	09-FZONE-NPAG_W23
					Client sampling date / time	24-Jun-2021 16:25	30-Jun-2021 15:00	10-Jun-2021 17:15	17-Jun-2021 15:15	24-Jun-2021 16:45
						SK2102164-031	SK2102164-032	SK2102164-033	SK2102164-034	SK2102164-035
						Result	Result	Result	Result	Result
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	1.16	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.00411	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	1700	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.0116	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.0250 DLDS	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.0318	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	<0.0100 DLDS	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<1.50 DLDS	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.00250 DLDS	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.297	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	2090	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	0.382	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0210	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.162	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<2.50 DLDS	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	523	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.228	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	<0.00250 DLDS	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	2.66	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	0.00192	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	16200	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	41.5	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	1200	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.0100 DLDS	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.000969	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.00500 DLDS	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	0.00611	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.0150 DLDS	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	<0.00500 DLDS	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.0226	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.0250 DLDS	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W23	08-SED-PAG-CW_W24	09-FZONE-NPAG_W21	09-FZONE-NPAG_W22	09-FZONE-NPAG_W23
					Client sampling date / time	24-Jun-2021 16:25	30-Jun-2021 15:00	10-Jun-2021 17:15	17-Jun-2021 15:15	24-Jun-2021 16:45
						SK2102164-031	SK2102164-032	SK2102164-033	SK2102164-034	SK2102164-035
						Result	Result	Result	Result	Result
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.121	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.0150 DLDS	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W24	----	----	----	----
					Client sampling date / time	30-Jun-2021 15:10	----	----	----	----
					SK2102164-036	--------	--------	--------	--------	--------
					Result	----	----	----	----	----
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		89.0	----	----	----	----
conductivity	----	E100	2.0	µS/cm		297	----	----	----	----
pH	----	E108	0.10	pH units		8.32	----	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		127	----	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		104	----	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		157	----	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.0062	----	----	----	----
bromide	24959-67-9	E235.Br	0.10	mg/L		<0.10	----	----	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		<0.0020	----	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		<0.200	----	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		3.16	----	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		0.592	----	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020	----	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010	----	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		26.9	----	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		2.76	----	----	----	----
cation sum	----	EC101	0.10	meq/L		2.72	----	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		0.730	----	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		98.6	----	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0494	----	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00578	----	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.00489	----	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0248	----	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W24	----	----	----	----
					Client sampling date / time	30-Jun-2021 15:10	----	----	----	----
						SK2102164-036	--------	--------	--------	--------
						Result	----	----	----	----
Dissolved Metals										
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.069	----	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		0.0000156	----	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		21.5	----	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000021	----	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00050	----	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00014	----	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.0756	----	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		0.050	----	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		0.00335	----	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0059	----	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		8.57	----	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.00884	----	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00388	----	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00243	----	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		6.79	----	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00126	----	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.000228	----	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		3.31	----	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		17.5	----	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0566	----	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		9.75	----	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		<0.000010	----	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.0196	----	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00016	----	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.00216	----	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00081	----	----	----	----

Analytical Results

Sub-Matrix: **Water** (Matrix: **Water**)					Client sample ID	**09-FZONE-NPA G_W24**	----	----	----	----
					Client sampling date / time	30-Jun-2021 15:10	----	----	----	----
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*		**SK2102164-036**	--------	--------	--------	--------
						Result	----	----	----	----
Dissolved Metals										
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0552	----	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	----
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2102164**	Page	: 1 of 27
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 30-Jun-2021 16:30
PO	: ----	Issue Date	: 11-Jul-2021 18:51
C-O-C number	: ----		
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- Matrix Spike outliers occur - please see following pages for full details.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **Water**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Matrix Spike (MS) Recoveries								
Anions and Nutrients	SK2102164-028	07-IF-PAG-CW_W24	fluoride	16984-48-8	E235.F	62.6 % K	75.0-125%	Recovery less than lower data quality objective
Anions and Nutrients	SK2102164-028	07-IF-PAG-CW_W24	nitrite (as N)	14797-65-0	E235.NO2	70.4 % K	75.0-125%	Recovery less than lower data quality objective

Result Qualifiers

Qualifier	Description
K	*Matrix Spike recovery outside ALS DQO due to sample matrix effects.*

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
01_TSF_W28	E298	24-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	11 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
02-IF-PAG_W24	E298	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
03-SED-PAG_W24	E298	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W24	E298	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W24	E298	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W24	E298	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W24	E298	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W24	E298	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W24	E298	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
01_TSF_W27	E235.Br	17-Jun-2021	----	----	----		02-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
03-SED-PAG_W22	E235.Br	17-Jun-2021	----	----	----		02-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
04-GAB-NPAG_W22	E235.Br	17-Jun-2021	----	----	----		02-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W22	E235.Br	17-Jun-2021	----	----	----		02-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W22	E235.Br	17-Jun-2021	----	----	----		03-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
07-IF-PAG-CW_W22	E235.Br	17-Jun-2021	----	----	----		03-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
08-SED-PAG-CW_W22	E235.Br	17-Jun-2021	----	----	----		03-Jul-2021	28 days	15 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
09-FZONE-NPAG_W22	E235.Br	17-Jun-2021	----	----	----		03-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
01_TSF_W29	E235.Br	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
02-IF-PAG_W24	E235.Br	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
03-SED-PAG_W24	E235.Br	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
04-GAB-NPAG_W24	E235.Br	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W24	E235.Br	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W24	E235.Br	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
07-IF-PAG-CW_W24	E235.Br	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
08-SED-PAG-CW_W24	E235.Br	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE 09-FZONE-NPAG_W24	E235.Br	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 01_TSF_W26	E235.Br	10-Jun-2021	----	----	----		02-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 02-IF-PAG_W21	E235.Br	10-Jun-2021	----	----	----		02-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 03-SED-PAG_W21	E235.Br	10-Jun-2021	----	----	----		02-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 04-GAB-NPAG_W21	E235.Br	10-Jun-2021	----	----	----		02-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 05-SED-NPAG_W21	E235.Br	10-Jun-2021	----	----	----		02-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 06-IF-NPAG_W21	E235.Br	10-Jun-2021	----	----	----		03-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 07-IF-PAG-CW_W21	E235.Br	10-Jun-2021	----	----	----		03-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE 08-SED-PAG-CW_W21	E235.Br	10-Jun-2021	----	----	----		03-Jul-2021	28 days	22 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
09-FZONE-NPAG_W21	E235.Br	10-Jun-2021	----	----	----		03-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
02-IF-PAG_W22	E235.Br	07-Jun-2021	----	----	----		02-Jul-2021	28 days	25 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
01_TSF_W28	E235.Br	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
02-IF-PAG_W23	E235.Br	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
03-SED-PAG_W23	E235.Br	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
04-GAB-NPAG_W23	E235.Br	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
05-SED-NPAG_W23	E235.Br	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
06-IF-NPAG_W23	E235.Br	24-Jun-2021	----	----	----		03-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
07-IF-PAG-CW_W23	E235.Br	24-Jun-2021	----	----	----		03-Jul-2021	28 days	8 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Bromide in Water by IC										
HDPE										
08-SED-PAG-CW_W23	E235.Br	24-Jun-2021	----	----	----		03-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Bromide in Water by IC										
HDPE										
09-FZONE-NPAG_W23	E235.Br	24-Jun-2021	----	----	----		03-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
02-IF-PAG_W24	E235.Cl	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
03-SED-PAG_W24	E235.Cl	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
04-GAB-NPAG_W24	E235.Cl	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
05-SED-NPAG_W24	E235.Cl	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
06-IF-NPAG_W24	E235.Cl	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
07-IF-PAG-CW_W24	E235.Cl	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
08-SED-PAG-CW_W24	E235.Cl	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE										
09-FZONE-NPAG_W24	E235.Cl	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
01_TSF_W28	E235.Cl	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
02-IF-PAG_W24	E235.F	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
03-SED-PAG_W24	E235.F	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
04-GAB-NPAG_W24	E235.F	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
05-SED-NPAG_W24	E235.F	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
06-IF-NPAG_W24	E235.F	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
07-IF-PAG-CW_W24	E235.F	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
08-SED-PAG-CW_W24	E235.F	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
09-FZONE-NPAG_W24	E235.F	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
01_TSF_W28	E235.F	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
02-IF-PAG_W24	E235.NO3	30-Jun-2021	----	----	----		02-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
03-SED-PAG_W24	E235.NO3	30-Jun-2021	----	----	----		02-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
04-GAB-NPAG_W24	E235.NO3	30-Jun-2021	----	----	----		02-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
05-SED-NPAG_W24	E235.NO3	30-Jun-2021	----	----	----		02-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
06-IF-NPAG_W24	E235.NO3	30-Jun-2021	----	----	----		03-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
07-IF-PAG-CW_W24	E235.NO3	30-Jun-2021	----	----	----		03-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
08-SED-PAG-CW_W24	E235.NO3	30-Jun-2021	----	----	----		03-Jul-2021	3 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
09-FZONE-NPAG_W24	E235.NO3	30-Jun-2021	----	----	----		03-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
01_TSF_W28	E235.NO3	24-Jun-2021	----	----	----		02-Jul-2021	3 days	8 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
02-IF-PAG_W24	E235.NO2	30-Jun-2021	----	----	----		02-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
03-SED-PAG_W24	E235.NO2	30-Jun-2021	----	----	----		02-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
04-GAB-NPAG_W24	E235.NO2	30-Jun-2021	----	----	----		02-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
05-SED-NPAG_W24	E235.NO2	30-Jun-2021	----	----	----		02-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
06-IF-NPAG_W24	E235.NO2	30-Jun-2021	----	----	----		03-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
07-IF-PAG-CW_W24	E235.NO2	30-Jun-2021	----	----	----		03-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
08-SED-PAG-CW_W24	E235.NO2	30-Jun-2021	----	----	----		03-Jul-2021	3 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
09-FZONE-NPAG_W24	E235.NO2	30-Jun-2021	----	----	----		03-Jul-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
01_TSF_W28	E235.NO2	24-Jun-2021	----	----	----		02-Jul-2021	3 days	8 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W27	E235.SO4	17-Jun-2021	----	----	----		02-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W22	E235.SO4	17-Jun-2021	----	----	----		02-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W22	E235.SO4	17-Jun-2021	----	----	----		02-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W22	E235.SO4	17-Jun-2021	----	----	----		02-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W22	E235.SO4	17-Jun-2021	----	----	----		03-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W22	E235.SO4	17-Jun-2021	----	----	----		03-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W22	E235.SO4	17-Jun-2021	----	----	----		03-Jul-2021	28 days	15 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W22	E235.SO4	17-Jun-2021	----	----	----		03-Jul-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W29	E235.SO4	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W24	E235.SO4	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W24	E235.SO4	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W24	E235.SO4	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W24	E235.SO4	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W24	E235.SO4	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W24	E235.SO4	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W24	E235.SO4	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W24	E235.SO4	30-Jun-2021	----	----	----		03-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W26	E235.SO4	10-Jun-2021	----	----	----		02-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W21	E235.SO4	10-Jun-2021	----	----	----		02-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W21	E235.SO4	10-Jun-2021	----	----	----		02-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W21	E235.SO4	10-Jun-2021	----	----	----		02-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W21	E235.SO4	10-Jun-2021	----	----	----		02-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W21	E235.SO4	10-Jun-2021	----	----	----		03-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W21	E235.SO4	10-Jun-2021	----	----	----		03-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W21	E235.SO4	10-Jun-2021	----	----	----		03-Jul-2021	28 days	22 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W21	E235.SO4	10-Jun-2021	----	----	----		03-Jul-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W22	E235.SO4	07-Jun-2021	----	----	----		02-Jul-2021	28 days	25 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W28	E235.SO4	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W23	E235.SO4	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W23	E235.SO4	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W23	E235.SO4	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W23	E235.SO4	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W23	E235.SO4	24-Jun-2021	----	----	----		03-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W23	E235.SO4	24-Jun-2021	----	----	----		03-Jul-2021	28 days	8 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W23	E235.SO4	24-Jun-2021	----	----	----		03-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W23	E235.SO4	24-Jun-2021	----	----	----		03-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
01_TSF_W28	E318	24-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	11 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
02-IF-PAG_W24	E318	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
03-SED-PAG_W24	E318	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W24	E318	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W24	E318	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W24	E318	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W24	E318	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W24	E318	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W24	E318	30-Jun-2021	05-Jul-2021	----	----		05-Jul-2021	28 days	5 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
01_TSF_W28	E372-U	24-Jun-2021	07-Jul-2021	----	----		07-Jul-2021	28 days	13 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
02-IF-PAG_W24	E372-U	30-Jun-2021	07-Jul-2021	----	----		07-Jul-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
03-SED-PAG_W24	E372-U	30-Jun-2021	07-Jul-2021	----	----		07-Jul-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W24	E372-U	30-Jun-2021	07-Jul-2021	----	----		07-Jul-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W24	E372-U	30-Jun-2021	07-Jul-2021	----	----		07-Jul-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W24	E372-U	30-Jun-2021	07-Jul-2021	----	----		07-Jul-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W24	E372-U	30-Jun-2021	07-Jul-2021	----	----		07-Jul-2021	28 days	7 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W24	E372-U	30-Jun-2021	07-Jul-2021	----	----		07-Jul-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W24	E372-U	30-Jun-2021	07-Jul-2021	----	----		07-Jul-2021	28 days	7 days	✓
Cyanides : Total Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W28	E333	24-Jun-2021	----	----	----		06-Jul-2021	14 days	12 days	✓
Cyanides : WAD Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W28	E336	24-Jun-2021	----	----	----		06-Jul-2021	14 days	12 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
01_TSF_W28	E421	24-Jun-2021	05-Jul-2021	----	----		06-Jul-2021	180 days	12 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
02-IF-PAG_W24	E421	30-Jun-2021	05-Jul-2021	----	----		06-Jul-2021	180 days	6 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
03-SED-PAG_W24	E421	30-Jun-2021	05-Jul-2021	----	----		06-Jul-2021	180 days	6 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
04-GAB-NPAG_W24	E421	30-Jun-2021	05-Jul-2021	----	----		06-Jul-2021	180 days	6 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
05-SED-NPAG_W24	E421	30-Jun-2021	05-Jul-2021	----	----		06-Jul-2021	180 days	6 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 06-IF-NPAG_W24	E421	30-Jun-2021	05-Jul-2021	----	----		06-Jul-2021	180 days	6 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 07-IF-PAG-CW_W24	E421	30-Jun-2021	05-Jul-2021	----	----		06-Jul-2021	180 days	6 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 08-SED-PAG-CW_W24	E421	30-Jun-2021	05-Jul-2021	----	----		06-Jul-2021	180 days	6 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 09-FZONE-NPAG_W24	E421	30-Jun-2021	05-Jul-2021	----	----		06-Jul-2021	180 days	6 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 02-IF-PAG_W24	E290	30-Jun-2021	----	----	----		02-Jul-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 03-SED-PAG_W24	E290	30-Jun-2021	----	----	----		02-Jul-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 04-GAB-NPAG_W24	E290	30-Jun-2021	----	----	----		02-Jul-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 05-SED-NPAG_W24	E290	30-Jun-2021	----	----	----		02-Jul-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 06-IF-NPAG_W24	E290	30-Jun-2021	----	----	----		02-Jul-2021	14 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Alkalinity Species by Titration										
HDPE										
07-IF-PAG-CW_W24	E290	30-Jun-2021	----	----	----		02-Jul-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
08-SED-PAG-CW_W24	E290	30-Jun-2021	----	----	----		02-Jul-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
09-FZONE-NPAG_W24	E290	30-Jun-2021	----	----	----		02-Jul-2021	14 days	2 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
01_TSF_W28	E290	24-Jun-2021	----	----	----		02-Jul-2021	14 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE										
02-IF-PAG_W24	E100	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE										
03-SED-PAG_W24	E100	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE										
04-GAB-NPAG_W24	E100	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE										
05-SED-NPAG_W24	E100	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE										
06-IF-NPAG_W24	E100	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE 07-IF-PAG-CW_W24	E100	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE 08-SED-PAG-CW_W24	E100	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE 09-FZONE-NPAG_W24	E100	30-Jun-2021	----	----	----		02-Jul-2021	28 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE 01_TSF_W28	E100	24-Jun-2021	----	----	----		02-Jul-2021	28 days	8 days	✓
Physical Tests : pH by Meter										
HDPE 01_TSF_W28	E108	24-Jun-2021	----	----	----		02-Jul-2021	0.25 hrs	196 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 08-SED-PAG-CW_W24	E108	30-Jun-2021	----	----	----		02-Jul-2021	0.25 hrs	50 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 09-FZONE-NPAG_W24	E108	30-Jun-2021	----	----	----		02-Jul-2021	0.25 hrs	50 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 04-GAB-NPAG_W24	E108	30-Jun-2021	----	----	----		02-Jul-2021	0.25 hrs	51 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 05-SED-NPAG_W24	E108	30-Jun-2021	----	----	----		02-Jul-2021	0.25 hrs	51 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE 06-IF-NPAG_W24	E108	30-Jun-2021	----	----	----		02-Jul-2021	0.25 hrs	51 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 07-IF-PAG-CW_W24	E108	30-Jun-2021	----	----	----		02-Jul-2021	0.25 hrs	51 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 02-IF-PAG_W24	E108	30-Jun-2021	----	----	----		02-Jul-2021	0.25 hrs	52 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 03-SED-PAG_W24	E108	30-Jun-2021	----	----	----		02-Jul-2021	0.25 hrs	52 hrs	× EHTR-FM

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	235154	1	20	5.0	5.0	✓
Ammonia by Fluorescence	E298	236511	1	11	9.0	5.0	✓
Bromide in Water by IC	E235.Br	234931	2	36	5.5	5.0	✓
Chloride in Water by IC	E235.Cl	234936	2	12	16.6	5.0	✓
Conductivity in Water	E100	235153	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	236053	1	11	9.0	5.0	✓
Fluoride in Water by IC	E235.F	234935	2	9	22.2	5.0	✓
Nitrate in Water by IC	E235.NO3	234933	2	10	20.0	5.0	✓
Nitrite in Water by IC	E235.NO2	234934	2	10	20.0	5.0	✓
pH by Meter	E108	235152	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	234932	2	37	5.4	5.0	✓
Total Cyanide by CFA	E333	237378	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	235876	1	9	11.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	236376	1	20	5.0	5.0	✓
WAD Cyanide by CFA	E336	237377	1	2	50.0	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	235154	1	20	5.0	5.0	✓
Ammonia by Fluorescence	E298	236511	1	11	9.0	5.0	✓
Bromide in Water by IC	E235.Br	234931	2	36	5.5	5.0	✓
Chloride in Water by IC	E235.Cl	234936	2	12	16.6	5.0	✓
Conductivity in Water	E100	235153	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	236053	1	11	9.0	5.0	✓
Fluoride in Water by IC	E235.F	234935	2	9	22.2	5.0	✓
Nitrate in Water by IC	E235.NO3	234933	2	10	20.0	5.0	✓
Nitrite in Water by IC	E235.NO2	234934	2	10	20.0	5.0	✓
pH by Meter	E108	235152	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	234932	2	37	5.4	5.0	✓
Total Cyanide by CFA	E333	237378	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	235876	1	9	11.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	236376	1	20	5.0	5.0	✓
WAD Cyanide by CFA	E336	237377	1	2	50.0	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	235154	1	20	5.0	5.0	✓
Ammonia by Fluorescence	E298	236511	1	11	9.0	5.0	✓
Bromide in Water by IC	E235.Br	234931	2	36	5.5	5.0	✓
Chloride in Water by IC	E235.Cl	234936	2	12	16.6	5.0	✓
Conductivity in Water	E100	235153	1	20	5.0	5.0	✓

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Dissolved Metals in Water by CRC ICPMS	E421	236053	1	11	9.0	5.0	✓
Fluoride in Water by IC	E235.F	234935	2	9	22.2	5.0	✓
Nitrate in Water by IC	E235.NO3	234933	2	10	20.0	5.0	✓
Nitrite in Water by IC	E235.NO2	234934	2	10	20.0	5.0	✓
Sulfate in Water by IC	E235.SO4	234932	2	37	5.4	5.0	✓
Total Cyanide by CFA	E333	237378	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	235876	1	9	11.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	236376	1	20	5.0	5.0	✓
WAD Cyanide by CFA	E336	237377	1	2	50.0	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	236511	1	11	9.0	5.0	✓
Bromide in Water by IC	E235.Br	234931	2	36	5.5	5.0	✓
Chloride in Water by IC	E235.Cl	234936	2	12	16.6	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	236053	1	11	9.0	5.0	✓
Fluoride in Water by IC	E235.F	234935	2	9	22.2	5.0	✓
Nitrate in Water by IC	E235.NO3	234933	2	10	20.0	5.0	✓
Nitrite in Water by IC	E235.NO2	234934	2	10	20.0	5.0	✓
Sulfate in Water by IC	E235.SO4	234932	2	37	5.4	5.0	✓
Total Cyanide by CFA	E333	237378	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	235876	1	9	11.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	236376	1	20	5.0	5.0	✓
WAD Cyanide by CFA	E336	237377	1	2	50.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Bromide in Water by IC	E235.Br Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Calgary - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.
Total Cyanide by CFA	E333 Vancouver - Environmental	Water	ISO 14403 (mod)	Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.
WAD Cyanide by CFA	E336 Vancouver - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U Calgary - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	“Hardness (as CaCO3), dissolved” is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. “Total Hardness” refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Calgary - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Digestion for Total Phosphorus in water	EP372 Calgary - Environmental	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.

QUALITY CONTROL REPORT

Work Order	: **SK2102164**	Page	: 1 of 14
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 30-Jun-2021 16:30
PO	: ----	Date Analysis Commenced	: 02-Jul-2021
C-O-C number	: ----	Issue Date	: 11-Jul-2021 18:51
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Dwayne Bennett	Technical Specialist	Inorganics, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jorden Fanson	Analyst	Inorganics, Calgary, Alberta
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Naeun Kim	Analyst	Inorganics, Calgary, Alberta
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests (QC Lot: 235152)											
SK2102164-016	04-GAB-NPAG_W24	pH	----	E108	0.10	pH units	8.58	8.55	0.461%	3%	----
Physical Tests (QC Lot: 235153)											
SK2102164-016	04-GAB-NPAG_W24	conductivity	----	E100	2.0	µS/cm	447	445	0.448%	10%	----
Physical Tests (QC Lot: 235154)											
SK2102164-016	04-GAB-NPAG_W24	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	179	181	1.05%	20%	----
Anions and Nutrients (QC Lot: 234931)											
SK2102164-003	01_TSF_W28	bromide	24959-67-9	E235.Br	5.00	mg/L	<5.00	<5.00	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 234932)											
SK2102164-003	01_TSF_W28	sulfate (as SO4)	14808-79-8	E235.SO4	15.0	mg/L	3820	3800	0.472%	20%	----
Anions and Nutrients (QC Lot: 234933)											
SK2102164-003	01_TSF_W28	nitrate (as N)	14797-55-8	E235.NO3	1.00	mg/L	55.4	55.0	0.687%	20%	----
Anions and Nutrients (QC Lot: 234934)											
SK2102164-003	01_TSF_W28	nitrite (as N)	14797-65-0	E235.NO2	0.500	mg/L	7.94	7.92	0.183%	20%	----
Anions and Nutrients (QC Lot: 234935)											
SK2102164-003	01_TSF_W28	fluoride	16984-48-8	E235.F	1.00	mg/L	<1.00	<1.00	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 234936)											
SK2102164-003	01_TSF_W28	chloride	16887-00-6	E235.Cl	25.0	mg/L	900	917	1.91%	20%	----
Anions and Nutrients (QC Lot: 234944)											
SK2102164-024	06-IF-NPAG_W24	chloride	16887-00-6	E235.Cl	0.50	mg/L	4.49	4.37	0.12	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 234945)											
SK2102164-024	06-IF-NPAG_W24	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	39.3	38.5	2.22%	20%	----
Anions and Nutrients (QC Lot: 234946)											
SK2102164-024	06-IF-NPAG_W24	bromide	24959-67-9	E235.Br	0.10	mg/L	<0.10	<0.10	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 234947)											
SK2102164-024	06-IF-NPAG_W24	nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L	<0.020	<0.020	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 234948)											
SK2102164-024	06-IF-NPAG_W24	nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L	<0.010	<0.010	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 234949)											
SK2102164-024	06-IF-NPAG_W24	fluoride	16984-48-8	E235.F	0.020	mg/L	0.485	0.487	0.298%	20%	----
Anions and Nutrients (QC Lot: 235876)											
SK2102164-003	01_TSF_W28	Kjeldahl nitrogen, total [TKN]	----	E318	2.50	mg/L	137	126	8.76%	20%	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Anions and Nutrients (QC Lot: 236376)											
CG2102302-011	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	0.0030	0.0029	0.00005	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 236511)											
SK2102125-001	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.0279	0.0258	0.0021	Diff <2x LOR	----
Cyanides (QC Lot: 237377)											
SK2102164-003	01_TSF_W28	cyanide, weak acid dissociable	----	E336	0.0050	mg/L	0.0103	0.0116	0.0012	Diff <2x LOR	----
Cyanides (QC Lot: 237378)											
SK2102164-003	01_TSF_W28	cyanide, strong acid dissociable (total)	----	E333	0.0100	mg/L	0.222	0.245	9.55%	20%	----
Dissolved Metals (QC Lot: 236053)											
SK2102164-003	01_TSF_W28	aluminum, dissolved	7429-90-5	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.00100	mg/L	0.00788	0.00707	0.00081	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00100	mg/L	0.570	0.569	0.0567%	20%	----
		barium, dissolved	7440-39-3	E421	0.00100	mg/L	0.0382	0.0391	2.30%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000200	mg/L	<0.000200	<0.000200	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.100	mg/L	1.44	1.53	6.53%	20%	----
		cadmium, dissolved	7440-43-9	E421	0.000250	mg/L	<0.000250	<0.000250	0	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	0.500	mg/L	473	490	3.41%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00100	mg/L	0.160	0.158	1.39%	20%	----
		copper, dissolved	7440-50-8	E421	0.00200	mg/L	0.00271	0.00262	0.00010	Diff <2x LOR	----
		iron, dissolved	7439-89-6	E421	0.300	mg/L	<0.300	<0.300	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		magnesium, dissolved	7439-95-4	E421	0.0500	mg/L	56.1	55.1	1.74%	20%	----
		manganese, dissolved	7439-96-5	E421	0.0500	mg/L	1.36	1.37	0.440%	20%	----
		molybdenum, dissolved	7439-98-7	E421	0.000500	mg/L	0.342	0.338	1.00%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	0.500	mg/L	<0.500	<0.500	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	0.500	mg/L	211	212	0.409%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00200	mg/L	0.0373	0.0374	0.333%	20%	----
		selenium, dissolved	7782-49-2	E421	0.000500	mg/L	0.0113	0.0101	11.8%	20%	----
		silicon, dissolved	7440-21-3	E421	0.500	mg/L	6.39	6.68	4.42%	20%	----
		silver, dissolved	7440-22-4	E421	0.000100	mg/L	0.000261	0.000259	0.000002	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	0.500	mg/L	1520	1550	2.37%	20%	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 236053) - continued											
SK2102164-003	01_TSF_W28	strontium, dissolved	7440-24-6	E421	0.00200	mg/L	1.72	1.66	3.30%	20%	----
		sulfur, dissolved	7704-34-9	E421	5.00	mg/L	1470	1470	0.0272%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000100	mg/L	0.000220	0.000189	0.000030	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00100	mg/L	0.00299	0.00303	0.00004	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.00300	mg/L	<0.00300	<0.00300	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000100	mg/L	0.00589	0.00614	4.16%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.00300	mg/L	<0.00300	<0.00300	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 235153)						
conductivity	----	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 235154)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 234931)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 234932)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 234933)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 234934)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 234935)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 234936)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 234944)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 234945)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 234946)						
bromide	24959-67-9	E235.Br	0.1	mg/L	<0.10	----
Anions and Nutrients (QCLot: 234947)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 234948)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 234949)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 235876)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 236376)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Anions and Nutrients (QCLot: 236511)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Cyanides (QCLot: 237377)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
Cyanides (QCLot: 237378)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 236053)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 236053) - continued						
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 235152)									
pH	----	E108	----	pH units	6.86 pH units	99.6	98.0	102	----
Physical Tests (QCLot: 235153)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	98.9	90.0	110	----
Physical Tests (QCLot: 235154)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	98.6	85.0	115	----
Anions and Nutrients (QCLot: 234931)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	103	85.0	115	----
Anions and Nutrients (QCLot: 234932)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	108	90.0	110	----
Anions and Nutrients (QCLot: 234933)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 234934)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 234935)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	98.6	90.0	110	----
Anions and Nutrients (QCLot: 234936)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 234944)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 234945)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 234946)									
bromide	24959-67-9	E235.Br	0.1	mg/L	0.5 mg/L	101	85.0	115	----
Anions and Nutrients (QCLot: 234947)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 234948)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	98.5	90.0	110	----
Anions and Nutrients (QCLot: 234949)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	98.0	90.0	110	----
Anions and Nutrients (QCLot: 235876)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	93.5	75.0	125	----
Anions and Nutrients (QCLot: 236376)									

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Anions and Nutrients (QCLot: 236376) - continued									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.32 mg/L	98.2	80.0	120	----
Anions and Nutrients (QCLot: 236511)									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	99.6	85.0	115	----
Cyanides (QCLot: 237377)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	102	80.0	120	----
Cyanides (QCLot: 237378)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	88.8	80.0	120	----
Dissolved Metals (QCLot: 236053)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	100	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	102	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	97.9	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	99.4	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	104	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	99.7	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	96.3	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	96.4	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	97.4	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	102	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	96.8	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	96.7	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	95.0	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	106	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	100	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	105	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	95.3	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	96.5	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	107	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	95.7	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	98.9	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	95.0	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	97.4	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	100.0	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	102	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	101	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	95.9	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 236053) - continued									
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	104	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	101	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	101	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	96.8	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	96.6	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	95.2	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	92.2	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	99.3	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	101	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	97.2	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	96.6	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	102	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 234931)										
SK2102164-008	02-IF-PAG_W24	bromide	24959-67-9	E235.Br	0.47 mg/L	0.5 mg/L	94.1	75.0	125	----
Anions and Nutrients (QCLot: 234932)										
SK2102164-008	02-IF-PAG_W24	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 234933)										
SK2102164-008	02-IF-PAG_W24	nitrate (as N)	14797-55-8	E235.NO3	2.48 mg/L	2.5 mg/L	99.2	75.0	125	----
Anions and Nutrients (QCLot: 234934)										
SK2102164-008	02-IF-PAG_W24	nitrite (as N)	14797-65-0	E235.NO2	0.453 mg/L	0.5 mg/L	90.6	75.0	125	----
Anions and Nutrients (QCLot: 234935)										
SK2102164-008	02-IF-PAG_W24	fluoride	16984-48-8	E235.F	0.970 mg/L	1 mg/L	97.0	75.0	125	----
Anions and Nutrients (QCLot: 234936)										
SK2102164-008	02-IF-PAG_W24	chloride	16887-00-6	E235.Cl	99.3 mg/L	100 mg/L	99.3	75.0	125	----
Anions and Nutrients (QCLot: 234944)										
SK2102164-028	07-IF-PAG-CW_W24	chloride	16887-00-6	E235.Cl	ND mg/L	100 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 234945)										
SK2102164-028	07-IF-PAG-CW_W24	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 234946)										
SK2102164-028	07-IF-PAG-CW_W24	bromide	24959-67-9	E235.Br	ND mg/L	0.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 234947)										
SK2102164-028	07-IF-PAG-CW_W24	nitrate (as N)	14797-55-8	E235.NO3	2.27 mg/L	2.5 mg/L	90.9	75.0	125	----
Anions and Nutrients (QCLot: 234948)										
SK2102164-028	07-IF-PAG-CW_W24	nitrite (as N)	14797-65-0	E235.NO2	0.352 mg/L	0.5 mg/L	70.4	75.0	125	K
Anions and Nutrients (QCLot: 234949)										
SK2102164-028	07-IF-PAG-CW_W24	fluoride	16984-48-8	E235.F	0.626 mg/L	1 mg/L	62.6	75.0	125	K
Anions and Nutrients (QCLot: 235876)										
SK2102164-008	02-IF-PAG_W24	Kjeldahl nitrogen, total [TKN]	----	E318	1.88 mg/L	2.5 mg/L	75.2	70.0	130	----
Anions and Nutrients (QCLot: 236376)										
CG2102302-012	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0631 mg/L	0.0676 mg/L	93.3	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 236511)										
SK2102126-001	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.112 mg/L	0.1 mg/L	112	75.0	125	----
Cyanides (QCLot: 237377)										
YL2100671-001	Anonymous	cyanide, weak acid dissociable	----	E336	0.606 mg/L	0.625 mg/L	96.9	75.0	125	----
Cyanides (QCLot: 237378)										
YL2100664-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	23.9 mg/L	25 mg/L	95.8	75.0	125	----
Dissolved Metals (QCLot: 236053)										
SK2102164-008	02-IF-PAG_W24	aluminum, dissolved	7429-90-5	E421	0.196 mg/L	0.2 mg/L	98.0	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0206 mg/L	0.02 mg/L	103	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0193 mg/L	0.02 mg/L	96.6	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0393 mg/L	0.04 mg/L	98.3	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00929 mg/L	0.01 mg/L	92.9	70.0	130	----
		boron, dissolved	7440-42-8	E421	0.100 mg/L	0.1 mg/L	100.0	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00388 mg/L	0.004 mg/L	97.1	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.0100 mg/L	0.01 mg/L	100	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0373 mg/L	0.04 mg/L	93.3	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0186 mg/L	0.02 mg/L	93.1	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0180 mg/L	0.02 mg/L	90.3	70.0	130	----
		iron, dissolved	7439-89-6	E421	1.95 mg/L	2 mg/L	97.4	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0186 mg/L	0.02 mg/L	93.1	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.102 mg/L	0.1 mg/L	102	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	0.0188 mg/L	0.02 mg/L	94.2	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0207 mg/L	0.02 mg/L	104	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0373 mg/L	0.04 mg/L	93.2	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	10.3 mg/L	10 mg/L	103	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0196 mg/L	0.02 mg/L	98.0	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0397 mg/L	0.04 mg/L	99.4	70.0	130	----
		silicon, dissolved	7440-21-3	E421	9.62 mg/L	10 mg/L	96.2	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00387 mg/L	0.004 mg/L	96.7	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0388 mg/L	0.04 mg/L	96.9	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 236053) - continued										
SK2102164-008	02-IF-PAG_W24	thallium, dissolved	7440-28-0	E421	0.00365 mg/L	0.004 mg/L	91.2	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0205 mg/L	0.02 mg/L	102	70.0	130	----
		tin, dissolved	7440-31-5	E421	0.0194 mg/L	0.02 mg/L	96.8	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0386 mg/L	0.04 mg/L	96.6	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0192 mg/L	0.02 mg/L	96.2	70.0	130	----
		uranium, dissolved	7440-61-1	E421	ND mg/L	0.004 mg/L	ND	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.0972 mg/L	0.1 mg/L	97.2	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.379 mg/L	0.4 mg/L	94.9	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0417 mg/L	0.04 mg/L	104	70.0	130	----

Qualifiers

Qualifier	Description
K	*Matrix Spike recovery outside ALS DQO due to sample matrix effects.*

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

Environmental Division Saskatoon

Work Order Reference **SK2102164**

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - C

Regular [R] ☑ Standard T

PRIORITY (Business Days)

4 day [P4-20%] ☐

3 day [P3-25%] ☐

2 day [P2-50%] ☐

Date and Time Required for all E&

For tests that can not be performed according

es may apply)

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☐

ay [E2 -200% ☐

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Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	Q83455	AFE/Cost Center:	PO#
Job #:	948-021	Major/Minor Code:	Routing Code:
PO / AFE:		Requisitioner:	
LSD:		Location:	
ALS Lab Work Order # (lab use only):		ALS Contact:	Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P										
	01_TSF_W26	10-Jun-21	15:15	Leachate	1	R			R							Y
	01_TSF_W27	17-Jun-21	14:10	Leachate	1	R			R							Y
	01_TSF_W28	24-Jun-21	13:15	Leachate	1	R			R							Y
	01_TSF_W29	30-Jun-21	13:30	Leachate	4	R	R	R		R	R	R	R	R		Y
	02-IF-PAG_W21	10-Jun-21	15:25	Leachate	1	R			R							Y
	02-IF-PAG_W22	17-Jun-21	14:15	Leachate	1	R			R							Y
	02-IF-PAG_W23	24-Jun-21	15:25	Leachate	1	R			R							Y
	02-IF-PAG_W24	30-Jun-21	13:30	Leachate	3	R	R	R				R	R	R		Y
	03-SED-PAG_W21	10-Jun-21	15:45	Leachate	1	R			R							Y
	03-SED-PAG_W22	17-Jun-21	14:30	Leachate	1	R			R							Y
	03-SED-PAG_W23	24-Jun-21	15:50	Leachate	1	R			R							Y
	03-SED-PAG_W24	30-Jun-21	13:55	Leachate	3	R	R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
7.2							

SHIPMENT RELEASE (client use)		
Released by: Jared Robertson	Date: June 30, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)		
Received by:	Date: 30-6-21	Time: 1470

FINAL SHIPMENT RECEPTION (lab use only)		
Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

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Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Page 1 of

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution	
Select Report Format:	☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report	☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked	
Select Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax	jrobertson@okc-sk.com
Email 2	
Email 3	

Invoice Distribution	
Select Invoice Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax	jrobertson@okc-sk.com
Email 2	

Project Information	
ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)	
AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only): | **ALS Contact:** | **Sampler:**

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days):
- 4 day [P4-20%] ☐
- 3 day [P3-25%] ☐
- 2 day [P2-50%] ☐

EMERGENCY:
- 1 Business day [E - 100%] ☐
- Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P										
	04-GAB-NPAG_W21	10-Jun-21	15:50	Leachate	1	R			R							Y
	04-GAB-NPAG_W22	17-Jun-21	14:35	Leachate	1	R			R							Y
	04-GAB-NPAG_W23	24-Jun-21	15:55	Leachate	1	R			R							Y
	04-GAB-NPAG_W24	30-Jun-21	14:05	Leachate	3	R	R	R				R	R	R		Y
	05-SED-NPAG_W21	10-Jun-21	16:10	Leachate	1	R			R							Y
	05-SED-NPAG_W22	17-Jun-21	14:55	Leachate	1	R			R							Y
	05-SED-NPAG_W23	24-Jun-21	16:15	Leachate	1	R			R							Y
	05-SED-NPAG_W24	30-Jun-21	14:30	Leachate	3	R	R	R				R	R	R		Y
	06-IF-NPAG_W21	10-Jun-21	16:15	Leachate	1	R			R							Y
	06-IF-NPAG_W22	17-Jun-21	15:00	Leachate	1	R			R							Y
	06-IF-NPAG_W23	24-Jun-21	16:20	Leachate	1	R			R							Y
	06-IF-NPAG_W24	30-Jun-21	14:45	Leachate	3	R	R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO

Are samples for human consumption/ use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: June 30, 2021	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2015 FRONT

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using **an Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Page 1 of

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2
Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only): | **ALS Contact:** | **Sampler:**

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK (F/P)	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	07-IF-PAG-CW_W21	10-Jun-21	16:35	Leachate	1	R			R							Y
	07-IF-PAG-CW_W22	17-Jun-21	15:05	Leachate	1	R			R							Y
	07-IF-PAG-CW_W23	24-Jun-21	16:25	Leachate	1	R			R							Y
	07-IF-PAG-CW_W24	30-Jun-21	14:50	Leachate	3	R	R	R				R	R	R		Y
	08-SED-PAG-CW_W21	10-Jun-21	16:40	Leachate	1	R			R							Y
	08-SED-PAG-CW_W22	17-Jun-21	15:10	Leachate	1	R			R							Y
	08-SED-PAG-CW_W23	24-Jun-21	16:25	Leachate	1	R			R							Y
	08-SED-PAG-CW_W24	30-Jun-21	15:00	Leachate	3	R	R	R				R	R	R		Y
	09-FZONE-NPAG_W21	10-Jun-21	17:15	Leachate	1	R			R							Y
	09-FZONE-NPAG_W22	17-Jun-21	15:15	Leachate	1	R			R							Y
	09-FZONE-NPAG_W23	24-Jun-21	16:45	Leachate	1	R			R							Y
	09-FZONE-NPAG_W24	30-Jun-21	15:10	Leachate	3	R	R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO

Are samples for human consumption/ use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐
Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: June 30, 2021	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2018 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2102643**	Page	: 1 of 27
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 29-Jul-2021 13:30
PO	: ----	Date Analysis Commenced	: 30-Jul-2021
C-O-C number	: ----	Issue Date	: 09-Aug-2021 17:34
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Lindsay Gung	Supervisor - Water Chemistry	Inorganics, Burnaby, British Columbia
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Ruifang Zheng	Analyst	Inorganics, Calgary, Alberta
Sara Niroomand		Inorganics, Calgary, Alberta

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Sample Comments

Sample	Client Id	*Comment*
SK2102643-003	01_TSF_W32	sample 01_TSF_W33 is coded for multiple analysis but only received 1 125ml bottle for it. Sample 01_TSF_w32 is only coded for SO4 but received multiple containers matching those needed for 01_TSF_W33. Will assume client mislabelled and will process those bottles for sample 01_TSF_W33.
SK2102643-004	01_TSF_W33	sample 01_TSF_W33 is coded for multiple analysis but only received 1 125ml bottle for it. Sample 01_TSF_w32 is only coded for SO4 but received multiple containers matching those needed for 01_TSF_W33. Will assume client mislabelled and will process those bottles for sample 01_TSF_W33.

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*

IB:INT	*Ion Balance Reviewed: Imbalance is due to interference or non-measured component.*

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W30	01_TSF_W31	01_TSF_W32	01_TSF_W33	02-IF-PAG_W25
					Client sampling date / time	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30	07-Jul-2021 07:00
						SK2102643-001	SK2102643-002	SK2102643-003	SK2102643-004	SK2102643-005
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	1440	----	----
conductivity	----	E100	2.0	µS/cm		----	----	5960	----	----
pH	----	E108	0.10	pH units		----	----	7.69	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	196	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	161	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	4930	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	25.7	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	0.0140	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	44.7	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	300	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<1.00 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	16.9	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	2.40	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3330	3170	2940	2840	138
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	19.3	----	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		----	----	0.326	----	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		----	----	0.0142	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	74.3	----	----
cation sum	----	EC101	0.10	meq/L		----	----	67.6	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	4.72	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	91.0	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	0.0055	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00589	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.477	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0390	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W30	01_TSF_W31	01_TSF_W32	01_TSF_W33	02-IF-PAG_W25
					Client sampling date / time	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30	07-Jul-2021 07:00
						SK2102643-001	SK2102643-002	SK2102643-003	SK2102643-004	SK2102643-005
						Result	Result	Result	Result	Result
Dissolved Metals										
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000100 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000250 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	1.37	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	<0.0000900 DLM	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	487	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	<0.000050 DLDS	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.00250 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	0.0615	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00140	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	0.258	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.000250 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.0080	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	53.7	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	0.692	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.238	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	<0.00250 DLDS	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.250 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	168	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.0304	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.00829	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	7.61	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.000100	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	751	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	1.60	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	1060	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00100 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	0.000155	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00050 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00359	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00150 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.00050 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00496	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W30	01_TSF_W31	01_TSF_W32	01_TSF_W33	02-IF-PAG_W25
					Client sampling date / time	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30	07-Jul-2021 07:00
						SK2102643-001	**SK2102643-002**	**SK2102643-003**	**SK2102643-004**	**SK2102643-005**
						Result	Result	Result	Result	Result
Dissolved Metals										
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00250 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	<0.0050 DLDS	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00150 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W26	02-IF-PAG_W27	02-IF-PAG_W28	03-SED-PAG_W25	03-SED-PAG_W26
					Client sampling date / time	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30	07-Jul-2021 07:00	15-Jul-2021 13:25
						SK2102643-006	SK2102643-007	SK2102643-008	SK2102643-009	SK2102643-010
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	120	----	----
conductivity	----	E100	2.0	µS/cm		----	----	511	----	----
pH	----	E108	0.10	pH units		----	----	7.85	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	86.8	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	71.2	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	318	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	<0.0050	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	0.0071	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	1.08	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	6.08	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	0.338	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<0.020	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<0.010	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		153	165	167	58.4	66.9
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<0.0500	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	5.09	----	----
cation sum	----	EC101	0.10	meq/L		----	----	4.48	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	6.37 IB:INT	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	88.0 IB:INT	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	0.0222	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00600	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.00057	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0375	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000020	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000050	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.088	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.0000062	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W26	02-IF-PAG_W27	02-IF-PAG_W28	03-SED-PAG_W25	03-SED-PAG_W26
					Client sampling date / time	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30	07-Jul-2021 07:00	15-Jul-2021 13:25
						SK2102643-006	SK2102643-007	SK2102643-008	SK2102643-009	SK2102643-010
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	31.4	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.000044	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.00050	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.00010	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00117	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.030	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.000050	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.0134	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	10.1	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	<0.00500	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.00345	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	<0.00050	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.050	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	9.36	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.00775	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.000176	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	3.32	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	<0.000010	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	42.4	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	0.205	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	55.8	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00020	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	0.000012	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00010	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00720	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00030	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	0.00179	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00435	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00050	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.0074	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00030	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W27	03-SED-PAG_W28	04-GAB-NPAG_W25	04-GAB-NPAG_W26	04-GAB-NPAG_W27
					Client sampling date / time	22-Jul-2021 16:00	29-Jul-2021 13:30	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00
						SK2102643-011	SK2102643-012	SK2102643-013	SK2102643-014	SK2102643-015
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	105	----	----	----
conductivity	----	E100	2.0	µS/cm		----	341	----	----	----
pH	----	E108	0.10	pH units		----	7.92	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	102	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	83.2	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	206	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	0.0052	----	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	0.0076	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	<0.200	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	4.92	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	0.549	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<0.020	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<0.010	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		75.9	80.5	42.8	46.6	48.5
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<0.0500	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	3.51	----	----	----
cation sum	----	EC101	0.10	meq/L		----	3.07	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	6.69 IB:INT	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	87.5 IB:INT	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.0498	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	0.00278	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	0.00428	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.0217	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.000020	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.000050	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	0.067	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.0000111	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W27	03-SED-PAG_W28	04-GAB-NPAG_W25	04-GAB-NPAG_W26	04-GAB-NPAG_W27
					Client sampling date / time	22-Jul-2021 16:00	29-Jul-2021 13:30	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00
						SK2102643-011	SK2102643-012	SK2102643-013	SK2102643-014	SK2102643-015
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	25.4	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.000032	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.00050	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.00012	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	0.00302	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<0.030	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.000050	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.0150	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	10.1	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	0.00515	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0144	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.00058	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<0.050	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	10.3	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.00376	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	0.000787	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	3.16	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	<0.000010	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	16.2	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	0.134	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	26.8	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.00020	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.000014	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.00010	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	0.00530	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	0.00064	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	0.00031	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.00546	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	0.00059	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.0160	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.00030	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W28	05-SED-NPAG_W25	05-SED-NPAG_W26	05-SED-NPAG_W27	05-SED-NPAG_W28
					Client sampling date / time	29-Jul-2021 13:30	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30
						SK2102643-016	SK2102643-017	SK2102643-018	SK2102643-019	SK2102643-020
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		25.7	----	----	----	62.2
conductivity	----	E100	2.0	µS/cm		394	----	----	----	270
pH	----	E108	0.10	pH units		8.24	----	----	----	8.00
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		178	----	----	----	117
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	<1.0
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	<1.0
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		146	----	----	----	96.2
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		232	----	----	----	158
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.185	----	----	----	0.110
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		0.0092	----	----	----	0.0146
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		<0.200	----	----	----	1.93
chloride	16887-00-6	E235.Cl	0.50	mg/L		7.16	----	----	----	6.62
fluoride	16984-48-8	E235.F	0.020	mg/L		0.441	----	----	----	0.678
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020	----	----	----	<0.020
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010	----	----	----	0.030
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		46.1	24.7	26.5	28.8	31.5
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	<0.0500
Ion Balance										
anion sum	----	EC101	0.10	meq/L		4.10	----	----	----	2.80
cation sum	----	EC101	0.10	meq/L		3.64	----	----	----	2.49
ion balance (cation-anion difference)	----	EC101	0.010	%		5.94 IB:INT	----	----	----	5.86 IB:INT
ion balance (cations/anions ratio)	----	EC101	0.010	%		88.8 IB:INT	----	----	----	88.9 IB:INT
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0787	----	----	----	0.0685
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00330	----	----	----	0.00256
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.0219	----	----	----	0.163
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0109	----	----	----	0.0151
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.084	----	----	----	0.078
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	<0.0000050

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W28	05-SED-NPAG_W25	05-SED-NPAG_W26	05-SED-NPAG_W27	05-SED-NPAG_W28
					Client sampling date / time	29-Jul-2021 13:30	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30
						SK2102643-016	SK2102643-017	SK2102643-018	SK2102643-019	SK2102643-020
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		6.95	----	----	----	15.8
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000243	----	----	----	0.000064
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00050	----	----	----	<0.00050
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00014	----	----	----	0.00016
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00183	----	----	----	0.00121
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0106	----	----	----	0.0102
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		2.02	----	----	----	5.52
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.00594	----	----	----	<0.00500
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00426	----	----	----	0.00659
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		<0.00050	----	----	----	0.00065
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		4.57	----	----	----	7.63
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00297	----	----	----	0.00289
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.000938	----	----	----	0.000373
silicon, dissolved	7440-21-3	E421	0.050	mg/L		2.96	----	----	----	3.12
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		68.8	----	----	----	23.9
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0192	----	----	----	0.0666
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		15.7	----	----	----	10.3
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000021	----	----	----	0.000011
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.00653	----	----	----	0.00788
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00087	----	----	----	0.00050
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.0192	----	----	----	0.00784
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00650	----	----	----	0.00214
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0210	----	----	----	0.0070
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W25	06-IF-NPAG_W26	06-IF-NPAG_W27	06-IF-NPAG_W28	07-IF-PAG-CW_W25
					Client sampling date / time	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30	29-Jul-2021 07:00
						SK2102643-021	SK2102643-022	SK2102643-023	SK2102643-024	SK2102643-025
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	----	70.8	----
conductivity	----	E100	2.0	µS/cm		----	----	----	338	----
pH	----	E108	0.10	pH units		----	----	----	8.09	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	----	128	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	----	105	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	----	202	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	0.0225	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	----	0.0072	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	----	9.16	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	----	5.31	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	----	0.499	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	----	<0.020	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	----	<0.010	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		41.0	45.5	49.7	53.9	3540
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	----	<0.0500	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	----	3.40	----
cation sum	----	EC101	0.10	meq/L		----	----	----	3.05	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	----	5.43 IB:INT	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	----	89.7 IB:INT	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0163	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.0162	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.00157	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0286	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000050	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.097	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W25	06-IF-NPAG_W26	06-IF-NPAG_W27	06-IF-NPAG_W28	07-IF-PAG-CW_W25
					Client sampling date / time	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30	29-Jul-2021 07:00
						SK2102643-021	SK2102643-022	SK2102643-023	SK2102643-024	SK2102643-025
						Result	Result	Result	Result	Result
Dissolved Metals										
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	----	19.2	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	0.000019	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	<0.00010	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00130	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	----	<0.030	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0187	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	----	5.55	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	----	<0.00500	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.00558	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	0.00406	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.050	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	----	17.7	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.0135	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.000238	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	3.62	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	----	27.1	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	0.207	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	18.2	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	0.000011	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00010	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00734	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	0.00090	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.00426	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0104	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W25	06-IF-NPAG_W26	06-IF-NPAG_W27	06-IF-NPAG_W28	07-IF-PAG-CW_W25
					Client sampling date / time	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30	29-Jul-2021 07:00
						SK2102643-021	SK2102643-022	SK2102643-023	SK2102643-024	SK2102643-025
						Result	Result	Result	Result	Result
Dissolved Metals										
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00030	----
dissolved metals filtration location	----	EP421	-	-		----	----	----	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W26	07-IF-PAG-CW_W27	07-IF-PAG-CW_W28	08-SED-PAG-CW_W25	08-SED-PAG-CW_W26
					Client sampling date / time	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30	07-Jul-2021 07:00	15-Jul-2021 13:25
						SK2102643-026	SK2102643-027	SK2102643-028	SK2102643-029	SK2102643-030
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	12600	----	----
conductivity	----	E100	2.0	µS/cm		----	----	78200	----	----
pH	----	E108	0.10	pH units		----	----	7.37	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	93.0	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	76.2	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	55300	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	3.69	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	0.0120	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	5.15	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	32900	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<10.0 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<10.0 DLDS	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<5.00 DLDS	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3630	3510	3480	3160	3380
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<11.2	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	1000	----	----
cation sum	----	EC101	0.10	meq/L		----	----	901	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	5.21 IB:INT	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	90.1 IB:INT	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.100 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.175	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.00200 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	1.19	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.00179	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W26	07-IF-PAG-CW_W27	07-IF-PAG-CW_W28	08-SED-PAG-CW_W25	08-SED-PAG-CW_W26
					Client sampling date / time	15-Jul-2021 13:25	22-Jul-2021 16:00	29-Jul-2021 13:30	07-Jul-2021 07:00	15-Jul-2021 13:25
						SK2102643-026	SK2102643-027	SK2102643-028	SK2102643-029	SK2102643-030
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	1690	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.0186	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.0500 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	<0.0200 DLDS	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<3.00 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.364	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	2040	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	0.610	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.0854	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.0932	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<5.00 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	517	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.436	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	<5.00 DLDS	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.00167	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	14600	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	39.2	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	1280	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.0200 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.00100 DLDS	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.0300 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.0115	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.0500 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	1.08	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.0300 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W27	08-SED-PAG-CW_W28	09-FZONE-NPAG_W25	09-FZONE-NPAG_W26	09-FZONE-NPAG_W27
					Client sampling date / time	22-Jul-2021 16:00	29-Jul-2021 13:30	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00
						SK2102643-031	SK2102643-032	SK2102643-033	SK2102643-034	SK2102643-035
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	12700	----	----	----
conductivity	----	E100	2.0	µS/cm		----	77500	----	----	----
pH	----	E108	0.10	pH units		----	7.35	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	58.0	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	47.5	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	53600	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	3.97	----	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	0.0055	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	4.74	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	31600	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	<10.0 DLDS	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<10.0 DLDS	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<5.00 DLDS	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3510	3150	28.9	29.4	66.4
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<11.2	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	958	----	----	----
cation sum	----	EC101	0.10	meq/L		----	898	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	3.23	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	93.7	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	<0.100 DLDS	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.169	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.00200 DLDS	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	1.17	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.00373	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W27	08-SED-PAG-CW_W28	09-FZONE-NPAG_W25	09-FZONE-NPAG_W26	09-FZONE-NPAG_W27
					Client sampling date / time	22-Jul-2021 16:00	29-Jul-2021 13:30	07-Jul-2021 07:00	15-Jul-2021 13:25	22-Jul-2021 16:00
						SK2102643-031	SK2102643-032	SK2102643-033	SK2102643-034	SK2102643-035
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	1720	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.00998	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.0335	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<3.00 DLDS	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.312	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	2040	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.500 DLDS	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0181	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.135	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	514	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.204	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	0.00261	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	14500	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	39.3	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	1260	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	<0.00100 DLDS	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.0188	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	<0.100 DLDS	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPA G_W28	----	----	----	----
					Client sampling date / time	29-Jul-2021 13:30	----	----	----	----
						SK2102643-036	--------	--------	--------	--------
						Result	----	----	----	----
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		83.2	----	----	----	----
conductivity	----	E100	2.0	µS/cm		300	----	----	----	----
pH	----	E108	0.10	pH units		8.03	----	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		116	----	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		95.4	----	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		149	----	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		<0.0050	----	----	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		0.0158	----	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		1.15	----	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		4.42	----	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		0.594	----	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020	----	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010	----	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		30.2	----	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		2.69	----	----	----	----
cation sum	----	EC101	0.10	meq/L		2.38	----	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		6.11 IB:INT	----	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		88.5 IB:INT	----	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0326	----	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00558	----	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.00241	----	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0209	----	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.064	----	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W28	----	----	----	----
					Client sampling date / time	29-Jul-2021 13:30	----	----	----	----
						SK2102643-036	--------	--------	--------	--------
						Result	----	----	----	----
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		20.3	----	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		<0.000010	----	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00050	----	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		<0.00010	----	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00154	----	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0060	----	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		7.89	----	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		<0.00500	----	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00332	----	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00059	----	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		6.76	----	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00112	----	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.000387	----	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		3.34	----	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		12.4	----	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0478	----	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		10.2	----	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		<0.000010	----	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.0193	----	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00020	----	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.00161	----	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00069	----	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0010	----	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	----
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2102643**	Page	: 1 of 23
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 29-Jul-2021 13:30
PO	: ----	Issue Date	: 09-Aug-2021 17:34
C-O-C number	: ----		
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- Matrix Spike outliers occur - please see following pages for full details.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **Water**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Matrix Spike (MS) Recoveries								
Anions and Nutrients	SK2102643-003	01_TSF_W32	fluoride	16984-48-8	E235.F	66.5 % K	75.0-125%	Recovery less than lower data quality objective

Result Qualifiers

Qualifier	Description
K	*Matrix Spike recovery outside ALS DQO due to sample matrix effects.*

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
01_TSF_W32	E298	22-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	12 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
02-IF-PAG_W28	E298	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
03-SED-PAG_W28	E298	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W28	E298	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W28	E298	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W28	E298	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W28	E298	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W28	E298	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W28	E298	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
02-IF-PAG_W28	E235.Cl	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
03-SED-PAG_W28	E235.Cl	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
04-GAB-NPAG_W28	E235.Cl	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
05-SED-NPAG_W28	E235.Cl	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
06-IF-NPAG_W28	E235.Cl	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
07-IF-PAG-CW_W28	E235.Cl	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
08-SED-PAG-CW_W28	E235.Cl	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE										
09-FZONE-NPAG_W28	E235.Cl	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
01_TSF_W32	E235.Cl	22-Jul-2021	----	----	----		30-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
02-IF-PAG_W28	E235.F	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
03-SED-PAG_W28	E235.F	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
04-GAB-NPAG_W28	E235.F	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
05-SED-NPAG_W28	E235.F	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
06-IF-NPAG_W28	E235.F	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
07-IF-PAG-CW_W28	E235.F	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
08-SED-PAG-CW_W28	E235.F	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
09-FZONE-NPAG_W28	E235.F	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
01_TSF_W32	E235.F	22-Jul-2021	----	----	----		30-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
02-IF-PAG_W28	E235.NO3	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
03-SED-PAG_W28	E235.NO3	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
04-GAB-NPAG_W28	E235.NO3	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
05-SED-NPAG_W28	E235.NO3	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
06-IF-NPAG_W28	E235.NO3	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
07-IF-PAG-CW_W28	E235.NO3	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
08-SED-PAG-CW_W28	E235.NO3	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
09-FZONE-NPAG_W28	E235.NO3	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
01_TSF_W32	E235.NO3	22-Jul-2021	----	----	----		30-Jul-2021	3 days	8 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
02-IF-PAG_W28	E235.NO2	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
03-SED-PAG_W28	E235.NO2	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
04-GAB-NPAG_W28	E235.NO2	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
05-SED-NPAG_W28	E235.NO2	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
06-IF-NPAG_W28	E235.NO2	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
07-IF-PAG-CW_W28	E235.NO2	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
08-SED-PAG-CW_W28	E235.NO2	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
09-FZONE-NPAG_W28	E235.NO2	29-Jul-2021	----	----	----		30-Jul-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
01_TSF_W32	E235.NO2	22-Jul-2021	----	----	----		30-Jul-2021	3 days	8 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W28	E235.SO4	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W28	E235.SO4	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W28	E235.SO4	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W28	E235.SO4	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W28	E235.SO4	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W28	E235.SO4	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W28	E235.SO4	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W28	E235.SO4	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W31	E235.SO4	15-Jul-2021	----	----	----		31-Jul-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W26	E235.SO4	15-Jul-2021	----	----	----		31-Jul-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W26	E235.SO4	15-Jul-2021	----	----	----		31-Jul-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W26	E235.SO4	15-Jul-2021	----	----	----		31-Jul-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W26	E235.SO4	15-Jul-2021	----	----	----		31-Jul-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W26	E235.SO4	15-Jul-2021	----	----	----		31-Jul-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W26	E235.SO4	15-Jul-2021	----	----	----		31-Jul-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W26	E235.SO4	15-Jul-2021	----	----	----		31-Jul-2021	28 days	16 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W26	E235.SO4	15-Jul-2021	----	----	----		31-Jul-2021	28 days	16 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W25	E235.SO4	29-Jul-2021	----	----	----		31-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W33	E235.SO4	29-Jul-2021	----	----	----		31-Jul-2021	28 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W30	E235.SO4	07-Jul-2021	----	----	----		30-Jul-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W25	E235.SO4	07-Jul-2021	----	----	----		30-Jul-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W25	E235.SO4	07-Jul-2021	----	----	----		30-Jul-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W25	E235.SO4	07-Jul-2021	----	----	----		30-Jul-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W25	E235.SO4	07-Jul-2021	----	----	----		30-Jul-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W25	E235.SO4	07-Jul-2021	----	----	----		30-Jul-2021	28 days	23 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W25	E235.SO4	07-Jul-2021	----	----	----		30-Jul-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W25	E235.SO4	07-Jul-2021	----	----	----		30-Jul-2021	28 days	23 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W32	E235.SO4	22-Jul-2021	----	----	----		30-Jul-2021	28 days	8 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W27	E235.SO4	22-Jul-2021	----	----	----		31-Jul-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W27	E235.SO4	22-Jul-2021	----	----	----		31-Jul-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W27	E235.SO4	22-Jul-2021	----	----	----		31-Jul-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W27	E235.SO4	22-Jul-2021	----	----	----		31-Jul-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W27	E235.SO4	22-Jul-2021	----	----	----		31-Jul-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W27	E235.SO4	22-Jul-2021	----	----	----		31-Jul-2021	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W27	E235.SO4	22-Jul-2021	----	----	----		31-Jul-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W27	E235.SO4	22-Jul-2021	----	----	----		31-Jul-2021	28 days	9 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
01_TSF_W32	E318	22-Jul-2021	04-Aug-2021	----	----		04-Aug-2021	28 days	13 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
02-IF-PAG_W28	E318	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
03-SED-PAG_W28	E318	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W28	E318	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W28	E318	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W28	E318	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W28	E318	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W28	E318	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W28	E318	29-Jul-2021	03-Aug-2021	----	----		03-Aug-2021	28 days	5 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
01_TSF_W32	E372-U	22-Jul-2021	05-Aug-2021	----	----		05-Aug-2021	28 days	14 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
02-IF-PAG_W28	E372-U	29-Jul-2021	05-Aug-2021	----	----		05-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
03-SED-PAG_W28	E372-U	29-Jul-2021	05-Aug-2021	----	----		05-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W28	E372-U	29-Jul-2021	05-Aug-2021	----	----		05-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W28	E372-U	29-Jul-2021	05-Aug-2021	----	----		05-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W28	E372-U	29-Jul-2021	05-Aug-2021	----	----		05-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W28	E372-U	29-Jul-2021	05-Aug-2021	----	----		05-Aug-2021	28 days	7 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W28	E372-U	29-Jul-2021	05-Aug-2021	----	----		05-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W28	E372-U	29-Jul-2021	05-Aug-2021	----	----		05-Aug-2021	28 days	7 days	✓
Cyanides : Total Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W32	E333	22-Jul-2021	----	----	----		04-Aug-2021	14 days	13 days	✓
Cyanides : WAD Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W32	E336	22-Jul-2021	----	----	----		04-Aug-2021	14 days	13 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
02-IF-PAG_W28	E421	29-Jul-2021	30-Jul-2021	----	----		30-Jul-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
03-SED-PAG_W28	E421	29-Jul-2021	30-Jul-2021	----	----		30-Jul-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
04-GAB-NPAG_W28	E421	29-Jul-2021	30-Jul-2021	----	----		30-Jul-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
05-SED-NPAG_W28	E421	29-Jul-2021	30-Jul-2021	----	----		30-Jul-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
06-IF-NPAG_W28	E421	29-Jul-2021	30-Jul-2021	----	----		30-Jul-2021	180 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 07-IF-PAG-CW_W28	E421	29-Jul-2021	30-Jul-2021	----	----		30-Jul-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 08-SED-PAG-CW_W28	E421	29-Jul-2021	30-Jul-2021	----	----		30-Jul-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 09-FZONE-NPAG_W28	E421	29-Jul-2021	30-Jul-2021	----	----		30-Jul-2021	180 days	1 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 01_TSF_W32	E421	22-Jul-2021	30-Jul-2021	----	----		30-Jul-2021	180 days	8 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 02-IF-PAG_W28	E290	29-Jul-2021	----	----	----		30-Jul-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 03-SED-PAG_W28	E290	29-Jul-2021	----	----	----		30-Jul-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 04-GAB-NPAG_W28	E290	29-Jul-2021	----	----	----		30-Jul-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 05-SED-NPAG_W28	E290	29-Jul-2021	----	----	----		30-Jul-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 06-IF-NPAG_W28	E290	29-Jul-2021	----	----	----		30-Jul-2021	14 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Alkalinity Species by Titration										
HDPE										
07-IF-PAG-CW_W28	E290	29-Jul-2021	----	----	----		30-Jul-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
08-SED-PAG-CW_W28	E290	29-Jul-2021	----	----	----		30-Jul-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
09-FZONE-NPAG_W28	E290	29-Jul-2021	----	----	----		30-Jul-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
01_TSF_W32	E290	22-Jul-2021	----	----	----		30-Jul-2021	14 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE										
02-IF-PAG_W28	E100	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
03-SED-PAG_W28	E100	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
04-GAB-NPAG_W28	E100	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
05-SED-NPAG_W28	E100	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
06-IF-NPAG_W28	E100	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE 07-IF-PAG-CW_W28	E100	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 08-SED-PAG-CW_W28	E100	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 09-FZONE-NPAG_W28	E100	29-Jul-2021	----	----	----		30-Jul-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 01_TSF_W32	E100	22-Jul-2021	----	----	----		30-Jul-2021	28 days	8 days	✓
Physical Tests : pH by Meter										
HDPE 01_TSF_W32	E108	22-Jul-2021	----	----	----		30-Jul-2021	0.25 hrs	187 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 02-IF-PAG_W28	E108	29-Jul-2021	----	----	----		30-Jul-2021	0.25 hrs	22 hrs	× EHTL
Physical Tests : pH by Meter										
HDPE 03-SED-PAG_W28	E108	29-Jul-2021	----	----	----		30-Jul-2021	0.25 hrs	22 hrs	× EHTL
Physical Tests : pH by Meter										
HDPE 04-GAB-NPAG_W28	E108	29-Jul-2021	----	----	----		30-Jul-2021	0.25 hrs	22 hrs	× EHTL
Physical Tests : pH by Meter										
HDPE 05-SED-NPAG_W28	E108	29-Jul-2021	----	----	----		30-Jul-2021	0.25 hrs	22 hrs	× EHTL

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE 06-IF-NPAG_W28	E108	29-Jul-2021	----	----	----		30-Jul-2021	0.25 hrs	22 hrs	× EHTL
Physical Tests : pH by Meter										
HDPE 07-IF-PAG-CW_W28	E108	29-Jul-2021	----	----	----		30-Jul-2021	0.25 hrs	22 hrs	× EHTL
Physical Tests : pH by Meter										
HDPE 08-SED-PAG-CW_W28	E108	29-Jul-2021	----	----	----		30-Jul-2021	0.25 hrs	22 hrs	× EHTL
Physical Tests : pH by Meter										
HDPE 09-FZONE-NPAG_W28	E108	29-Jul-2021	----	----	----		30-Jul-2021	0.25 hrs	22 hrs	× EHTL

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	255518	1	12	8.3	5.0	✓
Ammonia by Fluorescence	E298	257308	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	255510	1	13	7.6	5.0	✓
Conductivity in Water	E100	255517	1	12	8.3	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	255513	1	17	5.8	5.0	✓
Fluoride in Water by IC	E235.F	255512	1	10	10.0	5.0	✓
Nitrate in Water by IC	E235.NO3	255508	1	16	6.2	5.0	✓
Nitrite in Water by IC	E235.NO2	255511	1	16	6.2	5.0	✓
pH by Meter	E108	255519	1	12	8.3	5.0	✓
Sulfate in Water by IC	E235.SO4	255509	4	68	5.8	5.0	✓
Total Cyanide by CFA	E333	258554	1	9	11.1	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	256655	3	31	9.6	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	258018	2	29	6.9	5.0	✓
WAD Cyanide by CFA	E336	258553	1	10	10.0	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	255518	1	12	8.3	5.0	✓
Ammonia by Fluorescence	E298	257308	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	255510	1	13	7.6	5.0	✓
Conductivity in Water	E100	255517	1	12	8.3	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	255513	1	17	5.8	5.0	✓
Fluoride in Water by IC	E235.F	255512	1	10	10.0	5.0	✓
Nitrate in Water by IC	E235.NO3	255508	1	16	6.2	5.0	✓
Nitrite in Water by IC	E235.NO2	255511	1	16	6.2	5.0	✓
pH by Meter	E108	255519	1	12	8.3	5.0	✓
Sulfate in Water by IC	E235.SO4	255509	4	68	5.8	5.0	✓
Total Cyanide by CFA	E333	258554	1	9	11.1	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	256655	3	31	9.6	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	258018	2	29	6.9	5.0	✓
WAD Cyanide by CFA	E336	258553	1	10	10.0	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	255518	1	12	8.3	5.0	✓
Ammonia by Fluorescence	E298	257308	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	255510	1	13	7.6	5.0	✓
Conductivity in Water	E100	255517	1	12	8.3	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	255513	1	17	5.8	5.0	✓
Fluoride in Water by IC	E235.F	255512	1	10	10.0	5.0	✓
Nitrate in Water by IC	E235.NO3	255508	1	16	6.2	5.0	✓

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Nitrite in Water by IC	E235.NO2	255511	1	16	6.2	5.0	✓
Sulfate in Water by IC	E235.SO4	255509	4	68	5.8	5.0	✓
Total Cyanide by CFA	E333	258554	1	9	11.1	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	256655	3	31	9.6	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	258018	2	29	6.9	5.0	✓
WAD Cyanide by CFA	E336	258553	1	10	10.0	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	257308	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	255510	1	13	7.6	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	255513	1	17	5.8	5.0	✓
Fluoride in Water by IC	E235.F	255512	1	10	10.0	5.0	✓
Nitrate in Water by IC	E235.NO3	255508	1	16	6.2	5.0	✓
Nitrite in Water by IC	E235.NO2	255511	1	16	6.2	5.0	✓
Sulfate in Water by IC	E235.SO4	255509	4	68	5.8	5.0	✓
Total Cyanide by CFA	E333	258554	1	9	11.1	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	256655	3	31	9.6	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	258018	2	29	6.9	5.0	✓
WAD Cyanide by CFA	E336	258553	1	10	10.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Calgary - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Cyanide by CFA	E333 Vancouver - Environmental	Water	ISO 14403 (mod)	Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.
WAD Cyanide by CFA	E336 Vancouver - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U Calgary - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	"Hardness (as CaCO3), dissolved" is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in $CaCO_3$ equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Calgary - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.
Digestion for Total Phosphorus in water	EP372 Calgary - Environmental	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.

QUALITY CONTROL REPORT

Work Order	: **SK2102643**	Page	: 1 of 14
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 29-Jul-2021 13:30
PO	: ----	Date Analysis Commenced	: 30-Jul-2021
C-O-C number	: ----	Issue Date	: 09-Aug-2021 17:34
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Lindsay Gung	Supervisor - Water Chemistry	Inorganics, Burnaby, British Columbia
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Ruifang Zheng	Analyst	Inorganics, Calgary, Alberta
Sara Niroomand		Inorganics, Calgary, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 255517)											
SK2102633-001	Anonymous	conductivity	----	E100	2.0	µS/cm	457	456	0.219%	10%	----
Physical Tests (QC Lot: 255518)											
SK2102633-001	Anonymous	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	159	159	0.0646%	20%	----
Physical Tests (QC Lot: 255519)											
SK2102633-001	Anonymous	pH	----	E108	0.10	pH units	8.41	8.37	0.491%	3%	----
Anions and Nutrients (QC Lot: 255508)											
RG2100312-001	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L	<0.020	<0.020	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 255509)											
RG2100312-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	150	151	1.09%	20%	----
Anions and Nutrients (QC Lot: 255510)											
RG2100312-001	Anonymous	chloride	16887-00-6	E235.Cl	0.50	mg/L	10.3	9.96	3.36%	20%	----
Anions and Nutrients (QC Lot: 255511)											
RG2100312-001	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L	<0.010	<0.010	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 255512)											
RG2100312-001	Anonymous	fluoride	16984-48-8	E235.F	0.020	mg/L	0.076	0.082	0.005	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 255531)											
SK2102630-005	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	15.0	mg/L	848	833	1.72%	20%	----
Anions and Nutrients (QC Lot: 255737)											
SK2102561-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	<0.30	<0.30	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 255882)											
SK2102664-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	1.50	mg/L	387	386	0.333%	20%	----
Anions and Nutrients (QC Lot: 256655)											
CG2102911-001	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	0.050	mg/L	0.107	0.140	0.033	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 256656)											
SK2102643-028	07-IF-PAG-CW_W28	Kjeldahl nitrogen, total [TKN]	----	E318	0.500	mg/L	5.15	4.34	0.810	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 257221)											
RG2100311-003	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L	1.66	1.59	0.067	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 257308)											
CG2102942-001	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.500	mg/L	11.9	12.2	2.84%	20%	----
Anions and Nutrients (QC Lot: 258018)											
CG2102978-001	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0200	mg/L	0.532	0.523	1.79%	20%	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Anions and Nutrients (QC Lot: 258019)											
SK2102646-001	Anonymous	phosphorus, total	7723-14-0	E372-U	2.00	mg/L	96.4	97.5	1.14%	20%	----
Cyanides (QC Lot: 258553)											
SK2102643-003	01_TSF_W32	cyanide, weak acid dissociable	----	E336	0.0100	mg/L	0.0142	0.0161	0.0019	Diff <2x LOR	----
Cyanides (QC Lot: 258554)											
SK2102643-003	01_TSF_W32	cyanide, strong acid dissociable (total)	----	E333	0.0100	mg/L	0.326	0.382	15.9%	20%	----
Dissolved Metals (QC Lot: 255513)											
SK2102635-001	Anonymous	aluminum, dissolved	7429-90-5	E421	0.0100	mg/L	0.0193	0.0204	0.0012	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00100	mg/L	0.00713	0.00726	0.00013	Diff <2x LOR	----
		barium, dissolved	7440-39-3	E421	0.00100	mg/L	0.0188	0.0179	4.92%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000200	mg/L	<0.000200	<0.000200	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.100	mg/L	0.246	0.255	0.008	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.0000500	mg/L	<0.0000500	<0.0000500	0	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	0.500	mg/L	518	527	1.67%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00100	mg/L	0.00731	0.00753	0.00022	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		iron, dissolved	7439-89-6	E421	0.100	mg/L	20.3	20.8	2.33%	20%	----
		lead, dissolved	7439-92-1	E421	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0100	mg/L	0.797	0.783	1.80%	20%	----
		magnesium, dissolved	7439-95-4	E421	0.0500	mg/L	746	786	5.16%	20%	----
		manganese, dissolved	7439-96-5	E421	0.00100	mg/L	3.20	3.21	0.481%	20%	----
		molybdenum, dissolved	7439-98-7	E421	0.000500	mg/L	0.00301	0.00286	0.000149	Diff <2x LOR	----
		nickel, dissolved	7440-02-0	E421	0.00500	mg/L	0.0163	0.0164	0.00004	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	0.500	mg/L	<0.500	<0.500	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	0.500	mg/L	12.5	12.9	3.06%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		silicon, dissolved	7440-21-3	E421	0.500	mg/L	14.9	14.8	0.373%	20%	----
		silver, dissolved	7440-22-4	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	0.500	mg/L	991	1010	2.20%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00200	mg/L	4.00	3.85	3.69%	20%	----
		sulfur, dissolved	7704-34-9	E421	5.00	mg/L	1540	1530	1.21%	20%	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 255513) - continued											
SK2102635-001	Anonymous	tellurium, dissolved	13494-80-9	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.00300	mg/L	<0.00300	<0.00300	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000100	mg/L	0.0235	0.0244	3.96%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.00300	mg/L	0.00636	0.00606	0.00029	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 255517)						
conductivity	----	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 255518)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 255508)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 255509)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 255510)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 255511)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 255512)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 255531)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 255737)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 255882)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 256655)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 256656)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 257221)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 257308)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 258018)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Anions and Nutrients (QCLot: 258019)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Cyanides (QCLot: 258553)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Cyanides (QCLot: 258554)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 255513)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 255513) - continued						
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 255517)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	99.6	90.0	110	----
Physical Tests (QCLot: 255518)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	101	85.0	115	----
Physical Tests (QCLot: 255519)									
pH	----	E108	----	pH units	6.86 pH units	99.5	98.0	102	----
Anions and Nutrients (QCLot: 255508)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 255509)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 255510)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 255511)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	99.9	90.0	110	----
Anions and Nutrients (QCLot: 255512)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	97.4	90.0	110	----
Anions and Nutrients (QCLot: 255531)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	106	90.0	110	----
Anions and Nutrients (QCLot: 255737)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 255882)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	106	90.0	110	----
Anions and Nutrients (QCLot: 256655)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	105	75.0	125	----
Anions and Nutrients (QCLot: 256656)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	108	75.0	125	----
Anions and Nutrients (QCLot: 257221)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	105	75.0	125	----
Anions and Nutrients (QCLot: 257308)									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	111	85.0	115	----
Anions and Nutrients (QCLot: 258018)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.32 mg/L	98.5	80.0	120	----
Anions and Nutrients (QCLot: 258019)									

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Anions and Nutrients (QCLot: 258019) - continued									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.32 mg/L	94.8	80.0	120	----
Cyanides (QCLot: 258553)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	104	80.0	120	----
Cyanides (QCLot: 258554)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	90.6	80.0	120	----
Dissolved Metals (QCLot: 255513)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	99.9	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	97.7	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	98.0	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	102	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	101	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	101	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	96.1	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	97.0	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	99.3	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	91.0	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	98.8	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	97.8	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	98.6	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	110	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	101	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	115	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	102	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	100	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	96.4	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	108	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	97.7	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	102	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	93.2	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	98.7	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	96.4	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	95.5	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	105	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	101	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	93.9	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 255513) - continued									
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	101	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	94.4	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	96.1	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	98.9	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	97.7	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	94.5	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	99.5	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	95.6	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	105	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 255508)										
SK2102643-003	01_TSF_W32	nitrate (as N)	14797-55-8	E235.NO3	ND mg/L	2.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 255509)										
SK2102643-003	01_TSF_W32	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 255510)										
SK2102643-003	01_TSF_W32	chloride	16887-00-6	E235.Cl	ND mg/L	100 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 255511)										
SK2102643-003	01_TSF_W32	nitrite (as N)	14797-65-0	E235.NO2	ND mg/L	0.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 255512)										
SK2102643-003	01_TSF_W32	fluoride	16984-48-8	E235.F	0.665 mg/L	1 mg/L	66.5	75.0	125	K
Anions and Nutrients (QCLot: 255531)										
SK2102631-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 255737)										
SK2102561-002	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	100 mg/L	100 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 255882)										
SK2102664-002	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	101 mg/L	100 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 256655)										
CG2102911-002	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	2.55 mg/L	2.5 mg/L	102	70.0	130	----
Anions and Nutrients (QCLot: 256656)										
SK2102643-032	08-SED-PAG-CW_W28	Kjeldahl nitrogen, total [TKN]	----	E318	ND mg/L	2.5 mg/L	ND	70.0	130	----
Anions and Nutrients (QCLot: 257221)										
RG2100311-004	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	ND mg/L	2.5 mg/L	ND	70.0	130	----
Anions and Nutrients (QCLot: 257308)										
CG2102962-006	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0996 mg/L	0.1 mg/L	99.6	75.0	125	----
Anions and Nutrients (QCLot: 258018)										
CG2102979-001	Anonymous	phosphorus, total	7723-14-0	E372-U	ND mg/L	0.0676 mg/L	ND	70.0	130	----
Anions and Nutrients (QCLot: 258019)										
SK2102643-012	03-SED-PAG_W28	phosphorus, total	7723-14-0	E372-U	0.0659 mg/L	0.0676 mg/L	97.5	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Cyanides (QCLot: 258553)										
WR2100949-001	Anonymous	cyanide, weak acid dissociable	----	E336	0.128 mg/L	0.125 mg/L	103	75.0	125	----
Cyanides (QCLot: 258554)										
WR2100949-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.224 mg/L	0.25 mg/L	89.5	75.0	125	----
Dissolved Metals (QCLot: 255513)										
SK2102635-002	Anonymous	aluminum, dissolved	7429-90-5	E421	0.200 mg/L	0.2 mg/L	100	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0187 mg/L	0.02 mg/L	93.6	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0190 mg/L	0.02 mg/L	94.9	70.0	130	----
		barium, dissolved	7440-39-3	E421	0.0192 mg/L	0.02 mg/L	96.3	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0371 mg/L	0.04 mg/L	92.7	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00838 mg/L	0.01 mg/L	83.8	70.0	130	----
		boron, dissolved	7440-42-8	E421	ND mg/L	0.1 mg/L	ND	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00387 mg/L	0.004 mg/L	96.7	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.00884 mg/L	0.01 mg/L	88.4	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0383 mg/L	0.04 mg/L	95.6	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0188 mg/L	0.02 mg/L	94.0	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0180 mg/L	0.02 mg/L	89.9	70.0	130	----
		iron, dissolved	7439-89-6	E421	1.98 mg/L	2 mg/L	99.0	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0172 mg/L	0.02 mg/L	86.0	70.0	130	----
		lithium, dissolved	7439-93-2	E421	ND mg/L	0.1 mg/L	ND	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0195 mg/L	0.02 mg/L	97.4	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0361 mg/L	0.04 mg/L	90.3	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	11.2 mg/L	10 mg/L	112	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0200 mg/L	0.02 mg/L	99.9	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0396 mg/L	0.04 mg/L	99.0	70.0	130	----
		silicon, dissolved	7440-21-3	E421	ND mg/L	10 mg/L	ND	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00300 mg/L	0.004 mg/L	74.9	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0361 mg/L	0.04 mg/L	90.2	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00342 mg/L	0.004 mg/L	85.6	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0174 mg/L	0.02 mg/L	86.8	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 255513) - continued										
SK2102635-002	Anonymous	tin, dissolved	7440-31-5	E421	0.0182 mg/L	0.02 mg/L	91.1	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0414 mg/L	0.04 mg/L	103	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0186 mg/L	0.02 mg/L	92.9	70.0	130	----
		uranium, dissolved	7440-61-1	E421	ND mg/L	0.004 mg/L	ND	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.100 mg/L	0.1 mg/L	100	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.354 mg/L	0.4 mg/L	88.5	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0393 mg/L	0.04 mg/L	98.2	70.0	130	----

Qualifiers

Qualifier	Description
K	*Matrix Spike recovery outside ALS DQO due to sample matrix effects.*

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 1

Page

Environmental Division Saskatoon

Work Order Reference SK2102643

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact your AM to c

Regular [R] ☑ Standard TAT if received by 3 pm -

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business c | Same Day, W | (Laboratory c

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selected, you will be contacted.

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only):

ALS Contact:

Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	F/P	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	01_TSF_W30	7-Jul-21	7:00	Leachate	1				R							Y
	01_TSF_W31	15-Jul-21	13:25	Leachate	1				R							Y
	01_TSF_W32	22-Jul-21	16:00	Leachate	1				R							Y
	01_TSF_W33	29-Jul-21	13:30	Leachate	4		R	R		R	R	R	R	R		Y
	02-IF-PAG_W25	7-Jul-21	7:00	Leachate	1				R							Y
	02-IF-PAG_W26	15-Jul-21	13:25	Leachate	1				R							Y
	02-IF-PAG_W27	22-Jul-21	16:00	Leachate	1				R							Y
	02-IF-PAG_W28	29-Jul-21	13:30	Leachate	3		R	R				R	R	R		Y
	03-SED-PAG_W25	7-Jul-21	7:00	Leachate	1				R							Y
	03-SED-PAG_W26	15-Jul-21	13:25	Leachate	1				R							Y
	03-SED-PAG_W27	22-Jul-21	16:00	Leachate	1				R							Y
	03-SED-PAG_W28	29-Jul-21	13:30	Leachate	3		R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
13.4							

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: July 29, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by:	Date: 29-7-21	Time: 1:30

FINAL SHIPMENT RECEPTION (lab use only)

Received by: MES	Date: 29/7/21	Time: 1:50

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2016 FRONT

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2
Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	
ALS Lab Work Order # (lab use only):	
ALS Contact:	Sampler:

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
							F/P									
	07-IF-PAG-CW_W25	7-Jul-21	7:00	Leachate	1				R							Y
	07-IF-PAG-CW_W26	15-Jul-21	13:25	Leachate	1				R							Y
	07-IF-PAG-CW_W27	22-Jul-21	16:00	Leachate	1				R							Y
	07-IF-PAG-CW_W28	29-Jul-21	13:30	Leachate	3		R	R				R	R	R		Y
	08-SED-PAG-CW_W25	7-Jul-21	7:00	Leachate	1				R							Y
	08-SED-PAG-CW_W26	15-Jul-21	13:25	Leachate	1				R							Y
	08-SED-PAG-CW_W27	22-Jul-21	16:00	Leachate	1				R							Y
	08-SED-PAG-CW_W28	29-Jul-21	13:30	Leachate	3		R	R				R	R	R		Y
	09-FZONE-NPAG_W25	7-Jul-21	7:00	Leachate	1				R							Y
	09-FZONE-NPAG_W26	15-Jul-21	13:25	Leachate	1				R							Y
	09-FZONE-NPAG_W27	22-Jul-21	16:00	Leachate	1				R							Y
	09-FZONE-NPAG_W28	29-Jul-21	13:30	Leachate	3		R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO

Are samples for human consumption/ use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐
Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: June 30, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

FINAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

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Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Page 1 of 3

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution	
Select Report Format:	☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report	☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked	
Select Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax	jrobertson@okc-sk.com
Email 2	
Email 3	

Invoice Distribution	
Select Invoice Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax	jrobertson@okc-sk.com
Email 2	

Project Information	
ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)	
AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only):

ALS Contact: **Sampler:**

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P										
	04-GAB-NPAG_W25	7-Jul-21	7:00	Leachate	1				R							Y
	04-GAB-NPAG_W26	15-Jul-21	13:25	Leachate	1				R							Y
	04-GAB-NPAG_W27	22-Jul-21	16:00	Leachate	1				R							Y
	04-GAB-NPAG_W28	29-Jul-21	13:30	Leachate	3		R	R				R	R	R		Y
	05-SED-NPAG_W25	7-Jul-21	7:00	Leachate	1				R							Y
	05-SED-NPAG_W26	15-Jul-21	13:25	Leachate	1				R							Y
	05-SED-NPAG_W27	22-Jul-21	16:00	Leachate	1				R							Y
	05-SED-NPAG_W28	29-Jul-21	13:30	Leachate	3		R	R				R	R	R		Y
	06-IF-NPAG_W25	7-Jul-21	7:00	Leachate	1				R							Y
	06-IF-NPAG_W26	15-Jul-21	13:25	Leachate	1				R							Y
	06-IF-NPAG_W27	22-Jul-21	16:00	Leachate	1				R							Y
	06-IF-NPAG_W28	29-Jul-21	13:30	Leachate	3		R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ YES ☑ NO

Are samples for human consumption/ use? ☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	18	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

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1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2103098**	Page	: 1 of 26
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 26-Aug-2021 16:51
PO	: ----	Date Analysis Commenced	: 27-Aug-2021
C-O-C number	: ----	Issue Date	: 08-Sep-2021 16:17
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Cindy Tang	Team Leader - Inorganics	Inorganics, Burnaby, British Columbia
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Lindsay Gung	Supervisor - Water Chemistry	Inorganics, Burnaby, British Columbia
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Miles Gropen	Department Manager - Inorganics	Inorganics, Burnaby, British Columbia
Nancy Cruse	Laboratory _ Supervisor	Inorganics, Saskatoon, Saskatchewan

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*
IB:INT	*Ion Balance Reviewed: Imbalance is due to interference or non-measured component.*
TKNI	*TKN result may be biased low due to Nitrate interference. Nitrate-N is > 10x TKN.*

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W34	01_TSF_W35	01_TSF_W36	01_TSF_W37	02-IF-PAG_W29
					Client sampling date / time	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10
						SK2103098-001	SK2103098-002	SK2103098-003	SK2103098-004	SK2103098-005
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	1360	----	----
conductivity	----	E100	2.0	µS/cm		----	----	4250	----	----
pH	----	E108	0.10	pH units		----	----	7.99	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	241	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	197	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	3540	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	<0.0050	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		2590	2460	2310	2210	172
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	<0.050 TKNI	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	92.5	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<0.400 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	4.83	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	0.481	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	5.31	----	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		----	----	0.0613	----	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		----	----	0.0117	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	55.0	----	----
cation sum	----	EC101	0.10	meq/L		----	----	45.5	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	9.45 IB:INT	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	82.7 IB:INT	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.0050 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00475	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.303	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W34	01_TSF_W35	01_TSF_W36	01_TSF_W37	02-IF-PAG_W29
					Client sampling date / time	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10
						SK2103098-001	SK2103098-002	SK2103098-003	SK2103098-004	SK2103098-005
						Result	Result	Result	Result	Result
Dissolved Metals										
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0312	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000100 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000250 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.932	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	<0.0000700 DLM	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	458	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	<0.000050 DLDS	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.00250 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	0.0247	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00115	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.150 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.000250 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	<0.0050 DLDS	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	52.0	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	0.855	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.184	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	<0.00250 DLDS	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.250 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	121	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.0192	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.00840	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	6.90	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	<0.000050 DLDS	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	350	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	1.40	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	738	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00100 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	0.000082	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00050 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00285	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00150 DLDS	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W34	01_TSF_W35	01_TSF_W36	01_TSF_W37	02-IF-PAG_W29
					Client sampling date / time	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10
						SK2103098-001	SK2103098-002	SK2103098-003	SK2103098-004	SK2103098-005
						Result	Result	Result	Result	Result
Dissolved Metals										
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.00050 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00384	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00250 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	<0.0050 DLDS	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00150 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W30	02-IF-PAG_W31	02-IF-PAG_W32	03-SED-PAG_W29	03-SED-PAG_W30
					Client sampling date / time	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15
						SK2103098-006	SK2103098-007	SK2103098-008	SK2103098-009	SK2103098-010
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	143	----	----
conductivity	----	E100	2.0	µS/cm		----	----	486	----	----
pH	----	E108	0.10	pH units		----	----	7.93	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	79.3	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	65.0	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	330	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	19.4	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		167	167	159	87.6	86.6
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	22.1	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	6.79	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	0.298	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<0.020 DLDS	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<0.010 DLDS	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<0.0500	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	4.82	----	----
cation sum	----	EC101	0.10	meq/L		----	----	5.89	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	9.99 IB:INT	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	122 IB:INT	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	0.0172	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00438	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.00050	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0398	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000020	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000050	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.078	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W30	02-IF-PAG_W31	02-IF-PAG_W32	03-SED-PAG_W29	03-SED-PAG_W30
					Client sampling date / time	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15
						SK2103098-006	SK2103098-007	SK2103098-008	SK2103098-009	SK2103098-010
						Result	Result	Result	Result	Result
Dissolved Metals										
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.0000077	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	36.3	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.000033	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.00050	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.00010	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00106	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.030	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.000050	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.0109	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	12.7	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	<0.00500	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.00246	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	<0.00050	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.050	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	9.64	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.00739	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.000186	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	3.25	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	<0.000010	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	32.3	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	0.212	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	55.0	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00020	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	0.000016	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00010	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00606	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00030	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	0.00142	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00388	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00050	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.0118	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W30	02-IF-PAG_W31	02-IF-PAG_W32	03-SED-PAG_W29	03-SED-PAG_W30
					Client sampling date / time	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15
						SK2103098-006	SK2103098-007	SK2103098-008	SK2103098-009	SK2103098-010
						Result	Result	Result	Result	Result
Dissolved Metals										
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00030	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W31	03-SED-PAG_W32	04-GAB-NPAG_W29	04-GAB-NPAG_W30	04-GAB-NPAG_W31
					Client sampling date / time	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55
						SK2103098-011	SK2103098-012	SK2103098-013	SK2103098-014	SK2103098-015
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	127	----	----	----
conductivity	----	E100	2.0	µS/cm		----	354	----	----	----
pH	----	E108	0.10	pH units		----	8.00	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	96.9	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	79.4	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	217	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	<0.0050	----	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	<0.0020	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		85.4	88.1	52.4	56.2	57.8
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	<0.050	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	5.42	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	0.490	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<0.020 DLDS	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<0.010 DLDS	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<0.0500	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	3.60	----	----	----
cation sum	----	EC101	0.10	meq/L		----	3.40	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	2.86	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	94.4	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.0276	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	0.00265	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	0.00450	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.0248	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.000020	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.000050	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	0.056	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W31	03-SED-PAG_W32	04-GAB-NPAG_W29	04-GAB-NPAG_W30	04-GAB-NPAG_W31
					Client sampling date / time	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55
						SK2103098-011	SK2103098-012	SK2103098-013	SK2103098-014	SK2103098-015
						Result	Result	Result	Result	Result
Dissolved Metals										
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.0000104	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	29.4	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.000024	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.00050	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.00011	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	0.00089	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<0.030	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.000050	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.0140	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	13.0	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.00500	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0116	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	<0.00050	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<0.050	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	10.0	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.00334	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	0.000754	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	3.21	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	<0.000010	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	13.9	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	0.147	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	29.6	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.00020	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.000013	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.00010	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	0.00426	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.00030	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	0.00023	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.00601	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	0.00052	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.0081	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W31	03-SED-PAG_W32	04-GAB-NPAG_W29	04-GAB-NPAG_W30	04-GAB-NPAG_W31
					Client sampling date / time	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55
						SK2103098-011	SK2103098-012	SK2103098-013	SK2103098-014	SK2103098-015
						Result	Result	Result	Result	Result
Dissolved Metals										
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.00030	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W32	05-SED-NPAG_W29	05-SED-NPAG_W30	05-SED-NPAG_W31	05-SED-NPAG_W32
					Client sampling date / time	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30
						SK2103098-016	SK2103098-017	SK2103098-018	SK2103098-019	SK2103098-020
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		37.2	----	----	----	74.8
conductivity	----	E100	2.0	µS/cm		395	----	----	----	268
pH	----	E108	0.10	pH units		8.22	----	----	----	8.02
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		159	----	----	----	98.3
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	<1.0
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	<1.0
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		130	----	----	----	80.6
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		238	----	----	----	157
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		<0.0050	----	----	----	0.0821
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		0.0026	----	----	----	0.0050
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		56.9	34.5	38.1	39.2	41.9
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		0.057	----	----	----	0.167
chloride	16887-00-6	E235.Cl	0.50	mg/L		6.72	----	----	----	5.84
fluoride	16984-48-8	E235.F	0.020	mg/L		0.416	----	----	----	0.586
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020 DLDS	----	----	----	<0.020 DLDS
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010 DLDS	----	----	----	0.034
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	<0.0500
Ion Balance										
anion sum	----	EC101	0.10	meq/L		3.99	----	----	----	2.68
cation sum	----	EC101	0.10	meq/L		3.89	----	----	----	2.52
ion balance (cation-anion difference)	----	EC101	0.010	%		1.27	----	----	----	3.08
ion balance (cations/anions ratio)	----	EC101	0.010	%		97.5	----	----	----	94.0
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0510	----	----	----	0.0502
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00342	----	----	----	0.00366
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.0202	----	----	----	0.184
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0141	----	----	----	0.0171
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.072	----	----	----	0.066

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W32	05-SED-NPAG_W29	05-SED-NPAG_W30	05-SED-NPAG_W31	05-SED-NPAG_W32
					Client sampling date / time	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30
						SK2103098-016	SK2103098-017	SK2103098-018	SK2103098-019	SK2103098-020
						Result	Result	Result	Result	Result
Dissolved Metals										
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	0.0000085
calcium, dissolved	7440-70-2	E421	0.050	mg/L		9.89	----	----	----	18.7
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000146	----	----	----	0.000051
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00050	----	----	----	<0.00050
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00016	----	----	----	0.00013
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00147	----	----	----	0.00102
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0107	----	----	----	0.0092
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		3.05	----	----	----	6.83
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.00965	----	----	----	<0.00500
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00365	----	----	----	0.00444
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00051	----	----	----	0.00063
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		5.62	----	----	----	7.69
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00252	----	----	----	0.00256
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.000783	----	----	----	0.000292
silicon, dissolved	7440-21-3	E421	0.050	mg/L		3.13	----	----	----	3.00
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		68.9	----	----	----	18.7
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0293	----	----	----	0.0853
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		18.8	----	----	----	13.9
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000015	----	----	----	<0.000010
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.00629	----	----	----	0.00633
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00073	----	----	----	0.00042
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.0201	----	----	----	0.00991
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00490	----	----	----	0.00200
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0109	----	----	----	0.0122

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W32	05-SED-NPAG_W29	05-SED-NPAG_W30	05-SED-NPAG_W31	05-SED-NPAG_W32
					Client sampling date / time	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30
						SK2103098-016	SK2103098-017	SK2103098-018	SK2103098-019	SK2103098-020
						Result	Result	Result	Result	Result
Dissolved Metals										
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W29	06-IF-NPAG_W30	06-IF-NPAG_W31	06-IF-NPAG_W32	07-IF-PAG-CW_W29
					Client sampling date / time	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10
						SK2103098-021	SK2103098-022	SK2103098-023	SK2103098-024	SK2103098-025
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	----	80.4	----
conductivity	----	E100	2.0	µS/cm		----	----	----	330	----
pH	----	E108	0.10	pH units		----	----	----	8.09	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	----	115	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	----	94.4	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	----	200	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	0.0072	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	----	0.0025	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		57.9	59.1	57.7	58.2	3560
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	----	<0.050	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	----	5.92	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	----	0.446	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	----	<0.020 DLDS	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	----	<0.010 DLDS	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	----	<0.0500	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	----	3.29	----
cation sum	----	EC101	0.10	meq/L		----	----	----	3.06	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	----	3.62	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	----	93.0	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0128	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.0134	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.00123	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0318	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000050	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.078	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W29	06-IF-NPAG_W30	06-IF-NPAG_W31	06-IF-NPAG_W32	07-IF-PAG-CW_W29
					Client sampling date / time	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10
						SK2103098-021	SK2103098-022	SK2103098-023	SK2103098-024	SK2103098-025
						Result	Result	Result	Result	Result
Dissolved Metals										
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	----	21.0	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	0.000018	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	<0.00010	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00088	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	----	<0.030	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0158	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	----	6.80	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	----	<0.00500	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.00432	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.050	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	----	19.7	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.0153	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.000147	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	3.48	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	----	21.8	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	0.227	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	19.0	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	0.000010	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00010	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00677	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	0.00072	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.00396	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0119	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W29	06-IF-NPAG_W30	06-IF-NPAG_W31	06-IF-NPAG_W32	07-IF-PAG-CW_W29
					Client sampling date / time	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10
						SK2103098-021	SK2103098-022	SK2103098-023	SK2103098-024	SK2103098-025
						Result	Result	Result	Result	Result
Dissolved Metals										
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00030	----
dissolved metals filtration location	----	EP421	-	-		----	----	----	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W30	07-IF-PAG-CW_W31	07-IF-PAG-CW_W32	08-SED-PAG-CW_W29	08-SED-PAG-CW_W30
					Client sampling date / time	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15
						SK2103098-026	SK2103098-027	SK2103098-028	SK2103098-029	SK2103098-030
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	13400	----	----
conductivity	----	E100	2.0	µS/cm		----	----	78600	----	----
pH	----	E108	0.10	pH units		----	----	7.51	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	86.3	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	70.8	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	57800	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	3.73	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	<0.0020	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3500	3550	3620	3450	3460
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	5.18	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	33700	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<10.0 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<10.0 DLDS	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<5.00	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<11.2	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	1030	----	----
cation sum	----	EC101	0.10	meq/L		----	----	978	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	2.59	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	95.0	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.100 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.174	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.00200 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	1.12	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W30	07-IF-PAG-CW_W31	07-IF-PAG-CW_W32	08-SED-PAG-CW_W29	08-SED-PAG-CW_W30
					Client sampling date / time	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15
						SK2103098-026	SK2103098-027	SK2103098-028	SK2103098-029	SK2103098-030
						Result	Result	Result	Result	Result
Dissolved Metals										
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.00143	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	1680	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.0198	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.0500 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	<0.0200 DLDS	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<3.00 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.266	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	2240	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	0.676	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.00589	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.0956	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<5.00 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	527	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.438	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	<5.00 DLDS	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.00130	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	16000	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	40.3	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	1240	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.0200 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.00100 DLDS	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.0300 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.0139	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.0500 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.350	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W30	07-IF-PAG-CW_W31	07-IF-PAG-CW_W32	08-SED-PAG-CW_W29	08-SED-PAG-CW_W30
					Client sampling date / time	12-Aug-2021 09:15	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15
						SK2103098-026	SK2103098-027	SK2103098-028	SK2103098-029	SK2103098-030
						Result	Result	Result	Result	Result
Dissolved Metals										
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.0300 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W31	08-SED-PAG-CW_W32	09-FZONE-NPAG_W29	09-FZONE-NPAG_W30	09-FZONE-NPAG_W31
					Client sampling date / time	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55
						SK2103098-031	SK2103098-032	SK2103098-033	SK2103098-034	SK2103098-035
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	12500	----	----	----
conductivity	----	E100	2.0	µS/cm		----	77900	----	----	----
pH	----	E108	0.10	pH units		----	7.47	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	54.2	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	44.4	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	56000	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	3.59	----	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	<0.0020	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3250	3430	29.8	32.6	30.1
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	4.57	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	33100	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	<10.0 DLDS	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<10.0 DLDS	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<5.00 DLDS	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<11.2	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	1010	----	----	----
cation sum	----	EC101	0.10	meq/L		----	927	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	4.28	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	91.8	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	<0.100 DLDS	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.156	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.00200 DLDS	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	1.09	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W31	08-SED-PAG-CW_W32	09-FZONE-NPAG_W29	09-FZONE-NPAG_W30	09-FZONE-NPAG_W31
					Client sampling date / time	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55
						SK2103098-031	SK2103098-032	SK2103098-033	SK2103098-034	SK2103098-035
						Result	Result	Result	Result	Result
Dissolved Metals										
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.00382	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	1610	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.00936	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.0326	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<3.00 DLDS	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.263	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	2050	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.500 DLDS	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0170	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.131	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	491	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.199	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	0.00220	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	15300	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	38.6	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	1220	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	<0.00100 DLDS	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.0193	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	<0.100 DLDS	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W31	08-SED-PAG-CW_W32	09-FZONE-NPAG_W29	09-FZONE-NPAG_W30	09-FZONE-NPAG_W31
					Client sampling date / time	20-Aug-2021 10:55	26-Aug-2021 13:30	05-Aug-2021 15:10	12-Aug-2021 09:15	20-Aug-2021 10:55
						SK2103098-031	SK2103098-032	SK2103098-033	SK2103098-034	SK2103098-035
						Result	Result	Result	Result	Result
Dissolved Metals										
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPA G_W32	----	----	----	----
					Client sampling date / time	26-Aug-2021 13:30	----	----	----	----
						SK2103098-036	--------	--------	--------	--------
						Result	----	----	----	----
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		87.2	----	----	----	----
conductivity	----	E100	2.0	µS/cm		284	----	----	----	----
pH	----	E108	0.10	pH units		8.10	----	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		106	----	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		87.0	----	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		138	----	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		<0.0050	----	----	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		0.0099	----	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		26.0	----	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		<0.050	----	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		4.97	----	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		0.432	----	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020 DLDS	----	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010 DLDS	----	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		2.44	----	----	----	----
cation sum	----	EC101	0.10	meq/L		2.37	----	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		1.46	----	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		97.1	----	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0292	----	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00486	----	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.00287	----	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0183	----	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.066	----	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W32	----	----	----	----
					Client sampling date / time	26-Aug-2021 13:30	----	----	----	----
						SK2103098-036	--------	--------	--------	--------
						Result	----	----	----	----
Dissolved Metals										
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		21.9	----	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		<0.000010	----	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00050	----	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		<0.00010	----	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00127	----	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0046	----	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		7.89	----	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.0110	----	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00203	----	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		<0.00050	----	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		6.52	----	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00115	----	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.000388	----	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		2.78	----	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		10.5	----	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0479	----	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		8.90	----	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		<0.000010	----	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.0128	----	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00021	----	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.00129	----	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00064	----	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0013	----	----	----	----

Analytical Results

Sub-Matrix: **Water** (Matrix: **Water**)					Client sample ID	**09-FZONE-NPA G_W32**	----	----	----	----
					Client sampling date / time	26-Aug-2021 13:30	----	----	----	----
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*		**SK2103098-036**	--------	--------	--------	--------
						Result	----	----	----	----
Dissolved Metals										
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	----
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2103098**	Page	: 1 of 22
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 26-Aug-2021 16:51
PO	: ----	Issue Date	: 08-Sep-2021 16:17
C-O-C number	: ----		
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
01_TSF_W36	E298	20-Aug-2021	01-Sep-2021	----	----		01-Sep-2021	28 days	12 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
02-IF-PAG_W32	E298	26-Aug-2021	01-Sep-2021	----	----		01-Sep-2021	28 days	6 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
03-SED-PAG_W32	E298	26-Aug-2021	01-Sep-2021	----	----		01-Sep-2021	28 days	6 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W32	E298	26-Aug-2021	01-Sep-2021	----	----		01-Sep-2021	28 days	6 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W32	E298	26-Aug-2021	01-Sep-2021	----	----		01-Sep-2021	28 days	6 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W32	E298	26-Aug-2021	01-Sep-2021	----	----		01-Sep-2021	28 days	6 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W32	E298	26-Aug-2021	01-Sep-2021	----	----		01-Sep-2021	28 days	6 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W32	E298	26-Aug-2021	01-Sep-2021	----	----		01-Sep-2021	28 days	6 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W32	E298	26-Aug-2021	01-Sep-2021	----	----		01-Sep-2021	28 days	6 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
02-IF-PAG_W32	E235.Cl	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
03-SED-PAG_W32	E235.Cl	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
04-GAB-NPAG_W32	E235.Cl	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
05-SED-NPAG_W32	E235.Cl	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
06-IF-NPAG_W32	E235.Cl	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
07-IF-PAG-CW_W32	E235.Cl	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
08-SED-PAG-CW_W32	E235.Cl	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE										
09-FZONE-NPAG_W32	E235.Cl	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
01_TSF_W36	E235.Cl	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
02-IF-PAG_W32	E235.F	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
03-SED-PAG_W32	E235.F	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
04-GAB-NPAG_W32	E235.F	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
05-SED-NPAG_W32	E235.F	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
06-IF-NPAG_W32	E235.F	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
07-IF-PAG-CW_W32	E235.F	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
08-SED-PAG-CW_W32	E235.F	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
09-FZONE-NPAG_W32	E235.F	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
01_TSF_W36	E235.F	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
02-IF-PAG_W32	E235.NO3	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
03-SED-PAG_W32	E235.NO3	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
04-GAB-NPAG_W32	E235.NO3	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
05-SED-NPAG_W32	E235.NO3	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
06-IF-NPAG_W32	E235.NO3	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
07-IF-PAG-CW_W32	E235.NO3	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
08-SED-PAG-CW_W32	E235.NO3	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
09-FZONE-NPAG_W32	E235.NO3	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
01_TSF_W36	E235.NO3	20-Aug-2021	----	----	----		27-Aug-2021	3 days	7 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
02-IF-PAG_W32	E235.NO2	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
03-SED-PAG_W32	E235.NO2	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
04-GAB-NPAG_W32	E235.NO2	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
05-SED-NPAG_W32	E235.NO2	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
06-IF-NPAG_W32	E235.NO2	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
07-IF-PAG-CW_W32	E235.NO2	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
08-SED-PAG-CW_W32	E235.NO2	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
09-FZONE-NPAG_W32	E235.NO2	26-Aug-2021	----	----	----		27-Aug-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
01_TSF_W36	E235.NO2	20-Aug-2021	----	----	----		27-Aug-2021	3 days	7 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W37	E235.SO4	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W32	E235.SO4	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W32	E235.SO4	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W32	E235.SO4	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W32	E235.SO4	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W32	E235.SO4	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W32	E235.SO4	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W32	E235.SO4	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W32	E235.SO4	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W35	E235.SO4	12-Aug-2021	----	----	----		27-Aug-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W30	E235.SO4	12-Aug-2021	----	----	----		27-Aug-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W30	E235.SO4	12-Aug-2021	----	----	----		27-Aug-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W30	E235.SO4	12-Aug-2021	----	----	----		27-Aug-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W30	E235.SO4	12-Aug-2021	----	----	----		27-Aug-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W30	E235.SO4	12-Aug-2021	----	----	----		27-Aug-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W30	E235.SO4	12-Aug-2021	----	----	----		27-Aug-2021	28 days	15 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W30	E235.SO4	12-Aug-2021	----	----	----		27-Aug-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W30	E235.SO4	12-Aug-2021	----	----	----		27-Aug-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W34	E235.SO4	05-Aug-2021	----	----	----		27-Aug-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W29	E235.SO4	05-Aug-2021	----	----	----		27-Aug-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W29	E235.SO4	05-Aug-2021	----	----	----		27-Aug-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W29	E235.SO4	05-Aug-2021	----	----	----		27-Aug-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W29	E235.SO4	05-Aug-2021	----	----	----		27-Aug-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W29	E235.SO4	05-Aug-2021	----	----	----		27-Aug-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W29	E235.SO4	05-Aug-2021	----	----	----		27-Aug-2021	28 days	22 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W29	E235.SO4	05-Aug-2021	----	----	----		27-Aug-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W29	E235.SO4	05-Aug-2021	----	----	----		27-Aug-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W36	E235.SO4	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W31	E235.SO4	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W31	E235.SO4	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W31	E235.SO4	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W31	E235.SO4	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W31	E235.SO4	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W31	E235.SO4	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W31	E235.SO4	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W31	E235.SO4	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
01_TSF_W36	E318	20-Aug-2021	01-Sep-2021	----	----		04-Sep-2021	28 days	15 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
02-IF-PAG_W32	E318	26-Aug-2021	01-Sep-2021	----	----		04-Sep-2021	28 days	9 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
03-SED-PAG_W32	E318	26-Aug-2021	01-Sep-2021	----	----		04-Sep-2021	28 days	9 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W32	E318	26-Aug-2021	01-Sep-2021	----	----		04-Sep-2021	28 days	9 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W32	E318	26-Aug-2021	01-Sep-2021	----	----		04-Sep-2021	28 days	9 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W32	E318	26-Aug-2021	01-Sep-2021	----	----		04-Sep-2021	28 days	9 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W32	E318	26-Aug-2021	01-Sep-2021	----	----		04-Sep-2021	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W32	E318	26-Aug-2021	01-Sep-2021	----	----		04-Sep-2021	28 days	9 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W32	E318	26-Aug-2021	01-Sep-2021	----	----		04-Sep-2021	28 days	9 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
01_TSF_W36	E372-U	20-Aug-2021	01-Sep-2021	----	----		02-Sep-2021	28 days	13 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
02-IF-PAG_W32	E372-U	26-Aug-2021	01-Sep-2021	----	----		02-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
03-SED-PAG_W32	E372-U	26-Aug-2021	01-Sep-2021	----	----		02-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W32	E372-U	26-Aug-2021	01-Sep-2021	----	----		02-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W32	E372-U	26-Aug-2021	01-Sep-2021	----	----		02-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W32	E372-U	26-Aug-2021	01-Sep-2021	----	----		02-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W32	E372-U	26-Aug-2021	01-Sep-2021	----	----		02-Sep-2021	28 days	7 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W32	E372-U	26-Aug-2021	01-Sep-2021	----	----		02-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W32	E372-U	26-Aug-2021	01-Sep-2021	----	----		02-Sep-2021	28 days	7 days	✓
Cyanides : Total Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W36	E333	20-Aug-2021	----	----	----		02-Sep-2021	14 days	13 days	✓
Cyanides : WAD Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W36	E336	20-Aug-2021	----	----	----		02-Sep-2021	14 days	13 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
01_TSF_W36	E421	20-Aug-2021	31-Aug-2021	----	----		31-Aug-2021	180 days	11 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
02-IF-PAG_W32	E421	26-Aug-2021	31-Aug-2021	----	----		31-Aug-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
03-SED-PAG_W32	E421	26-Aug-2021	31-Aug-2021	----	----		31-Aug-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
04-GAB-NPAG_W32	E421	26-Aug-2021	31-Aug-2021	----	----		31-Aug-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
05-SED-NPAG_W32	E421	26-Aug-2021	31-Aug-2021	----	----		31-Aug-2021	180 days	5 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 06-IF-NPAG_W32	E421	26-Aug-2021	31-Aug-2021	----	----		31-Aug-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 07-IF-PAG-CW_W32	E421	26-Aug-2021	31-Aug-2021	----	----		31-Aug-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 08-SED-PAG-CW_W32	E421	26-Aug-2021	31-Aug-2021	----	----		31-Aug-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 09-FZONE-NPAG_W32	E421	26-Aug-2021	31-Aug-2021	----	----		31-Aug-2021	180 days	5 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 02-IF-PAG_W32	E290	26-Aug-2021	----	----	----		27-Aug-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 03-SED-PAG_W32	E290	26-Aug-2021	----	----	----		27-Aug-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 04-GAB-NPAG_W32	E290	26-Aug-2021	----	----	----		27-Aug-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 05-SED-NPAG_W32	E290	26-Aug-2021	----	----	----		27-Aug-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 06-IF-NPAG_W32	E290	26-Aug-2021	----	----	----		27-Aug-2021	14 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Alkalinity Species by Titration										
HDPE										
07-IF-PAG-CW_W32	E290	26-Aug-2021	----	----	----		27-Aug-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
08-SED-PAG-CW_W32	E290	26-Aug-2021	----	----	----		27-Aug-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
09-FZONE-NPAG_W32	E290	26-Aug-2021	----	----	----		27-Aug-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
01_TSF_W36	E290	20-Aug-2021	----	----	----		27-Aug-2021	14 days	7 days	✓
Physical Tests : Conductivity in Water										
HDPE										
02-IF-PAG_W32	E100	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
03-SED-PAG_W32	E100	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
04-GAB-NPAG_W32	E100	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
05-SED-NPAG_W32	E100	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
06-IF-NPAG_W32	E100	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE 07-IF-PAG-CW_W32	E100	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 08-SED-PAG-CW_W32	E100	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 09-FZONE-NPAG_W32	E100	26-Aug-2021	----	----	----		27-Aug-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 01_TSF_W36	E100	20-Aug-2021	----	----	----		27-Aug-2021	28 days	7 days	✓
Physical Tests : pH by Meter										
HDPE 01_TSF_W36	E108	20-Aug-2021	----	----	----		27-Aug-2021	0.25 hrs	171 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 02-IF-PAG_W32	E108	26-Aug-2021	----	----	----		27-Aug-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 03-SED-PAG_W32	E108	26-Aug-2021	----	----	----		27-Aug-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 04-GAB-NPAG_W32	E108	26-Aug-2021	----	----	----		27-Aug-2021	0.25 hrs	24 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 05-SED-NPAG_W32	E108	26-Aug-2021	----	----	----		27-Aug-2021	0.25 hrs	24 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: ✖ = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE 06-IF-NPAG_W32	E108	26-Aug-2021	----	----	----		27-Aug-2021	0.25 hrs	24 hrs	✖ EHTR-FM
Physical Tests : pH by Meter										
HDPE 07-IF-PAG-CW_W32	E108	26-Aug-2021	----	----	----		27-Aug-2021	0.25 hrs	24 hrs	✖ EHTR-FM
Physical Tests : pH by Meter										
HDPE 08-SED-PAG-CW_W32	E108	26-Aug-2021	----	----	----		27-Aug-2021	0.25 hrs	24 hrs	✖ EHTR-FM
Physical Tests : pH by Meter										
HDPE 09-FZONE-NPAG_W32	E108	26-Aug-2021	----	----	----		27-Aug-2021	0.25 hrs	24 hrs	✖ EHTR-FM

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	278023	1	20	5.0	5.0	✓
Ammonia by Fluorescence	E298	281828	1	15	6.6	5.0	✓
Chloride in Water by IC	E235.Cl	277992	2	26	7.6	5.0	✓
Conductivity in Water	E100	278022	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	277928	1	13	7.6	5.0	✓
Fluoride in Water by IC	E235.F	277990	2	26	7.6	5.0	✓
Nitrate in Water by IC	E235.NO3	277988	2	29	6.9	5.0	✓
Nitrite in Water by IC	E235.NO2	277989	2	29	6.9	5.0	✓
pH by Meter	E108	278024	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	277991	3	53	5.6	5.0	✓
Total Cyanide by CFA	E333	283303	1	20	5.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	281826	1	13	7.6	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	281827	1	9	11.1	5.0	✓
WAD Cyanide by CFA	E336	283304	1	5	20.0	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	278023	1	20	5.0	5.0	✓
Ammonia by Fluorescence	E298	281828	1	15	6.6	5.0	✓
Chloride in Water by IC	E235.Cl	277992	2	26	7.6	5.0	✓
Conductivity in Water	E100	278022	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	277928	1	13	7.6	5.0	✓
Fluoride in Water by IC	E235.F	277990	2	26	7.6	5.0	✓
Nitrate in Water by IC	E235.NO3	277988	2	29	6.9	5.0	✓
Nitrite in Water by IC	E235.NO2	277989	2	29	6.9	5.0	✓
pH by Meter	E108	278024	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	277991	3	53	5.6	5.0	✓
Total Cyanide by CFA	E333	283303	1	20	5.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	281826	1	13	7.6	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	281827	1	9	11.1	5.0	✓
WAD Cyanide by CFA	E336	283304	1	5	20.0	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	278023	1	20	5.0	5.0	✓
Ammonia by Fluorescence	E298	281828	1	15	6.6	5.0	✓
Chloride in Water by IC	E235.Cl	277992	2	26	7.6	5.0	✓
Conductivity in Water	E100	278022	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	277928	1	13	7.6	5.0	✓
Fluoride in Water by IC	E235.F	277990	2	26	7.6	5.0	✓
Nitrate in Water by IC	E235.NO3	277988	2	29	6.9	5.0	✓

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Nitrite in Water by IC	E235.NO2	277989	2	29	6.9	5.0	✓
Sulfate in Water by IC	E235.SO4	277991	3	53	5.6	5.0	✓
Total Cyanide by CFA	E333	283303	1	20	5.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	281826	1	13	7.6	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	281827	1	9	11.1	5.0	✓
WAD Cyanide by CFA	E336	283304	1	5	20.0	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	281828	1	15	6.6	5.0	✓
Chloride in Water by IC	E235.Cl	277992	2	26	7.6	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	277928	1	13	7.6	5.0	✓
Fluoride in Water by IC	E235.F	277990	2	26	7.6	5.0	✓
Nitrate in Water by IC	E235.NO3	277988	2	29	6.9	5.0	✓
Nitrite in Water by IC	E235.NO2	277989	2	29	6.9	5.0	✓
Sulfate in Water by IC	E235.SO4	277991	3	53	5.6	5.0	✓
Total Cyanide by CFA	E333	283303	1	20	5.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	281826	1	13	7.6	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	281827	1	9	11.1	5.0	✓
WAD Cyanide by CFA	E336	283304	1	5	20.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Vancouver - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Vancouver - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Cyanide by CFA	E333 Vancouver - Environmental	Water	ISO 14403 (mod)	Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.
WAD Cyanide by CFA	E336 Vancouver - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U Vancouver - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	“Hardness (as CaCO3), dissolved” is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in $CaCO_3$ equivalents. “Total Hardness” refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Vancouver - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Vancouver - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Digestion for Total Phosphorus in water	EP372 Vancouver - Environmental	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.

QUALITY CONTROL REPORT

Work Order	: **SK2103098**	Page	: 1 of 14
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 26-Aug-2021 16:51
PO	: ----	Date Analysis Commenced	: 27-Aug-2021
C-O-C number	: ----	Issue Date	: 08-Sep-2021 16:17
Sampler	: Client		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Cindy Tang	Team Leader - Inorganics	Inorganics, Burnaby, British Columbia
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Lindsay Gung	Supervisor - Water Chemistry	Inorganics, Burnaby, British Columbia
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Miles Gropen	Department Manager - Inorganics	Inorganics, Burnaby, British Columbia
Nancy Cruse	Laboratory _ Supervisor	Inorganics, Saskatoon, Saskatchewan

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 278022)											
RG2100399-001	Anonymous	conductivity	----	E100	2.0	µS/cm	3630	3620	0.276%	10%	----
Physical Tests (QC Lot: 278023)											
RG2100399-001	Anonymous	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	469	471	0.378%	20%	----
Physical Tests (QC Lot: 278024)											
RG2100399-001	Anonymous	pH	----	E108	0.10	pH units	8.18	8.18	0.00%	3%	----
Anions and Nutrients (QC Lot: 277988)											
RG2100404-001	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L	0.533	0.517	2.93%	20%	----
Anions and Nutrients (QC Lot: 277989)											
RG2100404-001	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L	<0.010	<0.010	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 277990)											
RG2100404-001	Anonymous	fluoride	16984-48-8	E235.F	0.020	mg/L	0.078	0.075	0.003	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 277991)											
RG2100404-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	16.1	15.7	2.26%	20%	----
Anions and Nutrients (QC Lot: 277992)											
RG2100404-001	Anonymous	chloride	16887-00-6	E235.Cl	0.50	mg/L	2.76	2.77	0.009	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 278170)											
SK2103098-008	02-IF-PAG_W32	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	159	155	2.44%	20%	----
Anions and Nutrients (QC Lot: 278171)											
SK2103098-008	02-IF-PAG_W32	fluoride	16984-48-8	E235.F	0.020	mg/L	0.298	0.295	1.02%	20%	----
Anions and Nutrients (QC Lot: 278172)											
SK2103098-008	02-IF-PAG_W32	nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L	<0.010	<0.010	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 278173)											
SK2103098-008	02-IF-PAG_W32	chloride	16887-00-6	E235.Cl	0.50	mg/L	6.79	6.65	2.19%	20%	----
Anions and Nutrients (QC Lot: 278174)											
SK2103098-008	02-IF-PAG_W32	nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L	<0.020	<0.020	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 278230)											
SK2103098-004	01_TSF_W37	sulfate (as SO4)	14808-79-8	E235.SO4	6.00	mg/L	2210	2240	1.32%	20%	----
Anions and Nutrients (QC Lot: 281826)											
CG2103614-003	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	0.050	mg/L	0.357	0.340	0.018	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 281827)											
SK2103098-003	01_TSF_W36	phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	<0.0020	<0.0020	0	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Anions and Nutrients (QC Lot: 281828)											
KS2102729-001	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	<0.0050	<0.0050	0	Diff <2x LOR	----
Cyanides (QC Lot: 283303)											
SK2103098-003	01_TSF_W36	cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L	0.0613	0.0597	2.71%	20%	----
Cyanides (QC Lot: 283304)											
SK2103098-003	01_TSF_W36	cyanide, weak acid dissociable	----	E336	0.0100	mg/L	0.0117	<0.0100	0.0017	Diff <2x LOR	----
Dissolved Metals (QC Lot: 277928)											
SK2103096-001	Anonymous	aluminum, dissolved	7429-90-5	E421	0.0010	mg/L	0.0058	0.0055	0.0003	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.00010	mg/L	0.00045	0.00044	0.000009	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00010	mg/L	0.00340	0.00341	0.437%	20%	----
		barium, dissolved	7440-39-3	E421	0.00010	mg/L	0.0332	0.0336	1.23%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.010	mg/L	0.679	0.697	2.64%	20%	----
		cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L	0.0000065	<0.0000050	0.0000015	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	0.050	mg/L	38.7	39.4	1.77%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000010	mg/L	0.000235	0.000234	0.252%	20%	----
		chromium, dissolved	7440-47-3	E421	0.00050	mg/L	0.0102	0.0102	0.158%	20%	----
		cobalt, dissolved	7440-48-4	E421	0.00010	mg/L	0.00013	0.00013	0.000002	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00020	mg/L	0.00205	0.00202	1.40%	20%	----
		iron, dissolved	7439-89-6	E421	0.030	mg/L	<0.030	<0.030	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0010	mg/L	0.0502	0.0497	0.869%	20%	----
		magnesium, dissolved	7439-95-4	E421	0.0050	mg/L	44.7	42.7	4.38%	20%	----
		manganese, dissolved	7439-96-5	E421	0.00500	mg/L	0.0103	0.0104	0.00009	Diff <2x LOR	----
		molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L	0.0169	0.0167	0.904%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00050	mg/L	0.00189	0.00191	0.00001	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	0.050	mg/L	0.072	0.081	0.009	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	0.050	mg/L	78.5	77.4	1.32%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00020	mg/L	0.0928	0.0938	1.15%	20%	----
		selenium, dissolved	7782-49-2	E421	0.000050	mg/L	0.00111	0.00112	1.51%	20%	----
		silicon, dissolved	7440-21-3	E421	0.050	mg/L	7.79	7.71	0.995%	20%	----
		silver, dissolved	7440-22-4	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	0.050	mg/L	232	226	2.64%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00020	mg/L	0.214	0.212	1.13%	20%	----
		sulfur, dissolved	7704-34-9	E421	0.50	mg/L	116	112	3.49%	20%	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 277928) - continued											
SK2103096-001	Anonymous	tellurium, dissolved	13494-80-9	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000010	mg/L	0.000015	0.000014	0.0000006	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00010	mg/L	0.00069	0.00070	0.000003	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000010	mg/L	0.0101	0.0100	1.01%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00050	mg/L	0.0218	0.0218	0.338%	20%	----
		zinc, dissolved	7440-66-6	E421	0.0050	mg/L	0.801	0.803	0.249%	20%	----
		zirconium, dissolved	7440-67-7	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 278022)						
conductivity	----	E100	1	µS/cm	<1.0	----
Physical Tests (QCLot: 278023)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 277988)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 277989)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 277990)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 277991)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 277992)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 278170)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 278171)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 278172)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 278173)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 278174)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 278230)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 281826)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 281827)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Anions and Nutrients (QCLot: 281828)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Cyanides (QCLot: 283303)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Cyanides (QCLot: 283304)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 277928)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 277928) - continued						
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 278022)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	99.5	90.0	110	----
Physical Tests (QCLot: 278023)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	97.6	85.0	115	----
Physical Tests (QCLot: 278024)									
pH	----	E108	----	pH units	6.86 pH units	99.6	98.0	102	----
Anions and Nutrients (QCLot: 277988)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	98.7	90.0	110	----
Anions and Nutrients (QCLot: 277989)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	93.3	90.0	110	----
Anions and Nutrients (QCLot: 277990)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 277991)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 277992)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	99.2	90.0	110	----
Anions and Nutrients (QCLot: 278170)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 278171)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 278172)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	99.8	90.0	110	----
Anions and Nutrients (QCLot: 278173)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 278174)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	100	90.0	110	----
Anions and Nutrients (QCLot: 278230)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 281826)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	91.6	75.0	125	----
Anions and Nutrients (QCLot: 281827)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	0.05 mg/L	94.5	80.0	120	----
Anions and Nutrients (QCLot: 281828)									

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Anions and Nutrients (QCLot: 281828) - continued									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	97.3	85.0	115	----
Cyanides (QCLot: 283303)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	92.7	80.0	120	----
Cyanides (QCLot: 283304)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	96.4	80.0	120	----
Dissolved Metals (QCLot: 277928)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	106	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	102	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	102	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	102	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	97.9	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	100	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	87.0	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	106	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	100	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	102	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	101	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	105	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	102	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	111	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	96.3	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	95.0	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	105	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	102	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	104	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	101	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	108	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	105	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	111	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	95.7	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	101	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	105	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	106	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	102	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	106	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	97.6	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 277928) - continued									
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	94.2	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	93.3	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	95.4	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	102	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	93.8	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	91.2	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	104	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	98.5	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	106	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 277988)										
RG2100404-002	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	2.50 mg/L	2.5 mg/L	100	75.0	125	----
Anions and Nutrients (QCLot: 277989)										
RG2100404-002	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.495 mg/L	0.5 mg/L	99.0	75.0	125	----
Anions and Nutrients (QCLot: 277990)										
RG2100404-002	Anonymous	fluoride	16984-48-8	E235.F	0.970 mg/L	1 mg/L	97.0	75.0	125	----
Anions and Nutrients (QCLot: 277991)										
RG2100404-002	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	101 mg/L	100 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 277992)										
RG2100404-002	Anonymous	chloride	16887-00-6	E235.Cl	99.7 mg/L	100 mg/L	99.7	75.0	125	----
Anions and Nutrients (QCLot: 278170)										
SK2103098-008	02-IF-PAG_W32	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 278171)										
SK2103098-008	02-IF-PAG_W32	fluoride	16984-48-8	E235.F	0.958 mg/L	1 mg/L	95.8	75.0	125	----
Anions and Nutrients (QCLot: 278172)										
SK2103098-008	02-IF-PAG_W32	nitrite (as N)	14797-65-0	E235.NO2	0.502 mg/L	0.5 mg/L	100	75.0	125	----
Anions and Nutrients (QCLot: 278173)										
SK2103098-008	02-IF-PAG_W32	chloride	16887-00-6	E235.Cl	102 mg/L	100 mg/L	102	75.0	125	----
Anions and Nutrients (QCLot: 278174)										
SK2103098-008	02-IF-PAG_W32	nitrate (as N)	14797-55-8	E235.NO3	2.53 mg/L	2.5 mg/L	101	75.0	125	----
Anions and Nutrients (QCLot: 278230)										
SK2103098-004	01_TSF_W37	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	90.0	110	----
Anions and Nutrients (QCLot: 281826)										
KS2102729-001	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	2.37 mg/L	2.5 mg/L	94.7	70.0	130	----
Anions and Nutrients (QCLot: 281827)										
SK2103098-008	02-IF-PAG_W32	phosphorus, total	7723-14-0	E372-U	0.0491 mg/L	0.05 mg/L	98.3	70.0	130	----
Anions and Nutrients (QCLot: 281828)										
KS2102729-002	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.101 mg/L	0.1 mg/L	101	75.0	125	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Cyanides (QCLot: 283303)										
VA21B8212-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.188 mg/L	0.25 mg/L	75.4	75.0	125	----
Cyanides (QCLot: 283304)										
VA21B8212-001	Anonymous	cyanide, weak acid dissociable	----	E336	0.595 mg/L	0.625 mg/L	95.2	75.0	125	----
Dissolved Metals (QCLot: 277928)										
SK2103096-002	Anonymous	aluminum, dissolved	7429-90-5	E421	0.213 mg/L	0.2 mg/L	107	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0203 mg/L	0.02 mg/L	101	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0207 mg/L	0.02 mg/L	104	70.0	130	----
		barium, dissolved	7440-39-3	E421	0.0208 mg/L	0.02 mg/L	104	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0395 mg/L	0.04 mg/L	98.8	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00890 mg/L	0.01 mg/L	89.0	70.0	130	----
		boron, dissolved	7440-42-8	E421	ND mg/L	0.1 mg/L	ND	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00402 mg/L	0.004 mg/L	100	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.0105 mg/L	0.01 mg/L	105	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0390 mg/L	0.04 mg/L	97.4	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0195 mg/L	0.02 mg/L	97.5	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0183 mg/L	0.02 mg/L	91.6	70.0	130	----
		iron, dissolved	7439-89-6	E421	1.96 mg/L	2 mg/L	98.3	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0182 mg/L	0.02 mg/L	91.2	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.0885 mg/L	0.1 mg/L	88.5	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	0.0198 mg/L	0.02 mg/L	98.8	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0373 mg/L	0.04 mg/L	93.2	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	11.8 mg/L	10 mg/L	118	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0404 mg/L	0.04 mg/L	101	70.0	130	----
		silicon, dissolved	7440-21-3	E421	ND mg/L	10 mg/L	ND	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00393 mg/L	0.004 mg/L	98.3	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	23.2 mg/L	20 mg/L	116	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0383 mg/L	0.04 mg/L	95.8	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00349 mg/L	0.004 mg/L	87.2	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0193 mg/L	0.02 mg/L	96.7	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 277928) - continued										
SK2103096-002	Anonymous	tin, dissolved	7440-31-5	E421	0.0194 mg/L	0.02 mg/L	97.2	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0423 mg/L	0.04 mg/L	106	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0192 mg/L	0.02 mg/L	95.9	70.0	130	----
		uranium, dissolved	7440-61-1	E421	0.00352 mg/L	0.004 mg/L	88.1	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.109 mg/L	0.1 mg/L	109	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.378 mg/L	0.4 mg/L	94.5	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0451 mg/L	0.04 mg/L	113	70.0	130	----

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number:

Page

Environmental Division Saskatoon

Work Order Reference SK2103098

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax: jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax: jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact your AM to

Regular [R] ☑ Standard TAT if received by 3 pm

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business | Same Day, | (Laboratory

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selected, you will be contacted.

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	
ALS Lab Work Order # (lab use only):	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Contact: | Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	F/P	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	01_TSF_W34	5-Aug-21	15:10	Leachate	1				R							Y
	01_TSF_W35	12-Aug-21	9:15	Leachate	1				R							Y
	01_TSF_W36	20-Aug-21	10:55	Leachate	4		R	R		R	R	R	R	R		Y
	01_TSF_W37	26-Aug-21	13:30	Leachate	1				R							Y
	02-IF-PAG_W29	5-Aug-21	15:10	Leachate	1				R							Y
	02-IF-PAG_W30	12-Aug-21	9:15	Leachate	1				R							Y
	02-IF-PAG_W31	20-Aug-21	10:55	Leachate	1				R							Y
	02-IF-PAG_W32	26-Aug-21	13:30	Leachate	3		R	R				R	R	R		Y
	03-SED-PAG_W29	5-Aug-21	15:10	Leachate	1				R							Y
	03-SED-PAG_W30	12-Aug-21	9:15	Leachate	1				R							Y
	03-SED-PAG_W31	20-Aug-21	10:55	Leachate	1				R							Y
	03-SED-PAG_W32	26-Aug-21	13:30	Leachate	3		R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C	FINAL COOLER TEMPERATURES °C
14.0	

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: August 26, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by: ME3	Date: 26/8/21	Time: 4:51

FINAL SHIPMENT RECEPTION (lab use only)

Received by: ME3	Date: 27/8/21	Time: 8:56

NOV 2016 FRONT

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form.**

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Page 1 of

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2
Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2

Oil and Gas Required Fields (client use)

AFE/Cost Center: PO#
Major/Minor Code: Routing Code:
Requisitioner:
Location:

Project Information

ALS Account # / Quote #: Q83455
Job #: 948-021
PO / AFE:
LSD:

ALS Lab Work Order # (lab use only):

ALS Contact: **Sampler:**

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P										
	04-GAB-NPAG_W29	5-Aug-21	15:10	Leachate	1				R							Y
	04-GAB-NPAG_W30	12-Aug-21	9:15	Leachate	1				R							Y
	04-GAB-NPAG_W31	20-Aug-21	10:55	Leachate	1				R							Y
	04-GAB-NPAG_W32	26-Aug-21	13:30	Leachate	3		R	R				R	R	R		Y
	05-SED-NPAG_W29	5-Aug-21	15:10	Leachate	1				R							Y
	05-SED-NPAG_W30	12-Aug-21	9:15	Leachate	1				R							Y
	05-SED-NPAG_W31	20-Aug-21	10:55	Leachate	1				R							Y
	05-SED-NPAG_W32	26-Aug-21	13:30	Leachate	3		R	R				R	R	R		Y
	06-IF-NPAG_W29	5-Aug-21	15:10	Leachate	1				R							Y
	06-IF-NPAG_W30	12-Aug-21	9:15	Leachate	1				R							Y
	06-IF-NPAG_W31	20-Aug-21	10:55	Leachate	1				R							Y
	06-IF-NPAG_W32	26-Aug-21	13:30	Leachate	3		R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO

Are samples for human consumption/ use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐
Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	26-Aug-21	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2018 FRONT

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www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Page 1 of

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City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution	
Select Report Format:	☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report	☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked	
Select Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax	jrobertson@okc-sk.com
Email 2	
Email 3	

Invoice Distribution	
Select Invoice Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax	jrobertson@okc-sk.com
Email 2	

Oil and Gas Required Fields (client use)	
AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

Project Information	
ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	
ALS Lab Work Order # (lab use only):	
ALS Contact:	Sampler:

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PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P										
	07-IF-PAG-CW_W29	5-Aug-21	15:10	Leachate	1				R							Y
	07-IF-PAG-CW_W30	12-Aug-21	9:15	Leachate	1				R							Y
	07-IF-PAG-CW_W31	20-Aug-21	10:55	Leachate	1				R							Y
	07-IF-PAG-CW_W32	26-Aug-21	13:30	Leachate	3		R	R				R	R	R		Y
	08-SED-PAG-CW_W29	5-Aug-21	15:10	Leachate	1				R							Y
	08-SED-PAG-CW_W30	12-Aug-21	9:15	Leachate	1				R							Y
	08-SED-PAG-CW_W31	20-Aug-21	10:55	Leachate	1				R							Y
	08-SED-PAG-CW_W32	26-Aug-21	13:30	Leachate	3		R	R				R	R	R		Y
	09-FZONE-NPAG_W29	5-Aug-21	15:10	Leachate	1				R							Y
	09-FZONE-NPAG_W30	12-Aug-21	9:15	Leachate	1				R							Y
	09-FZONE-NPAG_W31	20-Aug-21	10:55	Leachate	1				R							Y
	09-FZONE-NPAG_W32	26-Aug-21	13:30	Leachate	3		R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ YES ☑ NO

Are samples for human consumption/ use? ☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: August 26, 2021	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

NOV 2018 FRONT

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2104022**	Page	: 1 of 26
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 23-Sep-2021 15:45
PO	: ----	Date Analysis Commenced	: 24-Sep-2021
C-O-C number	: ----	Issue Date	: 15-Oct-2021 14:58
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Anthony Calero	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Dwayne Bennett	Technical Specialist	Metals, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
IB:INT	*Ion Balance Reviewed: Imbalance is due to interference or non-measured component.*
RRV	*Reported result verified by repeat analysis.*

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W38	01_TSF_W39	01_TSF_W40	01_TSF_W41	02-IF-PAG_W33
					Client sampling date / time	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50
						SK2104022-001	SK2104022-002	SK2104022-003	SK2104022-004	SK2104022-005
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	1480	----	----
conductivity	----	E100	2.0	µS/cm		----	----	3460	----	----
pH	----	E108	0.10	pH units		----	----	8.17	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	234	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	192	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	3110	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	15.9	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		2110	2040	2050	1970	156
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	14.0	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	33.8	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<0.400 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	1.40	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<0.200 DLDS	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	1.40	----	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		----	----	0.167	----	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		----	----	0.0051	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	47.6	----	----
cation sum	----	EC101	0.10	meq/L		----	----	42.5	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	5.66 IB:INT	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	89.3 IB:INT	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	0.0092	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00429	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.234	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0329	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W38	01_TSF_W39	01_TSF_W40	01_TSF_W41	02-IF-PAG_W33
					Client sampling date / time	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50
						SK2104022-001	SK2104022-002	SK2104022-003	SK2104022-004	SK2104022-005
						Result	Result	Result	Result	Result
Dissolved Metals										
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000100 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000250 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.909	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.0000662	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	494	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	<0.000050 DLDS	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.00250 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	0.0154	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00105	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.150 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.000250 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.0057	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	61.0	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	1.02	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.177	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.00252	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.250 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	110	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.0147	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.0100	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	6.69	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	<0.000050 DLDS	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	203	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	1.58	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	666	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00100 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	0.000072	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00050 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00256	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00150 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.00050 DLDS	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W38	01_TSF_W39	01_TSF_W40	01_TSF_W41	02-IF-PAG_W33
					Client sampling date / time	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50
						SK2104022-001	SK2104022-002	SK2104022-003	SK2104022-004	SK2104022-005
						Result	Result	Result	Result	Result
Dissolved Metals										
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00368	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00250 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	<0.0050 DLDS	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00150 DLDS	----	----
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W34	02-IF-PAG_W35	02-IF-PAG_W36	03-SED-PAG_W33	03-SED-PAG_W34
					Client sampling date / time	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35
						SK2104022-006	SK2104022-007	SK2104022-008	SK2104022-009	SK2104022-010
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	124	----	----
conductivity	----	E100	2.0	µS/cm		----	----	402	----	----
pH	----	E108	0.10	pH units		----	----	7.85	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	83.0	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	68.0	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	248	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	0.0336	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		143	123	118	86.5	81.9
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	<0.200	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	6.44	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	0.251	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<0.020	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<0.010	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<0.0500	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	4.01	----	----
cation sum	----	EC101	0.10	meq/L		----	----	3.72	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	3.75	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	92.8	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	0.0188	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	0.00397	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	0.00047	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.0354	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.000020	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.000050	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	0.083	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.0000056	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W34	02-IF-PAG_W35	02-IF-PAG_W36	03-SED-PAG_W33	03-SED-PAG_W34
					Client sampling date / time	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35
						SK2104022-006	SK2104022-007	SK2104022-008	SK2104022-009	SK2104022-010
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	30.9	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.000028	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.00050	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.00010	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	0.00079	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<0.030	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.000050	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.0112	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	11.5	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	<0.00500	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	0.00206	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	<0.00050	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<0.050	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	9.22	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.00670	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	0.000148	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	3.12	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	<0.000010	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	22.9	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	0.198	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	40.8	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.00020	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	0.000010	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.00010	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	0.00540	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.00030	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	0.00162	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.00419	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.00050	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.0101	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.00030	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	02-IF-PAG_W34	02-IF-PAG_W35	02-IF-PAG_W36	03-SED-PAG_W33	03-SED-PAG_W34
					Client sampling date / time	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35
						SK2104022-006	SK2104022-007	SK2104022-008	SK2104022-009	SK2104022-010
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W35	03-SED-PAG_W36	04-GAB-NPAG_W33	04-GAB-NPAG_W34	04-GAB-NPAG_W35
					Client sampling date / time	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50
						SK2104022-011	SK2104022-012	SK2104022-013	SK2104022-014	SK2104022-015
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	120	----	----	----
conductivity	----	E100	2.0	µS/cm		----	481	----	----	----
pH	----	E108	0.10	pH units		----	7.94	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	101	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	82.6	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	198	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	<0.0050	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		78.0	73.9	57.0	51.1	50.9
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	<0.200	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	5.27	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	0.447	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<0.020	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<0.010	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<0.0500	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	3.36	----	----	----
cation sum	----	EC101	0.10	meq/L		----	3.10	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	4.02	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	92.3	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.0286	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	0.00246	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	0.00426	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.0237	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.000020	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.000050	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	0.066	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.0000071	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	03-SED-PAG_W35	03-SED-PAG_W36	04-GAB-NPAG_W33	04-GAB-NPAG_W34	04-GAB-NPAG_W35
					Client sampling date / time	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50
						SK2104022-011	SK2104022-012	SK2104022-013	SK2104022-014	SK2104022-015
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	28.4	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.000019	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.00050	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	<0.00010	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	0.00073	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<0.030	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.000050	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.0141	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	12.0	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.00500	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.00895	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	<0.00050	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<0.050	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	9.09	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.00281	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	0.000624	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	3.08	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	<0.000010	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	10.6	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	0.144	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	24.6	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.00020	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	0.000013	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.00010	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	0.00357	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.00030	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	0.00020	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.00623	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.00050	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	0.0080	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.00030	----	----	----

Analytical Results

Sub-Matrix: **Water** (Matrix: **Water**)					Client sample ID	03-SED-PAG_W35	03-SED-PAG_W36	04-GAB-NPAG_W33	04-GAB-NPAG_W34	04-GAB-NPAG_W35
					Client sampling date / time	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*		**SK2104022-011**	**SK2104022-012**	**SK2104022-013**	**SK2104022-014**	**SK2104022-015**
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W36	05-SED-NPAG_W33	05-SED-NPAG_W34	05-SED-NPAG_W35	05-SED-NPAG_W36
					Client sampling date / time	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00
						SK2104022-016	SK2104022-017	SK2104022-018	SK2104022-019	SK2104022-020
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		46.6	----	----	----	80.9
conductivity	----	E100	2.0	µS/cm		337	----	----	----	255
pH	----	E108	0.10	pH units		8.13	----	----	----	7.94
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		141	----	----	----	93.9
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	<1.0
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	<1.0
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		116	----	----	----	77.0
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		201	----	----	----	149
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		<0.0050	----	----	----	0.0180
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		45.4	45.0	43.2	42.3	39.9
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		<0.200	----	----	----	<0.200
chloride	16887-00-6	E235.Cl	0.50	mg/L		6.16	----	----	----	5.53
fluoride	16984-48-8	E235.F	0.020	mg/L		0.319	----	----	----	0.540
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020	----	----	----	<0.020
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010	----	----	----	0.017
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	<0.0500
Ion Balance										
anion sum	----	EC101	0.10	meq/L		3.45	----	----	----	2.56
cation sum	----	EC101	0.10	meq/L		3.26	----	----	----	2.44
ion balance (cation-anion difference)	----	EC101	0.010	%		2.83	----	----	----	2.40
ion balance (cations/anions ratio)	----	EC101	0.010	%		94.5	----	----	----	95.3
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0441	----	----	----	0.0513
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00303	----	----	----	0.00352
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.0188	----	----	----	0.172
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0164	----	----	----	0.0177
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	<0.000020
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.084	----	----	----	0.077
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	0.0000076

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W36	05-SED-NPAG_W33	05-SED-NPAG_W34	05-SED-NPAG_W35	05-SED-NPAG_W36
					Client sampling date / time	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00
						SK2104022-016	SK2104022-017	SK2104022-018	SK2104022-019	SK2104022-020
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		12.1	----	----	----	19.7
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		0.000144	----	----	----	0.000033
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00050	----	----	----	<0.00050
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.00017	----	----	----	0.00010
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00114	----	----	----	0.00085
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	<0.030
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	<0.000050
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0132	----	----	----	0.0099
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		3.98	----	----	----	7.70
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.0133	----	----	----	<0.00500
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00234	----	----	----	0.00338
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		<0.00050	----	----	----	0.00058
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	<0.050
potassium, dissolved	7440-09-7	E421	0.050	mg/L		5.53	----	----	----	7.36
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00296	----	----	----	0.00230
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.000454	----	----	----	0.000198
silicon, dissolved	7440-21-3	E421	0.050	mg/L		2.98	----	----	----	2.92
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	<0.000010
sodium, dissolved	17341-25-2	E421	0.050	mg/L		50.2	----	----	----	14.4
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0422	----	----	----	0.0908
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		15.7	----	----	----	13.7
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	<0.00020
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000018	----	----	----	<0.000010
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	<0.00010
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.00603	----	----	----	0.00576
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00058	----	----	----	0.00037
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.0189	----	----	----	0.0102
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00398	----	----	----	0.00176
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0088	----	----	----	0.0055
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	<0.00030

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	04-GAB-NPAG_W36	05-SED-NPAG_W33	05-SED-NPAG_W34	05-SED-NPAG_W35	05-SED-NPAG_W36
					Client sampling date / time	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00
						SK2104022-016	SK2104022-017	SK2104022-018	SK2104022-019	SK2104022-020
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	Field

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W33	06-IF-NPAG_W34	06-IF-NPAG_W35	06-IF-NPAG_W36	07-IF-PAG-CW_W33
					Client sampling date / time	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50
						SK2104022-021	SK2104022-022	SK2104022-023	SK2104022-024	SK2104022-025
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	----	79.7	----
conductivity	----	E100	2.0	µS/cm		----	----	----	298	----
pH	----	E108	0.10	pH units		----	----	----	8.00	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	----	106	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	----	87.3	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	----	176	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	<0.0050	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		52.9	50.2	49.6	45.7	2910
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	----	<0.200	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	----	5.81	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	----	0.324	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	----	<0.020	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	----	<0.010	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	----	<0.0500	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	----	2.88	----
cation sum	----	EC101	0.10	meq/L		----	----	----	2.77	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	----	1.95	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	----	96.2	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0142	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.0126	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.00108	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0309	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000050	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.088	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	<0.0000050	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W33	06-IF-NPAG_W34	06-IF-NPAG_W35	06-IF-NPAG_W36	07-IF-PAG-CW_W33
					Client sampling date / time	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50
						SK2104022-021	SK2104022-022	SK2104022-023	SK2104022-024	SK2104022-025
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	----	21.1	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	0.000024	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	<0.00010	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00061	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	----	<0.030	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0190	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	----	6.56	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	----	<0.00500	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.00330	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.050	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	----	20.0	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.0172	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.000134	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	3.22	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	----	15.3	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	0.256	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	15.7	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00010	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00562	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	0.00069	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.00392	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0049	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00030	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	06-IF-NPAG_W33	06-IF-NPAG_W34	06-IF-NPAG_W35	06-IF-NPAG_W36	07-IF-PAG-CW_W33
					Client sampling date / time	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50
						SK2104022-021	SK2104022-022	SK2104022-023	SK2104022-024	SK2104022-025
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		----	----	----	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W34	07-IF-PAG-CW_W35	07-IF-PAG-CW_W36	08-SED-PAG-CW_W33	08-SED-PAG-CW_W34
					Client sampling date / time	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35
						SK2104022-026	SK2104022-027	SK2104022-028	SK2104022-029	SK2104022-030
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	13300	----	----
conductivity	----	E100	2.0	µS/cm		----	----	78200	----	----
pH	----	E108	0.10	pH units		----	----	7.47	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	80.5	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	<1.0	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	66.0	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	56200	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	4.23 RRV	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		2850	3560	2900	2590	2730
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	2.29	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	32700	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	<10.0 DLDS	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	<10.0 DLDS	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	<5.00 DLDS	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	<11.2	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	984	----	----
cation sum	----	EC101	0.10	meq/L		----	----	984	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	<0.010	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	100	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	<0.100 DLDS	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	0.171	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	<0.00200 DLDS	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	1.21	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	0.00104	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W34	07-IF-PAG-CW_W35	07-IF-PAG-CW_W36	08-SED-PAG-CW_W33	08-SED-PAG-CW_W34
					Client sampling date / time	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35
						SK2104022-026	SK2104022-027	SK2104022-028	SK2104022-029	SK2104022-030
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	1650	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	0.0176	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	<0.0500 DLDS	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	<0.0200 DLDS	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	<3.00 DLDS	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	0.310	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	2230	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	0.636	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	0.0957	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	<5.00 DLDS	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	522	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	0.396	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	<0.00500 DLDS	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	<5.00 DLDS	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	0.00130	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	16200	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	40.8	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	1240	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	<0.0200 DLDS	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	<0.00100 DLDS	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	<0.0300 DLDS	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	<0.0100 DLDS	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	0.0128	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	<0.0500 DLDS	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	0.160	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	<0.0300 DLDS	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	07-IF-PAG-CW_W34	07-IF-PAG-CW_W35	07-IF-PAG-CW_W36	08-SED-PAG-CW_W33	08-SED-PAG-CW_W34
					Client sampling date / time	09-Sep-2021 15:35	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35
						SK2104022-026	SK2104022-027	SK2104022-028	SK2104022-029	SK2104022-030
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		----	----	Field	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W35	08-SED-PAG-CW_W36	09-FZONE-NPAG_W33	09-FZONE-NPAG_W34	09-FZONE-NPAG_W35
					Client sampling date / time	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50
						SK2104022-031	SK2104022-032	SK2104022-033	SK2104022-034	SK2104022-035
						Result	Result	Result	Result	Result
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	13100	----	----	----
conductivity	----	E100	2.0	µS/cm		----	78300	----	----	----
pH	----	E108	0.10	pH units		----	7.36	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	52.2	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	<1.0	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	42.8	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	55500	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	4.43 RRV	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		2760	3210	31.2	28.1	30.8
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	1.10	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	31700	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	<10.0 DLDS	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	<10.0 DLDS	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	<5.00 DLDS	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	<11.2	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	962	----	----	----
cation sum	----	EC101	0.10	meq/L		----	980	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	0.927	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	102	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	0.105	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	0.158	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	<0.00200 DLDS	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	1.17	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	0.00412	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	08-SED-PAG-CW_W35	08-SED-PAG-CW_W36	09-FZONE-NPAG_W33	09-FZONE-NPAG_W34	09-FZONE-NPAG_W35
					Client sampling date / time	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50
						SK2104022-031	SK2104022-032	SK2104022-033	SK2104022-034	SK2104022-035
						Result	Result	Result	Result	Result
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	1630	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	0.0109	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	0.0373	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	<3.00 DLDS	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	0.269	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	2200	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	<0.500 DLDS	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	0.0148	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	0.131	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	499	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	0.204	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	<0.00500 DLDS	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	<5.00 DLDS	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	0.00152	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	16200	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	41.9	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	1210	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	<0.0200 DLDS	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	<0.00100 DLDS	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	<0.0100 DLDS	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	0.0192	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	<0.0500 DLDS	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	<0.100 DLDS	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	<0.0300 DLDS	----	----	----

Analytical Results

Sub-Matrix: **Water** (Matrix: **Water**)					Client sample ID	08-SED-PAG-CW_W35	08-SED-PAG-CW_W36	09-FZONE-NPAG_W33	09-FZONE-NPAG_W34	09-FZONE-NPAG_W35
					Client sampling date / time	17-Sep-2021 11:50	23-Sep-2021 12:00	02-Sep-2021 14:50	09-Sep-2021 15:35	17-Sep-2021 11:50
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*		**SK2104022-031**	**SK2104022-032**	**SK2104022-033**	**SK2104022-034**	**SK2104022-035**
						Result	Result	Result	Result	Result
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		----	Field	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W36	----	----	----	----
					Client sampling date / time	23-Sep-2021 12:00	----	----	----	----
						SK2104022-036	--------	--------	--------	--------
						Result	----	----	----	----
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		95.0	----	----	----	----
conductivity	----	E100	2.0	µS/cm		311	----	----	----	----
pH	----	E108	0.10	pH units		8.07	----	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		116	----	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		94.8	----	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		151	----	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		0.0399	----	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		29.6	----	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		<0.200	----	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		5.41	----	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		0.507	----	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		<0.020	----	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.010	----	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.0500	----	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		2.69	----	----	----	----
cation sum	----	EC101	0.10	meq/L		2.59	----	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		1.89	----	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		96.3	----	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0248	----	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00477	----	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.00221	----	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0215	----	----	----	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000020	----	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000050	----	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.070	----	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000050	----	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	09-FZONE-NPAG_W36	----	----	----	----
					Client sampling date / time	23-Sep-2021 12:00	----	----	----	----
						SK2104022-036	--------	--------	--------	--------
						Result	----	----	----	----
Dissolved Metals										
calcium, dissolved	7440-70-2	E421	0.050	mg/L		22.2	----	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		<0.000010	----	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00050	----	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		<0.00010	----	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00121	----	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		<0.030	----	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000050	----	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0051	----	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		9.62	----	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		<0.00500	----	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.00210	----	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		<0.00050	----	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.050	----	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		7.18	----	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.00104	----	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.000333	----	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		3.14	----	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000010	----	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		11.5	----	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		0.0570	----	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		10.6	----	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00020	----	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		<0.000010	----	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00010	----	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.0126	----	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00030	----	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00015	----	----	----	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		0.00179	----	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		0.00052	----	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		0.0016	----	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		<0.00030	----	----	----	----

Analytical Results

Sub-Matrix: **Water** (Matrix: **Water**)					Client sample ID	**09-FZONE-NPAG_W36**	----	----	----	----
					Client sampling date / time	23-Sep-2021 12:00	----	----	----	----
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*		**SK2104022-036**	--------	--------	--------	--------
						Result	----	----	----	----
Dissolved Metals										
dissolved metals filtration location	----	EP421	-	-		Field	----	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2104022**	Page	: 1 of 20
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 23-Sep-2021 15:45
PO	: ----	Issue Date	: 15-Oct-2021 14:58
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 02-IF-PAG_W36	E298	23-Sep-2021	13-Oct-2021	----	----		13-Oct-2021	28 days	20 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 03-SED-PAG_W36	E298	23-Sep-2021	13-Oct-2021	----	----		13-Oct-2021	28 days	20 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 04-GAB-NPAG_W36	E298	23-Sep-2021	13-Oct-2021	----	----		13-Oct-2021	28 days	20 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 05-SED-NPAG_W36	E298	23-Sep-2021	13-Oct-2021	----	----		13-Oct-2021	28 days	20 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 06-IF-NPAG_W36	E298	23-Sep-2021	13-Oct-2021	----	----		13-Oct-2021	28 days	20 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 07-IF-PAG-CW_W36	E298	23-Sep-2021	13-Oct-2021	----	----		13-Oct-2021	28 days	20 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 08-SED-PAG-CW_W36	E298	23-Sep-2021	13-Oct-2021	----	----		13-Oct-2021	28 days	20 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 09-FZONE-NPAG_W36	E298	23-Sep-2021	13-Oct-2021	----	----		13-Oct-2021	28 days	20 days	✓
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 01_TSF_W40	E298	17-Sep-2021	13-Oct-2021	----	----		13-Oct-2021	28 days	26 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 02-IF-PAG_W36	E235.Cl	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 03-SED-PAG_W36	E235.Cl	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 04-GAB-NPAG_W36	E235.Cl	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 05-SED-NPAG_W36	E235.Cl	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 06-IF-NPAG_W36	E235.Cl	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 07-IF-PAG-CW_W36	E235.Cl	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 08-SED-PAG-CW_W36	E235.Cl	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Chloride in Water by IC										
HDPE										
09-FZONE-NPAG_W36	E235.Cl	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
01_TSF_W40	E235.Cl	17-Sep-2021	----	----	----		24-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
02-IF-PAG_W36	E235.F	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
03-SED-PAG_W36	E235.F	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
04-GAB-NPAG_W36	E235.F	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
05-SED-NPAG_W36	E235.F	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
06-IF-NPAG_W36	E235.F	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
07-IF-PAG-CW_W36	E235.F	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
08-SED-PAG-CW_W36	E235.F	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
09-FZONE-NPAG_W36	E235.F	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
01_TSF_W40	E235.F	17-Sep-2021	----	----	----		24-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
02-IF-PAG_W36	E235.NO3	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
03-SED-PAG_W36	E235.NO3	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
04-GAB-NPAG_W36	E235.NO3	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
05-SED-NPAG_W36	E235.NO3	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
06-IF-NPAG_W36	E235.NO3	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
07-IF-PAG-CW_W36	E235.NO3	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
08-SED-PAG-CW_W36	E235.NO3	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
09-FZONE-NPAG_W36	E235.NO3	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
01_TSF_W40	E235.NO3	17-Sep-2021	----	----	----		24-Sep-2021	3 days	7 days	× EHTR
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
02-IF-PAG_W36	E235.NO2	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
03-SED-PAG_W36	E235.NO2	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
04-GAB-NPAG_W36	E235.NO2	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
05-SED-NPAG_W36	E235.NO2	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
06-IF-NPAG_W36	E235.NO2	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
07-IF-PAG-CW_W36	E235.NO2	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
08-SED-PAG-CW_W36	E235.NO2	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
09-FZONE-NPAG_W36	E235.NO2	23-Sep-2021	----	----	----		26-Sep-2021	3 days	3 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
01_TSF_W40	E235.NO2	17-Sep-2021	----	----	----		24-Sep-2021	3 days	7 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W35	E235.SO4	17-Sep-2021	----	----	----		29-Sep-2021	28 days	12 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W35	E235.SO4	17-Sep-2021	----	----	----		29-Sep-2021	28 days	12 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W35	E235.SO4	17-Sep-2021	----	----	----		29-Sep-2021	28 days	12 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W35	E235.SO4	17-Sep-2021	----	----	----		29-Sep-2021	28 days	12 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W39	E235.SO4	09-Sep-2021	----	----	----		24-Sep-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W34	E235.SO4	09-Sep-2021	----	----	----		24-Sep-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W34	E235.SO4	09-Sep-2021	----	----	----		24-Sep-2021	28 days	15 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W34	E235.SO4	09-Sep-2021	----	----	----		24-Sep-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W34	E235.SO4	09-Sep-2021	----	----	----		24-Sep-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W34	E235.SO4	09-Sep-2021	----	----	----		24-Sep-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W34	E235.SO4	09-Sep-2021	----	----	----		24-Sep-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W34	E235.SO4	09-Sep-2021	----	----	----		24-Sep-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W34	E235.SO4	09-Sep-2021	----	----	----		24-Sep-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W38	E235.SO4	02-Sep-2021	----	----	----		24-Sep-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W33	E235.SO4	02-Sep-2021	----	----	----		24-Sep-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W33	E235.SO4	02-Sep-2021	----	----	----		24-Sep-2021	28 days	22 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W33	E235.SO4	02-Sep-2021	----	----	----		24-Sep-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W33	E235.SO4	02-Sep-2021	----	----	----		24-Sep-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W33	E235.SO4	02-Sep-2021	----	----	----		24-Sep-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W33	E235.SO4	02-Sep-2021	----	----	----		24-Sep-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W33	E235.SO4	02-Sep-2021	----	----	----		24-Sep-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W33	E235.SO4	02-Sep-2021	----	----	----		24-Sep-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W36	E235.SO4	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W36	E235.SO4	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W36	E235.SO4	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W36	E235.SO4	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W36	E235.SO4	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W36	E235.SO4	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W36	E235.SO4	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W36	E235.SO4	23-Sep-2021	----	----	----		26-Sep-2021	28 days	3 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W41	E235.SO4	23-Sep-2021	----	----	----		29-Sep-2021	28 days	6 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W40	E235.SO4	17-Sep-2021	----	----	----		24-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W35	E235.SO4	17-Sep-2021	----	----	----		24-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W35	E235.SO4	17-Sep-2021	----	----	----		24-Sep-2021	28 days	7 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W35	E235.SO4	17-Sep-2021	----	----	----		24-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W35	E235.SO4	17-Sep-2021	----	----	----		24-Sep-2021	28 days	7 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
02-IF-PAG_W36	E318	23-Sep-2021	07-Oct-2021	----	----		07-Oct-2021	28 days	14 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
03-SED-PAG_W36	E318	23-Sep-2021	07-Oct-2021	----	----		07-Oct-2021	28 days	14 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
04-GAB-NPAG_W36	E318	23-Sep-2021	07-Oct-2021	----	----		07-Oct-2021	28 days	14 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
05-SED-NPAG_W36	E318	23-Sep-2021	07-Oct-2021	----	----		07-Oct-2021	28 days	14 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
06-IF-NPAG_W36	E318	23-Sep-2021	07-Oct-2021	----	----		07-Oct-2021	28 days	14 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
07-IF-PAG-CW_W36	E318	23-Sep-2021	07-Oct-2021	----	----		07-Oct-2021	28 days	14 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
08-SED-PAG-CW_W36	E318	23-Sep-2021	07-Oct-2021	----	----		07-Oct-2021	28 days	14 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
09-FZONE-NPAG_W36	E318	23-Sep-2021	07-Oct-2021	----	----		07-Oct-2021	28 days	14 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
01_TSF_W40	E318	17-Sep-2021	07-Oct-2021	----	----		07-Oct-2021	28 days	20 days	✓
Cyanides : Total Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W40	E333	17-Sep-2021	----	----	----		27-Sep-2021	14 days	10 days	✓
Cyanides : WAD Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W40	E336	17-Sep-2021	----	----	----		27-Sep-2021	14 days	10 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
01_TSF_W40	E421	17-Sep-2021	28-Sep-2021	----	----		28-Sep-2021	180 days	11 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
02-IF-PAG_W36	E421	23-Sep-2021	28-Sep-2021	----	----		28-Sep-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
03-SED-PAG_W36	E421	23-Sep-2021	28-Sep-2021	----	----		28-Sep-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
04-GAB-NPAG_W36	E421	23-Sep-2021	28-Sep-2021	----	----		28-Sep-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
05-SED-NPAG_W36	E421	23-Sep-2021	28-Sep-2021	----	----		28-Sep-2021	180 days	5 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 06-IF-NPAG_W36	E421	23-Sep-2021	28-Sep-2021	----	----		28-Sep-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 07-IF-PAG-CW_W36	E421	23-Sep-2021	28-Sep-2021	----	----		28-Sep-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 08-SED-PAG-CW_W36	E421	23-Sep-2021	28-Sep-2021	----	----		28-Sep-2021	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) 09-FZONE-NPAG_W36	E421	23-Sep-2021	28-Sep-2021	----	----		28-Sep-2021	180 days	5 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 02-IF-PAG_W36	E290	23-Sep-2021	----	----	----		24-Sep-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 03-SED-PAG_W36	E290	23-Sep-2021	----	----	----		24-Sep-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 04-GAB-NPAG_W36	E290	23-Sep-2021	----	----	----		24-Sep-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 05-SED-NPAG_W36	E290	23-Sep-2021	----	----	----		24-Sep-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE 06-IF-NPAG_W36	E290	23-Sep-2021	----	----	----		24-Sep-2021	14 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Alkalinity Species by Titration										
HDPE										
07-IF-PAG-CW_W36	E290	23-Sep-2021	----	----	----		24-Sep-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
08-SED-PAG-CW_W36	E290	23-Sep-2021	----	----	----		24-Sep-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
09-FZONE-NPAG_W36	E290	23-Sep-2021	----	----	----		24-Sep-2021	14 days	1 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
01_TSF_W40	E290	17-Sep-2021	----	----	----		24-Sep-2021	14 days	7 days	✓
Physical Tests : Conductivity in Water										
HDPE										
02-IF-PAG_W36	E100	23-Sep-2021	----	----	----		24-Sep-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
03-SED-PAG_W36	E100	23-Sep-2021	----	----	----		24-Sep-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
04-GAB-NPAG_W36	E100	23-Sep-2021	----	----	----		24-Sep-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
05-SED-NPAG_W36	E100	23-Sep-2021	----	----	----		24-Sep-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
06-IF-NPAG_W36	E100	23-Sep-2021	----	----	----		24-Sep-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Conductivity in Water										
HDPE 07-IF-PAG-CW_W36	E100	23-Sep-2021	----	----	----		24-Sep-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 08-SED-PAG-CW_W36	E100	23-Sep-2021	----	----	----		24-Sep-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 09-FZONE-NPAG_W36	E100	23-Sep-2021	----	----	----		24-Sep-2021	28 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE 01_TSF_W40	E100	17-Sep-2021	----	----	----		24-Sep-2021	28 days	7 days	✓
Physical Tests : pH by Meter										
HDPE 01_TSF_W40	E108	17-Sep-2021	----	----	----		24-Sep-2021	0.25 hrs	166 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 02-IF-PAG_W36	E108	23-Sep-2021	----	----	----		24-Sep-2021	0.25 hrs	22 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 03-SED-PAG_W36	E108	23-Sep-2021	----	----	----		24-Sep-2021	0.25 hrs	22 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 04-GAB-NPAG_W36	E108	23-Sep-2021	----	----	----		24-Sep-2021	0.25 hrs	22 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 05-SED-NPAG_W36	E108	23-Sep-2021	----	----	----		24-Sep-2021	0.25 hrs	22 hrs	× EHTR-FM

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE 06-IF-NPAG_W36	E108	23-Sep-2021	----	----	----		24-Sep-2021	0.25 hrs	22 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 07-IF-PAG-CW_W36	E108	23-Sep-2021	----	----	----		24-Sep-2021	0.25 hrs	22 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 08-SED-PAG-CW_W36	E108	23-Sep-2021	----	----	----		24-Sep-2021	0.25 hrs	22 hrs	× EHTR-FM
Physical Tests : pH by Meter										
HDPE 09-FZONE-NPAG_W36	E108	23-Sep-2021	----	----	----		24-Sep-2021	0.25 hrs	22 hrs	× EHTR-FM

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	300985	1	19	5.2	5.0	✓
Ammonia by Fluorescence	E298	318005	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	301832	2	34	5.8	5.0	✓
Conductivity in Water	E100	300984	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	301992	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	301830	2	31	6.4	5.0	✓
Nitrate in Water by IC	E235.NO3	301829	2	36	5.5	5.0	✓
Nitrite in Water by IC	E235.NO2	301828	2	36	5.5	5.0	✓
pH by Meter	E108	300983	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	301831	4	77	5.1	5.0	✓
Total Cyanide by CFA	E333	303738	1	20	5.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	312103	1	10	10.0	5.0	✓
WAD Cyanide by CFA	E336	303739	1	7	14.2	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	300985	1	19	5.2	5.0	✓
Ammonia by Fluorescence	E298	318005	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	301832	2	34	5.8	5.0	✓
Conductivity in Water	E100	300984	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	301992	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	301830	2	31	6.4	5.0	✓
Nitrate in Water by IC	E235.NO3	301829	2	36	5.5	5.0	✓
Nitrite in Water by IC	E235.NO2	301828	2	36	5.5	5.0	✓
pH by Meter	E108	300983	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	301831	4	77	5.1	5.0	✓
Total Cyanide by CFA	E333	303738	1	20	5.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	312103	1	10	10.0	5.0	✓
WAD Cyanide by CFA	E336	303739	1	7	14.2	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	300985	1	19	5.2	5.0	✓
Ammonia by Fluorescence	E298	318005	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	301832	2	34	5.8	5.0	✓
Conductivity in Water	E100	300984	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	301992	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	301830	2	31	6.4	5.0	✓
Nitrate in Water by IC	E235.NO3	301829	2	36	5.5	5.0	✓
Nitrite in Water by IC	E235.NO2	301828	2	36	5.5	5.0	✓
Sulfate in Water by IC	E235.SO4	301831	4	77	5.1	5.0	✓

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Total Cyanide by CFA	E333	303738	1	20	5.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	312103	1	10	10.0	5.0	✓
WAD Cyanide by CFA	E336	303739	1	7	14.2	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	318005	1	19	5.2	5.0	✓
Chloride in Water by IC	E235.Cl	301832	2	34	5.8	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	301992	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	301830	2	31	6.4	5.0	✓
Nitrate in Water by IC	E235.NO3	301829	2	36	5.5	5.0	✓
Nitrite in Water by IC	E235.NO2	301828	2	36	5.5	5.0	✓
Sulfate in Water by IC	E235.SO4	301831	4	77	5.1	5.0	✓
Total Cyanide by CFA	E333	303738	1	20	5.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	312103	1	10	10.0	5.0	✓
WAD Cyanide by CFA	E336	303739	1	7	14.2	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Calgary - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Cyanide by CFA	E333 Waterloo - Environmental	Water	ISO 14403 (mod)	Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.
WAD Cyanide by CFA	E336 Waterloo - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	"Hardness (as CaCO3), dissolved" is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in $CaCO_3$ equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Calgary - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO_3.

QUALITY CONTROL REPORT

Work Order	: **SK2104022**	Page	: 1 of 14
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 23-Sep-2021 15:45
PO	: ----	Date Analysis Commenced	: 24-Sep-2021
C-O-C number	: ----	Issue Date	: 15-Oct-2021 14:59
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 36		
No. of samples analysed	: 36		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Anthony Calero	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Dwayne Bennett	Technical Specialist	Metals, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Metals, Saskatoon, Saskatchewan
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 300983)											
SK2104004-012	Anonymous	pH	----	E108	0.10	pH units	8.63	8.64	0.0506%	3%	----
Physical Tests (QC Lot: 300984)											
SK2104004-012	Anonymous	conductivity	----	E100	2.0	µS/cm	2940	2950	0.340%	10%	----
Physical Tests (QC Lot: 300985)											
SK2104004-012	Anonymous	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	506	507	0.303%	20%	----
Anions and Nutrients (QC Lot: 301828)											
SK2103940-001	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L	<0.010	<0.010	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 301829)											
SK2103940-001	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L	0.794	0.790	0.519%	20%	----
Anions and Nutrients (QC Lot: 301830)											
SK2103940-001	Anonymous	fluoride	16984-48-8	E235.F	0.020	mg/L	0.047	0.048	0.002	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 301831)											
SK2103940-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	38.0	38.0	0.126%	20%	----
Anions and Nutrients (QC Lot: 301832)											
SK2103940-001	Anonymous	chloride	16887-00-6	E235.Cl	0.50	mg/L	15.4	15.1	1.76%	20%	----
Anions and Nutrients (QC Lot: 301840)											
SK2103648-002	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	95.1	94.9	0.160%	20%	----
Anions and Nutrients (QC Lot: 301960)											
RG2100558-001	Anonymous	fluoride	16984-48-8	E235.F	0.400	mg/L	<0.400	<0.400	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 301961)											
RG2100558-001	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.200	mg/L	<0.200	<0.200	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 301962)											
RG2100558-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	6.00	mg/L	3240	3230	0.275%	20%	----
Anions and Nutrients (QC Lot: 301963)											
RG2100558-001	Anonymous	chloride	16887-00-6	E235.Cl	10.0	mg/L	123	126	1.93%	20%	----
Anions and Nutrients (QC Lot: 301964)											
RG2100558-001	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	0.400	mg/L	1.51	1.45	0.054	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 304009)											
SK2104134-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L	5.26	5.31	0.912%	20%	----
Anions and Nutrients (QC Lot: 312103)											
SK2104022-008	02-IF-PAG_W36	Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L	<0.200	<0.200	0	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Anions and Nutrients (QC Lot: 318005)											
SK2104004-004	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L	0.297	0.269	9.86%	20%	----
Cyanides (QC Lot: 303738)											
VA21C0956-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.0250	mg/L	<0.0250	<0.0250	0	Diff <2x LOR	----
Cyanides (QC Lot: 303739)											
VA21C0956-001	Anonymous	cyanide, weak acid dissociable	----	E336	0.0250	mg/L	<0.0250	<0.0250	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 301992)											
RG2100556-001	Anonymous	aluminum, dissolved	7429-90-5	E421	0.0200	mg/L	0.104	0.0931	0.0114	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		barium, dissolved	7440-39-3	E421	0.00200	mg/L	0.0806	0.0790	2.02%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000400	mg/L	<0.000400	<0.000400	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.200	mg/L	0.806	0.816	0.010	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.000100	mg/L	0.00370	0.00365	1.34%	20%	----
		calcium, dissolved	7440-70-2	E421	1.00	mg/L	548	566	3.21%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000200	mg/L	0.000394	0.000369	0.000025	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00200	mg/L	0.151	0.148	2.07%	20%	----
		copper, dissolved	7440-50-8	E421	0.00400	mg/L	<0.00400	<0.00400	0	Diff <2x LOR	----
		iron, dissolved	7439-89-6	E421	0.600	mg/L	<0.600	<0.600	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0200	mg/L	6.45	6.11	5.38%	20%	----
		magnesium, dissolved	7439-95-4	E421	0.100	mg/L	1690	1640	3.43%	20%	----
		manganese, dissolved	7439-96-5	E421	0.100	mg/L	51.3	48.9	4.89%	20%	----
		molybdenum, dissolved	7439-98-7	E421	0.00100	mg/L	0.00349	0.00293	0.000557	Diff <2x LOR	----
		nickel, dissolved	7440-02-0	E421	0.0100	mg/L	0.425	0.410	3.65%	20%	----
		phosphorus, dissolved	7723-14-0	E421	1.00	mg/L	<1.00	<1.00	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	1.00	mg/L	48.1	46.8	2.80%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00400	mg/L	0.0616	0.0632	2.53%	20%	----
		selenium, dissolved	7782-49-2	E421	0.00100	mg/L	0.352	0.349	0.842%	20%	----
		silicon, dissolved	7440-21-3	E421	1.00	mg/L	9.44	9.25	0.192	Diff <2x LOR	----
		silver, dissolved	7440-22-4	E421	0.000200	mg/L	<0.000200	<0.000200	0	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	1.00	mg/L	2480	2310	6.96%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00400	mg/L	5.29	5.20	1.76%	20%	----
		sulfur, dissolved	7704-34-9	E421	10.0	mg/L	3450	3380	2.10%	20%	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 301992) - continued											
RG2100556-001	Anonymous	tellurium, dissolved	13494-80-9	E421	0.00400	mg/L	<0.00400	<0.00400	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000200	mg/L	0.000819	0.000748	0.000071	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.00600	mg/L	<0.00600	<0.00600	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000200	mg/L	0.0177	0.0177	0.186%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0200	mg/L	0.111	0.108	0.0031	Diff <2x LOR	----
		zirconium, dissolved	7440-67-7	E421	0.00600	mg/L	<0.00600	<0.00600	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 300984)						
conductivity	----	E100	1	µS/cm	1.3	----
Physical Tests (QCLot: 300985)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 301828)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 301829)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 301830)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 301831)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 301832)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 301840)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 301960)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 301961)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 301962)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 301963)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 301964)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 304009)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 312103)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 318005)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Cyanides (QCLot: 303738)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Cyanides (QCLot: 303739)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 301992)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 301992) - continued						
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 300983)									
pH	----	E108	----	pH units	6.86 pH units	99.6	98.0	102	----
Physical Tests (QCLot: 300984)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	101	90.0	110	----
Physical Tests (QCLot: 300985)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	100	85.0	115	----
Anions and Nutrients (QCLot: 301828)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	99.1	90.0	110	----
Anions and Nutrients (QCLot: 301829)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 301830)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	99.7	90.0	110	----
Anions and Nutrients (QCLot: 301831)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	105	90.0	110	----
Anions and Nutrients (QCLot: 301832)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 301840)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 301960)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	98.3	90.0	110	----
Anions and Nutrients (QCLot: 301961)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	92.4	90.0	110	----
Anions and Nutrients (QCLot: 301962)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	101	90.0	110	----
Anions and Nutrients (QCLot: 301963)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	96.1	90.0	110	----
Anions and Nutrients (QCLot: 301964)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	99.4	90.0	110	----
Anions and Nutrients (QCLot: 304009)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	105	90.0	110	----
Anions and Nutrients (QCLot: 312103)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	101	75.0	125	----
Anions and Nutrients (QCLot: 318005)									

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report: Spike Concentration	Recovery (%): LCS	Recovery Limits (%): Low	Recovery Limits (%): High	Qualifier
Anions and Nutrients (QCLot: 318005) - continued									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	104	85.0	115	----
Cyanides (QCLot: 303738)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	98.0	80.0	120	----
Cyanides (QCLot: 303739)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	96.5	80.0	120	----
Dissolved Metals (QCLot: 301992)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	111	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	106	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	107	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	110	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	98.4	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	103	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	99.7	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	104	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	96.1	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	103	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	108	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	107	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	108	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	109	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	105	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	106	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	106	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	110	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	106	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	107	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	95.7	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	109	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	108	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	99.3	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	102	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	102	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	111	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	103	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	114	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	95.8	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 301992) - continued									
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	104	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	104	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	105	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	106	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	105	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	104	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	109	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	107	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	101	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 301828)										
SK2103940-002	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.493 mg/L	0.5 mg/L	98.6	75.0	125	----
Anions and Nutrients (QCLot: 301829)										
SK2103940-002	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	2.48 mg/L	2.5 mg/L	99.3	75.0	125	----
Anions and Nutrients (QCLot: 301830)										
SK2103940-002	Anonymous	fluoride	16984-48-8	E235.F	0.993 mg/L	1 mg/L	99.3	75.0	125	----
Anions and Nutrients (QCLot: 301831)										
SK2103940-002	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	102 mg/L	100 mg/L	102	75.0	125	----
Anions and Nutrients (QCLot: 301832)										
SK2103940-002	Anonymous	chloride	16887-00-6	E235.Cl	100 mg/L	100 mg/L	100	75.0	125	----
Anions and Nutrients (QCLot: 301840)										
SK2103657-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	82.0 mg/L	100 mg/L	82.0	75.0	125	----
Anions and Nutrients (QCLot: 301960)										
RG2100558-002	Anonymous	fluoride	16984-48-8	E235.F	0.837 mg/L	1 mg/L	83.7	75.0	125	----
Anions and Nutrients (QCLot: 301961)										
RG2100558-002	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.413 mg/L	0.5 mg/L	82.6	75.0	125	----
Anions and Nutrients (QCLot: 301962)										
RG2100558-002	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 301963)										
RG2100558-002	Anonymous	chloride	16887-00-6	E235.Cl	ND mg/L	100 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 301964)										
RG2100558-002	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	2.23 mg/L	2.5 mg/L	89.1	75.0	125	----
Anions and Nutrients (QCLot: 304009)										
SK2104134-002	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	101 mg/L	100 mg/L	101	75.0	125	----
Anions and Nutrients (QCLot: 312103)										
SK2104022-003	01_TSF_W40	Kjeldahl nitrogen, total [TKN]	----	E318	ND mg/L	2.5 mg/L	ND	70.0	130	----
Anions and Nutrients (QCLot: 318005)										
SK2104004-005	Anonymous	ammonia, total (as N)	7664-41-7	E298	ND mg/L	0.1 mg/L	ND	75.0	125	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Cyanides (QCLot: 303738)										
VA21C0956-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.210 mg/L	0.25 mg/L	83.8	70.0	130	----
Cyanides (QCLot: 303739)										
VA21C0956-001	Anonymous	cyanide, weak acid dissociable	----	E336	0.115 mg/L	0.125 mg/L	92.0	70.0	130	----
Dissolved Metals (QCLot: 301992)										
RG2100556-007	Anonymous	aluminum, dissolved	7429-90-5	E421	0.200 mg/L	0.2 mg/L	99.8	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0205 mg/L	0.02 mg/L	102	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0218 mg/L	0.02 mg/L	109	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0400 mg/L	0.04 mg/L	100	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00910 mg/L	0.01 mg/L	91.0	70.0	130	----
		boron, dissolved	7440-42-8	E421	ND mg/L	0.1 mg/L	ND	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00398 mg/L	0.004 mg/L	99.5	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.0104 mg/L	0.01 mg/L	104	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0429 mg/L	0.04 mg/L	107	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0202 mg/L	0.02 mg/L	101	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0199 mg/L	0.02 mg/L	99.6	70.0	130	----
		iron, dissolved	7439-89-6	E421	2.13 mg/L	2 mg/L	107	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0189 mg/L	0.02 mg/L	94.5	70.0	130	----
		lithium, dissolved	7439-93-2	E421	ND mg/L	0.1 mg/L	ND	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0222 mg/L	0.02 mg/L	111	70.0	130	----
		nickel, dissolved	7440-02-0	E421	ND mg/L	0.04 mg/L	ND	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	9.92 mg/L	10 mg/L	99.2	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		selenium, dissolved	7782-49-2	E421	ND mg/L	0.04 mg/L	ND	70.0	130	----
		silicon, dissolved	7440-21-3	E421	ND mg/L	10 mg/L	ND	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00387 mg/L	0.004 mg/L	96.8	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0391 mg/L	0.04 mg/L	97.8	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00369 mg/L	0.004 mg/L	92.3	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0188 mg/L	0.02 mg/L	94.3	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 301992) - continued										
RG2100556-007	Anonymous	tin, dissolved	7440-31-5	E421	0.0210 mg/L	0.02 mg/L	105	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0448 mg/L	0.04 mg/L	112	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0212 mg/L	0.02 mg/L	106	70.0	130	----
		uranium, dissolved	7440-61-1	E421	ND mg/L	0.004 mg/L	ND	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.111 mg/L	0.1 mg/L	111	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.402 mg/L	0.4 mg/L	100	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0412 mg/L	0.04 mg/L	103	70.0	130	----

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number:

Environmental Division Saskatoon

Work Order Reference SK2104022

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report	Report Format / Distribution	Select Service Level Below - Contact your AM
Company:	Okane Consultants	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	Regular [R] ☑ Standard TAT if received by 3
Contact:	Jared Robertson	Quality Control (QC) Report with Report ☑ YES ☐ NO	PRIORITY (Business Days): 4 day [P4-20%] ☐ / 3 day [P3-25%] ☐ / 2 day [P2-50%] ☐ — EMERGENCY: 1 Busine / Same Da / (Laborat
Phone:	1 (306) 713-1695	☐ Compare Results to Criteria on Report - provide details below if box checked	
	Company address below will appear on the final report	Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	
Street:	112-112 Research Drive	Email 1 or Fax jrobertson@okc-sk.com	Date and Time Required for all E&P TATs:
City/Province:	Saskatoon, SK	Email 2	For tests that can not be performed according to the service level selected, you will be contacted.
Postal Code:	S7N 3R3	Email 3	
Invoice To	Same as Report To ☑ YES ☐ NO	**Invoice Distribution**	**Analysis Request**
	Copy of Invoice with Report ☑ YES ☐ NO	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	
Company:		Email 1 or Fax jrobertson@okc-sk.com	
Contact:		Email 2	

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	Q83455	AFE/Cost Center:	PO#
Job #:	948-021	Major/Minor Code:	Routing Code:
PO / AFE:		Requisitioner:	
LSD:		Location:	
ALS Lab Work Order # (lab use only):		ALS Contact:	Sampler:

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS		MET-D-CCMS-SK (F/P)	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	01_TSF_W38	2-Sep-21	14:50	Leachate	1				R							Y
	01_TSF_W39	9-Sep-21	15:35	Leachate	1				R							Y
	01_TSF_W40	17-Sep-21	11:50	Leachate	4		R	R		R	R	R	R	R		Y
	01_TSF_W41	23-Sep-21	12:00	Leachate	1				R							Y
	02-IF-PAG_W33	2-Sep-21	14:50	Leachate	1				R							Y
	02-IF-PAG_W34	9-Sep-21	15:35	Leachate	1				R							Y
	02-IF-PAG_W35	17-Sep-21	11:50	Leachate	1				R							Y
	02-IF-PAG_W36	23-Sep-21	12:00	Leachate	3		R	R				R	R	R		Y
	03-SED-PAG_W33	2-Sep-21	14:50	Leachate	1				R							Y
	03-SED-PAG_W34	9-Sep-21	15:35	Leachate	1				R							Y
	03-SED-PAG_W35	17-Sep-21	11:50	Leachate	1				R							Y
	03-SED-PAG_W36	23-Sep-21	12:00	Leachate	3		R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ YES ☑ NO

Are samples for human consumption/ use? ☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C	FINAL COOLER TEMPERATURES °C
8.3	

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: September 23, 2021	Time:	Received by: ME3	Date: 23/9/21	Time: 3:45	Received by:	Date: 23 Sep 21	Time: 4:10

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION — WHITE - LABORATORY COPY — YELLOW - CLIENT COPY — NOV 2018 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2
Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200%] (Laboratory opening fees may apply) ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only): | **ALS Contact:** | **Sampler:**

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
						F/P										
	04-GAB-NPAG_W33	2-Sep-21	14:50	Leachate	1				R							Y
	04-GAB-NPAG_W34	9-Sep-21	15:35	Leachate	1				R							Y
	04-GAB-NPAG_W35	17-Sep-21	11:50	Leachate	1				R							Y
	04-GAB-NPAG_W36	23-Sep-21	12:00	Leachate	3		R	R				R	R	R		Y
	05-SED-NPAG_W33	2-Sep-21	14:50	Leachate	1				R							Y
	05-SED-NPAG_W34	9-Sep-21	15:35	Leachate	1				R							Y
	05-SED-NPAG_W35	17-Sep-21	11:50	Leachate	1				R							Y
	05-SED-NPAG_W36	23-Sep-21	12:00	Leachate	3		R	R				R	R	R		Y
	06-IF-NPAG_W33	2-Sep-21	14:50	Leachate	1				R							Y
	06-IF-NPAG_W34	9-Sep-21	15:35	Leachate	1				R							Y
	06-IF-NPAG_W35	17-Sep-21	11:50	Leachate	1				R							Y
	06-IF-NPAG_W36	23-Sep-21	12:00	Leachate	3		R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO

Are samples for human consumption/ use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐		SIF Observations	Yes ☐	No ☐	
Ice Packs ☐	Ice Cubes ☐	Custody seal intact	Yes ☐	No ☐	
Cooling Initiated ☐					

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: September 23, 2021	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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www.alsglobal.com

Canada Toll Free: 1 800 668 9878

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COC Number: 17 -

Page 1 of

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2
Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2

Project Information

ALS Account # / Quote #:	Q83455
Job #:	948-021
PO / AFE:	
LSD:	

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only): | **ALS Contact:** | **Sampler:**

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200%] (Laboratory opening fees may apply) ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	BR-IC-N-CL	MET-D-CCMS-SK (F/P)	ROU-F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	07-IF-PAG-CW_W33	2-Sep-21	14:50	Leachate	1				R							Y
	07-IF-PAG-CW_W34	9-Sep-21	15:35	Leachate	1				R							Y
	07-IF-PAG-CW_W35	17-Sep-21	11:50	Leachate	1				R							Y
	07-IF-PAG-CW_W36	23-Sep-21	12:00	Leachate	3		R	R				R	R	R		Y
	08-SED-PAG-CW_W33	2-Sep-21	14:50	Leachate	1				R							Y
	08-SED-PAG-CW_W34	9-Sep-21	15:35	Leachate	1				R							Y
	08-SED-PAG-CW_W35	17-Sep-21	11:50	Leachate	1				R							Y
	08-SED-PAG-CW_W36	23-Sep-21	12:00	Leachate	3		R	R				R	R	R		Y
	09-FZONE-NPAG_W33	2-Sep-21	14:50	Leachate	1				R							Y
	09-FZONE-NPAG_W34	9-Sep-21	15:35	Leachate	1				R							Y
	09-FZONE-NPAG_W35	17-Sep-21	11:50	Leachate	1				R							Y
	09-FZONE-NPAG_W36	23-Sep-21	12:00	Leachate	3		R	R				R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO

Are samples for human consumption/ use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐
Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Jared Robertson	Date: September 23, 2021	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2018 FRONT

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1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form.**

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2105043**	Page	: 1 of 7
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 14-Oct-2021 11:25
PO	: ----	Date Analysis Commenced	: 14-Oct-2021
C-O-C number	: ----	Issue Date	: 05-Nov-2021 12:55
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 19		
No. of samples analysed	: 19		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Anthony Calero	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Ruifang Zheng	Analyst	Inorganics, Calgary, Alberta

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*

Analytical Results

Sub-Matrix: Leachate (Matrix: Water)					Client sample ID	01_TSF_W42	01_TSF_W43	02-IF-PAG_W37	02-IF-PAG_W38	03-SED-PAG_W37
					Client sampling date / time	29-Sep-2021 13:50	07-Oct-2021 09:20	29-Sep-2021 13:50	07-Oct-2021 09:20	29-Sep-2021 13:50
Analyte	CAS Number	Method	LOR	Unit		SK2105043-001	SK2105043-002	SK2105043-004	SK2105043-005	SK2105043-006
						Result	Result	Result	Result	Result
Anions and Nutrients										
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		1990	1900	118	104	72.6

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: Leachate (Matrix: Water)					Client sample ID	03-SED-PAG_W38	04-GAB-NPAG_W37	04-GAB-NPAG_W38	05-SED-NPAG_W37	05-SED-NPAG_W38
					Client sampling date / time	10-Jul-2021 09:20	29-Sep-2021 13:50	10-Jul-2021 09:20	29-Sep-2021 13:50	10-Jul-2021 09:20
Analyte	CAS Number	Method	LOR	Unit		SK2105043-007	SK2105043-008	SK2105043-009	SK2105043-010	SK2105043-011
						Result	Result	Result	Result	Result
Anions and Nutrients										
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		66.3	43.6	39.7	40.4	40.0

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: Leachate (Matrix: Water)					Client sample ID	06-IF-NPAG_W37	06-IF-NPAG_W38	07-IF-PAG-CW_W37	07-IF-PAG-CW_W38	08-SED-PAG-CW_W37
					Client sampling date / time	29-Sep-2021 13:50	10-Jul-2021 09:20	29-Sep-2021 13:50	10-Jul-2021 09:20	29-Sep-2021 13:50
Analyte	CAS Number	Method	LOR	Unit		SK2105043-012	SK2105043-013	SK2105043-014	SK2105043-015	SK2105043-016
						Result	Result	Result	Result	Result
Anions and Nutrients										
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		45.5	41.9	3550	3540	3390

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Leachate** (Matrix: **Water**)					Client sample ID	**08-SED-PAG-CW_W38**	**09-FZONE-NPAG_W37**	**09-FZONE-NPAG_W38**	**----**	**----**
					Client sampling date / time	10-Jul-2021 09:20	29-Sep-2021 13:50	10-Jul-2021 09:20	----	----
Analyte	*CAS Number*	*Method*	*LOR*	*Unit*		**SK2105043-017**	**SK2105043-018**	**SK2105043-019**	**--------**	**--------**
						Result	Result	Result	----	----
Anions and Nutrients										
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		3490	31.1	31.0	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W44	----	----	----
					Client sampling date / time	14-Oct-2021 12:00	----	----	----	----
						SK2105043-003	--------	--------	--------	--------
						Result	----	----	----	----
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		1620	----	----	----	----
conductivity	----	E100	2.0	µS/cm		3000	----	----	----	----
pH	----	E108	0.10	pH units		7.93	----	----	----	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		219	----	----	----	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		<1.0	----	----	----	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		179	----	----	----	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		2860	----	----	----	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		9.57	----	----	----	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		<0.0020	----	----	----	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		11.0	----	----	----	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		14.1	----	----	----	----
fluoride	16984-48-8	E235.F	0.020	mg/L		<0.400 DLDS	----	----	----	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		0.418	----	----	----	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		<0.200 DLDS	----	----	----	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		1900	----	----	----	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		<0.447	----	----	----	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		0.163	----	----	----	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		<0.0050	----	----	----	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		43.6	----	----	----	----
cation sum	----	EC101	0.10	meq/L		40.3	----	----	----	----
ion balance (cation-anion difference)	----	EC101	0.010	%		3.93	----	----	----	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		92.4	----	----	----	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		0.0052	----	----	----	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		0.00354	----	----	----	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		0.184	----	----	----	----
barium, dissolved	7440-39-3	E421	0.00010	mg/L		0.0284	----	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W44	----	----	----	----
					Client sampling date / time	14-Oct-2021 12:00	----	----	----	----
						SK2105043-003	--------	--------	--------	--------
						Result	----	----	----	----
Dissolved Metals										
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		<0.000040 DLDS	----	----	----	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		<0.000100 DLDS	----	----	----	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		0.720	----	----	----	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		<0.0000500 DLM	----	----	----	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		550	----	----	----	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		<0.000020 DLDS	----	----	----	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		<0.00100 DLDS	----	----	----	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		0.0104	----	----	----	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		0.00168	----	----	----	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		1.32	----	----	----	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		<0.000100 DLDS	----	----	----	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		0.0042	----	----	----	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		61.3	----	----	----	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		0.902	----	----	----	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		0.148	----	----	----	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		0.00307	----	----	----	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		<0.100 DLDS	----	----	----	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		85.8	----	----	----	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		0.0102	----	----	----	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		0.00964	----	----	----	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		6.61	----	----	----	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		<0.000020 DLDS	----	----	----	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		112	----	----	----	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		1.53	----	----	----	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		640	----	----	----	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		<0.00040 DLDS	----	----	----	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		0.000035	----	----	----	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		<0.00020 DLDS	----	----	----	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		0.00199	----	----	----	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		<0.00060 DLDS	----	----	----	----
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		0.00026	----	----	----	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID: 01_TSF_W44	----	----	----	----
					Client sampling date / time: 14-Oct-2021 12:00	----	----	----	----
					SK2105043-003	--------	--------	--------	--------
					Result	----	----	----	----
Dissolved Metals									
uranium, dissolved	7440-61-1	E421	0.000010	mg/L	0.00274	----	----	----	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L	<0.00100 DLDS	----	----	----	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L	0.122	----	----	----	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L	<0.00060 DLDS	----	----	----	----
dissolved metals filtration location	----	EP421	-	-	Field	----	----	----	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2105043**	Page	: 1 of 11
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 14-Oct-2021 11:25
PO	: ----	Issue Date	: 05-Nov-2021 12:55
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 19		
No. of samples analysed	: 19		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- Matrix Spike outliers occur - please see following pages for full details.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **Water**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Matrix Spike (MS) Recoveries								
Anions and Nutrients	Anonymous	Anonymous	fluoride	16984-48-8	E235.F	58.8 % K	75.0-125%	Recovery less than lower data quality objective

Result Qualifiers

Qualifier	Description
K	*Matrix Spike recovery outside ALS DQO due to sample matrix effects.*

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 01_TSF_W44	E298	14-Oct-2021	03-Nov-2021	----	----		03-Nov-2021	28 days	20 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 01_TSF_W44	E235.Cl	14-Oct-2021	----	----	----		15-Oct-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE 01_TSF_W44	E235.F	14-Oct-2021	----	----	----		15-Oct-2021	28 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 01_TSF_W44	E235.NO3	14-Oct-2021	----	----	----		15-Oct-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 01_TSF_W44	E235.NO2	14-Oct-2021	----	----	----		15-Oct-2021	3 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 01_TSF_W44	E235.SO4	14-Oct-2021	----	----	----		15-Oct-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 01_TSF_W42	E235.SO4	29-Sep-2021	----	----	----		16-Oct-2021	28 days	17 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W37	E235.SO4	29-Sep-2021	----	----	----		16-Oct-2021	28 days	17 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W37	E235.SO4	29-Sep-2021	----	----	----		16-Oct-2021	28 days	17 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W37	E235.SO4	29-Sep-2021	----	----	----		16-Oct-2021	28 days	17 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W37	E235.SO4	29-Sep-2021	----	----	----		16-Oct-2021	28 days	17 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W37	E235.SO4	29-Sep-2021	----	----	----		16-Oct-2021	28 days	17 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W37	E235.SO4	29-Sep-2021	----	----	----		16-Oct-2021	28 days	17 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W37	E235.SO4	29-Sep-2021	----	----	----		16-Oct-2021	28 days	17 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W37	E235.SO4	29-Sep-2021	----	----	----		16-Oct-2021	28 days	17 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W43	E235.SO4	07-Oct-2021	----	----	----		16-Oct-2021	28 days	9 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
02-IF-PAG_W38	E235.SO4	07-Oct-2021	----	----	----		16-Oct-2021	28 days	9 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
03-SED-PAG_W38	E235.SO4	10-Jul-2021	----	----	----		16-Oct-2021	28 days	98 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
04-GAB-NPAG_W38	E235.SO4	10-Jul-2021	----	----	----		16-Oct-2021	28 days	98 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
05-SED-NPAG_W38	E235.SO4	10-Jul-2021	----	----	----		16-Oct-2021	28 days	98 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
06-IF-NPAG_W38	E235.SO4	10-Jul-2021	----	----	----		16-Oct-2021	28 days	98 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
07-IF-PAG-CW_W38	E235.SO4	10-Jul-2021	----	----	----		16-Oct-2021	28 days	98 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
08-SED-PAG-CW_W38	E235.SO4	10-Jul-2021	----	----	----		16-Oct-2021	28 days	98 days	× EHTR
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
09-FZONE-NPAG_W38	E235.SO4	10-Jul-2021	----	----	----		16-Oct-2021	28 days	98 days	× EHTR
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
01_TSF_W44	E318	14-Oct-2021	26-Oct-2021	----	----		26-Oct-2021	28 days	12 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
01_TSF_W44	E372-U	14-Oct-2021	21-Oct-2021	----	----		21-Oct-2021	28 days	7 days	✓
Cyanides : Total Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W44	E333	14-Oct-2021	----	----	----		20-Oct-2021	14 days	6 days	✓
Cyanides : WAD Cyanide by CFA										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W44	E336	14-Oct-2021	----	----	----		20-Oct-2021	14 days	6 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
01_TSF_W44	E421	14-Oct-2021	18-Oct-2021	----	----		18-Oct-2021	180 days	4 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
01_TSF_W44	E290	14-Oct-2021	----	----	----		15-Oct-2021	14 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
01_TSF_W44	E100	14-Oct-2021	----	----	----		15-Oct-2021	28 days	1 days	✓
Physical Tests : pH by Meter										
HDPE										
01_TSF_W44	E108	14-Oct-2021	----	----	----		15-Oct-2021	0.25 hrs	24 hrs	× EHTL

Legend & Qualifier Definitions

EHTR: Exceeded ALS recommended hold time prior to sample receipt.

EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	319678	1	20	5.0	5.0	✓
Ammonia by Fluorescence	E298	336634	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	320390	1	8	12.5	5.0	✓
Conductivity in Water	E100	319677	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	321137	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	320388	1	8	12.5	5.0	✓
Nitrate in Water by IC	E235.NO3	320386	1	10	10.0	5.0	✓
Nitrite in Water by IC	E235.NO2	320387	1	10	10.0	5.0	✓
pH by Meter	E108	319676	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	320389	2	26	7.6	5.0	✓
Total Cyanide by CFA	E333	324629	1	8	12.5	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	327092	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	325038	1	20	5.0	5.0	✓
WAD Cyanide by CFA	E336	324630	1	2	50.0	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	319678	1	20	5.0	5.0	✓
Ammonia by Fluorescence	E298	336634	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	320390	1	8	12.5	5.0	✓
Conductivity in Water	E100	319677	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	321137	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	320388	1	8	12.5	5.0	✓
Nitrate in Water by IC	E235.NO3	320386	1	10	10.0	5.0	✓
Nitrite in Water by IC	E235.NO2	320387	1	10	10.0	5.0	✓
pH by Meter	E108	319676	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	320389	2	26	7.6	5.0	✓
Total Cyanide by CFA	E333	324629	1	8	12.5	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	327092	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	325038	1	20	5.0	5.0	✓
WAD Cyanide by CFA	E336	324630	1	2	50.0	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	319678	1	20	5.0	5.0	✓
Ammonia by Fluorescence	E298	336634	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	320390	1	8	12.5	5.0	✓
Conductivity in Water	E100	319677	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	321137	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	320388	1	8	12.5	5.0	✓
Nitrate in Water by IC	E235.NO3	320386	1	10	10.0	5.0	✓

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Nitrite in Water by IC	E235.NO2	320387	1	10	10.0	5.0	✓
Sulfate in Water by IC	E235.SO4	320389	2	26	7.6	5.0	✓
Total Cyanide by CFA	E333	324629	1	8	12.5	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	327092	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	325038	1	20	5.0	5.0	✓
WAD Cyanide by CFA	E336	324630	1	2	50.0	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	336634	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	320390	1	8	12.5	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	321137	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	320388	1	8	12.5	5.0	✓
Nitrate in Water by IC	E235.NO3	320386	1	10	10.0	5.0	✓
Nitrite in Water by IC	E235.NO2	320387	1	10	10.0	5.0	✓
Sulfate in Water by IC	E235.SO4	320389	2	26	7.6	5.0	✓
Total Cyanide by CFA	E333	324629	1	8	12.5	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	327092	1	20	5.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	325038	1	20	5.0	5.0	✓
WAD Cyanide by CFA	E336	324630	1	2	50.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Calgary - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Cyanide by CFA	E333 Waterloo - Environmental	Water	ISO 14403 (mod)	Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.
WAD Cyanide by CFA	E336 Waterloo - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U Calgary - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	“Hardness (as CaCO3), dissolved” is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in $CaCO_3$ equivalents. “Total Hardness” refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Calgary - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.
Digestion for Total Phosphorus in water	EP372 Calgary - Environmental	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.

QUALITY CONTROL REPORT

Work Order	: **SK2105043**	Page	: 1 of 12
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 14-Oct-2021 11:25
PO	: ----	Date Analysis Commenced	: 14-Oct-2021
C-O-C number	: ----	Issue Date	: 05-Nov-2021 12:55
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 19		
No. of samples analysed	: 19		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Anthony Calero	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Ruifang Zheng	Analyst	Inorganics, Calgary, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 319676)											
SK2105044-002	Anonymous	pH	----	E108	0.10	pH units	7.78	7.79	0.0482%	3%	----
Physical Tests (QC Lot: 319677)											
SK2105044-002	Anonymous	conductivity	----	E100	2.0	µS/cm	9490	9520	0.316%	10%	----
Physical Tests (QC Lot: 319678)											
SK2105044-002	Anonymous	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	521	522	0.234%	20%	----
Anions and Nutrients (QC Lot: 320386)											
SK2105043-003	01_TSF_W44	nitrate (as N)	14797-55-8	E235.NO3	0.400	mg/L	0.418	0.413	0.005	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 320387)											
SK2105043-003	01_TSF_W44	nitrite (as N)	14797-65-0	E235.NO2	0.200	mg/L	<0.200	<0.200	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 320388)											
SK2105043-003	01_TSF_W44	fluoride	16984-48-8	E235.F	0.400	mg/L	<0.400	<0.400	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 320389)											
SK2105043-003	01_TSF_W44	sulfate (as SO4)	14808-79-8	E235.SO4	6.00	mg/L	1900	1840	3.03%	20%	----
Anions and Nutrients (QC Lot: 320390)											
SK2105043-003	01_TSF_W44	chloride	16887-00-6	E235.Cl	10.0	mg/L	14.1	13.3	0.82	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 321424)											
SK2105043-001	01_TSF_W42	sulfate (as SO4)	14808-79-8	E235.SO4	6.00	mg/L	1990	1970	1.19%	20%	----
Anions and Nutrients (QC Lot: 325038)											
CG2105040-001	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	0.0213	0.0193	9.71%	20%	----
Anions and Nutrients (QC Lot: 327092)											
EO2103278-010	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L	0.478	0.656	0.178	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 336634)											
EO2103230-021	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0250	mg/L	0.140	0.138	0.0021	Diff <2x LOR	----
Cyanides (QC Lot: 324629)											
WT2100204-037	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.0020	mg/L	<0.0020	<0.0020	0	Diff <2x LOR	----
Cyanides (QC Lot: 324630)											
WT2100204-037	Anonymous	cyanide, weak acid dissociable	----	E336	0.0020	mg/L	<0.0020	<0.0020	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 321137)											
RG2100699-001	Anonymous	aluminum, dissolved	7429-90-5	E421	0.0020	mg/L	0.0036	0.0034	0.0002	Diff <2x LOR	----
		antimony, dissolved	7440-36-0	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 321137) - continued											
RG2100699-001	Anonymous	barium, dissolved	7440-39-3	E421	0.00020	mg/L	0.0201	0.0201	0.385%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000040	mg/L	<0.000040	<0.000040	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.020	mg/L	0.281	0.281	0.0219%	20%	----
		cadmium, dissolved	7440-43-9	E421	0.0000100	mg/L	<0.0000100	<0.0000100	0	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	0.100	mg/L	188	185	1.20%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00020	mg/L	0.00032	0.00032	0.000003	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00040	mg/L	0.00094	0.00104	0.00010	Diff <2x LOR	----
		iron, dissolved	7439-89-6	E421	0.060	mg/L	<0.060	<0.060	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0020	mg/L	0.103	0.102	0.211%	20%	----
		magnesium, dissolved	7439-95-4	E421	0.0100	mg/L	89.5	87.8	1.93%	20%	----
		manganese, dissolved	7439-96-5	E421	0.0100	mg/L	2.92	2.86	2.12%	20%	----
		molybdenum, dissolved	7439-98-7	E421	0.000100	mg/L	0.00230	0.00227	1.29%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00100	mg/L	0.00621	0.00614	0.00007	Diff <2x LOR	----
		phosphorus, dissolved	7723-14-0	E421	0.100	mg/L	<0.100	<0.100	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	0.100	mg/L	12.7	13.0	2.07%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00040	mg/L	0.00178	0.00167	0.00011	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.000100	mg/L	0.000114	<0.000100	0.000014	Diff <2x LOR	----
		silicon, dissolved	7440-21-3	E421	0.100	mg/L	12.7	13.0	2.34%	20%	----
		silver, dissolved	7440-22-4	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	0.100	mg/L	239	241	0.987%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00040	mg/L	1.32	1.34	1.18%	20%	----
		sulfur, dissolved	7704-34-9	E421	1.00	mg/L	273	274	0.392%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.00060	mg/L	<0.00060	<0.00060	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000020	mg/L	0.00120	0.00120	0.472%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0020	mg/L	<0.0020	<0.0020	0	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 321137) - continued											
RG2100699-001	Anonymous	zirconium, dissolved	7440-67-7	E421	0.00060	mg/L	<0.00060	<0.00060	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 319677)						
conductivity	----	E100	1	µS/cm	1.6	----
Physical Tests (QCLot: 319678)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 320386)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 320387)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 320388)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 320389)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 320390)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 321424)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 325038)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Anions and Nutrients (QCLot: 327092)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 336634)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Cyanides (QCLot: 324629)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----
Cyanides (QCLot: 324630)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 321137)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 321137) - continued						
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 319676)									
pH	----	E108	----	pH units	6.86 pH units	99.7	98.0	102	----
Physical Tests (QCLot: 319677)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	101	90.0	110	----
Physical Tests (QCLot: 319678)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	97.2	85.0	115	----
Anions and Nutrients (QCLot: 320386)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	105	90.0	110	----
Anions and Nutrients (QCLot: 320387)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 320388)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	99.0	90.0	110	----
Anions and Nutrients (QCLot: 320389)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	107	90.0	110	----
Anions and Nutrients (QCLot: 320390)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 321424)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	107	90.0	110	----
Anions and Nutrients (QCLot: 325038)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.02 mg/L	110	80.0	120	----
Anions and Nutrients (QCLot: 327092)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	92.6	75.0	125	----
Anions and Nutrients (QCLot: 336634)									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	97.6	85.0	115	----
Cyanides (QCLot: 324629)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	87.6	80.0	120	----
Cyanides (QCLot: 324630)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	101	80.0	120	----
Dissolved Metals (QCLot: 321137)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	105	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	99.9	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	101	80.0	120	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
					Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 321137) - continued									
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	100	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	102	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	104	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	102	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	101	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	106	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	97.1	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	102	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	102	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	99.1	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	106	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	103	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	109	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	101	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	99.3	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	100	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	111	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	102	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	104	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	99.8	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	98.3	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	94.8	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	107	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	98.0	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	104	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	92.6	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	103	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	98.5	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	96.8	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	97.1	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	99.7	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	98.0	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	100	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	101	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	100	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 320386)										
SK2105045-007	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	2.49 mg/L	2.5 mg/L	99.8	75.0	125	----
Anions and Nutrients (QCLot: 320387)										
SK2105045-007	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	ND mg/L	0.5 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 320388)										
SK2105045-007	Anonymous	fluoride	16984-48-8	E235.F	0.588 mg/L	1 mg/L	58.8	75.0	125	K
Anions and Nutrients (QCLot: 320389)										
SK2105045-007	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 320390)										
SK2105045-007	Anonymous	chloride	16887-00-6	E235.Cl	ND mg/L	100 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 321424)										
SK2105043-002	01_TSF_W43	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 325038)										
CG2105040-002	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0625 mg/L	0.0676 mg/L	92.5	70.0	130	----
Anions and Nutrients (QCLot: 327092)										
EO2103278-011	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	ND mg/L	2.5 mg/L	ND	70.0	130	----
Anions and Nutrients (QCLot: 336634)										
EO2103230-022	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.122 mg/L	0.1 mg/L	122	75.0	125	----
Cyanides (QCLot: 324629)										
WT2100204-037	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.208 mg/L	0.25 mg/L	83.3	70.0	130	----
Cyanides (QCLot: 324630)										
WT2100204-037	Anonymous	cyanide, weak acid dissociable	----	E336	0.125 mg/L	0.125 mg/L	99.8	70.0	130	----
Dissolved Metals (QCLot: 321137)										
RG2100699-002	Anonymous	aluminum, dissolved	7429-90-5	E421	0.202 mg/L	0.2 mg/L	101	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0197 mg/L	0.02 mg/L	98.3	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	0.0209 mg/L	0.02 mg/L	105	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0406 mg/L	0.04 mg/L	101	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00904 mg/L	0.01 mg/L	90.4	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 321137) - continued										
RG2100699-002	Anonymous	boron, dissolved	7440-42-8	E421	0.095 mg/L	0.1 mg/L	94.7	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00396 mg/L	0.004 mg/L	99.1	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.00990 mg/L	0.01 mg/L	99.0	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0406 mg/L	0.04 mg/L	101	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0194 mg/L	0.02 mg/L	97.0	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0184 mg/L	0.02 mg/L	91.8	70.0	130	----
		iron, dissolved	7439-89-6	E421	1.96 mg/L	2 mg/L	97.8	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0185 mg/L	0.02 mg/L	92.6	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.106 mg/L	0.1 mg/L	106	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	0.0196 mg/L	0.02 mg/L	97.8	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0198 mg/L	0.02 mg/L	99.2	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0384 mg/L	0.04 mg/L	95.9	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	10.9 mg/L	10 mg/L	109	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0210 mg/L	0.02 mg/L	105	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0435 mg/L	0.04 mg/L	109	70.0	130	----
		silicon, dissolved	7440-21-3	E421	8.91 mg/L	10 mg/L	89.1	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00366 mg/L	0.004 mg/L	91.6	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0405 mg/L	0.04 mg/L	101	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00371 mg/L	0.004 mg/L	92.8	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0198 mg/L	0.02 mg/L	99.3	70.0	130	----
		tin, dissolved	7440-31-5	E421	0.0196 mg/L	0.02 mg/L	98.2	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0410 mg/L	0.04 mg/L	102	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0199 mg/L	0.02 mg/L	99.6	70.0	130	----
		uranium, dissolved	7440-61-1	E421	0.00363 mg/L	0.004 mg/L	90.9	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.103 mg/L	0.1 mg/L	103	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.376 mg/L	0.4 mg/L	94.1	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0428 mg/L	0.04 mg/L	107	70.0	130	----

Qualifiers

Qualifier	Description
K	Matrix Spike recovery outside ALS DQO due to sample matrix effects.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17

Page

Environmental Division Saskatoon

Work Order Reference SK2105043

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Select Service Level Below - Contact your AM to c

Regular [R] ☑ Standard TAT if received by 3 pm

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business | Same Day, | (Laborator

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level sele

Project Information

ALS Account # / Quote #: Q83455

Job #: 948-021

PO / AFE:

LSD:

Oil and Gas Required Fields (client use)

AFE/Cost Center: | PO#

Major/Minor Code: | Routing Code:

Requisitioner:

Location:

ALS Lab Work Order # (lab use only): | ALS Contact: | Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	F/P	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	01_TSF_W42	29-Sep-21	13:50	Leachate	1				R							Y
	01_TSF_W43	7-Oct-21	9:20	Leachate	1				R							Y
	01_TSF_W44	14-Oct-21	12:00	Leachate	4		R	R		R	R	R	R	R		Y
	02-IF-PAG-W37	29-Sep-21	13:50	Leachate	1				R							Y
	02-IF-PAG-W38	7-Oct-21	9:20	Leachate	1				R							Y
	03-SED-PAG_W37	29-Sep-21	13:50	Leachate	1				R							Y
	03-SED-PAG_W38	7-Oct-21	9:20	Leachate	1				R							Y
	04-GAB-NPAG_W37	29-Sep-21	13:50	Leachate	1				R							Y
	04-GAB-NPAG_W38	7-Oct-21	9:20	Leachate	1				R							Y
	05-SED-NPAG_W37	29-Sep-21	13:50	Leachate	1				R							Y
	05-SED-NPAG_W38	7-Oct-21	9:20	Leachate	1				R							Y
	06-IF-NPAG_W37	29-Sep-21	13:50	Leachate	1				R							Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C	FINAL COOLER TEMPERATURES °C
8.4	

SHIPMENT RELEASE (client use)

Released by: Jared Robertson | Date: October 14, 2021 | Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by: | Date: 14-10-21 | Time: 11:35

FINAL SHIPMENT RECEPTION (lab use only)

Received by: BMS | Date: 10/14/21 | Time: 11:30

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2016 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Page 1 of

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1685
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax: jrobertson@okc-sk.com
Email 2:
Email 3:

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax: jrobertson@okc-sk.com
Email 2:

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Project Information

ALS Account # / Quote #: Q83455
Job #: 948-021
PO / AFE:
LSD:

Oil and Gas Required Fields (client use)

AFE/Cost Center: | PO#:
Major/Minor Code: | Routing Code:
Requisitioner:
Location:

ALS Lab Work Order # (lab use only): | ALS Contact: | Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	F/P	BR-IC-N-CL	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	06-IF-NPAG_W38	7-Oct-21	9:20	Leachate	1					R							Y
	07-IF-PAG-CW_W37	29-Sep-21	13:50	Leachate	1					R							Y
	07-IF-PAG-CW_W38	7-Oct-21	9:20	Leachate	1					R							Y
	08-SED-PAG-CW_W37	29-Sep-21	13:50	Leachate	1					R							Y
	08-SED-PAG-CW_W38	7-Oct-21	9:20	Leachate	1					R							Y
	09-FZONE-NPAG_W37	29-Sep-21	13:50	Leachate	1					R							Y
	09-FZONE-NPAG_W38	7-Oct-21	9:20	Leachate	1					R							Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System?
☐ YES ☑ NO

Are samples for human consumption/ use?
☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐
Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: October 14, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

FINAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2018 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2105810**	Page	: 1 of 5
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 10-Nov-2021 16:08
PO	: ----	Date Analysis Commenced	: 10-Nov-2021
C-O-C number	: ----	Issue Date	: 18-Nov-2021 13:35
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLHC	*Detection Limit Raised: Dilution required due to high concentration of test analyte(s).*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W45	01_TSF_W46	01_TSF_W47	01_TSF_W48	----
					Client sampling date / time	21-Oct-2021 14:00	28-Oct-2021 12:00	04-Nov-2021 13:00	10-Nov-2021 13:17	----
						SK2105810-001	SK2105810-002	SK2105810-003	SK2105810-004	--------
						Result	Result	Result	Result	----
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	----	1520	----
conductivity	----	E100	2.0	µS/cm		----	----	----	2690	----
pH	----	E108	0.10	pH units		----	----	----	7.74	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	----	218	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	----	178	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	----	2500	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	6.93 DLHC	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	----	<0.0020	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		1690	1670	1930	1660	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	----	7.30 DLHC	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	----	<10.0 DLDS	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	----	<0.400 DLDS	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	----	<0.400 DLDS	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	----	<0.200 DLDS	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	----	<0.447	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		----	----	----	0.139	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		----	----	----	<0.0050	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	----	38.1	----
cation sum	----	EC101	0.10	meq/L		----	----	----	35.6	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	----	3.39	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	----	93.4	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0036	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.00292	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.134	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W45	01_TSF_W46	01_TSF_W47	01_TSF_W48	----
					Client sampling date / time	21-Oct-2021 14:00	28-Oct-2021 12:00	04-Nov-2021 13:00	10-Nov-2021 13:17	----
						SK2105810-001	SK2105810-002	SK2105810-003	SK2105810-004	--------
						Result	Result	Result	Result	----
Dissolved Metals										
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0258	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000040 DLDS	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000100 DLDS	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.552	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	<0.0000500 DLM	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	----	526	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	<0.000020 DLDS	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	<0.00100 DLDS	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	0.00749	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00118	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	----	0.066	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	<0.000100 DLDS	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0035	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	----	51.3	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	----	0.742	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.125	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	0.00295	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.100 DLDS	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	----	70.3	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.00695	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.00741	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	6.15	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000020 DLDS	----
sodium, dissolved	17341-25-2	E421	0.050	mg/L		----	----	----	64.2	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	1.49	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	559	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00040 DLDS	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	0.000029	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00020 DLDS	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00178	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00060 DLDS	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W45	01_TSF_W46	01_TSF_W47	01_TSF_W48	----
					Client sampling date / time	21-Oct-2021 14:00	28-Oct-2021 12:00	04-Nov-2021 13:00	10-Nov-2021 13:17	----
						SK2105810-001	SK2105810-002	SK2105810-003	SK2105810-004	--------
						Result	Result	Result	Result	----
Dissolved Metals										
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	0.00021	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.00231	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00100 DLDS	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0044	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00060 DLDS	----
dissolved metals filtration location	----	EP421	-	-		----	----	----	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2105810**	Page	: 1 of 9
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 10-Nov-2021 16:08
PO	: ----	Issue Date	: 18-Nov-2021 13:35
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid) 01_TSF_W48	E298	10-Nov-2021	15-Nov-2021	----	----		15-Nov-2021	28 days	5 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE 01_TSF_W48	E235.Cl	10-Nov-2021	----	----	----		12-Nov-2021	28 days	2 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE 01_TSF_W48	E235.F	10-Nov-2021	----	----	----		12-Nov-2021	28 days	2 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE 01_TSF_W48	E235.NO3	10-Nov-2021	----	----	----		12-Nov-2021	3 days	2 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE 01_TSF_W48	E235.NO2	10-Nov-2021	----	----	----		12-Nov-2021	3 days	2 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 01_TSF_W46	E235.SO4	28-Oct-2021	----	----	----		12-Nov-2021	28 days	15 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE 01_TSF_W48	E235.SO4	10-Nov-2021	----	----	----		12-Nov-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W45	E235.SO4	21-Oct-2021	----	----	----		12-Nov-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W47	E235.SO4	04-Nov-2021	----	----	----		12-Nov-2021	28 days	8 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
01_TSF_W48	E318	10-Nov-2021	15-Nov-2021	----	----		15-Nov-2021	28 days	5 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
01_TSF_W48	E372-U	10-Nov-2021	16-Nov-2021	----	----		17-Nov-2021	28 days	7 days	✓
Cyanides : Total Cyanide										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W48	E333	10-Nov-2021	----	----	----		15-Nov-2021	14 days	5 days	✓
Cyanides : WAD Cyanide										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W48	E336	10-Nov-2021	----	----	----		15-Nov-2021	14 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
01_TSF_W48	E421	10-Nov-2021	15-Nov-2021	----	----		15-Nov-2021	180 days	5 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
01_TSF_W48	E290	10-Nov-2021	----	----	----		12-Nov-2021	14 days	2 days	✓
Physical Tests : Conductivity in Water										
HDPE										
01_TSF_W48	E100	10-Nov-2021	----	----	----		12-Nov-2021	28 days	2 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE										
01_TSF_W48	E108	10-Nov-2021	----	----	----		12-Nov-2021	0.25 hrs	44 hrs	× EHTR-FM

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	342550	1	14	7.1	5.0	✓
Ammonia by Fluorescence	E298	344770	1	13	7.6	5.0	✓
Chloride in Water by IC	E235.Cl	343650	1	20	5.0	5.0	✓
Conductivity in Water	E100	342549	1	15	6.6	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	344106	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	343647	1	16	6.2	5.0	✓
Nitrate in Water by IC	E235.NO3	343651	1	20	5.0	5.0	✓
Nitrite in Water by IC	E235.NO2	343648	1	20	5.0	5.0	✓
pH by Meter	E108	342548	1	15	6.6	5.0	✓
Sulfate in Water by IC	E235.SO4	343649	2	36	5.5	5.0	✓
Total Cyanide	E333	344994	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	344757	1	14	7.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	344771	1	9	11.1	5.0	✓
WAD Cyanide	E336	344995	1	1	100.0	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	342550	1	14	7.1	5.0	✓
Ammonia by Fluorescence	E298	344770	1	13	7.6	5.0	✓
Chloride in Water by IC	E235.Cl	343650	1	20	5.0	5.0	✓
Conductivity in Water	E100	342549	1	15	6.6	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	344106	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	343647	1	16	6.2	5.0	✓
Nitrate in Water by IC	E235.NO3	343651	1	20	5.0	5.0	✓
Nitrite in Water by IC	E235.NO2	343648	1	20	5.0	5.0	✓
pH by Meter	E108	342548	1	15	6.6	5.0	✓
Sulfate in Water by IC	E235.SO4	343649	2	36	5.5	5.0	✓
Total Cyanide	E333	344994	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	344757	1	14	7.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	344771	1	9	11.1	5.0	✓
WAD Cyanide	E336	344995	1	1	100.0	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	342550	1	14	7.1	5.0	✓
Ammonia by Fluorescence	E298	344770	1	13	7.6	5.0	✓
Chloride in Water by IC	E235.Cl	343650	1	20	5.0	5.0	✓
Conductivity in Water	E100	342549	1	15	6.6	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	344106	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	343647	1	16	6.2	5.0	✓
Nitrate in Water by IC	E235.NO3	343651	1	20	5.0	5.0	✓

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Nitrite in Water by IC	E235.NO2	343648	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	343649	2	36	5.5	5.0	✓
Total Cyanide	E333	344994	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	344757	1	14	7.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	344771	1	9	11.1	5.0	✓
WAD Cyanide	E336	344995	1	1	100.0	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	344770	1	13	7.6	5.0	✓
Chloride in Water by IC	E235.Cl	343650	1	20	5.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	344106	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	343647	1	16	6.2	5.0	✓
Nitrate in Water by IC	E235.NO3	343651	1	20	5.0	5.0	✓
Nitrite in Water by IC	E235.NO2	343648	1	20	5.0	5.0	✓
Sulfate in Water by IC	E235.SO4	343649	2	36	5.5	5.0	✓
Total Cyanide	E333	344994	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	344757	1	14	7.1	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	344771	1	9	11.1	5.0	✓
WAD Cyanide	E336	344995	1	1	100.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Waterloo - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Waterloo - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Cyanide	E333 Waterloo - Environmental	Water	ISO 14403 (mod)	Total or Strong Acid Dissociable (SAD) Cyanide is determined by Continuous Flow Analyzer (CFA) with in-line UV digestion followed by colourmetric analysis. Method Limitation: High levels of thiocyanate (SCN) may cause positive interference (up to 0.5% of SCN concentration).
WAD Cyanide	E336 Waterloo - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by Continuous Flow Analyzer (CFA) with in-line distillation followed by colourmetric analysis.
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U Waterloo - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	“Hardness (as CaCO3), dissolved” is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. “Total Hardness” refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Waterloo - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Waterloo - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Digestion for Total Phosphorus in water	EP372 Waterloo - Environmental	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.

QUALITY CONTROL REPORT

Work Order	: **SK2105810**	Page	: 1 of 12
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 10-Nov-2021 16:08
PO	: ----	Date Analysis Commenced	: 10-Nov-2021
C-O-C number	: ----	Issue Date	: 18-Nov-2021 13:35
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 342548)											
RG2100874-001	Anonymous	pH	----	E108	0.10	pH units	7.74	7.74	0.0786%	3%	----
Physical Tests (QC Lot: 342549)											
RG2100874-001	Anonymous	conductivity	----	E100	2.0	µS/cm	1740	1730	0.404%	10%	----
Physical Tests (QC Lot: 342550)											
RG2100874-001	Anonymous	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	324	324	0.229%	20%	----
Anions and Nutrients (QC Lot: 343647)											
RG2100884-001	Anonymous	fluoride	16984-48-8	E235.F	0.100	mg/L	0.138	0.136	0.003	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 343648)											
RG2100884-001	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.050	mg/L	<0.050	<0.050	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 343649)											
RG2100884-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	1.50	mg/L	276	278	0.832%	20%	----
Anions and Nutrients (QC Lot: 343650)											
RG2100884-001	Anonymous	chloride	16887-00-6	E235.Cl	2.50	mg/L	29.3	29.5	0.636%	20%	----
Anions and Nutrients (QC Lot: 343651)											
RG2100884-001	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	0.100	mg/L	0.201	0.160	0.042	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 343771)											
RG2100881-005	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	6.00	mg/L	2870	2890	0.575%	20%	----
Anions and Nutrients (QC Lot: 344757)											
RG2100881-009	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L	2.82	2.73	3.24%	20%	----
Anions and Nutrients (QC Lot: 344770)											
RG2100881-019	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.0500	mg/L	2.74	2.72	0.750%	20%	----
Anions and Nutrients (QC Lot: 344771)											
RG2100889-001	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	0.0581	0.0577	0.690%	20%	----
Cyanides (QC Lot: 344994)											
CG2105599-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.0200	mg/L	<0.0200	<0.0200	0	Diff <2x LOR	----
Cyanides (QC Lot: 344995)											
SK2105810-004	01_TSF_W48	cyanide, weak acid dissociable	----	E336	0.0050	mg/L	<0.0050	<0.0050	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 344106)											
RG2100881-001	Anonymous	aluminum, dissolved	7429-90-5	E421	0.0020	mg/L	0.136	0.154	12.5%	20%	----
		antimony, dissolved	7440-36-0	E421	0.00020	mg/L	0.00028	0.00026	0.00002	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00020	mg/L	0.00087	0.00094	0.00007	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 344106) - continued											
RG2100881-001	Anonymous	barium, dissolved	7440-39-3	E421	0.00020	mg/L	0.0468	0.0482	2.95%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000040	mg/L	<0.000040	<0.000040	0	Diff <2x LOR	----
		bismuth, dissolved	7440-69-9	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.020	mg/L	1.06	1.05	0.599%	20%	----
		cadmium, dissolved	7440-43-9	E421	0.0000100	mg/L	0.000141	0.000167	17.0%	20%	----
		calcium, dissolved	7440-70-2	E421	0.100	mg/L	297	290	2.13%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000020	mg/L	<0.000020	0.000023	0.000003	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00020	mg/L	0.00165	0.00168	0.00003	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00040	mg/L	0.00406	0.00354	0.00053	Diff <2x LOR	----
		iron, dissolved	7439-89-6	E421	0.060	mg/L	0.301	0.332	0.031	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000100	mg/L	0.000273	0.000286	0.000012	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0020	mg/L	0.117	0.121	3.04%	20%	----
		magnesium, dissolved	7439-95-4	E421	0.0100	mg/L	234	242	3.03%	20%	----
		manganese, dissolved	7439-96-5	E421	0.0100	mg/L	0.748	0.761	1.72%	20%	----
		molybdenum, dissolved	7439-98-7	E421	0.000100	mg/L	0.00399	0.00440	9.69%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00100	mg/L	0.0140	0.0142	1.46%	20%	----
		phosphorus, dissolved	7723-14-0	E421	0.100	mg/L	<0.100	<0.100	0	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	0.100	mg/L	8.48	8.50	0.263%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00040	mg/L	0.00209	0.00180	0.00029	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.000100	mg/L	0.000412	0.000339	0.000072	Diff <2x LOR	----
		silicon, dissolved	7440-21-3	E421	0.100	mg/L	11.1	11.2	0.796%	20%	----
		silver, dissolved	7440-22-4	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----
		sodium, dissolved	17341-25-2	E421	0.100	mg/L	133	131	1.05%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00040	mg/L	0.903	0.931	3.04%	20%	----
		sulfur, dissolved	7704-34-9	E421	1.00	mg/L	398	404	1.49%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.00040	mg/L	<0.00040	<0.00040	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000020	mg/L	0.000044	0.000041	0.000003	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.00060	mg/L	0.00704	0.00777	9.85%	20%	----
		tungsten, dissolved	7440-33-7	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000020	mg/L	0.0764	0.0751	1.68%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0020	mg/L	0.0064	0.0080	0.0016	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 344106) - continued											
RG2100881-001	Anonymous	zirconium, dissolved	7440-67-7	E421	0.00060	mg/L	0.00079	0.00083	0.00004	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 342549)						
conductivity	----	E100	1	µS/cm	1.2	----
Physical Tests (QCLot: 342550)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 343647)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 343648)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 343649)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 343650)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 343651)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 343771)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 344757)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Anions and Nutrients (QCLot: 344770)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 344771)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Cyanides (QCLot: 344994)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----
Cyanides (QCLot: 344995)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 344106)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 344106) - continued						
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 342548)									
pH	----	E108	----	pH units	6.86 pH units	100.0	98.0	102	----
Physical Tests (QCLot: 342549)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	98.7	90.0	110	----
Physical Tests (QCLot: 342550)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	98.5	85.0	115	----
Anions and Nutrients (QCLot: 343647)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	107	90.0	110	----
Anions and Nutrients (QCLot: 343648)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 343649)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 343650)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 343651)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	102	90.0	110	----
Anions and Nutrients (QCLot: 343771)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	105	90.0	110	----
Anions and Nutrients (QCLot: 344757)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	108	75.0	125	----
Anions and Nutrients (QCLot: 344770)									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	110	85.0	115	----
Anions and Nutrients (QCLot: 344771)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	0.283 mg/L	93.4	80.0	120	----
Cyanides (QCLot: 344994)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	105	80.0	120	----
Cyanides (QCLot: 344995)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	106	80.0	120	----
Dissolved Metals (QCLot: 344106)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	105	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	96.2	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	99.4	80.0	120	----

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Dissolved Metals (QCLot: 344106) - continued									
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	99.4	80.0	120	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	102	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	92.1	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	98.7	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	99.2	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	101	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	103	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	102	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	99.4	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	102	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	104	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	115	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	100	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	101	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	102	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	98.4	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	111	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	104	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	104	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	95.3	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	101	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	96.5	80.0	120	----
sodium, dissolved	17341-25-2	E421	0.05	mg/L	50 mg/L	103	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	101	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	96.1	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	91.4	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	98.5	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	95.8	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	100	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	104	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	98.0	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	108	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	101	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	94.8	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	103	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 343647)										
RG2100885-001	Anonymous	fluoride	16984-48-8	E235.F	1.01 mg/L	1 mg/L	101	75.0	125	----
Anions and Nutrients (QCLot: 343648)										
RG2100885-001	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.479 mg/L	0.5 mg/L	95.8	75.0	125	----
Anions and Nutrients (QCLot: 343649)										
RG2100885-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	99.9 mg/L	100 mg/L	99.9	75.0	125	----
Anions and Nutrients (QCLot: 343650)										
RG2100885-001	Anonymous	chloride	16887-00-6	E235.Cl	98.2 mg/L	100 mg/L	98.2	75.0	125	----
Anions and Nutrients (QCLot: 343651)										
RG2100885-001	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	2.46 mg/L	2.5 mg/L	98.5	75.0	125	----
Anions and Nutrients (QCLot: 343771)										
RG2100881-006	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	ND mg/L	100 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 344757)										
RG2100881-009	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	ND mg/L	2.5 mg/L	ND	70.0	130	----
Anions and Nutrients (QCLot: 344770)										
RG2100881-019	Anonymous	ammonia, total (as N)	7664-41-7	E298	ND mg/L	0.1 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 344771)										
RG2100889-001	Anonymous	phosphorus, total	7723-14-0	E372-U	0.0932 mg/L	0.1 mg/L	93.2	70.0	130	----
Cyanides (QCLot: 344994)										
CG2105599-001	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.176 mg/L	0.25 mg/L	70.6	70.0	130	----
Cyanides (QCLot: 344995)										
SK2105810-004	01_TSF_W48	cyanide, weak acid dissociable	----	E336	0.135 mg/L	0.125 mg/L	108	70.0	130	----
Dissolved Metals (QCLot: 344106)										
RG2100881-002	Anonymous	aluminum, dissolved	7429-90-5	E421	0.201 mg/L	0.2 mg/L	100	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0199 mg/L	0.02 mg/L	99.5	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0412 mg/L	0.04 mg/L	103	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00944 mg/L	0.01 mg/L	94.4	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 344106) - continued										
RG2100881-002	Anonymous	boron, dissolved	7440-42-8	E421	ND mg/L	0.1 mg/L	ND	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00402 mg/L	0.004 mg/L	100	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.0100 mg/L	0.01 mg/L	100	70.0	130	----
		chromium, dissolved	7440-47-3	E421	0.0400 mg/L	0.04 mg/L	100	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0190 mg/L	0.02 mg/L	95.1	70.0	130	----
		copper, dissolved	7440-50-8	E421	0.0182 mg/L	0.02 mg/L	91.1	70.0	130	----
		iron, dissolved	7439-89-6	E421	1.78 mg/L	2 mg/L	89.1	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0195 mg/L	0.02 mg/L	97.3	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.0884 mg/L	0.1 mg/L	88.4	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0358 mg/L	0.04 mg/L	89.5	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	11.5 mg/L	10 mg/L	115	70.0	130	----
		potassium, dissolved	7440-09-7	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0196 mg/L	0.02 mg/L	97.9	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0450 mg/L	0.04 mg/L	112	70.0	130	----
		silicon, dissolved	7440-21-3	E421	ND mg/L	10 mg/L	ND	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00313 mg/L	0.004 mg/L	78.3	70.0	130	----
		sodium, dissolved	17341-25-2	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0386 mg/L	0.04 mg/L	96.6	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00378 mg/L	0.004 mg/L	94.6	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0200 mg/L	0.02 mg/L	100	70.0	130	----
		tin, dissolved	7440-31-5	E421	0.0204 mg/L	0.02 mg/L	102	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0411 mg/L	0.04 mg/L	103	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0198 mg/L	0.02 mg/L	98.9	70.0	130	----
		uranium, dissolved	7440-61-1	E421	0.00416 mg/L	0.004 mg/L	104	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.0997 mg/L	0.1 mg/L	99.7	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.363 mg/L	0.4 mg/L	90.9	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0411 mg/L	0.04 mg/L	103	70.0	130	----

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 17 -

Page 1 of

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)
Quality Control (QC) Report with Report ☑ YES ☐ NO
☐ Compare Results to Criteria on Report - provide details below if box checked
Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2
Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Email 1 or Fax jrobertson@okc-sk.com
Email 2

Oil and Gas Required Fields (client use)

AFE/Cost Center: | PO#
Major/Minor Code: | Routing Code:
Requisitioner:
Location:

Project Information

ALS Account # / Quote #: Q83455
Job #: 948-021
PO / AFE:
LSD:

ALS Lab Work Order # (lab use only):

ALS Contact: Sampler:

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	F/P	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	01_TSF_W45	21-Oct-21	14:00	Leachate	1				R							Y
	01_TSF_W46	28-Oct-21	12:00	Leachate	1				R							Y
	01_TSF_W47	4-Nov-21	13:00	Leachate	1				R							Y
	01_TSF_W48	10-Nov-21	13:17	Leachate	4		R	R		R	R	R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ YES ☑ NO

Are samples for human consumption/ use? ☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | Ice Packs ☐ Ice Cubes ☐ | Cooling Initiated ☐

SIF Observations Yes ☐ No ☐

Custody seal intact Yes ☐ No ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
7.3							

SHIPMENT RELEASE (client use)

Released by: Jared Robertson | Date: November 10, 2021 | Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by: ME3 | Date: 10/11/21 | Time: 4:08

FINAL SHIPMENT RECEPTION (lab use only)

Received by: ME3 | Date: 10/11/21 | Time: 4:08

NOV 2018 FRONT

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **SK2106353**	Page	: 1 of 5
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon SK Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 10-Dec-2021 14:56
PO	: ----	Date Analysis Commenced	: 10-Dec-2021
C-O-C number	: ----	Issue Date	: 20-Dec-2021 18:02
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Sara Niroomand		Inorganics, Calgary, Alberta

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).

Unit	*Description*
-	No Unit
%	percent
µS/cm	Microsiemens per centimetre
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Sample Comments

Sample	Client Id	*Comment*
SK2106353-002	01_TSF_W50	Received 2 samples marked 01_TSF_W51, missing W50. 1 container lists a time of 16:25, will assume this is the missing W50
SK2106353-003	01_TSF_W51	Received 2 samples marked 01_TSF_W51, missing W50. 1 container lists a time of 16:25, will assume this is the missing W50

Qualifiers

Qualifier	*Description*
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W49	01_TSF_W50	01_TSF_W51	01_TSF_W52	----
					Client sampling date / time	18-Nov-2021 14:50	29-Nov-2021 16:25	02-Dec-2021 10:15	09-Dec-2021 12:00	----
						SK2106353-001	SK2106353-002	SK2106353-003	SK2106353-004	--------
						Result	Result	Result	Result	----
Physical Tests										
hardness (as CaCO3), dissolved	----	EC100	0.50	mg/L		----	----	----	1550	----
conductivity	----	E100	2.0	µS/cm		----	----	----	2590	----
pH	----	E108	0.10	pH units		----	----	----	7.89	----
alkalinity, bicarbonate (as HCO3)	71-52-3	E290	1.0	mg/L		----	----	----	234	----
alkalinity, carbonate (as CO3)	3812-32-6	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, hydroxide (as OH)	14280-30-9	E290	1.0	mg/L		----	----	----	<1.0	----
alkalinity, total (as CaCO3)	----	E290	2.0	mg/L		----	----	----	192	----
solids, total dissolved [TDS], calculated	----	EC103	1.0	mg/L		----	----	----	2420	----
Anions and Nutrients										
ammonia, total (as N)	7664-41-7	E298	0.0050	mg/L		----	----	----	5.56	----
phosphorus, total	7723-14-0	E372-U	0.0020	mg/L		----	----	----	<0.0020	----
sulfate (as SO4)	14808-79-8	E235.SO4	0.30	mg/L		1490	1490	1430	1590	----
Kjeldahl nitrogen, total [TKN]	----	E318	0.200	mg/L		----	----	----	5.70	----
chloride	16887-00-6	E235.Cl	0.50	mg/L		----	----	----	<10.0 DLDS	----
fluoride	16984-48-8	E235.F	0.020	mg/L		----	----	----	<0.400 DLDS	----
nitrate (as N)	14797-55-8	E235.NO3	0.020	mg/L		----	----	----	<0.400 DLDS	----
nitrite (as N)	14797-65-0	E235.NO2	0.010	mg/L		----	----	----	<0.200 DLDS	----
nitrate + nitrite (as N)	----	EC235.N+N	0.0500	mg/L		----	----	----	<0.447	----
Cyanides										
cyanide, strong acid dissociable (total)	----	E333	0.0050	mg/L		----	----	----	0.149	----
cyanide, weak acid dissociable	----	E336	0.0050	mg/L		----	----	----	<0.0050	----
Ion Balance										
anion sum	----	EC101	0.10	meq/L		----	----	----	36.9	----
cation sum	----	EC101	0.10	meq/L		----	----	----	34.9	----
ion balance (cation-anion difference)	----	EC101	0.010	%		----	----	----	2.78	----
ion balance (cations/anions ratio)	----	EC101	0.010	%		----	----	----	94.6	----
Dissolved Metals										
aluminum, dissolved	7429-90-5	E421	0.0010	mg/L		----	----	----	0.0203	----
antimony, dissolved	7440-36-0	E421	0.00010	mg/L		----	----	----	0.00232	----
arsenic, dissolved	7440-38-2	E421	0.00010	mg/L		----	----	----	0.103	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W49	01_TSF_W50	01_TSF_W51	01_TSF_W52	----
					Client sampling date / time	18-Nov-2021 14:50	29-Nov-2021 16:25	02-Dec-2021 10:15	09-Dec-2021 12:00	----
						SK2106353-001	SK2106353-002	SK2106353-003	SK2106353-004	--------
						Result	Result	Result	Result	----
Dissolved Metals										
barium, dissolved	7440-39-3	E421	0.00010	mg/L		----	----	----	0.0243	----
beryllium, dissolved	7440-41-7	E421	0.000020	mg/L		----	----	----	<0.000040 DLDS	----
bismuth, dissolved	7440-69-9	E421	0.000050	mg/L		----	----	----	<0.000100 DLDS	----
boron, dissolved	7440-42-8	E421	0.010	mg/L		----	----	----	0.485	----
cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L		----	----	----	<0.0000500 DLM	----
calcium, dissolved	7440-70-2	E421	0.050	mg/L		----	----	----	541	----
cesium, dissolved	7440-46-2	E421	0.000010	mg/L		----	----	----	<0.000020 DLDS	----
chromium, dissolved	7440-47-3	E421	0.00050	mg/L		----	----	----	<0.00100 DLDS	----
cobalt, dissolved	7440-48-4	E421	0.00010	mg/L		----	----	----	0.00636	----
copper, dissolved	7440-50-8	E421	0.00020	mg/L		----	----	----	0.00165	----
iron, dissolved	7439-89-6	E421	0.030	mg/L		----	----	----	0.062	----
lead, dissolved	7439-92-1	E421	0.000050	mg/L		----	----	----	<0.000100 DLDS	----
lithium, dissolved	7439-93-2	E421	0.0010	mg/L		----	----	----	0.0027	----
magnesium, dissolved	7439-95-4	E421	0.0050	mg/L		----	----	----	48.4	----
manganese, dissolved	7439-96-5	E421	0.00500	mg/L		----	----	----	0.690	----
molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L		----	----	----	0.105	----
nickel, dissolved	7440-02-0	E421	0.00050	mg/L		----	----	----	0.00342	----
phosphorus, dissolved	7723-14-0	E421	0.050	mg/L		----	----	----	<0.100 DLDS	----
potassium, dissolved	7440-09-7	E421	0.050	mg/L		----	----	----	61.1	----
rubidium, dissolved	7440-17-7	E421	0.00020	mg/L		----	----	----	0.00624	----
selenium, dissolved	7782-49-2	E421	0.000050	mg/L		----	----	----	0.00561	----
silicon, dissolved	7440-21-3	E421	0.050	mg/L		----	----	----	6.01	----
silver, dissolved	7440-22-4	E421	0.000010	mg/L		----	----	----	<0.000020 DLDS	----
sodium, dissolved	7440-23-5	E421	0.050	mg/L		----	----	----	43.7	----
strontium, dissolved	7440-24-6	E421	0.00020	mg/L		----	----	----	1.34	----
sulfur, dissolved	7704-34-9	E421	0.50	mg/L		----	----	----	546	----
tellurium, dissolved	13494-80-9	E421	0.00020	mg/L		----	----	----	<0.00040 DLDS	----
thallium, dissolved	7440-28-0	E421	0.000010	mg/L		----	----	----	0.000022	----
thorium, dissolved	7440-29-1	E421	0.00010	mg/L		----	----	----	<0.00020 DLDS	----
tin, dissolved	7440-31-5	E421	0.00010	mg/L		----	----	----	0.00137	----
titanium, dissolved	7440-32-6	E421	0.00030	mg/L		----	----	----	<0.00060 DLDS	----

Analytical Results

Sub-Matrix: **Water**
(Matrix: **Water**)

Analyte	CAS Number	Method	LOR	Unit	Client sample ID	01_TSF_W49	01_TSF_W50	01_TSF_W51	01_TSF_W52	----
					Client sampling date / time	18-Nov-2021 14:50	29-Nov-2021 16:25	02-Dec-2021 10:15	09-Dec-2021 12:00	----
						SK2106353-001	**SK2106353-002**	**SK2106353-003**	**SK2106353-004**	--------
						Result	Result	Result	Result	----
Dissolved Metals										
tungsten, dissolved	7440-33-7	E421	0.00010	mg/L		----	----	----	<0.00020 DLDS	----
uranium, dissolved	7440-61-1	E421	0.000010	mg/L		----	----	----	0.00223	----
vanadium, dissolved	7440-62-2	E421	0.00050	mg/L		----	----	----	<0.00100 DLDS	----
zinc, dissolved	7440-66-6	E421	0.0010	mg/L		----	----	----	0.0059	----
zirconium, dissolved	7440-67-7	E421	0.00030	mg/L		----	----	----	<0.00060 DLDS	----
dissolved metals filtration location	----	EP421	-	-		----	----	----	Field	----

Please refer to the General Comments section for an explanation of any qualifiers detected.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **SK2106353**	Page	: 1 of 9
Client	: **O'Kane Consultants Inc.**	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 10-Dec-2021 14:56
PO	: ----	Issue Date	: 20-Dec-2021 18:02
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- No Test sample Surrogate recovery outliers exist.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers occur - please see following pages for full details.

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Ammonia by Fluorescence										
Amber glass total (sulfuric acid)										
01_TSF_W52	E298	09-Dec-2021	16-Dec-2021	----	----		16-Dec-2021	28 days	7 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE										
01_TSF_W52	E235.Cl	09-Dec-2021	----	----	----		10-Dec-2021	28 days	1 days	✓
Anions and Nutrients : Fluoride in Water by IC										
HDPE										
01_TSF_W52	E235.F	09-Dec-2021	----	----	----		10-Dec-2021	28 days	1 days	✓
Anions and Nutrients : Nitrate in Water by IC										
HDPE										
01_TSF_W52	E235.NO3	09-Dec-2021	----	----	----		10-Dec-2021	3 days	1 days	✓
Anions and Nutrients : Nitrite in Water by IC										
HDPE										
01_TSF_W52	E235.NO2	09-Dec-2021	----	----	----		10-Dec-2021	3 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W52	E235.SO4	09-Dec-2021	----	----	----		10-Dec-2021	28 days	1 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W50	E235.SO4	29-Nov-2021	----	----	----		10-Dec-2021	28 days	11 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W49	E235.SO4	18-Nov-2021	----	----	----		10-Dec-2021	28 days	22 days	✓
Anions and Nutrients : Sulfate in Water by IC										
HDPE										
01_TSF_W51	E235.SO4	02-Dec-2021	----	----	----		10-Dec-2021	28 days	8 days	✓
Anions and Nutrients : Total Kjeldahl Nitrogen by Fluorescence (Low Level)										
Amber glass total (sulfuric acid)										
01_TSF_W52	E318	09-Dec-2021	18-Dec-2021	----	----		18-Dec-2021	28 days	9 days	✓
Anions and Nutrients : Total Phosphorus by Colourimetry (Ultra Trace)										
Amber glass total (sulfuric acid)										
01_TSF_W52	E372-U	09-Dec-2021	17-Dec-2021	----	----		17-Dec-2021	28 days	8 days	✓
Cyanides : Total Cyanide										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W52	E333	09-Dec-2021	----	----	----		16-Dec-2021	14 days	7 days	✓
Cyanides : WAD Cyanide										
UV inhibited HDPE - total (sodium hydroxide)										
01_TSF_W52	E336	09-Dec-2021	----	----	----		16-Dec-2021	14 days	7 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid)										
01_TSF_W52	E421	09-Dec-2021	13-Dec-2021	----	----		13-Dec-2021	180 days	4 days	✓
Physical Tests : Alkalinity Species by Titration										
HDPE										
01_TSF_W52	E290	09-Dec-2021	----	----	----		10-Dec-2021	14 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE										
01_TSF_W52	E100	09-Dec-2021	----	----	----		10-Dec-2021	28 days	1 days	✓

Matrix: **Water**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : pH by Meter										
HDPE										
01_TSF_W52	E108	09-Dec-2021	----	----	----		10-Dec-2021	0.25 hrs	29 hrs	× EHTR-FM

Legend & Qualifier Definitions

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Alkalinity Species by Titration	E290	364888	1	11	9.0	5.0	✓
Ammonia by Fluorescence	E298	370121	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	364902	1	15	6.6	5.0	✓
Conductivity in Water	E100	364887	1	11	9.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	365994	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	364899	1	15	6.6	5.0	✓
Nitrate in Water by IC	E235.NO3	364903	1	16	6.2	5.0	✓
Nitrite in Water by IC	E235.NO2	364900	1	16	6.2	5.0	✓
pH by Meter	E108	364886	1	11	9.0	5.0	✓
Sulfate in Water by IC	E235.SO4	364901	1	18	5.5	5.0	✓
Total Cyanide	E333	369550	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	370441	1	2	50.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	370113	1	1	100.0	5.0	✓
WAD Cyanide	E336	369551	1	1	100.0	5.0	✓
Laboratory Control Samples (LCS)							
Alkalinity Species by Titration	E290	364888	1	11	9.0	5.0	✓
Ammonia by Fluorescence	E298	370121	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	364902	1	15	6.6	5.0	✓
Conductivity in Water	E100	364887	1	11	9.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	365994	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	364899	1	15	6.6	5.0	✓
Nitrate in Water by IC	E235.NO3	364903	1	16	6.2	5.0	✓
Nitrite in Water by IC	E235.NO2	364900	1	16	6.2	5.0	✓
pH by Meter	E108	364886	1	11	9.0	5.0	✓
Sulfate in Water by IC	E235.SO4	364901	1	18	5.5	5.0	✓
Total Cyanide	E333	369550	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	370441	1	2	50.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	370113	1	1	100.0	5.0	✓
WAD Cyanide	E336	369551	1	1	100.0	5.0	✓
Method Blanks (MB)							
Alkalinity Species by Titration	E290	364888	1	11	9.0	5.0	✓
Ammonia by Fluorescence	E298	370121	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	364902	1	15	6.6	5.0	✓
Conductivity in Water	E100	364887	1	11	9.0	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	365994	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	364899	1	15	6.6	5.0	✓
Nitrate in Water by IC	E235.NO3	364903	1	16	6.2	5.0	✓

Matrix: **Water**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB) - Continued							
Nitrite in Water by IC	E235.NO2	364900	1	16	6.2	5.0	✓
Sulfate in Water by IC	E235.SO4	364901	1	18	5.5	5.0	✓
Total Cyanide	E333	369550	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	370441	1	2	50.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	370113	1	1	100.0	5.0	✓
WAD Cyanide	E336	369551	1	1	100.0	5.0	✓
Matrix Spikes (MS)							
Ammonia by Fluorescence	E298	370121	1	20	5.0	5.0	✓
Chloride in Water by IC	E235.Cl	364902	1	15	6.6	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	365994	1	20	5.0	5.0	✓
Fluoride in Water by IC	E235.F	364899	1	15	6.6	5.0	✓
Nitrate in Water by IC	E235.NO3	364903	1	16	6.2	5.0	✓
Nitrite in Water by IC	E235.NO2	364900	1	16	6.2	5.0	✓
Sulfate in Water by IC	E235.SO4	364901	1	18	5.5	5.0	✓
Total Cyanide	E333	369550	1	4	25.0	5.0	✓
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318	370441	1	2	50.0	5.0	✓
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U	370113	0	1	0.0	5.0	×
WAD Cyanide	E336	369551	1	1	100.0	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Conductivity in Water	E100 Saskatoon - Environmental	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 Saskatoon - Environmental	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Fluoride in Water by IC	E235.F Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrite in Water by IC	E235.NO2 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Nitrate in Water by IC	E235.NO3 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Sulfate in Water by IC	E235.SO4 Saskatoon - Environmental	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
Alkalinity Species by Titration	E290 Saskatoon - Environmental	Water	APHA 2320 B (mod)	Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.
Ammonia by Fluorescence	E298 Calgary - Environmental	Water	J. Environ. Monit., 2005, 7, 37-42 (mod)	Ammonia in water is analyzed by flow-injection analysis with fluorescence detection after reaction with orthophthaldialdehyde (OPA).
Total Kjeldahl Nitrogen by Fluorescence (Low Level)	E318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Total Kjeldahl Nitrogen is determined using block digestion followed by flow-injection analysis with fluorescence detection.

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Total Cyanide	E333 Waterloo - Environmental	Water	ISO 14403 (mod)	Total or Strong Acid Dissociable (SAD) Cyanide is determined by Continuous Flow Analyzer (CFA) with in-line UV digestion followed by colourmetric analysis. Method Limitation: High levels of thiocyanate (SCN) may cause positive interference (up to 0.5% of SCN concentration).
WAD Cyanide	E336 Waterloo - Environmental	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by Continuous Flow Analyzer (CFA) with in-line distillation followed by colourmetric analysis.
Total Phosphorus by Colourimetry (Ultra Trace)	E372-U Calgary - Environmental	Water	APHA 4500-P E (mod).	Total Phosphorus is determined colourimetrically using a discrete analyzer after heated persulfate digestion of the sample.
Dissolved Metals in Water by CRC ICPMS	E421 Saskatoon - Environmental	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Hardness (Calculated)	EC100 Saskatoon - Environmental	Water	APHA 2340B	"Hardness (as CaCO3), dissolved" is calculated from the sum of dissolved Calcium and Magnesium concentrations, expressed in $CaCO_3$ equivalents. "Total Hardness" refers to the sum of Calcium and Magnesium Hardness. Hardness is normally or preferentially calculated from dissolved Calcium and Magnesium concentrations, because it is a property of water due to dissolved divalent cations.
Ion Balance using Dissolved Metals	EC101 Saskatoon - Environmental	Water	APHA 1030E	Cation Sum, Anion Sum, and Ion Balance are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present. Ion Balance cannot be calculated accurately for waters with very low electrical conductivity (EC).
TDS in Water (Calculation)	EC103 Saskatoon - Environmental	Water	APHA 1030E (mod)	Total Dissolved Solids is calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Dissolved species are used where available. Minor ions are included where data is present.
Nitrate and Nitrite (as N) (Calculation)	EC235.N+N Saskatoon - Environmental	Water	EPA 300.0	Nitrate and Nitrite (as N) is a calculated parameter. Nitrate and Nitrite (as N) = Nitrite (as N) + Nitrate (as N).

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Preparation for Ammonia	EP298 Calgary - Environmental	Water		Sample preparation for Preserved Nutrients Water Quality Analysis.
Digestion for TKN in water	EP318 Calgary - Environmental	Water	APHA 4500-Norg D (mod)	Samples are digested using block digestion with Copper Sulfate Digestion Reagent.
Digestion for Total Phosphorus in water	EP372 Calgary - Environmental	Water	APHA 4500-P E (mod).	Samples are heated with a persulfate digestion reagent.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Dissolved Metals Water Filtration	EP421 Saskatoon - Environmental	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.

QUALITY CONTROL REPORT

Work Order	: **SK2106353**	Page	: 1 of 10
Client	: O'Kane Consultants Inc.	Laboratory	: Saskatoon - Environmental
Contact	: Jared Robertson	Account Manager	: Brian Morgan
Address	: 112 - 112 Research Drive Saskatoon SK Canada S7N 3R3	Address	: 819 58 Street East Saskatoon, Saskatchewan Canada S7K 6X5
Telephone	: 250 420 7010	Telephone	: 1 306 221 7147
Project	: 948-021	Date Samples Received	: 10-Dec-2021 14:56
PO	: ----	Date Analysis Commenced	: 10-Dec-2021
C-O-C number	: ----	Issue Date	: 20-Dec-2021 18:02
Sampler	: ----		
Site	: ----		
Quote number	: Q83455		
No. of samples received	: 4		
No. of samples analysed	: 4		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits
- Reference Material (RM) Report; Recovery and Acceptance Limits
- Method Blank (MB) Report; Recovery and Acceptance Limits
- Laboratory Control Sample (LCS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Colby Bingham	Quality Systems Coordinator	Inorganics, Saskatoon, Saskatchewan
Colby Bingham	Quality Systems Coordinator	Metals, Saskatoon, Saskatchewan
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Hedy Lai	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Lian Nesbitt	Laboratory Analyst	Metals, Saskatoon, Saskatchewan
Melissa Houseman	Team Leader - Inorganics	Inorganics, Saskatoon, Saskatchewan
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Sara Niroomand		Inorganics, Calgary, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percentage Difference
# = Indicates a QC result that did not meet the ALS DQO.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test specific).

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 364886)											
SK2106352-001	Anonymous	pH	----	E108	0.10	pH units	7.93	7.96	0.395%	3%	----
Physical Tests (QC Lot: 364887)											
SK2106352-001	Anonymous	conductivity	----	E100	2.0	µS/cm	478	469	1.90%	10%	----
Physical Tests (QC Lot: 364888)											
SK2106352-001	Anonymous	alkalinity, total (as CaCO3)	----	E290	2.0	mg/L	220	213	3.12%	20%	----
Anions and Nutrients (QC Lot: 364899)											
SK2106337-001	Anonymous	fluoride	16984-48-8	E235.F	0.040	mg/L	0.138	0.127	0.011	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 364900)											
SK2106337-001	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.020	mg/L	<0.020	<0.020	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 364901)											
SK2106337-001	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	0.60	mg/L	4.76	4.86	0.10	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 364902)											
SK2106337-001	Anonymous	chloride	16887-00-6	E235.Cl	1.00	mg/L	<1.00	<1.00	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 364903)											
SK2106337-001	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	0.040	mg/L	<0.040	<0.040	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 370113)											
SK2106353-004	01_TSF_W52	phosphorus, total	7723-14-0	E372-U	0.0020	mg/L	<0.0020	<0.0020	0	Diff <2x LOR	----
Anions and Nutrients (QC Lot: 370121)											
CG2106805-002	Anonymous	ammonia, total (as N)	7664-41-7	E298	0.250	mg/L	6.88	6.88	0.0480%	20%	----
Anions and Nutrients (QC Lot: 370441)											
EO2104401-001	Anonymous	Kjeldahl nitrogen, total [TKN]	----	E318	0.100	mg/L	0.389	0.339	0.050	Diff <2x LOR	----
Cyanides (QC Lot: 369550)											
EO2104361-005	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.0020	mg/L	<0.0020	<0.0020	0	Diff <2x LOR	----
Cyanides (QC Lot: 369551)											
SK2106353-004	01_TSF_W52	cyanide, weak acid dissociable	----	E336	0.0050	mg/L	<0.0050	<0.0050	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 365994)											
SK2106328-001	Anonymous	aluminum, dissolved	7429-90-5	E421	0.0010	mg/L	0.0626	0.0621	0.744%	20%	----
		antimony, dissolved	7440-36-0	E421	0.00010	mg/L	0.00014	0.00014	0.0000003	Diff <2x LOR	----
		arsenic, dissolved	7440-38-2	E421	0.00010	mg/L	0.382	0.383	0.345%	20%	----
		barium, dissolved	7440-39-3	E421	0.00010	mg/L	0.0430	0.0442	2.60%	20%	----
		beryllium, dissolved	7440-41-7	E421	0.000020	mg/L	<0.000020	<0.000020	0	Diff <2x LOR	----

Sub-Matrix: **Water**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Dissolved Metals (QC Lot: 365994) - continued											
SK2106328-001	Anonymous	bismuth, dissolved	7440-69-9	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		boron, dissolved	7440-42-8	E421	0.010	mg/L	0.024	0.025	0.001	Diff <2x LOR	----
		cadmium, dissolved	7440-43-9	E421	0.0000050	mg/L	0.0000062	0.0000064	0.0000002	Diff <2x LOR	----
		calcium, dissolved	7440-70-2	E421	0.050	mg/L	41.2	42.0	1.91%	20%	----
		cesium, dissolved	7440-46-2	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		chromium, dissolved	7440-47-3	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		cobalt, dissolved	7440-48-4	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		copper, dissolved	7440-50-8	E421	0.00020	mg/L	0.344	0.332	3.46%	20%	----
		iron, dissolved	7439-89-6	E421	0.010	mg/L	<0.010	<0.010	0	Diff <2x LOR	----
		lead, dissolved	7439-92-1	E421	0.000050	mg/L	<0.000050	<0.000050	0	Diff <2x LOR	----
		lithium, dissolved	7439-93-2	E421	0.0010	mg/L	0.0110	0.0113	2.47%	20%	----
		magnesium, dissolved	7439-95-4	E421	0.0050	mg/L	19.2	19.8	2.95%	20%	----
		manganese, dissolved	7439-96-5	E421	0.00010	mg/L	0.133	0.132	0.798%	20%	----
		molybdenum, dissolved	7439-98-7	E421	0.000050	mg/L	0.00148	0.00147	0.800%	20%	----
		nickel, dissolved	7440-02-0	E421	0.00050	mg/L	0.0255	0.0255	0.0725%	20%	----
		phosphorus, dissolved	7723-14-0	E421	0.050	mg/L	0.215	0.202	0.012	Diff <2x LOR	----
		potassium, dissolved	7440-09-7	E421	0.050	mg/L	3.42	3.45	0.813%	20%	----
		rubidium, dissolved	7440-17-7	E421	0.00020	mg/L	0.00121	0.00118	0.00003	Diff <2x LOR	----
		selenium, dissolved	7782-49-2	E421	0.000050	mg/L	0.000348	0.000346	0.000003	Diff <2x LOR	----
		silicon, dissolved	7440-21-3	E421	0.050	mg/L	0.554	0.551	0.494%	20%	----
		silver, dissolved	7440-22-4	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		sodium, dissolved	7440-23-5	E421	0.050	mg/L	24.6	24.1	2.21%	20%	----
		strontium, dissolved	7440-24-6	E421	0.00020	mg/L	0.227	0.227	0.146%	20%	----
		sulfur, dissolved	7704-34-9	E421	0.50	mg/L	32.5	32.1	1.34%	20%	----
		tellurium, dissolved	13494-80-9	E421	0.00020	mg/L	<0.00020	<0.00020	0	Diff <2x LOR	----
		thallium, dissolved	7440-28-0	E421	0.000010	mg/L	<0.000010	<0.000010	0	Diff <2x LOR	----
		thorium, dissolved	7440-29-1	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		tin, dissolved	7440-31-5	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		titanium, dissolved	7440-32-6	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----
		tungsten, dissolved	7440-33-7	E421	0.00010	mg/L	<0.00010	<0.00010	0	Diff <2x LOR	----
		uranium, dissolved	7440-61-1	E421	0.000010	mg/L	0.00115	0.00112	2.84%	20%	----
		vanadium, dissolved	7440-62-2	E421	0.00050	mg/L	<0.00050	<0.00050	0	Diff <2x LOR	----
		zinc, dissolved	7440-66-6	E421	0.0010	mg/L	0.0237	0.0244	2.99%	20%	----
		zirconium, dissolved	7440-67-7	E421	0.00030	mg/L	<0.00030	<0.00030	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 364887)						
conductivity	----	E100	1	µS/cm	1.2	----
Physical Tests (QCLot: 364888)						
alkalinity, total (as CaCO3)	----	E290	1	mg/L	<1.0	----
Anions and Nutrients (QCLot: 364899)						
fluoride	16984-48-8	E235.F	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 364900)						
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	<0.010	----
Anions and Nutrients (QCLot: 364901)						
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	<0.30	----
Anions and Nutrients (QCLot: 364902)						
chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	----
Anions and Nutrients (QCLot: 364903)						
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	<0.020	----
Anions and Nutrients (QCLot: 370113)						
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	<0.0020	----
Anions and Nutrients (QCLot: 370121)						
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	<0.0050	----
Anions and Nutrients (QCLot: 370441)						
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	<0.050	----
Cyanides (QCLot: 369550)						
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	<0.0020	----
Cyanides (QCLot: 369551)						
cyanide, weak acid dissociable	----	E336	0.002	mg/L	<0.0020	----
Dissolved Metals (QCLot: 365994)						
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	<0.0010	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	----
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	<0.000050	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	<0.050	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Dissolved Metals (QCLot: 365994) - continued						
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	<0.000010	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	<0.010	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	<0.0010	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	<0.0050	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	<0.00010	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	<0.050	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	<0.050	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	<0.00020	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	<0.050	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	----
sodium, dissolved	7440-23-5	E421	0.05	mg/L	<0.050	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	<0.00020	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	<0.50	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	<0.00020	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	<0.00010	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	<0.00010	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	<0.00030	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	<0.00010	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	<0.00020	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Water**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 364886)									
pH	----	E108	----	pH units	6.86 pH units	100	98.0	102	----
Physical Tests (QCLot: 364887)									
conductivity	----	E100	1	µS/cm	1000 µS/cm	99.0	90.0	110	----
Physical Tests (QCLot: 364888)									
alkalinity, total (as CaCO3)	----	E290	1	mg/L	500 mg/L	98.6	85.0	115	----
Anions and Nutrients (QCLot: 364899)									
fluoride	16984-48-8	E235.F	0.02	mg/L	1 mg/L	98.6	90.0	110	----
Anions and Nutrients (QCLot: 364900)									
nitrite (as N)	14797-65-0	E235.NO2	0.01	mg/L	0.5 mg/L	99.8	90.0	110	----
Anions and Nutrients (QCLot: 364901)									
sulfate (as SO4)	14808-79-8	E235.SO4	0.3	mg/L	100 mg/L	104	90.0	110	----
Anions and Nutrients (QCLot: 364902)									
chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 364903)									
nitrate (as N)	14797-55-8	E235.NO3	0.02	mg/L	2.5 mg/L	103	90.0	110	----
Anions and Nutrients (QCLot: 370113)									
phosphorus, total	7723-14-0	E372-U	0.002	mg/L	8.02 mg/L	94.5	80.0	120	----
Anions and Nutrients (QCLot: 370121)									
ammonia, total (as N)	7664-41-7	E298	0.005	mg/L	0.2 mg/L	106	85.0	115	----
Anions and Nutrients (QCLot: 370441)									
Kjeldahl nitrogen, total [TKN]	----	E318	0.05	mg/L	4 mg/L	97.5	75.0	125	----
Cyanides (QCLot: 369550)									
cyanide, strong acid dissociable (total)	----	E333	0.002	mg/L	0.25 mg/L	99.1	80.0	120	----
Cyanides (QCLot: 369551)									
cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	102	80.0	120	----
Dissolved Metals (QCLot: 365994)									
aluminum, dissolved	7429-90-5	E421	0.001	mg/L	2 mg/L	99.4	80.0	120	----
antimony, dissolved	7440-36-0	E421	0.0001	mg/L	1 mg/L	100	80.0	120	----
arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	1 mg/L	98.8	80.0	120	----
barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.25 mg/L	94.6	80.0	120	----
beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.1 mg/L	99.5	80.0	120	----

Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report: Spike Concentration	Recovery (%): LCS	Recovery Limits (%): Low	Recovery Limits (%): High	Qualifier
Dissolved Metals (QCLot: 365994) - continued									
bismuth, dissolved	7440-69-9	E421	0.00005	mg/L	1 mg/L	102	80.0	120	----
boron, dissolved	7440-42-8	E421	0.01	mg/L	1 mg/L	102	80.0	120	----
cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.1 mg/L	99.0	80.0	120	----
calcium, dissolved	7440-70-2	E421	0.05	mg/L	50 mg/L	97.1	80.0	120	----
cesium, dissolved	7440-46-2	E421	0.00001	mg/L	0.05 mg/L	102	80.0	120	----
chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.25 mg/L	99.2	80.0	120	----
cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.25 mg/L	98.1	80.0	120	----
copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.25 mg/L	96.8	80.0	120	----
iron, dissolved	7439-89-6	E421	0.01	mg/L	1 mg/L	105	80.0	120	----
lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.5 mg/L	98.4	80.0	120	----
lithium, dissolved	7439-93-2	E421	0.001	mg/L	0.25 mg/L	100	80.0	120	----
magnesium, dissolved	7439-95-4	E421	0.005	mg/L	50 mg/L	98.5	80.0	120	----
manganese, dissolved	7439-96-5	E421	0.0001	mg/L	0.25 mg/L	97.5	80.0	120	----
molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.25 mg/L	103	80.0	120	----
nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.5 mg/L	97.0	80.0	120	----
phosphorus, dissolved	7723-14-0	E421	0.05	mg/L	10 mg/L	104	80.0	120	----
potassium, dissolved	7440-09-7	E421	0.05	mg/L	50 mg/L	98.4	80.0	120	----
rubidium, dissolved	7440-17-7	E421	0.0002	mg/L	0.1 mg/L	104	80.0	120	----
selenium, dissolved	7782-49-2	E421	0.00005	mg/L	1 mg/L	95.4	80.0	120	----
silicon, dissolved	7440-21-3	E421	0.05	mg/L	10 mg/L	99.9	80.0	120	----
silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.1 mg/L	98.9	80.0	120	----
sodium, dissolved	7440-23-5	E421	0.05	mg/L	50 mg/L	104	80.0	120	----
strontium, dissolved	7440-24-6	E421	0.0002	mg/L	0.25 mg/L	96.5	80.0	120	----
sulfur, dissolved	7704-34-9	E421	0.5	mg/L	50 mg/L	104	80.0	120	----
tellurium, dissolved	13494-80-9	E421	0.0002	mg/L	0.1 mg/L	96.8	80.0	120	----
thallium, dissolved	7440-28-0	E421	0.00001	mg/L	1 mg/L	96.5	80.0	120	----
thorium, dissolved	7440-29-1	E421	0.0001	mg/L	0.1 mg/L	97.6	80.0	120	----
tin, dissolved	7440-31-5	E421	0.0001	mg/L	0.5 mg/L	95.6	80.0	120	----
titanium, dissolved	7440-32-6	E421	0.0003	mg/L	0.25 mg/L	92.1	80.0	120	----
tungsten, dissolved	7440-33-7	E421	0.0001	mg/L	0.1 mg/L	96.8	80.0	120	----
uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0.005 mg/L	101	80.0	120	----
vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.5 mg/L	96.3	80.0	120	----
zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.5 mg/L	93.9	80.0	120	----
zirconium, dissolved	7440-67-7	E421	0.0002	mg/L	0.1 mg/L	101	80.0	120	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 364899)										
SK2106337-002	Anonymous	fluoride	16984-48-8	E235.F	0.996 mg/L	1 mg/L	99.6	75.0	125	----
Anions and Nutrients (QCLot: 364900)										
SK2106337-002	Anonymous	nitrite (as N)	14797-65-0	E235.NO2	0.490 mg/L	0.5 mg/L	98.0	75.0	125	----
Anions and Nutrients (QCLot: 364901)										
SK2106337-002	Anonymous	sulfate (as SO4)	14808-79-8	E235.SO4	102 mg/L	100 mg/L	102	75.0	125	----
Anions and Nutrients (QCLot: 364902)										
SK2106337-002	Anonymous	chloride	16887-00-6	E235.Cl	102 mg/L	100 mg/L	102	75.0	125	----
Anions and Nutrients (QCLot: 364903)										
SK2106337-002	Anonymous	nitrate (as N)	14797-55-8	E235.NO3	2.55 mg/L	2.5 mg/L	102	75.0	125	----
Anions and Nutrients (QCLot: 370121)										
CG2106805-002	Anonymous	ammonia, total (as N)	7664-41-7	E298	ND mg/L	0.1 mg/L	ND	75.0	125	----
Anions and Nutrients (QCLot: 370441)										
SK2106353-004	01_TSF_W52	Kjeldahl nitrogen, total [TKN]	----	E318	ND mg/L	2.5 mg/L	ND	70.0	130	----
Cyanides (QCLot: 369550)										
EO2104361-005	Anonymous	cyanide, strong acid dissociable (total)	----	E333	0.240 mg/L	0.25 mg/L	96.0	70.0	130	----
Cyanides (QCLot: 369551)										
SK2106353-004	01_TSF_W52	cyanide, weak acid dissociable	----	E336	0.128 mg/L	0.125 mg/L	102	70.0	130	----
Dissolved Metals (QCLot: 365994)										
SK2106328-002	Anonymous	aluminum, dissolved	7429-90-5	E421	0.211 mg/L	0.2 mg/L	106	70.0	130	----
		antimony, dissolved	7440-36-0	E421	0.0207 mg/L	0.02 mg/L	104	70.0	130	----
		arsenic, dissolved	7440-38-2	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		barium, dissolved	7440-39-3	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		beryllium, dissolved	7440-41-7	E421	0.0399 mg/L	0.04 mg/L	99.8	70.0	130	----
		bismuth, dissolved	7440-69-9	E421	0.00929 mg/L	0.01 mg/L	92.9	70.0	130	----
		boron, dissolved	7440-42-8	E421	0.098 mg/L	0.1 mg/L	97.7	70.0	130	----
		cadmium, dissolved	7440-43-9	E421	0.00397 mg/L	0.004 mg/L	99.3	70.0	130	----
		calcium, dissolved	7440-70-2	E421	ND mg/L	4 mg/L	ND	70.0	130	----
		cesium, dissolved	7440-46-2	E421	0.0102 mg/L	0.01 mg/L	102	70.0	130	----

Sub-Matrix: **Water**

					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Dissolved Metals (QCLot: 365994) - continued										
SK2106328-002	Anonymous	chromium, dissolved	7440-47-3	E421	0.0414 mg/L	0.04 mg/L	104	70.0	130	----
		cobalt, dissolved	7440-48-4	E421	0.0200 mg/L	0.02 mg/L	99.8	70.0	130	----
		copper, dissolved	7440-50-8	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		iron, dissolved	7439-89-6	E421	1.97 mg/L	2 mg/L	98.4	70.0	130	----
		lead, dissolved	7439-92-1	E421	0.0199 mg/L	0.02 mg/L	99.6	70.0	130	----
		lithium, dissolved	7439-93-2	E421	0.0972 mg/L	0.1 mg/L	97.2	70.0	130	----
		magnesium, dissolved	7439-95-4	E421	ND mg/L	1 mg/L	ND	70.0	130	----
		manganese, dissolved	7439-96-5	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		molybdenum, dissolved	7439-98-7	E421	0.0208 mg/L	0.02 mg/L	104	70.0	130	----
		nickel, dissolved	7440-02-0	E421	0.0388 mg/L	0.04 mg/L	97.1	70.0	130	----
		phosphorus, dissolved	7723-14-0	E421	11.1 mg/L	10 mg/L	111	70.0	130	----
		potassium, dissolved	7440-09-7	E421	4.72 mg/L	4 mg/L	118	70.0	130	----
		rubidium, dissolved	7440-17-7	E421	0.0216 mg/L	0.02 mg/L	108	70.0	130	----
		selenium, dissolved	7782-49-2	E421	0.0445 mg/L	0.04 mg/L	111	70.0	130	----
		silicon, dissolved	7440-21-3	E421	9.94 mg/L	10 mg/L	99.4	70.0	130	----
		silver, dissolved	7440-22-4	E421	0.00386 mg/L	0.004 mg/L	96.4	70.0	130	----
		sodium, dissolved	7440-23-5	E421	ND mg/L	2 mg/L	ND	70.0	130	----
		strontium, dissolved	7440-24-6	E421	ND mg/L	0.02 mg/L	ND	70.0	130	----
		sulfur, dissolved	7704-34-9	E421	ND mg/L	20 mg/L	ND	70.0	130	----
		tellurium, dissolved	13494-80-9	E421	0.0397 mg/L	0.04 mg/L	99.2	70.0	130	----
		thallium, dissolved	7440-28-0	E421	0.00405 mg/L	0.004 mg/L	101	70.0	130	----
		thorium, dissolved	7440-29-1	E421	0.0221 mg/L	0.02 mg/L	110	70.0	130	----
		tin, dissolved	7440-31-5	E421	0.0200 mg/L	0.02 mg/L	99.8	70.0	130	----
		titanium, dissolved	7440-32-6	E421	0.0392 mg/L	0.04 mg/L	98.1	70.0	130	----
		tungsten, dissolved	7440-33-7	E421	0.0213 mg/L	0.02 mg/L	107	70.0	130	----
		uranium, dissolved	7440-61-1	E421	0.00418 mg/L	0.004 mg/L	104	70.0	130	----
		vanadium, dissolved	7440-62-2	E421	0.104 mg/L	0.1 mg/L	104	70.0	130	----
		zinc, dissolved	7440-66-6	E421	0.401 mg/L	0.4 mg/L	100	70.0	130	----
		zirconium, dissolved	7440-67-7	E421	0.0418 mg/L	0.04 mg/L	104	70.0	130	----

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Numb

Environmental Division Saskatoon

Work Order Reference SK2106353

Telephone : +1 306 668 8370

Report To	Contact and company name below will appear on the final report
Company:	Okane Consultants
Contact:	Jared Robertson
Phone:	1 (306) 713-1695
	Company address below will appear on the final report
Street:	112-112 Research Drive
City/Province:	Saskatoon, SK
Postal Code:	S7N 3R3
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☑ YES ☐ NO
Company:	
Contact:	

Report Format / Distribution

Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☑ YES ☐ NO

☐ Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Email 3

Invoice Distribution

Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax jrobertson@okc-sk.com

Email 2

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

Select Service Level Below - Contact your A

Regular [R] ☑ Standard TAT if received b

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Busi | Same D | (Labora

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service leve

Project Information

Account # / Quote #: Q83455

#: 948-021

AFE:

:

ALS Contact: Sampler:

ALS Lab Work Order # (lab use only):

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	F/P	MET-D-CCMS-SK	ROU+F-SK	SO4-IC-N-CL	CN-T-CFA-VA	CN-WAD-CFA-VA	NH3	TKN	PT	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	01_TSF_W49	18-Nov-21	14:50	Leachate	1				R							Y
	01_TSF_W50	29-Nov-21	16:25	Leachate	1				R							Y
	01_TSF_W51	2-Dec-21	10:15	Leachate	1				R							Y
	01_TSF_W52	9-Dec-21	12:00	Leachate	4		R	R		R	R	R	R	R		Y

Drinking Water (DW) Samples[1] (client use)

Were samples taken from a Regulated DW System?

☐ YES ☑ NO

Are samples for human consumption/ use?

☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Suspected hazards: elevated metals, potential for low levels of cyanide

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
7.6°C					

SHIPMENT RELEASE (client use)

Released by: Jared Robertson	Date: December 09, 2021	Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by: WH	Date: 12/10/21	Time: 2:56

FINAL SHIPMENT RECEPTION (lab use only)

Received by:	Date: 10-12	Time: 4

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NOV 2018 FRONT

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form.**

Appendix D

Mineral Liberation Analysis

Mineral Liberation Analysis

Results for Sample 05-SED-NPAG-ACLC-05

Queen's University

Prepared by: Agatha Dobosz

Sept 17, 2022

CONTENTS

.xlsx	**Title**	**Details**
Sheet 1	Contents	
Sheet 2	ModMin_XMOD	Modal Mineralogy by Point Counting
Sheet 3	ElDist_XMOD	Elemental Distribution by Point Counting
Sheet 4	CalcAssay_XMOD	Calculated Assay by Point Counting
Sheet 5	Sparse Phase Mineralogy - SPL	Sparse Phase Results - Distribution of As, Mineral Association for As-bearing phases, Detailed Sparse Phase Mineralogy
Sheet 6	MinRef	Mineral Reference Library
Sheet 7	MinLib - Arsenopyrite	Mineral Liberation by Free Surface, Arsenopyrite
Sheet 8	MinLib - As-bearing Pyrite	Mineral Liberation by Free Surface, As-bearing Pyrite
Sheet 9	MinLib - Gersdorffite	Mineral Liberation by Free Surface, Gersdorffite
Sheet 10	MinLib - Fe Oxides w As	Mineral Liberation by Free Surface, Fe Oxides w As
Sheet 11	MinLb - Fe-As-Ca oxide	Mineral Liberation by Free Surface, Fe-As-Ca oxide
.docx	Methodology, Settings, and Images of As-bearing Phases	
.bmp	Exported Image Data of full scans for SPL and XMOD	
.pdf	Overlaid Image Scan Data for SPL and XMOD	

MLA - Extensive Methodology

Samples were examined under high vacuum mode on a FEI Quanta 650 FEG Environmental SEM at Queen's University. All images are collected by a back-scatter electron (BSE) detector in 8-bit greyscale, with a colour value of 0 representing black and a value of 255 representing white. This detector is used because in BSE imaging, colour value is directly related to average atomic number. Atoms with a higher atomic number (and as such, a higher atomic weight), with an inherently larger cross-sectional area, have a higher likelihood of interacting with the electron beam generated by the SEM. This higher likelihood of interactions means more elastic collisions between the electrons and atoms in the material, with proportionally more electrons being scattered back towards the pole piece where the BSE detector is mounted. Simply, heavier materials appear brighter, and this imaging property is key to MLA analysis.

Energy dispersive spectrometry (EDS) is the core of the x-ray analysis used by MLA to identify mineral phases. X-ray spectra are collected by twin Bruker XFlash silicon drift detectors. As the electron beam interacts with a material, the energetic electrons from the beam will cause electrons within electron shells of the sample atoms to be ejected. An ejected electron represents an unstable energy level, so an electron from a higher energy level with jump to the newly created 'hole' and eject a photon representing the difference in the energy levels, specifically in the x-ray range of the light spectrum. The specific energy levels of an atom are characteristic of an element, and in combination these can be used to identify the elements a material is composed of. The EDS detector collects all x-rays generated on the sample simultaneously, and differentiates them based on the photon's energy. An x-ray spectrum is the collection of these collected x-rays represented by energy on the x-axis, and how many x-rays are detected (counts) on the y-axis. "Minerals"- that is, phases of consistent chemical composition, are thus able to be identified by their EDS spectrum.

The MLA software itself automates the operation of the SEM and facilitates the collection of these data quickly and efficiently, collecting significantly more data than would be possible by manual operation of the SEM. To begin the measurement, the operator must choose parameters appropriate to the sample to be measured. The combination of standardized brightness, resolution, beam intensity, and magnification - as well as the appropriate measurement method, of which MLA has several – all have a direct impact in the data collected. More detailed scans will take more time, so care must be taken to determine the optimal amount of time used to collect the data required to fulfill the purpose of the MLA analysis.

After the correct parameters are set, the MLA software will collect a BSE image. An image analysis algorithm will determine epoxy as background to be ignored, and then determine 'grains' based on differences in BSE colour. Depending on the MLA method, it will then direct the beam to specific areas on the grains to collect x-ray spectra associated with that x-y coordinate as determined by the software. Once completed for one frame, the MLA software will move the sample stage one frame width and repeat the process, eventually stitching all the frames together into a single large database of images and x-ray spectra with known locations.

The data collected can be quite large depending on the parameters set and commonly several gigabytes per sample are collected. MLA analysis was conducted in two modes to better characterize the sample, named SPL_Lt and XMOD_STD. The measurement type is appended on all data to clarify how the data was collected. The modes change how the x-ray beam is directed. For SPL_Lt measurements, the MLA image algorithm will find the center of each separate phase of a specified colour (as determined by the software - in this case to not analyse extraneous silicates unlikely to be As-bearing hosts for the purposes of reducing agglomeration error and measurement time), then collect an x-ray that defines that grain.

This is important to note as the Modal Mineralogy exported by the software will be biased to brighter phases, and thus not a true modal mineralogy but a measure of relative proportions of very small amounts of potential As-bearing hosts. For XMOD_STD measurements, a grid of points is collected anywhere the software has determined is not epoxy. This method does not take sample texture into account, but is less likely to have problems due image processing errors. XMOD_STD measurements are very good for determining modal mineralogy, but do not provide possibly relevant shape, mineral association, or grain size data.

It is important to bear in mind that an automated system will collect data only on the parameters set, and the data must be processed by an experienced analyst. Data processing is predominantly conducted in two pieces of software that are part of the MLA suite – Image Processing and Mineral Reference Editor. Processing MLA data begins with comparing a basic mineral reference library of characteristic mineral spectra with the collected spectra in the samples. This involves the software comparing every single spectrum (60,000 – 500,000 spectra per sample) collected on the sample with the library. The best match, to a certain percentage match, is used to give that spectrum a name. Any collected minerals that do not match in the library are labelled as Unknown.

At this point, the analyst must do several things. They must ensure that each mineral phase in the library is correctly identifying the mineral in question. For example, plagioclase can have varying ratios of sodium and calcium. If the wrong type of plagioclase is in the library, the software will not correctly identify the mineral. If a mineral is not present in the library, it must be added. The Unknown component must be critically evaluated to ensure that important minerals are not retained in this 'phase', and to make sure poor spectra are retained in this Unknown phase. Due to the automated nature of collection, a certain amount of 'mistakes' resulting in poor spectra are expected. Usually this occurs when an x-ray is collected in between two different minerals resulting in a mixed spectrum, or if a poorly polished grain is measured, which results in a poor spectrum. It is up to the analyst to determine when to believe the data is as clean as it can be, which is usually based on a combination of sample texture, grain size, mineral types, and polishing quality. For this material, a specialized library was constructed to account for as many types of As-bearing hosts as possible, based on over a decade of collected As-host spectra over a variety of projects. About 17 As-bearing phases were included in the initial library for testing, 10 of which remained in the final library. Of these 10, 5 have been confirmed to be positively identified by MLA. These were confirmed using spectrum filtering to ensure that those with minor amounts of As would still accurately identify the peak at 10.5kV, then manually checked by the analyst.

SETTINGS

High Voltage	25 kV
Beam Current	9-10nA
Spot Size	6 (to achieve a beam current of 10nA)
Working Distance	12.7mm
Imaging Standard (grey level = 255)	Native Au

Table 1: SEM Settings

	SPL_Lt	**XMOD_STD**
Number of Frames	481	481
Frame Resolution (pixels)	700	700
Scan Speed	16	16

Magnification	278	278
Image Acquisition Minimum Size (pixels)	5	5
Background Removal	0-20	0-20
X-Ray Acquisition Time (ms)	13	13
X-Ray Minimum Size	5	N/A
XMOD Spacing (pixels)	N/A	32 x 32
# of X-Rays Collected	474219	61937
Average Time to Completion (hour)	4	2.5

Table 2: MLA Settings

IMAGES OF SELECTED AS-BEARING PHASES

Note: Ranked from largest on the left to smallest, including some that may not contain that material. Observe the noted colour in processed for confirmation of respective phase.

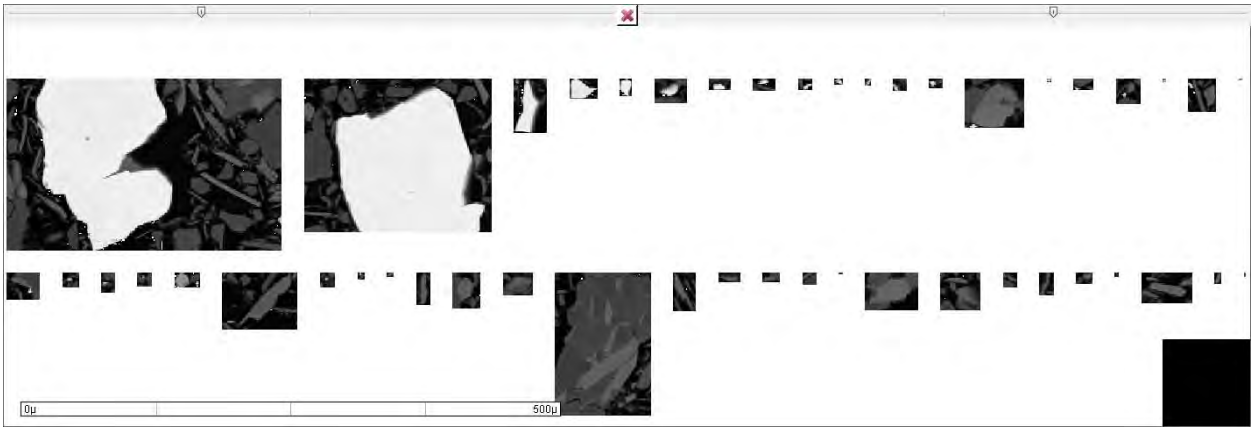

FIGURE 1: ARSENOPYRITE –BSE

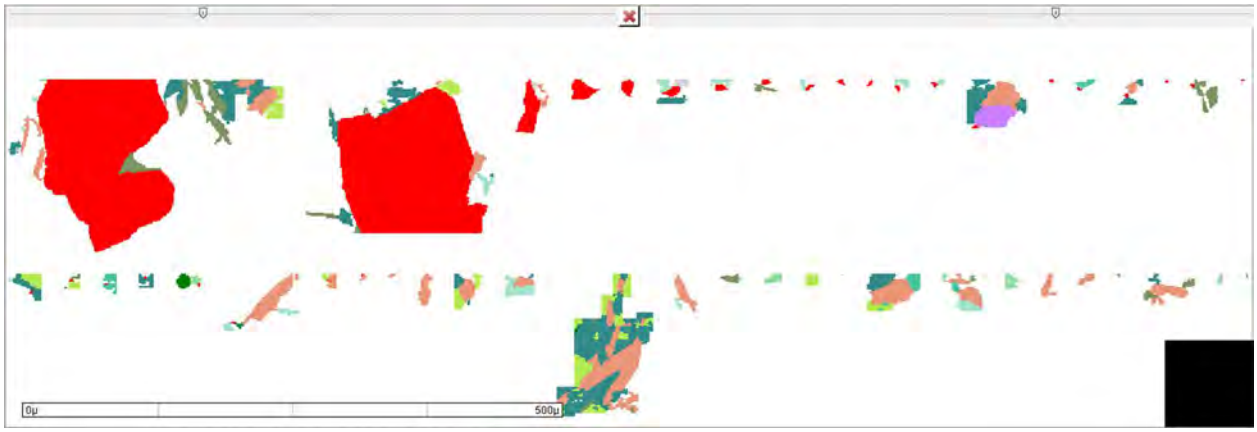

FIGURE 2: ARSENOPYRITE - PROCESSED (RED)

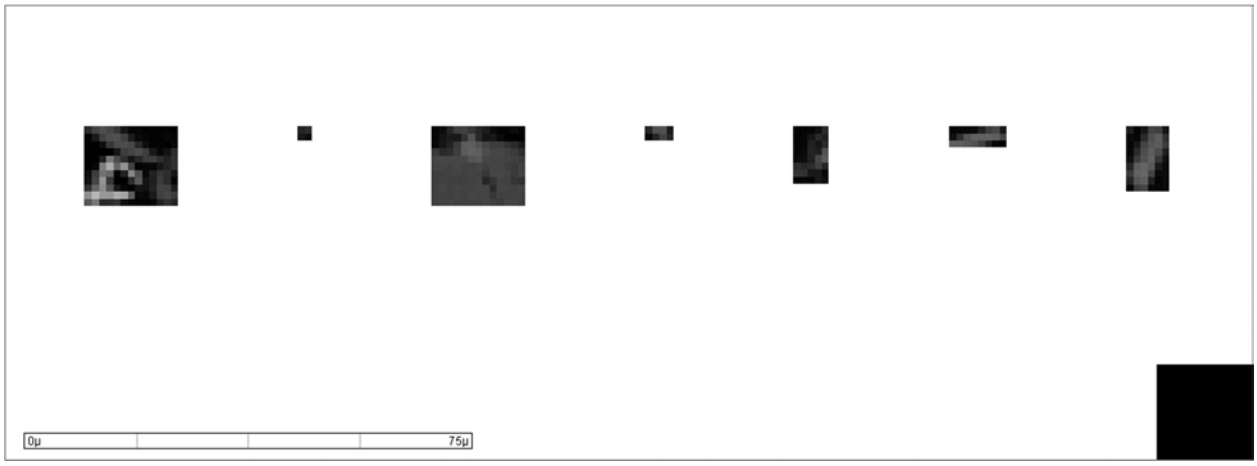

FIGURE 3: AS-BEARING PYRITE – BSE

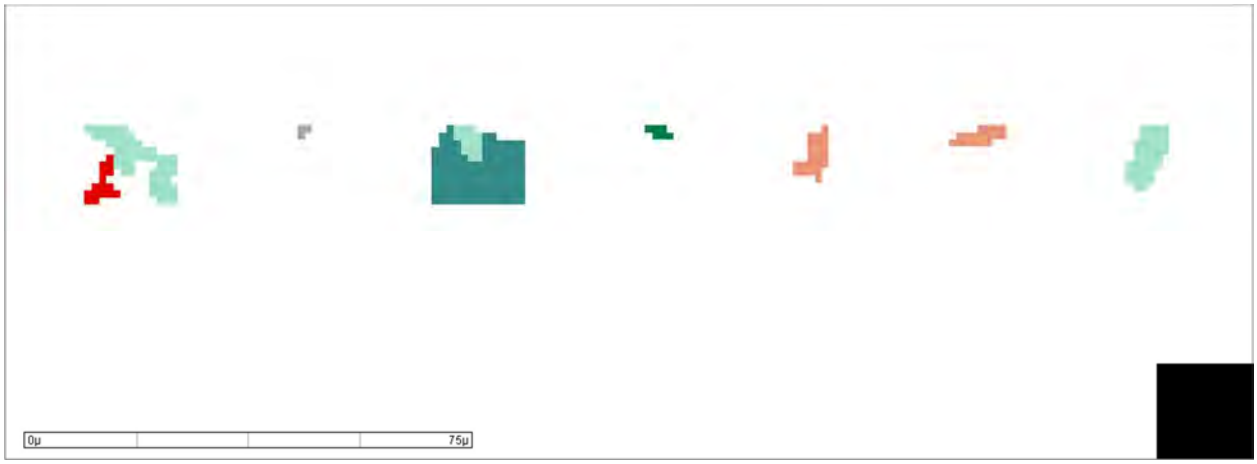

FIGURE 4: AS-BEARING PYRITE – PROCESSED (DARK RED)

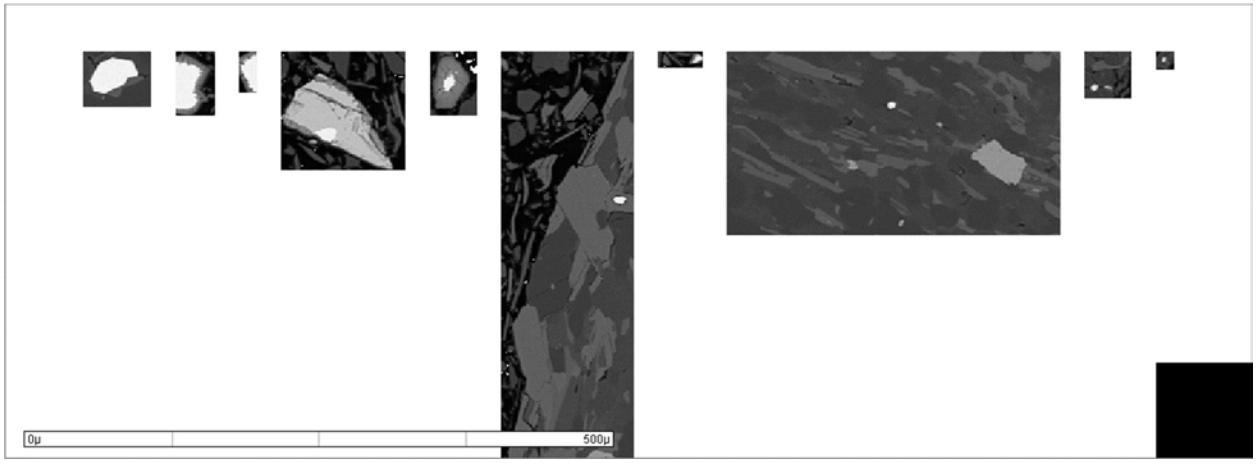

FIGURE 5: GERSDORFFITE – BSE

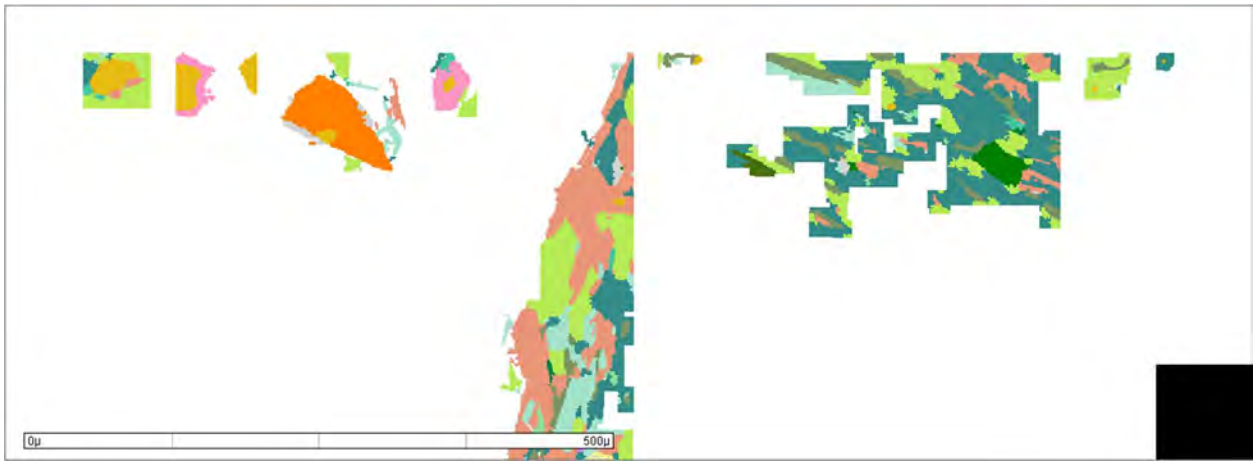

FIGURE 6: GERSDORFFITE- PROCESSED (GOLDEN YELLOW)

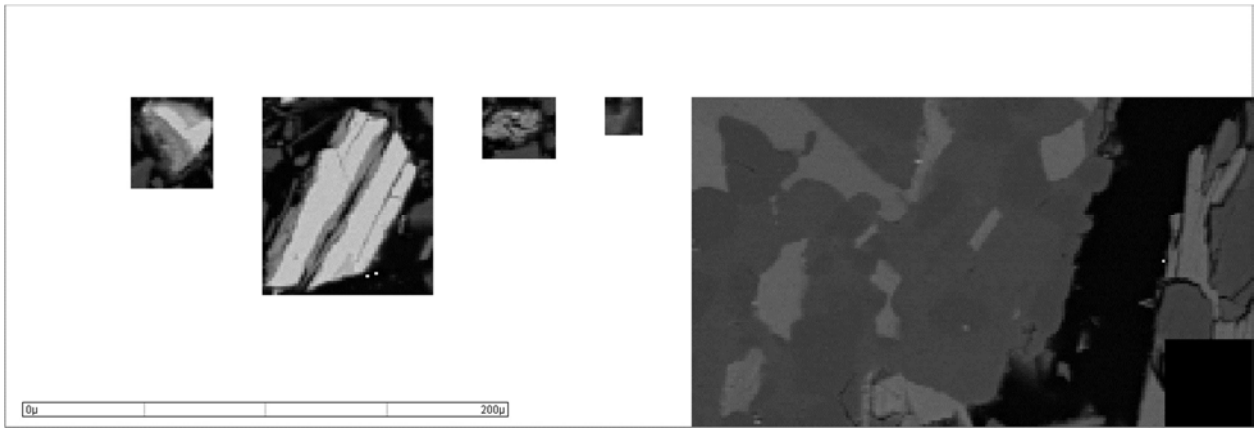

FIGURE 7: FE OXIDES WITH AS – BSE

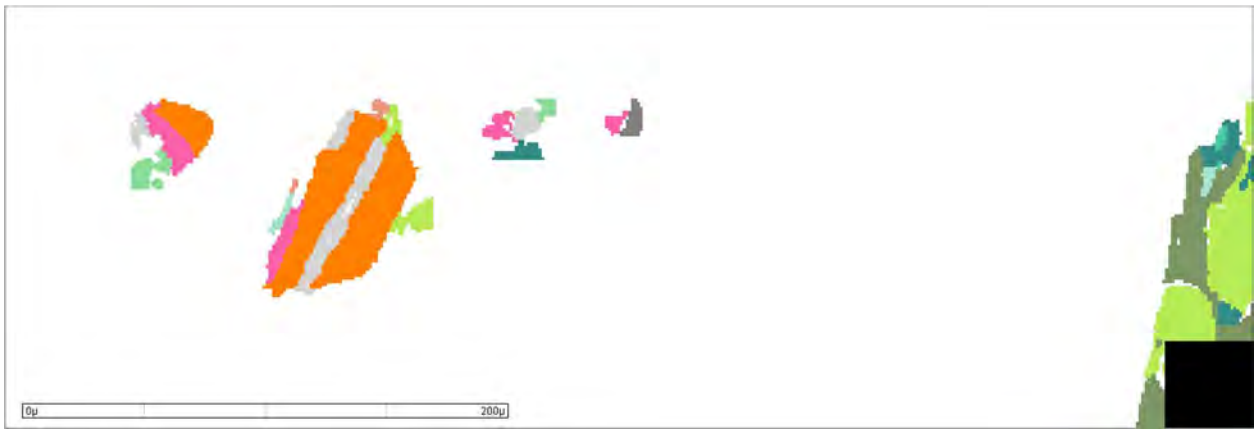

FIGURE 8: FE OXIDES WITH AS - PROCESSED (PINK)

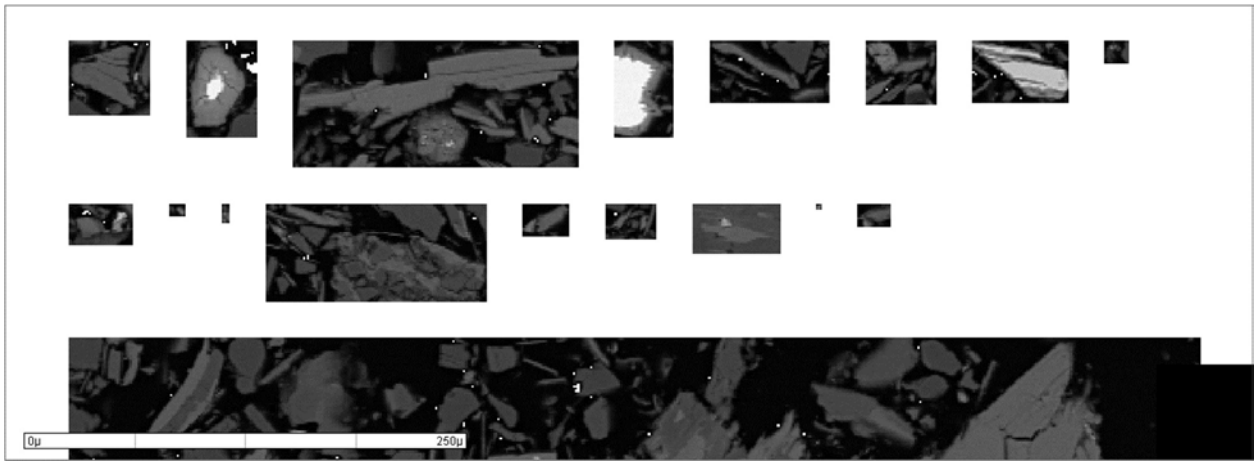

FIGURE 9: FE-AS-CA OXIDE – BSE

FIGURE 10: FE-AS-CA OXIDE – PROCESSED

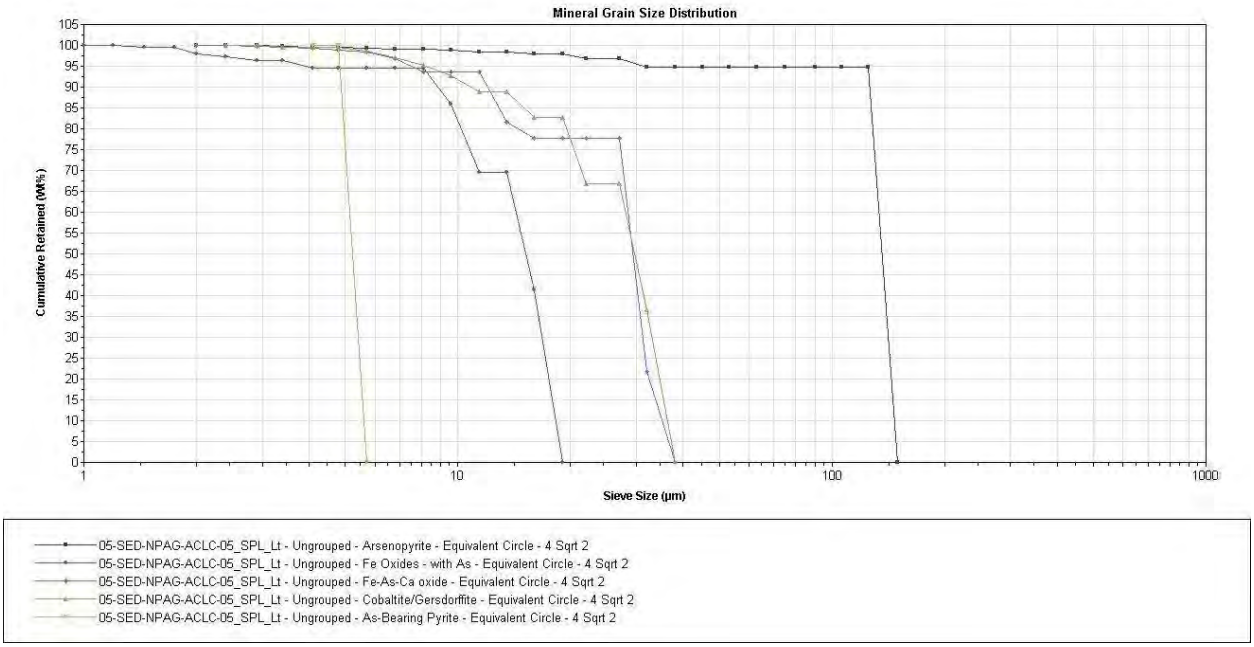

FIGURE 11: AS-BEARING MINERAL GRAIN SIZE DISTRIBUTION

ModMin_XMOD

Data Source: 05-SED-NPAG-ACLC-05_XMOD_STD
Mineral Groupings: Ungrouped
Filter: Unfiltered

Mineral	Wt%	Area%	Area (micron)	Particle Count	Grain Count
Chlorite	9.34	8.72	8021.22	5398	5398
Albite	8.27	8.68	7992.98	5379	5379
Orthoclase	2.32	2.49	2294.32	1544	1544
Tetrahedrite	0.00	0.00	0.00	0	0
Quartz	24.16	25.33	23308.78	15686	15686
Scheelite	0.00	0.00	0.00	0	0
Epidote	0.11	0.08	77.27	52	52
Plagioclase	27.67	28.35	26096.45	17562	17562
Barite	0.00	0.00	0.00	0	0
Muscovite/Mixed Clays	12.29	11.97	11013.94	7412	7412
Hornblende	0.76	0.72	662.74	446	446
Jamesonite	0.00	0.00	0.00	0	0
Pyrrhotite	0.13	0.08	72.81	49	49
Pyrite	0.01	0.00	4.46	3	3
Galena	0.00	0.00	0.00	0	0
Biotite	13.42	11.91	10964.91	7379	7379
Stibnite	0.00	0.00	0.00	0	0
Bronzite	0.00	0.00	1.49	1	1
Titanite	0.07	0.06	52.01	35	35
Rutile	0.00	0.00	2.97	2	2
Fe Oxides - No As	0.07	0.04	38.63	26	26
Apatite	0.25	0.21	197.63	133	133
Calcite	0.55	0.56	514.14	346	346
Ankerite	0.01	0.00	4.46	3	3
Arsenolite	0.00	0.00	0.00	0	0
Zircon	0.00	0.00	1.49	1	1
Monazite	0.00	0.00	0.00	0	0
Spessartine	0.01	0.01	10.40	7	7
Arsenopyrite	0.03	0.01	11.89	8	8
Fe Oxides - with As	0.01	0.00	2.97	2	2
Realgar	0.00	0.00	0.00	0	0
Ilmenite	0.48	0.28	257.07	173	173
Unknown	0.00	0.17	160.48	108	108
Low_Counts	0.00	0.26	239.24	161	161
Tremolite	0.03	0.02	20.80	14	14
No_XRay	0.00	0.00	0.00	0	0
Sphalerite	0.00	0.00	0.00	0	0
Dolomite	0.00	0.00	1.49	1	1
Bornite	0.00	0.00	0.00	0	0
Fe-As-Ca oxide	0.00	0.00	1.49	1	1
Chalcopyrite	0.00	0.00	1.49	1	1
Cobaltite/Gersdorffite	0.00	0.00	1.49	1	1
Cuprite	0.00	0.00	0.00	0	0
Sb2O3	0.00	0.00	0.00	0	0
Pentlandite	0.00	0.00	1.49	1	1
Al-Mn-Fe-As oxide	0.00	0.00	0.00	0	0
Al-Mn-Fe oxide	0.00	0.00	1.49	1	1
As-Bearing Pyrite	0.00	0.00	0.00	0	0
Fe-Mn-oxyhydroxide	0.00	0.00	1.49	1	1
Mn-(oxyhydr)oxide	0.00	0.00	0.00	0	0
Ca Arsenate (Rauenthalite?)	0.00	0.00	0.00	0	0
Ca-Fe Arsenate (Yukonite/Scorodite?)	0.00	0.00	0.00	0	0
Bright Unknowns	0.00	0.00	0.00	0	0
Bastnasite?	0.00	0.00	0.00	0	0
Total	100.00	100.00	92035.97	61937	61937

Data Source: 05-SED-NPAG-ACLC-05_XMOD_STD
Mineral Groupings: Ungrouped
Filter: Unfiltered

Mineral	Al (%)	As (%)	Ba (%)	C (%)	Ca (%)	Cl (%)	Co (%)	Cu (%)	F (%)	Fe (%)	H (%)	K (%)	Mg (%)	Mn (%)	Na (%)	Ni (%)	O (%)	P (%)	Pb (%)	RE (%)	S (%)	Sb (%)	Si (%)	Ti (%)	W (%)	Zn (%)
Chlorite	9.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.25	51.12	0.00	35.42	0.00	0.00	0.00	8.70	0.00	0.00	0.00	0.00	0.00	2.76	0.00	0.00	0.00
Albite	10.95	0.00	0.00	0.00	2.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.91	0.00	8.42	0.00	0.00	0.00	0.00	0.00	8.87	0.00	0.00	0.00
Orthoclase	2.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.89	0.00	0.00	0.00	0.00	2.23	0.00	0.00	0.00	0.00	0.00	2.39	0.00	0.00	0.00
Tetrahedrite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quartz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.91	0.00	0.00	0.00	0.00	0.00	38.46	0.00	0.00	0.00
Scheelite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Epidote	0.19	0.00	0.00	0.00	0.71	0.00	0.00	0.00	0.00	0.17	0.10	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
Plagioclase	33.89	0.00	0.00	0.00	80.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.09	0.00	27.36	0.00	0.00	0.00	0.00	0.00	29.32	0.00	0.00	0.00
Barite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muscovite/Mixed Clays	30.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.74	0.00	24.26	43.96	0.00	0.00	0.00	0.00	12.17	0.00	0.00	0.00	0.00	0.00	8.84	0.00	0.00	0.00
Hornblende	1.65	0.00	0.00	0.00	2.77	0.00	0.00	0.00	0.00	2.20	0.78	0.00	1.19	0.00	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00
Jamesonite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrrhotite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.75	0.00	0.00	0.00	0.00	0.00
Pyrite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.52	0.00	0.00	0.00	0.00	0.00
Galena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biotite	10.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.84	23.31	23.56	44.16	63.23	0.00	0.00	0.00	12.18	0.00	0.00	0.00	0.00	0.00	8.88	0.00	0.00	0.00
Stibnite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bronzite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Titanite	0.02	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.26	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	100.00	0.00	0.00	0.03	7.76	0.00	0.00
Rutile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00
Fe Oxides - No As	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apatite	0.00	0.00	0.00	0.00	3.86	100.00	0.00	0.00	1.16	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.20	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calcite	0.00	0.00	0.00	98.74	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ankerite	0.00	0.00	0.00	0.93	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.01	3.20	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenolite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zircon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monazite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spessartine	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.06	0.00	0.00	66.08	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Arsenopyrite	0.00	89.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.95	0.00	0.00	0.00	0.00	0.00
Fe Oxides - with As	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Realgar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ilmenite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.75	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	90.45	0.00	0.00
Unknown	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Low_Counts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tremolite	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.13	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
No_XRay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sphalerite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolomite	0.00	0.00	0.00	0.33	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bornite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-As-Ca oxide	0.00	0.55	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	11.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chalcopyrite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.00	0.00	0.00	0.00	0.00
Cobaltite/Gersdorffite	0.00	9.02	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.02	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	0.00
Cuprite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sb2O3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pentlandite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	64.98	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe-As oxide	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe oxide	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	10.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As-Bearing Pyrite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-Mn-oxyhydroxide	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	8.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mn-(oxyhydr)oxide	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca Arsenate (Rauenthalite?)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca-Fe Arsenate (Yukonite/Scorodite?)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bright Unknowns	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bastnasite?	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	100.00	100.00	0.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00	100.00	100.00	0.00	100.00	100.00	0.00	0.00

CalcAssay_XMOD

Data Source: 05-SED-NPAG-ACLC-05_XMOD_STD
Filter: Unfiltered

Element	Wt%
Al	8.13
As	0.01
Ba	0.00
C	0.07
Ca	2.54
Ce	0.00
Cl	0.01
Co	0.00
Cu	0.00
F	0.27
Fe	3.71
H	0.23
K	2.74
La	0.00
Mg	2.98
Mn	0.00
Na	1.86
Nd	0.00
Ni	0.00
O	47.81
P	0.05
Pb	0.00
RE	0.00
S	0.06
Sb	0.00
Si	29.36
Th	0.00
Ti	0.17
Unknown	0.00
W	0.00
Zn	0.00
Zr	0.00
Total	100.00

Elemental Distribution - SPL
Data Source: 05-SED-NPAG-ACLC-05 SPL Lt
Mineral Groupings: Unaroused
Filter: Unfiltered

Mineral	Al (%)	As (%)	Ba (%)	C (%)	Ca (%)	Cl (%)	Co (%)	Cu (%)	F (%)	Fe (%)	H (%)	K (%)	Mg (%)	Mn (%)	Na (%)	Ni (%)	O (%)	P (%)	Pb (%)	RE (%)	S (%)	Sb (%)	Si (%)	Ti (%)	W (%)	Zn (%)
Arsenopyrite	0.00	55.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00
Fe Oxides - with As	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-As-Ca oxide	0.00	0.90	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	18.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cobaltite/Gersdorffite	0.00	5.82	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As-Bearing Pyrite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
Total	100.00	100.00	100.00	100.00	100.00	#####	100.00	100.00	#####	#####	#####	#####	100.00	100.00	#####	#####	#####	#####	#####	#####	#####	#####	#####	0.00	#####	

Mineral Association - SPL
Data Source: 05-SED-NPAG-ACLC-05 SPL Lt
Mineral Groupings: Unaroused
Filter: Unfiltered

Mineral	Chlorite	Albite	Orthoclase	Tetrahedrite	Quartz	Schwellite	Epidote	Plagioclase	Barite	Muscovite	Hornblende	Jamesonite	Pyrrhotite	Pyrite	Galena	Biotite	Stibnite	Bronzite	Titanite	Rutile	Fe Oxide	Apatite	Calcite	Ankerite	Arsenopyrite	Zircon	Monazite	Spessartine	Arsenopyrite	Fe Oxides -	Realgar	Ilmenite	Unknown	Low Counts	Tremolite	No XRay	Sphalerite	Dolomite	Bornite	Fe-As-Ca oxi	Chalcopyrite	Cobaltite/Ge	Cuprite	Sb2O3	Pentlandite	Al-Mn-Fe-As	Al-Mn-Fe ox	As-Bearing P	Fe-Mn-oxyh	Mn-Isochoo	Ca Arsenate	Ca-Fe Arsen	Bright Unkn	Bastnasite?	Free Surface
Arsenopyrite	6.26	0.43	0.42	0.00	1.76	0.00	0.00	6.08	0.00	2.86	0.20	0.00	0.00	0.00	0.00	5.11	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.18
Fe Oxides - with As	7.27	4.40	0.00	0.00	3.99	0.00	0.00	3.24	0.00	4.89	0.00	0.00	23.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.77	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	45.49
Fe-As-Ca oxide	2.75	0.72	2.24	0.00	2.54	0.00	0.00	3.07	0.00	2.39	1.99	0.00	3.16	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	1.83	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.63
Cobaltite/Gersdorffite	2.18	0.00	4.07	0.00	14.29	0.00	0.00	30.17	0.00	0.00	0.00	0.00	6.71	0.00	0.00	12.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66	1.66	0.00	0.00	0.00	0.00	0.00	0.00	21.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	26.14
As-Bearing Pyrite	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.86

Soarse Phase Mineralogy - SPL
Data Source: 05-SED-NPAG-ACLC-05 SPL Lt
Mineral Groupings: Unaroused
Filter: Unfiltered

Mineral	Wt%	Area%	Area (microns)	Particle Count	Grain Count
Chlorite	17.58	16.90	143136566.59	41764	58789
Albite	4.16	4.50	38167431.35	16989	24323
Orthoclase	7.34	7.48	63363373.38	7518	13394
Tetrahedrite	0.00	0.00	0.00	0	0
Quartz	12.58	13.58	115026116.44	23822	38579
Schwellite	0.00	0.00	0.00	0	0
Epidote	0.12	0.10	866310.01	702	831
Plagioclase	23.48	24.79	210031468.77	44025	67936
Barite	0.00	0.00	34.18	3	3
Muscovite/Mixed Clays	6.87	6.88	58455003.13	35124	52211
Hornblende	0.55	0.54	4564471.10	5955	7770
Jamesonite	0.00	0.00	4.46	1	1
Pyrrhotite	0.32	0.20	1693502.52	752	814
Pyrite	0.02	0.01	76423.30	85	111
Galena	0.00	0.00	0.00	0	0
Biotite	29.10	26.61	225796938.97	60072	88842
Stibnite	0.00	0.00	0.00	0	0
Bronzite	0.00	0.00	176.83	3	4
Titanite	0.18	0.15	1256534.35	932	1292
Rutile	0.02	0.01	125177.74	242	285
Fe Oxides - No As	0.16	0.08	766500.33	655	681
Apatite	0.68	0.61	5179654.54	2035	2958
Calcite	0.44	0.46	3941095.55	1966	2209
Ankerite	0.02	0.01	126767.73	68	72
Arsenolite	0.00	0.00	0.00	0	0
Zircon	0.03	0.02	149668.09	327	336
Monazite	0.02	0.01	81025.92	197	231
Spessartine	0.03	0.03	184117.54	307	368
Arsenopyrite	0.08	0.04	298175.25	28	28
Fe Oxides - with As	0.00	0.00	609.24	7	12
Realgar	0.00	0.00	0.00	0	0
Ilmenite	1.25	0.75	6393313.23	4488	5148
Unknown	0.00	0.64	5426833.36	5914	11511
Low Counts	0.00	0.47	3979643.13	1487	2254
Tremolite	0.01	0.01	74226.83	175	185
No XRay	0.00	0.04	370019.91	11312	11312
Sphalerite	0.00	0.00	380.41	12	12
Dolomite	0.00	0.00	424.98	9	9
Bornite	0.00	0.00	0.00	0	0
Fe-As-Ca oxide	0.01	0.00	3908.08	18	19
Chalcopyrite	0.02	0.01	111670.00	124	142
Cobaltite/Gersdorffite	0.00	0.00	2300.27	10	10
Cuprite	0.00	0.00	16.35	1	1
Sb2O3	0.00	0.00	10.40	1	1
Pentlandite	0.00	0.00	1310.51	25	31
Al-Mn-Fe-As oxide	0.00	0.00	0.00	0	0
Al-Mn-Fe oxide	0.00	0.00	0.00	0	0
As-Bearing Pyrite	0.00	0.00	23.78	1	1
Fe-Mn-oxyhydroxide	0.00	0.00	4.46	1	1
Mn-Isochoolcrite	0.00	0.00	0.00	0	0
Ca Arsenate (Rauenthalite?)	0.00	0.00	0.00	0	0
Ca-Fe Arsenate (Yukonite/Scorodite?)	0.00	0.00	0.00	0	0
Bright Unknowns	0.01	0.04	30760.83	1801	4130
Bastnasite?	0.01	0.01	6230.61	92	112
Total	100.00	100.00	848508772.49	144052	396468

MinRef

Mineral	Density	Formula	Al (%)	As (%)	Ba (%)	C (%)	Ca (%)	Ce (%)	Cl (%)	Co (%)	Cu (%)	F (%)	Fe (%)	H (%)	K (%)	La (%)	Mg (%)	Mn (%)	Na (%)	Nd (%)	Ni (%)	O (%)	P (%)	Pb (%)	RE (%)	S (%)	Sb (%)	Si (%)	Th (%)	Ti (%)	Unknown (%)	W (%)	Zn (%)	Zr (%)
Chlorite	2.95	(Mg,Fe)3(Si,Al)4O10(OH)2·(Mg,Fe)3(OH)6	8.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.91	1.25	0.00	0.00	11.28	0.00	0.00	0.00	0.00	44.53	0.00	0.00	0.00	0.00	0.00	8.69	0.00	0.00	0.00	0.00	0.00	0.00
Albite	2.62	NaAlSi3O8	10.77	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.30	0.00	0.00	48.66	0.00	0.00	0.00	0.00	0.00	31.50	0.00	0.00	0.00	0.00	0.00	0.00
Orthoclase	2.56	KAlSi3O8	9.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.04	0.00	0.00	0.00	0.00	0.00	0.00	45.99	0.00	0.00	0.00	0.00	0.00	30.28	0.00	0.00	0.00	0.00	0.00	0.00
Tetrahedrite	4.90	(Cu,Fe)12Sb4S13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.14	0.00	3.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.13	29.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quartz	2.63	(SiO2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.26	0.00	0.00	0.00	0.00	0.00	46.74	0.00	0.00	0.00	0.00	0.00	0.00
Scheelite	6.01	Ca(WO4)	0.00	0.00	0.00	0.00	13.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.86	0.00	0.00
Epidote	3.45	Ca2Al2(Fe3+,Al)(SiO4)(Si2O7)O(OH)	14.39	0.00	0.00	0.00	17.10	0.00	0.00	0.00	0.00	0.00	5.96	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.37	0.00	0.00	0.00	0.00	0.00	17.97	0.00	0.00	0.00	0.00	0.00	0.00
Plagioclase	2.69	Na0.5Ca0.5Si3AlO8	9.96	0.00	0.00	0.00	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.24	0.00	0.00	47.28	0.00	0.00	0.00	0.00	0.00	31.12	0.00	0.00	0.00	0.00	0.00	0.00
Barite	4.48	Ba(SO4)	0.00	0.00	58.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.42	0.00	0.00	0.00	13.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muscovite/Mixed Clays	2.83	KAl3Si3O10(OH)1.9F0.1	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.45	9.80	0.00	0.00	0.00	0.00	0.00	0.00	47.36	0.00	0.00	0.00	0.00	0.00	21.13	0.00	0.00	0.00	0.00	0.00	0.00
Hornblende	2.90	Ca2(Mg,Fe,Al)5(Al,Si)8O22(OH)2	17.68	0.00	0.00	0.00	9.27	0.00	0.00	0.00	0.00	0.00	10.76	0.23	0.00	0.00	4.68	0.00	0.00	0.00	0.00	44.39	0.00	0.00	0.00	0.00	0.00	12.99	0.00	0.00	0.00	0.00	0.00	0.00
Jamesonite	7.00	Pb4FeSb6S14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.15	0.00	21.75	35.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrrhotite	4.62	Fe2+0.95S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrite	5.01	Fe2+S2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Galena	7.40	PbS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.60	0.00	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biotite	3.10	KMg2.5Fe2+0.5AlSi3O10(OH)1.75F0.25	6.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	6.44	0.40	9.01	0.00	14.02	0.00	0.00	0.00	0.00	43.38	0.00	0.00	0.00	0.00	0.00	19.44	0.00	0.00	0.00	0.00	0.00	0.00
Stibnite	4.63	Sb2S3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.31	71.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bronzite	3.20		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.21	0.00	0.00	0.00	0.00	47.81	0.00	0.00	0.00	0.00	0.00	27.97	0.00	0.00	0.00	0.00	0.00	0.00
Titanite	3.48	CaTiSiO5	2.72	0.00	0.00	0.00	19.26	0.00	0.00	0.00	0.00	0.96	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.65	0.00	3.64	0.00	0.00	0.00	14.20	0.00	18.16	0.00	0.00	0.00	0.00
Rutile	4.25	TiO2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.95	0.00	0.00	0.00	0.00
Fe Oxides - No As	4.90	Fe3+2O3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apatite	3.19	Ca5(PO4)(F,Cl,OH)	0.00	0.00	0.00	0.00	39.37	0.00	2.32	0.00	0.00	1.24	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.76	18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calcite	2.71	Ca(CO3)	0.00	0.00	0.00	12.00	40.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ankerite	3.05	Ca(Fe,Mg,Mn)(CO3)2	0.00	0.00	0.00	11.63	19.42	0.00	0.00	0.00	0.00	0.00	16.23	0.00	0.00	0.00	3.53	2.66	0.00	0.00	0.00	46.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenolite	1.00	As2O3	0.00	75.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zircon	4.65	ZrSiO4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.91	0.00	0.00	0.00	0.00	0.00	15.32	0.00	0.00	0.00	0.00	0.00	49.76
Monazite	5.15	Ce0.5La0.25Nd0.2Th0.05(PO4)	0.00	0.00	0.00	0.00	0.00	29.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.45	0.00	0.00	0.00	12.00	0.00	26.65	12.89	0.00	0.00	0.00	0.00	0.00	4.83	0.00	0.00	0.00	0.00	0.00
Spessartine	3.10	Mn3Al(Si3Al)O10(OH)8Fe2	7.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.71	1.13	0.00	0.00	0.00	23.19	0.00	0.00	0.00	40.52	0.00	0.00	0.00	0.00	0.00	11.85	0.00	0.00	0.00	0.00	0.00	0.00
Arsenopyrite	6.07	Fe3+AsS	0.00	46.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe Oxides - with As	4.90	Fe3+2O3(As0.07)	0.00	3.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Realgar	3.56	As4S4	0.00	70.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ilmenite	4.72	Fe2+TiO3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.56	0.00	0.00	0.00	0.00
Unknown	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00
Low_Counts	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00
Tremolite	3.05	Ca2Mg5(Si8O22)(OH)2	0.00	0.00	0.00	0.00	9.86	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	14.96	0.00	0.00	0.00	0.00	47.28	0.00	0.00	0.00	0.00	0.00	27.66	0.00	0.00	0.00	0.00	0.00	0.00
No_XRay	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00
Sphalerite	4.00	ZnS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.91	0.00	0.00	0.00	0.00	0.00	0.00	67.09	0.00
Dolomite	2.85	CaMg(CO3)2	0.00	0.00	0.00	13.02	21.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.18	0.00	0.00	0.00	0.00	52.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bornite	5.10	Cu5Fe2+S4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.32	0.00	11.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-As-Ca oxide	4.00	Fe2O2(OH)As0.13Ca1.35Mn1.1	0.00	3.42	0.00	0.00	18.99	0.00	0.00	0.00	0.00	0.00	39.19	0.35	0.00	0.00	0.00	21.21	0.00	0.00	0.00	16.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chalcopyrite	4.20	CuFe2+S2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.62	0.00	30.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cobaltite/Gersdorffite	5.00	(Ni,Co)AsS	0.00	45.19	0.00	0.00	0.00	0.00	0.00	17.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.70	0.00	0.00	0.00	0.00	19.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cuprite	6.10	Cu2O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sb2O3	3.00	Sb2O3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.47	0.00	0.00	0.00	0.00	83.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pentlandite	4.80	Fe2+4.5Ni4.5S8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.21	0.00	0.00	0.00	0.00	33.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe-As oxide	4.00	AlMnFe0.25As0.04	27.29	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.12	0.00	0.00	0.00	0.00	55.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe oxide	4.00	AlO(OH)Mn3+0.5O(OH)Ca0.15Fe0.1	20.43	0.00	0.00	0.00	4.55	0.00	0.00	0.00	0.00	0.00	4.23	1.53	0.00	0.00	0.00	20.80	0.00	0.00	0.00	48.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As-Bearing Pyrite	5.01	Fe2+As0.02S2	0.00	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-Mn-oxyhydroxide	3.00	Fe2O2(OH)Ca1.35Mn1.1	0.00	0.00	0.00	0.00	19.66	0.00	0.00	0.00	0.00	0.00	40.58	0.37	0.00	0.00	0.00	21.96	0.00	0.00	0.00	17.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mn-(oxyhydr)oxide	3.00	Mn2O2(OH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	69.16	0.00	0.00	0.00	30.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca Arsenate (Rauenthalite?)	3.00	Ca3(AsO4)210(H2O)	0.00	53.68	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca-Fe Arsenate (Yukonite/Scorodite?)	3.00	Ca3Fe(AsO4)2(OH)35(H2O)	0.00	14.04	0.00	0.00	11.27	0.00	0.00	0.00	0.00	0.00	5.23	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bright Unknowns	1.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bastnasite?	4.98	Ce(CO3)F	0.00	0.00	0.00	5.48	0.00	63.95	0.00	0.00	0.00	8.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Data Source: 05-SED-NPAG-ACLC-05_SPL_Lt
Mineral Groupings: Ungrouped
Mineral: Arsenopyrite
Liberation Classes: 5% classes
Data Type: Weight%
Filter: Unfiltered

Arsenopyrite Free Surface of Particle (%)	0% (barren)	0% (not exposed)	0% < x <= 5%	5% < x <= 10%	10% < x <= 15%	15% < x <= 20%	20% < x <= 25%	25% < x <= 30%	30% < x <= 35%	35% < x <= 40%	40% < x <= 45%	45% < x <= 50%	50% < x <= 55%	55% < x <= 60%	60% < x <= 65%	65% < x <= 70%	70% < x <= 75%	75% < x <= 80%	80% < x <= 85%	85% < x <= 90%	90% < x <= 95%	95% < x < 100%	100%
No. of Particles	144024.00	0.00	6.00	4.00	1.00	2.00	1.00	1.00	2.00	1.00	2.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00
Mean Phase ECD (µm)	0.00	0.00	3.11	3.67	11.26	3.32	5.15	6.74	6.92	135.04	69.72	0.00	0.00	0.00	27.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.05
Mean Phase Max Span (µm)	0.00	0.00	3.91	4.94	17.70	3.82	6.49	8.83	9.59	169.18	88.59	0.00	0.00	0.00	51.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.81
Particle Distribution (%)	99.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mean Density	2.83	0.00	2.97	3.09	2.89	3.15	3.50	3.81	4.09	5.42	5.75	0.00	0.00	0.00	5.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.07
Distribution of Mineral (%)	0.00	0.00	0.15	0.15	0.33	0.06	0.07	0.12	0.27	47.94	47.01	0.00	0.00	0.00	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85
Cum. Distn. of Mineral (%)	0.00	100.00	100.00	99.85	99.70	99.36	99.30	99.23	99.11	98.85	50.90	3.89	3.89	3.89	3.89	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
Modal Analysis (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlorite (%)	17.60	0.00	17.69	0.00	0.00	0.00	0.00	56.06	0.00	3.76	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albite (%)	4.16	0.00	0.00	2.15	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Orthoclase (%)	2.24	0.00	0.00	5.64	0.00	51.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tetrahedrite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quartz (%)	12.59	0.00	12.82	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scheelite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Epidote (%)	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plagioclase (%)	23.50	0.00	16.16	26.61	33.01	0.00	0.00	0.00	0.00	3.18	2.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muscovite/Mixed Clays (%)	6.87	0.00	7.23	0.00	22.74	0.00	63.79	0.00	42.28	0.11	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hornblende (%)	0.55	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jamesonite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrrhotite (%)	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Galena (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biotite (%)	29.13	0.00	40.41	26.84	0.00	22.08	0.00	0.00	0.00	2.79	0.76	0.00	0.00	0.00	7.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stibnite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bronzite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Titanite (%)	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rutile (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe Oxides - No As (%)	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apatite (%)	0.69	0.00	0.00	26.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calcite (%)	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ankerite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenolite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zircon (%)	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monazite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spessartine (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenopyrite (%)	0.00	0.00	4.46	3.40	44.25	25.94	36.21	43.94	57.72	89.25	95.23	0.00	0.00	0.00	92.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Fe Oxides - with As (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Realgar (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ilmenite (%)	1.26	0.00	0.00	8.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Low_Counts (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tremolite (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No_XRay (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sphalerite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolomite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bornite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-As-Ca oxide (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chalcopyrite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cobaltite/Gersdorffite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cuprite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sb2O3 (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pentlandite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe-As oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As-Bearing Pyrite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-Mn-oxyhydroxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mn-(oxyhydr)oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca Arsenate (Rauenthalite?) (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca-Fe Arsenate (Yukonite/Scorodite?) (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bright Unknowns (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bastnasite? (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Data Source: 05-SED-NPAG-ACLC-05_SPL_Lt
Mineral Groupings: Ungrouped
Mineral: As-Bearing Pyrite
Liberation Classes: 5% classes
Data Type: Weight%
Filter: Unfiltered

As-Bearing Pyrite Free Surface of Particle (%)	0% (barren)	0% (not exposed)	0% < x <= 5%	5% < x <= 10%	10% < x <= 15%	15% < x <= 20%	20% < x <= 25%	25% < x <= 30%	30% < x <= 35%	35% < x <= 40%	40% < x <= 45%	45% < x <= 50%	50% < x <= 55%	55% < x <= 60%	60% < x <= 65%	65% < x <= 70%	70% < x <= 75%	75% < x <= 80%	80% < x <= 85%	85% < x <= 90%	90% < x <= 95%	95% < x < 100%	100%
No. of Particles	144051.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mean Phase ECD (µm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mean Phase Max Span (µm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Particle Distribution (%)	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mean Density	2.83	0.00	0.00	0.00	0.00	0.00	0.00	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Distribution of Mineral (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cum. Distn. of Mineral (%)	0.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Modal Analysis (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlorite (%)	17.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albite (%)	4.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Orthoclase (%)	2.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tetrahedrite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quartz (%)	12.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scheelite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Epidote (%)	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plagioclase (%)	23.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muscovite/Mixed Clays (%)	6.87	0.00	0.00	0.00	0.00	0.00	0.00	67.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hornblende (%)	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jamesonite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrrhotite (%)	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Galena (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biotite (%)	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stibnite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bronzite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Titanite (%)	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rutile (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe Oxides - No As (%)	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apatite (%)	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calcite (%)	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ankerite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenolite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zircon (%)	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monazite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spessartine (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenopyrite (%)	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe Oxides - with As (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Realgar (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ilmenite (%)	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Low_Counts (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tremolite (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No_XRay (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sphalerite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolomite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bornite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-As-Ca oxide (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chalcopyrite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cobaltite/Gersdorffite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cuprite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sb2O3 (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pentlandite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe-As oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As-Bearing Pyrite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-Mn-oxyhydroxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mn-(oxyhydr)oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca Arsenate (Rauenthalite?) (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca-Fe Arsenate (Yukonite/Scorodite?) (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bright Unknowns (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bastnasite? (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

MinLib - Gersdorffite

Data Source: 05-SED-NPAG-ACLC-05 SPL Lt
Mineral Groupings: Ungrouped
Mineral: Cobaltite/Gersdorffite
Liberation Classes: 5% classes
Data Type: Weight%
Filter: Unfiltered

Cobaltite/Gersdorffite Free Surface of Particle (%)	0% (barren)	0% (not exposed)	0% < x <= 5%	5% < x <= 10%	10% < x <= 15%	15% < x <= 20%	20% < x <= 25%	25% < x <= 30%	30% < x <= 35%	35% < x <= 40%	40% < x <= 45%	45% < x <= 50%	50% < x <= 55%	55% < x <= 60%	60% < x <= 65%	65% < x <= 70%	70% < x <= 75%	75% < x <= 80%	80% < x <= 85%	85% < x <= 90%	90% < x <= 95%	95% < x < 100%	100%
No. of Particles	144042.00	6.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Mean Phase ECD (µm)	0.00	11.18	13.55	0.00	7.53	0.00	29.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.62
Mean Phase Max Span (µm)	0.00	14.48	18.32	0.00	10.35	0.00	41.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.43
Particle Distribution (%)	99.92	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mean Density	2.83	2.85	3.90	0.00	3.20	0.00	4.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
Distribution of Mineral (%)	0.00	45.61	6.27	0.00	1.94	0.00	30.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.96
Cum. Distn. of Mineral (%)	0.00	100.00	54.39	48.13	48.13	46.19	46.19	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96	15.96
Modal Analysis (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlorite (%)	17.59	7.69	0.00	0.00	51.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albite (%)	4.16	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Orthoclase (%)	2.24	0.69	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tetrahedrite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quartz (%)	12.57	19.69	6.02	0.00	14.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scheelite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Epidote (%)	0.12	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plagioclase (%)	23.48	29.11	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muscovite/Mixed Clays (%)	6.87	7.77	5.79	0.00	9.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hornblende (%)	0.55	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jamesonite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrrhotite (%)	0.32	0.00	79.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Galena (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biotite (%)	29.11	24.77	4.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stibnite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bronzite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Titanite (%)	0.18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rutile (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe Oxides - No As (%)	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apatite (%)	0.69	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calcite (%)	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ankerite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenolite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zircon (%)	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monazite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spessartine (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenopyrite (%)	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe Oxides - with As (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Realgar (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ilmenite (%)	1.25	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Low Counts (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tremolite (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No XRay (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sphalerite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolomite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bornite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-As-Ca oxide (%)	0.00	2.05	0.00	0.00	0.00	0.00	42.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chalcopyrite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cobaltite/Gersdorffite (%)	0.00	3.17	3.67	0.00	24.31	0.00	57.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Cuprite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sb2O3 (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pentlandite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe-As oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As-Bearing Pyrite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-Mn-oxyhydroxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mn-(oxyhydr)oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca Arsenate (Rauenthalite?) (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca-Fe Arsenate (Yukonite/Scorodite?) (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bright Unknowns (%)	0.01	0.19	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bastnasite? (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Data Source: 05-SED-NPAG-ACLC-05_SPL_Lt
Mineral Groupings: Ungrouped
Mineral: Fe Oxides - with As
Liberation Classes: 5% classes
Data Type: Weight%
Filter: Unfiltered

Fe Oxides - with As Free Surface of Particle (%)	0% (barren)	0% (not exposed)	0% < x <= 5%	5% < x <= 10%	10% < x <= 15%	15% < x <= 20%	20% < x <= 25%	25% < x <= 30%	30% < x <= 35%	35% < x <= 40%	40% < x <= 45%	45% < x <= 50%	50% < x <= 55%	55% < x <= 60%	60% < x <= 65%	65% < x <= 70%	70% < x <= 75%	75% < x <= 80%	80% < x <= 85%	85% < x <= 90%	90% < x <= 95%	95% < x < 100%	100%
No. of Particles	144045.00	1.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
Mean Phase ECD (µm)	0.00	2.33	0.00	14.75	0.00	0.00	17.93	6.82	0.00	0.00	8.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66
Mean Phase Max Span (µm)	0.00	3.20	0.00	37.04	0.00	0.00	32.32	9.18	0.00	0.00	12.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83
Particle Distribution (%)	99.33	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mean Density	2.83	2.84	0.00	3.60	0.00	0.00	3.86	2.46	0.00	0.00	1.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.90
Distribution of Mineral (%)	0.00	3.90	0.00	28.05	0.00	0.00	41.46	17.07	0.00	0.00	8.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73
Cum. Distn. of Mineral (%)	0.00	100.00	96.10	96.10	68.05	68.05	68.05	26.59	9.51	9.51	9.51	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Modal Analysis (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlorite (%)	17.37	49.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albite (%)	4.18	0.45	0.00	0.00	0.00	0.00	14.92	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Orthoclase (%)	2.24	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tetrahedrite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quartz (%)	12.48	26.88	0.00	5.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scheelite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Epidote (%)	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plagioclase (%)	23.56	11.17	0.00	0.00	0.00	0.00	0.00	30.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muscovite/Mixed Clays (%)	6.91	0.18	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hornblende (%)	0.55	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jamesonite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrrhotite (%)	0.32	0.73	0.00	84.03	0.00	0.00	44.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Galena (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biotite (%)	29.25	7.02	0.00	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stibnite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bronzite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Titanite (%)	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rutile (%)	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe Oxides - No As (%)	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apatite (%)	0.69	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calcite (%)	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ankerite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenolite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zircon (%)	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monazite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spessartine (%)	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenopyrite (%)	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe Oxides - with As (%)	0.00	0.01	0.00	7.49	0.00	0.00	40.90	52.75	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Realgar (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ilmenite (%)	1.25	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Low_Counts (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tremolite (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No_XRay (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sphalerite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolomite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bornite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-As-Ca oxide (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chalcopyrite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cobaltite/Gersdorffite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cuprite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sb2O3 (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pentlandite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe-As oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As-Bearing Pyrite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-Mn-oxyhydroxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mn-(oxyhydr)oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca Arsenate (Rauenthalite?) (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca-Fe Arsenate (Yukonite/Scorodite?) (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bright Unknowns (%)	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bastnasite? (%)	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

MinLib - Fe-As-Ca oxide

Data Source: 05-SED-NPAG-ACLC-05_SPL_Lt
Mineral Groupings: Ungrouped
Mineral: Fe-As-Ca oxide
Liberation Classes: 5% classes
Data Type: Weight%
Filter: Unfiltered

Fe-As-Ca oxide Free Surface of Particle (%)	0% (barren)	0% (not exposed)	0% < x <= 5%	5% < x <= 10%	10% < x <= 15%	15% < x <= 20%	20% < x <= 25%	25% < x <= 30%	30% < x <= 35%	35% < x <= 40%	40% < x <= 45%	45% < x <= 50%	50% < x <= 55%	55% < x <= 60%	60% < x <= 65%	65% < x <= 70%	70% < x <= 75%	75% < x <= 80%	80% < x <= 85%	85% < x <= 90%	90% < x <= 95%	95% < x < 100%	100%
No. of Particles	144034.00	2.00	2.00	3.00	2.00	1.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	1.00	3.00
Mean Phase ECD (µm)	0.00	3.76	5.74	14.30	12.38	5.84	0.00	0.00	13.89	0.00	32.87	0.00	0.00	0.00	0.00	0.00	0.00	24.02	0.00	0.00	0.00	11.75	5.98
Mean Phase Max Span (µm)	0.00	4.50	8.83	17.22	20.54	7.66	0.00	0.00	23.07	0.00	45.44	0.00	0.00	0.00	0.00	0.00	0.00	40.84	0.00	0.00	0.00	17.82	8.68
Particle Distribution (%)	99.70	0.28	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mean Density	2.83	2.78	2.80	3.10	3.79	3.07	0.00	0.00	3.27	0.00	3.58	0.00	0.00	0.00	0.00	0.00	0.00	4.17	0.00	0.00	0.00	3.79	4.00
Distribution of Mineral (%)	0.00	0.61	1.33	21.48	6.16	0.68	0.00	0.00	3.88	0.00	21.71	0.00	0.00	0.00	0.00	0.00	0.00	39.05	0.00	0.00	0.00	2.78	2.32
Cum. Distn. of Mineral (%)	0.00	100.00	99.39	98.06	76.58	70.42	69.73	69.73	69.73	65.86	65.86	44.14	44.14	44.14	44.14	44.14	44.14	44.14	5.10	5.10	5.10	5.10	2.32
Modal Analysis (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chlorite (%)	17.51	43.69	17.66	4.84	1.38	84.78	0.00	0.00	62.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albite (%)	4.17	0.88	6.46	4.64	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Orthoclase (%)	2.22	8.11	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tetrahedrite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quartz (%)	12.58	13.89	2.63	2.98	0.00	0.00	0.00	0.00	0.00	0.00	15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scheelite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Epidote (%)	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plagioclase (%)	23.48	23.00	54.68	6.97	0.00	0.00	0.00	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muscovite/Mixed Clays (%)	6.87	6.03	3.61	5.18	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hornblende (%)	0.55	0.52	0.38	0.89	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00	0.00	0.00
Jamesonite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrrhotite (%)	0.32	0.00	0.00	0.52	56.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Galena (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Biotite (%)	29.18	2.98	12.00	55.28	22.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stibnite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bronzite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Titanite (%)	0.18	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rutile (%)	0.02	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe Oxides - No As (%)	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apatite (%)	0.69	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calcite (%)	0.45	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ankerite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenolite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zircon (%)	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monazite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spessartine (%)	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenopyrite (%)	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe Oxides - with As (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Realgar (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ilmenite (%)	1.26	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00
Unknown (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Low_Counts (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tremolite (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
No_XRay (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sphalerite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dolomite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bornite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-As-Ca oxide (%)	0.00	0.01	2.59	18.34	15.90	15.22	0.00	0.00	37.25	0.00	66.04	0.00	0.00	0.00	0.00	0.00	0.00	62.44	0.00	0.00	0.00	100.00	100.00
Chalcopyrite (%)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cobaltite/Gersdorffite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.67	0.00	0.00	0.00	0.00	0.00	0.00	35.57	0.00	0.00	0.00	0.00	0.00
Cuprite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sb2O3 (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pentlandite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe-As oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Al-Mn-Fe oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As-Bearing Pyrite (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe-Mn-oxyhydroxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mn-(oxyhydr)oxide (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca Arsenate (Rauenthalite?) (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ca-Fe Arsenate (Yukonite/Scorodite?) (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bright Unknowns (%)	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bastnasite? (%)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX C2: LORAX KINETIC TESTING REPORT

MEMORANDUM

To:	**Jenyfer Mosquera and Colleen Prather (Agnico Eagle Mines Ltd.)**	**Date: October 25, 2022**
From:	**Nicole Marsh and John Dockrey (Lorax Environmental Services Ltd.)**	**Project #: A667-2**
Subject:	**Meliadine Extension Tailings Kinetic Testing Results**	

1. Introduction

The Meliadine Mine is located approximately 25 kilometres (km) north of Rankin Inlet. Since Nunavut Impact Review Board (NIRB) approval in 2015, Agnico Eagle has continued to extend its knowledge of the gold deposits around the Meliadine Mine by way of additional exploration. As a result, an improved project, collectively referred to as Meliadine Extension, is being proposed. The Meliadine Extension will extend the life of the mine from 2032 to 2043 and will add underground mining activities at the already approved Wesmeg, Pump, F Zone, and Discovery deposits.

Lorax Environmental Services Ltd. (Lorax) and Okane Consultants Ltd (Okane) were retained by Agnico Eagle to complete a kinetic testing program for the Meliadine Extension in support of the NIRB application. Fourteen kinetic tests were initiated between October 2020 and January 2021, including four tailings kinetic tests to assess the acid generation and metal leaching behaviour of tailings:

- One tailings unsaturated tailings columns;
- Two saturated tailings column; and
- One paste backfill humidity cell.

The methodology and results of the unsaturated tailings column test is provided in the technical memorandum titled *Meliadine ACLC Kinetic Testing Summary* (Okane, 2022). This memorandum presents the methodology and results of the tailings saturated columns and humidity cell kinetic tests.

2. Methodology

2.1 Sample Selection

Tailings samples were collected from the Meliadine Mine TSF and the paste plant on August 18th, 2021. The whole ore tailings samples collected from the TSF were sampled from six test pits excavated by hand shovel to an approximate depth of 5 to 10 cm. Two paste samples were collected from the paste plant on August 18th, 2021. The paste was produced using a binder content of 4.5%

and was collected in two buckets where it was allowed to cure. The tailings samples were shipped to SGS Burnaby for analysis, arriving in early September. The lab reported that the paste had hardened when the buckets were unsealed. The tailings were characterized by static testing. Acid base accounting and solid phase elemental results for these samples is summarized in Table 2-2 and Table 2-3, with the full static test results for these samples reported in the *Meliadine Extension: Geochemical Characterization and Source Term Report* (Lorax 2022)

2.2 Saturated Columns

Saturated column test work was operated at the Lorax Laboratory (in Vancouver) to characterize the metal leaching characteristics of tailings materials under saturated conditions which can develop in interior sections of the TSF. Understanding how suboxic redox chemistry will affect the release and attenuation of parameters of concern in the TSF can inform the development of water quality predictions.

Two saturated columns were constructed from Plexiglass cylinders (13 cm inside diameter, 25 cm length) and filled with 6.3 kg of slurried tailings solids each (Figure 2-1). The base of the column was lined with a dispersion plate (perforated disk), a sheet of non-reactive mesh fabric, and a layer of silica sand (500 g) to allow for the even distribution of water over base area of the column before contacting tailings material. Each column was equipped with an inlet at the base of the column and an outlet port at the top of the column for sampling. The experiment was designed so that influent entered from the bottom of the column and flowed upward to minimize the risk of uncontrolled gravity-driven drainage and development of preferential flow paths (Jurjovec *et al.,* 2002; Petrunic *et al.,* 2005).

Dry tailings samples from five of the six test pits in the TSF were mixed and composited based on Table 2-1 below. Sample TSF 25 has similar composition to the other TSF samples and was retained so material would be available if additional testwork was required in the future. The composited mass was coned and quartered to collect two representative sample splits (6.5 kg dry weight each) for column construction. Each dry sample split was then mixed with approximately 1.9 L of undiluted filter press water to generate a tailings slurry. The slurries were loaded into the respective columns and the columns were sealed.

Following column construction, the two columns received either undiluted filter press water (Sat Col 1) or filter press water diluted with DI water to a ratio of 1:19 (filter press water: DI water; i.e., 5% filter press water) (Sat Col 2) as influent. Approximately 250 mL of influent was pumped into the columns on a biweekly basis, and a water quality sample of the equivalent volume was collected. Saturated column testwork was conducted at room temperature (~22°C).

Effluent was collected and analyzed for pH, conductivity, alkalinity, anions, dissolved metals, total and WAD cyanide, and nutrient parameters (nitrogen species and phosphorus). Arsenic speciation

and ferrous iron samples were collected for initial characterization of influent and porewater chemistry. Influent was collected for analysis on week 0, 8, 16 and 26 of the experiment. No influent sampling occurred after week 26 due to influent volume limitations and stabilized results for most parameters.

The saturated column experiment was run from October 15, 2020 to August 21, 2021 for a total of 45 weeks.

Table 2-1:
Saturated Column Tailings Composite Summary

Test Pit ID	Mass Available	Retain	Composite for Saturated Column Testing
	kg	kg	kg
TSF 25	5.6	5.6	0
TSF 26	7.4	0.2	7.2
TSF 27	4.9	0.2	4.7
TSF 28	4.05	0.2	3.85
TSF 29	4.15	0.2	3.95
TSF 30	4.62	0.2	4.42
Total Mass	30.72	6.6	24.12

2.3 Humidity Cell

The humidity cell test was operated at SGS Laboratories (in Burnaby) to simulate weathering of tailings paste backfill in the underground. The test is designed to mimic weathering conditions by exposing a sample to alternating cycles of dry and moist air, with regular flushing of the samples. The paste humidity cell used connate water collected from the Tiriganiaq Underground as influent for the flushing intervals.

Humidity cells are composed of Plexiglas cylinders (10.2 cm inner diameter, 25.5 cm length) filled with 1 kg of sample. The sample material is placed on a perforated acrylic disk covered in a nylon mesh. The contents of the cell are subjected to three days of dry air permeation followed by three days of humid air permeation (<10% relative humidity). On the seventh day, at the end of each wet/dry cycle, the contents of the cell are leached with 500 mL of influent (connate water). The purpose of the leaching step is to recover any readily soluble reaction products that have formed due to mineral dissolution or sulphide oxidation. The effluent is collected and analyzed for key parameters (*e.g.,* pH, conductivity, acidity, alkalinity, total and weak acid dissociable (WAD) cyanide, anions, dissolved metals and nitrogen species) at regular intervals. The humidity cell experiments were operated in a 4°C cold room to mimic the temperature of the mine underground

The paste tailings humidity cell (T1) experiment was run from February 11, 2021 to August 19, 2021.

Table 2-2:
Whole Ore Tailings Acid Base Accounting Results Summary

Parameter	Paste pH	NAG pH	Total-S	Sulphide S	Sulphate-S	SAP	Site Specific AP	Total-C	Total Inorganic-C	CaNP	CaNP-adj	Modified NP	NPR	NPR
Unit	s.u.	s.u.	wt.%	wt.%	wt.%	kg $CaCO_3$/t	kg $CaCO_3$/t	wt.%	wt.%	kg $CaCO_3$/t	kg $CaCO_3$/t	kg $CaCO_3$/t	CaNP-adj/SAP	Mod-NP/SAP
TSF 25	8.0	5.8	1.9	1.5	0.42	48	55	1.5	1.2	98	69	74	1.5	1.6
TSF 26	8.0	5.7	2.0	1.6	0.38	51	59	1.5	1.2	100	70	77	1.4	1.5
TSF 27	8.0	5.9	2.1	1.6	0.43	51	60	1.6	1.2	103	72	79	1.4	1.5
TSF 28	8.1	5.7	2.1	1.6	0.51	49	57	1.6	1.2	103	72	82	1.5	1.7
TSF 29	8.1	5.6	1.8	1.5	0.27	48	56	1.5	1.2	101	71	79	1.5	1.6
TSF 30	8.2	5.7	1.9	1.6	0.27	51	59	1.5	1.2	102	71	77	1.4	1.5
Paste Tailings	9.5	7.1	1.4	1.1	0.28	42	42	2.1	1.9	154	108	150	2.6	3.5

Notes:
Sulphide-S is calculated by difference (Total-S wt.% – Sulphate-S wt.%)
SAP: Sulphide Acid Potential is calculated from Sulphide-S (by difference) content (Sulphide-S wt.% x 31.25)
Site-Specific AP is calculated from Sulphide-S multiplied by the relative composition and AP contribution of pyrrhotite, pyrite and arsenopyrite as determined from XRD, TIMA and ICP-MS results for each rock unit (described in Section 5.2.1.2).
CaNP: Carbonate Neutralization Potential is calculated from Total Inorganic Carbon content (%C wt.% x 100.09/12.01 x 10)
CaNP-adj: Adjusted Carbonate Neutralization Potential is calculated from Total Inorganic Carbon content multiplied by the relative composition and NP contribution of ankerite, calcite, dolomite and siderite as determined from XRD analysis for each rock unit (described in Section 5.2.2.3).
Modified-NP (Neutralization Potential) is determined by the Lawrence and Wang (1996) method
NPR: Net Potential Ratio is calculated by taking the ratio of CaNP-adj/SAP and Modified-NP/SAP
NAG (Net Acid Generation) pH

Table 2-3:
Tailings Solid Phase Element Results Summary

Parameter	Ag	Al	As	Bi	Cd	Co	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Sb	Se	Zn
Unit	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
TSF 25	0.37	18,800	8,658	0.79	0.25	14	24	83	108,900	389	8.5	28	280	1.2	<1	81
TSF 26	0.37	18,000	9,650	0.81	0.39	16	24	91	106,400	413	8.9	30	287	1.3	1	109
TSF 27	0.37	17,000	9,936	0.85	0.59	17	23	106	104,300	430	8.6	32	276	1.4	1	160
TSF 28	0.31	16,600	9,233	0.78	0.56	19	25	111	95,000	454	8.7	34	230	1.2	1	159
TSF 29	0.29	16,900	9,210	0.81	0.51	15	24	106	103,900	435	8.7	32	289	1.4	1	134
TSF 30	0.29	18,100	9,379	0.79	0.37	15	24	90	108,300	422	8.1	30	280	1.4	<1	109
Paste Tailings	0.44	18,700	7,739	0.69	0.27	15	33	106	102,100	639	6.6	42	320	1.7	<1	96

Figure 2-1: Photograph of Sat Col 1 (left) and Sat Col 2 (right)

3. Results

3.1 Saturated Columns

Saturated column test work was completed to characterize the metal leaching characteristics of tailings materials under saturated conditions which can develop in interior sections of the TSF. Understanding how suboxic redox chemistry will affect the release and attenuation of parameters of concern in the TSF can inform the development of water quality predictions. Complete analytical results for saturated column effluent are reported in Appendix A.

Both saturated column tests produced circumneutral to alkaline pH values for the duration of the experiment. Minimum values were observed in the initial weeks of testing (pH 6.76 and 6.42) before stabilizing at more alkaline values after week 8 (pH 7.42 to 8.07). Conductivity in the columns show a trend of an initial increase in the first few weeks followed by a gradual decline and stabilization. Conductivity in Sat Col 1 peaked at 86,300 µS/cm in week 4 and stabilized to concentrations comparable to the undiluted filter press influent by week 32 (~2,600 µS/cm). Similarly, maximum conductivity in Sat Col 2 (72,100) was observed in week 4 and stabilizing in the final few weeks of the experiment (~4,200 to 4,500).

Effluent results were compared to the MDMER and AEMP guidelines to identify parameters which may be elevated in paste backfill runoff, however, these guidelines are only used as a screening tool as water from the underground will not be directly discharged to the receiving environment.

Effluent results were compared to the Metal and Diamond Mining Effluent Regulations (MDMER) and Aquatic Effects Monitoring Program (AEMP) Water Quality Guidelines (Table 3-1). Note that these guidelines are only used as a screening tool as water from the underground will not be directly discharged to the receiving environment. Guidelines which were derived for total concentrations are applied to dissolved concentrations for the purpose of this assessment. Saturated column effluent results generally reported concentrations above guideline in one or more effluent samples over the course of the experiment, with the exception of Ba, Mn, Tl and V, which were routinely below guideline values. Analytical results for Cd, Hg and Zn were typically below detection, however, detection limits were often above AEMP criteria. High detection limits and decreased analytical precision are an artifact of high TDS in effluent samples.

Parameters which have significantly higher concentrations than AEMP guidelines (>5x) in saturated column effluent included TDS, NH_3, NO_2, NO_3, SO_4, Cl, Ag, As, Co, Cu, Fe, Mo, Pb and Se (Figure 3-1 through Figure 3-4). Parameters in column leachate above MDMER guidelines included As, T-CN, NH_3 and Cu. Each of these parameters were also above their respective guidelines in the filter press water used to initiate the columns.

In general concentrations of most parameters declined over time as the initial filter press water was rinsed out of the column and/or reactive parameters decayed (*i.e.*, T-CN and NH_3). Notably, concentrations of T-CN, Ag, As and Cu declined below influent concentrations over the course of the experiment indicating that attenuation of these parameters was occurring within the saturated columns. These attenuation reactions were likely related to decay of T-CN and sorption of Ag, As and Cu to mineral surfaces.

Parameters which were elevated in column effluent relative to filter press water included TDS, SO_4, NO_2, Co, Se and Mo. Elevated TDS and SO_4 are likely related to dissolution of minerals formed within the mill (gypsum) or as evaporites on the TSF surface (halite and gypsum). Note that both halite and gypsum were identified in XRD results from several of the TSF samples (Lorax, 2022). Nitrite forms as an intermediate reaction product during NO_3 reduction. Formation of NO_2 was likely a result of incomplete reduction of NO_3 to NH_4 or N_2 gas within the columns.

The trace metals Co, Se and Mo occur in concentrations greater filter press water, but otherwise show similar rinsing behaviour as other parameters. The concentration of these parameters rapidly declines over time, stabilizing at concentrations similar to column influent after 24 to 28 weeks. The elevated initial concentrations of these metals indicate they are present as a water-soluble phase (*e.g.,* evaporates or oxides) which is quickly depleted within the column.

Table 3-1:
Summary of Metal and Diamond Mining Effluent Regulations (MDMER) and Aquatic Effects Monitoring Program (AEMP) Water Quality Guidelines

Parameter	Unit	MDMER	AEMP
TDS	mg/L		1000
NH_3-N	mg/L	37	2.68
NO_3-N	mg/L		2.93
NO_2-N	mg/L		0.06
Cl	mg/L		120
F	mg/L		0.12
SO_4	mg/L		128
T-CN	mg/L	0.5	
T-Ag	mg/L		0.00025
T-Al	mg/L		0.1
T-As	mg/L	0.1	0.025
T-B	mg/L		1.5
T-Ba	mg/L		1
T-Cd	mg/L		0.000042
T-Co	mg/L		0.00078
T-Cr (VI)	mg/L		0.005
T-Cu	mg/L	0.1	0.002
T-Fe	mg/L		1.06
T-Hg	mg/L		0.000026
D-Mn	mg/L		0.21
T-Mo	mg/L		0.073
T-Ni	mg/L	0.25	0.025
T-P	mg/L		0.01
D-Pb	mg/L		0.00331
T-Sb	mg/L		0.009
T-Se	mg/L		0.001
D-Sr	mg/L		2.5
T-Tl	mg/L		0.0008
T-U	mg/L		0.015
T-V	mg/L		0.12
D-Zn	mg/L		0.0051

Notes:
AEMP benchmark for metals apply to the total fraction. In the case of Pb, Mn, Sr, and Zn, the freshwater aquatic life guidelines derived for the dissolved fraction have been adopted as the AEMP benchmark.
AEMP benchmarks for total Cd, Cu and Ni and dissolved Zn are derived from long-term Canadian Council of Ministers of the Environment (CCME, 2007) Freshwater Quality Guidelines for Protection of Aquatic Life. Guidelines for these parameters are hardness dependent and were calculated using median concentrations from monitoring data collected in 1997 to 2020 from Meliadine Lake monitoring stations (hardness = 20 mg $CaCO_3$/L; pH = 7.5; DOC = 2 mg/L).
The sulphate guideline is hardness dependent- 128 mg/L corresponds to a median hardness < 30 mg $CaCO_3$/L in Meliadine Lake.
The ammonia AEMP benchmark is derived from CCME guidelines and assumes a temperature of 10°C and pH 7.5 (median value in Meliadine Lake).

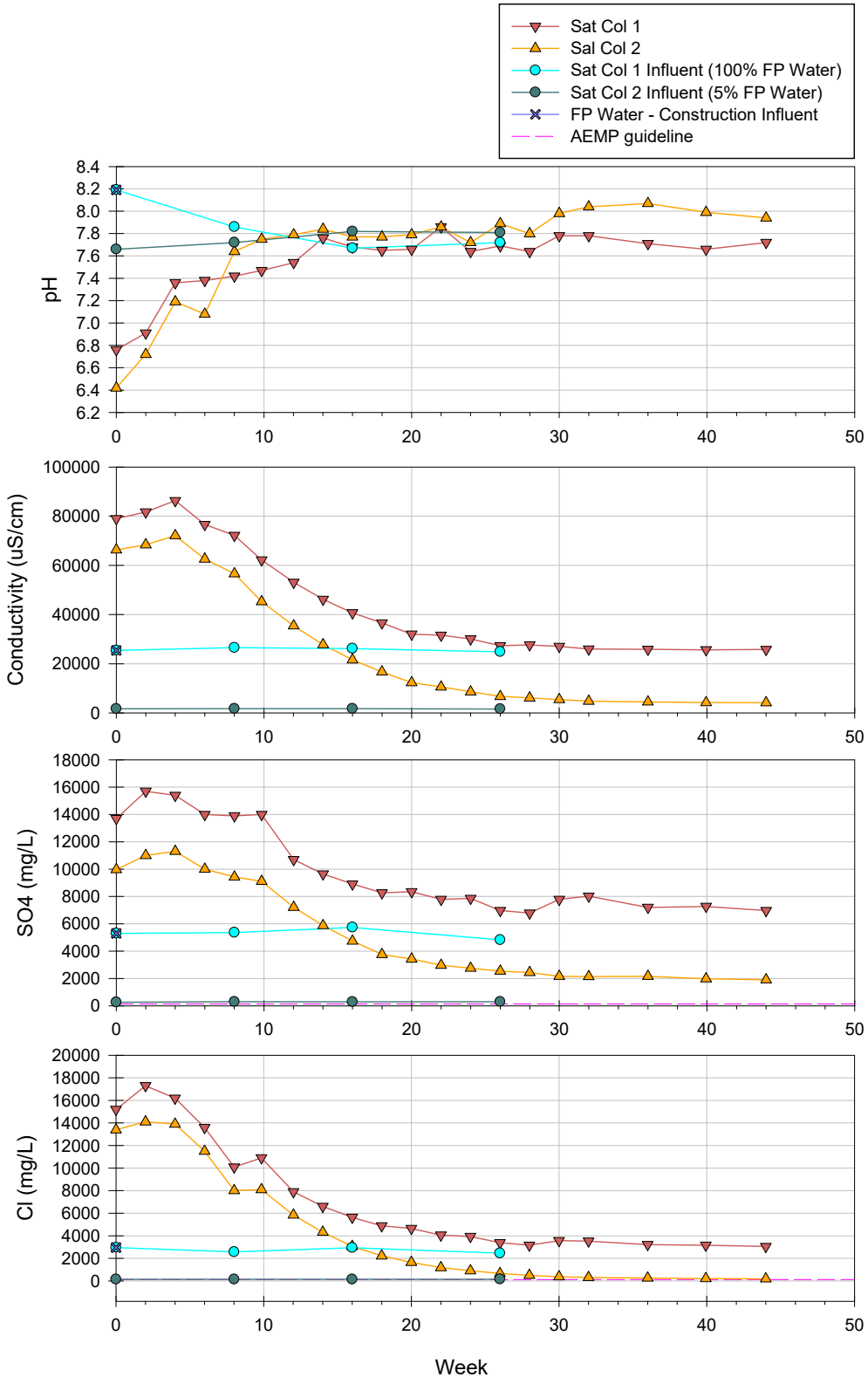

Figure 3-1: Timeseries plots of saturated column results for pH, conductivity, sulfate, and chloride

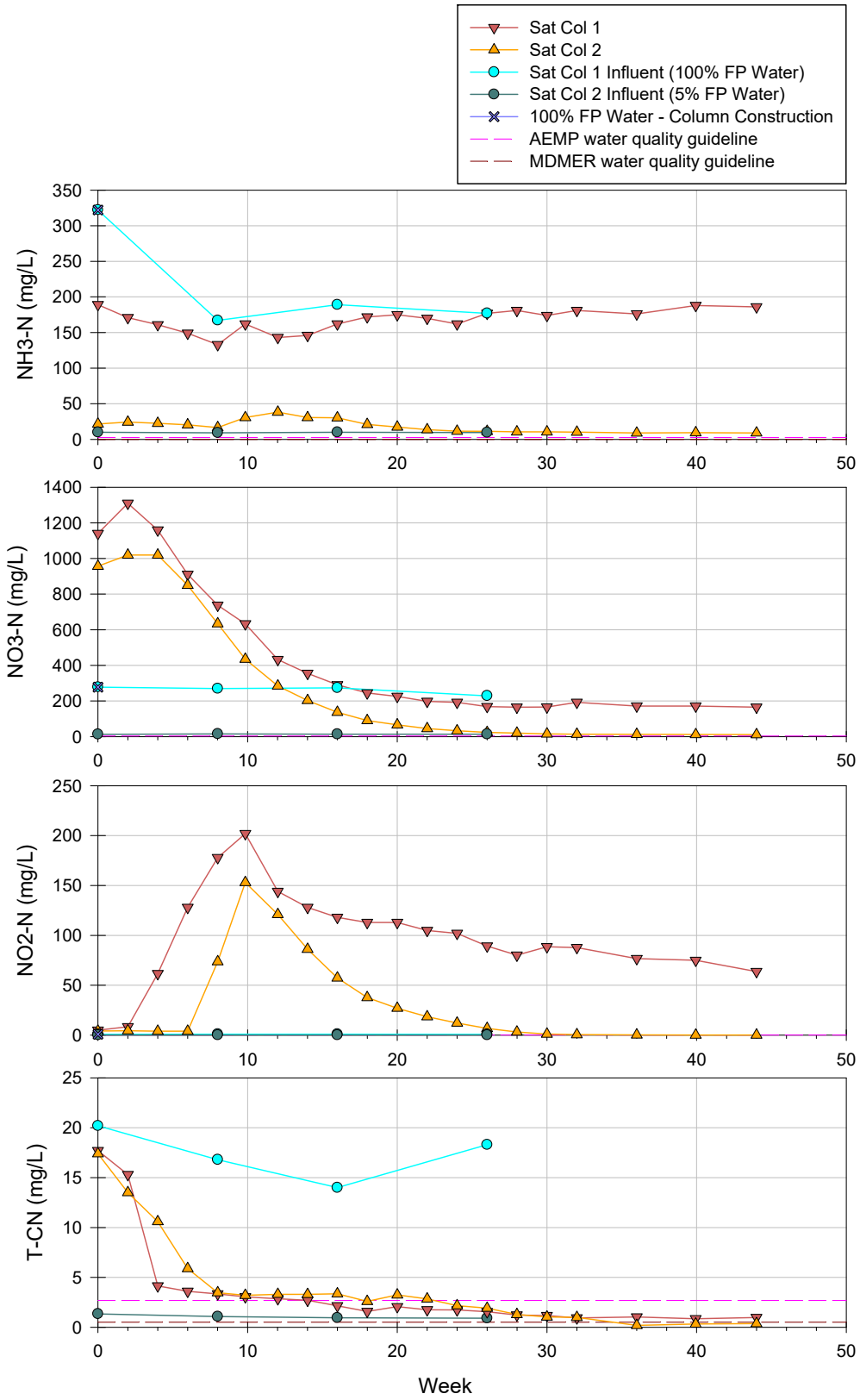

Figure 3-2: Timeseries plots of saturated column results for ammonia, nitrate, nitrite and total cyanide.

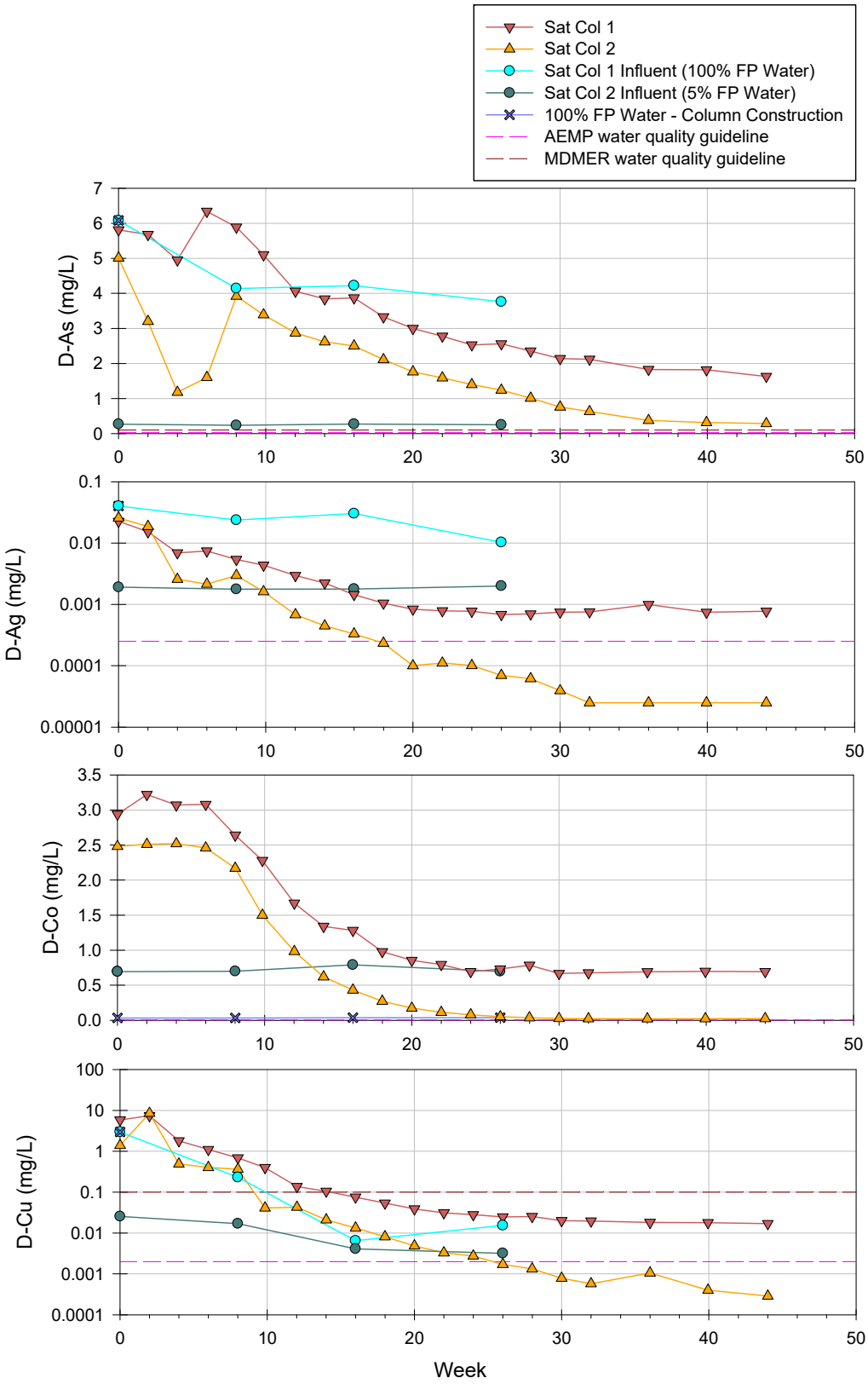

Figure 3-3: Timeseries plots of saturated column results for dissolved arsenic, silver, cobalt and copper.

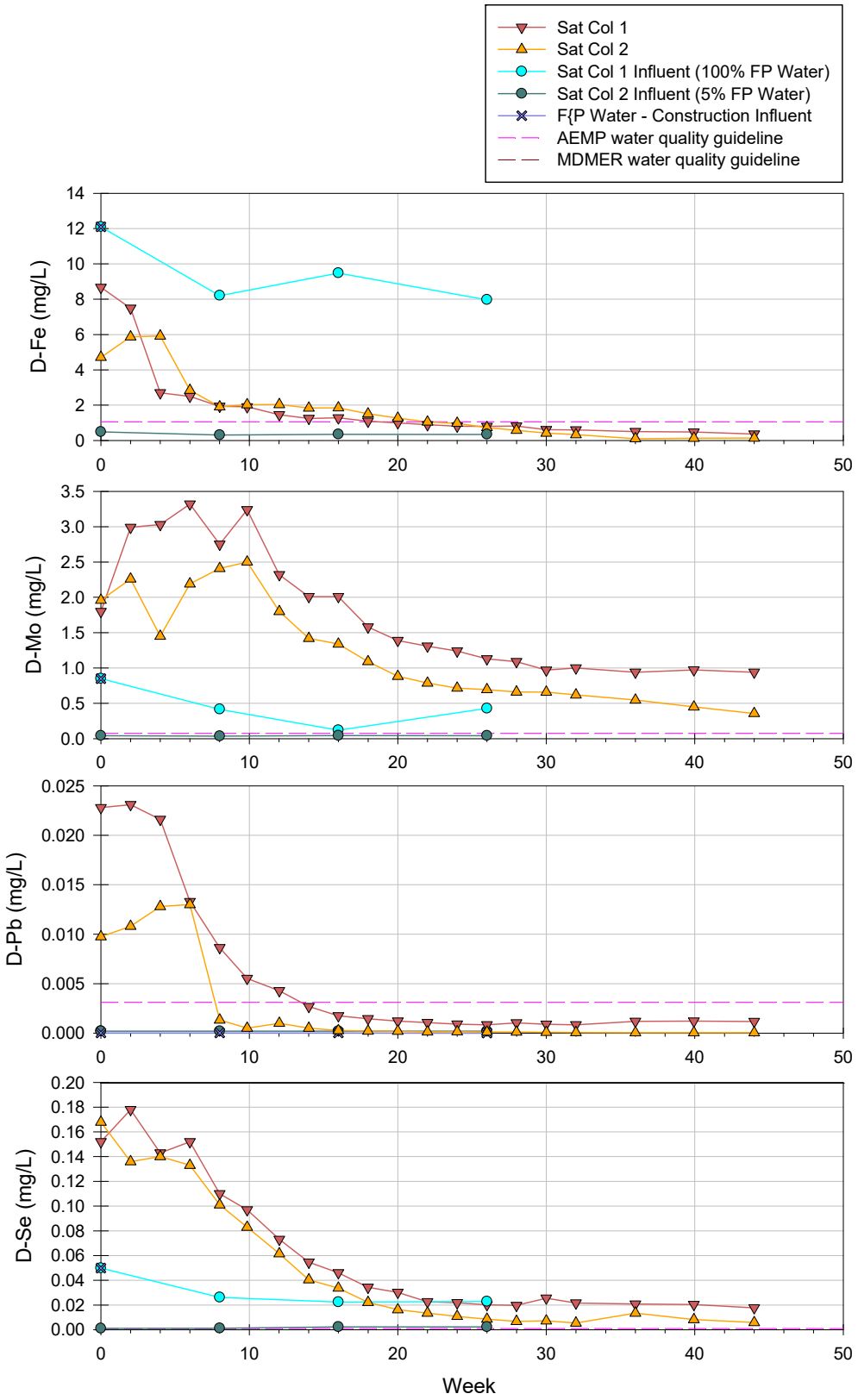

Figure 3-4: Timeseries plots of saturated column results for dissolved iron, molybdenum, lead, and selenium.

3.2 Humidity Cell

Tailings generated by the Meliadine Extension operations will be deposited as dry stack tailings placed in the TSF or paste backfilled placed in the underground. The purpose of paste humidity cell test was to provide information on metal leaching potential of tailings backfill in the mine underground. Connate water influent and HCT effluent results are presented in Appendix B. Timeseries plots of select parameters are presented in Figure 3-5 to Figure 3-8.

The paste tailings HCT showed elevated pH in the first two cycles of the test (pH 9.5 to 8.5) before stabilizing at lower, but still circumneutral to alkaline, pH values for the remainder of the test (pH 7.21 to 8.25) (Figure 3-5). The rapid decline in pH reflects rinsing of residual cement binder from the paste tailings sample followed by carbonate mineral buffering.

Effluent results were compared to the MDMER and AEMP guidelines to identify parameters which may be elevated in paste backfill runoff, however, these guidelines are only used as a screening tool as water from the underground will not be directly discharged to the receiving environment.

Connate water influent and HCT effluent reported detectable concentrations above AEMP guidelines for TDS, NH_3, Cl, As, Cd, Cr, Co, Cu, Mo, P, Se, Ag, Sr and Zn. Fluoride concentrations were also above the AEMP guideline in the HCT effluent, and above the Mn guideline in the connate influent. Analytical results for NO_2, and dissolved Hg were routinely below detection, however, detection limits were often above AEMP criteria. High detection limits and decreased analytical precision are due to the high TDS in the connate influent and HCT effluent.

Especially high detection limits were reported during the July 21, 2021 sampling event. The timeseries plots appear to show an increase in dissolved Cr, Cu, Fe, Zn for this sample event, however the sudden increase is due to elevated detection limits and should not be interpreted as an increasing trend. Reduced analytical precision and variable detection limits is an artifact of the high TDS of HCT effluent.

Parameters which were significantly higher concentrations than AEMP guidelines (>5x) in HCT effluent included TDS, NH_3, SO_4, Cl, Ag, As, Cd, Co, Cu, Se, and Zn (Figure 3-6 through Figure 3-8). Parameters above MDMER guidelines were limited to As, T-CN. Of these parameters TDS, SO_4, NH_3, Cl, Ag, Cd and Zn were also above the respective guidelines in column influent.

Major ions and TDS were generally stable for the duration of the experiment with column effluent showing similar concentrations as column influent. Results for SO_4 and Ca were notable in that effluent concentrations varied overtime and showed elevated concentrations compared to influent. Release of these parameters from the paste tailings samples is likely related to gypsum

dissolution and/or oxidation of sulphide minerals. Gypsum was not identified in XRD analysis of paste tailings, but likely formed in low quantities (<1 wt.%) as a result of lime addition.

Most trace metals either declined in concentration or were stable for the kinetic test duration with the notable exception of As (Figure 3-7). Initial arsenic concentrations of 1.0 mg/L increased to over 3.0 mg/L in the first 9 cycles, and then fluctuated between 1.2 and 3.0 mg/L for the remainder of the experiment. The release of As and other trace metals from the HCT is likely related to a combination of sulphide mineral oxidation and ion exchange driven by interaction with connate water. Elevated Cr in HCT effluent is likely related to the presence of hexavalent Cr in the cement binder used in paste tailings production. However, Cr results are highly variable, fluctuating between 0.02 mg/L and the method detection limit of 0.008 mg/L. This may in part be related to poor analytical precision in the high TDS effluent.

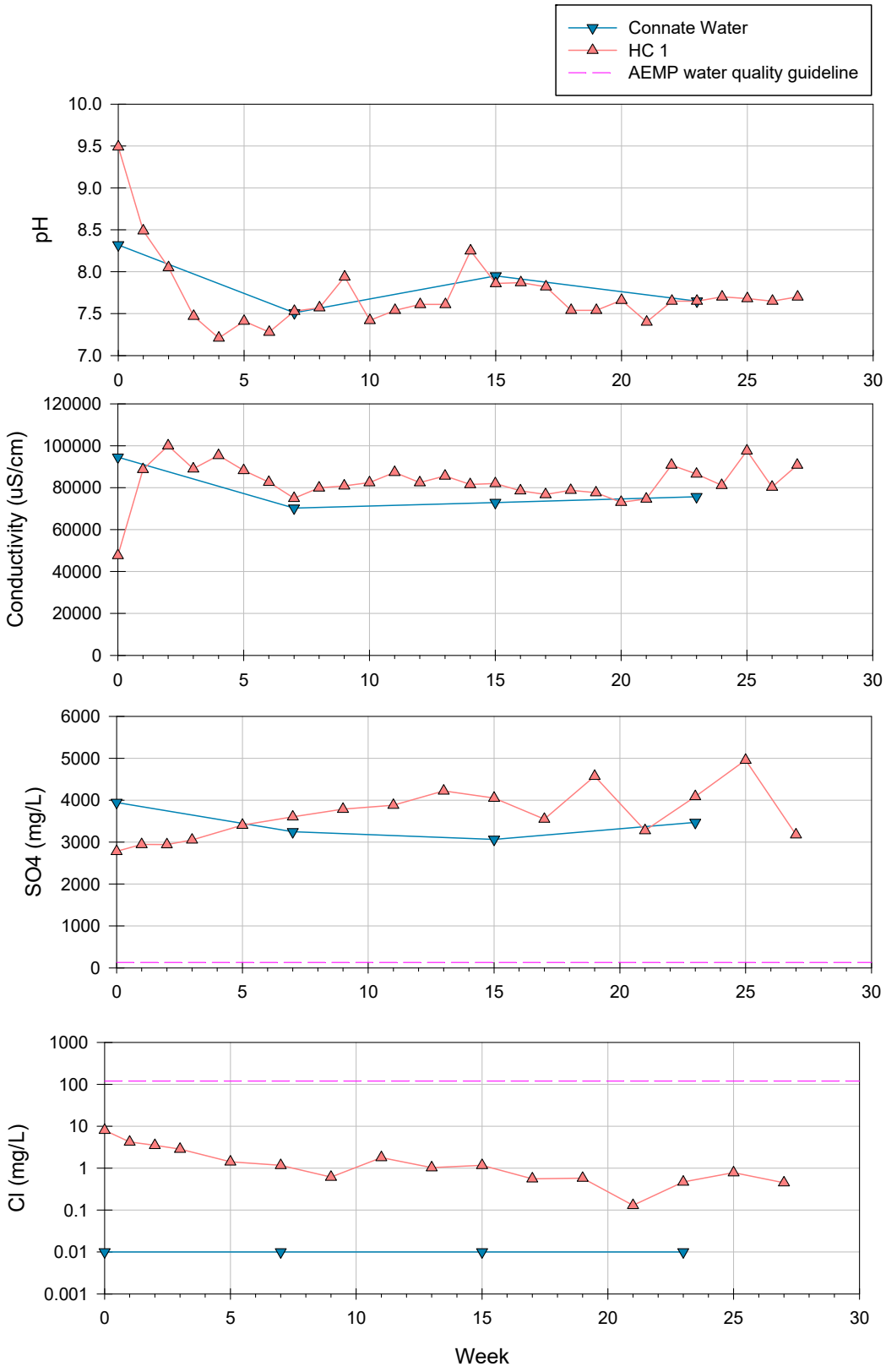

Figure 3-5: Timeseries plots of humidity cell results for pH, conductivity, sulphate and chloride

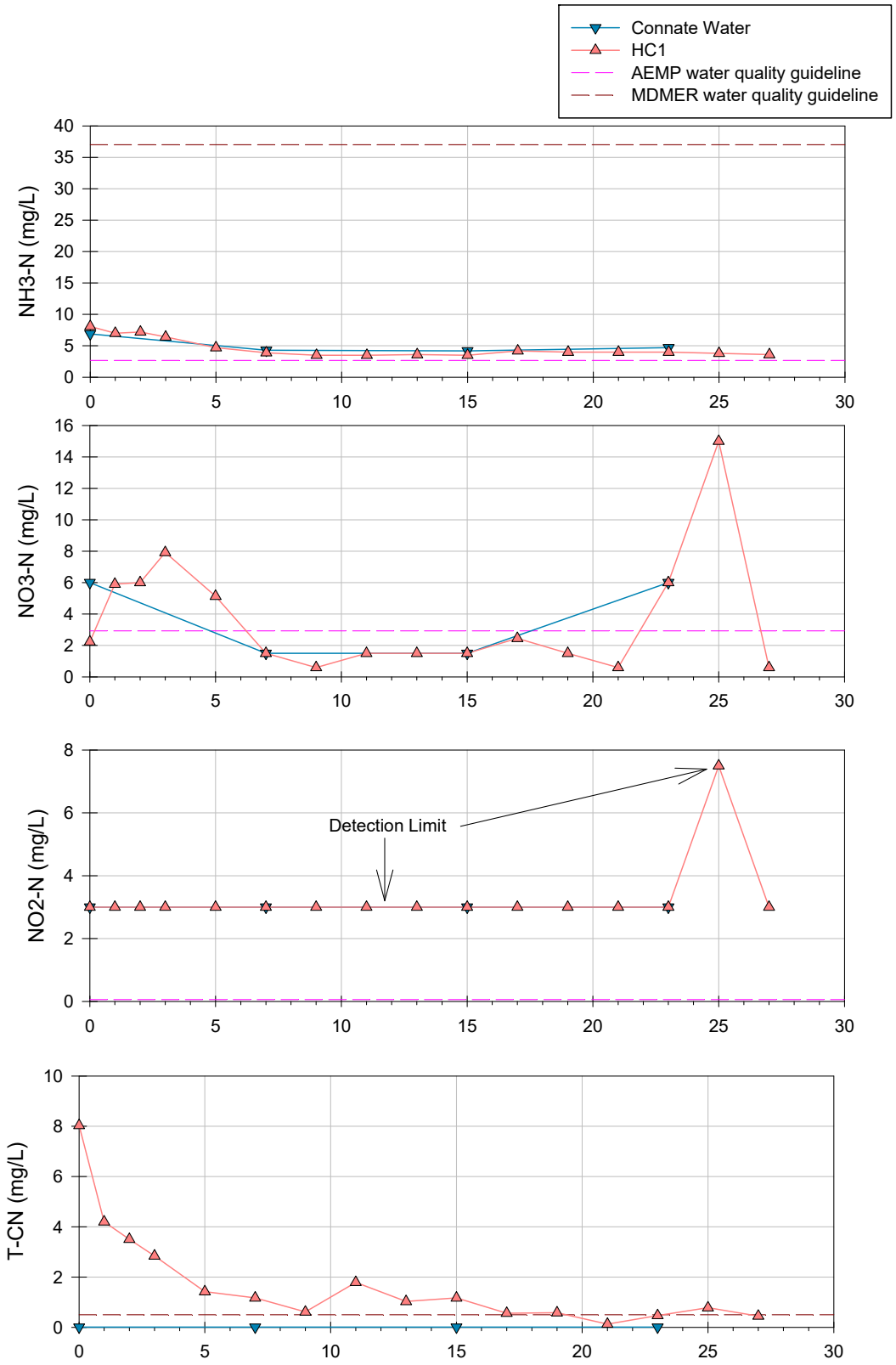

Figure 3-6: Timeseries plots of humidity cell results for ammonia, nitrate, nitrite, and total cyanide.

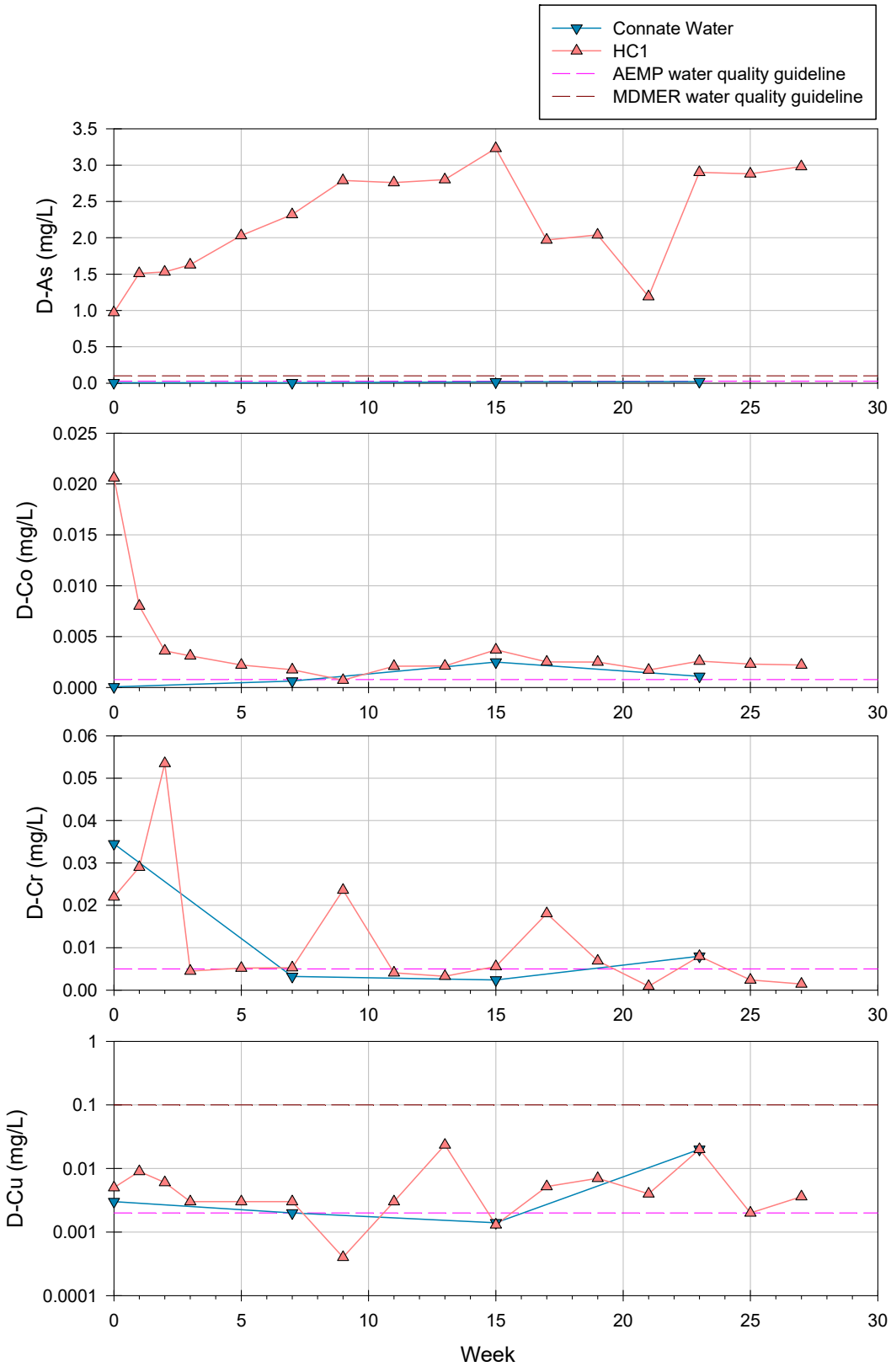

Figure 3-7: Timeseries plots of humidity cell results for dissolved arsenic, dissolved cobalt, dissolved chromium and dissolved copper.

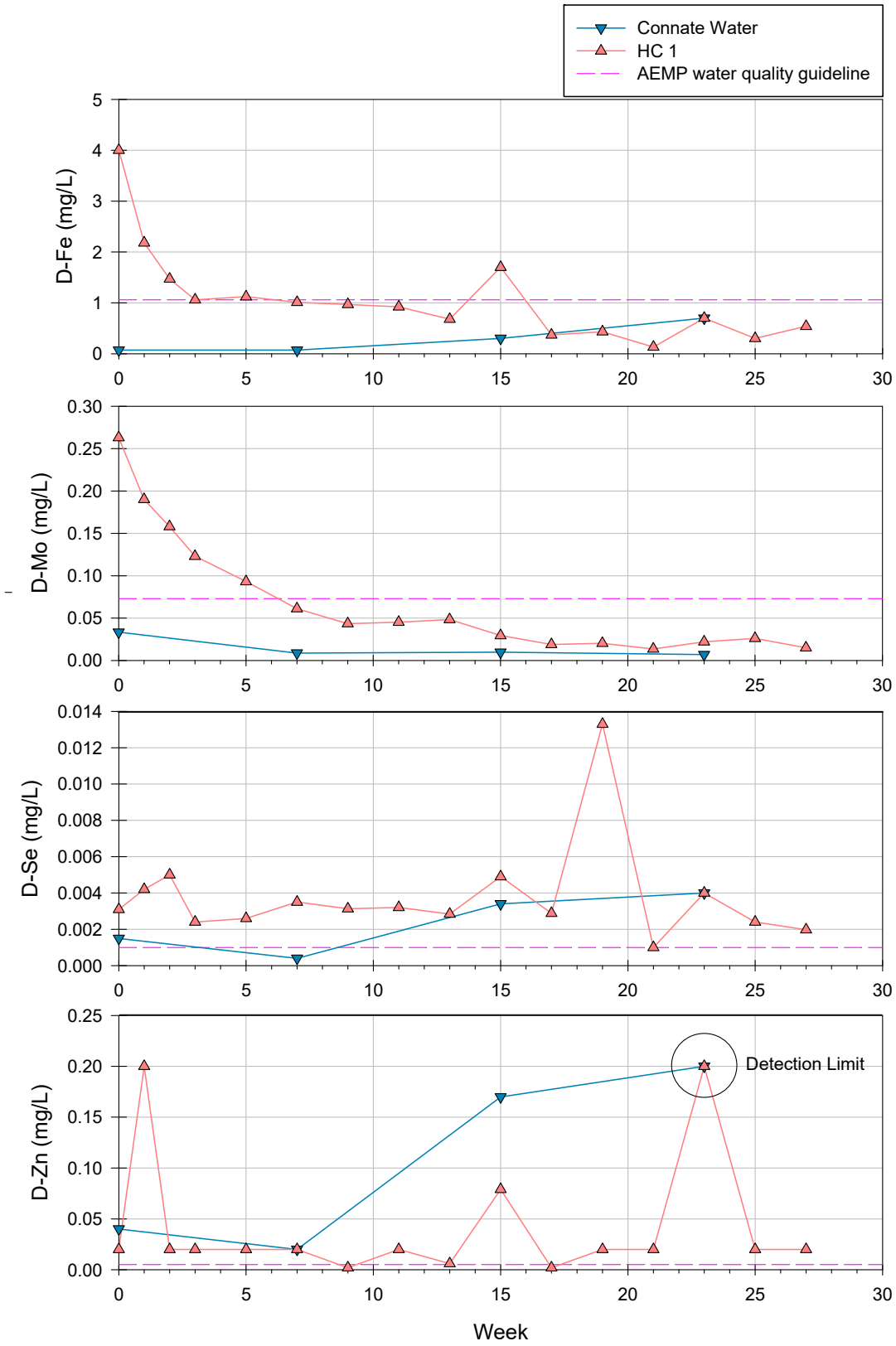

Figure 3-8: Timeseries plots of humidity cell results for dissolved iron, molybdenum, selenium and zinc.

4. Conclusions

4.1 Saturated Columns

Saturated column test work was completed to characterize the metal leaching characteristics of tailings materials under saturated conditions which can develop in interior sections of the TSF. Two saturated columns with undiluted filter press water influent and diluted (5%) filter press influent aimed to simulate initial and flushed conditions in the saturated portions of the TSF, respectively.

Both saturated columns produced circumneutral to alkaline pH values (pH 6.76 to 8.07) for the duration of the experiment. Major ions and dissolved metals generally declined over the course of the experiment as the initial filter press water was rinsed out of the column an/or reactive parameters decayed (i.e., T-CN and NH_3). Notably, concentrations of T-CN, Ag, As and Cu declined below influent concentrations over the course of the experiment indicating that attenuation of these parameters was occurring within the saturated columns. These attenuation reactions were likely related to decay of T-CN and sorption to mineral surfaces.

Overall, saturated column results show that metal release will be dominated by rinsing of filter press water and water-soluble oxides and evaporites. Saturated column results show limited evidence for reductive dissolution reactions. This is likely related to the large reservoir of NO_3 present in filter press water, preventing the development of conditions capable of reducing Mn and Fe oxide minerals.

4.2 Humidity Cell

The humidity cell test was completed to simulate weathering of tailings paste backfill in the underground and evaluate the metal leaching potential of the tailings paste backfill. The HCT used connate water collected from the Tiriganiaq Underground for the flushing intervals for the experiment.

The paste tailings HCT showed elevated pH in the first two cycles of the test (pH 9.5 to 8.5) before stabilizing at lower, but still alkaline, pH values for the remainder of the test (pH 7.21 to 8.25) due to buffering from residual cement binder.

Major ions and TDS were generally stable for the duration of the experiment with column effluent showing similar concentrations as column influent. Most trace metals either declined in concentration or were stable for the kinetic test duration, with the notable exception of As which fluctuated between 1.2 and 3.0 mg/L for the experiment. The release of As and other trace metals from the HCT is likely related to a combination of sulphide mineral oxidation and ion exchange driven by interaction with connate water.

Overall, the results of the paste backfill HCT show that oxidation of paste tailings in the mine underground has the potential to release a number of parameters, most notably As and Cr. The ability of paste to leach metals is expected to decline over time as the paste cures and backfilling progresses, limiting oxygen ingress into the backfilled stopes.

5. Closure

We trust that this memo meets your expectations. Please contact the undersigned with any questions or comments.

Respectfully,
Lorax Environmental Services Ltd.

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Reviewed by:

2022-10-25

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Senior Geochemist

PERMIT TO PRACTICE
LORAX ENVIRONMENTAL SERVICES LTD.
Signature
Date Oct 25, 2022
PERMIT NUMBER: P 1487
NT/NU Association of Professional Engineers and Geoscientists

References

Jurjovec, J., Ptacek, C. J., & Blowes, D. W. (2002). Acid neutralization mechanisms and metal release in mine tailings: a laboratory column experiment. Geochim. Cosmochim. Acta, 66(9), 1511-1523.

Okane Consultants (Okane). 2022. Meliadine ACLC Kinetic Testing Summary Memorandum. Prepared for Agnico Eagle Mines Ltd. Dated September 20, 2022.

Petrunic, B. M., MacQuarrie, K. T. B., & Al, T. A. (2005). Reductive dissolution of Mn oxides in river recharged aquifers: a laboratory column study. Journal of Hydrology, 301(1-4), 163-181.

Appendix A: Tailings Saturated Columns Results

AGNICO EAGLE

Appendix A: Tailings Saturated Columns Results

					AEMP	-	-	**1000**	-	-	**2.68**	**2.93**	**0.06**	**0.01**	-	-	-	-	**120**	-	**0.00025**	**0.1**	**0.025**	**1.5**	**1**	-
					MDMER	-	-	-	-	-	-	-	-	-	-	**0.5**	-	-	-	-	-	-	**0.1**	-	-	-
Column ID	**Sample Description**	**Sample No.**	**Collect Date/Time**	**Week Number**	**Leachate Volume**	**pH**	**Conductivity**	**TDS (Calc.)**	**Alkalinity**	**DOC**	**NH3-N**	**NO2-N**	**NO3-N**	**TD-P**	**CN-WAD**	**T-CN**	**SO4**	**D-Br**	**D-Cl**	**D-F**	**D-Ag**	**D-Al**	**D-As**	**D-B**	**D-Ba**	**D-Be**
					mL	-	**µS/cm**	**mg/L**	**mg/L as $CaCO_3$**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Sat Col 1	100% FP Influent	VA20B3261-001	2020-08-20	0	200	8.19	25400	**16039**	621	698	**322**	0.811	**278**	<0.002	<0.2	20.2	5300	10.3	**2960**	<2	**0.0403**	**0.830**	**6.08**	0.926	0.122	<0.0001
	100% FP Influent	VA20B8334-004	2020-10-16	1	100																					
	100% FP Influent	VA20C3088-003	2020-12-10	9	200	7.86	26550	**14644**	394	722	**167**	0.893	**270**	<0.002	0.455	16.8	5360	10.7	**2570**	<2	**0.0237**	0.357	**4.14**	0.886	0.0210	<0.0001
	100% FP Influent	VA21A2099-003	2021-02-04	17	200	7.67	26200	**16748**	292	740	**189**	0.952	**274**	**0.163**	<0.5	14.0	5740	10.6	**2940**	<2	**0.0304**	0.319	**4.22**	0.985	0.0199	<0.0001
	100% FP Influent	VA21A7075-003	2021-04-15	27	200	7.72	24840	**13641**	176	784	**177**	0.804	**229**	<0.002	0.386	18.3	4820	8.82	**2460**	<1	**0.0103**	0.291	**3.76**	0.867	0.0194	<0.0001
	Sat Col 1 Effluent	VA20B8229-001	2020-10-15	1	217	6.76	79000	**56306**	488	2390	**189**	4.83	**1140**	0.0174	<0.2	17.7	13700	36.1	**15200**	<2	**0.0226**	<0.05	**5.81**	3.02	0.0978	<0.00025
	Sat Col 1 Effluent	VA20B8334-001	2020-10-16	1	88																					
	Sat Col 1 Effluent	VA20B9552-001	2020-10-29	3	238	6.91	81700	**60037**	636	2520	**171**	8.40	**1310**	0.0168	0.284	15.3	15700	52.1	**17300**	<2	**0.0153**	<0.1	**5.68**	3.97	0.0951	<0.0005
	Sat Col 1 Effluent	VA20C0659-001	2020-11-12	5	226	7.36	86300	**56623**	976	2350	**161**	**61.7**	**1160**	0.0084	0.102	4.14	15400	44.5	**16200**	<2	**0.00693**	<0.1	**4.95**	4.05	0.0822	<0.0005
	Sat Col 1 Effluent	VA20C1948-001	2020-11-26	7	237	7.38	76600	**52586**	1496	2280	**149**	**128**	**911**	0.0029	0.175	3.60	14000	43.7	**13600**	<2	**0.00745**	<0.05	**6.34**	4.61	0.0701	<0.00025
	Sat Col 1 Effluent	VA20C3088-001	2020-12-10	9	248	7.42	72200	**45895**	1367	1750	**133**	**178**	**738**	0.0058	<0.2	3.35	13900	40.8	**10100**	<2	**0.00541**	<0.1	**5.89**	4.25	0.0639	<0.0005
	Sat Col 1 Effluent	VA20C4070-001	2020-12-23	11	237	7.47	62200	**45817**	1442	1620	**162**	**202**	**633**	0.0084	0.179	3.05	14000	31.4	**10900**	<1	**0.00436**	<0.05	**5.10**	3.77	0.0666	<0.00025
	Sat Col 1 Effluent	VA21A0318-001	2021-01-07	13	255	7.54	53100	**33533**	863	1380	**143**	**144**	**433**	0.0085	<0.1	2.86	10700	27.6	**7900**	<2	**0.00296**	<0.1	**4.06**	3.45	0.0535	<0.0005
	Sat Col 1 Effluent	VA21A1187-001	2021-01-21	15	239	7.76	46200	**29587**	699	1170	**146**	**128**	**355**	0.0055	<0.2	2.71	9650	21.2	**6610**	<2	**0.00224**	<0.1	**3.84**	3.29	0.0514	<0.0005
	Sat Col 1 Effluent	VA21A2099-001	2021-02-04	17	239	7.68	40700	**27147**	600	1030	**162**	**118**	**291**	0.0031	0.0591	2.15	8910	19.2	**5630**	<2	**0.00145**	<0.05	**3.87**	2.86	0.0503	<0.00025
	Sat Col 1 Effluent	VA21A2988-001	2021-02-18	19	237	7.65	36600	**23104**	584	906	**172**	**113**	**245**	0.0036	<0.1	1.58	8270	17.0	**4880**	<2	0.00105	<0.05	**3.33**	2.34	0.0457	<0.00025
	Sat Col 1 Effluent	VA21A4045-001	2021-03-04	21	229	7.66	32000	**21847**	545	844	**175**	**113**	**226**	0.0050	<0.1	2.06	8350	16.2	**4650**	<2	0.000836	<0.05	**3.00**	2.22	0.0448	<0.00025
	Sat Col 1 Effluent	VA21A5131-001	2021-03-18	23	233	7.86	31600	**20423**	501	886	**170**	**105**	**198**	0.0031	<0.05	1.74	7780	14.0	**4060**	<2	0.000789	<0.05	**2.78**	2.00	0.0469	<0.00025
	Sat Col 1 Effluent	VA21A6189-001	2021-04-01	25	271	7.64	30100	**19245**	481	802	**162**	**102**	**192**	0.0034	<0.1	1.73	7860	13.7	**3940**	<2	0.000774	<0.05	**2.53**	1.83	0.0409	<0.00025
	Sat Col 1 Effluent	VA21A7075-001	2021-04-15	27	237	7.69	27360	**17592**	471	761	**177**	**89.3**	**169**	<0.002	<0.05	1.56	6970	11.9	**3390**	<1	0.000685	<0.02	**2.56**	1.59	0.0442	<0.0001
	Sat Col 1 Effluent	VA21A8138-001	2021-04-29	29	259	7.64	27660	**16262**	424	734	**181**	**80.2**	**165**	<0.002	<0.04	1.23	6790	11.8	**3170**	<2	0.000702	<0.02	**2.35**	1.39	0.0412	<0.0001
	Sat Col 1 Effluent	VA21A9208-001	2021-05-13	31	245	7.78	27020	**18279**	437	710	**174**	**88.5**	**166**	<0.002	0.0742	1.18	7780	11.3	**3580**	<2	0.000748	<0.02	**2.14**	1.45	0.0380	<0.0001
	Sat Col 1 Effluent	VA21B0429-001	2021-05-27	33	219	7.78	25980	**18654**	412	718	**181**	**87.8**	**192**	<0.002	0.0622	0.938	8020	12.5	**3530**	<2	0.000757	0.0226	**2.12**	1.23	0.0396	<0.0001
	Sat Col 1 Effluent	VA21B2907-001	2021-06-24	37	265	7.71	25890	**17390**	416	703	**176**	**76.7**	**172**	<0.002	<0.1	1.03	7200	9.67	**3220**	<2	0.000994	<0.05	**1.83**	1.13	0.0378	<0.00025
	Sat Col 1 Effluent	VA21B5156-001	2021-07-22	41	268	7.66	25680	**17904**	433	687	**188**	**75.0**	**172**	<0.002	<0.2	0.862	7270	10.1	**3170**	<2	0.000746	<0.02	**1.82**	1.22	0.0404	<0.0001
	Sat Col 1 Effluent	VA21B7634-001	2021-08-19	45	268	7.72	25840	**17034**	429	647	**186**	**63.7**	**165**	<0.002	<0.125	0.975	6970	<10	**3060**	<4	0.000774	0.0229	**1.63**	1.22	0.0374	<0.0001
Sat Col 2	5% FP Influent	VA20B8229-003	2020-10-15	0	200	7.66	1697	813	74	38.6	10.1	0.0265	**13.5**	0.0158	0.0235	1.34	264	<0.5	145	<0.2	**0.00192**	0.0249	**0.270**	0.0452	0.00245	<0.00001
	5% FP Influent	VA20B8334-003	2020-10-16	1	100																					
	5% FP Influent	VA20C3088-004	2020-12-10	9	200	7.72	1763	788	81	35.8	9.34	0.0596	**15.1**	0.0094	<0.02	1.07	296	<1	148	<0.4	**0.00177**	0.0160	**0.235**	0.0434	0.00192	<0.00001
	5% FP Influent	VA21A2099-004	2021-02-04	17	200	7.82	1741	865	90	34.7	9.99	0.0484	**13.8**	0.0048	0.0203	0.950	287	0.522	148	<0.2	**0.00179**	0.0171	**0.271**	0.0463	0.00216	<0.00001
	5% FP Influent	VA21A7075-004	2021-04-15	27	200	7.81	1625	803	101	36.0	9.70	0.0603	**14.2**	0.0093	0.0244	0.910	297	0.529	151	<0.2	**0.00200**	0.0139	**0.251**	0.0431	0.00217	<0.000005
	Sat Col 2 Effluent	VA20B8229-002	2020-10-15	1	226	6.42	66300	**45476**	334	1810	**21.6**	4.15	**957**	0.0130	<0.2	17.4	9970	36.9	**13400**	2.23	**0.0257**	<0.05	**5.01**	2.32	0.100	<0.00025
	Sat Col 2 Effluent	VA20B8334-002	2020-10-16	1	86																					
	Sat Col 2 Effluent	VA20B9552-002	2020-10-29	3	231	6.72	68400	**45691**	428	1930	**24.5**	4.33	**1020**	0.0133	<0.2	13.5	11000	44.1	**14100**	<2	**0.0187**	<0.05	**3.20**	3.16	0.0936	<0.00025
	Sat Col 2 Effluent	VA20C0659-002	2020-11-12	5	226	7.19	72100	**44620**	633	1830	**22.6**	3.97	**1020**	0.0100	<0.2	10.6	11300	36.0	**13900**	<2	**0.00257**	<0.05	**1.18**	3.52	0.0922	<0.00025
	Sat Col 2 Effluent	VA20C1948-002	2020-11-26	7	237	7.08	62600	**40153**	692	1750	**20.6**	4.02	**850**	<0.002	<0.1	5.89	10000	35.5	**11500**	<2	**0.00214**	<0.05	**1.60**	3.84	0.0746	<0.00025
	Sat Col 2 Effluent	VA20C3088-002	2020-12-10	9	250	7.64	56600	**34299**	737	1310	**16.7**	**73.7**	**634**	0.0046	<0.2	3.47	9430	30.6	**8020**	<2	**0.00297**	<0.05	**3.92**	3.58	0.0606	<0.00025
	Sat Col 2 Effluent	VA20C4070-002	2020-12-23	11	239	7.75	45300	**31338**	688	957	**30.7**	**153**	**435**	0.0071	0.102	3.20	9110	22.9	**8090**	<1	**0.00162**	<0.05	**3.39**	3.76	0.0551	<0.00025
	Sat Col 2 Effluent	VA21A0318-002	2021-01-07	13	253	7.79	35400	**22138**	557	713	**38.3**	**121**	**285**	0.0055	<0.1	3.31	7210	19.7	**5840**	<2	0.000682	<0.1	**2.87**	2.46	0.0505	<0.0005
	Sat Col 2 Effluent	VA21A1187-002	2021-01-21	15	239	7.84	27780	**17675**	414	503	**30.6**	**86.2**	**203**	0.0038	<0.2	3.30	5870	14.6	**4320**	<2	0.000448	<0.05	**2.62**	2.55	0.0459	<0.00025
	Sat Col 2 Effluent	VA21A2099-002	2021-02-04	17	237	7.77	21620	**14108**	355	349	**30.3**	**57.3**	**137**	0.0026	<0.5	3.36	4740	9.90	**3070**	<2	0.000331	0.0207	**2.50**	2.16	0.0436	<0.0001
	Sat Col 2 Effluent	VA21A2988-002	2021-02-18	19	237	7.77	16700	**10177**	305	257	**21.0**	**37.7**	**90.6**	0.0020	<0.1	2.60	3750	6.52	**2230**	<2	0.000234	0.0319	**2.11**	1.75	0.0406	<0.0001
	Sat Col 2 Effluent	VA21A4045-002	2021-03-04	21	232	7.79	12320	**8235**	253	200	**17.3**	**27.0**	**66.4**	0.0023	<0.1	3.24	3420	5.51	**1650**	<1	<0.0001	0.0211	**1.76**	1.45	0.0384	<0.0001
	Sat Col 2 Effluent	VA21A5131-002	2021-03-18	23	238	7.86	10580	**6719**	222	160	**13.7**	**18.5**	**45.5**	0.0297	<0.1	2.85	2970	3.98	**1180**	<1	0.000111	0.0154	**1.59**	1.15	0.0388	<0.00005
	Sat Col 2 Effluent	VA21A6189-002	2021-04-01	25	269	7.72	8620	**5528**	191	115	11.6	12.1	**33.1**	**0.0751**	<0.1	2.16	2760	3.24	**908**	<1	0.000101	0.0181	**1.40**	0.935	0.0347	<0.00005
	Sat Col 2 Effluent	VA21A7075-002	2021-04-15	27	234	7.89	6720	4798	170	87.8	11.5	6.67	**23.9**	**0.0967**	<0.05	1.91	2540	2.13	**668**	<0.4	0.0000700	0.0211	**1.24**	0.726	0.0359	<0.000025
	Sat Col 2 Effluent	VA21A8138-002	2021-04-29	29	255	7.80	6140	4375	139	73.3	10.5	3.08	**19.2**	**0.0642**	<0.04	1.28	2440	1.66	502	<0.4	0.0000616	0.0283	**1.01**	0.626	0.0353	<0.000025
	Sat Col 2 Effluent	VA21A9208-002	2021-05-13	31	236	7.98	5440	3800	129	59.1	10.6	1.10	**15.5**	**0.0557**	<0.01	1.04	2160	1.58	377	<0.4	0.0000392	0.0291	**0.760**	0.561	0.0310	<0.000025
	Sat Col 2 Effluent	VA21B0429-002	2021-05-27	33	221	8.04	4810	3548	107	54.1	10.3	0.392	**13.8**	0.0335	<0.02	1.00	2140	1.09	307	<0.4	<0.000025	0.0264	**0.628**	0.461	0.0294	<0.000025
	Sat Col 2 Effluent	VA21B2907-002	2021-06-24	37	262	8.07	4470	3490	108	47.3	8.98	0.178	**13.2**	0.0217	<0.005	0.178	2160	<1	265	<0.4	<0.000025	0.0268	**0.376**	0.461	0.0310	<0.000025
	Sat Col 2 Effluent	VA21B5156-002	2021-07-22	41	262	7.99	4260	3256	116	43.3	9.51	0.121	**11.5**	0.0194	<0.02	0.321	1980	<1	214	<0.4	<0.000025	0.0233	**0.315**	0.526	0.0322	<0.000025
	Sat Col 2 Effluent	VA21B7634-002	2021-08-19	45	261	7.94	4200	3106	114	38.9	9.18	0.0692	**10.8**	0.0121	<0.005	0.372	1910	<1	191	<0.4	<0.000025	0.0249	**0.287**	0.549	0.0300	<0.000025

Notes:
Arsenic speciation testing completed on select samples include the following inorganic and organic species: arsenite (As-III), arsenite (As-V), arsenobetaine (AsB-As), dimethylarsinic acid (DMA-As), and monomethylarsonic acid (MMA-As).
Grey shading - values greater than the Aquatic Effects Monitoring Program (AEMP) water quality guidelines
Bolded - values 5x greater than the AEMP water quality guidelines
Red - values greater than the Metal and Diamond Mining Effluent Regulations (MDMER) water quality guuideline

Appendix A: Tailings Saturated Columns Results

					AEMP	**-**	**-**	**0.000042**	**0.00078**	**0.005**	**-**	**0.002**	**1.06**	**0.000026**	**-**	**-**	**-**	**0.21**	**0.073**	**-**	**0.025**	**0.01**	**0.00331**	**-**	**-**
					MDMER	**-**	**-**	**-**	**-**	**-**	**-**	**0.1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.25**	**-**	**-**	**-**	**-**
Column ID	**Sample Description**	**Sample No.**	**Collect Date/Time**	**Week Number**	**Leachate Volume**	**D-Bi**	**D-Ca**	**D-Cd**	**D-Co**	**D-Cr**	**D-Cs**	**D-Cu**	**D-Fe**	**D-Hg**	**D-K**	**D-Li**	**D-Mg**	**D-Mn**	**D-Mo**	**D-Na**	**D-Ni**	**D-P**	**D-Pb**	**D-Rb**	**D-S**
					mL	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Sat Col 1	100% FP Influent	VA20B3261-001	2020-08-20	0	200	<0.0001	797	**<0.00024**	**0.695**	<0.002	<0.0001	**2.97**	**12.1**	<0.000005	591	<0.01	4.74	<0.001	**0.849**	6230	<0.001	**<1**	<0.0002	0.296	4130
	100% FP Influent	VA20B8334-004	2020-10-16	1	100																				
	100% FP Influent	VA20C3088-003	2020-12-10	9	200	<0.0001	315	<0.00014	**0.700**	<0.002	<0.0001	**0.231**	**8.20**	<0.000005	528	<0.01	4.68	<0.001	**0.415**	5860	<0.001	**<1**	<0.0002	0.236	4440
	100% FP Influent	VA21A2099-003	2021-02-04	17	200	<0.0001	345	<0.0001	**0.791**	<0.002	<0.0001	0.00648	**9.48**	<0.00005	604	<0.01	5.50	<0.001	0.120	7180	<0.001	**<1**	<0.0002	0.223	5170
	100% FP Influent	VA21A7075-003	2021-04-15	27	200	<0.0001	303	<0.0001	**0.698**	<0.002	<0.0001	**0.0154**	**7.97**	<0.000025	474	<0.01	4.43	<0.001	**0.427**	5600	<0.001	**<1**	<0.0002	0.213	4240
	Sat Col 1 Effluent	VA20B8229-001	2020-10-15	1	217	<0.00025	749	**<0.000705**	**2.94**	<0.005	<0.00025	**5.83**	**8.67**	<0.000005	1990	<0.025	84.6	0.0341	**1.80**	25100	<0.0025	**<2.5**	**0.0228**	0.336	13200
	Sat Col 1 Effluent	VA20B8334-001	2020-10-16	1	88																				
	Sat Col 1 Effluent	VA20B9552-001	2020-10-29	3	238	<0.0005	747	**<0.0011**	**3.22**	<0.01	<0.0005	**7.42**	**7.49**	**<0.005**	1960	<0.05	117	0.113	**2.99**	24500	0.00535	**<5**	**0.0231**	0.363	13100
	Sat Col 1 Effluent	VA20C0659-001	2020-11-12	5	226	<0.0005	703	**<0.00069**	**3.07**	<0.01	<0.0005	**1.80**	2.70	**<0.005**	1770	<0.05	140	0.0332	**3.03**	22600	<0.005	**<5**	**0.0216**	0.291	13300
	Sat Col 1 Effluent	VA20C1948-001	2020-11-26	7	237	<0.00025	700	**<0.00102**	**3.08**	<0.005	<0.00025	**1.10**	2.50	**<0.0025**	1870	<0.025	153	0.0317	**3.32**	22700	0.00421	**<2.5**	0.0133	0.298	14100
	Sat Col 1 Effluent	VA20C3088-001	2020-12-10	9	248	<0.0005	741	**<0.00112**	**2.64**	<0.01	<0.0005	**0.688**	1.94	<0.000005	1640	<0.05	141	0.0360	**2.75**	19800	<0.005	**<5**	0.00864	0.292	10700
	Sat Col 1 Effluent	VA20C4070-001	2020-12-23	11	237	<0.00025	727	**<0.00042**	**2.28**	<0.005	<0.00025	**0.397**	1.91	<0.000005	1580	<0.025	146	0.0425	**3.24**	18900	<0.0025	**<2.5**	0.00553	0.276	12100
	Sat Col 1 Effluent	VA21A0318-001	2021-01-07	13	255	<0.0005	622	**<0.00085**	**1.67**	<0.01	<0.0005	**0.137**	1.46	**<0.005**	1210	<0.05	118	0.0418	**2.32**	13400	<0.005	**<5**	0.00428	0.243	8460
	Sat Col 1 Effluent	VA21A1187-001	2021-01-21	15	239	<0.0005	641	**<0.0005**	**1.34**	<0.01	<0.0005	**0.105**	1.25	<0.00005	1030	<0.05	110	0.0409	**2.01**	11900	<0.005	**<5**	0.00268	0.243	7310
	Sat Col 1 Effluent	VA21A2099-001	2021-02-04	17	239	<0.00025	696	**0.000441**	**1.28**	<0.005	<0.00025	**0.0753**	1.28	<0.00005	990	<0.025	107	0.0391	**2.01**	11200	<0.0025	**<2.5**	0.00174	0.225	7710
	Sat Col 1 Effluent	VA21A2988-001	2021-02-18	19	237	<0.00025	626	**<0.00076**	**0.979**	<0.005	<0.00025	**0.0541**	1.09	**<0.005**	806	<0.025	85.2	0.0350	**1.58**	8680	<0.0025	**<2.5**	0.00145	0.219	5550
	Sat Col 1 Effluent	VA21A4045-001	2021-03-04	21	229	<0.00025	595	**<0.00028**	**0.854**	<0.005	<0.00025	**0.0387**	1.00	**<0.0025**	736	<0.025	74.9	0.0316	**1.39**	7640	<0.0025	**<2.5**	0.00121	0.205	5280
	Sat Col 1 Effluent	VA21A5131-001	2021-03-18	23	233	<0.00025	571	**<0.00172**	**0.796**	<0.005	<0.00025	**0.0313**	0.895	<0.000005	640	<0.025	70.1	0.0301	**1.31**	7450	<0.0025	**<2.5**	0.00106	0.200	4750
	Sat Col 1 Effluent	VA21A6189-001	2021-04-01	25	271	<0.00025	582	**<0.00026**	**0.695**	<0.005	<0.00025	**0.0280**	0.813	<0.00005	612	<0.025	59.5	0.0304	**1.24**	6330	<0.0025	**<2.5**	0.000907	0.196	4240
	Sat Col 1 Effluent	VA21A7075-001	2021-04-15	27	237	<0.0001	556	<0.00021	**0.731**	<0.002	0.000132	**0.0248**	0.802	<0.000005	566	<0.01	54.8	0.0287	**1.13**	6160	<0.001	**<1**	0.000844	0.192	4560
	Sat Col 1 Effluent	VA21A8138-001	2021-04-29	29	259	0.000105	596	<0.0001	**0.784**	<0.002	0.000156	**0.0252**	0.818	<0.000005	544	<0.01	55.1	0.0310	**1.09**	5200	0.00102	**<1**	0.00103	0.202	4090
	Sat Col 1 Effluent	VA21A9208-001	2021-05-13	31	245	<0.0001	561	**<0.00026**	**0.668**	<0.002	0.000166	**0.0200**	0.618	<0.000005	538	<0.01	50.3	0.0284	**0.970**	5860	<0.001	**<1**	0.000894	0.187	4390
	Sat Col 1 Effluent	VA21B0429-001	2021-05-27	33	219	<0.0001	551	**<0.0003**	**0.677**	<0.002	0.000153	**0.0196**	0.601	<0.000005	514	<0.01	47.0	0.0283	**1.00**	6030	<0.001	**<1**	0.000846	0.187	4550
	Sat Col 1 Effluent	VA21B2907-001	2021-06-24	37	265	<0.00025	536	**<0.00025**	**0.692**	<0.005	<0.00025	**0.0182**	0.505	<0.000005	514	<0.025	45.1	0.0327	**0.940**	5940	<0.0025	**<2.5**	0.00119	0.187	4330
	Sat Col 1 Effluent	VA21B5156-001	2021-07-22	41	268	<0.0001	578	**<0.0003**	**0.698**	<0.002	0.000178	**0.0179**	0.479	**<0.00025**	560	<0.01	50.8	0.0372	**0.973**	6370	0.00161	**<1**	0.00121	0.199	4980
	Sat Col 1 Effluent	VA21B7634-001	2021-08-19	45	268	<0.0001	569	0.000159	**0.694**	<0.002	0.000179	**0.0170**	0.368	**<0.001**	513	<0.01	49.2	0.0368	**0.940**	5930	0.00115	**<1**	0.00117	0.189	4490
Sat Col 2	5% FP Influent	VA20B8229-003	2020-10-15	0	200	<0.00001	25.1	<0.000015	**0.0324**	<0.0002	<0.00001	**0.0255**	0.486	<0.000005	28.4	<0.001	0.265	<0.0001	0.0423	338	<0.0001	**<0.1**	<0.00002	0.0161	195
	5% FP Influent	VA20B8334-003	2020-10-16	1	100																				
	5% FP Influent	VA20C3088-004	2020-12-10	9	200	<0.00001	22.4	<0.000015	**0.0326**	<0.0002	<0.00001	**0.0170**	0.310	<0.000005	23.8	<0.001	0.215	0.000301	0.0349	278	<0.0001	**<0.1**	<0.00002	0.0129	195
	5% FP Influent	VA21A2099-004	2021-02-04	17	200	<0.00001	27.6	<0.00001	**0.0356**	<0.0002	<0.00001	0.00411	0.350	<0.00005	32.5	<0.001	0.284	<0.0001	0.0442	358	<0.0001	**<0.1**	<0.00002	0.0152	219
	Sat Col 2 Effluent	VA20B8229-002	2020-10-15	1	226	<0.00025	736	**<0.00078**	**2.48**	<0.005	<0.00025	**1.39**	4.71	<0.000005	1560	<0.025	81.3	0.0423	**1.96**	20200	<0.0025	**<2.5**	0.00975	0.0850	11800
	Sat Col 2 Effluent	VA20B8334-002	2020-10-16	1	86																				
	Sat Col 2 Effluent	VA20B9552-002	2020-10-29	3	231	<0.00025	803	**<0.00125**	**2.51**	<0.005	<0.00025	**8.50**	**5.87**	**<0.005**	1460	<0.025	105	0.230	**2.26**	18500	0.00859	**<2.5**	0.0108	0.144	9540
	Sat Col 2 Effluent	VA20C0659-002	2020-11-12	5	226	<0.00025	769	**<0.00112**	**2.52**	<0.005	<0.00025	**0.487**	**5.92**	**<0.005**	1400	<0.025	133	0.317	**1.45**	17300	0.00766	**<2.5**	0.0128	0.139	10900
	Sat Col 2 Effluent	VA20C1948-002	2020-11-26	7	237	<0.00025	755	**<0.0008**	**2.46**	<0.005	<0.00025	**0.400**	2.85	**<0.0025**	1350	<0.025	140	0.158	**2.19**	16700	0.00767	**<2.5**	0.0130	0.104	10400
	Sat Col 2 Effluent	VA20C3088-002	2020-12-10	9	250	<0.00025	761	**<0.00102**	**2.17**	<0.005	<0.00025	**0.363**	1.91	<0.000005	1260	<0.025	145	0.0378	**2.41**	15100	0.00781	**<2.5**	0.00133	0.111	7970
	Sat Col 2 Effluent	VA20C4070-002	2020-12-23	11	239	<0.00025	762	**<0.00025**	**1.50**	<0.005	<0.00025	**0.0410**	2.03	<0.000005	1050	<0.025	136	0.0221	**2.50**	12600	0.00450	**<2.5**	<0.0005	0.0910	7720
	Sat Col 2 Effluent	VA21A0318-002	2021-01-07	13	253	<0.0005	610	**<0.000545**	**0.982**	<0.01	<0.0005	**0.0428**	2.04	**<0.005**	658	<0.05	112	0.0302	**1.80**	7900	<0.005	**<5**	<0.001	0.0831	4650
	Sat Col 2 Effluent	VA21A1187-002	2021-01-21	15	239	<0.00025	607	**<0.000355**	**0.620**	<0.005	<0.00025	**0.0211**	1.84	<0.000005	560	<0.025	99.0	0.0345	**1.42**	6440	0.00251	**<2.5**	<0.0005	0.0762	3790
	Sat Col 2 Effluent	VA21A2099-002	2021-02-04	17	237	<0.0001	733	0.000182	**0.431**	<0.002	<0.0001	**0.0133**	1.85	<0.00005	485	<0.01	100	0.0363	**1.34**	5210	0.00195	**<1**	0.000256	0.0649	3490
	Sat Col 2 Effluent	VA21A2988-002	2021-02-18	19	237	<0.0001	642	**<0.00051**	**0.271**	<0.002	<0.0001	0.00812	1.51	**<0.001**	346	<0.01	80.1	0.0333	**1.09**	3290	0.00232	**<1**	0.000204	0.0578	2210
	Sat Col 2 Effluent	VA21A4045-002	2021-03-04	21	232	<0.0001	667	<0.00018	**0.174**	<0.002	<0.0001	0.00487	1.27	**<0.0025**	288	<0.01	72.8	0.0301	**0.883**	2280	0.00196	**<1**	<0.0002	0.0509	1810
	Sat Col 2 Effluent	VA21A5131-002	2021-03-18	23	238	<0.00005	641	<0.00019	**0.112**	<0.001	<0.00005	0.00328	1.05	<0.000005	212	<0.005	66.3	0.0288	**0.787**	1750	0.00155	**<0.5**	0.000126	0.0459	1490
	Sat Col 2 Effluent	VA21A6189-002	2021-04-01	25	269	<0.00005	593	<0.00005	**0.0795**	<0.001	<0.00005	0.00276	0.981	<0.000005	169	<0.005	56.7	0.0287	**0.716**	1120	0.00165	**<0.5**	0.000133	0.0440	1200
	Sat Col 2 Effluent	VA21A7075-002	2021-04-15	27	234	<0.000025	548	<0.00014	**0.0510**	<0.0005	0.0000358	0.00171	0.737	<0.000005	152	0.00296	52.4	0.0271	**0.694**	915	0.00152	**<0.25**	0.000106	0.0426	1020
	Sat Col 2 Effluent	VA21A8138-002	2021-04-29	29	255	<0.000025	561	<0.00011	**0.0372**	<0.0005	0.0000486	0.00133	0.580	<0.000005	144	0.00282	56.3	0.0285	**0.661**	754	0.00196	**<0.25**	0.000104	0.0432	1020
	Sat Col 2 Effluent	VA21A9208-002	2021-05-13	31	236	<0.000025	574	<0.00012	**0.0263**	<0.0005	0.0000706	0.000783	0.417	<0.000005	117	0.00310	52.1	0.0276	**0.658**	581	0.00190	**<0.25**	0.000084	0.0387	934
	Sat Col 2 Effluent	VA21B0429-002	2021-05-27	33	221	<0.000025	516	<0.00013	**0.0216**	<0.0005	0.0000832	0.000574	0.331	<0.000005	102	<0.0025	49.3	0.0290	**0.619**	487	0.00226	**<0.25**	0.000060	0.0362	888
	Sat Col 2 Effluent	VA21B2907-002	2021-06-24	37	262	<0.000025	540	<0.000105	**0.0200**	<0.0005	0.000175	0.00105	0.106	<0.000005	97.0	<0.0025	49.2	0.0932	**0.546**	429	0.00378	**<0.25**	<0.00005	0.0314	880
	Sat Col 2 Effluent	VA21B5156-002	2021-07-22	41	262	<0.000025	559	<0.00012	**0.0230**	<0.0005	0.000108	0.000401	0.133	**<0.00025**	89.2	0.00460	51.0	0.102	**0.449**	404	0.00282	**<0.25**	<0.00005	0.0319	897
	Sat Col 2 Effluent	VA21B7634-002	2021-08-19	45	261	<0.000025	568	<0.000055	**0.0236**	<0.0005	0.0000742	0.000287	0.140	<0.00005	76.4	0.00578	46.8	0.108	0.356	344	0.00184	**<0.25**	<0.00005	0.0289	796

Notes:
Arsenic speciation testing completed on select samples include the following inorganic and organic species: arsenite (As-III), arsenite (As-V), arsenobetaine (AsB-As), dimethylarsinic acid (DMA-As), and monomethylarsonic acid (MMA-As).
Grey shading - values greater than the Aquatic Effects Monitoring Program (AEMP) water quality guidelines
Bolded - values 5x greater than the AEMP water quality guidelines
Red - values greater than the Metal and Diamond Mining Effluent Regulations (MDMER) water quality guuideline

Appendix A: Tailings Saturated Columns Results

					AEMP	**0.009**	**0.001**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**	**0.0008**	**0.015**	**0.12**	**-**	**0.0051**	**-**	**-**	**-**	**-**	**-**	**-**
					MDMER	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Column ID	**Sample Description**	**Sample No.**	**Collect Date/Time**	**Week Number**	**Leachate Volume**	**D-Sb**	**D-Se**	**D-Si**	**D-Sn**	**D-Sr**	**D-Te**	**D-Th**	**D-Ti**	**D-Fe(II)**	**D-Tl**	**D-U**	**D-V**	**D-W**	**D-Zn**	**D-Zr**	**As-III**	**As-V**	**AsB-As**	**DMA-As**	**MMA-As**
					mL	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Sat Col 1	100% FP Influent	VA20B3261-001	2020-08-20	0	200	0.0151	**0.0498**	<1	<0.0004	3.53	<0.0004	<0.0001	<0.001		<0.0001	0.000228	0.00204	0.0179	<0.01	<0.0002					
	100% FP Influent	VA20B8334-004	2020-10-16	1	100									2.02							435	4770	<100	<40	<40
	100% FP Influent	VA20C3088-003	2020-12-10	9	200	0.0110	**0.0262**	<1	<0.0004	1.11	<0.0004	<0.0001	<0.001		<0.0001	0.0000772	0.00145	0.0183	<0.01	<0.0002					
	100% FP Influent	VA21A2099-003	2021-02-04	17	200	0.0101	**0.0224**	<1	<0.0004	1.15	<0.0004	<0.0001	<0.001		<0.0001	0.0000774	0.00113	0.0184	<0.01	<0.0002					
	100% FP Influent	VA21A7075-003	2021-04-15	27	200	0.0103	**0.0228**	<1	<0.0004	1.25	<0.0004	<0.0001	<0.001		<0.0001	0.0000843	0.00110	0.0174	<0.01	<0.0002					
	Sat Col 1 Effluent	VA20B8229-001	2020-10-15	1	217	0.0232	**0.152**	4.07	<0.001	3.98	<0.001	<0.00025	<0.0025		<0.00025	0.00864	<0.0025	0.0139	<0.025	<0.0005					
	Sat Col 1 Effluent	VA20B8334-001	2020-10-16	1	88									4.10							298	5910	<100	<40	<40
	Sat Col 1 Effluent	VA20B9552-001	2020-10-29	3	238	0.0404	**0.178**	<5	<0.002	4.73	<0.002	<0.0005	<0.005		<0.0005	0.0120	<0.005	0.00963	**<0.05**	<0.001					
	Sat Col 1 Effluent	VA20C0659-001	2020-11-12	5	226	0.0321	**0.143**	5.68	<0.002	4.51	<0.002	<0.0005	<0.005		<0.0005	0.0165	<0.005	0.00941	**<0.05**	0.00125					
	Sat Col 1 Effluent	VA20C1948-001	2020-11-26	7	237	0.0382	**0.152**	5.00	<0.001	4.34	<0.001	<0.00025	<0.003		<0.00025	0.0202	<0.0025	0.00864	<0.025	0.00116					
	Sat Col 1 Effluent	VA20C3088-001	2020-12-10	9	248	0.0362	**0.110**	<5	<0.002	3.76	<0.002	<0.0005	<0.0054		<0.0005	0.0190	<0.005	0.00799	**<0.05**	0.00123					
	Sat Col 1 Effluent	VA20C4070-001	2020-12-23	11	237	0.0354	**0.0970**	5.23	<0.001	4.16	<0.001	<0.00025	<0.0027		<0.00025	0.0151	<0.0025	0.00781	<0.025	0.000915					
	Sat Col 1 Effluent	VA21A0318-001	2021-01-07	13	255	0.0324	**0.0731**	<5	<0.002	3.35	<0.002	<0.0005	<0.005		<0.0005	0.0134	<0.005	0.00655	**<0.05**	<0.001					
	Sat Col 1 Effluent	VA21A1187-001	2021-01-21	15	239	0.0268	**0.0546**	5.49	<0.002	3.22	<0.002	<0.0005	<0.005		<0.0005	0.0114	<0.005	0.00790	**<0.05**	<0.001					
	Sat Col 1 Effluent	VA21A2099-001	2021-02-04	17	239	0.0254	**0.0461**	5.18	<0.001	3.24	<0.001	<0.00025	<0.0025		<0.00025	0.0103	<0.0025	0.00629	<0.025	<0.0005					
	Sat Col 1 Effluent	VA21A2988-001	2021-02-18	19	237	0.0221	**0.0343**	4.12	<0.001	2.83	<0.001	<0.00025	<0.0025		<0.00025	0.00952	<0.0025	0.00611	<0.025	<0.0005					
	Sat Col 1 Effluent	VA21A4045-001	2021-03-04	21	229	0.0200	**0.0302**	4.40	<0.001	2.87	<0.001	<0.00025	<0.0025		<0.00025	0.00795	<0.0025	0.00532	<0.025	<0.0005					
	Sat Col 1 Effluent	VA21A5131-001	2021-03-18	23	233	0.0202	**0.0226**	4.36	<0.001	2.98	<0.001	<0.00025	<0.0025		<0.00025	0.00736	<0.0025	0.00506	<0.025	<0.0005					
	Sat Col 1 Effluent	VA21A6189-001	2021-04-01	25	271	0.0198	**0.0218**	4.09	<0.001	2.81	<0.001	<0.00025	<0.0025		<0.00025	0.00681	<0.0025	0.00544	<0.025	<0.0005					
	Sat Col 1 Effluent	VA21A7075-001	2021-04-15	27	237	0.0179	**0.0202**	4.47	<0.0004	2.68	<0.0004	<0.0001	<0.001		<0.0001	0.00615	<0.001	0.00474	<0.01	<0.0002					
	Sat Col 1 Effluent	VA21A8138-001	2021-04-29	29	259	0.0183	**0.0197**	4.00	<0.0004	2.78	<0.0004	<0.0001	<0.001		<0.0001	0.00665	<0.001	0.00490	<0.01	<0.0002					
	Sat Col 1 Effluent	VA21A9208-001	2021-05-13	31	245	0.0173	**0.0255**	4.53	<0.0004	2.76	<0.0004	<0.0001	<0.0012		<0.0001	0.00561	<0.001	0.00443	<0.01	<0.0002					
	Sat Col 1 Effluent	VA21B0429-001	2021-05-27	33	219	0.0179	**0.0216**	4.78	<0.0004	2.71	<0.0004	<0.0001	<0.001		<0.0001	0.00520	<0.001	0.00454	<0.01	<0.0002					
	Sat Col 1 Effluent	VA21B2907-001	2021-06-24	37	265	0.0165	**0.0208**	4.63	<0.001	2.71	<0.001	<0.00025	<0.0025		<0.00025	0.00524	<0.0025	0.00380	<0.025	<0.0005					
	Sat Col 1 Effluent	VA21B5156-001	2021-07-22	41	268	0.0165	**0.0204**	5.05	<0.0004	2.82	<0.0004	<0.0001	<0.001		<0.0001	0.00485	<0.001	0.00348	<0.01	<0.0002					
	Sat Col 1 Effluent	VA21B7634-001	2021-08-19	45	268	0.0146	**0.0177**	4.99	<0.0004	2.62	<0.0004	<0.0001	<0.001		<0.0001	0.00451	<0.001	0.00298	<0.01	<0.0002					
Sat Col 2	5% FP Influent	VA20B8229-003	2020-10-15	0	200	0.000670	0.00107	<0.1	<0.00004	0.110	<0.00004	<0.00001	<0.0001		<0.00001	0.0000105	<0.0001	0.000922	<0.001	<0.00002					
	5% FP Influent	VA20B8334-003	2020-10-16	1	100									0.214							15.9	246	<2.5	<1	<1
	5% FP Influent	VA20C3088-004	2020-12-10	9	200	0.000622	0.00120	<0.1	<0.00004	0.0880	<0.00004	<0.00001	0.000139		<0.00001	0.0000069	<0.0001	0.000830	0.00221	<0.00002					
	5% FP Influent	VA21A2099-004	2021-02-04	17	200	0.000702	0.00226	<0.1	<0.00004	0.113	<0.00004	<0.00001	<0.0001		<0.00001	0.0000092	<0.0001	0.000873	<0.001	<0.00002					
	5% FP Influent	VA21A7075-004	2021-04-15	27	200	0.000690	0.00229	<0.05	<0.00002	0.0995	<0.00002	<0.000005	0.000232		<0.000005	0.0000082	0.000078	0.000855	<0.0005	<0.00001					
	Sat Col 2 Effluent	VA20B8229-002	2020-10-15	1	226	0.0232	**0.168**	4.13	<0.001	3.57	<0.001	<0.00025	<0.0025		<0.00025	0.00528	<0.0025	0.00917	<0.025	<0.0005					
	Sat Col 2 Effluent	VA20B8334-002	2020-10-16	1	86									1.34							159	4330	<100	<40	<40
	Sat Col 2 Effluent	VA20B9552-002	2020-10-29	3	231	0.0295	**0.136**	4.67	<0.001	4.21	<0.001	<0.00025	<0.0025		<0.00025	0.00787	<0.0025	0.00685	<0.025	<0.0005					
	Sat Col 2 Effluent	VA20C0659-002	2020-11-12	5	226	0.0165	**0.140**	6.83	<0.001	4.41	<0.001	<0.00025	<0.0025		<0.00025	0.0107	<0.0025	0.00546	<0.025	<0.0005					
	Sat Col 2 Effluent	VA20C1948-002	2020-11-26	7	237	0.0238	**0.133**	6.64	<0.001	4.40	<0.001	<0.00025	<0.0025		<0.00025	0.0123	<0.0025	0.00524	<0.025	<0.0005					
	Sat Col 2 Effluent	VA20C3088-002	2020-12-10	9	250	0.0281	**0.101**	4.48	<0.001	3.87	<0.001	<0.00025	<0.00445		<0.00025	0.0127	<0.0025	0.00608	<0.025	<0.0005					
	Sat Col 2 Effluent	VA20C4070-002	2020-12-23	11	239	0.0253	**0.0829**	5.13	<0.001	4.24	<0.001	<0.00025	<0.0025		<0.00025	0.0101	<0.0025	0.00592	<0.025	<0.0005					
	Sat Col 2 Effluent	VA21A0318-002	2021-01-07	13	253	0.0232	**0.0615**	<5	<0.002	3.42	<0.002	<0.0005	<0.005		<0.0005	0.00940	<0.005	0.00457	**<0.05**	<0.001					
	Sat Col 2 Effluent	VA21A1187-002	2021-01-21	15	239	0.0184	**0.0404**	5.08	<0.001	3.14	<0.001	<0.00025	<0.0025		<0.00025	0.00753	<0.0025	0.00467	<0.025	<0.0005					
	Sat Col 2 Effluent	VA21A2099-002	2021-02-04	17	237	0.0174	**0.0337**	5.95	<0.0004	3.22	<0.0004	<0.0001	<0.001		<0.0001	0.00625	<0.001	0.00392	<0.01	<0.0002					
	Sat Col 2 Effluent	VA21A2988-002	2021-02-18	19	237	0.0144	**0.0221**	5.55	<0.0004	2.63	0.000418	<0.0001	<0.0013		<0.0001	0.00536	<0.001	0.00347	<0.01	<0.0002					
	Sat Col 2 Effluent	VA21A4045-002	2021-03-04	21	232	0.0129	**0.0162**	5.24	<0.0004	2.70	<0.0004	<0.0001	<0.001		<0.0001	0.00431	<0.001	0.00286	<0.01	<0.0002					
	Sat Col 2 Effluent	VA21A5131-002	2021-03-18	23	238	0.0124	**0.0135**	5.40	<0.0002	2.58	<0.0002	<0.00005	<0.0005		<0.00005	0.00332	<0.0005	0.00245	<0.005	<0.0001					
	Sat Col 2 Effluent	VA21A6189-002	2021-04-01	25	269	0.0112	**0.0108**	5.07	<0.0002	2.36	<0.0002	<0.00005	<0.0005		<0.00005	0.00319	<0.0005	0.00261	<0.005	<0.0001					
	Sat Col 2 Effluent	VA21A7075-002	2021-04-15	27	234	0.00963	**0.00860**	5.14	<0.0001	2.16	<0.0001	<0.000025	<0.00055		<0.000025	0.00244	<0.00025	0.00231	<0.0025	<0.00005					
	Sat Col 2 Effluent	VA21A8138-002	2021-04-29	29	255	0.00984	**0.00672**	4.86	<0.0001	2.06	0.000145	<0.000025	<0.00045		<0.000025	0.00196	<0.00025	0.00227	<0.0025	<0.00005					
	Sat Col 2 Effluent	VA21A9208-002	2021-05-13	31	236	0.00868	**0.00713**	4.70	<0.0001	2.22	<0.0001	<0.000025	<0.0008		<0.000025	0.00128	<0.00025	0.00232	<0.0025	<0.00005					
	Sat Col 2 Effluent	VA21B0429-002	2021-05-27	33	221	0.00771	**0.00544**	4.34	<0.0001	2.05	<0.0001	<0.000025	<0.00035		<0.000025	0.000839	<0.00025	0.00262	<0.0025	<0.00005					
	Sat Col 2 Effluent	VA21B2907-002	2021-06-24	37	262	0.00589	**0.0135**	5.08	<0.0001	2.13	0.000110	<0.000025	<0.00055		<0.000025	0.000308	<0.00025	0.00208	<0.0025	<0.00005					
	Sat Col 2 Effluent	VA21B5156-002	2021-07-22	41	262	0.00468	**0.00822**	5.31	<0.0001	2.39	0.000216	<0.000025	<0.0004		<0.000025	0.000338	<0.00025	0.00116	<0.0025	<0.00005					
	Sat Col 2 Effluent	VA21B7634-002	2021-08-19	45	261	0.00359	**0.00582**	4.82	<0.0001	2.31	0.000136	<0.000025	<0.00035		<0.000025	0.000348	<0.00025	0.000827	<0.0025	<0.00005					

Notes:

Arsenic speciation testing completed on select samples include the following inorganic and organic species: arsenite (As-III), arsenite (As-V), arsenobetaine (AsB-As), dimethylarsinic acid (DMA-As), and monomethylarsonic acid (MMA-As).

Grey shading - values greater than the Aquatic Effects Monitoring Program (AEMP) water quality guidelines

Bolded - values 5x greater than the AEMP water quality guidelines

Red - values greater than the Metal and Diamond Mining Effluent Regulations (MDMER) water quality guuideline

Appendix B: Paste Tailings Humidity Cell Results

AGNICO EAGLE

Appendix B: Paste Tailings Humidity Cell Results

				AEMP	**-**	**-**	**1000**	**-**	**-**	**-**	**-**	**-**	**-**	**2.68**	**2.93**	**0.06**	**120**	**0.12**	**-**	**0.1**	**0.009**	**0.025**	**1**	**-**	**-**	**1.5**	**0.000042**	**-**
				MDMER	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**37**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.1**	**-**	**-**	**-**	**-**	**-**	**-**
Sample ID	**Date**	**Week No.**	**Input Volume**	**Output Volume**	**pH**	**Cond.**	**TDS (Calc.)**	**Acidity (pH 4.5)**	**Acidity (pH 8.3)**	**Total Alkalinity**	**Sulphate**	**T-CN**	**CN-WAD**	**Ammonia**	**Nitrate**	**Nitrite**	**Chloride**	**Fluoride**	**Hardness as $CaCO_3$**	**Al**	**Sb**	**As**	**Ba**	**Be**	**Bi**	**B**	**Cd**	**Ca**
			mL	**mL**	**-**	**µS/cm**	**mg/L**	**mg$CaCO_3$/L**	**mg$CaCO_3$/L**	**mg$CaCO_3$/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L-N**	**mg/L-N**	**mg/L-N**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
T1 (Effluent)	11-Feb-21	0	750	515	9.49	47625	**34891**	N.A.	N.A.	60.0	2782	8.03	<0.1	8.1	2.23	**<3**	**17000**	0.13	7570	<0.01	<0.009	**0.971**	0.207	<0.00007	0.00016	0.22	**0.00025**	1990
	18-Feb-21	1	500	440	8.49	88691	**76964**	N.A.	N.A.	38.1	2944	4.20	<0.01	7.0	5.90	**<3**	**39000**	0.11	14400	0.12	<0.009	**1.51**	0.462	<0.00007	0.00030	0.50	0.00020	3850
	25-Feb-21	2	500	450	8.05	100052	**72989**	N.A.	4.5	28.1	2942	3.50	<0.01	7.2	<6	**<3**	**30000**	0.39	16000	0.04	0.017	**1.53**	0.455	<0.00007	0.0017	0.56	0.00021	3880
	04-Mar-21	3	500	485	7.47	89002	**86455**	N.A.	13.0	27.9	3052	2.84	0.03	6.4	7.92	**<3**	**45000**	0.11	13700	0.02	0.019	**1.63**	0.398	<0.00007	0.00099	0.46	0.00017	3270
	11-Mar-21	4	500	415	7.21	95424		N.A.																				
	18-Mar-21	5	500	485	7.41	88204	**77119**	N.A.	17.3	32.3	3404	1.42	0.01	4.7	5.13	**<3**	**39000**	0.29	14600	0.01	0.024	**2.03**	0.327	<0.00007	0.00016	0.66	0.00012	3000
	25-Mar-21	6	500	460	7.28	82640		N.A.																				
	01-Apr-21	7	500	465	7.53	74949	**74367**	N.A.	12.7	41.9	3602	1.17	0.02	3.9	<1.5	**<3**	**37000**	0.28	15200	<0.01	0.019	**2.32**	0.269	<0.00007	0.00018	0.98	**0.00030**	2560
	08-Apr-21	8	500	455	7.57	79949		N.A.																				
	15-Apr-21	9	500	460	7.94	80831	**76664**	N.A.	4.7	42.2	3787	0.61	<0.01	3.5	<0.6	**<3**	**39000**	0.28	15200	0.023	0.0240	**2.79**	0.275	<0.000007	0.000400	0.902	0.000120	2470
	22-Apr-21	10	500	445	7.42	82406		N.A.																				
	29-Apr-21	11	500	385	7.54	87302	**77478**	N.A.	13.9	42.9	3881	1.79	0.01	3.5	<1.5	**<3**	**37000**	0.28	16900	0.02	0.020	**2.76**	0.272	<0.00007	0.0008	1.20	**0.00024**	2780
	06-May-21	12	500	450	7.61	82439		N.A.																				
	13-May-21	13	500	450	7.61	85585	**74089**	N.A.	12.6	40.1	4223	1.03	0.03	3.6	<1.5	**<3**	**36000**	0.26	16200	0.013	0.0191	**2.80**	0.250	0.000010	0.00038	0.831	**0.000300**	2560
	20-May-21	14	500	435	8.25	81496		N.A.																				
	27-May-21	15	500	470	7.86	82025	**84457**	N.A.	9.9	53.8	4051	1.17	0.05	3.5	<1.5	**<3**	**39000**	0.24	18600	0.029	0.0280	**3.23**	0.266	0.0010	0.00020	1.47	**0.00060**	2772
	03-Jun-21	16	500	450	7.87	78511		N.A.																				
	10-Jun-21	17	500	445	7.82	76745	**71503**	N.A.	16.5	61.1	3548	0.56	0.02	4.2	2.45	**<3**	**36000**	0.19	14600	0.010	0.0112	**1.97**	0.193	0.000110	0.00034	1.12	**0.000300**	2330
	17-Jun-21	18	500	450	7.54	78759		N.A.																				
	24-Jun-21	19	500	480	7.54	77609	**73348**	N.A.	23.1	56.4	4571	0.58	0.02	4.0	<1.5	**<3**	**38000**	0.21	14400	0.06	0.011	**2.04**	0.170	<0.00007	<0.0001	1.24	**0.000490**	2360
	01-Jul-21	20	500	450	7.66	73030		N.A.																				
	08-Jul-21	21	500	460	7.40	74655	**65373**	N.A.	20.7	56.8	3276	0.13	0.02	4.0	<0.6	**<3**	**35000**	0.17	12700	<0.01	<0.009	**1.19**	0.137	<0.00007	0.0001	1.53	**0.00038**	1790
	15-Jul-21	22	500	435	7.65	90798		N.A.																				
	22-Jul-21	23	500	450	7.65	86510	**76194**	N.A.	21.1	58.6	4088	0.47	0.02	4.0	<6	**<3**	**38000**	0.21	15300	<0.1	**<0.09**	**2.90**	0.194	<0.0007	<0.001	1.6	**0.0005**	2040
	29-Jul-21	24	500	445	7.70	81126		N.A.																				
	05-Aug-21	25	500	415	7.68	97619	**74208**	N.A.	20.6	64.1	4957	0.78	0.03	3.8	**<15**	**<7.5**	**36000**	0.21	15100	<0.01	0.016	**2.88**	0.216	<0.00007	<0.0001	1.44	**0.00090**	1970
	12-Aug-21	26	500	495	7.65	80315		N.A.																				
	19-Aug-21	27	500	460	7.70	90806	**78364**	N.A.	21.0	63.5	3176	0.45	0.02	3.6	<0.6	**<3**	**43000**	0.23	13900	<0.01	0.0148	**2.98**	0.183	<0.00007	0.00040	1.08	**0.000366**	1850
Connate Water (Influent)	11-Feb-21	0	-	-	8.32	94528	**83944**	N.A.	N.A.	47.5	3945	<0.01	<0.01	6.9	<6	**<3**	**43000**	<0.06	15700	0.02	<0.009	0.006	0.227	<0.00007	0.00060	1.14	**0.0018**	2680
	01-Apr-21	7	-	-	7.51	70266	**69918**	N.A.	14.7	57.9	3247	<0.01	<0.01	4.3	<1.5	**<3**	**35000**	0.11	13700	0.01	<0.009	0.007	0.0943	<0.00007	0.00007	1.18	**0.00062**	1970
	27-May-21	15	-	-	7.95	72907	**72457**	N.A.	10.4	58.7	3065	<0.01	<0.01	4.2	<1.5	**<3**	**34000**	0.11	15600	0.044	0.0041	0.0175	0.109	0.0005	0.00080	1.47	**0.00120**	2258
	22-Jul-21	23	-	-	7.65	75642	**65372**	N.A.	18.8	56.3	3470	<0.01	<0.01	4.7	<6	**<3**	**33000**	0.11	12800	<0.1	**<0.09**	<0.02	0.085	<0.0007	<0.001	1.4	**0.0008**	1670

Appendix B: Paste Tailings Humidity Cell Results

				AEMP	**0.005**	**0.00078**	**0.002**	**1.06**	**0.00331**	**-**	**-**	**0.21**	**0.000026**	**0.073**	**0.025**	**0.01**	**-**	**0.001**	**-**	**0.00025**	**-**	**2.5**	**-**	**0.0008**	**-**	**-**	**0.015**	**0.12**	**0.0051**	**-**
				MDMER	**-**	**-**	**0.1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.25**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Sample ID	**Date**	**Week No.**	**Input Volume**	**Output Volume**	**Cr**	**Co**	**Cu**	**Fe**	**Pb**	**Li**	**Mg**	**Mn**	**Hg**	**Mo**	**Ni**	**P**	**K**	**Se**	**Si**	**Ag**	**Na**	**Sr**	**S**	**Tl**	**Sn**	**Ti**	**U**	**V**	**Zn**	**Zr**
			mL	**mL**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**ug/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
T1 (Effluent)	11-Feb-21	0	750	515	0.0220	**0.0206**	0.005	4.00	<0.0001	0.0872	632	<0.0001	**<0.01**	0.263	0.002	<0.03	511	0.0031	3.04	**0.0069**	7160	**21.5**	1380	0.00007	0.0092	0.0018	0.00003	0.0241	<0.02	<0.02
	18-Feb-21	1	500	440	**0.0290**	**0.0080**	0.009	2.18	0.0011	0.176	1160	0.0222	**<0.01**	0.190	0.005	<0.03	831	0.0042	2.8	**0.0027**	17700	**49.6**	1310	0.00024	0.0091	0.0021	0.00019	0.0208	**0.20**	<0.02
	25-Feb-21	2	500	450	**0.0535**	0.0036	0.006	1.47	0.0004	0.234	1530	0.0373	**0.01**	0.158	0.002	0.03	858	0.0050	3.1	<0.0005	20700	**56.7**	1200	0.00019	0.0079	<0.0005	0.00020	0.0256	<0.02	<0.02
	04-Mar-21	3	500	485	0.0045	0.0031	0.003	1.06	0.0004	0.240	1331	0.0391	**<0.01**	0.123	0.002	<0.03	732	0.0024	3.2	<0.0005	22400	**53.8**	1120	0.00018	0.0099	<0.0005	0.00022	0.0074	<0.02	<0.02
	11-Mar-21	4	500	415																										
	18-Mar-21	5	500	485	0.0052	0.0022	0.003	1.12	0.0009	0.230	1730	0.0663	**<0.01**	0.0932	0.003	0.03	671	0.0026	5.9	<0.0005	18100	**46.6**	1290	0.00019	0.0116	<0.0005	0.00053	0.0060	<0.02	<0.02
	25-Mar-21	6	500	460																										
	01-Apr-21	7	500	465	0.0053	0.00175	0.003	1.01	0.0003	0.277	2140	0.0583	**<0.01**	0.0611	0.008	<0.03	551	0.0035	6.26	<0.0005	16900	**43.8**	1470	0.00035	0.0134	0.0007	0.00076	0.0058	<0.02	<0.02
	08-Apr-21	8	500	455																										
	15-Apr-21	9	500	460	0.0236	0.000720	0.0004	0.970	0.00056	0.257	2190	0.0594	**<0.01**	0.0435	0.0042	0.050	590	0.00313	7.53	0.00074	17200	**51.3**	1530	0.000270	0.0155	<0.00005	0.00139	0.0118	<0.002	<0.002
	22-Apr-21	10	500	445																										
	29-Apr-21	11	500	385	0.0041	0.00209	0.003	0.92	<0.0009	0.355	2415	0.0897	**<0.01**	0.0452	0.004	**0.06**	668	0.0032	8.58	0.0009	17700	**52.6**	1780	0.00015	0.0153	<0.0005	0.00112	0.0048	<0.02	<0.02
	06-May-21	12	500	450																										
	13-May-21	13	500	450	0.00328	0.00211	**0.0234**	0.680	0.00067	0.234	2381	0.0811	**<0.01**	0.0483	0.0039	<0.003	633	0.00284	6.20	**0.00436**	16300	**52.4**	1480	0.000220	0.0150	0.00013	0.000990	0.00455	0.006	<0.002
	20-May-21	14	500	435																										
	27-May-21	15	500	470	0.00560	0.00370	0.0013	1.70	0.00140	0.306	2840	0.128	**<0.01**	0.02950	<0.0001	<0.003	726	0.00490	6.22	**0.0206**	20500	**59.3**	1680	0.00050	0.0143	<0.00005	0.001500	0.00580	**0.079**	<0.002
	03-Jun-21	16	500	450																										
	10-Jun-21	17	500	445	0.0181	0.00251	0.0052	0.370	0.00045	0.221	2130	0.283	**<0.01**	0.0189	0.0052	**0.220**	605	0.00288	5.97	**0.00245**	15818	**53.3**	1540	0.000160	0.00797	0.00020	0.00137	0.00843	<0.002	<0.002
	17-Jun-21	18	500	450																										
	24-Jun-21	19	500	480	0.0069	0.00249	0.007	0.43	<0.0009	0.300	2070	0.218	**<0.01**	0.0203	0.004	<0.03	600	**0.0133**	6.62	**0.0017**	15900	**46.5**	1440	0.00012	0.0091	<0.0005	0.00119	0.0046	<0.02	<0.02
	01-Jul-21	20	500	450																										
	08-Jul-21	21	500	460	0.0009	0.00172	0.004	0.13	<0.0009	0.315	2010	0.326	**<0.1**	0.0136	0.004	<0.03	456	0.0010	3.6	**0.0027**	13400	**41.0**	1150	<0.00005	0.00516	<0.0005	0.00073	0.0017	<0.02	<0.02
	15-Jul-21	22	500	435																										
	22-Jul-21	23	500	450	<0.008	0.0026	**<0.02**	<0.7	<0.009	0.33	2470	0.109	**<0.01**	0.022	<0.01	**<0.3**	560	<0.004	7	**<0.005**	17800	**53.3**	1500	<0.0005	0.016	<0.005	0.0017	0.00380	**<0.2**	<0.2
	29-Jul-21	24	500	445																										
	05-Aug-21	25	500	415	0.0024	0.00230	0.002	0.30	0.0016	0.300	2470	0.129	**<0.01**	0.0262	0.003	<0.03	535	0.0024	6.9	**0.0021**	18100	**51.7**	1260	0.00040	0.0154	<0.0005	0.00240	0.0036	<0.02	<0.02
	12-Aug-21	26	500	495																										
	19-Aug-21	27	500	460	0.00145	0.00220	0.0036	0.540	<0.0009	0.195	2260	0.106	**<0.01**	0.0150	0.0045	**0.342**	435	0.00198	7.79	**0.00133**	16900	**43.9**	1140	0.000180	0.0239	<0.0005	0.002130	0.00301	<0.02	<0.02
Connate Water (Influent)	11-Feb-21	0	-	-	**0.0345**	0.00006	0.003	<0.07	0.0002	0.315	2200	0.422	**<0.01**	0.0335	0.003	<0.03	741	0.0015	1.54	<0.0005	19600	**65.1**	1460	0.00005	0.0058	<0.0005	0.00016	0.0133	**0.04**	<0.02
	01-Apr-21	7	-	-	0.0032	0.00063	<0.002	<0.07	0.0001	0.263	2130	0.520	**<0.01**	0.0088	<0.001	<0.03	499	<0.0004	1.48	**0.0025**	16600	**42.6**	1300	<0.00005	0.0007	<0.0005	0.00021	0.0011	<0.02	<0.02
	27-May-21	15	-	-	0.00240	0.00250	0.0014	0.300	0.00060	0.267	2430	0.634	**<0.01**	0.00990	<0.0001	<0.003	650	0.00340	1.11	**0.0118**	17500	**51.4**	1400	0.00020	<0.00006	<0.00005	0.000700	0.00280	**0.170**	<0.002
	22-Jul-21	23	-	-	<0.008	0.0011	**<0.02**	<0.7	<0.009	0.30	2090	0.516	**<0.01**	0.007	<0.01	**<0.3**	488	<0.004	<2	**<0.005**	15300	**46.4**	1230	<0.0005	<0.006	<0.005	0.0002	<0.001	**<0.2**	<0.2

APPENDIX C3: SOURCE TERM UPDATE WITH WQM VALIDATION

TECHNICAL MEMORANDUM

To:	**Jenyfer Mosquera and Colleen Prather (Agnico Eagle Mines Ltd.)**	**Date: January 13, 2023**
From:	**John Dockrey (Lorax Environmental Services Ltd.)**	**Project #: A667-2**
Subject:	**Meliadine Extension Source Term Update for Water Balance and Water Quality Model**	

1. Introduction

Agnico Eagle Mines Limited (Agnico Eagle) operates the Meliadine Mine, located 25 km north of Rankin Inlet in the Kivalliq region of Nunavut. The Project Certificate issued in 2015 included approval of a multi-phase approach to development, including mining of the Tiriganiaq deposit using open pit and underground mining methods and mining of the Pump, F Zone, Discovery and Wesmeg deposits using open pit methods. Meliadine Extension proposes to extend the life of the mine from 2032 to 2043 and the addition of underground mining activities at the already approved Wesmeg, Pump, F Zone, and Discovery deposits. Meliadine Extension includes the development of six gold deposits located within the previously approved footprint (F Zone, Pump, Wesmeg, Wesmeg North, Tiriganiaq-Wolf and Discovery) and associated infrastructure.

Lorax Environmental Services Ltd. (Lorax) was retained by Agnico Eagle to update the site-wide water balance and water quality model (WBWQM) and associated source terms to represent the annual progression of the Meliadine Extension mine layout, in support of the Water Licence Amendment process with the Nunavut Water Board. This model iteration builds upon the WBWQM developed for the 2022 FEIS application (Base Case) using the GoldSim modelling platform (Lorax, 2022a and 2022b), with certain modifications to incorporate additional information and refinements to the mine plan. The WBWQM updates are described in Lorax (2023).

The purpose of this memo is to describe source term updates incorporated into the Lorax (2023) WBWQM iteration. The source term approach and updates are described in Section 2 and 3, respectively. The source terms are validated against site water quality monitoring data in Section 4. Finally, Section 5 provides a summary of the source term inputs used in the Lorax (2023) WBWQM.

2. Approach and Information Sources

Geochemical source terms predict drainage chemistry from mine facilities and disturbed areas associated with mining operations. Individual source terms are developed for: seven open pit WRSFs, four saline WRSFs, seven ore stockpiles, seven underground mines, pit wall rock

exposures from 18 mine pits, the TSF, disturbed areas and mine facility areas. Source terms are developed on an annual time step and are entered into the water quality model as concentrations.

The source terms developed for the 2022 FEIS Application described in the *Geochemical Characterization and Source Term Report* (Lorax, 2022b) are updated to reflect changes to the mine plan and incorporate additional information where available. In general, these updates are driven by changes in the water balance, mine facility layout, and additional kinetic testing data which are documented in the following reports:

- Water balance update for Generic WRSFs and Discovery WRSF (OKC, 2022a)
- Thermal modelling update for Discovery WRSF (OKC, 2022b)
- Discovery open pit additional WRSF (Tetra Tech, 2023)
- Groundwater dewatering rate and TDS modified from (Golder, 2022)
- Kinetic testing program final results (OKC, 2022c; Lorax, 2022c)

These updates do not change the overall source term approach described in Lorax, (2022b), which rely in large part on calibration of source term predictions to site monitoring data.

3. Source Term Updates

In this section updates to source terms originally developed for the 2022 FEIS Addendum in Lorax (2022a) are described.

The WRSF source terms were updated to incorporate thermal and water balance modelling completed after the 2022 FEIS Addendum submission (OKC, 2022a; 2022b). These updates have implications for the post-closure WRSF source terms, when RCP4.5 climate forcings lead to climatic deviations from the historic record. These updates do not impact Operations WRSF source terms which are calibrated to site monitoring data. The WRSF source term calculations were updated as follows:

- Water balance modelling shows that contact water (interflow + runoff) will increase from 59 mm at the end of mine life (2043) to 84 mm at the end of the modelling period (2120) for generic WRSFs, and from 52 mm to 97 mm for the Discovery WRSF. This results in an 41% increase in contact water from the generic WRSF, and an 88% increase in contact water from the Discovery WRSF.
- Thermal modelling results for Discovery WRSF show that the active zone thickness will remain within the 6 m thermal cover constructed with NPAG mine rock for the duration of the model period. For instance, the annual duration that the active zone is not frozen will increase from 4.7 months to 5.1 months on average. This will be accompanied by an increase in the average temperature from 6.6ºC to 7.5ºC during summer months within the

active zone. Overall, the geochemical loads from waste rock in the active zone are expected to increase by 36% over the model period as a result of changes in the Discovery WRSF thermal profile. Note that this is similar to generic WRSFs where geochemical loads are expected to increase by 27% in post-closure, which was incorporated into Lorax (2022b) source terms and is not updated herein.

- The combined influence of increasing precipitation and increasing temperature generated in the RCP4.5 climate scenario will result in WRSF source term concentrations decreasing by 0.13% and 0.36% per year for Discovery WRSF and Generic WRSFs, respectively. The decline in concentrations is a result of WRSF contact water volume outpacing the increases in geochemical loading rates driven by a warming thermal profile.

Underground mine source terms were modified to incorporate the hydrogeology results presented in Golder (2022). This resulted in the following updates:

- Salinity of underground mine waters were updated which impacts TDS as well as parameters calculated using a correlation to TDS observed in Tiriganiaq Underground monitoring data. These parameters included SO_4, Ca, Mg, K, Na, Ba, ^{226}Ra and Cl.
- Loading based source terms for As, Se, Mo, NO_3, NO_2 and NH_3 were updated to incorporate changes in groundwater flow rates.

The WRSF and TSF source terms in Lorax (2022b) incorporated interim results from the Meliadine Extension kinetic testing program. These inputs were updated with final kinetic testing program results as follows:

- The closure TSF infiltration source term relies on TSF column results. This source term was updated to incorporate the final TSF column results which were ran for 52 cycles.
- The solubility constraint for Co was set to the 90th percentile column results for GB and VO rock types. This calculation only incorporated the first 17 cycles of column data in Lorax (2022b). Incorporating the entire dataset (38 cycles) results in the solubility cap changing from 0.0009 to 0.0008 for GB, and 0.00043 to 0.0003 mg/L for VO.

No updates beyond what is explicitly outlined herein have been made the 2022 FEIS Application source terms (Lorax, 2022b).

4. Validation of Predicted Water Quality

In this section, source terms are validated against site monitoring data from 2019 to 2022 to confirm that source terms can conservatively reproduce observed operational water quality. This exercise uses the WBWQM developed for the 2021 Annual Report (Agnico Eagle, 2022) which incorporates the current site layout with discretized catchment areas (Figure 4-1, Figure 4-2 and Figure 4-3), site pumping records, and the Lorax (2022b) source terms.

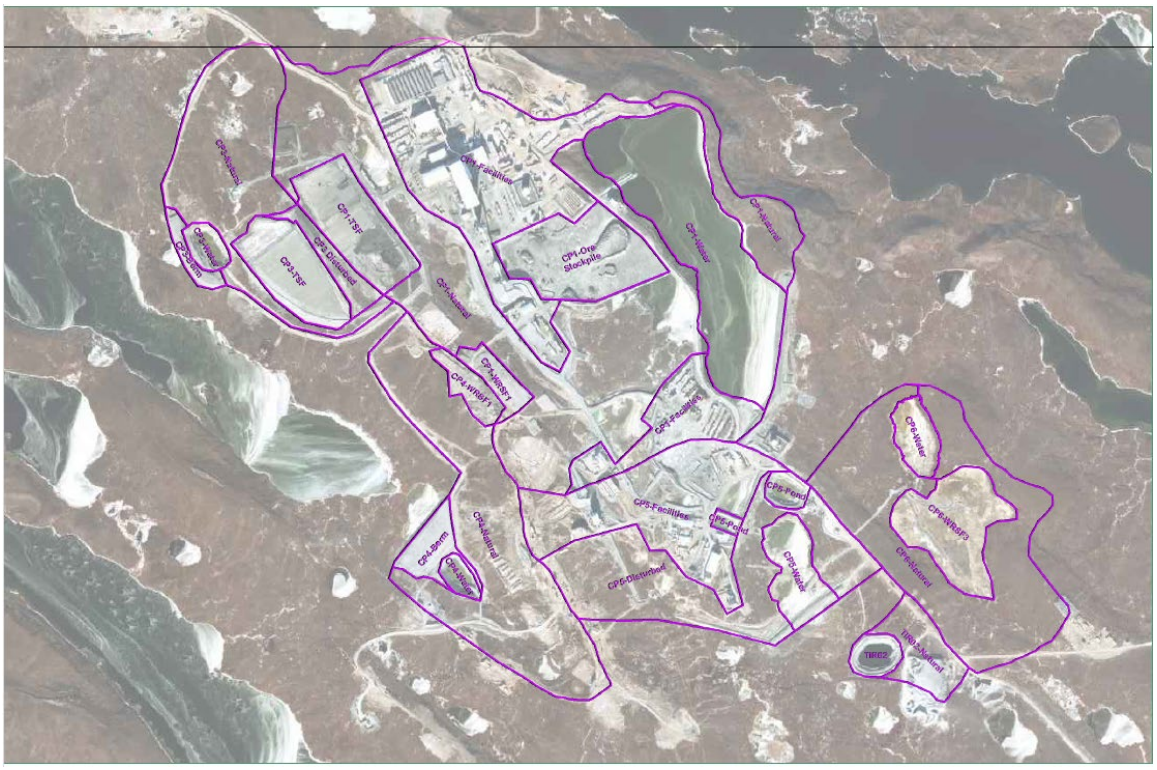

Figure 4-1: Meliadine Mine site layout and catchment delineation for 2019 based on aerial photo from October 2019.

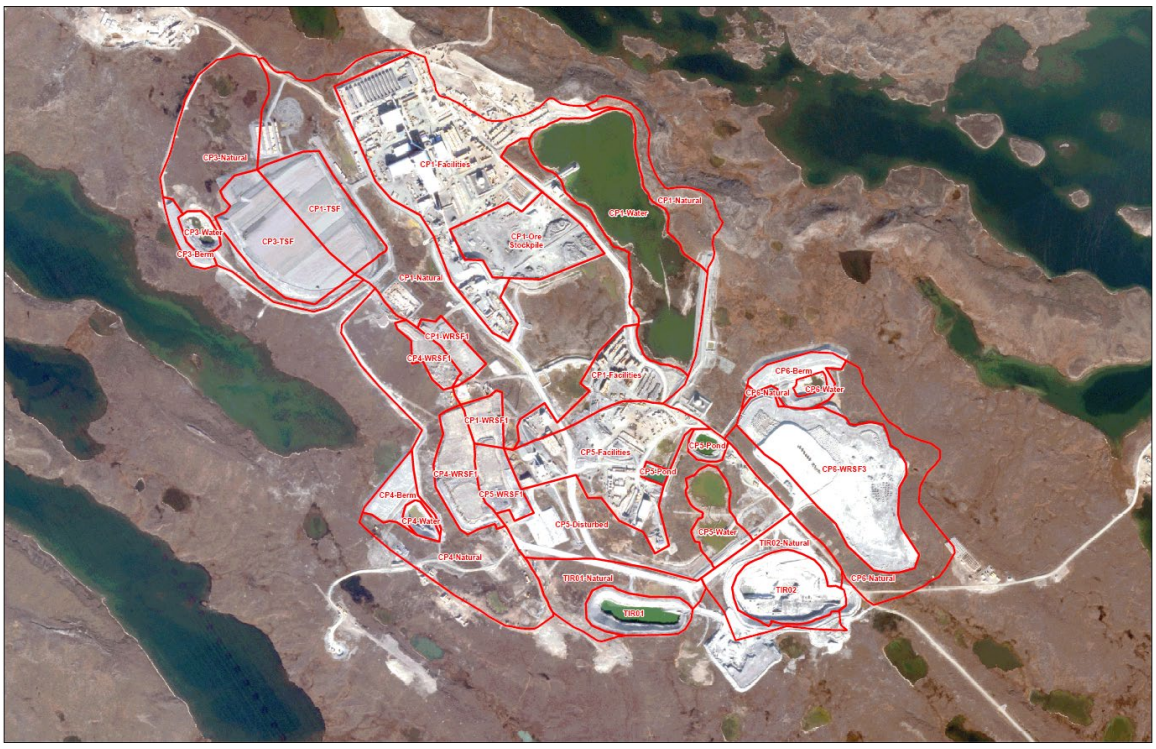

Figure 4-2: Meliadine Mine site layout and catchment delineation for 2020 based on aerial photo from September 2020.

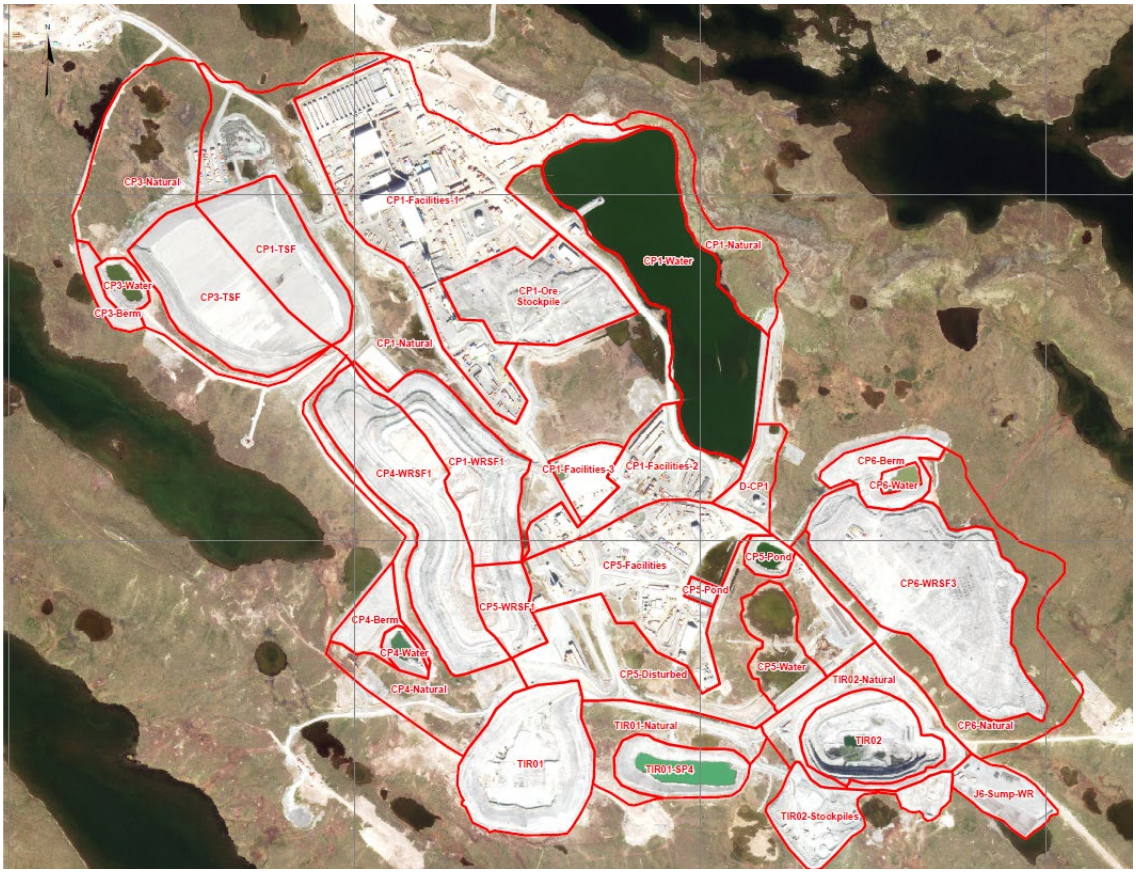

Figure 4-3: Meliadine Mine site layout and catchment delineation based on aerial photo from July 2021.

This WBWQM is constructed in GoldSim and designed to predict water quality at the following collection nodes:

- CP1 collection pond is the final collection point prior to discharge to Meliadine Lake via treatment at the effluent water treatment pond (EWTP). This collection pond receives drainage from the mine facilities area, ore stockpiles, TSF, WRSF1 and WRSF3.
- Channel 1 is a constructed ditch that drains much of the mining area, including the TSF, a portion of WRSF1, the plant site area and ore pads, into CP1.
- CP4 collection pond receives drainage from WRSF1 and the surrounding disturbed areas.
- CP3 collection pond receives drainage from the TSF and the surrounding disturbed areas.
- CP6 collection pond receives drainage from WRSF3 and the surrounding disturbed areas

Tiriganiaq Underground source term is validated outside of the WBWQM, as sump monitoring data can directly be compared to source term predictions (Appendix A).

The results for Channel 1 and CP1 represent composite drainage chemistry from mine surface facilities. Validation results for these model nodes are provided in Figure 4-4 and Figure 4-5, respectively, while complete validation results for all model nodes are provided in Appendix A.

Overall, the validation model shows that calibrated source terms conservatively predict water quality at CP1, particularly for arsenic (As), Ammonia (NH_3), copper (Cu), selenium (Se) and nickel (Ni). The observed concentrations of these elements are significantly overestimated by the validation model in most months. Results for NH_3 are initially underestimated in 2019 shortly after model initiation but are then overestimated from 2020 onwards. Validation of this parameter in CP1 is complicated by attenuation processes impacting NH_3 such as oxidation and biological uptake which are not incorporated in the model. A number of T-CN values are underestimated in 2019-2021, which could be impacted by model initialization the elevated T-CN method detection limit during this time period. Lower T-CN detection limits starting in 2022 show better validation and Channel 1 data shows the range of T-CN concentrations is captured at this upstream monitoring point which is closer to the point source (TSF) of T-CN loading (Figure 4-5).

The validation results for Channel 1 generally reflect the range of observed concentrations (Figure 4-5). The validation model overestimates observed SO_4 in the spring, indicating that the model overestimates runoff concentrations during the freshet, which may be a relic of applying annual average source term concentrations. The range of trace metal concentrations are generally conservatively captured, with the exception of a series of anomalously high Ni concentrations in 2019. The validation model conservatively estimates most Ni concentrations at Channel 1 in 2021 (Figure 4-5), and significantly overestimated Ni in CP1 (Figure 4-4), providing confidence that this parameter is conservatively captured.

Overall, the validation exercise shows that the calibrated water balance and source terms are able to conservatively reproduce most observed concentrations in site monitoring data.

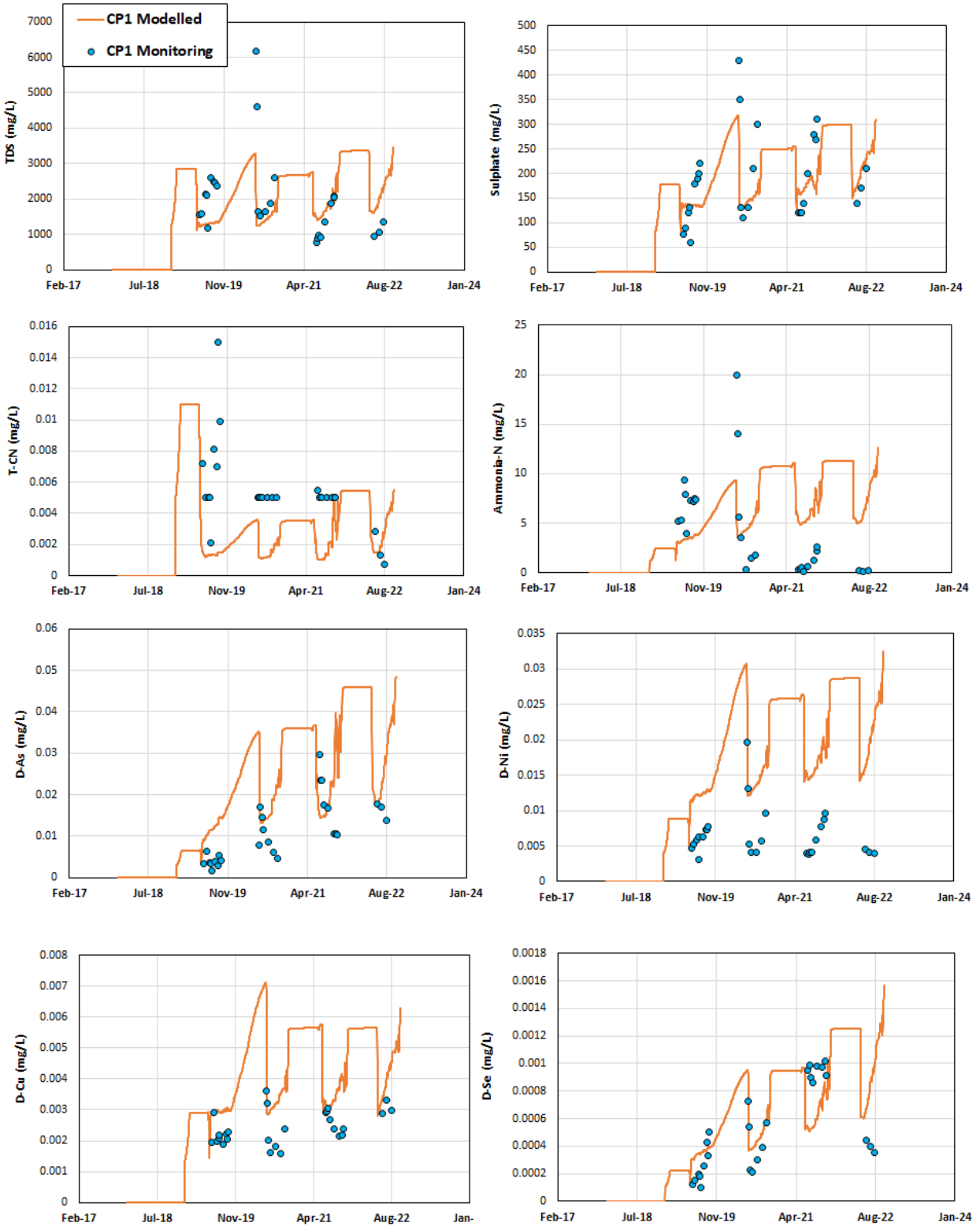

Figure 4-4: Validation results for CP1.

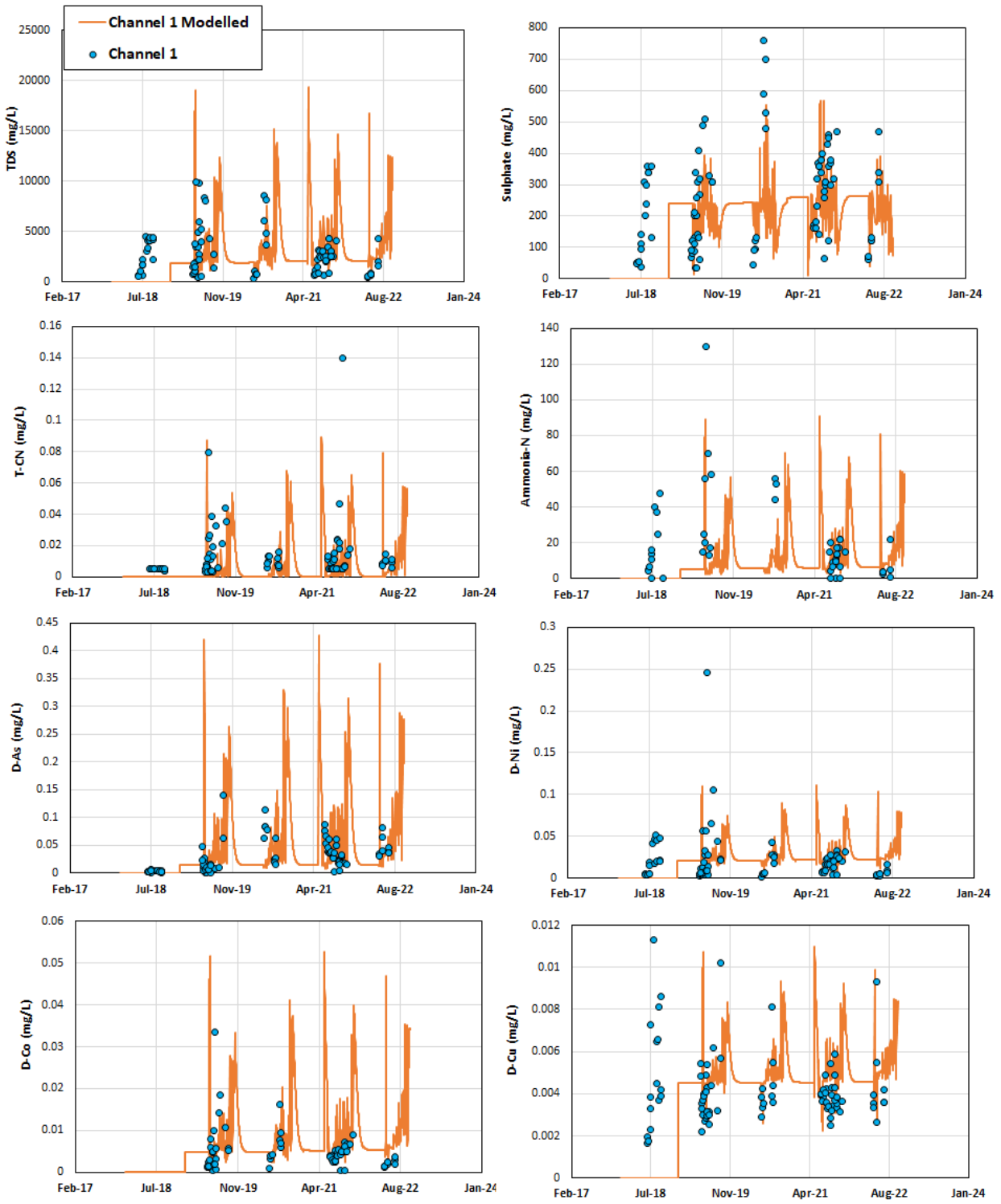

Figure 4-5: Validation results for Channel 1. Channel 1 monitoring data plotted in this figure includes sampling of upstream culverts 'Culvert 2 and Culvert 3' as well as the Channel 2 tributary.

5. Source Term Results

Source terms are developed on an annual time step for each mine component. The temporal trends for TDS and As are illustrated for WRSFs, the TSF, Open Pits, and underground mines in Figure 5-1, Figure 5-2, Figure 5-3 and Figure 5-4, respectively. The complete set of source term parameters are provided in Appendix B.

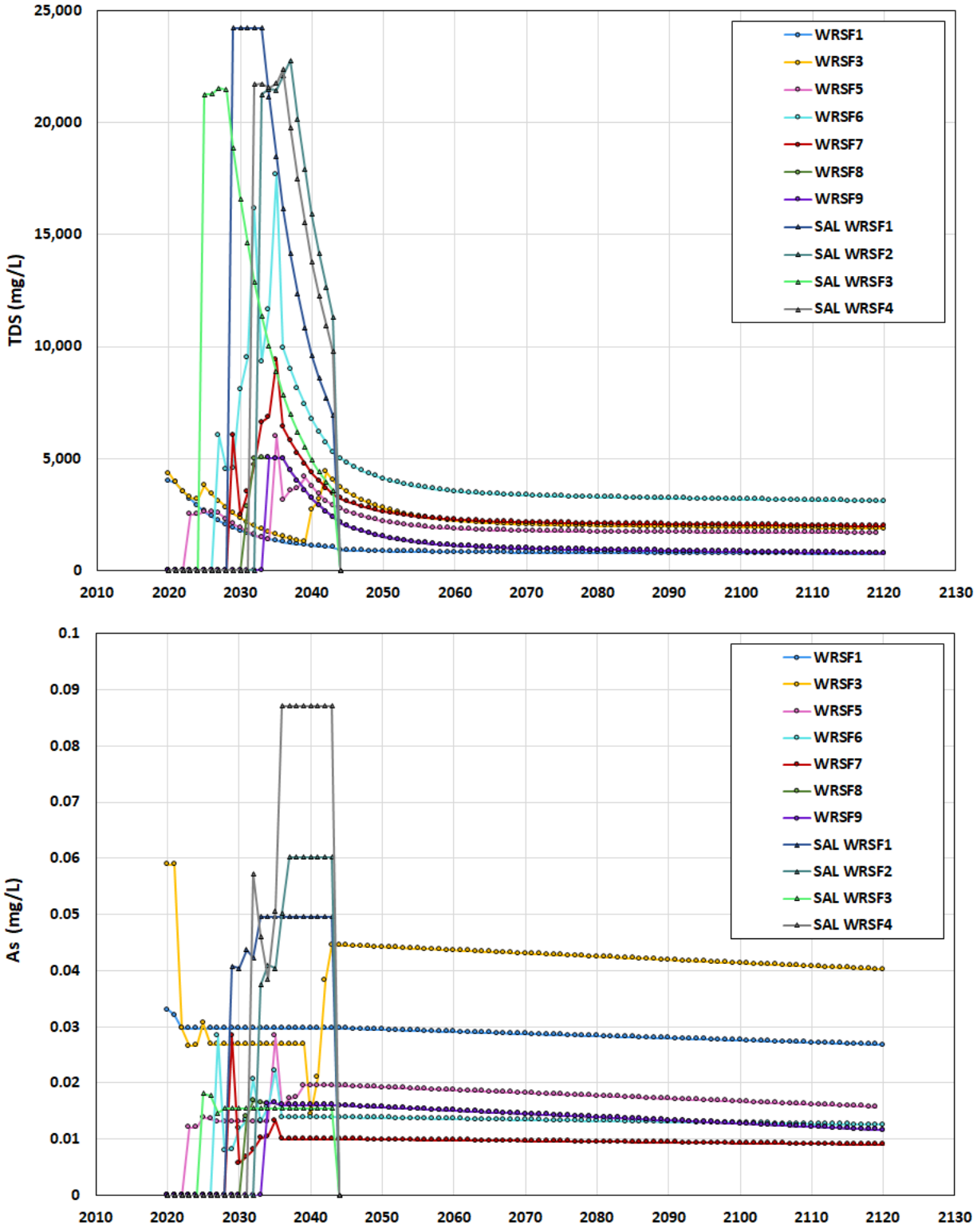

Figure 5-1: Waste rock storage facility annual source term for TDS (top) and As (bottom).

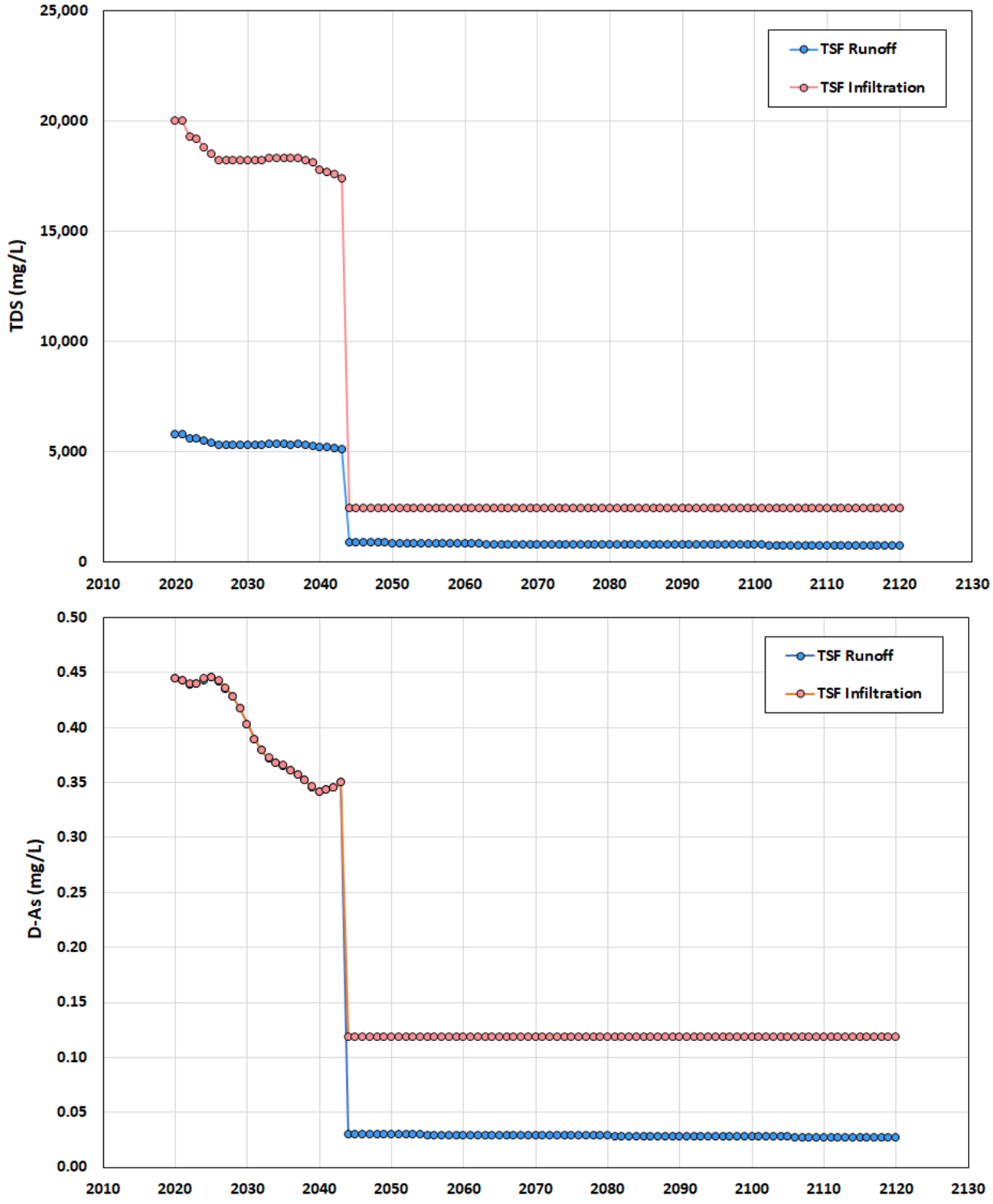

Figure 5-2: Tailings storage facility annual source terms for TDS (top) and As (bottom).

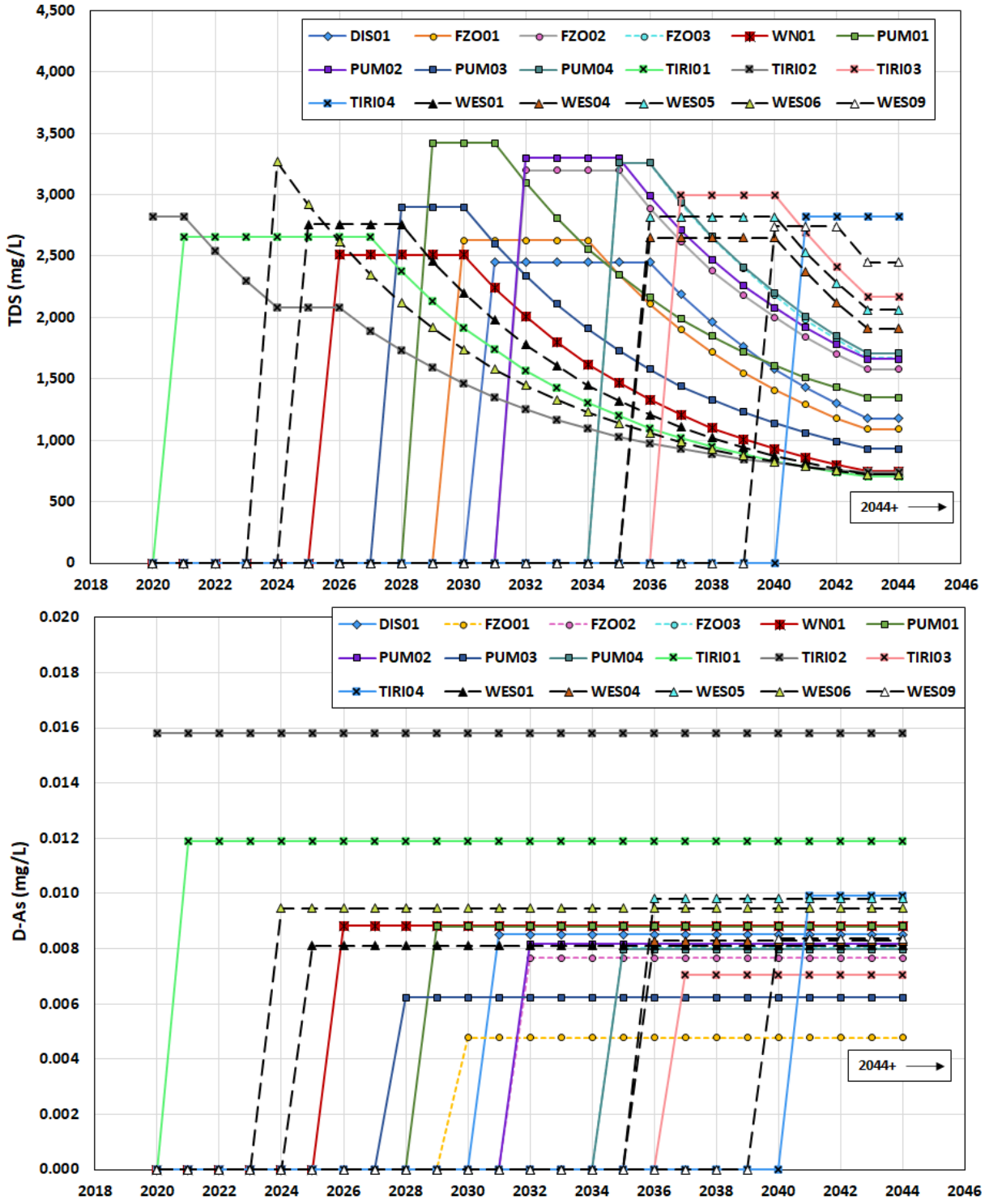

Figure 5-3: Pit wall annual source terms for TDS (top) and As (bottom).

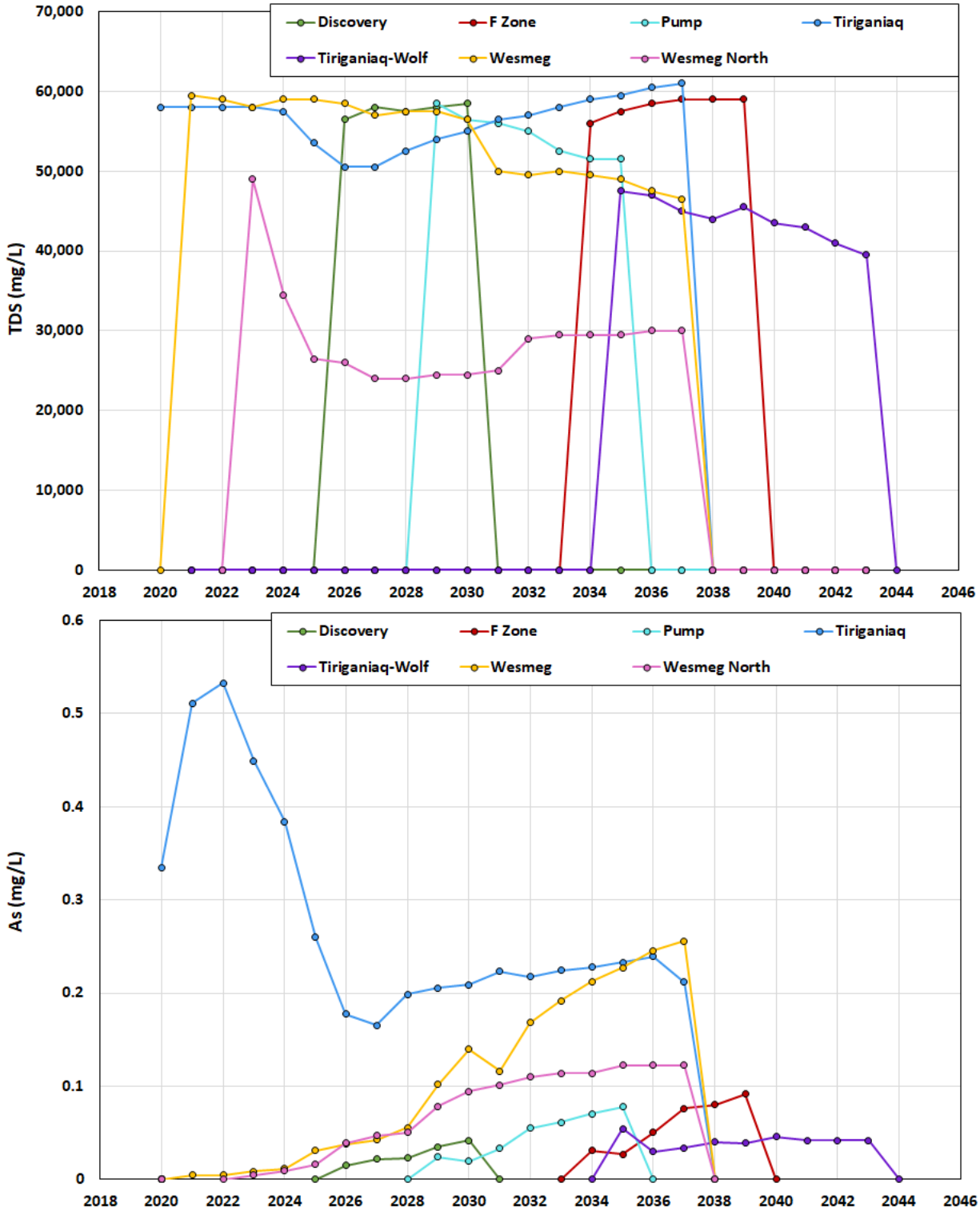

Figure 5-4: Underground mine source terms for TDS (top) and As (bottom).

6. Closure

We trust that this memo meets your expectations. Please contact the undersigned with any questions or comments.

Respectfully,
Lorax Environmental Services Ltd.

Prepared by:

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Jan 12, 2022

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Reviewed by:

David Flather, M.Sc.
Principal

PERMIT TO PRACTICE
LORAX ENVIRONMENTAL SERVICES LTD.
Signature
Date January 12, 2022
PERMIT NUMBER: P 1487
NT/NU Association of Professional Engineers and Geoscientists

References

Agnico Eagle (2022). Meliadine Gold Mine - 2021 Annual Report. Prepared for Nunavut Water Board by Agnico Eagle Mines Ltd., April 2022.

Lorax Environmental Services Ltd. (2022a). Appendix H-07 Meliadine Extension Application - Meliadine Extension Water Balance and Water Quality Model. Prepared by Lorax Environmental Services Ltd. for Agnico Eagle Mines Ltd. February 2022. 1471 pp.

Lorax Environmental Services Ltd. (2022b). Appendix G-06 of Meliadine Extension Application - Geochemical Characterization and Source Term Report. Prepared for Agnico Eagle Mines Ltd., by Lorax Environmental Services, April 2022.

Lorax Environmental Services Ltd. (2022c). Meliadine Extension Tailings Kinetic Testing Results. Prepared for Agnico Eagle Mines Ltd., by Lorax Environmental Services, October 2022.

Lorax Environmental Services Ltd. (2023). Meliadine Extension Water Balance and Water Quality Model Update. Prepared by Lorax Environmental Services Ltd. for Agnico Eagle Mines Ltd. January 2023.

Okane Consultants Inc. (2022a). Water Balance Modelling of Meliadine WRSFs. 948-229-002 Rev0. Prepared for Agnico Eagle Mines Ltd. by Okane Consultants Inc. November, 2022.

Okane Consultants Inc. (2022b). Thermal Modelling of Meliadine Discovery WRSFs. 948-229-001 Rev1. Prepared for Agnico Eagle Mines Ltd. by Okane Consultants Inc. December, 2022.

Okane Consultants Inc. (2022c). Meliadine ACLC Kinetic Testing Summary Memorandum. 948-021-013 Rev4. Prepared for Agnico Eagle Mines Ltd. by Okane Consultants Inc. September, 2022.

Tetra Tech. (2023). Prefeasibility Level Design of Waste Rock Storage Facilities, Meliadine Extension Project, Nunavut. ENG.EARC0.193-04. January 2023.

WSP Golder. (2022). Updated Hydrogeology Modelling Meliadine Extension. 22513890-941-R RevB. Prepared for Agnico Eagle Mines Ltd. By Golder Associates Ltd. July, 2022.

Appendix A: Water Quality Calibration Results

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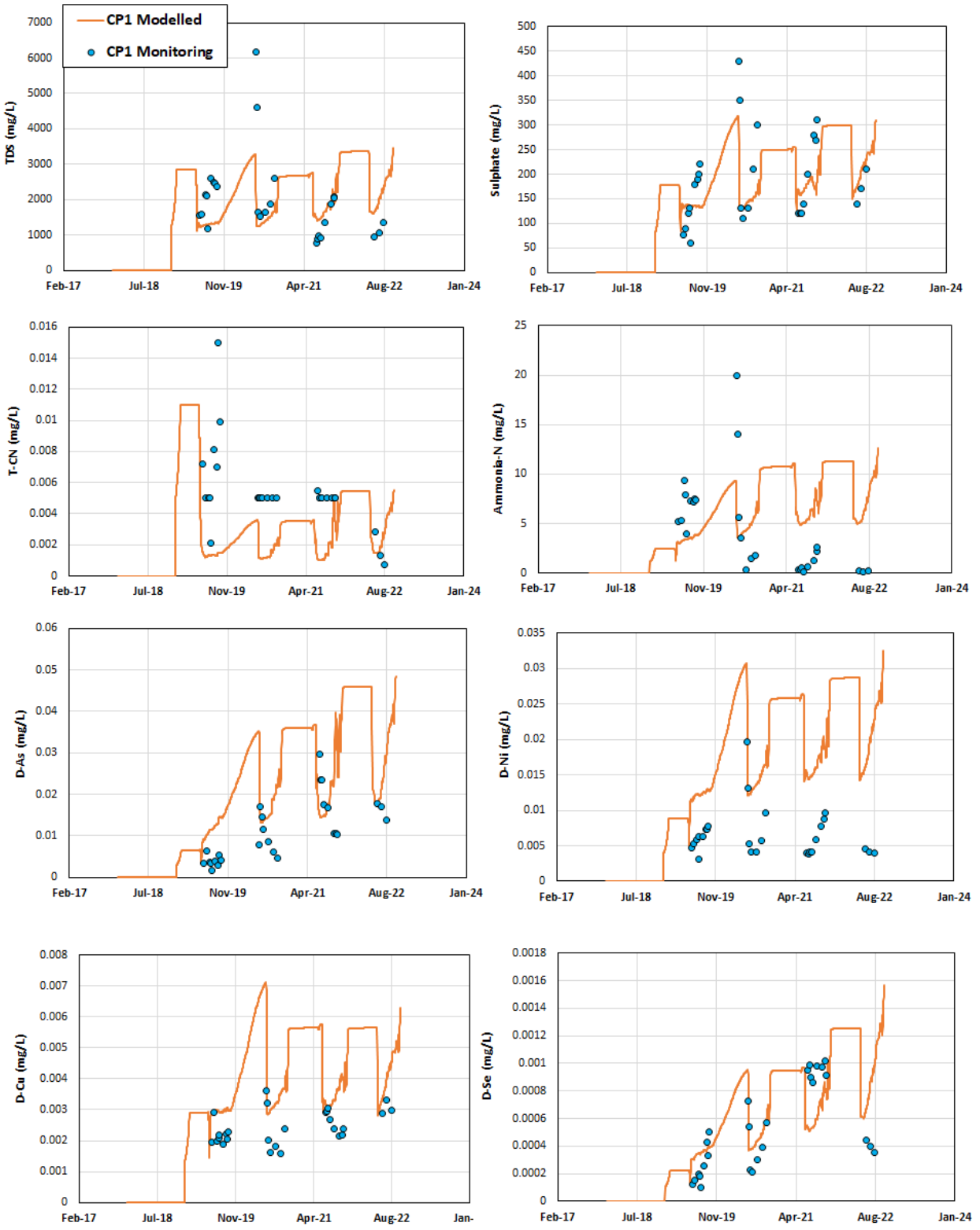

Figure 1: Validation of calibrated GoldSim model predictions at CP1.

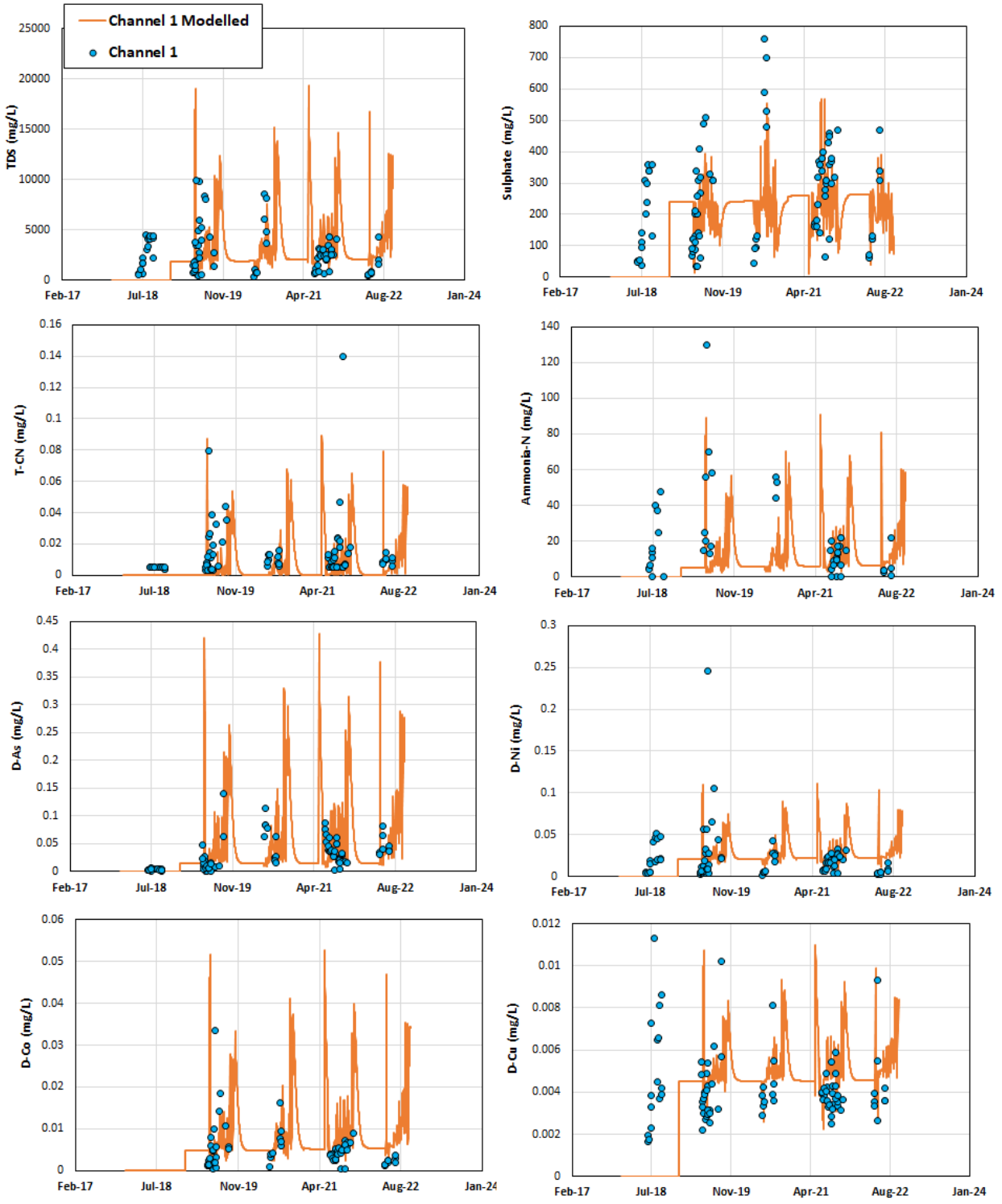

Figure 2: Validation of calibrated GoldSim model predictions at Channel 1. Channel 1 monitoring data plotted in this figure includes sampling of upstream culverts 'Culvert 2 and Culvert 3' as well as the Channel 2 tributary.

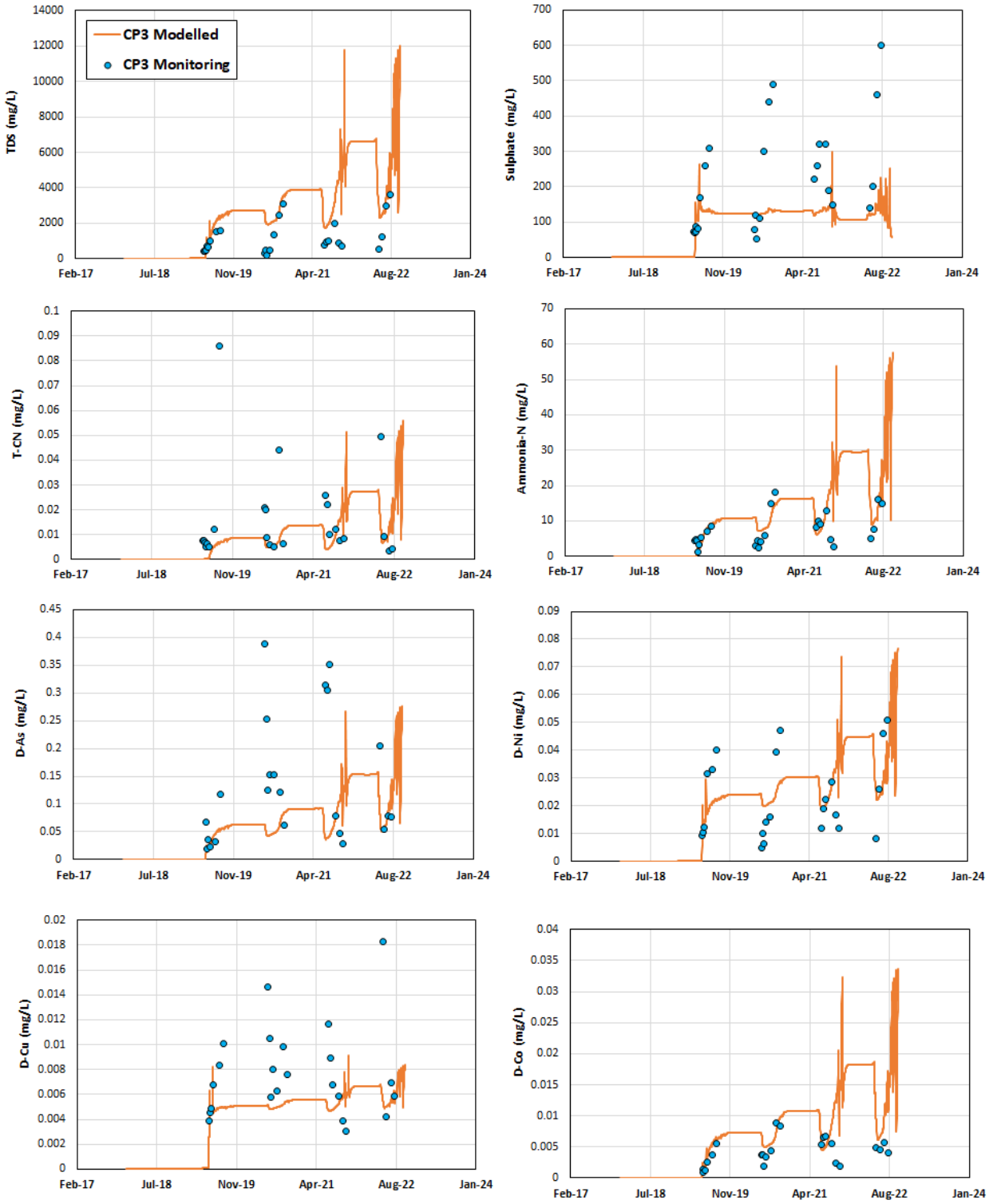

Figure 3: Validation of calibrated GoldSim model predictions for CP3.

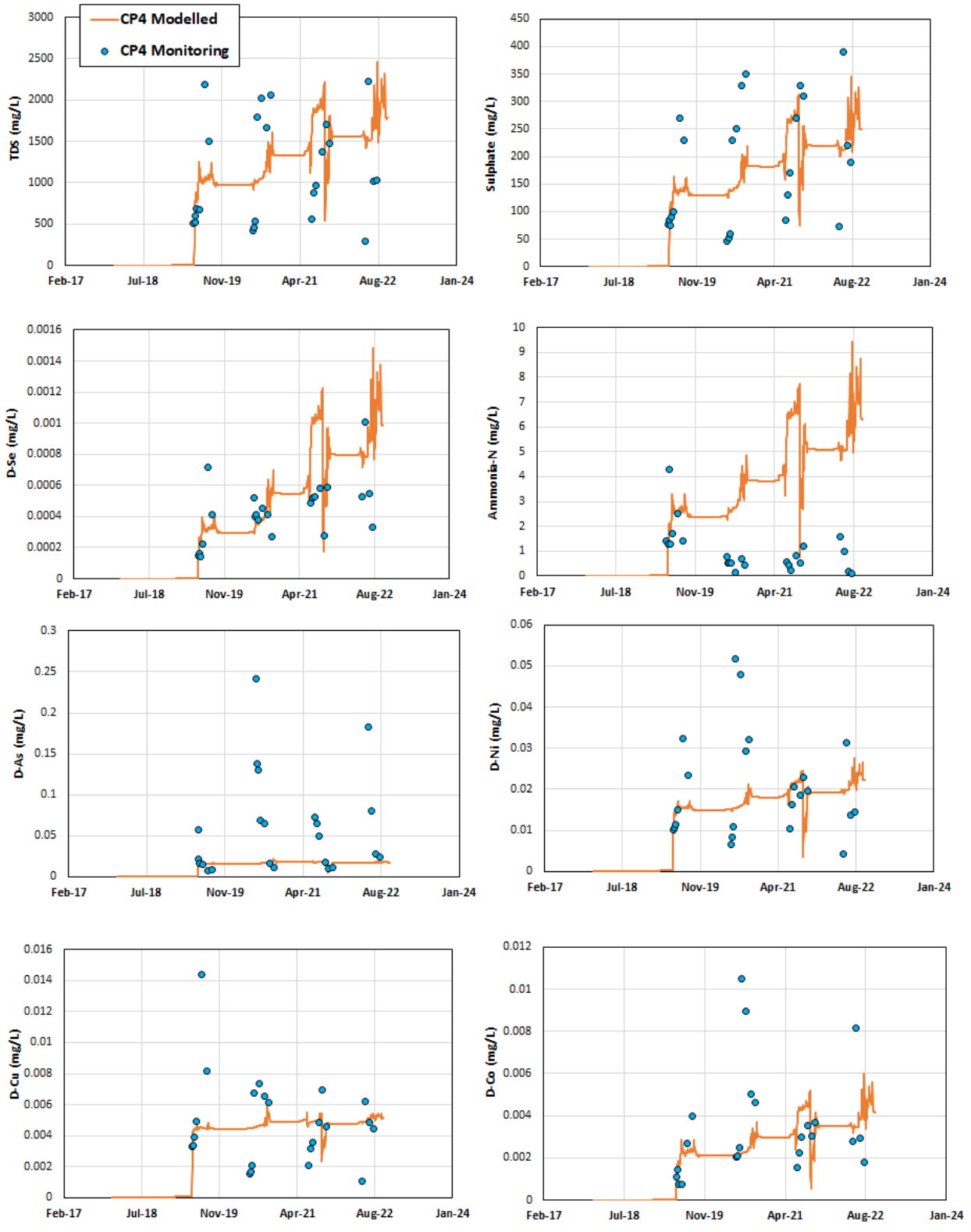

Figure 4: Validation of calibrated GoldSim model predictions for CP4.

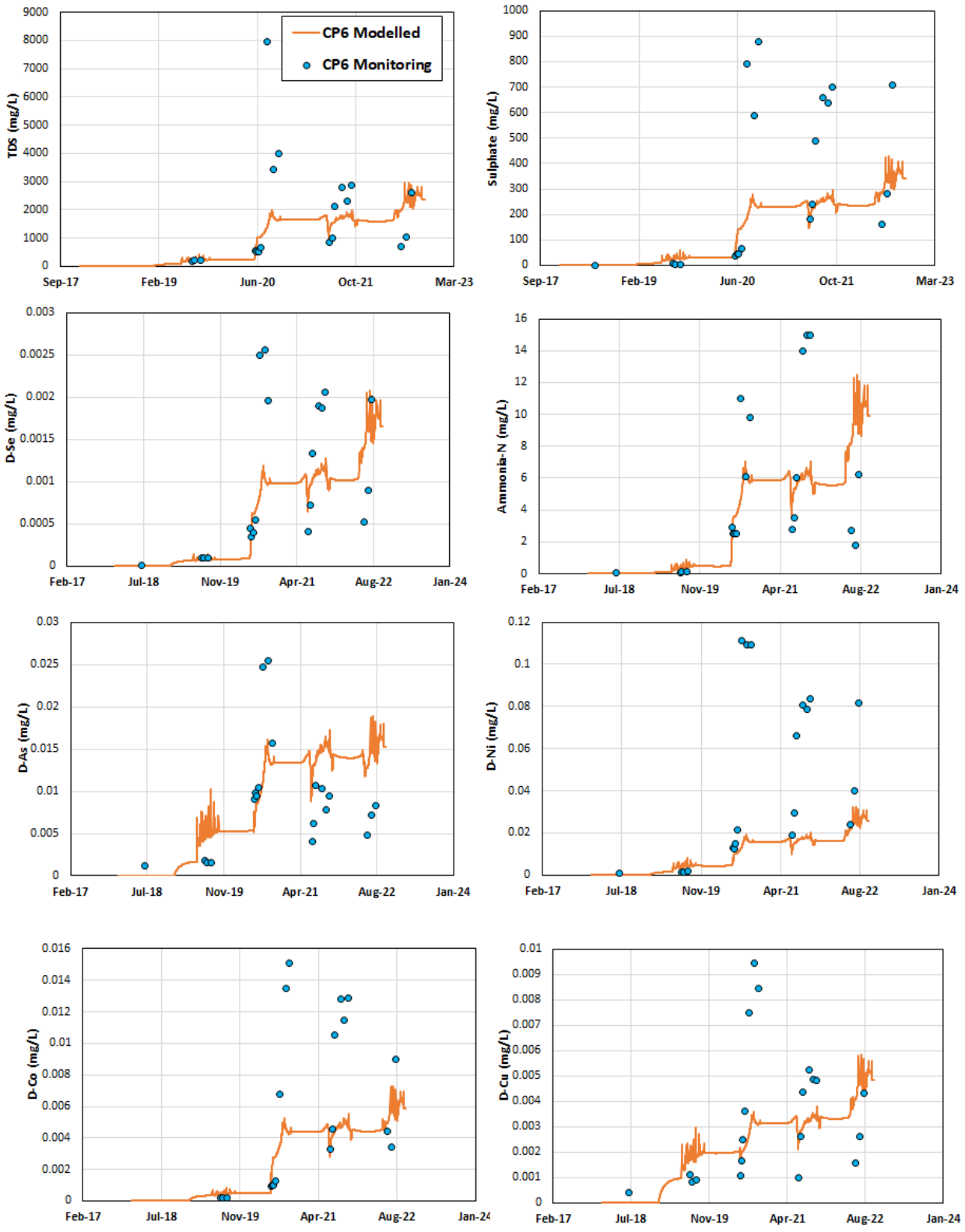

Figure 5: Validation of calibrated GoldSim model predictions for CP6.

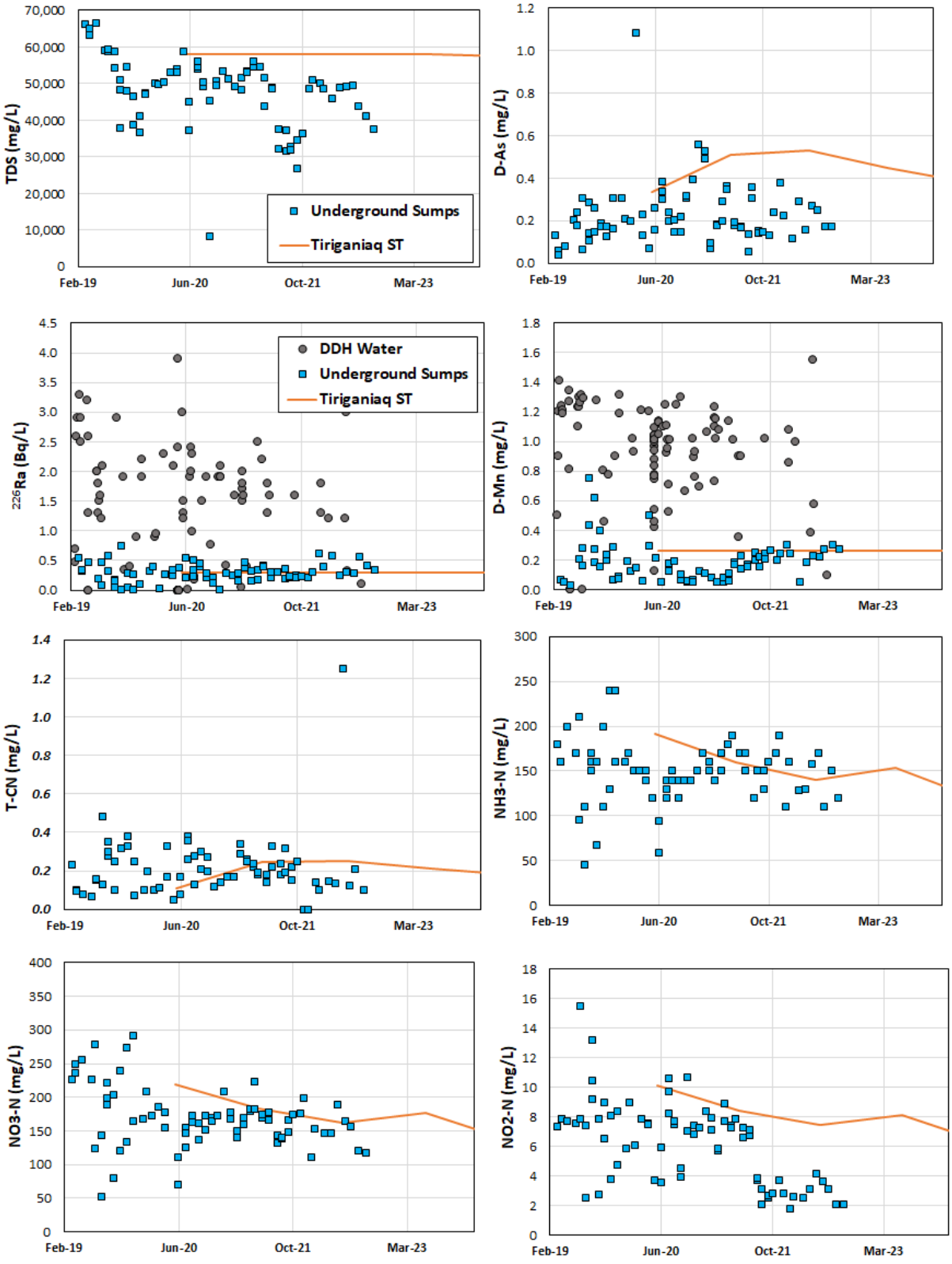

Figure 6: Validation of Tiriganiaq Underground source term.

Appendix B: Geochemical Source Terms

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Appendix B-1: Source Term Inputs
TSF Source Terms

Parameter	TDS	NH_3-N	NO_3-N	NO_2-N	Cl	F	SO_4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr
Unit	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
TSF Runoff																			
2020	5790	22.3	14.7	0.714	2680	0.346	869	0.00952	0.005	0.0000588	0.0538	0.444	0.505	0.229	0.000134	503	0.00047	0.038	0.00253
2021	5790	22.3	14.7	0.714	2680	0.346	869	0.00952	0.005	0.0000586	0.0538	0.443	0.505	0.23	0.000134	503	0.000471	0.0381	0.00254
2022	5620	22.3	14.7	0.714	2550	0.346	865	0.00952	0.005	0.0000576	0.0545	0.439	0.505	0.235	0.000135	496	0.000459	0.0378	0.00259
2023	5580	22.3	14.7	0.714	2520	0.346	865	0.00952	0.005	0.0000582	0.0541	0.44	0.505	0.232	0.000133	495	0.000461	0.0376	0.00255
2024	5480	22.3	14.7	0.714	2450	0.346	863	0.00952	0.005	0.0000583	0.0552	0.443	0.505	0.239	0.000135	490	0.000461	0.0374	0.00258
2025	5390	22.3	14.7	0.714	2380	0.346	861	0.00952	0.005	0.0000584	0.0556	0.445	0.505	0.241	0.000136	487	0.000458	0.0374	0.00259
2026	5310	22.3	14.7	0.714	2320	0.346	859	0.00952	0.005	0.0000584	0.0553	0.442	0.505	0.238	0.000135	483	0.000456	0.0376	0.0026
2027	5300	22.3	14.7	0.714	2320	0.346	859	0.00952	0.005	0.000057	0.0561	0.435	0.505	0.241	0.000137	483	0.000453	0.0396	0.00281
2028	5320	22.3	14.7	0.714	2330	0.346	859	0.00952	0.005	0.0000552	0.0574	0.428	0.505	0.248	0.000139	484	0.000451	0.0415	0.00304
2029	5330	22.3	14.7	0.714	2330	0.346	859	0.00952	0.005	0.0000536	0.0584	0.417	0.505	0.251	0.00014	484	0.000449	0.0437	0.00329
2030	5310	22.3	14.7	0.714	2320	0.346	859	0.00952	0.005	0.0000522	0.0586	0.403	0.505	0.248	0.000138	483	0.000446	0.046	0.0035
2031	5320	22.3	14.7	0.714	2330	0.346	859	0.00952	0.005	0.0000512	0.0582	0.389	0.505	0.241	0.000134	484	0.000447	0.0485	0.00368
2032	5330	22.3	14.7	0.714	2330	0.346	859	0.00952	0.005	0.0000504	0.0579	0.379	0.505	0.236	0.000132	484	0.000448	0.0505	0.00384
2033	5340	22.3	14.7	0.714	2340	0.346	860	0.00952	0.005	0.0000498	0.0579	0.371	0.505	0.233	0.00013	485	0.00045	0.0519	0.00394
2034	5340	22.3	14.7	0.714	2340	0.346	860	0.00952	0.005	0.0000494	0.0584	0.368	0.505	0.235	0.00013	485	0.000451	0.053	0.00405
2035	5350	22.3	14.7	0.714	2350	0.346	860	0.00952	0.005	0.000049	0.059	0.365	0.505	0.238	0.000131	485	0.000451	0.0534	0.00412
2036	5330	22.3	14.7	0.714	2340	0.346	860	0.00952	0.005	0.0000487	0.0591	0.361	0.505	0.237	0.00013	484	0.000451	0.0543	0.00419
2037	5340	22.3	14.7	0.714	2350	0.346	860	0.00952	0.005	0.0000484	0.0588	0.357	0.505	0.234	0.000129	485	0.000452	0.055	0.00424
2038	5310	22.3	14.7	0.714	2320	0.346	859	0.00952	0.005	0.000048	0.0586	0.352	0.505	0.231	0.000127	484	0.000454	0.0559	0.0043
2039	5270	22.3	14.7	0.714	2300	0.346	858	0.00952	0.005	0.0000476	0.0583	0.345	0.505	0.228	0.000125	482	0.000456	0.057	0.00438
2040	5220	22.3	14.7	0.714	2250	0.346	857	0.00952	0.005	0.0000472	0.0582	0.341	0.505	0.225	0.000124	479	0.000456	0.058	0.00445
2041	5190	22.3	14.7	0.714	2230	0.346	857	0.00952	0.005	0.0000475	0.0581	0.343	0.505	0.225	0.000124	478	0.000458	0.0575	0.0044
2042	5140	22.3	14.7	0.714	2200	0.346	856	0.00952	0.005	0.0000479	0.058	0.345	0.505	0.226	0.000124	476	0.000458	0.0569	0.00435
2043	5090	22.3	14.7	0.714	2160	0.346	855	0.00952	0.005	0.0000485	0.0579	0.35	0.505	0.226	0.000124	474	0.000458	0.0561	0.00427
2044	913.1163921	0.946905379	1.456836645	0.024079896	81.80025356	0.66109104	573.7406992	0	0	6.11017E-06	0.036652267	0.029711053	1.308320162	0.148540568	3.09464E-05	125.7911495	0.000256898	0.007985288	0.001454058
2045	901.4484082	0.827662937	1.273379288	0.021047549	71.49926449	0.57784079	573.0040358	0	0	6.10232E-06	0.036605207	0.029672905	1.306640324	0.148349847	3.09067E-05	125.629638	0.000256568	0.007975036	0.001452191
2046	891.1157317	0.723436526	1.113024453	0.018397061	62.49546425	0.505074125	572.2673725	0	0	6.09448E-06	0.036558147	0.029634757	1.304960486	0.148159126	3.08669E-05	125.4681265	0.000256239	0.007964783	0.001450324
2047	881.9502092	0.632335198	0.972862874	0.016080346	54.62549972	0.441470862	571.5307091	0	0	6.08663E-06	0.036511086	0.02959661	1.303280647	0.147968405	3.08272E-05	125.306615	0.000255909	0.00795453	0.001448457
2048	873.8048627	0.552706129	0.850351642	0.014055371	47.74658857	0.385877067	570.7940458	0	0	6.07879E-06	0.036464026	0.029558462	1.301600809	0.147777684	3.07875E-05	125.1451035	0.000255579	0.007944277	0.00144659
2049	866.5512229	0.483104636	0.743268074	0.012285398	41.73392888	0.337284119	570.0573824	0	0	6.07094E-06	0.036416966	0.029520314	1.299920971	0.147586963	3.07477E-05	124.983592	0.000255249	0.007934024	0.001444723
2050	860.0769985	0.422267959	0.649669388	0.010738315	36.47843484	0.294810412	569.3207191	0	0	6.0631E-06	0.036369906	0.029482166	1.298241133	0.147396242	3.0708E-05	124.8220805	0.000254919	0.007923771	0.001442856
2051	854.2840387	0.369092359	0.56785745	0.009386055	31.88475765	0.257685358	568.5840557	0	0	6.05525E-06	0.036322845	0.029444018	1.296561295	0.147205521	3.06683E-05	124.6605689	0.000254589	0.007913519	0.001440989
2052	849.0865529	0.322613085	0.496347972	0.008204082	27.86955567	0.225235409	567.8473924	0	0	6.04741E-06	0.036275785	0.02940587	1.294881457	0.1470148	3.06285E-05	124.4990574	0.000254259	0.007903266	0.001439122
2053	844.4095539	0.28198688	0.433843581	0.007170954	24.35998234	0.196871835	567.110729	0	0	6.03956E-06	0.036228725	0.029367722	1.293201619	0.146824079	3.05888E-05	124.3375459	0.00025393	0.007893013	0.001437255
2054	840.1874976	0.246476675	0.379210279	0.006267926	21.29236456	0.172080046	566.3740657	0	0	6.03172E-06	0.036181665	0.029329574	1.29152178	0.146633358	3.0549E-05	124.1760344	0.0002536	0.00788276	0.001435388
2055	836.3630936	0.21543822	0.33145687	0.005478615	18.61104751	0.150410252	565.6374023	0	0	6.02387E-06	0.036134604	0.029291426	1.289841942	0.146442637	3.05093E-05	124.0145229	0.00025327	0.007872507	0.001433521
2056	832.8862663	0.188308392	0.28971698	0.004788701	16.26738489	0.131469304	564.900739	0	0	6.01603E-06	0.036087544	0.029253278	1.288162104	0.146251916	3.04696E-05	123.8530114	0.00025294	0.007862254	0.001431654
2057	829.7132456	0.164594986	0.253233335	0.004185667	14.21885635	0.114913562	564.1640756	0	0	6.00818E-06	0.036040484	0.02921513	1.286482266	0.146061195	3.04298E-05	123.6914998	0.00025261	0.007852002	0.001429787
2058	826.8057738	0.143867774	0.221344023	0.003658572	12.42829608	0.100442662	563.4274123	0	0	6.00034E-06	0.035993424	0.029176982	1.284802428	0.145870474	3.03901E-05	123.5299883	0.00025228	0.007841749	0.00142792
2059	824.1304106	0.125750711	0.193470486	0.003197853	10.86321851	0.087794061	562.6907489	0	0	5.99249E-06	0.035946363	0.029138834	1.28312259	0.145679754	3.03504E-05	123.3684768	0.00025195	0.007831496	0.001426053
2060	821.6579269	0.109915103	0.169107024	0.002795152	9.495228921	0.07673828	561.9540856	0	0	5.98464E-06	0.035899303	0.029100686	1.281442751	0.145489033	3.03106E-05	123.2069653	0.000251621	0.007821243	0.001424186
2061	819.3627744	0.096073652	0.147811618	0.002443162	8.299508307	0.067074738	561.2174222	0	0	5.9768E-06	0.035852243	0.029062538	1.279762913	0.145298312	3.02709E-05	123.0454538	0.000251291	0.00781099	0.001422319
2062	817.222622	0.083975234	0.129197912	0.002135498	7.254363082	0.058628112	560.4807589	0	0	5.96895E-06	0.035805183	0.02902439	1.278083075	0.145107591	3.02312E-05	122.8839423	0.000250961	0.007800737	0.001420452
2063	815.2179507	0.073400353	0.112928204	0.001866578	6.340831503	0.051245158	559.7440955	0	0	5.96111E-06	0.035758122	0.028986242	1.276403237	0.14491687	3.01914E-05	122.7224308	0.000250631	0.007790485	0.001418585
2064	813.3316998	0.064157151	0.098707316	0.001631523	5.54233965	0.044791928	559.0074322	0	0	5.95326E-06	0.035711062	0.028948094	1.274723399	0.144726149	3.01517E-05	122.5609192	0.000250301	0.007780232	0.001416718
2065	811.5489565	0.056077933	0.086277245	0.001426067	4.844400736	0.039151345	558.2707688	0	0	5.94542E-06	0.035664002	0.028909946	1.273043561	0.144535428	3.0112E-05	122.3994077	0.000249971	0.007769979	0.001414852
2066	809.8566864	0.049016119	0.075412475	0.001246485	4.234352271	0.034221072	557.5341055	0	0	5.93757E-06	0.035616942	0.028871798	1.271363723	0.144344707	3.00722E-05	122.2378962	0.000249642	0.007759726	0.001412985
2067	808.2434963	0.042843589	0.06591589	0.001089517	3.701126339	0.029911661	556.7974421	0	0	5.92973E-06	0.035569881	0.02883365	1.269683884	0.144153986	3.00325E-05	122.0763847	0.000249312	0.007749473	0.001411118
2068	806.6994278	0.037448357	0.057615196	0.000952315	3.235048786	0.026144928	556.0607788	0	0	5.92188E-06	0.035522821	0.028795502	1.268004046	0.143963265	2.99928E-05	121.9148732	0.000248982	0.00773922	0.001409251
2069	805.2157765	0.032732539	0.050359796	0.000832392	2.827663714	0.022852535	555.3241154	0	0	5.91404E-06	0.035475761	0.028757354	1.266324208	0.143772544	2.9953E-05	121.7533617	0.000248652	0.007728968	0.001407384
2070	803.7849341	0.028610577	0.044018059	0.00072757	2.471580062	0.019974748	554.5874521	0	0	5.90619E-06	0.035428701	0.028719206	1.26464437	0.143581823	2.99133E-05	121.5918502	0.000248322	0.007718715	0.001405517
2071	802.4002505	0.025007688	0.038474928	0.000635948	2.160337516	0.017459356	553.8507887	0	0	5.89835E-06	0.03538164	0.028681058	1.262964532	0.143391102	2.98736E-05	121.4303386	0.000247992	0.007708462	0.00140365

Appendix B-1: Source Term Inputs

TSF Source Terms

Parameter	TDS	NH_3-N	NO_3-N	NO_2-N	Cl	F	SO_4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2072	801.0559129	0.021858506	0.033629835	0.000555864	1.888289299	0.015260725	553.1141254	0	0	5.8905E-06	0.03533458	0.02864291	1.261284694	0.143200381	2.98338E-05	121.2688271	0.000247662	0.007698209	0.001401783
2073	799.7468407	0.019105895	0.029394878	0.000485865	1.650499725	0.013338963	552.377462	0	0	5.88266E-06	0.03528752	0.028604762	1.259604856	0.14300966	2.97941E-05	121.1073156	0.000247333	0.007687956	0.001399916
2074	798.468593	0.016699917	0.025693223	0.000424681	1.442654652	0.011659207	551.6407987	0	0	5.87481E-06	0.03524046	0.028566614	1.257925017	0.142818939	2.97544E-05	120.9458041	0.000247003	0.007677703	0.001398049
2075	797.217288	0.01459692	0.022457712	0.000371201	1.260983213	0.010190979	550.9041353	0	0	5.86697E-06	0.035193399	0.028528466	1.256245179	0.142628218	2.97146E-05	120.7842926	0.000246673	0.007667451	0.001396182
2076	795.9895329	0.012758751	0.019629645	0.000324456	1.102189398	0.008907644	550.167472	0	0	5.85912E-06	0.035146339	0.028490318	1.254565341	0.142437497	2.96749E-05	120.6227811	0.000246343	0.007657198	0.001394315
2077	794.7823621	0.01115206	0.017157711	0.000283598	0.963392262	0.007785917	549.4308086	0	0	5.85128E-06	0.035099279	0.02845217	1.252885503	0.142246776	2.96352E-05	120.4612695	0.000246013	0.007646945	0.001392448
2078	793.5931834	0.009747697	0.014997065	0.000247885	0.842073651	0.006805448	548.6941453	0	0	5.84343E-06	0.035052219	0.028414022	1.251205665	0.142056055	2.95954E-05	120.299758	0.000245683	0.007636692	0.001390581
2079	792.4197312	0.008520183	0.013108506	0.000216669	0.736032519	0.005948447	547.9574819	0	0	5.83558E-06	0.035005158	0.028375874	1.249525827	0.141865334	2.95557E-05	120.1382465	0.000245354	0.007626439	0.001388714
2080	791.2600249	0.007447249	0.011457771	0.000189384	0.643344995	0.005199368	547.2208186	0	0	5.82774E-06	0.034958098	0.028337726	1.247845989	0.141674613	2.9516E-05	119.976735	0.000245024	0.007616186	0.001386847
2081	790.1123337	0.006509427	0.01001491	0.000165535	0.562329479	0.004544619	546.4841552	0	0	5.81989E-06	0.034911038	0.028299578	1.24616615	0.141483892	2.94762E-05	119.8152235	0.000244694	0.007605934	0.00138498
2082	788.9751444	0.005689704	0.008753747	0.00014469	0.491516131	0.003972322	545.7474919	0	0	5.81205E-06	0.034863978	0.02826143	1.244486312	0.141293171	2.94365E-05	119.653712	0.000244364	0.007595681	0.001383113
2083	787.8471346	0.004973208	0.0076514	0.000126469	0.429620207	0.003472093	545.0108285	0	0	5.8042E-06	0.034816917	0.028223283	1.242806474	0.14110245	2.93968E-05	119.4922005	0.000244034	0.007585428	0.001381246
2084	786.7271483	0.004346939	0.00668787	0.000110543	0.375518748	0.003034857	544.2741652	0	0	5.79636E-06	0.034769857	0.028185135	1.241126636	0.140911729	2.9357E-05	119.3306889	0.000243704	0.007575175	0.001379379
2085	785.6141751	0.003799535	0.005845676	9.66226E-05	0.328230208	0.002652682	543.5375018	0	0	5.78851E-06	0.034722797	0.028146987	1.239446798	0.140721008	2.93173E-05	119.1691774	0.000243374	0.007564922	0.001377512
2086	784.5073319	0.003321065	0.005109539	8.4455E-05	0.286896647	0.002318633	542.8008385	0	0	5.78067E-06	0.034675737	0.028108839	1.23776696	0.140530287	2.92776E-05	119.0076659	0.000243045	0.007554669	0.001375645
2087	783.4058467	0.002902848	0.004466102	7.38197E-05	0.250768162	0.002026651	542.0641751	0	0	5.77282E-06	0.034628676	0.028070691	1.236087122	0.140339566	2.92378E-05	118.8461544	0.000242715	0.007544417	0.001373778
2088	782.3090449	0.002537297	0.003903692	6.45237E-05	0.219189286	0.001771438	541.3275118	0	0	5.76498E-06	0.034581616	0.028032543	1.234407283	0.140148845	2.91981E-05	118.6846429	0.000242385	0.007534164	0.001371911
2089	781.2163365	0.002217779	0.003412106	5.63983E-05	0.191587092	0.001548363	540.5908484	0	0	5.75713E-06	0.034534556	0.027994395	1.232727445	0.139958124	2.91584E-05	118.5231314	0.000242055	0.007523911	0.001370044
2090	780.1272062	0.001938497	0.002982424	4.92962E-05	0.167460803	0.00135338	539.8541851	0	0	5.74929E-06	0.034487496	0.027956247	1.231047607	0.139767403	2.91186E-05	118.3616198	0.000241725	0.007513658	0.001368177
2091	779.0412034	0.001694385	0.002606852	4.30884E-05	0.146372704	0.001182951	539.1175217	0	0	5.74144E-06	0.034440435	0.027918099	1.229367769	0.139576682	2.90789E-05	118.2001083	0.000241395	0.007503405	0.001366311
2092	777.9579342	0.001481013	0.002278574	3.76623E-05	0.127940198	0.001033984	538.3808584	0	0	5.7336E-06	0.034393375	0.027879951	1.227687931	0.139385961	2.90392E-05	118.0385968	0.000241065	0.007493152	0.001364444
2093	776.8770544	0.001294511	0.001991637	3.29196E-05	0.111828872	0.000903776	537.644195	0	0	5.72575E-06	0.034346315	0.027841803	1.226008093	0.13919524	2.89994E-05	117.8770853	0.000240736	0.0074829	0.001362577
2094	775.7982631	0.001131495	0.001740833	2.8774E-05	0.097746422	0.000789964	536.9075317	0	0	5.71791E-06	0.034299254	0.027803655	1.224328254	0.139004519	2.89597E-05	117.7155738	0.000240406	0.007472647	0.00136071
2095	774.7212972	0.000989008	0.001521612	2.51506E-05	0.085437354	0.000690485	536.1708683	0	0	5.71006E-06	0.034252194	0.027765507	1.222648416	0.138813798	2.892E-05	117.5540623	0.000240076	0.007462394	0.001358843
2096	773.645927	0.000864463	0.001329998	2.19834E-05	0.07467835	0.000603533	535.434205	0	0	5.70222E-06	0.034205134	0.027727359	1.220968578	0.138623077	2.88802E-05	117.3925508	0.000239746	0.007452141	0.001356976
2097	772.5719515	0.000755603	0.001162513	1.92151E-05	0.065274212	0.000527531	534.6975416	0	0	5.69437E-06	0.034158074	0.027689211	1.21928874	0.138432356	2.88405E-05	117.2310392	0.000239416	0.007441888	0.001355109
2098	771.499195	0.000660451	0.001016119	1.67953E-05	0.057054324	0.0004611	533.9608783	0	0	5.68653E-06	0.034111013	0.027651063	1.217608902	0.138241635	2.88007E-05	117.0695277	0.000239086	0.007431635	0.001353242
2099	770.4275041	0.000577281	0.000888161	1.46803E-05	0.049869555	0.000403034	533.2242149	0	0	5.67868E-06	0.034063953	0.027612915	1.215929064	0.138050914	2.8761E-05	116.9080162	0.000238757	0.007421382	0.001351375
2100	769.3567445	0.000504585	0.000776316	1.28316E-05	0.043589553	0.000352281	532.4875516	0	0	5.67083E-06	0.034016893	0.027574767	1.214249226	0.137860193	2.87213E-05	116.7465047	0.000238427	0.00741113	0.001349508
2101	768.286799	0.000441043	0.000678556	1.12158E-05	0.038100383	0.000307919	531.7508882	0	0	5.66299E-06	0.033969833	0.027536619	1.212569387	0.137669472	2.86815E-05	116.5849932	0.000238097	0.007400877	0.001347641
2102	767.217565	0.000385503	0.000593106	9.80339E-06	0.033302456	0.000269143	531.0142249	0	0	5.65514E-06	0.033922772	0.027498471	1.210889549	0.137478751	2.86418E-05	116.4234817	0.000237767	0.007390624	0.001345774
2103	766.148953	0.000336957	0.000518417	8.56886E-06	0.029108725	0.00023525	530.2775615	0	0	5.6473E-06	0.033875712	0.027460323	1.209209711	0.13728803	2.86021E-05	116.2619702	0.000237437	0.007380371	0.001343907
2104	765.0808846	0.000294525	0.000453134	7.4898E-06	0.025443105	0.000205625	529.5408982	0	0	5.63945E-06	0.033828652	0.027422175	1.207529873	0.137097309	2.85623E-05	116.1004586	0.000237107	0.007370118	0.00134204
2105	764.0132914	0.000257436	0.000396071	6.54662E-06	0.022239091	0.000179731	528.8042348	0	0	5.63161E-06	0.033781592	0.027384027	1.205850035	0.136906588	2.85226E-05	115.9389471	0.000236777	0.007359865	0.001340173
2106	762.9461135	0.000225017	0.000346195	5.72221E-06	0.019438554	0.000157098	528.0675715	0	0	5.62376E-06	0.033734531	0.027345879	1.204170197	0.136715867	2.84829E-05	115.7774356	0.000236448	0.007349613	0.001338306
2107	761.8792987	0.000196681	0.000302599	5.00162E-06	0.016990685	0.000137315	527.3309081	0	0	5.61592E-06	0.033687471	0.027307731	1.202490359	0.136525146	2.84431E-05	115.6159241	0.000236118	0.00733936	0.001336439
2108	760.8128012	0.000171913	0.000264493	4.37177E-06	0.014851072	0.000120023	526.5942448	0	0	5.60807E-06	0.033640411	0.027269583	1.20081052	0.136334425	2.84034E-05	115.4544126	0.000235788	0.007329107	0.001334572
2109	759.746581	0.000150265	0.000231186	3.82124E-06	0.012980898	0.000104909	525.8575814	0	0	5.60023E-06	0.033593351	0.027231435	1.199130682	0.136143704	2.83637E-05	115.2929011	0.000235458	0.007318854	0.001332705
2110	758.6806033	0.000131342	0.000202073	3.34004E-06	0.011346232	9.16977E-05	525.1209181	0	0	5.59238E-06	0.03354629	0.027193287	1.197450844	0.135952983	2.83239E-05	115.1313895	0.000235128	0.007308601	0.001330838
2111	757.6148374	0.000114802	0.000176626	2.91943E-06	0.009917417	8.01503E-05	524.3842547	0	0	5.58454E-06	0.03349923	0.027155139	1.195771006	0.135762262	2.82842E-05	114.969878	0.000234798	0.007298348	0.001328971
2112	756.5492568	0.000100345	0.000154384	2.55179E-06	0.008668531	7.00571E-05	523.6475914	0	0	5.57669E-06	0.03345217	0.027116991	1.194091168	0.135571541	2.82445E-05	114.8083665	0.000234469	0.007288096	0.001327104
2113	755.483838	8.7709E-05	0.000134942	2.23045E-06	0.007576915	6.12349E-05	522.910928	0	0	5.56885E-06	0.03340511	0.027078843	1.19241133	0.13538082	2.82047E-05	114.646855	0.000234139	0.007277843	0.001325237
2114	754.4185608	7.6664E-05	0.000117949	1.94957E-06	0.006622765	5.35237E-05	522.1742647	0	0	5.561E-06	0.033358049	0.027040695	1.190731492	0.135190099	2.8165E-05	114.4853435	0.000233809	0.00726759	0.00132337
2115	753.3534073	6.70098E-05	0.000103096	1.70407E-06	0.00578877	4.67835E-05	521.4376013	0	0	5.55316E-06	0.033310989	0.027002547	1.189051653	0.134999378	2.81253E-05	114.323832	0.000233479	0.007257337	0.001321503
2116	752.2883618	5.85713E-05	9.01134E-05	1.48947E-06	0.005059798	4.08921E-05	520.700938	0	0	5.54531E-06	0.033263929	0.026964399	1.187371815	0.134808657	2.80855E-05	114.1623205	0.000233149	0.007247084	0.001319637
2117	751.2234109	5.11955E-05	7.87656E-05	1.30191E-06	0.004422625	3.57427E-05	519.9642746	0	0	5.53747E-06	0.033216869	0.026926251	1.185691977	0.134617936	2.80458E-05	114.0008089	0.000232819	0.007236831	0.00131777
2118	750.1585425	4.47486E-05	6.88467E-05	1.13796E-06	0.00386569	3.12416E-05	519.2276113	0	0	5.52962E-06	0.033169808	0.026888103	1.184012139	0.134427215	2.80061E-05	113.8392974	0.000232489	0.007226579	0.001315903
2119	749.0937464	3.91134E-05	6.0177E-05	9.94658E-07	0.003378889	2.73074E-05	518.4909479	0	0	5.52178E-06	0.033122748	0.026849956	1.182332301	0.134236494	2.79663E-05	113.6777859	0.00023216	0.007216326	0.001314036
2120	748.0290133	3.41879E-05	5.2599E-05	8.69402E-07	0.002953391	2.38686E-05	517.7542846	0	0	5.51393E-06	0.033075688	0.026811808	1.180652463	0.134045773	2.79266E-05	113.5162744	0.00023183	0.007206073	0.001312169

Appendix B-1: Source Term Inputs
TSF Source Terms

Parameter	TDS	NH_3-N	NO_3-N	NO_2-N	Cl	F	SO_4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TSF Infiltration																			
2020	20000	94	166	0.239	10100	0.104	2160	0.0926	0.0102	0.000124	0.124	0.444	1.46	0.279	0.000267	1140	0.000462	0.0544	0.00253
2021	20000	94	166	0.239	10100	0.104	2160	0.0926	0.0102	0.000123	0.124	0.443	1.46	0.28	0.000267	1140	0.000463	0.0545	0.00254
2022	19300	94	166	0.239	9570	0.104	2150	0.0926	0.0102	0.000121	0.125	0.44	1.46	0.286	0.00027	1120	0.000451	0.0541	0.00259
2023	19200	94	166	0.239	9470	0.104	2150	0.0926	0.0102	0.000122	0.124	0.44	1.46	0.283	0.000266	1120	0.000453	0.0539	0.00255
2024	18800	94	166	0.239	9190	0.104	2140	0.0926	0.0102	0.000123	0.127	0.444	1.46	0.292	0.000271	1110	0.000453	0.0537	0.00258
2025	18500	94	166	0.239	8960	0.104	2140	0.0926	0.0102	0.000123	0.128	0.445	1.46	0.294	0.000272	1100	0.000451	0.0536	0.00259
2026	18200	94	166	0.239	8720	0.104	2130	0.0926	0.0102	0.000123	0.127	0.443	1.46	0.291	0.000269	1090	0.000448	0.0539	0.0026
2027	18200	94	166	0.239	8710	0.104	2130	0.0926	0.0102	0.00012	0.129	0.436	1.46	0.294	0.000273	1090	0.000446	0.0567	0.00281
2028	18200	94	166	0.239	8750	0.104	2130	0.0926	0.0102	0.000116	0.132	0.428	1.46	0.302	0.000279	1090	0.000443	0.0595	0.00304
2029	18200	94	166	0.239	8770	0.104	2130	0.0926	0.0102	0.000113	0.134	0.417	1.46	0.307	0.00028	1090	0.000441	0.0627	0.00329
2030	18200	94	166	0.239	8730	0.104	2130	0.0926	0.0102	0.00011	0.135	0.403	1.46	0.303	0.000275	1090	0.000439	0.0659	0.0035
2031	18200	94	166	0.239	8740	0.104	2130	0.0926	0.0102	0.000108	0.134	0.389	1.46	0.294	0.000268	1090	0.00044	0.0695	0.00368
2032	18200	94	166	0.239	8770	0.104	2130	0.0926	0.0102	0.000106	0.133	0.379	1.46	0.288	0.000263	1090	0.000441	0.0724	0.00384
2033	18300	94	166	0.239	8800	0.104	2140	0.0926	0.0102	0.000105	0.133	0.372	1.46	0.285	0.00026	1100	0.000442	0.0744	0.00394
2034	18300	94	166	0.239	8810	0.104	2140	0.0926	0.0102	0.000104	0.134	0.368	1.46	0.287	0.00026	1100	0.000443	0.0759	0.00405
2035	18300	94	166	0.239	8830	0.104	2140	0.0926	0.0102	0.000103	0.136	0.366	1.46	0.291	0.000261	1100	0.000443	0.0766	0.00412
2036	18300	94	166	0.239	8780	0.104	2130	0.0926	0.0102	0.000102	0.136	0.361	1.46	0.29	0.00026	1090	0.000444	0.0778	0.00419
2037	18300	94	166	0.239	8820	0.104	2140	0.0926	0.0102	0.000102	0.135	0.357	1.46	0.286	0.000257	1100	0.000445	0.0788	0.00424
2038	18200	94	166	0.239	8730	0.104	2130	0.0926	0.0102	0.000101	0.135	0.352	1.46	0.282	0.000254	1090	0.000447	0.0801	0.0043
2039	18100	94	166	0.239	8620	0.104	2130	0.0926	0.0102	0.0001	0.134	0.346	1.46	0.278	0.000251	1090	0.000448	0.0817	0.00438
2040	17800	94	166	0.239	8460	0.104	2130	0.0926	0.0102	0.0000994	0.134	0.341	1.46	0.275	0.000249	1080	0.000449	0.0831	0.00445
2041	17700	94	166	0.239	8390	0.104	2130	0.0926	0.0102	0.0000999	0.134	0.343	1.46	0.275	0.000248	1080	0.00045	0.0824	0.0044
2042	17600	94	166	0.239	8260	0.104	2130	0.0926	0.0102	0.000101	0.133	0.345	1.46	0.275	0.000248	1080	0.000451	0.0816	0.00435
2043	17400	94	166	0.239	8130	0.104	2120	0.0926	0.0102	0.000102	0.133	0.35	1.46	0.276	0.000249	1070	0.000451	0.0803	0.00427
2044	2460	6.245	0.4	0.2	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2045	2460	5.43315	0.348	0.174	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2046	2460	4.7268405	0.30276	0.15138	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2047	2460	4.112351235	0.2634012	0.1317006	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2048	2460	3.577745574	0.229159044	0.114579522	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2049	2460	3.11263865	0.199368368	0.099684184	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2050	2460	2.707995625	0.17345048	0.08672524	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2051	2460	2.355956194	0.150901918	0.075450959	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2052	2460	2.049681889	0.131284669	0.065642334	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2053	2460	1.783223243	0.114217662	0.057108831	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2054	2460	1.551404222	0.099369366	0.049684683	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2055	2460	1.349721673	0.086451348	0.043225674	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2056	2460	1.174257855	0.075212673	0.037606336	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2057	2460	1.021604334	0.065435025	0.032717513	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2058	2460	0.888795771	0.056928472	0.028464236	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2059	2460	0.773252321	0.049527771	0.024763885	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2060	2460	0.672729519	0.043089161	0.02154458	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2061	2460	0.585274681	0.03748757	0.018743785	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2062	2460	0.509188973	0.032614186	0.016307093	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2063	2460	0.442994406	0.028374341	0.014187171	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2064	2460	0.385405134	0.024685677	0.012342839	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2065	2460	0.335302466	0.021476539	0.01073827	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2066	2460	0.291713146	0.018684589	0.009342294	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2067	2460	0.253790437	0.016255592	0.008127796	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2068	2460	0.22079768	0.014142365	0.007071183	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2069	2460	0.192093981	0.012303858	0.006151929	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2070	2460	0.167121764	0.010704356	0.005352178	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001

Appendix B-1: Source Term Inputs
TSF Source Terms

Parameter	TDS	NH_3-N	NO_3-N	NO_2-N	Cl	F	SO_4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2071	2460	0.145395935	0.00931279	0.004656395	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2072	2460	0.126494463	0.008102127	0.004051064	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2073	2460	0.110050183	0.007048851	0.003524425	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2074	2460	0.095743659	0.0061325	0.00306625	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2075	2460	0.083296983	0.005335275	0.002667638	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2076	2460	0.072468376	0.004641689	0.002320845	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2077	2460	0.063047487	0.00403827	0.002019135	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2078	2460	0.054851313	0.003513295	0.001756647	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2079	2460	0.047720643	0.003056566	0.001528283	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2080	2460	0.041516959	0.002659213	0.001329606	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2081	2460	0.036119754	0.002313515	0.001156758	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2082	2460	0.031424186	0.002012758	0.001006379	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2083	2460	0.027339042	0.0017511	0.00087555	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2084	2460	0.023784967	0.001523457	0.000761728	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2085	2460	0.020692921	0.001325407	0.000662704	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2086	2460	0.018002841	0.001153104	0.000576552	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2087	2460	0.015662472	0.001003201	0.0005016	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2088	2460	0.013626351	0.000872785	0.000436392	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2089	2460	0.011854925	0.000759323	0.000379661	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2090	2460	0.010313785	0.000660611	0.000330305	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2091	2460	0.008972993	0.000574731	0.000287366	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2092	2460	0.007806504	0.000500016	0.000250008	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2093	2460	0.006791658	0.000435014	0.000217507	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2094	2460	0.005908743	0.000378462	0.000189231	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2095	2460	0.005140606	0.000329262	0.000164631	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2096	2460	0.004472327	0.000286458	0.000143229	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2097	2460	0.003890925	0.000249219	0.000124609	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2098	2460	0.003385105	0.00021682	0.00010841	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2099	2460	0.002945041	0.000188634	9.43168E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2100	2460	0.002562186	0.000164111	8.20556E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2101	2460	0.002229101	0.000142777	7.13884E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2102	2460	0.001939318	0.000124216	6.21079E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2103	2460	0.001687207	0.000108068	5.40338E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2104	2460	0.00146787	9.40189E-05	4.70094E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2105	2460	0.001277047	8.17964E-05	4.08982E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2106	2460	0.001111031	7.11629E-05	3.55815E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2107	2460	0.000966597	6.19117E-05	3.09559E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2108	2460	0.000840939	5.38632E-05	2.69316E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2109	2460	0.000731617	4.6861E-05	2.34305E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2110	2460	0.000636507	4.07691E-05	2.03845E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2111	2460	0.000553761	3.54691E-05	1.77345E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2112	2460	0.000481772	3.08581E-05	1.5429E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2113	2460	0.000419142	2.68465E-05	1.34233E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2114	2460	0.000364653	2.33565E-05	1.16782E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2115	2460	0.000317248	2.03202E-05	1.01601E-05	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2116	2460	0.000276006	1.76785E-05	8.83927E-06	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2117	2460	0.000240125	1.53803E-05	7.69016E-06	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2118	2460	0.000208909	1.33809E-05	6.69044E-06	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2119	2460	0.000181751	1.16414E-05	5.82068E-06	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001
2120	2460	0.000158123	1.0128E-05	5.06399E-06	10	0.4	1532	0.0613	0	0.00002	0.01195	0.1185	0.5185	0.02505	0.00004	533.5	0.00005	0.006925	0.001

Notes: TDS = (0.22 x HCO3 as CaCO3)+ Cl + SO4 + Na + K + Ca + Mg + (0.2259 x NO3-N)

Appendix B-1: Source Term Inputs
TSF Source Terms

Parameter	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
TSF Runoff	TSF Runoff																		
2020	0.00748	0.0483	0.0000161	82.1	187	3.06	0.00587	1430	0.0383	0.0168	0.00133	0.00194	0.00322	3.8	0.000123	0.00474	0.00685	0.00938	0.00748
2021	0.00754	0.0485	0.000016	82.1	187	3.08	0.00586	1430	0.0383	0.0168	0.00132	0.00194	0.00322	3.78	0.000123	0.00473	0.00686	0.0094	0.00748
2022	0.00722	0.0469	0.0000159	81.2	187	3	0.00576	1400	0.0389	0.0165	0.00132	0.00192	0.00315	3.78	0.000125	0.00474	0.00701	0.00919	0.00692
2023	0.00725	0.0472	0.0000157	81.1	187	3	0.00579	1390	0.0384	0.0165	0.00133	0.0019	0.00317	3.79	0.000124	0.00472	0.00696	0.00921	0.0068
2024	0.0072	0.0472	0.0000154	80.6	187	2.99	0.00581	1370	0.0383	0.0166	0.00133	0.00191	0.00317	3.82	0.000127	0.00479	0.00705	0.00922	0.00648
2025	0.0071	0.0469	0.0000155	80.1	187	2.97	0.00581	1350	0.0386	0.0166	0.00134	0.0019	0.00316	3.84	0.000128	0.00482	0.0071	0.00917	0.00622
2026	0.00702	0.0464	0.0000154	79.7	187	2.96	0.00579	1340	0.039	0.0165	0.00135	0.00188	0.00314	3.84	0.000128	0.00478	0.00718	0.00912	0.00595
2027	0.00709	0.0457	0.0000158	79.7	187	3.06	0.00569	1340	0.0418	0.0165	0.00133	0.0019	0.00313	3.81	0.00013	0.00475	0.0077	0.00916	0.00593
2028	0.00721	0.0451	0.0000161	79.8	187	3.17	0.00559	1340	0.0445	0.0165	0.0013	0.00193	0.00311	3.78	0.000132	0.00473	0.00826	0.00922	0.00598
2029	0.00739	0.0445	0.0000157	79.8	187	3.33	0.00547	1340	0.047	0.0164	0.00124	0.00191	0.00309	3.73	0.000134	0.00466	0.00895	0.00931	0.00601
2030	0.00756	0.0438	0.0000154	79.7	187	3.49	0.00533	1340	0.0495	0.0163	0.0012	0.00187	0.00307	3.66	0.000133	0.00453	0.00959	0.00938	0.00596
2031	0.00782	0.0434	0.000015	79.7	187	3.68	0.00523	1340	0.0519	0.0163	0.00115	0.00182	0.00307	3.59	0.000131	0.00437	0.0102	0.00951	0.00597
2032	0.00806	0.0432	0.0000147	79.8	187	3.84	0.00514	1340	0.0539	0.0163	0.00112	0.00178	0.00307	3.53	0.00013	0.00426	0.0107	0.00964	0.006
2033	0.00823	0.0432	0.0000144	79.9	187	3.96	0.00509	1340	0.0551	0.0163	0.00108	0.00175	0.00307	3.49	0.000129	0.00418	0.011	0.00973	0.00604
2034	0.00835	0.0431	0.0000142	79.9	187	4.04	0.00505	1340	0.0562	0.0163	0.00106	0.00174	0.00307	3.48	0.00013	0.00416	0.0114	0.0098	0.00605
2035	0.0084	0.0431	0.0000139	79.9	187	4.09	0.00502	1350	0.0567	0.0163	0.00104	0.00173	0.00307	3.47	0.000131	0.00416	0.0116	0.00984	0.00607
2036	0.0085	0.043	0.0000137	79.8	187	4.16	0.00499	1340	0.0574	0.0163	0.00102	0.00172	0.00307	3.45	0.000131	0.00412	0.0118	0.00989	0.00602
2037	0.00862	0.0431	0.0000136	79.9	187	4.22	0.00496	1340	0.0579	0.0163	0.001	0.0017	0.00307	3.42	0.00013	0.00406	0.0119	0.00995	0.00606
2038	0.00878	0.0432	0.0000134	79.7	187	4.31	0.00493	1340	0.0587	0.0163	0.00098	0.00169	0.00308	3.39	0.000129	0.004	0.0121	0.01	0.00596
2039	0.00893	0.0432	0.0000133	79.5	187	4.4	0.00488	1330	0.0597	0.0163	0.000957	0.00167	0.00309	3.35	0.000127	0.00393	0.0124	0.0101	0.00584
2040	0.00904	0.0431	0.0000132	79.2	187	4.47	0.00485	1320	0.0606	0.0164	0.00094	0.00165	0.00309	3.33	0.000127	0.00388	0.0126	0.0102	0.00566
2041	0.00907	0.0435	0.0000131	79.1	187	4.46	0.00487	1310	0.0598	0.0164	0.000937	0.00166	0.0031	3.33	0.000126	0.00389	0.0125	0.0102	0.00557
2042	0.00902	0.0436	0.000013	78.9	187	4.43	0.0049	1300	0.0591	0.0164	0.000946	0.00165	0.0031	3.34	0.000126	0.00391	0.0123	0.0102	0.00542
2043	0.00893	0.0437	0.000013	78.6	187	4.36	0.00495	1300	0.0582	0.0164	0.000967	0.00166	0.0031	3.37	0.000127	0.00395	0.0121	0.0101	0.00527
2044	0.008333983	0.029085815	0.00001	80.12657365	67.96048507	0.497517588	0.017648761	61.42006273	0.043707615	0.004975176	0.004975176	0.009614516	0.003579829	3.878788846	1.07639E-05	0.020426058	0.002683617	0.005493439	0.01
2045	0.008323282	0.02904847	0.00001	80.02369389	67.87322614	0.496878793	0.017626101	61.34120148	0.043651496	0.004968788	0.004968788	0.009602171	0.003575233	3.873808614	1.07501E-05	0.020399831	0.002680171	0.005486385	0.01
2046	0.008312582	0.029011125	0.00001	79.92081412	67.78596721	0.496239997	0.01760344	61.26234023	0.043595377	0.0049624	0.0049624	0.009589826	0.003570637	3.868828382	1.07363E-05	0.020373605	0.002676726	0.005479332	0.01
2047	0.008301881	0.02897378	0.00001	79.81793435	67.69870829	0.495601202	0.01758078	61.18347898	0.043539258	0.004956012	0.004956012	0.009577481	0.00356604	3.863848151	1.07225E-05	0.020347379	0.00267328	0.005472278	0.01
2048	0.008291181	0.028936435	0.00001	79.71505458	67.61144936	0.494962406	0.01755812	61.10461773	0.043483139	0.004949624	0.004949624	0.009565137	0.003561444	3.858867919	1.07087E-05	0.020321152	0.002669834	0.005465225	0.01
2049	0.00828048	0.028899089	0.00001	79.61217481	67.52419043	0.494323611	0.017535459	61.02575648	0.04342702	0.004943236	0.004943236	0.009552792	0.003556847	3.853887687	1.06948E-05	0.020294926	0.002666389	0.005458172	0.01
2050	0.008269779	0.028861744	0.00001	79.50929504	67.4369315	0.493684816	0.017512799	60.94689522	0.043370901	0.004936848	0.004936848	0.009540447	0.003552251	3.848907456	1.0681E-05	0.0202687	0.002662943	0.005451118	0.01
2051	0.008259079	0.028824399	0.00001	79.40641528	67.34967257	0.49304602	0.017490138	60.86803397	0.043314782	0.00493046	0.00493046	0.009528103	0.003547655	3.843927224	1.06672E-05	0.020242473	0.002659497	0.005444065	0.01
2052	0.008248378	0.028787054	0.00001	79.30353551	67.26241364	0.492407225	0.017467478	60.78917272	0.043258663	0.004924072	0.004924072	0.009515758	0.003543058	3.838946992	1.06534E-05	0.020216247	0.002656052	0.005437012	0.01
2053	0.008237678	0.028749709	0.00001	79.20065574	67.17515471	0.491768429	0.017444818	60.71031147	0.043202544	0.004917684	0.004917684	0.009503413	0.003538462	3.833966761	1.06395E-05	0.020190021	0.002652606	0.005429958	0.01
2054	0.008226977	0.028712364	0.00001	79.09777597	67.08789579	0.491129634	0.017422157	60.63145022	0.043146424	0.004911296	0.004911296	0.009491069	0.003533866	3.828986529	1.06257E-05	0.020163794	0.00264916	0.005422905	0.01
2055	0.008216277	0.028675018	0.00001	78.9948962	67.00063686	0.490490838	0.017399497	60.55258897	0.043090305	0.004904908	0.004904908	0.009478724	0.003529269	3.824006297	1.06119E-05	0.020137568	0.002645714	0.005415851	0.01
2056	0.008205576	0.028637673	0.00001	78.89201643	66.91337793	0.489852043	0.017376836	60.47372772	0.043034186	0.00489852	0.00489852	0.009466379	0.003524673	3.819026066	1.05981E-05	0.020111342	0.002642269	0.005408798	0.01
2057	0.008194876	0.028600328	0.00001	78.78913667	66.826119	0.489213247	0.017354176	60.39486647	0.042978067	0.004892132	0.004892132	0.009454034	0.003520076	3.814045834	1.05843E-05	0.020085115	0.002638823	0.005401745	0.01
2058	0.008184175	0.028562983	0.00001	78.6862569	66.73886007	0.488574452	0.017331516	60.31600522	0.042921948	0.004885745	0.004885745	0.00944169	0.00351548	3.809065603	1.05704E-05	0.020058889	0.002635377	0.005394691	0.01
2059	0.008173475	0.028525638	0.00001	78.58337713	66.65160114	0.487935656	0.017308855	60.23714397	0.042865829	0.004879357	0.004879357	0.009429345	0.003510884	3.804085371	1.05566E-05	0.020032663	0.002631932	0.005387638	0.01
2060	0.008162774	0.028488292	0.00001	78.48049736	66.56434222	0.487296861	0.017286195	60.15828272	0.04280971	0.004872969	0.004872969	0.009417	0.003506287	3.799105139	1.05428E-05	0.020006436	0.002628486	0.005380584	0.01
2061	0.008152073	0.028450947	0.00001	78.37761759	66.47708329	0.486658065	0.017263534	60.07942147	0.042753591	0.004866581	0.004866581	0.009404656	0.003501691	3.794124908	1.0529E-05	0.01998021	0.00262504	0.005373531	0.01
2062	0.008141373	0.028413602	0.00001	78.27473782	66.38982436	0.48601927	0.017240874	60.00056021	0.042697472	0.004860193	0.004860193	0.009392311	0.003497095	3.789144676	1.05152E-05	0.019953983	0.002621595	0.005366478	0.01
2063	0.008130672	0.028376257	0.00001	78.17185806	66.30256543	0.485380474	0.017218214	59.92169896	0.042641353	0.004853805	0.004853805	0.009379966	0.003492498	3.784164444	1.05013E-05	0.019927757	0.002618149	0.005359424	0.01
2064	0.008119972	0.028338912	0.00001	78.06897829	66.2153065	0.484741679	0.017195553	59.84283771	0.042585234	0.004847417	0.004847417	0.009367621	0.003487902	3.779184213	1.04875E-05	0.019901531	0.002614703	0.005352371	0.01
2065	0.008109271	0.028301566	0.00001	77.96609852	66.12804757	0.484102883	0.017172893	59.76397646	0.042529115	0.004841029	0.004841029	0.009355277	0.003483305	3.774203981	1.04737E-05	0.019875304	0.002611258	0.005345318	0.01
2066	0.008098571	0.028264221	0.00001	77.86321875	66.04078865	0.483464088	0.017150232	59.68511521	0.042472996	0.004834641	0.004834641	0.009342932	0.003478709	3.769223749	1.04599E-05	0.019849078	0.002607812	0.005338264	0.01
2067	0.00808787	0.028226876	0.00001	77.76033898	65.95352972	0.482825292	0.017127572	59.60625396	0.042416876	0.004828253	0.004828253	0.009330587	0.003474113	3.764243518	1.04461E-05	0.019822852	0.002604366	0.005331211	0.01
2068	0.00807717	0.028189531	0.00001	77.65745922	65.86627079	0.482186497	0.017104912	59.52739271	0.042360757	0.004821865	0.004821865	0.009318243	0.003469516	3.759263286	1.04322E-05	0.019796625	0.002600921	0.005324157	0.01
2069	0.008066469	0.028152186	0.00001	77.55457945	65.77901186	0.481547701	0.017082251	59.44853146	0.042304638	0.004815477	0.004815477	0.009305898	0.00346492	3.754283054	1.04184E-05	0.019770399	0.002597475	0.005317104	0.01
2070	0.008055769	0.02811484	0.00001	77.45169968	65.69175293	0.480908906	0.017059591	59.36967021	0.042248519	0.004809089	0.004809089	0.009293553	0.003460324	3.749302823	1.04046E-05	0.019744173	0.002594029	0.005310051	0.01
2071	0.008045068	0.028077495	0.00001	77.34881991	65.604494	0.48027011	0.01703693	59.29080896	0.0421924	0.004802701	0.004802701	0.009281209	0.003455727	3.744322591	1.03908E-05	0.019717946	0.002590584	0.005302997	0.01

Appendix B-1: Source Term Inputs
TSF Source Terms

Parameter	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2072	0.008034367	0.02804015	0.00001	77.24594014	65.51723507	0.479631315	0.01701427	59.21194771	0.042136281	0.004796313	0.004796313	0.009268864	0.003451131	3.73934236	1.0377E-05	0.01969172	0.002587138	0.005295944	0.01
2073	0.008023667	0.028002805	0.00001	77.14306037	65.42997615	0.478992519	0.01699161	59.13308646	0.042080162	0.004789925	0.004789925	0.009256519	0.003446534	3.734362128	1.03631E-05	0.019665494	0.002583692	0.00528889	0.01
2074	0.008012966	0.02796546	0.00001	77.04018061	65.34271722	0.478353724	0.016968949	59.05422521	0.042024043	0.004783537	0.004783537	0.009244174	0.003441938	3.729381896	1.03493E-05	0.019639267	0.002580247	0.005281837	0.01
2075	0.008002266	0.027928115	0.00001	76.93730084	65.25545829	0.477714928	0.016946289	58.97536395	0.041967924	0.004777149	0.004777149	0.00923183	0.003437342	3.724401665	1.03355E-05	0.019613041	0.002576801	0.005274784	0.01
2076	0.007991565	0.027890769	0.00001	76.83442107	65.16819936	0.477076133	0.016923628	58.8965027	0.041911805	0.004770761	0.004770761	0.009219485	0.003432745	3.719421433	1.03217E-05	0.019586814	0.002573355	0.00526773	0.01
2077	0.007980865	0.027853424	0.00001	76.7315413	65.08094043	0.476437337	0.016900968	58.81764145	0.041855686	0.004764373	0.004764373	0.00920714	0.003428149	3.714441201	1.03079E-05	0.019560588	0.00256991	0.005260677	0.01
2078	0.007970164	0.027816079	0.00001	76.62866153	64.9936815	0.475798542	0.016878308	58.7387802	0.041799567	0.004757985	0.004757985	0.009194796	0.003423552	3.70946097	1.0294E-05	0.019534362	0.002566464	0.005253623	0.01
2079	0.007959464	0.027778734	0.00001	76.52578176	64.90642258	0.475159746	0.016855647	58.65991895	0.041743448	0.004751597	0.004751597	0.009182451	0.003418956	3.704480738	1.02802E-05	0.019508135	0.002563018	0.00524657	0.01
2080	0.007948763	0.027741389	0.00001	76.422902	64.81916365	0.474520951	0.016832987	58.5810577	0.041687328	0.00474521	0.00474521	0.009170106	0.00341436	3.699500506	1.02664E-05	0.019481909	0.002559573	0.005239517	0.01
2081	0.007938062	0.027704043	0.00001	76.32002223	64.73190472	0.473882155	0.016810326	58.50219645	0.041631209	0.004738822	0.004738822	0.009157761	0.003409763	3.694520275	1.02526E-05	0.019455683	0.002556127	0.005232463	0.01
2082	0.007927362	0.027666698	0.00001	76.21714246	64.64464579	0.47324336	0.016787666	58.4233352	0.04157509	0.004732434	0.004732434	0.009145417	0.003405167	3.689540043	1.02388E-05	0.019429456	0.002552681	0.00522541	0.01
2083	0.007916661	0.027629353	0.00001	76.11426269	64.55738686	0.472604564	0.016765006	58.34447395	0.041518971	0.004726046	0.004726046	0.009133072	0.003400571	3.684559811	1.02249E-05	0.01940323	0.002549236	0.005218357	0.01
2084	0.007905961	0.027592008	0.00001	76.01138292	64.47012793	0.471965769	0.016742345	58.2656127	0.041462852	0.004719658	0.004719658	0.009120727	0.003395974	3.67957958	1.02111E-05	0.019377004	0.00254579	0.005211303	0.01
2085	0.00789526	0.027554663	0.00001	75.90850315	64.38286901	0.471326973	0.016719685	58.18675145	0.041406733	0.00471327	0.00471327	0.009108383	0.003391378	3.674599348	1.01973E-05	0.019350777	0.002542344	0.00520425	0.01
2086	0.00788456	0.027517317	0.00001	75.80562339	64.29561008	0.470688178	0.016697024	58.1078902	0.041350614	0.004706882	0.004706882	0.009096038	0.003386781	3.669619117	1.01835E-05	0.019324551	0.002538899	0.005197196	0.01
2087	0.007873859	0.027479972	0.00001	75.70274362	64.20835115	0.470049382	0.016674364	58.02902895	0.041294495	0.004700494	0.004700494	0.009083693	0.003382185	3.664638885	1.01697E-05	0.019298325	0.002535453	0.005190143	0.01
2088	0.007863159	0.027442627	0.00001	75.59986385	64.12109222	0.469410587	0.016651703	57.95016769	0.041238376	0.004694106	0.004694106	0.009071348	0.003377589	3.659658653	1.01558E-05	0.019272098	0.002532007	0.00518309	0.01
2089	0.007852458	0.027405282	0.00001	75.49698408	64.03383329	0.468771791	0.016629043	57.87130644	0.041182257	0.004687718	0.004687718	0.009059004	0.003372992	3.654678422	1.0142E-05	0.019245872	0.002528562	0.005176036	0.01
2090	0.007841758	0.027367937	0.00001	75.39410431	63.94657436	0.468132996	0.016606383	57.79244519	0.041126138	0.00468133	0.00468133	0.009046659	0.003368396	3.64969819	1.01282E-05	0.019219645	0.002525116	0.005168983	0.01
2091	0.007831057	0.027330592	0.00001	75.29122455	63.85931543	0.4674942	0.016583722	57.71358394	0.041070019	0.004674942	0.004674942	0.009034314	0.0033638	3.644717958	1.01144E-05	0.019193419	0.00252167	0.005161929	0.01
2092	0.007820356	0.027293246	0.00001	75.18834478	63.77205651	0.466855405	0.016561062	57.63472269	0.0410139	0.004668554	0.004668554	0.00902197	0.003359203	3.639737727	1.01005E-05	0.019167193	0.002518225	0.005154876	0.01
2093	0.007809656	0.027255901	0.00001	75.08546501	63.68479758	0.466216609	0.016538401	57.55586144	0.04095778	0.004662166	0.004662166	0.009009625	0.003354607	3.634757495	1.00867E-05	0.019140966	0.002514779	0.005147823	0.01
2094	0.007798955	0.027218556	0.00001	74.98258524	63.59753865	0.465577814	0.016515741	57.47700019	0.040901661	0.004655778	0.004655778	0.00899728	0.00335001	3.629777263	1.00729E-05	0.01911474	0.002511333	0.005140769	0.01
2095	0.007788255	0.027181211	0.00001	74.87970547	63.51027972	0.464939018	0.016493081	57.39813894	0.040845542	0.00464939	0.00464939	0.008984936	0.003345414	3.624797032	1.00591E-05	0.019088514	0.002507888	0.005133716	0.01
2096	0.007777554	0.027143866	0.00001	74.7768257	63.42302079	0.464300223	0.01647042	57.31927769	0.040789423	0.004643002	0.004643002	0.008972591	0.003340818	3.6198168	1.00453E-05	0.019062287	0.002504442	0.005126663	0.01
2097	0.007766854	0.02710652	0.00001	74.67394594	63.33576186	0.463661427	0.01644776	57.24041644	0.040733304	0.004636614	0.004636614	0.008960246	0.003336221	3.614836568	1.00314E-05	0.019036061	0.002500996	0.005119609	0.01
2098	0.007756153	0.027069175	0.00001	74.57106617	63.24850294	0.463022632	0.016425099	57.16155519	0.040677185	0.004630226	0.004630226	0.008947901	0.003331625	3.609856337	1.00176E-05	0.019009835	0.002497551	0.005112556	0.01
2099	0.007745453	0.02703183	0.00001	74.4681864	63.16124401	0.462383836	0.016402439	57.08269394	0.040621066	0.004623838	0.004623838	0.008935557	0.003327029	3.604876105	1.00038E-05	0.018983608	0.002494105	0.005105502	0.01
2100	0.007734752	0.026994485	0.00001	74.36530663	63.07398508	0.461745041	0.016379779	57.00383268	0.040564947	0.00461745	0.00461745	0.008923212	0.003322432	3.599895874	9.98998E-06	0.018957382	0.002490659	0.005098449	0.01
2101	0.007724052	0.02695714	0.00001	74.26242686	62.98672615	0.461106245	0.016357118	56.92497143	0.040508828	0.004611062	0.004611062	0.008910867	0.003317836	3.594915642	9.97616E-06	0.018931156	0.002487214	0.005091396	0.01
2102	0.007713351	0.026919794	0.00001	74.15954709	62.89946722	0.46046745	0.016334458	56.84611018	0.040452709	0.004604674	0.004604674	0.008898523	0.003313239	3.58993541	9.96234E-06	0.018904929	0.002483768	0.005084342	0.01
2103	0.00770265	0.026882449	0.00001	74.05666733	62.81220829	0.459828654	0.016311797	56.76724893	0.04039659	0.004598287	0.004598287	0.008886178	0.003308643	3.584955179	9.94852E-06	0.018878703	0.002480322	0.005077289	0.01
2104	0.00769195	0.026845104	0.00001	73.95378756	62.72494937	0.459189859	0.016289137	56.68838768	0.040340471	0.004591899	0.004591899	0.008873833	0.003304047	3.579974947	9.9347E-06	0.018852476	0.002476877	0.005070235	0.01
2105	0.007681249	0.026807759	0.00001	73.85090779	62.63769044	0.458551063	0.016266477	56.60952643	0.040284352	0.004585511	0.004585511	0.008861488	0.00329945	3.574994715	9.92088E-06	0.01882625	0.002473431	0.005063182	0.01
2106	0.007670549	0.026770414	0.00001	73.74802802	62.55043151	0.457912268	0.016243816	56.53066518	0.040228232	0.004579123	0.004579123	0.008849144	0.003294854	3.570014484	9.90706E-06	0.018800024	0.002469985	0.005056129	0.01
2107	0.007659848	0.026733069	0.00001	73.64514825	62.46317258	0.457273472	0.016221156	56.45180393	0.040172113	0.004572735	0.004572735	0.008836799	0.003290258	3.565034252	9.89324E-06	0.018773797	0.00246654	0.005049075	0.01
2108	0.007649148	0.026695723	0.00001	73.54226849	62.37591365	0.456634677	0.016198495	56.37294268	0.040115994	0.004566347	0.004566347	0.008824454	0.003285661	3.56005402	9.87942E-06	0.018747571	0.002463094	0.005042022	0.01
2109	0.007638447	0.026658378	0.00001	73.43938872	62.28865472	0.455995881	0.016175835	56.29408143	0.040059875	0.004559959	0.004559959	0.00881211	0.003281065	3.555073789	9.8656E-06	0.018721345	0.002459648	0.005034968	0.01
2110	0.007627747	0.026621033	0.00001	73.33650895	62.20139579	0.455357086	0.016153175	56.21522018	0.040003756	0.004553571	0.004553571	0.008799765	0.003276468	3.550093557	9.85178E-06	0.018695118	0.002456203	0.005027915	0.01
2111	0.007617046	0.026583688	0.00001	73.23362918	62.11413687	0.45471829	0.016130514	56.13635893	0.039947637	0.004547183	0.004547183	0.00878742	0.003271872	3.545113325	9.83796E-06	0.018668892	0.002452757	0.005020862	0.01
2112	0.007606346	0.026546343	0.00001	73.13074941	62.02687794	0.454079495	0.016107854	56.05749768	0.039891518	0.004540795	0.004540795	0.008775075	0.003267276	3.540133094	9.82414E-06	0.018642666	0.002449311	0.005013808	0.01
2113	0.007595645	0.026508997	0.00001	73.02786964	61.93961901	0.453440699	0.016085193	55.97863642	0.039835399	0.004534407	0.004534407	0.008762731	0.003262679	3.535152862	9.81032E-06	0.018616439	0.002445866	0.005006755	0.01
2114	0.007584944	0.026471652	0.00001	72.92498988	61.85236008	0.452801904	0.016062533	55.89977517	0.03977928	0.004528019	0.004528019	0.008750386	0.003258083	3.530172631	9.7965E-06	0.018590213	0.00244242	0.004999702	0.01
2115	0.007574244	0.026434307	0.00001	72.82211011	61.76510115	0.452163108	0.016039873	55.82091392	0.039723161	0.004521631	0.004521631	0.008738041	0.003253487	3.525192399	9.78268E-06	0.018563987	0.002438974	0.004992648	0.01
2116	0.007563543	0.026396962	0.00001	72.71923034	61.67784222	0.451524313	0.016017212	55.74205267	0.039667042	0.004515243	0.004515243	0.008725697	0.00324889	3.520212167	9.76886E-06	0.01853776	0.002435529	0.004985595	0.01
2117	0.007552843	0.026359617	0.00001	72.61635057	61.5905833	0.450885517	0.015994552	55.66319142	0.039610923	0.004508855	0.004508855	0.008713352	0.003244294	3.515231936	9.75503E-06	0.018511534	0.002432083	0.004978541	0.01
2118	0.007542142	0.026322271	0.00001	72.5134708	61.50332437	0.450246722	0.015971891	55.58433017	0.039554804	0.004502467	0.004502467	0.008701007	0.003239697	3.510251704	9.74121E-06	0.018485307	0.002428637	0.004971488	0.01
2119	0.007531442	0.026284926	0.00001	72.41059103	61.41606544	0.449607926	0.015949231	55.50546892	0.039498684	0.004496079	0.004496079	0.008688663	0.003235101	3.505271472	9.72739E-06	0.018459081	0.002425191	0.004964435	0.01
2120	0.007520741	0.026247581	0.00001	72.30771127	61.32880651	0.448969131	0.015926571	55.42660767	0.039442565	0.004489691	0.004489691	0.008676318	0.003230505	3.500291241	9.71357E-06	0.018432855	0.002421746	0.004957381	0.01

Appendix B-1: Source Term Inputs
TSF Source Terms

Parameter	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
TSF Infiltration	TSF Infiltration																		
2020	0.0111	0.0873	0.0000161	314	712	5.28	0.014	5380	0.115	0.0139	0.00133	0.00449	0.00721	5.15	0.000193	0.0234	0.00685	0.0159	0.00748
2021	0.0112	0.0876	0.000016	314	712	5.31	0.014	5380	0.115	0.0139	0.00132	0.00449	0.00722	5.13	0.000193	0.0234	0.00686	0.0159	0.00748
2022	0.0108	0.0848	0.0000159	311	712	5.17	0.0138	5250	0.117	0.0137	0.00132	0.00445	0.00707	5.13	0.000196	0.0234	0.00701	0.0155	0.00692
2023	0.0108	0.0852	0.0000157	310	712	5.18	0.0139	5220	0.115	0.0138	0.00133	0.0044	0.00709	5.13	0.000195	0.0233	0.00696	0.0156	0.0068
2024	0.0107	0.0853	0.0000154	308	712	5.16	0.0139	5150	0.115	0.0138	0.00133	0.0044	0.00709	5.18	0.000199	0.0237	0.00705	0.0156	0.00648
2025	0.0106	0.0847	0.0000155	307	712	5.11	0.0139	5090	0.116	0.0138	0.00134	0.0044	0.00707	5.21	0.000201	0.0238	0.0071	0.0155	0.00622
2026	0.0105	0.0838	0.0000154	305	712	5.1	0.0138	5030	0.117	0.0137	0.00135	0.00434	0.00704	5.2	0.000201	0.0236	0.00718	0.0154	0.00595
2027	0.0106	0.0825	0.0000158	305	712	5.27	0.0136	5020	0.125	0.0137	0.00133	0.00439	0.00701	5.17	0.000203	0.0235	0.0077	0.0155	0.00593
2028	0.0107	0.0814	0.0000161	305	712	5.46	0.0134	5030	0.134	0.0137	0.0013	0.00446	0.00697	5.13	0.000207	0.0234	0.00826	0.0156	0.00598
2029	0.011	0.0804	0.0000157	305	712	5.74	0.0131	5040	0.141	0.0137	0.00124	0.00442	0.00692	5.06	0.000209	0.023	0.00895	0.0158	0.00601
2030	0.0113	0.0791	0.0000154	305	712	6.02	0.0128	5030	0.149	0.0136	0.0012	0.00432	0.00687	4.96	0.000208	0.0224	0.00959	0.0159	0.00596
2031	0.0116	0.0785	0.000015	305	712	6.34	0.0125	5030	0.156	0.0136	0.00115	0.0042	0.00687	4.87	0.000206	0.0216	0.0102	0.0161	0.00597
2032	0.012	0.0782	0.0000147	305	712	6.62	0.0123	5040	0.162	0.0136	0.00112	0.00411	0.00688	4.79	0.000203	0.021	0.0107	0.0163	0.006
2033	0.0123	0.0781	0.0000144	306	712	6.82	0.0122	5050	0.165	0.0136	0.00108	0.00405	0.00688	4.73	0.000202	0.0207	0.011	0.0165	0.00604
2034	0.0124	0.0779	0.0000142	306	712	6.96	0.0121	5050	0.169	0.0136	0.00106	0.00402	0.00689	4.72	0.000204	0.0206	0.0114	0.0166	0.00605
2035	0.0125	0.0778	0.0000139	306	712	7.04	0.012	5050	0.17	0.0136	0.00104	0.004	0.00688	4.71	0.000205	0.0205	0.0116	0.0166	0.00607
2036	0.0127	0.0777	0.0000137	306	712	7.16	0.0119	5040	0.172	0.0136	0.00102	0.00397	0.00688	4.68	0.000205	0.0203	0.0118	0.0167	0.00602
2037	0.0128	0.0779	0.0000136	306	712	7.28	0.0119	5050	0.174	0.0136	0.001	0.00393	0.00689	4.64	0.000203	0.0201	0.0119	0.0168	0.00606
2038	0.0131	0.0781	0.0000134	305	712	7.42	0.0118	5030	0.176	0.0136	0.00098	0.0039	0.0069	4.59	0.000201	0.0198	0.0121	0.017	0.00596
2039	0.0133	0.078	0.0000133	304	712	7.58	0.0117	5000	0.179	0.0136	0.000957	0.00386	0.00691	4.54	0.0002	0.0194	0.0124	0.0171	0.00584
2040	0.0135	0.078	0.0000132	303	712	7.71	0.0116	4960	0.182	0.0136	0.00094	0.00382	0.00692	4.51	0.000199	0.0192	0.0126	0.0172	0.00566
2041	0.0135	0.0786	0.0000131	303	712	7.68	0.0117	4940	0.179	0.0136	0.000937	0.00383	0.00694	4.51	0.000198	0.0192	0.0125	0.0172	0.00557
2042	0.0134	0.0788	0.000013	302	712	7.63	0.0117	4900	0.177	0.0136	0.000946	0.00382	0.00694	4.53	0.000198	0.0193	0.0123	0.0172	0.00542
2043	0.0133	0.079	0.000013	301	712	7.51	0.0118	4870	0.175	0.0136	0.000967	0.00383	0.00695	4.57	0.000198	0.0195	0.0121	0.0171	0.00527
2044	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2045	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2046	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2047	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2048	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2049	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2050	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2051	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2052	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2053	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2054	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2055	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2056	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2057	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2058	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2059	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2060	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2061	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2062	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2063	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2064	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2065	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2066	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2067	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2068	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2069	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2070	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527

Appendix B-1: Source Term Inputs
TSF Source Terms

Parameter	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	Ra226
Unit	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**Bq/L**
2071	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2072	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2073	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2074	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2075	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2076	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2077	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2078	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2079	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2080	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2081	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2082	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2083	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2084	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2085	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2086	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2087	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2088	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2089	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2090	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2091	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2092	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2093	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2094	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2095	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2096	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2097	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2098	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2099	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2100	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2101	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2102	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2103	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2104	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2105	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2106	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2107	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2108	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2109	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2110	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2111	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2112	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2113	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2114	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2115	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2116	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2117	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2118	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2119	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527
2120	0.001415	0.064	0.000013	65.7	49.85	0.716	0.115	53.95	0.003185	0.1	0.0001	0.00262	0.00561	1.415	0.0004	0.00227	0.001	0.00515	0.00527

Notes: TDS = (0.22 x HCO3 as

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
WRSF1																					
2020	3999.687617	18.29254986	28.14352688	0.465181329	1799.511151	0.756335259	654.1918781	0	0	3.74984E-06	0.03657279	0.033028945	1.31	0.165647601	3.32257E-05	143.4298604	0.000261292	0.00904413	0.001314139	0.006798647	0.029132868
2021	3928.153006	18.29254986	28.14352688	0.465181329	1767.91548	0.756335259	642.7056303	0	0	4.54258E-06	0.036209056	0.032046745	1.31	0.157849888	3.211E-05	140.9115305	0.000257841	0.008577217	0.001333709	0.007246072	0.029783301
2022	3521.929734	18.29254986	28.14352688	0.465181329	1580.237319	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2023	3188.619156	15.98899519	24.59945275	0.406601709	1381.240291	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2024	2897.281903	13.97552387	21.5016788	0.355398936	1207.302674	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2025	2642.632334	12.21560611	18.79400311	0.310644056	1055.268773	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2026	2420.050422	10.67731229	16.42730115	0.271525094	922.3802843	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2027	2225.497932	9.332733603	14.35863458	0.237332327	806.2262528	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2028	2055.445159	8.157475793	12.55047224	0.207445406	704.6993325	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2029	1906.806888	7.13021652	10.9700092	0.181322102	615.9575523	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2030	1776.886423	6.23231854	9.588571613	0.158488469	538.3908977	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2031	1663.326656	5.447491569	8.381096488	0.138530242	470.592101	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2032	1564.067309	4.761496738	7.32567698	0.121085327	411.33111	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2033	1477.307549	4.161888256	6.403164943	0.105837225	359.532771	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2034	1401.473322	3.637787613	5.596823529	0.092509294	314.2573227	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2035	1335.188791	3.179686216	4.892023538	0.080859731	274.683347	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2036	1277.251376	2.779272873	4.275978002	0.07067718	240.0928655	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2037	1226.609937	2.429283011	3.737510201	0.061776904	209.858314	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2038	1182.345702	2.123366872	3.266850881	0.053997427	183.4311563	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2039	1143.655599	1.855974315	2.855461016	0.047197608	160.3319328	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2040	1109.837686	1.622254121	2.49587689	0.041254081	140.1415616	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2041	1080.278414	1.417965977	2.181574678	0.036059013	122.4937349	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2042	1054.441498	1.239403547	1.906852096	0.031518153	107.0682739	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2043	1031.858189	1.083327229	1.666724935	0.027549117	93.5853191	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007995541	0.001455925	0.008344683	0.029123161
2044	913.1163921	0.946905379	1.456836645	0.024079896	81.80025356	0.66109104	573.7406992	0	0	6.11017E-06	0.036652267	0.029711053	1.308320162	0.148540568	3.09464E-05	125.7911495	0.000256898	0.007985288	0.001454058	0.008333983	0.029085815
2045	901.4484082	0.827662937	1.273379288	0.021047549	71.49926449	0.57784079	573.0040358	0	0	6.10232E-06	0.036605207	0.029672905	1.306640324	0.148349847	3.09067E-05	125.629638	0.000256568	0.007975036	0.001452191	0.008323282	0.02904847
2046	891.1157317	0.723436526	1.113024453	0.018397061	62.49546425	0.505074125	572.2673725	0	0	6.09448E-06	0.036558147	0.029634757	1.304960486	0.148159126	3.08669E-05	125.4681265	0.000256239	0.007964783	0.001450324	0.008312582	0.029011125
2047	881.9502092	0.632335198	0.972862874	0.016080346	54.62549972	0.441470862	571.5307091	0	0	6.08663E-06	0.036511086	0.02959661	1.303280647	0.147968405	3.08272E-05	125.306615	0.000255909	0.00795453	0.001448457	0.008301881	0.02897378
2048	873.8048627	0.552706129	0.850351642	0.014055371	47.74658857	0.385877067	570.7940458	0	0	6.07879E-06	0.036464026	0.029558462	1.301600809	0.147777684	3.07875E-05	125.1451035	0.000255579	0.007944277	0.00144659	0.008291181	0.028936435
2049	866.5512229	0.483104636	0.743268074	0.012285398	41.73392888	0.337284119	570.0573824	0	0	6.07094E-06	0.036416966	0.029520314	1.299920971	0.147586963	3.07477E-05	124.983592	0.000255249	0.007934024	0.001444723	0.00828048	0.028899089
2050	860.0769985	0.422267959	0.649669388	0.010738315	36.47843484	0.294810412	569.3207191	0	0	6.0631E-06	0.036369906	0.029482166	1.298241133	0.147396242	3.0708E-05	124.8220805	0.000254919	0.007923771	0.001442856	0.008269779	0.028861744
2051	854.2840387	0.369092359	0.56785745	0.009386055	31.88475765	0.257685358	568.5840557	0	0	6.05525E-06	0.036322845	0.029444018	1.296561295	0.147205521	3.06683E-05	124.6605689	0.000254589	0.007913519	0.001440989	0.008259079	0.028824399
2052	849.0865529	0.322613085	0.496347972	0.008204082	27.86955567	0.225235409	567.8473924	0	0	6.04741E-06	0.036275785	0.02940587	1.294881457	0.1470148	3.06285E-05	124.4990574	0.000254259	0.007903266	0.001439122	0.008248378	0.028787054
2053	844.4095539	0.28198688	0.433843581	0.007170954	24.35998234	0.196871835	567.110729	0	0	6.03956E-06	0.036228725	0.029367722	1.293201619	0.146824079	3.05888E-05	124.3375459	0.00025393	0.007893013	0.001437255	0.008237678	0.028749709
2054	840.1874976	0.246476675	0.379210279	0.006267926	21.29236456	0.172080046	566.3740657	0	0	6.03172E-06	0.036181665	0.029329574	1.29152178	0.146633358	3.0549E-05	124.1760344	0.0002536	0.00788276	0.001435388	0.008226977	0.028712364
2055	836.3630936	0.21543822	0.33145687	0.005478615	18.61104751	0.150410252	565.6374023	0	0	6.02387E-06	0.036134604	0.029291426	1.289841942	0.146442637	3.05093E-05	124.0145229	0.00025327	0.007872507	0.001433521	0.008216277	0.028675018
2056	832.8862663	0.188308392	0.28971698	0.004788701	16.26738489	0.131469304	564.900739	0	0	6.01603E-06	0.036087544	0.029253278	1.288162104	0.146251916	3.04696E-05	123.8530114	0.00025294	0.007862254	0.001431654	0.008205576	0.028637673
2057	829.7132456	0.164594986	0.253233335	0.004185667	14.21885635	0.114913562	564.1640756	0	0	6.00818E-06	0.036040484	0.02921513	1.286482266	0.146061195	3.04298E-05	123.6914998	0.00025261	0.007852002	0.001429787	0.008194876	0.028600328
2058	826.8057738	0.143867774	0.221344023	0.003658572	12.42829608	0.100442662	563.4274123	0	0	6.00034E-06	0.035993424	0.029176982	1.284802428	0.145870474	3.03901E-05	123.5299883	0.00025228	0.007841749	0.00142792	0.008184175	0.028562983
2059	824.1304106	0.125750711	0.193470486	0.003197853	10.86321851	0.087794061	562.6907489	0	0	5.99249E-06	0.035946363	0.029138834	1.28312259	0.145679754	3.03504E-05	123.3684768	0.00025195	0.007831496	0.001426053	0.008173475	0.028525638
2060	821.6579269	0.109915103	0.169107024	0.002795152	9.495228921	0.07673828	561.9540856	0	0	5.98464E-06	0.035899303	0.029100686	1.281442751	0.145489033	3.03106E-05	123.2069653	0.000251621	0.007821243	0.001424186	0.008162774	0.028488292
2061	819.3627744	0.096073652	0.147811618	0.002443162	8.299508307	0.067074738	561.2174222	0	0	5.9768E-06	0.035852243	0.029062538	1.279762913	0.145298312	3.02709E-05	123.0454538	0.000251291	0.00781099	0.001422319	0.008152073	0.028450947
2062	817.222622	0.083975234	0.129197912	0.002135498	7.254363082	0.058628112	560.4807589	0	0	5.96895E-06	0.035805183	0.02902439	1.278083075	0.145107591	3.02312E-05	122.8839423	0.000250961	0.007800737	0.001420452	0.008141373	0.028413602
2063	815.2179507	0.073400353	0.112928204	0.001866578	6.340831503	0.051245158	559.7440955	0	0	5.96111E-06	0.035758122	0.028986242	1.276403237	0.14491687	3.01914E-05	122.7224308	0.000250631	0.007790485	0.001418585	0.008130672	0.028376257
2064	813.3316998	0.064157151	0.098707316	0.001631523	5.54233965	0.044791928	559.0074322	0	0	5.95326E-06	0.035711062	0.028948094	1.274723399	0.144726149	3.01517E-05	122.5609192	0.000250301	0.007780232	0.001416718	0.008119972	0.028338912
2065	811.5489565	0.056077933	0.086277245	0.001426067	4.844400736	0.039151345	558.2707688	0	0	5.94542E-06	0.035664002	0.028909946	1.273043561	0.144535428	3.0112E-05	122.3994077	0.000249971	0.007769979	0.001414852	0.008109271	0.028301566
2066	809.8566864	0.049016119	0.075412475	0.001246485	4.234352271	0.034221072	557.5341055	0	0	5.93757E-06	0.035616942	0.028871798	1.271363723	0.144344707	3.00722E-05	122.2378962	0.000249642	0.007759726	0.001412985	0.008098571	0.028264221
2067	808.2434963	0.042843589	0.06591589	0.001089517	3.701126339	0.029911661	556.7974421	0	0	5.92973E-06	0.035569881	0.02883365	1.269683884	0.144153986	3.00325E-05	122.0763847	0.000249312	0.007749473	0.001411118	0.00808787	0.028226876
2068	806.6994278	0.037448357	0.057615196	0.000952315	3.235048786	0.026144928	556.0607788	0	0	5.92188E-06	0.035522821	0.028795502	1.268004046	0.143963265	2.99928E-05	121.9148732	0.000248982	0.00773922	0.001409251	0.00807717	0.028189531
2069	805.2157765	0.032732539	0.050359796	0.000832392	2.827663714	0.022852535	555.3241154	0	0	5.91404E-06	0.035475761	0.028757354	1.266324208	0.143772544	2.9953E-05	121.7533617	0.000248652	0.007728968	0.001407384	0.008066469	0.028152186
2070	803.7849341	0.028610577	0.044018059	0.00072757	2.471580062	0.019974748	554.5874521	0	0	5.90619E-06	0.035428701	0.028719206	1.26464437	0.143581823	2.99133E-05	121.5918502	0.000248322	0.007718715	0.001405517	0.008055769	0.02811484
2071	802.4002505	0.025007688	0.038474928	0.000635948	2.160337516	0.017459356	553.8507887	0	0	5.89835E-06	0.03538164	0.028681058	1.262964532	0.143391102	2.98736E-05	121.4303386	0.000247992	0.007708462	0.00140365	0.008045068	0.028077495
2072	801.0559129	0.021858506	0.033629835	0.000555864	1.888289299	0.015260725	553.1141254	0	0	5.8905E-06	0.03533458	0.02864291	1.261284694	0.143200381	2.98338E-05	121.2688271	0.000247662	0.007698209	0.001401783	0.008034367	0.02804015
2073	799.7468407	0.019105895	0.029394878	0.000485865	1.650499725	0.013338963	552.377462	0	0	5.88266E-06	0.03528752	0.028604762	1.259604856	0.14300966	2.97941E-05	121.1073156	0.000247333	0.007687956	0.001399916	0.008023667	0.02800285
2074	798.468593	0.016699917	0.025693223	0.000424681	1.442654652	0.011659207	551.6407987	0	0	5.87481E-06	0.03524046	0.028566614	1.257925017	0.142818939	2.97544E-05	120.9458041	0.000247003	0.007677703	0.001398049	0.008012966	0.02796546
2075	797.217288	0.01459692	0.022457712	0.000371201	1.260983213	0.010190979	550.9041353	0	0	5.86697E-06	0.035193399	0.028528466	1.256245179	0.142628218	2.97146E-05	120.7842926	0.000246673	0.007667451	0.001396182	0.008002266	0.027928115
2076	795.9895329	0.012758751	0.019629645	0.000324456	1.102189398	0.008907644	550.167472	0	0	5.85912E-06	0.035146339	0.028490318	1.254565341	0.142437497	2.96749E-05	120.6227811	0.000246343	0.007657198	0.001394315	0.007991565	0.027890769
2077	794.7823621	0.01115206	0.017157711	0.000283598	0.963392262	0.007785917	549.4308086	0	0	5.85128E-06	0.035099279	0.02845217	1.252885503	0.142246776	2.96352E-05	120.4612695	0.000246013	0.007646945	0.001392448	0.007980865	0.027853424
2078	793.5931834	0.009747697	0.014997065	0.000247885	0.842073651	0.006805448	548.6941453	0	0	5.84343E-06	0.035052219	0.028414022	1.251205665	0.142056055	2.95954E-05	120.299758	0.000245683	0.007636692	0.001390581	0.007970164	0.027816079
2079	792.4197312	0.008520183	0.013108506	0.000216669	0.736032519	0.005948447	547.9574819	0	0	5.83558E-06	0.035005158	0.028375874	1.249525827	0.141865334	2.95557E-05	120.1382465	0.000245354	0.007626439	0.001388714	0.007959464	0.027778734
2080	791.2600249	0.007447249	0.011457771	0.000189384	0.643344995	0.005199368	547.2208186	0	0	5.82774E-06	0.034958098	0.028337726	1.247845989	0.141674613	2.9516E-05	119.976735	0.000245024	0.007616186	0.001386847	0.007948763	0.027741389
2081	790.1123337	0.006509427	0.01001491	0.000165535	0.562329479	0.004544619	546.4841552	0	0	5.81989E-06	0.034911038	0.028299578	1.24616615	0.141483892	2.94762E-05	119.8152235	0.000244694	0.007605934	0.00138498	0.007938062	0.027704043
2082	788.9751444	0.005689704	0.008753747	0.00014469	0.491516131	0.003972322	545.7474919	0	0	5.81205E-06	0.034863978	0.02826143	1.244486312	0.141293171	2.94365E-05	119.653712	0.000244364	0.007595681	0.001383113	0.007927362	0.027666698
2083	787.8471346	0.004973208	0.0076514	0.000126469	0.429620207	0.003472093	545.0108285	0	0	5.8042E-06	0.034816917	0.028223283	1.242806474	0.14110245	2.93968E-05	119.4922005	0.000244034	0.007585428	0.001381246	0.007916661	0.027629353
2084	786.7271483	0.004346939	0.00668787	0.000110543	0.375518748	0.003034857	544.2741652	0	0	5.79636E-06	0.034769857	0.028185135	1.241126636	0.140911729	2.9357E-05	119.3306889	0.000243704	0.007575175	0.001379379	0.007905961	0.027592008
2085	785.6141751	0.003799535	0.005845676	9.66226E-05	0.328230208	0.002652682	543.5375018	0	0	5.78851E-06	0.034722797	0.028146987	1.239446798	0.140721008	2.93173E-05	119.1691774	0.000243374	0.007564922	0.001377512	0.00789526	0.027554663
2086	784.5073319	0.003321065	0.005109539	8.4455E-05	0.286896647	0.002318633	542.8008385	0	0	5.78067E-06	0.034675737	0.028108839	1.23776696	0.140530287	2.92776E-05	119.0076659	0.000243045	0.007554669	0.001375645	0.00788456	0.027517317
2087	783.4058467	0.002902848	0.004466102	7.38197E-05	0.250768162	0.002026651	542.0641751	0	0	5.77282E-06	0.034628676	0.028070691	1.236087122	0.140339566	2.92378E-05	118.8461544	0.000242715	0.007544417	0.001373778	0.007873859	0.027479972
2088	782.3090449	0.002537297	0.003903692	6.45237E-05	0.219189286	0.001771438	541.3275118	0	0	5.76498E-06	0.034581616	0.028032543	1.234407283	0.140148845	2.91981E-05	118.6846429	0.000242385	0.007534164	0.001371911	0.007863159	0.027442627
2089	781.2163365	0.002217779	0.003412106	5.63983E-05	0.191587092	0.001548363	540.5908484	0	0	5.75713E-06	0.034534556	0.027994395	1.232727445	0.139958124	2.91584E-05	118.5231314	0.000242055	0.007523911	0.001370044	0.007852458	0.027405282
2090	780.1272062	0.001938497	0.002982424	4.92962E-05	0.167460803	0.00135338	539.8541851	0	0	5.74929E-06	0.034487496	0.027956247	1.231047607	0.139767403	2.91186E-05	118.3616198	0.000241725	0.007513658	0.001368177	0.007841758	0.027367937
2091	779.0412034	0.001694385	0.002606852	4.30884E-05	0.146372704	0.001182951	539.1175217	0	0	5.74144E-06	0.034440435	0.027918099	1.229367769	0.139576682	2.90789E-05	118.2001083	0.000241395	0.007503405	0.001366311	0.007831057	0.027330592
2092	777.9579342	0.001481013	0.002278574	3.76623E-05	0.127940198	0.001033984	538.3808584	0	0	5.7336E-06	0.034393375	0.027879951	1.227687931	0.139385961	2.90392E-05	118.0385968	0.000241065	0.007493152	0.001364444	0.007820356	0.027293246
2093	776.8770544	0.001294511	0.001991637	3.29196E-05	0.111828872	0.000903776	537.644195	0	0	5.72575E-06	0.034346315	0.027841803	1.226008093	0.13919524	2.89994E-05	117.8770853	0.000240736	0.0074829	0.001362577	0.007809656	0.027255901

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2094	775.7982631	0.001131495	0.001740833	2.8774E-05	0.097746422	0.000789964	536.9075317	0	0	5.71791E-06	0.034299254	0.027803655	1.224328254	0.139004519	2.89597E-05	117.7155738	0.000240406	0.007472647	0.00136071	0.007798955	0.027218556
2095	774.7212972	0.000989008	0.001521612	2.51506E-05	0.085437354	0.000690485	536.1708683	0	0	5.71006E-06	0.034252194	0.027765507	1.222648416	0.138813798	2.892E-05	117.5540623	0.000240076	0.007462394	0.001358843	0.007788255	0.027181211
2096	773.645927	0.000864463	0.001329998	2.19834E-05	0.07467835	0.000603533	535.434205	0	0	5.70222E-06	0.034205134	0.027727359	1.220968578	0.138623077	2.88802E-05	117.3925508	0.000239746	0.007452141	0.001356976	0.007777554	0.027143866
2097	772.5719515	0.000755603	0.001162513	1.92151E-05	0.065274212	0.000527531	534.6975416	0	0	5.69437E-06	0.034158074	0.027689211	1.21928874	0.138432356	2.88405E-05	117.2310392	0.000239416	0.007441888	0.001355109	0.007766854	0.02710652
2098	771.499195	0.000660451	0.001016119	1.67953E-05	0.057054324	0.0004611	533.9608783	0	0	5.68653E-06	0.034111013	0.027651063	1.217608902	0.138241635	2.88007E-05	117.0695277	0.000239086	0.007431635	0.001353242	0.007756153	0.027069175
2099	770.4275041	0.000577281	0.000888161	1.46803E-05	0.049869555	0.000403034	533.2242149	0	0	5.67868E-06	0.034063953	0.027612915	1.215929064	0.138050914	2.8761E-05	116.9080162	0.000238757	0.007421382	0.001351375	0.007745453	0.02703183
2100	769.3567445	0.000504585	0.000776316	1.28316E-05	0.043589553	0.000352281	532.4875516	0	0	5.67083E-06	0.034016893	0.027574767	1.214249226	0.137860193	2.87213E-05	116.7465047	0.000238427	0.00741113	0.001349508	0.007734752	0.026994485
2101	768.286799	0.000441043	0.000678556	1.12158E-05	0.038100383	0.000307919	531.7508882	0	0	5.66299E-06	0.033969833	0.027536619	1.212569387	0.137669472	2.86815E-05	116.5849932	0.000238097	0.007400877	0.001347641	0.007724052	0.02695714
2102	767.217565	0.000385503	0.000593106	9.80339E-06	0.033302456	0.000269143	531.0142249	0	0	5.65514E-06	0.033922772	0.027498471	1.210889549	0.137478751	2.86418E-05	116.4234817	0.000237767	0.007390624	0.001345774	0.007713351	0.026919794
2103	766.148953	0.000336957	0.000518417	8.56886E-06	0.029108725	0.00023525	530.2775615	0	0	5.6473E-06	0.033875712	0.027460323	1.209209711	0.13728803	2.86021E-05	116.2619702	0.000237437	0.007380371	0.001343907	0.00770265	0.026882449
2104	765.0808846	0.000294525	0.000453134	7.4898E-06	0.025443105	0.000205625	529.5408982	0	0	5.63945E-06	0.033828652	0.027422175	1.207529873	0.137097309	2.85623E-05	116.1004586	0.000237107	0.007370118	0.00134204	0.00769195	0.026845104
2105	764.0132914	0.000257436	0.000396071	6.54662E-06	0.022239091	0.000179731	528.8042348	0	0	5.63161E-06	0.033781592	0.027384027	1.205850035	0.136906588	2.85226E-05	115.9389471	0.000236777	0.007359865	0.001340173	0.007681249	0.026807759
2106	762.9461135	0.000225017	0.000346195	5.72221E-06	0.019438554	0.000157098	528.0675715	0	0	5.62376E-06	0.033734531	0.027345879	1.204170197	0.136715867	2.84829E-05	115.7774356	0.000236448	0.007349613	0.001338306	0.007670549	0.026770414
2107	761.8792987	0.000196681	0.000302599	5.00162E-06	0.016990685	0.000137315	527.3309081	0	0	5.61592E-06	0.033687471	0.027307731	1.202490359	0.136525146	2.84431E-05	115.6159241	0.000236118	0.00733936	0.001336439	0.007659848	0.026733069
2108	760.8128012	0.000171913	0.000264493	4.37177E-06	0.014851072	0.000120023	526.5942448	0	0	5.60807E-06	0.033640411	0.027269583	1.20081052	0.136334425	2.84034E-05	115.4544126	0.000235788	0.007329107	0.001334572	0.007649148	0.026695723
2109	759.746581	0.000150265	0.000231186	3.82124E-06	0.012980898	0.000104909	525.8575814	0	0	5.60023E-06	0.033593351	0.027231435	1.199130682	0.136143704	2.83637E-05	115.2929011	0.000235458	0.007318854	0.001332705	0.007638447	0.026658378
2110	758.6806033	0.000131342	0.000202073	3.34004E-06	0.011346232	9.16977E-05	525.1209181	0	0	5.59238E-06	0.03354629	0.027193287	1.197450844	0.135952983	2.83239E-05	115.1313895	0.000235128	0.007308601	0.001330838	0.007627747	0.026621033
2111	757.6148374	0.000114802	0.000176626	2.91943E-06	0.009917417	8.01503E-05	524.3842547	0	0	5.58454E-06	0.03349923	0.027155139	1.195771006	0.135762262	2.82842E-05	114.969878	0.000234798	0.007298348	0.001328971	0.007617046	0.026583688
2112	756.5492568	0.000100345	0.000154384	2.55179E-06	0.008668531	7.00571E-05	523.6475914	0	0	5.57669E-06	0.03345217	0.027116991	1.194091168	0.135571541	2.82445E-05	114.8083665	0.000234469	0.007288096	0.001327104	0.007606346	0.026546343
2113	755.483838	8.7709E-05	0.000134942	2.23045E-06	0.007576915	6.12349E-05	522.910928	0	0	5.56885E-06	0.03340511	0.027078843	1.19241133	0.13538082	2.82047E-05	114.646855	0.000234139	0.007277843	0.001325237	0.007595645	0.026508997
2114	754.4185608	7.6664E-05	0.000117949	1.94957E-06	0.006622765	5.35237E-05	522.1742647	0	0	5.561E-06	0.033358049	0.027040695	1.190731492	0.135190099	2.8165E-05	114.4853435	0.000233809	0.00726759	0.00132337	0.007584944	0.026471652
2115	753.3534073	6.70098E-05	0.000103096	1.70407E-06	0.00578877	4.67835E-05	521.4376013	0	0	5.55316E-06	0.033310989	0.027002547	1.189051653	0.134999378	2.81253E-05	114.323832	0.000233479	0.007257337	0.001321503	0.007574244	0.026434307
2116	752.2883618	5.85713E-05	9.01134E-05	1.48947E-06	0.005059798	4.08921E-05	520.700938	0	0	5.54531E-06	0.033263929	0.026964399	1.187371815	0.134808657	2.80855E-05	114.1623205	0.000233149	0.007247084	0.001319637	0.007563543	0.026396962
2117	751.2234109	5.11955E-05	7.87656E-05	1.30191E-06	0.004422625	3.57427E-05	519.9642746	0	0	5.53747E-06	0.033216869	0.026926251	1.185691977	0.134617936	2.80458E-05	114.0008089	0.000232819	0.007236831	0.00131777	0.007552843	0.026359617
2118	750.1585425	4.47486E-05	6.88467E-05	1.13796E-06	0.00386569	3.12416E-05	519.2276113	0	0	5.52962E-06	0.033169808	0.026888103	1.184012139	0.134427215	2.80061E-05	113.8392974	0.000232489	0.007226579	0.001315903	0.007542142	0.026322271
2119	749.0937464	3.91134E-05	6.0177E-05	9.94658E-07	0.003378889	2.73074E-05	518.4909479	0	0	5.52178E-06	0.033122748	0.026849956	1.182332301	0.134236494	2.79663E-05	113.6777859	0.00023216	0.007216326	0.001314036	0.007531442	0.026284926
2120	748.0290133	3.41879E-05	5.2599E-05	8.69402E-07	0.002953391	2.38686E-05	517.7542846	0	0	5.51393E-06	0.033075688	0.026811808	1.180652463	0.134045773	2.79266E-05	113.5162744	0.00023183	0.007206073	0.001312169	0.007520741	0.026247581
WRSF3																					
2020	4348.256229	18.29254986	28.14352688	0.465181329	1961.020337	0.756335259	712.9067119	0	0	5.86722E-06	0.032128453	0.058914773	1.31	0.141082897	2.80227E-05	156.3029343	0.000201099	0.011230335	0.001069622	0.008373956	0.027304062
2021	3935.483229	15.98899519	24.59945275	0.406601709	1714.071848	0.756335259	712.9067119	0	0	5.86722E-06	0.032128453	0.058914773	1.31	0.141082897	2.80227E-05	156.3029343	0.000201099	0.011230335	0.001069622	0.008373956	0.027304062
2022	3521.929734	18.29254986	28.14352688	0.465181329	1580.237319	0.756335259	574.4773625	0	0	6.11801E-06	0.036699327	0.029749201	1.31	0.148731289	3.09861E-05	125.9526611	0.000257228	0.007968033	0.001455925	0.008344683	0.029123161
2023	3274.925003	18.29254986	28.14352688	0.465181329	1471.327986	0.756335259	534.8846091	0	0	8.98308E-06	0.035448695	0.026581807	1.31	0.120962477	2.7068E-05	117.2720533	0.000244646	0.006216727	0.001514246	0.00994547	0.031649589
2024	3172.806532	18.29254986	28.14352688	0.465181329	1421.289681	0.756335259	516.6937507	0	0	8.19232E-06	0.036230038	0.02668813	1.31	0.130928592	2.8486E-05	113.2837551	0.000250716	0.00691417	0.001567181	0.009642435	0.029491928
2025	3788.870829	18.29254986	28.14352688	0.465181329	1708.032828	0.756335259	620.9359709	0	0	6.57151E-06	0.034753623	0.030697401	1.31	0.136228753	2.90613E-05	136.1385896	0.000242001	0.006893846	0.001280824	0.008138958	0.032342727
2026	3420.628522	18.29254986	28.14352688	0.465181329	1539.707814	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2027	3095.775707	15.98899519	24.59945275	0.406601709	1345.814609	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2028	2811.831144	13.97552387	21.5016788	0.355398936	1176.338098	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2029	2563.643313	12.21560611	18.79400311	0.310644056	1028.203522	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2030	2346.709421	10.67731229	16.42730115	0.271525094	898.723321	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2031	2157.093705	9.332733603	14.35863458	0.237332327	785.5483771	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2032	1991.356025	8.157475793	12.55047224	0.207445406	686.6253922	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2033	1846.489454	7.13021652	10.9700092	0.181322102	600.1596374	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2034	1719.865723	6.23231854	9.588571613	0.158488469	524.5823917	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2035	1609.187538	5.447491569	8.381096488	0.138530242	458.5224805	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2036	1512.446899	4.761496738	7.32567698	0.121085327	400.7813995	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2037	1427.88867	4.161888256	6.403164943	0.105837225	350.3115704	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2038	1353.978738	3.637787613	5.596823529	0.092509294	306.1973348	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2039	1289.376178	3.179686216	4.892023538	0.080859731	267.6383419	0.756335259	559.7433205	0	0	8.93681E-06	0.035080671	0.02685836	1.31	0.119921008	2.68511E-05	122.7222608	0.000242435	0.006119016	0.00147162	0.0097891	0.032712248
2040	2723.503655	18.29254986	28.14352688	0.465181329	1236.776443	0.756335259	449.6160547	0	0	1.98644E-05	0.031380395	0.014316958	1.31	0.021651333	1.31404E-05	98.57714549	0.00020643	0.000331421	0.001949731	0.016364941	0.041958928
2041	3166.471655	18.29254986	28.14352688	0.465181329	1433.667377	0.756335259	521.1935215	0	0	1.47372E-05	0.032447953	0.021104393	1.31	0.066217079	1.92989E-05	114.2703181	0.00021475	0.00255261	0.001589754	0.01290979	0.039122182
2042	4403.598546	18.29254986	28.14352688	0.465181329	1992.838741	0.756335259	724.4739318	0	0	4.3197E-06	0.033238046	0.038214526	1.31	0.148316043	3.08585E-05	158.839017	0.000224162	0.006380587	0.000765646	0.005805515	0.03575548
2043	4037.749268	18.29254986	28.14352688	0.465181329	1818.792935	0.756335259	661.2015521	0	0	3.07342E-06	0.034054624	0.04458602	1.31	0.161545997	3.3489E-05	144.9667131	0.000217724	0.005925668	0.000506716	0.004808552	0.033593077
2044	3707.371964	15.98899519	24.59945275	0.406601709	1589.754939	0.66109104	660.3536807	0	0	3.06948E-06	0.034010955	0.044528847	1.308320162	0.161338844	3.34461E-05	144.7808195	0.000217445	0.00591807	0.000506066	0.004802386	0.03355
2045	3499.398318	13.97552387	21.5016788	0.355398936	1389.55937	0.57784079	659.5058092	0	0	3.06554E-06	0.033967286	0.044471673	1.306640324	0.16113169	3.34031E-05	144.5949259	0.000217165	0.005910471	0.000505416	0.00479622	0.033506923
2046	3317.278664	12.21560611	18.79400311	0.310644056	1214.574144	0.505074125	658.6579378	0	0	3.0616E-06	0.033923617	0.0444145	1.304960486	0.160924537	3.33602E-05	144.4090323	0.000216886	0.005902873	0.000504766	0.004790054	0.033463846
2047	3157.757248	10.67731229	16.42730115	0.271525094	1061.624557	0.441470862	657.8100663	0	0	3.05765E-06	0.033879949	0.044357326	1.303280647	0.160717383	3.33173E-05	144.2231387	0.000216607	0.005895274	0.000504116	0.004783888	0.033420769
2048	3017.988306	9.332733603	14.35863458	0.237332327	927.9356933	0.385877067	656.9621949	0	0	3.05371E-06	0.03383628	0.044300153	1.301600809	0.16051023	3.32743E-05	144.0372451	0.000216328	0.005887675	0.000503467	0.004777722	0.033377692
2049	2895.484436	8.157475793	12.55047224	0.207445406	811.082077	0.337284119	656.1143234	0	0	3.04977E-06	0.033792611	0.044242979	1.299920971	0.160303076	3.32314E-05	143.8513515	0.000216049	0.005880077	0.000502817	0.004771556	0.033334614
2050	2788.071473	7.13021652	10.9700092	0.181322102	708.9436698	0.294810412	655.266452	0	0	3.04583E-06	0.033748942	0.044185806	1.298241133	0.160095923	3.31884E-05	143.6654579	0.000215769	0.005872478	0.000502167	0.00476539	0.033291537
2051	2693.849041	6.23231854	9.588571613	0.158488469	619.6674062	0.257685358	654.4185806	0	0	3.04189E-06	0.033705273	0.044128632	1.296561295	0.159888769	3.31455E-05	143.4795643	0.00021549	0.00586488	0.000501517	0.004759224	0.03324846
2052	2611.156074	5.447491569	8.381096488	0.138530242	541.633575	0.225235409	653.5707091	0	0	3.03795E-06	0.033661604	0.044071459	1.294881457	0.159681615	3.31025E-05	143.2936707	0.000215211	0.005857281	0.000500868	0.004753058	0.033205383
2053	2538.540684	4.761496738	7.32567698	0.121085327	473.4264327	0.196871835	652.7228377	0	0	3.03401E-06	0.033617935	0.044014285	1.293201619	0.159474462	3.30596E-05	143.1077771	0.000214932	0.005849682	0.000500218	0.004746891	0.033162306
2054	2474.733816	4.161888256	6.403164943	0.105837225	413.8085183	0.172080046	651.8749662	0	0	3.03007E-06	0.033574266	0.043957112	1.29152178	0.159267308	3.30167E-05	142.9218835	0.000214653	0.005842084	0.000499568	0.004740725	0.033119229
2055	2418.626225	3.637787613	5.596823529	0.092509294	361.6982028	0.150410252	651.0270948	0	0	3.02613E-06	0.033530597	0.043899938	1.289841942	0.159060155	3.29737E-05	142.7359899	0.000214374	0.005834485	0.000498918	0.004734559	0.033076152
2056	2369.248352	3.179686216	4.892023538	0.080859731	316.1500648	0.131469304	650.1792233	0	0	3.02218E-06	0.033486929	0.043842765	1.288162104	0.158853001	3.29308E-05	142.5500963	0.000214094	0.005826887	0.000498269	0.004728393	0.033033075
2057	2325.752734	2.779272873	4.275978002	0.07067718	276.3377388	0.114913562	649.3313519	0	0	3.01824E-06	0.03344326	0.043785591	1.286482266	0.158645848	3.28878E-05	142.3642027	0.000213815	0.005819288	0.000497619	0.004722227	0.032989998
2058	2287.398626	2.429283011	3.737510201	0.061776904	241.5389221	0.100442662	648.4834805	0	0	3.0143E-06	0.033399591	0.043728418	1.284802428	0.158438694	3.28449E-05	142.1783091	0.000213536	0.005811689	0.000496969	0.004716061	0.032946921
2059	2253.538566	2.123366872	3.266850881	0.053997427	211.1222707	0.087794061	647.635609	0	0	3.01036E-06	0.033355922	0.043671244	1.28312259	0.158231541	3.28019E-05	141.9924155	0.000213257	0.005804091	0.000496319	0.004709895	0.032903844
2060	2223.606624	1.855974315	2.855461016	0.047197608	184.5359448	0.07673828	646.7877376	0	0	3.00642E-06	0.033312253	0.043614071	1.281442751	0.158024387	3.2759E-05	141.8065219	0.000212978	0.005796492	0.000495669	0.004703729	0.032860767
2061	2197.108139	1.622254121	2.49587689	0.041254081	161.2975969	0.067074738	645.9398661	0	0	3.00248E-06	0.033268584	0.043556897	1.279762913	0.157817234	3.27161E-05	141.6206283	0.000212698	0.005788894	0.00049502	0.004697563	0.03281769
2062	2173.610739	1.417965977	2.181574678	0.036059013	140.9856209	0.058628112	645.0919947	0	0	2.99854E-06	0.033224915	0.043499724	1.278083075	0.15761008	3.26731E-05	141.4347347	0.000212419	0.005781295	0.00049437	0.004691397	0.032774613
2063	2152.736503	1.239403547	1.906852096	0.031518153	123.2315031	0.051245158	644.2441232	0	0	2.9946E-06	0.033181246	0.04344255	1.276403237	0.157402927	3.26302E-05	141.2488411	0.00021214	0.005773696	0.00049372	0.004685231	0.032731536
2064	2134.155099	1.083327229	1.666724935	0.027549117	107.7131359	0.044791928	643.3962518	0	0	2.99066E-06	0.033137577	0.043385377	1.274723399	0.157195773	3.25872E-05	141.0629475	0.000211861	0.005766098	0.00049307	0.004679064	0.032688459
2065	2117.577794	0.946905379	1.456836645	0.024079896	94.1489746	0.039151345	642.5483804	0	0	2.98671E-06	0.033093908	0.043328203	1.273043561	0.15698862	3.25443E-05	140.8770539	0.000211582	0.005758499	0.000492421	0.004672898	0.032645382
2066	2102.752215	0.827662937	1.273379288	0.021047549	82.29292873	0.034221072	641.7005089	0	0	2.98277E-06	0.03305024	0.04327103	1.271363723	0.156781466	3.25013E-05	140.6911603	0.000211302	0.005750901	0.000491771	0.004666732	0.032602305

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2067	2089.457769	0.723436526	1.113024453	0.018397061	71.92989778	0.029911661	640.8526375	0	0	2.97883E-06	0.033006571	0.043213856	1.269683884	0.156574312	3.24584E-05	140.5052667	0.000211023	0.005743302	0.000491121	0.004660566	0.032559228
2068	2077.501644	0.632335198	0.972862874	0.016080346	62.87186851	0.026144928	640.004766	0	0	2.97489E-06	0.032962902	0.043156682	1.268004046	0.156367159	3.24154E-05	140.3193731	0.000210744	0.005735703	0.000490471	0.0046544	0.032516151
2069	2066.715306	0.552706129	0.850351642	0.014055371	54.95450392	0.022852535	639.1568946	0	0	2.97095E-06	0.032919233	0.043099509	1.266324208	0.156160005	3.23725E-05	140.1334795	0.000210465	0.005728105	0.000489822	0.004648234	0.032473074
2070	2056.951445	0.483104636	0.743268074	0.012285398	48.03416175	0.019974748	638.3090231	0	0	2.96701E-06	0.032875564	0.043042335	1.26464437	0.155952852	3.23296E-05	139.9475859	0.000210186	0.005720506	0.000489172	0.004642068	0.032429996
2071	2048.081303	0.422267959	0.649669388	0.010738315	41.98528838	0.017459356	637.4611517	0	0	2.96307E-06	0.032831895	0.042985162	1.262964532	0.155745698	3.22866E-05	139.7616923	0.000209906	0.005712908	0.000488522	0.004635902	0.032386919
2072	2039.992335	0.369092359	0.56785745	0.009386055	36.69814099	0.015260725	636.6132803	0	0	2.95913E-06	0.032788226	0.042927988	1.261284694	0.155538545	3.22437E-05	139.5757987	0.000209627	0.005705309	0.000487872	0.004629736	0.032343842
2073	2032.586168	0.322613085	0.496347972	0.008204082	32.07679652	0.013338963	635.7654088	0	0	2.95519E-06	0.032744557	0.042870815	1.259604856	0.155331391	3.22007E-05	139.3899051	0.000209348	0.00569771	0.000487222	0.00462357	0.032300765
2074	2025.776819	0.28198688	0.433843581	0.007170954	28.03741136	0.011659207	634.9175374	0	0	2.95124E-06	0.032700888	0.042813641	1.257925017	0.155124238	3.21578E-05	139.2040115	0.000209069	0.005690112	0.000486573	0.004617403	0.032257688
2075	2019.489131	0.246476675	0.379210279	0.006267926	24.5067002	0.010190979	634.0696659	0	0	2.9473E-06	0.032657219	0.042756468	1.256245179	0.154917084	3.21148E-05	139.0181179	0.00020879	0.005682513	0.000485923	0.004611237	0.032214611
2076	2013.657412	0.21543822	0.33145687	0.005478615	21.42060646	0.008907644	633.2217945	0	0	2.94336E-06	0.032613551	0.042699294	1.254565341	0.154709931	3.20719E-05	138.8322243	0.000208511	0.005674915	0.000485273	0.004605071	0.032171534
2077	2008.224243	0.188308392	0.28971698	0.004788701	18.72314009	0.007785917	632.373923	0	0	2.93942E-06	0.032569882	0.042642121	1.252885503	0.154502777	3.2029E-05	138.6463307	0.000208231	0.005667316	0.000484623	0.004598905	0.032128457
2078	2003.139434	0.164594986	0.253233335	0.004185667	16.3653618	0.006805448	631.5260516	0	0	2.93548E-06	0.032526213	0.042584947	1.251205665	0.154295624	3.1986E-05	138.4604371	0.000207952	0.005659717	0.000483974	0.004592739	0.03208538
2079	1998.359118	0.143867774	0.221344023	0.003658572	14.30449517	0.005948447	630.6781802	0	0	2.93154E-06	0.032482544	0.042527774	1.249525827	0.15408847	3.19431E-05	138.2745435	0.000207673	0.005652119	0.000483324	0.004586573	0.032042303
2080	1993.844949	0.125750711	0.193470486	0.003197853	12.50315053	0.005199368	629.8303087	0	0	2.9276E-06	0.032438875	0.0424706	1.247845989	0.153881317	3.19001E-05	138.0886499	0.000207394	0.00564452	0.000482674	0.004580407	0.031999226
2081	1989.563413	0.109915103	0.169107024	0.002795152	10.92864664	0.004544619	628.9824373	0	0	2.92366E-06	0.032395206	0.042413427	1.24616615	0.153674163	3.18572E-05	137.9027563	0.000207115	0.005636922	0.000482024	0.004574241	0.031956149
2082	1985.485214	0.096073652	0.147811618	0.002443162	9.552417784	0.003972322	628.1345658	0	0	2.91972E-06	0.032351537	0.042356253	1.244486312	0.153467009	3.18142E-05	137.7168627	0.000206835	0.005629323	0.000481375	0.004568075	0.031913072
2083	1981.584746	0.083975234	0.129197912	0.002135498	8.349495459	0.003472093	627.2866944	0	0	2.91577E-06	0.032307868	0.04229908	1.242806474	0.153259856	3.17713E-05	137.5309691	0.000206556	0.005621724	0.000480725	0.004561909	0.031869995
2084	1977.839628	0.073400353	0.112928204	0.001866578	7.298055423	0.003034857	626.4388229	0	0	2.91183E-06	0.032264199	0.042241906	1.241126636	0.153052702	3.17283E-05	137.3450755	0.000206277	0.005614126	0.000480075	0.004555742	0.031826918
2085	1974.230297	0.064157151	0.098707316	0.001631523	6.37902173	0.002652682	625.5909515	0	0	2.90789E-06	0.03222053	0.042184733	1.239446798	0.152845549	3.16854E-05	137.1591819	0.000205998	0.005606527	0.000479425	0.004549576	0.031783841
2086	1970.739653	0.056077933	0.086277245	0.001426067	5.575720636	0.002318633	624.7430801	0	0	2.90395E-06	0.032176862	0.042127559	1.23776696	0.152638395	3.16425E-05	136.9732883	0.000205719	0.005598929	0.000478775	0.00454341	0.031740764
2087	1967.35275	0.049016119	0.075412475	0.001246485	4.873578102	0.002026651	623.8952086	0	0	2.90001E-06	0.032133193	0.042070386	1.236087122	0.152431242	3.15995E-05	136.7873947	0.000205439	0.00559133	0.000478126	0.004537244	0.031697687
2088	1964.056525	0.042843589	0.06591589	0.001089517	4.259855374	0.001771438	623.0473372	0	0	2.89607E-06	0.032089524	0.042013212	1.234407283	0.152224088	3.15566E-05	136.6015011	0.00020516	0.005583731	0.000477476	0.004531078	0.03165461
2089	1960.839558	0.037448357	0.057615196	0.000952315	3.723417872	0.001548363	622.1994657	0	0	2.89213E-06	0.032045855	0.041956039	1.232727445	0.152016935	3.15136E-05	136.4156075	0.000204881	0.005576133	0.000476826	0.004524912	0.031611533
2090	1957.691869	0.032732539	0.050359796	0.000832392	3.254533179	0.00135338	621.3515943	0	0	2.88819E-06	0.032002186	0.041898865	1.231047607	0.151809781	3.14707E-05	136.2297139	0.000204602	0.005568534	0.000476176	0.004518746	0.031568456
2091	1954.604733	0.028610577	0.044018059	0.00072757	2.844694465	0.001182951	620.5037228	0	0	2.88425E-06	0.031958517	0.041841692	1.229367769	0.151602628	3.14277E-05	136.0438203	0.000204323	0.005560936	0.000475527	0.00451258	0.031525378
2092	1951.570526	0.025007688	0.038474928	0.000635948	2.486466155	0.001033984	619.6558514	0	0	2.8803E-06	0.031914848	0.041784518	1.227687931	0.151395474	3.13848E-05	135.8579267	0.000204043	0.005553337	0.000474877	0.004506414	0.031482301
2093	1948.582581	0.021858506	0.033629835	0.000555864	2.173349024	0.000903776	618.80798	0	0	2.87636E-06	0.031871179	0.041727345	1.226008093	0.151188321	3.13419E-05	135.6720331	0.000203764	0.005545738	0.000474227	0.004500248	0.031439224
2094	1945.635073	0.019105895	0.029394878	0.000485865	1.899662286	0.000789964	617.9601085	0	0	2.87242E-06	0.03182751	0.041670171	1.224328254	0.150981167	3.12989E-05	135.4861395	0.000203485	0.00553814	0.000473577	0.004494081	0.031396147
2095	1942.722911	0.016699917	0.025693223	0.000424681	1.660440528	0.000690485	617.1122371	0	0	2.86848E-06	0.031783841	0.041612998	1.222648416	0.150774014	3.1256E-05	135.3002459	0.000203206	0.005530541	0.000472927	0.004487915	0.03135307
2096	1939.841642	0.01459692	0.022457712	0.000371201	1.451343625	0.000603533	616.2643656	0	0	2.86454E-06	0.031740173	0.041555824	1.220968578	0.15056686	3.1213E-05	135.1143523	0.000202927	0.005522943	0.000472278	0.004481749	0.031309993
2097	1936.987377	0.012758751	0.019629645	0.000324456	1.268577995	0.000527531	615.4164942	0	0	2.8606E-06	0.031696504	0.041498651	1.21928874	0.150359706	3.11701E-05	134.9284587	0.000202647	0.005515344	0.000471628	0.004475583	0.031266916
2098	1934.156714	0.01115206	0.017157711	0.000283598	1.108827781	0.0004611	614.5686227	0	0	2.85666E-06	0.031652835	0.041441477	1.217608902	0.150152553	3.11271E-05	134.7425651	0.000202368	0.005507746	0.000470978	0.004469417	0.031223839
2099	1931.346683	0.009747697	0.014997065	0.000247885	0.969194682	0.000403034	613.7207513	0	0	2.85272E-06	0.031609166	0.041384304	1.215929064	0.149945399	3.10842E-05	134.5566715	0.000202089	0.005500147	0.000470328	0.004463251	0.031180762
2100	1928.554684	0.008520183	0.013108506	0.000216669	0.84714538	0.000352281	612.8728798	0	0	2.84878E-06	0.031565497	0.04132713	1.214249226	0.149738246	3.10412E-05	134.3707779	0.00020181	0.005492548	0.000469679	0.004457085	0.031137685
2101	1925.778447	0.007447249	0.011457771	0.000189384	0.740465573	0.000307919	612.0250084	0	0	2.84484E-06	0.031521828	0.041269957	1.212569387	0.149531092	3.09983E-05	134.1848843	0.000201531	0.00548495	0.000469029	0.004450919	0.031094608
2102	1923.015988	0.006509427	0.01001491	0.000165535	0.647219801	0.000269143	611.177137	0	0	2.84089E-06	0.031478159	0.041212783	1.210889549	0.149323939	3.09554E-05	133.9989907	0.000201252	0.005477351	0.000468379	0.004444753	0.031051531
2103	1920.26557	0.005689704	0.008753747	0.00014469	0.565716336	0.00023525	610.3292655	0	0	2.83695E-06	0.03143449	0.04115561	1.209209711	0.149116785	3.09124E-05	133.8130971	0.000200972	0.005469753	0.000467729	0.004438587	0.031008454
2104	1917.525678	0.004973208	0.0076514	0.000126469	0.494476486	0.000205625	609.4813941	0	0	2.83301E-06	0.031390821	0.041098436	1.207529873	0.148909632	3.08695E-05	133.6272035	0.000200693	0.005462154	0.00046708	0.00443242	0.030965377
2105	1914.794986	0.004346939	0.00668787	0.000110543	0.432207769	0.000179731	608.6335226	0	0	2.82907E-06	0.031347152	0.041041263	1.205850035	0.148702478	3.08265E-05	133.4413099	0.000200414	0.005454555	0.00046643	0.004426254	0.0309223
2106	1912.072336	0.003799535	0.005845676	9.66226E-05	0.377780462	0.000157098	607.7856512	0	0	2.82513E-06	0.031303484	0.040984089	1.204170197	0.148495325	3.07836E-05	133.2554163	0.000200135	0.005446957	0.00046578	0.004420088	0.030879223
2107	1909.356714	0.003321065	0.005109539	8.4455E-05	0.330207108	0.000137315	606.9377797	0	0	2.82119E-06	0.031259815	0.040926916	1.202490359	0.148288171	3.07406E-05	133.0695227	0.000199856	0.005439358	0.00046513	0.004413922	0.030836146
2108	1906.647237	0.002902848	0.004466102	7.38197E-05	0.288624599	0.000120023	606.0899083	0	0	2.81725E-06	0.031216146	0.040869742	1.20081052	0.148081018	3.06977E-05	132.8836291	0.000199576	0.00543176	0.00046448	0.004407756	0.030793069
2109	1903.94313	0.002537297	0.003903692	6.45237E-05	0.252278515	0.000104909	605.2420369	0	0	2.81331E-06	0.031172477	0.040812569	1.199130682	0.147873864	3.06548E-05	132.6977355	0.000199297	0.005424161	0.000463831	0.00440159	0.030749992
2110	1901.243716	0.002217779	0.003412106	5.63983E-05	0.220509442	9.16977E-05	604.3941654	0	0	2.80937E-06	0.031128808	0.040755395	1.197450844	0.147666711	3.06118E-05	132.5118419	0.000199018	0.005416562	0.000463181	0.004395424	0.030706915
2111	1898.548405	0.001938497	0.002982424	4.92962E-05	0.192741003	8.01503E-05	603.546294	0	0	2.80542E-06	0.031085139	0.040698222	1.195771006	0.147459557	3.05689E-05	132.3259483	0.000198739	0.005408964	0.000462531	0.004389258	0.030663838
2112	1895.856681	0.001694385	0.002606852	4.30884E-05	0.168469404	7.00571E-05	602.6984225	0	0	2.80148E-06	0.03104147	0.040641048	1.194091168	0.147252403	3.05259E-05	132.1400547	0.00019846	0.005401365	0.000461881	0.004383092	0.03062076
2113	1893.168091	0.001481013	0.002278574	3.76623E-05	0.147254293	6.12349E-05	601.8505511	0	0	2.79754E-06	0.030997801	0.040583875	1.19241133	0.14704525	3.0483E-05	131.9541611	0.00019818	0.005393767	0.000461232	0.004376926	0.030577683
2114	1890.48224	0.001294511	0.001991637	3.29196E-05	0.12871077	5.35237E-05	601.0026796	0	0	2.7936E-06	0.030954132	0.040526701	1.190731492	0.146838096	3.044E-05	131.7682675	0.000197901	0.005386168	0.000460582	0.004370759	0.030534606
2115	1887.798785	0.001131495	0.001740833	2.8774E-05	0.112502406	4.67835E-05	600.1548082	0	0	2.78966E-06	0.030910464	0.040469528	1.189051653	0.146630943	3.03971E-05	131.5823739	0.000197622	0.005378569	0.000459932	0.004364593	0.030491529
2116	1885.117422	0.000989008	0.001521612	2.51506E-05	0.098335139	4.08921E-05	599.3069368	0	0	2.78572E-06	0.030866795	0.040412354	1.187371815	0.146423789	3.03542E-05	131.3964803	0.000197343	0.005370971	0.000459282	0.004358427	0.030448452
2117	1882.43789	0.000864463	0.001329998	2.19834E-05	0.085951936	3.57427E-05	598.4590653	0	0	2.78178E-06	0.030823126	0.040355181	1.185691977	0.146216636	3.03112E-05	131.2105867	0.000197064	0.005363372	0.000458633	0.004352261	0.030405375
2118	1879.759956	0.000755603	0.001162513	1.92151E-05	0.075128131	3.12416E-05	597.6111939	0	0	2.77784E-06	0.030779457	0.040298007	1.184012139	0.146009482	3.02683E-05	131.0246931	0.000196784	0.005355774	0.000457983	0.004346095	0.030362298
2119	1877.083421	0.000660451	0.001016119	1.67953E-05	0.065667353	2.73074E-05	596.7633224	0	0	2.7739E-06	0.030735788	0.040240833	1.182332301	0.145802329	3.02253E-05	130.8387995	0.000196505	0.005348175	0.000457333	0.004339929	0.030319221
2120	1874.408107	0.000577281	0.000888161	1.46803E-05	0.057397957	2.38686E-05	595.915451	0	0	2.76995E-06	0.030692119	0.04018366	1.180652463	0.145595175	3.01824E-05	130.652906	0.000196226	0.005340576	0.000456683	0.004333763	0.030276144
WRSF5																					
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	2514.396637	18.29254986	28.14352688	0.465181329	1138.884792	0.756335259	414.0286548	0	0	1.99266E-05	0.032511698	0.012067731	1.31	0.024078691	1.31613E-05	90.77470102	0.000212358	0.000443471	0.001714196	0.015996189	0.043229324
2025	2514.396637	18.29254986	28.14352688	0.465181329	1138.884792	0.756335259	414.0286548	0	0	1.99266E-05	0.032511698	0.012067731	1.31	0.024078691	1.31613E-05	90.77470102	0.000212358	0.000443471	0.001714196	0.015996189	0.043229324
2026	2618.072387	18.29254986	28.14352688	0.465181329	1187.106813	0.756335259	431.5592239	0	0	1.982E-05	0.031796472	0.013911987	1.31	0.023800419	1.34266E-05	94.6182325	0.000208342	0.000430451	0.001933325	0.016278434	0.04169665
2027	2608.158209	18.29254986	28.14352688	0.465181329	1182.896113	0.756335259	430.0284717	0	0	1.99151E-05	0.031702141	0.013588399	1.31	0.022428999	1.31801E-05	94.28261908	0.000207874	0.000363512	0.001934344	0.016182004	0.042369953
2028	2547.832648	18.29254986	28.14352688	0.465181329	1154.705848	0.756335259	419.7802202	0	0	1.99289E-05	0.031891225	0.013125091	1.31	0.02285213	1.31802E-05	92.03571671	0.000208704	0.00037945	0.001903289	0.016091997	0.042542959
2029	2303.322673	15.98899519	24.59945275	0.406601709	1009.29539	0.756335259	419.7802202	0	0	1.99289E-05	0.031891225	0.013125091	1.31	0.02285213	1.31802E-05	92.03571671	0.000208704	0.00037945	0.001903289	0.016091997	0.042542959
2030	2089.603489	13.97552387	21.5016788	0.355398936	882.1962633	0.756335259	419.7802202	0	0	1.99289E-05	0.031891225	0.013125091	1.31	0.02285213	1.31802E-05	92.03571671	0.000208704	0.00037945	0.001903289	0.016091997	0.042542959
2031	1902.797657	12.21560611	18.79400311	0.310644056	771.1025481	0.756335259	419.7802202	0	0	1.99289E-05	0.031891225	0.013125091	1.31	0.02285213	1.31802E-05	92.03571671	0.000208704	0.00037945	0.001903289	0.016091997	0.042542959
2032	1739.516016	10.67731229	16.42730115	0.271525094	673.9987058	0.756335259	419.7802202	0	0	1.99289E-05	0.031891225	0.013125091	1.31	0.02285213	1.31802E-05	92.03571671	0.000208704	0.00037945	0.001903289	0.016091997	0.042542959
2033	1596.796199	9.332733603	14.35863458	0.237332327	589.1230116	0.756335259	419.7802202	0	0	1.99289E-05	0.031891225	0.013125091	1.31	0.02285213	1.31802E-05	92.03571671	0.000208704	0.00037945	0.001903289	0.016091997	0.042542959
2034	1472.048885	8.157475793	12.55047224	0.207445406	514.9355924	0.756335259	419.7802202	0	0	1.99289E-05	0.031891225	0.013125091	1.31	0.02285213	1.31802E-05	92.03571671	0.000208704	0.00037945	0.001903289	0.016091997	0.042542959
2035	1363.010822	7.13021652	10.9700092	0.181322102	450.0904889	0.756335259	419.7802202	0	0	1.99289E-05	0.031891225	0.013125091	1.31	0.02285213	1.31802E-05	92.03571671	0.000208704	0.00037945	0.001903289	0.016091997	0.042542959
2036	5992.899659	21.2	35.99660733	2.678545594	2698.475016	0.800175442	981	0	0	0.00002	0.0386	0.0284	0.9	0.146	0.000044	215.0816874	6.8477E-05	0.023927599	0.001903289	0.0112	0.0237
2037	3139.95334	18.29254986	28.14352688	0.465181329	1431.658145	0.756335259	520.4630882	0	0	1.894E-05	0.029929718	0.015899582	1.31	0.02144328	1.29274E-05	114.1101725	0.00020351	0.000586667	0.002056677	0.015175524	0.045147783
2038	3588.018916	18.29254986	28.14352688	0.465181329	1640.941284	0.756335259	596.5456007	0	0	1.82455E-05	0.029033954	0.017162696	1.31	0.021016896	1.26715E-05	130.7910646	0.000202418	0.000738351	0.001930031	0.014742966	0.046770789
2039	3677.269786	18.29254986	28.14352688	0.465181329	1682.747583	0.756335259	611.7438066	0	0	1.80057E-05	0.028647968	0.017528294	1.31	0.020997338	1.26209E-05	134.1232316	0.000201539	0.000806448	0.001972601	0.014394059	0.047627503

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2040	4160.842123	18.29254986	28.14352688	0.465181329	1908.994634	0.756335259	693.9933574	0	0	1.70179E-05	0.026910861	0.019580097	1.31	0.020134499	1.23476E-05	152.1562307	0.000197003	0.001026065	0.002080407	0.01334874	0.050237856
2041	3758.925932	15.98899519	24.59945275	0.406601709	1668.597667	0.756335259	693.9933574	0	0	1.70179E-05	0.026910861	0.019580097	1.31	0.020134499	1.23476E-05	152.1562307	0.000197003	0.001026065	0.002080407	0.01334874	0.050237856
2042	3407.622473	13.97552387	21.5016788	0.355398936	1458.473547	0.756335259	693.9933574	0	0	1.70179E-05	0.026910861	0.019580097	1.31	0.020134499	1.23476E-05	152.1562307	0.000197003	0.001026065	0.002080407	0.01334874	0.050237856
2043	3100.558156	12.21560611	18.79400311	0.310644056	1274.810057	0.756335259	693.9933574	0	0	1.70179E-05	0.026910861	0.019580097	1.31	0.020134499	1.23476E-05	152.1562307	0.000197003	0.001026065	0.002080407	0.01334874	0.050237856
2044	2905.201486	10.67731229	16.42730115	0.271525094	1114.275047	0.66109104	693.1034364	0	0	1.6996E-05	0.026876352	0.019554989	1.308320162	0.02010868	1.23318E-05	151.9611179	0.000196751	0.001024749	0.002077739	0.013331623	0.050173435
2045	2760.395582	9.332733603	14.35863458	0.237332327	973.9559824	0.57784079	692.5097066	0	0	1.69917E-05	0.026828732	0.019504612	1.306640324	0.019867559	1.22844E-05	151.8309442	0.000196481	0.001016969	0.002077167	0.013326208	0.050137652
2046	2633.689683	8.157475793	12.55047224	0.207445406	851.3070969	0.505074125	691.9159768	0	0	1.69874E-05	0.026781112	0.019454235	1.304960486	0.019626438	1.2237E-05	151.7007705	0.000196212	0.001009189	0.002076594	0.013320792	0.05010187
2047	2522.80448	7.13021652	10.9700092	0.181322102	744.1032103	0.441470862	691.322247	0	0	1.69831E-05	0.026733492	0.019403857	1.303280647	0.019385316	1.21896E-05	151.5705967	0.000195943	0.001001409	0.002076022	0.013315377	0.050066088
2048	2425.747697	6.23231854	9.588571613	0.158488469	650.3993561	0.385877067	690.7285171	0	0	1.69788E-05	0.026685872	0.01935348	1.301600809	0.019144195	1.21423E-05	151.440423	0.000195674	0.000993629	0.002075449	0.013309962	0.050030305
2049	2340.777939	5.447491569	8.381096488	0.138530242	568.4954943	0.337284119	690.1347873	0	0	1.69745E-05	0.026638252	0.019303103	1.299920971	0.018903074	1.20949E-05	151.3102493	0.000195404	0.000985849	0.002074877	0.013304547	0.049994523
2050	2266.373105	4.761496738	7.32567698	0.121085327	496.9056688	0.294810412	689.5410575	0	0	1.69702E-05	0.026590632	0.019252726	1.298241133	0.018661953	1.20475E-05	151.1800756	0.000195135	0.000978069	0.002074304	0.013299132	0.04995874
2051	2201.20277	4.161888256	6.403164943	0.105837225	434.3310478	0.257685358	688.9473277	0	0	1.69659E-05	0.026543012	0.019202349	1.296561295	0.018420832	1.20001E-05	151.0499019	0.000194866	0.000970289	0.002073732	0.013293717	0.049922958
2052	2144.104046	3.637787613	5.596823529	0.092509294	379.6363594	0.225235409	688.3535979	0	0	1.69616E-05	0.026495392	0.019151972	1.294881457	0.018179711	1.19527E-05	150.9197282	0.000194597	0.000962509	0.002073159	0.013288301	0.049887176
2053	2094.060487	3.179686216	4.892023538	0.080859731	331.829295	0.196871835	687.7598681	0	0	1.69573E-05	0.026447772	0.019101594	1.293201619	0.01793859	1.19054E-05	150.7895545	0.000194327	0.000954729	0.002072587	0.013282886	0.049851393
2054	2050.183645	2.779272873	4.275978002	0.07067718	290.042506	0.172080046	687.1661382	0	0	1.6953E-05	0.026400152	0.019051217	1.29152178	0.017697468	1.1858E-05	150.6593808	0.000194058	0.000946949	0.002072014	0.013277471	0.049815611
2055	2011.696955	2.429283011	3.737510201	0.061776904	253.5178675	0.150410252	686.5724084	0	0	1.69487E-05	0.026352532	0.01900084	1.289841942	0.017456347	1.18106E-05	150.5292071	0.000193789	0.000939169	0.002071442	0.013272056	0.049779828
2056	1977.921643	2.123366872	3.266850881	0.053997427	221.5927246	0.131469304	685.9786786	0	0	1.69444E-05	0.026304912	0.018950463	1.288162104	0.017215226	1.17632E-05	150.3990333	0.00019352	0.000931389	0.002070869	0.013266641	0.049744046
2057	1948.264412	1.855974315	2.855461016	0.047197608	193.6878694	0.114913562	685.3849488	0	0	1.69401E-05	0.026257292	0.018900086	1.286482266	0.016974105	1.17158E-05	150.2688596	0.00019325	0.000923609	0.002070297	0.013261226	0.049708264
2058	1922.206677	1.622254121	2.49587689	0.041254081	169.2970327	0.100442662	684.791219	0	0	1.69358E-05	0.026209672	0.018849709	1.284802428	0.016732984	1.16685E-05	150.1386859	0.000192981	0.000915829	0.002069724	0.01325581	0.049672481
2059	1899.295159	1.417965977	2.181574678	0.036059013	147.9776992	0.087794061	684.1974892	0	0	1.69315E-05	0.026162052	0.018799332	1.28312259	0.016491863	1.16211E-05	150.0085122	0.000192712	0.000908049	0.002069152	0.013250395	0.049636699
2060	1879.13366	1.239403547	1.906852096	0.031518153	129.343079	0.07673828	683.6037593	0	0	1.69272E-05	0.026114432	0.018748954	1.281442751	0.016250742	1.15737E-05	149.8783385	0.000192443	0.000900269	0.00206858	0.01324498	0.049600916
2061	1861.375874	1.083327229	1.666724935	0.027549117	113.0550898	0.067074738	683.0100295	0	0	1.69229E-05	0.026066812	0.018698577	1.279762913	0.016009621	1.15263E-05	149.7481648	0.000192173	0.000892489	0.002068007	0.013239565	0.049565134
2062	1845.719104	0.946905379	1.456836645	0.024079896	98.81822384	0.058628112	682.4162997	0	0	1.69186E-05	0.026019192	0.0186482	1.278083075	0.015768499	1.14789E-05	149.6179911	0.000191904	0.000884709	0.002067435	0.01323415	0.049529352
2063	1831.898773	0.827662937	1.273379288	0.021047549	86.37418608	0.051245158	681.8225699	0	0	1.69142E-05	0.025971572	0.018597823	1.276403237	0.015527378	1.14316E-05	149.4878174	0.000191635	0.000876929	0.002066862	0.013228734	0.049493569
2064	1819.68362	0.723436526	1.113024453	0.018397061	75.49720822	0.044791928	681.2288401	0	0	1.69099E-05	0.025923952	0.018547446	1.274723399	0.015286257	1.13842E-05	149.3576436	0.000191366	0.000869149	0.00206629	0.013223319	0.049457787
2065	1808.871508	0.632335198	0.972862874	0.016080346	65.98995264	0.039151345	680.6351103	0	0	1.69056E-05	0.025876332	0.018497069	1.273043561	0.015045136	1.13368E-05	149.2274699	0.000191096	0.000861369	0.002065717	0.013217904	0.049422004
2066	1799.285753	0.552706129	0.850351642	0.014055371	57.67993218	0.034221072	680.0413804	0	0	1.69013E-05	0.025828712	0.018446691	1.271363723	0.014804015	1.12894E-05	149.0972962	0.000190827	0.000853589	0.002065145	0.013212489	0.049386222
2067	1790.771923	0.483104636	0.743268074	0.012285398	50.41638072	0.029911661	679.4476506	0	0	1.6897E-05	0.025781091	0.018396314	1.269683884	0.014562894	1.12421E-05	148.9671225	0.000190558	0.000845809	0.002064572	0.013207074	0.04935044
2068	1783.195031	0.422267959	0.649669388	0.010738315	44.06751792	0.026144928	678.8539208	0	0	1.68927E-05	0.025733471	0.018345937	1.268004046	0.014321773	1.11947E-05	148.8369488	0.000190289	0.000838029	0.002064	0.013201659	0.049314657
2069	1776.43709	0.369092359	0.56785745	0.009386055	38.51815834	0.022852535	678.260191	0	0	1.68884E-05	0.025685851	0.01829556	1.266324208	0.014080651	1.11473E-05	148.7067751	0.000190019	0.000830249	0.002063427	0.013196243	0.049278875
2070	1770.394971	0.322613085	0.496347972	0.008204082	33.66762169	0.019974748	677.6664612	0	0	1.68841E-05	0.025638231	0.018245183	1.26464437	0.01383953	1.10999E-05	148.5766014	0.00018975	0.000822469	0.002062855	0.013190828	0.049243092
2071	1764.978531	0.28198688	0.433843581	0.007170954	29.42790618	0.017459356	677.0727314	0	0	1.68798E-05	0.025590611	0.018194806	1.262964532	0.013598409	1.10525E-05	148.4464277	0.000189481	0.000814689	0.002062282	0.013185413	0.04920731
2072	1760.10898	0.246476675	0.379210279	0.006267926	25.722092	0.015260725	676.4790015	0	0	1.68755E-05	0.025542991	0.018144428	1.261284694	0.013357288	1.10052E-05	148.316254	0.000189212	0.000806909	0.00206171	0.013179998	0.049171528
2073	1755.717448	0.21543822	0.33145687	0.005478615	22.4829457	0.013338963	675.8852717	0	0	1.68712E-05	0.025495371	0.018094051	1.259604856	0.013116167	1.09578E-05	148.1860802	0.000188943	0.000799129	0.002061137	0.013174583	0.049135745
2074	1751.743739	0.188308392	0.28971698	0.004788701	19.65170047	0.011659207	675.2915419	0	0	1.68669E-05	0.025447751	0.018043674	1.257925017	0.012875046	1.09104E-05	148.0559065	0.000188673	0.000791349	0.002060565	0.013169167	0.049099963
2075	1748.135238	0.164594986	0.253233335	0.004185667	17.1769899	0.010190979	674.6978121	0	0	1.68626E-05	0.025400131	0.017993297	1.256245179	0.012633925	1.0863E-05	147.9257328	0.000188404	0.000783569	0.002059992	0.013163752	0.04906418
2076	1744.845954	0.143867774	0.221344023	0.003658572	15.0139161	0.008907644	674.1040823	0	0	1.68583E-05	0.025352511	0.01794292	1.254565341	0.012392804	1.08156E-05	147.7955591	0.000188135	0.000775789	0.00205942	0.013158337	0.049028398
2077	1741.835689	0.125750711	0.193470486	0.003197853	13.12323509	0.007785917	673.5103525	0	0	1.6854E-05	0.025304891	0.017892543	1.252885503	0.012151682	1.07683E-05	147.6653854	0.000187866	0.000768009	0.002058847	0.013152922	0.048992616
2078	1739.069306	0.109915103	0.169107024	0.002795152	11.47064485	0.006805448	672.9166226	0	0	1.68497E-05	0.025257271	0.017842166	1.251205665	0.011910561	1.07209E-05	147.5352117	0.000187596	0.000760229	0.002058275	0.013147507	0.048956833
2079	1736.516093	0.096073652	0.147811618	0.002443162	10.02616293	0.005948447	672.3228928	0	0	1.68454E-05	0.025209651	0.017791788	1.249525827	0.01166944	1.06735E-05	147.405038	0.000187327	0.000752449	0.002057702	0.013142092	0.048921051
2080	1734.149207	0.083975234	0.129197912	0.002135498	8.763582553	0.005199368	671.729163	0	0	1.68411E-05	0.025162031	0.017741411	1.247845989	0.011428319	1.06261E-05	147.2748643	0.000187058	0.000744669	0.00205713	0.013136676	0.048885268
2081	1731.945183	0.073400353	0.112928204	0.001866578	7.659997122	0.004544619	671.1354332	0	0	1.68368E-05	0.025114411	0.017691034	1.24616615	0.011187198	1.05787E-05	147.1446906	0.000186789	0.000736889	0.002056557	0.013131261	0.048849486
2082	1729.883513	0.064157151	0.098707316	0.001631523	6.695384627	0.003972322	670.5417034	0	0	1.68325E-05	0.025066791	0.017640657	1.244486312	0.010946077	1.05314E-05	147.0145168	0.000186519	0.000729109	0.002055985	0.013125846	0.048813703
2083	1727.946269	0.056077933	0.086277245	0.001426067	5.852244406	0.003472093	669.9479736	0	0	1.68281E-05	0.025019171	0.01759028	1.242806474	0.010704956	1.0484E-05	146.8843431	0.00018625	0.000721329	0.002055412	0.013120431	0.048777921
2084	1726.117784	0.049016119	0.075412475	0.001246485	5.115279628	0.003034857	669.3542437	0	0	1.68238E-05	0.024971551	0.017539903	1.241126636	0.010463834	1.04366E-05	146.7541694	0.000185981	0.000713549	0.00205484	0.013115016	0.048742139
2085	1724.384362	0.042843589	0.06591589	0.001089517	4.471119772	0.002652682	668.7605139	0	0	1.68195E-05	0.024923931	0.017489525	1.239446798	0.010222713	1.03892E-05	146.6239957	0.000185712	0.000705769	0.002054267	0.013109601	0.048706356
2086	1722.73403	0.037448357	0.057615196	0.000952315	3.908078046	0.002318633	668.1667841	0	0	1.68152E-05	0.024876311	0.017439148	1.23776696	0.009981592	1.03419E-05	146.493822	0.000185442	0.000697989	0.002053695	0.013104185	0.048670574
2087	1721.156327	0.032732539	0.050359796	0.000832392	3.415939361	0.002026651	667.5730543	0	0	1.68109E-05	0.024828691	0.017388771	1.236087122	0.009740471	1.02945E-05	146.3636483	0.000185173	0.000690209	0.002053123	0.01309877	0.048634791
2088	1719.642105	0.028610577	0.044018059	0.00072757	2.985774997	0.001771438	666.9793245	0	0	1.68066E-05	0.024781071	0.017338394	1.234407283	0.00949935	1.02471E-05	146.2334746	0.000184904	0.000682429	0.00205255	0.013093355	0.048599009
2089	1718.183371	0.025007688	0.038474928	0.000635948	2.609780617	0.001548363	666.3855947	0	0	1.68023E-05	0.024733451	0.017288017	1.232727445	0.009258229	1.01997E-05	146.1033009	0.000184635	0.000674649	0.002051978	0.01308794	0.048563227
2090	1716.773137	0.021858506	0.033629835	0.000555864	2.281134672	0.00135338	665.7918648	0	0	1.6798E-05	0.024685831	0.01723764	1.231047607	0.009017108	1.01523E-05	145.9731272	0.000184365	0.000666869	0.002051405	0.013082525	0.048527444
2091	1715.405295	0.019105895	0.029394878	0.000485865	1.993874642	0.001182951	665.198135	0	0	1.67937E-05	0.024638211	0.017187263	1.229367769	0.008775987	1.0105E-05	145.8429534	0.000184096	0.000659089	0.002050833	0.013077109	0.048491662
2092	1714.074508	0.016699917	0.025693223	0.000424681	1.742788857	0.001033984	664.6044052	0	0	1.67894E-05	0.024590591	0.017136885	1.227687931	0.008534865	1.00576E-05	145.7127797	0.000183827	0.000651309	0.00205026	0.013071694	0.048455879
2093	1712.776109	0.01459692	0.022457712	0.000371201	1.523321946	0.000903776	664.0106754	0	0	1.67851E-05	0.024542971	0.017086508	1.226008093	0.008293744	1.00102E-05	145.582606	0.000183558	0.000643529	0.002049688	0.013066279	0.048420097
2094	1711.506019	0.012758751	0.019629645	0.000324456	1.331492189	0.000789964	663.4169456	0	0	1.67808E-05	0.024495351	0.017036131	1.224328254	0.008052623	9.96282E-06	145.4524323	0.000183288	0.000635749	0.002049115	0.013060864	0.048384315
2095	1710.260674	0.01115206	0.017157711	0.000283598	1.16381928	0.000690485	662.8232158	0	0	1.67765E-05	0.02444773	0.016985754	1.222648416	0.007811502	9.91544E-06	145.3222586	0.000183019	0.000627969	0.002048543	0.013055449	0.048348532
2096	1709.036957	0.009747697	0.014997065	0.000247885	1.017261181	0.000603533	662.2294859	0	0	1.67722E-05	0.02440011	0.016935377	1.220968578	0.007570381	9.86807E-06	145.1920849	0.00018275	0.000620188	0.00204797	0.013050034	0.04831275
2097	1707.832145	0.008520183	0.013108506	0.000216669	0.889158933	0.000527531	661.6357561	0	0	1.67679E-05	0.02435249	0.016885	1.21928874	0.00732926	9.82069E-06	145.0619112	0.000182481	0.000612408	0.002047398	0.013044618	0.048276967
2098	1706.643857	0.007447249	0.011457771	0.000189384	0.777188419	0.0004611	661.0420263	0	0	1.67636E-05	0.02430487	0.016834622	1.217608902	0.007088139	9.77331E-06	144.9317375	0.000182211	0.000604628	0.002046825	0.013039203	0.048241185
2099	1705.470013	0.006509427	0.01001491	0.000165535	0.679318192	0.000403034	660.4482965	0	0	1.67593E-05	0.02425725	0.016784245	1.215929064	0.006847017	9.72593E-06	144.8015637	0.000181942	0.000596848	0.002046253	0.013033788	0.048205403
2100	1704.308793	0.005689704	0.008753747	0.00014469	0.593772622	0.000352281	659.8545667	0	0	1.6755E-05	0.02420963	0.016733868	1.214249226	0.006605896	9.67855E-06	144.67139	0.000181673	0.000589068	0.00204568	0.013028373	0.04816962
2101	1703.158607	0.004973208	0.0076514	0.000126469	0.518999684	0.000307919	659.2608368	0	0	1.67507E-05	0.02416201	0.016683491	1.212569387	0.006364775	9.63117E-06	144.5412163	0.000181404	0.000581288	0.002045108	0.013022958	0.048133838
2102	1702.018067	0.004346939	0.00668787	0.000110543	0.453642795	0.000269143	658.667107	0	0	1.67464E-05	0.02411439	0.016633114	1.210889549	0.006123654	9.58379E-06	144.4110426	0.000181134	0.000573508	0.002044535	0.013017542	0.048098055
2103	1700.885957	0.003799535	0.005845676	9.66226E-05	0.396516206	0.00023525	658.0733772	0	0	1.6742E-05	0.02406677	0.016582737	1.209209711	0.005882533	9.53641E-06	144.2808689	0.000180865	0.000565728	0.002043963	0.013012127	0.048062273
2104	1699.761216	0.003321065	0.005109539	8.4455E-05	0.346583487	0.000205625	657.4796474	0	0	1.67377E-05	0.02401915	0.01653236	1.207529873	0.005641412	9.48903E-06	144.1506952	0.000180596	0.000557948	0.00204339	0.013006712	0.048026491
2105	1698.642916	0.002902848	0.004466102	7.38197E-05	0.302938723	0.000179731	656.8859176	0	0	1.67334E-05	0.02397153	0.016481982	1.205850035	0.005400291	9.44166E-06	144.0205215	0.000180327	0.000550168	0.002042818	0.013001297	0.047990708
2106	1697.530245	0.002537297	0.003903692	6.45237E-05	0.264790083	0.000157098	656.2921878	0	0	1.67291E-05	0.02392391	0.016431605	1.204170197	0.00515917	9.39428E-06	143.8903478	0.000180058	0.000542388	0.002042245	0.012995882	0.047954926
2107	1696.422496	0.002217779	0.003412106	5.63983E-05	0.231445446	0.000137315	655.6984579	0	0	1.67248E-05	0.02387629	0.016381228	1.202490359	0.004918048	9.3469E-06	143.7601741	0.000179788	0.000534608	0.002041673	0.012990467	0.047919143
2108	1695.319047	0.001938497	0.002982424	4.92962E-05	0.202299852	0.000120023	655.1047281	0	0	1.67205E-05	0.02382867	0.016330851	1.20081052	0.004676927	9.29952E-06	143.6300003	0.000179519	0.000526828	0.0020411	0.012985051	0.047883361
2109	1694.219359	0.001694385	0.002606852	4.30884E-05	0.17682452	0.000104909	654.5109983	0	0	1.67162E-05	0.02378105	0.016280474	1.199130682	0.004435806	9.25214E-06	143.4998266	0.00017925	0.000519048	0.002040528	0.012979636	0.047847579
2110	1693.122956	0.001481013	0.002278574	3.76623E-05	0.154557261	9.16977E-05	653.9172685	0	0	1.67119E-05	0.02373343	0.016230097	1.197450844	0.004194685	9.20476E-06	143.3696529	0.000178981	0.000511268	0.002039955	0.012974221	0.047811796
2111	1692.029426	0.001294511	0.001991637	3.29196E-05	0.135094086	8.01503E-05	653.3235387	0	0	1.67076E-05	0.02368581	0.016179719	1.195771006	0.003953564	9.15738E-06	143.2394792	0.000178711	0.000503488	0.002039383	0.012968806	0.047776014
2112	1690.938406	0.001131495	0.001740833	2.8774E-05	0.118081881	7.00571E-05	652.7298089	0	0	1.67033E-05	0.02363819	0.016129342	1.194091168	0.003712443	9.11E-06	143.1093055	0.000178442	0.000495708	0.002038811	0.012963391	0.047740231
2113	1689.849581	0.000989008	0.001521612	2.51506E-05	0.103211998	6.12349E-05	652.136079	0	0	1.6699E-05	0.02359057	0.016078965	1.19241133	0.003471322	9.06262E-06	142.9791318	0.000178173	0.000487928	0.002038238	0.012957976	0.047704449
2114	1688.762673	0.000864463	0.001329998	2.19834E-05	0.090214659	5.35237E-05	651.5423492	0	0	1.66947E-05	0.02354295	0.016028588	1.190731492	0.0032302	9.01525E-06	142.8489581	0.000177904	0.000480148	0.002037666	0.01295256	0.047668667

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2115	1687.677443	0.000755603	0.001162513	1.92151E-05	0.078854056	4.67835E-05	650.9486194	0	0	1.66904E-05	0.02349533	0.015978211	1.189051653	0.002989079	8.96787E-06	142.7187844	0.000177634	0.000472368	0.002037093	0.012947145	0.047632884
2116	1686.593677	0.000660451	0.001016119	1.67953E-05	0.068924077	4.08921E-05	650.3548896	0	0	1.66861E-05	0.02344771	0.015927834	1.187371815	0.002747958	8.92049E-06	142.5886107	0.000177365	0.000464588	0.002036521	0.01294173	0.047597102
2117	1685.511193	0.000577281	0.000888161	1.46803E-05	0.060244566	3.57427E-05	649.7611598	0	0	1.66818E-05	0.02340009	0.015877456	1.185691977	0.002506837	8.87311E-06	142.4584369	0.000177096	0.000456808	0.002035948	0.012936315	0.047561319
2118	1684.429828	0.000504585	0.000776316	1.28316E-05	0.052658054	3.12416E-05	649.16743	0	0	1.66775E-05	0.02335247	0.015827079	1.184012139	0.002265716	8.82573E-06	142.3282632	0.000176827	0.000449028	0.002035376	0.0129309	0.047525537
2119	1683.349442	0.000441043	0.000678556	1.12158E-05	0.046026901	2.73074E-05	648.5737001	0	0	1.66732E-05	0.02330485	0.015776702	1.182332301	0.002024595	8.77835E-06	142.1980895	0.000176557	0.000441248	0.002034803	0.012925484	0.047489755
2120	1682.269911	0.000385503	0.000593106	9.80339E-06	0.040230799	2.38686E-05	647.9799703	0	0	1.66689E-05	0.02325723	0.015726325	1.180652463	0.001783474	8.73097E-06	142.0679158	0.000176288	0.000433468	0.002034231	0.012920069	0.047453972
WRSF6																					
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	6021.043185	39.49254986	64.14013421	3.143726923	2698.475016	1.5565107	981	0	0	0.00002	0.0386	0.0284	2.21	0.146	0.000044	215.0816874	6.8477E-05	0.023927599	0.001998897	0.0112	0.0237
2028	4495.480037	18.29254986	28.14352688	0.465181329	2064.823378	0.756335259	750.6431304	0	0	3.24708E-06	0.032737887	0.008023107	1.31	0.021294021	1.04498E-05	164.5765455	0.000241789	0.00043091	0.001998897	0.016415734	0.042856561
2029	4545.330112	18.29254986	28.14352688	0.465181329	2088.141668	0.756335259	759.1202303	0	0	2.8379E-06	0.032679629	0.008068972	1.31	0.021060425	1.03846E-05	166.4351275	0.000241956	0.000421596	0.0020237	0.016455045	0.042742561
2030	8059.711913	18.29254986	28.14352688	0.465181329	3728.535589	0.756335259	1355.466843	0	0	2.27891E-06	0.029173492	0.011846062	1.31	0.018801957	9.98916E-06	297.1825646	0.000282707	0.000498694	0.00194183	0.016685557	0.045056189
2031	9516.176798	18.29254986	28.14352688	0.465181329	4408.214178	0.756335259	1602.556289	0	0	3.23847E-06	0.02775234	0.013434857	1.31	0.0184683	1.00038E-05	351.3562802	0.000300849	0.000561583	0.001831237	0.016677017	0.046457728
2032	16175.60805	18.29254986	28.14352688	0.465181329	7516.747136	0.756335259	2732.628205	0	0	1.08985E-06	0.021079363	0.020570645	1.31	0.013637876	9.09111E-06	599.1215957	0.000376921	0.000679384	0.00174621	0.01720899	0.05043698
2033	9318.727899	18.29254986	28.14352688	0.465181329	4316.331048	0.756335259	1569.153219	0	0	1.04725E-06	0.027889814	0.013178883	1.31	0.017471356	9.69288E-06	344.0327443	0.00029622	0.000499528	0.001978877	0.016858245	0.04550173
2034	11665.68842	18.29254986	28.14352688	0.465181329	5411.763673	0.756335259	1967.385331	0	0	1.06183E-06	0.025558745	0.015708922	1.31	0.016159239	9.48691E-06	431.3440945	0.000323842	0.000561089	0.00189924	0.016978297	0.047190958
2035	17704.06984	18.29254986	28.14352688	0.465181329	8230.189986	0.756335259	2991.992265	0	0	1.10236E-06	0.019360362	0.022201195	1.31	0.012664784	8.90126E-06	655.9864883	0.000393904	0.000718303	0.001681372	0.017197603	0.051329648
2036	9955.134567	18.29254986	28.14352688	0.465181329	4613.098129	0.756335259	1677.039527	0	0	3.78904E-06	0.02698114	0.013888896	1.31	0.018290802	9.94962E-06	367.6865355	0.000304835	0.000585145	0.001758837	0.016496129	0.046614155
2037	8988.921644	15.98899519	24.59945275	0.406601709	4032.177272	0.756335259	1677.039527	0	0	3.78904E-06	0.02698114	0.013888896	1.31	0.018290802	9.94962E-06	367.6865355	0.000304835	0.000585145	0.001758837	0.016496129	0.046614155
2038	8144.382534	13.97552387	21.5016788	0.355398936	3524.410948	0.756335259	1677.039527	0	0	3.78904E-06	0.02698114	0.013888896	1.31	0.018290802	9.94962E-06	367.6865355	0.000304835	0.000585145	0.001758837	0.016496129	0.046614155
2039	7406.195027	12.21560611	18.79400311	0.310644056	3080.586913	0.756335259	1677.039527	0	0	3.78904E-06	0.02698114	0.013888896	1.31	0.018290802	9.94962E-06	367.6865355	0.000304835	0.000585145	0.001758837	0.016496129	0.046614155
2040	6760.966419	10.67731229	16.42730115	0.271525094	2692.653004	0.756335259	1677.039527	0	0	3.78904E-06	0.02698114	0.013888896	1.31	0.018290802	9.94962E-06	367.6865355	0.000304835	0.000585145	0.001758837	0.016496129	0.046614155
2041	6196.990527	9.332733603	14.35863458	0.237332327	2353.571057	0.756335259	1677.039527	0	0	3.78904E-06	0.02698114	0.013888896	1.31	0.018290802	9.94962E-06	367.6865355	0.000304835	0.000585145	0.001758837	0.016496129	0.046614155
2042	5704.035314	8.157475793	12.55047224	0.207445406	2057.189216	0.756335259	1677.039527	0	0	3.78904E-06	0.02698114	0.013888896	1.31	0.018290802	9.94962E-06	367.6865355	0.000304835	0.000585145	0.001758837	0.016496129	0.046614155
2043	5273.157246	7.13021652	10.9700092	0.181322102	1798.130317	0.756335259	1677.039527	0	0	3.78904E-06	0.02698114	0.013888896	1.31	0.018290802	9.94962E-06	367.6865355	0.000304835	0.000585145	0.001758837	0.016496129	0.046614155
2044	5008.125796	6.23231854	9.588571613	0.158488469	1571.694335	0.66109104	1674.889027	0	0	3.78418E-06	0.026946542	0.013871086	1.308320162	0.018267347	9.93687E-06	367.215044	0.000304444	0.000584395	0.001756581	0.016474976	0.04655438
2045	4803.820325	5.447491569	8.381096488	0.138530242	1373.773113	0.57784079	1672.738527	0	0	3.77932E-06	0.026911943	0.013853276	1.306640324	0.018243892	9.92411E-06	366.7435525	0.000304053	0.000583645	0.001754326	0.016453822	0.046494606
2046	4624.689679	4.761496738	7.32567698	0.121085327	1200.775827	0.505074125	1670.588027	0	0	3.77446E-06	0.026877345	0.013835466	1.304960486	0.018220438	9.91135E-06	366.272061	0.000303663	0.000582894	0.00175207	0.016432669	0.046434832
2047	4467.563627	4.161888256	6.403164943	0.105837225	1049.563843	0.441470862	1668.437527	0	0	3.7696E-06	0.026842746	0.013817656	1.303280647	0.018196983	9.89859E-06	365.8005694	0.000303272	0.000582144	0.001749815	0.016411516	0.046375058
2048	4329.671163	3.637787613	5.596823529	0.092509294	917.3937674	0.385877067	1666.287027	0	0	3.76474E-06	0.026808148	0.013799846	1.301600809	0.018173528	9.88583E-06	365.3290779	0.000302881	0.000581394	0.00174756	0.016390362	0.046315284
2049	4208.590229	3.179686216	4.892023538	0.080859731	801.8676808	0.337284119	1664.136527	0	0	3.75989E-06	0.026773549	0.013782036	1.299920971	0.018150074	9.87307E-06	364.8575864	0.00030249	0.000580643	0.001745304	0.016369209	0.046255509
2050	4102.203772	2.779272873	4.275978002	0.07067718	700.8896293	0.294810412	1661.986027	0	0	3.75503E-06	0.026738951	0.013764226	1.298241133	0.018126619	9.86031E-06	364.3860949	0.000302099	0.000579893	0.001743049	0.016348056	0.046195735
2051	4008.661338	2.429283011	3.737510201	0.061776904	612.6275995	0.257685358	1659.835527	0	0	3.75017E-06	0.026704353	0.013746416	1.296561295	0.018103164	9.84756E-06	363.9146034	0.000301708	0.000579142	0.001740793	0.016326902	0.046135961
2052	3926.345498	2.123366872	3.266850881	0.053997427	535.4802811	0.225235409	1657.685027	0	0	3.74531E-06	0.026669754	0.013728606	1.294881457	0.01807971	9.8348E-06	363.4431119	0.000301317	0.000578392	0.001738538	0.016305749	0.046076187
2053	3853.842502	1.855974315	2.855461016	0.047197608	468.0480143	0.196871835	1655.534527	0	0	3.74045E-06	0.026635156	0.013710796	1.293201619	0.018056255	9.82204E-06	362.9716204	0.000300926	0.000577642	0.001736283	0.016284596	0.046016412
2054	3789.916633	1.622254121	2.49587689	0.041254081	409.1073965	0.172080046	1653.384027	0	0	3.73559E-06	0.026600557	0.013692986	1.29152178	0.0180328	9.80928E-06	362.5001289	0.000300535	0.000576891	0.001734027	0.016263443	0.045956638
2055	3733.487787	1.417965977	2.181574678	0.036059013	357.5890865	0.150410252	1651.233527	0	0	3.73073E-06	0.026565959	0.013675176	1.289841942	0.018009346	9.79652E-06	362.0286374	0.000300144	0.000576141	0.001731772	0.016242289	0.045896864
2056	3683.611872	1.239403547	1.906852096	0.031518153	312.5584037	0.131469304	1649.083027	0	0	3.72587E-06	0.02653136	0.013657366	1.288162104	0.017985891	9.78376E-06	361.5571459	0.000299754	0.000575391	0.001729517	0.016221136	0.04583709
2057	3639.463689	1.083327229	1.666724935	0.027549117	273.1983704	0.114913562	1646.932527	0	0	3.72102E-06	0.026496762	0.013639556	1.286482266	0.017962437	9.771E-06	361.0856544	0.000299363	0.00057464	0.001727261	0.016199983	0.045777315
2058	3600.321952	0.946905379	1.456836645	0.024079896	238.7948899	0.100442662	1644.782027	0	0	3.71616E-06	0.026462163	0.013621746	1.284802428	0.017938982	9.75825E-06	360.6141629	0.000298972	0.00057389	0.001725006	0.016178829	0.045717541
2059	3565.556206	0.827662937	1.273379288	0.021047549	208.7237906	0.087794061	1642.631527	0	0	3.7113E-06	0.026427565	0.013603936	1.28312259	0.017915527	9.74549E-06	360.1426714	0.000298581	0.00057314	0.00172275	0.016157676	0.045657767
2060	3534.61539	0.723436526	1.113024453	0.018397061	182.4395018	0.07673828	1640.481027	0	0	3.70644E-06	0.026392967	0.013586126	1.281442751	0.017892073	9.73273E-06	359.6711799	0.00029819	0.000572389	0.001720495	0.016136523	0.045597993
2061	3507.017835	0.632335198	0.972862874	0.016080346	159.465156	0.067074738	1638.330527	0	0	3.70158E-06	0.026358368	0.013568316	1.279762913	0.017868618	9.71997E-06	359.1996884	0.000297799	0.000571639	0.00171824	0.016115369	0.045538219
2062	3482.342529	0.552706129	0.850351642	0.014055371	139.3839367	0.058628112	1636.180027	0	0	3.69672E-06	0.02632377	0.013550506	1.278083075	0.017845163	9.70721E-06	358.7281969	0.000297408	0.000570889	0.001715984	0.016094216	0.045478444
2063	3460.221477	0.483104636	0.743268074	0.012285398	121.8315166	0.051245158	1634.029527	0	0	3.69186E-06	0.026289171	0.013532696	1.276403237	0.017821709	9.69445E-06	358.2567054	0.000297017	0.000570138	0.001713729	0.016073063	0.04541867
2064	3440.333026	0.422267959	0.649669388	0.010738315	106.4894478	0.044791928	1631.879027	0	0	3.687E-06	0.026254573	0.013514886	1.274723399	0.017798254	9.68169E-06	357.7852139	0.000296626	0.000569388	0.001711473	0.01605191	0.045358896
2065	3422.396028	0.369092359	0.56785745	0.009386055	93.07938377	0.039151345	1629.728527	0	0	3.68215E-06	0.026219974	0.013497076	1.273043561	0.017774799	9.66894E-06	357.3137224	0.000296236	0.000568638	0.001709218	0.016030756	0.045299122
2066	3406.164739	0.322613085	0.496347972	0.008204082	81.35802994	0.034221072	1627.578028	0	0	3.67729E-06	0.026185376	0.013479266	1.271363723	0.017751345	9.65618E-06	356.8422309	0.000295845	0.000567887	0.001706963	0.016009603	0.045239347
2067	3391.424362	0.28198688	0.433843581	0.007170954	71.11272946	0.029911661	1625.427528	0	0	3.67243E-06	0.026150778	0.013461456	1.269683884	0.01772789	9.64342E-06	356.3707394	0.000295454	0.000567137	0.001704707	0.01598845	0.045179573
2068	3377.987147	0.246476675	0.379210279	0.006267926	62.15760502	0.026144928	1623.277028	0	0	3.66757E-06	0.026116179	0.013443646	1.268004046	0.017704435	9.63066E-06	355.8992479	0.000295063	0.000566387	0.001702452	0.015967296	0.045119799
2069	3365.68899	0.21543822	0.33145687	0.005478615	54.33018662	0.022852535	1621.126528	0	0	3.66271E-06	0.026081581	0.013425836	1.266324208	0.017680981	9.6179E-06	355.4277564	0.000294672	0.000565636	0.001700196	0.015946143	0.045060025
2070	3354.386452	0.188308392	0.28971698	0.004788701	47.48846383	0.019974748	1618.976028	0	0	3.65785E-06	0.026046982	0.013408026	1.26464437	0.017657526	9.60514E-06	354.9562649	0.000294281	0.000564886	0.001697941	0.01592499	0.045000251
2071	3343.954154	0.164594986	0.253233335	0.004185667	41.50830942	0.017459356	1616.825528	0	0	3.65299E-06	0.026012384	0.013390216	1.262964532	0.017634071	9.59238E-06	354.4847734	0.00029389	0.000564136	0.001695686	0.015903836	0.044940476
2072	3334.282508	0.143867774	0.221344023	0.003658572	36.28122732	0.015260725	1614.675028	0	0	3.64813E-06	0.025977785	0.013372406	1.261284694	0.017610617	9.57963E-06	354.0132819	0.000293499	0.000563385	0.00169343	0.015882683	0.044880702
2073	3325.275728	0.125750711	0.193470486	0.003197853	31.71238419	0.013338963	1612.524528	0	0	3.64328E-06	0.025943187	0.013354596	1.259604856	0.017587162	9.56687E-06	353.5417904	0.000293108	0.000562635	0.001691175	0.01586153	0.044820928
2074	3316.850087	0.109915103	0.169107024	0.002795152	27.71888895	0.011659207	1610.374028	0	0	3.63842E-06	0.025908589	0.013336786	1.257925017	0.017563708	9.55411E-06	353.0702989	0.000292717	0.000561885	0.001688919	0.015840376	0.044761154
2075	3308.932404	0.096073652	0.147811618	0.002443162	24.22828887	0.010190979	1608.223528	0	0	3.63356E-06	0.02587399	0.013318976	1.256245179	0.017540253	9.54135E-06	352.5988074	0.000292327	0.000561134	0.001686664	0.015819223	0.044701379
2076	3301.458712	0.083975234	0.129197912	0.002135498	21.17725506	0.008907644	1606.073028	0	0	3.6287E-06	0.025839392	0.013301166	1.254565341	0.017516798	9.52859E-06	352.1273159	0.000291936	0.000560384	0.001684409	0.01579807	0.044641605
2077	3294.373099	0.073400353	0.112928204	0.001866578	18.51043358	0.007785917	1603.922528	0	0	3.62384E-06	0.025804793	0.013283356	1.252885503	0.017493344	9.51583E-06	351.6558244	0.000291545	0.000559634	0.001682153	0.015776917	0.044581831
2078	3287.626696	0.064157151	0.098707316	0.001631523	16.17944113	0.006805448	1601.772028	0	0	3.61898E-06	0.025770195	0.013265546	1.251205665	0.017469889	9.50307E-06	351.1843329	0.000291154	0.000558883	0.001679898	0.015755763	0.044522057
2079	3281.176786	0.056077933	0.086277245	0.001426067	14.14198722	0.005948447	1599.621528	0	0	3.61412E-06	0.025735596	0.013247736	1.249525827	0.017446434	9.49032E-06	350.7128414	0.000290763	0.000558133	0.001677643	0.01573461	0.044462283
2080	3274.986033	0.049016119	0.075412475	0.001246485	12.36110697	0.005199368	1597.471028	0	0	3.60926E-06	0.025700998	0.013229926	1.247845989	0.01742298	9.47756E-06	350.2413499	0.000290372	0.000557383	0.001675387	0.015713457	0.044402508
2081	3269.021801	0.042843589	0.06591589	0.001089517	10.80449043	0.004544619	1595.320528	0	0	3.60441E-06	0.025666399	0.013212116	1.24616615	0.017399525	9.4648E-06	349.7698584	0.000289981	0.000556632	0.001673132	0.015692303	0.044342734
2082	3263.255565	0.037448357	0.057615196	0.000952315	9.443896384	0.003972322	1593.170028	0	0	3.59955E-06	0.025631801	0.013194306	1.244486312	0.01737607	9.45204E-06	349.2983669	0.00028959	0.000555882	0.001670876	0.01567115	0.04428296
2083	3257.66239	0.032732539	0.050359796	0.000832392	8.254640004	0.003472093	1591.019528	0	0	3.59469E-06	0.025597203	0.013176496	1.242806474	0.017352616	9.43928E-06	348.8268753	0.000289199	0.000555132	0.001668621	0.015649997	0.044223186
2084	3252.220485	0.028610577	0.044018059	0.00072757	7.21514498	0.003034857	1588.869028	0	0	3.58983E-06	0.025562604	0.013158686	1.241126636	0.017329161	9.42652E-06	348.3553838	0.000288808	0.000554381	0.001666366	0.015628843	0.044163411
2085	3246.9108	0.025007688	0.038474928	0.000635948	6.30655208	0.002652682	1586.718528	0	0	3.58497E-06	0.025528006	0.013140876	1.239446798	0.017305706	9.41376E-06	347.8838923	0.000288418	0.000553631	0.00166411	0.01560769	0.044103637
2086	3241.716684	0.021858506	0.033629835	0.000555864	5.512376986	0.002318633	1584.568028	0	0	3.58011E-06	0.025493407	0.013123066	1.23776696	0.017282252	9.40101E-06	347.4124008	0.000288027	0.00055288	0.001661855	0.015586537	0.044043863
2087	3236.623584	0.019105895	0.029394878	0.000485865	4.818211227	0.002026651	1582.417528	0	0	3.57525E-06	0.025458809	0.013105256	1.236087122	0.017258797	9.38825E-06	346.9409093	0.000287636	0.00055213	0.001659599	0.015565384	0.043984089

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2088	3231.61878	0.016699917	0.025693223	0.000424681	4.21146077	0.001771438	1580.267028	0	0	3.57039E-06	0.02542421	0.013087446	1.234407283	0.017235342	9.37549E-06	346.4694178	0.000287245	0.00055138	0.001657344	0.01554423	0.043924315
2089	3226.691151	0.01459692	0.022457712	0.000371201	3.681117532	0.001548363	1578.116528	0	0	3.56554E-06	0.025389612	0.013069636	1.232727445	0.017211888	9.36273E-06	345.9979263	0.000286854	0.000550629	0.001655089	0.015523077	0.04386454
2090	3221.830981	0.012758751	0.019629645	0.000324456	3.21755966	0.00135338	1575.966028	0	0	3.56068E-06	0.025355014	0.013051826	1.231047607	0.017188433	9.34997E-06	345.5264348	0.000286463	0.000549879	0.001652833	0.015501924	0.043804766
2091	3217.029773	0.01115206	0.017157711	0.000283598	2.812376969	0.001182951	1573.815528	0	0	3.55582E-06	0.025320415	0.013034016	1.229367769	0.017164979	9.33721E-06	345.0549433	0.000286072	0.000549129	0.001650578	0.01548077	0.043744992
2092	3212.280103	0.009747697	0.014997065	0.000247885	2.458218355	0.001033984	1571.665028	0	0	3.55096E-06	0.025285817	0.013016206	1.227687931	0.017141524	9.32445E-06	344.5834518	0.000285681	0.000548378	0.001648322	0.015459617	0.043685218
2093	3207.57548	0.008520183	0.013108506	0.000216669	2.148658429	0.000903776	1569.514528	0	0	3.5461E-06	0.025251218	0.012998396	1.226008093	0.017118069	9.3117E-06	344.1119603	0.00028529	0.000547628	0.001646067	0.015438464	0.043625443
2094	3202.910233	0.007447249	0.011457771	0.000189384	1.878080942	0.000789964	1567.364028	0	0	3.54124E-06	0.02521662	0.012980586	1.224328254	0.017094615	9.29894E-06	343.6404688	0.0002849	0.000546878	0.001643812	0.01541731	0.043565669
2095	3198.279402	0.006509427	0.01001491	0.000165535	1.641576892	0.000690485	1565.213528	0	0	3.53638E-06	0.025182021	0.012962776	1.222648416	0.01707116	9.28618E-06	343.1689773	0.000284509	0.000546127	0.001641556	0.015396157	0.043505895
2096	3193.678653	0.005689704	0.008753747	0.00014469	1.434855459	0.000603533	1563.063028	0	0	3.53152E-06	0.025147423	0.012944966	1.220968578	0.017047705	9.27342E-06	342.6974858	0.000284118	0.000545377	0.001639301	0.015375004	0.043446121
2097	3189.104198	0.004973208	0.0076514	0.000126469	1.254166161	0.000527531	1560.912528	0	0	3.52666E-06	0.025112825	0.012927156	1.21928874	0.017024251	9.26066E-06	342.2259943	0.000283727	0.000544627	0.001637046	0.015353851	0.043386346
2098	3184.552727	0.004346939	0.00668787	0.000110543	1.096230808	0.0004611	1558.762028	0	0	3.52181E-06	0.025078226	0.012909346	1.217608902	0.017000796	9.2479E-06	341.7545028	0.000283336	0.000543876	0.00163479	0.015332697	0.043326572
2099	3180.021344	0.003799535	0.005845676	9.66226E-05	0.958184029	0.000403034	1556.611528	0	0	3.51695E-06	0.025043628	0.012891536	1.215929064	0.016977341	9.23514E-06	341.2830113	0.000282945	0.000543126	0.001632535	0.015311544	0.043266798
2100	3175.50752	0.003321065	0.005109539	8.4455E-05	0.837521283	0.000352281	1554.461028	0	0	3.51209E-06	0.025009029	0.012873726	1.214249226	0.016953887	9.22239E-06	340.8115198	0.000282554	0.000542376	0.001630279	0.015290391	0.043207024
2101	3171.009044	0.002902848	0.004466102	7.38197E-05	0.732053424	0.000307919	1552.310528	0	0	3.50723E-06	0.024974431	0.012855916	1.212569387	0.016930432	9.20963E-06	340.3400283	0.000282163	0.000541625	0.001628024	0.015269237	0.04314725
2102	3166.523983	0.002537297	0.003903692	6.45237E-05	0.639866982	0.000269143	1550.160028	0	0	3.50237E-06	0.024939832	0.012838106	1.210889549	0.016906977	9.19687E-06	339.8685368	0.000281772	0.000540875	0.001625769	0.015248084	0.043087475
2103	3162.050648	0.002217779	0.003412106	5.63983E-05	0.559289447	0.00023525	1548.009528	0	0	3.49751E-06	0.024905234	0.012820296	1.209209711	0.016883523	9.18411E-06	339.3970453	0.000281381	0.000540125	0.001623513	0.015226931	0.043027701
2104	3157.587562	0.001938497	0.002982424	4.92962E-05	0.488858926	0.000205625	1545.859028	0	0	3.49265E-06	0.024870636	0.012802486	1.207529873	0.016860068	9.17135E-06	338.9255538	0.000280991	0.000539374	0.001621258	0.015205777	0.042967927
2105	3153.133434	0.001694385	0.002606852	4.30884E-05	0.42729762	0.000179731	1543.708528	0	0	3.48779E-06	0.024836037	0.012784676	1.205850035	0.016836614	9.15859E-06	338.4540623	0.0002806	0.000538624	0.001619002	0.015184624	0.042908153
2106	3148.687137	0.001481013	0.002278574	3.76623E-05	0.373488641	0.000157098	1541.558028	0	0	3.48294E-06	0.024801439	0.012766866	1.204170197	0.016813159	9.14583E-06	337.9825708	0.000280209	0.000537874	0.001616747	0.015163471	0.042848378
2107	3144.247685	0.001294511	0.001991637	3.29196E-05	0.32645575	0.000137315	1539.407528	0	0	3.47808E-06	0.02476684	0.012749056	1.202490359	0.016789704	9.13307E-06	337.5110793	0.000279818	0.000537123	0.001614492	0.015142317	0.042788604
2108	3139.814214	0.001131495	0.001740833	2.8774E-05	0.285345644	0.000120023	1537.257028	0	0	3.47322E-06	0.024732242	0.012731246	1.20081052	0.01676625	9.12032E-06	337.0395878	0.000279427	0.000536373	0.001612236	0.015121164	0.04272883
2109	3135.385973	0.000989008	0.001521612	2.51506E-05	0.249412474	0.000104909	1535.106528	0	0	3.46836E-06	0.024697643	0.012713436	1.199130682	0.016742795	9.10756E-06	336.5680963	0.000279036	0.000535623	0.001609981	0.015100011	0.042669056
2110	3130.962302	0.000864463	0.001329998	2.19834E-05	0.218004318	9.16977E-05	1532.956028	0	0	3.4635E-06	0.024663045	0.012695626	1.197450844	0.01671934	9.0948E-06	336.0966048	0.000278645	0.000534872	0.001607725	0.015078858	0.042609282
2111	3126.542626	0.000755603	0.001162513	1.92151E-05	0.190551346	8.01503E-05	1530.805528	0	0	3.45864E-06	0.024628446	0.012677816	1.195771006	0.016695886	9.08204E-06	335.6251133	0.000278254	0.000534122	0.00160547	0.015057704	0.042549507
2112	3122.126442	0.000660451	0.001016119	1.67953E-05	0.166555847	7.00571E-05	1528.655028	0	0	3.45378E-06	0.024593848	0.012660006	1.194091168	0.016672431	9.06928E-06	335.1536218	0.000277863	0.000533372	0.001603215	0.015036551	0.042489733
2113	3117.713311	0.000577281	0.000888161	1.46803E-05	0.145581392	6.12349E-05	1526.504529	0	0	3.44892E-06	0.02455925	0.012642196	1.19241133	0.016648976	9.05652E-06	334.6821303	0.000277472	0.000532621	0.001600959	0.015015398	0.042429959
2114	3113.302847	0.000504585	0.000776316	1.28316E-05	0.127248536	5.35237E-05	1524.354029	0	0	3.44407E-06	0.024524651	0.012624386	1.190731492	0.016625522	9.04376E-06	334.2106388	0.000277082	0.000531871	0.001598704	0.014994244	0.042370185
2115	3108.894715	0.000441043	0.000678556	1.12158E-05	0.111224309	4.67835E-05	1522.203529	0	0	3.43921E-06	0.024490053	0.012606576	1.189051653	0.016602067	9.03101E-06	333.7391473	0.000276691	0.000531121	0.001596449	0.014973091	0.04231041
2116	3104.488621	0.000385503	0.000593106	9.80339E-06	0.097217991	4.08921E-05	1520.053029	0	0	3.43435E-06	0.024455454	0.012588766	1.187371815	0.016578612	9.01825E-06	333.2676558	0.0002763	0.00053037	0.001594193	0.014951938	0.042250636
2117	3100.084309	0.000336957	0.000518417	8.56886E-06	0.084975468	3.57427E-05	1517.902529	0	0	3.42949E-06	0.024420856	0.012570956	1.185691977	0.016555158	9.00549E-06	332.7961643	0.000275909	0.00052962	0.001591938	0.014930784	0.042190862
2118	3095.681554	0.000294525	0.000453134	7.4898E-06	0.074274629	3.12416E-05	1515.752029	0	0	3.42463E-06	0.024386257	0.012553146	1.184012139	0.016531703	8.99273E-06	332.3246728	0.000275518	0.00052887	0.001589682	0.014909631	0.042131088
2119	3091.28016	0.000257436	0.000396071	6.54662E-06	0.064921331	2.73074E-05	1513.601529	0	0	3.41977E-06	0.024351659	0.012535336	1.182332301	0.016508248	8.97997E-06	331.8531812	0.000275127	0.000528119	0.001587427	0.014888478	0.042071314
2120	3086.879956	0.000225017	0.000346195	5.72221E-06	0.05674588	2.38686E-05	1511.451029	0	0	3.41491E-06	0.024317061	0.012517526	1.180652463	0.016484794	8.96721E-06	331.3816897	0.000274736	0.000527369	0.001585172	0.014867325	0.042011539
WRSF7																					
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	6021.043185	39.49254986	64.14013421	3.143726923	2698.475016	1.5565107	981	0	0	0.00002	0.0386	0.0284	2.21	0.146	0.000044	215.0816874	6.8477E-05	0.023927599	0.002182261	0.0112	0.0237
2030	2455.294523	18.29254986	28.14352688	0.465181329	1112.955131	0.756335259	404.6022203	0	0	9.91884E-07	0.034229519	0.005738985	1.31	0.021017053	1.016E-05	88.70797989	0.000213032	0.0003162	0.002182261	0.016296347	0.040062086
2031	3500.888215	18.29254986	28.14352688	0.465181329	1600.970466	0.756335259	582.0146631	0	0	9.99735E-07	0.033241842	0.006870517	1.31	0.020463537	1.00827E-05	127.6051945	0.000225595	0.000343977	0.002149925	0.016372287	0.040867879
2032	4694.705142	18.29254986	28.14352688	0.465181329	2158.202857	0.756335259	784.5901814	0	0	1.00405E-06	0.031940062	0.008147472	1.31	0.019725242	9.94504E-06	172.0193477	0.00023906	0.000374489	0.002102241	0.016382092	0.041605632
2033	6623.153025	18.29254986	28.14352688	0.465181329	3058.313227	0.756335259	1111.815102	0	0	1.01391E-06	0.029944893	0.010219486	1.31	0.018598384	9.7532E-06	243.7625568	0.000261354	0.00042452	0.002031872	0.016445496	0.042910108
2034	6856.285861	18.29254986	28.14352688	0.465181329	3167.132056	0.756335259	1151.374954	0	0	1.01468E-06	0.029688279	0.010468648	1.31	0.018452743	9.72564E-06	252.435951	0.000263971	0.000430462	0.002022412	0.016446351	0.043051669
2035	9408.316419	18.29254986	28.14352688	0.465181329	4358.164999	0.756335259	1584.361478	0	0	1.04537E-06	0.027709412	0.013267593	1.31	0.017365441	9.65912E-06	347.3671152	0.000296813	0.000501246	0.001970185	0.016822444	0.045470495
2036	6410.124647	18.29254986	28.14352688	0.465181329	2958.846669	0.756335259	1075.655162	0	0	1.01729E-06	0.030333082	0.010005038	1.31	0.018825329	9.82191E-06	235.8345845	0.000259738	0.000420154	0.00205002	0.01651261	0.04294168
2037	5789.12362	15.98899519	24.59945275	0.406601709	2586.243335	0.756335259	1075.655162	0	0	1.01729E-06	0.030333082	0.010005038	1.31	0.018825329	9.82191E-06	235.8345845	0.000259738	0.000420154	0.00205002	0.01651261	0.04294168
2038	5246.324364	13.97552387	21.5016788	0.355398936	2260.561406	0.756335259	1075.655162	0	0	1.01729E-06	0.030333082	0.010005038	1.31	0.018825329	9.82191E-06	235.8345845	0.000259738	0.000420154	0.00205002	0.01651261	0.04294168
2039	4771.879044	12.21560611	18.79400311	0.310644056	1975.892138	0.756335259	1075.655162	0	0	1.01729E-06	0.030333082	0.010005038	1.31	0.018825329	9.82191E-06	235.8345845	0.000259738	0.000420154	0.00205002	0.01651261	0.04294168
2040	4357.179944	10.67731229	16.42730115	0.271525094	1727.070863	0.756335259	1075.655162	0	0	1.01729E-06	0.030333082	0.010005038	1.31	0.018825329	9.82191E-06	235.8345845	0.000259738	0.000420154	0.00205002	0.01651261	0.04294168
2041	3994.70331	9.332733603	14.35863458	0.237332327	1509.583297	0.756335259	1075.655162	0	0	1.01729E-06	0.030333082	0.010005038	1.31	0.018825329	9.82191E-06	235.8345845	0.000259738	0.000420154	0.00205002	0.01651261	0.04294168
2042	3677.872841	8.157475793	12.55047224	0.207445406	1319.483629	0.756335259	1075.655162	0	0	1.01729E-06	0.030333082	0.010005038	1.31	0.018825329	9.82191E-06	235.8345845	0.000259738	0.000420154	0.00205002	0.01651261	0.04294168
2043	3400.94038	7.13021652	10.9700092	0.181322102	1153.32294	0.756335259	1075.655162	0	0	1.01729E-06	0.030333082	0.010005038	1.31	0.018825329	9.82191E-06	235.8345845	0.000259738	0.000420154	0.00205002	0.01651261	0.04294168
2044	3217.89124	6.23231854	9.588571613	0.158488469	1008.08663	0.66109104	1074.275829	0	0	1.01599E-06	0.030294185	0.009992209	1.308320162	0.018801189	9.80932E-06	235.5321693	0.000259405	0.000419615	0.002047391	0.016491435	0.042886615
2045	3086.135029	5.447491569	8.381096488	0.138530242	881.1397209	0.57784079	1072.896496	0	0	1.01469E-06	0.030255288	0.009979379	1.306640324	0.018777049	9.79672E-06	235.2297541	0.000259072	0.000419076	0.002044762	0.016470261	0.04283155
2046	2970.615948	4.761496738	7.32567698	0.121085327	770.1790546	0.505074125	1071.517163	0	0	1.01338E-06	0.030216392	0.009966549	1.304960486	0.018752909	9.78413E-06	234.9273388	0.000258739	0.000418537	0.002042133	0.016449087	0.042776486
2047	2869.28928	4.161888256	6.403164943	0.105837225	673.1915065	0.441470862	1070.137829	0	0	1.01208E-06	0.030177495	0.00995372	1.303280647	0.018728769	9.77153E-06	234.6249236	0.000258406	0.000417999	0.002039505	0.016427912	0.042721421
2048	2780.367793	3.637787613	5.596823529	0.092509294	588.4174618	0.385877067	1068.758496	0	0	1.01077E-06	0.030138598	0.00994089	1.301600809	0.018704629	9.75894E-06	234.3225084	0.000258073	0.00041746	0.002036876	0.016406738	0.042666356
2049	2702.289322	3.179686216	4.892023538	0.080859731	514.3188914	0.337284119	1067.379163	0	0	1.00947E-06	0.030099701	0.00992806	1.299920971	0.018680489	9.74634E-06	234.0200932	0.000257739	0.000416921	0.002034247	0.016385563	0.042611291
2050	2633.68842	2.779272873	4.275978002	0.07067718	449.5514482	0.294810412	1065.99983	0	0	1.00816E-06	0.030060805	0.009915231	1.298241133	0.018656349	9.73375E-06	233.717678	0.000257406	0.000416382	0.002031618	0.016364389	0.042556226
2051	2573.371591	2.429283011	3.737510201	0.061776904	392.9400765	0.257685358	1064.620496	0	0	1.00686E-06	0.030021908	0.009902401	1.296561295	0.018632208	9.72116E-06	233.4152628	0.000257073	0.000415843	0.002028989	0.016343214	0.042501161
2052	2520.295633	2.123366872	3.266850881	0.053997427	343.457694	0.225235409	1063.241163	0	0	1.00555E-06	0.029983011	0.009889571	1.294881457	0.018608068	9.70856E-06	233.1128476	0.00025674	0.000415305	0.002026361	0.01632204	0.042446096
2053	2473.548714	1.855974315	2.855461016	0.047197608	300.2065573	0.196871835	1061.86183	0	0	1.00425E-06	0.029944115	0.009876742	1.293201619	0.018583928	9.69597E-06	232.8104323	0.000256407	0.000414766	0.002023732	0.016300865	0.042391031
2054	2432.333827	1.622254121	2.49587689	0.041254081	262.4019744	0.172080046	1060.482497	0	0	1.00294E-06	0.029905218	0.009863912	1.29152178	0.018559788	9.68337E-06	232.5080171	0.000256074	0.000414227	0.002021103	0.016279691	0.042335966
2055	2395.954332	1.417965977	2.181574678	0.036059013	229.3580686	0.150410252	1059.103163	0	0	1.00164E-06	0.029866321	0.009851082	1.289841942	0.018535648	9.67078E-06	232.2056019	0.000255741	0.000413688	0.002018474	0.016258517	0.042280901
2056	2363.801313	1.239403547	1.906852096	0.031518153	200.4753347	0.131469304	1057.72383	0	0	1.00034E-06	0.029827425	0.009838253	1.288162104	0.018511508	9.65818E-06	231.9031867	0.000255408	0.00041315	0.002015846	0.016237342	0.042225836
2057	2335.342537	1.083327229	1.666724935	0.027549117	175.2297622	0.114913562	1056.344497	0	0	9.99031E-07	0.029788528	0.009825423	1.286482266	0.018487368	9.64559E-06	231.6007715	0.000255075	0.000412611	0.002013217	0.016216168	0.042170771
2058	2310.112794	0.946905379	1.456836645	0.024079896	153.1633286	0.100442662	1054.965163	0	0	9.97727E-07	0.029749631	0.009812594	1.284802428	0.018463228	9.63299E-06	231.2983563	0.000254742	0.000412072	0.002010588	0.016194993	0.042115706
2059	2287.705455	0.827662937	1.273379288	0.021047549	133.8756894	0.087794061	1053.58583	0	0	9.96422E-07	0.029710735	0.009799764	1.28312259	0.018439088	9.6204E-06	230.995941	0.000254409	0.000411533	0.002007959	0.016173819	0.042060641
2060	2267.7651	0.723436526	1.113024453	0.018397061	117.0169151	0.07673828	1052.206497	0	0	9.95118E-07	0.029671838	0.009786934	1.281442751	0.018414948	9.6078E-06	230.6935258	0.000254076	0.000410995	0.00200533	0.016152644	0.042005576

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2061	2249.981064	0.632335198	0.972862874	0.016080346	102.2811421	0.067074738	1050.827164	0	0	9.93813E-07	0.029632941	0.009774105	1.279762913	0.018390808	9.59521E-06	230.3911106	0.000253743	0.000410456	0.002002702	0.01613147	0.041950511
2062	2234.081806	0.552706129	0.850351642	0.014055371	89.40102402	0.058628112	1049.44783	0	0	9.92509E-07	0.029594044	0.009761275	1.278083075	0.018366668	9.58261E-06	230.0886954	0.00025341	0.000409917	0.002000073	0.016110296	0.041895446
2063	2219.829978	0.483104636	0.743268074	0.012285398	78.14288078	0.051245158	1048.068497	0	0	9.91204E-07	0.029555148	0.009748445	1.276403237	0.018342527	9.57002E-06	229.7862802	0.000253077	0.000409378	0.001997444	0.016089121	0.041840382
2064	2207.018121	0.422267959	0.649669388	0.010738315	68.30245944	0.044791928	1046.689164	0	0	9.899E-07	0.029516251	0.009735616	1.274723399	0.018318387	9.55742E-06	229.483865	0.000252743	0.000408839	0.001994815	0.016067947	0.041785317
2065	2195.464903	0.369092359	0.56785745	0.009386055	59.7012283	0.039151345	1045.309831	0	0	9.88595E-07	0.029477354	0.009722786	1.273043561	0.018294247	9.54483E-06	229.1814498	0.00025241	0.000408301	0.001992187	0.016046772	0.041730252
2066	2185.011824	0.322613085	0.496347972	0.008204082	52.1831379	0.034221072	1043.930497	0	0	9.87291E-07	0.029438458	0.009709956	1.271363723	0.018270107	9.53223E-06	228.8790345	0.000252077	0.000407762	0.001989558	0.016025598	0.041675187
2067	2175.520346	0.28198688	0.433843581	0.007170954	45.6117899	0.029911661	1042.551164	0	0	9.85986E-07	0.029399561	0.009697127	1.269683884	0.018245967	9.51964E-06	228.5766193	0.000251744	0.000407223	0.001986929	0.016004423	0.041620122
2068	2166.869375	0.246476675	0.379210279	0.006267926	39.86796235	0.026144928	1041.171831	0	0	9.84682E-07	0.029360664	0.009684297	1.268004046	0.018221827	9.50704E-06	228.2742041	0.000251411	0.000406684	0.0019843	0.015983249	0.041565057
2069	2158.953068	0.21543822	0.33145687	0.005478615	34.84744681	0.022852535	1039.792498	0	0	9.83377E-07	0.029321768	0.009671467	1.266324208	0.018197687	9.49445E-06	227.9717889	0.000251078	0.000406146	0.001981671	0.015962074	0.041509992
2070	2151.678909	0.188308392	0.28971698	0.004788701	30.45915761	0.019974748	1038.413164	0	0	9.82073E-07	0.029282871	0.009658638	1.26464437	0.018173547	9.48185E-06	227.6693737	0.000250745	0.000405607	0.001979043	0.0159409	0.041454927
2071	2144.966034	0.164594986	0.253233335	0.004185667	26.62347941	0.017459356	1037.033831	0	0	9.80768E-07	0.029243974	0.009645808	1.262964532	0.018149407	9.46926E-06	227.3669585	0.000250412	0.000405068	0.001976414	0.015919726	0.041399862
2072	2138.743761	0.143867774	0.221344023	0.003658572	23.27082268	0.015260725	1035.654498	0	0	9.79464E-07	0.029205078	0.009632978	1.261284694	0.018125267	9.45666E-06	227.0645433	0.000250079	0.000404529	0.001973785	0.015898551	0.041344797
2073	2132.95031	0.125750711	0.193470486	0.003197853	20.34036122	0.013338963	1034.275165	0	0	9.78159E-07	0.029166181	0.009620149	1.259604856	0.018101127	9.44407E-06	226.762128	0.000249746	0.00040399	0.001971156	0.015877377	0.041289732
2074	2127.531678	0.109915103	0.169107024	0.002795152	17.77892859	0.011659207	1032.895831	0	0	9.76855E-07	0.029127284	0.009607319	1.257925017	0.018076987	9.43147E-06	226.4597128	0.000249413	0.000403452	0.001968528	0.015856202	0.041234667
2075	2122.440666	0.096073652	0.147811618	0.002443162	15.54005351	0.010190979	1031.516498	0	0	9.7555E-07	0.029088387	0.009594489	1.256245179	0.018052846	9.41888E-06	226.1572976	0.00024908	0.000402913	0.001965899	0.015835028	0.041179602
2076	2117.636018	0.083975234	0.129197912	0.002135498	13.58311677	0.008907644	1030.137165	0	0	9.74246E-07	0.029049491	0.00958166	1.254565341	0.018028706	9.40628E-06	225.8548824	0.000248747	0.000402374	0.00196327	0.015813853	0.041124537
2077	2113.081671	0.073400353	0.112928204	0.001866578	11.87261428	0.007785917	1028.757831	0	0	9.72941E-07	0.029010594	0.00956883	1.252885503	0.018004566	9.39369E-06	225.5524672	0.000248414	0.000401835	0.001960641	0.015792679	0.041069472
2078	2108.746106	0.064157151	0.098707316	0.001631523	10.37751293	0.006805448	1027.378498	0	0	9.71637E-07	0.028971697	0.009556	1.251205665	0.017980426	9.38109E-06	225.250052	0.000248081	0.000401297	0.001958012	0.015771505	0.041014407
2079	2104.601771	0.056077933	0.086277245	0.001426067	9.07068755	0.005948447	1025.999165	0	0	9.70332E-07	0.028932801	0.009543171	1.249525827	0.017956286	9.3685E-06	224.9476367	0.000247747	0.000400758	0.001955384	0.01575033	0.040959342
2080	2100.624586	0.049016119	0.075412475	0.001246485	7.928428825	0.005199368	1024.619832	0	0	9.69028E-07	0.028893904	0.009530341	1.247845989	0.017932146	9.35591E-06	224.6452215	0.000247414	0.000400219	0.001952755	0.015729156	0.040904278
2081	2096.793502	0.042843589	0.06591589	0.001089517	6.930013109	0.004544619	1023.240498	0	0	9.67723E-07	0.028855007	0.009517512	1.24616615	0.017908006	9.34331E-06	224.3428063	0.000247081	0.00039968	0.001950126	0.015707981	0.040849213
2082	2093.09012	0.037448357	0.057615196	0.000952315	6.057326458	0.003972322	1021.861165	0	0	9.66419E-07	0.028816111	0.009504682	1.244486312	0.017883866	9.33072E-06	224.0403911	0.000246748	0.000399142	0.001947497	0.015686807	0.040794148
2083	2089.498358	0.032732539	0.050359796	0.000832392	5.294535991	0.003472093	1020.481832	0	0	9.65114E-07	0.028777214	0.009491852	1.242806474	0.017859726	9.31812E-06	223.7379759	0.000246415	0.000398603	0.001944869	0.015665632	0.040739083
2084	2086.004161	0.028610577	0.044018059	0.00072757	4.627802637	0.003034857	1019.102499	0	0	9.6381E-07	0.028738317	0.009479023	1.241126636	0.017835586	9.30553E-06	223.4355607	0.000246082	0.000398064	0.00194224	0.015644458	0.040684018
2085	2082.595243	0.025007688	0.038474928	0.000635948	4.045030062	0.002652682	1017.723165	0	0	9.62505E-07	0.028699421	0.009466193	1.239446798	0.017811446	9.29293E-06	223.1331455	0.000245749	0.000397525	0.001939611	0.015623283	0.040628953
2086	2079.260864	0.021858506	0.033629835	0.000555864	3.535645205	0.002318633	1016.343832	0	0	9.61201E-07	0.028660524	0.009453363	1.23776696	0.017787306	9.28034E-06	222.8307302	0.000245416	0.000396986	0.001936982	0.015602109	0.040573888
2087	2075.991638	0.019105895	0.029394878	0.000485865	3.090406455	0.002026651	1014.964499	0	0	9.59896E-07	0.028621627	0.009440534	1.236087122	0.017763166	9.26774E-06	222.528315	0.000245083	0.000396448	0.001934353	0.015580935	0.040518823
2088	2072.77936	0.016699917	0.025693223	0.000424681	2.701235985	0.001771438	1013.585166	0	0	9.58592E-07	0.02858273	0.009427704	1.234407283	0.017739025	9.25515E-06	222.2258998	0.00024475	0.000395909	0.001931725	0.01555976	0.040463758
2089	2069.616859	0.01459692	0.022457712	0.000371201	2.361073197	0.001548363	1012.205832	0	0	9.57287E-07	0.028543834	0.009414874	1.232727445	0.017714885	9.24255E-06	221.9234846	0.000244417	0.00039537	0.001929096	0.015538586	0.040408693
2090	2066.497867	0.012758751	0.019629645	0.000324456	2.063746622	0.00135338	1010.826499	0	0	9.55983E-07	0.028504937	0.009402045	1.231047607	0.017690745	9.22996E-06	221.6210694	0.000244084	0.000394831	0.001926467	0.015517411	0.040353628
2091	2063.416904	0.01115206	0.017157711	0.000283598	1.803861958	0.001182951	1009.447166	0	0	9.54678E-07	0.02846604	0.009389215	1.229367769	0.017666605	9.21736E-06	221.3186542	0.000243751	0.000394293	0.001923838	0.015496237	0.040298563
2092	2060.369181	0.009747697	0.014997065	0.000247885	1.576704199	0.001033984	1008.067833	0	0	9.53374E-07	0.028427144	0.009376385	1.227687931	0.017642465	9.20477E-06	221.016239	0.000243418	0.000393754	0.00192121	0.015475062	0.040243498
2093	2057.350513	0.008520183	0.013108506	0.000216669	1.378152091	0.000903776	1006.688499	0	0	9.52069E-07	0.028388247	0.009363556	1.226008093	0.017618325	9.19217E-06	220.7138237	0.000243085	0.000393215	0.001918581	0.015453888	0.040188433
2094	2054.357241	0.007447249	0.011457771	0.000189384	1.204603367	0.000789964	1005.309166	0	0	9.50765E-07	0.02834935	0.009350726	1.224328254	0.017594185	9.17958E-06	220.4114085	0.000242751	0.000392676	0.001915952	0.015432714	0.040133368
2095	2051.386167	0.006509427	0.01001491	0.000165535	1.052909386	0.000690485	1003.929833	0	0	9.4946E-07	0.028310454	0.009337896	1.222648416	0.017570045	9.16698E-06	220.1089933	0.000242418	0.000392138	0.001913323	0.015411539	0.040078303
2096	2048.434495	0.005689704	0.008753747	0.00014469	0.920318011	0.000603533	1002.550499	0	0	9.48156E-07	0.028271557	0.009325067	1.220968578	0.017545905	9.15439E-06	219.8065781	0.000242085	0.000391599	0.001910694	0.015390365	0.040023238
2097	2045.499782	0.004973208	0.0076514	0.000126469	0.804423679	0.000527531	1001.171166	0	0	9.46851E-07	0.02823266	0.009312237	1.21928874	0.017521765	9.14179E-06	219.5041629	0.000241752	0.00039106	0.001908066	0.01536919	0.039968174
2098	2042.579892	0.004346939	0.00668787	0.000110543	0.703123754	0.0004611	999.7918329	0	0	9.45547E-07	0.028193764	0.009299407	1.217608902	0.017497625	9.1292E-06	219.2017477	0.000241419	0.000390521	0.001905437	0.015348016	0.039913109
2099	2039.67296	0.003799535	0.005845676	9.66226E-05	0.614580384	0.000403034	998.4124997	0	0	9.44242E-07	0.028154867	0.009286578	1.215929064	0.017473485	9.1166E-06	218.8993325	0.000241086	0.000389982	0.001902808	0.015326841	0.039858044
2100	2036.777352	0.003321065	0.005109539	8.4455E-05	0.537187154	0.000352281	997.0331664	0	0	9.42938E-07	0.02811597	0.009273748	1.214249226	0.017449344	9.10401E-06	218.5969172	0.000240753	0.000389444	0.001900179	0.015305667	0.039802979
2101	2033.891643	0.002902848	0.004466102	7.38197E-05	0.469539943	0.000307919	995.6538331	0	0	9.41633E-07	0.028077073	0.009260918	1.212569387	0.017425204	9.09141E-06	218.294502	0.00024042	0.000388905	0.00189755	0.015284493	0.039747914
2102	2031.014587	0.002537297	0.003903692	6.45237E-05	0.410411449	0.000269143	994.2744999	0	0	9.40329E-07	0.028038177	0.009248089	1.210889549	0.017401064	9.07882E-06	217.9920868	0.000240087	0.000388366	0.001894922	0.015263318	0.039692849
2103	2028.145094	0.002217779	0.003412106	5.63983E-05	0.358728922	0.00023525	992.8951666	0	0	9.39024E-07	0.02799928	0.009235259	1.209209711	0.017376924	9.06622E-06	217.6896716	0.000239754	0.000387827	0.001892293	0.015242144	0.039637784
2104	2025.282211	0.001938497	0.002982424	4.92962E-05	0.313554701	0.000205625	991.5158333	0	0	9.3772E-07	0.027960383	0.00922243	1.207529873	0.017352784	9.05363E-06	217.3872564	0.000239421	0.000387289	0.001889664	0.015220969	0.039582719
2105	2022.425106	0.001694385	0.002606852	4.30884E-05	0.274069205	0.000179731	990.1365001	0	0	9.36415E-07	0.027921487	0.0092096	1.205850035	0.017328644	9.04103E-06	217.0848412	0.000239088	0.00038675	0.001887035	0.015199795	0.039527654
2106	2019.573052	0.001481013	0.002278574	3.76623E-05	0.239556062	0.000157098	988.7571668	0	0	9.35111E-07	0.02788259	0.00919677	1.204170197	0.017304504	9.02844E-06	216.7824259	0.000238755	0.000386211	0.001884407	0.01517862	0.039472589
2107	2016.725411	0.001294511	0.001991637	3.29196E-05	0.209389109	0.000137315	987.3778336	0	0	9.33806E-07	0.027843693	0.009183941	1.202490359	0.017280364	9.01584E-06	216.4800107	0.000238422	0.000385672	0.001881778	0.015157446	0.039417524
2108	2013.88163	0.001131495	0.001740833	2.8774E-05	0.183021038	0.000120023	985.9985003	0	0	9.32502E-07	0.027804797	0.009171111	1.20081052	0.017256224	9.00325E-06	216.1775955	0.000238089	0.000385133	0.001879149	0.015136271	0.039362459
2109	2011.041221	0.000989008	0.001521612	2.51506E-05	0.15997346	0.000104909	984.619167	0	0	9.31197E-07	0.0277659	0.009158281	1.199130682	0.017232084	8.99066E-06	215.8751803	0.000237755	0.000384595	0.00187652	0.015115097	0.039307394
2110	2008.20376	0.000864463	0.001329998	2.19834E-05	0.139828231	9.16977E-05	983.2398338	0	0	9.29893E-07	0.027727003	0.009145452	1.197450844	0.017207944	8.97806E-06	215.5727651	0.000237422	0.000384056	0.001873891	0.015093923	0.039252329
2111	2005.368875	0.000755603	0.001162513	1.92151E-05	0.122219861	8.01503E-05	981.8605005	0	0	9.28588E-07	0.027688107	0.009132622	1.195771006	0.017183804	8.96547E-06	215.2703499	0.000237089	0.000383517	0.001871263	0.015072748	0.039197264
2112	2002.536243	0.000660451	0.001016119	1.67953E-05	0.106828889	7.00571E-05	980.4811672	0	0	9.27284E-07	0.02764921	0.009119792	1.194091168	0.017159663	8.95287E-06	214.9679347	0.000236756	0.000382978	0.001868634	0.015051574	0.039142199
2113	1999.705579	0.000577281	0.000888161	1.46803E-05	0.093376079	6.12349E-05	979.101834	0	0	9.25979E-07	0.027610313	0.009106963	1.19241133	0.017135523	8.94028E-06	214.6655194	0.000236423	0.00038244	0.001866005	0.015030399	0.039087134
2114	1996.876636	0.000504585	0.000776316	1.28316E-05	0.081617363	5.35237E-05	977.7225007	0	0	9.24675E-07	0.027571416	0.009094133	1.190731492	0.017111383	8.92768E-06	214.3631042	0.00023609	0.000381901	0.001863376	0.015009225	0.03903207
2115	1994.049197	0.000441043	0.000678556	1.12158E-05	0.071339405	4.67835E-05	976.3431674	0	0	9.2337E-07	0.02753252	0.009081303	1.189051653	0.017087243	8.91509E-06	214.060689	0.000235757	0.000381362	0.001860748	0.01498805	0.038977005
2116	1991.223073	0.000385503	0.000593106	9.80339E-06	0.062355736	4.08921E-05	974.9638342	0	0	9.22066E-07	0.027493623	0.009068474	1.187371815	0.017063103	8.90249E-06	213.7582738	0.000235424	0.000380823	0.001858119	0.014966876	0.03892194
2117	1988.398098	0.000336957	0.000518417	8.56886E-06	0.054503367	3.57427E-05	973.5845009	0	0	9.20761E-07	0.027454726	0.009055644	1.185691977	0.017038963	8.8899E-06	213.4558586	0.000235091	0.000380285	0.00185549	0.014945702	0.038866875
2118	1985.574127	0.000294525	0.000453134	7.4898E-06	0.047639836	3.12416E-05	972.2051677	0	0	9.19457E-07	0.02741583	0.009042814	1.184012139	0.017014823	8.8773E-06	213.1534434	0.000234758	0.000379746	0.001852861	0.014924527	0.03881181
2119	1982.751033	0.000257436	0.000396071	6.54662E-06	0.041640619	2.73074E-05	970.8258344	0	0	9.18152E-07	0.027376933	0.009029985	1.182332301	0.016990683	8.86471E-06	212.8510282	0.000234425	0.000379207	0.001850232	0.014903353	0.038756745
2120	1979.928708	0.000225017	0.000346195	5.72221E-06	0.036396876	2.38686E-05	969.4465011	0	0	9.16848E-07	0.027338036	0.009017155	1.180652463	0.016966543	8.85211E-06	212.5486129	0.000234092	0.000378668	0.001847604	0.014882178	0.03870168
WRSF8																					
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	2857.167737	18.29254986	28.14352688	0.465181329	1273.663246	0.756335259	463.0258337	0	0	5.71372E-06	0.038194796	0.013960381	1.31	0.143301844	3.27094E-05	101.5172045	0.000254165	0.007122204	0.00129752	0.005626411	0.046097805
2032	5008.25767	18.29254986	28.14352688	0.465181329	3160.079944	0.756335259	467.8288231	0	0	3.03217E-06	0.038097	0.016812562	1.31	0.148220921	3.31063E-05	102.5702474	0.000252219	0.008497588	0.001391309	0.005480186	0.041695995
2033	5017.600953	18.29254986	28.14352688	0.465181329	3160.079994	0.756335259	475.3157528	0	0	3.06522E-06	0.037804802	0.016572122	1.31	0.14748147	3.29886E-05	104.2117371	0.00025137	0.008401234	0.001386513	0.005435079	0.042667657

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2034	5021.806545	18.29254986	28.14352688	0.465181329	3160.079994	0.756335259	478.9039179	0	0	3.21111E-06	0.03766045	0.01631223	1.31	0.146867569	3.29095E-05	104.998433	0.000251031	0.008285903	0.001379554	0.005419105	0.043375125
2035	5011.531089	18.29254986	28.14352688	0.465181329	3160.079994	0.756335259	470.822658	0	0	3.26643E-06	0.037972825	0.016470544	1.31	0.147484146	3.30206E-05	103.2266379	0.000251994	0.008341521	0.001381469	0.005471741	0.042495505
2036	5004.780279	18.29254986	28.14352688	0.465181329	3160.079994	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2037	4466.029703	15.98899519	24.59945275	0.406601709	2762.135635	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2038	3995.123217	13.97552387	21.5016788	0.355398936	2414.30384	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2039	3583.517312	12.21560611	18.79400311	0.310644056	2110.274006	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2040	3223.744351	10.67731229	16.42730115	0.271525094	1844.530215	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2041	2909.277085	9.332733603	14.35863458	0.237332327	1612.25116	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2042	2634.410232	8.157475793	12.55047224	0.207445406	1409.222675	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2043	2394.15697	7.13021652	10.9700092	0.181322102	1231.761277	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2044	2137.303279	6.23231854	9.588571613	0.158488469	1076.647339	0.66109104	464.5973998	0	0	3.74447E-06	0.037996576	0.015989984	1.305296938	0.146385253	3.28843E-05	101.8617663	0.000251868	0.008098856	0.001361144	0.005501542	0.042702226
2045	1995.965713	5.447491569	8.381096488	0.138530242	941.0666775	0.57784079	462.9234279	0	0	3.73098E-06	0.037859673	0.015932371	1.300593876	0.145857818	3.27658E-05	101.4947523	0.00025096	0.008069675	0.001356239	0.005481719	0.042548367
2046	1871.952514	4.761496738	7.32567698	0.121085327	822.5594952	0.505074125	461.2494559	0	0	3.71748E-06	0.037722769	0.015874758	1.295890814	0.145330383	3.26473E-05	101.1277383	0.000250053	0.008040494	0.001351335	0.005461897	0.042394509
2047	1763.082048	4.161888256	6.403164943	0.105837225	718.9757531	0.441470862	459.575484	0	0	3.70399E-06	0.037585865	0.015817145	1.291187751	0.144802949	3.25288E-05	100.7607243	0.000249145	0.008011314	0.001346431	0.005442074	0.04224065
2048	1667.447414	3.637787613	5.596823529	0.092509294	628.4361636	0.385877067	457.901512	0	0	3.6905E-06	0.037448961	0.015759532	1.286484689	0.144275514	3.24103E-05	100.3937104	0.000248238	0.007982133	0.001341527	0.005422252	0.042086791
2049	1583.381842	3.179686216	4.892023538	0.080859731	549.2980953	0.337284119	456.2275401	0	0	3.67701E-06	0.037312057	0.015701919	1.281781627	0.143748079	3.22919E-05	100.0266964	0.00024733	0.007952952	0.001336622	0.00540243	0.041932933
2050	1509.428456	2.779272873	4.275978002	0.07067718	480.1257708	0.294810412	454.5535682	0	0	3.66352E-06	0.037175153	0.015644306	1.277078565	0.143220644	3.21734E-05	99.65968241	0.000246423	0.007923772	0.001331718	0.005382607	0.041779074
2051	1444.313844	2.429283011	3.737510201	0.061776904	419.6642184	0.257685358	452.8795962	0	0	3.65003E-06	0.037038249	0.015586694	1.272375503	0.14269321	3.20549E-05	99.29266843	0.000245516	0.007894591	0.001326814	0.005362785	0.041625216
2052	1386.92495	2.123366872	3.266850881	0.053997427	366.8165029	0.225235409	451.2056243	0	0	3.63654E-06	0.036901345	0.015529081	1.267672441	0.142165775	3.19364E-05	98.92565446	0.000244608	0.00786541	0.00132191	0.005342963	0.041471357
2053	1336.288887	1.855974315	2.855461016	0.047197608	320.6238247	0.196871835	449.5316523	0	0	3.62304E-06	0.036764441	0.015471468	1.262969378	0.14163834	3.18179E-05	98.55864048	0.000243701	0.00783623	0.001317005	0.00532314	0.041317498
2054	1291.55528	1.622254121	2.49587689	0.041254081	280.2481245	0.172080046	447.8576804	0	0	3.60955E-06	0.036627537	0.015413855	1.258266316	0.141110906	3.16994E-05	98.19162651	0.000242793	0.007807049	0.001312101	0.005303318	0.04116364
2055	1251.980841	1.417965977	2.181574678	0.036059013	244.9568785	0.150410252	446.1837084	0	0	3.59606E-06	0.036490633	0.015356242	1.253563254	0.140583471	3.1581E-05	97.82461253	0.000241886	0.007777868	0.001307197	0.005283495	0.041009781
2056	1216.915884	1.239403547	1.906852096	0.031518153	214.1098088	0.131469304	444.5097365	0	0	3.58257E-06	0.036353729	0.015298629	1.248860192	0.140056036	3.14625E-05	97.45759855	0.000240978	0.007748688	0.001302292	0.005263673	0.040855922
2057	1185.792535	1.083327229	1.666724935	0.027549117	187.1472664	0.114913562	442.8357645	0	0	3.56908E-06	0.036216826	0.015241016	1.24415713	0.139528601	3.1344E-05	97.09058458	0.000240071	0.007719507	0.001297388	0.005243851	0.040702064
2058	1158.114435	0.946905379	1.456836645	0.024079896	163.5800785	0.100442662	441.1617926	0	0	3.55559E-06	0.036079922	0.015183404	1.239454068	0.139001167	3.12255E-05	96.7235706	0.000239163	0.007690326	0.001292484	0.005224028	0.040548205
2059	1133.447727	0.827662937	1.273379288	0.021047549	142.9806729	0.087794061	439.4878206	0	0	3.54209E-06	0.035943018	0.015125791	1.234751005	0.138473732	3.1107E-05	96.35655663	0.000238256	0.007661146	0.00128758	0.005204206	0.040394346
2060	1111.413191	0.723436526	1.113024453	0.018397061	124.975321	0.07673828	437.8138487	0	0	3.5286E-06	0.035806114	0.015068178	1.230047943	0.137946297	3.09885E-05	95.98954265	0.000237348	0.007631965	0.001282675	0.005184383	0.040240488
2061	1091.679362	0.632335198	0.972862874	0.016080346	109.2373574	0.067074738	436.1398768	0	0	3.51511E-06	0.03566921	0.015010565	1.225344881	0.137418862	3.087E-05	95.62252867	0.000236441	0.007602784	0.001277771	0.005164561	0.040086629
2062	1073.956515	0.552706129	0.850351642	0.014055371	95.48125303	0.058628112	434.4659048	0	0	3.50162E-06	0.035532306	0.014952952	1.220641819	0.136891428	3.07516E-05	95.2555147	0.000235533	0.007573604	0.001272867	0.005144739	0.03993277
2063	1057.991409	0.483104636	0.743268074	0.012285398	83.45743524	0.051245158	432.7919329	0	0	3.48813E-06	0.035395402	0.014895339	1.215938757	0.136363993	3.06331E-05	94.88850072	0.000234626	0.007544423	0.001267962	0.005124916	0.039778912
2064	1043.562696	0.422267959	0.649669388	0.010738315	72.94775964	0.044791928	431.1179609	0	0	3.47464E-06	0.035258498	0.014837726	1.211235695	0.135836558	3.05146E-05	94.52148675	0.000233718	0.007515242	0.001263058	0.005105094	0.039625053
2065	1030.476898	0.369092359	0.56785745	0.009386055	63.76155248	0.039151345	429.443989	0	0	3.46115E-06	0.035121594	0.014780114	1.206532632	0.135309123	3.03961E-05	94.15447277	0.000232811	0.007486062	0.001258154	0.005085272	0.039471194
2066	1018.564906	0.322613085	0.496347972	0.008204082	55.73215126	0.034221072	427.770017	0	0	3.44765E-06	0.03498469	0.014722501	1.20182957	0.134781689	3.02776E-05	93.78745879	0.000231903	0.007456881	0.00125325	0.005065449	0.039317336
2067	1007.678902	0.28198688	0.433843581	0.007170954	48.71388107	0.029911661	426.0960451	0	0	3.43416E-06	0.034847786	0.014664888	1.197126508	0.134254254	3.01591E-05	93.42044482	0.000230996	0.0074277	0.001248345	0.005045627	0.039163477
2068	997.689687	0.246476675	0.379210279	0.006267926	42.57941162	0.026144928	424.4220731	0	0	3.42067E-06	0.034710882	0.014607275	1.192423446	0.133726819	3.00407E-05	93.05343084	0.000230088	0.00739852	0.001243441	0.005025804	0.039009618
2069	988.4843281	0.21543822	0.33145687	0.005478615	37.21744714	0.022852535	422.7481012	0	0	3.40718E-06	0.034573979	0.014549662	1.187720384	0.133199385	2.99222E-05	92.68641686	0.000229181	0.007369339	0.001238537	0.005005982	0.03885576
2070	979.9641158	0.188308392	0.28971698	0.004788701	32.53070719	0.019974748	421.0741293	0	0	3.39369E-06	0.034437075	0.014492049	1.183017322	0.13267195	2.98037E-05	92.31940289	0.000228273	0.007340159	0.001233632	0.00498616	0.038701901
2071	972.0427707	0.164594986	0.253233335	0.004185667	28.43416171	0.017459356	419.4001573	0	0	3.3802E-06	0.034300171	0.014434436	1.178314259	0.132144515	2.96852E-05	91.95238891	0.000227366	0.007310978	0.001228728	0.004966337	0.038548043
2072	964.6448783	0.143867774	0.221344023	0.003658572	24.85348834	0.015260725	417.7261854	0	0	3.3667E-06	0.034163267	0.014376824	1.173611197	0.13161708	2.95667E-05	91.58537494	0.000226458	0.007281797	0.001223824	0.004946515	0.038394184
2073	957.7045209	0.125750711	0.193470486	0.003197853	21.72372406	0.013338963	416.0522134	0	0	3.35321E-06	0.034026363	0.014319211	1.168908135	0.131089646	2.94482E-05	91.21836096	0.000225551	0.007252617	0.00121892	0.004926693	0.038240325
2074	951.1640817	0.109915103	0.169107024	0.002795152	18.98808652	0.011659207	414.3782415	0	0	3.33972E-06	0.033889459	0.014261598	1.164205073	0.130562211	2.93298E-05	90.85134698	0.000224643	0.007223436	0.001214015	0.00490687	0.038086467
2075	944.9731997	0.096073652	0.147811618	0.002443162	16.59694391	0.010190979	412.7042695	0	0	3.32623E-06	0.033752555	0.014203985	1.159502011	0.130034776	2.92113E-05	90.48433301	0.000223736	0.007194255	0.001209111	0.004887048	0.037932608
2076	939.0878555	0.083975234	0.129197912	0.002135498	14.50691448	0.008907644	411.0302976	0	0	3.31274E-06	0.033615651	0.014146372	1.154798949	0.129507341	2.90928E-05	90.11731903	0.000222828	0.007165075	0.001204207	0.004867225	0.037778749
2077	933.4695734	0.073400353	0.112928204	0.001866578	12.68007946	0.007785917	409.3563256	0	0	3.29925E-06	0.033478747	0.014088759	1.150095886	0.128979907	2.89743E-05	89.75030506	0.000221921	0.007135894	0.001199302	0.004847403	0.037624891
2078	928.0847224	0.064157151	0.098707316	0.001631523	11.08329517	0.006805448	407.6823537	0	0	3.28576E-06	0.033341843	0.014031146	1.145392824	0.128452472	2.88558E-05	89.38329108	0.000221013	0.007106713	0.001194398	0.004827581	0.037471032
2079	922.9039071	0.056077933	0.086277245	0.001426067	9.687591642	0.005948447	406.0083817	0	0	3.27226E-06	0.033204939	0.013973534	1.140689762	0.127925037	2.87373E-05	89.0162771	0.000220106	0.007077533	0.001189494	0.004807758	0.037317173
2080	917.9014333	0.049016119	0.075412475	0.001246485	8.467647066	0.005199368	404.3344098	0	0	3.25877E-06	0.033068036	0.013915921	1.1359867	0.127397602	2.86189E-05	88.64926313	0.000219198	0.007048352	0.00118459	0.004787936	0.037163315
2081	913.054843	0.042843589	0.06591589	0.001089517	7.401328367	0.004544619	402.6604379	0	0	3.24528E-06	0.032931132	0.013858308	1.131283638	0.126870168	2.85004E-05	88.28224915	0.000218291	0.007019171	0.001179685	0.004768113	0.037009456
2082	908.3445058	0.037448357	0.057615196	0.000952315	6.469289659	0.003972322	400.9864659	0	0	3.23179E-06	0.032794228	0.013800695	1.126580576	0.126342733	2.83819E-05	87.91523518	0.000217383	0.006989991	0.001174781	0.004748291	0.036855597
2083	903.7532636	0.032732539	0.050359796	0.000832392	5.654621255	0.003472093	399.312494	0	0	3.2183E-06	0.032657324	0.013743082	1.121877513	0.125815298	2.82634E-05	87.5482212	0.000216476	0.00696081	0.001169877	0.004728469	0.036701739
2084	899.266119	0.028610577	0.044018059	0.00072757	4.942542878	0.003034857	397.638522	0	0	3.20481E-06	0.03252042	0.013685469	1.117174451	0.125287863	2.81449E-05	87.18120722	0.000215568	0.006931629	0.001164973	0.004708646	0.03654788
2085	894.869963	0.025007688	0.038474928	0.000635948	4.320135514	0.002652682	395.9645501	0	0	3.19131E-06	0.032383516	0.013627856	1.112471389	0.124760429	2.80264E-05	86.81419325	0.000214661	0.006902449	0.001160068	0.004688824	0.036394021
2086	890.5533377	0.021858506	0.033629835	0.000555864	3.77610702	0.002318633	394.2905781	0	0	3.17782E-06	0.032246612	0.013570244	1.107768327	0.124232994	2.79079E-05	86.44717927	0.000213753	0.006873268	0.001155164	0.004669002	0.036240163
2087	886.3062278	0.019105895	0.029394878	0.000485865	3.300587258	0.002026651	392.6166062	0	0	3.16433E-06	0.032109708	0.013512631	1.103065265	0.123705559	2.77895E-05	86.08016529	0.000212846	0.006844087	0.00115026	0.004649179	0.036086304
2088	882.1198794	0.016699917	0.025693223	0.000424681	2.88494902	0.001771438	390.9426342	0	0	3.15084E-06	0.031972804	0.013455018	1.098362203	0.123178125	2.7671E-05	85.71315132	0.000211938	0.006814907	0.001145355	0.004629357	0.035932446
2089	877.9866408	0.01459692	0.022457712	0.000371201	2.521651511	0.001548363	389.2686623	0	0	3.13735E-06	0.0318359	0.013397405	1.09365914	0.12265069	2.75525E-05	85.34613734	0.000211031	0.006785726	0.001140451	0.004609534	0.035778587
2090	873.899824	0.012758751	0.019629645	0.000324456	2.204103538	0.00135338	387.5946904	0	0	3.12386E-06	0.031698996	0.013339792	1.088956078	0.122123255	2.7434E-05	84.97912337	0.000210123	0.006756545	0.001135547	0.004589712	0.035624728
2091	869.8535832	0.01115206	0.017157711	0.000283598	1.926543929	0.001182951	385.9207184	0	0	3.11037E-06	0.031562092	0.013282179	1.084253016	0.12159582	2.73155E-05	84.61210939	0.000209216	0.006727365	0.001130643	0.00456989	0.03547087
2092	865.8428087	0.009747697	0.014997065	0.000247885	1.683937004	0.001033984	384.2467465	0	0	3.09687E-06	0.031425189	0.013224566	1.079549954	0.121068386	2.7197E-05	84.24509541	0.000208308	0.006698184	0.001125738	0.004550067	0.035317011
2093	861.8630343	0.008520183	0.013108506	0.000216669	1.471881223	0.000903776	382.5727745	0	0	3.08338E-06	0.031288285	0.013166954	1.074846892	0.120540951	2.70786E-05	83.87808144	0.000207401	0.006669003	0.001120834	0.004530245	0.035163152
2094	857.9103562	0.007447249	0.011457771	0.000189384	1.286529323	0.000789964	380.8988026	0	0	3.06989E-06	0.031151381	0.013109341	1.07014383	0.120013516	2.69601E-05	83.51106746	0.000206493	0.006639823	0.00111593	0.004510423	0.035009294
2095	853.9813621	0.006509427	0.01001491	0.000165535	1.124518523	0.000690485	379.2248306	0	0	3.0564E-06	0.031014477	0.013051728	1.065440767	0.119486081	2.68416E-05	83.14405349	0.000205586	0.006610642	0.001111025	0.0044906	0.034855435
2096	850.0730697	0.005689704	0.008753747	0.00014469	0.982909512	0.000603533	377.5508587	0	0	3.04291E-06	0.030877573	0.012994115	1.060737705	0.118958647	2.67231E-05	82.77703951	0.000204678	0.006581461	0.001106121	0.004470778	0.034701576
2097	846.1828719	0.004973208	0.0076514	0.000126469	0.859133121	0.000527531	375.8768867	0	0	3.02942E-06	0.030740669	0.012936502	1.056034643	0.118431212	2.66046E-05	82.41002553	0.000203771	0.006552281	0.001101217	0.004450955	0.034547718
2098	842.3084901	0.004346939	0.00668787	0.000110543	0.750943715	0.0004611	374.2029148	0	0	3.01592E-06	0.030603765	0.012878889	1.051331581	0.117903777	2.64861E-05	82.04301156	0.000202863	0.0065231	0.001096313	0.004431133	0.034393859
2099	838.4479327	0.003799535	0.005845676	9.66226E-05	0.656378445	0.000403034	372.5289428	0	0	3.00243E-06	0.030466861	0.012821276	1.046628519	0.117376342	2.63677E-05	81.67599758	0.000201956	0.006493919	0.001091408	0.004411311	0.03424
2100	834.5994587	0.003321065	0.005109539	8.4455E-05	0.573721646	0.000352281	370.8549709	0	0	2.98894E-06	0.030329957	0.012763663	1.041925457	0.116848908	2.62492E-05	81.30898361	0.000201048	0.006464739	0.001086504	0.004391488	0.034086142
2101	830.7615466	0.002902848	0.004466102	7.38197E-05	0.501473698	0.000307919	369.180999	0	0	2.97545E-06	0.030193053	0.012706051	1.037222394	0.116321473	2.61307E-05	80.94196963	0.000200141	0.006435558	0.0010816	0.004371666	0.033932283
2102	826.9328662	0.002537297	0.003903692	6.45237E-05	0.438323832	0.000269143	367.507027	0	0	2.96196E-06	0.030056149	0.012648438	1.032519332	0.115794038	2.60122E-05	80.57495565	0.000199233	0.006406378	0.001076695	0.004351844	0.033778424
2103	823.112255	0.002217779	0.003412106	5.63983E-05	0.383126338	0.00023525	365.8330551	0	0	2.94847E-06	0.029919245	0.012590825	1.02781627	0.115266604	2.58937E-05	80.20794168	0.000198326	0.006377197	0.001071791	0.004332021	0.033624566
2104	819.298697	0.001938497	0.002982424	4.92962E-05	0.334879785	0.000205625	364.1590831	0	0	2.93498E-06	0.029782342	0.012533212	1.023113208	0.114739169	2.57752E-05	79.8409277	0.000197418	0.006348016	0.001066887	0.004312199	0.033470707
2105	815.4913038	0.001694385	0.002606852	4.30884E-05	0.292708853	0.000179731	362.4851112	0	0	2.92148E-06	0.029645438	0.012475599	1.018410146	0.114211734	2.56568E-05	79.47391372	0.000196511	0.006318836	0.001061983	0.004292376	0.033316848
2106	811.6892992	0.001481013	0.002278574	3.76623E-05	0.255848445	0.000157098	360.8111392	0	0	2.90799E-06	0.029508534	0.012417986	1.013707084	0.113684299	2.55383E-05	79.10689975	0.000195603	0.006289655	0.001057078	0.004272554	0.03316299
2107	807.8920045	0.001294511	0.001991637	3.29196E-05	0.223629816	0.000137315	359.1371673	0	0	2.8945E-06	0.02937163	0.012360373	1.009004021	0.113156865	2.54198E-05	78.73988577	0.000194696	0.006260474	0.001052174	0.004252732	0.033009131
2108	804.0988268	0.001131495	0.001740833	2.8774E-05	0.195468432	0.000120023	357.4631953	0	0	2.88101E-06	0.029234726	0.012302761	1.004300959	0.11262943	2.53013E-05	78.3728718	0.000193788	0.006231294	0.00104727	0.004232909	0.032855273

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2109	800.3092474	0.000989008	0.001521612	2.51506E-05	0.170853372	0.000104909	355.7892234	0	0	2.86752E-06	0.029097822	0.012245148	0.999597897	0.112101995	2.51828E-05	78.00585782	0.000192881	0.006202113	0.001042365	0.004213087	0.032701414
2110	796.5228134	0.000864463	0.001329998	2.19834E-05	0.149338051	9.16977E-05	354.1152515	0	0	2.85403E-06	0.028960918	0.012187535	0.994894835	0.11157456	2.50643E-05	77.63884384	0.000191973	0.006172932	0.001037461	0.004193264	0.032547555
2111	792.7391286	0.000755603	0.001162513	1.92151E-05	0.130532124	8.01503E-05	352.4412795	0	0	2.84053E-06	0.028824014	0.012129922	0.990191773	0.111047126	2.49458E-05	77.27182987	0.000191066	0.006143752	0.001032557	0.004173442	0.032393697
2112	788.9578467	0.000660451	0.001016119	1.67953E-05	0.1140944	7.00571E-05	350.7673076	0	0	2.82704E-06	0.02868711	0.012072309	0.985488711	0.110519691	2.48274E-05	76.90481589	0.000190158	0.006114571	0.001027653	0.00415362	0.032239838
2113	785.1786653	0.000577281	0.000888161	1.46803E-05	0.099726655	6.12349E-05	349.0933356	0	0	2.81355E-06	0.028550206	0.012014696	0.980785648	0.109992256	2.47089E-05	76.53780192	0.000189251	0.00608539	0.001022748	0.004133797	0.032085979
2114	781.4013198	0.000504585	0.000776316	1.28316E-05	0.08716822	5.35237E-05	347.4193637	0	0	2.80006E-06	0.028413302	0.011957083	0.976082586	0.109464821	2.45904E-05	76.17078794	0.000188343	0.00605621	0.001017844	0.004113975	0.031932121
2115	777.6255789	0.000441043	0.000678556	1.12158E-05	0.07619125	4.67835E-05	345.7453917	0	0	2.78657E-06	0.028276398	0.011899471	0.971379524	0.108937387	2.44719E-05	75.80377396	0.000187436	0.006027029	0.00101294	0.004094153	0.031778262
2116	773.8512407	0.000385503	0.000593106	9.80339E-06	0.066596595	4.08921E-05	344.0714198	0	0	2.77308E-06	0.028139495	0.011841858	0.966676462	0.108409952	2.43534E-05	75.43675999	0.000186528	0.005997848	0.001008035	0.00407433	0.031624403
2117	770.0781285	0.000336957	0.000518417	8.56886E-06	0.058210181	3.57427E-05	342.3974478	0	0	2.75959E-06	0.028002591	0.011784245	0.9619734	0.107882517	2.42349E-05	75.06974601	0.000185621	0.005968668	0.001003131	0.004054508	0.031470545
2118	766.3060879	0.000294525	0.000453134	7.4898E-06	0.050879856	3.12416E-05	340.7234759	0	0	2.74609E-06	0.027865687	0.011726632	0.957270338	0.107355082	2.41165E-05	74.70273204	0.000184713	0.005939487	0.000998227	0.004034685	0.031316686
2119	762.534984	0.000257436	0.000396071	6.54662E-06	0.044472628	2.73074E-05	339.0495039	0	0	2.7326E-06	0.027728783	0.011669019	0.952567275	0.106827648	2.3998E-05	74.33571806	0.000183806	0.005910306	0.000993323	0.004014863	0.031162827
2120	758.7646988	0.000225017	0.000346195	5.72221E-06	0.038872254	2.38686E-05	337.375532	0	0	2.71911E-06	0.027591879	0.011611406	0.947864213	0.106300213	2.38795E-05	73.96870408	0.000182898	0.005881126	0.000988418	0.003995041	0.031008969
WRSF9																					
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	5021.806545	18.29254986	28.14352688	0.465181329	3160.079994	0.756335259	478.9039179	0	0	3.21111E-06	0.03766045	0.01631223	1.31	0.146867569	3.29095E-05	104.998433	0.000251031	0.008285903	0.001379554	0.005419105	0.043375125
2035	5011.531089	18.29254986	28.14352688	0.465181329	3160.079994	0.756335259	470.822658	0	0	3.26643E-06	0.037972825	0.016470544	1.31	0.147484146	3.30206E-05	103.2266379	0.000251994	0.008341521	0.001381469	0.005471741	0.042495505
2036	5004.780279	18.29254986	28.14352688	0.465181329	3160.079994	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2037	4466.029703	15.98899519	24.59945275	0.406601709	2762.135635	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2038	3995.123217	13.97552387	21.5016788	0.355398936	2414.30384	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2039	3583.517312	12.21560611	18.79400311	0.310644056	2110.274006	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2040	3223.744351	10.67731229	16.42730115	0.271525094	1844.530215	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2041	2909.277085	9.332733603	14.35863458	0.237332327	1612.25116	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2042	2634.410232	8.157475793	12.55047224	0.207445406	1409.222675	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2043	2394.15697	7.13021652	10.9700092	0.181322102	1231.761277	0.756335259	466.2713718	0	0	3.75796E-06	0.03813348	0.016047596	1.31	0.146912688	3.30028E-05	102.2287802	0.000252775	0.008128036	0.001366048	0.005521364	0.042856085
2044	2137.303279	6.23231854	9.588571613	0.158488469	1076.647339	0.66109104	464.5973998	0	0	3.74447E-06	0.037996576	0.015989984	1.305296938	0.146385253	3.28843E-05	101.8617663	0.000251868	0.008098856	0.001361144	0.005501542	0.042702226
2045	1995.965713	5.447491569	8.381096488	0.138530242	941.0666775	0.57784079	462.9234279	0	0	3.73098E-06	0.037859673	0.015932371	1.300593876	0.145857818	3.27658E-05	101.4947523	0.00025096	0.008069675	0.001356239	0.005481719	0.042548367
2046	1871.952514	4.761496738	7.32567698	0.121085327	822.5594952	0.505074125	461.2494559	0	0	3.71748E-06	0.037722769	0.015874758	1.295890814	0.145330383	3.26473E-05	101.1277383	0.000250053	0.008040494	0.001351335	0.005461897	0.042394509
2047	1763.082048	4.161888256	6.403164943	0.105837225	718.9757531	0.441470862	459.575484	0	0	3.70399E-06	0.037585865	0.015817145	1.291187751	0.144802949	3.25288E-05	100.7607243	0.000249145	0.008011314	0.001346431	0.005442074	0.04224065
2048	1667.447414	3.637787613	5.596823529	0.092509294	628.4361636	0.385877067	457.901512	0	0	3.6905E-06	0.037448961	0.015759532	1.286484689	0.144275514	3.24103E-05	100.3937104	0.000248238	0.007982133	0.001341527	0.005422252	0.042086791
2049	1583.381842	3.179686216	4.892023538	0.080859731	549.2980953	0.337284119	456.2275401	0	0	3.67701E-06	0.037312057	0.015701919	1.281781627	0.143748079	3.22919E-05	100.0266964	0.00024733	0.007952952	0.001336622	0.00540243	0.041932933
2050	1509.428456	2.779272873	4.275978002	0.07067718	480.1257708	0.294810412	454.5535682	0	0	3.66352E-06	0.037175153	0.015644306	1.277078565	0.143220644	3.21734E-05	99.65968241	0.000246423	0.007923772	0.001331718	0.005382607	0.041779074
2051	1444.313844	2.429283011	3.737510201	0.061776904	419.6642184	0.257685358	452.8795962	0	0	3.65003E-06	0.037038249	0.015586694	1.272375503	0.14269321	3.20549E-05	99.29266843	0.000245516	0.007894591	0.001326814	0.005362785	0.041625216
2052	1386.92495	2.123366872	3.266850881	0.053997427	366.8165029	0.225235409	451.2056243	0	0	3.63654E-06	0.036901345	0.015529081	1.267672441	0.142165775	3.19364E-05	98.92565446	0.000244608	0.00786541	0.00132191	0.005342963	0.041471357
2053	1336.288887	1.855974315	2.855461016	0.047197608	320.6238247	0.196871835	449.5316523	0	0	3.62304E-06	0.036764441	0.015471468	1.262969378	0.14163834	3.18179E-05	98.55864048	0.000243701	0.00783623	0.001317005	0.00532314	0.041317498
2054	1291.55528	1.622254121	2.49587689	0.041254081	280.2481245	0.172080046	447.8576804	0	0	3.60955E-06	0.036627537	0.015413855	1.258266316	0.141110906	3.16994E-05	98.19162651	0.000242793	0.007807049	0.001312101	0.005303318	0.04116364
2055	1251.980841	1.417965977	2.181574678	0.036059013	244.9568785	0.150410252	446.1837084	0	0	3.59606E-06	0.036490633	0.015356242	1.253563254	0.140583471	3.1581E-05	97.82461253	0.000241886	0.007777868	0.001307197	0.005283495	0.041009781
2056	1216.915884	1.239403547	1.906852096	0.031518153	214.1098088	0.131469304	444.5097365	0	0	3.58257E-06	0.036353729	0.015298629	1.248860192	0.140056036	3.14625E-05	97.45759855	0.000240978	0.007748688	0.001302292	0.005263673	0.040855922
2057	1185.792535	1.083327229	1.666724935	0.027549117	187.1472664	0.114913562	442.8357645	0	0	3.56908E-06	0.036216826	0.015241016	1.24415713	0.139528601	3.1344E-05	97.09058458	0.000240071	0.007719507	0.001297388	0.005243851	0.040702064
2058	1158.114435	0.946905379	1.456836645	0.024079896	163.5800785	0.100442662	441.1617926	0	0	3.55559E-06	0.036079922	0.015183404	1.239454068	0.139001167	3.12255E-05	96.7235706	0.000239163	0.007690326	0.001292484	0.005224028	0.040548205
2059	1133.447727	0.827662937	1.273379288	0.021047549	142.9806729	0.087794061	439.4878206	0	0	3.54209E-06	0.035943018	0.015125791	1.234751005	0.138473732	3.1107E-05	96.35655663	0.000238256	0.007661146	0.00128758	0.005204206	0.040394346
2060	1111.413191	0.723436526	1.113024453	0.018397061	124.975321	0.07673828	437.8138487	0	0	3.5286E-06	0.035806114	0.015068178	1.230047943	0.137946297	3.09885E-05	95.98954265	0.000237348	0.007631965	0.001282675	0.005184383	0.040240488
2061	1091.679362	0.632335198	0.972862874	0.016080346	109.2373574	0.067074738	436.1398768	0	0	3.51511E-06	0.03566921	0.015010565	1.225344881	0.137418862	3.087E-05	95.62252867	0.000236441	0.007602784	0.001277771	0.005164561	0.040086629
2062	1073.956515	0.552706129	0.850351642	0.014055371	95.48125303	0.058628112	434.4659048	0	0	3.50162E-06	0.035532306	0.014952952	1.220641819	0.136891428	3.07516E-05	95.2555147	0.000235533	0.007573604	0.001272867	0.005144739	0.03993277
2063	1057.991409	0.483104636	0.743268074	0.012285398	83.45743524	0.051245158	432.7919329	0	0	3.48813E-06	0.035395402	0.014895339	1.215938757	0.136363993	3.06331E-05	94.88850072	0.000234626	0.007544423	0.001267962	0.005124916	0.039778912
2064	1043.562696	0.422267959	0.649669388	0.010738315	72.94775964	0.044791928	431.1179609	0	0	3.47464E-06	0.035258498	0.014837726	1.211235695	0.135836558	3.05146E-05	94.52148675	0.000233718	0.007515242	0.001263058	0.005105094	0.039625053
2065	1030.476898	0.369092359	0.56785745	0.009386055	63.76155248	0.039151345	429.443989	0	0	3.46115E-06	0.035121594	0.014780114	1.206532632	0.135309123	3.03961E-05	94.15447277	0.000232811	0.007486062	0.001258154	0.005085272	0.039471194
2066	1018.564906	0.322613085	0.496347972	0.008204082	55.73215126	0.034221072	427.770017	0	0	3.44765E-06	0.03498469	0.014722501	1.20182957	0.134781689	3.02776E-05	93.78745879	0.000231903	0.007456881	0.00125325	0.005065449	0.039317336
2067	1007.678902	0.28198688	0.433843581	0.007170954	48.71388107	0.029911661	426.0960451	0	0	3.43416E-06	0.034847786	0.014664888	1.197126508	0.134254254	3.01591E-05	93.42044482	0.000230996	0.0074277	0.001248345	0.005045627	0.039163477
2068	997.689687	0.246476675	0.379210279	0.006267926	42.57941162	0.026144928	424.4220731	0	0	3.42067E-06	0.034710882	0.014607275	1.192423446	0.133726819	3.00407E-05	93.05343084	0.000230088	0.00739852	0.001243441	0.005025804	0.039009618
2069	988.4843281	0.21543822	0.33145687	0.005478615	37.21744714	0.022852535	422.7481012	0	0	3.40718E-06	0.034573979	0.014549662	1.187720384	0.133199385	2.99222E-05	92.68641686	0.000229181	0.007369339	0.001238537	0.005005982	0.03885576
2070	979.9641158	0.188308392	0.28971698	0.004788701	32.53070719	0.019974748	421.0741293	0	0	3.39369E-06	0.034437075	0.014492049	1.183017322	0.13267195	2.98037E-05	92.31940289	0.000228273	0.007340159	0.001233632	0.00498616	0.038701901
2071	972.0427707	0.164594986	0.253233335	0.004185667	28.43416171	0.017459356	419.4001573	0	0	3.3802E-06	0.034300171	0.014434436	1.178314259	0.132144515	2.96852E-05	91.95238891	0.000227366	0.007310978	0.001228728	0.004966337	0.038548043
2072	964.6448783	0.143867774	0.221344023	0.003658572	24.85348834	0.015260725	417.7261854	0	0	3.3667E-06	0.034163267	0.014376824	1.173611197	0.13161708	2.95667E-05	91.58537494	0.000226458	0.007281797	0.001223824	0.004946515	0.038394184
2073	957.7045209	0.125750711	0.193470486	0.003197853	21.72372406	0.013338963	416.0522134	0	0	3.35321E-06	0.034026363	0.014319211	1.168908135	0.131089646	2.94482E-05	91.21836096	0.000225551	0.007252617	0.00121892	0.004926693	0.038240325
2074	951.1640817	0.109915103	0.169107024	0.002795152	18.98808652	0.011659207	414.3782415	0	0	3.33972E-06	0.033889459	0.014261598	1.164205073	0.130562211	2.93298E-05	90.85134698	0.000224643	0.007223436	0.001214015	0.00490687	0.038086467
2075	944.9731997	0.096073652	0.147811618	0.002443162	16.59694391	0.010190979	412.7042695	0	0	3.32623E-06	0.033752555	0.014203985	1.159502011	0.130034776	2.92113E-05	90.48433301	0.000223736	0.007194255	0.001209111	0.004887048	0.037932608
2076	939.0878555	0.083975234	0.129197912	0.002135498	14.50691448	0.008907644	411.0302976	0	0	3.31274E-06	0.033615651	0.014146372	1.154798949	0.129507341	2.90928E-05	90.11731903	0.000222828	0.007165075	0.001204207	0.004867225	0.037778749
2077	933.4695734	0.073400353	0.112928204	0.001866578	12.68007946	0.007785917	409.3563256	0	0	3.29925E-06	0.033478747	0.014088759	1.150095886	0.128979907	2.89743E-05	89.75030506	0.000221921	0.007135894	0.001199302	0.004847403	0.037624891
2078	928.0847224	0.064157151	0.098707316	0.001631523	11.08329517	0.006805448	407.6823537	0	0	3.28576E-06	0.033341843	0.014031146	1.145392824	0.128452472	2.88558E-05	89.38329108	0.000221013	0.007106713	0.001194398	0.004827581	0.037471032
2079	922.9039071	0.056077933	0.086277245	0.001426067	9.687591642	0.005948447	406.0083817	0	0	3.27226E-06	0.033204939	0.013973534	1.140689762	0.127925037	2.87373E-05	89.0162771	0.000220106	0.007077533	0.001189494	0.004807758	0.037317173
2080	917.9014333	0.049016119	0.075412475	0.001246485	8.467647066	0.005199368	404.3344098	0	0	3.25877E-06	0.033068036	0.013915921	1.1359867	0.127397602	2.86189E-05	88.64926313	0.000219198	0.007048352	0.00118459	0.004787936	0.037163315
2081	913.054843	0.042843589	0.06591589	0.001089517	7.401328367	0.004544619	402.6604379	0	0	3.24528E-06	0.032931132	0.013858308	1.131283638	0.126870168	2.85004E-05	88.28224915	0.000218291	0.007019171	0.001179685	0.004768113	0.037009456

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2082	908.3445058	0.037448357	0.057615196	0.000952315	6.469289659	0.003972322	400.9864659	0	0	3.23179E-06	0.032794228	0.013800695	1.126580576	0.126342733	2.83819E-05	87.91523518	0.000217383	0.006989991	0.001174781	0.004748291	0.036855597
2083	903.7532636	0.032732539	0.050359796	0.000832392	5.654621255	0.003472093	399.312494	0	0	3.2183E-06	0.032657324	0.013743082	1.121877513	0.125815298	2.82634E-05	87.5482212	0.000216476	0.00696081	0.001169877	0.004728469	0.036701739
2084	899.266119	0.028610577	0.044018059	0.00072757	4.942542878	0.003034857	397.638522	0	0	3.20481E-06	0.03252042	0.013685469	1.117174451	0.125287863	2.81449E-05	87.18120722	0.000215568	0.006931629	0.001164973	0.004708646	0.03654788
2085	894.869663	0.025007688	0.038474928	0.000635948	4.320135514	0.002652682	395.9645501	0	0	3.19131E-06	0.032383516	0.013627856	1.112471389	0.124760429	2.80264E-05	86.81419325	0.000214661	0.006902449	0.001160068	0.004688824	0.036394021
2086	890.5533377	0.021858506	0.033629835	0.000555864	3.77610702	0.002318633	394.2905781	0	0	3.17782E-06	0.032246612	0.013570244	1.107768327	0.124232994	2.79079E-05	86.44717927	0.000213753	0.006873268	0.001155164	0.004669002	0.036240163
2087	886.3062278	0.019105895	0.029394878	0.000485865	3.300587258	0.002026651	392.6166062	0	0	3.16433E-06	0.032109708	0.013512631	1.103065265	0.123705559	2.77895E-05	86.08016529	0.000212846	0.006844087	0.00115026	0.004649179	0.036086304
2088	882.1198794	0.016699917	0.025693223	0.000424681	2.88494902	0.001771438	390.9426342	0	0	3.15084E-06	0.031972804	0.013455018	1.098362203	0.123178125	2.7671E-05	85.71315132	0.000211938	0.006814907	0.001145355	0.004629357	0.035932446
2089	877.9866408	0.01459692	0.022457712	0.000371201	2.521651511	0.001548363	389.2686623	0	0	3.13735E-06	0.0318359	0.013397405	1.09365914	0.12265069	2.75525E-05	85.34613734	0.000211031	0.006785726	0.001140451	0.004609534	0.035778587
2090	873.899824	0.012758751	0.019629645	0.000324456	2.204103538	0.00135338	387.5946904	0	0	3.12386E-06	0.031698996	0.013339792	1.088956078	0.122123255	2.7434E-05	84.97912337	0.000210123	0.006756545	0.001135547	0.004589712	0.035624728
2091	869.8535832	0.01115206	0.017157711	0.000283598	1.926543929	0.001182951	385.9207184	0	0	3.11037E-06	0.031562092	0.013282179	1.084253016	0.12159582	2.73155E-05	84.61210939	0.000209216	0.006727365	0.001130643	0.00456989	0.03547087
2092	865.8428087	0.009747697	0.014997065	0.000247885	1.683937004	0.001033984	384.2467465	0	0	3.09687E-06	0.031425189	0.013224566	1.079549954	0.121068386	2.7197E-05	84.24509541	0.000208308	0.006698184	0.001125738	0.004550067	0.035317011
2093	861.8630343	0.008520183	0.013108506	0.000216669	1.471881223	0.000903776	382.5727745	0	0	3.08338E-06	0.031288285	0.013166954	1.074846892	0.120540951	2.70786E-05	83.87808144	0.000207401	0.006669003	0.001120834	0.004530245	0.035163152
2094	857.9103562	0.007447249	0.011457771	0.000189384	1.286529323	0.000789964	380.8988026	0	0	3.06989E-06	0.031151381	0.013109341	1.07014383	0.120013516	2.69601E-05	83.51106746	0.000206493	0.006639823	0.00111593	0.004510423	0.035009294
2095	853.9813621	0.006509427	0.01001491	0.000165535	1.124518523	0.000690485	379.2248306	0	0	3.0564E-06	0.031014477	0.013051728	1.065440767	0.119486081	2.68416E-05	83.14405349	0.000205586	0.006610642	0.001111025	0.0044906	0.034855435
2096	850.0730697	0.005689704	0.008753747	0.00014469	0.982909512	0.000603533	377.5508587	0	0	3.04291E-06	0.030877573	0.012994115	1.060737705	0.118958647	2.67231E-05	82.77703951	0.000204678	0.006581461	0.001106121	0.004470778	0.034701576
2097	846.1828719	0.004973208	0.0076514	0.000126469	0.859133121	0.000527531	375.8768867	0	0	3.02942E-06	0.030740669	0.012936502	1.056034643	0.118431212	2.66046E-05	82.41002553	0.000203771	0.006552281	0.001101217	0.004450955	0.034547718
2098	842.3084901	0.004346939	0.00668787	0.000110543	0.750943715	0.0004611	374.2029148	0	0	3.01592E-06	0.030603765	0.012878889	1.051331581	0.117903777	2.64861E-05	82.04301156	0.000202863	0.0065231	0.001096313	0.004431133	0.034393859
2099	838.4479327	0.003799535	0.005845676	9.66226E-05	0.656378445	0.000403034	372.5289428	0	0	3.00243E-06	0.030466861	0.012821276	1.046628519	0.117376342	2.63677E-05	81.67599758	0.000201956	0.006493919	0.001091408	0.004411311	0.03424
2100	834.5994587	0.003321065	0.005109539	8.4455E-05	0.573721646	0.000352281	370.8549709	0	0	2.98894E-06	0.030329957	0.012763663	1.041925457	0.116848908	2.62492E-05	81.30898361	0.000201048	0.006464739	0.001086504	0.004391488	0.034086142
2101	830.7615466	0.002902848	0.004466102	7.38197E-05	0.501473698	0.000307919	369.180999	0	0	2.97545E-06	0.030193053	0.012706051	1.037222394	0.116321473	2.61307E-05	80.94196963	0.000200141	0.006435558	0.0010816	0.004371666	0.033932283
2102	826.9328662	0.002537297	0.003903692	6.45237E-05	0.438323832	0.000269143	367.507027	0	0	2.96196E-06	0.030056149	0.012648438	1.032519332	0.115794038	2.60122E-05	80.57495565	0.000199233	0.006406378	0.001076695	0.004351844	0.033778424
2103	823.112255	0.002217779	0.003412106	5.63983E-05	0.383126338	0.00023525	365.8330551	0	0	2.94847E-06	0.029919245	0.012590825	1.02781627	0.115266604	2.58937E-05	80.20794168	0.000198326	0.006377197	0.001071791	0.004332021	0.033624566
2104	819.298697	0.001938497	0.002982424	4.92962E-05	0.334879785	0.000205625	364.1590831	0	0	2.93498E-06	0.029782342	0.012533212	1.023113208	0.114739169	2.57752E-05	79.8409277	0.000197418	0.006348016	0.001066887	0.004312199	0.033470707
2105	815.4913038	0.001694385	0.002606852	4.30884E-05	0.292708853	0.000179731	362.4851112	0	0	2.92148E-06	0.029645438	0.012475599	1.018410146	0.114211734	2.56568E-05	79.47391372	0.000196511	0.006318836	0.001061983	0.004292376	0.033316848
2106	811.6892992	0.001481013	0.002278574	3.76623E-05	0.255848445	0.000157098	360.8111392	0	0	2.90799E-06	0.029508534	0.012417986	1.013707084	0.113684299	2.55383E-05	79.10689975	0.000195603	0.006289655	0.001057078	0.004272554	0.03316299
2107	807.8920045	0.001294511	0.001991637	3.29196E-05	0.223629816	0.000137315	359.1371673	0	0	2.8945E-06	0.02937163	0.012360373	1.009004021	0.113156865	2.54198E-05	78.73988577	0.000194696	0.006260474	0.001052174	0.004252732	0.033009131
2108	804.0988268	0.001131495	0.001740833	2.8774E-05	0.195468432	0.000120023	357.4631953	0	0	2.88101E-06	0.029234726	0.012302761	1.004300959	0.11262943	2.53013E-05	78.3728718	0.000193788	0.006231294	0.00104727	0.004232909	0.032855273
2109	800.3092474	0.000989008	0.001521612	2.51506E-05	0.170853372	0.000104909	355.7892234	0	0	2.86752E-06	0.029097822	0.012245148	0.999597897	0.112101995	2.51828E-05	78.00585782	0.000192881	0.006202113	0.001042365	0.004213087	0.032701414
2110	796.5228134	0.000864463	0.001329998	2.19834E-05	0.149338051	9.16977E-05	354.1152515	0	0	2.85403E-06	0.028960918	0.012187535	0.994894835	0.11157456	2.50643E-05	77.63884384	0.000191973	0.006172932	0.001037461	0.004193264	0.032547555
2111	792.7391286	0.000755603	0.001162513	1.92151E-05	0.130532124	8.01503E-05	352.4412795	0	0	2.84053E-06	0.028824014	0.012129922	0.990191773	0.111047126	2.49458E-05	77.27182987	0.000191066	0.006143752	0.001032557	0.004173442	0.032393697
2112	788.9578467	0.000660451	0.001016119	1.67953E-05	0.1140944	7.00571E-05	350.7673076	0	0	2.82704E-06	0.02868711	0.012072309	0.985488711	0.110519691	2.48274E-05	76.90481589	0.000190158	0.006114571	0.001027653	0.00415362	0.032239838
2113	785.1786653	0.000577281	0.000888161	1.46803E-05	0.099726655	6.12349E-05	349.0933356	0	0	2.81355E-06	0.028550206	0.012014696	0.980785648	0.109992256	2.47089E-05	76.53780192	0.000189251	0.00608539	0.001022748	0.004133797	0.032085979
2114	781.4013198	0.000504585	0.000776316	1.28316E-05	0.08716822	5.35237E-05	347.4193637	0	0	2.80006E-06	0.028413302	0.011957083	0.976082586	0.109464821	2.45904E-05	76.17078794	0.000188343	0.00605621	0.001017844	0.004113975	0.031932121
2115	777.6255789	0.000441043	0.000678556	1.12158E-05	0.07619125	4.67835E-05	345.7453917	0	0	2.78657E-06	0.028276398	0.011899471	0.971379524	0.108937387	2.44719E-05	75.80377396	0.000187436	0.006027029	0.00101294	0.004094153	0.031778262
2116	773.8512407	0.000385503	0.000593106	9.80339E-06	0.066596595	4.08921E-05	344.0714198	0	0	2.77308E-06	0.028139495	0.011841858	0.966676462	0.108409952	2.43534E-05	75.43675999	0.000186528	0.005997848	0.001008035	0.00407433	0.031624403
2117	770.0781285	0.000336957	0.000518417	8.56886E-06	0.058210181	3.57427E-05	342.3974478	0	0	2.75959E-06	0.028002591	0.011784245	0.9619734	0.107882517	2.42349E-05	75.06974601	0.000185621	0.005968668	0.001003131	0.004054508	0.031470545
2118	766.3060879	0.000294525	0.000453134	7.4898E-06	0.050879856	3.12416E-05	340.7234759	0	0	2.74609E-06	0.027865687	0.011726632	0.957270338	0.107355082	2.41165E-05	74.70273204	0.000184713	0.005939487	0.000998227	0.004034685	0.031316686
2119	762.534984	0.000257436	0.000396071	6.54662E-06	0.044472628	2.73074E-05	339.0495039	0	0	2.7326E-06	0.027728783	0.011669019	0.952567275	0.106827648	2.3998E-05	74.33571806	0.000183806	0.005910306	0.000993323	0.004014863	0.031162827
2120	758.7646988	0.000225017	0.000346195	5.72221E-06	0.038872254	2.38686E-05	337.375532	0	0	2.71911E-06	0.027591879	0.011611406	0.947864213	0.106300213	2.38795E-05	73.96870408	0.000182898	0.005881126	0.000988418	0.003995041	0.031008969
SAL WRSF1																					
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	24221	126	371	3.92	11930.43478	0.3115	2600	0	0	1.08237E-05	0.040164424	0.040836947	0.7225	0.058973242	0.000104548	722.2222222	5.19237E-05	0.022525919	0.004683223	0.022668914	0.054486851
2030	24221	126	371	3.92	11930.43478	0.3115	2600	0	0	6.09E+06	0.026473787	0.040391914	0.7225	0.011236151	3.47105E-05	722.2222222	5.16027E-05	0.025866127	0.004587403	0.025631151	0.064279434
2031	24221	126	371	3.92	11930.43478	0.3115	2600	0	0	6.10E+06	0.025367145	0.043733239	0.7225	0.012056623	3.2389E-05	722.2222222	5.29404E-05	0.024374069	0.004677974	0.024579723	0.063114738
2032	24221	126	371	3.92	11930.43478	0.3115	2600	0	0	5.52E+06	0.023287542	0.042293303	0.7225	0.007954355	2.51329E-05	722.2222222	5.10585E-05	0.023652237	0.004532469	0.023776032	0.061333218
2033	24221	126	371	3.92	11930.43478	0.3115	2600	0	0	5.12E+06	0.021389694	0.049575633	0.7225	0.006375012	3.15715E-05	722.2222222	5.4617E-05	0.021588428	0.003963288	0.024648396	0.066001548
2034	21174	110.133	324.2805	3.42636	10428.05217	0.3115	2272.585714	0	0	5.12E+06	0.021389694	0.049575633	0.7225	0.006375012	3.15715E-05	631.2738095	5.4617E-05	0.021588428	0.003963288	0.024648396	0.066001548
2035	18511	96.26410864	283.4443199	2.99488338	9114.862461	0.3115	1986.402242	0	0	5.12E+06	0.021389694	0.049575633	0.7225	0.006375012	3.15715E-05	551.7784005	5.4617E-05	0.021588428	0.003963288	0.024648396	0.066001548
2036	16183	84.14170696	247.7505816	2.617741994	7967.040852	0.3115	1736.257445	0	0	5.12E+06	0.021389694	0.049575633	0.7225	0.006375012	3.15715E-05	482.2937348	5.4617E-05	0.021588428	0.003963288	0.024648396	0.066001548
2037	14149	73.54586201	216.5517048	2.288093485	6963.762779	0.3115	1517.613026	0	0	5.12E+06	0.021389694	0.049575633	0.7225	0.006375012	3.15715E-05	421.5591738	5.4617E-05	0.021588428	0.003963288	0.024648396	0.066001548
2038	12370	64.28433667	189.281658	1.999957141	6086.826081	0.3115	1326.502185	0	0	5.12E+06	0.021389694	0.049575633	0.7225	0.006375012	3.15715E-05	368.4728292	5.4617E-05	0.021588428	0.003963288	0.024648396	0.066001548
2039	10816	56.18910199	165.4456892	1.748105395	5320.320768	0.3115	1159.45766	0	0	5.12E+06	0.021389694	0.049575633	0.7225	0.006375012	3.15715E-05	322.0715722	5.4617E-05	0.021588428	0.003963288	0.024648396	0.066001548
2040	9606	49.11328864	144.6113499	1.52796898	4650.340374	0.3115	1123.12921	0	0	5.12E+06	0.021389694	0.049575633	0.7225	0.006375012	3.15715E-05	311.9803362	5.4617E-05	0.021588428	0.003963288	0.024648396	0.066001548
2041	8592	42.92852237	126.4006492	1.335554029	4064.729654	0.3115	1123.12921	0	0	5.12E+06	0.021389694	0.049575633	0.7225	0.006375012	3.15715E-05	311.9803362	5.4617E-05	0.021588428	0.003963288	0.024648396	0.066001548
2042	7706	37.52259487	110.483196	1.167369618	3552.864056	0.3115	1123.12921	0	0	5.12E+06	0.021389694	0.049575633	0.7225	0.006375012	3.15715E-05	311.9803362	5.4617E-05	0.021588428	0.003963288	0.024648396	0.066001548
2043	6932	32.7974281	96.57020497	1.02036443	3105.456961	0.3115	1123.12921	0	0	5.12E+06	0.021389694	0.049575633	0.7225	0.006375012	3.15715E-05	311.9803362	5.4617E-05	0.021588428	0.003963288	0.024648396	0.066001548
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Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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SAL WRSF2																					
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	21261	126	371	3.92	11930.43478	0.3115	425.2143784	0	0	6.03E+06	0.026795062	0.037484851	0.7225	0.007854725	2.44898E-05	118.1151051	5.09637E-05	0.027908633	0.00505274	0.025924574	0.063961477
2034	21494	126	371	3.92	11930.43478	0.3115	596.7756178	0	0	5.83E+06	0.025315277	0.041015191	0.7225	0.007525939	2.44828E-05	165.771005	5.22053E-05	0.026247665	0.004887933	0.025363484	0.064087511
2035	21456	126	371	3.92	11930.43478	0.3115	568.7339113	0	0	5.86E+06	0.025520054	0.040403166	0.7225	0.007569122	2.44541E-05	157.981642	5.19441E-05	0.026480154	0.004908221	0.025421933	0.063989406
2036	22098	126	371	3.92	11930.43478	0.3115	1040.425738	0	0	5.34E+06	0.021514004	0.050168449	0.7225	0.006682937	2.44853E-05	289.0071495	5.5456E-05	0.021979162	0.004466299	0.023935294	0.064466477
2037	22774	126	371	3.92	11930.43478	0.3115	1537.454246	0	0	4.74E+06	0.017008878	0.060190478	0.7225	0.005668355	2.42897E-05	427.0706238	5.87103E-05	0.016937947	0.003949745	0.022114241	0.064376005
2038	20173	110.133	324.2805	3.42636	10428.05217	0.3115	1537.454246	0	0	4.74E+06	0.017008878	0.060190478	0.7225	0.005668355	2.42897E-05	427.0706238	5.87103E-05	0.016937947	0.003949745	0.022114241	0.064376005
2039	17900	96.26410864	283.4443199	2.99488338	9114.862461	0.3115	1537.454246	0	0	4.74E+06	0.017008878	0.060190478	0.7225	0.005668355	2.42897E-05	427.0706238	5.87103E-05	0.016937947	0.003949745	0.022114241	0.064376005
2040	15913	84.14170696	247.7505816	2.617741994	7967.040852	0.3115	1537.454246	0	0	4.74E+06	0.017008878	0.060190478	0.7225	0.005668355	2.42897E-05	427.0706238	5.87103E-05	0.016937947	0.003949745	0.022114241	0.064376005
2041	14176	73.54586201	216.5517048	2.288093485	6963.762779	0.3115	1537.454246	0	0	4.74E+06	0.017008878	0.060190478	0.7225	0.005668355	2.42897E-05	427.0706238	5.87103E-05	0.016937947	0.003949745	0.022114241	0.064376005
2042	12657	64.28433667	189.281658	1.999957141	6086.826081	0.3115	1537.454246	0	0	4.74E+06	0.017008878	0.060190478	0.7225	0.005668355	2.42897E-05	427.0706238	5.87103E-05	0.016937947	0.003949745	0.022114241	0.064376005
2043	11330	56.18910199	165.4456892	1.748105395	5320.320768	0.3115	1537.454246	0	0	4.74E+06	0.017008878	0.060190478	0.7225	0.005668355	2.42897E-05	427.0706238	5.87103E-05	0.016937947	0.003949745	0.022114241	0.064376005
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Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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2119																					
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SAL WRSF3																					
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	21269	126	371	3.92	11930.43478	0.3115	431.0575661	0	0	4.13E+06	0.017029036	0.018121512	0.7225	0.047291108	2.45618E-05	119.7382128	1.8727E-05	0.011539343	0.003748575	0.010101939	0.035400678
2026	21280	126	371	3.92	11930.43478	0.3115	439.8300342	0	0	4.13E+06	0.016931439	0.01779203	0.7225	0.047231001	2.49054E-05	122.1750095	1.86174E-05	0.01155107	0.003709086	0.010105094	0.03592533
2027	21536	126	371	3.92	11930.43478	0.3115	627.231198	0	0	4.77E+06	0.01537382	0.014668145	0.7225	0.044081222	2.47427E-05	174.2308883	1.86625E-05	0.009462343	0.003338079	0.008494911	0.053142639
2028	21481	126	371	3.92	11930.43478	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2029	18880	110.133	324.2805	3.42636	10428.05217	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2030	16606	96.26410864	283.4443199	2.99488338	9114.862461	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2031	14619	84.14170696	247.7505816	2.617741994	7967.040852	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2032	12882	73.54586201	216.5517048	2.288093485	6963.762779	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2033	11364	64.28433667	189.281658	1.999957141	6086.826081	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2034	10036	56.18910199	165.4456892	1.748105395	5320.320768	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2035	8877	49.11328864	144.6113499	1.52796898	4650.340374	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2036	7863	42.92852237	126.4006492	1.335554029	4064.729654	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2037	6976	37.52259487	110.483196	1.167369618	3552.864056	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2038	6202	32.7974281	96.57020497	1.02036443	3105.456961	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2039	5525	28.66729484	84.40925702	0.891871395	2714.391202	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2040	4933	25.05726335	73.77971987	0.779559304	2372.571795	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2041	4416	21.90183797	64.48874514	0.681390515	2073.797219	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2042	3964	19.14377081	56.36776959	0.595583981	1812.646897	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
2043	3568	16.7330231	49.26945689	0.520582941	1584.382863	0.3115	586.9515107	0	0	4.65E+06	0.015727413	0.015452293	0.7225	0.044718526	2.4577E-05	163.0420863	1.87222E-05	0.009850563	0.003431754	0.008797889	0.049605938
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Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	21712	126	371	3.92	11930.43478	0.3115	756.8275281	0	0	1.9314E-05	0.061518555	0.057257682	0.7225	0.148789558	0.000240055	210.2298689	5.75632E-05	0.010737359	0.004159957	0.015807859	0.037477642
2033	21732	126	371	3.92	11930.43478	0.3115	771.2225956	0	0	1.3686E-05	0.050981156	0.046127086	0.7225	0.087557629	0.000159308	214.2284988	5.69798E-05	0.016153643	0.004416267	0.022853283	0.047004916
2034	21571	126	371	3.92	11930.43478	0.3115	653.0506708	0	0	1.42685E-05	0.053407906	0.038533993	0.7225	0.095557856	0.000170255	181.4029641	5.48205E-05	0.016073063	0.004518359	0.021920874	0.044520017
2035	21755	126	371	3.92	11930.43478	0.3115	788.3290978	0	0	1.51817E-05	0.053541882	0.05065398	0.7225	0.103532351	0.000180302	218.9803049	5.75331E-05	0.014628101	0.004325077	0.021017345	0.044741828
2036	22385	126	371	3.92	11930.43478	0.3115	1251.363259	0	0	1.59941E-05	0.049737039	0.087120114	0.7225	0.105743889	0.000181635	347.6009053	6.64654E-05	0.011932838	0.003775377	0.02081029	0.049341027
2037	19784	110.133	324.2805	3.42636	10428.05217	0.3115	1251.363259	0	0	1.59941E-05	0.049737039	0.087120114	0.7225	0.105743889	0.000181635	347.6009053	6.64654E-05	0.011932838	0.003775377	0.02081029	0.049341027
2038	17510	96.26410864	283.4443199	2.99488338	9114.862461	0.3115	1251.363259	0	0	1.59941E-05	0.049737039	0.087120114	0.7225	0.105743889	0.000181635	347.6009053	6.64654E-05	0.011932838	0.003775377	0.02081029	0.049341027
2039	15523	84.14170696	247.7505816	2.617741994	7967.040852	0.3115	1251.363259	0	0	1.59941E-05	0.049737039	0.087120114	0.7225	0.105743889	0.000181635	347.6009053	6.64654E-05	0.011932838	0.003775377	0.02081029	0.049341027
2040	13786	73.54586201	216.5517048	2.288093485	6963.762779	0.3115	1251.363259	0	0	1.59941E-05	0.049737039	0.087120114	0.7225	0.105743889	0.000181635	347.6009053	6.64654E-05	0.011932838	0.003775377	0.02081029	0.049341027
2041	12268	64.28433667	189.281658	1.999957141	6086.826081	0.3115	1251.363259	0	0	1.59941E-05	0.049737039	0.087120114	0.7225	0.105743889	0.000181635	347.6009053	6.64654E-05	0.011932838	0.003775377	0.02081029	0.049341027
2042	10941	56.18910199	165.4456892	1.748105395	5320.320768	0.3115	1251.363259	0	0	1.59941E-05	0.049737039	0.087120114	0.7225	0.105743889	0.000181635	347.6009053	6.64654E-05	0.011932838	0.003775377	0.02081029	0.049341027
2043	9781	49.11328864	144.6113499	1.52796898	4650.340374	0.3115	1251.363259	0	0	1.59941E-05	0.049737039	0.087120114	0.7225	0.105743889	0.000181635	347.6009053	6.64654E-05	0.011932838	0.003775377	0.02081029	0.049341027
2044																					
2045																					
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Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T+CN	WAD+CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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2119																					
2120																					

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
WRSF1																	
2020	0.00001	87.98524816	77.49005331	0.499447974	0.019578999	1182.535899	0.037206077	0.00499448	0.00499448	0.009336937	0.003655061	4.185765579	1.16799E-05	0.022768328	0.002180415	0.005141262	0.01
2021	0.00001	84.1743191	76.12948926	0.498097667	0.018825944	1161.77303	0.038721525	0.004980977	0.004980977	0.009351953	0.00364045	4.060781251	1.1227E-05	0.021673501	0.002319732	0.005226454	0.01
2022	0.00001	80.22945342	68.047744	0.498156384	0.017671422	1038.441667	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2023	0.00001	80.22945342	68.047744	0.498156384	0.017671422	907.6721913	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2024	0.00001	80.22945342	68.047744	0.498156384	0.017671422	793.3703289	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2025	0.00001	80.22945342	68.047744	0.498156384	0.017671422	693.4623368	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2026	0.00001	80.22945342	68.047744	0.498156384	0.017671422	606.1356154	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2027	0.00001	80.22945342	68.047744	0.498156384	0.017671422	529.8058232	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2028	0.00001	80.22945342	68.047744	0.498156384	0.017671422	463.0881328	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2029	0.00001	80.22945342	68.047744	0.498156384	0.017671422	404.7721058	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2030	0.00001	80.22945342	68.047744	0.498156384	0.017671422	353.7997327	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2031	0.00001	80.22945342	68.047744	0.498156384	0.017671422	309.2462378	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2032	0.00001	80.22945342	68.047744	0.498156384	0.017671422	270.3033009	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2033	0.00001	80.22945342	68.047744	0.498156384	0.017671422	236.2643923	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2034	0.00001	80.22945342	68.047744	0.498156384	0.017671422	206.5119549	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2035	0.00001	80.22945342	68.047744	0.498156384	0.017671422	180.5061995	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2036	0.00001	80.22945342	68.047744	0.498156384	0.017671422	157.7753116	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2037	0.00001	80.22945342	68.047744	0.498156384	0.017671422	137.906892	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2038	0.00001	80.22945342	68.047744	0.498156384	0.017671422	120.5404741	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2039	0.00001	80.22945342	68.047744	0.498156384	0.017671422	105.3609844	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2040	0.00001	80.22945342	68.047744	0.498156384	0.017671422	92.09302617	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2041	0.00001	80.22945342	68.047744	0.498156384	0.017671422	80.49588295	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2042	0.00001	80.22945342	68.047744	0.498156384	0.017671422	70.3591514	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2043	0.00001	80.22945342	68.047744	0.498156384	0.017671422	61.49892398	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.010
2044	0.00001	80.12657365	67.96048507	0.497517588	0.017648761	61.42006273	0.043707615	0.004975176	0.004975176	0.009614516	0.003579829	3.878788846	1.07639E-05	0.020426058	0.002683617	0.005493439	0.010
2045	0.00001	80.02369389	67.87322614	0.496878793	0.017626101	61.34120148	0.043651496	0.004968788	0.004968788	0.009602171	0.003575233	3.873808614	1.07501E-05	0.020399831	0.002680171	0.005486385	0.010
2046	0.00001	79.92081412	67.78596721	0.496239997	0.01760344	61.26234023	0.043595377	0.0049624	0.0049624	0.009589826	0.003570637	3.868828382	1.07363E-05	0.020373605	0.002676726	0.005479332	0.010
2047	0.00001	79.81793435	67.69870829	0.495601202	0.01758078	61.18347898	0.043539258	0.004956012	0.004956012	0.009577481	0.00356604	3.863848151	1.07225E-05	0.020347379	0.00267328	0.005472278	0.010
2048	0.00001	79.71505458	67.61144936	0.494962406	0.01755812	61.10461773	0.043483139	0.004949624	0.004949624	0.009565137	0.003561444	3.858867919	1.07087E-05	0.020321152	0.002669834	0.005465225	0.010
2049	0.00001	79.61217481	67.52419043	0.494323611	0.017535459	61.02575648	0.04342702	0.004943236	0.004943236	0.009552792	0.003556847	3.853887687	1.06948E-05	0.020294926	0.002666389	0.005458172	0.010
2050	0.00001	79.50929504	67.4369315	0.493684816	0.017512799	60.94689522	0.043370901	0.004936848	0.004936848	0.009540447	0.003552251	3.848907456	1.0681E-05	0.0202687	0.002662943	0.005451118	0.010
2051	0.00001	79.40641528	67.34967257	0.49304602	0.017490138	60.86803397	0.043314782	0.00493046	0.00493046	0.009528103	0.003547655	3.843927224	1.06672E-05	0.020242473	0.002659497	0.005444065	0.010
2052	0.00001	79.30353551	67.26241364	0.492407225	0.017467478	60.78917272	0.043258663	0.004924072	0.004924072	0.009515758	0.003543058	3.838946992	1.06534E-05	0.020216247	0.002656052	0.005437012	0.010
2053	0.00001	79.20065574	67.17515471	0.491768429	0.017444818	60.71031147	0.043202544	0.004917684	0.004917684	0.009503413	0.003538462	3.833966761	1.06395E-05	0.020190021	0.002652606	0.005429958	0.010
2054	0.00001	79.09777597	67.08789579	0.491129634	0.017422157	60.63145022	0.043146424	0.004911296	0.004911296	0.009491069	0.003533866	3.828986529	1.06257E-05	0.020163794	0.00264916	0.005422905	0.010
2055	0.00001	78.9948962	67.00063686	0.490490838	0.017399497	60.55258897	0.043090305	0.004904908	0.004904908	0.009478724	0.003529269	3.824006297	1.06119E-05	0.020137568	0.002645714	0.005415851	0.010
2056	0.00001	78.89201643	66.91337793	0.489852043	0.017376836	60.47372772	0.043034186	0.00489852	0.00489852	0.009466379	0.003524673	3.819026066	1.05981E-05	0.020111342	0.002642269	0.005408798	0.010
2057	0.00001	78.78913667	66.826119	0.489213247	0.017354176	60.39486647	0.042978067	0.004892132	0.004892132	0.009454034	0.003520076	3.814045834	1.05843E-05	0.020085115	0.002638823	0.005401745	0.010
2058	0.00001	78.6862569	66.73886007	0.488574452	0.017331516	60.31600522	0.042921948	0.004885745	0.004885745	0.00944169	0.00351548	3.809065603	1.05704E-05	0.020058889	0.002635377	0.005394691	0.010
2059	0.00001	78.58337713	66.65160114	0.487935656	0.017308855	60.23714397	0.042865829	0.004879357	0.004879357	0.009429345	0.003510884	3.804085371	1.05566E-05	0.020032663	0.002631932	0.005387638	0.010
2060	0.00001	78.48049736	66.56434222	0.487296861	0.017286195	60.15828272	0.04280971	0.004872969	0.004872969	0.009417	0.003506287	3.799105139	1.05428E-05	0.020006436	0.002628486	0.005380584	0.010
2061	0.00001	78.37761759	66.47708329	0.486658065	0.017263534	60.07942147	0.042753591	0.004866581	0.004866581	0.009404656	0.003501691	3.794124908	1.0529E-05	0.01998021	0.00262504	0.005373531	0.010
2062	0.00001	78.27473782	66.38982436	0.48601927	0.017240874	60.00056021	0.042697472	0.004860193	0.004860193	0.009392311	0.003497095	3.789144676	1.05152E-05	0.019953983	0.002621595	0.005366478	0.010
2063	0.00001	78.17185806	66.30256543	0.485380474	0.017218214	59.92169896	0.042641353	0.004853805	0.004853805	0.009379966	0.003492498	3.784164444	1.05013E-05	0.019927757	0.002618149	0.005359424	0.010
2064	0.00001	78.06897829	66.2153065	0.484741679	0.017195553	59.84283771	0.042585234	0.004847417	0.004847417	0.009367621	0.003487902	3.779184213	1.04875E-05	0.019901531	0.002614703	0.005352371	0.010
2065	0.00001	77.96609852	66.12804757	0.484102883	0.017172893	59.76397646	0.042529115	0.004841029	0.004841029	0.009355277	0.003483305	3.774203981	1.04737E-05	0.019875304	0.002611258	0.005345318	0.010
2066	0.00001	77.86321875	66.04078865	0.483464088	0.017150232	59.68511521	0.042472996	0.004834641	0.004834641	0.009342932	0.003478709	3.769223749	1.04599E-05	0.019849078	0.002607812	0.005338264	0.010
2067	0.00001	77.76033898	65.95352972	0.482825292	0.017127572	59.60625396	0.042416876	0.004828253	0.004828253	0.009330587	0.003474113	3.764243518	1.04461E-05	0.019822852	0.002604366	0.005331211	0.010
2068	0.00001	77.65745922	65.86627079	0.482186497	0.017104912	59.52739271	0.042360757	0.004821865	0.004821865	0.009318243	0.003469516	3.759263286	1.04322E-05	0.019796625	0.002600921	0.005324157	0.010
2069	0.00001	77.55457945	65.77901186	0.481547701	0.017082251	59.44853146	0.042304638	0.004815477	0.004815477	0.009305898	0.00346492	3.754283054	1.04184E-05	0.019770399	0.002597475	0.005317104	0.010
2070	0.00001	77.45169968	65.69175293	0.480908906	0.017059591	59.36967021	0.042248519	0.004809089	0.004809089	0.009293553	0.003460324	3.749302823	1.04046E-05	0.019744173	0.002594029	0.005310051	0.010
2071	0.00001	77.34881991	65.604494	0.48027011	0.01703693	59.29080896	0.0421924	0.004802701	0.004802701	0.009281209	0.003455727	3.744322591	1.03908E-05	0.019717946	0.002590584	0.005302997	0.010
2072	0.00001	77.24594014	65.51723507	0.479631315	0.01701427	59.21194771	0.042136281	0.004796313	0.004796313	0.009268864	0.003451131	3.73934236	1.0377E-05	0.01969172	0.002587138	0.005295944	0.010
2073	0.00001	77.14306037	65.42997615	0.478992519	0.01699161	59.13308646	0.042080162	0.004789925	0.004789925	0.009256519	0.003446534	3.734362128	1.03631E-05	0.019665494	0.002583692	0.00528889	0.010
2074	0.00001	77.04018061	65.34271722	0.478353724	0.016968949	59.05422521	0.042024043	0.004783537	0.004783537	0.009244174	0.003441938	3.729381896	1.03493E-05	0.019639267	0.002580247	0.005281837	0.010
2075	0.00001	76.93730084	65.25545829	0.477714928	0.016946289	58.97536395	0.041967924	0.004777149	0.004777149	0.00923183	0.003437342	3.724401665	1.03355E-05	0.019613041	0.002576801	0.005274784	0.010
2076	0.00001	76.83442107	65.16819936	0.477076133	0.016923628	58.8965027	0.041911805	0.004770761	0.004770761	0.009219485	0.003432745	3.719421433	1.03217E-05	0.019586814	0.002573355	0.00526773	0.010
2077	0.00001	76.7315413	65.08094043	0.476437337	0.016900968	58.81764145	0.041855686	0.004764373	0.004764373	0.00920714	0.003428149	3.714441201	1.03079E-05	0.019560588	0.00256991	0.005260677	0.010
2078	0.00001	76.62866153	64.9936815	0.475798542	0.016878308	58.7387802	0.041799567	0.004757985	0.004757985	0.009194796	0.003423552	3.70946097	1.0294E-05	0.019534362	0.002566464	0.005253623	0.010
2079	0.00001	76.52578176	64.90642258	0.475159746	0.016855647	58.65991895	0.041743448	0.004751597	0.004751597	0.009182451	0.003418956	3.704480738	1.02802E-05	0.019508135	0.002563018	0.00524657	0.010
2080	0.00001	76.422902	64.81916365	0.474520951	0.016832987	58.5810577	0.041687328	0.00474521	0.00474521	0.009170106	0.00341436	3.699500506	1.02664E-05	0.019481909	0.002559573	0.005239517	0.010
2081	0.00001	76.32002223	64.73190472	0.473882155	0.016810326	58.50219645	0.041631209	0.004738822	0.004738822	0.009157761	0.003409763	3.694520275	1.02526E-05	0.019455683	0.002556127	0.005232463	0.010
2082	0.00001	76.21714246	64.64464579	0.47324336	0.016787666	58.4233352	0.04157509	0.004732434	0.004732434	0.009145417	0.003405167	3.689540043	1.02388E-05	0.019429456	0.002552681	0.00522541	0.010
2083	0.00001	76.11426269	64.55738686	0.472604564	0.016765006	58.34447395	0.041518971	0.004726046	0.004726046	0.009133072	0.003400571	3.684559811	1.02249E-05	0.01940323	0.002549236	0.005218357	0.010
2084	0.00001	76.01138292	64.47012793	0.471965769	0.016742345	58.2656127	0.041462852	0.004719658	0.004719658	0.009120727	0.003395974	3.67957958	1.02111E-05	0.019377004	0.00254579	0.005211303	0.010
2085	0.00001	75.90850315	64.38286901	0.471326973	0.016719685	58.18675145	0.041406733	0.00471327	0.00471327	0.009108383	0.003391378	3.674599348	1.01973E-05	0.019350777	0.002542344	0.00520425	0.010
2086	0.00001	75.80562339	64.29561008	0.470688178	0.016697024	58.1078902	0.041350614	0.004706882	0.004706882	0.009096038	0.003386781	3.669619117	1.01835E-05	0.019324551	0.002538899	0.005197196	0.010
2087	0.00001	75.70274362	64.20835115	0.470049382	0.016674364	58.02902895	0.041294495	0.004700494	0.004700494	0.009083693	0.003382185	3.664638885	1.01697E-05	0.019298325	0.002535453	0.005190143	0.010
2088	0.00001	75.59986385	64.12109222	0.469410587	0.016651703	57.95016769	0.041238376	0.004694106	0.004694106	0.009071348	0.003377589	3.659658653	1.01558E-05	0.019272098	0.002532007	0.00518309	0.010
2089	0.00001	75.49698408	64.03383329	0.468771791	0.016629043	57.87130644	0.041182257	0.004687718	0.004687718	0.009059004	0.003372992	3.654678422	1.0142E-05	0.019245872	0.002528562	0.005176036	0.010
2090	0.00001	75.39410431	63.94657436	0.468132996	0.016606383	57.79244519	0.041126138	0.00468133	0.00468133	0.009046659	0.003368396	3.64969819	1.01282E-05	0.019219645	0.002525116	0.005168983	0.010
2091	0.00001	75.29122455	63.85931543	0.4674942	0.016583722	57.71358394	0.041070019	0.004674942	0.004674942	0.009034314	0.0033638	3.644717958	1.01144E-05	0.019193419	0.00252167	0.005161929	0.010
2092	0.00001	75.18834478	63.77205651	0.466855405	0.016561062	57.63472269	0.0410139	0.004668554	0.004668554	0.00902197	0.003359203	3.639737727	1.01005E-05	0.019167193	0.002518225	0.005154876	0.010
2093	0.00001	75.08546501	63.68479758	0.466216609	0.016538401	57.55586144	0.04095778	0.004662166	0.004662166	0.009009625	0.003354607	3.634757495	1.00867E-05	0.019140966	0.002514779	0.005147823	0.010

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2094	0.00001	74.98258524	63.59753865	0.465577814	0.016515741	57.47700019	0.040901661	0.004655778	0.004655778	0.00899728	0.00335001	3.629777263	1.00729E-05	0.01911474	0.002511333	0.005140769	0.010
2095	0.00001	74.87907547	63.51027972	0.464939018	0.016493081	57.39813894	0.040845542	0.00464939	0.00464939	0.008984936	0.003345414	3.624797032	1.00591E-05	0.019088514	0.002507888	0.005133716	0.010
2096	0.00001	74.7768257	63.42302079	0.464300223	0.01647042	57.31927769	0.040789423	0.004643002	0.004643002	0.008972591	0.003340818	3.6198168	1.00453E-05	0.019062287	0.002504442	0.005126663	0.010
2097	0.00001	74.67394594	63.33576186	0.463661427	0.01644776	57.24041644	0.040733304	0.004636614	0.004636614	0.008960246	0.003336221	3.614836568	1.00314E-05	0.019036061	0.002500996	0.005119609	0.010
2098	0.00001	74.57106617	63.24850294	0.463022632	0.016425099	57.16155519	0.040677185	0.004630226	0.004630226	0.008947901	0.003331625	3.609856337	1.00176E-05	0.019009835	0.002497551	0.005112556	0.010
2099	0.00001	74.4681864	63.16124401	0.462383836	0.016402439	57.08269394	0.040621066	0.004623838	0.004623838	0.008935557	0.003327029	3.604876105	1.00038E-05	0.018983608	0.002494105	0.005105502	0.010
2100	0.00001	74.36530663	63.07398508	0.461745041	0.016379779	57.00383268	0.040564947	0.00461745	0.00461745	0.008923212	0.003322432	3.599895874	9.98998E-06	0.018957382	0.002490659	0.005098449	0.010
2101	0.00001	74.26242686	62.98672615	0.461106245	0.016357118	56.92497143	0.040508828	0.004611062	0.004611062	0.008910867	0.003317836	3.594915642	9.97616E-06	0.018931156	0.002487214	0.005091396	0.010
2102	0.00001	74.15954709	62.89946722	0.46046745	0.016334458	56.84611018	0.040452709	0.004604674	0.004604674	0.008898523	0.003313239	3.58993541	9.96234E-06	0.018904929	0.002483768	0.005084342	0.010
2103	0.00001	74.05666733	62.81220829	0.459828654	0.016311797	56.76724893	0.04039659	0.004598287	0.004598287	0.008886178	0.003308643	3.584955179	9.94852E-06	0.018878703	0.002480322	0.005077289	0.010
2104	0.00001	73.95378756	62.72494937	0.459189859	0.016289137	56.68838768	0.040340471	0.004591899	0.004591899	0.008873833	0.003304047	3.579974947	9.9347E-06	0.018852476	0.002476877	0.005070235	0.010
2105	0.00001	73.85090779	62.63769044	0.458551063	0.016266477	56.60952643	0.040284352	0.004585511	0.004585511	0.008861488	0.00329945	3.574994715	9.92088E-06	0.01882625	0.002473431	0.005063182	0.010
2106	0.00001	73.74802802	62.55043151	0.457912268	0.016243816	56.53066518	0.040228232	0.004579123	0.004579123	0.008849144	0.003294854	3.570014484	9.90706E-06	0.018800024	0.002469985	0.005056129	0.010
2107	0.00001	73.64514825	62.46317258	0.457273472	0.016221156	56.45180393	0.040172113	0.004572735	0.004572735	0.008836799	0.003290258	3.565034252	9.89324E-06	0.018773797	0.00246654	0.005049075	0.010
2108	0.00001	73.54226849	62.37591365	0.456634677	0.016198495	56.37294268	0.040115994	0.004566347	0.004566347	0.008824454	0.003285661	3.56005402	9.87942E-06	0.018747571	0.002463094	0.005042022	0.010
2109	0.00001	73.43938872	62.28865472	0.455995881	0.016175835	56.29408143	0.040059875	0.004559959	0.004559959	0.00881211	0.003281065	3.555073789	9.8656E-06	0.018721345	0.002459648	0.005034968	0.010
2110	0.00001	73.33650895	62.20139579	0.455357086	0.016153175	56.21522018	0.040003756	0.004553571	0.004553571	0.008799765	0.003276468	3.550093557	9.85178E-06	0.018695118	0.002456203	0.005027915	0.010
2111	0.00001	73.23362918	62.11413687	0.45471829	0.016130514	56.13635893	0.039947637	0.004547183	0.004547183	0.00878742	0.003271872	3.545113325	9.83796E-06	0.018668892	0.002452757	0.005020862	0.010
2112	0.00001	73.13074941	62.02687794	0.454079495	0.016107854	56.05749768	0.039891518	0.004540795	0.004540795	0.008775075	0.003267276	3.540133094	9.82414E-06	0.018642666	0.002449311	0.005013808	0.010
2113	0.00001	73.02786964	61.93961901	0.453440699	0.016085193	55.97863642	0.039835399	0.004534407	0.004534407	0.008762731	0.003262679	3.535152862	9.81032E-06	0.018616439	0.002445866	0.005006755	0.010
2114	0.00001	72.92498988	61.85236008	0.452801904	0.016062533	55.89977517	0.03977928	0.004528019	0.004528019	0.008750386	0.003258083	3.530172631	9.7965E-06	0.018590213	0.00244242	0.004999702	0.010
2115	0.00001	72.82211011	61.76510115	0.452163108	0.016039873	55.82091392	0.039723161	0.004521631	0.004521631	0.008738041	0.003253487	3.525192399	9.78268E-06	0.018563987	0.002438974	0.004992648	0.010
2116	0.00001	72.71923034	61.67784222	0.451524313	0.016017212	55.74205267	0.039667042	0.004515243	0.004515243	0.008725697	0.00324889	3.520212167	9.76886E-06	0.01853776	0.002435529	0.004985595	0.010
2117	0.00001	72.61635057	61.5905833	0.450885517	0.015994552	55.66319142	0.039610923	0.004508855	0.004508855	0.008713352	0.003244294	3.515231936	9.75503E-06	0.018511534	0.002432083	0.004978541	0.010
2118	0.00001	72.5134708	61.50332437	0.450246722	0.015971891	55.58433017	0.039554804	0.004502467	0.004502467	0.008701007	0.003239697	3.510251704	9.74121E-06	0.018485307	0.002428637	0.004971488	0.010
2119	0.00001	72.41059103	61.41606544	0.449607926	0.015949231	55.50546892	0.039498684	0.004496079	0.004496079	0.008688663	0.003235101	3.505271472	9.72739E-06	0.018459081	0.002425191	0.004964435	0.010
2120	0.00001	72.30771127	61.32880651	0.448969131	0.015926571	55.42660767	0.039442565	0.004489691	0.004489691	0.008676318	0.003230505	3.500291241	9.71357E-06	0.018432855	0.002421746	0.004957381	0.010
WRSF3																	
2020	0.00001	90.36729388	84.44491739	0.5	0.018015331	1288.670507	0.043496523	0.005	0.005	0.008192612	0.003974604	3.761181122	1.2902E-05	0.021356354	0.002079069	0.005186106	0.01
2021	0.00001	90.36729388	84.44491739	0.5	0.018015331	1126.390071	0.043496523	0.005	0.005	0.008192612	0.003974604	3.761181122	1.2902E-05	0.021356354	0.002079069	0.005186106	0.01
2022	0.00001	80.22945342	68.047744	0.498156384	0.017671422	1038.441667	0.043763734	0.004981564	0.004981564	0.00962686	0.003584426	3.883769077	1.07778E-05	0.020452284	0.002687063	0.005500492	0.01
2023	0.00001	66.66623108	63.3579203	0.494808627	0.014880389	966.8726766	0.04894397	0.004948086	0.004948086	0.009705162	0.00354326	3.448223082	9.14609E-06	0.016446696	0.003177557	0.005795805	0.01
2024	0.00001	71.80227173	61.20318461	0.493621464	0.015818976	933.990362	0.049227498	0.004936215	0.004936215	0.009732157	0.003512276	3.555754683	9.77582E-06	0.018057966	0.003101138	0.005778027	0.01
2025	0.00001	73.24750207	73.55083898	0.494298607	0.016054656	1122.421573	0.040133335	0.004942986	0.004942986	0.009316037	0.003611901	3.736122508	9.80423E-06	0.017985738	0.002555732	0.005270335	0.01
2026	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	1011.807992	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2027	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	884.3924573	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2028	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	773.0221786	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2029	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	675.6765999	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2030	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	590.589611	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2031	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	516.2175049	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2032	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	451.210972	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2033	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	394.3906189	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2034	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	344.7255717	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2035	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	301.3147729	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2036	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	263.370634	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2037	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	230.2047463	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2038	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	201.2153915	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2039	0.00001	65.80113336	66.30247363	0.496379024	0.014806361	175.8766247	0.047856453	0.00496379	0.00496379	0.009641624	0.0035773	3.452593142	9.03828E-06	0.016161245	0.003121352	0.005745731	0.01
2040	0.00001	17.99395331	53.25772639	0.5	0.005250812	812.7388054	0.074305688	0.005	0.005	0.009895187	0.003542214	1.727572269	3.23914E-06	0.002592951	0.005090697	0.007228326	0.01
2041	0.00001	38.93644687	61.73618951	0.499289718	0.008848564	942.124276	0.058610363	0.004992897	0.004992897	0.00968909	0.003588855	2.545875998	5.67667E-06	0.007932389	0.004017689	0.006326543	0.01
2042	0.00001	77.50851244	85.81507272	0.498398949	0.015183668	1309.579744	0.024663746	0.004983989	0.004983989	0.008929476	0.003737782	4.087443858	9.90747E-06	0.017314991	0.00167586	0.004346997	0.01
2043	0.00001	84.71739535	78.32036018	0.496744026	0.013957473	1195.206786	0.016705124	0.00496744	0.00496744	0.009110511	0.003672331	4.382437577	1.03494E-05	0.017372275	0.001246676	0.00378311	0.01
2044	0.00001	84.60876061	78.21992848	0.496107042	0.013939575	1193.674149	0.016683703	0.00496107	0.00496107	0.009098828	0.003667622	4.376817893	1.03361E-05	0.017349999	0.001245077	0.003778259	0.010
2045	0.00001	84.50012586	78.11949678	0.495470057	0.013921677	1192.141513	0.016662281	0.004954701	0.004954701	0.009087146	0.003662913	4.371198209	1.03228E-05	0.017327722	0.001243478	0.003773408	0.010
2046	0.00001	84.39149112	78.01906508	0.494833073	0.013903779	1190.608876	0.01664086	0.004948331	0.004948331	0.009075463	0.003658204	4.365578525	1.03095E-05	0.017305445	0.00124188	0.003768557	0.010
2047	0.00001	84.28285638	77.91863337	0.494196088	0.013885881	1189.076239	0.016619439	0.004941961	0.004941961	0.009063781	0.003653495	4.359958841	1.02963E-05	0.017283168	0.001240281	0.003763706	0.010
2048	0.00001	84.17422164	77.81820167	0.493559104	0.013867983	1187.543603	0.016598017	0.004935591	0.004935591	0.009052098	0.003648786	4.354339158	1.0283E-05	0.017260891	0.001238682	0.003758855	0.010
2049	0.00001	84.06558689	77.71776997	0.49292212	0.013850085	1186.010966	0.016576596	0.004929221	0.004929221	0.009040415	0.003644076	4.348719474	1.02697E-05	0.017238615	0.001237084	0.003754003	0.010
2050	0.00001	83.95695215	77.61733827	0.492285135	0.013832187	1184.478329	0.016555175	0.004922851	0.004922851	0.009028733	0.003639367	4.34309979	1.02565E-05	0.017216338	0.001235485	0.003749152	0.010
2051	0.00001	83.84831741	77.51690657	0.491648151	0.013814289	1182.945693	0.016533753	0.004916482	0.004916482	0.00901705	0.003634658	4.337480106	1.02432E-05	0.017194061	0.001233886	0.003744301	0.010
2052	0.00001	83.73968267	77.41647487	0.491011166	0.013796391	1181.413056	0.016512332	0.004910112	0.004910112	0.009005368	0.003629949	4.331860422	1.02299E-05	0.017171784	0.001232288	0.00373945	0.010
2053	0.00001	83.63104793	77.31604317	0.490374182	0.013778493	1179.88042	0.016490911	0.004903742	0.004903742	0.008993685	0.00362524	4.326240738	1.02166E-05	0.017149507	0.001230689	0.003734599	0.010
2054	0.00001	83.52241318	77.21561147	0.489737198	0.013760595	1178.347783	0.016469689	0.004897372	0.004897372	0.008982003	0.003620531	4.320621055	1.02034E-05	0.017127231	0.001229091	0.003729748	0.010
2055	0.00001	83.41377844	77.11517976	0.489100213	0.013742698	1176.815146	0.016448068	0.004891002	0.004891002	0.00897032	0.003615822	4.315001371	1.01901E-05	0.017104954	0.001227492	0.003724896	0.010
2056	0.00001	83.3051437	77.01474806	0.488463229	0.0137248	1175.28251	0.016426647	0.004884632	0.004884632	0.008958637	0.003611113	4.309381687	1.01768E-05	0.017082677	0.001225893	0.003720045	0.010
2057	0.00001	83.19650896	76.91431636	0.487826244	0.013706902	1173.749873	0.016405226	0.004878262	0.004878262	0.008946955	0.003606404	4.303762003	1.01636E-05	0.0170604	0.001224295	0.003715194	0.010
2058	0.00001	83.08787421	76.81388466	0.48718926	0.013689004	1172.217237	0.016383804	0.004871893	0.004871893	0.008935272	0.003601695	4.298142319	1.01503E-05	0.017038123	0.001222696	0.003710343	0.010
2059	0.00001	82.97923947	76.71345296	0.486552276	0.013671106	1170.6846	0.016362383	0.004865523	0.004865523	0.00892359	0.003596985	4.292522635	1.0137E-05	0.017015847	0.001221097	0.003705492	0.010
2060	0.00001	82.87060473	76.61302126	0.485915291	0.013653208	1169.151963	0.016340962	0.004859153	0.004859153	0.008911907	0.003592276	4.286902952	1.01237E-05	0.01699357	0.001219499	0.003700641	0.010
2061	0.00001	82.76196999	76.51258956	0.485278307	0.01363531	1167.619327	0.01631954	0.004852783	0.004852783	0.008900224	0.003587567	4.281283268	1.01105E-05	0.016971293	0.0012179	0.00369579	0.010
2062	0.00001	82.65333524	76.41215785	0.484641322	0.013617412	1166.08669	0.016298119	0.004846413	0.004846413	0.008888542	0.003582858	4.275663584	1.00972E-05	0.016949016	0.001216301	0.003690938	0.010
2063	0.00001	82.5447005	76.31172615	0.484004338	0.013599514	1164.554054	0.016276698	0.004840043	0.004840043	0.008876859	0.003578149	4.2700439	1.00839E-05	0.016926739	0.001214703	0.003686087	0.010
2064	0.00001	82.43606576	76.21129445	0.483367354	0.013581616	1163.021417	0.016255276	0.004833674	0.004833674	0.008865177	0.00357344	4.264424216	1.00707E-05	0.016904463	0.001213104	0.003681236	0.010
2065	0.00001	82.32743102	76.11086275	0.482730369	0.013563718	1161.48878	0.016233855	0.004827304	0.004827304	0.008853494	0.003568731	4.258804532	1.00574E-05	0.016882186	0.001211506	0.003676385	0.010
2066	0.00001	82.21879627	76.01043105	0.482093385	0.01354582	1159.956144	0.016212434	0.004820934	0.004820934	0.008841812	0.003564022	4.253184849	1.00441E-05	0.016859909	0.001209907	0.003671534	0.010

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2067	0.00001	82.11016153	75.90999935	0.4814564	0.013527922	1158.423507	0.016191013	0.004814564	0.004814564	0.008830129	0.003559313	4.247565165	1.00308E-05	0.016837632	0.001208308	0.003666683	0.010
2068	0.00001	82.00152679	75.80956765	0.480819416	0.013510024	1156.890871	0.016169591	0.004808194	0.004808194	0.008818446	0.003554604	4.241945481	1.00176E-05	0.016815355	0.00120671	0.003661831	0.010
2069	0.00001	81.89289205	75.70913595	0.480182432	0.013492126	1155.358234	0.01614817	0.004801824	0.004801824	0.008806764	0.003549894	4.236325797	1.00043E-05	0.016793079	0.001205111	0.00365698	0.010
2070	0.00001	81.78425731	75.60870424	0.479545447	0.013474229	1153.825597	0.016126749	0.004795454	0.004795454	0.008795081	0.003545185	4.230706113	9.99103E-06	0.016770802	0.001203512	0.003652129	0.010
2071	0.00001	81.67562256	75.50827254	0.478908463	0.013456331	1152.292961	0.016105327	0.004789085	0.004789085	0.008783399	0.003540476	4.225086429	9.97776E-06	0.016748525	0.001201914	0.003647278	0.010
2072	0.00001	81.56698782	75.40784084	0.478271478	0.013438433	1150.760324	0.016083906	0.004782715	0.004782715	0.008771716	0.003535767	4.219466746	9.96449E-06	0.016726248	0.001200315	0.003642427	0.010
2073	0.00001	81.45835308	75.30740914	0.477634494	0.013420535	1149.227688	0.016062485	0.004776345	0.004776345	0.008760033	0.003531058	4.213847062	9.95122E-06	0.016703971	0.001198716	0.003637576	0.010
2074	0.00001	81.34971834	75.20697744	0.47699751	0.013402637	1147.695051	0.016041063	0.004769975	0.004769975	0.008748351	0.003526349	4.208227378	9.93795E-06	0.016681695	0.001197118	0.003632725	0.010
2075	0.00001	81.24108359	75.10654574	0.476360525	0.013384739	1146.162414	0.016019642	0.004763605	0.004763605	0.008736668	0.00352164	4.202607694	9.92467E-06	0.016659418	0.001195519	0.003627873	0.010
2076	0.00001	81.13244885	75.00611404	0.475723541	0.013366841	1144.629778	0.015998221	0.004757235	0.004757235	0.008724986	0.003516931	4.19698801	9.9114E-06	0.016637141	0.001193921	0.003623022	0.010
2077	0.00001	81.02381411	74.90568233	0.475086556	0.013348943	1143.097141	0.0159768	0.004750866	0.004750866	0.008713303	0.003512222	4.191368326	9.89813E-06	0.016614864	0.001192322	0.003618171	0.010
2078	0.00001	80.91517937	74.80525063	0.474449572	0.013331045	1141.564505	0.015955378	0.004744496	0.004744496	0.008701621	0.003507513	4.185748643	9.88486E-06	0.016592587	0.001190723	0.00361332	0.010
2079	0.00001	80.80654462	74.70481893	0.473812588	0.013313147	1140.031868	0.015933957	0.004738126	0.004738126	0.008689938	0.003502803	4.180128959	9.87159E-06	0.016570311	0.001189125	0.003608469	0.010
2080	0.00001	80.69790988	74.60438723	0.473175603	0.013295249	1138.499231	0.015912536	0.004731756	0.004731756	0.008678255	0.003498094	4.174509275	9.85832E-06	0.016548034	0.001187526	0.003603618	0.010
2081	0.00001	80.58927514	74.50395553	0.472538619	0.013277351	1136.966595	0.015891114	0.004725386	0.004725386	0.008666573	0.003493385	4.168889591	9.84505E-06	0.016525757	0.001185927	0.003598766	0.010
2082	0.00001	80.4806404	74.40352383	0.471901634	0.013259453	1135.433958	0.015869693	0.004719016	0.004719016	0.00865489	0.003488676	4.163269907	9.83178E-06	0.01650348	0.001184329	0.003593915	0.010
2083	0.00001	80.37200565	74.30309213	0.47126465	0.013241555	1133.901322	0.015848272	0.004712647	0.004712647	0.008643208	0.003483967	4.157650223	9.8185E-06	0.016481203	0.00118273	0.003589064	0.010
2084	0.00001	80.26337091	74.20266042	0.470627666	0.013223657	1132.368685	0.01582685	0.004706277	0.004706277	0.008631525	0.003479258	4.15203054	9.80523E-06	0.016458927	0.001181131	0.003584213	0.010
2085	0.00001	80.15473617	74.10222872	0.469990681	0.01320576	1130.836048	0.015805429	0.004699907	0.004699907	0.008619842	0.003474549	4.146410856	9.79196E-06	0.01643665	0.001179533	0.003579362	0.010
2086	0.00001	80.04610143	74.00179702	0.469353697	0.013187862	1129.303412	0.015784008	0.004693537	0.004693537	0.00860816	0.00346984	4.140791172	9.77869E-06	0.016414373	0.001177934	0.003574511	0.010
2087	0.00001	79.93746669	73.90136532	0.468716712	0.013169964	1127.770775	0.015762587	0.004687167	0.004687167	0.008596477	0.003465131	4.135171488	9.76542E-06	0.016392096	0.001176336	0.00356966	0.010
2088	0.00001	79.82883194	73.80093362	0.468079728	0.013152066	1126.238138	0.015741165	0.004680797	0.004680797	0.008584795	0.003460422	4.129551804	9.75215E-06	0.016369819	0.001174737	0.003564808	0.010
2089	0.00001	79.7201972	73.70050192	0.467442744	0.013134168	1124.705502	0.015719744	0.004674427	0.004674427	0.008573112	0.003455712	4.12393212	9.73888E-06	0.016347543	0.001173138	0.003559957	0.010
2090	0.00001	79.61156246	73.60007022	0.466805759	0.01311627	1123.172865	0.015698323	0.004668058	0.004668058	0.00856143	0.003451003	4.118312437	9.72561E-06	0.016325266	0.00117154	0.003555106	0.010
2091	0.00001	79.50292772	73.49963852	0.466168775	0.013098372	1121.640229	0.015676901	0.004661688	0.004661688	0.008549747	0.003446294	4.112692753	9.71234E-06	0.016302989	0.001169941	0.003550255	0.010
2092	0.00001	79.39429297	73.39920681	0.46553179	0.013080474	1120.107592	0.01565548	0.004655318	0.004655318	0.008538064	0.003441585	4.107073069	9.69906E-06	0.016280712	0.001168342	0.003545404	0.010
2093	0.00001	79.28565823	73.29877511	0.464894806	0.013062576	1118.574955	0.015634059	0.004648948	0.004648948	0.008526382	0.003436876	4.101453385	9.68579E-06	0.016258435	0.001166744	0.003540553	0.010
2094	0.00001	79.17702349	73.19834341	0.464257822	0.013044678	1117.042319	0.015612637	0.004642578	0.004642578	0.008514699	0.003432167	4.095833701	9.67252E-06	0.016236158	0.001165145	0.003535701	0.010
2095	0.00001	79.06838875	73.09791171	0.463620837	0.01302678	1115.509682	0.015591216	0.004636208	0.004636208	0.008503017	0.003427458	4.090214017	9.65925E-06	0.016213882	0.001163546	0.00353085	0.010
2096	0.00001	78.959754	72.99748001	0.462983853	0.013008882	1113.977046	0.015569795	0.004629839	0.004629839	0.008491334	0.003422749	4.084594334	9.64598E-06	0.016191605	0.001161948	0.003525999	0.010
2097	0.00001	78.85111926	72.89704831	0.462346868	0.012990984	1112.444409	0.015548374	0.004623469	0.004623469	0.008479651	0.00341804	4.07897465	9.63271E-06	0.016169328	0.001160349	0.003521148	0.010
2098	0.00001	78.74248452	72.79661661	0.461709884	0.012973086	1110.911772	0.015526952	0.004617099	0.004617099	0.008467969	0.003413331	4.073354966	9.61944E-06	0.016147051	0.001158751	0.003516297	0.010
2099	0.00001	78.63384978	72.6961849	0.4610729	0.012955188	1109.379136	0.015505531	0.004610729	0.004610729	0.008456286	0.003408621	4.067735282	9.60617E-06	0.016124774	0.001157152	0.003511446	0.010
2100	0.00001	78.52521503	72.5957532	0.460435915	0.01293729	1107.846499	0.01548411	0.004604359	0.004604359	0.008444604	0.003403912	4.062115598	9.59289E-06	0.016102498	0.001155553	0.003506595	0.010
2101	0.00001	78.41658029	72.4953215	0.459798931	0.012919393	1106.313863	0.015462688	0.004597989	0.004597989	0.008432921	0.003399203	4.056495914	9.57962E-06	0.016080221	0.001153955	0.003501743	0.010
2102	0.00001	78.30794555	72.3948898	0.459161946	0.012901495	1104.781226	0.015441267	0.004591619	0.004591619	0.008421239	0.003394494	4.050876231	9.56635E-06	0.016057944	0.001152356	0.003496892	0.010
2103	0.00001	78.19931081	72.2944581	0.458524962	0.012883597	1103.248589	0.015419846	0.00458525	0.00458525	0.008409556	0.003389785	4.045256547	9.55308E-06	0.016035667	0.001150757	0.003492041	0.010
2104	0.00001	78.09067607	72.1940264	0.457887978	0.012865699	1101.715953	0.015398424	0.00457888	0.00457888	0.008397873	0.003385076	4.039636863	9.53981E-06	0.01601339	0.001149159	0.00348719	0.010
2105	0.00001	77.98204132	72.0935947	0.457250993	0.012847801	1100.183316	0.015377003	0.00457251	0.00457251	0.008386191	0.003380367	4.034017179	9.52654E-06	0.015991114	0.00114756	0.003482339	0.010
2106	0.00001	77.87340658	71.993163	0.456614009	0.012829903	1098.65068	0.015355582	0.00456614	0.00456614	0.008374508	0.003375658	4.028397495	9.51327E-06	0.015968837	0.001145961	0.003477488	0.010
2107	0.00001	77.76477184	71.89273129	0.455977024	0.012812005	1097.118043	0.015334161	0.00455977	0.00455977	0.008362826	0.003370949	4.022777811	9.5E-06	0.01594656	0.001144363	0.003472636	0.010
2108	0.00001	77.6561371	71.79229959	0.45534004	0.012794107	1095.585406	0.015312739	0.0045534	0.0045534	0.008351143	0.00336624	4.017158128	9.48673E-06	0.015924283	0.001142764	0.003467785	0.010
2109	0.00001	77.54750235	71.69186789	0.454703056	0.012776209	1094.05277	0.015291318	0.004547031	0.004547031	0.00833946	0.00336153	4.011538444	9.47345E-06	0.015902006	0.001141166	0.003462934	0.010
2110	0.00001	77.43886761	71.59143619	0.454066071	0.012758311	1092.520133	0.015269897	0.004540661	0.004540661	0.008327778	0.003356821	4.00591876	9.46018E-06	0.01587973	0.001139567	0.003458083	0.010
2111	0.00001	77.33023287	71.49100449	0.453429087	0.012740413	1090.987497	0.015248475	0.004534291	0.004534291	0.008316095	0.003352112	4.000299076	9.44691E-06	0.015857453	0.001137968	0.003453232	0.010
2112	0.00001	77.22159813	71.39057279	0.452792102	0.012722515	1089.45486	0.015227054	0.004527921	0.004527921	0.008304413	0.003347403	3.994679392	9.43364E-06	0.015835176	0.00113637	0.003448381	0.010
2113	0.00001	77.11296338	71.29014109	0.452155118	0.012704617	1087.922223	0.015205633	0.004521551	0.004521551	0.00829273	0.003342694	3.989059708	9.42037E-06	0.015812899	0.001134771	0.003443529	0.010
2114	0.00001	77.00432864	71.18970938	0.451518134	0.012686719	1086.389587	0.015184211	0.004515181	0.004515181	0.008281048	0.003337985	3.983440025	9.4071E-06	0.015790622	0.001133172	0.003438678	0.010
2115	0.00001	76.8956939	71.08927768	0.450881149	0.012668821	1084.85695	0.01516279	0.004508811	0.004508811	0.008269365	0.003333276	3.977820341	9.39383E-06	0.015768346	0.001131574	0.003433827	0.010
2116	0.00001	76.78705916	70.98884598	0.450244165	0.012650924	1083.324314	0.015141369	0.004502442	0.004502442	0.008257682	0.003328567	3.972200657	9.38056E-06	0.015746069	0.001129975	0.003428976	0.010
2117	0.00001	76.67842442	70.88841428	0.44960718	0.012633026	1081.791677	0.015119948	0.004496072	0.004496072	0.008246	0.003323858	3.966580973	9.36728E-06	0.015723792	0.001128376	0.003424125	0.010
2118	0.00001	76.56978967	70.78798258	0.448970196	0.012615128	1080.25904	0.015098526	0.004489702	0.004489702	0.008234317	0.003319149	3.960961289	9.35401E-06	0.015701515	0.001126778	0.003419274	0.010
2119	0.00001	76.46115493	70.68755088	0.448333212	0.01259723	1078.726404	0.015077105	0.004483332	0.004483332	0.008222635	0.003314439	3.955341605	9.34074E-06	0.015679238	0.001125179	0.003414423	0.010
2120	0.00001	76.35252019	70.58711918	0.447696227	0.012579332	1077.193767	0.015055684	0.004476962	0.004476962	0.008210952	0.00330973	3.949721922	9.32747E-06	0.015656962	0.001123581	0.003409571	0.010
WRSF5																	
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0.00001	18.71261259	49.04234309	0.5	0.00664752	748.4100062	0.067559379	0.005	0.005	0.010706729	0.003536613	2.180060104	3.93018E-06	0.00292813	0.005252007	0.007183939	0.01
2025	0.00001	18.71261259	49.04234309	0.5	0.00664752	748.4100062	0.067559379	0.005	0.005	0.010706729	0.003536613	2.180060104	3.93018E-06	0.00292813	0.005252007	0.007183939	0.01
2026	0.00001	19.02696123	51.11886647	0.499997019	0.005562232	780.0987629	0.073703795	0.00499997	0.00499997	0.010091644	0.003530658	1.829173606	3.4699E-06	0.002886293	0.005122074	0.007224866	0.01
2027	0.00001	18.13820021	50.93754648	0.499823144	0.005694817	777.3317316	0.07384287	0.004998231	0.004998231	0.010224138	0.003535601	1.885165113	3.46901E-06	0.002741765	0.005147975	0.007221686	0.01
2028	0.00001	18.23701185	49.72362503	0.499307094	0.005940552	758.8066999	0.072942875	0.004993071	0.004993071	0.010388574	0.003529014	1.971005401	3.59815E-06	0.002806972	0.005178443	0.007210508	0.01
2029	0.00001	18.23701185	49.72362503	0.499307094	0.005940552	663.2512562	0.072942875	0.004993071	0.004993071	0.010388574	0.003529014	1.971005401	3.59815E-06	0.002806972	0.005178443	0.007210508	0.01
2030	0.00001	18.23701185	49.72362503	0.499307094	0.005940552	579.728973	0.072942875	0.004993071	0.004993071	0.010388574	0.003529014	1.971005401	3.59815E-06	0.002806972	0.005178443	0.007210508	0.01
2031	0.00001	18.23701185	49.72362503	0.499307094	0.005940552	506.7245316	0.072942875	0.004993071	0.004993071	0.010388574	0.003529014	1.971005401	3.59815E-06	0.002806972	0.005178443	0.007210508	0.01
2032	0.00001	18.23701185	49.72362503	0.499307094	0.005940552	442.9134352	0.072942875	0.004993071	0.004993071	0.010388574	0.003529014	1.971005401	3.59815E-06	0.002806972	0.005178443	0.007210508	0.01
2033	0.00001	18.23701185	49.72362503	0.499307094	0.005940552	387.1379791	0.072942875	0.004993071	0.004993071	0.010388574	0.003529014	1.971005401	3.59815E-06	0.002806972	0.005178443	0.007210508	0.01
2034	0.00001	18.23701185	49.72362503	0.499307094	0.005940552	338.3862464	0.072942875	0.004993071	0.004993071	0.010388574	0.003529014	1.971005401	3.59815E-06	0.002806972	0.005178443	0.007210508	0.01
2035	0.00001	18.23701185	49.72362503	0.499307094	0.005940552	295.7737498	0.072942875	0.004993071	0.004993071	0.010388574	0.003529014	1.971005401	3.59815E-06	0.002806972	0.005178443	0.007210508	0.01
2036	0.00001	146.461778	116.2009876	0.531752061	0.0357	1773.283582	0.062	0.058058925	0.058058925	0.00387	0.00367	0.740156691	3.59815E-06	0.0519	0.00153	0.005	0.01
2037	0.00001	16.72481507	61.64966854	0.499816924	0.006436878	940.8039239	0.076399591	0.004998169	0.004998169	0.009920309	0.003623498	1.916268351	3.29967E-06	0.00303522	0.004846229	0.007065098	0.01
2038	0.00001	16.20283465	70.6617614	0.499761609	0.006950533	1078.332844	0.072253818	0.004997616	0.004997616	0.009556991	0.003685454	1.916391221	3.20724E-06	0.003102283	0.004652463	0.006938419	0.01
2039	0.00001	15.84407107	72.46201271	0.49947877	0.007288941	1105.805554	0.073203523	0.004994788	0.004994788	0.009598992	0.00370403	1.978845611	3.23841E-06	0.003237904	0.004591112	0.006894311	0.01

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2040	0.00001	14.46758433	82.20460092	0.497964243	0.008063252	1254.482188	0.075322557	0.004979642	0.004979642	0.009333325	0.003776839	2.03063933	3.10648E-06	0.003538624	0.004295977	0.006721196	0.01
2041	0.00001	14.46758433	82.20460092	0.497964243	0.008063252	1096.507038	0.075322557	0.004979642	0.004979642	0.009333325	0.003776839	2.03063933	3.10648E-06	0.003538624	0.004295977	0.006721196	0.01
2042	0.00001	14.46758433	82.20460092	0.497964243	0.008063252	958.4254736	0.075322557	0.004979642	0.004979642	0.009333325	0.003776839	2.03063933	3.10648E-06	0.003538624	0.004295977	0.006721196	0.01
2043	0.00001	14.46758433	82.20460092	0.497964243	0.008063252	837.7323229	0.075322557	0.004979642	0.004979642	0.009333325	0.003776839	2.03063933	3.10648E-06	0.003538624	0.004295977	0.006721196	0.01
2044	0.00001	14.44903227	82.09918838	0.497325694	0.008052912	836.6580826	0.07522597	0.004973257	0.004973257	0.009321356	0.003771996	2.028035402	3.1025E-06	0.003534086	0.004290468	0.006712577	0.010
2045	0.00001	14.32633698	82.02886015	0.496684535	0.008037002	836.3787207	0.075206062	0.004966845	0.004966845	0.009308597	0.003767469	2.022021642	3.08756E-06	0.003510523	0.004288876	0.006708061	0.010
2046	0.00001	14.20364169	81.95853192	0.496043375	0.008021092	836.0993587	0.075186155	0.004960434	0.004960434	0.009295838	0.003762943	2.016007882	3.07262E-06	0.00348696	0.004287285	0.006703546	0.010
2047	0.00001	14.0809464	81.8882037	0.495402216	0.008005181	835.8199967	0.075166247	0.004954022	0.004954022	0.009283079	0.003758416	2.009994123	3.05768E-06	0.003463397	0.004285693	0.00669903	0.010
2048	0.00001	13.95825111	81.81787547	0.494761056	0.007989271	835.5406347	0.075146339	0.004947611	0.004947611	0.00927032	0.003753889	2.003980363	3.04274E-06	0.003439834	0.004284101	0.006694514	0.010
2049	0.00001	13.83555582	81.74754724	0.494119896	0.007973361	835.2612728	0.075126432	0.004941199	0.004941199	0.009257561	0.003749363	1.997966603	3.0278E-06	0.00341627	0.004282509	0.006689998	0.010
2050	0.00001	13.71286053	81.67721901	0.493478737	0.007957451	834.9819108	0.075106524	0.004934787	0.004934787	0.009244802	0.003744836	1.991952843	3.01286E-06	0.003392707	0.004280918	0.006685483	0.010
2051	0.00001	13.59016524	81.60689079	0.492837577	0.00794154	834.7025488	0.075086617	0.004928376	0.004928376	0.009232043	0.00374031	1.985939084	2.99791E-06	0.003369144	0.004279326	0.006680967	0.010
2052	0.00001	13.46746995	81.53656256	0.492196418	0.00792563	834.4231868	0.075066709	0.004921964	0.004921964	0.009219284	0.003735783	1.979925324	2.98297E-06	0.003345581	0.004277734	0.006676451	0.010
2053	0.00001	13.34477466	81.46623433	0.491555258	0.00790972	834.1438249	0.075046802	0.004915553	0.004915553	0.009206525	0.003731256	1.973911564	2.96803E-06	0.003322018	0.004276143	0.006671935	0.010
2054	0.00001	13.22207937	81.3959061	0.490914098	0.00789381	833.8644629	0.075026894	0.004909141	0.004909141	0.009193766	0.00372673	1.967897804	2.95309E-06	0.003298455	0.004274551	0.00666742	0.010
2055	0.00001	13.09938408	81.32557788	0.490272939	0.007877899	833.5851009	0.075006987	0.004902729	0.004902729	0.009181007	0.003722203	1.961884045	2.93815E-06	0.003274892	0.004272959	0.006662904	0.010
2056	0.00001	12.97668879	81.25524965	0.489631779	0.007861989	833.305739	0.074987079	0.004896318	0.004896318	0.009168248	0.003717677	1.955870285	2.92321E-06	0.003251328	0.004271368	0.006658388	0.010
2057	0.00001	12.8539935	81.18492142	0.48899062	0.007846079	833.026377	0.074967172	0.004889906	0.004889906	0.009155488	0.00371315	1.949856525	2.90827E-06	0.003227765	0.004269776	0.006653872	0.010
2058	0.00001	12.73129821	81.11459319	0.48834946	0.007830169	832.747015	0.074947264	0.004883495	0.004883495	0.009142729	0.003708624	1.943842765	2.89333E-06	0.003204202	0.004268184	0.006649356	0.010
2059	0.00001	12.60860292	81.04426497	0.4877083	0.007814259	832.467653	0.074927357	0.004877083	0.004877083	0.00912997	0.003704097	1.937829005	2.87839E-06	0.003180639	0.004266592	0.006644841	0.010
2060	0.00001	12.48590764	80.97393674	0.487067141	0.007798348	832.1882911	0.074907449	0.004870671	0.004870671	0.009117211	0.00369957	1.931815246	2.86345E-06	0.003157076	0.004265001	0.006640325	0.010
2061	0.00001	12.36321235	80.90360851	0.486425981	0.007782438	831.9089291	0.074887542	0.00486426	0.00486426	0.009104452	0.003695044	1.925801486	2.84851E-06	0.003133513	0.004263409	0.006635809	0.010
2062	0.00001	12.24051706	80.83328028	0.485784822	0.007766528	831.6295671	0.074867634	0.004857848	0.004857848	0.009091693	0.003690517	1.919787726	2.83356E-06	0.003109949	0.004261817	0.006631293	0.010
2063	0.00001	12.11782177	80.76295206	0.485143662	0.007750618	831.3502051	0.074847727	0.004851437	0.004851437	0.009078934	0.003685991	1.913773966	2.81862E-06	0.003086386	0.004260226	0.006626778	0.010
2064	0.00001	11.99512648	80.69262383	0.484502502	0.007734707	831.0708432	0.074827819	0.004845025	0.004845025	0.009066175	0.003681464	1.907760207	2.80368E-06	0.003062823	0.004258634	0.006622262	0.010
2065	0.00001	11.87243119	80.6222956	0.483861343	0.007718797	830.7914812	0.074807912	0.004838613	0.004838613	0.009053416	0.003676937	1.901746447	2.78874E-06	0.00303926	0.004257042	0.006617746	0.010
2066	0.00001	11.7497359	80.55196737	0.483220183	0.007702887	830.5121192	0.074788004	0.004832202	0.004832202	0.009040657	0.003672411	1.895732687	2.7738E-06	0.003015697	0.004255451	0.00661323	0.010
2067	0.00001	11.62704061	80.48163915	0.482579024	0.007686977	830.2327573	0.074768097	0.00482579	0.00482579	0.009027898	0.003667884	1.889718927	2.75886E-06	0.002992134	0.004253859	0.006608714	0.010
2068	0.00001	11.50434532	80.41131092	0.481937864	0.007671066	829.9533953	0.074748189	0.004819379	0.004819379	0.009015139	0.003663358	1.883705168	2.74392E-06	0.00296857	0.004252267	0.006604199	0.010
2069	0.00001	11.38165003	80.34098269	0.481296704	0.007655156	829.6740333	0.074728281	0.004812967	0.004812967	0.00900238	0.003658831	1.877691408	2.72898E-06	0.002945007	0.004250675	0.006599683	0.010
2070	0.00001	11.25895474	80.27065447	0.480655545	0.007639246	829.3946713	0.074708374	0.004806555	0.004806555	0.00898962	0.003654304	1.871677648	2.71404E-06	0.002921444	0.004249084	0.006595167	0.010
2071	0.00001	11.13625945	80.20032624	0.480014385	0.007623336	829.1153094	0.074688466	0.004800144	0.004800144	0.008976861	0.003649778	1.865663888	2.6991E-06	0.002897881	0.004247492	0.006590651	0.010
2072	0.00001	11.01356416	80.12999801	0.479373226	0.007607426	828.8359474	0.074668559	0.004793732	0.004793732	0.008964102	0.003645251	1.859650128	2.68416E-06	0.002874318	0.0042459	0.006586136	0.010
2073	0.00001	10.89086887	80.05966978	0.478732066	0.007591515	828.5565854	0.074648651	0.004787321	0.004787321	0.008951343	0.003640725	1.853636369	2.66922E-06	0.002850755	0.004244309	0.00658162	0.010
2074	0.00001	10.76817358	79.98934156	0.478090906	0.007575605	828.2772234	0.074628744	0.004780909	0.004780909	0.008938584	0.003636198	1.847622609	2.65427E-06	0.002827192	0.004242717	0.006577104	0.010
2075	0.00001	10.64547829	79.91901333	0.477449747	0.007559695	827.9978615	0.074608836	0.004774497	0.004774497	0.008925825	0.003631672	1.841608849	2.63933E-06	0.002803628	0.004241125	0.006572588	0.010
2076	0.00001	10.522783	79.8486851	0.476808587	0.007543785	827.7184995	0.074588929	0.004768086	0.004768086	0.008913066	0.003627145	1.835595089	2.62439E-06	0.002780065	0.004239534	0.006568072	0.010
2077	0.00001	10.40008771	79.77835687	0.476167428	0.007527874	827.4391375	0.074569021	0.004761674	0.004761674	0.008900307	0.003622618	1.82958133	2.60945E-06	0.002756502	0.004237942	0.006563557	0.010
2078	0.00001	10.27739242	79.70802865	0.475526268	0.007511964	827.1597756	0.074549114	0.004755263	0.004755263	0.008887548	0.003618092	1.82356757	2.59451E-06	0.002732939	0.00423635	0.006559041	0.010
2079	0.00001	10.15469713	79.63770042	0.474885108	0.007496054	826.8804136	0.074529206	0.004748851	0.004748851	0.008874789	0.003613565	1.81755381	2.57957E-06	0.002709376	0.004234758	0.006554525	0.010
2080	0.00001	10.03200184	79.56737219	0.474243949	0.007480144	826.6010516	0.074509299	0.004742439	0.004742439	0.00886203	0.003609039	1.81154005	2.56463E-06	0.002685813	0.004233167	0.006550009	0.010
2081	0.00001	9.909306554	79.49704396	0.473602789	0.007464233	826.3216896	0.074489391	0.004736028	0.004736028	0.008849271	0.003604512	1.805526291	2.54969E-06	0.002662249	0.004231575	0.006545494	0.010
2082	0.00001	9.786611265	79.42671574	0.47296163	0.007448323	826.0423277	0.074469484	0.004729616	0.004729616	0.008836512	0.003599985	1.799512531	2.53475E-06	0.002638686	0.004229983	0.006540978	0.010
2083	0.00001	9.663915975	79.35638751	0.47232047	0.007432413	825.7629657	0.074449576	0.004723205	0.004723205	0.008823752	0.003595459	1.793498771	2.51981E-06	0.002615123	0.004228392	0.006536462	0.010
2084	0.00001	9.541220686	79.28605928	0.47167931	0.007416503	825.4836037	0.074429669	0.004716793	0.004716793	0.008810993	0.003590932	1.787485011	2.50487E-06	0.00259156	0.0042268	0.006531946	0.010
2085	0.00001	9.418525396	79.21573105	0.471038151	0.007400593	825.2042417	0.074409761	0.004710382	0.004710382	0.008798234	0.003586406	1.781471251	2.48992E-06	0.002567997	0.004225208	0.006527431	0.010
2086	0.00001	9.295830107	79.14540283	0.470396991	0.007384682	824.9248798	0.074389854	0.00470397	0.00470397	0.008785475	0.003581879	1.775457492	2.47498E-06	0.002544434	0.004223617	0.006522915	0.010
2087	0.00001	9.173134817	79.0750746	0.469755832	0.007368772	824.6455178	0.074369946	0.004697558	0.004697558	0.008772716	0.003577353	1.769443732	2.46004E-06	0.002520871	0.004222025	0.006518399	0.010
2088	0.00001	9.050439527	79.00474637	0.469114672	0.007352862	824.3661558	0.074350039	0.004691147	0.004691147	0.008759957	0.003572826	1.763429972	2.4451E-06	0.002497307	0.004220433	0.006513883	0.010
2089	0.00001	8.927744238	78.93441815	0.468473512	0.007336952	824.0867939	0.074330131	0.004684735	0.004684735	0.008747198	0.003568299	1.757416212	2.43016E-06	0.002473744	0.004218841	0.006509367	0.010
2090	0.00001	8.805048948	78.86408992	0.467832353	0.007321041	823.8074319	0.074310223	0.004678324	0.004678324	0.008734439	0.003563773	1.751402453	2.41522E-06	0.002450181	0.00421725	0.006504852	0.010
2091	0.00001	8.682353659	78.79376169	0.467191193	0.007305131	823.5280699	0.074290316	0.004671912	0.004671912	0.00872168	0.003559246	1.745388693	2.40028E-06	0.002426618	0.004215658	0.006500336	0.010
2092	0.00001	8.559658369	78.72343346	0.466550034	0.007289221	823.2487079	0.074270408	0.0046655	0.0046655	0.008708921	0.00355472	1.739374933	2.38534E-06	0.002403055	0.004214066	0.00649582	0.010
2093	0.00001	8.43696308	78.65310524	0.465908874	0.007273311	822.969346	0.074250501	0.004659089	0.004659089	0.008696162	0.003550193	1.733361173	2.3704E-06	0.002379492	0.004212475	0.006491304	0.010
2094	0.00001	8.31426779	78.58277701	0.465267714	0.0072574	822.689984	0.074230593	0.004652677	0.004652677	0.008683403	0.003545666	1.727347414	2.35546E-06	0.002355928	0.004210883	0.006486789	0.010
2095	0.00001	8.191572501	78.51244878	0.464626555	0.00724149	822.410622	0.074210686	0.004646266	0.004646266	0.008670644	0.00354114	1.721333654	2.34052E-06	0.002332365	0.004209291	0.006482273	0.010
2096	0.00001	8.068877211	78.44212055	0.463985395	0.00722558	822.13126	0.074190778	0.004639854	0.004639854	0.008657884	0.003536613	1.715319894	2.32558E-06	0.002308802	0.0042077	0.006477757	0.010
2097	0.00001	7.946181921	78.37179233	0.463344236	0.00720967	821.8518981	0.074170871	0.004633442	0.004633442	0.008645125	0.003532087	1.709306134	2.31063E-06	0.002285239	0.004206108	0.006473241	0.010
2098	0.00001	7.823486632	78.3014641	0.462703076	0.00719376	821.5725361	0.074150963	0.004627031	0.004627031	0.008632366	0.00352756	1.703292374	2.29569E-06	0.002261676	0.004204516	0.006468725	0.010
2099	0.00001	7.700791342	78.23113587	0.462061916	0.007177849	821.2931741	0.074131056	0.004620619	0.004620619	0.008619607	0.003523033	1.697278615	2.28075E-06	0.002238113	0.004202924	0.00646421	0.010
2100	0.00001	7.578096053	78.16080764	0.461420757	0.007161939	821.0138122	0.074111148	0.004614208	0.004614208	0.008606848	0.003518507	1.691264855	2.26581E-06	0.002214549	0.004201333	0.006459694	0.010
2101	0.00001	7.455400763	78.09047942	0.460779597	0.007146029	820.7344502	0.074091241	0.004607796	0.004607796	0.008594089	0.00351398	1.685251095	2.25087E-06	0.002190986	0.004199741	0.006455178	0.010
2102	0.00001	7.332705474	78.02015119	0.460138438	0.007130119	820.4550882	0.074071333	0.004601384	0.004601384	0.00858133	0.003509454	1.679237335	2.23593E-06	0.002167423	0.004198149	0.006450662	0.010
2103	0.00001	7.210010184	77.94982296	0.459497278	0.007114208	820.1757262	0.074051426	0.004594973	0.004594973	0.008568571	0.003504927	1.673223576	2.22099E-06	0.00214386	0.004196558	0.006446147	0.010
2104	0.00001	7.087314895	77.87949473	0.458856118	0.007098298	819.8963643	0.074031518	0.004588561	0.004588561	0.008555812	0.003500401	1.667209816	2.20605E-06	0.002120297	0.004194966	0.006441631	0.010
2105	0.00001	6.964619605	77.80916651	0.458214959	0.007082388	819.6170023	0.074011611	0.00458215	0.00458215	0.008543053	0.003495874	1.661196056	2.19111E-06	0.002096734	0.004193374	0.006437115	0.010
2106	0.00001	6.841924315	77.73883828	0.457573799	0.007066478	819.3376403	0.073991703	0.004575738	0.004575738	0.008530294	0.003491347	1.655182296	2.17617E-06	0.002073171	0.004191783	0.006432599	0.010
2107	0.00001	6.719229026	77.66851005	0.45693264	0.007050567	819.0582783	0.073971796	0.004569326	0.004569326	0.008517535	0.003486821	1.649168537	2.16123E-06	0.002049607	0.004190191	0.006428083	0.010
2108	0.00001	6.596533736	77.59818182	0.45629148	0.007034657	818.7789164	0.073951888	0.004562915	0.004562915	0.008504776	0.003482294	1.643154777	2.14628E-06	0.002026044	0.004188599	0.006423568	0.010
2109	0.00001	6.473838447	77.5278536	0.45565032	0.007018747	818.4995544	0.073931981	0.004556503	0.004556503	0.008492016	0.003477768	1.637141017	2.13134E-06	0.002002481	0.004187007	0.006419052	0.010
2110	0.00001	6.351143157	77.45752537	0.455009161	0.007002837	818.2201924	0.073912073	0.004550092	0.004550092	0.008479257	0.003473241	1.631127257	2.1164E-06	0.001978918	0.004185416	0.006414536	0.010
2111	0.00001	6.228447868	77.38719714	0.454368001	0.006986926	817.9408305	0.073892166	0.00454368	0.00454368	0.008466498	0.003468714	1.625113497	2.10146E-06	0.001955355	0.004183824	0.00641002	0.010
2112	0.00001	6.105752578	77.31686892	0.453726842	0.006971016	817.6614685	0.073872258	0.004537268	0.004537268	0.008453739	0.003464188	1.619099738	2.08652E-06	0.001931792	0.004182232	0.006405505	0.010
2113	0.00001	5.983057288	77.24654069	0.453085682	0.006955106	817.3821065	0.07385235	0.004530857	0.004530857	0.00844098	0.003459661	1.613085978	2.07158E-06	0.001908228	0.004180641	0.006400989	0.010
2114	0.00001	5.860361999	77.17621246	0.452444522	0.006939196	817.1027445	0.073832443	0.004524445	0.004524445	0.008428221	0.003455135	1.607072218	2.05664E-06	0.001884665	0.004179049	0.006396473	0.010

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2115	0.00001	5.737666709	77.10588423	0.451803363	0.006923286	816.8233826	0.073812535	0.004518034	0.004518034	0.008415462	0.003450608	1.601058458	2.0417E-06	0.001861102	0.004177457	0.006391957	0.010
2116	0.00001	5.61497142	77.03555601	0.451162203	0.006907375	816.5440206	0.073792628	0.004511622	0.004511622	0.008402703	0.003446082	1.595044699	2.02676E-06	0.001837539	0.004175866	0.006387442	0.010
2117	0.00001	5.49227613	76.96522778	0.450521044	0.006891465	816.2646586	0.07377272	0.00450521	0.00450521	0.008389944	0.003441555	1.589030939	2.01182E-06	0.001813976	0.004174274	0.006382926	0.010
2118	0.00001	5.369580841	76.89489955	0.449879884	0.006875555	815.9852966	0.073752813	0.004498799	0.004498799	0.008377185	0.003437028	1.583017179	1.99688E-06	0.001790413	0.004172682	0.00637841	0.010
2119	0.00001	5.246885551	76.82457132	0.449238724	0.006859645	815.7059347	0.073732905	0.004492387	0.004492387	0.008364426	0.003432502	1.577003419	1.98194E-06	0.00176685	0.00417109	0.006373894	0.010
2120	0.00001	5.124190262	76.7542431	0.448597565	0.006843734	815.4265727	0.073712998	0.004485976	0.004485976	0.008351667	0.003427975	1.570989659	1.96699E-06	0.001743286	0.004169499	0.006369378	0.010
WRSF6																	
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0.00001	146.461778	116.2009876	0.531752061	0.0357	1773.283582	0.062	0.058058925	0.058058925	0.00387	0.00367	0.740156691	4.07301E-06	0.0519	0.00153	0.005	0.01
2028	0.00001	15.09466713	88.91485532	0.49997007	0.011060578	1356.883934	0.05930172	0.004999701	0.004999701	0.010314353	0.003659204	1.688199833	4.07301E-06	0.003255596	0.005261416	0.008758715	0.01
2029	0.00001	14.96319661	89.91898109	0.5	0.011063418	1372.207382	0.059622661	0.005	0.005	0.010247919	0.003662008	1.643987219	4.02843E-06	0.003238792	0.005253017	0.008797754	0.01
2030	0.00001	13.24568758	160.5571721	0.5	0.011780514	2450.18053	0.054149948	0.005	0.005	0.01015286	0.003827505	1.448061903	3.59774E-06	0.003306274	0.00469514	0.00987897	0.01
2031	0.00001	12.85475859	189.8253042	0.5	0.012101256	2896.82646	0.050711093	0.005	0.005	0.010308425	0.003895351	1.490142019	3.53419E-06	0.003387501	0.004466438	0.010258046	0.01
2032	0.00001	9.306805507	323.6840939	0.5	0.013438545	4939.57669	0.041411523	0.005	0.005	0.00995	0.004209631	1.006141908	2.61294E-06	0.003466665	0.003407026	0.012369965	0.01
2033	0.00001	12.35258427	185.8686582	0.5	0.012017015	2836.446118	0.053203089	0.005	0.005	0.00995	0.003887436	1.271133972	3.34391E-06	0.003284334	0.004493118	0.010326066	0.01
2034	0.00001	11.31008063	233.039876	0.5	0.012503574	3556.301842	0.049167093	0.005	0.005	0.00995	0.003997716	1.180432968	3.09372E-06	0.003346742	0.004121373	0.011025648	0.01
2035	0.00001	8.540842803	354.4061733	0.497288936	0.013700839	5408.410562	0.038399975	0.004972889	0.004972889	0.009897423	0.004262728	0.939107264	2.42733E-06	0.00349121	0.003132625	0.012784066	0.01
2036	0.00001	12.65440285	198.6479605	0.495280117	0.012107969	3031.464485	0.048755992	0.004952801	0.004952801	0.01030569	0.003883043	1.515460529	3.50027E-06	0.003395407	0.004341813	0.010285203	0.01
2037	0.00001	12.65440285	198.6479605	0.495280117	0.012107969	2649.716493	0.048755992	0.004952801	0.004952801	0.01030569	0.003883043	1.515460529	3.50027E-06	0.003395407	0.004341813	0.010285203	0.01
2038	0.00001	12.65440285	198.6479605	0.495280117	0.012107969	2316.04148	0.048755992	0.004952801	0.004952801	0.01030569	0.003883043	1.515460529	3.50027E-06	0.003395407	0.004341813	0.010285203	0.01
2039	0.00001	12.65440285	198.6479605	0.495280117	0.012107969	2024.385685	0.048755992	0.004952801	0.004952801	0.01030569	0.003883043	1.515460529	3.50027E-06	0.003395407	0.004341813	0.010285203	0.01
2040	0.00001	12.65440285	198.6479605	0.495280117	0.012107969	1769.457688	0.048755992	0.004952801	0.004952801	0.01030569	0.003883043	1.515460529	3.50027E-06	0.003395407	0.004341813	0.010285203	0.01
2041	0.00001	12.65440285	198.6479605	0.495280117	0.012107969	1546.632409	0.048755992	0.004952801	0.004952801	0.01030569	0.003883043	1.515460529	3.50027E-06	0.003395407	0.004341813	0.010285203	0.01
2042	0.00001	12.65440285	198.6479605	0.495280117	0.012107969	1351.867199	0.048755992	0.004952801	0.004952801	0.01030569	0.003883043	1.515460529	3.50027E-06	0.003395407	0.004341813	0.010285203	0.01
2043	0.00001	12.65440285	198.6479605	0.495280117	0.012107969	1181.628494	0.048755992	0.004952801	0.004952801	0.01030569	0.003883043	1.515460529	3.50027E-06	0.003395407	0.004341813	0.010285203	0.01
2044	0.00001	12.63817587	198.3932304	0.49464501	0.012092443	1180.113269	0.048693472	0.00494645	0.00494645	0.010292475	0.003878064	1.513517225	3.49579E-06	0.003391053	0.004336246	0.010272014	0.010
2045	0.00001	12.62194889	198.1385003	0.494009903	0.012076917	1178.598044	0.048630951	0.004940099	0.004940099	0.01027926	0.003873084	1.511573921	3.4913E-06	0.003386699	0.004330678	0.010258825	0.010
2046	0.00001	12.6057219	197.8837702	0.493374796	0.01206139	1177.082819	0.04856843	0.004933748	0.004933748	0.010266044	0.003868105	1.509630617	3.48681E-06	0.003382345	0.00432511	0.010245636	0.010
2047	0.00001	12.58949492	197.6290401	0.492739689	0.012045864	1175.567595	0.048505909	0.004927397	0.004927397	0.010252829	0.003863126	1.507687313	3.48232E-06	0.003377991	0.004319543	0.010232447	0.010
2048	0.00001	12.57326794	197.37431	0.492104581	0.012030338	1174.05237	0.048443389	0.004921046	0.004921046	0.010239614	0.003858146	1.505744009	3.47783E-06	0.003373637	0.004313975	0.010219258	0.010
2049	0.00001	12.55704095	197.1195799	0.491469474	0.012014811	1172.537145	0.048380868	0.004914695	0.004914695	0.010226399	0.003853167	1.503800704	3.47334E-06	0.003369283	0.004308408	0.010206069	0.010
2050	0.00001	12.54081397	196.8648498	0.490834367	0.011999285	1171.02192	0.048318347	0.004908344	0.004908344	0.010213184	0.003848188	1.5018574	3.46885E-06	0.003364929	0.00430284	0.010192881	0.010
2051	0.00001	12.52458699	196.6101197	0.49019926	0.011983759	1169.506695	0.048255826	0.004901993	0.004901993	0.010199968	0.003843208	1.499914096	3.46437E-06	0.003360575	0.004297272	0.010179692	0.010
2052	0.00001	12.50836	196.3553896	0.489564152	0.011968233	1167.99147	0.048193306	0.004895642	0.004895642	0.010186753	0.003838229	1.497970792	3.45988E-06	0.003356221	0.004291705	0.010166503	0.010
2053	0.00001	12.49213302	196.1006596	0.488929045	0.011952706	1166.476245	0.048130785	0.00488929	0.00488929	0.010173538	0.00383325	1.496027488	3.45539E-06	0.003351867	0.004286137	0.010153314	0.010
2054	0.00001	12.47590603	195.8459295	0.488293938	0.01193718	1164.96102	0.048068264	0.004882939	0.004882939	0.010160323	0.00382827	1.494084184	3.4509E-06	0.003347513	0.00428057	0.010140125	0.010
2055	0.00001	12.45967905	195.5911994	0.487658831	0.011921654	1163.445795	0.048005743	0.004876588	0.004876588	0.010147108	0.003823291	1.49214088	3.44641E-06	0.003343159	0.004275002	0.010126936	0.010
2056	0.00001	12.44345207	195.3364693	0.487023724	0.011906127	1161.93057	0.047943223	0.004870237	0.004870237	0.010133893	0.003818312	1.490197575	3.44192E-06	0.003338805	0.004269434	0.010113747	0.010
2057	0.00001	12.42722508	195.0817392	0.486388616	0.011890601	1160.415346	0.047880702	0.004863886	0.004863886	0.010120677	0.003813333	1.488254271	3.43744E-06	0.003334451	0.004263867	0.010100558	0.010
2058	0.00001	12.4109981	194.8270091	0.485753509	0.011875075	1158.900121	0.047818181	0.004857535	0.004857535	0.010107462	0.003808353	1.486310967	3.43295E-06	0.003330097	0.004258299	0.010087369	0.010
2059	0.00001	12.39477112	194.572279	0.485118402	0.011859549	1157.384896	0.04775566	0.004851184	0.004851184	0.010094247	0.003803374	1.484367663	3.42846E-06	0.003325743	0.004252732	0.01007418	0.010
2060	0.00001	12.37854413	194.3175489	0.484483295	0.011844022	1155.869671	0.04769314	0.004844833	0.004844833	0.010081032	0.003798395	1.482424359	3.42397E-06	0.003321389	0.004247164	0.010060991	0.010
2061	0.00001	12.36231715	194.0628188	0.483848188	0.011828496	1154.354446	0.047630619	0.004838482	0.004838482	0.010067817	0.003793415	1.480481055	3.41948E-06	0.003317035	0.004241596	0.010047803	0.010
2062	0.00001	12.34609016	193.8080887	0.48321308	0.01181297	1152.839221	0.047568098	0.004832131	0.004832131	0.010054601	0.003788436	1.478537751	3.41499E-06	0.003312681	0.004236029	0.010034614	0.010
2063	0.00001	12.32986318	193.5533586	0.482577973	0.011797443	1151.323996	0.047505577	0.00482578	0.00482578	0.010041386	0.003783457	1.476594447	3.4105E-06	0.003308327	0.004230461	0.010021425	0.010
2064	0.00001	12.3136362	193.2986285	0.481942866	0.011781917	1149.808771	0.047443057	0.004819429	0.004819429	0.010028171	0.003778477	1.474651142	3.40602E-06	0.003303973	0.004224894	0.010008236	0.010
2065	0.00001	12.29740921	193.0438984	0.481307759	0.011766391	1148.293546	0.047380536	0.004813078	0.004813078	0.010014956	0.003773498	1.472707838	3.40153E-06	0.003299619	0.004219326	0.009995047	0.010
2066	0.00001	12.28118223	192.7891683	0.480672652	0.011750865	1146.778321	0.047318015	0.004806727	0.004806727	0.010001741	0.003768519	1.470764534	3.39704E-06	0.003295265	0.004213759	0.009981858	0.010
2067	0.00001	12.26495525	192.5344382	0.480037544	0.011735338	1145.263097	0.047255494	0.004800375	0.004800375	0.009988526	0.00376354	1.46882123	3.39255E-06	0.003290911	0.004208191	0.009968669	0.010
2068	0.00001	12.24872826	192.2797082	0.479402437	0.011719812	1143.747872	0.047192974	0.004794024	0.004794024	0.00997531	0.00375856	1.466877926	3.38806E-06	0.003286557	0.004202623	0.00995548	0.010
2069	0.00001	12.23250128	192.0249781	0.47876733	0.011704286	1142.232647	0.047130453	0.004787673	0.004787673	0.009962095	0.003753581	1.464934622	3.38357E-06	0.003282203	0.004197056	0.009942291	0.010
2070	0.00001	12.21627429	191.770248	0.478132223	0.011688759	1140.717422	0.047067932	0.004781322	0.004781322	0.00994888	0.003748602	1.462991318	3.37909E-06	0.003277849	0.004191488	0.009929102	0.010
2071	0.00001	12.20004731	191.5155179	0.477497116	0.011673233	1139.202197	0.047005411	0.004774971	0.004774971	0.009935665	0.003743622	1.461048014	3.3746E-06	0.003273495	0.004185921	0.009915913	0.010
2072	0.00001	12.18382033	191.2607878	0.476862008	0.011657707	1137.686972	0.046942891	0.00476862	0.00476862	0.00992245	0.003738643	1.459104709	3.37011E-06	0.003269141	0.004180353	0.009902724	0.010
2073	0.00001	12.16759334	191.0060577	0.476226901	0.011642181	1136.171747	0.04688037	0.004762269	0.004762269	0.009909234	0.003733664	1.457161405	3.36562E-06	0.003264787	0.004174785	0.009889536	0.010
2074	0.00001	12.15136636	190.7513276	0.475591794	0.011626654	1134.656522	0.046817849	0.004755918	0.004755918	0.009896019	0.003728684	1.455218101	3.36113E-06	0.003260433	0.004169218	0.009876347	0.010
2075	0.00001	12.13513938	190.4965975	0.474956687	0.011611128	1133.141297	0.046755328	0.004749567	0.004749567	0.009882804	0.003723705	1.453274797	3.35664E-06	0.003256079	0.00416365	0.009863158	0.010
2076	0.00001	12.11891239	190.2418674	0.47432158	0.011595602	1131.626072	0.046692808	0.004743216	0.004743216	0.009869589	0.003718726	1.451331493	3.35215E-06	0.003251725	0.004158083	0.009849969	0.010
2077	0.00001	12.10268541	189.9871373	0.473686472	0.011580076	1130.110848	0.046630287	0.004736865	0.004736865	0.009856374	0.003713747	1.449388189	3.34767E-06	0.003247371	0.004152515	0.00983678	0.010
2078	0.00001	12.08645843	189.7324072	0.473051365	0.011564549	1128.595623	0.046567766	0.004730514	0.004730514	0.009843159	0.003708767	1.447444885	3.34318E-06	0.003243017	0.004146947	0.009823591	0.010
2079	0.00001	12.07023144	189.4776771	0.472416258	0.011549023	1127.080398	0.046505245	0.004724163	0.004724163	0.009829943	0.003703788	1.445501581	3.33869E-06	0.003238663	0.00414138	0.009810402	0.010
2080	0.00001	12.05400446	189.222947	0.471781151	0.011533497	1125.565173	0.046442725	0.004717812	0.004717812	0.009816728	0.003698809	1.443558276	3.3342E-06	0.003234309	0.004135812	0.009797213	0.010
2081	0.00001	12.03777747	188.9682169	0.471146044	0.01151797	1124.049948	0.046380204	0.00471146	0.00471146	0.009803513	0.003693829	1.441614972	3.32971E-06	0.003229955	0.004130245	0.009784024	0.010
2082	0.00001	12.02155049	188.7134869	0.470510936	0.011502444	1122.534723	0.046317683	0.004705109	0.004705109	0.009790298	0.00368885	1.439671668	3.32522E-06	0.003225601	0.004124677	0.009770835	0.010
2083	0.00001	12.00532351	188.4587568	0.469875829	0.011486918	1121.019498	0.046255162	0.004698758	0.004698758	0.009777083	0.003683871	1.437728364	3.32074E-06	0.003221247	0.00411911	0.009757646	0.010
2084	0.00001	11.98909652	188.2040267	0.469240722	0.011471392	1119.504273	0.046192642	0.004692407	0.004692407	0.009763867	0.003678891	1.43578506	3.31625E-06	0.003216893	0.004113542	0.009744458	0.010
2085	0.00001	11.97286954	187.9492966	0.468605615	0.011455865	1117.989048	0.046130121	0.004686056	0.004686056	0.009750652	0.003673912	1.433841756	3.31176E-06	0.003212539	0.004107974	0.009731269	0.010
2086	0.00001	11.95664256	187.6945665	0.467970508	0.011440339	1116.473823	0.0460676	0.004679705	0.004679705	0.009737437	0.003668933	1.431898452	3.30727E-06	0.003208185	0.004102407	0.00971808	0.010
2087	0.00001	11.94041557	187.4398364	0.4673354	0.011424813	1114.958599	0.04600508	0.004673354	0.004673354	0.009724222	0.003663954	1.429955148	3.30278E-06	0.003203831	0.004096839	0.009704891	0.010

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2088	0.00001	11.92418859	187.1851063	0.466700293	0.011409286	1113.443374	0.045942559	0.004667003	0.004667003	0.009711007	0.003658974	1.428011843	3.29829E-06	0.003199477	0.004091272	0.009691702	0.010
2089	0.00001	11.9079616	186.9303762	0.466065186	0.01139376	1111.928149	0.045880038	0.004660652	0.004660652	0.009697791	0.003653995	1.426068539	3.2938E-06	0.003195123	0.004085704	0.009678513	0.010
2090	0.00001	11.89173462	186.6756461	0.465430079	0.011378234	1110.412924	0.045817517	0.004654301	0.004654301	0.009684576	0.003649016	1.424125235	3.28932E-06	0.003190769	0.004080136	0.009665324	0.010
2091	0.00001	11.87550764	186.420916	0.464794972	0.011362708	1108.897699	0.045754997	0.00464795	0.00464795	0.009671361	0.003644036	1.422181931	3.28483E-06	0.003186415	0.004074569	0.009652135	0.010
2092	0.00001	11.85928065	186.1661859	0.464159864	0.011347181	1107.382474	0.045692476	0.004641599	0.004641599	0.009658146	0.003639057	1.420238627	3.28034E-06	0.003182061	0.004069001	0.009638946	0.010
2093	0.00001	11.84305367	185.9114558	0.463524757	0.011331655	1105.867249	0.045629955	0.004635248	0.004635248	0.009644931	0.003634078	1.418295323	3.27585E-06	0.003177707	0.004063434	0.009625757	0.010
2094	0.00001	11.82682669	185.6567257	0.46288965	0.011316129	1104.352024	0.045567434	0.004628897	0.004628897	0.009631716	0.003629098	1.416352019	3.27136E-06	0.003173353	0.004057866	0.009612568	0.010
2095	0.00001	11.8105997	185.4019956	0.462254543	0.011300602	1102.836799	0.045504914	0.004622545	0.004622545	0.0096185	0.003624119	1.414408714	3.26687E-06	0.003168999	0.004052298	0.009599379	0.010
2096	0.00001	11.79437272	185.1472655	0.461619436	0.011285076	1101.321574	0.045442393	0.004616194	0.004616194	0.009605285	0.00361914	1.41246541	3.26239E-06	0.003164645	0.004046731	0.009586191	0.010
2097	0.00001	11.77814573	184.8925355	0.460984328	0.01126955	1099.80635	0.045379872	0.004609843	0.004609843	0.00959207	0.003614161	1.410522106	3.2579E-06	0.003160291	0.004041163	0.009573002	0.010
2098	0.00001	11.76191875	184.6378054	0.460349221	0.011254024	1098.291125	0.045317351	0.004603492	0.004603492	0.009578855	0.003609181	1.408578802	3.25341E-06	0.003155937	0.004035596	0.009559813	0.010
2099	0.00001	11.74569177	184.3830753	0.459714114	0.011238497	1096.7759	0.045254831	0.004597141	0.004597141	0.00956564	0.003604202	1.406635498	3.24892E-06	0.003151583	0.004030028	0.009546624	0.010
2100	0.00001	11.72946478	184.1283452	0.459079007	0.011222971	1095.260675	0.04519231	0.00459079	0.00459079	0.009552424	0.003599223	1.404692194	3.24443E-06	0.003147229	0.00402446	0.009533435	0.010
2101	0.00001	11.7132378	183.8736151	0.4584439	0.011207445	1093.74545	0.045129789	0.004584439	0.004584439	0.009539209	0.003594243	1.40274889	3.23994E-06	0.003142875	0.004018893	0.009520246	0.010
2102	0.00001	11.69701082	183.618885	0.457808792	0.011191918	1092.230225	0.045067268	0.004578088	0.004578088	0.009525994	0.003589264	1.400805586	3.23545E-06	0.003138521	0.004013325	0.009507057	0.010
2103	0.00001	11.68078383	183.3641549	0.457173685	0.011176392	1090.715	0.045004748	0.004571737	0.004571737	0.009512779	0.003584285	1.398862281	3.23097E-06	0.003134167	0.004007758	0.009493868	0.010
2104	0.00001	11.66455685	183.1094248	0.456538578	0.011160866	1089.199775	0.044942227	0.004565386	0.004565386	0.009499564	0.003579305	1.396918977	3.22648E-06	0.003129813	0.00400219	0.009480679	0.010
2105	0.00001	11.64832987	182.8546947	0.455903471	0.01114534	1087.68455	0.044879706	0.004559035	0.004559035	0.009486349	0.003574326	1.394975673	3.22199E-06	0.003125459	0.003996623	0.00946749	0.010
2106	0.00001	11.63210288	182.5999646	0.455268364	0.011129813	1086.169325	0.044817185	0.004552684	0.004552684	0.009473133	0.003569347	1.393032369	3.2175E-06	0.003121105	0.003991055	0.009454301	0.010
2107	0.00001	11.6158759	182.3452345	0.454633256	0.011114287	1084.6541	0.044754665	0.004546333	0.004546333	0.009459918	0.003564368	1.391089065	3.21301E-06	0.003116751	0.003985487	0.009441113	0.010
2108	0.00001	11.59964891	182.0905044	0.453998149	0.011098761	1083.138876	0.044692144	0.004539981	0.004539981	0.009446703	0.003559388	1.389145761	3.20852E-06	0.003112397	0.00397992	0.009427924	0.010
2109	0.00001	11.58342193	181.8357743	0.453363042	0.011083235	1081.623651	0.044629623	0.00453363	0.00453363	0.009433488	0.003554409	1.387202457	3.20404E-06	0.003108043	0.003974352	0.009414735	0.010
2110	0.00001	11.56719495	181.5810442	0.452727935	0.011067708	1080.108426	0.044567102	0.004527279	0.004527279	0.009420273	0.00354943	1.385259153	3.19955E-06	0.003103689	0.003968785	0.009401546	0.010
2111	0.00001	11.55096796	181.3263142	0.452092828	0.011052182	1078.593201	0.044504582	0.004520928	0.004520928	0.009407057	0.00354445	1.383315848	3.19506E-06	0.003099335	0.003963217	0.009388357	0.010
2112	0.00001	11.53474098	181.0715841	0.45145772	0.011036656	1077.077976	0.044442061	0.004514577	0.004514577	0.009393842	0.003539471	1.381372544	3.19057E-06	0.003094981	0.003957649	0.009375168	0.010
2113	0.00001	11.518514	180.816854	0.450822613	0.011021129	1075.562751	0.04437954	0.004508226	0.004508226	0.009380627	0.003534492	1.37942924	3.18608E-06	0.003090627	0.003952082	0.009361979	0.010
2114	0.00001	11.50228701	180.5621239	0.450187506	0.011005603	1074.047526	0.044317019	0.004501875	0.004501875	0.009367412	0.003529512	1.377485936	3.18159E-06	0.003086273	0.003946514	0.00934879	0.010
2115	0.00001	11.48606003	180.3073938	0.449552399	0.010990077	1072.532301	0.044254499	0.004495524	0.004495524	0.009354197	0.003524533	1.375542632	3.1771E-06	0.003081919	0.003940947	0.009335601	0.010
2116	0.00001	11.46983304	180.0526637	0.448917292	0.010974551	1071.017076	0.044191978	0.004489173	0.004489173	0.009340982	0.003519554	1.373599328	3.17262E-06	0.003077565	0.003935379	0.009322412	0.010
2117	0.00001	11.45360606	179.7979336	0.448282184	0.010959024	1069.501851	0.044129457	0.004482822	0.004482822	0.009327766	0.003514575	1.371656024	3.16813E-06	0.003073211	0.003929811	0.009309223	0.010
2118	0.00001	11.43737908	179.5432035	0.447647077	0.010943498	1067.986627	0.044066936	0.004476471	0.004476471	0.009314551	0.003509595	1.36971272	3.16364E-06	0.003068857	0.003924244	0.009296034	0.010
2119	0.00001	11.42115209	179.2884734	0.44701197	0.010927972	1066.471402	0.044004416	0.00447012	0.00447012	0.009301336	0.003504616	1.367769415	3.15915E-06	0.003064503	0.003918676	0.009282846	0.010
2120	0.00001	11.40492511	179.0337433	0.446376863	0.010912445	1064.956177	0.043941895	0.004463769	0.004463769	0.009288121	0.003499637	1.365826111	3.15466E-06	0.003060149	0.003913109	0.009269657	0.010
WRSF7																	
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0.00001	146.461778	116.2009876	0.531752061	0.0357	1773.283582	0.062	0.058058925	0.058058925	0.00387	0.00367	0.740156691	4.01985E-06	0.0519	0.00153	0.005	0.01
2030	0.00001	15.18938397	47.92576715	0.493566487	0.010464216	731.3705144	0.064116371	0.004935665	0.004935665	0.009821973	0.003520515	1.51541686	4.01985E-06	0.003062739	0.005503554	0.00818288	0.01
2031	0.00001	14.74750884	68.94054906	0.49425178	0.010694821	1052.066306	0.06241305	0.004942518	0.004942518	0.00983561	0.003574377	1.477241585	3.91432E-06	0.003094706	0.005346107	0.008504919	0.01
2032	0.00001	14.16570148	92.93593671	0.492687438	0.010910727	1418.247592	0.06014378	0.004926874	0.004926874	0.00980448	0.003619672	1.426008025	3.77351E-06	0.003116946	0.005138365	0.008837104	0.01
2033	0.00001	13.27367788	131.6962415	0.491611986	0.011288806	2009.748692	0.056678786	0.00491612	0.00491612	0.009783079	0.003702862	1.347976762	3.55861E-06	0.003161691	0.004820089	0.009395665	0.01
2034	0.00001	13.15899615	136.3821679	0.491274181	0.011330317	2081.258209	0.056231166	0.004912742	0.004912742	0.009776356	0.003711484	1.337866396	3.53083E-06	0.003165838	0.004779135	0.009460047	0.01
2035	0.00001	12.272201	187.6701003	0.498767626	0.012010703	2863.936999	0.052878628	0.004987676	0.004987676	0.009925476	0.003883137	1.263656253	3.32369E-06	0.003279228	0.004464237	0.010334126	0.01
2036	0.00001	13.44671135	127.4130399	0.493992643	0.011292714	1944.384954	0.057374295	0.004939926	0.004939926	0.009830454	0.003709289	1.363966426	3.60194E-06	0.003170491	0.004882211	0.009368183	0.01
2037	0.00001	13.44671135	127.4130399	0.493992643	0.011292714	1699.531334	0.057374295	0.004939926	0.004939926	0.009830454	0.003709289	1.363966426	3.60194E-06	0.003170491	0.004882211	0.009368183	0.01
2038	0.00001	13.44671135	127.4130399	0.493992643	0.011292714	1485.511781	0.057374295	0.004939926	0.004939926	0.009830454	0.003709289	1.363966426	3.60194E-06	0.003170491	0.004882211	0.009368183	0.01
2039	0.00001	13.44671135	127.4130399	0.493992643	0.011292714	1298.443405	0.057374295	0.004939926	0.004939926	0.009830454	0.003709289	1.363966426	3.60194E-06	0.003170491	0.004882211	0.009368183	0.01
2040	0.00001	13.44671135	127.4130399	0.493992643	0.011292714	1134.932282	0.057374295	0.004939926	0.004939926	0.009830454	0.003709289	1.363966426	3.60194E-06	0.003170491	0.004882211	0.009368183	0.01
2041	0.00001	13.44671135	127.4130399	0.493992643	0.011292714	992.0118808	0.057374295	0.004939926	0.004939926	0.009830454	0.003709289	1.363966426	3.60194E-06	0.003170491	0.004882211	0.009368183	0.01
2042	0.00001	13.44671135	127.4130399	0.493992643	0.011292714	867.0892418	0.057374295	0.004939926	0.004939926	0.009830454	0.003709289	1.363966426	3.60194E-06	0.003170491	0.004882211	0.009368183	0.01
2043	0.00001	13.44671135	127.4130399	0.493992643	0.011292714	757.8979323	0.057374295	0.004939926	0.004939926	0.009830454	0.003709289	1.363966426	3.60194E-06	0.003170491	0.004882211	0.009368183	0.01
2044	0.00001	13.42946838	127.2496557	0.493359186	0.011278233	756.9260652	0.057300723	0.004933592	0.004933592	0.009817848	0.003704532	1.362217386	3.59732E-06	0.003166425	0.00487595	0.00935617	0.010
2045	0.00001	13.4122254	127.0862715	0.49272573	0.011263753	755.9541981	0.05722715	0.004927257	0.004927257	0.009805242	0.003699776	1.360468346	3.5927E-06	0.00316236	0.00486969	0.009344157	0.010
2046	0.00001	13.39498242	126.9228874	0.492092274	0.011249272	754.9823311	0.057153578	0.004920923	0.004920923	0.009792636	0.003695019	1.358719305	3.58808E-06	0.003158294	0.004863429	0.009332144	0.010
2047	0.00001	13.37773945	126.7595032	0.491458818	0.011234791	754.010464	0.057080006	0.004914588	0.004914588	0.00978003	0.003690263	1.356970265	3.58347E-06	0.003154229	0.004857169	0.009320131	0.010
2048	0.00001	13.36049647	126.596119	0.490825361	0.01122031	753.0385969	0.057006434	0.004908254	0.004908254	0.009767425	0.003685506	1.355221225	3.57885E-06	0.003150163	0.004850908	0.009308118	0.010
2049	0.00001	13.3432535	126.4327348	0.490191905	0.011205829	752.0667299	0.056932862	0.004901919	0.004901919	0.009754819	0.00368075	1.353472184	3.57423E-06	0.003146098	0.004844648	0.009296105	0.010
2050	0.00001	13.32601052	126.2693506	0.489558449	0.011191348	751.0948628	0.05685929	0.004895584	0.004895584	0.009742213	0.003675993	1.351723144	3.56961E-06	0.003142032	0.004838387	0.009284092	0.010
2051	0.00001	13.30876754	126.1059664	0.488924993	0.011176867	750.1229957	0.056785717	0.00488925	0.00488925	0.009729607	0.003671237	1.349974104	3.56499E-06	0.003137966	0.004832127	0.009272079	0.010
2052	0.00001	13.29152457	125.9425822	0.488291536	0.011162387	749.1511286	0.056712145	0.004882915	0.004882915	0.009717002	0.00366648	1.348225063	3.56037E-06	0.003133901	0.004825866	0.009260066	0.010
2053	0.00001	13.27428159	125.779198	0.48765808	0.011147906	748.1792616	0.056638573	0.004876581	0.004876581	0.009704396	0.003661724	1.346476023	3.55575E-06	0.003129835	0.004819605	0.009248053	0.010
2054	0.00001	13.25703862	125.6158139	0.487024624	0.011133425	747.2073945	0.056565001	0.004870246	0.004870246	0.00969179	0.003656967	1.344726983	3.55113E-06	0.00312577	0.004813345	0.00923604	0.010
2055	0.00001	13.23979564	125.4524297	0.486391168	0.011118944	746.2355274	0.056491429	0.004863912	0.004863912	0.009679184	0.003652211	1.342977942	3.54652E-06	0.003121704	0.004807084	0.009224027	0.010
2056	0.00001	13.22255266	125.2890455	0.485757711	0.011104463	745.2636604	0.056417857	0.004857577	0.004857577	0.009666578	0.003647454	1.341228902	3.5419E-06	0.003117639	0.004800824	0.009212014	0.010
2057	0.00001	13.20530969	125.1256613	0.485124255	0.011089982	744.2917933	0.056344284	0.004851243	0.004851243	0.009653973	0.003642698	1.339479862	3.53728E-06	0.003113573	0.004794563	0.009200001	0.010
2058	0.00001	13.18806671	124.9622771	0.484490799	0.011075501	743.3199262	0.056270712	0.004844908	0.004844908	0.009641367	0.003637941	1.337730821	3.53266E-06	0.003109507	0.004788303	0.009187988	0.010
2059	0.00001	13.17082373	124.7988929	0.483857343	0.011061021	742.3480592	0.05619714	0.004838573	0.004838573	0.009628761	0.003633185	1.335981781	3.52804E-06	0.003105442	0.004782042	0.009175975	0.010
2060	0.00001	13.15358076	124.6355087	0.483223886	0.01104654	741.3761921	0.056123568	0.004832239	0.004832239	0.009616155	0.003628428	1.334232741	3.52342E-06	0.003101376	0.004775782	0.009163962	0.010

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2061	0.00001	13.13633778	124.4721246	0.48259043	0.011032059	740.404325	0.056049996	0.004825904	0.004825904	0.00960355	0.003623672	1.3324837	3.5188E-06	0.003097311	0.004769521	0.009151949	0.010
2062	0.00001	13.11909481	124.3087404	0.481956974	0.011017578	739.432458	0.055976424	0.00481957	0.00481957	0.009590944	0.003618915	1.33073466	3.51418E-06	0.003093245	0.00476326	0.009139936	0.010
2063	0.00001	13.10185183	124.1453562	0.481323518	0.011003097	738.4605909	0.055902851	0.004813235	0.004813235	0.009578338	0.003614159	1.32898562	3.50956E-06	0.003089179	0.004757	0.009127923	0.010
2064	0.00001	13.08460885	123.981972	0.480690061	0.010988616	737.4887238	0.055829279	0.004806901	0.004806901	0.009565732	0.003609402	1.32723658	3.50495E-06	0.003085114	0.004750739	0.00911591	0.010
2065	0.00001	13.06736588	123.8185878	0.480056605	0.010974135	736.5168568	0.055755707	0.004800566	0.004800566	0.009553126	0.003604646	1.325487539	3.50033E-06	0.003081048	0.004744479	0.009103897	0.010
2066	0.00001	13.0501229	123.6552036	0.479423149	0.010959654	735.5449897	0.055682135	0.004794231	0.004794231	0.009540521	0.00359989	1.323738499	3.49571E-06	0.003076983	0.004738218	0.009091884	0.010
2067	0.00001	13.03287993	123.4918194	0.478789693	0.010945174	734.5731226	0.055608563	0.004787897	0.004787897	0.009527915	0.003595133	1.321989459	3.49109E-06	0.003072917	0.004731958	0.009079871	0.010
2068	0.00001	13.01563695	123.3284352	0.478156236	0.010930693	733.6012556	0.055534991	0.004781562	0.004781562	0.009515309	0.003590377	1.320240418	3.48647E-06	0.003068852	0.004725697	0.009067858	0.010
2069	0.00001	12.99839397	123.1650511	0.47752278	0.010916212	732.6293885	0.055461419	0.004775228	0.004775228	0.009502703	0.00358562	1.318491378	3.48185E-06	0.003064786	0.004719437	0.009055845	0.010
2070	0.00001	12.981151	123.0016669	0.476889324	0.010901731	731.6575214	0.055387846	0.004768893	0.004768893	0.009490098	0.003580864	1.316742338	3.47723E-06	0.00306072	0.004713176	0.009043832	0.010
2071	0.00001	12.96390802	122.8382827	0.476255868	0.01088725	730.6856544	0.055314274	0.004762559	0.004762559	0.009477492	0.003576107	1.314993297	3.47261E-06	0.003056655	0.004706916	0.009031819	0.010
2072	0.00001	12.94666505	122.6748985	0.475622411	0.010872769	729.7137873	0.055240702	0.004756224	0.004756224	0.009464886	0.003571351	1.313244257	3.46799E-06	0.003052589	0.004700655	0.009019806	0.010
2073	0.00001	12.92942207	122.5115143	0.474988955	0.010858288	728.7419202	0.05516713	0.00474989	0.00474989	0.00945228	0.003566594	1.311495217	3.46338E-06	0.003048524	0.004694394	0.009007793	0.010
2074	0.00001	12.91217909	122.3481301	0.474355499	0.010843808	727.7700532	0.055093558	0.004743555	0.004743555	0.009439674	0.003561838	1.309746176	3.45876E-06	0.003044458	0.004688134	0.00899578	0.010
2075	0.00001	12.89493612	122.1847459	0.473722043	0.010829327	726.7981861	0.055019986	0.00473722	0.00473722	0.009427069	0.003557081	1.307997136	3.45414E-06	0.003040392	0.004681873	0.008983767	0.010
2076	0.00001	12.87769314	122.0213617	0.473088586	0.010814846	725.826319	0.054946413	0.004730886	0.004730886	0.009414463	0.003552325	1.306248096	3.44952E-06	0.003036327	0.004675613	0.008971754	0.010
2077	0.00001	12.86045016	121.8579776	0.47245513	0.010800365	724.854452	0.054872841	0.004724551	0.004724551	0.009401857	0.003547568	1.304499055	3.4449E-06	0.003032261	0.004669352	0.008959741	0.010
2078	0.00001	12.84320719	121.6945934	0.471821674	0.010785884	723.8825849	0.054799269	0.004718217	0.004718217	0.009389251	0.003542812	1.302750015	3.44028E-06	0.003028196	0.004663092	0.008947728	0.010
2079	0.00001	12.82596421	121.5312092	0.471188218	0.010771403	722.9107178	0.054725697	0.004711882	0.004711882	0.009376646	0.003538055	1.301000975	3.43566E-06	0.00302413	0.004656831	0.008935715	0.010
2080	0.00001	12.80872124	121.367825	0.470554761	0.010756922	721.9388508	0.054652125	0.004705548	0.004705548	0.00936404	0.003533299	1.299251934	3.43104E-06	0.003020065	0.004650571	0.008923702	0.010
2081	0.00001	12.79147826	121.2044408	0.469921305	0.010742441	720.9669837	0.054578553	0.004699213	0.004699213	0.009351434	0.003528542	1.297502894	3.42643E-06	0.003015999	0.00464431	0.008911689	0.010
2082	0.00001	12.77423528	121.0410566	0.469287849	0.010727961	719.9951166	0.05450498	0.004692878	0.004692878	0.009338828	0.003523786	1.295753854	3.42181E-06	0.003011933	0.004638049	0.008899676	0.010
2083	0.00001	12.75699231	120.8776724	0.468654393	0.01071348	719.0232496	0.054431408	0.004686544	0.004686544	0.009326222	0.003519029	1.294004813	3.41719E-06	0.003007868	0.004631789	0.008887663	0.010
2084	0.00001	12.73974933	120.7142883	0.468020936	0.010698999	718.0513825	0.054357836	0.004680209	0.004680209	0.009313617	0.003514273	1.292255773	3.41257E-06	0.003003802	0.004625528	0.00887565	0.010
2085	0.00001	12.72250636	120.5509041	0.46738748	0.010684518	717.0795154	0.054284264	0.004673875	0.004673875	0.009301011	0.003509516	1.290506733	3.40795E-06	0.002999737	0.004619268	0.008863637	0.010
2086	0.00001	12.70526338	120.3875199	0.466754024	0.010670037	716.1076483	0.054210692	0.00466754	0.00466754	0.009288405	0.00350476	1.288757692	3.40333E-06	0.002995671	0.004613007	0.008851624	0.010
2087	0.00001	12.6880204	120.2241357	0.466120568	0.010655556	715.1357813	0.05413712	0.004661206	0.004661206	0.009275799	0.003500003	1.287008652	3.39871E-06	0.002991605	0.004606747	0.008839611	0.010
2088	0.00001	12.67077743	120.0607515	0.465487111	0.010641075	714.1639142	0.054063548	0.004654871	0.004654871	0.009263194	0.003495247	1.285259612	3.39409E-06	0.00298754	0.004600486	0.008827598	0.010
2089	0.00001	12.65353445	119.8973673	0.464853655	0.010626595	713.1920471	0.053989975	0.004648537	0.004648537	0.009250588	0.00349049	1.283510571	3.38947E-06	0.002983474	0.004594226	0.008815585	0.010
2090	0.00001	12.63629148	119.7339831	0.464220199	0.010612114	712.2201801	0.053916403	0.004642202	0.004642202	0.009237982	0.003485734	1.281761531	3.38486E-06	0.002979409	0.004587965	0.008803572	0.010
2091	0.00001	12.6190485	119.5705989	0.463586743	0.010597633	711.248313	0.053842831	0.004635867	0.004635867	0.009225376	0.003480977	1.280012491	3.38024E-06	0.002975343	0.004581704	0.008791559	0.010
2092	0.00001	12.60180552	119.4072148	0.462953286	0.010583152	710.2764459	0.053769259	0.004629533	0.004629533	0.00921277	0.003476221	1.27826345	3.37562E-06	0.002971278	0.004575444	0.008779546	0.010
2093	0.00001	12.58456255	119.2438306	0.46231983	0.010568671	709.3045789	0.053695687	0.004623198	0.004623198	0.009200165	0.003471464	1.27651441	3.371E-06	0.002967212	0.004569183	0.008767533	0.010
2094	0.00001	12.56731957	119.0804464	0.461686374	0.01055419	708.3327118	0.053622115	0.004616864	0.004616864	0.009187559	0.003466708	1.27476537	3.36638E-06	0.002963146	0.004562923	0.00875552	0.010
2095	0.00001	12.55007659	118.9170622	0.461052918	0.010539709	707.3608447	0.053548542	0.004610529	0.004610529	0.009174953	0.003461951	1.273016329	3.36176E-06	0.002959081	0.004556662	0.008743507	0.010
2096	0.00001	12.53283362	118.753678	0.460419461	0.010525229	706.3889777	0.05347497	0.004604195	0.004604195	0.009162347	0.003457195	1.271267289	3.35714E-06	0.002955015	0.004550402	0.008731494	0.010
2097	0.00001	12.51559064	118.5902938	0.459786005	0.010510748	705.4171106	0.053401398	0.00459786	0.00459786	0.009149742	0.003452438	1.269518249	3.35252E-06	0.00295095	0.004544141	0.008719481	0.010
2098	0.00001	12.49834767	118.4269096	0.459152549	0.010496267	704.4452435	0.053327826	0.004591525	0.004591525	0.009137136	0.003447682	1.267769208	3.34791E-06	0.002946884	0.004537881	0.008707468	0.010
2099	0.00001	12.48110469	118.2635254	0.458519093	0.010481786	703.4733765	0.053254254	0.004585191	0.004585191	0.00912453	0.003442925	1.266020168	3.34329E-06	0.002942819	0.00453162	0.008695455	0.010
2100	0.00001	12.46386171	118.1001413	0.457885636	0.010467305	702.5015094	0.053180682	0.004578856	0.004578856	0.009111924	0.003438169	1.264271128	3.33867E-06	0.002938753	0.004525359	0.008683442	0.010
2101	0.00001	12.44661874	117.9367571	0.45725218	0.010452824	701.5296423	0.053107109	0.004572522	0.004572522	0.009099318	0.003433412	1.262522087	3.33405E-06	0.002934687	0.004519099	0.008671429	0.010
2102	0.00001	12.42937576	117.7733729	0.456618724	0.010438343	700.5577753	0.053033537	0.004566187	0.004566187	0.009086713	0.003428656	1.260773047	3.32943E-06	0.002930622	0.004512838	0.008659416	0.010
2103	0.00001	12.41213279	117.6099887	0.455985268	0.010423862	699.5859082	0.052959965	0.004559853	0.004559853	0.009074107	0.003423899	1.259024007	3.32481E-06	0.002926556	0.004506578	0.008647403	0.010
2104	0.00001	12.39488981	117.4466045	0.455351811	0.010409382	698.6140411	0.052886393	0.004553518	0.004553518	0.009061501	0.003419143	1.257274966	3.32019E-06	0.002922491	0.004500317	0.00863539	0.010
2105	0.00001	12.37764683	117.2832203	0.454718355	0.010394901	697.6421741	0.052812821	0.004547184	0.004547184	0.009048895	0.003414386	1.255525926	3.31557E-06	0.002918425	0.004494057	0.008623377	0.010
2106	0.00001	12.36040386	117.1198361	0.454084899	0.01038042	696.670307	0.052739249	0.004540849	0.004540849	0.009036289	0.00340963	1.253776886	3.31095E-06	0.002914359	0.004487796	0.008611364	0.010
2107	0.00001	12.34316088	116.9564519	0.453451443	0.010365939	695.6984399	0.052665676	0.004534514	0.004534514	0.009023684	0.003404873	1.252027845	3.30634E-06	0.002910294	0.004481536	0.008599351	0.010
2108	0.00001	12.32591791	116.7930678	0.452817986	0.010351458	694.7265729	0.052592104	0.00452818	0.00452818	0.009011078	0.003400117	1.250278805	3.30172E-06	0.002906228	0.004475275	0.008587338	0.010
2109	0.00001	12.30867493	116.6296836	0.45218453	0.010336977	693.7547058	0.052518532	0.004521845	0.004521845	0.008998472	0.00339536	1.248529765	3.2971E-06	0.002902163	0.004469015	0.008575325	0.010
2110	0.00001	12.29143195	116.4662994	0.451551074	0.010322496	692.7828387	0.05244496	0.004515511	0.004515511	0.008985866	0.003390604	1.246780724	3.29248E-06	0.002898097	0.004462754	0.008563312	0.010
2111	0.00001	12.27418898	116.3029152	0.450917618	0.010308016	691.8109717	0.052371388	0.004509176	0.004509176	0.008973261	0.003385847	1.245031684	3.28786E-06	0.002894032	0.004456493	0.008551299	0.010
2112	0.00001	12.256946	116.139531	0.450284161	0.010293535	690.8391046	0.052297816	0.004502842	0.004502842	0.008960655	0.003381091	1.243282644	3.28324E-06	0.002889966	0.004450233	0.008539286	0.010
2113	0.00001	12.23970303	115.9761468	0.449650705	0.010279054	689.8672375	0.052224244	0.004496507	0.004496507	0.008948049	0.003376334	1.241533603	3.27862E-06	0.0028859	0.004443972	0.008527273	0.010
2114	0.00001	12.22246005	115.8127626	0.449017249	0.010264573	688.8953705	0.052150671	0.004490172	0.004490172	0.008935443	0.003371578	1.239784563	3.274E-06	0.002881835	0.004437712	0.00851526	0.010
2115	0.00001	12.20521707	115.6493785	0.448383793	0.010250092	687.9235034	0.052077099	0.004483838	0.004483838	0.008922837	0.003366821	1.238035523	3.26938E-06	0.002877769	0.004431451	0.008503247	0.010
2116	0.00001	12.1879741	115.4859943	0.447750336	0.010235611	686.9516363	0.052003527	0.004477503	0.004477503	0.008910232	0.003362065	1.236286482	3.26477E-06	0.002873704	0.004425191	0.008491234	0.010
2117	0.00001	12.17073112	115.3226101	0.44711688	0.01022113	685.9797693	0.051929955	0.004471169	0.004471169	0.008897626	0.003357308	1.234537442	3.26015E-06	0.002869638	0.00441893	0.008479221	0.010
2118	0.00001	12.15348814	115.1592259	0.446483424	0.01020665	685.0079022	0.051856383	0.004464834	0.004464834	0.00888502	0.003352552	1.232788402	3.25553E-06	0.002865572	0.00441267	0.008467208	0.010
2119	0.00001	12.13624517	114.9958417	0.445849968	0.010192169	684.0360351	0.051782811	0.0044585	0.0044585	0.008872414	0.003347795	1.231039361	3.25091E-06	0.002861507	0.004406409	0.008455195	0.010
2120	0.00001	12.11900219	114.8324575	0.445216511	0.010177688	683.064168	0.051709238	0.004452165	0.004452165	0.008859809	0.003343039	1.229290321	3.24629E-06	0.002857441	0.004400148	0.008443182	0.010
WRSF8																	
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0.0001	72.59308582	54.84613572	0.5	0.024628412	836.9787043	0.03097051	0.005	0.000155929	0.00995	0.00353	4.062431002	1.13437E-05	0.022021809	0.002601636	0.00649345	0.01
2032	0.0001	77.82002128	55.41505735	0.5	0.025141718	1090	0.03278556	0.005	0.000152946	0.00995	0.00353	3.956791267	1.20989E-05	0.0238435	0.002243384	0.005704218	0.01
2033	0.0001	77.14804623	56.3018959	0.5	0.025120833	1090	0.032474632	0.005	0.000152214	0.00995	0.00353	3.952557559	1.20115E-05	0.02365784	0.002232747	0.005690977	0.01

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2034	0.0001	76.5537536	56.72691969	0.5	0.025085481	1090	0.032228687	0.005	0.000151984	0.00995	0.00353	3.955480849	1.19305E-05	0.023475476	0.002244559	0.005722197	0.01
2035	0.0001	77.08859121	55.76968178	0.5	0.025090292	1090	0.032496477	0.005	0.000152859	0.00995	0.00353	3.963515624	1.19976E-05	0.023610537	0.002267871	0.005762773	0.01
2036	0.0001	76.42603128	55.2305748	0.5	0.025003283	1090	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2037	0.0001	76.42603128	55.2305748	0.5	0.025003283	952.7378571	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2038	0.0001	76.42603128	55.2305748	0.5	0.025003283	832.7609398	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2039	0.0001	76.42603128	55.2305748	0.5	0.025003283	727.8925444	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2040	0.0001	76.42603128	55.2305748	0.5	0.025003283	636.2300761	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2041	0.0001	76.42603128	55.2305748	0.5	0.025003283	556.1105315	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2042	0.0001	76.42603128	55.2305748	0.5	0.025003283	486.0803267	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2043	0.0001	76.42603128	55.2305748	0.5	0.025003283	424.8689256	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2044	0.00001	76.15165237	55.03229019	0.498204938	0.024913518	423.3435935	0.032188169	0.004982049	0.000153228	0.009914278	0.003517327	3.97126385	1.18545E-05	0.02327216	0.002332458	0.005897366	0.01
2045	0.00001	75.87727346	54.83400559	0.496409876	0.024823754	421.8182615	0.032072193	0.004964099	0.000152676	0.009878557	0.003504654	3.956955151	1.18118E-05	0.023188309	0.002324054	0.005876118	0.01
2046	0.00001	75.60289454	54.63572099	0.494614814	0.024733989	420.2929295	0.031956217	0.004946148	0.000152123	0.009842835	0.003491981	3.942646453	1.17691E-05	0.023104458	0.00231565	0.005854869	0.01
2047	0.00001	75.32851563	54.43743639	0.492819752	0.024644224	418.7675974	0.031840241	0.004928198	0.000151571	0.009807113	0.003479307	3.928337754	1.17263E-05	0.023020607	0.002307246	0.005833621	0.01
2048	0.00001	75.05413672	54.23915179	0.491024691	0.024554459	417.2422654	0.031724266	0.004910247	0.000151019	0.009771391	0.003466634	3.914029055	1.16836E-05	0.022936756	0.002298842	0.005812372	0.01
2049	0.00001	74.7797578	54.04086719	0.489229629	0.024464694	415.7169333	0.03160829	0.004892296	0.000150467	0.00973567	0.003453961	3.899720356	1.16409E-05	0.022852905	0.002290438	0.005791124	0.01
2050	0.00001	74.50537889	53.84258259	0.487434567	0.024374929	414.1916013	0.031492314	0.004874346	0.000149915	0.009699948	0.003441288	3.885411657	1.15982E-05	0.022769054	0.002282034	0.005769875	0.01
2051	0.00001	74.23099998	53.64429799	0.485639505	0.024285164	412.6662693	0.031376338	0.004856395	0.000149363	0.009664226	0.003428615	3.871102958	1.15555E-05	0.022685203	0.00227363	0.005748627	0.01
2052	0.00001	73.95662106	53.44601339	0.483844443	0.024195399	411.1409372	0.031260362	0.004838444	0.000148811	0.009628504	0.003415942	3.85679426	1.15128E-05	0.022601352	0.002265226	0.005727378	0.01
2053	0.00001	73.68224215	53.24772879	0.482049381	0.024105635	409.6156052	0.031144386	0.004820494	0.000148259	0.009592783	0.003403269	3.842485561	1.14701E-05	0.022517501	0.002256822	0.005706129	0.01
2054	0.00001	73.40786324	53.04944419	0.480254319	0.02401587	408.0902732	0.03102841	0.004802543	0.000147707	0.009557061	0.003390595	3.828176862	1.14274E-05	0.02243365	0.002248418	0.005684881	0.01
2055	0.00001	73.13348432	52.85115959	0.478459257	0.023926105	406.5649411	0.030912434	0.004784593	0.000147155	0.009521339	0.003377922	3.813868163	1.13846E-05	0.022349799	0.002240014	0.005663632	0.01
2056	0.00001	72.85910541	52.65287499	0.476664195	0.02383634	405.0396091	0.030796458	0.004766642	0.000146603	0.009485617	0.003365249	3.799559464	1.13419E-05	0.022265948	0.00223161	0.005642384	0.01
2057	0.00001	72.5847265	52.45459039	0.474869133	0.023746575	403.514277	0.030680483	0.004748691	0.00014605	0.009449896	0.003352576	3.785250765	1.12992E-05	0.022182097	0.002223206	0.005621135	0.01
2058	0.00001	72.31034758	52.25630579	0.473074072	0.02365681	401.988945	0.030564507	0.004730741	0.000145498	0.009414174	0.003339903	3.770942067	1.12565E-05	0.022098246	0.002214802	0.005599887	0.01
2059	0.00001	72.03596867	52.05802119	0.47127901	0.023567045	400.463613	0.030448531	0.00471279	0.000144946	0.009378452	0.00332723	3.756633368	1.12138E-05	0.022014395	0.002206398	0.005578638	0.01
2060	0.00001	71.76158976	51.85973659	0.469483948	0.02347728	398.9382809	0.030332555	0.004694839	0.000144394	0.009342731	0.003314557	3.742324669	1.11711E-05	0.021930544	0.002197994	0.005557389	0.01
2061	0.00001	71.48721084	51.66145198	0.467688886	0.023387515	397.4129489	0.030216579	0.004676889	0.000143842	0.009307009	0.003301884	3.72801597	1.11284E-05	0.021846694	0.00218959	0.005536141	0.01
2062	0.00001	71.21283193	51.46316738	0.465893824	0.023297751	395.8876169	0.030100603	0.004658938	0.00014329	0.009271287	0.00328921	3.713707271	1.10857E-05	0.021762843	0.002181186	0.005514892	0.01
2063	0.00001	70.93845302	51.26488278	0.464098762	0.023207986	394.3622848	0.029984627	0.004640988	0.000142738	0.009235565	0.003276537	3.699398572	1.10429E-05	0.021678992	0.002172782	0.005493644	0.01
2064	0.00001	70.66407411	51.06659818	0.4623037	0.023118221	392.8369528	0.029868651	0.004623037	0.000142186	0.009199844	0.003263864	3.685089874	1.10002E-05	0.021595141	0.002164378	0.005472395	0.01
2065	0.00001	70.38969519	50.86831358	0.460508638	0.023028456	391.3116207	0.029752676	0.004605086	0.000141634	0.009164122	0.003251191	3.670781175	1.09575E-05	0.02151129	0.002155974	0.005451147	0.01
2066	0.00001	70.11531628	50.67002898	0.458713576	0.022938691	389.7862887	0.0296367	0.004587136	0.000141082	0.0091284	0.003238518	3.656472476	1.09148E-05	0.021427439	0.00214757	0.005429898	0.01
2067	0.00001	69.84093737	50.47174438	0.456918515	0.022848926	388.2609567	0.029520724	0.004569185	0.00014053	0.009092678	0.003225845	3.642163777	1.08721E-05	0.021343588	0.002139166	0.00540865	0.01
2068	0.00001	69.56655845	50.27345978	0.455123453	0.022759161	386.7356246	0.029404748	0.004551235	0.000139977	0.009056957	0.003213172	3.627855078	1.08294E-05	0.021259737	0.002130762	0.005387401	0.01
2069	0.00001	69.29217954	50.07517518	0.453328391	0.022669396	385.2102926	0.029288772	0.004533284	0.000139425	0.009021235	0.003200498	3.613546379	1.07867E-05	0.021175886	0.002122358	0.005366152	0.01
2070	0.00001	69.01780063	49.87689058	0.451533329	0.022579632	383.6849606	0.029172796	0.004515333	0.000138873	0.008985513	0.003187825	3.599237681	1.0744E-05	0.021092035	0.002113954	0.005344904	0.01
2071	0.00001	68.74342171	49.67860598	0.449738267	0.022489867	382.1596285	0.02905682	0.004497383	0.000138321	0.008949792	0.003175152	3.584928982	1.07012E-05	0.021008184	0.00210555	0.005323655	0.01
2072	0.00001	68.4690428	49.48032138	0.447943205	0.022400102	380.6342965	0.028940844	0.004479432	0.000137769	0.00891407	0.003162479	3.570620283	1.06585E-05	0.020924333	0.002097146	0.005302407	0.01
2073	0.00001	68.19466389	49.28203678	0.446148143	0.022310337	379.1089644	0.028824869	0.004461481	0.000137217	0.008878348	0.003149806	3.556311584	1.06158E-05	0.020840482	0.002088742	0.005281158	0.01
2074	0.00001	67.92028497	49.08375218	0.444353081	0.022220572	377.5836324	0.028708893	0.004443531	0.000136665	0.008842626	0.003137133	3.542002885	1.05731E-05	0.020756631	0.002080338	0.00525991	0.01
2075	0.00001	67.64590606	48.88546758	0.442558019	0.022130807	376.0583004	0.028592917	0.00442558	0.000136113	0.008806905	0.00312446	3.527694186	1.05304E-05	0.02067278	0.002071934	0.005238661	0.01
2076	0.00001	67.37152715	48.68718298	0.440762957	0.022041042	374.5329683	0.028476941	0.00440763	0.000135561	0.008771183	0.003111786	3.513385488	1.04877E-05	0.020588929	0.00206353	0.005217413	0.01
2077	0.00001	67.09714823	48.48889838	0.438967896	0.021951277	373.0076363	0.028360965	0.004389679	0.000135009	0.008735461	0.003099113	3.499076789	1.0445E-05	0.020505078	0.002055126	0.005196164	0.01
2078	0.00001	66.82276932	48.29061378	0.437172834	0.021861512	371.4823042	0.028244989	0.004371728	0.000134457	0.008699739	0.00308644	3.48476809	1.04023E-05	0.020421227	0.002046722	0.005174915	0.01
2079	0.00001	66.54839041	48.09232917	0.435377772	0.021771748	369.9569722	0.028129013	0.004353778	0.000133905	0.008664018	0.003073767	3.470459391	1.03595E-05	0.020337376	0.002038318	0.005153667	0.01
2080	0.00001	66.27401149	47.89404457	0.43358271	0.021681983	368.4316402	0.028013037	0.004335827	0.000133352	0.008628296	0.003061094	3.456150692	1.03168E-05	0.020253525	0.002029914	0.005132418	0.01
2081	0.00001	65.99963258	47.69575997	0.431787648	0.021592218	366.9063081	0.027897061	0.004317876	0.0001328	0.008592574	0.003048421	3.441841993	1.02741E-05	0.020169674	0.00202151	0.00511117	0.01
2082	0.00001	65.72525367	47.49747537	0.429992586	0.021502453	365.3809761	0.027781086	0.004299926	0.000132248	0.008556852	0.003035748	3.427533295	1.02314E-05	0.020085823	0.002013106	0.005089921	0.01
2083	0.00001	65.45087475	47.29919077	0.428197524	0.021412688	363.8556441	0.02766511	0.004281975	0.000131696	0.008521131	0.003023075	3.413224596	1.01887E-05	0.020001972	0.002004702	0.005068673	0.01
2084	0.00001	65.17649584	47.10090617	0.426402462	0.021322923	362.330312	0.027549134	0.004264025	0.000131144	0.008485409	0.003010401	3.398915897	1.0146E-05	0.019918121	0.001996298	0.005047424	0.01
2085	0.00001	64.90211693	46.90262157	0.4246074	0.021233158	360.80498	0.027433158	0.004246074	0.000130592	0.008449687	0.002997728	3.384607198	1.01033E-05	0.01983427	0.001987894	0.005026175	0.01
2086	0.00001	64.62773802	46.70433697	0.422812338	0.021143393	359.2796479	0.027317182	0.004228123	0.00013004	0.008413966	0.002985055	3.370298499	1.00606E-05	0.019750419	0.00197949	0.005004927	0.01
2087	0.00001	64.3533591	46.50605237	0.421017277	0.021053629	357.7543159	0.027201206	0.004210173	0.000129488	0.008378244	0.002972382	3.3559898	1.00178E-05	0.019666568	0.001971086	0.004983678	0.01
2088	0.00001	64.07898019	46.30776777	0.419222215	0.020963864	356.2289839	0.02708523	0.004192222	0.000128936	0.008342522	0.002959709	3.341681102	9.97514E-06	0.019582717	0.001962682	0.00496243	0.01
2089	0.00001	63.80460128	46.10948317	0.417427153	0.020874099	354.7036518	0.026969254	0.004174272	0.000128384	0.0083068	0.002947036	3.327372403	9.93242E-06	0.019498866	0.001954278	0.004941181	0.01
2090	0.00001	63.53022236	45.91119857	0.415632091	0.020784334	353.1783198	0.026853279	0.004156321	0.000127832	0.008271079	0.002934363	3.313063704	9.88971E-06	0.019415015	0.001945874	0.004919933	0.01
2091	0.00001	63.25584345	45.71291397	0.413837029	0.020694569	351.6529878	0.026737303	0.00413837	0.000127279	0.008235357	0.002921689	3.298755005	9.847E-06	0.019331164	0.00193747	0.004898684	0.01
2092	0.00001	62.98146454	45.51462937	0.412041967	0.020604804	350.1276557	0.026621327	0.00412042	0.000126727	0.008199635	0.002909016	3.284446306	9.80429E-06	0.019247313	0.001929066	0.004877436	0.01
2093	0.00001	62.70708562	45.31634477	0.410246905	0.020515039	348.6023237	0.026505351	0.004102469	0.000126175	0.008163913	0.002896343	3.270137607	9.76158E-06	0.019163462	0.001920663	0.004856187	0.01
2094	0.00001	62.43270671	45.11806017	0.408451843	0.020425274	347.0769916	0.026389375	0.004084518	0.000125623	0.008128192	0.00288367	3.255828909	9.71886E-06	0.019079611	0.001912259	0.004834938	0.01
2095	0.00001	62.1583278	44.91977557	0.406656781	0.020335509	345.5516596	0.026273399	0.004066568	0.000125071	0.00809247	0.002870997	3.24152021	9.67615E-06	0.018995761	0.001903855	0.00481369	0.01
2096	0.00001	61.88394888	44.72149096	0.40486172	0.020245745	344.0263276	0.026157423	0.004048617	0.000124519	0.008056748	0.002858324	3.227211511	9.63344E-06	0.01891191	0.001895451	0.004792441	0.01
2097	0.00001	61.60956997	44.52320636	0.403066658	0.02015598	342.5009955	0.026041447	0.004030667	0.000123967	0.008021026	0.002845651	3.212902812	9.59073E-06	0.018828059	0.001887047	0.004771193	0.01
2098	0.00001	61.33519106	44.32492176	0.401271596	0.020066215	340.9756635	0.025925472	0.004012716	0.000123415	0.007985305	0.002832977	3.198594113	9.54801E-06	0.018744208	0.001878643	0.004749944	0.01
2099	0.00001	61.06081214	44.12663716	0.399476534	0.01997645	339.4503315	0.025809496	0.003994765	0.000122863	0.007949583	0.002820304	3.184285415	9.5053E-06	0.018660357	0.001870239	0.004728696	0.01
2100	0.00001	60.78643323	43.92835256	0.397681472	0.019886685	337.9249994	0.02569352	0.003976815	0.000122311	0.007913861	0.002807631	3.169976716	9.46259E-06	0.018576506	0.001861835	0.004707447	0.01
2101	0.00001	60.51205432	43.73006796	0.39588641	0.01979692	336.3996674	0.025577544	0.003958864	0.000121759	0.00787814	0.002794958	3.155668017	9.41988E-06	0.018492655	0.001853431	0.004686198	0.01
2102	0.00001	60.2376754	43.53178336	0.394091348	0.019707155	334.8743353	0.025461568	0.003940913	0.000121207	0.007842418	0.002782285	3.141359318	9.37716E-06	0.018408804	0.001845027	0.00466495	0.01
2103	0.00001	59.96329649	43.33349876	0.392296286	0.01961739	333.3490033	0.025345592	0.003922963	0.000120654	0.007806696	0.002769612	3.127050619	9.33445E-06	0.018324953	0.001836623	0.004643701	0.01
2104	0.00001	59.68891758	43.13521416	0.390501224	0.019527626	331.8236713	0.025229616	0.003905012	0.000120102	0.007770974	0.002756939	3.11274192	9.29174E-06	0.018241102	0.001828219	0.004622453	0.01
2105	0.00001	59.41453866	42.93692956	0.388706162	0.019437861	330.2983392	0.02511364	0.003887062	0.00011955	0.007735253	0.002744266	3.098433222	9.24903E-06	0.018157251	0.001819815	0.004601204	0.01
2106	0.00001	59.14015975	42.73864496	0.386911101	0.019348096	328.7730072	0.024997665	0.003869111	0.000118998	0.007699531	0.002731592	3.084124523	9.20631E-06	0.0180734	0.001811411	0.004579956	0.01
2107	0.00001	58.86578084	42.54036036	0.385116039	0.019258331	327.2476751	0.024881689	0.00385116	0.000118446	0.007663809	0.002718919	3.069815824	9.1636E-06	0.017989549	0.001803007	0.004558707	0.01
2108	0.00001	58.59140193	42.34207576	0.383320977	0.019168566	325.7223431	0.024765713	0.00383321	0.000117894	0.007628087	0.002706246	3.055507125	9.12089E-06	0.017905698	0.001794603	0.004537459	0.01

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2109	0.00001	58.31702301	42.14379116	0.381525915	0.019078801	324.1970111	0.024649737	0.003815259	0.000117342	0.007592366	0.002693573	3.041198426	9.07818E-06	0.017821847	0.001786199	0.00451621	0.01
2110	0.00001	58.0426441	41.94550656	0.379730853	0.018989036	322.671679	0.024533761	0.003797309	0.00011679	0.007556644	0.0026809	3.026889727	9.03546E-06	0.017737996	0.001777795	0.004494961	0.01
2111	0.00001	57.76826519	41.74722196	0.377935791	0.018899271	321.146347	0.024417785	0.003779358	0.000116238	0.007520922	0.002668227	3.012581029	8.99275E-06	0.017654145	0.001769391	0.004473713	0.01
2112	0.00001	57.49388627	41.54893736	0.376140729	0.018809506	319.621015	0.024301809	0.003761407	0.000115686	0.007485201	0.002655554	2.99827233	8.95004E-06	0.017570294	0.001760987	0.004452464	0.01
2113	0.00001	57.21950736	41.35065275	0.374345667	0.018719742	318.0956829	0.024185833	0.003743457	0.000115134	0.007449479	0.00264288	2.983963631	8.90733E-06	0.017486443	0.001752583	0.004431216	0.01
2114	0.00001	56.94512845	41.15236815	0.372550605	0.018629977	316.5703509	0.024069857	0.003725506	0.000114581	0.007413757	0.002630207	2.969654932	8.86461E-06	0.017402592	0.001744179	0.004409967	0.01
2115	0.00001	56.67074953	40.95408355	0.370755544	0.018540212	315.0450188	0.023953882	0.003707555	0.000114029	0.007378035	0.002617534	2.955346233	8.8219E-06	0.017318741	0.001735775	0.004388719	0.01
2116	0.00001	56.39637062	40.75579895	0.368960482	0.018450447	313.5196868	0.023837906	0.003689605	0.000113477	0.007342314	0.002604861	2.941037534	8.77919E-06	0.01723489	0.001727371	0.00436747	0.01
2117	0.00001	56.12199171	40.55751435	0.36716542	0.018360682	311.9943548	0.02372193	0.003671654	0.000112925	0.007306592	0.002592188	2.926728836	8.73648E-06	0.017151039	0.001718967	0.004346222	0.01
2118	0.00001	55.84761279	40.35922975	0.365370358	0.018270917	310.4690227	0.023605954	0.003653704	0.000112373	0.00727087	0.002579515	2.912420137	8.69377E-06	0.017067188	0.001710563	0.004324973	0.01
2119	0.00001	55.57323388	40.16094515	0.363575296	0.018181152	308.9436907	0.023489978	0.003635753	0.000111821	0.007235148	0.002566842	2.898111438	8.65105E-06	0.016983337	0.001702159	0.004303724	0.01
2120	0.00001	55.29885497	39.96266055	0.361780234	0.018091387	307.4183587	0.023374002	0.003617802	0.000111269	0.007199427	0.002554168	2.883802739	8.60834E-06	0.016899486	0.001693755	0.004282476	0.01
WRSF9																	
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	0.0001	76.5537536	56.72691969	0.5	0.025085481	1090	0.032228687	0.005	0.000151984	0.00995	0.00353	3.955480849	1.19305E-05	0.023475476	0.002244559	0.005722197	0.01
2035	0.0001	77.08859121	55.76968178	0.5	0.025090292	1090	0.032496477	0.005	0.000152859	0.00995	0.00353	3.963515624	1.19976E-05	0.023610537	0.002267871	0.005762773	0.01
2036	0.0001	76.42603128	55.2305748	0.5	0.025003283	1090	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2037	0.0001	76.42603128	55.2305748	0.5	0.025003283	952.7378571	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2038	0.0001	76.42603128	55.2305748	0.5	0.025003283	832.7609398	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2039	0.0001	76.42603128	55.2305748	0.5	0.025003283	727.8925444	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2040	0.0001	76.42603128	55.2305748	0.5	0.025003283	636.2300761	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2041	0.0001	76.42603128	55.2305748	0.5	0.025003283	556.1105315	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2042	0.0001	76.42603128	55.2305748	0.5	0.025003283	486.0803267	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2043	0.0001	76.42603128	55.2305748	0.5	0.025003283	424.8689256	0.032304145	0.005	0.00015378	0.00995	0.00353	3.985572549	1.18972E-05	0.023356011	0.002340862	0.005918615	0.01
2044	0.00001	76.15165237	55.03229019	0.498204938	0.024913518	423.3435935	0.032188169	0.004982049	0.000153228	0.009914278	0.003517327	3.97126385	1.18545E-05	0.02327216	0.002332458	0.005897366	0.010
2045	0.00001	75.87727346	54.83400559	0.496409876	0.024823754	421.8182615	0.032072193	0.004964099	0.000152676	0.009878557	0.003504654	3.956955151	1.18118E-05	0.023188309	0.002324054	0.005876118	0.010
2046	0.00001	75.60289454	54.63572099	0.494614814	0.024733989	420.2929295	0.031956217	0.004946148	0.000152123	0.009842835	0.003491981	3.942646453	1.17691E-05	0.023104458	0.00231565	0.005854869	0.010
2047	0.00001	75.32851563	54.43743639	0.492819752	0.024644224	418.7675974	0.031840241	0.004928198	0.000151571	0.009807113	0.003479307	3.928337754	1.17263E-05	0.023020607	0.002307246	0.005833621	0.010
2048	0.00001	75.05413672	54.23915179	0.491024691	0.024554459	417.2422654	0.031724266	0.004910247	0.000151019	0.009771391	0.003466634	3.914029055	1.16836E-05	0.022936756	0.002298842	0.005812372	0.010
2049	0.00001	74.7797578	54.04086719	0.489229629	0.024464694	415.7169333	0.03160829	0.004892296	0.000150467	0.00973567	0.003453961	3.899720356	1.16409E-05	0.022852905	0.002290438	0.005791124	0.010
2050	0.00001	74.50537889	53.84258259	0.487434567	0.024374929	414.1916013	0.031492314	0.004874346	0.000149915	0.009699948	0.003441288	3.885411657	1.15982E-05	0.022769054	0.002282034	0.005769875	0.010
2051	0.00001	74.23099998	53.64429799	0.485639505	0.024285164	412.6662693	0.031376338	0.004856395	0.000149363	0.009664226	0.003428615	3.871102958	1.15555E-05	0.022685203	0.00227363	0.005748627	0.010
2052	0.00001	73.95662106	53.44601339	0.483844443	0.024195399	411.1409372	0.031260362	0.004838444	0.000148811	0.009628504	0.003415942	3.85679426	1.15128E-05	0.022601352	0.002265226	0.005727378	0.010
2053	0.00001	73.68224215	53.24772879	0.482049381	0.024105635	409.6156052	0.031144386	0.004820494	0.000148259	0.009592783	0.003403269	3.842485561	1.14701E-05	0.022517501	0.002256822	0.005706129	0.010
2054	0.00001	73.40786324	53.04944419	0.480254319	0.02401587	408.0902732	0.03102841	0.004802543	0.000147707	0.009557061	0.003390595	3.828176862	1.14274E-05	0.02243365	0.002248418	0.005684881	0.010
2055	0.00001	73.13348432	52.85115959	0.478459257	0.023926105	406.5649411	0.030912434	0.004784593	0.000147155	0.009521339	0.003377922	3.813868163	1.13846E-05	0.022349799	0.002240014	0.005663632	0.010
2056	0.00001	72.85910541	52.65287499	0.476664195	0.02383634	405.0396091	0.030796458	0.004766642	0.000146603	0.009485617	0.003365249	3.799559464	1.13419E-05	0.022265948	0.00223161	0.005642384	0.010
2057	0.00001	72.5847265	52.45459039	0.474869133	0.023746575	403.514277	0.030680483	0.004748691	0.00014605	0.009449896	0.003352576	3.785250765	1.12992E-05	0.022182097	0.002223206	0.005621135	0.010
2058	0.00001	72.31034758	52.25630579	0.473074072	0.02365681	401.988945	0.030564507	0.004730741	0.000145498	0.009414174	0.003339903	3.770942067	1.12565E-05	0.022098246	0.002214802	0.005599887	0.010
2059	0.00001	72.03596867	52.05802119	0.47127901	0.023567045	400.463613	0.030448531	0.00471279	0.000144946	0.009378452	0.00332723	3.756633368	1.12138E-05	0.022014395	0.002206398	0.005578638	0.010
2060	0.00001	71.76158976	51.85973659	0.469483948	0.02347728	398.9382809	0.030332555	0.004694839	0.000144394	0.009342731	0.003314557	3.742324669	1.11711E-05	0.021930544	0.002197994	0.005557389	0.010
2061	0.00001	71.48721084	51.66145198	0.467688886	0.023387515	397.4129489	0.030216579	0.004676889	0.000143842	0.009307009	0.003301884	3.72801597	1.11284E-05	0.021846694	0.00218959	0.005536141	0.010
2062	0.00001	71.21283193	51.46316738	0.465893824	0.023297751	395.8876169	0.030100603	0.004658938	0.00014329	0.009271287	0.00328921	3.713707271	1.10857E-05	0.021762843	0.002181186	0.005514892	0.010
2063	0.00001	70.93845302	51.26488278	0.464098762	0.023207986	394.3622848	0.029984627	0.004640988	0.000142738	0.009235565	0.003276537	3.699398572	1.10429E-05	0.021678992	0.002172782	0.005493644	0.010
2064	0.00001	70.66407411	51.06659818	0.4623037	0.023118221	392.8369528	0.029868651	0.004623037	0.000142186	0.009199844	0.003263864	3.685089874	1.10002E-05	0.021595141	0.002164378	0.005472395	0.010
2065	0.00001	70.38969519	50.86831358	0.460508638	0.023028456	391.3116207	0.029752676	0.004605086	0.000141634	0.009164122	0.003251191	3.670781175	1.09575E-05	0.02151129	0.002155974	0.005451147	0.010
2066	0.00001	70.11531628	50.67002898	0.458713576	0.022938691	389.7862887	0.0296367	0.004587136	0.000141082	0.0091284	0.003238518	3.656472476	1.09148E-05	0.021427439	0.00214757	0.005429898	0.010
2067	0.00001	69.84093737	50.47174438	0.456918515	0.022848926	388.2609567	0.029520724	0.004569185	0.00014053	0.009092678	0.003225845	3.642163777	1.08721E-05	0.021343588	0.002139166	0.00540865	0.010
2068	0.00001	69.56655845	50.27345978	0.455123453	0.022759161	386.7356246	0.029404748	0.004551235	0.000139977	0.009056957	0.003213172	3.627855078	1.08294E-05	0.021259737	0.002130762	0.005387401	0.010
2069	0.00001	69.29217954	50.07517518	0.453328391	0.022669396	385.2102926	0.029288772	0.004533284	0.000139425	0.009021235	0.003200498	3.613546379	1.07867E-05	0.021175886	0.002122358	0.005366152	0.010
2070	0.00001	69.01780063	49.87689058	0.451533329	0.022579632	383.6849606	0.029172796	0.004515333	0.000138873	0.008985513	0.003187825	3.599237681	1.0744E-05	0.021092035	0.002113954	0.005344904	0.010
2071	0.00001	68.74342171	49.67860598	0.449738267	0.022489867	382.1596285	0.02905682	0.004497383	0.000138321	0.008949792	0.003175152	3.584928982	1.07012E-05	0.021008184	0.00210555	0.005323655	0.010
2072	0.00001	68.4690428	49.48032138	0.447943205	0.022400102	380.6342965	0.028940844	0.004479432	0.000137769	0.00891407	0.003162479	3.570620283	1.06585E-05	0.020924333	0.002097146	0.005302407	0.010
2073	0.00001	68.19466389	49.28203678	0.446148143	0.022310337	379.1089644	0.028824869	0.004461481	0.000137217	0.008878348	0.003149806	3.556311584	1.06158E-05	0.020840482	0.002088742	0.005281158	0.010
2074	0.00001	67.92028497	49.08375218	0.444353081	0.022220572	377.5836324	0.028708893	0.004443531	0.000136665	0.008842626	0.003137133	3.542002885	1.05731E-05	0.020756631	0.002080338	0.00525991	0.010
2075	0.00001	67.64590606	48.88546758	0.442558019	0.022130807	376.0583004	0.028592917	0.00442558	0.000136113	0.008806905	0.00312446	3.527694186	1.05304E-05	0.02067278	0.002071934	0.005238661	0.010
2076	0.00001	67.37152715	48.68718298	0.440762957	0.022041042	374.5329683	0.028476941	0.00440763	0.000135561	0.008771183	0.003111786	3.513385488	1.04877E-05	0.020588929	0.00206353	0.005217413	0.010
2077	0.00001	67.09714823	48.48889838	0.438967896	0.021951277	373.0076363	0.028360965	0.004389679	0.000135009	0.008735461	0.003099113	3.499076789	1.0445E-05	0.020505078	0.002055126	0.005196164	0.010
2078	0.00001	66.82276932	48.29061378	0.437172834	0.021861512	371.4823042	0.028244989	0.004371728	0.000134457	0.008699739	0.00308644	3.48476809	1.04023E-05	0.020421227	0.002046722	0.005174915	0.010
2079	0.00001	66.54839041	48.09232917	0.435377772	0.021771748	369.9569722	0.028129013	0.004353778	0.000133905	0.008664018	0.003073767	3.470459391	1.03595E-05	0.020337376	0.002038318	0.005153667	0.010
2080	0.00001	66.27401149	47.89404457	0.43358271	0.021681983	368.4316402	0.028013037	0.004335827	0.000133352	0.008628296	0.003061094	3.456150692	1.03168E-05	0.020253525	0.002029914	0.005132418	0.010
2081	0.00001	65.99963258	47.69575997	0.431787648	0.021592218	366.9063081	0.027897061	0.004317876	0.0001328	0.008592574	0.003048421	3.441841993	1.02741E-05	0.020169674	0.00202151	0.00511117	0.010

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2082	0.00001	65.72525367	47.49747537	0.429992586	0.021502453	365.3809761	0.027781086	0.004299926	0.000132248	0.008556852	0.003035748	3.427533295	1.02314E-05	0.020085823	0.002013106	0.005089921	0.010
2083	0.00001	65.45087475	47.29919077	0.428197524	0.021412688	363.8556441	0.02766511	0.004281975	0.000131696	0.008521131	0.003023075	3.413224596	1.01887E-05	0.020001972	0.002004702	0.005068673	0.010
2084	0.00001	65.17649584	47.10090617	0.426402462	0.021322923	362.330312	0.027549134	0.004264025	0.000131144	0.008485409	0.003010401	3.398915897	1.0146E-05	0.019918121	0.001996298	0.005047424	0.010
2085	0.00001	64.90211693	46.90262157	0.4246074	0.021233158	360.80498	0.027433158	0.004246074	0.000130592	0.008449687	0.002997728	3.384607198	1.01033E-05	0.01983427	0.001987894	0.005026175	0.010
2086	0.00001	64.62773802	46.70433697	0.422812338	0.021143393	359.2796479	0.027317182	0.004228123	0.00013004	0.008413966	0.002985055	3.370298499	1.00606E-05	0.019750419	0.00197949	0.005004927	0.010
2087	0.00001	64.3533591	46.50605237	0.421017277	0.021053629	357.7543159	0.027201206	0.004210173	0.000129488	0.008378244	0.002972382	3.3559898	1.00178E-05	0.019666568	0.001971086	0.004983678	0.010
2088	0.00001	64.07898019	46.30776777	0.419222215	0.020963864	356.2289839	0.02708523	0.004192222	0.000128936	0.008342522	0.002959709	3.341681102	9.97514E-06	0.019582717	0.001962682	0.00496243	0.010
2089	0.00001	63.80460128	46.10948317	0.417427153	0.020874099	354.7036518	0.026969254	0.004174272	0.000128384	0.0083068	0.002947036	3.327372403	9.93242E-06	0.019498866	0.001954278	0.004941181	0.010
2090	0.00001	63.53022236	45.91119857	0.415632091	0.020784334	353.1783198	0.026853279	0.004156321	0.000127832	0.008271079	0.002934363	3.313063704	9.88971E-06	0.019415015	0.001945874	0.004919933	0.010
2091	0.00001	63.25584345	45.71291397	0.413837029	0.020694569	351.6529878	0.026737303	0.00413837	0.000127279	0.008235357	0.002921689	3.298755005	9.847E-06	0.019331164	0.00193747	0.004898684	0.010
2092	0.00001	62.98146454	45.51462937	0.412041967	0.020604804	350.1276557	0.026621327	0.00412042	0.000126727	0.008199635	0.002909016	3.284446306	9.80429E-06	0.019247313	0.001929066	0.004877436	0.010
2093	0.00001	62.70708562	45.31634477	0.410246905	0.020515039	348.6023237	0.026505351	0.004102469	0.000126175	0.008163913	0.002896343	3.270137607	9.76158E-06	0.019163462	0.001920663	0.004856187	0.010
2094	0.00001	62.43270671	45.11806017	0.408451843	0.020425274	347.0769916	0.026389375	0.004084518	0.000125623	0.008128192	0.00288367	3.255828909	9.71886E-06	0.019079611	0.001912259	0.004834938	0.010
2095	0.00001	62.1583278	44.91977557	0.406656781	0.020335509	345.5516596	0.026273399	0.004066568	0.000125071	0.00809247	0.002870997	3.24152021	9.67615E-06	0.018995761	0.001903855	0.00481369	0.010
2096	0.00001	61.88394888	44.72149096	0.40486172	0.020245745	344.0263276	0.026157423	0.004048617	0.000124519	0.008056748	0.002858324	3.227211511	9.63344E-06	0.01891191	0.001895451	0.004792441	0.010
2097	0.00001	61.60956997	44.52320636	0.403066658	0.02015598	342.5009955	0.026041447	0.004030667	0.000123967	0.008021026	0.002845651	3.212902812	9.59073E-06	0.018828059	0.001887047	0.004771193	0.010
2098	0.00001	61.33519106	44.32492176	0.401271596	0.020066215	340.9756635	0.025925472	0.004012716	0.000123415	0.007985305	0.002832977	3.198594113	9.54801E-06	0.018744208	0.001878643	0.004749944	0.010
2099	0.00001	61.06081214	44.12663716	0.399476534	0.01997645	339.4503315	0.025809496	0.003994765	0.000122863	0.007949583	0.002820304	3.184285415	9.5053E-06	0.018660357	0.001870239	0.004728696	0.010
2100	0.00001	60.78643323	43.92835256	0.397681472	0.019886685	337.9249994	0.02569352	0.003976815	0.000122311	0.007913861	0.002807631	3.169976716	9.46259E-06	0.018576506	0.001861835	0.004707447	0.010
2101	0.00001	60.51205432	43.73006796	0.39588641	0.01979692	336.3996674	0.025577544	0.003958864	0.000121759	0.00787814	0.002794958	3.155668017	9.41988E-06	0.018492655	0.001853431	0.004686198	0.010
2102	0.00001	60.2376754	43.53178336	0.394091348	0.019707155	334.8743353	0.025461568	0.003940913	0.000121207	0.007842418	0.002782285	3.141359318	9.37716E-06	0.018408804	0.001845027	0.00466495	0.010
2103	0.00001	59.96329649	43.33349876	0.392296286	0.01961739	333.3490033	0.025345592	0.003922963	0.000120654	0.007806696	0.002769612	3.127050619	9.33445E-06	0.018324953	0.001836623	0.004643701	0.010
2104	0.00001	59.68891758	43.13521416	0.390501224	0.019527626	331.8236713	0.025229616	0.003905012	0.000120102	0.007770974	0.002756939	3.11274192	9.29174E-06	0.018241102	0.001828219	0.004622453	0.010
2105	0.00001	59.41453866	42.93692956	0.388706162	0.019437861	330.2983392	0.02511364	0.003887062	0.00011955	0.007735253	0.002744266	3.098433222	9.24903E-06	0.018157251	0.001819815	0.004601204	0.010
2106	0.00001	59.14015975	42.73864496	0.386911101	0.019348096	328.7730072	0.024997665	0.003869111	0.000118998	0.007699531	0.002731592	3.084124523	9.20631E-06	0.0180734	0.001811411	0.004579956	0.010
2107	0.00001	58.86578084	42.54036036	0.385116039	0.019258331	327.2476751	0.024881689	0.00385116	0.000118446	0.007663809	0.002718919	3.069815824	9.1636E-06	0.017989549	0.001803007	0.004558707	0.010
2108	0.00001	58.59140193	42.34207576	0.383320977	0.019168566	325.7223431	0.024765713	0.00383321	0.000117894	0.007628087	0.002706246	3.055507125	9.12089E-06	0.017905698	0.001794603	0.004537459	0.010
2109	0.00001	58.31702301	42.14379116	0.381525915	0.019078801	324.1970111	0.024649737	0.003815259	0.000117342	0.007592366	0.002693573	3.041198426	9.07818E-06	0.017821847	0.001786199	0.00451621	0.010
2110	0.00001	58.0426441	41.94550656	0.379730853	0.018989036	322.671679	0.024533761	0.003797309	0.00011679	0.007556644	0.0026809	3.026889727	9.03546E-06	0.017737996	0.001777795	0.004494961	0.010
2111	0.00001	57.76826519	41.74722196	0.377935791	0.018899271	321.146347	0.024417785	0.003779358	0.000116238	0.007520922	0.002668227	3.012581029	8.99275E-06	0.017654145	0.001769391	0.004473713	0.010
2112	0.00001	57.49388627	41.54893736	0.376140729	0.018809506	319.621015	0.024301809	0.003761407	0.000115686	0.007485201	0.002655554	2.99827233	8.95004E-06	0.017570294	0.001760987	0.004452464	0.010
2113	0.00001	57.21950736	41.35065275	0.374345667	0.018719742	318.0956829	0.024185833	0.003743457	0.000115134	0.007449479	0.00264288	2.983963631	8.90733E-06	0.017486443	0.001752583	0.004431216	0.010
2114	0.00001	56.94512845	41.15236815	0.372550605	0.018629977	316.5703509	0.024069857	0.003725506	0.000114581	0.007413757	0.002630207	2.969654932	8.86461E-06	0.017402592	0.001744179	0.004409967	0.010
2115	0.00001	56.67074953	40.95408355	0.370755544	0.018540212	315.0450188	0.023953882	0.003707555	0.000114029	0.007378035	0.002617534	2.955346233	8.8219E-06	0.017318741	0.001735775	0.004388719	0.010
2116	0.00001	56.39637062	40.75579895	0.368960482	0.018450447	313.5196868	0.023837906	0.003689605	0.000113477	0.007342314	0.002604861	2.941037534	8.77919E-06	0.01723489	0.001727371	0.00436747	0.010
2117	0.00001	56.12199171	40.55751435	0.36716542	0.018360682	311.9943548	0.02372193	0.003671654	0.000112925	0.007306592	0.002592188	2.926728836	8.73648E-06	0.017151039	0.001718967	0.004346222	0.010
2118	0.00001	55.84761279	40.35922975	0.365370358	0.018270917	310.4690227	0.023605954	0.003653704	0.000112373	0.00727087	0.002579515	2.912420137	8.69377E-06	0.017067188	0.001710563	0.004324973	0.010
2119	0.00001	55.57323388	40.16094515	0.363575296	0.018181152	308.9436907	0.023489978	0.003635753	0.000111821	0.007235148	0.002566842	2.898111438	8.65105E-06	0.016983337	0.001702159	0.004303724	0.010
2120	0.00001	55.29885497	39.96266055	0.361780234	0.018091387	307.4183587	0.023374002	0.003617802	0.000111269	0.007199427	0.002554168	2.883802739	8.60834E-06	0.016899486	0.001693755	0.004282476	0.010
SAL WRSF1																	
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	4.85714E-05	514	216.6666667	0.770447813	0.028757926	7840	0.282745245	0.044243724	0.000287008	0.008978408	0.004220773	1.478325536	2.63416E-05	0.025411252	0.022076652	0.020774652	0.132433032
2030	4.85714E-05	514	216.6666667	1.040275354	0.027871787	7840	0.279735237	0.044277479	0.000150314	0.004728525	0.004687902	0.604838694	1.5421E-05	0.006018434	0.023195086	0.023114695	0.132433032
2031	4.85714E-05	514	216.6666667	1.054809861	0.030504835	7840	0.269483102	0.044065981	0.000142636	0.005129598	0.004655685	0.555202217	1.60026E-05	0.00608666	0.021844003	0.022716656	0.132433032
2032	4.85714E-05	514	216.6666667	1.038371518	0.029358766	7840	0.259424172	0.042397315	0.000125113	0.004620214	0.004514895	0.456278535	1.4751E-05	0.004294668	0.021040854	0.022021096	0.132433032
2033	4.85714E-05	514	216.6666667	1.096619394	0.038402788	7840	0.226029214	0.044277479	0.000140394	0.005637533	0.004725571	0.544288671	1.0979E-05	0.005154852	0.019322222	0.022568361	0.132433032
2034	4.85714E-05	449.2727143	189.3821429	1.096619394	0.038402788	6852.72	0.226029214	0.044277479	0.000140394	0.005637533	0.004725571	0.544288671	1.0979E-05	0.005154852	0.019322222	0.022568361	0.115774107
2035	4.85714E-05	392.6964432	165.5335202	1.096619394	0.038402788	5989.76676	0.226029214	0.044277479	0.000140394	0.005637533	0.004725571	0.544288671	1.0979E-05	0.005154852	0.019322222	0.022568361	0.101213017
2036	4.85714E-05	343.2447411	144.6881204	1.096619394	0.038402788	5235.483989	0.226029214	0.044277479	0.000140394	0.005637533	0.004725571	0.544288671	1.0979E-05	0.005154852	0.019322222	0.022568361	0.088485584
2037	4.85714E-05	300.0204212	126.4677521	1.096619394	0.038402788	4576.186969	0.226029214	0.044277479	0.000140394	0.005637533	0.004725571	0.544288671	1.0979E-05	0.005154852	0.019322222	0.022568361	0.077360898
2038	4.85714E-05	262.2392782	110.5418488	1.096619394	0.038402788	3999.914282	0.226029214	0.044277479	0.000140394	0.005637533	0.004725571	0.544288671	1.0979E-05	0.005154852	0.019322222	0.022568361	0.067637128
2039	4.85714E-05	229.2158605	96.62147167	1.096619394	0.038402788	3496.21079	0.226029214	0.044277479	0.000140394	0.005637533	0.004725571	0.544288671	1.0979E-05	0.005154852	0.019322222	0.022568361	0.059137859
2040	4.85714E-05	200.3510346	93.59410085	1.096619394	0.038402788	3055.93796	0.226029214	0.044277479	0.000140394	0.005637533	0.004725571	0.544288671	1.0979E-05	0.005154852	0.019322222	0.022568361	0.052525157
2041	4.85714E-05	175.1211151	93.59410085	1.096619394	0.038402788	2671.108058	0.226029214	0.044277479	0.000140394	0.005637533	0.004725571	0.544288671	1.0979E-05	0.005154852	0.019322222	0.022568361	0.046981501
2042	4.85714E-05	153.0683632	93.59410085	1.096619394	0.038402788	2334.739236	0.226029214	0.044277479	0.000140394	0.005637533	0.004725571	0.544288671	1.0979E-05	0.005154852	0.019322222	0.022568361	0.042135949
2043	4.85714E-05	133.7926829	93.59410085	1.096619394	0.038402788	2040.72886	0.226029214	0.044277479	0.000140394	0.005637533	0.004725571	0.544288671	1.0979E-05	0.005154852	0.019322222	0.022568361	0.037900591
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Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
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2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	4.85714E-05	514	35.43453153	1.061215898	0.023435809	7840	0.305417651	0.044277479	0.000130416	0.003873719	0.004725571	0.474111718	1.70897E-05	0.003742544	0.024759097	0.023566664	0.116247788
2034	4.85714E-05	514	49.73130149	1.07669877	0.027224692	7840	0.287230815	0.044264895	0.000128656	0.004323475	0.004724228	0.463340454	1.60974E-05	0.003891041	0.02329358	0.023286724	0.117524586
2035	4.85714E-05	514	47.39449261	1.072922585	0.026588296	7840	0.289776662	0.044212997	0.000128779	0.004246603	0.004718689	0.464491187	1.62358E-05	0.00386266	0.023498547	0.023302938	0.117315893
2036	4.85714E-05	514	86.70214486	1.11758927	0.037034287	7840	0.240492533	0.044269278	0.000124216	0.005488825	0.004724696	0.435903798	1.35475E-05	0.004277858	0.019527478	0.022583028	0.12082633
2037	4.85714E-05	514	128.1211871	1.155122971	0.047910489	7840	0.185294754	0.043915654	0.000118151	0.00677206	0.004686955	0.401113638	1.05327E-05	0.004683909	0.015078516	0.021598356	0.124525327
2038	4.85714E-05	449.2727143	128.1211871	1.155122971	0.047910489	6852.72	0.185294754	0.043915654	0.000118151	0.00677206	0.004686955	0.401113638	1.05327E-05	0.004683909	0.015078516	0.021598356	0.110303093
2039	4.85714E-05	392.6964432	128.1211871	1.155122971	0.047910489	5989.76676	0.185294754	0.043915654	0.000118151	0.00677206	0.004686955	0.401113638	1.05327E-05	0.004683909	0.015078516	0.021598356	0.097871845
2040	4.85714E-05	343.2447411	128.1211871	1.155122971	0.047910489	5235.483989	0.185294754	0.043915654	0.000118151	0.00677206	0.004686955	0.401113638	1.05327E-05	0.004683909	0.015078516	0.021598356	0.087006046
2041	4.85714E-05	300.0204212	128.1211871	1.155122971	0.047910489	4576.186969	0.185294754	0.043915654	0.000118151	0.00677206	0.004686955	0.401113638	1.05327E-05	0.004683909	0.015078516	0.021598356	0.077508561
2042	4.85714E-05	262.2392782	128.1211871	1.155122971	0.047910489	3999.914282	0.185294754	0.043915654	0.000118151	0.00677206	0.004686955	0.401113638	1.05327E-05	0.004683909	0.015078516	0.021598356	0.069207081
2043	4.85714E-05	229.2158605	128.1211871	1.155122971	0.047910489	3496.21079	0.185294754	0.043915654	0.000118151	0.00677206	0.004686955	0.401113638	1.05327E-05	0.004683909	0.015078516	0.021598356	0.061950995
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Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
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2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	4.85714E-05	514	35.92146384	0.216907033	0.052249765	7840	0.184904356	0.044277479	0.000126919	0.001185392	0.004725571	0.162498107	2.8953E-05	0.040507894	0.010432938	0.015890044	0.116291275
2026	4.85714E-05	514	36.65250285	0.217096982	0.052213871	7840	0.182902999	0.044277479	0.000126674	0.001223186	0.004725571	0.17312439	2.86879E-05	0.040075846	0.010422992	0.015789247	0.116356561
2027	4.85714E-05	514	52.2692665	0.18791506	0.051572819	7840	0.15404143	0.044266007	0.00013623	0.001254558	0.004724347	0.410089467	2.52871E-05	0.036659666	0.008927062	0.01329467	0.117751243
2028	4.85714E-05	514	48.91262589	0.193335349	0.051725358	7840	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.117451472
2029	4.85714E-05	449.2727143	48.91262589	0.193335349	0.051725358	6852.72	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.103229238
2030	4.85714E-05	392.6964432	48.91262589	0.193335349	0.051725358	5989.76676	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.09079799
2031	4.85714E-05	343.2447411	48.91262589	0.193335349	0.051725358	5235.483989	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.079932191
2032	4.85714E-05	300.0204212	48.91262589	0.193335349	0.051725358	4576.186969	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.070434706
2033	4.85714E-05	262.2392782	48.91262589	0.193335349	0.051725358	3999.914282	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.062133226
2034	4.85714E-05	229.2158605	48.91262589	0.193335349	0.051725358	3496.21079	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.05487714
2035	4.85714E-05	200.3510346	48.91262589	0.193335349	0.051725358	3055.93796	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.048534802
2036	4.85714E-05	175.1211151	48.91262589	0.193335349	0.051725358	2671.108058	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.042991146
2037	4.85714E-05	153.0683632	48.91262589	0.193335349	0.051725358	2334.739236	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.038145594
2038	4.85714E-05	133.7926829	48.91262589	0.193335349	0.051725358	2040.72886	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.033910236
2039	4.85714E-05	116.9443615	48.91262589	0.193335349	0.051725358	1783.74279	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.03020823
2040	4.85714E-05	102.2177251	48.91262589	0.193335349	0.051725358	1559.118608	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.026972413
2041	4.85714E-05	89.345593	48.91262589	0.193335349	0.051725358	1362.781029	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.024144078
2042	4.85714E-05	78.09443011	48.91262589	0.193335349	0.051725358	1191.167961	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.02167191
2043	4.85714E-05	68.26011009	48.91262589	0.193335349	0.051725358	1041.165882	0.160678829	0.044277479	0.000134604	0.001226763	0.004725571	0.359349368	2.60878E-05	0.037563575	0.009216308	0.013826038	0.01951106
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Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
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SAL WRSF4																	
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	4.85714E-05	514	63.06896068	0.307542423	0.043582526	7840	0.225800076	0.044277479	0.000564368	0.018815	0.003342945	3.151774917	4.31735E-05	0.063348312	0.015100255	0.01543273	0.118715728
2033	4.85714E-05	514	64.26854963	0.666780775	0.037226714	7840	0.273339813	0.044277479	0.000436749	0.01815087	0.003871237	2.236945344	2.77139E-05	0.036526356	0.021205218	0.016176784	0.118822859
2034	4.85714E-05	514	54.42088923	0.609800182	0.035818519	7840	0.277771457	0.044277479	0.000429697	0.018174775	0.003794038	2.362847651	2.98895E-05	0.039394289	0.021476176	0.016029105	0.117943397
2035	4.85714E-05	514	65.69409148	0.574861458	0.039286469	7840	0.259027947	0.044277479	0.0004743	0.018335412	0.003734878	2.47447032	3.17192E-05	0.043638083	0.019420801	0.015991722	0.11895017
2036	4.85714E-05	514	104.2802716	0.601925541	0.048439465	7840	0.21488663	0.044277479	0.000573483	0.018609993	0.003748385	2.482097053	3.16566E-05	0.047143913	0.014940712	0.01616601	0.122396174
2037	4.85714E-05	449.2727143	104.2802716	0.601925541	0.048439465	6852.72	0.21488663	0.044277479	0.000573483	0.018609993	0.003748385	2.482097053	3.16566E-05	0.047143913	0.014940712	0.01616601	0.10817394
2038	4.85714E-05	392.6964432	104.2802716	0.601925541	0.048439465	5989.76676	0.21488663	0.044277479	0.000573483	0.018609993	0.003748385	2.482097053	3.16566E-05	0.047143913	0.014940712	0.01616601	0.095742691
2039	4.85714E-05	343.2447411	104.2802716	0.601925541	0.048439465	5235.483989	0.21488663	0.044277479	0.000573483	0.018609993	0.003748385	2.482097053	3.16566E-05	0.047143913	0.014940712	0.01616601	0.084876892
2040	4.85714E-05	300.0204212	104.2802716	0.601925541	0.048439465	4576.186969	0.21488663	0.044277479	0.000573483	0.018609993	0.003748385	2.482097053	3.16566E-05	0.047143913	0.014940712	0.01616601	0.075379408
2041	4.85714E-05	262.2392782	104.2802716	0.601925541	0.048439465	3999.914282	0.21488663	0.044277479	0.000573483	0.018609993	0.003748385	2.482097053	3.16566E-05	0.047143913	0.014940712	0.01616601	0.067077928
2042	4.85714E-05	229.2158605	104.2802716	0.601925541	0.048439465	3496.21079	0.21488663	0.044277479	0.000573483	0.018609993	0.003748385	2.482097053	3.16566E-05	0.047143913	0.014940712	0.01616601	0.059821841
2043	4.85714E-05	200.3510346	104.2802716	0.601925541	0.048439465	3055.93796	0.21488663	0.044277479	0.000573483	0.018609993	0.003748385	2.482097053	3.16566E-05	0.047143913	0.014940712	0.01616601	0.053479503
2044																	
2045																	
2046																	
2047																	
2048																	

Appendix B-1: Source Term Inputs
WRSF Source Terms

Parameter	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn	D-Ra226
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
2049																	
2050																	
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Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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2020																																				
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2029																																				
2030																																				
2031	2450	2.83	3.67	0.125	1490	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2032	2450	2.83	3.67	0.125	1490	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2033	2450	2.83	3.67	0.125	1490	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2034	2450	2.83	3.67	0.125	1490	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2035	2450	2.83	3.67	0.125	1490	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2036	2450	2.83	3.67	0.125	1490	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2037	2190	2.47	3.21	0.109	1300	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	512	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2038	1960	2.16	2.8	0.0955	1140	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	448	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2039	1760	1.89	2.45	0.0835	996	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	391	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2040	1580	1.65	2.14	0.073	871	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	342	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2041	1430	1.44	1.87	0.0638	761	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	299	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2042	1300	1.26	1.64	0.0557	665	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	261	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2043	1180	1.1	1.43	0.0487	582	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	228	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
2044+	1180	0.01	0.007	0.001	582	0.342	227			2E-06	0.0175	0.00852	0.57	0.0676	1.6E-05	49.8	0.00011	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	228	0.0166	0.00477	6.2E-05	0.00419	0.0016	1.63	0.000005	0.0124	0.00097
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2030	2630	2.83	3.67	0.125	1540	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	646	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2031	2630	2.83	3.67	0.125	1540	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	646	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2032	2630	2.83	3.67	0.125	1540	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	646	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2033	2630	2.83	3.67	0.125	1540	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	646	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2034	2630	2.83	3.67	0.125	1540	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	646	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2035	2350	2.47	3.21	0.109	1340	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	564	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2036	2110	2.16	2.8	0.0955	1170	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	493	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2037	1900	1.89	2.45	0.0835	1030	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	431	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2038	1720	1.65	2.14	0.073	897	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	377	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2039	1550	1.44	1.87	0.0638	784	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	329	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2040	1410	1.26	1.64	0.0557	685	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	288	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2041	1290	1.1	1.43	0.0487	599	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	252	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2042	1180	0.964	1.25	0.0426	523	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	220	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2043	1090	0.843	1.09	0.0372	457	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	192	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211
2044+	1090	0.01	0.007	0.001	457	0.344	296			1.9E-06	0.0154	0.00478	0.558	0.0189	7.2E-06	65	9E-05	0.00203	0.0008	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	192	0.0281	0.00634	2.4E-05	0.00398	0.00162	0.609	1.46E-06	0.00517	0.00211

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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2031																																				
2032	3200	2.83	3.67	0.125	1650	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	805	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2033	3200	2.83	3.67	0.125	1650	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	805	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2034	3200	2.83	3.67	0.125	1650	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	805	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2035	3200	2.83	3.67	0.125	1650	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	805	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2036	2890	2.47	3.21	0.109	1450	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	704	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2037	2620	2.16	2.8	0.0955	1260	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	615	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2038	2380	1.89	2.45	0.0835	1100	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	538	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2039	2180	1.65	2.14	0.073	965	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	470	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2040	2000	1.44	1.87	0.0638	844	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	411	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2041	1840	1.26	1.64	0.0557	737	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	359	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2042	1700	1.1	1.43	0.0487	645	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	314	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2043	1580	0.964	1.25	0.0426	563	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	274	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
2044+	1580	0.01	0.007	0.001	563	0.347	514			3.4E-06	0.0147	0.00767	0.525	0.0283	9.8E-06	113	0.00009	0.00392	0.00059	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	274	0.0261	0.0106	1.9E-05	0.00349	0.00168	0.506	1.03E-06	0.00908	0.00163
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2035	3260	2.83	3.67	0.125	1720	0.349	442			4.3E-06	0.0155	0.00804	0.507	0.034	1.1E-05	96.9	7.7E-05	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	892	0.0271	0.0129	1.6E-05	0.00324	0.00166	0.496	9.2E-07	0.0112	0.00156
2036	3260	2.83	3.67	0.125	1720	0.349	442			4.3E-06	0.0155	0.00804	0.507	0.034	1.1E-05	96.9	7.7E-05	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	892	0.0271	0.0129	1.6E-05	0.00324	0.00166	0.496	9.2E-07	0.0112	0.00156
2037	2930	2.47	3.21	0.109	1500	0.349	442			4.3E-06	0.0155	0.00804	0.507	0.034	1.1E-05	96.9	7.7E-05	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	780	0.0271	0.0129	1.6E-05	0.00324	0.00166	0.496	9.2E-07	0.0112	0.00156
2038	2650	2.16	2.8	0.0955	1310	0.349	442			4.3E-06	0.0155	0.00804	0.507	0.034	1.1E-05	96.9	7.7E-05	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	682	0.0271	0.0129	1.6E-05	0.00324	0.00166	0.496	9.2E-07	0.0112	0.00156
2039	2400	1.89	2.45	0.0835	1150	0.349	442			4.3E-06	0.0155	0.00804	0.507	0.034	1.1E-05	96.9	7.7E-05	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	596	0.0271	0.0129	1.6E-05	0.00324	0.00166	0.496	9.2E-07	0.0112	0.00156
2040	2180	1.65	2.14	0.073	1000	0.349	442			4.3E-06	0.0155	0.00804	0.507	0.034	1.1E-05	96.9	7.7E-05	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	521	0.0271	0.0129	1.6E-05	0.00324	0.00166	0.496	9.2E-07	0.0112	0.00156
2041	1980	1.44	1.87	0.0638	876	0.349	442			4.3E-06	0.0155	0.00804	0.507	0.034	1.1E-05	96.9	7.7E-05	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	455	0.0271	0.0129	1.6E-05	0.00324	0.00166	0.496	9.2E-07	0.0112	0.00156
2042	1820	1.26	1.64	0.0557	766	0.349	442			4.3E-06	0.0155	0.00804	0.507	0.034	1.1E-05	96.9	7.7E-05	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	398	0.0271	0.0129	1.6E-05	0.00324	0.00166	0.496	9.2E-07	0.0112	0.00156
2043	1670	1.1	1.43	0.0487	669	0.349	442			4.3E-06	0.0155	0.00804	0.507	0.034	1.1E-05	96.9	7.7E-05	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	348	0.0271	0.0129	1.6E-05	0.00324	0.00166	0.496	9.2E-07	0.0112	0.00156
2044+	1670	0.01	0.007	0.001	669	0.349	442			4.3E-06	0.0155	0.00804	0.507	0.034	1.1E-05	96.9	7.7E-05	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	348	0.0271	0.0129	1.6E-05	0.00324	0.00166	0.496	9.2E-07	0.0112	0.00156

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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2020																																				
2021																																				
2022																																				
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2025																																				
2026	2510	2.83	3.67	0.125	1520	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	618	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2027	2510	2.83	3.67	0.125	1520	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	618	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2028	2510	2.83	3.67	0.125	1520	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	618	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2029	2510	2.83	3.67	0.125	1520	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	618	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2030	2510	2.83	3.67	0.125	1520	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	618	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2031	2240	2.47	3.21	0.109	1320	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	540	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2032	2010	2.16	2.8	0.0955	1160	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	472	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2033	1800	1.89	2.45	0.0835	1010	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	412	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2034	1620	1.65	2.14	0.073	885	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	360	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2035	1470	1.44	1.87	0.0638	773	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	315	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2036	1330	1.26	1.64	0.0557	676	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	275	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2037	1210	1.1	1.43	0.0487	591	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	241	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2038	1100	0.964	1.25	0.0426	516	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	210	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2039	1010	0.843	1.09	0.0372	451	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	184	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2040	932	0.737	0.955	0.0325	394	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	161	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2041	862	0.644	0.834	0.0284	345	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	141	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2042	801	0.563	0.729	0.0249	301	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	123	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2043	747	0.492	0.637	0.0217	263	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	107	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
2044+	747	0.01	0.007	0.001	263	0.343	244			7.5E-06	0.0152	0.00883	0.564	0.0311	9.8E-06	53.5	9E-05	0.0025	0.00071	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	107	0.0296	0.00561	4.1E-05	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184
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2029	3420	2.83	3.67	0.125	1700	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	875	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2030	3420	2.83	3.67	0.125	1700	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	875	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2031	3420	2.83	3.67	0.125	1700	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	875	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2032	3100	2.47	3.21	0.109	1490	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	764	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2033	2810	2.16	2.8	0.0955	1300	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	668	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2034	2560	1.89	2.45	0.0835	1140	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	584	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2035	2350	1.65	2.14	0.073	995	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	510	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2036	2160	1.44	1.87	0.0638	870	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	446	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2037	1990	1.26	1.64	0.0557	760	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	390	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2038	1850	1.1	1.43	0.0487	664	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	341	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2039	1720	0.964	1.25	0.0426	581	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	298	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2040	1610	0.843	1.09	0.0372	508	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	260	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2041	1510	0.737	0.955	0.0325	444	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	228	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2042	1430	0.644	0.834	0.0284	388	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	199	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2043	1350	0.563	0.729	0.0249	339	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	174	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146
2044+	1350	0.01	0.007	0.001	339	0.349	585			4.6E-06	0.0147	0.0088	0.511	0.0327	1.1E-05	128	9E-05	0.00475	0.00049	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	174	0.0253	0.0124	1.9E-05	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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2032	3300	2.83	3.67	0.125	1670	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	822	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2033	3300	2.83	3.67	0.125	1670	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	822	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2034	3300	2.83	3.67	0.125	1670	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	822	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2035	3300	2.83	3.67	0.125	1670	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	822	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2036	2990	2.47	3.21	0.109	1460	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	718	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2037	2710	2.16	2.8	0.0955	1270	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	628	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2038	2470	1.89	2.45	0.0835	1110	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	549	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2039	2260	1.65	2.14	0.073	972	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	480	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2040	2080	1.44	1.87	0.0638	850	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	419	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2041	1920	1.26	1.64	0.0557	743	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	366	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2042	1780	1.1	1.43	0.0487	649	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	320	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2043	1660	0.964	1.25	0.0426	568	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	280	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
2044+	1660	0.01	0.007	0.001	568	0.348	564			3.6E-06	0.0146	0.00816	0.522	0.0292	1E-05	124	9.3E-05	0.00412	0.00057	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	280	0.0259	0.011	1.9E-05	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157
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2028	2900	2.83	3.67	0.125	1620	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	763	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2029	2900	2.83	3.67	0.125	1620	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	763	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2030	2900	2.83	3.67	0.125	1620	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	763	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2031	2600	2.47	3.21	0.109	1420	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	667	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2032	2340	2.16	2.8	0.0955	1240	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	583	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2033	2110	1.89	2.45	0.0835	1080	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	510	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2034	1910	1.65	2.14	0.073	947	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	445	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2035	1730	1.44	1.87	0.0638	828	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	389	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2036	1580	1.26	1.64	0.0557	724	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	340	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2037	1440	1.1	1.43	0.0487	632	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	297	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2038	1330	0.964	1.25	0.0426	553	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	260	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2039	1230	0.843	1.09	0.0372	483	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	227	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2040	1140	0.737	0.955	0.0325	422	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	199	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2041	1060	0.644	0.834	0.0284	369	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	174	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2042	989	0.563	0.729	0.0249	323	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	152	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2043	929	0.492	0.637	0.0217	282	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	133	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188
2044+	929	0.01	0.007	0.001	282	0.346	346			3.7E-06	0.0157	0.00623	0.534	0.0266	9.3E-06	75.8	8.4E-05	0.00342	0.00064	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	133	0.0274	0.00946	2.3E-05	0.00375	0.00164	0.628	1.29E-06	0.00807	0.00188

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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2033																																				
2034																																				
2035	3260	2.83	3.67	0.125	1690	0.348	494			4.5E-06	0.0148	0.00797	0.516	0.0314	1.1E-05	108	8.4E-05	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	850	0.0255	0.0117	2E-05	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154
2036	3260	2.83	3.67	0.125	1690	0.348	494			4.5E-06	0.0148	0.00797	0.516	0.0314	1.1E-05	108	8.4E-05	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	850	0.0255	0.0117	2E-05	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154
2037	2940	2.47	3.21	0.109	1470	0.348	494			4.5E-06	0.0148	0.00797	0.516	0.0314	1.1E-05	108	8.4E-05	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	743	0.0255	0.0117	2E-05	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154
2038	2660	2.16	2.8	0.0955	1290	0.348	494			4.5E-06	0.0148	0.00797	0.516	0.0314	1.1E-05	108	8.4E-05	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	650	0.0255	0.0117	2E-05	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154
2039	2410	1.89	2.45	0.0835	1130	0.348	494			4.5E-06	0.0148	0.00797	0.516	0.0314	1.1E-05	108	8.4E-05	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	568	0.0255	0.0117	2E-05	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154
2040	2200	1.65	2.14	0.073	985	0.348	494			4.5E-06	0.0148	0.00797	0.516	0.0314	1.1E-05	108	8.4E-05	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	496	0.0255	0.0117	2E-05	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154
2041	2010	1.44	1.87	0.0638	861	0.348	494			4.5E-06	0.0148	0.00797	0.516	0.0314	1.1E-05	108	8.4E-05	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	434	0.0255	0.0117	2E-05	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154
2042	1850	1.26	1.64	0.0557	752	0.348	494			4.5E-06	0.0148	0.00797	0.516	0.0314	1.1E-05	108	8.4E-05	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	379	0.0255	0.0117	2E-05	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154
2043	1710	1.1	1.43	0.0487	657	0.348	494			4.5E-06	0.0148	0.00797	0.516	0.0314	1.1E-05	108	8.4E-05	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	331	0.0255	0.0117	2E-05	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154
2044+	1710	0.01	0.007	0.001	657	0.348	494			4.5E-06	0.0148	0.00797	0.516	0.0314	1.1E-05	108	8.4E-05	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	331	0.0255	0.0117	2E-05	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154
TIRI01																																				
2020																																				
2021	2660	2.83	3.67	0.125	1550	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2022	2660	2.83	3.67	0.125	1550	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2023	2660	2.83	3.67	0.125	1550	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2024	2660	2.83	3.67	0.125	1550	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2025	2660	2.83	3.67	0.125	1550	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2026	2660	2.83	3.67	0.125	1550	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2027	2660	2.83	3.67	0.125	1550	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2028	2380	2.47	3.21	0.109	1350	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	577	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2029	2130	2.16	2.8	0.0955	1180	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	504	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2030	1920	1.89	2.45	0.0835	1030	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	441	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2031	1740	1.65	2.14	0.073	903	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	385	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2032	1570	1.44	1.87	0.0638	789	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	337	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2033	1430	1.26	1.64	0.0557	690	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	294	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2034	1310	1.1	1.43	0.0487	603	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	257	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2035	1200	0.964	1.25	0.0426	527	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	225	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2036	1100	0.843	1.09	0.0372	461	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	196	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2037	1020	0.737	0.955	0.0325	403	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	172	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2038	948	0.644	0.834	0.0284	352	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	150	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2039	885	0.563	0.729	0.0249	308	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	131	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2040	830	0.492	0.637	0.0217	269	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	115	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2041	781	0.43	0.557	0.019	235	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	100	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2042	739	0.376	0.487	0.0166	205	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	87.6	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2043	702	0.328	0.426	0.0145	180	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	76.6	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132
2044+	702	0.01	0.007	0.001	180	0.344	287			5.3E-06	0.0159	0.0119	0.555	0.0529	1.3E-05	63	9.3E-05	0.00408	0.00055	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	76.6	0.0234	0.00671	5.9E-05	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TIRI02																																				
2020	2820	2.83	3.67	0.125	1560	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	674	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2021	2820	2.83	3.67	0.125	1560	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	674	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2022	2540	2.47	3.21	0.109	1360	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	589	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2023	2300	2.16	2.8	0.0955	1190	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	515	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2024	2080	1.89	2.45	0.0835	1040	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	450	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2025	2080	1.89	2.45	0.0835	1040	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	450	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2026	2080	1.89	2.45	0.0835	1040	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	450	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2027	1890	1.65	2.14	0.073	909	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	393	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2028	1730	1.44	1.87	0.0638	794	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	344	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2029	1590	1.26	1.64	0.0557	694	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	301	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2030	1460	1.1	1.43	0.0487	607	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	263	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2031	1350	0.964	1.25	0.0426	530	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	230	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2032	1250	0.843	1.09	0.0372	464	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	201	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2033	1170	0.737	0.955	0.0325	405	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	175	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2034	1100	0.644	0.834	0.0284	354	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	153	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2035	1030	0.563	0.729	0.0249	310	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	134	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2036	978	0.492	0.637	0.0217	271	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	117	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2037	929	0.43	0.557	0.019	237	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	102	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2038	886	0.376	0.487	0.0166	207	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	89.5	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2039	849	0.328	0.426	0.0145	181	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	78.2	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2040	816	0.287	0.372	0.0127	158	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	68.4	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2041	787	0.251	0.325	0.0111	138	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	59.8	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2042	762	0.219	0.284	0.00969	121	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	52.2	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2043	741	0.192	0.248	0.00847	105	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	45.7	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
2044+	741	0.01	0.007	0.001	105	0.344	389			2.8E-06	0.0154	0.0158	0.552	0.0694	1.5E-05	85.3	9.2E-05	0.00511	0.00033	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	45.7	0.0153	0.0071	7.7E-05	0.00342	0.00171	1.56	3.83E-06	0.0121	0.00071
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2037	3000	2.83	3.67	0.125	1680	0.348	325			2.6E-06	0.0098	0.00707	0.518	0.0317	7.2E-06	71.4	6.9E-05	0.00172	0.00042	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	841	0.0135	0.00138	4.7E-05	0.00274	0.00099	0.966	0.0000025	0.00447	0.00093
2038	3000	2.83	3.67	0.125	1680	0.348	325			2.6E-06	0.0098	0.00707	0.518	0.0317	7.2E-06	71.4	6.9E-05	0.00172	0.00042	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	841	0.0135	0.00138	4.7E-05	0.00274	0.00099	0.966	0.0000025	0.00447	0.00093
2039	3000	2.83	3.67	0.125	1680	0.348	325			2.6E-06	0.0098	0.00707	0.518	0.0317	7.2E-06	71.4	6.9E-05	0.00172	0.00042	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	841	0.0135	0.00138	4.7E-05	0.00274	0.00099	0.966	0.0000025	0.00447	0.00093
2040	3000	2.83	3.67	0.125	1680	0.348	325			2.6E-06	0.0098	0.00707	0.518	0.0317	7.2E-06	71.4	6.9E-05	0.00172	0.00042	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	841	0.0135	0.00138	4.7E-05	0.00274	0.00099	0.966	0.0000025	0.00447	0.00093
2041	2690	2.47	3.21	0.109	1470	0.348	325			2.6E-06	0.0098	0.00707	0.518	0.0317	7.2E-06	71.4	6.9E-05	0.00172	0.00042	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	735	0.0135	0.00138	4.7E-05	0.00274	0.00099	0.966	0.0000025	0.00447	0.00093
2042	2410	2.16	2.8	0.0955	1280	0.348	325			2.6E-06	0.0098	0.00707	0.518	0.0317	7.2E-06	71.4	6.9E-05	0.00172	0.00042	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	643	0.0135	0.00138	4.7E-05	0.00274	0.00099	0.966	0.0000025	0.00447	0.00093
2043	2170	1.89	2.45	0.0835	1120	0.348	325			2.6E-06	0.0098	0.00707	0.518	0.0317	7.2E-06	71.4	6.9E-05	0.00172	0.00042	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	562	0.0135	0.00138	4.7E-05	0.00274	0.00099	0.966	0.0000025	0.00447	0.00093
2044+	2170	0.01	0.007	0.001	1120	0.348	325			2.6E-06	0.0098	0.00707	0.518	0.0317	7.2E-06	71.4	6.9E-05	0.00172	0.00042	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	562	0.0135	0.00138	4.7E-05	0.00274	0.00099	0.966	0.0000025	0.00447	0.00093

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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2041	2820	2.83	3.67	0.125	1590	0.345	334			2.4E-06	0.0114	0.00992	0.542	0.0428	9.3E-06	73.2	8.1E-05	0.00223	0.00043	0.00284	0.0115	4.5E-05	23.1	39.5	0.166	0.00536	725	0.0138	0.00166	6.1E-05	0.00311	0.00122	1.22	3.14E-06	0.00574	0.0009
2042	2820	2.83	3.67	0.125	1590	0.345	334			2.4E-06	0.0114	0.00992	0.542	0.0428	9.3E-06	73.2	8.1E-05	0.00223	0.00043	0.00284	0.0115	4.5E-05	23.1	39.5	0.166	0.00536	725	0.0138	0.00166	6.1E-05	0.00311	0.00122	1.22	3.14E-06	0.00574	0.0009
2043	2820	2.83	3.67	0.125	1590	0.345	334			2.4E-06	0.0114	0.00992	0.542	0.0428	9.3E-06	73.2	8.1E-05	0.00223	0.00043	0.00284	0.0115	4.5E-05	23.1	39.5	0.166	0.00536	725	0.0138	0.00166	6.1E-05	0.00311	0.00122	1.22	3.14E-06	0.00574	0.0009
2044+	2820	0.01	0.007	0.001	1590	0.345	334			2.4E-06	0.0114	0.00992	0.542	0.0428	9.3E-06	73.2	8.1E-05	0.00223	0.00043	0.00284	0.0115	4.5E-05	23.1	39.5	0.166	0.00536	725	0.0138	0.00166	6.1E-05	0.00311	0.00122	1.22	3.14E-06	0.00574	0.0009
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2025	2760	2.83	3.67	0.125	1610	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	740	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2026	2760	2.83	3.67	0.125	1610	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	740	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2027	2760	2.83	3.67	0.125	1610	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	740	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2028	2760	2.83	3.67	0.125	1610	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	740	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2029	2460	2.47	3.21	0.109	1400	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	647	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2030	2200	2.16	2.8	0.0955	1230	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	565	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2031	1980	1.89	2.45	0.0835	1070	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	494	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2032	1780	1.65	2.14	0.073	937	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	432	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2033	1610	1.44	1.87	0.0638	819	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	377	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2034	1450	1.26	1.64	0.0557	716	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	330	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2035	1320	1.1	1.43	0.0487	626	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	288	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2036	1210	0.964	1.25	0.0426	547	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	252	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2037	1110	0.843	1.09	0.0372	478	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	220	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2038	1020	0.737	0.955	0.0325	418	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	193	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2039	942	0.644	0.834	0.0284	365	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	168	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2040	874	0.563	0.729	0.0249	319	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	147	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2041	816	0.492	0.637	0.0217	279	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	129	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2042	764	0.43	0.557	0.019	244	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	112	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2043	719	0.376	0.487	0.0166	213	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	98.3	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184
2044+	719	0.01	0.007	0.001	213	0.346	267			8.9E-06	0.0151	0.00811	0.539	0.0259	9.8E-06	58.4	7.6E-05	0.00317	0.00063	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	98.3	0.0315	0.00884	2.5E-05	0.00379	0.00161	0.715	1.15E-06	0.00741	0.00184

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
WES04 (Wesmeg_2)																																				
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2036	2650	2.83	3.67	0.125	1560	0.344	276			8.6E-06	0.0142	0.00829	0.552	0.0211	8.7E-06	60.5	7.9E-05	0.00245	0.00075	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	674	0.0332	0.00711	2.8E-05	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187
2037	2650	2.83	3.67	0.125	1560	0.344	276			8.6E-06	0.0142	0.00829	0.552	0.0211	8.7E-06	60.5	7.9E-05	0.00245	0.00075	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	674	0.0332	0.00711	2.8E-05	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187
2038	2650	2.83	3.67	0.125	1560	0.344	276			8.6E-06	0.0142	0.00829	0.552	0.0211	8.7E-06	60.5	7.9E-05	0.00245	0.00075	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	674	0.0332	0.00711	2.8E-05	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187
2039	2650	2.83	3.67	0.125	1560	0.344	276			8.6E-06	0.0142	0.00829	0.552	0.0211	8.7E-06	60.5	7.9E-05	0.00245	0.00075	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	674	0.0332	0.00711	2.8E-05	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187
2040	2650	2.83	3.67	0.125	1560	0.344	276			8.6E-06	0.0142	0.00829	0.552	0.0211	8.7E-06	60.5	7.9E-05	0.00245	0.00075	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	674	0.0332	0.00711	2.8E-05	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187
2041	2370	2.47	3.21	0.109	1360	0.344	276			8.6E-06	0.0142	0.00829	0.552	0.0211	8.7E-06	60.5	7.9E-05	0.00245	0.00075	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	589	0.0332	0.00711	2.8E-05	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187
2042	2120	2.16	2.8	0.0955	1190	0.344	276			8.6E-06	0.0142	0.00829	0.552	0.0211	8.7E-06	60.5	7.9E-05	0.00245	0.00075	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	515	0.0332	0.00711	2.8E-05	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187
2043	1910	1.89	2.45	0.0835	1040	0.344	276			8.6E-06	0.0142	0.00829	0.552	0.0211	8.7E-06	60.5	7.9E-05	0.00245	0.00075	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	450	0.0332	0.00711	2.8E-05	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187
2044+	1910	0.01	0.007	0.001	1040	0.344	276			8.6E-06	0.0142	0.00829	0.552	0.0211	8.7E-06	60.5	7.9E-05	0.00245	0.00075	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	450	0.0332	0.00711	2.8E-05	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187
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2036	2820	2.83	3.67	0.125	1580	0.345	357			8E-06	0.0135	0.00982	0.545	0.0228	9E-06	78.3	7.5E-05	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	711	0.0294	0.00807	2.6E-05	0.00343	0.00169	0.713	0.000001	0.00678	0.00163
2037	2820	2.83	3.67	0.125	1580	0.345	357			8E-06	0.0135	0.00982	0.545	0.0228	9E-06	78.3	7.5E-05	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	711	0.0294	0.00807	2.6E-05	0.00343	0.00169	0.713	0.000001	0.00678	0.00163
2038	2820	2.83	3.67	0.125	1580	0.345	357			8E-06	0.0135	0.00982	0.545	0.0228	9E-06	78.3	7.5E-05	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	711	0.0294	0.00807	2.6E-05	0.00343	0.00169	0.713	0.000001	0.00678	0.00163
2039	2820	2.83	3.67	0.125	1580	0.345	357			8E-06	0.0135	0.00982	0.545	0.0228	9E-06	78.3	7.5E-05	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	711	0.0294	0.00807	2.6E-05	0.00343	0.00169	0.713	0.000001	0.00678	0.00163
2040	2820	2.83	3.67	0.125	1580	0.345	357			8E-06	0.0135	0.00982	0.545	0.0228	9E-06	78.3	7.5E-05	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	711	0.0294	0.00807	2.6E-05	0.00343	0.00169	0.713	0.000001	0.00678	0.00163
2041	2530	2.47	3.21	0.109	1380	0.345	357			8E-06	0.0135	0.00982	0.545	0.0228	9E-06	78.3	7.5E-05	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	621	0.0294	0.00807	2.6E-05	0.00343	0.00169	0.713	0.000001	0.00678	0.00163
2042	2280	2.16	2.8	0.0955	1210	0.345	357			8E-06	0.0135	0.00982	0.545	0.0228	9E-06	78.3	7.5E-05	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	543	0.0294	0.00807	2.6E-05	0.00343	0.00169	0.713	0.000001	0.00678	0.00163
2043	2060	1.89	2.45	0.0835	1060	0.345	357			8E-06	0.0135	0.00982	0.545	0.0228	9E-06	78.3	7.5E-05	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	475	0.0294	0.00807	2.6E-05	0.00343	0.00169	0.713	0.000001	0.00678	0.00163
2044+	2060	0.01	0.007	0.001	1060	0.345	357			8E-06	0.0135	0.00982	0.545	0.0228	9E-06	78.3	7.5E-05	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	475	0.0294	0.00807	2.6E-05	0.00343	0.00169	0.713	0.000001	0.00678	0.00163

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
WES06 (Wesmeg_04)																																					
2020																																					
2021																																					
2022																																					
2023																																					
2024	3270	2.83	3.67	0.125	1780	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	978	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2025	2920	2.47	3.21	0.109	1560	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	855	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2026	2620	2.16	2.8	0.0955	1360	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	748	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2027	2350	1.89	2.45	0.0835	1190	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	653	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2028	2120	1.65	2.14	0.073	1040	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	571	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2029	1920	1.44	1.87	0.0638	909	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	499	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2030	1740	1.26	1.64	0.0557	794	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	436	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2031	1580	1.1	1.43	0.0487	694	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	381	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2032	1450	0.964	1.25	0.0426	607	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	333	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2033	1330	0.843	1.09	0.0372	530	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	291	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2034	1230	0.737	0.955	0.0325	464	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	255	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2035	1140	0.644	0.834	0.0284	405	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	223	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2036	1060	0.563	0.729	0.0249	354	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	195	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2037	987	0.492	0.637	0.0217	310	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	170	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2038	926	0.43	0.557	0.019	271	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	149	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2039	874	0.376	0.487	0.0166	237	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	130	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2040	827	0.328	0.426	0.0145	207	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	114	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2041	787	0.287	0.372	0.0127	181	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	99.3	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2042	752	0.251	0.325	0.0111	158	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	86.8	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2043	721	0.219	0.284	0.00969	138	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	75.8	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
2044+	721	0.01	0.007	0.001	138	0.351	330			8.9E-06	0.0161	0.00946	0.49	0.0405	1.3E-05	72.2	6.1E-05	0.00595	0.00034	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	75.8	0.0287	0.0152	1.9E-05	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145
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2040	2740	2.83	3.67	0.125	1590	0.345	283			8.8E-06	0.0147	0.00837	0.543	0.0239	9.4E-06	62.1	7.7E-05	0.00294	0.00063	0.00661	0.0174	4.5E-05	22.6	33.5	0.229	0.00604	720	0.0311	0.00831	2.4E-05	0.0037	0.00163	0.683	1.08E-06	0.00684	0.00183
2041	2740	2.83	3.67	0.125	1590	0.345	283			8.8E-06	0.0147	0.00837	0.543	0.0239	9.4E-06	62.1	7.7E-05	0.00294	0.00063	0.00661	0.0174	4.5E-05	22.6	33.5	0.229	0.00604	720	0.0311	0.00831	2.4E-05	0.0037	0.00163	0.683	1.08E-06	0.00684	0.00183
2042	2740	2.83	3.67	0.125	1590	0.345	283			8.8E-06	0.0147	0.00837	0.543	0.0239	9.4E-06	62.1	7.7E-05	0.00294	0.00063	0.00661	0.0174	4.5E-05	22.6	33.5	0.229	0.00604	720	0.0311	0.00831	2.4E-05	0.0037	0.00163	0.683	1.08E-06	0.00684	0.00183
2043	2450	2.47	3.21	0.109	1390	0.345	283			8.8E-06	0.0147	0.00837	0.543	0.0239	9.4E-06	62.1	7.7E-05	0.00294	0.00063	0.00661	0.0174	4.5E-05	22.6	33.5	0.229	0.00604	629	0.0311	0.00831	2.4E-05	0.0037	0.00163	0.683	1.08E-06	0.00684	0.00183
2044+	2450	0.01	0.007	0.001	1390	0.345	283			8.8E-06	0.0147	0.00837	0.543	0.0239	9.4E-06	62.1	7.7E-05	0.00294	0.00063	0.00661	0.0174	4.5E-05	22.6	33.5	0.229	0.00604	629	0.0311	0.00831	2.4E-05	0.0037	0.00163	0.683	1.08E-06	0.00684	0.00183

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	Zn	D-Ra226	T Ag	T Al	T As	T B	T Ba	T Be	T Ca	T Cd	T Co	T Cr	T Cu	T Fe	T Hg	T K	T Mg	T Mn	T Mo	T Na	T Ni	T P	T Pb	T Sb	T Se	T Sr	T Tl	T U	T V	T Zn	T Ra226
Unit	mg/L	Bq/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
DIS01																															
2020																															
2021																															
2022																															
2023																															
2024																															
2025																															
2026																															
2027																															
2028																															
2029																															
2030																															
2031	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2032	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2033	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2034	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2035	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2036	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	586	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2037	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	512	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2038	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	448	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2039	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	391	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2040	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	342	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2041	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	299	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2042	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	261	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2043	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	228	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
2044+	0.0025	0.01	0.00000199	0.0175	0.0085	0.57	0.0676	0.0000156	49.8	0.000106	0.00473	0.00057	0.00278	0.0167	4.5E-05	39.3	26.9	0.227	0.0119	228	0.0166	0.0048	0.0000622	0.00419	0.0016	1.63	0.000005	0.0124	0.000967	0.0025	0.01
FZO01																															
2020																															
2021																															
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2024																															
2025																															
2026																															
2027																															
2028																															
2029																															
2030	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	646	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2031	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	646	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2032	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	646	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2033	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	646	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2034	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	646	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2035	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	564	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2036	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	493	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2037	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	431	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2038	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	377	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2039	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	329	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2040	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	288	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2041	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	252	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2042	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	220	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2043	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	192	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01
2044+	0.0036	0.01	0.00000192	0.0154	0.0048	0.558	0.0189	0.00000717	65	0.0000898	0.00203	0.000803	0.00699	0.0171	4.5E-05	16.8	35.1	0.226	0.00676	192	0.0281	0.0063	0.0000239	0.00398	0.00162	0.609	0.00000146	0.00517	0.00211	0.00357	0.01

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	Zn	D-Ra226	T Ag	T Al	T As	T B	T Ba	T Be	T Ca	T Cd	T Co	T Cr	T Cu	T Fe	T Hg	T K	T Mg	T Mn	T Mo	T Na	T Ni	T P	T Pb	T Sb	T Se	T Sr	T Tl	T U	T V	T Zn	T Ra226
Unit	mg/L	Bq/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
FZO02																															
2020																															
2021																															
2022																															
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2026																															
2027																															
2028																															
2029																															
2030																															
2031																															
2032	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	805	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2033	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	805	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2034	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	805	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2035	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	805	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2036	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	704	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2037	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	615	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2038	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	538	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2039	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	470	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2040	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	411	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2041	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	359	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2042	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	314	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2043	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	274	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
2044+	0.0036	0.01	0.00000344	0.0147	0.0077	0.525	0.0283	0.00000976	113	0.00009	0.00392	0.000593	0.00662	0.0165	4.5E-05	26.8	60.8	0.228	0.00897	274	0.0261	0.0106	0.000019	0.00349	0.00168	0.506	0.00000103	0.00908	0.00163	0.00361	0.01
FZO03																															
2020																															
2021																															
2022																															
2023																															
2024																															
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2031																															
2032																															
2033																															
2034																															
2035	0.0033	0.01	0.00000426	0.0155	0.008	0.507	0.034	0.0000113	96.9	0.0000772	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	892	0.0271	0.0129	0.0000162	0.00324	0.00166	0.496	0.00000092	0.0112	0.00156	0.00331	0.01
2036	0.0033	0.01	0.00000426	0.0155	0.008	0.507	0.034	0.0000113	96.9	0.0000772	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	892	0.0271	0.0129	0.0000162	0.00324	0.00166	0.496	0.00000092	0.0112	0.00156	0.00331	0.01
2037	0.0033	0.01	0.00000426	0.0155	0.008	0.507	0.034	0.0000113	96.9	0.0000772	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	780	0.0271	0.0129	0.0000162	0.00324	0.00166	0.496	0.00000092	0.0112	0.00156	0.00331	0.01
2038	0.0033	0.01	0.00000426	0.0155	0.008	0.507	0.034	0.0000113	96.9	0.0000772	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	682	0.0271	0.0129	0.0000162	0.00324	0.00166	0.496	0.00000092	0.0112	0.00156	0.00331	0.01
2039	0.0033	0.01	0.00000426	0.0155	0.008	0.507	0.034	0.0000113	96.9	0.0000772	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	596	0.0271	0.0129	0.0000162	0.00324	0.00166	0.496	0.00000092	0.0112	0.00156	0.00331	0.01
2040	0.0033	0.01	0.00000426	0.0155	0.008	0.507	0.034	0.0000113	96.9	0.0000772	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	521	0.0271	0.0129	0.0000162	0.00324	0.00166	0.496	0.00000092	0.0112	0.00156	0.00331	0.01
2041	0.0033	0.01	0.00000426	0.0155	0.008	0.507	0.034	0.0000113	96.9	0.0000772	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	455	0.0271	0.0129	0.0000162	0.00324	0.00166	0.496	0.00000092	0.0112	0.00156	0.00331	0.01
2042	0.0033	0.01	0.00000426	0.0155	0.008	0.507	0.034	0.0000113	96.9	0.0000772	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	398	0.0271	0.0129	0.0000162	0.00324	0.00166	0.496	0.00000092	0.0112	0.00156	0.00331	0.01
2043	0.0033	0.01	0.00000426	0.0155	0.008	0.507	0.034	0.0000113	96.9	0.0000772	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	348	0.0271	0.0129	0.0000162	0.00324	0.00166	0.496	0.00000092	0.0112	0.00156	0.00331	0.01
2044+	0.0033	0.01	0.00000426	0.0155	0.008	0.507	0.034	0.0000113	96.9	0.0000772	0.00492	0.00052	0.00638	0.0154	4.5E-05	32.8	52.3	0.231	0.00995	348	0.0271	0.0129	0.0000162	0.00324	0.00166	0.496	0.00000092	0.0112	0.00156	0.00331	0.01

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	Zn	D-Ra226	T Ag	T Al	T As	T B	T Ba	T Be	T Ca	T Cd	T Co	T Cr	T Cu	T Fe	T Hg	T K	T Mg	T Mn	T Mo	T Na	T Ni	T P	T Pb	T Sb	T Se	T Sr	T Tl	T U	T V	T Zn	T Ra226
Unit	mg/L	Bq/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
NOR01																															
2020																															
2021																															
2022																															
2023																															
2024																															
2025																															
2026	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	618	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2027	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	618	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2028	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	618	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2029	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	618	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2030	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	618	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2031	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	540	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2032	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	472	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2033	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	412	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2034	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	360	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2035	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	315	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2036	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	275	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2037	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	241	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2038	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	210	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2039	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	184	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2040	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	161	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2041	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	141	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2042	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	123	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2043	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	107	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
2044+	0.0029	0.01	0.00000753	0.0152	0.0088	0.564	0.0311	0.00000976	53.5	0.0000903	0.0025	0.000706	0.00618	0.0165	4.5E-05	22.8	28.9	0.227	0.00573	107	0.0296	0.0056	0.0000412	0.00413	0.00161	0.978	0.0000021	0.00623	0.00184	0.00294	0.01
PUM01																															
2020																															
2021																															
2022																															
2023																															
2024																															
2025																															
2026																															
2027																															
2028																															
2029	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	875	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2030	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	875	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2031	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	875	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2032	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	764	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2033	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	668	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2034	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	584	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2035	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	510	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2036	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	446	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2037	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	390	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2038	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	341	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2039	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	298	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2040	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	260	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2041	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	228	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2042	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	199	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2043	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	174	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01
2044+	0.0036	0.01	0.00000455	0.0147	0.0088	0.511	0.0327	0.000011	128	0.0000896	0.00475	0.000485	0.00646	0.0164	4.5E-05	31.4	69.2	0.231	0.00994	174	0.0253	0.0124	0.000019	0.00339	0.0017	0.519	9.14E-07	0.0108	0.00146	0.00359	0.01

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	Zn	D-Ra226	T Ag	T Al	T As	T B	T Ba	T Be	T Ca	T Cd	T Co	T Cr	T Cu	T Fe	T Hg	T K	T Mg	T Mn	T Mo	T Na	T Ni	T P	T Pb	T Sb	T Se	T Sr	T Tl	T U	T V	T Zn	T Ra226
Unit	mg/L	Bq/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
PUM02																															
2020																															
2021																															
2022																															
2023																															
2024																															
2025																															
2026																															
2027																															
2028																															
2029																															
2030																															
2031																															
2032	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	822	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2033	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	822	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2034	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	822	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2035	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	822	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2036	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	718	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2037	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	628	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2038	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	549	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2039	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	480	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2040	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	419	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2041	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	366	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2042	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	320	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2043	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	280	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
2044+	0.0037	0.01	0.0000036	0.0146	0.0082	0.522	0.0292	0.0000101	124	0.0000925	0.00412	0.000573	0.00664	0.0167	4.5E-05	27.8	66.8	0.23	0.00926	280	0.0259	0.011	0.0000188	0.00347	0.0017	0.495	9.81E-07	0.0095	0.00157	0.00369	0.01
PUM03																															
2020																															
2021																															
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2023																															
2024																															
2025																															
2026																															
2027																															
2028	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	763	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2029	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	763	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2030	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	763	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2031	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	667	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2032	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	583	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2033	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	510	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2034	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	445	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2035	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	389	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2036	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	340	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2037	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	297	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2038	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	260	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2039	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	227	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2040	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	199	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2041	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	174	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2042	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	152	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2043	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	133	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01
2044+	0.0034	0.01	0.00000366	0.0157	0.0062	0.534	0.0266	0.00000926	75.8	0.0000835	0.00342	0.000637	0.00667	0.0165	4.5E-05	24.7	40.9	0.229	0.00829	133	0.0274	0.0095	0.0000231	0.00375	0.00164	0.628	0.00000129	0.00807	0.00188	0.00339	0.01

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	Zn	D-Ra226	T Ag	T Al	T As	T B	T Ba	T Be	T Ca	T Cd	T Co	T Cr	T Cu	T Fe	T Hg	T K	T Mg	T Mn	T Mo	T Na	T Ni	T P	T Pb	T Sb	T Se	T Sr	T Tl	T U	T V	T Zn	T Ra226
Unit	mg/L	Bq/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
PUM04																															
2020																															
2021																															
2022																															
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2030																															
2031																															
2032																															
2033																															
2034																															
2035	0.0034	0.01	0.00000446	0.0148	0.008	0.516	0.0314	0.0000106	108	0.0000842	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	850	0.0255	0.0117	0.0000198	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154	0.00341	0.01
2036	0.0034	0.01	0.00000446	0.0148	0.008	0.516	0.0314	0.0000106	108	0.0000842	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	850	0.0255	0.0117	0.0000198	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154	0.00341	0.01
2037	0.0034	0.01	0.00000446	0.0148	0.008	0.516	0.0314	0.0000106	108	0.0000842	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	743	0.0255	0.0117	0.0000198	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154	0.00341	0.01
2038	0.0034	0.01	0.00000446	0.0148	0.008	0.516	0.0314	0.0000106	108	0.0000842	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	650	0.0255	0.0117	0.0000198	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154	0.00341	0.01
2039	0.0034	0.01	0.00000446	0.0148	0.008	0.516	0.0314	0.0000106	108	0.0000842	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	568	0.0255	0.0117	0.0000198	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154	0.00341	0.01
2040	0.0034	0.01	0.00000446	0.0148	0.008	0.516	0.0314	0.0000106	108	0.0000842	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	496	0.0255	0.0117	0.0000198	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154	0.00341	0.01
2041	0.0034	0.01	0.00000446	0.0148	0.008	0.516	0.0314	0.0000106	108	0.0000842	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	434	0.0255	0.0117	0.0000198	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154	0.00341	0.01
2042	0.0034	0.01	0.00000446	0.0148	0.008	0.516	0.0314	0.0000106	108	0.0000842	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	379	0.0255	0.0117	0.0000198	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154	0.00341	0.01
2043	0.0034	0.01	0.00000446	0.0148	0.008	0.516	0.0314	0.0000106	108	0.0000842	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	331	0.0255	0.0117	0.0000198	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154	0.00341	0.01
2044+	0.0034	0.01	0.00000446	0.0148	0.008	0.516	0.0314	0.0000106	108	0.0000842	0.00445	0.0005	0.00636	0.016	4.5E-05	29.9	58.5	0.227	0.00946	331	0.0255	0.0117	0.0000198	0.00341	0.00165	0.551	9.96E-07	0.0102	0.00154	0.00341	0.01
TIRI01																															
2020																															
2021	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2022	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2023	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2024	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2025	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2026	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2027	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	660	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2028	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	577	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2029	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	504	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2030	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	441	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2031	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	385	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2032	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	337	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2033	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	294	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2034	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	257	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2035	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	225	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2036	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	196	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2037	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	172	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2038	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	150	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2039	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	131	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2040	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	115	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2041	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	100	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2042	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	87.6	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2043	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	76.6	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01
2044+	0.0026	0.01	0.00000528	0.0159	0.0119	0.555	0.0529	0.0000131	63	0.0000929	0.00408	0.000546	0.00471	0.0144	4.5E-05	34.8	34	0.226	0.0081	76.6	0.0234	0.0067	0.0000588	0.00384	0.00162	1.27	0.0000031	0.00981	0.00132	0.00256	0.01

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	Zn	D-Ra226	T Ag	T Al	T As	T B	T Ba	T Be	T Ca	T Cd	T Co	T Cr	T Cu	T Fe	T Hg	T K	T Mg	T Mn	T Mo	T Na	T Ni	T P	T Pb	T Sb	T Se	T Sr	T Tl	T U	T V	T Zn	T Ra226
Unit	mg/L	Bq/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
TIRI02																															
2020	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	674	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2021	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	674	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2022	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	589	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2023	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	515	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2024	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	450	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2025	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	450	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2026	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	450	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2027	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	393	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2028	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	344	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2029	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	301	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2030	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	263	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2031	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	230	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2032	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	201	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2033	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	175	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2034	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	153	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2035	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	134	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2036	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	117	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2037	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	102	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2038	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	89.5	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2039	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	78.2	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2040	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	68.4	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2041	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	59.8	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2042	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	52.2	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2043	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	45.7	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
2044+	0.0021	0.01	0.00000284	0.0154	0.0158	0.552	0.0694	0.0000153	85.3	0.0000924	0.00511	0.000334	0.00294	0.0151	4.5E-05	42.5	46.1	0.228	0.00994	45.7	0.0153	0.0071	0.0000766	0.00342	0.00171	1.56	0.00000383	0.0121	0.000712	0.0021	0.01
TIRI03																															
2020																															
2021																															
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2033																															
2034																															
2035																															
2036																															
2037	0.0017	0.01	0.00000262	0.0098	0.0071	0.518	0.0317	0.00000721	71.4	0.0000689	0.00172	0.000415	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	841	0.0135	0.0014	0.0000473	0.00274	0.000992	0.966	0.0000025	0.00447	0.00093	0.00165	0.01
2038	0.0017	0.01	0.00000262	0.0098	0.0071	0.518	0.0317	0.00000721	71.4	0.0000689	0.00172	0.000415	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	841	0.0135	0.0014	0.0000473	0.00274	0.000992	0.966	0.0000025	0.00447	0.00093	0.00165	0.01
2039	0.0017	0.01	0.00000262	0.0098	0.0071	0.518	0.0317	0.00000721	71.4	0.0000689	0.00172	0.000415	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	841	0.0135	0.0014	0.0000473	0.00274	0.000992	0.966	0.0000025	0.00447	0.00093	0.00165	0.01
2040	0.0017	0.01	0.00000262	0.0098	0.0071	0.518	0.0317	0.00000721	71.4	0.0000689	0.00172	0.000415	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	841	0.0135	0.0014	0.0000473	0.00274	0.000992	0.966	0.0000025	0.00447	0.00093	0.00165	0.01
2041	0.0017	0.01	0.00000262	0.0098	0.0071	0.518	0.0317	0.00000721	71.4	0.0000689	0.00172	0.000415	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	735	0.0135	0.0014	0.0000473	0.00274	0.000992	0.966	0.0000025	0.00447	0.00093	0.00165	0.01
2042	0.0017	0.01	0.00000262	0.0098	0.0071	0.518	0.0317	0.00000721	71.4	0.0000689	0.00172	0.000415	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	643	0.0135	0.0014	0.0000473	0.00274	0.000992	0.966	0.0000025	0.00447	0.00093	0.00165	0.01
2043	0.0017	0.01	0.00000262	0.0098	0.0071	0.518	0.0317	0.00000721	71.4	0.0000689	0.00172	0.000415	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	562	0.0135	0.0014	0.0000473	0.00274	0.000992	0.966	0.0000025	0.00447	0.00093	0.00165	0.01
2044+	0.0017	0.01	0.00000262	0.0098	0.0071	0.518	0.0317	0.00000721	71.4	0.0000689	0.00172	0.000415	0.00284	0.00925	4.5E-05	17.6	38.6	0.138	0.0043	562	0.0135	0.0014	0.0000473	0.00274	0.000992	0.966	0.0000025	0.00447	0.00093	0.00165	0.01

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	Zn	D-Ra226	T Ag	T Al	T As	T B	T Ba	T Be	T Ca	T Cd	T Co	T Cr	T Cu	T Fe	T Hg	T K	T Mg	T Mn	T Mo	T Na	T Ni	T P	T Pb	T Sb	T Se	T Sr	T Tl	T U	T V	T Zn	T Ra226
Unit	mg/L	Bq/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
TIRI04																															
2020																															
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2038																															
2039																															
2040																															
2041	0.0018	0.01	0.00000241	0.0114	0.0099	0.542	0.0428	0.00000928	73.2	0.0000807	0.00223	0.000432	0.00284	0.0115	4.5E-05	23.1	39.5	0.166	0.00536	725	0.0138	0.0017	0.0000609	0.00311	0.00122	1.22	0.00000314	0.00574	0.000898	0.00181	0.01
2042	0.0018	0.01	0.00000241	0.0114	0.0099	0.542	0.0428	0.00000928	73.2	0.0000807	0.00223	0.000432	0.00284	0.0115	4.5E-05	23.1	39.5	0.166	0.00536	725	0.0138	0.0017	0.0000609	0.00311	0.00122	1.22	0.00000314	0.00574	0.000898	0.00181	0.01
2043	0.0018	0.01	0.00000241	0.0114	0.0099	0.542	0.0428	0.00000928	73.2	0.0000807	0.00223	0.000432	0.00284	0.0115	4.5E-05	23.1	39.5	0.166	0.00536	725	0.0138	0.0017	0.0000609	0.00311	0.00122	1.22	0.00000314	0.00574	0.000898	0.00181	0.01
2044+	0.0018	0.01	0.00000241	0.0114	0.0099	0.542	0.0428	0.00000928	73.2	0.0000807	0.00223	0.000432	0.00284	0.0115	4.5E-05	23.1	39.5	0.166	0.00536	725	0.0138	0.0017	0.0000609	0.00311	0.00122	1.22	0.00000314	0.00574	0.000898	0.00181	0.01
WES01																															
2020																															
2021																															
2022																															
2023																															
2024																															
2025	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	740	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2026	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	740	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2027	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	740	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2028	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	740	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2029	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	647	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2030	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	565	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2031	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	494	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2032	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	432	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2033	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	377	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2034	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	330	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2035	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	288	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2036	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	252	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2037	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	220	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2038	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	193	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2039	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	168	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2040	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	147	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2041	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	129	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2042	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	112	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2043	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	98.3	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01
2044+	0.003	0.01	0.00000888	0.0151	0.0081	0.539	0.0259	0.00000981	58.4	0.0000762	0.00317	0.000626	0.00659	0.0168	4.5E-05	24.3	31.6	0.229	0.00636	98.3	0.0315	0.0088	0.0000246	0.00379	0.00161	0.715	0.00000115	0.00741	0.00184	0.00296	0.01

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	Zn	D-Ra226	T Ag	T Al	T As	T B	T Ba	T Be	T Ca	T Cd	T Co	T Cr	T Cu	T Fe	T Hg	T K	T Mg	T Mn	T Mo	T Na	T Ni	T P	T Pb	T Sb	T Se	T Sr	T Tl	T U	T V	T Zn	T Ra226
Unit	mg/L	Bq/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
WES04 (Wesmeg_2)																															
2020																															
2021																															
2022																															
2023																															
2024																															
2025																															
2026																															
2027																															
2028																															
2029																															
2030																															
2031																															
2032																															
2033																															
2034																															
2035																															
2036	0.003	0.01	0.0000086	0.0142	0.0083	0.552	0.0211	0.00000866	60.5	0.0000791	0.00245	0.000745	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	674	0.0332	0.0071	0.0000282	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187	0.00299	0.01
2037	0.003	0.01	0.0000086	0.0142	0.0083	0.552	0.0211	0.00000866	60.5	0.0000791	0.00245	0.000745	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	674	0.0332	0.0071	0.0000282	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187	0.00299	0.01
2038	0.003	0.01	0.0000086	0.0142	0.0083	0.552	0.0211	0.00000866	60.5	0.0000791	0.00245	0.000745	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	674	0.0332	0.0071	0.0000282	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187	0.00299	0.01
2039	0.003	0.01	0.0000086	0.0142	0.0083	0.552	0.0211	0.00000866	60.5	0.0000791	0.00245	0.000745	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	674	0.0332	0.0071	0.0000282	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187	0.00299	0.01
2040	0.003	0.01	0.0000086	0.0142	0.0083	0.552	0.0211	0.00000866	60.5	0.0000791	0.00245	0.000745	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	674	0.0332	0.0071	0.0000282	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187	0.00299	0.01
2041	0.003	0.01	0.0000086	0.0142	0.0083	0.552	0.0211	0.00000866	60.5	0.0000791	0.00245	0.000745	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	589	0.0332	0.0071	0.0000282	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187	0.00299	0.01
2042	0.003	0.01	0.0000086	0.0142	0.0083	0.552	0.0211	0.00000866	60.5	0.0000791	0.00245	0.000745	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	515	0.0332	0.0071	0.0000282	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187	0.00299	0.01
2043	0.003	0.01	0.0000086	0.0142	0.0083	0.552	0.0211	0.00000866	60.5	0.0000791	0.00245	0.000745	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	450	0.0332	0.0071	0.0000282	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187	0.00299	0.01
2044+	0.003	0.01	0.0000086	0.0142	0.0083	0.552	0.0211	0.00000866	60.5	0.0000791	0.00245	0.000745	0.00642	0.0184	4.5E-05	19.4	32.7	0.228	0.00563	450	0.0332	0.0071	0.0000282	0.00393	0.00164	0.769	0.0000012	0.00586	0.00187	0.00299	0.01
WES05 (Wesmeg_03)																															
2020																															
2021																															
2022																															
2023																															
2024																															
2025																															
2026																															
2027																															
2028																															
2029																															
2030																															
2031																															
2032																															
2033																															
2034																															
2035																															
2036	0.0028	0.01	0.00000798	0.0135	0.0098	0.545	0.0228	0.00000899	78.3	0.0000753	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	711	0.0294	0.0081	0.0000262	0.00343	0.00169	0.713	0.000001	0.00678	0.00163	0.00283	0.01
2037	0.0028	0.01	0.00000798	0.0135	0.0098	0.545	0.0228	0.00000899	78.3	0.0000753	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	711	0.0294	0.0081	0.0000262	0.00343	0.00169	0.713	0.000001	0.00678	0.00163	0.00283	0.01
2038	0.0028	0.01	0.00000798	0.0135	0.0098	0.545	0.0228	0.00000899	78.3	0.0000753	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	711	0.0294	0.0081	0.0000262	0.00343	0.00169	0.713	0.000001	0.00678	0.00163	0.00283	0.01
2039	0.0028	0.01	0.00000798	0.0135	0.0098	0.545	0.0228	0.00000899	78.3	0.0000753	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	711	0.0294	0.0081	0.0000262	0.00343	0.00169	0.713	0.000001	0.00678	0.00163	0.00283	0.01
2040	0.0028	0.01	0.00000798	0.0135	0.0098	0.545	0.0228	0.00000899	78.3	0.0000753	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	711	0.0294	0.0081	0.0000262	0.00343	0.00169	0.713	0.000001	0.00678	0.00163	0.00283	0.01
2041	0.0028	0.01	0.00000798	0.0135	0.0098	0.545	0.0228	0.00000899	78.3	0.0000753	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	621	0.0294	0.0081	0.0000262	0.00343	0.00169	0.713	0.000001	0.00678	0.00163	0.00283	0.01
2042	0.0028	0.01	0.00000798	0.0135	0.0098	0.545	0.0228	0.00000899	78.3	0.0000753	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	543	0.0294	0.0081	0.0000262	0.00343	0.00169	0.713	0.000001	0.00678	0.00163	0.00283	0.01
2043	0.0028	0.01	0.00000798	0.0135	0.0098	0.545	0.0228	0.00000899	78.3	0.0000753	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	475	0.0294	0.0081	0.0000262	0.00343	0.00169	0.713	0.000001	0.00678	0.00163	0.00283	0.01
2044+	0.0028	0.01	0.00000798	0.0135	0.0098	0.545	0.0228	0.00000899	78.3	0.0000753	0.003	0.0006	0.00599	0.0194	4.5E-05	21.2	42.3	0.228	0.00652	475	0.0294	0.0081	0.0000262	0.00343	0.00169	0.713	0.000001	0.00678	0.00163	0.00283	0.01

Appendix B-1: Source Term Inputs

Pit Wall Source Terms

Parameter	Zn	D-Ra226	T Ag	T Al	T As	T B	T Ba	T Be	T Ca	T Cd	T Co	T Cr	T Cu	T Fe	T Hg	T K	T Mg	T Mn	T Mo	T Na	T Ni	T P	T Pb	T Sb	T Se	T Sr	T Tl	T U	T V	T Zn	T Ra226
Unit	mg/L	Bq/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
WES06 (Wesmeg_04)																															
2020																															
2021																															
2022																															
2023																															
2024	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	978	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2025	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	855	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2026	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	748	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2027	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	653	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2028	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	571	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2029	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	499	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2030	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	436	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2031	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	381	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2032	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	333	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2033	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	291	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2034	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	255	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2035	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	223	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2036	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	195	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2037	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	170	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2038	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	149	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2039	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	130	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2040	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	114	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2041	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	99.3	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2042	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	86.8	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2043	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	75.8	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
2044+	0.0027	0.01	0.00000893	0.0161	0.0095	0.49	0.0405	0.0000134	72.2	0.0000606	0.00595	0.000343	0.00598	0.0149	4.5E-05	39.5	39	0.233	0.0101	75.8	0.0287	0.0152	0.0000186	0.00315	0.00163	0.643	8.22E-07	0.0132	0.00145	0.00269	0.01
WES09 (Wesmeg_05)																															
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2040	0.003	0.01	0.00000875	0.0147	0.0084	0.543	0.0239	0.00000937	62.1	0.0000769	0.00294	0.000627	0.00661	0.0174	4.5E-05	22.6	33.5	0.229	0.00604	720	0.0311	0.0083	0.0000235	0.0037	0.00163	0.683	0.00000108	0.00684	0.00183	0.00296	0.01
2041	0.003	0.01	0.00000875	0.0147	0.0084	0.543	0.0239	0.00000937	62.1	0.0000769	0.00294	0.000627	0.00661	0.0174	4.5E-05	22.6	33.5	0.229	0.00604	720	0.0311	0.0083	0.0000235	0.0037	0.00163	0.683	0.00000108	0.00684	0.00183	0.00296	0.01
2042	0.003	0.01	0.00000875	0.0147	0.0084	0.543	0.0239	0.00000937	62.1	0.0000769	0.00294	0.000627	0.00661	0.0174	4.5E-05	22.6	33.5	0.229	0.00604	720	0.0311	0.0083	0.0000235	0.0037	0.00163	0.683	0.00000108	0.00684	0.00183	0.00296	0.01
2043	0.003	0.01	0.00000875	0.0147	0.0084	0.543	0.0239	0.00000937	62.1	0.0000769	0.00294	0.000627	0.00661	0.0174	4.5E-05	22.6	33.5	0.229	0.00604	629	0.0311	0.0083	0.0000235	0.0037	0.00163	0.683	0.00000108	0.00684	0.00183	0.00296	0.01
2044+	0.003	0.01	0.00000875	0.0147	0.0084	0.543	0.0239	0.00000937	62.1	0.0000769	0.00294	0.000627	0.00661	0.0174	4.5E-05	22.6	33.5	0.229	0.00604	629	0.0311	0.0083	0.0000235	0.0037	0.00163	0.683	0.00000108	0.00684	0.00183	0.00296	0.01

Appendix B-1: Source Term Inputs

Mine Facilities, Ore Pad Source Terms

Parameter	TDS	NH3-N	NO3-N	NO2-N	Cl	F	SO4	T-CN	WAD-CN	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Disturbed Footprint																			
	1090	0.676	0.997	0.0304	498	0.127	214	0.001	0.001	0.0000302	0.0097	0.0098	0.378	0.0857	0.000158	59	0.0000586	0.0038	0.002
Mine Facilities																			
	1920	3.85	17.2	0.514	934	0.483	279	0.001	0.001	0.0000172	0.0064	0.0114	0.395	0.0568	0.0000172	76.8	0.000106	0.00498	0.000345
Ore Pad Areas																			
	4530	16.1	52.6	0.86	2300	0.634	511	0.001	0.001	0.0000266	0.0129	0.0678	0.834	0.0824	0.0000255	141	0.000106	0.00505	0.00031

Parameter	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	U	V	Zn
Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Disturbed Footprint																		
	0.0043	0.0197	1E-05	13.9	17.7	0.248	0.0194	327	0.0234	0.0784	0.0004	0.0028	0.0003	2	0.00001	0.0051	0.00798	0.00776
Mine Facilities																		
	0.0027	0.019	1E-05	30.1	23	0.934	0.0027	614	0.0185	0.172	0.0001	0.0004	0.0003	5.5	0.000329	0.0038	0.000232	0.00535
Ore Pad Areas																		
	0.0055	0.0267	1E-05	78.5	42.2	0.849	0.0242	1510	0.0184	0.255	0.0001	0.0022	0.001	7.43	0.000403	0.0037	0.000334	0.00582

Appendix B-1: Source Term Inputs
Pit Wall Source Terms

Criteria	TDS	NH3_N	NO3_N	NO2_N	Cl	F	SO4	T_CN	WAD_CN	D_Ag	D_Al	D_As	D_B	D_Ba	D_Be	D_Ca	D_Cd	D_Co	D_Cr
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Tiriganiaq																			
2020	58000	191.2309613	219.4522706	10.10912571	33966.28217	0.01	3293.700089	0.11143037	0.012498385	0.0005	0.02	0.334854395	1.242816518	0.318610956	0.00007	1667.43567	0.0005	0.00006	0.01
2021	58000	159.2305321	182.7293111	8.417473065	33966.28217	0.01	3293.700089	0.249145009	0.027944897	0.0005	0.02	0.51078835	1.242816518	0.318610956	0.00007	1667.43567	0.0005	0.00006	0.01
2022	58000	140.6669201	161.4261352	7.436136745	33966.28217	0.01	3293.700089	0.254382832	0.028532388	0.0005	0.02	0.532519109	1.242816518	0.318610956	0.00007	1667.43567	0.0005	0.00006	0.01
2023	58000	153.3931634	176.0304805	8.108889696	33966.28217	0.01	3293.700089	0.211676496	0.023742309	0.0005	0.02	0.449340103	1.242816518	0.318610956	0.00007	1667.43567	0.0005	0.00006	0.01
2024	57500	119.179117	136.7672246	6.30021764	33673.46939	0.01	3265.306122	0.176800402	0.019830496	0.0005	0.02	0.383762741	1.232102582	0.32093103	0.00007	1653.061224	0.0005	0.00006	0.01
2025	53500	91.66301656	105.190378	4.845622021	31330.96717	0.01	3038.154392	0.116671933	0.013086295	0.0005	0.02	0.260011698	1.146391098	0.340920326	0.00007	1538.065661	0.0005	0.00006	0.01
2026	50500	50.88033579	58.38910782	2.689709381	29574.09051	0.01	2867.790594	0.078219609	0.00877336	0.0005	0.02	0.177349122	1.082107485	0.357812237	0.00007	1451.818988	0.0005	0.00006	0.01
2027	50500	35.69002502	40.95705515	1.886697358	29574.09051	0.01	2867.790594	0.072359965	0.008116124	0.0005	0.02	0.165354684	1.082107485	0.357812237	0.00007	1451.818988	0.0005	0.00006	0.01
2028	52500	27.02364476	31.01171568	1.428562718	30745.34161	0.01	2981.36646	0.088376442	0.009912583	0.0005	0.02	0.198443499	1.124963227	0.346353729	0.00007	1509.31677	0.0005	0.00006	0.01
2029	54000	20.8674596	23.94701861	1.103125618	31623.77995	0.01	3066.548358	0.088462404	0.009922225	0.0005	0.02	0.205757268	1.157105034	0.338273046	0.00007	1552.440106	0.0005	0.00006	0.01
2030	55000	16.57736474	19.02380403	0.876336462	32209.4055	0.01	3123.336291	0.08794651	0.00986436	0.0005	0.02	0.208754337	1.178532905	0.33311135	0.00007	1581.188997	0.0005	0.00006	0.01
2031	56500	20.05736132	23.01736838	1.060301039	33087.84383	0.01	3208.51819	0.095535472	0.010715563	0.0005	0.02	0.223035048	1.210674711	0.325684256	0.00007	1624.312334	0.0005	0.00006	0.01
2032	57000	16.72546644	19.19376215	0.884165627	33380.65661	0.01	3236.912156	0.089917238	0.010085404	0.0005	0.02	0.217612534	1.221388647	0.323288484	0.00007	1638.686779	0.0005	0.00006	0.01
2033	58000	10.43760109	11.97795191	0.551767458	33966.28217	0.01	3293.700089	0.092472683	0.01037203	0.0005	0.02	0.224171926	1.242816518	0.318610956	0.00007	1667.43567	0.0005	0.00006	0.01
2034	59000	13.81361607	15.85218937	0.730235211	34551.90772	0.01	3350.488021	0.092337171	0.010356831	0.0005	0.02	0.228021361	1.264244389	0.314079346	0.00007	1696.184561	0.0005	0.00006	0.01
2035	59500	15.04295462	17.26295013	0.795222271	34844.7205	0.01	3378.881988	0.093019235	0.010433333	0.0005	0.02	0.233177389	1.274958324	0.311866084	0.00007	1710.559006	0.0005	0.00006	0.01
2036	60500	14.66950378	16.83438649	0.775480376	35430.34605	0.01	3435.66992	0.094467	0.010595719	0.0005	0.02	0.239421659	1.296386195	0.307540531	0.00007	1739.307897	0.0005	0.00006	0.01
2037	61000	15.14208374	17.37670843	0.800462576	35723.15883	0.01	3464.063886	0.071999444	0.008075687	0.0005	0.02	0.212060982	1.307100131	0.305426674	0.00007	1753.682343	0.0005	0.00006	0.01
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2043	-																		
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2020																			
2021	59500	1.583847218	1.817586786	0.083727606	34844.7205	0.01	3378.881988	0.005	0.005	0.0005	0.02	0.005	1.274958324	0.311866084	0.00007	1710.559006	0.0005	0.00006	0.01
2022	59000	25.57752677	29.35218381	1.352115953	34551.90772	0.01	3350.488021	0.005	0.005	0.0005	0.02	0.005	1.264244389	0.314079346	0.00007	1696.184561	0.0005	0.00006	0.01
2023	58000	66.59544257	76.42340436	3.520463925	33966.28217	0.01	3293.700089	0.005	0.005	0.0005	0.02	0.008849918	1.242816518	0.318610956	0.00007	1667.43567	0.0005	0.00006	0.01
2024	59000	53.40224396	61.28319186	2.823026112	34551.90772	0.01	3350.488021	0.005	0.005	0.0005	0.02	0.01179121	1.264244389	0.314079346	0.00007	1696.184561	0.0005	0.00006	0.01
2025	59000	121.0415408	138.9044995	6.398671761	34551.90772	0.01	3350.488021	0.005	0.005	0.0005	0.02	0.031038605	1.264244389	0.314079346	0.00007	1696.184561	0.0005	0.00006	0.01
2026	58500	158.7821839	182.2147969	8.393771835	34259.09494	0.01	3322.094055	0.005	0.005	0.0005	0.02	0.0382009	1.253530453	0.316327354	0.00007	1681.810115	0.0005	0.00006	0.01
2027	57000	127.3208626	146.1105054	6.730618289	33380.65661	0.01	3236.912156	0.005	0.005	0.0005	0.02	0.042715272	1.221388647	0.323288484	0.00007	1638.686779	0.0005	0.00006	0.01
2028	57500	204.4978593	234.6770588	10.81045952	33673.46939	0.01	3265.306122	0.005	0.005	0.0005	0.02	0.05578359	1.232102582	0.32093103	0.00007	1653.061224	0.0005	0.00006	0.01
2029	57500	299.95757	344.2244361	15.85678784	33673.46939	0.01	3265.306122	0.005	0.005	0.0005	0.02	0.101729524	1.232102582	0.32093103	0.00007	1653.061224	0.0005	0.00006	0.01
2030	56500	367.3385487	421.5493037	19.41877791	33087.84383	0.01	3208.51819	0.005	0.005	0.0005	0.02	0.139536811	1.210674711	0.325684256	0.00007	1624.312334	0.0005	0.00006	0.01
2031	50000	215.9163089	247.78061	11.414078	29281.27773	0.01	2839.396628	0.005	0.005	0.0005	0.02	0.116295491	1.07139355	0.360808284	0.00007	1437.444543	0.0005	0.00006	0.01
2032	49500	263.4834498	302.3675712	13.92864052	28988.46495	0.01	2811.002662	0.005	0.005	0.0005	0.02	0.168347793	1.060679614	0.36385991	0.00007	1423.070098	0.0005	0.00006	0.01
2033	50000	218.1217668	250.311543	11.53066609	29281.27773	0.01	2839.396628	0.005	0.005	0.0005	0.02	0.191949931	1.07139355	0.360808284	0.00007	1437.444543	0.0005	0.00006	0.01
2034	49500	169.3701384	194.365291	8.953487492	28988.46495	0.01	2811.002662	0.005	0.005	0.0005	0.02	0.212159262	1.060679614	0.36385991	0.00007	1423.070098	0.0005	0.00006	0.01
2035	49000	143.4749623	164.64858	7.584579502	28695.65217	0.01	2782.608696	0.005	0.005	0.0005	0.02	0.227058111	1.049965679	0.366968722	0.00007	1408.695652	0.0005	0.00006	0.01
2036	47500	160.3949943	184.0656213	8.479030538	27817.21384	0.01	2697.426797	0.005	0.005	0.0005	0.02	0.245497282	1.017823872	0.376655332	0.00007	1365.572316	0.0005	0.00006	0.01
2037	46500	91.84075691	105.3943488	4.855017987	27231.58829	0.01	2640.638864	0.005	0.005	0.0005	0.02	0.256118244	0.996396001	0.383431501	0.00007	1336.823425	0.0005	0.00006	0.01
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2020												0							
2021																0			
2022																0			
2023	49000	15.18528691	17.4262874	0.802746445	28695.65217	0.01	2782.608696	0.005	0.005	0.0005	0.02	0.005	1.049965679	0.311866084	0.00007	1408.695652	0.0005	0.00006	0.01
2024	34500	71.30108603	81.823493	3.769220407	20204.08163	0.01	1959.183673	0.005	0.005	0.0005	0.02	0.009532714	0.739261549	0.314079346	0.00007	991.8367347	0.0005	0.00006	0.01
2025	26500	62.24854021	71.43499879	3.290671729	15519.0772	0.01	1504.880213	0.005	0.005	0.0005	0.02	0.01638616	0.567838581	0.318610956	0.00007	761.8456078	0.0005	0.00006	0.01
2026	26000	204.0252428	234.1346949	10.78547539	15226.26442	0.01	1476.486247	0.005	0.005	0.0005	0.02	0.038839211	0.557124646	0.314079346	0.00007	747.4711624	0.0005	0.00006	0.01
2027	24000	77.38484829	88.8050792	4.090828984	14055.01331	0.01	1362.910382	0.005	0.005	0.0005	0.02	0.047302025	0.514268904	0.314079346	0.00007	689.9733807	0.0005	0.00006	0.01
2028	24000	25.26733478	28.99621458	1.335718138	14055.01331	0.01	1362.910382	0.005	0.005	0.0005	0.02	0.05069259	0.514268904	0.316327354	0.00007	689.9733807	0.0005	0.00006	0.01
2029	24500	218.6708174	250.9416209	11.55969079	14347.82609	0.01	1391.304348	0.005	0.005	0.0005	0.02	0.078347095	0.524982839	0.323288484	0.00007	704.3478261	0.0005	0.00006	0.01
2030	24500	141.741595	162.6594074	7.492947751	14347.82609	0.01	1391.304348	0.005	0.005	0.0005	0.02	0.094325753	0.524982839	0.32093103	0.00007	704.3478261	0.0005	0.00006	0.01
2031	25000	65.48438271	75.14837751	3.461729482	14640.63886	0.01	1419.698314	0.005	0.005	0.0005	0.02	0.101701421	0.535696775	0.32093103	0.00007	718.7222715	0.0005	0.00006	0.01
2032	29000	83.28702479	95.57828175	4.402838315	16983.14108	0.01	1646.850044	0.005	0.005	0.0005	0.02	0.109814656	0.621408259	0.325684256	0.00007	833.717835	0.0005	0.00006	0.01
2033	29500	40.83396127	46.86011855	2.158623503	17275.95386	0.01	1675.244011	0.005	0.005	0.0005	0.02	0.114240057	0.632122194	0.360808284	0.00007	848.0922804	0.0005	0.00006	0.01
2034	29500	10.20849032	11.71502964	0.539655876	17275.95386	0.01	1675.244011	0.005	0.005	0.0005	0.02	0.114240057	0.632122194	0.36385991	0.00007	848.0922804	0.0005	0.00006	0.01
2035	29500	65.70116136	75.39714773	3.473189147	17275.95386	0.01	1675.244011	0.005	0.005	0.0005	0.02	0.122353292	0.632122194	0.360808284	0.00007	848.0922804	0.0005	0.00006	0.01
2036	30000	0	0	0	17568.76664	0.01	1703.637977	0.005	0.005	0.0005	0.02	0.122353292	0.64283613	0.36385991	0.00007	862.4667258	0.0005	0.00006	0.01
2037	30000	217.4894987	249.5859666	11.49724222	17568.76664	0.01	1703.637977	0.005	0.005	0.0005	0.02	0.122353292	0.64283613	0.366968722	0.00007	862.4667258	0.0005	0.00006	0.01
2038	-																		
2039	-																		
2040	-																		
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Appendix B-1: Source Term Inputs
Pit Wall Source Terms

Pump																		
2020												0						
2021	-																	
2022	-																	
2023	-																	
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2029	58500	217.4894987	249.5859666	11.49724222	34259.09494	0.01	3322.094055	0.005	0.005	0.0005	0.02	0.024283895	1.253530453	0.316327354	0.00007	1681.810115	0.0005	0.00006	0.01
2030	56500	124.8827483	143.3125811	6.601731185	33087.84383	0.01	3208.51819	0.005	0.005	0.0005	0.02	0.019772119	1.210674711	0.325684256	0.00007	1624.312334	0.0005	0.00006	0.01
2031	56000	158.3453778	181.7135283	8.370680767	32795.03106	0.01	3180.124224	0.005	0.005	0.0005	0.02	0.033454213	1.199960776	0.328119316	0.00007	1609.937888	0.0005	0.00006	0.01
2032	55000	196.6104581	225.6256579	10.3935044	32209.4055	0.01	3123.336291	0.005	0.005	0.0005	0.02	0.055112465	1.178532905	0.33311135	0.00007	1581.188997	0.0005	0.00006	0.01
2033	52500	144.8896869	166.2720857	7.65936671	30745.34161	0.01	2981.36646	0.005	0.005	0.0005	0.02	0.061563659	1.124963227	0.346353729	0.00007	1509.31677	0.0005	0.00006	0.01
2034	51500	90.02193436	103.3071097	4.758868777	30159.71606	0.01	2924.578527	0.005	0.005	0.0005	0.02	0.070581718	1.103535356	0.351980745	0.00007	1480.567879	0.0005	0.00006	0.01
2035	51500	65.2009292	74.82309276	3.446745156	30159.71606	0.01	2924.578527	0.005	0.005	0.0005	0.02	0.078203242	1.103535356	0.351980745	0.00007	1480.567879	0.0005	0.00006	0.01
2036	-																		
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2020												0						
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2030	-																		
2031	-																		
2032	-																		
2033	-																		
2034	56000	622.9285714	723.3571429	10.85714286	32795.03106	0.01	3180.124224	0.005	0.005	0.0005	0.02	0.030868084	1.199960776	0.328119316	0.00007	1609.937888	0.0005	0.00006	0.01
2035	57500	196.8012333	225.8445871	10.40358942	33673.46939	0.01	3265.306122	0.005	0.005	0.0005	0.02	0.027020531	1.232102582	0.32093103	0.00007	1653.061224	0.0005	0.00006	0.01
2036	58500	128.4390625	147.3937259	6.789730176	34259.09494	0.01	3322.094055	0.005	0.005	0.0005	0.02	0.050733226	1.253530453	0.316327354	0.00007	1681.810115	0.0005	0.00006	0.01
2037	59000	215.6679807	247.4956343	11.40095052	34551.90772	0.01	3350.488021	0.005	0.005	0.0005	0.02	0.076016277	1.264244389	0.314079346	0.00007	1696.184561	0.0005	0.00006	0.01
2038	59000	210.427574	241.4818636	11.12392462	34551.90772	0.01	3350.488021	0.005	0.005	0.0005	0.02	0.080400455	1.264244389	0.314079346	0.00007	1696.184561	0.0005	0.00006	0.01
2039	59000	138.2750211	158.6812467	7.309692748	34551.90772	0.01	3350.488021	0.005	0.005	0.0005	0.02	0.091832741	1.264244389	0.314079346	0.00007	1696.184561	0.0005	0.00006	0.01
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2043	-																		
Discovery																			
2020												0						
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2024	-																		
2025	-																		
2026	56500	622.9285714	723.3571429	10.85714286	33087.84383	0.01	3208.51819	0.005	0.005	0.0005	0.02	0.015143538	1.210674711	0.325684256	0.00007	1624.312334	0.0005	0.00006	0.01
2027	58000	79.52977546	91.26654849	4.204217205	33966.28217	0.01	3293.700089	0.005	0.005	0.0005	0.02	0.02213186	1.242816518	0.318610956	0.00007	1667.43567	0.0005	0.00006	0.01
2028	57500	131.0081568	150.3419597	6.925541329	33673.46939	0.01	3265.306122	0.005	0.005	0.0005	0.02	0.022813805	1.232102582	0.32093103	0.00007	1653.061224	0.0005	0.00006	0.01
2029	58000	98.32271202	112.832892	5.197676406	33966.28217	0.01	3293.700089	0.005	0.005	0.0005	0.02	0.035282594	1.242816518	0.318610956	0.00007	1667.43567	0.0005	0.00006	0.01
2030	58500	95.737352	109.865992	5.061005392	34259.09494	0.01	3322.094055	0.005	0.005	0.0005	0.02	0.042197283	1.253530453	0.316327354	0.00007	1681.810115	0.0005	0.00006	0.01
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Appendix B-1: Source Term Inputs
Pit Wall Source Terms

Wolf																		
2020												0						
2021	-																	
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2032	-																	
2033	-																	
2034																		
2035	47500	622.9285714	723.3571429	10.85714286	27817.21384	0.01	2697.426797	0.005	0.005	0.0005	0.02	0.054726761	1.017823872	0.376655332	0.00007	1365.572316	0.0005	0.00006	0.01
2036	47000	622.9285714	723.3571429	10.85714286	27524.40106	0.01	2669.032831	0.005	0.005	0.0005	0.02	0.029837282	1.007109937	0.380010292	0.00007	1351.19787	0.0005	0.00006	0.01
2037	45000	1763.418465	2047.716867	30.73496235	26353.14996	0.01	2555.456965	0.005	0.005	0.0005	0.02	0.033888596	0.964254195	0.394113469	0.00007	1293.700089	0.0005	0.00006	0.01
2038	44000	108.985961	125.0697922	5.761372387	25767.5244	0.01	2498.669033	0.005	0.005	0.0005	0.02	0.040378442	0.942826324	0.401605842	0.00007	1264.951198	0.0005	0.00006	0.01
2039	45500	62.50384773	71.72798385	3.304168162	26645.96273	0.01	2583.850932	0.005	0.005	0.0005	0.02	0.039348903	0.97496813	0.390480916	0.00007	1308.074534	0.0005	0.00006	0.01
2040	43500	217.6027126	249.7158883	11.5032271	25474.71162	0.01	2470.275067	0.005	0.005	0.0005	0.02	0.045975194	0.932112388	0.405470597	0.00007	1250.576752	0.0005	0.00006	0.01
2041	43000	180.6923539	207.3584061	9.552018708	25181.89885	0.01	2441.8811	0.005	0.005	0.0005	0.02	0.041766062	0.921398453	0.409417874	0.00007	1236.202307	0.0005	0.00006	0.01
2042	41000	97.60751557	112.0121489	5.159868664	24010.64774	0.01	2328.305235	0.005	0.005	0.0005	0.02	0.041766062	0.878542711	0.426089167	0.00007	1178.704525	0.0005	0.00006	0.01
2043	39500	95.15030948	109.1923155	5.029972307	23132.20941	0.01	2243.123336	0.005	0.005	0.0005	0.02	0.041766062	0.846400904	0.439607404	0.00007	1135.581189	0.0005	0.00006	0.01

Appendix B-1: Source Term Inputs
Pit Wall Source Terms

Criteria	D_Cu	D_Fe	D_Hg	D_K	D_Mg	D_Mn	D_Mo	D_Na	D_Ni	D_P	D_Pb	D_Sb	D_Se	D_Sr	D_Tl	D_U	D_V	D_Zn	D-Ra226
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Tiriganiaq																			
2020	0.003	0.07	0.00001	480.1597161	126.2536325	0.26	0.205828772	15542.14729	0.05	0.066	0.0002	0.025	0.019259162	42.81810115	0.00005	0.00016	0.0133	0.1	0.290702415
2021	0.003	0.07	0.00001	480.1597161	126.2536325	0.26	0.250211716	15542.14729	0.05	0.066	0.0002	0.025	0.022738912	42.81810115	0.00005	0.00016	0.0133	0.1	0.290702415
2022	0.003	0.07	0.00001	480.1597161	126.2536325	0.26	0.265174786	15542.14729	0.05	0.066	0.0002	0.025	0.024155939	42.81810115	0.00005	0.00016	0.0133	0.1	0.290702415
2023	0.003	0.07	0.00001	480.1597161	126.2536325	0.26	0.226148268	15542.14729	0.05	0.066	0.0002	0.025	0.020632033	42.81810115	0.00005	0.00016	0.0133	0.1	0.290702415
2024	0.003	0.07	0.00001	476.0204082	125.1652391	0.26	0.196352234	15408.16327	0.05	0.066	0.0002	0.025	0.017955038	42.44897959	0.00005	0.00016	0.0133	0.1	0.28819636
2025	0.003	0.07	0.00001	442.905945	116.4580921	0.26	0.135544607	14336.29104	0.05	0.066	0.0002	0.025	0.012426435	39.4960071	0.00005	0.00016	0.0133	0.1	0.268147917
2026	0.003	0.07	0.00001	418.0700976	109.9277318	0.26	0.093547864	13532.38687	0.05	0.066	0.0002	0.025	0.0085899	37.28127773	0.00005	0.00016	0.0133	0.1	0.253111585
2027	0.003	0.07	0.00001	418.0700976	109.9277318	0.26	0.087679725	13532.38687	0.05	0.066	0.0002	0.025	0.008056709	37.28127773	0.00005	0.00016	0.0133	0.1	0.253111585
2028	0.003	0.07	0.00001	434.6273292	114.2813053	0.26	0.103987563	14068.32298	0.05	0.066	0.0002	0.025	0.009540058	38.75776398	0.00005	0.00016	0.0133	0.1	0.263135807
2029	0.003	0.07	0.00001	447.0452529	117.5464854	0.26	0.110374107	14470.27507	0.05	0.066	0.0002	0.025	0.010157601	39.86512866	0.00005	0.00016	0.0133	0.1	0.270653973
2030	0.003	0.07	0.00001	455.3238687	119.7232722	0.26	0.113435072	14738.24312	0.05	0.066	0.0002	0.025	0.010456878	40.60337178	0.00005	0.00016	0.0133	0.1	0.275666083
2031	0.003	0.07	0.00001	467.7417924	122.9884524	0.26	0.119928528	15140.19521	0.05	0.066	0.0002	0.025	0.011040345	41.71073647	0.00005	0.00016	0.0133	0.1	0.283184249
2032	0.003	0.07	0.00001	471.8811003	124.0768457	0.26	0.119666921	15274.17924	0.05	0.066	0.0002	0.025	0.011048292	42.07985803	0.00005	0.00016	0.0133	0.1	0.285690304
2033	0.003	0.07	0.00001	480.1597161	126.2536325	0.26	0.123398728	15542.14729	0.05	0.066	0.0002	0.025	0.011394305	42.81810115	0.00005	0.00016	0.0133	0.1	0.290702415
2034	0.003	0.07	0.00001	488.4383319	128.4304193	0.26	0.126905716	15810.11535	0.05	0.066	0.0002	0.025	0.011734493	43.55634428	0.00005	0.00016	0.0133	0.1	0.295714526
2035	0.003	0.07	0.00001	492.5776398	129.5188127	0.26	0.130907562	15944.09938	0.05	0.066	0.0002	0.025	0.01211773	43.92546584	0.00005	0.00016	0.0133	0.1	0.298220581
2036	0.003	0.07	0.00001	500.8562555	131.6955994	0.26	0.135253311	16212.06744	0.05	0.066	0.0002	0.025	0.012529715	44.66370896	0.00005	0.00016	0.0133	0.1	0.303232691
2037	0.003	0.07	0.00001	504.9955634	132.7839928	0.26	0.129197165	16346.05146	0.05	0.066	0.0002	0.025	0.012076661	45.03283052	0.00005	0.00016	0.0133	0.1	0.305738747
2038																			
2039																			
2040																			
2041																			
2042																			
2043																			
Wesmeg																			
2020																			
2021	0.003	0.07	0.00001	492.5776398	129.5188127	0.26	0.05	15944.09938	0.05	0.066	0.0002	0.025	0.005	43.92546584	0.00005	0.00016	0.0133	0.1	0.298220581
2022	0.003	0.07	0.00001	488.4383319	128.4304193	0.26	0.05	15810.11535	0.05	0.066	0.0002	0.025	0.005	43.55634428	0.00005	0.00016	0.0133	0.1	0.295714526
2023	0.003	0.07	0.00001	480.1597161	126.2536325	0.26	0.05	15542.14729	0.05	0.066	0.0002	0.025	0.005	42.81810115	0.00005	0.00016	0.0133	0.1	0.290702415
2024	0.003	0.07	0.00001	488.4383319	128.4304193	0.26	0.05	15810.11535	0.05	0.066	0.0002	0.025	0.005	43.55634428	0.00005	0.00016	0.0133	0.1	0.295714526
2025	0.003	0.07	0.00001	488.4383319	128.4304193	0.26	0.05	15810.11535	0.05	0.066	0.0002	0.025	0.005	43.55634428	0.00005	0.00016	0.0133	0.1	0.295714526
2026	0.003	0.07	0.00001	484.299024	127.3420259	0.26	0.05	15676.13132	0.05	0.066	0.0002	0.025	0.005	43.18722272	0.00005	0.00016	0.0133	0.1	0.29320847
2027	0.003	0.07	0.00001	471.8811003	124.0768457	0.26	0.05	15274.17924	0.05	0.066	0.0002	0.025	0.005	42.07985803	0.00005	0.00016	0.0133	0.1	0.285690304
2028	0.003	0.07	0.00001	476.0204082	125.1652391	0.26	0.05	15408.16327	0.05	0.066	0.0002	0.025	0.005	42.44897959	0.00005	0.00016	0.0133	0.1	0.28819636
2029	0.003	0.07	0.00001	476.0204082	125.1652391	0.26	0.089795423	15408.16327	0.05	0.066	0.0002	0.025	0.00868988	42.44897959	0.00005	0.00016	0.0133	0.1	0.28819636
2030	0.003	0.07	0.00001	467.7417924	122.9884524	0.26	0.123167458	15140.19521	0.05	0.066	0.0002	0.025	0.011919431	41.71073647	0.00005	0.00016	0.0133	0.1	0.283184249
2031	0.003	0.07	0.00001	413.9307897	108.8393384	0.26	0.102652626	13398.40284	0.05	0.066	0.0002	0.025	0.009934125	36.91215617	0.00005	0.00016	0.0133	0.1	0.25060553
2032	0.003	0.07	0.00001	409.7914818	107.750945	0.26	0.148598564	13264.41881	0.05	0.066	0.0002	0.025	0.014380506	36.54303461	0.00005	0.00016	0.0133	0.1	0.248099475
2033	0.003	0.07	0.00001	413.9307897	108.8393384	0.26	0.169431887	13398.40284	0.05	0.066	0.0002	0.025	0.016396634	36.91215617	0.00005	0.00016	0.0133	0.1	0.25060553
2034	0.003	0.07	0.00001	409.7914818	107.750945	0.26	0.187270419	13264.41881	0.05	0.066	0.0002	0.025	0.018122944	36.54303461	0.00005	0.00016	0.0133	0.1	0.248099475
2035	0.003	0.07	0.00001	405.6521739	106.6625516	0.26	0.200421454	13130.43478	0.05	0.066	0.0002	0.025	0.019395625	36.17391304	0.00005	0.00016	0.0133	0.1	0.24559342
2036	0.003	0.07	0.00001	393.2342502	103.3973714	0.26	0.216697487	12728.4827	0.05	0.066	0.0002	0.025	0.020970725	35.06654836	0.00005	0.00016	0.0133	0.1	0.238075254
2037	0.003	0.07	0.00001	384.9556344	101.2205847	0.26	0.226072482	12460.51464	0.05	0.066	0.0002	0.025	0.021877982	34.32830524	0.00005	0.00016	0.0133	0.1	0.233063143
2038																			
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West Normeg																			
2020																			
2021				0				0						0					
2022				0				0						0					
2023	0.003	0.07	0.00001	405.6521739	106.6625516	0.26	0.05	13130.43478	0.05	0.066	0.0002	0.025	0.005	36.17391304	0.00005	0.00016	0.0133	0.1	0.24559342
2024	0.003	0.07	0.00001	285.6122449	75.09914347	0.26	0.05	9244.897959	0.05	0.066	0.0002	0.025	0.005	25.46938776	0.00005	0.00016	0.0133	0.1	0.172917816
2025	0.003	0.07	0.00001	219.3833185	57.68484933	0.26	0.05	7101.153505	0.05	0.066	0.0002	0.025	0.005	19.56344277	0.00005	0.00016	0.0133	0.1	0.132820931
2026	0.003	0.07	0.00001	215.2440106	56.59645595	0.26	0.05	6967.169476	0.05	0.066	0.0002	0.025	0.005	19.19432121	0.00005	0.00016	0.0133	0.1	0.130314876
2027	0.003	0.07	0.00001	198.6867791	52.24288242	0.26	0.05	6431.233363	0.05	0.066	0.0002	0.025	0.005	17.71783496	0.00005	0.00016	0.0133	0.1	0.120290654
2028	0.003	0.07	0.00001	198.6867791	52.24288242	0.26	0.05	6431.233363	0.05	0.066	0.0002	0.025	0.005	17.71783496	0.00005	0.00016	0.0133	0.1	0.120290654
2029	0.003	0.07	0.00001	202.826087	53.3312758	0.26	0.069156034	6565.217391	0.05	0.066	0.0002	0.025	0.006692519	18.08695652	0.00005	0.00016	0.0133	0.1	0.12279671
2030	0.003	0.07	0.00001	202.826087	53.3312758	0.26	0.083260203	6565.217391	0.05	0.066	0.0002	0.025	0.008057439	18.08695652	0.00005	0.00016	0.0133	0.1	0.12279671
2031	0.003	0.07	0.00001	206.9653949	54.41966918	0.26	0.089770616	6699.20142	0.05	0.066	0.0002	0.025	0.008687479	18.45607808	0.00005	0.00016	0.0133	0.1	0.125302765
2032	0.003	0.07	0.00001	240.079858	63.12681625	0.26	0.096932071	7771.073647	0.05	0.066	0.0002	0.025	0.009380523	21.40905058	0.00005	0.00016	0.0133	0.1	0.145351207
2033	0.003	0.07	0.00001	244.2191659	64.21520964	0.26	0.100838319	7905.057675	0.05	0.066	0.0002	0.025	0.009758547	21.77817214	0.00005	0.00016	0.0133	0.1	0.147857263
2034	0.003	0.07	0.00001	244.2191659	64.21520964	0.26	0.100838319	7905.057675	0.05	0.066	0.0002	0.025	0.009758547	21.77817214	0.00005	0.00016	0.0133	0.1	0.147857263
2035	0.003	0.07	0.00001	244.2191659	64.21520964	0.26	0.107999773	7905.057675	0.05	0.066	0.0002	0.025	0.010451591	21.77817214	0.00005	0.00016	0.0133	0.1	0.147857263
2036	0.003	0.07	0.00001	248.3584738	65.30360302	0.26	0.107999773	8039.041704	0.05	0.066	0.0002	0.025	0.010451591	22.1472937	0.00005	0.00016	0.0133	0.1	0.150363318
2037	0.003	0.07	0.00001	248.3584738	65.30360302	0.26	0.107999773	8039.041704	0.05	0.066	0.0002	0.025	0.010451591	22.1472937	0.00005	0.00016	0.0133	0.1	0.150363318
2038																			
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Appendix B-1: Source Term Inputs
Pit Wall Source Terms

Pump																			
2020																			
2021																			
2022																			
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2026																			
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2028																			
2029	0.003	0.07	0.00001	484.299024	127.3420259	0.26	0.05	15676.13132	0.05	0.066	0.0002	0.025	0.005	43.18722272	0.00005	0.00016	0.0133	0.1	0.29320847
2030	0.003	0.07	0.00001	467.7417924	122.9884524	0.26	0.05	15140.19521	0.05	0.066	0.0002	0.025	0.005	41.71073647	0.00005	0.00016	0.0133	0.1	0.283184249
2031	0.003	0.07	0.00001	463.6024845	121.900059	0.26	0.05	15006.21118	0.05	0.066	0.0002	0.025	0.005	41.34161491	0.00005	0.00016	0.0133	0.1	0.280678194
2032	0.003	0.07	0.00001	455.3238687	119.7232722	0.26	0.05	14738.24312	0.05	0.066	0.0002	0.025	0.005	40.60337178	0.00005	0.00016	0.0133	0.1	0.275666083
2033	0.003	0.07	0.00001	434.6273292	114.2813053	0.26	0.054341498	14068.32298	0.05	0.066	0.0002	0.025	0.005258855	38.75776398	0.00005	0.00016	0.0133	0.1	0.263135807
2034	0.003	0.07	0.00001	426.3487134	112.1045185	0.26	0.062301631	13800.35492	0.05	0.066	0.0002	0.025	0.00602919	38.01952085	0.00005	0.00016	0.0133	0.1	0.258123696
2035	0.003	0.07	0.00001	426.3487134	112.1045185	0.26	0.069029058	13800.35492	0.05	0.066	0.0002	0.025	0.006680231	38.01952085	0.00005	0.00016	0.0133	0.1	0.258123696
2036																			
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2034	0.003	0.07	0.00001	463.6024845	121.900059	0.26	0.05	15006.21118	0.05	0.066	0.0002	0.025	0.005	41.34161491	0.00005	0.00016	0.0133	0.04	0.280678194
2035	0.003	0.07	0.00001	476.0204082	125.1652391	0.26	0.05	15408.16327	0.05	0.066	0.0002	0.025	0.005	42.44897959	0.00005	0.00016	0.0133	0.04	0.28819636
2036	0.003	0.07	0.00001	484.299024	127.3420259	0.26	0.05	15676.13132	0.05	0.066	0.0002	0.025	0.005	43.18722272	0.00005	0.00016	0.0133	0.04	0.29320847
2037	0.003	0.07	0.00001	488.4383319	128.4304193	0.26	0.06709865	15810.11535	0.05	0.066	0.0002	0.025	0.006493418	43.55634428	0.00005	0.00016	0.0133	0.04	0.295714526
2038	0.003	0.07	0.00001	488.4383319	128.4304193	0.26	0.070968511	15810.11535	0.05	0.066	0.0002	0.025	0.00686792	43.55634428	0.00005	0.00016	0.0133	0.04	0.295714526
2039	0.003	0.07	0.00001	488.4383319	128.4304193	0.26	0.081059652	15810.11535	0.05	0.066	0.0002	0.025	0.007844482	43.55634428	0.00005	0.00016	0.0133	0.04	0.295714526
2040																			
2041																			
2042																			
2043																			
Discovery																			
2020																			
2021																			
2022																			
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2025																			
2026	0.003	0.07	0.00001	467.7417924	122.9884524	0.26	0.05	15140.19521	0.05	0.066	0.0002	0.025	0.005	41.71073647	0.00005	0.00016	0.0133	0.04	0.283184249
2027	0.003	0.07	0.00001	480.1597161	126.2536325	0.26	0.05	15542.14729	0.05	0.066	0.0002	0.025	0.005	42.81810115	0.00005	0.00016	0.0133	0.04	0.290702415
2028	0.003	0.07	0.00001	476.0204082	125.1652391	0.26	0.05	15408.16327	0.05	0.066	0.0002	0.025	0.005	42.44897959	0.00005	0.00016	0.0133	0.04	0.28819636
2029	0.003	0.07	0.00001	480.1597161	126.2536325	0.26	0.05	15542.14729	0.05	0.066	0.0002	0.025	0.005	42.81810115	0.00005	0.00016	0.0133	0.04	0.290702415
2030	0.003	0.07	0.00001	484.299024	127.3420259	0.26	0.05	15676.13132	0.05	0.066	0.0002	0.025	0.005	43.18722272	0.00005	0.00016	0.0133	0.04	0.29320847
2031																			
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Appendix B-1: Source Term Inputs
Pit Wall Source Terms

Wolf																		
2020																		
2021																		
2022																		
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2026																		
2027																		
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2033																		
2034																		
2035	0.003	0.07	0.00001	393.2342502	103.3973714	0.26	0.05	12728.4827	0.05	0.066	0.0002	0.025	0.005	35.06654836	0.00005	0.00016	0.0133	0.04	0.238075254
2036	0.003	0.07	0.00001	389.0949423	102.3089781	0.26	0.05	12594.49867	0.05	0.066	0.0002	0.025	0.005	34.6974268	0.00005	0.00016	0.0133	0.04	0.235569198
2037	0.003	0.07	0.00001	372.5377107	97.95540453	0.26	0.05	12058.56256	0.05	0.066	0.0002	0.025	0.005	33.22094055	0.00005	0.00016	0.0133	0.04	0.225544977
2038	0.003	0.07	0.00001	364.2590949	95.77861776	0.26	0.05	11790.5945	0.05	0.066	0.0002	0.025	0.005	32.48269743	0.00005	0.00016	0.0133	0.04	0.220532866
2039	0.003	0.07	0.00001	376.6770186	99.04379791	0.26	0.05	12192.54658	0.05	0.066	0.0002	0.025	0.005	33.59006211	0.00005	0.00016	0.0133	0.04	0.228051032
2040	0.003	0.07	0.00001	360.119787	94.69022438	0.26	0.05	11656.61047	0.05	0.066	0.0002	0.025	0.005	32.11357587	0.00005	0.00016	0.0133	0.04	0.218026811
2041	0.003	0.07	0.00001	355.9804791	93.601831	0.26	0.05	11522.62644	0.05	0.066	0.0002	0.025	0.005	31.7444543	0.00005	0.00016	0.0133	0.04	0.215520756
2042	0.003	0.07	0.00001	339.4232476	89.24825746	0.26	0.05	10986.69033	0.05	0.066	0.0002	0.025	0.005	30.26796806	0.00005	0.00016	0.0133	0.04	0.205496535
2043	0.003	0.07	0.00001	327.0053239	85.98307731	0.26	0.05	10584.73824	0.05	0.066	0.0002	0.025	0.005	29.16060337	0.00005	0.00016	0.0133	0.04	0.197978369

Appendix D: Water Quality Results

APPENDIX D.1: END OF PIPE RESULTS

APPENDIX D.2: OPEN PITS, NATURAL LAKES AND COLLECTION PONDS

APPENDIX D.3: CONJOINED PIT LAKES

AGNICO EAGLE

APPENDIX D.1: END OF PIPE RESULTS

Appendix D.1-1: EWTP-Dissolved

Constituents	**Total Dissolved**	**Ammonia**	**Nitrate**	**Nitrite**	**Chloride**	**Fluoride**	**Sulphate**	**Total Cyanide**	**Weakly Acid**	**Silver**	**Aluminum**	**Arsenic**	**Boron**	**Barium**	**Beryllium**	**Calcium**	**Cadmium**	**Cobalt**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	337	1.04	2.3	0.0404	157	0.0688	49.2	0.000835	0.000539	0.00000436	0.00587	0.00383	0.0829	0.0143	0.00000631	21.1	0.0000266	0.000794
Operations (2020-2043): Mean	837	2.32	6.33	0.134	389	0.17	129	0.00142	0.000895	0.0000084	0.00906	0.00811	0.192	0.0326	0.0000119	45.7	0.0000545	0.00199
Operations (2020-2043): Max	1780	5.13	17.5	0.356	857	0.354	250	0.00263	0.00115	0.0000151	0.0126	0.0193	0.35	0.0566	0.0000201	82.5	0.0000957	0.00479
NWB Water License/MDMER	***3500***	***14***	-	-	-	-	-	***0.5***	-	-	-	-	-	-	-	-	-	-
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2043)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	935	2.13	12.9	0.219	439	0.219	134	0.000908	0.000817	0.00000925	0.00637	0.00709	0.197	0.0414	0.0000107	47.4	0.0000575	0.00248
2020 Jul	1130	3.01	13.5	0.229	534	0.234	160	0.00149	0.000919	0.0000104	0.00804	0.011	0.229	0.0458	0.0000135	57.1	0.0000661	0.00303
2020 Aug	1280	3.67	15.2	0.237	606	0.243	178	0.00197	0.000979	0.0000111	0.00904	0.0141	0.249	0.0487	0.0000154	64.6	0.0000712	0.00343
2020 Sep	1490	4.68	16.2	0.245	708	0.257	206	0.00249	0.000987	0.0000117	0.0103	0.0186	0.286	0.0519	0.0000176	73.7	0.0000782	0.00401
2020 Oct	981	3.16	10.5	0.156	470	0.162	135	0.00175	0.000615	0.00000752	0.00657	0.0127	0.183	0.0321	0.0000115	48.3	0.0000496	0.00264
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	1310	3.66	15.3	0.258	625	0.261	184	0.00174	0.000867	0.0000109	0.00817	0.0137	0.26	0.0433	0.0000142	60.7	0.0000702	0.00348
2021 Jul	1490	4.16	16.7	0.295	715	0.297	210	0.00203	0.000988	0.0000125	0.00915	0.0158	0.293	0.0485	0.0000162	69.1	0.0000797	0.00398
2021 Aug	1610	4.57	17.5	0.308	771	0.309	224	0.00235	0.00105	0.0000134	0.00976	0.0178	0.308	0.0509	0.0000175	75	0.0000841	0.00431
2021 Sep	1670	4.86	17.4	0.309	801	0.311	232	0.00256	0.00106	0.0000136	0.0101	0.0193	0.315	0.0516	0.0000182	78	0.0000857	0.00448
2021 Oct	1120	3.31	11.3	0.203	537	0.204	155	0.00177	0.000693	0.00000898	0.0067	0.0132	0.209	0.034	0.0000122	52.3	0.0000566	0.00301
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	1570	4.41	15	0.309	754	0.313	222	0.00214	0.000998	0.000013	0.00939	0.0168	0.31	0.0489	0.0000167	71.7	0.0000832	0.00421
2022 Jul	1420	3.75	12.9	0.302	681	0.304	203	0.00173	0.000982	0.0000125	0.00868	0.0137	0.289	0.0452	0.0000151	63.7	0.0000794	0.0038
2022 Aug	1530	4.14	13.8	0.317	734	0.319	217	0.00201	0.00104	0.0000133	0.00927	0.0154	0.306	0.0478	0.0000164	69.2	0.000084	0.0041
2022 Sep	1590	4.46	14.2	0.319	763	0.322	225	0.00222	0.00105	0.0000136	0.00967	0.0169	0.315	0.0491	0.0000172	72.4	0.0000861	0.00428
2022 Oct	1060	3.08	9.46	0.207	511	0.209	150	0.00157	0.000686	0.0000089	0.0065	0.0117	0.209	0.0324	0.0000116	48.7	0.0000568	0.00286
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	1420	3.78	12.5	0.308	681	0.309	203	0.00167	0.000948	0.0000124	0.00839	0.0131	0.292	0.0468	0.000015	64.3	0.00008	0.00378
2023 Jul	1600	4.42	14	0.336	770	0.336	227	0.0021	0.00105	0.0000139	0.00946	0.0159	0.322	0.0514	0.0000171	73.3	0.0000886	0.00429
2023 Aug	1720	4.85	15	0.35	826	0.349	242	0.00242	0.00111	0.0000147	0.0101	0.0179	0.339	0.0541	0.0000185	79.2	0.0000934	0.00461
2023 Sep	1780	5.13	15.5	0.356	857	0.354	250	0.00263	0.00114	0.0000151	0.0105	0.0192	0.348	0.0553	0.0000193	82.5	0.0000957	0.00479
2023 Oct	1170	3.42	10.2	0.231	565	0.23	165	0.0018	0.000746	0.00000993	0.00691	0.013	0.227	0.0361	0.0000128	54.6	0.0000624	0.00316
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	1400	3.77	12.2	0.306	672	0.307	200	0.00172	0.000993	0.0000127	0.00864	0.0129	0.29	0.0495	0.000015	66.1	0.0000807	0.00373
2024 Jul	1540	4.16	13.4	0.332	736	0.333	219	0.00195	0.00109	0.0000138	0.00948	0.0144	0.316	0.0538	0.0000166	72.6	0.0000878	0.00409
2024 Aug	1630	4.51	14.1	0.343	780	0.344	231	0.0022	0.00114	0.0000145	0.0101	0.0161	0.33	0.0562	0.0000177	77.4	0.0000919	0.00435
2024 Sep	1670	4.79	14.4	0.339	798	0.342	235	0.00243	0.00115	0.0000147	0.0105	0.0175	0.334	0.0566	0.0000184	79.8	0.0000928	0.00448
2024 Oct	1040	3.01	8.97	0.208	496	0.21	146	0.00155	0.00071	0.00000907	0.00653	0.0111	0.207	0.0349	0.0000115	49.7	0.0000573	0.00278
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-1: EWTP-Dissolved

Constituents	Total Dissolved	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2025 Jun	1390	3.93	12.1	0.296	666	0.304	199	0.00183	0.00102	0.0000126	0.00936	0.0133	0.294	0.0482	0.0000154	65.3	0.0000815	0.0037
2025 Jul	1330	3.61	11.6	0.293	636	0.299	191	0.00169	0.00105	0.0000126	0.00926	0.0121	0.284	0.0461	0.0000149	61.6	0.0000801	0.00353
2025 Aug	1430	3.99	12.4	0.304	681	0.311	204	0.00196	0.0011	0.0000133	0.00994	0.0138	0.3	0.0486	0.0000161	66.6	0.0000845	0.0038
2025 Sep	1500	4.39	12.9	0.304	712	0.315	214	0.00219	0.00112	0.0000135	0.0106	0.0155	0.314	0.0503	0.000017	70.3	0.0000874	0.00399
2025 Oct	1020	3.06	8.81	0.202	487	0.21	147	0.00155	0.000716	0.00000895	0.00705	0.0111	0.213	0.0336	0.0000116	48.2	0.0000584	0.00275
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	1080	3.23	8.84	0.215	509	0.243	161	0.00125	0.000869	0.00000996	0.00929	0.00947	0.263	0.0429	0.0000145	51.6	0.0000693	0.00271
2026 Jul	543	1.41	3.29	0.078	253	0.113	79.5	0.00123	0.000987	0.00000898	0.0089	0.00526	0.138	0.0335	0.0000191	34.8	0.0000426	0.00134
2026 Aug	613	1.79	3.88	0.0788	285	0.116	88.5	0.00156	0.00104	0.0000095	0.00964	0.00717	0.148	0.0349	0.00002	39.1	0.0000453	0.00155
2026 Sep	712	2.41	4.73	0.0829	332	0.13	103	0.00184	0.00108	0.00000982	0.0108	0.00923	0.176	0.0364	0.0000201	43.8	0.0000504	0.00176
2026 Oct	503	1.86	3.53	0.0589	236	0.095	73.5	0.0012	0.000661	0.0000061	0.00729	0.00638	0.131	0.0229	0.0000116	29.1	0.0000345	0.00117
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	869	2.81	6.91	0.158	406	0.197	131	0.00126	0.000879	0.00000898	0.00968	0.00805	0.229	0.0352	0.0000135	43	0.0000607	0.0021
2027 Jul	435	1.27	2.77	0.0628	204	0.102	63.2	0.00113	0.000976	0.0000076	0.00908	0.00414	0.122	0.0243	0.0000123	27.2	0.0000401	0.000969
2027 Aug	500	1.59	3.26	0.064	234	0.105	71.5	0.00143	0.00104	0.00000818	0.00984	0.00586	0.131	0.026	0.0000134	31.3	0.000043	0.00117
2027 Sep	685	2.48	4.8	0.0811	321	0.133	99.4	0.00181	0.00106	0.00000898	0.0112	0.00891	0.179	0.0299	0.0000148	40	0.0000516	0.00162
2027 Oct	539	2.02	4.01	0.0634	254	0.0968	76.8	0.00148	0.000706	0.00000637	0.00764	0.00771	0.129	0.0206	0.0000102	31	0.000036	0.00133
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	917	2.84	7.44	0.17	431	0.205	136	0.00152	0.000958	0.00000973	0.00991	0.00917	0.226	0.0345	0.0000134	45.7	0.0000625	0.00232
2028 Jul	444	1.27	2.9	0.0661	209	0.105	64.6	0.00116	0.000977	0.00000759	0.00913	0.00423	0.122	0.0227	0.0000117	26.7	0.0000406	0.001
2028 Aug	463	1.38	2.97	0.0633	218	0.105	66.8	0.00131	0.00104	0.000008	0.00976	0.00487	0.125	0.0237	0.0000126	28.4	0.0000421	0.00107
2028 Sep	514	1.64	3.32	0.0631	241	0.109	74.3	0.00155	0.0011	0.00000841	0.0106	0.0063	0.135	0.0256	0.0000134	32.1	0.0000449	0.00124
2028 Oct	362	1.24	2.47	0.0439	169	0.0757	53.5	0.00101	0.00064	0.00000507	0.00664	0.00454	0.0946	0.0168	0.0000081	22.1	0.0000285	0.000885
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	739	2.55	5.51	0.116	333	0.184	122	0.0012	0.00088	0.00000804	0.0112	0.00735	0.235	0.0338	0.0000125	40.2	0.0000598	0.0018
2029 Jul	434	1.21	2.9	0.0701	199	0.11	67.1	0.00102	0.000925	0.0000072	0.00886	0.00383	0.126	0.023	0.0000112	26.2	0.0000408	0.00101
2029 Aug	382	1.12	2.3	0.0465	177	0.0872	56.6	0.00122	0.000976	0.00000707	0.00904	0.00419	0.106	0.021	0.0000114	25	0.000037	0.000896
2029 Sep	453	1.46	2.88	0.0508	209	0.0958	67.2	0.00146	0.00101	0.00000742	0.00961	0.00563	0.121	0.0227	0.0000119	29	0.0000397	0.00111
2029 Oct	337	1.1	2.3	0.0404	157	0.0688	49.2	0.00106	0.000664	0.00000504	0.0063	0.00434	0.0829	0.0156	0.00000779	21.1	0.0000266	0.000858
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	761	2.24	5.95	0.143	348	0.191	122	0.00115	0.000881	0.00000844	0.00953	0.00698	0.216	0.0326	0.0000116	39.8	0.0000582	0.00196
2030 Jul	413	1.09	2.63	0.0629	190	0.101	63.1	0.00108	0.000945	0.000007	0.00868	0.00383	0.114	0.0228	0.0000103	26.4	0.0000391	0.000977
2030 Aug	435	1.27	2.67	0.0519	200	0.0937	65.3	0.00133	0.000989	0.00000715	0.00923	0.00481	0.114	0.0228	0.0000109	28.5	0.0000393	0.00104
2030 Sep	530	1.65	3.33	0.0594	244	0.108	80.3	0.00157	0.00105	0.00000776	0.0101	0.00636	0.136	0.0253	0.000012	33.7	0.000044	0.0013
2030 Oct	447	1.42	3	0.0511	209	0.0825	65.8	0.00127	0.00071	0.0000056	0.0069	0.00547	0.101	0.0178	0.00000853	26.8	0.000031	0.0011
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	828	2.33	6.31	0.148	378	0.197	133	0.00135	0.000921	0.0000089	0.00964	0.00805	0.221	0.0384	0.0000122	47.2	0.0000603	0.0022

Appendix D.1-1: EWTP-Dissolved

Constituents	Total Dissolved	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2031 Jul	494	1.24	2.84	0.0657	223	0.113	76.7	0.00119	0.00103	0.00000763	0.00949	0.00445	0.131	0.0333	0.0000115	37	0.0000433	0.00111
2031 Aug	572	1.59	3.39	0.0688	259	0.12	88.7	0.00145	0.00107	0.0000081	0.0102	0.00602	0.147	0.0352	0.0000126	41.5	0.0000469	0.00137
2031 Sep	770	2.33	4.58	0.0846	346	0.16	129	0.00153	0.000992	0.00000827	0.0114	0.00793	0.217	0.0366	0.0000136	48.8	0.0000574	0.00171
2031 Oct	603	1.88	3.62	0.0642	273	0.12	102	0.00102	0.000589	0.00000532	0.00778	0.00566	0.167	0.0223	0.00000887	34.5	0.0000407	0.00119
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	1050	3.2	7.41	0.163	461	0.265	193	0.0012	0.000803	0.00000894	0.0126	0.00991	0.35	0.0433	0.0000141	56.6	0.000082	0.00259
2032 Jul	670	1.79	3.87	0.0842	303	0.142	113	0.00103	0.000839	0.0000069	0.00956	0.00487	0.183	0.0245	0.0000107	36.7	0.0000509	0.00119
2032 Aug	650	1.73	3.33	0.0653	296	0.126	109	0.0011	0.000854	0.0000066	0.00965	0.00471	0.173	0.0219	0.0000102	35.8	0.0000482	0.001
2032 Sep	717	1.99	3.77	0.0673	326	0.133	120	0.00131	0.000887	0.00000693	0.0101	0.00583	0.184	0.0231	0.0000108	39.6	0.0000505	0.0012
2032 Oct	456	1.28	2.44	0.0426	208	0.0824	75.6	0.000871	0.000556	0.00000436	0.00627	0.00386	0.113	0.0144	0.00000672	25.3	0.0000311	0.000794
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	878	2.36	6.2	0.146	388	0.216	156	0.00115	0.000802	0.00000825	0.00999	0.00826	0.263	0.0403	0.0000117	50.9	0.000067	0.00229
2033 Jul	653	1.57	3.19	0.0674	292	0.124	110	0.00106	0.000882	0.00000661	0.00929	0.00462	0.163	0.0317	0.00000987	43.1	0.0000481	0.00107
2033 Aug	654	1.59	2.98	0.0578	293	0.116	109	0.00117	0.000929	0.00000667	0.00967	0.00468	0.158	0.0318	0.00001	44.3	0.0000476	0.001
2033 Sep	806	2.15	4.15	0.0772	361	0.152	139	0.00136	0.000914	0.00000728	0.0108	0.00685	0.211	0.0338	0.0000113	50.6	0.0000567	0.00148
2033 Oct	531	1.45	3.02	0.0581	240	0.104	90.1	0.000909	0.000566	0.00000475	0.00679	0.00464	0.134	0.0198	0.00000718	31.5	0.0000354	0.00105
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	781	2.05	5.16	0.118	347	0.183	136	0.00116	0.000822	0.00000762	0.00968	0.00693	0.218	0.0352	0.0000108	46.9	0.0000575	0.00186
2034 Jul	690	1.69	3.44	0.0711	306	0.134	120	0.00113	0.000884	0.00000676	0.00984	0.00517	0.175	0.032	0.0000103	45.2	0.0000503	0.0012
2034 Aug	707	1.73	3.26	0.0631	315	0.129	122	0.0012	0.000932	0.00000686	0.0103	0.0051	0.174	0.032	0.0000104	46.8	0.0000507	0.0011
2034 Sep	880	2.27	4.32	0.0805	390	0.168	159	0.00134	0.000902	0.00000735	0.0116	0.00717	0.235	0.0346	0.0000116	54.3	0.0000616	0.00154
2034 Oct	636	1.67	3.26	0.0592	284	0.118	113	0.000932	0.000554	0.0000048	0.00759	0.00515	0.162	0.0208	0.00000755	36.6	0.0000411	0.00111
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	827	2.06	5.45	0.13	367	0.196	147	0.00111	0.000806	0.00000782	0.00972	0.00704	0.234	0.0345	0.0000108	47.4	0.0000616	0.00196
2035 Jul	613	1.34	2.86	0.0639	273	0.118	106	0.001	0.000872	0.00000645	0.00916	0.004	0.148	0.0262	0.00000955	38.7	0.000046	0.000956
2035 Aug	617	1.41	2.76	0.0548	275	0.111	107	0.00118	0.000926	0.00000661	0.00967	0.0046	0.146	0.0263	0.00000985	40.1	0.0000464	0.00101
2035 Sep	921	2.09	4.08	0.0757	409	0.16	168	0.00132	0.000864	0.00000704	0.0109	0.00702	0.222	0.0295	0.0000111	53.1	0.0000592	0.00151
2035 Oct	689	1.53	2.96	0.0535	307	0.114	126	0.000885	0.000544	0.00000463	0.00735	0.00491	0.16	0.0192	0.00000728	38	0.0000411	0.00104
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	1050	2.55	6.11	0.133	456	0.229	197	0.00135	0.000822	0.00000834	0.0117	0.00939	0.298	0.0378	0.0000127	58.6	0.0000741	0.00241
2036 Jul	865	1.84	3.75	0.0877	388	0.141	152	0.00113	0.00087	0.00000681	0.0101	0.00525	0.184	0.025	0.0000104	46.8	0.000053	0.00128
2036 Aug	848	1.83	3.46	0.0831	382	0.129	147	0.0012	0.000919	0.00000679	0.0103	0.005	0.17	0.0238	0.0000105	46.2	0.0000504	0.0012
2036 Sep	937	2.22	4.22	0.101	419	0.152	166	0.00139	0.000928	0.00000727	0.0112	0.00675	0.205	0.0277	0.0000116	51.6	0.0000565	0.00166
2036 Oct	632	1.56	3.02	0.0806	283	0.107	113	0.000835	0.000539	0.00000452	0.00716	0.00451	0.142	0.0185	0.00000727	33.9	0.0000365	0.00121
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	862	2.14	5.77	0.146	380	0.197	152	0.00123	0.000827	0.0000081	0.00966	0.00805	0.232	0.0405	0.0000113	52.6	0.0000616	0.00233
2037 Jul	758	1.83	3.77	0.0999	342	0.131	127	0.00111	0.000883	0.00000684	0.0097	0.00538	0.167	0.0339	0.0000103	47.8	0.0000482	0.0014

Appendix D.1-1: EWTP-Dissolved

Constituents	Total Dissolved	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2037 Aug	804	2.03	3.95	0.0986	366	0.131	133	0.00125	0.00092	0.00000707	0.0103	0.006	0.173	0.0344	0.0000108	50.5	0.0000498	0.00147
2037 Sep	891	2.36	4.63	0.105	405	0.146	149	0.00146	0.00095	0.00000761	0.011	0.00745	0.198	0.0361	0.0000117	55	0.0000548	0.00175
2037 Oct	565	1.5	3.11	0.0685	259	0.0989	93.5	0.00093	0.000605	0.00000498	0.00697	0.00475	0.128	0.0218	0.00000729	33.9	0.0000349	0.00111
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	770	1.85	5.43	0.137	348	0.179	128	0.00118	0.000874	0.00000816	0.00877	0.00696	0.195	0.0391	0.0000104	48.5	0.0000554	0.00203
2038 Jul	617	1.44	3.28	0.0758	282	0.118	99.5	0.00112	0.000962	0.0000071	0.00932	0.00485	0.142	0.0348	0.00000952	44.1	0.0000452	0.00111
2038 Aug	691	1.74	3.78	0.0784	317	0.124	110	0.00139	0.00103	0.00000765	0.0102	0.00621	0.154	0.037	0.0000106	48.9	0.0000488	0.00138
2038 Sep	795	2.15	4.54	0.0852	366	0.138	128	0.00164	0.00105	0.00000814	0.0109	0.00783	0.178	0.0377	0.0000116	53.6	0.0000533	0.0017
2038 Oct	541	1.5	3.18	0.0576	250	0.0936	86.6	0.00112	0.000671	0.00000532	0.00715	0.00535	0.12	0.0233	0.00000759	35	0.0000348	0.00116
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	817	1.99	5.64	0.136	356	0.213	154	0.0012	0.000853	0.00000844	0.0105	0.00817	0.257	0.0371	0.0000116	49	0.0000666	0.00226
2039 Jul	690	1.69	4.24	0.0956	313	0.146	119	0.00118	0.000893	0.00000741	0.00943	0.00594	0.176	0.0259	0.0000101	40.1	0.0000517	0.00145
2039 Aug	663	1.73	3.87	0.0763	306	0.126	112	0.0013	0.000897	0.00000704	0.0091	0.00586	0.158	0.0225	0.00000979	38.3	0.0000456	0.00126
2039 Sep	617	1.63	3.49	0.0662	285	0.118	104	0.00131	0.000919	0.00000691	0.009	0.00561	0.148	0.0215	0.00000946	36.5	0.0000424	0.00114
2039 Oct	411	1.14	2.44	0.0433	190	0.0763	68.2	0.000959	0.000607	0.00000458	0.00591	0.00405	0.0957	0.0143	0.00000631	24.6	0.0000273	0.000851
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jun	712	1.61	5.4	0.143	328	0.175	114	0.0011	0.000905	0.00000839	0.00788	0.0059	0.174	0.0327	0.00000989	41.1	0.0000515	0.00185
2040 Jul	465	1.04	2.74	0.0662	213	0.101	72.8	0.00105	0.000941	0.00000686	0.00807	0.00409	0.11	0.0286	0.00000875	33.9	0.000038	0.000979
2040 Aug	510	1.32	3.04	0.0621	235	0.0993	78.4	0.00129	0.000985	0.00000715	0.00874	0.00511	0.116	0.0296	0.00000945	37.3	0.0000397	0.00115
2040 Sep	631	1.85	3.97	0.0721	292	0.114	96.8	0.00154	0.001	0.00000771	0.00948	0.00658	0.143	0.0303	0.0000103	42.6	0.0000442	0.00143
2040 Oct	415	1.22	2.64	0.0479	193	0.0742	63.6	0.000984	0.000619	0.00000484	0.00587	0.00425	0.0916	0.0185	0.00000645	27.1	0.0000276	0.000933
2040 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jun	875	2.7	7.04	0.165	409	0.202	135	0.00119	0.000877	0.00000916	0.00918	0.00692	0.228	0.0304	0.0000105	44.5	0.0000596	0.00191
2041 Jul	572	1.47	3.71	0.0868	268	0.122	89.7	0.00104	0.000891	0.00000714	0.00846	0.00453	0.14	0.0219	0.0000086	32	0.0000434	0.00107
2041 Aug	521	1.31	2.91	0.0617	246	0.102	82.3	0.00111	0.000921	0.00000678	0.00889	0.00446	0.126	0.0202	0.00000843	30.5	0.0000409	0.000895
2041 Sep	598	1.67	3.54	0.0674	282	0.111	94.1	0.00133	0.000949	0.00000717	0.00949	0.00567	0.143	0.0216	0.00000918	34.6	0.0000442	0.00115
2041 Oct	448	1.33	2.79	0.0495	211	0.0793	70.2	0.00101	0.000623	0.0000049	0.00644	0.0045	0.103	0.0149	0.00000641	25.5	0.0000306	0.000942
2041 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jun	796	2.29	6.08	0.142	374	0.173	121	0.00126	0.000901	0.00000846	0.00889	0.00661	0.191	0.0274	0.00001	40.4	0.0000541	0.00181
2042 Jul	541	1.38	3.45	0.0805	250	0.116	85.9	0.00115	0.000942	0.00000712	0.0087	0.00455	0.13	0.0223	0.0000089	31.5	0.000043	0.00115
2042 Aug	617	1.77	3.95	0.0787	284	0.119	98.9	0.00143	0.000954	0.00000721	0.00902	0.00614	0.141	0.0237	0.0000098	36.2	0.0000437	0.00146
2042 Sep	689	2.1	4.51	0.0815	315	0.127	110	0.00167	0.000966	0.0000074	0.00923	0.00733	0.153	0.0253	0.0000105	40.5	0.000044	0.00172
2042 Oct	458	1.43	3.02	0.0518	209	0.0826	73.6	0.00115	0.000624	0.00000479	0.00601	0.00504	0.1	0.0166	0.00000693	27.3	0.0000279	0.00118
2042 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jun	830	2.21	6.35	0.157	386	0.182	126	0.0012	0.000889	0.00000825	0.00802	0.00693	0.185	0.0346	0.0000103	44	0.0000527	0.00207
2043 Jul	523	1.3	3.29	0.0775	233	0.114	84.4	0.0012	0.000983	0.00000705	0.00843	0.00475	0.12	0.0311	0.00000926	37.3	0.0000406	0.00126
2043 Aug	590	1.62	3.78	0.0791	262	0.119	95	0.00146	0.00103	0.00000745	0.00914	0.00612	0.132	0.0331	0.0000103	41.7	0.0000435	0.00153
2043 Sep	709	2.19	4.66	0.0833	315	0.132	116	0.0018	0.00106	0.00000782	0.0101	0.00818	0.159	0.0353	0.0000116	48	0.0000479	0.0019
2043 Oct	484	1.49	3.21	0.0579	214	0.0928	81.2	0.00118	0.000681	0.00000515	0.00663	0.00546	0.112	0.0225	0.00000759	32	0.000032	0.00128
2043 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-1: EWTP-Dissolved

Constituents	**Chromium**	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	0.000189	0.00115	0.0285	0.00000546	5.02	8.06	0.107	0.000981	89.7	0.00471	0.0123	0.000194	0.000503	0.000213	0.435	0.0000153	0.000589	0.000363	0.00155	0.000871
Operations (2020-2043): Mean	0.000382	0.00211	0.0799	0.0000105	12.6	17.1	0.293	0.00199	238	0.00967	0.092	0.000534	0.000963	0.000425	1.43	0.0000701	0.00185	0.000841	0.00286	0.00206
Operations (2020-2043): Max	0.0006	0.00325	0.151	0.0000143	29.4	32.3	0.733	0.00366	542	0.0165	0.725	0.00141	0.00208	0.000824	3.8	0.000213	0.00387	0.00135	0.00455	0.00382
NWB Water License/MDMER	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	***2***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Note: Calculation excludes zero value																				
Model Predictions (2020-2043)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0.000394	0.00176	0.0887	0.00000836	15.4	13.7	0.426	0.00173	285	0.00925	0.725	0.000483	0.000503	0.00028	2.35	0.000131	0.00213	0.00065	0.00307	0.00227
2020 Jul	0.000426	0.00196	0.0882	0.00000902	18.8	19.4	0.469	0.00219	339	0.0107	0.618	0.000553	0.000697	0.000388	2.46	0.000133	0.00266	0.000745	0.00335	0.00251
2020 Aug	0.000449	0.00209	0.0879	0.00000926	21.3	23.9	0.505	0.00244	379	0.0117	0.687	0.000594	0.000799	0.000459	2.54	0.000135	0.00298	0.000799	0.0035	0.00266
2020 Sep	0.00046	0.00227	0.0764	0.00000907	25.1	30.1	0.539	0.00298	438	0.0131	0.629	0.000669	0.00103	0.000593	2.61	0.000133	0.00364	0.000827	0.00356	0.00293
2020 Oct	0.000276	0.00142	0.0415	0.00000546	16.5	20.5	0.351	0.00189	288	0.00849	0.384	0.000391	0.000638	0.000384	1.66	0.0000852	0.00233	0.00049	0.00222	0.00186
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0.000338	0.00202	0.0521	0.00000825	21.7	23	0.516	0.00241	395	0.012	0.654	0.000424	0.000728	0.000439	2.73	0.000149	0.00304	0.000531	0.00337	0.00283
2021 Jul	0.000373	0.00227	0.056	0.00000929	24.6	26.3	0.594	0.00266	451	0.0136	0.642	0.000446	0.000787	0.000486	3.13	0.000172	0.00338	0.000581	0.00384	0.00321
2021 Aug	0.000391	0.00238	0.0566	0.00000959	26.4	29.2	0.635	0.00278	484	0.0144	0.629	0.000456	0.000818	0.000521	3.27	0.000181	0.00356	0.000613	0.00403	0.00336
2021 Sep	0.000394	0.00242	0.0541	0.0000095	27.4	31.2	0.649	0.00286	500	0.0148	0.555	0.000466	0.000852	0.000551	3.29	0.000181	0.00368	0.00062	0.00404	0.00341
2021 Oct	0.000258	0.00159	0.0338	0.00000612	18.4	21.4	0.43	0.00191	335	0.00987	0.328	0.000308	0.000572	0.000374	2.16	0.000118	0.00246	0.000406	0.00264	0.00225
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0.000357	0.00234	0.0469	0.00000928	26.1	27.9	0.624	0.00277	476	0.0144	0.342	0.000428	0.000828	0.000514	3.29	0.000182	0.00358	0.000541	0.00398	0.00339
2022 Jul	0.00032	0.0022	0.0452	0.00000943	23.5	23.3	0.59	0.00247	436	0.0134	0.211	0.00035	0.000724	0.000433	3.22	0.000181	0.00322	0.000482	0.00394	0.00323
2022 Aug	0.00034	0.00232	0.0462	0.00000977	25.3	26	0.63	0.00261	468	0.0143	0.213	0.000364	0.000762	0.000467	3.39	0.000191	0.00341	0.000514	0.00414	0.0034
2022 Sep	0.000352	0.00238	0.0451	0.00000972	26.3	28.1	0.644	0.00272	484	0.0147	0.201	0.000389	0.00082	0.000501	3.41	0.00019	0.00356	0.000539	0.00416	0.00346
2022 Oct	0.000235	0.00157	0.0285	0.00000623	17.7	19.4	0.423	0.00183	323	0.0098	0.123	0.000268	0.000566	0.000346	2.21	0.000122	0.00239	0.000363	0.0027	0.00227
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0.000352	0.00223	0.0492	0.00000909	23.5	23.1	0.602	0.00246	437	0.0136	0.136	0.000385	0.000734	0.000427	3.29	0.000185	0.00322	0.000508	0.0039	0.00328
2023 Jul	0.000386	0.00245	0.0513	0.00000981	26.5	27.4	0.672	0.00271	491	0.0151	0.14	0.000414	0.000812	0.000486	3.59	0.000202	0.00356	0.000568	0.00427	0.00359
2023 Aug	0.000408	0.00258	0.0524	0.0000102	28.4	30.5	0.713	0.00286	525	0.0161	0.143	0.000435	0.000863	0.000526	3.74	0.00021	0.00377	0.000608	0.00447	0.00375
2023 Sep	0.000418	0.00264	0.0521	0.0000102	29.4	32.3	0.733	0.00294	542	0.0165	0.143	0.000445	0.000891	0.000551	3.8	0.000213	0.00387	0.000629	0.00455	0.00382
2023 Oct	0.000273	0.00172	0.0331	0.0000066	19.4	21.7	0.48	0.00192	357	0.0108	0.0917	0.000288	0.000582	0.000365	2.47	0.000138	0.00253	0.000412	0.00295	0.00249
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0.00041	0.00234	0.0673	0.00000953	23.2	23.2	0.607	0.00241	431	0.0137	0.109	0.000469	0.000754	0.000431	3.27	0.000184	0.00313	0.000619	0.00396	0.00325
2024 Jul	0.000445	0.00254	0.0723	0.0000103	25.4	25.7	0.663	0.00261	471	0.0149	0.118	0.000505	0.000818	0.000472	3.55	0.000199	0.0034	0.000674	0.00431	0.00353
2024 Aug	0.000465	0.00265	0.0741	0.0000107	26.9	28.1	0.696	0.00274	498	0.0157	0.121	0.000526	0.000863	0.000506	3.68	0.000206	0.00358	0.000713	0.00448	0.00366
2024 Sep	0.00047	0.00267	0.0724	0.0000106	27.7	30.1	0.7	0.00281	507	0.016	0.117	0.000541	0.000908	0.000536	3.63	0.000202	0.00367	0.000733	0.00446	0.00366
2024 Oct	0.000289	0.00165	0.0437	0.00000647	17.2	19	0.432	0.00175	315	0.0099	0.0713	0.000333	0.000567	0.000336	2.23	0.000124	0.00228	0.000451	0.00274	0.00225
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-1: EWTP-Dissolved

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Jun	0.000388	0.00236	0.0608	0.00000979	23.3	23.7	0.587	0.0025	427	0.0138	0.0989	0.000457	0.000844	0.000458	3.16	0.000175	0.00321	0.000607	0.00396	0.00322
2025 Jul	0.000359	0.00228	0.0593	0.0000102	22.2	21.7	0.569	0.00237	409	0.0133	0.0972	0.000401	0.000789	0.00042	3.12	0.000175	0.00304	0.000574	0.00401	0.00314
2025 Aug	0.000378	0.0024	0.0608	0.0000106	23.8	24.3	0.602	0.00252	437	0.0141	0.1	0.000426	0.000848	0.000459	3.24	0.000181	0.00325	0.000613	0.00419	0.00328
2025 Sep	0.000394	0.00249	0.0601	0.0000106	25.2	26.8	0.611	0.00273	455	0.0146	0.098	0.000483	0.000964	0.000518	3.24	0.000178	0.00349	0.000653	0.00422	0.00336
2025 Oct	0.000259	0.00166	0.0352	0.00000664	17.3	19	0.413	0.00188	310	0.00992	0.0643	0.000317	0.000652	0.00036	2.17	0.000118	0.0024	0.000416	0.00274	0.00226
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0.000402	0.00222	0.0678	0.00000937	18.5	18.4	0.407	0.00277	327	0.0116	0.0656	0.000607	0.00111	0.000488	2.28	0.000115	0.00298	0.000789	0.00333	0.00274
2026 Jul	0.000466	0.00184	0.103	0.0000112	8.4	10.1	0.181	0.00258	150	0.0074	0.0338	0.000458	0.000868	0.000297	0.956	0.0000369	0.00142	0.0013	0.00287	0.00166
2026 Aug	0.000481	0.00195	0.104	0.0000116	9.6	12.8	0.198	0.00265	168	0.00806	0.0331	0.000483	0.000936	0.000342	0.964	0.0000363	0.00155	0.00134	0.00297	0.00171
2026 Sep	0.000496	0.00222	0.103	0.0000123	11.4	16.2	0.212	0.0028	194	0.00942	0.0301	0.000564	0.00115	0.000446	0.967	0.0000331	0.00185	0.00135	0.00302	0.0019
2026 Oct	0.000305	0.00158	0.0598	0.00000799	8.07	11.6	0.141	0.00178	138	0.00681	0.0177	0.000393	0.00086	0.000343	0.638	0.0000212	0.00133	0.000786	0.00186	0.00135
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0.00037	0.0022	0.0673	0.0000102	14.7	15.9	0.302	0.00245	255	0.0106	0.0469	0.00056	0.00118	0.000478	1.66	0.0000778	0.00244	0.000841	0.00304	0.00233
2027 Jul	0.000325	0.00173	0.088	0.0000119	6.45	8.38	0.136	0.00159	116	0.00675	0.0241	0.000351	0.000843	0.000292	0.693	0.0000275	0.00104	0.000944	0.00262	0.00137
2027 Aug	0.000347	0.00184	0.0911	0.0000125	7.5	10.8	0.154	0.00168	133	0.00741	0.024	0.000373	0.000907	0.000331	0.71	0.0000274	0.00115	0.00101	0.00275	0.00144
2027 Sep	0.000394	0.00224	0.0871	0.0000129	10.7	16.1	0.2	0.00209	184	0.00974	0.0249	0.000493	0.00121	0.000475	0.865	0.0000313	0.00166	0.00108	0.0029	0.00185
2027 Oct	0.000263	0.00156	0.0531	0.00000829	8.4	13.3	0.165	0.00138	147	0.00717	0.0189	0.000315	0.000793	0.000341	0.671	0.000027	0.00117	0.00068	0.00191	0.00131
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0.000339	0.00218	0.0632	0.0000107	15.2	17.2	0.341	0.00218	269	0.0109	0.053	0.00045	0.00104	0.000448	1.81	0.0000911	0.00229	0.000758	0.0032	0.00235
2028 Jul	0.00029	0.00169	0.0795	0.000012	6.55	8.52	0.141	0.0015	119	0.00677	0.0251	0.000289	0.000816	0.000284	0.726	0.0000309	0.00102	0.000865	0.00262	0.00138
2028 Aug	0.000308	0.00178	0.0846	0.0000127	6.81	9.43	0.143	0.00157	123	0.00708	0.0244	0.000302	0.000862	0.000303	0.701	0.0000286	0.00105	0.000932	0.00274	0.00141
2028 Sep	0.000327	0.0019	0.0886	0.0000133	7.82	11.5	0.155	0.00169	135	0.00764	0.0237	0.000335	0.00094	0.000347	0.703	0.000027	0.00119	0.000967	0.00283	0.00147
2028 Oct	0.000204	0.00124	0.0504	0.00000768	5.74	8.46	0.108	0.00116	96.4	0.00512	0.0151	0.000226	0.000613	0.000243	0.487	0.0000187	0.000885	0.000548	0.00161	0.000983
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0.000375	0.00239	0.0705	0.0000108	13.6	15.5	0.23	0.00265	205	0.0106	0.0329	0.000651	0.00143	0.000555	1.27	0.0000495	0.0025	0.000879	0.00279	0.0022
2029 Jul	0.00028	0.00166	0.0757	0.000011	6.8	8.19	0.144	0.00158	118	0.00658	0.0263	0.000314	0.00081	0.000282	0.782	0.0000338	0.00113	0.00081	0.00254	0.00135
2029 Aug	0.000275	0.00159	0.0807	0.0000117	5.65	8.31	0.114	0.0014	98.7	0.00602	0.0195	0.000273	0.000774	0.000268	0.536	0.0000201	0.000887	0.000847	0.00247	0.00117
2029 Sep	0.000291	0.00172	0.0811	0.000012	6.98	10.7	0.134	0.00151	118	0.0068	0.0196	0.000313	0.000859	0.000319	0.582	0.0000213	0.00107	0.000859	0.00252	0.00127
2029 Oct	0.000189	0.00115	0.0514	0.00000769	5.21	8.06	0.107	0.000981	89.7	0.00471	0.015	0.000194	0.000534	0.000213	0.456	0.0000189	0.000737	0.000522	0.00163	0.000871
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0.000327	0.0021	0.0646	0.0000102	13.6	14.4	0.284	0.00219	219	0.00998	0.0451	0.000506	0.0011	0.000444	1.57	0.0000754	0.00225	0.00073	0.00293	0.00217
2030 Jul	0.000284	0.0016	0.0828	0.0000113	6.33	8.19	0.14	0.00137	110	0.00616	0.0247	0.000313	0.000753	0.000268	0.715	0.0000313	0.000993	0.000803	0.00251	0.00126
2030 Aug	0.000299	0.00167	0.0865	0.0000118	6.43	9.93	0.136	0.00138	113	0.00647	0.0207	0.000328	0.000809	0.000297	0.598	0.0000235	0.000958	0.000867	0.00253	0.00124
2030 Sep	0.000332	0.0019	0.0889	0.0000125	7.95	12.7	0.163	0.00159	139	0.00763	0.0219	0.000385	0.000946	0.000363	0.678	0.000026	0.00118	0.000931	0.00269	0.00143
2030 Oct	0.000227	0.00136	0.0559	0.00000835	6.46	10.9	0.142	0.0011	121	0.00582	0.0178	0.000238	0.000625	0.000264	0.567	0.0000247	0.000859	0.000592	0.00182	0.00108
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0.000428	0.00226	0.0894	0.0000105	14.5	16.8	0.328	0.0022	236	0.0106	0.0484	0.000629	0.00109	0.000467	1.68	0.0000815	0.00226	0.000887	0.00303	0.00225

Appendix D.1-1: EWTP-Dissolved

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2031 Jul	0.00048	0.00206	0.133	0.0000126	7.07	10.8	0.176	0.00161	129	0.00732	0.0264	0.000605	0.000892	0.000342	0.781	0.0000314	0.00107	0.00115	0.00269	0.00144
2031 Aug	0.000509	0.00221	0.134	0.000013	8.4	13.5	0.2	0.00178	149	0.00828	0.0265	0.000646	0.000997	0.000396	0.821	0.0000318	0.00124	0.00122	0.00281	0.00157
2031 Sep	0.000539	0.00276	0.113	0.0000129	11.4	18.8	0.231	0.00248	203	0.0112	0.0258	0.000793	0.00148	0.000589	0.973	0.000033	0.0019	0.00127	0.00293	0.00216
2031 Oct	0.000341	0.00202	0.0581	0.00000785	8.15	14.5	0.161	0.00181	163	0.0084	0.0171	0.000529	0.00111	0.000444	0.687	0.0000235	0.00136	0.000792	0.00189	0.0016
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0.000514	0.00325	0.0667	0.0000105	19.6	23.6	0.348	0.00366	291	0.0154	0.0445	0.00103	0.00208	0.000824	1.88	0.0000751	0.00363	0.00111	0.0034	0.00322
2032 Jul	0.000366	0.00228	0.0737	0.0000109	8.23	14.2	0.18	0.00198	185	0.00913	0.0259	0.000531	0.00122	0.000452	0.879	0.0000355	0.00138	0.000969	0.00274	0.00185
2032 Aug	0.000363	0.00232	0.0758	0.0000116	6.95	14.5	0.149	0.00184	176	0.00896	0.0193	0.000516	0.00126	0.000462	0.656	0.0000226	0.00116	0.00099	0.00266	0.00177
2032 Sep	0.000378	0.00243	0.0758	0.0000118	7.97	16.8	0.167	0.00193	194	0.00966	0.0193	0.000543	0.00133	0.000504	0.683	0.0000231	0.00128	0.00101	0.00272	0.00185
2032 Oct	0.000231	0.00149	0.0464	0.00000729	5.13	10.8	0.109	0.00118	124	0.006	0.0123	0.000326	0.0008	0.00031	0.435	0.0000153	0.000797	0.000609	0.00167	0.00114
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0.000481	0.00257	0.0853	0.00000968	15.9	19.3	0.334	0.00262	244	0.012	0.0453	0.000838	0.00144	0.000594	1.72	0.0000773	0.0027	0.000991	0.00306	0.00254
2033 Jul	0.000523	0.0024	0.125	0.0000117	7.2	15	0.181	0.00177	174	0.00864	0.0222	0.000755	0.00117	0.000456	0.736	0.0000265	0.00114	0.00122	0.00267	0.0017
2033 Aug	0.000551	0.00249	0.134	0.0000125	6.54	15.6	0.171	0.00172	172	0.00871	0.0192	0.000775	0.0012	0.000467	0.619	0.0000195	0.000989	0.0013	0.00271	0.00168
2033 Sep	0.000557	0.00285	0.116	0.0000127	9.78	19.8	0.219	0.00224	213	0.011	0.0226	0.000821	0.00149	0.000596	0.85	0.0000283	0.00158	0.00128	0.00286	0.00216
2033 Oct	0.0003	0.00174	0.0586	0.00000753	6.66	12.7	0.151	0.00142	143	0.00697	0.0176	0.000416	0.000854	0.000354	0.629	0.000025	0.00102	0.00067	0.00171	0.00137
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0.000447	0.00243	0.0887	0.0000101	12.6	17.4	0.278	0.00225	215	0.0105	0.0382	0.000688	0.00122	0.000509	1.37	0.0000615	0.00204	0.000926	0.00272	0.00217
2034 Jul	0.000514	0.00251	0.118	0.0000118	7.99	16.3	0.191	0.00196	183	0.00915	0.0234	0.000728	0.00122	0.000483	0.79	0.0000287	0.00128	0.00117	0.00264	0.00182
2034 Aug	0.000547	0.00266	0.128	0.0000128	7.25	17.1	0.181	0.00193	186	0.00941	0.0206	0.000764	0.00128	0.000505	0.681	0.000022	0.00113	0.00127	0.00272	0.00184
2034 Sep	0.000571	0.0031	0.112	0.0000129	10.5	22	0.225	0.00253	232	0.012	0.023	0.000874	0.00166	0.000662	0.898	0.0000286	0.00178	0.00131	0.00293	0.00237
2034 Oct	0.000338	0.00206	0.0581	0.00000791	7.39	15.6	0.157	0.00171	171	0.00822	0.0162	0.000514	0.00109	0.000445	0.638	0.0000223	0.00121	0.000761	0.00184	0.00161
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0.000422	0.00246	0.0777	0.00000999	13.4	18	0.294	0.00234	230	0.011	0.0417	0.000679	0.00129	0.000529	1.51	0.0000693	0.00222	0.000896	0.0029	0.00233
2035 Jul	0.000418	0.0022	0.102	0.0000117	6.37	13.8	0.159	0.00167	164	0.00784	0.0225	0.00055	0.00105	0.0004	0.698	0.0000272	0.00101	0.00103	0.00259	0.00163
2035 Aug	0.000432	0.00225	0.107	0.0000125	6.31	14.8	0.156	0.00164	162	0.00801	0.0196	0.000557	0.00109	0.000418	0.603	0.0000212	0.00096	0.00109	0.00264	0.00161
2035 Sep	0.000471	0.00283	0.0869	0.0000125	10.1	22.7	0.21	0.0024	246	0.0111	0.022	0.000705	0.00155	0.000621	0.857	0.0000288	0.00171	0.00111	0.00284	0.00227
2035 Oct	0.000309	0.002	0.0515	0.00000789	7.09	16.9	0.144	0.00171	187	0.00783	0.0147	0.000486	0.0011	0.000445	0.593	0.0000197	0.00121	0.000706	0.00185	0.00158
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	0.000472	0.00299	0.0681	0.0000106	16.6	25.1	0.323	0.0031	285	0.0136	0.0397	0.00089	0.00176	0.000723	1.59	0.000066	0.00293	0.00102	0.00319	0.00283
2036 Jul	0.000395	0.00249	0.0811	0.0000117	8.33	19.5	0.177	0.00217	238	0.00933	0.0235	0.000846	0.00126	0.0005	0.768	0.0000297	0.00151	0.000978	0.00278	0.00191
2036 Aug	0.000396	0.00249	0.0868	0.0000124	7.56	19.4	0.156	0.00213	232	0.009	0.02	0.000987	0.00123	0.000489	0.611	0.0000216	0.00143	0.001	0.00278	0.00179
2036 Sep	0.000434	0.00273	0.0839	0.0000126	10.5	22.5	0.193	0.0026	254	0.0106	0.0217	0.00127	0.00143	0.000589	0.753	0.0000257	0.00206	0.00105	0.0029	0.00211
2036 Oct	0.000278	0.00181	0.0474	0.00000774	7.87	15	0.132	0.0019	172	0.00728	0.0149	0.00106	0.000949	0.000406	0.538	0.0000189	0.00165	0.000627	0.00177	0.00148
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	0.0005	0.00246	0.0984	0.00000989	15.2	19.5	0.33	0.00251	238	0.0112	0.0442	0.0011	0.00122	0.00054	1.59	0.0000736	0.00257	0.000992	0.00292	0.00233
2037 Jul	0.000547	0.00251	0.127	0.0000124	9.04	17.2	0.195	0.00226	203	0.00918	0.0244	0.00134	0.00115	0.000488	0.77	0.0000288	0.00166	0.0012	0.00265	0.00187

Appendix D.1-1: EWTP-Dissolved

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2037 Aug	0.000578	0.00266	0.132	0.0000132	9.25	18.8	0.198	0.00236	213	0.00982	0.0225	0.00141	0.00124	0.000527	0.716	0.0000246	0.00168	0.00129	0.00274	0.00196
2037 Sep	0.000598	0.00286	0.129	0.0000137	10.9	21.4	0.23	0.00257	236	0.0111	0.0243	0.00138	0.00138	0.000593	0.826	0.0000288	0.00187	0.00133	0.00289	0.0022
2037 Oct	0.000346	0.00179	0.0733	0.00000875	6.95	13.2	0.152	0.00158	151	0.0071	0.0177	0.000698	0.000844	0.000364	0.596	0.0000233	0.00112	0.000759	0.0018	0.00144
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	0.000488	0.00223	0.111	0.0000104	12.8	16.2	0.32	0.00198	214	0.00983	0.0464	0.000762	0.000949	0.000428	1.55	0.0000767	0.0019	0.000956	0.00283	0.00209
2038 Jul	0.000552	0.00232	0.145	0.0000131	7.27	13.8	0.194	0.00174	159	0.00811	0.0266	0.000766	0.000979	0.000404	0.797	0.0000324	0.000997	0.00121	0.00264	0.00168
2038 Aug	0.000591	0.00248	0.151	0.0000139	8.35	16.3	0.22	0.00187	178	0.00902	0.027	0.000798	0.00106	0.00045	0.828	0.000033	0.0011	0.00131	0.0028	0.0018
2038 Sep	0.0006	0.00268	0.143	0.0000143	10	19.5	0.251	0.00211	205	0.0104	0.028	0.000789	0.0012	0.00052	0.91	0.0000358	0.00131	0.00133	0.00292	0.00203
2038 Oct	0.000365	0.00175	0.0833	0.00000922	6.81	13.2	0.167	0.00141	141	0.00698	0.0186	0.000455	0.000784	0.000345	0.613	0.0000248	0.000876	0.000805	0.00185	0.00137
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	0.000429	0.00253	0.0753	0.0000108	15.5	18.8	0.323	0.00265	219	0.0119	0.0453	0.000711	0.00141	0.000579	1.67	0.0000763	0.00259	0.000913	0.00311	0.00257
2039 Jul	0.000362	0.00219	0.0786	0.0000119	9.27	15.2	0.219	0.00191	185	0.00918	0.032	0.000451	0.00108	0.00043	1.04	0.0000478	0.00135	0.000902	0.00283	0.00195
2039 Aug	0.000348	0.00218	0.0782	0.0000126	7.85	15.4	0.186	0.00178	174	0.00887	0.0249	0.000384	0.00106	0.000425	0.791	0.0000339	0.00105	0.000874	0.00261	0.00184
2039 Sep	0.000334	0.00214	0.0802	0.0000128	7.15	14.6	0.166	0.00168	159	0.00845	0.0219	0.000364	0.00102	0.000413	0.681	0.0000277	0.000947	0.000831	0.0025	0.00173
2039 Oct	0.000214	0.00137	0.0513	0.00000816	5.02	10.1	0.117	0.00108	107	0.00555	0.0145	0.000227	0.000637	0.000267	0.453	0.0000189	0.000641	0.000522	0.0016	0.00109
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jun	0.000362	0.00192	0.0879	0.0000104	11.5	13.1	0.309	0.0016	204	0.0088	0.0508	0.000438	0.000728	0.000325	1.61	0.000086	0.00157	0.000726	0.00288	0.00195
2040 Jul	0.000409	0.00178	0.12	0.0000119	6.22	9.83	0.168	0.00131	120	0.00637	0.0266	0.000481	0.000709	0.000287	0.756	0.0000343	0.000785	0.000938	0.00244	0.00131
2040 Aug	0.000446	0.00192	0.126	0.0000124	6.67	11.9	0.18	0.00136	131	0.0071	0.0244	0.000524	0.000786	0.000328	0.699	0.0000298	0.000788	0.00104	0.00251	0.00135
2040 Sep	0.000476	0.0022	0.122	0.0000128	8	15.2	0.213	0.00155	165	0.00881	0.025	0.000567	0.000949	0.000407	0.765	0.0000319	0.000919	0.00111	0.00265	0.00159
2040 Oct	0.000287	0.00138	0.0716	0.00000788	5.19	9.92	0.138	0.000985	109	0.00563	0.0163	0.000331	0.000587	0.000257	0.503	0.0000217	0.000589	0.000659	0.00163	0.00102
2040 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jun	0.000404	0.00254	0.0749	0.0000105	12.2	16	0.328	0.00177	256	0.012	0.0494	0.000573	0.00114	0.000475	1.64	0.0000841	0.00159	0.000897	0.00314	0.00236
2041 Jul	0.000304	0.00187	0.0788	0.0000118	7	11.1	0.178	0.00139	155	0.0077	0.0292	0.00034	0.000865	0.000335	0.878	0.0000421	0.000906	0.000792	0.00263	0.00162
2041 Aug	0.000304	0.00185	0.0834	0.000013	5.95	11	0.138	0.00139	133	0.00727	0.0213	0.000314	0.000916	0.000348	0.623	0.0000258	0.000782	0.000834	0.00255	0.00156
2041 Sep	0.000327	0.00201	0.0828	0.0000132	7.14	13.4	0.165	0.00151	155	0.00827	0.0218	0.000352	0.00101	0.000399	0.673	0.0000273	0.000921	0.000885	0.00264	0.00168
2041 Oct	0.000224	0.00139	0.0517	0.00000859	5.54	10.5	0.129	0.00107	117	0.00602	0.0153	0.00024	0.000696	0.000289	0.495	0.0000205	0.000695	0.000586	0.00175	0.00119
2041 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jun	0.00032	0.00208	0.0681	0.0000109	11.3	14.9	0.29	0.00162	230	0.00989	0.0444	0.000401	0.000944	0.0004	1.44	0.0000744	0.00149	0.000754	0.00296	0.00207
2042 Jul	0.00028	0.00172	0.0792	0.0000117	7.1	11	0.175	0.0013	146	0.00702	0.0283	0.000316	0.000796	0.000312	0.845	0.0000403	0.000982	0.000748	0.00264	0.00148
2042 Aug	0.000291	0.00178	0.0762	0.0000116	8.46	14.2	0.196	0.00146	166	0.00757	0.0262	0.000346	0.000857	0.000364	0.835	0.0000375	0.00117	0.000746	0.00256	0.00153
2042 Sep	0.0003	0.00185	0.0722	0.0000114	9.7	16.8	0.219	0.00161	186	0.00816	0.0259	0.000361	0.000889	0.000405	0.871	0.0000381	0.00133	0.000718	0.00249	0.00159
2042 Oct	0.000195	0.00121	0.0452	0.00000724	6.49	11.6	0.147	0.00106	124	0.00539	0.0164	0.000228	0.000564	0.000268	0.559	0.0000243	0.000872	0.000447	0.00155	0.00102
2042 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jun	0.000327	0.00175	0.0796	0.00000967	13.1	15.1	0.325	0.0017	245	0.00834	0.051	0.000459	0.000738	0.000356	1.69	0.0000879	0.00185	0.000637	0.0028	0.00197
2043 Jul	0.000385	0.00168	0.116	0.0000111	7.69	11.6	0.195	0.00133	141	0.0062	0.0294	0.00051	0.000678	0.000299	0.889	0.0000411	0.00108	0.000848	0.00249	0.00127
2043 Aug	0.000413	0.0018	0.119	0.0000115	8.87	14.1	0.219	0.00146	158	0.0069	0.0292	0.000552	0.000757	0.000345	0.911	0.0000407	0.00122	0.000915	0.00259	0.00135
2043 Sep	0.00043	0.00197	0.115	0.0000117	11	18.3	0.249	0.00174	190	0.00804	0.028	0.000612	0.000929	0.000437	0.957	0.0000395	0.00153	0.000954	0.00266	0.00153
2043 Oct	0.000268	0.00134	0.068	0.00000751	7.5	12.6	0.167	0.00121	130	0.00558	0.0192	0.000385	0.000633	0.000299	0.665	0.0000279	0.00105	0.000579	0.00172	0.00107
2043 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-2: EWTP-Total

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	337	1.04	2.3	0.0404	157	0.0688	49.2	0.000835	0.000539	0.00000521	0.947	0.00482	0.0829	0.0182	0.0000147	21.8	0.0000296	0.00124
Operations (2020-2043): Mean	837	2.32	6.33	0.134	389	0.17	129	0.00142	0.000895	0.00000925	0.95	0.00909	0.192	0.0365	0.0000203	46.4	0.0000575	0.00243
Operations (2020-2043): Max	1780	5.13	17.5	0.356	857	0.354	250	0.00263	0.00115	0.000016	0.954	0.0203	0.35	0.0605	0.0000285	83.2	0.0000987	0.00524
NWB Water License/MDMER	***3500***	***14***	**-**	**-**	**-**	**-**	**-**	***0.5***	**-**	**-**	***2***	***0.3***	**-**	**-**	**-**	**-**	**-**	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2043)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	935	2.13	12.9	0.219	439	0.219	134	0.000908	0.000817	0.0000101	0.948	0.00807	0.197	0.0453	0.0000192	48.1	0.0000605	0.00293
2020 Jul	1130	3.01	13.5	0.229	534	0.234	160	0.00149	0.000919	0.0000112	0.949	0.012	0.229	0.0497	0.000022	57.8	0.0000691	0.00347
2020 Aug	1280	3.67	15.2	0.237	606	0.243	178	0.00197	0.000979	0.000012	0.95	0.0151	0.249	0.0526	0.0000238	65.3	0.0000742	0.00388
2020 Sep	1490	4.68	16.2	0.245	708	0.257	206	0.00249	0.000987	0.0000125	0.952	0.0196	0.286	0.0558	0.0000261	74.4	0.0000812	0.00445
2020 Oct	981	3.16	10.5	0.156	470	0.162	135	0.00175	0.000615	0.00000837	0.948	0.0137	0.183	0.0361	0.00002	49	0.0000526	0.00309
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	1310	3.66	15.3	0.258	625	0.261	184	0.00174	0.000867	0.0000118	0.949	0.0147	0.26	0.0472	0.0000226	61.4	0.0000732	0.00393
2021 Jul	1490	4.16	16.7	0.295	715	0.297	210	0.00203	0.000988	0.0000134	0.95	0.0167	0.293	0.0524	0.0000246	69.8	0.0000827	0.00443
2021 Aug	1610	4.57	17.5	0.308	771	0.309	224	0.00235	0.00105	0.0000142	0.951	0.0188	0.308	0.0548	0.000026	75.7	0.0000871	0.00475
2021 Sep	1670	4.86	17.4	0.309	801	0.311	232	0.00256	0.00106	0.0000145	0.951	0.0203	0.315	0.0555	0.0000266	78.7	0.0000887	0.00493
2021 Oct	1120	3.31	11.3	0.203	537	0.204	155	0.00177	0.000693	0.00000983	0.948	0.0142	0.209	0.0379	0.0000206	53	0.0000596	0.00345
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	1570	4.41	15	0.309	754	0.313	222	0.00214	0.000998	0.0000139	0.951	0.0178	0.31	0.0528	0.0000251	72.4	0.0000862	0.00465
2022 Jul	1420	3.75	12.9	0.302	681	0.304	203	0.00173	0.000982	0.0000134	0.95	0.0147	0.289	0.0491	0.0000235	64.4	0.0000824	0.00424
2022 Aug	1530	4.14	13.8	0.317	734	0.319	217	0.00201	0.00104	0.0000142	0.95	0.0164	0.306	0.0518	0.0000248	69.9	0.000087	0.00455
2022 Sep	1590	4.46	14.2	0.319	763	0.322	225	0.00222	0.00105	0.0000144	0.951	0.0178	0.315	0.053	0.0000256	73.1	0.0000891	0.00472
2022 Oct	1060	3.08	9.46	0.207	511	0.209	150	0.00157	0.000686	0.00000975	0.948	0.0127	0.209	0.0364	0.00002	49.4	0.0000598	0.00331
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	1420	3.78	12.5	0.308	681	0.309	203	0.00167	0.000948	0.0000133	0.95	0.0141	0.292	0.0507	0.0000234	64.9	0.000083	0.00422
2023 Jul	1600	4.42	14	0.336	770	0.336	227	0.0021	0.00105	0.0000148	0.951	0.0169	0.322	0.0553	0.0000256	74	0.0000916	0.00474
2023 Aug	1720	4.85	15	0.35	826	0.349	242	0.00242	0.00111	0.0000156	0.951	0.0189	0.339	0.058	0.0000269	79.8	0.0000964	0.00506
2023 Sep	1780	5.13	15.5	0.356	857	0.354	250	0.00263	0.00114	0.000016	0.952	0.0202	0.348	0.0592	0.0000277	83.2	0.0000987	0.00524
2023 Oct	1170	3.42	10.2	0.231	565	0.23	165	0.0018	0.000746	0.0000108	0.948	0.0139	0.227	0.04	0.0000212	55.3	0.0000654	0.00361
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	1400	3.77	12.2	0.306	672	0.307	200	0.00172	0.000993	0.0000135	0.95	0.0139	0.29	0.0534	0.0000235	66.8	0.0000837	0.00417
2024 Jul	1540	4.16	13.4	0.332	736	0.333	219	0.00195	0.00109	0.0000147	0.951	0.0154	0.316	0.0577	0.000025	73.3	0.0000908	0.00454
2024 Aug	1630	4.51	14.1	0.343	780	0.344	231	0.0022	0.00114	0.0000154	0.951	0.0171	0.33	0.0601	0.0000261	78.1	0.0000949	0.0048
2024 Sep	1670	4.79	14.4	0.339	798	0.342	235	0.00243	0.00115	0.0000155	0.952	0.0185	0.334	0.0605	0.0000268	80.5	0.0000958	0.00492
2024 Oct	1040	3.01	8.97	0.208	496	0.21	146	0.00155	0.00071	0.00000993	0.948	0.012	0.207	0.0388	0.0000199	50.4	0.0000603	0.00323
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	1390	3.93	12.1	0.296	666	0.304	199	0.00183	0.00102	0.0000135	0.951	0.0143	0.294	0.0521	0.0000238	65.9	0.0000845	0.00415
2025 Jul	1330	3.61	11.6	0.293	636	0.299	191	0.00169	0.00105	0.0000134	0.95	0.0131	0.284	0.05	0.0000233	62.3	0.0000831	0.00398

Appendix D.1-2: EWTP-Total

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2025 Aug	1430	3.99	12.4	0.304	681	0.311	204	0.00196	0.0011	0.0000141	0.951	0.0148	0.3	0.0525	0.0000245	67.3	0.0000875	0.00425
2025 Sep	1500	4.39	12.9	0.304	712	0.315	214	0.00219	0.00112	0.0000143	0.952	0.0164	0.314	0.0543	0.0000254	71	0.0000904	0.00443
2025 Oct	1020	3.06	8.81	0.202	487	0.21	147	0.00155	0.000716	0.00000981	0.948	0.0121	0.213	0.0375	0.00002	48.9	0.0000614	0.00319
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	1080	3.23	8.84	0.215	509	0.243	161	0.00125	0.000869	0.0000108	0.95	0.0105	0.263	0.0468	0.000023	52.3	0.0000723	0.00316
2026 Jul	543	1.41	3.29	0.078	253	0.113	79.5	0.00123	0.000987	0.00000984	0.95	0.00625	0.138	0.0374	0.0000275	35.5	0.0000456	0.00178
2026 Aug	613	1.79	3.88	0.0788	285	0.116	88.5	0.00156	0.00104	0.0000104	0.951	0.00815	0.148	0.0388	0.0000285	39.8	0.0000483	0.00199
2026 Sep	712	2.41	4.73	0.0829	332	0.13	103	0.00184	0.00108	0.0000107	0.952	0.0102	0.176	0.0403	0.0000285	44.5	0.0000533	0.0022
2026 Oct	503	1.86	3.53	0.0589	236	0.095	73.5	0.0012	0.000661	0.00000696	0.948	0.00737	0.131	0.0268	0.00002	29.8	0.0000375	0.00162
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	869	2.81	6.91	0.158	406	0.197	131	0.00126	0.000879	0.00000984	0.951	0.00903	0.229	0.0391	0.0000219	43.6	0.0000637	0.00255
2027 Jul	435	1.27	2.77	0.0628	204	0.102	63.2	0.00113	0.000976	0.00000845	0.95	0.00512	0.122	0.0283	0.0000207	27.9	0.000043	0.00142
2027 Aug	500	1.59	3.26	0.064	234	0.105	71.5	0.00143	0.00104	0.00000904	0.951	0.00685	0.131	0.0299	0.0000219	32	0.000046	0.00162
2027 Sep	685	2.48	4.8	0.0811	321	0.133	99.4	0.00181	0.00106	0.00000983	0.952	0.00989	0.179	0.0338	0.0000232	40.7	0.0000546	0.00206
2027 Oct	539	2.02	4.01	0.0634	254	0.0968	76.8	0.00148	0.000706	0.00000722	0.949	0.0087	0.129	0.0245	0.0000186	31.7	0.000039	0.00177
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	917	2.84	7.44	0.17	431	0.205	136	0.00152	0.000958	0.0000106	0.951	0.0102	0.226	0.0384	0.0000218	46.4	0.0000655	0.00276
2028 Jul	444	1.27	2.9	0.0661	209	0.105	64.6	0.00116	0.000977	0.00000845	0.95	0.00522	0.122	0.0267	0.0000202	27.4	0.0000435	0.00145
2028 Aug	463	1.38	2.97	0.0633	218	0.105	66.8	0.00131	0.00104	0.00000885	0.951	0.00586	0.125	0.0276	0.0000211	29.1	0.0000451	0.00151
2028 Sep	514	1.64	3.32	0.0631	241	0.109	74.3	0.00155	0.0011	0.00000926	0.952	0.00729	0.135	0.0296	0.0000218	32.8	0.0000479	0.00169
2028 Oct	362	1.24	2.47	0.0439	169	0.0757	53.5	0.00101	0.00064	0.00000593	0.948	0.00553	0.0946	0.0207	0.0000165	22.8	0.0000315	0.00133
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	739	2.55	5.51	0.116	333	0.184	122	0.0012	0.00088	0.0000089	0.952	0.00834	0.235	0.0377	0.000021	40.9	0.0000628	0.00225
2029 Jul	434	1.21	2.9	0.0701	199	0.11	67.1	0.00102	0.000925	0.00000805	0.95	0.00482	0.126	0.0269	0.0000196	26.9	0.0000438	0.00146
2029 Aug	382	1.12	2.3	0.0465	177	0.0872	56.6	0.00122	0.000976	0.00000793	0.95	0.00517	0.106	0.0249	0.0000198	25.7	0.0000399	0.00134
2029 Sep	453	1.46	2.88	0.0508	209	0.0958	67.2	0.00146	0.00101	0.00000828	0.951	0.00662	0.121	0.0267	0.0000203	29.7	0.0000427	0.00156
2029 Oct	337	1.1	2.3	0.0404	157	0.0688	49.2	0.00106	0.000664	0.00000589	0.947	0.00532	0.0829	0.0195	0.0000162	21.8	0.0000296	0.0013
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	761	2.24	5.95	0.143	348	0.191	122	0.00115	0.000881	0.0000093	0.951	0.00796	0.216	0.0365	0.0000201	40.5	0.0000612	0.0024
2030 Jul	413	1.09	2.63	0.0629	190	0.101	63.1	0.00108	0.000945	0.00000786	0.95	0.00482	0.114	0.0268	0.0000187	27.1	0.0000421	0.00142
2030 Aug	435	1.27	2.67	0.0519	200	0.0937	65.3	0.00133	0.000989	0.00000801	0.95	0.00579	0.114	0.0267	0.0000194	29.2	0.0000422	0.00149
2030 Sep	530	1.65	3.33	0.0594	244	0.108	80.3	0.00157	0.00105	0.00000861	0.951	0.00734	0.136	0.0292	0.0000205	34.4	0.000047	0.00174
2030 Oct	447	1.42	3	0.0511	209	0.0825	65.8	0.00127	0.00071	0.00000645	0.948	0.00645	0.101	0.0218	0.000017	27.5	0.000034	0.00155
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	828	2.33	6.31	0.148	378	0.197	133	0.00135	0.000921	0.00000975	0.951	0.00904	0.221	0.0423	0.0000207	47.9	0.0000633	0.00265
2031 Jul	494	1.24	2.84	0.0657	223	0.113	76.7	0.00119	0.00103	0.00000848	0.951	0.00543	0.131	0.0372	0.0000199	37.7	0.0000463	0.00155
2031 Aug	572	1.59	3.39	0.0688	259	0.12	88.7	0.00145	0.00107	0.00000895	0.951	0.007	0.147	0.0391	0.0000211	42.2	0.0000499	0.00182
2031 Sep	770	2.33	4.58	0.0846	346	0.16	129	0.00153	0.000992	0.00000912	0.953	0.00892	0.217	0.0405	0.0000221	49.5	0.0000604	0.00216
2031 Oct	603	1.88	3.62	0.0642	273	0.12	102	0.00102	0.000589	0.00000618	0.949	0.00665	0.167	0.0262	0.0000173	35.2	0.0000437	0.00164
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-2: EWTP-Total

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	1050	3.2	7.41	0.163	461	0.265	193	0.0012	0.000803	0.00000979	0.954	0.0109	0.35	0.0473	0.0000225	57.3	0.000085	0.00304
2032 Jul	670	1.79	3.87	0.0842	303	0.142	113	0.00103	0.000839	0.00000775	0.951	0.00585	0.183	0.0284	0.0000191	37.4	0.0000539	0.00163
2032 Aug	650	1.73	3.33	0.0653	296	0.126	109	0.0011	0.000854	0.00000746	0.951	0.0057	0.173	0.0258	0.0000187	36.5	0.0000512	0.00145
2032 Sep	717	1.99	3.77	0.0673	326	0.133	120	0.00131	0.000887	0.00000779	0.951	0.00681	0.184	0.027	0.0000192	40.3	0.0000534	0.00165
2032 Oct	456	1.28	2.44	0.0426	208	0.0824	75.6	0.000871	0.000556	0.00000521	0.947	0.00484	0.113	0.0183	0.0000151	25.9	0.0000341	0.00124
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	878	2.36	6.2	0.146	388	0.216	156	0.00115	0.000802	0.00000911	0.951	0.00925	0.263	0.0442	0.0000202	51.6	0.00007	0.00274
2033 Jul	653	1.57	3.19	0.0674	292	0.124	110	0.00106	0.000882	0.00000747	0.95	0.00561	0.163	0.0356	0.0000183	43.8	0.000051	0.00152
2033 Aug	654	1.59	2.98	0.0578	293	0.116	109	0.00117	0.000929	0.00000753	0.951	0.00567	0.158	0.0357	0.0000185	45	0.0000506	0.00145
2033 Sep	806	2.15	4.15	0.0772	361	0.152	139	0.00136	0.000914	0.00000813	0.952	0.00783	0.211	0.0378	0.0000197	51.3	0.0000597	0.00193
2033 Oct	531	1.45	3.02	0.0581	240	0.104	90.1	0.000909	0.000566	0.00000561	0.948	0.00563	0.134	0.0238	0.0000156	32.2	0.0000384	0.00149
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	781	2.05	5.16	0.118	347	0.183	136	0.00116	0.000822	0.00000848	0.951	0.00791	0.218	0.0391	0.0000192	47.6	0.0000605	0.00231
2034 Jul	690	1.69	3.44	0.0711	306	0.134	120	0.00113	0.000884	0.00000761	0.951	0.00616	0.175	0.0359	0.0000187	45.9	0.0000532	0.00165
2034 Aug	707	1.73	3.26	0.0631	315	0.129	122	0.0012	0.000932	0.00000772	0.951	0.00608	0.174	0.0359	0.0000189	47.5	0.0000536	0.00155
2034 Sep	880	2.27	4.32	0.0805	390	0.168	159	0.00134	0.000902	0.00000821	0.953	0.00815	0.235	0.0385	0.00002	55	0.0000646	0.00199
2034 Oct	636	1.67	3.26	0.0592	284	0.118	113	0.000932	0.000554	0.00000566	0.949	0.00613	0.162	0.0247	0.000016	37.2	0.000044	0.00156
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	827	2.06	5.45	0.13	367	0.196	147	0.00111	0.000806	0.00000868	0.951	0.00802	0.234	0.0385	0.0000193	48.1	0.0000646	0.00241
2035 Jul	613	1.34	2.86	0.0639	273	0.118	106	0.001	0.000872	0.00000731	0.95	0.00498	0.148	0.0302	0.000018	39.4	0.000049	0.0014
2035 Aug	617	1.41	2.76	0.0548	275	0.111	107	0.00118	0.000926	0.00000746	0.951	0.00559	0.146	0.0303	0.0000183	40.8	0.0000494	0.00145
2035 Sep	921	2.09	4.08	0.0757	409	0.16	168	0.00132	0.000864	0.0000079	0.952	0.008	0.222	0.0334	0.0000195	53.8	0.0000622	0.00196
2035 Oct	689	1.53	2.96	0.0535	307	0.114	126	0.000885	0.000544	0.00000549	0.949	0.0059	0.16	0.0231	0.0000157	38.7	0.0000441	0.00149
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	1050	2.55	6.11	0.133	456	0.229	197	0.00135	0.000822	0.0000092	0.953	0.0104	0.298	0.0417	0.0000212	59.3	0.0000771	0.00285
2036 Jul	865	1.84	3.75	0.0877	388	0.141	152	0.00113	0.00087	0.00000766	0.951	0.00624	0.184	0.0289	0.0000188	47.5	0.000056	0.00172
2036 Aug	848	1.83	3.46	0.0831	382	0.129	147	0.0012	0.000919	0.00000765	0.951	0.00599	0.17	0.0277	0.0000189	46.9	0.0000534	0.00165
2036 Sep	937	2.22	4.22	0.101	419	0.152	166	0.00139	0.000928	0.00000812	0.952	0.00773	0.205	0.0316	0.00002	52.3	0.0000594	0.00211
2036 Oct	632	1.56	3.02	0.0806	283	0.107	113	0.000835	0.000539	0.00000537	0.948	0.00549	0.142	0.0224	0.0000157	34.5	0.0000395	0.00166
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	862	2.14	5.77	0.146	380	0.197	152	0.00123	0.000827	0.00000896	0.951	0.00904	0.232	0.0445	0.0000198	53.3	0.0000646	0.00278
2037 Jul	758	1.83	3.77	0.0999	342	0.131	127	0.00111	0.000883	0.0000077	0.951	0.00636	0.167	0.0378	0.0000187	48.5	0.0000512	0.00184
2037 Aug	804	2.03	3.95	0.0986	366	0.131	133	0.00125	0.00092	0.00000793	0.951	0.00699	0.173	0.0383	0.0000192	51.2	0.0000528	0.00192
2037 Sep	891	2.36	4.63	0.105	405	0.146	149	0.00146	0.00095	0.00000846	0.952	0.00844	0.198	0.04	0.0000202	55.7	0.0000578	0.0022
2037 Oct	565	1.5	3.11	0.0685	259	0.0989	93.5	0.00093	0.000605	0.00000583	0.948	0.00574	0.128	0.0257	0.0000157	34.6	0.0000378	0.00155
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-2: EWTP-Total

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	770	1.85	5.43	0.137	348	0.179	128	0.00118	0.000874	0.00000901	0.95	0.00794	0.195	0.043	0.0000188	49.2	0.0000584	0.00247
2038 Jul	617	1.44	3.28	0.0758	282	0.118	99.5	0.00112	0.000962	0.00000795	0.951	0.00583	0.142	0.0388	0.000018	44.8	0.0000482	0.00156
2038 Aug	691	1.74	3.78	0.0784	317	0.124	110	0.00139	0.00103	0.00000851	0.951	0.00719	0.154	0.0409	0.0000191	49.5	0.0000518	0.00183
2038 Sep	795	2.15	4.54	0.0852	366	0.138	128	0.00164	0.00105	0.00000899	0.952	0.00882	0.178	0.0416	0.0000201	54.3	0.0000562	0.00215
2038 Oct	541	1.5	3.18	0.0576	250	0.0936	86.6	0.00112	0.000671	0.00000618	0.948	0.00633	0.12	0.0272	0.000016	35.7	0.0000378	0.00161
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	817	1.99	5.64	0.136	356	0.213	154	0.0012	0.000853	0.0000093	0.952	0.00916	0.257	0.0411	0.00002	49.7	0.0000696	0.00271
2039 Jul	690	1.69	4.24	0.0956	313	0.146	119	0.00118	0.000893	0.00000826	0.951	0.00693	0.176	0.0298	0.0000185	40.8	0.0000547	0.00189
2039 Aug	663	1.73	3.87	0.0763	306	0.126	112	0.0013	0.000897	0.0000079	0.95	0.00684	0.158	0.0264	0.0000182	39	0.0000485	0.00171
2039 Sep	617	1.63	3.49	0.0662	285	0.118	104	0.00131	0.000919	0.00000776	0.95	0.00659	0.148	0.0254	0.0000179	37.2	0.0000454	0.00159
2039 Oct	411	1.14	2.44	0.0433	190	0.0763	68.2	0.000959	0.000607	0.00000543	0.947	0.00504	0.0957	0.0182	0.0000147	25.3	0.0000303	0.0013
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jun	712	1.61	5.4	0.143	328	0.175	114	0.0011	0.000905	0.00000925	0.949	0.00689	0.174	0.0366	0.0000183	41.8	0.0000545	0.00229
2040 Jul	465	1.04	2.74	0.0662	213	0.101	72.8	0.00105	0.000941	0.00000771	0.949	0.00508	0.11	0.0325	0.0000172	34.6	0.000041	0.00142
2040 Aug	510	1.32	3.04	0.0621	235	0.0993	78.4	0.00129	0.000985	0.00000801	0.95	0.00609	0.116	0.0335	0.0000179	38	0.0000427	0.00159
2040 Sep	631	1.85	3.97	0.0721	292	0.114	96.8	0.00154	0.001	0.00000856	0.951	0.00756	0.143	0.0342	0.0000188	43.3	0.0000472	0.00188
2040 Oct	415	1.22	2.64	0.0479	193	0.0742	63.6	0.000984	0.000619	0.0000057	0.947	0.00523	0.0916	0.0224	0.0000149	27.7	0.0000306	0.00138
2040 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jun	875	2.7	7.04	0.165	409	0.202	135	0.00119	0.000877	0.00001	0.95	0.00791	0.228	0.0344	0.0000189	45.2	0.0000626	0.00235
2041 Jul	572	1.47	3.71	0.0868	268	0.122	89.7	0.00104	0.000891	0.00000799	0.95	0.00552	0.14	0.0258	0.000017	32.7	0.0000464	0.00151
2041 Aug	521	1.31	2.91	0.0617	246	0.102	82.3	0.00111	0.000921	0.00000763	0.95	0.00544	0.126	0.0241	0.0000169	31.2	0.0000439	0.00134
2041 Sep	598	1.67	3.54	0.0674	282	0.111	94.1	0.00133	0.000949	0.00000803	0.951	0.00666	0.143	0.0255	0.0000176	35.3	0.0000472	0.0016
2041 Oct	448	1.33	2.79	0.0495	211	0.0793	70.2	0.00101	0.000623	0.00000576	0.948	0.00548	0.103	0.0188	0.0000148	26.2	0.0000336	0.00139
2041 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jun	796	2.29	6.08	0.142	374	0.173	121	0.00126	0.000901	0.00000931	0.95	0.00759	0.191	0.0314	0.0000185	41.1	0.0000571	0.00226
2042 Jul	541	1.38	3.45	0.0805	250	0.116	85.9	0.00115	0.000942	0.00000797	0.95	0.00553	0.13	0.0262	0.0000173	32.2	0.000046	0.00159
2042 Aug	617	1.77	3.95	0.0787	284	0.119	98.9	0.00143	0.000954	0.00000806	0.95	0.00713	0.141	0.0276	0.0000182	36.9	0.0000467	0.00191
2042 Sep	689	2.1	4.51	0.0815	315	0.127	110	0.00167	0.000966	0.00000825	0.95	0.00832	0.153	0.0292	0.0000189	41.2	0.0000469	0.00217
2042 Oct	458	1.43	3.02	0.0518	209	0.0826	73.6	0.00115	0.000624	0.00000565	0.947	0.00603	0.1	0.0205	0.0000154	28	0.0000309	0.00163
2042 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jun	830	2.21	6.35	0.157	386	0.182	126	0.0012	0.000889	0.0000091	0.949	0.00791	0.185	0.0385	0.0000188	44.7	0.0000557	0.00252
2043 Jul	523	1.3	3.29	0.0775	233	0.114	84.4	0.0012	0.000983	0.0000079	0.95	0.00573	0.12	0.035	0.0000177	38	0.0000436	0.00171
2043 Aug	590	1.62	3.78	0.0791	262	0.119	95	0.00146	0.00103	0.00000831	0.95	0.00711	0.132	0.037	0.0000187	42.4	0.0000465	0.00197
2043 Sep	709	2.19	4.66	0.0833	315	0.132	116	0.0018	0.00106	0.00000867	0.951	0.00916	0.159	0.0392	0.00002	48.7	0.0000509	0.00235
2043 Oct	484	1.49	3.21	0.0579	214	0.0928	81.2	0.00118	0.000681	0.000006	0.948	0.00645	0.112	0.0264	0.000016	32.7	0.000035	0.00173
2043 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-2: EWTP-Total

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	0.00227	0.0022	1.14	0.00000683	5.17	8.39	0.119	0.000992	89.9	0.00578	0.0123	0.000302	0.000515	0.000224	0.438	0.0000181	0.000598	0.0023	0.00282	0.000872
Operations (2020-2043): Mean	0.00247	0.00317	1.19	0.0000119	12.7	17.5	0.306	0.002	238	0.0107	0.092	0.000642	0.000975	0.000436	1.43	0.0000729	0.00186	0.00278	0.00413	0.00206
Operations (2020-2043): Max	0.00269	0.0043	1.26	0.0000157	29.6	32.7	0.745	0.00367	543	0.0176	0.725	0.00152	0.00209	0.000834	3.8	0.000216	0.00388	0.00328	0.00582	0.00382
NWB Water License/MDMER	**-**	***0.2***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	***0.5***	***2***	***0.1***	**-**	**-**	**-**	**-**	**-**	**-**	***0.4***	***0.37***
Note: Calculation excludes zero value																				
Model Predictions (2020-2043)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0.00248	0.00282	1.2	0.00000973	15.5	14	0.439	0.00174	285	0.0103	0.725	0.00059	0.000515	0.000291	2.35	0.000134	0.00214	0.00259	0.00434	0.00227
2020 Jul	0.00251	0.00302	1.2	0.0000104	19	19.7	0.482	0.0022	339	0.0117	0.618	0.00066	0.000709	0.000399	2.47	0.000136	0.00267	0.00268	0.00462	0.00251
2020 Aug	0.00254	0.00315	1.2	0.0000106	21.4	24.2	0.518	0.00245	379	0.0127	0.687	0.000702	0.00081	0.00047	2.55	0.000138	0.00299	0.00273	0.00477	0.00266
2020 Sep	0.00255	0.00333	1.19	0.0000104	25.3	30.4	0.552	0.00299	438	0.0142	0.629	0.000777	0.00104	0.000604	2.61	0.000136	0.00365	0.00276	0.00483	0.00293
2020 Oct	0.00236	0.00248	1.15	0.00000683	16.6	20.8	0.363	0.0019	289	0.00956	0.384	0.000498	0.000649	0.000395	1.66	0.0000881	0.00234	0.00243	0.00349	0.00187
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0.00242	0.00307	1.16	0.00000963	21.8	23.3	0.529	0.00242	395	0.013	0.654	0.000532	0.000739	0.00045	2.73	0.000152	0.00305	0.00247	0.00464	0.00283
2021 Jul	0.00246	0.00332	1.17	0.0000107	24.7	26.6	0.607	0.00267	452	0.0147	0.642	0.000553	0.000798	0.000497	3.13	0.000175	0.00339	0.00252	0.00511	0.00321
2021 Aug	0.00248	0.00343	1.17	0.000011	26.5	29.6	0.647	0.00279	484	0.0155	0.629	0.000564	0.00083	0.000532	3.27	0.000183	0.00357	0.00255	0.0053	0.00336
2021 Sep	0.00248	0.00347	1.17	0.0000109	27.6	31.6	0.662	0.00287	501	0.0159	0.555	0.000574	0.000864	0.000562	3.29	0.000184	0.00369	0.00256	0.00532	0.00341
2021 Oct	0.00234	0.00265	1.14	0.00000749	18.5	21.7	0.443	0.00192	335	0.0109	0.328	0.000416	0.000584	0.000385	2.16	0.000121	0.00247	0.00234	0.00391	0.00225
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0.00244	0.0034	1.16	0.0000107	26.2	28.2	0.636	0.00278	476	0.0154	0.342	0.000536	0.000839	0.000525	3.29	0.000185	0.00359	0.00248	0.00525	0.00339
2022 Jul	0.00241	0.00326	1.16	0.0000108	23.6	23.7	0.602	0.00248	436	0.0145	0.211	0.000458	0.000735	0.000444	3.23	0.000184	0.00323	0.00242	0.00521	0.00323
2022 Aug	0.00243	0.00337	1.16	0.0000111	25.4	26.3	0.643	0.00262	468	0.0153	0.213	0.000472	0.000773	0.000478	3.39	0.000193	0.00342	0.00245	0.00541	0.0034
2022 Sep	0.00244	0.00343	1.16	0.0000111	26.5	28.4	0.657	0.00273	484	0.0158	0.201	0.000497	0.000831	0.000512	3.41	0.000193	0.00357	0.00247	0.00543	0.00346
2022 Oct	0.00232	0.00263	1.14	0.00000761	17.8	19.7	0.436	0.00184	323	0.0109	0.123	0.000376	0.000578	0.000356	2.21	0.000125	0.0024	0.0023	0.00397	0.00227
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0.00244	0.00329	1.16	0.0000105	23.7	23.5	0.615	0.00247	437	0.0146	0.136	0.000493	0.000746	0.000438	3.29	0.000188	0.00323	0.00244	0.00517	0.00328
2023 Jul	0.00247	0.00351	1.16	0.0000112	26.7	27.8	0.685	0.00272	492	0.0162	0.14	0.000522	0.000824	0.000496	3.6	0.000205	0.00357	0.0025	0.00555	0.00359
2023 Aug	0.00249	0.00363	1.16	0.0000115	28.5	30.8	0.725	0.00287	525	0.0171	0.143	0.000543	0.000874	0.000537	3.75	0.000213	0.00378	0.00254	0.00574	0.00375
2023 Sep	0.0025	0.00369	1.16	0.0000116	29.6	32.7	0.745	0.00295	543	0.0176	0.143	0.000552	0.000903	0.000562	3.8	0.000216	0.00388	0.00256	0.00582	0.00382
2023 Oct	0.00236	0.00278	1.14	0.00000798	19.5	22.1	0.493	0.00193	357	0.0119	0.0917	0.000396	0.000593	0.000375	2.47	0.000141	0.00254	0.00235	0.00422	0.00249
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0.0025	0.00339	1.18	0.0000109	23.4	23.5	0.62	0.00242	431	0.0148	0.109	0.000577	0.000766	0.000442	3.28	0.000187	0.00314	0.00255	0.00523	0.00325
2024 Jul	0.00253	0.00359	1.18	0.0000117	25.5	26.1	0.676	0.00262	472	0.016	0.118	0.000613	0.000829	0.000483	3.55	0.000202	0.00341	0.00261	0.00558	0.00353
2024 Aug	0.00255	0.0037	1.19	0.0000121	27.1	28.5	0.709	0.00275	498	0.0168	0.121	0.000634	0.000874	0.000517	3.68	0.000209	0.00358	0.00265	0.00575	0.00366
2024 Sep	0.00256	0.00373	1.18	0.0000119	27.8	30.4	0.713	0.00282	507	0.0171	0.117	0.000649	0.000919	0.000547	3.63	0.000205	0.00368	0.00267	0.00573	0.00366
2024 Oct	0.00238	0.00271	1.15	0.00000785	17.4	19.3	0.445	0.00176	315	0.011	0.0713	0.000441	0.000578	0.000347	2.23	0.000127	0.00229	0.00239	0.00401	0.00225
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0.00247	0.00342	1.17	0.0000112	23.5	24	0.6	0.00252	427	0.0149	0.0989	0.000565	0.000855	0.000469	3.16	0.000178	0.00322	0.00254	0.00523	0.00322
2025 Jul	0.00244	0.00334	1.17	0.0000116	22.3	22.1	0.582	0.00238	409	0.0143	0.0972	0.000508	0.000801	0.00043	3.12	0.000178	0.00305	0.00251	0.00528	0.00314

Appendix D.1-2: EWTP-Total

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Aug	0.00246	0.00346	1.17	0.0000119	24	24.6	0.614	0.00253	437	0.0152	0.1	0.000534	0.00086	0.00047	3.25	0.000184	0.00326	0.00255	0.00546	0.00328
2025 Sep	0.00248	0.00355	1.17	0.0000119	25.3	27.2	0.624	0.00274	456	0.0157	0.098	0.000591	0.000975	0.000529	3.24	0.000181	0.0035	0.00259	0.00549	0.00336
2025 Oct	0.00235	0.00271	1.15	0.00000802	17.5	19.4	0.426	0.00189	311	0.011	0.0643	0.000425	0.000664	0.000371	2.17	0.000121	0.00241	0.00235	0.00401	0.00226
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0.00249	0.00328	1.18	0.0000107	18.6	18.7	0.42	0.00278	327	0.0126	0.0656	0.000715	0.00112	0.000499	2.28	0.000117	0.00299	0.00273	0.0046	0.00274
2026 Jul	0.00255	0.0029	1.21	0.0000126	8.54	10.4	0.194	0.00259	150	0.00848	0.0338	0.000566	0.00088	0.000308	0.959	0.0000398	0.00143	0.00324	0.00415	0.00166
2026 Aug	0.00257	0.003	1.22	0.000013	9.75	13.1	0.211	0.00266	169	0.00913	0.0331	0.000591	0.000947	0.000353	0.967	0.0000391	0.00156	0.00328	0.00424	0.00171
2026 Sep	0.00258	0.00327	1.21	0.0000137	11.5	16.5	0.225	0.00282	194	0.0105	0.0301	0.000671	0.00117	0.000456	0.969	0.0000359	0.00186	0.00328	0.00429	0.0019
2026 Oct	0.00239	0.00263	1.17	0.00000936	8.21	12	0.154	0.00179	138	0.00789	0.0177	0.000501	0.000872	0.000354	0.64	0.000024	0.00134	0.00272	0.00313	0.00135
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0.00246	0.00325	1.18	0.0000115	14.8	16.2	0.315	0.00246	255	0.0117	0.0469	0.000668	0.00119	0.000488	1.66	0.0000806	0.00245	0.00278	0.00431	0.00233
2027 Jul	0.00241	0.00279	1.2	0.0000133	6.59	8.72	0.149	0.0016	116	0.00783	0.0241	0.000459	0.000855	0.000303	0.696	0.0000303	0.00105	0.00288	0.00389	0.00137
2027 Aug	0.00243	0.0029	1.2	0.0000138	7.65	11.1	0.167	0.00169	133	0.00849	0.024	0.000481	0.000918	0.000342	0.713	0.0000303	0.00116	0.00294	0.00402	0.00144
2027 Sep	0.00248	0.0033	1.2	0.0000143	10.9	16.4	0.213	0.0021	184	0.0108	0.0249	0.000601	0.00122	0.000486	0.867	0.0000341	0.00167	0.00301	0.00417	0.00185
2027 Oct	0.00235	0.00262	1.16	0.00000967	8.54	13.6	0.178	0.0014	147	0.00824	0.0189	0.000423	0.000805	0.000352	0.674	0.0000298	0.00118	0.00262	0.00318	0.00131
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0.00243	0.00323	1.17	0.0000121	15.4	17.6	0.354	0.00219	269	0.012	0.053	0.000558	0.00106	0.000459	1.81	0.0000939	0.0023	0.00269	0.00447	0.00235
2028 Jul	0.00238	0.00275	1.19	0.0000133	6.7	8.86	0.154	0.00151	119	0.00784	0.0251	0.000397	0.000828	0.000295	0.728	0.0000337	0.00103	0.0028	0.0039	0.00138
2028 Aug	0.00239	0.00283	1.2	0.0000141	6.95	9.76	0.156	0.00158	123	0.00816	0.0244	0.00041	0.000874	0.000314	0.704	0.0000314	0.00106	0.00287	0.00402	0.00141
2028 Sep	0.00241	0.00295	1.2	0.0000147	7.97	11.8	0.167	0.0017	135	0.00871	0.0237	0.000443	0.000951	0.000358	0.706	0.0000299	0.0012	0.0029	0.0041	0.00147
2028 Oct	0.00229	0.0023	1.16	0.00000906	5.89	8.79	0.121	0.00117	96.6	0.0062	0.0151	0.000334	0.000625	0.000254	0.49	0.0000215	0.000895	0.00248	0.00288	0.000983
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0.00246	0.00344	1.18	0.0000122	13.7	15.8	0.243	0.00266	206	0.0117	0.0329	0.000759	0.00144	0.000565	1.27	0.0000523	0.00251	0.00281	0.00406	0.0022
2029 Jul	0.00237	0.00272	1.19	0.0000124	6.95	8.53	0.156	0.00159	119	0.00765	0.0263	0.000422	0.000821	0.000293	0.784	0.0000366	0.00114	0.00275	0.00381	0.00135
2029 Aug	0.00236	0.00265	1.19	0.0000131	5.8	8.65	0.127	0.00141	98.9	0.00709	0.0195	0.000381	0.000786	0.000279	0.539	0.0000229	0.000897	0.00278	0.00374	0.00117
2029 Sep	0.00238	0.00277	1.19	0.0000134	7.13	11.1	0.147	0.00152	118	0.00787	0.0196	0.000421	0.000871	0.00033	0.585	0.0000241	0.00108	0.00279	0.00379	0.00127
2029 Oct	0.00227	0.0022	1.16	0.00000906	5.36	8.39	0.119	0.000992	89.9	0.00578	0.015	0.000302	0.000545	0.000224	0.459	0.0000218	0.000747	0.00246	0.0029	0.000872
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0.00241	0.00316	1.18	0.0000116	13.7	14.7	0.297	0.0022	219	0.0111	0.0451	0.000614	0.00111	0.000455	1.58	0.0000782	0.00226	0.00267	0.0042	0.00217
2030 Jul	0.00237	0.00266	1.19	0.0000127	6.48	8.53	0.153	0.00138	110	0.00724	0.0247	0.000421	0.000764	0.000279	0.718	0.0000341	0.001	0.00274	0.00378	0.00126
2030 Aug	0.00239	0.00273	1.2	0.0000132	6.57	10.3	0.149	0.00139	114	0.00754	0.0207	0.000436	0.000821	0.000307	0.6	0.0000264	0.000968	0.0028	0.0038	0.00124
2030 Sep	0.00242	0.00295	1.2	0.0000139	8.09	13.1	0.175	0.0016	139	0.00871	0.0219	0.000493	0.000958	0.000374	0.68	0.0000288	0.00119	0.00287	0.00396	0.00143
2030 Oct	0.00231	0.00241	1.17	0.00000973	6.61	11.2	0.154	0.00111	121	0.0069	0.0178	0.000346	0.000637	0.000275	0.57	0.0000275	0.000869	0.00253	0.00309	0.00108
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0.00251	0.00332	1.2	0.0000119	14.7	17.2	0.341	0.00221	236	0.0117	0.0484	0.000737	0.0011	0.000478	1.68	0.0000843	0.00227	0.00282	0.0043	0.00225
2031 Jul	0.00257	0.00311	1.24	0.000014	7.21	11.1	0.189	0.00162	129	0.00839	0.0264	0.000713	0.000904	0.000352	0.784	0.0000342	0.00108	0.00308	0.00396	0.00144
2031 Aug	0.0026	0.00327	1.25	0.0000144	8.55	13.8	0.213	0.00179	149	0.00935	0.0265	0.000754	0.00101	0.000407	0.824	0.0000347	0.00125	0.00315	0.00408	0.00157
2031 Sep	0.00263	0.00382	1.22	0.0000142	11.6	19.1	0.243	0.00249	204	0.0123	0.0258	0.000901	0.00149	0.0006	0.976	0.0000359	0.00191	0.0032	0.0042	0.00216
2031 Oct	0.00243	0.00307	1.17	0.00000922	8.29	14.9	0.174	0.00183	164	0.00948	0.0171	0.000637	0.00112	0.000455	0.69	0.0000263	0.00137	0.00273	0.00316	0.0016
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-2: EWTP-Total

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0.0026	0.0043	1.18	0.0000118	19.7	23.9	0.36	0.00367	291	0.0164	0.0445	0.00114	0.00209	0.000834	1.88	0.000078	0.00364	0.00305	0.00467	0.00322
2032 Jul	0.00245	0.00333	1.18	0.0000123	8.38	14.5	0.193	0.00199	185	0.0102	0.0259	0.000639	0.00123	0.000463	0.882	0.0000384	0.00139	0.0029	0.00401	0.00185
2032 Aug	0.00245	0.00338	1.19	0.000013	7.1	14.8	0.162	0.00185	176	0.01	0.0193	0.000624	0.00127	0.000473	0.658	0.0000254	0.00117	0.00293	0.00393	0.00177
2032 Sep	0.00246	0.00349	1.19	0.0000132	8.12	17.1	0.18	0.00194	194	0.0107	0.0193	0.000651	0.00134	0.000515	0.686	0.0000259	0.00129	0.00295	0.00399	0.00185
2032 Oct	0.00232	0.00255	1.16	0.00000867	5.27	11.1	0.121	0.00119	124	0.00707	0.0123	0.000434	0.000812	0.000321	0.438	0.0000181	0.000807	0.00254	0.00294	0.00114
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0.00257	0.00362	1.2	0.0000111	16.1	19.6	0.347	0.00263	245	0.0131	0.0453	0.000946	0.00145	0.000605	1.72	0.0000801	0.00271	0.00293	0.00433	0.00254
2033 Jul	0.00261	0.00346	1.24	0.0000131	7.34	15.4	0.194	0.00178	174	0.00971	0.0222	0.000863	0.00118	0.000467	0.739	0.0000293	0.00115	0.00315	0.00394	0.0017
2033 Aug	0.00264	0.00355	1.25	0.0000139	6.69	15.9	0.184	0.00173	172	0.00978	0.0192	0.000883	0.00122	0.000478	0.622	0.0000224	0.000999	0.00323	0.00398	0.00168
2033 Sep	0.00264	0.0039	1.23	0.0000141	9.93	20.2	0.231	0.00225	213	0.0121	0.0226	0.000929	0.0015	0.000607	0.852	0.0000311	0.00159	0.00322	0.00413	0.00216
2033 Oct	0.00239	0.00279	1.17	0.00000891	6.81	13	0.163	0.00143	144	0.00805	0.0176	0.000524	0.000866	0.000365	0.632	0.0000278	0.00103	0.00261	0.00298	0.00137
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0.00253	0.00349	1.2	0.0000115	12.7	17.7	0.29	0.00226	216	0.0116	0.0382	0.000796	0.00123	0.00052	1.37	0.0000643	0.00205	0.00286	0.00399	0.00217
2034 Jul	0.0026	0.00357	1.23	0.0000132	8.14	16.7	0.204	0.00197	183	0.0102	0.0234	0.000836	0.00123	0.000494	0.793	0.0000315	0.00129	0.00311	0.00391	0.00182
2034 Aug	0.00263	0.00372	1.24	0.0000141	7.39	17.4	0.193	0.00194	186	0.0105	0.0206	0.000872	0.0013	0.000515	0.683	0.0000249	0.00114	0.00321	0.00399	0.00184
2034 Sep	0.00266	0.00416	1.22	0.0000143	10.7	22.3	0.237	0.00254	232	0.013	0.023	0.000982	0.00167	0.000673	0.901	0.0000314	0.00179	0.00324	0.0042	0.00237
2034 Oct	0.00242	0.00312	1.17	0.00000928	7.54	16	0.17	0.00172	171	0.0093	0.0162	0.000622	0.0011	0.000456	0.641	0.0000251	0.00122	0.0027	0.00311	0.00161
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0.00251	0.00351	1.19	0.0000114	13.6	18.4	0.307	0.00235	230	0.0121	0.0417	0.000786	0.0013	0.00054	1.51	0.0000721	0.00223	0.00283	0.00417	0.00233
2035 Jul	0.0025	0.00325	1.21	0.0000131	6.51	14.2	0.172	0.00169	164	0.00891	0.0225	0.000658	0.00106	0.000411	0.701	0.00003	0.00102	0.00297	0.00386	0.00163
2035 Aug	0.00252	0.00331	1.22	0.0000138	6.45	15.2	0.168	0.00165	162	0.00909	0.0196	0.000664	0.0011	0.000429	0.605	0.000024	0.00097	0.00302	0.00391	0.00161
2035 Sep	0.00256	0.00389	1.2	0.0000138	10.3	23.1	0.222	0.00242	246	0.0122	0.022	0.000813	0.00156	0.000631	0.86	0.0000316	0.00172	0.00304	0.00411	0.00227
2035 Oct	0.0024	0.00305	1.16	0.00000926	7.23	17.2	0.156	0.00172	187	0.00891	0.0147	0.000594	0.00111	0.000456	0.595	0.0000226	0.00122	0.00264	0.00312	0.00158
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	0.00256	0.00405	1.18	0.000012	16.8	25.5	0.336	0.00311	285	0.0147	0.0397	0.000998	0.00177	0.000734	1.59	0.0000689	0.00294	0.00296	0.00446	0.00283
2036 Jul	0.00248	0.00355	1.19	0.0000131	8.47	19.9	0.19	0.00218	238	0.0104	0.0235	0.000954	0.00127	0.000511	0.771	0.0000325	0.00152	0.00291	0.00405	0.00191
2036 Aug	0.00248	0.00354	1.2	0.0000138	7.71	19.7	0.168	0.00214	233	0.0101	0.02	0.00109	0.00124	0.000499	0.614	0.0000244	0.00144	0.00294	0.00405	0.00179
2036 Sep	0.00252	0.00379	1.19	0.000014	10.7	22.9	0.206	0.00261	254	0.0117	0.0217	0.00138	0.00144	0.0006	0.756	0.0000285	0.00207	0.00299	0.00417	0.00211
2036 Oct	0.00236	0.00287	1.16	0.00000911	8.02	15.4	0.145	0.00191	172	0.00836	0.0149	0.00117	0.00096	0.000417	0.541	0.0000218	0.00166	0.00256	0.00304	0.00148
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	0.00259	0.00352	1.21	0.0000113	15.3	19.9	0.342	0.00252	238	0.0123	0.0442	0.0012	0.00123	0.000551	1.59	0.0000764	0.00258	0.00293	0.00419	0.00233
2037 Jul	0.00263	0.00356	1.24	0.0000137	9.18	17.6	0.208	0.00228	203	0.0103	0.0244	0.00145	0.00116	0.000499	0.773	0.0000316	0.00167	0.00314	0.00393	0.00187
2037 Aug	0.00266	0.00372	1.24	0.0000146	9.4	19.1	0.211	0.00237	213	0.0109	0.0225	0.00152	0.00125	0.000538	0.718	0.0000275	0.00169	0.00322	0.00401	0.00196
2037 Sep	0.00268	0.00392	1.24	0.0000151	11	21.8	0.243	0.00258	236	0.0122	0.0243	0.00149	0.00139	0.000604	0.828	0.0000317	0.00188	0.00327	0.00416	0.0022
2037 Oct	0.00243	0.00285	1.18	0.0000101	7.09	13.5	0.165	0.00159	151	0.00817	0.0177	0.000806	0.000856	0.000375	0.599	0.0000261	0.00113	0.00269	0.00307	0.00144
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-2: EWTP-Total

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	0.00257	0.00329	1.22	0.0000118	13	16.5	0.333	0.00199	215	0.0109	0.0464	0.00087	0.00096	0.000439	1.56	0.0000796	0.00191	0.00289	0.0041	0.00209
2038 Jul	0.00264	0.00337	1.26	0.0000145	7.41	14.1	0.207	0.00175	160	0.00918	0.0266	0.000874	0.00099	0.000415	0.799	0.0000353	0.00101	0.00315	0.00391	0.00168
2038 Aug	0.00268	0.00354	1.26	0.0000153	8.49	16.6	0.233	0.00188	178	0.0101	0.027	0.000906	0.00107	0.000461	0.831	0.0000358	0.00111	0.00324	0.00407	0.0018
2038 Sep	0.00269	0.00373	1.25	0.0000157	10.2	19.8	0.264	0.00212	206	0.0115	0.028	0.000897	0.00121	0.000531	0.912	0.0000386	0.00132	0.00327	0.00419	0.00203
2038 Oct	0.00245	0.00281	1.19	0.0000106	6.96	13.6	0.18	0.00142	141	0.00806	0.0186	0.000563	0.000796	0.000356	0.616	0.0000276	0.000885	0.00274	0.00312	0.00137
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	0.00251	0.00359	1.19	0.0000121	15.7	19.2	0.335	0.00266	219	0.013	0.0453	0.000818	0.00142	0.00059	1.67	0.0000791	0.0026	0.00285	0.00438	0.00257
2039 Jul	0.00245	0.00325	1.19	0.0000133	9.42	15.6	0.232	0.00192	185	0.0103	0.032	0.000559	0.0011	0.000441	1.04	0.0000506	0.00136	0.00284	0.0041	0.00195
2039 Aug	0.00243	0.00324	1.19	0.000014	7.99	15.7	0.199	0.00179	174	0.00994	0.0249	0.000492	0.00107	0.000436	0.794	0.0000367	0.00106	0.00281	0.00388	0.00184
2039 Sep	0.00242	0.0032	1.19	0.0000142	7.3	14.9	0.178	0.00169	159	0.00952	0.0219	0.000472	0.00104	0.000424	0.684	0.0000305	0.000957	0.00277	0.00377	0.00173
2039 Oct	0.0023	0.00242	1.16	0.00000954	5.17	10.4	0.13	0.00109	107	0.00662	0.0145	0.000335	0.000649	0.000278	0.456	0.0000217	0.000651	0.00246	0.00287	0.00109
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jun	0.00245	0.00297	1.2	0.0000118	11.7	13.4	0.322	0.00161	204	0.00987	0.0508	0.000546	0.000739	0.000336	1.62	0.0000888	0.00158	0.00266	0.00415	0.00195
2040 Jul	0.0025	0.00284	1.23	0.0000132	6.36	10.2	0.181	0.00132	121	0.00745	0.0266	0.000589	0.00072	0.000298	0.759	0.0000372	0.000794	0.00287	0.00371	0.00131
2040 Aug	0.00253	0.00297	1.24	0.0000138	6.82	12.2	0.193	0.00137	131	0.00818	0.0244	0.000632	0.000797	0.000338	0.701	0.0000326	0.000798	0.00298	0.00379	0.00135
2040 Sep	0.00256	0.00326	1.23	0.0000141	8.15	15.6	0.226	0.00156	165	0.00988	0.025	0.000675	0.000961	0.000418	0.767	0.0000347	0.000929	0.00305	0.00392	0.00159
2040 Oct	0.00237	0.00243	1.18	0.00000926	5.33	10.3	0.151	0.000995	110	0.0067	0.0163	0.000439	0.000599	0.000268	0.505	0.0000245	0.000598	0.0026	0.0029	0.00102
2040 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jun	0.00249	0.0036	1.19	0.0000119	12.3	16.4	0.341	0.00178	256	0.0131	0.0494	0.000681	0.00115	0.000486	1.64	0.0000869	0.0016	0.00283	0.00441	0.00236
2041 Jul	0.00239	0.00293	1.19	0.0000132	7.14	11.4	0.191	0.0014	155	0.00878	0.0292	0.000448	0.000877	0.000346	0.881	0.0000449	0.000916	0.00273	0.0039	0.00162
2041 Aug	0.00239	0.00291	1.19	0.0000144	6.1	11.3	0.151	0.0014	134	0.00835	0.0213	0.000422	0.000927	0.000359	0.626	0.0000286	0.000792	0.00277	0.00382	0.00156
2041 Sep	0.00241	0.00306	1.19	0.0000146	7.28	13.8	0.177	0.00152	155	0.00934	0.0218	0.00046	0.00102	0.00041	0.676	0.0000301	0.000931	0.00282	0.00391	0.00168
2041 Oct	0.00231	0.00245	1.16	0.00000997	5.68	10.8	0.141	0.00108	118	0.0071	0.0153	0.000348	0.000708	0.000299	0.498	0.0000233	0.000705	0.00252	0.00302	0.00119
2041 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jun	0.00241	0.00314	1.18	0.0000123	11.4	15.3	0.303	0.00163	230	0.011	0.0444	0.000509	0.000955	0.000411	1.45	0.0000772	0.0015	0.00269	0.00423	0.00207
2042 Jul	0.00237	0.00278	1.19	0.0000131	7.25	11.4	0.188	0.00131	146	0.00809	0.0283	0.000424	0.000808	0.000323	0.848	0.0000431	0.000992	0.00268	0.00391	0.00148
2042 Aug	0.00238	0.00284	1.19	0.000013	8.6	14.6	0.209	0.00147	166	0.00864	0.0262	0.000454	0.000869	0.000375	0.838	0.0000403	0.00118	0.00268	0.00383	0.00153
2042 Sep	0.00239	0.00291	1.18	0.0000128	9.84	17.1	0.232	0.00162	186	0.00923	0.0259	0.000469	0.000901	0.000416	0.874	0.0000409	0.00134	0.00265	0.00376	0.00159
2042 Oct	0.00228	0.00227	1.16	0.00000862	6.64	11.9	0.159	0.00108	124	0.00646	0.0164	0.000336	0.000576	0.000279	0.561	0.0000271	0.000882	0.00238	0.00282	0.00102
2042 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jun	0.00241	0.00281	1.19	0.000011	13.2	15.4	0.338	0.00171	245	0.00941	0.051	0.000567	0.00075	0.000367	1.7	0.0000907	0.00186	0.00257	0.00407	0.00197
2043 Jul	0.00247	0.00274	1.23	0.0000125	7.83	11.9	0.208	0.00134	141	0.00727	0.0294	0.000618	0.000689	0.00031	0.892	0.0000439	0.00109	0.00278	0.00376	0.00127
2043 Aug	0.0025	0.00286	1.23	0.0000129	9.01	14.5	0.231	0.00147	158	0.00798	0.0292	0.00066	0.000769	0.000356	0.914	0.0000435	0.00123	0.00285	0.00386	0.00135
2043 Sep	0.00252	0.00303	1.23	0.0000131	11.1	18.7	0.262	0.00175	190	0.00912	0.028	0.00072	0.00094	0.000447	0.959	0.0000423	0.00154	0.00289	0.00393	0.00153
2043 Oct	0.00235	0.00239	1.18	0.00000888	7.64	12.9	0.18	0.00122	130	0.00666	0.0192	0.000493	0.000644	0.00031	0.668	0.0000307	0.00106	0.00251	0.00299	0.00107
2043 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-3: Waterline-Dissolved

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	541	1.83	4.14	0.0898	282	0.0413	57.6	0.000533	0.000339	0.00000565	0.00329	0.00305	0.0736	0.0124	0.00000444	22	0.0000218	0.000517
Operations (2020-2043): Mean	7260	11.9	19.2	0.49	4170	0.111	474	0.0106	0.00181	0.0000652	0.0104	0.0321	0.291	0.0653	0.0000206	226	0.0001	0.00212
Operations (2020-2043): Max	19100	40.9	59.5	2.12	11100	0.223	1160	0.0545	0.00661	0.000168	0.0158	0.127	0.564	0.132	0.0000361	569	0.000209	0.00519
MDMER	**-**	***19***	**-**	**-**	**-**	**-**	**-**	***0.5***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2045)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-3: Waterline-Dissolved

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	7090	15.2	22	0.787	4120	0.0501	431	0.0203	0.00246	0.0000622	0.00498	0.0471	0.208	0.0488	0.0000132	211	0.0000771	0.00095
2025 Jul	19100	40.9	59.5	2.12	11100	0.138	1160	0.0545	0.00661	0.000168	0.0136	0.127	0.564	0.132	0.000036	569	0.000209	0.00263
2025 Aug	18600	39.9	58.7	2.06	10800	0.141	1140	0.053	0.00644	0.000163	0.0138	0.125	0.559	0.13	0.0000361	555	0.000206	0.00279
2025 Sep	5880	13.4	23.8	0.719	3310	0.223	434	0.0154	0.00241	0.0000519	0.0107	0.043	0.342	0.0667	0.0000216	192	0.000108	0.00323
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	4030	6.69	9.73	0.32	2340	0.0458	248	0.00639	0.000955	0.0000395	0.00397	0.016	0.135	0.0364	0.0000108	121	0.0000516	0.000606
2026 Jul	11500	18.9	26.7	0.881	6700	0.0978	699	0.0183	0.00274	0.000114	0.0112	0.0453	0.357	0.102	0.0000317	346	0.000142	0.00142
2026 Aug	9210	15.5	22.5	0.691	5320	0.107	577	0.0147	0.00239	0.0000915	0.0119	0.0392	0.326	0.0898	0.000031	284	0.000125	0.00183
2026 Sep	3980	7.68	11.8	0.304	2250	0.106	280	0.00653	0.00144	0.0000406	0.0103	0.0204	0.219	0.0535	0.0000222	134	0.0000746	0.00171
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	4960	6.26	9.17	0.293	2880	0.0413	299	0.0066	0.000984	0.0000489	0.00436	0.0168	0.151	0.0414	0.0000113	147	0.0000604	0.000562
2027 Jul	14300	17.6	25.2	0.814	8340	0.0923	854	0.0192	0.00285	0.000142	0.0124	0.048	0.412	0.117	0.0000323	424	0.00017	0.00134
2027 Aug	12500	15.2	22.4	0.697	7280	0.0997	760	0.017	0.00266	0.000124	0.013	0.0445	0.387	0.107	0.0000311	376	0.000156	0.00165
2027 Sep	4120	6.34	10.7	0.253	2330	0.127	295	0.00623	0.00148	0.0000413	0.0121	0.0206	0.249	0.0525	0.0000201	138	0.0000825	0.00191
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	5470	5.73	8.71	0.294	3170	0.0466	331	0.00734	0.00111	0.0000527	0.00487	0.0188	0.168	0.0437	0.0000122	162	0.0000657	0.000646
2028 Jul	13600	14.2	20.9	0.714	7880	0.1	814	0.0183	0.00282	0.000131	0.0126	0.0463	0.411	0.107	0.0000318	402	0.000161	0.00135
2028 Aug	13000	14	20.7	0.694	7560	0.111	790	0.0178	0.0028	0.000126	0.0134	0.0453	0.423	0.105	0.0000337	388	0.00016	0.00142
2028 Sep	6460	7.99	12.4	0.368	3710	0.111	418	0.00938	0.00186	0.0000635	0.0119	0.0263	0.28	0.0627	0.0000237	202	0.0000991	0.0015
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	4810	5.11	7.92	0.262	2790	0.0481	293	0.00653	0.00101	0.0000448	0.00456	0.017	0.157	0.0373	0.0000101	143	0.000058	0.000581
2029 Jul	11200	11.8	18.2	0.603	6490	0.106	681	0.0153	0.00248	0.000105	0.0115	0.0399	0.358	0.0875	0.0000251	334	0.000136	0.00131
2029 Aug	12500	13.4	20.6	0.657	7260	0.102	761	0.0174	0.00273	0.000117	0.0126	0.0464	0.39	0.096	0.0000281	374	0.000148	0.0016
2029 Sep	7200	8.52	13.7	0.391	4140	0.102	460	0.0104	0.00195	0.0000675	0.0116	0.0296	0.279	0.0637	0.0000212	223	0.000101	0.0016
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	5170	5.02	7.77	0.263	3000	0.042	312	0.00676	0.00104	0.0000473	0.00432	0.0179	0.154	0.0376	0.00000964	153	0.000059	0.000517
2030 Jul	13900	13.8	21.1	0.705	8090	0.098	837	0.0181	0.00282	0.000127	0.012	0.0483	0.405	0.1	0.0000264	413	0.000157	0.00132
2030 Aug	14000	14.5	22.5	0.706	8130	0.101	851	0.0185	0.00288	0.000127	0.0131	0.0507	0.42	0.102	0.0000282	418	0.00016	0.00171
2030 Sep	4510	5.44	8.93	0.247	2570	0.103	308	0.00654	0.00156	0.0000429	0.0109	0.0196	0.218	0.0475	0.0000167	147	0.0000775	0.00144
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-3: Waterline-Dissolved

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	5590	5.33	8.34	0.275	3250	0.0452	340	0.00773	0.00115	0.0000506	0.00466	0.0208	0.169	0.0423	0.0000109	168	0.0000634	0.000628
2031 Jul	15300	14.8	22.6	0.755	8900	0.0997	921	0.021	0.00317	0.000139	0.0126	0.056	0.44	0.114	0.0000298	458	0.000169	0.00145
2031 Aug	12000	12.5	19.8	0.605	6910	0.11	740	0.0168	0.00265	0.000108	0.0125	0.0469	0.39	0.0955	0.0000269	364	0.000143	0.00185
2031 Sep	6420	9.7	18.2	0.39	3620	0.163	462	0.00905	0.00165	0.0000543	0.0133	0.0303	0.359	0.0653	0.0000224	207	0.000105	0.00261
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	3820	4.04	7.21	0.197	2190	0.0639	249	0.00541	0.000867	0.0000336	0.00491	0.0158	0.158	0.0318	0.00000961	116	0.000052	0.000829
2032 Jul	6510	7.63	13.6	0.363	3720	0.137	442	0.00911	0.0017	0.0000575	0.0111	0.0273	0.307	0.0591	0.00002	202	0.0000994	0.00169
2032 Aug	8530	10.1	17.7	0.462	4900	0.138	561	0.0119	0.00199	0.0000743	0.0123	0.0357	0.362	0.0719	0.0000247	260	0.000117	0.00207
2032 Sep	12800	14.6	25.3	0.663	7390	0.132	800	0.0178	0.00254	0.00011	0.0132	0.0529	0.453	0.0974	0.0000318	380	0.000151	0.0027
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	4770	4.27	7.68	0.206	2760	0.0487	294	0.00671	0.000977	0.0000414	0.00448	0.0194	0.16	0.0369	0.00000975	143	0.0000558	0.000778
2033 Jul	11200	10.9	19.2	0.514	6460	0.126	700	0.0154	0.00239	0.0000969	0.0121	0.0451	0.395	0.0908	0.0000246	338	0.000136	0.00196
2033 Aug	11500	11.4	19.9	0.524	6650	0.13	721	0.0158	0.00245	0.0000992	0.0129	0.0467	0.413	0.0938	0.0000258	348	0.000141	0.00214
2033 Sep	12500	13.8	25.5	0.588	7220	0.146	787	0.0172	0.0025	0.000105	0.0142	0.0538	0.465	0.0991	0.0000291	375	0.000152	0.00318
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	4240	4.43	7.85	0.176	2450	0.0504	266	0.0059	0.000907	0.0000364	0.00462	0.0178	0.15	0.0336	0.0000094	128	0.0000513	0.000885
2034 Jul	11200	13.4	23.4	0.502	6440	0.136	706	0.015	0.00239	0.000095	0.0132	0.0466	0.409	0.0907	0.0000265	339	0.000138	0.00254
2034 Aug	11600	14.3	24.4	0.522	6690	0.138	734	0.0154	0.00246	0.0000985	0.0138	0.0481	0.426	0.0938	0.0000279	352	0.000143	0.00263
2034 Sep	12300	18	32.2	0.604	7080	0.155	782	0.0161	0.00242	0.000101	0.0151	0.0538	0.477	0.0978	0.0000312	369	0.000151	0.00376
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	4220	4.72	8.07	0.188	2440	0.0494	265	0.00564	0.000886	0.0000361	0.00452	0.0175	0.148	0.0324	0.00000955	128	0.0000509	0.000876
2035 Jul	11500	14.8	23.9	0.563	6650	0.124	721	0.0146	0.0024	0.0000989	0.0126	0.046	0.398	0.089	0.0000274	348	0.000138	0.00228
2035 Aug	11300	15.5	24.9	0.569	6510	0.128	715	0.0143	0.00239	0.0000966	0.0136	0.0464	0.409	0.0899	0.0000294	343	0.000139	0.00269
2035 Sep	11100	18.2	32.5	0.616	6330	0.161	726	0.0142	0.00224	0.0000894	0.0158	0.0509	0.466	0.0915	0.0000329	338	0.000144	0.00444
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	5050	6.66	11.1	0.238	2910	0.0623	325	0.00673	0.00103	0.0000421	0.0058	0.0219	0.188	0.0381	0.0000118	153	0.0000619	0.00132
2036 Jul	12100	18.7	30	0.625	6980	0.143	781	0.0157	0.00249	0.000101	0.0146	0.0518	0.448	0.0917	0.0000297	369	0.000149	0.00329
2036 Aug	12300	20.1	31.4	0.644	7100	0.141	793	0.016	0.00255	0.000103	0.0151	0.0528	0.453	0.0934	0.0000306	375	0.000151	0.00339
2036 Sep	12300	21.5	34.2	0.66	7090	0.144	794	0.0162	0.00245	0.000101	0.0152	0.055	0.467	0.094	0.0000311	375	0.000151	0.00399
2036 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-3: Waterline-Dissolved

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	4610	8.28	12.5	0.254	2660	0.0539	294	0.00555	0.000873	0.0000386	0.00499	0.0195	0.164	0.036	0.0000104	141	0.0000551	0.00116
2037 Jul	12900	33.2	46.2	0.892	7410	0.132	813	0.0148	0.0024	0.000108	0.014	0.0525	0.443	0.0995	0.000029	393	0.000151	0.00307
2037 Aug	12900	39.9	53.9	1	7400	0.13	817	0.0146	0.00239	0.000108	0.0145	0.053	0.448	0.1	0.0000297	396	0.000152	0.00332
2037 Sep	9920	32.4	43.8	0.801	5690	0.131	655	0.0114	0.00197	0.000083	0.0138	0.0432	0.39	0.0833	0.0000257	313	0.000128	0.00326
2037 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	2250	6.05	9.24	0.197	1280	0.0553	157	0.00235	0.000556	0.0000197	0.00402	0.00956	0.108	0.0247	0.00000698	74.5	0.0000357	0.00092
2038 Jul	5650	19.2	27.5	0.596	3210	0.135	394	0.00544	0.00148	0.0000503	0.0111	0.0226	0.271	0.0649	0.0000183	189	0.0000916	0.0022
2038 Aug	5650	20.5	29.6	0.629	3200	0.137	402	0.00559	0.00151	0.00005	0.0121	0.0244	0.283	0.0666	0.00002	192	0.0000946	0.00279
2038 Sep	4140	15	23.3	0.469	2300	0.137	326	0.00472	0.00132	0.0000358	0.0124	0.0225	0.262	0.0567	0.0000194	151	0.0000827	0.0034
2038 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	655	1.83	4.14	0.0898	342	0.0649	70.7	0.000636	0.000354	0.00000608	0.00384	0.00382	0.0872	0.0142	0.00000495	27	0.0000249	0.000896
2039 Jul	2090	5.88	12.1	0.265	1110	0.159	207	0.00198	0.00101	0.0000189	0.0108	0.0117	0.231	0.0384	0.0000146	82.4	0.0000677	0.00252
2039 Aug	2280	6.68	13.2	0.26	1220	0.151	224	0.00268	0.00109	0.0000201	0.0116	0.0147	0.237	0.0396	0.0000169	91.4	0.0000685	0.00306
2039 Sep	4130	12.2	23.4	0.453	2260	0.167	347	0.00435	0.00127	0.0000348	0.0142	0.025	0.317	0.0579	0.0000248	152	0.0000918	0.00517
2039 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jun	870	2.53	5.58	0.125	470	0.0596	78.8	0.000817	0.000412	0.00000839	0.00376	0.00465	0.081	0.0173	0.00000589	34.4	0.0000252	0.00105
2040 Jul	2190	6.73	13.4	0.326	1190	0.132	191	0.00197	0.00106	0.000022	0.00961	0.0109	0.191	0.044	0.0000147	86.5	0.0000615	0.00232
2040 Aug	2430	8.16	15.3	0.369	1320	0.131	212	0.00244	0.00111	0.0000241	0.0105	0.0133	0.205	0.0469	0.0000163	96.4	0.0000658	0.0028
2040 Sep	2470	9.09	17	0.369	1330	0.13	223	0.00302	0.00106	0.000023	0.011	0.0163	0.22	0.0457	0.0000175	99.6	0.0000666	0.00353
2040 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jun	541	1.99	4.6	0.107	282	0.0602	57.6	0.000533	0.000339	0.00000565	0.00329	0.00305	0.0739	0.0124	0.00000444	22	0.0000218	0.000774
2041 Jul	1590	6.03	12.4	0.303	843	0.144	160	0.00162	0.000962	0.0000169	0.00936	0.00894	0.192	0.0343	0.000013	63.8	0.0000584	0.00205
2041 Aug	2050	8.15	15	0.383	1110	0.134	189	0.00204	0.00104	0.0000216	0.0103	0.0112	0.203	0.0387	0.0000148	79.1	0.0000636	0.00238
2041 Sep	2010	8.15	15	0.344	1070	0.131	195	0.00249	0.00101	0.0000199	0.0109	0.0135	0.212	0.0383	0.0000155	81	0.0000638	0.0029
2041 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jun	686	2.26	5.24	0.113	367	0.0554	65.7	0.00067	0.00036	0.00000735	0.00346	0.00368	0.074	0.014	0.00000497	26.6	0.0000231	0.000877
2042 Jul	1900	6.15	12.8	0.29	1020	0.138	180	0.00202	0.00104	0.0000207	0.0101	0.0108	0.197	0.0388	0.0000145	75	0.0000631	0.00242
2042 Aug	1780	6.01	12	0.232	924	0.138	187	0.00277	0.0011	0.0000181	0.0112	0.0143	0.206	0.0387	0.0000163	77.6	0.0000628	0.00319
2042 Sep	2450	8.88	17.5	0.281	1270	0.146	252	0.00452	0.0012	0.0000227	0.0134	0.0233	0.255	0.0482	0.0000223	108	0.0000743	0.00519
2042 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-3: Waterline-Dissolved

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2043 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jun	661	1.93	4.96	0.0902	346	0.056	66.8	0.000825	0.000381	0.00000705	0.00357	0.00443	0.0736	0.0168	0.0000055	28.6	0.000023	0.00107
2043 Jul	2030	5.75	12.6	0.26	1080	0.139	191	0.0023	0.00111	0.0000227	0.0103	0.0121	0.198	0.049	0.0000158	85.4	0.0000648	0.00273
2043 Aug	2340	6.99	14.1	0.282	1250	0.139	221	0.00298	0.00119	0.0000255	0.0115	0.0159	0.218	0.0528	0.0000182	99.2	0.0000706	0.00344
2043 Sep	1290	4.25	8.66	0.14	634	0.132	160	0.00265	0.00108	0.000013	0.011	0.0131	0.189	0.0407	0.0000149	68.2	0.0000562	0.00292
2043 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Jun	568	1.66	2.56	0.0659	237	0.103	122	0.000251	0.000251	0.00000318	0.00572	0.00243	0.164	0.0091	0.00000319	30.7	0.0000343	0.000396
2044 Jul	1350	3.94	6.08	0.157	565	0.247	289	0.000651	0.000651	0.00000784	0.0137	0.00579	0.391	0.022	0.00000785	73.3	0.000082	0.000947
2044 Aug	536	1.4	2.13	0.0566	216	0.11	129	0.000313	0.000313	0.00000468	0.00742	0.00291	0.175	0.00992	0.00000413	32.2	0.0000446	0.000359
2044 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-3: Waterline-Dissolved

Constituents	**Chromium**	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	0.000178	0.000689	0.0173	0.00000368	6.87	6.25	0.0918	0.00105	151	0.00409	0.084	0.0000822	0.000469	0.000177	0.689	0.0000197	0.00051	0.000378	0.00129	0.00198
Operations (2020-2043): Mean	0.00153	0.00206	0.0656	0.0000105	67.6	31.8	0.267	0.0155	1960	0.0153	0.264	0.000365	0.00384	0.00165	5.62	0.000042	0.00175	0.00249	0.0131	0.0345
Operations (2020-2043): Max	0.00348	0.00326	0.121	0.0000152	166	63.8	0.529	0.0606	5120	0.0277	1.23	0.000809	0.00885	0.00582	14.7	0.000122	0.00362	0.00485	0.0341	0.093
MDMER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Calculation excludes zero values; Values																				
Model Predictions (2020-2045)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-3: Waterline-Dissolved

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0.00129	0.000896	0.0173	0.00000446	61.5	23.2	0.147	0.0226	1900	0.00921	0.442	0.0000822	0.00327	0.00216	5.44	0.000029	0.000842	0.00179	0.0126	0.0345
2025 Jul	0.00348	0.00245	0.047	0.0000123	166	63.2	0.404	0.0606	5120	0.0251	1.2	0.000223	0.00885	0.00582	14.7	0.0000798	0.00233	0.00485	0.0341	0.093
2025 Aug	0.00339	0.00248	0.0464	0.0000125	162	63.8	0.417	0.0588	4980	0.025	1.23	0.000224	0.00862	0.00567	14.3	0.0000804	0.00243	0.00474	0.0331	0.0902
2025 Sep	0.00117	0.00226	0.054	0.0000104	59.1	34.5	0.474	0.0173	1610	0.0159	0.408	0.000376	0.00296	0.00183	5.68	0.000122	0.00285	0.00177	0.0114	0.0261
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0.000866	0.000781	0.0275	0.00000368	35.6	12.5	0.0992	0.00827	1090	0.0065	0.134	0.00014	0.00211	0.00079	3.22	0.0000229	0.000646	0.00132	0.00813	0.0197
2026 Jul	0.00251	0.00213	0.0835	0.0000108	101	34.6	0.229	0.0236	3100	0.0177	0.372	0.000355	0.00606	0.00222	8.95	0.0000456	0.00148	0.00391	0.0233	0.0567
2026 Aug	0.00208	0.00223	0.0887	0.0000115	82.5	34.2	0.255	0.0187	2480	0.0167	0.289	0.000403	0.00501	0.00183	7.19	0.0000442	0.00173	0.0034	0.0189	0.0445
2026 Sep	0.00106	0.002	0.0836	0.0000106	38.7	23	0.213	0.0084	1070	0.0115	0.12	0.000442	0.00255	0.000935	3.26	0.0000326	0.00167	0.00199	0.00881	0.0183
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0.00103	0.000803	0.0237	0.00000387	43.2	14.6	0.0948	0.00866	1330	0.00737	0.132	0.000113	0.00259	0.000842	3.84	0.0000207	0.000585	0.00152	0.00982	0.0244
2027 Jul	0.00299	0.0022	0.0717	0.0000114	124	40.9	0.228	0.0249	3850	0.0204	0.374	0.000282	0.00747	0.00241	10.9	0.0000445	0.00135	0.00445	0.0284	0.0707
2027 Aug	0.00265	0.0023	0.0769	0.0000122	110	40.4	0.247	0.0218	3370	0.0197	0.323	0.000321	0.00666	0.00217	9.54	0.0000429	0.00149	0.00405	0.025	0.0614
2027 Sep	0.00104	0.00234	0.0795	0.0000125	40.9	25.8	0.234	0.00767	1110	0.0136	0.105	0.000455	0.00279	0.00099	3.32	0.0000345	0.00182	0.00194	0.00899	0.0188
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0.00111	0.000908	0.0247	0.0000042	47.5	16.5	0.108	0.00962	1470	0.00818	0.138	0.000123	0.0028	0.000946	4.23	0.0000232	0.000606	0.00164	0.0103	0.0268
2028 Jul	0.00279	0.00237	0.0683	0.0000112	117	40.1	0.228	0.0242	3640	0.0204	0.337	0.000326	0.00706	0.00237	10.3	0.0000423	0.0013	0.00425	0.0257	0.0667
2028 Aug	0.00274	0.00268	0.0732	0.0000119	112	40.2	0.233	0.0236	3500	0.0213	0.322	0.000417	0.00698	0.00235	9.9	0.0000389	0.00138	0.00432	0.0248	0.064
2028 Sep	0.00147	0.00235	0.0749	0.000012	58.2	27	0.203	0.0122	1740	0.0148	0.162	0.000394	0.00383	0.00134	5.02	0.0000306	0.00137	0.00258	0.0129	0.031
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0.000954	0.000896	0.0235	0.00000385	42.2	14.6	0.0964	0.00901	1290	0.00752	0.122	0.000147	0.00246	0.000903	3.73	0.0000208	0.000616	0.00142	0.0087	0.0236
2029 Jul	0.00224	0.00218	0.0669	0.0000109	97.8	34.1	0.215	0.0211	3010	0.0175	0.284	0.000312	0.00574	0.0021	8.63	0.0000444	0.00131	0.00342	0.0205	0.055
2029 Aug	0.00249	0.00235	0.0694	0.0000117	110	40.2	0.238	0.0236	3370	0.0196	0.313	0.000315	0.00636	0.00237	9.48	0.0000414	0.0014	0.00381	0.0227	0.0613
2029 Sep	0.00152	0.00216	0.0721	0.0000117	65.4	29.4	0.208	0.0138	1930	0.0148	0.18	0.000333	0.00395	0.00149	5.5	0.0000317	0.00138	0.00252	0.0136	0.0346
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0.000992	0.000812	0.0237	0.00000388	44.9	14.9	0.0918	0.00976	1390	0.00727	0.13	0.000114	0.00253	0.000964	3.99	0.0000208	0.00051	0.00144	0.00914	0.0255
2030 Jul	0.00268	0.00223	0.0696	0.0000112	121	40.4	0.225	0.0262	3740	0.0197	0.341	0.000293	0.00683	0.00259	10.6	0.000045	0.00123	0.00397	0.0246	0.0687
2030 Aug	0.00272	0.00245	0.0729	0.0000119	123	44.7	0.254	0.0263	3770	0.0212	0.337	0.000333	0.00692	0.00266	10.5	0.0000426	0.0014	0.00409	0.0247	0.0688
2030 Sep	0.00103	0.00203	0.0822	0.000012	41.8	22.4	0.189	0.00886	1210	0.0116	0.113	0.000368	0.0027	0.00104	3.57	0.0000297	0.00123	0.00185	0.00909	0.0213
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-3: Waterline-Dissolved

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0.00111	0.000943	0.0347	0.00000418	48.7	16.9	0.108	0.0112	1500	0.00803	0.143	0.000181	0.00272	0.0011	4.31	0.0000216	0.00058	0.00162	0.0101	0.0275
2031 Jul	0.00305	0.0025	0.103	0.0000118	132	44.9	0.254	0.0305	4110	0.0212	0.384	0.000476	0.00743	0.00299	11.6	0.0000448	0.00129	0.00453	0.0278	0.0755
2031 Aug	0.00245	0.00257	0.0966	0.000012	106	41.4	0.27	0.0241	3210	0.0198	0.299	0.000504	0.00603	0.00246	9.06	0.0000412	0.00158	0.00379	0.0219	0.0583
2031 Sep	0.00148	0.00323	0.0794	0.0000131	65.8	36.8	0.3	0.0138	1750	0.0208	0.152	0.000679	0.00407	0.00168	4.83	0.0000368	0.00267	0.00273	0.012	0.0302
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0.00077	0.00107	0.0254	0.00000461	35.4	14.5	0.115	0.00832	1030	0.00785	0.103	0.000201	0.00206	0.000872	3.01	0.0000228	0.000939	0.00124	0.00723	0.0185
2032 Jul	0.00139	0.00245	0.0665	0.0000118	60.8	28.3	0.23	0.0143	1760	0.0156	0.173	0.000439	0.00376	0.00155	5.13	0.0000424	0.00186	0.00241	0.0128	0.0311
2032 Aug	0.00176	0.00266	0.0644	0.0000134	79.8	35.2	0.254	0.0187	2310	0.0189	0.218	0.000403	0.00473	0.00197	6.48	0.0000397	0.00227	0.00301	0.0161	0.041
2032 Sep	0.00249	0.00266	0.051	0.0000136	119	46.6	0.306	0.0278	3450	0.0237	0.323	0.000301	0.00653	0.00278	9.56	0.0000452	0.00283	0.00401	0.0232	0.0622
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0.000938	0.00093	0.0314	0.00000433	43.3	15.8	0.11	0.0103	1290	0.00779	0.127	0.00019	0.00235	0.00104	3.65	0.0000197	0.000808	0.00142	0.00869	0.0233
2033 Jul	0.00228	0.00259	0.097	0.0000131	102	39.6	0.273	0.0242	3020	0.0196	0.287	0.000538	0.00569	0.00248	8.46	0.0000434	0.00208	0.00357	0.0206	0.0544
2033 Aug	0.00235	0.0027	0.0996	0.0000144	105	41.9	0.283	0.0249	3100	0.0204	0.29	0.000541	0.00591	0.00258	8.63	0.0000404	0.00231	0.0037	0.0211	0.0558
2033 Sep	0.00246	0.00285	0.0717	0.000015	120	49.8	0.354	0.0271	3380	0.0243	0.306	0.000433	0.00635	0.00284	9.25	0.0000461	0.00315	0.00388	0.0222	0.0603
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0.000838	0.000949	0.0319	0.00000436	39.1	15.6	0.118	0.00929	1150	0.00753	0.111	0.000182	0.00207	0.000957	3.24	0.0000201	0.000789	0.00129	0.00758	0.0205
2034 Jul	0.00226	0.00278	0.0928	0.0000134	104	43.4	0.318	0.0243	3020	0.0214	0.277	0.00052	0.00559	0.00254	8.39	0.0000467	0.00231	0.00361	0.0199	0.054
2034 Aug	0.00235	0.00291	0.0956	0.0000145	108	45.5	0.322	0.0253	3140	0.0223	0.281	0.000527	0.00586	0.00265	8.63	0.0000433	0.00245	0.00378	0.0206	0.0559
2034 Sep	0.00243	0.00315	0.069	0.000015	121	52.8	0.393	0.0268	3350	0.0269	0.285	0.000461	0.00622	0.00286	8.97	0.0000467	0.0034	0.00401	0.0211	0.0591
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0.000819	0.000915	0.0275	0.00000427	38.6	15.4	0.117	0.00936	1140	0.00744	0.108	0.000155	0.00204	0.000957	3.24	0.0000206	0.000765	0.00127	0.0074	0.0205
2035 Jul	0.00227	0.00257	0.0817	0.0000128	105	42	0.296	0.0251	3110	0.0204	0.277	0.000407	0.00565	0.00256	8.7	0.000047	0.002	0.00363	0.02	0.0559
2035 Aug	0.00226	0.00271	0.0823	0.000014	104	44.5	0.321	0.0247	3050	0.0213	0.263	0.000414	0.00565	0.00255	8.46	0.000044	0.0023	0.0037	0.0195	0.0544
2035 Sep	0.00221	0.00326	0.0617	0.0000152	112	55.4	0.445	0.0242	3020	0.0277	0.241	0.000444	0.00567	0.00266	8.01	0.0000485	0.00362	0.00386	0.0184	0.0522
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	0.000963	0.00117	0.0254	0.00000512	47.2	20.9	0.155	0.0113	1370	0.00977	0.125	0.000203	0.00248	0.00119	3.8	0.0000227	0.00113	0.00153	0.00852	0.0242
2036 Jul	0.00233	0.00293	0.0671	0.0000138	113	51.7	0.371	0.0268	3280	0.0239	0.285	0.000526	0.00597	0.00283	8.97	0.0000487	0.00272	0.00377	0.0201	0.0578
2036 Aug	0.00238	0.00296	0.0694	0.0000146	115	53.1	0.373	0.0273	3340	0.0241	0.286	0.000579	0.00609	0.00288	9.05	0.000045	0.00284	0.00385	0.0203	0.0587
2036 Sep	0.00236	0.00295	0.0569	0.0000141	118	56	0.412	0.0273	3340	0.0256	0.281	0.000575	0.0061	0.00292	8.98	0.0000446	0.0033	0.00384	0.0198	0.0585
2036 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-3: Waterline-Dissolved

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	0.000901	0.00103	0.0328	0.00000449	42.6	18.4	0.145	0.0105	1240	0.0084	0.119	0.000266	0.0022	0.00109	3.52	0.0000222	0.00095	0.0014	0.00771	0.0222
2037 Jul	0.00254	0.00287	0.0968	0.0000132	118	51.1	0.375	0.0285	3470	0.0231	0.312	0.000773	0.00616	0.00297	9.61	0.00005	0.00245	0.00398	0.0209	0.0617
2037 Aug	0.00255	0.00294	0.0963	0.0000137	118	53.6	0.392	0.0282	3470	0.0236	0.304	0.000789	0.00622	0.00298	9.52	0.0000465	0.00253	0.00402	0.0207	0.0614
2037 Sep	0.00204	0.00284	0.0904	0.0000132	92.5	47.9	0.373	0.0219	2670	0.0209	0.232	0.000809	0.00502	0.0024	7.35	0.0000408	0.00244	0.00331	0.0161	0.0467
2037 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	0.000518	0.000872	0.04	0.00000424	21.5	11.6	0.13	0.00483	607	0.00549	0.119	0.000232	0.00117	0.000542	1.9	0.0000244	0.000708	0.000842	0.00385	0.0104
2038 Jul	0.00137	0.00242	0.121	0.0000125	53.3	29.7	0.313	0.0116	1520	0.0142	0.281	0.000652	0.00308	0.00133	4.64	0.0000532	0.00167	0.0023	0.00933	0.0261
2038 Aug	0.00139	0.00254	0.12	0.0000129	54.6	34	0.36	0.0112	1520	0.0155	0.297	0.000648	0.00311	0.00135	4.55	0.0000529	0.00188	0.00238	0.00901	0.0256
2038 Sep	0.0011	0.00256	0.104	0.0000127	43.5	35.7	0.394	0.00806	1120	0.0156	0.234	0.000585	0.00247	0.0011	3.29	0.0000477	0.00207	0.00204	0.00654	0.0174
2038 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	0.000205	0.000833	0.0255	0.00000426	8.63	7.87	0.117	0.00139	179	0.00453	0.084	0.000178	0.000588	0.000232	0.763	0.0000246	0.000844	0.000428	0.00139	0.00256
2039 Jul	0.000619	0.00229	0.07	0.0000125	25.3	23.6	0.311	0.00418	567	0.0126	0.205	0.000412	0.00171	0.000669	2.08	0.000057	0.0021	0.00131	0.00391	0.00819
2039 Aug	0.000665	0.00241	0.07	0.0000134	27.6	29	0.349	0.00446	619	0.014	0.18	0.000368	0.00179	0.000734	2.02	0.0000504	0.00216	0.00143	0.00396	0.00852
2039 Sep	0.00102	0.00257	0.0561	0.0000137	50	45	0.529	0.00741	1130	0.0195	0.352	0.000321	0.00259	0.00108	3.32	0.0000631	0.00335	0.00204	0.0053	0.0161
2039 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jun	0.000267	0.000782	0.0345	0.00000444	10.4	8.81	0.138	0.00157	238	0.00455	0.142	0.000157	0.000576	0.000226	0.929	0.0000278	0.000749	0.000515	0.00153	0.0034
2040 Jul	0.000719	0.00198	0.0982	0.0000118	25.1	20.9	0.302	0.00396	594	0.0109	0.297	0.000424	0.00154	0.00057	2.17	0.0000556	0.00168	0.0014	0.00384	0.00881
2040 Aug	0.000789	0.0021	0.0977	0.0000122	28.2	25.2	0.338	0.00431	660	0.0123	0.299	0.000436	0.00171	0.000647	2.24	0.0000522	0.00185	0.00155	0.00404	0.00962
2040 Sep	0.000774	0.00215	0.0796	0.0000117	30.3	30.7	0.388	0.00448	671	0.014	0.294	0.000393	0.00175	0.000719	2.11	0.0000484	0.00216	0.00157	0.00387	0.00917
2040 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jun	0.000178	0.000746	0.0239	0.00000402	6.87	6.25	0.111	0.00105	151	0.00409	0.118	0.000128	0.000469	0.000177	0.689	0.0000265	0.000631	0.000378	0.00129	0.00198
2041 Jul	0.000522	0.00197	0.0678	0.0000118	19.3	17.9	0.274	0.00318	437	0.0107	0.271	0.000308	0.00138	0.000502	1.77	0.0000581	0.00163	0.00113	0.00354	0.00599
2041 Aug	0.000636	0.00204	0.0687	0.0000127	23.9	21.8	0.287	0.0039	556	0.0118	0.289	0.000291	0.00169	0.0006	1.94	0.0000492	0.00178	0.00134	0.0039	0.00804
2041 Sep	0.000632	0.00211	0.0629	0.0000126	24.9	25.9	0.321	0.00394	545	0.0129	0.259	0.000299	0.0017	0.000659	1.78	0.0000434	0.00202	0.00137	0.00371	0.00745
2041 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jun	0.000206	0.000689	0.0224	0.00000414	8.34	7.28	0.115	0.00128	189	0.0041	0.165	0.0000999	0.000541	0.000194	0.761	0.0000246	0.000678	0.000417	0.00139	0.00261
2042 Jul	0.000594	0.00191	0.0668	0.000012	22.7	21	0.298	0.00362	518	0.0111	0.318	0.000278	0.00155	0.000555	1.94	0.0000557	0.0018	0.00124	0.00383	0.00727
2042 Aug	0.000574	0.00207	0.0665	0.0000122	23.1	27.3	0.354	0.00349	485	0.0125	0.19	0.000309	0.00147	0.000615	1.69	0.0000505	0.00202	0.00126	0.00362	0.00596
2042 Sep	0.000738	0.00232	0.0535	0.0000122	33.8	42.7	0.525	0.00473	670	0.0171	0.258	0.00028	0.00177	0.000834	2.03	0.0000551	0.00284	0.0016	0.00401	0.00765
2042 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-3: Waterline-Dissolved

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2043 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jun	0.000233	0.000698	0.032	0.00000402	8.59	8.59	0.135	0.00128	182	0.00412	0.168	0.000152	0.000494	0.000199	0.756	0.0000259	0.000753	0.000453	0.00134	0.00231
2043 Jul	0.000734	0.00195	0.0974	0.0000119	24.7	23.6	0.337	0.00389	550	0.0112	0.345	0.000442	0.00159	0.00059	2.07	0.0000574	0.00198	0.00141	0.0039	0.00761
2043 Aug	0.000816	0.00211	0.0933	0.0000122	28.9	29.9	0.39	0.00442	636	0.0131	0.297	0.000445	0.0018	0.000699	2.18	0.0000542	0.00224	0.00159	0.00417	0.00864
2043 Sep	0.000552	0.00205	0.0974	0.0000117	18.6	26.2	0.331	0.0028	348	0.0108	0.113	0.00053	0.00124	0.000576	1.3	0.0000416	0.002	0.00119	0.00307	0.00366
2043 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Jun	0.000315	0.00226	0.0357	0.00000506	3.77	14.8	0.0758	0.00146	150	0.00906	0.00369	0.00123	0.00131	0.000509	0.249	0.000000955	0.000951	0.000736	0.00147	0.00151
2044 Jul	0.000752	0.00541	0.0857	0.0000121	9.01	35.3	0.181	0.00346	358	0.0216	0.00903	0.00293	0.00313	0.00121	0.593	0.00000238	0.00226	0.00176	0.00355	0.00359
2044 Aug	0.000388	0.00313	0.0334	0.0000125	4.51	15.7	0.1	0.0017	126	0.0125	0.00379	0.000934	0.0019	0.00069	0.381	0.00000131	0.00097	0.00101	0.00182	0.00302
2044 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-4: Waterline-Total

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	541	1.83	4.14	0.0898	282	0.0413	57.6	0.000533	0.000339	0.00000651	0.944	0.00404	0.0736	0.0163	0.0000129	22.7	0.0000248	0.000963
Operations (2020-2043): Mean	7260	11.9	19.2	0.49	4170	0.111	474	0.0106	0.00181	0.0000661	0.952	0.0331	0.291	0.0692	0.000029	227	0.000103	0.00257
Operations (2020-2043): Max	19100	40.9	59.5	2.12	11100	0.223	1160	0.0545	0.00661	0.000169	0.957	0.128	0.564	0.136	0.0000445	570	0.000212	0.00563
MDMER	**-**	***19***	**-**	**-**	**-**	**-**	**-**	***0.5***	**-**	**-**	**-**	***0.3***	**-**	**-**	**-**	**-**	**-**	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2045)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-4: Waterline-Total

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	7090	15.2	22	0.787	4120	0.0501	431	0.0203	0.00246	0.000063	0.946	0.0481	0.208	0.0527	0.0000216	211	0.0000801	0.0014
2025 Jul	19100	40.9	59.5	2.12	11100	0.138	1160	0.0545	0.00661	0.000169	0.955	0.128	0.564	0.136	0.0000444	570	0.000212	0.00308
2025 Aug	18600	39.9	58.7	2.06	10800	0.141	1140	0.053	0.00644	0.000164	0.955	0.126	0.559	0.134	0.0000445	556	0.000209	0.00324
2025 Sep	5880	13.4	23.8	0.719	3310	0.223	434	0.0154	0.00241	0.0000527	0.952	0.044	0.342	0.0707	0.00003	193	0.000111	0.00367
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	4030	6.69	9.73	0.32	2340	0.0458	248	0.00639	0.000955	0.0000404	0.945	0.017	0.135	0.0403	0.0000192	122	0.0000546	0.00105
2026 Jul	11500	18.9	26.7	0.881	6700	0.0978	699	0.0183	0.00274	0.000115	0.952	0.0463	0.357	0.106	0.0000402	347	0.000145	0.00187
2026 Aug	9210	15.5	22.5	0.691	5320	0.107	577	0.0147	0.00239	0.0000924	0.953	0.0402	0.326	0.0937	0.0000394	285	0.000128	0.00227
2026 Sep	3980	7.68	11.8	0.304	2250	0.106	280	0.00653	0.00144	0.0000415	0.951	0.0214	0.219	0.0574	0.0000306	135	0.0000776	0.00216
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	4960	6.26	9.17	0.293	2880	0.0413	299	0.0066	0.000984	0.0000497	0.946	0.0178	0.151	0.0454	0.0000197	148	0.0000634	0.00101
2027 Jul	14300	17.6	25.2	0.814	8340	0.0923	854	0.0192	0.00285	0.000143	0.954	0.049	0.412	0.121	0.0000407	424	0.000173	0.00179
2027 Aug	12500	15.2	22.4	0.697	7280	0.0997	760	0.017	0.00266	0.000125	0.954	0.0455	0.387	0.111	0.0000396	377	0.000159	0.00209
2027 Sep	4120	6.34	10.7	0.253	2330	0.127	295	0.00623	0.00148	0.0000421	0.953	0.0216	0.249	0.0564	0.0000285	139	0.0000855	0.00236
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	5470	5.73	8.71	0.294	3170	0.0466	331	0.00734	0.00111	0.0000535	0.946	0.0198	0.168	0.0476	0.0000206	163	0.0000687	0.00109
2028 Jul	13600	14.2	20.9	0.714	7880	0.1	814	0.0183	0.00282	0.000132	0.954	0.0473	0.411	0.111	0.0000402	403	0.000164	0.0018
2028 Aug	13000	14	20.7	0.694	7560	0.111	790	0.0178	0.0028	0.000127	0.955	0.0463	0.423	0.109	0.0000421	389	0.000163	0.00187
2028 Sep	6460	7.99	12.4	0.368	3710	0.111	418	0.00938	0.00186	0.0000643	0.953	0.0273	0.28	0.0666	0.0000321	203	0.000102	0.00195
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	4810	5.11	7.92	0.262	2790	0.0481	293	0.00653	0.00101	0.0000456	0.946	0.018	0.157	0.0412	0.0000186	144	0.000061	0.00103
2029 Jul	11200	11.8	18.2	0.603	6490	0.106	681	0.0153	0.00248	0.000106	0.953	0.0409	0.358	0.0914	0.0000335	334	0.000139	0.00176
2029 Aug	12500	13.4	20.6	0.657	7260	0.102	761	0.0174	0.00273	0.000117	0.954	0.0473	0.39	0.0999	0.0000365	375	0.000151	0.00204
2029 Sep	7200	8.52	13.7	0.391	4140	0.102	460	0.0104	0.00195	0.0000684	0.953	0.0306	0.279	0.0677	0.0000296	224	0.000104	0.00205
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	5170	5.02	7.77	0.263	3000	0.042	312	0.00676	0.00104	0.0000482	0.946	0.0189	0.154	0.0416	0.0000181	154	0.000062	0.000963
2030 Jul	13900	13.8	21.1	0.705	8090	0.098	837	0.0181	0.00282	0.000128	0.953	0.0493	0.405	0.104	0.0000349	413	0.00016	0.00177
2030 Aug	14000	14.5	22.5	0.706	8130	0.101	851	0.0185	0.00288	0.000128	0.954	0.0516	0.42	0.106	0.0000366	419	0.000163	0.00216
2030 Sep	4510	5.44	8.93	0.247	2570	0.103	308	0.00654	0.00156	0.0000437	0.952	0.0206	0.218	0.0514	0.0000251	148	0.0000805	0.00188
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-4: Waterline-Total

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	5590	5.33	8.34	0.275	3250	0.0452	340	0.00773	0.00115	0.0000515	0.946	0.0218	0.169	0.0462	0.0000193	168	0.0000663	0.00107
2031 Jul	15300	14.8	22.6	0.755	8900	0.0997	921	0.021	0.00317	0.00014	0.954	0.0569	0.44	0.118	0.0000382	459	0.000172	0.00189
2031 Aug	12000	12.5	19.8	0.605	6910	0.11	740	0.0168	0.00265	0.000109	0.954	0.0479	0.39	0.0994	0.0000354	365	0.000145	0.0023
2031 Sep	6420	9.7	18.2	0.39	3620	0.163	462	0.00905	0.00165	0.0000551	0.954	0.0312	0.359	0.0692	0.0000308	207	0.000108	0.00306
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	3820	4.04	7.21	0.197	2190	0.0639	249	0.00541	0.000867	0.0000345	0.946	0.0168	0.158	0.0357	0.000018	117	0.000055	0.00128
2032 Jul	6510	7.63	13.6	0.363	3720	0.137	442	0.00911	0.0017	0.0000584	0.952	0.0283	0.307	0.063	0.0000284	203	0.000102	0.00214
2032 Aug	8530	10.1	17.7	0.462	4900	0.138	561	0.0119	0.00199	0.0000751	0.953	0.0367	0.362	0.0758	0.0000331	261	0.00012	0.00252
2032 Sep	12800	14.6	25.3	0.663	7390	0.132	800	0.0178	0.00254	0.000111	0.954	0.0539	0.453	0.101	0.0000402	381	0.000154	0.00314
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	4770	4.27	7.68	0.206	2760	0.0487	294	0.00671	0.000977	0.0000423	0.946	0.0204	0.16	0.0408	0.0000182	143	0.0000588	0.00122
2033 Jul	11200	10.9	19.2	0.514	6460	0.126	700	0.0154	0.00239	0.0000978	0.953	0.046	0.395	0.0947	0.000033	339	0.000139	0.00241
2033 Aug	11500	11.4	19.9	0.524	6650	0.13	721	0.0158	0.00245	0.0001	0.954	0.0476	0.413	0.0977	0.0000342	349	0.000144	0.00258
2033 Sep	12500	13.8	25.5	0.588	7220	0.146	787	0.0172	0.0025	0.000106	0.955	0.0548	0.465	0.103	0.0000375	376	0.000155	0.00363
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	4240	4.43	7.85	0.176	2450	0.0504	266	0.0059	0.000907	0.0000372	0.946	0.0188	0.15	0.0376	0.0000178	129	0.0000543	0.00133
2034 Jul	11200	13.4	23.4	0.502	6440	0.136	706	0.015	0.00239	0.0000959	0.954	0.0476	0.409	0.0946	0.0000349	340	0.000141	0.00299
2034 Aug	11600	14.3	24.4	0.522	6690	0.138	734	0.0154	0.00246	0.0000993	0.955	0.0491	0.426	0.0978	0.0000363	353	0.000146	0.00308
2034 Sep	12300	18	32.2	0.604	7080	0.155	782	0.0161	0.00242	0.000102	0.956	0.0548	0.477	0.102	0.0000397	370	0.000154	0.00421
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	4220	4.72	8.07	0.188	2440	0.0494	265	0.00564	0.000886	0.000037	0.946	0.0185	0.148	0.0363	0.000018	128	0.0000539	0.00132
2035 Jul	11500	14.8	23.9	0.563	6650	0.124	721	0.0146	0.0024	0.0000998	0.954	0.047	0.398	0.0929	0.0000358	349	0.000141	0.00273
2035 Aug	11300	15.5	24.9	0.569	6510	0.128	715	0.0143	0.00239	0.0000974	0.955	0.0474	0.409	0.0938	0.0000378	344	0.000142	0.00313
2035 Sep	11100	18.2	32.5	0.616	6330	0.161	726	0.0142	0.00224	0.0000902	0.957	0.0519	0.466	0.0954	0.0000413	339	0.000147	0.00489
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	5050	6.66	11.1	0.238	2910	0.0623	325	0.00673	0.00103	0.000043	0.947	0.0229	0.188	0.042	0.0000202	154	0.0000649	0.00177
2036 Jul	12100	18.7	30	0.625	6980	0.143	781	0.0157	0.00249	0.000102	0.956	0.0528	0.448	0.0956	0.0000381	369	0.000152	0.00373
2036 Aug	12300	20.1	31.4	0.644	7100	0.141	793	0.016	0.00255	0.000104	0.956	0.0537	0.453	0.0973	0.0000391	376	0.000154	0.00383
2036 Sep	12300	21.5	34.2	0.66	7090	0.144	794	0.0162	0.00245	0.000102	0.956	0.056	0.467	0.098	0.0000395	376	0.000154	0.00443
2036 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-4: Waterline-Total

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	4610	8.28	12.5	0.254	2660	0.0539	294	0.00555	0.000873	0.0000394	0.946	0.0205	0.164	0.0399	0.0000188	142	0.0000581	0.00161
2037 Jul	12900	33.2	46.2	0.892	7410	0.132	813	0.0148	0.0024	0.000109	0.955	0.0535	0.443	0.103	0.0000374	394	0.000154	0.00352
2037 Aug	12900	39.9	53.9	1	7400	0.13	817	0.0146	0.00239	0.000109	0.956	0.054	0.448	0.104	0.0000382	396	0.000155	0.00377
2037 Sep	9920	32.4	43.8	0.801	5690	0.131	655	0.0114	0.00197	0.0000838	0.955	0.0442	0.39	0.0872	0.0000342	313	0.000131	0.00371
2037 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	2250	6.05	9.24	0.197	1280	0.0553	157	0.00235	0.000556	0.0000205	0.945	0.0105	0.108	0.0286	0.0000154	75.2	0.0000386	0.00137
2038 Jul	5650	19.2	27.5	0.596	3210	0.135	394	0.00544	0.00148	0.0000511	0.952	0.0236	0.271	0.0688	0.0000267	190	0.0000946	0.00265
2038 Aug	5650	20.5	29.6	0.629	3200	0.137	402	0.00559	0.00151	0.0000509	0.953	0.0254	0.283	0.0706	0.0000284	193	0.0000976	0.00323
2038 Sep	4140	15	23.3	0.469	2300	0.137	326	0.00472	0.00132	0.0000366	0.954	0.0235	0.262	0.0607	0.0000278	152	0.0000857	0.00385
2038 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	655	1.83	4.14	0.0898	342	0.0649	70.7	0.000636	0.000354	0.00000694	0.945	0.00481	0.0872	0.0181	0.0000134	27.7	0.0000279	0.00134
2039 Jul	2090	5.88	12.1	0.265	1110	0.159	207	0.00198	0.00101	0.0000197	0.952	0.0127	0.231	0.0423	0.0000231	83.1	0.0000707	0.00297
2039 Aug	2280	6.68	13.2	0.26	1220	0.151	224	0.00268	0.00109	0.0000209	0.953	0.0156	0.237	0.0435	0.0000253	92.1	0.0000715	0.00351
2039 Sep	4130	12.2	23.4	0.453	2260	0.167	347	0.00435	0.00127	0.0000356	0.955	0.026	0.317	0.0618	0.0000332	152	0.0000948	0.00562
2039 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jun	870	2.53	5.58	0.125	470	0.0596	78.8	0.000817	0.000412	0.00000924	0.945	0.00564	0.081	0.0212	0.0000143	35.1	0.0000282	0.0015
2040 Jul	2190	6.73	13.4	0.326	1190	0.132	191	0.00197	0.00106	0.0000229	0.951	0.0119	0.191	0.0479	0.0000231	87.2	0.0000645	0.00277
2040 Aug	2430	8.16	15.3	0.369	1320	0.131	212	0.00244	0.00111	0.000025	0.952	0.0143	0.205	0.0508	0.0000247	97.1	0.0000688	0.00325
2040 Sep	2470	9.09	17	0.369	1330	0.13	223	0.00302	0.00106	0.0000238	0.952	0.0173	0.22	0.0497	0.0000259	100	0.0000696	0.00398
2040 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jun	541	1.99	4.6	0.107	282	0.0602	57.6	0.000533	0.000339	0.00000651	0.944	0.00404	0.0739	0.0163	0.0000129	22.7	0.0000248	0.00122
2041 Jul	1590	6.03	12.4	0.303	843	0.144	160	0.00162	0.000962	0.0000178	0.951	0.00992	0.192	0.0382	0.0000214	64.5	0.0000614	0.0025
2041 Aug	2050	8.15	15	0.383	1110	0.134	189	0.00204	0.00104	0.0000224	0.951	0.0122	0.203	0.0426	0.0000232	79.8	0.0000665	0.00283
2041 Sep	2010	8.15	15	0.344	1070	0.131	195	0.00249	0.00101	0.0000208	0.952	0.0145	0.212	0.0422	0.0000239	81.7	0.0000668	0.00335
2041 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jun	686	2.26	5.24	0.113	367	0.0554	65.7	0.00067	0.00036	0.00000821	0.945	0.00467	0.074	0.0179	0.0000134	27.3	0.0000261	0.00132
2042 Jul	1900	6.15	12.8	0.29	1020	0.138	180	0.00202	0.00104	0.0000216	0.951	0.0118	0.197	0.0427	0.000023	75.7	0.000066	0.00287
2042 Aug	1780	6.01	12	0.232	924	0.138	187	0.00277	0.0011	0.0000189	0.952	0.0153	0.206	0.0426	0.0000247	78.3	0.0000657	0.00363
2042 Sep	2450	8.88	17.5	0.281	1270	0.146	252	0.00452	0.0012	0.0000236	0.955	0.0243	0.255	0.0521	0.0000307	109	0.0000773	0.00563
2042 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-4: Waterline-Total

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2043 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jun	661	1.93	4.96	0.0902	346	0.056	66.8	0.000825	0.000381	0.0000079	0.945	0.00541	0.0736	0.0207	0.0000139	29.3	0.000026	0.00151
2043 Jul	2030	5.75	12.6	0.26	1080	0.139	191	0.0023	0.00111	0.0000236	0.951	0.0131	0.198	0.0529	0.0000242	86.1	0.0000678	0.00318
2043 Aug	2340	6.99	14.1	0.282	1250	0.139	221	0.00298	0.00119	0.0000264	0.953	0.0169	0.218	0.0567	0.0000266	99.9	0.0000736	0.00389
2043 Sep	1290	4.25	8.66	0.14	634	0.132	160	0.00265	0.00108	0.0000139	0.952	0.014	0.189	0.0446	0.0000233	68.9	0.0000592	0.00337
2043 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Jun	568	1.66	2.56	0.0659	237	0.103	122	0.000251	0.000251	0.00000404	0.947	0.00341	0.164	0.013	0.0000116	31.4	0.0000373	0.000843
2044 Jul	1350	3.94	6.08	0.157	565	0.247	289	0.000651	0.000651	0.0000087	0.955	0.00678	0.391	0.0259	0.0000163	74	0.000085	0.00139
2044 Aug	536	1.4	2.13	0.0566	216	0.11	129	0.000313	0.000313	0.00000554	0.949	0.0039	0.175	0.0138	0.0000126	32.8	0.0000476	0.000805
2044 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-4: Waterline-Total

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	0.00226	0.00174	1.13	0.00000506	7.02	6.59	0.104	0.00106	152	0.00517	0.084	0.00019	0.000481	0.000188	0.691	0.0000225	0.00052	0.00231	0.00256	0.00198
Operations (2020-2043): Mean	0.00361	0.00312	1.18	0.0000119	67.8	32.1	0.279	0.0155	1960	0.0164	0.264	0.000473	0.00385	0.00166	5.62	0.0000448	0.00176	0.00442	0.0144	0.0345
Operations (2020-2043): Max	0.00557	0.00432	1.23	0.0000166	166	64.1	0.542	0.0606	5120	0.0288	1.23	0.000917	0.00886	0.00583	14.7	0.000125	0.00363	0.00679	0.0354	0.093
MDMER	**-**	***0.3***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	***0.5***	**-**	***0.1***	**-**	**-**	**-**	**-**	**-**	**-**	***0.5***	***0.37***
Note: Calculation excludes zero values; Value																				
Model Predictions (2020-2045)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-4: Waterline-Total

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0.00337	0.00195	1.13	0.00000583	61.6	23.6	0.16	0.0226	1900	0.0103	0.442	0.00019	0.00329	0.00217	5.45	0.0000318	0.000852	0.00373	0.0139	0.0345
2025 Jul	0.00557	0.00351	1.16	0.0000136	166	63.5	0.417	0.0606	5120	0.0262	1.2	0.000331	0.00886	0.00583	14.7	0.0000826	0.00234	0.00679	0.0354	0.093
2025 Aug	0.00547	0.00353	1.16	0.0000138	162	64.1	0.43	0.0588	4980	0.0261	1.23	0.000331	0.00864	0.00568	14.3	0.0000833	0.00244	0.00668	0.0344	0.0902
2025 Sep	0.00326	0.00332	1.17	0.0000117	59.2	34.9	0.487	0.0173	1610	0.017	0.408	0.000484	0.00297	0.00184	5.68	0.000125	0.00286	0.0037	0.0127	0.0261
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0.00295	0.00184	1.14	0.00000506	35.8	12.9	0.112	0.00828	1090	0.00757	0.134	0.000248	0.00213	0.000801	3.22	0.0000257	0.000656	0.00326	0.0094	0.0197
2026 Jul	0.0046	0.00318	1.19	0.0000122	101	35	0.242	0.0236	3100	0.0188	0.372	0.000463	0.00607	0.00223	8.95	0.0000484	0.00149	0.00584	0.0246	0.0567
2026 Aug	0.00417	0.00329	1.2	0.0000129	82.6	34.6	0.268	0.0187	2480	0.0177	0.289	0.000511	0.00502	0.00184	7.2	0.000047	0.00174	0.00534	0.0202	0.0445
2026 Sep	0.00314	0.00306	1.19	0.0000119	38.8	23.3	0.226	0.00841	1070	0.0126	0.12	0.00055	0.00257	0.000946	3.27	0.0000354	0.00168	0.00393	0.0101	0.0183
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0.00312	0.00186	1.13	0.00000525	43.3	14.9	0.107	0.00867	1330	0.00845	0.132	0.000221	0.0026	0.000853	3.84	0.0000236	0.000594	0.00346	0.0111	0.0244
2027 Jul	0.00508	0.00326	1.18	0.0000128	124	41.2	0.241	0.025	3850	0.0215	0.374	0.00039	0.00749	0.00242	10.9	0.0000473	0.00136	0.00639	0.0297	0.0707
2027 Aug	0.00474	0.00336	1.19	0.0000135	110	40.7	0.26	0.0218	3370	0.0208	0.323	0.000429	0.00667	0.00218	9.54	0.0000457	0.0015	0.00599	0.0262	0.0614
2027 Sep	0.00312	0.00339	1.19	0.0000139	41	26.1	0.246	0.00768	1110	0.0146	0.105	0.000562	0.0028	0.001	3.32	0.0000374	0.00183	0.00388	0.0103	0.0188
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0.00319	0.00196	1.14	0.00000558	47.7	16.8	0.121	0.00963	1470	0.00926	0.138	0.000231	0.00281	0.000957	4.24	0.000026	0.000616	0.00358	0.0116	0.0268
2028 Jul	0.00488	0.00342	1.18	0.0000126	117	40.4	0.241	0.0242	3640	0.0214	0.337	0.000434	0.00707	0.00238	10.3	0.0000451	0.00131	0.00619	0.027	0.0667
2028 Aug	0.00482	0.00374	1.18	0.0000132	112	40.6	0.246	0.0236	3500	0.0223	0.322	0.000525	0.00699	0.00236	9.9	0.0000418	0.00139	0.00626	0.0261	0.064
2028 Sep	0.00356	0.00341	1.19	0.0000133	58.3	27.4	0.216	0.0122	1740	0.0159	0.162	0.000501	0.00384	0.00135	5.02	0.0000334	0.00138	0.00452	0.0142	0.031
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0.00304	0.00195	1.13	0.00000522	42.3	15	0.109	0.00902	1290	0.00859	0.122	0.000255	0.00247	0.000914	3.74	0.0000236	0.000626	0.00335	0.00998	0.0236
2029 Jul	0.00433	0.00323	1.18	0.0000122	97.9	34.4	0.228	0.0211	3010	0.0186	0.284	0.00042	0.00575	0.00211	8.63	0.0000472	0.00132	0.00536	0.0218	0.055
2029 Aug	0.00458	0.00341	1.18	0.000013	110	40.5	0.251	0.0236	3370	0.0207	0.313	0.000423	0.00637	0.00238	9.48	0.0000442	0.00141	0.00574	0.0239	0.0613
2029 Sep	0.0036	0.00322	1.18	0.0000131	65.5	29.7	0.221	0.0138	1930	0.0158	0.18	0.000441	0.00396	0.00151	5.5	0.0000345	0.00139	0.00445	0.0148	0.0346
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0.00308	0.00187	1.13	0.00000525	45	15.2	0.104	0.00977	1390	0.00835	0.13	0.000222	0.00254	0.000975	4	0.0000236	0.00052	0.00338	0.0104	0.0255
2030 Jul	0.00477	0.00328	1.18	0.0000126	121	40.7	0.238	0.0262	3740	0.0207	0.341	0.000401	0.00684	0.00261	10.6	0.0000478	0.00124	0.00591	0.0259	0.0687
2030 Aug	0.0048	0.0035	1.18	0.0000133	123	45.1	0.267	0.0264	3770	0.0223	0.337	0.000441	0.00693	0.00267	10.5	0.0000455	0.00141	0.00603	0.026	0.0688
2030 Sep	0.00312	0.00309	1.19	0.0000134	42	22.8	0.202	0.00887	1210	0.0126	0.113	0.000476	0.00271	0.00105	3.57	0.0000326	0.00124	0.00378	0.0104	0.0213
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-4: Waterline-Total

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0.00319	0.002	1.15	0.00000556	48.8	17.2	0.121	0.0112	1500	0.00911	0.143	0.000289	0.00273	0.00111	4.31	0.0000244	0.00059	0.00356	0.0114	0.0275
2031 Jul	0.00513	0.00356	1.21	0.0000132	132	45.2	0.267	0.0305	4110	0.0223	0.384	0.000584	0.00744	0.003	11.6	0.0000476	0.0013	0.00646	0.0291	0.0755
2031 Aug	0.00453	0.00362	1.21	0.0000133	106	41.7	0.282	0.0241	3210	0.0209	0.299	0.000612	0.00604	0.00247	9.06	0.0000441	0.00159	0.00573	0.0232	0.0583
2031 Sep	0.00357	0.00429	1.19	0.0000144	65.9	37.1	0.312	0.0139	1750	0.0219	0.152	0.000786	0.00408	0.00169	4.83	0.0000396	0.00268	0.00467	0.0133	0.0302
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0.00286	0.00213	1.14	0.00000598	35.6	14.8	0.128	0.00833	1030	0.00893	0.103	0.000309	0.00207	0.000883	3.01	0.0000257	0.000948	0.00318	0.0085	0.0185
2032 Jul	0.00348	0.00351	1.18	0.0000132	60.9	28.6	0.243	0.0143	1760	0.0167	0.173	0.000547	0.00377	0.00157	5.13	0.0000452	0.00187	0.00435	0.014	0.0311
2032 Aug	0.00385	0.00371	1.18	0.0000148	80	35.5	0.266	0.0187	2310	0.0199	0.218	0.000511	0.00475	0.00198	6.48	0.0000425	0.00228	0.00494	0.0174	0.041
2032 Sep	0.00458	0.00371	1.16	0.0000149	119	47	0.319	0.0278	3450	0.0247	0.323	0.000408	0.00654	0.00279	9.56	0.000048	0.00284	0.00595	0.0244	0.0622
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0.00302	0.00199	1.14	0.0000057	43.5	16.2	0.123	0.0104	1290	0.00887	0.127	0.000298	0.00236	0.00106	3.65	0.0000225	0.000818	0.00336	0.00996	0.0233
2033 Jul	0.00437	0.00364	1.21	0.0000144	102	39.9	0.286	0.0242	3020	0.0207	0.287	0.000646	0.0057	0.0025	8.47	0.0000463	0.00209	0.0055	0.0218	0.0544
2033 Aug	0.00444	0.00376	1.21	0.0000158	105	42.2	0.295	0.0249	3100	0.0215	0.29	0.000649	0.00593	0.00259	8.64	0.0000433	0.00232	0.00563	0.0223	0.0558
2033 Sep	0.00454	0.00391	1.18	0.0000164	120	50.1	0.367	0.0271	3390	0.0254	0.306	0.000541	0.00636	0.00285	9.25	0.0000489	0.00316	0.00582	0.0235	0.0603
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0.00292	0.00201	1.14	0.00000574	39.2	15.9	0.131	0.0093	1150	0.00861	0.111	0.00029	0.00208	0.000968	3.25	0.0000229	0.000799	0.00323	0.00885	0.0205
2034 Jul	0.00435	0.00384	1.2	0.0000147	104	43.7	0.331	0.0243	3020	0.0225	0.277	0.000628	0.0056	0.00255	8.39	0.0000495	0.00232	0.00554	0.0212	0.054
2034 Aug	0.00444	0.00397	1.21	0.0000158	108	45.9	0.335	0.0253	3140	0.0234	0.281	0.000635	0.00587	0.00266	8.63	0.0000462	0.00246	0.00572	0.0219	0.0559
2034 Sep	0.00451	0.0042	1.18	0.0000164	121	53.1	0.406	0.0268	3350	0.028	0.285	0.000569	0.00623	0.00287	8.97	0.0000495	0.00341	0.00595	0.0224	0.0591
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0.00291	0.00197	1.14	0.00000565	38.8	15.7	0.129	0.00937	1140	0.00852	0.108	0.000263	0.00205	0.000968	3.25	0.0000234	0.000775	0.00321	0.00867	0.0205
2035 Jul	0.00436	0.00363	1.19	0.0000142	105	42.3	0.308	0.0252	3110	0.0215	0.277	0.000514	0.00566	0.00257	8.71	0.0000498	0.00201	0.00556	0.0213	0.0559
2035 Aug	0.00435	0.00377	1.19	0.0000154	104	44.9	0.334	0.0247	3050	0.0224	0.263	0.000522	0.00566	0.00256	8.46	0.0000468	0.00231	0.00564	0.0208	0.0544
2035 Sep	0.0043	0.00432	1.17	0.0000166	112	55.7	0.458	0.0242	3020	0.0288	0.241	0.000552	0.00568	0.00267	8.01	0.0000513	0.00363	0.00579	0.0196	0.0522
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	0.00305	0.00223	1.14	0.0000065	47.3	21.2	0.168	0.0113	1370	0.0108	0.125	0.000311	0.00249	0.0012	3.81	0.0000255	0.00114	0.00346	0.00979	0.0242
2036 Jul	0.00442	0.00398	1.18	0.0000152	113	52	0.384	0.0268	3280	0.025	0.285	0.000634	0.00598	0.00284	8.97	0.0000515	0.00273	0.00571	0.0213	0.0578
2036 Aug	0.00447	0.00402	1.18	0.000016	115	53.5	0.385	0.0273	3340	0.0252	0.286	0.000687	0.00611	0.00289	9.05	0.0000478	0.00285	0.00579	0.0215	0.0587
2036 Sep	0.00445	0.00401	1.17	0.0000155	118	56.3	0.424	0.0274	3340	0.0267	0.281	0.000683	0.00611	0.00294	8.98	0.0000474	0.00331	0.00578	0.0211	0.0585
2036 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-4: Waterline-Total

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	0.00299	0.00208	1.14	0.00000587	42.8	18.7	0.158	0.0105	1240	0.00947	0.119	0.000374	0.00221	0.0011	3.53	0.0000251	0.00096	0.00333	0.00898	0.0222
2037 Jul	0.00462	0.00393	1.21	0.0000146	118	51.4	0.387	0.0285	3470	0.0242	0.312	0.000881	0.00617	0.00298	9.61	0.0000528	0.00246	0.00591	0.0222	0.0617
2037 Aug	0.00464	0.00399	1.21	0.000015	118	53.9	0.404	0.0283	3470	0.0247	0.304	0.000897	0.00623	0.00299	9.53	0.0000494	0.00254	0.00596	0.022	0.0614
2037 Sep	0.00413	0.00389	1.2	0.0000146	92.7	48.2	0.386	0.0219	2670	0.022	0.232	0.000917	0.00503	0.00241	7.35	0.0000436	0.00245	0.00524	0.0174	0.0467
2037 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	0.0026	0.00193	1.15	0.00000561	21.6	11.9	0.142	0.00484	607	0.00657	0.119	0.00034	0.00119	0.000553	1.9	0.0000272	0.000718	0.00278	0.00512	0.0104
2038 Jul	0.00346	0.00348	1.23	0.0000138	53.4	30	0.325	0.0116	1520	0.0153	0.281	0.00076	0.00309	0.00135	4.64	0.000056	0.00168	0.00423	0.0106	0.0261
2038 Aug	0.00348	0.00359	1.23	0.0000143	54.8	34.4	0.372	0.0113	1520	0.0166	0.297	0.000756	0.00312	0.00136	4.56	0.0000558	0.00189	0.00432	0.0103	0.0256
2038 Sep	0.00319	0.00361	1.21	0.000014	43.6	36.1	0.407	0.00807	1120	0.0167	0.234	0.000693	0.00249	0.00111	3.29	0.0000505	0.00208	0.00397	0.00781	0.0174
2038 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	0.00229	0.00189	1.14	0.00000563	8.77	8.21	0.129	0.0014	179	0.0056	0.084	0.000285	0.000599	0.000243	0.765	0.0000275	0.000854	0.00236	0.00266	0.00256
2039 Jul	0.00271	0.00335	1.18	0.0000139	25.4	23.9	0.324	0.00419	568	0.0137	0.205	0.00052	0.00172	0.00068	2.08	0.0000599	0.00211	0.00325	0.00518	0.00819
2039 Aug	0.00275	0.00347	1.18	0.0000148	27.7	29.3	0.362	0.00447	619	0.0151	0.18	0.000476	0.0018	0.000745	2.02	0.0000532	0.00217	0.00336	0.00523	0.00852
2039 Sep	0.00311	0.00363	1.17	0.0000151	50.1	45.4	0.542	0.00742	1130	0.0206	0.352	0.000429	0.0026	0.00109	3.33	0.0000659	0.00336	0.00397	0.00657	0.0161
2039 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jun	0.00235	0.00184	1.15	0.00000581	10.5	9.14	0.15	0.00158	239	0.00562	0.142	0.000264	0.000587	0.000237	0.932	0.0000306	0.000759	0.00245	0.0028	0.0034
2040 Jul	0.0028	0.00303	1.21	0.0000132	25.2	21.3	0.315	0.00397	594	0.012	0.297	0.000532	0.00155	0.000581	2.17	0.0000584	0.00169	0.00334	0.00511	0.00881
2040 Aug	0.00287	0.00316	1.21	0.0000136	28.3	25.6	0.351	0.00432	660	0.0134	0.299	0.000544	0.00172	0.000658	2.24	0.000055	0.00186	0.00349	0.00532	0.00962
2040 Sep	0.00286	0.00321	1.19	0.0000131	30.4	31.1	0.401	0.00449	671	0.0151	0.294	0.000501	0.00176	0.00073	2.12	0.0000512	0.00217	0.00351	0.00514	0.00917
2040 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Jun	0.00226	0.0018	1.13	0.00000539	7.02	6.59	0.124	0.00106	152	0.00517	0.118	0.000235	0.000481	0.000188	0.691	0.0000293	0.000641	0.00231	0.00256	0.00198
2041 Jul	0.00261	0.00303	1.18	0.0000131	19.4	18.2	0.287	0.00319	438	0.0118	0.271	0.000416	0.0014	0.000513	1.77	0.0000609	0.00164	0.00307	0.00481	0.00599
2041 Aug	0.00272	0.0031	1.18	0.0000141	24.1	22.1	0.299	0.00391	556	0.0129	0.289	0.000399	0.0017	0.000611	1.94	0.0000521	0.00179	0.00328	0.00518	0.00804
2041 Sep	0.00272	0.00316	1.17	0.000014	25	26.3	0.334	0.00395	545	0.014	0.259	0.000407	0.00172	0.00067	1.78	0.0000463	0.00203	0.0033	0.00499	0.00745
2041 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Jun	0.00229	0.00174	1.13	0.00000552	8.49	7.61	0.127	0.00129	189	0.00517	0.165	0.000208	0.000553	0.000205	0.763	0.0000274	0.000688	0.00235	0.00266	0.00261
2042 Jul	0.00268	0.00297	1.18	0.0000134	22.8	21.3	0.31	0.00363	519	0.0122	0.318	0.000386	0.00157	0.000566	1.94	0.0000585	0.00181	0.00317	0.0051	0.00727
2042 Aug	0.00266	0.00312	1.18	0.0000136	23.2	27.6	0.367	0.0035	485	0.0135	0.19	0.000417	0.00148	0.000626	1.69	0.0000533	0.00203	0.00319	0.00489	0.00596
2042 Sep	0.00282	0.00337	1.16	0.0000136	33.9	43.1	0.537	0.00475	670	0.0182	0.258	0.000388	0.00178	0.000844	2.03	0.0000579	0.00285	0.00353	0.00528	0.00765
2042 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.1-4: Waterline-Total

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2043 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Jun	0.00232	0.00175	1.14	0.0000054	8.73	8.92	0.148	0.00129	183	0.0052	0.168	0.00026	0.000505	0.00021	0.759	0.0000287	0.000763	0.00239	0.00261	0.00231
2043 Jul	0.00282	0.00301	1.21	0.0000133	24.8	24	0.349	0.0039	550	0.0123	0.345	0.00055	0.0016	0.000601	2.08	0.0000602	0.00199	0.00335	0.00517	0.00761
2043 Aug	0.0029	0.00316	1.2	0.0000136	29.1	30.2	0.403	0.00443	636	0.0142	0.297	0.000553	0.00181	0.00071	2.19	0.000057	0.00225	0.00352	0.00544	0.00864
2043 Sep	0.00264	0.0031	1.21	0.0000131	18.8	26.5	0.344	0.00281	348	0.0119	0.113	0.000638	0.00125	0.000587	1.3	0.0000444	0.00201	0.00313	0.00434	0.00366
2043 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Jun	0.0024	0.00331	1.15	0.00000644	3.92	15.2	0.0886	0.00147	151	0.0101	0.00369	0.00134	0.00132	0.00052	0.252	0.00000377	0.000961	0.00267	0.00274	0.00151
2044 Jul	0.00284	0.00647	1.2	0.0000135	9.16	35.7	0.193	0.00347	358	0.0226	0.00903	0.00304	0.00314	0.00122	0.596	0.0000052	0.00227	0.00369	0.00482	0.00359
2044 Aug	0.00247	0.00418	1.14	0.0000139	4.65	16	0.113	0.00171	126	0.0135	0.00379	0.00104	0.00191	0.000701	0.384	0.00000413	0.000979	0.00294	0.00309	0.00302
2044 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

APPENDIX D.2: OPEN PITS, NATURAL LAKES AND COLLECTION PONDS

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	93	0.081	2.3	0.0044	18	0.015	5.9	6.2E-04	6.2E-04	3.2E-06	4.2E-03	1.2E-03	7.3E-03	2.0E-02	3.2E-06	2.1E+01	1.4E-05	3.1E-04	2.7E-04
Operations (2020-2043): Mean	1002	2.9	7.9	0.15	467	0.19	153	1.9E-03	1.0E-03	9.6E-06	1.0E-02	1.1E-02	2.2E-01	3.6E-02	1.4E-05	5.5E+01	6.2E-05	2.4E-03	4.3E-04
Operations (2020-2043): Max	1869	5.6	21	0.37	900	0.37	261	3.1E-03	1.2E-03	1.6E-05	1.5E-02	2.2E-02	3.7E-01	5.8E-02	2.0E-05	8.7E+01	9.9E-05	5.0E-03	6.3E-04
Active Closure (2044-2050): Min	132	0.20	0.27	0.0055	31	0.035	32	9.9E-04	9.2E-04	4.9E-06	7.7E-03	1.6E-03	5.2E-02	1.4E-02	5.2E-06	1.8E+01	2.6E-05	2.4E-04	1.7E-04
Active Closure (2044-2050): Mean	268	0.53	0.89	0.019	76	0.075	77	1.4E-03	9.8E-04	5.7E-06	9.4E-03	3.7E-03	1.1E-01	2.2E-02	6.9E-06	3.2E+01	3.4E-05	6.2E-04	2.8E-04
Active Closure (2044-2050): Max	706	1.9	4.8	0.100	314	0.15	150	2.7E-03	1.1E-03	8.4E-06	1.2E-02	7.3E-03	2.1E-01	4.1E-02	1.1E-05	5.0E+01	5.5E-05	1.9E-03	5.4E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Post Closure (2051-2119): Min	90	0.030	0.010	0.0009	9.3	0.026	28	1.2E-03	8.7E-04	4.9E-06	7.7E-03	2.3E-03	4.5E-02	2.0E-02	5.6E-06	2.0E+01	2.7E-05	4.4E-04	2.4E-04
Post Closure (2051-2119): Mean	142	0.055	0.021	0.0012	13	0.031	61	1.7E-03	9.3E-04	5.3E-06	9.2E-03	4.6E-03	1.0E-01	3.2E-02	7.2E-06	3.4E+01	3.6E-05	8.8E-04	4.0E-04
Post Closure (2051-2119): Max	375	0.48	0.56	0.013	56	0.085	157	2.9E-03	1.0E-03	6.0E-06	1.1E-02	7.8E-03	1.9E-01	4.3E-02	8.7E-06	5.2E+01	4.8E-05	1.2E-03	5.7E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	93.43719482	0.080821775	3.694158554	0.004352657	21.93598747	0.019656941	7.391211987	0.000924069	0.000924069	4.65132E-06	0.006167155	0.001717967	0.008789344	0.038720336	4.65132E-06	31.18930054	1.98973E-05	0.000427415	0.000600052
2020 Feb	94.89442444	0.09150774	9.689275742	0.00867915	20.99271774	0.018024169	6.994368076	0.000799258	0.000799258	4.05002E-06	0.005333321	0.001507323	0.008455295	0.033532072	4.05002E-06	27.07864761	1.73965E-05	0.000379757	0.000518485
2020 Mar	94.37979126	0.096222907	14.23142242	0.011502646	19.45529366	0.016372599	6.448843002	0.0007049	0.0007049	3.58443E-06	0.004703284	0.001339334	0.00785456	0.02959252	3.58444E-06	23.92917252	1.54297E-05	0.000339615	0.000457028
2020 Apr	93.76603699	0.099444412	17.9481678	0.013625408	17.97904778	0.014949572	5.945613861	0.000632417	0.000632417	3.22221E-06	0.004220624	0.001207606	0.007285838	0.026564294	3.22315E-06	21.49660873	1.38946E-05	0.000307309	0.000409951
2020 May	175.8616638	0.307158411	21.30919647	0.03475675	56.47759247	0.033599515	17.82725143	0.000619851	0.000617907	3.59E-06	0.004253673	0.001662598	0.025589714	0.027097832	3.70731E-06	23.07842445	1.7525E-05	0.000494604	0.000394764
2020 Jun	958.2945557	2.183745384	13.51037121	0.224646464	449.8730774	0.224547789	137.3179932	0.000933164	0.000842116	9.49368E-06	0.00655509	0.007258263	0.201460049	0.042653181	1.09881E-05	48.77264786	5.90099E-05	0.002544162	0.000407963
2020 Jul	1129.465332	3.012724161	13.4981451	0.229342252	534.0864868	0.234062731	159.6083221	0.001493605	0.000918951	1.03644E-05	0.008044642	0.0110429	0.228952259	0.045768775	1.35375E-05	57.08938217	6.60768E-05	0.003025874	0.000425867
2020 Aug	1276.038452	3.668828726	15.17003822	0.236939415	605.6121216	0.242783248	177.7609406	0.001971419	0.000979465	1.11483E-05	0.009037195	0.014093567	0.248914436	0.04870864	1.53999E-05	64.61976624	7.11952E-05	0.003431098	0.000448905
2020 Sep	1486.489746	4.68210125	16.24551582	0.245215803	708.1504517	0.256958753	206.3132477	0.002487189	0.000986891	1.16855E-05	0.010327832	0.018594004	0.286389112	0.051914301	1.76462E-05	73.74736023	7.81697E-05	0.004008169	0.000460285
2020 Oct	1575.945923	5.003151417	17.14168358	0.256020069	754.6673584	0.265121251	216.8270569	0.002766363	0.000994813	1.22119E-05	0.010449572	0.02011219	0.294240266	0.051456645	1.8405E-05	77.15805817	7.982E-05	0.004241279	0.000436881
2020 Nov	1504.489136	4.677926064	18.1015625	0.252888769	720.1488037	0.258608162	206.6258545	0.002592299	0.000955766	1.18418E-05	0.009774866	0.018685205	0.279528499	0.048561383	1.73808E-05	73.0398941	7.61706E-05	0.004033874	0.000403825
2020 Dec	1448.770142	4.504190445	19.40315056	0.243692383	692.1066895	0.247899354	198.4261017	0.002501111	0.000917204	1.13712E-05	0.009382651	0.01798705	0.268125325	0.046563257	1.67012E-05	70.19536591	7.30741E-05	0.003876095	0.000387028
2021 Jan	1418.870483	4.407629013	20.02999115	0.239062577	677.0551147	0.242540732	194.1076813	0.002446235	0.000897129	1.11245E-05	0.00917554	0.017591689	0.262281507	0.045543902	1.63358E-05	68.66212463	7.14818E-05	0.003791658	0.000378501
2021 Feb	1419.29541	4.408419132	20.03338051	0.239181072	677.2622681	0.242651343	194.169632	0.002446415	0.000897355	1.11284E-05	0.009176817	0.017593892	0.262369037	0.04555713	1.63395E-05	68.67938232	7.15055E-05	0.00379276	0.000378588
2021 Mar	1420.266602	4.411139011	20.04569054	0.239371032	677.7279663	0.242838845	194.3046875	0.002447774	0.000897946	1.11364E-05	0.009182295	0.017604215	0.26255396	0.045588162	1.635E-05	68.72454071	7.15558E-05	0.003795337	0.000378833
2021 Apr	1422.056519	4.416529179	20.070158	0.239687741	678.583313	0.243157163	194.5508423	0.002450679	0.000899065	1.11506E-05	0.00919341	0.017625421	0.262887925	0.045645539	1.63702E-05	68.81010437	7.16468E-05	0.003800109	0.000379302
2021 May	1434.346313	4.453975201	20.05557632	0.24192965	683.8947144	0.246576846	196.6472168	0.002449495	0.000914396	1.12532E-05	0.009372542	0.017727163	0.26698795	0.046493091	1.64887E-05	69.4993515	7.25636E-05	0.003833495	0.000387933
2021 Jun	1407.116089	3.957779169	16.6190033	0.274739206	671.7674561	0.278522432	197.9771881	0.001892963	0.0009286	1.16718E-05	0.008792334	0.014837462	0.278373659	0.046507709	1.52888E-05	65.40673828	7.52022E-05	0.003740731	0.000364641
2021 Jul	1493.370361	4.15953064	16.71232605	0.294730753	714.8528442	0.296718627	209.8328552	0.002025495	0.000987864	1.25216E-05	0.009154527	0.015763251	0.292787045	0.048463073	1.61677E-05	69.14700317	7.97006E-05	0.003981474	0.000372728
2021 Aug	1607.255249	4.57420969	17.52421379	0.307906002	771.2809448	0.308816761	224.1584778	0.002350308	0.001048018	1.33558E-05	0.009763095	0.017830798	0.307661861	0.050882064	1.75261E-05	74.98548889	8.4095E-05	0.004305114	0.000390556
2021 Sep	1665.934814	4.856598854	17.39424896	0.309356362	800.6226807	0.31105122	231.6545868	0.002559226	0.001058892	1.36011E-05	0.010071233	0.019313192	0.315115213	0.051601838	1.81913E-05	78.03371429	8.56722E-05	0.004481669	0.000393895
2021 Oct	1744.81189	5.192272186	17.65708733	0.314923733	839.7941895	0.317217767	241.763382	0.002800899	0.001079656	1.40023E-05	0.010468197	0.020782605	0.326247066	0.052891631	1.90399E-05	81.89149475	8.81529E-05	0.004697057	0.000401618
2021 Nov	1784.557373	5.361083031	17.97296906	0.317529261	859.5698242	0.319745451	246.5086365	0.002940086	0.001097583	1.4246E-05	0.010702195	0.02151639	0.330948383	0.053634647	1.95223E-05	83.9654541	8.94457E-05	0.00480326	0.0004076
2021 Dec	1787.983398	5.373326778	18.00198555	0.317975879	861.2507324	0.32019034	246.9538116	0.002948318	0.001099208	1.42694E-05	0.010721073	0.021563793	0.331490964	0.053716298	1.95601E-05	84.12911987	8.95884E-05	0.004812207	0.000408205
2022 Jan	1788.216064	5.373428822	18.0032692	0.318071932	861.3664551	0.320276171	246.990036	0.002948026	0.001099283	1.42718E-05	0.01072077	0.021562561	0.331546217	0.053723242	1.95613E-05	84.1359024	8.96029E-05	0.004812752	0.000408233
2022 Feb	1788.297974	5.37328577	18.00363731	0.318120748	861.4072876	0.32031858	247.0039825	0.00294774	0.00109931	1.42729E-05	0.010720297	0.021561204	0.331568778	0.053726524	1.95615E-05	84.13780212	8.96092E-05	0.00481294	0.0004082
2022 Mar	1789.282593	5.376029015	18.01329994	0.318314761	861.8822632	0.320510298	247.1414337	0.00294913	0.001099903	1.4281E-05	0.010725672	0.021571781	0.331755459	0.053756569	1.95719E-05	84.18304443	8.96597E-05	0.004815571	0.000408474
2022 Apr	1810.677124	5.440186024	18.22854424	0.322131753	872.1882935	0.32435149	250.0973663	0.002984258	0.001113048	1.44519E-05	0.010853616	0.021828972	0.335724682	0.054399606	1.98057E-05	85.18901062	9.07324E-05	0.004873141	0.000413358
2022 May	1858.402222	5.586875439	18.69729805	0.330402672	895.0291748	0.332979977	256.793335	0.003059775	0.001142474	1.48227E-05	0.011159893	0.022410639	0.345000356	0.055887196	2.0325E-05	87.43785095	9.31597E-05	0.005001898	0.000424838
2022 Jun	1697.936401	4.796618462	16.31257439	0.331396222	815.2528687	0.335546821	239.8431244	0.002347551	0.001075563	1.40083E-05	0.010163979	0.018304082	0.334190607	0.052694689	1.80791E-05	77.65502167	8.96188E-05	0.00454908	0.000386414
2022 Jul	1420.464966	3.751147509	12.9165678	0.302281708	681.2075806	0.304471165	203.2492676	0.001731634	0.000982214	1.24982E-05	0.00867843	0.013682273	0.289290756	0.045230512	1.50948E-05	63.73449326	7.93755E-05	0.003798477	0.000320082
2022 Aug	1529.362061	4.137348175	13.83171749	0.317429155	734.3314819	0.318742454	217.4900055	0.002007866	0.001040125	1.33179E-05	0.009267217	0.015438216	0.305628061	0.047835886	1.63859E-05	69.15866089	8.39788E-05	0.004104086	0.000339582
2022 Sep	1589.08728	4.461108208	14.23866177	0.319386542	763.2186279	0.321585178	225.0003357	0.002219811	0.001052712	1.35655E-05	0.009673242	0.016852861	0.31484732	0.049092222	1.7169E-05	72.35624695	8.60698E-05	0.004275992	0.00035217
2022 Oct	1661.043945	4.841814518	14.78110504	0.321762204	798.1647339	0.325020671	233.9010925	0.002482592	0.00107017	1.38763E-05	0.010165622	0.018373057	0.325595438	0.050549492	1.80832E-05	76.14590454	8.84791E-05	0.004472144	0.00036641
2022 Nov	1697.513916	5.00137949	15.09288692	0.324249119	816.0438843	0.327425569	238.3395844	0.00261567	0.001088214	1.41122E-05	0.010394543	0.019074397	0.330016077	0.051273316	1.85507E-05	78.09711456	8.96965E-05	0.004572903	0.000372494
2022 Dec	1700.375244	5.011278152	15.11797333	0.324643463	817.4489746	0.327789038	238.7058258	0.002623436	0.001089766	1.41342E-05	0.010409046	0.019115921	0.33041504	0.051337246	1.85838E-05	78.23851013	8.98087E-05	0.004580632	0.000372948
2023 Jan	1700.563599	5.011211395	15.11966038	0.324728012	817.5443115	0.327860475	238.7342529	0.002623152	0.001089815	1.41363E-05	0.01040825	0.019114627	0.330453157	0.051342614	1.85847E-05	78.2440567	8.98191E-05	0.004581072	0.000372969
2023 Feb	1700.65625	5.011104584	15.12049198	0.324775875	817.5906982	0.327901512	238.749054	0.002622903	0.00108984	1.41374E-05	0.010407768	0.019113572	0.330475181	0.051346205	1.85849E-05	78.24672699	8.98251E-05	0.004581287	0.000372991
2023 Mar	1700.931396	5.011705399	15.12294292	0.324845076	817.723938	0.327967405	238.7886963	0.002623109	0.001089998	1.41398E-05	0.010408879	0.019115511	0.330530941	0.05135496	1.85876E-05	78.25849915	8.98403E-05	0.004582009	0.000373053
2023 Apr	1712.262329	5.044970512	15.22368622	0.327018589	823.171814	0.330159545	240.3799744	0.002640458	0.001097248	1.42341E-05	0.01047789	0.019242184	0.332734138	0.051697321	1.87111E-05	78.77931976	9.04391E-05	0.004612521	0.000375539
2023 May	1740.841675	5.069504261	15.46547508	0.337394416	836.8693237	0.339971185	244.7874603	0.002617914	0.00111751	1.45484E-05	0.010560337	0.019197408	0.339744478	0.053065706	1.89318E-05	80.00891876	9.24177E-05	0.004683921	0.000387624
2023 Jun	1530.113037	4.075561523	13.45144939	0.331768125	734.3011475	0.332263559	218.5986481	0.001807017	0.00101856	1.33905E-05	0.009015215	0.014179749	0.314313561	0.050341073	1.61189E-05	69.24801636	8.61285E-05	0.004069565	0.000378161
2023 Jul	1603.905762	4.415158272	14.02909851	0.336314976	770.4862061	0.335846752	227.4880066	0.0021033	0.001053459	1.38969E-05	0.009457557	0.015924942	0.322075099	0.051418971	1.71284E-05	73.29225159	8.86365E-05	0.004289004	0.000386213
2023 Aug	1718.657104	4.853480816	15.00532341	0.350194037	826.1769409	0.349315345	242.4112244	0.002422808	0.001114266	1.4736E-05	0.010137043	0.017898271	0.339267641	0.054109618	1.85167E-05	79.15270233	9.34206E-05	0.004610247	0.000407713
2023 Sep	1781.356689	5.125622272	15.5275774	0.355502188	856.7132568	0.354361385	250.3088989	0.002630951	0.00114166	1.51483E-05	0.010501466	0.019201722	0.34762454	0.055321429	1.93075E-05	82.47168732	9.56908E-05	0.004789639	0.000417937
2023 Oct	1830.408325	5.345761776	15.94381046	0.35841009	880.8706055	0.356742948	256.1652222	0.002824141	0.00116196	1.54616E-05	0.010760191	0.020259544	0.352623761	0.056067236	1.99364E-05	85.13733673	9.70914E-05	0.004928849	0.000423766
2023 Nov	1856.283569	5.444489956	16.17027855	0.361087829	893.6082764	0.359153181	259.3340149	0.0029131	0.001176912	1.56597E-05	0.010903058	0.020695038	0.355578154	0.056574184	2.02558E-05	86.49880981	9.79615E-05	0.004999478	0.00042724
2023 Dec	1858.577637	5.451793194	16.19056892	0.361459792	894.732605	0.359495014	259.634491	0.002918478	0.001178116	1.56779E-05	0.010913439	0.020724507	0.355919838	0.056626778	2.0281E-05	86.60797882	9.80563E-05	0.005005613	0.000427588
2024 Jan	1858.595581	5.451060772	16.19092941	0.361523122	894.7458496	0.359545171	259.6408691	0.002917701	0.001178051	1.56786E-05	0.010911435	0.020720387	0.355931193	0.056627065	2.02796E-05	86.60415649	9.80587E-05	0.005005579	0.000427559
2024 Feb	1858.59729	5.450612545	16.19104004	0.361558378	894.7483521	0.359573603	259.6437683	0.002917207	0.001178012	1.56789E-05	0.010910303	0.020717893	0.355938345	0.056627955	2.02787E-05	86.60195923	9.80602E-05	0.00500554	0.000427557
2024 Mar	1862.090454	5.460607052	16.22152328	0.362257093	896.4310303	0.360264748	260.1331787	0.002922418	0.001180205	1.57086E-05	0.010930182	0.020755459	0.356610864	0.056734841	2.03164E-05	86.76348114	9.82453E-05	0.005014925	0.000428359
2024 Apr	1869.106323	5.481041908	16.28267288	0.363632649	899.809082	0.361630708	261.1140747	0.002933278	0.00118464	1.57679E-05	0.010971015	0.020832894	0.357956469	0.056948856	2.03926E-05	87.08969879	9.86159E-05	0.005033807	0.000429972
2024 May	1848.305664	5.318186283	16.10237312	0.369000494	889.1744995	0.367234886	259.4271851	0.002745281	0.001176756	1.57139E-05	0.010781556	0.019826755	0.359589547	0.057514209	1.99839E-05	85.8316803	9.88578E-05	0.004961338	0.000439031
2024 Jun	1456.563843	3.906276464	12.65388966	0.317292958	697.2026367	0.318857163	207.6190033	0.001783344	0.001027534	1.31286E-05	0.008944346	0.0133582	0.301058024	0.0512635	1.55924E-05	68.54030609	8.36109E-05	0.003865056	0.000424551
2024 Jul	1537.438477	4.161419392	13.35103989	0.331679046	735.9961548	0.333100498	218.7398682	0.001946587	0.001085031	1.38426E-05	0.009475313	0.014436491	0.315603316	0.053759597	1.65582E-05	72.5791626	8.78485E-05	0.004089753	0.000444833
2024 Aug	1628.239258	4.508433819	14.1241436	0.343162298	779.5994263	0.344467193	230.803772	0.002196496	0.001139212	1.45468E-05	0.010073865	0.016082948	0.329863966	0.056183424	1.77173E-05	77.37968445	9.19385E-05	0.004352984	0.000465322
2024 Sep	1666.411865	4.789029598	14.43647957	0.338995785	797.5931396	0.341619283	235.3190918	0.00242967	0.001149921	1.46828E-05	0.010467331	0.017501375	0.334133297	0.056602795	1.83892E-05	79.82873535	9.28253E-05	0.004477542	0.000470437
2024 Oct	1691.726807	4.912128925	14.66385746	0.340372533	809.9135132	0.343293726	238.5426025	0.002531819	0.001157507	1.4831E-05	0.010628127	0.01803207	0.337423086	0.056844499	1.87253E-05	81.07645416	9.35263E-05	0.004548721	0.00046963
2024 Nov	1707.571655	4.933401585	14.81407356	0.344927281	817.9497681	0.347088516	240.7983704	0.002544551	0.00115939	1.49631E-05	0.010600669	0.018126491	0.339644343	0.056947719	1.88443E-05	81.55786133	9.40771E-05	0.004590879	0.000466024
2024 Dec	1711.727417	4.950048447	14.8505497	0.345341384	819.9679565	0.347478777	241.32724	0.00255841	0.001161534	1.49931E-05	0.010624891	0.018201347	0.340184689	0.05703456	1.88968E-05	81.77593994	9.4228E-05	0.004602549	0.000466659
2025 Jan	1711.956787	4.950147629	14.85281944	0.345424056	820.0859985	0.347544461	241.3596954	0.002558333	0.001161546	1.49951E-05	0.010623786	0.01820112	0.340218931	0.057037055	1.88979E-05	81.78183746	9.42366E-05	0.004603103	0.000466627

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 Feb	1712.282227	4.950643063	14.85576725	0.345521867	820.2451172	0.347634077	241.4075165	0.002558355	0.001161701	1.49981E-05	0.010624423	0.018202277	0.340286106	0.057047062	1.89005E-05	81.79434967	9.42546E-05	0.004603936	0.000466688
2025 Mar	1712.86731	4.952085018	14.86091042	0.345658004	820.5271606	0.34776625	241.4911194	0.002558966	0.001162062	1.50033E-05	0.010627297	0.018207204	0.340404093	0.05706615	1.89064E-05	81.82061768	9.4287E-05	0.004605485	0.000466832
2025 Apr	1715.744751	4.960262299	14.8859148	0.346248984	821.9066162	0.348358124	241.8974457	0.002563115	0.001163994	1.50286E-05	0.010644719	0.018237052	0.340976954	0.057161789	1.89379E-05	81.95710754	9.44455E-05	0.004613209	0.000467608
2025 May	1730.692505	5.044510841	15.00480366	0.348122835	828.2514038	0.352453917	244.2783661	0.00258439	0.001186972	1.5172E-05	0.010985348	0.018378047	0.347182184	0.058255989	1.91755E-05	82.87120819	9.59332E-05	0.004647849	0.000480454
2025 Jun	1512.502686	4.273113251	13.13163185	0.320154041	722.2851563	0.327651531	215.9043884	0.002009638	0.001100008	1.36719E-05	0.010116921	0.014576126	0.318186373	0.0521609	1.66937E-05	70.90374756	8.80583E-05	0.004017486	0.000421391
2025 Jul	1331.736206	3.614747047	11.57475662	0.292680264	635.6035767	0.299084485	190.9702301	0.0016931	0.001045761	1.25642E-05	0.00926483	0.012080828	0.283540398	0.046090052	1.48577E-05	61.62620926	8.01219E-05	0.003528751	0.000358583
2025 Aug	1427.275513	3.989181995	12.38264751	0.30413416	680.9744263	0.311179161	204.052597	0.001956267	0.001102703	1.32832E-05	0.009940984	0.013809454	0.299584627	0.048615199	1.60924E-05	66.59433746	8.45245E-05	0.003802595	0.000378346
2025 Sep	1496.375854	4.392149925	12.91134262	0.303901613	712.3807373	0.314952523	214.14888	0.002188598	0.001116799	1.34897E-05	0.010602465	0.015461381	0.314437836	0.050335944	1.70157E-05	70.29492188	8.73812E-05	0.003988314	0.00039438
2025 Oct	1623.020996	4.885191917	13.98109055	0.317657322	772.0253296	0.330723107	233.3251801	0.002501507	0.001111155	1.40653E-05	0.011063339	0.017934738	0.337277055	0.05285899	1.84285E-05	76.55813599	9.19374E-05	0.00437773	0.000406512
2025 Nov	1739.791138	5.355678082	15.00853825	0.328943521	827.7705078	0.342088431	249.5363617	0.002870584	0.001135275	1.475E-05	0.011574495	0.020225875	0.354546636	0.055142261	1.98528E-05	82.63179016	9.60333E-05	0.00473212	0.000421654
2025 Dec	1749.595581	5.400452614	15.09646511	0.329488248	832.51111084	0.342573911	250.7357635	0.00291182	0.001140327	1.48173E-05	0.011636006	0.020429846	0.355581731	0.055322096	1.99865E-05	83.18026733	9.63265E-05	0.004760058	0.000423094
2026 Jan	1750.212769	5.401615143	15.10213566	0.329653382	832.81073	0.342729509	250.8287354	0.002912067	0.001140464	1.4822E-05	0.011636714	0.020432526	0.355711937	0.055339552	1.99912E-05	83.20436859	9.63574E-05	0.004761665	0.0004232
2026 Feb	1750.361572	5.401217937	15.10364151	0.329741895	832.888855	0.342800647	250.8509979	0.002911471	0.001140491	1.48238E-05	0.011635234	0.020429857	0.35574162	0.055345219	1.99911E-05	83.20761871	9.63658E-05	0.004761984	0.000423233
2026 Mar	1753.320923	5.410011768	15.12909698	0.330325365	834.2907715	0.343417019	251.2859344	0.002915731	0.001142312	1.48485E-05	0.011654474	0.020461977	0.356380045	0.055442642	2.00241E-05	83.34662628	9.65346E-05	0.004770049	0.000423986
2026 Apr	1766.624023	5.451094151	15.24352264	0.332833439	840.6008911	0.346063912	253.2149506	0.002937186	0.001150806	1.49599E-05	0.011744124	0.020615948	0.359163553	0.055870663	2.01758E-05	83.9788208	9.72792E-05	0.00480635	0.000427287
2026 May	1713.704712	5.533830643	14.55808258	0.313556343	809.987793	0.341548592	249.1706238	0.002646354	0.00111212	1.39376E-05	0.012527747	0.019340539	0.373175204	0.056626406	1.94099E-05	80.78857422	9.74958E-05	0.004529176	0.00044518
2026 Jun	1190.14563	3.548204422	9.739032745	0.236588985	559.3031616	0.266331613	176.7915497	0.001365738	0.00093622	1.08274E-05	0.010030026	0.010458687	0.287700653	0.046691213	1.56581E-05	56.5292244	7.5617E-05	0.002985419	0.000433014
2026 Jul	543.2145386	1.411411166	3.290968895	0.078020006	252.8575592	0.112905748	79.48829651	0.001227338	0.000987445	8.98024E-06	0.008896418	0.005262383	0.137581155	0.033528876	1.90756E-05	34.81093597	4.25673E-05	0.001337761	0.000466123
2026 Aug	612.5477905	1.793308139	3.880420923	0.078825891	285.3988953	0.116029173	88.46537781	0.00155769	0.001043016	9.49858E-06	0.009637064	0.00716802	0.14772138	0.034912895	2.00309E-05	39.07462311	4.53461E-05	0.001545182	0.000480984
2026 Sep	711.8408203	2.409338474	4.73382616	0.082861856	331.8256836	0.129804969	103.2150879	0.00183625	0.001076798	9.81851E-06	0.010782401	0.009234671	0.176319003	0.036424343	2.01063E-05	43.760952	5.03518E-05	0.001755447	0.000496135
2026 Oct	804.3701172	3.002004147	5.689968586	0.091719523	376.9517822	0.147437036	116.7999268	0.001985095	0.001039287	9.63298E-06	0.011462412	0.010476403	0.205083311	0.035880975	1.83208E-05	46.58653259	5.40854E-05	0.001886298	0.000476419
2026 Nov	862.6240845	3.292112827	6.219456196	0.093010895	404.9585571	0.148243368	123.6264191	0.002276398	0.001074156	1.005E-05	0.011866138	0.01185173	0.209752873	0.036844295	1.91946E-05	50.06508636	5.55611E-05	0.002057974	0.000485032
2026 Dec	866.0892944	3.306260109	6.250944614	0.093358725	406.6276245	0.148553252	124.0646667	0.002288679	0.001076059	1.0076E-05	0.011885926	0.011914413	0.210174114	0.036915459	1.92386E-05	50.2492981	5.56818E-05	0.002067825	0.000485555
2027 Jan	866.6004028	3.307135582	6.255954742	0.093510389	406.8792725	0.148678482	124.1366119	0.00228888	0.001076173	1.00798E-05	0.011885564	0.011917298	0.210257754	0.036926925	1.92405E-05	50.26787949	5.57051E-05	0.002069243	0.000485562
2027 Feb	866.8166504	3.307337523	6.258106709	0.093588099	406.9862366	0.148742408	124.1680908	0.002288739	0.001076202	1.00815E-05	0.011884985	0.011917633	0.210296571	0.036932435	1.92408E-05	50.27488327	5.57159E-05	0.002069837	0.000485565
2027 Mar	867.958252	3.31134963	6.266669273	0.093741335	407.5252075	0.148953304	124.331955	0.002291359	0.00107749	1.00943E-05	0.011898709	0.011931865	0.210566357	0.03697909	1.92636E-05	50.33805847	5.57877E-05	0.002072605	0.000486141
2027 Apr	876.1295776	3.342325449	6.32585144	0.094641171	411.3635559	0.15036428	125.5026627	0.002312703	0.001087559	1.0189E-05	0.012009614	0.012043349	0.21254459	0.03732609	1.94436E-05	50.81020737	5.63119E-05	0.002092141	0.000490681
2027 May	932.7235718	3.61619091	6.801155567	0.10487584	435.5607605	0.16684559	135.9049683	0.002275656	0.001093179	1.03376E-05	0.012662536	0.012362154	0.237256467	0.039917551	1.96863E-05	52.96199036	6.11347E-05	0.002211546	0.000515449
2027 Jun	941.6077881	3.088089228	7.465304375	0.167573363	439.4512024	0.212013483	141.6167908	0.001391046	0.000948301	9.68438E-06	0.01058818	0.008904517	0.249637529	0.038309578	1.47539E-05	46.81393814	6.56902E-05	0.002273853	0.000407272
2027 Jul	435.4207458	1.271393895	2.772524834	0.06275893	203.7735443	0.101923943	63.21772766	0.001131703	0.000975623	7.59728E-06	0.009079074	0.004135901	0.121853448	0.024349423	1.22601E-05	27.19792747	4.00632E-05	0.000968753	0.000325161
2027 Aug	499.8617859	1.586536288	3.264927864	0.064008638	234.3193359	0.105227068	71.5473938	0.001429105	0.001039033	8.18389E-06	0.009844507	0.005860125	0.131180584	0.025967015	1.3444E-05	31.32795525	4.3023E-05	0.001173758	0.000346736
2027 Sep	684.5563354	2.479295731	4.799565792	0.081083581	321.2602844	0.133246347	99.40158844	0.001813957	0.001059676	8.97591E-06	0.011219017	0.008905924	0.179475144	0.029886557	1.48056E-05	40.04224014	5.16177E-05	0.001618148	0.000393989
2027 Oct	877.6083374	3.324072838	6.607067108	0.100998558	414.7437134	0.151915655	124.1565628	0.002475556	0.001114941	1.0161E-05	0.012061202	0.012875843	0.203408599	0.03268357	1.63934E-05	50.42951965	5.69012E-05	0.002189284	0.00041307
2027 Nov	995.9216919	3.756222963	7.743978977	0.117123686	471.8966675	0.164056376	139.0884399	0.002854111	0.001159137	1.09529E-05	0.012418882	0.014859536	0.2150428	0.034905713	1.75831E-05	56.41752243	6.04058E-05	0.002558385	0.000419148
2027 Dec	1005.231384	3.792102098	7.827349186	0.118275829	476.1937561	0.165368229	140.4871216	0.002878445	0.001161747	1.1007E-05	0.012470637	0.015009159	0.216845334	0.035156589	1.76864E-05	56.89297485	6.08312E-05	0.00258761	0.000420805
2028 Jan	1006.228821	3.793122768	7.83743906	0.118627362	476.6882019	0.165645599	140.6301575	0.002877844	0.001161716	1.10137E-05	0.012466379	0.015010695	0.217008308	0.035180185	1.76885E-05	56.92351532	6.08742E-05	0.002590365	0.00042078
2028 Feb	1006.860229	3.793889523	7.843391895	0.118836798	476.9977112	0.165827185	140.7229309	0.002877561	0.001161897	1.10189E-05	0.012466053	0.015012031	0.217133105	0.0352	1.76918E-05	56.94621658	6.09077E-05	0.002592029	0.000420872
2028 Mar	1007.531189	3.795538664	7.849170685	0.118989468	477.321106	0.165980414	140.8192444	0.002878339	0.001162377	1.10253E-05	0.012469981	0.015017625	0.217272282	0.035222322	1.76994E-05	56.977108	6.09459E-05	0.002593773	0.000421061
2028 Apr	1014.585144	3.821619511	7.904433727	0.119863681	480.6660461	0.167166427	141.8066101	0.002897853	0.001170351	1.1102E-05	0.012554835	0.015120296	0.218790412	0.035468288	1.7821E-05	57.37207031	6.13713E-05	0.002611942	0.000423957
2028 May	1040.218994	3.998705149	8.096780777	0.123527326	489.8291016	0.177750155	147.8612213	0.002835478	0.001173801	1.10992E-05	0.013146048	0.015134841	0.237320855	0.037257873	1.79239E-05	58.30817795	6.46803E-05	0.002645933	0.000443121
2028 Jun	953.7789917	2.981335878	7.730029106	0.174743772	448.1412354	0.211787209	141.3200836	0.001611819	0.000997855	1.01132E-05	0.010366804	0.009681328	0.234880909	0.03583923	1.39679E-05	47.73529434	6.48114E-05	0.002409174	0.000354716
2028 Jul	444.4030762	1.273032546	2.896712303	0.066083491	209.1480865	0.104767725	64.55672455	0.001159636	0.000977124	7.59316E-06	0.00912882	0.004234056	0.122091889	0.022746893	1.17387E-05	28.68070602	4.05516E-05	0.001003792	0.000289823
2028 Aug	463.4143982	1.375777006	2.973881721	0.063293837	218.1485596	0.104525909	66.75243378	0.001313378	0.001040817	7.99779E-06	0.009759481	0.004872767	0.125099033	0.023710554	1.26335E-05	28.44353104	4.21411E-05	0.001065746	0.00030761
2028 Sep	513.6398926	1.641618848	3.32293725	0.063093103	240.6296082	0.109457113	74.25977325	0.001547485	0.001104844	8.40749E-06	0.010617986	0.006300007	0.135468259	0.02564639	1.33856E-05	32.10857391	4.49017E-05	0.001241449	0.000326526
2028 Oct	566.5252686	1.911574244	3.858889341	0.069080457	264.8345032	0.119775817	82.96239471	0.001623881	0.001041931	8.16661E-06	0.010651139	0.006983195	0.14628014	0.026627427	1.28938E-05	34.96289063	4.47203E-05	0.001370648	0.000323306
2028 Nov	544.6496582	1.827590823	3.734195709	0.066000961	255.3894196	0.114625148	78.33374023	0.001649418	0.001048889	8.11367E-06	0.010482934	0.006667444	0.135298088	0.025845883	1.26285E-05	34.31246948	4.23161E-05	0.001309864	0.000310971
2028 Dec	548.2922974	1.842696667	3.767385244	0.066350207	257.1480408	0.114930741	78.79254913	0.001662572	0.001050802	8.13949E-06	0.01050387	0.006732593	0.135730669	0.025920246	1.26761E-05	34.50655746	4.24386E-05	0.001321021	0.000311567
2029 Jan	548.8637695	1.84389627	3.772932291	0.066506028	257.4286499	0.115057595	78.87288666	0.001662852	0.001050836	8.14321E-06	0.010503087	0.006736548	0.135826528	0.025932802	1.26791E-05	34.5273056	4.24626E-05	0.001322616	0.000311599
2029 Feb	549.1112061	1.844263077	3.775354624	0.066586129	257.5504761	0.115123071	78.90882111	0.001662747	0.001050829	8.14484E-06	0.010502331	0.006737444	0.135872409	0.025938826	1.26799E-05	34.53534698	4.2474E-05	0.001323283	0.000311613
2029 Mar	549.4234619	1.845055103	3.777891159	0.066651538	257.7001038	0.115196377	78.9539566	0.001663222	0.001051167	8.14837E-06	0.010505335	0.006740087	0.135941669	0.025950549	1.26845E-05	34.55089951	4.2494E-05	0.001324072	0.000311722
2029 Apr	550.5618286	1.848731518	3.785940409	0.066805355	258.2358704	0.115439534	79.11769867	0.0016664	0.001053197	8.16463E-06	0.010525409	0.006753374	0.136218756	0.026002593	1.27092E-05	34.62015152	4.25797E-05	0.001326836	0.000312329
2029 May	625.017395	2.271989584	4.372454643	0.076647677	286.4870911	0.139904857	96.37814331	0.001579219	0.001018575	8.13345E-06	0.011522851	0.007378743	0.180292651	0.029766355	1.30401E-05	37.68237686	5.01215E-05	0.001491269	0.000354354
2029 Jun	789.9945679	2.749838829	5.876897812	0.123002075	355.8410645	0.196915165	130.6439056	0.001293631	0.000944408	8.5973E-06	0.012028011	0.007937167	0.251900613	0.036250886	1.34556E-05	43.10832977	6.40934E-05	0.001925611	0.000404192
2029 Jul	434.4755249	1.212777257	2.901231527	0.070070587	199.300766	0.110386357	67.10788727	0.00101963	0.000925407	7.19964E-06	0.008859012	0.003832316	0.126378641	0.022984425	1.11623E-05	26.21655846	4.08239E-05	0.001014187	0.000279722
2029 Aug	382.1798401	1.121387839	2.297872782	0.046502244	176.9762268	0.087215461	56.64202881	0.001222706	0.000976315	7.0722E-06	0.009042253	0.00418979	0.105679676	0.02101027	1.13655E-05	25.01179123	3.69544E-05	0.000896302	0.00027464
2029 Sep	452.6448669	1.462790847	2.884342432	0.050781101	209.4803619	0.095811941	67.20581055	0.001458773	0.001009314	7.42158E-06	0.009609438	0.005634883	0.120615229	0.02273727	1.18911E-05	29.03404427	3.96868E-05	0.001113593	0.00029072
2029 Oct	530.1599121	1.736186385	3.648415804	0.064253353	246.7565002	0.108626224	77.55482483	0.001657639	0.001032016	7.85078E-06	0.009802483	0.006815098	0.129904568	0.024405746	1.2082E-05	33.16270447	4.14672E-05	0.001359338	0.000292284
2029 Nov	665.7415771	1.878932118	3.987930298	0.068365425	262.78125	0.114256598	83.0945282	0.0017736	0.001044845	8.04984E-06	0.01004634	0.007405291	0.136539042	0.025539553	1.23944E-05	35.29222107	4.28458E-05	0.001486691	0.000297639
2029 Dec	570.4558716	1.898219705	4.029480457	0.068832844	264.9664917	0.114832669	83.79450226	0.001788053	0.001046508	8.078E-06	0.010077716	0.00748634	0.137427613	0.025665728	1.24544E-05	35.54640198	4.30562E-05	0.001502446	0.000298703
2030 Jan	571.1829224	1.899706841	4.03650713	0.069035366	265.3249512	0.114999227	83.89608002	0.001788313	0.001046562	8.08288E-06	0.010076939	0.007490829	0.137551829	0.025682518	1.24583E-05	35.57270813	4.30873E-05	0.001504433	0.000298756
2030 Feb	571.6480103	1.900660157	4.040644169	0.069157206	265.5505676	0.115114518	83.96341705	0.001788607	0.001046827	8.08712E-06	0.010078676	0.007493741	0.137646794	0.025697358	1.24626E-05	35.59233475	4.31132E-05	0.00150565	0.00029886
2030 Mar	572.2850952	1.9024508	4.045605183	0.069270268	265.8516541	0.115255065	84.05653381	0.001789963	0.001047677	8.09488E-06	0.01008641	0.007500336	0.137791321	0.025722759	1.24734E-05	35.62692642	4.31563E-05	0.001507321	0.000299118
2030 Apr	574.3095093	1.908992887	4.060177803	0.069535889	266.7950134	0.115669787	84.35360718	0.00179593	0.001051201	8.1228E-06	0.010120089	0.007525861	0.138273656	0.025811899	1.25157E-05	35.75004578	4.33061E-05	0.001512649	0.000300133
2030 May	669.1836548	2.421352386	4.751734257	0.080869243	301.4054871	0.149501845	108.1820984	0.001699593	0.001017579	8.20533E-06	0.011591654	0.008423223	0.199038044	0.031046038	1.32099E-05	40.2139473	5.3747E-05	0.001731867	0.000361987
2030 Jun	814.7212524	2.423431873	6.34703207	0.15085119	372.4407349	0.203983754	131.1166687	0.001253667	0.00094748	9.03085E-06	0.010326003	0.007580136	0.232459992	0.035000801	1.25478E-05	42.78980637	6.24469E-05	0.002095293	0.000354067
2030 Jul	413.1258545	1.088583112	2.62973094	0.062876225	189.6569519	0.101433352	63.11322784	0.001077365	0.00094451	7.00141E-06	0.008676805	0.003833481	0.114433944	0.022840215	1.02788E-05	26.39015961	3.91418E-05	0.000977087	0.000283513
2030 Aug	435.2514954	1.273858786	2.669791937	0.051916331	200.4156952	0.093659498	65.28979492	0.001332078	0.00098896	7.15231E-06	0.009231214	0.00480519	0.113957703	0.02275208	1.0934E-05	28.50178528	3.92582E-05	0.00103885	0.00029942
2030 Sep	529.7929688	1.649763823	3.333317757	0.059449408	243.8778992	0.107680783	80.34703064	0.001566275	0.001045283	7.75929E-06	0.010122884	0.006359313	0.136117771	0.025275962	1.20375E-05	33.68026352	4.40152E-05	0.001296755	0.000331993
2030 Oct	717.2974243	2.274235487	4.918933868	0.085242495	336.2653809	0.131966069	104.995224	0.002013599	0.001102357	8.83365E-06	0.010665156	0.008824468	0.159017369	0.02819021	1.33938E-05	42.55875397	4.87775E-05	0.001805652	0.000349764
2030 Nov	805.7562866	2.613861084	5.802412987	0.09784963	379.1312256	0.140891969	115.9162979	0.00230196	0.001128196	9.38721E-06	0.010904952	0.010377131	0.167104751	0.029944111	1.43345E-05	47.10911942	5.11676E-05	0.002136051	0.000355032
2030 Dec	814.1621094	2.653446913	5.880064011	0.09830001	383.1734619	0.141236842	116.9347076	0.002338736	0.001132252	9.4388E-06	0.010957046	0.010543354	0.167917162	0.030093651	1.44498E-05	47.58217239	5.13977E-05	0.002165559	0.000356475
2031 Jan	814.9740601	2.65555048	5.888062954	0.098496728	383.5720825	0.141396552	117.0444412	0.002339662	0.001132367	9.44423E-06	0.010957161	0.010550405	0.168044746	0.03011178	1.44556E-05	47.61428833	5.14301E-05	0.002167969	0.000356538
2031 Feb	815.2478638	2.655875444	5.890855789	0.098596744	383.7079163	0.14147839	117.0841064	0.002339388	0.001132345	9.44617E-06	0.010956115	0.010550797	0.168099135	0.0301193	1.44563E-05	47.62250137	5.14434E-05	0.002168685	0.000356553
2031 Mar	815.7458496	2.657176971	5.894886494	0.098694086	383.9460449	0.141584516	117.1559677	0.002340226	0.001132823	9.4513E-06	0.010960267	0.010555473	0.168201432	0.030136405	1.4463E-05	47.64733887	5.14729E-05	0.002169996	0.000356715
2031 Apr	821.9932251	2.67734313	5.940217495	0.099470183	386.8832703	0.142688215	118.059166	0.002357727	0.001141336	9.52309E-06	0.011042996	0.010635437	0.169505984	0.030367965	1.45725E-05	48.01029968	5.18686E-05	0.002186668	0.000359428
2031 May	909.2426147	2.998275518	6.64607811	0.120350644	417.5925903	0.183131829	141.9213409	0.002159113	0.001101112	9.74773E-06	0.012085406	0.01116298	0.228690669	0.03625796	1.50337E-05	52.22403336	6.25525E-05	0.002433688	0.000416899
2031 Jun	897.9884644	2.531840563	6.858815193	0.161309093	410.0411987	0.212900653	143.6151733	0.001453594	0.000987658	9.59393E-06	0.010358486	0.008745044	0.238705903	0.041306704	1.31913E-05	50.98393631	6.51362E-05	0.002390175	0.000458628
2031 Jul	494.2554321	1.244214296	2.837594032	0.065737233	223.2444458	0.11262767	76.65065002	0.001189456	0.001032665	7.62829E-06	0.009490205	0.004445405	0.130953684	0.033279572	1.14765E-05	36.95937347	4.33129E-05	0.001106021	0.000480395
2031 Aug	571.8391113	1.586168885	3.392099619	0.068762243	258.8959656	0.120102867	88.65435791	0.001450995	0.001073722	8.09776E-06	0.01022043	0.006019154	0.14683418	0.03520406	1.26247E-05	41.54810715	4.69225E-05	0.001372892	0.000509435
2031 Sep	769.7528076	2.326853275	4.582765102	0.084563583	346.115509	0.160222501	128.6993866	0.001530038	0.000992055	8.26514E-06	0.011439142	0.007934011	0.217379332	0.036607165	1.36327E-05	48.80115128	5.74364E-05	0.001713779	0.00053879
2031 Oct	960.2597656	3.030613184	5.860925674	0.100870766	435.2663879	0.187123641	160.6577606	0.001704984	0.000925508	8.40649E-06	0.012212373	0.009303179	0.260114968	0.034926578	1.40865E-05	54.87996292	6.36402E-05	0.001951716	0.000529478
2031 Nov	1038.074463	3.396988392	6.605516911	0.105344057	472.5721741	0.190324038	170.0804138	0.00206457	0.000964418	8.88681E-06	0.012694539	0.010879966	0.26667282	0.036208414	1.51333E-05	59.29600525	6.56927E-05	0.002262004	0.000537715
2031 Dec	1044.232422	3.425045967	6.663574219	0.105777584	475.5525513	0.190638781	170.8174896	0.002090754	0.000967521	8.92634E-06	0.01273002	0.010994954	0.267254472	0.036318187	1.52149E-05	59.63529205	6.5866E-05	0.002284911	0.000538687

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Jan	1044.875244	3.426392317	6.670624733	0.105975941	475.8781738	0.190782309	170.8961334	0.002091375	0.000967688	8.93175E-06	0.012728881	0.010999927	0.267335892	0.03633295	1.52193E-05	59.65778351	6.58915E-05	0.002287067	0.000538657
2032 Feb	1045.095825	3.426513195	6.673279285	0.106077299	475.9932861	0.190854162	170.9228668	0.002091142	0.000967708	8.93386E-06	0.012727333	0.011000149	0.26736626	0.036339041	1.52198E-05	59.66296387	6.59015E-05	0.002287766	0.000538625
2032 Mar	1045.750977	3.428327084	6.678125381	0.106186911	476.299469	0.19099161	171.0251465	0.002092075	0.000968216	8.9396E-06	0.01273304	0.011005864	0.267520487	0.036361042	1.52279E-05	59.69633865	6.59408E-05	0.002289309	0.000538885
2032 Apr	1050.294189	3.443034649	6.70750761	0.106672309	478.3731079	0.191831365	171.7654419	0.002100952	0.000972368	8.97852E-06	0.012787092	0.011053018	0.268675297	0.036518585	1.52933E-05	59.95344162	6.62262E-05	0.002299316	0.000541182
2032 May	1136.241089	3.96374464	7.31375885	0.117697172	495.4816284	0.248973757	208.1682739	0.001850205	0.000884751	8.92708E-06	0.015169611	0.012463258	0.372991174	0.045345936	1.62696E-05	65.55056	8.3878E-05	0.002654396	0.00063111
2032 Jun	1091.805054	3.341160536	7.674880981	0.167276919	477.9341736	0.275204897	200.8758392	0.001254844	0.000830854	9.25002E-06	0.013150981	0.010349678	0.364688694	0.045077469	1.46547E-05	58.89516068	8.51917E-05	0.002689183	0.000536873
2032 Jul	669.6148682	1.793019056	3.868588686	0.084211096	303.2156067	0.141566664	112.7951736	0.001032271	0.00083882	6.89971E-06	0.009555933	0.004867718	0.182954237	0.024467614	1.07048E-05	36.66226196	5.08733E-05	0.001186988	0.000366459
2032 Aug	649.7510986	1.732115269	3.331402779	0.065309778	295.5482178	0.126442015	109.4116592	0.001101511	0.000854107	6.5999E-06	0.009654318	0.004714136	0.17264013	0.021879943	1.02208E-05	35.84919357	4.81715E-05	0.001002471	0.000363409
2032 Sep	716.7603149	1.990409374	3.767202854	0.067280822	326.1212463	0.132653788	120.0893936	0.001314242	0.000887052	6.93278E-06	0.010137833	0.005825611	0.184403867	0.023067242	1.07823E-05	39.63884735	5.0453E-05	0.001199287	0.000377557
2032 Oct	754.7545776	2.131623268	4.086802006	0.070393555	344.3368225	0.135664329	124.9375687	0.001461283	0.000912006	7.18178E-06	0.010323132	0.006489209	0.187140703	0.023847654	1.11139E-05	41.83897781	5.11933E-05	0.001340151	0.000379667
2032 Nov	807.7531128	2.319791317	4.607483387	0.079940252	368.8351135	0.145458162	133.0630341	0.001588072	0.00092655	7.54546E-06	0.010577045	0.007405974	0.19808118	0.025620008	1.17465E-05	44.64835739	5.39082E-05	0.001572753	0.000389619
2032 Dec	871.7097778	2.564875841	5.25864172	0.090518601	399.1593323	0.154827997	141.9271545	0.001771682	0.000942791	7.96646E-06	0.010813218	0.008554246	0.208327755	0.027408194	1.24925E-05	47.98758316	5.65564E-05	0.001854529	0.000398574
2033 Jan	876.4015503	2.586159468	5.303899765	0.090895124	401.4464111	0.155086756	142.4801636	0.001791193	0.000944929	7.99585E-06	0.0108371	0.008638541	0.208760336	0.027491981	1.2552E-05	48.24351501	5.66831E-05	0.001872755	0.000399324
2033 Feb	877.2163086	2.588125229	5.311622143	0.091098085	401.8453064	0.155264944	142.5914001	0.001792107	0.000945299	8.00273E-06	0.010839187	0.00864504	0.208903193	0.027515462	1.25594E-05	48.27826309	5.67222E-05	0.001875171	0.000399465
2033 Mar	879.0510254	2.593129873	5.324021339	0.091360271	402.697998	0.155621499	142.8815613	0.001795211	0.000947039	8.01942E-06	0.010857891	0.008661475	0.20932439	0.027573097	1.25833E-05	48.37333298	5.68365E-05	0.001879312	0.000400193
2033 Apr	887.3058472	2.617239475	5.374747753	0.092259608	406.4865723	0.157101691	144.2188263	0.00181169	0.000955798	8.09472E-06	0.010957596	0.008741832	0.211281583	0.027832132	1.27001E-05	48.82419205	5.73679E-05	0.001897079	0.000403891
2033 May	1052.416748	2.960818291	7.163069725	0.154045701	472.7839355	0.235592201	182.2699432	0.001548631	0.00091895	9.33677E-06	0.011729959	0.009986993	0.297032952	0.039283577	1.39133E-05	56.90044403	7.44398E-05	0.002558847	0.00047797
2033 Jun	954.2927246	2.556577921	6.775464535	0.160279512	421.9436951	0.234909669	169.052002	0.001231843	0.000860614	8.94471E-06	0.010715576	0.008948738	0.28515929	0.043534696	1.26644E-05	55.00691986	7.25589E-05	0.002499065	0.000515779
2033 Jul	652.9470825	1.567690969	3.190440416	0.067425497	291.7670593	0.12401928	110.2736359	0.001062594	0.000882208	6.61369E-06	0.009287747	0.004620465	0.162928954	0.031721611	9.87001E-06	43.12730789	4.8065E-05	0.001071607	0.000523127
2033 Aug	653.8764648	1.591187477	2.983200073	0.057818562	293.309967	0.116025932	109.0193329	0.00116555	0.000928722	6.67111E-06	0.00967352	0.004681006	0.157712966	0.031778809	1.00234E-05	44.26137543	4.76165E-05	0.00100331	0.000551027
2033 Sep	805.809021	2.15439415	4.154792309	0.07716319	360.5834351	0.152192414	139.3213654	0.001361649	0.000913527	7.27757E-06	0.010827653	0.00684947	0.210564688	0.033845734	1.13101E-05	50.5988121	5.66756E-05	0.001480899	0.000556607
2033 Oct	803.4874878	2.223365545	4.611294746	0.087400042	363.9231873	0.15558961	135.0401154	0.001447395	0.000885303	7.34304E-06	0.010439831	0.007112464	0.19910042	0.030044697	1.10504E-05	47.9797554	5.31505E-05	0.001603306	0.000450451
2033 Nov	785.6982422	2.252095699	4.652151585	0.083067209	357.5553284	0.146699965	128.697998	0.001598353	0.000909051	7.40281E-06	0.010393349	0.00729432	0.184947327	0.029016318	1.11456E-05	47.38698196	5.04503E-05	0.001634073	0.000426237
2033 Dec	789.0718994	2.267892361	4.682988167	0.083244652	359.1815796	0.146841839	129.1056366	0.001613161	0.000910842	7.42357E-06	0.010415165	0.007356008	0.185277104	0.029075133	1.11907E-05	47.57867813	5.05462E-05	0.001647187	0.000426915
2034 Jan	789.3875122	2.268802643	4.686166763	0.08331681	359.3379211	0.146899149	129.1460724	0.001613698	0.000910941	7.42596E-06	0.010415583	0.007359223	0.185323745	0.029081987	1.11936E-05	47.59144592	5.05589E-05	0.001648239	0.000426935
2034 Feb	789.5101929	2.269026995	4.687390804	0.083355173	359.3988647	0.146931589	129.1630096	0.00161372	0.000910979	7.42703E-06	0.010415603	0.007359875	0.185347199	0.029085258	1.11945E-05	47.59560776	5.05652E-05	0.001648584	0.000426943
2034 Mar	789.7932739	2.269765615	4.689334393	0.083399132	359.5304565	0.146989927	129.2077332	0.001614167	0.00091125	7.42965E-06	0.010418479	0.007362222	0.185411111	0.029095054	1.1198E-05	47.61091232	5.05825E-05	0.00164922	0.000427064
2034 Apr	792.9506836	2.278796434	4.708231449	0.083740592	360.9693298	0.147580802	129.7233734	0.001620544	0.000914862	7.45933E-06	0.01045964	0.007391487	0.186150908	0.029211011	1.12425E-05	47.80024338	5.07843E-05	0.001655838	0.000428754
2034 May	840.1257324	2.435982466	5.127858162	0.096093364	374.399292	0.176136345	145.997345	0.00154026	0.000897608	7.75537E-06	0.011288708	0.008080269	0.228365198	0.033509914	1.1861E-05	50.8269577	5.85715E-05	0.00187693	0.000464581
2034 Jun	844.036438	2.219850063	5.596821308	0.128301784	375.8556519	0.197333649	146.7144165	0.001253628	0.000881544	8.21662E-06	0.010392711	0.007488451	0.235547125	0.037812974	1.16008E-05	50.52182007	6.19312E-05	0.002015243	0.000479034
2034 Jul	689.5654907	1.689150214	3.441246986	0.071069673	306.3615112	0.134278998	119.6436996	0.001131816	0.000883656	6.75792E-06	0.009844018	0.005172979	0.174842641	0.032013807	1.02889E-05	45.16996765	5.02661E-05	0.001199391	0.000513825
2034 Aug	707.0922241	1.726391435	3.26334691	0.063125953	315.1930237	0.129312426	121.8421478	0.001204276	0.000932228	6.86312E-06	0.010287758	0.005096421	0.173914656	0.031983133	1.0438E-05	46.77895355	5.06655E-05	0.001099343	0.000547124
2034 Sep	880.4932251	2.269310713	4.323148251	0.080484152	389.5731201	0.168204829	158.701004	0.001337957	0.000902154	7.35162E-06	0.011579241	0.007168848	0.235142246	0.034572653	1.15916E-05	54.29011154	6.15842E-05	0.001544124	0.000571475
2034 Oct	1000.659912	2.68263793	5.213835716	0.091894284	448.425354	0.181311071	176.4356689	0.001546575	0.000870397	7.54889E-06	0.011849359	0.008314573	0.250472277	0.032193258	1.19262E-05	57.5219574	6.35485E-05	0.00179306	0.00052298
2034 Nov	1052.995483	2.962351561	5.735812187	0.092808805	474.7612	0.179638192	181.1586609	0.001848265	0.000905438	7.8782E-06	0.012170657	0.009401684	0.250311404	0.032634817	1.26808E-05	60.53258133	6.40564E-05	0.002022366	0.000526095
2034 Dec	1057.854858	2.98497653	5.780272007	0.093077466	477.0992126	0.179868013	181.7535248	0.001869404	0.000908041	7.90826E-06	0.012202926	0.009489537	0.250814259	0.032724138	1.27462E-05	60.80948639	6.42007E-05	0.002041699	0.000527118
2035 Jan	1058.263184	2.98613596	5.784699917	0.093183607	477.2956238	0.179962814	181.8117371	0.001870044	0.000908151	7.91159E-06	0.012203714	0.009494232	0.250898302	0.032736856	1.27505E-05	60.82675171	6.42218E-05	0.002043343	0.00052715
2035 Feb	1058.460327	2.986507416	5.786641598	0.093243957	477.3926697	0.180016041	181.8394623	0.001870109	0.000908237	7.91342E-06	0.012204024	0.009495375	0.250938237	0.032742936	1.27522E-05	60.83410263	6.42325E-05	0.002043911	0.000527174
2035 Mar	1058.837036	2.987462282	5.789162636	0.093300872	477.5672302	0.180090815	181.9006348	0.001870612	0.000908517	7.91643E-06	0.012207286	0.009498358	0.251023293	0.032754518	1.27563E-05	60.85351944	6.42547E-05	0.002044727	0.000527321
2035 Apr	1064.190063	3.002503633	5.818693638	0.093786135	479.9842224	0.181007445	182.818222	0.001879975	0.000913085	7.95657E-06	0.012268383	0.00954615	0.252289951	0.032920066	1.28206E-05	61.15988922	6.45791E-05	0.002055115	0.000529964
2035 May	1093.780273	3.160601139	6.055234432	0.100346372	476.8430176	0.219804555	204.700943	0.001749094	0.000876201	8.15425E-06	0.013785833	0.010573462	0.318413675	0.039112858	1.37263E-05	64.7911377	7.5992E-05	0.002324135	0.000587042
2035 Jun	904.2285156	2.264800072	5.958887577	0.140621811	400.8737793	0.213712007	161.2357635	0.001208184	0.000865137	8.45574E-06	0.010560677	0.007742175	0.25679183	0.037556868	1.17696E-05	51.77368546	6.70533E-05	0.00214673	0.000460466
2035 Jul	612.6265869	1.340043306	2.859926462	0.063924797	273.1091309	0.117883757	106.4504166	0.001004481	0.000872334	6.45432E-06	0.009164348	0.003998064	0.14848119	0.026245175	9.54559E-06	38.65986633	4.60358E-05	0.00095628	0.00041842
2035 Aug	617.2821045	1.409284472	2.759716272	0.054781608	275.0517578	0.111382306	106.6939621	0.001179117	0.000926157	6.60534E-06	0.009672576	0.004600838	0.146111622	0.02634253	9.85008E-06	40.07276154	4.63843E-05	0.001006822	0.000432499
2035 Sep	920.9834595	2.087651491	4.077430248	0.075732753	408.815918	0.159760505	167.7738953	0.001322777	0.00086405	7.04471E-06	0.010861657	0.007016229	0.221912056	0.029484948	1.10866E-05	53.06443405	5.92416E-05	0.001513432	0.000470627
2035 Oct	1080.973267	2.425028563	4.762657166	0.08655715	482.0305786	0.179379985	195.9384155	0.001413475	0.000848677	7.30326E-06	0.011392353	0.007848036	0.248617664	0.030005258	1.14375E-05	59.37918091	6.40206E-05	0.001682929	0.000476936
2035 Nov	1193.702637	2.925884724	6.155631542	0.109772906	538.4553223	0.194579393	207.9071808	0.001821252	0.000890492	8.22634E-06	0.011675102	0.010157038	0.261307508	0.032907821	1.29622E-05	64.96800995	6.79845E-05	0.002289863	0.000483394
2035 Dec	1216.414307	3.042058229	6.370079517	0.110419616	549.4688721	0.194907025	210.5183411	0.001934541	0.000902596	8.35814E-06	0.011831926	0.010609195	0.263143361	0.03327975	1.3284E-05	66.3082428	6.85387E-05	0.002387117	0.000488077
2036 Jan	1217.516724	3.04697752	6.381685257	0.110554315	550.013916	0.194999114	210.6423645	0.001938877	0.000903105	8.36582E-06	0.011836831	0.010627792	0.263255715	0.03330164	1.32981E-05	66.36528015	6.85716E-05	0.002391794	0.000488231
2036 Feb	1217.676147	3.047310591	6.3838377	0.110622332	550.0979004	0.195048273	210.6591034	0.001938915	0.000903149	8.36755E-06	0.011836276	0.010628689	0.263281941	0.033306513	1.32994E-05	66.36968231	6.85791E-05	0.002392389	0.000488221
2036 Mar	1217.764282	3.047448635	6.384943962	0.11066068	550.1436768	0.195077911	210.6694794	0.001938876	0.000903177	8.36852E-06	0.011836035	0.010628995	0.263298959	0.033309408	1.33E-05	66.37207794	6.85838E-05	0.002392675	0.00048822
2036 Apr	1225.034546	3.065967321	6.427939415	0.111494109	553.3966064	0.196384996	211.9254761	0.001950743	0.000908752	8.42331E-06	0.011905985	0.010703155	0.264965773	0.033581637	1.33852E-05	66.80419922	6.90251E-05	0.002410693	0.00049188
2036 May	1229.100952	3.160938263	6.461683273	0.111892514	539.428833	0.227256805	228.5119934	0.001850611	0.000879864	8.52235E-06	0.013337518	0.011545418	0.321155608	0.038837321	1.4152E-05	69.61997986	7.84652E-05	0.002607969	0.000546881
2036 Jun	1086.665405	2.659120798	6.336964607	0.137524456	474.197052	0.236869723	204.4460754	0.001407265	0.0008514	8.6389E-06	0.012127085	0.00978397	0.309071273	0.03922908	1.32134E-05	60.93481064	7.68733E-05	0.002499865	0.000490526
2036 Jul	864.5470581	1.840397	3.745095968	0.087680057	388.3262634	0.141321868	152.0107574	0.001131589	0.000870236	6.80915E-06	0.010052407	0.00525466	0.183753431	0.024957171	1.0411E-05	46.8159523	5.29914E-05	0.001277963	0.000394815
2036 Aug	848.307251	1.830010533	3.460958242	0.083083346	382.1477051	0.128831536	147.2904968	0.001204645	0.00091932	6.79188E-06	0.010272679	0.00500026	0.169732571	0.023823788	1.04622E-05	46.21424866	5.04478E-05	0.001200758	0.000396043
2036 Sep	937.244751	2.218450308	4.218147278	0.100840412	418.5912781	0.151761174	166.3029327	0.001385898	0.000927853	7.267E-06	0.011238671	0.006749455	0.204844281	0.0277219	1.15933E-05	51.60267639	5.64526E-05	0.001664808	0.000433719
2036 Oct	1051.643555	2.643559926	5.110762119	0.132782429	471.3252258	0.175134465	186.4963531	0.001445963	0.000890632	7.48378E-06	0.011813396	0.007691003	0.233776152	0.030446528	1.21206E-05	56.32801819	5.99883E-05	0.002058445	0.000458355
2036 Nov	1138.028442	3.020267725	6.120167255	0.145617589	512.9118652	0.187626556	197.0534058	0.001773964	0.000924623	8.17191E-06	0.012171156	0.009542051	0.24717775	0.033062916	1.33427E-05	61.10253525	6.38E-05	0.002520015	0.000470354
2036 Dec	1183.125	3.228120565	6.621454239	0.1504803	534.7714233	0.192102939	202.3117371	0.001964251	0.00094386	8.49961E-06	0.012377723	0.010466349	0.252827376	0.034168862	1.39697E-05	63.60448074	6.54446E-05	0.002743037	0.000477004
2037 Jan	1185.817261	3.239944935	6.648823738	0.150749996	536.0930786	0.192311153	202.6180115	0.001974918	0.000945123	8.51783E-06	0.012390045	0.010511151	0.253100097	0.034220804	1.40035E-05	63.74596024	6.55257E-05	0.002754102	0.00047743
2037 Feb	1186.360474	3.241130352	6.654461861	0.150905684	536.3643188	0.192447245	202.6882935	0.001975345	0.000945364	8.5229E-06	0.012390643	0.010514904	0.253198624	0.034237366	1.40082E-05	63.76734543	6.55533E-05	0.002755731	0.000477505
2037 Mar	1188.590698	3.246954679	6.668237686	0.151241735	537.3853149	0.192842096	203.0593262	0.001978648	0.000947047	8.53964E-06	0.012411292	0.010533624	0.253670901	0.03430279	1.40335E-05	63.88266373	6.56765E-05	0.002761025	0.000478332
2037 Apr	1194.491211	3.262915611	6.702058792	0.152022704	540.0603027	0.193818659	204.0618134	0.00198823	0.000951695	8.58244E-06	0.012471401	0.0105853	0.25492841	0.034473717	1.41026E-05	64.19718933	6.60026E-05	0.002774793	0.000480667
2037 May	1184.338379	3.083731174	7.402881145	0.180974364	521.7729492	0.254518926	216.6888123	0.001611021	0.000901858	9.40154E-06	0.012706948	0.010917371	0.321789593	0.043851815	1.444E-05	66.05719757	7.89082E-05	0.003052833	0.000536265
2037 Jun	927.6380615	2.302186728	6.234973431	0.158443198	409.6166687	0.213339373	163.8406372	0.001317649	0.000886729	8.72176E-06	0.010348293	0.008651075	0.250342131	0.043618299	1.21646E-05	56.52868652	6.63122E-05	0.002516985	0.000535708
2037 Jul	757.9869385	1.833032966	3.773788929	0.099941991	342.3513794	0.13112092	127.1826324	0.001105076	0.000882567	6.84479E-06	0.009701529	0.005377171	0.166880131	0.033850245	1.02523E-05	47.84244537	4.82488E-05	0.00139577	0.00054653
2037 Aug	804.4342041	2.031603575	3.9494102	0.098565333	365.6216125	0.13093318	133.4490662	0.001249744	0.000920299	7.07007E-06	0.010288398	0.006004077	0.173033983	0.034422945	1.0765E-05	50.54732895	4.98244E-05	0.001470222	0.000577597
2037 Sep	890.9596558	2.364119053	4.62947607	0.104855098	405.4076233	0.146455929	148.607605	0.001461055	0.000949593	7.60642E-06	0.011048182	0.007453839	0.197776824	0.036089174	1.17214E-05	55.02381897	5.48352E-05	0.001753586	0.00059804
2037 Oct	873.7907104	2.33641696	4.890962601	0.106801219	401.5346985	0.153073967	143.584137	0.001468666	0.000943141	7.76699E-06	0.010744657	0.007399223	0.195442572	0.033555686	1.13046E-05	52.35667419	5.35962E-05	0.001731674	0.000526598
2037 Nov	888.8236694	2.431689739	5.166922092	0.108797505	410.236908	0.153696984	143.5606689	0.001593851	0.000962459	7.97088E-06	0.010788049	0.007771093	0.193172082	0.033427045	1.15515E-05	52.96470261	5.34367E-05	0.001832645	0.000512855
2037 Dec	893.4033813	2.449852705	5.207958221	0.109271884	412.3768005	0.154255152	144.2193298	0.001609205	0.000964771	8.00176E-06	0.010820153	0.00784296	0.193960816	0.033545032	1.16112E-05	53.21870422	5.36391E-05	0.001850969	0.000513953
2038 Jan	894.0620117	2.451282263	5.215036869	0.109470516	412.7033386	0.154423699	144.3073578	0.001609653	0.000964926	8.00734E-06	0.01081984	0.007847669	0.194082022	0.033561479	1.16165E-05	53.24133301	5.36712E-05	0.001853139	0.000513947
2038 Feb	894.3535156	2.451740026	5.21821785	0.109574117	412.8491821	0.154510453	144.3463898	0.001609601	0.000964989	8.01E-06	0.010819263	0.007848961	0.194138855	0.033569705	1.16184E-05	53.25028229	5.36865E-05	0.001854008	0.000513945
2038 Mar	894.8252563	2.452841043	5.22176981	0.109669223	413.0730896	0.154612213	144.4182587	0.001610127	0.000965361	8.01426E-06	0.010822741	0.007852385	0.194238067	0.033585984	1.16235E-05	53.27378082	5.37136E-05	0.001855124	0.000514125
2038 Apr	899.3415527	2.465110779	5.248580933	0.110244058	415.161438	0.15540415	145.1447296	0.001618069	0.000970156	8.05473E-06	0.010876094	0.007891607	0.195216611	0.033754684	1.16816E-05	53.54004288	5.39841E-05	0.001864566	0.000516667
2038 May	924.4938965	2.449435472	5.64060688	0.12652041	415.4781799	0.191217408	160.2729187	0.001495739	0.00095824	8.54114E-06	0.011501938	0.008479849	0.239652172	0.039136022	1.2279E-05	56.33110809	6.27146E-05	0.002128864	0.000547848
2038 Jun	829.6349487	1.987359047	5.865040032	0.148620978	374.5012817	0.19320567	137.6626129	0.001262921	0.000936103	8.77159E-06	0.009379304	0.007475625	0.209835514	0.042018827	1.11693E-05	52.13002396	5.95396E-05	0.002186002	0.000522475
2038 Jul	616.8540039	1.440510273	3.283951044	0.075799495	281.7490845	0.118310258	99.54280853	0.001116731	0.000961868	7.09698E-06	0.009318701	0.004848533	0.141505465	0.034839913	9.52254E-06	44.05833817	4.52332E-05	0.001113039	0.000552488
2038 Aug	690.8476563	1.744579196	3.784496546	0.078352466	316.5397034	0.123998962	110.1855469	0.001387757	0.001029076	7.65259E-06	0.010157105	0.006205225	0.15357998	0.036964376	1.06259E-05	48.85159683	4.88374E-05	0.001380346	0.00059058
2038 Sep	794.5714722	2.146728277	4.537190437	0.08523149	365.5198364	0.138020009	127.5228577	0.001642761	0.001050805	8.13698E-06	0.010914247	0.007833854	0.177688703	0.037695043	1.16324E-05	53.56477737	5.32606E-05	0.00170328	0.000599973
2038 Oct	838.8724976	2.340946913	4.953734398	0.088969253	388.4833069	0.14431566	133.9171143	0.001764393	0.001042657	8.2594E-06	0.011099721	0.008322461	0.184927195	0.035831135	1.17755E-05	54.16238403	5.36542E-05	0.00180899	0.000560583
2038 Nov	853.3286743	2.423460245	5.116629124	0.089454234	395.9101868	0.144252121	135.0683441	0.001854959	0.001054553	8.36036E-06	0.011210414	0.008585211	0.184565648	0.035724077	1.19697E-05	54.83075333	5.36676E-05	0.001875463	0.000555193

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2038 Dec	856.4833374	2.434330702	5.146352291	0.089962721	397.3800659	0.144790471	135.5418091	0.001862805	0.001055599	8.38166E-06	0.011225888	0.008627139	0.185190618	0.035805084	1.2006E-05	54.98479843	5.38197E-05	0.001887938	0.000555684
2039 Jan	857.09375	2.435398817	5.152657032	0.090162531	397.6636353	0.144988164	135.6453705	0.001862731	0.001055611	8.38642E-06	0.011226072	0.008631239	0.185362175	0.03582437	1.20109E-05	55.00554276	5.38591E-05	0.001890094	0.000555683
2039 Feb	857.3716431	2.435761452	5.155580044	0.090264857	397.7920837	0.145089	135.6942291	0.001862513	0.001055593	8.38865E-06	0.011225828	0.008632676	0.185446814	0.035834126	1.20129E-05	55.01435471	5.38784E-05	0.001891055	0.000555681
2039 Mar	858.5802612	2.438959837	5.163529396	0.090432145	398.3527527	0.14532277	135.8879852	0.001864688	0.001056887	8.40022E-06	0.011239526	0.008644079	0.185721144	0.035883602	1.20288E-05	55.08695602	5.39552E-05	0.001893905	0.000556365
2039 Apr	862.7106323	2.45056963	5.188791752	0.090890676	400.2720337	0.146034181	136.5400238	0.001873421	0.001061871	8.44053E-06	0.01129221	0.008685081	0.186613604	0.036054838	1.2086E-05	55.34872055	5.42138E-05	0.001903078	0.00055898
2039 May	880.7684937	2.50047493	5.288142681	0.092923038	405.424469	0.154674605	142.5328369	0.00189685	0.001078487	8.63791E-06	0.011749611	0.009047559	0.199945956	0.037625011	1.24691E-05	56.9890976	5.69971E-05	0.001989772	0.000576407
2039 Jun	878.2728882	2.163089275	6.016876698	0.142531246	384.3194275	0.223809078	163.7960052	0.001336665	0.000925973	9.04225E-06	0.01127859	0.008838046	0.271299779	0.039786898	1.24808E-05	52.96144104	7.06915E-05	0.002409708	0.000468314
2039 Jul	690.2472534	1.694231272	4.241191864	0.09563607	313.2255859	0.145504206	119.4777527	0.001176493	0.000893292	7.4054E-06	0.009426367	0.005942903	0.176191404	0.025921354	1.0092E-05	40.0728569	5.16772E-05	0.001445693	0.000362008
2039 Aug	663.2426758	1.728906393	3.866368532	0.076261781	306.1250305	0.125573501	111.9438934	0.001301539	0.000896859	7.04362E-06	0.009096929	0.005858038	0.158380404	0.02246776	9.79054E-06	38.32468414	4.55665E-05	0.001260102	0.000347701
2039 Sep	616.8322754	1.630437255	3.492832661	0.066229604	284.5959167	0.117563486	104.1153259	0.001313177	0.000919427	6.90837E-06	0.008997028	0.005609777	0.148332685	0.021471089	9.45726E-06	36.48979568	4.23873E-05	0.001144869	0.000334089
2039 Oct	648.1972656	1.827791333	3.879121065	0.067509711	299.0202026	0.118803971	107.1671361	0.001538023	0.00094775	7.15996E-06	0.009250158	0.006482179	0.149716645	0.022379775	9.94327E-06	38.77526474	4.27227E-05	0.001367805	0.000334953
2039 Nov	676.46698	1.961987019	4.131003857	0.068635441	312.2251892	0.120275415	110.9006729	0.001665423	0.000964089	7.33042E-06	0.009475694	0.006988029	0.153265595	0.022964315	1.03351E-05	40.47091675	4.36874E-05	0.001491146	0.000342602
2039 Dec	679.0217896	1.970948935	4.153243065	0.068977855	313.4121399	0.120669626	111.2825241	0.001672353	0.00096548	7.34897E-06	0.009493339	0.007021759	0.153755188	0.023035739	1.03666E-05	40.60736084	4.38132E-05	0.001500618	0.000343286
2040 Jan	679.5050049	1.971793413	4.15794611	0.069126263	313.6305237	0.120827101	111.3694611	0.001672273	0.000965467	7.35247E-06	0.009494181	0.007025386	0.153903916	0.023055503	1.03706E-05	40.62735748	4.38471E-05	0.00150237	0.000343368
2040 Feb	679.7808838	1.972222686	4.160415649	0.069207475	313.7503662	0.120924331	111.4246216	0.00167219	0.000965495	7.3546E-06	0.009495336	0.00702754	0.154003218	0.023068825	1.03733E-05	40.6402092	4.38696E-05	0.001503352	0.000343447
2040 Mar	680.8937378	1.975244164	4.167636871	0.069349468	314.2590332	0.121149935	111.6134338	0.001674505	0.000966875	7.36617E-06	0.009509476	0.007038703	0.15427801	0.023109024	1.03895E-05	40.70491028	4.39444E-05	0.001506026	0.000343979
2040 Apr	684.399292	1.985282183	4.18928051	0.069721825	315.8705444	0.121794581	112.1954956	0.001682864	0.000971725	7.40378E-06	0.00955786	0.00707493	0.155095354	0.023230452	1.04427E-05	40.91404343	4.41742E-05	0.001513953	0.000345742
2040 May	731.7122192	2.044510603	4.646903038	0.086486816	334.6540222	0.143485188	122.7673264	0.00164601	0.000985061	7.89492E-06	0.009870199	0.007451771	0.177241355	0.026723661	1.09465E-05	43.72050476	4.9134E-05	0.001701814	0.000372183
2040 Jun	744.9694824	1.685152531	5.656198502	0.14987047	343.0553284	0.182773307	119.0316162	0.001144432	0.000936984	8.73654E-06	0.008167963	0.006169265	0.181414872	0.03401909	1.02913E-05	42.88508987	5.36712E-05	0.001931224	0.000375548
2040 Jul	464.9026794	1.035056949	2.744211674	0.066234328	212.921875	0.101072095	72.84294891	0.001050964	0.000940535	6.85537E-06	0.008073813	0.004090121	0.11002969	0.028579941	8.75499E-06	33.90776062	3.79936E-05	0.000978657	0.000409272
2040 Aug	510.1781616	1.317070365	3.040701628	0.062121172	234.5132751	0.099265248	78.35133362	0.001293562	0.000985403	7.15169E-06	0.008740287	0.005109048	0.116033308	0.029633135	9.45249E-06	37.30854034	3.96725E-05	0.001146378	0.000446429
2040 Sep	630.6062012	1.850128651	3.970690012	0.072085887	292.0483398	0.114234522	96.80812836	0.001539569	0.001003938	7.70677E-06	0.009478683	0.00657995	0.142751947	0.0302891	1.03403E-05	42.60451126	4.41741E-05	0.001430752	0.000476424
2040 Oct	690.5997925	2.041359663	4.432331085	0.079341672	321.5505981	0.12219061	105.5748596	0.001656721	0.001016403	7.97966E-06	0.00966353	0.007150409	0.15125826	0.030377485	1.06975E-05	44.88534546	4.55521E-05	0.001579889	0.000470878
2040 Nov	721.6363525	2.173924923	4.708699703	0.081772327	336.0596008	0.12493746	109.9047699	0.001775496	0.001032581	8.17345E-06	0.009880951	0.007659046	0.155687496	0.031041501	1.10988E-05	46.63990021	4.67241E-05	0.0017128	0.000478
2040 Dec	723.9977417	2.182033539	4.72971344	0.082112327	337.1291504	0.125359222	110.2904816	0.00178148	0.001033513	8.18942E-06	0.009896655	0.007691155	0.156221986	0.03111222	1.11277E-05	46.76574707	4.68525E-05	0.001722344	0.00047858
2041 Jan	724.612915	2.183107615	4.735188484	0.082281306	337.397522	0.12556459	110.4130707	0.001781505	0.001033579	8.19395E-06	0.009899341	0.007696314	0.156434759	0.031137435	1.11338E-05	46.79299164	4.69001E-05	0.00172455	0.000478695
2041 Feb	724.9567261	2.183702946	4.738171101	0.082374848	337.552002	0.125672638	110.4766541	0.001781547	0.001033686	8.19678E-06	0.009900951	0.007698868	0.156541437	0.031151539	1.11372E-05	46.80854797	4.69253E-05	0.001725643	0.000478782
2041 Mar	725.9620972	2.1864779	4.745111942	0.082518369	338.0148315	0.125876814	110.6383743	0.001783561	0.001034902	8.20754E-06	0.009913133	0.007709044	0.156782627	0.031194992	1.11517E-05	46.87016296	4.69931E-05	0.001728215	0.000479374
2041 Apr	728.894165	2.195146322	4.764441013	0.082867555	339.3733521	0.126407817	111.0940628	0.001790478	0.001038943	8.24029E-06	0.009952499	0.007740071	0.157440051	0.031322125	1.11964E-05	47.05813217	4.71862E-05	0.00173535	0.000481276
2041 May	798.0027466	2.652810812	5.503103256	0.09656807	368.5418091	0.150155932	124.4303436	0.001758228	0.001026478	8.70171E-06	0.010797969	0.00819691	0.196660832	0.032622397	1.15493E-05	49.67447662	5.34772E-05	0.001790298	0.00052901
2041 Jun	935.9442139	2.93140626	7.488460541	0.173333943	436.6791077	0.214692056	144.3373718	0.001303767	0.000944126	9.78317E-06	0.009987958	0.007530724	0.245106697	0.032782611	1.13122E-05	48.11057663	6.3814E-05	0.002034813	0.000443951
2041 Jul	571.6135864	1.469682097	3.71176362	0.086790256	268.1577148	0.121815428	89.70788574	0.0010414	0.000891426	7.13852E-06	0.008464256	0.004531812	0.139916599	0.021859799	8.60047E-06	32.03396988	4.34485E-05	0.001065879	0.000304267
2041 Aug	521.2009277	1.30855608	2.909484863	0.061709136	246.4210663	0.101976871	82.34359741	0.001113856	0.000921312	6.77602E-06	0.008885249	0.004458558	0.126404017	0.020205449	8.43322E-06	30.53329086	4.09382E-05	0.000895265	0.000304023
2041 Sep	597.7286987	1.67193079	3.535377264	0.06739676	281.6318054	0.110945225	94.12145996	0.00132906	0.000948649	7.17238E-06	0.009490457	0.005673619	0.142787457	0.021561807	9.1782E-06	34.59157181	4.42167E-05	0.001153578	0.000326963
2041 Oct	712.7110596	2.142777681	4.506140709	0.078852914	335.6076965	0.124825016	111.3389893	0.001634278	0.000973606	7.72136E-06	0.010082854	0.007267007	0.162738979	0.023518028	1.01647E-05	40.52057648	4.80921E-05	0.001542974	0.000350756
2041 Nov	759.9312744	2.343065262	4.945178509	0.083298378	357.6794739	0.129368275	117.8219528	0.001813085	0.00099726	8.0268E-06	0.010386321	0.008037206	0.169297069	0.024609759	1.07709E-05	43.20591354	4.98662E-05	0.001749271	0.000361618
2041 Dec	763.2009888	2.355113506	4.973393917	0.083670035	359.1246948	0.129918292	118.3802261	0.001822744	0.000998761	8.04887E-06	0.010413323	0.008087165	0.170083627	0.024717728	1.0815E-05	43.39739609	5.00531E-05	0.001763155	0.000362665
2042 Jan	763.9128418	2.356524229	4.979641438	0.083850421	359.4403992	0.130133107	118.5131073	0.001823097	0.000998968	8.05452E-06	0.010416894	0.008093415	0.17030403	0.024747383	1.08226E-05	43.43158722	5.01042E-05	0.001765625	0.000362856
2042 Feb	764.1869507	2.356903553	4.98221302	0.083937809	359.5639648	0.130226642	118.563385	0.001822985	0.000998996	8.0567E-06	0.010417373	0.008095116	0.17038852	0.024759268	1.0825E-05	43.44327164	5.01236E-05	0.001766536	0.000362915
2042 Mar	764.956543	2.358989477	4.987580776	0.084052488	359.9173279	0.130392179	118.6931686	0.001824362	0.000999802	8.06435E-06	0.010426425	0.008102875	0.17058903	0.024787569	1.08353E-05	43.48586655	5.01777E-05	0.001768545	0.000363256
2042 Apr	771.885376	2.379942894	5.032343388	0.08482068	363.1242676	0.131664217	119.8250122	0.001840312	0.001008573	8.13652E-06	0.010522801	0.008178341	0.172283664	0.025028182	1.09351E-05	43.88724899	5.06576E-05	0.001785384	0.00036665
2042 May	843.9187012	2.692515135	5.715777874	0.101054147	395.9365845	0.151470795	131.1947479	0.001834261	0.001024751	8.63071E-06	0.011060509	0.008612311	0.197849065	0.027549403	1.14436E-05	46.86690521	5.55712E-05	0.001903302	0.000401679
2042 Jun	856.4886475	2.488540411	6.504871368	0.149671346	402.6565857	0.184280261	130.459671	0.00138619	0.000970066	9.06753E-06	0.009646958	0.007209941	0.204988748	0.029457657	1.08301E-05	43.74521255	5.80719E-05	0.001948986	0.000349259
2042 Jul	540.8824463	1.38340044	3.447882175	0.080466561	250.1239166	0.116031952	85.93579865	0.001147222	0.000941806	7.11726E-06	0.008702312	0.004547224	0.13000381	0.022261895	8.90415E-06	31.53658676	4.304E-05	0.00114522	0.000279591
2042 Aug	617.2930298	1.765114546	3.95018363	0.078731038	283.5112	0.119328745	98.88173676	0.0014344	0.000953893	7.20763E-06	0.009015446	0.006140948	0.141341254	0.023724036	9.7966E-06	36.18894577	4.3724E-05	0.001459346	0.000290725
2042 Sep	688.6774902	2.101584911	4.505754948	0.081506722	315.4150696	0.126814276	110.2950134	0.001665932	0.000966008	7.3996E-06	0.009226797	0.0073305	0.153191656	0.02528714	1.05198E-05	40.47522354	4.39562E-05	0.001723127	0.000300054
2042 Oct	728.5762329	2.317106724	4.853286266	0.080727585	332.7083435	0.128638044	116.5531998	0.00188119	0.000978704	7.54163E-06	0.009472146	0.008180402	0.157058135	0.026034841	1.10075E-05	43.54820251	4.38954E-05	0.001921309	0.00030775
2042 Nov	778.2225342	2.565838337	5.308967113	0.082085259	355.4604187	0.130728289	123.2976151	0.002125365	0.001007978	7.84563E-06	0.009886023	0.009132223	0.16318275	0.027049765	1.17262E-05	46.67199326	4.55723E-05	0.002152123	0.000321819
2042 Dec	781.8920898	2.580618382	5.341413021	0.082426935	357.0897522	0.131232262	123.8952408	0.002137952	0.001009644	7.86947E-06	0.009915805	0.009192521	0.163969815	0.027159028	1.17762E-05	46.89013672	4.57628E-05	0.002168166	0.000322954
2043 Jan	782.4815674	2.581571102	5.34642601	0.082580097	357.3291931	0.131451741	124.0312119	0.002137929	0.001009643	7.8737E-06	0.009919686	0.00919864	0.164225951	0.027190214	1.1783E-05	46.92116928	4.58186E-05	0.002170561	0.000323172
2043 Feb	782.7329712	2.581902981	5.348797321	0.08266212	357.4473877	0.131533504	124.073555	0.002137798	0.001009679	7.8758E-06	0.00992002	0.009199898	0.164296284	0.027199989	1.17849E-05	46.93098068	4.58358E-05	0.002171298	0.000323227
2043 Mar	783.1782837	2.583117962	5.352243423	0.082740396	357.6561279	0.131624743	124.1417007	0.00213859	0.001010109	7.88009E-06	0.009923891	0.009204023	0.164389268	0.027214998	1.17905E-05	46.95419693	4.58614E-05	0.002172504	0.000323374
2043 Apr	790.5741577	2.607364416	5.403015137	0.083539665	361.0365295	0.132877409	125.3127899	0.00215854	0.001019565	7.95439E-06	0.0100166	0.00929031	0.165941864	0.027471788	1.19012E-05	47.39562988	4.62943E-05	0.002193004	0.000326407
2043 May	896.4439087	2.943146944	6.220551491	0.104879968	410.2608643	0.156876832	141.544754	0.002122596	0.001036208	8.38862E-06	0.01056953	0.009986461	0.194952846	0.031832837	1.26146E-05	51.43733978	5.22377E-05	0.002383456	0.000353479
2043 Jun	905.2831421	2.412516356	6.94102478	0.17105794	421.1190186	0.198177993	137.2910614	0.00130449	0.000954354	8.92217E-06	0.008637773	0.007570999	0.201445103	0.037456177	1.12089E-05	47.79644775	5.70878E-05	0.002263145	0.000353719
2043 Jul	523.1524658	1.296979666	3.291774035	0.07754156	233.1631622	0.114170432	84.42657471	0.001197076	0.000982871	7.04878E-06	0.008429837	0.004746703	0.120475531	0.031076226	9.2569E-06	37.30767059	4.0594E-05	0.001261681	0.0003854
2043 Aug	589.677063	1.616577148	3.778773308	0.07907629	262.4699707	0.119171001	95.02104187	0.001456147	0.001033795	7.451E-06	0.009140534	0.00612288	0.132456899	0.033110362	1.02722E-05	41.70518112	4.35388E-05	0.001527023	0.000412687
2043 Sep	709.2749023	2.193707943	4.659332752	0.083259329	315.1541443	0.131549031	115.6237488	0.001795182	0.001064297	7.818E-06	0.010086327	0.00817535	0.159393862	0.035318218	1.15902E-05	47.9888649	4.79019E-05	0.001904035	0.00043014
2043 Oct	709.7909546	2.087836742	4.699703693	0.090094566	314.3982544	0.141882852	119.3801575	0.001702972	0.00104473	7.92191E-06	0.009864568	0.00765718	0.163845614	0.033201069	1.12664E-05	47.10916519	4.7434E-05	0.001843167	0.000395908
2043 Nov	680.2582397	1.860591173	4.643594742	0.097280659	303.3849487	0.143931478	113.5145874	0.00162003	0.001038305	8.11043E-06	0.009308902	0.006838999	0.152579904	0.030993873	1.08667E-05	44.81772232	4.53458E-05	0.001774297	0.000365333
2043 Dec	687.5646973	1.894303679	4.713378429	0.097839259	306.8306885	0.144410044	114.4514084	0.001650316	0.001041826	8.15605E-06	0.009353537	0.006962908	0.153432757	0.031127866	1.09599E-05	45.22233963	4.5585E-05	0.001805231	0.000366865
2044 Jan	688.2185669	1.896164536	4.71850872	0.097959407	307.0838623	0.144528523	114.5996399	0.001654282	0.001042018	8.16103E-06	0.009355779	0.006976426	0.153554261	0.03115271	1.0967E-05	45.27869415	4.56138E-05	0.001807553	0.00036717
2044 Feb	688.8529053	1.89774096	4.719798088	0.098018527	307.1735535	0.144643396	114.8953476	0.001665301	0.001042536	8.16779E-06	0.009361974	0.006997358	0.153693616	0.031184405	1.09781E-05	45.39582062	4.56411E-05	0.001809426	0.000367747
2044 Mar	690.0640259	1.900947332	4.725078106	0.098161861	307.519043	0.144875854	115.2926712	0.001678033	0.001043822	8.18099E-06	0.009375202	0.007026257	0.153955042	0.031233106	1.09979E-05	45.54738998	4.57029E-05	0.001812732	0.000368492
2044 Apr	692.7086792	1.908132672	4.740661621	0.098514207	308.5334473	0.145412922	115.9008331	0.001692765	0.001047327	8.21123E-06	0.009408229	0.007067225	0.154538617	0.031344965	1.10404E-05	45.78096008	4.5862E-05	0.001819773	0.000369943
2044 May	706.0979614	1.943672895	4.827489376	0.100326754	314.3205872	0.148253798	118.1385803	0.001732183	0.00107339	8.39671E-06	0.00962864	0.007213687	0.157504499	0.032217212	1.12794E-05	46.87140274	4.68623E-05	0.001856749	0.000381327
2044 Jun	319.1562805	0.861162364	1.886305571	0.039158635	132.7802582	0.075106502	54.53048706	0.001143762	0.0009527	5.81165E-06	0.008145217	0.003420633	0.080658056	0.022178609	7.13337E-06	26.50977516	3.22645E-05	0.000789183	0.00025464
2044 Jul	239.9884796	0.495546311	0.998693764	0.023520697	89.32062531	0.065548167	49.88124466	0.00103229	0.000971421	5.53357E-06	0.00819248	0.002117218	0.06952484	0.019124566	6.22343E-06	24.59229469	3.02413E-05	0.000436963	0.000258378
2044 Aug	323.7402039	0.611643612	1.117168665	0.025373237	95.06132507	0.125298962	103.3674011	0.001197391	0.000986435	6.1508E-06	0.01147628	0.005082101	0.186557665	0.032411326	9.07732E-06	36.81629944	5.21935E-05	0.001146503	0.000380497
2044 Sep	263.4988403	0.595182657	1.026074529	0.022643942	89.66131592	0.084661491	64.29497528	0.001171157	0.001022371	5.82288E-06	0.009219018	0.002979834	0.098796509	0.021937707	6.83971E-06	28.29791451	3.24987E-05	0.000546195	0.000257306
2044 Oct	233.0939026	0.514431357	0.857824624	0.019289376	78.80075073	0.077284604	55.86023712	0.001142915	0.00100694	5.64724E-06	0.008966477	0.002487011	0.081078947	0.019913143	6.26288E-06	26.52474213	2.87041E-05	0.000434239	0.000234525
2044 Nov	220.1752777	0.467689782	0.7799384	0.017810082	73.75731659	0.075433865	52.82046127	0.001122273	0.001014071	5.65553E-06	0.008962622	0.002308583	0.076464593	0.019577095	6.16519E-06	25.9306221	2.79745E-05	0.000411182	0.000231705
2044 Dec	221.3302155	0.469542891	0.779125094	0.017847463	73.65433502	0.076095901	53.72068405	0.001141745	0.001013915	5.6653E-06	0.008998989	0.00237167	0.077680938	0.019717336	6.20355E-06	26.19190216	2.81943E-05	0.000420369	0.000233093
2045 Jan	222.0366516	0.470895559	0.777899504	0.01787927	73.5517807	0.076252677	54.26754761	0.001162361	0.001013349	5.66941E-06	0.009003144	0.002416686	0.077968672	0.019773869	6.21836E-06	26.39790535	2.8229E-05	0.000424078	0.000234083
2045 Feb	223.6418152	0.474281102	0.777015686	0.017980656	73.47690582	0.076461181	55.33483505	0.001206368	0.001012593	5.67955E-06	0.009003829	0.002503074	0.078272231	0.019825147	6.24306E-06	26.79917908	2.82457E-05	0.000429309	0.000235477
2045 Mar	224.8860931	0.476909757	0.778508008	0.018068355	73.62539673	0.076732345	55.92790222	0.001228553	0.001014816	5.69815E-06	0.00902609	0.002546647	0.078578651	0.019900318	6.26905E-06	27.0426445	2.83202E-05	0.000432591	0.000236746
2045 Apr	226.2643585	0.479838431	0.781229258	0.018170796	73.88573456	0.077091217	56.48243332	0.00124746	0.001018498	5.7234E-06	0.009060903	0.002583998	0.078968458	0.019991932	6.30096E-06	27.27485466	2.84328E-05	0.000435869	0.000238088
2045 May	228.7517242	0.485257685	0.783520758	0.018351279	74.08866882	0.077599883	57.80406189	0.001297804	0.00102127	5.75421E-06	0.009094346	0.002681831	0.079571091	0.020071138	6.3486E-06	27.76087379	2.85474E-05	0.000442386	0.000239605
2045 Jun	252.2045135	0.659583151	1.078160286	0.02092267	86.15287781	0.067601979	57.90151596	0.000988037	0.000928171	5.10854E-06	0.008886977	0.002872451	0.094162799	0.018623432	6.25937E-06	23.11207199	3.39007E-05	0.000488408	0.000191754
2045 Jul	299.2476501	0.616209209	1.118256569	0.023134006	98.58017731	0.075368904	76.35649872	0.001080878	0.000997563	5.72871E-06	0.00917249	0.002310768	0.100861624	0.015686655	6.04573E-06	28.21785736	3.63554E-05	0.000362199	0.000249361
2045 Aug	310.8485413	0.667479932	1.139674187	0.022845363	92.78282166	0.090380289	89.30570984	0.001415428	0.001060657	6.23636E-06	0.010369324	0.003838676	0.133177161	0.021139586	7.43473E-06	32.51345062	4.16432E-05	0.000637812	0.000279088
2045 Sep	309.0866699	0.681698501	1.136119723	0.02206374	91.91520691	0.093274385	89.27552032	0.001316681	0.001027974	6.04063E-06	0.010344258	0.003907596	0.138121933	0.022165775	7.40234E-06	32.43662643	4.07435E-05	0.000665266	0.000276504
2045 Oct	354.7785645	0.778560579	1.189227104	0.024558339	95.08383942	0.109046087	116.0039597	0.001924907	0.001015078	6.28201E-06	0.011206424	0.005740478	0.16916658	0.025579581	8.37873E-06	40.35091019	4.60009E-05	0.000891714	0.000312151

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2045 Nov	369.5715637	0.804216564	1.193521261	0.02533992	95.20840454	0.113968253	125.633522	0.002185436	0.001014178	6.39594E-06	0.011461177	0.00641248	0.178649724	0.026536046	8.72051E-06	43.30412292	4.76279E-05	0.000966872	0.000324396
2045 Dec	372.274353	0.808667243	1.193283319	0.025471317	95.15705872	0.114944212	127.4795074	0.002235679	0.001014082	6.41821E-06	0.01151377	0.00654333	0.180511415	0.026735332	8.78842E-06	43.87532043	4.79485E-05	0.00098192	0.000326804
2046 Jan	372.909729	0.80970943	1.192284107	0.025501225	95.08551025	0.115100615	127.955719	0.002253672	0.00101387	6.42333E-06	0.011519576	0.006581938	0.180765778	0.026782665	8.80269E-06	44.05386734	4.79818E-05	0.000985145	0.000327593
2046 Feb	372.9805298	0.809761107	1.192201257	0.025501339	95.09583282	0.115105517	127.9696808	0.002254741	0.00101429	6.42556E-06	0.011521707	0.006584248	0.180759624	0.026817571	8.80495E-06	44.08588409	4.79883E-05	0.000985501	0.000328188
2046 Mar	374.168396	0.812288404	1.195880175	0.02558008	95.39864349	0.115465261	128.3669128	0.002261958	0.00101769	6.44672E-06	0.011558806	0.006605288	0.181317702	0.02692033	8.83344E-06	44.23758698	4.81416E-05	0.000988728	0.000329533
2046 Apr	374.6295166	0.813016832	1.196938396	0.025601661	95.48311615	0.115649872	128.5727692	0.002263684	0.001018554	6.45321E-06	0.011575093	0.006616261	0.181706488	0.026980251	8.84655E-06	44.30256653	4.82296E-05	0.000991124	0.000330243
2046 May	365.0609131	0.781890273	1.145833135	0.024538931	92.58235168	0.11262773	124.3497543	0.002226976	0.00103521	6.48724E-06	0.011539302	0.006493901	0.176488608	0.028682057	8.82026E-06	44.67783737	4.78667E-05	0.000990085	0.000359128
2046 Jun	201.9342499	0.48087883	0.745078564	0.014245103	59.42386627	0.055565532	50.35491943	0.001134625	0.000944024	5.12785E-06	0.008765562	0.003009636	0.084490582	0.019947067	6.28914E-06	22.81525993	3.32448E-05	0.000515078	0.000215007
2046 Jul	188.3277588	0.353109032	0.621922791	0.012469303	56.37500763	0.050072126	47.59989929	0.001002612	0.00094439	5.11562E-06	0.008035881	0.001726884	0.065813825	0.013923751	5.33947E-06	21.01215935	2.9525E-05	0.000282225	0.00020104
2046 Aug	194.1218719	0.35947153	0.629935443	0.01238391	55.72332001	0.055523191	51.88831711	0.001050871	0.000982122	5.36234E-06	0.008543666	0.002090701	0.077551693	0.01585816	5.83809E-06	22.35349846	3.17137E-05	0.000368182	0.000213856
2046 Sep	209.4031219	0.423029304	0.668606877	0.012614711	58.72876358	0.063135311	57.75194931	0.001066871	0.000948628	5.228E-06	0.008561704	0.00257534	0.088577859	0.01772291	6.0118E-06	24.20804214	2.98365E-05	0.000427045	0.000207726
2046 Oct	202.9591217	0.395156354	0.557889938	0.011070734	53.67950058	0.065706193	59.67751312	0.001185841	0.000932818	5.18991E-06	0.008757615	0.00267451	0.085435458	0.017904218	5.88149E-06	25.82819748	2.8391E-05	0.000411121	0.000211962
2046 Nov	203.8534546	0.375100464	0.507531404	0.010477345	50.26781082	0.06964124	64.83479309	0.001293554	0.000934023	5.27058E-06	0.009059725	0.003025084	0.093563065	0.018991819	6.13754E-06	27.43545532	2.99724E-05	0.000478282	0.000224398
2046 Dec	206.988739	0.379008919	0.508391738	0.010590103	50.26713943	0.070928358	66.97895813	0.001335021	0.000933417	5.29317E-06	0.009140901	0.003167447	0.096545741	0.019320631	6.22666E-06	28.03861618	3.05147E-05	0.000499853	0.000227901
2047 Jan	208.258316	0.380879819	0.507817149	0.010647546	50.21824265	0.071197391	67.83564758	0.001366292	0.000932977	5.3021E-06	0.009150469	0.003235345	0.097025745	0.019397013	6.25173E-06	28.34952927	3.058E-05	0.000505485	0.000229221
2047 Feb	210.0042114	0.383674353	0.507531941	0.010736125	50.20428467	0.071440883	68.9235611	0.001411576	0.000932835	5.31571E-06	0.009154899	0.003322993	0.097321667	0.0194543	6.27936E-06	28.76615906	3.06027E-05	0.000510719	0.000230699
2047 Mar	213.3378754	0.389417112	0.511167347	0.010908222	50.5662384	0.072232716	70.54876709	0.001467754	0.000939561	5.36882E-06	0.009228197	0.003435977	0.098371476	0.019636219	6.35403E-06	29.38763237	3.08554E-05	0.000519691	0.000233537
2047 Apr	216.231842	0.394430965	0.514529705	0.011058262	50.89714813	0.072936654	71.94280243	0.001515205	0.000945675	5.41598E-06	0.009294675	0.003531659	0.099308729	0.019792542	6.41976E-06	29.91654968	3.1084E-05	0.000527407	0.000235917
2047 May	199.7851105	0.345715821	0.440129936	0.009549897	46.18489838	0.066363826	64.52825165	0.001440019	0.000944067	5.33104E-06	0.008974398	0.003407792	0.090693124	0.023560604	6.29106E-06	30.8789959	3.04556E-05	0.000548078	0.000302236
2047 Jun	192.3313751	0.368365616	0.514474809	0.0096247	52.72891617	0.044361543	43.44033813	0.00102281	0.000929751	4.93247E-06	0.007844877	0.0027175	0.064562947	0.031962067	5.64769E-06	31.74949074	2.8709E-05	0.000497285	0.000458604
2047 Jul	236.9084625	0.39413923	0.57915628	0.011089203	62.51186752	0.056389276	63.7924614	0.001135231	0.001005717	5.53636E-06	0.008774526	0.002576356	0.08447928	0.027532429	5.91574E-06	34.38724136	3.30704E-05	0.000428334	0.000441726
2047 Aug	334.4856567	0.522637367	0.739394605	0.014369375	70.65686798	0.100075133	122.1365662	0.001478059	0.001013968	6.21221E-06	0.011997922	0.006041541	0.205311164	0.040592246	9.05076E-06	47.59593964	5.45734E-05	0.001184807	0.00054459
2047 Sep	293.653656	0.554783225	0.79902488	0.014736075	75.94853973	0.076771855	85.30228424	0.001182436	0.001009547	5.74429E-06	0.009833661	0.003774702	0.129733339	0.029270038	7.02051E-06	37.05913162	3.74742E-05	0.000628515	0.000399386
2047 Oct	256.6907654	0.474597633	0.648438096	0.012239222	66.31079102	0.069475703	73.56847382	0.001168067	0.000985161	5.53464E-06	0.009335113	0.003003974	0.103207462	0.024322247	6.23813E-06	33.32426453	3.21598E-05	0.00045299	0.000340572
2047 Nov	240.5763245	0.415690362	0.547925174	0.01065275	59.58108521	0.069047838	71.98457336	0.001212999	0.000990171	5.57587E-06	0.009367044	0.002920521	0.099851854	0.02378541	6.19746E-06	33.04332352	3.17203E-05	0.000448714	0.000337325
2047 Dec	243.5655518	0.419055343	0.547978997	0.010754625	59.5082016	0.070118159	74.10773468	0.00126159	0.000989393	5.59798E-06	0.009438645	0.003068187	0.102501921	0.024058748	6.28241E-06	33.64914703	3.21901E-05	0.000468973	0.000340103
2048 Jan	245.3822021	0.42130056	0.547599912	0.010825046	59.45770645	0.070567191	75.34264374	0.001301689	0.00098893	5.61145E-06	0.00946138	0.003162288	0.103449613	0.024178524	6.32307E-06	34.06494904	3.23404E-05	0.000478162	0.000341829
2048 Feb	247.3163605	0.424024701	0.547653198	0.010910366	59.48013306	0.070870034	76.50231934	0.001349008	0.000989514	5.62946E-06	0.009472927	0.003254326	0.103822343	0.024253447	6.35616E-06	34.5124855	3.23867E-05	0.000483921	0.000343532
2048 Mar	249.0128326	0.426390111	0.547303438	0.010987317	59.4459343	0.071113914	77.59949493	0.001394838	0.000989001	5.64145E-06	0.009475403	0.003342686	0.104117744	0.024282355	6.38267E-06	34.91157913	3.24021E-05	0.000489044	0.000344514
2048 Apr	253.1970215	0.432492882	0.551445723	0.011150197	60.02905273	0.072005421	79.32667542	0.001452893	0.001000301	5.7175E-06	0.009578135	0.003465371	0.105325788	0.024805784	6.47989E-06	35.80283356	3.27684E-05	0.000501098	0.000353134
2048 May	256.5741272	0.437485337	0.554344058	0.011290673	60.39934921	0.072708815	80.89855194	0.001507371	0.001007189	5.77052E-06	0.009647357	0.003577393	0.106303483	0.025104096	6.5529E-06	36.49674988	3.30197E-05	0.000510586	0.000358166
2048 Jun	181.4213867	0.391204149	0.564678371	0.01053732	48.79807281	0.04587974	44.01938629	0.001061317	0.000929535	4.94757E-06	0.008382209	0.002559586	0.070997596	0.018093722	5.81684E-06	21.22394371	2.95157E-05	0.000397528	0.000192603
2048 Jul	148.6108704	0.228647307	0.33292827	0.00667645	36.70386887	0.040711876	39.77623749	0.000999204	0.00093557	4.94228E-06	0.007869489	0.00158503	0.055442404	0.014361947	5.1518E-06	19.89831543	2.7173E-05	0.000249837	0.00019799
2048 Aug	164.3775177	0.244988739	0.357441276	0.00707382	38.13946915	0.047832359	48.47959137	0.001033312	0.000962065	5.17704E-06	0.008405491	0.002086598	0.074877262	0.016720556	5.74596E-06	21.99238586	3.01695E-05	0.000365084	0.000215383
2048 Sep	209.8881683	0.358548313	0.501678824	0.009640792	48.7585144	0.0577478	63.42264175	0.001165592	0.000954813	5.28339E-06	0.008692718	0.002898281	0.095403031	0.018612793	6.20861E-06	25.89741325	3.0859E-05	0.000445054	0.000220292
2048 Oct	198.5070648	0.324172854	0.421026945	0.008255637	45.98265839	0.056959108	60.26005173	0.001132253	0.000942047	5.21828E-06	0.008432266	0.00237178	0.082495742	0.016644036	5.67759E-06	25.62649727	2.74616E-05	0.000328402	0.000215778
2048 Nov	186.3624115	0.296580702	0.360188961	0.007370366	41.59214401	0.057503507	58.18984985	0.00120966	0.000952727	5.27561E-06	0.008569441	0.002440114	0.078918636	0.017023306	5.73575E-06	25.77359009	2.68835E-05	0.000341421	0.000214808
2048 Dec	187.7455902	0.298287779	0.359864235	0.007420382	41.55940247	0.057897322	59.12397003	0.001240781	0.000953482	5.29129E-06	0.008599022	0.002512301	0.07967598	0.017121473	5.7728E-06	26.09205437	2.70174E-05	0.000348686	0.000215915
2049 Jan	188.8725281	0.299690634	0.359318286	0.007464673	41.52198792	0.058066223	59.86020279	0.001273348	0.000953328	5.30042E-06	0.008601935	0.002575034	0.079832785	0.017168337	5.79211E-06	26.38622284	2.70234E-05	0.000352513	0.000216966
2049 Feb	190.4805756	0.301595837	0.359009176	0.007525839	41.50527191	0.058287855	60.87155914	0.001315764	0.000952922	5.31179E-06	0.008603966	0.002657637	0.080097243	0.017226502	5.81692E-06	26.77758026	2.70399E-05	0.000357539	0.000218433
2049 Mar	192.6120758	0.304369599	0.359778225	0.007609565	41.60036087	0.058679178	62.06387711	0.00136181	0.00095502	5.33734E-06	0.00862985	0.002747257	0.080603093	0.017308196	5.85747E-06	27.22772408	2.71307E-05	0.000363376	0.000220085
2049 Apr	197.1896515	0.311001718	0.365008682	0.007790964	42.20436478	0.059808269	64.07715607	0.001426694	0.00096876	5.42878E-06	0.008761996	0.002874542	0.082125425	0.017590798	5.97107E-06	28.02266884	2.75558E-05	0.000373822	0.00022426
2049 May	204.5109711	0.319253534	0.370431483	0.007987927	43.43374634	0.061572086	66.31863403	0.001518867	0.001013707	5.67617E-06	0.009109854	0.003061311	0.084184699	0.019276857	6.24724E-06	29.89226723	2.87172E-05	0.000400908	0.000249999
2049 Jun	132.4686737	0.237675399	0.334058762	0.006523314	31.90698051	0.035896648	31.58574867	0.001011256	0.000931003	4.86351E-06	0.007832227	0.001945103	0.051571343	0.015532802	5.41264E-06	17.61170006	2.64361E-05	0.000316495	0.000165146
2049 Jul	148.4868774	0.213257834	0.298989952	0.005986791	33.9034996	0.040239275	42.14749908	0.001000017	0.000929335	4.95635E-06	0.007689339	0.001595523	0.058163702	0.013545128	5.15109E-06	19.7652359	2.65951E-05	0.000237793	0.000189556
2049 Aug	175.6232605	0.237353265	0.332172602	0.006648995	35.65865326	0.050758671	57.43213654	0.001114285	0.000988948	5.43205E-06	0.008964325	0.002579434	0.092466787	0.018219359	6.30619E-06	23.85693169	3.35694E-05	0.000462727	0.00022764
2049 Sep	212.7861633	0.3267937	0.437864274	0.008495751	44.02839661	0.058568146	68.64817047	0.001186809	0.000980012	5.4739E-06	0.009379939	0.003179113	0.107702993	0.020151997	6.61286E-06	27.20427322	3.41106E-05	0.000517732	0.000233544
2049 Oct	197.8326874	0.296360821	0.35578382	0.007331614	40.46240997	0.056422703	64.13678741	0.001296946	0.000962668	5.37903E-06	0.0089255	0.002762687	0.087162346	0.017527407	5.98461E-06	27.11599159	2.94093E-05	0.000379114	0.000222849
2049 Nov	216.3287048	0.304050982	0.329003125	0.007592414	38.18924332	0.063000888	80.08940887	0.001741474	0.000951638	5.53644E-06	0.009387279	0.003947936	0.104274511	0.019478237	6.58307E-06	32.08067703	3.22361E-05	0.000529935	0.00024485
2049 Dec	219.8563232	0.30728972	0.329426318	0.007690374	38.17169952	0.063973397	82.48487854	0.001799099	0.000950856	5.56188E-06	0.009461565	0.004114615	0.107060894	0.019777838	6.67463E-06	32.79087067	3.27226E-05	0.000551524	0.000248211
2050 Jan	221.6829529	0.309295952	0.329036266	0.007753978	38.14425659	0.06427341	83.66066742	0.001847408	0.000950579	5.57604E-06	0.00946921	0.004210164	0.107450977	0.019840069	6.70608E-06	33.23044586	3.27577E-05	0.00055774	0.000249598
2050 Feb	224.6009979	0.312355489	0.328658164	0.007853503	38.11445236	0.06469021	85.51781464	0.001925052	0.000949584	5.59569E-06	0.009471521	0.004359756	0.107928284	0.019895976	6.74977E-06	33.91434479	3.27767E-05	0.000566332	0.000251443
2050 Mar	226.6580811	0.314555973	0.328577369	0.007924184	38.11104965	0.065001577	86.80464935	0.001977917	0.000949321	5.61131E-06	0.009477517	0.004461863	0.108304709	0.019936325	6.78208E-06	34.38389206	3.28048E-05	0.000572309	0.000252685
2050 Apr	230.9756622	0.319981396	0.332160741	0.008074615	38.52738571	0.065997273	88.90413666	0.002046407	0.000959522	5.68687E-06	0.009587536	0.004601172	0.109841965	0.020183669	6.88539E-06	35.17263412	3.31922E-05	0.000583854	0.000256424
2050 May	232.800827	0.320647508	0.32992962	0.008089416	38.64127731	0.06618616	89.52193451	0.002094144	0.000971772	5.75632E-06	0.009658025	0.004692605	0.10971982	0.020932103	6.96466E-06	35.98394394	3.34345E-05	0.000595008	0.000268819
2050 Jun	140.345459	0.229257569	0.309147775	0.00615792	31.04020309	0.035388935	34.86094284	0.001085352	0.00093881	4.93889E-06	0.007947308	0.002235314	0.054862518	0.01841135	5.56274E-06	20.40684128	2.73227E-05	0.000360314	0.000214085
2050 Jul	149.5636139	0.200956866	0.271605074	0.005457303	32.15604401	0.038996808	42.75704193	0.001002623	0.00093792	4.99589E-06	0.00770197	0.001660109	0.05883792	0.015055872	5.17913E-06	20.97947502	2.66692E-05	0.000247763	0.000217003
2050 Aug	195.3276825	0.24778989	0.344718367	0.006792234	38.90278244	0.048602425	64.00823212	0.001080623	0.00095395	5.20355E-06	0.008568854	0.002355129	0.092594221	0.017517619	5.8846E-06	25.79279137	3.274E-05	0.000373256	0.000255191
2050 Sep	278.1472168	0.374095559	0.513141215	0.009848118	54.00345993	0.063749462	97.23069	0.001223674	0.00092577	5.19928E-06	0.00948482	0.003420247	0.137143508	0.019965908	6.5228E-06	33.54258728	3.85386E-05	0.000496081	0.00029129
2050 Oct	330.6221619	0.438004494	0.546026409	0.011575515	55.72504044	0.075553447	128.6752472	0.002089815	0.000923106	5.59236E-06	0.010425626	0.005751508	0.168621123	0.023545958	7.70996E-06	43.36684036	4.37233E-05	0.000753782	0.000326834
2050 Nov	359.4900208	0.463149697	0.549639881	0.012363109	55.72622681	0.081971958	147.7221375	0.002620877	0.000917647	5.80463E-06	0.010883193	0.007100644	0.18670471	0.025313506	8.36645E-06	49.2144165	4.67527E-05	0.00090107	0.000349766
2050 Dec	363.3319702	0.466685116	0.549230754	0.012474746	55.66166306	0.082785524	150.3058014	0.002707441	0.000917074	5.83563E-06	0.010931069	0.007295971	0.188544795	0.025490269	8.44974E-06	50.05915451	4.70334E-05	0.000918785	0.000352286
2051 Jan	365.1946716	0.468185365	0.548774183	0.012522762	55.61394501	0.08315336	151.5745544	0.002751181	0.000916458	5.84945E-06	0.010950206	0.007394251	0.189396024	0.025590917	8.48911E-06	50.4905014	4.71577E-05	0.00092764	0.000353839
2051 Feb	366.8266907	0.469602913	0.548434436	0.012568682	55.59086609	0.083402745	152.6236725	0.002794984	0.000916126	5.86197E-06	0.010954452	0.007479412	0.189697728	0.02563341	8.51578E-06	50.88074875	4.71787E-05	0.000932848	0.000354978
2051 Mar	369.0408325	0.471827269	0.549052954	0.012636809	55.65888977	0.083783217	153.9122162	0.002843699	0.000917237	5.88366E-06	0.010974958	0.007575703	0.190259069	0.025695898	8.55484E-06	51.34254074	4.72643E-05	0.000939075	0.000356388
2051 Apr	375.0023499	0.47882238	0.555147886	0.012833426	56.27794647	0.085010558	156.7866974	0.002922751	0.000927374	5.96411E-06	0.011104616	0.007751263	0.192734838	0.026006775	8.67998E-06	52.32770157	4.78207E-05	0.000954819	0.000361243
2051 May	360.348114	0.449745983	0.516280353	0.011996181	53.52323532	0.082088977	150.6452026	0.002806976	0.000925823	5.91633E-06	0.011016882	0.007604204	0.189256534	0.028301317	8.63998E-06	52.05993652	4.77387E-05	0.000984638	0.000393513
2051 Jun	104.9640884	0.088478372	0.083543032	0.002504654	16.23865128	0.030862812	32.44487762	0.001200573	0.000919052	4.87148E-06	0.007751808	0.002497642	0.053067051	0.02370869	5.63518E-06	23.58130836	2.79408E-05	0.00049145	0.000310451
2051 Jul	89.92481995	0.068300202	0.059662744	0.002190247	12.74960041	0.029038839	27.85060883	0.00126522	0.00093603	4.93291E-06	0.007720619	0.002326081	0.044568099	0.019942166	5.58037E-06	20.4715786	2.68284E-05	0.000436368	0.000244842
2051 Aug	105.0210495	0.075403817	0.067126945	0.002372507	13.10475636	0.034415722	38.39890671	0.001312112	0.000931729	5.02838E-06	0.008218635	0.002909518	0.066413708	0.022205086	6.10276E-06	22.80075455	3.02586E-05	0.000569568	0.000263421
2051 Sep	110.6359634	0.080552839	0.068287723	0.002414062	13.10956287	0.037085697	42.90921021	0.001324435	0.000914429	4.99361E-06	0.008382298	0.003155494	0.075509086	0.022910073	6.2521E-06	23.65609932	3.12489E-05	0.000623031	0.000265646
2051 Oct	106.7280731	0.084084176	0.062466897	0.002304941	12.79139996	0.037822086	41.38831329	0.001304249	0.000892317	4.86941E-06	0.008255711	0.003071575	0.072240055	0.022181304	6.07603E-06	23.07353783	2.9694E-05	0.000598	0.000250634
2051 Nov	107.1917648	0.085129552	0.062201891	0.002313289	12.80556202	0.038132213	41.7065773	0.001314668	0.000892674	4.87528E-06	0.008277738	0.003095813	0.072501794	0.022210687	6.08887E-06	23.18700027	2.96887E-05	0.000600065	0.0002503
2051 Dec	107.3914566	0.085274622	0.062276084	0.00231724	12.81102753	0.038184091	41.83351517	0.001316974	0.000892758	4.87718E-06	0.008283513	0.003103885	0.072683588	0.022231432	6.09457E-06	23.22327805	2.97232E-05	0.00060132	0.000250521
2052 Jan	107.5244446	0.085396394	0.062281098	0.002320931	12.8121376	0.038205773	41.91555023	0.001320226	0.000892738	4.87815E-06	0.008284029	0.00311026	0.072711378	0.022234328	6.09662E-06	23.25291443	2.97253E-05	0.000601703	0.000250601
2052 Feb	107.7298889	0.085567936	0.062293425	0.002326283	12.81461716	0.038238999	42.03995895	0.001325228	0.000892783	4.87999E-06	0.008285258	0.003119968	0.072753541	0.022239666	6.10008E-06	23.29867554	2.97302E-05	0.000602295	0.000250737
2052 Mar	107.9781036	0.085772924	0.062334709	0.00233257	12.82249355	0.038289268	42.18053055	0.001330692	0.000893239	4.88404E-06	0.008290337	0.003130823	0.07282941	0.022254163	6.10628E-06	23.35312843	2.9749E-05	0.000603145	0.000250966
2052 Apr	108.2261429	0.085974678	0.062416069	0.002338493	12.8388195	0.03835436	42.30393982	0.00133521	0.000894321	4.8909E-06	0.008300906	0.003140237	0.072941281	0.022282988	6.11556E-06	23.40720749	2.97872E-05	0.000604206	0.000251331
2052 May	108.4464569	0.086053431	0.061719242	0.002317986	13.1219368	0.03809081	41.70653152	0.001335388	0.000901237	4.91793E-06	0.008300832	0.003128825	0.071739659	0.022916442	6.11949E-06	23.82117462	2.97289E-05	0.000604071	0.000263163
2052 Jun	101.7120438	0.078694053	0.053753708	0.002111595	13.15812397	0.035103962	36.16651917	0.001295669	0.00091334	4.91822E-06	0.008074672	0.002877556	0.061793122	0.023560181	5.93352E-06	23.65812874	2.84308E-05	0.000561872	0.000282935
2052 Jul	105.4867096	0.079632498	0.05388049	0.002185392	13.05076504	0.036427017	38.87665176	0.001366519	0.000924016	5.00515E-06	0.008194203	0.003066027	0.065298028	0.023782138	6.09801E-06	24.31348991	2.89776E-05	0.000584994	0.00028278
2052 Aug	113.2977829	0.083260782	0.057111017	0.002291648	13.2501545	0.038690563	44.05674362	0.001418032	0.000928043	5.08345E-06	0.008455524	0.003369117	0.074876301	0.02483576	6.36565E-06	25.60315704	3.06346E-05	0.000645632	0.000292335
2052 Sep	117.6163406	0.085994966	0.058411121	0.002341968	13.29651546	0.040095963	47.16909409	0.001445182	0.000923174	5.0947E-06	0.008578473	0.003547079	0.08051382	0.02530322	6.49042E-06	26.28458214	3.14154E-05	0.000680142	0.000295105

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2052 Oct	120.4095993	0.088324182	0.058992688	0.002386295	13.33354759	0.040901892	49.08012009	0.001478346	0.00092137	5.10829E-06	0.008655227	0.00366698	0.083199002	0.025533665	6.56141E-06	26.78045654	3.18265E-05	0.000697886	0.000296732
2052 Nov	121.1299362	0.088835001	0.059187684	0.002401145	13.35624886	0.041067079	49.5106163	0.001489699	0.000922372	5.11845E-06	0.008675383	0.003696725	0.083676919	0.02559959	6.58212E-06	26.92352104	3.19278E-05	0.000701598	0.000297529
2052 Dec	121.3308945	0.088959858	0.059254076	0.002404656	13.36074066	0.041113257	49.63963318	0.001492034	0.000922418	5.12019E-06	0.00868085	0.003704909	0.083860092	0.025619764	6.5877E-06	26.95983315	3.19622E-05	0.00070286	0.000297749
2053 Jan	121.4643478	0.089055978	0.059273582	0.00240755	13.36243057	0.041137524	49.72333908	0.001494654	0.000922414	5.12122E-06	0.008682505	0.003710941	0.08392334	0.0256264	6.59037E-06	26.98731422	3.19723E-05	0.000703415	0.000297852
2053 Feb	121.5726929	0.089132741	0.059288573	0.002409863	13.36543465	0.041157961	49.78615952	0.001496952	0.000922546	5.12267E-06	0.008684338	0.003715723	0.08396069	0.025633177	6.59286E-06	27.01111603	3.19801E-05	0.00070381	0.000297962
2053 Mar	121.7366714	0.089252546	0.059329666	0.002413383	13.37453175	0.041197743	49.87121964	0.001500058	0.000923128	5.1266E-06	0.008690191	0.003722245	0.084030837	0.025650863	6.59841E-06	27.04743958	3.20018E-05	0.000704499	0.000298198
2053 Apr	122.0749817	0.089500017	0.05945415	0.002420384	13.40223503	0.041296002	50.02885056	0.001505367	0.000925003	5.13775E-06	0.00870825	0.003734179	0.08421997	0.025704231	6.61327E-06	27.12232971	3.20685E-05	0.000706185	0.000298848
2053 May	123.3560791	0.089530475	0.058838505	0.002373421	13.91216469	0.040812016	49.70365524	0.001486393	0.000929194	5.15262E-06	0.008714166	0.003740212	0.08425159	0.027064456	6.62813E-06	27.9531517	3.22917E-05	0.000718263	0.000322887
2053 Jun	109.3463974	0.07653705	0.047743697	0.002030784	13.46588135	0.035470501	40.12322998	0.001368406	0.000922291	5.01291E-06	0.008207647	0.003223484	0.068100154	0.026600335	6.17938E-06	26.34142303	2.9756E-05	0.00063199	0.000330587
2053 Jul	113.8914566	0.077415735	0.047869958	0.002115398	13.24788284	0.03648198	43.38348389	0.001461609	0.000935596	5.12042E-06	0.008420534	0.003445462	0.072079815	0.026622579	6.3746E-06	27.03710365	3.08177E-05	0.000659562	0.000327657
2053 Aug	127.5785751	0.082978182	0.053799018	0.002268038	13.66819191	0.039805695	52.26379013	0.001522212	0.000944306	5.26132E-06	0.008960404	0.003946254	0.08983615	0.028728038	6.85931E-06	29.25975418	3.42887E-05	0.000771984	0.000348556
2053 Sep	134.5699158	0.086497441	0.056283396	0.002366594	13.90510941	0.04145797	56.59109879	0.001585981	0.000952674	5.35215E-06	0.00921304	0.004213229	0.097020857	0.029658835	7.0938E-06	30.51695824	3.57546E-05	0.00082062	0.00035849
2053 Oct	138.2864685	0.088672101	0.057350226	0.002420038	13.97603798	0.04231615	59.03014374	0.001625686	0.000952797	5.38111E-06	0.009320969	0.004364552	0.100667924	0.030033402	7.19849E-06	31.17101288	3.64128E-05	0.000844984	0.000362147
2053 Nov	138.333313	0.089247689	0.057132315	0.002419648	13.97029781	0.042479523	59.11315155	0.001629177	0.000952266	5.37961E-06	0.009328294	0.004370288	0.100673348	0.029987665	7.19783E-06	31.17592239	3.63564E-05	0.000844579	0.000360875
2053 Dec	138.448822	0.089315996	0.057162944	0.002421422	13.97235394	0.042505074	59.18835831	0.001630583	0.000952272	5.38053E-06	0.009331346	0.004375073	0.100777052	0.029998306	7.20094E-06	31.19678307	3.6375E-05	0.00084529	0.000360984
2054 Jan	138.5783234	0.08940196	0.057171866	0.002423994	13.97339821	0.042526558	59.26945496	0.001633492	0.000952245	5.38143E-06	0.009332233	0.004381152	0.100819007	0.030002074	7.20313E-06	31.22445869	3.63801E-05	0.00084573	0.000361062
2054 Feb	138.678009	0.089465477	0.05717846	0.00242591	13.97526455	0.04254296	59.32860947	0.001635814	0.000952291	5.38242E-06	0.009333076	0.004385756	0.100842685	0.030006243	7.20495E-06	31.24687195	3.63837E-05	0.00084604	0.000361149
2054 Mar	138.7665405	0.089521989	0.057181958	0.002427667	13.97613144	0.042557016	59.38263321	0.001637995	0.000952297	5.38316E-06	0.009333489	0.004389972	0.100859918	0.030008113	7.20637E-06	31.2665596	3.63853E-05	0.000846288	0.000361203
2054 Apr	139.0986938	0.089735322	0.057284821	0.002433707	14.00104046	0.042645521	59.54193878	0.0016431	0.000953953	5.39325E-06	0.009350115	0.004401963	0.101053365	0.030061662	7.22035E-06	31.34090042	3.64503E-05	0.000848014	0.000361877
2054 May	139.2896881	0.0900025	0.057095475	0.002427752	14.19184589	0.042560145	59.17971039	0.001645244	0.000959848	5.41797E-06	0.009362908	0.004394587	0.100296535	0.030422062	7.22967E-06	31.5852356	3.64355E-05	0.000847451	0.0003685
2054 Jun	120.184639	0.07680966	0.046934243	0.002077583	13.55942822	0.036960825	46.82169724	0.001475886	0.000946123	5.21102E-06	0.008700768	0.003672626	0.079879403	0.028666997	6.62037E-06	28.63468742	3.27547E-05	0.000721844	0.000356326
2054 Jul	115.9245987	0.072527915	0.043971665	0.002030268	12.91026497	0.036322031	45.09275436	0.001483	0.000945335	5.19163E-06	0.008564709	0.003574081	0.076025665	0.027344406	6.5315E-06	27.58734322	3.18244E-05	0.000690798	0.000336002
2054 Aug	121.0570526	0.074298456	0.045446709	0.00207938	12.9877634	0.037834618	48.66282272	0.001515147	0.000946963	5.2398E-06	0.008721945	0.003778435	0.082783706	0.027962293	6.71218E-06	28.38999176	3.27682E-05	0.000731701	0.00033982
2054 Sep	126.0498734	0.076563314	0.046738029	0.002128885	13.04475117	0.039153911	52.15838623	0.00155226	0.000944519	5.2674E-06	0.008860327	0.00398066	0.088912115	0.028471675	6.86235E-06	29.18305969	3.36337E-05	0.000769413	0.000342977
2054 Oct	127.430603	0.07871981	0.046444323	0.002142689	13.01639462	0.039763231	53.29000092	0.001577439	0.000939541	5.25651E-06	0.008889955	0.004051487	0.090043366	0.028392572	6.87857E-06	29.39959908	3.36261E-05	0.000775487	0.000339964
2054 Nov	127.6336746	0.079545446	0.046156187	0.002146274	13.00538731	0.039958373	53.48202896	0.001588495	0.000938362	5.25341E-06	0.008891202	0.004067143	0.089893021	0.028306281	6.87473E-06	29.44212723	3.35162E-05	0.000774371	0.00033822
2054 Dec	127.9113159	0.079681769	0.046225067	0.002150032	13.01035976	0.040013157	53.66105652	0.001591829	0.00093842	5.2558E-06	0.008898628	0.004078548	0.090142325	0.028333399	6.88238E-06	29.49264717	3.35627E-05	0.000776095	0.000338516
2055 Jan	128.0042267	0.079733968	0.046234421	0.002151493	13.01151371	0.040028729	53.7193718	0.001593666	0.000938396	5.25641E-06	0.008899592	0.004082765	0.090184376	0.028337989	6.8841E-06	29.51203728	3.35688E-05	0.000776471	0.00033859
2055 Feb	128.0902863	0.079782486	0.046236455	0.002152949	13.01255894	0.040041499	53.77145386	0.001595795	0.000938381	5.25702E-06	0.008899749	0.004086866	0.090198308	0.028340129	6.88533E-06	29.53160858	3.35695E-05	0.000776703	0.000338654
2055 Mar	128.1966858	0.079843089	0.046246137	0.002154773	13.01532173	0.040061131	53.83281326	0.001598191	0.00093852	5.25849E-06	0.008901414	0.004091641	0.090228155	0.02834611	6.88772E-06	29.55545998	3.35759E-05	0.000777061	0.000338757
2055 Apr	128.4692535	0.080006614	0.04631485	0.002159406	13.03444576	0.040132452	53.9650383	0.001602706	0.000939853	5.26669E-06	0.008914449	0.00410179	0.090374261	0.028387794	6.89894E-06	29.61735725	3.36252E-05	0.000778417	0.000339285
2055 May	129.3953094	0.080568217	0.046612371	0.002174858	13.11597443	0.040402114	54.38159943	0.001615432	0.00094566	5.30028E-06	0.008970874	0.004133248	0.090985082	0.028567852	6.94409E-06	29.82787514	3.38409E-05	0.000783722	0.000341464
2055 Jun	106.5930786	0.062735289	0.036808066	0.001870244	11.12976742	0.035064865	42.26626205	0.001451319	0.000938376	5.13271E-06	0.008491341	0.003355836	0.07241179	0.024092792	6.40322E-06	24.78136635	3.09306E-05	0.000645095	0.000279388
2055 Jul	100.1340714	0.056387186	0.032562375	0.001801156	10.29643631	0.033566799	39.0351181	0.001470285	0.000947054	5.14543E-06	0.008374652	0.003182041	0.065259859	0.022254948	6.28241E-06	23.33118629	2.99272E-05	0.000595707	0.000253468
2055 Aug	108.5909653	0.059380453	0.034968197	0.001889577	10.5246954	0.035407249	44.40930176	0.001538317	0.000957157	5.25629E-06	0.008685202	0.00350658	0.074725583	0.023428887	6.58066E-06	24.81078339	3.17552E-05	0.000657774	0.000265208
2055 Sep	113.5022659	0.061494697	0.036189191	0.001926791	10.61021614	0.036565095	47.81272125	0.0015664	0.000953055	5.27398E-06	0.008815859	0.003699498	0.080939375	0.024019089	6.72161E-06	25.60577774	3.26243E-05	0.000695961	0.000269803
2055 Oct	116.2337036	0.063147761	0.036567416	0.001962028	10.66235447	0.037147772	49.55259705	0.00160905	0.000953549	5.2974E-06	0.008878801	0.003816788	0.082850747	0.024220474	6.78807E-06	26.13591003	3.29402E-05	0.000710033	0.000271901
2055 Nov	117.0931396	0.063668445	0.036701027	0.001972829	10.68203259	0.037337899	50.09532166	0.001621604	0.000953948	5.30586E-06	0.008901669	0.003852949	0.08349546	0.024293238	6.81065E-06	26.30155945	3.30529E-05	0.000714695	0.00027264
2056 Dec	117.314537	0.063762985	0.03675795	0.001974973	10.68567848	0.037379637	50.24290085	0.001623409	0.00095388	5.30721E-06	0.008908291	0.003861722	0.08374051	0.024318937	6.81697E-06	26.33925247	3.30969E-05	0.000716284	0.000272897
2056 Jan	117.4151077	0.063819245	0.0367634	0.001976506	10.68758106	0.037396893	50.30316544	0.001625694	0.000953911	5.30813E-06	0.008909196	0.003866353	0.08376766	0.024323253	6.81878E-06	26.36166954	3.31006E-05	0.000716608	0.00027298
2056 Feb	117.5080948	0.063866317	0.03676714	0.001977865	10.68947029	0.037411433	50.35785294	0.001627915	0.000953937	5.30897E-06	0.00890971	0.003870673	0.083784781	0.024327112	6.82031E-06	26.38308525	3.31027E-05	0.000716875	0.000273068
2056 Mar	117.6223145	0.063923836	0.036777675	0.001979613	10.69277573	0.037433308	50.42271805	0.001630452	0.000954141	5.31081E-06	0.008911947	0.003875734	0.083819181	0.024334433	6.82314E-06	26.40871239	3.31111E-05	0.000717276	0.000273187
2056 Apr	117.9094696	0.064074777	0.036842383	0.001984289	10.71153545	0.037510525	50.56227875	0.001635397	0.000955749	5.32047E-06	0.008927351	0.003886515	0.083977953	0.02437705	6.83605E-06	26.47287941	3.31685E-05	0.000718733	0.000273697
2056 May	117.4824448	0.064656414	0.03643997	0.001955055	11.19841194	0.036984101	49.11772919	0.001620508	0.000961889	5.33271E-06	0.008876238	0.003827943	0.081306577	0.02522162	6.79451E-06	26.93131065	3.28366E-05	0.000711609	0.000290711
2056 Jun	104.9353714	0.059848178	0.031092543	0.001690431	12.16946983	0.032161426	38.09396362	0.001453076	0.000950714	5.14621E-06	0.008229887	0.003227988	0.062539101	0.02634092	6.23509E-06	26.27696037	2.95348E-05	0.000617579	0.000328922
2056 Jul	109.6137466	0.061018914	0.031510852	0.00175643	12.18459225	0.033267163	41.00267029	0.001545609	0.000967185	5.2642E-06	0.008418074	0.0034364	0.065649435	0.026612116	6.42201E-06	27.14827919	3.03225E-05	0.000641137	0.00033044
2056 Aug	119.1288147	0.063410372	0.0340891	0.001828408	12.32594776	0.035161234	47.45980835	0.001593908	0.000970006	5.34984E-06	0.008751458	0.003801452	0.078200392	0.027942462	6.75299E-06	28.65934753	3.252E-05	0.000718704	0.000342299
2056 Sep	127.3464737	0.066165462	0.036299229	0.00189155	12.48333931	0.036668111	52.92558289	0.001638062	0.00097157	5.4183E-06	0.009055449	0.004112153	0.088607274	0.029089134	7.02541E-06	30.00020599	3.44775E-05	0.000784433	0.000353238
2056 Oct	127.8694	0.067502588	0.036086708	0.001889207	12.44696426	0.037025005	53.51314163	0.001643482	0.000965642	5.39568E-06	0.009062246	0.004141653	0.089388371	0.028977152	7.02006E-06	30.03018379	3.44123E-05	0.000787175	0.000350045
2056 Nov	128.1857452	0.06785056	0.036104098	0.001890985	12.45022202	0.037141412	53.75021362	0.00164632	0.000965116	5.39575E-06	0.009074207	0.004155084	0.089764267	0.028992198	7.02782E-06	30.07691956	3.44534E-05	0.000789267	0.000349826
2056 Dec	128.391861	0.067932822	0.036141101	0.001893152	12.45301437	0.037177347	53.88402557	0.001648931	0.000965135	5.39743E-06	0.009079433	0.004163671	0.089943588	0.029010994	7.03332E-06	30.11468887	3.4486E-05	0.000790515	0.00035003
2057 Jan	128.4946747	0.067984127	0.036144275	0.001894603	12.45454311	0.037194956	53.94583511	0.001651441	0.00096517	5.3984E-06	0.009080158	0.004168513	0.089963794	0.029013852	7.03508E-06	30.13775253	3.44883E-05	0.000790806	0.000350098
2057 Feb	128.5843658	0.068023555	0.036147151	0.001895757	12.45595646	0.037209012	53.9994545	0.001653617	0.000965183	5.39917E-06	0.009080579	0.004172729	0.089980274	0.029016729	7.03652E-06	30.15812492	3.449E-05	0.000791059	0.00035017
2057 Mar	128.7714386	0.068108208	0.036165331	0.001898297	12.46200752	0.037245583	54.10441208	0.001657634	0.000965572	5.40243E-06	0.009084824	0.004180884	0.090043239	0.029030664	7.0415E-06	30.20009422	3.45063E-05	0.000791755	0.000350383
2057 Apr	129.1398926	0.068287753	0.036233131	0.001903513	12.48492718	0.037334144	54.28707123	0.001664056	0.000967282	5.41313E-06	0.009101556	0.004195027	0.090231284	0.029084004	7.05623E-06	30.28430367	3.45701E-05	0.000793551	0.00035107
2057 May	129.8107147	0.06885317	0.036370486	0.001909295	12.67497826	0.037443873	54.26392365	0.001671595	0.000974855	5.45005E-06	0.009145053	0.004206492	0.090090595	0.029449023	7.08936E-06	30.57382011	3.46961E-05	0.000796357	0.000357076
2057 Jun	108.1299973	0.057196166	0.029370369	0.001647529	11.84514618	0.032343172	40.76288223	0.001483749	0.000961081	5.2294E-06	0.008474665	0.003380983	0.068066202	0.026551826	6.427E-06	26.62615013	3.08372E-05	0.000650293	0.000326558
2057 Jul	107.4932938	0.055399127	0.028505981	0.001652179	11.55365086	0.032395422	40.67671967	0.001516377	0.00097391	5.29528E-06	0.008552724	0.003386274	0.067275479	0.025971115	6.4788E-06	26.32931709	3.09757E-05	0.000643528	0.000316297
2057 Aug	120.8980789	0.05908893	0.03191274	0.001756737	11.9325943	0.034721047	49.10671997	0.001595434	0.000992388	5.47994E-06	0.009123988	0.003878947	0.083578072	0.028112166	6.97949E-06	28.64808846	3.43938E-05	0.000749944	0.000338575
2057 Sep	126.0847321	0.060953047	0.032916129	0.00179918	12.04192066	0.035707127	52.45471191	0.001643122	0.000995751	5.53488E-06	0.009299058	0.004083004	0.089072771	0.028740788	7.14506E-06	29.5635891	3.54104E-05	0.000786233	0.000344655
2057 Oct	128.76297	0.062268358	0.03325389	0.001818899	12.05214024	0.036219344	54.32268143	0.001673222	0.000992487	5.54048E-06	0.009359758	0.004196995	0.091702454	0.028932417	7.20646E-06	30.01783752	3.579E-05	0.00080348	0.000345986
2057 Nov	129.9236908	0.062774979	0.033360235	0.001831916	12.06767941	0.036430795	55.05187607	0.001694698	0.000992936	5.55173E-06	0.009381394	0.004248495	0.092344187	0.028998723	7.23325E-06	30.25130272	3.59001E-05	0.000808263	0.000346815
2057 Dec	130.094986	0.062837213	0.033388451	0.00183351	12.07058048	0.036460184	55.16135025	0.001696822	0.000993017	5.55341E-06	0.009386224	0.004255535	0.092494629	0.029015863	7.23811E-06	30.28304672	3.59287E-05	0.000809315	0.000347002
2058 Jan	130.1855164	0.062869765	0.033397421	0.001834359	12.07137966	0.036473513	55.21981049	0.00169834	0.000992965	5.55387E-06	0.0093874	0.004259539	0.092551082	0.02902152	7.23991E-06	30.30094528	3.59373E-05	0.000809753	0.00034708
2058 Feb	130.2674713	0.062899821	0.033400673	0.001835223	12.07240486	0.036485758	55.26996231	0.001700205	0.000992951	5.55445E-06	0.009387821	0.004263361	0.092573576	0.029024456	7.24123E-06	30.3190136	3.59399E-05	0.000810017	0.000347145
2058 Mar	130.3905029	0.062946327	0.033407081	0.001836642	12.07444	0.036506768	55.34341812	0.001703044	0.000993044	5.55585E-06	0.009389276	0.004269029	0.092607513	0.029029483	7.24372E-06	30.34613419	3.5946E-05	0.00081042	0.000347241
2058 Apr	130.6359558	0.063052848	0.033445921	0.001839829	12.08825588	0.036563165	55.46760178	0.001707464	0.000994126	5.56274E-06	0.009399974	0.00427864	0.092729375	0.029062593	7.25327E-06	30.40185356	3.59871E-05	0.000811592	0.00034767
2058 May	131.444809	0.063887857	0.033633571	0.001813368	12.58128738	0.03611828	54.98516464	0.001678148	0.000995199	5.55937E-06	0.009385804	0.004259652	0.092669293	0.030156612	7.24491E-06	30.99417114	3.60744E-05	0.000819089	0.000367099
2058 Jun	110.5539398	0.055243641	0.027613288	0.001516695	12.57853508	0.030285707	40.62766647	0.001430458	0.00095761	5.20522E-06	0.008466064	0.00339154	0.069447324	0.028832991	6.42645E-06	27.94337082	3.14795E-05	0.000676435	0.000367586
2058 Jul	111.7423477	0.053927865	0.027064396	0.001540623	12.23932457	0.030699842	41.87968445	0.001492181	0.000969642	5.28302E-06	0.008586597	0.003480753	0.070305541	0.028258039	6.52624E-06	27.91620636	3.18855E-05	0.000680001	0.000356401
2058 Aug	122.6091843	0.056197967	0.029469421	0.001606241	12.42250633	0.032415483	49.0958252	0.001543168	0.00097583	5.39331E-06	0.009006176	0.003888213	0.08460962	0.029899955	6.91429E-06	29.68440628	3.45967E-05	0.000769844	0.000372208
2058 Sep	126.6096268	0.058029938	0.030074796	0.001622521	12.4216032	0.033301201	52.07057571	0.001561551	0.000970013	5.39746E-06	0.009134292	0.004048517	0.090237774	0.030278202	7.02937E-06	30.24694443	3.53774E-05	0.000802306	0.000373339
2058 Oct	129.1120758	0.059874222	0.030166261	0.001638122	12.41399288	0.033971164	53.90463257	0.001595923	0.00096569	5.39771E-06	0.009191188	0.004161035	0.092536181	0.030336577	7.07981E-06	30.65104103	3.56087E-05	0.000816102	0.000372126
2058 Nov	130.4264374	0.060514461	0.030230174	0.001651173	12.42749214	0.034239843	54.74496078	0.001622261	0.000965867	5.40907E-06	0.009213322	0.004220971	0.09318196	0.030384127	7.10763E-06	30.91482544	3.56991E-05	0.000821414	0.000372602
2058 Dec	130.5424957	0.0605577097	0.030242866	0.001652186	12.42882061	0.034259766	54.81980896	0.001624023	0.000965886	5.41007E-06	0.009215955	0.00422596	0.093268029	0.030392714	7.11054E-06	30.93686104	3.57141E-05	0.000822039	0.000372695
2059 Jan	130.6548767	0.0605959	0.030247085	0.001653253	12.42947674	0.034277201	54.8908844	0.001626527	0.000965835	5.41072E-06	0.009216574	0.004231246	0.093305513	0.030395618	7.11234E-06	30.96066856	3.57181E-05	0.000822421	0.000372758
2059 Feb	130.7546387	0.060629193	0.030248981	0.001654223	12.43056107	0.034292635	54.95161057	0.001629001	0.000965822	5.41145E-06	0.009216813	0.004236008	0.093322486	0.030397704	7.11381E-06	30.98309517	3.57191E-05	0.00082269	0.000372823
2059 Mar	130.8395844	0.060656704	0.030250253	0.001655056	12.43111897	0.034305852	55.00410461	0.001631135	0.000965802	5.41204E-06	0.009216975	0.004240104	0.09333726	0.030398758	7.11504E-06	31.00192451	3.57198E-05	0.000822916	0.000372867
2059 Apr	131.1222534	0.060771585	0.030291855	0.001658331	12.44796944	0.034368534	55.14522552	0.001636054	0.000967055	5.41997E-06	0.009229443	0.004251021	0.093481146	0.030439803	7.12608E-06	31.06689262	3.57683E-05	0.0008243	0.000373405
2059 May	131.1724854	0.061406523	0.030331301	0.001651097	12.7602005	0.034203071	54.44983292	0.00162972	0.000972727	5.43903E-06	0.009222426	0.00422575	0.092247896	0.030983293	7.11938E-06	31.38307762	3.56696E-05	0.000822265	0.00038374
2059 Jun	121.8127365	0.059477754	0.028118609	0.001537009	13.36054993	0.031688772	46.55119705	0.001530909	0.000972569	5.34561E-06	0.008802857	0.003794007	0.078341141	0.031211825	6.74839E-06	30.60625076	3.32548E-05	0.000747888	0.000400537
2059 Jul	127.1110916	0.061258446	0.028728962	0.001600838	13.62510395	0.032918204	49.23461914	0.001634144	0.000999752	5.51379E-06	0.009056219	0.004005706	0.080843121	0.031872649	6.97168E-06	31.79838943	3.41912E-05	0.00077254	0.000408697
2059 Aug	136.6495819	0.063662395	0.030471947	0.001668367	13.91410923	0.034461271	55.06356812	0.001712252	0.001016286	5.66151E-06	0.009446366	0.004363578	0.091150872	0.033343866	7.32218E-06	33.55461502	3.63998E-05	0.000842475	0.000424711

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Sep	142.0742645	0.065285586	0.031344723	0.001694065	13.95931149	0.035373934	58.82307816	0.001741104	0.001015374	5.69877E-06	0.009646139	0.004573656	0.098304071	0.034014933	7.49969E-06	34.39722443	3.76407E-05	0.000886233	0.000429846
2059 Oct	135.8334198	0.068211108	0.029315354	0.001630587	13.66372108	0.035822663	55.81673431	0.001681867	0.000995671	5.56626E-06	0.009476421	0.004357056	0.093418241	0.032513503	7.26864E-06	32.93709946	3.59087E-05	0.000841258	0.000403753
2059 Nov	135.5372162	0.068944626	0.029085362	0.001626963	13.64553165	0.036032781	55.73040009	0.001682711	0.000994397	5.55907E-06	0.009476075	0.004350105	0.093125872	0.032363884	7.25602E-06	32.85074615	3.57528E-05	0.000837963	0.000400672
2059 Dec	135.7838593	0.06901557	0.029102713	0.00162894	13.6460495	0.036069948	55.8918457	0.001687139	0.000994307	5.56061E-06	0.009479595	0.004361236	0.093274839	0.032375451	7.26115E-06	32.89854813	3.57759E-05	0.000839115	0.000400819
2060 Jan	135.9243469	0.069062464	0.029105177	0.001630277	13.64735031	0.036093347	55.97795868	0.001690631	0.000994315	5.56177E-06	0.009480272	0.004367951	0.09330155	0.032377817	7.26339E-06	32.92963791	3.57781E-05	0.000839501	0.000400892
2060 Feb	136.0181885	0.069091327	0.029108061	0.001631087	13.64903355	0.036108412	56.03359604	0.001692879	0.000994348	5.56266E-06	0.009480886	0.004372324	0.093320154	0.032381315	7.265E-06	32.95095825	3.57805E-05	0.000839774	0.000400972
2060 Mar	136.146347	0.069133647	0.02911561	0.001632279	13.65253162	0.036131576	56.10693359	0.001695729	0.000994539	5.56454E-06	0.009483123	0.004378041	0.093357749	0.032389373	7.268E-06	32.9798851	3.57891E-05	0.000840219	0.000401107
2060 Apr	136.5437164	0.069301277	0.029171778	0.001636553	13.6784029	0.036221564	56.30136871	0.001702494	0.00099636	5.57593E-06	0.009501198	0.004393157	0.093559951	0.03245078	7.2837E-06	33.07259369	3.58577E-05	0.000842178	0.000401912
2060 May	134.625885	0.069481447	0.028967293	0.001599861	14.19511032	0.035283457	53.82849503	0.001659838	0.00099724	5.54942E-06	0.009363788	0.00426627	0.089538418	0.0332608	7.17516E-06	33.2954483	3.52156E-05	0.000826331	0.000420192
2060 Jun	118.4705429	0.062683485	0.025639003	0.001444536	14.05921268	0.03136225	42.83907318	0.001504921	0.000979774	5.33689E-06	0.008691058	0.003614449	0.070877694	0.031781051	6.59146E-06	30.78080177	3.17557E-05	0.000710897	0.000413381
2060 Jul	123.7929535	0.063559055	0.026046142	0.001501012	14.15184402	0.032507084	45.89470291	0.001611026	0.00100431	5.49679E-06	0.00895124	0.003840465	0.074082449	0.032199971	6.82106E-06	31.82981491	3.28048E-05	0.000737509	0.000417062
2060 Aug	133.8582001	0.064812571	0.027743286	0.001538602	14.18985271	0.033888698	52.9791069	0.001638188	0.001003283	5.56903E-06	0.009326448	0.004220548	0.08895798	0.033643186	7.17965E-06	33.31738281	3.53711E-05	0.000826997	0.000428743
2060 Sep	135.3224945	0.064875029	0.027491843	0.001517871	13.85131645	0.034644216	55.25051498	0.001615925	0.000981766	5.48685E-06	0.009293973	0.00430396	0.094404101	0.033257749	7.20153E-06	33.09628677	3.537E-05	0.000848651	0.000416006
2060 Oct	136.1134949	0.066248484	0.027273955	0.001515555	13.77129841	0.035096452	56.13049698	0.001625387	0.000975674	5.46687E-06	0.009319881	0.004348021	0.09567862	0.033077072	7.20862E-06	33.11570358	3.53824E-05	0.000853374	0.000411037
2060 Nov	135.8247223	0.066723615	0.02710248	0.001511919	13.74066734	0.035221282	56.06327438	0.001624437	0.000973776	5.45676E-06	0.009314789	0.004341093	0.095488094	0.03293924	7.19507E-06	33.02402496	3.52627E-05	0.000850771	0.000408363
2060 Dec	136.134964	0.066794492	0.027135354	0.001513755	13.7425642	0.035263207	56.26830292	0.001628277	0.000973738	5.45899E-06	0.009322407	0.004354116	0.095767602	0.032966841	7.20325E-06	33.0800705	3.53129E-05	0.000852689	0.000408659
2061 Jan	136.2635803	0.066825345	0.027142553	0.00151457	13.74319077	0.035280988	56.35137939	0.001630636	0.000973675	5.45971E-06	0.009323896	0.004359923	0.095838867	0.032973297	7.20573E-06	33.10578156	3.53235E-05	0.000853266	0.000408754
2061 Feb	136.3774261	0.06685321	0.027144842	0.001515372	13.74424171	0.035297915	56.4214325	0.001633361	0.000973644	5.46046E-06	0.009324226	0.004365327	0.09586402	0.032976031	7.20743E-06	33.13097763	3.53257E-05	0.0008536	0.00040883
2061 Mar	136.5482941	0.066897191	0.02714945	0.001516684	13.74628162	0.035326004	56.5250473	0.001637459	0.000973704	5.4621E-06	0.009325552	0.004373362	0.095903762	0.032980837	7.21048E-06	33.16869736	3.53311E-05	0.000854114	0.000408941
2061 Apr	136.9066315	0.067044243	0.027199501	0.001520251	13.77143002	0.035407312	56.69701767	0.001643248	0.00097543	5.47272E-06	0.009342602	0.00438669	0.096097067	0.033041015	7.22512E-06	33.25301743	3.53959E-05	0.000855953	0.000409724
2061 May	135.0973511	0.067433894	0.027132904	0.001488127	14.34515858	0.034428399	54.14436722	0.001602041	0.000977612	5.45168E-06	0.009209739	0.004259325	0.091839239	0.033955909	7.11763E-06	33.55315018	3.47885E-05	0.000840012	0.000430227
2061 Jun	117.3302917	0.060596786	0.024015106	0.00132789	14.24583721	0.02990385	41.98699188	0.001426419	0.000950914	5.17974E-06	0.008417406	0.003538738	0.070893809	0.032414984	6.43205E-06	30.84801483	3.09244E-05	0.000711751	0.0004261
2061 Jul	123.9541397	0.061260529	0.024671249	0.001378231	14.3018446	0.031085342	46.13514709	0.001516571	0.000971196	5.32947E-06	0.008726506	0.003809779	0.07714688	0.033089768	6.70834E-06	32.01446915	3.2449E-05	0.000754874	0.000431625
2061 Aug	136.8934784	0.063420162	0.026640132	0.001438063	14.54237556	0.03265468	54.50701904	0.00158709	0.000982388	5.47766E-06	0.009243609	0.00429256	0.093359195	0.035115562	7.17209E-06	34.2221756	3.57049E-05	0.000859367	0.000452574
2061 Sep	141.9187927	0.064474232	0.027203562	0.001459393	14.56537914	0.033393033	57.95301819	0.001625253	0.000982386	5.51668E-06	0.009410789	0.004492944	0.099401437	0.035676602	7.33159E-06	35.0361557	3.67536E-05	0.000897279	0.000457099
2061 Oct	140.5589752	0.065634347	0.026480647	0.001435271	14.26449203	0.033648949	58.02734375	0.001607853	0.000963892	5.42593E-06	0.009340608	0.004468065	0.099600345	0.034903523	7.24677E-06	34.46787643	3.62666E-05	0.000889351	0.0004427
2061 Nov	140.2700653	0.066174224	0.02623862	0.001430457	14.18883228	0.033810694	58.08351898	0.001609586	0.000959557	5.40542E-06	0.009324084	0.00446696	0.099459179	0.034661725	7.22488E-06	34.33925629	3.60899E-05	0.000886212	0.000438273
2061 Dec	140.4900818	0.066221543	0.026257427	0.001431613	14.18980694	0.033840522	58.22932816	0.001612459	0.000959528	5.407E-06	0.009329342	0.004476295	0.099651076	0.034679823	7.23059E-06	34.3791275	3.61238E-05	0.000887535	0.000438462
2062 Jan	140.6170502	0.066245705	0.026267326	0.001432206	14.19057083	0.033856064	58.31265259	0.001614207	0.000959477	5.40773E-06	0.009331809	0.004481725	0.099753283	0.03469019	7.23357E-06	34.4029541	3.61412E-05	0.000888263	0.000438587
2062 Feb	140.7410736	0.066273056	0.026271395	0.001432966	14.19219685	0.033874638	58.38835526	0.001616959	0.000959486	5.40875E-06	0.009332796	0.004487453	0.099791959	0.034695309	7.23578E-06	34.43005753	3.61467E-05	0.000888687	0.000438689
2062 Mar	140.9562378	0.066336356	0.02628639	0.001434609	14.20004654	0.033914294	58.50751495	0.001621356	0.000959941	5.41251E-06	0.009337937	0.004496662	0.099871218	0.034714475	7.24161E-06	34.47893906	3.6167E-05	0.000889536	0.000438977
2062 Apr	141.3392944	0.066486232	0.026337482	0.001438082	14.22748947	0.033997037	58.69046783	0.001627341	0.000961744	5.42363E-06	0.009356001	0.004510784	0.100082465	0.03478137	7.2571E-06	34.56965637	3.62371E-05	0.000891537	0.00043986
2062 May	142.2405243	0.066869818	0.026481634	0.001446665	14.30401802	0.034200855	59.0961647	0.001639375	0.000966863	5.45369E-06	0.009407017	0.004541786	0.100664102	0.034970481	7.29841E-06	34.7851944	3.64368E-05	0.00089679	0.000442284
2062 Jun	118.8452988	0.054183759	0.022103576	0.001336094	12.34085083	0.030834282	46.90449142	0.001493685	0.000959197	5.28402E-06	0.008877765	0.003746285	0.081013069	0.029586837	6.73298E-06	29.22712135	3.31222E-05	0.000743609	0.000365535
2062 Jul	107.4149933	0.046593484	0.019503012	0.001291475	11.14043522	0.029448012	41.26814651	0.001467064	0.000962601	5.24338E-06	0.008635027	0.003393459	0.070572585	0.026413858	6.48806E-06	26.38304329	3.14021E-05	0.000662252	0.000319159
2062 Aug	115.8767624	0.047233846	0.020412225	0.001312421	11.12055683	0.030665299	47.39148712	0.001496915	0.00095796	5.28772E-06	0.008887507	0.0037257	0.082915433	0.027515469	6.77251E-06	27.63092041	3.32122E-05	0.000735127	0.000326984
2062 Sep	120.5621262	0.048894443	0.020751616	0.001314217	11.07852459	0.031415936	51.01079559	0.001504542	0.000946751	5.27153E-06	0.009024518	0.003910854	0.090253003	0.028001726	6.89948E-06	28.24909592	3.41689E-05	0.000776444	0.000328588
2062 Oct	115.9069061	0.052639659	0.019371057	0.001264179	10.87699127	0.031838778	48.93826675	0.001454441	0.000918288	5.106E-06	0.008819864	0.00375322	0.086462185	0.026799936	6.66124E-06	27.16442299	3.25471E-05	0.000740728	0.00030847
2062 Nov	116.5466843	0.053241733	0.019335309	0.001268358	10.89872742	0.032077361	49.32997131	0.001470299	0.000918967	5.11437E-06	0.008836224	0.003783099	0.086612381	0.026801407	6.67463E-06	27.30167007	3.25434E-05	0.000742252	0.000308147
2062 Dec	117.0094147	0.053328369	0.019357845	0.001270809	10.9001894	0.032141011	49.62982178	0.001478633	0.000918853	5.1175E-06	0.008842887	0.003803901	0.08688587	0.026825266	6.68438E-06	27.39265633	3.25873E-05	0.000744408	0.000308469
2063 Jan	117.1736221	0.053358622	0.0193657	0.001271601	10.90125847	0.03216286	49.73500443	0.001481592	0.000918803	5.11855E-06	0.008845031	0.003811251	0.086978979	0.026834566	6.6877E-06	27.42562866	3.2602E-05	0.000745161	0.000308604
2063 Feb	117.3236618	0.0533874	0.019369056	0.00127242	10.90281105	0.032185789	49.82702637	0.001485098	0.000918801	5.11973E-06	0.008845913	0.003818301	0.087017775	0.026839001	6.6902E-06	27.45854568	3.26067E-05	0.00074563	0.000308707
2063 Mar	117.4966202	0.053421877	0.019372502	0.001273443	10.9046526	0.032214344	49.93226242	0.001489298	0.000918857	5.12137E-06	0.008847179	0.003826476	0.087056175	0.026843211	6.69325E-06	27.49666977	3.26117E-05	0.000746139	0.000308811
2063 Apr	117.7632294	0.053502567	0.019393589	0.001275564	10.9163332	0.032270443	50.07471466	0.001494508	0.000919766	5.12765E-06	0.008856612	0.003837481	0.087172881	0.026871784	6.70228E-06	27.5567627	3.26468E-05	0.000747298	0.000309188
2063 May	117.6104584	0.054299273	0.019599399	0.001272109	11.321311	0.032000557	49.0038414	0.001489636	0.000925677	5.14367E-06	0.00881588	0.003798664	0.08493869	0.027520284	6.67405E-06	27.95139313	3.23976E-05	0.000741363	0.000322686
2063 Jun	95.67845917	0.046101525	0.017026639	0.001136134	11.29871273	0.026847871	33.53597641	0.001297546	0.000910936	4.89445E-06	0.007917016	0.002902788	0.057873998	0.025636917	5.88883E-06	24.67617226	2.78747E-05	0.000579464	0.000318705
2063 Jul	96.43950653	0.042587906	0.016335903	0.001147546	10.62363148	0.026910799	35.1611824	0.001362338	0.00091609	4.94371E-06	0.008008518	0.003000932	0.059306458	0.024538094	5.97379E-06	24.30517387	2.8377E-05	0.000582503	0.000299346
2063 Aug	108.5684357	0.044244666	0.017684497	0.001193988	10.8133707	0.028387047	43.06838226	0.001436735	0.000926988	5.08576E-06	0.008478601	0.003460536	0.074292086	0.026341574	6.40842E-06	26.37313461	3.12739E-05	0.000678779	0.000317165
2063 Sep	112.5167923	0.045263082	0.017898541	0.001208553	10.86189175	0.029276133	45.7518692	0.001477058	0.000928244	5.12284E-06	0.008582234	0.003623042	0.078571863	0.026704337	6.53161E-06	27.04565239	3.1787E-05	0.000705555	0.000318934
2063 Oct	113.2425003	0.047035329	0.017678129	0.001205757	10.84604454	0.029787784	46.45704269	0.001489702	0.000922369	5.10199E-06	0.008592567	0.003662366	0.079249553	0.026564158	6.52692E-06	27.12116623	3.16593E-05	0.000707604	0.000315084
2063 Nov	113.6838608	0.047347907	0.0176857	0.001207284	10.85476208	0.029907621	46.75572205	0.001494954	0.000922358	5.10539E-06	0.008608586	0.00368073	0.079671681	0.026596272	6.53909E-06	27.19762802	3.17185E-05	0.000710225	0.000315135
2063 Dec	113.8381195	0.047380757	0.017702464	0.001207914	10.8579092	0.02992725	46.85418701	0.001496011	0.000922528	5.10733E-06	0.008614976	0.003686545	0.07985314	0.026619213	6.54459E-06	27.22464943	3.17558E-05	0.000711412	0.000315367
2064 Jan	113.9726181	0.047400728	0.017711967	0.001208349	10.85884476	0.029941397	46.94274902	0.001497595	0.000922473	5.1081E-06	0.008617951	0.003692152	0.079974808	0.026632356	6.54794E-06	27.24944305	3.1777E-05	0.000712253	0.000315521
2064 Feb	114.0849228	0.047420938	0.017716506	0.001208868	10.8607235	0.029957579	47.01089859	0.001499846	0.00092251	5.10914E-06	0.008619392	0.003697177	0.080021948	0.026639221	6.55024E-06	27.27360916	3.17851E-05	0.000712701	0.000315634
2064 Mar	114.2443008	0.047464471	0.017728541	0.001210022	10.86797428	0.0299895	47.09522629	0.001502931	0.00092305	5.11286E-06	0.008624931	0.003703718	0.080090769	0.026657172	6.55559E-06	27.30993462	3.18062E-05	0.000713397	0.000315879
2064 Apr	114.4950333	0.047536645	0.017749308	0.001211965	10.88056755	0.030042425	47.22472	0.001507698	0.000924051	5.11943E-06	0.008634877	0.003713814	0.080203913	0.026687944	6.56475E-06	27.36730766	3.18432E-05	0.000714529	0.000316283
2064 May	114.3744583	0.048960514	0.018194556	0.001201795	11.51901627	0.029511901	45.72424698	0.001481771	0.000928086	5.11949E-06	0.008562767	0.003650918	0.077686667	0.027821057	6.51301E-06	27.97163773	3.15476E-05	0.000710073	0.00033882
2064 Jun	101.7074356	0.047772478	0.017652579	0.001115307	12.5417738	0.02605813	34.63267899	0.001333466	0.00092084	4.95278E-06	0.007902417	0.003046155	0.058079764	0.02845764	5.95699E-06	27.06450462	2.82663E-05	0.000608549	0.000370759
2064 Jul	107.6840439	0.047754396	0.018010711	0.001146457	12.50531673	0.027030881	38.63894653	0.001407276	0.000933653	5.06339E-06	0.008149745	0.003297428	0.064414941	0.028998714	6.19582E-06	28.04113007	2.95856E-05	0.00064947	0.000374149
2064 Aug	117.8290863	0.0481047	0.018900458	0.001169114	12.44942093	0.028098844	45.90441132	0.001444972	0.000931148	5.13104E-06	0.008499891	0.003693552	0.079089433	0.030363658	6.54917E-06	29.54348373	3.20584E-05	0.000737316	0.000385021
2064 Sep	121.2403107	0.049277566	0.01885209	0.001167936	12.31064701	0.028963607	48.86099625	0.00092096	5.11339E-06	0.008585648	0.003842145	0.084878616	0.030444313	6.64474E-06	29.87561607	3.25669E-05	0.00076717	0.000380235
2064 Oct	124.6442795	0.050630569	0.018933702	0.001179	12.31996346	0.029628763	51.19831085	0.001501943	0.00092012	5.13678E-06	0.008685636	0.00398859	0.087988786	0.030650619	6.73438E-06	30.45970917	3.30506E-05	0.000787232	0.000381
2064 Nov	125.775322	0.050812308	0.019014601	0.001183781	12.33767414	0.029773859	51.90814972	0.001516611	0.000921038	5.14971E-06	0.008718151	0.004035064	0.088939682	0.030770792	6.76747E-06	30.67631531	3.32411E-05	0.000794077	0.0003824
2064 Dec	125.8969879	0.050834671	0.019023705	0.001184243	12.33934116	0.029789289	51.98633575	0.001517918	0.000921114	5.151E-06	0.008722061	0.004039962	0.089058273	0.030784737	6.77119E-06	30.69852066	3.32643E-05	0.000794885	0.000382547
2065 Jan	126.0171814	0.050850239	0.019029317	0.001184632	12.3396883	0.029803211	52.0652504	0.001519751	0.000921061	5.15168E-06	0.008724105	0.004045211	0.089146316	0.03079314	6.77387E-06	30.72141647	3.32789E-05	0.00079553	0.000382653
2065 Feb	126.1340942	0.050868265	0.019032968	0.001185121	12.34123325	0.029820533	52.13679123	0.001522202	0.000921098	5.15277E-06	0.008725502	0.004050524	0.089191765	0.030799009	6.77622E-06	30.74645805	3.32865E-05	0.000795974	0.000382753
2065 Mar	126.3709641	0.050922565	0.019046599	0.001186547	12.34992313	0.029864615	52.26715469	0.001527056	0.000921675	5.15728E-06	0.008731725	0.004060628	0.089280874	0.030820586	6.78302E-06	30.80020142	3.33106E-05	0.000796921	0.000383068
2065 Apr	126.7505417	0.051040627	0.019085126	0.00118944	12.37475681	0.029944383	52.45158005	0.001533331	0.000923475	5.16842E-06	0.008749409	0.004074934	0.08948306	0.030882489	6.79841E-06	30.88929367	3.33783E-05	0.000798852	0.000383877
2065 May	127.2100983	0.052167054	0.019461969	0.001187998	12.83036423	0.029693916	51.72150421	0.001522684	0.000929439	5.18781E-06	0.00874029	0.004051812	0.088270135	0.031734604	6.79202E-06	31.4031868	3.33491E-05	0.000799541	0.000399971
2065 Jun	110.3012695	0.047288869	0.01779769	0.001122614	12.50629139	0.026910052	40.57059479	0.001395633	0.000925301	5.04198E-06	0.008193612	0.003391448	0.068907514	0.029512726	6.26046E-06	28.44773674	3.01575E-05	0.000675951	0.000379563
2065 Jul	115.2569733	0.046754338	0.017988419	0.001157791	12.41153622	0.027777972	43.83298874	0.001473266	0.000947882	5.19338E-06	0.00850131	0.003602514	0.074003525	0.029818706	6.51327E-06	29.19666481	3.15977E-05	0.000709598	0.000379389
2065 Aug	126.1513519	0.048007056	0.018949125	0.001192602	12.57929611	0.028982362	50.9146347	0.001538592	0.00095861	5.32529E-06	0.008933368	0.00401369	0.087534815	0.031471487	6.90875E-06	31.06100845	3.42427E-05	0.000796642	0.000395809
2065 Sep	128.1918182	0.049435351	0.018730635	0.001178926	12.38025093	0.029521566	53.16662598	0.001520872	0.00094199	5.26671E-06	0.008990429	0.004104617	0.092788473	0.031406414	6.95095E-06	31.07384109	3.46545E-05	0.000820563	0.000389069
2065 Oct	127.5559845	0.052774712	0.017940728	0.00115171	12.09223747	0.030282425	53.97610092	0.00149379	0.000917335	5.15257E-06	0.008967477	0.004106355	0.094781473	0.030647211	6.87632E-06	30.53215408	3.42619E-05	0.000820108	0.000371987
2065 Nov	128.2454376	0.053659312	0.017828993	0.001152839	12.08013725	0.030622756	54.52894592	0.001509863	0.00091581	5.15186E-06	0.00898507	0.004142138	0.09519247	0.030566297	6.88614E-06	30.63296318	3.4234E-05	0.000822038	0.000369809
2065 Dec	128.5614166	0.053705819	0.017834343	0.001154047	12.08080959	0.030670665	54.73129272	0.001516625	0.000915751	5.15413E-06	0.008988211	0.004156888	0.095322922	0.030575156	6.89202E-06	30.69771576	3.42521E-05	0.000823226	0.00036996
2066 Jan	128.793808	0.053732656	0.017842557	0.001154746	12.08158493	0.030698674	54.88228989	0.001520531	0.000915668	5.15556E-06	0.0089917	0.004167196	0.095473036	0.030589428	6.89698E-06	30.7431221	3.42766E-05	0.000824377	0.00037015
2066 Feb	128.9528961	0.053760089	0.017848117	0.001155425	12.08509827	0.030724382	54.97581482	0.001523952	0.000915816	5.15749E-06	0.008994039	0.004174329	0.095526569	0.030599043	6.90044E-06	30.77841759	3.4287E-05	0.000824956	0.000370313
2066 Mar	129.2381439	0.053833615	0.017867435	0.001157161	12.09824944	0.030780109	55.12722015	0.001529368	0.000916724	5.16386E-06	0.009003626	0.004186007	0.095652178	0.030631864	6.90978E-06	30.84359932	3.43237E-05	0.000826212	0.000370762
2066 Apr	129.5860748	0.05392592	0.017892314	0.001159347	12.11503983	0.030849217	55.31022644	0.001535826	0.000917918	5.17204E-06	0.009016173	0.004200086	0.095813327	0.030674094	6.92167E-06	30.92302132	3.43719E-05	0.000827791	0.000371328
2066 May	130.4958038	0.054347828	0.01802505	0.001166007	12.23476696	0.031010931	55.60974503	0.001550359	0.000923159	5.20157E-06	0.009054282	0.004229515	0.095996864	0.030919302	6.9554E-06	31.19754219	3.45044E-05	0.000831709	0.000375239
2066 Jun	106.6252289	0.044516683	0.015557389	0.001097666	11.13590622	0.027438574	41.09749985	0.00140542	0.000921211	5.03261E-06	0.00835702	0.003355039	0.070608802	0.026708936	6.28227E-06	26.44447136	3.04016E-05	0.000660459	0.000326042
2066 Jul	110.1448517	0.04298944	0.015560961	0.001128323	10.93711853	0.028121747	43.57751465	0.001469388	0.00094545	5.18341E-06	0.00864068	0.003513989	0.074746788	0.026765928	6.51365E-06	26.85446548	3.16911E-05	0.000686061	0.00032211

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Aug	119.7794495	0.044057515	0.016285812	0.00116104	11.10678005	0.029294606	49.72145844	0.001544169	0.000958447	5.31704E-06	0.009016736	0.003883608	0.085784197	0.028174341	6.86457E-06	28.56512642	3.38873E-05	0.000758637	0.000336393
2066 Sep	124.10466	0.045231588	0.016432885	0.00116821	11.12510777	0.029945582	52.73153687	0.001578572	0.000956225	5.34012E-06	0.009149797	0.004058605	0.090873294	0.028615512	6.98999E-06	29.27205849	3.4672E-05	0.000790111	0.000339414
2066 Oct	126.4522247	0.047127105	0.016259471	0.001163912	11.07527447	0.030556403	54.65916443	0.001601628	0.000946132	5.31223E-06	0.009191215	0.004166069	0.093624376	0.028608609	7.0207E-06	29.58825111	3.48444E-05	0.000804623	0.000336549
2066 Nov	127.9103928	0.047792155	0.016217375	0.001165461	11.06461048	0.030860262	55.70737076	0.001626212	0.000943197	5.31038E-06	0.009209774	0.004233951	0.094668262	0.02862313	7.04347E-06	29.84416199	3.49254E-05	0.000811401	0.000336065
2066 Dec	128.0612488	0.047821276	0.016228359	0.001165968	11.06775093	0.030878855	55.80254364	0.001627424	0.000943392	5.31242E-06	0.009215964	0.0042397	0.094836041	0.028644916	7.04882E-06	29.87127686	3.49602E-05	0.000812516	0.000336288
2067 Jan	128.168396	0.047836468	0.016233243	0.001166248	11.06908989	0.030891314	55.87072754	0.001628931	0.000943396	5.31325E-06	0.009218239	0.004244225	0.094917841	0.028654832	7.05146E-06	29.89219856	3.49749E-05	0.000813118	0.000336412
2067 Feb	128.2987061	0.047857445	0.01623762	0.001166757	11.07208824	0.030912463	55.94691467	0.001631749	0.000943527	5.31487E-06	0.009220185	0.004250062	0.094960399	0.028662825	7.05431E-06	29.9212532	3.49833E-05	0.000813588	0.000336548
2067 Mar	128.4686432	0.047893062	0.016246501	0.001167665	11.07832336	0.030944552	56.04026413	0.001635222	0.000943975	5.31827E-06	0.009225	0.004257287	0.095026322	0.028678441	7.05937E-06	29.95963287	3.50018E-05	0.000814277	0.00033677
2067 Apr	128.7545471	0.047960289	0.016265005	0.001169396	11.09100437	0.031001538	56.19221878	0.001640672	0.000944977	5.32512E-06	0.009235471	0.004268982	0.095157534	0.028710939	7.06926E-06	30.0241642	3.50417E-05	0.00081556	0.000337199
2067 May	128.3729858	0.049151078	0.016637739	0.001170675	11.57507133	0.030794876	54.79974365	0.001632983	0.000952843	5.34692E-06	0.009190783	0.00421465	0.092377469	0.029440999	7.03536E-06	30.44145966	3.47182E-05	0.000807255	0.000352356
2067 Jun	115.2186508	0.04706696	0.016208678	0.001122179	11.98408604	0.028289411	44.71384048	0.001519563	0.000947953	5.20701E-06	0.008608437	0.003651495	0.074121602	0.02877496	6.53466E-06	28.82052422	3.15821E-05	0.000703239	0.000359177
2067 Jul	122.6401749	0.047662888	0.016682422	0.001159024	12.1348753	0.02941446	49.18814468	0.001608715	0.000970728	5.37206E-06	0.0089548	0.0039431	0.081219189	0.029752066	6.84134E-06	30.20449066	3.33031E-05	0.000753064	0.000368942
2067 Aug	130.3625183	0.047840696	0.017084299	0.001179031	12.16175842	0.030428508	54.44134903	0.001663857	0.000977085	5.46267E-06	0.009220681	0.00425093	0.090858027	0.030778784	7.12228E-06	31.47673225	3.49546E-05	0.000812961	0.000377761
2067 Sep	134.576767	0.048728861	0.017198142	0.001186146	12.1728878	0.03107073	57.36932755	0.001698738	0.000976289	5.49199E-06	0.009352547	0.004421901	0.09583398	0.031201445	7.25126E-06	32.1618042	3.57209E-05	0.000843772	0.000380465
2067 Oct	134.7825775	0.050693367	0.016751641	0.001169949	12.01605701	0.031517189	58.19825363	0.001692453	0.000960077	5.42071E-06	0.009329874	0.004448316	0.097235642	0.030808656	7.20982E-06	31.97918892	3.5499E-05	0.000845934	0.000371626
2067 Nov	135.8270569	0.051461533	0.016665019	0.001170652	12.00535488	0.031842679	58.97572708	0.001713078	0.000957964	5.41977E-06	0.009347537	0.0044991	0.097903267	0.030768391	7.22531E-06	32.153759	3.55156E-05	0.000849942	0.000370204
2067 Dec	136.0299835	0.051498231	0.016675511	0.001171307	12.00905609	0.031869989	59.10280609	0.001715493	0.000958188	5.42237E-06	0.009354355	0.004507278	0.098086722	0.030791802	7.2317E-06	32.19212341	3.55529E-05	0.000851229	0.000370456
2068 Jan	136.1737671	0.051515382	0.01668169	0.001171628	12.01055431	0.031885453	59.19525528	0.001717365	0.00095819	5.42347E-06	0.00935766	0.004513292	0.098206013	0.0308058	7.23538E-06	32.21956635	3.55745E-05	0.000852083	0.000370625
2068 Feb	136.272644	0.051531628	0.016685607	0.001171972	12.01333904	0.03190076	59.25226593	0.001719372	0.000958296	5.42471E-06	0.009359289	0.004517618	0.098242797	0.030813502	7.23761E-06	32.24177551	3.55821E-05	0.000852467	0.00037075
2068 Mar	136.4939117	0.051588383	0.016701585	0.001173298	12.02505875	0.031945076	59.36595917	0.00172337	0.00095915	5.43034E-06	0.009368018	0.004526402	0.09834899	0.030842999	7.24562E-06	32.29275131	3.56154E-05	0.000853503	0.000371142
2068 Apr	137.1244965	0.051789835	0.016763695	0.001177963	12.06989288	0.032083072	59.66423416	0.001732937	0.000962657	5.45126E-06	0.009402852	0.00454926	0.09873493	0.030957665	7.27422E-06	32.43967438	3.5748E-05	0.000856991	0.000372564
2068 May	136.5299988	0.052783705	0.01711444	0.001176128	12.51417351	0.031766277	58.23015976	0.001721223	0.000967344	5.45682E-06	0.009335195	0.004489073	0.095903382	0.031618483	7.22356E-06	32.79124832	3.53729E-05	0.000847756	0.000386934
2068 Jun	112.2726288	0.04788018	0.016205665	0.00107445	12.68340588	0.026913133	41.29166031	0.001455581	0.000934303	5.09663E-06	0.00828144	0.003473883	0.067909203	0.029785786	6.30336E-06	29.09800148	3.02052E-05	0.000676332	0.00038455
2068 Jul	118.6167831	0.04673098	0.016324332	0.001093238	12.46366215	0.027597709	46.00242615	0.001504935	0.000943793	5.19751E-06	0.008585115	0.003739252	0.076990716	0.030325858	6.58159E-06	29.91099739	3.20327E-05	0.000729882	0.000385516
2068 Aug	128.528595	0.047880787	0.016960835	0.001125894	12.68879318	0.028807599	52.15273666	0.001588696	0.000960877	5.35172E-06	0.008984771	0.004117034	0.087795503	0.031822443	6.94872E-06	31.73446274	3.42733E-05	0.000802617	0.000401313
2068 Sep	132.2265625	0.049015474	0.016940411	0.001129238	12.66064262	0.029480288	54.86170959	0.001619136	0.000958095	5.36872E-06	0.009104248	0.00427123	0.092402168	0.032095786	7.05813E-06	32.28468323	3.49165E-05	0.000829752	0.000401486
2068 Oct	135.5392303	0.050021611	0.016915536	0.001134439	12.65116882	0.030078361	57.15174103	0.001669302	0.000956152	5.38653E-06	0.009181562	0.004418422	0.095103867	0.032239553	7.13571E-06	32.8652916	3.52994E-05	0.000847631	0.000401836
2068 Nov	136.6023407	0.050223071	0.016944384	0.001137779	12.66771984	0.030251127	57.8103714	0.001687835	0.000957107	5.39932E-06	0.009207135	0.004464515	0.095752724	0.032316945	7.16351E-06	33.07944489	3.54228E-05	0.000852767	0.000402743
2068 Dec	136.8233185	0.050255548	0.016950365	0.001138489	12.67094517	0.03028582	57.94593048	0.001692065	0.00095729	5.40191E-06	0.009211517	0.00447429	0.095865399	0.032330938	7.16887E-06	33.12522507	3.54442E-05	0.000853734	0.000402932
2069 Jan	136.9589996	0.050267179	0.016954064	0.001138729	12.67152977	0.030300437	58.03442383	0.001694073	0.000957252	5.40279E-06	0.009214055	0.004480158	0.095967472	0.032341395	7.17204E-06	33.15118027	3.54617E-05	0.00085448	0.000403062
2069 Feb	137.0303497	0.050276343	0.016957132	0.001138912	12.6731596	0.030309251	58.0773468	0.001695208	0.000957302	5.40355E-06	0.009215568	0.00448316	0.096012063	0.032348502	7.17382E-06	33.16613388	3.54705E-05	0.000854843	0.000403161
2069 Mar	137.1182861	0.050285298	0.01695854	0.001139143	12.67420292	0.03032304	58.13087845	0.001697248	0.000957326	5.40436E-06	0.009216293	0.004487264	0.096035883	0.032351445	7.17541E-06	33.18541336	3.54739E-05	0.000855125	0.000403224
2069 Apr	137.3619385	0.050339565	0.016974175	0.001140445	12.68598843	0.0303695	58.25839996	0.001701803	0.000958161	5.41008E-06	0.009224917	0.004497131	0.096145451	0.032381374	7.18367E-06	33.24145889	3.55073E-05	0.000856221	0.000403634
2069 May	138.8982239	0.05089242	0.017151728	0.001150859	12.83393192	0.030665156	58.89352798	0.001725515	0.000966507	5.45897E-06	0.009298236	0.004550389	0.096809894	0.032718372	7.24629E-06	33.64564514	3.5782E-05	0.000863894	0.000408499
2069 Jun	116.7843552	0.042914562	0.015161486	0.001100269	11.61460209	0.02789622	46.17113876	0.001569174	0.000957922	5.27607E-06	0.008704238	0.003748944	0.0758553	0.028481672	6.64218E-06	28.8997879	3.22066E-05	0.000713364	0.000353518
2069 Jul	118.1944809	0.040899079	0.014900422	0.001115187	11.27703953	0.028199768	47.62039185	0.001604257	0.00097228	5.36581E-06	0.008887115	0.003831131	0.078582995	0.028136548	6.78418E-06	28.82192039	3.30567E-05	0.000726681	0.000344277
2069 Aug	124.7422562	0.041391753	0.015184225	0.001131763	11.36166382	0.02909947	51.91778183	0.001653221	0.000980223	5.45349E-06	0.00912788	0.004086181	0.086431414	0.029048903	7.0258E-06	29.94879341	3.44424E-05	0.000776703	0.000352422
2069 Sep	126.2179489	0.042979311	0.014877999	0.001116292	11.23271942	0.029526537	53.58763504	0.001639324	0.000964	5.39062E-06	0.009143384	0.004153249	0.090119883	0.028979693	7.03475E-06	29.97254372	3.45871E-05	0.000792924	0.000347229
2069 Oct	125.3026123	0.046539761	0.014175281	0.001092206	11.08523655	0.030287141	53.82239914	0.001625535	0.000942068	5.2841E-06	0.009072232	0.004140599	0.090195537	0.028306371	6.93288E-06	29.570467	3.38669E-05	0.000784397	0.000333622
2069 Nov	125.6055984	0.047687713	0.014041767	0.001091962	11.10307884	0.030676274	54.06525803	0.001638824	0.000941204	5.28306E-06	0.009081896	0.004159173	0.090049289	0.028201956	6.93099E-06	29.62520409	3.37248E-05	0.000782919	0.000331204
2069 Dec	125.7329559	0.047710054	0.014045653	0.001092271	11.10481262	0.030693915	54.14623642	0.001640541	0.000941293	5.28446E-06	0.009085598	0.004164472	0.090154849	0.028214181	6.93464E-06	29.64939308	3.37449E-05	0.00078367	0.000331334
2070 Jan	125.8183594	0.047721226	0.014046594	0.001092428	11.10583687	0.030707084	54.19886017	0.001642481	0.000941271	5.28502E-06	0.009086051	0.004168463	0.090178795	0.028216973	6.93599E-06	29.66810799	3.37473E-05	0.000783943	0.000331395
2070 Feb	125.9818344	0.047733471	0.014047771	0.001092722	11.10702419	0.030731931	54.29991531	0.001646513	0.000941215	5.28606E-06	0.009086299	0.004176308	0.090209797	0.028219581	6.93831E-06	29.70430183	3.3749E-05	0.000784393	0.000331488
2070 Mar	126.1812897	0.047759317	0.014052828	0.001093368	11.11126614	0.03076666	54.4164505	0.001651052	0.000941464	5.28879E-06	0.009089432	0.004185356	0.09026695	0.028229887	6.94279E-06	29.74876022	3.3761E-05	0.000785067	0.000331666
2070 Apr	126.5606842	0.047870159	0.014083537	0.001095764	11.13629055	0.03084648	54.599823	0.001657454	0.000943297	5.30009E-06	0.009107383	0.004199686	0.090461984	0.028291291	6.95822E-06	29.83833313	3.38279E-05	0.000786961	0.000332464
2070 May	126.1175156	0.049007084	0.014514998	0.001098007	11.60731792	0.030612539	53.20272446	0.001647247	0.000950194	5.31697E-06	0.009057355	0.004143097	0.087751143	0.02900652	6.92064E-06	30.22974968	3.35097E-05	0.000778814	0.000347436
2070 Jun	115.9973755	0.049106225	0.015138065	0.001065329	12.54379749	0.028232131	44.12195969	0.001530551	0.00094613	5.18987E-06	0.008510934	0.00365304	0.071559802	0.029603088	6.47208E-06	29.57262611	3.07939E-05	0.00069611	0.000375074
2070 Jul	122.1225891	0.049282838	0.015368361	0.001090529	12.61925507	0.029155433	47.89038086	0.001617182	0.000962865	5.31766E-06	0.008765809	0.003904448	0.076871961	0.030258661	6.70929E-06	30.7153492	3.2053E-05	0.000734033	0.000381413
2070 Aug	132.0705261	0.049641199	0.015782839	0.001108742	12.68159008	0.030075379	54.56145859	0.001674939	0.000969834	5.42644E-06	0.009140314	0.004287862	0.089648888	0.031704344	7.06784E-06	32.36493301	3.44338E-05	0.000814505	0.000395068
2070 Sep	133.1983643	0.051182114	0.015397565	0.001094844	12.50598907	0.030533658	56.07071686	0.001662008	0.000955687	5.37231E-06	0.009174258	0.004344577	0.093079902	0.031507466	7.08002E-06	32.28023911	3.46006E-05	0.000828333	0.000387578
2070 Oct	131.7462158	0.053098518	0.014879922	0.001082984	12.37837219	0.03108036	55.60652542	0.001667501	0.00094523	5.31625E-06	0.009099995	0.004312459	0.091270149	0.03080981	6.99275E-06	31.89022446	3.38528E-05	0.000812087	0.000375825
2070 Nov	132.4312286	0.05339529	0.014844343	0.001083812	12.37538242	0.031261358	56.07659149	0.001683667	0.00094693	5.3196E-06	0.009108587	0.004346081	0.091533981	0.03079051	7.00382E-06	32.02082443	3.38593E-05	0.000814172	0.000375312
2070 Dec	132.5604706	0.053408947	0.014846553	0.001084007	12.37569046	0.031276878	56.16184616	0.001685538	0.000944678	5.32055E-06	0.009111436	0.004351663	0.091636911	0.030800074	7.00703E-06	32.04488373	3.3877E-05	0.000814901	0.000375415
2071 Jan	132.671875	0.053418294	0.014847322	0.001084183	12.37632275	0.031293537	56.23184204	0.001688074	0.000944644	5.32128E-06	0.009112077	0.004356916	0.091671318	0.030802842	7.00884E-06	32.06868362	3.38809E-05	0.000815268	0.000375478
2071 Feb	132.819046	0.053427178	0.014847952	0.001084414	12.37714195	0.031316496	56.32311249	0.001691791	0.000944597	5.32224E-06	0.009112237	0.004364038	0.091696054	0.030804254	7.01091E-06	32.10122299	3.38818E-05	0.000815655	0.000375549
2071 Mar	132.951416	0.053437579	0.014849272	0.001084684	12.37844372	0.031338021	56.4038887	0.001695029	0.000944622	5.32341E-06	0.009113038	0.004370321	0.091723949	0.030807154	7.01314E-06	32.13044739	3.3885E-05	0.000816036	0.000375627
2071 Apr	133.2348633	0.05349151	0.014862049	0.001085884	12.38930511	0.031391725	56.55880356	0.00170079	0.000945377	5.3291E-06	0.009121137	0.004382329	0.091833591	0.030833995	7.0216E-06	32.19479752	3.39155E-05	0.000817185	0.000376008
2071 May	131.742691	0.054197613	0.015222099	0.001082215	12.78781128	0.030923894	54.63283539	0.001678263	0.00094731	5.31532E-06	0.009012169	0.004288611	0.08828108	0.03134881	6.93715E-06	32.35408401	3.33689E-05	0.000802473	0.000388727
2071 Jun	116.260582	0.050447073	0.015060003	0.001038373	12.87351036	0.027872877	43.73210907	0.001517278	0.00093937	5.12337E-06	0.008379464	0.003641137	0.07027901	0.030158924	6.38419E-06	29.97872925	3.02801E-05	0.000693294	0.000387088
2071 Jul	119.2453613	0.048747431	0.014864251	0.001052699	12.58212662	0.028308539	46.11618423	0.001585019	0.00094432	5.20527E-06	0.008541605	0.003794677	0.073293105	0.029910209	6.5306E-06	30.28186226	3.1099E-05	0.000711327	0.000380376
2071 Aug	129.3789368	0.049461145	0.015271156	0.001072782	12.70836639	0.029288128	52.69491959	0.001660032	0.00095378	5.32621E-06	0.008919487	0.004185683	0.085141994	0.031348478	6.88527E-06	32.05493927	3.34E-05	0.000788635	0.000394879
2071 Sep	132.6310577	0.050132059	0.015041856	0.001064724	12.55194378	0.02981974	55.52825546	0.00166571	0.000942966	5.3038E-06	0.009004314	0.004325234	0.090895176	0.031481706	6.97513E-06	32.36807632	3.4E-05	0.000818687	0.000391549
2071 Oct	133.1837006	0.05117593	0.014772945	0.00105968	12.46990776	0.030270511	56.18008804	0.001692959	0.00093636	5.28007E-06	0.008980524	0.004369489	0.090757228	0.031152282	6.95484E-06	32.40903854	3.37225E-05	0.000816236	0.000385792
2071 Nov	132.3528442	0.052465532	0.014559851	0.001058285	12.46368408	0.030665059	55.74047089	0.001693549	0.00093611 9	5.27399E-06	0.008977014	0.004342695	0.089726396	0.030881401	6.9286E-06	32.22245026	3.34078E-05	0.000807744	0.000380656
2071 Dec	132.3642578	0.052550208	0.014550327	0.00105835	12.46464729	0.030694148	55.75241089	0.00169397	0.000936192	5.27449E-06	0.008979467	0.004343352	0.08973749	0.030875232	6.92931E-06	32.22225571	3.34046E-05	0.000807717	0.000380456
2072 Jan	132.4839478	0.052563842	0.014551124	0.001058557	12.46613693	0.030714694	55.82505417	0.001696974	0.000936196	5.27546E-06	0.008979934	0.004349067	0.089756705	0.030877421	6.93114E-06	32.24913788	3.34056E-05	0.000808031	0.000380525
2072 Feb	132.6480408	0.052575134	0.014552592	0.001058798	12.46780586	0.030740393	55.92518234	0.001701054	0.000936172	5.27665E-06	0.00898031	0.004356912	0.089784674	0.030880554	6.93355E-06	32.2858963	3.34073E-05	0.000808472	0.000380627
2072 Mar	132.7927551	0.052586284	0.014554238	0.00105906	12.4695015	0.030763825	56.01293182	0.00170458	0.000936203	5.27794E-06	0.008981177	0.004363756	0.089814506	0.030884214	6.93599E-06	32.3180809	3.34107E-05	0.000808889	0.000380721
2072 Apr	133.1574402	0.052672625	0.014576305	0.001060877	12.48868179	0.030836206	56.20051575	0.001711326	0.000937561	5.28699E-06	0.008994976	0.004378341	0.089979537	0.030931436	6.9488E-06	32.40266037	3.34624E-05	0.000810543	0.000381357
2072 May	134.4250183	0.053092916	0.014691401	0.001069423	12.58709049	0.031109273	56.78244781	0.001730039	0.000944786	5.32964E-06	0.009065956	0.004423382	0.09074308	0.031177457	7.00652E-06	32.70479202	3.37297E-05	0.000817582	0.000384463
2072 Jun	119.0337601	0.045709904	0.013377299	0.001052938	11.4296627	0.029258888	48.41861725	0.001634946	0.000947467	5.25241E-06	0.008750046	0.003886752	0.077390432	0.027797701	6.65864E-06	29.10608482	3.17492E-05	0.0007168	0.000337438
2072 Jul	120.8524628	0.043641374	0.01311236	0.00106291	11.13315773	0.029701643	50.08278656	0.001693251	0.000955785	5.31584E-06	0.00882923	0.003999263	0.079056986	0.027428187	6.76086E-06	29.22523308	3.21146E-05	0.000725263	0.000329595
2072 Aug	127.727684	0.043469813	0.013004502	0.001058635	11.02008533	0.030649964	55.34533691	0.001718155	0.000946541	5.32818E-06	0.008977742	0.004279739	0.089535318	0.028129498	6.97707E-06	30.17173767	3.32627E-05	0.000784968	0.000331737
2072 Sep	131.9796906	0.04412397	0.012833437	0.001049869	10.92149639	0.031255364	58.78391266	0.001721608	0.000935223	5.30943E-06	0.009075239	0.004451655	0.096730404	0.028515887	7.09736E-06	30.68659401	3.40078E-05	0.000824342	0.00033141
2072 Oct	128.6148071	0.046564039	0.012338724	0.001034406	10.85471916	0.031603161	56.96800995	0.001693633	0.00092388	5.23233E-06	0.008962292	0.004330539	0.093343243	0.027775267	6.95404E-06	29.9813652	3.29876E-05	0.000797317	0.000319732
2072 Nov	128.2956238	0.047162607	0.012262477	0.001032995	10.85926723	0.031732507	56.80161285	0.001690461	0.000923037	5.22613E-06	0.008961412	0.004318452	0.093066901	0.027697599	6.94208E-06	29.90904999	3.28831E-05	0.000794665	0.000318115
2072 Dec	128.4659576	0.047174726	0.012265685	0.001033113	10.85928154	0.031746071	56.91692352	0.00169208	0.000922975	5.22715E-06	0.00896616	0.004325421	0.093248084	0.027715646	6.94683E-06	29.93855095	3.29157E-05	0.000795853	0.000318299
2073 Jan	128.5852509	0.047183737	0.012267026	0.001033244	10.86015606	0.031762037	56.99220276	0.001694481	0.000922945	5.22794E-06	0.008967354	0.004330873	0.093301043	0.027721087	6.94904E-06	29.96342468	3.29234E-05	0.000796329	0.00031839
2073 Feb	128.7376404	0.047193054	0.012268309	0.001033448	10.86161804	0.031786095	57.08535385	0.001698254	0.000922935	5.22911E-06	0.008967865	0.004338149	0.093329027	0.027724015	6.95137E-06	29.99736214	3.29256E-05	0.000796748	0.000318482
2073 Mar	128.9177399	0.047208309	0.012270959	0.001033819	10.8642664	0.031816527	57.19329834	0.001702517	0.00092306	5.23112E-06	0.008969786	0.004346529	0.093373939	0.027730301	6.9549E-06	30.03720093	3.2933E-05	0.00079731	0.000318609
2073 Apr	129.5098419	0.047373127	0.01231249	0.00103748	10.90126228	0.031948369	57.48493958	0.001712209	0.000926121	5.2498E-06	0.009000358	0.004368823	0.093719527	0.02782475	6.98064E-06	30.17267799	3.30459E-05	0.000800427	0.000319745
2073 May	128.9645233	0.048780631	0.013031044	0.001036138	11.55685806	0.031264182	55.64079666	0.001675853	0.000930353	5.24655E-06	0.008922369	0.004283	0.09092018	0.028999463	6.91877E-06	30.71034622	3.27951E-05	0.00079463	0.000343603
2073 Jun	116.29702	0.04629916	0.013438189	0.001011939	11.92434978	0.02839694	45.92535782	0.001532924	0.000928298	5.12319E-06	0.008447126	0.003719853	0.07513459	0.028633961	6.47659E-06	29.04733658	3.05419E-05	0.00070519	0.000354269

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Jul	121.093956	0.044735663	0.013331657	0.001026768	11.68375874	0.028925333	49.46111298	0.001604806	0.000939104	5.21949E-06	0.008669673	0.003938477	0.080535844	0.028760307	6.68367E-06	29.68552399	3.17939E-05	0.000738553	0.000352003
2073 Aug	132.0688324	0.044997226	0.013613409	0.001041208	11.73566055	0.029865215	56.80688858	0.00168247	0.000944717	5.32999E-06	0.009051181	0.004369379	0.093812928	0.030243786	7.05719E-06	31.54444313	3.42546E-05	0.000823394	0.00036644
2073 Sep	136.4253387	0.045636304	0.013522725	0.00103698	11.66004467	0.030306857	60.11398697	0.001700415	0.00093738	5.3303E-06	0.009180131	0.004545982	0.100162305	0.030662697	7.18256E-06	32.14775848	3.51582E-05	0.000860137	0.000368109
2073 Oct	134.681839	0.047684025	0.013071747	0.001024685	11.55953503	0.030770466	59.4142952	0.001695186	0.000926708	5.26994E-06	0.009105996	0.004496142	0.098293945	0.030025594	7.08834E-06	31.7151165	3.44304E-05	0.000843447	0.000357406
2073 Nov	134.3907471	0.048154239	0.012988604	0.001022758	11.54682446	0.030876908	59.30195999	0.0016927	0.000925153	5.26091E-06	0.009100434	0.004486811	0.098081253	0.029927051	7.07513E-06	31.63684845	3.43258E-05	0.000841047	0.000355506
2073 Dec	134.5959015	0.048175532	0.012993926	0.001023069	11.5490551	0.030897146	59.43471527	0.001694707	0.000925281	5.26307E-06	0.009107338	0.004494992	0.09829279	0.029952016	7.08159E-06	31.6738739	3.43673E-05	0.000842469	0.000355767
2074 Jan	134.6968994	0.048180338	0.012996546	0.001023075	11.54927349	0.03090065	59.50388718	0.001695142	0.000925219	5.26353E-06	0.009110637	0.004498856	0.098425716	0.029966779	7.08466E-06	31.69050789	3.43918E-05	0.000843307	0.000355923
2074 Feb	134.8167114	0.048185106	0.012998155	0.001023152	11.55004978	0.03091407	59.58011627	0.001697329	0.000925171	5.26423E-06	0.009111969	0.004504228	0.098490208	0.029973853	7.08697E-06	31.7150383	3.44018E-05	0.000843845	0.000356033
2074 Mar	134.9859924	0.048203226	0.013002044	0.001023558	11.55379391	0.030943306	59.67886353	0.001701131	0.000925384	5.26656E-06	0.009114685	0.004511873	0.098540813	0.029983146	7.09081E-06	31.75278473	3.44124E-05	0.000844429	0.00035619
2074 Apr	135.5031586	0.048341811	0.01303829	0.001026541	11.58630466	0.031051848	59.93358612	0.001709459	0.000927917	5.28216E-06	0.009140298	0.004531314	0.098840415	0.030067189	7.11259E-06	31.87201118	3.45093E-05	0.000847153	0.000357235
2074 May	133.7810516	0.050218787	0.013982944	0.00102344	12.46320534	0.030086912	56.80031586	0.001656565	0.000932238	5.26385E-06	0.008985464	0.00437947	0.093707733	0.031484514	6.98921E-06	32.43624115	3.38665E-05	0.000830717	0.000387734
2074 Jun	116.1715622	0.047218755	0.014396285	0.000984071	12.83349609	0.026367709	43.82492447	0.001450552	0.000918438	5.04397E-06	0.008275989	0.003611246	0.072846293	0.030690378	6.34828E-06	29.95314407	3.05088E-05	0.000708271	0.00039634
2074 Jul	125.8538818	0.04656392	0.014511592	0.001004547	12.73462582	0.027231213	50.40672302	0.001544804	0.00093187	5.18653E-06	0.008683915	0.00400607	0.084164619	0.031691868	6.71652E-06	31.49601746	3.29265E-05	0.000780828	0.000404076
2074 Aug	138.0249023	0.047414888	0.014941636	0.001026445	12.92504883	0.028242951	58.18007278	0.001630017	0.000945457	5.34094E-06	0.009163539	0.004468099	0.098418511	0.033542983	7.1508E-06	33.66044998	3.58333E-05	0.000874766	0.000423646
2074 Sep	141.1486511	0.048330519	0.014668853	0.001018442	12.77373409	0.028742878	60.88897324	0.001637745	0.000935542	5.32173E-06	0.009261612	0.004602542	0.103814289	0.033656642	7.23737E-06	33.962677	3.64614E-05	0.000902962	0.000420298
2074 Oct	143.7550659	0.049756095	0.014359347	0.001012031	12.65309811	0.029411251	63.08223343	0.001676566	0.000926648	5.30379E-06	0.009312693	0.004730817	0.10653542	0.033507831	7.27957E-06	34.28845978	3.6655E-05	0.000917209	0.000415141
2074 Nov	146.6760559	0.049942765	0.014348126	0.001011531	12.62031174	0.02965145	65.14893341	0.001705773	0.000923687	5.31306E-06	0.00938482	0.004854356	0.109693684	0.033747755	7.35452E-06	34.76857376	3.71756E-05	0.000937308	0.00041714
2074 Dec	147.0258179	0.04995263	0.014354552	0.001011624	12.61914158	0.02966604	65.39203644	0.00170737	0.000923544	5.31505E-06	0.009397116	0.004867875	0.110163867	0.033795748	7.36574E-06	34.82404709	3.72632E-05	0.000940235	0.000417602
2075 Jan	147.1168518	0.049958505	0.014356137	0.001011665	12.61964226	0.02967318	65.4521637	0.00170833	0.000923516	5.3156E-06	0.009399391	0.004871611	0.110252522	0.033805609	7.36815E-06	34.84064865	3.72791E-05	0.000940837	0.000417714
2075 Feb	147.2379456	0.049966272	0.014358282	0.001011802	12.62127304	0.029689042	65.5266571	0.001710673	0.000923541	5.31666E-06	0.009401008	0.004877017	0.110309094	0.033813171	7.37066E-06	34.86627579	3.72887E-05	0.000941346	0.000417834
2075 Mar	147.448288	0.049995374	0.014365839	0.001012413	12.62808037	0.029724481	65.64522552	0.001714812	0.000923963	5.32023E-06	0.009406227	0.004886002	0.11039827	0.033832174	7.37647E-06	34.91319275	3.73106E-05	0.000942228	0.00041811
2075 Apr	147.9808807	0.050122816	0.014401663	0.00101504	12.65955448	0.02982232	65.91419983	0.001722917	0.000926197	5.33451E-06	0.00943044	0.004906068	0.110724188	0.033919048	7.39749E-06	35.03495789	3.7409E-05	0.000945114	0.000419224
2075 May	149.548996	0.050714009	0.014657882	0.001020097	12.87123966	0.029855527	66.48222351	0.001727585	0.0009313	5.36529E-06	0.009490781	0.004947819	0.111906342	0.034489896	7.45014E-06	35.48659134	3.7767E-05	0.000956439	0.000428089
2075 Jun	122.9115372	0.040445529	0.012651674	0.000998161	11.02894497	0.027293557	51.88804245	0.001571158	0.0009294	5.19788E-06	0.008874632	0.004020945	0.087629862	0.028624488	6.79536E-06	29.38003922	3.37621E-05	0.000775089	0.000346725
2075 Jul	116.4066086	0.036551587	0.011988469	0.001004972	10.38262081	0.026916986	48.5592308	0.001556498	0.000941568	5.22404E-06	0.00881732	0.003813176	0.081987515	0.026856551	6.7074E-06	27.71694183	3.30824E-05	0.000730645	0.00031985
2075 Aug	124.7365189	0.03680734	0.012142736	0.00101578	10.44158077	0.027750131	54.0906868	0.001621105	0.000947228	5.31461E-06	0.009100687	0.004141963	0.091763087	0.02796332	6.99213E-06	29.1519165	3.48453E-05	0.000793454	0.000330436
2075 Sep	129.7185364	0.037451975	0.012184256	0.001020359	10.4814949	0.028350787	57.38615799	0.001673403	0.000948383	5.35842E-06	0.009248482	0.00434533	0.096801996	0.028489992	7.13938E-06	30.04081917	3.57155E-05	0.000826814	0.000335364
2075 Oct	130.8036499	0.038889468	0.012014264	0.001017745	10.49112034	0.0289174	58.19124985	0.001705586	0.000944694	5.35056E-06	0.009248712	0.004404034	0.096866891	0.028346872	7.13867E-06	30.25027084	3.55174E-05	0.000827177	0.000332416
2075 Nov	131.4541779	0.039336767	0.011993567	0.001018704	10.51045704	0.029109087	58.60778809	0.001715659	0.000945209	5.35804E-06	0.009272148	0.00443157	0.097346604	0.028389383	7.15656E-06	30.37420464	3.55826E-05	0.000830396	0.000332491
2075 Dec	131.6248627	0.039367825	0.011995413	0.001018925	10.51265812	0.029131677	58.71777725	0.001717698	0.000945309	5.35982E-06	0.009277524	0.004438565	0.097503014	0.028407035	7.1616E-06	30.40580177	3.56118E-05	0.000831467	0.000332665
2076 Jan	131.7075348	0.039378084	0.011996618	0.001019006	10.51412487	0.029144067	58.76805496	0.001719391	0.000945318	5.3605E-06	0.009278446	0.00444229	0.097535089	0.028411703	7.16317E-06	30.42376518	3.56165E-05	0.000831781	0.000332743
2076 Feb	131.834137	0.039391257	0.011999846	0.00101925	10.51735592	0.029165182	58.84089661	0.001722273	0.000945455	5.36211E-06	0.00928011	0.004448007	0.09756697	0.028419025	7.16582E-06	30.45270538	3.5623E-05	0.000832194	0.000332878
2076 Mar	132.042923	0.039415192	0.012006051	0.001019834	10.52323627	0.029202178	58.95938492	0.001726771	0.000945866	5.36566E-06	0.009284772	0.00445718	0.097638659	0.028434075	7.17132E-06	30.49945831	3.5641E-05	0.000832977	0.000333107
2076 Apr	132.3926697	0.039476048	0.012023401	0.001021404	10.53888893	0.029269591	59.14413071	0.001733304	0.000947177	5.37444E-06	0.009298394	0.004471357	0.097807676	0.028475834	7.18393E-06	30.57825661	3.56936E-05	0.000834598	0.000333649
2076 May	131.8963013	0.040883441	0.012521345	0.001026	11.02640057	0.02911346	57.69421768	0.001723691	0.000953937	5.39006E-06	0.009244323	0.004412599	0.094928697	0.02918254	7.14202E-06	30.96993637	3.53247E-05	0.000825435	0.000348512
2076 Jun	111.4069443	0.038741801	0.0126722	0.000993169	11.24148464	0.026087148	43.24500275	0.001517315	0.000940943	5.15889E-06	0.008462831	0.00355571	0.070946932	0.027514903	6.42868E-06	27.80661964	3.10764E-05	0.000677936	0.0003424
2076 Jul	114.2093735	0.036932047	0.012411235	0.001003849	10.91975117	0.026493166	45.61359787	0.001576128	0.000950115	5.23419E-06	0.008624736	0.003701679	0.074303903	0.027249081	6.57399E-06	28.03242683	3.1914E-05	0.000696754	0.000334902
2076 Aug	125.3492508	0.037416458	0.012662068	0.001018625	11.02742767	0.027399238	52.93836975	0.001646726	0.000959192	5.36094E-06	0.009049886	0.004128274	0.088049889	0.028885819	6.96993E-06	29.93929291	3.45613E-05	0.00078507	0.000351123
2076 Sep	129.4558716	0.038138911	0.012675708	0.001023404	11.07491302	0.028008742	55.61621857	0.001696071	0.00096144	5.40334E-06	0.009173419	0.004297803	0.091879949	0.029286487	7.09192E-06	30.68953705	3.52135E-05	0.000810875	0.000354661
2076 Oct	127.9936142	0.039996695	0.012326341	0.001012098	11.00772572	0.028389808	55.04404449	0.001682952	0.000951144	5.34564E-06	0.009107706	0.004251885	0.090680003	0.028819371	7.01176E-06	30.3215065	3.46138E-05	0.000798621	0.000346396
2076 Nov	128.0339203	0.040475633	0.012262204	0.0010105	11.00264835	0.028509479	55.14345169	0.001681509	0.000949617	5.33904E-06	0.009112375	0.004254558	0.09089569	0.028783418	7.00928E-06	30.30360222	3.45862E-05	0.000799012	0.000345237
2076 Dec	128.2943115	0.040491652	0.01226569	0.001010684	11.00378418	0.028531224	55.31594849	0.001684087	0.000949642	5.34115E-06	0.009120152	0.004265128	0.091165088	0.028812574	7.01692E-06	30.34982109	3.46367E-05	0.000800807	0.000345542
2077 Jan	128.3923035	0.040498491	0.012266587	0.001010727	11.00456905	0.02854318	55.37835693	0.001685827	0.000949615	5.34178E-06	0.009121473	0.004269489	0.091220953	0.028818658	7.01892E-06	30.36971664	3.46454E-05	0.00080126	0.00034563
2077 Feb	128.5385284	0.040505748	0.01226789	0.001010852	11.00618839	0.028566578	55.46729279	0.001689419	0.000949623	5.34298E-06	0.009122119	0.004276435	0.091249011	0.028821971	7.02124E-06	30.40232658	3.46481E-05	0.000801669	0.000345723
2077 Mar	128.6795807	0.040516093	0.012270268	0.001011088	11.00867939	0.028590269	55.55079651	0.001692704	0.00094975	5.34469E-06	0.009123877	0.004282926	0.091285802	0.028827999	7.02415E-06	30.43372154	3.4655E-05	0.000802123	0.000345837
2077 Apr	129.0673523	0.040590141	0.012291653	0.001012941	11.0283289	0.028666189	55.74998856	0.001699788	0.000951361	5.35513E-06	0.009140129	0.004298332	0.091475278	0.028879106	7.03879E-06	30.52237892	3.4717E-05	0.000803959	0.000346502
2077 May	128.3179932	0.04190376	0.012769793	0.001015401	11.48794651	0.028430199	54.21900177	0.001682619	0.000955906	5.35859E-06	0.009072668	0.004229673	0.088671416	0.029547509	6.98565E-06	30.83798599	3.43231E-05	0.000794399	0.000360737
2077 Jun	115.4157791	0.043633275	0.013885336	0.000985282	12.56812572	0.025853654	43.22404861	0.001508507	0.00093999	5.14858E-06	0.00837666	0.003609864	0.070087597	0.030124485	6.40365E-06	29.76455688	3.08839E-05	0.000695169	0.000390087
2077 Jul	123.8055496	0.043754429	0.014055867	0.001007092	12.65082645	0.026891032	48.45611572	0.001622202	0.000957264	5.29623E-06	0.008699205	0.003954168	0.077459462	0.031008542	6.70399E-06	31.32566833	3.2578E-05	0.000747668	0.000399109
2077 Aug	135.6387329	0.044276886	0.014302876	0.00102149	12.76486015	0.027788311	56.23308945	0.001695334	0.000966384	5.42814E-06	0.009153524	0.004405833	0.092117198	0.032757677	7.12272E-06	33.35020828	3.54235E-05	0.000841948	0.000416589
2077 Sep	135.9118042	0.045323219	0.013703571	0.001001654	12.47858524	0.028299646	57.51565933	0.001670612	0.00094681	5.34483E-06	0.009119879	0.004438392	0.095424041	0.032282561	7.1024E-06	33.0029335	3.52449E-05	0.000851604	0.000404019
2077 Oct	136.1796417	0.046631563	0.013475998	0.000998483	12.43742847	0.028791763	57.90835571	0.00168636	0.000943464	5.3331E-06	0.00912433	0.004462782	0.095404103	0.032033358	7.09327E-06	32.99151611	3.50455E-05	0.000849472	0.000398861
2077 Nov	136.727356	0.046746116	0.013485816	0.000999595	12.44954967	0.028868483	58.24886322	0.001692197	0.000944305	5.34119E-06	0.009146166	0.004484285	0.095938116	0.032103442	7.11213E-06	33.09402084	3.5156E-05	0.000853129	0.000399557
2077 Dec	136.8632202	0.046762876	0.01348839	0.000999812	12.45173454	0.028884392	58.33434296	0.001693771	0.000944449	5.34289E-06	0.009150757	0.004489752	0.096063592	0.032119375	7.11642E-06	33.11961365	3.51814E-05	0.000854004	0.000399729
2078 Jan	136.9454193	0.046770941	0.013489689	0.000999904	12.45310783	0.028896093	58.38453293	0.00169532	0.00094449	5.34372E-06	0.009152143	0.004493376	0.096104376	0.03212503	7.11827E-06	33.13696289	3.51887E-05	0.000854361	0.000399811
2078 Feb	137.091568	0.046777565	0.013490948	0.001000022	12.45468426	0.028919507	58.47351456	0.001698884	0.000944508	5.34497E-06	0.00915292	0.004500304	0.096134491	0.032128483	7.12067E-06	33.16940308	3.51919E-05	0.00085478	0.000399903
2078 Mar	137.2637329	0.046786014	0.013492603	0.001000211	12.45667553	0.028947802	58.57788467	0.001703033	0.000944577	5.34667E-06	0.009154314	0.004508408	0.096174046	0.032133184	7.12378E-06	33.20739365	3.51975E-05	0.000855296	0.000400013
2078 Apr	137.8714905	0.046938747	0.013535819	0.001003499	12.4970417	0.029067347	58.8707962	0.00171271	0.000947567	5.36499E-06	0.00918413	0.004530995	0.096515357	0.032237206	7.14914E-06	33.35025024	3.53126E-05	0.000858496	0.000401358
2078 May	133.8062592	0.049206246	0.014522204	0.000999566	13.41287994	0.028039986	54.1309166	0.001640399	0.000949269	5.3153E-06	0.008925517	0.004285271	0.088472575	0.033395451	6.93686E-06	33.55114746	3.40082E-05	0.000823383	0.000429607
2078 Jun	120.0287399	0.049034204	0.015196439	0.000976528	14.00622559	0.025690133	43.4500618	0.001492261	0.000937887	5.13437E-06	0.008290095	0.003675885	0.070031226	0.032997765	6.3886E-06	31.89653969	3.07205E-05	0.000718274	0.000441402
2078 Jul	130.7654114	0.049266804	0.01540785	0.000996613	14.11277771	0.026757849	50.3212738	0.001598168	0.00095333	5.28987E-06	0.008699657	0.004101731	0.081378013	0.034379799	6.77182E-06	33.8216095	3.30875E-05	0.000794463	0.000455515
2078 Aug	141.0120544	0.04885035	0.015387832	0.00100082	14.01810837	0.027495474	57.61010361	0.001646985	0.000953622	5.37221E-06	0.009063567	0.00450624	0.095721565	0.035723753	7.13442E-06	35.37706375	3.55682E-05	0.00088123	0.000466263
2078 Sep	146.1592255	0.049195729	0.015319589	0.001003762	13.99653244	0.028197035	61.17999268	0.001700617	0.000954199	5.41639E-06	0.009213711	0.004721481	0.101364046	0.036163975	7.29339E-06	36.22634888	3.64436E-05	0.000916868	0.000468881
2078 Oct	148.3319855	0.049825042	0.015107962	0.000998366	13.88715553	0.028565858	62.99246216	0.001725501	0.000947671	5.40527E-06	0.009264128	0.004823897	0.104014128	0.03612436	7.33834E-06	36.48888016	3.67428E-05	0.000931263	0.00046598
2078 Nov	148.8786316	0.050059523	0.015069951	0.00099839	13.87922382	0.028710375	63.38854218	0.00173591	0.000947378	5.40868E-06	0.009278249	0.004849833	0.104405947	0.03611568	7.35085E-06	36.57877731	3.67853E-05	0.000933718	0.000465427
2078 Dec	148.984024	0.05007232	0.015071313	0.000998509	13.88034058	0.028720107	63.45752516	0.001736719	0.000947454	5.40983E-06	0.009282314	0.004853926	0.104527764	0.036129858	7.35442E-06	36.59709549	3.68094E-05	0.00093451	0.000465566
2079 Jan	149.1139526	0.050073557	0.015071407	0.000998466	13.87966824	0.028728848	63.54641724	0.001738136	0.00094735	5.41035E-06	0.00928519	0.004859399	0.104656465	0.036141671	7.35766E-06	36.61986923	3.68313E-05	0.000935366	0.000465693
2079 Feb	149.2426147	0.050075676	0.015071717	0.000998485	13.88010025	0.028746555	63.62789154	0.001741014	0.000947294	5.41112E-06	0.009285851	0.004865465	0.104699269	0.036145005	7.35973E-06	36.64713669	3.68363E-05	0.000935806	0.000465768
2079 Mar	149.4337463	0.050092805	0.01507633	0.000998831	13.88466167	0.028777227	63.73915863	0.001745035	0.000947537	5.41373E-06	0.009289258	0.004873932	0.104768798	0.036157995	7.36424E-06	36.68950272	3.68511E-05	0.000936533	0.000465975
2079 Apr	149.8768616	0.050185375	0.015103471	0.001000702	13.9100914	0.028856173	63.9633255	0.001752435	0.000949208	5.42473E-06	0.009306704	0.004891088	0.104998417	0.036224954	7.38025E-06	36.79299545	3.69212E-05	0.000938728	0.000466886
2079 May	150.7897644	0.050663576	0.015258692	0.001008083	14.05459309	0.029037574	64.20709991	0.001764261	0.000956419	5.46313E-06	0.009361262	0.004916701	0.105280541	0.036528669	7.42359E-06	37.07733154	3.71116E-05	0.000943416	0.000471464
2079 Jun	119.5716629	0.041519333	0.013503796	0.000978918	12.31338692	0.02586198	46.55277634	0.001523567	0.00094232	5.1974E-06	0.008568027	0.003782573	0.077310495	0.030481936	6.59087E-06	30.1975441	3.22367E-05	0.000736254	0.000390056
2079 Jul	117.1428528	0.038264863	0.012859434	0.000983446	11.65525055	0.025887169	46.11780167	0.001542013	0.000947909	5.22391E-06	0.008594482	0.003744007	0.076298133	0.029113127	6.59869E-06	29.21499825	3.22036E-05	0.000720665	0.000366681
2079 Aug	128.7250519	0.038444452	0.013000894	0.000994898	11.71825123	0.026820807	53.83642578	0.001621994	0.000955283	5.34714E-06	0.009010478	0.004196282	0.090397902	0.030721657	7.00034E-06	31.18403053	3.48478E-05	0.000810829	0.000382382
2079 Sep	132.3373413	0.039849136	0.012691305	0.000985065	11.60792351	0.027404122	56.8206749	0.00163348	0.000944353	5.32589E-06	0.00911718	0.004348377	0.096144371	0.030924985	7.09243E-06	31.6037693	3.55027E-05	0.000841654	0.000380203
2079 Oct	132.3564606	0.041476931	0.012415322	0.000979112	11.560462	0.027945049	57.10508347	0.001648301	0.000938295	5.2999E-06	0.009099587	0.004365589	0.095777124	0.030591927	7.06304E-06	31.5427227	3.51589E-05	0.0083682	0.00037385
2079 Nov	131.7233124	0.042550251	0.012263685	0.00097716	11.55395031	0.028265163	56.7883873	0.001650567	0.000936589	5.28815E-06	0.009083609	0.004347114	0.094860703	0.030357162	7.03425E-06	31.40498734	3.48561E-05	0.000829543	0.000369688
2079 Dec	130.7348785	0.043467119	0.012141149	0.000975724	11.55260754	0.028471228	56.22179031	0.001641356	0.00093565	5.27684E-06	0.009070711	0.004309108	0.093968876	0.030162822	7.00429E-06	31.19462585	3.45963E-05	0.000822078	0.000366106
2080 Jan	130.8353729	0.043478534	0.01214177	0.000975742	11.55405712	0.028487088	56.28346634	0.00164363	0.000935615	5.27746E-06	0.009071196	0.004313792	0.093996242	0.030166317	7.00582E-06	31.21682739	3.45986E-05	0.000822396	0.000366181
2080 Feb	131.0106659	0.043487363	0.012143845	0.000975822	11.55652809	0.028514277	56.3891449	0.001647892	0.000935605	5.27878E-06	0.009071744	0.004322072	0.094028205	0.030171301	7.00846E-06	31.25647163	3.46012E-05	0.000822885	0.000366315
2080 Mar	131.1786346	0.043492988	0.012144919	0.000975896	11.55806065	0.028540963	56.49203873	0.001652061	0.00093559	5.28005E-06	0.00907227	0.004330107	0.094058834	0.030174291	7.01101E-06	31.29382133	3.46034E-05	0.000823344	0.000366412
2080 Apr	131.5127563	0.043550182	0.012160315	0.000977164	11.57324791	0.028603697	56.66862106	0.001658423	0.000936715	5.28781E-06	0.009083945	0.004343763	0.09420687	0.030213317	7.02225E-06	31.37025261	3.46482E-05	0.000824826	0.000366944
2080 May	132.7008514	0.043931961	0.012270669	0.000985091	11.67806053	0.028849604	57.17975235	0.001675118	0.000944271	5.33121E-06	0.009155178	0.004384256	0.09491919	0.030473564	7.07931E-06	31.66314507	3.49176E-05	0.000831609	0.000370317

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Jun	116.1704178	0.03775496	0.011289276	0.000978362	10.5984354	0.027185816	47.98265076	0.001568492	0.000944403	5.23155E-06	0.008785971	0.003798467	0.08003182	0.026993088	6.67863E-06	27.90843582	3.25506E-05	0.000721069	0.000322513
2080 Jul	112.3077087	0.034336418	0.010755207	0.000982051	10.04063511	0.027157789	46.3482933	0.001584098	0.000949762	5.24361E-06	0.008702499	0.003703013	0.076287992	0.025573641	6.62058E-06	26.8267498	3.18954E-05	0.000690363	0.00030085
2080 Aug	120.3018036	0.034292813	0.010768424	0.000988099	10.06012058	0.028019892	51.77538681	0.001647736	0.000953315	5.32271E-06	0.008947231	0.004025163	0.085763842	0.026577963	6.88889E-06	28.18206406	3.34558E-05	0.000750148	0.000309835
2080 Sep	124.7530594	0.035082139	0.010602201	0.000981732	10.03181553	0.028646236	55.07101822	0.001674548	0.000945694	5.32184E-06	0.009041837	0.004208143	0.091630623	0.026984112	7.00494E-06	28.86032295	3.41033E-05	0.000784605	0.00031144
2080 Oct	126.4415817	0.036752641	0.010405342	0.00097516	10.02663422	0.029171981	56.39155579	0.001697941	0.000938565	5.30198E-06	0.009065161	0.004286879	0.093110688	0.026955541	7.01873E-06	29.12715912	3.41183E-05	0.000792604	0.000309286
2080 Nov	125.4259186	0.038410641	0.010249941	0.000972506	10.06131649	0.029521411	55.79193115	0.001687778	0.000936461	5.28432E-06	0.009052156	0.004246459	0.09209536	0.026759412	6.98008E-06	28.92635155	3.37749E-05	0.000784093	0.000305379
2080 Dec	125.5618668	0.038530782	0.010241531	0.000972434	10.06458855	0.029559264	55.88699341	0.001688859	0.000936357	5.28486E-06	0.009057846	0.004251885	0.092251934	0.026771329	6.98375E-06	28.9486351	3.37949E-05	0.000785002	0.00030538
2081 Jan	125.7261658	0.038541704	0.010242605	0.000972511	10.06644154	0.029585207	55.98782349	0.001692678	0.000936355	5.28614E-06	0.009058916	0.00425959	0.092295341	0.026776224	6.9865E-06	28.98464203	3.37998E-05	0.000785516	0.000305489
2081 Feb	125.8895416	0.03854809	0.010244062	0.000972563	10.06832409	0.029610815	56.0871048	0.001696724	0.000936332	5.28733E-06	0.009059294	0.004267378	0.09232296	0.026779737	6.98889E-06	29.02139854	3.38015E-05	0.000785957	0.000305598
2081 Mar	126.076416	0.038557108	0.010246079	0.00097274	10.07081699	0.029641695	56.199646	0.001701207	0.000936424	5.28925E-06	0.009060916	0.004276135	0.092365943	0.026785495	6.99233E-06	29.06284523	3.38079E-05	0.00078652	0.000305726
2081 Apr	126.523674	0.038644493	0.010269383	0.00097465	10.09412861	0.029728809	56.42928696	0.001709379	0.000938174	5.30075E-06	0.009078545	0.004293941	0.09257713	0.02684479	7.00858E-06	29.16616249	3.38746E-05	0.000788598	0.000306513
2081 May	124.6745758	0.041124038	0.011270343	0.000978811	10.99021912	0.029128205	53.17340469	0.00167236	0.000944794	5.29335E-06	0.008917101	0.004144481	0.08653383	0.028108418	6.88022E-06	29.73022842	3.30076E-05	0.000766792	0.000334572
2081 Jun	115.446579	0.041498445	0.012126448	0.000968607	11.63761711	0.027293416	45.38817978	0.001569712	0.000940317	5.17996E-06	0.008473217	0.003713478	0.072884455	0.028260667	6.4951E-06	28.87969017	3.0771E-05	0.00069403	0.000351631
2081 Jul	124.0633698	0.041927539	0.012346574	0.000992933	11.80979061	0.028443592	50.54069901	0.001690721	0.00096194	5.34836E-06	0.008815297	0.004061544	0.079899758	0.029268313	6.80912E-06	30.56519508	3.24718E-05	0.000746133	0.000362776
2081 Aug	137.5671997	0.042539954	0.01259484	0.001008924	11.96881199	0.029369824	59.30014038	0.001775654	0.000974408	5.5078E-06	0.009350138	0.004573483	0.09637288	0.031324197	7.29084E-06	32.9131279	3.57919E-05	0.000853244	0.000384082
2081 Sep	141.7711487	0.043006431	0.012508835	0.001008843	11.95906734	0.029942319	62.24258041	0.001814495	0.00097314	5.53524E-06	0.009466634	0.00474756	0.101177923	0.031707093	7.41544E-06	33.6023674	3.64859E-05	0.000883131	0.000386376
2081 Oct	143.1253662	0.04383551	0.012396347	0.001007086	11.94845867	0.030321574	63.23970032	0.001837925	0.000970927	5.5363E-06	0.009496448	0.00481111	0.102205098	0.031692225	7.44019E-06	33.82591248	3.65599E-05	0.000889298	0.000385014
2081 Nov	142.3470154	0.044690225	0.012225572	0.001002073	11.90436459	0.030494895	62.93582916	0.001830516	0.000966212	5.5094E-06	0.009468719	0.00478626	0.101640247	0.031446856	7.40242E-06	33.62185287	3.62891E-05	0.000883252	0.000380637
2081 Dec	142.3338623	0.044872198	0.012202668	0.001001849	11.90441132	0.030555697	62.94126892	0.001831968	0.000965994	5.50845E-06	0.009468862	0.004786918	0.101571172	0.031418636	7.40038E-06	33.61643982	3.62562E-05	0.000882634	0.000380075
2082 Jan	142.458374	0.044881266	0.012203165	0.001001857	11.90564442	0.030574283	63.01876831	0.00183473	0.000965953	5.50923E-06	0.009469615	0.004792725	0.101610802	0.031422794	7.40239E-06	33.64333725	3.62606E-05	0.000883054	0.00038016
2082 Feb	142.6235199	0.044889588	0.012205267	0.00100194	11.90813351	0.030600207	63.11790466	0.001838705	0.000965971	5.51061E-06	0.009470413	0.004800481	0.101643436	0.031428058	7.40505E-06	33.68061447	3.6264E-05	0.000883529	0.00038029
2082 Mar	142.7903595	0.044904679	0.01220915	0.001002226	11.91232204	0.030628642	63.21401215	0.001842431	0.000966196	5.51296E-06	0.009473129	0.004807963	0.101691887	0.03143819	7.40885E-06	33.71827316	3.62746E-05	0.000884104	0.000380462
2082 Apr	143.1711578	0.044971265	0.012226847	0.001003696	11.93016338	0.030700659	63.41429138	0.001849512	0.000967543	5.5221E-06	0.009487134	0.00482338	0.101869911	0.031484678	7.42208E-06	33.80517197	3.63285E-05	0.000885843	0.000381083
2082 May	144.347168	0.045293737	0.01231451	0.001010851	12.01611519	0.030943505	63.96257019	0.001866649	0.000974376	5.56242E-06	0.009554766	0.004865299	0.102619693	0.031710468	7.47706E-06	34.08070374	3.65878E-05	0.000892555	0.000383878
2082 Jun	117.7652359	0.035810862	0.010786345	0.000984676	10.26915455	0.027707612	49.50351334	0.00163376	0.000957137	5.31579E-06	0.00891551	0.003902814	0.081386805	0.026444267	6.79397E-06	27.94050026	3.29931E-05	0.000727571	0.000311175
2082 Jul	104.4925079	0.030142516	0.009912581	0.000982412	9.289896965	0.026590634	42.29306793	0.001572198	0.00095922	5.24926E-06	0.008604256	0.003452939	0.068850324	0.023366526	6.47828E-06	24.87247086	3.09417E-05	0.000634455	0.000268423
2082 Aug	113.6904831	0.030572359	0.010026054	0.000995037	9.409464836	0.027618181	48.19149399	0.001662571	0.000969525	5.368E-06	0.008917566	0.0038187	0.078446567	0.024542285	6.7902E-06	26.54595375	3.27515E-05	0.000698721	0.000280301
2082 Sep	118.6754608	0.031340376	0.010006795	0.000996502	9.45748806	0.028194699	51.52761841	0.001703435	0.000969808	5.40718E-06	0.0090744	0.004016881	0.084079996	0.025140865	6.94233E-06	27.41221809	3.36838E-05	0.000734837	0.000285634
2082 Oct	118.0763626	0.033695869	0.009659451	0.000978548	9.411249161	0.028574022	51.58658981	0.001692434	0.000952146	5.31985E-06	0.008986134	0.004005887	0.083767839	0.024788039	6.85232E-06	27.21762657	3.30899E-05	0.000728206	0.000279194
2082 Nov	118.9190216	0.033944547	0.009651413	0.000978873	9.424104691	0.028705994	52.13639832	0.001702581	0.000952248	5.32676E-06	0.009011266	0.004040684	0.084527515	0.024868617	6.8752E-06	27.37374878	3.3216E-05	0.000733321	0.000279905
2082 Dec	119.1457977	0.03395839	0.009653178	0.00097898	9.425392151	0.028720746	52.28736496	0.001704168	0.000952301	5.32872E-06	0.009019277	0.004049521	0.084797159	0.024899181	6.88252E-06	27.41261673	3.32679E-05	0.000735064	0.000280215
2083 Jan	119.300705	0.033965968	0.009653965	0.000979033	9.426819801	0.028744429	52.38326645	0.00170768	0.000952298	5.32994E-06	0.009020453	0.004056762	0.084844515	0.02490405	6.88521E-06	27.446064	3.32739E-05	0.000735579	0.000280316
2083 Feb	119.4416428	0.033975236	0.009656373	0.000979206	9.429553986	0.028768083	52.46614838	0.001710976	0.000952424	5.33164E-06	0.009022125	0.004063239	0.084879063	0.024910329	6.88807E-06	27.47773361	3.32803E-05	0.000736025	0.000280437
2083 Mar	119.6528397	0.033990279	0.009660275	0.000979591	9.433919907	0.028805267	52.58930206	0.001715793	0.000952741	5.33479E-06	0.009025883	0.004072804	0.084941708	0.024921281	6.8931E-06	27.5245533	3.32946E-05	0.000736749	0.000280618
2083 Apr	120.0614319	0.034061145	0.009680023	0.000981609	9.453764915	0.028890233	52.79932022	0.00172343	0.000954645	5.34682E-06	0.009044701	0.004089079	0.085146204	0.024973338	6.9096E-06	27.61659431	3.33644E-05	0.000738698	0.000281258
2083 May	120.945549	0.036183644	0.010480708	0.000984945	10.16234398	0.028515227	51.87417603	0.001697164	0.000959018	5.35445E-06	0.00900928	0.004057853	0.083934307	0.026352381	6.89003E-06	28.41975784	3.33177E-05	0.000742981	0.000306886
2083 Jun	108.4287491	0.036916923	0.0116163	0.000959773	11.00028229	0.025697973	41.66949463	0.001508208	0.000940241	5.13879E-06	0.008379783	0.003459607	0.067920804	0.026780996	6.34955E-06	27.14025879	3.04572E-05	0.00065538	0.00033185
2083 Jul	115.045166	0.035559621	0.01143457	0.000967218	10.77387714	0.026292946	46.50999832	0.001581268	0.000946295	5.2255E-06	0.008633737	0.003747396	0.075945921	0.027208326	6.59868E-06	28.08169174	3.20318E-05	0.000704444	0.000332689
2083 Aug	126.184288	0.034823649	0.011283729	0.000966424	10.6547823	0.02719737	54.53099442	0.001638222	0.000943332	5.30009E-06	0.008971344	0.004196283	0.091345787	0.028638791	6.97672E-06	29.78915215	3.44519E-05	0.000796674	0.000344029
2083 Sep	130.5808716	0.036243293	0.011058758	0.000958273	10.60191727	0.027674232	57.89366913	0.001646988	0.000934451	5.29263E-06	0.009122727	0.004369339	0.098148428	0.029112449	7.10179E-06	30.38410378	3.54207E-05	0.000835284	0.000345767
2083 Oct	127.7434235	0.039417684	0.01061062	0.000946188	10.56042385	0.02830446	56.45441818	0.001621897	0.000923154	5.21982E-06	0.009035631	0.004268277	0.095486708	0.02841226	6.97646E-06	29.75520515	3.44535E-05	0.000812111	0.000333538
2083 Nov	126.2966537	0.040943231	0.010437422	0.000943251	10.56964779	0.028607761	55.62342834	0.001606491	0.000920659	5.19754E-06	0.009011946	0.004211557	0.094198212	0.028141355	6.92722E-06	29.45300102	3.40524E-05	0.000801249	0.000328528
2083 Dec	126.5366364	0.040958837	0.010437237	0.000943295	10.57036304	0.028632177	55.78182602	0.001609603	0.000920641	5.19932E-06	0.009017801	0.004221716	0.09440735	0.028162299	6.93349E-06	29.4971981	3.40895E-05	0.000802699	0.000328752
2084 Jan	126.7138138	0.040965747	0.010437545	0.000943316	10.57163525	0.028661408	55.89136887	0.001614067	0.000920603	5.20057E-06	0.009018229	0.004230263	0.094437823	0.028164165	6.93607E-06	29.53635597	3.40908E-05	0.000803166	0.000328834
2084 Feb	126.8933258	0.040971443	0.010438943	0.000943371	10.57355404	0.028690021	56.00068283	0.001618496	0.000920604	5.202E-06	0.009018919	0.004238809	0.094471104	0.028167978	6.93887E-06	29.57641983	3.40937E-05	0.000803662	0.000328947
2084 Mar	127.1151123	0.040989187	0.010443287	0.000943745	10.57850552	0.028728506	56.12966537	0.001623476	0.000920916	5.2052E-06	0.009022745	0.004248803	0.094538338	0.028180417	6.94406E-06	29.6258297	3.41084E-05	0.000804433	0.000329153
2084 Apr	127.6867371	0.041117571	0.010475747	0.000946689	10.61197567	0.028845878	56.41444778	0.001632973	0.000923734	5.2226E-06	0.009051201	0.004270568	0.094865255	0.028269172	6.96825E-06	29.75641251	3.42164E-05	0.000807409	0.000330247
2084 May	125.8640137	0.043625921	0.011563974	0.000953854	11.55309772	0.028220391	53.06384277	0.00159188	0.000932597	5.22489E-06	0.008903501	0.004115629	0.088900469	0.029642345	6.84966E-06	30.35486412	3.34204E-05	0.000786765	0.000360003
2084 Jun	111.211647	0.04326158	0.012590499	0.000939371	12.22970581	0.025668982	41.49077606	0.001446533	0.00092323	5.04489E-06	0.008220941	0.003466108	0.068376713	0.029220052	6.26253E-06	28.66966248	2.99055E-05	0.00067215	0.000374027
2084 Jul	119.025795	0.042468399	0.012531773	0.000952318	12.13180637	0.026528945	46.76670074	0.001551097	0.000934636	5.16366E-06	0.008507055	0.003800642	0.076082177	0.029820869	6.54092E-06	29.97361946	3.15293E-05	0.000723289	0.000378231
2084 Aug	130.9359894	0.042440068	0.012542693	0.000956304	12.12806606	0.027217047	54.94350052	0.001608674	0.000936607	5.26397E-06	0.008941569	0.004259587	0.092073359	0.031520966	6.95332E-06	31.89018822	3.44516E-05	0.000822816	0.000394028
2084 Sep	134.7502899	0.042805526	0.012332907	0.000950538	12.0346384	0.027692191	57.89609909	0.001631376	0.000930152	5.2652E-06	0.009040376	0.004420166	0.097460374	0.031791858	7.06159E-06	32.40671921	3.51257E-05	0.00085361	0.000393832
2084 Oct	133.1313171	0.044685315	0.011976338	0.000942734	11.94491196	0.028114313	57.25967026	0.001613511	0.000922741	5.22086E-06	0.009009453	0.00436603	0.09653724	0.0312985	6.99806E-06	31.962183	3.46516E-05	0.0008422	0.000384377
2084 Nov	132.4492035	0.045424316	0.011856385	0.000940845	11.92459297	0.028293598	56.93050766	0.001607789	0.000921013	5.20847E-06	0.008999062	0.004342136	0.095987536	0.031115597	6.97442E-06	31.79589272	3.44537E-05	0.000836938	0.000380957
2084 Dec	132.6176147	0.04543921	0.011857381	0.000940974	11.92614937	0.028309884	57.03985596	0.001609526	0.000921108	5.2102E-06	0.009004584	0.004348919	0.096157208	0.031135151	6.97962E-06	31.82637978	3.44866E-05	0.000838082	0.000381159
2085 Jan	132.7442932	0.045441344	0.011857228	0.000940914	11.92607403	0.028320324	57.12434769	0.001611232	0.000921021	5.21077E-06	0.00900688	0.004354373	0.096262306	0.031145308	6.9825E-06	31.84996605	3.4504E-05	0.000838822	0.000381281
2085 Feb	132.8934479	0.045446131	0.011858503	0.00094096	11.9277029	0.028342864	57.21559525	0.001614695	0.000921029	5.21199E-06	0.009007849	0.004361359	0.096301846	0.031150062	6.98504E-06	31.88271904	3.4509E-05	0.000839294	0.000381388
2085 Mar	133.0801849	0.045453083	0.011860141	0.000941085	11.9299202	0.028373517	57.32870102	0.001619188	0.000921105	5.21383E-06	0.009009365	0.004370142	0.096344896	0.031155294	6.98842E-06	31.92396545	3.45151E-05	0.000839855	0.000381508
2085 Apr	133.4414215	0.045528058	0.011879522	0.00094263	11.94991207	0.028442897	57.51215744	0.001625464	0.000922579	5.22337E-06	0.009024455	0.004384253	0.096529104	0.03120715	7.00198E-06	32.00749207	3.45731E-05	0.000841614	0.000382189
2085 May	131.7445374	0.047242928	0.012661159	0.000948377	12.61655521	0.027960936	54.85288239	0.001593127	0.000929501	5.22494E-06	0.008911561	0.004257836	0.091842674	0.032139741	6.90849E-06	32.36286926	3.3948E-05	0.000824101	0.000402929
2085 Jun	127.0947723	0.049343005	0.013880916	0.000949551	13.61518574	0.026910437	49.37763596	0.001548949	0.00093924	5.17741E-06	0.008575573	0.00399664	0.080798201	0.033157315	6.64576E-06	32.64434433	3.21804E-05	0.000775019	0.000432467
2085 Jul	137.1763306	0.04954062	0.014007105	0.00096435	13.72669125	0.027937092	55.8174324	0.001652393	0.000946007	5.31645E-06	0.008933967	0.004399484	0.091126889	0.034443717	6.99374E-06	34.48259735	3.42626E-05	0.000844803	0.000445906
2085 Aug	147.3187561	0.04860438	0.013723152	0.000956032	13.48271751	0.028386751	63.49628448	0.001675593	0.000936275	5.35243E-06	0.00927295	0.004801699	0.10717874	0.035682559	7.34086E-06	35.84392548	3.68345E-05	0.000938132	0.000453695
2085 Sep	149.0345306	0.049314305	0.013203016	0.000942839	13.21897602	0.02897808	65.5377121	0.001683681	0.000922828	5.30907E-06	0.009298831	0.004895889	0.110952482	0.035335373	7.373E-06	35.81774902	3.69649E-05	0.000953903	0.000443485
2085 Oct	148.2454681	0.050550327	0.012830561	0.000933977	13.0632515	0.029348901	65.54013062	0.001682778	0.000914083	5.26625E-06	0.009271433	0.004884088	0.110638656	0.034813836	7.32602E-06	35.49827957	3.66207E-05	0.000946865	0.00043383
2085 Nov	147.1091309	0.051177666	0.012651442	0.000929934	12.99140263	0.029466623	65.03746033	0.001671194	0.000910259	5.24149E-06	0.009245237	0.004845296	0.109898299	0.034509234	7.28607E-06	35.20309067	3.63543E-05	0.000939234	0.000428515
2085 Dec	147.2555542	0.051189158	0.012650308	0.000929957	12.99145794	0.029483294	65.13491821	0.001673198	0.000910253	5.24261E-06	0.00924887	0.004851575	0.110023268	0.034520481	7.2899E-06	35.22975922	3.63763E-05	0.000940097	0.000428625
2086 Jan	147.4242096	0.051193941	0.012650208	0.000929953	12.99225521	0.029510327	65.24035645	0.001677355	0.000910207	5.24376E-06	0.009249429	0.004859694	0.110059187	0.034522317	7.29243E-06	35.26642609	3.63788E-05	0.000940571	0.000428697
2086 Feb	147.5931396	0.051196922	0.012651052	0.000929959	12.9936018	0.029537085	65.34415436	0.001681611	0.000910174	5.24496E-06	0.009249744	0.004867826	0.110086806	0.034524605	7.29487E-06	35.30404663	3.63801E-05	0.000941015	0.000428789
2086 Mar	147.7882538	0.051206563	0.01265339	0.000930116	12.99654865	0.029569084	65.46110535	0.001686187	0.000910288	5.24703E-06	0.009251687	0.004876886	0.110136211	0.034531835	7.2986E-06	35.34731674	3.6388E-05	0.00094163	0.000428936
2086 Apr	148.3003998	0.051321145	0.012681561	0.000932196	13.02610779	0.029664218	65.72117615	0.001694554	0.000912281	5.26004E-06	0.009272819	0.004896613	0.11041636	0.034610007	7.31762E-06	35.46590042	3.64714E-05	0.000944222	0.000429964
2086 May	148.5284119	0.052023172	0.012973977	0.000939746	13.28093719	0.029685246	65.25379181	0.001695242	0.000920042	5.29253E-06	0.009293983	0.004883933	0.109548062	0.035041295	7.33152E-06	35.73996735	3.6493E-05	0.000943571	0.000437905
2086 Jun	125.0697556	0.046565689	0.012868944	0.000932122	12.75491905	0.026710518	50.08765793	0.001508362	0.00091742	5.10902E-06	0.008588853	0.003968894	0.084260084	0.031782463	6.63957E-06	31.39545059	3.24288E-05	0.000778197	0.000404844
2086 Jul	128.5634003	0.043860279	0.0124976	0.000946947	12.29759216	0.027189655	53.10708618	0.001583778	0.00093175	5.21824E-06	0.008821842	0.004153273	0.08871235	0.031388182	6.84045E-06	31.62251472	3.36235E-05	0.000802801	0.000394062
2086 Aug	141.2880249	0.043408796	0.012387178	0.000946677	12.20662212	0.027911348	62.09117508	0.001641119	0.00092984	5.3083E-06	0.009262066	0.004651191	0.10638997	0.033110049	7.27601E-06	33.59062958	3.66991E-05	0.000910679	0.00040888
2086 Sep	144.3647614	0.043888841	0.012009352	0.000937113	12.0430727	0.028575648	64.80388641	0.001657813	0.000919905	5.28961E-06	0.009317879	0.004790751	0.111416824	0.033114903	7.35679E-06	33.89256287	3.70568E-05	0.000936498	0.000403733
2086 Oct	145.2510071	0.044753503	0.011874916	0.000935093	12.01863575	0.028889017	65.54284668	0.001668222	0.000917769	5.28756E-06	0.009353908	0.004831808	0.112501986	0.033082649	7.37728E-06	33.99549866	3.71569E-05	0.000941921	0.000401719
2086 Nov	145.6673279	0.044831295	0.011885537	0.000936139	12.03206062	0.028944883	65.78896332	0.001672457	0.000918757	5.29527E-06	0.009372386	0.004847571	0.112905286	0.033146013	7.39298E-06	34.07670593	3.72484E-05	0.000944763	0.000402404
2086 Dec	145.9102631	0.04483898	0.011885549	0.000936181	12.03264713	0.028969282	65.94818115	0.001675866	0.000918755	5.29716E-06	0.009377907	0.004857974	0.113102928	0.033165887	7.39919E-06	34.1221962	3.72838E-05	0.000946169	0.000402629
2087 Jan	146.09375	0.044841845	0.011885398	0.000936176	12.03328514	0.028997639	66.0635376	0.001680263	0.000918711	5.29843E-06	0.009378761	0.004866755	0.11315003	0.033168569	7.4021E-06	34.16157913	3.72885E-05	0.000946724	0.000402711
2087 Feb	146.2850189	0.044848319	0.011887013	0.000936277	12.03551102	0.029028758	66.17955017	0.001684866	0.000918775	5.30026E-06	0.009380199	0.00487576	0.113193706	0.033173833	7.40549E-06	34.20384598	3.72943E-05	0.000947296	0.000402835
2087 Mar	146.5226593	0.044869617	0.011892502	0.000936709	12.04167557	0.029069476	66.31625366	0.00168995	0.000919164	5.30392E-06	0.009384958	0.004886262	0.113276973	0.033190221	7.41144E-06	34.25678635	3.73134E-05	0.000948187	0.000403089
2087 Apr	146.8627167	0.044920027	0.01190567	0.00093776	12.05565166	0.029130366	66.50060272	0.001696297	0.000920159	5.31113E-06	0.009395963	0.004900277	0.113436863	0.033228308	7.42239E-06	34.33342361	3.73573E-05	0.000949722	0.000403605

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 May	144.6504517	0.04608861	0.012421595	0.000941813	12.49475002	0.028774004	63.9956131	0.001670795	0.000924961	5.30508E-06	0.009284859	0.004775295	0.10884615	0.033678439	7.32445E-06	34.39060211	3.66785E-05	0.000928816	0.00041565
2087 Jun	130.3992615	0.047564965	0.013703322	0.000941845	13.45770931	0.026741855	52.0471077	0.001537746	0.000928473	5.18384E-06	0.008675288	0.004123346	0.087352395	0.033627033	6.77558E-06	33.00133133	3.31762E-05	0.000812139	0.000435276
2087 Jul	136.93573	0.047210012	0.013690454	0.000953953	13.45752907	0.02768789	56.31103897	0.001631751	0.000939655	5.29014E-06	0.008888789	0.004403582	0.09314654	0.034201339	7.0039E-06	34.17937469	3.43037E-05	0.000851716	0.00044016
2087 Aug	148.8124084	0.047340196	0.013747697	0.000962869	13.52040291	0.02858009	64.20595551	0.001715837	0.000947148	5.41608E-06	0.009316247	0.004867417	0.107463062	0.035836264	7.41287E-06	36.20733643	3.70173E-05	0.000943718	0.000456259
2087 Sep	154.3291931	0.048070159	0.013679582	0.000965828	13.53804779	0.029213255	67.94306183	0.001762383	0.000949436	5.46988E-06	0.009517462	0.005088136	0.113874853	0.036455251	7.5946E-06	37.12791061	3.81671E-05	0.00098436	0.000461108
2087 Oct	154.2803802	0.048955627	0.013473568	0.00096212	13.46848202	0.029517168	68.17168427	0.001766894	0.000945741	5.45449E-06	0.00952202	0.005096633	0.114031956	0.036214557	7.58353E-06	37.02733231	3.80469E-05	0.000982777	0.000456127
2087 Nov	153.6203766	0.049398858	0.013384859	0.000960946	13.44363689	0.02961077	67.83933258	0.001759828	0.000944678	5.44531E-06	0.009514289	0.005072309	0.113580152	0.036064666	7.56465E-06	36.86605835	3.79075E-05	0.000978395	0.000453378
2087 Dec	153.8546295	0.04940401	0.013383653	0.000960901	13.44278431	0.02962365	68.00033569	0.001761564	0.000944603	5.44676E-06	0.009521727	0.005081688	0.113859758	0.036092326	7.57171E-06	36.90489578	3.7959E-05	0.000980178	0.000453646
2088 Jan	154.0454712	0.04940797	0.013383654	0.000960896	13.44349957	0.029649824	68.1216507	0.001765563	0.000944565	5.44811E-06	0.009523586	0.005090525	0.11394003	0.036099158	7.57526E-06	36.9444313	3.79705E-05	0.000980913	0.000453764
2088 Feb	154.1835022	0.049411036	0.013384479	0.000960909	13.44475555	0.029671595	68.20624542	0.001768966	0.000944554	5.44915E-06	0.00952407	0.005097115	0.113966525	0.036101781	7.57738E-06	36.97505569	3.79727E-05	0.000981296	0.000453846
2088 Mar	154.4242249	0.0494355	0.013390987	0.000961366	13.45189095	0.029712608	68.34280396	0.001774035	0.000944973	5.45296E-06	0.009529052	0.00510764	0.114051178	0.036120284	7.58349E-06	37.02929688	3.79926E-05	0.000982211	0.000454133
2088 Apr	155.2494965	0.049652845	0.013449887	0.000965521	13.51154804	0.029866086	68.73464966	0.001785671	0.00094903	5.47766E-06	0.009570527	0.005137292	0.114569053	0.036278933	7.61854E-06	37.22470856	3.8158E-05	0.00098687	0.000456189
2088 May	156.7960815	0.050273985	0.013629123	0.000974729	13.68666363	0.030143054	69.33090973	0.001803888	0.000958101	5.52927E-06	0.009653297	0.005186155	0.115429178	0.036694612	7.68645E-06	37.64134598	3.84806E-05	0.000995793	0.000462063
2088 Jun	134.5915222	0.043187045	0.012530727	0.000970412	12.3496933	0.028084401	56.80088043	0.001660241	0.000956911	5.38632E-06	0.009144669	0.004393014	0.094881915	0.032114755	7.12909E-06	32.68429184	3.51605E-05	0.000845057	0.000399805
2088 Jul	135.8788452	0.041547503	0.012347737	0.000988142	12.10043526	0.028490141	57.88318253	0.001715127	0.000974583	5.48942E-06	0.009312848	0.004471718	0.095942482	0.031736825	7.25486E-06	32.71266556	3.5802E-05	0.000851172	0.000391635
2088 Aug	148.8258667	0.042252563	0.01256048	0.00100631	12.30707264	0.029509407	66.11608124	0.001804834	0.000991433	5.665E-06	0.009841011	0.004961041	0.111198388	0.033742115	7.72883E-06	35.02054596	3.89423E-05	0.000951733	0.000412653
2088 Sep	153.0470886	0.042803325	0.012549287	0.001010153	12.35553455	0.030058052	68.86338043	0.001849194	0.000994806	5.7134E-06	0.009983261	0.005131297	0.11549221	0.034214385	7.86442E-06	35.77894211	3.97168E-05	0.000980251	0.000416923
2088 Oct	148.6768341	0.045219067	0.012038408	0.000994863	12.20302486	0.030427191	66.62368774	0.001809365	0.000980126	5.6149E-06	0.009834582	0.004976298	0.111606769	0.033214815	7.68907E-06	34.80031967	3.84882E-05	0.000947542	0.000400955
2088 Nov	147.680603	0.045940656	0.011929737	0.000992918	12.18824482	0.030575812	66.06794739	0.001801188	0.000978328	5.59959E-06	0.009811307	0.004939528	0.110649258	0.033004012	7.65442E-06	34.58827209	3.82145E-05	0.000939811	0.000397419
2088 Dec	147.8646393	0.045953713	0.011930265	0.000993011	12.1895237	0.030591018	66.1889267	0.001802863	0.000978401	5.60133E-06	0.009817462	0.004946867	0.110847354	0.03302642	7.66017E-06	34.62083817	3.82527E-05	0.000941122	0.000397649
2089 Jan	148.0049591	0.04595913	0.011930588	0.000993019	12.19063282	0.030613763	66.27570343	0.001806278	0.000978386	5.60239E-06	0.009818106	0.004953561	0.11087817	0.033028904	7.66239E-06	34.651577	3.82554E-05	0.000941526	0.000397722
2089 Feb	148.1575928	0.04596439	0.011932017	0.000993071	12.19254494	0.030638387	66.36799622	0.001809998	0.000978416	5.60374E-06	0.009818966	0.004960773	0.110908702	0.033032928	7.66492E-06	34.68567276	3.82588E-05	0.000941962	0.000397825
2089 Mar	148.393219	0.045992687	0.011939333	0.000993653	12.20053196	0.030680148	66.49009973	0.001814794	0.000978966	5.60811E-06	0.009825147	0.004970856	0.111001141	0.033053901	7.67165E-06	34.73869705	3.82831E-05	0.000942916	0.000398128
2089 Apr	148.9475861	0.046118848	0.011972051	0.000996348	12.23448849	0.030787669	66.7735672	0.001823529	0.000981598	5.62444E-06	0.009852231	0.004991665	0.111330144	0.033145204	7.69475E-06	34.86630249	3.83888E-05	0.000945884	0.000399278
2089 May	145.9676208	0.047728755	0.012697535	0.000999628	12.84764671	0.030232431	63.38870621	0.001782392	0.00098573	5.60415E-06	0.009684331	0.004819948	0.105296008	0.03382222	7.55328E-06	34.95986176	3.74434E-05	0.000918666	0.000416783
2089 Jun	135.9215698	0.050720446	0.014359822	0.000993157	14.18864155	0.028338494	53.61111069	0.001666569	0.000981724	5.46857E-06	0.009079961	0.004309162	0.087155506	0.034872323	7.05983E-06	34.6572876	3.42933E-05	0.000829404	0.000453839
2089 Jul	145.5594482	0.050403621	0.01435288	0.001002816	14.18883038	0.02918634	60.08197403	0.00174652	0.000990493	5.5856E-06	0.009429788	0.004695152	0.098518759	0.036090106	7.40317E-06	36.28012848	3.64567E-05	0.000902073	0.000465083
2089 Aug	156.1500397	0.050161563	0.014328571	0.001009949	14.18904877	0.030013517	67.28728485	0.001814932	0.000996691	5.69705E-06	0.009812188	0.005111942	0.111969911	0.037535783	7.77944E-06	38.02270889	3.89166E-05	0.000986421	0.000478331
2089 Sep	160.0546112	0.050847031	0.014125681	0.001005855	14.1062727	0.030386267	70.2674942	0.00182846	0.000992305	5.70816E-06	0.009965494	0.005268242	0.117947966	0.037918292	7.90695E-06	38.53401566	3.9876E-05	0.001020656	0.000479355
2089 Oct	158.2632904	0.052581772	0.013428926	0.000984748	13.76481915	0.030779593	70.20220947	0.001808631	0.00097144	5.60419E-06	0.009886874	0.005230698	0.11785952	0.036959905	7.80337E-06	37.82933044	3.92715E-05	0.001009373	0.000461709
2089 Nov	158.6305542	0.052923642	0.013362323	0.000983957	13.74817657	0.030949308	70.51139069	0.001817959	0.000970606	5.60395E-06	0.00989592	0.00525067	0.118083008	0.036900945	7.80895E-06	37.87661743	3.92621E-05	0.001010391	0.000460325
2089 Dec	158.8203583	0.052938841	0.013363499	0.000984108	13.75023556	0.030968139	70.63329315	0.001820051	0.000970737	5.60601E-06	0.009902027	0.005258346	0.118265815	0.036922749	7.81479E-06	37.91163254	3.9298E-05	0.001011644	0.000460558
2090 Jan	158.9581604	0.052947067	0.013364697	0.000984184	13.7520895	0.030989148	70.71744537	0.00182299	0.000970796	5.60737E-06	0.009903779	0.005264626	0.118317381	0.036929339	7.81759E-06	37.94123459	3.93065E-05	0.001012156	0.000460668
2090 Feb	159.1353912	0.052954871	0.013366763	0.000984289	13.7547245	0.03101795	70.82374573	0.001827191	0.000970878	5.60915E-06	0.009905291	0.00527289	0.118358992	0.036935508	7.82083E-06	37.98072815	3.93127E-05	0.001012698	0.000460801
2090 Mar	159.3713837	0.052978601	0.013372743	0.000984712	13.76146221	0.031058127	70.95830536	0.001832175	0.000971273	5.61282E-06	0.009910103	0.005283242	0.118442126	0.036953099	7.82676E-06	38.03372192	3.9332E-05	0.001013592	0.000461074
2090 Apr	159.7941742	0.053064741	0.013394423	0.000986307	13.78437805	0.031134987	71.1758728	0.001839289	0.000972824	5.62314E-06	0.0099267	0.005299766	0.118665501	0.03701422	7.84197E-06	38.1312027	3.9398E-05	0.001015681	0.000461887
2090 May	160.9671173	0.053465027	0.013552375	0.000990868	13.92356491	0.031236516	71.62052155	0.001850797	0.000977355	5.65046E-06	0.009970187	0.005335979	0.11926686	0.037357785	7.88125E-06	38.46442795	3.96122E-05	0.001022474	0.000467288
2090 Jun	135.909729	0.047902666	0.013438499	0.000965065	13.33860874	0.02761334	55.74596786	0.001610185	0.00095504	5.35912E-06	0.009115735	0.0043502	0.093876399	0.034030337	7.07751E-06	33.76716995	3.51555E-05	0.00085302	0.000434481
2090 Jul	140.1329193	0.046249695	0.013211442	0.000975653	13.06154346	0.027980169	59.02469635	0.001658582	0.000965355	5.44896E-06	0.00935742	0.004538438	0.099843606	0.034153022	7.28479E-06	34.2221489	3.65273E-05	0.000887821	0.000431185
2090 Aug	147.3222351	0.045056269	0.012675517	0.000960243	12.71397972	0.028625522	65.07152557	0.001667446	0.000949508	5.43685E-06	0.009529648	0.004841418	0.112656742	0.034725066	7.52081E-06	34.98843384	3.80229E-05	0.000957138	0.000429373
2090 Sep	148.0158386	0.046381135	0.012127994	0.000944364	12.47364807	0.029203888	66.41825867	0.001667573	0.000933639	5.3735E-06	0.009516254	0.004894799	0.11505878	0.034247614	7.50652E-06	34.80640411	3.78658E-05	0.000964066	0.000417961
2090 Oct	144.4809418	0.04942226	0.011452773	0.000928476	12.25669956	0.030045686	64.86692047	0.00166823	0.000918064	5.28053E-06	0.009375183	0.004795525	0.110792533	0.032956257	7.33595E-06	33.95592499	3.64888E-05	0.000929164	0.000397204
2090 Nov	143.3859253	0.050290223	0.011246194	0.000923209	12.185112	0.030280828	64.39321136	0.001668166	0.000912892	5.25009E-06	0.00932818	0.004765004	0.109482303	0.032555971	7.2818E-06	33.69152069	3.60623E-05	0.000918439	0.00039085
2090 Dec	143.5735626	0.050306607	0.011245564	0.000923264	12.18583202	0.030294234	64.51954651	0.001669425	0.000912933	5.25171E-06	0.00933513	0.004772321	0.109711371	0.032580666	7.28795E-06	33.72296906	3.6106E-05	0.000919899	0.000391085
2091 Jan	143.7061005	0.050310709	0.011245795	0.000923236	12.18645763	0.030307531	64.6054306	0.001671475	0.000912891	5.25254E-06	0.009337409	0.00477809	0.109805055	0.032590587	7.29092E-06	33.74881363	3.61218E-05	0.0009206	0.000391214
2091 Feb	143.8726959	0.050312608	0.011246645	0.000923214	12.18768978	0.030331491	64.7088623	0.001675332	0.00091285	5.25367E-06	0.00933819	0.004785948	0.109850757	0.032595091	7.29357E-06	33.78503036	3.61269E-05	0.00092113	0.000391323
2091 Mar	144.1555634	0.050352104	0.011255636	0.000923912	12.19796562	0.030382069	64.86550903	0.001680933	0.00091352	5.25895E-06	0.009345843	0.004797935	0.109967627	0.032622013	7.30176E-06	33.84880447	3.61569E-05	0.000922307	0.000391705
2091 Apr	144.7867584	0.050511025	0.011291205	0.000926816	12.2371273	0.030506207	65.18009949	0.001690688	0.000916372	5.27683E-06	0.009375831	0.004821616	0.110347398	0.032726239	7.32746E-06	33.99411774	3.62732E-05	0.000925692	0.000393013
2091 May	145.0325623	0.051381323	0.011704479	0.000934897	12.583992	0.030484615	64.49303436	0.001695949	0.000924606	5.30928E-06	0.009373044	0.004805152	0.108700953	0.0332736	7.32744E-06	34.38323593	3.6177E-05	0.000922511	0.000404006
2091 Jun	130.3721161	0.049715355	0.012686316	0.000934048	13.05560017	0.028015615	53.17374802	0.001565773	0.000925831	5.18555E-06	0.008790798	0.004169798	0.088789441	0.032561392	6.80726E-06	32.50632095	3.30966E-05	0.000809695	0.00041199
2091 Jul	140.5229187	0.049712542	0.012798838	0.000953013	13.14357662	0.028996795	59.61434937	0.001673775	0.000944055	5.35039E-06	0.009205403	0.004573479	0.099239141	0.033819821	7.18197E-06	34.3275795	3.54177E-05	0.000880784	0.00042469
2091 Aug	149.2375946	0.048897304	0.012511689	0.000946176	12.94700623	0.029496791	66.2014389	0.001694974	0.000936708	5.38624E-06	0.009490746	0.004919284	0.113016285	0.034876868	7.48431E-06	35.50245285	3.75446E-05	0.000960727	0.000430888
2091 Sep	152.3917847	0.048897102	0.01218912	0.000939537	12.79437065	0.030166326	68.84672546	0.001725934	0.000929858	5.38297E-06	0.009537964	0.005065938	0.117367908	0.034860253	7.56918E-06	35.86991501	3.78437E-05	0.000984058	0.000426276
2091 Oct	150.5048218	0.050523352	0.011767397	0.000928908	12.62969875	0.030531133	68.17871094	0.001713364	0.000919404	5.32386E-06	0.009480119	0.005010777	0.115994394	0.034178216	7.48436E-06	35.33811569	3.726E-05	0.000969236	0.000414418
2091 Nov	147.215332	0.052193731	0.011436425	0.000923268	12.53356075	0.030844815	66.37766266	0.001687498	0.00091406	5.27687E-06	0.009404826	0.004891442	0.11292138	0.033462241	7.37552E-06	34.61605835	3.64574E-05	0.000944501	0.000402846
2091 Dec	147.2345734	0.052287251	0.011424962	0.000923301	12.53312874	0.030874576	66.39961243	0.001687689	0.00091494	5.27728E-06	0.009408437	0.004892376	0.112965308	0.033456132	7.37673E-06	34.61471558	3.64605E-05	0.000944624	0.000402609
2092 Jan	147.3626709	0.052289046	0.011424773	0.000923217	12.53296089	0.030878106	66.48769379	0.00168839	0.00091403	5.27781E-06	0.009412346	0.004897379	0.113127016	0.033473507	7.38047E-06	34.63600922	3.64899E-05	0.00094565	0.000402793
2092 Feb	147.4336548	0.052297205	0.011427198	0.000923292	12.53536224	0.030885542	66.52887726	0.001689364	0.00091473	5.27864E-06	0.009414086	0.004900225	0.11317578	0.033482905	7.38237E-06	34.65130997	3.65E-05	0.000946044	0.000402925
2092 Mar	147.6388245	0.052347839	0.011438554	0.00092415	12.54791069	0.030924849	66.63183594	0.00169262	0.00091495	5.28405E-06	0.009422991	0.004908019	0.113291979	0.033515692	7.39023E-06	34.69895935	3.65346E-05	0.000947106	0.000403349
2092 Apr	148.128952	0.052485771	0.011468824	0.000926568	12.58142471	0.031022385	66.87026978	0.001699652	0.000917299	5.29866E-06	0.009447979	0.004925857	0.113607414	0.033604704	7.41115E-06	34.81263733	3.66316E-05	0.000949865	0.000404456
2092 May	148.5771027	0.053288661	0.011939305	0.000932505	12.95334721	0.030804979	66.28688812	0.00169366	0.00092342	5.32103E-06	0.009445738	0.004909804	0.112589106	0.034314737	7.41212E-06	35.25019836	3.66655E-05	0.0009508	0.000418098
2092 Jun	122.883934	0.046354499	0.012231137	0.000912685	12.47465897	0.026488265	49.45273209	0.001459494	0.000906312	5.04535E-06	0.008551157	0.003889739	0.084832758	0.031201925	6.58064E-06	30.66179276	3.2226E-05	0.000772968	0.000393252
2092 Jul	126.5432663	0.042812366	0.011683696	0.00091329	11.82024097	0.026493222	53.14278412	0.00150852	0.000906713	5.09206E-06	0.008748942	0.004086128	0.091434106	0.030728992	6.76044E-06	30.72001648	3.36255E-05	0.000806643	0.000380482
2092 Aug	136.9758301	0.043203976	0.011767385	0.000923858	11.93410397	0.027292321	59.94763184	0.001575582	0.000916673	5.21736E-06	0.00915631	0.00448389	0.104210585	0.032286014	7.13554E-06	32.52404022	3.61199E-05	0.000889193	0.000396043
2092 Sep	142.2331696	0.043503206	0.011620689	0.000921115	11.8873558	0.027883368	63.68408203	0.001623892	0.000913587	5.24497E-06	0.009296327	0.004703775	0.110291041	0.032738339	7.28672E-06	33.36865234	3.70237E-05	0.00092689	0.000398786
2092 Oct	145.1162567	0.044191319	0.011437561	0.000915216	11.81756306	0.028291434	65.86843109	0.00165891	0.000907477	5.24035E-06	0.009356841	0.004833849	0.113285527	0.032818366	7.34636E-06	33.80670166	3.73992E-05	0.000944779	0.000397906
2092 Nov	145.701416	0.044409115	0.011393527	0.000914114	11.80442142	0.028380573	66.32238007	0.001663271	0.00090634	5.23986E-06	0.009376029	0.004858862	0.114056192	0.032849472	7.36148E-06	33.8862114	3.75062E-05	0.000949139	0.000397717
2092 Dec	145.8773346	0.04442621	0.011394994	0.000914305	11.80714226	0.028404297	66.43138885	0.001666002	0.000906517	5.24205E-06	0.009380791	0.004866298	0.114180826	0.032865357	7.36642E-06	33.92115784	3.7531E-05	0.00095084	0.000397902
2093 Jan	145.9980774	0.044429146	0.011394934	0.000914269	11.80754948	0.028417844	66.50947571	0.001668102	0.000906472	5.24278E-06	0.009382474	0.004871686	0.114254273	0.032872524	7.36891E-06	33.94514084	3.75427E-05	0.00095066	0.000398002
2093 Feb	146.1508789	0.044434201	0.011396392	0.000914319	11.80942249	0.028440239	66.60282135	0.001671452	0.000906509	5.24416E-06	0.009383989	0.004878716	0.114305578	0.032879125	7.3718E-06	33.97827148	3.75506E-05	0.000951201	0.000398125
2093 Mar	146.526886	0.044493824	0.011411778	0.000915519	11.82583237	0.028502364	66.80646515	0.001677501	0.000907685	5.25244E-06	0.009398171	0.004893617	0.114532404	0.032929495	7.38498E-06	34.06126022	3.76115E-05	0.00095316	0.000398773
2093 Apr	147.0824127	0.044618204	0.011443676	0.000918065	11.85940075	0.028604677	67.08460999	0.001685747	0.000910196	5.26818E-06	0.009425061	0.004914304	0.114886887	0.033023428	7.40793E-06	34.18797684	3.77199E-05	0.000956253	0.000399953
2093 May	147.625473	0.045678932	0.011893406	0.000925288	12.24473381	0.028588435	66.52761841	0.001692686	0.000917535	5.29755E-06	0.009418312	0.004907436	0.113367915	0.033659842	7.40794E-06	34.66810226	3.76267E-05	0.000954576	0.000412528
2093 Jun	128.3862305	0.044077221	0.012622726	0.000923746	12.54722977	0.026233124	52.51761627	0.001545133	0.000917795	5.13989E-06	0.008702478	0.004112374	0.088248208	0.031962529	6.7519E-06	31.85557938	3.34541E-05	0.000804818	0.000406773
2093 Jul	135.0137482	0.043183472	0.012531468	0.000937115	12.43840218	0.026923304	57.0692482	0.001617161	0.000930816	5.25743E-06	0.008999083	0.004388505	0.095975697	0.032576963	7.02359E-06	32.88398361	3.51197E-05	0.000853794	0.000410394
2093 Aug	143.8214417	0.043289576	0.01255601	0.000945602	12.50282764	0.027748607	62.86707687	0.001688849	0.000938829	5.36283E-06	0.009311645	0.004736045	0.106136367	0.033754915	7.33091E-06	34.41670609	3.70194E-05	0.000919632	0.000421818
2093 Sep	147.653717	0.044087086	0.012361416	0.000941709	12.44403362	0.028228642	65.72283173	0.001714449	0.00093474	5.37473E-06	0.009440073	0.004894468	0.111243352	0.034069709	7.44456E-06	34.96773529	3.77853E-05	0.00094952	0.000422525
2093 Oct	145.1816711	0.046504777	0.011679932	0.000921226	12.16730404	0.0287528	65.09915924	0.001691146	0.000914423	5.26702E-06	0.009338545	0.004827444	0.110022813	0.033070378	7.31495E-06	34.19591522	3.69275E-05	0.000931416	0.000404631
2093 Nov	143.7989502	0.048099075	0.011402328	0.000916898	12.10631466	0.029178869	64.48542023	0.001683071	0.000910195	5.23916E-06	0.009314278	0.004782734	0.108834654	0.032632783	7.26363E-06	33.84325409	3.64842E-05	0.000919926	0.000396564
2093 Dec	143.9339142	0.048125241	0.011403116	0.000917106	12.10913372	0.029197441	64.56950378	0.001684563	0.000910396	5.24112E-06	0.009319549	0.004788072	0.108963735	0.032649525	7.26821E-06	33.86857986	3.65107E-05	0.000920813	0.00039673
2094 Jan	144.0501404	0.048131399	0.011403684	0.000917105	12.11013794	0.02920807	64.64446259	0.001686075	0.000910388	5.24197E-06	0.009322161	0.004792945	0.109060191	0.032660853	7.27114E-06	33.89083862	3.6528E-05	0.000921503	0.000396867
2094 Feb	144.1698151	0.048135962	0.01140516	0.000917124	12.11186123	0.029224638	64.71729279	0.00168863	0.000910398	5.24294E-06	0.009323228	0.004798409	0.109101705	0.03266684	7.27333E-06	33.916996	3.65343E-05	0.000921937	0.000396979
2094 Mar	144.4277954	0.048169818	0.011413339	0.000917735	12.12106419	0.029269928	64.86030579	0.001693777	0.000910992	5.24768E-06	0.009330033	0.004809374	0.109205849	0.032691006	7.28068E-06	33.97524261	3.65612E-05	0.000922999	0.000397327

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Apr	144.8582306	0.048261497	0.01143512	0.000919464	12.14475632	0.029350588	65.08065796	0.00170093	0.000912697	5.25879E-06	0.009348201	0.004826061	0.109442234	0.032754373	7.29687E-06	34.07391357	3.66326E-05	0.000925173	0.000398148
2094 May	143.7024841	0.049495582	0.012147648	0.000922486	12.71187878	0.028888926	62.98106003	0.001685047	0.000916019	5.24991E-06	0.009219123	0.004735548	0.105106883	0.033533033	7.20358E-06	34.47132492	3.60033E-05	0.00090937	0.000416623
2094 Jun	138.9631653	0.051833171	0.013759015	0.000930177	13.95282459	0.027620886	56.84303284	0.001632447	0.00092454	5.21918E-06	0.008871771	0.004447298	0.09303207	0.035005778	6.93587E-06	34.97563171	3.42272E-05	0.000858741	0.000455322
2094 Jul	151.7103271	0.052197751	0.013916181	0.000947696	14.11474037	0.02873875	64.94940186	0.001748262	0.000941448	5.39544E-06	0.00935722	0.004945694	0.106750965	0.036762916	7.38603E-06	37.28462601	3.70785E-05	0.000950932	0.000473928
2094 Aug	161.8224335	0.053193029	0.014183202	0.000969831	14.40982819	0.029919147	70.97260284	0.001850541	0.000963099	5.57162E-06	0.009762482	0.005332141	0.116552554	0.038316224	7.7577E-06	39.2650528	3.92202E-05	0.001020174	0.00049149
2094 Sep	165.1777344	0.053965442	0.013916974	0.000965134	14.29877663	0.030399919	73.63561249	0.001872043	0.000958257	5.57766E-06	0.009885828	0.005475274	0.121418916	0.038489141	7.86038E-06	39.67740631	3.99275E-05	0.001047277	0.00048977
2094 Oct	165.8805847	0.054856624	0.013388618	0.000948914	14.00554657	0.030707855	75.03404999	0.001870345	0.000942012	5.51311E-06	0.009890782	0.005529728	0.124007523	0.038014881	7.84904E-06	39.46774673	3.9982E-05	0.001055511	0.000478968
2094 Nov	163.1223602	0.056058526	0.012913272	0.000937217	13.77461052	0.030943621	73.94747925	0.001841504	0.000930475	5.44346E-06	0.009814717	0.005440178	0.122466691	0.037203327	7.74805E-06	38.70536804	3.93307E-05	0.001037691	0.000464837
2094 Dec	163.0585785	0.056135427	0.0128841	0.000936526	13.76105404	0.0309749	73.94668579	0.001842157	0.000929786	5.44012E-06	0.009811062	0.005439642	0.122405745	0.037156172	7.74382E-06	38.68096161	3.92955E-05	0.001036951	0.000464022
2095 Jan	163.2215118	0.056140635	0.01288435	0.000936504	13.76181698	0.030988632	74.05337524	0.001844193	0.000929755	5.44123E-06	0.009814791	0.005446481	0.122548126	0.037171785	7.74798E-06	38.71143341	3.93209E-05	0.001037948	0.000464205
2095 Feb	163.3641052	0.056146383	0.012886193	0.000936536	13.76399517	0.031009538	74.13944244	0.001847386	0.000929778	5.44245E-06	0.009815901	0.005453052	0.12258932	0.037178081	7.7505E-06	38.74304199	3.93268E-05	0.001038425	0.000464332
2095 Mar	163.592041	0.05616938	0.012891738	0.000936887	13.77035713	0.031045841	74.27068329	0.001851925	0.000930117	5.44577E-06	0.009820655	0.005462941	0.122683339	0.037196603	7.75625E-06	38.79357147	3.93476E-05	0.001039355	0.000464611
2095 Apr	164.2159424	0.056301415	0.012922179	0.000939076	13.80360126	0.031153413	74.59602356	0.001861688	0.000932274	5.46035E-06	0.009845517	0.005487052	0.123051286	0.037290193	7.77868E-06	38.93536758	3.94507E-05	0.001042617	0.000465834
2095 May	161.4450226	0.057093937	0.013547935	0.000942663	14.28016376	0.030690586	71.55825806	0.001846486	0.000936177	5.44473E-06	0.009664216	0.005344439	0.116658397	0.037658568	7.63933E-06	38.99769592	3.84296E-05	0.001012833	0.000478854
2095 Jun	156.6787262	0.058289774	0.014604461	0.000953397	15.07356167	0.029956577	66.34829712	0.001821132	0.00094746	5.44074E-06	0.009395775	0.005098654	0.105951011	0.038269378	7.42643E-06	39.06199646	3.68321E-05	0.000962909	0.000500107
2095 Jul	167.999588	0.058920342	0.01481024	0.000973303	15.29686737	0.03101573	73.40236664	0.001911729	0.000966916	5.6166E-06	0.009862456	0.005529112	0.118579552	0.040036835	7.85056E-06	41.14117432	3.94909E-05	0.001047546	0.000519005
2095 Aug	172.0772705	0.057722125	0.014476996	0.000967534	15.04703522	0.031464428	76.8610611	0.001933532	0.000960997	5.62639E-06	0.009960895	0.005712245	0.125284165	0.040231921	7.99275E-06	41.56970978	4.02973E-05	0.001083641	0.000516345
2095 Sep	176.1125793	0.057549968	0.014244838	0.00096518	14.93062305	0.032139186	79.90979767	0.001982961	0.000958464	5.64976E-06	0.010049069	0.00589386	0.129862025	0.040351957	8.11061E-06	42.15533066	4.0821E-05	0.00111079	0.00051431
2095 Oct	180.02565	0.057792757	0.01409385	0.000961025	14.85040379	0.032563001	82.7407608	0.002034216	0.000954114	5.66178E-06	0.0101373	0.006068117	0.133656248	0.04052563	8.20429E-06	42.78796005	4.14063E-05	0.001134905	0.000514801
2095 Nov	178.591629	0.058993973	0.013719577	0.000955092	14.69048595	0.032995343	82.28236389	0.002034859	0.000948252	5.6284E-06	0.010104563	0.006032803	0.132390469	0.039881129	8.14785E-06	42.3572197	4.093E-05	0.001121962	0.000503505
2095 Dec	178.3725586	0.059176575	0.01367544	0.000954686	14.67504311	0.03305852	82.18792725	0.002034647	0.000947858	5.62546E-06	0.010101592	0.006026379	0.132177934	0.039801326	8.14084E-06	42.29899216	4.08651E-05	0.001120031	0.000502095
2096 Jan	178.5765381	0.059180185	0.013675133	0.000954631	14.67544556	0.033078462	82.32142639	0.002037741	0.000947792	5.62675E-06	0.010105283	0.006035264	0.132328436	0.039816283	8.14551E-06	42.33807755	4.08907E-05	0.001121136	0.000502281
2096 Feb	178.704422	0.059196446	0.013679501	0.000954823	14.68009758	0.033096939	82.39330292	0.002040053	0.000947978	5.62855E-06	0.010108032	0.006040626	0.13238731	0.03982985	8.14876E-06	42.36701584	4.09037E-05	0.001121702	0.000502486
2096 Mar	178.9075775	0.05922443	0.013686261	0.000955238	14.68768024	0.033131357	82.50572968	0.002044074	0.000948383	5.63197E-06	0.010112814	0.006049256	0.13246648	0.039849374	8.1542E-06	42.41342926	4.0923E-05	0.001122527	0.000502778
2096 Apr	179.4531555	0.059358105	0.013717293	0.000957377	14.72146702	0.033228915	82.78005981	0.002052285	0.000950498	5.64571E-06	0.010135979	0.006069779	0.132790178	0.039940361	8.17471E-06	42.54026794	4.10168E-05	0.001125435	0.000503973
2096 May	179.9335327	0.059746552	0.014005139	0.000960433	14.93959045	0.033076007	82.57523346	0.002051251	0.000953632	5.65819E-06	0.010135034	0.006069334	0.13236022	0.040383708	8.17843E-06	42.84184647	4.10714E-05	0.00112735	0.000512498
2096 Jun	140.4089203	0.047533359	0.012750479	0.000938893	12.9800272	0.02827861	59.60398102	0.001715664	0.000934171	5.30475E-06	0.009070728	0.004598826	0.096717656	0.033419728	7.09997E-06	34.38240051	3.5084E-05	0.000869547	0.00042395
2096 Jul	141.6577911	0.044332646	0.01229696	0.000951102	12.42049694	0.028424682	61.34893417	0.001759355	0.000946384	5.38842E-06	0.009257586	0.004693115	0.09976849	0.032710612	7.24403E-06	34.10394669	3.60444E-05	0.000882578	0.000408785
2096 Aug	150.1005554	0.045098193	0.012474112	0.000969083	12.64067554	0.029486312	66.43768311	0.001849647	0.000964051	5.53453E-06	0.009588541	0.005020218	0.107869335	0.033917777	7.55236E-06	35.73752213	3.77652E-05	0.000939549	0.0004219
2096 Sep	152.8360138	0.046050835	0.012136593	0.000959266	12.50409889	0.02991258	68.84651184	0.001853522	0.000954168	5.51198E-06	0.009674147	0.005137557	0.112749293	0.034017578	7.62522E-06	35.99216843	3.8309E-05	0.000964742	0.000418735
2096 Oct	151.286026	0.048690576	0.011500045	0.000941423	12.27728748	0.030538987	68.73446655	0.001835074	0.000936425	5.42253E-06	0.009618121	0.005101797	0.112569213	0.033220474	7.53353E-06	35.40867233	3.76864E-05	0.000953884	0.000403206
2096 Nov	150.7241974	0.049522806	0.011387084	0.000940628	12.26789093	0.030778464	68.45633698	0.001832908	0.000935662	5.41562E-06	0.009614932	0.005082974	0.112010993	0.033047609	7.51544E-06	35.2735405	3.74964E-05	0.000948821	0.000399861
2096 Dec	150.93013	0.049530718	0.011385869	0.000940613	12.26817036	0.030803898	68.59062195	0.001836454	0.000935637	5.41715E-06	0.009618519	0.005092156	0.112144023	0.033059251	7.52008E-06	35.31347275	3.75184E-05	0.000949832	0.000400002
2097 Jan	151.0643616	0.049533222	0.011385703	0.000940561	12.26858139	0.03081988	68.67709351	0.001838968	0.000935579	5.41793E-06	0.009620038	0.005098243	0.112215795	0.033065908	7.52266E-06	35.3405838	3.75291E-05	0.000950423	0.000400102
2097 Feb	151.2048187	0.049534392	0.011386327	0.000940526	12.26959801	0.030841002	68.76402283	0.001842377	0.000935537	5.41885E-06	0.009620383	0.005104954	0.112245657	0.033068549	7.52473E-06	35.37151718	3.75314E-05	0.000950826	0.000400185
2097 Mar	151.4306183	0.049554262	0.011391059	0.000940874	12.27526283	0.030879714	68.89433289	0.001847293	0.000935874	5.42218E-06	0.009624591	0.005115001	0.112319924	0.033083107	7.53017E-06	35.42194366	3.7548E-05	0.000951646	0.000400417
2097 Apr	152.0584106	0.049698524	0.011424289	0.000943598	12.31176567	0.030999713	69.21131897	0.001857373	0.000938574	5.43937E-06	0.00965323	0.00513893	0.112682767	0.033180989	7.55496E-06	35.56585312	3.766E-05	0.000954926	0.00040166
2097 May	152.3718567	0.050605506	0.011827961	0.000952045	12.65662289	0.031048821	68.57169342	0.001867501	0.000947081	5.47397E-06	0.00964837	0.005127688	0.110928074	0.033698309	7.55569E-06	35.97050858	3.75246E-05	0.000951153	0.000412171
2097 Jun	139.0032806	0.049527794	0.012680108	0.000954063	13.09663868	0.029157365	58.29195786	0.001753995	0.00094992	5.37032E-06	0.009118972	0.004552487	0.09271951	0.032978445	7.08939E-06	34.24511337	3.45661E-05	0.000846886	0.000417322
2097 Jul	147.7294312	0.049614206	0.012791751	0.000973331	13.21458721	0.030210799	63.71872711	0.001857435	0.000968902	5.52769E-06	0.009468535	0.00490245	0.10108187	0.034058977	7.41619E-06	35.8646698	3.64147E-05	0.000904904	0.000428346
2097 Aug	155.921051	0.049736217	0.012815421	0.000981962	13.28506088	0.031039538	69.07235718	0.001929522	0.000977275	5.63015E-06	0.00975546	0.005227356	0.110230327	0.035131048	7.70123E-06	37.3092041	3.81232E-05	0.000964711	0.000438775
2097 Sep	160.6683197	0.050178368	0.012795466	0.000985546	13.32861519	0.03167139	72.15011597	0.001989515	0.000980692	5.68325E-06	0.009895744	0.005424588	0.114528075	0.035587013	7.84418E-06	38.18369293	3.88867E-05	0.000994179	0.000443057
2097 Oct	161.6262054	0.0509656	0.012555239	0.000978451	13.22993565	0.032043938	73.12129974	0.002011595	0.000973562	5.65998E-06	0.009893165	0.005481834	0.115351148	0.035351824	7.84198E-06	38.26367569	3.8807E-05	0.000997262	0.000438231
2097 Nov	161.0482941	0.05138237	0.012426259	0.000974606	13.17437077	0.0321352	72.93171692	0.002007039	0.000969742	5.63896E-06	0.009869318	0.005465284	0.114968397	0.035141759	7.8139E-06	38.09831619	3.86167E-05	0.000992887	0.000434627
2097 Dec	160.8794708	0.051455844	0.01240129	0.000973814	13.16289902	0.032144636	72.85910797	0.002005264	0.000968957	5.63423E-06	0.009863181	0.005459649	0.114853561	0.03509647	7.80691E-06	38.05518341	3.85722E-05	0.000991737	0.00043388
2098 Jan	160.9870148	0.051463582	0.012401747	0.000973789	13.1639204	0.032152694	72.92922211	0.00200638	0.000968929	5.6349E-06	0.009865882	0.005464021	0.11495696	0.035108872	7.80974E-06	38.07521057	3.85907E-05	0.000992445	0.000434025
2098 Feb	161.0908203	0.051470768	0.012404018	0.000973825	13.16637135	0.03216752	72.99012756	0.002008626	0.00096896	5.63583E-06	0.009866756	0.005468701	0.114986837	0.035115253	7.8116E-06	38.09885406	3.85953E-05	0.000992801	0.000434147
2098 Mar	161.2819672	0.051485352	0.012407796	0.000974047	13.17083359	0.03219955	73.10116577	0.002012923	0.000969175	5.63832E-06	0.009869537	0.005477331	0.115040898	0.035126064	7.81576E-06	38.14191055	3.86063E-05	0.000993448	0.000434336
2098 Apr	161.6386719	0.051714119	0.012477586	0.000975649	13.23725128	0.032248814	73.18406677	0.002017481	0.000970772	5.64713E-06	0.009878258	0.005487306	0.115045123	0.035255048	7.82494E-06	38.26850891	3.86348E-05	0.000994843	0.000436551
2098 May	157.2731171	0.053528447	0.013440738	0.000977377	14.00759888	0.031345654	68.53282166	0.001952783	0.000972864	5.60133E-06	0.009626421	0.005243946	0.107000329	0.036095027	7.61723E-06	38.28355408	3.73238E-05	0.000957553	0.000459165
2098 Jun	131.1074524	0.050106104	0.014058102	0.000953085	14.0471983	0.027458463	50.66869736	0.001675425	0.00094981	5.28102E-06	0.008629785	0.004161745	0.078243025	0.033704564	6.71641E-06	33.97799683	3.21588E-05	0.000776036	0.000445843
2098 Jul	140.782959	0.050000716	0.014143886	0.000973442	14.11971188	0.028396491	56.83402252	0.001770786	0.000969979	5.45146E-06	0.009059539	0.004542401	0.08879666	0.034954835	7.09594E-06	35.6735878	3.45339E-05	0.000846619	0.000457838
2098 Aug	146.0453491	0.049660172	0.013932409	0.000973403	14.02241707	0.029060978	60.74662018	0.001801147	0.000969813	5.49448E-06	0.009228192	0.004758449	0.096368961	0.035480838	7.28664E-06	36.41370392	3.56056E-05	0.000890702	0.000459551
2098 Sep	146.9163208	0.050411511	0.013210729	0.000952226	13.62861824	0.029491872	62.6633606	0.001777168	0.000948646	5.41013E-06	0.009236192	0.004819758	0.101071201	0.034963481	7.29246E-06	36.06016159	3.57333E-05	0.000907389	0.000445266
2098 Oct	147.4794922	0.052259516	0.012526215	0.000933255	13.30242825	0.030028775	64.1624527	0.001769609	0.00092968	5.33287E-06	0.009256779	0.004871394	0.104046471	0.034367111	7.27522E-06	35.74778366	3.57473E-05	0.00091552	0.00043118
2098 Nov	147.4412842	0.053113934	0.012270717	0.000927332	13.19604397	0.030333417	64.50239563	0.001774238	0.000923762	5.30781E-06	0.009251922	0.004884144	0.104351804	0.03406265	7.25803E-06	35.61703873	3.56011E-05	0.000914105	0.000425076
2098 Dec	147.5820923	0.053145517	0.012269695	0.0009275	13.1981945	0.0303564	64.59195709	0.00177613	0.000923926	5.30968E-06	0.009256873	0.004889968	0.104472518	0.034075957	7.26244E-06	35.64336777	3.56244E-05	0.000914942	0.000425191
2099 Jan	147.7604828	0.053150527	0.012269973	0.000927489	13.1992321	0.030377937	64.70571136	0.001779357	0.00092398	5.311E-06	0.009259484	0.004897939	0.104573831	0.034086455	7.26621E-06	35.67934799	3.56411E-05	0.000915763	0.00042534
2099 Feb	147.9243317	0.053155262	0.012271514	0.000927513	13.20112991	0.03039895	64.80709839	0.001782569	0.000923926	5.31236E-06	0.009261524	0.004905302	0.104649015	0.034096014	7.26953E-06	35.71395111	3.56535E-05	0.000916443	0.000425494
2099 Mar	148.2047729	0.053206466	0.012283552	0.000928375	13.21451187	0.030449785	64.95536041	0.001787729	0.00092478	5.31841E-06	0.009270757	0.004916685	0.104776196	0.034130327	7.27856E-06	35.77859497	3.56895E-05	0.000917703	0.000425969
2099 Apr	149.0138092	0.053665809	0.012418624	0.000932391	13.3449564	0.030572224	65.18721008	0.001797427	0.000928784	5.34078E-06	0.009299341	0.004940137	0.104957245	0.034399133	7.30473E-06	36.04089355	3.57938E-05	0.000921477	0.000430328
2099 May	141.1794281	0.058038007	0.014675296	0.000933303	15.16080666	0.028612375	55.90132523	0.001670999	0.000930297	5.23536E-06	0.008743915	0.00447038	0.088347189	0.036622442	6.86802E-06	36.52425003	3.30479E-05	0.000849258	0.000486514
2099 Jun	136.0489502	0.057732262	0.015325428	0.000928467	15.53589344	0.027358092	51.50680923	0.001610451	0.000925784	5.16143E-06	0.008464773	0.004228374	0.080629058	0.036802806	6.64131E-06	36.09432602	3.18002E-05	0.000809133	0.000498663
2099 Jul	148.2297211	0.057761494	0.015394744	0.000941736	15.6171627	0.028287806	59.46955872	0.001706455	0.000938766	5.31585E-06	0.00893449	0.004704088	0.094812594	0.038480572	7.07657E-06	38.2064476	3.46677E-05	0.00090171	0.000515528
2099 Aug	155.3621216	0.058363829	0.015474572	0.000957098	15.77953243	0.029292854	63.89914322	0.001770636	0.000953968	5.44138E-06	0.009227663	0.004977606	0.102602147	0.039519314	7.35443E-06	39.51609039	3.61731E-05	0.000953639	0.00052534
2099 Sep	156.9711609	0.058152147	0.014933706	0.000944779	15.44040108	0.029745186	65.97189331	0.001778437	0.00094161	5.40404E-06	0.009254211	0.005071655	0.106585354	0.039105073	7.39631E-06	39.41754913	3.63859E-05	0.000970162	0.000514084
2099 Oct	158.0818787	0.058974884	0.014400796	0.000932326	15.14058304	0.030212775	67.59128571	0.001794526	0.000929122	5.3615E-06	0.009284455	0.005148075	0.109039679	0.038587827	7.40607E-06	39.29225159	3.64899E-05	0.000978455	0.000502548
2099 Nov	159.6421967	0.059335593	0.014095487	0.000924417	14.96437931	0.030632196	69.09460449	0.001832964	0.000921152	5.34102E-06	0.009289162	0.005240301	0.110299237	0.038250595	7.41794E-06	39.43494034	3.64867E-05	0.000984111	0.000496005
2099 Dec	160.4325867	0.05933176	0.014090247	0.000924219	14.9626503	0.030730313	69.61079407	0.001848116	0.000920927	5.34633E-06	0.009299382	0.005276526	0.110731408	0.038282201	7.43404E-06	39.59075546	3.65539E-05	0.000987599	0.000496445
2100 Jan	160.6904449	0.059327777	0.014088396	0.000924083	14.96167946	0.030758675	69.78101349	0.00185278	0.000920783	5.34772E-06	0.009302586	0.00528826	0.110886231	0.03829385	7.43919E-06	39.6408844	3.65776E-05	0.000988804	0.000496605
2100 Feb	160.889267	0.059327226	0.014088644	0.00092403	14.96244049	0.030785795	69.90658569	0.001857168	0.000920724	5.34903E-06	0.009303906	0.005297582	0.110956103	0.038299721	7.44258E-06	39.68289566	3.65867E-05	0.000989505	0.000496728
2100 Mar	161.0612183	0.059337892	0.014091361	0.000924173	14.9658041	0.030814074	70.00805664	0.001861102	0.000920861	5.35102E-06	0.009305944	0.005305448	0.111002311	0.038307909	7.44604E-06	39.72138977	3.65949E-05	0.000990068	0.000496881
2100 Apr	161.7393036	0.059530359	0.014137161	0.000927159	15.01501274	0.030938972	70.33204651	0.001871031	0.00092383	5.36955E-06	0.009336699	0.005330168	0.111393362	0.038433682	7.47262E-06	39.88415527	3.67161E-05	0.00099371	0.000498559
2100 May	159.2122955	0.06025555	0.014794603	0.000932805	15.49191666	0.03026904	67.49376678	0.001829309	0.000929665	5.36399E-06	0.009225409	0.005181303	0.106843963	0.03905315	7.37341E-06	39.91729736	3.61638E-05	0.000973886	0.000513899
2100 Jun	133.9560547	0.053762697	0.014544311	0.000921067	14.69784451	0.026947886	51.83075714	0.001598569	0.000918741	5.13251E-06	0.00847924	0.00420288	0.082273833	0.035400201	6.64281E-06	34.95681763	3.20733E-05	0.000805768	0.000473328
2100 Jul	137.9398804	0.050970994	0.01404078	0.00092232	14.13846016	0.026990956	55.63296127	0.001628168	0.000919921	5.18269E-06	0.008716093	0.004395509	0.090046719	0.03521226	6.84462E-06	35.08950043	3.36678E-05	0.000846272	0.000463705
2100 Aug	142.2081146	0.050033763	0.013661554	0.000916411	13.89419365	0.027576864	59.26076126	0.001647803	0.00091393	5.19378E-06	0.008825574	0.004584575	0.097270541	0.035414539	6.9969E-06	35.52644348	3.44839E-05	0.000884846	0.000460221
2100 Sep	146.6071472	0.049968611	0.01338966	0.000912515	13.76185322	0.02829962	62.61808395	0.001699273	0.00090993	5.21335E-06	0.00892073	0.004782475	0.1023812	0.03554539	7.12184E-06	36.15502548	3.50615E-05	0.000914834	0.000457916
2100 Oct	150.3196564	0.050359197	0.013261337	0.000909856	13.71081066	0.028755583	65.24647522	0.001748969	0.000907177	5.23089E-06	0.00901134	0.004946219	0.105856605	0.035735708	7.21418E-06	36.77418518	3.56107E-05	0.000937258	0.000458735
2100 Nov	150.987793	0.050504141	0.013245691	0.000910218	13.713377	0.028874595	65.68811035	0.001759661	0.000907522	5.23792E-06	0.009030703	0.004975453	0.106365576	0.035773333	7.23244E-06	36.89651108	3.56981E-05	0.000940794	0.000458946
2100 Dec	151.2982941	0.050526466	0.013248088	0.000910477	13.717659	0.028916046	65.88061523	0.001764849	0.000907773	5.24151E-06	0.009037965	0.004988819	0.106564723	0.035798367	7.24058E-06	36.959095	3.57367E-05	0.000942359	0.000459258
2101 Jan	151.5887299	0.050524358	0.013246648	0.00091036	13.71701527	0.028941475	66.07389069	0.001768993	0.000907648	5.24321E-06	0.009043528	0.005001429	0.106798097	0.035819966	7.24744E-06	37.01312637	3.57767E-05	0.000944018	0.000459512
2101 Feb	151.8226318	0.050521158	0.013246012	0.000910256	13.7169075	0.028967343	66.22611237	0.001773309	0.000907538	5.24455E-06	0.009046261	0.005012053	0.106929958	0.035831258	7.25204E-06	37.05961227	3.5797E-05	0.00094508	0.00045968

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Mar	151.9575958	0.050528664	0.013248065	0.000910366	13.71941376	0.028988829	66.3062439	0.001776307	0.000907645	5.2461E-06	0.009048002	0.005018191	0.106971718	0.035838157	7.25484E-06	37.0894928	3.58046E-05	0.000945548	0.000459802
2101 Apr	152.4132843	0.050633594	0.013276193	0.00091209	13.74875736	0.029068267	66.53128052	0.001783558	0.000909359	5.25729E-06	0.009065805	0.005035458	0.107209757	0.035913609	7.27116E-06	37.19824982	3.58762E-05	0.000947844	0.000460844
2101 May	149.5693665	0.052065291	0.013993577	0.000919416	14.32299137	0.028578304	63.26593399	0.001750393	0.000916847	5.25548E-06	0.008931626	0.004872974	0.101286002	0.036527198	7.15045E-06	37.28141403	3.50565E-05	0.000921204	0.000476995
2101 Jun	135.6390533	0.05005708	0.014241527	0.000917696	14.25318336	0.026742809	53.80386353	0.001621325	0.000915571	5.14104E-06	0.008503561	0.00430522	0.085891157	0.035044655	6.72452E-06	34.89542389	3.26089E-05	0.000823494	0.000465422
2101 Jul	145.4531555	0.050262239	0.014376704	0.000936587	14.38497353	0.027801082	59.89267731	0.001739483	0.000934271	5.30493E-06	0.008885272	0.004698754	0.095039904	0.036227532	7.0751E-06	36.73101044	3.46758E-05	0.000887937	0.000478047
2101 Aug	154.3091736	0.05100327	0.014564604	0.000952976	14.60777187	0.02876075	65.2767868	0.001823557	0.000950499	5.44669E-06	0.009231585	0.0050379	0.104020268	0.037561532	7.39543E-06	38.42569733	3.6569E-05	0.00095017	0.00049279
2101 Sep	156.388504	0.051394079	0.014148472	0.000945389	14.4016943	0.02941706	67.32440948	0.001848635	0.000942873	5.433E-06	0.009271324	0.00514661	0.107267246	0.037302539	7.44838E-06	38.55219269	3.67241E-05	0.000965199	0.000484677
2101 Oct	158.7390442	0.052141093	0.013892815	0.000940104	14.28915215	0.029870922	69.25861359	0.001878216	0.000937539	5.42935E-06	0.009338352	0.005257555	0.110038623	0.037251532	7.50338E-06	38.83946991	3.70618E-05	0.000980291	0.000481261
2101 Nov	156.5235596	0.053310595	0.013501148	0.000932211	14.11017227	0.030139374	68.37152863	0.001856777	0.000929696	5.38034E-06	0.009291571	0.005185592	0.108759746	0.036589827	7.42817E-06	38.22494888	3.6556E-05	0.000965638	0.000469497
2101 Dec	156.0324554	0.053606912	0.013445681	0.000932017	14.09563828	0.030216318	68.10494232	0.001852841	0.000929514	5.37638E-06	0.0092868	0.005167579	0.108346976	0.036480449	7.41558E-06	38.11151123	3.64501E-05	0.000962093	0.00046755
2102 Jan	156.156189	0.053610459	0.013445058	0.000931942	14.09568214	0.030227112	68.18721008	0.001854536	0.000929436	5.37698E-06	0.009289088	0.005172912	0.108447932	0.036490265	7.41839E-06	38.13465881	3.64668E-05	0.000962806	0.000467667
2102 Feb	156.2648163	0.053617679	0.013447289	0.000931986	14.09815407	0.030243479	68.25084686	0.001856983	0.000929477	5.378E-06	0.009289949	0.005177861	0.108474895	0.036496148	7.42032E-06	38.15950012	3.64709E-05	0.000963156	0.000467785
2102 Mar	156.4357147	0.053632647	0.013451263	0.000932202	14.10271072	0.030271489	68.3491745	0.001860673	0.00092969	5.3803E-06	0.009292724	0.005185453	0.108529136	0.036507707	7.4242E-06	38.19810867	3.64823E-05	0.000963771	0.000467977
2102 Apr	156.8139343	0.053710058	0.013470788	0.000933524	14.12373543	0.03033963	68.54266357	0.001867208	0.000931004	5.38917E-06	0.00930654	0.005200316	0.108713523	0.036561623	7.43719E-06	38.28662491	3.65367E-05	0.00096557	0.000468718
2102 May	158.3525391	0.054083403	0.013564934	0.000939992	14.22370434	0.030611962	69.30242157	0.001889781	0.000937444	5.43007E-06	0.009375574	0.005257284	0.109647579	0.036831435	7.49731E-06	38.64634705	3.68172E-05	0.000973967	0.000472259
2102 Jun	130.9217987	0.043085609	0.011818255	0.000933189	12.06021309	0.027803184	54.99192047	0.001685383	0.000931207	5.24263E-06	0.008835146	0.004300476	0.088370323	0.030690594	6.87289E-06	31.97076988	3.34559E-05	0.00080283	0.000383234
2102 Jul	120.6673279	0.037238616	0.010938805	0.000941603	10.97424603	0.027003167	50.03225708	0.001640235	0.000939845	5.23382E-06	0.00871632	0.003971114	0.080650896	0.027896885	6.7065E-06	29.25006104	3.24699E-05	0.000737658	0.000340504
2102 Aug	129.35495	0.037454743	0.010923962	0.000948141	11.03867626	0.02789104	55.77989197	0.001712634	0.000946246	5.33078E-06	0.009007985	0.004315539	0.090601094	0.029008927	7.00148E-06	30.76029205	3.42337E-05	0.000801983	0.000350883
2102 Sep	132.9216461	0.03811625	0.010816737	0.000948071	11.05294991	0.028507497	58.23484039	0.001750889	0.00094612	5.35851E-06	0.009105687	0.004464592	0.09436693	0.029310305	7.10613E-06	31.36691093	3.47361E-05	0.000825656	0.0003524
2102 Oct	131.0655518	0.040033575	0.010416765	0.00093268	10.92765713	0.028878786	57.55717468	0.001740401	0.000930765	5.27506E-06	0.00899503	0.004412381	0.092549428	0.028643239	6.99066E-06	30.89908218	3.39208E-05	0.000808704	0.000341621
2102 Nov	131.4191742	0.040259309	0.010406478	0.00093332	10.93951988	0.028970579	57.78101349	0.001744034	0.0009314	5.28074E-06	0.009013061	0.004426117	0.092912748	0.028683858	7.00352E-06	30.96263504	3.39868E-05	0.00081101	0.000341824
2102 Dec	131.6079102	0.040272951	0.010406875	0.000933423	10.94111729	0.028985608	57.90452576	0.001745642	0.0009315	5.28264E-06	0.009019695	0.004433556	0.093121178	0.028708143	7.00961E-06	30.99598503	3.40275E-05	0.000812385	0.000342074
2103 Jan	131.7259674	0.040279381	0.010407591	0.000933445	10.94255066	0.029004531	57.97666168	0.001748372	0.000931519	5.28367E-06	0.009020647	0.004439069	0.093153492	0.028711973	7.01169E-06	31.02183914	3.40317E-05	0.000812762	0.000342154
2103 Feb	131.8871155	0.040287774	0.010409947	0.000933566	10.94545937	0.029031254	58.07202911	0.001752158	0.000931637	5.28548E-06	0.009022345	0.004446512	0.093192175	0.028718645	7.01483E-06	31.05798531	3.40384E-05	0.000813264	0.000342287
2103 Mar	132.0755157	0.040303499	0.010414102	0.000933891	10.95032215	0.029064264	58.18001556	0.001756305	0.000931958	5.28845E-06	0.009026069	0.004454887	0.09325248	0.028730853	7.01952E-06	31.10017776	3.40526E-05	0.000813943	0.00034248
2103 Apr	132.4976349	0.040385377	0.010435301	0.000935766	10.9732008	0.029147973	58.39404678	0.001763736	0.000933826	5.30032E-06	0.009044878	0.004471374	0.093471445	0.028790526	7.03611E-06	31.19692612	3.41239E-05	0.000816015	0.00034324
2103 May	133.0398407	0.042097345	0.011165288	0.00094058	11.58475018	0.028748995	57.42575455	0.001736642	0.000938712	5.31034E-06	0.009019539	0.004433241	0.092311263	0.029992605	7.01953E-06	31.84879494	3.41229E-05	0.000819053	0.000365681
2103 Jun	118.5952377	0.041096609	0.012033653	0.000925437	11.98774242	0.025935417	46.74945068	0.001546967	0.000924008	5.11134E-06	0.008430023	0.00379089	0.075857386	0.029530155	6.48546E-06	29.82286072	3.1354E-05	0.000721637	0.000374971
2103 Jul	126.040741	0.03932526	0.011724458	0.000928495	11.67261505	0.02645974	52.39220047	0.001614891	0.000926966	5.1913E-06	0.008713593	0.004114029	0.085841388	0.03002261	6.76535E-06	30.80533791	3.32269E-05	0.000780793	0.000375379
2103 Aug	134.1483612	0.037939601	0.011339815	0.000923712	11.43159389	0.027397938	58.66122055	0.001660725	0.000922078	5.23744E-06	0.008918414	0.004461184	0.097749911	0.030829618	7.04763E-06	31.91392899	3.47691E-05	0.000848137	0.000378369
2103 Sep	137.2226105	0.039342105	0.011030245	0.00091541	11.34510612	0.027944973	61.17191315	0.001674859	0.000913741	5.22402E-06	0.009018192	0.004591483	0.102414005	0.030974468	7.12665E-06	32.28043365	3.53157E-05	0.000873249	0.000376088
2103 Oct	134.1960144	0.042521633	0.010503954	0.000902949	11.23093987	0.028681703	59.75140762	0.001660482	0.000901332	5.14682E-06	0.008921745	0.004494202	0.099276617	0.030043295	6.98983E-06	31.56913757	3.42384E-05	0.000846347	0.000360321
2103 Nov	132.9094086	0.043841332	0.010335147	0.000900798	11.21780968	0.028964473	59.053936	0.001648046	0.000899207	5.12806E-06	0.008905944	0.004445617	0.098188542	0.029762561	6.94833E-06	31.27997398	3.39025E-05	0.000836744	0.000355107
2103 Dec	133.0605774	0.043856155	0.010334116	0.000900824	11.2184124	0.028975759	59.1557579	0.001649102	0.00089923	5.12933E-06	0.008911439	0.004451538	0.098370641	0.029782034	6.95321E-06	31.30541801	3.39369E-05	0.000837906	0.00035529
2104 Jan	133.1797333	0.043861181	0.010334526	0.000900811	11.2195816	0.028995177	59.22902298	0.001652005	0.000899215	5.1302E-06	0.008911936	0.004457211	0.098395348	0.029784372	6.95504E-06	31.33174324	3.39388E-05	0.000838243	0.000355358
2104 Feb	133.3458252	0.043865949	0.010335881	0.000900819	11.22147083	0.029021675	59.32989502	0.001656098	0.00089922	5.13154E-06	0.008912601	0.004465106	0.098425932	0.029788112	6.95764E-06	31.3689003	3.39415E-05	0.000838703	0.000355465
2104 Mar	133.5655518	0.043883871	0.010340301	0.000901147	11.22682762	0.029059742	59.45688248	0.001660955	0.000899544	5.13477E-06	0.008916539	0.004474935	0.098494917	0.02980159	6.96287E-06	31.4180336	3.39568E-05	0.000839482	0.000355684
2104 Apr	134.2245026	0.044024475	0.01037353	0.000904012	11.26376534	0.029189682	59.79135513	0.001672017	0.000902399	5.15297E-06	0.008946015	0.004500404	0.09885861	0.02989953	6.9888E-06	31.56892586	3.40697E-05	0.00084282	0.000356923
2104 May	132.5452271	0.046393156	0.011539876	0.000913622	12.20961666	0.028576026	56.45857239	0.001645066	0.000912123	5.16057E-06	0.008789163	0.00435598	0.092294328	0.03122744	6.86635E-06	32.23397446	3.32227E-05	0.000819939	0.000386884
2104 Jun	121.7184219	0.045961488	0.012636226	0.000906094	12.82016373	0.02624218	47.6053009	0.001522441	0.000904889	5.02125E-06	0.008278999	0.003858015	0.077050298	0.031240165	6.42312E-06	31.10062599	3.08094E-05	0.000737674	0.000404044
2104 Jul	131.6048279	0.045244087	0.01255097	0.000915288	12.74338913	0.02715598	54.29404831	0.001632305	0.000913954	5.14418E-06	0.008619563	0.004270576	0.087559462	0.032197248	6.76074E-06	32.7624321	3.28804E-05	0.000806294	0.000412206
2104 Aug	139.8791656	0.045090709	0.012448709	0.000918745	12.72339821	0.027916742	60.00313187	0.001688647	0.000917314	5.22504E-06	0.00890216	0.004599965	0.098084226	0.033230033	7.04898E-06	34.10020447	3.46786E-05	0.000871683	0.000420659
2104 Sep	141.585144	0.045520253	0.0120851	0.000910446	12.55979443	0.028510153	61.71600723	0.001708148	0.000908993	5.20388E-06	0.008914073	0.004689902	0.100771643	0.032998934	7.0831E-06	34.2047348	3.46978E-05	0.000883844	0.000413601
2104 Oct	140.5218048	0.047525771	0.011631381	0.000900961	12.40572166	0.029121598	61.58656693	0.001711651	0.00089952	5.15625E-06	0.008882495	0.004671796	0.099907659	0.032334059	7.02143E-06	33.82573318	3.41788E-05	0.000872597	0.000401363
2104 Nov	139.8169403	0.048190609	0.011515735	0.000899566	12.3782835	0.029289717	61.24612808	0.00170655	0.000898136	5.14551E-06	0.008873965	0.004647497	0.099327907	0.032138947	6.99887E-06	33.65118027	3.39922E-05	0.000867169	0.000397789
2104 Dec	139.9913177	0.048202612	0.011515618	0.000899639	12.37943935	0.029305447	61.36035156	0.001708351	0.000898207	5.14718E-06	0.008879503	0.004654562	0.099504456	0.032158617	7.00416E-06	33.68251038	3.40261E-05	0.000868354	0.000397992
2105 Jan	140.1188049	0.048203025	0.011514946	0.000899556	12.37922478	0.029316096	61.44537354	0.001710143	0.000898122	5.14777E-06	0.008881744	0.004660094	0.099606827	0.032168213	7.00702E-06	33.70632553	3.4043E-05	0.000869081	0.000398108
2105 Feb	140.2375641	0.048207562	0.011516333	0.000899586	12.38097	0.029334513	61.51688385	0.001712916	0.000898151	5.14884E-06	0.008882595	0.004665624	0.099635862	0.032172568	7.00909E-06	33.73280334	3.40469E-05	0.00086945	0.000398203
2105 Mar	140.4108276	0.048213407	0.011517884	0.000899667	12.38318348	0.02936293	61.62155533	0.001717052	0.000898228	5.15058E-06	0.008884084	0.004673744	0.099677041	0.032177877	7.01228E-06	33.77111053	3.40529E-05	0.000869978	0.00039832
2105 Apr	140.8743896	0.048295055	0.011537483	0.000901175	12.40497589	0.029444043	61.86862183	0.001724841	0.00089973	5.16102E-06	0.008901229	0.004692172	0.099933259	0.032239724	7.02835E-06	33.8754425	3.41233E-05	0.000872286	0.000399131
2105 May	139.8052826	0.049809944	0.012371939	0.000907794	13.06305981	0.028923916	59.6089325	0.001702156	0.000906424	5.16636E-06	0.008800237	0.004592823	0.095681563	0.033224884	6.94872E-06	34.35202026	3.36297E-05	0.000858395	0.000420919
2105 Jun	137.3348999	0.05140204	0.013540153	0.000912756	13.92890072	0.027859023	55.90251541	0.00165577	0.000911513	5.14626E-06	0.008608692	0.004415694	0.088990435	0.034478355	6.79497E-06	34.81728363	3.28024E-05	0.00083368	0.000450604
2105 Jul	148.1469879	0.050978284	0.013487582	0.000919645	13.90680695	0.028684087	63.23138046	0.001740284	0.000918288	5.26294E-06	0.008990768	0.004848371	0.101990417	0.035840847	7.17048E-06	36.6178093	3.52499E-05	0.000916368	0.000463263
2105 Aug	154.5463409	0.049194485	0.012924757	0.000905487	13.48413467	0.029085407	68.82961273	0.001742983	0.000904073	5.254E-06	0.009168202	0.005123203	0.114175975	0.036294185	7.39719E-06	37.1978569	3.68102E-05	0.000981098	0.000460249
2105 Sep	154.5830536	0.049678255	0.012270608	0.000890465	13.13367271	0.029731411	69.95239258	0.001744775	0.000889052	5.19302E-06	0.009129466	0.005161068	0.116172999	0.035532314	7.37679E-06	36.80591202	3.64768E-05	0.000983714	0.000443974
2105 Oct	153.9664154	0.051107634	0.011810551	0.000879797	12.92407799	0.03023587	70.18796539	0.001758036	0.000878588	5.14423E-06	0.009097144	0.005166946	0.115641065	0.034835506	7.32248E-06	36.48617935	3.60555E-05	0.000974948	0.00043161
2105 Nov	152.795105	0.051764246	0.01164363	0.000876882	12.85765457	0.030387741	69.62872314	0.001750957	0.000875487	5.12367E-06	0.009070985	0.005128151	0.114602931	0.034504082	7.28152E-06	36.19838333	3.57581E-05	0.000965881	0.000426089
2105 Dec	152.917984	0.051774889	0.011642147	0.000876889	12.85770607	0.030401703	69.71064758	0.00175258	0.000875492	5.12466E-06	0.009074274	0.005133384	0.114711568	0.034513887	7.28484E-06	36.22053909	3.57775E-05	0.000966623	0.000426181
2106 Jan	153.0783691	0.051778302	0.011642085	0.000876854	12.85853481	0.030427977	69.81044006	0.001756627	0.000875455	5.12579E-06	0.009074708	0.005141143	0.114740439	0.034515113	7.28719E-06	36.25569153	3.5779E-05	0.000967049	0.000426247
2106 Feb	153.2459106	0.051779933	0.011642909	0.000876827	12.85985947	0.030454464	69.91338348	0.001760845	0.000875425	5.12699E-06	0.009075054	0.005149206	0.11476808	0.034517407	7.28963E-06	36.29298019	3.57805E-05	0.000967491	0.000426338
2106 Mar	153.4577789	0.05178893	0.011645173	0.00087695	12.86297798	0.030489417	70.04055023	0.001765836	0.000875545	5.12923E-06	0.009077111	0.005159063	0.114820942	0.034524962	7.29366E-06	36.33994675	3.57887E-05	0.000968153	0.000426493
2106 Apr	153.9969025	0.051908445	0.011672179	0.000878957	12.8934803	0.030589588	70.31721497	0.001774562	0.000877547	5.14247E-06	0.009098712	0.005179904	0.115121357	0.034606311	7.31335E-06	36.46420288	3.58741E-05	0.000970891	0.000427556
2106 May	154.6960449	0.052628573	0.012019418	0.000886846	13.17987728	0.030609619	70.07106018	0.001783479	0.000885448	5.17841E-06	0.00912232	0.005185632	0.114337966	0.03511912	7.33377E-06	36.86733246	3.59379E-05	0.00097207	0.000437171
2106 Jun	134.2939301	0.047345404	0.012153328	0.000888573	12.71114731	0.027692061	56.77542114	0.001614384	0.000887477	5.03871E-06	0.008563404	0.004380956	0.092674538	0.032396287	6.75607E-06	33.07551193	3.28024E-05	0.00083153	0.000410662
2106 Jul	142.578064	0.045054138	0.011842944	0.000899093	12.34370899	0.028284915	62.94587326	0.001703149	0.000897924	5.16277E-06	0.008930383	0.004741731	0.103345707	0.032873262	7.09378E-06	34.16646576	3.50594E-05	0.000895989	0.000410174
2106 Aug	150.8067627	0.043562621	0.011398778	0.000890106	12.03897095	0.028985623	69.46786499	0.001734437	0.000888869	5.19043E-06	0.009155208	0.005088207	0.116422005	0.033655822	7.37758E-06	35.19879913	3.68299E-05	0.000969369	0.000412057
2106 Sep	152.3341064	0.044063441	0.010917855	0.000878949	11.82201862	0.029654417	71.28601837	0.001739638	0.000877704	5.15566E-06	0.009164157	0.00517071	0.119962707	0.033352602	7.41204E-06	35.17370987	3.6831E-05	0.000984129	0.000402399
2106 Oct	152.4048157	0.045124993	0.010750896	0.000876711	11.78658295	0.029928604	71.52664185	0.001737899	0.000875469	5.1471E-06	0.00919306	0.005177094	0.12050429	0.033227809	7.4136E-06	35.10387421	3.68403E-05	0.000985115	0.000398895
2106 Nov	152.7517242	0.045203686	0.010760473	0.000877739	11.80046082	0.029979117	71.72599792	0.001741183	0.000876494	5.15443E-06	0.009210097	0.005189851	0.120848723	0.033286154	7.42764E-06	35.1725502	3.69209E-05	0.000987545	0.000399521
2106 Dec	152.921875	0.045212079	0.010760333	0.000877785	11.80138779	0.029996755	71.83647156	0.001743477	0.000876538	5.15596E-06	0.009214445	0.005197036	0.120991491	0.033301435	7.43224E-06	35.2044487	3.69474E-05	0.000988555	0.00039969
2107 Jan	153.0854645	0.045214269	0.010760279	0.000877758	11.80213642	0.030022997	71.93852997	0.00174753	0.000876509	5.15715E-06	0.009215064	0.005204914	0.121025704	0.033303175	7.43476E-06	35.24002457	3.69502E-05	0.000989014	0.00039976
2107 Feb	153.2753906	0.04521982	0.010761814	0.000877824	11.80437374	0.030053522	72.0538559	0.001752032	0.000876573	5.15896E-06	0.009216597	0.00521382	0.12107271	0.033308916	7.43819E-06	35.28184891	3.69568E-05	0.000989599	0.000399888
2107 Mar	153.5281372	0.045240402	0.010766825	0.000878202	11.81053448	0.03009643	72.20058441	0.001757405	0.000876948	5.16268E-06	0.009221438	0.005225023	0.121164046	0.033325851	7.4444E-06	35.3378067	3.69765E-05	0.000990554	0.000400148
2107 Apr	153.8924866	0.045290865	0.010778892	0.00087917	11.82450962	0.030161167	72.40135193	0.001764199	0.000877912	5.16993E-06	0.0092325	0.00524017	0.12133792	0.03336484	7.45574E-06	35.41924667	3.7021E-05	0.000992193	0.000400675
2107 May	151.050827	0.046516519	0.011392875	0.000885676	12.30914593	0.02970285	69.33601379	0.00173321	0.000884477	5.16615E-06	0.009110085	0.005084921	0.115796722	0.033824392	7.34068E-06	35.41435623	3.62578E-05	0.000966393	0.000413759
2107 Jun	141.8303986	0.049096424	0.013054123	0.000897966	13.53861809	0.028072504	60.11823654	0.001645215	0.000896952	5.12005E-06	0.008687746	0.004613123	0.098647885	0.034747235	6.95412E-06	35.12711716	3.38206E-05	0.000883408	0.000446749
2107 Jul	151.3985901	0.048202563	0.012899138	0.000901881	13.41895008	0.028963944	66.7816925	0.001744799	0.000900785	5.21637E-06	0.008978556	0.0050176	0.109298281	0.035652325	7.26832E-06	36.6939888	3.57098E-05	0.000950946	0.000453952
2107 Aug	162.3078918	0.048152339	0.012881104	0.000908862	13.4554882	0.029906282	74.04722595	0.001838139	0.000907676	5.33327E-06	0.009344646	0.005453971	0.121711366	0.037019104	7.63392E-06	38.57762527	3.80077E-05	0.001031362	0.000467182
2107 Sep	166.28302	0.049041126	0.012733962	0.000909665	13.43945599	0.030552313	76.81324005	0.001884297	0.000908446	5.3693E-06	0.009483304	0.00562208	0.125865459	0.03729685	7.75537E-06	39.22675323	3.86991E-05	0.001057431	0.000468006
2107 Oct	164.9328461	0.050239	0.012420798	0.000903855	13.31287003	0.0308674	76.33822632	0.001877719	0.00090265	5.33553E-06	0.009458148	0.005583247	0.124885701	0.036776755	7.7029E-06	38.83205032	3.83203E-05	0.001046751	0.000458754
2107 Nov	163.5380096	0.050807428	0.012298787	0.000902294	13.27027607	0.030952735	75.56621552	0.001864179	0.000901103	5.31894E-06	0.009433659	0.00553075	0.123733506	0.036500618	7.66229E-06	38.5200119	3.8039E-05	0.001037216	0.000454206
2107 Dec	163.7488251	0.050811443	0.012296766	0.000902229	13.26932526	0.030962331	75.71205139	0.001865487	0.000901036	5.32024E-06	0.009440824	0.00553907	0.123999782	0.036527075	7.66889E-06	38.55418777	3.80886E-05	0.001038893	0.000454458
2108 Jan	163.911911	0.050813921	0.012296554	0.00090219	13.26977921	0.0309809	75.81736755	0.001868367	0.000900996	5.32134E-06	0.00944322	0.005546362	0.124097787	0.036536448	7.67233E-06	38.58653641	3.81046E-05	0.001039666	0.000454587

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 Feb	164.0740814	0.050815914	0.012297327	0.000902176	13.27104568	0.03100518	75.91764832	0.001872183	0.00090098	5.32255E-06	0.009444092	0.005554026	0.124139756	0.036540519	7.67499E-06	38.62187958	3.81095E-05	0.00104017	0.000454688
2108 Mar	164.3287048	0.050842788	0.012303981	0.000902627	13.27882004	0.031048436	76.06216431	0.001877404	0.000901428	5.3266E-06	0.009449565	0.005565081	0.124236368	0.03656128	7.68157E-06	38.67905045	3.81317E-05	0.001041172	0.000455001
2108 Apr	165.2288361	0.051082082	0.012363211	0.000906651	13.34257221	0.03121262	76.49712372	0.001889928	0.000905445	5.35159E-06	0.009491713	0.005597692	0.12480367	0.036731642	7.71802E-06	38.89185715	3.83012E-05	0.001046223	0.000457223
2108 May	167.5344086	0.051730204	0.012553656	0.000915252	13.53231812	0.03159897	77.54158783	0.001927521	0.00091403	5.4067E-06	0.009570615	0.005682802	0.125706285	0.037167873	7.79366E-06	39.48920059	3.86087E-05	0.001056847	0.00046383
2108 Jun	146.6935272	0.04615169	0.012131271	0.000922801	12.68832493	0.029418292	64.7831192	0.001780846	0.000921794	5.30365E-06	0.00910635	0.004897977	0.104879797	0.033595271	7.26834E-06	35.21549606	3.5555E-05	0.000913673	0.000419579
2108 Jul	154.5354004	0.045360681	0.012103948	0.000940654	12.62538624	0.030319314	69.89308167	0.001895965	0.000939589	5.4532E-06	0.009434671	0.005231152	0.112054892	0.034205679	7.5668E-06	36.56467056	3.72872E-05	0.000963258	0.000424185
2108 Aug	166.0553894	0.045998778	0.012242974	0.000956222	12.8177309	0.03143606	77.15820313	0.001998876	0.000955076	5.61258E-06	0.009866839	0.005678164	0.12440002	0.035833556	7.97186E-06	38.67825699	3.97759E-05	0.001046411	0.000441362
2108 Sep	168.7320251	0.046605073	0.012132435	0.000956281	12.81046391	0.03193811	79.02903748	0.002032089	0.000955116	5.63468E-06	0.009946886	0.005793078	0.127093151	0.035996582	8.04983E-06	39.12110138	4.01545E-05	0.001063257	0.00044151
2108 Oct	161.7392883	0.049503732	0.011478556	0.000939866	12.57310295	0.032295346	75.276474	0.001967602	0.000938766	5.51058E-06	0.009749797	0.00553812	0.120934494	0.034519609	7.80171E-06	37.57368851	3.84691E-05	0.001012948	0.000418326
2108 Nov	160.7597198	0.050195601	0.011374791	0.000938768	12.55524445	0.032456379	74.72387695	0.001961639	0.000937678	5.49895E-06	0.009731128	0.005502708	0.119921543	0.034296397	7.76982E-06	37.36437988	3.82074E-05	0.00100501	0.000414617
2108 Dec	160.964447	0.050205614	0.011374276	0.000938804	12.55601978	0.032473557	74.85923004	0.001963788	0.000937712	5.50069E-06	0.009737232	0.005511077	0.120127641	0.034318484	7.77581E-06	37.40096283	3.82462E-05	0.001006393	0.000414846
2109 Jan	161.109024	0.050209478	0.011374463	0.000938785	12.55698967	0.032496519	74.94904327	0.001967281	0.000937692	5.50176E-06	0.009737919	0.005517974	0.120161377	0.034321018	7.7781E-06	37.4324379	3.82494E-05	0.001006818	0.00041492
2109 Feb	161.2745667	0.050214868	0.01137605	0.000938832	12.55914974	0.032523233	75.04898071	0.001971274	0.000937737	5.50328E-06	0.009739011	0.005525762	0.120196819	0.034325812	7.78094E-06	37.46934128	3.82538E-05	0.001007303	0.000415035
2109 Mar	161.5376129	0.050243977	0.01138284	0.000939347	12.56722736	0.032569218	75.19783783	0.001976699	0.00093825	5.5077E-06	0.009745096	0.005537169	0.120297022	0.034347147	7.78798E-06	37.52825165	3.82779E-05	0.001008341	0.00041535
2109 Apr	162.2724609	0.050394446	0.011417308	0.000942104	12.60609436	0.032706592	75.57899475	0.001988959	0.000941001	5.52594E-06	0.009774803	0.0055659	0.120701551	0.034452192	7.81497E-06	37.6958313	3.83949E-05	0.001012028	0.000416707
2109 May	158.3302765	0.051873513	0.012282072	0.000947938	13.27443981	0.031957816	71.36307526	0.001940557	0.000946906	5.50496E-06	0.009576549	0.005349914	0.11317642	0.035123993	7.64302E-06	37.69272614	3.72862E-05	0.0009771	0.000435701
2109 Jun	152.1859436	0.053839616	0.01375027	0.000954186	14.35469151	0.030463977	64.66831207	0.0018602	0.000953278	5.45659E-06	0.009236899	0.005007616	0.101195551	0.036300544	7.35523E-06	37.75541687	3.55699E-05	0.000922872	0.000468824
2109 Jul	161.8990173	0.052471071	0.013495971	0.000953379	14.13642216	0.031151846	71.74780273	0.001934385	0.000952413	5.53295E-06	0.00954166	0.005414591	0.113820605	0.03727157	7.68452E-06	39.2062149	3.7722E-05	0.000999217	0.000475426
2109 Aug	170.1805267	0.05141544	0.013278272	0.000956224	13.99451447	0.032035269	77.72445679	0.002001168	0.000955209	5.61489E-06	0.00979663	0.005762615	0.124435276	0.038137469	7.97871E-06	40.4728775	3.94076E-05	0.001063047	0.000480953
2109 Sep	172.4497375	0.051972143	0.012889983	0.000945137	13.78165913	0.032229871	79.99130249	0.001987748	0.000944117	5.5841E-06	0.009895787	0.005858693	0.129827142	0.038179938	8.05053E-06	40.55015564	4.01061E-05	0.001089636	0.000476414
2109 Oct	167.2205353	0.054219969	0.012108929	0.000924868	13.40365028	0.032599334	77.70596313	0.001945531	0.00092389	5.45837E-06	0.009737585	0.005688147	0.125839844	0.036665786	7.84679E-06	39.20418167	3.87934E-05	0.001052046	0.000451589
2109 Nov	167.2257996	0.054542985	0.012056786	0.000924701	13.39353657	0.032718163	77.75659943	0.001948246	0.000923724	5.45825E-06	0.009744654	0.005690876	0.125827208	0.036603279	7.84671E-06	39.18621445	3.87643E-05	0.001051422	0.000450226
2109 Dec	167.4442749	0.054553803	0.012056742	0.000924772	13.39468479	0.032734625	77.90084839	0.001950213	0.000923794	5.46025E-06	0.009751859	0.005699605	0.126064137	0.036629763	7.8535E-06	39.22468567	3.88099E-05	0.001052987	0.000450499
2110 Jan	167.6282043	0.054559723	0.012057476	0.000924804	13.3963232	0.032762878	78.01454926	0.001954366	0.000923824	5.46186E-06	0.009753569	0.005708177	0.126122892	0.036635768	7.8569E-06	39.26418686	3.88184E-05	0.001053613	0.000450616
2110 Feb	167.8395996	0.054565959	0.012059208	0.000924869	13.39883041	0.032796837	78.14287567	0.001959403	0.000923888	5.46383E-06	0.009755163	0.005718107	0.126173273	0.036641974	7.86065E-06	39.31086349	3.88252E-05	0.001054255	0.000450758
2110 Mar	168.0861816	0.0545871	0.01206407	0.000925206	13.40486908	0.032838743	78.28594208	0.001964739	0.000924222	5.46731E-06	0.009759513	0.005729097	0.126255766	0.03665778	7.86646E-06	39.36584473	3.88426E-05	0.001055153	0.000451011
2110 Apr	168.5700226	0.054683875	0.012085563	0.000926834	13.42944622	0.032926992	78.54032135	0.001972885	0.000925847	5.47845E-06	0.009777536	0.005748224	0.126516089	0.036724508	7.88332E-06	39.47615051	3.89145E-05	0.001057535	0.000451888
2110 May	168.9352264	0.055168811	0.01235235	0.00093145	13.64218426	0.032869849	78.26183319	0.001975423	0.000930472	5.49774E-06	0.009782836	0.005745265	0.125842169	0.037106432	7.88912E-06	39.7502594	3.89317E-05	0.001057792	0.000459283
2110 Jun	145.8125763	0.051311258	0.013073965	0.00092334	13.66683483	0.029135661	62.22154999	0.001737156	0.000922595	5.27398E-06	0.009011506	0.004779385	0.10028255	0.035045125	7.1463E-06	35.94164658	3.49173E-05	0.000899304	0.000448799
2110 Jul	155.4664917	0.049661867	0.012818939	0.000927023	13.39638329	0.029744579	69.22727966	0.001825028	0.000926228	5.37285E-06	0.009362136	0.005187418	0.112421267	0.035855956	7.489E-06	37.35246658	3.72467E-05	0.000973853	0.000453328
2110 Aug	157.3288879	0.046029292	0.011793035	0.000900404	12.60946751	0.030218974	72.79840851	0.001789034	0.000899613	5.27999E-06	0.009290092	0.005320822	0.121406354	0.035237052	7.56897E-06	36.82603073	3.74404E-05	0.001008143	0.00043353
2110 Sep	154.7288666	0.047587972	0.011107558	0.000883246	12.28744507	0.030709546	72.15828705	0.001758448	0.000882478	5.18765E-06	0.009201913	0.005245947	0.12079639	0.034208614	7.46297E-06	35.96430206	3.66736E-05	0.000992975	0.000414233
2110 Oct	150.1649933	0.050575174	0.010479225	0.000870819	12.06466675	0.031209223	69.94939423	0.001716895	0.000870085	5.10088E-06	0.009118307	0.005085107	0.117274977	0.033037852	7.30453E-06	34.83998489	3.56394E-05	0.00096062	0.000394208
2110 Nov	148.6650848	0.051256504	0.010336872	0.000868035	12.01360416	0.031283438	69.14291382	0.001701272	0.000867312	5.07775E-06	0.009088865	0.005028856	0.116082273	0.032731645	7.25663E-06	34.49847412	3.53332E-05	0.0009505	0.000389191
2110 Dec	148.8499756	0.051268362	0.010335756	0.000868055	12.01390934	0.031294338	69.26829529	0.001702405	0.000867331	5.07925E-06	0.009095729	0.005036039	0.116314352	0.032756381	7.2627E-06	34.52903366	3.53776E-05	0.000951971	0.000389426
2111 Jan	149.0163116	0.051270831	0.010335714	0.000868006	12.01447964	0.031313203	69.37532806	0.001705395	0.000867281	5.08032E-06	0.009097994	0.005043497	0.116410337	0.032765731	7.26611E-06	34.56233215	3.53931E-05	0.000952742	0.000389561
2111 Feb	149.2024231	0.051271684	0.010336474	0.000867967	12.01571369	0.031340446	69.49090576	0.001709784	0.00086724	5.08162E-06	0.009098819	0.005052321	0.116458006	0.032770034	7.26905E-06	34.60282898	3.53983E-05	0.000953316	0.000389674
2111 Mar	149.5202789	0.051313624	0.010345248	0.000868648	12.02651691	0.031397182	69.66931915	0.001716096	0.000867919	5.08721E-06	0.00910685	0.005065904	0.11659003	0.032798823	7.27796E-06	34.67404938	3.54299E-05	0.000954628	0.000390082
2111 Apr	150.2069702	0.051483348	0.010379646	0.000871504	12.06717682	0.03153196	70.01914978	0.001726597	0.000870772	5.10551E-06	0.009137669	0.005091934	0.117012642	0.032909136	7.30502E-06	34.83069992	3.555E-05	0.000958311	0.000391455
2111 May	150.4914856	0.052390292	0.010920862	0.000880048	12.4898634	0.031402357	69.13951111	0.001737057	0.00087933	5.13759E-06	0.009115257	0.005072904	0.11462798	0.033556886	7.29165E-06	35.3285408	3.53859E-05	0.000952986	0.000405403
2111 Jun	138.6699829	0.051738605	0.01233958	0.000889229	13.26832962	0.028937452	58.96086121	0.001624434	0.000888639	5.06595E-06	0.008654335	0.004520173	0.096697815	0.033688735	6.86156E-06	34.21352005	3.30196E-05	0.000859639	0.000426753
2111 Jul	151.3502655	0.051741123	0.012414948	0.00090376	13.35369492	0.03005149	67.14048004	0.001756091	0.000903108	5.23219E-06	0.009109095	0.005029389	0.10974367	0.035217877	7.2923E-06	36.48906326	3.57197E-05	0.000947787	0.000442613
2111 Aug	157.0238953	0.049416374	0.011795981	0.000888816	12.87504482	0.03052222	72.36707306	0.001762998	0.000888143	5.21605E-06	0.009230371	0.005286513	0.120869786	0.035453267	7.49282E-06	36.92370605	3.69521E-05	0.00100505	0.000436727
2111 Sep	159.9716644	0.049388617	0.011473582	0.000883857	12.71929264	0.0311941	74.84378052	0.001796157	0.000883172	5.22043E-06	0.009285927	0.005425202	0.124851607	0.035385139	7.57788E-06	37.25488281	3.72483E-05	0.001026384	0.000431457
2111 Oct	155.6618195	0.051439185	0.010978773	0.000873982	12.51852703	0.031511787	72.64544678	0.001762386	0.000873321	5.1468E-06	0.009189069	0.005273808	0.121091694	0.034328941	7.42911E-06	36.2434082	3.62611E-05	0.000994725	0.000414393
2111 Nov	151.7637177	0.053171918	0.010649903	0.000869917	12.41316319	0.031757656	70.44913483	0.001726572	0.000869281	5.10148E-06	0.009122985	0.005126694	0.117688991	0.033559356	7.31345E-06	35.38724518	3.54688E-05	0.00096735	0.000401909
2111 Dec	151.9069977	0.053224299	0.010643506	0.000869964	12.41293144	0.031781465	70.54977417	0.001727849	0.000869327	5.10285E-06	0.009129416	0.005132522	0.117860071	0.03357156	7.31823E-06	35.40937042	3.54998E-05	0.000968386	0.00040194
2112 Jan	152.0141144	0.053228255	0.01064369	0.000869929	12.41350651	0.031789955	70.61978912	0.001729188	0.000869292	5.10351E-06	0.00913176	0.005137018	0.117952377	0.033581886	7.32087E-06	35.4295578	3.55162E-05	0.000969037	0.000402065
2112 Feb	152.139679	0.053235155	0.010645788	0.000869982	12.41579723	0.031803418	70.69667053	0.001731148	0.000869344	5.10469E-06	0.009134259	0.005142334	0.118033916	0.033593982	7.32391E-06	35.45552826	3.55316E-05	0.000969687	0.000402234
2112 Mar	152.4403076	0.053286724	0.010656488	0.000870793	12.42857552	0.031854715	70.86165619	0.001736131	0.000870153	5.1107E-06	0.009144321	0.005154443	0.118205704	0.033631854	7.33372E-06	35.52219391	3.55741E-05	0.000971188	0.000402727
2112 Apr	153.0554962	0.053438589	0.010687074	0.000873257	12.46481991	0.031973239	71.17639923	0.001745424	0.000872614	5.12663E-06	0.009171317	0.00517776	0.118587688	0.033730775	7.35758E-06	35.66244125	3.56804E-05	0.000974502	0.000403965
2112 May	152.1678772	0.054392032	0.011416121	0.00088117	12.99882889	0.031396482	69.27622223	0.001721468	0.000880554	5.14234E-06	0.009118416	0.005090713	0.11539802	0.034603823	7.30767E-06	36.03783035	3.54735E-05	0.00096524	0.000422797
2112 Jun	128.4821014	0.04837868	0.012144374	0.000875182	12.79633808	0.026957519	53.07318497	0.001486574	0.000874739	4.92821E-06	0.008377868	0.0041131	0.089573503	0.032279518	6.57036E-06	31.99539375	3.1877E-05	0.000805256	0.00040986
2112 Jul	136.6555634	0.045804426	0.011760256	0.00087853	12.34762859	0.027445618	59.33763885	0.001587469	0.000878052	5.01909E-06	0.008681869	0.004483593	0.099532023	0.032517973	6.86575E-06	33.04996109	3.38972E-05	0.000865333	0.000406968
2112 Aug	147.0968933	0.046003032	0.01175375	0.000885526	12.40992832	0.028282229	66.28159332	0.001659763	0.000885007	5.13153E-06	0.009061425	0.00488967	0.112252571	0.033947662	7.22858E-06	34.82438278	3.62645E-05	0.000946826	0.00042057
2112 Sep	151.6103973	0.04624648	0.01155907	0.000882516	12.33697987	0.028925272	69.56114197	0.001710761	0.000881977	5.15481E-06	0.009170345	0.005086004	0.117196277	0.034201097	7.35404E-06	35.53120804	3.69226E-05	0.000977145	0.000420729
2112 Oct	153.6580353	0.04690798	0.011358663	0.000876982	12.25179672	0.029255683	71.22150421	0.001733955	0.000876434	5.14675E-06	0.009222817	0.005180577	0.119615875	0.03419378	7.39711E-06	35.7949791	3.72205E-05	0.000990602	0.000418568
2112 Nov	154.1747894	0.047079284	0.011329556	0.000876679	12.2453537	0.029319562	71.60697174	0.00173592	0.000876128	5.14947E-06	0.009246883	0.005200917	0.120389156	0.034246974	7.41483E-06	35.86454391	3.73534E-05	0.000995044	0.000418703
2112 Dec	154.2904816	0.047095496	0.011330872	0.000876852	12.24776173	0.02933101	71.67945099	0.001736806	0.000876301	5.15114E-06	0.009251844	0.005205285	0.120519735	0.034264594	7.41906E-06	35.88556671	3.73808E-05	0.000995913	0.000418885
2113 Jan	154.4100647	0.047095198	0.011330121	0.000876769	12.24733734	0.029337328	71.76097107	0.001737954	0.000876217	5.15166E-06	0.009254782	0.005210219	0.120645508	0.034277037	7.4222E-06	35.90640259	3.7403E-05	0.000996743	0.00041902
2113 Feb	154.5344391	0.04710114	0.011331808	0.000876834	12.2494173	0.029356167	71.83560181	0.001740675	0.000876281	5.15293E-06	0.009256202	0.005215887	0.120685957	0.034283299	7.42466E-06	35.93377304	3.74098E-05	0.000997182	0.000419133
2113 Mar	154.9085541	0.047171444	0.01134886	0.000878117	12.2682848	0.02942005	72.03324127	0.001746449	0.000877564	5.16165E-06	0.009271104	0.005230393	0.120916583	0.03433869	7.43827E-06	36.01768112	3.74725E-05	0.000999176	0.000419844
2113 Apr	155.4990082	0.047304202	0.011380876	0.000880575	12.30346394	0.029527215	72.33233643	0.001755157	0.000880019	5.17736E-06	0.009297899	0.005252531	0.12129166	0.034437314	7.46167E-06	36.15251923	3.75814E-05	0.001002435	0.000421095
2113 May	154.8439178	0.048547145	0.011998169	0.000888998	12.80104828	0.029300392	70.68724823	0.001749814	0.000888459	5.19946E-06	0.00924305	0.005187293	0.117849082	0.035129085	7.41588E-06	36.54517365	3.7217E-05	0.000990935	0.000436529
2113 Jun	140.4019318	0.048727591	0.013190158	0.000897259	13.51257038	0.027150694	59.05712509	0.001611616	0.000896824	5.10626E-06	0.008724526	0.004537501	0.097838961	0.034785584	6.92035E-06	34.85306549	3.42279E-05	0.000879605	0.000449517
2113 Jul	150.0394592	0.048074514	0.013103961	0.000906772	13.45750904	0.028093588	65.5959549	0.001707497	0.000906301	5.22867E-06	0.009062867	0.004934983	0.108667821	0.03583103	7.26134E-06	36.46134949	3.62833E-05	0.000949031	0.000458386
2113 Aug	159.7926025	0.047733609	0.012996701	0.000910255	13.41732979	0.028864883	72.33272552	0.001773626	0.000909751	5.32157E-06	0.009398617	0.005323957	0.121055245	0.037062336	7.59906E-06	38.03767014	3.84742E-05	0.001026184	0.000468994
2113 Sep	161.6149445	0.048320632	0.012629958	0.000902145	13.23752213	0.029264128	74.17850494	0.001775557	0.000901636	5.30182E-06	0.009465175	0.00540896	0.124898203	0.036965761	7.65388E-06	38.10274887	3.88531E-05	0.001044416	0.000463161
2113 Oct	156.0813446	0.050859123	0.011848408	0.000884372	12.88529587	0.029748911	71.64052582	0.001731882	0.000883887	5.18541E-06	0.009315269	0.005224778	0.12052191	0.035437088	7.45098E-06	36.71368408	3.74822E-05	0.001004241	0.000437875
2113 Nov	153.8574524	0.052189913	0.011620558	0.000883258	12.83037472	0.030047305	70.40427399	0.001712698	0.000882783	5.16569E-06	0.009291414	0.00514147	0.118629046	0.034969419	7.3916E-06	36.21185684	3.7013E-05	0.000988361	0.000429689
2113 Dec	153.9723816	0.052212317	0.011621363	0.000883448	12.83291245	0.030060079	70.47658539	0.001713485	0.000882972	5.16743E-06	0.009296776	0.005145751	0.118764982	0.034987364	7.39598E-06	36.23232651	3.70416E-05	0.00098925	0.000429862
2114 Jan	154.0534515	0.052218463	0.011621971	0.000883462	12.83397961	0.030068377	70.52783966	0.001714607	0.000882986	5.16811E-06	0.009298611	0.005149152	0.11882744	0.034995299	7.39802E-06	36.24828339	3.7053E-05	0.000989711	0.000429962
2114 Feb	154.1774597	0.052221928	0.011623206	0.000883467	12.83556175	0.030087672	70.60289001	0.001717608	0.00088299	5.1691E-06	0.009299157	0.005155006	0.118852258	0.034998741	7.39999E-06	36.27607346	3.70555E-05	0.000990066	0.000430051
2114 Mar	154.4343414	0.05226288	0.011632571	0.00088413	12.84632969	0.030132974	70.74256134	0.00172241	0.000883653	5.17411E-06	0.009306706	0.005165635	0.118968114	0.03502728	7.40776E-06	36.33449554	3.70857E-05	0.000991198	0.00043045
2114 Apr	154.9012451	0.052367117	0.011655914	0.000885877	12.8726759	0.030218542	70.98246765	0.001729822	0.000885398	5.18564E-06	0.009325841	0.005183604	0.119236603	0.035098732	7.425E-06	36.44164658	3.71621E-05	0.000993612	0.000431377
2114 May	152.1993103	0.053466443	0.01250679	0.000890765	13.49654675	0.029397748	67.68286133	0.001687209	0.000890317	5.17009E-06	0.009170901	0.005017539	0.11349988	0.035908617	7.2938E-06	36.61090851	3.64231E-05	0.000969714	0.000451685
2114 Jun	150.2444153	0.054708358	0.013753428	0.000902227	14.38194466	0.028376672	64.15378571	0.001657581	0.000901818	5.18453E-06	0.009022498	0.004861285	0.106759995	0.037220873	7.17435E-06	37.20682144	3.5777E-05	0.000946695	0.000482505
2114 Jul	163.5125427	0.054856993	0.013843355	0.000916734	14.501194	0.029553596	72.70848083	0.001784963	0.000916281	5.35434E-06	0.009495229	0.005389015	0.120826334	0.038930077	7.6275E-06	39.59243011	3.86067E-05	0.001040868	0.000500335
2114 Aug	173.9810333	0.055623803	0.014022827	0.000934187	14.73113632	0.030620474	79.18572235	0.001875129	0.000933703	5.51397E-06	0.009908441	0.005788892	0.132062316	0.040523335	8.00916E-06	41.54711533	4.09233E-05	0.001117022	0.000517472
2114 Sep	174.3900299	0.055868693	0.013509869	0.000923015	14.43589115	0.030986615	80.38270569	0.001863152	0.000922532	5.47178E-06	0.009926652	0.005826076	0.13503696	0.040079776	8.02333E-06	41.24885178	4.10079E-05	0.001126796	0.000506051
2114 Oct	173.7912445	0.056875803	0.012952271	0.000908662	14.12526989	0.03129705	80.92042542	0.001855604	0.000908182	5.40711E-06	0.009912341	0.005830625	0.136073336	0.039385013	7.98066E-06	40.795784	4.08286E-05	0.001124799	0.000492363
2114 Nov	170.4487457	0.057823885	0.012524333	0.000898905	13.89677143	0.031402521	79.39186859	0.001820254	0.000898438	5.34123E-06	0.009831902	0.00571477	0.133939803	0.038549177	7.87064E-06	39.93707657	4.01555E-05	0.001103576	0.000478373
2114 Dec	170.4779358	0.057872571	0.012508164	0.000898628	13.8894062	0.031419523	79.43608093	0.001820237	0.000898161	5.34036E-06	0.009834479	0.005716519	0.134032279	0.038537458	7.87156E-06	39.9319191	4.0164E-05	0.001103911	0.000478043

Appendix D.2-1: CP1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Jan	170.5581512	0.057879381	0.01250879	0.000898642	13.8904562	0.031424813	79.4879837	0.001820883	0.000898174	5.34101E-06	0.009837026	0.00571965	0.134119272	0.038548522	7.87397E-06	39.94654846	4.01807E-05	0.001104492	0.000478167
2115 Feb	170.6805725	0.057885129	0.012510655	0.000898675	13.89247131	0.031437229	79.56359863	0.001822748	0.000898207	5.34208E-06	0.009839413	0.005724831	0.134201556	0.038560301	7.87691E-06	39.9716301	4.01959E-05	0.001105138	0.000478331
2115 Mar	170.8702087	0.057907358	0.012515797	0.00089899	13.89843941	0.031465888	79.67225647	0.001826133	0.000898521	5.34497E-06	0.009844115	0.005732806	0.134298891	0.038579397	7.8821E-06	40.01321411	4.02176E-05	0.001106013	0.000478599
2115 Apr	171.563858	0.058064166	0.01254988	0.000901407	13.93707657	0.031586319	80.03242493	0.001836559	0.000900936	5.36123E-06	0.00987214	0.005759321	0.134724751	0.03868822	7.90732E-06	40.17115402	4.03338E-05	0.001109728	0.00048001
2115 May	167.4001007	0.058769722	0.013294624	0.000906981	14.4642601	0.030866165	75.90457153	0.00180342	0.000906538	5.34115E-06	0.009660703	0.005551933	0.126765147	0.039039306	7.73053E-06	40.0394249	3.91448E-05	0.001071014	0.000494161
2115 Jun	166.2213593	0.059995059	0.014208429	0.00092419	15.15496635	0.030519292	73.34014893	0.001800092	0.00092377	5.39638E-06	0.009602387	0.005450005	0.121470861	0.039978936	7.68059E-06	40.55007935	3.86871E-05	0.001052746	0.00051557
2115 Jul	177.031189	0.059856139	0.014229089	0.000936001	15.21307182	0.031395588	80.50283813	0.001873721	0.000935552	5.53505E-06	0.010024462	0.005870195	0.134838462	0.0415425	8.08163E-06	42.3820343	4.12793E-05	0.001137989	0.000530614
2115 Aug	178.293457	0.057355326	0.013564004	0.0009206	14.67428398	0.031641476	82.838974	0.001857832	0.000920151	5.48483E-06	0.010002964	0.005960162	0.14051567	0.04106022	8.14075E-06	42.03275299	4.15183E-05	0.001160066	0.000516743
2115 Sep	181.4294586	0.056976911	0.013251889	0.000916467	14.49676418	0.032284409	85.44180298	0.001898261	0.00091601	5.49518E-06	0.010060897	0.006109954	0.144488841	0.040976882	8.23279E-06	42.39834595	4.18556E-05	0.001181809	0.000511508
2115 Oct	184.0475006	0.05739785	0.013047817	0.000911685	14.39164925	0.0326964	87.46967316	0.001940654	0.000911219	5.496E-06	0.010116517	0.006235141	0.1468779	0.040925961	8.28712E-06	42.77923965	4.21683E-05	0.001196135	0.000508996
2115 Nov	181.4955139	0.05869358	0.012687112	0.000907201	14.23752975	0.033048362	86.23769379	0.001929145	0.000906744	5.46047E-06	0.010069901	0.006151953	0.144512221	0.040177505	8.20516E-06	42.14835358	4.15486E-05	0.001175941	0.000496545
2115 Dec	181.3660278	0.058797058	0.012668626	0.000907237	14.23262405	0.033076879	86.17054749	0.001928228	0.000906781	5.45989E-06	0.010070498	0.006147283	0.144411057	0.040144362	8.20241E-06	42.11608505	4.15243E-05	0.001175007	0.00049592
2116 Jan	181.4942627	0.0588012	0.012668593	0.0009072	14.23304844	0.03308465	86.25591278	0.00192943	0.000906744	5.46069E-06	0.010074016	0.006152479	0.144545019	0.04015917	8.20597E-06	42.13897324	4.15489E-05	0.001175901	0.000496084
2116 Feb	181.6027985	0.05881672	0.012672636	0.000907378	14.23742008	0.033100337	86.31616974	0.001931309	0.000906921	5.4623E-06	0.010076552	0.006156953	0.144598067	0.040171869	8.20884E-06	42.16365814	4.15608E-05	0.0011764	0.000496272
2116 Mar	181.7967834	0.058842577	0.012678581	0.000907743	14.24436474	0.033132885	86.42462921	0.001935083	0.000907286	5.46546E-06	0.010081062	0.006165198	0.14467828	0.040190428	8.21402E-06	42.20758057	4.15795E-05	0.001177206	0.000496546
2116 Apr	182.4128876	0.058993302	0.012711267	0.00091005	14.28158379	0.033241875	86.73937988	0.00194383	0.000909591	5.48059E-06	0.010107355	0.006188257	0.145076647	0.040294785	8.23735E-06	42.34865952	4.1688E-05	0.001180627	0.000497884
2116 May	180.4451294	0.059505548	0.013221936	0.00091468	14.6370306	0.032653108	84.55316925	0.00190847	0.000914238	5.47692E-06	0.0100341	0.00607094	0.141750678	0.040778235	8.16432E-06	42.35276031	4.13495E-05	0.00116635	0.000509725
2116 Jun	145.3994598	0.0516271	0.013277627	0.000908908	13.83723164	0.028097302	61.94147873	0.001620015	0.000908598	5.19426E-06	0.00899972	0.004699514	0.104435809	0.035943158	7.13014E-06	35.8247261	3.54617E-05	0.000921779	0.000460852
2116 Jul	154.2639923	0.05059522	0.013199873	0.000926244	13.71987152	0.028943736	67.88396454	0.001730355	0.000925913	5.35021E-06	0.009387061	0.005070507	0.113759942	0.036697939	7.4751E-06	37.26597214	3.76195E-05	0.000983379	0.000466083
2116 Aug	162.8942261	0.051150404	0.013295057	0.000939089	13.87400818	0.029791204	73.35075378	0.001794359	0.000938737	5.47508E-06	0.009735691	0.005398113	0.123775154	0.03800866	7.79568E-06	38.81440353	3.96094E-05	0.001049373	0.000479303
2116 Sep	163.9300537	0.051879898	0.012685978	0.000921587	13.53339767	0.030094799	75.17195892	0.00177422	0.000921236	5.40788E-06	0.009772387	0.005459992	0.128219485	0.037622333	7.81368E-06	38.55437851	3.99E-05	0.001066508	0.000467831
2116 Oct	161.8492126	0.054246467	0.011984219	0.000906817	13.23161697	0.030764448	74.79930115	0.00176204	0.000906474	5.33104E-06	0.009730308	0.005410838	0.127380461	0.036598217	7.72195E-06	37.81840515	3.9255E-05	0.001050863	0.000448727
2116 Nov	161.6411896	0.054775447	0.011903662	0.000906901	13.21816921	0.03092489	74.73948669	0.001760093	0.000906559	5.3307E-06	0.0097437	0.005404057	0.127360091	0.036508992	7.72052E-06	37.74267197	3.92163E-05	0.001049492	0.000446577
2116 Dec	161.7814331	0.05477849	0.011901576	0.000906829	13.21710777	0.030932577	74.83737183	0.001761137	0.000906487	5.33145E-06	0.009748093	0.005409725	0.127529517	0.036524545	7.72468E-06	37.76543045	3.92469E-05	0.001050561	0.000446719
2117 Jan	161.8804779	0.054779883	0.011901264	0.000906777	13.21720505	0.030941894	74.90250397	0.001762646	0.000906435	5.33198E-06	0.009749725	0.005414059	0.127601862	0.036531571	7.72685E-06	37.78442383	3.92589E-05	0.001051093	0.000446808
2117 Feb	162.0017548	0.054781001	0.011901936	0.000906751	13.21818733	0.030959833	74.9773941	0.001765533	0.000906408	5.33282E-06	0.009750174	0.005419812	0.127630472	0.03653444	7.72872E-06	37.81106567	3.92616E-05	0.001051456	0.000446886
2117 Mar	162.2068634	0.05481087	0.01190866	0.000907221	13.22601223	0.030995317	75.0906601	0.001769455	0.000906877	5.33655E-06	0.009755724	0.005428419	0.127719894	0.03655538	7.73464E-06	37.85742188	3.92841E-05	0.001052337	0.000447183
2117 Apr	162.9199066	0.054992948	0.011948351	0.00091022	13.27073574	0.031126423	75.44839478	0.001779709	0.000909875	5.35562E-06	0.009788777	0.005454862	0.128177792	0.036678445	7.76305E-06	38.02120972	3.94172E-05	0.001056309	0.000448743
2117 May	161.2893524	0.055921178	0.012539992	0.000918442	13.72904015	0.030871129	73.2022171	0.001774922	0.000918109	5.3705E-06	0.009689915	0.005357638	0.123357877	0.037149563	7.68405E-06	38.234375	3.87744E-05	0.001035928	0.000461626
2117 Jun	152.7004547	0.057215609	0.013916162	0.000931014	14.70151329	0.029531734	64.96250153	0.001706186	0.000930724	5.33761E-06	0.009290978	0.004937727	0.107745171	0.03769939	7.34243E-06	37.82604599	3.64517E-05	0.000958281	0.000486439
2117 Jul	162.3850403	0.057361871	0.01400516	0.000946474	14.82656193	0.030639173	71.08724976	0.001812221	0.000946163	5.48502E-06	0.009638768	0.005326609	0.117345743	0.038930308	7.68467E-06	39.61697006	3.83921E-05	0.00102369	0.000499211
2117 Aug	170.3951569	0.057076573	0.013909941	0.000950295	14.79564953	0.031341553	76.60995483	0.001869597	0.000949967	5.56619E-06	0.009915289	0.005647034	0.127418607	0.039913826	7.96489E-06	40.91259766	4.0157E-05	0.00108651	0.000507366
2117 Sep	173.9320984	0.057486914	0.013782759	0.000950444	14.7617588	0.031854086	79.10631561	0.001909156	0.000950109	5.59595E-06	0.010027919	0.00579747	0.131257504	0.040159915	8.07331E-06	41.47861862	4.07706E-05	0.001110429	0.000508139
2117 Oct	172.3281708	0.058452062	0.013412748	0.000942861	14.58184242	0.032205041	78.563591	0.00191087	0.000942531	5.55335E-06	0.00997147	0.005758367	0.129662201	0.039459627	8.00229E-06	41.01983643	4.02159E-05	0.001095576	0.00049655
2117 Nov	171.6496124	0.058756176	0.013307468	0.000940914	14.53247452	0.032290004	78.26140594	0.001907524	0.000940586	5.54045E-06	0.009953532	0.00573715	0.129067928	0.039248779	7.97792E-06	40.8461647	4.00362E-05	0.001090257	0.000493066
2117 Dec	171.7323456	0.058789533	0.013299794	0.000940852	14.52986145	0.032302715	78.32800293	0.00190769	0.000940523	5.54087E-06	0.009958139	0.005740458	0.12921077	0.039255142	7.98107E-06	40.8548584	4.00602E-05	0.001091031	0.000493019
2118 Jan	171.8178864	0.058795132	0.013300074	0.000940843	14.53065014	0.032310747	78.38311768	0.001908819	0.000940514	5.54148E-06	0.009960032	0.005744052	0.129280582	0.039263356	7.98319E-06	40.871315	4.00726E-05	0.001091532	0.000493119
2118 Feb	171.9203644	0.058801863	0.013302141	0.000940891	14.53298378	0.032327078	78.44284058	0.001911235	0.000940561	5.54249E-06	0.009960755	0.00574877	0.129300624	0.03926817	7.98497E-06	40.89496613	4.00755E-05	0.001091835	0.000493223
2118 Mar	172.0713959	0.058818359	0.01330617	0.000941122	14.53766155	0.032352459	78.52841187	0.001914414	0.000940792	5.54471E-06	0.00996359	0.005755378	0.129351497	0.039279893	7.98861E-06	40.92930984	4.00868E-05	0.001092399	0.00049341
2118 Apr	172.4425659	0.059163079	0.013415104	0.000943239	14.63939953	0.032396272	78.54317474	0.001918076	0.000942909	5.55518E-06	0.009971354	0.005762835	0.129243046	0.039469235	7.99706E-06	41.09049225	4.01061E-05	0.001093674	0.000496756
2118 May	163.1521912	0.060272537	0.014521154	0.000944094	15.41199017	0.030806113	70.47794342	0.001809678	0.000943803	5.46453E-06	0.009551188	0.00531793	0.115442604	0.039811537	7.62907E-06	40.30116272	3.78654E-05	0.001020764	0.000516292
2118 Jun	142.9828033	0.058416568	0.015584788	0.000933333	15.85682487	0.027631678	55.59841156	0.001618406	0.000933113	5.24048E-06	0.00872086	0.004460862	0.08969146	0.038485177	6.89212E-06	37.47415543	3.35189E-05	0.000869351	0.000519422
2118 Jul	156.2166748	0.058775119	0.015730811	0.000950232	16.01954269	0.028664256	64.05569458	0.00172507	0.000949989	5.41976E-06	0.009243063	0.004971661	0.104652576	0.040395815	7.36735E-06	39.83711624	3.66353E-05	0.00096872	0.000539526
2118 Aug	161.3495026	0.057508305	0.01525679	0.000942824	15.68832588	0.029181983	68.49871826	0.001735993	0.000942573	5.43228E-06	0.009408712	0.005193438	0.114161059	0.040682975	7.56317E-06	40.2992897	3.78686E-05	0.001019289	0.00053544
2118 Sep	160.780777	0.05774546	0.014180998	0.000916108	15.00745392	0.02960412	70.12353516	0.001703462	0.000915859	5.31791E-06	0.009394695	0.005220281	0.118544333	0.039513908	7.53267E-06	39.41545105	3.78282E-05	0.001028156	0.000509848
2118 Oct	159.5797424	0.059173673	0.013359656	0.000898109	14.54786968	0.030108921	70.68093109	0.001691239	0.000897863	5.23561E-06	0.009386837	0.005213796	0.119770654	0.03845346	7.4758E-06	38.68273163	3.75629E-05	0.001023136	0.00048891
2118 Nov	159.1321411	0.05968494	0.013160726	0.000894965	14.45047665	0.030296186	70.67797089	0.001689453	0.00089472	5.22022E-06	0.00938704	0.005205884	0.119756952	0.038173124	7.46038E-06	38.48781204	3.74509E-05	0.001020091	0.000483467
2118 Dec	159.1977997	0.059712704	0.013160702	0.000895168	14.45299816	0.030315297	70.71502686	0.001690906	0.000894923	5.2217E-06	0.009389473	0.005208739	0.119781107	0.038177107	7.46247E-06	38.5021019	3.74568E-05	0.001020326	0.000483498
2119 Jan	159.3735657	0.059715934	0.013160666	0.000895146	14.45373058	0.030336862	70.8274765	0.001694181	0.000894901	5.22298E-06	0.009391913	0.005216659	0.119877085	0.038186409	7.46613E-06	38.53754044	3.74723E-05	0.001021114	0.000483632
2119 Feb	159.5454865	0.059721362	0.013162347	0.000895184	14.45583534	0.030358674	70.93373108	0.001697456	0.000894939	5.22449E-06	0.009394345	0.005224321	0.119961292	0.038197305	7.46977E-06	38.57363892	3.74869E-05	0.001021855	0.0004838
2119 Mar	159.8318481	0.059779394	0.013175401	0.000896031	14.47057343	0.030408984	71.08412933	0.001702405	0.000895785	5.23052E-06	0.00940382	0.005235737	0.120101973	0.038235787	7.47899E-06	38.63997269	3.75249E-05	0.001023202	0.000484332
2119 Apr	160.8683167	0.060812227	0.013524763	0.000900645	14.78931046	0.030492377	71.047966	0.001714582	0.000900399	5.25252E-06	0.009402981	0.005255793	0.119419813	0.038800888	7.48907E-06	39.13951111	3.74873E-05	0.001025347	0.000494951
2119 May	149.8098297	0.064015232	0.015722163	0.000905753	16.44002914	0.028284004	59.77135086	0.001585038	0.000905553	5.14436E-06	0.008772419	0.004674802	0.09877	0.040314279	6.97123E-06	38.9728775	3.41879E-05	0.000926883	0.000542526
2119 Jun	147.3273163	0.06260556	0.015921017	0.000904057	16.42693329	0.027519211	57.94524002	0.00156813	0.000903868	5.11577E-06	0.008656838	0.004573951	0.095311515	0.040104933	6.87587E-06	38.62319946	3.37679E-05	0.000907857	0.000543717
2119 Jul	161.1725922	0.062552944	0.015976099	0.000917142	16.4866848	0.028452676	67.03726959	0.001679324	0.000916931	5.28364E-06	0.009191279	0.005116352	0.111372702	0.04194447	7.36249E-06	41.00538635	3.70733E-05	0.001012969	0.000562235
2119 Aug	167.081955	0.062258847	0.015788544	0.000922843	16.41368675	0.029211164	71.29310608	0.001712033	0.000922624	5.35931E-06	0.00943213	0.005351592	0.119949512	0.042617034	7.60302E-06	41.8477211	3.84673E-05	0.001063663	0.000565042
2119 Sep	168.3751831	0.061727609	0.015098787	0.000908541	15.95106697	0.029665612	73.44779205	0.001715887	0.00090832	5.31342E-06	0.009461908	0.005441514	0.124310769	0.041982863	7.64318E-06	41.5664444	3.86994E-05	0.00107995	0.000549483
2119 Oct	168.8482361	0.062327739	0.014493267	0.00089546	15.58007431	0.03009697	74.78133392	0.00172981	0.000895238	5.26503E-06	0.009480207	0.00549858	0.126242653	0.041268319	7.63693E-06	41.26925659	3.87142E-05	0.001083796	0.000534956
2119 Nov	168.1707153	0.062638111	0.014263415	0.000891123	15.44564247	0.030269559	74.68955231	0.001732006	0.000890902	5.24318E-06	0.009459751	0.005487327	0.125793919	0.040870853	7.60788E-06	41.01988602	3.84979E-05	0.001077849	0.000528088
2119 Dec	168.4104004	0.062650174	0.01426275	0.000891196	15.44685936	0.030301353	74.84309387	0.001736207	0.000890974	5.24542E-06	0.009464508	0.005497942	0.125944018	0.040885404	7.61363E-06	41.06700516	3.85244E-05	0.001079013	0.000528262

Appendix D.2-1: CP1

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	8.0E-04	4.4E-02	6.2E-06	1.5E+00	3.0E+00	7.4E-02	1.4E-04	7.8E+00	1.2E-03	1.9E-02	2.7E-04	1.5E-04	8.3E-05	1.4E-01	2.7E-06	6.6E-05	4.8E-04	1.2E-03	1.3E-05
Operations (2020-2043): Mean	2.4E-03	8.4E-02	1.2E-05	1.5E+01	2.2E+01	3.4E-01	2.3E-03	2.8E+02	1.1E-02	1.4E-01	5.9E-04	1.1E-03	5.1E-04	1.6E+00	7.7E-05	2.1E-03	9.3E-04	3.1E-03	2.3E-03
Operations (2020-2043): Max	3.8E-03	2.1E-01	1.5E-05	3.1E+01	3.6E+01	7.6E-01	4.1E-03	5.7E+02	1.7E-02	2.6E+00	1.7E-03	2.5E-03	1.0E-03	4.0E+00	2.2E-04	4.4E-03	1.4E-03	4.7E-03	4.0E-03
Active Closure (2044-2050): Min	9.7E-04	8.3E-02	9.4E-06	1.7E+00	4.6E+00	3.5E-02	6.7E-04	3.3E+01	2.3E-03	8.9E-03	2.8E-04	4.8E-04	1.7E-04	1.3E-01	2.5E-06	2.1E-04	4.7E-04	1.8E-03	3.3E-04
Active Closure (2044-2050): Mean	1.6E-03	9.6E-02	1.1E-05	5.0E+00	9.5E+00	7.5E-02	2.0E-03	5.9E+01	5.0E-03	1.3E-02	4.6E-04	7.9E-04	3.5E-04	3.4E-01	1.0E-05	8.4E-04	6.3E-04	2.1E-03	8.1E-04
Active Closure (2044-2050): Max	2.4E-03	1.6E-01	1.2E-05	1.1E+01	1.7E+01	2.6E-01	5.4E-03	1.9E+02	8.5E-03	3.7E-02	1.1E-03	1.6E-03	6.7E-04	1.1E+00	5.6E-05	2.3E-03	1.1E-03	2.7E-03	1.6E-03
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	9.5E-04	8.9E-02	9.5E-06	3.1E+00	4.0E+00	4.9E-02	1.2E-03	6.4E+00	2.2E-03	9.6E-03	3.9E-04	4.6E-04	1.8E-04	1.7E-01	4.0E-06	5.0E-04	6.3E-04	1.9E-03	2.8E-04
Post Closure (2051-2119): Mean	1.4E-03	1.3E-01	1.0E-05	7.3E+00	7.5E+00	8.8E-02	2.8E-03	9.7E+00	4.1E-03	1.1E-02	7.1E-04	8.3E-04	3.8E-04	3.7E-01	7.6E-06	1.4E-03	8.6E-04	2.1E-03	7.6E-04
Post Closure (2051-2119): Max	2.2E-03	1.7E-01	1.1E-05	1.0E+01	1.5E+01	1.2E-01	5.8E-03	7.3E+01	7.3E-03	1.3E-02	9.7E-04	1.4E-03	6.9E-04	5.2E-01	1.6E-05	2.1E-03	1.1E-03	2.5E-03	1.5E-03
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0.001159083	0.213431299	9.24069E-06	2.01803422	4.32161881	0.10384009	0.000188915	8.499736786	0.001705989	0.466623068	0.000881259	0.000213029	0.000120616	0.179652736	2.67839E-06	7.86955E-05	0.001198841	0.001695285	1.26952E-05
2020 Feb	0.001006001	0.184176117	7.99259E-06	1.807618976	3.779443502	0.091660112	0.000168976	8.69209671	0.001512662	1.214347839	0.000760362	0.000184685	0.00010475	0.167169601	3.0385E-06	7.62335E-05	0.001034783	0.001474016	2.20197E-05
2020 Mar	0.000888848	0.162232444	7.049E-06	1.62316668	3.352581263	0.081698276	0.000151624	8.290460587	0.00135136	1.782660604	0.000669724	0.000163081	9.25807E-05	0.15292342	3.01619E-06	7.10379E-05	0.000911619	0.00130359	2.45639E-05
2020 Apr	0.000798466	0.14545162	6.32449E-06	1.473425388	3.019892693	0.073739797	0.000137943	7.785605907	0.001222162	2.248447895	0.000600584	0.000146707	8.3275E-05	0.140057117	2.87347E-06	6.63447E-05	0.000817451	0.001171493	2.49096E-05
2020 May	0.000857956	0.134741738	6.21448E-06	2.756690025	3.904232502	0.102786459	0.000296778	33.37387085	0.001920248	2.587063789	0.000575987	0.000185478	0.000102152	0.338047415	1.42427E-05	0.000280328	0.000769627	0.001286797	0.000236723
2020 Jun	0.001810065	0.092431396	8.61303E-06	15.73919868	14.02169514	0.437311351	0.001776277	291.6122742	0.009482146	0.78022635	0.000501197	0.0005168	0.000287811	2.411279917	0.000134648	0.002184846	0.000672927	0.003149409	0.002327729
2020 Jul	0.001963391	0.088208839	9.02163E-06	18.81337738	19.40491486	0.469316095	0.002189404	339.0042419	0.010673136	0.61793226	0.000552509	0.000697406	0.000388095	2.463890791	0.000133301	0.002663342	0.000744553	0.003350139	0.002513564
2020 Aug	0.002091964	0.087850451	9.2583E-06	21.28850937	23.87434959	0.505142868	0.002440996	379.2624817	0.011663629	0.687067449	0.000594422	0.000798548	0.000458882	2.543287277	0.000135449	0.002984077	0.000798827	0.003498694	0.002660313
2020 Sep	0.002270044	0.076353662	9.06862E-06	25.12323761	30.09930992	0.539292932	0.002980998	437.9536133	0.013127004	0.62850368	0.000669001	0.001026391	0.000593005	2.611493587	0.000133412	0.003638739	0.000826735	0.003562259	0.002925704
2020 Oct	0.002287998	0.065567642	8.8424E-06	26.38484955	32.43867111	0.570431352	0.002997044	464.4318848	0.013669815	0.640977323	0.000601697	0.000992035	0.0006023	2.729331017	0.000141569	0.003701882	0.000763356	0.003592848	0.00302392
2020 Nov	0.002175696	0.060031258	8.48752E-06	24.99398041	30.34454155	0.55470854	0.002780828	444.3052368	0.013066037	0.824102283	0.000527703	0.000888167	0.000549648	2.688534021	0.000141865	0.003451639	0.000685999	0.003463776	0.002915216
2020 Dec	0.002086088	0.057387434	8.12854E-06	24.00990486	29.20948792	0.532762527	0.002665896	426.8551636	0.012542771	1.043616891	0.000504932	0.000850986	0.000527695	2.578631401	0.00013609	0.003310947	0.000657512	0.003321645	0.002795467
2021 Jan	0.002040489	0.05610719	7.95035E-06	23.48621178	28.5696106	0.521255136	0.002607193	417.5806885	0.012270001	1.152512312	0.000493605	0.000832028	0.000516021	2.523169756	0.000133181	0.003238299	0.00064288	0.003249483	0.002734882
2021 Feb	0.002041111	0.05611458	7.95262E-06	23.49282265	28.57438469	0.521470904	0.002607755	417.7176208	0.012274154	1.152494431	0.000493621	0.000832097	0.000516081	2.524445295	0.000133258	0.003239099	0.000642939	0.003250704	0.002736014
2021 Mar	0.002042518	0.056147996	7.95803E-06	23.50867081	28.5918026	0.521860778	0.002609425	418.0100098	0.012282827	1.153088689	0.000493888	0.000832569	0.000516382	2.52646327	0.000133369	0.003241228	0.000643306	0.00325307	0.002738065
2021 Apr	0.002045098	0.056215931	7.96804E-06	23.53816986	28.62661552	0.522537351	0.002612649	418.5405579	0.012298463	1.154431105	0.00049447	0.000833563	0.000517003	2.529813051	0.000133549	0.003245263	0.000644075	0.003257251	0.002741617
2021 May	0.002086618	0.058769897	8.16407E-06	23.79813194	28.79623032	0.525675893	0.002664943	422.2374573	0.012450832	1.143306494	0.000515228	0.000856827	0.000527878	2.552295208	0.000134307	0.003304533	0.000660238	0.003304417	0.00277642
2021 Jun	0.002162954	0.056185782	8.81987E-06	23.28988266	24.85621643	0.552179277	0.002589806	424.0715942	0.012816373	0.722109437	0.000459193	0.000785814	0.000474848	2.907021999	0.000158697	0.003265496	0.000574739	0.003597544	0.003023684
2021 Jul	0.002266109	0.055993814	9.28802E-06	24.5974102	26.25664711	0.594049454	0.002657188	451.336853	0.013588178	0.642128706	0.000445525	0.00078687	0.000485879	3.125878811	0.000172362	0.003384415	0.000580646	0.003841492	0.003209638
2021 Aug	0.00237544	0.056630004	9.59354E-06	26.39892769	29.23856354	0.634718239	0.002778456	484.1932983	0.014431027	0.629447162	0.000455685	0.000818083	0.000521368	3.271705151	0.000180509	0.003561795	0.000612937	0.004025123	0.003358781
2021 Sep	0.002415434	0.054124855	9.49734E-06	27.41961861	31.23347473	0.648849726	0.002861845	500.4319458	0.014821699	0.554684639	0.000465927	0.000852292	0.000551417	3.290458441	0.000180729	0.003681573	0.000620311	0.004044735	0.003406164
2021 Oct	0.002480505	0.052293047	9.49762E-06	28.7590332	33.55789185	0.670927525	0.002975886	522.8782959	0.01538738	0.506792068	0.000479758	0.00089324	0.000585351	3.355253696	0.000183632	0.00384238	0.00063289	0.004112753	0.00349547
2021 Nov	0.002512486	0.052396618	9.55745E-06	29.40176201	34.75661469	0.682565212	0.003022642	534.0171509	0.015655462	0.505613267	0.000486078	0.000909532	0.000600295	3.385946274	0.000185096	0.003909152	0.000645364	0.004158241	0.003533173
2021 Dec	0.002516211	0.052427404	9.56782E-06	29.45781708	34.83858871	0.683733642	0.003027709	535.020813	0.015682366	0.50576055	0.000486774	0.000911154	0.000601485	3.390841246	0.000185356	0.003916015	0.000646341	0.004164086	0.003538484
2022 Jan	0.002516547	0.052423209	9.56885E-06	29.46116257	34.83860397	0.683887482	0.003027926	535.1033325	0.015684919	0.505653739	0.000486701	0.000911093	0.000601456	3.391878843	0.000185422	0.003916382	0.000646275	0.004164874	0.003539322
2022 Feb	0.002516693	0.052423686	9.56937E-06	29.46221733	34.83739853	0.683961332	0.003027953	535.1353149	0.01568599	0.505600393	0.000486652	0.000911024	0.000601419	3.392408371	0.000185456	0.003916468	0.000646242	0.004165258	0.003539719
2022 Mar	0.002518097	0.052451529	9.57468E-06	29.47827339	34.85502625	0.684361279	0.003029561	535.434082	0.015694819	0.50583744	0.000486882	0.000911465	0.000601715	3.394482136	0.000185573	0.003918573	0.000646564	0.004167658	0.003541799
2022 Apr	0.002548217	0.053078111	9.68919E-06	29.83065414	35.27089691	0.692557633	0.003065751	541.838623	0.015882595	0.51186198	0.000492682	0.000922329	0.00060889	3.435189009	0.0001878	0.003965399	0.000654275	0.004217553	0.003584223
2022 May	0.002619069	0.054643158	9.95538E-06	30.63515091	36.20606232	0.710086703	0.003155308	556.0700073	0.016309079	0.524499774	0.000509043	0.000951537	0.000626938	3.5229702	0.00019245	0.004079113	0.000673033	0.004328647	0.003680105
2022 Jun	0.002524644	0.050629526	9.95898E-06	28.15766525	30.3374691	0.671883941	0.002990745	514.3389893	0.015492236	0.377631575	0.000463759	0.000894828	0.000557822	3.529088736	0.000194907	0.003864209	0.000587203	0.004273552	0.003639164
2022 Jul	0.002200523	0.045249846	9.42687E-06	23.50199699	23.33433342	0.589656532	0.002471582	435.5124817	0.013393623	0.211069286	0.000349706	0.000723608	0.000432706	3.223376036	0.000181322	0.003221	0.000481563	0.003944117	0.003234105
2022 Aug	0.002318343	0.046178553	9.77405E-06	25.26561165	26.00760269	0.630088568	0.002607217	467.5727539	0.014271868	0.213390529	0.000363875	0.0007615	0.000466656	3.388406277	0.000190528	0.003412628	0.000513899	0.004140159	0.003401204
2022 Sep	0.002376701	0.045140628	9.71938E-06	26.34751892	28.05913353	0.643834054	0.002723107	484.0712891	0.014737551	0.200814947	0.000389481	0.000819615	0.000501484	3.406303406	0.000190162	0.003561069	0.000538602	0.004164226	0.003458108
2022 Oct	0.002444754	0.044260811	9.68223E-06	27.63822937	30.50174713	0.660286665	0.002856121	504.0158691	0.01528791	0.190977737	0.000417913	0.0008843	0.000541139	3.431226969	0.000190081	0.003733769	0.000567111	0.004201016	0.00352441
2022 Nov	0.002476198	0.04447978	9.74833E-06	28.24060822	31.63558197	0.671235621	0.002898692	514.3018799	0.015550122	0.191511437	0.000424005	0.000899462	0.000555031	3.460344553	0.000191491	0.003795232	0.000580127	0.004245563	0.003559203
2022 Dec	0.002479064	0.044504806	9.75735E-06	28.28609467	31.70614243	0.672309697	0.002901734	515.1468506	0.015572512	0.191637695	0.000424181	0.0009001	0.000555798	3.464762449	0.000191747	0.003799745	0.000580832	0.0042507	0.00356338
2023 Jan	0.002479297	0.044501834	9.75801E-06	28.28846741	31.70564079	0.672448993	0.002901775	515.2145996	0.015574448	0.191634208	0.000424077	0.000899943	0.00055574	3.46568346	0.000191808	0.003799889	0.000580752	0.004251324	0.00356406
2023 Feb	0.002479444	0.044503558	9.75846E-06	28.28963661	31.70480537	0.672524452	0.002901813	515.248962	0.015575502	0.191635042	0.000424037	0.00089987	0.000555707	3.466202497	0.000191841	0.003799982	0.000580727	0.004251686	0.003564451
2023 Mar	0.002479853	0.044510398	9.76E-06	28.29401016	31.70851326	0.672654569	0.002902218	515.3357544	0.015578138	0.191660926	0.000424071	0.000899949	0.000555763	3.466944933	0.000191885	0.003800535	0.00058079	0.004252447	0.003565137
2023 Apr	0.002496377	0.0448067	9.825E-06	28.48237419	31.91892815	0.677147686	0.002921514	518.7706299	0.015681978	0.192934766	0.000426876	0.000905906	0.000559445	3.49014473	0.000193171	0.003825817	0.000584641	0.004280817	0.003588949
2023 May	0.002554706	0.047265433	1.00714E-05	28.9257679	32.02492523	0.694645703	0.002964801	528.31427	0.016003929	0.193871155	0.000436917	0.000910953	0.000561923	3.602292061	0.00019993	0.003884482	0.000596493	0.004390085	0.003685299
2023 Jun	0.002400944	0.052755918	9.75983E-06	25.33616447	24.97199249	0.64868319	0.002651597	470.7095947	0.014616838	0.146951973	0.000414019	0.000788946	0.000459571	3.541252375	0.000199289	0.003463521	0.00054529	0.004192509	0.003528639
2023 Jul	0.002452009	0.051308531	9.81181E-06	26.51893616	27.43408585	0.672304213	0.002713005	491.3656921	0.015130037	0.139792025	0.000413906	0.000812063	0.000485619	3.593134165	0.000201988	0.003560337	0.000567839	0.004274861	0.003588559
2023 Aug	0.002578486	0.052405234	1.01566E-05	28.40059471	30.4531002	0.71253711	0.00286358	524.6929321	0.016052298	0.143147185	0.000434669	0.00086257	0.000526359	3.744436741	0.000210074	0.003768264	0.00060778	0.00446965	0.003752311
2023 Sep	0.002638436	0.052056897	1.02408E-05	29.42236519	32.34244537	0.732561231	0.002938542	542.4934692	0.016530093	0.142821133	0.000444562	0.000891266	0.000550988	3.801790237	0.000212914	0.003872537	0.000628884	0.004545596	0.003822671
2023 Oct	0.002672166	0.051429972	1.02567E-05	30.20394135	33.95505524	0.747794688	0.00298009	556.2576294	0.016861301	0.142246366	0.000445987	0.000903102	0.000567816	3.83641839	0.000214735	0.003937071	0.000641446	0.004590129	0.003861257
2023 Nov	0.002694436	0.05160863	1.03264E-05	30.61184692	34.68903732	0.756938577	0.003002736	563.7306519	0.017045723	0.142914623	0.000445689	0.000906204	0.000574707	3.867845535	0.000216575	0.00397156	0.000647181	0.004628745	0.003889791
2023 Dec	0.002696837	0.051622394	1.0334E-05	30.64805984	34.74052048	0.757854164	0.003005217	564.4192505	0.017064199	0.143029496	0.000445762	0.000906624	0.000575254	3.871972084	0.000216819	0.003975226	0.000647628	0.004633196	0.003893585
2024 Jan	0.002696844	0.051612239	1.03339E-05	30.64760399	34.73549271	0.757930696	0.003005026	564.4377441	0.017064676	0.14303948	0.0004456	0.000906374	0.000575131	3.87265873	0.000216867	0.003975056	0.000647453	0.004633478	0.003894015
2024 Feb	0.002696867	0.051610455	1.03339E-05	30.64726639	34.7323761	0.757972002	0.003004935	564.4454346	0.017064942	0.143045589	0.00044553	0.000906251	0.000575065	3.873040915	0.000216893	0.003974976	0.000647381	0.004633645	0.003894261
2024 Mar	0.002701946	0.051706497	1.03534E-05	30.70466232	34.79592514	0.759419024	0.003010528	565.5102539	0.017097149	0.143317819	0.000446328	0.000907885	0.000576109	3.880527496	0.000217315	0.003982399	0.000648558	0.004642443	0.003901713
2024 Apr	0.002712133	0.051900789	1.03924E-05	30.8202343	34.92606354	0.762292743	0.003021841	567.6431885	0.017161641	0.143859699	0.000447988	0.000911267	0.00057826	3.895264149	0.000218142	0.003997376	0.00065098	0.004659985	0.003916487
2024 May	0.002738092	0.055094663	1.05165E-05	30.48052788	33.63912964	0.762872696	0.003020653	562.923645	0.017157882	0.142799109	0.000463576	0.000910651	0.000567617	3.950697422	0.000221593	0.003985895	0.000655515	0.004693454	0.003960245
2024 Jun	0.002420023	0.069422767	9.86583E-06	24.07066536	24.03951836	0.63006866	0.002494055	447.0498352	0.014213046	0.113141909	0.00048473	0.000780103	0.000446199	3.395669222	0.000190719	0.00324063	0.000639359	0.004105866	0.003371782
2024 Jul	0.002536593	0.072319821	1.03367E-05	25.40300941	25.74301529	0.662996948	0.002613733	471.2992554	0.014947275	0.117589749	0.000504645	0.000818029	0.000471969	3.551182032	0.000199419	0.003401332	0.000674343	0.004308401	0.003526912
2024 Aug	0.002647008	0.074144922	1.06755E-05	26.92165756	28.13881874	0.695856094	0.002741556	497.6932373	0.015707118	0.120694436	0.00052627	0.00086268	0.000506019	3.676036835	0.000206009	0.003575128	0.000713183	0.004477507	0.00366225
2024 Sep	0.002674965	0.072373763	1.05695E-05	27.66774368	30.05999756	0.699937761	0.00281335	507.1490479	0.015977724	0.117148593	0.000540828	0.000907899	0.000536102	3.63117218	0.000202175	0.003666011	0.000732981	0.004457641	0.003656946
2024 Oct	0.00269299	0.070675701	1.05527E-05	28.11062241	30.92069435	0.706767142	0.002849693	514.3248901	0.016164428	0.116726331	0.000536119	0.000917446	0.000546047	3.648229599	0.000202983	0.00371368	0.000729682	0.00446859	0.003680126
2024 Nov	0.002699076	0.068916	1.05464E-05	28.33358574	31.11105919	0.71532017	0.002856349	519.5843506	0.016281396	0.117995821	0.000521635	0.000904828	0.000543619	3.69914031	0.000206388	0.00372844	0.000715845	0.004494788	0.003717347
2024 Dec	0.002702844	0.068928234	1.05557E-05	28.40219498	31.23189545	0.716743052	0.002861025	520.7837524	0.016312562	0.118115418	0.000522014	0.000906102	0.000545	3.703944921	0.000206651	0.003735329	0.000717033	0.004500889	0.003722234
2025 Jan	0.002702946	0.068908855	1.05557E-05	28.40508652	31.23291779	0.716886163	0.002861024	520.8637695	0.016314372	0.118141599	0.000521816	0.000905877	0.000544935	3.704850912	0.000206712	0.003735474	0.000716858	0.004501414	0.003722878

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Feb	0.002703405	0.068912722	1.05574E-05	28.41003418	31.23586082	0.717058718	0.002861431	520.9700317	0.01631753	0.118174262	0.000521803	0.000905893	0.000544963	3.705902576	0.000206776	0.003736064	0.000716877	0.004502361	0.003723789
2025 Mar	0.002704303	0.068931334	1.05608E-05	28.41949463	31.24484253	0.717323899	0.002862337	521.1520996	0.016323147	0.118220396	0.000521921	0.000906118	0.000545108	3.707363605	0.000206861	0.003737277	0.000717058	0.004503954	0.003725178
2025 Apr	0.00270883	0.069044329	1.05784E-05	28.46709824	31.29636574	0.71854049	0.002867104	522.0299072	0.016350592	0.118422292	0.000522763	0.000907592	0.000546	3.713702679	0.000207216	0.00374352	0.000718227	0.004511551	0.003731503
2025 May	0.00277505	0.072067074	1.08579E-05	28.81509018	31.61697388	0.720938563	0.002949764	526.1234741	0.016596381	0.118566468	0.000552341	0.000956105	0.000563984	3.728990793	0.000207075	0.003828655	0.000744098	0.004569483	0.003775612
2025 Jun	0.002554346	0.065743051	1.05341E-05	25.2839241	25.86255836	0.635740936	0.002709449	462.5339966	0.01494049	0.106931701	0.000496352	0.000911231	0.000497247	3.411224127	0.000189345	0.003476071	0.00065878	0.004269728	0.003474713
2025 Jul	0.002283781	0.059347577	1.01833E-05	22.17163086	21.72510147	0.569130599	0.002368661	409.1958923	0.013275208	0.097184777	0.000400585	0.000789374	0.000419615	3.118341208	0.000174739	0.003044974	0.000573832	0.004010028	0.003136041
2025 Aug	0.002401042	0.060807407	1.05557E-05	23.81197548	24.29801369	0.601740301	0.002521703	436.9137268	0.014078456	0.100221597	0.000426478	0.000848299	0.00045948	3.243608713	0.000181018	0.003248302	0.000613028	0.004187157	0.003281122
2025 Sep	0.002490286	0.060092118	1.05678E-05	25.18872833	26.8447361	0.610963225	0.00272601	455.4337463	0.014646886	0.097992182	0.00048262	0.00096395	0.000518066	3.238402843	0.000177824	0.003490247	0.000652605	0.004216987	0.003359481
2025 Oct	0.002598554	0.052689947	1.02164E-05	27.61296082	30.60144615	0.654303908	0.002979216	491.7367554	0.015699014	0.100622542	0.000498184	0.001032421	0.000573834	3.4087677	0.000186088	0.003819342	0.000648037	0.004268519	0.003566048
2025 Nov	0.002690708	0.049185231	1.01112E-05	29.7365551	34.20853043	0.695330679	0.00314687	525.1348267	0.016632861	0.103471346	0.000510062	0.001077803	0.000618247	3.550161362	0.000193458	0.00406289	0.000667105	0.004376773	0.003720307
2025 Dec	0.002697864	0.049212351	1.01244E-05	29.90046692	34.54273987	0.69836694	0.003156162	527.9017944	0.016701119	0.103619173	0.000510912	0.0010805	0.000621769	3.557271481	0.000193824	0.004077603	0.000670345	0.004387806	0.003727729
2026 Jan	0.002698641	0.049206346	1.01257E-05	29.91076088	34.55066681	0.698676646	0.003157079	528.0991211	0.016707148	0.103673808	0.000510925	0.001080605	0.000621866	3.559108496	0.000193934	0.004078936	0.000670345	0.004389212	0.003729386
2026 Feb	0.002698835	0.049211103	1.01265E-05	29.91219521	34.54782867	0.698810816	0.003157019	528.1568604	0.016708652	0.103706509	0.000510814	0.001080379	0.000621771	3.560057878	0.000193997	0.004078963	0.000670275	0.004389836	0.003730047
2026 Mar	0.00270359	0.049293041	1.01433E-05	29.96389961	34.60385895	0.700013101	0.003162777	529.0515137	0.016737886	0.103889108	0.000511785	0.001082396	0.000622863	3.566395283	0.00019434	0.004086352	0.000671418	0.004397382	0.003736769
2026 Apr	0.002724543	0.049663566	1.02199E-05	30.19466591	34.86649323	0.705302894	0.003187964	533.0578003	0.016866921	0.104671665	0.000516035	0.001091298	0.000627807	3.593563557	0.000195805	0.004118695	0.000676643	0.004430776	0.003765705
2026 May	0.002835961	0.05495546	1.04555E-05	29.73181915	33.68836212	0.643120348	0.003528519	515.3269043	0.016660091	0.093754694	0.000674436	0.001365838	0.000708211	3.339372158	0.00017641	0.004397509	0.000733455	0.004273356	0.00374838
2026 Jun	0.002407409	0.072026096	1.00563E-05	20.32392311	20.24956131	0.448665917	0.002995014	359.1057739	0.0126322	0.072108872	0.000655764	0.001199009	0.000531372	2.509835482	0.000126554	0.003260151	0.000837589	0.00361091	0.002989421
2026 Jul	0.001839121	0.102518946	1.12104E-05	8.398019791	10.06890202	0.180990607	0.002577434	150.1566925	0.007402892	0.033804778	0.000458217	0.000868297	0.000297414	0.956392527	3.69471E-05	0.001424681	0.001302099	0.002874855	0.001656602
2026 Aug	0.0019459	0.104221523	1.16128E-05	9.600135803	12.80303764	0.198244289	0.002653657	168.3968201	0.008056413	0.033050705	0.00048272	0.000935808	0.00034164	0.964220643	3.6273E-05	0.001549414	0.001340778	0.002965674	0.001714608
2026 Sep	0.002218305	0.102799505	1.22809E-05	11.37282658	16.20032883	0.212413192	0.002804277	194.2942505	0.009417804	0.03008722	0.000563589	0.001154829	0.000445626	0.966643512	3.30709E-05	0.001848437	0.001347351	0.003015785	0.001904814
2026 Oct	0.00245552	0.092930898	1.24102E-05	12.90520287	18.9715004	0.226008251	0.002772931	219.8098755	0.010715508	0.027560543	0.000609895	0.001337008	0.000539949	0.996486962	3.32056E-05	0.002094123	0.001227201	0.002900686	0.002095065
2026 Nov	0.00249165	0.093388751	1.24953E-05	13.86801338	21.19594383	0.243054643	0.002815731	235.9620209	0.011097378	0.027878493	0.000612254	0.001348143	0.000561076	1.019418836	3.43068E-05	0.002165493	0.001250451	0.002957526	0.002118877
2026 Dec	0.002494599	0.093409963	1.25032E-05	13.92482662	21.29949951	0.244274303	0.002819041	236.971817	0.011123218	0.027987197	0.000612458	0.001348878	0.000562139	1.023477435	3.45371E-05	0.002170728	0.00125144	0.002962713	0.002122646
2027 Jan	0.002494914	0.093395196	1.25034E-05	13.93285942	21.30517006	0.244555265	0.002819248	237.1420898	0.011127056	0.028038843	0.000612335	0.001348661	0.000562127	1.025111079	3.46418E-05	0.00217153	0.001251221	0.002963819	0.00212379
2027 Feb	0.002495048	0.093389265	1.25034E-05	13.93621445	21.30626488	0.244688645	0.002819306	237.2167664	0.011128719	0.028065514	0.000612274	0.001348534	0.000562102	1.025943279	3.46954E-05	0.002171878	0.0012511	0.002964345	0.00212436
2027 Mar	0.002498071	0.093496427	1.25182E-05	13.9545002	21.33198547	0.24505055	0.002822671	237.5376892	0.011142776	0.028113317	0.000612964	0.001350059	0.000562751	1.02761209	3.47658E-05	0.002174634	0.001252512	0.002968137	0.002127184
2027 Apr	0.002521438	0.094367504	1.2635E-05	14.0858345	21.53146362	0.247380465	0.002849044	239.7788696	0.011247333	0.028384248	0.000618667	0.001362624	0.000567997	1.037469983	3.51074E-05	0.002195047	0.001264168	0.002996015	0.002147226
2027 May	0.002693593	0.095902033	1.28448E-05	15.38713169	22.49855804	0.258657932	0.003117263	256.6343689	0.01206951	0.029357292	0.000713049	0.001531098	0.000630434	1.128719926	3.70237E-05	0.002522289	0.001302858	0.003113078	0.002331933
2027 Jun	0.002401751	0.073374704	1.10077E-05	15.97481251	17.5158062	0.322721571	0.002700693	275.2618408	0.011589489	0.049357932	0.000622445	0.001306429	0.000529121	1.757644773	8.12893E-05	0.002663486	0.000929753	0.003266233	0.002520352
2027 Jul	0.00173361	0.088048637	1.19014E-05	6.446839333	8.384373665	0.136272818	0.001586953	116.1247864	0.00675284	0.024094583	0.000351482	0.000843415	0.000291989	0.692993104	2.75282E-05	0.001042438	0.000944025	0.002618025	0.001366231
2027 Aug	0.001844797	0.091081537	1.24537E-05	7.500690937	10.78899479	0.154196963	0.001681648	132.7393188	0.00741478	0.024033202	0.000372697	0.000906751	0.000330667	0.710169315	2.7436E-05	0.00114517	0.001007457	0.002747448	0.00144092
2027 Sep	0.002243431	0.087097041	1.29296E-05	10.72754002	16.06673431	0.199864447	0.002090413	183.6644745	0.009735459	0.02493603	0.000492954	0.001206415	0.000474832	0.86474216	3.12636E-05	0.001659158	0.001076242	0.002903168	0.001850413
2027 Oct	0.002439362	0.082102373	1.28617E-05	13.7202301	22.09622002	0.27098155	0.002169929	239.3960571	0.011393102	0.030075749	0.000485823	0.001228199	0.000539856	1.075236559	4.39769E-05	0.001868516	0.001062518	0.003001746	0.002059096
2027 Nov	0.002477806	0.080076203	1.27575E-05	15.7105341	25.36535454	0.320053488	0.002232492	275.326355	0.012117905	0.035573065	0.00046836	0.001194156	0.000557348	1.263684273	5.58569E-05	0.002034876	0.001049383	0.003135503	0.002169909
2027 Dec	0.002487197	0.079963334	1.27593E-05	15.89852047	25.63029671	0.323459357	0.002250727	278.026886	0.012200867	0.035894029	0.00047152	0.001200455	0.000561527	1.277913094	5.65595E-05	0.002061533	0.001051395	0.00314861	0.002185091
2028 Jan	0.002487455	0.079918228	1.27567E-05	15.91434002	25.63578796	0.324063629	0.002251167	278.3765259	0.012207348	0.036015391	0.000471198	0.001199712	0.000561362	1.281710863	5.68044E-05	0.002063228	0.001050738	0.003150639	0.002187529
2028 Feb	0.00248811	0.079919651	1.27581E-05	15.92425251	25.63987732	0.324423432	0.00225181	278.589386	0.012212721	0.036087099	0.000471151	0.001199572	0.000561359	1.283962131	5.69442E-05	0.002064428	0.001050631	0.003152325	0.002189263
2028 Mar	0.002489286	0.079946928	1.27631E-05	15.93482113	25.65041161	0.324724257	0.002252902	278.7957153	0.012219645	0.036137857	0.000471282	0.001199893	0.000561542	1.285604835	5.70386E-05	0.002065756	0.00105092	0.00315428	0.002190927
2028 Apr	0.002506445	0.080492131	1.28505E-05	16.04635811	25.82632637	0.327045083	0.002268447	280.7591858	0.012304519	0.036405824	0.00047448	0.001208026	0.000565366	1.295046329	5.74696E-05	0.002080193	0.001058048	0.003176282	0.00220638
2028 May	0.002646854	0.082345247	1.3042E-05	16.81374741	26.25133896	0.325266689	0.002498603	287.9726563	0.012845109	0.035627786	0.000558878	0.001360119	0.000617738	1.318950295	5.56006E-05	0.002330459	0.001094218	0.003240943	0.002323625
2028 Jun	0.002271025	0.066061482	1.11323E-05	15.8438797	18.12797928	0.352454871	0.002276325	279.3545837	0.011402639	0.054265484	0.00047214	0.001094965	0.000470876	1.854757309	9.30816E-05	0.00237866	0.000795734	0.003309165	0.002436596
2028 Jul	0.001694586	0.079517819	1.19605E-05	6.552998066	8.521668434	0.14113012	0.001499261	119.1007538	0.006770344	0.025104949	0.000289344	0.000816166	0.000284477	0.725730002	3.08586E-05	0.001024197	0.000865315	0.002624915	0.001377524
2028 Aug	0.001776099	0.084594578	1.26798E-05	6.808729649	9.429826736	0.143384784	0.001566228	122.7097473	0.007080565	0.024438383	0.000301934	0.00086221	0.000303106	0.700798929	2.85875E-05	0.001045862	0.000931722	0.002744876	0.001405096
2028 Sep	0.001898399	0.088621274	1.32954E-05	7.819702148	11.45469189	0.154700443	0.001690257	134.8134766	0.007638448	0.023693306	0.000335443	0.000939672	0.000346835	0.703362107	2.70453E-05	0.001190909	0.000966802	0.002825502	0.001470944
2028 Oct	0.001976404	0.082742855	1.24415E-05	8.845430374	13.13302994	0.169314444	0.001810425	150.5488586	0.008018597	0.024520328	0.000341008	0.000938235	0.000373704	0.767375648	3.00633E-05	0.001338401	0.000861752	0.002563633	0.001531159
2028 Nov	0.001917007	0.083554573	1.2326E-05	8.30189991	12.6856699	0.164371952	0.001699999	144.8463135	0.007614047	0.024627181	0.00029757	0.000844592	0.000342873	0.736351907	2.99305E-05	0.001195761	0.000817923	0.002472748	0.001427857
2028 Dec	0.001919969	0.083568387	1.2333E-05	8.361791611	12.79638481	0.165691346	0.00170334	145.9063721	0.007643143	0.024734855	0.000297779	0.000845358	0.000343988	0.740441322	3.01632E-05	0.00120121	0.000819093	0.002477959	0.001431647
2029 Jan	0.001920296	0.083547913	1.23322E-05	8.370959282	12.80381012	0.165988117	0.001703738	146.0951538	0.007647555	0.02478588	0.00029772	0.00084522	0.000344014	0.742114663	3.02679E-05	0.001202214	0.000818934	0.002479016	0.001432893
2029 Feb	0.001920446	0.083538838	1.23318E-05	8.374895096	12.80575943	0.166128039	0.00170391	146.1793823	0.007649496	0.024812309	0.000297692	0.000845139	0.00034401	0.742969096	3.03215E-05	0.001202672	0.000818841	0.002479528	0.001433524
2029 Mar	0.001921153	0.08356116	1.23355E-05	8.37974453	12.81092548	0.166257992	0.001704558	146.2725067	0.007653038	0.024834828	0.000297774	0.000845371	0.000344119	0.743677318	3.03606E-05	0.001203312	0.000819057	0.002480616	0.001434336
2029 Apr	0.001924915	0.083719939	1.23593E-05	8.397156715	12.8362627	0.166622683	0.001707908	146.5812836	0.007668435	0.024891082	0.000298341	0.000846981	0.000344783	0.745381117	3.0436E-05	0.00120578	0.000820611	0.002485572	0.001437306
2029 May	0.002216452	0.082952544	1.22685E-05	10.54901886	14.62836456	0.175562605	0.002208171	166.9646759	0.009081753	0.023875363	0.000482667	0.001179766	0.000466702	0.840100825	2.89687E-05	0.001791251	0.000895504	0.002596004	0.001738681
2029 Jun	0.002569382	0.075899713	1.15952E-05	14.58109379	16.70335579	0.24393332	0.002854689	219.2209625	0.011421053	0.034585599	0.000703896	0.00154197	0.000599292	1.340566754	5.16827E-05	0.002690284	0.000947888	0.002983673	0.002355362
2029 Jul	0.001660037	0.075664662	1.10184E-05	6.803988934	8.192026138	0.143512532	0.001577546	118.3819962	0.00657578	0.026311874	0.000313851	0.000809724	0.000281864	0.781663716	3.38299E-05	0.001128762	0.000810317	0.002540706	0.001350908
2029 Aug	0.001590663	0.080742955	1.17446E-05	5.653127193	8.311764717	0.113833524	0.001402296	98.68126678	0.006016135	0.019492155	0.000273409	0.000774404	0.000268206	0.535782516	2.00612E-05	0.000886993	0.000846527	0.00246628	0.001165381
2029 Sep	0.001718105	0.081130549	1.20063E-05	6.981389523	10.73080063	0.134310871	0.001512677	117.63311	0.006797708	0.019628258	0.000313317	0.000859143	0.000318933	0.582108021	2.12581E-05	0.001065569	0.000858536	0.002522023	0.001274827
2029 Oct	0.00178197	0.079511054	1.1882E-05	8.264145851	12.69776535	0.169426724	0.001531266	141.4682312	0.007347175	0.023935102	0.000299442	0.000821233	0.0003315 4	0.727842093	3.06819E-05	0.001164669	0.000798301	0.002527913	0.001359572
2029 Nov	0.001820732	0.079323351	1.18457E-05	9.05881691	13.8441124	0.183776066	0.001598592	151.6572113	0.007667935	0.025273534	0.000308684	0.000833166	0.000346797	0.784376681	3.36124E-05	0.001270713	0.000789481	0.002548026	0.001404869
2029 Dec	0.001826105	0.079300381	1.18505E-05	9.15262413	13.99018383	0.185495198	0.001607567	152.9931946	0.007714433	0.025399126	0.000310384	0.000836759	0.000349099	0.790394723	3.3894E-05	0.001283354	0.000791376	0.002554783	0.001412149
2030 Jan	0.001826594	0.079277702	1.18498E-05	9.164074898	13.99892998	0.185873047	0.001608134	153.2338562	0.007720173	0.025465671	0.000310305	0.000836585	0.000349128	0.792557538	3.40289E-05	0.001284614	0.000791192	0.002556141	0.001413789
2030 Feb	0.001827291	0.079288878	1.18524E-05	9.17138958	14.00480461	0.186099678	0.001608798	153.3815613	0.00772469	0.025506662	0.000310349	0.000836699	0.000349211	0.793867171	3.41068E-05	0.001285523	0.00079129	0.002557456	0.001414984
2030 Mar	0.001828903	0.079348497	1.18618E-05	9.181529999	14.01737022	0.186348021	0.001610244	153.5649719	0.007732349	0.025546219	0.000310583	0.000837325	0.000349492	0.795116186	3.41723E-05	0.001286884	0.000791876	0.002559898	0.001416589
2030 Apr	0.00183513	0.079612754	1.19017E-05	9.213961601	14.06521225	0.187030628	0.001615742	154.1153107	0.007759158	0.025642954	0.000311617	0.000840112	0.000350666	0.798137188	3.43089E-05	0.001291395	0.000794509	0.002568719	0.001421616
2030 May	0.002263597	0.079630055	1.19959E-05	12.10642529	16.60255623	0.199337438	0.002312184	178.4815979	0.00978455	0.024354015	0.000560462	0.001301858	0.000519439	0.924918056	3.21061E-05	0.002072708	0.000912332	0.002743463	0.001850683
2030 Jun	0.002267572	0.069745973	1.09717E-05	14.58950424	15.6310997	0.301370382	0.002373956	233.9332428	0.010746715	0.047409654	0.000551425	0.001200779	0.000484086	1.662375927	7.8873E-05	0.002424146	0.000792125	0.003134308	0.002323295
2030 Jul	0.001599204	0.082806297	1.13265E-05	6.333642006	8.19070816	0.140168741	0.001371601	110.2505341	0.006162241	0.024694385	0.000313157	0.000752896	0.000267689	0.715445936	3.12993E-05	0.000993349	0.000802575	0.002507962	0.001263553
2030 Aug	0.001673876	0.086483568	1.18451E-05	6.425273895	9.934756279	0.135915279	0.00137789	113.3876801	0.006469354	0.020743724	0.000328172	0.000809492	0.000296548	0.59758985	2.35443E-05	0.000958006	0.000866649	0.002529474	0.001237007
2030 Sep	0.001896268	0.088937819	1.25052E-05	7.945392132	12.72751141	0.162590355	0.001588549	138.9447479	0.007631527	0.021932274	0.000384936	0.000946329	0.000363082	0.677504838	2.59755E-05	0.001179744	0.000930745	0.002692482	0.001432528
2030 Oct	0.002095533	0.085168585	1.27942E-05	10.46084595	17.32876778	0.233472109	0.001706384	195.1386414	0.009151957	0.029761091	0.000357302	0.00094146	0.000405642	0.945951819	4.27169E-05	0.001368088	0.000898784	0.002830384	0.001698167
2030 Nov	0.002110704	0.082570754	1.25551E-05	12.02660179	19.80891609	0.274445236	0.001751441	222.2344055	0.009749873	0.033998679	0.000338413	0.000901728	0.000415589	1.091919303	5.20182E-05	0.001495528	0.000886336	0.002902978	0.001770986
2030 Dec	0.00211598	0.082549438	1.25592E-05	12.16820526	20.10401154	0.277471066	0.001757823	224.6255035	0.009818852	0.03412056	0.0003388	0.00090325	0.000418383	1.097735524	5.23368E-05	0.001507023	0.000889724	0.002911582	0.001776294
2031 Jan	0.002116455	0.082525209	1.25582E-05	12.18158245	20.11715317	0.277878046	0.001758459	224.8886871	0.009825284	0.034185026	0.000338716	0.000903079	0.000418447	1.09986341	5.24689E-05	0.001508432	0.000889586	0.002912965	0.001777864
2031 Feb	0.002116622	0.082515083	1.25577E-05	12.18605709	20.11823273	0.27804184	0.001758684	224.9842529	0.009827429	0.034218363	0.000338672	0.000902959	0.000418425	1.100928426	5.25357E-05	0.00150898	0.000889457	0.002913561	0.001778631
2031 Mar	0.00211763	0.082545422	1.25628E-05	12.19369698	20.1273365	0.278250009	0.001759568	225.1325684	0.009832823	0.034251418	0.000338796	0.000903285	0.000418593	1.101986289	5.25949E-05	0.001509929	0.000889771	0.002915149	0.001779822
2031 Apr	0.002133754	0.083163731	1.26573E-05	12.28814411	20.28011703	0.280401796	0.001773176	226.8604279	0.009908185	0.034519602	0.000341416	0.000910208	0.000421796	1.110675454	5.30116E-05	0.001521806	0.000896468	0.002937357	0.001793622
2031 May	0.002507492	0.08347445	1.25632E-05	15.29982758	22.01107597	0.30913493	0.002410654	250.4861298	0.011790315	0.037933618	0.000568224	0.00129211	0.000560924	1.367113352	6.0025E-05	0.002293325	0.000978214	0.003156028	0.002252271
2031 Jun	0.002433132	0.095179021	1.1239E-05	15.74706078	18.22718811	0.3562437	0.002369787	256.021759	0.011487922	0.052542698	0.000674807	0.001172374	0.000503843	1.825097203	8.86383E-05	0.002447202	0.00094811	0.003259061	0.002435578
2031 Jul	0.002056131	0.132770032	1.25891E-05	7.066440582	10.79515553	0.176411942	0.001611722	128.9040527	0.007320283	0.026444571	0.000604848	0.000892137	0.000341573	0.781159878	3.13603E-05	0.00106566	0.001147435	0.002692542	0.001436837
2031 Aug	0.002210816	0.134061337	1.29946E-05	8.402905464	13.50969124	0.200396791	0.001779455	149.2128601	0.008278321	0.026510872	0.000646409	0.000996529	0.000395953	0.821263194	3.18438E-05	0.001240412	0.00121851	0.002810275	0.001571032
2031 Sep	0.002760208	0.112603396	1.28594E-05	11.44882584	18.80815315	0.230783895	0.002479602	203.3635406	0.011201067	0.025808545	0.000793238	0.001480878	0.000589041	0.973272562	3.30435E-05	0.00190094	0.001266204	0.002929227	0.00216026
2031 Oct	0.003134448	0.089460105	1.2133E-05	13.07921314	23.43555832	0.259927124	0.002826268	260.7347717	0.013213689	0.027009826	0.000813905	0.001713745	0.000694634	1.084396243	3.75667E-05	0.002132621	0.001229792	0.002946489	0.002482284
2031 Nov	0.003163937	0.088066511	1.20875E-05	14.48189831	26.2309761	0.290842474	0.002879495	283.0162659	0.013832171	0.028445967	0.000805337	0.001709823	0.000715954	1.145705819	4.12135E-05	0.002244266	0.001246563	0.003015098	0.002516949
2031 Dec	0.003167354	0.088039458	1.20914E-05	14.58695507	26.43842506	0.293273956	0.002883582	284.7896729	0.013883417	0.028576931	0.000805226	0.001710242	0.000717735	1.1510638	4.15262E-05	0.002252485	0.001248785	0.003022155	0.002521209

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Jan	0.003167343	0.088013448	1.20909E-05	14.5982666	26.44559288	0.293660402	0.002883698	285.0082703	0.013887634	0.028646059	0.000804927	0.001709698	0.000717637	1.153214812	4.16662E-05	0.002253515	0.001248454	0.003023508	0.002522484
2032 Feb	0.003167243	0.088001475	1.20904E-05	14.602211	26.44495201	0.293824464	0.002883639	285.0906372	0.013888782	0.02868193	0.000804762	0.001709367	0.000717537	1.154300332	4.17379E-05	0.002253886	0.001248227	0.003024097	0.002523085
2032 Mar	0.003168823	0.088040441	1.20964E-05	14.61182022	26.45810318	0.294063538	0.002885094	285.2813416	0.013896541	0.028716164	0.000805088	0.001710069	0.000717852	1.155483127	4.17982E-05	0.002255246	0.001248746	0.003025973	0.002524712
2032 Apr	0.003182364	0.088413902	1.21481E-05	14.67555618	26.57113647	0.295371711	0.002897432	286.5274353	0.013956386	0.028849997	0.000808486	0.001717293	0.000720895	1.160759449	4.19989E-05	0.002265015	0.001254025	0.00303911	0.002535707
2032 May	0.003833125	0.084474266	1.19902E-05	19.82746887	30.04212379	0.308898687	0.004116572	301.6677246	0.01719569	0.026043907	0.001235194	0.002516243	0.00100732	1.380645037	3.75162E-05	0.003707919	0.001424029	0.003290035	0.003258142
2032 Jun	0.003386747	0.069429159	1.0846E-05	20.3335762	24.66755104	0.359293908	0.003814212	301.7301941	0.015999943	0.045531258	0.001077274	0.002179058	0.000861549	1.933145046	7.68066E-05	0.003785006	0.001160367	0.003520253	0.003341765
2032 Jul	0.002277833	0.073705018	1.08766E-05	8.233157158	14.16546249	0.179974765	0.001977633	184.991684	0.009132679	0.025928816	0.000530885	0.001219782	0.000451674	0.879247844	3.55354E-05	0.001383754	0.000968517	0.002742204	0.001845115
2032 Aug	0.002324179	0.075752109	1.1586E-05	6.954254627	14.49398613	0.149092481	0.001840473	175.6482391	0.008961752	0.019322382	0.000515723	0.001258442	0.000462393	0.655720949	2.25763E-05	0.001158474	0.000989775	0.002660185	0.001768334
2032 Sep	0.002434695	0.075751387	1.18463E-05	7.973517418	16.7874012	0.166984618	0.001931289	193.6807861	0.009658458	0.019272493	0.000543117	0.001327424	0.000503638	0.683440924	2.3071E-05	0.001282352	0.001010371	0.002723387	0.001852399
2032 Oct	0.002451219	0.075675942	1.19194E-05	8.600727081	17.99166107	0.181999117	0.001944453	204.7156067	0.009904052	0.020372419	0.000535331	0.001313901	0.000511227	0.722856522	2.55566E-05	0.001330428	0.000999268	0.002744689	0.00187099
2032 Nov	0.002495172	0.074423365	1.18688E-05	9.850588799	19.39955711	0.209652185	0.002048024	220.3137054	0.010451891	0.023381155	0.000546575	0.001333351	0.00053069	0.841236055	3.19543E-05	0.001500629	0.001005904	0.002826815	0.001972863
2032 Dec	0.002525498	0.072508104	1.17357E-05	11.25950336	21.17071915	0.242972687	0.002133563	239.4066315	0.011043065	0.026736706	0.000549219	0.001335764	0.000548043	0.969817102	3.92808E-05	0.001665492	0.001009523	0.00290669	0.002068007
2033 Jan	0.002527856	0.072475776	1.17354E-05	11.34015369	21.32540512	0.24495329	0.002136355	240.7729797	0.011082755	0.026852187	0.000549021	0.001335669	0.000549274	0.974355578	3.95521E-05	0.001671545	0.001011092	0.002911706	0.002071282
2033 Feb	0.002528727	0.072481908	1.1738E-05	11.35352802	21.33758545	0.245367035	0.002137239	241.0327454	0.011090088	0.02692052	0.000549007	0.001335657	0.000549376	0.976553023	3.96856E-05	0.001673022	0.001011162	0.002913637	0.002073082
2033 Mar	0.00253338	0.072606146	1.1759E-05	11.37852764	21.37691307	0.245974541	0.002141244	241.5563965	0.011111941	0.027002806	0.000549912	0.001337867	0.000550322	0.979366362	3.98241E-05	0.001676538	0.001012845	0.002919494	0.002077507
2033 Apr	0.002556813	0.073272541	1.18674E-05	11.48608589	21.57456779	0.248338208	0.00216109	243.8359528	0.011215533	0.027271384	0.000554939	0.0013501	0.000555373	0.989008367	4.023E-05	0.001692294	0.001022111	0.002946783	0.002097073
2033 May	0.002967051	0.0729229	1.14795E-05	17.32001686	23.68271255	0.355605721	0.002972631	293.4553833	0.014044508	0.045933049	0.000797951	0.001683484	0.000692317	1.757700682	7.77313E-05	0.002878589	0.001051273	0.003415467	0.0028966
2033 Jun	0.002764582	0.090600923	1.03802E-05	17.32111168	20.79388618	0.365251124	0.002833959	266.3303223	0.013045141	0.049853504	0.000897039	0.001545198	0.000639726	1.882098794	8.53718E-05	0.002933484	0.001057455	0.003308898	0.002766418
2033 Jul	0.002401901	0.124860771	1.17179E-05	7.196367741	15.02949047	0.181483075	0.001774078	173.9229279	0.008636279	0.022243634	0.000755101	0.0011727	0.000456006	0.736417115	2.65189E-05	0.001135341	0.001215537	0.002665825	0.00170268
2033 Aug	0.00249369	0.134456307	1.25402E-05	6.54082489	15.56204796	0.171147943	0.001722828	171.6658325	0.008710007	0.019165065	0.000775197	0.001203625	0.000467345	0.61876303	1.95398E-05	0.000989338	0.001297939	0.002705425	0.001676582
2033 Sep	0.002848139	0.11579676	1.27428E-05	9.781121254	19.82188988	0.218610004	0.002244035	212.5391998	0.011016429	0.022623636	0.00082144	0.001491473	0.000596284	0.849603891	2.82667E-05	0.00157591	0.001283099	0.002856493	0.002162804
2033 Oct	0.002617847	0.089883476	1.15464E-05	10.04175663	19.23409271	0.228954151	0.002123952	217.3812103	0.01047566	0.027004756	0.000607284	0.001255479	0.0005258	0.945838571	3.80357E-05	0.001508118	0.001003193	0.002596544	0.002028221
2033 Nov	0.002494287	0.088261627	1.13241E-05	9.804685593	19.17970085	0.227457851	0.001992232	213.3043976	0.010020637	0.02658888	0.000540132	0.001134864	0.000489386	0.899282515	3.71646E-05	0.001384458	0.000948819	0.002504728	0.001869053
2033 Dec	0.002496751	0.088267766	1.13278E-05	9.861274719	19.29746628	0.228787556	0.001994791	214.259491	0.010051172	0.026637696	0.00054029	0.001135532	0.000490528	0.901540816	3.72878E-05	0.001388778	0.000950522	0.002508605	0.001871276
2034 Jan	0.002496917	0.088258848	1.13279E-05	9.86670208	19.30307388	0.228949517	0.001995023	214.3605652	0.010053796	0.026661582	0.000540238	0.001135465	0.000490556	0.90232563	3.73366E-05	0.001389321	0.000950497	0.002509216	0.001871852
2034 Feb	0.002497018	0.08825586	1.13281E-05	9.868761063	19.30415154	0.229016811	0.001995147	214.4015656	0.010054848	0.026674468	0.000540219	0.001135442	0.000490558	0.902736127	3.7362E-05	0.001389566	0.00095047	0.002509533	0.001872171
2034 Mar	0.002497762	0.088278644	1.13314E-05	9.87257576	19.30999184	0.229116008	0.001995765	214.4826355	0.010058183	0.026688872	0.000540358	0.001135743	0.000490695	0.90320915	3.73862E-05	0.001390082	0.000950717	0.002510398	0.001872862
2034 Apr	0.002507661	0.088626504	1.13762E-05	9.912202835	19.38656998	0.230041713	0.002003688	215.3424988	0.010098239	0.02679834	0.000542487	0.001140223	0.000492634	0.906905472	3.75418E-05	0.001395649	0.000954464	0.002520415	0.001880361
2034 May	0.002751542	0.087721772	1.13568E-05	12.31445217	20.77620697	0.253514469	0.002459745	226.0300446	0.011472464	0.029456398	0.000692758	0.001407284	0.000591277	1.100000858	4.30848E-05	0.001974957	0.001009736	0.002694687	0.002206967
2034 Jun	0.002617736	0.094511494	1.08289E-05	13.57466221	18.74289513	0.300596148	0.002425671	233.0014496	0.011328417	0.041446216	0.000735751	0.00130539	0.000547548	1.482225657	6.68145E-05	0.002198081	0.000989675	0.00292397	0.002344483
2034 Jul	0.0025098	0.118097857	1.18331E-05	7.990805626	16.34006882	0.191275403	0.001959825	182.796524	0.009149732	0.023445714	0.000728067	0.001217424	0.000482975	0.789992094	2.87263E-05	0.001278865	0.001173139	0.002638335	0.00182176
2034 Aug	0.002662665	0.128107756	1.27663E-05	7.248666763	17.07965088	0.180652246	0.001931941	185.7195892	0.009410472	0.020614445	0.000764022	0.001284444	0.000504543	0.680504203	2.20434E-05	0.001127405	0.001271537	0.002724372	0.001835895
2034 Sep	0.003101988	0.112029359	1.2932E-05	10.53931522	21.95860481	0.224705726	0.002528797	231.9741516	0.011965248	0.022950565	0.000873686	0.001662562	0.000662283	0.897860885	2.85834E-05	0.001778484	0.001305904	0.002926427	0.002371033
2034 Oct	0.003179548	0.089585938	1.22264E-05	11.66416645	24.8570118	0.250097424	0.002632846	269.6442871	0.012814479	0.025278175	0.000782066	0.001671027	0.000687504	0.990127206	3.49567E-05	0.001867174	0.001178594	0.002855845	0.002481358
2034 Nov	0.003176478	0.08883173	1.22039E-05	12.45655918	26.86174202	0.271383107	0.002620867	284.8157043	0.013165888	0.025663367	0.000758845	0.001639088	0.00069368	1.001862288	3.62414E-05	0.001880759	0.001190689	0.002882281	0.00245979
2034 Dec	0.0031802	0.088843279	1.22097E-05	12.53970432	27.0308609	0.273344725	0.002624906	286.1893311	0.013211461	0.02573848	0.000759154	0.001640194	0.000695374	1.005319834	3.64277E-05	0.001887421	0.001193248	0.002888083	0.002463252
2035 Jan	0.003180415	0.088827528	1.22095E-05	12.54908848	27.03823471	0.273582786	0.002625528	286.318512	0.013215452	0.025774093	0.000759143	0.001640196	0.000695444	1.006561756	3.65008E-05	0.001888656	0.001193187	0.002888964	0.002464186
2035 Feb	0.003180622	0.088826537	1.22102E-05	12.55251312	27.04014587	0.273690671	0.002625773	286.3834229	0.013217255	0.025794545	0.00075913	0.001640185	0.000695458	1.007214427	3.65405E-05	0.001889081	0.00119317	0.002889511	0.002464711
2035 Mar	0.003181547	0.088848919	1.22137E-05	12.55748844	27.04798508	0.273818523	0.002626566	286.4918213	0.013221581	0.025812365	0.000759314	0.001640593	0.000695641	1.007826209	3.65716E-05	0.001889776	0.001193464	0.002890549	0.002465624
2035 Apr	0.003197513	0.089292839	1.2275E-05	12.6212635	27.18370438	0.275220215	0.002639763	287.9438782	0.013288209	0.025947802	0.000763104	0.001648786	0.000699121	1.013066173	3.67669E-05	0.001899343	0.001199424	0.002905167	0.002478109
2035 May	0.003595986	0.087698765	1.22397E-05	16.11587906	29.20329857	0.2919156549	0.003407195	288.4570313	0.015369393	0.025994761	0.001023935	0.002128368	0.00087177	1.203173161	3.72796E-05	0.002827325	0.001304368	0.003104968	0.002943511
2035 Jun	0.002684225	0.083365738	1.07556E-05	14.70505524	19.84192848	0.320596069	0.00256385	251.0264282	0.012051472	0.045021791	0.000744186	0.001415115	0.000582444	1.63570714	7.49047E-05	0.002430993	0.000973194	0.003129393	0.002551673
2035 Jul	0.002197436	0.101559281	1.17036E-05	6.367534161	13.8311615	0.158940241	0.0016744	163.5071411	0.007836957	0.022530917	0.000550275	0.001052976	0.000399824	0.697750688	2.72047E-05	0.001007675	0.0010292	0.002589039	0.001625304
2035 Aug	0.00225069	0.106682688	1.24648E-05	6.305430412	14.83866501	0.155693129	0.00164145	161.7398834	0.008010735	0.019563731	0.000556597	0.001091209	0.000418403	0.602723181	2.11677E-05	0.000959947	0.001085739	0.002644214	0.00160991
2035 Sep	0.002834134	0.086868308	1.2456E-05	10.10549259	22.74204445	0.209534138	0.002404302	246.1302643	0.011086251	0.022041813	0.000704871	0.001552756	0.000620621	0.856851578	2.87715E-05	0.001712444	0.001108143	0.002835146	0.002274247
2035 Oct	0.003083792	0.079011761	1.21541E-05	11.25943184	26.40721512	0.232144266	0.002642211	294.1130371	0.012218346	0.024043623	0.000742507	0.001681933	0.000685207	0.95763129	3.32892E-05	0.001893963	0.001085829	0.002882706	0.002464609
2035 Nov	0.003066239	0.073778048	1.17577E-05	13.89518166	29.36500168	0.305177599	0.00269873	329.4251709	0.013225515	0.031714644	0.000706085	0.001610203	0.000692754	1.223401904	4.99928E-05	0.002129193	0.001077198	0.003035388	0.002591831
2035 Dec	0.003079434	0.073754683	1.17637E-05	14.28896904	30.22731972	0.314428985	0.002712667	335.7700195	0.013435321	0.031856563	0.000706478	0.001613199	0.000700604	1.233139515	5.05087E-05	0.002156223	0.001090032	0.003056398	0.002600478
2036 Jan	0.003079871	0.073738649	1.17634E-05	14.30948067	30.26031876	0.314972848	0.002713272	336.0992432	0.01344524	0.031900037	0.000706345	0.001613014	0.000700826	1.234696388	5.06048E-05	0.002157825	0.00109032	0.003057857	0.002601484
2036 Feb	0.003079863	0.073731326	1.17632E-05	14.31278515	30.2606926	0.315091848	0.002713312	336.157074	0.013446498	0.031923521	0.000706255	0.001612835	0.000700781	1.235420823	5.06516E-05	0.002158145	0.001090214	0.003058292	0.002601909
2036 Mar	0.003079896	0.073728465	1.17633E-05	14.31450653	30.26069069	0.315154314	0.002713365	336.1888733	0.013447228	0.031936735	0.000706216	0.00161276	0.000700761	1.23582828	5.06776E-05	0.002158333	0.001090162	0.00305856	0.002602174
2036 Apr	0.003098242	0.074355617	1.183E-05	14.42037106	30.44216156	0.317573875	0.002730542	338.1903992	0.013531361	0.032195799	0.000711001	0.001622001	0.000704927	1.245754123	5.11153E-05	0.002174348	0.001097532	0.003077802	0.002618587
2036 May	0.003463575	0.074715838	1.18827E-05	17.25272369	32.08549881	0.325296074	0.003398263	330.7768555	0.015329157	0.030779928	0.000945678	0.002053222	0.000859147	1.363920331	4.84809E-05	0.002953225	0.001205837	0.003227574	0.00300024
2036 Jun	0.003108045	0.070679031	1.10345E-05	17.27893829	26.19360161	0.334709913	0.00321877	296.3560791	0.014151453	0.040924169	0.000923753	0.001834105	0.000752716	1.643195987	6.80458E-05	0.003044835	0.001061056	0.00330182	0.002934543
2036 Jul	0.002490646	0.081104942	1.17173E-05	8.326898575	19.52937889	0.177035466	0.002171434	238.0867462	0.009333348	0.023474395	0.000845716	0.001261284	0.000499845	0.76839155	2.96966E-05	0.001511333	0.000977767	0.002779955	0.001909268
2036 Aug	0.002486062	0.086815223	1.23768E-05	7.564593792	19.4128933	0.155649766	0.002131377	232.3708801	0.008995987	0.020005757	0.00098666	0.001226268	0.000488501	0.611378372	2.15843E-05	0.00143419	0.001003222	0.002779892	0.001794125
2036 Sep	0.002731367	0.08391045	1.2626E-05	10.50785542	22.52775574	0.192989871	0.002597985	253.8211365	0.010637276	0.021739837	0.001274843	0.001425813	0.000588859	0.752875626	2.5726E-05	0.002058305	0.001051703	0.002904463	0.002106196
2036 Oct	0.00296684	0.077476367	1.26491E-05	13.16010952	25.19852448	0.222927198	0.003109481	285.5834961	0.012058747	0.024584485	0.001740811	0.001549101	0.000668723	0.890352249	3.15922E-05	0.002722137	0.001032708	0.002909542	0.002425115
2036 Nov	0.002986212	0.074487314	1.24029E-05	15.23491478	27.76589012	0.278701872	0.003172549	311.4802856	0.012944031	0.02977642	0.001664916	0.00153274	0.000687092	1.087788224	4.31333E-05	0.002900008	0.001043241	0.003031715	0.002539329
2036 Dec	0.002998317	0.073330097	1.23067E-05	16.19960213	29.21356964	0.304656237	0.003194839	324.8009644	0.013385123	0.031756785	0.00163177	0.001526123	0.000697414	1.164875865	4.76807E-05	0.002970672	0.001054389	0.003088209	0.002583058
2037 Jan	0.002999601	0.073304705	1.23063E-05	16.24672699	29.29581261	0.305963755	0.003195918	325.5996094	0.01340939	0.031853672	0.001630769	0.001525829	0.000697989	1.168414831	4.78974E-05	0.002973716	0.001055258	0.003091696	0.00258537
2037 Feb	0.003000092	0.073305823	1.23077E-05	16.25582123	29.30179214	0.306277215	0.003196318	325.7794495	0.013414247	0.031909458	0.00163051	0.001525702	0.000698001	1.170185685	4.8007E-05	0.002974575	0.001055235	0.003093116	0.002586679
2037 Mar	0.003005328	0.0734284	1.23289E-05	16.28715324	29.3521843	0.306941658	0.003201834	326.4085693	0.013438838	0.031993117	0.001633082	0.001528165	0.000699154	1.173093319	4.81465E-05	0.002979954	0.001056952	0.003099006	0.002591691
2037 Apr	0.003020021	0.073784336	1.23891E-05	16.36844444	29.49519348	0.308515847	0.003217452	328.0385437	0.0135052	0.032165524	0.001640911	0.001535522	0.000702535	1.179322958	4.84137E-05	0.002994628	0.001062047	0.003114437	0.002604646
2037 May	0.003254218	0.077430077	1.16395E-05	20.17208099	28.3087635	0.381976098	0.003643879	324.1430664	0.015286607	0.046858892	0.001552658	0.00181099	0.000789201	1.814049482	7.84222E-05	0.003714459	0.001090035	0.003442827	0.003157487
2037 Jun	0.002638088	0.105171055	1.05832E-05	16.36431503	20.95297813	0.356216818	0.002691491	256.0724792	0.012046175	0.04801064	0.001171938	0.001310266	0.000579442	1.72194469	8.01257E-05	0.00277087	0.001059431	0.003136757	0.002515502
2037 Jul	0.002508105	0.127166718	1.2369E-05	9.039551735	17.2240963	0.19485268	0.00226432	202.5232086	0.009177496	0.024351681	0.001342793	0.001152875	0.000488056	0.770024657	2.88201E-05	0.001662826	0.001202312	0.002654706	0.001870445
2037 Aug	0.002661796	0.132241786	1.31789E-05	9.251801491	18.78072929	0.198351219	0.002356303	213.2908173	0.00981502	0.022502003	0.001410316	0.001239218	0.000526919	0.715711534	2.46404E-05	0.00167605	0.001287693	0.002740304	0.001959295
2037 Sep	0.002861687	0.128602877	1.37014E-05	10.86028957	21.43530464	0.230207652	0.002569464	235.803009	0.011118166	0.024297349	0.001379818	0.001382198	0.000593253	0.825682223	2.88349E-05	0.001873396	0.001333173	0.002887679	0.002200683
2037 Oct	0.002742031	0.112049386	1.34833E-05	10.76257133	20.36092758	0.238489553	0.00240538	233.6536407	0.010913487	0.028183138	0.001037475	0.001272932	0.000552227	0.938317835	3.75582E-05	0.001703371	0.001150018	0.002781634	0.00220697
2037 Nov	0.002696965	0.109296955	1.33835E-05	11.06879902	20.80260658	0.25102517	0.002347466	239.1894684	0.010932337	0.02970559	0.000960426	0.001215667	0.000538532	0.977784753	4.08644E-05	0.001671885	0.001114434	0.002778362	0.002179292
2037 Dec	0.002702232	0.109298274	1.33925E-05	11.15821457	20.94415283	0.253059983	0.002354637	240.4888916	0.010981857	0.02985535	0.000961282	0.001218155	0.000540458	0.983983397	4.11839E-05	0.00168219	0.001116662	0.002786066	0.002185959
2038 Jan	0.002702531	0.109266579	1.33918E-05	11.17033195	20.9514122	0.253450036	0.002355097	240.7115936	0.010987366	0.02992462	0.00096096	0.00121791	0.000540446	0.986230314	4.13239E-05	0.001683514	0.001116411	0.002787579	0.00218748
2038 Feb	0.002702671	0.109254733	1.33916E-05	11.17552757	20.95298004	0.253632128	0.002355275	240.8135681	0.010989693	0.029960923	0.0009608	0.001217763	0.000540416	0.987383783	4.13964E-05	0.001684094	0.001116271	0.002788339	0.002188252
2038 Mar	0.002703698	0.109286755	1.33962E-05	11.18225765	20.96112251	0.253819853	0.002356201	240.9533844	0.010994812	0.029991288	0.000961052	0.00121811	0.000540588	0.988360405	4.14504E-05	0.001685001	0.001116587	0.002789734	0.002189443
2038 Apr	0.002717117	0.109823734	1.34625E-05	11.23917484	21.06525421	0.255131751	0.002367912	242.1768188	0.011049918	0.03015098	0.000965757	0.00122409	0.000543253	0.99360919	4.16781E-05	0.001693517	0.001122067	0.002803771	0.002200514
2038 May	0.002915143	0.109373853	1.30917E-05	13.96253204	21.84339523	0.294136494	0.002755763	247.2214813	0.012345861	0.036545277	0.001059844	0.001446157	0.000623539	1.306429744	5.48371E-05	0.002295766	0.001148832	0.003027144	0.002528428
2038 Jun	0.00239031	0.118302926	1.11235E-05	13.82586956	17.36375809	0.345643461	0.002123839	231.177536	0.010573279	0.050245818	0.000817357	0.001014499	0.000458515	1.681255102	8.32935E-05	0.002047652	0.001020978	0.003042901	0.002249585
2038 Jul	0.002317614	0.145306304	1.31472E-05	7.269424915	13.75536919	0.193973452	0.00173829	159.3221436	0.008105324	0.026581811	0.000766187	0.000978773	0.00040441	0.796520472	3.24441E-05	0.000997108	0.001210238	0.002639965	0.00167706
2038 Aug	0.002480617	0.150976598	1.3896E-05	8.348335266	16.27646828	0.220144257	0.001870161	178.1735992	0.009023866	0.027018417	0.000798298	0.001061816	0.000450454	0.827909529	3.29891E-05	0.001096723	0.00130734	0.002804111	0.001795223
2038 Sep	0.002676467	0.142715111	1.43437E-05	10.0069685	19.45086479	0.250891775	0.00211108	205.4880066	0.010376403	0.027979286	0.00078882	0.001198885	0.000520086	0.909564793	3.58238E-05	0.001306442	0.001331583	0.002915276	0.002030876
2038 Oct	0.002700513	0.128319979	1.42793E-05	10.55083847	20.59794235	0.259334147	0.002167786	218.6464691	0.010793108	0.028800985	0.000693247	0.001203066	0.000532021	0.945550203	3.8343E-05	0.001344166	0.001236643	0.002861473	0.002105471
2038 Nov	0.002693754	0.126783475	1.42667E-05	10.76961899	21.12456894	0.265178472	0.002161104	223.0953369	0.010873784	0.029065987	0.000672475	0.001185396	0.000531018	0.951070726	3.89968E-05	0.001345016	0.001224165	0.002859004	0.00209462

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2038 Dec	0.002696856	0.126694888	1.4267E-05	10.83490372	21.20691299	0.266717702	0.002166279	224.0335693	0.010907532	0.029229278	0.00067292	0.001186791	0.000532134	0.957317948	3.9341E-05	0.001353405	0.001224803	0.002864665	0.002100399
2039 Jan	0.002697352	0.126648769	1.42655E-05	10.84929657	21.21376991	0.267081112	0.002167512	224.2355652	0.010913926	0.029296001	0.000672928	0.001186952	0.000532247	0.959656119	3.9477E-05	0.001355713	0.001224526	0.002866155	0.002102275
2039 Feb	0.002697577	0.126626879	1.42646E-05	10.85612011	21.21594238	0.267255872	0.002168108	224.329483	0.010916856	0.029330367	0.000672935	0.001187021	0.000532291	0.960853159	3.95467E-05	0.001356856	0.001224372	0.002866882	0.00210322
2039 Mar	0.002701025	0.126771316	1.42818E-05	10.87318039	21.24323463	0.267680466	0.0021711	224.6573792	0.010931899	0.029385345	0.000673766	0.001188518	0.000532969	0.962690711	3.96336E-05	0.001359142	0.001225797	0.002870816	0.002106327
2039 Apr	0.002713779	0.127362818	1.43488E-05	10.9259758	21.34362411	0.26899448	0.002181391	225.7463837	0.010984062	0.029534779	0.000676908	0.001194072	0.000535469	0.967577636	3.98424E-05	0.001365747	0.001231514	0.002884552	0.002116485
2039 May	0.002821762	0.129119068	1.45753E-05	11.66795063	22.09682465	0.277185708	0.00233096	229.1555481	0.01149519	0.030106401	0.000726089	0.001285267	0.000570722	1.014378786	4.07344E-05	0.00153135	0.001267258	0.002968804	0.002218314
2039 Jun	0.002728261	0.083824776	1.17307E-05	16.40799904	20.39513206	0.342716634	0.0028124	235.1839294	0.012764799	0.047436912	0.000762027	0.00149709	0.000620266	1.746256232	7.92389E-05	0.002705505	0.00099999	0.003315214	0.002724589
2039 Jul	0.002189394	0.078583427	1.1918E-05	9.271183014	15.22039795	0.2189468	0.001913461	184.580368	0.00917579	0.032010365	0.000451219	0.001083962	0.000430484	1.041608691	4.77712E-05	0.001347637	0.000901576	0.002833841	0.001948888
2039 Aug	0.00218297	0.078205667	1.26074E-05	7.848983765	15.36356926	0.185994744	0.001777141	173.5244598	0.008866785	0.024924995	0.000383761	0.001058968	0.000425352	0.790810049	3.39119E-05	0.001049163	0.00087416	0.00261388	0.001842528
2039 Sep	0.002141213	0.080198154	1.28458E-05	7.151530266	14.59140301	0.165673986	0.001681469	159.1151581	0.008449791	0.021910435	0.000364097	0.001024892	0.000412677	0.680919051	2.77232E-05	0.000947472	0.000831031	0.002501033	0.001727793
2039 Oct	0.002133044	0.079658225	1.26755E-05	7.991114616	16.02392578	0.18571575	0.00168053	168.3641205	0.008714979	0.022539681	0.000354023	0.000993387	0.000418403	0.708874464	2.95066E-05	0.00101236	0.000817475	0.002487431	0.001698968
2039 Nov	0.002162601	0.079915315	1.27288E-05	8.505223274	17.07198715	0.197682306	0.00171411	176.1303864	0.009018362	0.022827454	0.000359169	0.001006537	0.000430955	0.726048052	3.0271E-05	0.001059118	0.000836722	0.002523783	0.001722008
2039 Dec	0.002166225	0.079943419	1.2738E-05	8.553163528	17.14195824	0.198829696	0.00171856	176.8644409	0.009046922	0.022936912	0.00035985	0.001008135	0.000432021	0.730206311	3.04906E-05	0.00106498	0.000838031	0.002528995	0.001726643
2040 Jan	0.002166794	0.079923049	1.27369E-05	8.565256119	17.14855194	0.199114233	0.001719815	177.0181732	0.009052445	0.022986155	0.000360033	0.001008421	0.000432175	0.732001305	3.05905E-05	0.001067037	0.000837969	0.002530142	0.001728203
2040 Feb	0.002167288	0.079918712	1.27371E-05	8.572587967	17.15276527	0.199270397	0.001720752	177.1016998	0.009056085	0.023013141	0.000360212	0.001008734	0.000432312	0.733019948	3.06441E-05	0.001068388	0.000838008	0.002530915	0.001729219
2040 Mar	0.002170642	0.08002948	1.27552E-05	8.588867188	17.17944145	0.199637696	0.001723736	177.3974304	0.009070965	0.023060329	0.000360831	0.001010353	0.000433006	0.734618187	3.07165E-05	0.00107068	0.000839221	0.002534926	0.001732239
2040 Apr	0.002181756	0.080429316	1.28193E-05	8.634989738	17.26749611	0.20069015	0.00173285	178.3120575	0.009117982	0.023184048	0.000362748	0.001015616	0.000435256	0.738649011	3.08867E-05	0.001076679	0.000843466	0.002547917	0.001741334
2040 May	0.002308796	0.083215632	1.28438E-05	10.1551075	17.95187378	0.233362675	0.001919107	192.641983	0.009893452	0.028942075	0.00043113	0.001091439	0.000467434	0.956818104	4.2076E-05	0.001364503	0.000868374	0.002721414	0.001944827
2040 Jun	0.001994447	0.090776794	1.07679E-05	12.05923462	13.71100712	0.323464602	0.001672835	213.753891	0.009190441	0.053143706	0.000454249	0.000756799	0.000338763	1.688912392	9.00893E-05	0.001639992	0.000751225	0.002989182	0.002037948
2040 Jul	0.001779665	0.12011122	1.18614E-05	6.218394279	9.826593399	0.168257743	0.001308526	120.372345	0.006370654	0.026594555	0.000481394	0.000708827	0.00028665	0.756094038	3.43468E-05	0.000784609	0.000938287	0.002440942	0.001309781
2040 Aug	0.001917245	0.126324371	1.23771E-05	6.672785282	11.86404896	0.180325314	0.001359663	130.8963013	0.007101863	0.024361901	0.000524388	0.00078555	0.000327508	0.698613942	2.97976E-05	0.00078815	0.001039941	0.002514501	0.001346525
2040 Sep	0.002200007	0.121711701	1.27544E-05	8.004062653	15.21640587	0.212842658	0.001548071	164.588562	0.008806259	0.025032319	0.000566681	0.000949306	0.000407375	0.764530122	3.19131E-05	0.00091885	0.001109377	0.002646591	0.001587412
2040 Oct	0.002258098	0.116560712	1.28759E-05	8.705496788	16.62674332	0.231033564	0.001622485	182.4137115	0.009323593	0.026974633	0.000541129	0.000961586	0.000424126	0.834842801	3.61461E-05	0.0009837	0.001080953	0.002680626	0.001680688
2040 Nov	0.002290287	0.116444193	1.29314E-05	9.275578499	17.66820908	0.24487035	0.001663499	191.2068939	0.009653366	0.027699502	0.000544794	0.000974343	0.000436673	0.866373062	3.77744E-05	0.001040966	0.00109676	0.002724582	0.001715663
2040 Dec	0.002293571	0.116418928	1.29355E-05	9.326497078	17.73498154	0.24599722	0.001668595	191.8840179	0.009681587	0.027807714	0.000545585	0.000976185	0.0004378	0.87076968	3.7999E-05	0.001048055	0.00109774	0.002729198	0.001720506
2041 Jan	0.002294597	0.116393074	1.29359E-05	9.342457771	17.74539375	0.246329352	0.001670619	192.0691223	0.009689514	0.027863573	0.000545883	0.000976856	0.000438101	0.872893512	3.81112E-05	0.001050953	0.001097733	0.002730815	0.001722676
2041 Feb	0.002295217	0.116391376	1.2937E-05	9.350232124	17.75063515	0.246508017	0.001671592	192.1734467	0.009693717	0.027894776	0.000546033	0.000977174	0.000438245	0.874018967	3.81721E-05	0.001052288	0.001097791	0.002731799	0.001723824
2041 Mar	0.002298175	0.116521046	1.29522E-05	9.365402222	17.77374649	0.246884182	0.001674099	192.4459076	0.009707117	0.027943082	0.000546756	0.000978499	0.000438836	0.875634789	3.82482E-05	0.001054314	0.001099068	0.002735429	0.00172644
2041 Apr	0.002307376	0.116972141	1.30028E-05	9.405129433	17.8450737	0.247902244	0.001681115	193.2245941	0.009746583	0.02806109	0.000548985	0.000982513	0.000440627	0.879427135	3.84154E-05	0.001059078	0.001103377	0.0027464	0.001733614
2041 May	0.002720897	0.116318583	1.30363E-05	10.34858418	19.26010132	0.26398769	0.001885527	213.7426453	0.011692628	0.028698582	0.000696774	0.001262752	0.000541502	0.962653756	3.98225E-05	0.001253411	0.00121954	0.002929582	0.002019677
2041 Jun	0.002762822	0.082570024	1.13813E-05	12.97396851	17.50686264	0.347951949	0.001920889	272.1430359	0.0130181	0.05138636	0.000634494	0.001252705	0.000522158	1.711665273	8.69009E-05	0.001701793	0.00098998	0.00335264	0.002522598
2041 Jul	0.001871592	0.07876835	1.17926E-05	6.996730328	11.08270073	0.178327784	0.001391259	155.1744995	0.007701642	0.0291931	0.000340071	0.000865427	0.000335025	0.878094375	4.21188E-05	0.000906229	0.000791535	0.002629823	0.001621875
2041 Aug	0.001852915	0.083392195	1.30258E-05	5.951676846	10.99870014	0.138415441	0.001386298	133.3237457	0.007271717	0.021298504	0.000313823	0.000915937	0.000347771	0.623029649	2.58069E-05	0.000782432	0.000833507	0.002547682	0.001555714
2041 Sep	0.002005561	0.082767121	1.32394E-05	7.138316631	13.43711281	0.16452606	0.001513001	154.5435791	0.008265804	0.021764632	0.000351627	0.001010541	0.000399247	0.672822356	2.72652E-05	0.000921361	0.00088478	0.002642892	0.001683526
2041 Oct	0.002169519	0.080051027	1.33164E-05	8.929977417	16.86050606	0.208647564	0.001676547	187.4461975	0.009519816	0.024356062	0.000372637	0.001080258	0.00045277	0.793380737	3.32883E-05	0.001109821	0.000914901	0.002733016	0.001858887
2041 Nov	0.002214641	0.079970397	1.33585E-05	9.8195442792	18.41106415	0.231093839	0.001733405	201.0874176	0.010007158	0.025765957	0.000377599	0.001092847	0.000469688	0.849944651	3.63818E-05	0.001197006	0.000936711	0.002799119	0.001910556
2041 Dec	0.002219954	0.07998234	1.33666E-05	9.893769264	18.51575851	0.232619733	0.001741545	201.988327	0.010049199	0.025882449	0.00037922	0.00109623	0.000471608	0.855226874	3.66253E-05	0.001207648	0.000938728	0.002805587	0.001917203
2042 Jan	0.002221215	0.079977736	1.33683E-05	9.910593033	18.52857018	0.232994884	0.001743624	202.2015991	0.010058109	0.025942804	0.000379578	0.001096909	0.000471933	0.857457578	3.67442E-05	0.001210507	0.000938877	0.002807494	0.001919469
2042 Feb	0.002221612	0.079972349	1.33682E-05	9.9171056754	18.53185654	0.233155057	0.001744348	202.2889252	0.010061225	0.025972443	0.000379684	0.001097068	0.000472014	0.858505189	3.6803E-05	0.001211618	0.000938854	0.002808214	0.001920392
2042 Mar	0.002223712	0.080033213	1.33789E-05	9.929689407	18.54929543	0.233434051	0.001746387	202.4975586	0.010071537	0.026009278	0.000380117	0.001098167	0.000472485	0.859814882	3.68645E-05	0.001213487	0.000939625	0.002810914	0.001922565
2042 Apr	0.002244428	0.080736831	1.34974E-05	10.02934456	18.72185898	0.235595599	0.001764255	204.3087463	0.01016656	0.026247174	0.000384139	0.001109114	0.000477125	0.868191719	3.72074E-05	0.001227173	0.000948208	0.002836502	0.001941026
2042 May	0.00247383	0.084004164	1.36921E-05	11.13110065	19.80582428	0.259806871	0.001928054	226.9522247	0.011266342	0.029566336	0.000476654	0.001250538	0.000532339	1.009999394	4.3454E-05	0.001418731	0.001015646	0.003015091	0.002155129
2042 Jun	0.002256067	0.073931649	1.18497E-05	12.07620716	16.29797554	0.309361905	0.001754169	246.1315918	0.010693779	0.0466411	0.000436907	0.001031257	0.000437594	1.523093224	7.78711E-05	0.001596566	0.000824152	0.003171905	0.002227953
2042 Jul	0.001719516	0.079169765	1.1723E-05	7.103483677	11.04183674	0.175228029	0.001299678	146.0779572	0.007016196	0.028252061	0.000316288	0.000796327	0.000311999	0.845137775	4.03161E-05	0.000981726	0.000748009	0.002635142	0.001475551
2042 Aug	0.001781262	0.076205574	1.15842E-05	8.4587183	14.23433781	0.196479514	0.001456122	166.1982574	0.007568692	0.026162902	0.000346013	0.000857265	0.000364471	0.835419893	3.75204E-05	0.001170096	0.000745767	0.00256316	0.001525258
2042 Sep	0.001853241	0.072197281	1.14365E-05	9.695010185	16.79962349	0.219028711	0.001607209	186.1082611	0.008158641	0.025935706	0.000361227	0.000889333	0.000405391	0.871237814	3.81197E-05	0.001326955	0.000718275	0.002487244	0.001587981
2042 Oct	0.001894937	0.07023672	1.12544E-05	10.40569592	18.68984222	0.235577688	0.001669792	196.6456909	0.008556975	0.025583198	0.000356522	0.000881525	0.000423674	0.874378324	3.80044E-05	0.00138062	0.000706746	0.002420983	0.001584493
2042 Nov	0.001947335	0.070596643	1.13278E-05	11.34143162	20.67293549	0.257543832	0.001729074	210.2129211	0.009110183	0.025908994	0.000365334	0.000904346	0.000446884	0.899717152	3.90502E-05	0.001463241	0.000742495	0.00248134	0.001619271
2042 Dec	0.001952703	0.070601977	1.13346E-05	11.42236137	20.79822731	0.259248167	0.001737105	211.2207794	0.00915611	0.026013652	0.000366892	0.000907684	0.000448951	0.904719889	3.92783E-05	0.001473957	0.000744849	0.00248784	0.001625611
2043 Jan	0.001954073	0.070587434	1.13349E-05	11.44080925	20.81077957	0.259581953	0.001739796	211.3853149	0.009165716	0.026064787	0.000367463	0.000908771	0.000449399	0.906847358	3.93813E-05	0.001477554	0.000745065	0.002489541	0.001628077
2043 Feb	0.00195444	0.070585012	1.13352E-05	11.44606686	20.81312943	0.259725481	0.001740339	211.4665833	0.009168505	0.026092581	0.000367527	0.00090888	0.000449453	0.90779078	3.94359E-05	0.001478386	0.000745066	0.002490247	0.001628918
2043 Mar	0.001955358	0.070612229	1.134E-05	11.45282173	20.82219124	0.259904414	0.001741179	211.5962067	0.00917334	0.026118368	0.000367664	0.000909219	0.000449632	0.90863955	3.94817E-05	0.001479249	0.000745343	0.002491596	0.001629947
2043 Apr	0.001973714	0.071271598	1.1446E-05	11.56114388	21.01724625	0.262376785	0.001757542	213.5996552	0.009259762	0.026371291	0.000371097	0.000917707	0.000453835	0.91741246	3.9868E-05	0.001493238	0.000752299	0.002515087	0.001645401
2043 May	0.002115078	0.075457834	1.17134E-05	13.45214653	22.43066216	0.292771131	0.002040091	247.0050354	0.00994576	0.031215329	0.000471197	0.00105485	0.000513647	1.132706881	4.9046E-05	0.001857135	0.00078917	0.002703929	0.001909317
2043 Jun	0.001901299	0.085121267	1.03818E-05	14.27864742	16.4817276	0.35499236	0.001851261	267.3217773	0.009080759	0.055468366	0.000496508	0.000800271	0.00038743	1.845179081	9.5848E-05	0.002016835	0.000685409	0.003023292	0.002142103
2043 Jul	0.001684227	0.115571067	1.11008E-05	7.686608315	11.60503387	0.195499912	0.001328174	140.5656128	0.006196119	0.029437002	0.000510255	0.000677954	0.000298749	0.889198303	4.11284E-05	0.0010801	0.000848004	0.002485015	0.001266223
2043 Aug	0.001801083	0.119062193	1.15038E-05	8.866066933	14.14716816	0.218697488	0.001460077	157.9101715	0.006902703	0.029162969	0.000551935	0.00075706	0.000345273	0.911206126	4.06642E-05	0.001218993	0.00091517	0.002588503	0.001348258
2043 Sep	0.00197269	0.114616662	1.17233E-05	10.98901463	18.33275223	0.248878464	0.001743785	190.1110687	0.0080438	0.028015675	0.000612246	0.000928567	0.00043656	0.956598103	3.9472E-05	0.001525885	0.000954052	0.002661989	0.001532094
2043 Oct	0.002017953	0.102366455	1.14981E-05	10.73291492	17.944664	0.249428183	0.001769662	191.0677643	0.008332826	0.031034196	0.000537128	0.000892046	0.000422682	1.030252576	4.55073E-05	0.001488258	0.000840001	0.002608482	0.001588814
2043 Nov	0.00195653	0.09540306	1.12222E-05	9.961970329	16.40643692	0.254003435	0.001621941	185.5457306	0.008198761	0.035522673	0.000426758	0.000735088	0.000360187	1.106423736	5.40816E-05	0.00130515	0.000744911	0.002572967	0.001538246
2043 Dec	0.001962607	0.095362142	1.12277E-05	10.09043121	16.65622711	0.257316738	0.001628357	187.6670532	0.008272009	0.035684954	0.000427074	0.000736676	0.00036271	1.113221765	5.4462E-05	0.001315762	0.000748614	0.002582444	0.001544648
2044 Jan	0.001963363	0.095405258	1.1229E-05	10.10411453	16.67028427	0.257655352	0.001634634	187.8333893	0.00827765	0.035727359	0.000427225	0.00073691	0.000363112	1.114597917	5.45561E-05	0.001317083	0.000749022	0.002583802	0.001545968
2044 Feb	0.00196465	0.095536426	1.12366E-05	10.11929226	16.68554878	0.257897615	0.001654683	187.8939362	0.008281317	0.035756897	0.000427634	0.000737679	0.000364214	1.115231395	5.46381E-05	0.001317999	0.000749934	0.002585766	0.001547336
2044 Mar	0.001967325	0.095704988	1.12527E-05	10.14243889	16.71380424	0.258335739	0.001676733	188.1123199	0.008291364	0.035815794	0.000428254	0.000738984	0.000365618	1.116752028	5.47688E-05	0.001319864	0.000751224	0.002589733	0.001549967
2044 Apr	0.001974143	0.096057884	1.12923E-05	10.18580914	16.77675819	0.259306759	0.001699417	188.7392273	0.008319273	0.035949424	0.000429748	0.000741819	0.000367666	1.12065506	5.50085E-05	0.001324546	0.000754001	0.002599126	0.001555844
2044 May	0.002019376	0.099424675	1.15688E-05	10.3925457	17.12031555	0.264853865	0.001735734	192.2432861	0.008486189	0.036688618	0.000444502	0.000757556	0.000375622	1.142620444	5.60378E-05	0.001350434	0.000776979	0.002659677	0.001584942
2044 Jun	0.001261124	0.096982971	1.00517E-05	4.976541519	8.123577118	0.10909953	0.000914091	81.30413818	0.004010131	0.017722584	0.000367875	0.000547175	0.000222055	0.46981889	1.93017E-05	0.00069347	0.000654801	0.002160094	0.000701235
2044 Jul	0.001353155	0.101328768	1.03634E-05	2.824983597	6.897859573	0.070713446	0.000852662	54.40264893	0.003789666	0.014139055	0.000364733	0.000547064	0.000206902	0.292948753	1.09645E-05	0.000382169	0.000676776	0.002152535	0.000561896
2044 Aug	0.00207822	0.103115171	1.14095E-05	10.11765003	12.88923264	0.112275429	0.002712921	59.76454926	0.007539057	0.014332995	0.000798908	0.001401364	0.000539556	0.62851733	1.19238E-05	0.002205771	0.000885397	0.002620633	0.00144426
2044 Sep	0.001565543	0.097026102	1.09876E-05	4.446549892	8.345380783	0.068081081	0.001459294	58.03159332	0.004493832	0.013449863	0.000418639	0.000719233	0.00029547	0.338939577	9.31404E-06	0.000776816	0.000591284	0.002094555	0.000732637
2044 Oct	0.001500789	0.095228665	1.06685E-05	3.32357192	7.373296738	0.056881629	0.001271618	50.63855743	0.003978505	0.01328111	0.000329232	0.000569531	0.000243881	0.275300264	8.38268E-06	0.000525476	0.000512408	0.001884631	0.000586318
2044 Nov	0.001492721	0.095828049	1.06961E-05	3.037359238	7.086671829	0.054209087	0.001185267	46.93872452	0.003893805	0.013294051	0.000309439	0.000533948	0.000228998	0.259591132	8.03434E-06	0.000470515	0.000500945	0.001855799	0.00054778
2044 Dec	0.001499481	0.095860295	1.07066E-05	3.129048824	7.151468754	0.054779671	0.001237599	46.88612747	0.00392758	0.013324629	0.000313326	0.000542394	0.000233655	0.263173819	8.15642E-06	0.000489507	0.000502885	0.001860315	0.000557355
2045 Jan	0.001500541	0.09600649	1.07062E-05	3.164162874	7.173681736	0.055144183	0.001279412	46.82952118	0.003931452	0.013352078	0.000314263	0.000544196	0.000235939	0.264128685	8.2844E-06	0.000493395	0.000504153	0.001861266	0.000559971
2045 Feb	0.001501046	0.09621571	1.07076E-05	3.212556124	7.207728863	0.05576621	0.001362596	46.80845261	0.003931092	0.013416328	0.000314776	0.000545744	0.000239902	0.265125155	8.56708E-06	0.000494976	0.000505899	0.001863584	0.000563264
2045 Mar	0.001504982	0.096574672	1.0735E-05	3.24071455	7.239942074	0.056184761	0.001401929	46.91347504	0.003940171	0.013478132	0.000315787	0.000547643	0.000242176	0.266182184	8.71105E-06	0.000496616	0.000508044	0.001869195	0.000565939
2045 Apr	0.001510884	0.097012833	1.07769E-05	3.268054962	7.278246403	0.056596171	0.001433948	47.08786774	0.003954893	0.013550879	0.000317121	0.000550171	0.000244355	0.267495185	8.83562E-06	0.000498856	0.000510532	0.001877121	0.000569097
2045 May	0.001516101	0.097356953	1.08161E-05	3.327251196	7.336196899	0.057314318	0.001525827	47.25244141	0.003967876	0.013664349	0.000318149	0.000553633	0.000249304	0.269307047	9.1653E-06	0.000501898	0.000512864	0.00188615	0.000574608
2045 Jun	0.001276473	0.082629465	9.94558E-06	4.508816719	7.591948986	0.054416038	0.001135671	62.96178055	0.003609481	0.010669527	0.000396723	0.000754823	0.000277382	0.295968711	5.7303E-06	0.000818513	0.000582713	0.002141098	0.000675172
2045 Jul	0.001689187	0.08952602	1.06926E-05	2.692422152	9.711740494	0.064370923	0.001100077	71.19648743	0.005265185	0.012652746	0.000415694	0.000801295	0.000298461	0.264643013	8.32371E-06	0.000383594	0.00070832	0.00242524	0.000755992
2045 Aug	0.001824971	0.093763255	1.16174E-05	5.584462166	10.73457241	0.075276554	0.002092438	68.42815399	0.006071226	0.012877096	0.000531099	0.001034532	0.000409325	0.367580563	9.03933E-06	0.001020833	0.000744349	0.002584098	0.001008675
2045 Sep	0.001843477	0.09072572	1.13183E-05	6.024489403	10.8738203	0.073437274	0.002104703	68.63324738	0.006082273	0.012323147	0.000537581	0.001045563	0.000418218	0.381027728	7.94366E-06	0.001145885	0.00069048	0.002411434	0.001041599
2045 Oct	0.00201522	0.091561936	1.15178E-05	8.344023705	12.7103405	0.089680776	0.003634705	72.00634003	0.006867982	0.013384457	0.000632955	0.001253001	0.000545167	0.4737674	1.20395E-05	0.001585442	0.000735129	0.002507882	0.001290473

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2045 Nov	0.002066603	0.091945894	1.16199E-05	9.081398964	13.28984165	0.095443234	0.00422569	72.32652283	0.007120609	0.013829693	0.000660878	0.001317283	0.000588933	0.501600444	1.37918E-05	0.001712359	0.000753269	0.002556604	0.001368404
2045 Dec	0.002076757	0.092036545	1.16405E-05	9.228731155	13.40087414	0.096553467	0.004340725	72.3265152	0.007169634	0.013916813	0.000666343	0.001329818	0.000597446	0.507139266	1.41266E-05	0.001738275	0.000756622	0.002565492	0.001383605
2046 Jan	0.002077934	0.092155114	1.16431E-05	9.258699417	13.42032337	0.096862741	0.004376859	72.27941132	0.007173519	0.013945817	0.000667068	0.001331329	0.00059941	0.508020937	1.42425E-05	0.001741594	0.000757557	0.002566594	0.001385892
2046 Feb	0.002078736	0.092341535	1.16473E-05	9.260393143	13.42386818	0.096967556	0.004378045	72.28004456	0.007174245	0.013952955	0.000667498	0.00133136	0.000599492	0.508151889	1.42472E-05	0.001741518	0.000758573	0.00256722	0.001385834
2046 Mar	0.002085662	0.092731766	1.16859E-05	9.28981781	13.46742725	0.097323157	0.004391598	72.5059433	0.007197045	0.013999795	0.000669818	0.001335521	0.000601373	0.509802222	1.42916E-05	0.001746904	0.000761494	0.002575552	0.001390098
2046 Apr	0.002089078	0.092862211	1.16976E-05	9.312833786	13.4916544	0.097522803	0.004398222	72.57048035	0.007211199	0.014012717	0.000671431	0.001338408	0.000602528	0.510981798	1.43039E-05	0.001752222	0.000762893	0.002578683	0.001393069
2046 May	0.002088795	0.1033189	1.18151E-05	9.178748131	13.30147266	0.101029389	0.004250378	69.85101318	0.007079898	0.014114666	0.000710777	0.001310468	0.000590435	0.506558657	1.38205E-05	0.001716406	0.000815475	0.002587058	0.001349037
2046 Jun	0.001175642	0.092500292	1.00469E-05	4.613762379	6.635993481	0.054194346	0.001284987	47.41862869	0.003287588	0.009982639	0.000429836	0.000723457	0.000268977	0.266087085	4.72811E-06	0.000827451	0.000650795	0.00219997	0.000596336
2046 Jul	0.001262636	0.086175621	9.88992E-06	1.963838935	6.434764862	0.044649318	0.000730021	42.83774185	0.003606532	0.010192924	0.000320053	0.000583051	0.000204832	0.165088013	4.72507E-06	0.000251371	0.000626524	0.002187028	0.000467207
2046 Aug	0.001346148	0.088785574	1.036E-05	2.833865166	6.948746681	0.048512865	0.000928578	42.75379562	0.003990198	0.010438002	0.000362091	0.000667666	0.000238732	0.202009678	4.738E-06	0.000458716	0.000643866	0.002266392	0.000557582
2046 Sep	0.001402858	0.083373152	1.01156E-05	3.719918966	7.524581432	0.047470078	0.00125841	47.85253906	0.004042189	0.010081036	0.000363478	0.00068928	0.000271346	0.235338718	4.34553E-06	0.000658691	0.000530672	0.001982805	0.000634028
2046 Oct	0.001463674	0.084404625	9.94842E-06	3.502326727	7.506238937	0.045009963	0.001546256	43.19803619	0.004009745	0.010631876	0.000326746	0.000627763	0.000269317	0.221816882	4.92057E-06	0.000600218	0.000477454	0.001785082	0.000604067
2046 Nov	0.001525067	0.085118964	1.00377E-05	4.104979515	7.898321152	0.048719682	0.001869982	39.98223877	0.004307726	0.010903044	0.000352338	0.000682396	0.000298229	0.246330306	5.63765E-06	0.000740181	0.000491143	0.001806851	0.00066721
2046 Dec	0.001541905	0.08518222	1.00607E-05	4.318823814	8.061750412	0.050187234	0.00198564	40.02313614	0.004394747	0.010977399	0.000362296	0.000703306	0.000309225	0.255313247	5.92982E-06	0.000785003	0.000496606	0.001819269	0.000690915
2047 Jan	0.001543959	0.085358404	1.00647E-05	4.37178421	8.098095894	0.050741326	0.002048568	39.99651718	0.004402766	0.01102793	0.000363664	0.000706258	0.000312743	0.256947607	6.13603E-06	0.000790848	0.000498321	0.001821761	0.00069527
2047 Feb	0.001544983	0.085624479	1.00723E-05	4.419231892	8.133708954	0.051390219	0.002132784	40.0065155	0.004402799	0.011102819	0.000364139	0.000707692	0.00031673	0.257997364	6.43072E-06	0.000791836	0.000500249	0.001825016	0.000698514
2047 Mar	0.001557297	0.086417109	1.01544E-05	4.500024796	8.22966671	0.052366745	0.002234006	40.32229614	0.004436013	0.011259208	0.000367089	0.000714538	0.000323152	0.260939866	6.77657E-06	0.000798927	0.000505299	0.00184188	0.000707195
2047 Apr	0.00156837	0.087091729	1.02283E-05	4.569714546	8.313982964	0.053189449	0.002319385	40.61051178	0.004466321	0.01139504	0.000369682	0.00072068	0.000328682	0.263524354	7.06758E-06	0.000805345	0.000509601	0.001856958	0.000714878
2047 May	0.001542309	0.107950151	1.01375E-05	4.53118372	7.994880199	0.063583091	0.002089814	35.53561401	0.004217897	0.011344355	0.000475823	0.000683594	0.000313182	0.266029835	6.399E-06	0.000779764	0.000634894	0.001859066	0.000646974
2047 Jun	0.001409858	0.161318496	9.74124E-06	3.756095409	7.384546757	0.08866933	0.000929848	42.29524231	0.003203064	0.010590171	0.000759255	0.000582139	0.000251345	0.254684418	3.25206E-06	0.000536293	0.00098295	0.001930246	0.000438672
2047 Jul	0.001751448	0.148635626	1.06535E-05	3.010510445	9.395532608	0.085029677	0.001125295	51.39241409	0.004717552	0.011450864	0.000710847	0.000721338	0.000299965	0.238369793	4.11524E-06	0.000401267	0.00098178	0.002212276	0.000594152
2047 Aug	0.002440935	0.144301772	1.17093E-05	10.81810474	15.47899151	0.128737122	0.003360377	61.78122711	0.008377539	0.012211621	0.001115701	0.0015806	0.000650291	0.601058841	7.16454E-06	0.002293012	0.00113833	0.002650956	0.001523451
2047 Sep	0.001949567	0.126629904	1.10371E-05	5.624310493	11.48482132	0.08618281	0.001824938	69.10295105	0.005715286	0.011289323	0.000731223	0.000986772	0.000415273	0.358382791	4.50532E-06	0.001036267	0.000832919	0.002164189	0.000930584
2047 Oct	0.00180745	0.116034798	1.05907E-05	3.818408489	9.891986847	0.068029694	0.001556064	59.73799515	0.004972987	0.011259821	0.000556817	0.000769076	0.000334449	0.265642196	4.2009E-06	0.000632479	0.000699636	0.001933379	0.000725203
2047 Nov	0.001807349	0.115155227	1.06201E-05	3.638268232	9.600288391	0.065795258	0.001618152	52.5080986	0.004994727	0.011412292	0.000530887	0.000741576	0.000326129	0.253039777	4.41769E-06	0.000604145	0.000686458	0.001915993	0.00069916
2047 Dec	0.001820958	0.115107179	1.064E-05	3.839114666	9.743486404	0.067136839	0.00174263	52.48506546	0.005067167	0.011494954	0.000538777	0.000759848	0.000336636	0.26108098	4.75568E-06	0.000644115	0.00069052	0.001927008	0.00072054
2048 Jan	0.001825336	0.115257509	1.06486E-05	3.927414656	9.804758072	0.067917988	0.001827698	52.45907974	0.005087945	0.011561131	0.000541366	0.000766046	0.000342	0.264123917	5.0239E-06	0.000656943	0.000692886	0.001931821	0.000728694
2048 Feb	0.001827542	0.115602046	1.06642E-05	3.979372263	9.847040176	0.068622768	0.001915277	52.49628067	0.005091183	0.011646337	0.000542115	0.000768029	0.000346301	0.265398681	5.32974E-06	0.000658578	0.000695268	0.001936547	0.000732513
2048 Mar	0.001827697	0.115713708	1.06682E-05	4.027042389	9.879037857	0.069195971	0.002001127	52.4912529	0.005089782	0.011717521	0.0005421	0.000769371	0.000350292	0.266358972	5.63012E-06	0.000659701	0.000696322	0.001939276	0.000735803
2048 Apr	0.00185042	0.118276745	1.07966E-05	4.122548103	10.02382946	0.071148045	0.002099909	52.95019913	0.005141765	0.011933255	0.000550569	0.000778237	0.000357556	0.270881385	5.96544E-06	0.000667743	0.000711517	0.001963653	0.000745328
2048 May	0.001864748	0.11968971	1.08795E-05	4.202826977	10.1293478	0.072478391	0.002196813	53.26969147	0.005176621	0.012094046	0.000555635	0.000784949	0.000363908	0.274108827	6.29519E-06	0.000674071	0.00072024	0.001980481	0.000753376
2048 Jun	0.001116026	0.089669943	9.78658E-06	3.565975189	6.016942024	0.044192739	0.001021208	47.14527512	0.002803311	0.009430078	0.000360654	0.000609031	0.000227783	0.210120827	3.32644E-06	0.000593183	0.000578429	0.002021258	0.000478188
2048 Jul	0.001177249	0.089104816	9.71776E-06	1.680482984	5.639229774	0.037757877	0.000670877	33.07809448	0.003059278	0.009331228	0.000302506	0.000509832	0.000180463	0.127214044	2.86222E-06	0.00020987	0.000596816	0.002046625	0.000359752
2048 Aug	0.001311568	0.089794375	1.01072E-05	2.886242151	6.655304909	0.044220295	0.000950218	35.54192352	0.003694033	0.009523873	0.000367533	0.000644137	0.00023473	0.18530035	3.07196E-06	0.0005066	0.00061134	0.002120133	0.000507997
2048 Sep	0.001449759	0.085371189	1.01387E-05	4.019900799	8.085331917	0.04947165	0.001473717	50.25376129	0.004143809	0.009712278	0.000404567	0.000746447	0.000300486	0.24209182	3.98661E-06	0.000727274	0.000550944	0.002007457	0.000667645
2048 Oct	0.001488818	0.084045187	9.81728E-06	2.745805264	7.762346745	0.042245548	0.001312473	46.36257553	0.004060623	0.009883704	0.000332594	0.000622229	0.00026252	0.187439784	3.6288E-06	0.000444037	0.000491754	0.001805554	0.00056945
2048 Nov	0.001477461	0.085502371	9.89679E-06	2.791395426	7.398418903	0.040990546	0.001443507	40.69134521	0.003931805	0.010252373	0.000311083	0.000585438	0.000255833	0.184197232	4.0488E-06	0.000448348	0.000471983	0.001755806	0.000541766
2048 Dec	0.001481771	0.085630082	9.91501E-06	2.861229897	7.445017338	0.041529644	0.001508721	40.66289139	0.003948671	0.01031582	0.000312912	0.000590186	0.000259951	0.186625749	4.25268E-06	0.000458853	0.000473279	0.001760261	0.000548117
2049 Jan	0.001482017	0.085843585	9.9199E-06	2.895504951	7.465459347	0.041985456	0.001569204	40.62652588	0.003945912	0.010371272	0.000313048	0.00059073	0.000262655	0.187350482	4.46508E-06	0.000459558	0.000474497	0.00176186	0.000550016
2049 Feb	0.001482688	0.086106546	9.92449E-06	2.940894842	7.497673988	0.042613976	0.001648493	40.6209259	0.00394513	0.010440153	0.000313536	0.000591986	0.000266374	0.188369557	4.74306E-06	0.000460629	0.000476406	0.001764482	0.000552994
2049 Mar	0.001487116	0.086480051	9.95533E-06	2.993931532	7.549515247	0.043290675	0.001732726	40.73405838	0.003955327	0.010535278	0.000314597	0.000594953	0.000270854	0.189838663	5.03483E-06	0.000463064	0.000478928	0.001771862	0.000557658
2049 Apr	0.001509655	0.087851681	1.01081E-05	3.085731268	7.695108414	0.044488031	0.001842424	41.35176086	0.004014167	0.01076175	0.00031937	0.000605345	0.000278864	0.193649143	5.40267E-06	0.000471301	0.000487001	0.001801084	0.000569424
2049 May	0.001573299	0.096734524	1.05749E-05	3.265986681	7.998913765	0.049385402	0.001955391	42.14625549	0.004139268	0.011344549	0.000357098	0.000625338	0.000291592	0.204308882	5.8101E-06	0.000488109	0.000538136	0.001888939	0.000583228
2049 Jun	0.000967748	0.085330635	9.52397E-06	2.569694519	4.598120689	0.034533571	0.000706187	33.14744186	0.002280089	0.008982768	0.000279955	0.000482647	0.000169493	0.152999759	2.69398E-06	0.00039486	0.000539723	0.001976926	0.000330941
2049 Jul	0.001203841	0.082821973	9.38373E-06	1.671867609	5.836740971	0.035598252	0.000705811	34.00530624	0.003200353	0.008934732	0.000290291	0.000522975	0.000188961	0.125188634	2.64805E-06	0.000219218	0.00056132	0.001988164	0.000389516
2049 Aug	0.001431925	0.088012643	1.02983E-05	3.922803402	7.576456547	0.04917128	0.001268632	37.29359818	0.00429331	0.00962999	0.000418359	0.000774295	0.000287333	0.232301578	3.38207E-06	0.000760683	0.00063322	0.002215792	0.000647812
2049 Sep	0.001556655	0.087418094	1.0441E-05	4.743778229	8.730823517	0.052949864	0.001643403	50.53826904	0.00458188	0.010058878	0.000444166	0.000837629	0.000333348	0.276494205	3.94787E-06	0.000916847	0.00058022	0.002085926	0.000759623
2049 Oct	0.001524382	0.086959019	1.00953E-05	3.216617107	7.936964035	0.044804461	0.001647321	44.72051239	0.00417032	0.010445523	0.000345266	0.000658807	0.000284219	0.203517735	4.52479E-06	0.000532926	0.000515107	0.001873534	0.000605144
2049 Nov	0.001612332	0.087016582	1.01847E-05	4.657738686	8.842897415	0.05482113	0.002714708	41.8269577	0.004635391	0.011212712	0.000393112	0.000770605	0.000361077	0.257520556	7.59435E-06	0.000802403	0.000538261	0.001923311	0.000746791
2049 Dec	0.001627167	0.087075815	1.02076E-05	4.870557785	9.000694275	0.056356579	0.002856804	41.85238266	0.004711547	0.011313099	0.000401767	0.000789673	0.000372633	0.265982449	7.99353E-06	0.000843046	0.000543145	0.001935266	0.000769464
2050 Jan	0.001628288	0.087289847	1.02154E-05	4.927959442	9.038889885	0.057031065	0.002948396	41.83210373	0.004712793	0.011393392	0.000402283	0.000791603	0.000377056	0.267365128	8.31024E-06	0.000845928	0.000544723	0.001938369	0.000773501
2050 Feb	0.001628598	0.087527044	1.02211E-05	5.007383823	9.093582153	0.058033317	0.00309372	41.83235931	0.004710034	0.011514302	0.000402445	0.000793698	0.000383791	0.26896593	8.82032E-06	0.000847349	0.00054676	0.001942678	0.000778911
2050 Mar	0.001629476	0.087692179	1.02294E-05	5.0628438	9.134181976	0.058713045	0.003192559	41.85362244	0.004710438	0.011599866	0.000402668	0.000795501	0.000388489	0.27014786	9.16604E-06	0.000848743	0.000548193	0.001946437	0.000782947
2050 Apr	0.001648131	0.088760592	1.03492E-05	5.167651653	9.270570755	0.059937116	0.003315205	42.33679962	0.004762895	0.011802513	0.000407213	0.000805918	0.000396938	0.274154782	9.57261E-06	0.000859411	0.000555263	0.001971212	0.000795227
2050 May	0.001662463	0.092863701	1.04768E-05	5.232575893	9.336799622	0.06235043	0.003378571	42.16773224	0.004770306	0.01201171	0.000424757	0.000807661	0.000401064	0.27740854	9.82615E-06	0.000859717	0.000578855	0.001996657	0.000794328
2050 Jun	0.001038977	0.098428547	9.64204E-06	2.913767338	5.082285404	0.044174779	0.000867308	34.79111481	0.002431891	0.009364615	0.000362416	0.000510745	0.000190751	0.173593566	3.11646E-06	0.000439885	0.000620464	0.001999814	0.000358132
2050 Jul	0.001249566	0.090604141	9.43083E-06	1.730452418	6.054183006	0.040031541	0.000711024	34.79997253	0.003292268	0.009076494	0.000334165	0.000528845	0.000195463	0.131746575	2.54477E-06	0.000222848	0.00060007	0.001976718	0.000395371
2050 Aug	0.001553569	0.092189148	9.95265E-06	3.14648056	8.43390274	0.0524901	0.001199248	44.99995041	0.004506587	0.009435312	0.00045367	0.000773656	0.000292623	0.205879346	3.20361E-06	0.000560382	0.000672306	0.002170008	0.000653622
2050 Sep	0.001957848	0.087553784	1.01506E-05	4.817466736	11.92256355	0.06661427	0.002031049	68.21517181	0.005908902	0.009821429	0.000572325	0.001054467	0.000424897	0.29637289	4.55075E-06	0.000916722	0.000691448	0.002210161	0.000997856
2050 Oct	0.002113297	0.088827223	1.04967E-05	7.415127754	13.78165436	0.085218906	0.004012653	71.95107269	0.006640209	0.011443253	0.000657413	0.001257991	0.000569647	0.396552712	1.04153E-05	0.001362574	0.000730857	0.002325404	0.00125949
2050 Nov	0.002204646	0.08920154	1.06619E-05	8.857287407	14.87994385	0.096542813	0.005206754	72.43254852	0.007110076	0.012324014	0.000709177	0.001379792	0.000655554	0.450270385	1.402E-05	0.001605262	0.000764161	0.00241567	0.001410248
2050 Dec	0.002212561	0.089269683	1.06835E-05	9.028259277	14.99838543	0.097960114	0.005386711	72.40267181	0.007149249	0.012468057	0.000713332	0.001391394	0.000666488	0.455887973	1.45972E-05	0.001628554	0.000767157	0.002425491	0.001426238
2051 Jan	0.002216013	0.089383096	1.06907E-05	9.112545967	15.05488491	0.098720513	0.005477238	72.36019897	0.007166513	0.012539003	0.000715466	0.001396744	0.000671848	0.458635807	1.48899E-05	0.001639593	0.00076909	0.002429722	0.001433756
2051 Feb	0.002216551	0.089547545	1.06964E-05	9.160240173	15.08686066	0.099303745	0.005559464	72.34381866	0.007166473	0.012609737	0.000715702	0.00139816	0.000675722	0.459685802	1.51769E-05	0.001641168	0.000770393	0.002432483	0.001437031
2051 Mar	0.002220149	0.089784265	1.07186E-05	9.218655586	15.14009666	0.09998782	0.00565069	72.45301819	0.00717606	0.012699982	0.000716694	0.001401448	0.00068057	0.461248487	1.54907E-05	0.001644377	0.000772434	0.002438974	0.001442274
2051 Apr	0.002245709	0.090872802	1.0847E-05	9.370855331	15.3450613	0.101668872	0.005802169	73.28516388	0.007257011	0.012918621	0.000724722	0.001418776	0.000692382	0.467422247	1.59725E-05	0.001664051	0.000781959	0.002469779	0.001462081
2051 May	0.002227702	0.101005077	1.07999E-05	9.504247665	15.05735111	0.106422141	0.005586013	68.39720917	0.007175452	0.012839929	0.000779661	0.001404591	0.000680688	0.47712329	1.52269E-05	0.001711352	0.000838839	0.002454723	0.001433428
2051 Jun	0.00108214	0.122050844	9.55849E-06	3.606782675	4.950325012	0.061158586	0.001182691	12.96311283	0.002645126	0.009702203	0.000504621	0.000519901	0.000207223	0.200668544	3.98925E-06	0.000598744	0.000778819	0.002009901	0.000348405
2051 Jul	0.000948017	0.10799475	9.67265E-06	3.131985664	4.024717808	0.048751477	0.001151507	9.704307556	0.002249168	0.00961705	0.000385172	0.000460867	0.000177728	0.166617781	4.2692E-06	0.000496491	0.000686834	0.002044831	0.000281245
2051 Aug	0.001083058	0.106529348	9.80596E-06	4.502167225	5.135313511	0.056252927	0.001547151	10.51154518	0.002950607	0.009702499	0.00045541	0.000611233	0.000240144	0.230782151	4.77167E-06	0.000836203	0.000703484	0.002092036	0.000450599
2051 Sep	0.00113427	0.103568003	9.70853E-06	5.078496933	5.562824726	0.058201615	0.001742783	10.61359692	0.003218204	0.009678326	0.000472177	0.000664606	0.000265246	0.257023305	5.00494E-06	0.000981849	0.000687959	0.002054667	0.000521719
2051 Oct	0.001114152	0.099485897	9.464E-06	4.888999939	5.32075882	0.054242875	0.001740111	9.957621574	0.003066659	0.009628848	0.000433205	0.000620227	0.000253414	0.246749207	4.94891E-06	0.000941463	0.000631451	0.001925539	0.000496939
2051 Nov	0.001117595	0.099371701	9.471E-06	4.912327766	5.334693909	0.054210257	0.00176549	9.940965652	0.003070927	0.00966786	0.000431623	0.000620111	0.000254583	0.247544721	5.01675E-06	0.00094529	0.000628194	0.001919796	0.000499001
2051 Dec	0.001118774	0.099384353	9.47356E-06	4.924738407	5.345041752	0.054297037	0.001771921	9.950634956	0.003076521	0.009673196	0.000432228	0.000621385	0.000255231	0.248082772	5.03275E-06	0.000947915	0.000628551	0.0019207	0.000500441
2052 Jan	0.001118881	0.099393792	9.47405E-06	4.928343773	5.34786272	0.054339573	0.001778086	9.953367233	0.003076717	0.009678567	0.000432243	0.000621516	0.000255532	0.248166502	5.05406E-06	0.00094805	0.000628626	0.001920891	0.000500725
2052 Feb	0.001119082	0.09941636	9.47555E-06	4.933804989	5.352260113	0.054406852	0.001787397	9.958296776	0.003077091	0.009687288	0.000432295	0.000621738	0.000255991	0.248294964	5.08649E-06	0.000948237	0.000628803	0.001921377	0.000501151
2052 Mar	0.00111978	0.099478796	9.48139E-06	4.941413879	5.3589468	0.054494277	0.001797273	9.967638016	0.00307889	0.009700141	0.000432535	0.000622249	0.000256557	0.248533294	5.12032E-06	0.000948875	0.000629237	0.001922745	0.000501805
2052 Apr	0.001121213	0.099606141	9.49349E-06	4.950493336	5.367839336	0.054596335	0.001804889	9.982301712	0.003082761	0.009716691	0.00043307	0.000623121	0.000257133	0.248902217	5.14548E-06	0.000950119	0.000630066	0.001925312	0.000502656
2052 May	0.001130692	0.10353905	9.55235E-06	4.909749031	5.382294178	0.056389883	0.001778048	9.972735405	0.003067869	0.009813605	0.000449319	0.000616763	0.000255599	0.248692557	5.10604E-06	0.000933681	0.000650903	0.001932374	0.000493032
2052 Jun	0.001096519	0.112388358	9.59052E-06	4.383261681	5.000013351	0.057903256	0.001548763	9.137104988	0.002799172	0.009882235	0.000465224	0.000555225	0.000230198	0.227807358	4.71669E-06	0.000795113	0.000693361	0.00193322	0.000441317
2052 Jul	0.001119734	0.112187415	9.73302E-06	4.632238865	5.174087048	0.058895681	0.001701716	9.19826889	0.002900712	0.010051956	0.000469979	0.000579354	0.000243354	0.237412184	5.15541E-06	0.000845389	0.000690681	0.001960665	0.000443207
2052 Aug	0.001181856	0.112273529	9.85391E-06	5.245853901	5.681551456	0.062611692	0.00191736	9.640956879	0.003208594	0.010184294	0.000501899	0.000646616	0.00027266	0.265597612	5.54855E-06	0.0009904	0.000703387	0.0019983	0.000517744
2052 Sep	0.001213756	0.111061312	9.85356E-06	5.605421066	5.962474823	0.064262278	0.002056492	9.828318596	0.003378646	0.010214652	0.000514947	0.000682771	0.000289554	0.281714618	5.79216E-06	0.001076595	0.00070141	0.00199854	0.000561876

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2052 Oct	0.00123003	0.110652544	9.86146E-06	5.788472176	6.105988503	0.065207496	0.002158612	9.93016243	0.003455559	0.01028231	0.00052047	0.000699552	0.000298893	0.289426595	6.03653E-06	0.001116004	0.000700999	0.00199985	0.000583314
2052 Nov	0.001233567	0.110784218	9.8766E-06	5.823891163	6.136280537	0.065502048	0.002183442	9.963273048	0.003469951	0.010310924	0.00052215	0.00070293	0.000300938	0.290868729	6.1092E-06	0.001122351	0.000702451	0.002003958	0.000587139
2052 Dec	0.001234711	0.110793464	9.87881E-06	5.836396217	6.14668417	0.065590136	0.002189982	9.97303772	0.003475558	0.010315877	0.000522763	0.000704221	0.000301594	0.291408688	6.12557E-06	0.001124991	0.000702814	0.002004855	0.000588596
2053 Jan	0.001235056	0.110800952	9.87964E-06	5.841768265	6.151043892	0.065638728	0.002195471	9.977290154	0.003477084	0.010320405	0.000522928	0.00070463	0.000301947	0.291595191	6.14302E-06	0.001125734	0.000702956	0.002005216	0.000589139
2053 Feb	0.001235357	0.110825881	9.88156E-06	5.845375061	6.154173374	0.065679789	0.002199803	9.981066704	0.003477985	0.010325417	0.000523053	0.000704879	0.000302204	0.291714102	6.15756E-06	0.001126096	0.000703145	0.002005704	0.000589463
2053 Mar	0.001236194	0.110901713	9.88824E-06	5.851346493	6.159841061	0.065748446	0.002205233	9.98929882	0.003480276	0.010335512	0.000523392	0.000705409	0.000302591	0.291948169	6.17554E-06	0.001126871	0.000703643	0.002007143	0.000590012
2053 Apr	0.001238761	0.11113134	9.9088E-06	5.865634918	6.17420435	0.06590952	0.002213951	10.01159191	0.003487451	0.01036022	0.000524462	0.000706934	0.000303411	0.2925933	6.20285E-06	0.001129234	0.000705119	0.002011404	0.0005914
2053 May	0.001265894	0.117855974	9.94823E-06	5.920873165	6.310405254	0.070008643	0.002175115	10.07685089	0.003532933	0.010453475	0.000563884	0.000711394	0.000305961	0.298817217	6.06288E-06	0.001135963	0.000746453	0.002019323	0.000591517
2053 Jun	0.001173525	0.124068134	9.74141E-06	4.970699787	5.54118681	0.068089105	0.001751216	8.764902115	0.003054003	0.010201167	0.000553738	0.000606967	0.000258761	0.258386433	5.20378E-06	0.000908813	0.000771565	0.001975699	0.000466208
2053 Jul	0.001190369	0.122899584	9.91609E-06	5.245870113	5.720909595	0.068922617	0.00194132	8.833906174	0.003163079	0.010411745	0.000554045	0.000637929	0.000273865	0.268168122	5.77816E-06	0.00096279	0.000774842	0.002033705	0.000497548
2053 Aug	0.001308252	0.124038354	1.01473E-05	6.365127563	6.670463562	0.076171234	0.002274126	9.720867157	0.003749602	0.010637783	0.000620091	0.000767027	0.000326172	0.320973247	6.27586E-06	0.001234043	0.000811835	0.002120382	0.000635162
2053 Sep	0.001358734	0.125129312	1.0294E-05	6.839683056	7.07664299	0.079577141	0.002469984	10.12349033	0.003983341	0.010833388	0.000647099	0.000819077	0.000349882	0.342554718	6.70856E-06	0.001339884	0.000829929	0.002165688	0.000691137
2053 Oct	0.001381429	0.125087738	1.03291E-05	7.084251404	7.277775288	0.081134818	0.002590799	10.30577374	0.004094573	0.010919376	0.000658125	0.000844184	0.0003624	0.353200823	6.99429E-06	0.001393173	0.000835023	0.002179391	0.000720072
2053 Nov	0.00138189	0.124735683	1.03244E-05	7.085202694	7.272980213	0.080868237	0.002601056	10.29048157	0.004090675	0.010933243	0.000655067	0.00084251	0.000362377	0.353019655	7.01921E-06	0.00139315	0.000830629	0.002172386	0.000720118
2053 Dec	0.001382527	0.124735832	1.03255E-05	7.09231329	7.278821468	0.080915645	0.002604967	10.29584885	0.004093784	0.010936128	0.000655379	0.000843223	0.000362753	0.353322387	7.02912E-06	0.001394639	0.000830785	0.00217281	0.000720947
2054 Jan	0.001382714	0.124740824	1.0326E-05	7.096547604	7.282169819	0.08095821	0.002610726	10.29918575	0.004094507	0.010940878	0.000655443	0.000843464	0.000363067	0.353444517	7.04837E-06	0.001395022	0.000830867	0.00217304	0.000721334
2054 Feb	0.001382868	0.12475802	1.03269E-05	7.099366665	7.284542084	0.08099401	0.002615063	10.30188656	0.004094866	0.010945206	0.0006555	0.000843602	0.000363292	0.353520989	7.06335E-06	0.001395174	0.000830994	0.002173323	0.000721561
2054 Mar	0.001382936	0.12476588	1.03275E-05	7.10167551	7.286374092	0.081022345	0.002619131	10.3039093	0.004094974	0.010948888	0.000655512	0.000843688	0.000363489	0.353572577	7.07754E-06	0.001395238	0.000831058	0.002173506	0.000721739
2054 Apr	0.001385398	0.1249879	1.03459E-05	7.116405487	7.300889492	0.081190981	0.002627906	10.32383633	0.004102193	0.010971648	0.000656659	0.000845245	0.000364326	0.354238957	7.10456E-06	0.001397732	0.000832554	0.002177468	0.00072318
2054 May	0.001391579	0.127330393	1.03982E-05	7.087179184	7.307152748	0.082160585	0.002611876	10.34435558	0.004092427	0.011045128	0.0006653	0.000841193	0.00036325	0.353843004	7.08568E-06	0.001386547	0.000844626	0.002184529	0.000716969
2054 Jun	0.001260172	0.129031301	1.0083E-05	5.798548698	6.226724148	0.075517274	0.00205383	8.971739769	0.003456194	0.010604536	0.000615682	0.000700906	0.000298806	0.296839416	5.88905E-06	0.001091648	0.000830129	0.002095761	0.00055774
2054 Jul	0.001216888	0.124760769	1.00469E-05	5.537534714	5.921448231	0.071356118	0.002011507	8.539064407	0.003300282	0.010508497	0.000577109	0.000671568	0.000286301	0.281770825	5.90744E-06	0.001031944	0.000795125	0.002079961	0.000528327
2054 Aug	0.001258452	0.123839639	1.01195E-05	5.962195873	6.261766434	0.073390335	0.00216128	8.835347176	0.003511925	0.010566616	0.000594274	0.000716235	0.00030633	0.301067233	6.16286E-06	0.001133983	0.000794577	0.00209396	0.00058076
2054 Sep	0.001293379	0.122655168	1.01481E-05	6.352081299	6.571804047	0.075268961	0.002318989	9.099505424	0.003698107	0.010615657	0.000608653	0.000756177	0.000325135	0.318433017	6.46354E-06	0.001225713	0.000793735	0.00210184	0.000628727
2054 Oct	0.001298688	0.121287636	1.01116E-05	6.430666924	6.618373394	0.07498008	0.00239589	9.116004944	0.003717143	0.010656747	0.000602737	0.000758916	0.00032927	0.320974499	6.65774E-06	0.001241435	0.00078166	0.002081676	0.00063816
2054 Nov	0.001297679	0.120811947	1.01005E-05	6.425661087	6.606892109	0.074649237	0.002419075	9.097732544	0.003705152	0.010680077	0.000598136	0.000755572	0.000329301	0.320240766	6.73313E-06	0.001238214	0.000775854	0.002072132	0.000637199
2054 Dec	0.001299228	0.120823182	1.01035E-05	6.442753315	6.621090889	0.074769519	0.002428262	9.111148834	0.003712737	0.010687049	0.000598957	0.000757322	0.000330205	0.320974141	6.75644E-06	0.00124179	0.000776336	0.002073342	0.00063919
2055 Jan	0.001299456	0.120828427	1.01038E-05	6.446403503	6.624069691	0.074803613	0.002432129	9.114064217	0.003713718	0.010690131	0.000599056	0.000757586	0.000330447	0.32109949	6.76876E-06	0.001242277	0.000776425	0.002073525	0.000639556
2055 Feb	0.001299508	0.120838642	1.01041E-05	6.448525429	6.625799179	0.074832939	0.002436098	9.115969658	0.003713733	0.010693626	0.000599065	0.000757647	0.000330634	0.3211447	6.78268E-06	0.001242296	0.000776499	0.002073652	0.000639709
2055 Mar	0.001299762	0.120864116	1.0106E-05	6.451735973	6.628569603	0.074872077	0.00244049	9.119293213	0.003714367	0.010698813	0.000599163	0.00075784	0.000330877	0.321241766	6.79777E-06	0.001242534	0.000776676	0.002074128	0.000639977
2055 Apr	0.001301666	0.121041141	1.01208E-05	6.463269711	6.639827251	0.075006239	0.002448156	9.134260178	0.003719741	0.010717713	0.000600022	0.000759006	0.00033155	0.321749568	6.82206E-06	0.001244367	0.000777832	0.002077254	0.000641071
2055 May	0.001309961	0.121793903	1.01842E-05	6.507989883	6.684661388	0.075514354	0.002468964	9.194558144	0.003743832	0.01078867	0.000603846	0.000764026	0.000333936	0.32388854	6.88287E-06	0.001252607	0.00078275	0.002090445	0.000645496
2055 Jun	0.001128734	0.109931886	9.94563E-06	5.198389053	5.370408058	0.060623519	0.001917606	7.53302145	0.00309472	0.010167238	0.000480881	0.000639809	0.000265891	0.259142905	5.70446E-06	0.000979326	0.000703787	0.002060611	0.00049893
2055 Jul	0.001059268	0.105500504	9.97827E-06	4.73020649	4.874821663	0.055014286	0.001828194	6.895203114	0.00283084	0.01012299	0.000427133	0.000592199	0.00024418	0.233506277	5.7292E-06	0.000866529	0.000672462	0.00207569	0.000443187
2055 Aug	0.0011255	0.106591143	1.01604E-05	5.345797539	5.396807194	0.059149232	0.002059827	7.39834404	0.003139879	0.01033943	0.000461509	0.000660205	0.000274237	0.261752844	6.20042E-06	0.001007795	0.000692024	0.002128746	0.000516974
2055 Sep	0.001162382	0.105701193	1.01722E-05	5.739507198	5.718059063	0.061242521	0.002206014	7.683697224	0.003332054	0.010372384	0.000478727	0.000700797	0.000292986	0.279712409	6.45105E-06	0.001101768	0.000693071	0.002132889	0.000565703
2055 Oct	0.001174926	0.105743781	1.0198E-05	5.879848003	5.832962513	0.06220882	0.002308463	7.795641422	0.00338539	0.010463479	0.000483443	0.000712934	0.000300974	0.285297245	6.7398E-06	0.001127633	0.000694907	0.002139044	0.000581268
2055 Nov	0.001179374	0.105782181	1.02087E-05	5.926151752	5.871266842	0.062524311	0.002339375	7.833277702	0.003404052	0.01049304	0.000485152	0.000717105	0.000303536	0.287195265	6.82431E-06	0.001136528	0.000695673	0.002141482	0.000586458
2055 Dec	0.001180882	0.105778359	1.02102E-05	5.942153931	5.884572983	0.062626444	0.002346072	7.845431328	0.003411704	0.010496781	0.000485959	0.000718816	0.000304327	0.287914366	6.83829E-06	0.001140187	0.000696045	0.002142287	0.000588399
2056 Jan	0.00118106	0.105793059	1.02111E-05	5.945163727	5.887087345	0.062661722	0.002350439	7.848211765	0.003412161	0.010501045	0.000486013	0.000718966	0.000304558	0.288000345	6.85312E-06	0.001140398	0.000696149	0.00214251	0.000588653
2056 Feb	0.001181176	0.10581135	1.02118E-05	5.94755888	5.88914156	0.062696032	0.002354545	7.850585461	0.003412324	0.010505089	0.000486052	0.000719056	0.000304759	0.28805986	6.86748E-06	0.001140458	0.00069627	0.002142722	0.00058883
2056 Mar	0.001181496	0.105843276	1.02144E-05	5.951116562	5.892242432	0.062738851	0.002359133	7.854314327	0.00341314	0.010511007	0.000486171	0.000719289	0.000305021	0.288172424	6.88322E-06	0.001140754	0.000696491	0.002143345	0.000589129
2056 Apr	0.001183548	0.106027976	1.02321E-05	5.963471889	5.903997898	0.062872447	0.002367218	7.869561195	0.003418994	0.010532372	0.000487001	0.000720588	0.000305735	0.288709313	6.90915E-06	0.001142743	0.000697721	0.002147134	0.000590302
2056 May	0.001192096	0.111729257	1.02698E-05	5.837842464	5.883716106	0.065189011	0.002296236	7.897194386	0.003369153	0.010627037	0.000508917	0.000704022	0.000300339	0.285741299	6.7638E-06	0.001104516	0.000726095	0.002143984	0.000569207
2056 Jun	0.0011317	0.126702815	9.9929E-06	4.752423286	5.212634087	0.067547992	0.001767866	7.268133163	0.002866823	0.010444088	0.000540758	0.000577838	0.000248363	0.245061383	5.58177E-06	0.000835751	0.000788345	0.002047405	0.000423388
2056 Jul	0.001154753	0.127226725	1.01918E-05	4.981752872	5.389041901	0.068865493	0.001942683	7.442520618	0.002958243	0.010704899	0.000545516	0.000601027	0.000261739	0.253566682	6.13013E-06	0.000875458	0.000794506	0.002095033	0.000447918
2056 Aug	0.001235201	0.1271009	1.03239E-05	5.772486687	6.046302319	0.073517203	0.002194569	8.04507637	0.00336424	0.010833492	0.000587469	0.000689824	0.000298887	0.290290803	6.5324E-06	0.001066803	0.000810844	0.002141569	0.000546061
2056 Sep	0.001301902	0.12719807	1.04262E-05	6.431975842	6.599345207	0.077594966	0.002412972	8.555605888	0.003700649	0.010961774	0.000623221	0.000763933	0.000330062	0.320932835	6.89581E-06	0.001224954	0.000828478	0.002183387	0.000627432
2056 Oct	0.001304427	0.125821367	1.03749E-05	6.477779388	6.622635841	0.077116147	0.002450323	8.564896584	0.00371291	0.010954659	0.00061763	0.000765056	0.000332064	0.322463334	6.96385E-06	0.001236706	0.000816939	0.00216194	0.000633911
2056 Nov	0.001306814	0.125635967	1.0373E-05	6.501428604	6.640292168	0.077138722	0.002462719	8.580353737	0.003723051	0.010962326	0.000617517	0.000766957	0.000333169	0.323458701	6.9876E-06	0.001242318	0.000815514	0.002159824	0.000636884
2056 Dec	0.001307909	0.125640243	1.0375E-05	6.513828278	6.650536537	0.077225208	0.002469754	8.590050697	0.003728422	0.010967552	0.000618083	0.000768202	0.000333833	0.32398361	7.00584E-06	0.00124487	0.000815829	0.002160639	0.000638326
2057 Jan	0.001308023	0.125652611	1.03759E-05	6.516510487	6.652709961	0.077258177	0.00247441	8.592541695	0.003728584	0.010972109	0.000618097	0.0007683	0.000334059	0.324046046	7.02205E-06	0.001244949	0.000815908	0.002160864	0.00063853
2057 Feb	0.001308112	0.125665963	1.03764E-05	6.518811226	6.654620171	0.077289373	0.00247845	8.594716072	0.003728702	0.010975916	0.000618121	0.000768382	0.000334256	0.324099958	7.03618E-06	0.001245003	0.000816002	0.002161052	0.000638702
2057 Mar	0.001308728	0.125725195	1.03813E-05	6.524974823	6.660062313	0.077362366	0.002485714	8.601214409	0.003730354	0.010985882	0.000618382	0.000768824	0.000334694	0.32430774	7.06086E-06	0.001245605	0.000816411	0.002162191	0.000639235
2057 Apr	0.001311133	0.125954434	1.04004E-05	6.540237904	6.674714565	0.077541664	0.002496646	8.619566917	0.003737129	0.011011072	0.000619486	0.000770329	0.000335604	0.324962556	7.0961E-06	0.001247927	0.000817929	0.002166307	0.00064066
2057 May	0.001320697	0.12805514	1.04746E-05	6.546823978	6.707239628	0.078528754	0.002495424	8.676977158	0.00374598	0.011102727	0.000628036	0.000770713	0.000336244	0.326035529	7.10939E-06	0.001245441	0.000829483	0.002179185	0.000639108
2057 Jun	0.001160839	0.12524572	1.01423E-05	5.091772079	5.44587183	0.068270259	0.001877138	7.332274914	0.003037736	0.010556916	0.000547126	0.000619408	0.000263409	0.259601563	5.77879E-06	0.000920987	0.000790115	0.002095771	0.000466244
2057 Jul	0.001148296	0.123477861	1.02672E-05	5.033185482	5.349973679	0.066479951	0.001896624	7.208220005	0.002999296	0.010645171	0.000528484	0.000615953	0.000261083	0.254833937	5.92432E-06	0.000904906	0.000780331	0.002128673	0.00045949
2057 Aug	0.001264159	0.125984341	1.05853E-05	6.075538635	6.246782303	0.07372757	0.002224785	8.070716858	0.003545136	0.010978924	0.00059276	0.000736249	0.00031049	0.303978682	6.48534E-06	0.001151845	0.000822951	0.002230712	0.000586013
2057 Sep	0.001300767	0.126224324	1.06677E-05	6.436490059	6.549082756	0.076053709	0.002379766	8.360372543	0.003718939	0.011105915	0.000610636	0.000774539	0.000328461	0.320184261	6.82298E-06	0.001232913	0.000831935	0.002255575	0.0006292
2057 Oct	0.001315334	0.125654593	1.06605E-05	6.612252235	6.688750744	0.076953717	0.002477096	8.486281395	0.003793815	0.011151229	0.000616038	0.000791143	0.000337537	0.3275792	7.05361E-06	0.001271128	0.000831211	0.002255558	0.00065045
2057 Nov	0.00131929	0.125708997	1.06731E-05	6.663247585	6.730181694	0.077357084	0.002523244	8.528177261	0.003810492	0.011193553	0.000617615	0.00079529	0.000340713	0.329446077	7.19548E-06	0.001279107	0.000832268	0.00225922	0.000655814
2057 Dec	0.001320265	0.125720754	1.06753E-05	6.673620701	6.738844395	0.077431031	0.00252892	8.536527634	0.003815088	0.01119837	0.000618113	0.000796345	0.000341264	0.329890728	7.21006E-06	0.001281255	0.000832574	0.002260012	0.000657017
2058 Jan	0.001320568	0.125721663	1.06755E-05	6.677960873	6.742399216	0.07746657	0.002532466	8.539923668	0.003816588	0.011200743	0.000618268	0.000796716	0.000341524	0.330056727	7.22056E-06	0.001281994	0.000832669	0.00226019	0.000657492
2058 Feb	0.001320678	0.125730246	1.06758E-05	6.68044281	6.744438648	0.077495798	0.002536083	8.542099953	0.003816941	0.011203833	0.000618313	0.000796845	0.000341716	0.330126286	7.23285E-06	0.001282171	0.00083275	0.00226034	0.000657706
2058 Mar	0.001320899	0.12574935	1.06774E-05	6.684139729	6.747490406	0.07753823	0.002541385	8.545526505	0.003817551	0.011209338	0.000618396	0.000797054	0.000342001	0.330230862	7.25103E-06	0.001282432	0.000832903	0.002260782	0.000658019
2058 Apr	0.001322404	0.125891536	1.06896E-05	6.694149017	6.756948948	0.077654026	0.002548958	8.557141304	0.003821833	0.011225773	0.000619077	0.000798027	0.000342607	0.330649972	7.27567E-06	0.001283914	0.000833865	0.002263454	0.000658951
2058 May	0.001345093	0.13122344	1.06959E-05	6.721299171	6.866100311	0.080834888	0.002496695	8.702069283	0.003858167	0.011269132	0.000650943	0.000800103	0.000343647	0.335325807	7.08161E-06	0.001287691	0.000865352	0.002260751	0.000658364
2058 Jun	0.001206999	0.135719314	1.01133E-05	5.248970985	5.736357689	0.075569391	0.001806254	7.570788383	0.003156257	0.010602212	0.000619203	0.000638055	0.000270455	0.273444831	5.46367E-06	0.000953256	0.000863319	0.002106407	0.000478062
2058 Jul	0.001200584	0.133159623	1.02467E-05	5.300370693	5.719184399	0.074135229	0.00190076	7.520202637	0.003160878	0.010725738	0.00060117	0.000645587	0.000274189	0.272780478	5.81441E-06	0.00095975	0.000851692	0.002145788	0.000484704
2058 Aug	0.001294854	0.133787766	1.04259E-05	6.201898098	6.479399204	0.079805233	0.002174418	8.227703094	0.003630642	0.010900224	0.000652754	0.000748803	0.000316384	0.315108031	6.23316E-06	0.001178144	0.00087809	0.002211016	0.000596448
2058 Sep	0.001326549	0.132145673	1.04152E-05	6.548502922	6.752400398	0.08107271	0.002300163	8.470334053	0.003799843	0.010917	0.000663207	0.000784424	0.000332396	0.330711871	6.42408E-06	0.001263853	0.000873004	0.002207621	0.000640777
2058 Oct	0.001338728	0.130945742	1.03956E-05	6.702297688	6.86589241	0.081415832	0.002405952	8.573888779	0.003857588	0.010971809	0.000662639	0.000796386	0.000340451	0.336692959	6.6842E-06	0.001296395	0.000865107	0.002196969	0.000659509
2058 Nov	0.001342535	0.130888671	1.04061E-05	6.755580425	6.907534122	0.08177869	0.002461894	8.61665535	0.003872297	0.011022354	0.000663257	0.000800051	0.000343902	0.338489115	6.8587E-06	0.001303965	0.000864951	0.002198924	0.000665005
2058 Dec	0.00134306	0.130889744	1.04072E-05	6.7617936 13	6.9126091	0.081822343	0.002466173	8.621578217	0.003874747	0.011025847	0.000663492	0.000800628	0.000344253	0.338738799	6.87069E-06	0.001305141	0.000865073	0.002199308	0.000665706
2059 Jan	0.001343213	0.130890846	1.04074E-05	6.76551342	6.915539742	0.081858702	0.002471198	8.624567032	0.003875386	0.011029738	0.000663539	0.00080084	0.000344528	0.338846296	6.88739E-06	0.00130549	0.000865126	0.002199454	0.000666054
2059 Feb	0.001343271	0.130900353	1.04078E-05	6.767999649	6.917534351	0.081891343	0.002475814	8.626800537	0.003875417	0.01103379	0.000663544	0.000800916	0.000344746	0.338898808	6.90357E-06	0.001305523	0.000865198	0.00219961	0.000666238
2059 Mar	0.001343304	0.130904645	1.0408E-05	6.770124912	6.919181347	0.081917435	0.00247981	8.628611565	0.003875423	0.011037168	0.000663539	0.000800981	0.000344934	0.338941306	6.91755E-06	0.001305553	0.000865239	0.002199733	0.000666398
2059 Apr	0.001345117	0.131080151	1.04221E-05	6.781881809	6.930455685	0.082057886	0.002488275	8.642320633	0.003880582	0.011056103	0.000664408	0.000802134	0.000345637	0.339445561	6.94481E-06	0.001307337	0.000866421	0.002202816	0.000667497
2059 May	0.001353305	0.134545207	1.04673E-05	6.728273392	6.936788082	0.083530605	0.002451701	8.687335014	0.003863541	0.011130817	0.000678294	0.000795043	0.00034341	0.338667721	6.86834E-06	0.001289672	0.000884173	0.002206116	0.000657519
2059 Jun	0.001300103	0.142970368	1.03443E-05	5.900586605	6.37951088	0.083313972	0.002089224	8.233932495	0.00347401	0.011040331	0.000681966	0.000700406	0.000304171	0.305494577	6.11785E-06	0.001085233	0.000912692	0.002149819	0.000548451
2059 Jul	0.001332012	0.146017909	1.06447E-05	6.109248638	6.572125435	0.085621551	0.002257167	8.470359802	0.003561859	0.011427442	0.000694632	0.00072111	0.000317051	0.313908011	6.68161E-06	0.001114452	0.00093316	0.002216013	0.000567418
2059 Aug	0.001409194	0.148385704	1.08981E-05	6.785903454	7.159975052	0.090675317	0.002506176	9.05039978	0.003906826	0.011725632	0.000736844	0.000797136	0.000350179	0.345379621	7.19565E-06	0.00126799	0.000963587	0.002289252	0.000647711

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Sep	0.001453223	0.147688597	1.09489E-05	7.234064579	7.527031422	0.093013182	0.00265949	9.386781693	0.004132551	0.011797315	0.000757015	0.00084624	0.000371189	0.365942299	7.44461E-06	0.001376621	0.000969154	0.002308577	0.000703869
2059 Oct	0.001412673	0.141130507	1.07084E-05	6.869002342	7.150336266	0.086644754	0.002550215	9.008984566	0.003930042	0.011615632	0.000700518	0.000793593	0.000350881	0.347489923	7.11008E-06	0.001305309	0.000901297	0.002192873	0.000665374
2059 Nov	0.001410652	0.140344247	1.06936E-05	6.846559048	7.122190952	0.085954234	0.002554486	8.983490944	0.003913737	0.011621558	0.000693631	0.000788762	0.000349625	0.346095502	7.11869E-06	0.001300569	0.00089258	0.0021799	0.000663049
2059 Dec	0.001411395	0.140333056	1.06945E-05	6.85806942	7.131326199	0.086039826	0.002564494	8.992207527	0.003917537	0.01162859	0.000693976	0.000789734	0.000350332	0.346517444	7.14891E-06	0.001302472	0.000892747	0.002180492	0.000664306
2060 Jan	0.001411495	0.140342399	1.06953E-05	6.861684799	7.134152412	0.086082399	0.002571012	8.995372772	0.003917657	0.011634501	0.000693972	0.000789857	0.000350644	0.3465949	7.17164E-06	0.00130256	0.000892818	0.002180749	0.000664583
2060 Feb	0.001411612	0.140358433	1.06961E-05	6.8641572	7.136229515	0.086115658	0.002575171	8.997757912	0.003917852	0.011638596	0.000694009	0.000789957	0.00035085	0.346656293	7.18615E-06	0.00130264	0.00089293	0.002180984	0.000664771
2060 Mar	0.001411951	0.140392855	1.06987E-05	6.868122101	7.139680862	0.086164258	0.002580384	9.001790047	0.003918708	0.011645016	0.000694151	0.000790205	0.000351145	0.346780568	7.204E-06	0.001302959	0.000893167	0.002181602	0.000665103
2060 Apr	0.001414635	0.140656561	1.07191E-05	6.884664536	7.155812263	0.086366698	0.00259198	9.02159977	0.0039261	0.011672357	0.000695436	0.000791812	0.000352125	0.347503483	7.24108E-06	0.001305486	0.000894879	0.002185903	0.000666638
2060 May	0.001414302	0.146758541	1.06908E-05	6.669042587	7.073649406	0.088579424	0.002460932	9.001683235	0.003838876	0.011678224	0.000718713	0.000766464	0.000342058	0.341184229	6.92933E-06	0.001248832	0.000925212	0.002170055	0.000635101
2060 Jun	0.001295549	0.149099588	1.03533E-05	5.482344627	6.129691124	0.083409928	0.001953219	8.089172363	0.003264615	0.011228441	0.000681561	0.000639486	0.000284408	0.2892887	5.85598E-06	0.000974015	0.00091942	0.002086108	0.000489466
2060 Jul	0.001323564	0.150582761	1.06337E-05	5.72414732	6.325798512	0.085147753	0.002138439	8.303919792	0.003365285	0.011576548	0.000688957	0.000665246	0.000298728	0.298451453	6.45599E-06	0.001013541	0.000933554	0.002154861	0.000514202
2060 Aug	0.001413604	0.14939189	1.07433E-05	6.639747143	7.079740047	0.090089187	0.002392001	8.986109734	0.003846089	0.0116344	0.000735794	0.000770169	0.00034061	0.34143433	6.75799E-06	0.001242354	0.000949067	0.002202518	0.000630579
2060 Sep	0.001423796	0.142807275	1.05709E-05	6.928427219	7.248971462	0.088709772	0.002475261	9.090254784	0.003983445	0.011383042	0.000724637	0.000797063	0.000352332	0.353467166	6.75527E-06	0.001326933	0.000908593	0.002148838	0.000673459
2060 Oct	0.001427579	0.140827075	1.05224E-05	7.000904083	7.285999775	0.088015258	0.002527309	9.114854813	0.004007376	0.011380253	0.00071681	0.0008011	0.000355547	0.35589537	6.85411E-06	0.001345736	0.000893691	0.002127869	0.000683866
2060 Nov	0.001425266	0.140081808	1.05021E-05	6.984440804	7.263427734	0.087443724	0.002529505	9.091522217	0.003995226	0.011373791	0.000711303	0.000797697	0.000354575	0.354834557	6.85487E-06	0.001342776	0.000886578	0.002117087	0.000682415
2060 Dec	0.001426904	0.140078604	1.05045E-05	7.003615856	7.279175282	0.087574504	0.002540155	9.106249809	0.004003574	0.011380861	0.00071217	0.000799644	0.000355596	0.355647147	6.88213E-06	0.001346773	0.000887036	0.002118278	0.000684674
2061 Jan	0.001427263	0.140078411	1.05047E-05	7.009319305	7.283779621	0.08762192	0.0025454	9.110699654	0.004005359	0.011384534	0.000712339	0.000800106	0.000355954	0.355853885	6.89824E-06	0.001347664	0.00088715	0.002118542	0.000685284
2061 Feb	0.001427355	0.140087321	1.0505E-05	7.012453079	7.286293983	0.087660089	0.002550595	9.113412857	0.004005593	0.011388883	0.000712363	0.000800237	0.000356212	0.355929941	6.91617E-06	0.001347801	0.000887237	0.00211872	0.000685539
2061 Mar	0.001427559	0.140105709	1.05065E-05	7.017220974	7.290126324	0.087715842	0.002558255	9.117676735	0.004006081	0.011396192	0.000712427	0.000800459	0.000356601	0.356049269	6.94269E-06	0.001348034	0.000887389	0.002119181	0.000685925
2061 Apr	0.001430163	0.140360311	1.05258E-05	7.03271389	7.3054142	0.087906726	0.002568192	9.136433601	0.004013314	0.011421152	0.000713697	0.000801994	0.000357495	0.356746674	6.97382E-06	0.001350514	0.000889026	0.002123173	0.000687381
2061 May	0.001431245	0.14723596	1.05087E-05	6.808479786	7.226404667	0.090479344	0.002433472	9.127437592	0.003923079	0.011449171	0.000740203	0.000775979	0.000347203	0.350292087	6.66372E-06	0.001290315	0.00092442	0.0021114	0.000654019
2061 Jun	0.001297891	0.15052107	1.00604E-05	5.486756325	6.189660072	0.085403323	0.001871219	8.12711525	0.00328004	0.010916102	0.000705169	0.000634523	0.000283395	0.292801887	5.48028E-06	0.000982767	0.000924534	0.002010101	0.00049141
2061 Jul	0.001342884	0.15145579	1.03208E-05	5.905618191	6.530786514	0.087954357	0.002077094	8.463010788	0.003480816	0.011213851	0.000722625	0.000681852	0.000305031	0.310713142	6.02173E-06	0.001071485	0.000940199	0.002080404	0.000540143
2061 Aug	0.001453656	0.153220594	1.05672E-05	6.938743114	7.413793564	0.094977349	0.002401639	9.296668053	0.00401831	0.011477771	0.000785319	0.000800458	0.000353897	0.359321505	6.55961E-06	0.001317963	0.000978393	0.002167647	0.000667163
2061 Sep	0.001490036	0.152687371	1.06198E-05	7.324504852	7.728530884	0.09710253	0.002553081	9.587172508	0.004206702	0.011557707	0.000802347	0.000842155	0.000372595	0.37665543	6.85546E-06	0.001408305	0.000983921	0.002187748	0.00071492
2061 Oct	0.001475595	0.147788852	1.04374E-05	7.303739548	7.654792309	0.094414338	0.002568372	9.477379799	0.004178001	0.011408771	0.000777839	0.00083447	0.000370396	0.374089509	6.82802E-06	0.001412474	0.000947655	0.002130642	0.000717366
2061 Nov	0.001470925	0.14641346	1.0394E-05	7.288729191	7.625465393	0.093569264	0.002580995	9.442035675	0.004161948	0.011386793	0.000769355	0.000830432	0.000369572	0.372745961	6.85749E-06	0.001409926	0.000936356	0.002113984	0.000716528
2061 Dec	0.001472036	0.146407217	1.03956E-05	7.301993847	7.636282444	0.093658	0.002588745	9.452174187	0.004167595	0.011392022	0.000769914	0.000831755	0.000370287	0.373300135	6.87775E-06	0.001412647	0.000936633	0.002114775	0.000718086
2062 Jan	0.001472617	0.146407738	1.03962E-05	7.309245586	7.642260075	0.093711726	0.002593309	9.45779705	0.004170562	0.011394921	0.000770218	0.000832458	0.000370686	0.373599678	6.89011E-06	0.001414077	0.000936814	0.002115161	0.000718924
2062 Feb	0.001472828	0.146422192	1.0397E-05	7.31322813	7.645546913	0.093756534	0.002598667	9.461303711	0.004171288	0.011399706	0.000770307	0.000832692	0.000370982	0.37371853	6.90815E-06	0.001414423	0.000936954	0.002115464	0.000719281
2062 Mar	0.001473641	0.146500781	1.04027E-05	7.320710182	7.652314186	0.093847349	0.002606729	9.469219208	0.004173527	0.011411122	0.000770694	0.000833253	0.000371495	0.373988032	6.93512E-06	0.001415249	0.00093749	0.002116772	0.000719945
2062 Apr	0.001476482	0.146782055	1.04228E-05	7.337564468	7.66908741	0.09405949	0.002617125	9.489636421	0.004181497	0.011437395	0.000772149	0.000834936	0.000372459	0.374757528	6.96732E-06	0.001417999	0.000939314	0.002120987	0.000721541
2062 May	0.001484554	0.147568718	1.04792E-05	7.381497383	7.713744164	0.094608255	0.002637659	9.544118881	0.004204619	0.011503869	0.000776347	0.000839674	0.000374807	0.376891911	7.02659E-06	0.00142599	0.000944419	0.002132644	0.000725831
2062 Jun	0.00128267	0.132001728	1.02291E-05	5.968008041	6.279884815	0.077072009	0.002100971	7.97884798	0.003496482	0.010832551	0.000627445	0.000705333	0.000302982	0.305082798	5.95858E-06	0.001128479	0.000839601	0.002097387	0.00056983
2062 Jul	0.001171016	0.122704208	1.01769E-05	5.228344917	5.497627258	0.067079678	0.001889561	7.122411251	0.00310562	0.010574645	0.00053792	0.000633989	0.000266903	0.265412331	5.68516E-06	0.00096525	0.000776355	0.002096645	0.000487359
2062 Aug	0.001244041	0.120990537	1.02322E-05	5.990884304	6.117431164	0.070895053	0.002121615	7.684432507	0.003496562	0.010592726	0.000573358	0.000717894	0.000302171	0.300731301	6.00012E-06	0.001154352	0.00077967	0.002117672	0.000584692
2062 Sep	0.001283743	0.118660271	1.01806E-05	6.435563087	6.46916151	0.072513327	0.002262577	7.994189739	0.00371867	0.01055798	0.000588192	0.000764347	0.00032224	0.32112816	6.15999E-06	0.001267583	0.000772582	0.002106451	0.000642832
2062 Oct	0.001249616	0.11289008	9.86448E-06	6.15715313	6.183400154	0.067609012	0.002198431	7.706859112	0.003551868	0.01034943	0.000543886	0.000719744	0.000306935	0.306946963	5.93341E-06	0.001213008	0.00071352	0.001982813	0.000614033
2062 Nov	0.001251564	0.112807252	9.87453E-06	6.173823357	6.195194721	0.06762781	0.00222951	7.724243164	0.003552293	0.010391098	0.000542279	0.000719475	0.000308215	0.307288587	6.03385E-06	0.001213838	0.000711412	0.001980738	0.000615376
2062 Dec	0.001252975	0.112803347	9.87677E-06	6.195155621	6.212320805	0.067795925	0.002248117	7.740751266	0.003559351	0.010404703	0.000542996	0.000721287	0.000309533	0.308073968	6.09042E-06	0.001217316	0.000711843	0.001982009	0.000617691
2063 Jan	0.001253472	0.112807944	9.87743E-06	6.202548504	6.218351364	0.067858629	0.002254688	7.746629238	0.003561756	0.01040954	0.000543252	0.000721902	0.000309992	0.308346957	6.11051E-06	0.00121849	0.000712025	0.001982422	0.000618483
2063 Feb	0.001253651	0.112821423	9.87824E-06	6.206951618	6.221904278	0.067909405	0.002261394	7.750460625	0.003562299	0.010415432	0.000543318	0.000722122	0.000310341	0.308463722	6.13347E-06	0.001218766	0.000712157	0.001982745	0.000618857
2063 Mar	0.001253833	0.112837866	9.8797E-06	6.211680412	6.225664616	0.06796439	0.002269222	7.754646778	0.003562704	0.010422846	0.000543365	0.000722331	0.000310733	0.308577269	6.16065E-06	0.001218968	0.000712295	0.0019832	0.000619236
2063 Apr	0.001255166	0.11295633	9.89025E-06	6.221794605	6.234879494	0.068076842	0.002278465	7.765656471	0.003566406	0.01043929	0.000543912	0.000723199	0.00031138	0.308968455	6.19112E-06	0.001220298	0.000713076	0.001985468	0.000620162
2063 May	0.001260662	0.117557712	9.93032E-06	6.117272854	6.21550703	0.069965325	0.002229401	7.799693108	0.003522849	0.010525119	0.000561168	0.000709936	0.000307247	0.30619961	6.11493E-06	0.001187191	0.000736859	0.001987892	0.00060248
2063 Jun	0.001092795	0.123175807	9.54863E-06	4.41903162	4.886439323	0.063817583	0.001523033	6.546634674	0.002701901	0.009997839	0.000517418	0.000532527	0.000226228	0.231902689	4.72094E-06	0.00078552	0.000749961	0.001911032	0.000390545
2063 Jul	0.001072394	0.117832124	9.61974E-06	4.487842083	4.841588497	0.061301522	0.001635927	6.429066658	0.002707387	0.010017619	0.000489517	0.000545604	0.000230856	0.230569854	5.1274E-06	0.000799866	0.00072864	0.001955407	0.000402507
2063 Aug	0.001173729	0.119002767	9.85431E-06	5.444022179	5.651930809	0.067552365	0.001952639	7.197243214	0.003199414	0.010268209	0.000544142	0.000653685	0.000276379	0.275150329	5.68141E-06	0.001026429	0.000759045	0.002032101	0.000520165
2063 Sep	0.001199821	0.11813885	9.90545E-06	5.720705032	5.872304916	0.068810359	0.002085031	7.41385603	0.003326946	0.010340261	0.000552069	0.000679958	0.000290234	0.287163198	5.97064E-06	0.001088422	0.000755313	0.002036636	0.000553823
2063 Oct	0.00120273	0.116638079	9.85483E-06	5.762616158	5.891750336	0.06819123	0.002135727	7.433624268	0.003332848	0.01035503	0.000544269	0.000679056	0.000292283	0.288279772	6.08412E-06	0.001097734	0.000740938	0.002010428	0.000559621
2063 Nov	0.001205756	0.116540976	9.85875E-06	5.790547848	5.913888454	0.068283685	0.00215197	7.456068516	0.003344734	0.010370522	0.000544597	0.000681394	0.000293683	0.289450675	6.12149E-06	0.001103818	0.000740145	0.002009782	0.000562987
2063 Dec	0.001207035	0.116562828	9.86199E-06	5.802232265	5.923870564	0.068362206	0.002156041	7.465654373	0.003350705	0.010374523	0.000545267	0.000682705	0.000294242	0.289994359	6.12904E-06	0.00110655	0.000740563	0.002010793	0.000564411
2064 Jan	0.001207753	0.116565853	9.86263E-06	5.810608387	5.930856705	0.068423614	0.002160586	7.47219038	0.003354372	0.010377238	0.000545668	0.000683555	0.000294686	0.290354133	6.14051E-06	0.001108302	0.000740796	0.002011244	0.000565401
2064 Feb	0.001208056	0.116583265	9.8637E-06	5.814833641	5.934427738	0.068468012	0.00216513	7.475938797	0.003355527	0.010381485	0.000545815	0.000683865	0.00029497	0.290500581	6.15527E-06	0.001108827	0.00074097	0.002011606	0.000565812
2064 Mar	0.001208857	0.116659157	9.86996E-06	5.820851803	5.939992428	0.068538576	0.002170585	7.482587337	0.003357746	0.010391254	0.000546164	0.000684385	0.000295355	0.290736139	6.1733E-06	0.001109611	0.000741477	0.002012976	0.00056636
2064 Apr	0.001210251	0.116791934	9.88133E-06	5.830538273	5.949043274	0.068651386	0.002178823	7.493551254	0.00336156	0.01040769	0.000546768	0.000685261	0.000295963	0.291125834	6.20046E-06	0.001110928	0.000742348	0.002015419	0.000567242
2064 May	0.001224115	0.123819962	9.89806E-06	5.720524788	5.967340946	0.071950465	0.002092947	7.585439205	0.003326952	0.010485328	0.000578812	0.000671006	0.000291326	0.289851367	5.9948E-06	0.001076311	0.000780159	0.00201082	0.000547395
2064 Jun	0.001148719	0.137543619	9.65432E-06	4.568105698	5.226687431	0.07334251	0.001569279	7.009181976	0.002790336	0.010291675	0.000600735	0.00054269	0.000237448	0.244728297	4.91108E-06	0.000789404	0.000839741	0.001938802	0.000393898
2064 Jul	0.001189881	0.137500554	9.84016E-06	4.982358456	5.555463791	0.075487874	0.001760985	7.319632053	0.002988697	0.010500832	0.000616041	0.000588966	0.000258372	0.262444854	5.38167E-06	0.000881081	0.000848007	0.0019904	0.000443926
2064 Aug	0.00127827	0.13624002	9.93631E-06	5.892044067	6.300199032	0.080347769	0.002031677	7.98978281	0.003459111	0.010566206	0.000661613	0.000692359	0.000300447	0.304684967	5.75712E-06	0.001106386	0.000861184	0.002034342	0.00056005
2064 Sep	0.001303537	0.132540762	9.88297E-06	6.232470512	6.543856621	0.080551669	0.002158733	8.19707489	0.003621137	0.01050706	0.00066237	0.000725494	0.000315782	0.319397062	5.92689E-06	0.001194116	0.000840776	0.002013043	0.000605805
2064 Oct	0.001322235	0.131838471	9.90551E-06	6.442111969	6.707940102	0.081466585	0.002286578	8.353952408	0.003708158	0.010603078	0.000666487	0.000744634	0.000326766	0.327956885	6.24694E-06	0.00123827	0.000838488	0.002016459	0.000630954
2064 Nov	0.001328657	0.131992802	9.92408E-06	6.508630753	6.764247894	0.081980757	0.002323763	8.409081459	0.003737594	0.010638207	0.000669966	0.000751434	0.000330347	0.330811113	6.34529E-06	0.001251728	0.000840993	0.002022619	0.000638611
2064 Dec	0.001329446	0.132003278	9.92595E-06	6.51660347	6.770954132	0.082036287	0.002327566	8.41552639	0.003741316	0.010641517	0.000670374	0.000752275	0.000330756	0.331162989	6.35435E-06	0.001253456	0.000841243	0.002023251	0.000639558
2065 Jan	0.001329923	0.13200222	9.92638E-06	6.523024082	6.776196003	0.08208479	0.002332086	8.42046833	0.003743783	0.010644429	0.000670629	0.000752875	0.000331123	0.33141914	6.36716E-06	0.001254656	0.000841392	0.002023593	0.00064029
2065 Feb	0.001330194	0.132016346	9.92746E-06	6.527225971	6.77967453	0.082128033	0.002336958	8.424120903	0.003744815	0.010648932	0.000670756	0.000753168	0.000331416	0.331557125	6.38319E-06	0.001255135	0.000841543	0.00202396	0.000640692
2065 Mar	0.001331133	0.132106394	9.93451E-06	6.53553915	6.787181854	0.08222723	0.002345744	8.43295002	0.003747391	0.010662024	0.000671191	0.000753809	0.000331982	0.331858486	6.41264E-06	0.001256071	0.000842153	0.002025555	0.00064143
2065 Apr	0.001333816	0.132369623	9.95461E-06	6.551846027	6.803155899	0.082427442	0.002356503	8.452375412	0.00375489	0.010688245	0.000672511	0.000755422	0.000332932	0.332584143	6.44665E-06	0.001258646	0.000843861	0.002029785	0.000642966
2065 May	0.001347941	0.137402624	1.00024E-05	6.510200024	6.844432354	0.08490888	0.002311472	8.545994759	0.003749107	0.010779175	0.000696073	0.000749834	0.000331423	0.33322385	6.34136E-06	0.001242178	0.000872136	0.002035798	0.000633184
2065 Jun	0.001215925	0.1371319	9.79233E-06	5.256639004	5.790287971	0.077260308	0.001817648	7.527644157	0.003135243	0.010431608	0.000634169	0.00061945	0.00027057	0.275960803	5.38124E-06	0.000952237	0.000852132	0.001985349	0.000480015
2065 Jul	0.001248474	0.136977091	1.00644E-05	5.58544445	6.036911011	0.078522988	0.001979536	7.759961128	0.003295538	0.010698837	0.000641035	0.000659709	0.000287311	0.289338022	5.8218E-06	0.001023555	0.000861977	0.002061802	0.00051932
2065 Aug	0.001340783	0.138178274	1.02849E-05	6.448133945	6.769807339	0.084202148	0.00226064	8.456173897	0.00374147	0.010930409	0.000690924	0.000757576	0.000328282	0.329675853	6.30603E-06	0.001228319	0.000890445	0.002133041	0.000625706
2065 Sep	0.001361019	0.133907005	1.01604E-05	6.740290165	6.970543385	0.083778076	0.002340779	8.608962059	0.003885877	0.010801222	0.000688657	0.000786526	0.000340211	0.342601538	6.30945E-06	0.001311057	0.000866175	0.002096476	0.000667521
2065 Oct	0.001358361	0.127527565	9.93013E-06	6.817822933	6.967782497	0.080683596	0.002384557	8.567651749	0.003905091	0.010643616	0.000660903	0.000785868	0.000341565	0.344560921	6.26177E-06	0.001344094	0.000816973	0.002013374	0.000684091
2065 Nov	0.001360164	0.126762226	9.9206E-06	6.846927166	6.981993675	0.080398075	0.002425439	8.583270073	0.003908662	0.010674899	0.0006563	0.000785978	0.000343294	0.345216155	6.37563E-06	0.001348881	0.000809823	0.002004069	0.0006876
2065 Dec	0.001360746	0.126756817	9.92203E-06	6.85860014	6.991090298	0.080497347	0.002439258	8.592380524	0.003911342	0.010685879	0.000656514	0.000786773	0.000344109	0.345580757	6.42062E-06	0.001350274	0.000809971	0.002004748	0.00068876
2066 Jan	0.001361545	0.126757845	9.92297E-06	6.869991302	7.000355244	0.08058773	0.002448322	8.601237297	0.003915387	0.01069216	0.000656935	0.000787783	0.000344789	0.346017361	6.44745E-06	0.001352248	0.000810238	0.002005391	0.000690024
2066 Feb	0.001361953	0.126792192	9.92534E-06	6.875284195	7.00489378	0.080648817	0.002454828	8.60628891	0.003916621	0.010699271	0.000657114	0.000788132	0.000345168	0.346189231	6.4693E-06	0.001352763	0.000810503	0.002006022	0.000690498
2066 Mar	0.001363402	0.126927465	9.93599E-06	6.886205196	7.015034676	0.08077722	0.002464564	8.618340492	0.003920667	0.010716325	0.000657777	0.000789066	0.000345864	0.346621275	6.50118E-06	0.001354218	0.000811398	0.002008324	0.000691502
2066 Apr	0.001365286	0.127100587	9.94987E-06	6.899914742	7.027814865	0.080936208	0.002476138	8.633543968	0.003925983	0.010737611	0.000658644	0.000790277	0.00034672	0.347175092	6.53878E-06	0.001356129	0.000812544	0.002011307	0.000692778
2066 May	0.001372722	0.128401637	1.00047E-05	6.925298691	7.064526558	0.081695989	0.002495406	8.686401367	0.003938385	0.010814274	0.000664363	0.000792374	0.000348466	0.348579228	6.6104E-06	0.001357838	0.000820122	0.002021962	0.000694064
2066 Jun	0.00116958	0.122132652	9.76592E-06	5.236905098	5.540427685	0.068041734	0.001869212	7.141376972	0.003097541	0.010273834	0.000549138	0.000623193	0.000266428	0.267752796	5.47516E-06	0.000973365	0.000764589	0.001983527	0.000492746
2066 Jul	0.001193387	0.121374831	1.00448E-05	5.492650032	5.714169979	0.068395637	0.001988649	7.29497242	0.00322681	0.010504442	0.000549412	0.000657606	0.000279153	0.277651876	5.81219E-06	0.001030888	0.000769714	0.002061907	0.000524265

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Aug	0.001271662	0.122873969	1.02696E-05	6.208509445	6.324436188	0.073280223	0.002248415	7.885119915	0.003590134	0.010762001	0.000590566	0.000737524	0.000313896	0.310728848	6.32677E-06	0.001196028	0.000794678	0.002127489	0.000611249
2066 Sep	0.001302489	0.122092955	1.02926E-05	6.534329891	6.58829689	0.07490012	0.002386884	8.131765366	0.003744645	0.010829547	0.000602725	0.0007707	0.000329731	0.325215489	6.6005E-06	0.001271903	0.000795071	0.002133834	0.000651875
2066 Oct	0.001315156	0.120019987	1.02185E-05	6.70777607	6.712068081	0.074945994	0.002492027	8.240303993	0.00381183	0.010837016	0.000600212	0.000783706	0.000338191	0.332133353	6.81732E-06	0.001312539	0.00078088	0.002107361	0.000674569
2066 Nov	0.001319891	0.11942675	1.02015E-05	6.782966614	6.76723671	0.075192213	0.002557524	8.29196167	0.003835291	0.010869244	0.000599751	0.000788867	0.00034253	0.334825367	6.99781E-06	0.001326463	0.00077707	0.002101289	0.00068343
2066 Dec	0.001321101	0.119451337	1.02049E-05	6.793898582	6.776595592	0.07526727	0.00256164	8.301063538	0.003840796	0.010873666	0.00060037	0.000790077	0.000343062	0.335329592	7.00612E-06	0.001328968	0.000777471	0.002102289	0.000684752
2067 Jan	0.001321617	0.119461067	1.02058E-05	6.799800396	6.781569004	0.07531473	0.002565413	8.305896759	0.003843217	0.010876608	0.000600641	0.000790643	0.000343389	0.335575312	7.0165E-06	0.001330104	0.000777662	0.00210267	0.000685424
2067 Feb	0.001321951	0.11949084	1.02079E-05	6.804069996	6.78524828	0.075365007	0.002570737	8.310023308	0.003844194	0.010882538	0.000600783	0.000790921	0.000343697	0.335713118	7.03445E-06	0.001330504	0.000777887	0.002103202	0.000685802
2067 Mar	0.001322651	0.119555861	1.02133E-05	6.810120106	6.790691853	0.075435176	0.002576996	8.316433907	0.003846125	0.01089218	0.000601079	0.000791399	0.000344103	0.335933954	7.05538E-06	0.001331207	0.000778328	0.002104412	0.000686345
2067 Apr	0.001324147	0.119689852	1.02249E-05	6.8212924	6.800940037	0.075560316	0.002586686	8.328586578	0.003850384	0.010909848	0.000601727	0.00079239	0.000344807	0.336375982	7.0871E-06	0.001332742	0.000779231	0.002106951	0.000687384
2067 May	0.001330072	0.125006527	1.02793E-05	6.686323643	6.766540527	0.077585086	0.002522492	8.359725952	0.003794212	0.011013879	0.000620408	0.000775413	0.000339231	0.33256495	6.97939E-06	0.001291529	0.000805689	0.00210921	0.000665109
2067 Jun	0.001234193	0.131639659	1.00728E-05	5.570784092	5.940040588	0.075007632	0.00207308	7.637506008	0.003253811	0.010782878	0.000603178	0.000653273	0.000286803	0.284913838	6.12041E-06	0.001019688	0.000824537	0.002049474	0.00052121
2067 Jul	0.001290149	0.133630514	1.03644E-05	6.047637463	6.345754623	0.078402057	0.002285358	8.04775238	0.003489921	0.011116578	0.000628771	0.000706989	0.000311054	0.306165338	6.65108E-06	0.001121917	0.000847068	0.002125251	0.000576699
2067 Aug	0.001354682	0.133794859	1.05107E-05	6.663002491	6.855553627	0.08198829	0.002503057	8.528042793	0.003800519	0.011270163	0.000659994	0.000774823	0.000340533	0.334303468	7.05772E-06	0.001267336	0.000857978	0.002165243	0.000653276
2067 Sep	0.001384484	0.132998079	1.05469E-05	6.980770111	7.11139822	0.083538808	0.002637648	8.767894745	0.003951948	0.011337735	0.000671518	0.000807454	0.000356011	0.348389477	7.32708E-06	0.0013412	0.000858273	0.002174504	0.000692887
2067 Oct	0.001383677	0.129372805	1.0398E-05	7.048474312	7.130714893	0.082077973	0.002686164	8.763853073	0.003968821	0.011248881	0.000657357	0.000808585	0.000358373	0.350394934	7.37096E-06	0.00136333	0.000831	0.002124644	0.000704847
2067 Nov	0.001386606	0.128689721	1.03854E-05	7.09698534	7.162247658	0.082030453	0.002738937	8.794926643	0.00398029	0.011281893	0.00065451	0.000810757	0.000361249	0.351885408	7.519E-06	0.001371709	0.000825364	0.002116852	0.000710555
2067 Dec	0.001387907	0.128718406	1.03894E-05	7.109540939	7.172898769	0.082121529	0.002745351	8.805451393	0.003986065	0.011288596	0.00065151	0.000812057	0.000361904	0.352435082	7.53508E-06	0.001374344	0.000825799	0.002117997	0.000712023
2068 Jan	0.001388652	0.128729299	1.03906E-05	7.11794281	7.179961205	0.082186393	0.002750278	8.812229156	0.003989653	0.011292266	0.00065555	0.00081289	0.000362359	0.352791339	7.54814E-06	0.001376031	0.000826066	0.002118547	0.000712999
2068 Feb	0.001388962	0.128757194	1.03923E-05	7.121425629	7.183052063	0.082228236	0.002754137	8.815678596	0.003990609	0.011296695	0.00065564	0.000813138	0.000362597	0.352914006	7.56092E-06	0.001376419	0.000826275	0.002118968	0.000713318
2068 Mar	0.001390269	0.128880739	1.0402E-05	7.130334854	7.19149065	0.082333565	0.00276119	8.825808525	0.003994255	0.011310875	0.00065629	0.000813954	0.000363141	0.353284508	7.58373E-06	0.001377704	0.000827083	0.002121049	0.000714149
2068 Apr	0.001395434	0.129358783	1.04407E-05	7.159858704	7.2204566	0.082674533	0.002777399	8.861006737	0.004009006	0.011357606	0.000658698	0.000817061	0.000364765	0.354650944	7.63276E-06	0.001382844	0.000830178	0.0021297	0.000717031
2068 May	0.001398223	0.134282693	1.04631E-05	7.019152164	7.177521229	0.084577031	0.002710373	8.876309395	0.003948639	0.01142687	0.000676486	0.000799605	0.000358879	0.350494385	7.51307E-06	0.001341176	0.000855091	0.002126626	0.000694574
2068 Jun	0.001225068	0.139497682	9.88296E-06	5.239776134	5.80147171	0.078081638	0.001901246	7.58291626	0.003102898	0.010682892	0.000635122	0.000610755	0.000271909	0.274481982	5.71938E-06	0.000932211	0.000859912	0.001991272	0.0004742
2068 Jul	0.001275861	0.137869507	1.00546E-05	5.7974440529	6.229763985	0.080209732	0.002090651	7.955553055	0.003388182	0.010810055	0.000653845	0.00067751	0.000298055	0.299051523	6.06971E-06	0.001068693	0.000865584	0.002051051	0.000545961
2068 Aug	0.001356257	0.140070572	1.0319E-05	6.506023884	6.841179848	0.085331187	0.002356118	8.557967186	0.003747412	0.011118586	0.000696316	0.000756341	0.000332776	0.331839591	6.62182E-06	0.001229402	0.000894257	0.002124056	0.000631102
2068 Sep	0.001382168	0.13861382	1.03322E-05	6.795082569	7.065195084	0.086308092	0.002483251	8.764004707	0.003882338	0.011169038	0.000702723	0.000785017	0.000346649	0.344388545	6.86839E-06	0.001297873	0.000888716	0.002124354	0.000667875
2068 Oct	0.001396965	0.1378299	1.03416E-05	6.982917309	7.209586143	0.087143801	0.002615812	8.901023865	0.003953843	0.01125897	0.000705401	0.000801208	0.000356964	0.351703465	7.22306E-06	0.001335149	0.000885698	0.002125581	0.000690143
2068 Nov	0.001401447	0.137936994	1.03587E-05	7.032692432	7.25080204	0.08753369	0.00265603	8.943439484	0.003971956	0.011300797	0.000707206	0.000805525	0.000359938	0.353621483	7.3437E-06	0.001343516	0.000887039	0.002129988	0.000695508
2068 Dec	0.001402203	0.137963712	1.0362E-05	7.041938782	7.258456707	0.087614886	0.002664731	8.951410294	0.003974927	0.011309697	0.000707537	0.000806277	0.000360528	0.353957385	7.3711E-06	0.001344874	0.000887339	0.002130904	0.000696459
2069 Jan	0.001402783	0.137966111	1.03627E-05	7.04932785	7.264541149	0.087671272	0.002669725	8.957191467	0.003977846	0.011313103	0.000707846	0.000806977	0.000360945	0.354256809	7.38507E-06	0.001346278	0.00088753	0.002131335	0.000697307
2069 Feb	0.001403108	0.137982443	1.03637E-05	7.052763462	7.267539978	0.087704517	0.002672244	8.960267067	0.003979178	0.011315635	0.000708018	0.000807292	0.000361146	0.354397178	7.39254E-06	0.001346869	0.000887699	0.002131656	0.000697676
2069 Mar	0.001403234	0.137991995	1.03645E-05	7.055393219	7.269674301	0.087734349	0.002676123	8.962593079	0.003979554	0.011319255	0.000708066	0.000807432	0.000361351	0.354469121	7.4058E-06	0.001347048	0.000887785	0.002131891	0.000697902
2069 Apr	0.001404537	0.138117895	1.03742E-05	7.064849854	7.278558731	0.087848186	0.002684222	8.973182678	0.003983193	0.01133418	0.000708693	0.000808266	0.000361947	0.354850739	7.43232E-06	0.001348334	0.000888622	0.002134006	0.000698773
2069 May	0.001416917	0.139721096	1.04645E-05	7.124195099	7.345502853	0.088886499	0.002720945	9.060076714	0.004012407	0.011452013	0.00071632	0.000814068	0.000365484	0.357764423	7.55306E-06	0.00135666	0.000898464	0.002152391	0.000703714
2069 Jun	0.001233469	0.130250588	1.01927E-05	5.680102825	5.988917828	0.074816279	0.002154558	7.648922443	0.003298235	0.010856823	0.0005988	0.000670922	0.000293252	0.2877855	6.41007E-06	0.001041477	0.000825681	0.002100374	0.000536372
2069 Jul	0.001240113	0.127869025	1.03597E-05	5.829513073	6.058221817	0.073885635	0.002221484	7.681796551	0.00337384	0.010952389	0.000589238	0.00069376	0.000300193	0.292672694	6.59375E-06	0.001079507	0.000819566	0.002153502	0.000557193
2069 Aug	0.001294342	0.128278151	1.05063E-05	6.33273983	6.479871273	0.07695426	0.002402641	8.089304924	0.003628562	0.01110542	0.000615137	0.000748713	0.000324414	0.315800428	6.93822E-06	0.001197036	0.000830418	0.002190214	0.000619203
2069 Sep	0.001308099	0.124891199	1.03742E-05	6.538641453	6.620968342	0.076543011	0.002467632	8.197997093	0.003725349	0.01099411	0.000612069	0.000766758	0.000332831	0.32485351	6.95175E-06	0.001255306	0.000808839	0.002148906	0.000649038
2069 Oct	0.001299289	0.120087348	1.01575E-05	6.517604351	6.556758881	0.073796593	0.002503699	8.121787071	0.003688301	0.010883179	0.000585534	0.000752989	0.000330635	0.322410166	6.96189E-06	0.001257453	0.000765682	0.002064351	0.000650678
2069 Nov	0.001299355	0.119460143	1.01497E-05	6.511887074	6.544434547	0.073306032	0.00253234	8.118272781	0.003674731	0.010920936	0.000579104	0.000748553	0.000330635	0.321556062	7.05014E-06	0.001253838	0.000757262	0.002051004	0.000649646
2069 Dec	0.001300067	0.119469956	1.01516E-05	6.519273281	6.550598145	0.073358171	0.002536695	8.12434864	0.003677916	0.010925063	0.000579432	0.000749278	0.000331034	0.321867853	7.06169E-06	0.001255323	0.00075746	0.00205157	0.000650502
2070 Jan	0.001300185	0.11947649	1.01519E-05	6.521876812	6.552716732	0.073387161	0.002540496	8.126626015	0.00367828	0.010928281	0.000579462	0.000749407	0.000331233	0.321940452	7.07451E-06	0.001255515	0.00075752	0.002051681	0.000650731
2070 Feb	0.001300262	0.119485669	1.01521E-05	6.526108742	6.556040287	0.07343936	0.002548116	8.130238533	0.003678394	0.010934558	0.000579471	0.000749553	0.000331599	0.322031677	7.10105E-06	0.001255619	0.000757615	0.002051902	0.000651059
2070 Mar	0.001300718	0.119528018	1.01557E-05	6.532202721	6.561189651	0.073510408	0.002556471	8.136148453	0.003679571	0.010944241	0.000579642	0.000749918	0.00033206	0.322213203	7.12969E-06	0.001256083	0.000757916	0.002052779	0.000651574
2070 Apr	0.001303398	0.119793311	1.01761E-05	6.548128605	6.576849937	0.073707096	0.002567337	8.155405998	0.003686815	0.010971166	0.000580822	0.000751466	0.000332985	0.322917968	7.16431E-06	0.001258537	0.000759598	0.002056985	0.000653059
2070 May	0.001308694	0.124978237	1.02211E-05	6.415757179	6.543346405	0.075717144	0.002500891	8.18403244	0.003632499	0.011061109	0.000599348	0.000735109	0.000327435	0.319239944	7.04532E-06	0.001218616	0.000785899	0.002058658	0.0006313
2070 Jun	0.001247196	0.136658713	1.00385E-05	5.468571186	5.939980507	0.077138782	0.002074527	7.724272251	0.003191341	0.010912982	0.000619374	0.000629467	0.000283496	0.282226712	6.17884E-06	0.00098083	0.000837531	0.002003666	0.000503449
2070 Jul	0.001286973	0.137856737	1.02567E-05	5.834073067	6.244006157	0.07966388	0.002268575	8.030087471	0.0033616	0.011185808	0.000636317	0.000669254	0.000302858	0.297819853	6.70595E-06	0.001055389	0.000852584	0.002061247	0.00054555
2070 Aug	0.001371642	0.138403013	1.04343E-05	6.644696236	6.924581051	0.084710389	0.002532004	8.667250633	0.003778749	0.011366919	0.000681233	0.000761	0.000341231	0.335508555	7.15235E-06	0.001249351	0.000874493	0.002120379	0.000647063
2070 Sep	0.00138286	0.134629205	1.03206E-05	6.829640388	7.039785385	0.083820716	0.002591497	8.748164177	0.003865181	0.011269487	0.000673828	0.00077743	0.000348498	0.343313634	7.16057E-06	0.001303415	0.00085034	0.002083106	0.000674699
2070 Oct	0.001364532	0.131438151	1.02043E-05	6.705763817	6.898846626	0.081276506	0.002606985	8.608810425	0.003777398	0.011228151	0.000647879	0.000755754	0.000342607	0.335918576	7.22797E-06	0.001274225	0.000819302	0.002031795	0.000660975
2070 Nov	0.001365539	0.131190971	1.02035E-05	6.729201317	6.914144039	0.081322342	0.002641356	8.624999046	0.003780318	0.011255745	0.000646508	0.000756531	0.000344272	0.336488754	7.33685E-06	0.001276766	0.000817194	0.00202982	0.000663361
2070 Dec	0.001366131	0.131187648	1.02044E-05	6.736496449	6.920070171	0.081372216	0.002646105	8.630624771	0.003783266	0.01125914	0.000646793	0.000757228	0.000344677	0.336785376	7.34984E-06	0.001278194	0.000817332	0.002030239	0.00066421
2071 Jan	0.001366271	0.131190553	1.02047E-05	6.740043163	6.922866344	0.081408158	0.002651107	8.633527756	0.003783814	0.011263177	0.000646834	0.000757423	0.000344946	0.33688426	7.36664E-06	0.001278492	0.000817394	0.002030419	0.000664534
2071 Feb	0.001366307	0.131196335	1.0205E-05	6.743681431	6.925662518	0.081452943	0.002658071	8.636586189	0.003783777	0.01126893	0.000646817	0.000757529	0.000345271	0.336954385	7.39106E-06	0.001278527	0.000817458	0.002030618	0.000664806
2071 Mar	0.001366427	0.131207779	1.02059E-05	6.747228622	6.928472042	0.081494853	0.002664112	8.639707565	0.003784019	0.011274504	0.000646845	0.000757676	0.000345569	0.337036639	7.41207E-06	0.001278657	0.000817556	0.002030931	0.000665086
2071 Apr	0.001367625	0.131319806	1.0215E-05	6.75739914	6.937605381	0.08161281	0.002674498	8.650530815	0.003787256	0.011290737	0.000647372	0.000758464	0.000346247	0.337407291	7.44675E-06	0.001279828	0.000818294	0.002032918	0.00066599
2071 May	0.0013631	0.135835707	1.0203E-05	6.565730572	6.847978115	0.083073303	0.002582462	8.613937378	0.003702205	0.011311514	0.00066196	0.000735955	0.000337733	0.330908209	7.26388E-06	0.00122789	0.000840453	0.002024014	0.000637835
2071 Jun	0.001251308	0.139582485	9.9081E-06	5.421717644	5.959681034	0.078977555	0.002060384	7.776757717	0.003162893	0.010877257	0.000636015	0.000617968	0.000282068	0.281824052	6.13829E-06	0.000963693	0.000849628	0.00196377	0.00049517
2071 Jul	0.001258674	0.137501135	1.00433E-05	5.61306572	6.069186211	0.078830332	0.002196126	7.852390289	0.003240489	0.011006435	0.000629732	0.000641885	0.000292608	0.287955165	6.55318E-06	0.001003232	0.000846264	0.002012277	0.000519279
2071 Aug	0.001339023	0.138574257	1.02404E-05	6.37834549	6.717642784	0.083953172	0.002473547	8.470807076	0.003626927	0.011238232	0.000672875	0.000727235	0.000329699	0.323244035	7.09187E-06	0.001180848	0.000871163	0.002075573	0.000613482
2071 Sep	0.001364317	0.135306418	1.01803E-05	6.716834545	6.96532011	0.084420845	0.002587865	8.677344322	0.003791899	0.011168988	0.000676952	0.000761879	0.000344824	0.338157535	7.22419E-06	0.001268977	0.000855674	0.002059152	0.000659542
2071 Oct	0.00135799	0.133434609	1.01186E-05	6.714046478	6.938850403	0.083494179	0.002651859	8.647616386	0.003765458	0.01118002	0.000664647	0.000755727	0.000345577	0.336477548	7.42848E-06	0.001264001	0.000839556	0.002034557	0.00065932
2071 Nov	0.00135242	0.132385343	1.01076E-05	6.643196106	6.866559505	0.082226381	0.002646429	8.58702755	0.003722828	0.011200088	0.00065217	0.000744309	0.000341929	0.332672775	7.42469E-06	0.001247669	0.000825925	0.002015354	0.000650903
2071 Dec	0.001352618	0.132336304	1.01085E-05	6.643642902	6.866298676	0.082184218	0.002647622	8.587339401	0.003722722	0.011202976	0.000651719	0.000744162	0.000341934	0.332666427	7.42714E-06	0.001247792	0.000825314	0.00201467	0.000650974
2072 Jan	0.001352696	0.132346779	1.01091E-05	6.646548271	6.868603706	0.082220979	0.002653192	8.589998245	0.00372271	0.01120811	0.0006517	0.000744237	0.000342192	0.332724452	7.44668E-06	0.001247809	0.000825376	0.002014852	0.000651183
2072 Feb	0.001352783	0.132361144	1.01097E-05	6.650636196	6.871860504	0.082274154	0.002660804	8.593637466	0.003722754	0.011214739	0.000651704	0.000744365	0.000342551	0.332809687	7.47336E-06	0.001247862	0.000825492	0.002015117	0.000651485
2072 Mar	0.001352923	0.132376477	1.01107E-05	6.65448761	6.874952793	0.082321279	0.00266737	8.597101212	0.003723018	0.011220873	0.00065174	0.000744522	0.000342875	0.332900047	7.49623E-06	0.001247996	0.000825613	0.002015459	0.000651786
2072 Apr	0.001354992	0.132577002	1.01263E-05	6.668670654	6.888423443	0.082492739	0.002679238	8.613401413	0.003728617	0.011244178	0.000652696	0.000745775	0.000343761	0.333481133	7.53497E-06	0.001249944	0.000826901	0.002018732	0.000653088
2072 May	0.001365762	0.133618802	1.02057E-05	6.727537155	6.947535038	0.083211139	0.002710563	8.686167717	0.003758503	0.011340111	0.000657904	0.000751939	0.000346988	0.33626017	7.62929E-06	0.00126015	0.0008335	0.002034862	0.000658784
2072 Jun	0.001234044	0.124834016	1.01124E-05	5.776016235	6.001051426	0.072251461	0.002334295	7.665723801	0.003291505	0.010942547	0.000565792	0.00066476	0.000298898	0.288530976	6.89317E-06	0.001057679	0.000777049	0.002037188	0.000551038
2072 Jul	0.001234622	0.122825123	1.02157E-05	5.883460045	6.042131424	0.071594961	0.002439	7.680684566	0.003325776	0.011033063	0.000555933	0.000677735	0.000305415	0.290885419	7.24573E-06	0.001077586	0.000767603	0.00206853	0.000564839
2072 Aug	0.001289006	0.119507954	1.02111E-05	6.521559715	6.54173708	0.074053548	0.002648199	8.129839897	0.00364478	0.010966911	0.000577651	0.000744537	0.000335019	0.319851637	7.5336E-06	0.001236674	0.000756061	0.002064572	0.000648361
2072 Sep	0.001324443	0.116483204	1.01572E-05	6.950489521	6.872343063	0.075305238	0.002779861	8.419903755	0.003859719	0.010884549	0.000589276	0.000788747	0.000354293	0.339409292	7.66552E-06	0.001347186	0.000743288	0.002048357	0.000705768
2072 Oct	0.001300352	0.113787398	1.00149E-05	6.717158794	6.651610851	0.072208658	0.002718346	8.211381912	0.003729322	0.010801481	0.000561214	0.000755749	0.000342118	0.327943861	7.50796E-06	0.001296934	0.000711609	0.001984757	0.000679031
2072 Nov	0.00129925	0.113415278	1.00039E-05	6.69638586	6.630783081	0.071782224	0.002713536	8.194332123	0.0037175	0.010802989	0.000557305	0.000752124	0.000340886	0.326910079	7.48891E-06	0.001292916	0.000706691	0.001975835	0.000676761
2072 Dec	0.00130032	0.113409802	1.0005E-05	6.708347321	6.640665054	0.071859665	0.002718976	8.203421593	0.00372308	0.010805946	0.000557891	0.000753397	0.000341491	0.327438086	7.50113E-06	0.001295591	0.000706975	0.00197649	0.000678233
2073 Jan	0.001300594	0.113415577	1.00054E-05	6.712974548	6.64442873	0.071902961	0.002723988	8.207209587	0.003724295	0.010809912	0.000558018	0.000753731	0.000341801	0.32759437	7.5172E-06	0.001296192	0.000707089	0.001976747	0.000678701
2073 Feb	0.001300689	0.11342825	1.00061E-05	6.716864586	6.647514343	0.071951821	0.002731032	8.210639	0.003724407	0.010816123	0.000558033	0.000753866	0.000342139	0.327678204	7.54183E-06	0.001296274	0.000707196	0.001977026	0.000678996
2073 Mar	0.001300969	0.113453172	1.00083E-05	6.722032547	6.651725292	0.07201153	0.002738947	8.215390205	0.003725091	0.010824241	0.000558122	0.000754129	0.000342551	0.327815056	7.56916E-06	0.001296571	0.000707385	0.00197762	0.000679421
2073 Apr	0.001305401	0.113836832	1.00424E-05	6.748793602	6.677237034	0.072300285	0.002755643	8.246378899	0.00373773	0.010866795	0.000559994	0.000756816	0.000344063	0.329003483	7.62068E-06	0.001301049	0.000709819	0.001984525	0.000682036
2073 May	0.001317911	0.121324889	1.00572E-05	6.619105339	6.685629845	0.075761169	0.002644863	8.326618195	0.003699544	0.01092735	0.000594718	0.000742364	0.00033825	0.327239424	7.34462E-06	0.001263184	0.000752428	0.001985062	0.000659704
2073 Jun	0.001236219	0.128588408	9.89321E-06	5.638710499	5.977888107	0.074244313	0.002163965	7.691133976	0.003254747	0.01066947	0.000592039	0.000644458	0.000290659	0.287023872	6.30302E-06	0.001033087	0.000788198	0.001961717	0.000533986

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Jul	0.001261918	0.127132013	1.00523E-05	5.98333931	6.225012779	0.075330377	0.002338852	7.899069309	0.003414401	0.010826926	0.000597617	0.000685713	0.000308296	0.300696135	6.76254E-06	0.001109894	0.000791482	0.002018317	0.000577307
2073 Aug	0.001348257	0.127642423	1.02239E-05	6.836269855	6.939519405	0.080773816	0.002646297	8.567470551	0.003842799	0.01103302	0.000644039	0.00078079	0.000349493	0.339829743	7.34772E-06	0.001309783	0.000814696	0.002079186	0.000683682
2073 Sep	0.001381857	0.125811279	1.02048E-05	7.226177216	7.24693346	0.082335293	0.002781723	8.83827877	0.004035008	0.011025938	0.000657453	0.000822279	0.000367577	0.357436329	7.54865E-06	0.001406591	0.000811382	0.002079632	0.000734751
2073 Oct	0.001364779	0.122940369	1.00844E-05	7.09573555	7.106527328	0.079889059	0.002777917	8.700479507	0.003949533	0.010973974	0.00063353	0.000800644	0.000360987	0.350172311	7.54738E-06	0.001377694	0.000782452	0.002027723	0.000720385
2073 Nov	0.001362978	0.122424401	1.0067E-05	7.078644276	7.086792469	0.079448752	0.002775996	8.681697845	0.003938652	0.010967531	0.000629422	0.00079751	0.000359978	0.349225312	7.53651E-06	0.001374565	0.000777124	0.002018567	0.000718699
2073 Dec	0.001364385	0.12244238	1.00702E-05	7.092690468	7.098632813	0.079545431	0.002782217	8.693015099	0.003945361	0.010972818	0.000630163	0.000799018	0.000360686	0.349853575	7.55063E-06	0.001377677	0.000777574	0.002019675	0.000720402
2074 Jan	0.001365199	0.122443281	1.00707E-05	7.1011114273	7.10574913	0.079600953	0.002784899	8.699472427	0.003949659	0.010973663	0.000630638	0.000799974	0.000361081	0.350247949	7.55481E-06	0.001379713	0.000777829	0.002020117	0.000721472
2074 Feb	0.001365542	0.122450158	1.00711E-05	7.10635519	7.110075474	0.079648934	0.002789705	8.703706741	0.003951312	0.010977142	0.000630824	0.000800403	0.000361411	0.350440383	7.56968E-06	0.001380515	0.000777986	0.002020407	0.000722032
2074 Mar	0.001365952	0.122487344	1.00742E-05	7.111638546	7.114564896	0.079710275	0.002796735	8.708848	0.0039524	0.01098532	0.000630985	0.000800728	0.000361805	0.350601941	7.59367E-06	0.001380946	0.00077825	0.002021153	0.000722484
2074 Apr	0.00136978	0.122829385	1.01025E-05	7.134993553	7.137033463	0.079972863	0.002811264	8.735958099	0.003963387	0.011021416	0.000632721	0.000803068	0.000363129	0.351645559	7.63841E-06	0.001384845	0.000780455	0.002026986	0.000724769
2074 May	0.001377201	0.132753685	1.00976E-05	6.875081062	7.075769901	0.084083013	0.002639328	8.776637077	0.003866066	0.011079514	0.000674282	0.000773321	0.000351387	0.345214486	7.23626E-06	0.001312897	0.000834244	0.002018691	0.000683878
2074 Jun	0.001260859	0.140165642	9.76943E-06	5.563112736	6.105595589	0.081033356	0.001996983	7.886137009	0.00326416	0.010617102	0.000661927	0.000639514	0.000287128	0.290911376	5.79911E-06	0.001009924	0.000865012	0.00195509	0.000517946
2074 Jul	0.001329683	0.139864638	1.00044E-05	6.289084911	6.689953804	0.085052326	0.002289055	8.420949936	0.003622813	0.010873663	0.000693624	0.000723386	0.000322798	0.322932839	6.43973E-06	0.001177099	0.000884865	0.002037753	0.000608399
2074 Aug	0.00142945	0.141906291	1.02628E-05	7.210773468	7.480609894	0.091543376	0.002609231	9.178750038	0.004094253	0.011173834	0.000749272	0.000827592	0.000367257	0.365880609	7.04545E-06	0.001391543	0.000920794	0.002121684	0.000721959
2074 Sep	0.001453996	0.13887845	1.02094E-05	7.52918911	7.713227272	0.091930255	0.002720912	9.372301102	0.00424829	0.01112961	0.000752438	0.000860185	0.000381467	0.379823297	7.1841E-06	0.001474231	0.000906553	0.002107297	0.000765414
2074 Oct	0.001463379	0.136253849	1.01493E-05	7.703166008	7.825484276	0.091686532	0.00285024	9.464577675	0.004308231	0.011157708	0.000745765	0.000873085	0.000390464	0.386023849	7.49698E-06	0.001512674	0.000889676	0.00208619	0.00078823
2074 Nov	0.001480103	0.135722637	1.01496E-05	7.910312176	7.991260052	0.092840731	0.002950553	9.612588882	0.004401816	0.01119529	0.000753936	0.000894609	0.000400977	0.394941837	7.72488E-06	0.001559142	0.000891732	0.002093157	0.000814114
2074 Dec	0.001482926	0.13570711	1.01522E-05	7.939897537	8.015891075	0.093021385	0.002959992	9.634778023	0.004416927	0.011198539	0.000755557	0.00089799	0.000402369	0.396316111	7.73971E-06	0.001566328	0.000892515	0.002094876	0.000817894
2075 Jan	0.001483465	0.135710254	1.01527E-05	7.94589138	8.020917892	0.093064487	0.002962943	9.639481544	0.004419654	0.01120032	0.00075585	0.000898613	0.000402677	0.396579087	7.74676E-06	0.001567622	0.000892689	0.002095212	0.00081862
2075 Feb	0.001483813	0.135726064	1.01538E-05	7.950738907	8.024988174	0.093112655	0.002967797	9.643662453	0.004421086	0.011204642	0.000756024	0.000898989	0.000402994	0.396752208	7.76224E-06	0.001568286	0.000892873	0.002095598	0.000819112
2075 Mar	0.001484656	0.135796741	1.01592E-05	7.958649635	8.032038689	0.093201563	0.002975592	9.651674271	0.004423657	0.011215355	0.000756426	0.000899621	0.000403515	0.397046179	7.78777E-06	0.001569291	0.000893385	0.002096877	0.000819858
2075 Apr	0.001488511	0.136132523	1.01848E-05	7.983721733	8.05606842	0.093484655	0.00299056	9.679782867	0.004435426	0.011249069	0.000758365	0.000902154	0.000404924	0.398175687	7.83265E-06	0.001573631	0.000895678	0.002102384	0.000822384
2075 May	0.001506408	0.138489082	1.0245E-05	8.074046135	8.165154457	0.095245101	0.003005943	9.807005882	0.004489637	0.011326501	0.000774579	0.000912436	0.000409403	0.403486967	7.84956E-06	0.001592215	0.00091199	0.002117286	0.000831607
2075 Jun	0.00127652	0.123293608	1.00106E-05	6.368640423	6.487309456	0.075967 14	0.002374713	8.027430534	0.003635498	0.010652062	0.000609939	0.000746943	0.000323955	0.318017066	6.64805E-06	0.001223251	0.000803525	0.00208116	0.000635637
2075 Jul	0.001217903	0.118406981	1.00826E-05	5.959001541	6.049310684	0.070170715	0.00223924	7.553928852	0.00342992	0.010569091	0.000558938	0.000710919	0.000303498	0.296091497	6.45166E-06	0.0011347	0.000771537	0.002105951	0.000589361
2075 Aug	0.001282557	0.118824154	1.0225E-05	6.590377808	6.578032494	0.074184157	0.00247706	8.05503273	0.003744305	0.010741	0.00059238	0.00078013	0.000334236	0.324911863	6.92344E-06	0.001281021	0.000787246	0.002150172	0.000667791
2075 Sep	0.001314567	0.11874456	1.02838E-05	6.925398827	6.854985714	0.076274097	0.002638266	8.320056915	0.003898994	0.010857097	0.000607276	0.000814386	0.000351299	0.339597672	7.29707E-06	0.001354495	0.000793214	0.002168309	0.00070858
2075 Oct	0.001314261	0.117743835	1.02527E-05	6.942615032	6.85704565	0.075859807	0.002709618	8.330188751	0.003884214	0.010911409	0.000599279	0.000809857	0.000353159	0.339159071	7.5218E-06	0.001352397	0.000781725	0.0021402	0.000709791
2075 Nov	0.001318268	0.117669456	1.02629E-05	6.976454258	6.884053707	0.0759767	0.002734969	8.360012054	0.003897027	0.010942435	0.000599308	0.000812226	0.000354977	0.340497792	7.58835E-06	0.001358918	0.000780535	0.002147252	0.000713675
2075 Dec	0.001319329	0.117678039	1.02654E-05	6.987104893	6.892936707	0.076046854	0.002740615	8.368699074	0.003901811	0.010947611	0.000599778	0.000813292	0.000355532	0.340958089	7.60235E-06	0.001361166	0.000780776	0.002147949	0.000714944
2076 Jan	0.001319538	0.117689207	1.0266E-05	6.99007988	6.895447731	0.076078065	0.00274404	8.371377945	0.003902543	0.010950764	0.000599858	0.000813487	0.000355736	0.341057986	7.61349E-06	0.001361509	0.000780874	0.002148129	0.000715231
2076 Feb	0.001319815	0.117721796	1.0268E-05	6.99375248	6.898657322	0.076126531	0.002749323	8.375125885	0.003903169	0.010956829	0.000599965	0.000813688	0.00035602	0.341166466	7.63174E-06	0.001361737	0.000781094	0.002148627	0.000715526
2076 Mar	0.00132049	0.117783859	1.02733E-05	7.000724792	6.904744625	0.076207072	0.002757523	8.382185936	0.00390502	0.010967811	0.000600241	0.000814185	0.000356513	0.341400474	7.65951E-06	0.001362432	0.00078153	0.002149859	0.000716141
2076 Apr	0.001322424	0.117955349	1.02884E-05	7.014818668	6.917705059	0.076363102	0.002769095	8.397517204	0.003910626	0.010989825	0.000601085	0.000815482	0.000357384	0.341968834	7.69713E-06	0.001364455	0.000782701	0.002153177	0.000717479
2076 May	0.001327312	0.123158589	1.03307E-05	6.872909069	6.876912594	0.078308202	0.002702492	8.421737671	0.003850402	0.011083895	0.000619112	0.00079746	0.000351441	0.337835371	7.58118E-06	0.001321891	0.000808078	0.002152056	0.000694234
2076 Jun	0.001185378	0.127505928	9.9844E-06	5.344267368	5.680553436	0.071876347	0.002023622	7.317249298	0.00312519	0.010596406	0.000574472	0.000634826	0.00027655	0.271850616	6.1117E-06	0.000969114	0.000806322	0.002056325	0.000502283
2076 Jul	0.00119418	0.125087306	1.01093E-05	5.550065041	5.798633099	0.071587674	0.002150815	7.396212101	0.003213627	0.010702267	0.000567995	0.000660782	0.000287311	0.27877906	6.47729E-06	0.001014892	0.000800662	0.002101515	0.000529252
2076 Aug	0.001286458	0.1260923	1.03178E-05	6.428647518	6.542087078	0.077331953	0.002446782	8.098935127	0.00366363	0.010929503	0.000617966	0.000759909	0.000329268	0.319627523	7.00485E-06	0.001222571	0.000828284	0.002170833	0.000639149
2076 Sep	0.001311731	0.126047835	1.03772E-05	6.687503338	6.755132675	0.078908026	0.002584977	8.307957649	0.003779317	0.011046671	0.000628137	0.0007853	0.00034273	0.330744922	7.3445E-06	0.001277447	0.00083178	0.002184975	0.000670174
2076 Oct	0.001300302	0.123647347	1.02647E-05	6.597455978	6.656408787	0.076985218	0.002574569	8.210597038	0.003721242	0.010982724	0.000610155	0.000769285	0.000337762	0.325873882	7.29616E-06	0.001259788	0.000807339	0.002137283	0.000660944
2076 Nov	0.001301464	0.123208217	1.02511E-05	6.607785225	6.660904884	0.076762743	0.002580214	8.214818954	0.003724853	0.010979678	0.000608066	0.000769273	0.000338045	0.326257855	7.29543E-06	0.001263256	0.000803195	0.00212981	0.000662685
2076 Dec	0.001303138	0.123215228	1.02539E-05	6.6256814	6.675826073	0.076883413	0.002588394	8.228792191	0.003733249	0.010985234	0.000608977	0.000771181	0.000338953	0.327050149	7.31417E-06	0.001267217	0.000803699	0.002131012	0.000664876
2077 Jan	0.001303454	0.123220026	1.02543E-05	6.630114079	6.67948246	0.076921679	0.00259228	8.232398033	0.00373471	0.010988178	0.00060913	0.000771547	0.000339226	0.327215999	7.32599E-06	0.001267925	0.000803812	0.002131242	0.000665356
2077 Feb	0.001303569	0.123234235	1.02552E-05	6.633906841	6.682517052	0.076969147	0.002598977	8.23579216	0.003734884	0.010994245	0.000609154	0.000771687	0.000339551	0.327301115	7.34937E-06	0.001268025	0.000803925	0.002131537	0.000665647
2077 Mar	0.001303828	0.12325912	1.02572E-05	6.638040066	6.685954571	0.07701806	0.002605049	8.239700317	0.003735529	0.011000788	0.000609248	0.000771913	0.000339874	0.32741639	7.3703E-06	0.00126829	0.000804109	0.002132069	0.000665989
2077 Apr	0.001306143	0.123475477	1.02755E-05	6.653779507	6.70073843	0.077199437	0.00261736	8.257434845	0.003742068	0.011026359	0.000610292	0.000773395	0.000340834	0.328068733	7.41029E-06	0.001270583	0.000805556	0.002136031	0.000667473
2077 May	0.001309834	0.128362134	1.02956E-05	6.511767864	6.657266617	0.079022713	0.002542239	8.273394585	0.003683392	0.011089457	0.00062791	0.000755713	0.000334621	0.324006498	7.25623E-06	0.001229886	0.000829392	0.002130819	0.000644871
2077 Jun	0.001237309	0.140556365	9.96871E-06	5.404201508	5.944163799	0.07993713	0.002007733	7.716973305	0.003173244	0.010795957	0.000647522	0.000630336	0.000281695	0.281269819	6.05327E-06	0.000960973	0.000876804	0.002030453	0.000497119
2077 Jul	0.001289297	0.141884565	1.02129E-05	5.910609245	6.365938663	0.083511725	0.002276176	8.133184433	0.003406742	0.011125675	0.000671696	0.000685136	0.00030852	0.302939117	6.76954E-06	0.001065027	0.00089749	0.002101012	0.000556387
2077 Aug	0.001387238	0.142954856	1.04295E-05	6.846674919	7.158808231	0.089667283	0.002588826	8.881209373	0.003886944	0.011361839	0.000725352	0.00079107	0.000353169	0.346525729	7.32072E-06	0.001286643	0.00092781	0.002175307	0.000673704
2077 Sep	0.001390361	0.137376264	1.02606E-05	7.008568287	7.234424591	0.087815411	0.002636882	8.91293335	0.003959341	0.011167664	0.000709745	0.000803503	0.000358936	0.352869928	7.2757E-06	0.001338989	0.000889823	0.00211847	0.000700551
2077 Oct	0.001388181	0.13584584	1.0229E-05	7.006667137	7.213503361	0.086867496	0.0026777	8.894487381	0.003942546	0.01119116	0.000698669	0.000798439	0.000359078	0.351736665	7.39234E-06	0.001336972	0.00087498	0.00209746	0.0007007
2077 Nov	0.001392209	0.135933131	1.02423E-05	7.042427063	7.243988991	0.087110311	0.00269412	8.925047874	0.003959687	0.011211017	0.00070046	0.000802181	0.000360881	0.353337765	7.43059E-06	0.001344754	0.000876127	0.002100718	0.000704974
2077 Dec	0.001393094	0.135951951	1.0245E-05	7.050974369	7.25124073	0.087172061	0.002698385	8.932184219	0.003963647	0.011215392	0.000700901	0.000803071	0.000361324	0.353713602	7.44113E-06	0.001346563	0.000876423	0.002101486	0.000705988
2078 Jan	0.00139337	0.135963917	1.02459E-05	7.054376602	7.254111767	0.087204389	0.00270161	8.935175896	0.003964722	0.011218518	0.000701023	0.000803341	0.000361541	0.353838503	7.45127E-06	0.001347055	0.000876547	0.00210177	0.000706339
2078 Feb	0.0013935	0.135977864	1.02468E-05	7.058267593	7.257221222	0.087251745	0.00270827	8.938635826	0.003964973	0.011224604	0.000701054	0.000803498	0.000361868	0.353929043	7.47445E-06	0.001347189	0.000876662	0.002102091	0.000706644
2078 Mar	0.001393703	0.135996297	1.02484E-05	7.063042641	7.261047363	0.087307349	0.002716	8.942902565	0.003965446	0.011232057	0.000701116	0.000803718	0.00036226	0.354047209	7.50125E-06	0.001347414	0.000876813	0.002102573	0.00070703
2078 Apr	0.001398228	0.136433631	1.02818E-05	7.090053558	7.287606239	0.087635577	0.002732648	8.975091934	0.003978256	0.01127464	0.00070335	0.000806451	0.000363801	0.355270863	7.55297E-06	0.001351849	0.000879674	0.002109588	0.000709642
2078 May	0.001388869	0.146427304	1.02251E-05	6.64551878	7.076894283	0.090667203	0.002493495	8.882777214	0.003787633	0.011281265	0.000735928	0.000754483	0.000343114	0.340572596	7.01341E-06	0.001236478	0.000926745	0.002078549	0.000645244
2078 Jun	0.001297321	0.154149175	9.94693E-06	5.516002655	6.265156746	0.088712372	0.001994103	8.182538986	0.003252385	0.010982171	0.000727527	0.000630376	0.000289093	0.293801934	5.95841E-06	0.000965813	0.000950377	0.001998911	0.000498152
2078 Jul	0.001376119	0.155687541	1.0204E-05	6.264968395	6.896862984	0.093855925	0.002306636	8.791098595	0.003620167	0.011305816	0.000768209	0.000713518	0.000326524	0.327506542	6.66549E-06	0.001132914	0.0009778	0.002077515	0.000589379
2078 Aug	0.001463341	0.15464142	1.03286E-05	7.159427166	7.628703594	0.098686472	0.002587219	9.453832626	0.004079413	0.011408793	0.000812384	0.000814968	0.000368288	0.368773073	7.09733E-06	0.001351956	0.000992043	0.002127366	0.000704907
2078 Sep	0.001495591	0.153651372	1.03866E-05	7.52524519	7.918995857	0.100488245	0.002760547	9.72542572	0.004248377	0.011503451	0.00082452	0.000852353	0.000386679	0.384548128	7.48693E-06	0.001434172	0.000992519	0.002143662	0.000750533
2078 Oct	0.001505548	0.151768103	1.03473E-05	7.691009521	8.033563614	0.100604594	0.002856121	9.817962646	0.004315687	0.01151126	0.000823046	0.000867561	0.000394906	0.391030908	7.69871E-06	0.001472891	0.000983064	0.002134496	0.000772554
2078 Nov	0.00150745	0.151495114	1.03491E-05	7.718633652	8.052339554	0.100624502	0.002881545	9.836060524	0.004324191	0.011530831	0.000822129	0.000869459	0.00039649	0.391955525	7.77038E-06	0.001477963	0.000981141	0.002133455	0.000775843
2078 Dec	0.001508273	0.151502743	1.03509E-05	7.726509094	8.058978081	0.100675091	0.002884527	9.842372894	0.004328118	0.01153338	0.000822546	0.000870327	0.000396872	0.392316073	7.77626E-06	0.001479787	0.000981375	0.002134051	0.000776822
2079 Jan	0.001508975	0.151493743	1.03511E-05	7.735164165	8.066058159	0.100732505	0.00288895	9.848795891	0.004331969	0.011535355	0.000822931	0.000871224	0.000397321	0.392688513	7.78694E-06	0.001481662	0.00098156	0.002134451	0.000777887
2079 Feb	0.001509138	0.151496023	1.03513E-05	7.739426136	8.069419861	0.100775354	0.002894696	9.852205276	0.004332706	0.011539745	0.000822993	0.000871477	0.000397637	0.392811477	7.80612E-06	0.001482058	0.000981643	0.002134666	0.000778289
2079 Mar	0.001509704	0.151543021	1.03548E-05	7.746040821	8.075139999	0.100850381	0.002902315	9.858599663	0.004334443	0.011548649	0.000823265	0.000871945	0.000398101	0.393035382	7.83155E-06	0.001482766	0.000982002	0.002135562	0.000778895
2079 Apr	0.001512529	0.151817322	1.03741E-05	7.764863491	8.093382835	0.10108342	0.002915655	9.88025856	0.004342602	0.011576135	0.000824761	0.000873729	0.000399222	0.393855035	7.87364E-06	0.001485672	0.000983835	0.002139723	0.000780707
2079 May	0.001522418	0.153391719	1.04486E-05	7.795247078	8.137551308	0.101931259	0.002928202	9.943932533	0.00436129	0.011665829	0.000831725	0.000876862	0.000401015	0.395705819	7.91967E-06	0.001489193	0.000993	0.002153978	0.000782547
2079 Jun	0.001272089	0.138573036	1.00524E-05	5.833945274	6.2698946	0.081445217	0.002123129	7.985466957	0.003400651	0.010792521	0.000662695	0.00068365	0.000301184	0.300600678	6.19918E-06	0.001071231	0.000879822	0.002070898	0.0005559
2079 Jul	0.001239464	0.132943675	1.01015E-05	5.725792885	6.077549934	0.077352442	0.002123527	7.735161781	0.003333393	0.01074066	0.000624582	0.000677867	0.000295715	0.291992754	6.28433E-06	0.001051838	0.000848823	0.00209518	0.000547522
2079 Aug	0.001332541	0.133678868	1.02981E-05	6.630491734	6.837717056	0.083157815	0.002443331	8.449030876	0.00379057	0.010968726	0.000674463	0.000779063	0.000339257	0.333658725	6.88327E-06	0.00126438	0.000874436	0.00216204	0.000661167
2079 Sep	0.001361019	0.13082324	1.02383E-05	6.975083351	7.096570492	0.083805792	0.002570209	8.672532082	0.003955448	0.010939642	0.000679485	0.000813192	0.000354814	0.348871231	7.05362E-06	0.001352324	0.000860507	0.002143367	0.000707853
2079 Oct	0.001355722	0.128918126	1.01779E-05	6.951014042	7.054198742	0.082565561	0.002611127	8.633303642	0.00392358	0.010948048	0.000665391	0.000804291	0.000353929	0.346561164	7.17333E-06	0.001344964	0.000841646	0.00211231	0.000705389
2079 Nov	0.001349987	0.127997264	1.01539E-05	6.890513897	6.992893696	0.081553459	0.002611479	8.580659866	0.003884884	0.010956683	0.000655082	0.000794169	0.000350985	0.343250126	7.18789E-06	0.001330322	0.000830056	0.002093524	0.000698026
2079 Dec	0.001345157	0.127275512	1.01361E-05	6.826140404	6.931638718	0.08057794	0.002589728	8.527084351	0.003851431	0.010949949	0.000646465	0.000785047	0.000347405	0.340162545	7.12512E-06	0.001317175	0.000820398	0.002077515	0.000690612
2080 Jan	0.001345301	0.127283961	1.01363E-05	6.829165936	6.9341259	0.080612212	0.002594201	8.529791832	0.003851833	0.010953749	0.000646487	0.000785186	0.000347636	0.340246975	7.14018E-06	0.00131739	0.000820462	0.002077601	0.000690876
2080 Feb	0.001345445	0.127306163	1.01371E-05	6.833652496	6.937816143	0.080672637	0.002602168	8.533951759	0.003852017	0.010960896	0.000646522	0.000785341	0.00034802	0.340349913	7.16801E-06	0.001317491	0.000820626	0.002077904	0.000691213
2080 Mar	0.001345543	0.127318889	1.01378E-05	6.837927341	6.941189766	0.080725901	0.002609957	8.537697792	0.003852122	0.010967715	0.000646531	0.000785486	0.000348392	0.340440869	7.19524E-06	0.001317576	0.000820735	0.002078199	0.000691537
2080 Apr	0.001347273	0.12748231	1.01509E-05	6.850763798	6.953123569	0.080877081	0.002621278	8.5519104	0.003856946	0.010988122	0.000647321	0.000786604	0.000349208	0.34095037	7.23243E-06	0.001319292	0.000821822	0.002081051	0.000692729
2080 May	0.00135819	0.128631189	1.02329E-05	6.90598917	7.010732174	0.081618421	0.002647625	8.624013901	0.003886408	0.011083527	0.00065297	0.000792598	0.000352195	0.343658596	7.3118E-06	0.001328914	0.000829089	0.002097831	0.000698011

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Jun	0.001219081	0.119926833	1.00996E-05	5.858141899	5.989600182	0.070110321	0.002238144	7.542339325	0.003369693	0.010663865	0.000556072	0.000692559	0.000299365	0.291730702	6.50008E-06	0.001103712	0.00076807	0.002081607	0.00057686
2080 Jul	0.001174584	0.115563609	1.01246E-05	5.593554497	5.684509754	0.065819323	0.002196197	7.203513622	0.003219712	0.010602402	0.000516003	0.000667124	0.000287155	0.276209265	6.54582E-06	0.001042611	0.00073753	0.002091014	0.000546945
2080 Aug	0.001236145	0.115549222	1.02445E-05	6.204973698	6.191035271	0.069496006	0.002432409	7.681437969	0.003520762	0.010748489	0.000546501	0.000732925	0.000316984	0.303896189	7.01851E-06	0.001184424	0.000747749	0.002125256	0.000623738
2080 Sep	0.00126736	0.113687053	1.02202E-05	6.571375847	6.480348587	0.070989683	0.002579641	7.946359158	0.003694396	0.010744302	0.000557793	0.000768942	0.000334485	0.320217878	7.27376E-06	0.001272471	0.000740743	0.002116186	0.000671369
2080 Oct	0.001274729	0.112320751	1.01654E-05	6.670470238	6.549855709	0.070922792	0.002661951	8.012756348	0.003724878	0.010771305	0.000554025	0.000773882	0.000339676	0.323844105	7.46893E-06	0.001293325	0.000729325	0.002092759	0.000684042
2080 Nov	0.001270802	0.111503921	1.0135E-05	6.59867382	6.483652592	0.069793604	0.002642202	7.960300922	0.003685633	0.010772747	0.000543723	0.000762185	0.000335637	0.320441335	7.40418E-06	0.001278415	0.000716604	0.00206749	0.000675636
2080 Dec	0.001271956	0.111458302	1.01354E-05	6.60858345	6.491562366	0.069817267	0.002646976	7.968310356	0.003690123	0.010776932	0.000543825	0.000763009	0.000336098	0.320876807	7.41289E-06	0.001280755	0.000716203	0.002066837	0.0006769
2081 Jan	0.00127217	0.111471765	1.01362E-05	6.613443375	6.495481491	0.069871537	0.002654323	7.972568512	0.003690739	0.010783465	0.000543885	0.000763246	0.0033648	0.321006864	7.43792E-06	0.001281073	0.000716324	0.002067144	0.000677318
2081 Feb	0.001272265	0.111488059	1.01368E-05	6.617506027	6.498751163	0.069925442	0.002661868	7.976241589	0.003690791	0.010790088	0.000543899	0.000763371	0.0033638	0.321092844	7.46437E-06	0.001281125	0.000716449	0.002067406	0.000677616
2081 Mar	0.001272507	0.111511566	1.01387E-05	6.622694969	6.502955914	0.069987021	0.002670195	7.980969906	0.003691338	0.010798307	0.000543972	0.000763614	0.0033726	0.321223676	7.49324E-06	0.001281373	0.000716632	0.002067954	0.000678034
2081 Apr	0.001275133	0.111762367	1.01587E-05	6.640529156	6.519855976	0.070199065	0.00268452	8.00134182	0.003698591	0.010827201	0.000545081	0.000765238	0.000338348	0.321962029	7.5398E-06	0.001289907	0.00071826	0.002072189	0.000679705
2081 May	0.001277589	0.121389486	1.01707E-05	6.329306602	6.409186363	0.073734038	0.002526853	8.005130768	0.003565814	0.010926788	0.000578744	0.000727154	0.000324681	0.312517703	7.22203E-06	0.001195989	0.000765945	0.002058847	0.000631003
2081 Jun	0.001218254	0.129513577	1.00042E-05	5.513800621	5.859752178	0.073815398	0.002161151	7.557604313	0.003184359	0.010770598	0.000585898	0.000637977	0.000286327	0.27979067	6.46859E-06	0.000995447	0.000800856	0.002014196	0.000521639
2081 Jul	0.001273004	0.131761566	1.02893E-05	6.006258965	6.280785084	0.07768406	0.002430763	7.988256454	0.003411298	0.011154275	0.000612043	0.000690608	0.000312783	0.301010221	7.20942E-06	0.001093364	0.000825666	0.002090452	0.000578032
2081 Aug	0.001385443	0.133579537	1.05556E-05	7.062427998	7.182160854	0.08490327	0.002782305	8.842544556	0.003954913	0.01145093	0.000675002	0.000810899	0.000363248	0.350355595	7.83664E-06	0.001342404	0.000864698	0.002181782	0.000710485
2081 Sep	0.001413027	0.132651925	1.0587E-05	7.371422291	7.428660393	0.086397976	0.002922006	9.073134422	0.004098966	0.011512534	0.000685503	0.000842093	0.000378558	0.363855809	8.13227E-06	0.001413091	0.000863909	0.002189657	0.000749504
2081 Oct	0.001418272	0.131885141	1.05768E-05	7.442838192	7.478292465	0.086431019	0.002985428	9.121407509	0.004121013	0.01155354	0.000683168	0.000846481	0.000382534	0.366341084	8.3018E-06	0.001426811	0.000857929	0.002181939	0.000758208
2081 Nov	0.001412434	0.130635589	1.05249E-05	7.398530006	7.428277969	0.085430197	0.002978048	9.070593834	0.004093319	0.011521222	0.000673986	0.000839007	0.000380018	0.363931924	8.27047E-06	0.001418577	0.000845881	0.002160105	0.000753792
2081 Dec	0.001412038	0.1304975	1.05224E-05	7.39420557	7.422982693	0.085307352	0.002981002	9.066558838	0.00408952	0.011525303	0.000672605	0.000837936	0.000379831	0.363633305	8.28022E-06	0.001417343	0.000844207	0.002157538	0.000753248
2082 Jan	0.001412229	0.130504489	1.05227E-05	7.398238659	7.426243782	0.085349567	0.002986504	9.069989204	0.004090204	0.01152982	0.000672659	0.000838157	0.00038013	0.363751322	8.29857E-06	0.001417703	0.000844289	0.002157703	0.00075362
2082 Feb	0.001412399	0.130527452	1.05237E-05	7.402587414	7.429839134	0.085406914	0.002993924	9.074050903	0.004090495	0.011536716	0.000672708	0.000838326	0.000380495	0.363856256	8.32441E-06	0.00141784	0.000844459	0.002158049	0.000753953
2082 Mar	0.001412821	0.130570129	1.05268E-05	7.407734394	7.434298992	0.085469954	0.00300077	9.07921505	0.004091566	0.011544908	0.00067288	0.000838642	0.000380879	0.364015937	8.34785E-06	0.001418247	0.000844754	0.002158807	0.000754388
2082 Apr	0.001414904	0.130761877	1.05425E-05	7.422825813	7.448355291	0.085644409	0.003013397	9.09592247	0.004097471	0.011568434	0.00067383	0.000839991	0.000381819	0.364626497	8.38892E-06	0.001420363	0.000846031	0.002162182	0.000755813
2082 May	0.001425008	0.131700695	1.06177E-05	7.479460716	7.504314423	0.086302683	0.003042268	9.163906097	0.004126548	0.011656925	0.000678641	0.000846073	0.000384884	0.367293358	8.47472E-06	0.001430484	0.000852133	0.002177781	0.00076147
2082 Jun	0.001214925	0.117122397	1.02453E-05	5.938812733	5.99520731	0.068755291	0.002344878	7.524711132	0.003389134	0.010787045	0.000537922	0.000703016	0.00030453	0.292340726	6.87439E-06	0.001117001	0.000755312	0.002122294	0.000588614
2082 Jul	0.001095857	0.109302483	1.01564E-05	5.065791607	5.129239559	0.058808118	0.002045369	6.606380463	0.002945249	0.010477875	0.000451714	0.000618139	0.000261464	0.247950315	6.36427E-06	0.000924739	0.000698962	0.002111837	0.00048686
2082 Aug	0.001162105	0.110325128	1.03471E-05	5.700982094	5.665419579	0.063140757	0.002318516	7.128209114	0.003253046	0.010729183	0.000485325	0.000686209	0.000293365	0.276508242	6.97975E-06	0.001065684	0.00071793	0.002165388	0.000564459
2082 Sep	0.001198386	0.110128336	1.04008E-05	6.066240788	5.968959808	0.0653117	0.002470418	7.417874336	0.003428929	0.010824606	0.000502198	0.000724125	0.000311289	0.292974144	7.28833E-06	0.001149447	0.000723238	0.002180432	0.000610174
2082 Oct	0.001191235	0.107546397	1.02236E-05	6.03755331	5.925534248	0.063930951	0.002490839	7.369468689	0.003395285	0.010730113	0.000488563	0.000712674	0.000309464	0.290971398	7.29437E-06	0.0011457	0.000698308	0.002118324	0.000608768
2082 Nov	0.00119645	0.107532673	1.02321E-05	6.089372635	5.968440533	0.064240545	0.002519905	7.411924839	0.003417835	0.010755427	0.000490473	0.000717518	0.000312163	0.293188691	7.36562E-06	0.001156601	0.000698754	0.002119869	0.000615008
2082 Dec	0.001198184	0.107543685	1.0235E-05	6.106750011	5.983073235	0.064354651	0.002526295	7.425563812	0.003426507	0.010759646	0.000491433	0.000719452	0.000313004	0.293986708	7.37784E-06	0.00116066	0.000699285	0.002121073	0.000617197
2083 Jan	0.001198416	0.107554056	1.02359E-05	6.111655235	5.987009525	0.064406134	0.002533147	7.429743767	0.00342731	0.010765615	0.000491515	0.000719726	0.000313375	0.294126302	7.40092E-06	0.001161068	0.000699402	0.002121397	0.000617641
2083 Feb	0.00119867	0.10758134	1.02379E-05	6.115681171	5.990395069	0.064455956	0.002539211	7.433635235	0.003427893	0.010772196	0.000491601	0.000719935	0.000313693	0.294237226	7.42191E-06	0.001161297	0.000699596	0.002121914	0.000617966
2083 Mar	0.00119918	0.1076269	1.02422E-05	6.122221947	5.995889664	0.06452994	0.002548007	7.439953804	0.003429234	0.010782786	0.000491781	0.000720346	0.000314184	0.294433504	7.45208E-06	0.001161819	0.000699925	0.002122964	0.000618525
2083 Apr	0.001201681	0.107849441	1.02635E-05	6.138943195	6.011322975	0.064709738	0.002560985	7.4585886	0.003436295	0.010811244	0.000492775	0.00072196	0.000315195	0.295119345	7.49443E-06	0.001164284	0.000701408	0.002127553	0.000620117
2083 May	0.001226148	0.115355365	1.02936E-05	6.112423897	6.107981205	0.068775199	0.002492258	7.628920078	0.003448041	0.010903556	0.000532219	0.000717167	0.000314354	0.298128128	7.29579E-06	0.001150161	0.000744064	0.00212742	0.000610305
2083 Jun	0.001158196	0.125491172	9.95614E-06	5.137434483	5.475166798	0.069408379	0.001967004	7.106773376	0.003014605	0.010534932	0.000551912	0.000612123	0.000266496	0.261171728	6.03106E-06	0.000922182	0.000788662	0.002043169	0.000482112
2083 Jul	0.001200226	0.123870119	1.00905E-05	5.646861076	5.863197803	0.071541272	0.002189891	7.443927288	0.003257876	0.010676147	0.000567416	0.00067055	0.00029173	0.28274104	6.54132E-06	0.001039981	0.000793388	0.002094906	0.000547522
2083 Aug	0.001294541	0.122623689	1.0194E-05	6.612783909	6.652496338	0.076728933	0.002505681	8.160250664	0.003747326	0.010767923	0.000614785	0.000777551	0.000337143	0.327100009	7.04941E-06	0.001275237	0.000803266	0.002133594	0.000673062
2083 Sep	0.001332973	0.120670386	1.01627E-05	7.025869846	6.981093884	0.078247435	0.00263725	8.453033447	0.003954379	0.010762197	0.000628614	0.000820938	0.000355738	0.346074671	7.20174E-06	0.001380197	0.000798112	0.002126693	0.00072836
2083 Oct	0.001314185	0.117597304	1.00265E-05	6.835683823	6.793073177	0.075126246	0.00259403	8.279877663	0.003844475	0.010693978	0.000599899	0.000791169	0.000345439	0.336524457	7.06832E-06	0.001340752	0.000762749	0.002058439	0.000706891
2083 Nov	0.001307383	0.116532467	9.98925E-06	6.742544651	6.705711842	0.073726401	0.002561713	8.204159737	0.003795853	0.010677872	0.000587597	0.000777547	0.000340204	0.332127362	6.96923E-06	0.001321988	0.000748301	0.002031656	0.000696174
2083 Dec	0.00130863	0.116531342	9.9912E-06	6.757026672	6.717615604	0.073825598	0.002570117	8.215424538	0.003802047	0.01068379	0.00058823	0.000778985	0.000340983	0.332736105	6.99112E-06	0.001324957	0.000748627	0.002032512	0.000697912
2084 Jan	0.0013087	0.116538428	9.99172E-06	6.761427402	6.721000671	0.073878117	0.002578479	8.219182968	0.003802031	0.010690945	0.000588205	0.000779111	0.000341373	0.332822204	7.02036E-06	0.001325011	0.000748689	0.002032748	0.000698241
2084 Feb	0.001308826	0.11655511	9.99263E-06	6.76602602	6.72467041	0.073936179	0.002586736	8.223285675	0.003802192	0.010698345	0.000588227	0.000779273	0.000341771	0.332923025	7.04922E-06	0.001325114	0.000748823	0.002033093	0.000698589
2084 Mar	0.001309384	0.116605736	9.99694E-06	6.772987366	6.73058939	0.074016415	0.002595899	8.230083466	0.003803673	0.010709294	0.000588442	0.000779711	0.000342288	0.333137304	7.08051E-06	0.001325693	0.000749182	0.002034139	0.000699189
2084 Apr	0.001313507	0.116970919	1.00285E-05	6.798557281	6.754919052	0.074297942	0.002612331	8.259343147	0.003815547	0.010749506	0.000590257	0.000782287	0.000343749	0.33426258	7.13172E-06	0.001329908	0.000751569	0.002040738	0.000701713
2084 May	0.001318876	0.127148181	1.00623E-05	6.492485523	6.655983925	0.078106821	0.002444099	8.279479027	0.003690694	0.010860376	0.000627579	0.000745603	0.000330224	0.325437874	6.77815E-06	0.001243631	0.000803126	0.00203289	0.000653194
2084 Jun	0.001215247	0.136021197	9.78725E-06	5.244664192	5.760202408	0.076274008	0.001913999	7.508603096	0.003094484	0.010566586	0.000619254	0.000609279	0.000271401	0.273395836	5.71448E-06	0.000940054	0.000835051	0.00196054	0.000488049
2084 Jul	0.001260621	0.135638744	9.97504E-06	5.757342339	6.164316654	0.079093628	0.002179736	7.882565498	0.003329025	0.010812539	0.00063757	0.000665746	0.000298109	0.294805437	6.40159E-06	0.00104994	0.000846622	0.002022421	0.000550936
2084 Aug	0.001360959	0.135490954	1.01313E-05	6.763028622	7.003246784	0.085172847	0.002495321	8.653324127	0.003847199	0.010961869	0.000692351	0.000780161	0.000345344	0.341644049	6.89577E-06	0.001293776	0.000871663	0.002086377	0.000680492
2084 Sep	0.001387442	0.133414641	1.01144E-05	7.094104767	7.256749153	0.08625862	0.002624541	8.87598896	0.004005368	0.010952779	0.000700585	0.000814205	0.000360968	0.356191516	7.11538E-06	0.00137482	0.000864554	0.002083511	0.000724426
2084 Oct	0.001377869	0.130795851	1.00314E-05	7.01345253	7.160915852	0.08410091	0.002604526	8.779583931	0.003957456	0.010899741	0.000681235	0.000800583	0.000355976	0.351803631	7.02551E-06	0.001361751	0.000839399	0.002042614	0.000716888
2084 Nov	0.001373863	0.129965842	1.00091E-05	6.971607685	7.116728306	0.083270624	0.002594163	8.738414764	0.003933807	0.010889406	0.000673682	0.000794142	0.000353602	0.349638999	6.99168E-06	0.00135559	0.000830404	0.002028409	0.00071234
2084 Dec	0.001374983	0.129977778	1.00116E-05	6.982931614	7.126232147	0.083347633	0.002599401	8.747507095	0.003939138	0.010893822	0.000674256	0.000795343	0.000354177	0.350141019	7.00386E-06	0.001356074	0.000830742	0.002029269	0.000713727
2085 Jan	0.001375557	0.129974708	1.00119E-05	6.990340233	7.132314682	0.083401717	0.002603988	8.753154755	0.003942177	0.01089637	0.000674569	0.000796064	0.000354583	0.350447714	7.01613E-06	0.001357554	0.000830913	0.002029609	0.000714613
2085 Feb	0.00137575	0.129989386	1.00128E-05	6.994767666	7.135906219	0.083452731	0.002610614	8.757036209	0.003942766	0.010902275	0.000674639	0.000796291	0.000354931	0.35056746	7.03878E-06	0.001357845	0.000831052	0.002029947	0.000714994
2085 Mar	0.001375974	0.130009934	1.00145E-05	6.999956608	7.140073299	0.083513342	0.002618987	8.761687279	0.003943289	0.010910361	0.000674708	0.000796532	0.000355355	0.350696564	7.06779E-06	0.001358093	0.000831219	0.002030469	0.000715414
2085 Apr	0.001378267	0.130224854	1.00313E-05	7.015064716	7.154508591	0.08369159	0.002630078	8.778998375	0.003949771	0.010933876	0.000675797	0.000797956	0.000356259	0.351342201	7.10314E-06	0.001360386	0.000832625	0.00203402	0.000716867
2085 May	0.001379525	0.137520567	1.00574E-05	6.768346786	7.060066223	0.086223304	0.002497419	8.770851135	0.003847598	0.01100985	0.000701007	0.000769016	0.000345192	0.343766689	6.82515E-06	0.001292413	0.000869127	0.00202865	0.000678669
2085 Jun	0.001352695	0.148708493	9.99695E-06	6.164073944	6.728023529	0.089200959	0.002261202	8.579036713	0.003559123	0.011064265	0.000729203	0.000697095	0.000318908	0.321052611	6.43486E-06	0.001127683	0.000921204	0.001998588	0.000590025
2085 Jul	0.001425145	0.150228113	1.02232E-05	6.851997375	7.310165405	0.09403386	0.002560419	9.143209457	0.003892359	0.011366199	0.000766875	0.000772048	0.000353629	0.351886988	7.12843E-06	0.001279279	0.000945495	0.002065698	0.000674061
2085 Aug	0.001512927	0.147186503	1.02606E-05	7.829758167	8.093132973	0.098597616	0.002837064	9.825781822	0.004398961	0.011333098	0.000810868	0.000883958	0.000398231	0.397104502	7.45405E-06	0.001526659	0.000951878	0.002101257	0.000804621
2085 Sep	0.001520543	0.142460212	1.01599E-05	8.03865242	8.211550713	0.097483866	0.002935451	9.903422356	0.00448732	0.011235331	0.000799242	0.000902199	0.000407418	0.405060649	7.59735E-06	0.001583282	0.000922796	0.002068302	0.000835661
2085 Oct	0.001510613	0.139511302	1.00713E-05	8.002491951	8.145546913	0.0956067	0.002953175	9.825139046	0.004453872	0.011185782	0.000780951	0.000893781	0.000405239	0.402120054	7.62812E-06	0.001578027	0.000899024	0.002034318	0.000833537
2085 Nov	0.001502786	0.138110369	1.00261E-05	7.942812443	8.079427719	0.094387837	0.002933568	9.755758286	0.00442102	0.011145563	0.00077029	0.000885613	0.000401796	0.398999989	7.56435E-06	0.001567358	0.000886505	0.002015393	0.00082752
2085 Dec	0.001503516	0.13810353	1.00273E-05	7.951488495	8.086450577	0.094443358	0.002938853	9.76239872	0.004424647	0.011149379	0.000770618	0.00088646	0.000402267	0.399357945	7.57835E-06	0.001569117	0.000886649	0.002015889	0.000828562
2086 Jan	0.001503609	0.138106376	1.00277E-05	7.95602417	8.089918137	0.094493121	0.002946757	9.766127586	0.004424858	0.011155945	0.000770601	0.00088663	0.000402649	0.399457395	7.60568E-06	0.001569284	0.000886702	0.002016125	0.00082893
2086 Feb	0.00150367	0.138117254	1.00283E-05	7.960163116	8.093149185	0.094545767	0.002954687	9.76971817	0.004424825	0.011162739	0.000770587	0.000886751	0.000403019	0.399538368	7.63354E-06	0.001569314	0.000886798	0.002016387	0.000829233
2086 Mar	0.001503977	0.138145328	1.00304E-05	7.965814114	8.097791672	0.094612204	0.002963231	9.774927139	0.004425599	0.01117135	0.000770699	0.000887041	0.000403467	0.399690956	7.66297E-06	0.001569654	0.000887014	0.002016997	0.000829702
2086 Apr	0.001507388	0.138456181	1.00534E-05	7.988264561	8.11937809	0.094876073	0.002978484	9.800533295	0.004435534	0.011203484	0.0007724	0.00088918	0.000404778	0.400675565	7.71025E-06	0.001573257	0.000889052	0.002021801	0.000831917
2086 May	0.001515068	0.141293019	1.01226E-05	7.95276165	8.128471375	0.096037403	0.002954472	9.843697548	0.004426383	0.011290979	0.000783055	0.000885088	0.000403429	0.400249898	7.67256E-06	0.001560274	0.000904376	0.002033282	0.000824411
2086 Jun	0.001333687	0.139322415	9.86716E-06	6.286580086	6.699453831	0.084863178	0.002262059	8.43752861	0.003622764	0.01076429	0.000694294	0.000717204	0.000321464	0.323837578	6.27068E-06	0.001182714	0.000872474	0.001982674	0.000618425
2086 Jul	0.001344675	0.136015072	1.00541E-05	6.554773331	6.848417282	0.084315568	0.00242113	8.531607628	0.003741256	0.010908628	0.000684694	0.000752613	0.000335294	0.332795262	6.72903E-06	0.001243543	0.000865611	0.00205002	0.000654335
2086 Aug	0.001451651	0.134939268	1.01864E-05	7.659514904	7.758671284	0.090568215	0.002765923	9.356232643	0.004308473	0.011020089	0.000741672	0.000877919	0.000386964	0.383988619	7.25317E-06	0.001513676	0.000886394	0.002109861	0.000798282
2086 Sep	0.001471059	0.131312832	1.01314E-05	7.956415176	7.965779781	0.090642855	0.002889167	9.530096054	0.004445063	0.010955607	0.000740543	0.000906017	0.000400669	0.396490991	7.44644E-06	0.001588916	0.00086599	0.002088722	0.000839283
2086 Oct	0.001476696	0.130379796	1.01206E-05	8.022694588	8.009888649	0.09046749	0.002930584	9.570254326	0.004471059	0.010977016	0.000737708	0.000910927	0.000403786	0.39903149	7.53202E-06	0.001604743	0.000859072	0.002080407	0.00084824
2086 Nov	0.001480035	0.13050881	1.01341E-05	8.049803734	8.033712387	0.090675287	0.002941986	9.59475708	0.004484581	0.010994364	0.000739331	0.000913858	0.000405142	0.40027827	7.55819E-06	0.001610642	0.000860349	0.002083662	0.00085147
2086 Dec	0.001481195	0.130511552	1.01362E-05	8.063759804	8.04516983	0.090775341	0.002950692	9.605626106	0.004490362	0.01100068	0.00073994	0.000915227	0.000405912	0.400854111	7.58183E-06	0.001613403	0.0008607	0.002084591	0.000853126
2087 Jan	0.001481343	0.130513698	1.01367E-05	8.069101334	8.049273491	0.090830751	0.002959162	9.609938622	0.004490886	0.011007629	0.000739966	0.000915478	0.000406342	0.400985003	7.6108E-06	0.001613721	0.000860773	0.002084902	0.000853588
2087 Feb	0.001481563	0.130534127	1.01384E-05	8.074398994	8.053527832	0.090893015	0.002967756	9.614676476	0.004491399	0.01101581	0.000740032	0.000915719	0.000406777	0.401116163	7.64059E-06	0.001613969	0.000860941	0.00208541	0.000854017
2087 Mar	0.001482296	0.130597547	1.01436E-05	8.082435608	8.060493469	0.090984322	0.002977194	9.622636795	0.004493495	0.011027654	0.000740355	0.000916283	0.000407345	0.401385367	7.67233E-06	0.00161479	0.000861394	0.00208665	0.000854741
2087 Apr	0.001484008	0.130745694	1.01555E-05	8.095986366	8.072892189	0.091136575	0.00298888	9.63705349	0.004498573	0.011046989	0.000741165	0.000917462	0.000408198	0.401923209	7.71011E-06	0.001616691	0.00086241	0.002089283	0.000856048

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 May	0.001475635	0.135566667	1.01623E-05	7.839132309	7.931480408	0.092208199	0.002873315	9.559383392	0.004382376	0.011089154	0.000752317	0.000887622	0.00039649	0.392499954	7.48642E-06	0.001548894	0.000883924	0.00208034	0.000818605
2087 Jun	0.001383874	0.147118196	1.00057E-05	6.549918652	7.033763885	0.090982959	0.002334467	8.834410667	0.003770326	0.01096463	0.000748581	0.000744282	0.000335939	0.339355677	6.43633E-06	0.001229845	0.000924733	0.002017545	0.000644149
2087 Jul	0.001423119	0.147523969	1.01756E-05	6.948025227	7.355528831	0.09343753	0.00255829	9.148245811	0.003947665	0.011202657	0.000764232	0.000785591	0.000357197	0.355934232	7.04031E-06	0.00131141	0.000933324	0.002061646	0.000691778
2087 Aug	0.001517108	0.148276091	1.03768E-05	7.868100166	8.128767014	0.099387988	0.002887966	9.874317169	0.004411338	0.01143912	0.000814929	0.000888523	0.000401614	0.39824304	7.66692E-06	0.001526835	0.000960285	0.002131294	0.00080834
2087 Sep	0.001557808	0.147876337	1.04574E-05	8.279937744	8.465815544	0.101630419	0.003056701	10.19227505	0.004611328	0.011560177	0.000832282	0.000932418	0.000421663	0.41667068	8.00948E-06	0.001622144	0.000966125	0.002154854	0.000860532
2087 Oct	0.001555436	0.146319151	1.04229E-05	8.282464027	8.448560715	0.100717396	0.003078634	10.17037678	0.004603327	0.011554601	0.000822888	0.000929844	0.000421597	0.416032553	8.05634E-06	0.001623913	0.00095331	0.002138081	0.000861977
2087 Nov	0.001551884	0.145672739	1.04078E-05	8.246630669	8.411111832	0.100043915	0.003064526	10.13385105	0.004585008	0.011541128	0.0008171	0.000925052	0.000419495	0.414253443	8.01169E-06	0.001617419	0.00094677	0.002128708	0.000858179
2087 Dec	0.001553543	0.145661637	1.04095E-05	8.26462841	8.425989151	0.100155294	0.003071523	10.14738178	0.004593797	0.011544446	0.000818015	0.000927039	0.000420373	0.415066689	8.02554E-06	0.001621617	0.000947208	0.002129756	0.000860476
2088 Jan	0.001553923	0.14566499	1.04104E-05	8.271781921	8.431679726	0.100220017	0.003079732	10.15309429	0.004595526	0.011550964	0.000818173	0.00092754	0.000420866	0.41529724	8.05219E-06	0.001622492	0.00094735	0.00213019	0.0008612
2088 Feb	0.001554013	0.14567551	1.0411E-05	8.275362015	8.434511185	0.100264072	0.003086107	10.15622139	0.004595663	0.011556542	0.000818184	0.00092767	0.000421173	0.415375918	8.07442E-06	0.001622585	0.000947443	0.00213044	0.000861476
2088 Mar	0.001554807	0.145749375	1.04165E-05	8.283535957	8.441738129	0.100360893	0.003095486	10.1645565	0.004597881	0.01156873	0.000818556	0.00092825	0.000421748	0.415657073	8.10594E-06	0.001623431	0.000947957	0.002131734	0.000862209
2088 Apr	0.001561591	0.146391883	1.0462E-05	8.323166847	8.481247902	0.100844815	0.003116245	10.21188164	0.004617711	0.011625133	0.000822083	0.000932369	0.000423913	0.417528689	8.16693E-06	0.001630464	0.000952154	0.002141189	0.000866211
2088 May	0.001576912	0.148261666	1.05603E-05	8.393159866	8.561654091	0.102040619	0.003145033	10.31446648	0.004656513	0.011744437	0.000830397	0.000939706	0.000427551	0.421247274	8.25052E-06	0.001642426	0.000963594	0.002160506	0.000872662
2088 Jun	0.00139107	0.137203172	1.03618E-05	6.958962917	7.180380821	0.086759187	0.002592664	8.865843773	0.003946498	0.011200289	0.000701586	0.000800037	0.000355484	0.35057041	7.15911E-06	0.001331738	0.000882461	0.002127847	0.00070398
2088 Jul	0.001390603	0.135721296	1.0551E-05	7.021682739	7.18676424	0.085816592	0.002666357	8.855724335	0.003968633	0.01135993	0.000689271	0.000811371	0.000359426	0.351123303	7.44185E-06	0.001341937	0.000879636	0.00218349	0.000711799
2088 Aug	0.001498805	0.138051584	1.08521E-05	8.006437302	8.032648087	0.092731632	0.003002643	9.67029953	0.004475329	0.011694869	0.000748795	0.000923045	0.000406769	0.397127807	8.06998E-06	0.001571513	0.00091852	0.002276696	0.000835231
2088 Sep	0.001527566	0.138137534	1.09261E-05	8.290868759	8.268762589	0.094486356	0.003135794	9.900317192	0.00460901	0.011811071	0.000761399	0.000952365	0.000421147	0.409676254	8.37617E-06	0.001634073	0.000924063	0.002295736	0.000870268
2088 Oct	0.001495596	0.134212241	1.07448E-05	8.013484001	7.996162415	0.09047354	0.003053411	9.631606102	0.004456074	0.011669541	0.000725838	0.000914373	0.000406408	0.395900518	8.15295E-06	0.001576811	0.000883295	0.002220503	0.000838938
2088 Nov	0.001489285	0.13346234	1.07181E-05	7.946156025	7.931964397	0.089535564	0.003033168	9.572511673	0.004419922	0.011653657	0.000717456	0.000905104	0.000402822	0.392611682	8.10026E-06	0.001562551	0.000874146	0.002204688	0.000831058
2088 Dec	0.00149057	0.133472398	1.07207E-05	7.959186077	7.94289732	0.089622512	0.003038716	9.582838058	0.004426194	0.011657885	0.000718136	0.000906513	0.000403472	0.393196911	8.11237E-06	0.001565484	0.000874532	0.00220563	0.000832683
2089 Jan	0.001490682	0.133479327	1.07213E-05	7.963010311	7.945885658	0.089665592	0.003045192	9.586102486	0.004426446	0.01166351	0.000718144	0.000906665	0.00040379	0.393285573	8.13474E-06	0.001565643	0.0008746	0.002205863	0.000832994
2089 Feb	0.001490827	0.133496702	1.07223E-05	7.967030525	7.949133396	0.089715913	0.003052112	9.589755058	0.004426698	0.011669978	0.000718181	0.000906824	0.00040413	0.39337939	8.15887E-06	0.001565769	0.000874734	0.002206214	0.000833304
2089 Mar	0.001491763	0.133580893	1.07291E-05	7.975489616	7.956700325	0.08981318	0.003060892	9.598557472	0.004429352	0.011682779	0.000718597	0.000907483	0.000404699	0.39368692	8.18809E-06	0.001566762	0.000875314	0.002207759	0.000834083
2089 Apr	0.001495872	0.133949354	1.07588E-05	8.000988007	7.981248379	0.090102404	0.00307633	9.627838135	0.004441423	0.011720554	0.00072054	0.000910074	0.000406136	0.394833148	8.23525E-06	0.001571087	0.000877757	0.002214005	0.000836641
2089 May	0.001485825	0.140599459	1.07452E-05	7.664315224	7.803799152	0.091779947	0.002914995	9.535513878	0.004291478	0.011752302	0.000738135	0.000870727	0.000390662	0.38287732	7.902E-06	0.001482845	0.000907781	0.002196876	0.000787461
2089 Jun	0.001428319	0.155405268	1.05447E-05	6.626749992	7.1764884	0.094391108	0.002469405	9.101353645	0.003802302	0.011671295	0.000767976	0.000749584	0.000343275	0.343031406	7.02506E-06	0.001215717	0.000970203	0.00212191	0.000641096
2089 Jul	0.001502908	0.155855253	1.07343E-05	7.36011982	7.784859657	0.09891279	0.002748219	9.671409607	0.004167461	0.011892351	0.000805709	0.0008315	0.00037902	0.376225293	7.5951E-06	0.00138565	0.000989334	0.002182687	0.000734023
2089 Aug	0.00159038	0.156104967	1.0914E-05	8.215957642	8.497335434	0.104097314	0.003040495	10.33418369	0.004602408	0.012082465	0.000851193	0.000927722	0.000419834	0.415614545	8.11944E-06	0.001589236	0.001009855	0.002242744	0.000843889
2089 Sep	0.001623363	0.154449672	1.09212E-05	8.578886986	8.782176018	0.105402119	0.003157791	10.58481121	0.004785351	0.012097381	0.000862929	0.000967433	0.000436318	0.432080746	8.27547E-06	0.001680816	0.001007439	0.002249	0.00089272
2089 Oct	0.001604392	0.148613915	1.0713E-05	8.533372879	8.676683426	0.102036975	0.003171488	10.44190693	0.004740586	0.011930183	0.000832038	0.000955979	0.000432749	0.428012669	8.24053E-06	0.001680451	0.000963943	0.002182226	0.000892979
2089 Nov	0.001604817	0.148137406	1.07079E-05	8.54894352	8.683013916	0.101860218	0.003194384	10.44771767	0.004742137	0.011945214	0.000829301	0.000956188	0.000433705	0.428306073	8.30626E-06	0.001682961	0.00096003	0.002178058	0.000894939
2089 Dec	0.001606041	0.148155719	1.07109E-05	8.561281204	8.693407059	0.101947203	0.003200359	10.4577446	0.004747874	0.011950547	0.000829935	0.000957485	0.000434341	0.428849578	8.32067E-06	0.001685616	0.000960428	0.002179063	0.000896444
2090 Jan	0.001606359	0.148171842	1.07123E-05	8.566121101	8.697395325	0.101996228	0.003206152	10.46199322	0.00474901	0.011956098	0.000830062	0.000957809	0.000434682	0.429005265	8.3398E-06	0.001686145	0.000960586	0.002179486	0.000896907
2090 Feb	0.001606606	0.148196816	1.07141E-05	8.571095467	8.701480865	0.102056578	0.003213983	10.46658993	0.004749583	0.011963827	0.000830147	0.000958046	0.000435084	0.429134667	8.36689E-06	0.001686399	0.000960776	0.002179993	0.000897311
2090 Mar	0.001607371	0.148266137	1.07193E-05	8.57911396	8.708530426	0.102150276	0.003223235	10.47468948	0.004751733	0.01197568	0.000830499	0.000958612	0.000435647	0.42940864	8.39796E-06	0.001687229	0.000961261	0.00218123	0.000898034
2090 Apr	0.001610038	0.148509845	1.07373E-05	8.597252846	8.725842476	0.102363579	0.003236225	10.49513245	0.004759514	0.012001674	0.000831833	0.000960314	0.000436724	0.430189878	8.43869E-06	0.001690061	0.000962877	0.002185058	0.000899818
2090 May	0.001620758	0.150053084	1.07883E-05	8.649290085	8.789581299	0.103457399	0.003256845	10.57355118	0.004787738	0.012072983	0.000841018	0.000965705	0.000439635	0.433078974	8.49748E-06	0.001698677	0.000973056	0.0021966	0.000904586
2090 Jun	0.001430562	0.146969363	1.0331E-05	6.957793713	7.343348503	0.092170879	0.002503447	9.124678612	0.003979005	0.011315045	0.000755628	0.000795048	0.000355205	0.356590152	6.83719E-06	0.001324759	0.000935746	0.002104609	0.000697954
2090 Jul	0.001458615	0.145030156	1.04872E-05	7.320434093	7.601799011	0.093006015	0.002645995	9.335704803	0.004159957	0.011428694	0.000761427	0.00084045	0.000372547	0.371624082	7.15183E-06	0.001412351	0.0009376	0.00216126	0.000746269
2090 Aug	0.001518377	0.139741287	1.04369E-05	8.081224442	8.177669525	0.095179029	0.002868254	9.820529938	0.004546185	0.011274714	0.000783202	0.000923792	0.000406829	0.405973762	7.38543E-06	0.001609385	0.000919134	0.002156069	0.000851259
2090 Sep	0.001518666	0.135006383	1.03005E-05	8.204257965	8.22682476	0.093513072	0.002940572	9.836517334	0.00458899	0.011163987	0.000766701	0.000931102	0.000411838	0.410026968	7.47707E-06	0.001645658	0.000886356	0.002109144	0.000871516
2090 Oct	0.001480526	0.129859224	1.01128E-05	7.915982246	7.923859119	0.08878953	0.002929562	9.539298058	0.004405193	0.01108832	0.000719834	0.000887345	0.000397953	0.394026369	7.51591E-06	0.001578365	0.000835046	0.002026367	0.000837592
2090 Nov	0.001468435	0.128258839	1.00514E-05	7.827491283	7.830705643	0.087352596	0.002926118	9.446827888	0.004348611	0.011060391	0.000705588	0.00087399	0.000393709	0.389109105	7.5279E-06	0.001557726	0.000819405	0.002000767	0.000827217
2090 Dec	0.001469903	0.128260344	1.00538E-05	7.842144012	7.84294939	0.087442815	0.00293143	9.45821476	0.004355941	0.011063896	0.000706349	0.000875617	0.000394412	0.389781117	7.53773E-06	0.001561181	0.000819787	0.002001716	0.000829093
2091 Jan	0.001470437	0.128264666	1.00545E-05	7.849063873	7.848668098	0.087497853	0.002936393	9.463693619	0.004358581	0.01106736	0.000706627	0.000876255	0.000394809	0.390057594	7.55192E-06	0.001562451	0.000819974	0.002002103	0.000829894
2091 Feb	0.001470621	0.128275186	1.0055E-05	7.854093075	7.852691174	0.087554157	0.002943875	9.467928886	0.004359239	0.011073524	0.000706696	0.000876515	0.000395202	0.390192896	7.57738E-06	0.001562802	0.000820106	0.002002412	0.000830337
2091 Mar	0.001471822	0.128380299	1.00633E-05	7.864554405	7.862121582	0.087673403	0.002954228	9.478899956	0.004362679	0.011088875	0.000707235	0.000877342	0.000395892	0.390583813	7.61146E-06	0.001564102	0.000820816	0.002004242	0.000831317
2091 Apr	0.001476525	0.128789335	1.00956E-05	7.893868923	7.890330791	0.088001519	0.002971888	9.512497902	0.004376498	0.011130891	0.000709452	0.000880263	0.000397537	0.391905546	7.66463E-06	0.001569127	0.000823469	0.002010868	0.000834287
2091 May	0.001482999	0.132683113	1.01639E-05	7.822078705	7.884397984	0.08960367	0.002944128	9.553115845	0.00434695	0.011238656	0.000723416	0.000871236	0.000395007	0.390077651	7.64804E-06	0.001543892	0.000844229	0.002021597	0.000820597
2091 Jun	0.001377953	0.140460104	9.99742E-06	6.598575592	6.977691174	0.086904436	0.002424924	8.752152443	0.00376635	0.011006024	0.000707276	0.000742745	0.000337139	0.338062018	6.63982E-06	0.001247955	0.000874113	0.001985013	0.000658422
2091 Jul	0.001450512	0.141992152	1.02761E-05	7.290613651	7.55885458	0.091643639	0.002723096	9.313415527	0.004105209	0.011345776	0.000743806	0.000820472	0.000371987	0.368940949	7.34036E-06	0.001400624	0.000901882	0.002070056	0.000743528
2091 Aug	0.001525956	0.139222607	1.0319E-05	8.128821373	8.228404045	0.095456272	0.002962105	9.901702881	0.004539207	0.011316223	0.00078034	0.000915559	0.000410248	0.407664418	7.6234E-06	0.001612461	0.000904888	0.002098336	0.000856258
2091 Sep	0.001541584	0.136071354	1.0291E-05	8.393187523	8.410498619	0.095628396	0.003093495	10.05660534	0.004654696	0.011283242	0.000778743	0.000940088	0.000423158	0.418358207	7.88927E-06	0.001675778	0.000887484	0.002085606	0.000892072
2091 Oct	0.001524985	0.132773459	1.01754E-05	8.284651756	8.281236649	0.093053728	0.003081217	9.918543816	0.004585408	0.011209414	0.000754795	0.000923003	0.000417165	0.412124068	7.84371E-06	0.001655164	0.000858477	0.002040027	0.000881261
2091 Nov	0.001502495	0.130329564	1.00941E-05	8.067509651	8.071350098	0.090074413	0.003013053	9.717262268	0.004469992	0.011147998	0.00072839	0.000894897	0.00040568	0.401419759	7.67521E-06	0.001609348	0.000831459	0.00199719	0.000855937
2091 Dec	0.001502854	0.130260795	1.00948E-05	8.06969738	8.072312355	0.090029292	0.003014397	9.718466759	0.004470884	0.011150548	0.000727943	0.000894968	0.000405747	0.401495099	7.67662E-06	0.001610004	0.000830776	0.001996501	0.000856275
2092 Jan	0.001503822	0.130259395	1.00953E-05	8.080031395	8.080991745	0.090097405	0.003017983	9.726318359	0.004476053	0.011151704	0.0007285	0.000896127	0.000406239	0.40197286	7.68289E-06	0.001612465	0.000831074	0.001997028	0.000857613
2092 Feb	0.001504221	0.130284578	1.00965E-05	8.083694458	8.084328651	0.090135656	0.003020248	9.729795456	0.00447762	0.011154262	0.000728715	0.000896479	0.000406441	0.402133048	7.68927E-06	0.001613138	0.0008313	0.001997384	0.000858021
2092 Mar	0.001505661	0.130413875	1.01062E-05	8.092880249	8.093206406	0.09024252	0.003026187	9.740384102	0.004481796	0.01116742	0.000729398	0.000897362	0.000406967	0.402542233	7.70742E-06	0.001614652	0.000832133	0.001999355	0.000858939
2092 Apr	0.001509649	0.130760491	1.0133E-05	8.11669445	8.116422653	0.090510249	0.003038965	9.768113136	0.004493569	0.011200845	0.000731305	0.0008998	0.000408263	0.403649569	7.74459E-06	0.001618927	0.000834364	0.002004774	0.000861387
2092 May	0.001520833	0.135082603	1.01843E-05	8.08277607	8.151223183	0.092666328	0.00300263	9.844500542	0.004489469	0.011282612	0.000751664	0.000896146	0.000407183	0.404155046	7.6703E-06	0.00160481	0.000860092	0.002016132	0.000852958
2092 Jun	0.001322055	0.135243833	9.76001E-06	6.271060944	6.640991211	0.082601212	0.002207991	8.342842102	0.003624098	0.010572541	0.000677328	0.000716724	0.000318315	0.322838336	6.00946E-06	0.001194755	0.000847643	0.001952744	0.000627139
2092 Jul	0.001334737	0.130010173	9.8248E-06	6.652698517	6.866861343	0.082122087	0.002372036	8.468699455	0.003803752	0.010560337	0.000671204	0.000766981	0.000336484	0.337119967	6.37836E-06	0.001291577	0.000835823	0.002005933	0.000681783
2092 Aug	0.001421597	0.131140277	1.00357E-05	7.470314026	7.56098032	0.087536409	0.002647231	9.128499031	0.004223459	0.010786573	0.000718172	0.000859294	0.00037555	0.375198096	6.87107E-06	0.001484399	0.000862786	0.00207336	0.000785883
2092 Sep	0.001454851	0.129865155	1.00616E-05	7.861055374	7.871008396	0.089440756	0.002823754	9.412045479	0.004404983	0.010850533	0.000731722	0.000899422	0.000394948	0.392200977	7.24656E-06	0.001574051	0.000862576	0.002084171	0.000836161
2092 Oct	0.0014685	0.128448159	1.00311E-05	8.0570373	8.016892433	0.090049572	0.002941004	9.539079666	0.004484307	0.010884602	0.000733801	0.000917292	0.000405049	0.400058717	7.52475E-06	0.001617329	0.000856611	0.002077996	0.00086155
2092 Nov	0.00147256	0.128125265	1.00268E-05	8.104883194	8.053164482	0.090170182	0.002962363	9.571014404	0.004506203	0.010890073	0.000734526	0.000921982	0.0040731	0.402112424	7.56434E-06	0.00162891	0.000855219	0.002076701	0.000867958
2092 Dec	0.001473434	0.128149062	1.00299E-05	8.114021301	8.060850143	0.090242095	0.002968601	9.578788757	0.004509904	0.010896592	0.000734937	0.000922846	0.000407829	0.402485549	7.58219E-06	0.001630596	0.000855528	0.002077569	0.000869001
2093 Jan	0.001473827	0.128150821	1.00304E-05	8.119714737	8.065490723	0.090288661	0.002973384	9.583271027	0.004511842	0.010899995	0.000735133	0.000923333	0.000408174	0.402700156	7.59655E-06	0.001631545	0.000855661	0.00207787	0.000869639
2093 Feb	0.00147412	0.128168613	1.00317E-05	8.124796867	8.069673538	0.090343513	0.00297992	9.587723732	0.004512878	0.010906004	0.000735261	0.000923652	0.000408545	0.402856141	7.61843E-06	0.001632031	0.000855839	0.002078303	0.000870112
2093 Mar	0.001476432	0.128344566	1.00459E-05	8.142337799	8.085783005	0.090526484	0.002991687	9.605875969	0.004520488	0.010926723	0.000736406	0.000925354	0.000409557	0.403608084	7.65402E-06	0.001635007	0.000857133	0.002081512	0.000871948
2093 Apr	0.001480656	0.128706232	1.00745E-05	8.169188499	8.111517906	0.090823509	0.003006824	9.636047363	0.004533436	0.010962902	0.000738483	0.000928121	0.00041104	0.404831499	7.69878E-06	0.001639776	0.000859593	0.002087601	0.000874729
2093 May	0.001489333	0.132942617	1.01353E-05	8.1100673	8.122367859	0.09274178	0.002985802	9.696299553	0.004509265	0.01107551	0.000755094	0.000919829	0.000409262	0.403734148	7.69818E-06	0.00161654	0.000882309	0.002096188	0.000862213
2093 Jun	0.001345458	0.138496861	9.91384E-06	6.540758133	6.892611027	0.086463638	0.002369898	8.583080292	0.003745091	0.010776856	0.000706342	0.000751024	0.000334607	0.334527582	6.53908E-06	0.001240492	0.000886364	0.002029104	0.000656773
2093 Jul	0.001392877	0.138117969	1.01146E-05	7.035420418	7.283370018	0.088923104	0.002575567	8.941555023	0.003988669	0.010981685	0.000725148	0.000808359	0.000358985	0.355998278	7.08863E-06	0.001353861	0.000897392	0.002091653	0.000719862
2093 Aug	0.001461302	0.138809875	1.0286E-05	7.694076061	7.836420059	0.093182333	0.002826595	9.468314171	0.004316783	0.011185956	0.000760427	0.000880891	0.00039116	0.386031419	7.51865E-06	0.001505588	0.000915615	0.00214327	0.000803175
2093 Sep	0.001489487	0.137315959	1.02911E-05	8.011679649	8.084425926	0.094344087	0.002953362	9.690843582	0.004468862	0.011222202	0.000769242	0.00091378	0.000406156	0.400045753	7.74411E-06	0.001582466	0.00091185	0.002145606	0.000845331
2093 Oct	0.001467126	0.131806374	1.00784E-05	7.89781189	7.927726746	0.090625547	0.002947468	9.511536598	0.004388611	0.01106881	0.00073497	0.000892934	0.000399309	0.3929708	7.67492E-06	0.001564971	0.00086569	0.002068686	0.000836215
2093 Nov	0.001457533	0.129806072	1.00258E-05	7.808383465	7.829713821	0.088743247	0.002933639	9.418567657	0.004335002	0.011048791	0.000717364	0.000878712	0.000394378	0.388119489	7.63174E-06	0.001546901	0.000844849	0.002036944	0.000826402
2093 Dec	0.001458502	0.129826292	1.0029E-05	7.817067146	7.837097168	0.088802062	0.002937758	9.425974846	0.004339119	0.011053707	0.000717788	0.000879613	0.000394819	0.388505697	7.64152E-06	0.001548774	0.000845119	0.002037725	0.000827457
2094 Jan	0.001459102	0.129834786	1.003E-05	7.823865891	7.842815399	0.088854693	0.002941758	9.431460381	0.004342014	0.011056622	0.000718104	0.000880285	0.000395186	0.388794035	7.65211E-06	0.001550139	0.000845331	0.002038146	0.00082827
2094 Feb	0.001459347	0.129851356	1.00308E-05	7.827931881	7.846226692	0.08890035	0.002946807	9.435077667	0.004342894	0.011061139	0.000718216	0.000880545	0.000395478	0.388923615	7.6689E-06	0.001550548	0.000845491	0.002038452	0.000828653
2094 Mar	0.001460412	0.129946843	1.00382E-05	7.837357044	7.854725361	0.089009419	0.002956304	9.444950104	0.004345934	0.011075051	0.000718703	0.000881285	0.000396104	0.389272988	7.70029E-06	0.001551693	0.000846144	0.002040112	0.000829532

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Apr	0.001463241	0.130197838	1.00578E-05	7.85622263	7.872664452	0.089224316	0.002969289	9.466174126	0.004354239	0.011102322	0.000720056	0.000883094	0.000397206	0.390091777	7.74068E-06	0.001554719	0.000847811	0.002044255	0.000831413
2094 May	0.001460658	0.136559993	1.00535E-05	7.635146141	7.785098553	0.09161178	0.002875349	9.451128006	0.004253198	0.011163927	0.000742214	0.000856179	0.000388032	0.382816046	7.58814E-06	0.001490509	0.000880315	0.002036958	0.000796319
2094 Jun	0.001439215	0.150815129	1.00328E-05	6.984856606	7.458022118	0.095967904	0.002598908	9.291985512	0.00395324	0.011264676	0.000784077	0.000780254	0.000359831	0.359485596	7.11228E-06	0.001311358	0.000950847	0.002017569	0.000698137
2094 Jul	0.001535798	0.152979195	1.03268E-05	7.888159752	8.227934837	0.102383263	0.002958953	10.03525734	0.004401776	0.011633111	0.000836094	0.000880791	0.000404618	0.400650531	7.89622E-06	0.001514667	0.000986105	0.002108248	0.000810596
2094 Aug	0.001614819	0.156204626	1.06332E-05	8.549953461	8.81080246	0.107700117	0.003235925	10.62841225	0.004731002	0.012015622	0.000878275	0.000952826	0.000437992	0.431108177	8.53896E-06	0.00165817	0.001018631	0.002186362	0.000890286
2094 Sep	0.00163937	0.15409933	1.06283E-05	8.84595871	9.032036781	0.108354069	0.003353945	10.81973934	0.004871969	0.012035478	0.000882768	0.000983525	0.000451716	0.443916082	8.73934E-06	0.001731555	0.001010561	0.002185529	0.000930488
2094 Oct	0.001639705	0.149591595	1.04899E-05	8.98042202	9.090934753	0.10688711	0.00342274	10.83327389	0.004923003	0.011925965	0.000868798	0.000994694	0.000457188	0.448523462	8.82278E-06	0.001771442	0.000983063	0.002148821	0.000952692
2094 Nov	0.001619092	0.145644709	1.03599E-05	8.84828949	8.93392849	0.103798836	0.003380531	10.65948772	0.004848036	0.01180034	0.000841837	0.000976501	0.000449414	0.441326141	8.67566E-06	0.001749491	0.000950285	0.002100632	0.00094024
2094 Dec	0.001617984	0.145406216	1.03527E-05	8.843569756	8.926942825	0.103641823	0.003382642	10.651618	0.004844009	0.011796832	0.00084023	0.000975582	0.000449193	0.440979391	8.68246E-06	0.001748438	0.000948335	0.002097944	0.000939789
2095 Jan	0.001618839	0.145412415	1.03539E-05	8.853460312	8.935191154	0.103715047	0.003388222	10.65940952	0.004848286	0.011800563	0.000840684	0.000976577	0.000449721	0.441400588	8.69691E-06	0.00175047	0.00094862	0.002098542	0.00094099
2095 Feb	0.001619081	0.145433247	1.03549E-05	8.857881546	8.938891411	0.10376776	0.00339437	10.66343307	0.004849035	0.011806238	0.000840784	0.000976825	0.000450055	0.441530704	8.71776E-06	0.001750814	0.000948799	0.002098899	0.00094138
2095 Mar	0.001619896	0.145498037	1.03596E-05	8.86633873	8.946331978	0.103861943	0.003403088	10.6717453	0.004851602	0.011817016	0.000841176	0.000977471	0.00045062	0.441836923	8.7463E-06	0.001751858	0.000949286	0.002100054	0.000942192
2095 Apr	0.001624034	0.145846292	1.03851E-05	8.895075798	8.973558426	0.104183622	0.003421739	10.70319176	0.004864405	0.011853546	0.000843287	0.000980246	0.000452269	0.443101853	8.80257E-06	0.001756705	0.000951678	0.002105537	0.000945152
2095 May	0.001604499	0.151332825	1.03696E-05	8.540372849	8.758565903	0.105247825	0.003299166	10.56219196	0.004690072	0.011894655	0.00085275	0.000938335	0.000436966	0.428934515	8.63479E-06	0.001659979	0.000975636	0.002092803	0.00089308
2095 Jun	0.001573041	0.160655335	1.03902E-05	7.942597389	8.39345932	0.106891192	0.003084941	10.323452	0.004400942	0.011992676	0.000867707	0.00086916	0.000410945	0.405059576	8.33293E-06	0.001497823	0.001017027	0.002082425	0.000805399
2095 Jul	0.001667669	0.163405463	1.06968E-05	8.768493652	9.108475685	0.112917796	0.00338236	11.02460194	0.004823334	0.012344158	0.000918756	0.000962043	0.000451137	0.443502784	8.9336E-06	0.001686704	0.001052051	0.002168401	0.000908462
2095 Aug	0.001697832	0.160419032	1.06967E-05	9.171459198	9.404129982	0.113874383	0.003522764	11.26893044	0.005021194	0.012297304	0.000927422	0.001006173	0.00046984	0.461005867	9.15611E-06	0.001788391	0.001040459	0.002172604	0.000964073
2095 Sep	0.001717584	0.158198118	1.07158E-05	9.462813377	9.616170883	0.114674047	0.003679786	11.45753574	0.005147477	0.012332812	0.00093019	0.001034463	0.000484722	0.472798914	9.52372E-06	0.001853822	0.001031127	0.002176578	0.001002008
2095 Oct	0.001735423	0.156994537	1.07115E-05	9.716366768	9.809758186	0.115821913	0.00383118	11.62805557	0.005252145	0.012397524	0.000935965	0.001059211	0.000498129	0.483021766	9.90539E-06	0.001907977	0.001029481	0.002182433	0.001034188
2095 Nov	0.001720162	0.154039934	1.06435E-05	9.619974136	9.690509796	0.113456517	0.003833579	11.50325775	0.005187811	0.012364709	0.000912955	0.001044158	0.000493161	0.477117836	9.9252E-06	0.001887613	0.001003733	0.002150238	0.001023987
2095 Dec	0.001718243	0.153707683	1.06379E-05	9.604448318	9.673102379	0.113142237	0.003832145	11.48621559	0.005178357	0.012363183	0.000909937	0.001041885	0.000492357	0.476239204	9.9238E-06	0.001884248	0.001000529	0.002146375	0.001022226
2096 Jan	0.001719083	0.153709278	1.06389E-05	9.615407944	9.682088852	0.113225654	0.003839759	11.49473667	0.005182615	0.012368333	0.000910367	0.001042914	0.000492979	0.476678938	9.94531E-06	0.001886306	0.001000801	0.002147003	0.001023516
2096 Feb	0.001719632	0.153756991	1.06415E-05	9.620504379	9.686768532	0.113286555	0.003844331	11.49995518	0.005184379	0.012374168	0.000910644	0.001043329	0.0004933	0.476879925	9.95988E-06	0.001887013	0.001001153	0.002147648	0.00102402
2096 Mar	0.001720447	0.153834194	1.06467E-05	9.627815247	9.693451881	0.113375641	0.003851829	11.50771999	0.005186672	0.012384702	0.00091104	0.001043883	0.00049379	0.477151811	9.98465E-06	0.001887876	0.001001673	0.00214881	0.001024696
2096 Apr	0.00172437	0.154185534	1.06712E-05	9.653081894	9.718011856	0.113673158	0.003867239	11.536623	0.005198367	0.012418335	0.000913077	0.00104635	0.000495219	0.478296608	1.00307E-05	0.001892182	0.001003988	0.002153895	0.001027275
2096 May	0.001731573	0.156775996	1.06985E-05	9.645622253	9.749648094	0.115097843	0.003852864	11.59105492	0.005201233	0.012466199	0.000926243	0.001045624	0.000495309	0.479141504	1.00066E-05	0.001886286	0.001020264	0.002161759	0.001023815
2096 Jun	0.001421063	0.141828597	1.01697E-05	7.165401936	7.446662903	0.091751456	0.002768966	9.179074287	0.004009198	0.011301695	0.000739618	0.000806675	0.000369096	0.36137554	7.63534E-06	0.001357574	0.000908601	0.0020737	0.000729491
2096 Jul	0.001418698	0.137607694	1.03204E-05	7.324385166	7.493418217	0.090008065	0.002855284	9.161253929	0.004082735	0.011358784	0.000721946	0.000832786	0.000376642	0.365541637	7.8869E-06	0.001399254	0.000895977	0.002134655	0.000754019
2096 Aug	0.001481994	0.139814094	1.05722E-05	7.870975971	7.968281269	0.094193548	0.003095267	9.643759727	0.004350733	0.011672654	0.000754084	0.000891561	0.000404404	0.390361845	8.45616E-06	0.001516962	0.000919771	0.002197655	0.000820006
2096 Sep	0.001504357	0.136995941	1.05156E-05	8.157539368	8.177684784	0.094486438	0.00319326	9.818026543	0.004489701	0.011625966	0.000756638	0.000920568	0.000417056	0.402972907	8.56558E-06	0.001592072	0.000905875	0.002181072	0.000860501
2096 Oct	0.001491508	0.131986514	1.03373E-05	8.111793518	8.08420372	0.09136641	0.003206052	9.704731941	0.004446773	0.011509319	0.000727783	0.000907436	0.000413404	0.399283111	8.52462E-06	0.001590424	0.000863916	0.002112007	0.00085972
2096 Nov	0.001488194	0.131239265	1.03248E-05	8.071174622	8.041410446	0.090552777	0.003200484	9.66750145	0.004422783	0.011513732	0.000720047	0.000900838	0.000411187	0.397115111	8.5093E-06	0.001581798	0.000855008	0.002098973	0.000855002
2096 Dec	0.001488919	0.13123554	1.03261E-05	8.081228256	8.049487114	0.090626866	0.003208612	9.675294876	0.004426331	0.011519864	0.000720381	0.000901719	0.000411788	0.397495925	8.53339E-06	0.001583537	0.000855187	0.002099569	0.000856151
2097 Jan	0.001489281	0.131236807	1.03265E-05	8.087054253	8.054197311	0.090676479	0.003214123	9.679883957	0.004428107	0.011523821	0.000720555	0.000902185	0.000412158	0.397704661	8.55047E-06	0.00158442	0.000855312	0.002099859	0.000856787
2097 Feb	0.001489371	0.131244928	1.03268E-05	8.090852737	8.05719471	0.090721957	0.003220606	9.683111191	0.004428329	0.011529174	0.000720573	0.000902336	0.000412477	0.397792578	8.57292E-06	0.001584566	0.000855402	0.002100073	0.000857094
2097 Mar	0.001490016	0.131302282	1.03314E-05	8.098243713	8.063576698	0.090807185	0.003229716	9.690426826	0.004430107	0.011540345	0.000720845	0.000902829	0.00041301	0.398032814	8.60374E-06	0.001585262	0.000855808	0.002101174	0.000857751
2097 Apr	0.001494428	0.131689236	1.03622E-05	8.126642227	8.090706825	0.091126226	0.003247927	9.722605705	0.004443108	0.011581431	0.000722935	0.000905628	0.000414633	0.399289608	8.65954E-06	0.001589991	0.00085837	0.002107627	0.000860623
2097 May	0.001500094	0.135494366	1.04328E-05	8.049967766	8.078791618	0.092645697	0.003227177	9.758901596	0.00440831	0.011697735	0.000735581	0.000895444	0.000412053	0.39705199	8.67223E-06	0.001562561	0.000877849	0.002117455	0.00084596
2097 Jun	0.001405283	0.142121375	1.02968E-05	6.929229259	7.240866661	0.089729682	0.002762614	9.026177406	0.003873094	0.011504695	0.000716038	0.000775439	0.000359002	0.349092573	7.778E-06	0.001291156	0.000897599	0.002076449	0.000696224
2097 Jul	0.001467214	0.143875971	1.05658E-05	7.493020535	7.717423916	0.093719274	0.003024163	9.498823166	0.004144874	0.011838361	0.000745752	0.000837264	0.000387912	0.374022603	8.42857E-06	0.00141188	0.00092033	0.002149115	0.000764789
2097 Aug	0.001529363	0.144586578	1.0733E-05	8.089920044	8.218655586	0.097615831	0.003261661	9.979741096	0.004439497	0.012041763	0.000777312	0.000902397	0.000417341	0.401081651	8.93118E-06	0.001547718	0.00093683	0.002197275	0.000840174
2097 Sep	0.001557287	0.144654676	1.081E-05	8.382919312	8.459862709	0.099495448	0.003421971	10.21563721	0.004569645	0.01218024	0.000789392	0.000931581	0.000432792	0.413576126	9.33813E-06	0.001608822	0.000942409	0.002217814	0.000875893
2097 Oct	0.001556135	0.14273113	1.075E-05	8.435956001	8.480066299	0.098902188	0.003489868	10.22414207	0.004576119	0.012177451	0.000781028	0.000932952	0.000435864	0.414700836	9.51948E-06	0.001619318	0.000928646	0.002197981	0.000883453
2097 Nov	0.001550773	0.141670987	1.07087E-05	8.404872894	8.442029953	0.09813486	0.003486246	10.18214989	0.004555868	0.01214655	0.000773938	0.000927961	0.000434139	0.412896037	9.50409E-06	0.001613639	0.00091963	0.002183138	0.000880476
2097 Dec	0.001549459	0.141461536	1.06998E-05	8.395885468	8.432209969	0.097964838	0.003483471	10.17155075	0.004550768	0.0121385	0.000772452	0.000926721	0.000433637	0.412427008	9.49521E-06	0.001611989	0.000917812	0.002180027	0.000879556
2098 Jan	0.001550114	0.141469374	1.07005E-05	8.402907372	8.438167572	0.098017246	0.003486909	10.1771946	0.004553973	0.01214072	0.000772794	0.000927445	0.000433996	0.412737459	9.50339E-06	0.0016135	0.000918032	0.002180405	0.000880426
2098 Feb	0.001550334	0.141493484	1.07014E-05	8.406140327	8.441016197	0.098060004	0.003491224	10.18036747	0.004554591	0.01214496	0.000772892	0.00092763	0.000434235	0.412839442	9.51799E-06	0.001613759	0.000918213	0.002180678	0.000880707
2098 Mar	0.00155078	0.141538143	1.07046E-05	8.411970139	8.44603157	0.098131329	0.003499174	10.18613529	0.004555722	0.012154064	0.000773076	0.000927974	0.000434675	0.413016438	9.54521E-06	0.0016142	0.000918525	0.002181462	0.000881202
2098 Apr	0.001553995	0.142223999	1.07209E-05	8.419205666	8.46148777	0.098531328	0.003504798	10.20980835	0.004559412	0.012182296	0.000774664	0.000928257	0.000435087	0.413556188	9.56746E-06	0.001613997	0.000922307	0.002183994	0.000881203
2098 May	0.001537599	0.150689572	1.06673E-05	7.964782238	8.216858864	0.100639932	0.003277179	10.06942844	0.004358395	0.012174811	0.000792868	0.000875938	0.000413428	0.397436827	9.0751E-06	0.001497263	0.000960965	0.002156412	0.000815116
2098 Jun	0.001354542	0.153828293	1.01693E-05	6.104049206	6.732117653	0.091865115	0.002418295	8.657684326	0.003481937	0.011438649	0.000735017	0.000682096	0.000321476	0.31681025	7.15364E-06	0.001076561	0.000950783	0.002036688	0.000578957
2098 Jul	0.001428426	0.155277029	1.0466E-05	6.792962074	7.309058666	0.096384361	0.002692156	9,21335125	0.003827505	0.011768115	0.000771176	0.000760988	0.000355511	0.347856164	7.76493E-06	0.001231993	0.000977954	0.002124795	0.000665277
2098 Aug	0.001470672	0.153448567	1.05305E-05	7.258342266	7.673471928	0.098222651	0.002851792	9.543604851	0.004061101	0.011797464	0.000787105	0.000811447	0.0003773	0.368759662	8.02348E-06	0.001346186	0.000974285	0.00214063	0.000727537
2098 Sep	0.001477907	0.146964431	1.03578E-05	7.498989105	7.801146984	0.096364163	0.002921897	9.607113838	0.004173815	0.011589755	0.000772168	0.000834304	0.000386502	0.378413945	8.00228E-06	0.001420134	0.000934989	0.002090294	0.000766839
2098 Oct	0.001479786	0.141376346	1.0195E-05	7.647515297	7.860100746	0.09424293	0.002995568	9.617980957	0.004230146	0.011471677	0.000752773	0.000845205	0.000392052	0.383450121	8.06317E-06	0.001466531	0.000897983	0.002039294	0.0007923
2098 Nov	0.001476232	0.13935338	1.014E-05	7.6573305 13	7.843379974	0.093176112	0.003023966	9.591098785	0.004223282	0.011448491	0.000741985	0.000843056	0.000392332	0.382950544	8.12208E-06	0.001470563	0.00088237	0.002018029	0.000795175
2098 Dec	0.0014771	0.139360219	1.01429E-05	7.665644169	7.850244522	0.093226843	0.003028778	9.598011971	0.004226923	0.011453818	0.000742287	0.000843859	0.000392772	0.383301735	8.13454E-06	0.001472266	0.000882514	0.002018649	0.000796176
2099 Jan	0.001477665	0.139367968	1.0144E-05	7.673679352	7.856816769	0.093294881	0.00303588	9.60447979	0.004229567	0.011459389	0.00074256	0.000844532	0.000393269	0.383599371	8.15629E-06	0.001473543	0.000882723	0.002019161	0.000797063
2099 Feb	0.001478109	0.139386594	1.01453E-05	7.680169582	7.862227917	0.093358964	0.003042527	9.610013008	0.004231428	0.011465147	0.000742782	0.000845028	0.000393697	0.383827776	8.17756E-06	0.001474415	0.000882955	0.002019655	0.000797734
2099 Mar	0.001479587	0.139525414	1.01554E-05	7.69113493	7.872537613	0.093490697	0.003051942	9.622227669	0.004235583	0.011481571	0.000743491	0.000845967	0.000394386	0.384271502	8.20805E-06	0.001475922	0.000883867	0.002021816	0.00079878
2099 Apr	0.001487277	0.14087908	1.01975E-05	7.715497494	7.910860538	0.09430258	0.003065168	9.676674843	0.004248776	0.01154468	0.000747328	0.000847845	0.000395671	0.385801703	8.25406E-06	0.001478118	0.000891552	0.002029052	0.000800115
2099 May	0.001462137	0.160766363	1.00605E-05	6.805217266	7.468410969	0.100424781	0.002613013	9.469034195	0.003845045	0.011558008	0.000777962	0.000740396	0.000350968	0.354779631	7.29674E-06	0.001237421	0.000985609	0.001966211	0.000664151
2099 Jun	0.001428142	0.16592598	9.94558E-06	6.34928894	7.170445919	0.101001605	0.002401932	9.223960876	0.003633281	0.011444484	0.000793373	0.000691657	0.000330381	0.336788654	6.86378E-06	0.001124579	0.001011111	0.001943639	0.0006014
2099 Jul	0.001523938	0.167290062	1.02029E-05	7.267048836	7.944458008	0.107108086	0.002739731	9.956401825	0.004095723	0.011744094	0.000844792	0.000795309	0.000375018	0.378848046	7.54146E-06	0.001336955	0.001042709	0.002028183	0.000718474
2099 Aug	0.001582345	0.168491974	1.04244E-05	7.774846554	8.377245903	0.110470355	0.002935142	10.39184284	0.004352535	0.011978487	0.000871846	0.000850354	0.000399889	0.402173609	7.95056E-06	0.001451801	0.001058122	0.002078524	0.000781759
2099 Sep	0.001588	0.163461775	1.03367E-05	7.992369175	8.49544239	0.109278545	0.003030449	10.45915604	0.004447506	0.011862429	0.000861558	0.000871616	0.000409619	0.410352707	8.08887E-06	0.001511509	0.00102972	0.002054817	0.000815046
2099 Oct	0.001587946	0.159017742	1.02366E-05	8.124987602	8.548607826	0.107745484	0.003121718	10.47108269	0.004491821	0.011805453	0.000846828	0.000882181	0.000415717	0.414354891	8.26899E-06	0.001547538	0.001002391	0.002026714	0.000836201
2099 Nov	0.001585341	0.156448007	1.01742E-05	8.208539963	8.582324028	0.107085459	0.003224486	10.48310757	0.004505101	0.011810661	0.000837147	0.000886698	0.00042088	0.416145533	8.56333E-06	0.001563122	0.000986535	0.002010834	0.000847693
2099 Dec	0.001587382	0.156418532	1.01777E-05	8.243166924	8.609600067	0.107354268	0.003257437	10.50932503	0.004515637	0.011834602	0.000838109	0.000889518	0.000423089	0.417361945	8.66573E-06	0.001568422	0.000987086	0.002012909	0.000851515
2100 Jan	0.001588105	0.156405628	1.01782E-05	8.255194664	8.619138718	0.107446574	0.003267994	10.51831627	0.004519555	0.01184148	0.000838468	0.000890541	0.000423831	0.417800605	8.69776E-06	0.001570395	0.000987287	0.002013521	0.000852879
2100 Feb	0.001588396	0.156411409	1.01789E-05	8.261965752	8.624508858	0.107513808	0.003276766	10.52376461	0.004520858	0.011848373	0.000838591	0.000890966	0.000424325	0.418002248	8.72693E-06	0.001571071	0.000987438	0.002013929	0.000853533
2100 Mar	0.001588732	0.156444088	1.01811E-05	8.26708889	8.628832817	0.107575722	0.003284099	10.52867413	0.004521712	0.011856184	0.000838729	0.000891248	0.000424721	0.418150216	8.75208E-06	0.001571423	0.000987675	0.002014528	0.000853965
2100 Apr	0.001593958	0.156955883	1.02148E-05	8.297979355	8.659921646	0.107970551	0.003302058	10.56618118	0.004536512	0.011900874	0.000841446	0.00089429	0.00042645	0.419591814	8.80594E-06	0.001576635	0.000990943	0.002021353	0.000857056
2100 May	0.001587972	0.162723809	1.02294E-05	8.041543961	8.53263855	0.109586127	0.003153332	10.50122738	0.004432348	0.011922429	0.000861884	0.000867397	0.000414553	0.411028147	8.47343E-06	0.001511306	0.001021168	0.002021437	0.00081928
2100 Jun	0.001399311	0.158138365	9.88881E-06	6.380486965	7.075389385	0.097035572	0.00240573	9.025980949	0.003644501	0.011228669	0.000773318	0.000704164	0.000331635	0.334868342	6.83198E-06	0.00114878	0.000975588	0.001957952	0.000615675
2100 Jul	0.001424536	0.153477758	9.9685E-06	6.827858925	7.369365215	0.097109787	0.002553068	9.225337029	0.003870738	0.011214041	0.000775663	0.000762142	0.000352026	0.353229016	7.08148E-06	0.001265828	0.000967066	0.00200957	0.000679981
2100 Aug	0.001457117	0.150011122	9.97172E-06	7.257909298	7.683419704	0.097961001	0.002699032	9.488892555	0.004083317	0.011157902	0.000784042	0.000808514	0.000371837	0.371989906	7.29428E-06	0.0013753	0.000952056	0.002010351	0.000739877
2100 Sep	0.001479248	0.147491202	9.98139E-06	7.581865788	7.919508934	0.098821394	0.002870268	9.697415352	0.004224252	0.011189506	0.000787713	0.000839922	0.000388298	0.385173738	7.68606E-06	0.001448836	0.000941216	0.002011866	0.000782557
2100 Oct	0.001497009	0.146568477	9.99004E-06	7.816028595	8.100354195	0.099927552	0.003012223	9.861124992	0.004320865	0.011266827	0.00079348	0.000862465	0.000400749	0.394639492	8.04781E-06	0.001498217	0.000940183	0.002018356	0.000812115
2100 Nov	0.001500212	0.146501824	9.99909E-06	7.85207653	8.128663063	0.100112677	0.003038048	9.889131546	0.004334828	0.011291043	0.000794195	0.000865654	0.000402758	0.396047145	8.11942E-06	0.001505123	0.000940121	0.002020187	0.000816414
2100 Dec	0.001501561	0.146540955	1.00039E-05	7.867170334	8.141300201	0.100237176	0.003049505	9.901937485	0.004340547	0.011302465	0.000794847	0.000867025	0.000403648	0.396643251	8.15341E-06	0.001507741	0.000940635	0.002021596	0.000818113
2101 Jan	0.001502824	0.1465334	1.00052E-05	7.883738518	8.154791832	0.100356512	0.003060177	9.914489746	0.004347239	0.011309013	0.000795539	0.000868637	0.00040457	0.397318572	8.18265E-06	0.001510991	0.000941018	0.00202254	0.000820115
2101 Feb	0.001503459	0.146531075	1.00058E-05	7.894233704	8.16321373	0.100443177	0.003069745	9.92254734	0.004350554	0.011315567	0.000795872	0.00086951	0.000405229	0.397698164	8.21209E-06	0.001512641	0.000941245	0.002023116	0.000821285

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Mar	0.001503755	0.146555826	1.00077E-05	7.898533821	8.166838646	0.100492641	0.003075417	9.926578522	0.004351423	0.011321538	0.000796001	0.000869774	0.000405549	0.39782998	8.23131E-06	0.00151301	0.000941439	0.002023608	0.000821668
2101 Apr	0.001506823	0.146865427	1.00274E-05	7.918068409	8.186262131	0.100747794	0.003088587	9.949840546	0.004360113	0.011349737	0.000797583	0.000871615	0.000406686	0.398706108	8.27231E-06	0.00151607	0.000943453	0.002027748	0.000823583
2101 May	0.001496863	0.153346151	1.0048E-05	7.587256908	8.006672859	0.102239378	0.002935856	9.852931023	0.004212447	0.011413664	0.000813879	0.000833897	0.000391659	0.386672378	7.97623E-06	0.001428711	0.000973445	0.002020804	0.00077438
2101 Jun	0.001398851	0.154574886	9.89138E-06	6.585740089	7.18780899	0.096769877	0.002489538	9.072067261	0.003740411	0.01112427	0.000776866	0.000732022	0.000342397	0.342357785	7.02287E-06	0.001201388	0.000966474	0.001984216	0.000646671
2101 Jul	0.001464695	0.156457752	1.01665E-05	7.206566811	7.713553429	0.101313405	0.002787802	9.590339661	0.004035736	0.011486249	0.000810009	0.000799984	0.00037455	0.36968419	7.77611E-06	0.001332858	0.000993553	0.00206429	0.000722225
2101 Aug	0.001533688	0.158800587	1.04111E-05	7.805942535	8.236240387	0.105928451	0.003030843	10.1141243	0.004334716	0.01178683	0.000846876	0.000865507	0.000404491	0.397277355	8.31908E-06	0.001465056	0.001020321	0.002129034	0.000795999
2101 Sep	0.001541622	0.155116245	1.03661E-05	7.995088577	8.346806526	0.105195388	0.003139545	10.19623566	0.004410612	0.011752901	0.000837872	0.000881717	0.000413569	0.404210031	8.54149E-06	0.001511982	0.000997431	0.002109857	0.000823202
2101 Oct	0.001552757	0.153146073	1.03408E-05	8.168876648	8.46562767	0.105241314	0.003243655	10.29427052	0.004480585	0.011780397	0.000835652	0.000897508	0.000422256	0.410905629	8.77913E-06	0.001552123	0.000987045	0.002102328	0.000846781
2101 Nov	0.001536993	0.149987012	1.02501E-05	8.059835434	8.336185455	0.102651849	0.003210526	10.1540947	0.004418955	0.011697865	0.000813348	0.000882406	0.000415871	0.404938161	8.66529E-06	0.001533713	0.000960012	0.002064775	0.000836224
2101 Dec	0.001534181	0.149589404	1.02443E-05	8.029322624	8.305644989	0.102161273	0.003200029	10.1254158	0.004403255	0.011693449	0.000809109	0.000878456	0.000414191	0.403422654	8.63722E-06	0.001527568	0.000955576	0.002059079	0.000832693
2102 Jan	0.00153474	0.149586901	1.02446E-05	8.03646946	8.311512947	0.102213286	0.003204533	10.13089657	0.004406163	0.011696091	0.000809388	0.000879145	0.000414582	0.403717339	8.64934E-06	0.001528985	0.000955735	0.0020594	0.000833561
2102 Feb	0.001534939	0.149611101	1.02456E-05	8.039625168	8.314269066	0.102256089	0.003209146	10.13402081	0.004406641	0.011700707	0.000809468	0.000879305	0.000414827	0.403809726	8.66518E-06	0.001529179	0.000955908	0.002059688	0.000833821
2102 Mar	0.001535411	0.149656996	1.02486E-05	8.045147896	8.319112778	0.102323659	0.003216034	10.13956642	0.004407927	0.011708846	0.000809682	0.000879662	0.000415227	0.403990239	8.68848E-06	0.00152968	0.000956231	0.002060436	0.000834308
2102 Apr	0.001537677	0.149877235	1.02639E-05	8.060620308	8.334050179	0.102516182	0.00322788	10.1573925	0.00441432	0.01173183	0.000810835	0.000881059	0.000416167	0.404649526	8.72623E-06	0.001531957	0.00095767	0.002063664	0.000835807
2102 May	0.001549205	0.150934279	1.03378E-05	8.132945061	8.404949188	0.103381619	0.003269675	10.24110699	0.004448758	0.011829221	0.000816886	0.000888309	0.000420209	0.407976121	8.85043E-06	0.001544481	0.00096471	0.002079181	0.000843249
2102 Jun	0.001324329	0.132703841	1.00721E-05	6.561051369	6.796667576	0.08307673	0.002598075	8.470155716	0.003686716	0.011012211	0.000652169	0.000746092	0.000338506	0.328812391	7.38353E-06	0.001226281	0.000847566	0.002054914	0.000664919
2102 Jul	0.001233206	0.123974241	1.00865E-05	5.976277351	6.151785374	0.074052043	0.002380495	7.744568825	0.003396479	0.010777033	0.000576283	0.000696805	0.00030852	0.297378451	6.98915E-06	0.001107202	0.000794595	0.002078887	0.000599741
2102 Aug	0.001298486	0.124236129	1.02413E-05	6.620832443	6.689558506	0.078094393	0.002634144	8.257850647	0.003714228	0.010962225	0.00060901	0.000766534	0.00034015	0.326603621	7.5091E-06	0.001255142	0.000809261	0.002123548	0.000682212
2102 Sep	0.001321181	0.123470716	1.02762E-05	6.866428852	6.884806633	0.079220526	0.002757647	8.446520805	0.003825009	0.011033863	0.000616027	0.000789911	0.000352552	0.337146878	7.7872E-06	0.001309718	0.000806682	0.002127351	0.000713559
2102 Oct	0.001301875	0.120289415	1.01092E-05	6.738232613	6.745163918	0.07680124	0.00275307	8.302175522	0.003738854	0.010936158	0.000593058	0.000768184	0.0003461	0.330002964	7.77369E-06	0.001282194	0.00077629	0.002066799	0.00069945
2102 Nov	0.001304952	0.120287478	1.01189E-05	6.761850834	6.764728069	0.076896481	0.00276428	8.322917938	0.003750057	0.010952878	0.000593643	0.000770362	0.000347233	0.331051499	7.79721E-06	0.001287516	0.000776128	0.002067579	0.000702409
2102 Dec	0.001306329	0.120301701	1.01218E-05	6.775484085	6.776222229	0.076987952	0.002769803	8.333805084	0.003756724	0.010957276	0.000594377	0.000771852	0.000347906	0.331669688	7.80885E-06	0.001290617	0.000776556	0.002068609	0.000704145
2103 Jan	0.001306502	0.120312855	1.01227E-05	6.779028416	6.779090405	0.077027075	0.002775035	8.336937904	0.003757224	0.010962109	0.000594427	0.000772033	0.000348181	0.331766725	7.82665E-06	0.001290864	0.000776652	0.002068873	0.000704454
2103 Feb	0.001306769	0.120341294	1.01247E-05	6.783592701	6.782903194	0.077083461	0.002782034	8.341293335	0.003757832	0.010969447	0.00059452	0.000772261	0.000348545	0.331889987	7.85088E-06	0.001291112	0.000776857	0.002069411	0.000704824
2103 Mar	0.001307312	0.12039163	1.01289E-05	6.789665222	6.788152695	0.07715413	0.002789618	8.34737587	0.003759281	0.010979082	0.000594737	0.000772667	0.000348986	0.33208558	7.87669E-06	0.001291662	0.000777208	0.002070409	0.000705357
2103 Apr	0.001310028	0.120639957	1.015E-05	6.80742979	6.804955482	0.077356011	0.002802535	8.367598534	0.003767002	0.01100751	0.000595939	0.000774376	0.000350042	0.332841128	7.91799E-06	0.001294381	0.000778845	0.00207488	0.000707099
2103 May	0.001330988	0.127322227	1.01852E-05	6.775571823	6.882804394	0.080878377	0.002730865	8.508580208	0.003776243	0.011087029	0.000631101	0.00077033	0.000348758	0.335194081	7.71207E-06	0.001280908	0.000817589	0.002078853	0.000697447
2103 Jun	0.001243518	0.133690283	9.88061E-06	5.73487854	6.127788067	0.078697145	0.002185867	7.822251797	0.003308663	0.010675399	0.000627817	0.000663588	0.000297058	0.293160528	6.42045E-06	0.001045003	0.000842337	0.00201266	0.000561978
2103 Jul	0.001294119	0.13126789	1.00019E-05	6.357203484	6.600343227	0.081119023	0.002431057	8.22333622	0.003612363	0.010781754	0.000647429	0.000735804	0.000327127	0.319932163	6.92775E-06	0.001193837	0.000845618	0.002066061	0.000645519
2103 Aug	0.001362506	0.128702939	1.00596E-05	7.095051765	7.178605556	0.08411216	0.00268373	8.736166954	0.003979497	0.010804717	0.000675387	0.000815539	0.000361725	0.352987796	7.34412E-06	0.00137553	0.000837464	0.002079464	0.000745625
2103 Sep	0.00138593	0.126284361	1.00181E-05	7.375910282	7.387844086	0.084546506	0.002795409	8.91868782	0.004111483	0.010799564	0.000678178	0.000842762	0.000374515	0.365220904	7.51096E-06	0.001446416	0.000825095	0.002064108	0.000784693
2103 Oct	0.001360393	0.122332469	9.86798E-06	7.155766964	7.160529613	0.080785446	0.002767101	8.701793671	0.003977383	0.010734189	0.000642471	0.000808675	0.000363185	0.353505313	7.44774E-06	0.001398329	0.00078353	0.001992171	0.000758932
2103 Nov	0.001353793	0.12117441	9.83614E-06	7.075127125	7.081037521	0.079425767	0.002741109	8.630254745	0.003934561	0.010720518	0.000630473	0.00079697	0.00035863	0.349559933	7.36781E-06	0.001382363	0.000769703	0.001969333	0.00074964
2103 Dec	0.001354958	0.12117435	9.83802E-06	7.086803913	7.090783119	0.079497285	0.002745454	8.639331818	0.003940362	0.010723374	0.00063107	0.000798255	0.000359193	0.350093603	7.37602E-06	0.001385105	0.000769992	0.001970052	0.000751158
2104 Jan	0.001355052	0.121181913	9.83849E-06	7.089982033	7.093293667	0.079534486	0.002750949	8.642106056	0.003940534	0.010728182	0.000631073	0.000798372	0.00035946	0.350166351	7.39503E-06	0.001385217	0.000770055	0.00197023	0.00075141
2104 Feb	0.001355174	0.121198624	9.83937E-06	7.094227314	7.096698284	0.079588689	0.002758569	8.645926476	0.003940687	0.010735071	0.000631095	0.000798522	0.000359826	0.35025987	7.42169E-06	0.001385309	0.000770186	0.001970557	0.00075173
2104 Mar	0.001355771	0.121253014	9.8438E-06	7.101251602	7.10273838	0.07967034	0.002767524	8.652881622	0.003942281	0.010745972	0.000631336	0.000798975	0.000360341	0.350482672	7.45214E-06	0.001385929	0.000770565	0.00197161	0.000752347
2104 Apr	0.001360237	0.121647641	9.8763E-06	7.130156994	7.130185604	0.079994008	0.0027872	8.685660362	0.003955186	0.010789596	0.000633366	0.000801775	0.000362021	0.351738274	7.51359E-06	0.001390576	0.000773131	0.001978362	0.00075525
2104 May	0.001361428	0.13208431	9.91445E-06	6.796226501	7.008728027	0.083857067	0.002632773	8.686209679	0.003809281	0.010925906	0.00066991	0.000761579	0.000347943	0.34123987	7.24254E-06	0.001293659	0.000826704	0.001974689	0.000700791
2104 Jun	0.001288409	0.140473947	9.70201E-06	5.876441479	6.37680006	0.083698459	0.002209527	8.148170471	0.003381436	0.01069499	0.000677207	0.000664158	0.000304558	0.304091752	6.35972E-06	0.001070178	0.000866532	0.00193222	0.000575245
2104 Jul	0.001352303	0.140271917	9.89337E-06	6.567358017	6.935193539	0.087776214	0.00252725	8.665081024	0.003707906	0.010949312	0.000707346	0.000740236	0.000339597	0.334041536	7.11439E-06	0.001223556	0.000882945	0.001998181	0.00066325
2104 Aug	0.001417698	0.139714479	1.00212E-05	7.234156132	7.482121944	0.091510847	0.0027652	9.173116684	0.004042547	0.011076577	0.000739143	0.000813794	0.000371519	0.364412338	7.54922E-06	0.00138192	0.00089354	0.002038291	0.00075076
2104 Sep	0.001423195	0.13637948	9.96407E-06	7.390066147	7.571960449	0.090839066	0.002857757	9.240465164	0.004103088	0.011026973	0.000730506	0.000825986	0.000379003	0.370097697	7.73415E-06	0.001420623	0.000871872	0.002014923	0.000773372
2104 Oct	0.001410053	0.132874057	9.86421E-06	7.318903923	7.469888687	0.088346891	0.002880959	9.132501602	0.00404567	0.010992573	0.000705716	0.00081132	0.000375218	0.365147889	7.79195E-06	0.001406285	0.000840936	0.001969845	0.000766591
2104 Nov	0.001405591	0.132030889	9.84497E-06	7.275021076	7.423197269	0.087493196	0.002870283	9.088119507	0.004021029	0.010983708	0.000697955	0.000804902	0.00037277	0.362850904	7.76033E-06	0.00139758	0.000832159	0.001957196	0.000761664
2104 Dec	0.001406729	0.132039472	9.84737E-06	7.286792755	7.433033943	0.087572418	0.002875765	9.097457886	0.004026544	0.010988027	0.000698543	0.000806149	0.000373369	0.363371044	7.77309E-06	0.001400165	0.000832495	0.001958053	0.000763146
2105 Jan	0.001407277	0.132035628	9.84764E-06	7.294072628	7.438982964	0.08762566	0.002880459	9.102978706	0.00402947	0.01099069	0.000698839	0.000806851	0.000373773	0.363668561	7.78588E-06	0.001401594	0.000832659	0.001958399	0.000764031
2105 Feb	0.001407441	0.132052064	9.84856E-06	7.297476768	7.44179821	0.087667398	0.002885693	9.106101036	0.00402989	0.010995632	0.000698899	0.000807017	0.000374044	0.363759816	7.8039E-06	0.001401787	0.000832791	0.001958696	0.000764314
2105 Mar	0.001407668	0.132072687	9.85025E-06	7.302354813	7.445742607	0.087724432	0.002893411	9.110509872	0.004030436	0.011003162	0.000698973	0.000807251	0.000374439	0.363884389	7.83059E-06	0.001402039	0.000832955	0.001959193	0.000764714
2105 Apr	0.001410453	0.132302642	9.86816E-06	7.322798252	7.464750767	0.08794868	0.002908122	9.132417679	0.00403905	0.01102981	0.000700339	0.000809164	0.000375647	0.36475116	7.87616E-06	0.001405315	0.000834544	0.001963082	0.000766813
2105 May	0.001413408	0.139738247	9.89611E-06	7.108959675	7.398328304	0.090855598	0.002797189	9.147601128	0.003950159	0.011118768	0.000728301	0.000784211	0.000366562	0.358508706	7.66518E-06	0.001343274	0.000874384	0.001963915	0.00073153
2105 Jun	0.001409141	0.149878293	9.88535E-06	6.75786829	7.260703564	0.09465608	0.002611081	9.114380836	0.003801897	0.01117711	0.000766244	0.00074503	0.000351177	0.347529948	7.28882E-06	0.001246331	0.000930163	0.001960016	0.000676364
2105 Jul	0.001492377	0.15012978	1.00716E-05	7.593861103	7.953315258	0.099791057	0.002923346	9.75709343	0.004218513	0.011395187	0.000809503	0.000838656	0.000391775	0.385450572	7.91083E-06	0.001441374	0.000951545	0.002024635	0.000785061
2105 Aug	0.001547943	0.144995242	1.00337E-05	8.311429977	8.489735603	0.10163147	0.00311968	10.19423103	0.004587161	0.011244258	0.000829665	0.000920062	0.000423741	0.417770594	8.0925E-06	0.001629841	0.000935224	0.002028518	0.000887155
2105 Sep	0.001539261	0.138941705	9.90248E-06	8.398910522	8.488661766	0.099077642	0.003186755	10.15350246	0.004609461	0.011095503	0.000804725	0.000923754	0.000427095	0.419516742	8.18737E-06	0.00165864	0.000893919	0.001981599	0.000904049
2105 Oct	0.001524775	0.13522248	9.79518E-06	8.35218811	8.402017593	0.096772276	0.003231091	10.05086899	0.00455969	0.011056508	0.000780766	0.000912515	0.000424919	0.415308535	8.3164E-06	0.001648522	0.000864731	0.001942476	0.000900369
2105 Nov	0.00151541	0.13390325	9.75698E-06	8.276500702	8.322429657	0.095485173	0.003213688	9.970831871	0.004516729	0.011030193	0.000768986	0.000902328	0.000420921	0.411316037	8.27508E-06	0.001632781	0.000852293	0.001924829	0.00089172
2105 Dec	0.001516055	0.133897185	9.75817E-06	8.283965111	8.328474998	0.095531657	0.00321806	9.976548195	0.004519912	0.011033435	0.000769268	0.000903066	0.00042132	0.411626905	8.28643E-06	0.00163432	0.000852416	0.001925268	0.000892644
2106 Jan	0.001516112	0.133900866	9.75862E-06	8.288007736	8.331542969	0.095578089	0.003225657	9.97990799	0.004519923	0.011039864	0.000769231	0.00090319	0.000421676	0.41170612	8.31295E-06	0.001634388	0.000852463	0.001925493	0.000892951
2106 Feb	0.001516174	0.133911774	9.75916E-06	8.292125702	8.334757805	0.095630355	0.003233514	9.983476639	0.004519901	0.011046617	0.000769219	0.000903312	0.000422043	0.411787093	8.34055E-06	0.001634422	0.000852561	0.001925764	0.000893251
2106 Mar	0.001516496	0.133941099	9.76148E-06	8.298218727	8.339745522	0.095701769	0.003242828	9.989078522	0.004520702	0.011055959	0.000769334	0.000903619	0.000422529	0.411949575	8.37266E-06	0.001634777	0.000852785	0.001926412	0.000893758
2106 Apr	0.001520074	0.134255618	9.78477E-06	8.32213974	8.362615585	0.095976934	0.003259014	10.01607132	0.004531242	0.011088928	0.000771102	0.000905874	0.00042392	0.412997514	8.42238E-06	0.001638661	0.000854828	0.001931202	0.00089619
2106 May	0.001529248	0.137519166	9.85711E-06	8.299765587	8.388154984	0.097523019	0.003249844	10.07810497	0.00452569	0.011195255	0.000784458	0.000902835	0.00042362	0.41315046	8.43795E-06	0.001626358	0.000873553	0.001945445	0.000889395
2106 Jun	0.001373823	0.136598632	9.6746E-06	6.868257523	7.166413307	0.088289611	0.002627526	8.867016792	0.003846923	0.010755091	0.000713387	0.000763784	0.00035289	0.34795174	7.15974E-06	0.00130393	0.000857603	0.001927164	0.00070816
2106 Jul	0.001427365	0.134139106	9.87807E-06	7.535255909	7.666715622	0.090808399	0.002902551	9.290807724	0.00417215	0.010935013	0.000732238	0.000843374	0.000385462	0.376181841	7.77321E-06	0.001461105	0.000865292	0.002007967	0.000797294
2106 Aug	0.001495877	0.130462155	9.90247E-06	8.330682755	8.283740044	0.093801871	0.003152576	9.8235569	0.004574036	0.010888766	0.0007608	0.000931539	0.000422112	0.41205126	8.12365E-06	0.001661376	0.000856873	0.002023198	0.000907156
2106 Sep	0.001502912	0.125907525	9.82235E-06	8.523997307	8.392731667	0.092712268	0.003238969	9.901429176	0.004657772	0.01078097	0.000749497	0.000947633	0.000430569	0.419524938	8.2358E-06	0.001714046	0.000827419	0.001990168	0.000936618
2106 Oct	0.001505224	0.124745205	9.8045E-06	8.548490524	8.399790764	0.092062861	0.003252708	9.905473709	0.00466688	0.010784812	0.000743396	0.000948382	0.000431197	0.420306146	8.23889E-06	0.001722514	0.000817816	0.001977682	0.000941058
2106 Nov	0.001508261	0.124877855	9.81784E-06	8.571486473	8.420289993	0.092241861	0.003261588	9.926959991	0.004678702	0.01080073	0.00074484	0.000950896	0.000432326	0.421384186	8.25826E-06	0.001727584	0.000818987	0.001980667	0.000943863
2106 Dec	0.001509144	0.124884635	9.81978E-06	8.581474304	8.428553581	0.092313252	0.003267513	9.934882164	0.00468296	0.010805447	0.000745292	0.00095189	0.000432869	0.421802819	8.27405E-06	0.001729595	0.000819259	0.001981391	0.000945079
2107 Jan	0.001509232	0.124888308	9.82035E-06	8.585839272	8.431884766	0.092361465	0.003275177	9.938472748	0.00468315	0.010811924	0.000745286	0.000952056	0.00043324	0.421897292	8.30063E-06	0.001729745	0.000819319	0.001981663	0.000945429
2107 Feb	0.001509479	0.124908879	9.82201E-06	8.591285706	8.436278343	0.092424214	0.003283639	9.943325996	0.004683799	0.010819963	0.000745368	0.000952323	0.000433677	0.422038704	8.32978E-06	0.001730054	0.000819493	0.001982177	0.000945885
2107 Mar	0.001510249	0.124970846	9.8272E-06	8.59997654	8.443756104	0.092520341	0.003293725	9.951789856	0.004686079	0.010832193	0.000745705	0.000952933	0.000434288	0.422330558	8.36352E-06	0.001730973	0.000819942	0.001983414	0.000946691
2107 Apr	0.001512027	0.125115365	9.83902E-06	8.614632607	8.457017899	0.092680044	0.003306463	9.967055321	0.00469148	0.010852061	0.000746536	0.000954186	0.000435209	0.422907591	8.40444E-06	0.00173305	0.000820934	0.001985999	0.000948146
2107 May	0.001500078	0.130592793	9.85348E-06	8.300396919	8.276224136	0.093724735	0.003164337	9.857894897	0.004549756	0.010901535	0.000757885	0.000918717	0.00042077	0.411151379	8.1296E-06	0.001651104	0.000845978	0.001979608	0.000901678
2107 Jun	0.00144832	0.145044655	9.82262E-06	7.317317486	7.671142101	0.095859945	0.002748721	9.439149857	0.004092145	0.010971623	0.000781909	0.000808696	0.000375921	0.372801274	7.36561E-06	0.001396223	0.000912246	0.001954418	0.000758742
2107 Jul	0.001511566	0.144328758	9.96306E-06	8.012560844	8.229431152	0.099755026	0.003060155	9.949197769	0.004420209	0.011169082	0.000811532	0.000884191	0.000410857	0.403012753	8.07897E-06	0.001553097	0.000922969	0.00200451	0.000848783
2107 Aug	0.001592172	0.144806281	1.01469E-05	8.819768906	8.902434349	0.104922645	0.003381387	10.58311176	0.004816489	0.011404322	0.000853526	0.000972696	0.000450617	0.439472258	8.75241E-06	0.001737922	0.000944128	0.00206478	0.000952821
2107 Sep	0.001616937	0.143885911	1.01952E-05	9.090393066	9.113771439	0.106026717	0.003522606	10.78269768	0.004937423	0.011509557	0.000859627	0.000999341	0.000464253	0.450863451	9.08073E-06	0.001797999	0.000942259	0.002074941	0.000987695
2107 Oct	0.00160495	0.141403824	1.01291E-05	9.011432648	9.017030716	0.10404256	0.003515321	10.68028736	0.004887324	0.011470753	0.000840984	0.000987217	0.00045988	0.446218222	9.05604E-06	0.001782915	0.000920888	0.002045894	0.000979618
2107 Nov	0.001596378	0.140453577	1.01023E-05	8.927114487	8.935354233	0.102862492	0.003481915	10.60084343	0.004845029	0.01144255	0.00083095	0.000976948	0.000455256	0.442157894	8.96598E-06	0.001766047	0.000910898	0.002031304	0.000969807
2107 Dec	0.001597968	0.140442595	1.0104E-05	8.944055557	8.949380875	0.10296531	0.00348796	10.61354542	0.00485348	0.0114452	0.000831829	0.00097885	0.000456068	0.442932606	8.97691E-06	0.001770077	0.000911318	0.002032303	0.000972046
2108 Jan	0.001598491	0.140445009	1.01049E-05	8.951674461	8.955568314	0.103027254	0.003494439	10.61952972	0.004856057	0.011449968	0.000832088	0.000979504	0.000456533	0.443217665	8.99649E-06	0.001771335	0.000911499	0.00203276	0.00097291

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 Feb	0.001598662	0.140455827	1.01056E-05	8.956431389	8.959353447	0.103080712	0.003501757	10.62356758	0.004856613	0.011456228	0.000832144	0.00097974	0.000456911	0.443341196	9.02154E-06	0.00177163	0.000911623	0.002033092	0.000973322
2108 Mar	0.001599567	0.140535027	1.01115E-05	8.965439796	8.967339516	0.10318476	0.003511528	10.63271999	0.004859232	0.011468993	0.00083257	0.000980402	0.000457528	0.443660885	9.05401E-06	0.001772649	0.000912173	0.002034456	0.000974163
2108 Apr	0.001606818	0.14120549	1.01573E-05	9.008888245	9.010508537	0.103711404	0.0035347	10.68406677	0.00488062	0.011527425	0.000836293	0.000984806	0.000459898	0.445706457	9.12131E-06	0.00178038	0.000916501	0.002043763	0.000978688
2108 May	0.001622132	0.143211812	1.02541E-05	9.093747139	9.103899002	0.105191924	0.003599058	10.80220032	0.004916884	0.01167645	0.000845093	0.000992088	0.000465103	0.449642986	9.33257E-06	0.001791222	0.00092878	0.00206331	0.000986026
2108 Jun	0.00145769	0.137602508	1.01365E-05	7.679361343	7.818912029	0.092939302	0.003021692	9.501317978	0.004234218	0.01126334	0.00074458	0.000854701	0.000394539	0.382521808	8.17917E-06	0.001477892	0.000881495	0.002049903	0.00081024
2108 Jul	0.001502246	0.137823492	1.03866E-05	8.163684845	8.202392578	0.095758088	0.003286399	9.864188194	0.004455116	0.011573587	0.000761927	0.000909066	0.000420221	0.402507216	8.9006E-06	0.001578353	0.000897685	0.002127572	0.000870068
2108 Aug	0.00159038	0.139814004	1.06552E-05	8.976605415	8.898310661	0.101560891	0.003609595	10.54355717	0.004859219	0.011904532	0.000808781	0.000998366	0.000460487	0.439705968	9.59616E-06	0.001761134	0.000928132	0.00220458	0.000972829
2108 Sep	0.001605949	0.139041603	1.06824E-05	9.153172493	9.034496307	0.102224529	0.003708523	10.67398739	0.004935573	0.011969862	0.000811781	0.00101481	0.000469533	0.447010607	9.83223E-06	0.001799598	0.000924875	0.002207689	0.000995481
2108 Oct	0.001556744	0.133768126	1.04614E-05	8.713306427	8.609014511	0.096282944	0.003557788	10.25390911	0.004703327	0.011773814	0.000760229	0.000958758	0.000446113	0.42552644	9.43847E-06	0.001708923	0.000870537	0.002114493	0.000944018
2108 Nov	0.001550048	0.133027121	1.04413E-05	8.643095016	8.541615486	0.095316611	0.003539216	10.19196892	0.004665201	0.01176545	0.000751395	0.000949281	0.000442459	0.422030836	9.39639E-06	0.001693564	0.000861586	0.00210065	0.000935438
2108 Dec	0.001551332	0.133032203	1.04437E-05	8.656866074	8.553067207	0.095409073	0.003545768	10.20273685	0.004671584	0.011770129	0.000752075	0.000950735	0.000443164	0.422635615	9.4118E-06	0.001696576	0.000861963	0.002101593	0.000937183
2109 Jan	0.001551452	0.133038044	1.04443E-05	8.660906792	8.55621624	0.095453531	0.003552427	10.20613003	0.004671907	0.011775823	0.000752088	0.000950908	0.000443496	0.422731876	9.43472E-06	0.001696773	0.000862034	0.00210184	0.00093752
2109 Feb	0.001551634	0.133057952	1.04456E-05	8.665382385	8.559847832	0.095508628	0.00355987	10.21020699	0.004672279	0.011782882	0.000752141	0.0009511	0.000443867	0.422840923	9.46059E-06	0.00169695	0.000862188	0.00210225	0.000937874
2109 Mar	0.001552589	0.13314037	1.04522E-05	8.674684525	8.568066597	0.095614143	0.003569941	10.21967697	0.004675013	0.011796487	0.000752563	0.000951791	0.000444503	0.423170328	9.4941E-06	0.001698005	0.000862756	0.002103752	0.000938742
2109 Apr	0.001557313	0.133547425	1.04842E-05	8.706960678	8.598528862	0.095975436	0.0035925	10.25552177	0.004689019	0.011841761	0.000754793	0.00095484	0.000446393	0.424560785	9.5641E-06	0.001703182	0.000865444	0.002110447	0.000942028
2109 May	0.001540445	0.141112939	1.04734E-05	8.281051636	8.35850811	0.097624362	0.003392971	10.1105957	0.004497843	0.011873479	0.000772674	0.000906665	0.000426801	0.408888102	9.16379E-06	0.001592577	0.000900596	0.002096252	0.000879069
2109 Jun	0.001512795	0.15374063	1.04265E-05	7.608674049	7.991235733	0.100849494	0.003071883	9.889289856	0.004197208	0.011897029	0.000807314	0.000831706	0.000396167	0.384524107	8.5191E-06	0.001417072	0.000963488	0.002075752	0.000779385
2109 Jul	0.001584422	0.152089402	1.05342E-05	8.407289505	8.627275467	0.104883306	0.003372841	10.45253086	0.004589625	0.012012132	0.000841576	0.000921162	0.000434695	0.420013547	9.1061E-06	0.001607154	0.000971884	0.002122929	0.000886269
2109 Aug	0.001648705	0.150942713	1.06599E-05	9.080867767	9.165219307	0.108207524	0.003629308	10.94184113	0.004920864	0.012138133	0.000869784	0.000994922	0.000467207	0.449965715	9.61217E-06	0.00176663	0.000975467	0.002159477	0.000975911
2109 Sep	0.00167082	0.147537947	1.0594E-05	9.384840012	9.381975174	0.108280487	0.003704233	11.10860729	0.005077412	0.01204518	0.000872357	0.001028659	0.000479868	0.463620245	9.61959E-06	0.001851169	0.00096133	0.00214701	0.001021225
2109 Oct	0.001626629	0.140927941	1.03562E-05	9.081477165	9.050273895	0.102699809	0.003627062	10.75491142	0.004903224	0.011840918	0.000822162	0.000988039	0.000463488	0.447437882	9.40495E-06	0.001791842	0.000905265	0.002061638	0.000988418
2109 Nov	0.001626235	0.140566558	1.03547E-05	9.079317093	9.043559074	0.102433339	0.003633707	10.74905682	0.00489949	0.011849443	0.000819295	0.000986914	0.000463362	0.447116226	9.42302E-06	0.001791305	0.000901853	0.002058059	0.000988284
2109 Dec	0.00162775	0.140577033	1.03577E-05	9.094882011	9.056602478	0.102537423	0.003640293	10.76130772	0.004906989	0.01185423	0.000820113	0.000988605	0.000464138	0.447815329	9.43736E-06	0.001794816	0.000902321	0.00205919	0.000990281
2110 Jan	0.001628049	0.140590161	1.0359E-05	9.100824356	9.061361313	0.102598295	0.003648365	10.76635838	0.004908051	0.011861496	0.000820218	0.000988955	0.000464582	0.447987527	9.46451E-06	0.001795341	0.000902472	0.00205966	0.000990833
2110 Feb	0.001628308	0.140613139	1.03608E-05	9.106791496	9.066175461	0.102668099	0.00365782	10.77169037	0.004908699	0.011870432	0.000820302	0.000989238	0.000465065	0.448139518	9.49716E-06	0.001795652	0.000902664	0.002060212	0.000991325
2110 Mar	0.001629008	0.140673324	1.03655E-05	9.114945412	9.073204994	0.10276138	0.003667794	10.77969933	0.004910666	0.011882336	0.000820608	0.000989778	0.000465652	0.448405743	9.53077E-06	0.001796439	0.000903088	0.002061335	0.000992063
2110 Apr	0.001631982	0.140928045	1.03847E-05	9.135938644	9.092962265	0.102998018	0.003683025	10.80280018	0.004919513	0.01191091	0.000822059	0.00099171	0.000466897	0.449300706	9.57812E-06	0.00179975	0.000904765	0.002065347	0.0009942
2110 May	0.001637764	0.143363908	1.04249E-05	9.112781525	9.107916832	0.10416925	0.003669671	10.84352779	0.00491296	0.011973549	0.0008325	0.000988889	0.000466299	0.449225157	9.56821E-06	0.001789582	0.000919043	0.002073808	0.000988448
2110 Jun	0.00147557	0.147147641	1.0103E-05	7.457520485	7.789402485	0.096695147	0.002891741	9.587488174	0.004144878	0.011405764	0.000782224	0.0008231	0.000384382	0.377573162	7.85671E-06	0.001414381	0.000925456	0.002015235	0.000774317
2110 Jul	0.001540573	0.145216957	1.02524E-05	8.225786209	8.390427589	0.100389704	0.003199775	10.11190319	0.00451891	0.011561689	0.000811668	0.000911329	0.000421901	0.41104573	8.50742E-06	0.001594944	0.000936759	0.002081803	0.00087683
2110 Aug	0.001560593	0.135821372	1.0062E-05	8.704581261	8.67134285	0.098502643	0.003307309	10.27333641	0.004759756	0.011165514	0.000801206	0.000963281	0.000441413	0.431042612	8.46922E-06	0.001736494	0.000879318	0.002027279	0.00095367
2110 Sep	0.001537921	0.129673243	9.88385E-06	8.615988731	8.526576042	0.09463685	0.003289266	10.10042763	0.004700392	0.010976543	0.000766395	0.000947414	0.000435364	0.42521134	8.34317E-06	0.001727994	0.000832201	0.001961219	0.000948616
2110 Oct	0.001506118	0.124720991	9.72656E-06	8.348056793	8.24547863	0.08986856	0.003207059	9.816295624	0.004554121	0.010858702	0.000724031	0.000911507	0.000420433	0.411483645	8.10116E-06	0.001676197	0.000786207	0.001891293	0.000918928
2110 Nov	0.001496621	0.123587362	9.68708E-06	8.259720802	8.158974648	0.08858484	0.003172127	9.730484962	0.004509245	0.010820927	0.000713115	0.000900587	0.000415543	0.407216012	8.00285E-06	0.001658887	0.000774982	0.001873518	0.000908804
2110 Dec	0.001498085	0.123587132	9.68937E-06	8.27449131	8.171309471	0.088675722	0.003177277	9.741862297	0.004516691	0.010823994	0.000713897	0.000902245	0.000416247	0.40789631	8.01198E-06	0.001662401	0.000775379	0.001874477	0.000910756
2111 Jan	0.001498592	0.123590797	9.6901E-06	8.282065392	8.177473068	0.088739201	0.003183936	9.747842789	0.00451918	0.010828882	0.000714152	0.000902883	0.000416715	0.408176631	8.0323E-06	0.001663617	0.000775568	0.001874922	0.000911608
2111 Feb	0.001498766	0.123601258	9.69073E-06	8.287504196	8.181782722	0.088800505	0.00319238	9.752400398	0.004519778	0.010835888	0.000714211	0.000903149	0.000417149	0.408316135	8.06121E-06	0.001663947	0.000775704	0.001875272	0.000912079
2111 Mar	0.001500071	0.123709336	9.69936E-06	8.299303055	8.192314148	0.088931724	0.003204195	9.76455307	0.004523571	0.01085257	0.000714789	0.000904063	0.000417929	0.408752531	8.09997E-06	0.001665417	0.000776428	0.001877152	0.000913212
2111 Apr	0.001505117	0.124124549	9.73226E-06	8.331716537	8.223186493	0.089282483	0.003223822	9.800959587	0.004538655	0.010896217	0.000717148	0.000907231	0.000419744	0.410206318	8.15829E-06	0.001671045	0.000779077	0.001883723	0.000916617
2111 May	0.001509489	0.129013747	9.79805E-06	8.225741386	8.202692032	0.091344774	0.003193342	9.836072922	0.004489705	0.011021505	0.000734513	0.000894127	0.000416173	0.407016397	8.16785E-06	0.001634062	0.000806348	0.001896729	0.000896592
2111 Jun	0.00143033	0.140232027	9.72553E-06	7.154173374	7.470879555	0.091438271	0.0027216979	9.2325	0.003994839	0.010927096	0.000742691	0.000783573	0.000366188	0.363414019	7.25272E-06	0.001367964	0.000864036	0.001891697	0.000746359
2111 Jul	0.001517588	0.141663387	9.99475E-06	8.020730019	8.197914124	0.0974162	0.003099018	9.926998138	0.004412233	0.011289313	0.000788631	0.00087896	0.000410031	0.401991308	8.1444E-06	0.001559056	0.000895157	0.001979296	0.000856115
2111 Aug	0.001564225	0.136016294	9.9422E-06	8.672678947	8.670325279	0.09860827	0.003288977	10.30158329	0.004741494	0.01111657	0.000802305	0.000951906	0.000439238	0.430770963	8.34801E-06	0.001730516	0.00087211	0.00197507	0.000950458
2111 Sep	0.001577444	0.132875741	9.93073E-06	8.913681984	8.831337929	0.098600626	0.003415557	10.43763351	0.004845132	0.011097263	0.000798746	0.000974268	0.000451108	0.440275878	8.61645E-06	0.001787705	0.000854998	0.001966583	0.000983889
2111 Oct	0.001545117	0.128907531	9.79761E-06	8.641167641	8.556233406	0.094458714	0.003334485	10.1611824	0.004697201	0.01099222	0.000761777	0.000939377	0.000436584	0.426461607	8.41148E-06	0.001731641	0.000817356	0.001909821	0.000952288
2111 Nov	0.001520657	0.126389414	9.72413E-06	8.396255493	8.321913719	0.091171943	0.003241951	9.935351372	0.004573273	0.010923975	0.000733532	0.000909457	0.000423322	0.414667666	8.17007E-06	0.001681524	0.000790146	0.001869356	0.000923219
2111 Dec	0.001521749	0.12635462	9.72618E-06	8.407061577	8.33043766	0.091210902	0.003246686	9.943383217	0.004578407	0.010928021	0.000733791	0.000910562	0.000423837	0.415139526	8.1795E-06	0.001684065	0.000790082	0.001869743	0.000924653
2112 Jan	0.001522301	0.126359493	9.7268E-06	8.413506508	8.335833549	0.091259852	0.003250366	9.948474884	0.004581174	0.010930412	0.000734085	0.000911207	0.000424181	0.415413946	8.18906E-06	0.001685381	0.000790277	0.001870113	0.00092545
2112 Feb	0.001522861	0.126383483	9.72827E-06	8.419714928	8.341201782	0.091318056	0.003254837	9.953886032	0.004583586	0.010934512	0.000734388	0.000911779	0.000424541	0.415667713	8.20215E-06	0.001686473	0.000790555	0.001870627	0.000926158
2112 Mar	0.001524597	0.126512498	9.73832E-06	8.433274269	8.353609085	0.091459848	0.003264644	9.967914581	0.004589185	0.01095042	0.000735221	0.00091302	0.000425338	0.416237831	8.23206E-06	0.001688691	0.000791458	0.001872791	0.000927591
2112 Apr	0.001529093	0.126879141	9.76688E-06	8.462508202	8.381443024	0.091776393	0.003282244	10.00058937	0.00460277	0.01098864	0.000737357	0.000915869	0.000426072	0.417551219	8.28403E-06	0.001693796	0.000793814	0.0018785	0.00093068
2112 May	0.0015338	0.133302346	9.81534E-06	8.302185059	8.342166901	0.09436807	0.003179386	10.02439499	0.004544439	0.01106829	0.000763018	0.000899474	0.000419928	0.413409531	8.06785E-06	0.001648074	0.000831438	0.001891119	0.000903755
2112 Jun	0.001360292	0.136701256	9.51171E-06	6.624015331	6.987613678	0.086678252	0.002388273	8.697207451	0.00376782	0.010483722	0.000711231	0.000738959	0.000337114	0.340044349	6.36707E-06	0.001268521	0.000847253	0.001868158	0.000687172
2112 Jul	0.00140234	0.133318722	9.64183E-06	7.252831459	7.445091248	0.088841811	0.002686745	9.067635536	0.004058422	0.010620634	0.000724669	0.000812525	0.000368745	0.36566025	7.08528E-06	0.001413278	0.000850109	0.001936747	0.000771853
2112 Aug	0.001485065	0.133705407	9.8263E-06	8.066703796	8.126842499	0.093969606	0.002976075	9.709885597	0.004469479	0.010821176	0.000768146	0.000903208	0.000407914	0.403102189	7.62482E-06	0.00160445	0.000872014	0.001996706	0.000878534
2112 Sep	0.001509598	0.132022515	9.8448E-06	8.386013985	8.370502472	0.09522108	0.003142229	9.93119812	0.004610156	0.010879092	0.00077499	0.000934525	0.000424157	0.416413665	8.00795E-06	0.001675879	0.000866937	0.002002156	0.000920525
2112 Oct	0.001519513	0.130465358	9.81393E-06	8.538539886	8.478343964	0.095406726	0.003229789	10.02059555	0.004672555	0.010894884	0.000774316	0.000948542	0.000431736	0.422449291	8.20248E-06	0.001711242	0.000859401	0.001994802	0.00094146
2112 Nov	0.001524164	0.130277351	9.81766E-06	8.58554554	8.515492439	0.095566519	0.003245153	10.05409145	0.004696331	0.010901822	0.000775733	0.000953629	0.000433851	0.424587607	8.22287E-06	0.001723095	0.000859091	0.001995748	0.000947951
2112 Dec	0.00152513	0.130299851	9.82056E-06	8.594032288	8.522807121	0.095625482	0.003248228	10.06125927	0.004700655	0.010905378	0.000776226	0.000954573	0.000434261	0.424982339	8.22887E-06	0.001725049	0.000859417	0.001996546	0.000949039
2113 Jan	0.001525844	0.130295366	9.82096E-06	8.602381706	8.52971077	0.095681742	0.003252098	10.06753635	0.004704508	0.010907091	0.00077663	0.000955546	0.000434685	0.425349802	8.2377E-06	0.001726905	0.000859628	0.001996968	0.000950119
2113 Feb	0.001526109	0.130315661	9.82231E-06	8.606453896	8.533131599	0.095727868	0.003257337	10.07126713	0.004705356	0.01091228	0.000776746	0.000955715	0.000434982	0.425476581	8.25531E-06	0.001727281	0.0008598	0.001997369	0.000950493
2113 Mar	0.001528604	0.130514622	9.83759E-06	8.624180794	8.549732208	0.095918618	0.003268519	10.09023952	0.004713328	0.010933678	0.000778	0.000957449	0.000435988	0.426256806	8.28867E-06	0.001730347	0.00086119	0.002000672	0.000952386
2113 Apr	0.001533007	0.130886257	9.86596E-06	8.652700424	8.577048302	0.096234895	0.003284894	10.1221199	0.004726876	0.010970554	0.000780205	0.000960325	0.000437571	0.427552938	8.33683E-06	0.0017354	0.000863686	0.002006607	0.000955417
2113 May	0.001534653	0.136495233	9.91957E-06	8.480045319	8.513733864	0.098236717	0.003213237	10.12584591	0.004650437	0.011080538	0.000798321	0.00093975	0.000430482	0.421948344	8.23629E-06	0.001683712	0.000892702	0.002012488	0.000926359
2113 Jun	0.001442497	0.146128446	9.81615E-06	7.255782604	7.634404659	0.096120857	0.002671792	9.384910583	0.004080777	0.010939363	0.000788224	0.000809833	0.000371998	0.371076196	7.14301E-06	0.001387449	0.000929442	0.001977758	0.000757769
2113 Jul	0.001511299	0.146132752	1.00134E-05	7.960529804	8.208665848	0.100244597	0.002969421	9.920098305	0.004422185	0.011178637	0.00082064	0.000887686	0.000407027	0.402190715	7.80829E-06	0.001547416	0.000944892	0.002039462	0.000849345
2113 Aug	0.001588553	0.145731062	1.01603E-05	8.747319221	8.856110573	0.104785584	0.003248472	10.51725006	0.004817443	0.011332434	0.0008597	0.000975403	0.000444713	0.438062578	8.32143E-06	0.001734272	0.000960103	0.002089887	0.000953886
2113 Sep	0.001602419	0.14253822	1.01129E-05	8.964413643	8.999871254	0.104411684	0.003324797	10.62726212	0.004921284	0.011275646	0.000856139	0.000997357	0.000454067	0.447203249	8.40166E-06	0.001793036	0.000942955	0.002074691	0.000986329
2113 Oct	0.0015584	0.136102408	9.89559E-06	8.635739326	8.648229599	0.098600537	0.003236724	10.26149464	0.004736106	0.011093242	0.000803968	0.000953577	0.000436313	0.429925829	8.16317E-06	0.001727863	0.000885547	0.001988871	0.000949791
2113 Nov	0.001545668	0.134448692	9.86585E-06	8.496858597	8.511947632	0.096490897	0.003186625	10.13375664	0.00466542	0.011069841	0.000785553	0.000935827	0.00042865	0.423135936	8.02835E-06	0.001699814	0.00086693	0.00196366	0.000933373
2113 Dec	0.00154669	0.134468958	9.86896E-06	8.505584717	8.519441605	0.09654773	0.003189597	10.14112186	0.004669933	0.011073505	0.000786038	0.000936799	0.000429063	0.423544526	8.03368E-06	0.001701862	0.000867231	0.001964449	0.000934504
2114 Jan	0.001547098	0.134478256	9.86977E-06	8.510080338	8.523257256	0.09658429	0.003192413	10.14486027	0.004671801	0.01107583	0.000786241	0.000937232	0.00042931	0.423733354	8.04138E-06	0.001702732	0.000867386	0.001964753	0.000935043
2114 Feb	0.001547211	0.13449274	9.87044E-06	8.513358116	8.525928497	0.096626371	0.00319803	10.1478405	0.004672007	0.01108092	0.00078627	0.000937361	0.000429586	0.423810959	8.06094E-06	0.001702838	0.0008675	0.001965005	0.000935297
2114 Mar	0.001548457	0.134603128	9.87857E-06	8.523377419	8.535161972	0.096742615	0.003206982	10.15859604	0.004675628	0.011095041	0.000786868	0.000938194	0.000430223	0.424206316	8.08989E-06	0.0017042	0.000868237	0.001966759	0.000936276
2114 Apr	0.001551619	0.13487649	9.89893E-06	8.544514656	8.55533886	0.096982583	0.003220836	10.18227863	0.004685077	0.011123545	0.000788434	0.000940217	0.000431439	0.425138563	8.13204E-06	0.00170771	0.000870037	0.001970978	0.000938467
2114 May	0.001543398	0.14222528	9.89399E-06	8.229715347	8.404669762	0.099286415	0.003055708	10.11125469	0.004550786	0.011154702	0.0008124	0.00090575	0.000417124	0.414525867	7.78831E-06	0.001624403	0.000908954	0.00196688	0.000890334
2114 Jun	0.001540632	0.1530357	9.94739E-06	7.883742332	8.273890495	0.103383586	0.002884612	10.0902586	0.004404155	0.011279251	0.000851538	0.00086839	0.000402522	0.403552413	7.49072E-06	0.001525043	0.00097086	0.001982483	0.00083391
2114 Jul	0.001636818	0.154758334	1.0225E-05	8.813280106	9.05918026	0.109838478	0.003273899	10.84299755	0.004857908	0.011643637	0.000902761	0.000970626	0.000449026	0.445435464	8.36331E-06	0.00173269	0.0010035	0.002069476	0.000952672
2114 Aug	0.001721111	0.157209098	1.05024E-05	9.553643227	9.700792313	0.115307294	0.003556413	11.47780037	0.00523148	0.011971295	0.00094781	0.001052373	0.000485471	0.479700536	8.95877E-06	0.001899568	0.00103405	0.002144059	0.001046633
2114 Sep	0.001723565	0.15252845	1.04157E-05	9.700540543	9.766727448	0.113712676	0.003602396	11.50139999	0.00529972	0.011844028	0.000934024	0.001066611	0.000490966	0.485218346	8.95571E-06	0.001945556	0.001005644	0.002116326	0.001071729
2114 Oct	0.001714217	0.147807911	1.02825E-05	9.733075142	9.735671997	0.111372076	0.003636965	11.43173218	0.005299839	0.011735034	0.000912274	0.001066666	0.000491434	0.48497203	8.97997E-06	0.001961674	0.000974107	0.002076896	0.00108118
2114 Nov	0.001690465	0.144170031	1.01639E-05	9.561764717	9.548838615	0.108173527	0.003570393	11.22980785	0.005209666	0.011605998	0.00088503	0.001045594	0.000481647	0.476177514	8.77788E-06	0.001931116	0.000943758	0.002033821	0.001063241
2114 Dec	0.001690714	0.14404273	1.01619E-05	9.56658268	9.551271439	0.1081267	0.003572428	11.23117447	0.00521179	0.01160483	0.000884594	0.001046032	0.000481833	0.476356953	8.77976E-06	0.001932537	0.000942951	0.002033048	0.001064025

Appendix D.2-1: CP1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Jan	0.001691296	0.144052491	1.01629E-05	9.572321892	9.556194305	0.108168699	0.003574739	11.23585129	0.00521459	0.011606501	0.0008849	0.001046654	0.000482114	0.47661984	8.78459E-06	0.001933836	0.000943156	0.002033426	0.001064765
2115 Feb	0.001691846	0.144073769	1.01641E-05	9.578519821	9.561533928	0.108225726	0.003579086	11.24117565	0.005217026	0.011610283	0.000885199	0.001047231	0.00048247	0.47687456	8.79716E-06	0.001934948	0.000943424	0.002033908	0.001065483
2115 Mar	0.001692702	0.144134566	1.01685E-05	9.586539268	9.568685532	0.108310573	0.00358586	11.24902439	0.005219941	0.011619028	0.000885631	0.001047917	0.000482966	0.477191538	8.81839E-06	0.001936153	0.000943896	0.002034962	0.001066321
2115 Apr	0.001697511	0.144532129	1.01972E-05	9.619370461	9.599930763	0.108675696	0.003606095	11.28509903	0.005234891	0.011659386	0.000888098	0.001051105	0.00048482	0.478659064	8.87825E-06	0.001941847	0.000946585	0.002040971	0.001069815
2115 May	0.001670978	0.150872767	1.01814E-05	9.164495468	9.313448906	0.109550498	0.003425888	11.08166409	0.005018843	0.011684304	0.000897424	0.0009999	0.000464413	0.460530519	8.57422E-06	0.001822598	0.000975103	0.002029854	0.001002918
2115 Jun	0.001671128	0.159097239	1.0306E-05	8.893590927	9.200194359	0.112259381	0.003314289	11.06606674	0.004900154	0.011868288	0.000921879	0.000969617	0.000453238	0.451271504	8.43185E-06	0.001742283	0.001018872	0.002052315	0.00095778
2115 Jul	0.001762594	0.160218328	1.05442E-05	9.748959541	9.92051506	0.117723919	0.003604273	11.7465744	0.005338513	0.012115926	0.000969792	0.001066598	0.000494108	0.490846813	8.96394E-06	0.001944257	0.001044739	0.002124669	0.001070407
2115 Aug	0.001771911	0.153889939	1.04388E-05	10.04984093	10.08912373	0.116365582	0.003680505	11.83435726	0.005487901	0.011875147	0.000960651	0.00110039	0.000506556	0.503034115	8.97741E-06	0.002032528	0.001009314	0.002099808	0.001119061
2115 Sep	0.00178434	0.150826275	1.04367E-05	10.2938509	10.25108719	0.116441965	0.003816606	11.96892548	0.005590671	0.011867316	0.00095734	0.001123528	0.000518881	0.512456954	9.28907E-06	0.002088966	0.000993665	0.002096688	0.001152733
2115 Oct	0.001792566	0.149202675	1.04157E-05	10.45348454	10.36065578	0.116714939	0.003935193	12.05952072	0.005647708	0.011912518	0.000955507	0.00113755	0.000527586	0.518223464	9.60389E-06	0.002121957	0.00098645	0.002094059	0.001173729
2115 Nov	0.001771456	0.146346673	1.035E-05	10.28256607	10.18029213	0.113838017	0.003898853	11.87886333	0.005550751	0.011870153	0.000928838	0.001115094	0.000518685	0.509111583	9.52991E-06	0.002085592	0.000959757	0.002060515	0.00115367
2115 Dec	0.001770755	0.146215841	1.03494E-05	10.27473927	10.17199707	0.113687061	0.003896367	11.871068	0.005546686	0.011870275	0.000927488	0.001114063	0.000518238	0.508708298	9.52296E-06	0.002084072	0.000958394	0.002059059	0.001152774
2116 Jan	0.001771571	0.14621976	1.03503E-05	10.28364563	10.17947006	0.113749541	0.003900372	11.87800312	0.005550864	0.011872581	0.000927929	0.001115014	0.000518686	0.509105086	9.53199E-06	0.002086051	0.000958662	0.002059586	0.001153923
2116 Feb	0.001772086	0.146264389	1.03528E-05	10.28813267	10.18364239	0.11380332	0.00390412	11.88267136	0.005552515	0.011877607	0.000928189	0.001115392	0.000518961	0.509287894	9.54376E-06	0.002086707	0.000958985	0.002060164	0.001154381
2116 Mar	0.001772877	0.146333992	1.03575E-05	10.29534817	10.19018459	0.113887936	0.003911269	11.89018154	0.005554839	0.011887374	0.000928572	0.001115948	0.000519437	0.509558976	9.56713E-06	0.002087609	0.00095946	0.002061229	0.001155076
2116 Apr	0.001777476	0.146714032	1.03847E-05	10.32554817	10.21920395	0.11422424	0.003928371	11.9238224	0.005569122	0.01192388	0.00093094	0.001118937	0.000521104	0.510941088	9.61641E-06	0.002093031	0.000961982	0.00206678	0.001158327
2116 May	0.001773366	0.15111807	1.03979E-05	10.13636589	10.12754536	0.11549519	0.003809697	11.87656975	0.005495557	0.011936692	0.000945578	0.001100099	0.000511984	0.504810691	9.34025E-06	0.002045752	0.000986573	0.002070354	0.001130106
2116 Jun	0.001504151	0.148132697	9.99023E-06	7.671031475	8.013258934	0.098950744	0.002767283	9.786366463	0.004311744	0.011132704	0.000815386	0.000853735	0.000390239	0.392007619	7.1978E-06	0.00149	0.000941928	0.001998243	0.000814542
2116 Jul	0.001560024	0.147900283	1.02536E-05	8.280324936	8.495375633	0.102259181	0.003052791	10.23052788	0.004602554	0.011431016	0.000838409	0.000924013	0.000421222	0.417938262	7.90821E-06	0.001624313	0.000960094	0.002085242	0.000892998
2116 Aug	0.001631818	0.149310783	1.04721E-05	8.927485466	9.049285889	0.106683321	0.003280956	10.77066994	0.004933846	0.01166491	0.000875818	0.000996202	0.000452454	0.44803676	8.34541E-06	0.001774227	0.00098288	0.002144867	0.000976815
2116 Sep	0.00164115	0.143939644	1.03348E-05	9.159648895	9.1819067	0.105305076	0.003345647	10.84440041	0.005045443	0.011503216	0.000864917	0.001019714	0.000461436	0.45758599	8.33049E-06	0.001844236	0.00095241	0.002108114	0.001014917
2116 Oct	0.001621662	0.138338357	1.0181E-05	9.068464279	9.037062645	0.101458952	0.003354283	10.67708588	0.004976996	0.011405203	0.000828827	0.00100245	0.000455712	0.451204002	8.31099E-06	0.001831445	0.000906835	0.002045914	0.001008336
2116 Nov	0.001621602	0.137802333	1.01812E-05	9.061601639	9.024477005	0.100986384	0.003353261	10.66597366	0.004972863	0.011411901	0.000824528	0.001000784	0.000455069	0.450725287	8.29772E-06	0.001831203	0.000901485	0.002040247	0.001007997
2116 Dec	0.001622579	0.137788653	1.01821E-05	9.072468758	9.033373833	0.101050273	0.003357542	10.6739912	0.004978137	0.011413696	0.000825048	0.001001979	0.000455598	0.45121336	8.30618E-06	0.001833747	0.000901704	0.002040816	0.001009444
2117 Jan	0.001622971	0.137788191	1.01824E-05	9.077757835	9.037704468	0.101090781	0.003361277	10.67807388	0.004980162	0.011416065	0.00082525	0.001002471	0.0004559	0.451424569	8.31675E-06	0.001834734	0.00090183	0.002041082	0.001010081
2117 Feb	0.001623077	0.1377967	1.01828E-05	9.081183434	9.040435791	0.101131126	0.003366795	10.68100166	0.004980473	0.011420688	0.00082528	0.001002626	0.000456178	0.451509744	8.33575E-06	0.001834909	0.000901922	0.002041296	0.001010369
2117 Mar	0.001623994	0.137876257	1.01887E-05	9.089024544	9.04757309	0.101221196	0.003374154	10.68924618	0.004983168	0.011431576	0.000825716	0.00100326	0.000456685	0.451811314	8.35968E-06	0.001835939	0.000902464	0.002042595	0.001011133
2117 Apr	0.001629466	0.138339579	1.02233E-05	9.123722076	9.08105278	0.101608589	0.00339355	10.72848129	0.004999836	0.01147659	0.000828453	0.001006754	0.000458594	0.453404576	8.41604E-06	0.001842148	0.000905534	0.00204971	0.001014842
2117 May	0.001620499	0.143623918	1.02632E-05	8.864610672	8.939331055	0.102935016	0.003303695	10.65626526	0.004875684	0.011570495	0.000839978	0.000976252	0.000447652	0.443446517	8.3087E-06	0.001768801	0.000930408	0.002050913	0.000974064
2117 Jun	0.001567003	0.155399576	1.02472E-05	7.962952137	8.358137131	0.104065299	0.002941189	10.23397064	0.004449343	0.011617617	0.000853525	0.000875474	0.0004067	0.407225072	7.68079E-06	0.001535058	0.000981488	0.002030489	0.0008422
2117 Jul	0.001636737	0.157108307	1.04943E-05	8.60737133	8.904383659	0.108625591	0.003231256	10.77070141	0.004759681	0.011937898	0.000888485	0.000945021	0.000439545	0.435962826	8.37446E-06	0.001675111	0.001004189	0.002096909	0.000923413
2117 Aug	0.001699232	0.156658635	1.06244E-05	9.247292519	9.428803444	0.112245865	0.003463131	11.25634098	0.005079983	0.012069673	0.000919122	0.001016011	0.0004703	0.465012044	8.81033E-06	0.001826464	0.001015485	0.002138835	0.001008725
2117 Sep	0.001720753	0.155739903	1.06634E-05	9.49575901	9.621986389	0.113291167	0.00358778	11.43542957	0.005192308	0.012144761	0.000925362	0.001041054	0.000482804	0.475513995	9.09635E-06	0.001882165	0.001014057	0.00214887	0.001004139
2117 Oct	0.001701743	0.152686507	1.05757E-05	9.38053894	9.485886574	0.110868901	0.003589589	11.29107475	0.005115752	0.012095146	0.000901561	0.001023856	0.00047716	0.468609065	9.12819E-06	0.001856572	0.000988075	0.002114464	0.001028312
2117 Nov	0.001695753	0.15182364	1.05511E-05	9.33694458	9.438464165	0.11008729	0.003581206	11.2421093	0.00509029	0.012076538	0.000894317	0.001017977	0.000474889	0.466238856	9.11038E-06	0.001847461	0.000980368	0.002104048	0.001023325
2117 Dec	0.001696563	0.151769757	1.05517E-05	9.345359802	9.444840431	0.11010202	0.003583735	11.24768257	0.005094605	0.012077363	0.000894463	0.001018898	0.000475254	0.46661821	9.1129E-06	0.001849664	0.000980175	0.002104146	0.001024528
2118 Jan	0.001696998	0.151775867	1.05524E-05	9.350304604	9.448999405	0.110140391	0.003586703	11.25168324	0.00509669	0.012079541	0.000894676	0.00101938	0.000475521	0.466827065	9.12081E-06	0.001850649	0.000980326	0.002104437	0.001025135
2118 Feb	0.00169715	0.151798546	1.05534E-05	9.353000641	9.451343536	0.110179089	0.003591156	11.25441837	0.005096938	0.012084101	0.000894729	0.001019491	0.000475743	0.466897488	9.13635E-06	0.001850737	0.000980476	0.002104708	0.001025336
2118 Mar	0.001697633	0.15184553	1.05565E-05	9.358029366	9.455832481	0.110240914	0.003597071	11.25961494	0.005098244	0.012091577	0.000894953	0.001019832	0.000476099	0.467069685	9.15625E-06	0.001851234	0.000980795	0.002105434	0.001025789
2118 Apr	0.001701832	0.152899012	1.05769E-05	9.360631943	9.472979546	0.110805891	0.003598822	11.28927422	0.005100751	0.012126931	0.000896991	0.001019481	0.000476202	0.467585027	9.16947E-06	0.00184946	0.000986478	0.002108172	0.001024804
2118 May	0.001649201	0.162086815	1.04556E-05	8.537329674	8.931303024	0.111140378	0.003213505	10.86829376	0.004723553	0.012015127	0.000903066	0.000929088	0.000436685	0.435167491	8.35336E-06	0.00164734	0.001024428	0.002066202	0.000908366
2118 Jun	0.001503521	0.169502288	1.01094E-05	6.932378769	7.712165833	0.106258549	0.002527355	9.763566971	0.003956499	0.011579215	0.000872738	0.000758371	0.000360021	0.366362393	6.95687E-06	0.001266381	0.001043904	0.001983969	0.00069183
2118 Jul	0.001608253	0.171724096	1.04158E-05	7.90698719	8.544103622	0.113105088	0.002887995	10.56155109	0.0044489	0.011938174	0.000930025	0.000868352	0.000407607	0.411261529	7.69209E-06	0.001489938	0.00108233	0.002080085	0.000818179
2118 Aug	0.001651003	0.167343765	1.04245E-05	8.465177536	8.953954697	0.11423558	0.003051525	10.89912796	0.004733793	0.01184962	0.000941981	0.000931218	0.000432614	0.436048687	7.87376E-06	0.001635511	0.001066842	0.002088319	0.000898745
2118 Sep	0.00164267	0.157596976	1.01945E-05	8.658337593	8.99549675	0.110295773	0.003112646	10.84615135	0.004816133	0.01155548	0.000908583	0.000949604	0.000438842	0.44215712	7.81955E-06	0.001704456	0.001007644	0.002025625	0.000936616
2118 Oct	0.001628253	0.150725722	1.00264E-05	8.684885025	8.930438995	0.106610559	0.003151809	10.72794533	0.004808334	0.011412507	0.00087503	0.000947958	0.000438392	0.440812767	7.83144E-06	0.001723584	0.000960786	0.001972224	0.000947755
2118 Nov	0.001623851	0.149125308	9.99512E-06	8.672401428	8.89909935	0.105571613	0.003157713	10.68836594	0.004796515	0.011390965	0.000865373	0.0009451	0.000437406	0.439579278	7.8338E-06	0.001723245	0.000948627	0.001958937	0.000947699
2118 Dec	0.001624144	0.14913854	9.99751E-06	8.674594879	8.900913239	0.105586566	0.003160356	10.69071007	0.004797107	0.011395453	0.000865367	0.000945223	0.000437553	0.439650476	7.84245E-06	0.001723483	0.000948645	0.001959257	0.0009479
2119 Jan	0.001624658	0.149143547	9.99856E-06	8.682310104	8.907167435	0.105651572	0.003167474	10.69685459	0.004799545	0.011400999	0.000865607	0.000945857	0.000438039	0.439929903	7.86449E-06	0.001724671	0.000948832	0.001959753	0.000948761
2119 Feb	0.001625173	0.149164587	1.00001E-05	8.689387321	8.913090706	0.105719969	0.003174321	10.70289898	0.004801714	0.011407055	0.000865868	0.00094642	0.000438495	0.440185905	7.88615E-06	0.001725678	0.000949092	0.001960321	0.000949518
2119 Mar	0.001626803	0.149314627	1.00103E-05	8.701174736	8.924313545	0.105862252	0.003183583	10.71609211	0.004806426	0.011423371	0.000866699	0.000947453	0.000439214	0.440681219	7.91542E-06	0.00172742	0.000950075	0.001962449	0.000950696
2119 Apr	0.001637041	0.15262413	1.00516E-05	8.690857887	8.96385479	0.107631296	0.00318895	10.79459953	0.00480203	0.011520238	0.000871373	0.000943765	0.000438733	0.44138658	7.96776E-06	0.001716532	0.00096767	0.001966515	0.000944963
2119 May	0.001579802	0.171534047	9.91228E-06	7.518740654	8.279549599	0.111541323	0.002665038	10.34511566	0.004261531	0.011507355	0.000879831	0.000809816	0.000381733	0.397235036	6.94062E-06	0.00141265	0.00105341	0.001907828	0.000771063
2119 Jun	0.001555932	0.172704071	9.86494E-06	7.308530807	8.118361473	0.11123798	0.002582574	10.18512249	0.004158866	0.011440139	0.000883529	0.000790237	0.000372806	0.387939841	6.81113E-06	0.001360721	0.001062987	0.001912327	0.000742498
2119 Jul	0.001661311	0.173936695	1.01441E-05	8.347512245	8.990794182	0.118116327	0.002971487	11.00369549	0.004679766	0.011768839	0.000940877	0.000908146	0.000423508	0.435342014	7.60186E-06	0.001600753	0.001099606	0.002010328	0.000878694
2119 Aug	0.001712295	0.172435194	1.02764E-05	8.872458458	9.406331062	0.120283522	0.003138386	11.38686657	0.004950662	0.011845239	0.000960946	0.000966879	0.000447887	0.45920521	7.85716E-06	0.001730162	0.001100114	0.002042632	0.000950586
2119 Sep	0.0017145	0.166016892	1.0173E-05	9.100682259	9.513735771	0.118390158	0.003235317	11.42828178	0.005050161	0.011692187	0.000945516	0.000990041	0.000457803	0.467381805	7.98176E-06	0.001795716	0.001064138	0.002016448	0.000987973
2119 Oct	0.001708072	0.160893247	1.00629E-05	9.194616318	9.523760796	0.11623168	0.003316233	11.39144135	0.005073415	0.011617299	0.000925724	0.0009968	0.00046201	0.469245076	8.14626E-06	0.001823639	0.001032389	0.001986657	0.001005253
2119 Nov	0.001698759	0.158955216	1.00168E-05	9.155888557	9.465054512	0.114917085	0.003324793	11.32201385	0.005043839	0.01158578	0.000913662	0.000990666	0.000460107	0.466461599	8.17617E-06	0.001816071	0.001017834	0.001970724	0.001001695
2119 Dec	0.001699643	0.158961266	1.00193E-05	9.167333603	9.474322319	0.115003653	0.003334148	11.33115196	0.005047894	0.011593824	0.000914054	0.000991669	0.000460795	0.466894984	8.2042E-06	0.001818014	0.001018087	0.001971582	0.001003015

Appendix D.2-2: SP6

Constituents	**Total Dissolved Solids**	**Ammonia**	**Nitrate**	**Nitrite**	**Chloride**	**Fluoride**	**Sulphate**	**Total Cyanide**	**Weakly Acid Dissociable Cyanide**	**Silver**	**Aluminum**	**Arsenic**	**Boron**	**Barium**	**Beryllium**	**Calcium**	**Cadmium**	**Cobalt**	**Chromium**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	23	0.018	0.0058	0.00025	5.4	0.0051	1.8	2.5E-04	2.5E-04	1.3E-06	1.7E-03	4.7E-04	2.1E-03	1.1E-02	1.3E-06	8.3E+00	5.4E-06	1.1E-04	1.6E-04
Operations (2020-2043): Mean	13423	17	29	0.69	7761	0.087	821	1.9E-02	2.7E-03	1.2E-04	1.3E-02	5.7E-02	4.1E-01	1.0E-01	3.0E-05	4.1E+02	1.5E-04	3.0E-03	2.7E-03
Operations (2020-2043): Max	36626	65	87	2.09	21389	0.20	2111	5.5E-02	6.7E-03	3.5E-04	2.0E-02	1.4E-01	8.4E-01	2.6E-01	5.6E-05	1.1E+03	3.6E-04	9.3E-03	7.1E-03
Active Closure (2044-2050): Min	131	0.22	0.63	0.0081	21	0.071	51	1.3E-03	7.6E-04	5.2E-06	5.8E-03	3.4E-03	9.5E-02	1.9E-02	7.1E-06	2.0E+01	2.4E-05	6.8E-04	1.8E-04
Active Closure (2044-2050): Mean	381	1.0	2.6	0.024	114	0.10	122	2.4E-03	8.7E-04	6.6E-06	1.0E-02	8.9E-03	2.0E-01	3.3E-02	1.1E-05	4.3E+01	4.8E-05	1.7E-03	3.4E-04
Active Closure (2044-2050): Max	2556	10	26	0.21	1294	0.13	272	6.5E-03	1.2E-03	2.2E-05	1.6E-02	3.1E-02	2.8E-01	5.2E-02	2.6E-05	1.2E+02	7.6E-05	6.8E-03	8.0E-04
Water quality guideline for the protection of terrestrial life	***3000***	***-***	***-***	***10***	***-***	***2***	***1000***	***-***	***-***	***-***	***5***	***0.025***	***5***	***-***	***0.1***	***1000***	***0.08***	***1***	***0.05***
Post Closure (2051-2119): Min	283	0.028	0.0055	0.000	19	0.064	154	2.8E-03	4.6E-04	5.3E-06	1.2E-02	1.0E-02	2.6E-01	4.0E-02	1.1E-05	4.9E+01	6.0E-05	1.8E-03	3.9E-04
Post Closure (2051-2119): Mean	543	0.089	0.10	0.002	24	0.090	323	4.9E-03	5.8E-04	6.5E-06	1.9E-02	2.1E-02	5.4E-01	7.3E-02	1.8E-05	9.6E+01	1.1E-04	3.6E-03	7.6E-04
Post Closure (2051-2119): Max	690	0.34	1.0	0.010	33	0.15	412	6.5E-03	7.7E-04	7.7E-06	2.3E-02	2.7E-02	6.7E-01	9.0E-02	2.2E-05	1.2E+02	1.3E-04	4.5E-03	9.3E-04
Water quality guideline for the protection of terrestrial life	***3000***	***-***	***-***	***10***	***-***	***2***	***1000***	***-***	***-***	***-***	***5***	***0.025***	***5***	***-***	***0.1***	***1000***	***0.08***	***1***	***0.05***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	89.95674896	0.068989627	0.022746582	0.00099985	21.22180939	0.019996995	7.24890995	0.00099985	0.00099985	4.99925E-06	0.006673997	0.001832225	0.00844873	0.041843709	4.99925E-06	33.61994934	2.12968E-05	0.000449932	0.000649902
2020 Feb	89.9434967	0.068979472	0.022743231	0.000999702	21.21868515	0.01999405	7.247842789	0.000999702	0.000999702	4.99851E-06	0.006673014	0.001831955	0.008447486	0.041837551	4.99851E-06	33.61499786	2.12937E-05	0.000449866	0.000649807
2020 Mar	89.95115662	0.068985343	0.022745166	0.000999787	21.2204895	0.019995751	7.248459339	0.000999787	0.000999787	4.99894E-06	0.006673582	0.001832111	0.008448204	0.041841108	4.99894E-06	33.61785507	2.12955E-05	0.000449904	0.000649862
2020 Apr	90.10732269	0.069105111	0.022784656	0.001001523	21.25733185	0.020030465	7.261044025	0.001001523	0.001001523	5.00762E-06	0.006685168	0.001835292	0.008462871	0.041913752	5.00762E-06	33.67622375	2.13324E-05	0.000450686	0.00065099
2020 May	91.19501495	0.069939286	0.023059692	0.001013613	21.51393318	0.020272257	7.348692894	0.001013613	0.001013613	5.06806E-06	0.006765866	0.001857446	0.008565028	0.042419698	5.06806E-06	34.08273315	2.159E-05	0.000456126	0.000658848
2020 Jun	78.19762421	0.059971321	0.019773154	0.00086915	18.4477005	0.017382992	6.301334381	0.00086915	0.00086915	4.34575E-06	0.005801573	0.001592717	0.007344314	0.03637391	4.34575E-06	29.22515488	1.85129E-05	0.000391117	0.000564947
2020 Jul	76.44700623	0.058628734	0.01933049	0.000849692	18.03470993	0.016993836	6.160265923	0.000849692	0.000849692	4.24846E-06	0.005671693	0.00155706	0.007179896	0.035559602	4.24846E-06	28.57088661	1.80984E-05	0.000382361	0.0005523
2020 Aug	78.73486328	0.060383338	0.019908998	0.000875121	18.5744381	0.017502416	6.344626427	0.000875121	0.000875121	4.3756E-06	0.005841432	0.001603659	0.007394771	0.036623806	4.3756E-06	29.42593765	1.86401E-05	0.000393804	0.000568829
2020 Sep	74.94089508	0.057473674	0.018949654	0.000832952	17.6794014	0.016659036	6.038900375	0.000832952	0.000832952	4.16476E-06	0.005559953	0.001526384	0.007038442	0.034859031	4.16476E-06	28.00800323	1.77419E-05	0.000374828	0.000541419
2020 Oct	70.43426514	0.054017447	0.017810103	0.000782862	16.61623573	0.015657231	5.675746441	0.000782862	0.000782862	3.91431E-06	0.005225601	0.001434594	0.00661518	0.032762758	3.91431E-06	26.32372093	1.6675E-05	0.000352288	0.00050886
2020 Nov	69.08990479	0.052986432	0.017470164	0.000767919	16.29908752	0.015358386	5.567414761	0.000767919	0.000767919	3.8396E-06	0.005125861	0.001407212	0.006488918	0.03213742	3.8396E-06	25.82128525	1.63567E-05	0.000345564	0.000499148
2020 Dec	69.05565643	0.052960165	0.017461503	0.000767539	16.291008	0.015350772	5.564654827	0.000767539	0.000767539	3.83769E-06	0.00512332	0.001406514	0.006485702	0.032121491	3.83769E-06	25.80848503	1.63486E-05	0.000345392	0.0004989
2021 Jan	69.04851532	0.052954689	0.017459698	0.000767459	16.2893219	0.015349185	5.564079762	0.000767459	0.000767459	3.8373E-06	0.00512279	0.001406369	0.006485031	0.032118168	3.8373E-06	25.80581665	1.63469E-05	0.000345357	0.000498849
2021 Feb	69.05345917	0.052958477	0.017460946	0.000767514	16.29048729	0.015350282	5.564477921	0.000767514	0.000767514	3.83757E-06	0.005123157	0.00140647	0.006485494	0.032120466	3.83757E-06	25.80766296	1.63481E-05	0.000345381	0.000498884
2021 Mar	69.07751465	0.052976929	0.017467029	0.000767782	16.29616356	0.01535563	5.566416264	0.000767782	0.000767782	3.83891E-06	0.005124942	0.00140696	0.006487754	0.032131657	3.83891E-06	25.81665421	1.63537E-05	0.000345502	0.000499058
2021 Apr	69.12672424	0.05301467	0.017479474	0.000768328	16.30777359	0.01536657	5.570382118	0.000768328	0.000768328	3.84164E-06	0.005128593	0.001407962	0.006492376	0.032154549	3.84164E-06	25.83504677	1.63654E-05	0.000345748	0.000499414
2021 May	69.81005859	0.053538729	0.017652262	0.000775924	16.46897888	0.015518472	5.62544632	0.000775924	0.000775924	3.87962E-06	0.00517929	0.00142188	0.006556555	0.032472402	3.87962E-06	26.09043121	1.65272E-05	0.000349166	0.00050435
2021 Jun	63.10119629	0.04839357	0.015955849	0.000701356	14.88628197	0.014027121	5.084831238	0.000701356	0.000701356	3.50678E-06	0.004681552	0.001285235	0.005926459	0.029351752	3.50678E-06	23.58309746	1.49389E-05	0.00031561	0.000455881
2021 Jul	62.36795044	0.04783123	0.015770441	0.000693206	14.71330166	0.013864124	5.025744915	0.000693206	0.000693206	3.46603E-06	0.004627151	0.0012703	0.005857592	0.02901068	3.46603E-06	23.30905914	1.47653E-05	0.000311943	0.000450584
2021 Aug	62.81411743	0.048173402	0.015883259	0.000698165	14.81855774	0.013963304	5.06169796	0.000698165	0.000698165	3.49083E-06	0.004660253	0.001279388	0.005899496	0.029218215	3.49083E-06	23.47580528	1.48709E-05	0.000314174	0.000453807
2021 Sep	59.28065109	0.045463521	0.014989783	0.000658892	13.98497486	0.013177832	4.776964188	0.000658892	0.000658892	3.29446E-06	0.004398101	0.001207419	0.005567634	0.027574614	3.29446E-06	22.15522957	1.40344E-05	0.000296501	0.00042828
2021 Oct	57.06132507	0.043761473	0.014428602	0.000634224	13.46140957	0.012684485	4.598125935	0.000634224	0.000634224	3.17112E-06	0.004233447	0.001162216	0.005359195	0.026542284	3.17112E-06	21.3257885	1.3509E-05	0.000285401	0.000412246
2021 Nov	57.11017227	0.043798935	0.014440952	0.000634767	13.47293282	0.012695343	4.602062225	0.000634767	0.000634767	3.17384E-06	0.004237071	0.001163211	0.005363782	0.026565006	3.17384E-06	21.34404564	1.35205E-05	0.000285645	0.000412599
2021 Dec	57.13195419	0.043815639	0.014446462	0.000635009	13.47807121	0.012700185	4.603816986	0.000635009	0.000635009	3.17505E-06	0.004238687	0.001163654	0.005365828	0.026575137	3.17505E-06	21.3521862	1.35257E-05	0.000285754	0.000412756
2022 Jan	57.13059998	0.043814603	0.014446118	0.000634994	13.47775173	0.012699883	4.603708267	0.000634994	0.000634994	3.17497E-06	0.004238586	0.001163627	0.005365701	0.026574507	3.17497E-06	21.35168076	1.35254E-05	0.000285747	0.000412746
2022 Feb	57.12985992	0.04381403	0.014445931	0.000634986	13.47757721	0.01269972	4.603648186	0.000634986	0.000634986	3.17493E-06	0.004238531	0.001163612	0.005365631	0.026574163	3.17493E-06	21.35140228	1.35252E-05	0.000285744	0.000412741
2022 Mar	57.14478683	0.043825477	0.014449705	0.000635152	13.48109818	0.012703037	4.604850769	0.000635152	0.000635152	3.17576E-06	0.004239639	0.001163916	0.005367033	0.026581107	3.17576E-06	21.35698128	1.35287E-05	0.000285818	0.000412849
2022 Apr	57.4897995	0.044090077	0.014536946	0.000638987	13.56249142	0.012779733	4.632653236	0.000638987	0.000638987	3.19493E-06	0.004265236	0.001170943	0.005399437	0.02674159	3.19493E-06	21.48592377	1.36104E-05	0.000287544	0.000415341
2022 May	58.27956772	0.044695769	0.014736647	0.000647765	13.74880695	0.012955295	4.696294308	0.000647765	0.000647765	3.23882E-06	0.00432383	0.001187029	0.005473612	0.027108954	3.23882E-06	21.78108788	1.37974E-05	0.000291494	0.000421047
2022 Jun	53.28776169	0.040867452	0.013474413	0.000592282	12.5711832	0.011845638	4.294044018	0.000592282	0.000592282	2.96141E-06	0.003953482	0.001085357	0.005004782	0.024786998	2.96141E-06	19.91547775	1.26156E-05	0.000266527	0.000384983
2022 Jul	43.30825806	0.033213969	0.010950983	0.000481362	10.21690559	0.009627237	3.489873648	0.000481362	0.000481362	2.40681E-06	0.00321309	0.000882096	0.004067508	0.020144995	2.40681E-06	16.18579292	1.0253E-05	0.000216613	0.000312885
2022 Aug	43.97600174	0.033726074	0.011119829	0.000488784	10.37443447	0.009775674	3.54368186	0.000488784	0.000488784	2.44392E-06	0.003262631	0.000895696	0.004130222	0.020455599	2.44392E-06	16.43535042	1.04111E-05	0.000219953	0.000317709
2022 Sep	42.25597382	0.032406956	0.010684901	0.000469666	9.968660355	0.00939332	3.40507865	0.000469666	0.000469666	2.34833E-06	0.003135021	0.000860663	0.003968678	0.019655524	2.34833E-06	15.79251862	1.00039E-05	0.00021135	0.000305283
2022 Oct	40.81547165	0.031302202	0.010320653	0.000453655	9.628829956	0.009073102	3.288999319	0.000453655	0.000453655	2.26828E-06	0.003028148	0.000831323	0.003833386	0.018985465	2.26828E-06	15.2541523	9.66285E-06	0.000204145	0.000294876
2022 Nov	40.90699005	0.031372391	0.010343795	0.000454672	9.650420189	0.009093447	3.296374321	0.000454672	0.000454672	2.27336E-06	0.003034938	0.000833187	0.003841981	0.019028038	2.27336E-06	15.28835678	9.68452E-06	0.000204603	0.000295537
2022 Dec	40.91962051	0.031382076	0.010346989	0.000454813	9.653399467	0.009096254	3.29739213	0.000454813	0.000454813	2.27406E-06	0.003035875	0.000833444	0.003843167	0.019033913	2.27406E-06	15.29307747	9.68751E-06	0.000204666	0.000295628
2023 Jan	40.91788483	0.031380743	0.010346549	0.000454793	9.652990341	0.009095867	3.297252178	0.000454793	0.000454793	2.27397E-06	0.003035746	0.000833409	0.003843004	0.019033102	2.27397E-06	15.29242706	9.6871E-06	0.000204657	0.000295616
2023 Feb	40.91723633	0.031380247	0.010346387	0.000454786	9.6528368	0.009095724	3.297199965	0.000454786	0.000454786	2.27393E-06	0.003035698	0.000833396	0.003842943	0.019032802	2.27393E-06	15.29218674	9.68695E-06	0.000204654	0.000295611
2023 Mar	40.91965485	0.031382099	0.010346997	0.000454813	9.653407097	0.009096261	3.297394514	0.000454813	0.000454813	2.27407E-06	0.003035877	0.000833445	0.00384317	0.019033927	2.27407E-06	15.29308891	9.68752E-06	0.000204666	0.000295629
2023 Apr	41.05766678	0.031487942	0.010381895	0.000456347	9.685965538	0.009126941	3.308515787	0.000456347	0.000456347	2.28174E-06	0.003046116	0.000836256	0.003856133	0.019098124	2.28174E-06	15.34466839	9.72019E-06	0.000205356	0.000296626
2023 May	41.28082657	0.031659089	0.010438323	0.000458827	9.738611221	0.009176548	3.326498747	0.000458827	0.000458827	2.29414E-06	0.003062673	0.000840801	0.003877091	0.019201927	2.29414E-06	15.42807102	9.77302E-06	0.000206472	0.000298238
2023 Jun	35.66675568	0.027353549	0.009018743	0.000396428	8.414189339	0.007928565	2.874104738	0.000396428	0.000396428	1.98214E-06	0.002646159	0.000726455	0.003349819	0.016590523	1.98214E-06	13.32989979	8.44392E-06	0.000178393	0.000257678
2023 Jul	33.73412323	0.025871374	0.008530054	0.000374947	7.958259583	0.007498949	2.718369007	0.000374947	0.000374947	1.87474E-06	0.002502774	0.000687091	0.003168306	0.01569155	1.87474E-06	12.60760784	7.98638E-06	0.000168726	0.000243716
2023 Aug	34.28973389	0.026297484	0.008670547	0.000381123	8.089334488	0.007622459	2.763141394	0.000381123	0.000381123	1.90561E-06	0.002543996	0.000698408	0.003220489	0.015949996	1.90561E-06	12.81525898	8.11792E-06	0.000171505	0.00024773
2023 Sep	33.89974594	0.025998395	0.008571935	0.000376788	7.997332096	0.007535767	2.731715441	0.000376788	0.000376788	1.88394E-06	0.002515062	0.000690465	0.003183861	0.015768591	1.88394E-06	12.66950703	8.02559E-06	0.000169555	0.000244912
2023 Oct	33.37392426	0.02559513	0.008438975	0.000370944	7.873284817	0.007418879	2.689343691	0.000370944	0.000370944	1.85472E-06	0.002476051	0.000679755	0.003134476	0.015524003	1.85472E-06	12.47299004	7.90111E-06	0.000166925	0.000241114
2023 Nov	33.42036819	0.02563075	0.008450719	0.00037146	7.884241581	0.007429203	2.693085909	0.00037146	0.00037146	1.8573E-06	0.002479496	0.000680701	0.003138838	0.015545608	1.8573E-06	12.49034691	7.9121E-06	0.000167157	0.000241449
2023 Dec	33.42793274	0.025636552	0.008452631	0.000371544	7.886025906	0.007430884	2.693695545	0.000371544	0.000371544	1.85772E-06	0.002480058	0.000680855	0.003139549	0.015549125	1.85772E-06	12.49317455	7.91389E-06	0.000167195	0.000241504
2024 Jan	33.42510605	0.025634382	0.008451916	0.000371513	7.885359287	0.007430256	2.693467855	0.000371513	0.000371513	1.85756E-06	0.002479848	0.000680797	0.003139283	0.01554781	1.85756E-06	12.49211788	7.91322E-06	0.000167181	0.000241483
2024 Feb	33.42369843	0.025633302	0.008451561	0.000371497	7.885026932	0.007429943	2.693354368	0.000371497	0.000371497	1.85749E-06	0.002479743	0.000680769	0.003139151	0.015547155	1.85749E-06	12.49159145	7.91289E-06	0.000167174	0.000241473
2024 Mar	33.45563126	0.025657795	0.008459635	0.000371852	7.892560959	0.007437042	2.69592762	0.000371852	0.000371852	1.85926E-06	0.002482113	0.000681419	0.00314215	0.015562011	1.85926E-06	12.50352669	7.92045E-06	0.000167333	0.000241704
2024 Apr	33.52059555	0.025707616	0.008476062	0.000372574	7.907886028	0.007451483	2.701162577	0.000372574	0.000372574	1.86287E-06	0.002486932	0.000682742	0.003148251	0.015592228	1.86287E-06	12.52780533	7.93583E-06	0.000167658	0.000242173
2024 May	32.95492554	0.025273792	0.008333026	0.000366287	7.774438381	0.007325736	2.655759567	0.000366287	0.000366287	1.83143E-06	0.002444965	0.000671221	0.003095124	0.015329104	1.83143E-06	12.31639481	7.80191E-06	0.000164829	0.000238086
2024 Jun	27.68971252	0.021235794	0.007001657	0.000307765	6.532314777	0.006155302	2.231297016	0.000307765	0.000307765	1.53883E-06	0.002054332	0.00056398	0.002600615	0.01287997	1.53883E-06	10.34860229	6.5554E-06	0.000138494	0.000200047
2024 Jul	28.51620483	0.021869648	0.007210645	0.000316951	6.727293968	0.006339028	2.297897816	0.000316951	0.000316951	1.58476E-06	0.002115651	0.000580814	0.002678239	0.013264418	1.58476E-06	10.65749073	6.75107E-06	0.000142628	0.000206018
2024 Aug	28.98151588	0.022226505	0.007328304	0.000322123	6.837065697	0.006442465	2.335393667	0.000322123	0.000322123	1.61062E-06	0.002150173	0.000590291	0.002721941	0.013480858	1.61062E-06	10.8313942	6.86123E-06	0.000144955	0.00020938
2024 Sep	27.78008461	0.021305101	0.007024508	0.00030877	6.553634644	0.006175392	2.238579512	0.00030877	0.00030877	1.54385E-06	0.002061037	0.00056582	0.002609103	0.012922007	1.54385E-06	10.38237762	6.57679E-06	0.000138946	0.0002007
2024 Oct	27.32852173	0.020958791	0.006910326	0.000303751	6.447106361	0.006075012	2.202191591	0.000303751	0.000303751	1.51875E-06	0.002027535	0.000556623	0.002566692	0.012711962	1.51875E-06	10.21361351	6.46989E-06	0.000136688	0.000197438
2024 Nov	27.09161377	0.020777099	0.00685042	0.000301117	6.391216755	0.006022348	2.183101177	0.000301117	0.000301117	1.50559E-06	0.002009958	0.000551798	0.002544442	0.012601762	1.50559E-06	10.12507153	6.4138E-06	0.000135503	0.000195726
2024 Dec	27.0977726	0.020781823	0.006851978	0.000301186	6.392669678	0.006023717	2.183597565	0.000301186	0.000301186	1.50593E-06	0.002010416	0.000551923	0.00254502	0.012604628	1.50593E-06	10.1273737	6.41526E-06	0.000135534	0.000195771
2025 Jan	27.09466934	0.020779444	0.006851193	0.000301151	6.391937733	0.006023027	2.183347464	0.000301151	0.000301151	1.50576E-06	0.002010186	0.00055186	0.002544729	0.012603184	1.50576E-06	10.12621403	6.41452E-06	0.000135518	0.000195748
2025 Feb	27.09546661	0.020780055	0.006851395	0.00030116	6.392126083	0.006023204	2.183411837	0.00030116	0.00030116	1.5058E-06	0.002010245	0.000551876	0.002544804	0.012603556	1.5058E-06	10.12651253	6.41471E-06	0.000135522	0.000195754
2025 Mar	27.09955597	0.020783192	0.006852429	0.000301206	6.393090248	0.006024113	2.183740854	0.000301206	0.000301206	1.50603E-06	0.002010548	0.000551959	0.002545188	0.012605458	1.50603E-06	10.12804127	6.41568E-06	0.000135543	0.000195784
2025 Apr	27.12446022	0.020802293	0.006858726	0.000301482	6.398965836	0.00602965	2.185747862	0.000301482	0.000301482	1.50741E-06	0.002012396	0.000552467	0.002547527	0.012617041	1.50741E-06	10.13734818	6.42158E-06	0.000135667	0.000195964

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 May	27.54879951	0.021127725	0.006966026	0.000306199	6.499072075	0.006123979	2.219942093	0.000306199	0.000306199	1.53099E-06	0.002043878	0.00056111	0.002587381	0.012814425	1.53099E-06	10.29593849	6.52204E-06	0.00013779	0.000199029
2025 Jun	22.84584427	0.017520934	0.00577683	0.000253927	5.389591694	0.005078532	1.840967774	0.000253927	0.000253927	1.26963E-06	0.00169496	0.00046532	0.00214568	0.010626828	1.26963E-06	8.538281441	5.40864E-06	0.000114267	0.000165052
2025 Jul	55.5554924	0.111185685	0.247900352	0.003443894	21.9516468	0.012569021	6.963389397	0.000319961	0.000319961	2.09595E-06	0.002009202	0.000704064	0.012244329	0.010536436	4.61961E-06	8.322805405	5.68826E-06	0.000181502	0.000160359
2025 Aug	149.5846863	0.491302997	1.218116879	0.01507209	67.59918976	0.027593378	17.51076508	0.000480356	0.000480356	3.51749E-06	0.003223884	0.001346987	0.032901976	0.014834107	9.21487E-06	12.0004282	9.21556E-06	0.000372447	0.000222516
2025 Sep	2849.291992	5.937024117	9.559895515	0.26644972	1623.401978	0.056565072	188.4666748	0.005956475	0.001161552	2.78472E-05	0.006461022	0.01653805	0.132131323	0.036501557	1.69832E-05	93.25199127	4.33338E-05	0.00107509	0.000743533
2025 Oct	9252.274414	17.46558571	25.33106995	0.856282294	5361.01123	0.066600554	558.6700439	0.018962722	0.002657183	8.76118E-05	0.010030484	0.046850778	0.283957154	0.07809186	2.71672E-05	278.4290161	0.000107291	0.001366124	0.001937587
2025 Nov	13274.12402	24.31841469	34.28148651	1.229943752	7722.657715	0.060333822	781.1660767	0.026975924	0.00354106	0.000125492	0.01085907	0.063843742	0.360168934	0.101524547	3.08817E-05	391.4820557	0.000142639	0.001144398	0.002678133
2025 Dec	16845.25586	30.37886238	42.07782364	1.558793068	9819.4375	0.053092547	980.0513306	0.034188669	0.004317157	0.000159084	0.011404826	0.079528973	0.426258564	0.122032352	3.37672E-05	492.7158203	0.00017388	0.00099317	0.003326985
2026 Jan	20155.14648	34.15142059	46.87678528	1.765629888	11762.8877	0.046675611	1164.55603	0.039019365	0.004827391	0.000191741	0.011997603	0.090177208	0.487881929	0.143185511	3.67143E-05	586.6159668	0.000204442	0.000858977	0.003959775
2026 Feb	23026.44336	36.04424286	49.22496033	1.871763468	13448.83691	0.041361801	1324.749634	0.041822426	0.005113882	0.000221213	0.012580727	0.096504822	0.541651189	0.163145706	3.9484E-05	668.1289673	0.000232165	0.00074743	0.004532231
2026 Mar	25214.36914	37.50621796	51.04360199	1.953587174	14733.46094	0.037396647	1446.854126	0.043975916	0.005334661	0.000243654	0.01303221	0.101368316	0.582736015	0.178352073	4.16084E-05	730.2489014	0.000253298	0.000663995	0.004968272
2026 Apr	27068.60547	38.80714417	52.67586136	2.025948048	15821.94531	0.034292985	1550.455933	0.045857701	0.005529996	0.000262627	0.013438376	0.105624706	0.617895186	0.191246256	4.34591E-05	782.9338989	0.000271239	0.000598248	0.005337592
2026 May	28664.6543	40.02358627	54.26210785	2.092257738	16757.80273	0.032752112	1640.10437	0.047539372	0.00571387	0.000278899	0.013896757	0.109467432	0.649874926	0.202765062	4.5337E-05	828.5021973	0.000287022	0.000563798	0.005661729
2026 Jun	18858.22852	30.03432465	41.4425087	1.423952937	10993.36426	0.07272765	1102.239014	0.030199988	0.003929226	0.000183921	0.012070202	0.07181178	0.484819353	0.145702317	3.84487E-05	551.7532959	0.000203944	0.001185772	0.003860453
2026 Jul	18876.41992	30.56961441	42.38460159	1.415825129	10995.09277	0.087768644	1112.177612	0.029683936	0.003902499	0.000184088	0.012777532	0.072018377	0.503638804	0.148072183	4.01915E-05	553.8586426	0.000208552	0.001483064	0.003871648
2026 Aug	20191.68164	33.55864716	46.87690735	1.470991373	11741.2041	0.095560215	1201.786743	0.031382199	0.004096806	0.000196273	0.01482588	0.079919435	0.553627431	0.159953639	4.50334E-05	597.3949585	0.000226073	0.002218508	0.004123908
2026 Sep	22632.62109	38.77222824	54.37596512	1.594340205	13145.3291	0.100305438	1353.666382	0.034256078	0.004385293	0.000218986	0.017376762	0.090976194	0.626448452	0.178679168	4.99814E-05	672.4942017	0.000254446	0.00297384	0.004580296
2026 Oct	19756.35547	32.82025528	47.16554642	1.345701933	11449.3916	0.108610392	1198.611816	0.029952841	0.003880618	0.000190759	0.017642483	0.082617491	0.582429647	0.161563411	4.78235E-05	592.4914551	0.000230663	0.003306478	0.004032246
2026 Nov	24508.36523	36.45175934	51.41696167	1.608323336	14249.98535	0.086452819	1455.293091	0.036794167	0.004587364	0.000238639	0.0177998	0.096046589	0.652613521	0.19050312	5.08152E-05	725.7287598	0.000270832	0.002782568	0.004942119
2026 Dec	27502.42773	38.53948593	53.70662689	1.776785612	16020.30566	0.072256617	1613.785278	0.040904284	0.005010119	0.000268962	0.017533233	0.103374258	0.693718314	0.208230495	5.19448E-05	807.9727173	0.000295351	0.00229296	0.005517941
2027 Jan	29754.03906	39.0069313	54.0931015	1.844395638	17351.53906	0.061880223	1733.108521	0.043594342	0.005286697	0.000291771	0.017349549	0.108118571	0.725007772	0.221631467	5.28289E-05	869.8457031	0.000313886	0.001929532	0.005951794
2027 Feb	31445.7832	38.421875	53.25551605	1.844455957	18351.45898	0.054387696	1823.005615	0.045278482	0.005460002	0.000308908	0.017241463	0.111067548	0.748995602	0.231782362	5.35554E-05	916.4155273	0.000327932	0.001666731	0.006278399
2027 Mar	32743.2793	38.01370621	52.66973114	1.84601903	19118.16602	0.048798706	1892.076416	0.046581596	0.005594709	0.000322043	0.01717406	0.113375358	0.767639518	0.239599332	5.41442E-05	952.1717529	0.000338758	0.001470496	0.006528996
2027 Apr	33970.66797	37.88040924	52.46855164	1.856951118	19842.24414	0.044504192	1958.194336	0.047885958	0.005733601	0.000334419	0.017208904	0.115846924	0.78682971	0.247213647	5.4906E-05	986.2556152	0.000349341	0.001318442	0.006767095
2027 May	35260.97656	38.18599701	53.02045822	1.884060621	20600.22461	0.043137085	2029.20752	0.049335346	0.005896741	0.000347209	0.017497553	0.118873365	0.811920822	0.255869806	5.61712E-05	1022.357605	0.000361366	0.001238548	0.007023646
2027 Jun	24965.01367	30.00244522	42.10039902	1.396667361	14565.0332	0.073912226	1452.764526	0.033362057	0.004284587	0.000244854	0.014565788	0.081627592	0.621390879	0.187271252	4.56674E-05	725.9896851	0.000266656	0.00139705	0.00502529
2027 Jul	23593.30469	28.40924454	40.15615082	1.315518498	13755.90234	0.085913464	1381.130005	0.031166986	0.004098601	0.000231287	0.014619575	0.077200517	0.60465157	0.179454848	4.55998E-05	688.0244141	0.000256392	0.001587797	0.004764609
2027 Aug	24878.39453	29.23029709	42.13421631	1.342879057	14488.55957	0.094338946	1465.473145	0.032931477	0.004316058	0.000242661	0.016390909	0.084514588	0.65058887	0.190488175	4.95133E-05	729.4640503	0.000272438	0.002217665	0.005013493
2027 Sep	21220.26172	25.60026169	40.05029678	1.103939056	12295.7334	0.118388116	1283.344727	0.028713053	0.003815116	0.000203081	0.018653095	0.081267975	0.624181986	0.170759186	4.9429E-05	633.2990112	0.000245734	0.003709022	0.004295624
2027 Oct	22667.22852	25.66044426	40.17276764	1.103725314	13139.22266	0.098714292	1363.016724	0.031520654	0.004072343	0.000218057	0.019423237	0.088360637	0.637255609	0.180115312	5.12753E-05	677.7849731	0.000257464	0.003801367	0.004573103
2027 Nov	26445.19336	27.38731956	41.52910233	1.239825726	15375.47949	0.076620929	1562.693359	0.036524788	0.004583198	0.000256991	0.019011818	0.097039327	0.684496045	0.202648118	5.2956E-05	782.4075928	0.000287919	0.003094821	0.005303945
2027 Dec	29348.52344	28.8144722	42.84514618	1.354197145	17094.92578	0.064009875	1716.02002	0.040129438	0.004949286	0.000286594	0.018581076	0.103125781	0.724987864	0.219929218	5.39398E-05	861.6062012	0.000311796	0.002530489	0.005866283
2028 Jan	31361.45508	29.63785172	43.58131409	1.425002337	18287.07227	0.055219952	1822.433472	0.043248575	0.005277778	0.00030606	0.018240722	0.108686559	0.752928913	0.230532289	5.44933E-05	916.6134644	0.000327293	0.002139581	0.006234623
2028 Feb	32791.51172	30.09210396	44.01497269	1.467556357	19133.54297	0.049245317	1898.278931	0.046063509	0.005583094	0.000318826	0.017990792	0.113966301	0.773263812	0.236778989	5.48048E-05	955.7803955	0.000337365	0.001874252	0.006475762
2028 Mar	33901.96094	30.44912529	44.35915375	1.500708222	19790.78125	0.044644412	1957.206909	0.04824521	0.00581978	0.000328744	0.017801372	0.11806421	0.789118528	0.24164395	5.50558E-05	986.2020264	0.000345208	0.001669873	0.006663113
2028 Apr	34920.80859	30.84213066	44.7882576	1.532760859	20392.88086	0.041041497	2011.80249	0.050185442	0.006032194	0.00033793	0.017706266	0.121800371	0.804685295	0.246416315	5.5444E-05	1014.304138	0.000352757	0.00150879	0.006838116
2028 May	36208.13281	31.5647831	45.7304039	1.578921556	21150.46289	0.038675319	2082.587891	0.052428745	0.006284559	0.000349816	0.017856615	0.126442611	0.827945828	0.253500879	5.64719E-05	1050.441406	0.000363503	0.001396136	0.007069933
2028 Jun	25764.01367	24.78224945	35.86124802	1.256129384	15028.87598	0.07461717	1500.771606	0.035234299	0.004573305	0.000247482	0.01505449	0.086444728	0.642823458	0.185169101	4.59996E-05	750.5778198	0.000269907	0.001465014	0.005074049
2028 Jul	22294.1543	22.74315262	32.95080948	1.14558959	12986.41406	0.09730117	1314.157593	0.029806174	0.004048473	0.000213653	0.014884654	0.074311718	0.604016542	0.163658142	4.51087E-05	652.4147949	0.000241999	0.001588436	0.004456449
2028 Aug	22194.08008	23.30640984	33.60582352	1.1553303	12914.99316	0.116258256	1318.762939	0.029784791	0.004091705	0.000212571	0.016067268	0.074869901	0.641357124	0.164243042	4.91502E-05	651.4625244	0.00024608	0.001683561	0.004513426
2028 Sep	18094.52344	20.95584488	31.29676437	0.978904188	10486.53613	0.140874565	1104.957031	0.024876988	0.003521129	0.000171107	0.016820269	0.067343183	0.595590055	0.14033547	4.64218E-05	539.5062866	0.000214108	0.002459348	0.003745781
2028 Oct	14229.89844	18.96484756	31.26808929	0.781126022	8184.95752	0.153799251	901.098999	0.021160925	0.003022217	0.000130472	0.018028082	0.062920824	0.531740367	0.118084475	4.07524E-05	434.9230652	0.000181291	0.003649652	0.002938405
2028 Nov	18819.81445	21.22203636	33.74849319	0.925492048	10893.37402	0.123988651	1146.735474	0.028701328	0.003819125	0.000175263	0.017968733	0.078096084	0.587040484	0.144531265	4.40159E-05	564.2252197	0.000216966	0.003171719	0.003773274
2028 Dec	22426.21289	23.05090141	35.77696991	1.051822901	13023.2334	0.106454082	1339.772339	0.034275014	0.004405822	0.000210305	0.017733946	0.089088209	0.636587739	0.165036321	4.60206E-05	664.432312	0.000245741	0.002708057	0.004433653
2029 Jan	25093.20703	24.22625542	37.09705734	1.136313558	14598.39648	0.093593128	1482.464478	0.038403515	0.00483411	0.000235578	0.017527992	0.097604565	0.673294842	0.17943646	4.73962E-05	738.4856567	0.000266382	0.002360587	0.004909479
2029 Feb	27038.8125	24.92615318	37.91072464	1.189348221	15747.29395	0.084377907	1586.672729	0.04143016	0.005142367	0.000253389	0.017368102	0.104241565	0.700347543	0.189238355	4.83391E-05	792.5408325	0.000280877	0.002111601	0.005244529
2029 Mar	28609.39063	25.49575996	38.57564545	1.232298374	16674.67188	0.077002048	1670.835327	0.043873161	0.005391412	0.000267768	0.017244639	0.109602705	0.72228241	0.197162956	4.91099E-05	836.1862183	0.000292601	0.001912242	0.005515106
2029 Apr	29986.76758	26.01573753	39.19454956	1.270573497	17487.67578	0.070818432	1744.830566	0.046014775	0.00561095	0.000280386	0.017162541	0.11432042	0.741954267	0.204182088	4.98328E-05	874.5168457	0.000302989	0.001744873	0.005753158
2029 May	31335.41016	26.6866951	40.16902924	1.312661529	18281.29102	0.067158543	1818.438477	0.048086993	0.005829759	0.00029266	0.017268095	0.119026639	0.764880478	0.211527348	5.08298E-05	912.1947632	0.000313875	0.001637465	0.005991803
2029 Jun	27220.94531	26.51609612	39.35167313	1.320973277	15867.29688	0.090265043	1589.679321	0.038282301	0.004930118	0.000251897	0.016202809	0.09619271	0.700224698	0.184639081	4.53035E-05	792.3504639	0.000278415	0.001596484	0.005209151
2029 Jul	19530.82617	20.03213692	30.03792191	1.016532779	11366.95996	0.103428803	1157.377319	0.026443455	0.003679921	0.000180631	0.013559692	0.067908213	0.53879261	0.137580022	3.59421E-05	572.0256958	0.000209951	0.001555201	0.003762751
2029 Aug	20609.56641	21.5763855	32.78599167	1.064090371	11981.26758	0.112331055	1229.963379	0.028220395	0.003892985	0.000189483	0.015003976	0.074458815	0.579507768	0.145954847	3.91741E-05	606.6773071	0.000222856	0.002064071	0.003967234
2029 Sep	21602.23438	23.89728355	37.42197037	1.115505099	12529.82227	0.123327382	1305.237427	0.029832397	0.004052681	0.000195785	0.017198572	0.082079016	0.62841171	0.153432101	4.27209E-05	640.6729126	0.000235503	0.002896566	0.004151157
2029 Oct	23302.1582	25.36877441	40.509655	1.146161914	13518.14844	0.102733508	1395.667969	0.03317843	0.004377019	0.00021009	0.018236768	0.091211706	0.645234466	0.162952155	4.49854E-05	690.3101196	0.000246319	0.003198835	0.004439256
2029 Nov	26277.97852	26.1846199	41.99215698	1.201737761	15273.44922	0.08961574	1552.781494	0.038651202	0.004895946	0.000238104	0.018285289	0.102699943	0.691519856	0.179631159	4.69822E-05	771.8842163	0.000269792	0.002875624	0.004980712
2029 Dec	29180.90625	26.99589348	42.53979492	1.275465012	16991.30078	0.075910747	1707.275635	0.043448679	0.005377769	0.000266059	0.017935747	0.112478077	0.732223928	0.195290804	4.86055E-05	852.4555054	0.000292436	0.002404591	0.005503565
2030 Jan	31292.09375	27.34544945	42.62574768	1.317202449	18240.94336	0.065793075	1819.568359	0.046854179	0.0057188	0.000286013	0.017649427	0.119677439	0.761473238	0.206135973	4.97084E-05	911.0813599	0.000308463	0.002053621	0.005875607
2030 Feb	32824.54688	27.40922737	42.48855972	1.336981654	19147.74023	0.058662549	1901.237183	0.049251214	0.005957718	0.0003001	0.017447369	0.125034019	0.783045173	0.213554606	5.0488E-05	953.6777344	0.00031978	0.001806174	0.00613833
2030 Mar	34029.49219	27.4714241	42.40171051	1.352957368	19860.61328	0.053152572	1965.522095	0.05113494	0.006145902	0.000311175	0.017298188	0.129250377	0.800155163	0.219408497	5.11163E-05	987.1862793	0.000328714	0.001614844	0.006345068
2030 Apr	35094.96484	27.57349396	42.40703583	1.368734717	20490.47656	0.048661944	2022.640259	0.052796815	0.006313794	0.000320965	0.017205471	0.132997245	0.815864682	0.224681571	5.17328E-05	1016.889221	0.000336753	0.001458488	0.006528765
2030 May	36487.14844	28.06291771	43.04288483	1.401789427	21309.67969	0.045727853	2099.342285	0.054938324	0.006544347	0.000333725	0.017382614	0.138032302	0.840844393	0.232319459	5.2998E-05	1056.24646	0.000348315	0.001351494	0.006775838
2030 Jun	26943.1875	23.67383575	35.41397858	1.209225178	15717.39258	0.077926129	1568.675537	0.036883477	0.004794735	0.000245293	0.014839268	0.094548814	0.664452136	0.175401255	4.12215E-05	783.2369995	0.000268049	0.001309139	0.005021371
2030 Jul	22937.26172	22.26926422	33.45920563	1.133168936	13358.87305	0.095689908	1353.11438	0.029522313	0.00406954	0.000207486	0.014187888	0.077939935	0.598798454	0.152102336	3.72038E-05	669.9251099	0.000235357	0.001552513	0.00428564
2030 Aug	24430.99219	24.59866333	37.70179367	1.207009673	14207.69531	0.106764689	1453.074951	0.031648681	0.004329139	0.000219429	0.016050864	0.08579015	0.653872073	0.162780568	4.13576E-05	717.1558838	0.000252288	0.002228642	0.004567268
2030 Sep	28400.45703	28.37408447	42.99376297	1.37579608	16521.65039	0.103935398	1684.053101	0.036685556	0.004914077	0.000254279	0.017835503	0.100214981	0.743619025	0.186052591	4.70612E-05	833.7208862	0.00028784	0.002560408	0.005279016
2030 Oct	26042.08203	26.15444183	40.80382538	1.210243344	15125.42188	0.099221915	1555.276123	0.035299484	0.004671388	0.000232381	0.018411286	0.098552883	0.695457101	0.174192429	4.60229E-05	770.5509644	0.000267675	0.00314191	0.004860366
2030 Nov	27764.44141	25.6259079	40.29069519	1.180729151	16143.74512	0.081990704	1642.907593	0.039636042	0.005052919	0.000248982	0.018495124	0.108081676	0.711902618	0.183648869	4.75587E-05	819.0601807	0.000279757	0.002999539	0.005167098
2030 Dec	30411.54883	26.02062607	40.53952408	1.229332209	17711.03906	0.069645837	1782.47644	0.044095095	0.005488213	0.000274063	0.018131817	0.117361441	0.749450207	0.197420701	4.9061E-05	891.8540649	0.000299832	0.002534764	0.005637913
2031 Jan	32403.31641	26.4689064	40.87253952	1.275070906	18890.6582	0.060611673	1887.340698	0.047526319	0.005836679	0.000292532	0.017823074	0.124499463	0.777750373	0.207283482	5.00833E-05	946.4959106	0.000314529	0.002171014	0.005984483
2031 Feb	33894.17578	26.96853447	41.30535889	1.317384005	19773.25586	0.054113489	1966.064331	0.050187342	0.006118915	0.000305974	0.017604856	0.130100831	0.799346149	0.21427761	5.08374E-05	987.4664917	0.000325254	0.001908709	0.006236944
2031 Mar	35065.07031	27.36661911	41.6567688	1.350746751	20466.33203	0.049082667	2027.956299	0.052273408	0.006340405	0.000316531	0.017441321	0.134500742	0.816419482	0.219786331	5.14416E-05	1019.661072	0.000333706	0.00170551	0.006435331
2031 Apr	36210.71094	27.83158493	42.1536293	1.385112286	21143.04688	0.045137543	2089.359863	0.054264914	0.00655564	0.000326861	0.017389748	0.138819009	0.834618211	0.22544007	5.21945E-05	1051.425781	0.000342366	0.001544537	0.006631804
2031 May	36626.48047	27.98934937	42.47218323	1.39779079	21388.57031	0.044267062	2110.522461	0.055084717	0.00665528	0.000330416	0.017417014	0.140478432	0.841634572	0.228095651	5.23951E-05	1062.781982	0.000345546	0.001460697	0.006715142
2031 Jun	25744.36719	22.30914497	33.86102295	1.132180095	15004.56934	0.081560634	1507.434937	0.036517039	0.004765676	0.000231823	0.014629656	0.095124923	0.644469023	0.171103477	4.1238E-05	754.171875	0.000256112	0.00156484	0.00484966
2031 Jul	25197.93164	23.90431213	35.72124863	1.215149283	14678.1748	0.09107437	1483.136719	0.034257516	0.004591294	0.000226288	0.014714749	0.090293288	0.646169424	0.16829288	4.19364E-05	738.7643433	0.000252889	0.00167667	0.004755633
2031 Aug	20773.45508	21.0857563	32.76079559	1.022294402	12067.19922	0.1028082	1246.104492	0.028757297	0.003859227	0.000184728	0.01428015	0.078681625	0.579212368	0.142158374	3.80836E-05	613.5338135	0.000216587	0.002249775	0.003947753
2031 Sep	12410.71094	17.73394203	33.20817184	0.71968025	7086.084473	0.179997459	823.2295532	0.01704153	0.002405557	0.000102911	0.016171645	0.054348398	0.527243853	0.097917452	3.26485E-05	375.8164978	0.000159412	0.003722125	0.002509262
2031 Oct	11578.93066	18.09469604	35.94364166	0.655437529	6562.51709	0.198191121	790.1416626	0.017112428	0.002406327	9.32993E-05	0.018870676	0.056449402	0.547633052	0.097581141	3.59793E-05	355.868927	0.000158826	0.004717492	0.002392446
2031 Nov	16452.14258	20.53264809	38.65802383	0.799073398	9436.480469	0.170334756	1050.378784	0.025112718	0.003285692	0.000138262	0.019242184	0.074961677	0.612841666	0.123306729	4.0262E-05	494.355835	0.000195868	0.004424172	0.00322788
2031 Dec	20176.95703	21.87828064	39.45129776	0.907709241	11642.61328	0.148739159	1246.59729	0.030973071	0.003930575	0.000173225	0.018851534	0.087654412	0.658192992	0.142034367	4.24388E-05	598.6887207	0.000223242	0.003859281	0.003865884
2032 Jan	23066.58594	22.73414421	39.85189056	0.982916772	13354.36621	0.132079422	1398.666626	0.035315454	0.004403805	0.000200095	0.018517399	0.09736938	0.693335235	0.156257451	4.40499E-05	679.5196533	0.000244194	0.003408604	0.004355879
2032 Feb	25281.89063	23.22587395	39.9839859	1.031701922	14666.52441	0.119424157	1515.329956	0.03846062	0.004741917	0.000220437	0.018259406	0.104757629	0.720466793	0.166903257	4.52626E-05	741.499939	0.00026004	0.00306591	0.004726752
2032 Mar	27092.72852	23.63495636	40.10757065	1.07177341	15738.98633	0.109185606	1610.76709	0.041032523	0.005018601	0.00023706	0.018056775	0.110805027	0.742811203	0.175619811	4.62663E-05	792.1747437	0.000273023	0.002788561	0.005030046

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Apr	28704.96094	24.0480423	40.32435226	1.108767748	16692.97461	0.100801446	1696.247559	0.043329459	0.005267365	0.000251827	0.017935043	0.116245836	0.763844669	0.183504492	4.72469E-05	837.3852539	0.000284802	0.002560969	0.005301418
2032 May	30379.13086	24.69361687	41.05464554	1.152914762	17679.81641	0.095295399	1787.080566	0.045731138	0.005534218	0.000266978	0.018060952	0.122129701	0.790679812	0.192243889	4.86197E-05	884.6594849	0.000297962	0.002409616	0.00558933
2032 Jun	21026.10156	19.35168076	32.84730148	0.9202106	12208.33887	0.11916773	1258.24231	0.030525323	0.003968449	0.000184445	0.015160392	0.083595693	0.604489386	0.142011151	3.84915E-05	615.3171997	0.000220497	0.002328436	0.003940627
2032 Jul	15273.29199	16.38618469	28.08936882	0.780366182	8842.493164	0.131070316	936.6077881	0.021226559	0.002984822	0.000133439	0.013471873	0.060878597	0.493792534	0.111052245	3.3903E-05	450.4988708	0.000172155	0.002450692	0.002925633
2032 Aug	15023.9707	17.0077858	29.57483101	0.787664771	8687.379883	0.146675855	932.241333	0.020720746	0.002929581	0.000129986	0.014458703	0.061175749	0.517106712	0.112913966	3.65023E-05	444.3696289	0.000174163	0.002942315	0.002909384
2032 Sep	15148.05664	17.14754677	29.68569946	0.782565832	8761.612305	0.142072797	939.0684204	0.021011803	0.002922811	0.000130648	0.014495454	0.062367328	0.518189728	0.113259561	3.65732E-05	448.440918	0.000174349	0.003070729	0.00292275
2032 Oct	16761.15625	17.80530167	30.13567543	0.818938017	9714.834961	0.124570869	1022.943604	0.02351309	0.003160452	0.000145279	0.014273838	0.068348318	0.530394793	0.119819753	3.66618E-05	494.3980713	0.000184219	0.002878501	0.003181366
2032 Nov	19337.30469	18.87648392	31.76365471	0.878068984	11227.68555	0.115401484	1163.53125	0.027464919	0.003581613	0.000168273	0.014672056	0.078047119	0.573003113	0.132965237	3.85579E-05	567.2971802	0.000204424	0.002716065	0.003624967
2032 Dec	21260.4375	19.62683105	32.85145569	0.918848872	12357.2832	0.107225955	1268.279907	0.030469157	0.003899833	0.000185494	0.014956882	0.085414194	0.60327065	0.14267002	3.99458E-05	621.9665527	0.000219304	0.002601244	0.003954638
2033 Jan	23229.01367	19.9750824	33.19323349	0.946888208	13516.91699	0.098995745	1375.07666	0.033494536	0.004223961	0.000203142	0.015055132	0.092645444	0.633286595	0.152290657	4.12877E-05	677.7138672	0.000234187	0.002398472	0.004287603
2033 Feb	24845.48438	19.94703484	33.11588669	0.953644454	14469.20215	0.092384808	1462.750366	0.035999782	0.004492775	0.000217389	0.015122867	0.098677836	0.658055961	0.159926057	4.23503E-05	723.4450684	0.000246182	0.002228093	0.004556384
2033 Mar	26269	19.94468498	33.08536911	0.960542083	15307.6377	0.086777471	1540.082153	0.038202871	0.004729809	0.000229934	0.0151973	0.103995398	0.68017298	0.166692019	4.33138E-05	763.734375	0.000256811	0.002083099	0.004793475
2033 Apr	27688.99414	20.03962708	33.21871185	0.971479177	16143.20215	0.082109489	1617.772461	0.040388532	0.004967955	0.000242439	0.015338629	0.10932824	0.703559279	0.173642457	4.43991E-05	804.020813	0.000267709	0.001961593	0.005031976
2033 May	26893.85938	19.16192436	32.32951736	0.924225628	15678.25781	0.080293894	1567.63916	0.039262973	0.004862991	0.000235085	0.015127951	0.106201023	0.683644652	0.170461655	4.27487E-05	781.0446167	0.0002603	0.001853582	0.004911592
2033 Jun	19414.15234	15.7471447	27.69061852	0.754273117	11288.83496	0.104412064	1149.478149	0.027707126	0.003641777	0.000168748	0.013291186	0.0773606	0.543034077	0.133211657	3.39856E-05	568.6115112	0.000200101	0.002113614	0.003637819
2033 Jul	18215.35547	17.14355087	29.90795517	0.812181711	10577.73047	0.127655163	1093.553711	0.024912711	0.003393586	0.000157121	0.014028081	0.072021179	0.549783051	0.130158633	3.44367E-05	535.0516968	0.000195382	0.002557109	0.003452223
2033 Aug	18755.21875	17.95337486	31.17409706	0.835144997	10893.28809	0.138855904	1129.814209	0.025541147	0.003461	0.00016087	0.015037244	0.074641302	0.583616972	0.135156006	3.63398E-05	550.7214355	0.000203723	0.002891244	0.00355265
2033 Sep	15599.90234	17.08127022	31.78325653	0.725647449	9019.81543	0.150508508	961.0888672	0.021420529	0.002950504	0.000130503	0.01560976	0.066649772	0.54036504	0.117556714	3.44396E-05	461.58255	0.000179038	0.003779763	0.002971703
2033 Oct	12151.62695	15.96026897	32.37112808	0.563571036	6962.012207	0.14381364	768.7231445	0.017979877	0.002548834	9.79753E-05	0.016957276	0.060230643	0.470453888	0.097822614	3.2612E-05	367.7240601	0.000149866	0.004873006	0.00231548
2033 Nov	15205.37988	16.65883827	32.92979431	0.592476845	8751.258789	0.127798602	940.9434814	0.023199819	0.003114403	0.000125432	0.017768765	0.073161401	0.518558919	0.113322251	3.6279E-05	458.3408508	0.000173924	0.004918708	0.002834798
2033 Dec	18029.66992	16.96305847	32.90945435	0.634105265	10418.01758	0.1166455	1094.427246	0.027401997	0.003565747	0.000150957	0.017649366	0.082836188	0.561440706	0.126816511	3.81976E-05	537.7363281	0.000195048	0.004491849	0.00331552
2034 Jan	20406.89453	17.2087307	32.86843491	0.67008251	11821.51855	0.107273415	1223.279297	0.030846141	0.003936827	0.000172243	0.017501939	0.090935953	0.597259223	0.137880579	3.97095E-05	604.380188	0.000212536	0.004109537	0.003715756
2034 Feb	22325.36523	17.42667389	32.86646652	0.700016975	12954.09277	0.099787526	1327.305298	0.033556845	0.004230137	0.000189209	0.017381098	0.097529441	0.62628454	0.146587551	4.09096E-05	658.1705933	0.000226466	0.00380344	0.004034736
2034 Mar	23979.07227	17.62018967	32.87727356	0.725954831	13930.28027	0.093405522	1417.019165	0.035894167	0.004483248	0.000203831	0.017283877	0.103220731	0.651413858	0.154107928	4.19541E-05	704.5479736	0.000238497	0.003542346	0.004309782
2034 Apr	25587.82227	17.87893677	33.04349136	0.752852499	14878.86035	0.088081568	1504.846558	0.03817746	0.004733332	0.000218015	0.017278161	0.108855732	0.677225828	0.161637142	4.30977E-05	749.8162842	0.000250506	0.00332321	0.004578861
2034 May	26753.30664	18.01325226	33.08490753	0.77110678	15566.27246	0.084100768	1567.821045	0.039822772	0.004926954	0.000228346	0.017316988	0.112858079	0.69537431	0.167707756	4.38717E-05	782.9094238	0.000259338	0.00313588	0.004784473
2034 Jun	20244.86328	17.65790367	31.22848129	0.711794972	11758.56641	0.109990738	1201.840332	0.028851137	0.00382189	0.00017308	0.014802216	0.083734319	0.568686724	0.136845201	3.63859E-05	595.8894043	0.000207473	0.00287253	0.003730793
2034 Jul	18172.46875	21.23407745	36.67926788	0.78877753	10529.55176	0.137160912	1097.206543	0.024278456	0.003390531	0.00015391	0.015413843	0.074246757	0.56434238	0.129823923	3.7323E-05	535.5684814	0.000196057	0.003434333	0.003422021
2034 Aug	18873.17188	22.60609436	38.4665184	0.827953756	10939.59473	0.142974377	1141.61084	0.024921568	0.003470953	0.000159516	0.016163802	0.076819308	0.593933165	0.135094136	3.94763E-05	555.9091187	0.000204307	0.00365614	0.003556327
2034 Sep	15325.46094	22.51977348	40.4617981	0.749032915	8834.839844	0.158768147	950.8218384	0.020065876	0.002855524	0.000125436	0.016673278	0.066638261	0.551105559	0.116021201	3.73897E-05	453.6812439	0.000177253	0.004550484	0.00293375
2034 Oct	12679.39551	21.16571426	41.70098877	0.635787189	7233.168457	0.168204322	818.9828491	0.018028654	0.002585834	9.91029E-05	0.018996779	0.064548627	0.524407446	0.103439718	3.85675E-05	385.3395081	0.000159334	0.006165853	0.002458697
2034 Nov	16345.70898	21.59276009	41.79756927	0.675539792	9384.014648	0.150206178	1024.595215	0.024072081	0.003233065	0.000131581	0.019786347	0.079888016	0.583374441	0.121486306	4.2325E-05	493.3201904	0.000187947	0.0062443	0.003067374
2034 Dec	19382.04102	21.47393227	40.94063187	0.715790868	11179.86816	0.135647014	1187.451294	0.028494624	0.003708711	0.000158898	0.01943952	0.090140685	0.624884725	0.135129958	4.37881E-05	578.3826294	0.000209608	0.005529241	0.003569691
2035 Jan	21873.73438	21.37199783	40.22013855	0.750214398	12654.2373	0.123665683	1320.716919	0.032091085	0.004095769	0.000181205	0.019104792	0.098608725	0.658590794	0.146125451	4.48887E-05	647.9880981	0.000227158	0.005014685	0.003979117
2035 Feb	23841.41797	21.31911659	39.69074249	0.778745651	13818.50195	0.114233322	1425.983521	0.034921788	0.004400885	0.000198696	0.018838461	0.105451874	0.685251951	0.154682606	4.57467E-05	702.9640503	0.000240905	0.004609867	0.004300082
2035 Mar	25515.50977	21.27952003	39.25157166	0.803126097	14808.98145	0.106263131	1515.580688	0.03733027	0.004660621	0.000213574	0.018617088	0.111279421	0.708022356	0.161973089	4.64852E-05	749.744751	0.000252618	0.004267768	0.004573221
2035 Apr	27121.50195	21.33755112	39.03187561	0.82840842	15757.91016	0.099616148	1602.19104	0.039643489	0.004912856	0.000227788	0.018501116	0.116968416	0.731450319	0.169188976	4.73482E-05	794.7828369	0.00026418	0.003981179	0.004837029
2035 May	28830.03711	21.64949989	39.3355751	0.860228062	16763.80859	0.095363684	1696.087524	0.04211669	0.005194054	0.000242764	0.018671149	0.123319305	0.760799527	0.177686363	4.86966E-05	843.2787476	0.000277479	0.003791055	0.005125755
2035 Jun	20578.35742	19.68834305	33.68218231	0.77186954	11949.78613	0.111184418	1225.335449	0.028449215	0.003810698	0.000017472	0.015023524	0.085123412	0.580954075	0.136298299	3.81381E-05	605.5653687	0.000209904	0.003075581	0.003758637
2035 Jul	18795.43555	23.80541039	37.99891281	0.895042121	10904.625	0.127976298	1131.035645	0.023736758	0.003423655	0.000160572	0.014965723	0.073997647	0.565131009	0.130815536	3.9264E-05	553.9198608	0.000199554	0.003162989	0.003512056
2035 Aug	18413.04297	24.89771271	39.66472626	0.91210407	10669.24414	0.139343828	1120.41272	0.023074828	0.003360742	0.000156555	0.016140072	0.074322388	0.58433342	0.13226445	4.24043E-05	545.5974121	0.000201217	0.003808727	0.003484374
2035 Sep	14565.71289	23.98739815	42.96855545	0.808030963	8363.376953	0.169350654	924.2838745	0.018623553	0.002745504	0.000117491	0.018088382	0.066403754	0.560961127	0.114081271	4.10406E-05	437.4625854	0.000175344	0.005598165	0.002827616
2035 Oct	14742.20801	23.51012039	43.24547195	0.765513361	8450.558594	0.169863418	942.8917847	0.020029778	0.002852726	0.000117458	0.019624619	0.071078613	0.577368915	0.115964256	4.28681E-05	446.9839172	0.000178997	0.00636392	0.002849385
2035 Nov	16485.67383	23.0142498	42.34738159	0.749328494	9468.530273	0.154679254	1040.967407	0.023521423	0.003210533	0.000132778	0.020251313	0.080637194	0.599763393	0.124050669	4.45268E-05	500.6114807	0.000192194	0.0065041	0.003123031
2035 Dec	18794.03711	23.01902771	41.9993248	0.775413752	10829.74121	0.143168211	1166.374023	0.027077075	0.003589865	0.000153217	0.020210002	0.089323737	0.632171988	0.134398609	4.5934E-05	566.2622681	0.000208737	0.006180836	0.003499512
2036 Jan	20794.0918	22.84217834	41.39224625	0.798297346	12013.10059	0.133272499	1272.734497	0.030006276	0.003903267	0.000170865	0.019898048	0.096313238	0.658303142	0.142810166	4.66351E-05	621.8859253	0.000222352	0.005738955	0.003820827
2036 Feb	22473.2207	22.67665863	40.86772156	0.816724181	13006.62891	0.125038221	1361.999756	0.032462131	0.004166351	0.000185512	0.019626765	0.102271274	0.680293322	0.149689659	4.7195E-05	668.5533447	0.000233619	0.00536545	0.004087343
2036 Mar	23945.0625	22.53227615	40.40934753	0.83289957	13877.50391	0.117828891	1440.248291	0.034614563	0.004396934	0.00019835	0.019389309	0.107493706	0.699580491	0.155719548	4.76865E-05	709.4581909	0.000243498	0.005038194	0.004320943
2036 Apr	25393.27734	22.52451706	40.22408676	0.851867974	14732.73438	0.112088539	1518.166382	0.036730465	0.004627226	0.000210917	0.019285535	0.112765893	0.720799088	0.161983028	4.83851E-05	749.9453735	0.000253688	0.004773693	0.004553765
2036 May	27090.29688	22.88503838	40.72489166	0.882135093	15730.26465	0.108844437	1612.086792	0.039216924	0.004907952	0.000225474	0.019527581	0.119337954	0.7515558	0.170221999	4.98166E-05	798.1370239	0.000266905	0.004628295	0.0048347
2036 Jun	22289.67188	25.28808594	42.27499771	0.905242503	12921.8252	0.130315378	1343.164307	0.030539727	0.004048438	0.00018597	0.017691014	0.095614538	0.661006093	0.147160009	4.36914E-05	658.6816406	0.000230554	0.004343729	0.004042523
2036 Jul	19645.0332	30.0214386	47.55332565	0.982991159	11367.81641	0.144771233	1200.180054	0.02546029	0.003573173	0.000163709	0.017629964	0.082856685	0.62356925	0.13624227	4.25056E-05	583.2434692	0.00021265	0.004624143	0.003627506
2036 Aug	20006.67188	32.26982498	50.06955719	1.018207669	11580.24805	0.14851734	1223.766235	0.025919789	0.00363185	0.000166612	0.018283078	0.08458472	0.642196834	0.139783904	4.40735E-05	594.5309448	0.000217816	0.004842607	0.003700859
2036 Sep	17511.72852	30.98823738	49.69023514	0.930364311	10101.09375	0.156191126	1090.770386	0.022859566	0.003196451	0.00014289	0.018301357	0.077774547	0.608117759	0.126496553	4.12633E-05	523.7578125	0.000198133	0.005382486	0.00326677
2036 Oct	15545.57617	27.38437271	48.10752487	0.797078848	8913.750977	0.167649493	993.3515625	0.021448448	0.002954795	0.000122529	0.019507345	0.075241029	0.590456843	0.116344951	4.03005E-05	470.2884216	0.000183265	0.006268389	0.002923506
2036 Nov	18834.28125	26.39808846	46.51900482	0.807220221	10846.36816	0.150007576	1173.688232	0.026939435	0.003541182	0.000151171	0.01996628	0.089657515	0.639886737	0.13152045	4.31833E-05	565.9420776	0.000207628	0.006075386	0.003454399
2036 Dec	21613.54492	25.77232742	45.26900101	0.82770735	12486.3125	0.135043144	1323.441895	0.031272661	0.004006558	0.000175561	0.019897077	0.100477509	0.677708209	0.143687591	4.49825E-05	644.9830933	0.000227135	0.005673535	0.003902118
2037 Jan	24099.02539	25.25452423	44.11661911	0.853545547	13957.74512	0.122324213	1455.073242	0.034112327	0.004311682	0.000197401	0.01950651	0.108307354	0.709629655	0.1540934	4.60414E-05	714.137207	0.000243873	0.005124104	0.004300245
2037 Feb	26067.73438	24.85837173	43.21562576	0.874938428	15123.38574	0.112358436	1559.263184	0.035594631	0.004469104	0.000214629	0.019185591	0.113610595	0.734957695	0.162269115	4.68518E-05	768.8491821	0.000257055	0.004682408	0.004614248
2037 Mar	27751.88672	24.55589294	42.51159286	0.893966019	16120.17676	0.104131073	1648.607422	0.036881801	0.004606601	0.00022935	0.018938746	0.118198708	0.75710845	0.169324607	4.75878E-05	815.7015381	0.000268431	0.004316973	0.004883359
2037 Apr	29303.86719	24.34473801	41.98662949	0.912828803	17038.04492	0.097097486	1731.34314	0.038103782	0.004738638	0.000242885	0.018763751	0.122524112	0.778417885	0.175945938	4.83469E-05	858.9753418	0.000279099	0.004003844	0.005132347
2037 May	28865.71875	22.8336525	39.25770187	0.875834048	16792.57227	0.087486774	1699.159424	0.03697769	0.004634156	0.000239996	0.018022327	0.119282186	0.752291977	0.173746154	4.66194E-05	846.5036621	0.000273138	0.00360466	0.005075933
2037 Jun	21416.00391	29.76785851	45.61381912	0.940841258	12424.96191	0.114442945	1286.069214	0.026260477	0.00353703	0.000178525	0.01576608	0.088406004	0.61115694	0.140322134	3.90823E-05	635.4798584	0.000216801	0.003653094	0.003882581
2037 Jul	20917.62305	54.13367081	74.54332733	1.419857979	12117.04199	0.132766485	1270.490601	0.023892183	0.003412778	0.000175312	0.016823763	0.083931252	0.626750469	0.143305525	4.14377E-05	623.9037476	0.000219328	0.004191059	0.003864603
2037 Aug	20891.07813	65.21070862	87.26934814	1.600682378	12096.68652	0.129926026	1273.405762	0.023480967	0.00336585	0.000175389	0.017387014	0.084330566	0.631434739	0.144264221	4.2382E-05	625.4899902	0.000220798	0.004558379	0.003869297
2037 Sep	18767.98438	62.71528625	83.5634079	1.5008955	10848.83789	0.123008631	1158.685425	0.021135857	0.003010012	0.000156677	0.017212475	0.078975186	0.588861287	0.131442755	4.04655E-05	567.4984741	0.000203079	0.004978317	0.003479737
2037 Oct	17348.62695	48.41904831	66.37099457	1.15075326	10008.94629	0.107908174	1079.993164	0.020732269	0.002876586	0.000143852	0.017875308	0.077862404	0.550193429	0.121517546	3.94475E-05	531.7495117	0.000189187	0.005386666	0.003185617
2037 Nov	22709.44922	41.44579315	58.41723633	1.093632936	13165.28613	0.088336602	1370.990479	0.026759449	0.00352201	0.000189463	0.018198149	0.096209913	0.635122955	0.14523302	4.33573E-05	682.6776733	0.000227766	0.004770667	0.004047696
2037 Dec	26676.86523	38.02475357	54.38638306	1.094204426	15508.54688	0.075301118	1583.113647	0.03081169	0.003953771	0.000223449	0.017858274	0.10837917	0.696253598	0.16229485	4.5422E-05	791.9095459	0.000255597	0.004017925	0.004685811
2038 Jan	27876.82617	36.03720856	52.61197662	1.077968717	16220.81348	0.06870836	1644.575806	0.031970542	0.004066942	0.000233814	0.017418323	0.111596093	0.70994848	0.166676462	4.5517E-05	823.9489136	0.000262877	0.003636304	0.004872383
2038 Feb	27054.04688	34.97367477	52.46526337	1.046893358	15740.78027	0.066677585	1595.908569	0.031024573	0.003946717	0.000226895	0.016903663	0.108294025	0.688939691	0.161753178	4.41707E-05	799.5726929	0.0002551	0.003528821	0.004728344
2038 Mar	26286.01172	33.98086548	52.34162521	1.017892957	15292.67578	0.064780772	1550.477295	0.030141439	0.00383443	0.000220436	0.016422851	0.105211318	0.669327497	0.157153293	4.29136E-05	776.8143921	0.000247839	0.003428412	0.004593819
2038 Apr	25623.49414	33.12446213	52.39840698	0.992963195	14905.9873	0.063143462	1511.272461	0.029379321	0.003737509	0.000214862	0.016007802	0.102551058	0.652403235	0.153182209	4.18287E-05	757.1740723	0.000241573	0.003341747	0.004477704
2038 May	24180.55664	31.27038574	50.73612976	0.9377774	14063.5752	0.060687367	1426.404053	0.02777026	0.003573612	0.000202931	0.015438409	0.096938752	0.616266787	0.146518633	3.97449E-05	716.0203247	0.000229031	0.003194345	0.0042553
2038 Jun	11813.22168	25.26278305	38.50479507	0.77669692	6812.816895	0.122749001	741.1604004	0.01274768	0.002136717	0.000100948	0.012271879	0.048204117	0.395094633	0.09407822	2.63547E-05	365.1251526	0.000139164	0.003017757	0.002316799
2038 Jul	9002.009766	31.08432961	43.72679901	0.943356454	5160.674316	0.145687982	590.5579834	0.008327696	0.001822421	7.90702E-05	0.012277979	0.034438111	0.35746485	0.084932543	2.41003E-05	285.9527893	0.000122566	0.002930214	0.001922689
2038 Aug	8950.154297	32.96622086	46.82448196	0.995576382	5114.505371	0.146445811	596.7247314	0.008391358	0.001831799	7.82961E-05	0.013334939	0.036485083	0.368907064	0.086422749	2.61906E-05	288.1216125	0.000125076	0.003726096	0.001926098
2038 Sep	7214.319336	26.88818932	41.16085815	0.825152576	4065.31958	0.143739417	516.557373	0.007825286	0.001631649	6.08569E-05	0.014876909	0.037646115	0.354833126	0.076838478	2.81665E-05	244.9503326	0.000113473	0.0054626	0.001593772
2038 Oct	5561.458984	21.64482498	37.85438156	0.602890193	3046.589844	0.138092846	449.5494385	0.008762915	0.001601356	4.38028E-05	0.017979505	0.041755337	0.346301824	0.069362141	3.25856E-05	211.0218353	0.000104335	0.00780929	0.001281589
2038 Nov	5269.607422	20.73708344	39.39979935	0.557259679	2870.889893	0.130294174	432.4402771	0.008875784	0.001571633	4.10056E-05	0.01793067	0.041668538	0.334660172	0.066678561	3.2347E-05	203.5496826	0.000100493	0.007927448	0.001217877
2038 Dec	4961.881836	19.52750206	39.92899323	0.525428951	2700.154297	0.122886747	407.1697998	0.00836959	0.001480682	3.85437E-05	0.016919976	0.039282292	0.315613568	0.0628094	3.0496E-05	191.6162109	9.46728E-05	0.007479336	0.001146098
2039 Jan	4682.660645	18.41897202	40.36287689	0.497021466	2545.827881	0.115989991	383.9514465	0.007891301	0.001396409	3.63374E-05	0.015961852	0.037042338	0.297777116	0.059253212	2.87596E-05	180.6799774	8.92962E-05	0.007053294	0.00108096
2039 Feb	4445.635254	17.47709084	40.73579407	0.472909659	2414.857422	0.110083073	364.2227478	0.007484966	0.001324716	3.44668E-05	0.015144163	0.035138171	0.282554001	0.056230102	2.72824E-05	171.397049	8.47194E-05	0.006690874	0.001025705

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Mar	4236.786133	16.64679718	41.11561203	0.451679736	2299.429199	0.104851425	346.8248901	0.007126995	0.001261472	3.28188E-05	0.014422024	0.033459291	0.269096076	0.053555228	2.59795E-05	163.2106171	8.06785E-05	0.006371262	0.000976859
2039 Apr	4053.273193	15.91640854	41.60265732	0.433082789	2197.887939	0.100223683	331.5102539	0.006812324	0.001205835	3.13698E-05	0.013785606	0.03198193	0.257215053	0.051195584	2.48326E-05	156.0072632	7.71173E-05	0.00608996	0.000933809
2039 May	3948.020264	15.50471973	42.69418335	0.422157615	2138.036865	0.097657681	323.1269531	0.006656553	0.001179348	3.05197E-05	0.013485399	0.031354588	0.250734776	0.05003741	2.42817E-05	152.1866608	7.53334E-05	0.005973553	0.000912045
2039 Jun	4336.147949	13.60270786	30.53812218	0.530841947	2394.912598	0.158504456	342.5349426	0.003825221	0.001151503	3.64889E-05	0.012656323	0.022215109	0.300109655	0.055963568	2.11098E-05	150.6656494	8.85875E-05	0.004398327	0.001011266
2039 Jul	3958.419922	11.50504208	22.66220665	0.491452515	2183.82373	0.176938802	325.0650635	0.003080514	0.001163067	3.41784E-05	0.012568474	0.019608824	0.304762959	0.055130307	2.07439E-05	139.2332916	8.92005E-05	0.003977552	0.000963257
2039 Aug	4514.443848	13.50332451	25.9495697	0.514262736	2476.341553	0.185391724	377.1142578	0.004580144	0.001349611	3.80293E-05	0.015066504	0.026738679	0.346031845	0.063227631	2.66869E-05	164.3369141	9.99247E-05	0.0055403	0.001101794
2039 Sep	4678.133301	13.87564945	26.56299973	0.512994587	2568.539307	0.178896144	387.5623474	0.004867258	0.001351759	3.91911E-05	0.015312742	0.028194189	0.348357052	0.064182773	2.74125E-05	170.3900604	0.000100769	0.005821146	0.001133546
2039 Oct	4630.214844	14.05183697	27.41263962	0.485366732	2530.599854	0.169225767	388.3920288	0.005464078	0.001360024	3.80549E-05	0.015840353	0.030390128	0.345274687	0.063641675	2.83199E-05	172.4024811	9.98308E-05	0.006349448	0.001121896
2039 Nov	4570.492676	13.9815197	28.35762215	0.475471914	2493.240479	0.166179463	385.0609131	0.005573981	0.001354335	3.73882E-05	0.015851734	0.030602587	0.342092395	0.062961407	2.83294E-05	171.1807404	9.88043E-05	0.006418822	0.001107527
2039 Dec	4471.777344	13.68179226	28.82802582	0.465527564	2438.296387	0.162557438	376.6879883	0.00545809	0.001325106	3.65585E-05	0.015515265	0.029954556	0.334721595	0.061593127	2.77233E-05	167.4593201	9.66579E-05	0.006283861	0.001083269
2040 Jan	4372.384766	13.37555981	29.25395966	0.455644637	2383.157959	0.158924907	368.1913147	0.005334736	0.0012952	3.57304E-05	0.015167219	0.02927942	0.327227652	0.060210176	2.70985E-05	163.6772614	9.44837E-05	0.006142296	0.001058876
2040 Feb	4280.628418	13.09250927	29.65018272	0.446523994	2332.262695	0.155562133	360.3427734	0.005220647	0.001267546	3.49664E-05	0.014844866	0.028655192	0.320293427	0.058932628	2.65209E-05	160.1851807	9.24741E-05	0.006011371	0.001036367
2040 Mar	4197.045898	12.83440495	30.05890465	0.438233584	2285.867676	0.152485877	353.183075	0.005116691	0.001242331	3.42702E-05	0.014550449	0.028085757	0.313953578	0.057764906	2.59939E-05	157.0003967	9.06392E-05	0.005891927	0.001015808
2040 Apr	4125.620605	12.6135149	30.53460121	0.431203693	2246.112793	0.149850681	347.0484314	0.005027597	0.001220712	3.36736E-05	0.014298147	0.027597824	0.30852285	0.05676366	2.55423E-05	154.270874	8.9067E-05	0.005789578	0.000998179
2040 May	4037.070801	12.34470081	30.84175873	0.422194719	2196.194092	0.147200808	339.6826477	0.004937861	0.00121256	3.29993E-05	0.014129037	0.027069511	0.30243361	0.056353122	2.50948E-05	151.5223999	8.7596E-05	0.005680067	0.000988902
2040 Jun	3383.053955	10.15837574	22.69962502	0.435429454	1855.720337	0.147235289	277.7738037	0.003188181	0.00112276	3.02412E-05	0.011085277	0.018381525	0.248379707	0.053019021	1.94779E-05	125.4838257	7.64869E-05	0.00388615	0.000900609
2040 Jul	3339.909668	10.53283215	20.45499611	0.499396592	1844.274902	0.152995646	270.3924866	0.002575125	0.001145204	3.20965E-05	0.010638713	0.015475365	0.244420543	0.054233313	1.86463E-05	121.5435181	7.72342E-05	0.003220022	0.000924802
2040 Aug	3718.16333	12.72703457	23.53987503	0.57282424	2051.734131	0.151876718	300.3488159	0.003204894	0.001200725	3.54114E-05	0.011680737	0.018789418	0.264018089	0.058348771	2.08198E-05	135.8114014	8.31734E-05	0.00390842	0.001016603
2040 Sep	3647.354248	13.86171532	25.66207695	0.556062341	1987.44397	0.148734495	310.8617859	0.004215874	0.001184125	3.28151E-05	0.013043773	0.023431089	0.282520175	0.058147259	2.31612E-05	139.02771	8.46617E-05	0.005081856	0.001000484
2040 Oct	3138.331055	12.82332706	25.34349823	0.454508394	1686.816406	0.12286035	279.2539978	0.004824532	0.001110429	2.71801E-05	0.01312736	0.024508541	0.255273104	0.051502421	2.26356E-05	126.6113052	7.57665E-05	0.005465976	0.000867051
2040 Nov	3022.597168	12.47359562	27.52240753	0.425151139	1614.175781	0.11706353	272.5940552	0.00500719	0.001095903	2.57532E-05	0.013127016	0.024907941	0.249033451	0.049828835	2.25741E-05	123.9793396	7.36235E-05	0.005587611	0.000834427
2040 Dec	2855.358643	11.77827644	28.73529243	0.402105123	1522.127075	0.110625647	257.3648071	0.004735177	0.001034469	2.42647E-05	0.012412035	0.023546314	0.235459611	0.047039863	2.13281E-05	117.0163116	6.95223E-05	0.005283595	0.000787216
2041 Jan	2700.813721	11.13012791	29.79142189	0.381296724	1437.448608	0.104631647	243.1239014	0.004471222	0.000977004	2.291E-05	0.011730321	0.022242205	0.222633332	0.044454806	2.01475E-05	110.5194702	6.56948E-05	0.004990955	0.000743753
2041 Feb	2568.920654	10.57632542	30.69437599	0.363553017	1365.230591	0.099435627	230.9385529	0.004246254	0.000927989	2.17577E-05	0.011144165	0.021126671	0.211550593	0.042241655	1.91375E-05	104.9774475	6.24108E-05	0.004740629	0.000706664
2041 Mar	2452.088135	10.08554554	31.53607559	0.347852826	1301.235352	0.094815314	220.132782	0.004046943	0.000884506	2.07368E-05	0.010623753	0.020137545	0.201703489	0.04027316	1.82417E-05	100.0619965	5.9496E-05	0.004518668	0.000673691
2041 Apr	2347.612305	9.646177292	32.40387726	0.333856791	1243.913574	0.090675466	210.4532776	0.003868388	0.000845521	1.98222E-05	0.010157368	0.019251458	0.192882016	0.038507093	1.74391E-05	95.65701294	5.68842E-05	0.004319826	0.00064411
2041 May	2288.797607	9.439432144	33.5639267	0.324552804	1206.006958	0.09478341	208.2534637	0.003748317	0.000819356	1.89805E-05	0.010230501	0.019166872	0.199700028	0.038614135	1.72495E-05	93.51880646	5.7141E-05	0.004292995	0.000638369
2041 Jun	2764.189453	11.4287653	27.55239677	0.524218738	1498.027954	0.143921867	238.8577576	0.002460702	0.000944464	2.62346E-05	0.010096949	0.014708708	0.234330431	0.045578234	1.65162E-05	100.5016174	6.98891E-05	0.003381806	0.00076
2041 Jul	2505.19458	10.12686729	20.20638084	0.496156514	1359.384033	0.160806447	223.0111542	0.002123999	0.001019397	2.56362E-05	0.010114782	0.012866615	0.236031011	0.045171939	1.68921E-05	92.14118958	7.13282E-05	0.002923448	0.000716596
2041 Aug	3279.468506	13.67042351	24.78040886	0.643036902	1799.131226	0.160267949	275.3574219	0.002787426	0.001136308	3.35134E-05	0.011435768	0.016592767	0.26477614	0.053605221	1.99171E-05	118.1894073	8.18952E-05	0.00357234	0.000904352
2041 Sep	3445.576172	14.71730709	26.72504234	0.611473799	1869.098755	0.156449571	302.5302734	0.003923108	0.001133502	3.26057E-05	0.013127572	0.022565739	0.291784108	0.056429017	2.27455E-05	130.4412994	8.61603E-05	0.004940704	0.000956044
2041 Oct	3556.378174	15.80815792	30.52931213	0.518426895	1877.351563	0.150260314	339.8634033	0.0064288	0.001287257	3.00947E-05	0.016655697	0.032896042	0.322935313	0.059973784	2.84304E-05	149.7585754	9.23009E-05	0.007411339	0.000992679
2041 Nov	3448.396973	15.47050762	32.81879425	0.480371058	1806.31665	0.142678007	334.7420349	0.00680368	0.001291354	2.85651E-05	0.016857002	0.033808287	0.31649974	0.058438111	2.87226E-05	148.4953766	9.02141E-05	0.007656859	0.000960831
2041 Dec	3254.282471	14.59311676	33.77567291	0.453438014	1701.615112	0.134855345	315.8795776	0.006429228	0.001217778	2.68753E-05	0.015933154	0.031939998	0.29929477	0.055143844	2.71224E-05	140.0608673	8.51532E-05	0.007235336	0.000905839
2042 Jan	3073.44165	13.76924419	34.56866455	0.429206103	1604.752197	0.12734139	297.9810486	0.006062964	0.001148633	2.53414E-05	0.015035677	0.030128175	0.282534599	0.052040022	2.55852E-05	132.1063538	8.03481E-05	0.006824885	0.000854656
2042 Feb	2919.25293	13.06639099	35.24139404	0.408572704	1522.222656	0.120850213	282.6850891	0.005750861	0.001089673	2.40374E-05	0.01426561	0.028580496	0.268100142	0.049385831	2.42716E-05	125.3251419	7.62324E-05	0.006474275	0.000811016
2042 Mar	2782.291748	12.44193935	35.87345886	0.390260518	1448.887939	0.115084767	269.0943909	0.005473383	0.001037186	2.28782E-05	0.013580945	0.027205037	0.255280435	0.047021426	2.3104E-05	119.2944183	7.25745E-05	0.00616267	0.000772136
2042 Apr	2671.475342	11.93525314	36.70713806	0.375567168	1389.188599	0.110587187	258.1282349	0.005245599	0.00099407	2.19285E-05	0.013030499	0.026089542	0.245189533	0.045119081	2.21577E-05	114.3864288	6.96413E-05	0.005909841	0.000740665
2042 May	2579.963867	11.51485634	37.53792572	0.362485915	1338.141602	0.108148411	249.7315979	0.005081184	0.000978445	2.11739E-05	0.012769162	0.025339758	0.238743484	0.044557344	2.1538E-05	111.1052856	6.79374E-05	0.005735446	0.000729445
2042 Jun	3035.092773	11.0617094	27.60891724	0.474925965	1648.954956	0.13672471	258.6369019	0.003165504	0.001041221	3.03064E-05	0.010992764	0.017411133	0.239476472	0.050266791	1.84349E-05	112.7690735	7.49684E-05	0.003885146	0.000839588
2042 Jul	2864.248535	9.526814461	19.48733902	0.438671827	1562.827271	0.153802767	247.3519745	0.002628025	0.001111616	3.04012E-05	0.010997881	0.015194546	0.243596748	0.050516929	1.8505E-05	105.7292252	7.71904E-05	0.003322548	0.000816894
2042 Aug	3358.093506	11.79595757	22.95039368	0.441809028	1798.703369	0.162419572	307.6951294	0.004599861	0.001294422	3.29086E-05	0.014062742	0.025642665	0.292755663	0.059101325	2.50708E-05	134.1315308	8.8722E-05	0.005560987	0.000960096
2042 Sep	3388.861816	12.46816921	24.42308235	0.384250045	1781.092529	0.160704181	330.1733398	0.006119963	0.001364116	3.08574E-05	0.016109003	0.032167729	0.315693945	0.061241671	2.89164E-05	145.2038879	9.22043E-05	0.007113413	0.000978129
2042 Oct	3462.938477	13.55093575	27.43108177	0.327488303	1781.96814	0.149267972	355.094635	0.008111551	0.001503362	2.93322E-05	0.018803542	0.040041275	0.329618275	0.063361242	3.30814E-05	160.218811	9.65393E-05	0.008941142	0.001001828
2042 Nov	3446.01416	13.77647018	30.1533699	0.311305642	1760.563477	0.143725619	357.8345032	0.008622472	0.001522477	2.85139E-05	0.019251941	0.04150635	0.329829246	0.062837385	3.38647E-05	162.3241272	9.61877E-05	0.009315416	0.000990656
2042 Dec	3284.952393	13.13448715	31.0887146	0.297368497	1675.873657	0.137063488	341.0302124	0.008224685	0.001450079	2.71163E-05	0.018364092	0.039579045	0.314749002	0.059871808	3.2283E-05	154.6564026	9.16724E-05	0.008884407	0.00094344
2043 Jan	3130.835205	12.50978565	31.88558006	0.284468412	1595.329102	0.130678356	324.7420349	0.007828076	0.001380291	2.58078E-05	0.017490957	0.037681889	0.299973547	0.057029124	3.07372E-05	147.2365265	8.73159E-05	0.008458523	0.000898461
2043 Feb	2997.645752	11.96898842	32.5743866	0.273294568	1525.800171	0.125011384	310.603241	0.007486778	0.001320225	2.4683E-05	0.016730383	0.036040425	0.286945909	0.054557137	2.93988E-05	140.8280182	8.35191E-05	0.008090059	0.000859503
2043 Mar	2876.680908	11.47771072	33.21691513	0.263149828	1462.653076	0.119839542	297.7492371	0.007176984	0.001265657	2.36617E-05	0.016038409	0.034549009	0.275071412	0.052304596	2.81824E-05	135.0037231	8.00641E-05	0.007755283	0.00082402
2043 Apr	2780.381592	11.08522224	34.05970383	0.255223721	1412.116821	0.11570055	287.4623413	0.006929035	0.001221965	2.28444E-05	0.015484518	0.033355396	0.265569001	0.050500426	2.72089E-05	130.3414001	7.72987E-05	0.007487353	0.000795598
2043 May	2680.148682	10.68005848	34.6258316	0.246320993	1358.467163	0.112080358	277.113678	0.006705611	0.001204496	2.20904E-05	0.015118016	0.032267638	0.256341726	0.049831513	2.63682E-05	126.4818344	7.51176E-05	0.007238922	0.000784614
2043 Jun	2375.356689	7.601984501	21.00323868	0.288883001	1254.453369	0.13380532	222.9057922	0.003514593	0.001095836	2.40905E-05	0.01103069	0.018241249	0.215657473	0.051724304	1.86829E-05	101.6014252	6.85949E-05	0.004159716	0.000796156
2043 Jul	3026.890625	8.714323997	18.78456688	0.38164565	1644.385254	0.155523032	262.7383423	0.003029415	0.00119551	3.31358E-05	0.011538402	0.016986893	0.250222415	0.060913395	2.01892E-05	117.4857864	8.10017E-05	0.00371312	0.000966115
2043 Aug	3706.688965	11.20379829	22.11956787	0.437238872	2013.363892	0.153719276	319.2094421	0.004226091	0.001305832	3.94604E-05	0.013399394	0.023816273	0.285370618	0.068080626	2.44333E-05	144.140686	9.17282E-05	0.004991684	0.001128208
2043 Sep	3559.825928	12.41715527	24.65790749	0.358137965	1874.585205	0.15337877	344.8591003	0.006240567	0.00128612	3.32198E-05	0.016331023	0.033138197	0.330202401	0.066165179	2.91711E-05	152.0787964	9.50898E-05	0.00717834	0.001074759
2043 Oct	2985.020508	11.06553841	23.25699043	0.274588317	1545.168091	0.13443248	303.8468933	0.006174976	0.001198863	2.65279E-05	0.016185544	0.031850416	0.301080078	0.057981107	2.70312E-05	134.5536652	8.47725E-05	0.00695121	0.000919297
2043 Nov	2655.695801	10.37683773	23.55747795	0.222793236	1351.155884	0.119301699	279.4664307	0.006549266	0.00125881	2.30949E-05	0.016502496	0.032187689	0.272564232	0.053700801	2.65825E-05	127.1551514	7.85486E-05	0.007030312	0.000826324
2043 Dec	2557.374268	10.01707077	24.80625153	0.214007467	1298.466919	0.11404334	269.1821899	0.006360742	0.001213952	2.21501E-05	0.015914988	0.031132258	0.261921108	0.051580843	2.56658E-05	122.5998611	7.55013E-05	0.006804589	0.000793489
2044 Jan	2500.166016	9.789047241	25.32880211	0.209665194	1268.268921	0.111492403	263.2434082	0.006226362	0.001186249	2.16385E-05	0.015553702	0.030438377	0.255993515	0.050408408	2.50836E-05	119.8751373	7.37727E-05	0.006649723	0.00077548
2044 Feb	2501.132324	9.790565491	25.32285309	0.209738493	1267.973511	0.111738466	264.1448669	0.006262955	0.001186197	2.16469E-05	0.015559805	0.030505775	0.256292909	0.050434042	2.51043E-05	120.1928177	7.37976E-05	0.006652749	0.000776232
2044 Mar	2504.126709	9.800055504	25.3372345	0.209984124	1268.691895	0.112060457	265.2783203	0.006305972	0.001186991	2.16724E-05	0.015576937	0.030599305	0.256769955	0.050487828	2.51447E-05	120.61026	7.38735E-05	0.006661002	0.000777466
2044 Apr	2512.200928	9.82977581	25.40545654	0.210656911	1272.105103	0.112580985	266.8272705	0.006356425	0.00119025	2.17419E-05	0.015625698	0.030746309	0.257742554	0.050642326	2.52343E-05	121.2293472	7.41005E-05	0.006682709	0.000780186
2044 May	2556.431152	10.00054646	25.95955658	0.21438539	1294.127197	0.114775442	271.7030945	0.006475473	0.001214589	2.21384E-05	0.015929041	0.031300656	0.262528956	0.051711362	2.56986E-05	123.5207367	7.5512E-05	0.006801666	0.000796454
2044 Jun	1259.636108	4.599743366	12.47515583	0.127655968	626.0306396	0.096666031	142.3604584	0.003330147	0.001026172	1.29369E-05	0.010274255	0.014963505	0.153547987	0.034032393	1.46869E-05	65.34095001	4.95056E-05	0.003427678	0.000457632
2044 Jul	750.9782104	2.629872799	7.218062878	0.078722693	361.7588806	0.07854566	95.13277435	0.002572438	0.001028584	9.74599E-06	0.00765663	0.009357546	0.105466284	0.024590235	1.10268E-05	43.71094131	3.46565E-05	0.00210709	0.0003051
2044 Aug	334.5610657	0.919033527	2.473092556	0.028154425	123.7531891	0.098776981	85.4263916	0.001662249	0.0009541	6.77112E-06	0.007381364	0.006008273	0.14762865	0.025191545	9.34397E-06	30.47750664	3.56896E-05	0.001371878	0.000273935
2044 Sep	161.7180328	0.315157115	0.836000383	0.011314958	42.9174881	0.080753684	57.98446274	0.001278401	0.000914276	5.44848E-06	0.006173411	0.003664755	0.110267363	0.020277241	7.44834E-06	21.21600342	2.62829E-05	0.000799539	0.000209688
2044 Oct	142.7408905	0.265963823	0.715027869	0.009602184	34.78087616	0.074728236	53.4881134	0.001340334	0.000912751	5.31673E-06	0.005835839	0.003416736	0.097848088	0.018819839	7.12392E-06	20.2604599	2.36915E-05	0.000695222	0.000194372
2044 Nov	144.4400177	0.269874364	0.756873488	0.00970534	34.85342026	0.075620428	54.43517303	0.001357057	0.000912185	5.32273E-06	0.005904227	0.003486936	0.099320106	0.019036662	7.16461E-06	20.56247139	2.39854E-05	0.000704572	0.000195736
2044 Dec	144.9541168	0.271010458	0.757655501	0.009737421	34.89689636	0.075849257	54.72598648	0.001362877	0.000912197	5.32606E-06	0.005916179	0.003507189	0.099725306	0.019084334	7.17738E-06	20.64616013	2.40569E-05	0.000707233	0.00019614
2045 Jan	145.2408295	0.271652043	0.757679164	0.009756724	34.90074539	0.075913921	54.902771	0.001368968	0.00091206	5.32756E-06	0.005918758	0.003520647	0.099831261	0.019095005	7.1821E-06	20.70587158	2.40717E-05	0.000708235	0.000196307
2045 Feb	145.7523804	0.27278161	0.757581055	0.009792377	34.89680481	0.075987302	55.22622299	0.001381963	0.000911866	5.33077E-06	0.005920386	0.003545866	0.099929355	0.019100148	7.18942E-06	20.81991196	2.40792E-05	0.000709649	0.000196537
2045 Mar	146.0828857	0.273475051	0.75810498	0.009815191	34.92123795	0.076074786	55.40712738	0.001388679	0.000912481	5.33623E-06	0.005925493	0.003559435	0.1000432	0.019116679	7.19797E-06	20.88526344	2.41E-05	0.00071078	0.000196788
2045 Apr	146.6465759	0.274586141	0.760152042	0.009853549	35.01560974	0.076305956	55.66218948	0.001396682	0.000914929	5.35194E-06	0.005942218	0.003577253	0.100346409	0.019170457	7.22004E-06	20.97908211	2.41681E-05	0.00071317	0.0001974
2045 May	149.7557831	0.280562162	0.813905954	0.010084066	35.61008835	0.077688068	56.95560455	0.0014344	0.000930404	5.44705E-06	0.006045469	0.003665001	0.102162078	0.019500768	7.35133E-06	21.45681763	2.45883E-05	0.000726824	0.000200975
2045 Jun	144.8760681	0.255943716	0.739732146	0.0092892	32.29958344	0.078264482	56.34384155	0.001292913	0.000899985	5.23362E-06	0.006607459	0.003678733	0.108941406	0.020500427	7.29899E-06	20.90371132	2.74668E-05	0.000757239	0.000196048
2045 Jul	130.6484375	0.221051216	0.629622936	0.008143915	27.45913315	0.071255833	51.3347435	0.001374022	0.000928405	5.29069E-06	0.006330483	0.003428925	0.095237672	0.018922526	7.10991E-06	19.93490791	2.53576E-05	0.000681839	0.000178377
2045 Aug	138.8316193	0.230829224	0.655623794	0.008433924	27.38868523	0.075232595	56.80475616	0.001522537	0.000959986	5.50642E-06	0.006544848	0.003782852	0.101961501	0.01979181	7.47554E-06	21.63471222	2.65592E-05	0.000731723	0.000187161
2045 Sep	156.0008087	0.251178175	0.704702437	0.00895124	28.20594215	0.084670924	67.93222809	0.001595283	0.00094453	5.54877E-06	0.007124155	0.004426717	0.123342864	0.022136969	7.94463E-06	24.31646347	3.05786E-05	0.00086545	0.000209852
2045 Oct	166.3649902	0.268311828	0.755279005	0.009459812	28.72661781	0.088977821	74.27297974	0.00171202	0.000941612	5.60706E-06	0.007371871	0.00484273	0.132190794	0.023101239	8.19665E-06	26.09357834	3.2185E-05	0.000925364	0.000219701
2045 Nov	169.0402222	0.273356289	0.780103207	0.00962492	28.84822845	0.089851692	75.86598969	0.001754285	0.000941836	5.62743E-06	0.007417088	0.004954617	0.133822754	0.023272	8.25631E-06	26.58063507	3.24646E-05	0.000937624	0.000221667
2045 Dec	169.6149902	0.274505675	0.780819178	0.009659245	28.88722992	0.09005335	76.19631195	0.001762847	0.000941986	5.6321E-06	0.007427704	0.004978288	0.134185955	0.023313047	8.26987E-06	26.68162918	3.25267E-05	0.000940232	0.000222069
2046 Jan	169.7745209	0.274833471	0.780914247	0.00966924	28.89318466	0.090094939	76.29149628	0.001765939	0.000941984	5.63327E-06	0.007429602	0.004985395	0.134255767	0.023320356	8.27298E-06	26.71295357	3.25374E-05	0.00094083	0.000222166

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Feb	169.7962952	0.274868935	0.780985475	0.009670417	28.89622307	0.090104058	76.30149841	0.001766229	0.00094208	5.63387E-06	0.007430362	0.004986108	0.134268925	0.023323342	8.27386E-06	26.71706963	3.25406E-05	0.000940936	0.000222202
2046 Mar	169.9796906	0.27516517	0.781825066	0.009680817	28.92751312	0.090201013	76.38358307	0.001768134	0.000943099	5.63996E-06	0.007438385	0.004991485	0.134413272	0.02334887	8.28278E-06	26.74614906	3.25757E-05	0.000941952	0.000222448
2046 Apr	170.799057	0.27648747	0.785515726	0.009726836	29.06630516	0.090637043	76.7539444	0.001776309	0.000947461	5.66621E-06	0.007473972	0.005015628	0.135076746	0.023462269	8.32215E-06	26.87376404	3.27341E-05	0.000946544	0.000223517
2046 May	173.5689087	0.280853987	0.818759859	0.009884767	29.52532196	0.092069663	77.98326874	0.001801287	0.000960889	5.74768E-06	0.007592268	0.005096654	0.137346774	0.023869926	8.44895E-06	27.30774879	3.32738E-05	0.000962184	0.000227488
2046 Jun	160.1869354	0.250653118	0.740935802	0.008764416	26.67320633	0.085019685	71.40883636	0.001642647	0.000917078	5.43526E-06	0.007549023	0.004721934	0.12887688	0.023054602	7.96002E-06	25.5478611	3.27088E-05	0.000905566	0.000218736
2046 Jul	155.4051056	0.238553479	0.692160666	0.008319533	24.10102463	0.079867944	70.34629059	0.001714496	0.000883318	5.25225E-06	0.00744492	0.004737106	0.121722102	0.021984713	7.65087E-06	25.52056503	3.18553E-05	0.000869849	0.000210268
2046 Aug	180.3374634	0.266441613	0.764484406	0.009124734	25.77199364	0.09199924	85.63903046	0.001858226	0.000895095	5.48029E-06	0.00830905	0.005635907	0.150438711	0.025350489	8.45076E-06	29.43183517	3.74305E-05	0.001052851	0.000243305
2046 Sep	194.1323853	0.278058797	0.786266208	0.009311057	26.26145744	0.099479653	95.03492737	0.001849663	0.000862424	5.41158E-06	0.008794406	0.006152839	0.17115888	0.027558813	8.79307E-06	31.42649651	4.10468E-05	0.001175324	0.000262514
2046 Oct	201.8256073	0.288971335	0.813580155	0.009542375	26.51917839	0.102717087	99.99205017	0.001902353	0.000843139	5.36722E-06	0.008990344	0.006472367	0.179334402	0.028422141	8.92863E-06	32.6859436	4.23739E-05	0.001225495	0.000269516
2046 Nov	204.983139	0.294123471	0.838093102	0.009685674	26.79791641	0.104084931	101.7781754	0.001926122	0.00084078	5.37452E-06	0.00906973	0.006592201	0.182325661	0.028766731	9.00356E-06	33.15462494	4.28862E-05	0.001243755	0.00027214
2046 Dec	205.6266022	0.295206487	0.838950515	0.009716537	26.85370827	0.1043415	102.1408615	0.00193303	0.000840816	5.37879E-06	0.009084565	0.006617238	0.182849571	0.028827863	9.01994E-06	33.25699997	4.29782E-05	0.00124715	0.000272654
2047 Jan	205.8661194	0.29561758	0.838999689	0.009729076	26.85991859	0.10439413	102.2860413	0.001938052	0.00084076	5.38033E-06	0.009086652	0.006628233	0.182937786	0.028836105	9.02414E-06	33.30547333	4.29901E-05	0.001247973	0.000272783
2047 Feb	206.1609802	0.296108842	0.839024782	0.009744748	26.86156273	0.104441427	102.4684753	0.001945378	0.000840771	5.38276E-06	0.009088111	0.006642389	0.182998359	0.02884019	9.02894E-06	33.3699913	4.29961E-05	0.001248803	0.000272922
2047 Mar	206.8204956	0.297124624	0.840535998	0.009777709	26.91049004	0.104673669	102.8327103	0.001956158	0.000842264	5.3947E-06	0.009105626	0.006668318	0.183383197	0.028894767	9.0497E-06	33.49328613	4.30781E-05	0.001251841	0.000273535
2047 Apr	207.5333862	0.298205197	0.84247303	0.009812894	26.97286034	0.104951076	103.2172089	0.001966639	0.000844184	5.40896E-06	0.009127535	0.006695146	0.183851108	0.028963333	9.07423E-06	33.62221909	4.3181E-05	0.001255372	0.000274262
2047 May	209.7420807	0.300585628	0.865058959	0.009873625	27.32790184	0.105819419	104.0690536	0.001973844	0.000850228	5.44672E-06	0.009225465	0.006759072	0.185799599	0.029530445	9.15266E-06	34.06552124	4.36805E-05	0.001269495	0.000281189
2047 Jun	194.6493988	0.271330088	0.780281663	0.008752082	25.76901054	0.096004896	93.96858215	0.001819665	0.000824928	5.19178E-06	0.008843303	0.006215181	0.168498471	0.029798092	8.54464E-06	33.05204391	4.10915E-05	0.001177111	0.000300908
2047 Jul	215.2526093	0.298007667	0.84758836	0.0095843	27.04513741	0.103155866	105.6190796	0.002101093	0.000860828	5.50826E-06	0.009472451	0.007018546	0.183350027	0.032013338	9.18438E-06	36.93140793	4.43222E-05	0.001287891	0.000326121
2047 Aug	247.4272919	0.328407705	0.924891174	0.010448969	28.97449875	0.117424294	125.6957626	0.002260702	0.000871284	5.78174E-06	0.01061173	0.008174644	0.222109601	0.036527455	1.02229E-05	41.96250153	5.18555E-05	0.001533636	0.000371029
2047 Sep	262.2695618	0.337686062	0.942097783	0.010607295	29.47011375	0.124322772	135.9143677	0.002252452	0.000843016	5.74608E-06	0.011138892	0.00871984	0.244770691	0.038841944	1.0631E-05	44.04547501	5.5862E-05	0.001667856	0.000391345
2047 Oct	265.1585693	0.342775196	0.964982271	0.010704513	29.59523392	0.125149935	137.6861267	0.002282623	0.000827405	5.68565E-06	0.01111611	0.008856855	0.246994659	0.038966265	1.06347E-05	44.45568848	5.60262E-05	0.001679189	0.000390076
2047 Nov	266.7274475	0.345402509	0.98538202	0.010776107	29.73435402	0.125726432	138.5443726	0.002297909	0.000824923	5.68225E-06	0.011191981	0.008920099	0.248233765	0.039093662	1.06628E-05	44.68265533	5.62034E-05	0.001686401	0.000390551
2047 Dec	267.3650513	0.346361727	0.986036718	0.010803823	29.78243828	0.125950381	138.9082642	0.002305871	0.000824956	5.6866E-06	0.011205305	0.00894568	0.248706028	0.039147738	1.06784E-05	44.78860474	5.62849E-05	0.001689567	0.000391026
2048 Jan	267.7190857	0.346889943	0.986219406	0.010819764	29.79752922	0.126042366	139.1182861	0.002312346	0.000824952	5.68915E-06	0.01120993	0.008961219	0.248878464	0.039165862	1.06855E-05	44.8561821	5.63118E-05	0.001690961	0.000391243
2048 Feb	268.0699768	0.347391009	0.986426234	0.010835696	29.80485916	0.126114264	139.3302765	0.002320251	0.000825121	5.69271E-06	0.01121353	0.008977329	0.248986766	0.039177425	1.06924E-05	44.93041611	5.63285E-05	0.001692124	0.000391459
2048 Mar	268.3505249	0.347801268	0.986380517	0.010848825	29.80422783	0.126153633	139.5062408	0.002327541	0.000825069	5.69477E-06	0.011214203	0.008991093	0.249031171	0.039178308	1.06965E-05	44.99252701	5.63305E-05	0.001692847	0.000391564
2048 Apr	269.5861206	0.349443316	0.989876211	0.010900191	29.91258049	0.126646772	140.1751251	0.002342706	0.000827991	5.7172E-06	0.011255404	0.009036516	0.24997586	0.039322708	1.07391E-05	45.2141571	5.65366E-05	0.001699663	0.000393105
2048 May	274.0596924	0.355286717	1.027014732	0.01109413	30.37449265	0.128641486	142.5125122	0.00238596	0.000840704	5.80738E-06	0.01142986	0.009189581	0.253882974	0.039931558	1.09089E-05	45.97330856	5.74121E-05	0.001726632	0.000399286
2048 Jun	240.5383606	0.308275759	0.913734853	0.009671871	26.73163223	0.112956941	123.4724579	0.002176761	0.000822233	5.49864E-06	0.010594245	0.008046251	0.219669372	0.035603736	9.89581E-06	40.85567093	5.15708E-05	0.001508858	0.000355098
2048 Jul	226.0962524	0.286471099	0.844409049	0.009056761	24.22212029	0.103693016	115.7556915	0.002233648	0.00081539	5.38415E-06	0.010132492	0.007669815	0.199066699	0.032838047	9.38503E-06	39.12553406	4.81011E-05	0.001388679	0.000328456
2048 Aug	253.9002533	0.305828065	0.891529679	0.009565027	25.63765144	0.115119725	133.7132416	0.002303284	0.00080908	5.54544E-06	0.011147118	0.008665456	0.236685783	0.037023913	1.02831E-05	43.24177551	5.51532E-05	0.001619117	0.000367688
2048 Sep	266.8693237	0.314728618	0.91364789	0.009764288	26.19100189	0.120053038	142.2706909	0.00233806	0.000791145	5.54667E-06	0.011545302	0.009152561	0.254003018	0.038794171	1.06342E-05	45.12096405	5.81077E-05	0.001722763	0.000382685
2048 Oct	268.9715881	0.318375081	0.936757803	0.009843257	26.26400757	0.120277181	143.5147247	0.002381947	0.000778907	5.4994E-06	0.011513635	0.009263346	0.254388869	0.038725667	1.06146E-05	45.47548294	5.79134E-05	0.001724594	0.000380448
2048 Nov	270.2554016	0.320404917	0.956129313	0.009899467	26.37071609	0.120663241	144.1877594	0.002401226	0.000777996	5.50231E-06	0.011536413	0.00931721	0.255041718	0.038805146	1.06367E-05	45.692173	5.79925E-05	0.001728886	0.000380718
2048 Dec	270.6011047	0.32087326	0.956462145	0.009913541	26.38922501	0.120764457	144.3885651	0.002406935	0.000778199	5.50574E-06	0.01154311	0.009331768	0.255240589	0.038828779	1.0645E-05	45.75650787	5.8028E-05	0.001730403	0.00038097
2049 Jan	270.8170776	0.321162462	0.956429899	0.009922694	26.38977623	0.120796621	144.5223999	0.002412476	0.000778195	5.50748E-06	0.011543916	0.00934226	0.255276173	0.038830701	1.06483E-05	45.8044548	5.80303E-05	0.001730968	0.000381064
2049 Feb	271.0924072	0.321511447	0.956376255	0.009933835	26.38959503	0.120835029	144.6941986	0.002419637	0.000778153	5.50953E-06	0.011544526	0.009355737	0.255317479	0.038832068	1.06524E-05	45.86578751	5.8032E-05	0.00173167	0.000381179
2049 Mar	271.5473633	0.322073877	0.956960738	0.009951598	26.40667534	0.120953925	144.9624939	0.002428404	0.00077862	5.51521E-06	0.011552787	0.009375436	0.255529195	0.03885866	1.06635E-05	45.95718765	5.80722E-05	0.001733522	0.000381536
2049 Apr	272.8291016	0.323617995	0.960423291	0.009999726	26.50301933	0.12143819	145.6734467	0.002444742	0.000781424	5.53754E-06	0.011595809	0.009423841	0.256511509	0.039001841	1.07068E-05	46.18888092	5.82872E-05	0.001740613	0.000383038
2049 May	277.127533	0.32870397	0.996005952	0.010167489	26.90293312	0.123243369	147.9454651	0.002486968	0.000793146	5.62179E-06	0.011767925	0.009573934	0.260283619	0.03959595	1.08681E-05	46.93373108	5.91463E-05	0.001766776	0.000389099
2049 Jun	237.9358521	0.278362781	0.866494298	0.008657062	23.4296627	0.10618861	124.8856354	0.002210877	0.000781478	5.30155E-06	0.01076262	0.00817485	0.220270991	0.034854751	9.71952E-06	40.85237122	5.22171E-05	0.001511399	0.00034202
2049 Jul	232.4397278	0.268862218	0.837020993	0.008411149	22.24099159	0.101604961	121.962738	0.002295655	0.000778571	5.25992E-06	0.010507016	0.008075919	0.209481195	0.03338163	9.48323E-06	40.34943008	5.03138E-05	0.001450798	0.000328014
2049 Aug	263.289978	0.295523524	0.917919636	0.009213233	23.87337494	0.112434082	140.8342743	0.002541389	0.000802068	5.5898E-06	0.0115484	0.00922982	0.242052168	0.0372959	1.04735E-05	45.46633148	5.67562E-05	0.001664101	0.000367385
2049 Sep	278.3986206	0.301775545	0.931126595	0.00931902	24.41100502	0.117596738	151.1764679	0.002530844	0.000778288	5.57942E-06	0.012071592	0.009772978	0.265205562	0.039674509	1.09155E-05	47.54806519	6.08174E-05	0.001800837	0.000388564
2049 Oct	282.2915344	0.305608988	0.947710991	0.009396004	24.52467918	0.118259296	153.6448364	0.002587718	0.000764504	5.5386E-06	0.012083847	0.009953354	0.26762563	0.039816171	1.09429E-05	48.2089653	6.09644E-05	0.001815899	0.000388704
2049 Nov	287.3616333	0.311660588	0.969563544	0.009577174	24.84481812	0.119677812	156.5656433	0.002662009	0.000761851	5.55949E-06	0.012157861	0.010166309	0.270780236	0.040141601	1.10448E-05	49.07506943	6.14342E-05	0.001837697	0.000391447
2049 Dec	288.0779114	0.312491596	0.9700616	0.009601381	24.89207268	0.11989627	156.979126	0.002671781	0.000761873	5.56442E-06	0.012171724	0.010195674	0.271278054	0.0401976	1.10618E-05	49.19764709	6.15187E-05	0.001841122	0.000391958
2050 Jan	288.4114075	0.312882066	0.970068276	0.009613662	24.89579964	0.119953938	157.1842499	0.002679765	0.000761871	5.56706E-06	0.012173698	0.010211512	0.271359384	0.040203564	1.10674E-05	49.2690506	6.15277E-05	0.001842104	0.000392113
2050 Feb	288.8825073	0.313400865	0.96993345	0.009630288	24.89421082	0.120017506	157.4800873	0.002692254	0.000761755	5.57039E-06	0.012174176	0.010234779	0.271420807	0.040203135	1.10739E-05	49.37408829	6.15277E-05	0.001843253	0.000392278
2050 Mar	289.2286987	0.313781738	0.969945848	0.009642457	24.89569664	0.120072812	157.6951599	0.002700911	0.000761756	5.5732E-06	0.012175774	0.010251459	0.271490812	0.040206939	1.10795E-05	49.44962311	6.15342E-05	0.001844217	0.000392427
2050 Apr	290.293335	0.314941406	0.97251308	0.00967851	24.9624939	0.120437592	158.2988434	0.002715598	0.000763761	5.59034E-06	0.012209244	0.010293057	0.27226758	0.040316001	1.11136E-05	49.64582443	6.1702E-05	0.001849919	0.000393588
2050 May	294.1550293	0.319121152	1.005952358	0.009818032	25.27585602	0.121942848	160.388382	0.002755733	0.000773289	5.66163E-06	0.012360171	0.010431811	0.275618285	0.040824134	1.1254E-05	50.32058334	6.24599E-05	0.001873221	0.000398737
2050 Jun	260.9558716	0.280240834	0.905083537	0.008642245	22.88584328	0.108153343	139.9956055	0.002512997	0.00077408	5.43408E-06	0.011492609	0.009201326	0.24038294	0.03727337	1.02939E-05	45.38056183	5.64147E-05	0.001653302	0.000367871
2050 Jul	248.9943542	0.263945669	0.855523288	0.008195454	21.32131767	0.101412684	133.3472748	0.002535342	0.000761959	5.30517E-06	0.010979515	0.00885738	0.223435238	0.034999181	9.8412E-06	43.78377533	5.31213E-05	0.001551415	0.000346397
2050 Aug	271.8544617	0.281522036	0.915219545	0.008734515	22.3335743	0.108366102	147.4501648	0.0027509	0.000774593	5.52884E-06	0.011673171	0.00974326	0.246021777	0.03764873	1.05336E-05	47.6649437	5.74468E-05	0.001701019	0.000373161
2050 Sep	284.634552	0.287587047	0.937354386	0.008882573	22.73489761	0.111943424	155.9636688	0.002801543	0.000762521	5.56147E-06	0.012061751	0.010225983	0.262535274	0.039364502	1.08969E-05	49.61423111	6.03227E-05	0.001802296	0.000389095
2050 Oct	295.2557983	0.297158211	0.980159402	0.009182808	23.0912075	0.114569731	162.4915924	0.002957668	0.000761997	5.63666E-06	0.012265941	0.010673457	0.269969106	0.040146247	1.11444E-05	51.55297852	6.16004E-05	0.001855929	0.000397643
2050 Nov	300.5085144	0.302361667	1.004984617	0.009352119	23.28978157	0.115854397	165.6515503	0.003044225	0.000761905	5.67442E-06	0.012348979	0.010898584	0.273072094	0.040465645	1.1259E-05	52.52430725	6.21158E-05	0.001879389	0.000401269
2050 Dec	301.284729	0.303179413	1.005273581	0.009377064	23.31843948	0.116035916	166.1159973	0.003058831	0.000761933	5.68028E-06	0.012358963	0.010932963	0.273440152	0.040502418	1.12748E-05	52.6735878	6.2173E-05	0.001882409	0.000401717
2051 Jan	301.6595459	0.303550482	1.005325317	0.009388365	23.33103371	0.116117872	166.3413239	0.003066153	0.000761883	5.68282E-06	0.012362951	0.010949792	0.273603678	0.040518031	1.12819E-05	52.74659729	6.21967E-05	0.001883796	0.00040192
2051 Feb	301.9528809	0.303828716	1.005311608	0.009397197	23.33306503	0.116165362	166.5230103	0.00307336	0.00076186	5.68507E-06	0.012364291	0.010963864	0.273667544	0.040521808	1.12866E-05	52.80999374	6.22027E-05	0.001884627	0.000402048
2051 Mar	302.3501587	0.30421406	1.005669236	0.009409405	23.3423748	0.116252571	166.7626648	0.003081742	0.000762124	5.68942E-06	0.012369932	0.010981767	0.27382198	0.040538955	1.12953E-05	52.8920517	6.22298E-05	0.001886097	0.000402311
2051 Apr	303.8247681	0.305682927	1.009574533	0.009455147	23.43395996	0.116751604	167.5975189	0.003101271	0.000765073	5.71391E-06	0.012419242	0.011038939	0.274944603	0.040699001	1.13439E-05	53.16295624	6.24766E-05	0.001894248	0.000403995
2051 May	310.0839844	0.311177671	1.021735191	0.009609134	24.08947563	0.119129419	170.8964081	0.003140427	0.000774673	5.79673E-06	0.012657556	0.011255535	0.281307429	0.04166371	1.15606E-05	54.15775299	6.38048E-05	0.001934886	0.000413006
2051 Jun	283.3529663	0.276385456	0.864835382	0.008463304	23.16141701	0.108340017	154.0105743	0.002759853	0.000730713	5.37146E-06	0.01183889	0.010184148	0.259391606	0.039621543	1.06877E-05	49.41967392	5.95397E-05	0.001779226	0.000393432
2051 Jul	294.120575	0.283025503	0.842919886	0.008682418	23.09672737	0.109735787	160.8852692	0.00300028	0.000734097	5.47542E-06	0.011985511	0.010695248	0.263684243	0.03992141	1.09125E-05	51.64820099	6.03189E-05	0.001819623	0.000398462
2051 Aug	323.0879211	0.293608993	0.832736313	0.008930566	23.91820717	0.117632091	180.5417786	0.003042427	0.000719314	5.61375E-06	0.013046999	0.011742666	0.305791765	0.04445722	1.18637E-05	55.95612717	6.80912E-05	0.002076455	0.000442152
2051 Sep	329.1632996	0.292148501	0.796245694	0.008807227	23.79774284	0.11850626	185.4599457	0.003003332	0.000693439	5.53575E-06	0.013234256	0.011968099	0.317568898	0.045455761	1.20102E-05	56.71268845	6.99186E-05	0.002143212	0.00045052
2051 Oct	313.6421814	0.279485017	0.729338706	0.008318328	22.92228127	0.113060705	176.2195282	0.002890866	0.000664317	5.28581E-06	0.012638294	0.011413937	0.300410032	0.043203682	1.14242E-05	54.14522934	6.6086E-05	0.002028187	0.00042536
2051 Nov	315.1636658	0.281048089	0.726530135	0.008351398	23.06963158	0.113519788	177.0126495	0.002916154	0.000664224	5.29443E-06	0.012663805	0.011478381	0.301095635	0.043291718	1.14539E-05	54.41003418	6.61652E-05	0.002032928	0.000425679
2051 Dec	315.7525635	0.281555653	0.726910353	0.008365639	23.11789703	0.113707669	177.3454742	0.002922213	0.000664225	5.29815E-06	0.012677619	0.011501352	0.301591426	0.043349572	1.14691E-05	54.50270462	6.62515E-05	0.00203609	0.000426147
2052 Jan	316.0943604	0.28186202	0.726836562	0.008375356	23.11881828	0.113758527	177.5580444	0.002931057	0.000664159	5.30061E-06	0.012678308	0.011518055	0.301643699	0.043350641	1.1474E-05	54.5778923	6.62532E-05	0.002036949	0.00042627
2052 Feb	316.6455994	0.282321066	0.726851642	0.008390007	23.12134552	0.113846771	177.9001312	0.002944843	0.000664165	5.30511E-06	0.012680859	0.011544599	0.301754445	0.043356881	1.14829E-05	54.69827652	6.62635E-05	0.002038482	0.000426512
2052 Mar	317.4440308	0.283001542	0.727475762	0.008411231	23.14286804	0.114027604	178.3806915	0.002960662	0.00066472	5.31388E-06	0.012693917	0.011579978	0.302114844	0.04339866	1.15011E-05	54.86029053	6.63289E-05	0.002041672	0.000427093
2052 Apr	318.441864	0.283872068	0.729030192	0.008437715	23.1933136	0.114321671	178.9608307	0.002975054	0.000666131	5.32779E-06	0.012722354	0.011620177	0.302821875	0.043494117	1.15307E-05	55.04730988	6.64757E-05	0.002046908	0.000428135
2052 May	319.7851257	0.284895033	0.729463875	0.008458967	23.41040993	0.114650249	179.3599243	0.002991189	0.000674499	5.37354E-06	0.012789663	0.011659574	0.303311676	0.043893844	1.15866E-05	55.42962646	6.6725E-05	0.002053539	0.000434037
2052 Jun	308.1536865	0.272695988	0.684294045	0.008079804	22.89200783	0.109546863	171.3793945	0.002932312	0.000682334	5.32324E-06	0.012423959	0.011214275	0.287901014	0.042979576	1.12235E-05	54.08991241	6.41758E-05	0.001965785	0.000432427
2052 Jul	327.4918518	0.284076154	0.685577929	0.008428389	23.59244156	0.114313103	183.2795868	0.003177315	0.000694123	5.52075E-06	0.012922971	0.01200775	0.30404681	0.044838887	1.17744E-05	57.53607178	6.7155E-05	0.002076739	0.000451208
2052 Aug	352.8001404	0.295747846	0.690707684	0.008750563	24.39171219	0.120585762	199.7654266	0.003322986	0.00069364	5.70152E-06	0.013759436	0.012965085	0.334726155	0.048238583	1.25674E-05	61.60074615	7.29012E-05	0.00227092	0.000484789
2052 Sep	363.8091431	0.299131513	0.678630888	0.008815117	24.63948822	0.122856423	207.2250977	0.003375485	0.000681656	5.72406E-06	0.014076654	0.0133905	0.348730087	0.049618632	1.28725E-05	63.29175949	7.53045E-05	0.00235699	0.000497423
2052 Oct	371.9356689	0.304044783	0.674343169	0.008939413	25.02108383	0.124780666	212.2240906	0.003468766	0.000676615	5.75624E-06	0.014244136	0.013724166	0.355611712	0.050311416	1.30616E-05	64.64536285	7.64322E-05	0.002401973	0.000503495
2052 Nov	374.7128906	0.306226611	0.676361859	0.009003912	25.17577362	0.125539273	213.8459625	0.003507683	0.00067781	5.78123E-06	0.014305281	0.013838118	0.357561409	0.050543033	1.31324E-05	65.13883209	7.67858E-05	0.002415763	0.000505797
2052 Dec	375.4026489	0.306741923	0.676724851	0.009018429	25.23097229	0.125748724	214.2372437	0.003514915	0.000677739	5.78525E-06	0.014320756	0.013865213	0.358136028	0.05060887	1.31498E-05	65.24726105	7.68844E-05	0.002419424	0.000506325

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Jan	375.8292236	0.307064623	0.67676717	0.009028284	25.24495506	0.125837624	214.4935608	0.003523383	0.000677668	5.78808E-06	0.014324992	0.013884461	0.35831514	0.050625436	1.31578E-05	65.33047485	7.69095E-05	0.002420963	0.000506544
2053 Feb	376.2264404	0.307357609	0.676958501	0.009037338	25.25568581	0.125922665	214.733078	0.003531276	0.000677836	5.79191E-06	0.01433065	0.013902183	0.35848999	0.05064499	1.31663E-05	65.41073608	7.69392E-05	0.00242251	0.000506819
2053 Mar	376.9975281	0.30796057	0.677829504	0.009055605	25.28913307	0.12613	215.1879272	0.003543072	0.000678702	5.80166E-06	0.014350264	0.013933951	0.359005779	0.050712656	1.31878E-05	65.55767059	7.70428E-05	0.002426409	0.00050759
2053 Apr	378.8893127	0.309477687	0.680690825	0.009100787	25.39676094	0.126709878	216.283432	0.003565626	0.000681557	5.82856E-06	0.014412057	0.01400731	0.360578507	0.050929103	1.32482E-05	65.90000916	7.73727E-05	0.00243747	0.000509852
2053 May	383.0899353	0.310096234	0.673011482	0.00907253	26.55086708	0.128151506	217.4438171	0.003522595	0.000685585	5.85246E-06	0.014592959	0.014097867	0.366026461	0.052312925	1.33923E-05	66.47061157	7.85111E-05	0.002468322	0.000523914
2053 Jun	355.1852417	0.282685697	0.592520535	0.008215001	25.44305038	0.11740341	199.388092	0.003266866	0.000662042	5.52765E-06	0.013603327	0.013011789	0.335483015	0.049762458	1.24475E-05	62.31173325	7.27236E-05	0.002277158	0.000507677
2053 Jul	383.586853	0.298282653	0.6012218	0.008687093	26.2198925	0.123567574	217.1896515	0.003628665	0.00067286	5.7908E-06	0.014330881	0.014179636	0.359317988	0.052419048	1.32268E-05	67.44580841	7.72662E-05	0.002443855	0.000536634
2053 Aug	427.6869812	0.316242576	0.620298684	0.00917206	27.77191925	0.134083882	245.8842621	0.003788855	0.000673837	6.10836E-06	0.015952298	0.015791608	0.417426854	0.058984324	1.46869E-05	74.25096893	8.84233E-05	0.002805088	0.000600368
2053 Sep	453.9188232	0.331773937	0.63746655	0.009609756	29.40892792	0.141448855	261.4895935	0.004001227	0.000681441	6.31936E-06	0.016735746	0.016788494	0.44393307	0.062140942	1.54627E-05	78.44555664	9.33928E-05	0.002974259	0.000629258
2053 Oct	466.1382446	0.338769674	0.64085871	0.009804823	30.15271378	0.14466694	268.7821655	0.004121876	0.000678482	6.3867E-06	0.01702621	0.017271571	0.455046892	0.063352995	1.57786E-05	80.3968811	9.53298E-05	0.003045361	0.000639744
2053 Nov	467.2885742	0.339319438	0.639328957	0.009816532	30.21253777	0.144908831	269.478241	0.004138943	0.000676996	6.38742E-06	0.017039789	0.017321745	0.455794156	0.063406706	1.57989E-05	80.58570862	9.54212E-05	0.00305022	0.000639965
2053 Dec	467.6726074	0.339569509	0.639460385	0.00982349	30.24338531	0.145021245	269.6951599	0.004143225	0.000676925	6.3895E-06	0.017047849	0.017337009	0.456099331	0.063440919	1.58082E-05	80.64618683	9.54721E-05	0.003052167	0.000640225
2054 Jan	468.065094	0.339825124	0.639412999	0.009831516	30.24884987	0.145087406	269.9358215	0.004152716	0.000676829	6.39213E-06	0.017049301	0.017355783	0.456186712	0.06344521	1.58143E-05	80.7289505	9.54788E-05	0.003053244	0.000640363
2054 Feb	468.3993225	0.340036899	0.639449298	0.009838182	30.25266647	0.145145178	270.1411438	0.004160596	0.000676866	6.39497E-06	0.017051667	0.017371543	0.456274807	0.063452758	1.58201E-05	80.80059052	9.54899E-05	0.003054272	0.000640539
2054 Mar	468.6788635	0.340211511	0.639432132	0.00984379	30.25287628	0.145187393	270.3153992	0.004167883	0.000676845	6.39716E-06	0.017052397	0.017385205	0.456316888	0.063453645	1.58243E-05	80.8624649	9.54918E-05	0.003054981	0.000640644
2054 Apr	470.6716919	0.341628581	0.6417377	0.009885383	30.36284256	0.145758748	271.4786682	0.004190593	0.000679278	6.42266E-06	0.017115088	0.017462561	0.45801878	0.063684791	1.58861E-05	81.22029877	9.58407E-05	0.003066817	0.000643075
2054 May	474.5416565	0.344355106	0.645666659	0.009958819	30.69268417	0.146862179	273.4602661	0.004230813	0.000688838	6.49238E-06	0.017261449	0.017601155	0.461079299	0.064332135	1.602E-05	81.99711609	9.65738E-05	0.003089811	0.000650919
2054 Jun	426.2008057	0.307893395	0.570864916	0.008879656	28.33333015	0.131695539	243.3239288	0.003811672	0.000673907	6.07681E-06	0.015788931	0.015732564	0.410858542	0.059148524	1.45565E-05	74.36862946	8.7292E-05	0.002770046	0.000606391
2054 Jul	420.6183167	0.301321417	0.549095809	0.008719413	27.75556183	0.129386738	240.4012445	0.003857782	0.000673425	6.04292E-06	0.015504166	0.015584121	0.401150316	0.05775531	1.43438E-05	73.59407043	8.53099E-05	0.0027115	0.000591642
2054 Aug	436.0313721	0.305231124	0.54703486	0.00882099	28.18954086	0.132496133	250.1705627	0.003934077	0.000672228	6.1483E-06	0.016022533	0.016167108	0.420706391	0.059863709	1.4839E-05	76.00099182	8.88518E-05	0.002832802	0.000610958
2054 Sep	448.66922	0.307909429	0.541370988	0.008883381	28.36551285	0.134577215	258.7189941	0.004016863	0.000664914	6.20778E-06	0.016393129	0.016664485	0.435934514	0.06136753	1.52058E-05	78.02774048	9.15187E-05	0.002928521	0.000625029
2054 Oct	450.7525635	0.307416648	0.531100035	0.008852194	28.18302536	0.134307295	260.3508606	0.004080012	0.000655971	6.18491E-06	0.016353641	0.016785467	0.436142176	0.061157137	1.51999E-05	78.46731567	9.13353E-05	0.002932015	0.000622747
2054 Nov	451.3179321	0.307552993	0.527688205	0.008851148	28.13697624	0.13423413	260.7271423	0.004115379	0.000653892	6.18068E-06	0.016318044	0.016827378	0.435193032	0.060981855	1.51845E-05	78.6341095	9.10728E-05	0.002927817	0.000621043
2054 Dec	452.2522888	0.308080792	0.528055072	0.008866032	28.20887947	0.134498805	261.2585449	0.004125582	0.000653795	6.18617E-06	0.016338531	0.016864391	0.435954869	0.061068378	1.52079E-05	78.78222656	9.12027E-05	0.002932697	0.000621732
2055 Jan	452.5260315	0.308229715	0.528043211	0.008870554	28.21736717	0.134552211	261.4226379	0.004131376	0.000653718	6.18784E-06	0.016340489	0.016876971	0.436050117	0.061076265	1.52126E-05	78.83649445	9.1214E-05	0.002933581	0.000621848
2055 Feb	452.7772522	0.308362216	0.527999818	0.008874833	28.21650887	0.134586796	261.5794983	0.004138304	0.000653671	6.1897E-06	0.016340371	0.016889485	0.436067969	0.06107457	1.52159E-05	78.89345551	9.12111E-05	0.002934125	0.00062193
2055 Mar	453.1862183	0.308602214	0.528143048	0.008882233	28.22520256	0.134668529	261.8281555	0.004146674	0.000653846	6.1937E-06	0.016345963	0.016907901	0.436239332	0.061093714	1.52245E-05	78.97760773	9.12402E-05	0.002935696	0.000622219
2055 Apr	454.8165283	0.309672236	0.529697537	0.008913554	28.30917168	0.135111809	262.7833252	0.004166397	0.000655763	6.21431E-06	0.016395256	0.01697202	0.437578529	0.061275844	1.5274E-05	79.27492523	9.15132E-05	0.002945139	0.000624169
2055 May	461.133606	0.313905329	0.536583364	0.00903596	28.6848011	0.136941075	266.447113	0.004229635	0.000664208	6.29785E-06	0.016611014	0.01721159	0.443392813	0.062081154	1.54795E-05	80.38813782	9.27175E-05	0.002984699	0.000632449
2055 Jun	415.4764099	0.279345781	0.473691821	0.008088279	26.2971286	0.123925462	238.6689606	0.00383246	0.000654211	5.93336E-06	0.015357679	0.015470734	0.398667544	0.056303371	1.41842E-05	72.40779877	8.45909E-05	0.002686564	0.000569831
2055 Jul	416.5005188	0.275611669	0.454754174	0.008023508	25.5855751	0.122350469	239.6607971	0.004022039	0.000661037	5.99091E-06	0.015216891	0.015623196	0.391933501	0.055240676	1.41332E-05	73.10467529	8.33737E-05	0.002658058	0.000561637
2055 Aug	446.8288574	0.286907673	0.465494663	0.008346477	26.41708183	0.128391713	259.1740112	0.004246132	0.000669911	6.25455E-06	0.016215747	0.016790621	0.426190704	0.059168216	1.50877E-05	78.18721771	8.99445E-05	0.002879888	0.000601532
2055 Sep	457.1514587	0.287471294	0.459417194	0.008344069	26.4955616	0.129669264	266.3485718	0.004286117	0.000660424	6.28632E-06	0.01653962	0.017187724	0.440208077	0.060545128	1.53965E-05	79.77152252	9.23781E-05	0.002965781	0.000614183
2055 Oct	465.537262	0.291239798	0.459577769	0.008450625	26.73957634	0.131305233	271.5280151	0.00441959	0.000659901	6.34597E-06	0.016688414	0.017549513	0.445654273	0.061098646	1.55867E-05	81.33172607	9.32893E-05	0.003005909	0.000620229
2055 Nov	468.5356445	0.292731941	0.460270643	0.00849236	26.91932487	0.132056862	273.2720642	0.004460248	0.000660014	6.36678E-06	0.016748618	0.017673021	0.447782844	0.0613374	1.56587E-05	81.84655762	9.36498E-05	0.003020456	0.000622351
2055 Dec	469.2106628	0.29302913	0.460475951	0.008500133	26.98693275	0.132263616	273.6450806	0.004464807	0.00065974	6.36936E-06	0.016765527	0.017698221	0.448448986	0.061413359	1.56765E-05	81.93990326	9.37624E-05	0.00302438	0.000622861
2056 Jan	469.5326538	0.293193907	0.460485637	0.008505217	26.99196434	0.132320449	273.8413696	0.004472349	0.000659755	6.37196E-06	0.01676771	0.017713375	0.448533267	0.061420433	1.5682E-05	82.00821686	9.37723E-05	0.003025349	0.000623017
2056 Feb	469.8261719	0.293334305	0.460487396	0.008509648	26.99365044	0.13236706	274.0224609	0.004479726	0.000659769	6.37441E-06	0.016769009	0.017727494	0.448588192	0.061424259	1.56867E-05	82.07292175	9.37772E-05	0.003026152	0.000623158
2056 Mar	470.3068542	0.293591112	0.460673839	0.008517489	27.00574875	0.132466674	274.3135681	0.004488892	0.000660037	6.37935E-06	0.016776979	0.017748708	0.448823363	0.061451916	1.56977E-05	82.16993713	9.38196E-05	0.003028163	0.000623536
2056 Apr	472.2434692	0.294756502	0.462286711	0.008551706	27.1012516	0.132976413	275.4543457	0.004511962	0.000662342	6.40402E-06	0.016836872	0.017824885	0.450448483	0.061669432	1.57572E-05	82.52113342	9.41523E-05	0.003039549	0.000625837
2056 May	471.7488708	0.294515759	0.460195839	0.008530281	27.29029846	0.132690817	274.5050659	0.004516984	0.000673762	6.44979E-06	0.016833582	0.017788177	0.448433071	0.061992031	1.57607E-05	82.7213974	9.40058E-05	0.003032476	0.000632616
2056 Jun	426.5289612	0.265412062	0.407589614	0.007647971	25.39478493	0.119290262	245.7571106	0.004130202	0.00066206	6.06647E-06	0.01542779	0.016019968	0.399735808	0.057433672	1.43625E-05	75.84429932	8.50118E-05	0.002727909	0.000598171
2056 Jul	453.5171814	0.277533114	0.417595744	0.008016824	26.32875633	0.125130057	262.1204224	0.004505336	0.00068381	6.36799E-06	0.016127182	0.01713266	0.420281768	0.059946634	1.51203E-05	80.84568024	8.90104E-05	0.002875643	0.000625543
2056 Aug	481.5028992	0.282978833	0.420574695	0.008163877	26.85595131	0.129520029	280.8767395	0.004611664	0.000680321	6.55611E-06	0.017135603	0.018179236	0.457884848	0.064048722	1.60461E-05	85.20629883	9.60805E-05	0.003108861	0.000665144
2056 Sep	505.1626587	0.288574785	0.424241215	0.008307065	27.40273285	0.133394554	296.5533447	0.004713533	0.000675878	6.70611E-06	0.017967911	0.019066101	0.488672465	0.067411706	1.68054E-05	88.9061203	0.000101895	0.003300602	0.000697649
2056 Oct	502.8748474	0.286321133	0.417144239	0.008220607	27.49828529	0.132973999	294.9763489	0.004695533	0.000667132	6.64365E-06	0.017843844	0.018984083	0.485762775	0.066929467	1.66959E-05	88.37844849	0.000101116	0.003278135	0.000690299
2056 Nov	503.4579163	0.286450624	0.416485429	0.008218685	27.63252068	0.133253083	295.2059631	0.004698848	0.00066632	6.64153E-06	0.017854221	0.01900484	0.486204535	0.066973805	1.67071E-05	88.42636108	0.000101157	0.003279882	0.000689911
2056 Dec	504.1269531	0.286732554	0.416659564	0.008226613	27.6823101	0.133432001	295.5868835	0.004706677	0.000666217	6.64533E-06	0.017867941	0.019031702	0.486724287	0.067031816	1.67233E-05	88.53369141	0.000101244	0.003283242	0.000690368
2057 Jan	504.4611206	0.286884308	0.416662961	0.008231373	27.6844902	0.133486822	295.7931824	0.004715025	0.00066624	6.64814E-06	0.017869627	0.019047756	0.486790508	0.067035928	1.67287E-05	88.60668182	0.00010125	0.003284165	0.000690515
2057 Feb	504.7388611	0.286998034	0.416655302	0.008234989	27.68535042	0.133529902	295.965271	0.004722201	0.000666234	6.65037E-06	0.01787048	0.019061256	0.486833721	0.067037784	1.6733E-05	88.66827393	0.000101252	0.00328488	0.000690632
2057 Mar	505.579895	0.287407011	0.416985393	0.008247324	27.70870781	0.133705854	296.4742126	0.004737143	0.000666753	6.65919E-06	0.017886374	0.019097721	0.487300694	0.067094319	1.67532E-05	88.8351059	0.000101339	0.003288672	0.000691357
2057 Apr	507.890686	0.288648456	0.41851306	0.008283585	27.81152153	0.134268641	297.8460083	0.00476615	0.000669181	6.68726E-06	0.017953686	0.019189911	0.48917073	0.067343332	1.68218E-05	89.26081848	0.000101717	0.003301956	0.000694068
2057 May	514.6794434	0.292491436	0.423588872	0.008390196	28.24359131	0.136026755	301.6478271	0.004834052	0.000681003	6.78893E-06	0.018197803	0.019442761	0.495203704	0.068327948	1.70491E-05	90.52921295	0.000103037	0.003344463	0.000705099
2057 Jun	458.5582275	0.260011286	0.37214607	0.007461949	25.7838459	0.121322066	266.5058289	0.004375186	0.000672693	6.35186E-06	0.016520418	0.01727489	0.435893834	0.061814498	1.53793E-05	81.43752289	9.21405E-05	0.002964744	0.000644435
2057 Jul	472.6177368	0.264856637	0.374897957	0.007618998	26.28956604	0.124259546	274.8894958	0.004578605	0.000690542	6.5398E-06	0.016926249	0.017854728	0.4463076	0.063115209	1.57999E-05	84.04238892	9.43121E-05	0.003040311	0.000658029
2057 Aug	522.673645	0.280144066	0.393196344	0.008045659	27.71914101	0.133146331	307.1501465	0.004852113	0.000706555	6.97588E-06	0.018739689	0.019728733	0.507781625	0.070306584	1.74561E-05	92.19367981	0.000106319	0.003431201	0.000730004
2057 Sep	540.0429077	0.285470605	0.396995455	0.00818947	28.55217743	0.136823088	317.7919617	0.00499667	0.000707934	7.10151E-06	0.01924414	0.02040223	0.525607407	0.072333984	1.79605E-05	95.00095367	0.000109588	0.003544912	0.000748497
2057 Oct	545.6555786	0.286533684	0.395063668	0.008208277	29.07399368	0.138322785	320.9179688	0.005061856	0.000701342	7.10336E-06	0.019320987	0.020631837	0.529723644	0.072691925	1.80698E-05	95.80367279	0.000110121	0.003569188	0.000749519
2057 Nov	549.6243896	0.288111031	0.395603091	0.008254661	29.24096107	0.139191598	323.2687378	0.005132667	0.000701475	7.1326E-06	0.019377276	0.020805517	0.53176558	0.072902456	1.81533E-05	96.54814911	0.000110441	0.003585121	0.000751787
2057 Dec	550.2280273	0.288340449	0.39577511	0.008261078	29.28540993	0.139351353	323.6127319	0.00513939	0.000701479	7.1365E-06	0.019390881	0.020829489	0.532254934	0.072958976	1.81687E-05	96.64519501	0.000110526	0.003588281	0.000752247
2058 Jan	550.4683228	0.288413435	0.395761669	0.008263228	29.29760551	0.139403731	323.7528687	0.005143867	0.000701346	7.13754E-06	0.019392809	0.020840194	0.532360613	0.072968066	1.81729E-05	96.6891098	0.000110538	0.00358911	0.000752335
2058 Feb	550.7069702	0.288490683	0.395742178	0.008265687	29.29983521	0.139442116	323.8995972	0.005149931	0.000701294	7.13921E-06	0.01939328	0.020851761	0.532399476	0.07296928	1.81763E-05	96.74085236	0.00011054	0.003589709	0.000752419
2058 Mar	551.1578369	0.288664788	0.395805031	0.008271092	29.3066349	0.139523327	324.1763306	0.005159818	0.000701391	7.1432E-06	0.019397924	0.020872578	0.532557309	0.072984502	1.8185E-05	96.8350296	0.000110564	0.00359128	0.000752686
2058 Apr	552.7372437	0.289434582	0.396692127	0.008293564	29.37336159	0.139890924	325.117157	0.005180123	0.000702953	7.16198E-06	0.019442746	0.020936031	0.533814549	0.073150568	1.82312E-05	97.12731171	0.000110816	0.003600257	0.000754508
2058 May	553.960083	0.287932724	0.393606454	0.00822215	30.42600441	0.140807763	324.512207	0.005098655	0.000706182	7.16129E-06	0.019557521	0.020906096	0.537103593	0.074146084	1.83033E-05	97.06839752	0.000111513	0.003614087	0.000762997
2058 Jun	481.6482849	0.245730683	0.329325199	0.006949018	28.66592026	0.123085238	278.0062866	0.00433427	0.000660104	6.39304E-06	0.017266499	0.018012134	0.465224117	0.066719815	1.60545E-05	84.7249527	9.75857E-05	0.00313599	0.00069183
2058 Jul	502.8407593	0.251906514	0.332775503	0.00714229	29.17115784	0.126822546	291.1899109	0.004625913	0.000672849	6.61244E-06	0.01781079	0.018894734	0.482000768	0.068638131	1.66428E-05	88.63751221	0.000100833	0.003255655	0.000712839
2058 Aug	536.5991211	0.258042216	0.339073122	0.007309115	29.86922646	0.13158612	313.6040039	0.004749719	0.000672627	6.85603E-06	0.019064091	0.020148443	0.527352035	0.073698409	1.77762E-05	93.90717316	0.000109496	0.003537291	0.000761851
2058 Sep	541.6156006	0.256126881	0.333573192	0.00723214	29.8812027	0.13177292	317.3193359	0.004736652	0.000661675	6.84022E-06	0.019245191	0.020334611	0.5360834	0.074402295	1.79318E-05	94.47905731	0.00011092	0.003585959	0.000765918
2058 Oct	545.1816406	0.255823135	0.329366833	0.0072083	30.02175331	0.132363692	319.5352173	0.004807933	0.000654433	6.83115E-06	0.019248646	0.020504136	0.537551343	0.074357815	1.79722E-05	95.06357574	0.000110946	0.003595741	0.000763844
2058 Nov	549.4477539	0.257175475	0.329398602	0.007248362	30.11579323	0.133139402	322.1576233	0.00489312	0.000654086	6.8621E-06	0.019297408	0.020697849	0.539443254	0.074522234	1.80554E-05	95.90511322	0.000111224	0.003611897	0.000766034
2058 Dec	549.8210449	0.257297009	0.329453945	0.007251801	30.13884735	0.133230716	322.3729858	0.004898536	0.000654054	6.86445E-06	0.019303918	0.020713452	0.539686799	0.074548416	1.80638E-05	95.96910858	0.000111263	0.003613577	0.000766255
2059 Jan	550.1201172	0.257381052	0.329417914	0.007254479	30.14253044	0.13328132	322.5561829	0.004906293	0.000653938	6.86628E-06	0.019303942	0.02072808	0.53972584	0.074547179	1.80679E-05	96.03307343	0.000111261	0.003614251	0.000766317
2059 Feb	550.4066162	0.257464021	0.329391718	0.007257177	30.14155769	0.133323401	322.735199	0.004914281	0.00065389	6.86844E-06	0.019303732	0.02074239	0.539742529	0.074544422	1.80716E-05	96.0980835	0.000111257	0.003614852	0.0007664
2059 Mar	550.6469727	0.257531941	0.329364926	0.007259419	30.14011192	0.133358032	322.8860474	0.004921128	0.000653835	6.87019E-06	0.019303283	0.020754503	0.539750338	0.07454069	1.80746E-05	96.15281677	0.000111252	0.003615324	0.000766455
2059 Apr	552.4907227	0.258336335	0.330247909	0.007282536	30.22195625	0.133774236	323.9805603	0.004943674	0.000655578	6.89156E-06	0.01935645	0.020827962	0.541264534	0.07474304	1.81289E-05	96.4910202	0.000111556	0.003626003	0.000768653
2059 May	555.3414307	0.259520561	0.331033081	0.007305339	30.64570045	0.134552091	325.1062012	0.004962463	0.0006655	6.95196E-06	0.019481931	0.020915784	0.543470442	0.075426452	1.82363E-05	97.09044647	0.000112149	0.003642882	0.000777073
2059 Jun	530.4972534	0.24737677	0.311696738	0.006932363	30.09386826	0.128575385	308.418396	0.004769454	0.000672758	6.79908E-06	0.018724265	0.019926252	0.514529765	0.073042251	1.74885E-05	93.41640472	0.000106982	0.003464878	0.000760025
2059 Jul	569.2354736	0.263387918	0.328297943	0.007396302	31.90217972	0.137355193	331.1976013	0.005257507	0.000712129	7.25958E-06	0.019832823	0.021473752	0.545392513	0.077225775	1.86259E-05	100.5383911	0.000113203	0.003683868	0.000805227
2059 Aug	608.9502563	0.274564832	0.340289533	0.007711275	33.12282944	0.144157529	356.2947388	0.005556918	0.000729278	7.62616E-06	0.021162152	0.022997072	0.589350522	0.082487598	1.98854E-05	107.2507935	0.000121766	0.003969707	0.000858837
2059 Sep	621.7978516	0.275041044	0.338932067	0.007709994	33.2700882	0.145443618	365.0884399	0.005596287	0.000723077	7.69107E-06	0.021628331	0.023480488	0.607325375	0.084322751	2.03037E-05	109.1766739	0.000125074	0.004079141	0.000875321
2059 Oct	592.5178223	0.262238741	0.318995237	0.007296645	32.12149429	0.139447898	347.2741089	0.005334126	0.000698756	7.36788E-06	0.02069407	0.022360291	0.57801795	0.080375157	1.93791E-05	103.9574738	0.000119058	0.003879738	0.000830473
2059 Nov	591.8411255	0.261717975	0.317425191	0.007274381	32.18768692	0.139481232	346.7332764	0.00533695	0.000697255	7.35431E-06	0.020652333	0.022338586	0.576675117	0.080176495	1.93442E-05	103.8105164	0.000118732	0.003870366	0.000827502

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Dec	592.5237427	0.261887759	0.317424178	0.007279569	32.21692657	0.139627472	347.1376343	0.005350105	0.000696984	7.35793E-06	0.020658365	0.022369271	0.576969981	0.080199882	1.93565E-05	103.9372177	0.000118769	0.003872739	0.000827736
2060 Jan	592.9503784	0.262011319	0.317405194	0.007283515	32.21725464	0.139694348	347.4031982	0.005361476	0.000696955	7.3613E-06	0.020659149	0.022390252	0.57702136	0.080199264	1.93627E-05	104.0321045	0.000118769	0.003873754	0.000827876
2060 Feb	593.2545776	0.262096673	0.317412376	0.007286181	32.21933746	0.139743879	347.5909424	0.005368968	0.000696978	7.36386E-06	0.020660797	0.022404796	0.577086687	0.080204092	1.93677E-05	104.0985184	0.000118776	0.003874625	0.000828025
2060 Mar	593.7993774	0.262280375	0.317526042	0.007291656	32.23202896	0.139847055	347.9219666	0.005379333	0.000697225	7.36919E-06	0.020669509	0.022428907	0.577354014	0.080235489	1.93799E-05	104.2086563	0.000118823	0.003876907	0.000828457
2060 Apr	596.5310059	0.263403326	0.318729609	0.007323429	32.35580826	0.140454412	349.5401611	0.005411911	0.000699851	7.40096E-06	0.020749759	0.022537209	0.579632759	0.080543078	1.9461E-05	104.7085724	0.000119281	0.003892902	0.000831784
2060 May	586.9170532	0.259055078	0.312012672	0.007175371	32.54170609	0.138452291	342.4688721	0.005297619	0.000707884	7.35699E-06	0.020511357	0.022115171	0.569272995	0.080132551	1.92004E-05	103.286232	0.000117558	0.003828523	0.000831278
2060 Jun	535.9301147	0.236420646	0.28057915	0.006513116	30.56684875	0.126325056	310.2225647	0.004883519	0.000695548	6.9333E-06	0.018887129	0.020132434	0.513948619	0.074404612	1.76282E-05	95.24554443	0.000107215	0.003478789	0.000782225
2060 Jul	575.8769531	0.250032157	0.293326646	0.006906058	32.06119156	0.134276882	334.2713013	0.005383489	0.000729753	7.38371E-06	0.020014999	0.021741703	0.546705544	0.078673258	1.87896E-05	102.6212921	0.000113742	0.003710667	0.000829142
2060 Aug	599.3594971	0.249259055	0.292158991	0.006879684	31.98452377	0.135528788	351.0672607	0.005365357	0.000717963	7.5042E-06	0.021001685	0.022589892	0.58533287	0.082658142	1.96422E-05	105.9750748	0.000120982	0.003942105	0.000865855
2060 Sep	580.8755493	0.23568368	0.273895681	0.006481407	30.67383575	0.130127132	341.2445984	0.005091579	0.000685285	7.22544E-06	0.020472884	0.021865843	0.574452341	0.080459915	1.91092E-05	102.2454834	0.000118237	0.003852571	0.000836811
2060 Oct	577.8027344	0.233118892	0.26878202	0.006389134	30.74588394	0.129801825	339.2223816	0.005069023	0.000676335	7.15714E-06	0.020328818	0.021755569	0.570771337	0.079794854	1.89785E-05	101.5343399	0.000117292	0.003824146	0.000826717
2060 Nov	575.6184082	0.232126161	0.266950816	0.006353782	30.75341797	0.129559174	337.7755432	0.005053394	0.000673916	7.12849E-06	0.020247424	0.021673106	0.568191588	0.07943365	1.89014E-05	101.1094894	0.000116729	0.003806068	0.000821953
2060 Dec	576.553772	0.232326195	0.267073661	0.006359447	30.82502937	0.129800946	338.306427	0.00506429	0.000673647	7.13314E-06	0.020265687	0.021710776	0.568916202	0.079511508	1.89236E-05	101.25634	0.000116847	0.003810685	0.000822518
2061 Jan	576.8899536	0.232386217	0.267058343	0.006361316	30.83844185	0.129870892	338.5054321	0.005071267	0.000673487	7.13482E-06	0.020267693	0.021726174	0.569034934	0.079519756	1.89292E-05	101.3204193	0.00011686	0.003811729	0.000822615
2061 Feb	577.2022705	0.232446983	0.267029792	0.00636333	30.83864021	0.129919142	338.6994934	0.005079911	0.000673404	7.137E-06	0.020267274	0.02174175	0.56905371	0.079516314	1.89332E-05	101.3903351	0.000116854	0.003812368	0.000822691
2061 Mar	577.7680054	0.232585475	0.26704827	0.006367686	30.84288979	0.130012944	339.0497437	0.005093563	0.000673437	7.1417E-06	0.020270787	0.021768687	0.569191992	0.079526015	1.89428E-05	101.5121155	0.000116871	0.003814054	0.000822957
2061 Apr	580.2702026	0.233528823	0.26802969	0.006393928	30.95737648	0.130551487	340.5316162	0.00512192	0.000675904	7.171E-06	0.020346753	0.021867048	0.571353078	0.079820938	1.90184E-05	101.9680862	0.000117305	0.003829089	0.0008213
2061 May	571.8355713	0.229744226	0.262313247	0.006262758	31.35586548	0.129092425	333.9796143	0.005012756	0.000684077	7.13262E-06	0.020139985	0.021484546	0.562080443	0.079569742	1.87901E-05	100.6857224	0.00011578	0.003770693	0.000826603
2061 Jun	506.7470093	0.20220153	0.227293432	0.005479448	28.93107033	0.114677012	293.2420349	0.004456019	0.000650613	6.50665E-06	0.018010257	0.018961629	0.493405968	0.071781032	1.67474E-05	89.88577271	0.000102609	0.003325904	0.000753195
2061 Jul	543.7235107	0.211358249	0.235660374	0.005744025	30.10434914	0.120992668	316.1186523	0.004832131	0.000675192	6.89054E-06	0.019153161	0.020422107	0.52897191	0.076173238	1.78757E-05	96.43312073	0.000109608	0.003565915	0.000799301
2061 Aug	587.1873779	0.218093142	0.242972448	0.005929885	30.89783478	0.126129568	344.7733154	0.005041591	0.000680159	7.23092E-06	0.02073269	0.02205807	0.584667861	0.082512915	1.93158E-05	103.447319	0.00012036	0.003916997	0.000862414
2061 Sep	600.5838013	0.219217926	0.243204013	0.005956952	31.31728554	0.12808834	353.4052429	0.005128521	0.000676288	7.30714E-06	0.021141991	0.02257712	0.600297093	0.084135495	1.97153E-05	105.5191498	0.000123175	0.004013866	0.000876512
2061 Oct	579.1443481	0.210307419	0.230707213	0.005676897	30.56299591	0.124187924	340.4310913	0.004932906	0.000651128	7.03431E-06	0.020415571	0.021762315	0.579020619	0.081020236	1.90129E-05	101.5103607	0.000118656	0.00386546	0.000839306
2061 Nov	574.2162476	0.208308905	0.227408648	0.005610537	30.45099258	0.123480655	337.324585	0.004904414	0.000645646	6.97237E-06	0.020225029	0.021582128	0.573121071	0.080178097	1.88376E-05	100.6081696	0.000117391	0.003825581	0.000829159
2061 Dec	574.8765869	0.20843038	0.227476597	0.005613983	30.49995232	0.12364956	337.7000122	0.00491265	0.000645464	6.97574E-06	0.020237267	0.021609036	0.573607206	0.080229454	1.88529E-05	100.7135468	0.000117469	0.003828722	0.00082953
2062 Jan	575.2221069	0.208479881	0.227492228	0.00561542	30.52442932	0.123735428	337.8966064	0.004917549	0.000645312	6.97726E-06	0.020242339	0.021623481	0.573830128	0.080251917	1.88602E-05	100.77034	0.000117502	0.003830211	0.000829694
2062 Feb	575.5998535	0.208551824	0.227493107	0.005617681	30.53017616	0.123801164	338.1275024	0.004926457	0.000645283	6.98009E-06	0.020244431	0.021641342	0.573925853	0.080258749	1.88665E-05	100.8499908	0.000117512	0.00383132	0.00082986
2062 Mar	576.6209717	0.208844781	0.22770761	0.005626057	30.56122398	0.123995632	338.7433472	0.004943163	0.000645877	6.99049E-06	0.020265464	0.021684865	0.574558377	0.080338456	1.88918E-05	101.0492859	0.000117631	0.003836231	0.000830832
2062 Apr	579.2516479	0.209736273	0.228594229	0.005650474	30.68135834	0.124540351	340.3022766	0.004972226	0.000648383	7.02081E-06	0.020345857	0.021787982	0.576865554	0.080653891	1.89714E-05	101.5271072	0.000118094	0.003852201	0.000834218
2062 May	586.1767578	0.212162375	0.231145158	0.005716296	31.02966881	0.126010224	344.3837585	0.00503869	0.00065556	7.10253E-06	0.020575291	0.022053054	0.583418787	0.081560321	1.91907E-05	102.7568359	0.000119424	0.00389653	0.0008437
2062 Jun	533.9205933	0.192398146	0.209094509	0.005232037	28.48805618	0.115495205	312.5178528	0.004648087	0.000654706	6.74397E-06	0.019090891	0.020068619	0.52905184	0.074508384	1.76986E-05	93.81170654	0.000109526	0.003542286	0.000769536
2062 Jul	519.0548706	0.184187755	0.198296756	0.005050136	27.41361618	0.112135284	303.5536804	0.00465788	0.000660995	6.6837E-06	0.018556431	0.019574972	0.508258939	0.071658641	1.7228E-05	91.54589844	0.000105712	0.003415878	0.000740559
2062 Aug	534.7871704	0.181479737	0.195043042	0.004977774	27.1865387	0.11231491	315.1308899	0.004643325	0.000648274	6.74424E-06	0.019183394	0.020155542	0.534770012	0.074233159	1.7792E-05	93.73887634	0.000110467	0.00357282	0.000763109
2062 Sep	535.0139771	0.177062094	0.18895635	0.004832956	26.77103806	0.110809818	316.4194336	0.004548243	0.000629241	6.65936E-06	0.01925149	0.020148056	0.541378498	0.074495196	1.78208E-05	93.36978912	0.000111405	0.003603259	0.000762024
2062 Oct	491.1861572	0.163767248	0.169907019	0.004386827	25.31927109	0.103447929	289.3770447	0.004181842	0.000595516	6.18622E-06	0.017812204	0.018471165	0.495508552	0.068448946	1.64138E-05	85.62512207	0.000102045	0.003294816	0.000694382
2062 Nov	493.0736084	0.164233327	0.169583604	0.004394291	25.42092896	0.103964396	290.4177551	0.00423056	0.000596653	6.20533E-06	0.017826824	0.018560179	0.495642543	0.068452969	1.64453E-05	86.015625	0.000102024	0.003297963	0.000694337
2062 Dec	494.448761	0.164463103	0.169634402	0.004401418	25.47824478	0.104255542	291.2340698	0.004256306	0.00059627	6.21342E-06	0.017841164	0.018621441	0.496280789	0.068509445	1.64715E-05	86.27179718	0.000102112	0.003303036	0.000694937
2063 Jan	494.9198914	0.164532885	0.169643104	0.004403573	25.49773788	0.104354426	291.5130615	0.004265383	0.000596124	6.21613E-06	0.017845521	0.018642562	0.49648428	0.068527341	1.64801E-05	86.36058044	0.000102139	0.003304702	0.000695138
2063 Feb	495.3742676	0.164607376	0.169637695	0.004405961	25.5014019	0.104429945	291.7935486	0.004276774	0.000596075	6.21955E-06	0.017847091	0.018664477	0.496570081	0.068531044	1.64871E-05	86.45884705	0.000102145	0.003305913	0.000695312
2063 Mar	495.9456177	0.164713472	0.169649243	0.004409301	25.50478745	0.104523472	292.1480103	0.004290757	0.000596103	6.22429E-06	0.017850352	0.018691808	0.496701151	0.068539418	1.64967E-05	86.5824585	0.000102116	0.003307578	0.000695571
2063 Apr	497.4375916	0.165132657	0.169992477	0.004420985	25.55776215	0.104813516	293.0434875	0.004311886	0.000597294	6.24081E-06	0.017888321	0.01875332	0.497794837	0.06868124	1.65377E-05	86.86450958	0.000102373	0.003315579	0.000697166
2063 May	496.4632874	0.165103823	0.169102326	0.004408871	25.69662476	0.104541928	291.8626099	0.004320015	0.000607157	6.27691E-06	0.017871914	0.01870385	0.495009303	0.068851314	1.65171E-05	86.98207855	0.000102048	0.003303739	0.000702367
2063 Jun	409.5036011	0.136719361	0.135853007	0.003624629	22.25116539	0.086209953	237.2044678	0.003650694	0.000586318	5.56341E-06	0.01506768	0.015343207	0.399625659	0.058537547	1.38252E-05	73.16668701	0.000118823	0.003876907	0.000828457
2063 Jul	421.6917725	0.135006621	0.132449672	0.003608086	21.82899475	0.086729445	245.7630005	0.003875892	0.000581772	5.64737E-06	0.015262487	0.015913477	0.407973439	0.058953971	1.41013E-05	75.4849472	8.57272E-05	0.002764889	0.000617986
2063 Aug	456.9266968	0.138664305	0.135601357	0.003707187	22.37181473	0.090516001	269.0188599	0.004059333	0.000593531	5.96269E-06	0.016564643	0.017246354	0.452916354	0.064077221	1.53007E-05	81.24807739	9.42977E-05	0.003048921	0.000667894
2063 Sep	462.7381287	0.138339594	0.133871883	0.003692078	22.7687397	0.092083804	272.3917847	0.004124643	0.000599187	6.02845E-06	0.01671836	0.017478723	0.458118141	0.06459523	1.54828E-05	82.15995026	9.49832E-05	0.003080743	0.000669544
2063 Oct	461.1360474	0.137138188	0.131502509	0.003644519	22.94886017	0.092378981	271.1682739	0.004133463	0.000590418	5.97125E-06	0.016579209	0.017432651	0.45476225	0.063995115	1.53757E-05	81.75113678	9.40866E-05	0.003056425	0.000660779
2063 Nov	462.4337158	0.137338355	0.131508648	0.003647175	23.09749794	0.092814371	271.8448181	0.004147331	0.000590246	5.97771E-06	0.016607529	0.017483201	0.455741167	0.064102478	1.54071E-05	81.93540955	9.42371E-05	0.003062187	0.000661178
2063 Dec	463.0475769	0.137452289	0.131632864	0.003650091	23.15517235	0.092979915	272.184845	0.00415072	0.000590377	5.98192E-06	0.01662688	0.017505471	0.456399202	0.064184129	1.54257E-05	82.02261353	9.43578E-05	0.003066116	0.000661794
2064 Jan	463.4384766	0.137496606	0.131664529	0.003651339	23.18666458	0.093080565	272.4050293	0.004155147	0.000590219	5.98361E-06	0.016634207	0.017521147	0.456703335	0.064217106	1.54348E-05	82.08322906	9.44065E-05	0.003068035	0.000662031
2064 Feb	463.8069153	0.137554124	0.131682068	0.003653061	23.19722557	0.093150042	272.6267395	0.004162539	0.00059023	5.98642E-06	0.016638257	0.017537769	0.456856668	0.064232729	1.5442E-05	82.15659332	9.44294E-05	0.003069386	0.000662249
2064 Mar	464.6592102	0.137763903	0.131841049	0.003658859	23.22732735	0.093310885	273.1366882	0.004174846	0.000590926	5.99593E-06	0.016659558	0.017573008	0.457466871	0.064313233	1.54652E-05	82.31905365	9.45484E-05	0.003073893	0.000663167
2064 Apr	466.1087952	0.138134554	0.132135913	0.003669052	23.28057098	0.093585834	274.0030823	0.004194626	0.000592233	6.01261E-06	0.016698364	0.017632205	0.458564878	0.064459749	1.55062E-05	82.5928421	9.47655E-05	0.003081867	0.000664808
2064 May	462.3057251	0.136943981	0.130355895	0.003619048	23.78656578	0.093319252	270.5335388	0.00412997	0.000598772	6.0016E-06	0.016616585	0.017438047	0.454183996	0.064599335	1.54081E-05	82.02259827	9.41049E-05	0.003054284	0.000668241
2064 Jun	411.6305237	0.121792786	0.112961717	0.003179526	22.69324112	0.083928682	237.4203033	0.003705898	0.000582797	5.54728E-06	0.014926608	0.015436063	0.397545308	0.058972035	1.37969E-05	73.87509918	8.34856E-05	0.002694468	0.000620165
2064 Jul	437.6233521	0.124970302	0.115422159	0.003280347	23.2889328	0.087538339	253.8788605	0.003964197	0.000596468	5.80352E-06	0.015727159	0.016473055	0.423522741	0.061994351	1.4594E-05	78.4124527	8.85066E-05	0.002867405	0.000651037
2064 Aug	463.2216492	0.12464913	0.115842998	0.003281088	23.28250694	0.088846944	271.8448486	0.004003989	0.000585963	5.94569E-06	0.01671575	0.017426066	0.462162703	0.065981276	1.54821E-05	82.20265961	9.57112E-05	0.003101431	0.00068799
2064 Sep	464.5882263	0.122121014	0.112697214	0.00319868	23.4534893	0.089133769	273.030304	0.003951715	0.000571504	5.88226E-06	0.01675982	0.017465459	0.467158079	0.066093475	1.55214E-05	81.94049835	9.62342E-05	0.00312115	0.000682876
2064 Oct	474.7905884	0.123269171	0.112918675	0.003222842	24.11301613	0.091557965	278.9761047	0.00408017	0.000568591	5.93578E-06	0.01696128	0.017884523	0.474876672	0.066863336	1.57616E-05	83.58168793	9.74755E-05	0.00317103	0.000688209
2064 Nov	479.0097656	0.123941459	0.11345461	0.003241703	24.36840248	0.092494801	281.4334106	0.00412857	0.0005692	5.96675E-06	0.017060671	0.0180535	0.478335619	0.06727048	1.58721E-05	84.28598022	9.80911E-05	0.003193874	0.000691858
2064 Dec	479.4528198	0.124009572	0.1135149	0.003243518	24.40343285	0.092606232	281.6838379	0.00413267	0.000569234	5.96967E-06	0.017072015	0.018070614	0.478734612	0.067317866	1.58841E-05	84.35442352	9.81617E-05	0.00319637	0.00069223
2065 Jan	479.7976685	0.124045879	0.11353077	0.003244621	24.42391777	0.092687093	281.8836975	0.004138095	0.0005691	5.97137E-06	0.017076598	0.018085362	0.478936821	0.067337491	1.58911E-05	84.41382599	9.81915E-05	0.003197793	0.000692393
2065 Feb	480.1828918	0.124098487	0.113545023	0.003246219	24.43307114	0.092757724	282.1172791	0.004146154	0.00056911	5.97435E-06	0.017080443	0.018102959	0.479084104	0.067351483	1.58984E-05	84.49163818	9.82128E-05	0.003199151	0.000692605
2065 Mar	481.3012085	0.124323316	0.113689318	0.003252505	24.46575546	0.092957936	282.7921753	0.00416436	0.000569812	5.98599E-06	0.017104048	0.018150602	0.479785264	0.067440256	1.59266E-05	84.70999908	9.83445E-05	0.003204575	0.000693679
2065 Apr	483.6813049	0.124883883	0.114150017	0.003267516	24.56596756	0.093403794	284.2061462	0.004192187	0.000572104	6.01368E-06	0.017174976	0.018245006	0.481807828	0.067716129	1.59979E-05	85.1472168	9.87489E-05	0.003218713	0.000696652
2065 May	485.4077148	0.125152484	0.11395476	0.003260216	25.32282829	0.094354466	284.1119995	0.004180544	0.000581649	6.0557E-06	0.017265977	0.018267917	0.482878596	0.068456911	1.6069E-05	85.47639465	9.91238E-05	0.003226243	0.000705222
2065 Jun	440.688446	0.1143132	0.101913288	0.002960773	23.8237648	0.086140916	255.5169983	0.003863173	0.000577561	5.71725E-06	0.015820226	0.016537964	0.431793571	0.063069627	1.46792E-05	78.45107269	8.97321E-05	0.0029067	0.000658699
2065 Jul	475.500824	0.11942175	0.106077023	0.003109106	24.85448837	0.091286793	277.1175537	0.00420727	0.000600891	6.07949E-06	0.016921291	0.017911296	0.465971172	0.067267865	1.57548E-05	84.57843781	9.64846E-05	0.003135921	0.000702224
2065 Aug	513.0700073	0.123018309	0.109732136	0.003208016	25.6349659	0.095321134	301.6236877	0.004405139	0.000607451	6.38207E-06	0.018265123	0.01933228	0.512982428	0.072653808	1.69936E-05	90.65337372	0.000105505	0.003432306	0.000754908
2065 Sep	504.2010498	0.11883875	0.105161898	0.003070944	25.22212982	0.09339691	296.951355	0.004221374	0.000585296	6.2127E-06	0.018064687	0.01896059	0.510301828	0.071707428	1.67512E-05	88.53864288	0.000104608	0.003397907	0.000738739
2065 Oct	480.9386597	0.112953857	0.097259246	0.002857397	24.34958649	0.089743651	283.2015991	0.003974287	0.000556547	5.91171E-06	0.017351035	0.018060714	0.489478946	0.068454191	1.60177E-05	84.06214142	0.000100151	0.003247908	0.000698338
2065 Nov	481.5625916	0.112914331	0.096465357	0.002847127	24.38871193	0.090078324	283.5348816	0.004012307	0.000554995	5.90954E-06	0.017318256	0.01810397	0.488393307	0.068228714	1.60038E-05	84.19850922	9.98462E-05	0.003242158	0.000695358
2065 Dec	482.5136719	0.11302615	0.096472792	0.002850675	24.41083145	0.090261638	284.11203	0.004033803	0.000554808	5.91596E-06	0.017324088	0.018148499	0.488674164	0.068246208	1.60197E-05	84.39089966	9.98767E-05	0.003245025	0.000695681
2066 Jan	483.1916199	0.113090657	0.096495733	0.00285271	24.44439316	0.090412267	284.5098267	0.004045705	0.000554592	5.91969E-06	0.017331855	0.018178212	0.489019483	0.068278313	1.6033E-05	84.51341248	9.99259E-05	0.003247631	0.000695988
2066 Feb	483.7760925	0.113174729	0.096528411	0.002855128	24.4573288	0.090514995	284.8648682	0.004057395	0.000554742	5.92487E-06	0.017339507	0.018204514	0.489274323	0.068306424	1.60451E-05	84.63218689	9.99676E-05	0.003249894	0.000696393
2066 Mar	485.2647705	0.113463163	0.096724063	0.002862803	24.50836754	0.090780482	285.7585144	0.004078621	0.000555853	5.94096E-06	0.017376488	0.018266072	0.490354836	0.068447977	1.60855E-05	84.91519928	0.000100177	0.003257827	0.000698002
2066 Apr	487.1447754	0.113833785	0.096983023	0.002872625	24.57546806	0.091117337	286.8855591	0.004104397	0.00055732	5.96152E-06	0.017425112	0.018343182	0.491770387	0.068634458	1.61376E-05	85.26970673	0.000100452	0.003268091	0.00070009
2066 May	493.050293	0.115114972	0.097881094	0.002904401	24.83640099	0.092157617	290.3343201	0.004174498	0.000564185	6.03541E-06	0.017604554	0.018575676	0.496630311	0.069365382	1.63161E-05	86.39196777	0.000101454	0.003302914	0.00070842
2066 Jun	437.6738892	0.102257363	0.085261494	0.002603773	22.4282608	0.082332596	255.7209167	0.003850686	0.000564751	5.65942E-06	0.015825801	0.01648999	0.432228148	0.061831888	1.46175E-05	77.59106445	8.97022E-05	0.002900609	0.000638633
2066 Jul	469.300415	0.105730399	0.088102072	0.002716579	23.40296936	0.087011844	275.2854919	0.004152824	0.000591239	6.01303E-06	0.016883936	0.017730858	0.464047045	0.065705553	1.56327E-05	83.06423187	9.60813E-05	0.003111763	0.000677296
2066 Aug	505.7528687	0.109451406	0.091482259	0.002820183	24.3255043	0.091490254	298.596405	0.004406559	0.00060253	6.32887E-06	0.018113066	0.019132696	0.505925596	0.070599638	1.6798E-05	89.12620544	0.000104115	0.003380293	0.000725695
2066 Sep	515.5532837	0.109685138	0.091168702	0.002817027	24.63444328	0.092882656	304.9262695	0.004477498	0.000597747	6.37541E-06	0.018393451	0.019518791	0.516987324	0.071675144	1.70771E-05	90.6236496	0.000106028	0.003448286	0.000734179
2066 Oct	514.2171631	0.108367927	0.088961005	0.002762264	24.73358345	0.093155526	304.1097107	0.004483311	0.000584278	6.29949E-06	0.018250803	0.01948778	0.51447165	0.07102026	1.69677E-05	90.19571686	0.000105199	0.003427775	0.000724099

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Nov	516.3308105	0.108218595	0.088322662	0.002754849	24.73122215	0.093534015	305.4974976	0.004544416	0.000579973	6.29658E-06	0.018225327	0.01959908	0.51451534	0.070874117	1.69788E-05	90.61457062	0.00010506	0.003430375	0.000722508
2066 Dec	516.9541626	0.108303428	0.088404514	0.002756967	24.78514099	0.093691058	305.8461914	0.004548512	0.000580145	6.30114E-06	0.018244503	0.019622093	0.515157878	0.070954122	1.69974E-05	90.70658875	0.000105179	0.003434281	0.000723135
2067 Jan	517.2879028	0.108335674	0.088424847	0.002757855	24.80701637	0.093769997	306.037323	0.004553086	0.000580098	6.30312E-06	0.018250413	0.019635886	0.515385449	0.070979506	1.70051E-05	90.76299286	0.000105216	0.003435824	0.000723352
2067 Feb	517.7764282	0.108399242	0.088449828	0.002759663	24.81767464	0.093854897	306.334137	0.004562814	0.000580236	6.30751E-06	0.018256975	0.019657837	0.515601099	0.071003594	1.70153E-05	90.86235809	0.000105251	0.003437732	0.000723698
2067 Mar	518.6220093	0.108538575	0.088534355	0.002763432	24.84250832	0.094001263	306.8449097	0.004576155	0.000580783	6.31637E-06	0.018275674	0.019693641	0.51615423	0.071073726	1.7037E-05	91.02626038	0.000105356	0.003441944	0.000724529
2067 Apr	520.2356567	0.108823642	0.088727482	0.002771014	24.89798546	0.094284341	307.8148193	0.004598479	0.000582034	6.33401E-06	0.018317282	0.019760026	0.517365158	0.071231492	1.70817E-05	91.33049011	0.000105592	0.003450732	0.000726293
2067 May	521.3080444	0.109691583	0.088816725	0.002781572	25.19752884	0.094552733	307.7171631	0.004627796	0.000596119	6.40321E-06	0.018375581	0.019785646	0.516264021	0.071714625	1.713E-05	91.83963013	0.000105648	0.003451027	0.000735037
2067 Jun	485.1579285	0.103176542	0.081634358	0.002598713	24.01012611	0.088241272	284.3128967	0.004419912	0.000596789	6.14952E-06	0.017132413	0.018401219	0.471890092	0.067287534	1.59696E-05	86.48732758	9.74995E-05	0.00318083	0.000700489
2067 Jul	524.5184937	0.10828466	0.085675456	0.002741025	25.34878349	0.09420152	308.5143127	0.004795984	0.00062357	6.55697E-06	0.018385898	0.019943388	0.510786891	0.072138853	1.71908E-05	93.35968018	0.000105148	0.00343993	0.000750015
2067 Aug	550.3781738	0.10948807	0.087057188	0.002784857	25.97326279	0.097243659	325.2592468	0.004952259	0.000628154	6.76477E-06	0.019261979	0.020935478	0.542046368	0.075647302	1.80307E-05	97.50171661	0.000110997	0.003635921	0.00078291
2067 Sep	560.9260864	0.109782651	0.086969517	0.002787058	26.2991333	0.098729119	332.0376892	0.005030496	0.000625349	6.82627E-06	0.019572044	0.021349836	0.553876579	0.076841831	1.83397E-05	99.14554596	0.000113076	0.003709389	0.000792772
2067 Oct	547.086853	0.106757641	0.083181188	0.002678599	25.79696846	0.096750923	323.8285828	0.004899967	0.000605379	6.63375E-06	0.0190947	0.020824164	0.540493369	0.074756347	1.78753E-05	96.51043701	0.000110164	0.003614912	0.000767618
2067 Nov	548.8112183	0.10671027	0.082658812	0.002671988	25.86500549	0.097255096	324.8588867	0.004953485	0.000602444	6.63301E-06	0.019070966	0.020914938	0.540202022	0.074603125	1.78819E-05	96.84020996	0.000109979	0.003614776	0.000765569
2067 Dec	549.6225586	0.106808156	0.082735807	0.0026745	25.92209625	0.097443998	325.3226318	0.00496168	0.00060264	6.63915E-06	0.019092014	0.020946641	0.5409109	0.074689202	1.79041E-05	96.97103882	0.000110107	0.003619328	0.000766297
2068 Jan	550.0686646	0.106844246	0.082762308	0.002675499	25.95405769	0.097552478	325.576355	0.004967214	0.000602564	6.64167E-06	0.019100575	0.020964749	0.541241109	0.074726254	1.79147E-05	97.04382324	0.000110161	0.003621492	0.000766595
2068 Feb	550.4429932	0.106888995	0.082781941	0.002676721	25.96452713	0.097619236	325.8015747	0.0049742	0.00060268	6.64501E-06	0.019106226	0.020981263	0.541425765	0.074748129	1.79228E-05	97.11846161	0.000110192	0.003623038	0.000766885
2068 Mar	551.7717896	0.107113414	0.082933545	0.002682521	26.01317215	0.097849876	326.5974121	0.004991525	0.000603779	6.65978E-06	0.019142359	0.021035245	0.542472005	0.074887209	1.79606E-05	97.36688995	0.000110398	0.003630519	0.000768419
2068 Apr	556.4050903	0.107967295	0.083565906	0.002704167	26.21271324	0.098664954	329.3530273	0.005040483	0.00060837	6.71398E-06	0.019289862	0.021216322	0.546683252	0.075460725	1.81042E-05	98.2026825	0.000111245	0.003659332	0.000774441
2068 May	555.4920654	0.108224824	0.083202355	0.002699536	26.43493462	0.098594084	328.0765076	0.005052761	0.00061848	6.75022E-06	0.019263562	0.021168027	0.543517768	0.075635158	1.80787E-05	98.34337616	0.000110848	0.003645524	0.000779888
2068 Jun	468.089325	0.092468761	0.069292463	0.00228738	23.4338131	0.08370097	273.3260498	0.004299645	0.00058565	5.9713E-06	0.016484223	0.017750151	0.451720029	0.065263629	1.53865E-05	83.85971832	9.35595E-05	0.003054377	0.00068416
2068 Jul	493.8717346	0.093095228	0.070314318	0.002324442	23.98885345	0.086476289	290.0519714	0.004454229	0.000594209	6.19868E-06	0.017410927	0.018737126	0.483256042	0.068768166	1.62487E-05	87.96176147	9.96615E-05	0.003252349	0.000716798
2068 Aug	534.0604858	0.097028151	0.073550306	0.002430096	25.04484367	0.091400757	315.5109863	0.004762259	0.000611571	6.57008E-06	0.018753255	0.020290092	0.527712226	0.074101336	1.75266E-05	94.78710938	0.00010827	0.003541	0.000770617
2068 Sep	540.994812	0.096926063	0.072947346	0.002416427	25.18480682	0.092274927	320.1538086	0.004810279	0.000606791	6.598E-06	0.01895644	0.020566626	0.535946369	0.074810818	1.77258E-05	95.81362152	0.000109649	0.003590738	0.000775381
2068 Oct	548.977356	0.097316854	0.072636776	0.002420437	25.40605736	0.093733989	325.1329041	0.004946359	0.000603085	6.63982E-06	0.019068856	0.020920511	0.540732682	0.075167544	1.7889E-05	97.25003815	0.000110349	0.00362544	0.000778414
2068 Nov	552.9577637	0.097730115	0.07282564	0.002431392	25.531147	0.094435647	327.5531921	0.005009403	0.000603945	6.67312E-06	0.019145083	0.021090942	0.543308973	0.075454012	1.79839E-05	97.99565887	0.0001108	0.003644554	0.000781579
2068 Dec	553.7715454	0.09781497	0.072861433	0.00243375	25.55429077	0.094580874	328.0473022	0.005023745	0.000604112	6.67997E-06	0.019158388	0.021126572	0.543761253	0.075503148	1.80022E-05	98.15268707	0.000110877	0.003648113	0.000782166
2069 Jan	554.1635742	0.097836092	0.072873041	0.002434397	25.57910156	0.094674207	328.2729492	0.005029587	0.000603987	6.682E-06	0.01916418	0.021143114	0.544005513	0.075528033	1.80105E-05	98.21925354	0.000110914	0.003649797	0.000782369
2069 Feb	554.4175415	0.097859122	0.072886586	0.002435018	25.59176064	0.094726324	328.4216003	0.005033364	0.000604024	6.68394E-06	0.019168908	0.021153763	0.544170976	0.07554774	1.80165E-05	98.26522064	0.000110943	0.003650988	0.000782572
2069 Mar	554.7020264	0.097881921	0.072889544	0.002435717	25.59492874	0.094774447	328.5968018	0.005040092	0.000604029	6.68622E-06	0.019170739	0.021167226	0.544245422	0.075553253	1.80213E-05	98.32572174	0.000110952	0.00365185	0.000782706
2069 Apr	556.0950928	0.098087244	0.07302016	0.002441046	25.64200211	0.095009193	329.4341736	0.005059311	0.000605096	6.70139E-06	0.019206554	0.021224525	0.54529202	0.075690955	1.80599E-05	98.58917999	0.000111156	0.003659456	0.000784259
2069 May	567.1360474	0.099914312	0.074261643	0.002486353	26.11801147	0.096898295	335.9526672	0.005183856	0.000616323	6.83191E-06	0.019544788	0.021659009	0.554827511	0.07703723	1.83949E-05	100.6253204	0.000113085	0.003726005	0.000798915
2069 Jun	516.9091797	0.091108799	0.066914864	0.002297496	24.11128998	0.089046106	304.5858154	0.004847548	0.000617963	6.49375E-06	0.018013624	0.019743735	0.498815209	0.070314594	1.68989E-05	92.36660004	0.000102889	0.003370317	0.000733425
2069 Jul	537.3556519	0.091818497	0.067568995	0.002339829	24.55537796	0.091666341	317.4950256	0.00504712	0.000636418	6.73261E-06	0.018709205	0.020555999	0.519813776	0.072752386	1.75715E-05	95.88952637	0.000107084	0.003508991	0.000757192
2069 Aug	560.1343994	0.093083672	0.06870728	0.002378812	25.16605186	0.094444431	332.0567322	0.005195846	0.000644761	6.93532E-06	0.019490011	0.021428715	0.546599209	0.075853385	1.83168E-05	99.61092377	0.00011214	0.003678613	0.000786586
2069 Sep	547.5403442	0.090286814	0.065768808	0.002281073	24.47846413	0.091905937	325.1346741	0.005011485	0.000622975	6.74531E-06	0.019138366	0.020926028	0.538526952	0.074356332	1.7942E-05	97.07595062	0.000110256	0.003614309	0.000767407
2069 Oct	522.4837646	0.086984329	0.061058179	0.002143583	23.30407333	0.088011198	310.3767395	0.004802703	0.000597205	6.4526E-06	0.01830817	0.019980323	0.513276339	0.070719659	1.71254E-05	92.64339447	0.000105012	0.003444214	0.000727157
2069 Nov	522.0163574	0.087115332	0.060501345	0.002134871	23.26045418	0.088155851	310.0612183	0.004835411	0.000596942	6.45001E-06	0.01825011	0.019981958	0.510940135	0.070377097	1.70829E-05	92.64601135	0.000104498	0.003431382	0.000723495
2069 Dec	522.4796753	0.087157182	0.060528155	0.002135891	23.2920723	0.088265292	310.3258972	0.004840923	0.000597003	6.45332E-06	0.018260585	0.020000558	0.511301875	0.070419446	1.70948E-05	92.72241211	0.000104561	0.003433757	0.000723848
2070 Jan	522.7145386	0.087170742	0.060524724	0.00213628	23.29555893	0.088309266	310.4687195	0.004847012	0.000596951	6.45494E-06	0.018260818	0.020011978	0.511331379	0.070419349	1.70981E-05	92.77313232	0.00010456	0.003434292	0.000723912
2070 Feb	523.1637573	0.08719147	0.060514584	0.002137021	23.29470062	0.088383064	310.7490234	0.004859804	0.000596829	6.4581E-06	0.018259712	0.020034572	0.511342108	0.070411846	1.71036E-05	92.87489319	0.000104549	0.003435144	0.000724007
2070 Mar	523.9593506	0.087270536	0.060545113	0.002139213	23.308218	0.088514082	311.2364502	0.004875845	0.000597113	6.46562E-06	0.018270826	0.020070473	0.51169312	0.070450671	1.71205E-05	93.03829193	0.000104609	0.003438284	0.000724579
2070 Apr	526.4927979	0.087650955	0.060789153	0.002148711	23.4041748	0.088939734	312.7519226	0.004906265	0.000599512	6.49506E-06	0.018345937	0.020171784	0.513827264	0.070737846	1.7196E-05	93.5059967	0.000105035	0.003453251	0.000727674
2070 May	526.9559937	0.088372163	0.06088388	0.002156804	23.64471626	0.089097485	312.375946	0.004928634	0.000611487	6.5507E-06	0.018379286	0.020176154	0.512324512	0.071099505	1.72222E-05	93.87825775	0.00010498	0.003450169	0.000734839
2070 Jun	489.5820313	0.083777621	0.056391913	0.002024556	22.67341423	0.083144039	287.9680786	0.004662136	0.00061284	6.28553E-06	0.017156586	0.018709427	0.468570977	0.066914357	1.60547E-05	88.21090698	9.70101E-05	0.003180838	0.000702615
2070 Jul	519.8805542	0.086482599	0.058220297	0.002104083	23.57545662	0.087584123	306.6192017	0.005004942	0.000633756	6.60453E-06	0.018050157	0.019927498	0.495957553	0.070275702	1.69585E-05	93.64206696	0.000102372	0.003367982	0.000737676
2070 Aug	551.7434692	0.087535746	0.059510387	0.002138976	24.00365067	0.090081356	327.775177	0.005160059	0.000636323	6.85022E-06	0.019197732	0.0211378	0.537078023	0.074878544	1.80186E-05	98.75629425	0.000110205	0.003625684	0.000782457
2070 Sep	540.7522583	0.085337363	0.057081148	0.002057113	23.438097	0.087992743	321.7323608	0.00499181	0.000617486	6.68462E-06	0.018910265	0.020695282	0.530445516	0.073582374	1.76995E-05	96.48736572	0.000108646	0.003570865	0.000765001
2070 Oct	526.8360596	0.084080257	0.054767754	0.001996366	22.96274376	0.086631045	313.1062012	0.004937247	0.000606709	6.53786E-06	0.018369572	0.020193847	0.512748301	0.071173921	1.72044E-05	94.15898132	0.000104998	0.003457191	0.000738893
2070 Nov	528.4537964	0.084195159	0.054646004	0.001996823	23.05210304	0.087136276	314.0097961	0.004983635	0.000606003	6.54635E-06	0.018361857	0.020274028	0.512601614	0.071110167	1.72206E-05	94.48532867	0.000104896	0.003458236	0.000738135
2070 Dec	528.8500366	0.084215432	0.054658353	0.001997372	23.0792408	0.087233976	314.2361145	0.004989107	0.000605914	6.54852E-06	0.018368624	0.02029046	0.51286906	0.071138218	1.72295E-05	94.55089569	0.000104938	0.003460024	0.00073835
2071 Jan	529.1622925	0.084228955	0.054655101	0.001997816	23.08369064	0.087292008	314.427002	0.004997049	0.000605832	6.55061E-06	0.018369112	0.020305589	0.512917936	0.071138494	1.7234E-05	94.61746216	0.000104939	0.003460777	0.000738432
2071 Feb	529.5709229	0.084244408	0.054646492	0.001998397	23.08172607	0.087358147	314.6831055	0.00500887	0.000605726	6.55354E-06	0.018367935	0.020326264	0.512920856	0.071130432	1.72389E-05	94.71071625	0.000104928	0.003461526	0.000738511
2071 Mar	529.9923706	0.084269397	0.054647334	0.001999181	23.08335495	0.08742661	314.9450989	0.005019523	0.000605723	6.55695E-06	0.018369691	0.020346636	0.513000727	0.071134023	1.72456E-05	94.8028183	0.000104935	0.003462672	0.000738683
2071 Apr	531.4237061	0.08443819	0.054735988	0.002003465	23.12239075	0.087661296	315.8121948	0.005042264	0.000606684	6.57216E-06	0.018401584	0.020407384	0.51393503	0.071252681	1.72825E-05	95.08163452	0.000105112	0.003469811	0.000740097
2071 May	524.3184814	0.08411485	0.054093905	0.001984725	23.10885239	0.086621121	310.7558899	0.004994539	0.000612891	6.54626E-06	0.018180255	0.020115912	0.504731297	0.07069084	1.7067E-05	94.15897369	0.000103544	0.003416157	0.000738404
2071 Jun	468.5751343	0.076899692	0.048314452	0.001801648	21.40016747	0.077654265	275.3015747	0.004524161	0.000603043	6.09885E-06	0.016437352	0.017919449	0.444874257	0.064364895	1.53701E-05	85.14949799	9.25138E-05	0.00303623	0.000683437
2071 Jul	489.3164368	0.077582933	0.048729442	0.001835727	21.62270927	0.080066696	288.5658875	0.004801726	0.000613071	6.3056E-06	0.016984036	0.018790001	0.462319165	0.066255197	1.59541E-05	88.96618652	9.58887E-05	0.003159132	0.000704105
2071 Aug	523.6547241	0.079213001	0.050109636	0.001881005	22.0453167	0.082910128	311.1540833	0.005035894	0.000619117	6.58863E-06	0.018145865	0.020122815	0.502967596	0.070864856	1.7052E-05	94.73561859	0.00010367	0.00342045	0.000750806
2071 Sep	522.234314	0.077439979	0.048627567	0.001827066	21.68056488	0.081862636	311.2528992	0.004941526	0.000602859	6.50494E-06	0.018151533	0.020053608	0.507012665	0.070811465	1.70324E-05	94.08591461	0.000104121	0.003435024	0.000746161
2071 Oct	518.105835	0.076905742	0.047490772	0.001799907	21.5067997	0.081796274	308.692627	0.004980754	0.000595167	6.44255E-06	0.017884837	0.01993886	0.498898566	0.069589935	1.6824E-05	93.46953583	0.000102326	0.003385616	0.000733007
2071 Nov	515.6997681	0.077095009	0.047029186	0.001791141	21.51803207	0.081910968	307.0334778	0.004983799	0.000595951	6.42876E-06	0.017793722	0.019854311	0.495033294	0.069101878	1.67374E-05	93.08528137	0.000101543	0.003361302	0.000727196
2071 Dec	515.7862549	0.07713075	0.04701912	0.001791086	21.5431881	0.081982575	307.0576477	0.004985068	0.000596108	6.42975E-06	0.01779617	0.019857408	0.495053351	0.069105312	1.67395E-05	93.09425354	0.000101543	0.003361327	0.000727084
2072 Jan	516.1439209	0.07715039	0.047015894	0.001791639	21.54397583	0.082042843	307.2790833	0.004994809	0.000596088	6.4326E-06	0.01779649	0.01987507	0.49508357	0.069103606	1.67446E-05	93.17449951	0.000101541	0.003362116	0.000727195
2072 Feb	516.6174316	0.077169441	0.047010571	0.001792275	21.54354668	0.082120061	307.5740967	0.005007925	0.000596013	6.43617E-06	0.017796233	0.019898636	0.495114058	0.069099262	1.67508E-05	93.28131866	0.000101535	0.003363119	0.00072733
2072 Mar	517.0780029	0.077193975	0.047011688	0.001793025	21.5455761	0.082194947	307.8599854	0.005019538	0.000596016	6.43992E-06	0.017798211	0.019920869	0.495201975	0.069103673	1.67582E-05	93.38207245	0.000101542	0.003364377	0.000727525
2072 Apr	519.1787109	0.077452041	0.047152303	0.001799262	21.61167145	0.082530946	309.1258545	0.005048713	0.000597779	6.46362E-06	0.017853452	0.020007344	0.4967812	0.069313601	1.6817E-05	93.78269958	0.000101853	0.003375911	0.000729912
2072 May	528.3169556	0.078733213	0.047912076	0.001829351	21.9616127	0.083977513	314.5924377	0.005148505	0.000607361	6.5738E-06	0.018145841	0.020366609	0.504994929	0.070443407	1.7101E-05	95.45944214	0.000103519	0.003432718	0.000742034
2072 Jun	501.640625	0.074233435	0.045071136	0.001765584	20.84424591	0.080332577	297.9429321	0.00499724	0.000617183	6.44048E-06	0.017381623	0.019363018	0.47459051	0.066574983	1.63422E-05	90.98773956	9.81765E-05	0.003239628	0.000702121
2072 Jul	517.5045776	0.074036598	0.044966906	0.001784471	21.01403236	0.082474969	308.0178833	0.005243885	0.000627446	6.61264E-06	0.017756384	0.020048488	0.486299485	0.067767546	1.67781E-05	93.94680786	0.000100379	0.003324487	0.000714851
2072 Aug	525.0311279	0.071680203	0.043579787	0.001732453	20.44674683	0.081355028	314.52771	0.005182171	0.000611506	6.60184E-06	0.018082539	0.020322891	0.503266633	0.069120996	1.7076E-05	94.79968262	0.000103177	0.003420739	0.00072493
2072 Sep	524.2955933	0.069701195	0.042068206	0.001674828	19.84695435	0.079625115	315.4793396	0.005063347	0.000594259	6.52201E-06	0.018150749	0.020271564	0.510203481	0.069395795	1.71049E-05	94.27572632	0.000104174	0.00345304	0.00072441
2072 Oct	504.0362549	0.068655528	0.040106051	0.001613918	19.46979141	0.077822737	302.6086426	0.004901048	0.000582877	6.32008E-06	0.01749048	0.019486407	0.488073945	0.066583239	1.64555E-05	90.69078064	9.9738E-05	0.003305394	0.000692912
2072 Nov	502.4763489	0.068665043	0.03990671	0.001607694	19.56329918	0.077960961	301.4737854	0.004885039	0.000582072	6.30253E-06	0.017442087	0.019421641	0.486312211	0.066365391	1.6405E-05	90.3653183	9.93648E-05	0.003292551	0.000689686
2072 Dec	502.9839783	0.068677381	0.039925117	0.00160802	19.61467171	0.078105427	301.750824	0.004889022	0.000581874	6.3045E-06	0.017453883	0.019440899	0.486781836	0.066418149	1.6418E-05	90.43578339	9.94426E-05	0.003295319	0.000690014
2073 Jan	503.3277283	0.068688802	0.03992625	0.001608367	19.62588692	0.078175932	301.9559326	0.004896444	0.000581788	6.30666E-06	0.017456129	0.019456744	0.486893177	0.066426761	1.64238E-05	90.50391388	9.94553E-05	0.003296383	0.000690145
2073 Feb	503.7810059	0.068705693	0.039923452	0.001608919	19.62630463	0.078250103	302.2379761	0.004908647	0.000581735	6.31014E-06	0.017456537	0.019479094	0.486940175	0.066425107	1.64302E-05	90.60507965	9.94535E-05	0.003297428	0.000690292
2073 Mar	504.4208679	0.068744257	0.039932847	0.001610009	19.63257027	0.078353435	302.6334839	0.004923148	0.000581854	6.31579E-06	0.017462486	0.019508986	0.487145275	0.066443786	1.64421E-05	90.74069977	9.94833E-05	0.00329958	0.000690655
2073 Apr	508.4394226	0.069241807	0.040209267	0.00162186	19.77068329	0.078982517	305.0559692	0.004970594	0.000585855	6.36367E-06	0.01758533	0.019669546	0.490614444	0.066907145	1.65642E-05	91.4835968	0.000100179	0.003323831	0.000695634
2073 May	504.4581909	0.069292881	0.040064141	0.001608832	20.57949638	0.07938353	301.0917358	0.004883775	0.000593592	6.3508E-06	0.017514247	0.019447811	0.486382544	0.067198448	1.64689E-05	90.80091858	9.95743E-05	0.003295436	0.000700142
2073 Jun	468.9900818	0.065603033	0.037334025	0.001506759	20.45205688	0.074955992	277.135437	0.004536282	0.000591036	6.0624E-06	0.016420718	0.017992029	0.448017329	0.063764505	1.5391E-05	84.9658432	9.26126E-05	0.003049485	0.000671573
2073 Jul	497.0462952	0.066366322	0.037932754	0.001537895	20.72518921	0.077688515	295.3956909	0.004836069	0.000597313	6.30497E-06	0.017216407	0.019137943	0.475582927	0.066787474	1.62091E-05	89.9464035	9.78248E-05	0.003234955	0.000703614
2073 Aug	530.7781982	0.066956945	0.038699854	0.001561101	20.99262047	0.080029115	317.9242249	0.005048418	0.000597569	6.55798E-06	0.018351657	0.020449525	0.516851068	0.071316615	1.72865E-05	95.51699829	0.00010563	0.003497542	0.000748862
2073 Sep	535.5511475	0.066072807	0.038060147	0.001533032	20.9012928	0.079908706	321.6867981	0.005017304	0.000585204	6.53526E-06	0.01854012	0.020621754	0.526464462	0.072051562	1.74476E-05	95.98703766	0.000107235	0.003550536	0.000753207

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Oct	521.3259888	0.065313026	0.036581777	0.001487635	20.73380852	0.079130866	312.5421753	0.004928102	0.000573908	6.37695E-06	0.018017454	0.020085175	0.509463489	0.069778353	1.69567E-05	93.43297577	0.000103719	0.003437354	0.000726933
2073 Nov	519.0203857	0.065268345	0.036345612	0.001480138	20.79909843	0.079186194	310.9559937	0.004906659	0.000572498	6.3514E-06	0.01794314	0.019992402	0.506899476	0.069447197	1.68818E-05	92.97496033	0.000103184	0.00341918	0.000722466
2073 Dec	519.772522	0.0653065	0.03637816	0.001481053	20.86223412	0.079372101	311.3778076	0.004912816	0.000572544	6.3562E-06	0.017963331	0.020020999	0.507611573	0.069532447	1.69027E-05	93.08770752	0.00010331	0.003423549	0.000723115
2074 Jan	520.0521851	0.065306492	0.036389206	0.001481055	20.90126038	0.079464212	311.5215454	0.00491317	0.000572383	6.35676E-06	0.017971629	0.0200305	0.507945418	0.069571845	1.69108E-05	93.11829376	0.000103367	0.003425351	0.000723329
2074 Feb	520.3846436	0.065310806	0.036390096	0.00148124	20.91551399	0.079536133	311.7173462	0.004919744	0.000572266	6.3586E-06	0.017974259	0.02004548	0.508077979	0.069583312	1.69167E-05	93.18135834	0.000103383	0.003426471	0.000723465
2074 Mar	521.057251	0.065356337	0.036406323	0.001482418	20.92644882	0.079643734	312.130188	0.004933205	0.000572505	6.36496E-06	0.017983818	0.020075791	0.50838089	0.069616973	1.69311E-05	93.31941986	0.000103435	0.00342916	0.000723957
2074 Apr	524.5028076	0.065746233	0.036613755	0.00149143	21.04708481	0.080175228	314.2055054	0.004973507	0.00057575	6.40504E-06	0.018088	0.020213321	0.51136148	0.070016317	1.7035E-05	93.955513	0.00010403	0.003449962	0.000728262
2074 May	515.8276978	0.065602742	0.036245055	0.001470023	21.79257774	0.079860821	307.0710144	0.00484611	0.000584787	6.36271E-06	0.017873373	0.019799665	0.501766622	0.0699009	1.6798E-05	92.58597565	0.000102485	0.003388965	0.000730523
2074 Jun	459.7557983	0.059716884	0.032422863	0.001316853	20.75974083	0.071765319	270.8804016	0.00426746	0.000562077	5.83438E-06	0.016138127	0.017528499	0.445244759	0.064106509	1.50883E-05	83.08965302	9.19287E-05	0.003019556	0.000678631
2074 Jul	499.3843994	0.060854025	0.033396922	0.001356206	21.15471458	0.075013198	296.8742981	0.004597994	0.000570768	6.17265E-06	0.017410323	0.01909849	0.489127189	0.069028243	1.63178E-05	89.90419769	0.000100376	0.003306652	0.000729547
2074 Aug	543.0519409	0.062665924	0.034834187	0.00140302	21.93376923	0.078834288	325.2442017	0.004880695	0.000580431	6.53642E-06	0.018912613	0.02077749	0.540985167	0.075039268	1.77239E-05	97.17938995	0.000110369	0.00363864	0.000789932
2074 Sep	542.6825562	0.061738916	0.0340386	0.001369386	22.17986107	0.07928852	325.1997681	0.004800318	0.000566505	6.46071E-06	0.018931324	0.020736994	0.544573009	0.075038932	1.77205E-05	96.56906128	0.000110725	0.00364824	0.000783664
2074 Oct	542.8754883	0.061365515	0.033250187	0.001344808	22.48958015	0.080554403	325.0762329	0.004846312	0.000554995	6.4035E-06	0.018798038	0.020774765	0.541938305	0.074353188	1.76379E-05	96.4083786	0.000109851	0.003628307	0.000772707
2074 Nov	549.7717896	0.061247688	0.033293188	0.001342476	23.14728546	0.082518846	328.9319763	0.004907963	0.000549304	6.41697E-06	0.018930946	0.021044679	0.548038125	0.074938513	1.77986E-05	97.34410858	0.00011079	0.003663831	0.000775471
2074 Dec	550.8057861	0.061254118	0.033334441	0.00134278	23.28182602	0.082846269	329.4741516	0.004909924	0.000548846	6.41996E-06	0.018962396	0.021080272	0.549265623	0.075081311	1.78291E-05	97.46105957	0.000111001	0.003670538	0.000776261
2075 Jan	551.0682373	0.061258134	0.03334054	0.001342887	23.30690193	0.082919389	329.6177673	0.00491242	0.000548758	6.42109E-06	0.018967949	0.021090457	0.549487233	0.075106427	1.78356E-05	97.49947357	0.000111038	0.003671883	0.000776427
2075 Feb	551.4547729	0.061271131	0.033345096	0.001343253	23.31978035	0.082994267	329.8487549	0.004919961	0.000548748	6.4239E-06	0.018972274	0.021107776	0.549655795	0.075123452	1.78431E-05	97.57496643	0.000111063	0.003673316	0.000776646
2075 Mar	552.4188843	0.0613418	0.033376887	0.001344941	23.34614563	0.083149105	330.4336853	0.004935518	0.000549232	6.43335E-06	0.018992133	0.021148968	0.550269246	0.075199105	1.7867E-05	97.76203156	0.000111176	0.003678011	0.00077755
2075 Apr	555.7625122	0.061666813	0.033547092	0.001352246	23.47275734	0.083667986	332.441925	0.004973305	0.000551958	6.46996E-06	0.019091474	0.021281889	0.553201377	0.075589128	1.79666E-05	98.37104797	0.000111755	0.003698263	0.000781705
2075 May	563.7900391	0.062329251	0.033989441	0.001364346	24.38807297	0.085765809	336.5435181	0.005009496	0.000558272	6.54287E-06	0.019367838	0.021558272	0.561635375	0.076893046	1.82238E-05	99.57881165	0.000113403	0.003749767	0.000793266
2075 Jun	512.8371582	0.056306042	0.030750912	0.001286083	22.22223282	0.078951403	305.09729	0.004688967	0.000561667	6.21459E-06	0.017838126	0.019635897	0.504959881	0.069592193	1.67256E-05	90.98700714	0.000103114	0.003387056	0.00071837
2075 Jul	515.0438232	0.055292755	0.030306222	0.001290436	21.9664402	0.079041995	306.6552429	0.004771139	0.000575367	6.30497E-06	0.017936401	0.01975677	0.505204797	0.069473624	1.68241E-05	91.50330353	0.000103423	0.003393935	0.000717193
2075 Aug	541.5436401	0.055755913	0.030782074	0.00130769	22.26990509	0.081176892	324.1500854	0.004956789	0.000578087	6.51469E-06	0.018807577	0.020792589	0.536428034	0.07293649	1.76626E-05	95.92567444	0.000109304	0.003593852	0.000751661
2075 Sep	555.8768311	0.056155208	0.030911043	0.001314353	22.56952858	0.082916036	333.3485413	0.005103301	0.000577306	6.6163E-06	0.019191135	0.021374244	0.550484776	0.074426964	1.80628E-05	98.37896729	0.000111843	0.00368634	0.000766222
2075 Oct	555.5448608	0.056302659	0.030464761	0.001304863	22.61104012	0.083586581	332.9727783	0.005178438	0.000573465	6.59753E-06	0.019045169	0.021403773	0.545873523	0.073725991	1.79724E-05	98.44457245	0.000110759	0.003660791	0.000758694
2075 Nov	558.1409912	0.056495849	0.030493977	0.00130696	22.78948212	0.0842342	334.4500427	0.005212796	0.000573897	6.61663E-06	0.019101314	0.021509765	0.547724843	0.07393495	1.80366E-05	98.8787384	0.00011107	0.003673121	0.000760284
2075 Dec	558.7567749	0.056525752	0.030510619	0.001307532	22.8388176	0.084389143	334.7952271	0.005219135	0.000573947	6.62071E-06	0.019116171	0.021533873	0.548243165	0.073996149	1.80528E-05	98.97506714	0.00011116	0.003676392	0.000760749
2076 Jan	559.0059814	0.056535508	0.030512124	0.001307737	22.84659958	0.084439211	334.943512	0.005224514	0.000573939	6.62254E-06	0.019118199	0.021545306	0.548324466	0.074003808	1.80572E-05	99.02541351	0.00011117	0.003677185	0.000760867
2076 Feb	559.4894409	0.056561727	0.030520406	0.001308384	22.85396576	0.084516346	335.2396545	0.005234621	0.00057409	6.62702E-06	0.01912421	0.021567326	0.548518181	0.07402534	1.80671E-05	99.12621307	0.000111202	0.003679006	0.0007612
2076 Mar	560.4553223	0.056624725	0.030546838	0.001309945	22.87522125	0.084668078	335.8292542	0.005251545	0.000574573	6.63663E-06	0.019142369	0.021609398	0.549072862	0.074091986	1.80901E-05	99.31794739	0.000111303	0.003683446	0.000762055
2076 Apr	562.5913696	0.056801461	0.0306341	0.001314164	22.94211197	0.084997207	337.1217651	0.005280251	0.000576197	6.65987E-06	0.019198954	0.02169711	0.55073452	0.0743066	1.81501E-05	99.71891022	0.000111628	0.003695383	0.000764435
2076 May	562.6444702	0.057629872	0.030831488	0.001324076	23.17529106	0.085119992	336.4424133	0.005304918	0.000588895	6.71607E-06	0.019213988	0.021686692	0.548426807	0.074616969	1.81609E-05	100.063858	0.000111434	0.0036881	0.000771564
2076 Jun	498.3973083	0.053857774	0.028025504	0.001221114	21.35168648	0.075759657	295.3352051	0.004770261	0.000583503	6.22765E-06	0.01722547	0.01914629	0.478655159	0.067446172	1.62137E-05	89.81244659	9.86236E-05	0.003247827	0.000710588
2076 Jul	520.3744507	0.053977661	0.028206587	0.001237902	21.42978477	0.077746123	309.7435303	0.005032873	0.000589527	6.4265E-06	0.017827075	0.02006112	0.499151945	0.069611527	1.68441E-05	93.78643799	0.000102525	0.003388373	0.000734025
2076 Aug	557.0092773	0.054787617	0.028954543	0.001261659	21.82854462	0.080239072	334.0371704	0.005239721	0.000594124	6.71883E-06	0.019123266	0.021465627	0.544974446	0.074783295	1.80465E-05	99.80995941	0.000111303	0.003678995	0.000785551
2076 Sep	569.9909058	0.055327997	0.029098116	0.001270292	22.2798481	0.082314469	342.0632324	0.00538778	0.000595686	6.81891E-06	0.019453049	0.021994092	0.55649358	0.076044917	1.83997E-05	102.041481	0.000113363	0.003755634	0.000797388
2076 Oct	555.5231323	0.054914765	0.028150281	0.00123811	22.10605431	0.081408583	332.8332825	0.005266421	0.000585273	6.66224E-06	0.018970393	0.021431828	0.540875137	0.073974572	1.79301E-05	99.38607788	0.000110152	0.003649364	0.000773048
2076 Nov	554.1991577	0.054927312	0.028026069	0.00123335	22.25615883	0.081686266	331.8141479	0.005246757	0.000583666	6.64148E-06	0.01892872	0.021373421	0.539572001	0.073794	1.78866E-05	99.05696106	0.000109845	0.003638514	0.000769762
2076 Dec	555.046814	0.054945562	0.028046492	0.001233807	22.33264542	0.081908248	332.2849121	0.005253812	0.000583534	6.64591E-06	0.018949671	0.02140579	0.540355921	0.073884539	1.79091E-05	99.1804657	0.00010998	0.003643255	0.000770395
2077 Jan	555.3202515	0.054949783	0.02804772	0.001233911	22.34586716	0.081970297	332.4445801	0.005258993	0.000583458	6.64748E-06	0.018952295	0.021417951	0.540474653	0.073895477	1.79142E-05	99.23137665	0.000110995	0.003644212	0.00077051
2077 Feb	555.7633057	0.054960392	0.028047055	0.00123423	22.34682465	0.082042977	332.7199402	0.005270662	0.000583432	6.65099E-06	0.018953254	0.021439631	0.540533841	0.073895991	1.79207E-05	99.32966614	0.000109997	0.003645299	0.00077067
2077 Mar	556.2927856	0.054983683	0.028053943	0.001234834	22.35360527	0.082127437	333.04599	0.005282045	0.000583562	6.65577E-06	0.018959245	0.021463983	0.54073298	0.073916301	1.79312E-05	99.44034576	0.000110028	0.003647224	0.00077101
2077 Apr	558.7887573	0.055189494	0.02815228	0.001239583	22.43356514	0.082504429	334.5535278	0.005314511	0.00058559	6.68348E-06	0.019027704	0.021565722	0.542725503	0.074178539	1.80026E-05	99.90838623	0.000110421	0.00366146	0.000773919
2077 May	557.0855713	0.0557095	0.028252697	0.001243835	22.63117409	0.082441173	332.8696899	0.005307551	0.000594343	6.70765E-06	0.018992847	0.021482415	0.5395239	0.074273884	1.79615E-05	99.83733368	0.000109996	0.003645472	0.000777736
2077 Jun	498.4026794	0.051983379	0.02587809	0.001151712	21.25021935	0.074609429	295.2035217	0.004782361	0.00058397	6.22964E-06	0.017190389	0.019146388	0.47745049	0.067695737	1.61895E-05	90.12574768	9.84853E-05	0.003246353	0.0007178
2077 Jul	534.7721558	0.05344744	0.026724489	0.001197528	22.00706863	0.079000071	318.0299988	0.005203364	0.000604255	6.59528E-06	0.01823817	0.020624856	0.510462642	0.071612112	1.7257E-05	96.70661163	0.000104927	0.003473285	0.000759708
2077 Aug	572.8691406	0.054178968	0.027397575	0.001218381	22.35382271	0.081359893	343.4047852	0.005412294	0.000607953	6.89504E-06	0.01959409	0.022084393	0.558573782	0.077023521	1.85097E-05	102.966568	0.000114154	0.003778242	0.000813805
2077 Sep	553.5170288	0.052448679	0.02585558	0.00115893	21.6109314	0.078670338	332.2046204	0.00515054	0.000584197	6.64539E-06	0.019051638	0.021307085	0.54446876	0.074704185	1.79481E-05	99.12117004	0.000111009	0.003670632	0.000784104
2077 Oct	550.8192749	0.05271697	0.025472222	0.001149363	21.82013893	0.079418674	330.1339722	0.005164676	0.000581433	6.60938E-06	0.018899327	0.021217372	0.539149284	0.073963381	1.7821E-05	98.60873413	0.000109822	0.003635754	0.000774324
2077 Nov	553.2369995	0.052851308	0.025542436	0.001151968	22.0009594	0.079968974	331.505127	0.005185857	0.000582264	6.62853E-06	0.018968394	0.021309793	0.541414261	0.074245252	1.78907E-05	98.98921967	0.000110238	0.003650017	0.000776655
2077 Dec	553.7770386	0.052875526	0.025556514	0.00115248	22.03982353	0.080091655	331.8127747	0.005191147	0.000582384	6.63254E-06	0.018982528	0.021330813	0.541892588	0.074303351	1.79056E-05	99.07539368	0.000110324	0.003653064	0.000777137
2078 Jan	554.0571899	0.052885551	0.025560001	0.001152699	22.0506134	0.08014711	331.9788818	0.005196225	0.000582411	6.6347E-06	0.018986462	0.021343108	0.542033076	0.074318729	1.79115E-05	99.12898254	0.000110346	0.003654187	0.000777316
2078 Feb	554.5100098	0.052895542	0.02556002	0.001152995	22.05237389	0.08022166	332.2599182	0.005207867	0.000582396	6.63832E-06	0.018987933	0.021365099	0.542107642	0.07432121	1.79185E-05	99.22850037	0.000110351	0.003655363	0.000777491
2078 Mar	555.0875854	0.052912049	0.025562692	0.001153461	22.05625153	0.080314942	332.6180725	0.00521721	0.00058244	6.64318E-06	0.018991763	0.021392561	0.542254508	0.074331872	1.79284E-05	99.35275269	0.000110369	0.003657117	0.00077777
2078 Apr	559.3018799	0.053271767	0.025731027	0.001161425	22.20354271	0.080935642	335.1563416	0.005270314	0.000586254	6.69138E-06	0.019118953	0.021560524	0.545928001	0.074824922	1.80552E-05	100.1289444	0.000111103	0.003682697	0.000783103
2078 May	540.5174561	0.053445142	0.025480194	0.00114483	22.58074188	0.079273336	321.631012	0.00507512	0.00059646	6.58448E-06	0.018587263	0.020755712	0.524745286	0.073497735	1.75111E-05	97.22314453	0.000107418	0.003550203	0.000775241
2078 Jun	494.1412354	0.050825801	0.023797506	0.001072742	21.49752998	0.073101878	291.7580566	0.00469219	0.000583602	6.18457E-06	0.017063042	0.018925572	0.473527253	0.068148859	1.60534E-05	89.72126007	9.77932E-05	0.003224996	0.000728616
2078 Jul	536.0056152	0.052086227	0.024610363	0.001109091	22.11647415	0.07695245	318.7854919	0.005066602	0.000597399	6.56069E-06	0.018380051	0.020586826	0.517952561	0.073302515	1.73402E-05	97.02728271	0.000106356	0.003518525	0.000782487
2078 Aug	562.6167603	0.051426236	0.024656108	0.001104981	22.15185165	0.077953488	337.2032471	0.005136833	0.000590806	6.72826E-06	0.019388791	0.021587914	0.556409597	0.077335842	1.82563E-05	101.0632477	0.000113557	0.003753325	0.000820023
2078 Sep	577.2034302	0.051552646	0.02468022	0.00110737	22.68730927	0.080255739	346.329895	0.005274237	0.000589424	6.82441E-06	0.019776624	0.022171108	0.570955932	0.078845084	1.86659E-05	103.4220734	0.000116099	0.003845966	0.000832851
2078 Oct	577.8358765	0.051281318	0.024309434	0.001092588	23.01576805	0.081325345	346.5062866	0.00528846	0.000580199	6.77979E-06	0.019716473	0.022205072	0.570623457	0.07853803	1.86329E-05	103.2929764	0.000115762	0.003839295	0.00082615
2078 Nov	579.2407837	0.05138373	0.024279973	0.001092433	23.17370987	0.081893668	347.22052	0.005315571	0.000579861	6.7866E-06	0.01972823	0.022266194	0.57104975	0.078561746	1.86566E-05	103.5179825	0.000115785	0.003842294	0.000825721
2078 Dec	579.6363525	0.051397502	0.024289589	0.001092688	23.21202087	0.081997484	347.4378052	0.005317939	0.000579897	6.78905E-06	0.019740028	0.022280684	0.571460783	0.078611828	1.86682E-05	103.5734711	0.000115859	0.003844729	0.000826077
2079 Jan	579.9610596	0.051390771	0.024290858	0.00109257	23.24611855	0.082097173	347.6130676	0.005321173	0.000579674	6.78985E-06	0.019745737	0.022293419	0.571720958	0.078638554	1.86755E-05	103.6187286	0.000115898	0.003846264	0.000826209
2079 Feb	580.3035278	0.051390171	0.024288394	0.001092615	23.25167465	0.082164012	347.8217468	0.00533001	0.000579556	6.792E-06	0.019745816	0.022310091	0.571766257	0.078637257	1.86802E-05	103.6914978	0.000115897	0.003847036	0.00082628
2079 Mar	581.0793457	0.051423986	0.024301082	0.00109342	23.26875687	0.082289167	348.2947998	0.005344375	0.000579819	6.79914E-06	0.019758254	0.022344382	0.572167873	0.078683488	1.86975E-05	103.8465195	0.000115967	0.003850361	0.000826891
2079 Apr	583.7752075	0.051621161	0.024390008	0.001097727	23.35791016	0.082686581	349.9222717	0.005378108	0.000581907	6.82845E-06	0.019832999	0.022453569	0.574378371	0.078976482	1.8775E-05	104.3492126	0.000116401	0.003866017	0.000830131
2079 May	592.2056885	0.052456889	0.02476237	0.001114595	23.72557068	0.083920695	354.8790894	0.00546229	0.000591677	6.93307E-06	0.020114046	0.022778198	0.582184196	0.080126353	1.90434E-05	105.9042282	0.000118012	0.003919867	0.000842737
2079 Jun	516.3320923	0.047257096	0.022216376	0.001036689	21.47818947	0.07449837	307.0630798	0.004816792	0.000587342	6.37313E-06	0.017913453	0.019799778	0.503237724	0.070754059	1.68354E-05	92.90772247	0.000103529	0.003405216	0.000747818
2079 Jul	522.1575928	0.046256721	0.021887459	0.00103725	21.3137455	0.075091735	311.0598145	0.004929411	0.000592888	6.45056E-06	0.018058594	0.020071227	0.507265508	0.07092303	1.70047E-05	93.96533966	0.000104349	0.003434966	0.000748842
2079 Aug	558.531189	0.046576604	0.022303768	0.001051404	21.70071411	0.077634946	335.188385	0.005152452	0.00059529	6.73121E-06	0.019301109	0.021478504	0.551851928	0.075882681	1.81767E-05	99.95212555	0.000112813	0.003718084	0.000798027
2079 Sep	556.1932373	0.046086743	0.02159787	0.001022474	21.44114876	0.076951548	334.4916687	0.005064519	0.000580024	6.6439E-06	0.019269357	0.021375304	0.55383867	0.07563661	1.81169E-05	99.17473602	0.000112897	0.003720306	0.00079136
2079 Oct	550.1815186	0.046248298	0.021107785	0.001008008	21.47304916	0.077233471	330.4725037	0.005059207	0.000573973	6.5705E-06	0.018992638	0.021164495	0.544764102	0.074375801	1.78756E-05	98.11397552	0.000110942	0.003661366	0.000776394
2079 Nov	546.6278076	0.046479732	0.020888038	0.001003008	21.45724869	0.077274777	328.1037903	0.005053297	0.000572997	6.54008E-06	0.018852117	0.021036442	0.539618433	0.073716104	1.77468E-05	97.52500153	0.00010989	0.003628617	0.000768901
2079 Dec	542.8551025	0.046676669	0.02073345	0.000999156	21.4546032	0.077132612	325.6225891	0.005017238	0.0005728	6.51044E-06	0.018750895	0.02088421	0.535718203	0.073246077	1.76374E-05	96.83442688	0.000109127	0.003601891	0.000763112
2080 Jan	543.1159058	0.046681549	0.020731792	0.000999199	21.45997429	0.077187046	325.7787781	0.005024226	0.000572736	6.51219E-06	0.018750675	0.020896968	0.535735071	0.073244259	1.76407E-05	96.89102936	0.000109122	0.003602393	0.000763164
2080 Feb	543.6221313	0.046689052	0.02073078	0.00099939	21.46142578	0.077272207	326.0920105	0.005037932	0.000572681	6.51608E-06	0.018750932	0.020921923	0.535779953	0.073242426	1.76478E-05	97.00450134	0.000109119	0.003603523	0.000763333
2080 Mar	544.1126099	0.046694614	0.020729205	0.000999571	21.461483	0.077353664	326.3974915	0.005051344	0.000572619	6.51984E-06	0.018751055	0.020946229	0.535820842	0.073239073	1.76545E-05	97.11450958	0.000109115	0.003604604	0.000763478
2080 Apr	546.0200806	0.046819068	0.020780431	0.001002319	21.51621628	0.077636898	327.5542603	0.005078283	0.000574015	6.54046E-06	0.018799314	0.021025337	0.537240267	0.073423013	1.77068E-05	97.4780426	0.00010939	0.003614987	0.000765579
2080 May	555.6087036	0.047618806	0.021130119	0.00101937	21.88606071	0.079024456	333.297821	0.005175833	0.000583739	6.65401E-06	0.01911387	0.021399144	0.546224177	0.074653715	1.80093E-05	99.21382141	0.000111212	0.003676275	0.000778618
2080 Jun	520.5231323	0.044603731	0.019917756	0.00099653	20.63989639	0.074885055	311.3060608	0.004932551	0.000592096	6.45177E-06	0.01812515	0.020052418	0.507940173	0.069857799	1.70136E-05	93.22802734	0.000104387	0.003429645	0.000728613
2080 Jul	514.2095337	0.042832516	0.01926427	0.000996161	20.09013939	0.074482061	307.5168762	0.004995327	0.000605441	6.4835E-06	0.017872421	0.019873049	0.496781439	0.068291895	1.68291E-05	92.38742065	0.000102321	0.003364574	0.000712428
2080 Aug	537.0041504	0.042711925	0.019340701	0.001001065	20.23111916	0.076106146	322.7679138	0.005157358	0.000606395	6.65981E-06	0.018608099	0.0207718	0.523872018	0.071218304	1.75498E-05	96.19025421	0.000107341	0.003537591	0.000741339

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Sep	540.2074585	0.042229846	0.01888377	0.000981346	20.04528046	0.075933963	325.5177002	0.005145445	0.000594761	6.63158E-06	0.018699307	0.020898426	0.53018105	0.071579598	1.76419E-05	96.52783966	0.000108234	0.003572427	0.000742682
2080 Oct	537.4696045	0.042390119	0.018444231	0.000965248	20.10951805	0.076332755	323.7104187	0.005152863	0.000585896	6.56847E-06	0.018523598	0.020812051	0.525404692	0.070793994	1.74966E-05	95.99018097	0.000107069	0.003540361	0.000732689
2080 Nov	532.2999878	0.042770222	0.018212575	0.000958652	20.21146774	0.076396838	320.1837463	0.005105268	0.000584512	6.5206E-06	0.018370414	0.020602725	0.519703984	0.070107482	1.73361E-05	95.01564026	0.000105914	0.00350092	0.000723845
2080 Dec	532.6057739	0.042809222	0.018206716	0.000958401	20.28427887	0.076581769	320.3023071	0.00510651	0.000584359	6.52083E-06	0.018377773	0.020612905	0.519963682	0.070137821	1.73435E-05	95.04124451	0.000105948	0.003502065	0.000723764
2081 Jan	533.0939331	0.04281776	0.018206378	0.000958578	20.29057312	0.076670386	320.6008606	0.005118726	0.000584313	6.52449E-06	0.018379454	0.020636374	0.520052195	0.070141628	1.7351E-05	95.14616394	0.000105954	0.003503331	0.000723938
2081 Feb	533.5609131	0.042822424	0.018204935	0.000958704	20.29044533	0.076747946	320.8912964	0.005131692	0.000584243	6.52803E-06	0.018379157	0.020659614	0.520079613	0.070137396	1.73571E-05	95.25177002	0.000105948	0.003504309	0.000724076
2081 Mar	534.1976318	0.042837266	0.018207891	0.000959088	20.29539299	0.076850444	321.2854309	0.005146723	0.000584316	6.53348E-06	0.01838387	0.020689726	0.520252943	0.070151336	1.73684E-05	95.38830566	0.00010597	0.0035063	0.000724403
2081 Apr	536.9180908	0.043012898	0.018278692	0.000963054	20.37812614	0.077257194	322.9324951	0.005183216	0.000586544	6.56389E-06	0.018457266	0.020801367	0.522381008	0.070427857	1.74457E-05	95.90019989	0.000106388	0.00352159	0.000727468
2081 May	527.1879272	0.044044793	0.01850112	0.000968911	20.51885986	0.076118767	315.6316223	0.00512052	0.000601902	6.55801E-06	0.018178489	0.02038908	0.509026647	0.069881074	1.71632E-05	94.78266907	0.000104235	0.003446427	0.000729257
2081 Jun	496.9480591	0.043222066	0.017943656	0.000937836	19.8457489	0.072075978	295.8611755	0.004901526	0.000597948	6.31799E-06	0.017152952	0.019200252	0.473498493	0.06643416	1.61931E-05	90.152565	9.76633E-05	0.003226937	0.000702476
2081 Jul	539.8201904	0.045015302	0.018755628	0.000982312	20.74471283	0.077160776	322.7125854	0.005402052	0.000621912	6.7489E-06	0.018373463	0.020943008	0.511987686	0.071104899	1.74426E-05	97.99560547	0.000105141	0.003493145	0.000753358
2081 Aug	585.4623413	0.04576689	0.019321075	0.001001923	21.20121574	0.079956271	352.9755554	0.005661495	0.000628021	7.11517E-06	0.019995399	0.022692701	0.568953156	0.077581942	1.89394E-05	105.543457	0.000116127	0.00385551	0.00081864
2081 Sep	595.1694946	0.045751818	0.019204976	0.000997865	21.53624535	0.081427336	359.1639404	0.005740837	0.000624484	7.16677E-06	0.020256642	0.023078158	0.57937181	0.078603208	1.92127E-05	107.0525589	0.000117893	0.003920189	0.000826678
2081 Oct	597.6295166	0.045920853	0.01907235	0.000993619	21.92438316	0.082757235	360.3010864	0.00579421	0.000621351	7.16472E-06	0.020247553	0.023188248	0.579556882	0.078529432	1.92351E-05	107.399086	0.000117748	0.003921014	0.000823955
2081 Nov	591.6032104	0.045880787	0.018803649	0.000983098	21.99548531	0.082705334	356.2991638	0.005738155	0.000616037	7.09196E-06	0.020040767	0.022948902	0.573025405	0.077665627	1.90348E-05	106.2287445	0.000116374	0.00387526	0.000813061
2081 Dec	591.491333	0.04592938	0.018780844	0.000982626	22.0254612	0.082814306	356.1808777	0.005741888	0.000615889	7.09004E-06	0.02002912	0.022946358	0.572593153	0.077607051	1.90262E-05	106.2078323	0.000116275	0.003872531	0.000812265
2082 Jan	591.8235474	0.045932163	0.018779356	0.00098264	22.03293991	0.082882836	356.3803101	0.005750341	0.000615798	7.09219E-06	0.020029441	0.02296238	0.572637975	0.0776072	1.90308E-05	106.2781677	0.000116274	0.003873277	0.000812343
2082 Feb	592.3238525	0.045939814	0.018779751	0.000982815	22.03564835	0.082966231	356.6893311	0.005763257	0.000615781	7.09617E-06	0.020030882	0.022986671	0.572714269	0.07761012	1.90384E-05	106.3885956	0.000116278	0.003874548	0.000812545
2082 Mar	593.0096436	0.045966305	0.018788345	0.000983408	22.04699898	0.083072424	357.1100464	0.005776708	0.000616046	7.10273E-06	0.020041151	0.023017414	0.573036909	0.077647023	1.90533E-05	106.5290298	0.000116334	0.003877365	0.000813074
2082 Apr	595.2915039	0.046105046	0.018842217	0.00098644	22.11200905	0.083405793	358.4958496	0.00580818	0.000617793	7.12775E-06	0.020100644	0.023111653	0.574780047	0.077872828	1.9117E-05	106.9619751	0.000116674	0.003890013	0.000815626
2082 May	604.6109009	0.046792571	0.019120606	0.0010012	22.44150734	0.084726393	364.1165466	0.005907546	0.000626907	7.23726E-06	0.020399198	0.023478592	0.583352625	0.079025745	1.94074E-05	108.657547	0.000118402	0.003948814	0.000827874
2082 Jun	539.9797363	0.041465092	0.017282564	0.000944733	21.09738159	0.078118868	323.1729736	0.005266367	0.000616145	6.71457E-06	0.018621745	0.020900222	0.520644963	0.071055532	1.75781E-05	96.76824951	0.00010684	0.00352217	0.000737972
2082 Jul	521.5808105	0.039236967	0.016502021	0.000932747	20.35437393	0.076496929	311.5802002	0.005232608	0.000620904	6.61575E-06	0.017967802	0.020247346	0.4959656	0.067800485	1.69913E-05	93.78684235	0.000102277	0.003368981	0.000704419
2082 Aug	554.2977295	0.039875146	0.016831599	0.000950852	20.78707123	0.079489186	332.8045349	0.005532562	0.000629703	6.90159E-06	0.018970007	0.021553503	0.530471921	0.071719632	1.7986E-05	99.49448395	0.000108814	0.003596825	0.000744957
2082 Sep	566.6187134	0.040090021	0.016785437	0.000949331	20.85620308	0.080376379	341.075592	0.00562522	0.0006276	6.98457E-06	0.019353453	0.02204258	0.544802129	0.073217973	1.83587E-05	101.5552597	0.000111433	0.003688612	0.000759618
2082 Oct	545.9378662	0.039849851	0.015936797	0.000912291	20.3437252	0.078388825	328.303009	0.005440606	0.000606524	6.73522E-06	0.018643029	0.021241918	0.523416221	0.070343003	1.76733E-05	97.8266449	0.00010698	0.003543687	0.000727609
2082 Nov	548.4546509	0.039954495	0.015942778	0.000912622	20.54958534	0.079052322	329.7122192	0.005468438	0.000606339	6.75002E-06	0.018699028	0.021341728	0.525424242	0.070569612	1.77362E-05	98.21963501	0.000107314	0.003556343	0.000729184
2082 Dec	549.2263184	0.039962921	0.01595236	0.000912752	20.63057709	0.079263493	330.1317444	0.005472339	0.000606243	6.75387E-06	0.018721508	0.021369655	0.52624917	0.070668489	1.77585E-05	98.32272339	0.000107459	0.003561126	0.000729849
2083 Jan	549.6894531	0.039967977	0.015952209	0.000912855	20.6377697	0.079348184	330.4146729	0.005483513	0.000606192	6.75727E-06	0.018723628	0.021391699	0.526353478	0.070674442	1.77659E-05	98.42058563	0.000107468	0.003562413	0.000730024
2083 Feb	550.2133179	0.039982777	0.01595632	0.000913197	20.64416504	0.079431422	330.7370911	0.005494942	0.000606327	6.76204E-06	0.018729346	0.021415878	0.526542008	0.070693642	1.77761E-05	98.53072357	0.000107498	0.003564279	0.000730356
2083 Mar	551.1157227	0.040014401	0.015966672	0.000913957	20.65921402	0.079572134	331.2911072	0.005512497	0.0006067	6.77079E-06	0.018743372	0.021456266	0.526977062	0.070742466	1.77961E-05	98.71430969	0.000107574	0.003568026	0.000731038
2083 Apr	553.9421997	0.040185448	0.016032733	0.00091791	20.74639893	0.079990566	333.0019836	0.005549231	0.000609192	6.80317E-06	0.018822957	0.021571532	0.529255748	0.071038529	1.78783E-05	99.2421875	0.000108026	0.003584246	0.000734271
2083 May	552.817688	0.040997114	0.016331842	0.000922757	21.66611481	0.080887541	330.8034973	0.005483118	0.000618744	6.81893E-06	0.018851483	0.021457804	0.528169274	0.071729347	1.78755E-05	99.0479126	0.000108025	0.003576253	0.000742745
2083 Jun	497.0277405	0.039196499	0.01552601	0.0008628	20.94892693	0.073891044	294.419342	0.004886196	0.000599555	6.30391E-06	0.017156502	0.019172711	0.472248942	0.066237517	1.6188E-05	89.61362457	9.75706E-05	0.003210271	0.000694038
2083 Jul	522.7193604	0.038799718	0.015533729	0.000867477	20.97204208	0.075648956	311.6140137	0.005124503	0.000601211	6.50954E-06	0.017928952	0.020215349	0.50007534	0.069145046	1.69623E-05	94.04625702	0.000102817	0.003392999	0.000723993
2083 Aug	547.2381592	0.037608907	0.015290667	0.000854613	20.68613625	0.075889885	329.1376648	0.005179164	0.000590473	6.64756E-06	0.018845918	0.021147784	0.536839724	0.072869837	1.78093E-05	97.76183319	0.000109569	0.003616666	0.000758913
2083 Sep	548.9914551	0.037483849	0.014887696	0.00083426	20.64309883	0.075597703	330.9289856	0.005090912	0.000576549	6.59243E-06	0.018987972	0.021182893	0.544671535	0.073417075	1.78964E-05	97.60634613	0.000110837	0.003654675	0.00076023
2083 Oct	529.069397	0.037993692	0.014233992	0.000811233	20.49469948	0.074591637	318.0627136	0.004917974	0.000565463	6.3905E-06	0.018351678	0.020398684	0.523223579	0.070692122	1.72625E-05	93.98170471	0.000106491	0.003509237	0.000728307
2083 Nov	523.3636475	0.038180675	0.014055582	0.000804844	20.55848885	0.074477628	314.2675171	0.004856401	0.000562538	6.33148E-06	0.018184347	0.02016554	0.51750648	0.069981962	1.70885E-05	92.88275909	0.000105327	0.003468831	0.000719228
2083 Dec	524.1159668	0.038185321	0.014059033	0.000804883	20.61783409	0.074670658	314.6903076	0.004865299	0.000562381	6.33546E-06	0.018199009	0.020195805	0.518077195	0.07004489	1.71064E-05	93.00149536	0.00010542	0.00347248	0.000719685
2084 Jan	524.6170654	0.038188178	0.014057006	0.000804941	20.61753273	0.074756943	315.0021362	0.004879506	0.00056229	6.3392E-06	0.018198319	0.020220924	0.518092573	0.070037358	1.71128E-05	93.11491394	0.00010541	0.003473449	0.000719795
2084 Feb	525.1544189	0.038192518	0.014056621	0.000805052	20.61834908	0.074845538	315.3362427	0.004893846	0.000562246	6.34341E-06	0.018199122	0.020247329	0.518154681	0.07003662	1.71205E-05	93.23468781	0.000105409	0.003474721	0.000719979
2084 Mar	526.0697021	0.038223058	0.014065986	0.000805736	20.6336956	0.07498797	315.8981628	0.004911686	0.000562598	6.35216E-06	0.01821306	0.020288322	0.518592536	0.070085876	1.71406E-05	93.42111206	0.000105485	0.003478504	0.000720672
2084 Apr	530.0065918	0.038471419	0.014155537	0.000811023	20.76699638	0.075561628	318.2751465	0.00495795	0.00056616	6.3973E-06	0.018331178	0.020445993	0.52199924	0.070535623	1.72589E-05	94.14440918	0.000106165	0.003502213	0.000725484
2084 May	521.90979	0.039703261	0.014552731	0.000821872	21.27201843	0.075115927	311.6407166	0.004876461	0.000583109	6.40356E-06	0.018140692	0.020072769	0.511401415	0.070409812	1.7046E-05	93.15245056	0.000104553	0.003441256	0.000730064
2084 Jun	470.6502991	0.038277064	0.013968164	0.000781488	20.06442833	0.068601117	278.5539856	0.004476998	0.000570721	5.97157E-06	0.016433466	0.018058203	0.453496933	0.06438785	1.5421E-05	84.96945953	9.37022E-05	0.003076583	0.000678455
2084 Jul	503.184967	0.038557511	0.014185208	0.000797325	20.40959167	0.071752876	299.5921631	0.004843202	0.000579593	6.26018E-06	0.01733838	0.019393608	0.484343797	0.067806028	1.63589E-05	90.80966949	9.95542E-05	0.003286307	0.000715098
2084 Aug	535.4073486	0.038182382	0.014221541	0.000794188	20.42024612	0.072734706	321.7675171	0.004950187	0.000573616	6.47321E-06	0.018546239	0.020610724	0.529537201	0.072666533	1.7452E-05	95.86264038	0.000108118	0.00356608	0.000762278
2084 Sep	539.3184814	0.037784494	0.013934032	0.000780891	20.48297501	0.073138729	324.6545105	0.004939598	0.000563634	6.45352E-06	0.018667521	0.02075683	0.536373794	0.073127747	1.75689E-05	96.23506927	0.00010915	0.003602911	0.000763632
2084 Oct	527.6477661	0.038123962	0.013535148	0.000767097	20.56436729	0.072904781	316.9862061	0.004818442	0.000556416	6.3282E-06	0.018317081	0.020285605	0.524609029	0.07158801	1.72078E-05	93.97114563	0.000106729	0.003519564	0.000743814
2084 Nov	524.055603	0.038320728	0.013418962	0.000763806	20.62122536	0.072931312	314.5646973	0.00478464	0.000555089	6.29346E-06	0.018209172	0.020140752	0.520737231	0.071102045	1.70965E-05	93.28327179	0.000105941	0.003492557	0.000737531
2084 Dec	524.6672363	0.038332298	0.013424546	0.000763989	20.67311859	0.073083743	314.9064331	0.004789902	0.000555117	6.29731E-06	0.018225119	0.020164143	0.52130127	0.071169287	1.71132E-05	93.37526703	0.00010604	0.003496025	0.000738034
2085 Jan	525.0007324	0.038326684	0.013423958	0.000763861	20.70113564	0.073176362	315.0915222	0.004794415	0.000554935	6.29853E-06	0.018229812	0.020177906	0.521518052	0.071191169	1.71201E-05	93.427948	0.000106072	0.003497428	0.000738173
2085 Feb	525.4560547	0.038330041	0.013424222	0.000763943	20.70617867	0.073255591	315.3713379	0.004805608	0.000554904	6.30201E-06	0.018231774	0.020199703	0.521613359	0.071196511	1.71274E-05	93.52565765	0.00010608	0.003498683	0.000738357
2085 Mar	526.0810547	0.038339101	0.013425913	0.000764165	20.71048164	0.073356427	315.758728	0.004820575	0.000554953	6.30727E-06	0.01823595	0.020229403	0.52177316	0.071208261	1.71382E-05	93.66005707	0.0001061	0.003500585	0.000738661
2085 Apr	528.300293	0.03846962	0.013470381	0.000766806	20.78052711	0.073677391	317.1014709	0.004848734	0.000556776	6.33198E-06	0.01829808	0.020319551	0.523585439	0.071446851	1.72024E-05	94.07467651	0.000106457	0.003513443	0.000741288
2085 May	522.4449463	0.039398823	0.01378921	0.00077566	21.25149345	0.073544435	312.1539612	0.004786497	0.000569705	6.33755E-06	0.018162459	0.020044655	0.515837193	0.071390308	1.70495E-05	93.33524323	0.000105283	0.003468387	0.00074472
2085 Jun	505.5211792	0.039525922	0.013825672	0.000771688	21.03936577	0.071740039	300.4996643	0.004726103	0.000575882	6.24161E-06	0.01752625	0.019394562	0.491922319	0.069315851	1.64756E-05	91.05563354	0.000100956	0.003327851	0.000731241
2085 Jul	543.0195923	0.040139865	0.014159095	0.000791366	21.63607597	0.075337581	324.6239929	0.005077584	0.000587813	6.57617E-06	0.018673034	0.020891389	0.530778468	0.073795922	1.76129E-05	97.60990143	0.000108389	0.003585234	0.000777809
2085 Aug	560.3669434	0.038531959	0.013751475	0.000766683	21.27674675	0.074573323	337.7757263	0.004992358	0.000567324	6.61119E-06	0.019444689	0.021505937	0.564008236	0.076942213	1.82713E-05	99.7567215	0.000114444	0.003777128	0.00080422
2085 Sep	552.6126709	0.03799098	0.013144149	0.000742059	21.20803833	0.074356012	333.1770935	0.004888469	0.000550573	6.4731E-06	0.019174952	0.021199331	0.558024287	0.075722955	1.80132E-05	98.00275421	0.000112874	0.003727509	0.000786076
2085 Oct	542.850647	0.038136296	0.012742325	0.000727447	21.35463524	0.074570194	326.6546021	0.004814033	0.000541382	6.35275E-06	0.018818006	0.020820623	0.546590745	0.074149579	1.76743E-05	96.10011292	0.000110444	0.003648169	0.000766008
2085 Nov	536.3226929	0.038250744	0.012558638	0.000721019	21.41898727	0.074459143	322.322876	0.00474704	0.000537852	6.28468E-06	0.018620716	0.020556452	0.539912879	0.073296137	1.74729E-05	94.83709717	0.000109087	0.003601126	0.000755135
2085 Dec	536.7855835	0.03825485	0.012559497	0.000721032	21.45617867	0.074582122	322.5814209	0.004752812	0.000537775	6.28723E-06	0.018629508	0.020575199	0.54024744	0.073332667	1.74838E-05	94.91059875	0.000109141	0.003603281	0.00075539
2086 Jan	537.260376	0.03825514	0.012557709	0.000721035	21.45871735	0.074668802	322.8742065	0.004765961	0.000537675	6.29064E-06	0.01862902	0.020598799	0.540273011	0.073326781	1.74899E-05	95.01609039	0.000109133	0.003604224	0.000755487
2086 Feb	537.7410889	0.038255151	0.012556497	0.000721054	21.45787048	0.074749552	323.1737976	0.004779585	0.000537594	6.29426E-06	0.018628294	0.020622894	0.540288687	0.073320054	1.74961E-05	95.12528992	0.000109124	0.003605168	0.000755605
2086 Mar	538.4173584	0.038267165	0.012559288	0.000721317	21.46457291	0.07485804	323.5916443	0.004794986	0.00053769	6.30009E-06	0.018634221	0.020654546	0.540500283	0.073338918	1.75085E-05	95.26865387	0.000109154	0.003607412	0.000755981
2086 Apr	541.4661255	0.038444456	0.012616255	0.000724708	21.56406212	0.075297207	325.4368591	0.0048322	0.000540109	6.33352E-06	0.018720997	0.020777646	0.54306072	0.073675282	1.75974E-05	95.83335876	0.000109657	0.00362539	0.00075964
2086 May	546.7920532	0.039219532	0.012881973	0.000736948	22.004776	0.076282628	328.1808472	0.004878043	0.000551059	6.41777E-06	0.018921899	0.020967143	0.547723174	0.074613236	1.77799E-05	96.86508942	0.000110716	0.00365861	0.000770511
2086 Jun	487.1520386	0.037520964	0.012485895	0.000716061	20.74346733	0.06924174	289.4705505	0.004384282	0.000554002	5.99616E-06	0.017126935	0.01859783	0.482455432	0.067795902	1.60037E-05	87.10732269	9.88797E-05	0.003243329	0.000708627
2086 Jul	512.630127	0.037165001	0.012545138	0.000732222	20.91133499	0.071642555	306.0345764	0.004676167	0.000567799	6.25768E-06	0.017895875	0.01964668	0.506975293	0.070416972	1.67777E-05	91.63492584	0.000103707	0.003409635	0.00073576
2086 Aug	544.0696411	0.036247145	0.012408702	0.000721711	20.93028831	0.072587587	327.8562927	0.004752025	0.000556586	6.43902E-06	0.019077102	0.020827884	0.552728474	0.075194322	1.78495E-05	96.38322449	0.000112249	0.003688636	0.00078039
2086 Sep	542.638916	0.035704192	0.011965618	0.000703966	20.88975716	0.072692581	327.39151	0.004698963	0.000543789	6.36755E-06	0.019016569	0.02076849	0.553864837	0.074869938	1.7799E-05	95.78174591	0.000112066	0.003686794	0.000772377
2086 Oct	543.2801514	0.036000036	0.011852324	0.000700637	21.29357147	0.073807418	327.3699951	0.004705043	0.00054149	6.35433E-06	0.019009966	0.020788899	0.553760052	0.074790597	1.7797E-05	95.72134399	0.000111914	0.003682773	0.00076876
2086 Nov	545.3443604	0.036091618	0.011881367	0.000702206	21.43204498	0.074224703	328.5576477	0.004721947	0.00054257	6.3727E-06	0.019074012	0.020867186	0.555791914	0.075050354	1.78595E-05	96.05261993	0.000112299	0.003695664	0.000771043
2086 Dec	546.1184692	0.036092471	0.011883275	0.000702223	21.48623657	0.074413039	328.9985962	0.004732092	0.000542441	6.37712E-06	0.019088233	0.020898942	0.556340635	0.075110011	1.78775E-05	96.17967224	0.000112388	0.003699294	0.000771509
2087 Jan	546.6444702	0.036091313	0.011881651	0.000702217	21.49057388	0.074509174	329.3226624	0.004746043	0.000542333	6.38086E-06	0.019088581	0.020924754	0.556399703	0.075107217	1.78848E-05	96.29424286	0.000112386	0.003700476	0.000771636
2087 Feb	547.2720337	0.036098298	0.011882894	0.000702379	21.49458504	0.074610971	329.711731	0.004761292	0.000542366	6.38608E-06	0.019092323	0.020954708	0.556548655	0.075117327	1.78954E-05	96.42977142	0.000112403	0.003702328	0.000771928
2087 Mar	548.2920532	0.036131475	0.011892791	0.000703059	21.51418686	0.074765526	330.3375854	0.004779711	0.0005428	6.39592E-06	0.019110238	0.020999558	0.55711031	0.075182967	1.7919E-05	96.63370514	0.000112503	0.003706901	0.000772784
2087 Apr	550.0895996	0.036214285	0.011919006	0.000704712	21.56347656	0.075026602	331.4325867	0.004805232	0.000543982	6.41476E-06	0.019154653	0.021074394	0.558446348	0.075352505	1.79678E-05	96.97537231	0.000112759	0.003716653	0.000774712
2087 May	545.4250488	0.036795106	0.012111523	0.000710963	21.64169502	0.074556716	327.9181519	0.004776026	0.000552076	6.41541E-06	0.019026162	0.020876752	0.552025735	0.075078197	1.78357E-05	96.42985535	0.000111734	0.003680362	0.000775222
2087 Jun	506.9940796	0.036852635	0.012180675	0.0007061	20.91589546	0.070018902	302.4714355	0.004507794	0.000560445	6.17328E-06	0.017804965	0.019358054	0.506385624	0.070765711	1.66538E-05	90.57925415	0.000103512	0.003399504	0.000741172
2087 Jul	534.1384277	0.03716391	0.012367968	0.000722947	21.52750969	0.07353925	319.4910278	0.004833899	0.000572991	6.43354E-06	0.018536435	0.020472258	0.530362427	0.073531628	1.74313E-05	95.45632172	0.000108029	0.003563681	0.000769982

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Aug	569.489563	0.037281133	0.012478854	0.000730435	21.789011	0.075756706	343.0592346	0.005057302	0.000576904	6.71625E-06	0.019749809	0.021844756	0.573651791	0.078331769	1.85766E-05	101.3288345	0.000116243	0.003839626	0.000817828
2087 Sep	583.3832397	0.037686378	0.012446112	0.000733661	22.233375555	0.077655874	351.8708496	0.005159599	0.00057951	6.82707E-06	0.020198714	0.022383858	0.589276016	0.080034994	1.90103E-05	103.5546646	0.000119088	0.003937809	0.000832527
2087 Oct	581.0418701	0.037853383	0.012283401	0.000727917	22.56817818	0.078520127	349.9581604	0.005146611	0.000575345	6.78362E-06	0.020082882	0.022291485	0.585672617	0.07951013	1.89082E-05	102.9807663	0.00011824	0.003911076	0.000824261
2087 Nov	578.5734253	0.037985098	0.012222797	0.000726309	22.62530136	0.078543641	348.2812195	0.00511787	0.000574601	6.76003E-06	0.020017337	0.022188649	0.583272874	0.079214007	1.88365E-05	102.4889221	0.000117759	0.003893706	0.000820199
2087 Dec	579.2741699	0.037977047	0.012223505	0.000726125	22.70784187	0.078758612	348.6533203	0.005121529	0.000574329	6.76247E-06	0.02003585	0.022214081	0.583996952	0.079297043	1.88556E-05	102.5773621	0.000117881	0.003897796	0.00082067
2088 Jan	579.828186	0.037975483	0.012222549	0.000726094	22.72370911	0.078871869	348.9857483	0.005133958	0.000574209	6.7661E-06	0.020039061	0.022239897	0.584157586	0.079307787	1.88648E-05	102.6887054	0.000117898	0.003899434	0.000820859
2088 Feb	580.230957	0.037976049	0.012222067	0.000726108	22.72451019	0.078940116	349.2357483	0.005144894	0.000574159	6.76918E-06	0.020039249	0.022259798	0.584193647	0.079305492	1.88704E-05	102.7786484	0.000117895	0.003900329	0.000820979
2088 Mar	581.2913208	0.03801221	0.012232851	0.000726825	22.74612999	0.079099707	349.8851929	0.005163556	0.000574647	6.77954E-06	0.020058753	0.022306105	0.584800243	0.079378024	1.88955E-05	102.989769	0.000118005	0.003905199	0.000821909
2088 Apr	587.0170898	0.038355652	0.012342551	0.000733408	22.95145988	0.079893455	353.3418579	0.00522321	0.000579778	6.84443E-06	0.020240083	0.022531154	0.590122163	0.080091417	1.90727E-05	104.0264969	0.000119067	0.00394152	0.000829468
2088 May	598.7880859	0.039167654	0.012602961	0.00074814	23.42788887	0.081532024	360.3739929	0.005334517	0.000591516	6.98201E-06	0.02063331	0.022985118	0.601508439	0.081675403	1.94481E-05	106.1454391	0.000121366	0.004018519	0.000846234
2088 Jun	558.5341187	0.037073586	0.012128936	0.000746959	22.12014771	0.077008232	334.8813782	0.005061934	0.000602132	6.75235E-06	0.019478977	0.021434439	0.556612492	0.076284252	1.829E-05	99.40860748	0.000113381	0.003732121	0.000791876
2088 Jul	584.1719971	0.037594572	0.012402831	0.00077348	22.68296432	0.080200955	350.8068237	0.005369672	0.00062486	7.05046E-06	0.020265546	0.022475986	0.579455793	0.079044692	1.90739E-05	104.0699387	0.000118005	0.0038904	0.000821019
2088 Aug	632.4237061	0.038458612	0.012780196	0.00079344	23.46238327	0.083905786	382.2032166	0.005678756	0.00063828	7.46643E-06	0.021953871	0.024329871	0.637129009	0.085766815	2.06457E-05	112.1367569	0.000129168	0.004259866	0.000888675
2088 Sep	647.2261963	0.038779858	0.012828891	0.000797457	24.06420517	0.086222358	391.292511	0.005818167	0.000640628	7.58048E-06	0.022371221	0.024915112	0.6516397	0.087417394	2.10717E-05	114.5918121	0.000131818	0.004353651	0.000903792
2088 Oct	623.0518799	0.038885213	0.012289508	0.000775214	23.71849251	0.084584422	375.884491	0.005612284	0.000625326	7.32956E-06	0.021576643	0.023970969	0.625704348	0.084088996	2.02965E-05	110.2320175	0.00012659	0.004179019	0.000866126
2088 Nov	618.8540039	0.039095122	0.012200567	0.000772881	23.69198608	0.084405005	373.1457214	0.005578098	0.000624233	7.29299E-06	0.021448119	0.023805626	0.621066928	0.083520345	2.01664E-05	109.4830475	0.000125673	0.004147976	0.00085953
2088 Dec	619.4962158	0.039101269	0.012203444	0.000772943	23.7525959	0.084574059	373.4993591	0.005582813	0.000624207	7.29662E-06	0.021465365	0.023829704	0.621689439	0.083594456	2.01842E-05	109.5750885	0.000125782	0.004151704	0.000860052
2089 Jan	619.9007568	0.03910248	0.012202639	0.000772943	23.75514221	0.084646575	373.7487488	0.005593688	0.000624149	7.29964E-06	0.02146562	0.023849612	0.621728241	0.083592281	2.01898E-05	109.6643906	0.000125779	0.004152596	0.00086016
2089 Feb	620.3786621	0.039106239	0.012203189	0.000773014	23.75712013	0.084724754	374.045166	0.005605878	0.000624149	7.30353E-06	0.021467417	0.02387275	0.621811688	0.083595999	2.01973E-05	109.7694244	0.000125786	0.004153865	0.000860358
2089 Mar	621.5658569	0.03915276	0.012217084	0.000773946	23.78555107	0.084900238	374.7701721	0.005624689	0.00062484	7.31569E-06	0.02149336	0.023923337	0.622596979	0.083693154	2.02276E-05	110.0001678	0.000125933	0.004159835	0.000861516
2089 Apr	625.538269	0.039373599	0.012285359	0.000778329	23.92000389	0.085456453	377.1750183	0.005668911	0.000628316	7.36057E-06	0.021615224	0.024081256	0.626162291	0.084163539	2.03484E-05	110.7242432	0.000126643	0.004184395	0.000866519
2089 May	619.5839844	0.040239293	0.012581437	0.000787946	24.05544662	0.084860601	372.6132813	0.005628528	0.000639916	7.36654E-06	0.02145974	0.023824528	0.617990494	0.083885513	2.01845E-05	110.0487671	0.000125367	0.004138571	0.000868244
2089 Jun	588.1728516	0.040615663	0.012792456	0.000786076	23.52570724	0.081231043	351.5485535	0.00544109	0.000647653	7.172E-06	0.020399185	0.022592528	0.578462124	0.080304921	1.91837E-05	105.469635	0.000118223	0.003899607	0.000842268
2089 Jul	621.0027466	0.040585153	0.012902007	0.000795323	24.1192894	0.08424516	372.8484497	0.005681342	0.000654028	7.44215E-06	0.021474566	0.023874506	0.616122901	0.08454188	2.02207E-05	110.9152756	0.000125373	0.004140595	0.000883756
2089 Aug	653.7630005	0.040373985	0.012944557	0.000798818	24.57658958	0.086622864	394.5308533	0.00585741	0.000655322	7.68796E-06	0.022615846	0.025130186	0.657459617	0.089122199	2.12921E-05	116.1738281	0.000133177	0.004399675	0.00092781
2089 Sep	659.0391235	0.040304393	0.012735588	0.000788621	24.96530724	0.087562792	397.9646301	0.005821403	0.000646725	7.67785E-06	0.02283735	0.025303178	0.66705519	0.089999475	2.14746E-05	116.6171188	0.000134815	0.004450458	0.000931965
2089 Oct	633.8887939	0.039952435	0.011981771	0.00075461	24.45212364	0.085602276	382.3737793	0.00559097	0.000620735	7.3713E-06	0.021986559	0.024327643	0.641414821	0.086391352	2.06489E-05	111.9175415	0.000129474	0.004273604	0.000889782
2089 Nov	634.1514893	0.040077657	0.011931127	0.000753383	24.5052948	0.085912935	382.4659729	0.005611243	0.000619852	7.36887E-06	0.021963153	0.024347257	0.640653372	0.08625485	2.06373E-05	111.9731064	0.000129273	0.004269345	0.00088799
2089 Dec	634.859436	0.040088568	0.011934789	0.000753542	24.56134033	0.086082198	382.8648682	0.005617807	0.000619917	7.37357E-06	0.021981291	0.024374615	0.641288996	0.086330831	2.06565E-05	112.0824509	0.000129385	0.004273317	0.000888583
2090 Jan	635.3231812	0.040095001	0.011936087	0.000753641	24.57283974	0.086167201	383.1451111	0.005627476	0.000619952	7.37727E-06	0.021986153	0.024395755	0.641467273	0.086348198	2.06655E-05	112.1760559	0.000129411	0.004274955	0.000888839
2090 Feb	635.9212646	0.040102657	0.011937858	0.000753788	24.57794189	0.086263582	383.5148926	0.00564152	0.000620016	7.38235E-06	0.021990605	0.024423992	0.641632557	0.086361855	2.0676E-05	112.3041153	0.000129433	0.004276835	0.000889152
2090 Mar	636.9762573	0.040136665	0.011947444	0.000754444	24.59957695	0.086422548	384.1613159	0.005660009	0.000620494	7.39263E-06	0.022010138	0.024470041	0.642240822	0.086434074	2.0701E-05	112.5135651	0.000129543	0.004281697	0.00089007
2090 Apr	639.6149902	0.040270489	0.011986728	0.000756982	24.6821804	0.086795755	385.7634277	0.005692501	0.00062252	7.42131E-06	0.02208457	0.024576899	0.644450665	0.086721659	2.07776E-05	113.0025711	0.000129976	0.004297229	0.000893205
2090 May	647.1934204	0.04070333	0.012137149	0.000764201	25.18919563	0.088226207	390.0395508	0.005760171	0.00062867	7.49906E-06	0.022319805	0.02486336	0.651477635	0.087739035	2.1008E-05	114.3040695	0.00013136	0.004343681	0.000903369
2090 Jun	579.2134399	0.038268887	0.01173347	0.000727108	24.81309891	0.082223654	345.1802063	0.005085414	0.000609672	6.88817E-06	0.020230852	0.02210599	0.580769539	0.080115721	1.89473E-05	102.3356705	0.000118066	0.003874565	0.000825914
2090 Jul	603.6713257	0.03814726	0.011811487	0.000738401	25.02426147	0.084048443	361.2423401	0.005282599	0.000619456	7.11859E-06	0.021065298	0.023071153	0.608507454	0.083204798	1.97378E-05	106.4923477	0.000123506	0.004054947	0.00085706
2090 Aug	603.6609497	0.036075383	0.011149503	0.000706291	24.10841179	0.0816672	363.5229797	0.005099759	0.000593155	7.0057E-06	0.02120585	0.023035994	0.621126771	0.083776884	1.98309E-05	105.7874527	0.0001254	0.0041154	0.000857238
2090 Sep	588.2852783	0.03574926	0.010555668	0.00068084	23.70466423	0.080442168	354.247406	0.004952104	0.000573309	6.8014E-06	0.020675415	0.022444064	0.606198907	0.08147914	1.93227E-05	102.8340225	0.000122128	0.004009895	0.000829187
2090 Oct	562.0770264	0.036404286	0.009914979	0.000659018	22.97589684	0.078703649	337.7611084	0.004838944	0.000557906	6.54588E-06	0.019690532	0.021483056	0.57303369	0.077130482	1.84108E-05	98.46925354	0.000115437	0.003797829	0.00078294
2090 Nov	554.3635254	0.03646519	0.0097194	0.000651362	22.76836967	0.078201845	332.9121704	0.004806176	0.000552134	6.46459E-06	0.019388974	0.021201504	0.56321152	0.075824797	1.81363E-05	97.17219543	0.000113435	0.003734845	0.000769035
2090 Dec	555.0022583	0.036469933	0.009720784	0.000651349	22.84135628	0.078389578	333.2525024	0.00480917	0.000552062	6.46769E-06	0.019407783	0.021224378	0.563895404	0.07590697	1.81549E-05	97.25479889	0.000113554	0.003738752	0.00076955
2091 Jan	555.3781128	0.036466941	0.009720325	0.000651262	22.86663628	0.078483865	333.4657593	0.004815103	0.000551944	6.46962E-06	0.019412713	0.021240357	0.564107358	0.075928777	1.81625E-05	97.31938934	0.000113586	0.003740249	0.000769729
2091 Feb	555.8455811	0.036463976	0.009719542	0.000651204	22.87187958	0.078569606	333.7521667	0.00482726	0.000551842	6.47288E-06	0.019413179	0.02126313	0.564168215	0.075928375	1.81691E-05	97.42070007	0.000113585	0.003741338	0.000769863
2091 Mar	557.2359619	0.03652006	0.009734148	0.000652218	22.90815926	0.078779429	334.5987244	0.00484884	0.000552645	6.48701E-06	0.01944406	0.021322088	0.565105557	0.076044783	1.82049E-05	97.68901825	0.000113761	0.00374839	0.000771225
2091 Apr	561.4356689	0.036758639	0.009797326	0.0006565	23.05853271	0.079386078	337.1334229	0.004895245	0.000556214	6.53379E-06	0.019572342	0.021488789	0.568874896	0.076541536	1.83321E-05	98.45082092	0.000114506	0.003774259	0.000776452
2091 May	566.241333	0.037615776	0.010082413	0.000669137	23.42420959	0.080210418	339.5092468	0.004961589	0.000568466	6.6222E-06	0.019726723	0.021668684	0.571644306	0.077335961	1.84826E-05	99.53662109	0.00011523	0.003798767	0.000787401
2091 Jun	523.784668	0.037495643	0.010372007	0.000665461	22.53195	0.074753441	311.5277405	0.004653201	0.000574634	6.34067E-06	0.018368233	0.019987326	0.521846294	0.072691105	1.71717E-05	93.10057068	0.000106288	0.003492975	0.000752435
2091 Jul	567.4864502	0.038318723	0.010683709	0.000687272	23.33182716	0.079007499	339.4438477	0.005055168	0.000592093	6.74508E-06	0.019743141	0.021720469	0.567275703	0.078025967	1.85133E-05	100.7344208	0.000115094	0.003793977	0.000807835
2091 Aug	581.850769	0.036937639	0.0103376	0.000668972	23.09972191	0.078577302	350.2552185	0.00498524	0.000575754	6.77607E-06	0.020376356	0.022228602	0.594686747	0.080607176	1.90601E-05	102.484108	0.000120042	0.003951606	0.000828843
2091 Sep	583.3821411	0.036381595	0.01003457	0.000657458	23.30356026	0.079573952	351.2814331	0.004998448	0.000566206	6.73947E-06	0.020343307	0.022299657	0.596313059	0.080416471	1.90689E-05	102.4814835	0.000119942	0.0039565	0.000822687
2091 Oct	569.7372437	0.036412943	0.009663277	0.000641956	23.30402565	0.079281159	342.3995361	0.004890242	0.000553852	6.57698E-06	0.019856384	0.02177133	0.580909491	0.078326285	1.86055E-05	99.90167999	0.000116738	0.003850952	0.000797439
2091 Nov	556.9019165	0.03670321	0.009427174	0.000634248	23.14740181	0.078532688	334.1460876	0.004784876	0.000548536	6.45699E-06	0.019451639	0.021269148	0.566929758	0.076562442	1.82028E-05	97.6015625	0.00011397	0.003757292	0.000777324
2091 Dec	557.0610962	0.036738597	0.009422792	0.000634254	23.19975471	0.078663774	334.1901245	0.004785006	0.000548565	6.45735E-06	0.019456651	0.021273814	0.567066431	0.076579817	1.82071E-05	97.60894775	0.000113988	0.003757769	0.000777204
2092 Jan	557.4008789	0.036729462	0.009421834	0.000634055	23.24889565	0.078782201	334.3616028	0.004785892	0.000548351	6.45794E-06	0.019465808	0.021285564	0.56744343	0.07662396	1.82165E-05	97.64655304	0.000114051	0.003759797	0.000777424
2092 Feb	557.6642456	0.036736257	0.009424121	0.000634143	23.26490784	0.078836665	334.5127869	0.004789182	0.000548414	6.45999E-06	0.01947163	0.021296198	0.567641437	0.076649264	1.82232E-05	97.69241333	0.000114086	0.003761151	0.00077767
2092 Mar	558.9459229	0.03680804	0.0094425	0.000635373	23.31036949	0.079023063	335.2854614	0.004803939	0.000549459	6.47408E-06	0.019509451	0.021347389	0.568757832	0.076796949	1.82613E-05	97.92696381	0.000114305	0.003768883	0.000779245
2092 Apr	562.3179932	0.037009005	0.009493891	0.000638847	23.43794823	0.079507329	337.3156433	0.004838704	0.000552433	6.51194E-06	0.019616511	0.021479689	0.571901858	0.077215679	1.83656E-05	98.53283691	0.00011493	0.003790226	0.000783606
2092 May	565.5950317	0.037662786	0.00976074	0.000647418	23.9811058	0.080326915	338.5656738	0.004849501	0.000561366	6.56773E-06	0.019752635	0.021575378	0.574780107	0.078057721	1.84832E-05	99.1810379	0.000115653	0.003810826	0.000793853
2092 Jun	487.9847107	0.034895096	0.009543953	0.000609242	22.01875305	0.070140712	289.114624	0.004147698	0.000538414	5.89441E-06	0.017329227	0.018492691	0.493380427	0.069215566	1.61121E-05	86.23587036	0.000100559	0.003286339	0.000713628
2092 Jul	504.0698547	0.03330062	0.009261617	0.000600286	21.59197235	0.070369646	300.7191162	0.004278776	0.000530413	5.98819E-06	0.017822126	0.019160122	0.513135433	0.070847332	1.66016E-05	88.81850433	0.000104249	0.003411788	0.000729013
2092 Aug	539.8557129	0.033639252	0.009401527	0.000608934	22.40052223	0.073546901	323.841095	0.004482133	0.000536658	6.2739E-06	0.01907311	0.020521676	0.556850135	0.07588055	1.7767E-05	94.60983276	0.000112596	0.003687368	0.000777607
2092 Sep	552.2286377	0.03342022	0.009264313	0.000602883	23.33367348	0.076549336	331.0860596	0.004581729	0.00053049	6.32209E-06	0.019367773	0.021002946	0.56907326	0.077087238	1.80924E-05	96.35583496	0.000114573	0.003759951	0.000784706
2092 Oct	555.3623047	0.033344932	0.00907169	0.000593818	23.85614395	0.078318737	332.6127014	0.004637551	0.000522003	6.29717E-06	0.01934492	0.021141697	0.569952667	0.076952539	1.81131E-05	96.68291473	0.00011444	0.003762637	0.000779804
2092 Nov	556.1858521	0.033372041	0.009032959	0.000592126	24.11256981	0.07896775	332.8823547	0.004638592	0.000520431	6.29109E-06	0.019357691	0.021168083	0.57066232	0.077007614	1.81285E-05	96.70655823	0.000114505	0.003764878	0.000778793
2092 Dec	556.8756104	0.033387035	0.00903612	0.000592346	24.1504879	0.079110824	333.2842712	0.004647783	0.000520583	6.2965E-06	0.019372605	0.021196404	0.571166396	0.07706704	1.81459E-05	96.8265152	0.000114594	0.003768337	0.000779345
2093 Jan	557.211853	0.033383802	0.009035284	0.000592264	24.16859818	0.079191066	333.4787903	0.004654017	0.000520478	6.29834E-06	0.019375863	0.02121127	0.571316242	0.07708066	1.81521E-05	96.88786316	0.000114613	0.003769513	0.00079475
2093 Feb	557.7025757	0.033386637	0.009036097	0.000592309	24.17796135	0.079278409	333.7776489	0.004664932	0.000520481	6.30216E-06	0.019379809	0.021234071	0.571473181	0.077094294	1.81609E-05	96.98929596	0.000114634	0.003771108	0.000779721
2093 Mar	559.7932739	0.033475727	0.009060422	0.000593899	24.25872803	0.079604261	335.0320129	0.004689972	0.000521831	6.32335E-06	0.019437108	0.021318275	0.573225498	0.077320151	1.82205E-05	97.36815643	0.000114971	0.003783245	0.000782094
2093 Apr	563.4973755	0.033668943	0.009112545	0.000597339	24.40217018	0.080144048	337.2586975	0.004728845	0.000524815	6.36353E-06	0.019551268	0.021464108	0.576629043	0.077770516	1.83332E-05	98.03216553	0.000115643	0.003806373	0.000786787
2093 May	568.687439	0.034409497	0.009376553	0.000607736	24.88320923	0.081231661	339.7696533	0.004796503	0.00053508	6.44308E-06	0.019698866	0.02165764	0.579647303	0.078576535	1.84841E-05	99.13062286	0.000116366	0.003831511	0.000797325
2093 Jun	519.878418	0.033988889	0.009552856	0.000602393	23.48850632	0.075006291	308.1966248	0.004493947	0.000537513	6.10742E-06	0.01807267	0.019770985	0.521003127	0.072581537	1.69437E-05	91.71203613	0.000105644	0.003471539	0.000748557
2093 Jul	550.8552246	0.034133457	0.009674765	0.000615069	23.9061203	0.077704728	328.2883911	0.004762373	0.000548366	6.38942E-06	0.019069877	0.020999052	0.554594398	0.076405168	1.79122E-05	97.04743195	0.000112128	0.00369167	0.000787613
2093 Aug	581.1353149	0.034272291	0.009753677	0.000622257	24.52695656	0.080613606	347.8319092	0.004983235	0.000553841	6.63513E-06	0.020053277	0.022178467	0.589140415	0.080326706	1.88626E-05	102.075119	0.000118649	0.003912759	0.000825952
2093 Sep	587.0719604	0.034291673	0.009568673	0.000615129	24.82966995	0.08171685	351.671875	0.005002711	0.000547298	6.64329E-06	0.020237416	0.022403182	0.59699291	0.080985725	1.90358E-05	102.7999191	0.000119946	0.003957044	0.000829028
2093 Oct	559.9152832	0.034350105	0.008922468	0.000589657	24.07514191	0.079391368	334.9544373	0.004782389	0.000526182	6.35061E-06	0.019339385	0.021363011	0.568344116	0.077022023	1.81595E-05	97.89732361	0.000114115	0.003763906	0.000784036
2093 Nov	552.1078491	0.03473765	0.008729292	0.000584652	23.95881081	0.079069361	329.9786682	0.004728342	0.000522515	6.27662E-06	0.019084852	0.021064419	0.559444726	0.075832367	1.79076E-05	96.49708557	0.000112316	0.003704431	0.000770059
2093 Dec	552.6887817	0.034758672	0.00873245	0.000584897	24.00459862	0.079206347	330.3049927	0.004733485	0.000522714	6.28117E-06	0.019101271	0.021086609	0.559981227	0.075899221	1.79242E-05	96.58782196	0.000112414	0.003707794	0.000770596
2094 Jan	553.0430298	0.034758359	0.008732536	0.000584854	24.03278351	0.07929752	330.5027771	0.004737843	0.000522649	6.28309E-06	0.019107917	0.021100914	0.560238779	0.075928435	1.79325E-05	96.64465332	0.000112456	0.003709465	0.000770818
2094 Feb	553.4073486	0.034759648	0.008733086	0.000584858	24.04104805	0.079365343	330.7228699	0.004746037	0.000522628	6.28579E-06	0.01911043	0.021117872	0.560346603	0.075937718	1.79388E-05	96.71990204	0.000112469	0.003710595	0.000770992
2094 Mar	554.6584473	0.03480681	0.008744799	0.000585655	24.07474136	0.079555817	331.4828491	0.004765628	0.000523304	6.29827E-06	0.019137487	0.021171005	0.561175764	0.076041065	1.79706E-05	96.9617157	0.000112623	0.003716862	0.000772211
2094 Apr	557.3204346	0.034942493	0.0087787	0.000587948	24.16943359	0.079947896	333.0865479	0.004797257	0.000525317	6.32679E-06	0.019213438	0.021277951	0.563438118	0.076338366	1.80482E-05	97.44989014	0.000113066	0.003732613	0.000775396
2094 May	553.4249878	0.035358898	0.009012198	0.000591872	24.4660778	0.080030195	329.7513428	0.004794862	0.000530411	6.31514E-06	0.019035392	0.021117665	0.556118369	0.075990491	1.78981E-05	97.04442596	0.000111783	0.00369161	0.000775316
2094 Jun	540.3413696	0.035832379	0.009430443	0.00060012	24.5839901	0.078984849	320.1098022	0.004764013	0.00054182	6.26688E-06	0.018529875	0.020605261	0.535746992	0.074543767	1.74483E-05	95.44613647	0.000108237	0.003575152	0.000768846

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Jul	588.3652954	0.036463294	0.009672416	0.000617636	25.44864082	0.083380222	350.9943542	0.005160529	0.000556433	6.68817E-06	0.020076124	0.022492506	0.588136137	0.080632657	1.89416E-05	103.6777878	0.000118325	0.003917228	0.00083104
2094 Aug	635.4919434	0.037837543	0.010070278	0.000643897	27.16799927	0.089686044	379.943634	0.005572009	0.00057909	7.12559E-06	0.02155604	0.024326282	0.636269152	0.08657968	2.03881E-05	111.7229004	0.000127574	0.004232102	0.000890065
2094 Sep	639.3756104	0.0378788	0.009846693	0.000635829	27.48975182	0.090747334	382.4278259	0.005567876	0.000571804	7.11408E-06	0.021685187	0.024466597	0.642184138	0.086986549	2.05023E-05	112.0396118	0.000128488	0.004262388	0.000889793
2094 Oct	625.4534302	0.037433796	0.009351845	0.000613484	27.1548233	0.089676999	374.0470581	0.005424584	0.000552058	6.91973E-06	0.021215783	0.023927769	0.629162788	0.08489985	2.00438E-05	109.2754593	0.000125657	0.004168287	0.000863676
2094 Nov	606.8320313	0.03755524	0.00898149	0.000600175	26.9610424	0.088619791	362.1665649	0.005247191	0.000541155	6.72917E-06	0.020643096	0.023190821	0.610238373	0.082394049	1.94686E-05	105.7913513	0.000121843	0.004037593	0.000833651
2094 Dec	606.062561	0.037564375	0.008959033	0.000599386	26.97349167	0.088659078	361.6437988	0.005244153	0.000540484	6.72003E-06	0.020610664	0.023162356	0.609184265	0.08225064	1.94398E-05	105.6479263	0.00012162	0.004030572	0.000831907
2095 Jan	606.5422363	0.037560426	0.008958514	0.000599286	27.01423073	0.088787168	361.909668	0.005249769	0.00054036	6.7224E-06	0.020619709	0.023181574	0.609543383	0.082290813	1.94511E-05	105.7227554	0.000121678	0.004032853	0.000832193
2095 Feb	606.9815674	0.037562825	0.008959332	0.000599305	27.02137566	0.088865161	362.1772766	0.005260101	0.000540352	6.7258E-06	0.020622317	0.023202289	0.609654963	0.082299687	1.94584E-05	105.8157272	0.00012169	0.004034151	0.000832399
2095 Mar	607.9503174	0.037590336	0.008966004	0.000599744	27.04831505	0.089022927	362.7639465	0.005276486	0.000540716	6.73472E-06	0.020640207	0.023244176	0.6102283	0.082368061	1.94813E-05	106.0041275	0.000121792	0.00403862	0.000833226
2095 Apr	611.6290283	0.03776994	0.009008798	0.000602625	27.17904854	0.089561865	364.9851379	0.005319643	0.000543267	6.77302E-06	0.020744534	0.023391914	0.613383055	0.082778372	1.9588E-05	106.6752243	0.000122406	0.004060482	0.000837599
2095 May	606.1334229	0.038362842	0.009287629	0.000610115	27.06714821	0.088908136	360.9206238	0.005356024	0.000551746	6.77468E-06	0.020481756	0.023198856	0.602321625	0.082017682	1.93733E-05	106.2947922	0.000120479	0.004002362	0.000836195
2095 Jun	602.0963745	0.03944625	0.009780841	0.000628317	27.09257698	0.08862441	357.2615967	0.00545801	0.000571152	6.8382E-06	0.020236533	0.02307331	0.589423239	0.081398532	1.91912E-05	106.484375	0.000118394	0.00394076	0.000839428
2095 Jul	648.3963013	0.040400166	0.010078086	0.0006495 8	27.99444389	0.092718743	386.9822998	0.005798174	0.000589767	7.26331E-06	0.021815307	0.024865624	0.642041266	0.087669782	2.06813E-05	114.3667603	0.000128617	0.004281679	0.000903225
2095 Aug	652.6765747	0.039194953	0.009796132	0.000638872	27.68629456	0.092361957	390.7047729	0.005773318	0.00058014	7.2551E-06	0.021982504	0.025031244	0.651311755	0.088277429	2.08462E-05	114.7823715	0.000130111	0.004332886	0.000906328
2095 Sep	661.3162231	0.038845081	0.009634171	0.000634317	27.98107147	0.094012588	396.1833191	0.005879364	0.000575861	7.29725E-06	0.02214825	0.025395274	0.658826232	0.088859834	2.10594E-05	116.1557541	0.00013123	0.004380687	0.000909696
2095 Oct	668.5691528	0.038569093	0.009483339	0.000626453	28.24347687	0.095475748	400.7312317	0.005991139	0.000568101	7.31277E-06	0.022234555	0.025714336	0.663706958	0.089147076	2.11984E-05	117.3443756	0.000131901	0.004413222	0.000911135
2095 Nov	662.6286621	0.038577706	0.009269152	0.00061847	28.13812828	0.095425464	396.9736023	0.005977545	0.000561112	7.23772E-06	0.021972451	0.025506079	0.655514657	0.087944448	2.09683E-05	116.2865906	0.000130157	0.004359797	0.00089726
2095 Dec	662.0949707	0.038623519	0.009248971	0.000618032	28.16454887	0.095515594	396.5854797	0.005977117	0.00056077	7.23173E-06	0.021948446	0.025486752	0.654664516	0.087828927	2.09471E-05	116.1846161	0.000129975	0.004354147	0.000895764
2096 Jan	662.6561279	0.038616013	0.009247352	0.000617871	28.20474243	0.095661461	396.901825	0.005985732	0.000560585	7.23451E-06	0.021956023	0.025510464	0.654990137	0.087862037	2.09586E-05	116.2790909	0.000130023	0.004356397	0.000896013
2096 Feb	663.1952515	0.038632944	0.009251784	0.000618112	28.22409248	0.095753476	397.2236023	0.005994199	0.000560789	7.23938E-06	0.021966638	0.025533324	0.655332565	0.08790496	2.09717E-05	116.3818359	0.000130085	0.004358977	0.000896508
2096 Mar	664.1618042	0.038667496	0.009260084	0.000618656	28.24951363	0.095900983	397.8111572	0.006009699	0.000561262	7.2488E-06	0.021986609	0.025574604	0.655953348	0.087981939	2.09957E-05	116.5697021	0.000130199	0.004363721	0.000897431
2096 Apr	667.7040405	0.038847245	0.009303061	0.000621534	28.38153839	0.096421443	399.9437256	0.006049582	0.000563849	7.28613E-06	0.022089943	0.025715742	0.659066856	0.088391431	2.11001E-05	117.2121964	0.000130807	0.004385138	0.000901763
2096 May	671.9350586	0.039229486	0.009484298	0.000626648	29.128088	0.097962588	401.6361084	0.006078683	0.000569089	7.32845E-06	0.022207208	0.025855849	0.662140131	0.08911299	2.12196E-05	117.9004898	0.000131435	0.004405038	0.000908905
2096 Jun	586.2730713	0.035688907	0.009122054	0.000601643	26.95162773	0.087879673	347.2881165	0.005313947	0.000552952	6.6335E-06	0.019641148	0.0224679	0.573374867	0.07882525	1.86755E-05	103.1926041	0.000115007	0.003825249	0.000806881
2096 Jul	612.7267456	0.035359446	0.009137668	0.000610669	27.09102821	0.090008721	364.6700745	0.005583466	0.000561269	6.87542E-06	0.020447446	0.023544226	0.600524247	0.081736647	1.94777E-05	107.8254318	0.000120265	0.004006308	0.000837084
2096 Aug	651.8173828	0.036454633	0.009422845	0.000631595	28.32096863	0.094967872	388.8983459	0.005946872	0.000579959	7.2423E-06	0.021651743	0.025081079	0.639735639	0.086522907	2.06666E-05	114.5987854	0.000127782	0.004265347	0.000885364
2096 Sep	646.5075684	0.036201745	0.009081824	0.000617207	28.03073502	0.094078936	386.2198486	0.00583254	0.000567051	7.14415E-06	0.021546543	0.024856938	0.638583064	0.085959293	2.05301E-05	113.3164139	0.000127341	0.004247365	0.000875589
2096 Oct	621.8451538	0.03641751	0.008525716	0.000596003	27.30190659	0.091789566	371.1474609	0.005612453	0.000548711	6.88264E-06	0.020773493	0.023902787	0.613793552	0.082504392	1.97569E-05	108.8241348	0.000122313	0.00407841	0.000835894
2096 Nov	619.0411987	0.036762267	0.008464932	0.00059596	27.29782677	0.09180437	369.2885437	0.005596213	0.000549024	6.86337E-06	0.020689484	0.023794862	0.610372484	0.082074426	1.96698E-05	108.3317566	0.000121638	0.004055831	0.000830677
2096 Dec	619.6518555	0.036759619	0.008463295	0.000595871	27.33155632	0.091948636	369.6422729	0.005606727	0.000548906	6.86704E-06	0.020697257	0.023821387	0.610689402	0.082105003	1.96821E-05	108.440773	0.000121684	0.004058185	0.000830947
2097 Jan	620.0032349	0.036754403	0.008461996	0.000595758	27.34734535	0.092030361	369.8477478	0.005614052	0.00054878	6.86897E-06	0.020699451	0.023837404	0.610808551	0.082113832	1.9688E-05	108.5077286	0.000121697	0.004059251	0.000831051
2097 Feb	620.3787842	0.036750596	0.008461261	0.000595684	27.34780693	0.092096336	370.0807495	0.005624698	0.000548691	6.87166E-06	0.020698624	0.023856236	0.610818207	0.082107849	1.96927E-05	108.5924072	0.000121688	0.00405996	0.000831129
2097 Mar	621.3588867	0.036777142	0.008467337	0.000596115	27.36855698	0.092249982	370.6794128	0.005642639	0.000549062	6.88087E-06	0.020715037	0.023899442	0.611339152	0.082168385	1.97149E-05	108.7882462	0.00012178	0.004064239	0.000831921
2097 Apr	625.694397	0.036997788	0.008518034	0.0005997	27.53417397	0.09290269	373.282074	0.005692136	0.000552334	6.92702E-06	0.020841373	0.024072388	0.615109444	0.082664058	1.98426E-05	109.5742722	0.000122517	0.004090213	0.000837137
2097 May	632.5913086	0.037893567	0.008798805	0.000613018	27.93593788	0.094077826	376.9551392	0.005798016	0.000565298	7.03499E-06	0.021030519	0.024345849	0.618981183	0.083561853	2.00406E-05	111.0690231	0.000123427	0.004123623	0.000849308
2097 Jun	602.6286621	0.038118713	0.009184488	0.000621599	27.03652	0.090095013	357.2925415	0.005652235	0.000576801	6.87826E-06	0.020026194	0.023195202	0.580650985	0.079941712	1.90972E-05	106.839386	0.000116595	0.003895374	0.000823518
2097 Jul	644.5797119	0.039026715	0.009456838	0.000644037	28.04892159	0.094935358	383.6288757	0.006073174	0.00059723	7.28068E-06	0.021295762	0.024868149	0.621814609	0.084881641	2.03624E-05	114.2393417	0.000124538	0.004170845	0.000874729
2097 Aug	673.5432739	0.039202426	0.009520088	0.000651492	28.55536842	0.097634569	402.3659973	0.006304973	0.000603706	7.52397E-06	0.022217376	0.026007209	0.65394026	0.088531099	2.12625E-05	119.1427994	0.000130607	0.004378771	0.000911141
2097 Sep	689.6741943	0.039469492	0.009526935	0.000654564	29.05280113	0.100028649	412.3814697	0.006495216	0.00060623	7.65233E-06	0.022621397	0.026667716	0.6680246	0.090087555	2.17003E-05	121.9611893	0.000133146	0.004473661	0.00092636
2097 Oct	684.1368408	0.039441705	0.009300407	0.000645344	28.84598541	0.099834681	409.0301514	0.006492978	0.00059786	7.57595E-06	0.022355448	0.026483165	0.660071015	0.088866755	2.14734E-05	121.0106201	0.000131421	0.00442268	0.000912735
2097 Nov	678.2667236	0.039445106	0.009188212	0.000640892	28.71179771	0.099373199	405.3660889	0.006444352	0.000593956	7.51522E-06	0.022163821	0.026256435	0.653858304	0.088031985	2.12862E-05	119.9506683	0.000130168	0.004380825	0.000903265
2097 Dec	677.0467529	0.039430179	0.009166954	0.000639932	28.69712067	0.09929356	404.5901489	0.006432767	0.000593101	7.50208E-06	0.022124732	0.0262083	0.652613938	0.08786758	2.12479E-05	119.7232742	0.000129916	0.004372265	0.00090134
2098 Jan	677.3377075	0.039428428	0.009166406	0.000639843	28.7285099	0.09938141	404.7448425	0.006435381	0.000593005	7.50326E-06	0.022130899	0.026219424	0.652859151	0.087896243	2.1255E-05	119.7646713	0.000129956	0.004373727	0.000901519
2098 Feb	677.6611328	0.039432425	0.009167684	0.000639873	28.73518944	0.099439181	404.9400635	0.0064427	0.000593021	7.50584E-06	0.022133283	0.026234461	0.652952552	0.087905586	2.12607E-05	119.832695	0.000129968	0.00437474	0.000901699
2098 Mar	678.4307861	0.039450187	0.00917188	0.000640149	28.74851799	0.099560358	405.4115295	0.006458033	0.000593258	7.5129E-06	0.022143971	0.026269123	0.653299391	0.087944336	2.1277E-05	119.9903259	0.000130026	0.004377808	0.000902264
2098 Apr	680.7539063	0.039636243	0.009220622	0.00064249	28.84971046	0.099908039	406.7636414	0.006486709	0.000595456	7.53947E-06	0.022208244	0.026361469	0.655119598	0.088226944	2.13434E-05	120.4391632	0.00013039	0.00439104	0.000905586
2098 May	665.3862305	0.04063734	0.009676308	0.000652781	28.6430912	0.097745046	396.2082214	0.006373557	0.000607183	7.47958E-06	0.021753546	0.025733359	0.636395752	0.086977512	2.08902E-05	118.3854752	0.000127209	0.00428116	0.000900975
2098 Jun	583.9151611	0.038793616	0.009695958	0.00062798	25.81561852	0.085976027	345.2091675	0.005684387	0.000588867	6.8176E-06	0.019224575	0.02253543	0.550387979	0.0775057	1.84185E-05	105.1547928	0.000111255	0.003733974	0.000817359
2098 Jul	629.739624	0.039704572	0.009978	0.000649614	26.64649963	0.090211615	374.508606	0.006083874	0.000608694	7.24817E-06	0.020708242	0.024339845	0.599178612	0.083311774	1.98485E-05	113.1454697	0.000120761	0.004056048	0.000877809
2098 Aug	641.296875	0.039187625	0.009822875	0.000646885	26.85173798	0.091227129	382.3413696	0.006106766	0.000606215	7.31965E-06	0.021142839	0.024769578	0.616136611	0.085004926	2.02541E-05	114.7592773	0.000123791	0.004156461	0.000891049
2098 Sep	618.9204102	0.038154949	0.009155897	0.000617879	26.06602669	0.08842276	369.3414001	0.005791809	0.000579717	7.0343E-06	0.020547664	0.023862893	0.600463808	0.082353905	1.96203E-05	110.2103653	0.000120381	0.004034451	0.000856283
2098 Oct	599.6936035	0.037818559	0.008562479	0.000592609	25.55965614	0.086690836	357.8252869	0.005570638	0.000556566	6.7857E-06	0.019969074	0.023104107	0.583872855	0.079716817	1.90255E-05	106.3863449	0.000116853	0.003912647	0.000822847
2098 Nov	593.7035522	0.037765004	0.00836739	0.000584795	25.35820389	0.08625076	354.2247925	0.005530993	0.000549421	6.71044E-06	0.019747892	0.02288333	0.577224076	0.078697376	1.88179E-05	105.2812881	0.000115444	0.003867631	0.000810929
2098 Dec	594.3069458	0.037781756	0.008368757	0.000584956	25.40339851	0.086395539	354.5649109	0.005537515	0.000549558	6.71492E-06	0.019762775	0.022907089	0.577722311	0.07875751	1.8834E-05	105.3783951	0.000115532	0.003870834	0.000811411
2099 Jan	594.8339844	0.037778687	0.008367961	0.000584878	25.42832375	0.086512752	354.8733215	0.005547247	0.000549463	6.71821E-06	0.01976862	0.022930374	0.577967286	0.078780986	1.88442E-05	105.4761658	0.000115567	0.003872771	0.000811655
2099 Feb	595.3421631	0.037778553	0.008368358	0.000584859	25.44551277	0.086613126	355.1764832	0.005557383	0.000549428	6.7218E-06	0.019773802	0.022953277	0.578176379	0.078801304	1.88539E-05	105.575592	0.000115596	0.003874584	0.000811922
2099 Mar	596.9248047	0.037850659	0.008384407	0.000585971	25.49604988	0.086852759	356.1313782	0.005579446	0.000550455	6.73816E-06	0.019812984	0.023018761	0.579354405	0.078953989	1.88967E-05	105.8748703	0.000115822	0.003883139	0.000813639
2099 Apr	602.1911011	0.0382738	0.008489788	0.00059141	25.73647308	0.08764036	359.2012634	0.00563796	0.000555607	6.79883E-06	0.019970302	0.023224685	0.583830416	0.079632267	1.90537E-05	106.8670425	0.000116721	0.003914707	0.000821302
2099 May	563.5350342	0.040075291	0.009376598	0.000599852	25.23996925	0.082427144	333.0493164	0.005323272	0.00056689	6.56022E-06	0.018751981	0.021650139	0.538467348	0.076236024	1.78674E-05	101.3540039	0.000108656	0.003641339	0.000803525
2099 Jun	542.1691284	0.039060168	0.009366877	0.000591524	24.40901756	0.079204112	319.7540283	0.00516149	0.000560473	6.38105E-06	0.018053139	0.02082487	0.515088975	0.07358335	1.72009E-05	97.91459656	0.000104332	0.003494089	0.000780464
2099 Jul	585.1201172	0.039289076	0.009482356	0.000602525	25.03154564	0.082568683	347.7606506	0.005469502	0.000570332	6.74388E-06	0.019496175	0.022497237	0.564880192	0.079271264	1.85695E-05	105.134407	0.000113917	0.003814687	0.000837767
2099 Aug	616.7236938	0.040206719	0.009683023	0.00062042	26.06861305	0.086495571	367.409729	0.005719468	0.000587171	7.04682E-06	0.020541696	0.023716507	0.598980486	0.083439969	1.95753E-05	110.4844742	0.000120447	0.004035584	0.000878553
2099 Sep	608.1817017	0.039298117	0.00925051	0.000603306	25.66333961	0.085525058	362.7558594	0.00560271	0.000571239	6.913E-06	0.020279057	0.023384206	0.593362689	0.082165889	1.93185E-05	108.6183243	0.000119021	0.003988625	0.000860553
2099 Oct	599.0980225	0.038945496	0.008837158	0.000586452	25.286623	0.084785722	357.5463257	0.005529156	0.000555461	6.77651E-06	0.019945381	0.023051195	0.584329486	0.080542058	1.90015E-05	106.8091507	0.000117007	0.003924044	0.000840232
2099 Nov	596.3853149	0.03860807	0.008589317	0.000575561	25.01937675	0.084813587	356.1295471	0.0055805	0.000545077	6.7143E-06	0.019709786	0.022998728	0.578091085	0.079408377	1.88304E-05	106.4000931	0.000115554	0.003886445	0.000827982
2099 Dec	598.4898071	0.038572177	0.008579634	0.000575002	25.02231598	0.085109055	357.477417	0.00562579	0.00054446	6.72834E-06	0.019727688	0.023097375	0.578943074	0.079462543	1.88685E-05	106.8290939	0.000115672	0.003894257	0.000828978
2100 Jan	599.1668091	0.038554449	0.00857575	0.000574717	25.05739784	0.085273691	357.8710327	0.005639009	0.000544159	6.73167E-06	0.019732723	0.023127787	0.579213619	0.07948263	1.88802E-05	106.9526901	0.000115704	0.003896447	0.000829158
2100 Feb	599.7158203	0.038546685	0.008574358	0.00057459	25.0680294	0.085380994	358.2044373	0.005652466	0.000544018	6.73529E-06	0.019734202	0.023154072	0.579321563	0.079485931	1.88884E-05	107.067337	0.00011571	0.003897856	0.000829311
2100 Mar	600.3450928	0.038557433	0.008576815	0.000574746	25.07651711	0.085481085	358.5914917	0.005665982	0.000544151	6.74086E-06	0.019741129	0.023183012	0.579557061	0.079509966	1.89008E-05	107.198761	0.000115746	0.003900131	0.000829714
2100 Apr	604.8851318	0.038816359	0.008634409	0.000578607	25.24632645	0.086137787	361.3164063	0.005716989	0.00054779	6.79021E-06	0.019875633	0.023363354	0.583541393	0.080047138	1.90357E-05	108.0298691	0.000116531	0.003927685	0.000835481
2100 May	598.1879883	0.039612863	0.00904992	0.000589739	25.72695351	0.085891739	355.8317261	0.005634703	0.00055968	6.78367E-06	0.019724684	0.023049042	0.575517654	0.079955332	1.88635E-05	107.0920563	0.000115323	0.003879552	0.000838368
2100 Jun	530.8851318	0.037707161	0.009075063	0.000574529	23.65074158	0.076657318	313.4678345	0.005024536	0.000548472	6.24992E-06	0.017724909	0.020381434	0.506448328	0.072307989	1.68729E-05	95.88696289	0.000102638	0.003434329	0.000768018
2100 Jul	547.9781494	0.036532879	0.008874775	0.000568707	23.56160545	0.077238277	325.4292297	0.005095844	0.000542767	6.35367E-06	0.018347982	0.021044165	0.530213714	0.074571408	1.7445E-05	98.4367981	0.000107141	0.003579726	0.000788119
2100 Aug	552.1491699	0.035423659	0.008576923	0.000559196	23.27207947	0.076898821	329.1254272	0.005050454	0.000533817	6.34717E-06	0.018549841	0.021195309	0.540512562	0.07525973	1.76279E-05	98.7509079	0.000108825	0.003635325	0.00079094
2100 Sep	559.8722534	0.034972515	0.008368103	0.000552866	23.41451836	0.078197427	334.2597351	0.005141794	0.0005277	6.37636E-06	0.018699171	0.021525377	0.547802627	0.075723529	1.78192E-05	99.9393692	0.000109889	0.003680718	0.000792863
2100 Oct	567.7677612	0.034897327	0.008248525	0.000547958	23.61150742	0.079543568	339.2885132	0.005258457	0.000522775	6.41163E-06	0.018831518	0.02186868	0.553602576	0.076155096	1.79926E-05	101.2857285	0.000110795	0.003720064	0.000796219
2100 Nov	569.9088745	0.034971263	0.008242333	0.000548271	23.68288612	0.07992845	340.5966492	0.005290906	0.000523045	6.42853E-06	0.018875044	0.021959944	0.555076122	0.076306619	1.80444E-05	101.6735992	0.000111049	0.003730572	0.000797689
2100 Dec	571.0835571	0.034988396	0.008245242	0.000548499	23.74073029	0.080166586	341.2863159	0.00530828	0.000523234	6.43759E-06	0.018897576	0.022009244	0.555854499	0.076396018	1.80724E-05	101.8838577	0.000111182	0.003736113	0.000798565
2101 Jan	571.9044189	0.034970939	0.008241443	0.000548207	23.80252075	0.080381103	341.7494202	0.00531963	0.000522924	6.44139E-06	0.018910252	0.02204331	0.556394875	0.076450579	1.80901E-05	102.0164108	0.000111265	0.003739673	0.000798942
2101 Feb	572.5408325	0.034957141	0.008238649	0.000547982	23.83165741	0.080527104	342.1230164	0.005332244	0.000522687	6.44482E-06	0.018915189	0.022072015	0.556646526	0.076470129	1.81013E-05	102.1351242	0.000111295	0.003741768	0.000799147
2101 Mar	573.0340576	0.034964699	0.00824049	0.000548094	23.84016418	0.080607742	342.4249573	0.005342501	0.000522784	6.4491E-06	0.018920982	0.022094501	0.556845427	0.076490857	1.81112E-05	102.2366028	0.000111326	0.003743605	0.000799468
2101 Apr	575.7969971	0.035102006	0.008273049	0.000550226	23.93629456	0.081007682	344.0882568	0.005376301	0.000524802	6.47842E-06	0.018997358	0.022205982	0.559134722	0.076796196	1.81904E-05	102.7495651	0.000111772	0.003759721	0.000802821
2101 May	567.2424316	0.036127903	0.008708147	0.000563839	23.94015503	0.079893351	337.825531	0.005328658	0.000539025	6.47951E-06	0.018757351	0.021850478	0.547371566	0.076246955	1.79462E-05	101.7856064	0.000109907	0.003694136	0.000803811

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jun	530.4061279	0.035515238	0.008859882	0.00056096	22.8884182	0.074921861	314.3321838	0.005014173	0.000538215	6.21133E-06	0.017659085	0.020389939	0.508098543	0.072122343	1.68532E-05	95.81739044	0.000102802	0.003444974	0.000767776
2101 Jul	574.352417	0.036405727	0.009116855	0.000579841	23.803825 38	0.079659767	342.0846558	0.005471567	0.000555894	6.61794E-06	0.018947354	0.022154938	0.550494909	0.077173501	1.81503E-05	103.6562958	0.000110962	0.003731207	0.000821446
2101 Aug	612.0860596	0.037340533	0.009352722	0.000596806	24.81138802	0.083848089	365.7861633	0.005798229	0.000571824	6.96437E-06	0.020141689	0.023631815	0.589991093	0.081962824	1.9314E-05	110.1785736	0.000118556	0.003990754	0.000870319
2101 Sep	609.6002808	0.037026696	0.009035599	0.000587406	24.81929016	0.084329821	364.4077148	0.00577858	0.000563011	6.90467E-06	0.020019079	0.02354781	0.587664306	0.081243396	1.92148E-05	109.4817505	0.000117779	0.003969598	0.000858395
2101 Oct	611.5527344	0.036945928	0.008832058	0.000579534	25.02511978	0.085308671	365.60495	0.005811164	0.000555392	6.88059E-06	0.020010632	0.023639906	0.588756382	0.08107207	1.92283E-05	109.6325073	0.000117762	0.003973496	0.000853636
2101 Nov	598.7242432	0.036995362	0.008574892	0.000570784	24.84434319	0.084505014	357.5269165	0.005683014	0.000547315	6.74749E-06	0.019629207	0.023131814	0.576225871	0.079346366	1.88386E-05	107.1940765	0.000115236	0.003885788	0.000832542
2101 Dec	597.2750854	0.03711763	0.008554153	0.000570946	24.8401165	0.084464014	356.5756531	0.005669885	0.000547548	6.73771E-06	0.01959233	0.023073612	0.57471168	0.079161413	1.87978E-05	106.9297256	0.000114946	0.003875471	0.000830251
2102 Jan	597.5894775	0.037110861	0.008552244	0.00057079	24.86883736	0.084557325	356.7472534	0.00567415	0.000547388	6.73887E-06	0.019596729	0.023086542	0.574911296	0.079181544	1.88043E-05	106.9785767	0.000114975	0.003876749	0.000830364
2102 Feb	597.9367676	0.037115358	0.008553597	0.000570828	24.87425613	0.084616803	356.9584961	0.005682208	0.000547418	6.74173E-06	0.019599179	0.023102816	0.575004816	0.079190522	1.88103E-05	107.0526352	0.000114986	0.003877818	0.000830556
2102 Mar	598.6243286	0.037132457	0.008557676	0.000571077	24.88816643	0.084725559	357.3778992	0.005695391	0.000547647	6.74807E-06	0.019609485	0.023133453	0.57533747	0.079229191	1.88253E-05	107.1921158	0.000115043	0.003880665	0.000831093
2102 Apr	600.8699951	0.037240922	0.008582708	0.000572741	24.96219254	0.085054487	358.7312012	0.005724845	0.00054923	6.77177E-06	0.0196684	0.023225207	0.577100039	0.079462826	1.88879E-05	107.6144333	0.000115385	0.003893293	0.000833706
2102 May	610.9204102	0.037771687	0.008705333	0.000580916	25.32283974	0.086475089	364.783844	0.005838618	0.000557037	6.88012E-06	0.019963454	0.023625441	0.585904956	0.080643542	1.91853E-05	109.4581146	0.000117116	0.0039543	0.000846463
2102 Jun	553.2906494	0.033869289	0.008135614	0.000577957	23.46445084	0.079986855	328.9942627	0.005327579	0.000556694	6.47437E-06	0.018410197	0.021368857	0.528788507	0.073153786	1.75815E-05	99.08654022	0.00010681	0.003572592	0.000763928
2102 Jul	546.46698	0.032367449	0.007964221	0.000586386	22.76626396	0.078856714	325.2229004	0.005331704	0.000565875	6.48291E-06	0.01824123	0.021145124	0.520328104	0.071765237	1.74143E-05	97.97013092	0.000105481	0.003521025	0.000748967
2102 Aug	573.7156982	0.032420542	0.007961511	0.000590547	23.01655197	0.080880783	343.2262573	0.005538962	0.000569671	6.70483E-06	0.019122403	0.022218863	0.55169487	0.075232424	1.82695E-05	102.582222	0.000111378	0.003723476	0.00078375
2102 Sep	581.5487671	0.032588173	0.007879278	0.000589908	23.04587364	0.081689499	348.464386	0.005624208	0.00056908	6.7627E-06	0.019332677	0.022544084	0.559543371	0.075973071	1.84913E-05	103.9373169	0.000112736	0.00377513	0.000790582
2102 Oct	559.7352295	0.032752741	0.007504014	0.000573382	22.4518261	0.079838313	334.930542	0.005461132	0.00055354	6.53436E-06	0.018589832	0.02171254	0.5356251	0.072779596	1.7778E-05	100.0932693	0.000107897	0.003616434	0.000755482
2102 Nov	561.2625732	0.032877851	0.007504843	0.000574223	22.61676598	0.080306724	335.7349243	0.005473102	0.000554356	6.5469E-06	0.018636569	0.021768944	0.537036061	0.072960213	1.7823E-05	100.3147888	0.000108151	0.003624885	0.000756645
2102 Dec	561.9544067	0.032882944	0.007505082	0.000574248	22.68345642	0.080488339	336.1146851	0.00547768	0.000554366	6.55096E-06	0.018656095	0.021794563	0.537730813	0.073044069	1.78427E-05	100.4126282	0.000108275	0.003629018	0.000757238
2103 Jan	562.3208008	0.032885432	0.00750528	0.000574253	22.68874168	0.080554105	336.338623	0.005486482	0.000554364	6.55384E-06	0.018658131	0.021811958	0.537816525	0.073049851	1.78488E-05	100.4904709	0.000108283	0.003630064	0.000757392
2103 Feb	562.8980103	0.032893859	0.00750734	0.000574379	22.69521523	0.08064609	336.6941833	0.005499397	0.000554476	6.55894E-06	0.018663684	0.021838803	0.538007379	0.073068358	1.78596E-05	100.6126328	0.000108312	0.003632035	0.000757738
2103 Mar	563.7337036	0.032916535	0.007512566	0.000574766	22.71199036	0.080775008	337.2049255	0.005514772	0.00055484	6.56704E-06	0.018677929	0.021875657	0.538449764	0.073120475	1.78788E-05	100.7805176	0.00010839	0.003635692	0.000758426
2103 Apr	566.5799561	0.03305316	0.007543749	0.000577149	22.80781174	0.081192985	338.9198914	0.00555057	0.000557129	6.59837E-06	0.018757371	0.021991011	0.540776134	0.073427163	1.79609E-05	101.3095779	0.000108847	0.003652136	0.000761768
2103 May	565.5469971	0.03386097	0.007906375	0.000586346	23.60982132	0.081889346	336.9718628	0.005481197	0.000566649	6.61698E-06	0.018805655	0.021882722	0.540370345	0.074130744	1.79709E-05	101.1173935	0.000109002	0.003648171	0.000770306
2103 Jun	510.0910034	0.032693006	0.008108866	0.000569189	22.52325249	0.074682772	301.3876953	0.004888173	0.000552116	6.13551E-06	0.017199205	0.019622698	0.486259729	0.068544015	1.63432E-05	91.65972137	9.90522E-05	0.003292653	0.000719282
2103 Jul	534.144104	0.031729028	0.007951149	0.000566723	22.30930138	0.075637013	318.0169983	0.005065488	0.000549616	6.31188E-06	0.017983377	0.020588106	0.515497684	0.071451493	1.71032E-05	95.64196014	0.000104563	0.003479479	0.000748088
2103 Aug	548.1786499	0.030217964	0.007623099	0.000557425	21.85803986	0.075428858	328.6694641	0.005075395	0.000540678	6.38356E-06	0.018526588	0.021129677	0.538832664	0.073553428	1.76185E-05	97.61402893	0.000108685	0.003617511	0.000765683
2103 Sep	546.9988403	0.030345324	0.007345129	0.000546344	21.83179855	0.075441435	328.3191833	0.005015518	0.000530019	6.32342E-06	0.01852265	0.021071715	0.540598452	0.073390603	1.75891E-05	97.0710907	0.000108796	0.003620024	0.000759879
2103 Oct	525.4086914	0.031172676	0.006971225	0.000534581	21.42645645	0.074217051	314.6194153	0.004868325	0.000519103	6.11623E-06	0.017801005	0.02024783	0.515874982	0.070150368	1.68858E-05	93.2714386	0.000103832	0.003456594	0.000723284
2103 Nov	520.0564575	0.031453032	0.006879348	0.000532182	21.376894	0.073937975	311.1952209	0.004815224	0.000516923	6.06592E-06	0.017650153	0.02003374	0.510550439	0.069459409	1.67261E-05	92.27436066	0.000102772	0.003419701	0.000714847
2103 Dec	520.5772705	0.031454798	0.006878213	0.000532123	21.43709755	0.074093089	311.4718323	0.004817712	0.000516856	6.0684E-06	0.017665328	0.020052411	0.511104107	0.069525681	1.67411E-05	92.34142303	0.000102869	0.003422858	0.000715255
2104 Jan	520.9182129	0.031455342	0.006877922	0.000532087	21.43943596	0.074154779	311.6815796	0.004826909	0.000516814	6.07098E-06	0.017665526	0.020069191	0.511134505	0.069523826	1.67458E-05	92.41687775	0.000102866	0.0034236	0.000715347
2104 Feb	521.4165649	0.031455606	0.006878202	0.000532066	21.44031906	0.074236847	311.9913025	0.004840136	0.000516784	6.07493E-06	0.017666455	0.020093629	0.511195838	0.069523841	1.67531E-05	92.52783966	0.000102867	0.0034248	0.000715525
2104 Mar	522.3286133	0.031478137	0.006883222	0.000532436	21.45705795	0.074378267	312.5499573	0.004857541	0.000517133	6.08359E-06	0.017680772	0.020134248	0.51164788	0.069575757	1.67733E-05	92.712677	0.000102946	0.00342864	0.000716239
2104 Apr	526.5255737	0.03168511	0.006928497	0.000535935	21.60077286	0.074990973	315.0802002	0.004908656	0.000520517	6.12972E-06	0.017800348	0.020303475	0.515163779	0.070039794	1.68958E-05	93.48828888	0.000103636	0.003453289	0.000721253
2104 May	519.6547852	0.032991517	0.007490951	0.000552122	21.99801064	0.074699037	309.285553	0.004887877	0.000537113	6.14741E-06	0.017573372	0.020007132	0.503436863	0.069725744	1.66803E-05	92.86505127	0.000101779	0.003389799	0.000725251
2104 Jun	480.0095215	0.031886365	0.007623823	0.000537304	20.59006119	0.068647109	284.4592896	0.004557861	0.000523913	5.80456E-06	0.016297098	0.018454025	0.461002022	0.065123692	1.54472E-05	86.503685	9.39229E-05	0.003121945	0.000686623
2104 Jul	514.6130371	0.031690881	0.007631838	0.000543548	20.82255936	0.071452081	307.1897583	0.004904081	0.00052975	6.09542E-06	0.017309621	0.019860415	0.496504605	0.06897831	1.64723E-05	92.58095551	0.000100643	0.003358294	0.000727061
2104 Aug	538.3011475	0.031423919	0.007558113	0.000543734	20.98856544	0.072907418	323.1122437	0.005036037	0.000529774	6.27229E-06	0.01813045	0.020775981	0.526610434	0.072220787	1.72473E-05	96.40680695	0.000106277	0.003547428	0.000758202
2104 Sep	534.5324097	0.031175142	0.007289763	0.000534278	20.8331852	0.072859503	321.0533142	0.005007059	0.000520683	6.20422E-06	0.017966537	0.020643372	0.522994161	0.071407869	1.71087E-05	95.58470917	0.000105278	0.003519675	0.000746739
2104 Oct	522.4778442	0.031720836	0.006994669	0.000525085	20.6258297	0.072447561	313.4292297	0.004937524	0.000511977	6.0765E-06	0.0175367	0.020193126	0.508583486	0.069399446	1.66972E-05	93.4202652	0.000102309	0.003423882	0.000723228
2104 Nov	518.9686279	0.031985715	0.0069349	0.000524289	20.60857582	0.072346367	311.1459045	0.004907808	0.000511303	6.04708E-06	0.017436016	0.020054394	0.504802763	0.068917438	1.65913E-05	92.77846527	0.000101563	0.003398183	0.000717345
2104 Dec	519.5922852	0.03198947	0.006934621	0.000524292	20.66475677	0.072508372	311.4908447	0.004913058	0.000511296	6.05077E-06	0.017452009	0.020078152	0.505376816	0.06898547	1.66082E-05	92.87046814	0.000101663	0.003401677	0.000717833
2105 Jan	519.9373779	0.031981599	0.006932802	0.000524128	20.69353867	0.072604492	311.6822205	0.00491782	0.000511128	6.05213E-06	0.017456897	0.020092431	0.505597174	0.069007739	1.66154E-05	92.92531586	0.000101695	0.003403113	0.000717975
2105 Feb	520.3134155	0.031983718	0.006933476	0.000524142	20.6975708	0.072668098	311.9133301	0.004926884	0.000511136	6.05516E-06	0.017459033	0.020110309	0.505685806	0.069014251	1.66216E-05	93.00608063	0.000101705	0.003404209	0.000718151
2105 Mar	520.8961792	0.031988144	0.006934521	0.000524206	20.70219803	0.072762124	312.2741699	0.004940648	0.00051119	6.06009E-06	0.017463241	0.020137884	0.505843818	0.069026671	1.66319E-05	93.13088989	0.000101725	0.003406025	0.000718445
2105 Apr	523.4049683	0.032096446	0.006958065	0.000525979	20.77445984	0.073113255	313.8025818	0.004973642	0.000512908	6.08654E-06	0.017529538	0.020240838	0.507840335	0.06928356	1.67022E-05	93.60194397	0.000102111	0.00342029	0.000721309
2105 May	519.244751	0.032964017	0.007368725	0.00053658	21.09283066	0.072894767	310.1532593	0.00495138	0.000523798	6.09902E-06	0.017401192	0.020051815	0.500913024	0.069239736	1.65758E-05	93.24594879	0.000101066	0.003383274	0.000725947
2105 Jun	509.8183899	0.033171792	0.00769917	0.000540962	20.78921127	0.071010925	303.8743286	0.004886188	0.00052876	6.05447E-06	0.01710696	0.019672714	0.489427119	0.068471208	1.62875E-05	92.05400848	9.91833E-05	0.003317786	0.00072478
2105 Jul	543.4935913	0.032844484	0.007668629	0.000543791	21.01059914	0.073145956	326.3262634	0.005119429	0.000531293	6.31918E-06	0.018227596	0.020993644	0.529632211	0.072870471	1.73593E-05	97.66709137	0.000106819	0.003575063	0.000768842
2105 Aug	547.2601929	0.030893538	0.007199498	0.000522342	20.48620605	0.071690492	330.6008606	0.004947398	0.000510333	6.25274E-06	0.018537968	0.021086903	0.546813786	0.074079961	1.75955E-05	97.47145844	0.000109719	0.003662452	0.000774179
2105 Sep	534.2875977	0.030503795	0.006759685	0.000506152	20.50252342	0.071670189	322.3825989	0.004815252	0.000494736	6.07969E-06	0.018087838	0.020577993	0.534136534	0.072054133	1.71728E-05	94.78099823	0.000106828	0.003568926	0.000746462
2105 Oct	523.9390869	0.03086037	0.006460787	0.00049546	20.61113358	0.072122335	315.4667664	0.004773383	0.000484428	5.95177E-06	0.017659493	0.020197138	0.520180285	0.070092037	1.67838E-05	92.83933258	0.000103875	0.003475581	0.000722442
2105 Nov	518.0532227	0.031135391	0.006368909	0.000493331	20.58946037	0.071959145	311.6150513	0.004728177	0.000482462	5.89831E-06	0.017473906	0.019967161	0.513534248	0.069245875	1.65978E-05	91.77019501	0.000102556	0.003430913	0.000712417
2105 Dec	518.4596558	0.031137809	0.006367742	0.000493291	20.62524986	0.072071627	311.8387451	0.004732818	0.000482417	5.90058E-06	0.017482299	0.01998332	0.513844609	0.069280796	1.66077E-05	91.83286285	0.000102607	0.003432865	0.00071265
2106 Jan	518.9168091	0.031135943	0.006367017	0.000493222	20.62648582	0.072153367	312.121521	0.004745643	0.000482341	5.90399E-06	0.017481791	0.02000613	0.513863087	0.069274567	1.66136E-05	91.93541718	0.000102599	0.003433758	0.000712747
2106 Feb	519.3969116	0.031133339	0.006366773	0.000493158	20.62599754	0.072234109	312.4204712	0.00475911	0.000482271	5.90765E-06	0.017481351	0.020030107	0.513885617	0.069268927	1.66199E-05	92.04407501	0.000102591	0.003434734	0.000712874
2106 Mar	520.1245117	0.031140735	0.006368421	0.000493265	20.63260841	0.072350293	312.8706055	0.004775816	0.000482367	5.91391E-06	0.017487494	0.02006425	0.514107227	0.069288194	1.66332E-05	92.19876099	0.000102622	0.003437121	0.000713271
2106 Apr	523.1937866	0.031288072	0.006398614	0.000495595	20.73220253	0.072792031	314.7296448	0.004813903	0.000484637	5.94679E-06	0.017572591	0.020188669	0.516650319	0.069620058	1.67214E-05	92.76802063	0.000103116	0.003455014	0.000716881
2106 May	529.5406494	0.031984698	0.006631123	0.000505706	21.19454002	0.073948696	318.0770264	0.00488772	0.000494682	6.0346E-06	0.017764762	0.02042843	0.521288097	0.070553698	1.69125E-05	94.03174591	0.000104136	0.003489888	0.000728255
2106 Jun	481.4642029	0.030845208	0.006928024	0.000507242	20.07645607	0.067971982	286.9892883	0.004482084	0.00049754	5.69852E-06	0.016341249	0.018515293	0.469262958	0.065140031	1.54917E-05	86.1754837	9.48456E-05	0.003159554	0.000680212
2106 Jul	515.8447266	0.030103924	0.006860821	0.000512262	20.1390934	0.070176117	309.9875488	0.004773796	0.000502361	5.98461E-06	0.017441152	0.019894253	0.507986784	0.069221884	1.65627E-05	92.01441956	0.000102269	0.003411428	0.000721522
2106 Aug	528.8977661	0.028481938	0.006497622	0.00049782	19.7796917	0.069788039	320.0334473	0.004727845	0.000488161	6.02001E-06	0.01799331	0.020373004	0.532536149	0.07140322	1.70606E-05	93.61981964	0.000106605	0.003552497	0.000738494
2106 Sep	522.7471313	0.028152548	0.006161542	0.000485988	19.86034584	0.070006296	316.2625427	0.004631616	0.000476702	5.91675E-06	0.017798975	0.020119773	0.528423548	0.070488267	1.68743E-05	92.13226318	0.00010542	0.003514902	0.000723079
2106 Oct	521.1156006	0.028613787	0.006065845	0.000484337	20.33154488	0.071061373	314.6806946	0.00459764	0.000475148	5.88783E-06	0.017761128	0.020036642	0.52679652	0.070264503	1.68225E-05	91.59960175	0.000105014	0.003498683	0.000717102
2106 Nov	522.9630127	0.028691668	0.00607843	0.000485451	20.45597839	0.07142739	315.743866	0.004611692	0.000476234	5.90479E-06	0.017820854	0.020106044	0.528672636	0.070506886	1.68798E-05	91.89466095	0.000105371	0.003510525	0.000719234
2106 Dec	523.5481567	0.028693331	0.006077976	0.000485434	20.49943924	0.071570531	316.0746155	0.004618657	0.000476209	5.90841E-06	0.01783308	0.020129569	0.529120505	0.070557937	1.68942E-05	91.9889679	0.000105447	0.003513428	0.000719632
2107 Jan	524.0248413	0.028691046	0.006077257	0.000485369	20.50149918	0.071654916	316.3695679	0.004631585	0.000476138	5.91198E-06	0.017833265	0.020153115	0.529162705	0.070554383	1.69007E-05	92.09445953	0.000105443	0.003514467	0.000719753
2107 Feb	524.6472168	0.028694302	0.006078095	0.00048541	20.50679398	0.071757115	316.7543945	0.004646427	0.000476171	5.91712E-06	0.017837334	0.020182652	0.529322743	0.070566148	1.69114E-05	92.22776031	0.000105462	0.003516354	0.00072005
2107 Mar	525.6879883	0.028718196	0.00608322	0.000485808	20.52656364	0.071916446	317.3934631	0.004665548	0.000476554	5.92689E-06	0.017854664	0.020228652	0.529878438	0.070629641	1.69351E-05	92.43608093	0.000105559	0.003520919	0.000720886
2107 Apr	527.4962158	0.02878209	0.006096772	0.000486887	20.57466698	0.072180912	318.4970703	0.00469204	0.000477605	5.94523E-06	0.01789711	0.020304525	0.531181097	0.070791923	1.69829E-05	92.78083038	0.000105805	0.003530498	0.000722741
2107 May	522.2164917	0.029428862	0.006361332	0.000495212	20.6253376	0.071625806	314.581543	0.004662189	0.000486055	5.94349E-06	0.017746301	0.020084366	0.523861051	0.070432127	1.68302E-05	92.15938568	0.000104627	0.003489118	0.000722744
2107 Jun	500.2558899	0.030176921	0.006902717	0.000509014	20.16357231	0.068789259	299.6995544	0.004557625	0.000500416	5.8523E-06	0.017028024	0.019226372	0.494807601	0.068018936	1.61436E-05	89.20690155	9.96187E-05	0.003319105	0.000708531
2107 Jul	529.0321655	0.029569045	0.006820155	0.000510054	20.30178833	0.071069606	318.8114319	0.00483282	0.000501293	6.07615E-06	0.017860264	0.020397795	0.525269568	0.071196713	1.69961E-05	94.15679932	0.000105276	0.003518927	0.000740838
2107 Aug	563.8222656	0.029479222	0.006810632	0.000513173	20.68855667	0.073783867	341.6951599	0.005105575	0.000504142	6.34868E-06	0.018958272	0.021772861	0.564638495	0.075543247	1.80692E-05	100.035202	0.000112685	0.003773281	0.000784602
2107 Sep	575.5161743	0.029902732	0.006739219	0.000513352	21.23049355	0.07595621	348.8196716	0.005227386	0.00050427	6.42997E-06	0.019267045	0.022242056	0.575415313	0.076676853	1.8389E-05	101.9354782	0.000114584	0.003842388	0.000793764
2107 Oct	567.9606323	0.030241754	0.006570562	0.000507845	21.41765785	0.076293252	343.6525879	0.005168184	0.000498949	6.34401E-06	0.019004047	0.02194456	0.566500306	0.075491883	1.8133E-05	100.4535446	0.000112733	0.003780477	0.000778405
2107 Nov	563.0521851	0.03046982	0.006518457	0.000506997	21.40302658	0.076052725	340.4447327	0.005118056	0.00049819	6.30307E-06	0.018871915	0.021745324	0.561600327	0.074901015	1.79912E-05	99.54742432	0.000111789	0.003746767	0.000771296
2107 Dec	563.7104492	0.030460475	0.006515461	0.00050678	21.48893356	0.076266266	340.785553	0.005120375	0.000497967	6.30533E-06	0.018890798	0.021768438	0.562322795	0.074986137	1.80099E-05	99.62547302	0.000111913	0.003750757	0.000771761
2108 Jan	564.1901245	0.030456197	0.006514349	0.000506672	21.51521301	0.076379552	341.0625916	0.005128965	0.000497854	6.30812E-06	0.018896164	0.021789441	0.562552154	0.075008273	1.80192E-05	99.71241 76	0.000111945	0.003752517	0.00077197
2108 Feb	564.6664429	0.030454176	0.006514152	0.000506617	21.52030373	0.076465003	341.3549194	0.005141096	0.000497795	6.31165E-06	0.018897405	0.021812486	0.562629402	0.075010315	1.80264E-05	99.81534576	0.000111949	0.003753712	0.00077213
2108 Mar	565.7775269	0.030484453	0.00652073	0.000507111	21.54368591	0.076631628	342.0359802	0.00516029	0.000498274	6.32234E-06	0.018918129	0.021860853	0.563283265	0.075087965	1.80528E-05	100.0350342	0.000112067	0.003758889	0.000773106
2108 Apr	571.5576782	0.030771039	0.006582598	0.000511821	21.7455864	0.077430427	345.5369873	0.005222219	0.000502896	6.38533E-06	0.019094767	0.02208961	0.568572342	0.075786367	1.82281E-05	101.0821228	0.000113107	0.003795041	0.000780498

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 May	584.9606934	0.031426743	0.006738398	0.00052197	22.18438148	0.079346977	353.6115112	0.005395246	0.000512859	6.52914E-06	0.019452251	0.022635259	0.579226553	0.077222586	1.86059E-05	103.6111755	0.000115181	0.003871338	0.000796695
2108 Jun	551.1335449	0.030621352	0.006914708	0.000538006	21.18318748	0.075397603	331.782135	0.00517463	0.000529541	6.37052E-06	0.01849748	0.021319589	0.540314734	0.073000588	1.76401E-05	98.21434784	0.000108452	0.00362884	0.00075789
2108 Jul	591.2344971	0.031022592	0.007069298	0.000555845	21.82962608	0.079690486	357.2799377	0.005634295	0.000547012	6.75342E-06	0.01963722	0.022957474	0.577385366	0.07726039	1.88082E-05	105.4422989	0.000115605	0.003882432	0.000803408
2108 Aug	634.9302368	0.031666614	0.007211142	0.0005693	22.63420677	0.083744213	385.3655701	0.005994997	0.00056007	7.13531E-06	0.021036992	0.02467408	0.62501204	0.082802311	2.01645E-05	112.9406052	0.000124718	0.004193367	0.000859857
2108 Sep	642.5500488	0.031874608	0.007151368	0.000568843	23.05129623	0.085384347	389.9211121	0.006081965	0.0005596	7.18478E-06	0.021215172	0.024983089	0.631503522	0.083462417	2.03625E-05	114.1706238	0.000125797	0.004234997	0.000864678
2108 Oct	610.6744385	0.03241789	0.006775545	0.000553652	22.4752655	0.082881026	369.7087402	0.005798727	0.000544943	6.88227E-06	0.020233793	0.023729352	0.598257005	0.07926967	1.93781E-05	108.479204	0.000119255	0.00401174	0.000817844
2108 Nov	607.4992676	0.032678798	0.006733998	0.000553308	22.48122406	0.082861044	367.5856628	0.005778767	0.000544659	6.85698E-06	0.020131845	0.023606215	0.594389796	0.078799367	1.92765E-05	107.9152527	0.000118493	0.003986289	0.000812356
2108 Dec	608.1860962	0.032678451	0.006732826	0.000553237	22.5463028	0.083047502	367.9620361	0.005784644	0.000544583	6.86066E-06	0.020148626	0.023632426	0.595009387	0.078871861	1.92947E-05	108.0151672	0.000118599	0.003990033	0.000812852
2109 Jan	608.6005249	0.032677416	0.006732339	0.000553181	22.55009842	0.083123744	368.2163391	0.005795646	0.000544522	6.86372E-06	0.02014903	0.023652727	0.59505409	0.078870334	1.93005E-05	108.1058731	0.000118597	0.003990961	0.000812963
2109 Feb	609.1292114	0.03268012	0.006733134	0.000553204	22.55325508	0.083210088	368.5437012	0.005808746	0.000544541	6.86808E-06	0.020151699	0.023678092	0.595165431	0.078877255	1.93091E-05	108.220932	0.000118608	0.003992455	0.000813201
2109 Mar	610.350769	0.032715902	0.006740624	0.000553798	22.57963181	0.083392181	369.2922974	0.005829369	0.000545121	6.88005E-06	0.020175653	0.023730975	0.595910251	0.078966424	1.93388E-05	108.4612198	0.000118744	0.003998276	0.000814301
2109 Apr	614.8907471	0.032913912	0.006781525	0.000557141	22.71906662	0.084034659	372.0541382	0.005886107	0.000548402	6.92851E-06	0.020301161	0.023915557	0.599675059	0.079450548	1.94693E-05	109.3024445	0.000119476	0.004024764	0.000819561
2109 May	608.2324219	0.033860739	0.007179781	0.000569148	22.81402779	0.083372697	366.9764709	0.005863276	0.000560558	6.93304E-06	0.020089738	0.023641381	0.589427829	0.078983456	1.92654E-05	108.6159363	0.000117818	0.003968428	0.000820542
2109 Jun	596.1085815	0.034761716	0.007734359	0.000582909	22.5614624	0.081389964	358.4784851	0.005818259	0.000574674	6.91128E-06	0.019692466	0.023160964	0.57214725	0.077924207	1.88863E-05	107.2793121	0.000114996	0.003872964	0.000819661
2109 Jul	620.1121216	0.033610784	0.007542122	0.00057663	22.63763428	0.082802251	374.8587341	0.005955434	0.000568391	7.06245E-06	0.020482093	0.024102762	0.60280484	0.081008695	1.96516E-05	111.0447693	0.00012065	0.004063473	0.000848321
2109 Aug	644.0440674	0.032884993	0.007422376	0.000576601	22.96170235	0.084883235	390.7397461	0.006108597	0.000568312	7.23882E-06	0.021259895	0.025038997	0.631935418	0.084095232	2.04173E-05	114.866066	0.00012599	0.004245594	0.00087686
2109 Sep	638.6087036	0.03257706	0.007118185	0.000561222	23.03540421	0.084387966	387.6619263	0.005933085	0.000553178	7.11998E-06	0.021209089	0.02477275	0.633024037	0.083849803	2.03035E-05	113.290863	0.000125988	0.004235448	0.000868124
2109 Oct	605.9563599	0.033026922	0.006637799	0.000541083	22.60877037	0.082360342	366.8265686	0.005649252	0.000533571	6.78554E-06	0.020163577	0.023493323	0.59835583	0.079340801	1.92678E-05	107.3328476	0.000119054	0.004000725	0.000816198
2109 Nov	605.8803101	0.033210441	0.006617374	0.000541322	22.74184608	0.082741864	366.6016541	0.005653287	0.000533825	6.78399E-06	0.020153483	0.023489738	0.597765267	0.079268217	1.9259E-05	107.2850342	0.000118913	0.003996335	0.000814643
2109 Dec	606.6459351	0.033211146	0.006616601	0.00054128	22.81778336	0.082949564	367.0191345	0.005658642	0.000533777	6.78817E-06	0.020174086	0.023518244	0.598513424	0.079357527	1.92803E-05	107.3927307	0.000119043	0.004000776	0.000815254
2110 Jan	607.2262573	0.033212621	0.006616692	0.000541272	22.82850838	0.083055794	367.3724365	0.005671997	0.000533764	6.79263E-06	0.020178037	0.023545465	0.598676503	0.07936988	1.92903E-05	107.5134277	0.000119063	0.004002543	0.000815507
2110 Feb	607.9101563	0.033215743	0.006617547	0.000541304	22.83379364	0.083168231	367.7955017	0.005688538	0.000533791	6.79825E-06	0.020182107	0.023578057	0.598840654	0.079381175	1.93018E-05	107.6606293	0.000119081	0.004004562	0.000815823
2110 Mar	608.9285278	0.033238903	0.006622276	0.000541673	22.85158539	0.083323561	368.421814	0.00570772	0.000534149	6.80778E-06	0.020198336	0.023623347	0.599361837	0.079440005	1.93245E-05	107.8659897	0.000119172	0.004008926	0.00081662
2110 Apr	611.7405396	0.033358939	0.006646248	0.000543625	22.93624306	0.083724566	370.1339111	0.005743861	0.000536069	6.83732E-06	0.020273801	0.023738325	0.601642072	0.079731487	1.9404E-05	108.3893204	0.000119611	0.004025067	0.000819809
2110 May	616.8048096	0.033798896	0.006803656	0.000549865	23.47023582	0.084996775	372.6445618	0.005793681	0.000542284	6.89541E-06	0.02041976	0.023923574	0.605486691	0.080467984	1.95515E-05	109.2969131	0.000120403	0.004051692	0.000827671
2110 Jun	560.3144531	0.032784488	0.007186683	0.000544078	23.24228477	0.079782575	334.9579468	0.005232149	0.000537406	6.43722E-06	0.018739784	0.021612618	0.546152592	0.074536696	1.78696E-05	99.59746552	0.000109559	0.003663674	0.000771108
2110 Jul	590.0803833	0.031903747	0.007064797	0.000542418	23.03352547	0.081012592	355.3514404	0.005466002	0.000535681	6.66096E-06	0.019693136	0.022808615	0.581236541	0.078126281	1.87963E-05	104.627388	0.000116216	0.003890457	0.000807851
2110 Aug	566.7886353	0.028594669	0.006333549	0.000510459	21.50057793	0.076326758	343.1424561	0.005057041	0.00050433	6.35775E-06	0.019142874	0.021855971	0.571339011	0.075862728	1.82269E-05	99.73160553	0.000113679	0.00379775	0.000776618
2110 Sep	542.838623	0.02880864	0.005905051	0.000493732	21.32299042	0.075091273	327.8631287	0.004809714	0.000487998	6.09978E-06	0.018412452	0.020898459	0.547919393	0.072694235	1.7491E-05	95.15567017	0.000108861	0.003633231	0.000737455
2110 Oct	517.6259155	0.029961172	0.005562666	0.000483581	20.99111748	0.073473364	311.7500916	0.004577355	0.000478206	5.86693E-06	0.017679146	0.019898223	0.521925986	0.069394737	1.67251E-05	90.577034	0.000103779	0.003456849	0.00069907
2110 Nov	511.2035828	0.030173577	0.005488782	0.000481145	21.01791	0.07323467	307.5116272	0.00450947	0.000475851	5.80583E-06	0.01749693	0.019636417	0.515509725	0.068610467	1.65335E-05	89.3628006	0.000102522	0.003412164	0.000689451
2110 Dec	511.8466492	0.030173473	0.005487337	0.000481059	21.09617805	0.073430695	307.8493042	0.004511974	0.000475761	5.80877E-06	0.017516229	0.019659102	0.516214788	0.068695746	1.65524E-05	89.44307709	0.000102645	0.003416138	0.00068997
2111 Jan	512.3348389	0.030168707	0.005486366	0.000480942	21.1218853	0.073544487	308.1318359	0.004520959	0.000475641	5.8116E-06	0.017521303	0.019680614	0.516436517	0.068716936	1.65616E-05	89.53266907	0.000102676	0.003417883	0.000690181
2111 Feb	512.8696899	0.030164512	0.005485993	0.000480851	21.12726021	0.073641017	308.4602051	0.004534842	0.000475547	5.81545E-06	0.017522102	0.019706655	0.516509473	0.0687171	1.65693E-05	89.64885712	0.000102676	0.003419155	0.000690344
2111 Mar	514.3220215	0.030212218	0.005494866	0.0004816	21.16318512	0.073862962	309.3464966	0.004558356	0.000476282	5.8298E-06	0.017552201	0.019768896	0.517440557	0.068830006	1.66055E-05	89.93093872	0.000102847	0.003426268	0.000691685
2111 Apr	518.4650269	0.03041834	0.005532458	0.000484879	21.3096962	0.074470326	311.8516846	0.004605554	0.000479521	5.87469E-06	0.017674487	0.01993447	0.521088362	0.069304153	1.67288E-05	90.6830368	0.000103558	0.003451354	0.000696652
2111 May	522.1929932	0.031222792	0.005843156	0.000496116	21.47688866	0.074844502	313.6712341	0.004690575	0.000490767	5.95432E-06	0.017752072	0.020088686	0.521441221	0.069838271	1.68225E-05	91.74398041	0.000103829	0.003464131	0.000706888
2111 Jun	490.3770447	0.031607695	0.006522717	0.000506376	20.59832573	0.0699021	292.7245178	0.00446864	0.000501512	5.77564E-06	0.016762804	0.018825451	0.483659834	0.066618271	1.58534E-05	87.20950317	9.7316E-05	0.003238565	0.0006878
2111 Jul	536.3878784	0.031893607	0.006621977	0.000517697	21.26192474	0.074105479	322.441803	0.004903884	0.000512576	6.17021E-06	0.018150633	0.020668257	0.531245589	0.072011352	1.72327E-05	95.23331451	0.0001064	0.003553777	0.000743849
2111 Aug	537.6571655	0.029705217	0.006166865	0.000497068	20.56189346	0.072369568	325.1697083	0.004749777	0.000492174	6.09198E-06	0.018326981	0.020685365	0.543926358	0.072688088	1.737E-05	94.7571106	0.000108404	0.003615758	0.000744985
2111 Sep	541.7356567	0.029407658	0.005974267	0.000491215	21.02402306	0.074057288	327.489502	0.004787185	0.000486391	6.08807E-06	0.018381111	0.020849647	0.547668397	0.072836883	1.74596E-05	95.17758942	0.000108758	0.003634651	0.000741904
2111 Oct	523.5009766	0.029857842	0.005715766	0.000481405	21.00082397	0.07342755	315.5475769	0.004630896	0.000476785	5.90379E-06	0.017796811	0.020130027	0.527718425	0.070295013	1.68776E-05	91.80417633	0.000104784	0.003499091	0.000711828
2111 Nov	511.062561	0.030323518	0.005576218	0.000477595	21.01903343	0.072940998	307.3570862	0.004506367	0.000473105	5.79059E-06	0.017442795	0.019626541	0.515010238	0.068744011	1.65062E-05	89.48374939	0.000102309	0.003411514	0.000693082
2111 Dec	511.6246338	0.03034321	0.005573325	0.000477575	21.09885788	0.07314951	307.6353149	0.004509583	0.000473083	5.79326E-06	0.017458363	0.0196466	0.515549421	0.068809375	1.65217E-05	89.55284882	0.0001024	0.003414497	0.000693381
2112 Jan	511.9449463	0.030340694	0.005572724	0.000477487	21.1285553	0.07323955	307.8096008	0.004513262	0.000472993	5.79476E-06	0.017464317	0.019659335	0.515786648	0.068836525	1.65291E-05	89.60211945	0.000102438	0.00341599	0.000693568
2112 Feb	512.3711548	0.030343682	0.005573771	0.000477505	21.15300941	0.073331699	308.055603	0.004519497	0.000473009	5.79772E-06	0.017471883	0.019677138	0.516062438	0.068868898	1.6539E-05	89.67746735	0.000102484	0.00341794	0.000693881
2112 Mar	513.8621826	0.030401016	0.005584569	0.000478392	21.20690727	0.073568769	308.9529419	0.004539034	0.000473884	5.81254E-06	0.017509727	0.019738236	0.517230749	0.069016695	1.65799E-05	89.9517746	0.000102704	0.003426187	0.000695456
2112 Apr	517.473938	0.030579068	0.005617409	0.000481186	21.33652496	0.074100651	311.1348267	0.004580112	0.000476649	5.85135E-06	0.017615719	0.01988253	0.520407498	0.069430195	1.6687E-05	90.60713196	0.000103322	0.003448027	0.000699789
2112 May	516.1463013	0.031399522	0.006013922	0.00049204	21.71794701	0.074006595	309.4068909	0.004546931	0.000487576	5.88349E-06	0.017630521	0.019788938	0.518477082	0.069927536	1.66755E-05	90.60646057	0.000103262	0.003440009	0.000708887
2112 Jun	451.9158325	0.029554917	0.006364795	0.000476356	19.73441315	0.064154737	268.9395447	0.003911295	0.00047264	5.34977E-06	0.015761601	0.017209493	0.454645604	0.063195065	1.47817E-05	79.96161652	9.17895E-05	0.003029244	0.000651263
2112 Jul	480.1944885	0.028342601	0.006202111	0.00047423	19.70974731	0.066179886	287.9480591	0.004198947	0.000470461	5.55886E-06	0.016561924	0.018376598	0.484174192	0.066045024	1.56035E-05	84.78235626	9.73309E-05	0.003223474	0.000679862
2112 Aug	513.7128906	0.028369881	0.00619254	0.000477205	20.4902935	0.0693397	309.6105042	0.004400358	0.000473302	5.81216E-06	0.017693236	0.019660737	0.524533331	0.070592076	1.66743E-05	90.1739502	0.000104934	0.003477424	0.000723018
2112 Sep	524.9592285	0.028239762	0.006057846	0.000472817	21.44349289	0.07248494	315.9911804	0.004514299	0.000468894	5.86065E-06	0.017927697	0.020106666	0.534183383	0.071522228	1.69528E-05	91.7937851	0.000106418	0.003535352	0.000727521
2112 Oct	526.9527588	0.02830358	0.005910005	0.000466332	21.97896004	0.074075952	316.7559204	0.004539433	0.000462435	5.83573E-06	0.01791773	0.02018665	0.534906387	0.071431339	1.69645E-05	91.88615417	0.000106329	0.003535634	0.000722845
2112 Nov	528.4898682	0.028363807	0.005891439	0.000465854	22.28421593	0.074800596	317.4390564	0.004538304	0.000461953	5.83909E-06	0.017968943	0.020235203	0.536740541	0.071651049	1.70109E-05	92.01493073	0.000106634	0.003544674	0.00072343
2112 Dec	528.998291	0.028376043	0.005892896	0.000466001	22.33005714	0.074923821	317.7209473	0.004541349	0.000462098	5.84278E-06	0.017984934	0.0202538	0.537275672	0.07171832	1.70263E-05	92.08864594	0.000106733	0.003547892	0.000723945
2113 Jan	529.3335571	0.028368168	0.005891122	0.00046584	22.3690834	0.075030215	317.8973083	0.004544011	0.000461935	5.84383E-06	0.017992103	0.020266447	0.537572026	0.071751729	1.70346E-05	92.13350677	0.00010678	0.003549604	0.000724127
2113 Feb	529.7553711	0.028372193	0.005892177	0.000465887	22.37731361	0.075102903	318.1542358	0.004553015	0.00046198	5.84729E-06	0.017996358	0.020285808	0.537726998	0.071767017	1.70426E-05	92.22024536	0.000106803	0.003551085	0.000724374
2113 Mar	531.8372192	0.028457422	0.005910005	0.000467277	22.45580864	0.075418845	319.4074402	0.004577275	0.000463355	5.86856E-06	0.01805469	0.020369356	0.539513528	0.071997501	1.71027E-05	92.59674835	0.000107147	0.003563393	0.000726789
2113 Apr	535.4350586	0.028622407	0.005944329	0.000469981	22.5895443	0.075941786	321.578186	0.004616471	0.000466034	5.90669E-06	0.018161958	0.020512123	0.542755008	0.072421081	1.72103E-05	93.2443924	0.00010778	0.003585515	0.000731215
2113 May	537.6315918	0.02943903	0.006268923	0.000480973	23.00704956	0.076619744	322.0940552	0.00466448	0.000477046	5.96785E-06	0.018211337	0.020587144	0.542098224	0.072913058	1.72669E-05	93.91663361	0.000107852	0.003588654	0.000739797
2113 Jun	505.7907104	0.02972416	0.006757219	0.000488574	22.17326355	0.072088964	301.3078308	0.004420954	0.00048497	5.77523E-06	0.017251583	0.019320095	0.505818605	0.069585532	1.63141E-05	89.1269455	0.000101494	0.003366742	0.000715896
2113 Jul	539.4539795	0.029524386	0.006759472	0.000495529	22.47237396	0.074789733	323.4264221	0.004718552	0.000491809	6.06124E-06	0.018294981	0.02066741	0.542372465	0.073615387	1.73477E-05	94.92316437	0.000108422	0.003605982	0.000757101
2113 Aug	568.1524658	0.029138422	0.006677179	0.000494999	22.88442802	0.076980568	342.4240417	0.004880568	0.000491203	6.26839E-06	0.019271277	0.021773294	0.57818979	0.077509828	1.82737E-05	99.50662231	0.000115126	0.003830195	0.000794006
2113 Sep	565.5591431	0.029066915	0.006436694	0.000486159	22.96807671	0.077114694	340.9623413	0.004803733	0.000482447	6.20428E-06	0.019231638	0.021652328	0.578435898	0.077222727	1.82107E-05	98.68158722	0.000114966	0.003822101	0.000786463
2113 Oct	535.0657959	0.029806936	0.006001486	0.000471924	22.48531914	0.075206853	321.5401917	0.004555314	0.00046846	5.91511E-06	0.018272519	0.020464664	0.545468509	0.07295464	1.72534E-05	93.19803619	0.000108442	0.003600971	0.000737657
2113 Nov	528.4789429	0.03036345	0.00592379	0.000472308	22.55495262	0.075153142	317.1111755	0.004489804	0.000468897	5.86571E-06	0.018103367	0.020195199	0.538658381	0.072145648	1.70658E-05	91.96321106	0.000107132	0.003553828	0.000727327
2113 Dec	528.9992676	0.030380083	0.005925197	0.000472482	22.60567665	0.075286105	317.3955688	0.004492514	0.000469069	5.86952E-06	0.018120389	0.020213924	0.539220393	0.072216965	1.70819E-05	92.03659821	0.000107235	0.003557163	0.000727854
2114 Jan	529.2643433	0.030381905	0.005925336	0.00047247	22.626194	0.075353175	317.543396	0.004495889	0.000469055	5.87113E-06	0.018125461	0.020224655	0.539407969	0.072239041	1.70882E-05	92.08014679	0.000107266	0.003558403	0.000728032
2114 Feb	529.635498	0.030382348	0.005925761	0.000472453	22.62823486	0.075416036	317.772522	0.004505574	0.000469036	5.87406E-06	0.018126335	0.020242734	0.539459109	0.072240263	1.70937E-05	92.16215515	0.000107268	0.003559316	0.000728172
2114 Mar	530.8942871	0.030429216	0.005935079	0.000473169	22.6641922	0.075604811	318.5374756	0.004524024	0.000469745	5.88667E-06	0.018155569	0.020295504	0.540358126	0.072353125	1.71268E-05	92.40187073	0.000107437	0.003565929	0.00072946
2114 Apr	533.5845337	0.030553445	0.005959407	0.000475094	22.75838089	0.075998373	320.1635437	0.004555744	0.000471654	5.91493E-06	0.018231824	0.02040367	0.54266268	0.072652474	1.7205E-05	92.89333344	0.000107883	0.003581906	0.000732645
2114 May	526.9301758	0.031055301	0.006298254	0.00048104	23.01760483	0.075416125	315.087677	0.004482789	0.000477693	5.88536E-06	0.018046618	0.020107061	0.534759939	0.072373122	1.70122E-05	91.95238495	0.000106611	0.003534508	0.000733603
2114 Jun	526.1437378	0.03161696	0.006782291	0.000493319	23.17413521	0.074873082	313.8223877	0.004496154	0.000490084	5.93364E-06	0.018030042	0.020057384	0.531479239	0.072770141	1.69917E-05	92.27561951	0.000106394	0.003524017	0.000744633
2114 Jul	573.4725952	0.031900808	0.006878046	0.000504521	23.94685555	0.07921914	344.3699951	0.004910471	0.000501113	6.33508E-06	0.019496882	0.021935247	0.582043171	0.078535959	1.84339E-05	100.4191132	0.000116032	0.003855375	0.000803618
2114 Aug	616.4475098	0.032734822	0.007057835	0.000520486	25.24548721	0.084156066	371.3372498	0.005239583	0.000516897	6.7143E-06	0.020900801	0.023596415	0.629112244	0.084176823	1.97828E-05	107.631424	0.000125042	0.004158944	0.000859122
2114 Sep	607.4401245	0.032428704	0.006742622	0.000508893	25.24688911	0.083839364	365.7904663	0.005097793	0.000505421	6.58962E-06	0.020666448	0.023219343	0.623091996	0.083079524	1.953E-05	105.6109695	0.00012362	0.004107546	0.000842017
2114 Oct	593.6866455	0.032442801	0.00639047	0.000494244	25.20816994	0.083465554	357.0183716	0.004966136	0.000490903	6.41632E-06	0.020209506	0.022679843	0.60902983	0.081019565	1.90786E-05	102.8842621	0.000120663	0.00400751	0.000815749
2114 Nov	576.399353	0.03271861	0.006157017	0.000486415	25.15222168	0.082646959	345.7998962	0.004791123	0.000483193	6.24815E-06	0.0197035	0.021984667	0.591710031	0.07881099	1.85579E-05	99.62464142	0.000117235	0.003887232	0.000788934
2114 Dec	576.3498535	0.03273461	0.006148061	0.000486149	25.21860504	0.082796901	345.6941223	0.004788314	0.000482929	6.24522E-06	0.019701254	0.021980416	0.591649711	0.078800902	1.85554E-05	99.58349609	0.00011721	0.00388615	0.000788394
2115 Jan	576.6176147	0.032736097	0.006148132	0.000486126	25.24926567	0.082876548	345.8349915	0.004789975	0.000482906	6.24656E-06	0.01970844	0.021990178	0.59191215	0.07883352	1.85628E-05	99.61990356	0.000117255	0.003887679	0.00078861
2115 Feb	577.0187988	0.032737456	0.006148871	0.000486119	25.27406693	0.082967035	346.0646973	0.004795781	0.000482897	6.2492E-06	0.019715386	0.022006886	0.592170954	0.07886371	1.85719E-05	99.68989563	0.000117298	0.003889491	0.000788891
2115 Mar	577.836731	0.032759938	0.006153351	0.000486439	25.30293846	0.083104268	346.5560303	0.004807992	0.000483213	6.25661E-06	0.019732701	0.022041306	0.592729926	0.078931816	1.85924E-05	99.84304047	0.000117399	0.003893586	0.000789643

Appendix D.2-2: SP6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Apr	581.7955322	0.032941163	0.006187525	0.000489123	25.44562531	0.08368203	348.9502258	0.004852849	0.000485876	6.29735E-06	0.019846639	0.022199597	0.596209645	0.079381347	1.87082E-05	100.5589752	0.000118072	0.003917475	0.000794367
2115 May	573.3477173	0.033651568	0.00657544	0.000499046	25.23577309	0.082350701	343.0378113	0.004837554	0.000495877	6.28424E-06	0.019546196	0.021873672	0.583379805	0.078543663	1.84325E-05	99.68517303	0.000115921	0.003847286	0.000793058
2115 Jun	582.5786743	0.035091814	0.007131316	0.000521959	25.66868973	0.083260491	347.9242249	0.004969004	0.000518789	6.45601E-06	0.019844435	0.022227291	0.588956237	0.080083683	1.87227E-05	101.8696671	0.000117421	0.003898184	0.000815883
2115 Jul	619.7324829	0.035117723	0.007172387	0.00053034	25.99875641	0.085523859	372.5715332	0.005193273	0.000527069	6.77145E-06	0.02116262	0.023659665	0.634920537	0.085305594	1.99514E-05	108.040947	0.00012627	0.004190907	0.000868273
2115 Aug	608.6108398	0.033029009	0.006736069	0.000512225	25.03318214	0.08291997	367.1431885	0.004997991	0.000509108	6.6172E-06	0.020893985	0.023215475	0.630923212	0.084104963	1.9681E-05	105.6616669	0.000125136	0.004150455	0.000851632
2115 Sep	614.3736572	0.032605484	0.006561343	0.00050728	25.4439621	0.084686287	370.5852966	0.005071534	0.000504188	6.63195E-06	0.02097263	0.023458745	0.635468721	0.084337041	1.98089E-05	106.4530869	0.000125653	0.004176978	0.00085023
2115 Oct	618.8197632	0.032517254	0.006421644	0.000500676	25.84708595	0.086371653	373.039032	0.005165397	0.000497593	6.62917E-06	0.020967958	0.023663908	0.636600077	0.084238485	1.98584E-05	107.1356506	0.000125615	0.004184861	0.000847038
2115 Nov	611.6951294	0.032723099	0.006275097	0.000495854	25.83569717	0.086349316	368.359436	0.005127145	0.000492825	6.55336E-06	0.020703861	0.023396088	0.627652824	0.083032221	1.961E-05	105.8381729	0.00012379	0.004125451	0.000832797
2115 Dec	611.5901489	0.03276867	0.00627034	0.000495967	25.87812614	0.08644785	368.2386169	0.005125236	0.00049294	6.55232E-06	0.020701988	0.023390425	0.627509654	0.083017655	1.96069E-05	105.8027725	0.000123758	0.004124148	0.000832365
2116 Jan	611.9714355	0.03276458	0.006269312	0.000495854	25.92265701	0.086567357	368.4381409	0.005128126	0.000492825	6.55385E-06	0.020710818	0.023404658	0.627853334	0.08305838	1.96167E-05	105.8544846	0.000123814	0.004126147	0.000832608
2116 Feb	612.4334717	0.032779086	0.006272582	0.000496041	25.94026947	0.086645886	368.713562	0.005134958	0.000493011	6.55803E-06	0.020720569	0.023424007	0.628167689	0.083098173	1.96283E-05	105.9412994	0.000123872	0.004128456	0.000833053
2116 Mar	613.3074341	0.032806277	0.006278044	0.000496436	25.96276665	0.08677876	369.2463379	0.005148931	0.000493402	6.56639E-06	0.020738449	0.023461374	0.628733099	0.083167113	1.96499E-05	106.1105728	0.000123975	0.004132756	0.000833873
2116 Apr	617.0369263	0.032979432	0.006311322	0.000499047	26.10116196	0.087316975	371.5018311	0.005188726	0.000495995	6.60502E-06	0.020849688	0.023609111	0.632136941	0.083608948	1.97613E-05	106.7787018	0.000124635	0.004155871	0.000838465
2116 May	614.6719971	0.033585675	0.006626459	0.000507318	26.77174187	0.087827288	368.8442993	0.005122491	0.000504309	6.61088E-06	0.020840695	0.023460198	0.629881024	0.083984174	1.97222E-05	106.3643188	0.000124424	0.004140439	0.000843456
2116 Jun	544.1938477	0.032319356	0.006997836	0.000499662	24.97101021	0.078771584	323.6786804	0.004520367	0.000497074	6.06635E-06	0.018688943	0.020664709	0.554186165	0.075974464	1.75978E-05	94.84547424	0.000110621	0.003658551	0.00077242
2116 Jul	586.8703613	0.032626808	0.007118011	0.000513797	25.60010719	0.082757317	351.1377869	0.004936701	0.000511088	6.45047E-06	0.019986516	0.022376545	0.597667694	0.080937587	1.88833E-05	102.3324356	0.000119005	0.003948187	0.000824225
2116 Aug	620.3312378	0.033199023	0.007226965	0.000524981	26.48096657	0.086143456	372.4293518	0.005157664	0.000522175	6.74139E-06	0.021133935	0.023656772	0.636582613	0.085538849	1.99639E-05	107.8648758	0.000126462	0.0041964	0.000869103
2116 Sep	604.8062134	0.032678906	0.00677355	0.000505513	25.91928482	0.08420039	363.4667969	0.004936631	0.000502843	6.53923E-06	0.020732431	0.023027759	0.625929117	0.08366859	1.95241E-05	104.6741638	0.000124158	0.004112486	0.000844215
2116 Oct	584.734375	0.0332652	0.006360856	0.000492927	25.58044243	0.083207212	350.7970581	0.004785374	0.000490392	6.3348E-06	0.020079343	0.022258116	0.603821993	0.080616206	1.88767E-05	100.9939728	0.000119693	0.003963029	0.000808077
2116 Nov	584.444458	0.033523377	0.006333434	0.000493636	25.79888916	0.083725497	350.3500977	0.004775567	0.000491108	6.33192E-06	0.020082178	0.022237943	0.603489816	0.08058466	1.88712E-05	100.8484268	0.000119606	0.003958749	0.000806218
2116 Dec	584.8540039	0.033515185	0.00633072	0.000493465	25.85385513	0.083866403	350.5593567	0.004777597	0.000490937	6.33316E-06	0.020092726	0.022252627	0.603904605	0.080632322	1.88822E-05	100.8973694	0.000119675	0.003961033	0.000806448
2117 Jan	585.121582	0.033510331	0.006329642	0.000493363	25.87491035	0.083940811	350.70755	0.00478181	0.000490834	6.33439E-06	0.020095957	0.022263953	0.604049623	0.080646895	1.88875E-05	100.9420242	0.000119695	0.003962037	0.000806548
2117 Feb	585.4595337	0.033507623	0.006329446	0.000493304	25.87751961	0.084002011	350.9151611	0.004790915	0.000490774	6.33685E-06	0.020095972	0.022280589	0.604079187	0.080644913	1.88921E-05	101.0165863	0.000119692	0.003962766	0.000806639
2117 Mar	586.4567261	0.033542968	0.00633629	0.000493815	25.90592575	0.084153071	351.5212708	0.00480581	0.000491281	6.34658E-06	0.020118328	0.022322578	0.604775667	0.080731481	1.89178E-05	101.2068253	0.000119822	0.003967918	0.000807633
2117 Apr	591.0582275	0.03377327	0.006379886	0.0004972	26.08571625	0.084824651	354.2927246	0.004853393	0.000494647	6.39482E-06	0.020258799	0.022503678	0.609035432	0.081290014	1.90568E-05	102.0273132	0.000120653	0.003996717	0.000813403
2117 May	591.6859131	0.034652941	0.00671683	0.000509878	26.2591877	0.085055232	353.9811401	0.004917982	0.000507336	6.45763E-06	0.020239405	0.022534726	0.605571687	0.081448093	1.90571E-05	102.5875778	0.00012022	0.003985394	0.00081999
2117 Jun	577.923584	0.03562142	0.007284396	0.000529353	25.98579407	0.083314747	344.2613831	0.004903502	0.000526902	6.45173E-06	0.019766903	0.02200838	0.584302425	0.079923883	1.86201E-05	101.0800018	0.000116677	0.003867514	0.000814426
2117 Jul	616.8537598	0.036127329	0.007422714	0.000544488	26.72936058	0.087344274	369.0801697	0.005278375	0.000541933	6.80971E-06	0.020949069	0.023562707	0.623837352	0.084549844	1.97995E-05	107.9058914	0.000124231	0.004130099	0.000862291
2117 Aug	640.5668945	0.035813794	0.007356658	0.000545046	26.92569733	0.088910267	384.932251	0.005422748	0.000542457	6.98892E-06	0.02175363	0.024484131	0.653219998	0.087724589	2.05658E-05	111.7657242	0.00012974	0.004315618	0.000893002
2117 Sep	650.3252563	0.035942845	0.00728542	0.000544346	27.35805893	0.090685457	390.9234924	0.005523073	0.000541747	7.05322E-06	0.022004431	0.024876788	0.662356317	0.088655442	2.08319E-05	113.3342896	0.000131327	0.004373861	0.000900377
2117 Oct	638.9800415	0.036242995	0.007082093	0.000538431	27.27600479	0.090555184	383.4932861	0.005474519	0.000535895	6.94242E-06	0.021574682	0.024456298	0.647572279	0.086705193	2.04352E-05	111.3446808	0.000128333	0.004277596	0.000878148
2117 Nov	635.3723145	0.036351968	0.007028532	0.000537085	27.25093079	0.090450674	381.1383667	0.005450882	0.000534568	6.90941E-06	0.021453435	0.024317829	0.643305123	0.08615689	2.03178E-05	110.7000809	0.000127483	0.004249323	0.000871811
2117 Dec	635.6827393	0.036354955	0.00702443	0.000536942	27.31732178	0.090605401	381.2716064	0.005450298	0.000534424	6.90977E-06	0.021463599	0.02432741	0.643684387	0.086201973	2.03271E-05	110.7230225	0.000127546	0.004251142	0.000871909
2118 Jan	635.9371948	0.036354739	0.007024113	0.000536894	27.34033775	0.09067703	381.4099731	0.005453436	0.000534376	6.91108E-06	0.021468187	0.024337625	0.643862545	0.086222611	2.0333E-05	110.7631454	0.000127574	0.004252285	0.000872055
2118 Feb	636.2727661	0.036359444	0.007025448	0.000536936	27.34358788	0.090731546	381.6160583	0.00546146	0.000534417	6.91396E-06	0.021470405	0.024353504	0.643944919	0.086230122	2.03388E-05	110.8359833	0.000127584	0.004253297	0.00087224
2118 Mar	636.9197388	0.036377624	0.00702919	0.00053719	27.35770416	0.090831086	382.0111694	0.00547297	0.000534669	6.92005E-06	0.02148171	0.024381831	0.644304812	0.086272955	2.03537E-05	110.9648056	0.000127648	0.004256204	0.000872792
2118 Apr	639.4515381	0.036632597	0.007093542	0.00053998	27.48594475	0.091199264	383.4567261	0.005500358	0.00053745	6.9503E-06	0.021557776	0.024479343	0.646424115	0.086628594	2.04294E-05	111.4566574	0.00012808	0.004271433	0.000877009
2118 May	611.0673218	0.037560221	0.007680369	0.000551213	26.90323448	0.087219119	364.6183472	0.005268998	0.00054882	6.79511E-06	0.020725271	0.023331167	0.614184618	0.083982997	1.95947E-05	107.2901459	0.000122466	0.00407555	0.000860386
2118 Jun	554.0736084	0.036437634	0.007972704	0.000542631	24.79738426	0.078881435	328.7810669	0.004858453	0.000540515	6.35768E-06	0.018879212	0.021124939	0.550194025	0.077058189	1.78233E-05	98.36598969	0.000110707	0.003677237	0.000802397
2118 Jul	602.75354	0.036943223	0.008113303	0.000555918	25.47722816	0.082591623	360.4741821	0.00521689	0.000553696	6.77904E-06	0.020515313	0.023021845	0.60607481	0.083526626	1.93728E-05	106.6414719	0.000121514	0.004039155	0.000868561
2118 Aug	608.2722778	0.035652123	0.007790706	0.000544503	25.42840958	0.08257746	364.9407349	0.005128844	0.000542326	6.76503E-06	0.020813603	0.02319745	0.620323598	0.08464133	1.96244E-05	106.9336395	0.000123928	0.004114055	0.000873504
2118 Sep	580.7526245	0.034563795	0.007079132	0.000514663	24.56204605	0.079673588	348.633606	0.004796604	0.000512651	6.42799E-06	0.020020192	0.022104658	0.597860038	0.081028663	1.88085E-05	101.4633179	0.00011917	0.003947877	0.000827726
2118 Oct	561.4560547	0.034482908	0.006588912	0.000495682	24.18550301	0.078469999	336.7270813	0.004616849	0.000493779	6.19833E-06	0.019401571	0.021356847	0.578648269	0.078153238	1.81905E-05	97.73390961	0.000115191	0.003812747	0.00079225
2118 Nov	558.1324463	0.034541819	0.006488722	0.000492346	24.26989174	0.078652605	334.486908	0.004588056	0.000490463	6.15585E-06	0.019285535	0.021226222	0.574922025	0.077607594	1.80775E-05	97.04364014	0.000114396	0.003785941	0.000784792
2118 Dec	558.5117188	0.03456302	0.006490806	0.000492577	24.28610802	0.078724213	334.7105103	0.004593689	0.000490693	6.15963E-06	0.019294243	0.021242034	0.575178742	0.077639967	1.80874E-05	97.11422729	0.000114443	0.003787811	0.000785129
2119 Jan	559.0419922	0.034559205	0.006489895	0.000492489	24.31137085	0.078843951	335.0198364	0.004603724	0.000490605	6.16298E-06	0.01929979	0.021265572	0.575411558	0.077662006	1.80975E-05	97.21321106	0.000114475	0.003789693	0.000785362
2119 Feb	559.5983276	0.034559891	0.006490408	0.000492479	24.33286095	0.078955829	335.3494873	0.004614168	0.000490593	6.16696E-06	0.019306518	0.021290235	0.575670362	0.077688791	1.81086E-05	97.3197937	0.000114514	0.003791809	0.000785681
2119 Mar	561.1140747	0.034627117	0.006503233	0.000493426	24.38199234	0.079180226	336.2669373	0.004634099	0.000491535	6.18238E-06	0.019345533	0.021352382	0.576862097	0.077842347	1.81504E-05	97.60279846	0.000114742	0.0038003	0.000787373
2119 Apr	565.588562	0.035316776	0.006698731	0.000499497	24.64010239	0.079843491	338.6625671	0.004700294	0.000497596	6.24084E-06	0.019448955	0.021529038	0.579348743	0.078464374	1.82667E-05	98.60379028	0.000115278	0.003822192	0.000796323
2119 May	525.3826904	0.03734985	0.007772265	0.000513085	24.07758141	0.074452974	311.365387	0.004410629	0.000511352	6.0042E-06	0.018138593	0.019907769	0.530130804	0.074758157	1.70089E-05	93.03057098	0.000106546	0.003529182	0.00077765
2119 Jun	516.2445068	0.036433209	0.007791976	0.000510468	23.49633217	0.072661214	305.9125061	0.004363033	0.000508803	5.93339E-06	0.017825373	0.01957115	0.519529343	0.073465317	1.67172E-05	91.63232422	0.000104668	0.003464831	0.000767228
2119 Jul	563.5007324	0.036513962	0.007852257	0.000519266	24.12516403	0.076233596	336.8129272	0.004705806	0.000517521	6.32347E-06	0.019403115	0.021415716	0.574222445	0.079642318	1.8213E-05	99.56488037	0.000115206	0.003817179	0.000829478
2119 Aug	583.0497437	0.036434464	0.007797237	0.000523994	24.60055351	0.078088418	349.5646667	0.004780102	0.000522231	6.48479E-06	0.020143928	0.022143485	0.600366354	0.082549833	1.88929E-05	102.5480347	0.000120107	0.00397728	0.000855127
2119 Sep	574.4362183	0.035462931	0.007355478	0.000507293	24.38384056	0.077653117	344.6423035	0.00466646	0.000505596	6.3439E-06	0.019863686	0.021807879	0.594152808	0.081152275	1.86243E-05	100.5755386	0.000118524	0.003924921	0.000834423
2119 Oct	565.2360229	0.035174113	0.006976874	0.000492546	24.13181877	0.077332072	339.127655	0.00461245	0.000490906	6.21013E-06	0.01949884	0.021476891	0.583630204	0.07936231	1.82878E-05	98.75997162	0.000116224	0.003851763	0.000812107
2119 Nov	560.1619873	0.035183355	0.006850463	0.000488407	24.10159874	0.07734032	335.8341675	0.00459055	0.000486789	6.15341E-06	0.019298906	0.021290852	0.577067673	0.07843411	1.81058E-05	97.82873535	0.000114864	0.003808222	0.000801082
2119 Dec	560.9794922	0.035187021	0.006849688	0.000488409	24.14560509	0.077524029	336.3088379	0.004603775	0.000486789	6.15906E-06	0.019311786	0.021325801	0.577540696	0.078484468	1.81237E-05	97.97473145	0.000114939	0.003811663	0.000801549

Appendix D.2-2: SP6

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	3.2E-04	3.2E-02	2.5E-06	5.3E-01	1.2E+00	2.5E-02	5.0E-05	1.9E+00	4.6E-04	2.9E-03	1.8E-04	5.8E-05	3.3E-05	4.6E-02	5.1E-07	1.9E-05	3.3E-04	4.6E-04	1.7E-04
Operations (2020-2043): Mean	2.3E-03	7.4E-02	1.0E-05	1.2E+02	5.2E+01	3.5E-01	2.7E-02	3.6E+03	2.2E-02	5.8E-01	3.7E-04	6.5E-03	2.8E-03	9.9E+00	3.8E-05	2.0E-03	4.1E-03	2.4E-02	8.4E-02
Operations (2020-2043): Max	4.4E-03	2.3E-01	1.7E-05	3.1E+02	9.2E+01	8.8E-01	7.5E-02	9.8E+03	4.0E-02	2.3E+00	9.7E-04	1.8E-02	7.1E-03	2.7E+01	7.3E-05	4.8E-03	9.6E-03	7.0E-02	1.8E-01
Active Closure (2044-2050): Min	1.2E-03	2.4E-02	3.3E-06	6.9E+00	6.0E+00	5.0E-02	2.0E-03	1.5E+01	3.3E-03	4.3E-02	2.1E-04	6.6E-04	3.1E-04	3.3E-01	6.8E-06	1.3E-03	2.7E-04	1.2E-03	7.4E-04
Active Closure (2044-2050): Mean	1.8E-03	5.4E-02	7.9E-06	1.5E+01	1.4E+01	1.3E-01	4.8E-03	6.5E+01	7.3E-03	1.4E-01	6.6E-04	1.5E-03	6.6E-04	7.0E-01	1.4E-05	2.9E-03	6.8E-04	2.1E-03	1.9E-03
Active Closure (2044-2050): Max	2.3E-03	7.3E-02	1.1E-05	3.9E+01	5.6E+01	6.2E-01	7.7E-03	6.9E+02	2.0E-02	1.1E+00	9.6E-04	2.0E-03	1.0E-03	1.7E+00	3.7E-05	4.0E-03	1.8E-03	3.7E-03	7.1E-03
Water quality guideline for the protection of terrestrial life	***0.5***	***-***	***0.003***	***-***	***-***	***-***	***0.5***	***-***	***1***	***-***	***0.1***	***-***	***0.05***	***-***	***-***	***0.2***	***0.1***	***50***	***-***
Post Closure (2051-2119): Min	2.0E-03	6.9E-02	1.1E-05	1.8E+01	1.5E+01	1.3E-01	7.0E-03	2.0E+01	8.1E-03	1.2E-02	9.2E-04	1.9E-03	8.7E-04	8.1E-01	1.7E-05	3.7E-03	8.2E-04	2.4E-03	2.0E-03
Post Closure (2051-2119): Mean	3.6E-03	9.6E-02	1.4E-05	3.6E+01	3.0E+01	2.7E-01	1.5E-02	3.6E+01	1.6E-02	2.0E-02	1.9E-03	3.9E-03	1.8E-03	1.7E+00	3.4E-05	7.8E-03	1.4E-03	3.3E-03	4.3E-03
Post Closure (2051-2119): Max	4.5E-03	1.2E-01	1.7E-05	4.6E+01	3.8E+01	3.3E-01	1.9E-02	4.6E+01	2.0E-02	1.1E-01	2.4E-03	4.9E-03	2.3E-03	2.1E+00	4.5E-05	9.8E-03	1.7E-03	4.0E-03	5.5E-03
Water quality guideline for the protection of terrestrial life	***0.5***	***-***	***0.003***	***-***	***-***	***-***	***0.5***	***-***	***1***	***-***	***0.1***	***-***	***0.05***	***-***	***-***	***0.2***	***0.1***	***50***	***-***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0.001249812	0.231465206	9.9985E-06	2.106183529	4.624304771	0.110058457	0.00019747	7.528868198	0.00179973	0.011498271	0.000955856	0.000229965	0.00012998	0.17972298	1.9997E-06	7.49887E-05	0.001299805	0.001824726	0
2020 Feb	0.001249628	0.231431112	9.99702E-06	2.105873346	4.623623848	0.110042244	0.000197441	7.527759075	0.001799464	0.011496577	0.000955716	0.000229932	0.000129961	0.179696515	1.9994E-06	7.49777E-05	0.001299613	0.001824457	0
2020 Mar	0.001249734	0.231450811	9.99788E-06	2.106052399	4.624017715	0.11005161	0.000197458	7.528399944	0.001799618	0.011497556	0.000955797	0.000229951	0.000129972	0.179711804	1.99958E-06	7.49841E-05	0.001299724	0.001824612	0
2020 Apr	0.001251904	0.231852651	1.00152E-05	2.109709024	4.632045746	0.110242672	0.000197801	7.541470528	0.001802742	0.011517518	0.000957456	0.00023035	0.000130198	0.180023804	2.00305E-06	7.51143E-05	0.00130198	0.00182778	0
2020 May	0.001267016	0.234651372	1.01361E-05	2.135175467	4.687959194	0.111573435	0.000200189	7.632504463	0.001824503	0.011656548	0.000969014	0.000233131	0.00013177	0.1821969	2.02723E-06	7.6021E-05	0.001317697	0.001849843	0
2020 Jun	0.001086437	0.20120813	8.6915E-06	1.830863595	4.019816875	0.095671639	0.000171657	6.544696808	0.001564469	0.00999522	0.000830907	0.000199904	0.000112989	0.156229645	1.7383E-06	6.51862E-05	0.001129895	0.001586198	0
2020 Jul	0.001062115	0.196703658	8.49692E-06	1.789875746	3.929824591	0.09352982	0.000167814	6.398179531	0.001529445	0.009771456	0.000812305	0.000195429	0.00011046	0.152732104	1.69938E-06	6.37269E-05	0.001104599	0.001550688	0
2020 Aug	0.001093901	0.202590466	8.75121E-06	1.843442082	4.047433853	0.096328929	0.000172836	6.589660168	0.001575218	0.01006389	0.000836616	0.000201278	0.000113766	0.157302976	1.75024E-06	6.56341E-05	0.001137657	0.001597096	0
2020 Sep	0.00104119	0.192828327	8.32952E-06	1.754612923	3.852401972	0.091687165	0.000164508	6.272127151	0.001499313	0.009578945	0.000796302	0.000191579	0.000108284	0.149723083	1.6659E-06	6.24714E-05	0.001082837	0.001520137	0
2020 Oct	0.000978577	0.181232467	7.82862E-06	1.649097919	3.62073493	0.08617349	0.000154615	5.894948006	0.001409151	0.009002908	0.000748416	0.000180058	0.000101772	0.140719369	1.56572E-06	5.87146E-05	0.00101772	0.001428722	0
2020 Nov	0.000959899	0.177773312	7.67919E-06	1.617622018	3.551626921	0.084528714	0.000151664	5.782432556	0.001382255	0.008831072	0.000734131	0.000176621	9.98295E-05	0.138033494	1.53584E-06	5.75939E-05	0.000998295	0.001401453	0
2020 Dec	0.000959423	0.177685186	7.67539E-06	1.616819978	3.549865961	0.084486812	0.000151589	5.779565811	0.00138157	0.008826694	0.000733767	0.000176534	9.978E-05	0.137965068	1.53508E-06	5.75654E-05	0.0009978	0.001400758	0
2021 Jan	0.000959324	0.177666813	7.67459E-06	1.616652966	3.549499035	0.084478073	0.000151573	5.778967857	0.001381427	0.008825781	0.000733691	0.000176516	9.97697E-05	0.137950808	1.53492E-06	5.75594E-05	0.000997697	0.001400613	0
2021 Feb	0.000959393	0.177679524	7.67514E-06	1.616768599	3.549752951	0.084484123	0.000151584	5.779381275	0.001381525	0.008826412	0.000733744	0.000176528	9.97768E-05	0.137960672	1.53503E-06	5.75636E-05	0.000997768	0.001400713	0
2021 Mar	0.000959727	0.177741423	7.67782E-06	1.617331862	3.550989628	0.084513552	0.000151637	5.781394958	0.001382007	0.008829488	0.000733999	0.00017659	9.98116E-05	0.138008729	1.53556E-06	5.75836E-05	0.000998116	0.001401201	0
2021 Apr	0.000960411	0.177868038	7.68328E-06	1.61848402	3.553519249	0.084573761	0.000151745	5.785513878	0.001382991	0.008835779	0.000734522	0.000176716	9.98827E-05	0.138107046	1.53666E-06	5.76246E-05	0.000998827	0.0014022	0
2021 May	0.000969904	0.179626316	7.75924E-06	1.634483099	3.58864665	0.08540979	0.000153245	5.842704773	0.001396662	0.008923122	0.000741783	0.000178462	0.00010087	0.139472261	1.55185E-06	5.81943E-05	0.001008701	0.001416061	0
2021 Jun	0.000876695	0.162363932	7.01356E-06	1.477406621	3.243771791	0.077201769	0.000138518	5.281211376	0.001262441	0.008065594	0.000670496	0.000161312	9.11763E-05	0.126068756	1.40271E-06	5.26017E-05	0.000911763	0.001279975	0
2021 Jul	0.000866508	0.160477236	6.93206E-06	1.460238814	3.206078768	0.076304667	0.000136908	5.219842911	0.001247771	0.007971871	0.000662705	0.000159437	9.01168E-05	0.124603815	1.38641E-06	5.19905E-05	0.000901168	0.001265101	0
2021 Aug	0.000872707	0.161625251	6.98165E-06	1.470685124	3.229014158	0.076850541	0.000137888	5.257184029	0.001256697	0.0080289	0.000667446	0.000160578	9.07615E-05	0.12549521	1.39633E-06	5.23624E-05	0.000907615	0.001274152	0
2021 Sep	0.000823614	0.152533412	6.58892E-06	1.387955189	3.047373533	0.072527498	0.000130131	4.961453915	0.001186005	0.007577253	0.0006299	0.000151545	8.56559E-05	0.118435763	1.31778E-06	4.94169E-05	0.000856559	0.001202477	0
2021 Oct	0.00079278	0.146822914	6.34224E-06	1.335993409	2.933287144	0.069812231	0.000125259	4.775708675	0.001141604	0.007293579	0.000606318	0.000145872	8.24492E-05	0.114001803	1.26845E-06	4.75668E-05	0.000824491	0.001157459	0
2021 Nov	0.000793459	0.146948606	6.34767E-06	1.337136984	2.935798168	0.069871999	0.000125367	4.7797966	0.001142581	0.007299822	0.000606837	0.000145996	8.25197E-05	0.114099398	1.26953E-06	4.76075E-05	0.000825197	0.00115845	0
2021 Dec	0.000793762	0.147004634	6.35009E-06	1.337646961	2.936917782	0.06989865	0.000125414	4.781619549	0.001143017	0.007302607	0.000607069	0.000146052	8.25512E-05	0.114142917	1.27002E-06	4.76257E-05	0.000825512	0.001158892	0
2022 Jan	0.000793743	0.147001162	6.34994E-06	1.337615252	2.936848164	0.069896989	0.000125411	4.781506538	0.00114299	0.007302433	0.000607054	0.000146049	8.25492E-05	0.114140213	1.26999E-06	4.76246E-05	0.000825492	0.001158864	0
2022 Feb	0.000793732	0.146999255	6.34986E-06	1.337597966	2.936810017	0.06989608	0.00012541	4.78144455	0.001142975	0.007302338	0.000607047	0.000146047	8.25482E-05	0.114138722	1.26997E-06	4.76239E-05	0.000825482	0.001158849	0
2022 Mar	0.00079394	0.147037655	6.35152E-06	1.337947488	2.937577486	0.069914341	0.000125443	4.782693386	0.001143273	0.007304247	0.000607205	0.000146085	8.25697E-05	0.114168547	1.2703E-06	4.76364E-05	0.000825697	0.001159152	0
2022 Apr	0.000798733	0.147925392	6.38987E-06	1.346025348	2.955312967	0.070336454	0.0001262	4.811569214	0.001150176	0.007348346	0.000610871	0.000146967	8.30683E-05	0.114857845	1.27797E-06	4.7924E-05	0.000830683	0.001166151	0
2022 May	0.000809706	0.149957523	6.47765E-06	1.364516497	2.995912075	0.071302705	0.000127934	4.877668381	0.001165977	0.007449294	0.000619263	0.000148986	8.42094E-05	0.116435707	1.29553E-06	4.85824E-05	0.000842094	0.001182171	0
2022 Jun	0.000740352	0.137113273	5.92282E-06	1.247641921	2.739303827	0.065195434	0.000116976	4.459882736	0.001066107	0.006811242	0.000566221	0.000136225	7.69967E-05	0.106462672	1.18456E-06	4.44211E-05	0.000769967	0.001080914	0
2022 Jul	0.000601702	0.111435272	4.81362E-06	1.013988733	2.226298571	0.052985907	9.5069E-05	3.62465477	0.000866451	0.005535661	0.000460182	0.000110713	6.2577E-05	0.086524792	9.62724E-07	3.61021E-05	0.00062577	0.000878485	0
2022 Aug	0.00061098	0.113153428	4.88784E-06	1.029622912	2.260624647	0.053802866	9.65348E-05	3.680541277	0.000879811	0.005621012	0.000467277	0.00011242	6.35419E-05	0.087858871	9.77567E-07	3.66588E-05	0.000635419	0.00089203	0
2022 Sep	0.000587083	0.108727679	4.69666E-06	0.989351392	2.17220521	0.051698484	9.2759E-05	3.536585093	0.000845399	0.005401159	0.000449001	0.000108023	6.10566E-05	0.084422462	9.39332E-07	3.5225E-05	0.000610566	0.00085714	0
2022 Oct	0.000567069	0.105021149	4.53655E-06	0.955624461	2.098154783	0.049936082	8.95969E-05	3.416022778	0.000816579	0.005217033	0.000433694	0.000104341	5.89752E-05	0.081544504	9.0731E-07	3.40241E-05	0.000589752	0.000827921	0
2022 Nov	0.00056834	0.105256647	4.54672E-06	0.957767248	2.102859497	0.050048057	8.97978E-05	3.42368269	0.00081841	0.005228732	0.000434667	0.000104575	5.91074E-05	0.081727356	9.09345E-07	3.41004E-05	0.000591074	0.000829777	0
2022 Dec	0.000568516	0.105289146	4.54813E-06	0.958063006	2.103508711	0.050063509	8.98255E-05	3.424739599	0.000818663	0.005230346	0.000434801	0.000104607	5.91257E-05	0.081752583	9.09625E-07	3.4111E-05	0.000591257	0.000830033	0
2023 Jan	0.000568492	0.105284669	4.54793E-06	0.958022237	2.103419304	0.050061382	8.98217E-05	3.424594164	0.000818628	0.005230124	0.000434782	0.000104602	5.91231E-05	0.081749111	9.09587E-07	3.41095E-05	0.000591231	0.000829998	0
2023 Feb	0.000568483	0.105283007	4.54786E-06	0.958007097	2.103386164	0.050060589	8.98203E-05	3.424540043	0.000818615	0.005230041	0.000434776	0.000104601	5.91222E-05	0.081747822	9.09572E-07	3.4109E-05	0.000591222	0.000829985	0
2023 Mar	0.000568516	0.105289221	4.54813E-06	0.958063722	2.10351038	0.050063547	8.98256E-05	3.424742222	0.000818663	0.00523035	0.000434801	0.000104607	5.91257E-05	0.081752643	9.09626E-07	3.4111E-05	0.000591257	0.000830034	0
2023 Apr	0.000570434	0.105644338	4.56347E-06	0.961295009	2.110605001	0.050232396	9.01285E-05	3.436292887	0.000821425	0.005247991	0.000436268	0.00010496	5.93251E-05	0.082028374	9.12694E-07	3.4226E-05	0.000593251	0.000832833	0
2023 May	0.000573534	0.106218539	4.58827E-06	0.966519952	2.12207675	0.050505426	9.06184E-05	3.454970121	0.000825889	0.005276515	0.000438639	0.00010553	5.96476E-05	0.082474224	9.17655E-07	3.44121E-05	0.000596476	0.00083736	0
2023 Jun	0.000495535	0.091773145	3.96428E-06	0.835076153	1.833480716	0.04363684	7.82946E-05	2.985104799	0.000713571	0.004558925	0.000378985	9.11785E-05	5.15357E-05	0.071257979	7.92856E-07	2.97321E-05	0.000515357	0.000723482	0
2023 Jul	0.000468684	0.086800337	3.74947E-06	0.78982681	1.734131932	0.041272342	7.40521E-05	2.823354483	0.000674905	0.004311896	0.00035845	8.62379E-05	4.87432E-05	0.067396805	7.49895E-07	2.81211E-05	0.000487432	0.000684279	0
2023 Aug	0.000476404	0.088229962	3.81123E-06	0.802835524	1.762693644	0.041952111	7.52718E-05	2.869855881	0.000686021	0.004382913	0.000364354	8.76583E-05	4.9546E-05	0.068506852	7.62246E-07	2.85842E-05	0.00049546	0.000695549	0
2023 Sep	0.000470985	0.087226503	3.76788E-06	0.793704629	1.742646098	0.041474976	7.44157E-05	2.837216139	0.000678219	0.004333066	0.00036021	8.66613E-05	4.89825E-05	0.067727707	7.53577E-07	2.82591E-05	0.000489825	0.000687639	0
2023 Oct	0.00046368	0.085873522	3.70944E-06	0.781393949	1.715615749	0.040831655	7.32614E-05	2.793207645	0.000667699	0.004265855	0.000354622	8.53171E-05	4.82227E-05	0.066677175	7.41888E-07	2.78208E-05	0.000482227	0.000676973	0
2023 Nov	0.000464325	0.085993022	3.7146E-06	0.782480776	1.718003154	0.040888473	7.33634E-05	2.797094822	0.000668628	0.004271792	0.000355116	8.54358E-05	4.82898E-05	0.066769958	7.4292E-07	2.78595E-05	0.000482898	0.000677915	0
2023 Dec	0.00046443	0.086012483	3.71544E-06	0.782657862	1.718392015	0.040897727	7.338E-05	2.797727823	0.00066878	0.004272758	0.000355196	8.54552E-05	4.83007E-05	0.066785067	7.43088E-07	2.78658E-05	0.000483007	0.000678068	0
2024 Jan	0.000464391	0.086005211	3.71513E-06	0.782591701	1.718246579	0.04089427	7.33738E-05	2.797491312	0.000668723	0.004272397	0.000355166	8.54479E-05	4.82967E-05	0.06677942	7.43026E-07	2.78635E-05	0.000482967	0.000678011	0
2024 Feb	0.000464371	0.08600159	3.71497E-06	0.782558739	1.718174338	0.040892549	7.33707E-05	2.797373533	0.000668695	0.004272217	0.000355151	8.54443E-05	4.82946E-05	0.066776611	7.42994E-07	2.78623E-05	0.000482946	0.000677982	0
2024 Mar	0.000464815	0.086083762	3.71852E-06	0.78330642	1.719815969	0.04093162	7.34408E-05	2.800046206	0.000669334	0.004276299	0.000355491	8.5526E-05	4.83408E-05	0.066840418	7.43704E-07	2.78889E-05	0.000483408	0.00067863	0
2024 Apr	0.000465718	0.086250909	3.72574E-06	0.784827411	1.723155379	0.041011099	7.35834E-05	2.805483341	0.000670633	0.004284603	0.000356181	8.56921E-05	4.84346E-05	0.066970199	7.45148E-07	2.79431E-05	0.000484346	0.000679948	0
2024 May	0.000457859	0.084795401	3.66287E-06	0.771583259	1.694076538	0.040319026	7.23417E-05	2.758140087	0.000659316	0.004212299	0.00035017	8.4246E-05	4.76173E-05	0.065840058	7.32574E-07	2.74715E-05	0.000476173	0.000668473	0
2024 Jun	0.000384706	0.071247622	3.07765E-06	0.648307264	1.423413754	0.033877246	6.07836E-05	2.317471504	0.000553977	0.003539299	0.000294223	7.0786E-05	4.00095E-05	0.055320784	6.1553E-07	2.30824E-05	0.000400095	0.000561671	0
2024 Jul	0.000396189	0.073374256	3.16951E-06	0.66765815	1.465900302	0.034888428	6.25979E-05	2.386644363	0.000570513	0.003644941	0.000303006	7.28988E-05	4.12037E-05	0.056972019	6.33903E-07	2.37714E-05	0.000412037	0.000578436	0
2024 Aug	0.000402654	0.074571528	3.22123E-06	0.678552628	1.489820123	0.035457715	6.36193E-05	2.425587893	0.000579822	0.003704417	0.00030795	7.40883E-05	4.1876E-05	0.057901654	6.44246E-07	2.41592E-05	0.00041876	0.000587875	0
2024 Sep	0.000385962	0.071480155	3.0877E-06	0.65042311	1.42805934	0.033987813	6.0982E-05	2.325034857	0.000555785	0.00355085	0.000295184	7.1017E-05	4.014E-05	0.055501331	6.17539E-07	2.31577E-05	0.0004014	0.000563505	0
2024 Oct	0.000379688	0.070318259	3.03751E-06	0.639850557	1.40484643	0.033435345	5.99907E-05	2.287241936	0.000546751	0.003493132	0.000290386	6.98626E-05	3.94876E-05	0.05459917	6.07501E-07	2.27813E-05	0.000394876	0.000554345	0
2024 Nov	0.000376397	0.069708675	3.01117E-06	0.634303808	1.39266789	0.033145498	5.94707E-05	2.267414093	0.000542011	0.00346285	0.000287868	6.9257E-05	3.91453E-05	0.054125849	6.02235E-07	2.25838E-05	0.000391453	0.000549539	0
2024 Dec	0.000376482	0.06972453	3.01186E-06	0.634447992	1.392984509	0.033153031	5.94842E-05	2.267929554	0.000542135	0.003463637	0.000287934	6.92727E-05	3.91542E-05	0.054138158	6.02372E-07	2.25889E-05	0.000391542	0.000549664	0
2025 Jan	0.000376439	0.069716536	3.01151E-06	0.634375393	1.392825007	0.033149239	5.94774E-05	2.267669916	0.000542072	0.003463241	0.000287901	6.92648E-05	3.91497E-05	0.054131959	6.02303E-07	2.25864E-05	0.000391497	0.000549601	0
2025 Feb	0.00037645	0.069718592	3.0116E-06	0.63439399	1.392866015	0.033150211	5.94791E-05	2.267736435	0.000542088	0.003463343	0.000287909	6.92669E-05	3.91508E-05	0.054133549	6.0232E-07	2.2587E-05	0.000391508	0.000549617	0
2025 Mar	0.000376507	0.069729112	3.01206E-06	0.634489775	1.393076181	0.033155214	5.94881E-05	2.268078804	0.00054217	0.003463865	0.000287953	6.92773E-05	3.91567E-05	0.054141719	6.02411E-07	2.25904E-05	0.000391567	0.0005497	0
2025 Apr	0.000376853	0.069793195	3.01482E-06	0.635072887	1.394356489	0.033185687	5.95428E-05	2.270163059	0.000542669	0.003467049	0.000288217	6.9341E-05	3.91927E-05	0.054191478	6.02965E-07	2.26112E-05	0.000391927	0.000550206	0

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.000382749	0.070885047	3.06199E-06	0.645008028	1.416170001	0.033704847	6.04743E-05	2.305677891	0.000551158	0.003521288	0.000292726	7.04258E-05	3.98059E-05	0.055039257	6.12398E-07	2.29649E-05	0.000398059	0.000558813	0
2025 Jun	0.000317408	0.058784004	2.53927E-06	0.534896374	1.174410462	0.027950969	5.01505E-05	1.912067175	0.000457068	0.002920156	0.000242754	5.84031E-05	3.30105E-05	0.045643304	5.07853E-07	1.90445E-05	0.000330105	0.000463416	0
2025 Jul	0.000429457	0.050687619	3.24175E-06	1.134389162	1.406874418	0.024975147	0.000475035	13.1718359	0.001067197	0.00463707	0.000182539	0.000121054	4.0146E-05	0.081990488	8.1755E-07	0.000158446	0.00038824	0.000622697	0.000173645
2025 Aug	0.000739006	0.059824146	5.02362E-06	3.249454975	2.507810831	0.034538358	0.001133514	42.96866226	0.002545513	0.007664491	0.000214969	0.000280595	8.52291E-05	0.162319943	1.41998E-06	0.000457122	0.000611181	0.001011782	0.00061407
2025 Sep	0.001311738	0.060679231	7.29416E-06	28.78841019	14.33067989	0.108518466	0.007737996	772.2893066	0.007812398	0.114534229	0.000255365	0.00170102	0.000759571	2.162496328	1.11281E-05	0.001150391	0.001434675	0.00596833	0.013501626
2025 Oct	0.001814878	0.06263788	8.73809E-06	83.09897614	30.90626335	0.160034046	0.023281848	2490.563477	0.014868631	0.374188423	0.000257461	0.004754955	0.00220697	6.864775181	1.89208E-05	0.001432003	0.003077009	0.017910678	0.045279406
2025 Nov	0.001916475	0.062467981	8.68288E-06	115.7462006	37.39721298	0.15590249	0.03303495	3568.037598	0.018023057	0.541148186	0.000249747	0.006626085	0.003082347	9.822649956	2.01712E-05	0.001286874	0.004026381	0.025466487	0.065697894
2025 Dec	0.001958997	0.061041683	8.51106E-06	144.4857635	43.99209976	0.160866842	0.041556563	4522.772461	0.020632554	0.689484775	0.000235834	0.008257574	0.00385954	12.45390224	2.24755E-05	0.0011268	0.004826025	0.032134686	0.083698742
2026 Jan	0.002012995	0.060184121	8.41042E-06	171.1552734	50.1523056	0.166779011	0.047432475	5407.850098	0.023229448	0.78681922	0.00022466	0.009847515	0.004395359	14.89319229	2.48065E-05	0.000984833	0.005611042	0.03862134	0.100380652
2026 Feb	0.002071326	0.059789903	8.37086E-06	194.3171844	55.53406906	0.172898859	0.051017422	6175.791992	0.025618069	0.841212332	0.000216243	0.011285168	0.004722145	17.00966263	2.6977E-05	0.000867017	0.006325139	0.044478051	0.114850298
2026 Mar	0.00211721	0.059514381	8.34798E-06	211.9761047	59.64619446	0.177663282	0.053769495	6760.987793	0.02744497	0.883027673	0.000210062	0.012380498	0.004973115	18.62238312	2.86395E-05	0.000779105	0.006869639	0.0489383	0.12587513
2026 Apr	0.002160915	0.059451692	8.35402E-06	226.9690552	63.16800308	0.182065219	0.056167386	7256.992676	0.029013503	0.919653714	0.000205685	0.013308151	0.005192032	19.98920631	3.00765E-05	0.000710197	0.007332824	0.052710794	0.135215089
2026 May	0.002226888	0.061128266	8.47895E-06	240.0292816	66.3302002	0.187725931	0.058331963	7684.335938	0.030497203	0.952497363	0.000212788	0.014115373	0.00539068	21.16618538	3.13715E-05	0.000678538	0.007754873	0.055960875	0.1432475
2026 Jun	0.002158184	0.071945205	9.5426E-06	161.126709	48.57866287	0.227303088	0.038088705	5065.433105	0.023568403	0.609993994	0.000287214	0.009453167	0.003528861	14.20505333	4.4244E-05	0.001263317	0.005591025	0.036963798	0.093601421
2026 Jul	0.002321376	0.070895299	1.05394E-05	162.2135773	51.01478958	0.26156339	0.037584778	5071.578613	0.024604268	0.597857237	0.000285592	0.009519354	0.003507501	14.2815733	5.12976E-05	0.001524245	0.005641756	0.036971934	0.093393087
2026 Aug	0.002609813	0.069175906	1.14896E-05	175.6946411	62.0271492	0.329768151	0.038974095	5427.147949	0.027727688	0.609730065	0.000303141	0.01019735	0.003725055	15.13093758	5.39968E-05	0.00196188	0.006029374	0.039185595	0.099029198
2026 Sep	0.002935277	0.064059854	1.20787E-05	199.138382	75.78471375	0.398316056	0.04186856	6086.676758	0.032086328	0.64203018	0.000326661	0.011434617	0.004103134	16.7422924	5.48791E-05	0.002430209	0.006663465	0.043365955	0.110301383
2026 Oct	0.002981176	0.060475927	1.22804E-05	176.8801117	73.05722809	0.404958695	0.036252148	5316.355469	0.030550679	0.546462357	0.000341485	0.010142094	0.003633747	14.55813694	5.03125E-05	0.002730436	0.005988438	0.037948467	0.095584378
2026 Nov	0.002896474	0.060077574	1.14039E-05	213.7989044	79.23670959	0.380440801	0.044512179	6584.505859	0.033169534	0.686725914	0.000306328	0.012393055	0.004350272	18.03796196	4.8752E-05	0.002237411	0.007074513	0.047536641	0.119830176
2026 Dec	0.002814278	0.059536252	1.08127E-05	236.6029968	81.13188171	0.350279838	0.049769398	7383.057617	0.034525525	0.776596844	0.000280323	0.013825085	0.004789932	20.25551796	4.72848E-05	0.001857747	0.00775015	0.053634934	0.135359734
2027 Jan	0.002756959	0.059231028	1.03905E-05	253.7796478	82.58417511	0.328064561	0.053345703	7983.682617	0.035570618	0.833965898	0.000261539	0.014904409	0.005086932	21.92397499	4.62603E-05	0.00157803	0.008260753	0.058222424	0.147036836
2027 Feb	0.002719291	0.059100244	1.00973E-05	266.7274475	83.7719574	0.312335283	0.055707879	8435.0625	0.036390577	0.868251324	0.000248244	0.015717093	0.005281718	23.17746544	4.55847E-05	0.00137594	0.008647047	0.06166834	0.15579994
2027 Mar	0.002693096	0.059033535	9.88471E-06	276.6791382	84.73313904	0.300757498	0.057529137	8781.290039	0.037036564	0.894736052	0.00023841	0.016340867	0.005432472	24.13872147	4.51142E-05	0.001225122	0.008944375	0.06430915	0.162515059
2027 Apr	0.002685813	0.059279881	9.76315E-06	286.2267151	85.95861816	0.292902619	0.059312467	9109.041016	0.037756007	0.920973897	0.000231632	0.016934063	0.005583596	25.04740715	4.49672E-05	0.001108759	0.009233107	0.066795014	0.16883105
2027 May	0.002741433	0.060881	9.83739E-06	296.8132324	87.831604	0.290971965	0.061298043	9455.259766	0.038939711	0.949816048	0.00024096	0.017581359	0.00576142	25.99654579	4.52515E-05	0.001069161	0.009572722	0.069382817	0.175422251
2027 Jun	0.002467051	0.059550766	1.03578E-05	212.6767273	64.30704498	0.271018058	0.043028843	6703.433594	0.030273398	0.649845362	0.000240399	0.01256024	0.004049115	18.63941574	5.04271E-05	0.001407386	0.00708892	0.048345551	0.123960167
2027 Jul	0.002512605	0.060869504	1.10475E-05	201.7054749	62.54193878	0.289764524	0.040511362	6336.681641	0.029528661	0.607450247	0.000235878	0.01189597	0.003818312	17.71129799	5.58463E-05	0.001554765	0.006790646	0.045557644	0.116900362
2027 Aug	0.002791587	0.062019609	1.1896E-05	214.6786652	71.46632385	0.348239094	0.042266499	6684.771973	0.032501444	0.626135588	0.000268183	0.012541499	0.004055359	18.56953812	5.86897E-05	0.001901523	0.00717808	0.04762502	0.122636341
2027 Sep	0.003210282	0.059749264	1.28645E-05	191.6493073	77.98867035	0.445756167	0.035670605	5720.942871	0.034045614	0.507482886	0.000362032	0.010858502	0.003636179	15.59842587	5.67611E-05	0.002895275	0.006417253	0.039822951	0.102758065
2027 Oct	0.003149932	0.061345164	1.1852E-05	203.3921204	83.67362976	0.451213211	0.037989285	6106.89502	0.034935292	0.546775103	0.000353893	0.011489364	0.003861798	16.51280975	5.03721E-05	0.002696783	0.006752624	0.043073539	0.109665602
2027 Nov	0.002989681	0.061711218	1.09947E-05	231.3625641	86.01063538	0.406780958	0.044334594	7110.927734	0.036039513	0.652491927	0.000310118	0.01327852	0.004376636	19.31694603	4.73316E-05	0.002144445	0.007587193	0.050990112	0.129234955
2027 Dec	0.002902791	0.061063271	1.04916E-05	253.1349945	87.03246307	0.371200174	0.049219321	7884.073242	0.037125971	0.732786596	0.000285162	0.014683695	0.004774753	21.49407578	4.61683E-05	0.001775262	0.008238956	0.056993917	0.144394934
2028 Jan	0.002833585	0.060568579	1.01343E-05	268.1787415	87.76376343	0.346337646	0.053228412	8419.819336	0.037738215	0.793553054	0.000266205	0.015601092	0.005107046	23.00577927	4.53535E-05	0.001516141	0.008660194	0.060938563	0.154899329
2028 Feb	0.00278395	0.060177613	9.88194E-06	278.9178162	88.39865112	0.329246104	0.056676909	8800.527344	0.038109716	0.841480196	0.000253238	0.016201532	0.005399057	24.07888603	4.47575E-05	0.001340213	0.008934333	0.063526556	0.162348509
2028 Mar	0.002746091	0.059859101	9.68859E-06	287.2637634	88.90695953	0.316113532	0.05934969	9096.169922	0.038404316	0.878638625	0.000243211	0.016668288	0.005625512	24.91202545	4.43073E-05	0.001204737	0.009147574	0.065536939	0.168131098
2028 Apr	0.002724329	0.059785295	9.56297E-06	295.0297241	89.61862183	0.306455851	0.061727449	9367.657227	0.038772892	0.911875069	0.000235813	0.01710462	0.00582897	25.67467308	4.40884E-05	0.001098294	0.009351949	0.067395337	0.173408523
2028 May	0.002743086	0.060478512	9.5829E-06	305.2323608	91.34978485	0.302403927	0.064483143	9711.575195	0.039587948	0.950963259	0.000233257	0.017684311	0.006072013	26.63189507	4.44637E-05	0.001026655	0.0096411	0.06978903	0.179982767
2028 Jun	0.002570855	0.059189379	1.02335E-05	218.8594055	67.42406464	0.280857652	0.045217589	6916.098145	0.03091434	0.644241869	0.000260392	0.012716996	0.004286796	19.19762611	4.94597E-05	0.001295314	0.007159712	0.048110563	0.12778388
2028 Jul	0.002817945	0.060901303	1.07699E-05	190.2423706	61.07395554	0.286132425	0.039258767	5988.730957	0.029414361	0.544670224	0.00034991	0.011222517	0.003761694	16.71456909	4.99346E-05	0.001483036	0.006514693	0.041106585	0.110296644
2028 Aug	0.00335486	0.06483531	1.12534E-05	189.2702332	62.73768997	0.299169838	0.039713621	5963.813477	0.03165248	0.539563715	0.000504092	0.011446834	0.003853139	16.61916733	4.64403E-05	0.00162281	0.006803711	0.040884543	0.10968326
2028 Sep	0.003664556	0.063304231	1.19247E-05	158.2952118	61.1255455	0.346326172	0.03299531	4870.475586	0.030872397	0.432881147	0.00058438	0.009623296	0.003348461	13.5136261	4.50921E-05	0.002120802	0.00589668	0.032895315	0.088393427
2028 Oct	0.003702973	0.062191393	1.22928E-05	132.9669189	63.88654709	0.419686794	0.026301822	3851.367676	0.030296328	0.337124616	0.000576256	0.007662084	0.002868596	10.43580818	4.71199E-05	0.002845988	0.004789767	0.025477134	0.067741506
2028 Nov	0.003436602	0.062616028	1.15099E-05	168.6417999	69.94644165	0.391871154	0.035074666	5073.73291	0.031792961	0.47330153	0.000489897	0.009652404	0.003601581	13.79410362	4.47905E-05	0.002394427	0.005754917	0.034571026	0.091121264
2028 Dec	0.003287352	0.061808437	1.10044E-05	196.5584412	73.50862885	0.365373284	0.041937001	6034.945313	0.033153947	0.57893914	0.000440444	0.01126926	0.004178619	16.46874619	4.41908E-05	0.002055011	0.006522471	0.041651398	0.109658495
2029 Jan	0.003174449	0.061165404	1.06233E-05	217.1970978	76.08451843	0.345073462	0.047361538	6745.787109	0.034096312	0.660018444	0.000404039	0.012434195	0.004637988	18.44769287	4.3689E-05	0.00180329	0.007073661	0.046759546	0.123374924
2029 Feb	0.00309188	0.060668949	1.03439E-05	232.2721863	78.00538635	0.330385566	0.051652469	7264.394531	0.034742609	0.721934259	0.000377907	0.013254167	0.005005105	19.89121628	4.33017E-05	0.001622915	0.00746079	0.050360207	0.133376539
2029 Mar	0.003026399	0.060269352	1.01222E-05	244.4482422	79.57105255	0.318679184	0.055113774	7683.056152	0.035271917	0.771872461	0.000356988	0.013916629	0.005301422	21.05642128	4.30037E-05	0.001478532	0.007773785	0.053266823	0.141448617
2029 Apr	0.002974618	0.060000498	9.94662E-06	255.1570282	81.01288605	0.309126079	0.058138523	8050.293945	0.035770644	0.815481007	0.000339615	0.014500091	0.005561156	22.07805634	4.28077E-05	0.001357449	0.008051007	0.055816274	0.148520187
2029 May	0.00297578	0.060444932	9.90915E-06	266.0477905	82.83362579	0.304270446	0.061060913	8411.209961	0.036613807	0.856964409	0.000334208	0.015095547	0.005819117	23.07216072	4.29218E-05	0.001294151	0.008350109	0.058305833	0.15541485
2029 Jun	0.003026916	0.062018342	1.04001E-05	232.8171997	72.44126129	0.293639749	0.051008299	7314.881836	0.033924006	0.689052582	0.000392149	0.013214758	0.004922045	20.15811348	4.69139E-05	0.001475783	0.00738945	0.048464235	0.135043725
2029 Jul	0.002584769	0.06005672	1.0741E-05	168.3253326	54.23604965	0.272420704	0.036226396	5251.105957	0.026037114	0.484297037	0.000311316	0.009553721	0.003513098	14.71179962	5.28605E-05	0.001460666	0.005447515	0.034437224	0.096560664
2029 Aug	0.002861297	0.061776415	1.15981E-05	179.1006927	61.40013123	0.32092917	0.038321473	5543.128906	0.028681604	0.50850004	0.000343557	0.010087541	0.003765607	15.44307232	5.55835E-05	0.001746495	0.005781824	0.036129419	0.101457931
2029 Sep	0.00332085	0.061531924	1.23746E-05	191.1771393	71.83235168	0.388535798	0.040151708	5818.089844	0.03292869	0.522293329	0.000408938	0.010604202	0.004048076	15.96767426	5.5277E-05	0.002235102	0.006157137	0.037267756	0.105653934
2029 Oct	0.00331078	0.063585483	1.15628E-05	207.6498566	78.01412964	0.394786865	0.043883324	6281.89502	0.035047002	0.571534634	0.000397717	0.011258694	0.004401605	16.96831322	4.65244E-05	0.00227162	0.006584224	0.040257491	0.113943093
2029 Nov	0.003274315	0.062937461	1.09785E-05	231.8309174	81.16629791	0.370672733	0.050801046	7079.640625	0.036865465	0.67730546	0.000392456	0.0126346	0.005003556	19.12799644	4.33829E-05	0.002098793	0.007270753	0.046485435	0.129274383
2029 Dec	0.003134469	0.0618033	1.04819E-05	253.5033875	83.47244263	0.343790948	0.057065234	7850.730957	0.037505541	0.77309972	0.000354733	0.013913164	0.00552911	21.31235123	4.28138E-05	0.00177281	0.007859726	0.052279364	0.144221708
2030 Jan	0.003025278	0.061003454	1.01147E-05	269.1854248	85.09304047	0.323588341	0.061783969	8411.21875	0.037876379	0.842914581	0.000325808	0.014819809	0.005926509	22.90362549	4.23934E-05	0.001527635	0.008274096	0.056409441	0.15509522
2030 Feb	0.00294848	0.060446497	9.85549E-06	280.6067505	86.33062744	0.30936107	0.065361276	8818.170898	0.038140472	0.893560231	0.000305494	0.015460044	0.006230954	24.0580101	4.20998E-05	0.00135489	0.008566871	0.059324723	0.162982032
2030 Mar	0.002890102	0.060017936	9.6582E-06	289.6036682	87.33081055	0.298444748	0.068168849	9138.200195	0.038362991	0.933293104	0.000289804	0.015964251	0.006470194	24.96536446	4.18913E-05	0.001221395	0.008798008	0.061615445	0.169180632
2030 Apr	0.00284673	0.059759155	9.51131E-06	297.6241455	88.32312775	0.289896309	0.070631072	9421.368164	0.038618401	0.968080819	0.000277242	0.016413247	0.006681213	25.76647949	4.17943E-05	0.001112487	0.009006482	0.063635334	0.174650997
2030 May	0.002854047	0.060427833	9.5308E-06	308.6109009	90.43157196	0.287080884	0.073697753	9792.818359	0.039405487	1.010933638	0.000271405	0.017024517	0.00695339	26.80377769	4.23181E-05	0.00104077	0.009310994	0.066231936	0.181719407
2030 Jun	0.002617129	0.061691333	1.04652E-05	228.9787292	68.65302277	0.269562751	0.051774256	7233.292969	0.031090982	0.686790287	0.000276272	0.012676649	0.004950353	20.04347801	4.99239E-05	0.00118419	0.007002916	0.047184113	0.133997142
2030 Jul	0.002645613	0.06077924	1.11588E-05	196.9320831	61.82972717	0.281529009	0.042775642	6162.949707	0.02864635	0.551618457	0.00028024	0.01087519	0.004146349	17.15558052	5.41441E-05	0.001381489	0.00608488	0.039399054	0.113734186
2030 Aug	0.003038394	0.062625542	1.19368E-05	212.0703125	71.38251495	0.344869763	0.045485802	6570.367676	0.032508619	0.579663992	0.00033658	0.011601481	0.004473941	18.14198875	5.71426E-05	0.001737229	0.006566409	0.041667093	0.120558485
2030 Sep	0.003309236	0.06279964	1.21052E-05	245.7963409	83.5313797	0.385495782	0.052754194	7634.8125	0.036825955	0.665530622	0.000362794	0.01338023	0.005190473	20.96051407	5.73121E-05	0.001836736	0.007531147	0.047988098	0.14005731
2030 Oct	0.003291614	0.063120879	1.17575E-05	228.3488617	83.55014801	0.410903752	0.049318824	7005.683105	0.035879392	0.624680281	0.000360559	0.012286506	0.004907619	19.063097	5.08914E-05	0.002009041	0.007029177	0.04459827	0.127663508
2030 Nov	0.003141329	0.063196912	1.09794E-05	241.8449402	86.19624329	0.398262948	0.054132611	7464.940918	0.036315329	0.703389585	0.000335373	0.013004265	0.005321215	20.27431488	4.65654E-05	0.001832096	0.00738672	0.048496485	0.136364162
2030 Dec	0.003021089	0.062040854	1.04862E-05	261.8022461	87.94046783	0.368932396	0.060211774	8169.512695	0.03697402	0.794644058	0.000306467	0.014164722	0.005832982	22.25998878	4.5522E-05	0.001556803	0.007929021	0.053729016	0.150049224
2031 Jan	0.002930469	0.061221652	1.01246E-05	276.8034058	89.0930481	0.345431775	0.06493827	8699.699219	0.037419401	0.860024273	0.000285107	0.015020388	0.006231267	23.75675011	4.47139E-05	0.001347494	0.00832691	0.057581991	0.160368651
2031 Feb	0.002866112	0.060655817	9.86659E-06	288.0742493	90.04164886	0.328556359	0.068606719	9096.658203	0.037754413	0.905852675	0.000269849	0.015643798	0.006542624	24.87643433	4.4147E-05	0.001196804	0.008617324	0.06038475	0.168084085
2031 Mar	0.002817032	0.060214411	9.66907E-06	296.9376831	90.81098175	0.315548182	0.071482442	9408.450195	0.038028356	0.94179517	0.00025803	0.016133947	0.006786955	25.75559616	4.37225E-05	0.001080135	0.008846016	0.062584698	0.174141034
2031 Apr	0.002789943	0.060125884	9.55122E-06	305.7654114	91.89180756	0.306231052	0.074225582	9713.875	0.038442697	0.976307511	0.000249467	0.016620714	0.0070235	26.61295128	4.35797E-05	0.000988515	0.009079506	0.064721093	0.180032462
2031 May	0.002813444	0.064767726	9.6456E-06	309.2783203	91.86994171	0.300260037	0.075415157	9825.84375	0.038730662	0.98971802	0.000275472	0.016814811	0.007127634	26.91983223	4.29462E-05	0.000987585	0.009199428	0.065548755	0.182253763
2031 Jun	0.002695653	0.084649287	1.06737E-05	219.6457825	68.1028595	0.297071397	0.051713038	6911.404785	0.030223608	0.663255155	0.000394411	0.011998445	0.004939978	19.19394684	5.13568E-05	0.00127961	0.006841564	0.045679871	0.127730429
2031 Jul	0.002796822	0.08235874	1.12666E-05	215.6977997	67.63302612	0.305394113	0.049707297	6767.130371	0.030456388	0.622031808	0.000390345	0.011791984	0.004757805	18.82051277	5.37123E-05	0.001436268	0.006777546	0.044518724	0.12494126
2031 Aug	0.002851386	0.0666003	1.11775E-05	181.6438446	63.16191101	0.324815273	0.041449297	5587.32666	0.028859762	0.509507656	0.000391186	0.009938177	0.004065114	15.43148136	4.84865E-05	0.001857918	0.005788037	0.036766984	0.102318607
2031 Sep	0.003968194	0.051087771	1.42709E-05	124.0069656	57.36173248	0.390935987	0.025989976	3385.680664	0.032092754	0.284992456	0.000618138	0.006919131	0.002876949	8.936964035	4.30627E-05	0.003678541	0.004369668	0.021752708	0.059743807
2031 Oct	0.004391476	0.055271603	1.59254E-05	122.8482895	63.39560318	0.453495055	0.025236314	3180.151123	0.035480943	0.266630977	0.000685449	0.006727302	0.0028924	8.115219116	3.97756E-05	0.004574121	0.004435445	0.020185571	0.054861389
2031 Nov	0.004187875	0.056263961	1.46607E-05	161.0630798	71.62618256	0.447466016	0.035397012	4479.006836	0.037370142	0.406149447	0.000630861	0.008708199	0.003782472	11.69670963	3.97198E-05	0.004117524	0.005418029	0.028950561	0.079397149
2031 Dec	0.003953362	0.056305084	1.37819E-05	188.6127625	75.133461	0.417230725	0.043264531	5467.285156	0.037767358	0.515689671	0.000568455	0.010216676	0.004443706	14.50260162	3.98127E-05	0.003591612	0.006118075	0.035768721	0.098442517
2032 Jan	0.003769891	0.056326874	1.31001E-05	209.9669495	77.73003387	0.392532796	0.049461652	6233.979004	0.038034469	0.601388454	0.000520194	0.011375899	0.004965911	16.68104744	3.98377E-05	0.003181597	0.006654222	0.041009679	0.113234289
2032 Feb	0.003630103	0.056336369	1.25801E-05	226.3555298	79.74311829	0.373712093	0.054297864	6821.808594	0.038230304	0.667680264	0.000483557	0.012253121	0.00537591	18.35085678	3.98496E-05	0.002870113	0.007059732	0.044977054	0.124572515
2032 Mar	0.003517854	0.056345835	1.21621E-05	239.7677155	81.41110229	0.358553618	0.058250733	7302.359863	0.038404845	0.721832097	0.000453923	0.012971081	0.005711328	19.71549797	3.98752E-05	0.002618101	0.007392077	0.048219875	0.133838728

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.003432364	0.05650055	1.1841E-05	251.8179779	83.05345154	0.346685112	0.061767589	7730.522461	0.038660038	0.769797981	0.000430016	0.013616516	0.006011891	20.92850876	4.00082E-05	0.00241155	0.007694666	0.051106177	0.1420753
2032 May	0.003409934	0.057468712	1.17192E-05	264.8825073	85.40746307	0.341239452	0.065413401	8176.795898	0.039389532	0.818503678	0.000418409	0.014315598	0.006333357	22.17760277	4.05479E-05	0.002277438	0.008041012	0.054095183	0.150580883
2032 Jun	0.002975495	0.059770692	1.24603E-05	187.3031006	62.08042526	0.314325094	0.045133892	5670.15625	0.030669807	0.557331502	0.00037306	0.010137427	0.004399522	15.59834671	4.93106E-05	0.002424999	0.005881785	0.037896074	0.10395173
2032 Jul	0.00270789	0.055715997	1.31506E-05	139.5370636	49.44778252	0.305713177	0.032789484	4126.129395	0.025423799	0.392961711	0.000300447	0.007563718	0.003208554	11.49758148	5.27465E-05	0.002585057	0.004578806	0.02780905	0.074978732
2032 Aug	0.002929992	0.055188529	1.49195E-05	139.7619476	52.14444733	0.338641644	0.032619923	4060.928711	0.026988151	0.380704552	0.000311352	0.007593613	0.003217497	11.27539444	5.36043E-05	0.003165449	0.004663707	0.027224893	0.073384285
2032 Sep	0.002882365	0.052094892	1.47861E-05	140.8907776	53.61182785	0.345095694	0.032885395	4091.914551	0.027059672	0.382226229	0.000296026	0.007625995	0.003254331	11.30827522	5.10461E-05	0.003215108	0.00466098	0.027288241	0.0738267
2032 Oct	0.002742219	0.050024137	1.35748E-05	152.8974304	56.19914627	0.332621902	0.036120418	4520.538574	0.027219633	0.427046806	0.000274008	0.008225809	0.003547986	12.43985462	4.73257E-05	0.002876258	0.004917247	0.030047167	0.081970654
2032 Nov	0.002778807	0.051053599	1.30444E-05	173.8048859	60.63996887	0.326790124	0.041710205	5210.976074	0.028958736	0.501954019	0.000282773	0.009329943	0.004062698	14.30064774	4.60408E-05	0.002686983	0.005473739	0.034578178	0.095047131
2032 Dec	0.002789278	0.051735256	1.25609E-05	189.27771	64.09580231	0.323224932	0.045868926	5725.875	0.030164756	0.558140635	0.000286139	0.010141221	0.004445815	15.68634605	4.4874E-05	0.002521055	0.005880763	0.037955876	0.104780465
2033 Jan	0.002757691	0.052135158	1.21825E-05	204.4819489	66.98545074	0.31442523	0.050220069	6250.686035	0.030983975	0.615900993	0.000275842	0.010951368	0.004834399	17.13836098	4.44747E-05	0.00232477	0.006272766	0.041413601	0.114777759
2033 Feb	0.002731673	0.052465089	1.18789E-05	216.9710541	69.31267548	0.306721479	0.053878371	6681.659668	0.031634279	0.663168848	0.000267547	0.011605991	0.005161233	18.33164406	4.41446E-05	0.002165209	0.006588904	0.044206016	0.122993529
2033 Mar	0.002712079	0.05278324	1.16292E-05	227.99646	71.39619446	0.30036974	0.057097483	7061.253906	0.032230295	0.704725206	0.000260616	0.012184198	0.005449187	19.38249779	4.39079E-05	0.002029748	0.006869069	0.046666514	0.130225345
2033 Apr	0.002707431	0.053316224	1.14589E-05	239.1139374	73.63458252	0.296058565	0.060297415	7440.18457	0.032928083	0.745876014	0.000255562	0.01276834	0.005737084	20.4307003	4.39067E-05	0.001916666	0.007156741	0.049127031	0.137423605
2033 May	0.002669184	0.065498449	1.13954E-05	233.1520996	71.08088684	0.284413755	0.058651365	7230.128906	0.031855483	0.72509867	0.000332898	0.012398271	0.005600172	19.8186245	4.09839E-05	0.001904411	0.00698611	0.047703393	0.133607581
2033 Jun	0.002496215	0.077510707	1.16418E-05	172.7009125	55.76941681	0.300106317	0.042038117	5231.800781	0.026146378	0.515770197	0.000401781	0.00908115	0.004085771	14.4769249	4.92732E-05	0.002133953	0.005304084	0.034640796	0.095931768
2033 Jul	0.002709452	0.078463398	1.39557E-05	164.8669891	55.93559647	0.333969891	0.039069839	4912.141602	0.026945958	0.463649631	0.000393966	0.008696006	0.003836237	13.61722755	5.47147E-05	0.002705293	0.005137167	0.032497369	0.089531429
2033 Aug	0.002837871	0.076368846	1.56956E-05	170.470871	59.43852615	0.357004672	0.040409282	5053.430176	0.028267074	0.470759779	0.000384797	0.009053492	0.003990176	13.97528076	5.43676E-05	0.003191322	0.005295733	0.033311054	0.091876335
2033 Sep	0.002970961	0.064412169	1.61412E-05	149.1360321	58.89923477	0.404541135	0.033666536	4223.755859	0.028434006	0.379585594	0.000357635	0.007655614	0.003452347	11.4549427	5.20155E-05	0.003664793	0.004623458	0.027306689	0.075540096
2033 Oct	0.002933544	0.060657468	1.41833E-05	126.4789734	60.70835876	0.464943379	0.025903074	3323.801514	0.027355423	0.284008652	0.000415449	0.005933804	0.002873251	8.557175636	4.19401E-05	0.003878006	0.003787839	0.020683704	0.057461429
2033 Nov	0.002918676	0.061388049	1.33991E-05	150.072403	68.95160675	0.485117048	0.03254433	4135.416016	0.029187288	0.372001261	0.000396533	0.007159336	0.003485283	10.77340794	4.1584E-05	0.003587761	0.004434674	0.025995618	0.072460316
2033 Dec	0.00287403	0.060913686	1.28985E-05	171.2406616	72.00271606	0.461722434	0.038880698	4886.22998	0.030243028	0.455275983	0.000374795	0.008352106	0.004031957	12.89622879	4.14929E-05	0.003272255	0.005014113	0.03101401	0.086926788
2034 Jan	0.002832276	0.060492598	1.24734E-05	189.0158539	74.35873413	0.439835995	0.044327449	5518.16748	0.031067032	0.525731802	0.000356249	0.00934696	0.00450171	14.68584919	4.13467E-05	0.003001194	0.005494384	0.035200179	0.09913066
2034 Feb	0.002798615	0.060152736	1.21329E-05	203.3755951	76.27655029	0.422272801	0.048823483	6028.195313	0.031720392	0.58277297	0.000341444	0.010139869	0.004891195	16.12990952	4.12252E-05	0.002784563	0.005877024	0.038536768	0.108977921
2034 Mar	0.002770756	0.059872586	1.18452E-05	215.7673187	77.94976044	0.407363534	0.052697722	6467.87207	0.032292657	0.63191098	0.000328848	0.010823696	0.005227062	17.37442017	4.11365E-05	0.002599844	0.006207334	0.041412737	0.11746411
2034 Apr	0.002758732	0.059898291	1.16413E-05	227.9938507	79.83283997	0.395823479	0.056450065	6896.035645	0.032963503	0.679329455	0.000319013	0.011493252	0.005555494	18.58189964	4.12522E-05	0.002445263	0.006535379	0.044209126	0.125693008
2034 May	0.002762042	0.064218111	1.16023E-05	236.8378754	80.98418427	0.386076957	0.059197504	7205.999023	0.033388097	0.714183271	0.000333205	0.011981604	0.005797295	19.4599514	4.10485E-05	0.002324998	0.006791434	0.04626232	0.131689906
2034 Jun	0.002639682	0.077639587	1.20418E-05	181.9819641	63.0480423	0.369060159	0.044321552	5462.904785	0.028151592	0.529859364	0.000376968	0.00919962	0.004361554	15.00003147	5.40706E-05	0.002316503	0.005443323	0.035200857	0.099398106
2034 Jul	0.002961741	0.075873762	1.43668E-05	168.5563812	61.36195755	0.402492881	0.039252423	4918.350586	0.0295761	0.445705891	0.000380799	0.008508656	0.003915599	13.45373058	5.86586E-05	0.003004065	0.005230746	0.031435922	0.088759035
2034 Aug	0.003073174	0.07397484	1.56001E-05	174.9642181	64.48516083	0.416978687	0.040858325	5102.963867	0.030871615	0.455277562	0.000369408	0.008914765	0.004076659	13.92901993	5.75483E-05	0.003328547	0.005452564	0.03255387	0.092018835
2034 Sep	0.003296156	0.061715648	1.62983E-05	151.5038605	62.39112473	0.455744535	0.033267997	4172.079102	0.031710215	0.352726281	0.000375519	0.007454333	0.003468271	11.08697987	5.28655E-05	0.003990496	0.004801509	0.025925042	0.073909335
2034 Oct	0.003574833	0.058269836	1.58511E-05	136.9308167	69.36977386	0.568591177	0.027540755	3487.306152	0.03385618	0.282153845	0.000443409	0.006205628	0.003095546	8.810022354	5.01035E-05	0.004628434	0.004345464	0.020931806	0.059421841
2034 Nov	0.003516484	0.05868385	1.48774E-05	165.1645203	78.50289917	0.585092485	0.03574539	4460.946289	0.035603277	0.38918069	0.000432021	0.007677632	0.003856283	11.49008942	4.94516E-05	0.004305881	0.005070157	0.027266633	0.077533118
2034 Dec	0.003404949	0.058418471	1.41717E-05	187.286087	80.958557713	0.548851907	0.042753723	5265.935547	0.036089987	0.480885267	0.00040453	0.008930282	0.004455628	13.78626633	4.85215E-05	0.003884993	0.005638688	0.032630932	0.093162447
2035 Jan	0.003308781	0.058171008	1.35858E-05	205.3873596	82.74149323	0.516686559	0.048661921	5926.480469	0.036424667	0.557034016	0.000381645	0.009953287	0.004960702	15.67361832	4.76828E-05	0.003532665	0.006099537	0.037012603	0.106017902
2035 Feb	0.003232796	0.057974592	1.31243E-05	219.6861267	84.15940094	0.491362244	0.053469405	6448.118164	0.036682017	0.617854476	0.000363525	0.010755057	0.005373398	17.16400528	4.70221E-05	0.003255091	0.006460655	0.040447954	0.116168514
2035 Mar	0.003169102	0.057809711	1.27361E-05	231.8625183	85.38196564	0.470006645	0.057558373	6891.956055	0.036909103	0.669570446	0.000348209	0.011437439	0.005724597	18.43179131	4.64737E-05	0.003020521	0.006768338	0.0433704	0.124802902
2035 Apr	0.003126135	0.057910003	1.24453E-05	243.7466125	86.84754181	0.453006893	0.061460108	7318.296875	0.037273679	0.718661904	0.000336054	0.012096611	0.00606314	19.64409447	4.61883E-05	0.002824433	0.007072593	0.046168808	0.133056253
2035 May	0.003135066	0.059927534	1.2394E-05	256.9658203	89.21084595	0.444803745	0.065561555	7773.333496	0.038060058	0.769581676	0.000336625	0.012811999	0.006429778	20.92349434	4.64763E-05	0.002697266	0.007426897	0.049139787	0.141758338
2035 Jun	0.002693265	0.068398736	1.21007E-05	184.8880768	64.80715942	0.384071618	0.045893077	5552.756836	0.029220143	0.531246364	0.000329422	0.009297203	0.004509947	15.24868011	5.56206E-05	0.002381959	0.005560677	0.035106439	0.100965142
2035 Jul	0.002820738	0.068434581	1.361E-05	170.522644	60.71477127	0.386958778	0.040792894	5075.268066	0.028744683	0.447368622	0.000310713	0.008713032	0.004001902	14.04285049	6.01524E-05	0.00266962	0.005357308	0.031654458	0.092010818
2035 Aug	0.003023738	0.066079535	1.50788E-05	169.3147888	64.35430145	0.431313127	0.040038288	4972.510742	0.030228177	0.425966918	0.000318269	0.008688522	0.003969502	13.69659233	5.91523E-05	0.003194977	0.005442551	0.03080841	0.089595363
2035 Sep	0.003564096	0.056830186	1.67577E-05	147.9824982	67.92958069	0.540183902	0.031674385	3974.649902	0.034245852	0.315653503	0.000386131	0.007134684	0.003387787	10.46881866	5.6613E-05	0.004406448	0.004863381	0.023756957	0.06932468
2035 Oct	0.003678271	0.055738747	1.70963E-05	151.5706482	74.90120697	0.599427342	0.032376986	4023.500488	0.036047403	0.323866457	0.00039675	0.007176411	0.003527886	10.43629074	5.41556E-05	0.004764612	0.004933345	0.023938635	0.069397055
2035 Nov	0.00357674	0.055966046	1.57671E-05	165.0535736	80.90779877	0.619892716	0.036481436	4485.850098	0.036447641	0.380544066	0.000411679	0.007808177	0.00393614	11.66394997	5.13632E-05	0.004528678	0.005218432	0.026985725	0.077838145
2035 Dec	0.003506763	0.056021575	1.51543E-05	182.2619629	84.03184509	0.604076624	0.041971162	5099.01416	0.03703877	0.451584131	0.000393959	0.008733583	0.004418976	13.38519096	5.08309E-05	0.004228175	0.005649063	0.031029576	0.0895686
2036 Jan	0.003424398	0.055990551	1.46236E-05	196.8721466	85.28977966	0.57551986	0.04688539	5630.07373	0.037228148	0.514355421	0.000376826	0.009537259	0.004840089	14.89586449	5.00118E-05	0.003929753	0.00600414	0.03453042	0.099918254
2036 Feb	0.003354864	0.055959076	1.41812E-05	209.1411896	86.31668091	0.551210344	0.05110351	6075.945313	0.037370682	0.567302465	0.000362488	0.010204324	0.005202379	16.16459084	4.93148E-05	0.003680005	0.006298075	0.037436392	0.108611397
2036 Mar	0.003293992	0.055922959	1.37939E-05	219.8968506	87.21730804	0.529908001	0.054800801	6466.779297	0.037496448	0.613709033	0.000349912	0.010789099	0.005519948	17.27668381	4.87055E-05	0.003461299	0.006555736	0.039983582	0.116231382
2036 Apr	0.003258198	0.056241583	1.35207E-05	230.743866	88.50227356	0.513764977	0.058412418	6851.976074	0.037817683	0.658612907	0.000341484	0.01137219	0.005835115	18.3663044	4.84067E-05	0.00328721	0.006822366	0.042481892	0.123688675
2036 May	0.0032812	0.057589021	1.3492E-05	244.1501465	91.17605591	0.508819818	0.062565841	7304.976074	0.038736019	0.709139228	0.000341332	0.012074024	0.006211064	19.62967682	4.89066E-05	0.003190939	0.007170941	0.045386691	0.132302806
2036 Jun	0.003145445	0.057642207	1.38131E-05	203.7992554	77.40390015	0.484642029	0.050314724	6018.634277	0.034611836	0.557635486	0.000337052	0.010122557	0.005040696	16.34530258	5.80533E-05	0.003242018	0.006103831	0.036846757	0.108633518
2036 Jul	0.003220501	0.057765357	1.51998E-05	182.8938904	73.09437561	0.500602603	0.04318475	5311.549805	0.033644196	0.459606647	0.000312986	0.009112759	0.004375434	14.43530369	6.13982E-05	0.003530914	0.005637001	0.031583399	0.095137239
2036 Aug	0.003275064	0.057804588	1.6136E-05	186.0583954	75.6111908	0.517460406	0.044044863	5404.165039	0.03425207	0.464090556	0.00030674	0.009339205	0.004466947	14.67831421	6.05723E-05	0.003777415	0.00575028	0.031897001	0.096628085
2036 Sep	0.003366451	0.051316194	1.628E-05	168.8543091	73.97640991	0.541131139	0.038653471	4744.206055	0.034182031	0.396422625	0.000332603	0.008323401	0.004037336	12.68279648	5.59391E-05	0.004182619	0.005231175	0.027495766	0.08389087
2036 Oct	0.003687768	0.051374257	1.68187E-05	158.2749023	76.59628296	0.596769392	0.035036277	4235.355957	0.036292531	0.353726864	0.000383402	0.007469479	0.003798889	10.98778915	5.31402E-05	0.004711235	0.004915961	0.024417441	0.073577307
2036 Nov	0.003583053	0.052447695	1.55162E-05	183.4510345	83.21763611	0.594814658	0.043081496	5109.680664	0.037281163	0.456511229	0.00039398	0.008750902	0.004542672	13.40513897	5.0939E-05	0.00435855	0.005529552	0.030224685	0.090062834
2036 Dec	0.003475757	0.052926742	1.46275E-05	204.0552826	86.82455444	0.573679686	0.049894031	5847.823242	0.037797239	0.543264329	0.000378789	0.009840962	0.005143361	15.47983551	4.97147E-05	0.003976434	0.006039975	0.035115846	0.10420084
2037 Jan	0.00336654	0.053203575	1.39542E-05	222.1299896	88.37034607	0.53802067	0.055872533	6507.836426	0.037982713	0.620328426	0.000356908	0.010826222	0.005656428	17.35967827	4.87101E-05	0.003594358	0.006485458	0.039483011	0.117048427
2037 Feb	0.003280088	0.053432502	1.34282E-05	236.4471893	89.52942657	0.509119153	0.060456198	7030.659668	0.03811742	0.680526435	0.000339701	0.011604276	0.006052183	18.84959984	4.79104E-05	0.003292366	0.006836434	0.042928282	0.127234071
2037 Mar	0.003211392	0.053670429	1.30027E-05	248.7514496	90.6076355	0.485436231	0.064377226	7478.047363	0.038276166	0.73188293	0.000325622	0.012271481	0.006391709	20.12313271	4.72967E-05	0.003042842	0.007139214	0.045872293	0.135938674
2037 Apr	0.003157977	0.053993914	1.26561E-05	260.1952515	91.76758575	0.465609372	0.067990012	7897.567383	0.038503967	0.778946996	0.0003139	0.012889244	0.00670641	21.29474258	4.68625E-05	0.002829269	0.007423099	0.048579186	0.143943027
2037 May	0.003017491	0.064678766	1.22507E-05	254.6481781	88.06584167	0.434045911	0.066969298	7767.493652	0.036689792	0.772159159	0.000344663	0.012656523	0.006583466	21.01354599	4.40539E-05	0.00251996	0.007306611	0.048051436	0.142027304
2037 Jun	0.0028448	0.07303042	1.22606E-05	192.4571075	71.08579254	0.442207515	0.048765257	5771.364258	0.030772211	0.555912018	0.000381656	0.00954886	0.004854612	15.83938313	5.71281E-05	0.002583756	0.005741678	0.035193991	0.104623392
2037 Jul	0.003113916	0.076550581	1.3823E-05	190.4289246	73.70189667	0.494433612	0.04602569	5642.914063	0.03243525	0.503852189	0.000392877	0.009502525	0.004624143	15.49542236	6.40911E-05	0.002972805	0.005824517	0.033111583	0.101641104
2037 Aug	0.003120302	0.072283007	1.39887E-05	190.6296082	76.77500916	0.520660996	0.045507018	5633.026855	0.032872707	0.491013646	0.000374718	0.009541525	0.004608287	15.39574337	6.11466E-05	0.003098821	0.00584095	0.032686535	0.101067081
2037 Sep	0.002972507	0.058571737	1.35467E-05	173.0844727	75.8938446	0.5372172	0.040781125	5058.068848	0.031253286	0.434141457	0.000311452	0.008627753	0.004203859	13.72458363	5.39834E-05	0.003163249	0.005309519	0.029167185	0.08997409
2037 Oct	0.002806564	0.05360898	1.23439E-05	161.4037933	77.74423981	0.555765569	0.038196839	4673.040527	0.029886715	0.415371686	0.000290124	0.007882706	0.004018761	12.52175999	4.44902E-05	0.003094497	0.004870233	0.02752017	0.082326561
2037 Nov	0.002768355	0.055335879	1.14322E-05	203.2308655	85.27388763	0.522907853	0.050975587	6105.086914	0.03226516	0.579379559	0.000277662	0.010013616	0.005173412	16.47361755	4.32632E-05	0.002621014	0.005922153	0.03696683	0.10964369
2037 Dec	0.002709296	0.055390224	1.08607E-05	233.6323853	88.21237946	0.472859383	0.060481809	7164.448242	0.033536226	0.700262606	0.000259663	0.011625952	0.006006851	19.4455452	4.26922E-05	0.002222617	0.0066843	0.043920189	0.130181372
2038 Jan	0.002640341	0.054573663	1.04557E-05	242.3198547	87.9288559	0.444044918	0.063410617	7483.828613	0.033498738	0.830811203	0.00024757	0.012100556	0.006251394	20.35344696	4.17731E-05	0.002019424	0.006889076	0.046067268	0.136521831
2038 Feb	0.002562452	0.053007144	1.01475E-05	235.1491547	85.32806396	0.430933744	0.061534077	7262.354004	0.032507788	0.983239472	0.000240366	0.011742481	0.006066409	19.7511425	4.05373E-05	0.001959684	0.006685473	0.044704147	0.132481575
2038 Mar	0.002489632	0.051523723	9.85934E-06	228.4551849	82.89951324	0.418679923	0.059782349	7055.611328	0.031582542	1.127207398	0.000233588	0.011408213	0.00589372	19.18889046	3.93834E-05	0.001903903	0.006495293	0.043431617	0.128710106
2038 Apr	0.002426749	0.050234888	9.6104E-06	222.6786194	80.80361938	0.408100784	0.058270708	6877.204102	0.030784043	1.271963358	0.000227716	0.011119753	0.005744697	18.70369339	3.83876E-05	0.001855765	0.006331131	0.042333469	0.125455558
2038 May	0.002351185	0.058049168	9.53374E-06	210.2237549	76.55323792	0.391751558	0.054981675	6488.670898	0.029162096	1.360541105	0.000259702	0.010502075	0.005427056	17.65327454	3.63525E-05	0.001760497	0.006036355	0.04002241	0.118349582
2038 Jun	0.002298647	0.091527693	1.06889E-05	107.3941345	46.57257462	0.393429846	0.025762197	3178.312744	0.019733045	0.659315526	0.000474912	0.005453649	0.002657188	9.144795418	6.16776E-05	0.001982191	0.003502282	0.019280117	0.05656622
2038 Jul	0.002487502	0.10523805	1.20011E-05	83.96691895	40.3057518	0.392004877	0.018160403	2425.441406	0.018246466	0.450357437	0.000576337	0.004475151	0.001954667	7.196305275	6.70408E-05	0.002117996	0.003023921	0.013796791	0.042435449
2038 Aug	0.002577423	0.098609604	1.22351E-05	85.4948349	45.84823608	0.452843875	0.017491374	2413.903809	0.019817049	0.476361632	0.000547609	0.004478302	0.001942153	7.036735535	6.62274E-05	0.002404598	0.003096303	0.013155549	0.041439641
2038 Sep	0.002617191	0.07293351	1.19605E-05	75.65692902	54.43190384	0.571570992	0.013471869	1955.898193	0.021717684	0.428709447	0.000420589	0.003677128	0.001662834	5.448906422	6.14074E-05	0.003010295	0.002782856	0.009835013	0.03115222
2038 Oct	0.002751992	0.056530986	1.18262E-05	67.11814117	70.08222961	0.755420625	0.009661575	1517.475342	0.024752272	0.543255568	0.000328537	0.002815305	0.001460561	3.84843564	5.76526E-05	0.003692296	0.002528197	0.007011293	0.020431977
2038 Nov	0.002680636	0.053755343	1.11551E-05	64.72737122	70.90489197	0.761840522	0.009011039	1437.865234	0.02450664	0.876136243	0.000324014	0.002638051	0.001415439	3.568770885	5.45854E-05	0.003638944	0.002439979	0.006606371	0.018810632
2038 Dec	0.002528504	0.050644767	1.05083E-05	60.99365234	66.88418579	0.71840322	0.008478601	1352.873291	0.023120612	1.177261233	0.000307209	0.002483933	0.001334568	3.354467154	5.13312E-05	0.003438961	0.002297995	0.00621584	0.017681696
2039 Jan	0.002385924	0.047854394	9.91599E-06	57.53003311	63.07148361	0.677430332	0.007996551	1275.630127	0.02181028	1.449697137	0.000290539	0.002343198	0.00125901	3.162834644	4.83924E-05	0.003246252	0.002167514	0.005861829	0.016672993
2039 Feb	0.002264248	0.045490731	9.41009E-06	54.58047485	59.82963181	0.642623007	0.007586508	1210.035767	0.020693334	1.682098389	0.000276177	0.002223327	0.001194593	3.000265837	4.59005E-05	0.003081074	0.002056714	0.005561004	0.015816446

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.00215656	0.043367069	8.96245E-06	51.97660065	56.97116089	0.611927271	0.007224554	1152.21228	0.019706737	1.893548012	0.000263273	0.002117392	0.001137669	2.856930494	4.37053E-05	0.002934712	0.001958767	0.005295568	0.015061042
2039 Apr	0.002061475	0.041479498	8.56742E-06	49.6817131	54.45588303	0.584918916	0.006905561	1101.331421	0.018836753	2.098964453	0.000251722	0.002023916	0.001087445	2.730791092	4.17753E-05	0.002805157	0.001872422	0.005061833	0.014395964
2039 May	0.002015165	0.040915497	8.357E-06	48.4122467	53.25476074	0.573223591	0.006713182	1071.770752	0.018400485	2.317137241	0.000248392	0.001968808	0.001060871	2.654646635	4.06899E-05	0.002736853	0.001832136	0.004930465	0.013980906
2039 Jun	0.002311939	0.051409621	1.19092E-05	51.71814728	38.80199051	0.457541257	0.007587069	1184.451904	0.018484326	1.022502184	0.000341661	0.002602353	0.001072334	3.532379627	6.21734E-05	0.003198884	0.001940257	0.005595244	0.018155504
2039 Jul	0.002429225	0.058687311	1.3253E-05	46.69765472	34.89883423	0.4361642	0.007204211	1079.658691	0.017326053	0.435213566	0.000360291	0.002549701	0.000989659	3.457749128	6.92084E-05	0.003108007	0.001862397	0.005348211	0.016514352
2039 Aug	0.00273179	0.058862943	1.45669E-05	54.77923965	47.67022324	0.57245183	0.008154718	1232.553955	0.021001665	0.394715011	0.000345239	0.002800342	0.001157728	3.713772535	7.28422E-05	0.003692029	0.002191646	0.005812448	0.017725559
2039 Sep	0.002716938	0.055448383	1.4347E-05	56.66743851	50.17808151	0.590406954	0.008332335	1276.199463	0.021516627	0.402076662	0.000328044	0.002859855	0.001192275	3.743016005	6.93189E-05	0.003750776	0.002248119	0.00581314	0.018280009
2039 Oct	0.002696451	0.05180167	1.37972E-05	57.08407211	54.45174408	0.629879713	0.008103075	1262.883423	0.022173341	0.459358633	0.0003143	0.0027723	0.001210644	3.572981358	6.51036E-05	0.003802487	0.002257609	0.005621087	0.017518198
2039 Nov	0.002675635	0.05086812	1.35322E-05	56.65008163	55.05714035	0.634881198	0.007958377	1246.487915	0.022175882	0.587151229	0.000313638	0.002724112	0.0012043	3.500731468	6.4036E-05	0.003785701	0.002239062	0.005538656	0.017132731
2039 Dec	0.002618141	0.049757767	1.32349E-05	55.42692566	53.89884949	0.621423721	0.007783476	1219.136475	0.021704342	0.70983696	0.000307225	0.002664412	0.001178537	3.42290163	6.26169E-05	0.003705587	0.002190473	0.005417205	0.0167516
2040 Jan	0.00255956	0.048656438	1.29378E-05	54.18142319	52.68378448	0.607398331	0.007608499	1191.594116	0.021217661	0.828638732	0.00030059	0.002604625	0.001152166	3.345530748	6.11979E-05	0.00362323	0.0021412	0.00529516	0.016373506
2040 Feb	0.002505345	0.047640804	1.2663E-05	53.02955627	51.56024551	0.594438672	0.007446803	1166.161987	0.020767311	0.938835084	0.000294422	0.002549364	0.00112776	3.27414465	5.98891E-05	0.00354688	0.002095705	0.005182413	0.016024472
2040 Mar	0.002455762	0.046705481	1.24119E-05	51.97771072	50.53542709	0.582619548	0.007299131	1142.973022	0.020355806	1.045345783	0.00028871	0.002498863	0.001105442	3.20904851	5.86966E-05	0.003476926	0.002054144	0.005079513	0.015706085
2040 Apr	0.002413266	0.045899928	1.21967E-05	51.07653809	49.65723801	0.572489917	0.007172617	1123.103516	0.020003254	1.152353168	0.000283811	0.0024556	0.001086324	3.153268099	5.76748E-05	0.003417015	0.002018512	0.004991333	0.015433288
2040 May	0.002387755	0.049277719	1.21213E-05	50.04218674	48.69953156	0.562526166	0.007023251	1098.344482	0.019631734	1.247256041	0.00029795	0.002408521	0.001067075	3.085987091	5.64022E-05	0.00335426	0.00200054	0.004917427	0.015090054
2040 Jun	0.002085774	0.075599343	1.12343E-05	39.76729965	33.19769669	0.441297472	0.005777419	923.3065796	0.014943038	0.732964516	0.000362686	0.001997356	0.000803559	3.010264874	6.77118E-05	0.002484942	0.001712485	0.004587039	0.013416659
2040 Jul	0.002110257	0.083522789	1.18252E-05	37.6824646	28.36493492	0.391824484	0.005721031	910.0423584	0.013896367	0.47791934	0.000386291	0.002092595	0.000758292	3.108216047	6.9775E-05	0.002279312	0.001713065	0.004778943	0.013808034
2040 Aug	0.002219846	0.078678496	1.20832E-05	42.54210663	34.15454483	0.443632901	0.006279274	1012.526855	0.015762359	0.481475651	0.000377596	0.002324673	0.000860413	3.26389432	6.71565E-05	0.002557019	0.001897592	0.005064871	0.015137216
2040 Sep	0.002329272	0.06397891	1.23107E-05	44.98759079	42.66895294	0.524893165	0.006416851	994.7996216	0.018203115	0.467691243	0.000334368	0.002324587	0.000956734	2.9789083	6.05258E-05	0.003066325	0.001968635	0.004842917	0.013824029
2040 Oct	0.002113041	0.051919527	1.09421E-05	40.83872986	45.51121902	0.534819126	0.005452628	853.9622803	0.017581133	0.624322295	0.000273254	0.001978439	0.000903734	2.357559204	4.64055E-05	0.002976373	0.001771995	0.004081061	0.0108812
2040 Nov	0.002071862	0.049410515	1.03702E-05	40.00366211	46.48179626	0.542285204	0.005182486	822.2327271	0.017562371	0.946462035	0.000272169	0.001880488	0.000892478	2.217075825	4.41078E-05	0.002941234	0.001729288	0.003913538	0.010170178
2040 Dec	0.001958543	0.046605453	9.78442E-06	37.80020142	43.95163345	0.512461007	0.004892242	775.6705322	0.016610643	1.237329125	0.000258648	0.001775625	0.000844225	2.089491129	4.15622E-05	0.002785573	0.001632641	0.003692865	0.009586512
2041 Jan	0.001851714	0.044082794	9.24744E-06	35.72296906	41.51498795	0.483989686	0.004624133	732.5957031	0.015700504	1.500569105	0.000245357	0.001678598	0.000798259	1.973519802	3.92402E-05	0.002635752	0.001542651	0.003489067	0.009056295
2041 Feb	0.001759646	0.041937396	8.78623E-06	33.93749237	39.43211746	0.459702253	0.004393395	695.8136597	0.01491697	1.726029873	0.000233568	0.001594977	0.000758537	1.874542594	3.72656E-05	0.002505257	0.001465722	0.003314531	0.008602547
2041 Mar	0.001677758	0.040007193	8.37639E-06	32.35285187	37.58535004	0.438166022	0.004188522	663.213501	0.014221219	1.931128979	0.000222955	0.001520691	0.000723237	1.786784172	3.55166E-05	0.002389126	0.001397342	0.003159632	0.008200161
2041 Apr	0.00160433	0.038263597	8.00888E-06	30.93326378	35.93087387	0.418868184	0.00400499	634.0128784	0.013597879	2.129136324	0.000213408	0.001454137	0.00069161	1.708165884	3.395E-05	0.002285081	0.001336011	0.003020823	0.007839733
2041 May	0.001645854	0.038728673	8.00711E-06	31.15913391	35.4659462	0.411430418	0.004060067	618.2825928	0.013870394	2.283091545	0.000258706	0.001489272	0.000718393	1.667452693	3.25271E-05	0.002452447	0.001336536	0.003002538	0.007717285
2041 Jun	0.001990583	0.049981032	1.0989E-05	34.96378708	27.42059326	0.369464815	0.005193578	758.9295044	0.014903022	1.129309177	0.000259515	0.001928323	0.000734044	2.495317936	6.00627E-05	0.002537022	0.001526273	0.00426838	0.011179776
2041 Jul	0.002046587	0.057567988	1.17625E-05	30.30119514	23.94055939	0.35615924	0.00479722	690.1014404	0.01338952	0.501073539	0.000272139	0.001849069	0.00065178	2.544382572	7.09641E-05	0.002282099	0.001433201	0.00434011	0.009945959
2041 Aug	0.002189961	0.056964155	1.23909E-05	38.42218018	30.41464043	0.406681001	0.005922461	897.6322021	0.015530073	0.507824183	0.000273667	0.002314137	0.000802412	3.005144596	6.85893E-05	0.0025851	0.001747269	0.005006074	0.013274617
2041 Sep	0.002355297	0.047442	1.29159E-05	43.49039459	40.77495575	0.501570821	0.006478158	940.9425049	0.018502822	0.481969923	0.00026224	0.002442743	0.000959042	2.860948086	5.95962E-05	0.003233391	0.001924124	0.004902949	0.013094448
2041 Oct	0.00267156	0.042331837	1.28499E-05	49.86206436	60.41885376	0.702787757	0.006568905	973.3513184	0.023348121	0.590511918	0.000273733	0.002363307	0.001151012	2.558819294	5.41545E-05	0.003940938	0.00215403	0.004769408	0.011465224
2041 Nov	0.002634124	0.040885508	1.21368E-05	49.25777817	62.64849091	0.722201407	0.006232854	943.704834	0.02348374	0.919791162	0.000280986	0.002242798	0.001145859	2.400967598	5.15191E-05	0.00391069	0.002117583	0.004589845	0.010645204
2041 Dec	0.002489572	0.0385474	1.14406E-05	46.53174591	59.2050972	0.681985617	0.005881988	889.5024414	0.022205025	1.218909502	0.000268733	0.002117637	0.001084189	2.260517836	4.84755E-05	0.003705958	0.001998119	0.004328287	0.010024915
2042 Jan	0.00235008	0.036439311	1.07972E-05	43.90778351	55.84490967	0.6432181	0.005551259	838.9369507	0.020955261	1.489403844	0.000254594	0.00199887	0.001023497	2.132171631	4.57065E-05	0.003500202	0.001885295	0.004083676	0.009457222
2042 Feb	0.002230191	0.034646675	1.02455E-05	41.65778351	52.97566986	0.61017102	0.005267275	795.8092651	0.0198825	1.720140338	0.000242045	0.001896755	0.000971223	2.022721767	4.33534E-05	0.003321981	0.001788961	0.003874454	0.008972004
2042 Mar	0.002123534	0.033019818	9.75458E-06	39.65872955	50.4253273	0.580785632	0.005015027	757.4881592	0.018929336	1.92945075	0.000230833	0.001806049	0.000924785	1.925456285	4.12621E-05	0.003163736	0.001703187	0.003688446	0.008540973
2042 Apr	0.002038725	0.03168403	9.36021E-06	38.05852509	48.35273361	0.556818247	0.004815021	726.3587646	0.018169325	2.138901234	0.000222907	0.001734541	0.000888201	1.846814394	3.95498E-05	0.003041344	0.00163395	0.003538723	0.008194502
2042 May	0.002006442	0.035413399	9.25032E-06	36.91601181	46.86427307	0.540715814	0.004671701	700.3041382	0.017679181	2.326250553	0.000243716	0.001689033	0.000867685	1.783880234	3.80603E-05	0.002975677	0.001609236	0.003458599	0.007904535
2042 Jun	0.001965892	0.049733061	1.10886E-05	37.06689453	32.46979141	0.416454643	0.005418193	827.4278564	0.015235105	1.236366868	0.000224472	0.00207396	0.000776918	2.632390261	5.88944E-05	0.002527565	0.001631599	0.004481365	0.01184326
2042 Jul	0.002043587	0.057941087	1.22634E-05	33.70479202	28.0050869	0.383879244	0.0052607	782.0795288	0.01401423	0.525245607	0.000250965	0.002090037	0.000726486	2.716391802	6.64553E-05	0.002385132	0.001580544	0.004669604	0.011381963
2042 Aug	0.002457583	0.052966647	1.30117E-05	43.07640076	45.12689209	0.570584536	0.006268315	919.3078613	0.01918133	0.413986832	0.000258485	0.002306309	0.000956899	2.853398085	6.82943E-05	0.003175884	0.001957763	0.005048828	0.012008431
2042 Sep	0.002646865	0.046972658	1.31566E-05	46.7840538	57.30953598	0.696312964	0.00642786	928.2460327	0.02217512	0.377711385	0.000253319	0.002260583	0.001078231	2.658107042	6.51328E-05	0.003703893	0.002093552	0.004909381	0.010806637
2042 Oct	0.002826684	0.045074943	1.25443E-05	50.75542068	72.24433136	0.847859323	0.006202135	948.4658813	0.025342835	0.484211862	0.00026631	0.002145277	0.001199322	2.409503698	5.98584E-05	0.004067973	0.002249599	0.00478081	0.009505357
2042 Nov	0.002831365	0.043517593	1.20009E-05	51.3073082	75.7779007	0.880104661	0.006009214	943.7940063	0.025958003	0.764725268	0.000277753	0.002082342	0.001218658	2.311866045	5.80618E-05	0.004115775	0.002256057	0.004696607	0.009009927
2042 Dec	0.002700609	0.041425649	1.14242E-05	48.92933273	72.28508759	0.839054286	0.005726333	898.7382813	0.024769908	1.02211535	0.000267222	0.00198534	0.001163454	2.199326754	5.52087E-05	0.003933119	0.002149832	0.004473291	0.00857227
2043 Jan	0.002573281	0.039492134	1.08831E-05	46.60620499	68.81795502	0.798721313	0.00545652	855.611084	0.023596486	1.25942874	0.000255753	0.001892296	0.001108811	2.094141722	5.25422E-05	0.003750666	0.002047431	0.004260336	0.008164534
2043 Feb	0.00246167	0.037825312	1.04109E-05	44.57870102	65.82013702	0.763932049	0.005219457	818.3273315	0.022570521	1.46532321	0.000244905	0.001810168	0.001060665	2.002990484	5.0251E-05	0.003588056	0.001958583	0.004075107	0.00780925
2043 Mar	0.002359934	0.036288038	9.98081E-06	42.73400879	63.09659195	0.732329547	0.005003473	784.4594727	0.021636618	1.654555559	0.000234844	0.001735274	0.001016779	1.920115709	4.81713E-05	0.003439582	0.001877679	0.003906567	0.007486055
2043 Apr	0.00227848	0.035049692	9.63639E-06	41.2577095	60.91680908	0.707034051	0.00483063	757.3554688	0.020889206	1.847236872	0.000226774	0.001675337	0.000981658	1.853787065	4.65069E-05	0.003320771	0.00181289	0.003771658	0.007227416
2043 May	0.002232223	0.040213738	9.54585E-06	39.8131218	58.86820602	0.68496722	0.00465587	728.8043213	0.020198032	2.007938385	0.000247759	0.001620251	0.000951103	1.786907911	4.47448E-05	0.003208776	0.001784496	0.003681726	0.006944573
2043 Jun	0.001983864	0.082423463	1.06114E-05	31.18046188	33.54834747	0.462348938	0.004372012	649.5980225	0.014211934	0.946234524	0.00037285	0.001584705	0.000684627	2.221050024	6.33356E-05	0.002352192	0.00157762	0.003961491	0.00816795
2043 Jul	0.002133017	0.085252367	1.24663E-05	35.97303772	31.63862228	0.430771202	0.005598045	823.4349365	0.014534692	0.554939449	0.000396182	0.002190971	0.000783642	2.864557981	6.81667E-05	0.002582282	0.001787432	0.004848195	0.011833107
2043 Aug	0.002350583	0.072784327	1.27606E-05	44.65224075	42.52449036	0.528108776	0.006729255	1007.266174	0.018058205	0.502563298	0.000358628	0.002598485	0.000977102	3.163339615	6.45352E-05	0.003043439	0.002115797	0.005387407	0.014245706
2043 Sep	0.002649519	0.047693521	1.35064E-05	49.43952179	59.61971664	0.683341146	0.007122775	967.5412598	0.023037745	0.441322565	0.000309652	0.002579316	0.001192258	2.677381039	5.33784E-05	0.004141011	0.002236432	0.00497476	0.011828079
2043 Oct	0.002495329	0.044285186	1.27365E-05	44.30545044	57.46340561	0.636235178	0.006231393	808.5884399	0.021749007	0.522425056	0.000291975	0.002231498	0.001123677	2.080562353	3.8452E-05	0.004022253	0.001992939	0.004225426	0.009296016
2043 Nov	0.002399567	0.049400996	1.17436E-05	40.83335876	58.10919189	0.639658451	0.005295752	719.6936646	0.020749796	0.697329044	0.000284346	0.001874297	0.001044502	1.734057784	3.38077E-05	0.003672957	0.001842899	0.003821702	0.00744475
2043 Dec	0.002306888	0.047307793	1.12277E-05	39.32627869	56.30244827	0.619303048	0.00506773	692.336792	0.020013995	0.932596803	0.000273055	0.001793208	0.001005347	1.659499884	3.24806E-05	0.003530218	0.0017729	0.003667545	0.007107139
2044 Jan	0.00225447	0.046303608	1.09726E-05	38.43174744	55.0221138	0.605238438	0.004970704	676.2734375	0.019554669	1.048515797	0.000267097	0.001752212	0.000983261	1.621144533	3.17965E-05	0.003449702	0.001732439	0.003583788	0.006941663
2044 Feb	0.002255462	0.046425018	1.09816E-05	38.46628189	55.04318619	0.605595887	0.005041135	676.1450806	0.019553469	1.048320174	0.00026743	0.001753756	0.000986628	1.621821165	3.20367E-05	0.003450887	0.001733205	0.003586608	0.006943506
2044 Mar	0.00225788	0.046542145	1.09974E-05	38.53039551	55.10697937	0.606420755	0.005117886	676.5584106	0.019566763	1.048970819	0.000267769	0.001756447	0.0009908	1.623675823	3.23119E-05	0.003454283	0.001735091	0.003592122	0.006950764
2044 Apr	0.002264852	0.046729911	1.10348E-05	38.66990662	55.2826767	0.608454108	0.005194406	678.4046021	0.019621208	1.051841736	0.000268613	0.001762608	0.00099653	1.628828645	3.26171E-05	0.0034648	0.001740448	0.003604688	0.006972295
2044 May	0.002310222	0.048439857	1.12727E-05	39.36750412	56.27013397	0.61952579	0.005298637	690.144043	0.019973291	1.084551811	0.00027761	0.001796075	0.001015443	1.658550978	3.32262E-05	0.003528991	0.001775976	0.003675235	0.007094891
2044 Jun	0.001570156	0.062436186	9.11281E-06	20.14230537	27.12308121	0.346239895	0.002704978	341.2849426	0.010611144	0.495572329	0.000262571	0.000958409	0.000515339	1.141994476	3.73657E-05	0.001951528	0.001034486	0.002744715	0.003477459
2044 Jul	0.001323435	0.047787108	6.46638E-06	12.88034153	16.54208374	0.213040486	0.002222212	198.8271332	0.006739135	0.28999263	0.000214906	0.00065532	0.000363184	0.755648136	2.76123E-05	0.001321258	0.000666864	0.002110487	0.002093726
2044 Aug	0.001564128	0.027054897	3.70005E-06	11.52760124	11.64823914	0.112454697	0.002656616	69.52899933	0.005999221	0.107276574	0.000492135	0.001033771	0.000459674	0.588995695	1.24794E-05	0.00213991	0.000469847	0.001654674	0.001504234
2044 Sep	0.001298587	0.024554076	3.36562E-06	7.89936161	7.270561218	0.060587268	0.002005918	25.01984978	0.00398704	0.043154512	0.00037735	0.00077444	0.000342457	0.394040167	7.36306E-06	0.001597352	0.000299513	0.001314356	0.000906448
2044 Oct	0.001228702	0.024191352	3.26404E-06	7.101588726	6.457372189	0.052553773	0.001992382	20.41791916	0.003459839	0.043032542	0.000331346	0.000684982	0.000314313	0.346842647	7.15215E-06	0.001401168	0.000265743	0.001240407	0.000785775
2044 Nov	0.001236583	0.024659792	3.36612E-06	7.205139637	6.532232285	0.053205211	0.002043317	20.48083305	0.003492573	0.048141405	0.00033409	0.000695408	0.000319417	0.351394534	7.26151E-06	0.001421518	0.000268612	0.001246992	0.000796622
2044 Dec	0.001238653	0.024685157	3.37953E-06	7.234519005	6.554235935	0.053407542	0.002058613	20.51511955	0.003502225	0.048146419	0.000335017	0.000698297	0.000320916	0.352655441	7.30214E-06	0.0014271	0.000269321	0.001248832	0.000799823
2045 Jan	0.001239015	0.024705274	3.38328E-06	7.244664669	6.56183672	0.053504784	0.002070961	20.52293968	0.003503818	0.048146263	0.000335174	0.00069897	0.000321631	0.35297066	7.34252E-06	0.001428137	0.000269567	0.001249449	0.000800752
2045 Feb	0.001239144	0.024730274	3.38602E-06	7.25792408	6.57185936	0.053659894	0.002095538	20.53082657	0.003504005	0.048155982	0.000335181	0.00069945	0.000322801	0.353235632	7.42763E-06	0.001428432	0.000269829	0.001250351	0.000801773
2045 Mar	0.001240127	0.024761794	3.38969E-06	7.268915653	6.5810256	0.05376742	0.002107775	20.5495224	0.003506638	0.048196945	0.000335431	0.000700156	0.000323544	0.353605688	7.47031E-06	0.001429573	0.00027015	0.001251686	0.00080279
2045 Apr	0.001243561	0.024837727	3.39978E-06	7.292944908	6.602179527	0.05396381	0.00212144	20.60828972	0.003516252	0.048332695	0.000336346	0.00070221	0.000324801	0.354652256	7.51822E-06	0.001433546	0.00027097	0.001255407	0.0008053
2045 May	0.001264921	0.025274837	3.46033E-06	7.43136549	6.725307941	0.055042058	0.002183756	20.96916389	0.003576444	0.054297116	0.000342062	0.000714686	0.000331583	0.360975116	7.73733E-06	0.001458303	0.000275795	0.001277827	0.000820125
2045 Jun	0.001255419	0.032524668	4.92264E-06	7.745423794	6.788556576	0.056044921	0.002067403	19.36541557	0.003691294	0.049434587	0.000355669	0.000791019	0.000341077	0.380189717	6.8809E-06	0.0015635	0.000328695	0.001405587	0.00085142
2045 Jul	0.001195808	0.034088917	4.91387E-06	6.880549908	6.030348301	0.049832031	0.00199308	16.55851555	0.003262585	0.044978745	0.000315723	0.000700071	0.000309503	0.332336247	6.84141E-06	0.001350639	0.000317964	0.001409519	0.000735628
2045 Aug	0.001262656	0.034331091	4.94936E-06	7.371940613	6.434815884	0.053025585	0.002293677	16.71203232	0.003468865	0.048924752	0.000339366	0.0007468	0.000337318	0.351309747	7.64489E-06	0.001444793	0.000330212	0.001457861	0.000787348
2045 Sep	0.00138311	0.035145264	5.23138E-06	8.722705841	7.550294399	0.061710335	0.002738623	17.57250977	0.004140773	0.05310674	0.000414722	0.000902165	0.00040138	0.41411081	8.32052E-06	0.001769527	0.000371973	0.001538854	0.000951596
2045 Oct	0.00143145	0.035589077	5.39488E-06	9.337695122	8.042381287	0.066047952	0.003066704	18.0885849	0.004389202	0.05845052	0.000441444	0.00096499	0.000433629	0.440473586	9.15142E-06	0.00189503	0.000389019	0.00157842	0.001021505
2045 Nov	0.001440073	0.035673235	5.42902E-06	9.463495255	8.141040802	0.067026503	0.003161991	18.21200752	0.004429689	0.061366975	0.000445617	0.000976214	0.000440964	0.445364773	9.43703E-06	0.001916168	0.000392129	0.001587237	0.001034876
2045 Dec	0.00144194	0.035695966	5.44039E-06	9.491617203	8.162258148	0.067237228	0.003181345	18.24581528	0.0044379	0.061389174	0.000446395	0.000978741	0.000442532	0.44648999	9.49482E-06	0.001920875	0.000392783	0.001589185	0.001037828
2046 Jan	0.001442253	0.035703883	5.44258E-06	9.497800827	8.166940689	0.067291543	0.003187682	18.25233459	0.004439203	0.061393134	0.000446517	0.000979198	0.000442934	0.446702272	9.51534E-06	0.001921647	0.000392923	0.001589607	0.001038426

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.001442407	0.035711627	5.44321E-06	9.498822212	8.167866707	0.06730137	0.003188198	18.25422859	0.004439638	0.061399013	0.000446568	0.000979294	0.000442986	0.446748793	9.517E-06	0.001921825	0.000392984	0.001589778	0.00103853
2046 Mar	0.001443969	0.035752419	5.44912E-06	9.509052277	8.176696777	0.067375004	0.003191626	18.27392578	0.004444426	0.061465085	0.000447054	0.000980348	0.000443463	0.447230905	9.52724E-06	0.001923891	0.00039342	0.001591496	0.001039646
2046 Apr	0.001450874	0.035919961	5.47565E-06	9.555767059	8.216564178	0.067703217	0.00320689	18.36212158	0.004466078	0.06174938	0.000449232	0.000985193	0.000445628	0.449432999	9.57164E-06	0.001933419	0.000395317	0.001599013	0.001044774
2046 May	0.001473713	0.036621455	5.57203E-06	9.715441704	8.352835655	0.06888745	0.003256297	18.653368	0.004539111	0.065338127	0.000457277	0.001001962	0.000452978	0.457051337	9.70779E-06	0.00196618	0.000402555	0.001623611	0.001062245
2046 Jun	0.001380797	0.041679934	6.08823E-06	9.067929268	7.800664425	0.06519331	0.002941226	16.86434364	0.004284612	0.060398124	0.000439522	0.000957628	0.000421122	0.428771675	8.60305E-06	0.001845007	0.000421391	0.001639487	0.000987375
2046 Jul	0.001302719	0.044320293	6.3269E-06	8.615123749	7.41428566	0.063104257	0.003037562	15.40319633	0.004051534	0.058728665	0.000417883	0.00091284	0.000407722	0.40308857	9.01023E-06	0.00172631	0.000426235	0.001649929	0.000929845
2046 Aug	0.001486248	0.045997269	6.75416E-06	10.46381474	8.954172134	0.075230107	0.003654703	16.98295403	0.004964279	0.064790793	0.000519396	0.001121651	0.000495494	0.488961339	1.01224E-05	0.002159077	0.000485735	0.001790817	0.001151732
2046 Sep	0.001592166	0.046022482	7.01418E-06	11.73622799	9.985858917	0.082815677	0.003978728	17.70455551	0.005601915	0.066037908	0.000589563	0.001271027	0.000552915	0.549687088	1.03197E-05	0.002479474	0.000517998	0.001835212	0.001309696
2046 Oct	0.001627481	0.046176549	7.19195E-06	12.28038979	10.40308666	0.08622694	0.004216576	18.05955887	0.005814744	0.068893611	0.00061105	0.001327963	0.000579536	0.573958397	1.07762E-05	0.002599067	0.000528192	0.00184378	0.001373107
2046 Nov	0.001641685	0.046248052	7.28121E-06	12.48736382	10.55671501	0.087549098	0.00430011	18.29527664	0.005887263	0.071455114	0.000618015	0.001349382	0.000589393	0.583260357	1.0961E-05	0.002641973	0.000532663	0.001852739	0.001396482
2046 Dec	0.001644359	0.046270106	7.29745E-06	12.52510738	10.58497238	0.087806724	0.004318684	18.34184074	0.00589984	0.071466543	0.000619228	0.001353132	0.000591289	0.584897459	1.10099E-05	0.002649249	0.000533563	0.001855069	0.001400632
2047 Jan	0.001644686	0.046279117	7.3001E-06	12.5335474	10.59129238	0.087885149	0.004328754	18.35026741	0.005901189	0.071467951	0.000619346	0.001353685	0.000591877	0.585162163	1.10432E-05	0.002650118	0.00053373	0.001855585	0.001401415
2047 Feb	0.001644877	0.046293337	7.30177E-06	12.54135609	10.59731007	0.087973736	0.004342463	18.35679245	0.005901569	0.071479537	0.000619371	0.001353991	0.000592545	0.585332155	1.10909E-05	0.002650369	0.000533883	0.001856213	0.001402033
2047 Mar	0.001647965	0.046386443	7.3163E-06	12.57136917	10.62204552	0.08821664	0.004363893	18.39574432	0.005912382	0.071617685	0.000620484	0.001356694	0.000594263	0.586536765	1.11584E-05	0.002655315	0.000534965	0.001860118	0.001405136
2047 Apr	0.001651862	0.04650037	7.33427E-06	12.6064291	10.65114117	0.088488773	0.004385123	18.44294167	0.005926151	0.071790412	0.00062191	0.001360037	0.000596166	0.588011026	1.12231E-05	0.002661575	0.000536292	0.001864862	0.001408849
2047 May	0.001670675	0.048404701	7.4671E-06	12.74641228	10.77936649	0.090130523	0.004411477	18.65483475	0.005988251	0.074364528	0.000634712	0.001375861	0.000602415	0.595423341	1.12563E-05	0.002690555	0.000550014	0.001884239	0.001423315
2047 Jun	0.001587772	0.061694432	7.6438E-06	11.65360737	10.04404736	0.089339904	0.003964677	17.15971375	0.005523899	0.068602696	0.000642532	0.001262159	0.000552045	0.550916433	1.00974E-05	0.00243768	0.000595523	0.001830099	0.001283981
2047 Jul	0.001699239	0.066124998	8.17527E-06	12.7359314	10.95509911	0.098224528	0.004595155	18.28620148	0.005970196	0.075918242	0.000696468	0.001370208	0.00061078	0.597192466	1.18842E-05	0.002641428	0.000643833	0.001961394	0.001400872
2047 Aug	0.001946149	0.06807825	8.66338E-06	15.20927238	13.0268507	0.11441613	0.005378543	20.340065	0.007216128	0.082167849	0.000836754	0.001652433	0.000727282	0.712879121	1.31876E-05	0.003229594	0.000724876	0.002143516	0.001700517
2047 Sep	0.002067077	0.067262769	8.84472E-06	16.59569359	14.1596899	0.122493334	0.005720844	21.21072769	0.007928111	0.082892299	0.000913682	0.001815792	0.00078965	0.779039502	1.34044E-05	0.003581298	0.000758758	0.002197826	0.001874373
2047 Oct	0.002064807	0.066609748	8.95716E-06	16.76547813	14.25098228	0.123228632	0.005828863	21.38365555	0.007941011	0.085569784	0.000910261	0.001829573	0.000798087	0.785780132	1.36651E-05	0.003609817	0.000754203	0.002182273	0.001892166
2047 Nov	0.00206865	0.066540591	9.01403E-06	16.85713196	14.31103992	0.123750895	0.005875196	21.50440407	0.007961238	0.087926216	0.000911069	0.001838046	0.000802526	0.789696336	1.37813E-05	0.003626526	0.000754603	0.002183014	0.001901958
2047 Dec	0.002071011	0.066561662	9.02889E-06	16.8921032	14.33716202	0.12399742	0.005894999	21.5471077	0.007972189	0.087937899	0.000912109	0.001841391	0.000804354	0.791167796	1.38365E-05	0.00363292	0.00075541	0.002185195	0.001905738
2048 Jan	0.002071792	0.066575594	9.03422E-06	16.90678024	14.34819317	0.124120079	0.005908583	21.5633831	0.007975556	0.087945029	0.000912419	0.001842542	0.000805268	0.791695416	1.38797E-05	0.003634931	0.00075573	0.002186158	0.001907195
2048 Feb	0.002072377	0.066602938	9.03763E-06	16.91790581	14.35701942	0.12423379	0.005923665	21.57410049	0.007977436	0.087973386	0.000912615	0.001843199	0.000806099	0.792017043	1.3931E-05	0.003635866	0.00075603	0.002187212	0.001908182
2048 Mar	0.002072413	0.066609785	9.03864E-06	16.92465973	14.3620882	0.124313712	0.005937206	21.57917404	0.007977252	0.087979093	0.000912569	0.001843381	0.000806722	0.792132914	1.39786E-05	0.00363587	0.000756117	0.00218769	0.001908679
2048 Apr	0.00207997	0.066864744	9.07256E-06	16.99240494	14.41900158	0.124843352	0.005971265	21.66253281	0.008005983	0.088298559	0.000915845	0.001850242	0.000810227	0.795122027	1.40733E-05	0.003649065	0.000758979	0.002196038	0.001916065
2048 May	0.00211213	0.067905277	9.21381E-06	17.26165771	14.64678478	0.126851723	0.006076701	22.00245285	0.008129481	0.092415601	0.00092995	0.00187902	0.000823356	0.807527542	1.4337E-05	0.003705473	0.000770797	0.002230397	0.001946167
2048 Jun	0.001881943	0.067223281	8.9523E-06	14.96804333	12.74955654	0.111026555	0.005291259	19.18502617	0.007097896	0.084358491	0.000811081	0.001638562	0.000715091	0.700565755	1.26894E-05	0.003194476	0.000711659	0.002120325	0.00167634
2048 Jul	0.001736413	0.06738773	8.9177E-06	13.67702866	11.66137981	0.102796637	0.00513071	17.4597702	0.006441392	0.080193765	0.00073347	0.001493087	0.000661917	0.635071337	1.28449E-05	0.002869403	0.000678982	0.002084027	0.001516857
2048 Aug	0.001964252	0.067918047	9.33458E-06	16.03085709	13.61270142	0.117375307	0.005768637	19.3198452	0.007644258	0.08337447	0.000866234	0.001766688	0.000769652	0.746687651	1.36165E-05	0.003447223	0.000747812	0.00223083	0.001806984
2048 Sep	0.002055981	0.067099743	9.51436E-06	17.12318611	14.48783588	0.123808004	0.006093118	20.1639061	0.008163864	0.085045494	0.000920256	0.001890158	0.000818974	0.797791004	1.40423E-05	0.003711044	0.00077072	0.002271922	0.001941079
2048 Oct	0.002045936	0.066432223	9.56791E-06	17.18543434	14.49941444	0.124047711	0.006195592	20.26966476	0.008124742	0.087995023	0.000911947	0.001890013	0.000824187	0.79909122	1.4371E-05	0.003710506	0.000763355	0.002251416	0.001945311
2048 Nov	0.002048088	0.066467382	9.61532E-06	17.24157333	14.53469467	0.124398865	0.006239452	20.35660744	0.008129984	0.090360731	0.000911307	0.001893969	0.000827239	0.801252306	1.45025E-05	0.003718029	0.000763061	0.002251299	0.001950622
2048 Dec	0.002049211	0.066493258	9.62223E-06	17.25740242	14.5469017	0.124523766	0.006251706	20.37468147	0.008134579	0.090385377	0.000911753	0.001895336	0.000828161	0.80186528	1.45402E-05	0.003720524	0.000763474	0.002252603	0.00195225
2049 Jan	0.00204929	0.066503741	9.62336E-06	17.26267433	14.55093002	0.124586761	0.00626197	20.3789711	0.008134526	0.090389863	0.000911731	0.001895488	0.000828639	0.801963031	1.45762E-05	0.003720556	0.000763564	0.002253008	0.001952639
2049 Feb	0.002049332	0.06651409	9.62434E-06	17.26919556	14.55587673	0.124666639	0.006275228	20.38402939	0.008134296	0.090394728	0.000911689	0.001895652	0.000829245	0.802073359	1.4623E-05	0.003720525	0.000763666	0.002253473	0.00195311
2049 Mar	0.002050724	0.066565149	9.63165E-06	17.28721428	14.57046413	0.124827772	0.006292674	20.40257263	0.008139472	0.090459809	0.000912246	0.001897078	0.000830404	0.802716196	1.46794E-05	0.003722977	0.000764257	0.002255427	0.001954885
2049 Apr	0.002058279	0.066814743	9.66793E-06	17.35749054	14.62904549	0.125366405	0.006329554	20.48264313	0.008169223	0.090797268	0.000915542	0.00190422	0.000834084	0.805777371	1.47818E-05	0.003736633	0.000767141	0.002264179	0.001962561
2049 May	0.002088826	0.067932889	9.81574E-06	17.61717224	14.84871578	0.127330273	0.006433249	20.79104614	0.008288267	0.094845504	0.000929378	0.001932202	0.000846827	0.817716777	1.50384E-05	0.003790984	0.000779159	0.002298316	0.001991528
2049 Jun	0.00183365	0.067693666	9.44041E-06	14.94184017	12.65701199	0.109360956	0.005439365	17.82214165	0.007091828	0.08450444	0.000796949	0.001650216	0.000718458	0.694900572	1.2904E-05	0.00319689	0.000712893	0.002161328	0.001676337
2049 Jul	0.001754479	0.067744993	9.45317E-06	14.30380058	12.10294914	0.105530553	0.005447499	17.03401756	0.006724076	0.083124705	0.000752998	0.001573278	0.000694362	0.660886049	1.33422E-05	0.00302079	0.000694821	0.002144139	0.001594261
2049 Aug	0.001966745	0.070549093	1.00367E-05	16.44935608	13.88742256	0.120124646	0.006274249	18.94732285	0.007745244	0.091068208	0.000866694	0.001809974	0.000799138	0.758726418	1.50976E-05	0.003503611	0.000767028	0.002324632	0.001847817
2049 Sep	0.002095777	0.069304071	1.01493E-05	17.87167168	15.05380821	0.128400028	0.006609643	19.99931717	0.008475048	0.091498874	0.000945628	0.001976232	0.000862559	0.826897323	1.53087E-05	0.003863911	0.000800185	0.002376768	0.002026946
2049 Oct	0.002098587	0.068529531	1.01881E-05	18.0655098	15.1782732	0.129512206	0.006766349	20.20301437	0.008501949	0.093633384	0.000944819	0.001990041	0.000873408	0.834159911	1.57466E-05	0.003894192	0.000795701	0.002360115	0.002047379
2049 Nov	0.002111176	0.068483382	1.02894E-05	18.31412315	15.35603428	0.131297782	0.006940282	20.51667404	0.008561604	0.096066579	0.00094956	0.002011547	0.000887157	0.844005525	1.62632E-05	0.00393446	0.000799384	0.002370056	0.002073291
2049 Dec	0.002113621	0.068505369	1.0305E-05	18.35173225	15.38410568	0.13156943	0.00696362	20.56212807	0.008572863	0.096079201	0.000950622	0.002015044	0.000889179	0.845552444	1.63303E-05	0.003941074	0.000800229	0.0023724	0.002077312
2050 Jan	0.002113889	0.06851849	1.03074E-05	18.36125755	15.39133167	0.131670356	0.006978767	20.57079697	0.008573592	0.096087903	0.000950668	0.002015487	0.000889948	0.845785975	1.63825E-05	0.003941573	0.000800399	0.002373102	0.002078104
2050 Feb	0.002113849	0.068527289	1.03085E-05	18.37193871	15.39928436	0.131802201	0.007001818	20.57878494	0.008572794	0.096092232	0.000950539	0.002015687	0.000890977	0.845940709	1.64641E-05	0.003941354	0.000800509	0.002373798	0.002078848
2050 Mar	0.002114043	0.068539537	1.03103E-05	18.38104057	15.40623188	0.131904095	0.007018018	20.58629227	0.008573161	0.0961053	0.000950551	0.002016034	0.000891762	0.84613353	1.65206E-05	0.003941626	0.000800663	0.002374514	0.002079568
2050 Apr	0.002119777	0.068729654	1.0339E-05	18.43743706	15.45288754	0.132340178	0.007050681	20.64707947	0.008596071	0.096369997	0.000953064	0.002021651	0.000894798	0.848531187	1.66135E-05	0.003952252	0.000802901	0.002381393	0.002085678
2050 May	0.002145971	0.069665104	1.04697E-05	18.66868401	15.64708328	0.134070918	0.007149044	20.90703011	0.008700662	0.100269087	0.000964976	0.002046462	0.000906303	0.859027386	1.68606E-05	0.004000258	0.000813261	0.002411321	0.002111474
2050 Jun	0.001941578	0.072183274	1.01358E-05	16.33918762	13.79007435	0.11995551	0.006256537	18.52713585	0.007670715	0.092060544	0.000864157	0.001798321	0.000794398	0.753841519	1.49562E-05	0.003478446	0.000769964	0.002294516	0.001834035
2050 Jul	0.001823016	0.071115933	9.91927E-06	15.28421497	12.8998661	0.113226943	0.006090687	17.33717346	0.007120865	0.088479772	0.00080094	0.001675159	0.000749759	0.701074839	1.49875E-05	0.003213805	0.000734331	0.002227615	0.001704618
2050 Aug	0.001965781	0.072902054	1.03335E-05	16.79999542	14.14754963	0.123655528	0.006748889	18.68657112	0.007809498	0.094818972	0.000876845	0.001837972	0.000825644	0.768802166	1.65091E-05	0.003543999	0.000781599	0.002347839	0.001881858
2050 Sep	0.002059576	0.072285093	1.04457E-05	17.84690285	15.00466537	0.13006407	0.007081996	19.50431252	0.008320515	0.09692625	0.000931745	0.001955504	0.000874641	0.817518353	1.7018E-05	0.003795491	0.000805798	0.002392872	0.002010779
2050 Oct	0.002099951	0.072568402	1.05827E-05	18.39762306	15.44068146	0.13415806	0.007456285	20.01615143	0.008514958	0.102053344	0.000951789	0.002006746	0.000905591	0.839701533	1.80884E-05	0.003895447	0.000818905	0.002427743	0.002071202
2050 Nov	0.002115337	0.072703935	1.06549E-05	18.6418438	15.62882805	0.136069655	0.007648709	20.26641846	0.008587153	0.105031878	0.000959001	0.002027978	0.00091998	0.84905076	1.86734E-05	0.003934828	0.000824543	0.002443981	0.002096876
2050 Dec	0.002116995	0.072727293	1.0666E-05	18.67346573	15.65257835	0.136333093	0.007679035	20.30094337	0.008594276	0.105055243	0.000959645	0.002030417	0.00092198	0.850166142	1.87706E-05	0.003939052	0.000825191	0.002446128	0.002100005
2051 Jan	0.002117661	0.072735623	1.06708E-05	18.68804169	15.66342449	0.136458352	0.007694073	20.3168602	0.008597143	0.105056774	0.000959895	0.00203148	0.00092293	0.850661576	1.88195E-05	0.003940845	0.000825466	0.002447021	0.002101419
2051 Feb	0.002117832	0.072744854	1.06724E-05	18.69601822	15.66946125	0.136545688	0.007707657	20.32378578	0.008597534	0.105065674	0.000959911	0.00203181	0.000923599	0.850840986	1.88667E-05	0.003941153	0.000825597	0.002447597	0.002102063
2051 Mar	0.002118728	0.072779551	1.06776E-05	18.71021271	15.68076992	0.1366788	0.007724026	20.337183	0.008600834	0.105113186	0.000960253	0.00203281	0.000924583	0.851299524	1.89209E-05	0.003942755	0.000826009	0.00244905	0.002103403
2051 Apr	0.002127099	0.073070168	1.07205E-05	18.79069328	15.74759197	0.137296721	0.007768165	20.42252541	0.008634477	0.105531871	0.00096398	0.002040992	0.000928854	0.854766309	1.90437E-05	0.003958274	0.000829334	0.00245916	0.002112187
2051 May	0.002170243	0.074514993	1.09628E-05	19.22242737	16.09449196	0.140416056	0.007900709	20.96472168	0.008817319	0.106486619	0.000985466	0.002088579	0.000948711	0.875222206	1.93082E-05	0.004051649	0.000847257	0.00250106	0.002161089
2051 Jun	0.002012071	0.074846625	1.06514E-05	17.72525215	14.83716869	0.131224498	0.006995915	19.80208397	0.008110149	0.088902429	0.000924985	0.001938782	0.000866999	0.813534677	1.68341E-05	0.003742679	0.000818988	0.002350939	0.001987956
2051 Jul	0.002030404	0.075228609	1.07889E-05	18.11587143	15.13685036	0.134653673	0.007469251	20.08254051	0.008197458	0.086726554	0.000932051	0.001967475	0.000894745	0.825385511	1.84003E-05	0.003786467	0.000828841	0.00239443	0.002025634
2051 Aug	0.002286345	0.074657165	1.10287E-05	20.71933746	17.319561	0.150601298	0.008138417	22.03625679	0.009572598	0.083665021	0.001085244	0.002272327	0.001013332	0.949472368	1.90786E-05	0.004439079	0.000902189	0.002539683	0.002352398
2051 Sep	0.002347208	0.072463982	1.09027E-05	21.41648293	17.89512634	0.154144704	0.008279678	22.44438362	0.009950632	0.07894066	0.001124121	0.002353803	0.001043668	0.983189344	1.90297E-05	0.004626599	0.000909732	0.002534444	0.002444431
2051 Oct	0.002228383	0.069430098	1.05339E-05	20.30055618	16.93976402	0.145780116	0.007913648	21.44261742	0.009373881	0.072063781	0.001052002	0.002221297	0.0009896	0.931179583	1.82791E-05	0.004369576	0.000853122	0.002389318	0.002311852
2051 Nov	0.002230945	0.069467716	1.05879E-05	20.36326599	16.97880363	0.146190464	0.007966779	21.55602837	0.009377469	0.071684301	0.001050961	0.002225337	0.000993107	0.93352145	1.84477E-05	0.004376927	0.000852723	0.00238987	0.002317552
2051 Dec	0.00223343	0.069483995	1.06036E-05	20.39885712	17.00521851	0.146429494	0.007983524	21.60121346	0.009389195	0.071689509	0.001052073	0.002228892	0.000994869	0.93507719	1.8491E-05	0.004383839	0.000853541	0.002391967	0.002321487
2052 Jan	0.002233455	0.069491103	1.0605E-05	20.40702629	17.01126099	0.146525979	0.007999924	21.60812187	0.009388804	0.071693763	0.00105199	0.002229097	0.000995621	0.935217142	1.85488E-05	0.004383812	0.000853629	0.002392494	0.00232208
2052 Feb	0.002233766	0.069511965	1.06079E-05	20.4214859	17.02231407	0.146688655	0.008025701	21.6200943	0.009389379	0.071715102	0.00105201	0.002229646	0.000996868	0.935523093	1.86387E-05	0.004384234	0.00085388	0.002393638	0.00232322
2052 Mar	0.002235926	0.069587134	1.06195E-05	20.45259857	17.04723167	0.146967515	0.008057406	21.64972305	0.00939779	0.071795814	0.001052904	0.002232046	0.000998912	0.936601579	1.87414E-05	0.00438832	0.000854821	0.00239674	0.002326273
2052 Apr	0.002240848	0.069745012	1.06437E-05	20.50453949	17.08990669	0.147374243	0.008089684	21.70269394	0.009418081	0.071960829	0.001055147	0.00223711	0.001001767	0.938769758	1.88341E-05	0.004397891	0.000856773	0.002402496	0.002331886
2052 May	0.002253373	0.071710236	1.07408E-05	20.55376434	17.15223885	0.148528337	0.008110154	21.80487823	0.009442626	0.072063461	0.001064101	0.002242004	0.001004534	0.941590786	1.89044E-05	0.004404122	0.000868436	0.002419723	0.002335273
2052 Jun	0.00217783	0.076115094	1.06465E-05	19.59009933	16.4291172	0.144778103	0.007788026	20.96921539	0.009000348	0.067986406	0.00103649	0.002134957	0.000960369	0.898566365	1.83523E-05	0.004172107	0.000869899	0.00238202	0.00221478
2052 Jul	0.00227708	0.077655695	1.10328E-05	20.72885323	17.34563446	0.152870074	0.008411109	22.03503799	0.009461021	0.067830592	0.001085401	0.002249907	0.001020588	0.947053611	2.00129E-05	0.004398791	0.00090162	0.00247464	0.002343484
2052 Aug	0.002465022	0.078249305	1.1354E-05	22.69685364	18.9803524	0.165600017	0.009080081	23.63545227	0.010432048	0.067373969	0.001193023	0.002471567	0.00111439	1.03807199	2.12066E-05	0.004862408	0.00095954	0.00260354	0.002583337
2052 Sep	0.002542213	0.077241108	1.14193E-05	23.5892601	19.70579147	0.170976385	0.009382325	24.34291458	0.010859749	0.065509506	0.001237656	0.002570624	0.001156547	1.079177141	2.17109E-05	0.005074685	0.000978103	0.002638463	0.002693448
2052 Oct	0.002576103	0.076948591	1.15415E-05	24.07793427	20.07872963	0.174198613	0.009644598	24.85354614	0.011032541	0.064758062	0.001253825	0.002618321	0.001181766	1.099962711	2.23914E-05	0.005171055	0.000986648	0.002658462	0.002748805
2052 Nov	0.002586958	0.077141061	1.16016E-05	24.22376442	20.19147873	0.175284639	0.009735839	25.01799011	0.011080883	0.064920276	0.001258742	0.002632091	0.001189694	1.105977774	2.26537E-05	0.005197139	0.000990638	0.002669688	0.00276451
2052 Dec	0.002589751	0.077152632	1.16196E-05	24.26520348	20.22204018	0.175562739	0.009755702	25.07089233	0.011094231	0.064924181	0.001259993	0.002636206	0.001191754	1.107780337	2.27055E-05	0.00520512	0.000991555	0.002672026	0.002769086

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.002590438	0.077159725	1.16249E-05	24.2814579	20.23402023	0.175703168	0.009772969	25.08897209	0.011097164	0.064930327	0.001260232	0.002637362	0.001192825	1.108323336	2.2762E-05	0.005207036	0.000991842	0.002672997	0.002770647
2053 Feb	0.002591394	0.077190705	1.16302E-05	24.29679298	20.24610901	0.175841391	0.009788879	25.10402298	0.011100958	0.064956941	0.001260628	0.002638516	0.001193837	1.108849168	2.28137E-05	0.005208987	0.000992268	0.002674343	0.002772143
2053 Mar	0.002594858	0.077298991	1.16466E-05	24.33542252	20.27775383	0.176151052	0.009815003	25.14234161	0.011115413	0.06505122	0.001262244	0.002642171	0.001196019	1.110424399	2.28903E-05	0.005215853	0.00099366	0.002678356	0.002776281
2053 Apr	0.002605942	0.077633321	1.16972E-05	24.44586563	20.36919212	0.176981375	0.009870614	25.25474548	0.011162507	0.06533701	0.001267562	0.002653596	0.001201744	1.115266442	2.30365E-05	0.005238045	0.000997967	0.002690256	0.002788601
2053 May	0.002643581	0.081065655	1.20429E-05	24.82276154	20.66636658	0.180628508	0.009846525	26.01146126	0.011295614	0.063948505	0.001293981	0.002697823	0.001215143	1.13640368	2.27848E-05	0.005322136	0.001025682	0.002715999	0.002829427
2053 Jun	0.002461836	0.084298007	1.15421E-05	22.84591103	19.10619354	0.170574769	0.009025407	24.33821678	0.01037282	0.056251857	0.001222437	0.002481876	0.001118817	1.049578428	2.0973E-05	0.00487297	0.000997538	0.002558366	0.002591395
2053 Jul	0.002605368	0.086027257	1.19637E-05	24.51638985	20.47112465	0.182720363	0.009960521	25.78507614	0.011070754	0.056976054	0.001298883	0.002652004	0.001208156	1.120451808	2.34564E-05	0.005208833	0.001049408	0.002694879	0.002782
2053 Aug	0.00296482	0.087404549	1.25866E-05	28.18626785	23.52692223	0.206076533	0.011017556	28.82780075	0.012931741	0.057207584	0.001506832	0.003075869	0.00137791	1.293573618	2.49649E-05	0.006097517	0.001164473	0.002942527	0.003234301
2053 Sep	0.003119404	0.088942252	1.31933E-05	29.97885513	24.94694328	0.218078822	0.011719391	30.72553062	0.013681385	0.058075067	0.001586731	0.0032681	0.00146449	1.374818921	2.65232E-05	0.006484163	0.00121688	0.003068374	0.003442396
2053 Oct	0.003176435	0.088932618	1.34428E-05	30.75519943	25.53993225	0.223221838	0.012077346	31.5909729	0.0139675	0.057991918	0.001615045	0.003347488	0.001503096	1.40886724	2.74079E-05	0.006642228	0.001234672	0.003111527	0.00353085
2053 Nov	0.003178703	0.088766515	1.34607E-05	30.81364822	25.57943726	0.223571837	0.01211931	31.66506004	0.013979734	0.057801228	0.001615364	0.003352299	0.001506292	1.41112864	2.75307E-05	0.006651755	0.001234433	0.003111657	0.003537078
2053 Dec	0.003180112	0.08876773	1.34708E-05	30.83601952	25.59564209	0.223720938	0.012130661	31.69458008	0.013986423	0.057799689	0.001615948	0.003354468	0.001507416	1.412089109	2.75612E-05	0.006655934	0.001234869	0.003112825	0.003539522
2054 Jan	0.003180248	0.088770583	1.34735E-05	30.84690285	25.60347176	0.223834261	0.012148645	31.70559502	0.013986596	0.057805799	0.00161589	0.003354919	0.001508307	1.412340045	2.76236E-05	0.006656362	0.001234978	0.003113452	0.0035404
2054 Feb	0.003180602	0.088788681	1.3476E-05	30.85676956	25.61111259	0.223938689	0.012163638	31.71442413	0.013987686	0.057820234	0.00161599	0.00335542	0.001509087	1.41259551	2.76751E-05	0.006656982	0.001235196	0.003114253	0.00354124
2054 Mar	0.003180647	0.088796452	1.34771E-05	30.86337852	25.61608315	0.224017739	0.012177089	31.71966171	0.013987453	0.057829887	0.001615937	0.003355586	0.001509701	1.41270566	2.77225E-05	0.006656951	0.001235283	0.003114753	0.003541718
2054 Apr	0.003192243	0.089125283	1.35271E-05	30.98237991	25.71429253	0.224912882	0.012235311	31.84030151	0.014038026	0.058049988	0.00162175	0.003367951	0.001515826	1.41795218	2.78726E-05	0.006681108	0.001239851	0.003126583	0.003555084
2054 May	0.003219452	0.090983212	1.36742E-05	31.20301247	25.91113281	0.227073744	0.012329865	32.10342026	0.014136727	0.058456931	0.001637282	0.003391242	0.001527037	1.428313851	2.81149E-05	0.006724691	0.001255089	0.003156825	0.003578666
2054 Jun	0.00292505	0.091865204	1.2817E-05	27.86648178	23.25311279	0.206611797	0.010954289	28.96355531	0.012664757	0.052137956	0.001495486	0.003032815	0.001363934	1.279440045	2.50485E-05	0.005988756	0.001179219	0.002927787	0.003184357
2054 Jul	0.002857594	0.090667151	1.27372E-05	27.28201294	22.73988914	0.202537477	0.010904833	28.41616058	0.012331797	0.050386027	0.001452309	0.002960684	0.001339891	1.249162078	2.52644E-05	0.005833293	0.001152356	0.002891577	0.003110608
2054 Aug	0.002974965	0.090474546	1.29596E-05	28.5279007	23.76214981	0.210198939	0.01130353	29.45807838	0.012942947	0.049740069	0.001517017	0.003100944	0.001398339	1.307061672	2.59217E-05	0.006129413	0.001183735	0.002966128	0.003263502
2054 Sep	0.003061629	0.089597203	1.30564E-05	29.50648499	24.56235886	0.216192111	0.011668087	30.22064018	0.013412995	0.048876189	0.001565646	0.003208698	0.001445612	1.351536512	2.66123E-05	0.006358148	0.001205145	0.00301527	0.003383641
2054 Oct	0.003054978	0.088421941	1.29874E-05	29.55045128	24.58159828	0.216326803	0.011800473	30.21421432	0.013394577	0.04795355	0.001559564	0.00320658	0.00145049	1.35128212	2.70599E-05	0.006355383	0.001197233	0.002999711	0.003387418
2054 Nov	0.003046391	0.088113338	1.29724E-05	29.51155853	24.5406456	0.216115013	0.011854424	30.18360138	0.013350323	0.04769659	0.001553075	0.003198159	0.001450265	1.348243117	2.72891E-05	0.006337082	0.001192729	0.002991992	0.003380979
2054 Dec	0.003050049	0.088126011	1.29966E-05	29.56687355	24.58128166	0.216487035	0.011881831	30.25459862	0.013367748	0.047706183	0.001554678	0.003203601	0.001453037	1.350632548	2.73618E-05	0.006347598	0.001193917	0.002995101	0.003387068
2055 Jan	0.003050329	0.088127792	1.29998E-05	29.57632637	24.58804703	0.216572464	0.011893331	30.26561165	0.013368817	0.047709115	0.001554726	0.003204186	0.001453695	1.350922108	2.74004E-05	0.006348483	0.001194043	0.002995594	0.003387929
2055 Feb	0.003050227	0.088134326	1.30002E-05	29.58125114	24.59167671	0.216640353	0.011905877	30.26928139	0.013367888	0.047716398	0.001554599	0.003204179	0.001454221	1.350960851	2.74455E-05	0.006348112	0.001194085	0.002995935	0.003388216
2055 Mar	0.003051182	0.088168465	1.30052E-05	29.5965538	24.60388756	0.216782555	0.011922599	30.28346062	0.01337165	0.047740467	0.001555012	0.003205298	0.001455257	1.351472259	2.75001E-05	0.006349976	0.001194528	0.002997319	0.003389694
2055 Apr	0.003060288	0.088436581	1.30449E-05	29.69121361	24.68202591	0.2175062	0.011971698	30.37873268	0.013411142	0.047892477	0.001559575	0.003214991	0.001460206	1.355599284	2.76301E-05	0.006368815	0.001198157	0.003006727	0.003400254
2055 May	0.00310044	0.089588277	1.32179E-05	30.09025955	25.01244545	0.220456973	0.012145037	30.78703308	0.0135869	0.048525017	0.001579928	0.003257533	0.001480155	1.373590112	2.80493E-05	0.006452666	0.001213911	0.003046612	0.003445623
2055 Jun	0.002809384	0.084657729	1.25688E-05	27.06685066	22.48179054	0.198255435	0.010860623	27.93711472	0.01222235	0.043146573	0.001415934	0.002940061	0.001329397	1.236462235	2.51504E-05	0.005795483	0.001115971	0.002860577	0.003093098
2055 Jul	0.002763306	0.084382199	1.25266E-05	26.73012543	22.19338417	0.196719721	0.011094531	27.48715973	0.011986708	0.042025089	0.001385572	0.002889005	0.00132306	1.214336276	2.62837E-05	0.005674322	0.001103545	0.00286538	0.003044664
2055 Aug	0.002978549	0.086142071	1.29773E-05	28.96277046	24.05297661	0.211683631	0.01193321	29.34549904	0.013066563	0.042692691	0.001506484	0.003136879	0.001431685	1.316395879	2.79729E-05	0.006186291	0.001174263	0.00302949	0.003313818
2055 Sep	0.003058425	0.085100599	1.30262E-05	29.84316063	24.77708244	0.216897503	0.012210519	30.01327515	0.013507717	0.041850153	0.001552598	0.003236225	0.00147288	1.357302666	2.83872E-05	0.006400509	0.001192932	0.003067454	0.003424167
2055 Oct	0.003086801	0.085228756	1.31351E-05	30.25875664	25.10106659	0.220014885	0.012518185	30.41869354	0.013641848	0.041929189	0.001565682	0.003273276	0.001496814	1.373571634	2.92962E-05	0.006471683	0.001201802	0.003092871	0.003469072
2055 Nov	0.003097385	0.085309573	1.32014E-05	30.41879463	25.22050667	0.221152157	0.012616145	30.61231804	0.013690197	0.041974254	0.00157012	0.003288163	0.001505368	1.380178332	2.9576E-05	0.00650007	0.001205217	0.003102515	0.003486315
2055 Dec	0.003100471	0.085296646	1.32226E-05	30.465168	25.25385857	0.22143653	0.012632616	30.67593384	0.013705473	0.041965991	0.001571476	0.003292986	0.001507498	1.382288814	2.96123E-05	0.006509623	0.001206114	0.003104628	0.003491571
2056 Jan	0.003100775	0.08531142	1.32254E-05	30.47469521	25.26106071	0.2215354	0.012646979	30.68521118	0.013706326	0.04197716	0.001571532	0.003293461	0.001508244	1.38253653	2.96616E-05	0.006510204	0.001206294	0.003105333	0.003492376
2056 Feb	0.00310094	0.085327625	1.3227E-05	30.48219299	25.26685905	0.221623585	0.012660699	30.6915226	0.01370653	0.041988891	0.001571541	0.003293725	0.0015089	1.382691145	2.97096E-05	0.006510363	0.001206448	0.003105941	0.003492951
2056 Mar	0.003102329	0.08537358	1.32338E-05	30.50190735	25.28271866	0.221798405	0.012679506	30.71002579	0.013712216	0.042017329	0.00157217	0.00329531	0.001510161	1.383397818	2.97695E-05	0.00651314	0.001207063	0.00310778	0.003494931
2056 Apr	0.003113315	0.08568155	1.32815E-05	30.61607361	25.37683296	0.222658917	0.012737595	30.82356262	0.01376035	0.042175822	0.001577662	0.0033071	0.0015161	1.388387084	2.99217E-05	0.006536086	0.001211402	0.003119234	0.003507735
2056 May	0.00311652	0.088716768	1.33676E-05	30.5087471	25.32926559	0.223344415	0.01270084	30.79691696	0.013718357	0.042142257	0.001584	0.003294561	0.001511642	1.384455204	2.98854E-05	0.006505001	0.001224927	0.003131604	0.003491334
2056 Jun	0.002843424	0.091882095	1.25295E-05	27.30193901	22.81672096	0.205082238	0.011399763	27.841959	0.012306051	0.03799998	0.001459498	0.002946647	0.001356046	1.242084026	2.70307E-05	0.005790728	0.001163768	0.002908864	0.003109047
2056 Jul	0.002973427	0.094864994	1.30714E-05	28.78702736	24.02462769	0.216354311	0.012293546	29.25465202	0.01289012	0.039207101	0.001524094	0.003093344	0.001436967	1.304243207	2.95249E-05	0.006073194	0.001213215	0.003046494	0.003273776
2056 Aug	0.003204187	0.095010936	1.34022E-05	31.1544342	25.99703789	0.231161356	0.012991934	31.13626862	0.014099287	0.038980257	0.001657548	0.003366061	0.001546992	1.415455341	3.05358E-05	0.006648878	0.001281979	0.003196607	0.003568278
2056 Sep	0.003390569	0.095090993	1.36856E-05	33.10640717	27.61537933	0.243472576	0.013591585	32.73191071	0.015076364	0.038897824	0.001765074	0.003589249	0.001638149	1.50676167	3.14668E-05	0.00711814	0.001339206	0.003319028	0.003809682
2056 Oct	0.003362536	0.093747288	1.36684E-05	32.93001556	27.4291153	0.2417299	0.013533268	32.70074081	0.01494433	0.038182843	0.001744802	0.003566081	0.001628884	1.498237252	3.13656E-05	0.007072346	0.001323373	0.003284368	0.003787517
2056 Nov	0.003362898	0.093610249	1.37078E-05	32.96559143	27.44503784	0.241845161	0.013544661	32.7928009	0.014943613	0.038085382	0.001743296	0.003568986	0.001630253	1.49982965	3.13944E-05	0.007077937	0.001322312	0.003282857	0.003791021
2056 Dec	0.003365306	0.09361428	1.37248E-05	33.00391769	27.47291946	0.242104575	0.013564915	32.84274292	0.014955033	0.038093042	0.001744308	0.003572676	0.001632203	1.501461506	3.14498E-05	0.007085012	0.001323078	0.003284926	0.003795202
2057 Jan	0.003365505	0.093628928	1.37269E-05	33.01264191	27.47957802	0.242202848	0.013580486	32.85021591	0.014955337	0.038106374	0.00174431	0.003573001	0.001632955	1.50164628	3.15042E-05	0.007085252	0.001323231	0.003285628	0.003795883
2057 Feb	0.003365582	0.093640663	1.37281E-05	33.01929092	27.48463631	0.24228327	0.01359373	32.85564804	0.014955187	0.038117141	0.001744274	0.003573179	0.001633566	1.501763344	3.15509E-05	0.007085249	0.001323341	0.003286148	0.003796366
2057 Mar	0.00336843	0.093728088	1.37411E-05	33.05663681	27.51489067	0.242602572	0.013625352	32.89080429	0.014967203	0.038164835	0.001745632	0.00357639	0.001635849	1.503172994	3.16489E-05	0.00709107	0.001324558	0.003289622	0.003800234
2057 Apr	0.003380951	0.094083302	1.37935E-05	33.18938065	27.62448692	0.243622929	0.013696974	33.02074432	0.015022205	0.038322806	0.001751999	0.003589888	0.001642872	1.508907914	3.18408E-05	0.007117268	0.001329576	0.003302573	0.003815053
2057 May	0.003426779	0.096124053	1.40033E-05	33.60842896	27.98283768	0.247088492	0.013875789	33.46308899	0.015210885	0.038830478	0.001776856	0.003634697	0.001663923	1.528130174	3.22762E-05	0.007204255	0.001350813	0.003349941	0.003861989
2057 Jun	0.003073689	0.095330887	1.30761E-05	29.67167282	24.80366516	0.22169356	0.012296385	29.80690575	0.013449117	0.034853082	0.001593375	0.003210583	0.001471808	1.350717425	2.88537E-05	0.006330371	0.001249258	0.003094344	0.003395123
2057 Jul	0.003141059	0.097226873	1.3438E-05	30.43054962	25.41508484	0.227419078	0.012759039	30.55774307	0.013742026	0.035350736	0.00162445	0.003286195	0.001513241	1.382281184	3.01724E-05	0.006471748	0.001276746	0.003179807	0.003478326
2057 Aug	0.003530879	0.100651808	1.42469E-05	34.3719101	28.70938492	0.253468931	0.01403534	33.87399292	0.015705913	0.036546487	0.001846762	0.003734731	0.001699558	1.566155076	3.23735E-05	0.007402333	0.001408361	0.003472985	0.003959648
2057 Sep	0.003633091	0.101153493	1.45978E-05	35.57273483	29.66203499	0.261366248	0.014519167	35.09030151	0.016212711	0.036757927	0.001899749	0.003862899	0.001757939	1.620263219	3.34485E-05	0.007662688	0.001440477	0.00355015	0.0041006
2057 Oct	0.003644758	0.100374915	1.47471E-05	35.88792801	29.86429977	0.263164788	0.014692434	35.58200073	0.016273748	0.036496583	0.001901045	0.003890892	0.001773592	1.633339763	3.39339E-05	0.007716814	0.001440293	0.003552956	0.004134323
2057 Nov	0.003653961	0.100479007	1.48143E-05	36.05884933	29.99089813	0.264525801	0.014842425	35.78107452	0.016313195	0.036604967	0.001904407	0.003904575	0.001783973	1.639602304	3.44075E-05	0.007741049	0.001443588	0.003563907	0.004151533
2057 Dec	0.003656378	0.100494295	1.48301E-05	36.09441376	30.01719093	0.2647672	0.014860241	35.82637787	0.016324533	0.036615983	0.001905464	0.00390807	0.001785763	1.641137004	3.4455E-05	0.007747797	0.001444385	0.003566012	0.00415545
2058 Jan	0.003656657	0.100487314	1.48339E-05	36.10399246	30.02372169	0.264843404	0.014869578	35.83937836	0.016325768	0.036617614	0.001905501	0.003908754	0.00178636	1.641468287	3.44854E-05	0.00774894	0.001444472	0.003566359	0.00415637
2058 Feb	0.003656669	0.100491792	1.48351E-05	36.10985565	30.02796555	0.264911115	0.014880845	35.84501266	0.016325468	0.036625046	0.001905431	0.003908918	0.001786883	1.641576886	3.45251E-05	0.007748958	0.001444533	0.003566716	0.0041568
2058 Mar	0.003657426	0.100517876	1.48395E-05	36.12516022	30.03993988	0.265059054	0.014900189	35.85892868	0.01632835	0.036644828	0.001905726	0.003909901	0.001787989	1.642040253	3.45898E-05	0.007750467	0.001444906	0.003567998	0.004158216
2058 Apr	0.003665761	0.100752391	1.48744E-05	36.21486282	30.11387253	0.265751988	0.014949863	35.9464035	0.016365075	0.036740679	0.001909976	0.003918962	0.001792768	1.645891786	3.47243E-05	0.007768002	0.00144827	0.003576671	0.004168208
2058 May	0.003687823	0.103194423	1.51778E-05	36.43218613	30.26758194	0.267738611	0.014830527	36.56866455	0.016429903	0.036227915	0.001924674	0.003947257	0.0017972	1.660034299	3.42125E-05	0.007821891	0.001465914	0.003588038	0.004191848
2058 Jun	0.003240858	0.102006502	1.40303E-05	31.64235497	26.34152222	0.237004235	0.012593835	32.68531036	0.014216135	0.030523475	0.001703655	0.003433677	0.001553607	1.450424314	2.88864E-05	0.006775719	0.00133794	0.003188648	0.003625288
2058 Jul	0.003343544	0.103710912	1.43957E-05	32.83977509	27.31660843	0.24589105	0.013307448	33.75403976	0.014699608	0.031155011	0.001756295	0.003553447	0.001618762	1.500497222	3.08501E-05	0.007008309	0.001376274	0.003295287	0.003760377
2058 Aug	0.00362404	0.104485147	1.48521E-05	35.69810486	29.69887352	0.263944715	0.014133334	36.08280182	0.016156914	0.031357583	0.001918342	0.003883704	0.0017511	1.63520658	3.20239E-05	0.007702519	0.001463808	0.003485533	0.004115793
2058 Sep	0.003668671	0.102687746	1.48644E-05	36.22695923	30.11313438	0.266336322	0.014247389	36.51600266	0.016419951	0.030742919	0.001940999	0.003944773	0.001773881	1.660364866	3.206E-05	0.007838634	0.001467553	0.003494532	0.004184617
2058 Oct	0.003666735	0.101505958	1.48975E-05	36.36539459	30.18696594	0.266940087	0.014403313	36.72099686	0.016416891	0.030443812	0.001934536	0.003952071	0.001782559	1.664507627	3.25649E-05	0.00785286	0.001460428	0.00348494	0.004198154
2058 Nov	0.003674932	0.101537339	1.49438E-05	36.53184128	30.31256294	0.268332571	0.014578554	36.88751602	0.016452765	0.030554323	0.00193747	0.003964184	0.001793517	1.670091867	3.31321E-05	0.00787378	0.001463163	0.003495312	0.004214589
2058 Dec	0.003676022	0.101540498	1.49521E-05	36.55074692	30.32626343	0.268467575	0.014591112	36.91172791	0.016457725	0.030561401	0.001937881	0.003965874	0.001794548	1.670851946	3.31693E-05	0.00787693	0.001463508	0.003496369	0.004216584
2059 Jan	0.003675892	0.101535589	1.49537E-05	36.55764771	30.33089447	0.268545717	0.014605435	36.91911697	0.016456729	0.030569525	0.001937685	0.003965998	0.001795187	1.670957804	3.32202E-05	0.007876773	0.001463495	0.003496674	0.004217056
2059 Feb	0.003675748	0.101541333	1.49542E-05	36.56305695	30.33483887	0.268621176	0.014619839	36.92305756	0.016455535	0.030580476	0.001937519	0.003965959	0.001795782	1.670988798	3.32721E-05	0.007876285	0.001463524	0.003497058	0.004217353
2059 Mar	0.003675567	0.101542793	1.49543E-05	36.567276	30.33783722	0.268681943	0.014632123	36.92592621	0.016454289	0.030589504	0.001937346	0.003965877	0.001796273	1.670993209	3.33166E-05	0.007875766	0.001463518	0.003497338	0.004217559
2059 Apr	0.003685563	0.10182476	1.49961E-05	36.67459488	30.42618752	0.269507617	0.014688758	37.032444	0.016498514	0.030686304	0.001942514	0.00397682	0.001801913	1.675653219	3.34669E-05	0.007897042	0.001467574	0.003507435	0.004229579
2059 May	0.003708888	0.104219049	1.51673E-05	36.84003448	30.57865143	0.271511137	0.014731797	37.30634689	0.016568484	0.03081332	0.001957193	0.003994745	0.001809609	1.684232593	3.3562E-05	0.007928837	0.001484222	0.003533733	0.004246183
2059 Jun	0.003554296	0.107972749	1.48751E-05	34.97058105	29.11186981	0.261484951	0.013994973	35.75812531	0.015714575	0.029474873	0.001883765	0.00378942	0.00171934	1.60125339	3.20418E-05	0.007499296	0.001456259	0.00342518	0.004017834
2059 Jul	0.003757858	0.11416541	1.58092E-05	37.1802063	30.92059708	0.278628707	0.015190174	38.01757431	0.016601238	0.031403601	0.001987284	0.004012851	0.001836086	1.696684003	3.52719E-05	0.007929371	0.001540673	0.003639443	0.004263089
2059 Aug	0.004036511	0.117587171	1.65121E-05	40.06741714	33.31930542	0.298408955	0.016273271	40.55693817	0.01797232	0.032489449	0.002143109	0.004332427	0.001976338	1.828958631	3.74908E-05	0.008583784	0.001638107	0.003861891	0.004609357
2059 Sep	0.004142441	0.116766632	1.66404E-05	41.19199371	34.24356461	0.305022776	0.016595561	41.4564476	0.01854085	0.032277342	0.002202509	0.00446167	0.002027998	1.88175571	3.79205E-05	0.008859499	0.001665623	0.003922921	0.004750886
2059 Oct	0.003948225	0.111487284	1.60541E-05	39.22034454	32.5745697	0.289750963	0.015793042	39.67277908	0.017613836	0.0305568	0.002084583	0.004243587	0.001929372	1.791861296	3.60936E-05	0.008428573	0.001577925	0.003732875	0.004520449
2059 Nov	0.003936938	0.111089297	1.60646E-05	39.14369965	32.49509811	0.289056212	0.015781716	39.66126251	0.017554499	0.030439289	0.002075506	0.004232932	0.001925742	1.787937284	3.61076E-05	0.008406505	0.001571658	0.003721689	0.004510161

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.003937783	0.111067653	1.60748E-05	39.17043304	32.51357269	0.289267629	0.015808845	39.69521713	0.017558284	0.030452488	0.002075644	0.00423483	0.001927446	1.788839698	3.61963E-05	0.008409659	0.001571897	0.003722894	0.004512735
2060 Jan	0.003937761	0.111077234	1.60764E-05	39.17985535	32.52054214	0.289383799	0.015829645	39.70270538	0.017557427	0.030469349	0.002075492	0.00423498	0.001928365	1.788967609	3.62702E-05	0.008409387	0.001571985	0.003723601	0.004513368
2060 Feb	0.003937986	0.111093231	1.60782E-05	39.18805313	32.5268898	0.289476126	0.015843688	39.70966339	0.017557934	0.030481905	0.002075532	0.004235318	0.001929057	1.789152622	3.6319E-05	0.008409696	0.001572155	0.003724272	0.004514026
2060 Mar	0.003939535	0.111143909	1.60856E-05	39.21048355	32.54491425	0.289675981	0.015865065	39.73073959	0.017564338	0.03050629	0.002076258	0.004237118	0.001930492	1.789957762	3.6387E-05	0.008412854	0.001572849	0.003726265	0.004516284
2060 Apr	0.003954661	0.111577012	1.61488E-05	39.37139511	32.67753601	0.290911913	0.015947923	39.89139175	0.017631123	0.030641207	0.002084098	0.004253604	0.00193889	1.796985865	3.66044E-05	0.008444996	0.001578982	0.003741334	0.004534354
2060 May	0.003908093	0.11496637	1.61475E-05	38.69984055	32.16740417	0.288025588	0.015592235	39.47636795	0.017332541	0.030140623	0.002066368	0.004182547	0.001904186	1.769475698	3.57445E-05	0.008294701	0.001580066	0.003708266	0.004451244
2060 Jun	0.003586662	0.115760386	1.51927E-05	35.05031204	29.25955772	0.265728951	0.014155337	36.09849548	0.015703037	0.02774637	0.001907601	0.003785255	0.001727473	1.605484486	3.26655E-05	0.007479725	0.001492893	0.003454491	0.004015856
2060 Jul	0.003800578	0.121411115	1.60367E-05	37.37188721	31.17339706	0.283559859	0.01540944	38.33052063	0.016663218	0.029422633	0.002019554	0.004021494	0.001850401	1.705670953	3.60105E-05	0.007939593	0.001579154	0.003669904	0.004277098
2060 Aug	0.004035355	0.119811647	1.62072E-05	39.71511078	33.13873291	0.297121018	0.015920814	40.03782272	0.017944245	0.029031686	0.002158256	0.004302276	0.001954665	1.818546653	3.62634E-05	0.00854417	0.001642744	0.003805303	0.004579681
2060 Sep	0.003946542	0.112815633	1.56515E-05	38.85158539	32.39366531	0.28810057	0.015359528	39.00645447	0.017630612	0.027224574	0.002105687	0.004217967	0.001905713	1.781745076	3.45504E-05	0.008401464	0.001581547	0.003677734	0.004493454
2060 Oct	0.003912111	0.110932931	1.56233E-05	38.62165833	32.15465164	0.28569001	0.015283422	38.92773056	0.017470365	0.026786301	0.002079492	0.004188737	0.001893715	1.770534039	3.4415E-05	0.008343939	0.00156066	0.003638012	0.004465216
2060 Nov	0.003892972	0.11033383	1.56036E-05	38.45702744	32.00299835	0.284313172	0.015224905	38.82925797	0.017375449	0.02663178	0.002066189	0.004169216	0.001885441	1.762801051	3.43038E-05	0.008304508	0.001551237	0.003619521	0.004445029
2060 Dec	0.003896112	0.110317849	1.56279E-05	38.51071167	32.04128265	0.284667701	0.015253199	38.90148544	0.017390626	0.026644194	0.002067433	0.004174355	0.001888158	1.765079618	3.43815E-05	0.008314329	0.001552172	0.003622181	0.004450886
2061 Jan	0.003896341	0.11030715	1.56324E-05	38.52252197	32.04925537	0.284767538	0.015267131	38.91689682	0.017391538	0.02665131	0.002067392	0.004175086	0.00188896	1.76544404	3.44283E-05	0.008315427	0.001552246	0.003622655	0.004451962
2061 Feb	0.003896139	0.110309087	1.5633E-05	38.5284996	32.05343628	0.284848362	0.015282749	38.92189407	0.017390084	0.026662901	0.002067176	0.004175048	0.001889605	1.765481472	3.44846E-05	0.008314898	0.001552252	0.003623016	0.004452291
2061 Mar	0.003896629	0.110331468	1.56367E-05	38.54460907	32.06580734	0.285019755	0.015308596	38.93571854	0.017391523	0.026685907	0.00206729	0.004175805	0.001890917	1.76587224	3.45737E-05	0.008315755	0.001552557	0.003624303	0.004453639
2061 Apr	0.003911097	0.110747337	1.5696E-05	38.69584274	32.19089127	0.286175966	0.015382793	39.08657455	0.017455559	0.026799364	0.002074862	0.004191473	0.001898716	1.772548079	3.47636E-05	0.008346484	0.001558401	0.003638369	0.004470741
2061 May	0.003869129	0.114265136	1.57578E-05	38.10357666	31.73322296	0.283810884	0.015047149	38.82024384	0.017176103	0.026365798	0.002058912	0.004128741	0.001867352	1.748800874	3.39457E-05	0.0082115	0.00156175	0.003609955	0.004396081
2061 Jun	0.003444264	0.11115285	1.44863E-05	33.54933929	28.02552986	0.254092216	0.013211356	34.6634407	0.015100825	0.023417963	0.001841583	0.003634302	0.001644398	1.543450236	2.9932E-05	0.007201077	0.001430824	0.00326263	0.003855918
2061 Jul	0.003672282	0.115302153	1.52154E-05	35.96595764	30.0232296	0.271477431	0.014302872	36.87424469	0.01617986	0.024556912	0.001964774	0.00389203	0.001766661	1.651096344	3.25432E-05	0.007717123	0.001515318	0.003467505	0.004138202
2061 Aug	0.004020365	0.117254332	1.58267E-05	39.50981522	32.98555374	0.294504434	0.015409487	39.77545929	0.017966647	0.025166314	0.002166067	0.004297822	0.001933145	1.81693244	3.43321E-05	0.008564539	0.001629325	0.003715674	0.004576799
2061 Sep	0.004107788	0.116733193	1.60396E-05	40.5305748	33.79825974	0.300753802	0.01577457	40.72659683	0.018425379	0.02520352	0.002212473	0.004409919	0.001981596	1.863517642	3.50402E-05	0.008797384	0.001653062	0.003773208	0.004700829
2061 Oct	0.003955712	0.111370683	1.55932E-05	39.09984589	32.55238724	0.289033294	0.01519142	39.481987	0.017724458	0.024031727	0.002118338	0.004250938	0.001909445	1.797758341	3.37146E-05	0.008483598	0.00158074	0.003622135	0.004533906
2061 Nov	0.003913219	0.110058643	1.55083E-05	38.72084808	32.21508789	0.286009103	0.015071806	39.19024277	0.017519081	0.023765907	0.00209049	0.004206406	0.00189111	1.779731631	3.35067E-05	0.008393675	0.001560739	0.00358271	0.004487912
2061 Dec	0.003915275	0.11004582	1.5525E-05	38.75740814	32.24100876	0.286252826	0.015092408	39.23967743	0.017528925	0.023776108	0.002091259	0.004209833	0.001892994	1.78125906	3.35648E-05	0.008400166	0.001561337	0.003584516	0.004491861
2062 Jan	0.003916099	0.110035576	1.5533E-05	38.77494812	32.25317383	0.286374331	0.015103896	39.26408768	0.017532876	0.023781093	0.00209152	0.00421138	0.001893937	1.781962633	3.3599E-05	0.00840302	0.001561579	0.003585275	0.004493702
2062 Feb	0.003916374	0.110046484	1.55359E-05	38.78598785	32.26137161	0.286488473	0.015120863	39.27500153	0.017533639	0.023794869	0.002091549	0.004211913	0.001894809	1.782241583	3.36574E-05	0.008403641	0.001561758	0.003586033	0.004494628
2062 Mar	0.003920272	0.11016351	1.5553E-05	38.83487701	32.30107498	0.286896795	0.015157622	39.32236862	0.017550411	0.023836525	0.002093495	0.004216322	0.001897671	1.784171581	3.37679E-05	0.008411844	0.001563411	0.003590357	0.004499823
2062 Apr	0.003935684	0.110602893	1.56154E-05	38.99580765	32.43418884	0.288124353	0.015234902	39.48334885	0.017618854	0.023945054	0.002101619	0.004233062	0.001905923	1.791306376	3.39633E-05	0.008444761	0.001569638	0.003605094	0.004518087
2062 May	0.003979886	0.111841381	1.5793E-05	39.44436646	32.80595398	0.2914747	0.01542583	39.93689346	0.017816298	0.024228966	0.00212508	0.004280936	0.00192826	1.811625957	3.44144E-05	0.00853973	0.00158732	0.003646219	0.004569633
2062 Jun	0.00363874	0.106188521	1.49356E-05	35.79475784	29.78706932	0.265013665	0.014017801	36.36001968	0.016186431	0.022484664	0.00192848	0.003891365	0.001750645	1.643790722	3.14437E-05	0.007735381	0.001467245	0.00343267	0.004139543
2062 Jul	0.003505229	0.104123153	1.46867E-05	34.47813034	28.68047523	0.255851418	0.013747568	35.0373764	0.015532308	0.021981113	0.001846262	0.00374027	0.001692908	1.578759909	3.13048E-05	0.007412761	0.001420237	0.003372007	0.003977963
2062 Aug	0.003662181	0.102032937	1.4757E-05	36.08130646	30.0140686	0.264714658	0.014103531	36.18000031	0.016405031	0.021609113	0.001937646	0.003931137	0.001764254	1.655612588	3.14856E-05	0.007827814	0.00145581	0.003451264	0.004186975
2062 Sep	0.003691418	0.098802745	1.45929E-05	36.41993332	30.28017807	0.265181154	0.014062379	36.32488632	0.016626358	0.020967618	0.0019539	0.003976453	0.001775709	1.673297882	3.10112E-05	0.00793998	0.001449069	0.003433646	0.004239275
2062 Oct	0.003390144	0.09143585	1.37279E-05	33.36503983	27.69678116	0.242035702	0.012874666	33.61397552	0.015167932	0.019230524	0.001771063	0.003635426	0.00162447	1.53325057	2.84178E-05	0.007261267	0.001316973	0.003146454	0.003878032
2062 Nov	0.003389625	0.091492929	1.3772E-05	33.40349197	27.71755409	0.242408872	0.012960115	33.68889999	0.01515367	0.019299541	0.00176795	0.003635112	0.001627995	1.533748031	2.87284E-05	0.00725815	0.001315893	0.003148522	0.003879875
2062 Dec	0.003391842	0.091477036	1.37928E-05	33.45947266	27.75738144	0.242855802	0.013013807	33.75730896	0.015163634	0.019335737	0.001768604	0.003639309	0.0016315	1.535702348	2.89017E-05	0.0072653	0.001316659	0.003151458	0.003885382
2063 Jan	0.0033925	0.091473311	1.37997E-05	33.4778862	27.77040482	0.243007362	0.013032477	33.78016281	0.015166497	0.019348141	0.001768769	0.00364063	0.001632678	1.536328316	2.89627E-05	0.00726749	0.001316904	0.003152389	0.003887158
2063 Feb	0.003392645	0.091483817	1.38022E-05	33.48959351	27.77907372	0.243138283	0.013053749	33.7907486	0.015166517	0.019365704	0.001768711	0.003641038	0.001633693	1.536566734	2.90372E-05	0.007267735	0.001317059	0.003153209	0.00388806
2063 Mar	0.00339308	0.091505051	1.38056E-05	33.50540924	27.79120255	0.24330914	0.013080104	33.80402374	0.015167687	0.019388996	0.001768794	0.003641734	0.001635008	1.536932826	2.91284E-05	0.007268451	0.001317345	0.003154478	0.003889359
2063 Apr	0.003400127	0.091702476	1.38358E-05	33.58551407	27.8567276	0.243941098	0.013129729	33.88237	0.015198502	0.019448163	0.001772336	0.003649511	0.001639411	1.540279984	2.92685E-05	0.007283363	0.001320182	0.003161815	0.003898171
2063 May	0.003396846	0.094392762	1.38907E-05	33.42993927	27.76650238	0.244237363	0.013090974	33.79684448	0.015130459	0.01951085	0.00177494	0.003631039	0.001633036	1.533764362	2.92532E-05	0.007240129	0.001330629	0.003168932	0.003875919
2063 Jun	0.002834229	0.094054081	1.21792E-05	27.13763809	22.73635101	0.205192417	0.01068934	27.84031487	0.012320711	0.016761325	0.001494513	0.002946838	0.00133051	1.248817086	2.42336E-05	0.005831727	0.001175137	0.002746193	0.003124092
2063 Jul	0.002872167	0.092575602	1.21821E-05	27.751791	23.22289276	0.209335297	0.011206509	28.17848969	0.012552409	0.016893962	0.001513784	0.003003894	0.001368145	1.271083474	2.57757E-05	0.005941512	0.001184265	0.002791974	0.00319515
2063 Aug	0.003157483	0.094092093	1.27343E-05	30.6092453	25.61362648	0.227637097	0.012116085	30.50206184	0.013999706	0.017373525	0.001673209	0.003328952	0.001502806	1.404503703	2.72764E-05	0.006623525	0.001271118	0.002995489	0.003549302
2063 Sep	0.003185051	0.093458816	1.29469E-05	30.97165871	25.8730526	0.22940363	0.012290318	30.95853043	0.014122174	0.017380536	0.00167805	0.003362664	0.001520558	1.420102477	2.77152E-05	0.00669482	0.001268815	0.00301211	0.003590272
2063 Oct	0.003151717	0.091840565	1.29364E-05	30.78297997	25.66596794	0.227555647	0.012272092	30.93778992	0.013963686	0.017199896	0.001653188	0.003335751	0.001511748	1.41008985	2.77849E-05	0.006639221	0.001250374	0.002976771	0.003564989
2063 Nov	0.003155586	0.091784067	1.29857E-05	30.85710907	25.71437836	0.227978766	0.0123081	31.0606041	0.01397949	0.01721454	0.001653646	0.003342547	0.00151529	1.413270831	2.78836E-05	0.006652225	0.00125083	0.002979405	0.003572845
2063 Dec	0.003159132	0.091815859	1.30071E-05	30.90176773	25.74786377	0.228259653	0.012321912	31.11869049	0.013996288	0.017224055	0.001655303	0.003347372	0.001517308	1.41535151	2.79104E-05	0.006661844	0.001251993	0.00298218	0.00357801
2064 Jan	0.003160408	0.091808178	1.30173E-05	30.92434692	25.76384544	0.22840929	0.012333567	31.14985085	0.014002505	0.017229758	0.001655805	0.003349534	0.001518441	1.416314125	2.79423E-05	0.006665969	0.001252384	0.002983213	0.003580475
2064 Feb	0.003161082	0.091824487	1.3022E-05	30.93827248	25.7743721	0.228533939	0.012348509	31.16483879	0.014005241	0.017242273	0.001656057	0.003350528	0.001519366	1.416780114	2.79913E-05	0.006667609	0.001252691	0.00298418	0.003581815
2064 Mar	0.003165033	0.091943488	1.30393E-05	30.98331642	25.81125832	0.228895068	0.012377051	31.20921326	0.014022345	0.017274678	0.001658044	0.003354863	0.001521859	1.418653607	2.80726E-05	0.006675877	0.001254318	0.002988349	0.003586744
2064 Apr	0.003172262	0.092159249	1.30704E-05	31.06297684	25.87680054	0.229524344	0.01242417	31.28745079	0.01405381	0.01733005	0.00166172	0.003362712	0.001526183	1.42202723	2.82035E-05	0.006690986	0.001257267	0.00299583	0.003595561
2064 May	0.003155668	0.095027238	1.31791E-05	30.79352951	25.67136383	0.228965953	0.01223443	31.28851128	0.01391559	0.017195439	0.001657897	0.003334561	0.00151092	1.41227746	2.77213E-05	0.006627493	0.001265487	0.002986251	0.00355971
2064 Jun	0.002819495	0.096729249	1.23313E-05	27.09862518	22.69345093	0.20698449	0.01075554	28.16439247	0.012197533	0.015615833	0.00149392	0.002930417	0.001330848	1.246856093	2.45877E-05	0.005789859	0.001182316	0.002723941	0.003112649
2064 Jul	0.002982153	0.098758526	1.28042E-05	28.84700966	24.13170624	0.219095632	0.011531655	29.70768929	0.01298761	0.016233401	0.001581261	0.003118129	0.001418875	1.324644804	2.64079E-05	0.006168704	0.001238143	0.002865198	0.003319957
2064 Aug	0.003214986	0.097451501	1.30337E-05	31.23082924	26.11551666	0.23319459	0.012139573	31.51665306	0.014245328	0.016220165	0.001717096	0.003398693	0.001527093	1.437882066	2.70303E-05	0.0067675	0.001302021	0.003005461	0.003625325
2064 Sep	0.00322712	0.094187401	1.30553E-05	31.51597404	26.28573608	0.233202547	0.012135665	31.86950111	0.014357631	0.015844876	0.001716253	0.003431784	0.001536563	1.451872468	2.68E-05	0.006846584	0.00128822	0.002985879	0.003664786
2064 Oct	0.003261325	0.093767449	1.32923E-05	32.08855438	26.69644737	0.236863405	0.012461824	32.60064316	0.014521701	0.016017875	0.001728224	0.003485405	0.001566145	1.4757092	2.77076E-05	0.00695052	0.001295927	0.003012342	0.00372767
2064 Nov	0.003279585	0.093966275	1.33943E-05	32.33798599	26.88610649	0.238609239	0.012589158	32.8967247	0.014607309	0.016116358	0.00173683	0.00351016	0.001578866	1.486468673	2.80463E-05	0.006998495	0.001302339	0.003028758	0.003755493
2064 Dec	0.003281622	0.093980998	1.34073E-05	32.36621857	26.90707016	0.238795176	0.0126012	32.93307877	0.014616909	0.016124714	0.001737744	0.003513041	0.00158023	1.487724543	2.8076E-05	0.007004128	0.001303009	0.003030461	0.003758672
2065 Jan	0.003282367	0.093972914	1.34141E-05	32.38257599	26.91855621	0.238913894	0.012613373	32.95473862	0.014620449	0.016132286	0.001737988	0.003514427	0.001581153	1.488355756	2.81133E-05	0.007006636	0.001303242	0.003031226	0.003760364
2065 Feb	0.003282988	0.093987517	1.34185E-05	32.39642334	26.92901993	0.239040554	0.01262943	32.96908951	0.014622924	0.01614584	0.001738209	0.003515361	0.001582107	1.488797426	2.81666E-05	0.007008125	0.001303529	0.003032205	0.003761671
2065 Mar	0.003287341	0.094118953	1.34379E-05	32.45041656	26.97288895	0.239489287	0.012669556	33.02143478	0.014641614	0.016187115	0.001740373	0.003520255	0.001585255	1.490936875	2.82867E-05	0.007017246	0.001305359	0.003037042	0.003767432
2065 Apr	0.003300819	0.094510093	1.34943E-05	32.59275818	27.09036636	0.240582258	0.012741287	33.16395187	0.014701064	0.016270289	0.001747392	0.00353488	0.001592643	1.497187257	2.84728E-05	0.007045867	0.001310795	0.003050185	0.003783531
2065 May	0.00331607	0.097530909	1.37352E-05	32.69278717	27.17565918	0.242373899	0.012710602	33.53914642	0.014717018	0.01631723	0.001758446	0.003545963	0.001595564	1.503834963	2.83646E-05	0.007061088	0.001328495	0.003069118	0.003790793
2065 Jun	0.003017866	0.098288782	1.29283E-05	29.35326958	24.50156975	0.222009227	0.011482713	30.46321678	0.013198509	0.015263793	0.001607183	0.003179981	0.001436093	1.351949573	2.59105E-05	0.00630215	0.00124959	0.002856683	0.003387204
2065 Jul	0.003235863	0.1020905	1.36357E-05	31.66603279	26.40943909	0.238483548	0.012500724	32.58709717	0.014235428	0.016184371	0.001724761	0.00342819	0.001552314	1.455352187	2.8309E-05	0.006799378	0.001330321	0.0030536	0.003659349
2065 Aug	0.003527853	0.103839062	1.42373E-05	34.6775856	28.90871429	0.258038938	0.013465207	35.15113831	0.015722018	0.016728193	0.001890477	0.003770174	0.001694083	1.59581542	2.99447E-05	0.007511144	0.001424948	0.003264522	0.004031316
2065 Sep	0.003494153	0.099138647	1.39905E-05	34.39718628	28.63195419	0.253576636	0.013146542	34.84801865	0.015633836	0.016064201	0.001866108	0.003747908	0.001673576	1.585575819	2.88361E-05	0.007485697	0.001391328	0.003195736	0.004009357
2065 Oct	0.003345593	0.092546239	1.346E-05	32.95233154	27.37680054	0.240867525	0.01249107	33.50769806	0.014963216	0.015132127	0.001770335	0.003590641	0.001598625	1.52009356	2.71985E-05	0.007184776	0.001311401	0.003031571	0.003844839
2065 Nov	0.003335145	0.092007272	1.3465E-05	32.90761185	27.32193184	0.240435481	0.012546537	33.50266266	0.01490667	0.015151875	0.001760507	0.003580816	0.001597981	1.516621113	2.74421E-05	0.00716362	0.001304365	0.003022207	0.003837215
2065 Dec	0.003335831	0.092001908	1.34744E-05	32.93765259	27.34328461	0.240714148	0.012588179	33.53564835	0.014908994	0.015184804	0.001760503	0.003582453	0.001600216	1.517446041	2.75841E-05	0.007165824	0.001304662	0.003023968	0.003839845
2066 Jan	0.003337053	0.091992185	1.3486E-05	32.96696091	27.36398506	0.240939885	0.012613619	33.57304001	0.014914612	0.015202411	0.001760873	0.003584769	0.001601973	1.518515229	2.76648E-05	0.007169868	0.001305077	0.003025441	0.003842787
2066 Feb	0.00333838	0.092034183	1.34933E-05	32.98949051	27.38167953	0.24114491	0.012637291	33.59509277	0.014919981	0.015223923	0.001761446	0.00358644	0.001603467	1.519282937	2.77418E-05	0.007172691	0.001305685	0.003027261	0.003844995
2066 Mar	0.003345319	0.092234939	1.35229E-05	33.06898499	27.44672012	0.24177894	0.012687042	33.67337418	0.014950246	0.015275744	0.001764968	0.003594108	0.00160785	1.522599697	2.78827E-05	0.007187384	0.001308512	0.003034382	0.003853742
2066 Apr	0.003354469	0.09249568	1.35617E-05	33.17201996	27.53112411	0.242591396	0.012748618	33.77517319	0.01499032	0.015340534	0.001769636	0.003604195	0.001613453	1.526949286	2.80542E-05	0.007206824	0.00131221	0.003043629	0.00386516
2066 May	0.003388871	0.093825907	1.37082E-05	33.51738358	27.82193375	0.245425031	0.012924623	34.12545013	0.015136127	0.015550612	0.001788273	0.003639549	0.001631522	1.542213917	2.8516E-05	0.007275437	0.001327512	0.003077787	0.003903867
2066 Jun	0.003001066	0.091795743	1.26829E-05	29.304245	24.40796471	0.218193188	0.01150141	30.04770279	0.013212254	0.014456354	0.001579782	0.00317729	0.001433354	1.346850634	2.58881E-05	0.006311802	0.001212889	0.002833378	0.003395219
2066 Jul	0.003204256	0.095234424	1.34079E-05	31.44538116	26.16359138	0.233067855	0.01240656	32.04327774	0.014176569	0.015275404	0.001686375	0.003409616	0.001539753	1.442991614	2.7982E-05	0.006775827	0.00128699	0.003025393	0.00364816
2066 Aug	0.003464917	0.097598746	1.40532E-05	34.17992401	28.42094994	0.251317114	0.013390471	34.46257019	0.015475329	0.015944293	0.00183128	0.003713567	0.001671189	1.568753004	2.9915E-05	0.007401619	0.001373737	0.003224564	0.003980691
2066 Sep	0.003524169	0.096752234	1.42029E-05	34.90858841	28.99007607	0.25557214	0.013669297	35.16189957	0.015788281	0.016019281	0.001860399	0.003791704	0.001705982	1.601570606	3.04863E-05	0.007565048	0.001386494	0.003258801	0.004069366
2066 Oct	0.003492271	0.094252691	1.41459E-05	34.76553726	28.81363678	0.253650665	0.013666444	35.14657593	0.01565313	0.015840152	0.001835425	0.003769734	0.001699168	1.593456268	3.05648E-05	0.007522893	0.00136432	0.003216795	0.004051116

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.003486199	0.093557104	1.41302E-05	34.80262375	28.82594872	0.253889918	0.013781874	35.18835068	0.015628863	0.015882161	0.001829821	0.003767867	0.001703399	1.593168974	3.09792E-05	0.007517324	0.001359486	0.003210536	0.004053139
2066 Dec	0.003489709	0.093594663	1.41509E-05	34.84656143	28.85910606	0.254172206	0.013796715	35.24445343	0.015645346	0.015893001	0.001831466	0.003772564	0.001705422	1.595196366	3.10103E-05	0.007526658	0.001360658	0.003213364	0.004058208
2067 Jan	0.003490729	0.093600132	1.41587E-05	34.86403656	28.87178993	0.254297614	0.013807591	35.26727295	0.015650051	0.015900621	0.001831871	0.003774161	0.001706355	1.595912695	3.1042E-05	0.007529644	0.001361009	0.003214325	0.004060074
2067 Feb	0.003491872	0.093637154	1.41648E-05	34.88299179	28.8867321	0.25447014	0.013827318	35.28572464	0.015654672	0.015918598	0.001832368	0.00377558	0.001707608	1.596562624	3.11059E-05	0.00753205	0.001361534	0.00321588	0.004061938
2067 Mar	0.003495328	0.093737639	1.41799E-05	34.92500305	28.92090607	0.254813969	0.01385719	35.32646942	0.015669627	0.015948333	0.001834086	0.003779457	0.00171002	1.598250508	3.11942E-05	0.007539341	0.001362964	0.003219633	0.004066471
2067 Apr	0.003503113	0.093953982	1.4213E-05	35.01321793	28.99305916	0.255507112	0.013910347	35.41320038	0.015703844	0.016002996	0.001838039	0.003788085	0.00171427	1.601963282	3.13427E-05	0.007555946	0.001366101	0.003227588	0.004076254
2067 May	0.003513362	0.097417295	1.43435E-05	34.97792053	29.00587845	0.256868571	0.013923571	35.4702034	0.015687214	0.016181057	0.001847897	0.003782235	0.0017145	1.601006985	3.14591E-05	0.007536649	0.001383409	0.003249355	0.004067042
2067 Jun	0.003261535	0.099699333	1.36572E-05	32.11882782	26.7443428	0.240581125	0.012971587	32.82286835	0.014374302	0.015559184	0.001724011	0.003463617	0.001581222	1.469871283	2.9746E-05	0.006872061	0.001323718	0.00307441	0.00371676
2067 Jul	0.00350962	0.104209431	1.4509E-05	34.75193787	28.90778542	0.259283304	0.014100574	35.32131958	0.015544509	0.016574875	0.001856635	0.003746148	0.001712477	1.588180542	3.23748E-05	0.007438461	0.001414929	0.003294565	0.004026571
2067 Aug	0.003700257	0.10504356	1.49686E-05	36.7743187	30.56158257	0.272182077	0.014781618	37.11782837	0.01650859	0.016947923	0.001960968	0.003972602	0.001808168	1.68165493	3.36215E-05	0.007908373	0.001472183	0.00343115	0.004275145
2067 Sep	0.003765421	0.104431756	1.51427E-05	37.55377579	31.17575455	0.276854843	0.015080098	37.85905457	0.016848356	0.01706247	0.001993587	0.004056534	0.001845534	1.716825604	3.42373E-05	0.008083066	0.001487696	0.003472648	0.004369867
2067 Oct	0.003667599	0.100285031	1.47986E-05	36.6443367	30.38202667	0.269103408	0.014709584	37.02739334	0.016408416	0.016558772	0.001932288	0.003955318	0.001799556	1.674885988	3.33744E-05	0.00788678	0.001437607	0.003367789	0.004264643
2067 Nov	0.003660057	0.099695437	1.48076E-05	36.65906143	30.37277412	0.269149184	0.014804222	37.08013153	0.016371094	0.016605392	0.001924875	0.003951211	0.001802263	1.673805594	3.3731E-05	0.007876341	0.001432202	0.003361192	0.004263673
2067 Dec	0.00366386	0.099741101	1.48303E-05	36.70943832	30.41086006	0.269491911	0.014827108	37.14248276	0.016388681	0.016623251	0.00192662	0.003956319	0.001804747	1.67602849	3.3789E-05	0.007886306	0.001433507	0.003364514	0.004269342
2068 Jan	0.003665351	0.099745654	1.48415E-05	36.73419571	30.42877197	0.269663513	0.014840946	37.17529678	0.016395682	0.016632518	0.001927227	0.003958658	0.001806025	1.677069902	3.38279E-05	0.007890739	0.001434004	0.003365844	0.00427203
2068 Feb	0.003666359	0.099777751	1.48469E-05	36.74977493	30.44105148	0.26980105	0.014855453	37.19119263	0.01639984	0.016645694	0.001927677	0.0039599	0.001807006	1.677634358	3.3874E-05	0.00789292	0.001434457	0.003367096	0.004273601
2068 Mar	0.003673183	0.099971451	1.48755E-05	36.82498169	30.50279808	0.270387501	0.014897885	37.26572037	0.016429856	0.016689496	0.001931177	0.003967396	0.001811027	1.680853963	3.39895E-05	0.007907452	0.001437207	0.003373885	0.004282019
2068 Apr	0.003701335	0.100744769	1.49909E-05	37.11638641	30.74338913	0.27257067	0.015031724	37.55842209	0.016555162	0.016834334	0.001945861	0.003997984	0.001825788	1.693870306	3.43197E-05	0.007967884	0.001448313	0.003400436	0.004315473
2068 May	0.003695657	0.10365878	1.50605E-05	36.94417572	30.63763237	0.272902548	0.014993685	37.49002838	0.016470261	0.016933756	0.001947435	0.00397693	0.00181877	1.686543345	3.43272E-05	0.007918042	0.001459315	0.003406751	0.004290198
2068 Jun	0.003139884	0.100245908	1.33074E-05	30.82397842	25.70123863	0.233164504	0.012509004	31.71717834	0.013753564	0.014848413	0.001666178	0.003318204	0.001519664	1.411015749	2.88531E-05	0.006571363	0.001292512	0.002970322	0.003561558
2068 Jul	0.003332278	0.101133935	1.38E-05	32.85663605	27.36320114	0.246033654	0.013182493	33.50178909	0.014732185	0.015242551	0.001771188	0.00354857	0.00161561	1.505005836	3.00731E-05	0.007045757	0.001353605	0.003122763	0.003812273
2068 Aug	0.003613067	0.104589269	1.45459E-05	35.78394699	29.78665352	0.266044021	0.014286107	36.11825562	0.016108694	0.016070254	0.001926818	0.003871322	0.001757769	1.639003754	3.23504E-05	0.007706431	0.00145063	0.003345446	0.004166143
2068 Sep	0.003656174	0.103421442	1.46317E-05	36.31814957	30.20103264	0.268866241	0.014489179	36.6014328	0.016343063	0.016109271	0.001946376	0.003928578	0.001783129	1.662949085	3.27501E-05	0.007828671	0.001456368	0.003366317	0.004232419
2068 Oct	0.003675839	0.102787554	1.47247E-05	36.69517136	30.47683144	0.27141881	0.014797263	36.99585342	0.016442146	0.016302031	0.001952448	0.003959927	0.001805271	1.676957965	3.36854E-05	0.00788871	0.001459021	0.00338186	0.004273026
2068 Nov	0.00368989	0.102996469	1.47893E-05	36.8924942	30.63137245	0.272945046	0.014940273	37.19691467	0.016506124	0.016421366	0.001959057	0.003977749	0.001816578	1.684760213	3.41099E-05	0.007922326	0.001464145	0.003396219	0.004294361
2068 Dec	0.003692264	0.103039607	1.48013E-05	36.92898941	30.65976715	0.273242533	0.014971107	37.23408127	0.016516594	0.016447728	0.001960129	0.003980821	0.001818788	1.686126828	3.42055E-05	0.007927914	0.001465065	0.003398937	0.004298166
2069 Jan	0.003693222	0.103033923	1.48098E-05	36.948349	30.67345238	0.273381144	0.014984504	37.25989151	0.016521107	0.016456699	0.001960463	0.003982511	0.001819854	1.686892867	3.42459E-05	0.007931014	0.00146537	0.003399885	0.004300198
2069 Feb	0.003694074	0.10305009	1.48149E-05	36.96112823	30.68318176	0.273480147	0.014993157	37.27491379	0.016524902	0.016463794	0.001960845	0.003983669	0.001820563	1.687408805	3.42715E-05	0.007933171	0.001465707	0.003400754	0.004301561
2069 Mar	0.003694332	0.103060365	1.4817E-05	36.96951294	30.68955231	0.273567021	0.01500598	37.28258514	0.016525704	0.016474904	0.001960904	0.003984089	0.001821227	1.687622786	3.43155E-05	0.007933685	0.001465861	0.00340139	0.004302276
2069 Apr	0.003701088	0.1032544	1.48454E-05	37.04576492	30.7520752	0.274170816	0.015051812	37.35750198	0.016555367	0.016520841	0.001964379	0.003991554	0.001825383	1.690837264	3.44434E-05	0.007948048	0.001468622	0.003408256	0.004310747
2069 May	0.003765713	0.10531874	1.51176E-05	37.71507645	31.30742836	0.279387593	0.015377397	38.03655243	0.016837843	0.016873229	0.001998678	0.004060845	0.001859844	1.720511794	3.52757E-05	0.008083634	0.001495617	0.003470847	0.004386799
2069 Jun	0.003425325	0.102421746	1.42506E-05	34.01435852	28.2883358	0.254481971	0.01404024	34.47542572	0.015163561	0.015960826	0.001810781	0.003659265	0.001682956	1.549951196	3.26323E-05	0.007249678	0.001388713	0.003256097	0.003941711
2069 Jul	0.003559264	0.104246199	1.47119E-05	35.41791916	29.43812752	0.263932347	0.014636959	35.72626877	0.015806513	0.016476007	0.001879673	0.003812435	0.001752844	1.612668753	3.40107E-05	0.007556519	0.001434386	0.003384521	0.004109548
2069 Aug	0.003725575	0.105474286	1.51546E-05	37.15994644	30.86682129	0.275238514	0.015239919	37.29698944	0.016632743	0.016866013	0.001969582	0.004006291	0.001835733	1.693068743	3.51545E-05	0.00795745	0.001485715	0.003508321	0.00432265
2069 Sep	0.003663912	0.101172075	1.47722E-05	36.53687286	30.3355217	0.26905942	0.014852293	36.59172821	0.016397912	0.016304996	0.001932866	0.00394446	0.001800791	1.666442513	3.39954E-05	0.007850228	0.001446034	0.003420167	0.004258493
2069 Oct	0.003496383	0.095529005	1.41086E-05	34.82595444	28.90364838	0.255558789	0.01420672	34.86823273	0.015619016	0.015611622	0.00183129	0.003754246	0.001716826	1.587386847	3.25543E-05	0.007479637	0.001365287	0.003247764	0.004059281
2069 Nov	0.003480985	0.095140845	1.40848E-05	34.69688797	28.78900909	0.254648268	0.014236031	34.75561523	0.015532985	0.015651166	0.001818903	0.003735178	0.001712384	1.580060482	3.27472E-05	0.007440174	0.0013568	0.0032348	0.004041603
2069 Dec	0.003482811	0.095158048	1.40971E-05	34.72344971	28.80871201	0.254831433	0.014250079	34.78936768	0.015541323	0.015661955	0.001819678	0.00373775	0.001713741	1.581195235	3.27856E-05	0.007445111	0.001357405	0.003236456	0.004044528
2070 Jan	0.003482748	0.095160306	1.40985E-05	34.72878647	28.81240463	0.254894465	0.014261256	34.79501724	0.015540612	0.015671326	0.001819544	0.003737844	0.001714239	1.581277251	3.28254E-05	0.007444976	0.001357428	0.003236758	0.004044882
2070 Feb	0.003482357	0.09516149	1.40988E-05	34.73648834	28.81775856	0.255006969	0.014284163	34.80069733	0.015538053	0.015690664	0.00181919	0.003737663	0.001715148	1.581276655	3.29086E-05	0.00744394	0.001357406	0.003237241	0.00404523
2070 Mar	0.003484293	0.095224328	1.41083E-05	34.76723862	28.84227943	0.255287677	0.014316604	34.8290062	0.015545906	0.015720531	0.001820056	0.003739968	0.001717198	1.58232367	3.30138E-05	0.00744786	0.001358279	0.003239899	0.00404827
2070 Apr	0.003498479	0.095623858	1.41672E-05	34.91776657	28.96641159	0.256438732	0.014394263	34.97805405	0.015608514	0.015801359	0.001827349	0.003755361	0.001725054	1.58889699	3.3217E-05	0.007477978	0.001363921	0.003253766	0.004065361
2070 May	0.003504203	0.098636366	1.42676E-05	34.85138702	28.9496727	0.25741607	0.014393652	34.99123764	0.015578344	0.015949361	0.001834427	0.003746322	0.001723104	1.586431146	3.32948E-05	0.007453126	0.001378135	0.003270035	0.004053025
2070 Jun	0.003259375	0.101515628	1.3608E-05	32.00728989	26.70876503	0.241281867	0.013343935	32.41064453	0.014295741	0.015329948	0.001717058	0.003433936	0.001587858	1.458033681	3.12058E-05	0.006803305	0.001323528	0.003096008	0.003705345
2070 Jul	0.003432394	0.104787529	1.42363E-05	33.90187454	28.25876427	0.255019575	0.014272611	34.19824219	0.015103956	0.016163159	0.001807649	0.003631701	0.001685413	1.541048884	3.35509E-05	0.007194741	0.001387834	0.003259207	0.003925548
2070 Aug	0.00368676	0.10575629	1.47012E-05	36.51934433	30.4338665	0.271751583	0.015091229	36.36274338	0.016413398	0.016571686	0.001952811	0.003930582	0.001808199	1.663314342	3.48798E-05	0.00781983	0.001467403	0.003437238	0.004253219
2070 Sep	0.00363486	0.101768546	1.43842E-05	35.9967308	29.98143768	0.266258538	0.014745159	35.77947617	0.016218293	0.016082911	0.001920075	0.003879494	0.001778112	1.641216278	3.38235E-05	0.007733058	0.001431586	0.003360652	0.004200304
2070 Oct	0.003517427	0.098903202	1.40664E-05	34.86103439	29.01471519	0.257881671	0.014437454	34.75166321	0.015640354	0.015822312	0.001846057	0.003746025	0.001725408	1.586730361	3.33736E-05	0.007463173	0.001379623	0.003256954	0.004061132
2070 Nov	0.003513258	0.098736614	1.40916E-05	34.8812561	29.0172863	0.258103967	0.014517451	34.80900192	0.015614778	0.015889006	0.001841539	0.003743719	0.001728085	1.586306691	3.36753E-05	0.007455833	0.00137729	0.003255624	0.004060864
2070 Dec	0.003514371	0.098731965	1.41011E-05	34.90189743	29.03191948	0.258246481	0.014530426	34.83673859	0.015619984	0.015897898	0.001841938	0.003745585	0.001729186	1.587146163	3.37133E-05	0.007459315	0.001377626	0.003256675	0.004063064
2071 Jan	0.003514325	0.098730996	1.4103E-05	34.90948486	29.03718758	0.258330882	0.014545151	34.84459686	0.015619351	0.015910013	0.001841792	0.003745784	0.001729864	1.587281585	3.37653E-05	0.007459298	0.001377657	0.003257101	0.004063609
2071 Feb	0.003513932	0.098731153	1.4103E-05	34.91610718	29.04178429	0.258431375	0.014566232	34.84894562	0.015616843	0.015927928	0.00184145	0.003745564	0.001730684	1.587256312	3.38421E-05	0.007458237	0.001377622	0.003257536	0.004063874
2071 Mar	0.003514123	0.098744154	1.4105E-05	34.92690277	29.04998016	0.258553445	0.014586089	34.85778427	0.01561709	0.015945265	0.001841438	0.003745945	0.001731632	1.587473154	3.39116E-05	0.007458474	0.001377789	0.003258385	0.00406471
2071 Apr	0.003520018	0.098917574	1.41305E-05	34.99788284	29.10788918	0.259135485	0.014636894	34.92586517	0.015642503	0.015994666	0.001844371	0.003752487	0.00173572	1.590320587	3.40618E-05	0.007470785	0.001380216	0.003262477	0.004072394
2071 May	0.003476762	0.101257116	1.40576E-05	34.4147644	28.66978645	0.256631136	0.01442063	34.4504776	0.015381107	0.015944824	0.001826848	0.003687812	0.00170829	1.564613938	3.36494E-05	0.007333485	0.001378232	0.003238239	0.003998843
2071 Jun	0.003127228	0.101621129	1.3012E-05	30.44388771	25.50268936	0.232033208	0.012817136	30.73998833	0.013630128	0.014813633	0.001654773	0.003260575	0.001515139	1.38648808	3.01614E-05	0.006454114	0.001285188	0.002977992	0.00352181
2071 Jul	0.003232587	0.102799311	1.33251E-05	31.66697502	26.50328255	0.240869328	0.013520811	31.76211166	0.014144915	0.015386919	0.001710189	0.003385304	0.001581145	1.437934756	3.20517E-05	0.006699101	0.001323224	0.003084406	0.003664219
2071 Aug	0.003485849	0.104426391	1.3809E-05	34.29715729	28.69623756	0.258328825	0.014468295	33.9216423	0.015432423	0.015960701	0.001854462	0.003679649	0.001708066	1.558833718	3.3871E-05	0.007309739	0.001406122	0.003271617	0.003989552
2071 Sep	0.003498569	0.101042405	1.36505E-05	34.47647858	28.82368469	0.257691383	0.014388075	33.94923401	0.015568387	0.015646497	0.001859802	0.003706464	0.00171231	1.568763971	3.33682E-05	0.007381519	0.001393598	0.003248619	0.004021944
2071 Oct	0.003439077	0.099252462	1.35089E-05	33.99314117	28.39338493	0.254177421	0.014363948	33.53266144	0.015277459	0.015606527	0.001820586	0.003643468	0.001692464	1.543515205	3.35893E-05	0.00725112	0.001366201	0.003198215	0.003959543
2071 Nov	0.003414946	0.098847367	1.34927E-05	33.75577545	28.1857357	0.252396852	0.014318072	33.35976791	0.015143374	0.015606109	0.001802257	0.003613745	0.001681707	1.53183341	3.35735E-05	0.007190262	0.001354267	0.003178254	0.003928971
2071 Dec	0.003414893	0.098841101	1.35011E-05	33.7586174	28.1859951	0.252395928	0.014320118	33.37278366	0.015141678	0.015609863	0.00180177	0.003613813	0.001681816	1.531938076	3.35812E-05	0.007190301	0.001354002	0.003178159	0.003929116
2072 Jan	0.0034148	0.09885098	1.35023E-05	33.76585388	28.19129562	0.252491206	0.014337745	33.37857056	0.015140508	0.015625432	0.00180159	0.00361384	0.001682565	1.532008171	3.36444E-05	0.007189854	0.001354059	0.003178712	0.003929545
2072 Feb	0.003414574	0.098859623	1.35032E-05	33.77493286	28.19789886	0.252615839	0.014361422	33.38532639	0.015138625	0.015645878	0.001801322	0.003613803	0.001683549	1.532068133	3.37297E-05	0.007189097	0.001354111	0.003179368	0.003930048
2072 Mar	0.003414798	0.098875903	1.35055E-05	33.78677368	28.20691681	0.252750278	0.014383069	33.39508057	0.015138933	0.015664859	0.001801317	0.003614225	0.001684585	1.532308817	3.38054E-05	0.007189369	0.001354306	0.003180306	0.003930966
2072 Apr	0.003425198	0.099185437	1.35484E-05	33.90166473	28.30171013	0.253664136	0.014452403	33.50614929	0.015184259	0.015734572	0.00180665	0.003625479	0.001690861	1.537153482	3.39988E-05	0.007211062	0.001358546	0.003190889	0.003943772
2072 May	0.003481129	0.100800596	1.37703E-05	34.47092056	28.77552032	0.257987648	0.014720683	34.06423569	0.015431693	0.016017918	0.001836006	0.003685072	0.001719942	1.562501907	3.46676E-05	0.007328772	0.001380841	0.003244009	0.004009334
2072 Jun	0.003292634	0.098582201	1.3403E-05	32.46627426	27.11471558	0.243898615	0.014030666	32.1302681	0.014512016	0.015639566	0.001725625	0.003468686	0.001624768	1.468839526	3.33943E-05	0.00687224	0.001320433	0.003152221	0.003766662
2072 Jul	0.003361726	0.099327996	1.36722E-05	33.31914902	27.79769135	0.25005725	0.014601425	32.86400223	0.014839696	0.016128628	0.001758262	0.003551492	0.001672786	1.503094196	3.50369E-05	0.007030639	0.001343267	0.003230907	0.003863474
2072 Aug	0.00345694	0.095981367	1.35658E-05	34.29644394	28.61291313	0.254544348	0.014755403	33.41111755	0.015417365	0.015882589	0.001814243	0.003671383	0.001714733	1.550633669	3.4849E-05	0.007301839	0.001354472	0.003260866	0.003999324
2072 Sep	0.003491269	0.092599474	1.33508E-05	34.62895203	28.89313316	0.25487715	0.014676845	33.45019913	0.015676051	0.015526529	0.001835378	0.003719183	0.00172543	1.568667889	3.42159E-05	0.007422431	0.001348332	0.003246877	0.004054699
2072 Oct	0.003348478	0.089684121	1.30013E-05	33.16827011	27.65626144	0.243999645	0.014119477	32.21160889	0.014967319	0.015091438	0.001747285	0.003555264	0.001653324	1.501629472	3.3037E-05	0.007093146	0.001287756	0.003117353	0.003878071
2072 Nov	0.003335883	0.089377776	1.30079E-05	33.05543137	27.55022812	0.24303405	0.014068166	32.16995239	0.014900381	0.015054221	0.001737854	0.003542075	0.001647269	1.496547103	3.2923E-05	0.007066432	0.001281489	0.003105056	0.003863823
2072 Dec	0.003337921	0.08936362	1.30246E-05	33.08882523	27.57365417	0.243238643	0.014081012	32.21821976	0.014910384	0.015060592	0.001738671	0.003545473	0.001648821	1.498045444	3.29536E-05	0.007073052	0.001282074	0.003106566	0.003867586
2073 Jan	0.003338207	0.089364424	1.30287E-05	33.10027313	27.58172798	0.24334313	0.014095565	32.23193741	0.014911389	0.015072154	0.001738687	0.003546148	0.001649634	1.49838388	3.30029E-05	0.007074018	0.001282212	0.003107184	0.003868608
2073 Feb	0.003338119	0.089374304	1.303E-05	33.10988998	27.5888195	0.243466198	0.014117808	32.23942184	0.014910221	0.015091415	0.001738507	0.003546252	0.0016506	1.49849689	3.30823E-05	0.007073601	0.001282302	0.003107897	0.00386922
2073 Mar	0.003339073	0.089409359	1.30354E-05	33.13061142	27.60506439	0.243672222	0.014145901	32.25748444	0.014913717	0.015116522	0.001738862	0.003547492	0.00165215	1.499091387	3.31771E-05	0.007075415	0.001282785	0.003109632	0.003871104
2073 Apr	0.003362373	0.09004008	1.31281E-05	33.37331772	27.80617905	0.245509356	0.014268722	32.49187851	0.01501707	0.015242678	0.001750852	0.003572501	0.001664767	1.509729862	3.34939E-05	0.007124636	0.001291843	0.00313217	0.003898927
2073 May	0.003346701	0.09341488	1.33048E-05	33.11446381	27.601614	0.245126814	0.014035887	32.6089325	0.014873873	0.015174515	0.001747974	0.003546714	0.001648585	1.501407981	3.28653E-05	0.007064305	0.001303024	0.003124149	0.003863161
2073 Jun	0.00312572	0.096343674	1.2865E-05	30.59825897	25.58094788	0.230597332	0.012907556	30.63563538	0.013716985	0.014450279	0.001643562	0.003277136	0.001522825	1.391311288	3.03179E-05	0.006501267	0.001258182	0.002961893	0.003555439
2073 Jul	0.003293485	0.097595304	1.32366E-05	32.458004	27.11626244	0.243515313	0.013793528	32.16398621	0.014558435	0.015074871	0.001736431	0.003474755	0.001618312	1.472878456	3.24521E-05	0.006902064	0.001314448	0.003101328	0.003779255
2073 Aug	0.003546506	0.098351263	1.36571E-05	35.11046982	29.32243538	0.260743797	0.014720588	34.29868317	0.015867423	0.015559162	0.001881572	0.003773374	0.00174551	1.595042825	3.41619E-05	0.007524764	0.001393895	0.003280417	0.0041108
2073 Sep	0.003595295	0.096193232	1.36361E-05	35.67879105	29.77272415	0.263240814	0.014816489	34.72414017	0.016168103	0.015423832	0.001908465	0.003841642	0.001769507	1.622447968	3.40963E-05	0.007676728	0.00139908	0.003293013	0.004188026

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.003479328	0.093345836	1.33934E-05	34.58108902	28.81841278	0.254891276	0.014452797	33.85188293	0.015596195	0.015124423	0.001834414	0.003714531	0.001716365	1.570849657	3.34316E-05	0.007419214	0.001348005	0.003189167	0.004052949
2073 Nov	0.003461281	0.0928846	1.33828E-05	34.41483688	28.66715431	0.25351879	0.014382379	33.75914383	0.015503965	0.015070134	0.001821764	0.003695417	0.001707725	1.563275099	3.32787E-05	0.007380564	0.001339425	0.003172242	0.0040323
2073 Dec	0.003464913	0.092908598	1.34063E-05	34.46468353	28.70402908	0.253840804	0.014401811	33.82446289	0.015521164	0.015083169	0.001823399	0.003700583	0.001710081	1.565523267	3.33243E-05	0.007390713	0.001340608	0.003175198	0.004037991
2074 Jan	0.00346639	0.092897035	1.34185E-05	34.48721695	28.71968079	0.253967196	0.014406559	33.85899734	0.015528592	0.015083573	0.001824016	0.003703053	0.001711015	1.566601992	3.33301E-05	0.007395638	0.001341027	0.003176113	0.004040621
2074 Feb	0.003466767	0.092894964	1.34232E-05	34.49966049	28.72837639	0.254072815	0.01441989	33.8748703	0.015530175	0.015093579	0.001824084	0.003703904	0.001711829	1.567012668	3.33742E-05	0.007396992	0.001341188	0.003176724	0.004041796
2074 Mar	0.003468452	0.092948429	1.34312E-05	34.52597046	28.74941635	0.25431183	0.014447232	33.89891815	0.015537073	0.015118509	0.001824848	0.003705897	0.001713573	1.567916155	3.34626E-05	0.007400415	0.00134194	0.003178984	0.00404442
2074 Apr	0.003488371	0.093489669	1.35099E-05	34.73457336	28.92216873	0.255896449	0.0145522	34.10166168	0.01562562	0.015224333	0.001835197	0.003727391	0.001724401	1.577073216	3.37327E-05	0.007442736	0.001349747	0.003198018	0.004068363
2074 May	0.003445346	0.097749949	1.36154E-05	34.12633133	28.45071602	0.253767669	0.014174787	33.91463089	0.015330715	0.015089587	0.00182096	0.003663867	0.001691321	1.553452134	3.27918E-05	0.007303644	0.001357496	0.003170498	0.003989604
2074 Jun	0.003106929	0.097929724	1.2634E-05	30.3419075	25.40480423	0.230100378	0.0124361	30.62355423	0.013653368	0.013751301	0.00165981	0.003263334	0.001501012	1.38748765	2.86927E-05	0.006483001	0.001269884	0.002894863	0.003536634
2074 Jul	0.00337867	0.099897154	1.31821E-05	33.22158051	27.80042839	0.249583453	0.013591169	32.97384644	0.015029867	0.014509929	0.001813767	0.003580812	0.001643183	1.517710567	3.11488E-05	0.007135151	0.001361537	0.00310904	0.00389057
2074 Aug	0.003702167	0.102530345	1.38781E-05	36.58141327	30.59276581	0.271982819	0.014764562	35.84070206	0.016661223	0.015242517	0.001997623	0.003957649	0.001804083	1.672901988	3.33581E-05	0.007914504	0.001470268	0.00335089	0.0043063
2074 Sep	0.003706678	0.099488154	1.38967E-05	36.76779175	30.68214798	0.271349221	0.014689759	36.13297653	0.016732229	0.014993761	0.001993247	0.003981976	0.001807829	1.682997942	3.29329E-05	0.007974396	0.001456365	0.003328236	0.004334489
2074 Oct	0.003671071	0.096992187	1.39086E-05	36.64549255	30.50419044	0.269611239	0.014749854	36.20985413	0.01657005	0.014959358	0.001963272	0.003958751	0.001803196	1.674746633	3.32615E-05	0.007925414	0.001432954	0.003290466	0.004315324
2074 Nov	0.003693476	0.096246593	1.41087E-05	37.08480453	30.80200195	0.272141755	0.014938824	36.84611893	0.016689386	0.015029515	0.001970841	0.004002212	0.001823987	1.693935394	3.37374E-05	0.008010114	0.001437281	0.003304863	0.004364766
2074 Dec	0.003699053	0.096204661	1.41523E-05	37.16743851	30.85996056	0.272604346	0.014957367	36.96893692	0.016717387	0.015033125	0.001973212	0.004011273	0.001827461	1.697870851	3.37626E-05	0.008028205	0.001438832	0.003308529	0.004374442
2075 Jan	0.0037	0.096201122	1.41604E-05	37.18358231	30.87127495	0.272707641	0.014964495	36.99234009	0.01672194	0.015037206	0.001973572	0.004012867	0.001828235	1.698580146	3.3781E-05	0.008031269	0.001439121	0.003309279	0.004376232
2075 Feb	0.00370071	0.096214555	1.41658E-05	37.19864655	30.88249397	0.272838354	0.014979894	37.00933838	0.016724885	0.015049875	0.001973827	0.004013971	0.001829211	1.699095726	3.38311E-05	0.008033114	0.001439431	0.003310267	0.004377702
2075 Mar	0.003704413	0.09631452	1.4182E-05	37.24573898	30.92052078	0.273224592	0.015014547	37.05526733	0.016741045	0.015081613	0.001975668	0.004018243	0.001831944	1.700964689	3.39345E-05	0.008041119	0.001440953	0.003314248	0.004382791
2075 Apr	0.003723572	0.096809931	1.42582E-05	37.45067215	31.08909798	0.274770647	0.015115063	37.25903702	0.016827082	0.015178509	0.001985715	0.004039415	0.001842494	1.709998012	3.41904E-05	0.008082852	0.001448476	0.003332136	0.004406381
2075 May	0.003774636	0.098552726	1.45994E-05	38.03011322	31.53591156	0.278959006	0.01526978	38.07787704	0.01704671	0.015331314	0.00201217	0.004102692	0.001868209	1.737844586	3.44669E-05	0.008206553	0.001471007	0.003375892	0.004472699
2075 Jun	0.003420155	0.093363188	1.37309E-05	34.2734375	28.43236542	0.252380639	0.013946667	34.39339066	0.01533789	0.014508898	0.00180811	0.003696098	0.001689023	1.562994957	3.19118E-05	0.007360219	0.001350535	0.003167377	0.004019201
2075 Jul	0.003424359	0.093580686	1.38239E-05	34.31147766	28.46280098	0.252589852	0.014070955	34.33027267	0.015351534	0.014711825	0.001805544	0.003699083	0.001694058	1.562391281	3.23817E-05	0.007357154	0.001353557	0.003205126	0.004022165
2075 Aug	0.003616099	0.09438578	1.41914E-05	36.3353157	30.14012146	0.265842617	0.014811431	36.00114059	0.016331863	0.015137618	0.001913671	0.003924471	0.001791879	1.655056834	3.38253E-05	0.007825352	0.001413523	0.003343792	0.004273704
2075 Sep	0.003696697	0.094432168	1.43932E-05	37.28811646	30.90729141	0.272195667	0.015257334	36.85800171	0.016740777	0.015416572	0.001956292	0.004024209	0.001840141	1.696868062	3.4891E-05	0.008028963	0.001437563	0.003403677	0.004388102
2075 Oct	0.003660939	0.093480706	1.43551E-05	37.04762268	30.67845726	0.270597458	0.015335172	36.70231628	0.016553877	0.015493453	0.001930313	0.003987035	0.001832373	1.682698607	3.53556E-05	0.007949158	0.001420716	0.003375655	0.004353272
2075 Nov	0.003670082	0.093529776	1.44243E-05	37.1872673	30.78001595	0.271537483	0.015417885	36.88542938	0.016593428	0.015561038	0.00193338	0.003999885	0.001839679	1.688498139	3.55911E-05	0.007973737	0.001423138	0.003383666	0.004368403
2075 Dec	0.003672651	0.093547165	1.44426E-05	37.2246933	30.80738831	0.271784782	0.015435255	36.93531799	0.016605254	0.015573727	0.001934443	0.004003601	0.001841516	1.690136909	3.56362E-05	0.007980931	0.001423952	0.00338586	0.004372582
2076 Jan	0.003672937	0.093556091	1.44458E-05	37.23299026	30.81343842	0.271863043	0.01544575	36.94494629	0.01660618	0.015582668	0.001934492	0.004004096	0.001842106	1.690385938	3.56717E-05	0.007981649	0.001424094	0.00338639	0.004373324
2076 Feb	0.003673984	0.093595892	1.4451E-05	37.25067902	30.82756233	0.272031635	0.015465879	36.96110153	0.016610282	0.01560101	0.001934947	0.004005345	0.001843325	1.690964222	3.57378E-05	0.007983698	0.001424603	0.003387912	0.004375033
2076 Mar	0.003677302	0.093691103	1.44657E-05	37.2946701	30.86311531	0.272404283	0.015502214	37.00257492	0.016624533	0.015634565	0.001936561	0.004009157	0.001845988	1.692640424	3.58495E-05	0.007990682	0.001426003	0.003391762	0.00437969
2076 Apr	0.003687978	0.093972214	1.45094E-05	37.41448975	30.96128845	0.273334622	0.015571937	37.11897659	0.016672021	0.015701365	0.001942037	0.004021027	0.001852454	1.697723746	3.60412E-05	0.008013666	0.001430257	0.003402481	0.004393201
2076 May	0.003690077	0.097213246	1.4602E-05	37.30001068	30.90940666	0.274148017	0.015563793	37.08752441	0.016618893	0.015860606	0.001947653	0.004006186	0.001848545	1.692970276	3.61239E-05	0.007976284	0.001444389	0.003417008	0.004374423
2076 Jun	0.003292331	0.098782748	1.34154E-05	32.679142	27.2455616	0.245908484	0.013713037	32.76747131	0.014590889	0.014709508	0.001751118	0.003507177	0.00162432	1.48587966	3.21184E-05	0.00695081	0.001339435	0.003117724	0.00381484
2076 Jul	0.003416156	0.099570289	1.36861E-05	34.0765152	28.39892387	0.255680382	0.014440159	33.86964798	0.015215051	0.015240684	0.001818897	0.003653729	0.001697809	1.545974255	3.39552E-05	0.007245521	0.00138122	0.003228336	0.003982683
2076 Aug	0.003701388	0.101038344	1.42044E-05	37.00930405	30.84539223	0.274785101	0.015411131	36.26770782	0.016676791	0.015775464	0.001982324	0.003986407	0.001837015	1.68219471	3.56474E-05	0.007939319	0.001473071	0.003432966	0.004350917
2076 Sep	0.003766251	0.10130018	1.44432E-05	37.81352234	31.4791584	0.280229926	0.015819859	37.07355499	0.016992252	0.016068924	0.002013957	0.004067757	0.001878329	1.71691978	3.66919E-05	0.008102383	0.001492474	0.003484954	0.004444791
2076 Oct	0.003661189	0.098633103	1.42058E-05	36.78194046	30.58870888	0.272225499	0.015416768	36.23994064	0.016478309	0.015735839	0.001947544	0.003951625	0.001826835	1.669525027	3.58269E-05	0.007869702	0.001445404	0.003387277	0.004319507
2076 Nov	0.00364988	0.098191142	1.4226E-05	36.69787979	30.50032616	0.271358222	0.015365358	36.24598312	0.016420629	0.015688157	0.001938537	0.00394185	0.001821777	1.665886998	3.5697E-05	0.007850043	0.001439067	0.003375076	0.004308757
2076 Dec	0.003653581	0.098192357	1.42527E-05	36.7533226	30.54032707	0.271708608	0.015387379	36.32188416	0.016438456	0.015701292	0.00194012	0.003947522	0.001824391	1.668371201	3.57498E-05	0.007861128	0.001440207	0.003377997	0.004315052
2077 Jan	0.003653961	0.098191299	1.42572E-05	36.76407623	30.54784012	0.271796286	0.015398035	36.33594131	0.016440036	0.015709428	0.001940194	0.003948295	0.00182507	1.668741226	3.57846E-05	0.007862408	0.001440346	0.003378532	0.004316087
2077 Feb	0.003653987	0.098203756	1.42588E-05	36.77415466	30.55538368	0.271919727	0.015419453	36.34394073	0.016439404	0.015728142	0.001940078	0.003948502	0.001826032	1.668893337	3.58605E-05	0.007862231	0.001440471	0.003379308	0.004316781
2077 Mar	0.003655001	0.098238871	1.42641E-05	36.79283524	30.57016373	0.272098422	0.015441939	36.36069489	0.016443366	0.015748315	0.001940506	0.003949763	0.001827353	1.669480205	3.59351E-05	0.007864242	0.001440959	0.003380887	0.00431856
2077 Apr	0.003667998	0.098596312	1.43166E-05	36.93546295	30.68760872	0.273207545	0.015521997	36.4991684	0.016501065	0.015826056	0.001947256	0.003964048	0.001834978	1.675591111	3.6152E-05	0.007892004	0.001446194	0.003393795	0.004334734
2077 May	0.003660494	0.101022422	1.43703E-05	36.74782181	30.56397438	0.273121476	0.015451944	36.40824127	0.016415754	0.015893877	0.001946947	0.003942674	0.001826393	1.667857766	3.60411E-05	0.007843303	0.001454236	0.003396157	0.004308577
2077 Jun	0.003295332	0.100913361	1.3357E-05	32.61995697	27.2446804	0.246934861	0.013720702	32.67854309	0.014579384	0.014732906	0.001761903	0.003499273	0.00162315	1.483607173	3.21841E-05	0.006932974	0.001351595	0.00311702	0.003809534
2077 Jul	0.00350177	0.104245789	1.40074E-05	34.89649963	29.11808395	0.26344806	0.014865293	34.71037292	0.015565984	0.015695328	0.001872746	0.003737089	0.001741454	1.582774997	3.50828E-05	0.007405411	0.001428226	0.003309574	0.004077936
2077 Aug	0.003801243	0.105669953	1.45245E-05	37.96860886	31.68515205	0.283434123	0.015873002	37.19434357	0.017106431	0.016235277	0.002045251	0.004086459	0.001887106	1.725633025	3.68112E-05	0.008134973	0.001524793	0.003523122	0.004465062
2077 Sep	0.003699131	0.100094363	1.40622E-05	36.92636871	30.79167366	0.273741484	0.015271631	36.14197159	0.016681004	0.015540252	0.001982625	0.003980307	0.001829996	1.680505633	3.51118E-05	0.007940445	0.00146513	0.003398667	0.004351235
2077 Oct	0.003659188	0.099009246	1.4067E-05	36.61524582	30.49354362	0.271234602	0.015228521	36.00466537	0.016469542	0.015528312	0.00195222	0.003939012	0.00181591	1.6646837	3.51723E-05	0.007854249	0.001445071	0.003364127	0.0043091 7
2077 Nov	0.003671689	0.099174179	1.41409E-05	36.77344131	30.61363411	0.27229026	0.015292546	36.20211411	0.016527114	0.015578641	0.001957987	0.003955432	0.001823496	1.671808124	3.53244E-05	0.007886568	0.001449326	0.003374751	0.004327315
2077 Dec	0.003674236	0.099203169	1.41564E-05	36.80735397	30.63917351	0.272519112	0.015307567	36.24461746	0.016538916	0.015590052	0.001959149	0.003958883	0.001825156	1.673310637	3.5362E-05	0.007893307	0.001450194	0.003376955	0.004331166
2078 Jan	0.003674897	0.099216543	1.4161E-05	36.81922913	30.64810371	0.272617757	0.015318224	36.2582283	0.016541691	0.015599014	0.001959405	0.003959826	0.001825885	1.673743725	3.53959E-05	0.00789496	0.001450463	0.003377765	0.004332367
2078 Feb	0.00367502	0.099230163	1.41631E-05	36.83026123	30.65641022	0.272746801	0.015339774	36.26728821	0.016541529	0.015617835	0.001959341	0.003960148	0.001826887	1.6739434	3.54717E-05	0.007895022	0.00145062	0.003378618	0.00433318
2078 Mar	0.00367557	0.0992539	1.41669E-05	36.84699631	30.66932297	0.272923142	0.01536608	36.2814827	0.016543245	0.015640981	0.001959489	0.003960964	0.001828235	1.674358606	3.55621E-05	0.007895995	0.001450947	0.003379971	0.004334602
2078 Apr	0.003699978	0.099920243	1.42628E-05	37.10379791	30.88192558	0.274879754	0.015493723	36.53200531	0.016652327	0.015766917	0.001972345	0.003987525	0.001841528	1.685660005	3.5889E-05	0.007948245	0.001460691	0.003403315	0.004364231
2078 May	0.003593363	0.104460515	1.41637E-05	35.73288727	29.81214142	0.268091351	0.014845524	35.58929062	0.016025612	0.015503503	0.001925129	0.003839962	0.001772421	1.627280116	3.44087E-05	0.007637466	0.001449742	0.003327621	0.004191983
2078 Jun	0.003291301	0.104829282	1.32909E-05	32.36256409	27.10900688	0.247395068	0.013513848	32.55114365	0.014499912	0.014609158	0.001775109	0.003472666	0.001608869	1.475728393	3.15713E-05	0.006881921	0.001367432	0.003090758	0.003781319
2078 Jul	0.003569675	0.107824408	1.39373E-05	35.30978394	29.55930138	0.267801195	0.014743585	35.04157257	0.01588059	0.015490785	0.001931319	0.003793764	0.001755565	1.608445525	3.42924E-05	0.007537704	0.001463822	0.003314908	0.004141239
2078 Aug	0.003802289	0.106984489	1.42365E-05	37.70363617	31.54612732	0.282186061	0.015394593	36.91229248	0.017121769	0.015669415	0.002065349	0.004072992	0.001865228	1.721520305	3.50926E-05	0.008130172	0.001529229	0.003462115	0.004450807
2078 Sep	0.003880993	0.106577285	1.45088E-05	38.69097137	32.31589508	0.288410753	0.015828021	37.90510941	0.017523143	0.015920609	0.002103917	0.004176129	0.001913998	1.765135527	3.61068E-05	0.008340316	0.001549859	0.003519327	0.004569
2078 Oct	0.003863523	0.104714707	1.45483E-05	38.69374084	32.2567215	0.287606984	0.015858429	38.07521057	0.017452607	0.015865605	0.002087316	0.004171466	0.001913701	1.764110804	3.62388E-05	0.008330547	0.001535649	0.003496319	0.004567164
2078 Nov	0.003863028	0.104573272	1.45965E-05	38.74132538	32.27936554	0.287883431	0.015910532	38.18161774	0.01744538	0.015909292	0.002084648	0.004173847	0.001916597	1.765591264	3.64193E-05	0.008333576	0.001534343	0.003496682	0.004570906
2078 Dec	0.003865142	0.104585826	1.46105E-05	38.76952744	32.30010223	0.2880584	0.015919616	38.21976471	0.017455397	0.015915018	0.00208559	0.004176851	0.001917874	1.76689589	3.64379E-05	0.008339534	0.001535009	0.003498317	0.004574178
2079 Jan	0.003866045	0.104562633	1.46208E-05	38.78889465	32.31297302	0.28817609	0.015928613	38.24990845	0.017459955	0.01591924	0.00208585	0.004178707	0.001918803	1.767732143	3.6462E-05	0.008343057	0.001535223	0.003498981	0.004576295
2079 Feb	0.003865896	0.104557544	1.46228E-05	38.79681778	32.31827164	0.288265675	0.015944902	38.25853348	0.017458837	0.015932534	0.002085628	0.004178862	0.001919533	1.767855644	3.652E-05	0.008342889	0.00153522	0.003499376	0.004576827
2079 Mar	0.003868143	0.104620703	1.46334E-05	38.8299675	32.34467316	0.288553208	0.015975036	38.29046631	0.017468397	0.015959444	0.002086693	0.004181576	0.00192161	1.769068241	3.66149E-05	0.008347734	0.001536191	0.003502113	0.004580254
2079 Apr	0.003882552	0.105014496	1.46902E-05	38.98715591	32.4742775	0.289772868	0.016060071	38.44379044	0.017532738	0.016040673	0.002094298	0.004197459	0.001929931	1.775863051	3.68415E-05	0.008378743	0.001542011	0.003516039	0.004598211
2079 May	0.003937249	0.106904253	1.49117E-05	39.52561569	32.92709732	0.294004321	0.016294613	38.98818588	0.01777122	0.016295036	0.002124238	0.004254664	0.001957003	1.800305605	3.74054E-05	0.008491589	0.001565478	0.003567603	0.004660746
2079 Jun	0.003456222	0.102208517	1.36934E-05	34.23561096	28.59436798	0.257434011	0.014115596	34.06579208	0.015412736	0.014851972	0.001858508	0.003690115	0.001696268	1.56117487	3.26041E-05	0.00733026	0.001408554	0.003235667	0.004023326
2079 Jul	0.00347607	0.101583764	1.3783E-05	34.52928162	28.81773758	0.259122193	0.014356832	34.24594498	0.015523638	0.015057505	0.001864669	0.003718815	0.001713959	1.571677089	3.3339E-05	0.007382418	0.001412777	0.00327306	0.004057799
2079 Aug	0.003750487	0.102695145	1.42854E-05	37.39647293	31.19897652	0.277759016	0.015342324	36.60274887	0.016933797	0.015593466	0.002021122	0.004041868	0.001850887	1.704076767	3.51357E-05	0.008055225	0.001499617	0.00346893	0.004418152
2079 Sep	0.003751503	0.099504896	1.41374E-05	37.45696259	31.22332191	0.276412427	0.01524433	36.57288361	0.016995691	0.015330947	0.002017797	0.004053352	0.001849847	1.708176851	3.46532E-05	0.008094129	0.001483323	0.003437512	0.004434547
2079 Oct	0.003686992	0.097780876	1.40419E-05	36.89754105	30.72093964	0.272120655	0.015124397	36.17457962	0.016669832	0.01524778	0.001973586	0.003984006	0.00182417	1.68063283	3.45719E-05	0.007951923	0.001453027	0.003380549	0.004362558
2079 Nov	0.003653591	0.097165026	1.39929E-05	36.57633209	30.44238663	0.269770026	0.01504824	35.92532349	0.016494608	0.015217417	0.001950713	0.003945012	0.001809393	1.665061116	3.44957E-05	0.007872012	0.001438003	0.003352651	0.004321474
2079 Dec	0.003629663	0.096739553	1.39584E-05	36.31578445	30.21997643	0.267734736	0.014933928	35.72649384	0.016369075	0.015148879	0.001934392	0.00391611	0.001796014	1.653374791	3.42317E-05	0.007814404	0.001426902	0.003330699	0.004289681
2080 Jan	0.003629473	0.096741892	1.39601E-05	36.32092285	30.22329903	0.267800659	0.014946518	35.73273087	0.01636759	0.015159713	0.00193415	0.00391609	0.001796539	1.653421521	3.42773E-05	0.007813976	0.001426884	0.003330946	0.004289947
2080 Feb	0.00362934	0.096757039	1.39617E-05	36.33129501	30.23093414	0.267938346	0.014971379	35.7411232	0.016366005	0.015181463	0.001933918	0.00391615	0.001797603	1.653529882	3.43663E-05	0.007813385	0.001426989	0.003331713	0.004290567
2080 Mar	0.003629173	0.096766122	1.39629E-05	36.34117508	30.23815918	0.268068641	0.014995693	35.74862671	0.016364383	0.01520259	0.001933676	0.003916183	0.001798634	1.653620124	3.44535E-05	0.007812761	0.001427057	0.003332443	0.004291151
2080 Apr	0.003638308	0.097020224	1.39999E-05	36.44481659	30.32330513	0.268890977	0.015059548	35.84813309	0.016404726	0.01526352	0.001938386	0.003926279	0.001804329	1.657959938	3.46329E-05	0.007832186	0.001430772	0.003341753	0.004302786
2080 May	0.003698943	0.098703966	1.4238E-05	37.06174469	30.83592987	0.273521423	0.015333353	36.45690536	0.016676178	0.015540432	0.001970612	0.003991736	0.001835383	1.685707331	3.5293E-05	0.007961947	0.001454976	0.003398476	0.004374963
2080 Jun	0.003463066	0.095847994	1.37411E-05	34.51538467	28.73041916	0.255470753	0.014379889	34.03488159	0.015523081	0.015001139	0.001833211	0.00371865	0.001712278	1.568276525	3.33672E-05	0.007391931	0.001376715	0.003266738	0.004065837
2080 Jul	0.003396625	0.095143266	1.36823E-05	33.83021927	28.15365982	0.250669032	0.01431972	33.31124878	0.015173355	0.015111312	0.001786889	0.003636722	0.00168448	1.532829285	3.36193E-05	0.007214171	0.001349125	0.003249317	0.003978216
2080 Aug	0.003562466	0.095454998	1.39694E-05	35.58163452	29.60547256	0.261970222	0.014967549	34.71705246	0.016027026	0.01546455	0.001879957	0.003831444	0.001769358	1.612785697	3.48842E-05	0.007620782	0.001397794	0.003364884	0.004198306

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.003592139	0.093251005	1.38973E-05	35.95210648	29.89780998	0.263366789	0.015054791	34.94252396	0.01622426	0.015358563	0.001895336	0.003874053	0.00178564	1.630111337	3.49115E-05	0.007719899	0.001395412	0.003362613	0.004250245
2080 Oct	0.003552656	0.091519058	1.38206E-05	35.66643524	29.62360954	0.260899097	0.015019375	34.7677002	0.01603413	0.015292578	0.001867082	0.00383591	0.001772812	1.615408063	3.49606E-05	0.007643408	0.0013737	0.003319776	0.004213145
2080 Nov	0.003515787	0.090812795	1.37891E-05	35.29373932	29.29610252	0.257955939	0.014861915	34.52909088	0.01583929	0.015195188	0.001841307	0.003793366	0.001753631	1.598559976	3.46129E-05	0.007558065	0.001356388	0.003284695	0.004166716
2080 Dec	0.003516406	0.090771452	1.381E-05	35.31354523	29.30636215	0.258035034	0.014866917	34.57614899	0.015840944	0.015197817	0.001840884	0.003795185	0.001754391	1.599477649	3.4624E-05	0.00756153	0.001356167	0.003284699	0.004168738
2081 Jan	0.003516525	0.090782322	1.38132E-05	35.32596588	29.31539536	0.258173317	0.014889656	34.58826447	0.015840683	0.015217417	0.001840773	0.003795594	0.001755469	1.599727392	3.47038E-05	0.007561726	0.001356309	0.00328554	0.00416967
2081 Feb	0.003516296	0.090792678	1.3814E-05	35.33478928	29.32182503	0.25829646	0.014913019	34.59484863	0.01583875	0.015237762	0.001840507	0.003795538	0.001756435	1.599780083	3.4788E-05	0.007560937	0.001356364	0.003286182	0.00417014
2081 Mar	0.003517003	0.090822987	1.38186E-05	35.35383224	29.33660889	0.258494496	0.014941704	34.61118698	0.015841084	0.015263155	0.001840725	0.00379653	0.001757936	1.600275517	3.48861E-05	0.007562209	0.001356768	0.003287746	0.004171792
2081 Apr	0.003530826	0.091195561	1.38754E-05	35.50696945	29.46240044	0.25968343	0.015030318	34.75920105	0.015902314	0.015349007	0.001847774	0.003811744	0.001766189	1.606783509	3.51292E-05	0.007591686	0.001362263	0.003301692	0.004189161
2081 May	0.003476333	0.096095011	1.38269E-05	34.67069626	28.85521507	0.256740779	0.014718144	34.10980225	0.015534124	0.01537	0.00182838	0.003718751	0.00172708	1.570470095	3.45445E-05	0.007392211	0.001367505	0.00327374	0.004080803
2081 Jun	0.003274206	0.098000191	1.32501E-05	32.36333847	27.03123856	0.243590921	0.013869755	32.02773666	0.014484622	0.014884862	0.001731848	0.003464272	0.001617317	1.466214895	3.28546E-05	0.006864558	0.00132059	0.003121935	0.003795567
2081 Jul	0.00351833	0.102405846	1.40022E-05	35.02537918	29.23338127	0.263210297	0.015222927	34.40155411	0.015639236	0.01603635	0.00186392	0.003740766	0.00175618	1.582196236	3.62952E-05	0.007414896	0.001411761	0.003344002	0.004109782
2081 Aug	0.003874344	0.104558587	1.46424E-05	38.67281723	32.28355026	0.28717503	0.016433688	37.37171555	0.017461523	0.01671621	0.002069369	0.004154935	0.001929527	1.751672864	3.84119E-05	0.008277572	0.001529191	0.003601961	0.004570388
2081 Sep	0.003929326	0.103795268	1.4806E-05	39.3674202	32.82256699	0.291303307	0.016715819	38.05683899	0.017750878	0.01684426	0.002096001	0.004228321	0.00196314	1.782666087	3.90266E-05	0.008429882	0.001541013	0.003635908	0.004655356
2081 Oct	0.003920994	0.103133574	1.48997E-05	39.42512894	32.82455444	0.291473031	0.016812606	38.27630615	0.017702598	0.016909856	0.00208541	0.004227721	0.001967042	1.783697009	3.93879E-05	0.008424954	0.001534419	0.003628087	0.00465764
2081 Nov	0.003874631	0.101895146	1.48303E-05	38.99764252	32.44304657	0.288053334	0.016634041	37.9926033	0.017475091	0.016756678	0.002055325	0.00417926	0.001945142	1.764192939	3.89967E-05	0.008327212	0.001513524	0.003584426	0.004604748
2081 Dec	0.003871274	0.101817392	1.48346E-05	38.97428894	32.41948318	0.287871182	0.016634859	37.98808289	0.01745647	0.016760964	0.002052618	0.004175846	0.001944167	1.762933016	3.9018E-05	0.008319897	0.001511848	0.003581697	0.004601333
2082 Jan	0.003871161	0.101817749	1.48371E-05	38.98205185	32.42466736	0.287959218	0.016650414	37.99729156	0.017455358	0.016773997	0.0020524	0.004176003	0.001944868	1.763063073	3.90734E-05	0.008319752	0.001511861	0.003582084	0.004601849
2082 Feb	0.00387127	0.10183695	1.48395E-05	38.99394989	32.43363571	0.288102716	0.01667423	38.00733566	0.017454961	0.016794927	0.00205231	0.004176315	0.001945963	1.76327014	3.91575E-05	0.008319719	0.001512045	0.003583001	0.0046027
2082 Mar	0.003873107	0.101896532	1.48479E-05	39.02149582	32.45577621	0.288351625	0.016701771	38.03255081	0.017462546	0.016820053	0.002053164	0.004178461	0.00194776	1.764236331	3.92458E-05	0.00832345	0.00151287	0.003585394	0.004605492
2082 Apr	0.003884391	0.102203771	1.48931E-05	39.14775848	32.55966187	0.289343745	0.016777318	38.1532135	0.017512565	0.016892372	0.002058985	0.004190885	0.001954639	1.769561291	3.94555E-05	0.008347466	0.001517404	0.003596789	0.004619773
2082 May	0.003941878	0.103730366	1.51157E-05	39.73863983	33.05004501	0.293766916	0.017050175	38.72751236	0.017770853	0.017163875	0.002089315	0.004253135	0.001984668	1.795921683	4.01266E-05	0.008470764	0.001539998	0.003650909	0.004688923
2082 Jun	0.003534616	0.096426964	1.42775E-05	35.47974777	29.4560051	0.261856139	0.015088393	35.02349091	0.015835118	0.015704658	0.001854044	0.003808006	0.001767333	1.60538137	3.55188E-05	0.007554456	0.001395861	0.003373745	0.004178459
2082 Jul	0.003375289	0.094193742	1.39963E-05	33.90750122	28.12911606	0.250953674	0.014689213	33.55190659	0.015051627	0.015538167	0.001757702	0.003629523	0.001696148	1.529240489	3.5075E-05	0.007174666	0.001341342	0.003292889	0.00398129
2082 Aug	0.003589182	0.09598165	1.44788E-05	36.19875717	30.02825165	0.266641021	0.015664915	35.47465897	0.016118968	0.016213341	0.001876482	0.003877535	0.00181063	1.631961703	3.72561E-05	0.007682964	0.00141195	0.003460715	0.004262531
2082 Sep	0.003674887	0.095769867	1.46068E-05	37.12832642	30.79550171	0.272563189	0.016025821	36.21671677	0.016565278	0.016397936	0.001923906	0.003979533	0.001855997	1.674084425	3.79817E-05	0.007897198	0.001435787	0.003516448	0.004379577
2082 Oct	0.003531494	0.091853492	1.41389E-05	35.69759369	29.58468056	0.261660695	0.015456985	34.93588257	0.015884636	0.015868759	0.0018389	0.003820117	0.001784846	1.608679295	3.67087E-05	0.007582178	0.001372212	0.003372336	0.00420778
2082 Nov	0.003540907	0.091851331	1.42118E-05	35.84500885	29.69029045	0.262610793	0.015530666	35.13799667	0.015927492	0.015921285	0.001842287	0.003834277	0.001792169	1.615024209	3.69062E-05	0.007609611	0.001374702	0.00337971	0.004224141
2082 Dec	0.003544957	0.091858536	1.42399E-05	35.9014473	29.73119164	0.262953192	0.015547557	35.2165947	0.015947102	0.015929939	0.001844089	0.003840321	0.00179468	1.617651939	3.69389E-05	0.007621609	0.00137595	0.003382679	0.004230724
2083 Jan	0.003545182	0.091866992	1.42434E-05	35.91430664	29.74057007	0.263087839	0.015568656	35.22948074	0.015947491	0.015947854	0.00184405	0.003840868	0.00179573	1.617952228	3.70121E-05	0.007622142	0.00137611	0.003383526	0.004231763
2083 Feb	0.003546137	0.091902919	1.42485E-05	35.93235397	29.75484657	0.263263255	0.015591077	35.24560547	0.015951132	0.015968082	0.001844439	0.003842051	0.001797025	1.618507385	3.70868E-05	0.007623987	0.001376584	0.003385074	0.004233464
2083 Mar	0.003548604	0.091976821	1.42602E-05	35.96912766	29.78429604	0.263589263	0.015627148	35.27933502	0.015961424	0.016001035	0.001845573	0.003844956	0.001799404	1.61980617	3.72021E-05	0.007629067	0.001377661	0.00338831	0.004237217
2083 Apr	0.003563481	0.092370786	1.43217E-05	36.13167191	29.91787529	0.264835656	0.015717706	35.43640518	0.016027568	0.01608975	0.001853164	0.003861315	0.001808072	1.626771092	3.74468E-05	0.007660849	0.00138355	0.003403389	0.004255793
2083 May	0.003568567	0.09606953	1.45584E-05	36.07993317	29.88565445	0.265869707	0.015560593	35.74617004	0.015981946	0.016094035	0.001861284	0.003858123	0.001801851	1.628017068	3.69696E-05	0.007647304	0.001401454	0.00341053	0.004244802
2083 Jun	0.003240945	0.097214326	1.36296E-05	32.33161926	26.88127136	0.242658883	0.013794161	32.55236435	0.014328637	0.014818706	0.001705257	0.003461263	0.001612111	1.464876652	3.27417E-05	0.006837428	0.001317165	0.003133771	0.003791362
2083 Jul	0.003408479	0.097521655	1.39184E-05	34.16408157	28.39787865	0.254819006	0.014584501	33.97695923	0.015196666	0.015301042	0.001799547	0.003661339	0.00170407	1.546441555	3.45017E-05	0.007248827	0.001369939	0.003265	0.004019748
2083 Aug	0.003631305	0.096077353	1.40963E-05	36.43367767	30.2939682	0.268227726	0.015196273	35.62905502	0.016401097	0.015410946	0.001929497	0.00392703	0.00180818	1.653626442	3.52057E-05	0.007818113	0.001427823	0.003394693	0.004318723
2083 Sep	0.003670046	0.093632825	1.40516E-05	36.8633461	30.62719727	0.269445211	0.015171326	35.96548462	0.016648969	0.015189862	0.001949337	0.003982374	0.001823327	1.675906539	3.47637E-05	0.007947469	0.001427076	0.003390808	0.004381814
2083 Oct	0.003530049	0.090566076	1.37537E-05	35.44530106	29.41202927	0.25860253	0.014602436	34.83657074	0.015949441	0.014764621	0.001860271	0.00382309	0.001752187	1.611236215	3.35208E-05	0.007628609	0.001365197	0.003260182	0.004207783
2083 Nov	0.003491979	0.089701205	1.37009E-05	35.06336212	29.07748413	0.255549282	0.014422092	34.57766724	0.015757289	0.014627905	0.00183517	0.00378089	0.001732113	1.594259977	3.30897E-05	0.007544417	0.001347851	0.003223473	0.004160954
2083 Dec	0.003494463	0.089696698	1.37214E-05	35.10596466	29.10775375	0.255833507	0.014444804	34.63634109	0.015768996	0.014643058	0.001836122	0.003784937	0.001734273	1.59606564	3.31527E-05	0.007552105	0.00134861	0.003225637	0.004165628
2084 Jan	0.003494087	0.089700773	1.37221E-05	35.11470413	29.11388779	0.255958796	0.014470231	34.64284897	0.015766308	0.014665153	0.001835744	0.00378476	0.00173529	1.596075535	3.3245E-05	0.007551007	0.001348594	0.00322624	0.004166022
2084 Feb	0.003494047	0.089714982	1.37239E-05	35.1264267	29.12261772	0.256106585	0.014496433	34.65200043	0.015765194	0.014688032	0.001835565	0.003784934	0.001736443	1.596229792	3.33383E-05	0.007550626	0.001348724	0.003227133	0.004166788
2084 Mar	0.00349652	0.0897898	1.37354E-05	35.16356659	29.15235901	0.256437361	0.014533078	34.68613434	0.015775492	0.014721342	0.001836708	0.003787852	0.001738852	1.597538471	3.34555E-05	0.007555723	0.001349808	0.003230347	0.004170575
2084 Apr	0.003518983	0.090375863	1.38256E-05	35.40216446	29.34905052	0.258237481	0.01465348	34.91892242	0.015876003	0.014839294	0.001848347	0.003812446	0.001751236	1.607990146	3.37662E-05	0.007604045	0.001358602	0.003252051	0.004198245
2084 May	0.003480203	0.095646672	1.39019E-05	34.74117279	28.86986923	0.256321132	0.014337314	34.55656433	0.015578369	0.01485574	0.00183667	0.00374071	0.001718384	1.580912709	3.30765E-05	0.007447338	0.001369919	0.003235674	0.004110692
2084 Jun	0.003140067	0.09635967	1.29192E-05	30.94651031	25.83259392	0.233294219	0.0128884	31.11499214	0.013853945	0.013926476	0.001667782	0.003325019	0.001535736	1.409505844	3.00747E-05	0.006590273	0.001278939	0.00297403	0.003643369
2084 Jul	0.003328041	0.098063879	1.33691E-05	33.0466423	27.56468201	0.248103023	0.013930451	32.86256027	0.014788183	0.014693416	0.001771199	0.003545928	0.001644661	1.500958204	3.2653E-05	0.007035638	0.001343558	0.00313511	0.003897266
2084 Aug	0.003604827	0.097835168	1.37155E-05	35.87285233	29.92799377	0.265650064	0.014737567	35.04559326	0.016255276	0.014971007	0.001933194	0.003874296	0.001775488	1.63412106	3.37428E-05	0.007730193	0.001426851	0.003315645	0.004264035
2084 Sep	0.003635488	0.095823973	1.3731E-05	36.28755569	30.23869514	0.267283857	0.014826601	35.41345978	0.016450534	0.014884334	0.001947455	0.003921811	0.001793179	1.653634787	3.37762E-05	0.007835982	0.001426191	0.003319552	0.004319856
2084 Oct	0.00355539	0.093652852	1.36067E-05	35.50157928	29.54570389	0.260841817	0.014467721	34.86397934	0.01605241	0.01460004	0.001893923	0.003834497	0.001752121	1.618354797	3.29303E-05	0.007662239	0.001388182	0.003242002	0.004223643
2084 Nov	0.003529628	0.09307342	1.3581E-05	35.24710464	29.32081223	0.258797467	0.014358462	34.69713211	0.015919825	0.014525785	0.001876178	0.003805718	0.001738986	1.606837392	3.26864E-05	0.007604394	0.001376122	0.003218134	0.004191936
2084 Dec	0.003532458	0.093090601	1.36002E-05	35.28689957	29.35004425	0.25905472	0.014374516	34.75008011	0.01593315	0.01453668	0.001877417	0.003809801	0.001740877	1.608621597	3.2725E-05	0.007612382	0.001377034	0.003220456	0.004196488
2085 Jan	0.003533183	0.093076453	1.36088E-05	35.30402374	29.36157036	0.259170383	0.014385228	34.77568436	0.015936645	0.014543203	0.001877611	0.003811313	0.001741777	1.609315157	3.27569E-05	0.007615153	0.001377236	0.003221108	0.00419829
2085 Feb	0.003533399	0.093089037	1.36117E-05	35.31624222	29.37064934	0.259303719	0.014406238	34.78709412	0.015936973	0.014561267	0.001877586	0.003811798	0.001742805	1.609585285	3.28301E-05	0.007615558	0.001377417	0.003221981	0.004199257
2085 Mar	0.003534002	0.093115158	1.36159E-05	35.33439636	29.38466072	0.259494841	0.01443467	34.80253983	0.015938858	0.014586287	0.00187775	0.003812689	0.001744265	1.610037923	3.29278E-05	0.007616627	0.001377775	0.003223448	0.004200805
2085 Apr	0.003545866	0.093435414	1.36631E-05	35.46331787	29.49094391	0.26049003	0.01450513	34.92741394	0.01599168	0.014654307	0.001883922	0.003825696	0.001751107	1.615594625	3.31163E-05	0.007642012	0.001382501	0.003235048	0.004215616
2085 May	0.003517072	0.09742175	1.37485E-05	34.98348236	29.13816833	0.259129882	0.014266807	34.70782852	0.015767928	0.014667186	0.00187477	0.003773568	0.001726921	1.596115589	3.25927E-05	0.007527148	0.001391253	0.003223651	0.004151327
2085 Jun	0.003386386	0.100428194	1.34786E-05	33.48771286	27.96433067	0.251643479	0.0138325	33.42871475	0.015048337	0.014560396	0.001812344	0.003602359	0.001659088	1.526975632	3.19771E-05	0.007163437	0.001368604	0.003141631	0.003959128
2085 Jul	0.00362786	0.102950104	1.40704E-05	36.08171082	30.11060715	0.269610047	0.014949363	35.6530421	0.016242757	0.015365849	0.001946392	0.003882601	0.001788964	1.643103838	3.45129E-05	0.007734247	0.001451261	0.00333713	0.004276918
2085 Aug	0.003820307	0.099653214	1.41265E-05	38.05591965	31.7460041	0.280053914	0.015282108	37.06492615	0.017341487	0.015148766	0.002060825	0.004124116	0.001873888	1.739343166	3.43289E-05	0.008260446	0.001495837	0.00343235	0.004546362
2085 Sep	0.003764853	0.095637538	1.39617E-05	37.62668228	31.32951927	0.275254488	0.015047212	36.74888611	0.017116409	0.014807304	0.002021437	0.004076944	0.001849744	1.719980836	3.36851E-05	0.00817458	0.001458435	0.003362021	0.004498149
2085 Oct	0.003681956	0.093218267	1.38528E-05	36.89046097	30.66308022	0.269262582	0.014776249	36.27134705	0.016708242	0.01457917	0.001965673	0.003991334	0.001812809	1.685628653	3.31528E-05	0.008000958	0.001419723	0.003285824	0.004405418
2085 Nov	0.003636539	0.092126809	1.37915E-05	36.44652176	30.27177429	0.265700877	0.014573851	35.96863174	0.01648194	0.014423011	0.001935859	0.003942177	0.001789671	1.665712237	3.26816E-05	0.007902106	0.001399352	0.003244148	0.004350667
2085 Dec	0.003637955	0.092123054	1.38043E-05	36.47188568	30.28957939	0.265870005	0.014588093	36.00437164	0.016488466	0.014432929	0.001936347	0.003944536	0.001790972	1.666773319	3.2722E-05	0.007906544	0.001399768	0.003245436	0.004353416
2086 Jan	0.003637623	0.092124008	1.38058E-05	36.48080826	30.29567146	0.265989155	0.014611754	36.01230621	0.016486069	0.014453274	0.001935982	0.003944458	0.001791943	1.666821599	3.28076E-05	0.007905686	0.001399748	0.003246003	0.004353866
2086 Feb	0.003637282	0.092130877	1.38065E-05	36.48922348	30.30167961	0.266111583	0.014636141	36.01831055	0.016483601	0.014474488	0.001935644	0.0039443	0.001792921	1.666833997	3.2896E-05	0.007904653	0.001399762	0.003246617	0.004354251
2086 Mar	0.003638229	0.092165843	1.3812E-05	36.51088333	30.31858444	0.266328275	0.014665937	36.03736496	0.016487041	0.014500828	0.001935989	0.00394557	0.001794551	1.667447448	3.29968E-05	0.00790648	0.001400254	0.003248384	0.004356215
2086 Apr	0.003654942	0.092598781	1.38775E-05	36.69172287	30.46756363	0.267709166	0.014761212	36.21324921	0.016561909	0.014591601	0.001944714	0.003963965	0.001804047	1.675302029	3.32473E-05	0.007942574	0.001406813	0.003264297	0.00437713
2086 May	0.003693147	0.095025092	1.40883E-05	37.0222168	30.75443649	0.270784855	0.014883175	36.62431335	0.016705969	0.014788067	0.00196683	0.003999369	0.00182017	1.691078901	3.35326E-05	0.008009968	0.001427736	0.003303281	0.004414147
2086 Jun	0.003313811	0.096012831	1.31735E-05	32.71155167	27.28591537	0.243754134	0.013139646	32.77023697	0.014769719	0.013776956	0.001770838	0.003534847	0.001609686	1.497544527	2.97918E-05	0.007046733	0.001326575	0.003042111	0.003883426
2086 Jul	0.003463708	0.097200774	1.35847E-05	34.37049103	28.64872551	0.255109727	0.013956295	34.11852646	0.015518514	0.01442025	0.001850541	0.003712081	0.001695558	1.569562912	3.18156E-05	0.0074007	0.00137829	0.003187698	0.004085498
2086 Aug	0.003738106	0.09595906	1.39121E-05	37.21567154	31.00952721	0.272221804	0.014722809	36.3383522	0.016993854	0.014597256	0.002010323	0.004044281	0.001825723	1.70408833	3.27331E-05	0.008106168	0.001456079	0.003358189	0.004457819
2086 Sep	0.003730113	0.092787288	1.38391E-05	37.25076294	30.99297714	0.270838261	0.014666783	36.37988663	0.017004238	0.014386545	0.001999836	0.004049024	0.001824641	1.706049442	3.2458E-05	0.008126779	0.001436808	0.003327267	0.004467441
2086 Oct	0.003721814	0.092082925	1.3936E-05	37.26450729	30.96064377	0.270439297	0.014675121	36.57112122	0.016956041	0.014384492	0.001988846	0.004047102	0.001824407	1.706324339	3.25078E-05	0.008121707	0.001429229	0.003316471	0.004466318
2086 Nov	0.003733739	0.09228202	1.3998E-05	37.4041214	31.06938171	0.271385878	0.014728712	36.7358017	0.01701094	0.014428997	0.001994656	0.004061899	0.001831072	1.712683916	3.26291E-05	0.008151074	0.001433445	0.003326648	0.004482687
2086 Dec	0.003736129	0.092282191	1.40172E-05	37.44581985	31.09923935	0.271673828	0.014753352	36.79151154	0.017022135	0.01444624	0.001995584	0.004065766	0.001833258	1.714410543	3.26998E-05	0.008158335	0.001434214	0.003328891	0.004487221
2087 Jan	0.003735945	0.092282057	1.40196E-05	37.45730972	31.10724449	0.271811426	0.014778859	36.80223083	0.017020488	0.014467881	0.001995291	0.00406592	0.001834375	1.714559197	3.27909E-05	0.008157911	0.001434242	0.003329617	0.004487953
2087 Feb	0.003736461	0.092306644	1.40235E-05	37.4749527	31.12080002	0.27200073	0.014807671	36.81718063	0.017021947	0.014493176	0.001995403	0.004066724	0.001835826	1.71497798	3.28904E-05	0.008158785	0.001434572	0.003331027	0.00448942
2087 Mar	0.003739752	0.092397638	1.40377E-05	37.52016068	31.15725708	0.272387594	0.014846832	36.8591423	0.01703611	0.014528611	0.001997003	0.004070549	0.001838612	1.716667295	3.3012E-05	0.008165742	0.001435956	0.00333489	0.004494211
2087 Apr	0.003748219	0.092615582	1.40714E-05	37.61776352	31.23716927	0.273156106	0.014907451	36.9524498	0.017073845	0.014584897	0.002001362	0.004080024	0.001843986	1.720740438	3.31825E-05	0.008184008	0.001439327	0.003343401	0.004505257
2087 May	0.003721906	0.094931066	1.4058E-05	37.21570206	30.94300461	0.271682799	0.014757575	36.64444351	0.016895609	0.014601078	0.001991344	0.004035359	0.001825148	1.703235388	3.29042E-05	0.008087905	0.001441459	0.003331219	0.004452682
2087 Jun	0.003469637	0.098316155	1.34564E-05	34.25526428	28.60404015	0.254771441	0.013667529	34.01184845	0.015552172	0.014105319	0.001866178	0.003709651	0.001684176	1.569523573	3.07569E-05	0.007408483	0.001384698	0.003159538	0.004082094
2087 Jul	0.003615934	0.100301191	1.39447E-05	35.92412186	29.96022797	0.26670453	0.014536705	35.54189682	0.016250249	0.014812109	0.001942414	0.003881098	0.001771427	1.641504645	3.30038E-05	0.007749065	0.001435128	0.003291904	0.004279814

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.003884098	0.101336136	1.44211E-05	38.70462418	32.27729416	0.284770578	0.015505468	37.78065491	0.017628029	0.01535049	0.002094891	0.004194101	0.00190471	1.769701481	3.47849E-05	0.008402102	0.001518965	0.003483947	0.004633271
2087 Sep	0.003976017	0.101288475	1.47003E-05	39.73168182	33.09884262	0.291110784	0.015888283	38.75638962	0.018088525	0.015586893	0.002140728	0.004305509	0.001953838	1.816427827	3.55628E-05	0.008633193	0.001543149	0.003548817	0.004760477
2087 Oct	0.003944551	0.100180387	1.47384E-05	39.51803589	32.87463379	0.289117903	0.015819434	38.74842072	0.017928332	0.015524331	0.002116485	0.004278	0.001942735	1.806092262	3.54691E-05	0.008575505	0.001527067	0.003519754	0.004731014
2087 Nov	0.003928516	0.099809892	1.47285E-05	39.35697556	32.73110199	0.287777126	0.01573745	38.65209961	0.017845927	0.015466514	0.00210532	0.004260369	0.001934044	1.799016833	3.52674E-05	0.008540245	0.001519505	0.003504701	0.004711106
2087 Dec	0.003931693	0.099786095	1.47553E-05	39.40723419	32.76609039	0.288070172	0.015752761	38.72713089	0.017861607	0.0154728	0.002106589	0.004265663	0.001936263	1.801339507	3.52984E-05	0.00855066	0.001520393	0.003506948	0.004716909
2088 Jan	0.003932047	0.099785373	1.47614E-05	39.4246521	32.77831268	0.288233131	0.015776789	38.74745178	0.017862676	0.015492311	0.002106551	0.004266602	0.001937552	1.801820636	3.53805E-05	0.008551891	0.001520571	0.003507934	0.004718415
2088 Feb	0.003931921	0.099793188	1.47625E-05	39.4329071	32.78432083	0.288340598	0.015796637	38.75402832	0.017861387	0.015509566	0.002106355	0.00426665	0.0019384	1.801904082	3.54517E-05	0.008551421	0.001520632	0.003508541	0.004718907
2088 Mar	0.003935538	0.099895321	1.4778E-05	39.48108673	32.8233223	0.288750261	0.015836731	38.79899597	0.01787699	0.015546056	0.002108137	0.004270809	0.001941327	1.803735256	3.5575E-05	0.008559052	0.001522153	0.003512679	0.004724061
2088 Apr	0.003970919	0.100804858	1.49126E-05	39.84727478	33.12677002	0.2914837	0.016003365	39.15664673	0.018036887	0.015706971	0.002126942	0.004309418	0.001959862	1.82011354	3.59809E-05	0.008635757	0.00153596	0.003545122	0.004767292
2088 May	0.004048173	0.102985844	1.52101E-05	40.62389374	33.77391052	0.297316432	0.016329642	39.92916489	0.018383127	0.016033875	0.002168196	0.004392506	0.001998435	1.855413198	3.67406E-05	0.008801369	0.001566828	0.003614855	0.004859413
2088 Jun	0.003776775	0.100835674	1.46337E-05	37.65446854	31.33642578	0.276964784	0.015233625	37.1345253	0.017035045	0.015455487	0.002013104	0.004072238	0.001855556	1.718711019	3.45607E-05	0.008132094	0.001481622	0.003460738	0.004493722
2088 Jul	0.003923035	0.103703424	1.51788E-05	39.23578262	32.63649368	0.288450211	0.016038394	38.56548691	0.017719116	0.016207017	0.002088931	0.004238038	0.001937983	1.787376046	3.66331E-05	0.008457176	0.001537789	0.003612431	0.00468116
2088 Aug	0.004285588	0.106877513	1.59708E-05	42.96642303	35.74415207	0.313340962	0.017330496	41.73156738	0.019541956	0.017030878	0.002294743	0.004657392	0.002116455	1.959947348	3.90435E-05	0.009324737	0.001659977	0.003885627	0.005151063
2088 Sep	0.004368624	0.107359178	1.62802E-05	43.9564209	36.5267601	0.319928974	0.017760409	42.74552536	0.019948447	0.017327812	0.002336727	0.0047613	0.002165376	2.004011869	4.00535E-05	0.00953443	0.001685987	0.003950813	0.005269782
2088 Oct	0.004198023	0.103668362	1.58652E-05	42.23899078	35.06467056	0.307042986	0.017080156	41.31166077	0.019113217	0.016790163	0.00223283	0.004569932	0.002079911	1.925505042	3.85799E-05	0.009149445	0.001614377	0.003797157	0.005058629
2088 Nov	0.004168825	0.103158697	1.58111E-05	41.93374252	34.80496597	0.304751635	0.016960764	41.06840134	0.018963434	0.016714549	0.002213943	0.004535584	0.002064703	1.911561131	3.83259E-05	0.009080269	0.001601746	0.003771322	0.005020712
2088 Dec	0.004171877	0.10316965	1.58328E-05	41.97724533	34.83656311	0.305024922	0.016976578	41.12812805	0.018977964	0.016724318	0.002215267	0.004540112	0.002066717	1.913539171	3.83618E-05	0.009089163	0.001602705	0.003773723	0.005025731
2089 Jan	0.004171739	0.103174716	1.58345E-05	41.98571396	34.84257126	0.305131316	0.016996346	41.13565063	0.018976597	0.01674144	0.002215045	0.004540178	0.002067568	1.913633823	3.84326E-05	0.009088729	0.001602742	0.0037743	0.005026242
2089 Feb	0.004171922	0.103192128	1.58367E-05	41.99759293	34.85160065	0.305269569	0.017018959	41.14539856	0.018976646	0.016761327	0.002215009	0.004540557	0.002068631	1.913860083	3.8512E-05	0.009088877	0.001602934	0.003775242	0.005027133
2089 Mar	0.004176783	0.103322156	1.58568E-05	42.05702209	34.90000534	0.305752933	0.017061321	41.20157623	0.018998018	0.016800454	0.002217455	0.004546051	0.002072049	1.916243196	3.86368E-05	0.009099257	0.001604912	0.00378044	0.005033704
2089 Apr	0.004200279	0.103912219	1.59477E-05	42.30438995	35.10433197	0.3076033	0.017180394	41.44179535	0.019104147	0.016915007	0.00222979	0.004571839	0.002084739	1.927180648	3.8936E-05	0.009150238	0.001614048	0.003802525	0.005062758
2089 May	0.004168786	0.107230693	1.59431E-05	41.79296112	34.73540878	0.305877566	0.016981825	41.05990601	0.018880649	0.016944442	0.002218769	0.004515314	0.002060637	1.905181885	3.85552E-05	0.009028297	0.001618843	0.003789018	0.004995577
2089 Jun	0.00395264	0.111095503	1.54341E-05	39.26142883	32.746418	0.292171896	0.016116139	38.83221054	0.017711844	0.016603351	0.002114076	0.004232727	0.001942122	1.790075779	3.69831E-05	0.008435844	0.001574842	0.003642898	0.004675029
2089 Jul	0.004182528	0.112480886	1.59809E-05	41.72298431	34.76855087	0.308367461	0.017027779	40.97466278	0.01887344	0.01717194	0.002241621	0.004505656	0.002061069	1.902529359	3.88165E-05	0.008997741	0.001648869	0.003817608	0.004983343
2089 Aug	0.004434887	0.113222048	1.64782E-05	44.36994553	36.95368195	0.325245559	0.017886272	43.20763016	0.020173138	0.017608045	0.002384285	0.00480562	0.002185833	2.025507212	4.02887E-05	0.009623531	0.001726575	0.003994226	0.005321105
2089 Sep	0.004482322	0.111625209	1.66085E-05	44.95524979	37.39157104	0.32783252	0.017960699	43.84424973	0.02044302	0.017516192	0.002406692	0.004874768	0.002209277	2.054200411	4.01754E-05	0.009773184	0.001732777	0.0040103	0.005398634
2089 Oct	0.004303621	0.106022246	1.60889E-05	43.23625183	35.90816116	0.314162195	0.017259609	42.3615799	0.01960757	0.016847715	0.002297619	0.004684235	0.002122852	1.975458622	3.85941E-05	0.009394888	0.001651662	0.003838014	0.0051907
2089 Nov	0.004296582	0.105739169	1.60946E-05	43.20231247	35.86892319	0.313876569	0.017286411	42.36024475	0.019569663	0.016873008	0.00229152	0.00467771	0.002122023	1.973126292	3.87228E-05	0.009380626	0.001647594	0.00383221	0.005184932
2089 Dec	0.004299818	0.105764523	1.61159E-05	43.24738312	35.90229034	0.314173758	0.017305609	42.41897964	0.019584827	0.016886568	0.00229296	0.004682302	0.002124198	1.975131869	3.87703E-05	0.009389587	0.001648664	0.003834937	0.005190092
2090 Jan	0.00430059	0.105784066	1.61216E-05	43.26411438	35.91492844	0.314326078	0.017324854	42.43655396	0.019587833	0.016903099	0.002293224	0.004683435	0.002125345	1.975668311	3.8834E-05	0.009391396	0.001649013	0.003836141	0.005191686
2090 Feb	0.004301269	0.105813332	1.61259E-05	43.28213882	35.92892456	0.314513206	0.017351704	42.45220947	0.019590093	0.016926816	0.002293439	0.004684387	0.002126758	1.976143122	3.89258E-05	0.009392634	0.0016494	0.003837604	0.00519326
2090 Mar	0.004304882	0.105912127	1.61414E-05	43.33032227	35.9678688	0.314920276	0.017391525	42.49724579	0.019605733	0.016962947	0.002295211	0.00468856	0.002129675	1.977977753	3.9048E-05	0.009400305	0.001650905	0.003841724	0.005198431
2090 Apr	0.004319233	0.106273949	1.6197E-05	43.4864769	36.09644699	0.316110998	0.017474521	42.64805222	0.019670308	0.017041191	0.002302713	0.004704426	0.002137896	1.984743834	3.92669E-05	0.00943143	0.001656522	0.003855422	0.005216564
2090 May	0.00436394	0.107679106	1.64273E-05	43.97664642	36.48981476	0.319809616	0.017672271	43.22610855	0.019866122	0.017234221	0.002326328	0.004756069	0.002161779	2.007144213	3.97347E-05	0.009532466	0.001675518	0.003896144	0.005273407
2090 Jun	0.003923296	0.105774768	1.55367E-05	39.28474045	32.59797668	0.28866303	0.015554667	39.50117874	0.01766816	0.015731117	0.002092618	0.004253686	0.001924544	1.799359441	3.48833E-05	0.00849423	0.001546092	0.003560465	0.004694215
2090 Jul	0.004096063	0.107024387	1.59303E-05	41.09455872	34.10027313	0.300678283	0.016255515	40.97863007	0.018542266	0.016215412	0.002188774	0.004455498	0.002013185	1.88148284	3.63406E-05	0.008907394	0.001604324	0.003704995	0.004921919
2090 Aug	0.00415845	0.101656713	1.56334E-05	41.72549438	34.62243271	0.301813424	0.016156308	41.13662338	0.019000728	0.015693629	0.00222762	0.004544498	0.002034904	1.914823294	3.53817E-05	0.009123174	0.001597901	0.003695485	0.005026078
2090 Sep	0.004049561	0.097104467	1.52771E-05	40.71023178	33.73466492	0.293157279	0.015734412	40.22785187	0.018509684	0.015233823	0.002158992	0.004431678	0.001983404	1.868149757	3.43951E-05	0.008903894	0.001541943	0.003581578	0.004905416
2090 Oct	0.003834311	0.092735387	1.4714E-05	38.57876205	31.93441391	0.277821422	0.015128873	38.30971527	0.017439237	0.014826535	0.002025545	0.004183579	0.001884065	1.766624331	3.34599E-05	0.008399474	0.001451756	0.003399364	0.004637587
2090 Nov	0.003769101	0.09132757	1.45419E-05	37.94918823	31.39953232	0.273288429	0.014952106	37.74921417	0.01711899	0.014695226	0.001985637	0.004110161	0.001854764	1.73656106	3.31933E-05	0.008249867	0.001424711	0.003344052	0.004558371
2090 Dec	0.003772387	0.091329932	1.4567E-05	37.99608612	31.43301582	0.27356714	0.014965587	37.81706619	0.017134756	0.014702121	0.001987021	0.004115175	0.001856824	1.738751411	3.32188E-05	0.008259796	0.00142569	0.003346457	0.004563847
2091 Jan	0.003773149	0.091327064	1.45753E-05	38.01354599	31.44511986	0.273696154	0.014978693	37.84156418	0.017138178	0.014711478	0.001987239	0.00411663	0.001857808	1.739424348	3.32594E-05	0.008262381	0.00142595	0.003347288	0.004565639
2091 Feb	0.003773042	0.091331355	1.45776E-05	38.02422333	31.45263672	0.273822993	0.015001033	37.852005	0.017136982	0.014730342	0.00198702	0.004116838	0.001858809	1.73958838	3.33389E-05	0.008262152	0.001426021	0.003347954	0.00456635
2091 Mar	0.003778836	0.091482736	1.46019E-05	38.09479523	31.5099659	0.274391234	0.015050075	37.91983414	0.017162446	0.014775543	0.001989914	0.004123403	0.001862829	1.742439866	3.34823E-05	0.008274608	0.00142834	0.003354018	0.004574193
2091 Apr	0.003803549	0.092091143	1.46993E-05	38.35651398	31.72537994	0.276337862	0.015175479	38.17759705	0.017273832	0.014895584	0.002002768	0.004150621	0.00187622	1.754018784	3.37969E-05	0.008328485	0.001437807	0.003376914	0.004604968
2091 May	0.00383292	0.095018387	1.48776E-05	38.57997894	31.93653297	0.279148847	0.015307627	38.46681213	0.017364064	0.015132969	0.002021474	0.00417206	0.00188878	1.764242172	3.41928E-05	0.008365268	0.001458619	0.003412471	0.004627381
2091 Jun	0.003558401	0.099039726	1.41594E-05	35.34165955	29.39395142	0.261002332	0.014095366	35.54186249	0.015912505	0.014543902	0.001890912	0.003817867	0.001734489	1.618507504	3.17618E-05	0.007626336	0.001401395	0.003224583	0.004222077
2091 Jul	0.003842805	0.102474116	1.4903E-05	38.37292862	31.90389633	0.282101899	0.015378468	38.17939758	0.017310295	0.015503534	0.002048585	0.004146575	0.001885643	1.754717112	3.46527E-05	0.008294083	0.001501678	0.003460703	0.004595411
2091 Aug	0.00400019	0.099593297	1.4976E-05	40.00331879	33.24650574	0.290614814	0.015651649	39.37514877	0.018209834	0.015321166	0.002140964	0.00434552	0.001955611	1.83415103	3.45009E-05	0.008727447	0.001536613	0.003538453	0.004819488
2091 Sep	0.003993347	0.097063527	1.50008E-05	40.11594772	33.28003693	0.290219903	0.015709227	39.57632065	0.018209711	0.015240837	0.00213003	0.004353803	0.001960434	1.838235736	3.46434E-05	0.008748242	0.001521255	0.003519412	0.004833599
2091 Oct	0.00388458	0.094126768	1.47965E-05	39.11271286	32.3936882	0.282336563	0.015331694	38.83657455	0.017681623	0.014917641	0.002060626	0.004239435	0.001910417	1.791710973	3.38745E-05	0.008516503	0.001473262	0.003421272	0.004707946
2091 Nov	0.003794566	0.092372894	1.46027E-05	38.18935394	31.60847664	0.275414348	0.014970268	38.07401276	0.017232202	0.014662738	0.002004347	0.004136376	0.001864541	1.749454618	3.31031E-05	0.008308432	0.001435452	0.003343189	0.004593455
2091 Dec	0.003794813	0.092349477	1.46183E-05	38.20000458	31.61297798	0.275442898	0.014971633	38.10492706	0.01723206	0.014664399	0.002003871	0.004137341	0.001864888	1.749965906	3.31051E-05	0.008310219	0.001435219	0.003343172	0.004594473
2092 Jan	0.003796369	0.092332758	1.46333E-05	38.22596359	31.63056374	0.275588781	0.014977813	38.14661026	0.017239831	0.014665477	0.00200446	0.004140123	0.001865976	1.751194	3.3115E-05	0.008315699	0.001435651	0.003344154	0.004597484
2092 Feb	0.003797444	0.092355996	1.46397E-05	38.24064636	31.64180756	0.275699109	0.014985962	38.16454315	0.017244624	0.014672154	0.002004954	0.004141537	0.001866741	1.751819968	3.31376E-05	0.008318394	0.001436078	0.003345155	0.004599118
2092 Mar	0.003804746	0.092541642	1.46687E-05	38.31878281	31.70611	0.276287973	0.01502491	38.24166489	0.017277382	0.0147093 1	0.002008747	0.004149576	0.001870779	1.755252838	3.32374E-05	0.008334254	0.001438905	0.003351949	0.004608262
2092 Apr	0.0038255	0.093053855	1.47498E-05	38.5350647	31.88446999	0.277884036	0.015122564	38.45592499	0.017371103	0.014803228	0.002019611	0.004172349	0.001881685	1.764931798	3.34744E-05	0.008379557	0.001446834	0.003370794	0.00463389
2092 May	0.003852554	0.095787771	1.49451E-05	38.74601364	32.07338333	0.280363947	0.015160007	38.81716919	0.017457997	0.014926254	0.002038145	0.004195906	0.001890979	1.776105285	3.35283E-05	0.00842209	0.001467172	0.003398755	0.00465648
2092 Jun	0.003365097	0.094603471	1.3487E-05	33.32046509	27.70602798	0.245819911	0.012879662	33.83294296	0.015052173	0.01331756	0.001796191	0.003615972	0.001623964	1.533659577	2.84283E-05	0.007230284	0.001332263	0.003027931	0.003992598
2092 Jul	0.003473619	0.092572495	1.35491E-05	34.58054733	28.73608017	0.253231347	0.013388999	34.66310883	0.015677147	0.013497371	0.00185846	0.003758535	0.001686304	1.589559078	2.9473E-05	0.007526764	0.001361234	0.003112266	0.004157821
2092 Aug	0.003741955	0.094263859	1.41849E-05	37.40238571	31.05929375	0.271606028	0.014316158	37.16413116	0.017036214	0.014034447	0.002008965	0.004076446	0.001819431	1.720716357	3.11189E-05	0.008185375	0.001448611	0.003308433	0.004515222
2092 Sep	0.003796873	0.093103275	1.4515E-05	38.24723434	31.66700554	0.276443243	0.014652052	38.2328949	0.017322734	0.01417785	0.002031119	0.004163189	0.001859257	1.758288145	3.18929E-05	0.008359879	0.001459297	0.003343731	0.004615273
2092 Oct	0.003784783	0.09152744	1.46211E-05	38.35602188	31.6837101	0.276565224	0.014768046	38.56233978	0.017270911	0.014203784	0.002016616	0.004167089	0.001865157	1.761322856	3.23006E-05	0.008364119	0.001448329	0.003328766	0.004623301
2092 Nov	0.003784301	0.091200307	1.46875E-05	38.41174316	31.70449638	0.276685268	0.014778163	38.72034454	0.017267624	0.014196579	0.002013655	0.004172055	0.001867051	1.76388824	3.2321E-05	0.008373302	0.001446337	0.003326463	0.004628767
2092 Dec	0.003786946	0.091237642	1.47037E-05	38.44931793	31.73296165	0.276957959	0.014800383	38.76520538	0.017279578	0.014214612	0.002014834	0.004175619	0.001869047	1.765457392	3.23839E-05	0.008380084	0.00144728	0.003329018	0.004632942
2093 Jan	0.003787395	0.09123335	1.47097E-05	38.46278763	31.74220848	0.277064949	0.014813276	38.78352737	0.017281473	0.014224294	0.002014906	0.004176605	0.001869882	1.765927196	3.24259E-05	0.008381717	0.001447439	0.003329665	0.004634247
2093 Feb	0.003787991	0.091251165	1.47145E-05	38.47881317	31.75427055	0.27722016	0.014834508	38.79968262	0.017283624	0.014242441	0.002015079	0.004177555	0.001871058	1.766392231	3.24977E-05	0.008383087	0.001447748	0.003330814	0.004635698
2093 Mar	0.003798953	0.091507383	1.4761E-05	38.60307693	31.85493088	0.278153151	0.014899178	38.92673111	0.01733317	0.01430114	0.002020719	0.00419014	0.001877533	1.771789312	3.26677E-05	0.00840772	0.001451991	0.003341121	0.004650113
2093 Apr	0.00382108	0.092045188	1.48488E-05	38.83833313	32.04805374	0.279894531	0.015007271	39.16233063	0.017433491	0.014402695	0.00203235	0.004214793	0.001889437	1.782277107	3.29334E-05	0.008456599	0.001460536	0.003361323	0.004677929
2093 May	0.00384872	0.094783142	1.50467E-05	39.08430481	32.26553345	0.28279525	0.015146062	39.52239609	0.01751826	0.014626577	0.002049749	0.004238055	0.001902837	1.79348135	3.33492E-05	0.008496299	0.001480554	0.003394329	0.004702478
2093 Jun	0.003515105	0.097035483	1.41223E-05	35.28042984	29.24904442	0.260467291	0.013836995	35.96727753	0.015789701	0.013969137	0.001882494	0.00381721	0.001724178	1.619401455	3.08989E-05	0.007620648	0.001397225	0.003164503	0.004225227
2093 Jul	0.003724225	0.098921068	1.46233E-05	37.49798203	31.08568954	0.275510907	0.014739233	37.83798981	0.016833572	0.014605479	0.001998585	0.004060409	0.001833834	1.719456553	3.28598E-05	0.008117702	0.001467837	0.003334658	0.004502171
2093 Aug	0.003934829	0.10023573	1.51364E-05	39.75960922	32.94177628	0.290438324	0.015577114	39.83398438	0.017894637	0.015126719	0.002115178	0.004310289	0.001943055	1.822850823	3.45464E-05	0.008632619	0.001535446	0.003492177	0.004786092
2093 Sep	0.003972212	0.098813727	1.52511E-05	40.26320267	33.3149147	0.292825878	0.015724083	40.36764526	0.018104624	0.015132904	0.00213093	0.004365637	0.001965426	1.846045852	3.47673E-05	0.008750466	0.001539099	0.003507572	0.004850606
2093 Oct	0.003780654	0.093370698	1.46809E-05	38.34994125	31.68782997	0.277936697	0.01499719	38.62495422	0.01719261	0.014509922	0.00201288	0.004152566	0.001871083	1.7576648	3.32037E-05	0.008325918	0.00145282	0.003331128	0.004617122
2093 Nov	0.003722443	0.091915935	1.45555E-05	37.76652908	31.18612671	0.273386985	0.014791844	38.13692093	0.016901286	0.014368718	0.001974286	0.004085917	0.001842536	1.730461478	3.27979E-05	0.008192159	0.001425727	0.00327901	0.004544362
2093 Dec	0.003725364	0.091953598	1.4574E-05	37.80419922	31.21446037	0.273636609	0.014807189	38.18523788	0.01691461	0.014380885	0.001975588	0.004089801	0.001844339	1.732155204	3.28347E-05	0.008199781	0.001426702	0.00328149	0.004548715
2094 Jan	0.00372648	0.09195666	1.45836E-05	37.82369995	31.22830963	0.273770779	0.014818012	38.21249008	0.016919762	0.014388356	0.001976004	0.004091627	0.001845339	1.732975841	3.28654E-05	0.008203214	0.001427072	0.0032825	0.004550843
2094 Feb	0.003726837	0.091969438	1.45873E-05	37.83520126	31.23682022	0.273884535	0.014833831	38.2247467	0.016920922	0.014401777	0.001976075	0.004092268	0.001846195	1.733299255	3.29193E-05	0.008204079	0.00142728	0.003283278	0.004551852
2094 Mar	0.003731921	0.092105649	1.46089E-05	37.89801407	31.28775215	0.274394631	0.01487813	38.28573608	0.016943205	0.014442363	0.001978624	0.004098068	0.001849789	1.735827088	3.30496E-05	0.008215043	0.001429347	0.003288613	0.00455882
2094 Apr	0.003746538	0.092475586	1.46678E-05	38.05751419	31.41851807	0.275603414	0.014960191	38.44423676	0.017008811	0.014519601	0.001986232	0.004114337	0.001858098	1.742786169	3.32634E-05	0.008247	0.001435057	0.003302345	0.004577429
2094 May	0.003709509	0.094849184	1.46807E-05	37.62876892	31.0841713	0.274239242	0.014846143	38.21137619	0.016775044	0.01455271	0.001970725	0.004063045	0.001838971	1.723265648	3.31651E-05	0.008133064	0.001435922	0.003283375	0.004517807
2094 Jun	0.003603478	0.099231832	1.4553E-05	36.38243484	30.11694145	0.268938333	0.014498016	37.2491684	0.016158054	0.014554852	0.001923492	0.00391927	0.001783086	1.665941954	3.27464E-05	0.007820736	0.001427815	0.003228656	0.00435241

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.003929275	0.102498487	1.53524E-05	39.84158707	32.97945023	0.292567283	0.015868729	40.24872971	0.017778322	0.015508271	0.002105668	0.004298786	0.001952999	1.822887778	3.56726E-05	0.008597112	0.00153976	0.003487119	0.004784041
2094 Aug	0.004228025	0.10710571	1.63852E-05	43.08578873	35.62097931	0.315196931	0.017185308	43.43030167	0.019204816	0.016546385	0.002265972	0.004647831	0.002112209	1.969822407	3.86258E-05	0.009301343	0.001646252	0.003734428	0.005178486
2094 Sep	0.004252221	0.105342358	1.64855E-05	43.45799255	35.87775803	0.316488236	0.017265499	43.87497711	0.019349705	0.016501738	0.00227292	0.004689089	0.002127539	1.987220526	3.86818E-05	0.009390866	0.001643913	0.003738297	0.005226906
2094 Oct	0.004153728	0.100933589	1.61706E-05	42.56635666	35.08652496	0.308635235	0.016873673	43.09580231	0.018914253	0.016059741	0.002210729	0.004591467	0.002081536	1.946387172	3.77389E-05	0.009200626	0.001593575	0.00363694	0.005120966
2094 Nov	0.004027097	0.097689688	1.58933E-05	41.29812622	33.99294662	0.298628062	0.016327683	42.06951523	0.018299097	0.015620637	0.002130834	0.004452049	0.002016925	1.888933897	3.64873E-05	0.008921469	0.001537354	0.003522555	0.004965057
2094 Dec	0.004019478	0.097498327	1.58845E-05	41.23228073	33.93339539	0.298120409	0.016309092	42.0624512	0.01826114	0.015606644	0.002125759	0.004444149	0.002013786	1.885765791	3.64621E-05	0.008905122	0.001534005	0.003516216	0.004956449
2095 Jan	0.004020981	0.097496279	1.58982E-05	41.25930023	33.95235825	0.298301727	0.016323388	42.06484222	0.018268202	0.01561598	0.002126308	0.004446705	0.002015147	1.886912346	3.6502E-05	0.008909938	0.001534486	0.003517544	0.00495941
2095 Feb	0.004021336	0.097514056	1.59018E-05	41.27214432	33.96198654	0.298436314	0.016343033	42.07757187	0.01826917	0.015632968	0.002126361	0.004447331	0.00201616	1.88724041	3.65697E-05	0.008910669	0.001534724	0.003518473	0.004960488
2095 Mar	0.004024623	0.097598374	1.59173E-05	41.31734467	33.99795532	0.298810631	0.016378762	42.12283707	0.018283436	0.015664706	0.002127939	0.004451281	0.002018841	1.888987064	3.66786E-05	0.008917952	0.001536075	0.003522109	0.004965363
2095 Apr	0.004044816	0.098082997	1.59973E-05	41.5392952	34.17956924	0.300481379	0.016491935	42.34337234	0.018374721	0.015768899	0.002138477	0.004473954	0.00203037	1.898682356	3.69718E-05	0.008962598	0.001543884	0.003540771	0.004991353
2095 May	0.003991699	0.100920886	1.58933E-05	40.88248062	33.69061661	0.298175603	0.016397476	41.74961853	0.018050786	0.015879173	0.002115816	0.00439439	0.002003698	1.867162943	3.70764E-05	0.008789496	0.001541613	0.003516253	0.004902278
2095 Jun	0.003937377	0.10604617	1.58731E-05	40.15535355	33.16857147	0.296664923	0.016375529	41.1316185	0.017673882	0.016187839	0.002094376	0.004302467	0.001976783	1.831368208	3.75399E-05	0.008582221	0.001549283	0.003509123	0.004798705
2095 Jul	0.004271555	0.109975345	1.66987E-05	43.59856796	36.03364563	0.320120066	0.01764451	44.12470627	0.019322522	0.01709082	0.002281763	0.004684829	0.002143475	1.989495993	4.0086E-05	0.009367832	0.001664429	0.003770135	0.005231287
2095 Aug	0.004319575	0.107608356	1.6658E-05	44.13721848	36.46525955	0.322291106	0.017742814	44.44324875	0.019625559	0.01696902	0.00230812	0.004750562	0.002166719	2.015115261	4.00452E-05	0.009514852	0.001666807	0.003786467	0.005308572
2095 Sep	0.004352385	0.10626965	1.67965E-05	44.66513443	36.85261536	0.325281322	0.01803354	44.99058533	0.019808384	0.017107859	0.002320425	0.004801766	0.002194039	2.037044048	4.08118E-05	0.00961896	0.001669529	0.003808195	0.005371655
2095 Oct	0.00436766	0.105039686	1.68762E-05	45.03817368	37.11209869	0.327535629	0.018304067	45.40832901	0.019902587	0.017238928	0.002324754	0.004834399	0.002214862	2.051290989	4.16096E-05	0.009682076	0.001669933	0.00381794	0.005413769
2095 Nov	0.004308393	0.103213146	1.67454E-05	44.52257538	36.65451431	0.323533356	0.018183062	44.98545074	0.019617204	0.017131275	0.002286082	0.004772342	0.002191131	2.026000738	4.14861E-05	0.009555118	0.001642808	0.003767215	0.005347609
2095 Dec	0.004302172	0.103058137	1.67444E-05	44.47105026	36.60639191	0.323123753	0.018171217	44.95851517	0.019584915	0.01712548	0.002281564	0.004765893	0.002188706	2.023467541	4.14779E-05	0.009541648	0.001639901	0.003762177	0.005340648
2096 Jan	0.004303312	0.103048794	1.67575E-05	44.49765015	36.62462234	0.323315114	0.018190445	44.99665833	0.0195901	0.017138941	0.002281865	0.004768138	0.002190181	2.024503231	4.15372E-05	0.009545654	0.001640269	0.003763419	0.005343395
2096 Feb	0.004305292	0.103102677	1.67674E-05	44.5241127	36.64562225	0.32353133	0.018209435	45.02464676	0.019598691	0.017155766	0.002282815	0.004770527	0.002191694	2.025561094	4.15938E-05	0.009550112	0.001641094	0.003765488	0.005346284
2096 Mar	0.00430906	0.103204735	1.67834E-05	44.5716362	36.68409729	0.323921561	0.018244123	45.07076645	0.019615158	0.017187262	0.002284698	0.004774849	0.002194444	2.027453661	4.16968E-05	0.009558243	0.001642638	0.003769458	0.005351527
2096 Apr	0.004329134	0.10369537	1.68631E-05	44.78934097	36.86248779	0.325553656	0.018350901	45.28850937	0.019705815	0.017286336	0.002295211	0.004797284	0.002205639	2.037042618	4.19684E-05	0.00960255	0.001650398	0.003787803	0.005377136
2096 May	0.004348515	0.105529703	1.71031E-05	45.03120804	37.04142761	0.327858448	0.018424887	45.7751503	0.019763948	0.017401665	0.002305939	0.004821473	0.002216491	2.048811197	4.21595E-05	0.009644439	0.001664736	0.003809358	0.005401411
2096 Jun	0.003804268	0.101030029	1.56625E-05	39.08982849	32.18180084	0.287617892	0.015920106	40.35147858	0.017103747	0.015657213	0.002015637	0.004188143	0.001922401	1.781773567	3.65615E-05	0.008341674	0.001495384	0.003417616	0.004671727
2096 Jul	0.003969405	0.101986878	1.6037E-05	40.89992142	33.67634201	0.299889565	0.016743176	41.80372238	0.017942848	0.016238941	0.002106708	0.004384194	0.002014334	1.861652613	3.84874E-05	0.008738985	0.0015512	0.003562275	0.004897844
2096 Aug	0.004213516	0.105604053	1.68395E-05	43.5490036	35.84228134	0.3184641	0.017868029	44.3260498	0.019112097	0.017127072	0.002237888	0.00466753	0.002145893	1.980763197	4.10736E-05	0.009310895	0.001637483	0.003765681	0.005220654
2096 Sep	0.00419677	0.102572508	1.66741E-05	43.40034103	35.69676208	0.315772891	0.017676659	44.11863327	0.019081563	0.016826604	0.002224959	0.004657302	0.002134413	1.975583434	4.03842E-05	0.009303544	0.001617127	0.003726691	0.005211384
2096 Oct	0.004032521	0.097636409	1.61578E-05	41.72387695	34.27640915	0.302485704	0.016997764	42.5619812	0.018303281	0.016241668	0.002123176	0.004472942	0.002050629	1.898852468	3.88412E-05	0.008939339	0.001540928	0.00357112	0.005008472
2096 Nov	0.004011397	0.097237736	1.61318E-05	41.50268936	34.0859108	0.30076772	0.01692423	42.39056396	0.018190155	0.016211463	0.002107939	0.004447168	0.002039858	1.888499022	3.87067E-05	0.008887376	0.001530705	0.003552922	0.004980258
2096 Dec	0.004012558	0.097232655	1.61439E-05	41.52942657	34.10465622	0.300969481	0.016946701	42.42589569	0.018195266	0.016228495	0.002108258	0.004449303	0.002041437	1.889487028	3.87778E-05	0.008891111	0.001531079	0.003554343	0.004982972
2097 Jan	0.004012787	0.097225979	1.6149E-05	41.54151917	34.1127739	0.301073521	0.01696117	42.44217682	0.01819605	0.016239611	0.002108205	0.004450038	0.002042263	1.889856935	3.88267E-05	0.008892174	0.001531172	0.003554898	0.004984053
2097 Feb	0.004012462	0.097227834	1.61496E-05	41.54800415	34.11723328	0.301167399	0.016980208	42.44733047	0.018193884	0.016255943	0.0021079	0.004449896	0.002043021	1.889860511	3.88959E-05	0.008891317	0.001531156	0.003555321	0.004984324
2097 Mar	0.004015443	0.097311094	1.61634E-05	41.59054565	34.15127945	0.301533699	0.017018061	42.48786926	0.018206576	0.01629	0.002109315	0.004453424	0.002045665	1.891431928	3.90143E-05	0.008897674	0.001532418	0.003558866	0.004988816
2097 Apr	0.004039703	0.09790916	1.62629E-05	41.85497665	34.36738205	0.303514451	0.017149158	42.75465012	0.018315692	0.016421968	0.002121892	0.00448059	0.002059289	1.903049827	3.93503E-05	0.008951177	0.001541806	0.00358138	0.005019853
2097 May	0.00407487	0.100886792	1.64704E-05	42.16841507	34.64831543	0.307030678	0.017364362	43.12784576	0.018431418	0.016723089	0.002142771	0.00450934	0.002077479	1.916494608	4.00074E-05	0.009001209	0.001564401	0.003624093	0.005051851
2097 Jun	0.00386781	0.104380265	1.59228E-05	39.71048355	32.7334404	0.293677419	0.016585724	40.80280685	0.017320059	0.016464408	0.002042259	0.004235046	0.001964519	1.803466916	3.8696E-05	0.008425245	0.001521855	0.003495712	0.004738858
2097 Jul	0.004125803	0.108192921	1.67111E-05	42.50016403	35.02838898	0.313424855	0.017837498	43.34291077	0.0185603	0.017464787	0.002181994	0.004532198	0.002105235	1.92767477	4.16614E-05	0.009023665	0.001613791	0.003716462	0.005079484
2097 Aug	0.004323141	0.109594136	1.7182E-05	44.6137619	36.76971436	0.327559471	0.018662494	45.17347717	0.019550195	0.01800262	0.002291265	0.004764019	0.002208583	2.023632288	4.33938E-05	0.009500546	0.001677602	0.003866599	0.005345262
2097 Sep	0.004403211	0.110088922	1.74685E-05	45.6003418	37.55280685	0.334393829	0.019177636	46.13954926	0.019940007	0.018379631	0.002331465	0.004863699	0.002259803	2.066039085	4.47274E-05	0.009699416	0.001703006	0.003933403	0.005462679
2097 Oct	0.004345143	0.108095579	1.73037E-05	45.1013031	37.11343002	0.330530226	0.019083718	45.68696594	0.019665934	0.018279562	0.002294105	0.004802823	0.00223755	2.041127205	4.46852E-05	0.009575653	0.001675678	0.003882029	0.005398901
2097 Nov	0.004303932	0.107045777	1.71916E-05	44.68733978	36.7613678	0.327354044	0.01892289	45.32120895	0.019467762	0.018147634	0.002268846	0.004756867	0.002217053	2.022092581	4.43376E-05	0.009483548	0.001657749	0.003845198	0.00534791
2097 Dec	0.004295506	0.106835566	1.71718E-05	44.60409164	36.68974686	0.326709419	0.01888727	45.25318909	0.019427372	0.018117415	0.002263719	0.004747737	0.00221283	2.01831913	4.42565E-05	0.009465194	0.00165417	0.00383766	0.005337642
2098 Jan	0.004296524	0.106833272	1.71818E-05	44.62205124	36.70211792	0.326823503	0.018894849	45.28071594	0.019432157	0.018121798	0.002264071	0.004749506	0.002213676	2.019114256	4.42759E-05	0.009468576	0.001654482	0.003838455	0.005339641
2098 Feb	0.004296892	0.106853142	1.71849E-05	44.6321106	36.70977402	0.326927662	0.018908909	45.29106522	0.01943329	0.018134138	0.002264168	0.00475006	0.002214433	2.019396782	4.43238E-05	0.009469314	0.001654714	0.003839199	0.005340519
2098 Mar	0.004298791	0.106913589	1.71941E-05	44.66228485	36.73382187	0.327202231	0.018940115	45.31919098	0.019441072	0.018162183	0.002265031	0.004752343	0.002216427	2.02043581	4.44246E-05	0.009473233	0.001655571	0.003841716	0.005343573
2098 Apr	0.004311586	0.107448943	1.72482E-05	44.79400253	36.84477615	0.328324288	0.019010901	45.45650864	0.019494537	0.01823693	0.002271626	0.004765491	0.002223362	2.026216269	4.46149E-05	0.009498683	0.001661452	0.003853752	0.005358609
2098 May	0.00422456	0.111702994	1.70316E-05	43.58642578	35.9454155	0.322804809	0.018547503	44.37622833	0.018979684	0.018123677	0.002234655	0.004633558	0.002166076	1.973093271	4.3676E-05	0.009222004	0.001655017	0.003797687	0.005204543
2098 Jun	0.003722847	0.110356271	1.53272E-05	37.83816528	31.3753109	0.286250174	0.016237834	38.75295258	0.016496794	0.016554233	0.001985221	0.004016568	0.001886964	1.714568019	3.8596E-05	0.007962556	0.001509537	0.003410981	0.004499411
2098 Jul	0.004031858	0.114362173	1.61209E-05	41.07543564	34.06744766	0.308796853	0.017558334	41.55606079	0.018012308	0.017546065	0.002157782	0.004370282	0.002047199	1.86105001	4.14878E-05	0.008683196	0.001619137	0.003664474	0.004903165
2098 Aug	0.004129401	0.113221981	1.63228E-05	42.13122177	34.91556168	0.314602405	0.017827785	42.47225189	0.018537212	0.017595036	0.002209347	0.004492358	0.002094571	1.910926938	4.17869E-05	0.008943151	0.00164061	0.003723521	0.005042698
2098 Sep	0.004013076	0.106657811	1.58217E-05	40.95965195	33.90089417	0.30342707	0.017114179	41.30654907	0.018062139	0.016785603	0.002137984	0.004375989	0.002029257	1.860615134	3.97437E-05	0.008728825	0.001573947	0.003588886	0.004913272
2098 Oct	0.00389136	0.101100169	1.54102E-05	39.79690933	32.88111115	0.293020695	0.016545525	40.25610352	0.0175249	0.016179765	0.002060784	0.004252224	0.001967846	1.808438301	3.82838E-05	0.008490655	0.001510128	0.003460807	0.004777045
2098 Nov	0.003843731	0.099313416	1.52619E-05	39.35756302	32.49829865	0.289419442	0.016400859	39.8503418	0.017305039	0.016033588	0.00203048	0.004202039	0.001946625	1.787581563	3.80053E-05	0.008390853	0.001486901	0.003415991	0.004723051
2098 Dec	0.003846306	0.099342033	1.52797E-05	39.39363861	32.52503586	0.289663374	0.016418217	39.89731216	0.01731668	0.016047273	0.002031564	0.004205607	0.001948419	1.789154053	3.8051E-05	0.008397748	0.00148775	0.003418279	0.004727138
2099 Jan	0.003847187	0.09934435	1.52887E-05	39.41515732	32.54030609	0.289836645	0.016438441	39.92470169	0.017320439	0.016062995	0.002031804	0.00420723	0.001949751	1.78991437	3.81163E-05	0.008400493	0.001488081	0.003419476	0.00472927
2099 Feb	0.003848004	0.099358574	1.52957E-05	39.43434525	32.55441284	0.290004641	0.01645893	39.94676208	0.017323762	0.016079769	0.002032067	0.004208584	0.001951016	1.790554285	3.81837E-05	0.0084027	0.001488445	0.0034207	0.004731127
2099 Mar	0.003855462	0.099559933	1.5327E-05	39.52053833	32.62473679	0.290684819	0.016511565	40.03209686	0.017356658	0.016128916	0.002035876	0.004216942	0.001955728	1.794171214	3.83312E-05	0.008418812	0.001491433	0.003428065	0.004740961
2099 Apr	0.00388666	0.10074015	1.54572E-05	39.83716202	32.89037323	0.293273062	0.016664838	40.36253738	0.017489634	0.016290113	0.002052088	0.004249429	0.001971944	1.808322906	3.87228E-05	0.00848247	0.00150515	0.003456599	0.004777786
2099 May	0.003659517	0.1084769	1.48194E-05	36.89453888	30.65544128	0.278778076	0.015496882	37.76683044	0.016210461	0.015805459	0.00194266	0.003927718	0.001829566	1.678853631	3.62645E-05	0.007814419	0.001474199	0.003285064	0.00440426
2099 Jun	0.003519468	0.107895739	1.43426E-05	35.34452438	29.41818237	0.269034415	0.014914471	36.23053741	0.015529327	0.015398346	0.001875281	0.003760514	0.001755613	1.608288765	3.50552E-05	0.007469708	0.001435522	0.003184312	0.004213528
2099 Jul	0.003828488	0.110253379	1.50245E-05	38.58649826	32.1075058	0.290674031	0.016104167	38.97261047	0.017089522	0.016156072	0.002049851	0.004121947	0.001912412	1.756874919	3.74099E-05	0.008214811	0.001538899	0.003420833	0.004625978
2099 Aug	0.00404283	0.113110721	1.57143E-05	40.85064697	33.96253204	0.306103438	0.016966131	41.12252045	0.018122137	0.016818877	0.00216446	0.004368805	0.002022141	1.860381961	3.92296E-05	0.00871832	0.001611388	0.003592324	0.004906629
2099 Sep	0.003991512	0.108841121	1.54797E-05	40.42006302	33.56335449	0.301186949	0.016714497	40.6664238	0.017936366	0.016446991	0.002130884	0.004325147	0.001998107	1.84111917	3.85013E-05	0.00864106	0.001575628	0.003529812	0.004860922
2099 Oct	0.003919961	0.1049942	1.5223E-05	39.80700684	33.01173401	0.295505166	0.016493505	40.07729721	0.017629296	0.016161898	0.002084678	0.004256126	0.00196773	1.811923981	3.80233E-05	0.008506995	0.00153607	0.003456883	0.004787921
2099 Nov	0.003868629	0.102703452	1.50542E-05	39.44019699	32.67584229	0.29262656	0.016519906	39.7073288	0.017399166	0.016130956	0.002051866	0.004206927	0.001953884	1.791669846	3.83502E-05	0.008405005	0.001510943	0.003413966	0.004739156
2099 Dec	0.003871961	0.102657743	1.50632E-05	39.51739883	32.73532486	0.293299496	0.016612113	39.76877594	0.017415876	0.016201023	0.002053315	0.00421224	0.001959314	1.794055223	3.86524E-05	0.008413957	0.001512107	0.003418738	0.004746975
2100 Jan	0.003872523	0.102630265	1.50744E-05	39.54292679	32.75224304	0.293501675	0.016638946	39.8041726	0.017418312	0.01622051	0.002053264	0.004213976	0.001960955	1.794895768	3.87414E-05	0.008416689	0.001512274	0.003419831	0.004749372
2100 Feb	0.003872551	0.102627866	1.50785E-05	39.55745697	32.76230621	0.293653935	0.016664177	39.82002258	0.017417807	0.016241226	0.002053068	0.004214508	0.001962173	1.795205474	3.88299E-05	0.008417033	0.001512369	0.003420667	0.004750478
2100 Mar	0.003873734	0.102668576	1.50847E-05	39.57962799	32.77980042	0.293866217	0.016690893	39.840168	0.017422415	0.016265001	0.002053563	0.004215994	0.001963739	1.795901537	3.89185E-05	0.008419404	0.001512938	0.003422485	0.004752611
2100 Apr	0.003899937	0.103370756	1.51883E-05	39.85823441	33.00960922	0.295984954	0.016827092	40.11798859	0.017539559	0.016395196	0.002067316	0.004244732	0.001978066	1.808208466	3.92643E-05	0.008476158	0.001523277	0.003446467	0.004785503
2100 May	0.003868282	0.10727299	1.52657E-05	39.35214996	32.63305664	0.294389844	0.016549889	39.88522339	0.017308103	0.01636338	0.002058164	0.004191482	0.001951892	1.787987113	3.86139E-05	0.008358744	0.001532043	0.003433529	0.004717733
2100 Jun	0.003462249	0.105832733	1.39938E-05	34.71034622	28.91652298	0.264200658	0.014582745	35.44779968	0.015304498	0.015024158	0.001854598	0.003698709	0.001723453	1.580610752	3.4153E-05	0.007350878	0.001413716	0.003130054	0.004148291
2100 Jul	0.003598331	0.104375586	1.41793E-05	36.19861984	30.13148117	0.272843629	0.015033776	36.5886879	0.016057294	0.015150321	0.001932275	0.003871955	0.001792753	1.649607182	3.4835E-05	0.007713954	0.001451741	0.00322783	0.00434609
2100 Aug	0.003652291	0.101671919	1.41593E-05	36.78691864	30.6002636	0.274997979	0.015109022	36.95352936	0.016395042	0.01499825	0.001960927	0.003945038	0.001817204	1.678120136	3.4667E-05	0.007878449	0.001453567	0.003246621	0.004431713
2100 Sep	0.003683095	0.099831134	1.42474E-05	37.28552246	30.96629524	0.27754733	0.015375733	37.41889954	0.016579224	0.015095107	0.001972529	0.003994344	0.001842839	1.698809743	3.53447E-05	0.00798105	0.001453454	0.003263854	0.004493439
2100 Oct	0.003707868	0.098952539	1.4336E-05	37.71298218	31.28280449	0.280239403	0.015664501	37.84426117	0.016714498	0.015263011	0.00198243	0.004033697	0.001866436	1.715688229	3.61686E-05	0.008058704	0.001457414	0.003282223	0.004543183
2100 Nov	0.003715651	0.098980576	1.43729E-05	37.82370377	31.36792374	0.281028062	0.015740395	37.95944595	0.016750529	0.01532385	0.001985696	0.004043814	0.001872616	1.720114708	3.63891E-05	0.008078206	0.001459656	0.003289419	0.004555678
2100 Dec	0.00371961	0.099037595	1.43977E-05	37.88347244	31.41308594	0.281476706	0.015780391	38.02980042	0.016768288	0.015356374	0.001987431	0.004049257	0.001875919	1.722528934	3.65069E-05	0.008088383	0.001461106	0.003293468	0.004562225
2101 Jan	0.003721602	0.099012211	1.44181E-05	37.9257431	31.44219589	0.281764716	0.015807157	38.08970642	0.016777834	0.015373838	0.001988064	0.004053036	0.001878166	1.724237442	3.65862E-05	0.008095333	0.001461696	0.003295421	0.00456675
2101 Feb	0.003722219	0.0989957	1.44278E-05	37.94949341	31.45836258	0.281958938	0.015832677	38.12097168	0.016780466	0.015392878	0.001988099	0.004054648	0.001879716	1.725013852	3.66709E-05	0.008097871	0.001461917	0.003296549	0.00456899
2101 Mar	0.003723214	0.09902665	1.44333E-05	37.967659	31.47259712	0.282127708	0.015853195	38.13819122	0.016784456	0.015410957	0.001988521	0.004055927	0.00188096	1.725606799	3.67383E-05	0.008099972	0.00146238	0.003297998	0.004570771
2101 Apr	0.00373808	0.099429868	1.44924E-05	38.13019562	31.60637283	0.283385754	0.01593947	38.29917145	0.016850799	0.015492151	0.001996321	0.004072358	0.001889506	1.732665062	3.69664E-05	0.008132163	0.001468332	0.003311946	0.00458978
2101 May	0.003690212	0.103548408	1.44279E-05	37.39041138	31.07204819	0.280690819	0.01567772	37.67361832	0.016532591	0.015523897	0.001979364	0.003990453	0.001855423	1.700176597	3.64968E-05	0.007956314	0.001472462	0.003290742	0.004492483

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.003465485	0.104112931	1.37639E-05	34.77536392	28.99357605	0.264383078	0.014607097	35.2052536	0.01539585	0.014873368	0.001868072	0.003710802	0.001727965	1.583122492	3.41448E-05	0.007380427	0.001412945	0.003129928	0.00416858
2101 Jul	0.003729802	0.107925318	1.45152E-05	37.6580658	31.37327003	0.285049349	0.015945848	37.77287292	0.016676147	0.015918277	0.002013572	0.00401627	0.001874802	1.710752368	3.73678E-05	0.007995225	0.00150892	0.003355432	0.004522036
2101 Aug	0.00397752	0.111345321	1.52375E-05	40.29631424	33.54784393	0.303454638	0.017017253	40.19423676	0.017877869	0.016727898	0.002149732	0.004302119	0.002004821	1.830272436	3.97312E-05	0.008576365	0.001596235	0.003555422	0.004849306
2101 Sep	0.003948237	0.108379066	1.51892E-05	40.13734055	33.36082077	0.300950259	0.016965577	40.10674667	0.017764859	0.016592948	0.002124618	0.004281686	0.001996257	1.821949959	3.96253E-05	0.008539655	0.001571207	0.003520093	0.004830608
2101 Oct	0.003941631	0.106620289	1.52218E-05	40.23003387	33.38648605	0.300790578	0.017046822	40.28845215	0.017750202	0.016586632	0.002114732	0.004287262	0.00200102	1.824742794	3.988E-05	0.008551218	0.001560777	0.003508004	0.004840448
2101 Nov	0.00385676	0.104104422	1.50226E-05	39.38117599	32.65192032	0.29387024	0.016668253	39.584198	0.01734435	0.016270077	0.002060846	0.004194911	0.00195739	1.786391854	3.89861E-05	0.008367459	0.001521535	0.003430376	0.004736289
2101 Dec	0.003847598	0.103942923	1.50108E-05	39.28001404	32.56562805	0.293072373	0.016624924	39.50504303	0.017295942	0.016247192	0.002054468	0.004183715	0.001952228	1.781828046	3.88878E-05	0.008345035	0.00151725	0.003422543	0.004723598
2102 Jan	0.003848223	0.103928804	1.50196E-05	39.29595947	32.57611847	0.293178499	0.016634922	39.53004074	0.01729887	0.016253432	0.00205458	0.004185108	0.001953062	1.782472134	3.89177E-05	0.008347556	0.001517414	0.003423144	0.004725264
2102 Feb	0.003848597	0.103950582	1.50226E-05	39.30636978	32.58412933	0.293289065	0.016650291	39.54008484	0.017299976	0.016267063	0.002054681	0.004185648	0.00195387	1.782750607	3.89704E-05	0.008348237	0.001517656	0.003423954	0.004726158
2102 Mar	0.003850462	0.104009807	1.50316E-05	39.33453369	32.60663605	0.293541133	0.016677516	39.56693268	0.017307712	0.016291566	0.002055551	0.004187869	0.001955679	1.783754945	3.90572E-05	0.008352132	0.00151849	0.003426288	0.004729067
2102 Apr	0.00386184	0.10432639	1.50776E-05	39.46153259	32.71098328	0.294539154	0.016749958	39.6921997	0.017358107	0.016359851	0.002061485	0.004200454	0.001962493	1.789181709	3.92548E-05	0.008376596	0.001523087	0.003437242	0.004743769
2102 May	0.003919578	0.105854169	1.53016E-05	40.0772934	33.2193985	0.29923147	0.017053245	40.30052185	0.017617479	0.016646532	0.002092104	0.004263959	0.001994252	1.816337347	4.00269E-05	0.008501982	0.001545963	0.003490205	0.004816694
2102 Jun	0.003555309	0.099046081	1.44599E-05	36.19746399	29.97641373	0.270142287	0.01538684	36.64342499	0.015893998	0.015491131	0.001880752	0.003858129	0.00180037	1.640366793	3.62564E-05	0.007664094	0.001416073	0.003265563	0.004342287
2102 Jul	0.003501252	0.097551674	1.43521E-05	35.63752365	29.50792122	0.265707523	0.015266052	35.95310211	0.015648501	0.015484427	0.001845642	0.003798529	0.001775934	1.612291813	3.61706E-05	0.007533987	0.00139622	0.003262056	0.004273952
2102 Aug	0.003694138	0.098359242	1.47307E-05	37.67896652	31.20157814	0.279153079	0.016045956	37.62171555	0.016632805	0.015952235	0.001953853	0.004024278	0.001875544	1.705206871	3.77498E-05	0.008002451	0.001456291	0.003403541	0.004535511
2102 Sep	0.003739333	0.097890191	1.48134E-05	38.20373154	31.62626839	0.282405466	0.016304458	38.03826141	0.01686693	0.016107095	0.001976206	0.004078622	0.001902484	1.727905631	3.83672E-05	0.008116242	0.001465802	0.0034336	0.004601785
2102 Oct	0.003582234	0.094091527	1.4351E-05	36.62096405	30.2899456	0.270534903	0.015730605	36.60018539	0.01610834	0.015639989	0.001881518	0.003901066	0.001825454	1.654540658	3.71871E-05	0.007760158	0.001398284	0.003292033	0.004404846
2102 Nov	0.003589736	0.094180398	1.44135E-05	36.72079086	30.36175346	0.271146834	0.015767371	36.74659729	0.016140157	0.015673177	0.001884105	0.003911226	0.001830035	1.659084201	3.72726E-05	0.007780086	0.001400351	0.003298121	0.004416232
2102 Dec	0.003593213	0.094197564	1.44377E-05	36.7689209	30.39688301	0.271447599	0.015783768	36.8124733	0.016156688	0.015683314	0.001885639	0.003916297	0.001832235	1.661293149	3.7308E-05	0.007790085	0.001401456	0.003300844	0.004421881
2103 Jan	0.003593456	0.094209082	1.44406E-05	36.77923584	30.40454292	0.27155602	0.01580039	36.8225174	0.01615723	0.015697772	0.001885644	0.003916757	0.001833071	1.661540627	3.73656E-05	0.007790566	0.001401615	0.003301591	0.004422724
2103 Feb	0.003594368	0.094245054	1.44458E-05	36.79824829	30.41950035	0.271745294	0.015825501	36.83943176	0.016160587	0.015720215	0.001885996	0.003917924	0.001834475	1.662099361	3.745E-05	0.007792305	0.001402087	0.003303177	0.004424488
2103 Mar	0.003596949	0.094321638	1.44576E-05	36.83440018	30.44857979	0.272058934	0.015857825	36.87343597	0.016171506	0.015749723	0.001887225	0.003920924	0.001836728	1.663433433	3.75513E-05	0.007797699	0.001403195	0.003306292	0.004428321
2103 Apr	0.003612063	0.094725862	1.45199E-05	37.00001907	30.58456802	0.273332685	0.015947655	37.03676605	0.016238742	0.015835989	0.001895018	0.003937618	0.001845486	1.670582056	3.77913E-05	0.00783027	0.001409196	0.003321006	0.004447668
2103 May	0.00362149	0.098186895	1.47362E-05	36.98162842	30.58395576	0.274438143	0.015795052	37.32402039	0.016223036	0.015833298	0.001905921	0.003939502	0.001840786	1.673390627	3.72985E-05	0.007828183	0.001427675	0.003332255	0.004441904
2103 Jun	0.003304718	0.098305382	1.37846E-05	33.31917572	27.65144539	0.251006693	0.014053976	34.04317474	0.014648319	0.014584092	0.001753597	0.003556604	0.001655257	1.513672233	3.30888E-05	0.007047511	0.001342632	0.003077671	0.00399312
2103 Jul	0.003479255	0.097644471	1.4009E-05	35.19434738	29.20704269	0.262786478	0.014764075	35.41718674	0.01558088	0.014930743	0.001853306	0.003767645	0.001746804	1.598576546	3.44853E-05	0.00748742	0.001393815	0.003206378	0.00423892
2103 Aug	0.003618147	0.095374182	1.40699E-05	36.60650253	30.37793159	0.270263821	0.015113843	36.35521698	0.016352916	0.014917638	0.001931608	0.003935061	0.00181069	1.66527319	3.47816E-05	0.007851806	0.001419901	0.003278906	0.004434652
2103 Sep	0.003618601	0.092869766	1.40143E-05	36.67781448	30.40252876	0.269268006	0.015051445	36.42240143	0.016392672	0.014742736	0.001926549	0.003945563	0.001810881	1.669408679	3.4458E-05	0.007883633	0.001406554	0.003256581	0.00444946
2103 Oct	0.003458006	0.089268751	1.36289E-05	35.05824661	29.02411842	0.257052392	0.014487068	35.0283699	0.015594323	0.014344737	0.00182472	0.003761356	0.001732257	1.593966246	3.33529E-05	0.007512501	0.001336109	0.003115524	0.004244915
2103 Nov	0.003423743	0.088413455	1.35555E-05	34.69882584	28.71625328	0.254175395	0.014327372	34.73625183	0.015423429	0.014228059	0.001802251	0.003721902	0.001713779	1.577807069	3.29761E-05	0.007434336	0.001320052	0.003083218	0.004200421
2103 Dec	0.003426375	0.088413335	1.35761E-05	34.73688126	28.7433033	0.2544007	0.014338393	34.79177094	0.015436055	0.014233657	0.001803344	0.003725961	0.001715451	1.579582334	3.29972E-05	0.007442361	0.001320828	0.003085147	0.004204896
2104 Jan	0.003426251	0.088418931	1.35776E-05	34.74390411	28.74827957	0.254490256	0.01435507	34.79807663	0.015434828	0.014248203	0.001803146	0.003726	0.001716164	1.579656124	3.3057E-05	0.007441956	0.001320861	0.003085633	0.0042053
2104 Feb	0.003426249	0.088433608	1.35793E-05	34.75496292	28.75655746	0.254628479	0.014379273	34.80673981	0.015433948	0.014269415	0.001803	0.003726192	0.001717239	1.579811215	3.3143E-05	0.007441667	0.001320997	0.003086495	0.004206027
2104 Mar	0.003428825	0.088511147	1.35912E-05	34.79281998	28.78690529	0.254962921	0.01441534	34.84202194	0.015444731	0.014302114	0.001804205	0.00372922	0.001719658	1.581168771	3.32575E-05	0.007447021	0.001322116	0.003089715	0.004209979
2104 Apr	0.003451744	0.089112483	1.36843E-05	35.04148483	28.99126244	0.256859928	0.014545988	35.08728027	0.015546957	0.014427278	0.001816064	0.003754481	0.001732692	1.591975927	3.36013E-05	0.007496535	0.001331103	0.003111574	0.004239225
2104 May	0.003404591	0.094368502	1.37243E-05	34.33960342	28.47961617	0.255030602	0.014323339	34.64528656	0.015206864	0.014532333	0.001800048	0.003673451	0.001700954	1.561116815	3.32956E-05	0.007317142	0.001340879	0.00309496	0.004141523
2104 Jun	0.003155616	0.094116122	1.2835E-05	31.51488686	26.24378967	0.237627879	0.01320695	31.87090492	0.013983144	0.013747064	0.001682172	0.003369993	0.001564685	1.43397069	3.08728E-05	0.006695236	0.001274746	0.002903787	0.00379255
2104 Jul	0.003371336	0.095364153	1.32843E-05	33.88513565	28.2039299	0.253838271	0.014282222	33.78902817	0.015077235	0.014470384	0.001802712	0.003624992	0.001684983	1.538805366	3.3374E-05	0.007215464	0.001346001	0.003078313	0.004091273
2104 Aug	0.003554565	0.095400907	1.36048E-05	35.80529022	29.7937088	0.265919924	0.014918475	35.3404541	0.016031627	0.014776574	0.001906094	0.003842427	0.001775976	1.627690554	3.44739E-05	0.007671383	0.00139984	0.003204534	0.004342385
2104 Sep	0.003520791	0.092724405	1.34889E-05	35.55624771	29.55231667	0.263096035	0.014836522	35.10679626	0.015896257	0.014622341	0.001881103	0.003812639	0.00176351	1.615406632	3.42979E-05	0.007616695	0.001375209	0.003164164	0.004313162
2104 Oct	0.003423038	0.089959696	1.32643E-05	34.62118149	28.7402401	0.255754888	0.01453994	34.32055283	0.015415435	0.014398538	0.001816667	0.003704117	0.001718552	1.571109295	3.37695E-05	0.007398251	0.001329355	0.003076508	0.004194187
2104 Nov	0.003399075	0.089434981	1.32239E-05	34.37057877	28.52481842	0.253776789	0.014439188	34.12297821	0.015292317	0.014336263	0.001800357	0.003675978	0.001705923	1.559666753	3.35496E-05	0.007341939	0.001318126	0.003055067	0.004162552
2104 Dec	0.003401873	0.089447051	1.32442E-05	34.41119766	28.5542984	0.254036307	0.014455331	34.17855453	0.015305517	0.014346849	0.00180155	0.003680138	0.001707841	1.561489701	3.35884E-05	0.007350054	0.001319013	0.003057352	0.00416725
2105 Jan	0.003402609	0.089433968	1.32532E-05	34.42870331	28.56606865	0.254155278	0.014466492	34.20477295	0.015309024	0.014353881	0.00180174	0.003681676	0.001708767	1.562194824	3.36218E-05	0.007352852	0.001319226	0.003058061	0.004169096
2105 Feb	0.003402898	0.089449905	1.32558E-05	34.43928909	28.57411194	0.254269332	0.014483615	34.21443176	0.015309766	0.01436886	0.001801788	0.003682156	0.00170963	1.562449336	3.3681E-05	0.007353364	0.001319426	0.003058873	0.00416997
2105 Mar	0.003403526	0.089475758	1.326E-05	34.45669174	28.58758163	0.254449874	0.01450989	34.22945404	0.01531184	0.014391995	0.001801978	0.003683058	0.001711003	1.562900782	3.37709E-05	0.007354517	0.001319783	0.003060277	0.004171488
2105 Apr	0.003416356	0.089798607	1.33093E-05	34.59973526	28.7052269	0.255557507	0.014591535	34.36631393	0.015369443	0.014467721	0.001808666	0.003697297	0.001718686	1.569000602	3.39927E-05	0.007382306	0.001324819	0.003072602	0.004188227
2105 May	0.003391209	0.093611866	1.33496E-05	34.18594742	28.41270638	0.254821658	0.01443965	34.13322067	0.015173336	0.014529377	0.001803126	0.003650401	0.001699594	1.551424742	3.37428E-05	0.007277309	0.001335313	0.003065525	0.004130394
2105 Jun	0.003337653	0.096392319	1.31528E-05	33.44320297	27.87421608	0.251766086	0.014166668	33.39558029	0.014870793	0.014446288	0.001786657	0.00357062	0.001665289	1.518617034	3.32039E-05	0.007108307	0.001336056	0.003035248	0.004036607
2105 Jul	0.003584316	0.097281776	1.36035E-05	36.04093552	30.03152847	0.268720418	0.015111581	35.48991394	0.016141191	0.014979708	0.001927064	0.003861641	0.001790841	1.637554884	3.50296E-05	0.007712523	0.001414086	0.003216118	0.004373228
2105 Aug	0.003674916	0.092758179	1.34984E-05	36.97477722	30.78598213	0.271834522	0.015076386	36.04901505	0.016725078	0.014540497	0.001980032	0.003986156	0.001825567	1.685548306	3.41551E-05	0.007996625	0.001420237	0.003237437	0.004516336
2105 Sep	0.003575054	0.088157497	1.33132E-05	36.12050629	29.9965477	0.263949692	0.014697938	35.44512939	0.016271774	0.01412694	0.001911917	0.003890088	0.001780849	1.646283388	3.32687E-05	0.007807935	0.001365818	0.003138062	0.004410428
2105 Oct	0.003473483	0.085281342	1.31708E-05	35.24438477	29.20347023	0.257026613	0.01445281	34.8456459	0.015769839	0.01393416	0.00184354	0.003784976	0.001739056	1.604016423	3.29309E-05	0.007591871	0.001319555	0.003051017	0.004294833
2105 Nov	0.003430175	0.084396496	1.30974E-05	34.80944443	28.82811928	0.253697604	0.01428828	34.5082016	0.015550543	0.013826673	0.001815222	0.003735776	0.001717462	1.583971739	3.25932E-05	0.007492141	0.001300722	0.003014098	0.004239291
2105 Dec	0.003431519	0.084395558	1.31098E-05	34.83263779	28.84436035	0.253849089	0.014300173	34.54162598	0.015556696	0.013834972	0.001815688	0.003737984	0.001718619	1.584961891	3.2626E-05	0.00749632	0.00130112	0.003015299	0.004241852
2106 Jan	0.003431188	0.084399156	1.3111E-05	34.84086609	28.85005188	0.2539635	0.014323149	34.54841232	0.015554291	0.013854971	0.001815337	0.003737862	0.001719548	1.584987283	3.27093E-05	0.007495391	0.00130111	0.003015875	0.004242219
2106 Feb	0.003430901	0.084407352	1.31118E-05	34.84963608	28.8563633	0.254087478	0.014347329	34.55481339	0.015552085	0.013876055	0.001815031	0.003737762	0.001720534	1.585021734	3.27968E-05	0.007494479	0.001301146	0.003016534	0.004242636
2106 Mar	0.003431877	0.084443681	1.31175E-05	34.872612	28.87428665	0.254319012	0.014379567	34.57483292	0.015555583	0.013904521	0.001815378	0.003739077	0.001722281	1.585661411	3.2906E-05	0.007496339	0.001301655	0.003018402	0.004244721
2106 Apr	0.003448345	0.084859088	1.31825E-05	35.05295563	29.02248764	0.255696297	0.014476417	34.75084305	0.015629349	0.013995418	0.001823923	0.00375728	0.001731793	1.593460321	3.31627E-05	0.007532067	0.001308031	0.003033885	0.004265971
2106 May	0.003485043	0.087357372	1.33936E-05	35.39947891	29.3202343	0.259086758	0.014648392	35.18343735	0.015764723	0.014230439	0.001845601	0.003792062	0.001749889	1.609228969	3.36325E-05	0.007596361	0.001329459	0.003073065	0.004304164
2106 Jun	0.003183765	0.088446841	1.26266E-05	31.95280647	26.55949974	0.237676293	0.013235547	32.04906845	0.014236764	0.013406628	0.001694111	0.003423825	0.001581503	1.454847097	3.05704E-05	0.006830569	0.001254223	0.002873752	0.00387166
2106 Jul	0.003418124	0.088983893	1.30681E-05	34.48125076	28.65224838	0.254253358	0.014259254	34.03194809	0.015452363	0.014031602	0.001826043	0.003703979	0.001706575	1.568513989	3.27507E-05	0.007406512	0.001329529	0.003061812	0.004197611
2106 Aug	0.003558708	0.085925236	1.312E-05	35.94207382	29.85152435	0.261611611	0.014533589	35.05123901	0.016259102	0.013884697	0.00190652	0.003881094	0.001770072	1.638919115	3.27203E-05	0.007793721	0.001355763	0.003129872	0.004403252
2106 Sep	0.003516807	0.082414232	1.30455E-05	35.63500977	29.53540611	0.257686436	0.014326796	34.88225937	0.016092425	0.013591798	0.001873961	0.003848017	0.001751422	1.625521183	3.21175E-05	0.00773546	0.001323819	0.003075648	0.004368301
2106 Oct	0.003499755	0.081646018	1.3149E-05	35.53575134	29.40542603	0.256315321	0.014242116	35.01485825	0.015997039	0.013528958	0.001856983	0.003835688	0.001744171	1.621495843	3.1893E-05	0.007710005	0.001312671	0.003056953	0.004353231
2106 Nov	0.003510962	0.081839643	1.3206E-05	35.66362762	29.50556755	0.257178128	0.014288805	35.16457748	0.016048545	0.013568352	0.001862476	0.003849371	0.001750217	1.627367854	3.19945E-05	0.007737295	0.001316605	0.003066363	0.004368615
2106 Dec	0.003513046	0.081849471	1.3222E-05	35.69687271	29.52963829	0.257404566	0.014306493	35.2089653	0.016058214	0.013581038	0.001863324	0.003852559	0.001751909	1.628781438	3.20434E-05	0.007743357	0.001317291	0.003068264	0.004372335
2107 Jan	0.003512853	0.081853509	1.32237E-05	35.70664978	29.53655815	0.257528633	0.014329948	35.21730804	0.016056508	0.013601311	0.001863052	0.003852611	0.00175291	1.628878713	3.21275E-05	0.007742783	0.001317326	0.003068952	0.004372897
2107 Feb	0.003513435	0.081878021	1.3228E-05	35.72480774	29.5504818	0.257718682	0.014358173	35.23321533	0.016058316	0.013625998	0.0018632	0.003853506	0.001754363	1.629334569	3.22245E-05	0.00774386	0.001317673	0.003070379	0.004374451
2107 Mar	0.003516615	0.081961952	1.3242E-05	35.77006149	29.58677292	0.258106947	0.014398573	35.27542114	0.016071988	0.013662084	0.001864719	0.003857263	0.001757182	1.631002784	3.23508E-05	0.007750652	0.001318993	0.003074137	0.004379288
2107 Apr	0.003524729	0.082160659	1.32747E-05	35.8661499	29.66506958	0.258865029	0.014460681	35.36741257	0.016108176	0.013718647	0.001868848	0.003866441	0.001762532	1.634966254	3.25279E-05	0.0077683	0.001322167	0.003082265	0.004390315
2107 May	0.003493621	0.084581204	1.32458E-05	35.40756226	29.32760429	0.257111669	0.014297334	35.00190353	0.015904184	0.013734307	0.001856641	0.003815371	0.001741238	1.614789248	3.22363E-05	0.007658485	0.001323603	0.003067776	0.004329078
2107 Jun	0.003344157	0.089057684	1.29003E-05	33.5606575	27.90880013	0.247946352	0.013706637	33.32154846	0.015068316	0.013613725	0.001788066	0.003609307	0.001656536	1.530559659	3.12553E-05	0.007221398	0.001302806	0.002983197	0.004088607
2107 Jul	0.00352552	0.089330949	1.32505E-05	35.58089447	29.56896591	0.261347473	0.014596854	34.94588089	0.016003676	0.01415774	0.001888889	0.003827747	0.001758212	1.620102644	3.32792E-05	0.007669748	0.001358527	0.003123107	0.004346203
2107 Aug	0.003765187	0.090403087	1.37366E-05	38.15639114	31.69753075	0.27842921	0.015598565	37.08724976	0.017227624	0.014756741	0.002023921	0.004111615	0.001884243	1.736970544	3.53519E-05	0.008256272	0.001434944	0.003300593	0.004676811
2107 Sep	0.003823016	0.090211853	1.39892E-05	38.90433121	32.27072525	0.283141553	0.015952244	37.89556503	0.017510133	0.014998476	0.002049468	0.004187576	0.001921552	1.769565701	3.62276E-05	0.008409398	0.001449658	0.003343942	0.004766996
2107 Oct	0.003759227	0.088558093	1.39328E-05	38.33203125	31.75112534	0.278514594	0.015734939	37.55093002	0.017190119	0.014835559	0.002005975	0.004121272	0.001892611	1.743009448	3.57968E-05	0.008273846	0.00142074	0.003288026	0.004692013
2107 Nov	0.003728633	0.088030688	1.38807E-05	38.00222397	31.47060013	0.27597636	0.015582942	37.29404831	0.017034123	0.014735345	0.001986284	0.004085456	0.00187556	1.7283355	3.54363E-05	0.008201977	0.001407707	0.00326133	0.004650624
2107 Dec	0.003731847	0.088012874	1.39087E-05	38.05179596	31.50497437	0.276259601	0.015595739	37.36995316	0.017049864	0.014739908	0.001987568	0.004090777	0.001877682	1.730667472	3.54584E-05	0.008212477	0.001408621	0.003263582	0.004656458
2108 Jan	0.003732624	0.08801157	1.39177E-05	38.07180405	31.51890564	0.276416779	0.015613741	37.3968277	0.017053191	0.014753602	0.001987756	0.004092309	0.001878894	1.7313869	3.55164E-05	0.008215076	0.001408907	0.003264627	0.004658445
2108 Feb	0.003732663	0.088020191	1.39205E-05	38.0834465	31.52732849	0.276549935	0.015636198	37.40786743	0.017052637	0.014772841	0.001987617	0.004092642	0.001879937	1.731599927	3.55956E-05	0.00821511	0.001409031	0.003265431	0.004659277
2108 Mar	0.003736542	0.088122331	1.39368E-05	38.13489532	31.56889153	0.276981205	0.015677862	37.45615387	0.017069528	0.014810306	0.001989528	0.004097131	0.001883029	1.733573794	3.57227E-05	0.008223417	0.001410619	0.003269735	0.004664919
2108 Apr	0.003771245	0.088965937	1.40683E-05	38.5003891	31.87065887	0.279702187	0.015848953	37.81312561	0.017226955	0.014970611	0.002007847	0.004135338	0.001901636	1.749824047	3.61454E-05	0.008299374	0.001423904	0.003301026	0.004708949

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.003841039	0.091005154	1.43455E-05	39.2652092	32.50259399	0.285755366	0.016277583	38.56312943	0.01753521	0.015379201	0.00204448	0.004211585	0.001942501	1.782688498	3.73055E-05	0.008447885	0.001452433	0.003367693	0.004798403
2108 Jun	0.003618722	0.091712207	1.3884E-05	36.70995331	30.44779015	0.269550264	0.01534402	36.17046738	0.016390814	0.014988108	0.001923554	0.003935719	0.001820579	1.66580379	3.5483E-05	0.00786757	0.00139444	0.00325019	0.004473945
2108 Jul	0.003847361	0.094652459	1.45446E-05	39.25275803	32.54040527	0.287746251	0.016616756	38.37675476	0.017503573	0.015999403	0.002047393	0.004202137	0.001952618	1.776498914	3.86774E-05	0.008399905	0.001476729	0.003457094	0.004786761
2108 Aug	0.004143634	0.097534947	1.52769E-05	42.3976593	35.14267731	0.309197903	0.017864734	41.10962619	0.018975411	0.016862953	0.002212415	0.004546344	0.002107101	1.91919589	4.134E-05	0.009105465	0.001576996	0.003688562	0.005185755
2108 Sep	0.004176014	0.097239368	1.54519E-05	42.85932541	35.48619461	0.312068969	0.018101361	41.64500809	0.019132804	0.017021617	0.002225148	0.004591535	0.002130456	1.938927054	4.1958E-05	0.009195673	0.001583941	0.003712674	0.00524018
2108 Oct	0.003963622	0.093062364	1.49091E-05	40.63839722	33.61723328	0.295509309	0.017189354	39.72340393	0.018087696	0.01634158	0.00209672	0.004347411	0.002019452	1.838126659	3.99213E-05	0.008705146	0.00149651	0.003526121	0.004962167
2108 Nov	0.003939213	0.092687987	1.48759E-05	40.38927078	33.40315247	0.293661654	0.017103594	39.53537369	0.017959567	0.016298002	0.002080373	0.004318651	0.002007306	1.826539993	3.97618E-05	0.008646516	0.001486028	0.003505818	0.004929738
2108 Dec	0.003942098	0.09269277	1.48987E-05	40.43346024	33.43473434	0.293941945	0.017121412	39.5976944	0.017973239	0.016309164	0.002081559	0.004323136	0.002009391	1.828514934	3.98054E-05	0.00865522	0.001486929	0.003508164	0.004934821
2109 Jan	0.003941972	0.09269762	1.49007E-05	40.44241714	33.44103622	0.294051558	0.017141467	39.60614014	0.017971925	0.016326481	0.002081336	0.004323246	0.002010267	1.828629613	3.98771E-05	0.008654857	0.001486973	0.003508768	0.004935367
2109 Feb	0.003942312	0.092718974	1.49037E-05	40.45655441	33.45185852	0.294208825	0.017166018	39.6180687	0.017972654	0.01634809	0.002081375	0.004323815	0.002011468	1.828940392	3.99625E-05	0.008655352	0.001487229	0.003509896	0.004936496
2109 Mar	0.003946787	0.092835397	1.49225E-05	40.51444244	33.49872208	0.294688404	0.017211236	39.67240906	0.017992212	0.016389053	0.002083583	0.004328955	0.002014902	1.831190228	4.00991E-05	0.008664932	0.001489044	0.003514801	0.004942903
2109 Apr	0.003971026	0.093419567	1.50168E-05	40.78120804	33.71777344	0.296714991	0.017355384	39.9299736	0.018101504	0.016523046	0.002096151	0.004355901	0.002028998	1.842698932	4.04817E-05	0.008717813	0.001498368	0.003537757	0.004974475
2109 May	0.003927883	0.097066469	1.4982E-05	40.15151215	33.25760651	0.294568658	0.017159509	39.43440247	0.017813237	0.016579969	0.002079824	0.004284207	0.002000606	1.814614177	4.01945E-05	0.008562345	0.001501852	0.003519094	0.004888946
2109 Jun	0.003850302	0.101931043	1.47875E-05	39.06806183	32.46870041	0.290434539	0.016831076	38.42541122	0.01734207	0.016599638	0.002052018	0.004163056	0.001952238	1.765721798	3.96964E-05	0.008302297	0.001503691	0.003482386	0.004746492
2109 Jul	0.004029226	0.100952126	1.50709E-05	41.02443314	34.06850052	0.302379489	0.01749102	39.99425888	0.018300083	0.016856467	0.002153157	0.004384769	0.002045068	1.855617642	4.08635E-05	0.008766299	0.001553524	0.003603958	0.005005161
2109 Aug	0.004202999	0.10084562	1.5443E-05	42.90518188	35.60170746	0.314095885	0.018147171	41.59765244	0.019198455	0.017186787	0.002248291	0.004594865	0.002134701	1.941862106	4.20936E-05	0.009204122	0.001601786	0.003724157	0.005250117
2109 Sep	0.004195838	0.097707026	1.53704E-05	42.87905502	35.5348587	0.311815679	0.017875271	41.64496231	0.019222494	0.016780589	0.00224074	0.004602931	0.002125283	1.944387913	4.10387E-05	0.009235157	0.001585166	0.003687894	0.005257779
2109 Oct	0.003966013	0.092440441	1.48302E-05	40.57721329	33.56605911	0.294270635	0.016948329	39.73846817	0.018101698	0.016052319	0.002099094	0.00434756	0.002010137	1.83925724	3.90095E-05	0.008720821	0.001488111	0.003485088	0.004967639
2109 Nov	0.003960717	0.0923125	1.48639E-05	40.54821396	33.52902603	0.29396233	0.016945815	39.77345657	0.018068943	0.016061986	0.002093699	0.004342856	0.002008639	1.83771944	3.90298E-05	0.008710359	0.001485017	0.003480865	0.004962434
2109 Dec	0.003964329	0.092323624	1.48908E-05	40.60049057	33.56671906	0.294288278	0.016964231	39.8466568	0.018086165	0.016073035	0.00209525	0.004348311	0.002011038	1.840104699	3.90709E-05	0.008721054	0.001486156	0.003483712	0.004968551
2110 Jan	0.003964853	0.092339225	1.48962E-05	40.61828232	33.57988739	0.29446432	0.016989853	39.86477661	0.018087812	0.01609497	0.002095337	0.004349255	0.002012396	1.840583324	3.91586E-05	0.008722279	0.001486443	0.003484965	0.004970097
2110 Feb	0.003965411	0.092365406	1.49007E-05	40.63762665	33.5946846	0.294670761	0.017021142	39.88157272	0.018089389	0.016122354	0.002095452	0.004350147	0.002013977	1.841047525	3.92666E-05	0.008723261	0.0014868	0.003486485	0.004971714
2110 Mar	0.003968373	0.092445768	1.49138E-05	40.6807251	33.62923813	0.295045614	0.017061248	39.92131042	0.018102011	0.016158236	0.002096853	0.004353646	0.002016706	1.842607856	3.93931E-05	0.00872952	0.001488044	0.003490073	0.004976283
2110 Apr	0.003982965	0.09279567	1.49706E-05	40.84331131	33.7625351	0.296287179	0.017151807	40.078228	0.018167702	0.016241802	0.002104397	0.004369916	0.002025368	1.849573851	3.96366E-05	0.00876138	0.001493644	0.003503905	0.004995462
2110 May	0.004009149	0.094481885	1.5174E-05	41.13182449	33.99209213	0.298872709	0.017274784	40.50922394	0.018263517	0.016398804	0.002118714	0.004398883	0.002039553	1.862891555	3.99628E-05	0.008814534	0.00150871	0.003531368	0.005026785
2110 Jun	0.003654196	0.095654547	1.44796E-05	37.20261383	30.78056908	0.274066269	0.0154884	37.38378525	0.016452968	0.015251751	0.001937321	0.003980291	0.001841436	1.690004706	3.58716E-05	0.007944304	0.00141846	0.003275215	0.004527946
2110 Jul	0.003865564	0.095453329	1.47625E-05	39.46731186	32.66756439	0.288714617	0.016375955	39.05316925	0.017572418	0.015719743	0.002059287	0.004233588	0.001952936	1.792267561	3.76775E-05	0.00847029	0.001484071	0.003434129	0.00482567
2110 Aug	0.003787756	0.087627262	1.41016E-05	38.5668335	31.91424942	0.278420866	0.015586563	37.81196213	0.017350134	0.014673328	0.002016869	0.004159932	0.00189717	1.756999969	3.50959E-05	0.008358411	0.001420223	0.003309503	0.00474454
2110 Sep	0.003627006	0.082868047	1.37472E-05	36.98316956	30.53743744	0.265559703	0.014866407	36.55818558	0.016582333	0.014051147	0.00191478	0.003986748	0.00181525	1.685793877	3.33804E-05	0.008014452	0.001346098	0.003158956	0.004547311
2110 Oct	0.003461372	0.079346597	1.33656E-05	35.24185181	29.06124496	0.25218302	0.014132494	35.098629	0.015757084	0.013530288	0.00180986	0.003795162	0.001727226	1.607009888	3.17101E-05	0.007631205	0.001274424	0.003010841	0.004328835
2110 Nov	0.003419508	0.078537993	1.32997E-05	34.8117981	28.68992615	0.248846978	0.013930596	34.78572464	0.015547097	0.013383886	0.001783255	0.003748367	0.001704813	1.587900758	3.12298E-05	0.007536937	0.001256893	0.002973837	0.004274407
2110 Dec	0.003422855	0.078539215	1.33263E-05	34.86000061	28.72410202	0.249130279	0.013943432	34.85693741	0.015563197	0.013389892	0.001784659	0.003753558	0.001706899	1.590168595	3.12524E-05	0.00754721	0.0012579	0.002976276	0.004280122
2111 Jan	0.003423579	0.078539141	1.33351E-05	34.87974548	28.73784828	0.249289095	0.013962044	34.88334274	0.015566242	0.013404134	0.001784824	0.003755028	0.001708119	1.590864062	3.13128E-05	0.007549658	0.001258185	0.002977308	0.004282056
2111 Feb	0.003423504	0.078546338	1.33378E-05	34.89211273	28.74666786	0.249435633	0.013987577	34.89509201	0.015565083	0.013425867	0.001784607	0.003755294	0.001709271	1.591060638	3.14035E-05	0.007549455	0.00125829	0.002978133	0.004282882
2111 Mar	0.003429144	0.078688301	1.33619E-05	34.96335602	28.80423737	0.250013649	0.014040065	34.96346283	0.015589771	0.013473572	0.001787371	0.003761756	0.001713406	1.59388423	3.15597E-05	0.007561628	0.00126051	0.002984094	0.004290863
2111 Apr	0.003452797	0.079242125	1.34561E-05	35.2179985	29.01292992	0.251901299	0.014165828	35.21506119	0.015696393	0.013591622	0.001799531	0.003787972	0.001726519	1.605074644	3.188E-05	0.007613527	0.001269344	0.003005716	0.004321369
2111 May	0.003469106	0.08238516	1.35492E-05	35.2967453	29.12120056	0.254187912	0.014302913	35.30397797	0.015721362	0.013844815	0.001813718	0.003791461	0.001734055	1.607823968	3.23806E-05	0.007612281	0.001288448	0.003033189	0.004325245
2111 Jun	0.003272905	0.087459452	1.29593E-05	32.84040833	27.24713326	0.241598368	0.013397901	32.96876144	0.014663521	0.013479294	0.001729804	0.003525019	0.00161854	1.497764945	3.05855E-05	0.007053174	0.001261148	0.002911017	0.004011407
2111 Jul	0.003564654	0.090025745	1.36604E-05	36.01809692	29.87088585	0.263521433	0.014779866	35.67566299	0.016121501	0.014442963	0.001892457	0.003868067	0.001777971	1.639649987	3.3738E-05	0.007751667	0.001361089	0.003147345	0.004413408
2111 Aug	0.003628385	0.085492365	1.34803E-05	36.67833328	30.4056797	0.265110105	0.014716605	35.95046234	0.01656664	0.014012286	0.001930633	0.003959164	0.00180166	1.673872948	3.29392E-05	0.007964914	0.001358827	0.003152572	0.004521154
2111 Sep	0.003634816	0.08355543	1.36172E-05	36.94420624	30.55659676	0.265884459	0.01483574	36.37233353	0.016618947	0.014011287	0.001925714	0.003983384	0.001813828	1.684962273	3.32388E-05	0.008015144	0.001350111	0.003149735	0.004552158
2111 Oct	0.003501458	0.080748267	1.33771E-05	35.63299179	29.42061806	0.25588131	0.014309	35.37884903	0.015957069	0.013622309	0.001841458	0.003836727	0.001747931	1.625039339	3.21094E-05	0.007717304	0.001294575	0.003035197	0.004384003
2111 Nov	0.003419541	0.079248205	1.32455E-05	34.78446579	28.69122696	0.249359608	0.013925686	34.74521255	0.015543552	0.013356674	0.001789181	0.00374391	0.001704173	1.587095499	3.12177E-05	0.007529943	0.001260403	0.00296424	0.004276194
2111 Dec	0.00342186	0.079241417	1.32717E-05	34.82284164	28.71684647	0.249576226	0.013937493	34.80940628	0.015553843	0.013364108	0.00178983	0.003747837	0.001705839	1.588866115	3.12432E-05	0.007537551	0.001260974	0.00296598	0.00428053
2112 Jan	0.003422822	0.079241484	1.32814E-05	34.84081268	28.72929382	0.249697134	0.013946849	34.83619308	0.015558291	0.013370213	0.001790161	0.00374953	0.001706737	1.589631319	3.12694E-05	0.007540717	0.001261295	0.002966837	0.004282498
2112 Feb	0.003424149	0.079262257	1.32908E-05	34.86227417	28.74524879	0.249860257	0.013961172	34.86307526	0.015564208	0.013381475	0.001790719	0.003751462	0.001707916	1.590499043	3.13119E-05	0.007544292	0.001261811	0.002968186	0.004284835
2112 Mar	0.00343136	0.079427242	1.33221E-05	34.94665909	28.81329536	0.250501066	0.014009373	34.94905472	0.015596514	0.013424979	0.001794333	0.003759769	0.001712423	1.594086528	3.14438E-05	0.007560445	0.001264542	0.002975043	0.004294685
2112 Apr	0.00345191	0.079908848	1.34041E-05	35.16854858	28.99503899	0.252148092	0.014118918	35.16910172	0.015689189	0.013527279	0.001804919	0.003782595	0.001723847	1.603839397	3.17228E-05	0.007605631	0.00127223	0.002993756	0.004321285
2112 May	0.003456996	0.083621033	1.35072E-05	35.05682373	28.94975662	0.253086954	0.014013685	35.19837952	0.015654141	0.013588122	0.001816194	0.003772713	0.001717524	1.601118207	3.14436E-05	0.007579085	0.001291587	0.003007158	0.004304178
2112 Jun	0.003087192	0.083914287	1.22285E-05	30.73796654	25.53713226	0.226066768	0.012075469	31.02908707	0.013841566	0.012221597	0.001644017	0.003321995	0.001502923	1.410798311	2.68785E-05	0.006656087	0.00120005	0.002730814	0.003771353
2112 Jul	0.003255276	0.083159193	1.25329E-05	32.69917297	27.13470268	0.238813907	0.012978413	32.5560112	0.014740061	0.012741573	0.001737536	0.003534363	0.001602624	1.49661243	2.89888E-05	0.007088552	0.001252341	0.002871531	0.004023513
2112 Aug	0.003498119	0.084113814	1.31247E-05	35.31358337	29.27198219	0.255663365	0.013862135	34.89592743	0.015979649	0.013228193	0.001872515	0.003827009	0.001726408	1.617500782	3.061E-05	0.007694594	0.001329038	0.003047071	0.0043621
2112 Sep	0.003537351	0.083040953	1.3454E-05	36.00827026	29.75220299	0.259644359	0.01418585	35.85491562	0.01617839	0.013398077	0.001884508	0.003894638	0.00176008	1.647464514	3.14474E-05	0.007827485	0.001334963	0.003074911	0.004442228
2112 Oct	0.003527034	0.081712224	1.35712E-05	36.09043884	29.75298309	0.259521365	0.014242427	36.16527176	0.016131602	0.013392634	0.001871255	0.003898304	0.001763409	1.650221229	3.16464E-05	0.007832263	0.001325351	0.003061664	0.004447715
2112 Nov	0.003534364	0.081595793	1.36662E-05	36.21592712	29.83266449	0.260120779	0.014261403	36.39560318	0.016165119	0.01339527	0.00187287	0.003911833	0.001768233	1.656317472	3.16572E-05	0.007859013	0.001326622	0.003065907	0.004462217
2112 Dec	0.003537278	0.081627555	1.36842E-05	36.25242615	29.86007881	0.260353178	0.014273085	36.44320297	0.016178751	0.013403523	0.001874222	0.003915754	0.001769894	1.658012867	3.16807E-05	0.007866809	0.00132759	0.003068226	0.004466601
2113 Jan	0.003538435	0.081615187	1.36963E-05	36.27391434	29.87460136	0.260483623	0.014281393	36.47696304	0.01618439	0.013407534	0.001874619	0.003917903	0.001770882	1.658973575	3.17012E-05	0.007870927	0.001327923	0.003069106	0.004469026
2113 Feb	0.003539134	0.081636995	1.37009E-05	36.28871155	29.88597107	0.260623336	0.014299187	36.49161148	0.016187083	0.013422984	0.001874879	0.003918879	0.001771922	1.659436464	3.17604E-05	0.007872457	0.001328262	0.003070226	0.004470439
2113 Mar	0.003550409	0.081895672	1.37474E-05	36.41453171	29.98825264	0.261562079	0.014362967	36.61888504	0.016238179	0.013480808	0.001880704	0.003931713	0.001778436	1.664932132	3.19256E-05	0.007897714	0.001332557	0.003080606	0.004485437
2113 Apr	0.003571307	0.082384087	1.38302E-05	36.63968658	30.1727047	0.26322946	0.014470062	36.8433342	0.01633307	0.013579592	0.001891632	0.003955097	0.001789923	1.674900293	3.21934E-05	0.007944063	0.001340499	0.003099537	0.004512582
2113 May	0.003579546	0.085588589	1.39738E-05	36.64886093	30.20776939	0.264910907	0.01452468	36.98703384	0.016312387	0.013769845	0.001900378	0.003952245	0.001792222	1.675441265	3.24485E-05	0.007929076	0.00135737	0.003119451	0.004506834
2113 Jun	0.003385472	0.088986866	1.34133E-05	34.26929474	28.36267662	0.251673192	0.013605587	34.75149536	0.015282637	0.013341432	0.001810577	0.003695287	0.001678488	1.568994761	3.05396E-05	0.007393977	0.001320171	0.002991177	0.004203796
2113 Jul	0.003610071	0.090345509	1.38948E-05	36.68037796	30.35814476	0.267869115	0.014606961	36.73020935	0.016418643	0.013998733	0.00193585	0.003958738	0.001798298	1.677269936	3.27313E-05	0.007934959	0.001392659	0.003166571	0.004513728
2113 Aug	0.003825286	0.090545855	1.43336E-05	38.97948456	32.24560165	0.282393962	0.015369575	38.68291092	0.017534804	0.014371844	0.002056578	0.004218125	0.001906969	1.783643723	3.40758E-05	0.008475772	0.001457378	0.00331677	0.004815568
2113 Sep	0.003815737	0.088169381	1.43094E-05	38.95291901	32.18183136	0.280747801	0.015250922	38.72261429	0.017520966	0.014169696	0.002045316	0.004218481	0.001901787	1.783629656	3.36219E-05	0.008484697	0.001441998	0.003291573	0.004816952
2113 Oct	0.00360147	0.083501972	1.38112E-05	36.76874924	30.32291031	0.264168233	0.014402102	36.87389755	0.0164636	0.013552074	0.001911146	0.003975223	0.001793437	1.683398724	3.18094E-05	0.007994286	0.001350778	0.003106654	0.004539493
2113 Nov	0.003559167	0.082803458	1.37736E-05	36.31503677	29.93059731	0.260587394	0.014195394	36.55674362	0.01623996	0.013435136	0.001881777	0.003925142	0.001769837	1.663152218	3.13286E-05	0.007893508	0.001331679	0.003070071	0.00448121
2113 Dec	0.00356223	0.082836926	1.37933E-05	36.35319519	29.959095	0.260826111	0.014206743	36.6076889	0.016254187	0.013443249	0.001883167	0.003929266	0.001771544	1.664939284	3.135E-05	0.007901725	0.001332677	0.003072474	0.004485801
2114 Jan	0.003563079	0.082844928	1.38005E-05	36.36749649	29.96935844	0.26092732	0.014214934	36.62751389	0.016257988	0.013449332	0.001883486	0.003930595	0.001772285	1.66553843	3.13735E-05	0.00790421	0.001332977	0.003073275	0.00448737
2114 Feb	0.00356311	0.082857646	1.38022E-05	36.37604904	29.97573662	0.261031985	0.014232717	36.6347847	0.016257463	0.013464931	0.00188339	0.003930784	0.001773089	1.665675044	3.14365E-05	0.007904089	0.001333095	0.003073932	0.004487948
2114 Mar	0.003568687	0.08299797	1.38252E-05	36.44260406	30.02983284	0.26155901	0.014275874	36.69959641	0.016282203	0.013504263	0.001886213	0.003937115	0.001776795	1.668419242	3.15599E-05	0.00791624	0.001335292	0.003079496	0.00449561
2114 Apr	0.003583482	0.083350934	1.38841E-05	36.60474014	30.16254997	0.262777358	0.014358853	36.86021423	0.016348956	0.013580905	0.001893892	0.003953655	0.001785225	1.675495863	3.17751E-05	0.007948841	0.00134094	0.003093115	0.004514991
2114 May	0.003547759	0.086228661	1.38708E-05	36.10184479	29.78578377	0.260945857	0.014111493	36.54738998	0.016122015	0.013511484	0.001882619	0.003900186	0.001759962	1.654658914	3.12121E-05	0.007833093	0.001345314	0.003072544	0.004447977
2114 Jun	0.003547386	0.090648621	1.39135E-05	35.92510986	29.71029472	0.262212634	0.014069372	36.42463684	0.016058801	0.013652226	0.001895412	0.003881067	0.001753501	1.647677541	3.1215E-05	0.007782839	0.001369608	0.003093089	0.00442164
2114 Jul	0.003858028	0.093307219	1.46668E-05	39.27922058	32.47779846	0.285100728	0.015453252	39.31443405	0.017612094	0.014593844	0.002068662	0.004246223	0.001919663	1.798743129	3.42574E-05	0.008529226	0.001474566	0.003338414	0.004849544
2114 Aug	0.004149389	0.096675843	1.55408E-05	42.39549637	35.02924728	0.30625391	0.016626511	42.2335434	0.019038169	0.015432104	0.002227912	0.0045877	0.002070412	1.941280842	3.67004E-05	0.009226393	0.001574159	0.00356717	0.005244712
2114 Sep	0.004098132	0.093320698	1.5426E-05	41.94478607	34.60282898	0.30132547	0.016313832	41.92264557	0.018825127	0.015069837	0.002191521	0.004542402	0.00204348	1.922266603	3.57878E-05	0.009143449	0.001541242	0.003506715	0.00519295
2114 Oct	0.003994714	0.089647263	1.52112E-05	41.00740814	33.76253128	0.293376595	0.015916504	41.22454071	0.018339809	0.01469196	0.002123948	0.004437859	0.001995273	1.879269242	3.48884E-05	0.008934539	0.00149187	0.003409435	0.005074341
2114 Nov	0.003880165	0.087077282	1.49978E-05	39.84504318	32.75914764	0.284267992	0.015388965	40.33088303	0.017775588	0.01429054	0.002051516	0.004311212	0.001935275	1.827167869	3.36511E-05	0.00867975	0.001442787	0.00330877	0.004927154
2114 Dec	0.003878688	0.086996242	1.50136E-05	39.84273911	32.75079346	0.284180015	0.015382649	40.35877228	0.017767485	0.014284031	0.002049932	0.004310777	0.001934879	1.82711637	3.36338E-05	0.008678613	0.001441833	0.003307247	0.004926432
2115 Jan	0.003879928	0.087003447	1.5024E-05	39.86116409	32.76387787	0.284295142	0.015388682	40.38621521	0.017773276	0.014287579	0.002050433	0.004312698	0.001935706	1.827965975	3.36469E-05	0.008682363	0.001442238	0.0033082	0.004928575
2115 Feb	0.003881128	0.087020144	1.50332E-05	39.88137817	32.77871704	0.284447372	0.015402045	40.4123497	0.017778633	0.014297877	0.002050919	0.004314514	0.001936809	1.828784108	3.36866E-05	0.008685708	0.001442701	0.003309418	0.00493077
2115 Mar	0.003884366	0.087092556	1.50485E-05	39.92352676	32.81214142	0.284778178	0.015430258	40.45630264	0.017793033	0.014322447	0.002052495	0.004318433	0.001939165	1.830500245	3.37687E-05	0.008693142	0.001443966	0.003312681	0.004935542

Appendix D.2-2: SP6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.003906573	0.087595262	1.51359E-05	40.16678619	33.01095963	0.286585569	0.015550518	40.6982193	0.017893989	0.014431582	0.002064062	0.004343443	0.001951691	1.84118557	3.4075E-05	0.008742634	0.001452356	0.003332723	0.004964808
2115 May	0.003848	0.090974018	1.49848E-05	39.37033081	32.42810059	0.283514798	0.015340287	39.94696426	0.017539268	0.014469885	0.002041522	0.004252525	0.001916907	1.804647326	3.38243E-05	0.008547856	0.001451436	0.003303464	0.004858266
2115 Jun	0.003908664	0.096742585	1.52538E-05	39.80714417	32.86270905	0.289205462	0.015610418	40.39192963	0.017743589	0.014928355	0.002083532	0.004295905	0.001942289	1.824502826	3.46208E-05	0.008623783	0.00149517	0.003376576	0.004905758
2115 Jul	0.004198119	0.098665223	1.58176E-05	42.75566483	35.32739639	0.30853501	0.016606195	42.7891922	0.019214315	0.015520019	0.00224863	0.004629897	0.002082873	1.961138606	3.64042E-05	0.009318847	0.001588764	0.003588738	0.005294263
2115 Aug	0.004161605	0.093912624	1.54418E-05	42.35791016	34.99208832	0.30343619	0.016245604	42.13478088	0.019137403	0.014979261	0.002228687	0.004599381	0.002058011	1.94537282	3.51905E-05	0.009277271	0.001554893	0.003528762	0.00526239
2115 Sep	0.004173262	0.092187002	1.55834E-05	42.69073868	35.20223236	0.30488953	0.016437935	42.58603668	0.019214645	0.015044002	0.002227333	0.004629256	0.002074878	1.95870316	3.5726E-05	0.00933705	0.001549322	0.003534308	0.005300846
2115 Oct	0.004164657	0.090950593	1.56757E-05	42.82987595	35.25565338	0.305547327	0.016622804	42.88315964	0.01917755	0.015145668	0.002215934	0.0046348	0.002084098	1.962213039	3.63724E-05	0.009342527	0.001541792	0.003528196	0.005311214
2115 Nov	0.004102714	0.089447848	1.55718E-05	42.25824356	34.75205231	0.30116418	0.01644351	42.45259094	0.018870199	0.015017401	0.002175393	0.004568118	0.002056582	1.935097337	3.60735E-05	0.009205773	0.001514957	0.003476863	0.005235956
2115 Dec	0.004101417	0.089417212	1.55829E-05	42.25007248	34.74155426	0.301063806	0.016437551	42.46466064	0.018862067	0.015015552	0.002174014	0.004567052	0.002056015	1.934755325	3.60596E-05	0.009203446	0.001514178	0.003475741	0.005234592
2116 Jan	0.004102863	0.089414492	1.55972E-05	42.27482986	34.75856018	0.301217079	0.016446751	42.50318909	0.018868908	0.015020575	0.002174536	0.004569555	0.002057148	1.935872555	3.60817E-05	0.009208254	0.001514629	0.003476877	0.005237405
2116 Feb	0.004104707	0.089462221	1.56061E-05	42.29859924	34.77746582	0.301407039	0.016462533	42.5284462	0.018877	0.015034483	0.00217543	0.004571764	0.002058472	1.936845422	3.61276E-05	0.009212435	0.001515378	0.003478715	0.005240089
2116 Mar	0.004108103	0.089547537	1.56205E-05	42.3417778	34.81234741	0.301758349	0.016493939	42.57020187	0.018891966	0.015062557	0.00217712	0.004575693	0.002060966	1.938564539	3.62207E-05	0.009219851	0.001516735	0.003482238	0.005244958
2116 Apr	0.00412995	0.090033829	1.57051E-05	42.57746124	35.00531006	0.303491563	0.01660441	42.80466461	0.018991688	0.015162501	0.002188564	0.004600226	0.002072942	1.949023962	3.64941E-05	0.009268655	0.001524915	0.003501578	0.005273551
2116 May	0.004125564	0.092908949	1.58734E-05	42.44017792	34.90169907	0.303636402	0.016435221	42.9523201	0.018916404	0.015140948	0.002190627	0.004588279	0.002063181	1.945712686	3.60116E-05	0.009237714	0.001537282	0.00350483	0.005252235
2116 Jun	0.003684071	0.093412109	1.46009E-05	37.41519547	30.8814106	0.272197664	0.014383629	38.31000137	0.01669571	0.013846827	0.001969405	0.004049145	0.001817815	1.720512509	3.15305E-05	0.00812555	0.001419729	0.003185922	0.004616363
2116 Jul	0.003952238	0.096117221	1.52835E-05	40.32791519	33.2876358	0.292425692	0.01567217	40.79679489	0.018027706	0.01478634	0.002118099	0.004363073	0.00196458	1.85021317	3.45136E-05	0.008761987	0.001513494	0.003411447	0.004985833
2116 Aug	0.004194052	0.098394692	1.59395E-05	42.8669281	35.37713242	0.309309423	0.016558042	43.10232162	0.019228101	0.015375317	0.002251707	0.004645678	0.002085697	1.967507601	3.62117E-05	0.009343972	0.001593958	0.003595057	0.005313251
2116 Sep	0.004113583	0.093545347	1.5584E-05	42.06455231	34.6778717	0.301442921	0.016063521	42.29648972	0.018903593	0.014808337	0.002201181	0.004566409	0.002040648	1.933039427	3.47839E-05	0.009198911	0.00154671	0.003501111	0.00522369
2116 Oct	0.003964693	0.089379802	1.52383E-05	40.60511398	33.41561127	0.28986758	0.015526995	41.06546402	0.018177897	0.014394841	0.002104233	0.004401705	0.001968615	1.865178227	3.36815E-05	0.008868061	0.001478293	0.003369546	0.005037638
2116 Nov	0.00396068	0.089216396	1.52999E-05	40.58761597	33.38215637	0.28948465	0.015501744	41.14635086	0.018149495	0.014388102	0.002098495	0.004399126	0.001966781	1.864601493	3.36127E-05	0.008862393	0.001474885	0.003365371	0.005034001
2116 Dec	0.003962375	0.089197986	1.53174E-05	40.61672974	33.4017601	0.289649785	0.015510296	41.19301224	0.018157762	0.014391437	0.002099086	0.004402167	0.001968045	1.865948677	3.36302E-05	0.008868313	0.001475336	0.00336659	0.005037369
2117 Jan	0.003962812	0.089192063	1.53241E-05	40.62894058	33.40986633	0.289737999	0.0155195	41.21168518	0.018159682	0.014397866	0.002099154	0.004403162	0.001968728	1.866416335	3.36591E-05	0.008870044	0.001475479	0.003367115	0.0050386
2117 Feb	0.003962663	0.089196928	1.53254E-05	40.63588715	33.41474915	0.289827317	0.015536008	41.21809387	0.018158397	0.014412071	0.002098954	0.004403202	0.001969433	1.866488814	3.37184E-05	0.00886963	0.001475516	0.003367587	0.005038988
2117 Mar	0.003966924	0.089301936	1.53432E-05	40.68782425	33.45682144	0.290240318	0.015570562	41.26886749	0.018177314	0.014443176	0.002101103	0.004408091	0.001972347	1.868613839	3.3818E-05	0.008878981	0.001477196	0.003371853	0.005044951
2117 Apr	0.003994402	0.089930549	1.54513E-05	40.9818306	33.69760895	0.292398155	0.015704637	41.56408691	0.018302388	0.014566036	0.0021155	0.004438863	0.001987181	1.881732702	3.41453E-05	0.008940239	0.001487552	0.003396156	0.005080712
2117 May	0.003988771	0.093245223	1.55195E-05	40.81581497	33.60469055	0.293162286	0.015752032	41.46467209	0.018208005	0.014785261	0.002117032	0.004414919	0.001982898	1.87334466	3.4476E-05	0.008881483	0.001500349	0.003409125	0.005052052
2117 Jun	0.003887867	0.098221734	1.53367E-05	39.4993515	32.61724472	0.287588865	0.015414967	40.26657486	0.017603058	0.014875785	0.00207235	0.004264253	0.001925242	1.812362432	3.41173E-05	0.008556371	0.001494268	0.003366374	0.00487427
2117 Jul	0.004134643	0.101176582	1.60107E-05	42.15377426	34.80771255	0.306084394	0.016575594	42.59968567	0.018808531	0.015747581	0.002207554	0.004549185	0.002058473	1.930948257	3.6796E-05	0.009134915	0.00157885	0.003568497	0.005209934
2117 Aug	0.004313043	0.101356216	1.63431E-05	44.03836441	36.36549759	0.318063736	0.017222209	44.13724899	0.019734833	0.016076161	0.002308102	0.004761515	0.002148356	2.017804861	3.79679E-05	0.009578296	0.001632335	0.0036943	0.005459375
2117 Sep	0.004360809	0.101014815	1.6548E-05	44.66987228	36.84767532	0.321993172	0.01751774	44.81254959	0.019974373	0.016262429	0.002329524	0.004825988	0.002179807	2.045316458	3.8695E-05	0.009708335	0.001644125	0.003730238	0.005536697
2117 Oct	0.004260994	0.098902144	1.63725E-05	43.73030853	36.02988815	0.315019131	0.017244957	44.07344437	0.01947419	0.01608732	0.002264932	0.004715811	0.002135405	2.000477076	3.82863E-05	0.009481581	0.001602033	0.003650264	0.005412246
2117 Nov	0.00423291	0.098340735	1.63226E-05	43.45368195	35.79124069	0.312941879	0.01714877	43.85460281	0.019332966	0.016024644	0.002246837	0.004684228	0.002121928	1.987575054	3.81046E-05	0.009417085	0.001590183	0.00362729	0.005376151
2117 Dec	0.004234326	0.098311119	1.63429E-05	43.47963333	35.80735016	0.313062847	0.017152052	43.90382385	0.019339578	0.016024064	0.002247121	0.004687045	0.002122904	1.98884356	3.81048E-05	0.009422623	0.001590423	0.003628109	0.005379148
2118 Jan	0.004235052	0.098313741	1.63505E-05	43.4933548	35.81685257	0.313157171	0.017159708	43.92437363	0.019342821	0.016029425	0.002247351	0.004688309	0.002123603	1.98941958	3.81268E-05	0.009424963	0.001590668	0.003628788	0.005380632
2118 Feb	0.00423539	0.09833575	1.63529E-05	43.50294876	35.82435226	0.31326282	0.017174881	43.93283463	0.01934376	0.016043048	0.002247444	0.004688766	0.002124378	1.989659429	3.81791E-05	0.009425485	0.001590898	0.003629579	0.005381439
2118 Mar	0.004237492	0.098394901	1.63621E-05	43.53186035	35.84762192	0.31351015	0.017199492	43.96035004	0.019352771	0.016065171	0.002248462	0.004691218	0.002126146	1.990748525	3.82552E-05	0.009429964	0.00159178	0.003631964	0.005384585
2118 Apr	0.004253163	0.099131033	1.64267E-05	43.68272018	35.97703552	0.314830303	0.017271042	44.12103271	0.019417204	0.016145915	0.002256623	0.004706677	0.002133829	1.997587323	3.8437E-05	0.009460199	0.001599254	0.003645887	0.00540237
2118 May	0.004089832	0.103662014	1.59663E-05	41.56930161	34.36214066	0.30367887	0.016422344	42.17738342	0.018516207	0.015794326	0.002182571	0.004478641	0.002032063	1.90422678	3.66245E-05	0.008986458	0.001573003	0.003533811	0.005130809
2118 Jun	0.003719697	0.103926167	1.47243E-05	37.34877396	31.02201271	0.277878284	0.014875049	38.02008438	0.016663797	0.014838284	0.002000684	0.004019594	0.001831598	1.712144613	3.34804E-05	0.008040564	0.00147377	0.003266184	0.004595697
2118 Jul	0.004069963	0.107108571	1.55027E-05	40.99328613	34.0574646	0.302505314	0.016230848	41.0846405	0.018422168	0.01573316	0.002199458	0.004425179	0.002008554	1.879074574	3.61956E-05	0.0088761	0.001593098	0.003536043	0.005069864
2118 Aug	0.004143794	0.103991941	1.55667E-05	41.81168365	34.69698334	0.305653542	0.016283385	41.73759842	0.018873472	0.015502839	0.002238323	0.004528169	0.002040799	1.919797301	3.57964E-05	0.00910436	0.0015998	0.00356442	0.005189999
2118 Sep	0.003979374	0.096194677	1.49766E-05	40.20890808	33.30241776	0.291201323	0.015453054	40.21993256	0.018166488	0.014610196	0.002136244	0.004361637	0.001955344	1.848614335	3.36001E-05	0.008785347	0.001513618	0.003395835	0.00500066
2118 Oct	0.0038418	0.091103688	1.46089E-05	38.91226196	32.1631546	0.280240119	0.014913322	39.11595535	0.017529776	0.014097895	0.00204774	0.004218698	0.001889413	1.788990855	3.23668E-05	0.008501837	0.001447033	0.003266967	0.004838732
2118 Nov	0.003813292	0.090104535	1.45831E-05	38.67084885	31.93759537	0.278126657	0.014816624	38.97751999	0.017391706	0.01401224	0.002027819	0.004190883	0.001876956	1.777763605	3.21657E-05	0.008445296	0.001433079	0.003241337	0.004806895
2118 Dec	0.003814828	0.090142772	1.45916E-05	38.6902771	31.95288467	0.278276294	0.014829485	38.99887466	0.017398193	0.014024413	0.002028499	0.004192675	0.001878033	1.778557658	3.22031E-05	0.008448696	0.001433642	0.003242895	0.004809078
2119 Jan	0.003815621	0.090145782	1.46007E-05	38.71123123	31.96762848	0.278447688	0.014850062	39.0259819	0.017401461	0.01404062	0.002028683	0.004194206	0.001879353	1.779282331	3.22703E-05	0.008451222	0.001433954	0.003244073	0.004811125
2119 Feb	0.003816718	0.090164497	1.46095E-05	38.73381805	31.98431778	0.278638005	0.014871664	39.05246735	0.017406065	0.014058281	0.002029078	0.004195927	0.001880774	1.780080318	3.23399E-05	0.008454151	0.001434418	0.003245535	0.004813406
2119 Mar	0.003824264	0.090352289	1.46399E-05	38.81965256	32.05441666	0.279301733	0.014920888	39.13710022	0.017439811	0.014103356	0.002032968	0.004204405	0.001885379	1.783735871	3.24742E-05	0.008470679	0.001437357	0.003252665	0.004823538
2119 Apr	0.003847453	0.092417464	1.47451E-05	39.02262878	32.24258423	0.281755507	0.015060674	39.37358856	0.017516384	0.014288837	0.002044596	0.004222477	0.001896873	1.792585015	3.28948E-05	0.008503264	0.001452659	0.003274827	0.004844791
2119 May	0.003600456	0.100987352	1.40552E-05	35.85625839	29.83877182	0.266482145	0.013882174	36.56484985	0.016121333	0.013857182	0.001924194	0.003872954	0.001745767	1.651934385	3.05548E-05	0.007773761	0.001420561	0.003095944	0.004430576
2119 Jun	0.003535815	0.100594006	1.38017E-05	35.15793991	29.28764343	0.262221903	0.013662955	35.79145432	0.015819974	0.013705642	0.001895596	0.00379784	0.001714008	1.619260907	3.01708E-05	0.007615932	0.00140522	0.003059519	0.004343465
2119 Jul	0.003872446	0.102822304	1.45378E-05	38.71933365	32.23861313	0.285938025	0.014980895	38.78537369	0.017531395	0.014525795	0.002086433	0.004194943	0.001886555	1.782187819	3.27954E-05	0.008433934	0.001518354	0.00331894	0.004808465
2119 Aug	0.004031491	0.10297022	1.49411E-05	40.3756752	33.59039307	0.295977235	0.015450585	40.26260757	0.018346634	0.014755177	0.002172492	0.004384556	0.001962472	1.860180616	3.34697E-05	0.008831432	0.001563305	0.003430038	0.005028689
2119 Sep	0.003971513	0.098276287	1.47548E-05	39.91785431	33.1438179	0.290629506	0.015193901	39.87349701	0.018118288	0.014376258	0.002131677	0.004336537	0.001936847	1.83935535	3.27604E-05	0.008743045	0.001523192	0.003363205	0.004976355
2119 Oct	0.003888795	0.094458491	1.45292E-05	39.22920609	32.51641083	0.284515172	0.014983349	39.28020096	0.017747389	0.014126054	0.002077624	0.004256589	0.001903645	1.805969715	3.23917E-05	0.008583117	0.001480521	0.003286984	0.004888626
2119 Nov	0.003842014	0.093158573	1.44475E-05	38.81217957	32.14535141	0.281257659	0.014863416	38.9606514	0.017519152	0.014032771	0.002047261	0.004207515	0.001883877	1.785912156	3.2215E-05	0.008482189	0.001459732	0.003248886	0.004833258
2119 Dec	0.003844088	0.093174398	1.44646E-05	38.85038757	32.173069	0.281545162	0.014892451	39.00898743	0.017528277	0.014055774	0.002048012	0.004210765	0.001886064	1.787385941	3.23044E-05	0.008488053	0.001460455	0.003251224	0.004837315

Appendix D.2-3: B6

Constituents	**Total Dissolved Solids**	**Ammonia**	**Nitrate**	**Nitrite**	**Chloride**	**Fluoride**	**Sulphate**	**Total Cyanide**	**Weakly Acid Dissociable Cyanide**	**Silver**	**Aluminum**	**Arsenic**	**Boron**	**Barium**	**Beryllium**	**Calcium**	**Cadmium**	**Cobalt**	**Chromium**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	34	0.0087	0.0049	0.00094	6.6	0.020	2.3	9.4E-04	9.4E-04	4.7E-06	5.5E-03	8.9E-04	8.4E-03	1.2E-02	4.7E-06	1.0E+01	5.5E-06	1.4E-04	1.0E-04
Operations (2020-2043): Mean	55	0.072	0.0090	0.0010	13	0.037	4.8	1.0E-03	1.0E-03	5.2E-06	7.6E-03	1.2E-03	1.1E-02	2.1E-02	5.2E-06	1.8E+01	1.6E-05	2.4E-04	2.2E-04
Operations (2020-2043): Max	96	0.11	0.02	0.0017	22	0.049	7.6	1.7E-03	1.7E-03	8.5E-06	1.1E-02	2.1E-03	1.7E-02	4.3E-02	8.5E-06	3.4E+01	2.8E-05	4.7E-04	6.6E-04
Active Closure (2044-2050): Min	35	0.0091	0.0051	0.0010	6.7	0.022	2.4	9.74E-04	9.7E-04	4.9E-06	5.7E-03	9.0E-04	8.8E-03	1.2E-02	4.9E-06	1.1E+01	7.9E-06	1.4E-04	1.0E-04
Active Closure (2044-2050): Mean	47	0.075	0.0060	0.0010	11	0.040	4.3	1.02E-03	1.0E-03	5.1E-06	7.6E-03	1.1E-03	1.1E-02	1.6E-02	5.1E-06	1.5E+01	1.4E-05	2.0E-04	1.3E-04
Active Closure (2044-2050): Max	63	0.11	0.014	0.0011	14	0.045	5.4	1.14E-03	1.1E-03	5.7E-06	8.4E-03	1.3E-03	1.2E-02	2.6E-02	5.7E-06	2.2E+01	2.2E-05	3.1E-04	3.6E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Post Closure (2051-2119): Min	47	0.032	0.0055	0.00088	10	0.021	3.7	8.82E-04	8.8E-04	4.4E-06	6.1E-03	1.0E-03	8.6E-03	1.7E-02	4.4E-06	1.5E+01	1.2E-05	1.9E-04	1.2E-04
Post Closure (2051-2119): Mean	64	0.060	0.013	0.0010	15	0.030	5.2	1.05E-03	1.0E-03	5.2E-06	7.4E-03	1.4E-03	1.0E-02	2.6E-02	5.2E-06	2.2E+01	1.9E-05	3.1E-04	3.4E-04
Post Closure (2051-2119): Max	77	0.079	0.017	0.0013	18	0.045	6.3	1.25E-03	1.3E-03	6.3E-06	8.8E-03	1.7E-03	1.2E-02	3.3E-02	6.3E-06	2.7E+01	2.4E-05	3.8E-04	4.4E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	89.97783661	0.069008239	0.022752197	0.001	21.22714615	0.02	7.250732899	0.001	0.001	5E-06	0.006674892	0.001832635	0.008449784	0.041854277	5E-06	33.62833405	2.12998E-05	0.000450035	0.000650077
2020 Feb	89.98526001	0.069016308	0.022754351	0.001	21.22924805	0.02	7.251451015	0.001	0.001	5E-06	0.006674786	0.001832767	0.008449571	0.041858472	5E-06	33.63159561	2.12996E-05	0.000450069	0.000650152
2020 Mar	90.00389862	0.069031872	0.022759216	0.001000163	21.23383522	0.020003263	7.253017426	0.001000163	0.001000163	5.00082E-06	0.006675818	0.001833137	0.008450838	0.041867536	5.00082E-06	33.63882828	2.1303E-05	0.000450161	0.000650298
2020 Apr	90.16586304	0.069156803	0.022800254	0.001001939	21.27215004	0.020038771	7.266105175	0.001001939	0.001001939	5.00969E-06	0.006687637	0.00183643	0.008465776	0.041943099	5.00969E-06	33.69950867	2.13408E-05	0.00045097	0.000651475
2020 May	91.66834259	0.070309408	0.023180209	0.001018627	21.62664986	0.020372545	7.387194157	0.001018627	0.001018627	5.09314E-06	0.00679902	0.00186703	0.008606766	0.042642079	5.09314E-06	34.26110458	2.1696E-05	0.000458484	0.000662333
2020 Jun	85.68593597	0.064171121	0.021486094	0.001005809	19.98547363	0.020116189	6.826761246	0.001005809	0.001005809	5.02905E-06	0.006782474	0.001757387	0.008636481	0.039376326	5.02905E-06	31.70407486	2.15282E-05	0.000430454	0.000605024
2020 Jul	85.61346436	0.063377447	0.021371579	0.00103073	19.87487793	0.020751461	6.792396545	0.00103073	0.00103073	5.15365E-06	0.006962553	0.001763771	0.008895419	0.039139878	5.15365E-06	31.53843117	2.19838E-05	0.00043036	0.000597929
2020 Aug	88.64570618	0.065579966	0.022089254	0.001072485	20.58053017	0.02179379	7.03678751	0.001072485	0.001072485	5.36242E-06	0.007229171	0.001829196	0.009267782	0.040496714	5.36242E-06	32.63830948	2.27165E-05	0.000445109	0.000617509
2020 Sep	86.17402649	0.065647013	0.021246657	0.001055424	20.04076004	0.022229832	6.869906425	0.001055424	0.001055424	5.27712E-06	0.007147491	0.00178068	0.009230375	0.03917627	5.27712E-06	31.6405735	2.20746E-05	0.000431137	0.000593152
2020 Oct	83.2647171	0.066337809	0.02022934	0.001034582	19.40843773	0.02273652	6.680156708	0.001034582	0.001034582	5.17291E-06	0.007074608	0.001722715	0.009162839	0.037615735	5.17291E-06	30.4595623	2.1405E-05	0.000414387	0.000564372
2020 Nov	82.40512848	0.066562645	0.019926621	0.00102853	19.22192574	0.022895191	6.624392986	0.00102853	0.00102853	5.14265E-06	0.007054274	0.001705604	0.009144625	0.037152961	5.14265E-06	30.10981369	2.12077E-05	0.000409422	0.000555806
2020 Dec	82.3854599	0.066573009	0.019919155	0.001028418	19.21773911	0.022901081	6.623192787	0.001028418	0.001028418	5.14209E-06	0.007054111	0.001705216	0.009144646	0.037141945	5.14209E-06	30.10160637	2.12033E-05	0.000409304	0.000555595
2021 Jan	82.38634491	0.066578627	0.019919051	0.001028421	19.2181282	0.022902476	6.623363972	0.001028421	0.001028421	5.1421E-06	0.007054196	0.001705231	0.009144766	0.037142273	5.1421E-06	30.10194588	2.1203E-05	0.000409305	0.000555596
2021 Feb	82.40007782	0.066590324	0.019922562	0.00102855	19.22148705	0.022905242	6.624515533	0.00102855	0.00102855	5.14275E-06	0.007055035	0.001705506	0.009145814	0.037148852	5.14275E-06	30.10721588	2.12056E-05	0.000409372	0.000555701
2021 Mar	82.43297577	0.066617236	0.01993062	0.001028938	19.22924423	0.022913814	6.627186298	0.001028938	0.001028938	5.14469E-06	0.007057668	0.001706181	0.009149206	0.037163898	5.14469E-06	30.11937332	2.12136E-05	0.000409535	0.000555929
2021 Apr	82.49394989	0.066666707	0.01994542	0.001029686	19.24351883	0.022930436	6.632102966	0.001029686	0.001029686	5.14843E-06	0.007062783	0.00170744	0.009155825	0.037191514	5.14843E-06	30.14172935	2.1229E-05	0.000409838	0.000556344
2021 May	83.4466629	0.067431465	0.020177193	0.0010414	19.46611023	0.023188096	6.708725452	0.0010414	0.0010414	5.207E-06	0.007142868	0.001727116	0.009259352	0.037622884	5.207E-06	30.49091721	2.14714E-05	0.000414575	0.000562831
2021 Jun	79.75652313	0.063102618	0.019187855	0.001031347	18.43888474	0.022774842	6.352617264	0.001031347	0.001031347	5.15673E-06	0.007111518	0.001658854	0.00923904	0.035642847	5.15673E-06	28.92779732	2.14024E-05	0.000397822	0.000528957
2021 Jul	80.38421631	0.062911324	0.019263981	0.001060028	18.51622009	0.023529474	6.383496761	0.001060028	0.001060028	5.30014E-06	0.007302309	0.001679493	0.009509945	0.035782784	5.30014E-06	29.05505943	2.18795E-05	0.000400849	0.000528138
2021 Aug	81.69628906	0.06383238	0.019518636	0.001085543	18.82219315	0.024402125	6.494096756	0.001085543	0.001085543	5.42772E-06	0.007449521	0.001711803	0.009752073	0.036325589	5.42772E-06	29.50478554	2.21502E-05	0.000406571	0.000534332
2021 Sep	79.03662872	0.063701577	0.018656015	0.001062187	18.2493515	0.024653088	6.313922882	0.001062187	0.001062187	5.31094E-06	0.007319197	0.001658296	0.009651288	0.034956273	5.31094E-06	28.46141243	2.1388E-05	0.000391734	0.000509908
2021 Oct	77.61462402	0.064476088	0.018130343	0.001051518	17.95347786	0.024992181	6.228848934	0.001051518	0.001051518	5.25759E-06	0.007289013	0.00162949	0.009623379	0.034182169	5.25759E-06	27.88218117	2.10349E-05	0.000383255	0.000495361
2021 Nov	77.75247955	0.064678743	0.018153824	0.001053773	17.98685455	0.025072489	6.241220951	0.001053773	0.001053773	5.26887E-06	0.007306617	0.001632432	0.00964716	0.034236219	5.26887E-06	27.92862129	2.10737E-05	0.00038387	0.000495994
2021 Dec	77.78864288	0.06471689	0.01816147	0.001054299	17.99535751	0.025087437	6.244244099	0.001054299	0.001054299	5.27149E-06	0.007310442	0.001633195	0.009652259	0.034251533	5.27149E-06	27.94132996	2.10836E-05	0.000384042	0.000496202
2022 Jan	77.79264832	0.064723141	0.018162251	0.001054342	17.99640656	0.025089199	6.244627953	0.001054342	0.001054342	5.27171E-06	0.007310777	0.001633275	0.009652697	0.034253307	5.27171E-06	27.94280624	2.10843E-05	0.00038406	0.000496227
2022 Feb	77.79653931	0.064726651	0.018163318	0.001054364	17.99741364	0.02508959	6.244970322	0.001054364	0.001054364	5.27182E-06	0.007310893	0.00163335	0.009652822	0.034255315	5.27182E-06	27.94439316	2.10848E-05	0.000384078	0.000496261
2022 Mar	77.81951141	0.064745903	0.018168768	0.001054658	18.00278664	0.025096528	6.246831417	0.001054658	0.001054658	5.27329E-06	0.007312916	0.001633828	0.009655476	0.034265593	5.27329E-06	27.95274734	2.10906E-05	0.000384192	0.000496412
2022 Apr	78.29107666	0.065138325	0.018278915	0.001061039	18.11190987	0.025248334	6.284694672	0.001061039	0.001061039	5.3052E-06	0.007357152	0.001643726	0.009713872	0.034473319	5.3052E-06	28.12219048	2.12182E-05	0.00038652	0.000499423
2022 May	79.37286377	0.066038385	0.018531503	0.001075696	18.36218262	0.025597092	6.371536255	0.001075696	0.001075696	5.37848E-06	0.007458779	0.001666437	0.009848051	0.03494969	5.37848E-06	28.51078987	2.15114E-05	0.00039186	0.000506325
2022 Jun	75.63558197	0.061482418	0.017560424	0.001062842	17.32036781	0.025012983	6.007842541	0.001062842	0.001062842	5.31421E-06	0.007407478	0.001596377	0.009792302	0.032971546	5.31421E-06	26.94204903	2.14377E-05	0.000375136	0.000473104
2022 Jul	66.53092194	0.051715344	0.015247756	0.000997643	15.00302505	0.023540925	5.212412357	0.000997643	0.000997643	4.98821E-06	0.006942832	0.001425533	0.009225984	0.028555591	4.98821E-06	23.37957573	1.99503E-05	0.000330488	0.000401216
2022 Aug	68.35451508	0.053029738	0.015605529	0.001032846	15.42222214	0.024690019	5.36319828	0.001032846	0.001032846	5.16423E-06	0.007154975	0.001469601	0.009563397	0.029301805	5.16423E-06	23.99972534	2.03801E-05	0.000338658	0.000409849
2022 Sep	67.22599792	0.053603534	0.015182951	0.001023268	15.20617008	0.025053406	5.299998283	0.001023268	0.001023268	5.11634E-06	0.007104183	0.001446613	0.009560352	0.028688857	5.11634E-06	23.55125999	1.99509E-05	0.000331863	0.000398109
2022 Oct	66.19741821	0.054395717	0.014803801	0.00101261	15.00599194	0.025253359	5.243907452	0.00101261	0.00101261	5.06305E-06	0.007065174	0.001424722	0.009512601	0.028146593	5.06305E-06	23.14609909	1.96421E-05	0.000325614	0.000388143
2022 Nov	66.38195038	0.054593235	0.014840892	0.001015575	15.04874897	0.025340354	5.259237766	0.001015575	0.001015575	5.07788E-06	0.007086852	0.001428701	0.009541923	0.028222119	5.07788E-06	23.20934868	1.96968E-05	0.000326488	0.000389115
2022 Dec	66.40913391	0.054624002	0.014846201	0.001016017	15.05507946	0.025353773	5.261521339	0.001016017	0.001016017	5.08009E-06	0.007090117	0.001429287	0.009546344	0.028233133	5.08009E-06	23.21861458	1.97048E-05	0.000326616	0.000389254
2023 Jan	66.41230774	0.054629698	0.014846808	0.001016044	15.05595398	0.025355142	5.261844158	0.001016044	0.001016044	5.08022E-06	0.007090343	0.001429348	0.009546629	0.028234581	5.08022E-06	23.21982384	1.97052E-05	0.000326629	0.000389274
2023 Feb	66.41631317	0.054633312	0.014847916	0.001016065	15.05699444	0.025355484	5.262197971	0.001016065	0.001016065	5.08032E-06	0.007090448	0.001429424	0.009546737	0.028236663	5.08032E-06	23.22146416	1.97056E-05	0.000326649	0.00038931
2023 Mar	66.42298889	0.054638974	0.014849524	0.001016145	15.05857944	0.025357386	5.262746334	0.001016145	0.001016145	5.08072E-06	0.007090986	0.001429562	0.009547441	0.028239708	5.08072E-06	23.22392845	1.97072E-05	0.000326681	0.000389356
2023 Apr	66.64853668	0.054824606	0.014900014	0.001019582	15.10975456	0.02544312	5.280627728	0.001019582	0.001019582	5.09791E-06	0.007114964	0.001434413	0.009579715	0.028335717	5.09791E-06	23.30286217	1.97738E-05	0.00032779	0.000390681
2023 May	67.69454193	0.055649314	0.015152704	0.001032893	15.35281944	0.02573988	5.364376068	0.001032893	0.001032893	5.16446E-06	0.007205678	0.001456183	0.009698014	0.028806165	5.16446E-06	23.68409157	2.00452E-05	0.000332988	0.00039769
2023 Jun	65.80239868	0.052798245	0.014818119	0.001007837	14.84884548	0.024587657	5.176924706	0.001007837	0.001007837	5.03919E-06	0.007039603	0.001414985	0.009444069	0.027982507	5.03919E-06	22.99297714	1.98229E-05	0.000325366	0.000387352
2023 Jul	64.32064056	0.050640482	0.014414084	0.001009035	14.42365074	0.024599234	5.031637192	0.001009035	0.001009035	5.04517E-06	0.007042747	0.001391315	0.009461356	0.027185436	5.04517E-06	22.35437584	1.97995E-05	0.000318275	0.000373065
2023 Aug	66.02320099	0.051819656	0.014751546	0.001042376	14.81018639	0.025656821	5.171416759	0.001042376	0.001042376	5.21188E-06	0.007245441	0.001432877	0.009769051	0.027886499	5.21188E-06	22.9321804	2.02286E-05	0.000325868	0.00038124
2023 Sep	66.1929245	0.052509509	0.014705008	0.001049603	14.87126064	0.026182178	5.196805954	0.001049603	0.001049603	5.24801E-06	0.007289541	0.001437668	0.009896654	0.027886331	5.24801E-06	22.96511269	2.01717E-05	0.000326142	0.000379368
2023 Oct	65.885849	0.053193215	0.014555012	0.001047182	14.82190609	0.026380157	5.187251091	0.001047182	0.001047182	5.23591E-06	0.007292759	0.001431005	0.00990244	0.027701315	5.23591E-06	22.83510208	2.00709E-05	0.000323963	0.000375511
2023 Nov	66.08139038	0.053483531	0.014586529	0.001050639	14.86869907	0.026504075	5.204724789	0.001050639	0.001050639	5.2532E-06	0.007319693	0.001435253	0.009939212	0.027775578	5.2532E-06	22.89951897	2.01294E-05	0.00032483	0.000376326
2023 Dec	66.10456085	0.053512745	0.014590722	0.001051035	14.87413502	0.02651697	5.206714153	0.001051035	0.001051035	5.25518E-06	0.007322677	0.001435757	0.009943281	0.027784692	5.25518E-06	22.9072876	2.01364E-05	0.000324936	0.000376435
2024 Jan	66.10641479	0.053518157	0.014591022	0.001051034	14.87475586	0.026517773	5.206951618	0.001051034	0.001051034	5.25517E-06	0.007322713	0.001435787	0.009943302	0.027785625	5.25517E-06	22.90807152	2.01362E-05	0.000324942	0.000376449
2024 Feb	66.11001587	0.053521551	0.0145921	0.001051037	14.87574196	0.026517615	5.207283497	0.001051037	0.001051037	5.25518E-06	0.007322686	0.001435851	0.009943216	0.027787643	5.25518E-06	22.90963936	2.01362E-05	0.00032496	0.000376485
2024 Mar	66.17658234	0.053575706	0.014606948	0.001052065	14.89081669	0.026543446	5.212553501	0.001052065	0.001052065	5.26033E-06	0.007329828	0.001437289	0.009952889	0.027815899	5.26033E-06	22.93288231	2.0156E-05	0.000325287	0.000376873
2024 Apr	66.30699921	0.053681429	0.014635819	0.001054122	14.92021465	0.026595272	5.222840309	0.001054122	0.001054122	5.27061E-06	0.007344144	0.001440118	0.009972313	0.027870867	5.27061E-06	22.9781723	2.01954E-05	0.000325928	0.000377621
2024 May	67.47962952	0.054544453	0.014959725	0.001063077	15.20614719	0.026703523	5.318883896	0.001063077	0.001063077	5.31539E-06	0.007399959	0.001462849	0.010034291	0.02845454	5.31539E-06	23.43961143	2.0414E-05	0.000331866	0.000387397
2024 Jun	66.62821198	0.053065497	0.014989547	0.001024584	15.04134274	0.025168305	5.245082855	0.001024584	0.001024584	5.12292E-06	0.007119559	0.001436481	0.009599741	0.028336149	5.12292E-06	23.28197479	1.99332E-05	0.00032893	0.00039139
2024 Jul	69.34148407	0.054965161	0.015579498	0.001072829	15.6311245	0.026364395	5.45197773	0.001072829	0.001072829	5.36415E-06	0.007451356	0.00149746	0.010051146	0.029448004	5.36415E-06	24.19894409	2.08453E-05	0.000342309	0.000405831
2024 Aug	71.31959534	0.056569334	0.01597587	0.001108219	16.0875721	0.027473817	5.613386631	0.001108219	0.001108219	5.5411E-06	0.007676873	0.00154262	0.010412348	0.030248994	5.5411E-06	24.87313843	2.13399E-05	0.000351605	0.000415495
2024 Sep	70.21451569	0.056987125	0.015578864	0.001097748	15.87492085	0.027756413	5.54957962	0.001097748	0.001097748	5.48874E-06	0.007615932	0.001519872	0.010394248	0.02966311	5.48874E-06	24.44147491	2.09093E-05	0.000345072	0.000404525
2024 Oct	70.06127167	0.057847288	0.01545709	0.001098143	15.86038399	0.028039627	5.552749634	0.001098143	0.001098143	5.49072E-06	0.007640324	0.001516615	0.01042822	0.029537672	5.49072E-06	24.36206245	2.08608E-05	0.000343611	0.000401365
2024 Nov	69.97960663	0.058298551	0.015392831	0.001098334	15.85249043	0.028188068	5.554328442	0.001098334	0.001098334	5.49167E-06	0.007653026	0.001514878	0.010445913	0.029471265	5.49167E-06	24.31993103	2.08349E-05	0.000342838	0.000399698
2024 Dec	70.01049805	0.058337934	0.015398409	0.001098857	15.85976791	0.028205276	5.556991577	0.001098857	0.001098857	5.49429E-06	0.007656972	0.001515548	0.01045131	0.029483434	5.49429E-06	24.33030701	2.08441E-05	0.00034298	0.000399843
2025 Jan	70.01307678	0.058344588	0.015398853	0.001098862	15.86058331	0.028206369	5.557301044	0.001098862	0.001098862	5.49431E-06	0.007657062	0.001515592	0.010451393	0.029484699	5.49431E-06	24.33136749	2.0844E-05	0.000342989	0.000399862
2025 Feb	70.02357483	0.058353733	0.015401505	0.001098963	15.86316109	0.028208673	5.558187485	0.001098963	0.001098963	5.49482E-06	0.007657712	0.001515803	0.010452221	0.029489715	5.49482E-06	24.33538818	2.08459E-05	0.00034304	0.000399941
2025 Mar	70.03878021	0.058366619	0.015405036	0.001099167	15.86671352	0.028213749	5.559423447	0.001099167	0.001099167	5.49584E-06	0.007659102	0.001516123	0.010454088	0.029496441	5.49584E-06	24.34087372	2.08498E-05	0.000343114	0.000400038
2025 Apr	70.10605621	0.058422808	0.01541994	0.001100203	15.88201714	0.028240252	5.564780235	0.001100203	0.001100203	5.50102E-06	0.007666306	0.001517575	0.0104639	0.029524961	5.50102E-06	24.36437225	2.08695E-05	0.000343444	0.000400428
2025 May	71.21369934	0.059345882	0.015663614	0.001117578	16.1329689	0.028686181	5.652707577	0.001117578	0.001117578	5.58789E-06	0.007787367	0.00154155	0.010629131	0.029991517	5.58789E-06	24.74936485	2.11991E-05	0.00034887	0.000406757

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 Jun	68.29136658	0.055524025	0.01496051	0.001102493	15.31349182	0.027901698	5.362090588	0.001102493	0.001102493	5.51246E-06	0.007716027	0.001484693	0.010519936	0.028490858	5.51246E-06	23.54657745	2.11604E-05	0.0003363	0.000382767
2025 Jul	64.98014069	0.051145922	0.014143524	0.001086958	14.4066143	0.027276251	5.045874596	0.001086958	0.001086958	5.43479E-06	0.007614136	0.001424095	0.010382256	0.02682651	5.43479E-06	22.20100975	2.09363E-05	0.00032102	0.000355506
2025 Aug	95.89054871	0.0791713	0.01961449	0.001690207	21.68868256	0.048771642	7.615373611	0.001690207	0.001690207	8.45103E-06	0.011384944	0.002133258	0.017343754	0.038443726	8.45103E-06	32.41276169	2.77112E-05	0.000465503	0.000475676
2025 Sep	68.22717285	0.085791834	0.010880791	0.001308269	16.33742332	0.048788831	5.960114479	0.001308269	0.001308269	6.54134E-06	0.009118475	0.001530661	0.014954667	0.02514812	6.54134E-06	22.26170731	1.71217E-05	0.00030719	0.000251481
2025 Oct	56.97168732	0.101184919	0.00715991	0.001105004	14.11260891	0.045926332	5.391740322	0.001105004	0.001105004	5.52502E-06	0.008638356	0.001256123	0.012765301	0.020002918	5.52502E-06	18.11971474	1.56323E-05	0.000238157	0.00017432
2025 Nov	55.15713882	0.103508547	0.006570346	0.001072168	13.75142193	0.045437131	5.297891617	0.001072168	0.001072168	5.36084E-06	0.008555478	0.001211982	0.01241086	0.019178765	5.36084E-06	17.4544754	1.53851E-05	0.000227126	0.000162072
2025 Dec	55.18045425	0.10361027	0.006569344	0.001072646	13.75815678	0.045466509	5.300945282	0.001072646	0.001072646	5.36323E-06	0.008561105	0.001212451	0.01241665	0.019184915	5.36323E-06	17.46093178	1.53942E-05	0.000227186	0.00016207
2026 Jan	55.24279404	0.103646301	0.006590458	0.001072605	13.77445221	0.045452069	5.30625248	0.001072605	0.001072605	5.36302E-06	0.008559909	0.001213549	0.012412988	0.019221598	5.36302E-06	17.48866081	1.53983E-05	0.000227505	0.000162774
2026 Feb	55.32979965	0.103674345	0.006621036	0.001072587	13.79675674	0.045430101	5.313327789	0.001072587	0.001072587	5.36294E-06	0.008557794	0.001215111	0.012408351	0.019273045	5.36294E-06	17.52744293	1.54034E-05	0.000227964	0.000163765
2026 Mar	55.43420029	0.10379643	0.006644516	0.001073682	13.82312298	0.045464933	5.322657108	0.001073682	0.001073682	5.36841E-06	0.008565459	0.001217214	0.012418609	0.019320929	5.36841E-06	17.5666275	1.5422E-05	0.000228449	0.000164474
2026 Apr	55.72411728	0.104297318	0.006685535	0.001078768	13.89560699	0.045673676	5.350096226	0.001078768	0.001078768	5.39384E-06	0.008605415	0.001223472	0.012476051	0.019428547	5.39384E-06	17.66198921	1.54968E-05	0.000229675	0.000165562
2026 May	57.96336365	0.105038166	0.007369603	0.0010963	14.41220474	0.045641422	5.516963482	0.0010963	0.0010963	5.4815E-06	0.008700049	0.001267661	0.012570654	0.020573802	5.4815E-06	18.54948616	1.59872E-05	0.000241652	0.000185521
2026 Jun	50.37695313	0.039354607	0.010232459	0.00099439	10.50569153	0.02416053	3.696582079	0.00099439	0.00099439	4.97195E-06	0.007340477	0.001122033	0.009906168	0.019105341	4.97195E-06	16.1541996	2.0546E-05	0.000255715	0.000229279
2026 Jul	41.66246796	0.019468494	0.007931183	0.001048185	8.005986214	0.026673337	2.876441002	0.001048185	0.001048185	5.24092E-06	0.00718223	0.001044418	0.009921809	0.014891693	5.24092E-06	12.53335571	1.9002E-05	0.000205056	0.000146508
2026 Aug	39.32103729	0.019214379	0.006333809	0.001050031	8.591043472	0.037132546	3.249328375	0.001050031	0.001050031	5.25016E-06	0.005917483	0.00111353	0.009659167	0.014866941	5.25016E-06	12.38432312	9.82363E-06	0.000156369	0.000118858
2026 Sep	43.41253281	0.045474231	0.006066752	0.001046991	10.1024971	0.040378872	3.843131304	0.001046991	0.001046991	5.23495E-06	0.006604088	0.001123459	0.010707315	0.015673367	5.23495E-06	13.64572048	1.06568E-05	0.000174315	0.000121053
2026 Oct	48.37140656	0.090188257	0.005327281	0.001011222	12.00213242	0.043309107	4.696153164	0.001011222	0.001011222	5.05611E-06	0.007847095	0.00110984	0.011294946	0.016631836	5.05611E-06	15.09994507	1.35226E-05	0.000190807	0.000126551
2026 Nov	48.66560364	0.091107816	0.005346233	0.001015914	12.08213043	0.04355672	4.728602409	0.001015914	0.001015914	5.07957E-06	0.007899408	0.001115257	0.011357676	0.016725181	5.07957E-06	15.19080162	1.36204E-05	0.000191936	0.000127242
2026 Dec	48.70744705	0.091270261	0.005347781	0.001016457	12.09410667	0.043590594	4.733549595	0.001016457	0.001016457	5.08228E-06	0.007907241	0.001115914	0.01136609	0.016737791	5.08228E-06	15.20364189	1.36356E-05	0.000192093	0.000127334
2027 Jan	48.8142395	0.091350846	0.005382044	0.001016485	12.12198353	0.043571603	4.742650986	0.001016485	0.001016485	5.08243E-06	0.007906726	0.001117735	0.011362748	0.016797749	5.08243E-06	15.24988365	1.36455E-05	0.000192648	0.000128462
2027 Feb	48.95013809	0.091405407	0.005428856	0.001016495	12.15684509	0.043539811	4.753727436	0.001016495	0.001016495	5.08247E-06	0.007904154	0.001120141	0.01135683	0.016876731	5.08247E-06	15.30987263	1.36549E-05	0.000193369	0.000129976
2027 Mar	49.07212067	0.091524661	0.005459673	0.001017496	12.18774319	0.043565147	4.764418602	0.001017496	0.001017496	5.08748E-06	0.007910497	0.001122548	0.01136473	0.016936289	5.08748E-06	15.35754871	1.36734E-05	0.000193951	0.000130927
2027 Apr	49.49245071	0.092246503	0.005516335	0.001025334	12.29248428	0.0438907	4.80456686	0.001025334	0.001025334	5.12667E-06	0.007970611	0.001131943	0.011450399	0.017091375	5.12667E-06	15.49454784	1.37816E-05	0.00019567	0.000132408
2027 May	53.00270081	0.093062192	0.006646419	0.001047819	13.09961033	0.04353115	5.0593009	0.001047819	0.001047819	5.2391E-06	0.008081607	0.001199133	0.011543757	0.018930163	5.2391E-06	16.91085815	1.45363E-05	0.000215019	0.000165582
2027 Jun	38.07759857	0.017493285	0.007312814	0.0009954	6.720431805	0.021563897	2.340025425	0.0009954	0.0009954	4.977E-06	0.007416463	0.000906791	0.009993234	0.012445882	4.977E-06	10.79574871	2.1702E-05	0.000205758	0.000117811
2027 Jul	37.87085724	0.010416874	0.007056699	0.001074608	6.684681416	0.026008455	2.395423412	0.001074608	0.001074608	5.37304E-06	0.007380316	0.000985875	0.010180308	0.012673923	5.37304E-06	10.74594784	2.00347E-05	0.000191443	0.000107807
2027 Aug	41.12857437	0.021330127	0.006818196	0.001093971	8.448951721	0.034254421	3.060187578	0.001093971	0.001093971	5.46986E-06	0.00688985	0.001073019	0.011214805	0.01413698	5.46986E-06	12.31078243	1.4561E-05	0.000190459	0.000109612
2027 Sep	47.38907623	0.072594203	0.00581397	0.001037044	11.45179939	0.042209405	4.33801651	0.001037044	0.001037044	5.18522E-06	0.007472677	0.00110182	0.01204114	0.016020812	5.18522E-06	14.68904686	1.2666E-05	0.000199422	0.00011852
2027 Oct	49.55363846	0.097577594	0.005278105	0.001009875	12.3899641	0.04382275	4.829736233	0.001009875	0.001009875	5.04937E-06	0.008095659	0.001103027	0.011750335	0.01670908	5.04937E-06	15.40220737	1.40969E-05	0.000199069	0.000125355
2027 Nov	49.93251801	0.100260749	0.005246812	0.001010932	12.52180386	0.044129681	4.892909527	0.001010932	0.001010932	5.05466E-06	0.008182738	0.001107069	0.011765007	0.016832946	5.05466E-06	15.52374268	1.42809E-05	0.000199746	0.000126441
2027 Dec	49.97097397	0.100422211	0.005247737	0.001011421	12.53306198	0.044162445	4.897819519	0.001011421	0.001011421	5.0571E-06	0.008190135	0.00110773	0.011770799	0.01684574	5.0571E-06	15.53586292	1.42952E-05	0.000199863	0.000126544
2028 Jan	50.08483505	0.100478314	0.00528666	0.001011388	12.56249523	0.044135541	4.907300949	0.001011388	0.001011388	5.05694E-06	0.008188038	0.001109742	0.011764826	0.016912382	5.05694E-06	15.58630466	1.43033E-05	0.000200456	0.000127822
2028 Feb	50.2450676	0.100537911	0.005341366	0.00101152	12.60338497	0.044102907	4.920355797	0.00101152	0.00101152	5.0576E-06	0.008185538	0.001112651	0.011758674	0.017005138	5.0576E-06	15.65666485	1.43147E-05	0.000201297	0.000129582
2028 Mar	50.34265137	0.100592293	0.005372073	0.001011814	12.62823963	0.044095039	4.928489685	0.001011814	0.001011814	5.05907E-06	0.008185998	0.001114466	0.011757952	0.017058959	5.05907E-06	15.69809914	1.4324E-05	0.000201795	0.00013056
2028 Apr	50.6186142	0.101065218	0.00541285	0.00101643	12.6976738	0.044284649	4.954713345	0.00101643	0.00101643	5.08215E-06	0.008222271	0.001120383	0.01180928	0.017164057	5.08215E-06	15.79029655	1.43922E-05	0.000202961	0.000131681
2028 May	51.65526581	0.103074715	0.005531528	0.001036687	12.95737267	0.04515611	5.055439472	0.001036687	0.001036687	5.18344E-06	0.008385343	0.001143215	0.012042888	0.017522931	5.18344E-06	16.11743736	1.46822E-05	0.000207165	0.000134641
2028 Jun	37.47063828	0.01980887	0.006882831	0.001000786	6.622248173	0.022542536	2.328717232	0.001000786	0.001000786	5.00393E-06	0.007521603	0.000894611	0.01017577	0.011929135	5.00393E-06	10.46408653	2.1619E-05	0.000201026	0.000105233
2028 Jul	38.05038834	0.010438592	0.007051001	0.001081966	6.761176109	0.026624981	2.43301487	0.001081966	0.001081966	5.40983E-06	0.007371248	0.000997532	0.010196846	0.012805616	5.40983E-06	10.8327837	1.97726E-05	0.000190355	0.00010827
2028 Aug	41.60884857	0.016449757	0.007244273	0.001147779	8.048010826	0.032677047	2.922554255	0.001147779	0.001147779	5.7389E-06	0.007434519	0.001099556	0.01118519	0.01428025	5.7389E-06	12.21541309	1.7564E-05	0.000197103	0.000114839
2028 Sep	45.99287033	0.055465881	0.006404246	0.001097181	10.24563885	0.038491432	3.876421213	0.001097181	0.001097181	5.48591E-06	0.007842932	0.001116057	0.01162809	0.01563653	5.48591E-06	13.91456127	1.60898E-05	0.00020092	0.000121324
2028 Oct	50.78411484	0.107233882	0.005162477	0.001014007	12.77764416	0.044534892	5.034513474	0.001014007	0.001014007	5.07003E-06	0.008469759	0.001115298	0.011697004	0.017115265	5.07003E-06	15.76729679	1.51731E-05	0.000200937	0.000129676
2028 Nov	51.07210159	0.109258302	0.005132965	0.001013675	12.89521027	0.044850074	5.086292267	0.001013675	0.001013675	5.06838E-06	0.008511933	0.001118019	0.011728152	0.017207697	5.06838E-06	15.86912727	1.51793E-05	0.000201433	0.000130279
2028 Dec	51.10477829	0.109342001	0.005135675	0.001014265	12.90390015	0.044879377	5.089771748	0.001014265	0.001014265	5.07132E-06	0.00851732	0.001118699	0.011735312	0.017218661	5.07132E-06	15.87940025	1.51882E-05	0.000201555	0.000130361
2029 Jan	51.18799973	0.10936331	0.005165312	0.001014232	12.92523193	0.044857327	5.09647274	0.001014232	0.001014232	5.07116E-06	0.008514959	0.00112019	0.011730871	0.017268069	5.07116E-06	15.91665077	1.51922E-05	0.000201999	0.000131317
2029 Feb	51.30072021	0.109385893	0.005205709	0.001014214	12.95392227	0.044827204	5.105444908	0.001014214	0.001014214	5.07107E-06	0.008511791	0.001122226	0.011725017	0.017335	5.07107E-06	15.96704292	1.5198E-05	0.000202602	0.000132612
2029 Mar	51.37847137	0.109433107	0.005229367	0.001014529	12.97367954	0.044825107	5.111959934	0.001014529	0.001014529	5.07264E-06	0.008512782	0.001123693	0.011725571	0.01737698	5.07264E-06	15.99957943	1.52061E-05	0.000202996	0.00013336
2029 Apr	51.5104866	0.10964682	0.005251777	0.00101644	13.00708485	0.044900432	5.124399185	0.00101644	0.00101644	5.0822E-06	0.008527878	0.001126447	0.011745902	0.017430568	5.0822E-06	16.04543495	1.52366E-05	0.000203566	0.000134013
2029 May	52.73334503	0.110425666	0.005579098	0.001028938	13.29392433	0.045093942	5.220811367	0.001028938	0.001028938	5.14469E-06	0.008607202	0.001151159	0.011844068	0.018015053	5.14469E-06	16.51026726	1.55166E-05	0.000209804	0.000143414
2029 Jun	46.96109009	0.058631815	0.007459002	0.001008282	10.21401787	0.031024087	3.790881395	0.001008282	0.001008282	5.04141E-06	0.007873654	0.001056631	0.010661206	0.016347533	5.04141E-06	14.39802074	1.9216E-05	0.000221215	0.000157891
2029 Jul	35.23348236	0.009621479	0.005916742	0.001025611	7.079826832	0.032697607	2.717752695	0.001025611	0.001025611	5.12806E-06	0.005965734	0.001038522	0.008742336	0.013200861	5.12806E-06	10.72484875	1.1938E-05	0.000141989	0.000103305
2029 Aug	39.34236908	0.021389162	0.005872072	0.001060432	8.953486443	0.040730964	3.395249844	0.001060432	0.001060432	5.30216E-06	0.005689356	0.001129919	0.01014613	0.014756895	5.30216E-06	12.46784115	7.35912E-06	0.000149542	0.000106268
2029 Sep	45.41411209	0.061101235	0.005656485	0.001044309	11.03297234	0.043547835	4.21979475	0.001044309	0.001044309	5.22154E-06	0.006867984	0.001130643	0.01138991	0.0159903	5.22154E-06	14.29184532	1.0055E-05	0.000179443	0.000116134
2029 Oct	48.4595871	0.089688495	0.005273702	0.001016656	12.10315609	0.044240795	4.723025799	0.001016656	0.001016656	5.08328E-06	0.007762172	0.001115993	0.011504175	0.016623203	5.08328E-06	15.15231991	1.27939E-05	0.000190451	0.000123573
2029 Nov	49.04777527	0.09428253	0.005228627	0.001015014	12.2973423	0.044458959	4.811879158	0.001015014	0.001015014	5.07507E-06	0.007918454	0.001116589	0.011550835	0.016762074	5.07507E-06	15.32221794	1.32447E-05	0.000192616	0.000125023
2029 Dec	49.07867432	0.094396807	0.005230212	0.001015434	12.30582905	0.044481974	4.815403938	0.001015434	0.001015434	5.07717E-06	0.007924413	0.00111709	0.011556656	0.016771648	5.07717E-06	15.33164883	1.32577E-05	0.000192735	0.000125101
2030 Jan	49.15819168	0.094448462	0.005256671	0.001015414	12.3263731	0.044463534	4.822050095	0.001015414	0.001015414	5.07707E-06	0.007923633	0.001118444	0.011553179	0.016817125	5.07707E-06	15.3664093	1.32655E-05	0.000193154	0.000125971
2030 Feb	49.27293396	0.094506644	0.005294067	0.00101563	12.35562515	0.044447094	4.831514359	0.00101563	0.00101563	5.07815E-06	0.007923246	0.001120531	0.011550761	0.016881598	5.07815E-06	15.41580105	1.32759E-05	0.00019375	0.000127169
2030 Mar	49.36448669	0.094594158	0.005317542	0.001016347	12.37884331	0.044464421	4.839519024	0.001016347	0.001016347	5.08174E-06	0.00792772	0.001122329	0.011556273	0.016926657	5.08174E-06	15.45178604	1.32894E-05	0.000194189	0.000127896
2030 Apr	49.54174805	0.094883583	0.00534442	0.00101933	12.42344475	0.044586852	4.856342793	0.00101933	0.00101933	5.09665E-06	0.007950339	0.001126197	0.01158867	0.016995253	5.09665E-06	15.51146221	1.33307E-05	0.000194931	0.000128636
2030 May	50.6828537	0.096933536	0.005485109	0.001041607	12.7081089	0.045531329	4.966211319	0.001041607	0.001041607	5.20804E-06	0.008122588	0.001151838	0.011838081	0.017401941	5.20804E-06	15.87640858	1.36322E-05	0.000199547	0.000132171
2030 Jun	38.59073639	0.022411935	0.007101953	0.000997546	7.02878809	0.023125632	2.482753754	0.000997546	0.000997546	4.98773E-06	0.007461039	0.000916699	0.010123665	0.012593397	4.98773E-06	10.99389267	2.11567E-05	0.000203957	0.000115622
2030 Jul	35.42045975	0.00944873	0.006279358	0.001020117	6.674726009	0.028624333	2.482276917	0.001020117	0.001020117	5.10059E-06	0.006457299	0.000984223	0.009167464	0.012559157	5.10059E-06	10.41018295	1.53942E-05	0.000160937	0.000102152
2030 Aug	37.65633011	0.014905681	0.005970536	0.001059689	8.068092346	0.037182938	3.081348181	0.001059689	0.001059689	5.29845E-06	0.005903597	0.001100813	0.009519335	0.014151754	5.29845E-06	11.70583153	9.8062E-06	0.000146619	0.00010603
2030 Sep	41.38694	0.029911166	0.006096411	0.001085925	9.281630516	0.040212981	3.527845621	0.001085925	0.001085925	5.42963E-06	0.006386004	0.001139457	0.01054261	0.015124267	5.42963E-06	12.90706539	1.0192E-05	0.000164081	0.000111935
2030 Oct	45.97271729	0.071662389	0.005488203	0.001033209	11.09546947	0.042313337	4.318386078	0.001033209	0.001033209	5.16604E-06	0.007408009	0.001115012	0.011018189	0.01605423	5.16604E-06	14.32187748	1.25524E-05	0.000180984	0.000120192
2030 Nov	47.10233307	0.081826359	0.005342411	0.001020766	11.53980827	0.042838112	4.511865139	0.001020766	0.001020766	5.10383E-06	0.007658773	0.001109464	0.011137512	0.016285647	5.10383E-06	14.67043591	1.313E-05	0.000185152	0.000122239
2030 Dec	47.13383484	0.081966631	0.005343127	0.001021064	11.54927444	0.042861518	4.515772343	0.001021064	0.001021064	5.10532E-06	0.007664595	0.00110987	0.011143419	0.016294878	5.10532E-06	14.68021393	1.31415E-05	0.000185273	0.000122312
2031 Jan	47.21273804	0.08204028	0.005367798	0.001021042	11.57015419	0.042847756	4.522641659	0.001021042	0.001021042	5.10521E-06	0.007664439	0.001111166	0.011141063	0.016338661	5.10521E-06	14.71426201	1.31492E-05	0.000185683	0.000123135
2031 Feb	47.31207275	0.082087673	0.005401675	0.001021026	11.59578705	0.042824645	4.530815601	0.001021026	0.001021026	5.10513E-06	0.007662678	0.001112897	0.011136789	0.016396124	5.10513E-06	14.75805187	1.31563E-05	0.000186209	0.000124236
2031 Mar	47.38394547	0.082144327	0.005422152	0.001021401	11.61410236	0.042828154	4.536969185	0.001021401	0.001021401	5.10701E-06	0.007664598	0.001114258	0.011138647	0.016433576	5.10701E-06	14.78744221	1.31651E-05	0.000186566	0.000124882
2031 Apr	47.72237396	0.082692087	0.005467899	0.001028023	11.6974535	0.04309883	4.568955898	0.001028023	0.001028023	5.14012E-06	0.007713779	0.001122028	0.011209586	0.016558124	5.14012E-06	14.89704609	1.32527E-05	0.00018794	0.000126036
2031 May	54.53080368	0.08244177	0.007973321	0.001044553	13.25172138	0.040753044	5.031774521	0.001044553	0.001044553	5.22277E-06	0.007722904	0.001242873	0.011049545	0.02039534	5.22277E-06	17.79085732	1.46242E-05	0.000228018	0.000201214
2031 Jun	61.22802734	0.048890747	0.013383557	0.001019432	13.49134254	0.024757965	4.720213413	0.001019432	0.001019432	5.09716E-06	0.007281527	0.001331296	0.009726676	0.025205432	5.09716E-06	20.86265945	2.04999E-05	0.000304947	0.000336315
2031 Jul	52.76459885	0.032189619	0.010847232	0.001102661	10.91177559	0.02774621	3.869957924	0.001102661	0.001102661	5.51331E-06	0.007585407	0.001243995	0.010354335	0.020459503	5.51331E-06	17.00223923	2.04484E-05	0.000259518	0.000240525
2031 Aug	46.58894348	0.029972106	0.008177321	0.001080881	10.33187485	0.036326975	3.773175955	0.001080881	0.001080881	5.40441E-06	0.006498066	0.001195624	0.010637563	0.017712146	5.40441E-06	14.99124813	1.23955E-05	0.000204248	0.000169063
2031 Sep	48.65906525	0.076790854	0.006010247	0.001022504	12.00583839	0.043063022	4.546964169	0.001022504	0.001022504	5.11252E-06	0.007316352	0.001122759	0.011955819	0.01680235	5.11252E-06	15.34379578	1.16805E-05	0.000201917	0.000130618
2031 Oct	50.4825325	0.108773828	0.005040392	0.000993838	12.81784439	0.044488776	5.052119255	0.000993838	0.000993838	4.96919E-06	0.008338576	0.001102191	0.011581677	0.01703178	4.96919E-06	15.7295351	1.46175E-05	0.000198563	0.000129016
2031 Nov	50.62026215	0.109438188	0.00503905	0.000995704	12.8573885	0.044607781	5.070130825	0.000995704	0.000995704	4.97852E-06	0.008370774	0.001104407	0.011602892	0.017073194	4.97852E-06	15.77005863	1.4689E-05	0.000198967	0.000129286
2031 Dec	50.64094162	0.109491274	0.005040764	0.000996091	12.86274433	0.044625945	5.072298527	0.000996091	0.000996091	4.98046E-06	0.008374408	0.00110484	0.011607394	0.01708005	4.98046E-06	15.77644634	1.46957E-05	0.000199045	0.000129337
2032 Jan	50.72290802	0.109515294	0.005069309	0.000996138	12.88357735	0.044607248	5.0788908	0.000996138	0.000996138	4.98069E-06	0.008372799	0.001106329	0.011603897	0.01712792	4.98069E-06	15.81264305	1.47012E-05	0.000199479	0.000130252
2032 Feb	50.83207321	0.109537549	0.005108262	0.000996149	12.91127396	0.044578899	5.087564468	0.000996149	0.000996149	4.98074E-06	0.008369975	0.001108308	0.011598498	0.017192498	4.98074E-06	15.86128044	1.47074E-05	0.000200063	0.000131498
2032 Mar	50.91441345	0.109599859	0.005131661	0.000996612	12.93217087	0.044584043	5.09458828	0.000996612	0.000996612	4.98306E-06	0.008372293	0.001109886	0.011600905	0.017235296	4.98306E-06	15.89485073	1.47176E-05	0.00020047	0.000132232
2032 Apr	51.14080811	0.110023104	0.005162902	0.001000403	12.98966503	0.044744942	5.116563797	0.001000403	0.001000403	5.00202E-06	0.008403261	0.001114701	0.011643368	0.017320257	5.00202E-06	15.96991348	1.47754E-05	0.000201408	0.00013311

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 May	52.56181335	0.111596502	0.005469613	0.001019066	13.33148575	0.045286451	5.237944603	0.001019066	0.001019066	5.09533E-06	0.008539481	0.001144125	0.011822585	0.017937874	5.09533E-06	16.48003006	1.51277E-05	0.000208143	0.000141787
2032 Jun	39.25831985	0.023891682	0.007334735	0.000986523	7.227747917	0.022603959	2.549248695	0.000986523	0.000986523	4.93261E-06	0.007428349	0.000921794	0.009992397	0.013010397	4.93261E-06	11.31507397	2.12474E-05	0.000207662	0.000124941
2032 Jul	34.20097733	0.00874441	0.005732116	0.001000847	6.884852409	0.032123148	2.648723841	0.001000847	0.001000847	5.00424E-06	0.005768157	0.001015491	0.008479618	0.01286725	5.00424E-06	10.42838955	1.13698E-05	0.000136471	0.000100104
2032 Aug	41.45397186	0.029528391	0.005980505	0.001051886	9.753684044	0.042115729	3.61054945	0.001051886	0.001051886	5.25943E-06	0.005743887	0.001121885	0.011214091	0.014992292	5.25943E-06	13.15701103	6.69593E-06	0.00016643	0.000105193
2032 Sep	45.35040665	0.049848311	0.006007316	0.001050739	11.08634949	0.044338144	4.084628582	0.001050739	0.001050739	5.2537E-06	0.006295404	0.001128648	0.012357232	0.015750675	5.2537E-06	14.36393833	7.49524E-06	0.00018855	0.000109683
2032 Oct	47.13336945	0.065932475	0.005800778	0.001046057	11.65075874	0.044843066	4.380379677	0.001046057	0.001046057	5.23028E-06	0.006896102	0.001132604	0.012274463	0.016234372	5.23028E-06	14.85877132	9.43354E-06	0.000192862	0.000115614
2032 Nov	47.67980194	0.072096482	0.005698781	0.001040601	11.83497143	0.044889569	4.482834816	0.001040601	0.001040601	5.20301E-06	0.007111072	0.001130284	0.012199393	0.016370762	5.20301E-06	15.00431442	1.01713E-05	0.000193912	0.000117573
2032 Dec	47.95141983	0.07774052	0.00556721	0.001029488	11.95001984	0.0446865	4.558452129	0.001029488	0.001029488	5.14744E-06	0.007282446	0.001121748	0.012058213	0.0164138	5.14744E-06	15.06389427	1.08382E-05	0.000193868	0.000118843
2033 Jan	48.12835312	0.077927381	0.005622732	0.001029398	11.99601173	0.044646632	4.573976517	0.001029398	0.001029398	5.14699E-06	0.007283757	0.00112466	0.012048678	0.016513528	5.14699E-06	15.14013386	1.08661E-05	0.000194767	0.000120746
2033 Feb	48.36512375	0.078064263	0.00570099	0.001029592	12.05656433	0.044600435	4.593664169	0.001029592	0.001029592	5.14796E-06	0.007282381	0.001128862	0.012039722	0.016648563	5.14796E-06	15.24297714	1.08902E-05	0.000195997	0.000123298
2033 Mar	48.56656265	0.078255869	0.005752144	0.001031242	12.10761166	0.044642176	4.611271858	0.001031242	0.001031242	5.15621E-06	0.007292555	0.001132842	0.012052903	0.016747046	5.15621E-06	15.32182884	1.09196E-05	0.000196961	0.000124873
2033 Apr	49.0383873	0.078939892	0.005823676	0.001039754	12.22571278	0.044993658	4.655200005	0.001039754	0.001039754	5.19877E-06	0.007351894	0.001143436	0.012148894	0.016926384	5.19877E-06	15.47945213	1.10166E-05	0.000198958	0.000126692
2033 May	65.53120422	0.075694114	0.012523745	0.001032705	15.86423397	0.035545338	5.713743687	0.001032705	0.001032705	5.16353E-06	0.007146442	0.001423711	0.010795624	0.026862003	5.16353E-06	22.73928452	1.51276E-05	0.00029926	0.000333406
2033 Jun	65.68397522	0.050883681	0.015291246	0.000944832	14.91082001	0.021816989	5.151494026	0.000944832	0.000944832	4.72416E-06	0.006555795	0.001390557	0.008788436	0.028447613	4.72416E-06	23.27675438	1.90623E-05	0.000328404	0.000406376
2033 Jul	52.68452835	0.031637941	0.011137908	0.001020217	11.46705437	0.027879653	4.093223095	0.001020217	0.001020217	5.10109E-06	0.006517608	0.001260913	0.009103004	0.021747693	5.10109E-06	17.76191711	1.63324E-05	0.000247115	0.000268064
2033 Aug	51.22781372	0.02943375	0.010080038	0.001086881	11.31605339	0.033757564	4.120762825	0.001086881	0.001086881	5.43441E-06	0.00651078	0.001298202	0.009711113	0.020897847	5.43441E-06	17.10720825	1.393E-05	0.000225986	0.000234287
2033 Sep	50.69451904	0.08835163	0.006206879	0.001023364	12.52289391	0.042771101	4.824424744	0.001023364	0.001023364	5.11682E-06	0.007810895	0.001150576	0.011492563	0.017824208	5.11682E-06	16.05927086	1.37202E-05	0.000206472	0.00014907
2033 Oct	49.689785	0.108197518	0.004930091	0.000974419	12.62590504	0.043674335	4.98533535	0.000974419	0.000974419	4.8721E-06	0.008235333	0.001082384	0.011329126	0.016771838	4.8721E-06	15.48197269	1.45295E-05	0.00019498	0.000127528
2033 Nov	49.92684937	0.109016851	0.004937418	0.000978666	12.69107151	0.043907281	5.012720585	0.000978666	0.000978666	4.89333E-06	0.008282754	0.001086911	0.011384079	0.016842043	4.89333E-06	15.55220127	1.4614E-05	0.000195806	0.000127875
2033 Dec	49.95660019	0.109083414	0.004940274	0.000979247	12.6986599	0.04393357	5.015726089	0.000979247	0.000979247	4.89623E-06	0.008287732	0.001087555	0.011390867	0.016852027	4.89623E-06	15.5614481	1.46228E-05	0.000195922	0.00012795
2034 Jan	49.99226379	0.109096751	0.004952214	0.000979309	12.70771503	0.043927778	5.018624306	0.000979309	0.000979309	4.89654E-06	0.008287387	0.001088213	0.011389952	0.016872348	4.89654E-06	15.57693386	1.46256E-05	0.000196109	0.00012833
2034 Feb	50.03945541	0.109111577	0.004968325	0.000979372	12.71968555	0.043918855	5.022428989	0.000979372	0.000979372	4.89686E-06	0.008286707	0.00108908	0.011388447	0.01689953	4.89686E-06	15.59757328	1.46289E-05	0.000196357	0.000128843
2034 Mar	50.08925629	0.109172165	0.004979495	0.000979877	12.73232841	0.043935128	5.026918888	0.000979877	0.000979877	4.89939E-06	0.008290325	0.001090077	0.011393108	0.016922476	4.89939E-06	15.61632633	1.46377E-05	0.000196587	0.000129185
2034 Apr	50.4482193	0.109927028	0.005018749	0.000986631	12.82356739	0.044234261	5.062653065	0.000986631	0.000986631	4.93315E-06	0.008347084	0.001097839	0.011470932	0.017047264	4.93315E-06	15.73009396	1.47394E-05	0.000198016	0.000130233
2034 May	55.78909302	0.107999824	0.007023654	0.001009951	14.00566483	0.042628743	5.408726692	0.001009951	0.001009951	5.04975E-06	0.00835377	0.001200668	0.011402907	0.020074628	5.04975E-06	17.99050903	1.57614E-05	0.00022932	0.000188633
2034 Jun	61.11944199	0.06191634	0.012609553	0.000987238	13.8870182	0.02676505	4.939572334	0.000987238	0.000987238	4.93619E-06	0.007333464	0.001307287	0.009718075	0.024918085	4.93619E-06	20.83501434	1.95802E-05	0.000296689	0.000325665
2034 Jul	41.73003006	0.020643434	0.007368902	0.001052773	8.934243202	0.034410249	3.384332895	0.001052773	0.001052773	5.26386E-06	0.006189561	0.001155825	0.009000693	0.016434446	5.26386E-06	13.36467934	1.22237E-05	0.000169994	0.000154814
2034 Aug	44.28665543	0.023934124	0.007405878	0.00112604	9.768839836	0.039457154	3.693984032	0.00112604	0.00112604	5.6302E-06	0.006409517	0.001232774	0.010119996	0.017195545	5.6302E-06	14.19698811	1.10213E-05	0.000176554	0.000150975
2034 Sep	48.82178879	0.084782176	0.005706865	0.001033235	11.99676991	0.043307628	4.677206039	0.001033235	0.001033235	5.16618E-06	0.007782247	0.001140471	0.0112621	0.017077316	5.16618E-06	15.3255167	1.34483E-05	0.000192991	0.0001344
2034 Oct	50.02898407	0.1090037	0.004945236	0.000983435	12.71015358	0.04408909	5.021966934	0.000983435	0.000983435	4.91717E-06	0.008307278	0.001091279	0.011416784	0.016879037	4.91717E-06	15.57936478	1.46451E-05	0.000195978	0.000127851
2034 Nov	50.25341415	0.109678119	0.004959855	0.000987215	12.77066517	0.044284455	5.046416283	0.000987215	0.000987215	4.93607E-06	0.008347332	0.001095526	0.011466962	0.016949557	4.93607E-06	15.64820671	1.4718E-05	0.000196842	0.000128341
2034 Dec	50.28752899	0.109755367	0.004963108	0.000987876	12.77938747	0.044314478	5.049870968	0.000987876	0.000987876	4.93938E-06	0.008353041	0.00109626	0.011474731	0.016960984	4.93938E-06	15.65881443	1.47281E-05	0.000196976	0.000128427
2035 Jan	50.34383392	0.109772138	0.00498254	0.000987928	12.79368687	0.044302694	5.054399014	0.000987928	0.000987928	4.93964E-06	0.008352058	0.001097287	0.011472665	0.016993631	4.93964E-06	15.68356323	1.47319E-05	0.000197274	0.000129048
2035 Feb	50.42163467	0.10979683	0.00500908	0.000988032	12.81342411	0.044288039	5.060672283	0.000988032	0.000988032	4.94016E-06	0.008350952	0.001098716	0.011470208	0.017038418	4.94016E-06	15.7175808	1.47374E-05	0.000197684	0.000129893
2035 Mar	50.47963333	0.109844223	0.005025094	0.000988394	12.82814217	0.044293746	5.065656185	0.000988394	0.000988394	4.94197E-06	0.00835293	0.001099835	0.011472414	0.017068097	4.94197E-06	15.7409811	1.4745E-05	0.000197968	0.000130393
2035 Apr	50.80638504	0.110510163	0.00506348	0.000994349	12.91116714	0.044554606	5.097968102	0.000994349	0.000994349	4.97175E-06	0.008402639	0.001106871	0.011540397	0.017184339	4.97175E-06	15.84591389	1.48351E-05	0.000199282	0.000131438
2035 May	54.33865356	0.111139789	0.00618317	0.001021068	13.71775723	0.044371609	5.353479385	0.001021068	0.001021068	5.10534E-06	0.008529589	0.00117671	0.011674791	0.019015338	5.10534E-06	17.25770378	1.55858E-05	0.000218542	0.000163822
2035 Jun	49.99343872	0.039559718	0.010315808	0.000957576	10.49536228	0.02292027	3.691055536	0.000957576	0.000957576	4.78788E-06	0.007093885	0.001105734	0.00943567	0.019243391	4.78788E-06	16.1919651	2.00841E-05	0.000253524	0.000236928
2035 Jul	40.72467422	0.018025197	0.007797475	0.001034889	7.717125416	0.025730347	2.763927221	0.001034889	0.001034889	5.17445E-06	0.007139177	0.00101977	0.009803949	0.014441048	5.17445E-06	12.16377831	1.91926E-05	0.000202598	0.00014162
2035 Aug	43.02412796	0.030145463	0.006979191	0.001047945	9.466945648	0.03583343	3.407898903	0.001047945	0.001047945	5.23973E-06	0.006483486	0.001081596	0.011366178	0.015098702	5.23973E-06	13.32817173	1.21243E-05	0.000196444	0.000123522
2035 Sep	49.64236069	0.094072632	0.005409301	0.001012007	12.4666996	0.044313762	4.814192295	0.001012007	0.001012007	5.06003E-06	0.007875449	0.001108602	0.012008085	0.016759116	5.06003E-06	15.50446129	1.30532E-05	0.000201186	0.000125002
2035 Oct	50.94942856	0.110752292	0.005039764	0.001001274	12.95064735	0.044940054	5.109496593	0.001001274	0.001001274	5.00637E-06	0.008441356	0.001110006	0.011685705	0.017160013	5.00637E-06	15.86418438	1.48157E-05	0.000200139	0.000129539
2035 Nov	49.96871948	0.109243847	0.004920283	0.00098036	12.70819855	0.044051293	5.018542767	0.00098036	0.00098036	4.9018E-06	0.008294608	0.00108742	0.011432742	0.016827933	4.9018E-06	15.55669022	1.45928E-05	0.000196008	0.0001271
2035 Dec	50.00563049	0.109329931	0.004923724	0.00098107	12.71764469	0.044083629	5.022314072	0.00098107	0.00098107	4.90535E-06	0.008300872	0.001088213	0.011440945	0.016840348	4.90535E-06	15.56816292	1.46042E-05	0.00019615	0.000127194
2036 Jan	50.07551193	0.109348491	0.004948112	0.000981118	12.73537445	0.044067871	5.027912617	0.000981118	0.000981118	4.90559E-06	0.008299476	0.001089488	0.011438056	0.016881159	4.90559E-06	15.59901619	1.46087E-05	0.000196521	0.000127973
2036 Feb	50.1693306	0.109368481	0.004981373	0.000981151	12.759161	0.044044681	5.035375118	0.000981151	0.000981151	4.90575E-06	0.008297218	0.001091195	0.011433727	0.016936418	4.90575E-06	15.64068508	1.46142E-05	0.000197022	0.000129036
2036 Mar	50.22106171	0.109381422	0.004999465	0.000981187	12.77227974	0.044032991	5.03951025	0.000981187	0.000981187	4.90594E-06	0.008296159	0.00109214	0.011431607	0.016966641	4.90594E-06	15.66353416	1.46175E-05	0.000197296	0.000129613
2036 Apr	50.96214294	0.110284865	0.005165452	0.000988725	12.96047115	0.044276271	5.106350899	0.000988725	0.000988725	4.94363E-06	0.008350137	0.001106974	0.011501289	0.017307838	4.94363E-06	15.94250488	1.47493E-05	0.000200718	0.000134687
2036 May	53.61930466	0.113441363	0.005748806	0.001019	13.62169743	0.045216706	5.341483116	0.001019	0.001019	5.095E-06	0.008569676	0.001160893	0.011787182	0.01850166	5.095E-06	16.92326164	1.52966E-05	0.00021309	0.000152013
2036 Jun	41.46802521	0.02982221	0.007656272	0.000996751	7.932505608	0.023900021	2.820875406	0.000996751	0.000996751	4.98376E-06	0.007537663	0.000962088	0.01013392	0.014046706	4.98376E-06	12.19817924	2.11373E-05	0.000215119	0.000139103
2036 Jul	35.72257614	0.009791699	0.006106871	0.00103442	7.047482014	0.031777941	2.679924011	0.00103442	0.00103442	5.1721E-06	0.006179894	0.001033476	0.008963651	0.013174004	5.1721E-06	10.76700306	1.3132E-05	0.000149629	0.000104638
2036 Aug	38.77396774	0.014076243	0.006266905	0.001100089	8.149086952	0.037440799	3.114603043	0.001100089	0.001100089	5.50044E-06	0.006226852	0.001133815	0.009740327	0.014549094	5.50044E-06	11.97632027	1.10733E-05	0.000153013	0.000110846
2036 Sep	44.28220367	0.054637786	0.005793058	0.0010486	10.43082619	0.041331504	3.989226103	0.0010486	0.0010486	5.243E-06	0.006938199	0.001115666	0.011067003	0.015599979	5.243E-06	13.79849529	1.13708E-05	0.000178198	0.000115772
2036 Oct	49.63519287	0.102124661	0.005103105	0.001002173	12.49147606	0.044115875	4.916305542	0.001002173	0.001002173	5.01087E-06	0.008187299	0.001104316	0.011482608	0.016828891	5.01087E-06	15.4525671	1.43018E-05	0.000195149	0.000126837
2036 Nov	49.71304703	0.104008421	0.005052496	0.000996443	12.54478455	0.044091813	4.942771435	0.000996443	0.000996443	4.98222E-06	0.008217442	0.001099884	0.011461738	0.016827593	4.98222E-06	15.47621632	1.43898E-05	0.000195261	0.000126913
2036 Dec	49.68754578	0.104431055	0.005033718	0.000993916	12.54766178	0.04404344	4.94541502	0.000993916	0.000993916	4.96958E-06	0.008218004	0.001097617	0.01144512	0.016811313	4.96958E-06	15.46811485	1.44006E-05	0.000195108	0.000126813
2037 Jan	49.81466675	0.104486175	0.005076617	0.000994018	12.58020496	0.044018447	4.955827236	0.000994018	0.000994018	4.97009E-06	0.00821631	0.001099897	0.011440701	0.016884303	4.97009E-06	15.52371883	1.44101E-05	0.000195776	0.000128195
2037 Feb	49.98516464	0.104544222	0.005134866	0.000994196	12.62357616	0.043984655	4.969619274	0.000994196	0.000994196	4.97098E-06	0.008213724	0.001103003	0.01143484	0.016982656	4.97098E-06	15.5984211	1.44221E-05	0.000196675	0.000130057
2037 Mar	50.15332031	0.104732946	0.005174379	0.000995787	12.66621494	0.044032265	4.984612942	0.000995787	0.000995787	4.97893E-06	0.008224647	0.001106355	0.011448815	0.017061859	4.97893E-06	15.66263294	1.44504E-05	0.000197461	0.000131269
2037 Apr	50.4253006	0.105208069	0.005215109	0.001000188	12.73500252	0.044213887	5.010662556	0.001000188	0.001000188	5.00094E-06	0.008259732	0.00111215	0.01149695	0.017166959	5.00094E-06	15.75425816	1.45172E-05	0.000198603	0.000132422
2037 May	66.37818909	0.091125213	0.012229977	0.001003498	16.16682243	0.034703404	5.921562672	0.001003498	0.001003498	5.01749E-06	0.007655377	0.0014034	0.010320117	0.027075615	5.01749E-06	22.93964577	1.72522E-05	0.000299596	0.000339416
2037 Jun	64.79634857	0.054891899	0.014748735	0.000942036	14.7348938	0.022386702	5.130346775	0.000942036	0.000942036	4.71018E-06	0.006722437	0.001368026	0.008811087	0.027802462	4.71018E-06	22.82175255	1.9358E-05	0.000321786	0.000392845
2037 Jul	53.89162445	0.035830166	0.011361306	0.00102561	11.68519115	0.027223954	4.162107468	0.00102561	0.00102561	5.12805E-06	0.006818666	0.001262127	0.0093158	0.022016646	5.12805E-06	18.07563972	1.77131E-05	0.000256955	0.000273758
2037 Aug	51.99154282	0.035913907	0.010009501	0.001069343	11.60287952	0.033522058	4.179001331	0.001069343	0.001069343	5.34671E-06	0.006662498	0.001266385	0.010310668	0.020634299	5.34671E-06	17.24001503	1.43537E-05	0.000236643	0.000229458
2037 Sep	51.90471268	0.059072819	0.008293224	0.001065235	12.20371628	0.038997792	4.507404804	0.001065235	0.001065235	5.32618E-06	0.007163893	0.00122405	0.011371554	0.01934815	5.32618E-06	16.84193611	1.3427E-05	0.000226751	0.000188292
2037 Oct	50.69961929	0.095929384	0.005877576	0.001006526	12.61656761	0.042748392	4.897906303	0.001006526	0.001006526	5.03263E-06	0.008017071	0.001129101	0.011430304	0.017604457	5.03263E-06	15.97662258	1.43713E-05	0.000205208	0.000145033
2037 Nov	50.74684525	0.099027179	0.0057081	0.00100479	12.68310833	0.043154627	4.941436291	0.00100479	0.00100479	5.02395E-06	0.00810477	0.001124918	0.011466353	0.017518986	5.02395E-06	15.95417976	1.44835E-05	0.000204118	0.000142108
2037 Dec	50.79075241	0.099158593	0.005710379	0.001005618	12.69491482	0.043197539	4.946303844	0.001005618	0.001005618	5.02809E-06	0.008113002	0.001125811	0.011476661	0.017532593	5.02809E-06	15.96741581	1.44975E-05	0.000204275	0.000142185
2038 Jan	50.85993576	0.099200688	0.005732918	0.001005676	12.71286106	0.043186281	4.952148914	0.001005676	0.001005676	5.02838E-06	0.008112445	0.001127042	0.011474433	0.017571893	5.02838E-06	15.99750519	1.4503E-05	0.000204631	0.000142921
2038 Feb	50.95078659	0.099232383	0.005764278	0.001005715	12.73609829	0.043166164	4.959532738	0.001005715	0.001005715	5.02858E-06	0.0081107	0.00112868	0.011470594	0.017624812	5.02858E-06	16.0376091	1.45088E-05	0.00020511	0.000143931
2038 Mar	51.01530457	0.099278882	0.005783066	0.001006033	12.75251198	0.043167919	4.965016842	0.001006033	0.001006033	5.03016E-06	0.008112138	0.001129905	0.011471882	0.017658843	5.03016E-06	16.064188	1.45163E-05	0.000205432	0.000144524
2038 Apr	51.25372696	0.099697776	0.00581664	0.00101019	12.81227493	0.043339517	4.987767696	0.00101019	0.00101019	5.05095E-06	0.008145018	0.001135069	0.011517953	0.017748047	5.05095E-06	16.14283752	1.45779E-05	0.000206427	0.000145433
2038 May	58.4144249	0.096203357	0.008690588	0.00102417	14.39448357	0.040175974	5.43722868	0.00102417	0.00102417	5.12085E-06	0.008029623	0.001267342	0.01119219	0.021986077	5.12085E-06	19.26766205	1.59001E-05	0.000249671	0.000230643
2038 Jun	64.18584442	0.054024246	0.014298985	0.000991319	14.40944004	0.02388479	5.02978611	0.000991319	0.000991319	4.95659E-06	0.007120949	0.001368939	0.009415634	0.026982019	4.95659E-06	22.25943375	2.02732E-05	0.000319349	0.000371616
2038 Jul	55.97211075	0.036660429	0.011820861	0.001101663	11.65405273	0.026342232	4.091967583	0.001101663	0.001101663	5.50831E-06	0.007783161	0.001276506	0.010481176	0.021907367	5.50831E-06	18.22747231	2.18186E-05	0.00028112	0.000269829
2038 Aug	53.22732162	0.038926855	0.009944128	0.001120534	11.73599815	0.034676116	4.173953056	0.001120534	0.001120534	5.60267E-06	0.007244986	0.001264432	0.011624732	0.020131644	5.60267E-06	17.22913551	1.59789E-05	0.000251815	0.000213628
2038 Sep	51.765728	0.069538921	0.007598259	0.001064972	12.2548914	0.03997425	4.563695431	0.001064972	0.001064972	5.32486E-06	0.007620882	0.001188171	0.011869329	0.018523121	5.32486E-06	16.47666168	1.45046E-05	0.000226795	0.000169124
2038 Oct	51.18757248	0.098057166	0.00584597	0.001019114	12.72374344	0.043236177	4.937788963	0.001019114	0.001019114	5.09557E-06	0.008190002	0.001133214	0.01169523	0.017596627	5.09557E-06	16.05326653	1.48015E-05	0.000208378	0.000142611
2038 Nov	51.3514595	0.09950982	0.005799872	0.001021057	12.7880249	0.043518756	4.970120907	0.001021057	0.001021057	5.10528E-06	0.008241654	0.001135222	0.01173106	0.017624995	5.10528E-06	16.0953598	1.48667E-05	0.000208428	0.00014211
2038 Dec	51.3692981	0.099646986	0.005796036	0.001021291	12.79457664	0.043546826	4.973331928	0.001021291	0.001021291	5.10646E-06	0.008246803	0.001135469	0.011734977	0.017628577	5.10646E-06	16.10009575	1.48735E-05	0.000208444	0.000142073
2039 Jan	51.48492432	0.099712513	0.00583475	0.001021278	12.8247757	0.043523267	4.983132362	0.001021278	0.001021278	5.10639E-06	0.008244879	0.001137515	0.011729528	0.017695757	5.10639E-06	16.15117836	1.48808E-05	0.00020904	0.00014335
2039 Feb	51.63965607	0.099761531	0.005889	0.001021265	12.86444664	0.043485224	4.99569416	0.001021265	0.001021265	5.10632E-06	0.008241171	0.001140294	0.011721778	0.017786944	5.10632E-06	16.22003937	1.48896E-05	0.000209858	0.000145104
2039 Mar	51.78072739	0.099897958	0.005925021	0.001022381	12.90020084	0.043512344	5.008030891	0.001022381	0.001022381	5.1119E-06	0.008248217	0.001143061	0.011730453	0.017856169	5.1119E-06	16.27537918	1.49108E-05	0.000210534	0.000146219

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Apr	52.04563141	0.10033147	0.005966694	0.001026657	12.96654606	0.043682702	5.032904625	0.001026657	0.001026657	5.13329E-06	0.0082816	0.001148711	0.011777159	0.01795928	5.13329E-06	16.36493301	1.49759E-05	0.00021167	0.000147376
2039 May	53.84603882	0.101863876	0.006404587	0.00104767	13.39341354	0.044159923	5.180199146	0.00104767	0.00104767	5.23835E-06	0.00842524	0.001185577	0.011962083	0.01878228	5.23835E-06	17.03082085	1.54054E-05	0.000220552	0.000159848
2039 Jun	37.99839401	0.021475617	0.007013879	0.000990055	6.843418121	0.022556074	2.410929441	0.000990055	0.000990055	4.95027E-06	0.007439987	0.000901464	0.010057813	0.012302499	4.95027E-06	10.75597382	2.12913E-05	0.000202395	0.000112312
2039 Jul	34.97304535	0.009010905	0.005892259	0.001021704	6.999364853	0.032417472	2.684895039	0.001021704	0.001021704	5.10852E-06	0.005942416	0.001032041	0.008705703	0.013086816	5.10852E-06	10.62828255	1.19582E-05	0.000141358	0.000102232
2039 Aug	40.67723846	0.026387939	0.005807643	0.001061262	9.636196136	0.043401793	3.63203764	0.001061262	0.001061262	5.30631E-06	0.005536076	0.001150733	0.010675848	0.015199536	5.30631E-06	13.05401134	5.53629E-06	0.000152682	0.000106128
2039 Sep	45.58019638	0.058257382	0.005701708	0.001053161	11.18927574	0.044897277	4.254199982	0.001053161	0.001053161	5.2658E-06	0.00663745	0.001148021	0.011626433	0.016142182	5.2658E-06	14.44974899	8.63794E-06	0.00017868	0.000115064
2039 Oct	48.06714249	0.08371187	0.005357091	0.001025578	12.01704788	0.044839147	4.662038803	0.001025578	0.001025578	5.12789E-06	0.007500482	0.001127356	0.011609949	0.016602959	5.12789E-06	15.09970188	1.16192E-05	0.000188315	0.000121838
2039 Nov	48.32790375	0.084626146	0.005372609	0.001029385	12.08672905	0.045030601	4.690960407	0.001029385	0.001029385	5.14693E-06	0.007551519	0.001131751	0.011659489	0.016684355	5.14693E-06	15.17875767	1.17341E-05	0.000189334	0.000122509
2039 Dec	48.37580109	0.084803887	0.00537517	0.001030047	12.09962273	0.045064658	4.696349621	0.001030047	0.001030047	5.15023E-06	0.007561113	0.001132522	0.011668302	0.016699119	5.15023E-06	15.19321728	1.17563E-05	0.000189521	0.000122632
2040 Jan	48.46100235	0.084878929	0.005402779	0.001029984	12.12169361	0.045043472	4.703598022	0.001029984	0.001029984	5.14992E-06	0.007561022	0.00113391	0.011664274	0.016747216	5.14992E-06	15.23014164	1.17678E-05	0.00018997	0.000123557
2040 Feb	48.57500458	0.084933668	0.005441578	0.001030004	12.1508255	0.045016758	4.712922573	0.001030004	0.001030004	5.15002E-06	0.007559497	0.00113591	0.011659359	0.016812984	5.15002E-06	15.28014183	1.1778E-05	0.000190573	0.000124816
2040 Mar	48.69578934	0.085066639	0.005469189	0.001031269	12.18137264	0.045057092	4.723701954	0.001031269	0.001031269	5.15635E-06	0.007567871	0.001138374	0.011670889	0.016869023	5.15635E-06	15.32578468	1.17978E-05	0.000191132	0.000125649
2040 Apr	48.93953323	0.085448883	0.005504405	0.001035709	12.24253178	0.045242753	4.746823311	0.001035709	0.001035709	5.17855E-06	0.007599948	0.001143871	0.011719584	0.016961386	5.17855E-06	15.4067564	1.18516E-05	0.000192136	0.000126569
2040 May	55.54852676	0.084633425	0.008019709	0.001048701	13.71629429	0.042489622	5.180821896	0.001048701	0.001048701	5.2435E-06	0.007602253	0.001260402	0.011464653	0.020748945	5.2435E-06	18.23134232	1.33752E-05	0.000231656	0.000202216
2040 Jun	59.52305984	0.042530686	0.013501452	0.000973782	12.97135639	0.021804592	4.485162258	0.000973782	0.000973782	4.86891E-06	0.006906554	0.001286697	0.009192988	0.024747133	4.86891E-06	20.38323593	2.0279E-05	0.000302073	0.000338793
2040 Jul	47.41869736	0.024042187	0.00982243	0.001044341	9.46245575	0.024979822	3.332094431	0.001044341	0.001044341	5.22171E-06	0.007199583	0.001130451	0.009819962	0.017998874	5.22171E-06	14.97782516	1.99461E-05	0.000238103	0.000206951
2040 Aug	45.53956223	0.025052385	0.008382929	0.001072823	9.696105957	0.032983709	3.517076492	0.001072823	0.001072823	5.36412E-06	0.006653346	0.001163643	0.010295195	0.017241355	5.36412E-06	14.47884655	1.44479E-05	0.00020694	0.000170527
2040 Sep	46.8029747	0.048735078	0.007049244	0.001044828	10.93624401	0.039266538	4.008765221	0.001044828	0.001044828	5.22414E-06	0.006717922	0.001132746	0.011676741	0.016657615	5.22414E-06	14.82748222	1.14143E-05	0.000205274	0.00014048
2040 Oct	48.64155579	0.072955027	0.006313195	0.001033101	11.76609612	0.041615643	4.453888416	0.001033101	0.001033101	5.16551E-06	0.00742112	0.001129756	0.011724041	0.016943417	5.16551E-06	15.30366516	1.28189E-05	0.000204299	0.000137229
2040 Nov	48.98088837	0.075284295	0.006274571	0.001036002	11.88084126	0.041971788	4.508434296	0.001036002	0.001036002	5.18001E-06	0.007508742	0.001133762	0.011772255	0.017031539	5.18001E-06	15.40175247	1.29863E-05	0.000204986	0.00013747
2040 Dec	49.01052094	0.075459704	0.006272469	0.001036321	11.89035892	0.042001877	4.512836456	0.001036321	0.001036321	5.18161E-06	0.007515842	0.001134171	0.011776983	0.017039698	5.18161E-06	15.41045189	1.29998E-05	0.000205058	0.000137503
2041 Jan	49.09480667	0.075558282	0.00629724	0.001036368	11.91287899	0.041993175	4.520541668	0.001036368	0.001036368	5.18184E-06	0.007516712	0.001135601	0.011774323	0.017086096	5.18184E-06	15.44643116	1.30095E-05	0.00020547	0.000138356
2041 Feb	49.20349884	0.075624079	0.006332795	0.001036454	11.94099236	0.041974485	4.529709339	0.001036454	0.001036454	5.18227E-06	0.007515874	0.001137536	0.011770479	0.017148035	5.18227E-06	15.49373531	1.30186E-05	0.000206029	0.000139519
2041 Mar	49.30922318	0.075731426	0.006358146	0.001037481	11.9675951	0.042004004	4.538985729	0.001037481	0.001037481	5.1874E-06	0.007522525	0.001139666	0.011779518	0.017197981	5.1874E-06	15.53414917	1.30359E-05	0.000206528	0.000140285
2041 Apr	49.50358963	0.075998507	0.006389905	0.001040886	12.01530838	0.042134985	4.55661726	0.001040886	0.001040886	5.20443E-06	0.007546762	0.001143979	0.011816684	0.017273242	5.20443E-06	15.59944248	1.30812E-05	0.000207375	0.000141104
2041 May	52.45185852	0.076767243	0.007376356	0.001054315	12.69787693	0.041566089	4.771992683	0.001054315	0.001054315	5.27158E-06	0.007612793	0.001198684	0.011811304	0.01887125	5.27158E-06	16.81569481	1.37214E-05	0.000223699	0.000170928
2041 Jun	38.52321625	0.02092867	0.007181713	0.000991539	7.033046246	0.022956835	2.470125437	0.000991539	0.000991539	4.9577E-06	0.007338165	0.00091628	0.010085194	0.012653349	4.9577E-06	11.03131104	2.0764E-05	0.000204101	0.000117586
2041 Jul	35.63833618	0.009287274	0.006161845	0.001034195	6.923169613	0.030931864	2.616526127	0.001034195	0.001034195	5.17098E-06	0.006276257	0.001021372	0.009048672	0.012987716	5.17098E-06	10.65226555	1.38333E-05	0.00015295	0.000103459
2041 Aug	39.01068878	0.016021816	0.00624809	0.001089406	8.278026581	0.037412062	3.135081291	0.001089406	0.001089406	5.44703E-06	0.006207129	0.001120101	0.009990158	0.014444812	5.44703E-06	12.03938866	1.09004E-05	0.000157004	0.000108965
2041 Sep	43.17098236	0.040259413	0.006096734	0.001073869	9.921183586	0.040864471	3.735190868	0.001073869	0.001073869	5.36934E-06	0.006616392	0.001127717	0.011183327	0.015337286	5.36934E-06	13.44349766	1.05456E-05	0.0001768	0.000112726
2041 Oct	46.8723793	0.074378029	0.005572838	0.001037997	11.36804295	0.042783629	4.396065712	0.001037997	0.001037997	5.18999E-06	0.007501093	0.001118346	0.011394095	0.016204415	5.18999E-06	14.59302998	1.26423E-05	0.000187613	0.000120793
2041 Nov	47.45095444	0.077624761	0.005562154	0.001041095	11.55364037	0.043191414	4.476194382	0.001041095	0.001041095	5.20548E-06	0.007617787	0.001124097	0.011477937	0.016370429	5.20548E-06	14.77292728	1.28889E-05	0.000189599	0.000122163
2041 Dec	47.50534439	0.077852406	0.005563796	0.00104171	11.56957912	0.04323376	4.482864857	0.00104171	0.00104171	5.20855E-06	0.007627953	0.001124906	0.01148771	0.016387166	5.20855E-06	14.78984547	1.2909E-05	0.000189796	0.000122296
2042 Jan	47.61820221	0.077975795	0.005597006	0.001041831	11.59945011	0.043222968	4.492926598	0.001041831	0.001041831	5.20915E-06	0.007629326	0.001126803	0.01148593	0.016448144	5.20915E-06	14.83756542	1.29224E-05	0.000190364	0.000123412
2042 Feb	47.75127792	0.07804732	0.005641823	0.001041825	11.63386059	0.043193635	4.503985405	0.001041825	0.001041825	5.20912E-06	0.007627356	0.001129123	0.01148028	0.016524829	5.20912E-06	14.89604568	1.29326E-05	0.000191063	0.000124875
2042 Mar	47.85819626	0.078142531	0.005670308	0.001042572	11.66099358	0.043208782	4.51325655	0.001042572	0.001042572	5.21286E-06	0.00763178	0.001131201	0.011485476	0.01657852	5.21286E-06	14.93864441	1.29475E-05	0.000191582	0.000125763
2042 Apr	48.27860641	0.078783527	0.005729177	0.001050825	11.76404953	0.043541737	4.552438259	0.001050825	0.001050825	5.25413E-06	0.007691589	0.001140881	0.01157465	0.016733691	5.25413E-06	15.07515526	1.30531E-05	0.000193317	0.000127215
2042 May	55.10020828	0.079562664	0.008145478	0.001071715	13.33370209	0.041556578	5.031620979	0.001071715	0.001071715	5.35858E-06	0.007758677	0.001262998	0.011463461	0.020518007	5.35858E-06	17.94171715	1.44865E-05	0.000232571	0.000200155
2042 Jun	41.59688568	0.025385864	0.007895378	0.001008798	7.894832611	0.023863455	2.78549242	0.001008798	0.001008798	5.04399E-06	0.007438981	0.000978152	0.010154299	0.014252018	5.04399E-06	12.29398251	2.0877E-05	0.000216463	0.000142918
2042 Jul	35.14939117	0.009102711	0.005941255	0.001025432	7.01316309	0.032326251	2.685534	0.001025432	0.001025432	5.12716E-06	0.005993795	0.001033516	0.008764696	0.013116399	5.12716E-06	10.6643095	1.21968E-05	0.000143089	0.000102791
2042 Aug	43.29674149	0.040578891	0.005958442	0.001008049	10.63216019	0.042899154	3.820846558	0.001008049	0.001008049	5.04025E-06	0.005651161	0.001077764	0.012410535	0.014908605	5.04025E-06	13.77562428	5.52236E-06	0.00018573	0.000100822
2042 Sep	46.99616241	0.069067992	0.005689705	0.00100173	11.82941246	0.044283535	4.376112461	0.00100173	0.00100173	5.00865E-06	0.006655572	0.001085408	0.0126692	0.015813222	5.00865E-06	14.8398819	8.46143E-06	0.00019889	0.0001104
2042 Oct	49.16131973	0.095116884	0.005228378	0.000993637	12.46147442	0.044410203	4.812058449	0.000993637	0.000993637	4.96819E-06	0.007735644	0.001092808	0.01195755	0.01654938	4.96819E-06	15.38330841	1.23966E-05	0.000198171	0.000121599
2042 Nov	49.50249481	0.096259326	0.005249402	0.000999389	12.54979229	0.044678047	4.85039711	0.000999389	0.000999389	4.99694E-06	0.007805645	0.001099493	0.012013213	0.016664391	4.99694E-06	15.48710918	1.25574E-05	0.000199338	0.000122572
2042 Dec	49.53669357	0.09637516	0.005251468	0.000999962	12.55865002	0.044704787	4.854253292	0.000999962	0.000999962	4.99981E-06	0.007812705	0.001100161	0.012018718	0.016675921	4.99981E-06	15.49750519	1.25738E-05	0.000199454	0.00012267
2043 Jan	49.6161232	0.096427105	0.005277503	0.001000033	12.57888317	0.044689007	4.860932827	0.001000033	0.001000033	5.00016E-06	0.007812633	0.00110158	0.012015099	0.016721388	5.00016E-06	15.53193283	1.25835E-05	0.00019986	0.000123529
2043 Feb	49.7183075	0.096464686	0.005312866	0.001000076	12.6048336	0.044664845	4.869223118	0.001000076	0.001000076	5.00038E-06	0.007810951	0.001103424	0.012010213	0.016781101	5.00038E-06	15.57699108	1.25919E-05	0.000200398	0.000124673
2043 Mar	49.79026794	0.096516676	0.005333886	0.001000426	12.62310028	0.044666246	4.875333309	0.001000426	0.001000426	5.00213E-06	0.007812582	0.00110479	0.012011468	0.016819146	5.00213E-06	15.6066494	1.26006E-05	0.000200756	0.000125338
2043 Apr	50.2012291	0.097263142	0.005385544	0.001008056	12.7273035	0.044998705	4.915037632	0.001008056	0.001008056	5.04028E-06	0.007871528	0.001113776	0.012101376	0.016965846	5.04028E-06	15.73953629	1.26991E-05	0.000202453	0.000126649
2043 May	56.50846481	0.096344896	0.007696615	0.001034005	14.12887001	0.043084316	5.338167191	0.001034005	0.001034005	5.17003E-06	0.007932709	0.001233284	0.011969437	0.0205258	5.17003E-06	18.39323235	1.4105E-05	0.000238762	0.000195357
2043 Jun	58.35995483	0.042519972	0.012952553	0.000996345	12.58462143	0.022628106	4.361245632	0.000996345	0.000996345	4.98172E-06	0.007158983	0.001266527	0.009577015	0.023763582	4.98172E-06	19.69476509	2.08433E-05	0.000297136	0.000317551
2043 Jul	42.84437943	0.018196249	0.008080693	0.001065242	8.743579865	0.030866347	3.220367193	0.001065242	0.001065242	5.32621E-06	0.006631887	0.00113636	0.009432879	0.016424548	5.32621E-06	13.47409916	1.53991E-05	0.000191906	0.00016326
2043 Aug	44.25154877	0.029786011	0.007141841	0.001074316	10.00583076	0.038828287	3.65510273	0.001074316	0.001074316	5.37158E-06	0.006267023	0.001152092	0.0111943	0.016202427	5.37158E-06	14.03880215	1.02398E-05	0.000190509	0.000134852
2043 Sep	46.27861786	0.053511374	0.006302378	0.001035548	11.24927139	0.042723265	4.121425152	0.001035548	0.001035548	5.17774E-06	0.00646809	0.001116302	0.012361298	0.01601526	5.17774E-06	14.65111828	8.75791E-06	0.000198384	0.000118887
2043 Oct	48.48836136	0.081626758	0.00566754	0.001016594	12.06551552	0.043731846	4.600880623	0.001016594	0.001016594	5.08297E-06	0.007427837	0.001111186	0.011997783	0.0165518	5.08297E-06	15.22090721	1.17272E-05	0.000198783	0.000123979
2043 Nov	49.54603195	0.096491218	0.005312159	0.001003756	12.47157192	0.044157807	4.845930576	0.001003756	0.001003756	5.01878E-06	0.007923049	0.00110552	0.011771278	0.016796047	5.01878E-06	15.48648643	1.32889E-05	0.000198475	0.000126384
2043 Dec	49.57860947	0.096599318	0.005314018	0.001004296	12.48025894	0.044185035	4.849610329	0.001004296	0.001004296	5.02148E-06	0.007929395	0.001106145	0.011777352	0.01680669	5.02148E-06	15.49644184	1.33021E-05	0.00019859	0.000126466
2044 Jan	49.63858414	0.096645303	0.005332408	0.00100445	12.49564171	0.04417976	4.854739666	0.00100445	0.00100445	5.02225E-06	0.007930058	0.001107233	0.011776487	0.016839603	5.02225E-06	15.52180481	1.33093E-05	0.000198892	0.000127065
2044 Feb	49.74133301	0.096732862	0.00536039	0.001005116	12.52172661	0.044191424	4.86360836	0.001005116	0.001005116	5.02558E-06	0.007933852	0.001109218	0.011780752	0.016891824	5.02558E-06	15.5630703	1.33231E-05	0.000199393	0.00012794
2044 Mar	49.84768677	0.096878827	0.005381018	0.001006501	12.54862022	0.044242743	4.873368263	0.001006501	0.001006501	5.03251E-06	0.007943989	0.001111424	0.011795061	0.016937338	5.03251E-06	15.60129166	1.33441E-05	0.000199868	0.000128545
2044 Apr	50.03910828	0.097216971	0.005406786	0.001009941	12.59687519	0.044388611	4.891727448	0.001009941	0.001009941	5.0497E-06	0.007970694	0.0011156	0.011834296	0.017007612	5.0497E-06	15.66395569	1.33912E-05	0.000200663	0.000129223
2044 May	51.67764282	0.099283166	0.005721721	0.001034342	12.99449539	0.045208912	5.035634995	0.001034342	0.001034342	5.17171E-06	0.008150398	0.001150287	0.012085703	0.017684076	5.17171E-06	16.23487473	1.37988E-05	0.000208175	0.000137881
2044 Jun	42.61924362	0.034089498	0.007828179	0.000973827	8.515164375	0.024805117	3.039494038	0.000973827	0.000973827	4.86914E-06	0.007285608	0.000980297	0.009984856	0.014842646	4.86914E-06	12.8645792	1.9746E-05	0.000216341	0.00015171
2044 Jul	40.01662064	0.016329614	0.007526966	0.001075949	7.166301727	0.025131095	2.537659168	0.001075949	0.001075949	5.37974E-06	0.007696847	0.000992577	0.010522886	0.013310826	5.37974E-06	11.42466164	2.1537E-05	0.000208031	0.000120571
2044 Aug	43.63069916	0.022609521	0.007672013	0.00114325	8.512354851	0.031637941	3.043012857	0.00114325	0.00114325	5.71625E-06	0.007733207	0.001095044	0.01164472	0.014745948	5.71625E-06	12.82514191	1.90107E-05	0.000214965	0.000125002
2044 Sep	47.6613884	0.075421162	0.005755384	0.001017822	11.69615078	0.042592324	4.406355381	0.001017822	0.001017822	5.08911E-06	0.00733838	0.001090129	0.012223388	0.016029572	5.08911E-06	14.84603977	1.18618E-05	0.000201601	0.000117909
2044 Oct	49.6336441	0.098961055	0.00524028	0.00100137	12.47983265	0.043937139	4.857913971	0.00100137	0.00100137	5.00685E-06	0.008051596	0.001097628	0.011794105	0.016706105	5.00685E-06	15.45324707	1.38274E-05	0.000199586	0.00012513
2044 Nov	50.0178299	0.101731919	0.005206881	0.00100337	12.6058569	0.04423622	4.92195034	0.00100337	0.00100337	5.01685E-06	0.008154131	0.001102431	0.011793584	0.016836718	5.01685E-06	15.57216263	1.40793E-05	0.000200114	0.000126329
2044 Dec	50.04532242	0.101818651	0.005208606	0.001003833	12.61323738	0.044259902	4.92506218	0.001003833	0.001003833	5.01917E-06	0.00815923	0.00110298	0.011798654	0.01684599	5.01917E-06	15.58071041	1.40892E-05	0.000200208	0.000126402
2045 Jan	50.11713028	0.101851545	0.005233254	0.001003829	12.63168049	0.044242829	4.93100214	0.001003829	0.001003829	5.01915E-06	0.008157984	0.001104261	0.011794855	0.016888076	5.01915E-06	15.61248398	1.40948E-05	0.000200582	0.000127209
2045 Feb	50.2130127	0.101879112	0.005267025	0.001003836	12.656106	0.044218723	4.938725471	0.001003836	0.001003836	5.01918E-06	0.008155783	0.001105991	0.011790019	0.016944617	5.01918E-06	15.65510178	1.41009E-05	0.000201091	0.000128298
2045 Mar	50.31347656	0.101991989	0.005290484	0.001004804	12.68156815	0.044248059	4.947676182	0.001004804	0.001004804	5.02402E-06	0.008162415	0.001107996	0.011798706	0.016991697	5.02402E-06	15.69335747	1.41178E-05	0.000201561	0.000129014
2045 Apr	50.51757431	0.102353811	0.005319315	0.001008286	12.7330904	0.044393811	4.967215538	0.001008286	0.001008286	5.04143E-06	0.008189999	0.001112372	0.011838065	0.017068142	5.04143E-06	15.76097107	1.41686E-05	0.000202417	0.0001298
2045 May	51.6737442	0.104671285	0.005444421	0.00103111	13.02443314	0.045394544	5.080611706	0.00103111	0.00103111	5.15555E-06	0.008375057	0.001137781	0.012105299	0.01746206	5.15555E-06	16.12338257	1.44905E-05	0.000207069	0.000132886
2045 Jun	38.67230606	0.028497307	0.006658222	0.001000787	7.224865437	0.024869585	2.593052149	0.001000787	0.001000787	5.00393E-06	0.007591695	0.000913867	0.010359403	0.012367869	5.00393E-06	10.94730186	2.08112E-05	0.000200326	0.000105919
2045 Jul	37.85395813	0.010449282	0.0070216	0.001075725	6.715184212	0.026361547	2.413920164	0.001075725	0.001075725	5.37862E-06	0.007346767	0.000990326	0.010155259	0.012716667	5.37862E-06	10.7659893	1.97688E-05	0.000189908	0.000107635
2045 Aug	41.18204117	0.020711366	0.006895522	0.001100151	8.358359337	0.033709325	3.021855593	0.001100151	0.001100151	5.50075E-06	0.007000468	0.00107154	0.011238999	0.014093401	5.50075E-06	12.26377678	1.52344E-05	0.000192703	0.000110057
2045 Sep	45.51667404	0.056187648	0.006119666	0.001047236	10.65449238	0.040280577	3.959445715	0.001047236	0.001047236	5.23618E-06	0.007113413	0.001088738	0.012024547	0.01539919	5.23618E-06	14.03168011	1.228E-05	0.000198108	0.000113756
2045 Oct	47.30729675	0.070000067	0.005922156	0.001047313	11.31840897	0.041817259	4.278657436	0.001047313	0.001047313	5.23656E-06	0.007514582	0.00110533	0.012064807	0.01598586	5.23656E-06	14.61961651	1.30491E-05	0.000200663	0.00011878
2045 Nov	47.51178741	0.070564859	0.005937851	0.001050911	11.37286568	0.041996937	4.300846577	0.001050911	0.001050911	5.25455E-06	0.007549807	0.001109515	0.012107178	0.016054526	5.25455E-06	14.68362427	1.3112E-05	0.000201412	0.000119306
2045 Dec	47.56389618	0.070783794	0.005939016	0.001051562	11.38832474	0.042042412	4.307557583	0.001051562	0.001051562	5.25781E-06	0.007559567	0.001110412	0.012115176	0.016071901	5.25781E-06	14.70016575	1.31299E-05	0.000201569	0.000119444
2046 Jan	47.65275192	0.070893928	0.005964832	0.001051593	11.41227913	0.042034112	4.315825462	0.001051593	0.001051593	5.25796E-06	0.007560467	0.001111922	0.012111979	0.016121013	5.25796E-06	14.73820305	1.31396E-05	0.000201996	0.000120345
2046 Feb	47.76613235	0.070968077	0.006001367	0.001051711	11.44168854	0.042017009	4.325482845	0.001051711	0.001051711	5.25855E-06	0.007559907	0.00111395	0.012108292	0.016185284	5.25855E-06	14.78736591	1.31493E-05	0.000202574	0.000121544

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Mar	47.90652847	0.07112518	0.006031173	0.001053504	11.47654724	0.042076729	4.337862968	0.001053504	0.001053504	5.26752E-06	0.007572026	0.001116888	0.01212618	0.016246965	5.26752E-06	14.83850384	1.31762E-05	0.000203222	0.000122399
2046 Apr	48.29791641	0.071676813	0.006087406	0.001061368	11.57101154	0.04238401	4.373112202	0.001061368	0.001061368	5.30684E-06	0.00762811	0.001125821	0.012215124	0.01638777	5.30684E-06	14.96412182	1.32771E-05	0.000204912	0.000123683
2046 May	52.58051682	0.073094472	0.007500978	0.001080606	12.57204914	0.041627377	4.692348003	0.001080606	0.001080606	5.40303E-06	0.007727119	0.001205368	0.012202368	0.018708324	5.40303E-06	16.7315712	1.41863E-05	0.000228308	0.000166792
2046 Jun	40.32788849	0.021487027	0.007886892	0.00097933	7.526518345	0.022092886	2.622108459	0.00097933	0.00097933	4.89665E-06	0.00720436	0.000944865	0.00986584	0.013818545	4.89665E-06	11.90004063	2.06843E-05	0.000213892	0.000141587
2046 Jul	35.64716721	0.009453276	0.00625548	0.001028921	6.811256886	0.029702766	2.550788879	0.001028921	0.001028921	5.14461E-06	0.006395542	0.001003565	0.009140715	0.012798619	5.14461E-06	10.55926704	1.47567E-05	0.000158086	0.000103347
2046 Aug	39.76446533	0.021795323	0.006234894	0.001058362	8.655137062	0.037186902	3.205635786	0.001058362	0.001058362	5.29181E-06	0.006163965	0.001084562	0.010591819	0.014257462	5.29181E-06	12.26625729	1.05398E-05	0.000168025	0.000106084
2046 Sep	47.57359314	0.077150069	0.005575876	0.001016386	11.80483437	0.043643795	4.482023239	0.001016386	0.001016386	5.08193E-06	0.00726813	0.001100135	0.012069295	0.016143471	5.08193E-06	14.8921814	1.11618E-05	0.000195852	0.000117242
2046 Oct	49.83965683	0.102670193	0.005114662	0.000997554	12.60645485	0.044352122	4.93676424	0.000997554	0.000997554	4.98777E-06	0.008126974	0.001100079	0.01168018	0.016814118	4.98777E-06	15.53528309	1.39142E-05	0.000197603	0.000125857
2046 Nov	50.06671143	0.104270443	0.005100283	0.000998613	12.67629337	0.044483125	4.971761227	0.000998613	0.000998613	4.99306E-06	0.008190575	0.001102371	0.011683416	0.016885621	4.99306E-06	15.60262203	1.40927E-05	0.000198111	0.000126588
2046 Dec	50.11031723	0.104380749	0.005104078	0.000999423	12.68754768	0.044520646	4.976306915	0.000999423	0.000999423	4.99711E-06	0.008198166	0.001103284	0.011692733	0.016900241	4.99711E-06	15.61615372	1.4107E-05	0.000198277	0.000126701
2047 Jan	50.17907333	0.104415432	0.005126765	0.00099952	12.70508766	0.044509102	4.981991768	0.00099952	0.00099952	4.9976E-06	0.008197754	0.001104532	0.011690618	0.01693934	4.9976E-06	15.64594936	1.41132E-05	0.000198633	0.000127434
2047 Feb	50.27450562	0.104458407	0.00515801	0.000999728	12.72933197	0.044496164	4.989823818	0.000999728	0.000999728	4.99864E-06	0.008197374	0.001106294	0.011688708	0.0169931	4.99864E-06	15.6870451	1.41215E-05	0.000199127	0.00012843
2047 Mar	50.47372055	0.104787394	0.005190181	0.001002765	12.77981567	0.044619218	5.00869894	0.001002765	0.001002765	5.01383E-06	0.00822114	0.001110493	0.011721849	0.017072193	5.01383E-06	15.75539494	1.41673E-05	0.00019998	0.000129351
2047 Apr	50.69277954	0.105193734	0.005219398	0.00100659	12.83530617	0.044782486	5.029925823	0.00100659	0.00100659	5.03295E-06	0.008251849	0.001115207	0.011765206	0.017152993	5.03295E-06	15.82730198	1.4223E-05	0.000200884	0.000130147
2047 May	56.57963562	0.101457	0.007653775	0.001016824	14.11523533	0.041919447	5.386770725	0.001016824	0.001016824	5.08412E-06	0.008129334	0.001224806	0.011445914	0.02069154	5.08412E-06	18.41578484	1.53323E-05	0.000236881	0.00020207
2047 Jun	62.68383408	0.052299548	0.013930807	0.000980942	14.00667286	0.023493338	4.886487484	0.000980942	0.000980942	4.90471E-06	0.007064601	0.001338527	0.009353047	0.02621654	4.90471E-06	21.65297699	2.01635E-05	0.000312808	0.000359442
2047 Jul	50.87026978	0.030370405	0.010501004	0.001070847	10.40756893	0.026244801	3.677398682	0.001070847	0.001070847	5.35423E-06	0.007444079	0.001193861	0.010114163	0.019565813	5.35423E-06	16.29089355	2.04283E-05	0.000253181	0.000229967
2047 Aug	50.50461578	0.035295807	0.009349078	0.00109925	10.98352909	0.033625484	3.909677267	0.00109925	0.00109925	5.49625E-06	0.007126034	0.001211444	0.011371654	0.018847855	5.49625E-06	16.16055298	1.58874E-05	0.000239677	0.000194633
2047 Sep	48.48525238	0.070409812	0.006338077	0.001018299	11.86428356	0.041959357	4.417836666	0.001018299	0.001018299	5.0915E-06	0.007103244	0.001113185	0.01217501	0.016703283	5.0915E-06	15.31187153	1.13402E-05	0.000208021	0.00013235
2047 Oct	49.50244904	0.09514109	0.005453211	0.000995483	12.41700077	0.043321881	4.805247307	0.000995483	0.000995483	4.97742E-06	0.007869123	0.001098449	0.011716395	0.016812589	4.97742E-06	15.49265099	1.34306E-05	0.000200761	0.000129402
2047 Nov	49.76474762	0.098518007	0.005356364	0.0009953	12.52032852	0.043611009	4.867119312	0.0009953	0.0009953	4.9765E-06	0.007987026	0.001099564	0.011690265	0.016871886	4.9765E-06	15.55739021	1.37306E-05	0.000200389	0.00012938
2047 Dec	49.80656815	0.098636091	0.00535932	0.000996069	12.53131104	0.043648392	4.871656418	0.000996069	0.000996069	4.98035E-06	0.007994675	0.00110043	0.011699006	0.0168857	4.98035E-06	15.57025242	1.3745E-05	0.00020054	0.00012948
2048 Jan	49.88456345	0.098700151	0.005382118	0.000996383	12.55129719	0.043647904	4.878394604	0.000996383	0.000996383	4.98192E-06	0.00799631	0.001101883	0.011699442	0.016927356	4.98192E-06	15.60262966	1.37546E-05	0.000200925	0.000130216
2048 Feb	49.99431992	0.098777249	0.005414385	0.000996901	12.57919598	0.043649409	4.887701988	0.000996901	0.000996901	4.98451E-06	0.007998575	0.001103965	0.011701216	0.01698558	4.98451E-06	15.64799404	1.37673E-05	0.000201473	0.000131236
2048 Mar	50.04425049	0.098800376	0.005430807	0.000996994	12.59191132	0.043642025	4.891814232	0.000996994	0.000996994	4.98497E-06	0.007998298	0.001104882	0.011699977	0.017013859	4.98497E-06	15.66957474	1.37715E-05	0.000201732	0.000131762
2048 Apr	50.5003624	0.099431068	0.00551965	0.001002856	12.70722198	0.043857701	4.933651447	0.001002856	0.001002856	5.01428E-06	0.008041673	0.001114292	0.011760446	0.017209347	5.01428E-06	15.83365345	1.38631E-05	0.000203775	0.000134376
2048 May	51.88129807	0.102004193	0.005691389	0.001028619	13.05473232	0.044960983	5.067006588	0.001028619	0.001028619	5.14309E-06	0.008246294	0.001144423	0.012058056	0.017700972	5.14309E-06	16.27761269	1.42256E-05	0.000209458	0.000138788
2048 Jun	38.34854507	0.030266309	0.00653879	0.000973946	7.310759068	0.02488195	2.633158684	0.000973946	0.000973946	4.86973E-06	0.007382346	0.000902289	0.010126541	0.012385326	4.86973E-06	10.96434307	1.99336E-05	0.000196497	0.00010729
2048 Jul	36.50011826	0.009656422	0.006406988	0.00105446	6.961024761	0.030355802	2.605592251	0.00105446	0.00105446	5.2723E-06	0.00656692	0.001026692	0.009378506	0.013081065	5.2723E-06	10.797925	1.52027E-05	0.000162245	0.000105487
2048 Aug	41.30873108	0.029680589	0.006073903	0.001041444	9.567813873	0.04035398	3.508371592	0.001041444	0.001041444	5.20722E-06	0.005886453	0.001093467	0.0113183	0.014664511	5.20722E-06	12.97631359	7.90262E-06	0.000172771	0.000104155
2048 Sep	47.11064529	0.071590878	0.005651101	0.00101734	11.71042442	0.043911576	4.40476656	0.00101734	0.00101734	5.0867E-06	0.006989045	0.001100835	0.012229335	0.016014744	5.0867E-06	14.80326939	1.00102E-05	0.000195152	0.000114614
2048 Oct	48.99201202	0.094827116	0.005218129	0.000997748	12.35498524	0.044139154	4.793379784	0.000997748	0.000997748	4.98874E-06	0.007806857	0.001095953	0.011777121	0.016558325	4.98874E-06	15.30639362	1.28325E-05	0.00019617	0.000122538
2048 Nov	49.52392578	0.099062942	0.005171149	0.000999106	12.51696014	0.044378269	4.878890991	0.000999106	0.000999106	4.99553E-06	0.00797638	0.001100166	0.01175699	0.016723003	4.99553E-06	15.45872498	1.3353E-05	0.000197233	0.000124395
2048 Dec	49.56177139	0.099174052	0.005173956	0.000999764	12.52683258	0.044409532	4.88298893	0.000999764	0.000999764	4.99882E-06	0.007983412	0.001100922	0.011764339	0.016735615	4.99882E-06	15.47038555	1.33674E-05	0.000197372	0.000124496
2049 Jan	49.63772202	0.099222586	0.005198356	0.000999889	12.54624271	0.044398159	4.889369965	0.000999889	0.000999889	4.99944E-06	0.007983504	0.001102291	0.011762163	0.016778324	4.99944E-06	15.50302124	1.33757E-05	0.000197761	0.000125291
2049 Feb	49.7346077	0.09926004	0.005231311	0.000999983	12.57087994	0.044378586	4.897252083	0.000999983	0.000999983	4.99992E-06	0.00798223	0.00110405	0.011758539	0.016834233	4.99992E-06	15.54542923	1.33835E-05	0.00019827	0.00012635
2049 Mar	49.84205246	0.099389538	0.005255016	0.001001134	12.59811878	0.044416692	4.906928539	0.001001134	0.001001134	5.00567E-06	0.007990307	0.001106222	0.011769487	0.016883194	5.00567E-06	15.58561897	1.34024E-05	0.000198764	0.000127066
2049 Apr	50.16873169	0.099992432	0.005296544	0.001007119	12.68073654	0.044674806	4.938573837	0.001007119	0.001007119	5.03559E-06	0.008037441	0.001113351	0.011838368	0.017001044	5.03559E-06	15.69154453	1.34845E-05	0.000200105	0.000128152
2049 May	52.48015976	0.101544313	0.005907948	0.001031124	13.22322845	0.045066163	5.121680737	0.001031124	0.001031124	5.15562E-06	0.008192842	0.001160085	0.012029018	0.018099671	5.15562E-06	16.56682777	1.40231E-05	0.000211848	0.000145715
2049 Jun	38.1569252	0.022139829	0.007064513	0.000980258	6.952396393	0.022548854	2.449108362	0.000980258	0.000980258	4.90129E-06	0.007346721	0.00090236	0.009973977	0.012469281	4.90129E-06	10.88831234	2.0922E-05	0.00020245	0.000115744
2049 Jul	36.04493713	0.009577819	0.006283107	0.001042434	6.936050892	0.030548221	2.60759902	0.001042434	0.001042434	5.21217E-06	0.006419573	0.001021922	0.009206631	0.013017572	5.21217E-06	10.71587563	1.45427E-05	0.000157739	0.000104488
2049 Aug	39.88122177	0.017210862	0.006426919	0.001103787	8.41579628	0.037333511	3.163134098	0.001103787	0.001103787	5.51894E-06	0.006405148	0.00112607	0.010327841	0.014578134	5.51894E-06	12.24257469	1.16782E-05	0.000164839	0.00011054
2049 Sep	46.82581329	0.073819891	0.005586975	0.001025985	11.42739391	0.042725705	4.377563953	0.001025985	0.001025985	5.12993E-06	0.007356342	0.001104507	0.011633012	0.016053401	5.12993E-06	14.59813213	1.20252E-05	0.000190533	0.000118481
2049 Oct	49.26086807	0.098885342	0.005150795	0.001000197	12.37636089	0.043880094	4.847319603	0.001000197	0.001000197	5.00098E-06	0.008054405	0.001098963	0.011547494	0.016681049	5.00098E-06	15.3409729	1.39001E-05	0.000195233	0.000125143
2049 Nov	49.60836029	0.101034395	0.005137435	0.00100184	12.48792076	0.044116639	4.898069382	0.00100184	0.00100184	5.0092E-06	0.008132797	0.001102409	0.011581737	0.016784554	5.0092E-06	15.44807529	1.40836E-05	0.000196254	0.00012606
2049 Dec	49.65312576	0.101155877	0.005141033	0.001002631	12.49969578	0.04415492	4.902834415	0.001002631	0.001002631	5.01316E-06	0.008140586	0.001103314	0.011591201	0.016799401	5.01316E-06	15.46199131	1.40981E-05	0.000196424	0.000126174
2050 Jan	49.73683929	0.101212166	0.005167055	0.001002847	12.5211668	0.04414754	4.909912109	0.001002847	0.001002847	5.01424E-06	0.008141136	0.00110484	0.011590305	0.016845439	5.01424E-06	15.49751472	1.41067E-05	0.00019685	0.000127013
2050 Feb	49.83727264	0.101248085	0.005201437	0.00100293	12.54675388	0.044126723	4.918059826	0.00100293	0.00100293	5.01465E-06	0.008139549	0.00110666	0.011586519	0.016903546	5.01465E-06	15.5416069	1.4114E-05	0.000197379	0.000128117
2050 Mar	49.90077972	0.101285562	0.005221079	0.001003153	12.56290627	0.044123199	4.923367023	0.001003153	0.001003153	5.01576E-06	0.008140126	0.001107847	0.011586509	0.016938178	5.01576E-06	15.5683651	1.41204E-05	0.000197702	0.00012874
2050 Apr	50.15134048	0.101741932	0.005254715	0.001007588	12.62608051	0.044310674	4.947540283	0.001007588	0.001007588	5.03794E-06	0.008175413	0.001113283	0.011636261	0.017030694	5.03794E-06	15.65050125	1.41847E-05	0.000198735	0.000129649
2050 May	51.87275696	0.10322848	0.005670897	0.001027829	13.03451824	0.04477831	5.088703632	0.001027829	0.001027829	5.13914E-06	0.00831421	0.001148569	0.011815253	0.017815607	5.13914E-06	16.28618813	1.45959E-05	0.000207207	0.000141497
2050 Jun	41.70653152	0.025391405	0.00809438	0.000991048	7.888523102	0.022557564	2.767846107	0.000991048	0.000991048	4.95524E-06	0.007392118	0.000968227	0.009953317	0.014398661	4.95524E-06	12.38545418	2.12293E-05	0.000219494	0.000149896
2050 Jul	35.47265625	0.009142155	0.005982532	0.001035807	7.094497204	0.032813258	2.720185518	0.001035807	0.001035807	5.17903E-06	0.006030952	0.001045876	0.008831425	0.01326709	5.17903E-06	10.77701283	1.21688E-05	0.000143622	0.000103766
2050 Aug	37.51414108	0.013650993	0.005839884	0.001071939	8.17599678	0.039046638	3.17090559	0.001071939	0.001071939	5.35969E-06	0.005720685	0.001134211	0.009248767	0.014493147	5.35969E-06	11.81789494	8.45081E-06	0.000136793	0.000107276
2050 Sep	44.83238602	0.061061952	0.00557569	0.001029697	10.8664341	0.042724993	4.161920071	0.001029697	0.001029697	5.14849E-06	0.006838887	0.001112986	0.011201799	0.015761528	5.14849E-06	14.08409119	1.02559E-05	0.000177467	0.000114919
2050 Oct	47.29036331	0.076814786	0.005490473	0.001036101	11.64111519	0.04400418	4.505126953	0.001036101	0.001036101	5.1805E-06	0.007418429	0.00112832	0.011494335	0.016406585	5.1805E-06	14.81380367	1.1776E-05	0.000186561	0.00012095
2050 Nov	47.59272003	0.077530339	0.005518505	0.00104182	11.71878147	0.044266295	4.536011696	0.00104182	0.00104182	5.2091E-06	0.007469561	0.001134707	0.011562007	0.016507518	5.2091E-06	14.90775013	1.18687E-05	0.000187743	0.000121718
2050 Dec	47.64104462	0.077725157	0.00552045	0.001042409	11.73235512	0.04430129	4.541694164	0.001042409	0.001042409	5.21205E-06	0.00747906	0.001135432	0.011570738	0.016522231	5.21205E-06	14.92249012	1.18897E-05	0.000187927	0.000121839
2051 Jan	47.73672485	0.077831589	0.005548338	0.001042561	11.75738239	0.044292495	4.550146103	0.001042561	0.001042561	5.21281E-06	0.007480875	0.001137042	0.011569689	0.016573332	5.21281E-06	14.96253109	1.19034E-05	0.000188411	0.000122771
2051 Feb	47.85231018	0.077899978	0.005586143	0.001042676	11.78706551	0.044272173	4.559767723	0.001042676	0.001042676	5.21338E-06	0.00748027	0.001139083	0.01156626	0.016638612	5.21338E-06	15.01255035	1.19143E-05	0.000189014	0.000123998
2051 Mar	47.94684219	0.077988565	0.005610429	0.001043426	11.81100941	0.044290263	4.568016052	0.001043426	0.001043426	5.21713E-06	0.007484868	0.001140946	0.011572011	0.016685156	5.21713E-06	15.04970455	1.19281E-05	0.000189467	0.000124748
2051 Apr	48.28800201	0.078506172	0.005657924	0.001050101	11.89542866	0.04456576	4.600086212	0.001050101	0.001050101	5.25051E-06	0.007532308	0.001148844	0.011644579	0.016811695	5.25051E-06	15.16107559	1.20074E-05	0.000190861	0.000125924
2051 May	53.07192993	0.079297133	0.007322782	0.001067561	12.98930645	0.043278754	4.936452866	0.001067561	0.001067561	5.33781E-06	0.007612461	0.001234788	0.01159952	0.019429833	5.33781E-06	17.14976311	1.3094E-05	0.000218304	0.000175983
2051 Jun	54.45037079	0.038056221	0.012247699	0.000919269	11.7581501	0.020632068	4.068293571	0.000919269	0.000919269	4.59635E-06	0.006526848	0.001185086	0.008713788	0.022403369	4.59635E-06	18.48836708	1.91015E-05	0.000276856	0.000302544
2051 Jul	50.87413406	0.032412946	0.011202706	0.00094268	10.62836647	0.020945325	3.679547787	0.00094268	0.00094268	4.7134E-06	0.006724563	0.001130077	0.009006987	0.020254459	4.7134E-06	16.8039856	1.96723E-05	0.000261123	0.000262229
2051 Aug	51.33164597	0.033254381	0.011028058	0.000972021	10.83817387	0.02326473	3.770565271	0.000972021	0.000972021	4.86011E-06	0.006784664	0.001155405	0.009418656	0.020307181	4.86011E-06	16.92132187	1.89528E-05	0.000259577	0.000255437
2051 Sep	49.75510788	0.037619729	0.010229017	0.000947789	10.68671131	0.02448548	3.757951736	0.000947789	0.000947789	4.73895E-06	0.006678791	0.001118808	0.009394023	0.019429756	4.73895E-06	16.33091164	1.78462E-05	0.000247297	0.000236831
2051 Oct	46.59479523	0.045506779	0.008814029	0.000891339	10.29010296	0.025693096	3.697576523	0.000891339	0.000891339	4.45669E-06	0.006483157	0.001042374	0.00907634	0.01781347	4.45669E-06	15.17316151	1.62506E-05	0.000224094	0.00020605
2051 Nov	46.66598892	0.046577554	0.008752937	0.000893066	10.33331871	0.026001541	3.72059989	0.000893066	0.000893066	4.46533E-06	0.006515333	0.001043443	0.009117392	0.017803455	4.46533E-06	15.18460941	1.62304E-05	0.000223706	0.000204831
2051 Dec	46.69451141	0.04662104	0.008757168	0.000893617	10.34004593	0.026021469	3.723134518	0.000893617	0.000893617	4.46809E-06	0.00651965	0.001044073	0.009123372	0.017813778	4.46809E-06	15.19371414	1.62397E-05	0.000223832	0.000204934
2052 Jan	46.70291138	0.046633694	0.008758952	0.00089369	10.34228516	0.026024427	3.723943949	0.00089369	0.00089369	4.46845E-06	0.006520207	0.001044236	0.009124061	0.017817689	4.46845E-06	15.19692993	1.62408E-05	0.000223869	0.000204992
2052 Feb	46.72413254	0.046653759	0.008763736	0.000893973	10.34731197	0.026032016	3.725706339	0.000893973	0.000893973	4.46986E-06	0.00652217	0.001044681	0.009126713	0.017827014	4.46986E-06	15.20457745	1.62461E-05	0.000223971	0.000205125
2052 Mar	46.79484558	0.046723757	0.008777436	0.000895259	10.3631506	0.026069114	3.731383324	0.000895259	0.000895259	4.47629E-06	0.006531499	0.001046246	0.009139716	0.017854659	4.47629E-06	15.22799206	1.62695E-05	0.00022431	0.000205457
2052 Apr	46.94128418	0.046869636	0.008805146	0.000898023	10.39567947	0.026149411	3.743081093	0.000898023	0.000898023	4.49011E-06	0.006551636	0.001049511	0.009167866	0.017910903	4.49011E-06	15.27586937	1.63198E-05	0.000225013	0.000206112
2052 May	48.67395782	0.048028693	0.009291184	0.000911396	10.81505585	0.026288878	3.883327961	0.000911396	0.000911396	4.55698E-06	0.006632185	0.001083341	0.009256168	0.018778233	4.55698E-06	15.9588995	1.66471E-05	0.000233831	0.00022071
2052 Jun	51.14942932	0.047154885	0.010287924	0.000914241	11.35510349	0.025032965	4.037097931	0.000914241	0.000914241	4.5712E-06	0.006607667	0.001126892	0.009118661	0.020237936	4.5712E-06	17.0342598	1.72245E-05	0.000249036	0.000250562
2052 Jul	51.79633713	0.046547528	0.010356584	0.000946407	11.46259785	0.026174149	4.086188316	0.000946407	0.000946407	4.73204E-06	0.006761171	0.001155155	0.009358685	0.020460887	4.73204E-06	17.2000103	1.74248E-05	0.000250547	0.000250176
2052 Aug	52.98408127	0.047453795	0.010535578	0.000975005	11.7442627	0.027313756	4.190328121	0.000975005	0.000975005	4.87503E-06	0.006919095	0.001186662	0.009660225	0.020901829	4.87503E-06	17.58338547	1.76175E-05	0.000255346	0.000253645
2052 Sep	52.74662018	0.048464771	0.010359276	0.000974143	11.7389679	0.027808541	4.196382523	0.000974143	0.000974143	4.87072E-06	0.006916052	0.001181663	0.009730582	0.020719478	4.87072E-06	17.47809982	1.73591E-05	0.000253176	0.000248894
2052 Oct	52.76369858	0.049556617	0.010280035	0.000975388	11.76955223	0.028114129	4.21540451	0.000975388	0.000975388	4.87694E-06	0.006947874	0.001181482	0.009770281	0.020679159	4.87694E-06	17.46691704	1.7335E-05	0.000252517	0.000247152
2052 Nov	52.95190048	0.04975415	0.010315112	0.000978885	11.81205082	0.028220134	4.230781555	0.000978885	0.000978885	4.89443E-06	0.006973228	0.001185686	0.009805837	0.020752015	4.89443E-06	17.52889633	1.73962E-05	0.000253403	0.000247998
2052 Dec	52.978405	0.049787086	0.010319656	0.000979382	11.81816196	0.028236473	4.233030796	0.000979382	0.000979382	4.89691E-06	0.006976939	0.001186275	0.009811016	0.020762049	4.89691E-06	17.53754425	1.74047E-05	0.000253524	0.000248109
2053 Jan	52.98972321	0.049800243	0.010321924	0.00097955	11.8208704	0.028241772	4.234005451	0.00097955	0.00097955	4.89775E-06	0.006978163	0.001186516	0.009812688	0.020766782	4.89775E-06	17.541502	1.74076E-05	0.000253577	0.000248171

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Feb	53.01638412	0.049825039	0.010327486	0.000979984	11.82697487	0.028253973	4.236170292	0.000979984	0.000979984	4.89992E-06	0.006981212	0.001187098	0.009816926	0.020777797	4.89992E-06	17.55067253	1.74154E-05	0.000253705	0.000248314
2053 Mar	53.1036644	0.049906917	0.010344688	0.000981565	11.84653091	0.028299389	4.243163109	0.000981565	0.000981565	4.90783E-06	0.006992452	0.001189044	0.009832705	0.02081231	4.90783E-06	17.57975388	1.74436E-05	0.000254123	0.000248733
2053 Apr	53.37166214	0.050158698	0.01039701	0.000986501	11.90636539	0.028441578	4.264587402	0.000986501	0.000986501	4.9325E-06	0.007027596	0.00119504	0.009882108	0.020917522	4.9325E-06	17.66858292	1.75313E-05	0.000255405	0.000249994
2053 May	55.72557449	0.05156016	0.011127857	0.000995448	12.4916544	0.028239213	4.455859184	0.000995448	0.000995448	4.97724E-06	0.007067937	0.001238257	0.009890029	0.022183547	4.97724E-06	18.64805222	1.78716E-05	0.000267684	0.000272936
2053 Jun	56.17444229	0.049560461	0.011765963	0.000945316	12.64247799	0.02557095	4.469649315	0.000945316	0.000945316	4.72658E-06	0.006674474	0.00123132	0.009222411	0.022958988	4.72658E-06	19.1312809	1.75041E-05	0.000272843	0.000296835
2053 Jul	57.59796906	0.050355721	0.012049816	0.000977917	12.92159748	0.026351897	4.568039894	0.000977917	0.000977917	4.88958E-06	0.00690601	0.001265033	0.009539364	0.023477342	4.88958E-06	19.56920624	1.8147E-05	0.000280091	0.000302489
2053 Aug	60.31291962	0.052710172	0.012590724	0.001026869	13.53796768	0.02781475	4.787196636	0.001026869	0.001026869	5.13435E-06	0.007235996	0.001326357	0.01003157	0.024564739	5.13435E-06	20.48410225	1.89281E-05	0.000292975	0.000315667
2053 Sep	62.15859604	0.0543974	0.012960908	0.001059159	13.95726299	0.02875812	4.935856342	0.001059159	0.001059159	5.29579E-06	0.007460056	0.0013672	0.010360068	0.025303125	5.29579E-06	21.10676384	1.94762E-05	0.000301844	0.000324779
2053 Oct	62.59615707	0.05500228	0.013033646	0.001067039	14.06052494	0.029030513	4.974150181	0.001067039	0.001067039	5.33519E-06	0.007520328	0.00137678	0.010443265	0.025469482	5.33519E-06	21.25061417	1.961E-05	0.000303811	0.000326617
2053 Nov	62.52434921	0.055185236	0.012998184	0.001066285	14.04994774	0.029074756	4.972376823	0.001066285	0.001066285	5.33143E-06	0.0075203	0.001375151	0.010442667	0.02542722	5.33143E-06	21.22099113	1.95839E-05	0.000303288	0.000325745
2053 Dec	62.53713989	0.055206131	0.013000043	0.001066522	14.05303955	0.029083733	4.973547935	0.001066522	0.001066522	5.33261E-06	0.007522174	0.001375431	0.010445247	0.025431912	5.33261E-06	21.22512817	1.95878E-05	0.000303344	0.000325793
2054 Jan	62.54412842	0.055215608	0.013001478	0.001066603	14.05480957	0.029086601	4.974187374	0.001066603	0.001066603	5.33302E-06	0.007522785	0.001375573	0.010446049	0.025434999	5.33302E-06	21.22768784	1.95891E-05	0.000303375	0.000325836
2054 Feb	62.55939484	0.05522912	0.013005001	0.001066804	14.05841255	0.029091781	4.975444317	0.001066804	0.001066804	5.33402E-06	0.007524155	0.001375893	0.010447899	0.025441773	5.33402E-06	21.23321915	1.95929E-05	0.000303449	0.000325934
2054 Mar	62.56692886	0.055235785	0.013006756	0.0010669	14.06019878	0.02909424	4.976065636	0.0010669	0.0010669	5.3345E-06	0.007524806	0.001376051	0.010448774	0.025445146	5.3345E-06	21.23596764	1.95947E-05	0.000303486	0.000325983
2054 Apr	62.81510925	0.055454895	0.013058458	0.001071113	14.11602402	0.029209044	4.995817184	0.001071113	0.001071113	5.35557E-06	0.007554509	0.001381504	0.010490002	0.025546253	5.35557E-06	21.32030869	1.96721E-05	0.00030469	0.000327282
2054 May	63.9193573	0.056307871	0.013335345	0.001083693	14.37595558	0.029467104	5.084748745	0.001083693	0.001083693	5.41847E-06	0.007638813	0.00140408	0.010597492	0.026056876	5.41847E-06	21.7312336	1.99369E-05	0.000310205	0.000335155
2054 Jun	61.46789932	0.052234564	0.013113878	0.001021038	13.78994656	0.026826799	4.853657722	0.001021038	0.001021038	5.10519E-06	0.007188364	0.001343017	0.009891472	0.025291575	5.10519E-06	21.0134201	1.92201E-05	0.000300728	0.000331842
2054 Jul	59.58660889	0.049501099	0.012648975	0.001013258	13.28911591	0.026641991	4.682775497	0.001013258	0.001013258	5.06629E-06	0.007104894	0.001312227	0.009786834	0.024392245	5.06629E-06	20.26941872	1.89383E-05	0.000291216	0.000316759
2054 Aug	60.03871918	0.049935155	0.012664681	0.001028275	13.4138689	0.027456628	4.729657173	0.001028275	0.001028275	5.14137E-06	0.007170565	0.001326114	0.009986874	0.024515292	5.14137E-06	20.40124512	1.88684E-05	0.000292623	0.00031601
2054 Sep	60.12281799	0.050520919	0.012598935	0.001033912	13.46000671	0.027970586	4.749027729	0.001033912	0.001033912	5.16956E-06	0.007197892	0.001329041	0.01010746	0.024479449	5.16956E-06	20.40735054	1.87468E-05	0.000292476	0.000313603
2054 Oct	59.53391266	0.051231198	0.012376728	0.001025891	13.35526085	0.028064435	4.721653461	0.001025891	0.001025891	5.12946E-06	0.007168693	0.001315691	0.010061505	0.024177354	5.12946E-06	20.18255043	1.85471E-05	0.000288771	0.000308168
2054 Nov	59.34267426	0.051532514	0.012298777	0.00102341	13.32283497	0.028116483	4.713886738	0.00102341	0.00102341	5.11705E-06	0.007161633	0.001311337	0.010049692	0.024075599	5.11705E-06	20.10808945	1.84813E-05	0.000287519	0.000306264
2054 Dec	59.37663651	0.051571541	0.012305033	0.001024012	13.33067417	0.028135482	4.71673584	0.001024012	0.001024012	5.12006E-06	0.007166057	0.001312084	0.010055862	0.024088884	5.12006E-06	20.11939812	1.84917E-05	0.000287677	0.000306421
2055 Jan	59.38211823	0.051579636	0.012306158	0.001024069	13.33210278	0.02813765	4.717254162	0.001024069	0.001024069	5.12034E-06	0.007166492	0.001312193	0.010056418	0.024091354	5.12034E-06	20.12144661	1.84927E-05	0.000287701	0.000306456
2055 Feb	59.38771439	0.051584605	0.012307662	0.001024106	13.33352757	0.028138375	4.717740059	0.001024106	0.001024106	5.12053E-06	0.007166709	0.001312302	0.010056668	0.024094183	5.12053E-06	20.12368584	1.84934E-05	0.000287728	0.000306503
2055 Mar	59.41218567	0.051605918	0.012312919	0.001024496	13.33911324	0.028148919	4.719706535	0.001024496	0.001024496	5.12248E-06	0.007169412	0.001312834	0.010060431	0.024104415	5.12248E-06	20.13216591	1.85005E-05	0.000287847	0.000306639
2055 Apr	59.59443283	0.051764254	0.012350797	0.00102762	13.38008404	0.028234664	4.734197617	0.00102762	0.00102762	5.1381E-06	0.007191261	0.001316856	0.010091074	0.024178529	5.1381E-06	20.19402885	1.85569E-05	0.00028873	0.000307586
2055 May	60.37896729	0.052445695	0.012513436	0.00104114	13.55624676	0.028606102	4.796525955	0.00104114	0.00104114	5.2057E-06	0.007285872	0.00133419	0.010223827	0.0244969	5.2057E-06	20.45991898	1.88011E-05	0.000292531	0.000311637
2055 Jun	54.46650696	0.044467766	0.011233138	0.000991018	11.93512821	0.026219215	4.213497639	0.000991018	0.000991018	4.95509E-06	0.006996174	0.00121371	0.009755971	0.021652374	4.95509E-06	18.13760376	1.84959E-05	0.000267512	0.000269713
2055 Jul	53.27152634	0.042130645	0.010948688	0.000994456	11.54946136	0.026000421	4.076192856	0.000994456	0.000994456	4.97228E-06	0.007027428	0.00119422	0.009782084	0.020991812	4.97228E-06	17.60157204	1.86956E-05	0.000262692	0.000258426
2055 Aug	55.1572876	0.043554656	0.011307716	0.001033053	11.96760559	0.027186386	4.226446629	0.001033053	0.001033053	5.16527E-06	0.007277811	0.001239228	0.010163486	0.021726498	5.16527E-06	18.22065163	1.92579E-05	0.00027144	0.000266564
2055 Sep	55.14093399	0.044181384	0.011222444	0.001035308	11.99869442	0.027624894	4.241101742	0.001035308	0.001035308	5.17654E-06	0.007283407	0.001239461	0.010247997	0.021662459	5.17654E-06	18.20113373	1.90769E-05	0.00027071	0.000264009
2055 Oct	55.40602875	0.044838872	0.01124284	0.00104054	12.06809998	0.027878404	4.269023418	0.00104054	0.00104054	5.2027E-06	0.007329324	0.001245182	0.010310676	0.021748772	5.2027E-06	18.28266144	1.9152E-05	0.000271696	0.000264566
2055 Nov	55.52209091	0.045049671	0.01125758	0.001042787	12.09645844	0.027968498	4.279943943	0.001042787	0.001042787	5.21393E-06	0.00734754	0.001247728	0.010335797	0.02178965	5.21393E-06	18.31939125	1.91877E-05	0.000272182	0.000264933
2055 Dec	55.53852463	0.045077994	0.011259782	0.001043104	12.10043335	0.027980842	4.281464577	0.001043104	0.001043104	5.21552E-06	0.007350081	0.001248089	0.010339308	0.021795496	5.21552E-06	18.32461166	1.91929E-05	0.000272252	0.000264987
2056 Jan	55.55046844	0.045092441	0.011262232	0.001043265	12.10334682	0.027986016	4.282511234	0.001043265	0.001043265	5.21633E-06	0.007351263	0.001248338	0.010340897	0.021800619	5.21633E-06	18.32887077	1.91957E-05	0.000272307	0.000265057
2056 Feb	55.56238556	0.045102682	0.011265127	0.001043401	12.10621166	0.027989293	4.283501625	0.001043401	0.001043401	5.217E-06	0.007352157	0.001248583	0.010342083	0.021806119	5.217E-06	18.3333168	1.91983E-05	0.000272365	0.00026514
2056 Mar	55.59430313	0.045128904	0.01127186	0.001043952	12.11331272	0.028003888	4.286001205	0.001043952	0.001043952	5.21976E-06	0.007356009	0.001249288	0.010347462	0.021819096	5.21976E-06	18.34412956	1.92084E-05	0.000272522	0.000265307
2056 Apr	55.80051804	0.045296475	0.011313817	0.001047797	12.1583271	0.02810693	4.301921368	0.001047797	0.001047797	5.23899E-06	0.007383086	0.001253915	0.010385528	0.021900281	5.23899E-06	18.41233063	1.92792E-05	0.000273532	0.000266299
2056 May	57.3263855	0.046422027	0.011749669	0.001057106	12.53629589	0.028165199	4.428364277	0.001057106	0.001057106	5.28553E-06	0.007438259	0.001282894	0.010436783	0.022682609	5.28553E-06	19.02630043	1.95304E-05	0.000281263	0.000279771
2056 Jun	57.24926376	0.045423903	0.012143888	0.001001592	12.61223698	0.0258427	4.429114819	0.001001592	0.001001592	5.00796E-06	0.007024674	0.001265479	0.00975389	0.0231738	5.00796E-06	19.30480576	1.8894E-05	0.000282449	0.000297732
2056 Jul	59.12505341	0.046500385	0.012515845	0.001043187	12.99900246	0.026952051	4.567636013	0.001043187	0.001043187	5.21593E-06	0.007303005	0.001311156	0.010143829	0.023891345	5.21593E-06	19.90220642	1.96071E-05	0.000291466	0.000305675
2056 Aug	60.39935303	0.047371257	0.01273432	0.001072264	13.29149055	0.028001141	4.675425529	0.001072264	0.001072264	5.36132E-06	0.007469855	0.001344376	0.010427543	0.024387188	5.36132E-06	20.32009315	1.98809E-05	0.000296798	0.00031038
2056 Sep	61.63476563	0.048835974	0.012947275	0.00109543	13.57891369	0.028782926	4.780184746	0.00109543	0.00109543	5.47715E-06	0.007636808	0.001371921	0.010676515	0.02485442	5.47715E-06	20.7250042	2.02444E-05	0.000302478	0.000315468
2056 Oct	60.89923096	0.049493469	0.012694093	0.001083944	13.44693851	0.028803568	4.743430614	0.001083944	0.001083944	5.41972E-06	0.007583055	0.001355084	0.010597349	0.024499295	5.41972E-06	20.45570564	1.99722E-05	0.000297996	0.00030944
2056 Nov	60.85186768	0.049744084	0.01266122	0.001083471	13.44349003	0.028866045	4.74447155	0.001083471	0.001083471	5.41736E-06	0.007585871	0.001353922	0.010600354	0.0244666	5.41736E-06	20.43467331	1.99495E-05	0.00029756	0.000308672
2056 Dec	60.8747673	0.049772613	0.012665204	0.001083891	13.44878674	0.028879788	4.746417999	0.001083891	0.001083891	5.41946E-06	0.007589023	0.001354428	0.010604724	0.024475347	5.41946E-06	20.44219017	1.99568E-05	0.000297666	0.00030877
2057 Jan	60.88645172	0.049785789	0.012667617	0.001084058	13.45158672	0.028884897	4.747419834	0.001084058	0.001084058	5.42029E-06	0.007590227	0.001354674	0.010606358	0.024480307	5.42029E-06	20.44631767	1.99597E-05	0.00029772	0.000308837
2057 Feb	60.89597321	0.049793977	0.012669933	0.001084166	13.45387745	0.028887505	4.748211861	0.001084166	0.001084166	5.42083E-06	0.007590938	0.00135487	0.010607298	0.024484709	5.42083E-06	20.44987297	1.99618E-05	0.000297767	0.000308904
2057 Mar	60.95695877	0.04984406	0.012682806	0.001085218	13.467453	0.028915392	4.752994061	0.001085218	0.001085218	5.42609E-06	0.00759828	0.001356218	0.010617529	0.024509544	5.42609E-06	20.47055054	1.99812E-05	0.000298065	0.000309223
2057 Apr	61.19524002	0.050039023	0.012732487	0.001089441	13.52015591	0.029027825	4.771588802	0.001089441	0.001089441	5.4472E-06	0.007627833	0.001361515	0.010658809	0.024605529	5.4472E-06	20.55068207	2.00589E-05	0.00029923	0.000310438
2057 May	62.40775299	0.050995935	0.013015325	0.001106463	13.79826641	0.029431043	4.86791563	0.001106463	0.001106463	5.53232E-06	0.007744541	0.001387208	0.010815242	0.025136095	5.53232E-06	20.98373795	2.03939E-05	0.000305235	0.000318057
2057 Jun	58.96459198	0.046334106	0.012488184	0.001041628	12.94355488	0.026782114	4.547456264	0.001041628	0.001041628	5.20814E-06	0.007309441	0.001306922	0.010124242	0.023806557	5.20814E-06	19.83178139	1.96971E-05	0.000291051	0.000304685
2057 Jul	59.82804871	0.046409421	0.012645249	0.001069374	13.07653999	0.027392874	4.594403744	0.001069374	0.001069374	5.34687E-06	0.007506318	0.001329828	0.010392173	0.02406412	5.34687E-06	20.05518532	2.02606E-05	0.000295693	0.000306382
2057 Aug	63.78594208	0.049464073	0.01346723	0.001141722	13.94591522	0.029330295	4.900995731	0.001141722	0.001141722	5.70861E-06	0.008004709	0.001418956	0.011098855	0.025649315	5.70861E-06	21.37899971	2.15572E-05	0.000315021	0.000326119
2057 Sep	64.79456329	0.05066007	0.013636803	0.001161025	14.18167114	0.029999785	4.986793995	0.001161025	0.001161025	5.80512E-06	0.008141804	0.001441552	0.011311312	0.026025495	5.80512E-06	21.70780945	2.18432E-05	0.000319648	0.000330071
2057 Oct	64.64626312	0.05122003	0.013552028	0.001159157	14.16616535	0.030129995	4.9866395	0.001159157	0.001159157	5.79578E-06	0.008142559	0.001438007	0.01131088	0.025935031	5.79578E-06	21.64682579	2.17725E-05	0.000318432	0.000328103
2057 Nov	64.79784393	0.051430859	0.013576612	0.00116198	14.20165634	0.030227335	4.999843121	0.00116198	0.00116198	5.8099E-06	0.008164253	0.001441345	0.011340817	0.025991693	5.8099E-06	21.69606209	2.18208E-05	0.000319113	0.000328709
2057 Dec	64.82717896	0.051463243	0.01358204	0.001162517	14.2083149	0.030243699	5.002258778	0.001162517	0.001162517	5.81259E-06	0.008168211	0.001441994	0.011346295	0.026003046	5.81259E-06	21.70573616	2.18304E-05	0.000319251	0.000328842
2058 Jan	64.83072662	0.051469516	0.013582758	0.001162542	14.2093029	0.03024501	5.002620697	0.001162542	0.001162542	5.81271E-06	0.008168421	0.001442061	0.011346546	0.026004719	5.81271E-06	21.70711517	2.18308E-05	0.000319266	0.000328867
2058 Feb	64.83719635	0.051475137	0.013584411	0.001162601	14.21090031	0.030246321	5.00316906	0.001162601	0.001162601	5.81301E-06	0.008168793	0.00144219	0.011347016	0.02600784	5.81301E-06	21.7096138	2.18319E-05	0.000319298	0.000328917
2058 Mar	64.85875702	0.05149252	0.013589092	0.001162957	14.21572495	0.03025545	5.004859447	0.001162957	0.001162957	5.81478E-06	0.008171269	0.001442662	0.011350429	0.026016776	5.81478E-06	21.71701431	2.18386E-05	0.000319404	0.000329035
2058 Apr	65.02075195	0.051621284	0.013623126	0.001165844	14.25128746	0.030330488	5.017375469	0.001165844	0.001165844	5.82922E-06	0.008191541	0.001446261	0.011378572	0.026081923	5.82922E-06	21.7713604	2.18928E-05	0.000320202	0.000329862
2058 May	66.48820496	0.052700534	0.014068412	0.001170481	14.62613392	0.030238535	5.141479969	0.001170481	0.001170481	5.85241E-06	0.008211709	0.001472938	0.011377536	0.026874162	5.85241E-06	22.38641739	2.20673E-05	0.000327673	0.000344149
2058 Jun	63.31126404	0.049184095	0.013855929	0.001053024	14.03632069	0.026225684	4.904629707	0.001053024	0.001053024	5.26512E-06	0.007360074	0.001384532	0.010081831	0.026177097	5.26512E-06	21.66154671	2.03024E-05	0.000313781	0.000348349
2058 Jul	64.49920654	0.049688999	0.014090765	0.001082481	14.25958252	0.026919909	4.983406067	0.001082481	0.001082481	5.4124E-06	0.007566201	0.001413627	0.010364279	0.02659864	5.4124E-06	22.01730537	2.08761E-05	0.000319856	0.000352668
2058 Aug	66.67592621	0.051305905	0.014530852	0.00112339	14.74840832	0.028135097	5.157382011	0.00112339	0.00112339	5.61695E-06	0.007830022	0.001464386	0.010760937	0.027479097	5.61695E-06	22.75112534	2.14908E-05	0.000330069	0.000363242
2058 Sep	66.26141357	0.052273579	0.014314558	0.001120313	14.69359303	0.028512983	5.148281574	0.001120313	0.001120313	5.60157E-06	0.00782511	0.001455629	0.010790499	0.027221713	5.60157E-06	22.57768631	2.12691E-05	0.000326995	0.000357572
2058 Oct	65.8248291	0.05313798	0.014119203	0.001115215	14.62478638	0.028710512	5.13396883	0.001115215	0.001115215	5.57607E-06	0.007814866	0.001445835	0.010775182	0.026978984	5.57607E-06	22.40373039	2.11055E-05	0.000323969	0.000352777
2058 Nov	65.94049835	0.053370945	0.014132348	0.001117438	14.6537199	0.028805466	5.145255089	0.001117438	0.001117438	5.58719E-06	0.007833371	0.001448352	0.010800558	0.027019078	5.58719E-06	22.44019127	2.11399E-05	0.000324497	0.000353116
2058 Dec	65.95350647	0.053390857	0.014134351	0.001117676	14.65682793	0.028814141	5.146421909	0.001117676	0.001117676	5.58838E-06	0.007835236	0.001448636	0.010803121	0.027023915	5.58838E-06	22.44442177	2.11439E-05	0.000324494	0.000353167
2059 Jan	65.9561615	0.053396504	0.014134862	0.001117687	14.65761662	0.028815124	5.146715164	0.001117687	0.001117687	5.58844E-06	0.007835349	0.001448683	0.01080324	0.027025206	5.58844E-06	22.44548988	2.1144E-05	0.000324505	0.000353186
2059 Feb	65.96276093	0.053402271	0.014136563	0.001117745	14.65925598	0.028816398	5.147277355	0.001117745	0.001117745	5.58872E-06	0.007835712	0.001448815	0.010803694	0.027028415	5.58872E-06	22.44805336	2.11451E-05	0.000324537	0.000353238
2059 Mar	65.96633911	0.053405397	0.014137485	0.001117776	14.6601429	0.02881708	5.147582054	0.001117776	0.001117776	5.58888E-06	0.007835907	0.001448886	0.010803938	0.027030155	5.58888E-06	22.44944382	2.11457E-05	0.000324554	0.000353265
2059 Apr	66.1557312	0.053558864	0.014178164	0.001120968	14.70228672	0.028899314	5.16237545	0.001120968	0.001120968	5.60484E-06	0.007858274	0.001453041	0.010834761	0.027107917	5.60484E-06	22.51399422	2.12061E-05	0.000325486	0.000354285
2059 May	67.40151215	0.054493174	0.014512302	0.001131921	15.00297356	0.02906977	5.264030933	0.001131921	0.001131921	5.6596E-06	0.00792856	0.001477623	0.010917086	0.027714895	5.6596E-06	22.99617577	2.14585E-05	0.000331757	0.000364213
2059 Jun	67.96851349	0.054295514	0.014882732	0.001109596	15.18125057	0.027945954	5.310286522	0.001109596	0.001109596	5.54798E-06	0.007755281	0.001480791	0.010616061	0.028256541	5.54798E-06	23.3692379	2.12816E-05	0.00033557	0.000378169
2059 Jul	71.89360809	0.057225041	0.015730131	0.001178377	16.03857613	0.029658413	5.610551834	0.001178377	0.001178377	5.89189E-06	0.008235872	0.001567837	0.011274169	0.029854914	5.89189E-06	24.6943779	2.26029E-05	0.000355036	0.000398937
2059 Aug	75.54573822	0.060114607	0.016512893	0.001240145	16.85680008	0.031300437	5.897973061	0.001240145	0.001240145	6.20072E-06	0.00865831	0.001648707	0.011870016	0.031361714	6.20072E-06	25.9441185	2.37119E-05	0.00037284	0.000418574
2059 Sep	76.16336823	0.061418962	0.016565483	0.001253169	17.01719666	0.031923052	5.960560799	0.001253169	0.001253169	6.26584E-06	0.00875951	0.001662527	0.012033524	0.031559426	6.26584E-06	26.13376427	2.38535E-05	0.000375236	0.000419701
2059 Oct	72.37052155	0.061785221	0.015447088	0.001198425	16.24598503	0.031466331	5.718601227	0.001198425	0.001198425	5.99212E-06	0.008449385	0.001579494	0.011606188	0.029797323	5.99212E-06	24.75418282	2.26177E-05	0.000354069	0.000391524
2059 Nov	72.1259613	0.062111843	0.015349013	0.001195573	16.20300293	0.031537127	5.707854748	0.001195573	0.001195573	5.97787E-06	0.008440544	0.001574119	0.011593844	0.029666854	5.97787E-06	24.65831757	2.25338E-05	0.000352484	0.000389064
2059 Dec	72.13602448	0.062129889	0.015350348	0.001195761	16.20547104	0.031544626	5.70880127	0.001195761	0.001195761	5.9788E-06	0.008442067	0.001574338	0.011595931	0.029670468	5.9788E-06	24.66154099	2.25368E-05	0.000352527	0.000389098

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2060 Jan	72.14728546	0.062142886	0.015352698	0.001195915	16.20819473	0.031549364	5.709774971	0.001195915	0.001195915	5.97957E-06	0.008443186	0.001574574	0.011597432	0.029675305	5.97957E-06	24.66555405	2.25395E-05	0.000352579	0.000389165
2060 Feb	72.1607132	0.062154606	0.015355863	0.001196082	16.2113781	0.03155354	5.710880756	0.001196082	0.001196082	5.98041E-06	0.008444324	0.001574853	0.011598949	0.029681349	5.98041E-06	24.67047119	2.25428E-05	0.000352645	0.000389254
2060 Mar	72.19775391	0.062186591	0.015363914	0.001196667	16.2197876	0.031568818	5.713835239	0.001196667	0.001196667	5.98333E-06	0.008448425	0.001575654	0.011604556	0.029696867	5.98333E-06	24.68330956	2.25538E-05	0.000352826	0.000389462
2060 Apr	72.48778534	0.062436447	0.015425725	0.001201457	16.28499413	0.03169512	5.736801624	0.001201457	0.001201457	6.00729E-06	0.008482233	0.00158198	0.01165098	0.02981632	6.00729E-06	24.78256416	2.26441E-05	0.000354243	0.000391032
2060 May	73.6683197	0.063023277	0.015859418	0.001196152	16.60147858	0.031232143	5.836795807	0.001196152	0.001196152	5.98076E-06	0.008425286	0.00160111	0.011536377	0.030547105	5.98076E-06	25.33125687	2.26657E-05	0.000360535	0.000405737
2060 Jun	71.52649689	0.059938211	0.015703037	0.001127666	16.15606499	0.028716005	5.658643246	0.001127666	0.001127666	5.63833E-06	0.007917625	0.001544998	0.01077085	0.030003766	5.63833E-06	24.78922653	2.16722E-05	0.000351577	0.000406296
2060 Jul	75.35704803	0.062880807	0.016529385	0.001193998	16.99635696	0.030374486	5.953306675	0.001193998	0.001193998	5.96999E-06	0.008383169	0.001629633	0.011405054	0.031567901	5.96999E-06	26.08571815	2.29518E-05	0.000370534	0.000426705
2060 Aug	76.62445068	0.064003147	0.016733089	0.001221112	17.30067253	0.031435926	6.062566757	0.001221112	0.001221112	6.10556E-06	0.008540871	0.00166049	0.011715911	0.032036155	6.10556E-06	26.50040054	2.31692E-05	0.000376098	0.000430898
2060 Sep	73.02586365	0.062378	0.015709002	0.001177638	16.55381203	0.031317312	5.810716152	0.001177638	0.001177638	5.88819E-06	0.008206451	0.00158628	0.011475693	0.030323641	5.88819E-06	25.18161774	2.17307E-05	0.000356873	0.000402318
2060 Oct	72.05610657	0.063010246	0.015373389	0.001165738	16.36411858	0.031391226	5.756361961	0.001165738	0.001165738	5.82869E-06	0.008156002	0.001565223	0.011400138	0.029835887	5.82869E-06	24.81085968	2.14379E-05	0.000351081	0.000393764
2060 Nov	71.67514038	0.063207	0.015246032	0.00116093	16.28853226	0.031402949	5.734202862	0.00116093	0.00116093	5.80465E-06	0.008134115	0.001556951	0.011367741	0.02964728	5.80465E-06	24.66649246	2.1323E-05	0.000348843	0.000390517
2060 Dec	71.70595551	0.063245006	0.015251643	0.001161457	16.29575729	0.031420086	5.736837387	0.001161457	0.001161457	5.80729E-06	0.008138047	0.00155762	0.011373198	0.029659394	5.80729E-06	24.67682648	2.13321E-05	0.000348985	0.000390661
2061 Jan	71.71066284	0.063252725	0.015252591	0.001161499	16.29702377	0.03142193	5.737299919	0.001161499	0.001161499	5.8075E-06	0.008138382	0.001557712	0.01137361	0.029661551	5.8075E-06	24.67861366	2.13328E-05	0.000349006	0.000390692
2061 Feb	71.71679688	0.063258171	0.015254242	0.00116154	16.2985878	0.031422712	5.7378335	0.00116154	0.00116154	5.8077E-06	0.008138617	0.001557831	0.011373878	0.029664658	5.8077E-06	24.68107414	2.13336E-05	0.000349035	0.000390744
2061 Mar	71.73771667	0.063276641	0.015258878	0.001161846	16.30343246	0.03143084	5.739530087	0.001161846	0.001161846	5.80923E-06	0.00814074	0.001558277	0.011376814	0.029673617	5.80923E-06	24.6884594	2.13393E-05	0.000349137	0.000390868
2061 Apr	72.01219177	0.063518763	0.015317369	0.001166273	16.36586761	0.031550504	5.761504173	0.001166273	0.001166273	5.83137E-06	0.008171744	0.001564235	0.011420124	0.029787332	5.83137E-06	24.78303146	2.14206E-05	0.000350473	0.000392369
2061 May	73.3049469	0.064107776	0.01578464	0.001162878	16.7010746	0.031083323	5.86768961	0.001162878	0.001162878	5.81439E-06	0.008130297	0.001585831	0.01131545	0.030568751	5.81439E-06	25.36960983	2.15117E-05	0.00035741	0.000407918
2061 Jun	68.85861206	0.058628369	0.015132304	0.001064372	15.68775082	0.027592272	5.489942551	0.001064372	0.001064372	5.32186E-06	0.007425102	0.001481462	0.010241406	0.02901935	5.32186E-06	23.99069214	2.00787E-05	0.00033762	0.00039457
2061 Jul	72.06448364	0.060987018	0.01581287	0.001122285	16.38902092	0.02909564	5.737092972	0.001122285	0.001122285	5.61142E-06	0.007822417	0.001553847	0.010791657	0.030321212	5.61142E-06	25.0695343	2.11362E-05	0.000353282	0.000411116
2061 Aug	75.6772995	0.063983969	0.016588354	0.001181097	17.21246719	0.030710576	6.027040005	0.001181097	0.001181097	5.90548E-06	0.008221018	0.001633477	0.011356929	0.031832371	5.90548E-06	26.32046318	2.21596E-05	0.000370697	0.000431038
2061 Sep	76.2957077	0.064943306	0.01666778	0.001193567	17.36676979	0.031242788	6.084564209	0.001193567	0.001193567	5.96784E-06	0.008309098	0.001647424	0.011509172	0.032046754	5.96784E-06	26.51767349	2.2294E-05	0.00037333	0.000432774
2061 Oct	72.86159515	0.064680129	0.015680186	0.001147587	16.63799095	0.030764654	5.851790428	0.001147587	0.001147587	5.73793E-06	0.00804829	0.001573544	0.011143155	0.030440314	5.73793E-06	25.25265694	2.12934E-05	0.000354602	0.000407138
2061 Nov	71.99811554	0.064824343	0.015413087	0.001136637	16.45892906	0.030717842	5.796511173	0.001136637	0.001136637	5.68319E-06	0.007991664	0.001554988	0.011063147	0.030023409	5.68319E-06	24.92892647	2.1042E-05	0.00034974	0.000400205
2061 Dec	72.01834869	0.064853124	0.015416477	0.001136988	16.46376419	0.030730164	5.798303604	0.001136988	0.001136988	5.68494E-06	0.00799436	0.001555427	0.01106686	0.030031197	5.68494E-06	24.93564796	2.10479E-05	0.000349831	0.000400294
2062 Jan	72.02737427	0.064864688	0.015418347	0.001137099	16.46601677	0.030733882	5.799113274	0.001137099	0.001137099	5.68549E-06	0.007995182	0.001555612	0.01106795	0.030035149	5.68549E-06	24.9389286	2.10498E-05	0.000349872	0.000400349
2062 Feb	72.04081726	0.064876713	0.015421559	0.001137255	16.46924973	0.030737789	5.800234795	0.001137255	0.001137255	5.68627E-06	0.007996229	0.001555888	0.011069344	0.0300413	5.68627E-06	24.94391632	2.10528E-05	0.000349938	0.000400441
2062 Mar	72.12369537	0.064951308	0.015439484	0.001138532	16.48828316	0.030772153	5.806929111	0.001138532	0.001138532	5.69266E-06	0.008005185	0.001557671	0.011081712	0.030076157	5.69266E-06	24.97279549	2.10765E-05	0.00035034	0.000400911
2062 Apr	72.41724396	0.065215632	0.015502428	0.001143149	16.5554409	0.030896822	5.830575466	0.001143149	0.001143149	5.71574E-06	0.008037628	0.001564006	0.011126605	0.030198736	5.71574E-06	25.07453728	2.11619E-05	0.000351766	0.000402548
2062 May	73.2442627	0.065960355	0.01567952	0.001156196	16.74452782	0.031249411	5.897166252	0.001156196	0.001156196	5.78098E-06	0.00812936	0.001581865	0.011253582	0.030543689	5.78098E-06	25.36094093	2.14035E-05	0.000355783	0.000407148
2062 Jun	66.58236694	0.05739278	0.01417902	0.001101325	14.95339775	0.028952003	5.259331703	0.001101325	0.001101325	5.50662E-06	0.007791895	0.001448729	0.010750021	0.02733844	5.50662E-06	22.75137138	2.08495E-05	0.000326479	0.000358745
2062 Jul	63.68963242	0.053142291	0.013498186	0.001088389	14.13923264	0.028250618	4.97211647	0.001088389	0.001088389	5.44194E-06	0.007708341	0.001395754	0.010622471	0.025889445	5.44194E-06	21.57180214	2.07496E-05	0.0003136	0.000335456
2062 Aug	63.72193146	0.053110689	0.013408606	0.001099119	14.17328072	0.029058171	4.989666939	0.001099119	0.001099119	5.49559E-06	0.00772718	0.001402912	0.010769842	0.025841942	5.49559E-06	21.5584507	2.04912E-05	0.000312495	0.000331911
2062 Sep	62.70575714	0.053732492	0.013046966	0.00108622	13.99248314	0.029261524	4.937248707	0.00108622	0.00108622	5.4311E-06	0.007651431	0.001381061	0.010715857	0.025328314	5.4311E-06	21.17840195	2.00384E-05	0.000306308	0.000322566
2062 Oct	57.98194885	0.054891054	0.011637756	0.001013115	13.05971622	0.028660342	4.650008678	0.001013115	0.001013115	5.06558E-06	0.007246765	0.001275884	0.010129858	0.023160234	5.06558E-06	19.48055077	1.84286E-05	0.000279482	0.000288209
2062 Nov	58.03371429	0.055386242	0.01161161	0.001014767	13.08177376	0.02882332	4.661418915	0.001014767	0.001014767	5.07384E-06	0.007267952	0.001276926	0.010157864	0.023158627	5.07384E-06	19.48916817	1.84364E-05	0.00027941	0.000287604
2062 Dec	58.05443192	0.055414654	0.011615047	0.001015144	13.08664608	0.028836269	4.663223743	0.001015144	0.001015144	5.07572E-06	0.007270832	0.00127738	0.010161856	0.023166463	5.07572E-06	19.49595261	1.84429E-05	0.000279503	0.00028769
2063 Jan	58.06262589	0.055425119	0.011616721	0.001015249	13.08867645	0.028839769	4.663955212	0.001015249	0.001015249	5.07624E-06	0.007271608	0.001277549	0.010162893	0.023170011	5.07624E-06	19.49890518	1.84447E-05	0.000279541	0.000287739
2063 Feb	58.07353973	0.055435169	0.011619277	0.001015381	13.09129429	0.028843204	4.664867401	0.001015381	0.001015381	5.07691E-06	0.007272507	0.001277775	0.010164097	0.023174942	5.07691E-06	19.50291824	1.84471E-05	0.000279593	0.000287812
2063 Mar	58.09070206	0.055451348	0.011622913	0.001015649	13.09524918	0.028850643	4.666265011	0.001015649	0.001015649	5.07825E-06	0.007274401	0.001278144	0.010166716	0.023182105	5.07825E-06	19.50887489	1.84521E-05	0.000279676	0.000287907
2063 Apr	58.21935272	0.055574041	0.011648769	0.00101788	13.1243	0.028913919	4.676609993	0.00101788	0.00101788	5.0894E-06	0.007290365	0.001280971	0.010189012	0.023233624	5.0894E-06	19.55218887	1.84926E-05	0.000280296	0.000288551
2063 May	59.50980377	0.056358464	0.012032829	0.001025253	13.4402113	0.028900558	4.780879498	0.001025253	0.001025253	5.12626E-06	0.00733025	0.001305465	0.010221458	0.02390621	5.12626E-06	20.07595444	1.87082E-05	0.000286955	0.000300356
2063 Jun	56.02574158	0.049338937	0.011878662	0.000924355	12.60694027	0.024452884	4.441392422	0.000924355	0.000924355	4.62177E-06	0.006571344	0.001217283	0.00902883	0.022990087	4.62177E-06	19.14236641	1.75445E-05	0.000274143	0.00030137
2063 Jul	55.24057007	0.047769759	0.011681845	0.000928373	12.35045242	0.024381567	4.350568771	0.000928373	0.000928373	4.64187E-06	0.006601804	0.001205156	0.009066667	0.022542547	4.64187E-06	18.78202248	1.76851E-05	0.000270929	0.000293433
2063 Aug	57.88780594	0.050007589	0.0122183	0.000975753	12.9476223	0.025754921	4.562635899	0.000975753	0.000975753	4.87876E-06	0.006922985	0.001264856	0.009535251	0.0236098	4.87876E-06	19.67580605	1.84688E-05	0.000283557	0.000306579
2063 Sep	58.22381592	0.05076509	0.01220819	0.000985751	13.04907322	0.02637771	4.601415157	0.000985751	0.000985751	4.92875E-06	0.006979679	0.001273464	0.009695746	0.023679174	4.92875E-06	19.7681427	1.84273E-05	0.00028464	0.000305562
2063 Oct	57.39959335	0.051316284	0.011928674	0.000974322	12.89334393	0.026412711	4.556887627	0.000974322	0.000974322	4.87161E-06	0.006925279	0.001255301	0.00961723	0.02327719	4.87161E-06	19.46134377	1.81446E-05	0.000279682	0.000298656
2063 Nov	57.41429138	0.051548567	0.011913317	0.000975007	12.90165043	0.026489954	4.561611652	0.000975007	0.000975007	4.87504E-06	0.006934715	0.0012556	0.00962983	0.023271628	4.87504E-06	19.46167374	1.81455E-05	0.000279593	0.000298287
2063 Dec	57.45228195	0.051591955	0.011920419	0.000975671	12.91039848	0.026510466	4.564780235	0.000975671	0.000975671	4.87835E-06	0.006939628	0.001256429	0.00963663	0.023286534	4.87835E-06	19.47435379	1.81574E-05	0.000279771	0.000298466
2064 Jan	57.46105957	0.051602971	0.011922227	0.000975784	12.91256809	0.026514171	4.565560341	0.000975784	0.000975784	4.87892E-06	0.006940461	0.001256611	0.009637741	0.023290342	4.87892E-06	19.47751617	1.81593E-05	0.000279812	0.000298518
2064 Feb	57.4762001	0.051616505	0.011925713	0.000975983	12.91613865	0.026519284	4.566804886	0.000975983	0.000975983	4.87991E-06	0.006941826	0.001256927	0.009639585	0.023297044	4.87991E-06	19.48299408	1.81631E-05	0.000279885	0.000298615
2064 Mar	57.553936	0.051686283	0.01194203	0.000977271	12.93369961	0.026554134	4.573004246	0.000977271	0.000977271	4.88635E-06	0.006950963	0.00125862	0.009652246	0.023328859	4.88635E-06	19.50953293	1.81871E-05	0.000280264	0.000299029
2064 Apr	57.693573	0.051811669	0.01197111	0.000979624	12.96513081	0.026617993	4.584112167	0.000979624	0.000979624	4.89812E-06	0.006967688	0.001261669	0.009675452	0.023385631	4.89812E-06	19.5569725	1.82309E-05	0.000280944	0.00029976
2064 May	59.11035919	0.052609671	0.01242922	0.00098246	13.3239994	0.026406681	4.700761318	0.00098246	0.00098246	4.9123E-06	0.006970258	0.001287222	0.009646089	0.024176322	4.9123E-06	20.16298485	1.83898E-05	0.000288321	0.000314462
2064 Jun	58.32232285	0.049914882	0.012715642	0.000920915	13.19659233	0.023710953	4.624871731	0.000920915	0.000920915	4.60457E-06	0.006492899	0.00125716	0.008880303	0.024369389	4.60457E-06	20.180233	1.7658E-05	0.000286594	0.000328512
2064 Jul	59.90885925	0.050773047	0.013026236	0.000956993	13.52499771	0.024708474	4.743668079	0.000956993	0.000956993	4.78497E-06	0.006727923	0.001296822	0.009210569	0.024981303	4.78497E-06	20.68642235	1.82388E-05	0.000294019	0.000335136
2064 Aug	60.54364014	0.051072966	0.013102704	0.000976312	13.67590427	0.025541406	4.802891731	0.000976312	0.000976312	4.88156E-06	0.00682007	0.001317026	0.009392856	0.025217671	4.88156E-06	20.88623238	1.82899E-05	0.000296018	0.000336258
2064 Sep	59.3018837	0.051352065	0.012655928	0.00096506	13.44332123	0.025938002	4.731170177	0.00096506	0.00096506	4.8253E-06	0.00673806	0.001291941	0.009397136	0.024555085	4.8253E-06	20.40413666	1.77211E-05	0.000288702	0.000323622
2064 Oct	59.43051147	0.052239429	0.012616298	0.000969071	13.48862457	0.026251812	4.753535271	0.000969071	0.000969071	4.84536E-06	0.006783321	0.001294711	0.009457935	0.024563437	4.84536E-06	20.42934799	1.77565E-05	0.000288775	0.000322633
2064 Nov	59.6531868	0.052446421	0.012662596	0.00097273	13.53939915	0.026353911	4.771521091	0.00097273	0.00097273	4.86365E-06	0.006809182	0.001299561	0.009493958	0.024654819	4.86365E-06	20.50561905	1.7823E-05	0.000289849	0.000323817
2064 Dec	59.67505646	0.052471612	0.012666725	0.000973102	13.544487	0.02636555	4.773364067	0.000973102	0.000973102	4.86551E-06	0.006811914	0.001300037	0.00949775	0.024663514	4.86551E-06	20.51299095	1.78295E-05	0.000289951	0.000323923
2065 Jan	59.68046188	0.052478407	0.012667842	0.00097317	13.54582691	0.026367802	4.773845196	0.00097317	0.00097317	4.86585E-06	0.006812416	0.001300149	0.009498418	0.02466587	4.86585E-06	20.51494408	1.78307E-05	0.000289976	0.000323956
2065 Feb	59.69459534	0.052490864	0.012671041	0.000973366	13.54913235	0.026372951	4.775000095	0.000973366	0.000973366	4.86683E-06	0.006813764	0.001300448	0.009500265	0.024672035	4.86683E-06	20.52000427	1.78343E-05	0.000290045	0.000324043
2065 Mar	59.78227234	0.052567977	0.012689759	0.000974778	13.56908607	0.026411088	4.782026768	0.000974778	0.000974778	4.87389E-06	0.006823627	0.001302354	0.009513999	0.024708448	4.87389E-06	20.5502491	1.78602E-05	0.000290471	0.000324524
2065 Apr	60.03487396	0.052790105	0.01274344	0.000978886	13.62645054	0.026522342	4.802239895	0.000978886	0.000978886	4.89443E-06	0.006852377	0.001307854	0.009554073	0.024812954	4.89443E-06	20.637146	1.79355E-05	0.000291698	0.000325899
2065 May	61.64372253	0.053857606	0.013210356	0.000989082	14.01923084	0.026555024	4.932762146	0.000989082	0.000989082	4.94541E-06	0.006912587	0.001338524	0.009608605	0.025638077	4.94541E-06	21.28281975	1.82228E-05	0.000299956	0.000340182
2065 Jun	60.05777359	0.050799187	0.013137255	0.000943397	13.63083458	0.024471631	4.775281906	0.000943397	0.000943397	4.71699E-06	0.006585434	0.001297448	0.009069371	0.025204789	4.71699E-06	20.84709167	1.77854E-05	0.000294329	0.000340474
2065 Jul	62.92169571	0.052802306	0.013741865	0.000997611	14.24121571	0.025818385	4.989596367	0.000997611	0.000997611	4.98806E-06	0.006964735	0.001362211	0.009590533	0.026340092	4.98806E-06	21.79251099	1.88245E-05	0.000308586	0.000354629
2065 Aug	65.6631012	0.055112075	0.014301331	0.0010451	14.87052059	0.02724307	5.211832523	0.0010451	0.0010451	5.2255E-06	0.007277997	0.001423682	0.010070299	0.027456237	5.2255E-06	22.72906494	1.95572E-05	0.000321634	0.000368502
2065 Sep	63.46122742	0.055408034	0.013599348	0.001018793	14.42636013	0.027317852	5.073656082	0.001018793	0.001018793	5.09396E-06	0.007124953	0.001377094	0.009918108	0.026370779	5.09396E-06	21.90043449	1.87975E-05	0.000309143	0.000349799
2065 Oct	59.75423431	0.056655224	0.012412312	0.000971165	13.67532539	0.027241655	4.847027779	0.000971165	0.000971165	4.85582E-06	0.006891345	0.001296756	0.009580888	0.024564512	4.85582E-06	20.50705719	1.76908E-05	0.00028786	0.000319358
2065 Nov	59.49181747	0.057232324	0.012285477	0.000969089	13.63215351	0.027401915	4.838588238	0.000969089	0.000969089	4.84544E-06	0.006894713	0.00129108	0.009583414	0.024407664	4.84544E-06	20.39598083	1.76116E-05	0.000286002	0.000316112
2065 Dec	59.5038681	0.05725342	0.012287134	0.00096931	13.63510895	0.027410686	4.839715958	0.00096931	0.00096931	4.84655E-06	0.006896497	0.001291342	0.009585868	0.024412045	4.84655E-06	20.39986992	1.76151E-05	0.000286053	0.000316155
2066 Jan	59.51514816	0.057267144	0.012289458	0.00096946	13.63787174	0.027415501	4.840707779	0.00096946	0.00096946	4.8473E-06	0.006897593	0.001291577	0.009587342	0.024416905	4.8473E-06	20.40390968	1.76177E-05	0.000286105	0.000316222
2066 Feb	59.54645157	0.057296805	0.012296295	0.000969912	13.64519596	0.027427936	4.843286514	0.000969912	0.000969912	4.84956E-06	0.006900758	0.001292242	0.009591686	0.024430318	4.84956E-06	20.41498756	1.7626E-05	0.000286256	0.000316407
2066 Mar	59.67963791	0.057424709	0.012324004	0.00097205	13.67580032	0.027488196	4.854137897	0.00097205	0.00097205	4.86025E-06	0.00691594	0.001295125	0.009612757	0.024485275	4.86025E-06	20.46084023	1.76649E-05	0.000286897	0.000317125
2066 Apr	59.85251236	0.057590902	0.012359818	0.000974848	13.71546173	0.027567197	4.868208885	0.000974848	0.000974848	4.87424E-06	0.006935828	0.001298872	0.009640384	0.024556376	4.87424E-06	20.52021408	1.77158E-05	0.000287728	0.000318049
2066 May	60.66272354	0.058298927	0.012544148	0.000986143	13.90361691	0.027852889	4.93383646	0.000986143	0.000986143	4.93072E-06	0.0070144	0.001315965	0.009746218	0.024908951	4.93072E-06	20.80934334	1.79336E-05	0.000291694	0.000323056
2066 Jun	56.50257874	0.051043253	0.011862896	0.000934706	12.75618649	0.025175218	4.504615784	0.000934706	0.000934706	4.67353E-06	0.00665811	0.001228128	0.009174226	0.023122407	4.67353E-06	19.28485489	1.75739E-05	0.00027531	0.000301129
2066 Jul	58.78811264	0.052181147	0.012310326	0.000989862	13.19650555	0.026518591	4.660798073	0.000989862	0.000989862	4.94931E-06	0.007044153	0.001283709	0.009704761	0.023942856	4.94931E-06	19.97753334	1.86299E-05	0.000286844	0.000309641
2066 Aug	61.40969849	0.054411229	0.012829182	0.001038042	13.79114819	0.027976317	4.873254776	0.001038042	0.001038042	5.19021E-06	0.007364985	0.001343763	0.010181447	0.02499515	5.19021E-06	20.86017609	1.93772E-05	0.000299138	0.000322257
2066 Sep	61.53239441	0.055469178	0.012760038	0.001043248	13.84572506	0.028452491	4.899957657	0.001043248	0.001043248	5.21624E-06	0.007413364	0.001346796	0.010276238	0.024979079	5.21624E-06	20.87708282	1.9351E-05	0.000298971	0.000320299
2066 Oct	60.37076187	0.056270033	0.012363622	0.001027278	13.62622452	0.028509937	4.837275982	0.001027278	0.001027278	5.13639E-06	0.007338649	0.001321148	0.010168986	0.024409177	5.13639E-06	20.44316292	1.89561E-05	0.000291987	0.000310473
2066 Nov	60.09058762	0.056511294	0.012263961	0.001023523	13.57437325	0.028539268	4.822934151	0.001023523	0.001023523	5.11762E-06	0.007322326	0.001314956	0.010145376	0.02426916	5.11762E-06	20.3374691	1.88601E-05	0.000290267	0.000308005

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Dec	60.13200378	0.056559842	0.012271606	0.001024248	13.58394623	0.028562026	4.826413155	0.001024248	0.001024248	5.12124E-06	0.007327713	0.001315861	0.010152819	0.024285376	5.12124E-06	20.35128212	1.88729E-05	0.00029046	0.000308198
2067 Jan	60.14492416	0.056575026	0.012274252	0.001024429	13.5870657	0.028567694	4.827531815	0.001024429	0.001024429	5.12215E-06	0.007329036	0.001316132	0.010154606	0.024290871	5.12215E-06	20.35585594	1.88761E-05	0.00029052	0.000308272
2067 Feb	60.17257309	0.056600712	0.012280281	0.001024838	13.59348297	0.028578762	4.829790592	0.001024838	0.001024838	5.12419E-06	0.007331908	0.001316722	0.010158532	0.024302643	5.12419E-06	20.36558533	1.88837E-05	0.000290654	0.000308433
2067 Mar	60.2407074	0.056664623	0.012294397	0.001025965	13.60896873	0.028609999	4.835280895	0.001025965	0.001025965	5.12982E-06	0.007339939	0.001318205	0.01016963	0.024330493	5.12982E-06	20.38884735	1.89045E-05	0.000290983	0.000308793
2067 Apr	60.38584137	0.05680104	0.012324137	0.001028417	13.64180946	0.028678283	4.846942425	0.001028417	0.001028417	5.14209E-06	0.007357468	0.001321376	0.010193898	0.024389299	5.14209E-06	20.43808174	1.89497E-05	0.000291684	0.000309543
2067 May	62.10230637	0.057936467	0.012809001	0.001041327	14.05717564	0.028796524	4.985591888	0.001041327	0.001041327	5.20664E-06	0.007435136	0.001354758	0.010277031	0.025251588	5.20664E-06	21.11636543	1.92742E-05	0.000300448	0.000324131
2067 Jun	61.68404007	0.055698093	0.013056641	0.001003311	13.9731741	0.026913185	4.931024075	0.001003311	0.001003311	5.01655E-06	0.00713384	0.001337237	0.009788962	0.025424406	5.01655E-06	21.15866852	1.89019E-05	0.000300356	0.000334431
2067 Jul	65.06938171	0.058383323	0.013755191	0.001065618	14.71504498	0.028580401	5.194326401	0.001065618	0.001065618	5.32809E-06	0.007567188	0.00141381	0.010387033	0.026781596	5.32809E-06	22.28887749	2.00356E-05	0.000316765	0.000351293
2067 Aug	66.48558807	0.059263654	0.014001825	0.001098565	15.03857994	0.02976549	5.315850258	0.001098565	0.001098565	5.49283E-06	0.007751527	0.001452161	0.010681177	0.027352815	5.49283E-06	22.75823784	2.03359E-05	0.000322396	0.000356845
2067 Sep	66.77806854	0.060209937	0.013980595	0.001107021	15.12760639	0.030304937	5.352437496	0.001107021	0.001107021	5.5351E-06	0.007813102	0.001459226	0.010811734	0.027408404	5.5351E-06	22.83446693	2.03449E-05	0.000323213	0.000355867
2067 Oct	64.47555542	0.060638536	0.013283899	0.001074626	14.6598529	0.0300825	5.207306385	0.001074626	0.001074626	5.37313E-06	0.007638833	0.001408678	0.010566348	0.02632142	5.37313E-06	21.98807526	1.96222E-05	0.000310288	0.000338236
2067 Nov	64.23747253	0.060996559	0.013184974	0.001072	14.61822891	0.030162511	5.197236538	0.001072	0.001072	5.36E-06	0.007632726	0.001403422	0.010556932	0.026191244	5.36E-06	21.89315605	1.95449E-05	0.000308728	0.000335742
2067 Dec	64.28707886	0.061054423	0.013194235	0.001072852	14.62975025	0.030189339	5.20141983	0.001072852	0.001072852	5.36426E-06	0.00763903	0.001404505	0.010565632	0.026210863	5.36426E-06	21.90981293	1.95599E-05	0.000308959	0.000335978
2068 Jan	64.30488586	0.061074607	0.01319789	0.001073109	14.63401031	0.030197224	5.202945232	0.001073109	0.001073109	5.36554E-06	0.007640892	0.001404881	0.010568159	0.026218394	5.36554E-06	21.9160862	1.95644E-05	0.000309042	0.000336079
2068 Feb	64.32891846	0.061097004	0.013203244	0.001073443	14.63965797	0.030206244	5.204928875	0.001073443	0.001073443	5.36722E-06	0.007643214	0.001405389	0.010571309	0.02622884	5.36722E-06	21.92467117	1.95706E-05	0.000309158	0.000336225
2068 Mar	64.45632172	0.061217774	0.013229623	0.001075533	14.66875076	0.03026484	5.215259075	0.001075533	0.001075533	5.37766E-06	0.007658063	0.001408164	0.010591814	0.026281141	5.37766E-06	21.9683094	1.96087E-05	0.000309771	0.000336903
2068 Apr	64.95949554	0.061695542	0.013333027	0.001083909	14.78331566	0.03050041	5.255983829	0.001083909	0.001083909	5.41954E-06	0.007717682	0.001419151	0.010674257	0.026486499	5.41954E-06	22.1399231	1.97615E-05	0.000312189	0.000339539
2068 May	66.28809357	0.062444568	0.01373929	0.001090446	15.1090641	0.030430624	5.36256218	0.001090446	0.001090446	5.45223E-06	0.007750348	0.001444028	0.01069505	0.027189305	5.45223E-06	22.68507576	1.99748E-05	0.000319123	0.000352088
2068 Jun	61.17466354	0.054610666	0.013117971	0.000974266	13.90279579	0.025884042	4.898632526	0.000974266	0.000974266	4.87133E-06	0.006894183	0.001322913	0.009413408	0.025464002	4.87133E-06	21.12210274	1.83963E-05	0.000297874	0.000339487
2068 Jul	62.3253746	0.054824945	0.01332154	0.001009124	14.10703373	0.026804226	4.973915577	0.001009124	0.001009124	5.04562E-06	0.00712149	0.001354848	0.009732659	0.025851652	5.04562E-06	21.44687271	1.89695E-05	0.000303339	0.000342383
2068 Aug	65.61035919	0.057647489	0.013995955	0.001065896	14.85555935	0.02845783	5.239801407	0.001065896	0.001065896	5.32948E-06	0.007504433	0.001428555	0.010287753	0.027196871	5.32948E-06	22.56848145	1.99019E-05	0.000318928	0.000359308
2068 Sep	65.49671936	0.058693256	0.013852091	0.001068636	14.86050987	0.028945118	5.250598431	0.001068636	0.001068636	5.34318E-06	0.007538074	0.001426656	0.010371489	0.02706106	5.34318E-06	22.49453545	1.97999E-05	0.000317465	0.000355261
2068 Oct	65.47530365	0.059502747	0.013775492	0.001070355	14.87316704	0.029214168	5.261861324	0.001070355	0.001070355	5.35178E-06	0.007568161	0.001426157	0.010412328	0.02700372	5.35178E-06	22.46677399	1.9788E-05	0.000316771	0.000353319
2068 Nov	65.68965912	0.059762992	0.013814898	0.001074023	14.92324162	0.029331805	5.28011179	0.001074023	0.001074023	5.37011E-06	0.007595508	0.001430823	0.010449909	0.027088292	5.37011E-06	22.53871155	1.98523E-05	0.000317761	0.000354331
2068 Dec	65.73101044	0.059808198	0.013822936	0.001074718	14.93279743	0.029352818	5.283555031	0.001074718	0.001074718	5.37359E-06	0.007600588	0.001431723	0.010456892	0.027104903	5.37359E-06	22.55271339	1.98648E-05	0.000317956	0.000354538
2069 Jan	65.74165344	0.05982032	0.013825151	0.001074865	14.93535995	0.029357342	5.284471512	0.001074865	0.001074865	5.37433E-06	0.007601657	0.001431947	0.010458331	0.027109455	5.37433E-06	22.55649567	1.98674E-05	0.000318005	0.0003546
2069 Feb	65.75757599	0.059834704	0.013828767	0.001075081	14.93910217	0.029362999	5.285780907	0.001075081	0.001075081	5.37541E-06	0.007603145	0.001432282	0.010460339	0.027116448	5.37541E-06	22.56222153	1.98714E-05	0.000318082	0.000354699
2069 Mar	65.76760101	0.059843771	0.013831022	0.001075221	14.94145012	0.029366685	5.286603928	0.001075221	0.001075221	5.3761E-06	0.007604112	0.001432495	0.010461647	0.027120819	5.3761E-06	22.56580544	1.9874E-05	0.000318131	0.000354761
2069 Apr	65.89827728	0.059962649	0.013858587	0.001077343	14.9711771	0.029424582	5.297116756	0.001077343	0.001077343	5.38672E-06	0.007619111	0.001435338	0.01048227	0.02717484	5.38672E-06	22.6107254	1.99133E-05	0.000318763	0.00035547
2069 May	67.22594452	0.061132394	0.014149235	0.001097642	15.27515697	0.029957162	5.403895855	0.001097642	0.001097642	5.48821E-06	0.007761476	0.001463876	0.010675945	0.027736528	5.48821E-06	23.07450485	2.02967E-05	0.000325229	0.000363124
2069 Jun	62.64364624	0.054321446	0.013268638	0.001046818	14.04042339	0.027602274	4.951169014	0.001046818	0.001046818	5.23409E-06	0.007425021	0.001368071	0.010163207	0.025667671	5.23409E-06	21.35345078	1.98448E-05	0.000306221	0.000335104
2069 Jul	63.9944458	0.054689661	0.013525693	0.001085016	14.27107143	0.028458659	5.032275677	0.001085016	0.001085016	5.42508E-06	0.007696654	0.001402221	0.010533462	0.026106952	5.42508E-06	21.73001099	2.06189E-05	0.000313362	0.000338903
2069 Aug	65.61469269	0.056020603	0.013816006	0.001118215	14.64612484	0.029613547	5.167501926	0.001118215	0.001118215	5.59107E-06	0.007900386	0.001441331	0.010878759	0.02673443	5.59107E-06	22.26633644	2.0997E-05	0.000320612	0.000345439
2069 Sep	63.57495499	0.056291047	0.013195969	0.001089034	14.24613285	0.029507753	5.042037487	0.001089034	0.001089034	5.44517E-06	0.007723131	0.001396856	0.010678738	0.025774539	5.44517E-06	21.52596283	2.02276E-05	0.000309083	0.000329647
2069 Oct	60.32222366	0.057450265	0.012184414	0.00104082	13.61053753	0.029276453	4.849448681	0.00104082	0.00104082	5.2041E-06	0.00746577	0.001324648	0.010316708	0.024245119	5.2041E-06	20.34082603	1.91175E-05	0.000290367	0.000304684
2069 Nov	60.10583496	0.058200423	0.012061069	0.001038863	13.58379841	0.029474078	4.847530842	0.001038863	0.001038863	5.19432E-06	0.007471607	0.00131972	0.010323338	0.024108266	5.19432E-06	20.24802399	1.90312E-05	0.000288638	0.000301674
2069 Dec	60.1279335	0.058232281	0.012064631	0.001039264	13.58903408	0.029488226	4.849482536	0.001039264	0.001039264	5.19632E-06	0.007474711	0.001320204	0.010327611	0.024116583	5.19632E-06	20.25525093	1.9038E-05	0.000288736	0.000301764
2070 Jan	60.13251877	0.058239881	0.012065589	0.001039298	13.59029293	0.029489828	4.8499403	0.001039298	0.001039298	5.19649E-06	0.007474981	0.001320291	0.010327935	0.024118751	5.19649E-06	20.25703621	1.90384E-05	0.000288756	0.000301796
2070 Feb	60.13778305	0.058244426	0.012067099	0.001039318	13.59167194	0.02949	4.85040617	0.001039318	0.001039318	5.19659E-06	0.007475064	0.001320389	0.01032799	0.024121558	5.19659E-06	20.25923157	1.90389E-05	0.000288782	0.000301845
2070 Mar	60.1815834	0.058286548	0.012076136	0.001040037	13.60167599	0.02951017	4.853961468	0.001040037	0.001040037	5.20018E-06	0.007480199	0.001321341	0.010335052	0.024139507	5.20018E-06	20.27421761	1.90521E-05	0.000288992	0.000302077
2070 Apr	60.43701172	0.058533393	0.01212783	0.001044382	13.65958977	0.029633088	4.874602795	0.001044382	0.001044382	5.22191E-06	0.007511394	0.001326933	0.010378095	0.024242636	5.22191E-06	20.36067581	1.91318E-05	0.000290219	0.000303381
2070 May	61.89064407	0.059457436	0.012545481	0.001054584	14.01224709	0.029698864	4.991762161	0.001054584	0.001054584	5.27292E-06	0.007570871	0.001355009	0.010439585	0.024980551	5.27292E-06	20.93953514	1.93968E-05	0.000297678	0.000316007
2070 Jun	61.88496017	0.057335217	0.012936817	0.001016729	14.03321362	0.027718538	4.969763756	0.001016729	0.001016729	5.08364E-06	0.007261059	0.001344729	0.009939327	0.025390239	5.08364E-06	21.16311646	1.90503E-05	0.000299843	0.000330843
2070 Jul	64.19663239	0.059019599	0.013402811	0.00106312	14.5242281	0.028940191	5.144586086	0.00106312	0.00106312	5.3156E-06	0.007584388	0.001398251	0.010384517	0.026289143	5.3156E-06	21.91465187	1.99011E-05	0.000311107	0.000341464
2070 Aug	66.23896027	0.06068546	0.013792515	0.00110293	14.99087906	0.03022908	5.313815594	0.00110293	0.00110293	5.51465E-06	0.00783672	0.001447153	0.010767071	0.027111424	5.51465E-06	22.60098457	2.0435E-05	0.000320265	0.000350843
2070 Sep	64.31434631	0.061204847	0.013180462	0.001077379	14.61066818	0.03022255	5.197212219	0.001077379	0.001077379	5.3869E-06	0.007695123	0.001405373	0.010601805	0.02617833	5.3869E-06	21.88630867	1.97661E-05	0.000309253	0.000335072
2070 Oct	62.4413147	0.061840359	0.012589649	0.001051465	14.23798466	0.030137016	5.084162712	0.001051465	0.001051465	5.25732E-06	0.007561406	0.00136421	0.010415281	0.025280008	5.25732E-06	21.1927948	1.9164E-05	0.00029852	0.000320162
2070 Nov	62.38097382	0.062057681	0.012553768	0.001051074	14.23027897	0.03019895	5.083639145	0.001051074	0.001051074	5.25537E-06	0.007564457	0.001362865	0.010419224	0.025240002	5.25537E-06	21.16588402	1.91424E-05	0.000298034	0.000319262
2070 Dec	62.39090347	0.062075291	0.012555104	0.001051259	14.2327137	0.0302063	5.084570885	0.001051259	0.001051259	5.2563E-06	0.007565951	0.001363081	0.010421273	0.025243584	5.2563E-06	21.1690731	1.91454E-05	0.000298076	0.000319297
2071 Jan	62.39524078	0.062081825	0.012556002	0.001051301	14.23385715	0.030207952	5.084985733	0.001051301	0.001051301	5.2565E-06	0.007566269	0.001363167	0.010421677	0.025245562	5.2565E-06	21.17070961	1.91461E-05	0.000298095	0.000319325
2071 Feb	62.39949417	0.062085506	0.012557195	0.001051321	14.2349596	0.030208243	5.085359097	0.001051321	0.001051321	5.25661E-06	0.007566374	0.001363247	0.010421778	0.025247788	5.25661E-06	21.17245865	1.91465E-05	0.000298116	0.000319364
2071 Mar	62.41130066	0.06209695	0.012559755	0.001051493	14.2377243	0.030212991	5.086335182	0.001051493	0.001051493	5.25746E-06	0.007567581	0.001363498	0.010423417	0.02525284	5.25746E-06	21.17662811	1.91497E-05	0.000298172	0.000319433
2071 Apr	62.52598572	0.062210891	0.01258294	0.001053409	14.26392937	0.030267959	5.095690727	0.001053409	0.001053409	5.26705E-06	0.007581359	0.001366	0.010442381	0.025299402	5.26705E-06	21.21563911	1.91846E-05	0.00029872	0.000320025
2071 May	63.43037033	0.062409855	0.012923602	0.001051023	14.49417496	0.029901061	5.166585445	0.001051023	0.001051023	5.25511E-06	0.007546352	0.001381211	0.010368747	0.025851404	5.25511E-06	21.62832832	1.92449E-05	0.00030373	0.000331129
2071 Jun	61.41431427	0.057527773	0.012922221	0.000987691	14.00137138	0.0269456	4.957309723	0.000987691	0.000987691	4.93845E-06	0.007054657	0.001328829	0.009614661	0.025384551	4.93845E-06	21.1211319	1.85382E-05	0.000297095	0.000334211
2071 Jul	62.33909988	0.057748344	0.013097786	0.001014402	14.15581989	0.027534053	5.011437893	0.001014402	0.001014402	5.07201E-06	0.007245504	0.001352279	0.009874381	0.025679886	5.07201E-06	21.37520599	1.90868E-05	0.000302036	0.000336683
2071 Aug	64.74323273	0.059944946	0.013572909	0.001056803	14.70891094	0.028839206	5.208392143	0.001056803	0.001056803	5.28401E-06	0.007531044	0.001406247	0.01030538	0.026646381	5.28401E-06	22.18998718	1.97454E-05	0.000313367	0.000348421
2071 Sep	63.4731636	0.060006157	0.013152441	0.00104319	14.46174049	0.029044131	5.130277634	0.00104319	0.00104319	5.21595E-06	0.007435523	0.001380118	0.010262319	0.026001789	5.21595E-06	21.70907784	1.92091E-05	0.000306103	0.000336779
2071 Oct	62.42572403	0.060380399	0.012816725	0.001029385	14.25203037	0.029024409	5.067108631	0.001029385	0.001029385	5.14693E-06	0.007366291	0.001357329	0.010165035	0.025493544	5.14693E-06	21.3174572	1.88824E-05	0.000300067	0.000328224
2071 Nov	62.11574554	0.061139341	0.012660999	0.00102692	14.20371532	0.02923689	5.058624268	0.00102692	0.00102692	5.1346E-06	0.007371203	0.001350578	0.01017048	0.02530553	5.1346E-06	21.18570518	1.87811E-05	0.000297813	0.000324269
2071 Dec	62.11476517	0.061211802	0.012654412	0.001027087	14.20504761	0.029261161	5.059700966	0.001027087	0.001027087	5.13544E-06	0.007373964	0.001350556	0.010174197	0.02530087	5.13544E-06	21.18357468	1.87802E-05	0.000297755	0.000324103
2072 Jan	62.12374115	0.061224237	0.01265626	0.001027188	14.20734215	0.029264785	5.060529709	0.001027188	0.001027188	5.13594E-06	0.007374723	0.001350737	0.010175186	0.025304861	5.13594E-06	21.18688393	1.87819E-05	0.000297795	0.000324159
2072 Feb	62.13344955	0.061232995	0.012658761	0.001027269	14.20976925	0.029266614	5.061363697	0.001027269	0.001027269	5.13635E-06	0.007375232	0.001350929	0.01017582	0.025309604	5.13635E-06	21.19067192	1.87835E-05	0.000297842	0.000324235
2072 Mar	62.14744949	0.061246354	0.012661897	0.001027458	14.21308422	0.029271718	5.062527657	0.001027458	0.001027458	5.13729E-06	0.007376546	0.001351223	0.010177592	0.025315735	5.13729E-06	21.19570541	1.8787E-05	0.00029791	0.000324322
2072 Apr	62.34645844	0.06144223	0.0127026	0.001030724	14.25865936	0.029364621	5.078751564	0.001030724	0.001030724	5.15362E-06	0.007399972	0.001355544	0.010209893	0.02539704	5.15362E-06	21.26372147	1.88468E-05	0.000298864	0.000325369
2072 May	63.37454987	0.062454171	0.012912379	0.001047684	14.49384308	0.029847248	5.162499905	0.001047684	0.001047684	5.23842E-06	0.007521697	0.001377888	0.010377787	0.025816221	5.23842E-06	21.61458206	1.91571E-05	0.000303793	0.000330747
2072 Jun	60.10751343	0.056846187	0.012234688	0.001029879	13.53438473	0.028530192	4.812056065	0.001029879	0.001029879	5.14939E-06	0.00741724	0.001314579	0.010205545	0.024191966	5.14939E-06	20.28460503	1.92296E-05	0.000290837	0.000306286
2072 Jul	60.38236237	0.056101833	0.01225662	0.001051657	13.53549767	0.029090591	4.815644741	0.001051657	0.001051657	5.25829E-06	0.007545037	0.00132844	0.010389364	0.0242212	5.25829E-06	20.30746651	1.95373E-05	0.000292	0.000304392
2072 Aug	59.64636612	0.055511549	0.01196803	0.001050337	13.42028522	0.029801186	4.776008606	0.001050337	0.001050337	5.25168E-06	0.007459875	0.001317759	0.010504298	0.023805296	5.25168E-06	20.02416039	1.88665E-05	0.000287325	0.000294992
2072 Sep	58.55848694	0.055471428	0.011599795	0.00103824	13.22705364	0.03010566	4.713091373	0.00103824	0.00103824	5.1912E-06	0.007352146	0.001295583	0.010496677	0.023250088	5.1912E-06	19.62141418	1.8248E-05	0.000281027	0.000284621
2072 Oct	56.61157608	0.056269683	0.011003163	0.00100761	12.8475523	0.029877093	4.598797321	0.00100761	0.00100761	5.03805E-06	0.007193717	0.001251678	0.010250476	0.022350095	5.03805E-06	18.91894722	1.76035E-05	0.000269823	0.000270283
2072 Nov	56.43545151	0.056587547	0.010929578	0.001005201	12.81882286	0.029928211	4.592399597	0.001005201	0.001005201	5.026E-06	0.00718738	0.001247629	0.010237759	0.022256872	5.026E-06	18.85074043	1.75417E-05	0.000268636	0.000268533
2072 Dec	56.44623566	0.056606807	0.010930992	0.001005405	12.82146549	0.029936401	4.593412876	0.001005405	0.001005405	5.02703E-06	0.007189028	0.001247865	0.010240044	0.02226072	5.02703E-06	18.85418129	1.75449E-05	0.000268682	0.000268569
2073 Jan	56.45264435	0.056615613	0.01093231	0.001005478	12.82309723	0.029939	4.594002247	0.001005478	0.001005478	5.02739E-06	0.007189577	0.001247995	0.010240761	0.02226356	5.02739E-06	18.85653877	1.75461E-05	0.00026871	0.000268609
2073 Feb	56.46185303	0.056624196	0.010934508	0.001005581	12.82534027	0.029941671	4.594781876	0.001005581	0.001005581	5.0279E-06	0.007190261	0.001248183	0.010241675	0.022267807	5.0279E-06	18.85998154	1.7548E-05	0.000268755	0.000268673
2073 Mar	56.4872818	0.056649346	0.01093966	0.001006	12.83119869	0.029953947	4.596867561	0.001006	0.001006	5.03E-06	0.007193233	0.001248737	0.010245876	0.022278171	5.03E-06	18.86867332	1.75554E-05	0.000268876	0.000268805
2073 Apr	56.88946533	0.057052482	0.011017679	0.001013144	12.92260361	0.030166524	4.629606247	0.001013144	0.001013144	5.06572E-06	0.007244295	0.001257623	0.01031859	0.022436982	5.06572E-06	19.00313377	1.76801E-05	0.000270791	0.000270725
2073 May	58.60822296	0.057808664	0.011593294	0.001016299	13.34895039	0.029814949	4.76621294	0.001016299	0.001016299	5.08149E-06	0.00724519	0.001288488	0.010271656	0.023405036	5.08149E-06	19.74006844	1.79083E-05	0.000279963	0.000289017
2073 Jun	58.97605896	0.055551331	0.012140529	0.000979651	13.43784237	0.027575077	4.763833046	0.000979651	0.000979651	4.89825E-06	0.006949419	0.001284844	0.009738815	0.024033755	4.89825E-06	20.11819458	1.77509E-05	0.000284502	0.000308502
2073 Jul	60.40984726	0.056481898	0.012417629	0.001011043	13.74062634	0.028461903	4.873316288	0.001011043	0.001011043	5.05521E-06	0.00715773	0.001319883	0.010033158	0.024586193	5.05521E-06	20.57850456	1.8261E-05	0.000291222	0.000314551
2073 Aug	62.2977562	0.058052633	0.012773692	0.001047952	14.17383957	0.029675649	5.030405045	0.001047952	0.001047952	5.23976E-06	0.007391181	0.001365051	0.010392766	0.025342284	5.23976E-06	21.21201515	1.87446E-05	0.000299673	0.000323076
2073 Sep	61.79011154	0.058465116	0.012567451	0.001043652	14.08652687	0.029925283	5.006042004	0.001043652	0.001043652	5.21826E-06	0.007365719	0.001354642	0.010406373	0.025057439	5.21826E-06	21.01006508	1.85009E-05	0.000296477	0.00031737
2073 Oct	59.94835663	0.059048906	0.01199747	0.00101752	13.71578026	0.029767897	4.8931427	0.00101752	0.00101752	5.0876E-06	0.007233581	0.001313908	0.010206674	0.024183145	5.0876E-06	20.33058357	1.79388E-05	0.000286005	0.000303112

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Nov	59.66231155	0.059297543	0.011895679	0.001013799	13.66153526	0.029793331	4.878073692	0.001013799	0.001013799	5.06899E-06	0.007218993	0.001307557	0.010183161	0.024038706	5.06899E-06	20.22143555	1.78508E-05	0.000284268	0.000300571
2073 Dec	59.70013046	0.059343796	0.011902492	0.00101446	13.67037773	0.029814951	4.881301403	0.00101446	0.00101446	5.0723E-06	0.007223895	0.001308384	0.010190027	0.024053467	5.0723E-06	20.23405647	1.7862E-05	0.000284442	0.000300744
2074 Jan	59.70834732	0.059354454	0.011904169	0.001014563	13.67242622	0.029818451	4.882039547	0.001014563	0.001014563	5.07281E-06	0.007224659	0.001308553	0.010191048	0.02405704	5.07281E-06	20.23702621	1.78638E-05	0.000284479	0.000300793
2074 Feb	59.71486664	0.059360322	0.011905858	0.001014616	13.67406273	0.029819628	4.882601261	0.001014616	0.001014616	5.07308E-06	0.007224986	0.001308682	0.010191452	0.024060244	5.07308E-06	20.23958206	1.78648E-05	0.000284511	0.000300845
2074 Mar	59.75245667	0.059397355	0.011913566	0.001015223	13.68274879	0.029837267	4.885690212	0.001015223	0.001015223	5.07611E-06	0.007229283	0.001309498	0.010197481	0.024075704	5.07611E-06	20.25251007	1.78756E-05	0.00028469	0.000301045
2074 Apr	60.10410309	0.05974672	0.0119838	0.001021179	13.76331711	0.030012211	4.914452076	0.001021179	0.001021179	5.1059E-06	0.007271683	0.0013172	0.010257273	0.02421757	5.1059E-06	20.37180519	1.79805E-05	0.000286366	0.000302822
2074 May	62.07879639	0.060400315	0.012685826	0.001020856	14.25540829	0.029401062	5.069094658	0.001020856	0.001020856	5.10428E-06	0.007240809	0.001351554	0.010151849	0.025371984	5.10428E-06	21.24170494	1.82082E-05	0.000297141	0.000325376
2074 Jun	60.53853226	0.056039494	0.012892344	0.000947682	13.91151714	0.02600847	4.908779144	0.000947682	0.000947682	4.73841E-06	0.006680046	0.001304879	0.009244487	0.025273068	4.73841E-06	20.99706078	1.74326E-05	0.000292834	0.000336751
2074 Jul	63.01131821	0.057924256	0.013401124	0.000994318	14.4487257	0.027248908	5.099349022	0.000994318	0.000994318	4.97159E-06	0.007003085	0.001361228	0.009692184	0.026257467	4.97159E-06	21.81738663	1.82785E-05	0.000304848	0.000348836
2074 Aug	66.41928864	0.061019972	0.014109181	0.001050234	15.2329216	0.028864529	5.377110481	0.001050234	0.001050234	5.25117E-06	0.007386877	0.001436125	0.010243386	0.027665459	5.25117E-06	22.9914856	1.92291E-05	0.000321124	0.000367003
2074 Sep	65.22992706	0.061434105	0.013694085	0.001038381	14.99762535	0.029081216	5.306339741	0.001038381	0.001038381	5.1919E-06	0.007323387	0.00141143	0.010203043	0.027045451	5.1919E-06	22.52865601	1.88138E-05	0.000314167	0.000355665
2074 Oct	64.0422821	0.062159043	0.013280896	0.001024825	14.76051044	0.02918807	5.237917423	0.001024825	0.001024825	5.12412E-06	0.007269214	0.001385868	0.010122062	0.026439123	5.12412E-06	22.06860924	1.84789E-05	0.00030713	0.000344938
2074 Nov	63.98736572	0.062341191	0.01324858	0.001024629	14.75244427	0.029244313	5.237026691	0.001024629	0.001024629	5.12315E-06	0.007273091	0.001384697	0.010126766	0.026401903	5.12315E-06	22.04331779	1.8464E-05	0.000306698	0.000344099
2074 Dec	64.01947784	0.062381171	0.013254453	0.001025169	14.76001644	0.029261991	5.239787579	0.001025169	0.001025169	5.12584E-06	0.007277114	0.001385392	0.010132343	0.026414614	5.12584E-06	22.05414391	1.84733E-05	0.000306846	0.000344252
2075 Jan	64.02839661	0.062392436	0.013256293	0.001025282	14.76222801	0.029265746	5.240582943	0.001025282	0.001025282	5.12641E-06	0.007277949	0.001385576	0.010133457	0.026418492	5.12641E-06	22.05736351	1.84753E-05	0.000306887	0.000344305
2075 Feb	64.04405212	0.062407199	0.013259873	0.001025481	14.76596832	0.0292711	5.241891384	0.001025481	0.001025481	5.12741E-06	0.007279317	0.001385902	0.01013531	0.026425462	5.12741E-06	22.06306267	1.8479E-05	0.000306962	0.000344406
2075 Mar	64.11606598	0.062477097	0.013274969	0.001026606	14.78264523	0.029303025	5.247800827	0.001026606	0.001026606	5.13303E-06	0.007287277	0.001387454	0.010146365	0.026455455	5.13303E-06	22.08804131	1.84993E-05	0.000307307	0.000344803
2075 Apr	64.45606232	0.062808245	0.013345469	0.001032034	14.8610754	0.029457849	5.27563715	0.001032034	0.001032034	5.16017E-06	0.007325791	0.001394807	0.010199973	0.026595904	5.16017E-06	22.20526505	1.85971E-05	0.000308937	0.000346636
2075 May	65.6574173	0.063723542	0.013650605	0.00104524	15.14465618	0.02971793	5.372411728	0.00104524	0.00104524	5.2262E-06	0.007413737	0.001419238	0.010310879	0.02715629	5.2262E-06	22.65513039	1.88793E-05	0.000314952	0.000355371
2075 Jun	59.54814529	0.05480988	0.012337143	0.000998587	13.45060921	0.027367869	4.761924267	0.000998587	0.000998587	4.99294E-06	0.007124645	0.001297998	0.009864006	0.024211032	4.99294E-06	20.24400139	1.85729E-05	0.000289094	0.000311473
2075 Jul	58.97926331	0.052925587	0.012185222	0.001013168	13.20441532	0.027454229	4.673508644	0.001013168	0.001013168	5.06584E-06	0.007229659	0.001292651	0.009999199	0.023805697	5.06584E-06	19.92045784	1.89588E-05	0.000287318	0.000303411
2075 Aug	60.46201706	0.054136798	0.012454528	0.001043506	13.54489899	0.028485129	4.796892643	0.001043506	0.001043506	5.21753E-06	0.007418193	0.001328575	0.010304911	0.02438562	5.21753E-06	20.41185951	1.93258E-05	0.000293928	0.000309577
2075 Sep	61.09300232	0.055149265	0.012535937	0.001056106	13.70123291	0.029012548	4.855591774	0.001056106	0.001056106	5.28053E-06	0.007510278	0.001342712	0.010455399	0.024605449	5.28053E-06	20.6127224	1.94781E-05	0.00029661	0.000311415
2075 Oct	60.56151199	0.055882595	0.012326718	0.001049056	13.61025429	0.029139169	4.833087921	0.001049056	0.001049056	5.24528E-06	0.007485517	0.0013308	0.010417581	0.024329755	5.24528E-06	20.40901184	1.92851E-05	0.000293153	0.000306324
2075 Nov	60.66667557	0.056220114	0.012328268	0.001051301	13.6394825	0.029264903	4.845393181	0.001051301	0.001051301	5.25651E-06	0.00750656	0.001333065	0.010446204	0.024359789	5.25651E-06	20.43961906	1.93139E-05	0.000293488	0.000306383
2075 Dec	60.69562149	0.056265414	0.012332625	0.001051836	13.64641953	0.029284636	4.848005772	0.001051836	0.001051836	5.25918E-06	0.007510759	0.001333697	0.010451998	0.024370471	5.25918E-06	20.4489975	1.93228E-05	0.000293615	0.000306493
2076 Jan	60.70508575	0.056278013	0.012334567	0.001051949	13.6488018	0.02928856	4.848865032	0.001051949	0.001051949	5.25975E-06	0.007511606	0.00133389	0.010453114	0.024374627	5.25975E-06	20.45244789	1.93247E-05	0.000293658	0.000306551
2076 Feb	60.73323441	0.056303807	0.012340769	0.001052358	13.65534973	0.029299539	4.851164818	0.001052358	0.001052358	5.26179E-06	0.007514462	0.00133449	0.010457021	0.024386695	5.26179E-06	20.46239853	1.93323E-05	0.000293794	0.000306718
2076 Mar	60.79917526	0.056364778	0.012354431	0.001053458	13.67029476	0.029329937	4.856459618	0.001053458	0.001053458	5.26729E-06	0.00752228	0.001335928	0.010467863	0.024413589	5.26729E-06	20.48487091	1.93526E-05	0.000294113	0.000307065
2076 Apr	60.98766327	0.056539431	0.012392879	0.0010567	13.71274281	0.029420076	4.871531963	0.0010567	0.0010567	5.2835E-06	0.007545411	0.001340064	0.01050003	0.024489509	5.2835E-06	20.54852104	1.94122E-05	0.000295025	0.000308024
2076 May	62.54305649	0.0575497	0.012842836	0.001066899	14.09231472	0.029469064	4.997677326	0.001066899	0.001066899	5.33449E-06	0.007604282	0.001369912	0.010556819	0.025285594	5.33449E-06	21.17182922	1.96858E-05	0.000302992	0.000321742
2076 Jun	60.89806366	0.053701695	0.01294169	0.000997658	13.73680115	0.026460452	4.839554787	0.000997658	0.000997658	4.98829E-06	0.007075633	0.001322521	0.009723758	0.025071081	4.98829E-06	20.85759735	1.8859E-05	0.000297547	0.00032973
2076 Jul	61.82201385	0.053995997	0.013115565	0.001023061	13.90347099	0.02707983	4.899230003	0.001023061	0.001023061	5.1153E-06	0.007249997	0.001346315	0.009964385	0.025386048	5.1153E-06	21.12403107	1.93308E-05	0.000302196	0.000332539
2076 Aug	64.33611298	0.056151304	0.013614432	0.001068566	14.47706509	0.028467141	5.103273392	0.001068566	0.001068566	5.34283E-06	0.007551969	0.001403446	0.010422861	0.026394917	5.34283E-06	21.97299576	2.00273E-05	0.00031405	0.000344684
2076 Sep	64.99227142	0.057270147	0.013694758	0.001081672	14.64097404	0.029028153	5.16532135	0.001081672	0.001081672	5.40836E-06	0.007649591	0.001418096	0.010580011	0.026621468	5.40836E-06	22.18104744	2.01865E-05	0.000316796	0.000346518
2076 Oct	63.21793747	0.057718296	0.01314909	0.001056609	14.28576565	0.028896956	5.056506157	0.001056609	0.001056609	5.28304E-06	0.007514907	0.001379246	0.010390567	0.025783706	5.28304E-06	21.52979088	1.96096E-05	0.000306687	0.000332815
2076 Nov	62.97940826	0.057955503	0.01306062	0.001053632	14.2419281	0.028937489	5.044710159	0.001053632	0.001053632	5.26816E-06	0.007503324	0.001374011	0.010373842	0.025661319	5.26816E-06	21.43821716	1.95297E-05	0.0003052	0.000330599
2076 Dec	63.01305389	0.057995398	0.013066836	0.001054215	14.24973488	0.028955882	5.047548294	0.001054215	0.001054215	5.27108E-06	0.007507661	0.001374744	0.010379826	0.025674537	5.27108E-06	21.44946671	1.95401E-05	0.000305357	0.000330757
2077 Jan	63.01967239	0.05800439	0.013068196	0.001054292	14.25141335	0.028958596	5.048154354	0.001054292	0.001054292	5.27146E-06	0.007508238	0.001374879	0.010380582	0.025677461	5.27146E-06	21.45189476	1.95414E-05	0.000305387	0.000330798
2077 Feb	63.03148651	0.058015082	0.013070978	0.001054435	14.25423908	0.028962232	5.049137592	0.001054435	0.001054435	5.27218E-06	0.007509209	0.001375123	0.010381876	0.025682809	5.27218E-06	21.45624161	1.95441E-05	0.000305444	0.000330877
2077 Mar	63.05752563	0.058038946	0.013076562	0.001054841	14.2602129	0.028973218	5.051243782	0.001054841	0.001054841	5.2742E-06	0.007512073	0.001375684	0.010385809	0.025693709	5.2742E-06	21.46528435	1.95516E-05	0.00030557	0.000331024
2077 Apr	63.29286194	0.058255501	0.013125468	0.00105876	14.31348133	0.02908079	5.070106983	0.00105876	0.00105876	5.2938E-06	0.007539972	0.001380814	0.010424364	0.025789768	5.2938E-06	21.54549789	1.96243E-05	0.00030671	0.000332264
2077 May	64.40041351	0.05891756	0.013461069	0.001064215	14.58669853	0.029037366	5.159941196	0.001064215	0.001064215	5.32107E-06	0.007567256	0.001401603	0.010441937	0.026375405	5.32107E-06	22.0001297	1.97956E-05	0.00031244	0.000342678
2077 Jun	62.10985947	0.054685421	0.013327863	0.000997759	14.05639172	0.026259987	4.945724964	0.000997759	0.000997759	4.9888E-06	0.007068032	0.001343633	0.009671598	0.025762051	4.9888E-06	21.38632774	1.896E-05	0.000303639	0.000342707
2077 Jul	64.70185089	0.056489926	0.013865744	0.001048974	14.59820938	0.027511382	5.136103153	0.001048974	0.001048974	5.24487E-06	0.007432819	0.001402422	0.010169284	0.026764886	5.24487E-06	22.22632599	1.99704E-05	0.000316669	0.000354876
2077 Aug	67.46626282	0.058905009	0.014425226	0.001097103	15.23026657	0.028942395	5.359758377	0.001097103	0.001097103	5.48551E-06	0.007757057	0.001464106	0.010656882	0.027882099	5.48551E-06	23.16574669	2.07422E-05	0.000329868	0.000368707
2077 Sep	64.52140045	0.058378253	0.013557122	0.001059482	14.62960529	0.028832566	5.164458752	0.001059482	0.001059482	5.29741E-06	0.007501816	0.001402168	0.010419959	0.026483411	5.29741E-06	22.0858326	1.96321E-05	0.000313671	0.000345435
2077 Oct	63.86790466	0.059233248	0.013294719	0.001052269	14.51237011	0.029024363	5.135091782	0.001052269	0.001052269	5.26135E-06	0.007481713	0.001387964	0.010388623	0.026132992	5.26135E-06	21.8275547	1.94214E-05	0.000309439	0.000338806
2077 Nov	64.03269196	0.059438299	0.013324503	0.001055111	14.55093098	0.029116718	5.149169445	0.001055111	0.001055111	5.27556E-06	0.007503035	0.001391545	0.010418105	0.026197448	5.27556E-06	21.88262177	1.94711E-05	0.0003102	0.000339567
2077 Dec	64.06538391	0.059476297	0.013330643	0.001055669	14.55852318	0.029134143	5.151919365	0.001055669	0.001055669	5.27834E-06	0.007507161	0.001392256	0.010423817	0.026210388	5.27834E-06	21.89361	1.94809E-05	0.000310352	0.000339724
2078 Jan	64.07870483	0.05949112	0.013333401	0.00105586	14.56170177	0.029139947	5.153054714	0.00105586	0.00105586	5.2793E-06	0.007508551	0.001392537	0.01042571	0.026216026	5.2793E-06	21.89830589	1.94844E-05	0.000310415	0.0003398
2078 Feb	64.09152222	0.059502833	0.013336353	0.001056026	14.56474304	0.029144255	5.154116154	0.001056026	0.001056026	5.28013E-06	0.007509687	0.001392805	0.010427243	0.026221724	5.28013E-06	21.90296173	1.94875E-05	0.000310477	0.000339882
2078 Mar	64.11155701	0.059521325	0.013340676	0.001056331	14.56936646	0.029152535	5.155743599	0.001056331	0.001056331	5.28165E-06	0.007511833	0.001393234	0.010430201	0.026230166	5.28165E-06	21.90995789	1.94931E-05	0.000310574	0.000339997
2078 Apr	64.54775238	0.059926227	0.013431531	0.001063503	14.66853142	0.029350404	5.190831184	0.001063503	0.001063503	5.31752E-06	0.007562826	0.00140271	0.010500991	0.026408769	5.31752E-06	22.05911255	1.96255E-05	0.000312687	0.000342314
2078 May	66.15169525	0.060304135	0.014073414	0.001053033	15.09263134	0.028480329	5.320946693	0.001053033	0.001053033	5.26517E-06	0.007455003	0.001428182	0.010288692	0.027450506	5.26517E-06	22.82737923	1.96462E-05	0.00032154	0.000364043
2078 Jun	64.65781403	0.057309791	0.014096443	0.000994284	14.78209972	0.026092069	5.187819481	0.000994284	0.000994284	4.97142E-06	0.007005816	0.001386772	0.009590124	0.027210196	4.97142E-06	22.52031708	1.88647E-05	0.00031594	0.000369295
2078 Jul	67.79519653	0.05981354	0.014760422	0.001048569	15.48425579	0.027564513	5.436583042	0.001048569	0.001048569	5.24284E-06	0.007375636	0.001457267	0.010102091	0.028505722	5.24284E-06	23.59129143	1.9822E-05	0.000331003	0.000385972
2078 Aug	68.98587036	0.060603797	0.014960623	0.001076218	15.7612114	0.028600872	5.539839268	0.001076218	0.001076218	5.38109E-06	0.007528044	0.001489219	0.010363961	0.028976923	5.38109E-06	23.98496819	2.0044E-05	0.00033576	0.000390352
2078 Sep	69.51003265	0.061465502	0.015001189	0.001088962	15.89930248	0.02923673	5.59128809	0.001088962	0.001088962	5.44481E-06	0.007608019	0.001501764	0.010540919	0.029130876	5.44481E-06	24.1426487	2.00974E-05	0.000337855	0.000390696
2078 Oct	68.72840118	0.061832726	0.014737811	0.001079857	15.74120522	0.029277604	5.544623375	0.001079857	0.001079857	5.39928E-06	0.007568197	0.001484977	0.010483753	0.028737163	5.39928E-06	23.8422184	1.9875E-05	0.000333297	0.000383833
2078 Nov	68.68986511	0.062074281	0.014704835	0.001080071	15.73777962	0.029357657	5.545745373	0.001080071	0.001080071	5.40036E-06	0.007575889	0.001484171	0.01049389	0.028703792	5.40036E-06	23.82129669	1.98648E-05	0.000332912	0.000382974
2078 Dec	68.71403503	0.06210459	0.014709251	0.001080476	15.74348259	0.029370945	5.54782629	0.001080476	0.001080476	5.40238E-06	0.00757892	0.001484694	0.010498075	0.028713364	5.40238E-06	23.82944679	1.98719E-05	0.000333023	0.000383089
2078 Jan	68.71827698	0.062111232	0.014710106	0.001080517	15.74460602	0.029372646	5.548235416	0.001080517	0.001080517	5.40259E-06	0.007579244	0.001484777	0.010498484	0.028715283	5.40259E-06	23.83103943	1.98725E-05	0.000333041	0.000383116
2078 Feb	68.72239685	0.062114872	0.014711265	0.001080536	15.7456789	0.029372897	5.548599243	0.001080536	0.001080536	5.40268E-06	0.007579335	0.001484855	0.010498564	0.028717449	5.40268E-06	23.83274078	1.98729E-05	0.000333061	0.000383154
2079 Mar	68.771492	0.062159196	0.014721925	0.001081283	15.75699615	0.029393053	5.55257988	0.001081283	0.001081283	5.40641E-06	0.007584551	0.001485909	0.010505764	0.028738206	5.40641E-06	23.84991264	1.98867E-05	0.000333299	0.000383435
2079 Apr	69.04226685	0.062403917	0.014779978	0.001085526	15.81907845	0.029508315	5.5744524	0.001085526	0.001085526	5.42763E-06	0.007614302	0.001491756	0.010546958	0.028851498	5.42763E-06	23.94390488	1.99647E-05	0.000334612	0.000384949
2079 May	70.22407532	0.063421823	0.015047235	0.001102411	16.09236145	0.029937979	5.669816494	0.001102411	0.001102411	5.51206E-06	0.007731352	0.001516835	0.010705838	0.029362751	5.51206E-06	24.36366844	2.0287E-05	0.000340396	0.000392145
2079 Jun	63.56917191	0.054539062	0.013720524	0.001023136	14.35663128	0.026707681	5.041040897	0.001023136	0.001023136	5.11568E-06	0.007203936	0.001377304	0.009905	0.026399517	5.11568E-06	21.89894485	1.9385E-05	0.000311549	0.000351862
2079 Jul	62.8912735	0.052962989	0.013528173	0.001033004	14.11375618	0.026822031	4.956708908	0.001033004	0.001033004	5.16502E-06	0.007272087	0.001369274	0.009996851	0.025971305	5.16502E-06	21.55707932	1.96042E-05	0.000308726	0.000343506
2079 Aug	65.15180969	0.054707963	0.013978361	0.001075662	14.62585449	0.028131392	5.140563011	0.001075662	0.001075662	5.37831E-06	0.007544854	0.001422556	0.010403876	0.026891157	5.37831E-06	22.32150459	2.02192E-05	0.000319111	0.000354454
2079 Sep	63.97058105	0.055485364	0.013551613	0.001061975	14.4072504	0.028371712	5.077842712	0.001061975	0.001061975	5.30987E-06	0.007474722	0.001397309	0.010348017	0.026281739	5.30987E-06	21.86934471	1.97615E-05	0.000311943	0.000343293
2079 Oct	62.92979431	0.056248534	0.013188934	0.00104841	14.20938778	0.028455973	5.021740913	0.00104841	0.00104841	5.24205E-06	0.007414949	0.001374434	0.010262399	0.025761656	5.24205E-06	21.47536087	1.9421E-05	0.000305668	0.000334187
2079 Nov	62.48651886	0.056767024	0.013017953	0.001043064	14.1293602	0.028555244	5.000925064	0.001043064	0.001043064	5.21532E-06	0.007396672	0.001364676	0.010235542	0.025529409	5.21532E-06	21.3031292	1.92737E-05	0.000302857	0.0003299
2079 Dec	62.1600647	0.05718857	0.012888645	0.001039215	14.07129383	0.028641367	4.986227512	0.001039215	0.001039215	5.19608E-06	0.007384686	0.001357486	0.010217736	0.025356164	5.19608E-06	21.17537689	1.91648E-05	0.000300758	0.000326658
2080 Jan	62.1653595	0.057199582	0.012889701	0.001039236	14.07286644	0.028643185	4.986809254	0.001039236	0.001039236	5.19618E-06	0.007384895	0.00135758	0.01021794	0.025358774	5.19618E-06	21.17752647	1.91649E-05	0.000300779	0.000326699
2080 Feb	62.17929077	0.057212025	0.012893273	0.001039356	14.076334	0.028645907	4.98800087	0.001039356	0.001039356	5.19678E-06	0.007385656	0.001357857	0.010218891	0.025365541	5.19678E-06	21.18293762	1.91673E-05	0.000300846	0.000326807
2080 Mar	62.18935013	0.057221085	0.012895732	0.001039463	14.07878399	0.028648531	4.988848209	0.001039463	0.001039463	5.19732E-06	0.007386365	0.001358061	0.010219818	0.02537024	5.19732E-06	21.18672752	1.91693E-05	0.000300895	0.000326879
2080 Apr	62.35696411	0.057375193	0.012930696	0.001042231	14.1168232	0.028724622	5.002316475	0.001042231	0.001042231	5.21115E-06	0.007406001	0.001361713	0.010246957	0.025438948	5.21115E-06	21.24403191	1.92204E-05	0.000301706	0.000327771
2080 May	63.43675232	0.058359608	0.013157371	0.001059935	14.36187172	0.029207537	5.088967323	0.001059935	0.001059935	5.29968E-06	0.007531516	0.001385203	0.010420091	0.025882954	5.29968E-06	21.61392593	1.95488E-05	0.00030694	0.000333567
2080 Jun	59.61467743	0.052641321	0.012336176	0.001032913	13.28656673	0.027727842	4.700340748	0.001032913	0.001032913	5.16457E-06	0.007370996	0.001309412	0.01016687	0.0240166	5.16457E-06	20.08958626	1.94418E-05	0.000291049	0.000305603
2080 Jul	58.51768112	0.050360925	0.012064561	0.001037705	12.94291496	0.027700705	4.580635071	0.001037705	0.001037705	5.18852E-06	0.007387856	0.001294173	0.010190584	0.023429167	5.18852E-06	19.6059742	1.95154E-05	0.000286038	0.000295081
2080 Aug	59.54790878	0.051039249	0.012226184	0.001063087	13.1828022	0.028681384	4.670559406	0.001063087	0.001063087	5.31543E-06	0.007526074	0.00132244	0.010437631	0.023824699	5.31543E-06	19.94052315	1.96972E-05	0.00029007	0.000298353
2080 Sep	58.96378326	0.051408529	0.011989851	0.00105724	13.09571648	0.029028356	4.645103455	0.00105724	0.00105724	5.2862E-06	0.007473244	0.001310522	0.010464504	0.023502752	5.2862E-06	19.7186718	1.92981E-05	0.000286358	0.00029177

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Oct	58.15473938	0.052373029	0.011692985	0.0010448	12.95669556	0.029117834	4.608786106	0.0010448	0.0010448	5.224E-06	0.00742048	0.001291919	0.010384422	0.023102619	5.224E-06	19.41906166	1.89911E-05	0.000281248	0.000284751
2080 Nov	57.69885254	0.053207934	0.011502606	0.001038151	12.88545704	0.029253379	4.59310627	0.001038151	0.001038151	5.19076E-06	0.007399434	0.001281327	0.01035038	0.022863595	5.19076E-06	19.24516296	1.88108E-05	0.000278162	0.000280269
2080 Dec	57.69490433	0.053302869	0.011494005	0.001038202	12.88697529	0.029280169	4.594410896	0.001038202	0.001038202	5.19101E-06	0.007401866	0.001281203	0.010353419	0.022857446	5.19101E-06	19.24213219	1.8807E-05	0.000278073	0.000280072
2081 Jan	57.70658493	0.053317886	0.011496395	0.00103835	12.88987923	0.029285135	4.595457077	0.00103835	0.00103835	5.19175E-06	0.007402961	0.001281444	0.010354878	0.02286252	5.19175E-06	19.24634933	1.88095E-05	0.000278127	0.000280142
2081 Feb	57.71632767	0.053326592	0.011498895	0.001038434	12.89230633	0.02928704	4.596291065	0.001038434	0.001038434	5.19217E-06	0.007403492	0.001281637	0.010355542	0.022867261	5.19217E-06	19.25013733	1.88112E-05	0.000278174	0.000280217
2081 Mar	57.73918915	0.05334755	0.011503755	0.001038796	12.89755058	0.029296977	4.598144054	0.001038796	0.001038796	5.19398E-06	0.00740603	0.001282132	0.01035905	0.022876799	5.19398E-06	19.25805855	1.88178E-05	0.000278284	0.000280344
2081 Apr	57.98056412	0.05357023	0.011552471	0.001043036	12.95174885	0.029416051	4.617430687	0.001043036	0.001043036	5.21518E-06	0.007436185	0.001287466	0.010401143	0.022973415	5.21518E-06	19.33916473	1.88947E-05	0.000279448	0.000281548
2081 May	60.1452446	0.054751102	0.012265568	0.001045756	13.50170422	0.029015783	4.795005322	0.001045756	0.001045756	5.22878E-06	0.007428952	0.001325859	0.010339355	0.024194125	5.22878E-06	20.27295494	1.9126E-05	0.00029083	0.000304527
2081 Jun	60.15781021	0.05347348	0.012586604	0.001010346	13.54686165	0.027347306	4.788750172	0.001010346	0.001010346	5.05173E-06	0.00715121	0.001316248	0.009885587	0.024565848	5.05173E-06	20.48420715	1.87596E-05	0.000292401	0.000317621
2081 Jul	63.6199646	0.056388687	0.01330479	0.001071552	14.31391525	0.028984746	5.060176373	0.001071552	0.001071552	5.35776E-06	0.007582522	0.00139313	0.010481818	0.025960658	5.35776E-06	21.64836311	1.98945E-05	0.00030927	0.000335261
2081 Aug	67.13957214	0.059494417	0.014023803	0.001132652	15.11026382	0.030727321	5.342473507	0.001132652	0.001132652	5.66326E-06	0.008004962	0.001471271	0.011088774	0.027384544	5.66326E-06	22.84113312	2.09489E-05	0.000326182	0.000353123
2081 Sep	67.33798218	0.060233358	0.01398544	0.001139818	15.17925167	0.031247724	5.370748043	0.001139818	0.001139818	5.67909E-06	0.008049465	0.001476532	0.01121367	0.02740097	5.67909E-06	22.88660049	2.08967E-05	0.000326582	0.000351565
2081 Oct	67.09199524	0.060851421	0.013863988	0.001137352	15.14243507	0.031400729	5.364500046	0.001137352	0.001137352	5.68676E-06	0.008050091	0.001471012	0.011212142	0.027255893	5.68676E-06	22.78466606	2.08097E-05	0.00032479	0.000348566
2081 Nov	66.26077271	0.06105357	0.013611957	0.001125199	14.97608852	0.031316455	5.313291073	0.001125199	0.001125199	5.62599E-06	0.007984613	0.001452644	0.011118219	0.026866902	5.62599E-06	22.48147011	2.05397E-05	0.000320083	0.000342292
2081 Dec	66.20922852	0.061161533	0.013588319	0.001124638	14.96789742	0.03134165	5.311638355	0.001124638	0.001124638	5.62319E-06	0.007983973	0.00145149	0.011116886	0.02683766	5.62319E-06	22.46058273	2.05217E-05	0.000319723	0.000341707
2082 Jan	66.21595001	0.061173204	0.013589699	0.001124685	14.96976089	0.031344034	5.312319756	0.001124685	0.001124685	5.62343E-06	0.007984363	0.001451617	0.01111734	0.02684084	5.62343E-06	22.46320343	2.05224E-05	0.000319752	0.000341755
2082 Feb	66.23392487	0.061189428	0.013594046	0.001124884	14.97412109	0.031348988	5.313830853	0.001124884	0.001124884	5.62442E-06	0.007985684	0.001451985	0.011119084	0.026849166	5.62442E-06	22.46993828	2.05261E-05	0.000319839	0.000341881
2082 Mar	66.27829742	0.061230209	0.013603509	0.001125579	14.9843111	0.031368051	5.317428112	0.001125579	0.001125579	5.6279E-06	0.007990573	0.001452943	0.011125837	0.026867714	5.6279E-06	22.48533249	2.05389E-05	0.000320053	0.000342129
2082 Apr	66.49220276	0.061427694	0.013647618	0.001129178	15.03276348	0.031468175	5.334610462	0.001129178	0.001129178	5.64589E-06	0.008016096	0.001457623	0.011161345	0.026954748	5.64589E-06	22.55809784	2.06046E-05	0.000321086	0.000343243
2082 May	67.53546143	0.062390208	0.013862195	0.001146837	15.26873589	0.031959545	5.418320179	0.001146837	0.001146837	5.73419E-06	0.008141412	0.001480478	0.011335746	0.02737825	5.73419E-06	22.9123745	2.09271E-05	0.000326125	0.000348649
2082 Jun	60.12817383	0.052447028	0.012304759	0.001072598	13.29778671	0.028825397	4.708241463	0.001072598	0.001072598	5.36299E-06	0.007660497	0.001328737	0.010614769	0.023945972	5.36299E-06	20.08775711	2.01459E-05	0.000294046	0.00029946
2082 Jul	57.26639175	0.048034284	0.011677968	0.001054754	12.4972353	0.027884949	4.422115803	0.001054754	0.001054754	5.27377E-06	0.007538385	0.001274774	0.010427129	0.022562046	5.27377E-06	18.94929504	1.99985E-05	0.000281587	0.000278248
2082 Aug	59.3469696	0.0497678	0.012066247	0.001096429	12.96504974	0.029200597	4.589469433	0.001096429	0.001096429	5.48214E-06	0.007812276	0.001323409	0.010857842	0.023361964	5.48214E-06	19.63184738	2.05994E-05	0.000291322	0.000287022
2082 Sep	59.90356064	0.050864305	0.012114481	0.001108319	13.11153412	0.02978519	4.645671844	0.001108319	0.001108319	5.54159E-06	0.007898299	0.001336034	0.011013082	0.023539415	5.54159E-06	19.80408096	2.06974E-05	0.000293499	0.000287956
2082 Oct	57.60139465	0.051446132	0.011453318	0.00106774	12.67441368	0.02935979	4.510380268	0.00106774	0.00106774	5.3387E-06	0.007659525	0.001283615	0.010672729	0.022529365	5.3387E-06	19.00676155	1.98047E-05	0.000280374	0.00027265
2082 Nov	57.68706512	0.051708028	0.011456059	0.001069476	12.69814396	0.029456021	4.520249367	0.001069476	0.001069476	5.34738E-06	0.007675651	0.001285446	0.010694661	0.022555172	5.34738E-06	19.03238297	1.98271E-05	0.000280657	0.000272745
2082 Dec	57.7205925	0.051746901	0.011462037	0.001070104	12.70575619	0.029475642	4.52302742	0.001070104	0.001070104	5.35052E-06	0.007680336	0.001286189	0.010701165	0.022567915	5.35052E-06	19.0433197	1.98383E-05	0.000280813	0.000272889
2083 Jan	57.7312088	0.051759366	0.011464188	0.001070257	12.70830536	0.02948042	4.523942947	0.001070257	0.001070257	5.35128E-06	0.007681456	0.001286413	0.010702679	0.022572387	5.35128E-06	19.04705238	1.9841E-05	0.000280863	0.000272949
2083 Feb	57.75634384	0.051781852	0.011469549	0.00107066	12.71402073	0.02949124	4.525957584	0.00107066	0.00107066	5.3533E-06	0.007684301	0.001286958	0.010706593	0.02258282	5.3533E-06	19.05571938	1.98485E-05	0.000280985	0.000273087
2083 Mar	57.80657196	0.051826861	0.011479727	0.001071557	12.72517776	0.029515788	4.529918194	0.001071557	0.001071557	5.35778E-06	0.007690712	0.001288068	0.010715499	0.022602789	5.35778E-06	19.0724926	1.98652E-05	0.000281229	0.000273335
2083 Apr	58.05809402	0.052052349	0.011529793	0.0010762	12.78060436	0.029643584	4.549642563	0.0010762	0.0010762	5.381E-06	0.007724018	0.001293668	0.01076189	0.022701329	5.381E-06	19.15559769	1.99513E-05	0.000282453	0.000274531
2083 May	60.03927612	0.053307053	0.012141606	0.001083059	13.28021717	0.029495146	4.713824272	0.001083059	0.001083059	5.4153E-06	0.007750795	0.00133011	0.010761172	0.02377433	5.4153E-06	19.98549461	2.01997E-05	0.000292641	0.000293942
2083 Jun	59.21694946	0.05070997	0.012469362	0.001010657	13.18061543	0.02650479	4.644894123	0.001010657	0.001010657	5.05328E-06	0.007188759	0.001296474	0.009880329	0.024042226	5.05328E-06	20.04993248	1.92539E-05	0.00029069	0.00031065
2083 Jul	60.17076492	0.050961204	0.012640909	0.001038085	13.35671997	0.027243339	4.709730625	0.001038085	0.001038085	5.19042E-06	0.007366558	0.001322524	0.010130565	0.024374541	5.19042E-06	20.32712746	1.96959E-05	0.000295167	0.000313377
2083 Aug	60.62456512	0.050826218	0.012658685	0.001059425	13.46759319	0.028275371	4.759845257	0.001059425	0.001059425	5.29712E-06	0.007443966	0.001343505	0.010298708	0.024548393	5.29712E-06	20.46255875	1.9617E-05	0.00029546	0.000312831
2083 Sep	60.01094437	0.051908214	0.012388193	0.001052127	13.37431622	0.028572204	4.739034653	0.001052127	0.001052127	5.26063E-06	0.007418965	0.001329766	0.010288125	0.024207104	5.26063E-06	20.22142982	1.93377E-05	0.000291286	0.000306047
2083 Oct	58.02399445	0.05316028	0.011736913	0.001021833	13.0017662	0.02852544	4.630228996	0.001021833	0.001021833	5.10916E-06	0.007268342	0.001284787	0.010073284	0.023257555	5.10916E-06	19.49484062	1.86339E-05	0.000279557	0.000290239
2083 Nov	57.47740173	0.053591851	0.01155068	0.001013632	12.90134239	0.028538954	4.601708412	0.001013632	0.001013632	5.06816E-06	0.007229695	0.001272385	0.010017874	0.022992	5.06816E-06	19.29328918	1.84385E-05	0.000276269	0.000285724
2084 Dec	57.49766159	0.053622998	0.011553756	0.0010148008	12.90617847	0.028552724	4.603528976	0.0010148008	0.0010148008	5.07004E-06	0.007232635	0.00127283	0.010021924	0.022999493	5.07004E-06	19.29985428	1.84447E-05	0.000276358	0.000285801
2084 Jan	57.50391388	0.053632263	0.01155505	0.00101407	12.90781784	0.028555119	4.604122639	0.00101407	0.00101407	5.07035E-06	0.007233108	0.001272953	0.010022527	0.023002334	5.07035E-06	19.30220222	1.84457E-05	0.000276386	0.000285843
2084 Feb	57.51640701	0.053643603	0.01155802	0.0010142216	12.91082668	0.028558835	4.605168819	0.0010142216	0.0010142216	5.07108E-06	0.00723409	0.001272311	0.010023825	0.023008047	5.07108E-06	19.30683517	1.84485E-05	0.000276446	0.000285928
2084 Mar	57.56791687	0.053691473	0.011568619	0.0010151084	12.92249966	0.028583065	4.60931778	0.0010151084	0.0010151084	5.07542E-06	0.007240248	0.001274341	0.010032327	0.023029037	5.07542E-06	19.3243618	1.84643E-05	0.000276694	0.000286197
2084 Apr	57.94744492	0.054045353	0.011645027	0.0010217754	13.00775623	0.02877075	4.639719963	0.0010217754	0.0010217754	5.10877E-06	0.007287803	0.001282737	0.010098199	0.023181079	5.10877E-06	19.45189667	1.85856E-05	0.000278518	0.000288091
2084 May	60.36971283	0.055386603	0.012419283	0.0010283762	13.61484623	0.028454637	4.836518288	0.0010283762	0.0010283762	5.14181E-06	0.007306765	0.001326561	0.010075283	0.024510758	5.14181E-06	20.4757843	1.88942E-05	0.000291242	0.000312612
2084 Jun	59.05375671	0.052374393	0.012536621	0.0009654 24	13.35312748	0.025814882	4.714599133	0.0009654 24	0.0009654 24	4.82712E-06	0.006827516	0.001286024	0.009337511	0.024395468	4.82712E-06	20.26395798	1.81043E-05	0.000287037	0.000320992
2084 Jul	60.84085846	0.053554129	0.012895726	0.00100268	13.72909355	0.02680436	4.848913193	0.00100268	0.00100268	5.0134E-06	0.00708141	0.001328382	0.009688907	0.025089731	5.0134E-06	20.84203529	1.87631E-05	0.000295662	0.000329025
2084 Aug	62.55320358	0.054993451	0.01321639	0.0010358898	14.12472153	0.027914342	4.99109602	0.0010358898	0.0010358898	5.17949E-06	0.007290359	0.001368838	0.010027457	0.025767135	5.17949E-06	21.4157486	1.91835E-05	0.000303437	0.000336577
2084 Sep	62.00667191	0.055243205	0.013000503	0.0010131703	14.03006077	0.028198691	4.962781906	0.0010131703	0.0010131703	5.15852E-06	0.007256222	0.001357942	0.010054033	0.025459707	5.15852E-06	21.19940567	1.88904E-05	0.000300093	0.000330372
2084 Oct	60.64314651	0.056072563	0.012540398	0.0010135596	13.76554775	0.028242894	4.885742664	0.0010135596	0.0010135596	5.06798E-06	0.007173626	0.001327817	0.009935703	0.024784707	5.06798E-06	20.68551064	1.84578E-05	0.000292053	0.000318769
2084 Nov	60.25691986	0.056438159	0.012398933	0.00100876	13.69343376	0.028297881	4.865972042	0.00100876	0.00100876	5.0438E-06	0.00715515	0.001319267	0.009908753	0.024586147	5.0438E-06	20.53689575	1.83342E-05	0.000289684	0.000315205
2084 Dec	60.28657913	0.05647536	0.012404231	0.0010009278	13.70037651	0.02831487	4.868514538	0.0010009278	0.0010009278	5.04639E-06	0.007159026	0.001319915	0.009914104	0.024597717	5.04639E-06	20.54678535	1.83432E-05	0.00028982	0.00031534
2085 Jan	60.29057693	0.05648208	0.012405053	0.0010009309	13.70147133	0.02831633	4.868914127	0.0010009309	0.0010009309	5.04654E-06	0.00715928	0.001319992	0.00991441	0.024599588	5.04654E-06	20.5483284	1.83436E-05	0.000289837	0.000315368
2085 Feb	60.30318832	0.056493599	0.012408013	0.0010009461	13.70449543	0.028320277	4.869967461	0.0010009461	0.0010009461	5.04731E-06	0.007160312	0.001320253	0.009915789	0.024605297	5.04731E-06	20.55297089	1.83465E-05	0.000289898	0.000315453
2085 Mar	60.32425308	0.056513175	0.012412546	0.0010009782	13.70936871	0.028329093	4.871687889	0.0010009782	0.0010009782	5.04891E-06	0.00716256	0.001320706	0.009918873	0.0246142	5.04891E-06	20.56033897	1.83523E-05	0.00029	0.000315573
2085 Apr	60.53514862	0.056710653	0.012456055	0.0010013294	13.75734615	0.028427517	4.888730526	0.0010013294	0.0010013294	5.06647E-06	0.007187456	0.001325318	0.009953333	0.024700427	5.06647E-06	20.63232613	1.84162E-05	0.000291013	0.000316682
2085 May	62.33102036	0.057649631	0.013031686	0.0010018741	14.20333958	0.028188579	5.03299427	0.0010018741	0.0010018741	5.0937E-06	0.00720575	0.00135796	0.009940064	0.025683187	5.0937E-06	21.38841438	1.86648E-05	0.000300497	0.0003348
2085 Jun	63.07285309	0.057100184	0.013443262	0.0010004742	14.39182091	0.027194271	5.080809593	0.0010004742	0.0010004742	5.02371E-06	0.007084939	0.001366705	0.009719457	0.026262904	5.02371E-06	21.79478455	1.86557E-05	0.000305503	0.000348737
2085 Jul	65.69428253	0.059176914	0.013980963	0.0010052592	14.97807884	0.028559761	5.290764809	0.0010052592	0.0010052592	5.26296E-06	0.007404699	0.001427218	0.010165889	0.027336732	5.26296E-06	22.68239784	1.9445E-05	0.000317796	0.000362047
2085 Aug	65.62600708	0.058997124	0.013886766	0.0010060946	14.97799015	0.029186552	5.294847488	0.0010060946	0.0010060946	5.30473E-06	0.007418178	0.001431187	0.010284378	0.027248247	5.30473E-06	22.63186264	1.92377E-05	0.000316531	0.000358372
2085 Sep	63.71032333	0.058998417	0.013283048	0.0010038711	14.59009171	0.029272117	5.170950413	0.0010038711	0.0010038711	5.19355E-06	0.007277541	0.001390769	0.010176228	0.026295856	5.19355E-06	21.90995026	1.85397E-05	0.000305883	0.000341879
2085 Oct	62.23483276	0.059503857	0.012813215	0.0010019455	14.28958225	0.029212339	5.079736233	0.0010019455	0.0010019455	5.09728E-06	0.007185514	0.001358414	0.010040782	0.025575381	5.09728E-06	21.35468483	1.81143E-05	0.0002975	0.000329824
2085 Nov	61.4986496	0.059726894	0.012581323	0.0010009773	14.13906288	0.029172886	5.033781052	0.0010009773	0.0010009773	5.04887E-06	0.007138406	0.001342274	0.009971642	0.025217643	5.04887E-06	21.0783844	1.79019E-05	0.000293337	0.000323874
2085 Dec	61.51115417	0.059751265	0.012582821	0.00101001	14.1421814	0.029182855	5.034990788	0.00101001	0.00101001	5.05005E-06	0.007140358	0.001342545	0.009974324	0.025222041	5.05005E-06	21.08235741	1.79056E-05	0.000293388	0.000323913
2086 Jan	61.51660919	0.0597599	0.012583945	0.0010010058	14.14364052	0.029184885	5.03552103	0.0010010058	0.0010010058	5.05029E-06	0.007140741	0.001342651	0.009974795	0.025224552	5.05029E-06	21.08443069	1.79064E-05	0.000293412	0.000323949
2086 Feb	61.52468872	0.059767138	0.012586053	0.0010010122	14.14567184	0.029186273	5.03621769	0.0010010122	0.0010010122	5.05061E-06	0.007141131	0.00134281	0.009975273	0.025228541	5.05061E-06	21.08760834	1.79076E-05	0.000293451	0.000324014
2086 Mar	61.55210114	0.059793431	0.012591909	0.0010010534	14.15206909	0.029197939	5.038480282	0.0010010534	0.0010010534	5.05267E-06	0.007144013	0.001343399	0.009979262	0.025240149	5.05267E-06	21.09722519	1.7915E-05	0.000293583	0.000324171
2086 Apr	61.84538269	0.060078144	0.012652048	0.0010015327	14.2195549	0.029336298	5.062498569	0.0010015327	0.0010015327	5.07664E-06	0.007177882	0.001349794	0.010026552	0.025360623	5.07664E-06	21.19787788	1.8E-05	0.000294982	0.000325722
2086 May	63.18716812	0.061102286	0.012992522	0.0010030108	14.53625679	0.029628359	5.170595646	0.0010030108	0.0010030108	5.15054E-06	0.007276384	0.001377087	0.010150873	0.025986131	5.15054E-06	21.70012283	1.83155E-05	0.000301698	0.000335465
2086 Jun	60.85758209	0.055879168	0.012867586	0.0009974662	13.91271973	0.026768075	4.917869568	0.0009974662	0.0009974662	4.87331E-06	0.006872369	0.001319899	0.009489254	0.025256904	4.87331E-06	20.99731445	1.79014E-05	0.000294029	0.000333183
2086 Jul	62.11575317	0.056166258	0.013101913	0.0010011399	14.12730026	0.027626954	4.994277477	0.0010011399	0.0010011399	5.05699E-06	0.007127844	0.001352657	0.009839989	0.025666216	5.05699E-06	21.34645844	1.86098E-05	0.000300526	0.000336519
2086 Aug	63.3448143	0.057073794	0.013300342	0.0010039851	14.41645622	0.02872185	5.101214409	0.0010039851	0.0010039851	5.19925E-06	0.007286535	0.001384995	0.010127407	0.026138239	5.19925E-06	21.74920273	1.88284E-05	0.00030553	0.000340689
2086 Sep	62.05153656	0.057001576	0.012862763	0.00102749	14.16773891	0.029038122	5.020694733	0.00102749	0.00102749	5.13745E-06	0.007187149	0.001358787	0.010124241	0.025461935	5.13745E-06	21.25393295	1.82272E-05	0.00029821	0.000328104
2086 Oct	61.7606163	0.057720121	0.012718447	0.00102499	14.121418	0.02921911	5.012293816	0.00102499	0.00102499	5.12495E-06	0.007192291	0.001352288	0.010126621	0.025286037	5.12495E-06	21.13029289	1.81417E-05	0.000296128	0.00032446
2086 Nov	61.92779922	0.057905421	0.0127504	0.0010027833	14.16023636	0.02930755	5.02630806	0.0010027833	0.0010027833	5.13917E-06	0.007212905	0.001355945	0.010155502	0.025352819	5.13917E-06	21.18678474	1.81908E-05	0.00029691	0.000325276
2086 Dec	61.95154572	0.05793412	0.012754735	0.0010028243	14.16579819	0.029320877	5.028335094	0.0010028243	0.0010028243	5.14121E-06	0.007215926	0.001356464	0.010159724	0.025362168	5.14121E-06	21.19474983	1.81978E-05	0.000297019	0.000325387
2087 Jan	61.9577179	0.057941951	0.012756003	0.0010028321	14.16732979	0.029323494	5.028886795	0.0010028321	0.0010028321	5.1416E-06	0.007216503	0.001356591	0.010160496	0.025364852	5.1416E-06	21.19697952	1.81991E-05	0.000297047	0.000325424
2087 Feb	61.97839737	0.057961091	0.012760513	0.0010028624	14.17216301	0.029331908	5.030587673	0.0010028624	0.0010028624	5.14312E-06	0.007218602	0.001357034	0.010163411	0.025373701	5.14312E-06	21.20428658	1.82046E-05	0.000297147	0.000325545
2087 Mar	62.04370499	0.058022063	0.012774095	0.0010029687	14.18715286	0.029362066	5.03590107	0.0010029687	0.0010029687	5.14843E-06	0.007226039	0.001358458	0.01017386	0.025400648	5.14843E-06	21.22675896	1.82234E-05	0.00029746	0.000325895
2087 Apr	62.19463348	0.058163151	0.012805249	0.0010032179	14.22169685	0.029433064	5.048158646	0.0010032179	0.0010032179	5.1609E-06	0.007243521	0.00136176	0.010198461	0.025462557	5.1609E-06	21.27846718	1.82675E-05	0.000298183	0.000326692
2087 May	63.13301468	0.058627911	0.013113705	0.0010034302	14.4540596	0.029261392	5.122891426	0.0010034302	0.0010034302	5.17151E-06	0.007249072	0.001378558	0.010180423	0.02598354	5.17151E-06	21.67707443	1.8402E-05	0.000303191	0.00033646
2087 Jun	63.11111069	0.056867655	0.013447905	0.0010002193	14.45300102	0.027466446	5.097604752	0.0010002193	0.0010002193	5.01097E-06	0.007004866	0.001368574	0.009748477	0.026312541	5.01097E-06	21.8498497	1.82271E-05	0.000305225	0.000349015
2087 Jul	64.71159363	0.057834357	0.013757316	0.0010037411	14.79640388	0.028508857	5.222909451	0.0010037411	0.0010037411	5.18706E-06	0.007227922	0.001408814	0.01006702	0.026945328	5.18706E-06	22.37117767	1.87425E-05	0.000312453	0.000355933
2087 Aug	67.19534302	0.059919719	0.014258092	0.0010081594	15.36667824	0.029863875	5.427028656	0.0010081594	0.0010081594	5.40797E-06	0.007515557	0.001465941	0.010492667	0.027966609	5.40797E-06	23.22047997	1.94004E-05	0.000323941	0.000368481

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Sep	68.16883087	0.061510205	0.014393789	0.001099881	15.60586071	0.030596092	5.517282486	0.001099881	0.001099881	5.49941E-06	0.007655481	0.001487371	0.010700369	0.028319182	5.49941E-06	23.53516579	1.96621E-05	0.000328102	0.000371841
2087 Oct	67.52457428	0.061977547	0.014166394	0.001092263	15.47899628	0.030655498	5.481021404	0.001092263	0.001092263	5.46131E-06	0.00762677	0.001473243	0.010656593	0.027988056	5.46131E-06	23.28533173	1.94805E-05	0.000324277	0.00036598
2087 Nov	67.24515533	0.062187247	0.014067159	0.001088977	15.42411232	0.030683594	5.465400696	0.001088977	0.001088977	5.44489E-06	0.007614609	0.001467114	0.010637991	0.027844019	5.44489E-06	23.17679214	1.94018E-05	0.000322613	0.000363422
2087 Dec	67.26808167	0.0622175	0.014071167	0.001089373	15.42955017	0.030697061	5.467401505	0.001089373	0.001089373	5.44686E-06	0.007617582	0.001467614	0.010642113	0.027852966	5.44686E-06	23.18445969	1.94084E-05	0.000322717	0.000363526
2088 Jan	67.2795639	0.062231053	0.014073545	0.001089527	15.4323473	0.030701984	5.468404293	0.001089527	0.001089527	5.44764E-06	0.007618704	0.001467854	0.010643631	0.027857909	5.44764E-06	23.1885643	1.94111E-05	0.00032277	0.000363594
2088 Feb	67.28902435	0.062239587	0.014075858	0.001089627	15.434659	0.030704461	5.469204426	0.001089627	0.001089627	5.44813E-06	0.007619357	0.001468047	0.010644488	0.027862338	5.44813E-06	23.19213676	1.9413E-05	0.000322816	0.000363662
2088 Mar	67.36402893	0.062308848	0.01409173	0.001090812	15.45194054	0.030737687	5.475317955	0.001090812	0.001090812	5.45406E-06	0.007627623	0.001469675	0.010656007	0.027893675	5.45406E-06	23.21816063	1.94342E-05	0.000323176	0.000364076
2088 Apr	67.9917984	0.062889338	0.014223305	0.001100937	15.59604549	0.031022741	5.526366234	0.001100937	0.001100937	5.50469E-06	0.007698387	0.001483361	0.010754826	0.028154004	5.50469E-06	23.43476677	1.96146E-05	0.000326188	0.000367482
2088 May	69.46794891	0.064240254	0.014542664	0.00112326	15.93840885	0.031638574	5.647053242	0.00112326	0.00112326	5.6163E-06	0.007853228	0.001515148	0.010969281	0.028780518	5.6163E-06	23.95274162	2.00167E-05	0.000333289	0.00037597
2088 Jun	65.33250427	0.058071353	0.013688395	0.001089069	14.77970505	0.02979978	5.225891113	0.001089069	0.001089069	5.44535E-06	0.007652228	0.001431029	0.010638275	0.0267979	5.44535E-06	22.32522202	1.98913E-05	0.000316362	0.000347252
2088 Jul	67.14389801	0.058900185	0.014046991	0.001133875	15.11420059	0.03080493	5.342722416	0.001133875	0.001133875	5.66938E-06	0.007976194	0.001474319	0.011078775	0.027424937	5.66938E-06	22.86010361	2.08216E-05	0.000325899	0.00035368
2088 Aug	71.23671722	0.062476903	0.014882495	0.001205185	16.04091835	0.032850642	5.671245575	0.001205185	0.001205185	6.02593E-06	0.008466087	0.001565463	0.011786976	0.029081507	6.02593E-06	24.2475872	2.20355E-05	0.000345527	0.000374406
2088 Sep	72.20943451	0.063700162	0.01504152	0.001223468	16.27291679	0.033517659	5.755952835	0.001223468	0.001223468	6.11734E-06	0.008595258	0.001587168	0.011992148	0.029444622	6.11734E-06	24.56657791	2.22887E-05	0.000349921	0.000378172
2088 Oct	69.42700958	0.063741885	0.014253153	0.001181304	15.70097923	0.033014178	5.573702812	0.001181304	0.001181304	5.90652E-06	0.008353627	0.001525538	0.011647278	0.028175715	5.90652E-06	23.56524277	2.14015E-05	0.000334678	0.00035851
2088 Nov	68.98940277	0.06402491	0.01410604	0.001175224	15.61713028	0.03302227	5.549418926	0.001175224	0.001175224	5.87612E-06	0.008325543	0.001515793	0.011606021	0.027961269	5.87612E-06	23.40169716	2.12588E-05	0.000332086	0.000354854
2088 Dec	69.02360535	0.064065956	0.014112256	0.001175826	15.62508011	0.033041578	5.552317619	0.001175826	0.001175826	5.87913E-06	0.008330005	0.001516543	0.011612213	0.027974633	5.87913E-06	23.41309738	2.12692E-05	0.000332244	0.000355011
2089 Jan	69.03219604	0.064076923	0.014114019	0.001175934	15.62721252	0.033045214	5.553085804	0.001175934	0.001175934	5.87967E-06	0.008330809	0.00151672	0.011613282	0.027978366	5.87967E-06	23.41619873	2.12711E-05	0.000332283	0.000355062
2089 Feb	69.04841614	0.064091742	0.014117705	0.001176151	15.6310482	0.03305098	5.554427624	0.001176151	0.001176151	5.88076E-06	0.008332297	0.001517061	0.011615304	0.027985515	5.88076E-06	23.42205238	2.12751E-05	0.000332361	0.000355164
2089 Mar	69.14144897	0.06417796	0.014136925	0.001177703	15.65219498	0.033094417	5.561931133	0.001177703	0.001177703	5.88852E-06	0.008343268	0.001519097	0.011630568	0.028023534	5.88852E-06	23.4538002	2.13032E-05	0.000332809	0.000355653
2089 Apr	69.5470047	0.064554311	0.01421999	0.001184588	15.74406624	0.033287756	5.594569206	0.001184588	0.001184588	5.92294E-06	0.008392023	0.001528002	0.011698512	0.028188132	5.92294E-06	23.59150505	2.14278E-05	0.000334761	0.000357746
2089 May	70.81832123	0.065186337	0.014645017	0.001186023	16.0645752	0.033021715	5.69739151	0.001186023	0.001186023	5.93012E-06	0.008386637	0.001550459	0.011658627	0.028907808	5.93012E-06	24.14069939	2.15732E-05	0.00034152	0.00037139
2089 Jun	71.05747986	0.063854374	0.015047234	0.001152392	16.15438461	0.031284422	5.704048634	0.001152392	0.001152392	5.76196E-06	0.008120408	0.001545094	0.011211193	0.029396437	5.76196E-06	24.44031906	2.12935E-05	0.000344499	0.000386711
2089 Jul	73.2403183	0.065377377	0.015478448	0.001196717	16.63421059	0.032598164	5.878088474	0.001196717	0.001196717	5.98358E-06	0.008405495	0.001598157	0.011615856	0.030276142	5.98358E-06	25.16564941	2.19596E-05	0.000354443	0.000396884
2089 Aug	75.47490692	0.067071572	0.015910473	0.001240761	17.14346886	0.034021053	6.063655853	0.001240761	0.001240761	6.20381E-06	0.008678038	0.001652714	0.012022611	0.031190287	6.20381E-06	25.9207859	2.25311E-05	0.0003643	0.000407382
2089 Sep	75.41784668	0.068081774	0.015797546	0.001243191	17.15574265	0.034416173	6.076366901	0.001243191	0.001243191	6.21596E-06	0.008713788	0.00165162	0.012088872	0.031094231	6.21596E-06	25.87195206	2.2481E-05	0.000363246	0.000404332
2089 Oct	71.97138977	0.067905597	0.014823644	0.001193364	16.43278694	0.033802327	5.843980789	0.001193364	0.001193364	5.96682E-06	0.008430449	0.001575762	0.011689497	0.029502625	5.96682E-06	24.61789513	2.14436E-05	0.000344611	0.000379495
2089 Nov	71.83161163	0.06818077	0.014759907	0.001192015	16.40933609	0.033869673	5.838912487	0.001192015	0.001192015	5.96008E-06	0.008430006	0.001572649	0.011688024	0.029421657	5.96008E-06	24.56013298	2.14006E-05	0.00034366	0.000377876
2089 Dec	71.87350464	0.068228848	0.014767803	0.001192731	16.41907883	0.033892147	5.842446804	0.001192731	0.001192731	5.96365E-06	0.008435248	0.001573565	0.011695274	0.029438335	5.96365E-06	24.57425499	2.14131E-05	0.000343854	0.000378078
2090 Jan	71.89380646	0.068250708	0.014771973	0.001193036	16.42387581	0.033901326	5.84416151	0.001193036	0.001193036	5.96518E-06	0.008437441	0.001573999	0.011698272	0.029446851	5.96518E-06	24.58135033	2.14185E-05	0.00034395	0.000378191
2090 Feb	71.91917419	0.068274461	0.014777512	0.001193405	16.42980385	0.033911515	5.846251965	0.001193405	0.001193405	5.96703E-06	0.00844001	0.001574542	0.011701787	0.029457737	5.96703E-06	24.59032631	2.14252E-05	0.000344071	0.000378341
2090 Mar	71.9924469	0.068343841	0.014792749	0.001194593	16.44661903	0.033945099	5.85222435	0.001194593	0.001194593	5.97297E-06	0.008448387	0.001576139	0.011713776	0.029488023	5.97297E-06	24.61554718	2.14466E-05	0.000344422	0.000378735
2090 Apr	72.24467468	0.068583183	0.014844677	0.001198762	16.504282	0.034063473	5.872736454	0.001198762	0.001198762	5.99381E-06	0.008477858	0.001581657	0.011754223	0.02959149	5.99381E-06	24.70188141	2.15214E-05	0.000345629	0.000380067
2090 May	73.20292664	0.06938123	0.015070602	0.001211305	16.72777367	0.034362625	5.950202465	0.001211305	0.001211305	6.05653E-06	0.00856386	0.001601701	0.011867983	0.030018032	6.05653E-06	25.04902267	2.1769E-05	0.000350346	0.000386311
2090 Jun	69.07614899	0.062755436	0.01458702	0.001119689	15.72551537	0.030569827	5.562231541	0.001119689	0.001119689	5.59845E-06	0.007899866	0.001503321	0.010858236	0.02859793	5.59845E-06	23.76687813	2.06549E-05	0.000333858	0.000375888
2090 Jul	70.56768036	0.063442305	0.014877559	0.001156621	16.00890923	0.031464975	5.662847042	0.001156621	0.001156621	5.78311E-06	0.00815763	0.001539966	0.011212207	0.029128177	5.78311E-06	24.21461678	2.13608E-05	0.000341395	0.000381263
2090 Aug	68.86906433	0.061895102	0.01437183	0.001143672	15.66091156	0.031855702	5.544445992	0.001143672	0.001143672	5.71836E-06	0.007990457	0.001510574	0.01118941	0.028303189	5.71836E-06	23.58455276	2.04766E-05	0.000331788	0.000365997
2090 Sep	66.41513824	0.061876178	0.013638197	0.001110955	15.16008091	0.031693041	5.384049892	0.001110955	0.001110955	5.55477E-06	0.007792844	0.001457478	0.010973562	0.027131075	5.55477E-06	22.68006325	1.96324E-05	0.000318294	0.000346698
2090 Oct	63.22241592	0.062621891	0.012667971	0.001065891	14.50811577	0.031351551	5.182487011	0.001065891	0.001065891	5.32945E-06	0.007561878	0.001386786	0.010630023	0.025616668	5.32945E-06	21.50132179	1.86829E-05	0.000300425	0.0003222
2090 Nov	62.23914337	0.062657282	0.012385597	0.001051577	14.30331707	0.031184657	5.11742115	0.001051577	0.001051577	5.25788E-06	0.007483245	0.001365047	0.010514614	0.025161248	5.25788E-06	21.14291954	1.83908E-05	0.000295056	0.000315064
2090 Dec	62.26743317	0.06270045	0.012389984	0.001052088	14.31012249	0.031203497	5.119973183	0.001052088	0.001052088	5.26044E-06	0.007487214	0.001365665	0.010520121	0.025171854	5.26044E-06	21.15218163	1.83991E-05	0.00029518	0.000315176
2091 Jan	67.2768898	0.062712938	0.012391918	0.001052203	14.31249619	0.03120747	5.120829582	0.001052203	0.001052203	5.26102E-06	0.007488072	0.001365859	0.010521258	0.025175992	5.26102E-06	21.15561867	1.84011E-05	0.000295223	0.000315234
2091 Feb	62.28536987	0.062720641	0.012394089	0.001052276	14.31461525	0.031209147	5.121558666	0.001052276	0.001052276	5.26138E-06	0.007488529	0.001366027	0.010521831	0.02518012	5.26138E-06	21.15891838	1.84025E-05	0.000295264	0.0003153
2091 Mar	62.3924408	0.062827989	0.012415659	0.001054046	14.33931541	0.031261384	5.130380154	0.001054046	0.001054046	5.27023E-06	0.007501093	0.001368365	0.010539447	0.025223788	5.27023E-06	21.19552231	1.84335E-05	0.000295772	0.000315855
2091 Apr	62.81156158	0.063249767	0.012499213	0.001061104	14.43569374	0.031470571	5.164853096	0.001061104	0.001061104	5.30552E-06	0.007551305	0.001377552	0.010609975	0.025393449	5.30552E-06	21.33803368	1.8557E-05	0.000297759	0.000317984
2091 May	64.3445816	0.064317077	0.012911209	0.001075529	14.80011368	0.03168533	5.287648201	0.001075529	0.001075529	5.37764E-06	0.007644215	0.001408069	0.010720029	0.026134077	5.37764E-06	21.92636871	1.88922E-05	0.000305545	0.000330037
2091 Jun	64.40715027	0.061588027	0.013404003	0.001034503	14.81094456	0.029268308	5.254949093	0.001034503	0.001034503	5.17252E-06	0.007316458	0.001397414	0.010155435	0.02662543	5.17252E-06	22.19392776	1.8673E-05	0.000308935	0.000347754
2091 Jul	67.79914856	0.064486973	0.014099544	0.001095185	15.56315899	0.030919276	5.521981239	0.001095185	0.001095185	5.47592E-06	0.007743668	0.001473089	0.010747089	0.027986605	5.47592E-06	23.3313694	1.97833E-05	0.000325369	0.000364777
2091 Aug	67.73155975	0.064321384	0.013994927	0.001104154	15.56744003	0.031616777	5.526461124	0.001104154	0.001104154	5.52077E-06	0.007756918	0.001476908	0.010893601	0.027881311	5.52077E-06	23.27672386	1.95414E-05	0.000324167	0.000360558
2091 Sep	66.73190308	0.063992262	0.013658381	0.001096237	15.37259102	0.031926837	5.461039543	0.001096237	0.001096237	5.48119E-06	0.007677312	0.001457415	0.010920973	0.027348129	5.48119E-06	22.89006233	1.90414E-05	0.00031862	0.000350404
2091 Oct	64.83130646	0.06407129	0.013106064	0.001069832	14.97167587	0.031633109	5.334238529	0.001069832	0.001069832	5.34916E-06	0.007537194	0.001415739	0.010708444	0.02645744	5.34916E-06	22.18958664	1.85118E-05	0.000308231	0.000336286
2091 Nov	63.48173904	0.064273655	0.012701316	0.001051452	14.68983364	0.031471878	5.246409893	0.001051452	0.001051452	5.25726E-06	0.007443739	0.001386133	0.010565107	0.025816383	5.25726E-06	21.68846321	1.81367E-05	0.000300754	0.00032543
2091 Dec	63.47655487	0.064344995	0.012693701	0.00105156	14.69012165	0.031494103	5.247138977	0.00105156	0.00105156	5.2578E-06	0.007446294	0.001386013	0.010568212	0.025809776	5.2578E-06	21.68473816	1.81357E-05	0.000300676	0.00032575
2092 Jan	63.48574829	0.064357691	0.012695594	0.001051664	14.69246674	0.031497814	5.247986317	0.001051664	0.001051664	5.25832E-06	0.007447075	0.001386198	0.01056923	0.025813857	5.25832E-06	21.6881218	1.81375E-05	0.000300718	0.000325808
2092 Feb	63.50597763	0.064377151	0.012700198	0.001051918	14.69733429	0.031504862	5.249691963	0.001051918	0.001051918	5.25959E-06	0.00744881	0.00138662	0.010571607	0.025822887	5.25959E-06	21.69550896	1.8142E-05	0.000300814	0.000325938
2092 Mar	63.63442612	0.064506784	0.012726191	0.001054002	14.72716427	0.031566963	5.26032877	0.001054002	0.001054002	5.27001E-06	0.00746353	0.001389414	0.010592451	0.025875553	5.27001E-06	21.73965073	1.81781E-05	0.000301423	0.000326612
2092 Apr	63.9887619	0.064865656	0.012797224	0.001059847	14.80922604	0.031741828	5.289629459	0.001059847	0.001059847	5.29923E-06	0.007504894	0.001397144	0.010651129	0.026019879	5.29923E-06	21.86084938	1.82789E-05	0.000303102	0.000328439
2092 May	65.47564697	0.06574592	0.01322895	0.001070626	15.16473389	0.031783685	5.407256126	0.001070626	0.001070626	5.35313E-06	0.007569751	0.001425882	0.010714275	0.026773239	5.35313E-06	22.45041084	1.85779E-05	0.000310818	0.000341387
2092 Jun	61.66396713	0.058158252	0.01299362	0.000971634	14.21409035	0.027235003	5.026316166	0.000971634	0.000971634	4.85817E-06	0.006840517	0.001331824	0.009537552	0.025657777	4.85817E-06	21.35685349	1.75666E-05	0.000296879	0.000339029
2092 Jul	61.05781174	0.056614835	0.012834107	0.000980292	13.99097729	0.027275883	4.947592735	0.000980292	0.000980292	4.90146E-06	0.006900437	0.001324501	0.009613913	0.025279213	4.90146E-06	21.05179214	1.77867E-05	0.000294515	0.000331824
2092 Aug	63.59852219	0.058949672	0.013336957	0.001024455	14.58001518	0.028657041	5.156970024	0.001024455	0.001024455	5.12228E-06	0.007195027	0.001381364	0.010067026	0.026304547	5.12228E-06	21.91702461	1.84529E-05	0.000306471	0.000344321
2092 Sep	63.62099838	0.05949086	0.013262999	0.001029182	14.60523605	0.029091014	5.169711113	0.001029182	0.001029182	5.14591E-06	0.00722344	0.001382897	0.010165834	0.026246063	5.14591E-06	21.89942741	1.83686E-05	0.000306061	0.000341777
2092 Oct	62.9933548	0.059924353	0.013043118	0.001021766	14.48122597	0.02914517	5.134304047	0.001021766	0.001021766	5.10883E-06	0.007194743	0.001369249	0.010120524	0.025926096	5.10883E-06	21.65685844	1.81913E-05	0.000302321	0.000336129
2092 Nov	62.87801361	0.060098305	0.012994482	0.001020657	14.46029091	0.029186646	5.129237652	0.001020657	0.001020657	5.10328E-06	0.007193402	0.001366741	0.010117277	0.025861651	5.10328E-06	21.60982704	1.81591E-05	0.000301567	0.00033488
2092 Dec	62.91632462	0.060143247	0.013001673	0.001021301	14.46926498	0.029207213	5.132490158	0.001021301	0.001021301	5.1065E-06	0.007198133	0.001367573	0.01012389	0.025876911	5.1065E-06	21.62277794	1.81702E-05	0.000301745	0.000335066
2093 Jan	62.92269516	0.06015189	0.013002983	0.001021375	14.47088051	0.029209822	5.133073807	0.001021375	0.001021375	5.10688E-06	0.007198688	0.001367703	0.010124619	0.025879726	5.10688E-06	21.62511444	1.81715E-05	0.000301774	0.000335105
2093 Feb	62.94033813	0.060168393	0.013006952	0.001021612	14.47506618	0.029216271	5.134540558	0.001021612	0.001021612	5.10806E-06	0.007200313	0.001368074	0.010126852	0.025887473	5.10806E-06	21.63147354	1.81758E-05	0.000301859	0.000335215
2093 Mar	63.12756348	0.06034717	0.01304582	0.001024623	14.5181942	0.029302225	5.149828911	0.001024623	0.001024623	5.12312E-06	0.007221516	0.001372136	0.010156645	0.025964748	5.12312E-06	21.69598007	1.82294E-05	0.000302757	0.000336221
2093 Apr	63.50621414	0.060709029	0.013124173	0.001030753	14.60531712	0.029477434	5.180726528	0.001030753	0.001030753	5.15377E-06	0.007264708	0.001380363	0.010217375	0.026120642	5.15377E-06	21.82621002	1.83385E-05	0.000304573	0.000338243
2093 May	64.99819183	0.061722863	0.013533331	0.001043804	14.96139431	0.029642127	5.300270557	0.001043804	0.001043804	5.21902E-06	0.007347636	0.001409807	0.010311261	0.026851825	5.21902E-06	22.40456581	1.86545E-05	0.000312177	0.000350333
2093 Jun	63.77833939	0.058276273	0.013651944	0.000994146	14.6595974	0.027176488	5.165356636	0.000994146	0.000994146	4.97073E-06	0.006975288	0.001374592	0.009687161	0.02669164	4.97073E-06	22.1587162	1.82287E-05	0.000308877	0.000356858
2093 Jul	65.80948639	0.059647933	0.014060362	0.001035639	15.09406853	0.02831327	5.320884228	0.001035639	0.001035639	5.17819E-06	0.00725341	0.001422829	0.010076758	0.027491614	5.17819E-06	22.82320595	1.89315E-05	0.00031855	0.000366193
2093 Aug	67.84456635	0.061346631	0.014458615	0.001073136	15.56466198	0.029523706	5.490009308	0.001073136	0.001073136	5.36568E-06	0.007490949	0.001470465	0.01044336	0.028320899	5.36568E-06	23.51604843	1.94366E-05	0.000327802	0.000376008
2093 Sep	67.63027191	0.062224325	0.014304694	0.001074041	15.53990364	0.029896626	5.490049362	0.001074041	0.001074041	5.3702E-06	0.007515428	0.001466281	0.010498172	0.02815018	5.3702E-06	23.40776825	1.93458E-05	0.000325953	0.000371749
2093 Oct	64.06424713	0.062245175	0.013257857	0.001026925	14.78417015	0.029450338	5.250644684	0.001026925	0.001026925	5.13462E-06	0.007261488	0.001389094	0.010132181	0.026461137	5.13462E-06	22.0838089	1.83453E-05	0.000306438	0.000344547
2093 Nov	63.06822586	0.062781803	0.012918432	0.001015295	14.58332062	0.029507363	5.191827297	0.001015295	0.001015295	5.07647E-06	0.007213441	0.001367556	0.010060107	0.025956461	5.07647E-06	21.6995945	1.8069E-05	0.000300613	0.000335728
2093 Dec	63.10673904	0.062836215	0.012924896	0.001015961	14.59253597	0.029530881	5.195240974	0.001015961	0.001015961	5.07981E-06	0.007218539	0.001368391	0.010067164	0.025971312	5.07981E-06	21.71240997	1.80801E-05	0.000300785	0.000335896
2094 Jan	63.12026215	0.062852837	0.012927672	0.00101614	14.59585762	0.029536702	5.196434975	0.00101614	0.00101614	5.0807E-06	0.007219848	0.001368673	0.010068927	0.025977142	5.0807E-06	21.71725845	1.80832E-05	0.000300847	0.000335975
2094 Feb	63.13338852	0.062865108	0.012930818	0.001016284	14.59906006	0.029540427	5.197547913	0.001016284	0.001016284	5.08142E-06	0.00722081	0.00136894	0.0100702	0.025983216	5.08142E-06	21.72217751	1.80859E-05	0.00030091	0.000336067
2094 Mar	63.23043442	0.062961303	0.012950943	0.001017809	14.62158966	0.029584508	5.205554008	0.001017809	0.001017809	5.08905E-06	0.007231614	0.001371036	0.010085231	0.02602352	5.08905E-06	21.75578308	1.81131E-05	0.000301373	0.000336596
2094 Apr	63.48789597	0.063217424	0.01300382	0.001021932	14.68117809	0.029704215	5.226760387	0.001021932	0.001021932	5.10966E-06	0.007260891	0.001376613	0.010126039	0.026129691	5.10966E-06	21.84449577	1.81865E-05	0.000302601	0.000337973
2094 May	64.47657776	0.063409828	0.013372642	0.001020597	14.92597771	0.029316558	5.302120686	0.001020597	0.001020597	5.10299E-06	0.007234854	0.001393497	0.010056676	0.026722141	5.10299E-06	22.28738213	1.82956E-05	0.000308128	0.000349819
2094 Jun	65.89196014	0.062813684	0.01399945	0.001014227	15.25078583	0.028280718	5.392309666	0.001014227	0.001014227	5.07114E-06	0.007160699	0.001416164	0.009879603	0.027633887	5.07114E-06	22.94767952	1.85248E-05	0.000316986	0.000369541
2094 Jul	69.59119415	0.066007987	0.014768099	0.001077648	16.08675766	0.030056223	5.689662457	0.001077648	0.001077648	5.38824E-06	0.00759762	0.001498781	0.010486256	0.029154968	5.38824E-06	24.21024895	1.96346E-05	0.000334631	0.000388977

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Aug	73.92901611	0.070027269	0.015668204	0.001148013	17.09115791	0.032120176	6.046662807	0.001148013	0.001148013	5.74006E-06	0.008079049	0.001594299	0.011172016	0.03095999	5.74006E-06	25.71164131	2.08143E-05	0.000355158	0.000412355
2094 Sep	73.50049591	0.070990063	0.015442082	0.00114679	17.0203495	0.032501969	6.033017635	0.00114679	0.00114679	5.73395E-06	0.008096497	0.001585587	0.011213298	0.030678712	5.73395E-06	25.51856804	2.06792E-05	0.000352084	0.000406158
2094 Oct	71.00138855	0.070760369	0.014718842	0.001114817	16.48214149	0.032171816	5.860640526	0.001114817	0.001114817	5.57409E-06	0.007920553	0.001531954	0.0109654	0.02949311	5.57409E-06	24.5874691	1.99978E-05	0.000338568	0.000387084
2094 Nov	68.68664551	0.070624158	0.014042011	0.001085449	15.98505497	0.031893175	5.702127934	0.001085449	0.001085449	5.42725E-06	0.007761071	0.001482287	0.010740465	0.028389983	5.42725E-06	23.72283745	1.93675E-05	0.000325994	0.000369231
2094 Dec	68.55659485	0.070627749	0.014002963	0.001083836	15.95733547	0.031881511	5.693390846	0.001083836	0.001083836	5.41918E-06	0.007752622	0.001479498	0.010728514	0.028327271	5.41918E-06	23.67392921	1.93322E-05	0.00032528	0.000368201
2095 Jan	68.57457733	0.070649691	0.014006652	0.001084076	15.96174049	0.031889286	5.694973946	0.001084076	0.001084076	5.42038E-06	0.007754382	0.001479872	0.010730883	0.028335003	5.42038E-06	23.6803627	1.93363E-05	0.000325363	0.000368307
2095 Feb	68.5918045	0.070666187	0.014010726	0.00108427	15.96593666	0.031894412	5.696436882	0.00108427	0.00108427	5.42135E-06	0.007755692	0.001480225	0.010732619	0.028342914	5.42135E-06	23.68678474	1.93399E-05	0.000325445	0.000368425
2095 Mar	68.65768433	0.070733361	0.014024485	0.001085268	15.98137093	0.031923462	5.701924801	0.001085268	0.001085268	5.42634E-06	0.007762791	0.001481636	0.0107424	0.028370567	5.42634E-06	23.70979118	1.93578E-05	0.000325759	0.000368793
2095 Apr	69.01000214	0.071095943	0.014096628	0.001090813	16.06344032	0.03208638	5.73119545	0.001090813	0.001090813	5.45406E-06	0.007802428	0.001489233	0.010797227	0.028516402	5.45406E-06	23.83160973	1.94568E-05	0.000327431	0.000370694
2095 May	69.95877838	0.071130566	0.014464457	0.001089004	16.2955513	0.031658459	5.801161289	0.001089004	0.001089004	5.44502E-06	0.007770467	0.001505366	0.010721671	0.029094461	5.44502E-06	24.26097488	1.95603E-05	0.000332852	0.000382427
2095 Jun	71.81443787	0.071369171	0.015107005	0.001096397	16.72340012	0.031221669	5.933415413	0.001096397	0.001096397	5.48198E-06	0.007796823	0.001539583	0.010707569	0.030114863	5.48198E-06	25.03495407	1.99401E-05	0.000343326	0.000401749
2095 Jul	76.0333786	0.075259045	0.015975181	0.001166605	17.69548225	0.033287004	6.281306267	0.001166605	0.001166605	5.83303E-06	0.008276742	0.001633763	0.01137483	0.03187063	5.83303E-06	26.49001122	2.11142E-05	0.000363067	0.000424271
2095 Aug	75.3108902	0.074237078	0.015745305	0.00116691	17.53536415	0.033669453	6.229423523	0.00116691	0.00116691	5.83455E-06	0.008226271	0.001625128	0.011399787	0.031510115	5.83455E-06	26.20738411	2.07438E-05	0.000358569	0.000416815
2095 Sep	75.1468277	0.074384339	0.015621583	0.001171176	17.51757431	0.034156904	6.224901676	0.001171176	0.001171176	5.85588E-06	0.008235405	0.001623552	0.011518884	0.031350479	5.85588E-06	26.11644554	2.05556E-05	0.000357327	0.000412339
2095 Oct	74.97122192	0.074768849	0.01553443	0.001170277	17.48648643	0.034273434	6.218546391	0.001170277	0.001170277	5.85138E-06	0.008242321	0.001619815	0.011526401	0.031240169	5.85138E-06	26.03871727	2.05168E-05	0.000356106	0.000410021
2095 Nov	73.81594849	0.074813686	0.015186467	0.001156184	17.23814201	0.034166254	6.140282154	0.001156184	0.001156184	5.78092E-06	0.008171395	0.001594979	0.011422612	0.030679338	5.78092E-06	25.60167313	2.02205E-05	0.000349789	0.000400798
2095 Dec	73.70687103	0.074875392	0.015148401	0.001155043	17.21570969	0.034176346	6.133736134	0.001155043	0.001155043	5.77521E-06	0.008167392	0.001592639	0.011416357	0.030622574	5.77521E-06	25.55869102	2.01935E-05	0.000349153	0.000399788
2096 Jan	73.72396088	0.074896805	0.015151915	0.001155262	17.21994019	0.034183625	6.135257244	0.001155262	0.001155262	5.77631E-06	0.008169002	0.001592993	0.01141852	0.030629992	5.77631E-06	25.56485367	2.01972E-05	0.000349232	0.00039989
2096 Feb	73.76672363	0.074938938	0.015161323	0.001155844	17.23013115	0.034200169	6.138850689	0.001155844	0.001155844	5.77922E-06	0.008173035	0.001593895	0.011424063	0.030648632	5.77922E-06	25.58020401	2.02076E-05	0.000349435	0.000400151
2096 Mar	73.84312439	0.07501585	0.015177362	0.001156993	17.24808693	0.034233809	6.145227432	0.001156993	0.001156993	5.78497E-06	0.008181117	0.001595534	0.011435308	0.030680854	5.78497E-06	25.60698318	2.02278E-05	0.000349798	0.000400582
2096 Apr	74.19863129	0.075376615	0.01525062	0.001162537	17.3311882	0.034397632	6.174824238	0.001162537	0.001162537	5.81268E-06	0.008220291	0.001603208	0.011490036	0.030828834	5.81268E-06	25.73042488	2.03247E-05	0.000351482	0.000402519
2096 May	75.24129486	0.075946748	0.015557933	0.001169922	17.57933426	0.03440677	6.256416798	0.001169922	0.001169922	5.84961E-06	0.008263859	0.001623301	0.011531712	0.031359676	5.84961E-06	26.14499283	2.05361E-05	0.000356941	0.000411713
2096 Jun	68.2378006	0.065173626	0.014398032	0.001064932	15.76428699	0.029864298	5.580723763	0.001064932	0.001064932	5.32466E-06	0.007522451	0.001471169	0.010399899	0.028487567	5.32466E-06	23.6852951	1.93619E-05	0.000327867	0.000378073
2096 Jul	69.52729797	0.065630622	0.014645786	0.001099461	15.9950161	0.030662879	5.662198067	0.001099461	0.001099461	5.49731E-06	0.007766369	0.001503358	0.010733396	0.028923241	5.49731E-06	24.05640793	2.00467E-05	0.00033456	0.000382129
2096 Aug	72.98106384	0.06887643	0.015344566	0.001157127	16.79580688	0.032409325	5.946465015	0.001157127	0.001157127	5.78564E-06	0.008159203	0.001579526	0.011316928	0.030333985	5.78564E-06	25.24106789	2.09759E-05	0.000350931	0.000399885
2096 Sep	71.70327759	0.069183134	0.01491686	0.001143522	16.53772163	0.0325462	5.867395878	0.001143522	0.001143522	5.71761E-06	0.008085568	0.001552736	0.01125503	0.029681321	5.71761E-06	24.74872589	2.05519E-05	0.000343608	0.000388267
2096 Oct	68.43988037	0.069358446	0.013942095	0.001101224	15.84913349	0.032212008	5.650842667	0.001101224	0.001101224	5.50612E-06	0.007861646	0.001482269	0.010933769	0.02812303	5.50612E-06	23.53134346	1.96354E-05	0.000325615	0.000362888
2096 Nov	68.10627747	0.069800846	0.013804667	0.001098145	15.78692532	0.032324325	5.63515234	0.001098145	0.001098145	5.49073E-06	0.007857154	0.001475092	0.010925317	0.027937245	5.49073E-06	23.39527512	1.95441E-05	0.000323475	0.000359309
2096 Dec	68.12123108	0.069825299	0.013806885	0.001098413	15.79056835	0.03233457	5.636528492	0.001098413	0.001098413	5.49207E-06	0.007859275	0.001475416	0.01092824	0.02794281	5.49207E-06	23.40016365	1.95485E-05	0.000323539	0.000359367
2097 Jan	68.12696075	0.069833644	0.013808068	0.001098472	15.79205894	0.032336816	5.637067795	0.001098472	0.001098472	5.49236E-06	0.007859726	0.00147553	0.010928818	0.027945394	5.49236E-06	23.40230179	1.95494E-05	0.000323565	0.000359404
2097 Feb	68.13278198	0.069838755	0.013809646	0.001098509	15.79354286	0.032337483	5.637574196	0.001098509	0.001098509	5.49254E-06	0.007859935	0.001475642	0.010929051	0.027948355	5.49254E-06	23.40464211	1.95502E-05	0.000323593	0.000359454
2097 Mar	68.19571686	0.0699028	0.013822623	0.001099492	15.80820751	0.032366212	5.642795086	0.001099492	0.001099492	5.49746E-06	0.007866942	0.001476998	0.010938765	0.027974488	5.49746E-06	23.42645073	1.95677E-05	0.000323892	0.000359796
2097 Apr	68.62030029	0.070337743	0.013908807	0.00110632	15.90667248	0.032567069	5.677934647	0.00110632	0.00110632	5.5316E-06	0.007915776	0.001486189	0.01100665	0.028148839	5.5316E-06	23.57241058	1.96893E-05	0.000325909	0.000362042
2097 May	70.17155457	0.071468338	0.014312568	0.001122411	16.27358246	0.032854017	5.802445889	0.001122411	0.001122411	5.61206E-06	0.008021408	0.001517489	0.011137074	0.028883027	5.61206E-06	24.15911102	2.0044E-05	0.000333725	0.000373697
2097 Jun	70.05123138	0.069080964	0.014613839	0.001096396	16.2213726	0.031197367	5.758032322	0.001096396	0.001096396	5.48198E-06	0.007806309	0.001508294	0.010769476	0.029122919	5.48198E-06	24.2636795	1.99333E-05	0.000335456	0.000384042
2097 Jul	73.49672699	0.072080612	0.015314208	0.001157619	16.99709702	0.032947917	6.035493374	0.001157619	0.001157619	5.78809E-06	0.008227532	0.001586165	0.011355617	0.030524448	5.78809E-06	25.42962074	2.09834E-05	0.000351751	0.000401507
2097 Aug	75.68206024	0.074057683	0.015734343	0.001197432	17.50616074	0.034256607	6.218937397	0.001197432	0.001197432	5.98716E-06	0.00848435	0.001636821	0.011750937	0.031409636	5.98716E-06	26.17269516	2.15248E-05	0.000361664	0.000411926
2097 Sep	76.69866943	0.075387761	0.01589991	0.001215982	17.75188637	0.034950525	6.308806419	0.001215982	0.001215982	6.07991E-06	0.008615775	0.00165933	0.011960418	0.031792521	6.07991E-06	26.50889015	2.17757E-05	0.000366219	0.000415952
2097 Oct	75.48078156	0.075478695	0.015531871	0.001200606	17.49435043	0.034844719	6.228033066	0.001200606	0.001200606	6.00303E-06	0.008536075	0.001633083	0.011846683	0.031205535	6.00303E-06	26.05167961	2.14403E-05	0.000359496	0.000406308
2097 Nov	74.71112823	0.075374492	0.015313792	0.001190395	17.32854271	0.034721471	6.174551964	0.001190395	0.001190395	5.95197E-06	0.00847854	0.001616483	0.011765245	0.030844895	5.95197E-06	25.76729393	2.1227E-05	0.000355361	0.000400594
2097 Dec	74.55859375	0.075325988	0.015273072	0.001188286	17.29515839	0.034687337	6.163533211	0.001188286	0.001188286	5.94143E-06	0.008465902	0.001613191	0.011747458	0.030775199	5.94143E-06	25.71171951	2.11845E-05	0.000354562	0.000399527
2098 Jan	74.57299042	0.075345069	0.015276032	0.001188459	17.29878044	0.034693286	6.164839268	0.001188459	0.001188459	5.94229E-06	0.008467188	0.001613485	0.011749157	0.030781524	5.94229E-06	25.71696854	2.11874E-05	0.000354627	0.000399616
2098 Feb	74.59091187	0.075361818	0.015280389	0.001188645	17.30317879	0.034698024	6.166365623	0.001188645	0.001188645	5.94323E-06	0.008468421	0.001613848	0.011750769	0.030789917	5.94323E-06	25.72374344	2.11909E-05	0.000354713	0.000399745
2098 Mar	74.63900757	0.075409666	0.015290616	0.001189357	17.31446838	0.034718424	6.170365334	0.001189357	0.001189357	5.94679E-06	0.008473444	0.001614876	0.011757684	0.030810308	5.94679E-06	25.7406559	2.12037E-05	0.000354942	0.00040002
2098 Apr	74.9872818	0.075739563	0.015373096	0.001193294	17.39917183	0.034821935	6.199876785	0.001193294	0.001193294	5.96647E-06	0.008499972	0.001622013	0.011792896	0.030970197	5.96647E-06	25.87041855	2.12766E-05	0.000356616	0.000402417
2098 May	76.2410965	0.075726897	0.015905805	0.00118386	17.723032	0.034001965	6.295702457	0.00118386	0.00118386	5.9193E-06	0.008402795	0.001641495	0.011607888	0.031802461	5.9193E-06	26.47896004	2.13058E-05	0.000363857	0.000420196
2098 Jun	71.72773743	0.068292692	0.015404683	0.001079849	16.6475029	0.029805778	5.87879467	0.001079849	0.001079849	5.39924E-06	0.007625367	0.00153484	0.010439063	0.030317467	5.39924E-06	25.11470795	1.99161E-05	0.000345397	0.000410393
2098 Jul	75.7596817	0.071782202	0.016254833	0.001147442	17.55639267	0.031636886	6.200581551	0.001147442	0.001147442	5.73721E-06	0.008097691	0.001623736	0.011087703	0.031979293	5.73721E-06	26.49379921	2.11516E-05	0.000364865	0.000431993
2098 Aug	76.05319214	0.072000563	0.016229453	0.001161711	17.64029884	0.032443002	6.232941628	0.001161711	0.001161711	5.80855E-06	0.008155481	0.001634756	0.011286107	0.032021359	5.80855E-06	26.56202698	2.10498E-05	0.000365526	0.000429855
2098 Sep	72.51792908	0.070763908	0.01522531	0.001120198	16.87176895	0.032108825	5.97877264	0.001120198	0.001120198	5.60099E-06	0.007887218	0.001560952	0.011007744	0.030327957	5.60099E-06	25.2413578	1.99653E-05	0.000346804	0.000402109
2098 Oct	69.38587189	0.070619084	0.014301719	0.001081619	16.19492531	0.031762145	5.763700962	0.001081619	0.001081619	5.40809E-06	0.007683388	0.001494022	0.010713372	0.028824663	5.40809E-06	24.06383705	1.91466E-05	0.000329767	0.000377621
2098 Nov	68.32361603	0.070602134	0.013985541	0.001068643	15.96594238	0.03165606	5.691236019	0.001068643	0.001068643	5.34321E-06	0.00761577	0.001471327	0.010615537	0.028312678	5.34321E-06	23.66351128	1.88693E-05	0.000323967	0.000369237
2098 Dec	68.3588028	0.070655063	0.013991229	0.001069249	15.97445869	0.031678282	5.694412231	0.001069249	0.001069249	5.34625E-06	0.007620471	0.001472088	0.010622034	0.028326156	5.34625E-06	23.67519951	1.88793E-05	0.000324122	0.000369387
2099 Jan	68.3744812	0.070674077	0.013994449	0.001069459	15.97829723	0.031685073	5.695790291	0.001069459	0.001069459	5.3473E-06	0.007622006	0.001472415	0.010624112	0.028332895	5.3473E-06	23.68080902	1.88829E-05	0.000324194	0.000369478
2099 Feb	68.39413452	0.070693314	0.013998924	0.001069703	15.98303604	0.031691808	5.697451591	0.001069703	0.001069703	5.34852E-06	0.007623681	0.001472822	0.010626379	0.028341681	5.34852E-06	23.68799591	1.88874E-05	0.000324288	0.000369606
2099 Mar	68.5368576	0.070840254	0.014028386	0.0010719	16.01646805	0.031756639	5.709354401	0.0010719	0.0010719	5.3595E-06	0.007639307	0.001475887	0.010648124	0.028401179	5.3595E-06	23.73763657	1.89262E-05	0.000324965	0.000370389
2099 Apr	69.29925537	0.071583629	0.014203499	0.001081161	16.20079231	0.032010581	5.773899555	0.001081161	0.001081161	5.40581E-06	0.007702705	0.001491658	0.010733682	0.028744148	5.40581E-06	24.01772499	1.90947E-05	0.000328615	0.000375401
2099 May	71.63767242	0.071520805	0.015287233	0.001048426	16.85055733	0.030010009	5.964686871	0.001048426	0.001048426	5.24213E-06	0.007397525	0.001524704	0.010202619	0.0304501	5.24213E-06	25.2458477	1.88636E-05	0.000341993	0.00041365
2099 Jun	70.2831192	0.068693988	0.015166413	0.001020592	16.49258995	0.028636072	5.823560238	0.001020592	0.001020592	5.10296E-06	0.007188519	0.001493463	0.009871745	0.029989526	5.10296E-06	24.81774521	1.86016E-05	0.000337045	0.000410368
2099 Jul	73.56596375	0.071509399	0.015852494	0.001076177	17.23906326	0.03021002	6.089431763	0.001076177	0.001076177	5.38088E-06	0.007566628	0.001567053	0.010396608	0.031353306	5.38088E-06	25.94573402	1.95515E-05	0.000352582	0.000427916
2099 Aug	76.5007019	0.074347943	0.016421668	0.00112591	17.93729973	0.031885624	6.337315083	0.00112591	0.00112591	5.62955E-06	0.007889074	0.001632427	0.010927527	0.032539204	5.62955E-06	26.95407104	2.02118E-05	0.000366225	0.000442194
2099 Sep	74.33190155	0.073320039	0.015790805	0.001104443	17.45929527	0.031846508	6.177360535	0.001104443	0.001104443	5.52221E-06	0.007737515	0.001588552	0.010819418	0.031465955	5.52221E-06	26.12693214	1.95303E-05	0.000354826	0.000423924
2099 Oct	72.24256897	0.073177993	0.015166194	0.001080845	16.99950218	0.031665437	6.031373024	0.001080845	0.001080845	5.40423E-06	0.00761835	0.001544468	0.010645512	0.030444864	5.40423E-06	25.32909012	1.90301E-05	0.000343498	0.000407025
2099 Nov	70.9987793	0.072920464	0.014810656	0.001066126	16.72299576	0.031493273	5.941974163	0.001066126	0.001066126	5.33063E-06	0.007538549	0.001518173	0.010530248	0.029849323	5.33063E-06	24.85985565	1.87279E-05	0.000336877	0.000397414
2099 Dec	71.03640747	0.072971553	0.014817332	0.001066739	16.73205757	0.031514596	5.945302486	0.001066739	0.001066739	5.3337E-06	0.007543182	0.001518981	0.010536673	0.029864253	5.3337E-06	24.87261581	1.87382E-05	0.000337046	0.000397592
2100 Jan	71.04283905	0.072980911	0.014818649	0.001066807	16.73372269	0.031517155	5.945906162	0.001066807	0.001066807	5.33404E-06	0.007543703	0.001519109	0.010537338	0.029867137	5.33404E-06	24.87500381	1.87393E-05	0.000337075	0.000397633
2100 Feb	71.0526886	0.07299006	0.014821117	0.001066898	16.73617363	0.031519379	5.946752071	0.001066898	0.001066898	5.33449E-06	0.007544289	0.001519306	0.010538092	0.029871861	5.33449E-06	24.87879753	1.8741E-05	0.000337123	0.000397707
2100 Mar	71.08557892	0.073023304	0.014828201	0.001067361	16.74399185	0.031532798	5.949516296	0.001067361	0.001067361	5.3368E-06	0.00754753	0.001520002	0.010542585	0.029886005	5.3368E-06	24.89050102	1.87492E-05	0.000337279	0.000397902
2100 Apr	71.57688904	0.073527701	0.014930816	0.00107472	16.85975647	0.031750061	5.990643024	0.00107472	0.00107472	5.3736E-06	0.007599551	0.001530503	0.010615228	0.030092744	5.3736E-06	25.06263924	1.88785E-05	0.00033961	0.000400658
2100 May	73.07778168	0.073742069	0.015469619	0.001077365	17.21515656	0.031287387	6.100390911	0.001077365	0.001077365	5.38683E-06	0.007595798	0.001557421	0.010560461	0.030951865	5.38683E-06	25.70845985	1.91338E-05	0.000348042	0.000417357
2100 Jun	69.00754547	0.066690944	0.014950085	0.001000638	16.17781258	0.027893927	5.70411253	0.001000638	0.001000638	5.00319E-06	0.007031042	0.001465699	0.009683247	0.029466884	5.00319E-06	24.37888527	1.82606E-05	0.000331691	0.000404043
2100 Jul	69.12748718	0.066162728	0.014949189	0.00101524	16.15032578	0.028188586	5.694998741	0.00101524	0.00101524	5.0762E-06	0.007131541	0.001472472	0.00982105	0.029429449	5.0762E-06	24.35514641	1.85515E-05	0.00033257	0.000401942
2100 Aug	68.2414856	0.065179422	0.014654448	0.001014689	15.95741653	0.028641907	5.631037712	0.001014689	0.001014689	5.07344E-06	0.007076708	0.001459844	0.009875799	0.028958313	5.07344E-06	24.00023079	1.81185E-05	0.000327351	0.000392295
2100 Sep	67.77514648	0.065142073	0.014453762	0.001015375	15.86850739	0.029052196	5.602693558	0.001015375	0.001015375	5.07688E-06	0.007064452	0.001452014	0.009961423	0.028659739	5.07688E-06	23.79671478	1.78667E-05	0.000324573	0.0003857
2100 Oct	67.69152832	0.065666653	0.0143797	0.001016362	15.85885525	0.029236792	5.604534149	0.001016362	0.001016362	5.08181E-06	0.007086036	0.001450372	0.009988655	0.028582398	5.08181E-06	23.74794006	1.78593E-05	0.000323747	0.000383691
2100 Nov	67.77495575	0.065884337	0.014384713	0.001018121	15.88064575	0.029322658	5.613420486	0.001018121	0.001018121	5.09061E-06	0.007101619	0.001452193	0.010009902	0.028608136	5.09061E-06	23.77282143	1.78846E-05	0.00032405	0.000383817
2100 Dec	67.83776855	0.065954044	0.014397237	0.001019097	15.89550304	0.029352985	5.618747234	0.001019097	0.001019097	5.09548E-06	0.007108633	0.001453541	0.010019742	0.028634043	5.09548E-06	23.79457092	1.79014E-05	0.000324344	0.000384151
2101 Jan	67.85449219	0.065972857	0.014400743	0.001019326	15.89955044	0.029360071	5.62019062	0.001019326	0.001019326	5.09663E-06	0.007110269	0.001453892	0.010021993	0.028641235	5.09663E-06	23.80054283	1.79054E-05	0.000324422	0.000384249
2101 Feb	67.86317444	0.065980822	0.014402888	0.001019411	15.90169239	0.029362198	5.620930672	0.001019411	0.001019411	5.09706E-06	0.007110825	0.001454067	0.010022722	0.028645346	5.09706E-06	23.80385208	1.7907E-05	0.000324464	0.000384313
2101 Mar	67.88853455	0.066005222	0.014408437	0.001019768	15.90769386	0.029372282	5.62304306	0.001019768	0.001019768	5.09884E-06	0.007113289	0.001454604	0.010026166	0.028656295	5.09884E-06	23.81289482	1.79133E-05	0.000324586	0.000384465
2101 Apr	68.17121887	0.066279396	0.014468864	0.00102395	15.97408581	0.029492268	5.646487236	0.00102395	0.00102395	5.11975E-06	0.007142405	0.001460645	0.010067127	0.028776255	5.11975E-06	23.9124279	1.79869E-05	0.000325938	0.000386087
2101 May	69.67908478	0.066747688	0.014987581	0.001027398	16.33577919	0.029115437	5.760632515	0.001027398	0.001027398	5.13699E-06	0.00715002	0.001487756	0.010025916	0.029624041	5.13699E-06	24.55425835	1.82464E-05	0.000334218	0.000402282
2101 Jun	68.15319061	0.063517325	0.014892923	0.000991079	15.93408585	0.027300481	5.600502014	0.000991079	0.000991079	4.95539E-06	0.0068869	0.001450874	0.009581058	0.029153453	4.95539E-06	24.09648323	1.79567E-05	0.000328852	0.000400753

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jul	71.80194855	0.066681623	0.015679359	0.001049084	16.76569939	0.028856302	5.893042564	0.001049084	0.001049084	5.24542E-06	0.007290226	0.001530133	0.01014081	0.030679392	5.24542E-06	25.36073494	1.90203E-05	0.000346577	0.000421115
2101 Aug	75.32761383	0.069923386	0.01642416	0.001103682	17.59204483	0.030471675	6.184680939	0.001103682	0.001103682	5.51841E-06	0.007657637	0.001606859	0.010681367	0.032163825	5.51841E-06	26.59560394	1.99092E-05	0.000363346	0.000440713
2101 Sep	73.86302185	0.06976451	0.015933935	0.001092521	17.28190804	0.030749114	6.085762024	0.001092521	0.001092521	5.46261E-06	0.00758455	0.001577896	0.010671142	0.03138686	5.46261E-06	26.01467323	1.94244E-05	0.000355189	0.000426379
2101 Oct	73.17344666	0.07021758	0.015681721	0.001086524	17.13859177	0.03087	6.0449543	0.001086524	0.001086524	5.43262E-06	0.007569685	0.001563489	0.010644915	0.031016393	5.43262E-06	25.73587036	1.927E-05	0.000351088	0.000419565
2101 Nov	71.41494751	0.070065498	0.015161025	0.001066254	16.75177383	0.030695304	5.921936989	0.001066254	0.001066254	5.33127E-06	0.007465548	0.001526364	0.010491137	0.03016334	5.33127E-06	25.0674324	1.88444E-05	0.000341561	0.000405542
2101 Dec	71.25920868	0.070189461	0.015102035	0.001064981	16.71975708	0.0307306	5.913033962	0.001064981	0.001064981	5.32491E-06	0.007463287	0.001523116	0.010486652	0.030078152	5.32491E-06	25.00375938	1.881E-05	0.000340619	0.000403948
2102 Jan	71.26531219	0.070199862	0.015103254	0.001065033	16.72141457	0.030732965	5.91364193	0.001065033	0.001065033	5.32517E-06	0.007463715	0.001523234	0.01048716	0.030080963	5.32517E-06	25.00608635	1.88108E-05	0.000340645	0.000403989
2102 Feb	71.28318787	0.070216514	0.015107593	0.001065221	16.72580147	0.030737767	5.915162563	0.001065221	0.001065221	5.3261E-06	0.007464953	0.001523596	0.010488803	0.030089315	5.3261E-06	25.01283836	1.88143E-05	0.000340732	0.000404117
2102 Mar	71.32832336	0.070260435	0.015117455	0.001065852	16.73649406	0.030755645	5.918928146	0.001065852	0.001065852	5.32926E-06	0.007469333	0.00152455	0.010494906	0.0301088	5.32926E-06	25.02893257	1.88255E-05	0.000340948	0.000404387
2102 Apr	71.55020905	0.070478693	0.015164652	0.001069142	16.78861427	0.030850407	5.937351227	0.001069142	0.001069142	5.34571E-06	0.00749237	0.001529287	0.010527244	0.030202711	5.34571E-06	25.10693932	1.88837E-05	0.000342008	0.000405653
2102 May	72.63009644	0.07154084	0.015393865	0.001085245	17.04203415	0.031314306	6.026950836	0.001085245	0.001085245	5.42622E-06	0.007605178	0.001552359	0.010685666	0.030658932	5.42622E-06	25.48608017	1.91684E-05	0.000347172	0.000411789
2102 Jun	65.1578064	0.061089594	0.013745169	0.001029791	14.98051929	0.028625628	5.289173603	0.001029791	0.001029791	5.14896E-06	0.007269896	0.001404825	0.010156466	0.027037332	5.14896E-06	22.52742195	1.8782E-05	0.000315028	0.000357132
2102 Jul	63.12989426	0.057381619	0.013265757	0.001031491	14.34709549	0.028202929	5.063537598	0.001031491	0.001031491	5.15746E-06	0.0072938	0.001370342	0.010167374	0.025941331	5.15746E-06	21.63877487	1.90211E-05	0.000306714	0.000338731
2102 Aug	64.81974792	0.058898091	0.013568268	0.001064554	14.74413395	0.029372124	5.205569267	0.001064554	0.001064554	5.32277E-06	0.007499714	0.001409931	0.01052657	0.026592938	5.32277E-06	22.20130157	1.93982E-05	0.000314399	0.000345637
2102 Sep	64.99944305	0.059693284	0.013520551	0.001071721	14.80822849	0.029897347	5.232975483	0.001071721	0.001071721	5.3586E-06	0.007547786	0.001414816	0.010649784	0.026597684	5.3586E-06	22.23744202	1.93565E-05	0.000314663	0.00034385
2102 Oct	62.40821075	0.059652083	0.012780986	0.001034621	14.26647949	0.029472202	5.060998917	0.001034621	0.001034621	5.17311E-06	0.007338466	0.001358348	0.010342197	0.025405362	5.17311E-06	21.29476357	1.85773E-05	0.000300433	0.000325143
2102 Nov	62.504879	0.05991286	0.012786344	0.001036629	14.29207706	0.029573059	5.071475983	0.001036629	0.001036629	5.18314E-06	0.007356427	0.001360447	0.010366638	0.025435213	5.18314E-06	21.32370377	1.86055E-05	0.000300777	0.000325287
2102 Dec	62.54063416	0.059955765	0.012792917	0.001037243	14.30043125	0.029592806	5.074512005	0.001037243	0.001037243	5.18621E-06	0.007360972	0.001361225	0.010372999	0.025449274	5.18621E-06	21.33569336	1.86162E-05	0.000300942	0.000325454
2103 Jan	62.55186462	0.059969164	0.012795219	0.001037396	14.30316257	0.029597702	5.075491428	0.001037396	0.001037396	5.18698E-06	0.007362093	0.00136146	0.010374522	0.025454072	5.18698E-06	21.33969116	1.86188E-05	0.000300995	0.000325519
2103 Feb	62.57886505	0.059994649	0.012801089	0.00103779	14.30947685	0.029608613	5.07771349	0.00103779	0.00103779	5.18895E-06	0.007364843	0.001362034	0.010378342	0.025465593	5.18895E-06	21.34922218	1.8626E-05	0.000301125	0.000325677
2103 Mar	62.63309097	0.060046423	0.012812373	0.00103866	14.32195282	0.02963325	5.082130432	0.00103866	0.00103866	5.1933E-06	0.007370991	0.001363207	0.010386976	0.02548795	5.1933E-06	21.36789703	1.86416E-05	0.000301386	0.000325969
2103 Apr	62.90554428	0.060307499	0.012868215	0.001043161	14.38429642	0.029761571	5.104247093	0.001043161	0.001043161	5.21581E-06	0.00740292	0.001369133	0.010431955	0.02559899	5.21581E-06	21.46094704	1.87225E-05	0.000302697	0.000327392
2103 May	64.69107819	0.06125227	0.013426664	0.001050897	14.82158279	0.029603045	5.246894836	0.001050897	0.001050897	5.25448E-06	0.007439068	0.001402407	0.010440381	0.026558461	5.25448E-06	22.20040894	1.90081E-05	0.000312048	0.000344766
2103 Jun	62.81179047	0.057010267	0.013452117	0.000985186	14.38081646	0.026632322	5.060860634	0.000985186	0.000985186	4.92593E-06	0.006943278	0.001352138	0.009633469	0.026193079	4.92593E-06	21.76452827	1.82928E-05	0.000305547	0.000349802
2103 Jul	63.40524673	0.056827996	0.013539568	0.00100916	14.46889973	0.0272929	5.095592022	0.00100916	0.00100916	5.0458E-06	0.007091823	0.00137163	0.009844799	0.026366789	5.0458E-06	21.90919113	1.86443E-05	0.000308169	0.000350085
2103 Aug	62.81832504	0.055544455	0.013303184	0.001020038	14.33922958	0.028188055	5.064630032	0.001020038	0.001020038	5.10019E-06	0.007072634	0.001374086	0.009901443	0.026088905	5.10019E-06	21.66926956	1.82182E-05	0.000302825	0.000342368
2103 Sep	61.88762283	0.056406964	0.012943547	0.001010682	14.1654768	0.028450208	5.016666889	0.001010682	0.001010682	5.05341E-06	0.007038532	0.001354053	0.009879418	0.025583025	5.05341E-06	21.29919434	1.79046E-05	0.000297109	0.000332812
2103 Oct	59.40558243	0.057353094	0.012147928	0.000978215	13.66100883	0.028356118	4.864093304	0.000978215	0.000978215	4.89108E-06	0.006887153	0.001299378	0.00965328	0.024366496	4.89108E-06	20.36324883	1.71973E-05	0.000282993	0.000312425
2103 Nov	58.8385849	0.05772832	0.011952464	0.000971199	13.54892445	0.028386537	4.831650257	0.000971199	0.000971199	4.85599E-06	0.006859064	0.00128687	0.009610055	0.024079144	4.85599E-06	20.14538765	1.70363E-05	0.000279659	0.000307418
2103 Dec	58.85909271	0.057760473	0.011955593	0.000971567	13.55388451	0.028400356	4.833516598	0.000971567	0.000971567	4.85784E-06	0.006861945	0.001287317	0.009614042	0.024086824	4.85784E-06	20.15210342	1.70423E-05	0.000279748	0.000307499
2104 Jan	58.86538696	0.057769734	0.011956892	0.000971631	13.55552673	0.028402798	4.834111214	0.000971631	0.000971631	4.85816E-06	0.006862437	0.001287442	0.009614668	0.024089666	4.85816E-06	20.15445709	1.70433E-05	0.000279776	0.00030754
2104 Feb	58.87789154	0.05778135	0.01195988	0.000971771	13.55857086	0.028406417	4.835169792	0.000971771	0.000971771	4.85885E-06	0.006863363	0.001287698	0.009615899	0.02409544	4.85885E-06	20.15913391	1.70459E-05	0.000279836	0.000307627
2104 Mar	58.93268204	0.057834763	0.011971251	0.000972638	13.57127762	0.028431544	4.839686871	0.000972638	0.000972638	4.86319E-06	0.006869463	0.001288887	0.009624409	0.024118217	4.86319E-06	20.17810631	1.70612E-05	0.000280097	0.000307925
2104 Apr	59.33822632	0.058232557	0.012053769	0.000979311	13.66471863	0.028626466	4.873001099	0.000979311	0.000979311	4.89656E-06	0.006916574	0.001297751	0.009690393	0.024284387	4.89656E-06	20.31708336	1.71783E-05	0.000282025	0.000310051
2104 May	61.66065979	0.059254464	0.01281709	0.000986041	14.23253727	0.028221626	5.05469799	0.000986041	0.000986041	4.9302E-06	0.006938835	0.001339733	0.009662805	0.025562624	4.9302E-06	21.29603767	1.7538E-05	0.000294522	0.000333909
2104 Jun	60.16736221	0.055786554	0.01283431	0.000935694	13.86928558	0.025857301	4.899815083	0.000935694	0.000935694	4.67847E-06	0.006564106	0.001299175	0.009061567	0.025237681	4.67847E-06	20.93180084	1.70431E-05	0.000289772	0.000337191
2104 Jul	61.94085312	0.056941662	0.013186076	0.000973063	14.24700451	0.026898904	5.035844803	0.000973063	0.000973063	4.86531E-06	0.006811617	0.00134205	0.00940854	0.025933752	4.86531E-06	21.50893784	1.76571E-05	0.000298112	0.000345123
2104 Aug	63.14146423	0.057944722	0.013381194	0.000999297	14.53335762	0.027916858	5.140073776	0.000999297	0.000999297	4.99648E-06	0.00696185	0.001372193	0.009691328	0.02638842	4.99648E-06	21.90377426	1.78664E-05	0.00030321	0.000349261
2104 Sep	61.84331512	0.057787921	0.012957875	0.000986904	14.26964188	0.028115714	5.054449081	0.000986904	0.000986904	4.93452E-06	0.006872765	0.001345712	0.009667164	0.025716679	4.93452E-06	21.40354156	1.73588E-05	0.000296031	0.0003371
2104 Oct	60.09053421	0.058584854	0.012376244	0.000965881	13.91083431	0.028137494	4.947477818	0.000965881	0.000965881	4.82941E-06	0.006784109	0.001307515	0.009530957	0.024835899	4.82941E-06	20.73005867	1.68917E-05	0.000285967	0.000321966
2104 Nov	59.71616364	0.058928899	0.01223671	0.000961888	13.83745575	0.028200595	4.927220821	0.000961888	0.000961888	4.80944E-06	0.00677275	0.001299352	0.009511702	0.024636932	4.80944E-06	20.58143806	1.67937E-05	0.000283698	0.000318335
2104 Dec	59.74369431	0.058964852	0.012241577	0.000962356	13.84399891	0.02821655	4.929623127	0.000962356	0.000962356	4.81178E-06	0.006776255	0.001299951	0.009516584	0.024647739	4.81178E-06	20.59068298	1.68016E-05	0.000283823	0.000318461
2105 Jan	59.74759674	0.058971252	0.01224238	0.000962388	13.84505367	0.028217964	4.930007458	0.000962388	0.000962388	4.81194E-06	0.006776517	0.001300026	0.009516897	0.024649549	4.81194E-06	20.59217644	1.68021E-05	0.00028384	0.000318488
2105 Feb	59.76076126	0.058983669	0.012245437	0.000962547	13.84823227	0.028222248	4.931117535	0.000962547	0.000962547	4.81273E-06	0.00677759	0.001300298	0.009518348	0.024655502	4.81273E-06	20.59702682	1.6805E-05	0.000283903	0.000318576
2105 Mar	59.7813797	0.059003707	0.012249859	0.00096285	13.8530798	0.02823093	4.932831764	0.00096285	0.00096285	4.81425E-06	0.006779699	0.00130074	0.009521279	0.024664296	4.81425E-06	20.60430527	1.68103E-05	0.000284001	0.000318695
2105 Apr	60.00702667	0.059226241	0.012296209	0.000966468	13.90540981	0.028336888	4.951459408	0.000966468	0.000966468	4.83234E-06	0.006805159	0.001305645	0.009557017	0.024757557	4.83234E-06	20.68217659	1.68735E-05	0.000285074	0.000319903
2105 May	61.77480316	0.05994438	0.012882154	0.000971652	14.33457375	0.028005613	5.088314056	0.000971652	0.000971652	4.85826E-06	0.006822665	0.001337622	0.009533677	0.025732208	4.85826E-06	21.42710686	1.71606E-05	0.000294643	0.000338162
2105 Jun	62.84811401	0.059535217	0.013355445	0.000967029	14.57792854	0.027208261	5.155676365	0.000967029	0.000967029	4.83514E-06	0.00677296	0.00135452	0.009403517	0.026416391	4.83514E-06	21.92355537	1.73634E-05	0.000301432	0.000353001
2105 Jul	64.76392365	0.060923886	0.01373244	0.00100513	15.00700569	0.028383031	5.312012672	0.00100513	0.00100513	5.02565E-06	0.007013051	0.001401306	0.009747463	0.027200444	5.02565E-06	22.56791496	1.78996E-05	0.000309978	0.000362125
2105 Aug	63.23973846	0.059180662	0.013291644	0.000997183	14.66894436	0.028715337	5.199166775	0.000997183	0.000997183	4.98592E-06	0.006888626	0.001377446	0.009714291	0.026469754	4.98592E-06	21.9913826	1.72314E-05	0.000301242	0.00034856
2105 Sep	60.71860504	0.058632519	0.012526093	0.000969838	14.13554955	0.028734684	5.023769855	0.000969838	0.000969838	4.84919E-06	0.006710185	0.001324718	0.009587937	0.025210464	4.84919E-06	21.03280258	1.63871E-05	0.000287737	0.000326961
2105 Oct	58.91125107	0.05916838	0.011953282	0.000947618	13.75480747	0.028631376	4.907223701	0.000947618	0.000947618	4.73809E-06	0.006613536	0.001285127	0.009431954	0.024315301	4.73809E-06	20.34195518	1.59432E-05	0.000277654	0.000311991
2105 Nov	58.26196289	0.059450917	0.011739609	0.000939898	13.61960506	0.028623942	4.866656303	0.000939898	0.000939898	4.69949E-06	0.006582884	0.001270897	0.009381025	0.023988003	4.69949E-06	20.09121323	1.57854E-05	0.000273971	0.000306406
2105 Dec	58.27323532	0.05947426	0.011740841	0.000940114	13.62244797	0.028633384	4.867769241	0.000940114	0.000940114	4.70057E-06	0.006584693	0.001271142	0.009383512	0.023991892	4.70057E-06	20.0947628	1.57887E-05	0.000274016	0.000306438
2106 Jan	58.27849579	0.05948247	0.011741935	0.000940161	13.62384605	0.028635286	4.868276596	0.000940161	0.000940161	4.70081E-06	0.006585069	0.001271244	0.009383966	0.023994312	4.70081E-06	20.0967598	1.57895E-05	0.00027404	0.000306474
2106 Feb	58.28643036	0.059489623	0.011743997	0.000940224	13.62584114	0.028636679	4.868961334	0.000940224	0.000940224	4.70112E-06	0.006585454	0.0012714	0.009384439	0.023998221	4.70112E-06	20.0998764	1.57907E-05	0.000274078	0.000306537
2106 Mar	58.31446838	0.059517726	0.011749901	0.00094064	13.6324749	0.02864909	4.871316433	0.00094064	0.00094064	4.7032E-06	0.006588343	0.001272002	0.009388517	0.02401012	4.7032E-06	20.10975647	1.57978E-05	0.00027421	0.000306697
2106 Apr	58.60413361	0.059813071	0.011808412	0.000945292	13.70023441	0.028790617	4.895519733	0.000945292	0.000945292	4.72646E-06	0.006620909	0.001278315	0.0094349	0.024129588	4.72646E-06	20.20976448	1.5876E-05	0.000275573	0.000308227
2106 May	60.03272629	0.060839456	0.012183693	0.000959798	14.03785324	0.029034633	5.009837151	0.000959798	0.000959798	4.79899E-06	0.006716277	0.001307017	0.009550714	0.024808725	4.79899E-06	20.75159073	1.62038E-05	0.0002828	0.000319086
2106 Jun	58.31312561	0.055872831	0.01219602	0.000918186	13.5199604	0.02638367	4.793319702	0.000918186	0.000918186	4.59093E-06	0.006421889	0.001263594	0.009014037	0.024300613	4.59093E-06	20.2313652	1.616E-05	0.00027854	0.000319563
2106 Jul	59.62498474	0.056183886	0.012435608	0.000956398	13.75251389	0.027346624	4.877691746	0.000956398	0.000956398	4.78199E-06	0.006678111	0.001298715	0.00937016	0.024742147	4.78199E-06	20.60347939	1.68337E-05	0.000284992	0.000323144
2106 Aug	58.84812546	0.054967795	0.012158686	0.000961095	13.58607006	0.028046671	4.827688694	0.000961095	0.000961095	4.80547E-06	0.006630893	0.001292933	0.009430681	0.024348238	4.80547E-06	20.29337883	1.63513E-05	0.000279497	0.000314065
2106 Sep	57.1763649	0.054709204	0.011614449	0.000944922	13.24919701	0.028313424	4.716620445	0.000944922	0.000944922	4.72461E-06	0.006509972	0.00125848	0.009412841	0.023477228	4.72461E-06	19.64980125	1.56666E-05	0.000270375	0.000298268
2106 Oct	56.78261948	0.055555377	0.011431128	0.00094141	13.18031693	0.028497204	4.701942444	0.00094141	0.00094141	4.70705E-06	0.006516732	0.001249539	0.00941031	0.023243006	4.70705E-06	19.48267365	1.5578E-05	0.000267714	0.000293591
2106 Nov	56.9392128	0.055735637	0.011460368	0.000944073	13.21716022	0.028584173	4.715303421	0.000944073	0.000944073	4.72036E-06	0.006535845	0.001252979	0.009437639	0.023305502	4.72036E-06	19.53569984	1.56214E-05	0.000268435	0.000294343
2106 Dec	56.96026993	0.0557626	0.011464068	0.000944437	13.2221632	0.02859671	4.717139721	0.000944437	0.000944437	4.72219E-06	0.00653853	0.001253441	0.009441453	0.023313742	4.72219E-06	19.54275894	1.56273E-05	0.00026853	0.000294438
2107 Jan	56.96609116	0.055770177	0.01146526	0.00094451	13.22362232	0.028599186	4.717664719	0.00094451	0.00094451	4.72255E-06	0.006539063	0.00125356	0.009442165	0.023316285	4.72255E-06	19.54487228	1.56285E-05	0.000268556	0.000294473
2107 Feb	56.98591995	0.055789206	0.011469523	0.000944798	13.2283144	0.028607627	4.719323158	0.000944798	0.000944798	4.72399E-06	0.006541031	0.001253986	0.00944496	0.023324788	4.72399E-06	19.55190468	1.56334E-05	0.00026865	0.000294589
2107 Mar	57.04732513	0.05584912	0.011482032	0.000945794	13.24261856	0.028637629	4.72441721	0.000945794	0.000945794	4.72897E-06	0.006547912	0.001255331	0.009454872	0.023350136	4.72897E-06	19.57310104	1.56499E-05	0.00026894	0.000294914
2107 Apr	57.18886948	0.05598757	0.011510607	0.000948129	13.27550316	0.028708212	4.736144543	0.000948129	0.000948129	4.74064E-06	0.006564063	0.001258442	0.009478177	0.023408193	4.74064E-06	19.62173653	1.56885E-05	0.000269608	0.000295649
2107 May	58.20294571	0.056432929	0.011847893	0.000950833	13.52066231	0.028495204	4.814362049	0.000950833	0.000950833	4.75417E-06	0.006575666	0.00127653	0.009460836	0.023967434	4.75417E-06	20.04875374	1.58682E-05	0.00027513	0.000306197
2107 Jun	59.46133041	0.055784862	0.012445697	0.000942164	13.79426003	0.02727717	4.886247635	0.000942164	0.000942164	4.71082E-06	0.006506516	0.00129459	0.009258262	0.024797533	4.71082E-06	20.64195633	1.61845E-05	0.000283567	0.00032504
2107 Jul	60.47964478	0.056154285	0.012621701	0.000969858	14.00610638	0.028174963	4.966956139	0.000969858	0.000969858	4.84929E-06	0.006666671	0.001323821	0.009494212	0.025190419	4.84929E-06	20.96090698	1.64983E-05	0.000287676	0.000328438
2107 Aug	62.47307205	0.057823725	0.013002918	0.001007507	14.46991825	0.029435592	5.134773254	0.001007507	0.001007507	5.03754E-06	0.006900503	0.001371288	0.009860438	0.026001612	5.03754E-06	21.63866234	1.69678E-05	0.000296551	0.000337791
2107 Sep	62.87826538	0.059225794	0.012988932	0.001017695	14.58475876	0.030027369	5.183628559	0.001017695	0.001017695	5.08847E-06	0.006991859	0.001380284	0.010000885	0.026095096	5.08847E-06	21.74703407	1.70706E-05	0.000297771	0.000337235
2107 Oct	61.8029213	0.059703447	0.012638273	0.001004301	14.36199379	0.02999088	5.116484165	0.001004301	0.001004301	5.0215E-06	0.006937567	0.001356417	0.009911465	0.025556246	5.0215E-06	21.33421898	1.68049E-05	0.000291708	0.000328135
2107 Nov	61.37212753	0.059912473	0.012496271	0.000998983	14.27306747	0.029981917	5.089839935	0.000998983	0.000998983	4.99491E-06	0.006916591	0.001346852	0.009876612	0.025339279	4.99491E-06	21.16835594	1.66987E-05	0.000289268	0.00032445
2107 Dec	61.39241409	0.059941061	0.012499645	0.000999336	14.27794266	0.029994639	5.091649055	0.000999336	0.000999336	4.99668E-06	0.006919262	0.001347296	0.009880356	0.02534711	4.99668E-06	21.17511177	1.67044E-05	0.000289358	0.000324537
2108 Jan	61.40325546	0.059954263	0.012501865	0.000999481	14.28060913	0.029999398	5.092607975	0.000999481	0.000999481	4.99741E-06	0.006920308	0.001347522	0.009881781	0.025351785	4.99741E-06	21.17900085	1.67069E-05	0.000289408	0.000324601
2108 Feb	61.41370392	0.059963945	0.012504361	0.000999597	14.28316116	0.030002464	5.093495846	0.000999597	0.000999597	4.99798E-06	0.006921067	0.001347737	0.009882805	0.025356621	4.99798E-06	21.18291664	1.67089E-05	0.000289458	0.000324674
2108 Mar	61.48834229	0.06003654	0.012519758	0.001000782	14.30058765	0.030037818	5.099698067	0.001000782	0.001000782	5.00391E-06	0.006929251	0.001349367	0.009894457	0.025387723	5.00391E-06	21.20883179	1.67288E-05	0.00028981	0.000325078
2108 Apr	62.07879639	0.060611784	0.012640891	0.001010258	14.43821621	0.03032125	5.148722649	0.001010258	0.001010258	5.05129E-06	0.006994762	0.001362288	0.00998785	0.025632802	5.05129E-06	21.41326714	1.68875E-05	0.000292595	0.000328243
2108 May	63.47167587	0.061917491	0.012943308	0.001030574	14.76584911	0.030898981	5.264309406	0.001030574	0.001030574	5.15287E-06	0.007133862	0.001392182	0.010182579	0.026231086	5.15287E-06	21.90709114	1.72404E-05	0.000299237	0.000336424

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 Jun	61.47372818	0.0575266	0.012671508	0.001011766	14.13547802	0.029267896	5.022202492	0.001011766	0.001011766	5.05883E-06	0.007032599	0.001349154	0.009954536	0.025315968	5.05883E-06	21.12407494	1.74984E-05	0.000292985	0.000325588
2108 Jul	64.11440277	0.059418086	0.013202523	0.001065538	14.69022274	0.030656101	5.218604088	0.001065538	0.001065538	5.32769E-06	0.007411225	0.001409923	0.010480794	0.026326565	5.32769E-06	21.97418213	1.85077E-05	0.000306056	0.0003374
2108 Aug	67.55419159	0.062578388	0.013883154	0.001125749	15.48462105	0.032523405	5.501776695	0.001125749	0.001125749	5.62874E-06	0.007815029	0.001487193	0.011090339	0.027715955	5.62874E-06	23.14380074	1.9432E-05	0.000322199	0.000354336
2108 Sep	67.77844238	0.063421994	0.013858254	0.00113244	15.55408192	0.032961044	5.531150818	0.00113244	0.00113244	5.6622E-06	0.007867891	0.001492493	0.011194755	0.027751846	5.6622E-06	23.19899178	1.94486E-05	0.000322772	0.000353376
2108 Oct	64.52038574	0.063473254	0.012931271	0.001085026	14.86763	0.032342464	5.311817646	0.001085026	0.001085026	5.42513E-06	0.007612838	0.001420041	0.010810577	0.026239857	5.42513E-06	22.00796127	1.85301E-05	0.000305185	0.000329858
2108 Nov	64.19905853	0.063773625	0.012814998	0.001081018	14.80575943	0.032373466	5.29461956	0.001081018	0.001081018	5.40509E-06	0.007599415	0.001412828	0.010787352	0.02607378	5.40509E-06	21.88326645	1.84411E-05	0.000303253	0.000326917
2108 Dec	64.22805023	0.063811101	0.012820055	0.001081526	14.8126173	0.032390788	5.297141075	0.001081526	0.001081526	5.40763E-06	0.007603191	0.001413464	0.010792654	0.026085056	5.40763E-06	21.8929348	1.84495E-05	0.000303384	0.000327046
2109 Jan	64.23575592	0.063821256	0.012821632	0.00108162	14.81455231	0.032394029	5.297838688	0.00108162	0.00108162	5.4081E-06	0.00760389	0.001413621	0.010793582	0.026088428	5.4081E-06	21.89573669	1.84511E-05	0.000303419	0.000327093
2109 Feb	64.2538681	0.063838638	0.012825637	0.001081868	14.81886292	0.032401048	5.299356937	0.001081868	0.001081868	5.40934E-06	0.007605585	0.001414005	0.010795929	0.026096344	5.40934E-06	21.90224457	1.84554E-05	0.000303505	0.000327204
2109 Mar	64.3385849	0.06392248	0.012842761	0.001083263	14.83847618	0.032442614	5.306357384	0.001083263	0.001083263	5.41632E-06	0.007615369	0.001415861	0.010809785	0.026131058	5.41632E-06	21.93130684	1.84793E-05	0.000303906	0.000327646
2109 Apr	64.75058746	0.064331494	0.01292521	0.001090169	14.93356705	0.03264923	5.340350628	0.001090169	0.001090169	5.45085E-06	0.007663894	0.00142492	0.010878633	0.026298692	5.45085E-06	22.07192802	1.85972E-05	0.000305852	0.000329754
2109 May	66.17805481	0.064866185	0.013418253	0.00109181	15.2836113	0.032267027	5.450758457	0.00109181	0.00109181	5.45905E-06	0.007659975	0.001449924	0.010828596	0.027109304	5.45905E-06	22.68712616	1.88068E-05	0.000313679	0.000345362
2109 Jun	67.95449066	0.064859211	0.014118853	0.001088946	15.70030308	0.031345289	5.574032784	0.001088946	0.001088946	5.44473E-06	0.007618907	0.001479223	0.010689345	0.028177837	5.44473E-06	23.47920799	1.91244E-05	0.000324243	0.000367382
2109 Jul	68.65576935	0.06483718	0.014221308	0.001113388	15.83798027	0.032189194	5.629863262	0.001113388	0.001113388	5.56694E-06	0.007747975	0.001503012	0.010884713	0.028439039	5.56694E-06	23.68574905	1.9333E-05	0.00032661	0.000368749
2109 Aug	69.60746765	0.065132387	0.014355731	0.001142074	16.05535889	0.033343758	5.716673374	0.001142074	0.001142074	5.71037E-06	0.007885473	0.001534036	0.011120688	0.028820217	5.71037E-06	23.9915123	1.94558E-05	0.000329534	0.000371232
2109 Sep	68.45094299	0.065437213	0.013978115	0.001128384	15.82062435	0.033381931	5.643570423	0.001128384	0.001128384	5.64192E-06	0.007815346	0.001508784	0.011053374	0.028232999	5.64192E-06	23.5486927	1.90918E-05	0.00032309	0.000361067
2109 Oct	64.75855255	0.065450355	0.012921887	0.001076307	15.03367233	0.032699142	5.390815735	0.001076307	0.001076307	5.38153E-06	0.007542231	0.001426512	0.01064642	0.026494779	5.38153E-06	22.18533516	1.81039E-05	0.000303375	0.000333831
2109 Nov	64.68074036	0.065748587	0.012874214	0.001075948	15.02267742	0.032778766	5.389835358	0.001075948	0.001075948	5.37974E-06	0.007548961	0.001424704	0.010653762	0.026440047	5.37974E-06	22.1487751	1.80866E-05	0.000302767	0.000332604
2109 Dec	64.71772003	0.065793872	0.012880917	0.001076583	15.03141022	0.032799937	5.393029213	0.001076583	0.001076583	5.38291E-06	0.007553599	0.001425516	0.010660265	0.026454695	5.38291E-06	22.16123581	1.8097E-05	0.000302935	0.000332778
2110 Jan	64.7353363	0.065813914	0.012884464	0.001076845	15.03563595	0.03280827	5.394548416	0.001076845	0.001076845	5.38422E-06	0.007555473	0.001425894	0.010662855	0.026462102	5.38422E-06	22.16741753	1.81014E-05	0.000303016	0.000332875
2110 Feb	64.75856018	0.065836847	0.01288944	0.00107718	15.04114056	0.032818116	5.396501064	0.00107718	0.00107718	5.3859E-06	0.007557787	0.001426392	0.010666069	0.026472084	5.3859E-06	22.1756649	1.81072E-05	0.000303126	0.000333011
2110 Mar	64.81929016	0.065898217	0.012901722	0.001078163	15.0553093	0.03284784	5.401571751	0.001078163	0.001078163	5.39081E-06	0.007564658	0.001427722	0.010675738	0.02649718	5.39081E-06	22.19662285	1.81238E-05	0.000303411	0.000333332
2110 Apr	65.06949615	0.066152371	0.012951634	0.001082309	15.11345673	0.032974031	5.422427177	0.001082309	0.001082309	5.41154E-06	0.007593733	0.001433229	0.010716755	0.026599614	5.41154E-06	22.28239441	1.81935E-05	0.000304582	0.000334624
2110 May	66.05908966	0.066843629	0.013216474	0.001091808	15.34791279	0.033116795	5.501428127	0.001091808	0.001091808	5.45904E-06	0.007655601	0.001452934	0.010790471	0.02707524	5.45904E-06	22.66074371	1.84154E-05	0.000309619	0.000342339
2110 Jun	64.19489288	0.061792161	0.013302917	0.001029044	14.85190773	0.029803576	5.284837246	0.001029044	0.001029044	5.14522E-06	0.007199372	0.001400635	0.010034297	0.026665736	5.14522E-06	22.19520187	1.80028E-05	0.000304904	0.000347397
2110 Jul	65.36764526	0.062205531	0.013517683	0.001060871	15.07581711	0.03066886	5.366920471	0.001060871	0.001060871	5.30435E-06	0.007406436	0.001431895	0.010325733	0.027085017	5.30435E-06	22.54461861	1.85158E-05	0.000310401	0.000351135
2110 Aug	60.92098236	0.057079688	0.012394956	0.001019115	14.0738802	0.030463006	5.025455475	0.001019115	0.001019115	5.09557E-06	0.006970439	0.001354161	0.009953166	0.025113381	5.09557E-06	20.93740463	1.67755E-05	0.000286175	0.000318553
2110 Sep	58.02183151	0.057097137	0.011526999	0.000981147	13.46964264	0.030207543	4.829344749	0.000981147	0.000981147	4.90573E-06	0.006757144	0.001289958	0.009725142	0.023696108	4.90573E-06	19.85229683	1.58769E-05	0.000270709	0.000295271
2110 Oct	55.54830933	0.058427125	0.010724227	0.000947559	12.96447849	0.030033041	4.677199364	0.000947559	0.000947559	4.7378E-06	0.006623389	0.001233416	0.009497342	0.022464477	4.7378E-06	18.91057777	1.52619E-05	0.000256851	0.000274824
2110 Nov	54.9617691	0.058602888	0.010545416	0.000939289	12.8421278	0.029950367	4.639128208	0.000939289	0.000939289	4.69645E-06	0.006585948	0.001220066	0.009436396	0.022180637	4.69645E-06	18.69080544	1.51138E-05	0.00025365	0.000270267
2110 Dec	54.98571777	0.058640286	0.010549029	0.000939724	12.8479414	0.029966926	4.641319275	0.000939724	0.000939724	4.69862E-06	0.006589304	0.001220592	0.009441097	0.022189602	4.69862E-06	18.69865036	1.51205E-05	0.000253754	0.000270359
2111 Jan	54.99477386	0.058652345	0.010550876	0.000939835	12.85022163	0.029970771	4.642142296	0.000939835	0.000939835	4.69917E-06	0.006590122	0.001220778	0.009442184	0.022193568	4.69917E-06	18.70194435	1.51224E-05	0.000253795	0.000270414
2111 Feb	55.00328445	0.058660198	0.010553026	0.00093991	12.85234928	0.029972618	4.642876148	0.00093991	0.00093991	4.69955E-06	0.0065906	0.001220948	0.009442795	0.022197686	4.69955E-06	18.70524406	1.51238E-05	0.000253835	0.00027048
2111 Mar	55.10481262	0.058767792	0.010572786	0.000941607	12.87614727	0.03002641	4.651454926	0.000941607	0.000941607	4.70803E-06	0.006602467	0.001223191	0.009459757	0.022239031	4.70803E-06	18.73999023	1.51512E-05	0.000254305	0.000270992
2111 Apr	55.49507904	0.059183616	0.01064783	0.000948254	12.96738338	0.030238185	4.684402466	0.000948254	0.000948254	4.74127E-06	0.006649057	0.001231848	0.009526486	0.022396749	4.74127E-06	18.87283897	1.52582E-05	0.000256106	0.000272918
2111 May	57.15296936	0.060161058	0.01112694	0.000960814	13.36071396	0.030289935	4.814243317	0.000960814	0.000960814	4.80407E-06	0.00672724	0.001263818	0.00960583	0.023228403	4.80407E-06	19.52550888	1.56117E-05	0.000264778	0.000287162
2111 Jun	58.5015831	0.058357969	0.011927456	0.00093935	13.64268875	0.028186545	4.872725487	0.00093935	0.00093935	4.69675E-06	0.006552941	0.001279112	0.00923249	0.02424827	4.69675E-06	20.23048401	1.59085E-05	0.000275161	0.000312565
2111 Jul	61.45993423	0.060921147	0.012519514	0.000993509	14.30467224	0.02974508	5.109777451	0.000993509	0.000993509	4.96754E-06	0.006926028	0.001346366	0.009756593	0.02543585	4.96754E-06	21.22241592	1.68316E-05	0.000289162	0.000327047
2111 Aug	59.5376091	0.058435526	0.011997779	0.000981811	13.87159252	0.030007841	4.963249207	0.000981811	0.000981811	4.90905E-06	0.006753565	0.001316207	0.009676275	0.024546357	4.90905E-06	20.50825119	1.60013E-05	0.000278313	0.000311066
2111 Sep	58.85496902	0.058370993	0.011734424	0.000978803	13.7433033	0.030398723	4.92023325	0.000978803	0.000978803	4.89402E-06	0.006714466	0.001302951	0.0097546	0.024138916	4.89402E-06	20.22738457	1.56362E-05	0.000274513	0.000302704
2111 Oct	56.86018753	0.058667541	0.011145988	0.000951165	13.31694031	0.03005328	4.78546524	0.000951165	0.000951165	4.75582E-06	0.006585205	0.001258024	0.009541114	0.023182809	4.75582E-06	19.48091316	1.51588E-05	0.000263801	0.000287562
2111 Nov	55.71847916	0.059049953	0.010791368	0.000935864	13.07660007	0.029919596	4.711322308	0.000935864	0.000935864	4.67932E-06	0.006520415	0.001232238	0.009429878	0.022622686	4.67932E-06	19.04798126	1.48905E-05	0.000257539	0.000278439
2111 Dec	55.7339325	0.059113521	0.010790404	0.000936238	13.0810461	0.029942103	4.713292599	0.000936238	0.000936238	4.68119E-06	0.006524263	0.001232564	0.009434924	0.022626098	4.68119E-06	19.05200005	1.48957E-05	0.000257582	0.000278415
2112 Jan	55.74315643	0.059126154	0.010792303	0.000936344	13.08339214	0.029945845	4.714140415	0.000936344	0.000936344	4.68172E-06	0.006525056	0.00123275	0.009435958	0.022630185	4.68172E-06	19.05539131	1.48975E-05	0.000257623	0.000278473
2112 Feb	55.76417542	0.059147038	0.010796969	0.000936616	13.08848	0.029953893	4.715934753	0.000936616	0.000936616	4.68308E-06	0.006526896	0.001233193	0.009438529	0.022639506	4.68308E-06	19.06303787	1.49021E-05	0.000257722	0.000278605
2112 Mar	55.88496017	0.05927439	0.01082068	0.000938602	13.11691475	0.030017015	4.726159096	0.000938602	0.000938602	4.69301E-06	0.006540698	0.001235852	0.009458436	0.022688972	4.69301E-06	19.10458183	1.49338E-05	0.000258282	0.000279223
2112 Apr	56.22718811	0.059636943	0.010887126	0.000944325	13.19728661	0.030199841	4.755106449	0.000944325	0.000944325	4.72162E-06	0.006580562	0.001243414	0.009516056	0.022828154	4.72162E-06	19.22171402	1.50249E-05	0.000259864	0.000280941
2112 May	58.12227631	0.060480215	0.011489389	0.000953585	13.64686108	0.029967042	4.899537563	0.000953585	0.000953585	4.76792E-06	0.006632128	0.001278384	0.009537525	0.023832584	4.76792E-06	19.99621582	1.5408E-05	0.000270132	0.000299262
2112 Jun	56.02313995	0.054395922	0.011636458	0.000881738	13.06257915	0.025947539	4.643601418	0.000881738	0.000881738	4.40869E-06	0.006120631	0.001218761	0.008642386	0.023395959	4.40869E-06	19.47489548	1.50828E-05	0.000265369	0.000306293
2112 Jul	56.29938507	0.053693306	0.011665474	0.000903641	13.0462656	0.026369417	4.638122082	0.000903641	0.000903641	4.5182E-06	0.006271928	0.001230486	0.008846064	0.023392923	4.5182E-06	19.48046494	1.55328E-05	0.000267196	0.000304148
2112 Aug	58.2651062	0.055554561	0.012028974	0.000939738	13.51114273	0.027623849	4.804200649	0.000939738	0.000939738	4.69869E-06	0.006501941	0.00127549	0.009234423	0.024167184	4.69869E-06	20.14408875	1.59764E-05	0.000276201	0.000312864
2112 Sep	58.15070724	0.056020353	0.011915664	0.000943102	13.50569916	0.028050855	4.806168079	0.000943102	0.000943102	4.71551E-06	0.006520968	0.00127408	0.009330368	0.024037857	4.71551E-06	20.07333755	1.58508E-05	0.000275131	0.00030912
2112 Oct	57.58069992	0.056514896	0.011708713	0.000936687	13.3920517	0.028111624	4.774197102	0.000936687	0.000936687	4.68343E-06	0.006502756	0.00126144	0.009295867	0.023737667	4.68343E-06	19.84799957	1.57132E-05	0.000271747	0.000303756
2112 Nov	57.59098816	0.056729402	0.011693149	0.000937408	13.3981142	0.028182402	4.778015614	0.000937408	0.000937408	4.68704E-06	0.006512871	0.001261636	0.009308683	0.023729265	4.68704E-06	19.84594917	1.57195E-05	0.000271661	0.000303353
2112 Dec	57.62496948	0.056770366	0.011699402	0.000937981	13.40615368	0.02820144	4.780943394	0.000937981	0.000937981	4.68991E-06	0.006517041	0.001262379	0.009314585	0.023742801	4.68991E-06	19.8574543	1.57289E-05	0.000271816	0.000303515
2113 Jan	57.63050461	0.056778006	0.011700539	0.000938044	13.40756607	0.028203689	4.781453609	0.000938044	0.000938044	4.69022E-06	0.006517516	0.001262491	0.009315203	0.023745257	4.69022E-06	19.85949135	1.573E-05	0.000271841	0.00030355
2113 Feb	57.6482811	0.056795038	0.011704464	0.000938287	13.41180611	0.028210653	4.782946587	0.000938287	0.000938287	4.69144E-06	0.006519169	0.001262868	0.009317514	0.02375303	4.69144E-06	19.86588287	1.57341E-05	0.000271926	0.000303658
2113 Mar	57.83576584	0.056979481	0.011742703	0.000941314	13.45548058	0.028301453	4.798511505	0.000941314	0.000941314	4.70657E-06	0.006540176	0.001266969	0.009347509	0.023830526	4.70657E-06	19.93063927	1.57849E-05	0.00027281	0.000304654
2113 Apr	58.18439865	0.057322804	0.011813588	0.000946973	13.53662395	0.028471509	4.827443123	0.000946973	0.000946973	4.73487E-06	0.006579488	0.001274602	0.009403679	0.023974316	4.73487E-06	20.05086517	1.58799E-05	0.000274455	0.000306495
2113 May	59.82757568	0.058281384	0.01229795	0.000958103	13.92878246	0.028467679	4.956559181	0.000958103	0.000958103	4.79051E-06	0.006647634	0.001305943	0.009464419	0.024812071	4.79051E-06	20.70524216	1.62172E-05	0.000283067	0.000321072
2113 Jun	60.24998474	0.056602448	0.012743162	0.00093549	14.00220394	0.026770368	4.955076218	0.00093549	0.00093549	4.67745E-06	0.006478251	0.001305564	0.009120878	0.025305016	4.67745E-06	21.01317978	1.63156E-05	0.000287763	0.00033587
2113 Jul	62.09233856	0.057799131	0.013097524	0.000974854	14.40756798	0.027989367	5.103678226	0.000974854	0.000974854	4.87427E-06	0.006722475	0.001351952	0.009473827	0.026047094	4.87427E-06	21.62277603	1.68512E-05	0.000295888	0.000344081
2113 Aug	63.55137253	0.058928326	0.013356796	0.001005458	14.74919987	0.029098492	5.22901535	0.001005458	0.001005458	5.02729E-06	0.006900371	0.001388756	0.009772213	0.026629936	5.02729E-06	22.11199951	1.71479E-05	0.000302049	0.000350101
2113 Sep	62.54526901	0.059253421	0.013001591	0.000996299	14.54619408	0.02929787	5.166705132	0.000996299	0.000996299	4.9815E-06	0.006854369	0.001367619	0.009759044	0.026088571	4.9815E-06	21.71260452	1.68178E-05	0.000296324	0.000340109
2113 Oct	59.16635132	0.059671678	0.011982002	0.000952995	13.82359886	0.028904786	4.93954277	0.000952995	0.000952995	4.76497E-06	0.006647913	0.001293344	0.009439577	0.024447335	4.76497E-06	20.43614769	1.59807E-05	0.000277944	0.000313393
2113 Nov	58.59010696	0.060323354	0.01175726	0.000947297	13.71050739	0.029028511	4.909133911	0.000947297	0.000947297	4.73648E-06	0.006638975	0.001280615	0.009418407	0.024130264	4.73648E-06	20.20186996	1.58494E-05	0.000274429	0.000307499
2113 Dec	58.62610245	0.060373217	0.011763362	0.000947916	13.71915436	0.029050551	4.912333965	0.000947916	0.000947916	4.73958E-06	0.006643633	0.0012814	0.009424928	0.02414427	4.73958E-06	20.21391678	1.58594E-05	0.000274589	0.000307659
2114 Jan	58.6378479	0.060387973	0.011765759	0.000948069	13.72206211	0.029055675	4.9133811	0.000948069	0.000948069	4.74034E-06	0.00664475	0.001281644	0.009426439	0.024149351	4.74034E-06	20.21814156	1.58619E-05	0.000274643	0.000307728
2114 Feb	58.64826202	0.060397729	0.011768303	0.000948174	13.72463512	0.029058391	4.914273739	0.000948174	0.000948174	4.74087E-06	0.006645434	0.001281855	0.009427339	0.024154264	4.74087E-06	20.22210312	1.58639E-05	0.000274693	0.000307804
2114 Mar	58.74922943	0.060501173	0.011788812	0.000949771	13.74833679	0.029107081	4.922744751	0.000949771	0.000949771	4.74886E-06	0.006656603	0.001284053	0.009443146	0.024196187	4.74886E-06	20.25711823	1.58907E-05	0.000275166	0.000308345
2114 Apr	59.00156021	0.060760722	0.011839587	0.000953831	13.80742931	0.029231332	4.943894863	0.000953831	0.000953831	4.76915E-06	0.006685039	0.001289562	0.009483462	0.024300307	4.76915E-06	20.34424019	1.59586E-05	0.000276348	0.000309676
2114 May	60.27864838	0.060952906	0.012318838	0.000952895	14.11439037	0.028697174	5.037194729	0.000952895	0.000952895	4.76447E-06	0.006662633	0.001311115	0.009403285	0.025053982	4.76447E-06	20.90817451	1.61575E-05	0.000283688	0.000324821
2114 Jun	62.44039917	0.061216131	0.013066977	0.000962986	14.59727383	0.02814235	5.185204029	0.000962986	0.000962986	4.81493E-06	0.006716916	0.001350482	0.00940375	0.026219396	4.81493E-06	21.79376984	1.67103E-05	0.000296189	0.000346955
2114 Jul	65.70690918	0.064039379	0.013730585	0.001020549	15.34130573	0.029845582	5.452067375	0.001020549	0.001020549	5.10275E-06	0.00710309	0.001424997	0.009948993	0.027563836	5.10275E-06	22.90853691	1.76386E-05	0.000311397	0.000363715
2114 Aug	69.39322662	0.067535073	0.014473841	0.001081685	16.20466614	0.031757776	5.760528088	0.001081685	0.001081685	5.40843E-06	0.007511683	0.00150723	0.010553551	0.029089386	5.40843E-06	24.18276978	1.8572E-05	0.000328522	0.000382931
2114 Sep	67.58782196	0.067272812	0.013909666	0.001063408	15.82112885	0.031834457	5.635708332	0.001063408	0.001063408	5.31704E-06	0.007398373	0.001469629	0.010480545	0.028170072	5.31704E-06	23.48653793	1.79953E-05	0.000318787	0.000366899
2114 Oct	65.35795593	0.067375705	0.013243125	0.001035718	15.33843803	0.031572908	5.482946873	0.001035718	0.001035718	5.17859E-06	0.007263837	0.001421117	0.010275229	0.027086627	5.17859E-06	22.64197159	1.74543E-05	0.000306728	0.000349247
2114 Nov	63.45336914	0.067303807	0.012688103	0.001011559	14.9234581	0.031295251	5.350187778	0.001011559	0.001011559	5.05779E-06	0.00714139	0.001379683	0.010090201	0.026171833	5.05779E-06	21.9254055	1.69886E-05	0.000296534	0.000334551
2114 Dec	63.41264343	0.067342952	0.012672598	0.001011171	14.91527271	0.03130313	5.347930431	0.001011171	0.001011171	5.05586E-06	0.007140692	0.001378796	0.010088706	0.026149573	5.05586E-06	21.90886307	1.69796E-05	0.000296289	0.000334139
2115 Jan	63.42763519	0.067361824	0.012675651	0.001011367	14.91898346	0.031309694	5.349267006	0.001011367	0.001011367	5.05684E-06	0.007142124	0.001379108	0.010090644	0.026156051	5.05684E-06	21.91425133	1.69829E-05	0.000296358	0.000334228
2115 Feb	63.44810867	0.067382105	0.012680306	0.001011618	14.92395401	0.031316821	5.351013184	0.001011618	0.001011618	5.05809E-06	0.007143828	0.001379533	0.010092966	0.026165251	5.05809E-06	21.921772	1.69873E-05	0.000296455	0.000334361
2115 Mar	63.50606537	0.067442849	0.012692198	0.001012501	14.93767262	0.031343795	5.355911732	0.001012501	0.001012501	5.0625E-06	0.007150024	0.001380783	0.010101675	0.026189568	5.0625E-06	21.94203949	1.70022E-05	0.000296727	0.000334681
2115 Apr	63.87926483	0.067838736	0.012766962	0.001018427	15.02550507	0.031527057	5.387392998	0.001018427	0.001018427	5.09214E-06	0.007191854	0.001388891	0.010160747	0.026343714	5.09214E-06	22.07112694	1.71018E-05	0.000298471	0.000336656

Appendix D.2-3: B6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 May	65.10461426	0.067870341	0.013239955	0.001017181	15.31672764	0.030964464	5.474580288	0.001017181	0.001017181	5.08591E-06	0.007164556	0.001409617	0.01007528	0.027076101	5.08591E-06	22.6159668	1.7294E-05	0.000305613	0.000351525
2115 Jun	68.17009735	0.069625027	0.014097364	0.001045767	16.02869797	0.031232735	5.710848331	0.001045767	0.001045767	5.22883E-06	0.007348381	0.001470326	0.010281998	0.028567569	5.22883E-06	23.79331779	1.80309E-05	0.00032162	0.000376306
2115 Jul	71.05230713	0.072112307	0.014663674	0.001098478	16.6953392	0.032925814	5.953637123	0.001098478	0.001098478	5.49239E-06	0.007685508	0.001538565	0.010766357	0.029764991	5.49239E-06	24.78088951	1.87633E-05	0.000334411	0.00039072
2115 Aug	68.46092224	0.068978317	0.014003769	0.001076741	16.09756279	0.032834865	5.747225761	0.001076741	0.001076741	5.3837E-06	0.007452511	0.001493027	0.01059807	0.028577391	5.3837E-06	23.82408333	1.78171E-05	0.000320689	0.000370822
2115 Sep	67.93975067	0.068788357	0.013793868	0.001076629	15.99695301	0.033231344	5.712776661	0.001076629	0.001076629	5.38314E-06	0.007428997	0.001483791	0.010690484	0.028249349	5.38314E-06	23.60122681	1.75238E-05	0.000317792	0.00036377
2115 Oct	67.50101471	0.069148354	0.013633727	0.001072197	15.90651989	0.033281561	5.687063217	0.001072197	0.001072197	5.36099E-06	0.007419585	0.001474135	0.010669244	0.028013477	5.36099E-06	23.42440987	1.74347E-05	0.000315225	0.000359522
2115 Nov	66.44579315	0.069300488	0.013311632	0.001059301	15.67759132	0.03316734	5.615299225	0.001059301	0.001059301	5.29651E-06	0.007362725	0.001450977	0.010575741	0.027493605	5.29651E-06	23.02079964	1.71992E-05	0.000309507	0.000350991
2115 Dec	66.42338562	0.069368243	0.013299091	0.00105923	15.67376423	0.033186164	5.614672184	0.00105923	0.00105923	5.29615E-06	0.007364612	0.00145048	0.010577591	0.027478278	5.29615E-06	23.01027489	1.71961E-05	0.000309345	0.000350657
2116 Jan	66.43877411	0.069387764	0.01330223	0.001059427	15.67759037	0.033192858	5.616050243	0.001059427	0.001059427	5.29714E-06	0.007366053	0.001450798	0.010579542	0.027484953	5.29714E-06	23.01582527	1.71994E-05	0.000309415	0.000350749
2116 Feb	66.47608948	0.069425277	0.01331033	0.001059938	15.68656445	0.033208109	5.619225025	0.001059938	0.001059938	5.29969E-06	0.007369533	0.001451591	0.010584437	0.027501229	5.29969E-06	23.02924538	1.7208E-05	0.00030959	0.000350974
2116 Mar	66.54131317	0.069492593	0.013323731	0.001060931	15.70204449	0.033238847	5.62474966	0.001060931	0.001060931	5.30466E-06	0.007376407	0.001453002	0.010594254	0.027528668	5.30466E-06	23.05210686	1.72242E-05	0.000309895	0.000351334
2116 Apr	66.90567017	0.069872655	0.013396878	0.001066715	15.7880764	0.033419821	5.655555248	0.001066715	0.001066715	5.33358E-06	0.007416598	0.001460952	0.010651946	0.027679661	5.33358E-06	23.17848396	1.73182E-05	0.000311593	0.000353267
2116 May	68.24421692	0.070320696	0.013845121	0.001071518	16.10373688	0.033139117	5.755189419	0.001071518	0.001071518	5.35759E-06	0.007439413	0.001485152	0.010641448	0.028409619	5.35759E-06	23.73570824	1.7587E-05	0.000319006	0.000366994
2116 Jun	65.17976379	0.063803829	0.013696684	0.000992745	15.30070305	0.029198736	5.429540157	0.000992745	0.000992745	4.96372E-06	0.006879424	0.001407723	0.009702842	0.027491119	4.96372E-06	22.83707047	1.69983E-05	0.000308841	0.000365455
2116 Jul	68.17276764	0.066204667	0.014311276	0.001048086	15.95465469	0.030672029	5.661040306	0.001048086	0.001048086	5.24043E-06	0.007267647	0.001475026	0.010242816	0.028679986	5.24043E-06	23.83149147	1.80182E-05	0.000323462	0.00038014
2116 Aug	71.07077789	0.069007501	0.01488236	0.001096611	16.63962364	0.032255553	5.904713631	0.001096611	0.001096611	5.48306E-06	0.007587839	0.001539411	0.010747264	0.029861035	5.48306E-06	24.82919502	1.87091E-05	0.000336963	0.000394651
2116 Sep	68.48748016	0.068530567	0.01412214	0.001066978	16.07637978	0.032045566	5.72137785	0.001066978	0.001066978	5.33489E-06	0.007418616	0.001484658	0.010555861	0.028596517	5.33489E-06	23.84907341	1.79986E-05	0.000323224	0.000373709
2116 Oct	65.61477661	0.06906154	0.013222853	0.001033552	15.45806885	0.031871904	5.529812336	0.001033552	0.001033552	5.16776E-06	0.007272034	0.001422533	0.010322629	0.027168017	5.16776E-06	22.74401474	1.73311E-05	0.000307388	0.000349783
2116 Nov	65.51263428	0.069469571	0.013155803	0.001033658	15.44248295	0.03199948	5.528533936	0.001033658	0.001033658	5.16829E-06	0.00728563	0.001420341	0.010338279	0.027091051	5.16829E-06	22.69275665	1.73173E-05	0.000306564	0.000347989
2116 Dec	65.52210999	0.069488078	0.013156944	0.001033836	15.44485664	0.032007016	5.529454231	0.001033836	0.001033836	5.16918E-06	0.007287093	0.001420547	0.010340296	0.027094403	5.16918E-06	22.69578171	1.73201E-05	0.000306603	0.000348019
2117 Jan	65.52731323	0.069495715	0.013158021	0.001033889	15.44620991	0.032009009	5.52994442	0.001033889	0.001033889	5.16944E-06	0.007287501	0.00142065	0.010340809	0.027096756	5.16944E-06	22.6977272	1.73209E-05	0.000306626	0.000348053
2117 Feb	65.53404236	0.069501817	0.013159765	0.001033942	15.44790363	0.032010213	5.530525684	0.001033942	0.001033942	5.16971E-06	0.00728783	0.001420783	0.010341216	0.027100068	5.16971E-06	22.70036697	1.7322E-05	0.000306659	0.000348107
2117 Mar	65.61335754	0.069585375	0.013175908	0.001035165	15.46665955	0.032047816	5.537226677	0.001035165	0.001035165	5.17582E-06	0.007296422	0.001422495	0.010353374	0.027133157	5.17582E-06	22.72801018	1.73425E-05	0.00030703	0.000348538
2117 Apr	66.0792923	0.070079185	0.013269596	0.001042499	15.57652473	0.032274738	5.576551914	0.001042499	0.001042499	5.2125E-06	0.007348104	0.001432592	0.010426689	0.027326001	5.2125E-06	22.88950348	1.74654E-05	0.000309211	0.000351019
2117 May	67.54265594	0.070780359	0.013714299	0.001052074	15.92202854	0.032218225	5.689012527	0.001052074	0.001052074	5.26037E-06	0.007403562	0.001460515	0.010472478	0.028080767	5.26037E-06	23.47565269	1.77707E-05	0.000316992	0.000364335
2117 Jun	68.93331909	0.070172809	0.014298106	0.001052037	16.21847725	0.031360947	5.771106243	0.001052037	0.001052037	5.26019E-06	0.007383887	0.001484068	0.010370433	0.028914969	5.26019E-06	24.08535194	1.81371E-05	0.000325812	0.000381862
2117 Jul	71.97113037	0.072838329	0.014903915	0.001106302	16.91705513	0.033041172	6.023526669	0.001106302	0.001106302	5.53151E-06	0.007740647	0.001554428	0.010879443	0.030169779	5.53151E-06	25.12434769	1.8953E-05	0.000339641	0.000397243
2117 Aug	73.47664642	0.074165359	0.015167499	0.001136569	17.27492332	0.034160983	6.153712749	0.001136569	0.001136569	5.68284E-06	0.00792122	0.001591095	0.011192502	0.030762305	5.68284E-06	25.62946892	1.92503E-05	0.000346143	0.000403386
2117 Sep	73.82790375	0.075126387	0.015167429	0.001145769	17.37117767	0.034662485	6.192828178	0.001145769	0.001145769	5.72884E-06	0.007993089	0.001599273	0.011320278	0.03084714	5.72884E-06	25.72550774	1.93195E-05	0.000347331	0.00040301
2117 Oct	72.13829803	0.075167976	0.014660456	0.001125578	17.00217247	0.034480732	6.075985909	0.001125578	0.001125578	5.62789E-06	0.007896567	0.001562774	0.011172283	0.030020645	5.62789E-06	25.08150673	1.89249E-05	0.000338209	0.000389456
2117 Nov	71.6749649	0.07518547	0.014520879	0.001120061	16.90108109	0.034433004	6.044030666	0.001120061	0.001120061	5.60031E-06	0.007870397	0.001552766	0.011132083	0.029793583	5.60031E-06	24.90471268	1.88168E-05	0.000335704	0.000385725
2117 Dec	71.67932892	0.075221695	0.014518891	0.001120238	16.90262413	0.03444609	6.044846058	0.001120238	0.001120238	5.60119E-06	0.00787243	0.001552862	0.011134758	0.029793233	5.60119E-06	24.90523911	1.88188E-05	0.000335703	0.00038567
2118 Jan	71.69100952	0.075237043	0.014521284	0.00112038	16.90555573	0.034450989	6.045903206	0.00112038	0.00112038	5.6019E-06	0.007873482	0.001553101	0.011136157	0.029798346	5.6019E-06	24.90948486	1.88212E-05	0.000335756	0.000385741
2118 Feb	71.70822906	0.075253755	0.014525319	0.001120576	16.90977097	0.03445638	6.047376156	0.001120576	0.001120576	5.60288E-06	0.007874792	0.001553455	0.011137926	0.029806243	5.60288E-06	24.91590309	1.88247E-05	0.000335838	0.000385859
2118 Mar	71.75383759	0.075300872	0.014534854	0.001121249	16.92060661	0.034476716	6.051232815	0.001121249	0.001121249	5.60624E-06	0.007879482	0.001554433	0.011144514	0.029825602	5.60624E-06	24.93198776	1.88361E-05	0.000336053	0.000386118
2118 Apr	72.21763611	0.075739704	0.014647874	0.001125923	17.03530693	0.034598392	6.091042995	0.001125923	0.001125923	5.62962E-06	0.007910018	0.001563816	0.011184737	0.030044174	5.62962E-06	25.10832214	1.89212E-05	0.000338275	0.000389484
2118 May	72.99985504	0.074614279	0.015170368	0.001104057	17.22926712	0.033099987	6.133383274	0.001104057	0.001104057	5.52029E-06	0.007726627	0.001571095	0.010847647	0.03073919	5.52029E-06	25.57893753	1.88916E-05	0.000344126	0.000407322
2118 Jun	70.27134705	0.069001779	0.015005764	0.001034895	16.53574562	0.02982823	5.853979588	0.001034895	0.001034895	5.17447E-06	0.007218335	0.001503658	0.010032116	0.029919444	5.17447E-06	24.78340912	1.82286E-05	0.000334476	0.000405216
2118 Jul	74.42893219	0.072763853	0.015877655	0.001102406	17.4927845	0.031761207	6.194223881	0.001102406	0.001102406	5.51203E-06	0.007681303	0.001595434	0.010677793	0.031657293	5.51203E-06	26.22317123	1.93879E-05	0.000354182	0.000427902
2118 Aug	73.65148163	0.071859598	0.015598821	0.001104409	17.32518387	0.032312468	6.138387203	0.001104409	0.001104409	5.52204E-06	0.00764149	0.001585176	0.010771578	0.031217165	5.52204E-06	25.90062523	1.89746E-05	0.000349549	0.000418411
2118 Sep	69.18196106	0.070181087	0.014342594	0.001053357	16.32826614	0.031757697	5.807389736	0.001053357	0.001053357	5.26679E-06	0.007330907	0.001491338	0.010420652	0.029060548	5.26679E-06	24.2141304	1.77735E-05	0.000326301	0.000383351
2118 Oct	66.02779388	0.069991015	0.013411439	0.001016355	15.63064194	0.03137869	5.584878922	0.001016355	0.001016355	5.08178E-06	0.007149791	0.001423784	0.010141752	0.027524479	5.08178E-06	23.01202202	1.70563E-05	0.000309395	0.000358283
2118 Nov	65.40053558	0.070069902	0.013215516	0.001009424	15.49372482	0.031344764	5.542268276	0.001009424	0.001009424	5.04712E-06	0.00711971	0.001410367	0.010093895	0.027210822	5.04712E-06	22.76915932	1.69172E-05	0.000305954	0.000353003
2118 Dec	65.42913055	0.070113331	0.013220115	0.001009912	15.50069809	0.03136301	5.54487133	0.001009912	0.001009912	5.04956E-06	0.007123474	0.001410986	0.010099143	0.027221821	5.04956E-06	22.77869797	1.6925E-05	0.000306079	0.000353125
2119 Jan	65.44327545	0.070130855	0.013223003	0.001010099	15.50418663	0.031369217	5.546125889	0.001010099	0.001010099	5.0505E-06	0.007124834	0.00141128	0.010100994	0.027227921	5.0505E-06	22.78377533	1.69282E-05	0.000306144	0.000353208
2119 Feb	65.46604919	0.070153974	0.013228053	0.001010392	15.50969887	0.031377774	5.548069477	0.001010392	0.001010392	5.05196E-06	0.007126842	0.001411757	0.010103771	0.027237995	5.05196E-06	22.79205132	1.69332E-05	0.000306252	0.000353351
2119 Mar	65.60500336	0.070302196	0.013256378	0.001012504	15.54268551	0.031443086	5.559853077	0.001012504	0.001012504	5.06252E-06	0.007141712	0.001414745	0.010124815	0.027296141	5.06252E-06	22.84062195	1.69687E-05	0.000306902	0.000354113
2119 Apr	66.83370972	0.071394727	0.013583762	0.001021112	15.85437202	0.031616986	5.666342735	0.001021112	0.001021112	5.10556E-06	0.00719268	0.001438625	0.010184698	0.027913008	5.10556E-06	23.33004761	1.71404E-05	0.000312865	0.000364307
2119 May	69.48889923	0.071214959	0.014795783	0.000989779	16.56092453	0.029411605	5.872249603	0.000989779	0.000989779	4.9489E-06	0.006902625	0.001476883	0.00964491	0.029790219	4.9489E-06	24.68406487	1.70726E-05	0.000328404	0.000405877
2119 Jun	68.67330933	0.069025919	0.014738337	0.000977797	16.30620003	0.02851725	5.770610332	0.000977797	0.000977797	4.88898E-06	0.006817781	0.001458784	0.009486985	0.029476328	4.88898E-06	24.39570618	1.71122E-05	0.000326048	0.000403412
2119 Jul	72.17876434	0.072103322	0.01547502	0.001036282	17.09915924	0.030117448	6.051248074	0.001036282	0.001036282	5.18141E-06	0.007226471	0.00153587	0.010052919	0.030919647	5.18141E-06	25.59548569	1.81735E-05	0.00034297	0.000422147
2119 Aug	73.45289612	0.073314309	0.015656812	0.001064973	17.41314125	0.031334478	6.16412878	0.001064973	0.001064973	5.32487E-06	0.00738769	0.001567318	0.010402588	0.031368569	5.32487E-06	26.00590706	1.83355E-05	0.000348434	0.000425469
2119 Sep	71.0056076	0.07209678	0.014946624	0.001041884	16.86320114	0.03126514	5.979693413	0.001041884	0.001041884	5.20942E-06	0.007230665	0.001517814	0.010288842	0.030146478	5.20942E-06	25.0633564	1.7633E-05	0.000335724	0.000404673
2119 Oct	68.8038559	0.071852908	0.014294204	0.001017805	16.36884499	0.031035015	5.821810722	0.001017805	0.001017805	5.08902E-06	0.007114799	0.001471344	0.010109353	0.029064307	5.08902E-06	24.21621513	1.71623E-05	0.00032395	0.000386833
2119 Nov	67.89694214	0.071729675	0.014027629	0.001007792	16.16489029	0.030931765	5.756462574	0.001007792	0.001007792	5.03896E-06	0.007065834	0.001452196	0.010033824	0.028620237	5.03896E-06	23.86807251	1.69675E-05	0.000319116	0.000379545
2119 Dec	67.92753601	0.071771905	0.01403301	0.001008287	16.1723156	0.03094938	5.75919342	0.001008287	0.001008287	5.04144E-06	0.007069557	0.001452853	0.01003904	0.028632401	5.04144E-06	23.87848091	1.69755E-05	0.000319253	0.000379689

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	6.4E-04	7.6E-02	9.4E-06	9.0E-01	1.2E+00	9.3E-03	1.3E-04	2.7E+00	9.6E-04	8.7E-03	1.8E-05	2.0E-05	3.9E-05	5.2E-02	1.9E-06	5.0E-05	8.5E-05	1.1E-03	0.0E+00
Operations (2020-2043): Mean	9.7E-04	1.2E-01	1.0E-05	1.3E+00	2.2E+00	3.0E-02	3.9E-04	4.6E+00	1.2E-03	1.1E-02	2.2E-04	1.0E-04	6.1E-05	9.0E-02	2.1E-06	7.5E-05	4.4E-04	1.5E-03	#DIV/0!
Operations (2020-2043): Max	1.5E-03	2.4E-01	1.7E-05	2.3E+00	4.7E+00	1.1E-01	5.8E-04	7.9E+00	2.1E-03	1.7E-02	9.7E-04	2.6E-04	1.3E-04	1.8E-01	3.4E-06	1.1E-04	1.3E-03	2.8E-03	0.0E+00
Active Closure (2044-2050): Min	6.5E-04	8.4E-02	9.7E-06	9.1E-01	1.3E+00	9.6E-03	1.3E-04	2.8E+00	9.8E-04	9.1E-03	2.1E-05	2.3E-05	4.1E-05	5.3E-02	1.9E-06	5.1E-05	1.4E-04	1.1E-03	0.0E+00
Active Closure (2044-2050): Mean	9.0E-04	9.3E-02	1.0E-05	1.1E+00	1.7E+00	1.3E-02	4.4E-04	4.0E+00	1.0E-03	1.1E-02	6.1E-05	6.7E-05	4.6E-05	7.0E-02	2.0E-06	7.4E-05	2.5E-04	1.3E-03	0.0E+00
Active Closure (2044-2050): Max	1.0E-03	1.5E-01	1.1E-05	1.5E+00	2.9E+00	5.8E-02	5.7E-04	5.1E+00	1.4E-03	1.1E-02	4.9E-04	2.2E-04	8.3E-05	1.1E-01	2.3E-06	8.5E-05	8.2E-04	2.1E-03	0.0E+00
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Post Closure (2051-2119): Min	7.7E-04	9.3E-02	8.8E-06	1.1E+00	1.7E+00	1.0E-02	1.5E-04	3.8E+00	1.0E-03	9.0E-03	4.1E-05	3.9E-05	4.5E-05	7.1E-02	1.8E-06	5.7E-05	1.7E-04	1.2E-03	0.0E+00
Post Closure (2051-2119): Mean	1.0E-03	1.5E-01	1.0E-05	1.5E+00	2.8E+00	5.3E-02	2.9E-04	5.3E+00	1.4E-03	1.1E-02	4.3E-04	1.7E-04	8.1E-05	1.1E-01	2.1E-06	7.2E-05	7.2E-04	1.7E-03	0.0E+00
Post Closure (2051-2119): Max	1.2E-03	1.8E-01	1.3E-05	1.8E+00	3.5E+00	7.1E-02	4.8E-04	6.4E+00	1.7E-03	1.3E-02	5.8E-04	2.3E-04	1.0E-04	1.4E-01	2.5E-06	8.5E-05	9.5E-04	2.2E-03	0.0E+00
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0.001250091	0.231520727	1E-05	2.106672049	4.625482559	0.110088252	0.000197514	7.530700684	0.001800112	0.011500348	0.000956	0.00023	0.00013	0.179768324	2E-06	7.50035E-05	0.001300112	0.001824962	0
2020 Feb	0.00125018	0.231541038	1E-05	2.106840849	4.625954628	0.11010123	0.000197527	7.531387329	0.001800221	0.01150069	0.000956	0.00023	0.00013	0.179786265	2E-06	7.50069E-05	0.001300221	0.001824924	0
2020 Mar	0.001250431	0.23158966	1.00016E-05	2.107274771	4.626961708	0.11012613	0.000197566	7.532982826	0.001800573	0.011502749	0.000956156	0.000230038	0.000130021	0.179825187	2.00033E-06	7.5021E-05	0.001300492	0.001825202	0
2020 Apr	0.001252677	0.232006773	1.00194E-05	2.111065388	4.635315418	0.110325463	0.000197921	7.546557903	0.001803802	0.01152327	0.000957853	0.000230446	0.000130252	0.180149719	2.00388E-06	7.51552E-05	0.001302833	0.001828431	0
2020 May	0.00127355	0.235872924	1.01863E-05	2.146242619	4.712563992	0.112164207	0.000201219	7.672316074	0.001833856	0.011715236	0.000973808	0.000234284	0.000132422	0.183151916	2.03725E-06	7.64073E-05	0.001324542	0.001858882	0
2020 Jun	0.001199646	0.219681919	1.00581E-05	2.009400845	4.345619202	0.102300368	0.000190005	7.12877512	0.001739545	0.01134521	0.000885687	0.000231336	0.000123013	0.169160306	2.01162E-06	7.32197E-05	0.001236641	0.001859978	0
2020 Jul	0.001205141	0.219240949	1.03073E-05	2.00997138	4.315738201	0.100986831	0.000191518	7.109652042	0.001750016	0.011525915	0.000873411	0.000235843	0.000122568	0.168126419	2.06146E-06	7.403E-05	0.001232202	0.001910406	0
2020 Aug	0.001250624	0.226885945	1.07248E-05	2.082112074	4.463685513	0.104226597	0.000200421	7.365384102	0.001813755	0.011969799	0.000901259	0.000243611	0.000126842	0.17393966	2.14497E-06	7.6863E-05	0.001271349	0.001980938	0
2020 Sep	0.001223273	0.219319701	1.05542E-05	2.022738218	4.315104961	0.099760026	0.000208916	7.163034439	0.00176275	0.011765541	0.000860565	0.000233097	0.000122431	0.168304011	2.11085E-06	7.59232E-05	0.001218391	0.001925643	0
2020 Oct	0.001192439	0.210492909	1.03458E-05	1.951723099	4.140275002	0.094431236	0.000219983	6.923734188	0.001701465	0.011547123	0.00081211	0.000220559	0.000117011	0.161619917	2.06916E-06	7.5019E-05	0.001156509	0.001859192	0
2020 Nov	0.001183403	0.20787479	1.02853E-05	1.930721283	4.088411808	0.092842795	0.000223381	6.853047848	0.001683345	0.011483863	0.000797655	0.000216821	0.0001154	0.159637868	2.05706E-06	7.47637E-05	0.001138077	0.001839548	0
2020 Dec	0.001183215	0.207812324	1.02842E-05	1.930235744	4.087172508	0.092802927	0.000223492	6.851434708	0.001682927	0.011482736	0.00079729	0.000216727	0.000115361	0.159590706	2.05684E-06	7.47609E-05	0.001137618	0.001839095	0
2021 Jan	0.001183237	0.207813025	1.02842E-05	1.930251002	4.087207794	0.092802569	0.000223518	6.851534367	0.001682929	0.011482898	0.000797252	0.000216716	0.000115358	0.159592122	2.05684E-06	7.4763E-05	0.001137602	0.001839049	0
2021 Feb	0.001183426	0.207848519	1.02855E-05	1.930570841	4.087937355	0.092820264	0.00022355	6.852705479	0.001683192	0.011484494	0.000797362	0.000216745	0.000115373	0.159620374	2.0571E-06	7.47739E-05	0.001137797	0.001839268	0
2021 Mar	0.001183893	0.207931966	1.02894E-05	1.931340456	4.089596272	0.092858545	0.000223637	6.855457783	0.001683854	0.011488904	0.000797667	0.000216827	0.000115417	0.159685016	2.05788E-06	7.48028E-05	0.001138255	0.001839954	0
2021 Apr	0.001184766	0.208086029	1.02969E-05	1.932768345	4.092636108	0.092927918	0.000223801	6.860537529	0.001685094	0.011497304	0.00079825	0.000216985	0.000115501	0.159803644	2.05937E-06	7.48577E-05	0.001139099	0.001841288	0
2021 May	0.001198389	0.210495695	1.0414E-05	1.955087543	4.140133858	0.094013654	0.000226319	6.939838886	0.001704499	0.011628588	0.000807587	0.000219481	0.00011684	0.161657065	2.0828E-06	7.57127E-05	0.001152336	0.001862286	0
2021 Jun	0.001150683	0.200767517	1.03135E-05	1.871046185	3.918273449	0.088272035	0.000215813	6.602075577	0.001647004	0.011373327	0.000756604	0.00021897	0.000111254	0.153173923	2.06269E-06	7.34648E-05	0.001102696	0.001866177	0
2021 Jul	0.001166018	0.202266425	1.06003E-05	1.888142228	3.930084467	0.088024452	0.000218756	6.647823334	0.001669619	0.011613351	0.000753945	0.000223939	0.000111908	0.153737977	2.12006E-06	7.47093E-05	0.001107647	0.001919233	0
2021 Aug	0.001189593	0.205406561	1.08554E-05	1.920590639	3.986978054	0.088946924	0.000225554	6.763287544	0.001699687	0.011857748	0.000761592	0.000226603	0.000113646	0.156042367	2.17109E-06	7.62456E-05	0.001118547	0.001954538	0
2021 Sep	0.00115817	0.197441936	1.06219E-05	1.856675506	3.833596945	0.084507965	0.0002326	6.546991825	0.00164338	0.011593627	0.000721354	0.000215143	0.00010908	0.150200725	2.12437E-06	7.49444E-05	0.001064164	0.001888221	0
2021 Oct	0.001143835	0.192984805	1.05152E-05	1.821387172	3.746917486	0.081772737	0.000240051	6.431320667	0.001612141	0.011492933	0.000696334	0.000208067	0.000106296	0.146887869	2.10304E-06	7.46344E-05	0.001031804	0.001851143	0
2021 Nov	0.001146165	0.193286031	1.05377E-05	1.824535728	3.752759695	0.081862211	0.000241012	6.442840576	0.001614928	0.011518298	0.000697019	0.000208289	0.000106447	0.147120729	2.10755E-06	7.48146E-05	0.00103303	0.001854288	0
2021 Dec	0.001146725	0.193372145	1.0543E-05	1.825376511	3.754431009	0.081895195	0.000241173	6.445846558	0.001615672	0.011524108	0.000697292	0.000208373	0.000106493	0.147186607	2.1086E-06	7.48538E-05	0.001033455	0.001855138	0
2022 Jan	0.001146788	0.193381324	1.05434E-05	1.825466633	3.754625559	0.081898957	0.000241198	6.446195126	0.001615743	0.011524676	0.000697303	0.000208375	0.000106496	0.147194222	2.10868E-06	7.48582E-05	0.001033494	0.001855183	0
2022 Feb	0.001146838	0.193391711	1.05436E-05	1.825556636	3.754850149	0.081904799	0.000241205	6.446537495	0.001615811	0.011525013	0.000697327	0.00020838	0.000106499	0.147202834	2.10873E-06	7.48607E-05	0.001033552	0.001855214	0
2022 Mar	0.001147173	0.193449199	1.05466E-05	1.826094985	3.755979061	0.081929937	0.000241274	6.448451996	0.001616281	0.011528285	0.000697527	0.000208439	0.000106529	0.147246987	2.10932E-06	7.48821E-05	0.00103386	0.001855728	0
2022 Apr	0.001154122	0.194621667	1.06104E-05	1.83716011	3.778750658	0.082426943	0.000242734	6.487534046	0.001626071	0.011598068	0.00070175	0.000209701	0.000107174	0.148139641	2.12208E-06	7.53354E-05	0.001040127	0.001866954	0
2022 May	0.001170068	0.197310925	1.0757E-05	1.862544775	3.830967665	0.083566092	0.000246087	6.577177525	0.001648538	0.011758295	0.000711446	0.000212598	0.000108655	0.150186718	2.15139E-06	7.63762E-05	0.001054499	0.001892744	0
2022 Jun	0.001120337	0.187592253	1.06284E-05	1.777364492	3.609908819	0.077983871	0.000233708	6.234395981	0.001589806	0.011476261	0.000662053	0.000212429	0.000103105	0.141713396	2.12568E-06	7.39242E-05	0.001006695	0.00189508	0
2022 Jul	0.001002071	0.164761797	9.97643E-06	1.570222497	3.116283178	0.065835364	0.000207119	5.45652771	0.001428853	0.010548977	0.000556929	0.000198655	9.00717E-05	0.122649699	1.99528E-06	6.69608E-05	0.000878583	0.001793659	0
2022 Aug	0.001034127	0.169105485	1.03285E-05	1.614968419	3.194872618	0.067133762	0.000216215	5.614193916	0.001470606	0.010888755	0.000567616	0.000202827	9.24667E-05	0.12582691	2.06569E-06	6.90968E-05	0.000894976	0.001844993	0
2022 Sep	0.001021908	0.165303439	1.02327E-05	1.587287068	3.125660658	0.064927369	0.000223604	5.525874138	0.001444858	0.010783666	0.000547148	0.000195906	9.03409E-05	0.12323457	2.04654E-06	6.8765E-05	0.000866201	0.001808415	0
2022 Oct	0.001011069	0.162064269	1.01261E-05	1.561291933	3.065368891	0.063039072	0.000229452	5.443825245	0.001420553	0.010692947	0.000529864	0.000190014	8.83151E-05	0.120916851	2.02522E-06	6.84935E-05	0.000842588	0.0017747	0
2022 Nov	0.001014024	0.162495852	1.01558E-05	1.565595746	3.073559523	0.06318935	0.000230355	5.45907259	0.00142445	0.010724869	0.000531087	0.000190461	8.8543E-05	0.121241629	2.03115E-06	6.87067E-05	0.000844642	0.001779475	0
2022 Dec	0.001014464	0.162558675	1.01602E-05	1.566227794	3.074752808	0.063210547	0.000230498	5.461320877	0.001425022	0.010729647	0.000531258	0.000190524	8.85759E-05	0.121289015	2.03203E-06	6.87389E-05	0.000844934	0.001780172	0
2023 Jan	0.001014514	0.162565872	1.01604E-05	1.566298246	3.074917786	0.063213676	0.00023052	5.461603165	0.001425074	0.01073006	0.000531263	0.000190523	8.85774E-05	0.121295244	2.03209E-06	6.87423E-05	0.000844962	0.001780189	0
2023 Feb	0.001014565	0.162576601	1.01606E-05	1.566390634	3.07514596	0.063219786	0.000230527	5.461956501	0.001425143	0.010730392	0.000531288	0.000190529	8.85807E-05	0.121304177	2.03213E-06	6.87448E-05	0.000845022	0.001780218	0
2023 Mar	0.001014661	0.162593439	1.01614E-05	1.566546917	3.075480938	0.063227393	0.000230546	5.462518215	0.001425277	0.010731299	0.000531338	0.000190544	8.85884E-05	0.121317245	2.03229E-06	6.87508E-05	0.000845112	0.001780354	0
2023 Apr	0.001018103	0.16314581	1.01958E-05	1.571865678	3.085938692	0.063442796	0.000231327	5.481074333	0.001430112	0.010767641	0.00053314	0.000191189	8.88886E-05	0.121729687	2.03916E-06	6.89837E-05	0.000847985	0.001786375	0
2023 May	0.001033193	0.165786847	1.03289E-05	1.596425056	3.137654543	0.064613178	0.000234137	5.568034172	0.001451623	0.010914926	0.000543194	0.000193989	9.03549E-05	0.123750463	2.06579E-06	6.99368E-05	0.000862403	0.001810216	0
2023 Jun	0.001000507	0.161519587	1.00784E-05	1.552571654	3.048912764	0.063118264	0.000220165	5.396704674	0.00141639	0.010617862	0.000531027	0.000193809	8.8119E-05	0.120230459	2.01567E-06	6.76989E-05	0.000849022	0.001788634	0
2023 Jul	0.000984207	0.15782617	1.00903E-05	1.520284891	2.958145857	0.060675021	0.000215391	5.264548779	0.001396274	0.010550851	0.000509699	0.000194112	8.59192E-05	0.1167714	2.01807E-06	6.68887E-05	0.000827732	0.001797331	0
2023 Aug	0.001014597	0.161989808	1.04238E-05	1.56216073	3.032017469	0.061908044	0.000223329	5.411651611	0.0014357	0.01087509	0.000520009	0.000198331	8.81526E-05	0.119742587	2.08475E-06	6.88942E-05	0.000843756	0.001847054	0
2023 Sep	0.001019297	0.161755562	1.0496E-05	1.566133261	3.030200005	0.061460029	0.000229925	5.428967953	0.001439001	0.010933466	0.000515106	0.000196704	8.81452E-05	0.11977914	2.09921E-06	6.94382E-05	0.000837279	0.0018481	0
2023 Oct	0.001017189	0.160608053	1.04718E-05	1.557855487	3.009464264	0.060686287	0.000234077	5.405335426	0.001430902	0.010922202	0.00050784	0.000194093	8.73753E-05	0.118991166	2.09436E-06	6.95465E-05	0.000827609	0.001835389	0
2023 Nov	0.001020582	0.161027983	1.05064E-05	1.562334538	3.017441988	0.0607966	0.000235517	5.421599388	0.001434946	0.010960253	0.000508651	0.000194427	8.7583E-05	0.119311132	2.10128E-06	6.98144E-05	0.000829239	0.001840245	0
2023 Dec	0.00102097	0.161079988	1.05104E-05	1.562870979	3.018424749	0.060812414	0.000235658	5.423517704	0.001435433	0.010964542	0.000508775	0.000194476	8.76097E-05	0.119350359	2.10207E-06	6.98438E-05	0.000829464	0.001840844	0
2024 Jan	0.001020998	0.161083847	1.05103E-05	1.562908769	3.01853013	0.060814474	0.000235678	5.423698425	0.001435451	0.010964694	0.000508765	0.000194469	8.76089E-05	0.119354375	2.10207E-06	6.98458E-05	0.000829474	0.001840804	0
2024 Feb	0.00102104	0.161093831	1.05104E-05	1.562990904	3.018758059	0.060820855	0.000235682	5.424024582	0.001435507	0.010964871	0.000508787	0.000194471	8.7611E-05	0.119363025	2.10207E-06	6.98474E-05	0.000829532	0.0018408	0
2024 Mar	0.001022061	0.161256716	1.05207E-05	1.564563274	3.021831989	0.06088376	0.000235914	5.429502487	0.00143694	0.010975685	0.000509295	0.000194663	8.76979E-05	0.11948438	2.10413E-06	6.99165E-05	0.000830374	0.001842596	0
2024 Apr	0.00102407	0.16157487	1.05412E-05	1.567645669	3.02780652	0.061004668	0.000236376	5.440211773	0.001439765	0.010997188	0.000510297	0.000195044	8.78699E-05	0.119720496	2.10824E-06	7.00536E-05	0.000832014	0.001846196	0
2024 May	0.00103904	0.164708331	1.06308E-05	1.594905496	3.092982769	0.062698036	0.000237783	5.539761543	0.00146177	0.011114644	0.000525251	0.000197713	8.9666E-05	0.122227266	2.12615E-06	7.08411E-05	0.000850578	0.001863535	0
2024 Jun	0.001015509	0.163549349	1.02458E-05	1.573764801	3.08547473	0.06373851	0.000223841	5.471704483	0.001436113	0.010765982	0.000536301	0.000195441	8.93229E-05	0.121726878	2.04917E-06	6.85823E-05	0.00085537	0.001810898	0
2024 Jul	0.001058828	0.170210436	1.07283E-05	1.638666987	3.20537281	0.066054113	0.000233103	5.692540169	0.001497776	0.011251601	0.000555614	0.000204523	9.2904E-05	0.126489341	2.14566E-06	7.15721E-05	0.000889281	0.001897175	0
2024 Aug	0.001091216	0.174745277	1.10822E-05	1.686267853	3.290683508	0.06754081	0.000243007	5.859364986	0.001541604	0.011598186	0.000567572	0.000209148	9.54883E-05	0.129938394	2.21644E-06	7.38189E-05	0.000908535	0.001951146	0
2024 Sep	0.001078579	0.171091661	1.09775E-05	1.659273267	3.224686623	0.06549602	0.000249298	5.772856236	0.001516328	0.011483201	0.000548659	0.000202551	9.34792E-05	0.127461851	2.1955E-06	7.33954E-05	0.000881456	0.001914756	0
2024 Oct	0.00107907	0.170295998	1.09814E-05	1.654583216	3.210360289	0.064824402	0.000254313	5.76178503	0.00151159	0.011501738	0.000542193	0.000200344	9.28871E-05	0.126929671	2.19629E-06	7.37009E-05	0.000873375	0.001906586	0
2024 Nov	0.001079312	0.169875041	1.09833E-05	1.652091503	3.202777863	0.064470313	0.000256945	5.75587368	0.001509075	0.011511302	0.000538786	0.000199181	9.25744E-05	0.12664789	2.19667E-06	7.38604E-05	0.000869114	0.001902261	0
2024 Dec	0.001079828	0.169944197	1.09886E-05	1.652806044	3.204090834	0.064491451	0.000257135	5.758436203	0.001509721	0.011516987	0.00053895	0.000199244	9.26099E-05	0.126700297	2.19771E-06	7.38994E-05	0.000869412	0.001903045	0
2025 Jan	0.001079867	0.169949755	1.09886E-05	1.652859926	3.204232693	0.064494245	0.00025716	5.758680344	0.001509752	0.011517236	0.000538942	0.000199237	9.26093E-05	0.126705736	2.19772E-06	7.39022E-05	0.000869429	0.00190301	0
2025 Feb	0.001080013	0.169976741	1.09896E-05	1.653104544	3.204787731	0.064507559	0.000257187	5.759578705	0.001509952	0.011518472	0.000539015	0.000199258	9.26202E-05	0.126727253	2.19793E-06	7.39107E-05	0.000869575	0.001903176	0
2025 Mar	0.001080239	0.170014486	1.09917E-05	1.653461695	3.205524445	0.064523555	0.000257236	5.760848045	0.001510266	0.011520705	0.000539128	0.000199296	9.26386E-05	0.126756147	2.19833E-06	7.39253E-05	0.000869772	0.001903524	0
2025 Apr	0.001081271	0.170178279	1.1002E-05	1.655049086	3.208626986	0.064586669	0.000257479	5.766393185	0.001511709	0.011531619	0.000539643	0.000199485	9.27266E-05	0.126878709	2.20041E-06	7.39955E-05	0.000870613	0.001905315	0
2025 May	0.001098353	0.172867209	1.11758E-05	1.681197643	3.259331465	0.065607578	0.000261546	5.857503414	0.00153559	0.011713752	0.000548169	0.000202636	9.41914E-05	0.128883645	2.23516E-06	7.51642E-05	0.00088437	0.001935404	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Jun	0.001056699	0.165510282	1.10249E-05	1.61425972	3.092941999	0.061669555	0.000248622	5.587023258	0.001488649	0.011451817	0.000513649	0.000203312	9.00269E-05	0.122460723	2.20499E-06	7.29402E-05	0.000852016	0.001935086	0
2025 Jul	0.001013344	0.157377228	1.08696E-05	1.53976202	2.906740189	0.057129238	0.000235264	5.292146683	0.001435813	0.011167733	0.00047435	0.000202358	8.53384E-05	0.115277879	2.17392E-06	7.04829E-05	0.000810756	0.00192671	0
2025 Aug	0.00152178	0.219952911	1.69021E-05	2.284403563	4.123848915	0.074281767	0.00044569	7.899169922	0.002122743	0.016769454	0.000595609	0.000258736	0.000124232	0.166059747	3.38041E-06	0.000108381	0.001031054	0.002770087	0
2025 Sep	0.001167468	0.137103409	1.30827E-05	1.602092147	2.653325319	0.033296812	0.000529084	5.727684975	0.001462796	0.013088525	0.000224833	0.000106524	7.72426E-05	0.109494753	2.61654E-06	9.15429E-05	0.000464313	0.001768031	0
2025 Oct	0.001045837	0.109192446	1.105E-05	1.295277238	2.113688231	0.018359663	0.000555889	4.796117783	0.001163223	0.011970416	9.63362E-05	5.23754E-05	5.35857E-05	0.086793445	2.21001E-06	8.77427E-05	0.000295517	0.001342492	0
2025 Nov	0.001025849	0.104721099	1.07217E-05	1.246041656	2.027235746	0.016002068	0.0005596	4.645864487	0.001115239	0.011784594	7.61092E-05	4.38413E-05	4.98302E-05	0.083158463	2.14434E-06	8.70696E-05	0.000268797	0.001274604	0
2025 Dec	0.001026421	0.104754977	1.07265E-05	1.246484756	2.02789259	0.0159903	0.000560061	4.647854328	0.001115596	0.011791618	7.5962E-05	4.37881E-05	4.98299E-05	0.08318451	2.14529E-06	8.71286E-05	0.00026873	0.00127488	0
2026 Jan	0.001027079	0.104944259	1.0726E-05	1.247923851	2.032063484	0.016116494	0.000559949	4.65339613	0.001116598	0.011793843	7.65194E-05	4.38951E-05	4.98791E-05	0.08334101	2.14521E-06	8.7145E-05	0.000269952	0.00127499	0
2026 Feb	0.001027956	0.105210125	1.07259E-05	1.249967456	2.037896395	0.016296402	0.000559724	4.66110754	0.001118059	0.011796499	7.73572E-05	4.40737E-05	4.99574E-05	0.083560899	2.14517E-06	8.71613E-05	0.000271701	0.001275311	0
2026 Mar	0.001029493	0.105463371	1.07368E-05	1.252368689	2.043173313	0.016411206	0.000560179	4.670110703	0.001120006	0.011810098	7.78933E-05	4.42164E-05	5.00516E-05	0.083766781	2.14736E-06	8.726E-05	0.000272933	0.0012768	0
2026 Apr	0.001034647	0.106046155	1.07877E-05	1.258942723	2.054676294	0.016544994	0.000562765	4.694653034	0.001125771	0.011866922	7.85232E-05	4.44816E-05	5.03133E-05	0.084232382	2.15754E-06	8.76788E-05	0.000274771	0.001282954	0
2026 May	0.00106161	0.11240197	1.0963E-05	1.312094212	2.1827178	0.020107696	0.00056068	4.881620884	0.00117037	0.01207734	0.000110422	5.17494E-05	5.40213E-05	0.089138865	2.1926E-06	8.88885E-05	0.000315555	0.00132582	0
2026 Jun	0.000806678	0.117756553	9.9439E-06	1.192596078	2.055332184	0.03574466	0.000201296	3.939941406	0.001176705	0.009875825	0.000282429	0.000192604	6.23738E-05	0.082429774	1.98878E-06	6.11387E-05	0.000624259	0.00185422	0
2026 Jul	0.000755711	0.100819878	1.04818E-05	1.029299736	1.5504179	0.021366939	0.000160353	3.279518604	0.001090742	0.009731087	0.000166124	0.000190678	5.137E-05	0.063256867	2.09637E-06	5.60757E-05	0.000471286	0.001913734	0
2026 Aug	0.000838347	0.095312126	1.05003E-05	1.018552184	1.484500885	0.01411591	0.000240834	3.527797461	0.001027695	0.009458868	0.000111857	9.82508E-05	4.92303E-05	0.061803527	2.10006E-06	5.58323E-05	0.00021599	0.001445245	0
2026 Sep	0.000879159	0.093505017	1.04699E-05	1.069710612	1.590792298	0.012678146	0.000353158	3.814177036	0.001032381	0.009977568	7.9539E-05	7.14678E-05	4.8248E-05	0.066437423	2.09398E-06	6.48912E-05	0.000197238	0.001343312	0
2026 Oct	0.000949809	0.093453489	1.01122E-05	1.105715394	1.737820029	0.010497171	0.000505347	4.130699635	0.001006459	0.01095656	3.86582E-05	3.66969E-05	4.2525E-05	0.071499325	2.02244E-06	7.94359E-05	0.00019627	0.001178164	0
2026 Nov	0.000955306	0.09392111	1.01591E-05	1.111631155	1.748063684	0.010526941	0.00050947	4.154703617	0.00101123	0.011021688	3.84242E-05	3.6517E-05	4.26782E-05	0.071910448	2.03183E-06	7.9986E-05	0.000197243	0.001182338	0
2026 Dec	0.000956064	0.093979031	1.01646E-05	1.112403631	1.749493003	0.01052827	0.000510146	4.158022881	0.001011793	0.011030824	3.83509E-05	3.6457E-05	4.2691E-05	0.071966901	2.03291E-06	8.007E-05	0.000197363	0.001182677	0
2027 Jan	0.000957172	0.094283193	1.01649E-05	1.114829421	1.756319165	0.010729454	0.000510082	4.167303562	0.001013498	0.011035499	3.9275E-05	3.66331E-05	4.27803E-05	0.072224699	2.03297E-06	8.01082E-05	0.000199355	0.001183013	0
2027 Feb	0.00095853	0.094688587	1.01649E-05	1.117998838	1.765280962	0.011003383	0.000509795	4.179242611	0.001015764	0.01104003	4.05672E-05	3.69066E-05	4.29045E-05	0.072563276	2.03299E-06	8.01388E-05	0.000202038	0.001183568	0
2027 Mar	0.000960209	0.095002174	1.0175E-05	1.120820522	1.771891952	0.011163373	0.000510138	4.18983984	0.001017994	0.011053312	4.13109E-05	3.70917E-05	4.30142E-05	0.072818786	2.03499E-06	8.02339E-05	0.000203697	0.00118503	0
2027 Apr	0.000968028	0.095860362	1.02533E-05	1.130441546	1.788335562	0.011334885	0.000513977	4.225833416	0.001026541	0.011139845	4.20326E-05	3.74627E-05	4.33842E-05	0.073485285	2.05067E-06	8.08614E-05	0.000206103	0.001194329	0
2027 May	0.001007079	0.105983421	1.04782E-05	1.213603735	1.995034099	0.017336771	0.000507653	4.516794682	0.001095471	0.01142132	9.59965E-05	4.94992E-05	4.94188E-05	0.081380375	2.09564E-06	8.24141E-05	0.000274442	0.001258752	0
2027 Jun	0.000641318	0.087741978	9.954E-06	0.921880782	1.307791948	0.017571282	0.00013154	2.76291132	0.001018984	0.009167416	0.000123518	0.000214895	4.53069E-05	0.053814493	1.9908E-06	5.26E-05	0.00049949	0.00201436	0
2027 Jul	0.000706973	0.091886103	1.07461E-05	0.949521422	1.298952818	0.01513548	0.000131672	2.893477201	0.001058532	0.009675429	0.00011161	0.000206765	4.62556E-05	0.053710539	2.14922E-06	5.3784E-05	0.000440558	0.002035712	0
2027 Aug	0.000780055	0.090506941	1.09397E-05	1.033961058	1.428517103	0.01358824	0.000242975	3.387845039	0.001074359	0.009703261	8.78134E-05	0.000142272	5.02588E-05	0.060478259	2.18794E-06	5.81233E-05	0.000305575	0.001743776	0
2027 Sep	0.000889166	0.08855994	1.03704E-05	1.107753396	1.656625748	0.010799984	0.000464289	4.003201485	0.001031516	0.010404382	3.76491E-05	5.4675E-05	4.66299E-05	0.069674417	2.07409E-06	7.37865E-05	0.000199365	0.001296712	0
2027 Oct	0.000949752	0.091682434	1.00987E-05	1.11783731	1.75401175	0.009938705	0.000537399	4.182868004	0.001007863	0.011060011	2.57159E-05	3.25423E-05	4.22678E-05	0.072412945	2.01975E-06	8.18798E-05	0.000197151	0.001170763	0
2027 Nov	0.000958799	0.092300937	1.01093E-05	1.122761965	1.769364119	0.009893592	0.000546147	4.2145648	0.001009243	0.011160701	2.46919E-05	3.05892E-05	4.20106E-05	0.072926901	2.02186E-06	8.2928E-05	0.000197646	0.001163159	0
2027 Dec	0.000959616	0.092368431	1.01142E-05	1.123469234	1.7708112	0.009895945	0.00054677	4.217798233	0.001009745	0.011169997	2.46579E-05	3.0517E-05	4.20177E-05	0.072981343	2.02284E-06	8.30103E-05	0.000197754	0.001163335	0
2028 Jan	0.00096079	0.092712484	1.01139E-05	1.126109838	1.778383017	0.010126304	0.000546542	4.227854729	0.001011612	0.01117401	2.57502E-05	3.07331E-05	4.21182E-05	0.073266171	2.02278E-06	8.30383E-05	0.000200006	0.001163684	0
2028 Feb	0.000962458	0.093192652	1.01152E-05	1.129871249	1.788877606	0.010444183	0.000546214	4.24199295	0.001014341	0.011180256	2.72643E-05	3.10612E-05	4.22671E-05	0.073663004	2.02304E-06	8.30781E-05	0.000203121	0.001164484	0
2028 Mar	0.00096357	0.093472406	1.01181E-05	1.132151008	1.794937134	0.01061806	0.000546158	4.250561237	0.001016038	0.011186098	2.80875E-05	3.12451E-05	4.23568E-05	0.073893458	2.02363E-06	8.3118E-05	0.000204847	0.001165173	0
2028 Apr	0.000968431	0.094039828	1.01643E-05	1.138404727	1.806216836	0.010761837	0.00054853	4.274045467	0.001021456	0.011238575	2.86706E-05	3.14853E-05	4.25932E-05	0.07434722	2.03286E-06	8.3506E-05	0.000206711	0.001170684	0
2028 May	0.000987978	0.096003912	1.03669E-05	1.16176033	1.84412384	0.011038804	0.000559317	4.361617088	0.001042319	0.011463176	2.96799E-05	3.22067E-05	4.34837E-05	0.075900733	2.07337E-06	8.51709E-05	0.000211479	0.001194288	0
2028 Jun	0.00064064	0.084622033	1.00079E-05	0.904621184	1.248473406	0.01501555	0.000147567	2.711815357	0.001004205	0.009236622	9.85729E-05	0.000208843	4.3229E-05	0.051654268	2.00157E-06	5.3577E-05	0.00047148	0.001998997	0
2028 Jul	0.000717484	0.092690952	1.08197E-05	0.956460118	1.309990644	0.015074147	0.000134925	2.929596424	0.001063779	0.009740971	0.000111912	0.000204262	4.65273E-05	0.054161016	2.16393E-06	5.41488E-05	0.000433763	0.002028394	0
2028 Aug	0.000798503	0.097092956	1.14778E-05	1.049988151	1.448032141	0.014947562	0.000200877	3.353248835	0.001125096	0.010259299	0.000105742	0.000177718	5.09719E-05	0.06056815	2.29556E-06	5.91484E-05	0.00037717	0.001961134	0
2028 Sep	0.000881023	0.095671989	1.09718E-05	1.097188592	1.613921285	0.012741667	0.000365408	3.797494173	0.001084239	0.010770232	6.8509E-05	0.000110244	4.75672E-05	0.067086093	2.19436E-06	7.07962E-05	0.000295085	0.001607686	0
2028 Oct	0.000983212	0.094565362	1.01401E-05	1.131470084	1.806942701	0.009866448	0.000563107	4.276613712	0.001012704	0.011475113	2.40641E-05	2.91688E-05	4.09307E-05	0.073978007	2.02801E-06	8.57363E-05	0.000207706	0.00116027	0
2028 Nov	0.000989108	0.094760612	1.01368E-05	1.13542223	1.817956209	0.009792975	0.000571216	4.303438187	0.001012765	0.011527342	2.2612E-05	2.64837E-05	4.08058E-05	0.074394546	2.02735E-06	8.64555E-05	0.000205246	0.001147913	0
2028 Dec	0.000989744	0.094817907	1.01426E-05	1.136124611	1.819126606	0.009797979	0.00057163	4.306215763	0.001013358	0.011534591	2.2611E-05	2.64729E-05	4.08285E-05	0.074442104	2.02853E-06	8.65131E-05	0.000205342	0.001148463	0
2029 Jan	0.000990558	0.09507174	1.01423E-05	1.138086677	1.824726462	0.009972079	0.000571398	4.313594341	0.001014757	0.01153675	2.34403E-05	2.66455E-05	4.0907E-05	0.074653588	2.02846E-06	8.65259E-05	0.000207024	0.00114876	0
2029 Feb	0.00099166	0.09541703	1.01421E-05	1.140755057	1.832306862	0.010208421	0.000571063	4.323575497	0.001016679	0.011539735	2.45704E-05	2.68919E-05	4.1015E-05	0.074939996	2.02843E-06	8.65422E-05	0.000209318	0.001149246	0
2029 Mar	0.000992577	0.095635504	1.01453E-05	1.142572165	1.837019563	0.010340379	0.000571063	4.330390453	0.001018049	0.011545043	2.51936E-05	2.70347E-05	4.10869E-05	0.075119883	2.02906E-06	8.65787E-05	0.000210634	0.001149877	0
2029 Apr	0.000994794	0.095923275	1.01644E-05	1.145558119	1.842841148	0.010433231	0.000572038	4.341666698	0.001020568	0.011567777	2.55918E-05	2.71622E-05	4.1198E-05	0.075350635	2.03288E-06	8.67473E-05	0.000211743	0.0011522	0
2029 May	0.00101113	0.099154994	1.02894E-05	1.174323678	1.907634735	0.012053668	0.000573665	4.444002151	0.001045021	0.01171209	3.97133E-05	3.05114E-05	4.30316E-05	0.077859893	2.05788E-06	8.76636E-05	0.000230638	0.00117659	0
2029 Jun	0.000825606	0.100340039	1.00828E-05	1.090228915	1.737123728	0.020460682	0.00031628	3.712249041	0.0010723	0.010338238	0.000135406	0.000140598	4.90062E-05	0.070618525	2.01656E-06	6.82334E-05	0.000435319	0.001661916	0
2029 Jul	0.000783054	0.092315614	1.02561E-05	0.925988078	1.311825395	0.012404522	0.000168759	3.103137016	0.000982074	0.009246981	0.000106556	0.00012694	4.4175E-05	0.054018818	2.05122E-06	5.15129E-05	0.000252016	0.001558333	0
2029 Aug	0.000853646	0.091179073	1.06043E-05	1.025845647	1.45521009	0.011201954	0.000283709	3.618982792	0.001016849	0.009390917	8.19203E-05	7.07452E-05	4.90957E-05	0.061526816	2.12086E-06	5.67877E-05	0.000137046	0.001328417	0
2029 Sep	0.000906625	0.090510845	1.04431E-05	1.094190121	1.628850818	0.01048322	0.000431981	3.991446495	0.001023809	0.010213838	4.82616E-05	4.41864E-05	4.71386E-05	0.068461835	2.08862E-06	7.01502E-05	0.000151586	0.001227639	0
2029 Oct	0.000950782	0.092214577	1.01666E-05	1.111222506	1.731320739	0.009904406	0.000515004	4.15871191	0.001007681	0.010905361	3.17589E-05	3.05342E-05	4.30157E-05	0.071596138	2.03331E-06	7.93844E-05	0.000176577	0.001155662	0
2029 Nov	0.00095994	0.09270893	1.01501E-05	1.116645455	1.751367331	0.009841148	0.000528992	4.194818497	0.001007776	0.01103867	2.9319E-05	2.85266E-05	4.24951E-05	0.072256632	2.03003E-06	8.09963E-05	0.000180842	0.001147602	0
2029 Dec	0.000960508	0.092757538	1.01543E-05	1.117222428	1.752455473	0.009844474	0.000529446	4.197235584	0.001008221	0.011045638	2.92932E-05	2.85073E-05	4.25056E-05	0.072298884	2.03087E-06	8.10575E-05	0.000180989	0.001147979	0
2030 Jan	0.000961311	0.092990756	1.01541E-05	1.119036078	1.757641673	0.010000743	0.000529333	4.204134941	0.001009499	0.011048731	3.00238E-05	2.86582E-05	4.2573E-05	0.072494023	2.03083E-06	8.10814E-05	0.000182552	0.00114826	0
2030 Feb	0.000962554	0.093324535	1.01563E-05	1.121710539	1.764927506	0.010215324	0.000529199	4.214184284	0.001011462	0.011054478	3.10388E-05	2.8884E-05	4.2678E-05	0.07277029	2.03126E-06	8.11205E-05	0.000184682	0.00114896	0
2030 Mar	0.000963798	0.093561292	1.01635E-05	1.12382853	1.769934773	0.01033811	0.000529439	4.222143173	0.001013128	0.011064137	3.16093E-05	2.90239E-05	4.27603E-05	0.072963625	2.03269E-06	8.11898E-05	0.000185949	0.001150021	0
2030 Apr	0.000966949	0.093933418	1.01933E-05	1.127883554	1.777276635	0.010434467	0.000530917	4.23737812	0.001016644	0.011097661	3.20155E-05	2.91773E-05	4.29156E-05	0.073258795	2.03866E-06	8.14349E-05	0.000187145	0.001153537	0
2030 May	0.000988536	0.096179083	1.04161E-05	1.153935671	1.820147991	0.010799306	0.000542123	4.334813118	0.001039967	0.011341258	3.38826E-05	3.00693E-05	4.39645E-05	0.075010926	2.08321E-06	8.32113E-05	0.000192735	0.001179592	0
2030 Jun	0.000659757	0.087358512	9.97546E-06	0.929810584	1.321498156	0.016589772	0.000158223	2.836934566	0.001015178	0.009286474	0.000112758	0.000202507	4.47289E-05	0.054456562	1.99509E-06	5.44363E-05	0.000474448	0.001959177	0
2030 Jul	0.000724739	0.089453928	1.02012E-05	0.910059333	1.26606071	0.013289994	0.000145655	2.912760735	0.000990085	0.009183785	0.000105666	0.000161075	4.38813E-05	0.052246373	2.04023E-06	5.10462E-05	0.000333028	0.001739975	0
2030 Aug	0.000831162	0.093377292	1.05969E-05	0.987785757	1.399457812	0.011951453	0.0002252	3.399660587	0.001014023	0.00946417	9.65759E-05	0.000101377	4.72068E-05	0.058385085	2.11938E-06	5.47391E-05	0.000197887	0.001469481	0
2030 Sep	0.000872667	0.094372377	1.08593E-05	1.053200006	1.511196971	0.011871246	0.000299927	3.686367035	0.001048798	0.009931017	8.23214E-05	8.69074E-05	4.89601E-05	0.063394152	2.17185E-06	6.1125E-05	0.000190415	0.001442649	0
2030 Oct	0.000925087	0.0933991	1.03321E-05	1.083507299	1.655682683	0.010566765	0.000441135	3.972887993	0.001015271	0.010646414	4.94361E-05	5.21604E-05	4.39968E-05	0.068464473	2.06642E-06	7.37757E-05	0.000192182	0.001258958	0
2030 Nov	0.000938138	0.093195222	1.02077E-05	1.091244102	1.69134593	0.010253653	0.00047558	4.043849468	0.001007482	0.010823847	4.14673E-05	4.37405E-05	4.28068E-05	0.069719583	2.04153E-06	7.68735E-05	0.000192678	0.001214787	0
2030 Dec	0.000938667	0.09323211	1.02106E-05	1.091781616	1.692425966	0.010254679	0.000476139	4.046282768	0.001007822	0.010830228	4.14016E-05	4.3671E-05	4.28123E-05	0.069761857	2.04213E-06	7.6938E-05	0.000192764	0.001214835	0
2031 Jan	0.000939473	0.093450986	1.02104E-05	1.093544126	1.697428584	0.010400703	0.000476142	4.053092957	0.001009032	0.010833652	4.20642E-05	4.37833E-05	4.28755E-05	0.069950692	2.04208E-06	7.69692E-05	0.00019421	0.001214977	0
2031 Feb	0.000940459	0.093744233	1.02103E-05	1.095844984	1.703958392	0.010599567	0.000475959	4.061795235	0.001010663	0.010836944	4.29981E-05	4.39738E-05	4.29647E-05	0.070197329	2.04205E-06	7.69932E-05	0.000196158	0.001215326	0
2031 Mar	0.00094135	0.09393914	1.0214E-05	1.097509623	1.708154202	0.010711838	0.000476039	4.068060398	0.001011931	0.010842809	4.35228E-05	4.4094E-05	4.30294E-05	0.070358008	2.0428E-06	7.70352E-05	0.000197292	0.001215973	0
2031 Apr	0.000947765	0.094640106	1.02802E-05	1.105348349	1.721273899	0.010843359	0.00047907	4.097169876	0.001019005	0.010914189	4.40965E-05	4.44395E-05	4.33365E-05	0.07089144	2.05605E-06	7.75425E-05	0.00019918	0.001223971	0
2031 May	0.001008537	0.115502626	1.04455E-05	1.266176462	2.158244371	0.024821464	0.000449565	4.654800415	0.001147564	0.011212344	0.000171367	7.10417E-05	5.62091E-05	0.087399632	2.08911E-06	7.87322E-05	0.000355789	0.001331557	0
2031 Jun	0.00094748	0.148482814	1.01943E-05	1.445795655	2.737237692	0.054200284	0.000215636	4.950895309	0.001352037	0.010541935	0.000449711	0.000197247	8.00263E-05	0.108374618	2.03886E-06	6.64879E-05	0.000783035	0.001844636	0
2031 Jul	0.000892912	0.128908485	1.10266E-05	1.279102802	2.176865816	0.03737732	0.000190637	4.236345291	0.001275488	0.010683727	0.000305424	0.000203715	6.75285E-05	0.087314785	2.20532E-06	6.37567E-05	0.000632789	0.001991189	0
2031 Aug	0.000879971	0.107378609	1.08088E-05	1.164720654	1.820230961	0.023094939	0.000270942	4.01568985	0.001140658	0.009952112	0.000178148	0.000118725	5.87857E-05	0.075211056	2.16176E-06	6.11573E-05	0.000341513	0.001575715	0
2031 Sep	0.000908842	0.090856776	1.0225E-05	1.134664655	1.742804646	0.012548343	0.000483683	4.157374859	0.00103545	0.010373046	5.24306E-05	4.14814E-05	4.82304E-05	0.073050447	2.04501E-06	7.46764E-05	0.000193054	0.001212457	0
2031 Oct	0.000975696	0.093003727	9.93838E-06	1.121390343	1.799414635	0.009666279	0.000570034	4.263645172	0.000994865	0.011319233	2.15005E-05	2.15448E-05	4.03349E-05	0.073701739	1.98768E-06	8.53312E-05	0.000195122	0.001104742	0
2031 Nov	0.000978772	0.093241572	9.95704E-06	1.123744965	1.804214001	0.009650311	0.000572451	4.274652004	0.000996577	0.011357155	2.11437E-05	2.13222E-05	4.03224E-05	0.073876463	1.99141E-06	8.56633E-05	0.000195589	0.001105821	0
2031 Dec	0.000979181	0.093279295	9.96091E-06	1.124187946	1.804948449	0.009653288	0.000572704	4.276383877	0.000996961	0.011361955	2.11428E-05	2.13347E-05	4.03361E-05	0.073906042	1.99218E-06	8.57005E-05	0.000195667	0.001106229	0
2032 Jan	0.000980015	0.093527287	9.96138E-06	1.12612009	1.810365796	0.009819308	0.000572503	4.28361702	0.000998364	0.011364817	2.19345E-05	2.15108E-05	4.04133E-05	0.074110836	1.99228E-06	8.57177E-05	0.000197293	0.001106646	0
2032 Feb	0.000981093	0.093861416	9.96149E-06	1.128705025	1.817676902	0.0100466 02	0.000572184	4.293270111	0.001000235	0.01136796	2.3022E-05	2.17537E-05	4.05178E-05	0.074387118	1.9923E-06	8.57349E-05	0.00019951	0.00110717	0
2032 Mar	0.000982126	0.094085105	9.96612E-06	1.13062036	1.822463155	0.010174063	0.000572274	4.300457954	0.001001706	0.011374879	2.36204E-05	2.18949E-05	4.0593E-05	0.074570596	1.99322E-06	8.57836E-05	0.000200799	0.001107961	0
2032 Apr	0.000986183	0.09454336	1.0004E-05	1.135696054	1.831592321	0.010281216	0.000574353	4.319710255	0.001006077	0.011419056	2.40379E-05	2.20513E-05	4.07787E-05	0.074937247	2.00081E-06	8.61148E-05	0.00020223	0.00111233	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 May	0.001007789	0.09794876	1.01907E-05	1.168542743	1.899294019	0.011667413	0.000580613	4.438964844	0.001034357	0.011633384	3.55377E-05	2.49287E-05	4.25977E-05	0.077593639	2.03813E-06	8.75928E-05	0.000219114	0.001141505	0
2032 Jun	0.000663274	0.089279152	9.86523E-06	0.942051888	1.372038245	0.018253718	0.000157729	2.891156912	0.001019832	0.00926132	0.000127651	0.000202734	4.571E-05	0.056271821	1.97305E-06	5.45393E-05	0.000491299	0.001945645	0
2032 Jul	0.000766195	0.090083271	1.00085E-05	0.90182811	1.276262164	0.011948051	0.000163833	3.028442621	0.000956277	0.009007898	0.000103606	0.000121877	4.30388E-05	0.052560609	2.00169E-06	5.00461E-05	0.000239227	0.001509222	0
2032 Aug	0.000835562	0.085778572	1.05189E-05	1.058025479	1.486211777	0.010827044	0.000340851	3.744012594	0.001021127	0.009201888	6.19428E-05	5.58534E-05	5.10649E-05	0.063968398	2.10377E-06	5.87997E-05	0.000117192	0.001272565	0
2032 Sep	0.000855438	0.083586693	1.05074E-05	1.11174345	1.585927248	0.010467995	0.000432437	3.992344141	0.001035623	0.009520156	3.90624E-05	3.81245E-05	5.17708E-05	0.068603784	2.10148E-06	6.5717E-05	0.000114081	0.001215239	0
2032 Oct	0.000895706	0.086835831	1.04606E-05	1.124820352	1.656722188	0.010305421	0.000473356	4.102488995	0.001034614	0.01008918	3.43326E-05	3.38733E-05	4.92164E-05	0.070581123	2.09211E-06	7.15539E-05	0.000135736	0.001196901	0
2032 Nov	0.000908627	0.08782836	1.0406E-05	1.126150489	1.679156899	0.010205411	0.000487987	4.132153034	0.001030657	0.010280593	3.23354E-05	3.20678E-05	4.80324E-05	0.071124211	2.0812E-06	7.36271E-05	0.000143873	0.001185502	0
2032 Dec	0.000916262	0.08831495	1.02949E-05	1.121216178	1.691850901	0.010050824	0.000499628	4.138346672	0.001021068	0.010411312	3.01982E-05	3.012E-05	4.66054E-05	0.071262673	2.05898E-06	7.52519E-05	0.000151055	0.001167758	0
2033 Jan	0.000918204	0.088838167	1.0294E-05	1.125119209	1.703309894	0.01038634	0.000499527	4.153523922	0.001023779	0.010420979	3.17669E-05	3.04382E-05	4.6733E-05	0.071688376	2.0588E-06	7.53305E-05	0.000154554	0.001168293	0
2033 Feb	0.000920733	0.089541189	1.02959E-05	1.130581737	1.718644619	0.010843738	0.000499176	4.174203396	0.001027723	0.010432	3.39346E-05	3.09123E-05	4.69395E-05	0.072265856	2.05918E-06	7.54074E-05	0.00015914	0.001169483	0
2033 Mar	0.00092349	0.0900582	1.03124E-05	1.135251284	1.729570627	0.011109011	0.000499734	4.191722393	0.001031412	0.010453648	3.51656E-05	3.12168E-05	4.71223E-05	0.072688632	2.06248E-06	7.55623E-05	0.000161875	0.001171885	0
2033 Apr	0.000931847	0.091015384	1.03975E-05	1.146257758	1.748524666	0.011342598	0.000503721	4.232521057	0.001041095	0.010542758	3.61294E-05	3.16203E-05	4.75729E-05	0.073464334	2.07951E-06	7.62056E-05	0.00016463	0.00118186	0
2033 May	0.001064613	0.146978781	1.03271E-05	1.533131361	2.893509388	0.050238531	0.000387583	5.563605309	0.001347939	0.01100608	0.000397812	0.000109817	8.03476E-05	0.115844987	2.06541E-06	7.63637E-05	0.000612152	0.001444227	0
2033 Jun	0.000969429	0.162460998	9.44832E-06	1.546969414	3.111689806	0.067138717	0.00019753	5.389071941	0.001394668	0.010051727	0.000568323	0.000192267	8.98729E-05	0.122379147	1.88966E-06	6.42166E-05	0.000879218	0.001708693	0
2033 Jul	0.000907444	0.132846177	1.02022E-05	1.288802266	2.313132048	0.042004902	0.000188042	4.419602871	0.001237884	0.010006193	0.000356091	0.000168343	7.0086E-05	0.092199244	2.04043E-06	6.00479E-05	0.000598918	0.001706015	0
2033 Aug	0.000950663	0.128377885	1.08688E-05	1.277696252	2.184036493	0.034926496	0.000225005	4.434716702	0.001234751	0.010367675	0.000295297	0.00014323	6.73969E-05	0.087986194	2.17376E-06	6.20628E-05	0.000479816	0.001654308	0
2033 Sep	0.000961978	0.099065647	1.02336E-05	1.163348794	1.870964289	0.014886398	0.00049709	4.314266205	0.00105427	0.010982921	7.63925E-05	4.58598E-05	4.75223E-05	0.07686691	2.04673E-06	7.93712E-05	0.000242617	0.00122556	0
2033 Oct	0.000961953	0.091748066	9.74419E-06	1.101463199	1.773891926	0.009531751	0.000562331	4.194615841	0.000976063	0.011164015	2.15439E-05	2.08394E-05	3.93273E-05	0.072535552	1.94884E-06	8.42604E-05	0.000194143	0.001081774	0
2033 Nov	0.00096681	0.092110634	9.78666E-06	1.106173277	1.781512976	0.009506211	0.000566068	4.214148998	0.000979916	0.011222874	2.0898E-05	2.06004E-05	3.94131E-05	0.072842203	1.95733E-06	8.47531E-05	0.000194456	0.001085258	0
2033 Dec	0.000967388	0.09216512	9.79247E-06	1.106829524	1.782570124	0.009511499	0.000566411	4.216657639	0.000980495	0.011229591	2.09065E-05	2.06109E-05	3.9436E-05	0.072885394	1.95849E-06	8.48041E-05	0.000194569	0.001085895	0
2034 Jan	0.000967768	0.092270479	9.79309E-06	1.107669234	1.784863234	0.009579994	0.00056635	4.219798565	0.000981114	0.011231204	2.1232E-05	2.06843E-05	3.94696E-05	0.072972395	1.95862E-06	8.48144E-05	0.000195242	0.001086116	0
2034 Feb	0.00096826	0.092411339	9.79372E-06	1.108783245	1.787932515	0.009672798	0.000566253	4.2239604	0.000981931	0.011233119	2.16746E-05	2.07843E-05	3.95145E-05	0.07308875	1.95874E-06	8.48262E-05	0.000196152	0.001086394	0
2034 Mar	0.000968995	0.092532583	9.79877E-06	1.109924078	1.790465593	0.009728025	0.000566472	4.228261471	0.000982849	0.011239569	2.19262E-05	2.08488E-05	3.9558E-05	0.073187329	1.95975E-06	8.48734E-05	0.000196743	0.001087068	0
2034 Apr	0.000975808	0.093212493	9.8663E-06	1.117899656	1.803728938	0.009823881	0.000570334	4.258618832	0.000989859	0.011317406	2.22152E-05	2.10233E-05	3.98439E-05	0.073726639	1.97326E-06	8.54603E-05	0.000198379	0.001094625	0
2034 May	0.00102676	0.110049859	1.00995E-05	1.24829483	2.145081758	0.020748064	0.000543193	4.702563763	0.001098343	0.011588137	0.000122392	4.37985E-05	5.03523E-05	0.086686596	2.0199E-06	8.62411E-05	0.000320417	0.001196871	0
2034 Jun	0.000959832	0.144016698	9.87238E-06	1.424053431	2.709910393	0.051095475	0.000272495	4.977396488	0.001305103	0.010574047	0.000417012	0.000168069	7.61776E-05	0.107292712	1.97448E-06	6.9618E-05	0.000726053	0.001684234	0
2034 Jul	0.00087366	0.10777466	1.05277E-05	1.069164991	1.673803806	0.02069563	0.000205431	3.692043781	0.0010786	0.009843611	0.000177684	0.000123481	5.2631E-05	0.067947939	2.10555E-06	5.70602E-05	0.000322007	0.001547244	0
2034 Aug	0.000931381	0.109496266	1.12604E-05	1.138252497	1.736005902	0.019112213	0.000257381	3.973847628	0.001133981	0.010350815	0.000157546	0.000108754	5.56425E-05	0.071434148	2.25208E-06	6.13439E-05	0.000274475	0.001552869	0
2034 Sep	0.000962564	0.097221494	1.03324E-05	1.128688097	1.78023994	0.012185617	0.000485125	4.190710068	0.001035464	0.011031963	5.76843E-05	4.4868E-05	4.48688E-05	0.073138326	2.06647E-06	7.85934E-05	0.000213166	0.001228339	0
2034 Oct	0.000970468	0.092447899	9.83435E-06	1.109263778	1.784647822	0.009465631	0.000566792	4.224977016	0.00098355	0.011265368	2.06603E-05	2.09249E-05	3.95211E-05	0.072973706	1.96687E-06	8.49724E-05	0.000194236	0.001091191	0
2034 Nov	0.000974689	0.092802472	9.87215E-06	1.113843322	1.792321801	0.009482775	0.000569918	4.243349075	0.000987313	0.011315575	2.04307E-05	2.08088E-05	3.96443E-05	0.073284537	1.97443E-06	8.53908E-05	0.000194904	0.001094682	0
2034 Dec	0.000975348	0.092864573	9.87876E-06	1.114593506	1.793533564	0.009488831	0.000570314	4.246221066	0.000987973	0.011323252	2.04398E-05	2.08198E-05	3.96704E-05	0.073334038	1.97575E-06	8.54493E-05	0.000195034	0.001095404	0
2035 Jan	0.000975926	0.093033433	9.87928E-06	1.115921855	1.797223806	0.009601258	0.000570187	4.251186848	0.000988943	0.011325339	2.09755E-05	2.09397E-05	3.97238E-05	0.073473804	1.97586E-06	8.5462E-05	0.000196134	0.001095711	0
2035 Feb	0.000976738	0.093265481	9.88032E-06	1.117758155	1.80228126	0.009754113	0.000570028	4.258046627	0.00099029	0.011328503	2.17046E-05	2.11042E-05	3.97978E-05	0.073665537	1.97606E-06	8.54815E-05	0.000197634	0.001096169	0
2035 Mar	0.000977482	0.093420796	9.88394E-06	1.119104505	1.80559516	0.009840449	0.000570117	4.263102055	0.000991331	0.01133373	2.21087E-05	2.12005E-05	3.98505E-05	0.073792815	1.97679E-06	8.55185E-05	0.000198512	0.001096758	0
2035 Apr	0.000983593	0.094052948	9.94349E-06	1.126383185	1.817991614	0.009947064	0.000573484	4.29078722	0.000997691	0.011402633	2.24684E-05	2.13788E-05	4.01123E-05	0.074294783	1.9887E-06	8.60371E-05	0.000200169	0.001103473	0
2035 May	0.001024584	0.104209021	1.02107E-05	1.210919261	2.022706509	0.015789293	0.000567802	4.585333347	0.001068884	0.011711037	7.50035E-05	3.35535E-05	4.61785E-05	0.082144938	2.04214E-06	8.77096E-05	0.000266737	0.001172897	0
2035 Jun	0.000794729	0.118035048	9.57576E-06	1.181071043	2.076468229	0.037246328	0.000192342	3.921628475	0.001156314	0.009612489	0.000298044	0.000188568	6.23278E-05	0.082946897	1.91515E-06	5.96224E-05	0.000631638	0.001792331	0
2035 Jul	0.000735343	0.098634385	1.03489E-05	1.005971432	1.503935099	0.020753527	0.000150707	3.178774357	0.001073779	0.009582574	0.000160845	0.000193549	5.02136E-05	0.061383419	2.06978E-06	5.49165E-05	0.0004721	0.001917724	0
2035 Aug	0.000786598	0.089287825	1.04795E-05	1.067594528	1.53645587	0.01547143	0.000294335	3.610787392	0.00105935	0.00934853	9.68185E-05	0.000110247	5.25949E-05	0.065265536	2.09589E-06	5.89833E-05	0.000271404	0.001545336	0
2035 Sep	0.000939211	0.090148792	1.01201E-05	1.127404213	1.752832651	0.010159993	0.000538552	4.20800209	0.001013061	0.010849801	2.56216E-05	2.84962E-05	4.39799E-05	0.072916515	2.02401E-06	8.05282E-05	0.000182402	0.001154085	0
2035 Oct	0.000985269	0.093643621	1.00127E-05	1.129894137	1.81380713	0.009564299	0.000578371	4.300790787	0.001001375	0.011439282	1.96355E-05	2.08149E-05	4.03856E-05	0.074267536	2.00255E-06	8.63922E-05	0.000195629	0.001109832	0
2035 Nov	0.00096724	0.091890313	9.8036E-06	1.106951475	1.779544353	0.00934231	0.000568364	4.217215538	0.000980416	0.011232425	1.89652E-05	2.00441E-05	3.93996E-05	0.072813012	1.96072E-06	8.48936E-05	0.000192233	0.001085193	0
2035 Dec	0.000967962	0.09195862	9.8107E-06	1.10775888	1.780864596	0.009348884	0.000568794	4.220324039	0.000981126	0.011240838	1.89767E-05	2.00557E-05	3.94269E-05	0.072866574	1.96214E-06	8.49577E-05	0.000192378	0.001085967	0
2036 Jan	0.000968673	0.092170082	9.81118E-06	1.109410167	1.785479665	0.009490412	0.000568619	4.226494789	0.000982329	0.011243274	1.96533E-05	2.02075E-05	3.94935E-05	0.073041186	1.96224E-06	8.4972E-05	0.000193763	0.001086337	0
2036 Feb	0.000969608	0.092456117	9.81151E-06	1.111632347	1.791731715	0.009683951	0.000568356	4.234787941	0.000983943	0.011246159	2.05799E-05	2.04153E-05	3.95835E-05	0.073277615	1.9623E-06	8.49881E-05	0.000195652	0.001086812	0
2036 Mar	0.000970133	0.092612669	9.81187E-06	1.112856269	1.795149088	0.009788852	0.000568225	4.239357471	0.000984835	0.011247938	2.10816E-05	2.05281E-05	3.9633E-05	0.073406957	1.96237E-06	8.49984E-05	0.000196677	0.001087089	0
2036 Apr	0.000981066	0.094414972	9.88725E-06	1.129830241	1.832811832	0.01060888	0.000571506	4.303356171	0.000998498	0.011344039	2.48126E-05	2.14843E-05	4.02798E-05	0.074872941	1.97745E-06	8.57025E-05	0.000205443	0.001097129	0
2036 May	0.001020852	0.100824952	1.019E-05	1.190874577	1.964218259	0.013391062	0.000583442	4.530283451	0.001048991	0.011712708	4.11728E-05	2.56324E-05	4.3009E-05	0.080004521	2.038E-06	8.83396E-05	0.000236716	0.001140415	0
2036 Jun	0.000700559	0.093809836	9.96751E-06	0.98874712	1.486867428	0.020198252	0.000182121	3.103609324	0.001047253	0.009519381	0.000141613	0.000195929	4.77027E-05	0.060724702	1.9935E-06	5.72351E-05	0.000500541	0.001917903	0
2036 Jul	0.000773867	0.09254352	1.03442E-05	0.932047606	1.315256357	0.012910538	0.000163676	3.082282782	0.000995538	0.009326418	0.000108229	0.00013876	4.46269E-05	0.05418209	2.06884E-06	5.19454E-05	0.00028057	0.001630048	0
2036 Aug	0.000855448	0.09766978	1.10009E-05	1.016741514	1.441827893	0.01279253	0.000217664	3.46987009	0.001054024	0.009859107	0.000105234	0.000115433	4.85801E-05	0.059907887	2.20018E-06	5.64097E-05	0.000228019	0.001574061	0
2036 Sep	0.000888499	0.091718189	1.0486E-05	1.073015332	1.589807391	0.011099421	0.000389912	3.850913525	0.001026929	0.01020409	5.88752E-05	6.4926E-05	4.66234E-05	0.066485859	2.0972E-06	6.81751E-05	0.000188792	0.001327339	0
2036 Oct	0.000967062	0.093055546	1.00217E-05	1.113690495	1.770521164	0.009711429	0.000546723	4.20725584	0.000998539	0.011213956	2.55731E-05	2.74141E-05	4.08716E-05	0.0726282	2.00435E-06	8.33233E-05	0.000194446	0.00113568	0
2036 Nov	0.000967363	0.092790447	9.96443E-06	1.111683607	1.772814631	0.009611577	0.000552205	4.209251881	0.000993675	0.011222115	2.39092E-05	2.55447E-05	4.04556E-05	0.072662242	1.99289E-06	8.37452E-05	0.000194027	0.001122616	0
2036 Dec	0.000966531	0.092629336	9.93916E-06	1.110076666	1.771771789	0.009574864	0.000553199	4.205821991	0.000991389	0.011213755	2.34263E-05	2.50035E-05	4.03023E-05	0.072602905	1.98783E-06	8.37826E-05	0.000193728	0.001117941	0
2037 Jan	0.000967846	0.093005165	9.94018E-06	1.113044262	1.780037642	0.009823994	0.000552976	4.216991425	0.000993534	0.011218807	2.4605E-05	2.5256E-05	4.0419E-05	0.072915696	1.98804E-06	8.38167E-05	0.000196175	0.001118555	0
2037 Feb	0.00096961	0.09351369	9.94196E-06	1.11705637	1.791156292	0.010160786	0.000552626	4.232013226	0.00099646	0.011225481	2.62084E-05	2.56118E-05	4.05797E-05	0.07333684	1.98839E-06	8.38587E-05	0.000199477	0.001119485	0
2037 Mar	0.000972029	0.093931772	9.95787E-06	1.120924592	1.799916625	0.010359917	0.000553266	4.24657011	0.000999554	0.011245983	2.71232E-05	2.58445E-05	4.07283E-05	0.073676907	1.99157E-06	8.40075E-05	0.000201579	0.001121674	0
2037 Apr	0.000976821	0.094500124	1.00019E-05	1.127066255	1.811235666	0.010510069	0.000555571	4.269782543	0.001004828	0.011297138	2.77412E-05	2.60682E-05	4.09561E-05	0.074129649	2.00038E-06	8.43872E-05	0.000203488	0.001126859	0
2037 May	0.001089181	0.149491847	1.0035E-05	1.521757007	2.940284014	0.050277151	0.000414609	5.585430622	0.001325548	0.011416571	0.000398164	0.000107515	7.66188E-05	0.116531722	2.007E-06	8.09305E-05	0.000641715	0.001409167	0
2037 Jun	0.000967728	0.159222931	9.42036E-06	1.518713593	3.042268753	0.06431555	0.000213027	5.304656982	0.0013702	0.01015042	0.000541918	0.000186793	8.66937E-05	0.1195755	1.88407E-06	6.54959E-05	0.00085506	0.001688737	0
2037 Jul	0.000910132	0.134287298	1.02561E-05	1.30535686	2.352753401	0.042981952	0.000195303	4.459196091	0.001253817	0.01018902	0.000360913	0.000176899	7.05775E-05	0.093649186	2.05122E-06	6.18249E-05	0.000631989	0.001758777	0
2037 Aug	0.000922462	0.123210207	1.06934E-05	1.276877761	2.166078329	0.034071695	0.000257076	4.419939518	0.001222643	0.010214046	0.000276007	0.00013904	6.70437E-05	0.087877668	2.13869E-06	6.32613E-05	0.000478453	0.001638582	0
2037 Sep	0.000938828	0.110251859	1.06524E-05	1.240335703	2.024160862	0.024539355	0.000381786	4.417550087	0.001157479	0.010535567	0.000173478	9.20991E-05	5.93645E-05	0.083229348	2.13047E-06	7.08734E-05	0.000351317	0.001452046	0
2037 Oct	0.000963496	0.09749531	1.00653E-05	1.14780283	1.856206417	0.013668369	0.000518321	4.288685322	0.001032795	0.011086759	6.27628E-05	4.02911E-05	4.50325E-05	0.07601776	2.01305E-06	8.1359E-05	0.000238572	0.001190514	0
2037 Nov	0.000968051	0.096783675	1.00479E-05	1.143856287	1.848416686	0.012870427	0.000530247	4.29061079	0.00102606	0.011159714	5.44253E-05	3.64198E-05	4.4055E-05	0.075673118	2.00958E-06	8.23895E-05	0.000230563	0.001173694	0
2037 Dec	0.000968944	0.096855216	1.00562E-05	1.144769669	1.849871159	0.012869236	0.000530879	4.294291973	0.00102683	0.011170322	5.43447E-05	3.63919E-05	4.40777E-05	0.075732268	2.01124E-06	8.24753E-05	0.000230638	0.001174437	0
2038 Jan	0.000969685	0.097056791	1.00568E-05	1.146367788	1.854324937	0.013000801	0.000530809	4.300382137	0.001027971	0.011173437	5.49396E-05	3.65113E-05	4.41362E-05	0.075900629	2.01135E-06	8.24983E-05	0.000231924	0.001174701	0
2038 Feb	0.000970611	0.097329676	1.00572E-05	1.148500681	1.860316873	0.013183653	0.000530608	4.308403015	0.001029509	0.011176611	5.57974E-05	3.66966E-05	4.42196E-05	0.076127157	2.01143E-06	8.25186E-05	0.000233708	0.001175109	0
2038 Mar	0.000971402	0.09750706	1.00603E-05	1.150001287	1.864130259	0.013287183	0.000530655	4.314042568	0.00103065	0.011181634	5.62814E-05	3.68084E-05	4.42781E-05	0.076273032	2.01207E-06	8.25539E-05	0.000234748	0.001175677	0
2038 Apr	0.000975692	0.097993605	1.01019E-05	1.155402422	1.873672962	0.013398762	0.000532779	4.334310055	0.001035374	0.011228689	5.67799E-05	3.70176E-05	4.44865E-05	0.07665769	2.02038E-06	8.29003E-05	0.00023627	0.001180648	0
2038 May	0.00103594	0.12146239	1.02417E-05	1.329694867	2.355095387	0.029500179	0.00048595	4.927011967	0.00117713	0.011447488	0.000205421	6.93024E-05	5.92276E-05	0.094796725	2.04834E-06	8.28889E-05	0.000414791	0.001304802	0
2038 Jun	0.000972441	0.156228378	9.91319E-06	1.507033587	2.943942308	0.060367826	0.000221793	5.219666004	0.001380745	0.010499883	0.000504481	0.00019374	8.46788E-05	0.116097026	1.98264E-06	6.72794E-05	0.000833511	0.001784398	0
2038 Jul	0.000908706	0.13588658	1.10166E-05	1.342178583	2.351114511	0.04274961	0.000192203	4.447999954	0.001322734	0.010839608	0.000349505	0.000216029	7.20121E-05	0.093926363	2.20333E-06	6.54624E-05	0.000707129	0.002044732	0
2038 Aug	0.00091112	0.118767001	1.12053E-05	1.29545033	2.111809731	0.031311136	0.000287289	4.409087658	0.001253501	0.010518024	0.000238345	0.000150212	6.72693E-05	0.086752005	2.24107E-06	6.62573E-05	0.000481121	0.001771687	0
2038 Sep	0.000932343	0.104368821	1.06497E-05	1.214814663	1.942089438	0.020431807	0.000425545	4.339403152	0.001131201	0.010750544	0.000127923	8.49551E-05	5.52597E-05	0.080211349	2.12994E-06	7.44235E-05	0.000325958	0.00144252	0
2038 Oct	0.00096866	0.097203329	1.01911E-05	1.15536046	1.85605526	0.013086198	0.000529334	4.30965519	0.001040975	0.011225806	5.49089E-05	4.13936E-05	4.49436E-05	0.076144718	2.03823E-06	8.26459E-05	0.000239107	0.001213831	0
2038 Nov	0.000973578	0.097281329	1.02106E-05	1.157276034	1.859496593	0.012851438	0.000535248	4.32418108	0.001041292	0.011284888	5.23021E-05	3.98698E-05	4.47105E-05	0.076265253	2.04211E-06	8.32624E-05	0.000236638	0.001209455	0
2038 Dec	0.000974079	0.097293988	1.02129E-05	1.157515883	1.859915018	0.012830937	0.000535814	4.325744152	0.00104138	0.011290883	5.20693E-05	3.97342E-05	4.4692E-05	0.076280549	2.04258E-06	8.3323E-05	0.000236428	0.001209128	0
2039 Jan	0.000975295	0.097638309	1.02128E-05	1.160191774	1.86754024	0.013059956	0.000535641	4.335999966	0.001043259	0.011295216	5.31116E-05	3.99298E-05	4.47894E-05	0.076567881	2.04256E-06	8.33552E-05	0.000238641	0.001209403	0
2039 Feb	0.000976848	0.098108269	1.02126E-05	1.163828492	1.877874136	0.013378274	0.000535254	4.349703312	0.001045861	0.011299942	5.46088E-05	4.02456E-05	4.49315E-05	0.076957971	2.04253E-06	8.33845E-05	0.00024173	0.001209994	0
2039 Mar	0.000978768	0.098472111	1.02238E-05	1.167089343	1.885567307	0.013566332	0.000535632	4.361950874	0.001048429	0.011314945	5.54841E-05	4.04618E-05	4.50584E-05	0.077255055	2.04476E-06	8.34923E-05	0.000243679	0.001211646	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Apr	0.000983349	0.09903051	1.02666E-05	1.173106432	1.896674752	0.013722087	0.000537754	4.384474277	0.001053627	0.011363789	5.61819E-05	4.07294E-05	4.52912E-05	0.07769978	2.05331E-06	8.3851E-05	0.000245659	0.001216903	0
2039 May	0.001008986	0.103578739	1.04767E-05	1.215141892	1.987422347	0.015806703	0.000542745	4.535309792	0.00108963	0.011604763	7.39922E-05	4.50813E-05	4.78058E-05	0.081235982	2.09534E-06	8.5448E-05	0.00027043	0.001253587	0
2039 Jun	0.000647188	0.085975066	9.90055E-06	0.915172517	1.291295767	0.016159559	0.0001522	2.773037672	0.00100488	0.009199547	0.000108871	0.000204458	4.397E-05	0.053244423	1.98011E-06	5.37356E-05	0.000474788	0.001963364	0
2039 Jul	0.000777078	0.09174946	1.0217E-05	0.919905841	1.299967885	0.012302573	0.000165421	3.07614255	0.000977671	0.009196683	0.000105776	0.000127779	4.39398E-05	0.053546179	2.04341E-06	5.11049E-05	0.000252446	0.001559112	0
2039 Aug	0.000868559	0.089209437	1.06126E-05	1.055395722	1.496067882	0.010604382	0.000329248	3.78422308	0.001019565	0.009325206	6.98044E-05	4.78118E-05	5.06109E-05	0.06391108	2.12252E-06	5.83568E-05	9.14018E-05	0.001224483	0
2039 Sep	0.00090997	0.089680649	1.05316E-05	1.108153224	1.634689569	0.010317035	0.000439243	4.053456306	0.001030795	0.010089814	4.59997E-05	3.53235E-05	4.87302E-05	0.069218807	2.10632E-06	6.93788E-05	0.000124001	0.001191521	0
2039 Oct	0.000945569	0.091505699	1.02558E-05	1.115830064	1.718241811	0.009907046	0.000505792	4.164875507	0.001013818	0.010731215	3.31515E-05	2.80097E-05	4.44954E-05	0.071499057	2.05116E-06	7.75281E-05	0.000158149	0.00114787	0
2039 Nov	0.000950409	0.091938742	1.02939E-05	1.120793104	1.727446795	0.009940695	0.000509415	4.185203075	0.001017806	0.010791308	3.30141E-05	2.79708E-05	4.45944E-05	0.071856037	2.05877E-06	7.80389E-05	0.000159573	0.001151852	0
2039 Dec	0.000951291	0.092016928	1.03005E-05	1.121681452	1.729135036	0.009946448	0.000510099	4.188888073	0.001018506	0.010802386	3.29821E-05	2.79596E-05	4.46095E-05	0.071920939	2.06009E-06	7.81346E-05	0.000159846	0.001152536	0
2040 Jan	0.000952153	0.092264339	1.02998E-05	1.123579264	1.734654903	0.010111367	0.000510018	4.196164131	0.001019826	0.010806099	3.37461E-05	2.81201E-05	4.46758E-05	0.072127469	2.05997E-06	7.81656E-05	0.000161544	0.001152812	0
2040 Feb	0.000953307	0.092604078	1.03E-05	1.126218438	1.742130995	0.010338662	0.000509796	4.206110001	0.001021719	0.010810396	3.4821E-05	2.83565E-05	4.47775E-05	0.072409272	2.06001E-06	7.81952E-05	0.000163808	0.001153336	0
2040 Mar	0.000955092	0.092900559	1.03127E-05	1.129016757	1.748295307	0.010474197	0.000510296	4.216608524	0.001023987	0.010825877	3.54448E-05	2.85189E-05	4.4887E-05	0.072649837	2.06254E-06	7.83064E-05	0.000165232	0.001155023	0
2040 Apr	0.000959546	0.093402453	1.03571E-05	1.1346668	1.758066773	0.010587787	0.000512422	4.237737179	0.001028961	0.010873717	3.59214E-05	2.87128E-05	4.51106E-05	0.073047191	2.07142E-06	7.8652E-05	0.000166625	0.001160147	0
2040 May	0.001017012	0.114403673	1.0487E-05	1.290773392	2.190948963	0.02473077	0.000477181	4.773505688	0.001155033	0.011150747	0.000165553	5.74349E-05	5.77972E-05	0.089290984	2.0974E-06	7.95093E-05	0.000328516	0.001273502	0
2040 Jun	0.000899101	0.146122664	9.73782E-06	1.408527374	2.694002151	0.055557419	0.000178607	4.783258915	0.001321114	0.009998845	0.000464818	0.000204078	7.97683E-05	0.106484018	1.94756E-06	6.21142E-05	0.000801515	0.001828968	0
2040 Jul	0.000802774	0.116206534	1.04434E-05	1.156029582	1.909029722	0.032324463	0.000155265	3.746911049	0.0011804	0.009923431	0.000262676	0.000203979	6.09991E-05	0.076842688	2.08868E-06	5.7918E-05	0.000588795	0.00194947	0
2040 Aug	0.000848324	0.10801883	1.07282E-05	1.137622476	1.780779958	0.024201117	0.00022646	3.837492228	0.001138798	0.009892922	0.000191187	0.000144673	5.79505E-05	0.073108323	2.14565E-06	5.917E-05	0.000398196	0.00169289	0
2040 Sep	0.000854717	0.093724608	1.04483E-05	1.134117961	1.712839246	0.016777931	0.000373803	3.987457037	0.001076771	0.009793386	0.000101164	8.05539E-05	5.39204E-05	0.072167091	2.08966E-06	6.55996E-05	0.000251986	0.00140021	0
2040 Oct	0.000909792	0.09428855	1.0331E-05	1.138140082	1.761553407	0.014123277	0.000454125	4.128345013	0.001053188	0.010483311	7.0761E-05	5.81766E-05	4.89501E-05	0.07336133	2.0662E-06	7.397E-05	0.000232544	0.001296066	0
2040 Nov	0.000917894	0.094691887	1.036E-05	1.142772555	1.772326827	0.013951374	0.00046265	4.15585947	0.001055159	0.010581353	6.84491E-05	5.64981E-05	4.87131E-05	0.073739208	2.072E-06	7.49589E-05	0.000231772	0.00129212	0
2040 Dec	0.000918574	0.094731025	1.03632E-05	1.143227935	1.773290992	0.013940522	0.000463312	4.15828228	0.001055414	0.010589532	6.82904E-05	5.63835E-05	4.87013E-05	0.073774271	2.07264E-06	7.50379E-05	0.000231742	0.001291975	0
2041 Jan	0.000919557	0.094968505	1.03637E-05	1.145095706	1.778584599	0.014088636	0.000463386	4.165653706	0.001056697	0.010594673	6.8942E-05	5.64815E-05	4.87606E-05	0.073972762	2.07274E-06	7.50821E-05	0.000233213	0.001292092	0
2041 Feb	0.000920727	0.095287956	1.03645E-05	1.147605538	1.785608172	0.014296615	0.00046326	4.175215721	0.001058492	0.010599633	6.99088E-05	5.66758E-05	4.88543E-05	0.074237801	2.07291E-06	7.51181E-05	0.000235258	0.001292526	0
2041 Mar	0.000922235	0.095552027	1.03748E-05	1.150057793	1.791121483	0.014423391	0.00046363	4.184371948	0.001060471	0.010612358	7.05014E-05	5.68353E-05	4.89515E-05	0.074452341	2.07496E-06	7.52088E-05	0.000236594	0.001293986	0
2041 Apr	0.000925603	0.095962502	1.04089E-05	1.154583216	1.799137712	0.014535013	0.000465101	4.200971127	0.001064482	0.010648459	7.10315E-05	5.70807E-05	4.914E-05	0.074777193	2.08177E-06	7.54649E-05	0.000238	0.001298335	0
2041 May	0.00095721	0.104783691	1.05432E-05	1.223783135	1.980059981	0.019953504	0.000457567	4.445504189	0.001120527	0.010855085	0.000120173	6.73323E-05	5.42713E-05	0.081617698	2.10863E-06	7.65769E-05	0.000299353	0.001346436	0
2041 Jun	0.000654442	0.087211959	9.91539E-06	0.930835545	1.327031612	0.017085105	0.000154399	2.840372801	0.001013914	0.009170735	0.000117384	0.000201317	4.53343E-05	0.054755393	1.98308E-06	5.36025E-05	0.000473265	0.00194558	0
2041 Jul	0.000760788	0.091777831	1.0342E-05	0.926707685	1.299300432	0.012950399	0.000157438	3.033179998	0.000996512	0.009308282	0.000107071	0.000146175	4.44761E-05	0.053568423	2.06839E-06	5.17183E-05	0.000296053	0.001670235	0
2041 Aug	0.000840723	0.095098726	1.08941E-05	1.016249776	1.433530331	0.012512507	0.000230927	3.466080189	0.001046816	0.009720572	9.78326E-05	0.000111571	4.87051E-05	0.059922159	2.17881E-06	5.64509E-05	0.000222284	0.001553366	0
2041 Sep	0.000867093	0.091398828	1.07387E-05	1.072992444	1.545728087	0.011594444	0.000347501	3.777017832	0.001047303	0.009947591	6.76502E-05	7.74819E-05	4.91901E-05	0.065262735	2.14774E-06	6.40322E-05	0.000188578	0.001404679	0
2041 Oct	0.000924436	0.092547983	1.038E-05	1.098997951	1.67403543	0.010593997	0.000458298	4.025670528	0.001024015	0.010672768	4.45895E-05	5.02371E-05	4.48018E-05	0.0695251	2.07599E-06	7.48345E-05	0.000192394	0.001261757	0
2041 Nov	0.000934556	0.093182579	1.0411E-05	1.107552767	1.694378734	0.010573314	0.000470106	4.069653511	0.001028068	0.010794811	4.29484E-05	4.82839E-05	4.47013E-05	0.070282064	2.08219E-06	7.61616E-05	0.00019383	0.001257334	0
2041 Dec	0.000935551	0.093259141	1.04171E-05	1.108523846	1.696301699	0.010576414	0.000471011	4.073977947	0.001028735	0.010806606	4.28671E-05	4.8186E-05	4.47137E-05	0.0703566	2.08342E-06	7.62729E-05	0.000193997	0.001257584	0
2042 Jan	0.000936809	0.093567319	1.04183E-05	1.111032128	1.703252316	0.010771179	0.00047112	4.083724976	0.001030485	0.010813306	4.37499E-05	4.83326E-05	4.48011E-05	0.070619017	2.08366E-06	7.63309E-05	0.000195948	0.001257907	0
2042 Feb	0.000938158	0.093959652	1.04182E-05	1.114103794	1.711968064	0.011034653	0.000470904	4.095385551	0.00103266	0.010818146	4.4987E-05	4.85809E-05	4.49186E-05	0.070947893	2.08365E-06	7.63666E-05	0.000198535	0.001258364	0
2042 Mar	0.00093957	0.094241127	1.04257E-05	1.116580367	1.717950821	0.011186159	0.000471126	4.104690552	0.00103459	0.010828582	4.56935E-05	4.87512E-05	4.5015E-05	0.071178205	2.08514E-06	7.64411E-05	0.000200088	0.001259519	0
2042 Apr	0.00094743	0.095109619	1.05083E-05	1.126378655	1.734270453	0.011356886	0.000474789	4.140825272	0.001043459	0.010915824	4.64411E-05	4.92146E-05	4.54081E-05	0.071844302	2.10165E-06	7.70575E-05	0.000202479	0.001269634	0
2042 May	0.001012678	0.115769118	1.07172E-05	1.286515117	2.164769173	0.024796011	0.000450417	4.701127529	0.001171626	0.01128104	0.000168626	7.45523E-05	5.78527E-05	0.088101327	2.14343E-06	7.88145E-05	0.000353865	0.001376865	0
2042 Jun	0.000702563	0.095394187	1.0088E-05	1.001051426	1.504250169	0.021166401	0.000168213	3.128799677	0.001063469	0.009492547	0.000153733	0.000200515	4.94894E-05	0.061512016	2.0176E-06	5.61995E-05	0.00050741	0.001945862	0
2042 Jul	0.000777249	0.092008695	1.02543E-05	0.92322731	1.304100394	0.012434698	0.000165023	3.080224514	0.000982295	0.009231318	0.000106423	0.000130121	4.41295E-05	0.053718802	2.05086E-06	5.13055E-05	0.00025819	0.001575011	0
2042 Aug	0.000785844	0.075561009	1.00805E-05	1.073567986	1.489210844	0.009994354	0.000413726	3.817573071	0.000996951	0.008661808	3.16413E-05	3.22968E-05	5.23862E-05	0.065670952	2.0161E-06	6.00175E-05	8.47845E-05	0.001151604	0
2042 Sep	0.000847205	0.079328455	1.00173E-05	1.10889256	1.618098736	0.009668448	0.00049882	4.047428131	0.001000712	0.009545842	1.79046E-05	2.11477E-05	4.91336E-05	0.069864795	2.00346E-06	7.02306E-05	0.000114146	0.001110371	0
2042 Oct	0.000928493	0.08773458	9.93637E-06	1.113999009	1.730081439	0.009497628	0.000546439	4.179412842	0.000993248	0.010672651	1.84481E-05	2.0298E-05	4.32085E-05	0.072144769	1.98727E-06	7.99823E-05	0.000163962	0.00109929	0
2042 Nov	0.000935828	0.088443674	9.99389E-06	1.120760202	1.742877603	0.009550542	0.000550751	4.207268715	0.000999011	0.010761211	1.85702E-05	2.04004E-05	4.33356E-05	0.072625652	1.99878E-06	8.06748E-05	0.00016604	0.001105607	0
2042 Dec	0.000936565	0.088515028	9.99962E-06	1.121435285	1.74416256	0.009555811	0.000551185	4.210057735	0.000999586	0.010770127	1.85824E-05	2.04105E-05	4.33479E-05	0.072673798	1.99992E-06	8.07446E-05	0.000166251	0.001106236	0
2043 Jan	0.000937452	0.08875601	1.00003E-05	1.123259068	1.749332905	0.009709146	0.000551063	4.216999054	0.001000908	0.010774335	1.93168E-05	2.05752E-05	4.34144E-05	0.072867364	2.00007E-06	8.07732E-05	0.000167813	0.00110666	0
2043 Feb	0.000938511	0.089067861	1.00008E-05	1.125652194	1.756103873	0.009916089	0.000550816	4.225995064	0.001002642	0.010778216	2.03082E-05	2.07976E-05	4.35079E-05	0.07312236	2.00015E-06	8.07971E-05	0.000169863	0.001107177	0
2043 Mar	0.000939394	0.089267015	1.00043E-05	1.12732482	1.760369778	0.01003219	0.000550861	4.232280254	0.001003916	0.01078385	2.08555E-05	2.09257E-05	4.3573E-05	0.073285304	2.00085E-06	8.08365E-05	0.000171037	0.00110782	0
2043 Apr	0.000946876	0.090044037	1.00806E-05	1.136654377	1.775886774	0.010173248	0.000554978	4.267309666	0.0010121	0.010867153	2.13241E-05	2.11545E-05	4.39339E-05	0.073922887	2.01611E-06	8.14593E-05	0.00017298	0.001116415	0
2043 May	0.001010061	0.110107258	1.03401E-05	1.288117647	2.179023743	0.022913339	0.000525245	4.788794994	0.0011375	0.011236895	0.000138458	4.77654E-05	5.5842E-05	0.089110069	2.06801E-06	8.28343E-05	0.000318235	0.001234607	0
2043 Jun	0.000889222	0.141468585	9.96345E-06	1.380141973	2.581847906	0.051665433	0.00018716	4.653072834	0.001309666	0.010140035	0.000427498	0.000206245	7.69316E-05	0.102377191	1.99269E-06	6.29723E-05	0.000775051	0.001875962	0
2043 Jul	0.000836235	0.108845167	1.06524E-05	1.083338261	1.691956043	0.023305409	0.000175934	3.611748219	0.001114182	0.009892561	0.000194706	0.000159782	5.46806E-05	0.068674833	2.13048E-06	5.66871E-05	0.000413557	0.001747091	0
2043 Aug	0.000847678	0.095579527	1.07432E-05	1.113141298	1.639895678	0.016746994	0.000306266	3.85392189	0.001088073	0.009607374	0.000115004	9.40663E-05	5.50843E-05	0.069244072	2.14863E-06	6.02632E-05	0.000241444	0.001471786	0
2043 Sep	0.000845093	0.084662557	1.03555E-05	1.120030522	1.629262447	0.012274594	0.000432217	4.002904415	0.001040476	0.009523386	5.16971E-05	4.67146E-05	5.22999E-05	0.070087358	2.0711E-06	6.63808E-05	0.000154899	0.001246269	0
2043 Oct	0.000912815	0.088969514	1.01659E-05	1.122689962	1.717430115	0.010924301	0.000503288	4.142259598	0.001019156	0.01045093	3.59597E-05	3.38482E-05	4.63179E-05	0.072018243	2.03319E-06	7.61186E-05	0.000174746	0.001176349	0
2043 Nov	0.000946737	0.091045566	1.00376E-05	1.121164918	1.760201931	0.010171382	0.000540082	4.206110477	0.001005042	0.010920922	2.74247E-05	2.68586E-05	4.29879E-05	0.072864503	2.00751E-06	8.11412E-05	0.00018493	0.001135756	0
2043 Dec	0.000947407	0.091105886	1.0043E-05	1.121813178	1.761377335	0.010174687	0.000540526	4.208785534	0.001005579	0.010928929	2.7411E-05	2.68499E-05	4.30014E-05	0.072909936	2.00859E-06	8.1206E-05	0.000185074	0.001136277	0
2044 Jan	0.000948106	0.091277979	1.00445E-05	1.12318933	1.765100479	0.010280337	0.000540516	4.214019299	0.001006589	0.010932806	2.79067E-05	2.69573E-05	4.30523E-05	0.073050641	2.0089E-06	8.1234E-05	0.000186142	0.001136652	0
2044 Feb	0.000949439	0.091551483	1.00512E-05	1.125571012	1.770928264	0.010430587	0.000540696	4.222969055	0.001008434	0.010942358	2.86087E-05	2.71248E-05	4.3145E-05	0.073274598	2.01023E-06	8.1302E-05	0.000187675	0.001137714	0
2044 Mar	0.000951129	0.091792986	1.0065E-05	1.128008366	1.775891066	0.010522665	0.000541344	4.232120991	0.001010461	0.010958678	2.90185E-05	2.72432E-05	4.32393E-05	0.07347063	2.013E-06	8.14217E-05	0.000188698	0.001139449	0
2044 Apr	0.000954592	0.092170969	1.00994E-05	1.132357121	1.783365607	0.010601925	0.00054314	4.248441696	0.00101427	0.010996821	2.9324E-05	2.73815E-05	4.34064E-05	0.07377468	2.01988E-06	8.17042E-05	0.000189768	0.001143436	0
2044 May	0.000980912	0.095885158	1.03434E-05	1.170179248	1.856807828	0.011913382	0.000552687	4.386443615	0.001047211	0.011269132	3.97911E-05	3.01789E-05	4.53712E-05	0.076690108	2.06868E-06	8.36179E-05	0.00020612	0.001178335	0
2044 Jun	0.000717949	0.095655598	9.73827E-06	1.01326704	1.574142456	0.022021661	0.000203308	3.260863066	0.001044758	0.009403279	0.00015878	0.000178843	4.94785E-05	0.064172581	1.94765E-06	5.77525E-05	0.000487457	0.00180567	0
2044 Jul	0.000709505	0.094199829	1.07595E-05	0.983681619	1.383020759	0.017414873	0.000145208	2.995399952	0.001084272	0.009836127	0.000125212	0.000215756	4.8082E-05	0.057005852	2.1519E-06	5.59617E-05	0.000487623	0.002087813	0
2044 Aug	0.000789423	0.097615831	1.14325E-05	1.078860402	1.514722705	0.016862465	0.000218136	3.429024935	0.001144642	0.010324805	0.000113794	0.000185805	5.26341E-05	0.063362442	2.2865E-06	6.10492E-05	0.00042066	0.00200798	0
2044 Sep	0.000877713	0.0858147	1.01782E-05	1.108554482	1.659201786	0.010603959	0.000484184	4.028567314	0.001018022	0.010198121	3.10814E-05	4.37374E-05	4.68453E-05	0.070152074	2.03564E-06	7.37465E-05	0.000181545	0.001231552	0
2044 Oct	0.000945835	0.09067411	1.00137E-05	1.116978884	1.754793406	0.009840471	0.000545216	4.190392971	0.00100144	0.010987834	2.31401E-05	2.8219E-05	4.22033E-05	0.072549112	2.00274E-06	8.19326E-05	0.000190625	0.001143952	0
2044 Nov	0.000956278	0.091504432	1.00337E-05	1.121947885	1.77102077	0.009798592	0.000553461	4.222349167	0.001003427	0.011108989	2.24132E-05	2.6736E-05	4.18839E-05	0.073060997	2.00674E-06	8.30709E-05	0.000192255	0.001139202	0
2044 Dec	0.000956852	0.091556698	1.00383E-05	1.122508049	1.772034764	0.009802162	0.000553827	4.224662781	0.00100389	0.01111565	2.24116E-05	2.67245E-05	4.1897E-05	0.073100388	2.00767E-06	8.31243E-05	0.000192363	0.001139619	0
2045 Jan	0.000957601	0.091775574	1.00383E-05	1.124178529	1.776813984	0.009947723	0.000553671	4.231003761	0.001005082	0.011118311	2.31053E-05	2.68684E-05	4.19607E-05	0.073280036	2.00766E-06	8.31419E-05	0.000193795	0.001139887	0
2045 Feb	0.000958566	0.092068657	1.00384E-05	1.126436114	1.783220887	0.010145512	0.000553414	4.239479542	0.001006709	0.011121349	2.40511E-05	2.70745E-05	4.20503E-05	0.073521741	2.00767E-06	8.31599E-05	0.000195729	0.001140315	0
2045 Mar	0.000960012	0.092316769	1.0048E-05	1.12874794	1.788424492	0.010263023	0.000553806	4.248169422	0.001008562	0.011133685	2.45894E-05	2.72129E-05	4.21396E-05	0.073724039	2.00961E-06	8.32495E-05	0.00019697	0.001141643	0
2045 Apr	0.000963638	0.092727698	1.00829E-05	1.133359909	1.796612263	0.010360113	0.000555644	4.265519619	0.001012562	0.011173191	2.49689E-05	2.73713E-05	4.23134E-05	0.074054584	2.01657E-06	8.35434E-05	0.000198254	0.00114573	0
2045 May	0.00098557	0.094866596	1.03111E-05	1.159315586	1.838138938	0.010621972	0.000568171	4.363177776	0.001035705	0.011426447	2.56959E-05	2.80261E-05	4.32865E-05	0.075763211	2.06222E-06	8.54358E-05	0.000203018	0.001171756	0
2045 Jun	0.00067237	0.084886193	1.00079E-05	0.924479723	1.294742227	0.014183447	0.000191203	2.859840631	0.001001696	0.009427682	8.77155E-05	0.000189205	4.28289E-05	0.053585932	2.00157E-06	5.66781E-05	0.000439165	0.00190697	0
2045 Jul	0.000711821	0.092080824	1.07572E-05	0.950753629	1.301560283	0.015012255	0.000133781	2.908207178	0.001058067	0.009686002	0.000111169	0.000204075	4.6254E-05	0.053816438	2.15145E-06	5.38569E-05	0.000433731	0.002022229	0
2045 Aug	0.000777555	0.091092288	1.10015E-05	1.034101486	1.426294327	0.013808881	0.000235589	3.365881205	0.001081027	0.009769404	8.98603E-05	0.00014959	5.02745E-05	0.060298484	2.2003E-06	5.82138E-05	0.000321236	0.001786152	0
2045 Sep	0.000843621	0.086651966	1.04724E-05	1.087921381	1.578455925	0.011399898	0.000406746	3.829548836	0.001039302	0.009976533	4.7349E-05	7.38844E-05	4.85538E-05	0.067026921	2.09447E-06	6.82069E-05	0.000212517	0.001393907	0
2045 Oct	0.00088696	0.089299642	1.04731E-05	1.109389067	1.651955724	0.01107558	0.000452321	3.98309803	0.001041155	0.010440335	4.12015E-05	6.20279E-05	4.70641E-05	0.069471322	2.09463E-06	7.33436E-05	0.000211141	0.001340971	0
2045 Nov	0.000891023	0.089668445	1.05091E-05	1.113702536	1.659354329	0.01110599	0.000454945	4.000380993	0.001044774	0.010487076	4.11986E-05	6.19623E-05	4.71907E-05	0.069767274	2.10182E-06	7.37161E-05	0.000211834	0.001344332	0
2045 Dec	0.000892124	0.089757495	1.05156E-05	1.11466372	1.661313176	0.011108742	0.000455805	4.004803658	0.001045443	0.010499447	4.1146E-05	6.18502E-05	4.7201E-05	0.069841437	2.10312E-06	7.38268E-05	0.000211947	0.001344491	0
2046 Jan	0.000893184	0.090009026	1.05159E-05	1.116626501	1.666917443	0.011264445	0.000455902	4.012626648	0.001046777	0.010504978	4.18602E-05	6.19393E-05	4.72646E-05	0.070051149	2.10319E-06	7.3875E-05	0.000213478	0.001344523	0
2046 Feb	0.000894432	0.090340778	1.05171E-05	1.11924088	1.674200416	0.011477978	0.000455801	4.022619247	0.001048647	0.010510538	4.28659E-05	6.21331E-05	4.73629E-05	0.070326015	2.10342E-06	7.39158E-05	0.000215575	0.00134497	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Mar	0.000896583	0.090670332	1.0535E-05	1.122507215	1.680927396	0.011613399	0.000456496	4.034685135	0.001051392	0.010530847	4.34853E-05	6.23411E-05	4.74943E-05	0.070591621	2.10701E-06	7.40595E-05	0.000217073	0.001347425	0
2046 Apr	0.000903635	0.091447718	1.06137E-05	1.131664753	1.695693254	0.011766437	0.000459856	4.067786217	0.001059788	0.010610829	4.41227E-05	6.28649E-05	4.78779E-05	0.07120204	2.12274E-06	7.46226E-05	0.000219342	0.001357576	0
2046 May	0.000950575	0.104239054	1.08061E-05	1.231884718	1.958377838	0.019562142	0.000450166	4.424889088	0.001140394	0.01091837	0.000114874	7.70678E-05	5.52396E-05	0.081125043	2.16121E-06	7.63367E-05	0.00030704	0.001423915	0
2046 Jun	0.000668341	0.092907213	9.7933E-06	0.972494006	1.460757971	0.021501504	0.000147206	3.003885984	0.001039617	0.009128343	0.000158006	0.000203774	4.89518E-05	0.059755795	1.95866E-06	5.34097E-05	0.000513256	0.001932587	0
2046 Jul	0.000742696	0.090788893	1.02892E-05	0.920541763	1.286128402	0.013239341	0.000151291	2.97614789	0.000996029	0.009263564	0.000107083	0.000155023	4.43148E-05	0.053047113	2.05784E-06	5.14923E-05	0.000318376	0.001714108	0
2046 Aug	0.000803718	0.08887618	1.05836E-05	1.016630888	1.422847867	0.01211578	0.000265741	3.46592617	0.00102808	0.00936678	8.14949E-05	0.000101613	4.90744E-05	0.060310863	2.11672E-06	5.66937E-05	0.000211789	0.001496046	0
2046 Sep	0.000894825	0.086429968	1.01639E-05	1.108481884	1.667313337	0.010069871	0.000493942	4.070363998	0.001011235	0.010258481	2.84839E-05	3.40133E-05	4.62488E-05	0.070355497	2.03277E-06	7.43702E-05	0.000160132	0.001178661	0
2046 Oct	0.000958962	0.091429733	9.97554E-06	1.116951823	1.768663645	0.009583171	0.000555873	4.219756126	0.000996231	0.01110453	2.13099E-05	2.34668E-05	4.13391E-05	0.072865859	1.99511E-06	8.31765E-05	0.000186218	0.001116569	0
2046 Nov	0.000964446	0.091892034	9.98613E-06	1.119742155	1.777858257	0.009576731	0.000560397	4.236673355	0.000997494	0.011173648	2.09647E-05	2.2943E-05	4.11586E-05	0.073154226	1.99723E-06	8.38283E-05	0.000188023	0.001115526	0
2046 Dec	0.000965305	0.091972865	9.99423E-06	1.120677948	1.779426217	0.009584211	0.000560919	4.24032402	0.000998307	0.011183699	2.09754E-05	2.29521E-05	4.11882E-05	0.073217191	1.99885E-06	8.3906E-05	0.000188203	0.001116392	0
2047 Jan	0.00096605	0.092176348	9.9952E-06	1.122278929	1.783850908	0.009715571	0.000560819	4.246360779	0.000999475	0.011187007	2.15998E-05	2.30894E-05	4.12502E-05	0.073384382	1.99904E-06	8.39283E-05	0.000189508	0.001116778	0
2047 Feb	0.000967095	0.09245576	9.99728E-06	1.124517322	1.789914966	0.009894196	0.000560695	4.254750252	0.00100113	0.01119187	2.24493E-05	2.32813E-05	4.1339E-05	0.073614493	1.99946E-06	8.39602E-05	0.000191275	0.001117401	0
2047 Mar	0.000970494	0.092878938	1.00277E-05	1.12902987	1.798465371	0.010020811	0.000562267	4.271780968	0.001004963	0.011227259	2.29795E-05	2.34543E-05	4.15085E-05	0.07395561	2.00553E-06	8.42232E-05	0.000192801	0.00112101	0
2047 Apr	0.00097446	0.093314447	1.00659E-05	1.133962274	1.807102442	0.010114157	0.000564337	4.290418625	0.001009248	0.011270877	2.33309E-05	2.36022E-05	4.16918E-05	0.074304767	2.01318E-06	8.4549E-05	0.000194076	0.001125408	0
2047 May	0.001022619	0.11308217	1.01682E-05	1.278376102	2.20918417	0.023778409	0.000520876	4.777215004	0.001127616	0.011426709	0.000149966	5.18302E-05	5.41185E-05	0.089424632	2.03365E-06	8.41917E-05	0.000346139	0.001232621	0
2047 Jun	0.000950188	0.152265951	9.80942E-06	1.472212672	2.859252691	0.058360416	0.000216481	5.082494736	0.001354761	0.010342962	0.000486713	0.000192938	8.25364E-05	0.112842433	1.96188E-06	6.60944E-05	0.00081527	0.001776264	0
2047 Jul	0.000853675	0.123932466	1.07085E-05	1.23137641	2.083747864	0.035877131	0.000178571	4.0480299	0.001235537	0.010349712	0.000291942	0.000204033	6.50213E-05	0.083620504	2.14169E-06	6.15578E-05	0.000623271	0.001968237	0
2047 Aug	0.000872857	0.112692766	1.09925E-05	1.233088136	1.970719814	0.028262261	0.000271255	4.163483143	0.001207832	0.010238913	0.000212917	0.000150696	6.35426E-05	0.081176214	2.1985E-06	6.38858E-05	0.000456045	0.001760363	0
2047 Sep	0.000877097	0.089034669	1.0183E-05	1.137278438	1.730762362	0.013668953	0.000465986	4.114285469	0.00104218	0.010041442	6.00608E-05	4.86737E-05	5.03595E-05	0.073080368	2.0366E-06	7.19902E-05	0.000204611	0.001245236	0
2047 Oct	0.000935521	0.091023698	9.95483E-06	1.119781375	1.765007138	0.010981944	0.000531329	4.18572855	0.001004598	0.010811031	3.44536E-05	3.07142E-05	4.3494E-05	0.073040619	1.99097E-06	8.02704E-05	0.000197639	0.001145816	0
2047 Nov	0.000945422	0.091520973	9.953E-06	1.120605707	1.774104357	0.010672758	0.00054101	4.206070423	0.001002577	0.010937365	3.1317E-05	2.8532E-05	4.27457E-05	0.073233321	1.9906E-06	8.15321E-05	0.000197295	0.001136378	0
2047 Dec	0.000946278	0.091598071	9.96069E-06	1.121484756	1.775592089	0.010677215	0.000541548	4.209582806	0.001003329	0.010947405	3.13025E-05	2.85272E-05	4.27697E-05	0.073292479	1.99214E-06	8.16109E-05	0.000197443	0.001137143	0
2048 Jan	0.000947235	0.091816142	9.96383E-06	1.123280168	1.78028059	0.010805477	0.000541598	4.216402531	0.001004672	0.010953343	3.18998E-05	2.86579E-05	4.28366E-05	0.073470622	1.99277E-06	8.16537E-05	0.00019874	0.001137727	0
2048 Feb	0.000948572	0.092120163	9.96901E-06	1.125834346	1.786809444	0.010983955	0.000541659	4.226000786	0.001006612	0.010961716	3.2739E-05	2.8852E-05	4.29363E-05	0.073720068	1.9938E-06	8.17122E-05	0.000200535	0.001138682	0
2048 Mar	0.000949117	0.092267185	9.96994E-06	1.127003193	1.790002465	0.011078351	0.00054159	4.23039484	0.001007471	0.010964182	3.31864E-05	2.89514E-05	4.29822E-05	0.073841035	1.99399E-06	8.17285E-05	0.000201468	0.001138985	0
2048 Apr	0.00095633	0.093304649	1.00286E-05	1.137434363	1.8113483	0.01147733	0.000544347	4.269571781	0.001016131	0.011033821	3.49703E-05	2.94677E-05	4.33845E-05	0.074683174	2.00571E-06	8.22401E-05	0.00020592	0.001146384	0
2048 May	0.000981724	0.095960096	1.02862E-05	1.168626308	1.863498926	0.011947416	0.000558071	4.386606693	0.001043668	0.011319815	3.67758E-05	3.04222E-05	4.45844E-05	0.076813385	2.05724E-06	8.43664E-05	0.000212946	0.001176278	0
2048 Jun	0.000667419	0.083705336	9.73946E-06	0.914555967	1.297901154	0.014283968	0.000198584	2.862107992	0.000980097	0.009231186	8.83669E-05	0.000178335	4.22644E-05	0.053663541	1.94789E-06	5.60818E-05	0.000423026	0.001826364	0
2048 Jul	0.00075952	0.092883982	1.05446E-05	0.94221729	1.314652443	0.013516095	0.000154519	3.042518616	0.001020428	0.009492066	0.000109085	0.000159625	4.53434E-05	0.054233097	2.10892E-06	5.27535E-05	0.000327484	0.001760979	0
2048 Aug	0.000807767	0.083965115	1.04144E-05	1.045666575	1.460847139	0.011083672	0.00033213	3.652456045	0.001016587	0.009107468	6.06852E-05	6.73571E-05	5.06355E-05	0.06297119	2.08289E-06	5.8306E-05	0.000145686	0.001327017	0
2048 Sep	0.000879155	0.084450245	1.01734E-05	1.108555794	1.64480722	0.010012197	0.000486671	4.054695129	0.00101152	0.00999485	2.75281E-05	3.12408E-05	4.76153E-05	0.06998568	2.03468E-06	7.22362E-05	0.000142424	0.001165421	0
2048 Oct	0.000935743	0.089244545	9.97748E-06	1.110775948	1.731871247	0.009619827	0.000538135	4.166155815	0.000995383	0.010781318	2.22894E-05	2.43826E-05	4.27231E-05	0.07191401	1.9955E-06	8.01905E-05	0.000172987	0.001119281	0
2048 Nov	0.000949282	0.090437196	9.99106E-06	1.116219521	1.754038453	0.009599622	0.000549018	4.203448772	0.000997295	0.010959317	2.15341E-05	2.33719E-05	4.2118E-05	0.072558448	1.99821E-06	8.18588E-05	0.000178779	0.00111685	0
2048 Dec	0.000950045	0.090508781	9.99764E-06	1.116999507	1.755416036	0.009605581	0.000549493	4.206572533	0.000997958	0.010968364	2.15396E-05	2.33757E-05	4.21384E-05	0.072612382	1.99953E-06	8.19302E-05	0.000178959	0.001117543	0
2049 Jan	0.000950892	0.090732202	9.99888E-06	1.118751287	1.760256171	0.009747146	0.000549416	4.213212967	0.000999236	0.01097252	2.22112E-05	2.35232E-05	4.22043E-05	0.072794862	1.99978E-06	8.19592E-05	0.000180383	0.001117977	0
2049 Feb	0.000951907	0.091022782	9.99983E-06	1.121022582	1.766583443	0.009938399	0.00054922	4.221739292	0.001000891	0.010976512	2.31236E-05	2.37267E-05	4.22939E-05	0.073033966	1.99997E-06	8.19846E-05	0.000182272	0.001118504	0
2049 Mar	0.000953506	0.091281138	1.00113E-05	1.123492002	1.771972299	0.010053528	0.000549717	4.231024265	0.001002893	0.01099075	2.36461E-05	2.38637E-05	4.23892E-05	0.073244505	2.00227E-06	8.20885E-05	0.000183501	0.001120021	0
2049 Apr	0.000959495	0.091914669	1.00712E-05	1.130882859	1.784484506	0.010172926	0.000552926	4.258849144	0.001009375	0.011057372	2.4071E-05	2.40691E-05	4.26692E-05	0.073754698	2.01424E-06	8.25847E-05	0.000185181	0.001126847	0
2049 May	0.000990649	0.097997509	1.03112E-05	1.185155869	1.906245947	0.013188943	0.000556396	4.452133656	0.00105557	0.011335577	5.04157E-05	3.03411E-05	4.61092E-05	0.078470722	2.06225E-06	8.4362E-05	0.000220533	0.001173202	0
2049 Jun	0.000647827	0.086255029	9.80258E-06	0.918315351	1.310252428	0.016730426	0.000154845	2.799814463	0.001001511	0.009127073	0.000114186	0.000200553	4.43554E-05	0.053973835	1.96052E-06	5.35358E-05	0.000472908	0.001932765	0
2049 Jul	0.000758459	0.092181556	1.04243E-05	0.933275998	1.305781722	0.013251567	0.000155864	3.032967091	0.001007142	0.009386112	0.000108068	0.000152994	4.48551E-05	0.053849481	2.08487E-06	5.21841E-05	0.00031255	0.001714597	0
2049 Aug	0.000840906	0.095518745	1.10379E-05	1.032269955	1.451338649	0.012869135	0.00023609	3.496985912	0.001064797	0.009841126	9.74127E-05	0.000118274	4.95891E-05	0.060795065	2.20757E-06	5.74708E-05	0.000239707	0.001605707	0
2049 Sep	0.00090381	0.089486554	1.02599E-05	1.096725702	1.657486439	0.0104135	0.000465713	4.010174274	0.001015761	0.010425271	3.87047E-05	4.57459E-05	4.53846E-05	0.069343694	2.05197E-06	7.38739E-05	0.000181266	0.001234941	0
2049 Oct	0.000953511	0.091738425	1.0002E-05	1.109690785	1.751587391	0.009720379	0.000539373	4.175860405	0.000996845	0.011052036	2.53007E-05	2.82726E-05	4.14321E-05	0.07212358	2.00039E-06	8.19736E-05	0.000190203	0.001138397	0
2049 Nov	0.000960422	0.092221327	1.00184E-05	1.114505291	1.764484048	0.009704521	0.000546558	4.202387333	0.000998972	0.011135786	2.4425E-05	2.71145E-05	4.12927E-05	0.072575852	2.00368E-06	8.2843E-05	0.000191512	0.001135435	0
2049 Dec	0.000961292	0.092301115	1.00263E-05	1.115448117	1.766087532	0.009711514	0.000547122	4.20611763	0.000999771	0.011145954	2.4425E-05	2.71106E-05	4.1321E-05	0.072640158	2.00526E-06	8.29239E-05	0.000191684	0.00113623	0
2050 Jan	0.000962244	0.092539668	1.00285E-05	1.117382884	1.771285892	0.009860107	0.000547096	4.213440418	0.001001194	0.011150988	2.51236E-05	2.72603E-05	4.13951E-05	0.072837383	2.00569E-06	8.29599E-05	0.000193166	0.001136753	0
2050 Feb	0.000963281	0.092840269	1.00293E-05	1.11974144	1.777860761	0.010059644	0.000546886	4.222288132	0.001002907	0.011154841	2.60736E-05	2.74691E-05	4.14889E-05	0.073086105	2.00586E-06	8.29844E-05	0.000195124	0.001137271	0
2050 Mar	0.000964017	0.09302038	1.00315E-05	1.121223927	1.781755567	0.010170072	0.000546869	4.227853775	0.001004017	0.011158913	2.65955E-05	2.75876E-05	4.15473E-05	0.073234476	2.00631E-06	8.30124E-05	0.000196225	0.001137754	0
2050 Apr	0.000968576	0.093522698	1.00759E-05	1.126885414	1.791631103	0.010276801	0.000549207	4.249187946	0.001008963	0.011209161	2.70077E-05	2.77738E-05	4.1759E-05	0.073633693	2.01518E-06	8.33848E-05	0.000197696	0.001142916	0
2050 May	0.000993189	0.097860605	1.02783E-05	1.16706264	1.878146648	0.012253041	0.000554126	4.393445492	0.001043388	0.011441208	4.39236E-05	3.18988E-05	4.41583E-05	0.077006198	2.05566E-06	8.49258E-05	0.000221201	0.001178018	0
2050 Jun	0.000692022	0.096207611	9.91048E-06	0.999764562	1.527438641	0.022650611	0.000158327	3.116094589	0.001060322	0.009377933	0.000167464	0.000204836	4.99531E-05	0.062210813	1.9821E-06	5.5451E-05	0.000529969	0.001947223	0
2050 Jul	0.000787242	0.093020625	1.03581E-05	0.932740986	1.318202138	0.012507663	0.000167413	3.117460012	0.000991527	0.009323931	0.000107442	0.000130003	4.45664E-05	0.054296024	2.07161E-06	5.18118E-05	0.000257201	0.001583071	0
2050 Aug	0.000865371	0.096105635	1.07194E-05	0.997169316	1.42387414	0.011683827	0.000227906	3.488042355	0.00101771	0.009588729	0.000100526	8.95673E-05	4.74132E-05	0.059185587	2.14388E-06	5.49977E-05	0.000166494	0.001410585	0
2050 Sep	0.000894946	0.089584686	1.0297E-05	1.077818394	1.607744575	0.010380486	0.000425385	3.929392338	0.001009799	0.010119492	4.80212E-05	4.55926E-05	4.61989E-05	0.067461252	2.05939E-06	6.94964E-05	0.000155858	0.001220777	0
2050 Oct	0.000935438	0.092164308	1.0361E-05	1.108582735	1.692477942	0.010277115	0.000476977	4.096561432	0.001021663	0.01066569	4.03337E-05	3.88605E-05	4.50799E-05	0.070448115	2.0722E-06	7.55659E-05	0.000170015	0.001205086	0
2050 Nov	0.000941264	0.092711389	1.04182E-05	1.115158081	1.703237414	0.010330657	0.000480539	4.121880531	0.001027408	0.010733726	4.04049E-05	3.89419E-05	4.53021E-05	0.070885658	2.08364E-06	7.60899E-05	0.000171203	0.001211296	0
2050 Dec	0.000942139	0.092783704	1.04241E-05	1.116025329	1.704934955	0.010334853	0.000481291	4.125614166	0.001028044	0.010744545	4.03493E-05	3.88951E-05	4.53139E-05	0.070950978	2.08482E-06	7.61883E-05	0.00017143	0.001211753	0
2051 Jan	0.000943217	0.09304475	1.04256E-05	1.118145943	1.710764289	0.01049725	0.000481385	4.133799076	0.001029548	0.010750769	4.10879E-05	3.9037E-05	4.53875E-05	0.071170874	2.08512E-06	7.62403E-05	0.0001731	0.001212174	0
2051 Feb	0.000944436	0.09338095	1.04268E-05	1.120811224	1.71817112	0.010716927	0.000481252	4.143878937	0.001031469	0.010756088	4.212E-05	3.92572E-05	4.54894E-05	0.07145083	2.08535E-06	7.62789E-05	0.000175287	0.001212741	0
2051 Mar	0.000945723	0.093625709	1.04343E-05	1.123002291	1.723340392	0.010843725	0.000481496	4.152102947	0.001033196	0.010766074	4.27102E-05	3.9403E-05	4.55749E-05	0.071650498	2.08685E-06	7.63501E-05	0.000176595	0.00121385	0
2051 Apr	0.000952122	0.094326369	1.0501E-05	1.130979896	1.736617327	0.010981258	0.000484518	4.181669235	0.00104037	0.010836243	4.3304E-05	3.97225E-05	4.58968E-05	0.072193772	2.1002E-06	7.6848E-05	0.000178401	0.001221751	0
2051 May	0.000999048	0.108714432	1.06756E-05	1.242955685	2.034387589	0.020176984	0.000468734	4.5723700052	0.001130891	0.011123391	0.000126696	5.77507E-05	5.44587E-05	0.083439872	2.13512E-06	7.82927E-05	0.000283587	0.001301823	0
2051 Jun	0.000828823	0.133311063	9.19269E-06	1.290834188	2.434513807	0.049463574	0.000165094	4.358922482	0.001221794	0.009353796	0.000412267	0.000192191	7.25988E-05	0.096397065	1.83854E-06	5.77673E-05	0.000730035	0.001732386	0
2051 Jul	0.000790822	0.123881184	9.4268E-06	1.213067651	2.189275026	0.042541176	0.000154196	4.014969826	0.001182828	0.009345683	0.000350463	0.000198788	6.69077E-05	0.08713828	1.88536E-06	5.65472E-05	0.000680501	0.001806979	0
2051 Aug	0.000812542	0.123405084	9.72021E-06	1.229268789	2.183875084	0.040904757	0.000175603	4.092211723	0.001196016	0.009533952	0.00033427	0.00019024	6.72123E-05	0.087360196	1.94404E-06	5.80755E-05	0.000647562	0.001797172	0
2051 Sep	0.000800258	0.116911069	9.47789E-06	1.186224341	2.085005045	0.037066948	0.000203085	3.989327669	0.001146234	0.009369519	0.00029769	0.000170273	6.33536E-05	0.083677858	1.89558E-06	5.83706E-05	0.000587637	0.001687917	0
2051 Oct	0.000772856	0.105865017	8.91339E-06	1.098662138	1.907982349	0.0307406	0.00024221	3.765759945	0.00104884	0.009036026	0.000238912	0.000137924	5.58462E-05	0.076762237	1.78268E-06	5.84291E-05	0.000493797	0.001493366	0
2051 Nov	0.000776319	0.105674058	8.93066E-06	1.099150658	1.906553388	0.030400582	0.000247649	3.774419308	0.001048046	0.009075324	0.000235392	0.000136036	5.55922E-05	0.076723576	1.78613E-06	5.88853E-05	0.000489045	0.001487138	0
2051 Dec	0.000776828	0.105733357	8.93618E-06	1.099804521	1.90765357	0.030413358	0.000247876	3.776769876	0.001048651	0.009081253	0.000235478	0.000136088	5.56211E-05	0.07676813	1.78724E-06	5.89268E-05	0.000489261	0.001487919	0
2052 Jan	0.000776954	0.105753325	8.9369E-06	1.099993467	1.908086658	0.030422552	0.000247922	3.777509451	0.001048795	0.009082297	0.000235512	0.000136092	5.56272E-05	0.076784924	1.78738E-06	5.89351E-05	0.000489351	0.001487988	0
2052 Feb	0.000777272	0.105805136	8.93973E-06	1.100489378	1.909107566	0.030444177	0.000248002	3.779288292	0.001049227	0.009085438	0.000235636	0.00013614	5.56496E-05	0.076825015	1.78795E-06	5.89561E-05	0.000489615	0.00148845	0
2052 Mar	0.000778429	0.105967298	8.95259E-06	1.102152705	1.912080169	0.030494483	0.000248359	3.785041809	0.00105079	0.009098653	0.000236001	0.000136339	5.57322E-05	0.076944098	1.79052E-06	5.90422E-05	0.000490379	0.001490587	0
2052 Apr	0.000780854	0.106300049	8.98023E-06	1.105600595	1.918110132	0.030592266	0.000249127	3.796905279	0.001054065	0.009126828	0.000236744	0.000136762	5.59057E-05	0.07718645	1.79605E-06	5.92252E-05	0.000491926	0.001495187	0
2052 May	0.000802915	0.110984772	9.11396E-06	1.146065593	2.014920235	0.033131801	0.000250647	3.943984032	0.001086932	0.009299397	0.000259247	0.000140928	5.85951E-05	0.080907695	1.82279E-06	6.03554E-05	0.000519874	0.001521837	0
2052 Jun	0.000822799	0.11914625	9.14241E-06	1.205117106	2.182055712	0.038772795	0.000233936	4.143836498	0.001134889	0.009376684	0.00031122	0.00015277	6.3572E-05	0.087159373	1.82848E-06	6.03928E-05	0.000584545	0.001566333	0
2052 Jul	0.000844794	0.121213339	9.46407E-06	1.225492001	2.200158358	0.038523	0.000237351	4.210451603	0.001159664	0.009640185	0.000309646	0.000155649	6.4406E-05	0.087965854	1.89282E-06	6.16688E-05	0.000583704	0.001610042	0
2052 Aug	0.000868313	0.123722553	9.75005E-06	1.255549312	2.244400978	0.038920134	0.000246732	4.317555428	0.001188286	0.009895327	0.000312261	0.000157221	6.58748E-05	0.08984594	1.95001E-06	6.33103E-05	0.000587955	0.00164461	0
2052 Sep	0.000867447	0.122242987	9.74143E-06	1.249045134	2.222810507	0.037933156	0.00025509	4.304312229	0.001180364	0.009885075	0.000302463	0.000152645	6.51558E-05	0.089110836	1.94829E-06	6.3577E-05	0.000572806	0.001624881	0
2052 Oct	0.000870189	0.121882379	9.75388E-06	1.248143196	2.218070984	0.037498418	0.000260679	4.308030605	0.001178398	0.009919905	0.000298065	0.000150597	6.47978E-05	0.088944428	1.95078E-06	6.40149E-05	0.00056712	0.001617717	0
2052 Nov	0.00087334	0.122309417	9.78885E-06	1.252570033	2.225877523	0.037623551	0.000261715	4.323441982	0.001182556	0.009955899	0.000299041	0.000151093	6.50216E-05	0.089257926	1.95777E-06	6.42513E-05	0.000569029	0.001623339	0
2052 Dec	0.000873795	0.122367635	9.79382E-06	1.25318706	2.226950645	0.03763904	0.000261887	4.325623035	0.00118313	0.009961118	0.000299157	0.000151153	6.50513E-05	0.089301132	1.95876E-06	6.42866E-05	0.00056927	0.001624094	0
2053 Jan	0.000873976	0.122393988	9.7955E-06	1.253449678	2.227465153	0.037648629	0.000261946	4.326572895	0.001183361	0.009962984	0.000299213	0.000151176	6.5063E-05	0.089321487	1.9591E-06	6.42994E-05	0.000569391	0.001624346	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Feb	0.000874399	0.122457236	9.79984E-06	1.254077911	2.228657484	0.037671193	0.000262063	4.328777313	0.001183934	0.009967535	0.000299369	0.000151245	6.50941E-05	0.089368835	1.95997E-06	6.43291E-05	0.000569697	0.001625062	0
2053 Mar	0.000875829	0.122659735	9.81565E-06	1.256141067	2.23236537	0.037735194	0.000262486	4.335918903	0.001185871	0.00998369	0.000299865	0.000151491	6.52004E-05	0.089517273	1.96313E-06	6.44336E-05	0.000570646	0.001627682	0
2053 Apr	0.000880244	0.123279288	9.86501E-06	1.262479663	2.243653536	0.037926763	0.000263806	4.357809544	0.001191849	0.01003393	0.00030138	0.000152253	6.55289E-05	0.089969791	1.973E-06	6.4758E-05	0.000573532	0.001635865	0
2053 May	0.000906875	0.12995106	9.95448E-06	1.31702888	2.386544466	0.042004827	0.000262555	4.559595585	0.001233512	0.010194203	0.000338021	0.000157578	6.94371E-05	0.095401943	1.9909E-06	6.5833E-05	0.000616195	0.001659392	0
2053 Jun	0.000890033	0.133493945	9.45316E-06	1.326283574	2.482990026	0.04683565	0.000236219	4.601997375	0.001228262	0.009785055	0.000384398	0.000160319	7.20138E-05	0.098721422	1.89063E-06	6.30052E-05	0.000659924	0.001608512	0
2053 Jul	0.000914099	0.136879906	9.77917E-06	1.360787749	2.53785944	0.047700923	0.000241419	4.71233511	0.001264026	0.010093574	0.000391163	0.000166694	7.37867E-05	0.100944735	1.95583E-06	6.48215E-05	0.00067736	0.001670066	0
2053 Aug	0.000958604	0.143159583	1.02687E-05	1.425573707	2.654175758	0.049723316	0.000254666	4.937835217	0.001324327	0.010583375	0.000407419	0.000173756	7.72431E-05	0.105622388	2.05374E-06	6.79852E-05	0.000705483	0.001748221	0
2053 Sep	0.000988242	0.147401869	1.05916E-05	1.46926105	2.733542681	0.051130883	0.000263617	5.089797974	0.001364804	0.01091098	0.000418697	0.00017862	7.95768E-05	0.108806811	2.11832E-06	7.01224E-05	0.000725268	0.001800789	0
2053 Oct	0.000995781	0.148350686	1.06704E-05	1.479350448	2.751389503	0.051384367	0.00026667	5.126044273	0.001374014	0.010996082	0.00042058	0.000179462	8.00539E-05	0.109523602	2.13408E-06	7.07122E-05	0.000729068	0.001812239	0
2053 Nov	0.000995284	0.148082003	1.06629E-05	1.477372408	2.746685505	0.051207397	0.000267692	5.120625019	0.001371996	0.010992662	0.000418918	0.000178796	7.98699E-05	0.109343454	2.13257E-06	7.07376E-05	0.000726783	0.001808799	0
2053 Dec	0.000995513	0.148108467	1.06652E-05	1.477663636	2.747187138	0.051213268	0.000267799	5.121691227	0.00137226	0.01099527	0.000418957	0.000178815	7.98826E-05	0.109363705	2.13304E-06	7.07563E-05	0.000726875	0.001809116	0
2054 Jan	0.000995621	0.148124859	1.0666E-05	1.477823019	2.74752593	0.051220026	0.000267837	5.122292042	0.00137239	0.01099628	0.000418988	0.000178823	7.98887E-05	0.109376967	2.13321E-06	7.07637E-05	0.00072695	0.001809221	0
2054 Feb	0.000995848	0.148162588	1.0668E-05	1.478181005	2.748267889	0.051236082	0.000267889	5.123572826	0.001372702	0.010998501	0.00041909	0.000178859	7.9906E-05	0.109406069	2.13361E-06	7.07784E-05	0.000727145	0.001809556	0
2054 Mar	0.000995959	0.148181289	1.0669E-05	1.478357553	2.748637676	0.051244184	0.000267914	5.124206066	0.001372855	0.010999573	0.00041914	0.000178877	7.99144E-05	0.109420553	2.1338E-06	7.07855E-05	0.000727242	0.001809716	0
2054 Apr	0.000999905	0.148769557	1.07111E-05	1.484220743	2.759562731	0.051448554	0.000268973	5.144541264	0.001378293	0.011043061	0.000420803	0.000179584	8.02307E-05	0.109855331	2.14223E-06	7.10655E-05	0.000730132	0.001816861	0
2054 May	0.001015352	0.151600257	1.08369E-05	1.51008594	2.815941095	0.052778613	0.000271505	5.236869335	0.001400485	0.011186684	0.000432329	0.000182422	8.18172E-05	0.112048611	2.16739E-06	7.20014E-05	0.00074594	0.001839704	0
2054 Jun	0.000963961	0.147121921	1.02104E-05	1.452146888	2.739215851	0.052833848	0.000243881	5.027008057	0.001344452	0.010564541	0.000436001	0.000179906	7.97066E-05	0.10875845	2.04208E-06	6.76664E-05	0.000741295	0.001764084	0
2054 Jul	0.000942474	0.142806202	1.01326E-05	1.411292553	2.637144566	0.050291076	0.000236221	4.869800091	0.001315172	0.010408891	0.000414627	0.00017823	7.71427E-05	0.104815073	2.02652E-06	6.62428E-05	0.000715058	0.001753319	0
2054 Aug	0.000952945	0.143286273	1.02827E-05	1.423483849	2.64717412	0.050016697	0.000243815	4.915261269	0.001326565	0.01052112	0.000411273	0.000177148	7.76456E-05	0.105366811	2.05655E-06	6.7052E-05	0.000709495	0.001763728	0
2054 Sep	0.000956054	0.142774493	1.03391E-05	1.425553322	2.641313553	0.049483355	0.000250421	4.926400185	0.00132783	0.010558351	0.000405575	0.000174966	7.75538E-05	0.1052588	2.06782E-06	6.74769E-05	0.00070118	0.00176076	0
2054 Oct	0.000949768	0.14090313	1.02589E-05	1.410184264	2.608096361	0.048435029	0.000254372	4.880302429	0.001312604	0.010498745	0.000395963	0.000171023	7.63458E-05	0.103967488	2.05178E-06	6.73299E-05	0.000687406	0.001736741	0
2054 Nov	0.000947907	0.1402677	1.02341E-05	1.405111074	2.596879005	0.048061546	0.000256031	4.865459442	0.00130753	0.010481959	0.000392511	0.000169613	7.59271E-05	0.103532888	2.04682E-06	6.73123E-05	0.000682528	0.001728545	0
2054 Dec	0.000948474	0.140344232	1.02401E-05	1.405904055	2.598306894	0.048084587	0.000256228	4.86826086	0.001308261	0.010488304	0.000392691	0.000169692	7.59671E-05	0.103590071	2.04802E-06	6.73549E-05	0.000682864	0.00172948	0
2055 Jan	0.000948558	0.140357062	1.02407E-05	1.406027913	2.598579407	0.048090111	0.000256259	4.868737698	0.001308359	0.010489053	0.000392712	0.000169696	7.59713E-05	0.103600696	2.04814E-06	6.73607E-05	0.000682922	0.001729544	0
2055 Feb	0.000948631	0.140371859	1.02411E-05	1.406157494	2.598894835	0.048098162	0.00025627	4.869225979	0.001308459	0.010489584	0.000392749	0.000169705	7.59762E-05	0.103612833	2.04821E-06	6.73645E-05	0.000683004	0.001729601	0
2055 Mar	0.000949014	0.140430555	1.0245E-05	1.406735301	2.600004196	0.048119895	0.000256369	4.871247768	0.001308985	0.010493658	0.000392911	0.000169771	7.60064E-05	0.103656814	2.04899E-06	6.73908E-05	0.000683295	0.001730256	0
2055 Apr	0.00095192	0.140861809	1.02762E-05	1.411049485	2.608001709	0.048268601	0.000257151	4.886199951	0.001312993	0.010525704	0.000394117	0.00017029	7.62388E-05	0.10397552	2.05524E-06	6.75968E-05	0.000685396	0.001735531	0
2055 May	0.000964449	0.142716408	1.04114E-05	1.429624915	2.642343998	0.048904501	0.000260534	4.950527668	0.001330276	0.010664211	0.000399306	0.000172531	7.72423E-05	0.105344616	2.08228E-06	6.84863E-05	0.000694422	0.001758365	0
2055 Jun	0.000873942	0.128541932	9.91018E-06	1.293249965	2.330377579	0.042252138	0.000227699	4.408991337	0.001228726	0.009982958	0.000342261	0.000172908	6.93111E-05	0.093157664	1.98204E-06	6.30579E-05	0.000638439	0.001729244	0
2055 Jul	0.000858996	0.125757858	9.94456E-06	1.267411947	2.255869865	0.040407836	0.000220059	4.292964458	0.001215411	0.00994138	0.000326277	0.00017612	6.76389E-05	0.090299621	1.98891E-06	6.2309E-05	0.000627206	0.001753176	0
2055 Aug	0.000891846	0.130140901	1.03305E-05	1.313278556	2.33327055	0.041612893	0.000229642	4.45075655	0.001259472	0.010312956	0.000335845	0.000181372	7.00225E-05	0.093442172	2.06611E-06	6.46355E-05	0.000645047	0.001813883	0
2055 Sep	0.000893245	0.129414603	1.03531E-05	1.312729597	2.324658155	0.0410579	0.000235965	4.454802513	0.001257603	0.010323558	0.000330068	0.000178489	6.97947E-05	0.093209825	2.07062E-06	6.49215E-05	0.000635575	0.001804125	0
2055 Oct	0.00089855	0.129875794	1.04054E-05	1.318505406	2.3337605	0.041077841	0.000239362	4.477358818	0.001262623	0.010385233	0.000329872	0.000178443	6.99769E-05	0.093583651	2.08108E-06	6.54006E-05	0.000636194	0.001809277	0
2055 Nov	0.000900697	0.1301056	1.04279E-05	1.321126819	2.338104725	0.041117296	0.000240458	4.487037182	0.001264998	0.01041015	0.000330094	0.00017858	7.00832E-05	0.093760177	2.08557E-06	6.55815E-05	0.000636887	0.001812143	0
2055 Dec	0.000900998	0.13013868	1.0431E-05	1.321499825	2.338726759	0.041123487	0.000240606	4.488403797	0.001265338	0.010413637	0.000330132	0.000178602	7.00988E-05	0.093785428	2.08621E-06	6.56065E-05	0.000636993	0.00181256	0
2056 Jan	0.000901185	0.130166709	1.04327E-05	1.321775198	2.339286327	0.041134361	0.000240667	4.489414215	0.001265574	0.010415494	0.000330189	0.000178623	7.01104E-05	0.093807451	2.08653E-06	6.56195E-05	0.000637124	0.001812795	0
2056 Feb	0.000901355	0.13019681	1.0434E-05	1.322054029	2.339892149	0.041148275	0.000240701	4.490424156	0.00126581	0.010417053	0.000330265	0.000178649	7.01227E-05	0.09383107	2.0868E-06	6.563E-05	0.000637283	0.001813021	0
2056 Mar	0.000901861	0.130272791	1.04395E-05	1.322811007	2.341293097	0.041174684	0.00024083	4.493028641	0.001266518	0.01042267	0.000330458	0.000178745	7.01615E-05	0.093886882	2.0879E-06	6.56657E-05	0.000637662	0.001813973	0
2056 Apr	0.000905199	0.130756691	1.0478E-05	1.327716231	2.350009203	0.041328963	0.000241718	4.509708881	0.001271205	0.010461125	0.000331685	0.000179404	7.0421E-05	0.094236203	2.09559E-06	6.59082E-05	0.000640034	0.001820652	0
2056 May	0.000924074	0.134912238	1.05711E-05	1.363061547	2.43772459	0.043677814	0.000242935	4.640287876	0.001298961	0.0105966	0.000352568	0.000182647	7.28079E-05	0.097593293	2.11421E-06	6.68332E-05	0.000665055	0.001839277	0
2056 Jun	0.000904036	0.136622369	1.00159E-05	1.358726382	2.501916409	0.047305267	0.000223192	4.646806717	0.001279601	0.010153538	0.000387863	0.000180319	7.41711E-05	0.09968549	2.00318E-06	6.40792E-05	0.000691636	0.00176162	0
2056 Jul	0.000937071	0.141195223	1.04319E-05	1.404697895	2.577494621	0.048506539	0.000230582	4.799135208	0.001325907	0.010549705	0.000397611	0.000187441	7.65553E-05	0.1027366	2.08637E-06	6.6427E-05	0.000712502	0.001834291	0
2056 Aug	0.000961756	0.144140378	1.07226E-05	1.43674159	2.628247976	0.049136221	0.000238564	4.912119389	0.001356653	0.010818002	0.000402539	0.000189999	7.81715E-05	0.10483411	2.14453E-06	6.80964E-05	0.000720484	0.001873302	0
2056 Sep	0.00098271	0.146794692	1.09543E-05	1.46568346	2.678026915	0.049852107	0.000246759	5.014398098	0.001383434	0.011055477	0.000407825	0.000192605	7.95919E-05	0.106854536	2.19086E-06	6.97098E-05	0.000731108	0.001907653	0
2056 Oct	0.000974006	0.14456661	1.08394E-05	1.446733832	2.63918972	0.048709329	0.000250324	4.957214355	0.001364401	0.010963798	0.000397465	0.000187902	7.8195E-05	0.105335586	2.16789E-06	6.93812E-05	0.000715342	0.001876691	0
2056 Nov	0.000973953	0.144343153	1.08347E-05	1.445268631	2.63553381	0.048543736	0.000251646	4.953978062	0.001362752	0.010964654	0.000395876	0.000187195	7.803E-05	0.105196841	2.16694E-06	6.94445E-05	0.000713144	0.001873321	0
2056 Dec	0.000974344	0.144393727	1.08389E-05	1.445801139	2.636471272	0.048557676	0.000251792	4.955863476	0.001363245	0.010969099	0.000395981	0.000187247	7.80558E-05	0.105234504	2.16778E-06	6.94746E-05	0.000713357	0.001873961	0
2057 Jan	0.000974527	0.14442125	1.08406E-05	1.446071982	2.637012243	0.048568141	0.000251849	4.956845284	0.001363481	0.010970962	0.000396043	0.00018727	7.8068E-05	0.105255835	2.16812E-06	6.94875E-05	0.000713487	0.001874214	0
2057 Feb	0.000974663	0.14444533	1.08417E-05	1.446294904	2.637496948	0.048579287	0.000251877	4.957652569	0.00136367	0.010972206	0.000396106	0.000187291	7.80781E-05	0.105274737	2.16833E-06	6.94958E-05	0.000713614	0.001874394	0
2057 Mar	0.000975631	0.14459081	1.08522E-05	1.447741508	2.640177965	0.048629876	0.000252123	4.962634563	0.001365022	0.010982936	0.000396503	0.000187474	7.81551E-05	0.105381496	2.17044E-06	6.9564E-05	0.000714338	0.001876208	0
2057 Apr	0.000979439	0.145156488	1.08944E-05	1.453399658	2.65052104	0.048821 08	0.000253104	4.98204422	0.00137035	0.01102572	0.000398053	0.000188204	7.84599E-05	0.105794191	2.17888E-06	6.98351E-05	0.000717135	0.001883507	0
2057 May	0.000997405	0.148169741	1.10646E-05	1.48196733	2.70855999	0.050078817	0.000256796	5.082315922	0.001395873	0.011208463	0.000408748	0.000191578	8.01252E-05	0.10807398	2.21293E-06	7.1009E-05	0.000733207	0.001913664	0
2057 Jun	0.000933991	0.14086695	1.04163E-05	1.400498271	2.568858624	0.048367169	0.000228835	4.780406475	0.001323292	0.010536687	0.000396408	0.000188316	7.6296E-05	0.10237544	2.08326E-06	6.62952E-05	0.00071331	0.001837662	0
2057 Jul	0.00095018	0.142928436	1.06937E-05	1.422285557	2.59483242	0.04858917	0.000231402	4.842158794	0.001349201	0.010780154	0.00039773	0.000194188	7.73199E-05	0.103471704	2.13875E-06	6.76061E-05	0.000724254	0.001893507	0
2057 Aug	0.001014079	0.152327552	1.14172E-05	1.516792297	2.765054226	0.051687635	0.000247652	5.164898396	0.001438901	0.011502437	0.000422981	0.000206575	8.24239E-05	0.110282719	2.28344E-06	7.21402E-05	0.000770078	0.002018251	0
2057 Sep	0.001031222	0.154441625	1.16102E-05	1.54047966	2.804956436	0.052232847	0.00025469	5.248586178	0.001460831	0.01169723	0.000426877	0.000208585	8.35806E-05	0.111914203	2.32205E-06	7.34713E-05	0.000778152	0.002046268	0
2057 Oct	0.001030511	0.153829649	1.15916E-05	1.536167622	2.794892073	0.051818237	0.000257662	5.23817873	0.001456075	0.011691683	0.000422943	0.000206762	8.31482E-05	0.111529268	2.31831E-06	7.3574E-05	0.000772492	0.002036852	0
2057 Nov	0.001033148	0.154155612	1.16198E-05	1.539663792	2.800956011	0.051900119	0.000258744	5.250676155	0.001459299	0.011721944	0.000423537	0.000207066	8.33108E-05	0.111773469	2.32396E-06	7.37828E-05	0.000773782	0.002040992	0
2057 Dec	0.001033638	0.154221937	1.16252E-05	1.540350437	2.802175283	0.05191965	0.000258909	5.253075123	0.001459941	0.011727538	0.000423689	0.000207142	8.33452E-05	0.111822359	2.32503E-06	7.38199E-05	0.000774081	0.002041852	0
2058 Jan	0.001033692	0.154230177	1.16254E-05	1.540428877	2.802361012	0.051923517	0.000258932	5.253393173	0.001459997	0.011727956	0.000423699	0.000207141	8.33472E-05	0.111829542	2.32508E-06	7.38235E-05	0.000774115	0.002041863	0
2058 Feb	0.001033781	0.154246897	1.1626E-05	1.540579319	2.802706957	0.051931921	0.000258947	5.253948212	0.00146012	0.01172869	0.000423742	0.000207153	8.33535E-05	0.111842945	2.3252E-06	7.38285E-05	0.000774206	0.002041959	0
2058 Mar	0.001034116	0.154298916	1.16296E-05	1.541090012	2.803675413	0.051950954	0.000259028	5.255712032	0.001460592	0.011732353	0.000423883	0.000207218	8.33802E-05	0.111881353	2.32591E-06	7.38518E-05	0.000774471	0.002042579	0
2058 Apr	0.001036695	0.154684722	1.16584E-05	1.544938087	2.810698748	0.052081715	0.000259672	5.268848896	0.001464233	0.011761521	0.000424942	0.000207733	8.35878E-05	0.112161502	2.33169E-06	7.40355E-05	0.00077641	0.002047647	0
2058 May	0.001053571	0.158792928	1.17048E-05	1.578701019	2.900140762	0.054600585	0.000259813	5.396224976	0.001489288	0.011858203	0.000447537	0.00021039	8.59808E-05	0.115560636	2.34096E-06	7.47364E-05	0.000801908	0.002058218	0
2058 Jun	0.000981748	0.153270155	1.05302E-05	1.500340939	2.837533951	0.056140423	0.000225921	5.153035164	0.001397833	0.01080253	0.000466337	0.000197705	8.35191E-05	0.112549223	2.10605E-06	6.81535E-05	0.000794065	0.00187332	0
2058 Jul	0.001002438	0.156131074	1.08248E-05	1.529514551	2.881726027	0.056793507	0.000229948	5.244384766	0.001428957	0.011075128	0.000471405	0.00020355	8.50017E-05	0.114350289	2.16496E-06	6.97139E-05	0.000808667	0.001929555	0
2058 Aug	0.001039057	0.161301613	1.12339E-05	1.582201362	2.975362301	0.058421075	0.000239819	5.427041054	0.001478559	0.011476111	0.00048472	0.000209477	8.78369E-05	0.118117511	2.24678E-06	7.22325E-05	0.000831107	0.001994674	0
2058 Sep	0.001036235	0.159557745	1.12031E-05	1.571225166	2.945990324	0.057279084	0.000246885	5.397499084	0.001467196	0.011454185	0.000473822	0.000205052	8.68072E-05	0.117037632	2.24063E-06	7.23895E-05	0.00081541	0.001973697	0
2058 Oct	0.001032608	0.158020914	1.11521E-05	1.559512377	2.919028521	0.056321468	0.000251824	5.364432335	0.001455335	0.011423418	0.000464903	0.000201389	8.57845E-05	0.116001576	2.23043E-06	7.24348E-05	0.000802812	0.001953719	0
2058 Nov	0.001034792	0.158242539	1.11744E-05	1.562095881	2.923285961	0.056353442	0.000253025	5.374147415	0.001457639	0.011448653	0.000465051	0.000201476	8.58832E-05	0.116174839	2.23488E-06	7.26224E-05	0.000803388	0.001956348	0
2058 Dec	0.001035021	0.158269972	1.11768E-05	1.562393427	2.923804045	0.056360055	0.000253126	5.375226974	0.001457909	0.011451259	0.000465097	0.000201498	8.58967E-05	0.116195686	2.23535E-06	7.26408E-05	0.000803491	0.001956679	0
2059 Jan	0.001035061	0.158275992	1.11769E-05	1.562450409	2.923948288	0.056363054	0.000253146	5.375472069	0.001457946	0.011451531	0.000465099	0.000201494	8.58973E-05	0.116201244	2.23537E-06	7.26434E-05	0.000803513	0.001956664	0
2059 Feb	0.001035151	0.158293113	1.11774E-05	1.562603951	2.924304485	0.056371763	0.000253162	5.376039982	0.00145807	0.011452264	0.000465143	0.000201507	8.59038E-05	0.116215013	2.23549E-06	7.26485E-05	0.000803607	0.001956758	0
2059 Mar	0.0010352	0.158302382	1.11778E-05	1.562687278	2.924497366	0.056376491	0.00025317	5.376348019	0.001458137	0.011452659	0.000465167	0.000201513	8.59072E-05	0.116222478	2.23555E-06	7.26512E-05	0.000803657	0.001956808	0
2059 Apr	0.001038168	0.158757284	1.12097E-05	1.567172885	2.932913542	0.056539308	0.000253894	5.391792774	0.001462316	0.011485412	0.000466502	0.000202089	8.61532E-05	0.116556823	2.24194E-06	7.28591E-05	0.000805969	0.001962394	0
2059 May	0.001054583	0.162048772	1.13192E-05	1.596203685	3.000464916	0.058246542	0.000255814	5.497147083	0.001486199	0.011621915	0.00048151	0.000205026	8.80237E-05	0.119162917	2.26384E-06	7.37647E-05	0.000825094	0.001983006	0
2059 Jun	0.001052024	0.164532542	1.1096E-05	1.608273745	3.065583706	0.060936686	0.000246117	5.55043745	0.001488562	0.01146365	0.000506895	0.000205717	8.96619E-05	0.12148387	2.21919E-06	7.27778E-05	0.00084864	0.001956308	0
2059 Jul	0.001113889	0.174028754	1.17838E-05	1.701656222	3.238260031	0.064262569	0.00026022	5.868441105	0.001576905	0.012159481	0.000534395	0.000218627	9.48002E-05	0.12834996	2.35675E-06	7.71162E-05	0.000897492	0.002079471	0
2059 Aug	0.001171577	0.182801962	1.24014E-05	1.788531065	3.400937796	0.067392558	0.000274455	6.168800831	0.001657571	0.012788453	0.000560297	0.000229308	9.9599E-05	0.134823442	2.48029E-06	8.11075E-05	0.000940891	0.002185118	0
2059 Sep	0.00118357	0.183811277	1.25317E-05	1.802464008	3.421346426	0.067424029	0.000282245	6.221791267	0.001669895	0.012927135	0.000559628	0.000229226	0.0001001	0.135690838	2.50634E-06	8.21711E-05	0.000941711	0.002198145	0
2059 Oct	0.001134054	0.173251569	1.19842E-05	1.708915949	3.228173018	0.062350839	0.000287075	5.918544769	0.001580976	0.012419308	0.000514645	0.000211387	9.38115E-05	0.128136128	2.39685E-06	7.96107E-05	0.000873943	0.002070946	0
2059 Nov	0.001131695	0.172446296	1.19557E-05	1.7025491	3.21370101	0.061871942	0.000289057	5.899575233	0.001574733	0.01239859	0.00051023	0.000209669	9.32907E-05	0.127578467	2.39115E-06	7.95811E-05	0.000867727	0.002061176	0
2059 Dec	0.001131879	0.172466472	1.19576E-05	1.702775955	3.214086533	0.061875872	0.000289149	5.900415421	0.001574936	0.012400691	0.000510255	0.000209681	9.33002E-05	0.127594054	2.39152E-06	7.95964E-05	0.00086779	0.002061415	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2060 Jan	0.001132054	0.172493115	1.19591E-05	1.703036547	3.214614868	0.061886285	0.000289203	5.901364803	0.001575161	0.012402442	0.000510317	0.000209702	9.33119E-05	0.127614856	2.39183E-06	7.96086E-05	0.000867917	0.002061646	0
2060 Feb	0.00113225	0.172526613	1.19608E-05	1.703351021	3.215278625	0.061901003	0.000289246	5.902493	0.001575433	0.012404326	0.000510409	0.000209733	9.3327E-05	0.127640814	2.39217E-06	7.96211E-05	0.000868093	0.002061928	0
2060 Mar	0.001132824	0.172615945	1.19667E-05	1.70422399	3.216964483	0.061934516	0.000289389	5.905539036	0.00157623	0.012410464	0.00051067	0.000209837	9.33737E-05	0.127707541	2.39333E-06	7.96607E-05	0.000868546	0.002062932	0
2060 Apr	0.00113737	0.173309788	1.20146E-05	1.711069345	3.229907274	0.062184285	0.000290548	5.929271698	0.001582555	0.012460189	0.00051272	0.000210678	9.37482E-05	0.128221214	2.40291E-06	7.998E-05	0.00087204	0.002071188	0
2060 May	0.001147707	0.176962212	1.19615E-05	1.738062739	3.313704491	0.064862452	0.000287021	6.034480572	0.001600013	0.012462341	0.00053725	0.000212514	9.59653E-05	0.131352693	2.3923E-06	8.00537E-05	0.000897261	0.00206716	0
2060 Jun	0.001100959	0.173210517	1.12767E-05	1.68671	3.261779308	0.065517552	0.000263184	5.864212036	0.001544232	0.011817456	0.000546355	0.000206581	9.43063E-05	0.129005015	2.25533E-06	7.58304E-05	0.000892141	0.001966956	0
2060 Jul	0.001161258	0.182477191	1.194E-05	1.777674794	3.430917978	0.068784215	0.000277101	6.174901962	0.001629958	0.012492752	0.000573384	0.000218979	9.93089E-05	0.135723889	2.388E-06	8.00597E-05	0.000939796	0.002085343	0
2060 Aug	0.001183746	0.184986949	1.22111E-05	1.808833122	3.478924513	0.069324955	0.000287	6.285424709	0.001658827	0.012736986	0.000576906	0.00022066	0.000100887	0.137760311	2.44222E-06	8.17056E-05	0.000945904	0.002119317	0
2060 Sep	0.001133939	0.174377203	1.17764E-05	1.724257112	3.287302971	0.06431064	0.00029073	6.000852585	0.001580401	0.012221625	0.000531707	0.000204121	9.55505E-05	0.130512834	2.35528E-06	7.88729E-05	0.000875912	0.002009795	0
2060 Oct	0.001123055	0.171468228	1.16574E-05	1.699745774	3.233480692	0.062704034	0.00029491	5.923549652	0.001557177	0.012121917	0.000517161	0.000198806	9.37125E-05	0.128421426	2.33148E-06	7.85005E-05	0.000855464	0.001976725	0
2060 Nov	0.001118632	0.170346409	1.16093E-05	1.690173507	3.212696075	0.062099483	0.000296268	5.893096924	0.001548133	0.012080534	0.000511711	0.00019681	9.30105E-05	0.127612472	2.32186E-06	7.83304E-05	0.000847742	0.00196396	0
2060 Dec	0.001119144	0.170415238	1.16146E-05	1.690888166	3.214001894	0.06212059	0.000296455	5.895647526	0.001548782	0.012086191	0.000511876	0.000196875	9.30463E-05	0.127664685	2.32291E-06	7.83691E-05	0.000848041	0.001964756	0
2061 Jan	0.001119216	0.17042619	1.1615E-05	1.69099319	3.214240789	0.062125452	0.000296484	5.896062851	0.001548861	0.012086801	0.000511889	0.000196877	9.30492E-05	0.127673954	2.323E-06	7.8374E-05	0.000848088	0.001964792	0
2061 Feb	0.001119296	0.170442432	1.16154E-05	1.691135287	3.214587212	0.062134307	0.000296496	5.896597862	0.001548971	0.012087381	0.000511929	0.000196886	9.30546E-05	0.127687275	2.32308E-06	7.83782E-05	0.000848179	0.001964854	0
2061 Mar	0.001119614	0.170493037	1.16185E-05	1.691627026	3.215563536	0.062154345	0.000296575	5.898334503	0.001549411	0.012090659	0.000512077	0.00019694	9.30804E-05	0.12772581	2.32369E-06	7.83996E-05	0.000848435	0.001965369	0
2061 Apr	0.001123893	0.171145886	1.16627E-05	1.698098779	3.227889061	0.062393263	0.000297706	5.920912266	0.001555332	0.012136779	0.000514035	0.000197691	9.34357E-05	0.128215268	2.33255E-06	7.86988E-05	0.000851687	0.001972856	0
2061 May	0.001135863	0.175158992	1.16288E-05	1.727780819	3.317354918	0.065223128	0.000293766	6.034260273	0.00157563	0.012159657	0.000539961	0.000200335	9.58187E-05	0.131558165	2.32576E-06	7.88701E-05	0.000879533	0.001974212	0
2061 Jun	0.001054458	0.166058183	1.06437E-05	1.622564197	3.155875683	0.063657209	0.00025885	5.666924477	0.00147426	0.01118565	0.000530646	0.000190724	9.10911E-05	0.124864511	2.12874E-06	7.2334E-05	0.000849699	0.00183168	0
2061 Jul	0.00110623	0.173829317	1.12228E-05	1.699257255	3.29590106	0.06627959	0.000270908	5.928770542	0.001547068	0.011766827	0.000552335	0.000201044	9.52731E-05	0.130443543	2.24457E-06	7.59431E-05	0.000888139	0.001932864	0
2061 Aug	0.001163245	0.182519093	1.1811E-05	1.785052776	3.459239006	0.069453754	0.000285404	6.228767872	0.001625555	0.012373351	0.000578725	0.000210769	0.000100034	0.136932209	2.36219E-06	7.98399E-05	0.000930363	0.002030651	0
2061 Sep	0.001174324	0.183633611	1.19357E-05	1.799438834	3.481544018	0.069633655	0.000291559	6.281460285	0.001638486	0.012498328	0.000579515	0.000211212	0.000100667	0.137872428	2.38713E-06	8.07562E-05	0.000932809	0.002045182	0
2061 Oct	0.001129321	0.174252704	1.14759E-05	1.715564966	3.305147886	0.065068841	0.000293361	6.002756119	0.001560999	0.012056487	0.00053921	0.000197026	9.50804E-05	0.130976617	2.29517E-06	7.83905E-05	0.000874346	0.001942943	0
2061 Nov	0.001118626	0.17180571	1.13664E-05	1.694247484	3.259236574	0.063807882	0.000294995	5.93299675	0.00154122	0.011954936	0.000527951	0.000193089	9.35921E-05	0.12918812	2.27327E-06	7.78961E-05	0.000858343	0.00191643	0
2061 Dec	0.001118972	0.171849564	1.13699E-05	1.694712281	3.260074377	0.063820146	0.000295138	5.934680462	0.001541639	0.011958775	0.000528043	0.000193125	9.36142E-05	0.129221708	2.27398E-06	7.7923E-05	0.000858519	0.001916928	0
2062 Jan	0.001119111	0.171870813	1.1371E-05	1.694919229	3.26050806	0.063828781	0.000295185	5.935451508	0.001541811	0.011960109	0.000528087	0.000193138	9.36227E-05	0.129238695	2.2742E-06	7.79326E-05	0.000858618	0.001917081	0
2062 Feb	0.001119305	0.17190446	1.13725E-05	1.695233107	3.261184692	0.063844092	0.000295227	5.936588287	0.001542078	0.011961903	0.000528181	0.000193167	9.36376E-05	0.129265115	2.27451E-06	7.79447E-05	0.000858794	0.001917338	0
2062 Mar	0.001120585	0.172103107	1.13853E-05	1.697182178	3.264973879	0.063919395	0.000295559	5.943434238	0.00154384	0.011975426	0.000528787	0.000193386	9.3744E-05	0.12941508	2.27707E-06	7.8033E-05	0.000859792	0.001919489	0
2062 Apr	0.001125141	0.172804058	1.14315E-05	1.704089046	3.278283596	0.064180613	0.000296758	5.967632771	0.001550116	0.012024029	0.000530937	0.000194171	9.41247E-05	0.129942521	2.2863E-06	7.83499E-05	0.000863296	0.00192727	0
2062 May	0.001137988	0.174777761	1.1562E-05	1.723549962	3.315732002	0.06491404	0.000300145	6.035788536	0.001567817	0.012161287	0.000537001	0.000196387	9.51994E-05	0.131426811	2.31239E-06	7.92443E-05	0.000873158	0.001949267	0
2062 Jun	0.001039617	0.158621237	1.10132E-05	1.570482612	2.962499857	0.057106707	0.000267431	5.43652153	0.001452356	0.01140881	0.000469903	0.000194036	8.61447E-05	0.117670365	2.20265E-06	7.33415E-05	0.000802347	0.001904669	0
2062 Jul	0.001000668	0.151699752	1.08839E-05	1.505702257	2.800745726	0.053289402	0.000253116	5.174889565	0.001407738	0.011159956	0.000437076	0.000194783	8.21569E-05	0.111414567	2.17678E-06	7.10779E-05	0.000769943	0.001905286	0
2062 Aug	0.001006782	0.151242927	1.09912E-05	1.508847594	2.791195631	0.052527811	0.000259758	5.190664291	0.001411053	0.011218744	0.000429809	0.00019199	8.21172E-05	0.111204907	2.19824E-06	7.15083E-05	0.000756795	0.001903667	0
2062 Sep	0.000994901	0.147926822	1.08622E-05	1.483574271	2.733780622	0.050769135	0.000265802	5.113381863	0.001386012	0.011094669	0.000413605	0.000185114	8.02611E-05	0.109030284	2.17244E-06	7.10629E-05	0.000731899	0.001862589	0
2062 Oct	0.000933554	0.13477549	1.01312E-05	1.365863562	2.497009277	0.044531323	0.000273502	4.739130497	0.001271823	0.010445394	0.000358363	0.000161261	7.22921E-05	0.099724621	2.02623E-06	6.79148E-05	0.000646522	0.001691043	0
2062 Nov	0.000935553	0.134723768	1.01477E-05	1.366573334	2.496596575	0.044364274	0.000276122	4.744300365	0.001272121	0.010470704	0.000356619	0.000160556	7.21919E-05	0.099720068	2.02953E-06	6.81644E-05	0.000644508	0.001689877	0
2062 Dec	0.000935909	0.134768531	1.01514E-05	1.367051244	2.497436762	0.044376105	0.000276266	4.746011734	0.001272559	0.010474752	0.000356707	0.000160597	7.22145E-05	0.099753849	2.03029E-06	6.81924E-05	0.000644688	0.001690428	0
2063 Jan	0.000936037	0.134787694	1.01525E-05	1.367239118	2.497825146	0.044383705	0.00027631	4.746709347	0.001272717	0.010475992	0.000356745	0.000160609	7.22222E-05	0.099769108	2.0305E-06	6.82013E-05	0.000644776	0.001690574	0
2063 Feb	0.000936197	0.134814784	1.01538E-05	1.367494106	2.498367071	0.0443957	0.000276347	4.747631073	0.001272935	0.010477499	0.000356815	0.000160633	7.22338E-05	0.099790297	2.03076E-06	6.82115E-05	0.000644916	0.00169079	0
2063 Mar	0.000936464	0.134855583	1.01565E-05	1.367897034	2.499144793	0.044410814	0.00027642	4.74905014	0.001273299	0.010480343	0.000356922	0.000160677	7.22542E-05	0.099821121	2.0313E-06	6.82302E-05	0.000645117	0.001691234	0
2063 Apr	0.000938533	0.135154784	1.01788E-05	1.370925784	2.504701853	0.044510305	0.000277028	4.759577274	0.001276112	0.010503409	0.000357713	0.000161031	7.24136E-05	0.100042947	2.03576E-06	6.83804E-05	0.000646552	0.001694948	0
2063 May	0.000954025	0.138750523	1.02525E-05	1.400992393	2.580214977	0.046591371	0.000277056	4.869707108	0.001290836	0.010610795	0.000376327	0.0001641	7.44979E-05	0.102927029	2.05051E-06	6.90831E-05	0.000668857	0.001711458	0
2063 Jun	0.000876199	0.133304372	9.24355E-06	1.319790125	2.491995096	0.047871929	0.000228573	4.57579422	0.0012189	0.009613027	0.000393636	0.000161646	7.21707E-05	0.098948829	1.84871E-06	6.1988E-05	0.000672622	0.001593189	0
2063 Jul	0.000866958	0.131429642	9.28373E-06	1.303030491	2.441152096	0.046558119	0.000223997	4.499537468	0.001210845	0.009597554	0.000382159	0.000163831	7.10494E-05	0.09701246	1.85675E-06	6.15595E-05	0.000664367	0.001611285	0
2063 Aug	0.000910196	0.137636811	9.75753E-06	1.366189241	2.555543184	0.048593514	0.000236189	4.718796253	0.001269769	0.010073915	0.000398679	0.000171036	7.44383E-05	0.1015976	1.95151E-06	6.46128E-05	0.000692888	0.001688453	0
2063 Sep	0.000917333	0.137751937	9.85751E-06	1.374300957	2.561033964	0.048284158	0.000243618	4.750650883	0.001276721	0.010155249	0.00039487	0.000169667	7.46839E-05	0.101939328	1.9715E-06	6.53087E-05	0.000687729	0.001693179	0
2063 Oct	0.000907808	0.135300204	9.74322E-06	1.353431821	2.516804457	0.046986673	0.000247059	4.686056614	0.001256404	0.010059894	0.000383162	0.000164857	7.31498E-05	0.10021539	1.94864E-06	6.49392E-05	0.000670401	0.001662102	0
2063 Nov	0.000908637	0.135248259	9.75007E-06	1.35353446	2.516072989	0.046892755	0.000248312	4.68771553	0.001256339	0.010070825	0.000382205	0.000164484	7.30862E-05	0.100192584	1.95001E-06	6.50516E-05	0.000669262	0.001661301	0
2063 Dec	0.000909264	0.135334074	9.75671E-06	1.35441947	2.517679214	0.046919286	0.000248526	4.690835953	0.001257153	0.010077842	0.000382413	0.000164575	7.31311E-05	0.100256816	1.95134E-06	6.50987E-05	0.00066965	0.001662348	0
2064 Jan	0.0009094	0.135354698	9.75784E-06	1.354621291	2.51809597	0.046927493	0.000248572	4.69158268	0.001257324	0.010079171	0.000382456	0.000164589	7.31395E-05	0.100273184	1.95157E-06	6.51082E-05	0.000669745	0.001662507	0
2064 Feb	0.000909625	0.13539198	9.75983E-06	1.3549757	2.518830299	0.046943367	0.000248624	4.692850113	0.001257633	0.010081371	0.000382557	0.000164625	7.31566E-05	0.100301996	1.95197E-06	6.51228E-05	0.000669939	0.00166284	0
2064 Mar	0.000910846	0.13557598	9.77271E-06	1.356807113	2.522275209	0.04700876	0.000248953	4.699213982	0.001259321	0.01009476	0.000383074	0.000164844	7.32544E-05	0.100438952	1.95454E-06	6.52095E-05	0.000670854	0.001665031	0
2064 Apr	0.000913052	0.135905415	9.79624E-06	1.360098362	2.528416395	0.047123879	0.000249553	4.710624695	0.00126237	0.010119114	0.000384003	0.000165241	7.34315E-05	0.100683361	1.95925E-06	6.53669E-05	0.000672487	0.001669039	0
2064 May	0.000928482	0.140029505	9.8246E-06	1.392914772	2.617935896	0.049752448	0.000247974	4.833705425	0.001286589	0.010195478	0.000407793	0.000168185	7.58572E-05	0.104070306	1.96492E-06	6.58889E-05	0.000699106	0.001678745	0
2064 Jun	0.000897337	0.140353262	9.20915E-06	1.373592496	2.648955107	0.052837975	0.000221254	4.778173447	0.001256679	0.009653086	0.000439032	0.000166555	7.65346E-05	0.1048612	1.84183E-06	6.22261E-05	0.000720834	0.001599293	0
2064 Jul	0.000926235	0.144283906	9.56993E-06	1.412839174	2.713026047	0.053825274	0.000227606	4.909085751	0.001296274	0.009995207	0.000447152	0.000172411	7.85572E-05	0.107448108	1.91399E-06	6.42364E-05	0.000737697	0.001660588	0
2064 Aug	0.000941837	0.145746663	9.76312E-06	1.430093408	2.735289812	0.053868134	0.000233275	4.971790791	0.001313383	0.010160716	0.000447322	0.000172886	7.93425E-05	0.108415879	1.95262E-06	6.52332E-05	0.000737078	0.001680883	0
2064 Sep	0.000927171	0.141477138	9.6506E-06	1.400297284	2.660020828	0.051523868	0.00024096	4.876440525	0.001285186	0.01001992	0.000425467	0.000164952	7.71706E-05	0.105634928	1.93012E-06	6.46965E-05	0.000704702	0.001638184	0
2064 Oct	0.000931357	0.141467288	9.69072E-06	1.402468681	2.660433769	0.051239137	0.000245744	4.888263226	0.001286757	0.010074266	0.00042244	0.000163922	7.70371E-05	0.105675466	1.93814E-06	6.51923E-05	0.00070157	0.001638258	0
2064 Nov	0.000934879	0.141992748	9.7273E-06	1.40771091	2.670324087	0.051425371	0.000246727	4.906597137	0.001291561	0.010112486	0.000423965	0.000164516	7.73213E-05	0.106068686	1.94546E-06	6.54417E-05	0.000704131	0.001644346	0
2064 Dec	0.000935238	0.142042384	9.73102E-06	1.40822053	2.671262026	0.051441181	0.00024685	4.908405781	0.001292025	0.010116444	0.000424091	0.000164566	7.73474E-05	0.106106125	1.9462E-06	6.54684E-05	0.000704354	0.001644922	0
2065 Jan	0.000935322	0.142055094	9.7317E-06	1.408344626	2.671520233	0.051446296	0.000246878	4.908866405	0.00129213	0.010117252	0.000424117	0.000164574	7.73525E-05	0.106116258	1.94634E-06	6.54742E-05	0.000704413	0.001645017	0
2065 Feb	0.000935534	0.142089665	9.73366E-06	1.408676624	2.672193527	0.051460505	0.000246929	4.910045624	0.001292422	0.010119386	0.000424216	0.000164609	7.73694E-05	0.106142752	1.94673E-06	6.54883E-05	0.00070459	0.001645346	0
2065 Mar	0.000936903	0.142298862	9.74778E-06	1.410744786	2.676140785	0.05153719	0.000247288	4.917267323	0.001294313	0.010134107	0.000424838	0.000164848	7.74823E-05	0.1062994	1.94955E-06	6.55836E-05	0.00070563	0.001647729	0
2065 Apr	0.000940859	0.142900422	9.78886E-06	1.416705251	2.687460899	0.051755589	0.00024833	4.938049793	0.001299778	0.010176846	0.000426633	0.000165543	7.78092E-05	0.106748976	1.95777E-06	6.58603E-05	0.000708615	0.001654673	0
2065 May	0.000960579	0.147325516	9.89082E-06	1.454099894	2.779998064	0.054258987	0.000248988	5.074835777	0.001329532	0.01032075	0.000448936	0.000169358	8.03541E-05	0.110288665	1.97816E-06	6.68114E-05	0.000735778	0.00167653	0
2065 Jun	0.000924754	0.144831017	9.43397E-06	1.416567683	2.73858285	0.054814659	0.00022675	4.937175274	0.00129273	0.009876023	0.000456476	0.000168889	7.92176E-05	0.108414195	1.88679E-06	6.36446E-05	0.000738952	0.001626498	0
2065 Jul	0.000970881	0.151728153	9.97611E-06	1.485083461	2.860570669	0.057056852	0.000237205	5.167125225	0.001359104	0.010413104	0.000474819	0.000179083	8.29201E-05	0.113287896	1.99522E-06	6.69398E-05	0.000774167	0.001724649	0
2065 Aug	0.001015023	0.15807727	1.0451E-05	1.550552726	2.980177641	0.059215046	0.000250205	5.396137714	0.001419286	0.01088774	0.000492307	0.000185871	8.64855E-05	0.118094981	2.0902E-06	7.00213E-05	0.000802768	0.001799631	0
2065 Sep	0.000987686	0.151496172	1.01879E-05	1.496751428	2.859550238	0.055803459	0.000256495	5.220981121	0.001368957	0.010622996	0.000461431	0.000174754	8.27273E-05	0.113470361	2.03759E-06	6.87809E-05	0.000757783	0.001729168	0
2065 Oct	0.000942869	0.140801728	9.71165E-06	1.404384971	2.660706997	0.050205097	0.000266344	4.923109531	0.001282264	0.010197232	0.000411207	0.000156579	7.61392E-05	0.105723992	1.94233E-06	6.68523E-05	0.00068625	0.001609222	0
2065 Nov	0.0009411	0.139843538	9.69089E-06	1.39730835	2.643163443	0.049553834	0.000269748	4.902797699	0.001275393	0.010188324	0.000405114	0.000154423	7.54815E-05	0.10505373	1.93818E-06	6.69435E-05	0.000678214	0.001598666	0
2065 Dec	0.000941318	0.139867961	9.69311E-06	1.397580862	2.643631458	0.049558915	0.000269856	4.903805733	0.001275638	0.010190801	0.000405147	0.000154438	7.5493E-05	0.10507264	1.93862E-06	6.69615E-05	0.000678293	0.00159895	0
2066 Jan	0.000941493	0.139894441	9.6946E-06	1.397840738	2.644162893	0.04956932	0.000269913	4.904761314	0.001275859	0.010192534	0.000405206	0.000154457	7.55044E-05	0.105093539	1.93892E-06	6.69737E-05	0.000678417	0.001599166	0
2066 Feb	0.000941972	0.139969781	9.69912E-06	1.398573995	2.645625353	0.049599025	0.00027004	4.90737009	0.001276509	0.010197437	0.000405418	0.000154532	7.55419E-05	0.105151229	1.93982E-06	6.70063E-05	0.000678793	0.001599907	0
2066 Mar	0.00094407	0.140283823	9.7205E-06	1.401701093	2.651582003	0.049711954	0.000270635	4.918362141	0.001279353	0.010219996	0.000406325	0.000154874	7.57096E-05	0.105387747	1.9441E-06	6.71547E-05	0.000680322	0.001603431	0
2066 Apr	0.0009468	0.140690714	9.74848E-06	1.405760765	2.659285069	0.049857087	0.000271414	4.932617188	0.001283052	0.010249456	0.000407501	0.000155321	7.59282E-05	0.105693772	1.9497E-06	6.73484E-05	0.000682299	0.001608045	0
2066 May	0.00095891	0.14267689	9.86144E-06	1.424762964	2.697845459	0.050675377	0.00027423	4.999862194	0.001299894	0.010372249	0.000414415	0.000157408	7.70204E-05	0.107209742	1.97229E-06	6.8153E-05	0.000692654	0.001627392	0
2066 Jun	0.00088753	0.133829877	9.34706E-06	1.329947352	2.505023956	0.047608156	0.000238562	4.621004581	0.001226623	0.009736328	0.000390285	0.000159654	7.23335E-05	0.09952911	1.86941E-06	6.30651E-05	0.000668256	0.001594957	0
2066 Jul	0.000927346	0.139304578	9.89862E-06	1.385855913	2.59120059	0.048887502	0.000246944	4.798532963	0.001285451	0.010251842	0.00040023	0.000170229	7.51691E-05	0.103035003	1.97973E-06	6.60586E-05	0.000695568	0.001698294	0
2066 Aug	0.000971126	0.145425662	1.03804E-05	1.448691487	2.703460932	0.050811581	0.000259758	5.017597198	0.00134413	0.010732563	0.000415777	0.000177014	7.85052E-05	0.107548639	2.07608E-06	6.91418E-05	0.000722244	0.001774319	0
2066 Sep	0.000975838	0.145159125	1.04325E-05	1.450772166	2.700539589	0.050321534	0.00026669	5.030750751	0.001345295	0.010792132	0.000410626	0.000175055	7.83008E-05	0.107499518	2.0865E-06	6.97375E-05	0.000715744	0.00177179	0
2066 Oct	0.000962419	0.141681731	1.02728E-05	1.421316504	2.63782692	0.048474021	0.000271698	4.939498425	0.00131665	0.01065906	0.000393923	0.000168265	7.61273E-05	0.105057418	2.05456E-06	6.92305E-05	0.000691187	0.001728168	0
2066 Nov	0.000959313	0.140823826	1.02352E-05	1.414158106	2.622395754	0.048005056	0.000273167	4.91758585	0.001309657	0.010628803	0.000389661	0.000166537	7.5585E-05	0.104457662	2.04705E-06	6.91292E-05	0.000684976	0.001717382	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Dec	0.00096	0.140917063	1.02425E-05	1.415122151	2.624142408	0.048033483	0.000273407	4.920994759	0.001310543	0.010636495	0.000389883	0.000166634	7.56335E-05	0.104527511	2.0485E-06	6.91811E-05	0.000685391	0.001718513	0
2067 Jan	0.000960203	0.140947357	1.02443E-05	1.41542089	2.624741554	0.048045035	0.000273472	4.922081947	0.001310802	0.010638544	0.000389952	0.000166658	7.56469E-05	0.104551136	2.04886E-06	6.91953E-05	0.000685533	0.001718783	0
2067 Feb	0.000960627	0.141013935	1.02484E-05	1.416069269	2.626024246	0.048070937	0.000273583	4.924376965	0.001311381	0.010642945	0.000390132	0.000166728	7.56795E-05	0.104601771	2.04968E-06	6.92243E-05	0.000685868	0.001719464	0
2067 Mar	0.000961706	0.141174585	1.02596E-05	1.417671442	2.629039049	0.048127457	0.000273884	4.929969788	0.001312854	0.01065473	0.000390574	0.000166912	7.5764E-05	0.104721613	2.05193E-06	6.93012E-05	0.000686655	0.001721352	0
2067 Apr	0.000964017	0.141515285	1.02842E-05	1.421086311	2.635396957	0.048244603	0.000274539	4.941857338	0.001316009	0.010680247	0.000391515	0.000167312	7.59458E-05	0.104974717	2.05683E-06	6.94673E-05	0.000688315	0.001725465	0
2067 May	0.000985706	0.146171138	1.04133E-05	1.461148977	2.731726408	0.050787162	0.000275857	5.087452412	0.001348487	0.010848512	0.000414068	0.000171476	7.86208E-05	0.108674526	2.08265E-06	7.05679E-05	0.000716296	0.001751637	0
2067 Jun	0.000965343	0.146775067	1.00331E-05	1.451318979	2.757317781	0.053061895	0.000255853	5.055115223	0.00133279	0.01050331	0.000436881	0.000172318	7.93514E-05	0.109396853	2.00662E-06	6.81101E-05	0.000735323	0.001710567	0
2067 Jul	0.001020735	0.154894009	1.06562E-05	1.532099724	2.903081417	0.055695962	0.000269726	5.331403732	0.001409654	0.01113099	0.000458454	0.000183009	8.36749E-05	0.115213446	2.13124E-06	7.20404E-05	0.000774711	0.00181802	0
2067 Aug	0.001049674	0.158404469	1.09857E-05	1.568157434	2.961436033	0.056441586	0.000277877	5.459713936	0.001444434	0.011439736	0.000464724	0.000185925	8.54845E-05	0.117594235	2.19713E-06	7.39072E-05	0.000783854	0.001861579	0
2067 Sep	0.001056498	0.158534393	1.10702E-05	1.574675679	2.966043234	0.056131989	0.000284855	5.486671925	0.001449946	0.011521637	0.000461072	0.000184699	8.55881E-05	0.117861122	2.21404E-06	7.46123E-05	0.000779601	0.001865409	0
2067 Oct	0.001026925	0.152040258	1.07463E-05	1.517571807	2.84685564	0.052936133	0.000288778	5.301753998	0.001395839	0.011225649	0.000432596	0.000173759	8.1677E-05	0.113203347	2.14925E-06	7.31678E-05	0.000737667	0.001788956	0
2067 Nov	0.001024726	0.151240006	1.072E-05	1.511315346	2.832412243	0.0524478	0.000290905	5.283166885	0.001389729	0.011207728	0.000428076	0.000172055	8.11523E-05	0.11264734	2.144E-06	7.31597E-05	0.000731445	0.00177953	0
2067 Dec	0.001025546	0.151352391	1.07285E-05	1.512470365	2.834527016	0.052482892	0.000291188	5.287265301	0.001390784	0.011216819	0.000428353	0.000172168	8.12108E-05	0.112731785	2.1457E-06	7.3221E-05	0.000731946	0.001780852	0
2068 Jan	0.001025826	0.151394248	1.07311E-05	1.512883425	2.835347652	0.052498646	0.000291276	5.288759708	0.001391146	0.011219683	0.000428453	0.000172204	8.12301E-05	0.112764172	2.14622E-06	7.32407E-05	0.000732143	0.001781244	0
2068 Feb	0.001026191	0.15145272	1.07344E-05	1.513446212	2.836488724	0.052522402	0.000291368	5.290768623	0.001391641	0.011223347	0.000428613	0.000172261	8.1258E-05	0.112809062	2.14689E-06	7.3265E-05	0.000732438	0.001781793	0
2068 Mar	0.001028213	0.151753739	1.07553E-05	1.516442418	2.842150927	0.052628674	0.000291936	5.30126524	0.001394384	0.011245287	0.000429462	0.000172598	8.14176E-05	0.113033988	2.15107E-06	7.34085E-05	0.000733901	0.001785259	0
2068 Apr	0.001036234	0.152938992	1.08391E-05	1.528279662	2.864362955	0.053040776	0.00029421	5.342658997	0.001405261	0.011332911	0.000432814	0.000173943	8.20524E-05	0.113917217	2.16782E-06	7.39806E-05	0.000739636	0.00179916	0
2068 May	0.001051652	0.156680524	1.09045E-05	1.559218884	2.943459511	0.055267286	0.00029368	5.45599556	0.001429439	0.011433841	0.00045278	0.00017716	8.42402E-05	0.116932318	2.18089E-06	7.46373E-05	0.000763357	0.001815159	0
2068 Jun	0.000952381	0.146629646	9.74266E-06	1.43955493	2.765024185	0.054162454	0.000245391	5.026318073	0.001315573	0.010250937	0.000448719	0.000169426	7.93709E-05	0.109503761	1.94853E-06	6.64456E-05	0.000738742	0.001662753	0
2068 Jul	0.000975665	0.149501011	1.00912E-05	1.469105601	2.803925514	0.054531254	0.000249772	5.117703438	0.001348722	0.010561058	0.00045148	0.000175442	8.07786E-05	0.111122012	2.01825E-06	6.81454E-05	0.000750411	0.001725211	0
2068 Aug	0.001029077	0.157271758	1.0659E-05	1.547375798	2.948438883	0.057167996	0.000264622	5.391407967	0.001420966	0.011138479	0.000473093	0.000184006	8.50144E-05	0.116895534	2.13179E-06	7.18644E-05	0.000786142	0.001816684	0
2068 Sep	0.001030776	0.156286195	1.06864E-05	1.543745995	2.932156801	0.056301024	0.000272161	5.38537693	0.001416955	0.011170668	0.000464508	0.000180968	8.44143E-05	0.116338633	2.13727E-06	7.23258E-05	0.000774849	0.001807565	0
2068 Oct	0.00103275	0.155888796	1.07036E-05	1.542322755	2.925401449	0.055855289	0.00027667	5.384982586	0.001415187	0.011201642	0.000460093	0.000179405	8.40659E-05	0.116097771	2.14071E-06	7.26821E-05	0.000769537	0.00180319	0
2068 Nov	0.001036314	0.156371772	1.07402E-05	1.547299385	2.9345207 21	0.056004394	0.000277939	5.402719021	0.001419717	0.011241048	0.000461263	0.000179873	8.43158E-05	0.116461828	2.14805E-06	7.29501E-05	0.000771657	0.001808794	0
2068 Dec	0.001036987	0.15646705	1.07472E-05	1.5482651	2.93631506	0.056035742	0.000278156	5.406132698	0.001420598	0.011248441	0.000461514	0.000179973	8.43659E-05	0.116533294	2.14944E-06	7.29995E-05	0.000772096	0.001809898	0
2069 Jan	0.001037153	0.156492203	1.07487E-05	1.548511505	2.936812401	0.056045495	0.000278207	5.407028675	0.001420812	0.011250109	0.000461575	0.000179993	8.43773E-05	0.116552874	2.14973E-06	7.3011E-05	0.000772216	0.001810121	0
2069 Feb	0.001037392	0.156531304	1.07508E-05	1.54888463	2.937577248	0.056061756	0.000278264	5.408360481	0.001421139	0.011252484	0.000461685	0.000180031	8.43959E-05	0.116582908	2.15016E-06	7.30267E-05	0.000772416	0.00181048	0
2069 Mar	0.001037544	0.156555846	1.07522E-05	1.549119949	2.938054562	0.056071773	0.000278301	5.409198284	0.001421347	0.01125401	0.000461754	0.000180056	8.44078E-05	0.116601691	2.15044E-06	7.30368E-05	0.000772541	0.001810713	0
2069 Apr	0.001039601	0.156867296	1.07734E-05	1.552197337	2.94390893	0.056184024	0.000278851	5.419952869	0.001424165	0.011276262	0.000462671	0.000180412	8.45749E-05	0.116833933	2.15469E-06	7.31813E-05	0.00077408	0.001814286	0
2069 May	0.001060041	0.160079479	1.09764E-05	1.583431959	3.00503087	0.057415653	0.000283922	5.529540539	0.001452427	0.011491807	0.000472958	0.000183998	8.6322E-05	0.119248286	2.19528E-06	7.45813E-05	0.000790402	0.001848889	0
2069 Jun	0.000985378	0.149572939	1.04682E-05	1.478093147	2.779866934	0.053178616	0.000253162	5.115365505	0.001370536	0.010852984	0.000437722	0.000183756	8.06677E-05	0.110381216	2.09364E-06	6.96292E-05	0.000752852	0.001808722	0
2069 Jul	0.001009537	0.15279153	1.08502E-05	1.51160419	2.825225353	0.053729206	0.000257458	5.21498251	0.001408362	0.011196636	0.000441645	0.000191714	8.2307E-05	0.112259261	2.17003E-06	7.15375E-05	0.000769923	0.001884419	0
2069 Aug	0.001038191	0.156374931	1.11821E-05	1.551219225	2.89069128	0.054657239	0.000267464	5.354141235	0.00144556	0.011510049	0.000448731	0.000195045	8.435E-05	0.114953749	2.23643E-06	7.35641E-05	0.00078207	0.001931149	0
2069 Sep	0.001011503	0.150429755	1.08903E-05	1.501105666	2.784799099	0.05179631	0.000271994	5.19371891	0.00139716	0.011228606	0.000423044	0.000184322	8.09735E-05	0.110861994	2.17807E-06	7.22065E-05	0.000742267	0.001858067	0
2069 Oct	0.000970396	0.141120091	1.04082E-05	1.419734597	2.617250204	0.047217797	0.000279931	4.936215401	0.001318316	0.010802908	0.000382131	0.0001672	7.53259E-05	0.104308784	2.08164E-06	7.02524E-05	0.000680309	0.001739711	0
2069 Nov	0.000969435	0.140231982	1.03886E-05	1.413560152	2.601926804	0.046591889	0.000284101	4.920455456	0.001311845	0.010799381	0.000376199	0.00016478	7.46995E-05	0.103726014	2.07773E-06	7.04124E-05	0.000672191	0.001727956	0
2069 Dec	0.000969819	0.140279338	1.03926E-05	1.414067984	2.602818489	0.046604022	0.000284262	4.922285557	0.001312308	0.010803737	0.000376287	0.00016482	7.47231E-05	0.103761867	2.07853E-06	7.04428E-05	0.000672376	0.001728531	0
2070 Jan	0.000969888	0.140290156	1.0393E-05	1.414170027	2.603059292	0.046609141	0.000284289	4.922694683	0.001312382	0.010804276	0.000376301	0.00016482	7.47257E-05	0.103771187	2.0786E-06	7.04473E-05	0.000672423	0.001728552	0
2070 Feb	0.000969952	0.140304506	1.03932E-05	1.414291263	2.603374481	0.046617649	0.000284296	4.923160553	0.001312471	0.010804655	0.000376336	0.000164827	7.47299E-05	0.103783213	2.07864E-06	7.04502E-05	0.000672505	0.00172858	0
2070 Mar	0.000970648	0.140407816	1.04004E-05	1.415320039	2.605318069	0.046654012	0.000284493	4.926765919	0.001313413	0.010812217	0.000376612	0.000164943	7.47831E-05	0.103860408	2.08007E-06	7.04997E-05	0.000673008	0.001729771	0
2070 Apr	0.000974748	0.14100574	1.04438E-05	1.42132473	2.616460085	0.04685631	0.000285682	4.947710991	0.001318962	0.01085756	0.000378213	0.000165635	7.50982E-05	0.104304083	2.08876E-06	7.07958E-05	0.000675886	0.001736994	0
2070 May	0.000992798	0.144976288	1.05458E-05	1.455255628	2.699008226	0.049066003	0.000286452	5.071169853	0.001346278	0.010993373	0.000397771	0.000169161	7.73837E-05	0.107470624	2.10917E-06	7.16827E-05	0.000700013	0.001758255	0
2070 Jun	0.000976286	0.146777213	1.01673E-05	1.455103159	2.751441479	0.052168265	0.00026555	5.074714184	0.001337578	0.010659854	0.000428079	0.000170884	7.88818E-05	0.109214559	2.03346E-06	6.93029E-05	0.000727148	0.001719345	0
2070 Jul	0.001015064	0.152314588	1.06312E-05	1.510648847	2.847362995	0.053803805	0.000274999	5.261311531	0.001391971	0.011116767	0.000441307	0.000179006	8.17943E-05	0.11306157	2.12624E-06	7.21044E-05	0.000753872	0.001800965	0
2070 Aug	0.001051186	0.157150015	1.10293E-05	1.560324311	2.934150696	0.05519269	0.000285635	5.436089039	0.001438585	0.011508238	0.000452612	0.00018385	8.43868E-05	0.116562612	2.20586E-06	7.45855E-05	0.000772466	0.001860024	0
2070 Sep	0.001027085	0.15145497	1.07738E-05	1.512694359	2.831087112	0.052303631	0.000291209	5.283402443	0.001393161	0.011267406	0.000426547	0.00017376	8.10579E-05	0.112581663	2.15476E-06	7.34879E-05	0.000733853	0.001793822	0
2070 Oct	0.001003768	0.146049142	1.05146E-05	1.46593678	2.732419014	0.049567744	0.00029602	5.133838654	0.001348558	0.011035815	0.000402022	0.000164233	7.77746E-05	0.108734645	2.10293E-06	7.24314E-05	0.000697878	0.001729481	0
2070 Nov	0.001003554	0.145793989	1.05107E-05	1.46421051	2.727920055	0.049380887	0.000297257	5.129371166	0.001346793	0.011036214	0.000400247	0.000163563	7.75937E-05	0.108564444	2.10215E-06	7.24856E-05	0.00069553	0.001726423	0
2070 Dec	0.001003735	0.145814016	1.05126E-05	1.464434743	2.72830224	0.049384866	0.000297347	5.13020134	0.001346994	0.01103828	0.000400272	0.000163575	7.76031E-05	0.108579911	2.10252E-06	7.25006E-05	0.000695595	0.001726659	0
2071 Jan	0.001003801	0.145824209	1.0513E-05	1.464532614	2.72852087	0.049389374	0.000297372	5.130580425	0.00134707	0.011038849	0.000400287	0.000163577	7.76062E-05	0.10858842	2.1026E-06	7.2505E-05	0.00069564	0.001726702	0
2071 Feb	0.001003854	0.145835668	1.05132E-05	1.464630842	2.728770018	0.049395971	0.000297378	5.130955219	0.001347144	0.011039193	0.000400316	0.000163583	7.76098E-05	0.108597957	2.10264E-06	7.25075E-05	0.000695705	0.001726733	0
2071 Mar	0.001004036	0.145864099	1.05149E-05	1.464906931	2.729320765	0.04940708	0.000297427	5.131939411	0.001347389	0.011041057	0.000400392	0.000163611	7.76235E-05	0.108619675	2.10299E-06	7.25199E-05	0.000695846	0.001727012	0
2071 Apr	0.001005876	0.146132618	1.05341E-05	1.467598438	2.734355927	0.049498878	0.000297969	5.141377926	0.001349859	0.01106122	0.000401128	0.00016391	7.77656E-05	0.108819939	2.10682E-06	7.26525E-05	0.00069713	0.001730159	0
2071 May	0.001013682	0.148971468	1.05102E-05	1.488645792	2.797496319	0.051542152	0.000294378	5.22025156	0.001364519	0.01107032	0.000419869	0.00016608	7.95085E-05	0.111185417	2.10205E-06	7.2694E-05	0.000717356	0.001732475	0
2071 Jun	0.000964761	0.146122158	9.87691E-06	1.442266703	2.75440979	0.052852552	0.00026134	5.048493385	0.001317786	0.010432122	0.000435373	0.000165901	7.85482E-05	0.109167807	1.97538E-06	6.80786E-05	0.000725423	0.001663547	0
2071 Jul	0.000981299	0.148320004	1.0144E-05	1.465236187	2.784836769	0.053209241	0.000264191	5.115942001	0.001343997	0.010671224	0.000437857	0.000171557	7.96664E-05	0.110431619	2.0288E-06	6.93984E-05	0.000737283	0.001717036	0
2071 Aug	0.001020607	0.153833374	1.0568E-05	1.522446275	2.888293505	0.055004034	0.000276449	5.31661272	0.001396686	0.011098476	0.000452237	0.00017735	8.27152E-05	0.114593081	2.11361E-06	7.21954E-05	0.000761541	0.001783089	0
2071 Sep	0.001004778	0.149762213	1.04319E-05	1.491971135	2.815711737	0.052875798	0.000281699	5.217829227	0.001367939	0.010941263	0.000432673	0.000170122	8.05922E-05	0.111872435	2.08638E-06	7.14886E-05	0.000732189	0.001740649	0
2071 Oct	0.000992052	0.146727204	1.02939E-05	1.465848565	2.759769678	0.051300868	0.000284611	5.134080887	0.001343222	0.010817977	0.000418537	0.000164831	7.8734E-05	0.109694146	2.05877E-06	7.09351E-05	0.000711771	0.001705638	0
2071 Nov	0.000990117	0.145561293	1.02692E-05	1.457404375	2.738712072	0.050501123	0.000289065	5.110415936	0.001334889	0.010808696	0.000411031	0.000162084	7.79332E-05	0.108891726	2.05384E-06	7.10688E-05	0.000701769	0.001692291	0
2071 Dec	0.000990309	0.145528659	1.02709E-05	1.457300544	2.738158941	0.050462529	0.000289467	5.110462189	0.001334753	0.010811607	0.000410648	0.000161948	7.79035E-05	0.108872131	2.05417E-06	7.11014E-05	0.000701309	0.001691927	0
2072 Jan	0.000990447	0.145549744	1.02719E-05	1.457504749	2.738598108	0.050471358	0.000289516	5.111236572	0.001334918	0.01081288	0.000410686	0.000161958	7.7911E-05	0.108889289	2.05438E-06	7.11108E-05	0.000701405	0.001692052	0
2072 Feb	0.000990579	0.145574898	1.02727E-05	1.457730055	2.739124775	0.050484281	0.00028954	5.112074852	0.001335098	0.010813934	0.00041075	0.000161975	7.79203E-05	0.108909644	2.05454E-06	7.11182E-05	0.000701542	0.00169218	0
2072 Mar	0.00099079	0.145609006	1.02746E-05	1.458057165	2.739795446	0.050498385	0.000289593	5.113248348	0.001335383	0.010816026	0.000410843	0.000162007	7.79362E-05	0.108936004	2.05492E-06	7.11322E-05	0.000701714	0.001692488	0
2072 Apr	0.000993955	0.146076009	1.03072E-05	1.462725282	2.748598576	0.050661612	0.000290514	5.129633427	0.001339651	0.010850469	0.000412158	0.000162523	7.81849E-05	0.109285846	2.06145E-06	7.13589E-05	0.00070397	0.001697866	0
2072 May	0.001010332	0.148486257	1.04768E-05	1.486845136	2.793971539	0.051499702	0.000295289	5.214232445	0.001361731	0.011029083	0.000418976	0.000165202	7.94749E-05	0.111089587	2.09537E-06	7.25336E-05	0.000715597	0.001725813	0
2072 Jun	0.000960456	0.140828982	1.02988E-05	1.413366556	2.614602566	0.047680039	0.000273231	4.906126022	0.001312518	0.010703855	0.00038627	0.000169293	7.52643E-05	0.104127385	2.05976E-06	6.95451E-05	0.000688501	0.001738805	0
2072 Jul	0.000970545	0.141692311	1.05166E-05	1.42273581	2.614314318	0.047292117	0.000273492	4.926395893	0.001327591	0.010871123	0.000382923	0.000173117	7.55803E-05	0.104192607	2.10331E-06	7.02725E-05	0.000689792	0.001779145	0
2072 Aug	0.0009626	0.138621345	1.05034E-05	1.407794476	2.563715458	0.045556359	0.000281138	4.880154133	0.001313006	0.010773081	0.000366365	0.000166261	7.45676E-05	0.102489434	2.10067E-06	6.98689E-05	0.000661117	0.001749379	0
2072 Sep	0.000948325	0.134835586	1.03824E-05	1.382190824	2.500393391	0.043660637	0.000287299	4.799334049	0.001287721	0.010615304	0.000348629	0.000158726	7.28423E-05	0.100178987	2.07648E-06	6.91862E-05	0.000632334	0.00170645	0
2072 Oct	0.000923505	0.129379243	1.00761E-05	1.333117247	2.402379036	0.041030843	0.000291426	4.644860744	0.001239826	0.010354712	0.000325287	0.000148566	6.94502E-05	0.096313059	2.01522E-06	6.79844E-05	0.000596696	0.001633907	0
2072 Nov	0.000921884	0.128795162	1.0052E-05	1.328387856	2.392128706	0.040683419	0.000293071	4.631360531	0.001235021	0.010339721	0.000322083	0.000147193	6.90532E-05	0.095913582	2.0104E-06	6.79777E-05	0.000592113	0.001625875	0
2072 Dec	0.000922081	0.128816649	1.00541E-05	1.328631759	2.392538309	0.040687423	0.000293171	4.632261753	0.001235241	0.010341993	0.000322107	0.000147206	6.90633E-05	0.095930196	2.01081E-06	6.79943E-05	0.00059218	0.001626135	0
2073 Jan	0.00092218	0.128831699	1.00548E-05	1.328777671	2.392850637	0.040693693	0.000293206	4.632813931	0.00123536	0.010342906	0.000322135	0.000147213	6.90687E-05	0.095942415	2.01096E-06	6.8001E-05	0.000592248	0.001626227	0
2073 Feb	0.000922312	0.128854707	1.00558E-05	1.328992367	2.393318176	0.040704295	0.000293236	4.633597374	0.001235539	0.010344107	0.000322192	0.000147231	6.90781E-05	0.095960647	2.01116E-06	6.80092E-05	0.000592368	0.00162639	0
2073 Mar	0.000922718	0.128913835	1.006E-05	1.329589725	2.394438267	0.040724788	0.000293358	4.635700226	0.001236084	0.010348501	0.00032234	0.000147294	6.91083E-05	0.096005276	2.012E-06	6.80383E-05	0.000592647	0.001627067	0
2073 Apr	0.000929282	0.129832312	1.01314E-05	1.339055657	2.411510706	0.04101599	0.000295442	4.668714523	0.001244878	0.010422029	0.000324637	0.000148341	6.95998E-05	0.096689641	2.02629E-06	6.85218E-05	0.000596874	0.00163862	0
2073 May	0.000947346	0.134947732	1.0163E-05	1.379000545	2.521345139	0.044315863	0.000292073	4.81644392	0.001274795	0.01050979	0.000354616	0.000152613	7.26105E-05	0.100834116	2.0326E-06	6.90711E-05	0.000631135	0.001653186	0
2073 Jun	0.000934277	0.138156354	9.79651E-06	1.387568831	2.599252224	0.048299596	0.000267544	4.847583294	0.001274054	0.010203981	0.000393219	0.000157069	7.48127E-05	0.103497028	1.9593E-06	6.67444E-05	0.000670238	0.001626164	0
2073 Jul	0.000959935	0.141633525	1.01104E-05	1.422674894	2.657352209	0.049198031	0.000273809	4.965724945	0.001308966	0.010505679	0.000400501	0.000162015	7.66143E-05	0.105842493	2.02209E-06	6.85595E-05	0.000685219	0.001678852	0
2073 Aug	0.000993316	0.146053836	1.04795E-05	1.468575239	2.737058878	0.050451975	0.000284	5.12743187	0.00135196	0.01086744	0.00041062	0.000166344	7.90019E-05	0.109066039	2.0959E-06	7.08659E-05	0.000701903	0.001732972	0
2073 Sep	0.000987986	0.144185111	1.04365E-05	1.456040263	2.704645157	0.049363248	0.000288738	5.089131355	0.001339778	0.010818443	0.000400369	0.000162489	7.80096E-05	0.107872307	2.0873E-06	7.07632E-05	0.000686921	0.001713314	0
2073 Oct	0.000964819	0.138973996	1.01752E-05	1.409969568	2.608951092	0.04675683	0.000292597	4.941173553	0.001295944	0.010588673	0.000377124	0.0001535	7.47965E-05	0.104121305	2.03504E-06	6.96873E-05	0.000653	0.001650957	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Nov	0.000961648	0.138102621	1.0138E-05	1.402632952	2.593065262	0.046274956	0.000294042	4.918447018	0.001288871	0.010559281	0.000372746	0.000151823	7.42372E-05	0.103502363	2.0276E-06	6.95904E-05	0.000646819	0.001640506	0
2073 Dec	0.00096228	0.138186768	1.01446E-05	1.403512001	2.594652891	0.046300061	0.000294275	4.921578884	0.001289674	0.01056632	0.00037294	0.000151904	7.4281E-05	0.103565976	2.02892E-06	6.96384E-05	0.000647179	0.001641504	0
2074 Jan	0.000962408	0.13820599	1.01456E-05	1.403700233	2.595044136	0.046307739	0.000294319	4.922280312	0.001289831	0.010567551	0.000372979	0.000151915	7.42886E-05	0.103581332	2.02913E-06	6.96472E-05	0.000647267	0.001641644	0
2074 Feb	0.000962496	0.138222918	1.01462E-05	1.403851509	2.595399857	0.046316519	0.000294335	4.922843933	0.001289951	0.010568244	0.000373022	0.000151926	7.42948E-05	0.103595078	2.02923E-06	6.96521E-05	0.000647359	0.001641727	0
2074 Mar	0.000963093	0.138310954	1.01522E-05	1.404734254	2.597073317	0.046347708	0.000294511	4.925957203	0.001290752	0.010576646	0.000373258	0.000152019	7.43405E-05	0.103661627	2.03045E-06	6.96945E-05	0.000647778	0.001642708	0
2074 Apr	0.000968756	0.139125496	1.02118E-05	1.413000464	2.612379789	0.046621632	0.000296239	4.954955578	0.001298342	0.010636735	0.000375455	0.000152912	7.47773E-05	0.104272433	2.04236E-06	7.01038E-05	0.000651597	0.001652345	0
2074 May	0.000987759	0.145185694	1.02086E-05	1.458870888	2.743994236	0.050734911	0.000290213	5.124983788	0.001331803	0.010702823	0.000413033	0.000158006	7.83914E-05	0.109214641	2.04171E-06	7.04885E-05	0.000693806	0.001665079	0
2074 Jun	0.000942034	0.144123435	9.47682E-06	1.422549367	2.744252443	0.053554349	0.000254312	4.999277592	0.001288789	0.010021823	0.000442748	0.000157665	7.8379E-05	0.108748212	1.89536E-06	6.56833E-05	0.000714772	0.001580889	0
2074 Jul	0.000982718	0.150054872	9.94318E-06	1.481728911	2.849767447	0.055438723	0.00026435	5.200598717	0.00134555	0.010487327	0.000458145	0.000165725	8.15384E-05	0.112965897	1.98864E-06	6.85764E-05	0.000743508	0.001661803	0
2074 Aug	0.001036947	0.158089519	1.05023E-05	1.562338948	3.001765966	0.058291264	0.000279687	5.48397398	0.001419	0.011066516	0.000481557	0.000174298	8.59342E-05	0.119020812	2.10047E-06	7.23613E-05	0.000781451	0.001752147	0
2074 Sep	0.001023259	0.154308125	1.03838E-05	1.533157349	2.932311535	0.056185905	0.000285354	5.38969183	0.001391922	0.01094375	0.000462237	0.000167732	8.37783E-05	0.116388097	2.07676E-06	7.1877E-05	0.000754192	0.001714624	0
2074 Oct	0.001010031	0.150730342	1.02482E-05	1.503222108	2.865288496	0.054175276	0.000290438	5.294121265	0.001364003	0.010828383	0.000444002	0.000161491	8.15198E-05	0.113789722	2.04965E-06	7.14477E-05	0.000729192	0.0016766	0
2074 Nov	0.001009855	0.15050298	1.02463E-05	1.501675129	2.861090183	0.054002684	0.000291502	5.289908886	0.001362505	0.010829812	0.000442367	0.000160945	8.13563E-05	0.113630936	2.04926E-06	7.14987E-05	0.000727128	0.001674294	0
2074 Dec	0.001010387	0.150574863	1.02517E-05	1.502419114	2.862461567	0.054025121	0.000291697	5.292575359	0.001363176	0.010835642	0.000442543	0.000161011	8.13937E-05	0.11368569	2.05034E-06	7.15387E-05	0.000727439	0.001675102	0
2075 Jan	0.001010526	0.150595814	1.02528E-05	1.502624035	2.86288619	0.054033503	0.000291743	5.293335438	0.001363348	0.010836983	0.000442588	0.000161024	8.14023E-05	0.113702372	2.05056E-06	7.15483E-05	0.000727536	0.00167526	0
2075 Feb	0.001010758	0.150634244	1.02548E-05	1.502989531	2.863650322	0.05404998	0.0002918	5.294653893	0.001363663	0.010839224	0.000442694	0.000161058	8.14201E-05	0.113732323	2.05096E-06	7.15634E-05	0.000727732	0.001675582	0
2075 Mar	0.001011886	0.15080449	1.02661E-05	1.504678726	2.866905451	0.054112546	0.000292121	5.30062151	0.001365186	0.010851189	0.000443191	0.000161237	8.15105E-05	0.113861389	2.05321E-06	7.16426E-05	0.00072856	0.001677418	0
2075 Apr	0.001017248	0.151604697	1.03203E-05	1.512657166	2.882128	0.054400519	0.000293665	5.328737259	0.00137242	0.010908602	0.000445541	0.00016209	8.19421E-05	0.114465855	2.06407E-06	7.20217E-05	0.000732429	0.001686286	0
2075 May	0.001033882	0.15470241	1.04524E-05	1.540783048	2.944084883	0.055881642	0.000296233	5.429316044	0.001396416	0.011060919	0.000458413	0.000165162	8.36828E-05	0.116872661	2.09048E-06	7.30147E-05	0.000749879	0.001710476	0
2075 Jun	0.000941794	0.140202373	9.98587E-06	1.401503563	2.619677544	0.048925906	0.000260939	4.871136189	0.0012949	0.010380147	0.000398978	0.00016653	7.56223E-05	0.104232058	1.99717E-06	6.73954E-05	0.000691613	0.001689859	0
2075 Jul	0.000936871	0.138907567	1.01317E-05	1.390694857	2.572547674	0.047592349	0.000255821	4.806780815	0.00129568	0.010448713	0.000387187	0.000171584	7.47789E-05	0.102471001	2.02634E-06	6.73386E-05	0.0006875	0.001732559	0
2075 Aug	0.000963353	0.1422766	1.04351E-05	1.426937222	2.633203506	0.048475001	0.000264525	4.934024811	0.001329856	0.010738895	0.000394089	0.000174844	7.66434E-05	0.104950562	2.08701E-06	6.91951E-05	0.000699327	0.001776083	0
2075 Sep	0.000974732	0.143444762	1.05611E-05	1.441517711	2.65620327	0.048669167	0.000270681	4.98746109	0.001343004	0.010868271	0.000395025	0.000175389	7.72753E-05	0.105910867	2.11221E-06	7.01395E-05	0.000702191	0.001791196	0
2075 Oct	0.00096945	0.141722903	1.04906E-05	1.427601576	2.625769615	0.047675781	0.000274834	4.946628571	0.001329074	0.010817811	0.0003859	0.000171549	7.61533E-05	0.104730852	2.09811E-06	7.00474E-05	0.000688954	0.001768438	0
2075 Nov	0.000971768	0.141875073	1.0513E-05	1.429808021	2.628877401	0.047645584	0.000276602	4.955725193	0.001330937	0.010845337	0.000385443	0.000171389	7.61964E-05	0.104861461	2.1026E-06	7.02718E-05	0.000688737	0.001770087	0
2075 Dec	0.00097228	0.141935542	1.05184E-05	1.430469275	2.630020142	0.047659632	0.000276833	4.958128452	0.001331538	0.010851182	0.00038554	0.000171435	7.62259E-05	0.104907542	2.10367E-06	7.03132E-05	0.000688957	0.001770822	0
2076 Jan	0.000972427	0.14195773	1.05195E-05	1.430685401	2.630476236	0.047668692	0.000276884	4.958939552	0.001331716	0.010852568	0.000385583	0.000171447	7.62343E-05	0.104925416	2.1039E-06	7.03233E-05	0.000689059	0.001770972	0
2076 Feb	0.000972856	0.142025799	1.05236E-05	1.431345701	2.63179183	0.047695607	0.000276993	4.961279869	0.001332304	0.010856982	0.000385764	0.000171518	7.6267E-05	0.104977302	2.10472E-06	7.03524E-05	0.000689403	0.001771654	0
2076 Mar	0.000973901	0.142181218	1.05346E-05	1.432898164	2.63470149	0.047750015	0.000277284	4.966688156	0.001333735	0.010868434	0.000386184	0.000171699	7.63484E-05	0.105093047	2.10692E-06	7.04269E-05	0.000690164	0.001773502	0
2076 Apr	0.000976913	0.142622694	1.0567E-05	1.437339425	2.642898798	0.047899511	0.000278137	4.982098579	0.001337861	0.010901941	0.000387382	0.000172228	7.65842E-05	0.105419844	2.1134E-06	7.06442E-05	0.000692311	0.001778958	0
2076 May	0.000996099	0.146892413	1.0669E-05	1.473580003	2.732065439	0.050302342	0.000278853	5.114564896	0.001366776	0.011042623	0.000408781	0.000175898	7.90471E-05	0.108834706	2.1338E-06	7.15702E-05	0.000718319	0.001800366	0
2076 Jun	0.000951846	0.145116553	9.97658E-06	1.43461895	2.718191385	0.05242154	0.000247804	4.982253551	0.001321806	0.010394772	0.000431712	0.00017385	7.85976E-05	0.107882567	1.99532E-06	6.70985E-05	0.000730937	0.001713925	0
2076 Jul	0.000968921	0.147357941	1.02306E-05	1.457695365	2.75062871	0.0528225	0.000251064	5.053336143	0.001347206	0.01062505	0.000434726	0.0001787	7.97317E-05	0.109218627	2.04612E-06	6.83887E-05	0.000741672	0.001761747	0
2076 Aug	0.001010356	0.153160855	1.06857E-05	1.517859221	2.85833478	0.054680806	0.000263552	5.263318539	0.001403077	0.011077809	0.000449655	0.000185016	8.29454E-05	0.113557152	2.13713E-06	7.13155E-05	0.000767046	0.001833156	0
2076 Sep	0.001022339	0.154361293	1.08167E-05	1.532930255	2.882037878	0.054861844	0.000270225	5.318976402	0.001416601	0.011214302	0.000450424	0.000185483	8.35793E-05	0.114546448	2.16334E-06	7.23215E-05	0.000769781	0.001848455	0
2076 Oct	0.000999987	0.149332777	1.05661E-05	1.488850594	2.790087938	0.052361991	0.00027388	5.177627087	0.001374548	0.01098821	0.000428142	0.00017667	8.05318E-05	0.110953435	2.11322E-06	7.1246E-05	0.000736604	0.001787624	0
2076 Nov	0.000997471	0.148585141	1.05363E-05	1.482728481	2.776559353	0.051937774	0.000275341	5.158964157	0.001368597	0.010964859	0.000424268	0.000175155	8.00547E-05	0.110429429	2.10726E-06	7.11805E-05	0.000731074	0.001778534	0
2076 Dec	0.000998029	0.148660898	1.05422E-05	1.483510733	2.777983904	0.051961076	0.000275537	5.161736965	0.001369313	0.010971072	0.00042445	0.000175232	8.00941E-05	0.110486358	2.10843E-06	7.12225E-05	0.000731411	0.001779438	0
2077 Jan	0.000998131	0.14867644	1.05429E-05	1.483661652	2.778305292	0.051967494	0.000275573	5.162306786	0.001369437	0.010972027	0.000424479	0.00017524	8.00998E-05	0.110498935	2.10858E-06	7.12295E-05	0.000731482	0.001779537	0
2077 Feb	0.000998303	0.14870584	1.05444E-05	1.48393774	2.778892756	0.051980574	0.000275612	5.163302898	0.001369673	0.010973654	0.000424558	0.000175266	8.01128E-05	0.110521898	2.10887E-06	7.12405E-05	0.000731635	0.001779773	0
2077 Mar	0.000998708	0.148768127	1.05484E-05	1.484549642	2.780077219	0.052003872	0.000275719	5.165451527	0.001370227	0.010977952	0.000424733	0.000175335	8.01447E-05	0.110568792	2.10968E-06	7.12686E-05	0.000731946	0.001780455	0
2077 Apr	0.00100243	0.149323821	1.05876E-05	1.490089417	2.7904737	0.052198999	0.000276744	5.184739113	0.001375335	0.011018788	0.000426318	0.000175987	8.04432E-05	0.11098215	2.11752E-06	7.15338E-05	0.000734683	0.001787069	0
2077 May	0.001015443	0.152434751	1.06421E-05	1.515862703	2.856345415	0.054041002	0.000276517	5.279606819	0.001395388	0.011103841	0.000442834	0.000178544	8.22556E-05	0.11349342	2.12843E-06	7.20948E-05	0.000754156	0.001799823	0
2077 Jun	0.000965208	0.148662165	9.97759E-06	1.462179542	2.79678154	0.054720007	0.000247104	5.089283466	0.001340971	0.010451645	0.000452561	0.00017563	8.06177E-05	0.110835858	1.99552E-06	6.75539E-05	0.000753351	0.001716126	0
2077 Jul	0.001007175	0.154848874	1.04897E-05	1.524141669	2.904356718	0.056633107	0.000256732	5.294706821	0.00140198	0.010955275	0.000467995	0.000185452	8.3914E-05	0.115145989	2.09795E-06	7.06272E-05	0.000785387	0.001810513	0
2077 Aug	0.001051684	0.16123031	1.0971E-05	1.589924693	3.024208546	0.058777053	0.000270004	5.524346828	0.001462646	0.011439338	0.000485282	0.000192461	8.74657E-05	0.119959921	2.19421E-06	7.37768E-05	0.000814489	0.001887378	0
2077 Sep	0.001012539	0.152650043	1.05948E-05	1.519286513	2.868672132	0.054626845	0.000274537	5.291545391	0.001396322	0.011036349	0.000448014	0.000178318	8.28318E-05	0.114010446	2.11896E-06	7.16758E-05	0.000757413	0.001792797	0
2077 Oct	0.001006395	0.150518075	1.05227E-05	1.502310157	2.829774857	0.053337213	0.000279724	5.240585804	0.001379878	0.01098485	0.000436152	0.000173868	8.14348E-05	0.112509631	2.10454E-06	7.161E-05	0.000740956	0.001767781	0
2077 Nov	0.001009139	0.150885254	1.05511E-05	1.506128907	2.836720228	0.053448234	0.000280733	5.254201889	0.001383355	0.011015368	0.000437013	0.000174222	8.16247E-05	0.112787418	2.11022E-06	7.18186E-05	0.000742551	0.001772094	0
2077 Dec	0.001009676	0.150959194	1.05567E-05	1.506889343	2.838116407	0.053471625	0.000280919	5.256898403	0.00138405	0.01102131	0.000437197	0.000174297	8.16634E-05	0.112843171	2.11134E-06	7.18588E-05	0.000742883	0.001772962	0
2078 Jan	0.001009885	0.150990531	1.05586E-05	1.507198691	2.838730812	0.053483512	0.000280983	5.258013725	0.001384321	0.011023445	0.000437274	0.000174324	8.16781E-05	0.11286743	2.11172E-06	7.18734E-05	0.000743032	0.001773258	0
2078 Feb	0.001010074	0.151022092	1.05603E-05	1.507498503	2.839355469	0.053497046	0.000281028	5.259090424	0.00138458	0.011025289	0.000437361	0.000174353	8.16926E-05	0.11289192	2.11205E-06	7.18857E-05	0.000743195	0.001773532	0
2078 Mar	0.001010383	0.151070029	1.05633E-05	1.507968903	2.840273857	0.053515308	0.00028111	5.260747433	0.001385004	0.011028539	0.000437497	0.000174405	8.17172E-05	0.112928249	2.11266E-06	7.19071E-05	0.000743436	0.001774042	0
2078 Apr	0.001017254	0.152098283	1.0635E-05	1.518228054	2.859615803	0.053880297	0.000283019	5.296547413	0.001394421	0.011103461	0.000440473	0.00017559	8.22726E-05	0.113697171	2.12701E-06	7.23957E-05	0.000748498	0.001786086	0
2078 May	0.001029688	0.157369033	1.05303E-05	1.555212855	2.979559422	0.057894275	0.000274984	5.439434052	0.001418085	0.011075194	0.000477579	0.000178825	8.54888E-05	0.118149549	2.10607E-06	7.22128E-05	0.000786732	0.001779635	0
2078 Jun	0.000992531	0.155479535	9.94284E-06	1.519782305	2.960744619	0.059368625	0.000250836	5.322443485	0.001377368	0.010528057	0.000494052	0.000175675	8.48403E-05	0.117083468	1.98857E-06	6.85056E-05	0.000792532	0.001700142	0
2078 Jul	0.001043359	0.163100198	1.04857E-05	1.594636917	3.100291252	0.062003754	0.000263249	5.581984997	0.001447149	0.011082455	0.000515974	0.000184805	8.89288E-05	0.122629017	2.09714E-06	7.20031E-05	0.000829224	0.001791705	0
2078 Aug	0.001067327	0.165910661	1.07622E-05	1.624896049	3.148219347	0.062575638	0.000270898	5.690005302	0.001476059	0.011337286	0.000520564	0.000186888	9.04458E-05	0.124607965	2.15244E-06	7.35791E-05	0.000835789	0.00182685	0
2078 Sep	0.00107723	0.166581824	1.08896E-05	1.637388587	3.16318202	0.062502027	0.000278173	5.736174583	0.001487297	0.011450847	0.000518874	0.00018652	9.09493E-05	0.12530598	2.17792E-06	7.44521E-05	0.000834376	0.001838531	0
2078 Oct	0.001068235	0.164261952	1.07986E-05	1.617824674	3.119681597	0.061226528	0.000280988	5.673160076	0.001469111	0.01137058	0.000507344	0.000182582	8.95048E-05	0.123618953	2.15971E-06	7.41224E-05	0.000818452	0.001813989	0
2078 Nov	0.00106845	0.164053291	1.08007E-05	1.616617084	3.115862846	0.061042745	0.000282382	5.670367718	0.001467906	0.011376861	0.000505573	0.000182	8.93445E-05	0.123477101	2.16014E-06	7.42133E-05	0.000816285	0.001811962	0
2078 Dec	0.001068851	0.164107427	1.08048E-05	1.617176771	3.116895676	0.061059646	0.000282529	5.672374725	0.001468411	0.011381253	0.000505705	0.000182049	8.93726E-05	0.123518333	2.16095E-06	7.42435E-05	0.00081652	0.001812569	0
2079 Jan	0.001068916	0.164117306	1.08052E-05	1.6172719	3.117107868	0.061063919	0.000282554	5.672746181	0.001468485	0.011381823	0.000505718	0.000182051	8.93754E-05	0.123526581	2.16103E-06	7.42479E-05	0.000816563	0.00181261	0
2079 Feb	0.001068968	0.164128438	1.08054E-05	1.61736691	3.11735034	0.061070364	0.00028256	5.673109531	0.001468556	0.011382146	0.000505745	0.000182057	8.93787E-05	0.123535864	2.16107E-06	7.42504E-05	0.000816626	0.001812637	0
2079 Mar	0.001069724	0.16424638	1.08128E-05	1.618521333	3.119607687	0.061115511	0.000282756	5.677175045	0.001469595	0.011390081	0.000506104	0.000182184	8.94414E-05	0.123625144	2.16257E-06	7.43023E-05	0.000817217	0.001813887	0
2079 Apr	0.001073932	0.164893478	1.08553E-05	1.624893427	3.1319084 17	0.061357014	0.000283866	5.699535847	0.001475376	0.011434816	0.000508096	0.000182899	8.97929E-05	0.124112487	2.17105E-06	7.45942E-05	0.000820439	0.001821004	0
2079 May	0.001091704	0.167783946	1.10241E-05	1.652662158	3.187741518	0.062530436	0.000288021	5.7975173	0.001500128	0.011616637	0.000517991	0.000185995	9.13827E-05	0.126310632	2.20482E-06	7.57803E-05	0.000835426	0.00184993	0
2079 Jun	0.000985658	0.15243274	1.02314E-05	1.498794079	2.865251303	0.056334112	0.000247714	5.20785284	0.00137636	0.010669875	0.000466527	0.000181846	8.29836E-05	0.113583148	2.04627E-06	6.87102E-05	0.000774956	0.001767213	0
2079 Jul	0.000979723	0.150811419	1.033E-05	1.485084534	2.815649748	0.054914724	0.00024405	5.140216827	0.001372448	0.010703963	0.000454046	0.000184769	8.19482E-05	0.111717045	2.06601E-06	6.85464E-05	0.000766775	0.001794833	0
2079 Aug	0.001018584	0.156221911	1.07566E-05	1.539904714	2.913290262	0.056581296	0.000254685	5.331860542	0.001423857	0.011124987	0.000467759	0.000190582	8.4871E-05	0.11564	2.15132E-06	7.11967E-05	0.000789272	0.001860785	0
2079 Sep	0.001005287	0.152406588	1.06197E-05	1.510377765	2.845266342	0.054476872	0.000261615	5.240165234	0.00139533	0.010997178	0.000448402	0.000183102	8.26497E-05	0.113051541	2.12395E-06	7.07621E-05	0.000760967	0.001817013	0
2079 Oct	0.000993506	0.149250373	1.04841E-05	1.4839468	2.787934065	0.052759979	0.000266485	5.157979965	0.00136984	0.010884672	0.000432825	0.00017704	8.067E-05	0.110824496	2.09682E-06	7.03558E-05	0.000738555	0.001779002	0
2079 Nov	0.00098902	0.147827551	1.04306E-05	1.472473979	2.762233734	0.051932298	0.000269619	5.123333931	0.001358659	0.010844467	0.000425228	0.0001741	7.97531E-05	0.109830961	2.08613E-06	7.02692E-05	0.000727845	0.001761831	0
2079 Dec	0.000985825	0.146763593	1.03922E-05	1.463980556	2.743043661	0.051302947	0.000272145	5.097891808	0.001350359	0.010816441	0.000419436	0.000171862	7.90627E-05	0.109090023	2.07843E-06	7.02233E-05	0.000719718	0.001748984	0
2080 Jan	0.000985904	0.146775812	1.03924E-05	1.464094877	2.743335724	0.051309165	0.000272183	5.098380089	0.001350432	0.010816968	0.000419439	0.000171854	7.90638E-05	0.109101228	2.07847E-06	7.02284E-05	0.000719766	0.001748954	0
2080 Feb	0.000986094	0.146811843	1.03936E-05	1.464418411	2.744086981	0.051327504	0.000272218	5.099580288	0.001350692	0.010818508	0.000419532	0.00017188	7.90773E-05	0.109130286	2.07871E-06	7.02391E-05	0.000719962	0.001749146	0
2080 Mar	0.000986237	0.146837309	1.03946E-05	1.464652896	2.744605303	0.051339537	0.000272247	5.100436687	0.001350887	0.010819779	0.000419599	0.0001719	7.90878E-05	0.109150454	2.07893E-06	7.02478E-05	0.000720097	0.001749321	0
2080 Apr	0.000988885	0.147234023	1.04223E-05	1.468599081	2.752043962	0.05147998	0.000272973	5.114200592	0.001354515	0.010848673	0.000420729	0.000172359	7.92996E-05	0.109446034	2.08446E-06	7.04356E-05	0.000722048	0.001753975	0
2080 May	0.00100589	0.149796441	1.05994E-05	1.494021177	2.800143719	0.052395679	0.000277568	5.202865124	0.001377865	0.011033708	0.000428244	0.00017533	8.06827E-05	0.111356072	2.11987E-06	7.16373E-05	0.000734725	0.001783862	0
2080 Jun	0.000947979	0.140688717	1.03291E-05	1.406936884	2.594539881	0.047971074	0.000254997	4.849899292	0.001315633	0.010621753	0.000390302	0.000177143	7.56294E-05	0.10335546	2.06583E-06	6.81649E-05	0.000699277	0.001778239	0
2080 Jul	0.000936584	0.138249412	1.0377E-05	1.384254217	2.527048826	0.046216592	0.000248603	4.750328541	0.001304088	0.010592798	0.000375388	0.000179192	7.41381E-05	0.10077849	2.07541E-06	6.75062E-05	0.000686089	0.001796758	0
2080 Aug	0.000957866	0.140608579	1.06309E-05	1.41064322	2.566742659	0.046606798	0.000255915	4.844370842	0.00132955	0.010822067	0.000378339	0.000180845	7.54302E-05	0.10244035	2.12617E-06	6.89282E-05	0.000690479	0.001828173	0
2080 Sep	0.000951042	0.138290644	1.05724E-05	1.396599054	2.529615641	0.045356564	0.000262159	4.803214073	0.001314956	0.010744429	0.000366396	0.00017549	7.43796E-05	0.101112813	2.11448E-06	6.87168E-05	0.000671126	0.001800261	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Oct	0.000942074	0.13575922	1.0448E-05	1.375473857	2.485781193	0.044002227	0.000267294	4.740968704	0.001293494	0.010650864	0.000354037	0.000169838	7.27587E-05	0.099401258	2.0896E-06	6.84488E-05	0.000652473	0.00176439	0
2080 Nov	0.000937733	0.13422215	1.03815E-05	1.363227367	2.459488392	0.043111328	0.000271711	4.706532955	0.001280804	0.01060754	0.000345793	0.000166087	7.17405E-05	0.098380245	2.0763E-06	6.84157E-05	0.000640314	0.001742229	0
2080 Dec	0.00093791	0.134175539	1.0382E-05	1.363018155	2.458781242	0.043065168	0.000272208	4.706427097	0.001280515	0.010609993	0.000345337	0.000165884	7.17002E-05	0.098354369	2.0764E-06	6.84508E-05	0.000639713	0.00174145	0
2081 Jan	0.000938091	0.134202912	1.03835E-05	1.363286018	2.459336996	0.043076076	0.00027227	4.70742321	0.001280739	0.010611752	0.000345391	0.000165901	7.1711E-05	0.098376192	2.0767E-06	6.84635E-05	0.000639838	0.001741654	0
2081 Feb	0.000938224	0.134228125	1.03843E-05	1.363512516	2.459862947	0.043088917	0.000272294	4.70826292	0.001280921	0.010612829	0.000345455	0.000165919	7.17203E-05	0.098396532	2.07687E-06	6.8471E-05	0.000639975	0.001741788	0
2081 Mar	0.000938582	0.134282708	1.0388E-05	1.364050388	2.460897923	0.04310903	0.00027239	4.710152626	0.00128141	0.010616641	0.000345594	0.000165979	7.17472E-05	0.09843754	2.07759E-06	6.84959E-05	0.000640244	0.00174239	0
2081 Apr	0.000942477	0.134846911	1.04304E-05	1.369748473	2.471308947	0.043295465	0.000273504	4.729893684	0.001286728	0.010660222	0.000347045	0.000166661	7.20439E-05	0.098853216	2.08607E-06	6.87776E-05	0.000642953	0.001749495	0
2081 May	0.000965249	0.141181275	1.04576E-05	1.419771194	2.609822989	0.047420293	0.000270479	4.917713642	0.001323227	0.010763083	0.000384194	0.000171178	7.57748E-05	0.10408663	2.09151E-06	6.94904E-05	0.000684589	0.001762573	0
2081 Jun	0.000951632	0.142686725	1.01035E-05	1.419244647	2.657454491	0.050102565	0.000254422	4.925207138	0.001313598	0.010467563	0.00041034	0.000171254	7.6981E-05	0.105669014	2.02069E-06	6.75142E-05	0.000706387	0.001719433	0
2081 Jul	0.001007186	0.150915056	1.07155E-05	1.501327276	2.80782485	0.05287157	0.000268878	5.20733881	0.001390809	0.011091515	0.000432937	0.00018178	8.13965E-05	0.111662537	2.1431E-06	7.14784E-05	0.000746968	0.001824926	0
2081 Aug	0.001063796	0.159154922	1.13265E-05	1.584791422	2.961052179	0.055653505	0.000284925	5.49751997	0.001468217	0.011714055	0.000455509	0.000191344	8.58862E-05	0.117788509	2.2653E-06	7.55012E-05	0.000785901	0.00192559	0
2081 Sep	0.001068876	0.159009561	1.13982E-05	1.589372993	2.961150885	0.055258658	0.000291548	5.51739502	0.001471905	0.011774459	0.000451099	0.000189739	8.59184E-05	0.117894739	2.27964E-06	7.60632E-05	0.000779961	0.001926523	0
2081 Oct	0.001067219	0.158094749	1.13735E-05	1.582617879	2.944986582	0.054650124	0.000295016	5.498804092	0.001465066	0.011763664	0.000445397	0.000187491	8.52887E-05	0.117275499	2.2747E-06	7.61529E-05	0.000772161	0.001915014	0
2081 Nov	0.001056561	0.155755132	1.1252E-05	1.561927676	2.902400732	0.053509142	0.000296532	5.432461739	0.001445247	0.011654673	0.000435254	0.000183395	8.38718E-05	0.115607433	2.2504E-06	7.56287E-05	0.000756947	0.001886188	0
2081 Dec	0.001056156	0.155572042	1.12464E-05	1.560536861	2.899151325	0.053392094	0.000297142	5.428526402	0.001443852	0.011651584	0.000434163	0.000182964	8.37479E-05	0.115482546	2.24928E-06	7.56381E-05	0.00075544	0.001883892	0
2082 Jan	0.001056257	0.155587763	1.12469E-05	1.560685515	2.8995049	0.053399552	0.000297184	5.429127216	0.001443958	0.011652366	0.00043418	0.000182963	8.37514E-05	0.115496203	2.24937E-06	7.56447E-05	0.000755507	0.001883913	0
2082 Feb	0.001056514	0.155633047	1.12488E-05	1.561104894	2.900422573	0.053420592	0.000297239	5.430655003	0.00144431	0.011654693	0.000434299	0.000183	8.37703E-05	0.115531951	2.24977E-06	7.56605E-05	0.000755746	0.001884237	0
2082 Mar	0.001057206	0.155738965	1.12558E-05	1.562148333	2.902436256	0.053459939	0.000297424	5.434322357	0.001445256	0.011662043	0.00043459	0.000183116	8.38243E-05	0.115611732	2.25116E-06	7.57086E-05	0.00075627	0.001885397	0
2082 Apr	0.001060608	0.156242535	1.12918E-05	1.567188501	2.911844015	0.053634513	0.000298375	5.451877117	0.001449908	0.011699419	0.000435993	0.000183703	8.40936E-05	0.115986213	2.25836E-06	7.59515E-05	0.000758721	0.001891422	0
2082 May	0.00107723	0.158696055	1.14684E-05	1.591775894	2.957604885	0.054480027	0.000303036	5.537436485	0.001472638	0.011882513	0.000442866	0.000186582	8.54141E-05	0.117808498	2.29367E-06	7.71402E-05	0.000770653	0.001921015	0
2082 Jun	0.000962741	0.141195953	1.0726E-05	1.421257854	2.581683397	0.046745732	0.000261359	4.874218941	0.001340303	0.010933577	0.000377481	0.000183618	7.57815E-05	0.103079759	2.1452E-06	6.98547E-05	0.00069894	0.001853696	0
2082 Jul	0.000921984	0.134535	1.05475E-05	1.357041359	2.428099632	0.043349791	0.00024485	4.615763187	0.001294802	0.01064357	0.000348699	0.000184442	7.20161E-05	0.097106792	2.10951E-06	6.73224E-05	0.000670086	0.001848612	0
2082 Aug	0.000957437	0.139195442	1.09643E-05	1.407246709	2.512500525	0.04463898	0.000256368	4.789057255	0.001342539	0.011044969	0.000358627	0.000189824	7.46149E-05	0.100551046	2.19286E-06	6.98971E-05	0.000688989	0.00191319	0
2082 Sep	0.000968053	0.140053675	1.10832E-05	1.420004845	2.53059411	0.044657454	0.000263533	4.837443352	0.00135374	0.011165447	0.000357879	0.000189592	7.51007E-05	0.101336434	2.21664E-06	7.08289E-05	0.000689126	0.001924364	0
2082 Oct	0.000936887	0.13373825	1.06774E-05	1.362465382	2.420942307	0.041892484	0.000266534	4.658325195	0.00129605	0.010808966	0.000333625	0.000177107	7.13324E-05	0.09700121	2.13548E-06	6.9083E-05	0.000648308	0.001830742	0
2082 Nov	0.000938722	0.133868992	1.06948E-05	1.364274979	2.423637152	0.041878145	0.000267889	4.66574955	0.001297564	0.010830349	0.000333353	0.00017699	7.1374E-05	0.097113274	2.13895E-06	6.92571E-05	0.000648225	0.001832028	0
2082 Dec	0.000939288	0.133943543	1.0701E-05	1.365057588	2.425002575	0.041898839	0.000268091	4.668484688	0.001298299	0.010836896	0.000333511	0.000177075	7.14124E-05	0.097168185	2.14021E-06	6.93008E-05	0.000648551	0.001833024	0
2083 Jan	0.000939456	0.133968338	1.07026E-05	1.36530304	2.425489902	0.041908093	0.000268145	4.669375896	0.001298513	0.010838611	0.000333563	0.000177096	7.14232E-05	0.097187422	2.14051E-06	6.93126E-05	0.000648667	0.001833254	0
2083 Feb	0.000939848	0.13402836	1.07066E-05	1.365894794	2.426621675	0.041930106	0.000268248	4.671442032	0.001299054	0.010842839	0.000333713	0.000177165	7.14525E-05	0.097232305	2.14132E-06	6.934E-05	0.000648968	0.001833938	0
2083 Mar	0.000940656	0.134145856	1.07156E-05	1.367081285	2.42877388	0.041968632	0.000268473	4.675522804	0.00130017	0.010852001	0.000334005	0.000177315	7.15136E-05	0.097318262	2.14311E-06	6.93988E-05	0.000649542	0.001835471	0
2083 Apr	0.000944744	0.134730071	1.0762E-05	1.373028874	2.439365387	0.042152423	0.000269637	4.695877075	0.00130582	0.010899066	0.00033546	0.000178084	7.18242E-05	0.097742505	2.1524E-06	6.96999E-05	0.000652374	0.001843422	0
2083 May	0.00096741	0.140343457	1.08306E-05	1.418932676	2.560389996	0.045592353	0.000268984	4.867435455	0.00134038	0.01102993	0.000366411	0.000182104	7.5111E-05	0.102342792	2.16612E-06	7.0602E-05	0.000687562	0.001860184	0
2083 Jun	0.000932941	0.140735492	1.01066E-05	1.398194551	2.601097822	0.049190763	0.000240835	4.81478548	0.001305311	0.010400815	0.000402616	0.000178642	7.59482E-05	0.103460401	2.02131E-06	6.64933E-05	0.000710603	0.001759445	0
2083 Jul	0.000951979	0.143118054	1.03808E-05	1.422541976	2.63473773	0.049553171	0.000244569	4.891580582	0.001332015	0.010647568	0.000405433	0.00018325	7.71252E-05	0.104849778	2.07617E-06	6.78635E-05	0.000720192	0.001807748	0
2083 Aug	0.000969028	0.144401848	1.05942E-05	1.437202811	2.648344994	0.049266532	0.000249953	4.947589397	0.001347597	0.010819903	0.000403292	0.000182741	7.76941E-05	0.105484076	2.11885E-06	6.87974E-05	0.000713968	0.001824733	0
2083 Sep	0.00096332	0.14214766	1.05213E-05	1.421011329	2.610177755	0.04792475	0.000257038	4.901836872	0.001330938	0.010765609	0.000390688	0.000177347	7.63233E-05	0.104042239	2.10425E-06	6.87981E-05	0.000695492	0.001795422	0
2083 Oct	0.000938819	0.136267349	1.02183E-05	1.37050283	2.506285429	0.044977203	0.000264343	4.745522499	0.001281093	0.010510763	0.000364117	0.00016578	7.27106E-05	0.099981703	2.04367E-06	6.77569E-05	0.000655288	0.001717571	0
2083 Nov	0.000932296	0.134615302	1.01363E-05	1.356507063	2.477193356	0.044126447	0.000266817	4.702697754	0.001267212	0.010443638	0.000356408	0.000162431	7.1685E-05	0.098846637	2.02726E-06	6.75068E-05	0.000643725	0.001695616	0
2083 Dec	0.000932655	0.13465789	1.01401E-05	1.356970906	2.477994204	0.044136383	0.000266976	4.704380035	0.001267634	0.010447738	0.000356478	0.000162465	7.17058E-05	0.098878935	2.02802E-06	6.75357E-05	0.000643881	0.001696137	0
2084 Jan	0.00093275	0.134672582	1.01407E-05	1.357111931	2.478307724	0.044142824	0.000267012	4.70492506	0.001267745	0.010448569	0.000356502	0.00016247	7.17105E-05	0.098891139	2.02814E-06	6.75421E-05	0.000643947	0.001696204	0
2084 Feb	0.000932931	0.134703875	1.01422E-05	1.357403874	2.478936195	0.044156961	0.000267052	4.705983639	0.001267992	0.010450251	0.000356582	0.000162496	7.17237E-05	0.098915666	2.02843E-06	6.75535E-05	0.00064411	0.001696442	0
2084 Mar	0.000933755	0.134825617	1.01508E-05	1.358617783	2.481204748	0.044198964	0.000267281	4.710217953	0.001269113	0.010459292	0.000356903	0.000162637	7.17866E-05	0.0990059	2.03017E-06	6.76121E-05	0.0006447	0.001697891	0
2084 Apr	0.000939905	0.135715112	1.02175E-05	1.367573857	2.497590065	0.044491742	0.000269038	4.741281986	0.001277471	0.010528069	0.000359257	0.000163707	7.22591E-05	0.09965954	2.04351E-06	6.80569E-05	0.000648957	0.001709045	0
2084 May	0.000966308	0.1426678	1.02836E-05	1.423704147	2.647992849	0.048875436	0.000266727	4.949853897	0.001319578	0.010669804	0.000398786	0.000169061	7.63756E-05	0.105365574	2.05672E-06	6.90138E-05	0.000694086	0.001729476	0
2084 Jun	0.000928137	0.141287789	9.65424E-06	1.391955495	2.644291401	0.050963942	0.00024085	4.846323967	0.001280419	0.010089339	0.00042076	0.000166397	7.61702E-05	0.104864068	1.93085E-06	6.51226E-05	0.000705885	0.001646906	0
2084 Jul	0.000958821	0.145622835	1.00268E-05	1.435294747	2.71798563	0.052193902	0.000247974	4.991429329	0.00132328	0.010451523	0.000430772	0.000172829	7.84372E-05	0.107824385	2.00536E-06	6.73088E-05	0.000726218	0.001711995	0
2084 Aug	0.000988417	0.149502173	1.0359E-05	1.476830363	2.78935051	0.053303968	0.00025769	5.137491703	0.001361986	0.010772678	0.000439514	0.00017657	8.06111E-05	0.110730819	2.0718E-06	6.93854E-05	0.000740792	0.001760278	0
2084 Sep	0.000982253	0.14744015	1.0317E-05	1.463715315	2.754064798	0.05213587	0.000262605	5.096628666	0.001349307	0.010713503	0.000428456	0.000172431	7.96135E-05	0.109452203	2.06341E-06	6.92177E-05	0.000724267	0.001739625	0
2084 Oct	0.000966171	0.143360049	1.0136E-05	1.42921555	2.679809332	0.049968753	0.000268003	4.987955093	0.001316232	0.010559517	0.000408844	0.000164915	7.70821E-05	0.106564283	2.02719E-06	6.86104E-05	0.000696145	0.001691359	0
2084 Nov	0.000961969	0.14215076	1.00876E-05	1.419295311	2.657900333	0.049289651	0.000270247	4.957389355	0.001306645	0.010521116	0.000402637	0.000162548	7.63151E-05	0.105715506	2.01752E-06	6.84968E-05	0.0006874	0.001677048	0
2084 Dec	0.000962467	0.142216861	1.00928E-05	1.419983268	2.659145594	0.049309205	0.000270431	4.959845066	0.001307273	0.01052667	0.000402788	0.000162611	7.63491E-05	0.10576532	2.01856E-06	6.85348E-05	0.000687682	0.001677827	0
2085 Jan	0.000962528	0.142226219	1.00931E-05	1.420072198	2.659353256	0.049313542	0.000270456	4.960200787	0.001307338	0.010527155	0.000402799	0.000162611	7.63514E-05	0.10577336	2.01862E-06	6.85388E-05	0.000687723	0.001677848	0
2085 Feb	0.000962712	0.142257601	1.00946E-05	1.420366764	2.659980536	0.049327452	0.000270498	4.961266518	0.00130759	0.010528895	0.000402883	0.000162638	7.63651E-05	0.105797879	2.01892E-06	6.85505E-05	0.000687886	0.001678097	0
2085 Mar	0.00096304	0.142308205	1.00978E-05	1.420861721	2.660948277	0.049346648	0.000270584	4.963014603	0.001308035	0.01053232	0.000403024	0.000162691	7.63906E-05	0.105836146	2.01956E-06	6.8573E-05	0.000688136	0.001678627	0
2085 Apr	0.000966401	0.142806217	1.01329E-05	1.425828338	2.670273304	0.049520288	0.000271526	4.980374813	0.001312601	0.010568998	0.000404432	0.000163258	7.6657E-05	0.106206901	2.02659E-06	6.88119E-05	0.000690548	0.001684464	0
2085 May	0.000986009	0.147979364	1.01874E-05	1.467513204	2.781416178	0.052763641	0.000269559	5.134349823	0.001344203	0.010677845	0.00043691	0.000167486	7.97124E-05	0.110422999	2.03748E-06	6.95268E-05	0.000724345	0.001701428	0
2085 Jun	0.00098664	0.150909737	1.00474E-05	1.484591961	2.849838495	0.05546112	0.000259323	5.197939873	0.001353733	0.010580396	0.000459012	0.000170375	8.16223E-05	0.112907737	2.00948E-06	6.87924E-05	0.000750975	0.001693751	0
2085 Jul	0.001030782	0.157294855	1.05259E-05	1.547603488	2.964740515	0.057523891	0.000270429	5.416948318	0.001412959	0.011063845	0.000476154	0.000177822	8.4999E-05	0.117486641	2.10518E-06	7.1822E-05	0.000779881	0.001771882	0
2085 Aug	0.001034292	0.156679899	1.06095E-05	1.548023343	2.95144248	0.0567782	0.000275316	5.420716763	0.001414248	0.011102935	0.000469125	0.000175657	8.48399E-05	0.117104702	2.12189E-06	7.20936E-05	0.000768258	0.001771106	0
2085 Sep	0.001009562	0.150821194	1.03871E-05	1.501645207	2.845231771	0.053794809	0.000280712	5.267972469	0.001371014	0.010862423	0.000441952	0.000166033	8.1664E-05	0.113069996	2.07742E-06	7.09381E-05	0.000728503	0.001710949	0
2085 Oct	0.000991365	0.146555334	1.01946E-05	1.464744687	2.766097069	0.05158342	0.000284473	5.148448467	0.001336413	0.010690984	0.000422089	0.000158941	7.90413E-05	0.109984688	2.03891E-06	7.01601E-05	0.000700518	0.001663666	0
2085 Nov	0.000982205	0.144438967	1.00977E-05	1.446366549	2.726819754	0.05049511	0.000286189	5.088774681	0.001319194	0.010604198	0.000412329	0.000155452	7.77441E-05	0.108452566	2.01955E-06	6.97584E-05	0.000686729	0.001640193	0
2085 Dec	0.000982439	0.144463286	1.01001E-05	1.44664681	2.727287531	0.050499067	0.000286314	5.08982563	0.001319444	0.010606878	0.00041235	0.000155463	7.77552E-05	0.108471565	2.02002E-06	6.97782E-05	0.000686796	0.001640477	0
2086 Jan	0.000982522	0.144476071	1.01006E-05	1.44676888	2.727565765	0.05050483	0.000286347	5.090304852	0.001319537	0.010607575	0.000412367	0.000155465	7.77586E-05	0.108482361	2.02012E-06	6.97838E-05	0.000686853	0.001640521	0
2086 Feb	0.00098263	0.144497126	1.01012E-05	1.446956277	2.728009224	0.050515842	0.000286365	5.091004372	0.001319685	0.010608419	0.00041242	0.000155478	7.77662E-05	0.108499475	2.02024E-06	6.97898E-05	0.000686968	0.00164062	0
2086 Mar	0.000983057	0.144562647	1.01053E-05	1.44759953	2.729271173	0.050540734	0.000286482	5.093289375	0.001320259	0.010612845	0.000412604	0.000155544	7.77994E-05	0.108549371	2.02107E-06	6.98191E-05	0.000687287	0.001641288	0
2086 Apr	0.000987735	0.145252109	1.01533E-05	1.454496145	2.742301941	0.050782919	0.000287841	5.117567539	0.001326542	0.010663241	0.000414569	0.000156283	7.81693E-05	0.109067477	2.03065E-06	7.01508E-05	0.00069057	0.001649072	0
2086 May	0.001006325	0.148710147	1.03011E-05	1.485908985	2.811453581	0.052434497	0.000290727	5.229893208	0.00135335	0.010833638	0.00042892	0.000159713	8.01121E-05	0.111754045	2.06022E-06	7.12618E-05	0.000710038	0.001676127	0
2086 Jun	0.000954883	0.144902021	9.74662E-06	1.432153106	2.738750219	0.052796185	0.000257333	5.019093513	0.001305536	0.010251264	0.000435611	0.000161942	7.84288E-05	0.108616889	1.94932E-06	6.68546E-05	0.000714832	0.00163002	0
2086 Jul	0.000978236	0.147937343	1.0114E-05	1.463702798	2.780610323	0.053262476	0.000261486	5.113352299	0.001341302	0.010579773	0.000438934	0.000169277	7.99562E-05	0.110355325	2.0228E-06	6.86655E-05	0.000729971	0.001701177	0
2086 Aug	0.001002383	0.15067111	1.03985E-05	1.49470818	2.828511	0.05378804	0.000270219	5.223911762	0.001370744	0.010838974	0.000442843	0.000171181	8.14988E-05	0.112357393	2.0797E-06	7.03112E-05	0.000735911	0.001736707	0
2086 Sep	0.000985876	0.146292254	1.02749E-05	1.464089036	2.751719236	0.051493712	0.000276603	5.123804092	0.00134194	0.01067589	0.000421482	0.00016346	7.93787E-05	0.109527878	2.05498E-06	6.95918E-05	0.000703819	0.001693845	0
2086 Oct	0.000983937	0.145209104	1.02499E-05	1.456094027	2.732125521	0.050757878	0.00028064	5.101166725	0.001334075	0.010666602	0.000414576	0.000160972	7.86255E-05	0.108777411	2.04998E-06	6.97122E-05	0.000694771	0.001681554	0
2086 Nov	0.000986679	0.145590469	1.02783E-05	1.460002184	2.739324093	0.050880708	0.000281557	5.11501646	0.00133764	0.010696677	0.000415553	0.000161357	7.88271E-05	0.109064884	2.05567E-06	6.9914E-05	0.000696483	0.001685978	0
2086 Dec	0.000987075	0.145643681	1.02824E-05	1.4605546	2.740330219	0.050896958	0.0002817	5.116986752	0.001338142	0.010701047	0.00041568	0.000161407	7.88549E-05	0.109105147	2.05649E-06	6.99438E-05	0.000696712	0.001686595	0
2087 Jan	0.000987171	0.145658165	1.02832E-05	1.46069634	2.740624189	0.050902743	0.000281732	5.117512703	0.001338261	0.010701975	0.00041571	0.000161416	7.88607E-05	0.109116688	2.05664E-06	6.99504E-05	0.000696778	0.001686704	0
2087 Feb	0.000987489	0.145707965	1.02862E-05	1.461182117	2.7415874	0.050922196	0.000281816	5.11923933	0.001338693	0.010705237	0.000415848	0.000161466	7.88855E-05	0.109154731	2.05725E-06	6.9972E-05	0.000697025	0.001687199	0
2087 Mar	0.000988524	0.145862132	1.02969E-05	1.462720871	2.744502544	0.0509772	0.000282108	5.124643326	0.001340096	0.010716348	0.000416286	0.000161634	7.89678E-05	0.10927064	2.05937E-06	7.00448E-05	0.000697766	0.00168894	0
2087 Apr	0.000990925	0.146217331	1.03218E-05	1.466278672	2.751194239	0.051101979	0.000282791	5.137115479	0.001343351	0.010742321	0.000417299	0.000162026	7.91595E-05	0.109536961	2.06436E-06	7.02146E-05	0.000699468	0.001693028	0
2087 May	0.001000872	0.148968413	1.0343E-05	1.488003016	2.810299397	0.052858964	0.000281287	5.217316151	0.001359711	0.010794216	0.000433202	0.000164351	8.0776E-05	0.111770421	2.0686E-06	7.05493E-05	0.00071788	0.001701547	0
2087 Jun	0.000986139	0.150532871	1.00219E-05	1.486937881	2.85344696	0.05550085	0.000262515	5.214177132	0.001352355	0.010519596	0.000459027	0.000166851	8.19645E-05	0.113169283	2.00439E-06	6.85525E-05	0.000743339	0.001673819	0
2087 Jul	0.001015762	0.154512346	1.03741E-05	1.526585579	2.919651747	0.056521814	0.000269499	5.349503517	0.001391481	0.01085703	0.000467522	0.000171964	8.40094E-05	0.115837127	2.07482E-06	7.05652E-05	0.000759146	0.001730309	0
2087 Aug	0.001057436	0.160424218	1.08159E-05	1.586271882	3.02872467	0.058450963	0.000281229	5.559662342	0.001446565	0.011301978	0.000483402	0.000178015	8.7217E-05	0.120203987	2.16319E-06	7.3417E-05	0.000784513	0.001798432	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Sep	0.001074875	0.162354976	1.09988E-05	1.608556509	3.066129684	0.058850527	0.000289918	5.641610146	0.001466559	0.011498749	0.000485903	0.000179112	8.81924E-05	0.121731997	2.19976E-06	7.48419E-05	0.000790437	0.00182146	0
2087 Oct	0.001067631	0.16038385	1.09226E-05	1.592164755	3.029611349	0.057747997	0.000292946	5.589596748	0.001451136	0.011435612	0.000475861	0.000175616	8.6947E-05	0.120315962	2.18453E-06	7.46229E-05	0.000776725	0.001800142	0
2087 Nov	0.001064509	0.15952602	1.08898E-05	1.585047483	3.013722658	0.057266168	0.000294298	5.567046165	0.001444437	0.011408533	0.00047147	0.000174088	8.64041E-05	0.119700044	2.17795E-06	7.45311E-05	0.000770736	0.001790869	0
2087 Dec	0.001064897	0.159576654	1.08937E-05	1.585577607	3.014685154	0.057280976	0.000294448	5.568955898	0.001444916	0.011412816	0.000471583	0.000174131	8.643E-05	0.119738564	2.17875E-06	7.45607E-05	0.000770945	0.001791444	0
2088 Jan	0.001065076	0.159603715	1.08953E-05	1.585843086	3.015225172	0.05729156	0.000294505	5.569928169	0.001445143	0.011414591	0.000471646	0.000174152	8.64419E-05	0.11975982	2.17905E-06	7.45731E-05	0.000771071	0.00179167	0
2088 Feb	0.00106521	0.159627676	1.08963E-05	1.586063504	3.015713692	0.057302915	0.000294533	5.570735931	0.001445326	0.011415776	0.00047171	0.00017417	8.64518E-05	0.119778827	2.17925E-06	7.45812E-05	0.000771197	0.00179183	0
2088 Mar	0.001066389	0.159806445	1.09081E-05	1.587830305	3.01911068	0.057368584	0.000294854	5.576958656	0.001446927	0.011428273	0.000472235	0.000174361	8.6547E-05	0.119913533	2.18162E-06	7.4663E-05	0.000772067	0.001793778	0
2088 Apr	0.001076315	0.16129683	1.10094E-05	1.602625489	3.047295094	0.0579057	0.000297592	5.628949642	0.001460396	0.011534454	0.000476634	0.000175982	8.73519E-05	0.121032663	2.20187E-06	7.5357E-05	0.000779275	0.001810424	0
2088 May	0.001099202	0.164846882	1.12326E-05	1.637353778	3.115392208	0.059263572	0.000303602	5.751797676	0.001491538	0.011772379	0.000487142	0.000179663	8.92047E-05	0.123725258	2.24652E-06	7.69195E-05	0.000796799	0.00184716	0
2088 Jun	0.001034478	0.155123889	1.08907E-05	1.542524219	2.89820838	0.05478923	0.0002775	5.368834972	0.001422463	0.011291164	0.000449145	0.000181706	8.38333E-05	0.115232535	2.17814E-06	7.29555E-05	0.000761578	0.001835836	0
2088 Jul	0.001065069	0.159396723	1.13388E-05	1.586574078	2.964273691	0.055769209	0.000283587	5.504678249	0.001469832	0.011706585	0.00045653	0.000191061	8.60622E-05	0.117929831	2.26775E-06	7.53469E-05	0.000784815	0.001924112	0
2088 Aug	0.001131058	0.168978915	1.20519E-05	1.683768988	3.142392874	0.058994882	0.000302301	5.8427248	0.00155998	0.012430969	0.000482681	0.00020211	9.12913E-05	0.125055343	2.41037E-06	8.00232E-05	0.000829762	0.002041041	0
2088 Sep	0.001147644	0.17097789	1.22347E-05	1.706552863	3.180870533	0.059504934	0.00030954	5.924191475	0.001580766	0.012616475	0.000486252	0.000203732	9.2395E-05	0.126632467	2.44694E-06	8.13149E-05	0.000836916	0.002066247	0
2088 Oct	0.001110017	0.163392141	1.1813E-05	1.63793695	3.042381525	0.056005601	0.000311068	5.700330257	0.001515478	0.012225648	0.000455487	0.000191287	8.78961E-05	0.121191122	2.36261E-06	7.92728E-05	0.000790045	0.001973428	0
2088 Nov	0.00110483	0.162088603	1.17522E-05	1.62682879	3.018837452	0.055321623	0.000312799	5.665611267	0.001504726	0.012174738	0.000449316	0.000188821	8.70845E-05	0.120273106	2.35045E-06	7.90725E-05	0.000781054	0.001957367	0
2088 Dec	0.001105402	0.162165269	1.17583E-05	1.627624869	3.020274878	0.055344559	0.000313004	5.668437004	0.001505455	0.01218113	0.000449494	0.000188898	8.71242E-05	0.120330654	2.35165E-06	7.91157E-05	0.000781387	0.001958288	0
2089 Jan	0.001105536	0.162185416	1.17593E-05	1.627821803	3.020683765	0.055352606	0.00031305	5.669169426	0.001505621	0.012182421	0.000449535	0.00018891	8.71323E-05	0.120346703	2.35187E-06	7.9125E-05	0.00078148	0.001958439	0
2089 Feb	0.001105779	0.162225217	1.17615E-05	1.628202081	3.021466017	0.055369262	0.000313109	5.670530796	0.001505952	0.012184818	0.000449641	0.000188948	8.71507E-05	0.120377421	2.3523E-06	7.91409E-05	0.000781683	0.001958795	0
2089 Mar	0.00110726	0.162444696	1.1777E-05	1.63039422	3.025576353	0.05544585	0.000313522	5.678186417	0.001507969	0.01220098	0.000450248	0.000189199	8.72669E-05	0.120540924	2.35541E-06	7.92461E-05	0.000782746	0.001961378	0
2089 Apr	0.001113748	0.163398176	1.18459E-05	1.639956594	3.043350935	0.055772487	0.000315356	5.711503506	0.001516806	0.012272364	0.000452889	0.000190306	8.7778E-05	0.121248923	2.36918E-06	7.97099E-05	0.000787345	0.001972842	0
2089 May	0.001126871	0.16714783	1.18602E-05	1.669361711	3.125097036	0.058230866	0.000313148	5.821301937	0.001538363	0.012330563	0.000475133	0.000193159	8.99983E-05	0.124334507	2.37205E-06	8.01003E-05	0.000812398	0.001981242	0
2089 Jun	0.001115439	0.169349253	1.15239E-05	1.674234271	3.186012506	0.061331499	0.000295957	5.845947742	0.001533667	0.012054746	0.000505128	0.000194539	9.16208E-05	0.126419604	2.30478E-06	7.82025E-05	0.000839736	0.001945117	0
2089 Jul	0.001154461	0.174732953	1.19672E-05	1.727643132	3.278924465	0.062863328	0.000305543	6.030436039	0.00158512	0.012489255	0.000517874	0.000200978	9.44162E-05	0.130144432	2.39343E-06	8.08539E-05	0.000862009	0.002015769	0
2089 Aug	0.001194832	0.180174544	1.24076E-05	1.782420874	3.375211239	0.064423323	0.000316569	6.223641396	0.001636666	0.012921988	0.000530837	0.000206344	9.72865E-05	0.134015083	2.48152E-06	8.35523E-05	0.000882495	0.002080646	0
2089 Sep	0.001196922	0.179480925	1.24319E-05	1.78001976	3.363768578	0.063749187	0.000322951	6.221151829	0.001633847	0.012957421	0.000524144	0.000203986	9.68002E-05	0.133619756	2.48638E-06	8.39997E-05	0.000874071	0.002073922	0
2089 Oct	0.001150153	0.170060426	1.19336E-05	1.695333481	3.189789772	0.059347082	0.000324275	5.941119194	0.00155447	0.012485716	0.000485337	0.00018944	9.12465E-05	0.126801759	2.38673E-06	8.14921E-05	0.000816664	0.001965899	0
2089 Nov	0.001149018	0.169561177	1.19202E-05	1.691577315	3.180785179	0.059025332	0.000325876	5.930171967	0.001550797	0.012478169	0.000482334	0.000188348	9.09126E-05	0.126456782	2.38403E-06	8.15184E-05	0.000812656	0.001960244	0
2089 Dec	0.001149711	0.169656619	1.19273E-05	1.692554593	3.182583094	0.059055544	0.000326112	5.933642864	0.001551689	0.012485789	0.000482573	0.000188443	9.09624E-05	0.126528531	2.38546E-06	8.15697E-05	0.000813081	0.00196135	0
2090 Jan	0.001150032	0.169704437	1.19304E-05	1.693027735	3.183508635	0.059073146	0.000326209	5.935340405	0.001552108	0.012489129	0.000482695	0.000188487	9.09855E-05	0.126565143	2.38607E-06	8.15923E-05	0.000813306	0.001961826	0
2090 Feb	0.001150423	0.16976577	1.19341E-05	1.693623066	3.18469429	0.059097186	0.000326311	5.937458038	0.001552637	0.012493127	0.000482865	0.000188548	9.10157E-05	0.126611888	2.38681E-06	8.16188E-05	0.00081361	0.00196243	0
2090 Mar	0.001151587	0.169939548	1.19459E-05	1.695347548	3.187973499	0.059159148	0.000326636	5.943521023	0.001554209	0.012505633	0.000483356	0.000188737	9.11074E-05	0.126742065	2.38919E-06	8.17006E-05	0.000814449	0.001964381	0
2090 Apr	0.001155617	0.170535401	1.19876E-05	1.701286674	3.199162006	0.059367411	0.000327777	5.964351177	0.001559648	0.012549319	0.00048505	0.000189396	9.1426E-05	0.127186745	2.39753E-06	8.19862E-05	0.000817308	0.001971236	0
2090 May	0.001169657	0.172927558	1.21131E-05	1.723769069	3.245960712	0.060400974	0.00033069	6.044159889	0.001579365	0.012687655	0.000493877	0.000191868	9.27482E-05	0.129019216	2.42261E-06	8.28891E-05	0.000830069	0.001993089	0
2090 Jun	0.001088154	0.164829895	1.11969E-05	1.627116084	3.099334955	0.05951434	0.000289866	5.689852715	0.001489329	0.011745093	0.000490663	0.000187571	8.88576E-05	0.122922994	2.23938E-06	7.62646E-05	0.000813623	0.001882182	0
2090 Jul	0.001114395	0.168413818	1.15662E-05	1.663738966	3.154853582	0.060317248	0.000295243	5.805351257	0.001528231	0.012088108	0.000496874	0.000194685	9.07051E-05	0.125186071	2.31324E-06	7.82404E-05	0.000831452	0.001951638	0
2090 Aug	0.001093757	0.163237602	1.14367E-05	1.626657724	3.059249401	0.057613932	0.000298604	5.68034935	0.001494876	0.011865467	0.000472542	0.000185893	8.8385E-05	0.121684968	2.28734E-06	7.69361E-05	0.000791279	0.001902697	0
2090 Sep	0.001061114	0.156105518	1.11095E-05	1.566751003	2.92980957	0.054152694	0.000302772	5.48362875	0.001438471	0.011537167	0.000441464	0.000174244	8.43817E-05	0.116695836	2.22191E-06	7.5284E-05	0.000745004	0.001823451	0
2090 Oct	0.00102007	0.147107482	1.06589E-05	1.487135053	2.764130592	0.049706865	0.000308256	5.225319386	0.001363226	0.011133092	0.000401871	0.000159333	7.88983E-05	0.110206142	2.13178E-06	7.33326E-05	0.000687641	0.001718746	0
2090 Nov	0.001006909	0.144414321	1.05158E-05	1.46284008	2.714402914	0.048433892	0.000308898	5.14549017	0.001340371	0.011000788	0.000390636	0.000155082	7.72841E-05	0.108253442	2.10315E-06	7.26446E-05	0.0006711	0.00168739	0
2090 Dec	0.001007406	0.144474059	1.05209E-05	1.463487983	2.71553874	0.04844863	0.000309118	5.147850037	0.001340956	0.011006383	0.000390741	0.000155127	7.73136E-05	0.108299173	2.10418E-06	7.26842E-05	0.00067132	0.00168809	0
2091 Jan	0.001007553	0.144496217	1.0522E-05	1.463704228	2.715992451	0.048457593	0.000309169	5.148659706	0.001341135	0.01100778	0.000390785	0.00015514	7.73221E-05	0.108316965	2.10441E-06	7.26943E-05	0.000671421	0.001688244	0
2091 Feb	0.001007669	0.144518122	1.05228E-05	1.463901281	2.716450453	0.048468761	0.00030919	5.149392128	0.001341293	0.011008713	0.00039084	0.000155154	7.73302E-05	0.108334683	2.10455E-06	7.27009E-05	0.000671539	0.001688358	0
2091 Mar	0.001009389	0.144767776	1.05405E-05	1.46641624	2.72116828	0.048554584	0.00030971	5.158260345	0.001343585	0.011027327	0.000391514	0.000155418	7.74618E-05	0.108522527	2.10809E-06	7.2824E-05	0.000672708	0.001691196	0
2091 Apr	0.001016163	0.145740971	1.0611E-05	1.476266146	2.739475489	0.04888219	0.000311784	5.192921162	0.001352603	0.011101225	0.000394145	0.00015646	7.79814E-05	0.109252468	2.12221E-06	7.33121E-05	0.000677236	0.00170252	0
2091 May	0.001036429	0.149799824	1.07553E-05	1.512118459	2.821806669	0.050959125	0.000313898	5.321689606	0.001382581	0.011275047	0.000412397	0.000160408	8.02881E-05	0.112432204	2.15106E-06	7.44392E-05	0.000701044	0.001730527	0
2091 Jun	0.001017489	0.152213916	1.0345E-05	1.513595462	2.884855509	0.054689411	0.000287475	5.325070381	0.001375893	0.010913367	0.00044884	0.000164617	8.21564E-05	0.1145235	2.06901E-06	7.17244E-05	0.000737428	0.001698871	0
2091 Jul	0.001072411	0.160256058	1.09518E-05	1.594065189	3.031392336	0.057344191	0.000302072	5.601969242	0.001451688	0.011531368	0.000470445	0.000174815	8.64549E-05	0.120369405	2.19037E-06	7.56552E-05	0.000776503	0.001802487	0
2091 Aug	0.001075504	0.159438372	1.10415E-05	1.594543934	3.015920639	0.056498226	0.000308024	5.605703831	0.001452906	0.011567391	0.000462246	0.000172276	8.62965E-05	0.119938508	2.20831E-06	7.59454E-05	0.000763255	0.001801089	0
2091 Sep	0.001062467	0.155945867	1.09624E-05	1.571494579	2.954772472	0.054663848	0.000313035	5.528692722	0.001431614	0.011439594	0.000445065	0.000166357	8.47379E-05	0.117721312	2.19247E-06	7.53526E-05	0.000737348	0.001770058	0
2091 Oct	0.001037498	0.150744811	1.06983E-05	1.524554014	2.857392073	0.05213866	0.000314385	5.373565674	0.001387971	0.011195919	0.000422759	0.000158405	8.15801E-05	0.113898128	2.13966E-06	7.40843E-05	0.000705348	0.001712163	0
2091 Nov	0.001020175	0.146993265	1.05145E-05	1.491054416	2.787227154	0.050271116	0.000316133	5.26359272	0.00135676	0.011029207	0.000406179	0.000152512	7.92806E-05	0.111147195	2.1029E-06	7.32512E-05	0.000681779	0.001670478	0
2091 Dec	0.001020305	0.146950662	1.05156E-05	1.490844846	2.786466837	0.050228011	0.000316521	5.263257027	0.001356533	0.011031615	0.000405758	0.00015237	7.92441E-05	0.111119181	2.10312E-06	7.32806E-05	0.000681281	0.00167004	0
2092 Jan	0.001020446	0.146972254	1.05166E-05	1.491053939	2.786916018	0.050237037	0.000316571	5.26404953	0.001356703	0.01103292	0.000405797	0.00015238	7.92519E-05	0.111136742	2.10333E-06	7.32903E-05	0.000681379	0.00167017	0
2092 Feb	0.001020747	0.147021756	1.05192E-05	1.491526365	2.787905216	0.050258309	0.000316647	5.265761375	0.001357108	0.011035796	0.000405928	0.000152422	7.92742E-05	0.111175545	2.10384E-06	7.33098E-05	0.000681628	0.001670573	0
2092 Mar	0.001022798	0.147320583	1.054E-05	1.494541764	2.793599367	0.050362825	0.000317274	5.276430607	0.001359837	0.011057769	0.00040675	0.000152727	7.9433E-05	0.111402251	2.108E-06	7.3456E-05	0.000683024	0.001673881	0
2092 Apr	0.001028486	0.148141712	1.05985E-05	1.50286293	2.809185743	0.050644863	0.000319033	5.305821419	0.001367401	0.011119146	0.000409016	0.000153575	7.98744E-05	0.112023607	2.11969E-06	7.38638E-05	0.000686837	0.001683162	0
2092 May	0.001046846	0.152239591	1.07063E-05	1.53759861	2.893536091	0.0529196	0.000319355	5.431087017	0.00139571	0.011260737	0.000429275	0.00015754	8.22297E-05	0.115254983	2.14125E-06	7.47651E-05	0.000712238	0.001706969	0
2092 Jun	0.000964773	0.146032184	9.71634E-06	1.448916674	2.783248901	0.053648461	0.000268499	5.101578236	0.001311589	0.010265385	0.000441799	0.000156743	7.93822E-05	0.110417798	1.94327E-06	6.7537E-05	0.000714311	0.001600382	0
2092 Jul	0.00095898	0.144642964	9.80292E-06	1.436726689	2.739548922	0.05244654	0.000264321	5.039912701	0.00130843	0.010292558	0.000431308	0.000159815	7.84997E-05	0.108768061	1.96058E-06	6.73374E-05	0.000708251	0.001626978	0
2092 Aug	0.001000292	0.150436401	1.02446E-05	1.497182369	2.849308729	0.054360073	0.000277472	5.252733231	0.001363739	0.010737085	0.000446617	0.000165656	8.17374E-05	0.113187402	2.04891E-06	7.02664E-05	0.000733498	0.001694753	0
2092 Sep	0.001002648	0.149896219	1.02918E-05	1.497652531	2.841296434	0.053811993	0.000283103	5.257488728	0.001363941	0.010771147	0.000440964	0.000163815	8.15425E-05	0.112969555	2.05836E-06	7.06406E-05	0.000725877	0.001692471	0
2092 Oct	0.000995672	0.148002118	1.02177E-05	1.481735706	2.805995703	0.05274985	0.000285909	5.207021713	0.001348986	0.01070984	0.000431332	0.000160441	8.03366E-05	0.111598112	2.04353E-06	7.04211E-05	0.000712635	0.001671772	0
2092 Nov	0.00099466	0.147615626	1.02066E-05	1.478705049	2.79883647	0.05250556	0.000286942	5.197875977	0.001346099	0.010702726	0.000429074	0.000159658	8.00779E-05	0.111322328	2.04131E-06	7.04248E-05	0.000709639	0.001667598	0
2092 Dec	0.00099529	0.147702187	1.0213E-05	1.479596734	2.800482512	0.052533213	0.000287163	5.201054573	0.001346907	0.010709614	0.000429293	0.000159741	8.01234E-05	0.111388065	2.0426E-06	7.04716E-05	0.000710022	0.001668582	0
2093 Jan	0.000995388	0.147717148	1.02138E-05	1.47974205	2.80079174	0.052539397	0.000287197	5.201602936	0.001347026	0.010710534	0.000429321	0.000159749	8.01289E-05	0.111400165	2.04275E-06	7.04784E-05	0.00071009	0.001668677	0
2093 Feb	0.000995653	0.147760108	1.02161E-05	1.48015511	2.801638842	0.052557267	0.000287265	5.203084946	0.001347386	0.010713145	0.00042944	0.000159788	8.01494E-05	0.111433476	2.04322E-06	7.04959E-05	0.000710307	0.001669061	0
2093 Mar	0.000998607	0.148200482	1.02462E-05	1.484556913	2.81000638	0.052715328	0.000288112	5.218575001	0.001351384	0.010744799	0.000430717	0.000160261	8.03867E-05	0.111766078	2.04925E-06	7.07043E-05	0.000712429	0.001673979	0
2093 Apr	0.001004592	0.149089903	1.03075E-05	1.493461013	2.826880693	0.05303251	0.000289836	5.249884129	0.001359484	0.010809124	0.0004333	0.000161221	8.08683E-05	0.112437122	2.06151E-06	7.11277E-05	0.000716708	0.001683994	0
2093 May	0.001023992	0.153084487	1.0438E-05	1.528321743	2.908336639	0.055126041	0.000291476	5.375465393	0.001388366	0.010970562	0.000451776	0.000165046	8.31422E-05	0.115574956	2.08761E-06	7.21737E-05	0.000740449	0.001709951	0
2093 Jun	0.000989798	0.152058557	9.94146E-06	1.499743819	2.898561239	0.05688392	0.000264444	5.269933224	0.001357638	0.010498879	0.000470744	0.000166228	8.29332E-05	0.114857726	1.98829E-06	6.87343E-05	0.000755717	0.001660237	0
2093 Jul	0.001024806	0.156995893	1.03564E-05	1.549064755	2.983452797	0.058312412	0.000272759	5.436789513	0.001405863	0.010903569	0.000482448	0.000173082	8.55268E-05	0.11826551	2.07128E-06	7.11922E-05	0.000778221	0.00173093	0
2093 Aug	0.001059667	0.161774263	1.07314E-05	1.598276377	3.071449757	0.059794031	0.000283182	5.61066103	0.001451336	0.011274908	0.000494518	0.000177679	8.81451E-05	0.12181031	2.14627E-06	7.35783E-05	0.000797301	0.001786443	0
2093 Sep	0.001059633	0.160664439	1.07404E-05	1.592247128	3.051676512	0.058913752	0.000289304	5.595146179	0.001445456	0.011291083	0.000486012	0.000174895	8.74324E-05	0.121094905	2.14808E-06	7.38993E-05	0.000786399	0.001776668	0
2093 Oct	0.001013321	0.15081434	1.02692E-05	1.504630804	2.866324186	0.054043222	0.000292397	5.30436039	0.001364615	0.010845534	0.00044284	0.000160022	8.15098E-05	0.113849737	2.05385E-06	7.15747E-05	0.000724924	0.001671046	0
2093 Nov	0.001001923	0.147841498	1.01529E-05	1.479570389	2.810624361	0.05239924	0.000296211	5.223822117	0.001341292	0.010745171	0.00042796	0.00015496	7.96446E-05	0.111687839	2.03059E-06	7.11781E-05	0.000704537	0.001639625	0
2093 Dec	0.001002581	0.147925049	1.01596E-05	1.480456114	2.812221527	0.05242265	0.000296481	5.227032661	0.001342089	0.010752461	0.000428137	0.000155027	7.96868E-05	0.111751854	2.03192E-06	7.12292E-05	0.00070487	0.001640568	0
2094 Jan	0.001002792	0.147956789	1.01614E-05	1.480767608	2.81285882	0.052435096	0.000296551	5.228180885	0.001342354	0.010754538	0.000428208	0.000155049	7.97004E-05	0.111776926	2.03228E-06	7.12439E-05	0.000705017	0.001640823	0
2094 Feb	0.001002981	0.14798969	1.01628E-05	1.48107338	2.813528299	0.052450344	0.000296593	5.229299068	0.001342609	0.010756236	0.000428296	0.000155075	7.97144E-05	0.11180301	2.03257E-06	7.12555E-05	0.000705188	0.001641052	0
2094 Mar	0.001004511	0.148218334	1.01781E-05	1.483348608	2.81789875	0.052533336	0.000297038	5.237353325	0.00134466	0.010772474	0.000428953	0.00015531	7.98354E-05	0.111976407	2.03562E-06	7.13633E-05	0.000706286	0.001643513	0
2094 Apr	0.001008595	0.148822516	1.02193E-05	1.489387989	2.829399109	0.052748602	0.000298242	5.258688927	0.001350128	0.010816169	0.0004307	0.00015594	8.01597E-05	0.11243324	2.04386E-06	7.16528E-05	0.000709169	0.00165017	0
2094 May	0.001017402	0.151932821	1.0206E-05	1.512422085	2.897144079	0.054929409	0.000294223	5.343576908	0.001366792	0.010837293	0.000450704	0.000158715	8.20388E-05	0.114969932	2.04119E-06	7.17473E-05	0.000731565	0.001656103	0
2094 Jun	0.00102619	0.156867504	1.01423E-05	1.54580915	3.002618551	0.058682654	0.000282071	5.460306168	0.001391482	0.01081887	0.000485575	0.000165006	8.50912E-05	0.118871853	2.02845E-06	7.13896E-05	0.000772185	0.001669608	0
2094 Jul	0.001086235	0.165748775	1.07765E-05	1.633697391	3.166521549	0.061728016	0.000297849	5.766804695	0.001472897	0.011472233	0.000510727	0.000175215	8.9844E-05	0.125389531	2.1553E-06	7.55705E-05	0.000814325	0.001774607	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Aug	0.001155737	0.176037237	1.14801E-05	1.73629427	3.361415625	0.065391906	0.000317512	6.129464149	0.001565903	0.012207022	0.000540933	0.000185738	9.54316E-05	0.133139834	2.29603E-06	8.0385E-05	0.000862277	0.001886586	0
2094 Sep	0.001153308	0.174304783	1.14679E-05	1.72491014	3.329431772	0.064153016	0.000324283	6.096171379	0.001555261	0.012204671	0.000529196	0.000182045	9.43168E-05	0.131949246	2.29358E-06	8.06276E-05	0.000847242	0.001871306	0
2094 Oct	0.001120611	0.167439878	1.11482E-05	1.663883567	3.199150801	0.060758606	0.000325605	5.891429901	0.001499585	0.011894057	0.000499143	0.000172172	9.02266E-05	0.126864597	2.22963E-06	7.89569E-05	0.000804887	0.001800919	0
2094 Nov	0.001090555	0.161048546	1.08545E-05	1.607275724	3.077882528	0.057572097	0.000327263	5.701881886	0.001447918	0.011610013	0.000470884	0.000162899	8.64071E-05	0.122134097	2.1709E-06	7.74469E-05	0.000765182	0.001735488	0
2094 Dec	0.0010889	0.160684615	1.08384E-05	1.604082942	3.070981264	0.057386812	0.00032742	5.691245079	0.001445	0.011594593	0.000469234	0.000162359	8.6188E-05	0.121865228	2.16767E-06	7.73676E-05	0.000762881	0.001731777	0
2095 Jan	0.001089181	0.160726815	1.08408E-05	1.604497433	3.071826458	0.057403274	0.000327513	5.692770004	0.001445354	0.011597371	0.000469332	0.000162389	8.62065E-05	0.121898487	2.16815E-06	7.73872E-05	0.000763077	0.001732123	0
2095 Feb	0.001089431	0.160769776	1.08427E-05	1.604898453	3.072697401	0.057422869	0.000327571	5.694235325	0.00144569	0.011599647	0.000469448	0.000162423	8.6225E-05	0.121932462	2.16854E-06	7.74028E-05	0.000763299	0.00173243	0
2095 Mar	0.001090464	0.160925582	1.08527E-05	1.606438637	3.075702667	0.057480842	0.000327872	5.699723244	0.001447064	0.011610439	0.000469898	0.000162575	8.63061E-05	0.122051395	2.17054E-06	7.7475E-05	0.000764049	0.001734024	0
2095 Apr	0.001096052	0.161752194	1.09081E-05	1.614681721	3.09151721	0.057777427	0.000329547	5.728983402	0.001454481	0.01166982	0.000472309	0.000163407	8.6748E-05	0.122678772	2.18163E-06	7.78714E-05	0.000767979	0.001742882	0
2095 May	0.001103998	0.16479677	1.089E-05	1.636936069	3.157687426	0.059955057	0.000324838	5.810176373	0.001470645	0.011682394	0.000492341	0.000166328	8.8613E-05	0.125154033	2.17801E-06	7.78862E-05	0.000790429	0.001749034	0
2095 Jun	0.001122858	0.17039457	1.0964E-05	1.680756569	3.273283482	0.06349621	0.000318961	5.963996887	0.001506026	0.011795628	0.000524533	0.000173008	9.19579E-05	0.129528895	2.19279E-06	7.84492E-05	0.000830146	0.001779006	0
2095 Jul	0.001191958	0.180532232	1.16661E-05	1.780836344	3.462514162	0.067003265	0.000337974	6.317831993	0.001597353	0.012529819	0.000553612	0.000183452	9.73549E-05	0.137041494	2.33321E-06	8.32136E-05	0.000876587	0.001890445	0
2095 Aug	0.001186307	0.178498477	1.16691E-05	1.766498446	3.419201851	0.06565664	0.000339327	6.268159389	0.001586194	0.012475809	0.00054181	0.000180122	9.63811E-05	0.135468379	2.33382E-06	8.27951E-05	0.000857529	0.001877058	0
2095 Sep	0.001185654	0.1772926	1.17118E-05	1.763230085	3.399248838	0.064787954	0.000345112	6.258093357	0.001583444	0.012481252	0.000533117	0.000177584	9.59972E-05	0.134838998	2.34235E-06	8.29785E-05	0.000845332	0.001871939	0
2095 Oct	0.001184543	0.176639289	1.17028E-05	1.758491874	3.386882782	0.064325213	0.000347442	6.243975163	0.001579055	0.012479273	0.000528776	0.000176261	9.55453E-05	0.13436836	2.34055E-06	8.30604E-05	0.000839952	0.001866055	0
2095 Nov	0.001169847	0.173404977	1.15618E-05	1.730069637	3.325211048	0.062666491	0.000348812	6.148842812	0.001553248	0.012345258	0.000513991	0.000171599	9.35849E-05	0.131964326	2.31237E-06	8.23718E-05	0.000819712	0.001834064	0
2095 Dec	0.00116863	0.173075005	1.15504E-05	1.727322578	3.31893301	0.062477842	0.000349264	6.139913082	0.00155074	0.012335404	0.000512277	0.000171065	9.33764E-05	0.131721333	2.31009E-06	8.23352E-05	0.00081745	0.001830889	0
2096 Jan	0.001168896	0.173115149	1.15526E-05	1.727715611	3.319744825	0.06249379	0.000349353	6.141368866	0.001551072	0.012337987	0.000512366	0.000171091	9.33933E-05	0.131753221	2.31052E-06	8.23536E-05	0.000817635	0.001831196	0
2096 Feb	0.001169547	0.173218429	1.15584E-05	1.728714824	3.32178092	0.062535822	0.000349528	6.14496851	0.001551941	0.012344434	0.000512659	0.000171183	9.34438E-05	0.13183336	2.31169E-06	8.23971E-05	0.000818144	0.001832115	0
2096 Mar	0.001170743	0.173399404	1.15699E-05	1.730503798	3.325281382	0.062603727	0.000349876	6.151352882	0.001553532	0.012356834	0.000513189	0.000171357	9.35386E-05	0.131971911	2.31399E-06	8.24801E-05	0.000819011	0.001833936	0
2096 Apr	0.001176372	0.174235106	1.16254E-05	1.738834262	3.341324568	0.062906899	0.000351552	6.180979729	0.001561002	0.01241611	0.000515658	0.000172179	9.39878E-05	0.132608414	2.32507E-06	8.28759E-05	0.000822964	0.001842722	0
2096 May	0.001189048	0.177125409	1.16992E-05	1.76322639	3.400806904	0.064529225	0.000351495	6.26860857	0.001580908	0.012512905	0.000530124	0.000175061	9.56582E-05	0.134886011	2.33984E-06	8.34836E-05	0.000841127	0.001859665	0
2096 Jun	0.00106791	0.162063912	1.06493E-05	1.601718545	3.092523336	0.059845846	0.000296452	5.651390076	0.001446186	0.011319918	0.000493991	0.000171776	8.77645E-05	0.122537896	2.12986E-06	7.46103E-05	0.000793253	0.001750567	0
2096 Jul	0.001090797	0.16514492	1.09946E-05	1.633560777	3.137795448	0.060442373	0.000300795	5.748464584	0.001481234	0.011634531	0.000498417	0.000178759	8.93424E-05	0.124399461	2.19892E-06	7.63842E-05	0.000809177	0.001817644	0
2096 Aug	0.001146149	0.173123971	1.15713E-05	1.71528852	3.289622545	0.063195236	0.000317752	6.036610126	0.001555568	0.012226589	0.000520698	0.000186903	9.37533E-05	0.130477026	2.31425E-06	8.02938E-05	0.000845502	0.001908053	0
2096 Sep	0.001130884	0.169181436	1.14352E-05	1.683969617	3.216819286	0.06105718	0.000322573	5.934414387	0.001526617	0.012087571	0.000501201	0.000180324	9.14937E-05	0.127701387	2.28704E-06	7.96911E-05	0.000818008	0.001868778	0
2096 Oct	0.00108911	0.160086915	1.10122E-05	1.603666067	3.045614243	0.05649069	0.000326438	5.668656826	0.001452534	0.011689345	0.000460615	0.000166414	8.60056E-05	0.121017918	2.20245E-06	7.76537E-05	0.000760495	0.001771826	0
2096 Nov	0.001086077	0.158979118	1.09815E-05	1.594989419	3.024945974	0.055795591	0.000329202	5.642043114	0.001444373	0.011668035	0.000454196	0.000164264	8.52755E-05	0.12022341	2.19629E-06	7.76484E-05	0.000752026	0.001760395	0
2096 Dec	0.001086342	0.159010202	1.09841E-05	1.595329642	3.025542021	0.055802934	0.000329325	5.643293858	0.001444677	0.011671014	0.000454247	0.000164284	8.52906E-05	0.120247416	2.19683E-06	7.76698E-05	0.000752135	0.001760749	0
2097 Jan	0.00108643	0.159023657	1.09847E-05	1.595459223	3.025826931	0.055808738	0.000329357	5.643791676	0.00144478	0.011671796	0.000454268	0.000164289	8.52949E-05	0.120258525	2.19694E-06	7.76758E-05	0.000752196	0.001760817	0
2097 Feb	0.001086506	0.159039125	1.09851E-05	1.595593929	3.026157618	0.05581725	0.000329368	5.644299507	0.001444884	0.01167233	0.000454307	0.000164298	8.53E-05	0.120271228	2.19702E-06	7.76796E-05	0.000752282	0.001760873	0
2097 Mar	0.0010875	0.159187049	1.09949E-05	1.597066879	3.028992653	0.055870861	0.000329663	5.649528027	0.001446207	0.011682861	0.000454726	0.000164447	8.53776E-05	0.120383665	2.19898E-06	7.77499E-05	0.000752989	0.001762448	0
2097 Apr	0.001094265	0.160178736	1.10632E-05	1.607009649	3.047873735	0.056219887	0.00033171	5.684710026	0.001455205	0.011755452	0.000457557	0.000165469	8.59085E-05	0.121133931	2.21264E-06	7.82331E-05	0.000757684	0.001773392	0
2097 May	0.001115346	0.164224997	1.12241E-05	1.64332819	3.129222393	0.058210559	0.00033451	5.814738274	0.001485964	0.011943744	0.000474945	0.000169467	8.81938E-05	0.124286585	2.24482E-06	7.94558E-05	0.000780879	0.001803578	0
2097 Jun	0.001100524	0.16550976	1.0964E-05	1.641233921	3.161156178	0.060478825	0.000314993	5.800871372	0.001480609	0.011697079	0.000497395	0.000173169	8.92789E-05	0.125300035	2.19279E-06	7.74931E-05	0.000804244	0.001788639	0
2097 Jul	0.001157513	0.173754081	1.15762E-05	1.723291397	3.311676979	0.063181818	0.000330356	6.086670399	0.001557188	0.012323716	0.000519603	0.000182706	9.36533E-05	0.131298259	2.31524E-06	8.14915E-05	0.000842356	0.001888973	0
2097 Aug	0.001194846	0.17881766	1.19743E-05	1.775835037	3.405725718	0.06474141	0.000342156	6.273083687	0.001605472	0.012721868	0.000532184	0.000187399	9.64214E-05	0.135088235	2.39486E-06	8.40861E-05	0.000862439	0.001947196	0
2097 Sep	0.001212133	0.180899799	1.21598E-05	1.799562454	3.446378231	0.065287478	0.000349877	6.35869503	0.001626843	0.012912365	0.000536036	0.0001889	9.75715E-05	0.136751443	2.43196E-06	8.54297E-05	0.000869758	0.001972007	0
2097 Oct	0.001196664	0.177479863	1.20061E-05	1.769571185	3.381826878	0.063548177	0.000351548	6.259280682	0.001599284	0.012767304	0.000520536	0.000183713	9.55056E-05	0.134235203	2.40121E-06	8.46957E-05	0.000848044	0.001936386	0
2097 Nov	0.001186414	0.175387323	1.19039E-05	1.750795841	3.34226656	0.062537208	0.000351697	6.196259975	0.001582086	0.012668103	0.000511618	0.000180709	9.42649E-05	0.132688314	2.38079E-06	8.41536E-05	0.000835313	0.001914416	0
2097 Dec	0.001184301	0.17498444	1.18829E-05	1.747105479	3.334638834	0.062352031	0.00035157	6.183736324	0.001578714	0.012647147	0.000510001	0.000180161	9.40302E-05	0.132389218	2.37657E-06	8.40328E-05	0.000832961	0.001910155	0
2098 Jan	0.001184523	0.175018236	1.18846E-05	1.747434497	3.335333109	0.062365849	0.000351647	6.184970379	0.001578986	0.012649252	0.000510068	0.00018018	9.40432E-05	0.132416412	2.37692E-06	8.40481E-05	0.000833116	0.001910383	0
2098 Feb	0.001184778	0.175063491	1.18865E-05	1.747851491	3.336259604	0.062387299	0.000351702	6.186502457	0.001579331	0.012651493	0.000510188	0.000180214	9.40618E-05	0.132452443	2.37729E-06	8.40635E-05	0.000833354	0.001910678	0
2098 Mar	0.001185526	0.175178096	1.18936E-05	1.748976827	3.338479042	0.062431049	0.000351913	6.190515995	0.00158033	0.012659213	0.000510516	0.000180325	9.41203E-05	0.132540137	2.37871E-06	8.41151E-05	0.000833911	0.00191182	0
2098 Apr	0.001190573	0.176047131	1.19329E-05	1.757089376	3.356082201	0.062827207	0.000353076	6.220134735	0.001587141	0.012705289	0.000512861	0.00018102	9.44951E-05	0.133226842	2.38659E-06	8.44299E-05	0.00083841	0.001918078	0
2098 May	0.00119897	0.180286303	1.18386E-05	1.786206603	3.452189922	0.066152394	0.000344875	6.330397129	0.001605971	0.012666363	0.000540022	0.000184233	9.67622E-05	0.136787876	2.36772E-06	8.41237E-05	0.000870721	0.001914619	0
2098 Jun	0.001110223	0.171704546	1.07985E-05	1.681206107	3.299171686	0.065473393	0.000299128	5.950954437	0.00150629	0.011601866	0.000540494	0.000178357	9.27705E-05	0.130380005	2.1597E-06	7.66525E-05	0.000852417	0.001782092	0
2098 Jul	0.001174513	0.181387037	1.14744E-05	1.776634455	3.478826284	0.068887457	0.00031567	6.282903194	0.001594529	0.012302624	0.00056853	0.000189784	9.7951E-05	0.137511924	2.29488E-06	8.11442E-05	0.000899901	0.001896466	0
2098 Aug	0.001182835	0.181431711	1.16171E-05	1.785320401	3.479676008	0.068379469	0.000322903	6.314750195	0.001603304	0.01239862	0.000563143	0.000188463	9.82432E-05	0.137718946	2.32342E-06	8.18298E-05	0.000891803	0.001905607	0
2098 Sep	0.001135255	0.171468586	1.1202E-05	1.70090282	3.291867256	0.063502371	0.000324245	6.026564598	0.001527243	0.011942951	0.000519952	0.000174706	9.27815E-05	0.130498469	2.2404E-06	7.92725E-05	0.000829478	0.001811079	0
2098 Oct	0.001095068	0.162818432	1.08162E-05	1.624276638	3.126515388	0.059122603	0.000326695	5.769296169	0.00145776	0.011570608	0.000481359	0.000162371	8.75961E-05	0.124048032	2.16324E-06	7.72967E-05	0.000775657	0.001724926	0
2098 Nov	0.001081536	0.159870937	1.06864E-05	1.598253489	3.070179701	0.057619102	0.000327708	5.682075977	0.001434156	0.011445912	0.000468092	0.000158135	8.58245E-05	0.121851347	2.13729E-06	7.66427E-05	0.000757204	0.001695619	0
2098 Dec	0.001082144	0.159946188	1.06925E-05	1.599058509	3.071628809	0.057639457	0.000327971	5.685019016	0.001434874	0.011452622	0.000468241	0.000158189	8.5862E-05	0.121909462	2.1385E-06	7.66904E-05	0.000757492	0.001696447	0
2099 Jan	0.001082388	0.159982935	1.06946E-05	1.599420309	3.072365046	0.057653796	0.000328051	5.686348438	0.001435183	0.011455045	0.000468327	0.000158216	8.58783E-05	0.12193846	2.13892E-06	7.67074E-05	0.000757662	0.001696751	0
2099 Feb	0.00108268	0.160031065	1.0697E-05	1.599878192	3.073328733	0.057674579	0.000328126	5.688010216	0.001435574	0.011457822	0.00046846	0.000158256	8.59004E-05	0.121976212	2.13941E-06	7.67263E-05	0.000757905	0.001697136	0
2099 Mar	0.001084929	0.160366192	1.0719E-05	1.603215814	3.079786777	0.057797253	0.000328799	5.699895382	0.001438558	0.01148145	0.000469437	0.000158583	8.60782E-05	0.122232243	2.1438E-06	7.68847E-05	0.000759501	0.001700621	0
2099 Apr	0.001096185	0.162240461	1.08116E-05	1.620979667	3.117440939	0.058617115	0.000331615	5.764483452	0.001453655	0.011587622	0.000474592	0.000160127	8.69273E-05	0.123706155	2.16232E-06	7.7609E-05	0.000769014	0.001715236	0
2099 May	0.001108228	0.170613855	1.04843E-05	1.674821496	3.315712929	0.065742828	0.000312833	5.979512215	0.001483012	0.011397236	0.000515726	0.00016407	8.96197E-05	0.130989283	2.09685E-06	7.63694E-05	0.000833404	0.001680495	0
2099 Jun	0.001080919	0.168219313	1.02059E-05	1.643930554	3.26815629	0.065590523	0.000296155	5.859608173	0.001456147	0.011095226	0.000518931	0.000164635	8.87745E-05	0.128999278	2.04118E-06	7.40709E-05	0.000831791	0.001655317	0
2099 Jul	0.001134441	0.176162958	1.07618E-05	1.722067714	3.415085793	0.06834425	0.000310011	6.133451462	0.001528146	0.011669763	0.000540757	0.000173419	9.29104E-05	0.134834081	2.15235E-06	7.77462E-05	0.000869013	0.0017461	0
2099 Aug	0.001181884	0.182659537	1.12591E-05	1.791873336	3.541747808	0.070509985	0.000326772	6.382268906	0.001590803	0.012167241	0.000557003	0.000178944	9.65745E-05	0.139963537	2.25182E-06	8.11099E-05	0.000895594	0.001817425	0
2099 Sep	0.001153018	0.176329508	1.10444E-05	1.740862131	3.421623707	0.067296535	0.000328521	6.20519352	0.001545915	0.011902074	0.000529535	0.000170634	9.33883E-05	0.135406569	2.20889E-06	7.96049E-05	0.000854962	0.001764821	0
2099 Oct	0.001126715	0.170533791	1.08085E-05	1.689881206	3.309034586	0.064269803	0.000330308	6.032192707	0.001500536	0.011670119	0.000503996	0.000162833	9.00165E-05	0.13102439	2.16169E-06	7.8365E-05	0.000818866	0.001711886	0
2099 Nov	0.001110506	0.167159259	1.06613E-05	1.659716845	3.243489504	0.062570311	0.000330378	5.929077148	0.001473696	0.011522789	0.000489753	0.00015846	8.80765E-05	0.128467605	2.13225E-06	7.7537E-05	0.000798466	0.001680674	0
2099 Dec	0.001111134	0.167242393	1.06674E-05	1.660583019	3.24510169	0.062596105	0.000330624	5.932228088	0.001474464	0.01152956	0.000489944	0.000158525	8.81184E-05	0.128531948	2.13348E-06	7.75846E-05	0.000798811	0.001681543	0
2100 Jan	0.001111233	0.167257473	1.06681E-05	1.660728455	3.245419502	0.06260252	0.00033066	5.932785511	0.00147458	0.01153045	0.000489967	0.00015853	8.81232E-05	0.128544331	2.13361E-06	7.75913E-05	0.000798879	0.001681621	0
2100 Feb	0.00111137	0.167282641	1.0669E-05	1.660957336	3.245942831	0.062615015	0.000330688	5.933633327	0.001474765	0.01153159	0.000490033	0.000158548	8.8133E-05	0.128564611	2.1338E-06	7.75993E-05	0.000799013	0.001681764	0
2100 Mar	0.001111875	0.16736117	1.06736E-05	1.661725283	3.247484922	0.062646076	0.000330831	5.936394215	0.001475437	0.011536676	0.000490259	0.000158619	8.81725E-05	0.128625467	2.13472E-06	7.76337E-05	0.000799395	0.001682492	0
2100 Apr	0.001119554	0.168518499	1.07472E-05	1.673209906	3.269953012	0.063080244	0.000333112	5.97743082	0.001485629	0.011616268	0.000493647	0.000159713	8.87812E-05	0.129515231	2.14944E-06	7.81693E-05	0.000804928	0.001694092	0
2100 May	0.001134117	0.173167422	1.07737E-05	1.708483458	3.367698669	0.066147916	0.000327559	6.103710651	0.00151296	0.011684054	0.000523011	0.000164719	9.16856E-05	0.133191973	2.15473E-06	7.84903E-05	0.000838142	0.001712355	0
2100 Jun	0.001058172	0.165247738	1.00064E-05	1.614813089	3.211537123	0.064701281	0.000287408	5.750180721	0.001430846	0.010857102	0.000519382	0.000162927	8.81845E-05	0.126778528	2.00128E-06	7.23843E-05	0.000820373	0.001629494	0
2100 Jul	0.001062868	0.165551484	1.01524E-05	1.619093895	3.205531597	0.064316712	0.000287173	5.752929688	0.001440056	0.01096682	0.000516021	0.000166223	8.82832E-05	0.126601279	2.03048E-06	7.28525E-05	0.000821874	0.001661037	0
2100 Aug	0.001054343	0.162751868	1.01469E-05	1.60066843	3.149706841	0.062576182	0.000290164	5.688315868	0.00142526	0.010892375	0.000500884	0.000161943	8.7078E-05	0.124590777	2.02938E-06	7.23786E-05	0.000798036	0.001643845	0
2100 Sep	0.001049584	0.160791114	1.01538E-05	1.590221882	3.114501953	0.061346143	0.000295265	5.652888775	0.001416326	0.010860214	0.000489535	0.000158637	8.6288E-05	0.123361275	2.03075E-06	7.23196E-05	0.00078167	0.001632357	0
2100 Oct	0.001050188	0.160333365	1.01636E-05	1.587606311	3.105628252	0.060919967	0.000298335	5.6463871	0.001413935	0.010878444	0.000485592	0.000157492	8.59427E-05	0.123031862	2.03272E-06	7.25404E-05	0.000776964	0.001629148	0
2100 Nov	0.001051911	0.160472348	1.01812E-05	1.589415193	3.108318567	0.06091582	0.00029948	5.65345335	0.001415532	0.010899002	0.000485435	0.000157471	8.59946E-05	0.123143442	2.03624E-06	7.26999E-05	0.000777076	0.001630886	0
2100 Dec	0.001052913	0.160617352	1.0191E-05	1.590878725	3.1111269	0.060967248	0.000299806	5.658698559	0.001416835	0.010909554	0.000485837	0.000157603	8.60709E-05	0.123255014	2.03819E-06	7.27717E-05	0.000777743	0.00163238	0
2101 Jan	0.001053172	0.16065681	1.01933E-05	1.591266751	3.111911774	0.060982753	0.000299887	5.66011095	0.001417169	0.010912133	0.000485939	0.000157635	8.60895E-05	0.123285949	2.03865E-06	7.27896E-05	0.000777929	0.001632722	0
2101 Feb	0.001053294	0.160678849	1.01941E-05	1.591468692	3.112366199	0.060993452	0.000299912	5.660855293	0.001417335	0.010913177	0.000485998	0.000157651	8.60984E-05	0.1233036	2.03882E-06	7.27968E-05	0.000778046	0.001632858	0
2101 Mar	0.00105368	0.160739705	1.01977E-05	1.592062593	3.1135602	0.06101783	0.000300017	5.662981987	0.001417856	0.010917062	0.000486178	0.000157707	8.61295E-05	0.123350725	2.03954E-06	7.28228E-05	0.000778346	0.001633428	0
2101 Apr	0.001058049	0.161411107	1.02395E-05	1.598689437	3.126605034	0.061276019	0.000301247	5.686590672	0.001423737	0.010962018	0.000488199	0.000158358	8.64852E-05	0.123867005	2.0479E-06	7.31231E-05	0.000781611	0.001640124	0
2101 May	0.001073488	0.165985435	1.0274E-05	1.633857369	3.222962618	0.064222112	0.000297054	5.813842773	0.001450876	0.011042492	0.000515763	0.000162967	8.92395E-05	0.127494901	2.0548E-06	7.35693E-05	0.000813463	0.001657655	0
2101 Jun	0.001041089	0.16355966	9.91078E-06	1.598589182	3.175987244	0.064421214	0.000275853	5.678208351	0.001419168	0.010669988	0.000522234	0.000163931	8.83053E-05	0.125449434	1.98216E-06	7.07583E-05	0.000815634	0.001624818	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jul	0.001097919	0.172318965	1.04908E-05	1.684712172	3.341498613	0.067675911	0.000290368	5.979308128	0.001497711	0.011276529	0.000548497	0.000173872	9.30052E-05	0.132009849	2.09817E-06	7.46822E-05	0.000859341	0.001722896	0
2101 Aug	0.001153172	0.180631027	1.10368E-05	1.768013597	3.502078533	0.070777521	0.000306206	6.275211811	0.001572183	0.011847439	0.000573372	0.000181906	9.75498E-05	0.138398722	2.20736E-06	7.84648E-05	0.00089835	0.001808603	0
2101 Sep	0.001135692	0.175978139	1.09252E-05	1.733227491	3.414290667	0.068170018	0.00031154	6.157083988	0.001541557	0.0117008	0.000550138	0.000175042	9.51337E-05	0.135110587	2.18504E-06	7.77729E-05	0.000865582	0.001771797	0
2101 Oct	0.001128606	0.173859149	1.08652E-05	1.715866804	3.373113871	0.066886581	0.00031494	6.100496292	0.001526029	0.011650142	0.000538789	0.000171671	9.38023E-05	0.133522034	2.17305E-06	7.76178E-05	0.000850599	0.001753188	0
2101 Nov	0.001106373	0.169019118	1.06625E-05	1.672991395	3.27911973	0.064379662	0.000316142	5.955132961	0.001487777	0.011451609	0.000517204	0.000165131	9.09318E-05	0.129858345	2.13251E-06	7.65462E-05	0.000820561	0.001708181	0
2101 Dec	0.001104841	0.168531209	1.06498E-05	1.669047356	3.269637585	0.064077117	0.000317034	5.942369938	0.001484248	0.011441316	0.000514519	0.000164336	9.06224E-05	0.129493147	2.12996E-06	7.65223E-05	0.000817041	0.001703938	0
2102 Jan	0.001104935	0.168545425	1.06503E-05	1.669182897	3.269948959	0.064083457	0.000317072	5.942910194	0.001484349	0.011442099	0.00051453	0.000164336	9.06254E-05	0.129505217	2.13007E-06	7.65287E-05	0.000817102	0.001703977	0
2102 Feb	0.001105189	0.168590397	1.06522E-05	1.669599175	3.270870686	0.064104736	0.000317128	5.944437504	0.001484694	0.011444339	0.000514654	0.000164371	9.06444E-05	0.129541084	2.13044E-06	7.65441E-05	0.000817338	0.001704274	0
2102 Mar	0.001105876	0.168698594	1.06585E-05	1.670654893	3.272996426	0.064148143	0.000317316	5.948220253	0.001485619	0.011451241	0.000514976	0.000164471	9.06998E-05	0.129624948	2.1317E-06	7.65905E-05	0.000817872	0.001705282	0
2102 Apr	0.001109309	0.169224203	1.06914E-05	1.675850987	3.283209085	0.064349316	0.000318295	5.966734886	0.001490231	0.011486664	0.000516576	0.00016498	9.09808E-05	0.130029216	2.13828E-06	7.68276E-05	0.000820426	0.001710545	0
2102 May	0.001126038	0.17177999	1.08524E-05	1.70114398	3.3328104 02	0.065323278	0.000323082	6.056796074	0.001512715	0.011659744	0.000524395	0.000167471	9.23548E-05	0.131993324	2.17049E-06	7.79851E-05	0.000832832	0.001736324	0
2102 Jun	0.001015577	0.153946355	1.02979E-05	1.530493855	2.933445692	0.056575563	0.000282398	5.376503944	0.001388069	0.010852928	0.000452066	0.000168219	8.25768E-05	0.116435215	2.05958E-06	7.13465E-05	0.000758477	0.001708711	0
2102 Jul	0.000989317	0.149159431	1.03149E-05	1.486137033	2.810257673	0.053572819	0.000270143	5.18232584	0.001363111	0.010752427	0.000426997	0.000172461	7.98517E-05	0.111702405	2.06298E-06	6.99805E-05	0.000738722	0.001739078	0
2102 Aug	0.00101817	0.152772784	1.06455E-05	1.527031898	2.878576279	0.054560948	0.00028105	5.326562881	0.001400917	0.011066084	0.000434188	0.000175626	8.19553E-05	0.114520915	2.12911E-06	7.20634E-05	0.000751299	0.001785067	0
2102 Sep	0.001023264	0.152586594	1.07172E-05	1.531064987	2.877424955	0.054118764	0.000287807	5.344663143	0.001404206	0.011129167	0.000429508	0.00017399	8.19416E-05	0.114573464	2.14344E-06	7.26464E-05	0.000745063	0.001785968	0
2102 Oct	0.000989098	0.1455798	1.03462E-05	1.467418432	2.746982813	0.05078366	0.000289038	5.135511875	0.001344536	0.010783688	0.000401028	0.000162892	7.78052E-05	0.109448358	2.06924E-06	7.08167E-05	0.000701508	0.001704126	0
2102 Nov	0.000991107	0.14573878	1.03663E-05	1.469503522	2.750105143	0.050777532	0.0002904	5.14374876	0.001346353	0.010807462	0.000400832	0.000162845	7.78631E-05	0.109577745	2.07326E-06	7.10032E-05	0.000701598	0.001706	0
2102 Dec	0.000991699	0.14581874	1.03724E-05	1.470334411	2.751620054	0.050802231	0.000290613	5.146705627	0.001347109	0.010814006	0.000401019	0.000162922	7.79044E-05	0.109638363	2.07449E-06	7.10478E-05	0.000701948	0.001706936	0
2103 Jan	0.000991874	0.145845011	1.0374E-05	1.470593572	2.75214386	0.050812382	0.00029067	5.14765358	0.001347332	0.010815758	0.000401078	0.000162942	7.79159E-05	0.109659009	2.07479E-06	7.106E-05	0.00070207	0.001707161	0
2103 Feb	0.000992287	0.145909652	1.03779E-05	1.471226454	2.753398895	0.050837714	0.000290781	5.149901867	0.001347894	0.010820005	0.000401252	0.000163007	7.79476E-05	0.109708592	2.07558E-06	7.10882E-05	0.000702392	0.001707806	0
2103 Mar	0.000993139	0.146037012	1.03866E-05	1.472500324	2.755821466	0.050883617	0.000291025	5.154378891	0.001349052	0.01082915	0.000401601	0.000163145	7.80141E-05	0.109804891	2.07732E-06	7.11485E-05	0.000703011	0.001709235	0
2103 Apr	0.000997454	0.1466728	1.04316E-05	1.478904963	2.767830133	0.051106021	0.000292287	5.176808834	0.001354914	0.010876124	0.000403348	0.000163853	7.83528E-05	0.110283241	2.08632E-06	7.14572E-05	0.000706075	0.001716642	0
2103 May	0.001017915	0.151801795	1.0509E-05	1.520496368	2.876019716	0.054200847	0.000290778	5.329349041	0.001387242	0.011004522	0.000431649	0.00016831	8.1374E-05	0.114392541	2.10179E-06	7.22761E-05	0.000739015	0.001737344	0
2103 Jun	0.000972116	0.149507999	9.85186E-06	1.476518869	2.844875097	0.055804197	0.000258634	5.173113346	0.001340784	0.010377708	0.000452221	0.000167359	8.07178E-05	0.112773784	1.97037E-06	6.78131E-05	0.000749103	0.001661024	0
2103 Jul	0.00098657	0.151066422	1.00916E-05	1.492815018	2.860764265	0.055759795	0.000260944	5.220771313	0.001360883	0.010580754	0.000451755	0.000171229	8.14259E-05	0.113469012	2.01832E-06	6.88557E-05	0.000753765	0.001703082	0
2103 Aug	0.000990929	0.149897784	1.02004E-05	1.48437202	2.823409081	0.054255918	0.000263363	5.196146488	0.0013567	0.010621255	0.000439819	0.000167614	8.06478E-05	0.112124771	2.04008E-06	6.88538E-05	0.000731131	0.001696771	0
2103 Sep	0.000981087	0.146779492	1.01068E-05	1.460714936	2.766940594	0.052434437	0.00027006	5.122376919	0.001334246	0.010538886	0.00042326	0.000161699	7.88071E-05	0.109978996	2.02136E-06	6.86624E-05	0.000707896	0.001664272	0
2103 Oct	0.000950509	0.139571965	9.78215E-06	1.398452044	2.633407116	0.048688099	0.000276725	4.920936584	0.001275809	0.01025252	0.000390213	0.000149694	7.44279E-05	0.104771577	1.95643E-06	6.73842E-05	0.000660663	0.001584455	0
2103 Nov	0.000943959	0.13785997	9.71199E-06	1.384046316	2.601783752	0.047750793	0.000279115	4.875117302	0.001262216	0.01019386	0.000381866	0.000146678	7.33671E-05	0.103542484	1.9424E-06	6.71654E-05	0.000648939	0.001565573	0
2103 Dec	0.000944321	0.137903064	9.71567E-06	1.384514809	2.60260582	0.047761269	0.000279278	4.876831532	0.001262637	0.010197924	0.000381939	0.000146708	7.33881E-05	0.103575587	1.94313E-06	6.71944E-05	0.000649094	0.00156607	0
2104 Jan	0.000944417	0.137917846	9.71631E-06	1.384657025	2.602919817	0.04776768	0.000279313	4.877378941	0.001262749	0.010198777	0.000381963	0.000146713	7.33929E-05	0.103587814	1.94326E-06	6.72009E-05	0.000649161	0.001566141	0
2104 Feb	0.000944597	0.137949198	9.7177E-06	1.384948611	2.603555679	0.047782108	0.000279354	4.878444672	0.001262993	0.010200407	0.000382045	0.000146738	7.3406E-05	0.103612602	1.94354E-06	6.7212E-05	0.000649324	0.001566363	0
2104 Mar	0.000945466	0.138078675	9.72638E-06	1.386236072	2.606023073	0.04782889	0.000279604	4.882999897	0.001264156	0.010209611	0.000382401	0.000146871	7.3473E-05	0.103710525	1.94528E-06	6.72729E-05	0.000649941	0.00156776	0
2104 Apr	0.000951966	0.139029488	9.79311E-06	1.395774603	2.623981714	0.048159327	0.000281522	4.916611195	0.001272848	0.010279707	0.000385033	0.00014788	7.39779E-05	0.104425058	1.95862E-06	6.77348E-05	0.000654421	0.001578515	0
2104 May	0.000976621	0.145819932	9.86041E-06	1.449764132	2.768811703	0.052459098	0.000277594	5.113950729	0.001314197	0.010415724	0.000424355	0.000154044	7.80351E-05	0.109907985	1.97208E-06	6.85806E-05	0.00070009	0.00160325	0
2104 Jun	0.000939171	0.143815368	9.35694E-06	1.414686799	2.740272999	0.053625256	0.000252114	4.985039234	0.0012782	0.009925073	0.000438809	0.00015408	7.74389E-05	0.108503483	1.87139E-06	6.50708E-05	0.000708601	0.001549216	0
2104 Jul	0.000970439	0.148155153	9.73063E-06	1.457999945	2.81381464	0.054825142	0.000259482	5.131530285	0.001320835	0.010287286	0.000448565	0.00016009	7.96863E-05	0.111459516	1.94613E-06	6.72541E-05	0.000727735	0.001612151	0
2104 Aug	0.000992694	0.150680631	9.99297E-06	1.487796307	2.860339403	0.055360105	0.000268387	5.237728119	0.001348647	0.010526499	0.000452302	0.000161787	8.11829E-05	0.113413334	1.99859E-06	6.88254E-05	0.000733747	0.001644928	0
2104 Sep	0.000976072	0.146495491	9.86904E-06	1.456908703	2.78458333	0.053159852	0.000273128	5.134533882	0.001320363	0.010370638	0.00043228	0.000155089	7.90798E-05	0.110586457	1.97381E-06	6.80883E-05	0.000704441	0.001606639	0
2104 Oct	0.000955317	0.141328514	9.65881E-06	1.412858963	2.687618971	0.050359726	0.000278804	4.991605759	0.001279537	0.010187012	0.00040732	0.00014663	7.58868E-05	0.10681536	1.93176E-06	6.73149E-05	0.000670009	0.001552757	0
2104 Nov	0.000951378	0.140152439	9.61887E-06	1.403253675	2.665620565	0.049669307	0.000280974	4.96126318	0.001270573	0.010155667	0.000401082	0.000144533	7.51369E-05	0.105964445	1.92378E-06	6.72322E-05	0.000661622	0.001540653	0
2104 Dec	0.000951841	0.140213385	9.62356E-06	1.40389061	2.666784286	0.049687535	0.000281152	4.963559628	0.001271147	0.010160747	0.000401221	0.000144585	7.51681E-05	0.106010988	1.92471E-06	6.72674E-05	0.000661874	0.001541333	0
2105 Jan	0.0009519	0.140222535	9.62388E-06	1.403977394	2.666985035	0.049691726	0.000281175	4.963903904	0.001271212	0.010161233	0.000401231	0.000144586	7.51703E-05	0.106018767	1.92478E-06	6.72714E-05	0.000661915	0.001541359	0
2105 Feb	0.000952094	0.140255094	9.62547E-06	1.404284835	2.667638779	0.049706094	0.000281222	4.96502018	0.001271473	0.010163048	0.000401319	0.000144613	7.51848E-05	0.106044345	1.92509E-06	6.72837E-05	0.000662081	0.001541611	0
2105 Mar	0.000952413	0.140304402	9.6285E-06	1.404768348	2.668595314	0.049725108	0.00028131	4.966745853	0.001271901	0.010166325	0.000401457	0.00014466	7.52096E-05	0.106082141	1.9257E-06	6.73055E-05	0.00066232	0.001542095	0
2105 Apr	0.000956003	0.14083451	9.66468E-06	1.410070062	2.678688765	0.049913865	0.000282367	4.985500813	0.001276696	0.010204566	0.000402973	0.000145205	7.54928E-05	0.106483243	1.93294E-06	6.75588E-05	0.000664827	0.001547889	0
2105 May	0.000974658	0.146038324	9.71652E-06	1.451212645	2.789171219	0.053211644	0.000278974	5.135229588	0.001308385	0.010308123	0.000433085	0.000150119	7.85882E-05	0.110662378	1.9433E-06	6.81856E-05	0.000700135	0.001567774	0
2105 Jun	0.000981181	0.149759457	9.67029E-06	1.476356506	2.868497849	0.056037575	0.000269787	5.222438335	0.001327154	0.010297602	0.000459696	0.000155088	8.09179E-05	0.113594018	1.93406E-06	6.79388E-05	0.000731282	0.001579376	0
2105 Jul	0.001015772	0.154507324	1.00513E-05	1.523303866	2.951261282	0.057406604	0.0002785	5.386670589	0.001371802	0.010673568	0.000471096	0.000160222	8.33718E-05	0.116907537	2.01026E-06	7.025E-05	0.000750083	0.001637811	0
2105 Aug	0.000999494	0.150304943	9.97183E-06	1.490827322	2.866196156	0.055010382	0.0002791	5.273931503	0.001344676	0.010511188	0.000450334	0.000153954	8.13212E-05	0.113748454	1.99437E-06	6.91438E-05	0.000716688	0.001604485	0
2105 Sep	0.00096585	0.142683804	9.69838E-06	1.430432439	2.725681305	0.051161483	0.000283907	5.069102764	0.001289904	0.010195813	0.000415664	0.00014283	7.73136E-05	0.10842108	1.93968E-06	6.75105E-05	0.000666979	0.001534599	0
2105 Oct	0.000943509	0.137496576	9.47618E-06	1.385204673	2.627468348	0.048427522	0.000287866	4.919859886	0.001248433	0.009997854	0.00039135	0.000134962	7.41081E-05	0.104586802	1.89524E-06	6.65917E-05	0.000633978	0.001482204	0
2105 Nov	0.000935735	0.135595977	9.39898E-06	1.368852258	2.591511726	0.047397554	0.000289777	4.866309643	0.001233414	0.009930904	0.000382145	0.000131993	7.29208E-05	0.103185393	1.8798E-06	6.63046E-05	0.000621604	0.001463116	0
2105 Dec	0.00093595	0.135617331	9.40114E-06	1.369103312	2.591924191	0.047400434	0.000289898	4.867259502	0.001233637	0.009933373	0.000382157	0.000131999	7.29302E-05	0.103202194	1.88023E-06	6.63231E-05	0.000621656	0.001463364	0
2106 Jan	0.000936029	0.135629743	9.40161E-06	1.369220972	2.592192411	0.047406025	0.000289928	4.867720127	0.001233727	0.009934049	0.000382173	0.000132002	7.29336E-05	0.103212595	1.88032E-06	6.63285E-05	0.000621712	0.001463411	0
2106 Feb	0.000936136	0.135650381	9.40224E-06	1.369405031	2.592627287	0.047416795	0.000289946	4.868407249	0.001233873	0.009934879	0.000382226	0.000132015	7.2941E-05	0.103229381	1.88045E-06	6.63343E-05	0.000621824	0.001463508	0
2106 Mar	0.000936575	0.135716841	9.4064E-06	1.37006259	2.593919277	0.047441959	0.000290075	4.870762825	0.001234454	0.009939374	0.00038241	0.000132076	7.29748E-05	0.103280537	1.88128E-06	6.63645E-05	0.000622138	0.001464156	0
2106 Apr	0.000941221	0.136391655	9.45293E-06	1.376867294	2.606829643	0.047678966	0.000291509	4.894964695	0.001240579	0.009988584	0.000384309	0.000132731	7.33365E-05	0.103794411	1.89058E-06	6.66932E-05	0.000625237	0.001471397	0
2106 May	0.000960476	0.140134722	9.59798E-06	1.410293102	2.682163	0.049538933	0.000293886	5.014578819	0.001268841	0.010159519	0.000400598	0.000136462	7.54532E-05	0.10671065	1.9196E-06	6.78008E-05	0.000646912	0.001499051	0
2106 Jun	0.000918637	0.137890324	9.18186E-06	1.371055245	2.633466244	0.050357569	0.000261274	4.847262859	0.001236837	0.009712338	0.000411717	0.000142473	7.46027E-05	0.104520351	1.83637E-06	6.41436E-05	0.000661969	0.001484209	0
2106 Jul	0.000944012	0.141116783	9.56398E-06	1.40429306	2.678328514	0.050842963	0.000266007	4.949324131	0.00127395	0.010054715	0.000415338	0.000149481	7.62088E-05	0.106379032	1.9128E-06	6.60349E-05	0.00067639	0.001554781	0
2106 Aug	0.000941166	0.138952643	9.61095E-06	1.390098691	2.629344702	0.049153984	0.000268995	4.902356148	0.001263568	0.010026333	0.000400792	0.000145104	7.51564E-05	0.104627132	1.92219E-06	6.57373E-05	0.000651621	0.001540697	0
2106 Sep	0.000918997	0.133436263	9.44922E-06	1.350375533	2.53102684	0.046306334	0.000275427	4.769224644	0.001226989	0.00981611	0.000374552	0.000136288	7.24689E-05	0.100980558	1.88984E-06	6.47481E-05	0.000613258	0.001490531	0
2106 Oct	0.000915916	0.132032767	9.4141E-06	1.339607358	2.505116463	0.04537487	0.000279997	4.737327576	0.001216691	0.009800993	0.000365906	0.000133393	7.14942E-05	0.099981166	1.88282E-06	6.48626E-05	0.00060229	0.001475911	0
2106 Nov	0.000918514	0.132386163	9.44073E-06	1.343269229	2.511837482	0.045486454	0.000280912	4.750412941	0.001220005	0.009829184	0.000366781	0.000133718	7.16809E-05	0.100250177	1.88815E-06	6.50539E-05	0.000603802	0.001479884	0
2106 Dec	0.00091887	0.132432595	9.44437E-06	1.343758345	2.512722254	0.045500092	0.000281049	4.752174377	0.001220447	0.009833091	0.000366885	0.000133757	7.17049E-05	0.100285664	1.88887E-06	6.50808E-05	0.00060399	0.001480409	0
2107 Jan	0.000918961	0.132446244	9.4451E-06	1.343891859	2.513000727	0.045505576	0.000281081	4.752673149	0.001220558	0.009833957	0.000366912	0.000133765	7.17103E-05	0.100296594	1.88902E-06	6.50871E-05	0.000604052	0.001480506	0
2107 Feb	0.000919268	0.13249363	9.44798E-06	1.344357729	2.513925076	0.045524005	0.000281166	4.754342079	0.001220968	0.009837065	0.000367041	0.000133808	7.17338E-05	0.100333147	1.8896E-06	6.51079E-05	0.000604279	0.001480958	0
2107 Mar	0.000920252	0.132637113	9.45794E-06	1.345805526	2.516661167	0.045574479	0.000281463	4.759473801	0.001222276	0.009847494	0.000367437	0.000133951	7.18102E-05	0.100442171	1.89159E-06	6.5177E-05	0.000604939	0.001482519	0
2107 Apr	0.000922532	0.132966608	9.48129E-06	1.349143982	2.522920609	0.045688361	0.000282157	4.771287441	0.001225305	0.009871829	0.000368349	0.000134282	7.1988E-05	0.1006919	1.89626E-06	6.53382E-05	0.000606445	0.001486178	0
2107 May	0.000933113	0.135964692	9.50833E-06	1.372608185	2.586478949	0.047594585	0.000280091	4.856575012	0.001243368	0.009931218	0.000385682	0.000137201	7.37448E-05	0.10308975	1.90167E-06	6.56993E-05	0.000627125	0.001497805	0
2107 Jun	0.000938738	0.140561923	9.42164E-06	1.401633143	2.683858871	0.051222865	0.000266452	4.954859257	0.001264971	0.009897147	0.000419739	0.000144188	7.65488E-05	0.106645986	1.88433E-06	6.52182E-05	0.000668583	0.001513102	0
2107 Jul	0.000960764	0.143216148	9.69858E-06	1.428130031	2.723354816	0.051657747	0.00027138	5.045106411	0.001292361	0.01015025	0.000423483	0.000147489	7.78377E-05	0.108261548	1.93972E-06	6.66522E-05	0.000676041	0.00155428	0
2107 Aug	0.000995746	0.147895575	1.00751E-05	1.476588368	2.809019804	0.053046726	0.000282102	5.217204571	0.001337155	0.010520888	0.000434733	0.000151701	8.03847E-05	0.111720659	2.01501E-06	6.90322E-05	0.000693539	0.001608131	0
2107 Sep	0.001005096	0.148317397	1.01769E-05	1.485090137	2.818133593	0.052770309	0.000290244	5.252259731	0.001344507	0.010636983	0.000431339	0.000150774	8.04952E-05	0.112139612	2.03539E-06	6.99925E-05	0.000690852	0.001615133	0
2107 Oct	0.000991923	0.145167664	1.0043E-05	1.457922459	2.759072304	0.051095348	0.000293307	5.163436413	0.001319378	0.01052125	0.00041629	0.000145823	7.85308E-05	0.10983523	2.0086E-06	6.94932E-05	0.000670605	0.001582717	0
2107 Nov	0.000986693	0.143898576	9.98983E-06	1.447017908	2.73528266	0.050415181	0.000294629	5.127864361	0.001309286	0.010475671	0.00041017	0.000143811	7.77368E-05	0.108907476	1.99797E-06	6.93015E-05	0.000662394	0.001569674	0
2107 Dec	0.000987043	0.143942535	9.99336E-06	1.447485924	2.736123085	0.050427299	0.000294774	5.129565716	0.001309706	0.010479525	0.000410261	0.000143845	7.7759E-05	0.108941212	1.99867E-06	6.93285E-05	0.000662564	0.001570164	0
2108 Jan	0.000987213	0.143967971	9.99481E-06	1.447736025	2.736633301	0.050437219	0.00029483	5.130488396	0.001309919	0.010481194	0.000410318	0.000143862	7.777E-05	0.108961307	1.99896E-06	6.93402E-05	0.00066268	0.001570369	0
2108 Feb	0.000987364	0.143994153	9.99597E-06	1.447979927	2.737165689	0.050449293	0.000294864	5.131381035	0.001310122	0.010482548	0.000410387	0.000143882	7.77811E-05	0.108982071	1.99919E-06	6.93495E-05	0.000662815	0.001570549	0
2108 Mar	0.000988555	0.144170076	1.00078E-05	1.449738383	2.740528584	0.050512508	0.000295214	5.137628555	0.001311704	0.010495055	0.000410886	0.000144055	7.78745E-05	0.109115727	2.00156E-06	6.94324E-05	0.000663632	0.001572411	0
2108 Apr	0.000998006	0.14555867	1.01026E-05	1.463653922	2.767009497	0.051006164	0.000298009	5.187013626	0.001324253	0.010594781	0.000414831	0.000145427	7.86171E-05	0.110169016	2.02052E-06	7.00929E-05	0.000670059	0.001587298	0
2108 May	0.001019553	0.148911282	1.03057E-05	1.49640274	2.832080126	0.052315727	0.000303786	5.303917408	0.001353233	0.010813529	0.000424915	0.000148627	8.03647E-05	0.112739556	2.06115E-06	7.1545E-05	0.000686355	0.001619757	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 Jun	0.000982386	0.144887716	1.01177E-05	1.450952768	2.734257936	0.050921157	0.000280878	5.103342056	0.001323446	0.010545289	0.00041439	0.000155085	7.82448E-05	0.108828172	2.02353E-06	6.90498E-05	0.000684464	0.00163692	0
2108 Jul	0.001026147	0.151128545	1.06554E-05	1.514298558	2.842097998	0.052742127	0.000291691	5.314118385	0.001385958	0.011070516	0.000428835	0.000164746	8.15531E-05	0.113167465	2.13108E-06	7.22678E-05	0.000715311	0.001733224	0
2108 Aug	0.001082499	0.159039736	1.12575E-05	1.596173167	2.990842104	0.05533243	0.000309251	5.602151871	0.001461113	0.011678975	0.000449518	0.00017285	8.59077E-05	0.119145863	2.2515E-06	7.62569E-05	0.000749873	0.001826228	0
2108 Sep	0.001087974	0.159102857	1.13244E-05	1.600989461	2.993654966	0.055045526	0.000315109	5.622595787	0.001465162	0.011746801	0.000446247	0.000171799	8.59424E-05	0.119322143	2.26488E-06	7.68487E-05	0.000746214	0.001829033	0
2108 Oct	0.001043824	0.150213733	1.08503E-05	1.520362735	2.828856945	0.050867155	0.000316492	5.355799675	0.00138974	0.011308967	0.000409593	0.000158296	8.06245E-05	0.112842582	2.17005E-06	7.45481E-05	0.000692839	0.001728013	0
2108 Nov	0.001040245	0.149218783	1.08102E-05	1.512061357	2.810612679	0.050309073	0.000318203	5.329817772	0.001381826	0.011277867	0.00040453	0.000156464	7.99869E-05	0.112132654	2.16204E-06	7.44539E-05	0.000685907	0.001716802	0
2108 Dec	0.001040738	0.149282694	1.08153E-05	1.512733817	2.811823845	0.050327506	0.000318393	5.332234859	0.001382436	0.011283315	0.00040467	0.00015652	8.00197E-05	0.112181216	2.16305E-06	7.44914E-05	0.000686168	0.00171754	0
2109 Jan	0.001040858	0.149300754	1.08162E-05	1.512910128	2.812193394	0.050334804	0.000318434	5.332894802	0.001382582	0.011284453	0.000404706	0.00015653	8.00267E-05	0.112195715	2.16324E-06	7.44997E-05	0.00068625	0.001717665	0
2109 Feb	0.001041134	0.149344653	1.08187E-05	1.513334513	2.813057184	0.050352693	0.000318507	5.334421635	0.001382952	0.01128718	0.000404822	0.00015657	8.00473E-05	0.112229727	2.16374E-06	7.4518E-05	0.000686466	0.001718057	0
2109 Mar	0.001042497	0.149542555	1.08326E-05	1.515328646	2.816805124	0.050421104	0.000318918	5.341467857	0.001384764	0.011301814	0.000405357	0.000156774	8.01518E-05	0.112379	2.16653E-06	7.46148E-05	0.000687384	0.001720272	0
2109 Apr	0.001049163	0.150501132	1.09017E-05	1.52503109	2.834881067	0.050745964	0.000320951	5.375685215	0.001393621	0.011373943	0.000407953	0.000157775	8.06639E-05	0.11309991	2.18034E-06	7.50912E-05	0.000691798	0.001731238	0
2109 May	0.001063265	0.154791147	1.09181E-05	1.558105111	2.927205801	0.05358427	0.000317241	5.496861935	0.0014184	0.011437516	0.000433792	0.000161709	8.32136E-05	0.116576016	2.18362E-06	7.54715E-05	0.000721754	0.001744095	0
2109 Jun	0.001077213	0.16054295	1.08895E-05	1.599395156	3.050213099	0.057699081	0.000307135	5.64348793	0.001449386	0.011468573	0.000471824	0.00016846	8.67096E-05	0.121158496	2.17789E-06	7.55014E-05	0.000766665	0.001762614	0
2109 Jul	0.001095517	0.162507951	1.11339E-05	1.618944407	3.074839115	0.057792727	0.000310832	5.70954752	0.001470871	0.0116816	0.000472858	0.00017089	8.75945E-05	0.122190103	2.22678E-06	7.66358E-05	0.000769438	0.001796796	0
2109 Aug	0.001119639	0.165030524	1.14207E-05	1.645045996	3.111433744	0.058011096	0.000317428	5.804038525	0.001497162	0.011935391	0.000474955	0.000172304	8.881E-05	0.123719193	2.28415E-06	7.8083E-05	0.000770936	0.001829371	0
2109 Sep	0.001104875	0.161460951	1.12838E-05	1.61636281	3.046423197	0.056153942	0.000321314	5.70985651	0.001470457	0.011799868	0.000458052	0.000166552	8.67845E-05	0.121231265	2.25677E-06	7.74862E-05	0.00074729	0.001793448	0
2109 Oct	0.001054485	0.151277423	1.07631E-05	1.52493298	2.856864929	0.051321685	0.000323053	5.404586792	0.001385722	0.011313299	0.00041538	0.000151764	8.07252E-05	0.113797702	2.15261E-06	7.493E-05	0.00068691	0.001683721	0
2109 Nov	0.001054198	0.150938869	1.07595E-05	1.522649765	2.850748777	0.051068209	0.000324694	5.398383617	0.001383481	0.011315656	0.00041297	0.000150965	8.04817E-05	0.113565862	2.1519E-06	7.50127E-05	0.00068395	0.001680317	0
2109 Dec	0.001054821	0.151021942	1.07658E-05	1.523511171	2.852323771	0.051093485	0.000324921	5.401475906	0.00138426	0.011322452	0.000413167	0.000151038	8.05247E-05	0.113628842	2.15317E-06	7.50591E-05	0.000684297	0.001681249	0
2110 Jan	0.001055103	0.151063159	1.07684E-05	1.523921371	2.853127956	0.051108509	0.000325012	5.402962208	0.00138462	0.011325344	0.000413268	0.000151072	8.05443E-05	0.113660671	2.15369E-06	7.50789E-05	0.000684484	0.001681639	0
2110 Feb	0.001055465	0.151118904	1.07718E-05	1.524465919	2.854213715	0.051130146	0.000325113	5.404919147	0.001385099	0.011328999	0.000413417	0.000151123	8.05714E-05	0.113703534	2.15436E-06	7.51034E-05	0.00068475	0.001682162	0
2110 Mar	0.001056446	0.151261494	1.07816E-05	1.525894523	2.856924772	0.051179901	0.00032541	5.40999794	0.001386389	0.011339401	0.000413806	0.000151262	8.06459E-05	0.113811314	2.15633E-06	7.51725E-05	0.000685404	0.001683696	0
2110 Apr	0.001060519	0.151845858	1.08231E-05	1.531783819	2.867971897	0.051378492	0.000326661	5.430886745	0.001391735	0.011383044	0.000415403	0.000151845	8.09567E-05	0.114251278	2.16462E-06	7.54619E-05	0.000688056	0.00169017	0
2110 May	0.001073615	0.154457167	1.09181E-05	1.554918885	2.920834303	0.052707039	0.000328067	5.513774872	0.001411157	0.011496734	0.000427067	0.000154435	8.24407E-05	0.116294131	2.18362E-06	7.61983E-05	0.000703406	0.001708695	0
2110 Jun	0.001023268	0.152146682	1.02904E-05	1.511159062	2.885988712	0.054455735	0.000291408	5.341976643	0.00136849	0.010871976	0.000446774	0.000157637	8.17881E-05	0.114549868	2.05809E-06	7.15668E-05	0.000721647	0.001656514	0
2110 Jul	0.001046129	0.155060157	1.06087E-05	1.540816784	2.928850651	0.054970946	0.000296113	5.436986923	0.001400322	0.011162074	0.000450841	0.000162918	8.32419E-05	0.116309181	2.12174E-06	7.32038E-05	0.000733546	0.001712033	0
2110 Aug	0.00099144	0.14388442	1.01911E-05	1.44333303	2.704305887	0.049404442	0.000287534	5.098181725	0.001316074	0.010580975	0.000403769	0.000147452	7.74846E-05	0.107746154	2.03823E-06	6.92042E-05	0.00065506	0.001606239	0
2110 Sep	0.000951413	0.135289207	9.81147E-06	1.371982574	2.548303127	0.045250472	0.000292416	4.859788895	0.001249721	0.010197162	0.000366229	0.000134546	7.27174E-05	0.101744637	1.96229E-06	6.72883E-05	0.000601764	0.001518391	0
2110 Oct	0.000920072	0.128003329	9.47559E-06	1.308785439	2.414055824	0.041486524	0.000299611	4.654523373	0.001190383	0.009915033	0.000332264	0.000122856	6.81647E-05	0.096489489	1.89512E-06	6.60989E-05	0.000555983	0.001439644	0
2110 Nov	0.000912298	0.12633197	9.39289E-06	1.293974161	2.383171797	0.040662047	0.000300588	4.605778217	0.001176537	0.009842472	0.000324891	0.000120305	6.7139E-05	0.095277376	1.87858E-06	6.57546E-05	0.000545874	0.001421491	0
2110 Dec	0.000912725	0.126382232	9.39724E-06	1.29452312	2.384129524	0.040673979	0.000300781	4.607790947	0.00117703	0.009847242	0.000324975	0.000120338	6.71637E-05	0.095316008	1.87945E-06	6.57885E-05	0.000546048	0.001422066	0
2111 Jan	0.000912866	0.126403421	9.39835E-06	1.294730186	2.3845644	0.040682543	0.000300831	4.608568192	0.001177202	0.00984858	0.000325016	0.00012035	6.71718E-05	0.095333055	1.87967E-06	6.57983E-05	0.000546144	0.001422211	0
2111 Feb	0.000912983	0.126425311	9.3991E-06	1.294928074	2.385020494	0.040693521	0.000300854	4.609303474	0.001177361	0.009849541	0.000325071	0.000120364	6.718E-05	0.09535072	1.87982E-06	6.5805E-05	0.00054626	0.001422327	0
2111 Mar	0.000914656	0.12665993	9.41607E-06	1.29731679	2.389470339	0.040771205	0.000301396	4.617823601	0.001179521	0.009867412	0.000325674	0.000120584	6.73028E-05	0.095528312	1.88321E-06	6.59245E-05	0.000547286	0.001424895	0
2111 Apr	0.000921126	0.127557695	9.48254E-06	1.306503892	2.406420946	0.041061435	0.000303523	4.650535583	0.001187867	0.009937118	0.000327982	0.000121437	6.77788E-05	0.096205778	1.89651E-06	6.63904E-05	0.000551172	0.001434954	0
2111 May	0.000941504	0.132093161	9.60814E-06	1.345193267	2.499546289	0.043564707	0.000303948	4.789188862	0.001219662	0.010098695	0.000350226	0.000126036	7.03935E-05	0.099777661	1.92163E-06	6.74161E-05	0.000579563	0.001463105	0
2111 Jun	0.00094014	0.137635976	9.3935E-06	1.376469612	2.621027231	0.048594512	0.000280381	4.890990734	0.001241155	0.009942632	0.000397568	0.000135454	7.40017E-05	0.104165047	1.8787E-06	6.59791E-05	0.00063593	0.001473657	0
2111 Jul	0.000989421	0.144655228	9.93509E-06	1.447023392	2.748253822	0.050817356	0.000293979	5.135631084	0.001307515	0.010491789	0.000415629	0.000143803	7.77243E-05	0.109250568	1.98702E-06	6.94754E-05	0.000668058	0.00156251	0
2111 Aug	0.000968178	0.139607131	9.81811E-06	1.406313539	2.64494276	0.048035577	0.000292419	4.993293285	0.001273553	0.010272326	0.000391709	0.000136557	7.52378E-05	0.10538853	1.96362E-06	6.79147E-05	0.000628804	0.001521062	0
2111 Sep	0.000959404	0.136855945	9.78803E-06	1.390516877	2.59773469	0.046501514	0.000298306	4.940061092	0.001259158	0.010196421	0.000376982	0.000131933	7.40921E-05	0.103721321	1.95761E-06	6.76525E-05	0.000607758	0.001500715	0
2111 Oct	0.000932675	0.131305948	9.51165E-06	1.340561152	2.493702173	0.043790206	0.0003001	4.773454189	0.001213067	0.009948337	0.000352868	0.000123985	7.06867E-05	0.099631242	1.90233E-06	6.64001E-05	0.000575002	0.001442586	0
2111 Nov	0.000917917	0.128044203	9.35864E-06	1.311704993	2.432664633	0.042132266	0.00030224	4.678174973	0.001186367	0.009815463	0.000338006	0.000119111	6.86541E-05	0.097236581	1.87173E-06	6.57805E-05	0.000555117	0.001408637	0
2111 Dec	0.000918292	0.128060818	9.36238E-06	1.312010169	2.433007479	0.042120405	0.00030257	4.679490089	0.001186625	0.009820208	0.000337865	0.000119071	6.86546E-05	0.097251639	1.87248E-06	6.58203E-05	0.000555019	0.001408877	0
2112 Jan	0.000918434	0.128082469	9.36344E-06	1.312220216	2.433456898	0.042129416	0.000302621	4.680284023	0.001186796	0.009821527	0.000337905	0.000119082	6.86625E-05	0.097269207	1.87269E-06	6.58301E-05	0.000555117	0.001409011	0
2112 Feb	0.000918753	0.128133506	9.36616E-06	1.312711954	2.434475183	0.042150717	0.000302707	4.682073593	0.001187217	0.009824586	0.000338037	0.000119122	6.86857E-05	0.097309232	1.87323E-06	6.5851E-05	0.000555364	0.001409424	0
2112 Mar	0.000920729	0.12841253	9.38602E-06	1.315553665	2.439803123	0.042244963	0.000303348	4.692228317	0.001189774	0.009845518	0.000338771	0.000119378	6.8833E-05	0.097521827	1.8772E-06	6.59914E-05	0.000556588	0.001412413	0
2112 Apr	0.000926359	0.129199743	9.44325E-06	1.323608875	2.454774618	0.042505316	0.000305197	4.720970631	0.001197052	0.009905612	0.000340847	0.000120108	6.92537E-05	0.098120056	1.88865E-06	6.63943E-05	0.000560007	0.001421026	0
2112 May	0.000947324	0.134647816	9.53585E-06	1.367714882	2.568292379	0.045795254	0.000302641	4.879024029	0.001232299	0.01004737	0.000370462	0.000125825	7.24345E-05	0.102431566	1.90717E-06	6.72527E-05	0.000596717	0.001449096	0
2112 Jun	0.000889208	0.132417053	8.81738E-06	1.318401933	2.532832384	0.048071362	0.000257411	4.680428028	0.001185367	0.009337777	0.000395558	0.000131463	7.1789E-05	0.100556031	1.76348E-06	6.18639E-05	0.000623346	0.001398125	0
2112 Jul	0.00089723	0.133143932	9.03641E-06	1.326962829	2.529913902	0.047673583	0.000257022	4.692717075	0.001200685	0.009507032	0.000391776	0.000136584	7.20575E-05	0.100519024	1.80728E-06	6.26056E-05	0.000627454	0.00144584	0
2112 Aug	0.000930088	0.137418956	9.39738E-06	1.374110103	2.611825466	0.048954181	0.000269127	4.860016346	0.001243681	0.009858875	0.000401599	0.000140249	7.45315E-05	0.103866383	1.87948E-06	6.49637E-05	0.000643501	0.001496594	0
2112 Sep	0.000930367	0.136446595	9.43102E-06	1.371331096	2.595912695	0.048198689	0.000274899	4.85311079	0.001241045	0.0098746	0.000394031	0.000137919	7.41313E-05	0.103353336	1.8862E-06	6.52364E-05	0.000633336	0.001491265	0
2112 Oct	0.000924096	0.13468273	9.36687E-06	1.356658697	2.562876463	0.047184724	0.000277828	4.806313038	0.001227393	0.009824406	0.000384775	0.000134899	7.29904E-05	0.102070004	1.87337E-06	6.50866E-05	0.000621202	0.001473268	0
2112 Nov	0.000924819	0.134623289	9.37408E-06	1.356660128	2.561847925	0.047087099	0.000278979	4.807323456	0.001227321	0.00983529	0.000383787	0.000134596	7.29224E-05	0.102035314	1.87482E-06	6.51942E-05	0.000620153	0.001472869	0
2112 Dec	0.000925385	0.134699658	9.37981E-06	1.357451797	2.563304901	0.047110993	0.000279184	4.810165882	0.001228035	0.009841426	0.000383975	0.000134664	7.29624E-05	0.102093585	1.87596E-06	6.52362E-05	0.000620476	0.001473714	0
2113 Jan	0.00092547	0.134712651	9.38044E-06	1.357577801	2.563575029	0.047116406	0.000279215	4.810642719	0.001228137	0.009842217	0.000383998	0.00013467	7.29671E-05	0.10210415	1.87609E-06	6.5242E-05	0.000620535	0.001473793	0
2113 Feb	0.000925742	0.134755686	9.38287E-06	1.357994676	2.564422846	0.047133926	0.000279287	4.812144279	0.0012285	0.009844888	0.000384117	0.000134708	7.29878E-05	0.102137536	1.87657E-06	6.526E-05	0.000620746	0.001474174	0
2113 Mar	0.000928744	0.135194734	9.41314E-06	1.362410069	2.572793961	0.04728885	0.000280188	4.827804089	0.001232486	0.009876707	0.000385366	0.000135144	7.32242E-05	0.102470756	1.88263E-06	6.5471E-05	0.000622775	0.001478928	0
2113 Apr	0.000934338	0.136010155	9.46973E-06	1.37062192	2.588320732	0.047574844	0.000281872	4.856911659	0.00123991	0.00993613	0.000387689	0.000135957	7.3665E-05	0.103089042	1.89395E-06	6.5865E-05	0.000626535	0.001487821	0
2113 May	0.000954176	0.140563667	9.58103E-06	1.408896089	2.682357311	0.050146144	0.000281818	4.99474144	0.001270982	0.010086786	0.000410623	0.000140461	7.62862E-05	0.106684498	1.91621E-06	6.68223E-05	0.000655365	0.001513841	0
2113 Jun	0.000945637	0.14326328	9.3549E-06	1.41841352	2.743485689	0.053182293	0.000263036	5.022256851	0.001275159	0.009901948	0.000439768	0.000145951	7.80851E-05	0.108794287	1.87098E-06	6.5306E-05	0.00068912	0.001509408	0
2113 Jul	0.000979998	0.147855744	9.74854E-06	1.464064479	2.821146011	0.054389898	0.000271487	5.180580139	0.00131945	0.010282384	0.000449892	0.000151193	8.04457E-05	0.11191833	1.94971E-06	6.76011E-05	0.000706461	0.001569874	0
2113 Aug	0.001007369	0.15124172	1.00546E-05	1.500287533	2.881537437	0.055230755	0.000280407	5.309834003	0.00135337	0.010572325	0.000456612	0.000153854	8.23032E-05	0.114390329	2.01092E-06	6.94419E-05	0.00071649	0.001610365	0
2113 Sep	0.000995354	0.147932798	9.96299E-06	1.475554824	2.820860147	0.05338411	0.00028548	5.228295803	0.001330792	0.0104713	0.000439517	0.000148512	8.04718E-05	0.112106398	1.9926E-06	6.90547E-05	0.000693243	0.001580985	0
2113 Oct	0.00095158	0.138426974	9.52995E-06	1.391601205	2.641154051	0.048575006	0.00028978	4.948106766	0.001253994	0.010072045	0.00039658	0.000134771	7.46723E-05	0.105081379	1.90599E-06	6.70519E-05	0.00063495	0.001485063	0
2113 Nov	0.000945718	0.136563092	9.47296E-06	1.37660408	2.606127501	0.047446173	0.000293676	4.900685787	0.001240111	0.010030644	0.00038618	0.00013151	7.34504E-05	0.103728011	1.89459E-06	6.69874E-05	0.000621666	0.001467019	0
2113 Dec	0.000946334	0.136641636	9.47916E-06	1.37743485	2.607631922	0.047468517	0.000293926	4.903704643	0.001240855	0.010037395	0.00038635	0.000131571	7.34904E-05	0.103788316	1.89583E-06	6.70346E-05	0.000621975	0.001467883	0
2114 Jan	0.000946518	0.136669129	9.48069E-06	1.377705097	2.608187199	0.047479328	0.000293989	4.904706478	0.001241083	0.010039186	0.000386409	0.000131589	7.3502E-05	0.103810154	1.89614E-06	6.70474E-05	0.0006221	0.001468095	0
2114 Feb	0.000946666	0.136695489	9.48174E-06	1.377947569	2.608729839	0.047491957	0.000294021	4.905601025	0.001241282	0.010040461	0.000386478	0.000131607	7.35126E-05	0.103831246	1.89635E-06	6.70562E-05	0.000622237	0.001468258	0
2114 Mar	0.000948285	0.136931971	9.49771E-06	1.380318522	2.613264084	0.047576007	0.000294516	4.914058685	0.001243408	0.010057469	0.000387144	0.000131832	7.36379E-05	0.104011446	1.89954E-06	6.717E-05	0.000623323	0.001470732	0
2114 Apr	0.000952351	0.137520745	9.53831E-06	1.386246324	2.624513149	0.047781661	0.000295774	4.935172558	0.001248741	0.010100507	0.000388807	0.000132396	7.39534E-05	0.10445901	1.90766E-06	6.74575E-05	0.000626009	0.001477018	0
2114 May	0.000963363	0.141532391	9.52895E-06	1.415902019	2.71090126	0.050582979	0.000290139	5.042207718	0.001270822	0.010133837	0.000414461	0.000136596	7.63719E-05	0.10769172	1.90579E-06	6.75945E-05	0.00065596	0.001488694	0
2114 Jun	0.000984935	0.148036897	9.62986E-06	1.466653347	2.843311548	0.054654088	0.000282792	5.216748714	0.001312892	0.010280297	0.000451384	0.000145399	8.02188E-05	0.112696245	1.92597E-06	6.83123E-05	0.000703848	0.001530535	0
2114 Jul	0.001039564	0.155898482	1.02055E-05	1.544761539	2.987428188	0.05724198	0.000297588	5.491046429	0.001385219	0.010869198	0.000472782	0.000153848	8.43978E-05	0.118438855	2.0411E-06	7.20756E-05	0.000738896	0.0016219	0
2114 Aug	0.001099772	0.164526463	1.08169E-05	1.632280946	3.151365042	0.060207516	0.000315878	5.802484035	0.001464283	0.011501115	0.000497027	0.000161943	8.91135E-05	0.124987505	2.16337E-06	7.62482E-05	0.000776687	0.00171451	0
2114 Sep	0.001076251	0.158999428	1.06341E-05	1.588886619	3.048664331	0.057331849	0.000320134	5.655072212	0.001425275	0.01128913	0.000470792	0.000153974	8.61439E-05	0.12109834	2.12682E-06	7.51818E-05	0.000740302	0.001666178	0
2114 Oct	0.001047395	0.15276812	1.03572E-05	1.533798099	2.929849148	0.054166134	0.000322399	5.46985817	0.001375345	0.01102847	0.000442573	0.000145265	8.23562E-05	0.116458125	2.07144E-06	7.38381E-05	0.000702224	0.001605398	0
2114 Nov	0.001022291	0.147513613	1.01156E-05	1.486929178	2.829620838	0.051549897	0.000323451	5.311569691	0.001332899	0.010798144	0.000419344	0.000138075	7.91861E-05	0.112539187	2.02312E-06	7.26123E-05	0.00067064	0.001553884	0
2114 Dec	0.001021871	0.147383988	1.01117E-05	1.485880375	2.827158451	0.051471636	0.000323698	5.308208942	0.00133194	0.010795178	0.000418625	0.000137858	7.91018E-05	0.112444095	2.02234E-06	7.2606E-05	0.000669726	0.00155268	0
2115 Jan	0.001022106	0.147419065	1.01137E-05	1.486225247	2.827866554	0.051485382	0.000323778	5.309486866	0.001332232	0.010797469	0.000418702	0.000137881	7.91167E-05	0.112471946	2.02273E-06	7.26223E-05	0.000669885	0.001552952	0
2115 Feb	0.001022411	0.147469252	1.01162E-05	1.486702681	2.828875303	0.051507119	0.000323857	5.311228275	0.001332637	0.01080034	0.000418837	0.00013792	7.91393E-05	0.112511463	2.02324E-06	7.2642E-05	0.000670135	0.001553338	0
2115 Mar	0.001023332	0.147605389	1.0125E-05	1.488059521	2.831511974	0.051556975	0.000324139	5.316095352	0.00133384	0.01080987	0.00041922	0.000138044	7.921E-05	0.112615995	2.025E-06	7.27063E-05	0.000670766	0.001554694	0
2115 Apr	0.001029337	0.148473635	1.01843E-05	1.496803761	2.848181963	0.051861562	0.000326036	5.347344875	0.001341671	0.010873204	0.000421684	0.000138853	7.96746E-05	0.113278821	2.03685E-06	7.31323E-05	0.000674718	0.001563794	0

Appendix D.2-3: B6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 May	0.001039527	0.152392372	1.01718E-05	1.525435805	2.932164669	0.054627791	0.000319772	5.449852943	0.001363117	0.010899306	0.000447088	0.000143163	8.20531E-05	0.116418242	2.03436E-06	7.31957E-05	0.000704387	0.001575726	0
2115 Jun	0.001078758	0.160669148	1.04577E-05	1.597351313	3.098383665	0.058955777	0.000321552	5.70407486	0.001424087	0.011238816	0.000485323	0.000152331	8.67843E-05	0.122822605	2.09153E-06	7.53076E-05	0.000755354	0.001637234	0
2115 Jul	0.001129562	0.167698681	1.09848E-05	1.667072654	3.225674152	0.06112748	0.000335659	5.952425003	0.001488453	0.011774693	0.000503467	0.000158878	9.04579E-05	0.127901956	2.19696E-06	7.87178E-05	0.000783238	0.001714846	0
2115 Aug	0.00109684	0.16098547	1.07674E-05	1.610304117	3.090359926	0.057740096	0.000330853	5.750504971	0.001440611	0.011446771	0.000474299	0.000150657	8.70841E-05	0.122776516	2.15348E-06	7.64362E-05	0.000737543	0.001660597	0
2115 Sep	0.001090471	0.158777803	1.07663E-05	1.598700047	3.051796436	0.056447651	0.000335894	5.710140705	0.001430571	0.011397151	0.000461816	0.000147132	8.62234E-05	0.12143907	2.15326E-06	7.6274E-05	0.000720033	0.001647627	0
2115 Oct	0.00108568	0.157416701	1.0722E-05	1.587423563	3.025810719	0.055647291	0.00033809	5.673489094	0.001420333	0.011362332	0.000454491	0.000144983	8.53381E-05	0.120431192	2.14439E-06	7.61738E-05	0.000710827	0.001635217	0
2115 Nov	0.001072159	0.154440999	1.0593E-05	1.561147571	2.968882799	0.054109097	0.000339499	5.585138798	0.001396596	0.011244172	0.000440727	0.000140878	8.35003E-05	0.118205585	2.1186E-06	7.55846E-05	0.000692729	0.001606941	0
2115 Dec	0.001072053	0.154350877	1.05923E-05	1.560513258	2.967170477	0.054041468	0.000339879	5.583280563	0.001396012	0.011244775	0.000440087	0.000140695	8.3435E-05	0.118140385	2.11846E-06	7.56035E-05	0.000691979	0.001606198	0
2116 Jan	0.001072293	0.154386893	1.05943E-05	1.560867071	2.967900276	0.054055713	0.000339962	5.584595203	0.001396309	0.0112471	0.000440164	0.000140717	8.345E-05	0.118169092	2.11885E-06	7.56202E-05	0.000692142	0.001606468	0
2116 Feb	0.001072868	0.154476538	1.05994E-05	1.561740756	2.969674349	0.054091793	0.000340124	5.587760448	0.001397065	0.011252739	0.000440411	0.000140791	8.34935E-05	0.118239023	2.11988E-06	7.56585E-05	0.00069257	0.001607244	0
2116 Mar	0.001073905	0.154629678	1.06093E-05	1.563271403	2.972646236	0.054147966	0.000340442	5.593257904	0.001398421	0.011263411	0.000440843	0.000140926	8.35736E-05	0.118356973	2.12186E-06	7.57304E-05	0.000693271	0.001608752	0
2116 Apr	0.001079777	0.155477285	1.06672E-05	1.571830392	2.988955975	0.054446205	0.000342297	5.623893261	0.001406069	0.011324881	0.000443257	0.000141697	8.40302E-05	0.119006127	2.13343E-06	7.61438E-05	0.000697079	0.001617523	0
2116 May	0.001093691	0.159441382	1.07152E-05	1.603003263	3.071809769	0.056938529	0.000339143	5.735168934	0.001430743	0.0114095	0.000465821	0.000146032	8.6358E-05	0.122137658	2.14304E-06	7.66245E-05	0.000724826	0.001636549	0
2116 Jun	0.001024895	0.154544368	9.92745E-06	1.531319976	2.981925488	0.057675581	0.000294836	5.459167957	0.001364972	0.010611251	0.000477155	0.000148197	8.4139E-05	0.118181407	1.98549E-06	7.07042E-05	0.00073281	0.001565657	0
2116 Jul	0.001073475	0.161644161	1.04809E-05	1.602587223	3.109650135	0.059967715	0.000307331	5.702016354	0.001432943	0.011166958	0.000495754	0.000157765	8.79436E-05	0.123288088	2.09617E-06	7.41955E-05	0.000767633	0.001661813	0
2116 Aug	0.001120365	0.168194771	1.09661E-05	1.671377659	3.236191273	0.062186096	0.000323022	5.946947098	0.00149483	0.01165963	0.000513495	0.000163614	9.16418E-05	0.128383458	2.19322E-06	7.75007E-05	0.000795412	0.00173323	0
2116 Sep	0.001086172	0.160818368	1.06698E-05	1.608840704	3.096349239	0.058468886	0.000325328	5.7336483	0.001438751	0.011347257	0.000480168	0.000153612	8.74458E-05	0.122993313	2.13396E-06	7.58184E-05	0.000749613	0.001665853	0
2116 Oct	0.001050592	0.152633578	1.03355E-05	1.537478447	2.939325094	0.05412424	0.000330536	5.495016575	0.001374349	0.011039764	0.000441214	0.000141922	8.23788E-05	0.116872802	2.0671E-06	7.43275E-05	0.000698084	0.001588354	0
2116 Nov	0.001050467	0.152178094	1.03366E-05	1.534497619	2.930639505	0.053753536	0.000332876	5.486744881	0.001371595	0.011048081	0.000437679	0.000140907	8.20387E-05	0.116545297	2.06732E-06	7.44675E-05	0.000693956	0.001584727	0
2116 Dec	0.001050644	0.152196527	1.03384E-05	1.53471005	2.930995941	0.053756617	0.000332971	5.487543583	0.001371784	0.011050099	0.000437695	0.000140914	8.20471E-05	0.116559781	2.06767E-06	7.44825E-05	0.000694007	0.001584937	0
2117 Jan	0.001050723	0.15220879	1.03389E-05	1.534827471	2.931255817	0.053761937	0.000333	5.487995148	0.001371876	0.011050804	0.000437714	0.000140919	8.20509E-05	0.116569884	2.06778E-06	7.44879E-05	0.000694062	0.001584997	0
2117 Feb	0.001050814	0.152226254	1.03394E-05	1.534983397	2.931623697	0.053771034	0.000333016	5.488577843	0.001372	0.011051511	0.000437759	0.00014093	8.20573E-05	0.116584092	2.06788E-06	7.44929E-05	0.000694157	0.00158508	0
2117 Mar	0.001052077	0.15241152	1.03516E-05	1.536840439	2.935208797	0.05383807	0.000333409	5.495231628	0.001373651	0.011064654	0.000438288	0.000141099	8.21554E-05	0.116726428	2.07033E-06	7.45816E-05	0.00069501	0.001586955	0
2117 Apr	0.001059542	0.153494403	1.0425E-05	1.547753215	2.956073284	0.054221507	0.000335771	5.534260273	0.0013834	0.011143093	0.000441401	0.0001421	8.27382E-05	0.117556028	2.085E-06	7.51104E-05	0.000699953	0.001598199	0
2117 May	0.001076802	0.157618701	1.05207E-05	1.582002044	3.040871143	0.056589976	0.000334843	5.656655312	0.001411344	0.011271577	0.000462608	0.000146422	8.51289E-05	0.120793737	2.10415E-06	7.58955E-05	0.00072663	0.00162228	0
2117 Jun	0.001086821	0.162323445	1.05204E-05	1.614972115	3.136992931	0.059927113	0.000323869	5.766693592	0.001438158	0.011303023	0.00049345	0.000153737	8.79846E-05	0.12436761	2.10407E-06	7.58081E-05	0.000765623	0.001648497	0
2117 Jul	0.001138833	0.169655651	1.1063E-05	1.687926054	3.271009684	0.062272593	0.00033834	6.024912357	0.001505492	0.011857422	0.000512904	0.000161042	9.18561E-05	0.129712641	2.2126E-06	7.93564E-05	0.000796552	0.001731331	0
2117 Aug	0.001166014	0.172988087	1.13657E-05	1.724805951	3.332696199	0.063129932	0.000348243	6.156882763	0.001539512	0.012145564	0.000519496	0.000163493	9.37475E-05	0.132249519	2.27314E-06	8.12464E-05	0.000806647	0.001770854	0
2117 Sep	0.001173651	0.173359662	1.14577E-05	1.732616067	3.340777636	0.062931426	0.000354637	6.187423229	0.001546502	0.012239431	0.000516917	0.000162905	9.393E-05	0.132634461	2.29154E-06	8.20001E-05	0.000804537	0.001778196	0
2117 Oct	0.001151969	0.16863732	1.12558E-05	1.690962911	3.25002265	0.06050073	0.00035633	6.046663284	0.001509073	0.012047532	0.000495234	0.000156479	9.10533E-05	0.129093692	2.25116E-06	8.10041E-05	0.000775661	0.001733855	0
2117 Nov	0.001146041	0.167339727	1.12006E-05	1.67953372	3.225085974	0.059830748	0.000356829	6.008066654	0.001498801	0.011995215	0.000489254	0.000154708	9.02619E-05	0.128120989	2.24012E-06	8.0734E-05	0.000767706	0.001721682	0
2117 Dec	0.001146204	0.167336345	1.12024E-05	1.67960012	3.225025654	0.059816599	0.000357027	6.008448124	0.001498856	0.011997531	0.000489106	0.000154669	9.02543E-05	0.128119707	2.24048E-06	8.07547E-05	0.000767565	0.001721722	0
2118 Jan	0.001146385	0.167363718	1.12038E-05	1.679867268	3.225586653	0.059827697	0.000357089	6.009448528	0.001499078	0.011999251	0.000489162	0.000154684	9.02651E-05	0.128141701	2.24076E-06	8.07672E-05	0.000767689	0.001721911	0
2118 Feb	0.001146637	0.16740647	1.12058E-05	1.680268645	3.226454735	0.059847035	0.00035715	6.010919571	0.001499413	0.012001541	0.000489278	0.000154717	9.02838E-05	0.128175616	2.24115E-06	8.07829E-05	0.000767906	0.001722212	0
2118 Mar	0.001147353	0.167514324	1.12125E-05	1.681336045	3.228557825	0.059887808	0.000357364	6.014757156	0.001500354	0.012008849	0.000489588	0.000154813	9.03395E-05	0.128258839	2.2425E-06	8.08323E-05	0.000768413	0.001723247	0
2118 Apr	0.001153936	0.168686092	1.12592E-05	1.69212389	3.252693892	0.060448669	0.000358805	6.054584503	0.001509199	0.012065669	0.000492695	0.000155647	9.08176E-05	0.129197165	2.25185E-06	8.12266E-05	0.00077452	0.001730458	0
2118 May	0.001151205	0.172236145	1.10406E-05	1.710196376	3.335684538	0.06395971	0.000342853	6.120870113	0.00151817	0.011900713	0.000523062	0.000159693	9.28547E-05	0.132167369	2.20811E-06	7.99592E-05	0.000809508	0.001718055	0
2118 Jun	0.001091763	0.167720422	1.03489E-05	1.646817327	3.254344463	0.064429715	0.000305972	5.881549358	0.001459049	0.011194782	0.000532174	0.000159937	9.09136E-05	0.128629997	2.06979E-06	7.47899E-05	0.000811813	0.001647877	0
2118 Jul	0.001158511	0.177703351	1.10241E-05	1.745245218	3.442127466	0.068000406	0.000323945	6.228721142	0.00154859	0.011901707	0.00056161	0.000170441	9.62677E-05	0.136080056	2.20481E-06	7.93825E-05	0.000858945	0.001756981	0
2118 Aug	0.001151465	0.175031528	1.10441E-05	1.729452729	3.389382839	0.066275284	0.000328012	6.172656536	0.001536313	0.011846279	0.000545855	0.000166335	9.515E-05	0.134217829	2.20882E-06	7.90477E-05	0.000835399	0.001743375	0
2118 Sep	0.001090829	0.162576437	1.05336E-05	1.622404337	3.150867462	0.060141724	0.000327909	5.802023411	0.001441497	0.011288376	0.000491625	0.000150698	8.82108E-05	0.125017345	2.10671E-06	7.58484E-05	0.00076029	0.001633969	0
2118 Oct	0.00105025	0.153872773	1.01636E-05	1.54506731	2.982093573	0.055668488	0.000329841	5.538788319	0.001372585	0.010930697	0.000452149	0.000139301	8.29426E-05	0.118429393	2.03271E-06	7.39277E-05	0.000707555	0.001554441	0
2118 Nov	0.001042536	0.152091831	1.00942E-05	1.52955699	2.947556496	0.054711796	0.00033088	5.48649025	0.001358757	0.010865655	0.000443637	0.000136859	8.18466E-05	0.117084838	2.01885E-06	7.36053E-05	0.000696367	0.001538431	0
2118 Dec	0.00104303	0.152152851	1.00991E-05	1.530211568	2.948738337	0.054728359	0.000331097	5.488894463	0.001359338	0.010871073	0.000443759	0.000136899	8.18771E-05	0.117132261	2.01982E-06	7.36441E-05	0.000696595	0.001539082	0
2119 Jan	0.001043252	0.152185902	1.0101E-05	1.530537486	2.949404478	0.054741293	0.000331171	5.490098476	0.001359614	0.010873241	0.000443835	0.000136921	8.18917E-05	0.117158487	2.0202E-06	7.36594E-05	0.000696746	0.001539343	0
2119 Feb	0.001043595	0.152241006	1.01039E-05	1.531068325	2.950506687	0.05476439	0.000331266	5.492030621	0.001360068	0.010876547	0.000443989	0.000136966	8.19177E-05	0.11720179	2.02078E-06	7.36821E-05	0.000697015	0.001539791	0
2119 Mar	0.0010458	0.15256533	1.0125E-05	1.534317493	2.956811428	0.054882858	0.000331957	5.503700256	0.001362945	0.010899371	0.000444931	0.000137254	8.20903E-05	0.117451966	2.02501E-06	7.38368E-05	0.00069851	0.001543011	0
2119 Apr	0.001062018	0.155800045	1.02111E-05	1.562779069	3.025546551	0.056623623	0.000334502	5.610603333	0.001385127	0.011019369	0.000453078	0.000139219	8.32016E-05	0.120098166	2.04222E-06	7.46933E-05	0.000716363	0.001556349	0
2119 May	0.001076378	0.16523321	9.89779E-06	1.623932123	3.243784428	0.064442247	0.000313075	5.847674847	0.001421264	0.010850655	0.000496894	0.0001455	8.6115E-05	0.128117353	1.97956E-06	7.35059E-05	0.000790478	0.00153263	0
2119 Jun	0.001059534	0.16388166	9.77797E-06	1.605757236	3.211057663	0.064281747	0.00030078	5.767757893	0.001408454	0.010699767	0.000499221	0.000148337	8.57392E-05	0.126765698	1.95559E-06	7.21637E-05	0.000792912	0.001534821	0
2119 Jul	0.001115283	0.172254369	1.03628E-05	1.688649774	3.367095947	0.067239553	0.000315465	6.056508541	0.001484904	0.011306228	0.000522056	0.00015809	9.00963E-05	0.132965043	2.07256E-06	7.60693E-05	0.000833837	0.001633198	0
2119 Aug	0.001138247	0.174539402	1.06497E-05	1.720137358	3.412282467	0.067601167	0.000327253	6.169017792	0.001513907	0.011555997	0.000523621	0.000159046	9.16429E-05	0.134936661	2.12995E-06	7.78022E-05	0.000837	0.001665901	0
2119 Sep	0.001105643	0.167427078	1.04188E-05	1.66252768	3.275627851	0.063951522	0.000328713	5.966772079	0.001463994	0.011267243	0.000493019	0.000150354	8.80901E-05	0.129746541	2.08377E-06	7.61366E-05	0.000792224	0.001611164	0
2119 Oct	0.001077752	0.16136685	1.0178E-05	1.608807921	3.156436205	0.060769372	0.000329886	5.782331467	0.001416852	0.011029369	0.000466706	0.000142796	8.45909E-05	0.125101283	2.03561E-06	7.48344E-05	0.000755409	0.001559429	0
2119 Nov	0.00106619	0.158880517	1.00779E-05	1.586705208	3.1075418	0.059472337	0.00033024	5.706352234	0.001397453	0.010930112	0.000455993	0.000139716	8.31584E-05	0.123194985	2.01558E-06	7.42859E-05	0.000740385	0.00153814	0
2119 Dec	0.001066702	0.158947796	1.00829E-05	1.587409377	3.108854294	0.059493173	0.000330445	5.708926201	0.001398075	0.010935592	0.000456144	0.000139764	8.3192E-05	0.1232474	2.01657E-06	7.43246E-05	0.000740658	0.001538824	0

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	38	0.0207	0.0066	0.00090	7.4	0.020	2.7	9.0E-04	9.0E-04	4.5E-06	6.4E-03	9.0E-04	8.4E-03	1.3E-02	4.5E-06	1.1E+01	1.5E-05	1.9E-04	1.2E-04
Operations (2020-2043): Mean	54	0.052	0.0103	0.0010	12	0.030	4.3	1.0E-03	1.0E-03	5.2E-06	7.5E-03	1.2E-03	1.0E-02	2.1E-02	5.2E-06	1.8E+01	1.9E-05	2.6E-04	2.4E-04
Operations (2020-2043): Max	91	0.09	0.02	0.0013	22	0.039	7.4	1.3E-03	1.3E-03	6.6E-06	9.2E-03	1.9E-03	1.3E-02	4.2E-02	6.6E-06	3.4E+01	2.4E-05	4.6E-04	6.6E-04
Active Closure (2044-2050): Min	46	0.036	0.0086	0.00094	9.6	0.027	3.4	9.4E-04	9.4E-04	4.7E-06	6.8E-03	1.1E-03	9.6E-03	1.7E-02	4.7E-06	1.4E+01	1.7E-05	2.3E-04	1.7E-04
Active Closure (2044-2050): Mean	52	0.045	0.010	0.0011	11	0.031	4.0	1.1E-03	1.1E-03	5.6E-06	8.1E-03	1.2E-03	1.2E-02	1.9E-02	5.6E-06	1.6E+01	2.0E-05	2.6E-04	2.0E-04
Active Closure (2044-2050): Max	61	0.065	0.011	0.0013	13	0.038	4.9	1.3E-03	1.3E-03	6.7E-06	9.6E-03	1.4E-03	1.4E-02	2.2E-02	6.7E-06	1.9E+01	2.4E-05	3.0E-04	2.4E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Post Closure (2051-2119): Min	45	0.036	0.0083	0.00092	9.3	0.026	3.3	9.2E-04	9.2E-04	4.6E-06	6.4E-03	1.0E-03	9.1E-03	1.6E-02	4.6E-06	1.4E+01	1.6E-05	2.2E-04	1.7E-04
Post Closure (2051-2119): Mean	68	0.062	0.014	0.0011	15	0.032	5.4	1.1E-03	1.1E-03	5.7E-06	8.1E-03	1.5E-03	1.1E-02	2.8E-02	5.7E-06	2.3E+01	2.1E-05	3.3E-04	3.5E-04
Post Closure (2051-2119): Max	88	0.083	0.018	0.0014	20	0.040	7.1	1.4E-03	1.4E-03	7.1E-06	1.0E-02	1.9E-03	1.4E-02	3.6E-02	7.1E-06	3.0E+01	2.6E-05	4.2E-04	4.7E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	89.98578644	0.069016881	0.022754507	0.001	21.22939873	0.02	7.251502514	0.001	0.001	5E-06	0.006674779	0.001832777	0.008449557	0.04185877	5E-06	33.63183212	2.12996E-05	0.000450072	0.000650157
2020 Feb	90.00099182	0.069033429	0.022758923	0.001	21.23371124	0.02	7.25297451	0.001	0.001	5E-06	0.006674561	0.001833048	0.008449122	0.041867368	5E-06	33.63852692	2.12993E-05	0.000450142	0.000650312
2020 Mar	90.02019501	0.069050759	0.022764083	0.001000123	21.23862648	0.020002462	7.254653454	0.001000123	0.001000123	5.00062E-06	0.006675266	0.001833419	0.00844993	0.04187711	5.00062E-06	33.64624023	2.13017E-05	0.000450234	0.000650474
2020 Apr	90.14517975	0.069148071	0.022795858	0.001001462	21.26832771	0.02002923	7.264798641	0.001001462	0.001001462	5.00731E-06	0.006684136	0.001835953	0.008461109	0.041935697	5.00731E-06	33.69325256	2.13301E-05	0.000450858	0.00065139
2020 May	91.26846313	0.070010081	0.023079956	0.001013928	21.5334034	0.020278566	7.355342388	0.001013928	0.001013928	5.06964E-06	0.006767327	0.001858828	0.008566406	0.042458367	5.06964E-06	34.11317825	2.15952E-05	0.000456475	0.00065951
2020 Jun	80.85708618	0.05900427	0.020093815	0.001002809	18.62929344	0.020056192	6.363668442	0.001002809	0.001002809	5.01405E-06	0.0068276	0.001670556	0.008741434	0.036674172	5.01405E-06	29.59614182	2.15636E-05	0.000408088	0.000556839
2020 Jul	78.3180542	0.055717688	0.01927519	0.001021307	17.86399078	0.020703197	6.109149456	0.001021307	0.001021307	5.10654E-06	0.006971982	0.001633534	0.008981848	0.035130963	5.10654E-06	28.3987999	2.17949E-05	0.000395743	0.000526598
2020 Aug	79.90930176	0.056784958	0.019591495	0.001051766	18.2332592	0.021718403	6.241830826	0.001051766	0.001051766	5.25883E-06	0.007147813	0.001672429	0.009270054	0.035792846	5.25883E-06	28.94599533	2.21309E-05	0.000402782	0.000534319
2020 Sep	77.18294525	0.05870289	0.018487381	0.00103786	17.69102859	0.022955226	6.090967655	0.00103786	0.00103786	5.1893E-06	0.007116638	0.001619321	0.009353017	0.03422194	5.1893E-06	27.80379295	2.12976E-05	0.000385887	0.000502873
2020 Oct	74.10153961	0.062218241	0.017173732	0.001021335	17.08751488	0.024410054	5.936013222	0.001021335	0.001021335	5.10667E-06	0.007134029	0.00155772	0.009413971	0.032422248	5.10667E-06	26.49482536	2.05193E-05	0.000366075	0.000466663
2020 Nov	73.19869995	0.063271731	0.016786529	0.001016593	16.91109848	0.024845826	5.890965462	0.001016593	0.001016593	5.08297E-06	0.007140334	0.001539683	0.009433572	0.031893209	5.08297E-06	26.11050415	2.02916E-05	0.000360252	0.000455989
2020 Dec	73.17648315	0.06330438	0.01677634	0.001016505	16.90687561	0.024859272	5.889958382	0.001016505	0.001016505	5.08253E-06	0.007140835	0.001539243	0.009434553	0.031879693	5.08253E-06	26.10081863	2.02861E-05	0.000360104	0.000455708
2021 Jan	73.17959595	0.063316129	0.016776625	0.001016506	16.90801239	0.024861582	5.890413284	0.001016506	0.001016506	5.08253E-06	0.007140941	0.001539295	0.009434676	0.031881168	5.08253E-06	26.10211372	2.02855E-05	0.000360112	0.000455727
2021 Feb	73.19429779	0.06332919	0.016780579	0.001016602	16.91176224	0.024863448	5.891691685	0.001016602	0.001016602	5.08301E-06	0.007141494	0.001539579	0.00943531	0.031888615	5.08301E-06	26.10800934	2.02874E-05	0.000360183	0.000455851
2021 Mar	73.21932983	0.06335105	0.016786641	0.001016891	16.91774178	0.024870247	5.893760204	0.001016891	0.001016891	5.08445E-06	0.007143456	0.001540092	0.00943785	0.031900093	5.08445E-06	26.11729622	2.02931E-05	0.000360306	0.000456025
2021 Apr	73.26189423	0.063387983	0.016796581	0.001017448	16.92768288	0.024883732	5.897215843	0.001017448	0.001017448	5.08724E-06	0.007147335	0.001540979	0.009442944	0.031918962	5.08724E-06	26.1326828	2.03043E-05	0.000360515	0.0004563
2021 May	73.93830872	0.06394808	0.016957767	0.00102612	17.08525467	0.025083084	5.951695919	0.00102612	0.00102612	5.1306E-06	0.007207246	0.001555033	0.009521037	0.032221325	5.1306E-06	26.37839317	2.0481E-05	0.000363864	0.000460772
2021 Jun	68.88018799	0.05649928	0.015696742	0.00101682	15.60390186	0.024128707	5.426436424	0.00101682	0.00101682	5.0841E-06	0.007189451	0.00146224	0.009508356	0.029502356	5.0841E-06	24.21266937	2.06751E-05	0.000342435	0.000415247
2021 Jul	67.7904129	0.054137353	0.015331003	0.001037419	15.23218536	0.024735486	5.304132938	0.001037419	0.001037419	5.1871E-06	0.007307949	0.00145326	0.0096996	0.028800566	5.1871E-06	23.65623665	2.08889E-05	0.00033686	0.000400213
2021 Aug	68.06658936	0.05412817	0.0152916	0.001055326	15.30855846	0.025715748	5.3398633	0.001055326	0.001055326	5.27663E-06	0.007372464	0.00146822	0.009880847	0.028861105	5.27663E-06	23.71934128	2.07587E-05	0.000336627	0.000397856
2021 Sep	65.82985687	0.056218721	0.014383475	0.001036896	14.90424442	0.026684659	5.230668068	0.001036896	0.001036896	5.18448E-06	0.007296302	0.001422237	0.009898718	0.027610717	5.18448E-06	22.81790161	1.98822E-05	0.000322462	0.00037314
2021 Oct	64.61066437	0.058955643	0.013779149	0.001028412	14.70693207	0.02752305	5.193105221	0.001028412	0.001028412	5.14206E-06	0.007316869	0.001396249	0.009933108	0.026867632	5.14206E-06	22.29627037	1.94905E-05	0.000313735	0.000357478
2021 Nov	64.68315887	0.059192438	0.013779347	0.00103005	14.72698879	0.02761412	5.201611042	0.00103005	0.00103005	5.15025E-06	0.007332111	0.001397832	0.009954087	0.026887314	5.15025E-06	22.31681442	1.95113E-05	0.000313963	0.000357484
2021 Dec	64.70455933	0.059227571	0.013782513	0.001030435	14.73218441	0.02762874	5.203575611	0.001030435	0.001030435	5.15217E-06	0.007335178	0.001398296	0.009958276	0.026895253	5.15217E-06	22.3237896	1.95177E-05	0.000314056	0.000357566
2022 Jan	64.70955658	0.059237219	0.013783492	0.001030465	14.73361969	0.027630677	5.204105377	0.001030465	0.001030465	5.15233E-06	0.007335445	0.001398388	0.009958592	0.026897632	5.15233E-06	22.32575989	1.9518E-05	0.000314076	0.000357602
2022 Feb	64.71598053	0.05924283	0.013785383	0.00103048	14.7353344	0.027630627	5.20468235	0.00103048	0.00103048	5.1524E-06	0.007335471	0.001398506	0.009958554	0.026901141	5.1524E-06	22.32849503	1.95184E-05	0.000314107	0.000357664
2022 Mar	64.73255157	0.059257854	0.013789198	0.001030697	14.73924637	0.027636183	5.206048489	0.001030697	0.001030697	5.15348E-06	0.007336968	0.001398853	0.009960545	0.026908493	5.15348E-06	22.33449745	1.95225E-05	0.000314188	0.000357771
2022 Apr	65.02922821	0.059529353	0.013852557	0.001035393	14.80687618	0.027761972	5.229927063	0.001035393	0.001035393	5.17697E-06	0.007370375	0.001405257	0.010005875	0.027032077	5.17697E-06	22.43701935	1.96115E-05	0.000315628	0.000359419
2022 May	65.705513	0.060148355	0.013996691	0.00104615	14.96089363	0.028050318	5.284323215	0.00104615	0.00104615	5.23075E-06	0.007446937	0.001419869	0.010109803	0.027313313	5.23075E-06	22.67042351	1.98152E-05	0.00031891	0.00036316
2022 Jun	61.12339783	0.052756913	0.012934315	0.001033842	13.59562683	0.026761515	4.792771339	0.001033842	0.001033842	5.16921E-06	0.007405981	0.001333895	0.010038163	0.024893999	5.16921E-06	20.72622681	2.00829E-05	0.000300404	0.000324109
2022 Jul	52.42023849	0.040178873	0.01087706	0.000985099	11.26401806	0.025078448	3.97938633	0.000985099	0.000985099	4.9255E-06	0.006985531	0.001180032	0.009507882	0.020724621	4.9255E-06	17.29903221	1.89532E-05	0.000258881	0.000256875
2022 Aug	53.26115799	0.040628165	0.01096112	0.001011409	11.47541714	0.026318971	4.062508583	0.001011409	0.001011409	5.05704E-06	0.007101778	0.001207512	0.009770198	0.021031417	5.05704E-06	17.56492043	1.89365E-05	0.000261286	0.000257832
2022 Sep	52.68039703	0.04315301	0.010572793	0.001004465	11.45633221	0.027206032	4.075461864	0.001004465	0.001004465	5.02233E-06	0.007079327	0.001193583	0.009851386	0.020637453	5.02233E-06	17.32814407	1.83861E-05	0.000256146	0.000248277
2022 Oct	52.21960068	0.046015188	0.010239523	0.000996873	11.44285297	0.027821794	4.094297886	0.000996873	0.000996873	4.98437E-06	0.0070924	0.001180973	0.0098614	0.020328069	4.98437E-06	17.1352253	1.80956E-05	0.000251688	0.000241028
2022 Nov	52.33360672	0.046205837	0.010255176	0.000999083	11.47025013	0.027906302	4.104753494	0.000999083	0.000999083	4.99541E-06	0.007109972	0.001183491	0.009885607	0.020368861	4.99541E-06	17.17148399	1.81315E-05	0.000252176	0.000241413
2022 Dec	52.35052872	0.046237294	0.010257263	0.000999412	11.47440052	0.027919678	4.106358528	0.000999412	0.000999412	4.99706E-06	0.007112653	0.001183862	0.009889293	0.02037479	4.99706E-06	17.17682648	1.81367E-05	0.000252246	0.000241465
2023 Jan	52.35622787	0.046247952	0.01025849	0.000999433	11.4760561	0.027921276	4.106960773	0.000999433	0.000999433	4.99716E-06	0.007112856	0.001183964	0.009889495	0.020377625	4.99716E-06	17.17914391	1.81369E-05	0.00025227	0.00024151
2023 Feb	52.36342621	0.046254352	0.010260612	0.000999449	11.47797966	0.027921163	4.107607365	0.000999449	0.000999449	4.99724E-06	0.007112882	0.001184095	0.009889441	0.020381566	4.99724E-06	17.18221474	1.81373E-05	0.000252305	0.00024158
2023 Mar	52.37001419	0.046260197	0.010262292	0.000999508	11.47961426	0.02792252	4.108169556	0.000999508	0.000999508	4.99754E-06	0.007113258	0.001184226	0.009889916	0.020384749	4.99754E-06	17.18476486	1.81385E-05	0.000252337	0.00024163
2023 Apr	52.50541306	0.046379808	0.010289044	0.001002054	11.50940037	0.02799348	4.118816376	0.001002054	0.001002054	5.01027E-06	0.007131353	0.001187278	0.009915045	0.020437805	5.01027E-06	17.22941208	1.81847E-05	0.00025299	0.00024226
2023 May	53.55681992	0.047158707	0.010568393	0.001011849	11.76141357	0.028153507	4.204053402	0.001011849	0.001011849	5.05924E-06	0.00719473	0.00120816	0.009991269	0.020944882	5.05924E-06	17.63317871	1.84069E-05	0.000258292	0.000250482
2023 Jun	54.56266022	0.044723921	0.011273583	0.000993475	11.92118168	0.026012015	4.216996193	0.000993475	0.000993475	4.96738E-06	0.007055372	0.001216864	0.00967712	0.021727672	4.96738E-06	18.16130447	1.88423E-05	0.000267718	0.000271581
2023 Jul	52.63669968	0.041143194	0.010802395	0.000995662	11.34533024	0.025852868	4.016026974	0.000995662	0.000995662	4.97831E-06	0.007047726	0.001187454	0.009671607	0.020726241	4.97831E-06	17.33941078	1.88588E-05	0.000258858	0.000254185
2023 Aug	53.4308815	0.041445568	0.010897974	0.001020397	11.5358057	0.026938096	4.092042923	0.001020397	0.001020397	5.10199E-06	0.007159387	0.00121385	0.009891437	0.021034203	5.10199E-06	17.59342384	1.88958E-05	0.000261126	0.000255693
2023 Sep	53.50909042	0.042635303	0.010777618	0.001025476	11.61244011	0.027701758	4.125059605	0.001025476	0.001025476	5.12738E-06	0.007180742	0.001216148	0.010048506	0.020969212	5.12738E-06	17.59712029	1.86291E-05	0.000260462	0.000252019
2023 Oct	53.37895584	0.04440397	0.010613496	0.001023532	11.63412762	0.028118268	4.14637661	0.001023532	0.001023532	5.11766E-06	0.007206181	0.001211861	0.010077723	0.020844743	5.11766E-06	17.53089333	1.85112E-05	0.00025856	0.000248523
2023 Nov	53.50629807	0.044777032	0.010619142	0.001026052	11.66900635	0.028254384	4.160741329	0.001026052	0.001026052	5.13026E-06	0.007229493	0.001214563	0.010109421	0.020883989	5.13026E-06	17.56937408	1.8545E-05	0.000258996	0.000248704
2023 Dec	53.52104568	0.044810399	0.010620519	0.001026341	11.6727829	0.028267605	4.162240028	0.001026341	0.001026341	5.1317E-06	0.007231967	0.001214883	0.01011281	0.020888917	5.1317E-06	17.57395172	1.85493E-05	0.000259053	0.00024874
2024 Jan	53.52651215	0.0448226	0.010621687	0.001026339	11.67448521	0.028268876	4.162864685	0.001026339	0.001026339	5.13169E-06	0.007232031	0.001214973	0.010112791	0.020891774	5.13169E-06	17.57628632	1.85491E-05	0.000259075	0.000248787
2024 Feb	53.53401566	0.044829462	0.010623975	0.00102634	11.67653656	0.028268302	4.163552284	0.00102634	0.00102634	5.1317E-06	0.007231948	0.001215105	0.010112565	0.020896012	5.1317E-06	17.57957077	1.85493E-05	0.000259111	0.000248865
2024 Mar	53.57714462	0.044865869	0.010632929	0.001027096	11.6861496	0.028288824	4.166957855	0.001027096	0.001027096	5.13548E-06	0.007237229	0.001216065	0.010119896	0.020913497	5.13548E-06	17.5941391	1.8563E-05	0.00025932	0.000249087
2024 Apr	53.6578331	0.044933591	0.010649144	0.001028607	11.70385456	0.028330293	4.173259735	0.001028607	0.001028607	5.14304E-06	0.007247854	0.001217887	0.010134726	0.020945322	5.14304E-06	17.62084198	1.85904E-05	0.000259711	0.000249473
2024 May	55.08081055	0.045944247	0.011071289	0.001035192	12.05994701	0.02829635	4.291147232	0.001035192	0.001035192	5.17596E-06	0.007283649	0.0012442	0.010159549	0.02169295	5.17596E-06	18.20462418	1.88001E-05	0.000267013	0.000262704
2024 Jun	57.09706879	0.046341293	0.011978004	0.00100837	12.60475731	0.026533548	4.449559212	0.00100837	0.00100837	5.04185E-06	0.007068791	0.00126985	0.009753897	0.023093514	5.04185E-06	19.22851944	1.87862E-05	0.00027914	0.000294104
2024 Jul	59.47480011	0.047851328	0.012453602	0.001058868	13.10241508	0.027879497	4.627465725	0.001058868	0.001058868	5.29434E-06	0.007410655	0.00132667	0.010229794	0.024012977	5.29434E-06	19.99428177	1.96682E-05	0.000290598	0.000304599
2024 Aug	61.0622673	0.050006244	0.012444129	0.00111008	13.58400822	0.031036729	4.802275658	0.00111008	0.00111008	5.5504E-06	0.007623221	0.001371889	0.011049476	0.024363559	5.5504E-06	20.44808388	1.91907E-05	0.000295799	0.00029958
2024 Sep	55.64267349	0.061441991	0.009790382	0.001052059	12.89415264	0.035182387	4.669639587	0.001052059	0.001052059	5.26029E-06	0.007388387	0.001250771	0.011297753	0.021141037	5.26029E-06	18.28198051	1.59555E-05	0.00025728	0.000231082
2024 Oct	55.13124466	0.069421656	0.009093002	0.001047598	12.95279217	0.036793802	4.756681442	0.001047598	0.001047598	5.23799E-06	0.007582068	0.001233454	0.011388659	0.020610455	5.23799E-06	17.9794445	1.58626E-05	0.000249404	0.000216448
2024 Nov	54.97549057	0.072263338	0.008851364	0.001046491	12.97918224	0.037377734	4.789449215	0.001046491	0.001046491	5.23245E-06	0.007653652	0.001227899	0.011425724	0.020432673	5.23245E-06	17.88083076	1.58368E-05	0.00024674	0.000211388
2024 Dec	55.0305748	0.072391436	0.008856275	0.001047573	12.9933424	0.03742779	4.795094967	0.001047573	0.001047573	5.23787E-06	0.007663026	0.001229091	0.011438442	0.020450953	5.23787E-06	17.89787102	1.58531E-05	0.000246951	0.000211518
2025 Jan	55.04524994	0.072414339	0.008860117	0.001047583	12.99749088	0.037428387	4.796567917	0.001047583	0.001047583	5.23792E-06	0.007663224	0.001229343	0.011438128	0.02045889	5.23792E-06	17.90411949	1.58539E-05	0.000247017	0.000211658
2025 Feb	55.07619858	0.072441727	0.008868399	0.001047795	13.00534916	0.037432574	4.799250126	0.001047795	0.001047795	5.23898E-06	0.007664471	0.001229943	0.011439577	0.020474473	5.23898E-06	17.91647339	1.58582E-05	0.000247167	0.000211916
2025 Mar	55.10950089	0.072478265	0.008875562	0.001048224	13.01351357	0.037446022	4.802144527	0.001048224	0.001048224	5.24112E-06	0.007667436	0.001230638	0.011443778	0.02048908	5.24112E-06	17.92855453	1.58653E-05	0.000247323	0.00021212
2025 Apr	55.23059464	0.072633386	0.00889609	0.00105041	13.0422802	0.037523065	4.812691689	0.00105041	0.00105041	5.25205E-06	0.007683333	0.001233314	0.011467377	0.02053537	5.25205E-06	17.96866035	1.58987E-05	0.00024787	0.00021263

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 May	57.19622421	0.075216241	0.009213167	0.001087743	13.50650692	0.038856108	4.983963013	0.001087743	0.001087743	5.43872E-06	0.007956371	0.001277194	0.011874819	0.021266768	5.43872E-06	18.60846138	1.64639E-05	0.000256693	0.000220216
2025 Jun	52.35272598	0.060985234	0.008697179	0.001063681	11.81254768	0.034656066	4.325165272	0.001063681	0.001063681	5.3184E-06	0.007809134	0.00118326	0.011417292	0.019022176	5.3184E-06	16.63378334	1.76644E-05	0.000243371	0.000193582
2025 Jul	47.15162659	0.046755109	0.008061082	0.001030475	10.13007545	0.030880921	3.684981585	0.001030475	0.001030475	5.15237E-06	0.007514332	0.001089217	0.010799073	0.016773975	5.15237E-06	14.61999989	1.81178E-05	0.000225324	0.00016629
2025 Aug	49.56201553	0.048539028	0.008438946	0.001090236	10.67235279	0.033043228	3.888730764	0.001090236	0.001090236	5.45118E-06	0.00787071	0.00115368	0.011380761	0.017671904	5.45118E-06	15.3834753	1.87216E-05	0.000235189	0.000173754
2025 Sep	49.7458725	0.050063442	0.00836881	0.001091857	10.77787685	0.033606749	3.933716536	0.001091857	0.001091857	5.45928E-06	0.00788556	0.001156579	0.011466714	0.017701626	5.45928E-06	15.44706059	1.85174E-05	0.000234972	0.000172492
2025 Oct	48.95452881	0.052349739	0.008054366	0.001068375	10.70396042	0.033601537	3.926682234	0.001068375	0.001068375	5.34187E-06	0.007780447	0.001134264	0.011278029	0.017370757	5.34187E-06	15.20327663	1.80203E-05	0.000229152	0.000167371
2025 Nov	48.71214294	0.053327475	0.007941734	0.001060632	10.69009876	0.033647586	3.929527044	0.001060632	0.001060632	5.30316E-06	0.007750082	0.001127077	0.011219672	0.017264979	5.30316E-06	15.12878132	1.78498E-05	0.000227181	0.000165588
2025 Dec	48.74214935	0.053380381	0.007945446	0.001061245	10.69731712	0.033671755	3.932308912	0.001061245	0.001061245	5.30623E-06	0.007754988	0.001127746	0.011226541	0.017275296	5.30623E-06	15.13811302	1.78595E-05	0.000227308	0.000165674
2026 Jan	48.75290298	0.053396564	0.007947885	0.001061314	10.70023918	0.033674635	3.933356047	0.001061314	0.001061314	5.30657E-06	0.007755527	0.001127948	0.01122713	0.017280528	5.30657E-06	15.1423645	1.78607E-05	0.000227355	0.000165757
2026 Feb	48.76418686	0.053406022	0.007951175	0.001061353	10.70319366	0.033674721	3.934350252	0.001061353	0.001061353	5.30676E-06	0.007755673	0.001128157	0.011227182	0.017286597	5.30676E-06	15.14709854	1.78616E-05	0.000227411	0.000165864
2026 Mar	48.81452179	0.05345957	0.007960173	0.001062335	10.71450329	0.033705279	3.938457012	0.001062335	0.001062335	5.31168E-06	0.007762779	0.001129293	0.011237383	0.017305568	5.31168E-06	15.16340446	1.78783E-05	0.000227647	0.000166072
2026 Apr	49.02185822	0.053685732	0.007994436	0.001066783	10.76016235	0.033846047	3.955211401	0.001066783	0.001066783	5.33392E-06	0.007795237	0.001134074	0.01128432	0.017379718	5.33392E-06	15.22819424	1.79533E-05	0.000228615	0.000166799
2026 May	50.10300064	0.054711904	0.008213989	0.001085179	11.00539684	0.034367014	4.042401314	0.001085179	0.001085179	5.42589E-06	0.007926273	0.001157752	0.01146752	0.017816324	5.42589E-06	15.59445095	1.82865E-05	0.000233819	0.000172319
2026 Jun	50.16794205	0.048293307	0.00910832	0.001029156	10.89160061	0.029991962	3.93097949	0.001029156	0.001029156	5.14578E-06	0.007478471	0.001141769	0.01060681	0.018546123	5.14578E-06	15.95042801	1.84867E-05	0.000241242	0.000200789
2026 Jul	51.49596405	0.048129048	0.009355146	0.001073042	11.10072899	0.031029791	4.006705284	0.001073042	0.001073042	5.36521E-06	0.007766197	0.001179678	0.011002835	0.018973373	5.36521E-06	16.30603027	1.92666E-05	0.000247899	0.000203706
2026 Aug	52.76832581	0.048302334	0.009513265	0.001114552	11.40670395	0.032872017	4.131199837	0.001114552	0.001114552	5.57276E-06	0.00793545	0.001225008	0.011339374	0.019496925	5.57276E-06	16.72217178	1.92603E-05	0.000251025	0.000206374
2026 Sep	53.66808701	0.050610822	0.009565017	0.001132287	11.65805721	0.033865187	4.230755806	0.001132287	0.001132287	5.66143E-06	0.008078624	0.001244469	0.01158061	0.019778786	5.66143E-06	17.00171089	1.94043E-05	0.00025424	0.000207677
2026 Oct	51.52482224	0.054153055	0.00882812	0.001080349	11.35715294	0.033616945	4.158073425	0.001080349	0.001080349	5.40174E-06	0.007826127	0.00118833	0.011172421	0.018848361	5.40174E-06	16.29835129	1.83294E-05	0.000240456	0.000193531
2026 Nov	51.87058258	0.05462613	0.008880366	0.001087466	11.43661213	0.033864301	4.187874794	0.001087466	0.001087466	5.43733E-06	0.007880027	0.001196178	0.011248465	0.018972075	5.43733E-06	16.40724182	1.84465E-05	0.000241998	0.000194715
2026 Dec	51.91431427	0.054698512	0.008886173	0.001088351	11.44703388	0.033898078	4.191861153	0.001088351	0.001088351	5.44176E-06	0.007887003	0.001197156	0.011258205	0.018987404	5.44176E-06	16.42095947	1.84606E-05	0.000242185	0.000194851
2027 Jan	51.92805481	0.054719664	0.008889252	0.001088439	11.45077801	0.033901863	4.193205357	0.001088439	0.001088439	5.44219E-06	0.007887701	0.001197413	0.011258985	0.018994058	5.44219E-06	16.42638206	1.84621E-05	0.000242246	0.000194955
2027 Feb	51.94210815	0.054731425	0.008893414	0.001088476	11.4544878	0.033901606	4.194448948	0.001088476	0.001088476	5.44238E-06	0.0078878	0.00119767	0.011258933	0.019001713	5.44238E-06	16.43233871	1.84631E-05	0.000242315	0.000195092
2027 Mar	52.02028656	0.054812137	0.00890776	0.001089973	11.47206116	0.033947475	4.2008214	0.001089973	0.001089973	5.44987E-06	0.00789856	0.001199436	0.011274184	0.019031685	5.44987E-06	16.45789719	1.84887E-05	0.000242681	0.000195431
2027 Apr	52.58304596	0.055404145	0.009004678	0.001101684	11.59635925	0.034311756	4.246300697	0.001101684	0.001101684	5.50842E-06	0.007983367	0.001212391	0.011395176	0.01923836	5.50842E-06	16.63641548	1.86874E-05	0.000245308	0.000197571
2027 May	54.75634766	0.057507508	0.009430039	0.001140802	12.08569813	0.035449486	4.421703339	0.001140802	0.001140802	5.70401E-06	0.008262693	0.001260747	0.011786076	0.020098247	5.70401E-06	17.36141968	1.9382E-05	0.000255665	0.000207998
2027 Jun	46.41429138	0.039048612	0.008413961	0.001035854	9.588386536	0.028272411	3.451296091	0.001035854	0.001035854	5.17927E-06	0.007561085	0.001078226	0.010555193	0.016562155	5.17927E-06	14.28400421	1.95236E-05	0.000228369	0.000170199
2027 Jul	46.88728714	0.035481814	0.008574999	0.001087392	9.421024323	0.028576674	3.377909422	0.001087392	0.001087392	5.43696E-06	0.007919748	0.001101301	0.010999995	0.016486138	5.43696E-06	14.21506119	2.09045E-05	0.000233901	0.000165957
2027 Aug	50.24887085	0.038124621	0.00912033	0.001167353	10.16310024	0.03129372	3.647324085	0.001167353	0.001167353	5.83677E-06	0.008428697	0.001184904	0.01185382	0.017678304	5.83677E-06	15.26111412	2.18926E-05	0.00024915	0.00017613
2027 Sep	49.84741974	0.042179119	0.008751146	0.001146568	10.29467869	0.032260951	3.718044996	0.001146568	0.001146568	5.73284E-06	0.008297716	0.001170641	0.011824001	0.017471666	5.73284E-06	15.18121815	2.08587E-05	0.000243565	0.000170238
2027 Oct	49.0849762	0.047104925	0.008298234	0.001114963	10.33428574	0.032727741	3.768126011	0.001114963	0.001114963	5.57482E-06	0.008170559	0.00114553	0.011605632	0.017147826	5.57482E-06	14.97661495	2.0027E-05	0.000235851	0.00016406
2027 Nov	49.34132385	0.048967402	0.008248995	0.001116705	10.44543934	0.033177286	3.818837881	0.001116705	0.001116705	5.58352E-06	0.008213161	0.001149422	0.01165536	0.017220959	5.58352E-06	15.06284046	1.99829E-05	0.000235926	0.00016388
2027 Dec	49.38707733	0.049098633	0.008251729	0.001117523	10.45816135	0.033222843	3.824026823	0.001117523	0.001117523	5.58762E-06	0.008220772	0.001150377	0.011665589	0.017236054	5.58762E-06	15.07723331	1.99935E-05	0.000236083	0.000163977
2028 Jan	49.40646362	0.049134564	0.008256677	0.001117467	10.46415615	0.033224121	3.826168537	0.001117467	0.001117467	5.58734E-06	0.008220436	0.001150693	0.011664689	0.017246986	5.58734E-06	15.08590221	1.9992E-05	0.000236164	0.00016417
2028 Feb	49.44329071	0.049167022	0.00826672	0.001117689	10.47359085	0.033228096	3.829380035	0.001117689	0.001117689	5.58845E-06	0.008221676	0.0011514	0.011666051	0.017265826	5.58845E-06	15.10078335	1.99965E-05	0.000236343	0.000164487
2028 Mar	49.47993088	0.049201213	0.008274949	0.001118187	10.48223782	0.033241477	3.83241272	0.001118187	0.001118187	5.59094E-06	0.008225127	0.001152172	0.011670733	0.017281856	5.59094E-06	15.11394119	2.00057E-05	0.00023652	0.000164715
2028 Apr	49.83493805	0.049552958	0.008335498	0.001126025	10.55794144	0.033473685	3.860018253	0.001126025	0.001126025	5.63012E-06	0.008282661	0.001160393	0.011752249	0.017407663	5.63012E-06	15.22348309	2.01461E-05	0.000238218	0.000165955
2028 May	51.40172195	0.051109359	0.00859837	0.001161309	10.89015961	0.0345218	3.981427193	0.001161309	0.001161309	5.80655E-06	0.008542122	0.001196845	0.012120303	0.017956117	5.80655E-06	15.70280075	2.07776E-05	0.000245708	0.000171212
2028 Jun	43.63396072	0.034095127	0.007694371	0.001051783	8.63019371	0.027720509	3.103332996	0.001051783	0.001051783	5.25892E-06	0.007768238	0.001026935	0.010812671	0.014814593	5.25892E-06	12.92920208	2.04936E-05	0.000219175	0.000139668
2028 Jul	43.8586731	0.030350426	0.007858533	0.001088546	8.445838928	0.027639985	3.022162914	0.001088546	0.001088546	5.44273E-06	0.008006373	0.001042686	0.011086368	0.014748177	5.44273E-06	12.84403801	2.15559E-05	0.000223213	0.000137381
2028 Aug	49.46314621	0.034317624	0.008826017	0.001227593	9.570946693	0.031551525	3.427284956	0.001227593	0.001227593	6.13797E-06	0.008982975	0.001178718	0.012522058	0.01665579	6.13797E-06	14.51085758	2.39702E-05	0.0002507	0.00015433
2028 Sep	50.21599579	0.040693577	0.008639175	0.001225465	9.968093872	0.033071965	3.605185509	0.001225465	0.001225465	6.12732E-06	0.009042894	0.001188655	0.012631898	0.016908702	6.12732E-06	14.80839539	2.34807E-05	0.00024992	0.000154183
2028 Oct	47.0722847	0.055444662	0.007176808	0.001088762	10.03990746	0.033764876	3.737778187	0.001088762	0.001088762	5.44381E-06	0.008306826	0.001090127	0.011549312	0.015850203	5.44381E-06	14.08487797	1.98492E-05	0.000221083	0.000138002
2028 Nov	47.55753708	0.058482468	0.007119411	0.001091434	10.24261284	0.034506913	3.827390671	0.001091434	0.001091434	5.45717E-06	0.008368228	0.001097927	0.011626771	0.016013604	5.45717E-06	14.25909328	1.97456E-05	0.000221481	0.000138493
2028 Dec	47.61426926	0.058594137	0.007125671	0.001092591	10.25651741	0.034554776	3.832824469	0.001092591	0.001092591	5.46295E-06	0.0083778	0.001099178	0.011639934	0.016032707	5.46295E-06	14.27659702	1.97639E-05	0.000221713	0.000138643
2029 Jan	47.63237381	0.058621898	0.007130613	0.001092549	10.26196671	0.034555227	3.834733725	0.001092549	0.001092549	5.46275E-06	0.008377404	0.001099483	0.011639109	0.016043033	5.46275E-06	14.28471184	1.97626E-05	0.000221792	0.000138828
2029 Feb	47.65551376	0.058638528	0.007138131	0.001092527	10.26827908	0.034551736	3.836810589	0.001092527	0.001092527	5.46263E-06	0.00837681	0.00109989	0.011637974	0.016056566	5.46263E-06	14.29506969	1.97627E-05	0.000221906	0.000139082
2029 Mar	47.69499207	0.058680635	0.007146254	0.00109313	10.27750778	0.034569297	3.840105057	0.00109313	0.00109313	5.46565E-06	0.008381206	0.001100732	0.011643911	0.016072992	5.46565E-06	14.30877304	1.97739E-05	0.000222094	0.000139299
2029 Apr	47.86180115	0.058882173	0.00717251	0.001096781	10.31386566	0.034683887	3.853602171	0.001096781	0.001096781	5.48391E-06	0.008409065	0.001104543	0.01168252	0.016130993	5.48391E-06	14.3598814	1.98401E-05	0.000222873	0.000139845
2029 May	49.10949707	0.060276605	0.00739088	0.001121767	10.5890131	0.035434887	3.954102755	0.001121767	0.001121767	5.60884E-06	0.008597273	0.001132509	0.011941208	0.016590627	5.60884E-06	14.75674248	2.03026E-05	0.000228787	0.000144804
2029 Jun	47.05340195	0.048363023	0.007702317	0.001095375	9.728158951	0.031449456	3.570824623	0.001095375	0.001095375	5.47687E-06	0.008318413	0.001089483	0.011448091	0.015950708	5.47687E-06	14.04959583	2.09923E-05	0.000228257	0.000146527
2029 Jul	38.57185745	0.027047746	0.006760285	0.000980789	7.376464367	0.025196772	2.663631439	0.000980789	0.000980789	4.90394E-06	0.00721937	0.000928532	0.009891702	0.012851576	4.90394E-06	11.19022369	1.93105E-05	0.000194352	0.000115245
2029 Aug	40.92069626	0.028347934	0.007100643	0.001044266	7.924686909	0.027750734	2.873679638	0.001044266	0.001044266	5.22133E-06	0.007545056	0.000997563	0.010487998	0.013751776	5.22133E-06	11.94539165	1.96483E-05	0.000202774	0.000121617
2029 Sep	42.25189209	0.032284614	0.00716645	0.001065097	8.332427979	0.029225484	3.035400629	0.001065097	0.001065097	5.32549E-06	0.007718765	0.001024729	0.01080332	0.014199711	5.32549E-06	12.38729191	1.9698E-05	0.000207114	0.000124286
2029 Oct	42.47504425	0.038822893	0.006886741	0.001045791	8.63008213	0.03021777	3.17887044	0.001045791	0.001045791	5.22896E-06	0.007687454	0.001018973	0.010738108	0.014277588	5.22896E-06	12.53283119	1.90381E-05	0.000203841	0.000123187
2029 Nov	42.78709793	0.040988289	0.006843573	0.001046113	8.768377304	0.030687181	3.239852905	0.001046113	0.001046113	5.23056E-06	0.00772265	0.001023162	0.010780897	0.014383332	5.23056E-06	12.64856243	1.89524E-05	0.000204049	0.000123573
2029 Dec	42.82363129	0.041068301	0.006847171	0.00104683	8.777657509	0.030719308	3.243520021	0.00104683	0.00104683	5.23415E-06	0.007728734	0.001023956	0.010789237	0.014395633	5.23415E-06	12.65992737	1.89632E-05	0.000204192	0.000123666
2030 Jan	42.84144974	0.041099165	0.006851551	0.00104683	8.782964706	0.030721709	3.245409966	0.00104683	0.00104683	5.23415E-06	0.007728787	0.001024259	0.010789062	0.014405198	5.23415E-06	12.66759682	1.89627E-05	0.000204268	0.00012383
2030 Feb	42.87680054	0.041130997	0.006860319	0.001047185	8.791631699	0.030730244	3.24840641	0.001047185	0.001047185	5.23593E-06	0.007731109	0.001024974	0.010792033	0.014421929	5.23593E-06	12.68104744	1.89695E-05	0.000204439	0.00012409
2030 Mar	42.93457031	0.041185275	0.006871257	0.001048319	8.804249763	0.030762482	3.252955914	0.001048319	0.001048319	5.2416E-06	0.007739316	0.001026284	0.010803343	0.014443997	5.2416E-06	12.69976521	1.89903E-05	0.000204716	0.000124343
2030 Apr	43.13372421	0.041375663	0.006904101	0.001053023	8.845531464	0.030899929	3.268144131	0.001053023	0.001053023	5.26511E-06	0.00777395	0.001031004	0.010851604	0.014512507	5.26511E-06	12.75960922	1.90756E-05	0.000205666	0.000124969
2030 May	44.61780548	0.042795055	0.007143897	0.001088925	9.150663376	0.031951088	3.380722761	0.001088925	0.001088925	5.44462E-06	0.008038801	0.00106639	0.01122108	0.015015007	5.44462E-06	13.20055199	1.97267E-05	0.000212748	0.000129375
2030 Jun	41.14314651	0.030949105	0.007184855	0.001023082	7.99603653	0.026689531	2.888017416	0.001023082	0.001023082	5.11541E-06	0.007561281	0.000980598	0.010402845	0.013799894	5.11541E-06	12.03618717	2.00714E-05	0.000206553	0.000125893
2030 Jul	38.89470291	0.025004508	0.006914017	0.000997864	7.375602722	0.025336688	2.654526711	0.000997864	0.000997864	4.98932E-06	0.0072732	0.000943258	0.009998514	0.01299853	4.98932E-06	11.2789793	1.95313E-05	0.000196585	0.000116991
2030 Aug	41.31919479	0.026163768	0.007279393	0.001064984	7.921554089	0.027891682	2.865412474	0.001064984	0.001064984	5.32492E-06	0.007628393	0.001015345	0.010598052	0.013933288	5.32492E-06	12.05056286	1.99976E-05	0.000205355	0.000123858
2030 Sep	43.74895859	0.029060643	0.007630469	0.001121399	8.460329056	0.029818598	3.065847635	0.001121399	0.001121399	5.607E-06	0.008037745	0.001072563	0.011217063	0.014751335	5.607E-06	12.78567696	2.08669E-05	0.000216408	0.00013046
2030 Oct	43.59030914	0.037890345	0.007158234	0.001082155	8.784673691	0.030868649	3.23217845	0.001082155	0.001082155	5.41078E-06	0.007907984	0.00105249	0.011011847	0.01469518	5.41078E-06	12.84981155	1.97264E-05	0.000209633	0.000127448
2030 Nov	43.64067841	0.041851737	0.006971586	0.001067982	8.950488091	0.031412128	3.313716173	0.001067982	0.001067982	5.33991E-06	0.007873007	0.001046611	0.01095243	0.014710994	5.33991E-06	12.91310978	1.92823E-05	0.000207249	0.000126483
2030 Dec	43.67670059	0.041946188	0.00697436	0.001068628	8.960255623	0.031445824	3.31764102	0.001068628	0.001068628	5.34314E-06	0.007877366	0.001047366	0.010960367	0.014723118	5.34314E-06	12.92450809	1.92911E-05	0.00020738	0.00012657
2031 Jan	43.70054245	0.041987363	0.006980216	0.001068631	8.96734333	0.031449046	3.320162535	0.001068631	0.001068631	5.34315E-06	0.007878925	0.001047771	0.010960181	0.014735876	5.34315E-06	12.93474865	1.92905E-05	0.000207482	0.000126788
2031 Feb	43.72793961	0.042010851	0.006988742	0.001068623	8.97484684	0.031446278	3.322658062	0.001068623	0.001068623	5.34311E-06	0.007878469	0.001048251	0.010959199	0.01475152	5.34311E-06	12.94683456	1.92909E-05	0.000207617	0.000127077
2031 Mar	43.77277374	0.042052388	0.00699817	0.001069349	8.985074043	0.031466268	3.326290846	0.001069349	0.001069349	5.34675E-06	0.007883608	0.00104923	0.010966154	0.014770137	5.34675E-06	12.96227741	1.93043E-05	0.000207832	0.000127322
2031 Apr	44.30409622	0.042561937	0.00708442	0.001082116	9.09472847	0.031841148	3.366796255	0.001082116	0.001082116	5.41058E-06	0.007977607	0.00106191	0.011096797	0.014951434	5.41058E-06	13.12086582	1.95349E-05	0.000210356	0.000128933
2031 May	48.81448746	0.045882612	0.00829162	0.00112269	10.18080997	0.032487586	3.733567476	0.00112269	0.00112269	5.61345E-06	0.008236206	0.001151192	0.011408001	0.017141141	5.61345E-06	14.8622694	2.04531E-05	0.000233096	0.000164616
2031 Jun	58.87307739	0.048248805	0.012323731	0.001053583	12.84629345	0.026895883	4.536809921	0.001053583	0.001053583	5.26792E-06	0.007543851	0.001304427	0.01017867	0.02359245	5.26792E-06	19.66625023	2.05423E-05	0.000290247	0.000299781
2031 Jul	67.11660004	0.053539522	0.013975011	0.001229617	14.5517931	0.031453069	5.145424843	0.001229617	0.001229617	6.14809E-06	0.008758883	0.001500002	0.01184403	0.026749996	6.14809E-06	22.30134583	2.35724E-05	0.000330462	0.000335847
2031 Aug	69.69342041	0.054829597	0.014215475	0.001312889	15.20136642	0.035415933	5.401987553	0.001312889	0.001312889	6.56444E-06	0.009119062	0.001585911	0.012676878	0.027678749	6.56444E-06	23.10965157	2.36652E-05	0.000337571	0.000338027
2031 Sep	62.9573822	0.059622496	0.01191251	0.001202438	14.08111286	0.036033869	5.068614006	0.001202438	0.001202438	6.01219E-06	0.008452693	0.001429435	0.012144275	0.024396671	6.01219E-06	20.69886971	2.0286E-05	0.000297527	0.000281288
2031 Oct	55.15676498	0.069834523	0.009156123	0.001060149	12.76876163	0.035895627	4.72262001	0.001060149	0.001060149	5.30075E-06	0.007856004	0.001238663	0.011132683	0.020661842	5.30075E-06	17.88883972	1.7372E-05	0.0002493	0.000219478
2031 Nov	55.10705185	0.071227975	0.009041916	0.001059748	12.79302979	0.036221299	4.741701126	0.001059748	0.001059748	5.29874E-06	0.007886214	0.001236416	0.011163456	0.0205843	5.29874E-06	17.85241318	1.73232E-05	0.000248135	0.000217049
2031 Dec	55.14006424	0.071316749	0.009043977	0.0010604	12.80182648	0.036254328	4.745280266	0.0010604	0.0010604	5.302E-06	0.007892119	0.001237121	0.011171435	0.020594765	5.302E-06	17.862463	1.73326E-05	0.000248254	0.000217108
2032 Jan	55.16101074	0.071347341	0.009049364	0.00106044	12.80772495	0.036256384	4.747353554	0.00106044	0.00106044	5.3022E-06	0.00789245	0.001237488	0.011171473	0.020605838	5.3022E-06	17.87127686	1.73335E-05	0.000248349	0.000217298
2032 Feb	55.1871109	0.07136438	0.009057885	0.001060435	12.81467438	0.036252178	4.749625206	0.001060435	0.001060435	5.30218E-06	0.007891975	0.00123795	0.011170387	0.020620909	5.30218E-06	17.8828125	1.73345E-05	0.000248481	0.000217582
2032 Mar	55.24692535	0.071432687	0.009069998	0.001061311	12.82904625	0.036279909	4.754786968	0.001061311	0.001061311	5.30655E-06	0.007898253	0.001239224	0.011179048	0.02064614	5.30655E-06	17.903862	1.73494E-05	0.000248758	0.000217915

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Apr	55.63539505	0.071929909	0.009135057	0.00106862	12.91952515	0.036528546	4.788228035	0.00106862	0.00106862	5.3431E-06	0.007952514	0.0012479	0.011255722	0.020792924	5.3431E-06	18.03068542	1.74692E-05	0.000250512	0.000219502
2032 May	57.71271515	0.074454799	0.009503401	0.00110602	13.40312195	0.037758883	4.965354919	0.00110602	0.00110602	5.5301E-06	0.008228217	0.001293858	0.011642546	0.021597493	5.5301E-06	18.71925163	1.80972E-05	0.000260018	0.000228709
2032 Jun	47.42657852	0.044425908	0.008608123	0.001005927	10.02993393	0.027965179	3.62097621	0.001005927	0.001005927	5.02963E-06	0.007454713	0.001081244	0.010284252	0.017216539	5.02963E-06	14.82469082	1.91731E-05	0.0002315	0.000183701
2032 Jul	38.1005249	0.027578158	0.006996997	0.000895157	7.598344803	0.023360964	2.731112242	0.000895157	0.000895157	4.47579E-06	0.006483286	0.00090405	0.00892569	0.01343319	4.47579E-06	11.53003597	1.71693E-05	0.000189378	0.00013486
2032 Aug	39.57098007	0.028595082	0.007149931	0.000935362	8.001857758	0.025492584	2.8857162	0.000935362	0.000935362	4.67681E-06	0.006634191	0.000949939	0.009359299	0.013997172	4.67681E-06	12.02581596	1.69432E-05	0.000193538	0.000137354
2032 Sep	40.99115372	0.030864958	0.007304854	0.000964902	8.375390053	0.026927857	3.023656368	0.000964902	0.000964902	4.82451E-06	0.006824174	0.000982406	0.009757774	0.014468172	4.82451E-06	12.47845173	1.71078E-05	0.000199395	0.000140303
2032 Oct	41.73129272	0.033407103	0.007326761	0.000976898	8.595330238	0.027720872	3.115036249	0.000976898	0.000976898	4.88449E-06	0.006947289	0.000997082	0.009920303	0.014707178	4.88449E-06	12.71315193	1.72473E-05	0.000201695	0.000141635
2032 Nov	41.91297913	0.03486779	0.007285775	0.000977556	8.678284645	0.028044861	3.152972937	0.000977556	0.000977556	4.88778E-06	0.006977467	0.000999394	0.009954441	0.014756477	4.88778E-06	12.7747221	1.72101E-05	0.000201712	0.000141455
2032 Dec	41.7550621	0.036161274	0.007179365	0.000969978	8.694913864	0.028159438	3.167499542	0.000969978	0.000969978	4.84989E-06	0.006951104	0.000993431	0.00990713	0.014684919	4.84989E-06	12.73332787	1.70237E-05	0.00020002	0.000140059
2033 Jan	41.78786469	0.036218803	0.007186968	0.000970057	8.704419136	0.028166041	3.170915127	0.000970057	0.000970057	4.85028E-06	0.0069519	0.000994005	0.009907683	0.014701751	4.85028E-06	12.74695015	1.70246E-05	0.000200161	0.000140336
2033 Feb	41.83903885	0.036264211	0.00720055	0.000970425	8.71736908	0.028173584	3.175341845	0.000970425	0.000970425	4.85213E-06	0.006954098	0.000995003	0.00991029	0.014727352	4.85213E-06	12.76272676	1.7032E-05	0.000200409	0.000140758
2033 Mar	41.95793533	0.036367837	0.007223624	0.000972736	8.743391991	0.028238932	3.184662342	0.000972736	0.000972736	4.86368E-06	0.006970412	0.00099771	0.00993325	0.014773354	4.86368E-06	12.80613422	1.7073E-05	0.00020098	0.000141294
2033 Apr	42.47575378	0.036816996	0.007314276	0.000984483	8.852018356	0.028578971	3.224136353	0.000984483	0.000984483	4.92241E-06	0.007054451	0.001009954	0.010052847	0.014958064	4.92241E-06	12.96566105	1.72794E-05	0.000203462	0.000143117
2033 May	51.19451141	0.042867199	0.010033468	0.001004431	11.08441639	0.027643079	3.956570387	0.001004431	0.001004431	5.02216E-06	0.007115049	0.001165786	0.009960982	0.019734534	5.02216E-06	16.66110039	1.825E-05	0.000248419	0.000230701
2033 Jun	55.83697128	0.04348059	0.012274621	0.000920746	12.38971901	0.022769257	4.330406189	0.000920746	0.000920746	4.60373E-06	0.006445782	0.001219391	0.008756058	0.023179404	4.60373E-06	19.14915276	1.78844E-05	0.000276607	0.000310287
2033 Jul	57.78848648	0.044027697	0.012627037	0.000976124	12.75388432	0.024271468	4.464509487	0.000976124	0.000976124	4.88062E-06	0.006803498	0.001272545	0.009260085	0.023865961	4.88062E-06	19.72086716	1.87681E-05	0.000285721	0.000316044
2033 Aug	62.54466629	0.047441434	0.013609087	0.001064838	13.81283951	0.026809214	4.841941833	0.001064838	0.001064838	5.32419E-06	0.007379863	0.001383643	0.010091684	0.02581225	5.32419E-06	21.32944298	2.01668E-05	0.00030807	0.00033994
2033 Sep	59.3858223	0.051666692	0.012305515	0.001028073	13.29588699	0.028050229	4.711382389	0.001028073	0.001028073	5.14036E-06	0.007227525	0.001313912	0.010025412	0.024089182	5.14036E-06	20.09688759	1.87811E-05	0.000287558	0.000306515
2033 Oct	52.08862305	0.060709547	0.009530497	0.000927913	12.01572323	0.029323833	4.378400803	0.000927913	0.000927913	4.63956E-06	0.006855784	0.001147903	0.009477993	0.020333059	4.63956E-06	17.31392097	1.62122E-05	0.000241517	0.000238627
2033 Nov	51.91372681	0.062654257	0.0093222	0.00092845	12.02474022	0.029884301	4.398031712	0.00092845	0.00092845	4.64225E-06	0.006904844	0.001143412	0.009541719	0.020153658	4.64225E-06	17.2120266	1.61214E-05	0.000239211	0.000233606
2033 Dec	51.94545746	0.062713727	0.00932616	0.000929053	12.03257656	0.029909065	4.401058197	0.000929053	0.000929053	4.64527E-06	0.006909776	0.001144105	0.009548493	0.020164881	4.64527E-06	17.22211647	1.61308E-05	0.000239343	0.000233708
2034 Jan	51.95593262	0.06272953	0.009328551	0.000929115	12.03544617	0.029911796	4.402084827	0.000929115	0.000929115	4.64558E-06	0.006910251	0.001144301	0.009549026	0.020170016	4.64558E-06	17.22628593	1.61318E-05	0.000239389	0.000233789
2034 Feb	51.96995926	0.062741011	0.009332562	0.000929179	12.03907394	0.029912414	4.403306484	0.000929179	0.000929179	4.6459E-06	0.006910545	0.001144565	0.009549285	0.020177418	4.6459E-06	17.23208427	1.61332E-05	0.000239458	0.000233917
2034 Mar	52.0053215	0.062780723	0.009339725	0.000929709	12.04747105	0.029928703	4.406321049	0.000929709	0.000929709	4.64855E-06	0.00691439	0.00114532	0.009554517	0.020192211	4.64855E-06	17.24443436	1.61426E-05	0.000239623	0.000234112
2034 Apr	52.40755081	0.063264586	0.009412429	0.000936842	12.14076996	0.030157849	4.440412045	0.000936842	0.000936842	4.68421E-06	0.006967377	0.001154164	0.009627691	0.020348998	4.68421E-06	17.37816811	1.62666E-05	0.000241478	0.000235943
2034 May	55.41652298	0.06523487	0.010229481	0.000965094	12.8539114	0.030555796	4.679712296	0.000965094	0.000965094	4.82547E-06	0.007145506	0.00121418	0.009841365	0.021807643	4.82547E-06	18.53507996	1.69202E-05	0.00025683	0.000259771
2034 Jun	59.72336578	0.060303293	0.012366563	0.000943328	13.76988125	0.026607092	4.902450562	0.000943328	0.000943328	4.71664E-06	0.006831202	0.001284171	0.009232213	0.024695996	4.71664E-06	20.58845329	1.76594E-05	0.00028611	0.000324446
2034 Jul	59.04904938	0.057462927	0.012132163	0.00097067	13.50462151	0.027475063	4.819215298	0.00097067	0.00097067	4.85335E-06	0.006937499	0.001289599	0.009418795	0.024267223	4.85335E-06	20.21947098	1.77665E-05	0.000281654	0.000313467
2034 Aug	64.97105408	0.063029572	0.013299722	0.001074895	14.86743259	0.030682007	5.308567524	0.001074895	0.001074895	5.37447E-06	0.007645753	0.001423338	0.010445588	0.02666842	5.37447E-06	22.23095894	1.94161E-05	0.000309194	0.0003428
2034 Sep	61.82271194	0.066115215	0.012101984	0.001039732	14.2816124	0.031390414	5.147513866	0.001039732	0.001039732	5.19866E-06	0.007519859	0.001354102	0.010317983	0.024985271	5.19866E-06	20.99257088	1.83869E-05	0.00028992	0.000311624
2034 Oct	55.34119034	0.069859318	0.009911024	0.000956723	13.00567245	0.031616103	4.771452427	0.000956723	0.000956723	4.78361E-06	0.00715331	0.001210511	0.009812674	0.021730522	4.78361E-06	18.52515793	1.64238E-05	0.00025223	0.000255438
2034 Nov	55.33468246	0.07072033	0.009834773	0.000958727	13.02216434	0.031898711	4.784212112	0.000958727	0.000958727	4.79363E-06	0.007186815	0.001210236	0.009858454	0.02167624	4.79363E-06	18.50127602	1.6419E-05	0.000251607	0.000253493
2034 Dec	55.37430573	0.070791423	0.009840049	0.000959463	13.0319128	0.031928293	4.787951469	0.000959463	0.000959463	4.79732E-06	0.007192769	0.0012111	0.009866617	0.021690544	4.79732E-06	18.51401329	1.64306E-05	0.000251773	0.00025363
2035 Jan	55.38397217	0.070805602	0.009842335	0.000959512	13.03457355	0.031930424	4.788896084	0.000959512	0.000959512	4.79756E-06	0.007193136	0.001211278	0.00986701	0.02169537	4.79756E-06	18.51791573	1.64314E-05	0.000251816	0.000253708
2035 Feb	55.40116501	0.070820652	0.009846974	0.000959625	13.03894711	0.031932566	4.790386677	0.000959625	0.000959625	4.79813E-06	0.00719379	0.00121161	0.009867761	0.021704076	4.79813E-06	18.52480507	1.64337E-05	0.0002519	0.000253853
2035 Mar	55.43077469	0.070854716	0.009853101	0.000960038	13.04609489	0.031945396	4.7929492	0.000960038	0.000960038	4.80019E-06	0.007196774	0.001212234	0.009871773	0.021716751	4.80019E-06	18.53533173	1.6441E-05	0.000252037	0.000254025
2035 Apr	55.83014679	0.071363054	0.009924587	0.000966897	13.14019299	0.032173131	4.8274827	0.000966897	0.000966897	4.83449E-06	0.007248132	0.001220954	0.009942176	0.021873834	4.83449E-06	18.66923332	1.65586E-05	0.000253855	0.000255876
2035 May	58.18362045	0.073762804	0.010432381	0.001000262	13.69479561	0.033107795	5.023985863	0.001000262	0.001000262	5.00131E-06	0.007487377	0.001270634	0.010261001	0.022883317	5.00131E-06	19.50310135	1.71845E-05	0.000265097	0.000269809
2035 Jun	54.6138916	0.05546001	0.010898443	0.000934284	12.35020161	0.026352812	4.421463013	0.000934284	0.000934284	4.67142E-06	0.006865456	0.001189805	0.00926266	0.021874085	4.67142E-06	18.37878799	1.77209E-05	0.000262236	0.000274878
2035 Jul	54.31978989	0.052589398	0.010808348	0.000967874	12.09146023	0.026728358	4.324932575	0.000967874	0.000967874	4.83937E-06	0.007089792	0.001195406	0.009574694	0.021494869	4.83937E-06	18.07957458	1.849E-05	0.000262528	0.000265718
2035 Aug	56.73418427	0.054784931	0.011163098	0.001022873	12.67601681	0.028979866	4.536529064	0.001022873	0.001022873	5.11436E-06	0.007403636	0.001255713	0.010216554	0.022357777	5.11436E-06	18.85624695	1.88596E-05	0.000272834	0.000272388
2035 Sep	52.62485504	0.057311106	0.009717282	0.000965541	11.97452831	0.029759873	4.33205843	0.000965541	0.000965541	4.82771E-06	0.007041934	0.001166139	0.009966343	0.020320309	4.82771E-06	17.35331917	1.68242E-05	0.000247727	0.000235656
2035 Oct	51.08362579	0.061819453	0.008950532	0.000944095	11.77361679	0.030641234	4.306909084	0.000944095	0.000944095	4.72047E-06	0.007016797	0.001129602	0.009889436	0.019450609	4.72047E-06	16.74238777	1.61868E-05	0.00023607	0.000218013
2035 Nov	49.66534424	0.063200176	0.008460665	0.000921302	11.52171707	0.030668024	4.238255024	0.000921302	0.000921302	4.60651E-06	0.006912641	0.001097046	0.009722484	0.018773131	4.60651E-06	16.22614288	1.56649E-05	0.000227313	0.000206582
2035 Dec	49.69849014	0.063290574	0.008462556	0.000921971	11.5305748	0.030702151	4.241876125	0.000921971	0.000921971	4.60985E-06	0.006918666	0.00109776	0.009730647	0.018783521	4.60985E-06	16.23617172	1.56742E-05	0.00022743	0.000206637
2036 Jan	49.71012115	0.063307777	0.008465436	0.000922006	11.53383923	0.030703977	4.243033409	0.000922006	0.000922006	4.61003E-06	0.006918934	0.00109797	0.00973081	0.018789569	4.61003E-06	16.24100304	1.56748E-05	0.000227482	0.000206738
2036 Feb	49.72554779	0.063318789	0.00847023	0.000922032	11.5379076	0.030702781	4.244379997	0.000922032	0.000922032	4.61016E-06	0.006918881	0.001098251	0.009730518	0.018798195	4.61016E-06	16.24765778	1.56757E-05	0.000227559	0.000206895
2036 Mar	49.7349472	0.063326068	0.008473002	0.000922066	11.54035282	0.030702773	4.24519825	0.000922066	0.000922066	4.61033E-06	0.006918996	0.001098426	0.009730563	0.018803261	4.61033E-06	16.25160217	1.56765E-05	0.000227605	0.000206985
2036 Apr	50.20250702	0.063887678	0.008561108	0.000929719	11.6507473	0.030949555	4.285223961	0.000929719	0.000929719	4.6486E-06	0.006975454	0.001108519	0.009809116	0.018990938	4.6486E-06	16.41067886	1.58085E-05	0.000229769	0.000209295
2036 May	52.08293533	0.066136569	0.008911754	0.000961287	12.09186459	0.031962242	4.445328712	0.000961287	0.000961287	4.80644E-06	0.007208889	0.00114929	0.010134073	0.019738276	4.80644E-06	17.04569626	1.63558E-05	0.000238488	0.000218357
2036 Jun	48.30587387	0.05200218	0.00875425	0.00093646	10.71122742	0.027791465	3.883232594	0.00093646	0.00093646	4.6823E-06	0.00697849	0.001075823	0.009671867	0.018129081	4.6823E-06	15.56928253	1.72671E-05	0.000230439	0.000203171
2036 Jul	46.38822937	0.045421366	0.008420184	0.00095048	10.05230713	0.027519735	3.644431353	0.00095048	0.00095048	4.7524E-06	0.006963103	0.001057219	0.009656016	0.017215161	4.7524E-06	14.75202465	1.73845E-05	0.000222022	0.000187541
2036 Aug	50.32675934	0.048935071	0.009103243	0.001036537	10.9213295	0.030276904	3.963379622	0.001036537	0.001036537	5.18269E-06	0.007543257	0.001152433	0.010515889	0.018686173	5.18269E-06	16.00795937	1.86578E-05	0.000239864	0.000202318
2036 Sep	50.30773163	0.051472448	0.008891422	0.001035481	11.0224247	0.031157244	4.014809608	0.001035481	0.001035481	5.17741E-06	0.007553326	0.001150376	0.010625854	0.018577641	5.17741E-06	15.98848248	1.8268E-05	0.000237769	0.000197689
2036 Oct	48.5897522	0.05754713	0.008064033	0.000993438	10.88113785	0.031830944	4.015992165	0.000993438	0.000993438	4.96719E-06	0.00740339	0.001103544	0.010374931	0.017726988	4.96719E-06	15.39904404	1.71828E-05	0.000224263	0.000181742
2036 Nov	48.24697495	0.058820684	0.007894839	0.000984997	10.8547945	0.031979013	4.017314911	0.000984997	0.000984997	4.92499E-06	0.007374323	0.00109414	0.010325746	0.017555565	4.92499E-06	15.28109741	1.69626E-05	0.000221526	0.000178488
2036 Dec	48.07893372	0.059180785	0.007829563	0.000981085	10.83394814	0.031992976	4.013297558	0.000981085	0.000981085	4.90542E-06	0.00735643	0.001089785	0.010297855	0.017478824	4.90542E-06	15.22474098	1.68702E-05	0.000220366	0.000177203
2037 Jan	48.10338211	0.059216719	0.007835387	0.0009812	10.84070015	0.031998143	4.015696526	0.0009812	0.0009812	4.906E-06	0.007357297	0.001090235	0.010298734	0.017491121	4.906E-06	15.23465729	1.68721E-05	0.000220475	0.000177402
2037 Feb	48.13885498	0.059247609	0.007845038	0.000981422	10.84975147	0.032002151	4.018776894	0.000981422	0.000981422	4.90711E-06	0.007358555	0.001090918	0.010300143	0.017509194	4.90711E-06	15.24894238	1.68766E-05	0.000220648	0.000177705
2037 Mar	48.25327301	0.059381444	0.007865803	0.000983481	10.87611961	0.032067496	4.028394222	0.000983481	0.000983481	4.91741E-06	0.007373764	0.001093445	0.010321241	0.017553644	4.91741E-06	15.2868576	1.69124E-05	0.000221178	0.000178222
2037 Apr	48.54176331	0.059732467	0.007914043	0.000989204	10.94147587	0.032253083	4.052515984	0.000989204	0.000989204	4.94602E-06	0.007416545	0.001099945	0.010381011	0.017660212	4.94602E-06	15.37920856	1.70111E-05	0.000222503	0.000179342
2037 May	55.23261642	0.061618425	0.010234816	0.000998703	12.59354782	0.030644707	4.571375847	0.000998703	0.000998703	4.99352E-06	0.00736259	0.001220174	0.010169584	0.021482084	4.99352E-06	18.27832222	1.77912E-05	0.000258894	0.000252398
2037 Jun	57.19468689	0.055035088	0.011934813	0.00092272	13.03996086	0.025291305	4.627084255	0.00092272	0.00092272	4.6136E-06	0.006657276	0.001235133	0.009009821	0.023543056	4.6136E-06	19.61883926	1.74932E-05	0.000276371	0.000308637
2037 Jul	59.97099304	0.056502469	0.01246853	0.000989127	13.5925169	0.027037026	4.826209068	0.000989127	0.000989127	4.94564E-06	0.007107186	0.001304158	0.00963292	0.024567453	4.94564E-06	20.4759388	1.86579E-05	0.000289782	0.000319218
2037 Aug	63.61845016	0.059789617	0.013163455	0.001057027	14.43339348	0.029230498	5.128015995	0.001057027	0.001057027	5.28513E-06	0.007552394	0.001388233	0.010322958	0.026017206	5.28513E-06	21.70186043	1.96191E-05	0.000306595	0.000335995
2037 Sep	64.90784454	0.06290403	0.013228748	0.001086059	14.78022957	0.030741828	5.265879631	0.001086059	0.001086059	5.4303E-06	0.007779379	0.001417377	0.010706563	0.026395768	5.4303E-06	22.08488846	1.98783E-05	0.00031127	0.000337013
2037 Oct	61.23898697	0.066906445	0.011831863	0.001042104	14.10896492	0.031500511	5.087715149	0.001042104	0.001042104	5.21052E-06	0.007624941	0.00133661	0.010488215	0.024475139	5.21052E-06	20.65897942	1.86775E-05	0.000288281	0.000301741
2037 Nov	60.93368912	0.068109542	0.011640899	0.001040453	14.07200623	0.031851009	5.086644173	0.001040453	0.001040453	5.20226E-06	0.00764493	0.001329814	0.010514576	0.024265977	5.20226E-06	20.51988411	1.85687E-05	0.000285747	0.000296938
2037 Dec	61.00011063	0.068220839	0.011650405	0.001041672	14.08815098	0.03189797	5.092774391	0.001041672	0.001041672	5.20836E-06	0.007654663	0.00133126	0.010527934	0.024290327	5.20836E-06	20.54138184	1.85885E-05	0.000286033	0.000297183
2038 Jan	61.0148468	0.068244755	0.011653647	0.001041759	14.09224415	0.031902283	5.09425211	0.001041759	0.001041759	5.20879E-06	0.007655353	0.001331535	0.010528715	0.024297507	5.20879E-06	20.54724121	1.85897E-05	0.000286096	0.000297294
2038 Feb	61.03350449	0.068259686	0.011659168	0.001041816	14.09714222	0.031902153	5.095891953	0.001041816	0.001041816	5.20908E-06	0.007655518	0.00133188	0.010528725	0.024307631	5.20908E-06	20.55512238	1.85912E-05	0.000286188	0.000297474
2038 Mar	61.06924438	0.06829641	0.011667061	0.001042284	14.10571766	0.031915434	5.098920822	0.001042284	0.001042284	5.21142E-06	0.007658813	0.001332626	0.010533138	0.024323331	5.21142E-06	20.5680275	1.85997E-05	0.000286358	0.000297697
2038 Apr	61.4348259	0.068703406	0.011737515	0.001048442	14.1903429	0.032103408	5.129470825	0.001048442	0.001048442	5.24221E-06	0.007703982	0.001340584	0.010595192	0.02446978	5.24221E-06	20.69165421	1.87097E-05	0.000288074	0.000299507
2038 May	65.07672882	0.070663668	0.012804976	0.001074801	15.06124115	0.032200903	5.416054249	0.001074801	0.001074801	5.37401E-06	0.007852687	0.001411314	0.010750913	0.026322406	5.37401E-06	22.14037323	1.94076E-05	0.00030703	0.000331391
2038 Jun	66.38272095	0.062267661	0.014423712	0.000994307	15.29924583	0.026385603	5.390834332	0.000994307	0.000994307	4.97153E-06	0.007104259	0.001413986	0.009525888	0.028093375	4.97153E-06	23.22755051	1.91346E-05	0.000322332	0.000384035
2038 Jul	73.62737274	0.067970276	0.015951306	0.001124731	16.87403488	0.029683633	5.94618988	0.001124731	0.001124731	5.62365E-06	0.008030619	0.00157527	0.010777085	0.031003695	5.62365E-06	25.64842415	2.16659E-05	0.000358087	0.000421082
2038 Aug	80.50696564	0.074236564	0.017284174	0.001246966	18.48255157	0.033684328	6.51855135	0.001246966	0.001246966	6.23483E-06	0.008823303	0.00173111	0.012052563	0.033762898	6.23483E-06	27.98790359	2.33413E-05	0.000390089	0.000453777
2038 Sep	78.29039764	0.076874264	0.016334152	0.001231901	18.07761574	0.034799203	6.414924145	0.001231901	0.001231901	6.15951E-06	0.00879569	0.001685807	0.012101709	0.032478992	6.15951E-06	27.06682777	2.2589E-05	0.000375734	0.000427849
2038 Oct	73.65120697	0.080541663	0.014620108	0.001184787	17.16537476	0.035677735	6.160704613	0.001184787	0.001184787	5.92394E-06	0.008638682	0.001587244	0.011879769	0.03002804	5.92394E-06	25.23085594	2.1285E-05	0.000347515	0.000382824
2038 Nov	73.8261261	0.081525721	0.014582892	0.001190096	17.22146797	0.03604598	6.187474728	0.001190096	0.001190096	5.95048E-06	0.008694312	0.001591142	0.011955722	0.030048607	5.95048E-06	25.2684021	2.13389E-05	0.000347766	0.000381837
2038 Dec	73.84953308	0.08163444	0.014579996	0.001190735	17.22853088	0.036087044	6.190705776	0.001190735	0.001190735	5.95367E-06	0.008700739	0.00159166	0.011964504	0.030052828	5.95367E-06	25.27407646	2.1346E-05	0.000347816	0.00038176
2039 Jan	73.865448	0.081666261	0.014583564	0.001190743	17.23337173	0.036090523	6.192471027	0.001190743	0.001190743	5.95371E-06	0.008700924	0.001591933	0.011964452	0.030061219	5.95371E-06	25.28085709	2.13455E-05	0.00034788	0.000381899
2039 Feb	73.89144897	0.081684791	0.01459195	0.001190732	17.24039459	0.036086846	6.194783211	0.001190732	0.001190732	5.95366E-06	0.008700388	0.001592393	0.011963323	0.030076278	5.95366E-06	25.29239655	2.1346E-05	0.000348009	0.00038218

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Mar	74.06781769	0.081874199	0.014628559	0.001193339	17.28207016	0.036164042	6.20964241	0.001193339	0.001193339	5.9667E-06	0.00871919	0.001596139	0.011988962	0.03015052	5.9667E-06	25.35421181	2.13931E-05	0.000348844	0.000383173
2039 Apr	74.70065308	0.08257053	0.014754565	0.0012034	17.43002701	0.036467887	6.262739658	0.0012034	0.0012034	6.017E-06	0.008792559	0.001609745	0.012089719	0.030409528	6.017E-06	25.57166672	2.15736E-05	0.000351827	0.000386493
2039 May	78.05606842	0.086154394	0.015437931	0.00125558	18.2140007	0.038006827	6.542871475	0.00125558	0.00125558	6.2779E-06	0.009171182	0.001681609	0.01260732	0.031797215	6.2779E-06	26.73208618	2.25227E-05	0.000367737	0.000404621
2039 Jun	53.94166946	0.045944583	0.01068679	0.001055156	11.46546364	0.02720187	4.069139481	0.001055156	0.001055156	5.27578E-06	0.007766737	0.001203956	0.010560566	0.020509159	5.27578E-06	17.37752724	2.10197E-05	0.000268665	0.00024295
2039 Jul	42.58346176	0.028686093	0.00823552	0.000950252	8.644416809	0.024500335	3.089639187	0.000950252	0.000950252	4.75126E-06	0.00672777	0.001008291	0.009235797	0.0157036	4.75126E-06	13.2719183	1.79074E-05	0.000210338	0.000170396
2039 Aug	41.47877884	0.026006609	0.007709936	0.000968385	8.59739399	0.027668586	3.129611969	0.000968385	0.000968385	4.84192E-06	0.006438359	0.001034264	0.009156401	0.015509901	4.84192E-06	13.00765419	1.5563E-05	0.000193537	0.000158259
2039 Sep	42.95149612	0.029553069	0.007822719	0.000996422	8.99725914	0.029137993	3.286024332	0.000996422	0.000996422	4.98211E-06	0.00666904	0.001065484	0.009531392	0.01598368	4.98211E-06	13.4684782	1.58537E-05	0.000199147	0.000161111
2039 Oct	43.05519485	0.033589572	0.007621022	0.000989344	9.136875153	0.029738748	3.3571136	0.000989344	0.000989344	4.94672E-06	0.006714297	0.001060001	0.009570535	0.015929554	4.94672E-06	13.49497128	1.56944E-05	0.000197739	0.000158342
2039 Nov	43.33242798	0.033961337	0.007661444	0.000995343	9.200330734	0.029951034	3.381206512	0.000995343	0.000995343	4.97671E-06	0.006758675	0.001066511	0.009632793	0.016028488	4.97671E-06	13.58162975	1.57877E-05	0.000198938	0.000159238
2039 Dec	43.38415527	0.034037046	0.007668634	0.000996447	9.212359428	0.029991494	3.385802984	0.000996447	0.000996447	4.98224E-06	0.006767001	0.001067712	0.009644436	0.016046802	4.98224E-06	13.59778881	1.58048E-05	0.000199159	0.0001594
2040 Jan	43.39587784	0.03405964	0.007671363	0.000996453	9.215808868	0.029993108	3.387033463	0.000996453	0.000996453	4.98227E-06	0.006767234	0.001067901	0.009644538	0.016052801	4.98227E-06	13.6026926	1.58052E-05	0.000199211	0.000159501
2040 Feb	43.41330338	0.034075379	0.007676254	0.000996532	9.220340729	0.029994065	3.388566732	0.000996532	0.000996532	4.98266E-06	0.006767644	0.001068225	0.009644913	0.016061913	4.98266E-06	13.60986614	1.5807E-05	0.000199296	0.000159659
2040 Mar	43.49976349	0.034144364	0.007692522	0.000998342	9.239154816	0.030047793	3.395409346	0.000998342	0.000998342	4.99171E-06	0.006779871	0.001070297	0.009662224	0.016095348	4.99171E-06	13.6378994	1.58361E-05	0.000199696	0.000160027
2040 Apr	43.77882385	0.03436403	0.007742421	0.001004649	9.298677444	0.030237198	3.417244196	0.001004649	0.001004649	5.02325E-06	0.006822666	0.001077131	0.009723148	0.01619941	5.02325E-06	13.72590828	1.59363E-05	0.000200979	0.000161082
2040 May	47.01471329	0.036837522	0.00859616	0.001035084	10.07307053	0.03073772	3.679190159	0.001035084	0.001035084	5.17542E-06	0.00702456	0.00114106	0.009967141	0.017749075	5.17542E-06	14.96342468	1.66407E-05	0.000217355	0.000186117
2040 Jun	54.41727829	0.039849453	0.011744338	0.000956363	11.95656395	0.024452275	4.210854053	0.000956363	0.000956363	4.78182E-06	0.00654727	0.001223809	0.008933607	0.02241018	4.78182E-06	18.47780228	1.76466E-05	0.000265539	0.000290785
2040 Jul	56.21319962	0.04000115	0.012061291	0.001015197	12.23597908	0.025808526	4.310844421	0.001015197	0.001015197	5.07598E-06	0.006958298	0.001272442	0.009498681	0.022945125	5.07598E-06	18.94138145	1.87909E-05	0.000274975	0.000294026
2040 Aug	59.29064941	0.042025167	0.012618052	0.001083183	12.93237877	0.028132083	4.565891266	0.001083183	0.001083183	5.41592E-06	0.007357653	0.001351306	0.010147505	0.024160089	5.41592E-06	19.95648003	1.95274E-05	0.000288203	0.000306391
2040 Sep	59.6239357	0.044107758	0.012458782	0.001097026	13.09113407	0.029484289	4.631428242	0.001097026	0.001097026	5.48513E-06	0.007438798	0.001359624	0.010462803	0.024113445	5.48513E-06	20.01654625	1.92369E-05	0.000288309	0.000300901
2040 Oct	59.64526749	0.048685864	0.012116782	0.001101092	13.20480061	0.030700296	4.704666138	0.001101092	0.001101092	5.50546E-06	0.007571352	0.001356764	0.010630593	0.023910893	5.50546E-06	19.94747543	1.91533E-05	0.000285542	0.000293206
2040 Nov	60.02864456	0.049549717	0.012152827	0.001108613	13.30283546	0.031043191	4.743549347	0.001108613	0.001108613	5.54307E-06	0.007635703	0.00136508	0.01071873	0.024039082	5.54307E-06	20.06648445	1.92655E-05	0.000287031	0.000294148
2040 Dec	60.06847763	0.049630631	0.012157244	0.001109387	13.31280994	0.031076478	4.747450829	0.001109387	0.001109387	5.54694E-06	0.007642136	0.001365951	0.01072757	0.02405281	5.54694E-06	20.07899666	1.92774E-05	0.000287191	0.000294261
2041 Jan	60.09068298	0.049666494	0.012161833	0.001109573	13.31878185	0.031084467	4.74961853	0.001109573	0.001109573	5.54787E-06	0.007643648	0.001366375	0.010729429	0.024063056	5.54787E-06	20.08747482	1.92804E-05	0.000287288	0.000294413
2041 Feb	60.1195488	0.049692061	0.01216948	0.001109784	13.32607841	0.031088822	4.752113342	0.001109784	0.001109784	5.54892E-06	0.007644909	0.001366939	0.010730932	0.024077473	5.54892E-06	20.09892464	1.92846E-05	0.000287428	0.00029465
2041 Mar	60.23384476	0.049787465	0.012193602	0.001111718	13.35190392	0.031142157	4.761264801	0.001111718	0.001111718	5.55859E-06	0.007658128	0.001369487	0.010749341	0.024124809	5.55859E-06	20.13812065	1.93185E-05	0.000287976	0.000295262
2041 Apr	60.583992	0.05007742	0.012265048	0.00111808	13.42980099	0.031319883	4.789009094	0.00111808	0.00111808	5.5904E-06	0.007701893	0.001377419	0.010810687	0.024265943	5.5904E-06	20.25574684	1.94292E-05	0.000289651	0.000297008
2041 May	62.60657883	0.051689163	0.012725621	0.00114796	13.89262867	0.032066766	4.950461388	0.00114796	0.00114796	5.7398E-06	0.007905301	0.001421003	0.011085851	0.025141623	5.7398E-06	20.97195816	1.99919E-05	0.000299544	0.000309279
2041 Jun	49.09760666	0.032583103	0.009916697	0.001033443	10.0646801	0.025576267	3.549073696	0.001033443	0.001033443	5.16722E-06	0.007342879	0.001134111	0.010106965	0.018496467	5.16722E-06	15.58123684	2.00949E-05	0.00024685	0.000213569
2041 Jul	40.38368607	0.022002509	0.008020418	0.000938481	7.848395824	0.022329841	2.763441324	0.000938481	0.000938481	4.69241E-06	0.006682426	0.000958256	0.009159058	0.014565352	4.69241E-06	12.3340435	1.86142E-05	0.000206619	0.000156755
2041 Aug	43.93490601	0.02405162	0.008658548	0.001024534	8.589940071	0.024918417	3.03187561	0.001024534	0.001024534	5.12267E-06	0.007234273	0.0010482	0.010005615	0.015864015	5.12267E-06	13.43796349	1.98568E-05	0.000223108	0.000169031
2041 Sep	45.23346329	0.026784888	0.008765684	0.001050257	8.947501183	0.026304422	3.168684721	0.001050257	0.001050257	5.25129E-06	0.007417351	0.001077038	0.010358929	0.016287392	5.25129E-06	13.85104084	2.00017E-05	0.00022804	0.000171391
2041 Oct	45.41710663	0.032134309	0.008489151	0.001042669	9.168338776	0.027385749	3.281053305	0.001042669	0.001042669	5.21335E-06	0.007455356	0.001074641	0.01039793	0.016277522	5.21335E-06	13.92374706	1.95995E-05	0.000225302	0.000168038
2041 Nov	45.88755417	0.033215433	0.00853252	0.001051778	9.289651871	0.027808566	3.329246759	0.001051778	0.001051778	5.25889E-06	0.007533708	0.001084806	0.010505199	0.01643528	5.25889E-06	14.07032681	1.97335E-05	0.000227112	0.0001692
2041 Dec	45.94911194	0.033311974	0.00854087	0.001053071	9.303944588	0.027855538	3.334700108	0.001053071	0.001053071	5.26535E-06	0.007543893	0.001086194	0.010519262	0.016456574	5.26535E-06	14.08936596	1.97552E-05	0.00022738	0.000169387
2042 Jan	45.98088455	0.033355985	0.008547411	0.001053427	9.312062263	0.027868368	3.337632895	0.001053427	0.001053427	5.26714E-06	0.007546577	0.001086835	0.010522766	0.016470701	5.26714E-06	14.10107517	1.97612E-05	0.000227523	0.000169587
2042 Feb	46.003685	0.033377092	0.008553933	0.0010535	9.318124771	0.027869027	3.339684725	0.0010535	0.0010535	5.2675E-06	0.00754685	0.001087255	0.010522888	0.016482938	5.2675E-06	14.11066055	1.97628E-05	0.000227633	0.000169801
2042 Mar	46.06986237	0.033427596	0.008567485	0.00105477	9.332317352	0.027901933	3.34470582	0.00105477	0.00105477	5.27385E-06	0.007555813	0.001088754	0.010535244	0.016508872	5.27385E-06	14.13237381	1.97868E-05	0.000227959	0.000170117
2042 Apr	46.67193222	0.033865888	0.008680168	0.001068413	9.454730988	0.028262435	3.388540983	0.001068413	0.001068413	5.34206E-06	0.007653466	0.001102945	0.010671322	0.016725898	5.34206E-06	14.31787872	2.00428E-05	0.000230938	0.000172381
2042 May	50.03136063	0.036394808	0.009452204	0.001119383	10.20869827	0.029452961	3.650026321	0.001119383	0.001119383	5.59692E-06	0.008006628	0.001175148	0.011142775	0.018164959	5.59692E-06	15.49592113	2.10598E-05	0.000247678	0.000192564
2042 Jun	44.33061218	0.027129404	0.008594233	0.001032647	8.645256042	0.024965819	3.053080559	0.001032647	0.001032647	5.16324E-06	0.007471438	0.001042804	0.010258014	0.015738478	5.16324E-06	13.43967247	2.06857E-05	0.000227073	0.000165714
2042 Jul	40.10523224	0.020687576	0.007675728	0.00099268	7.629660606	0.024183584	2.708955526	0.00099268	0.00099268	4.9634E-06	0.007038379	0.000974764	0.009689461	0.014039173	4.9634E-06	11.9543047	1.92724E-05	0.000203854	0.000139858
2042 Aug	39.05378723	0.022673618	0.007086475	0.000961422	7.824649811	0.026596826	2.795324564	0.000961422	0.000961422	4.80711E-06	0.006527879	0.000960984	0.009711139	0.013697851	4.80711E-06	11.79946041	1.61476E-05	0.000191386	0.000128312
2042 Sep	39.46439743	0.027152218	0.006858789	0.000954846	8.175540924	0.028269589	2.932643414	0.000954846	0.000954846	4.77423E-06	0.006446058	0.000963488	0.009952203	0.013762786	4.77423E-06	11.99753761	1.50217E-05	0.000190182	0.000124603
2042 Oct	39.62164688	0.03302101	0.006597355	0.000941084	8.388185501	0.029008474	3.044426441	0.000941084	0.000941084	4.70542E-06	0.006483404	0.000957119	0.009900144	0.013771917	4.70542E-06	12.07297516	1.47507E-05	0.000187502	0.00012277
2042 Nov	39.95547867	0.033543076	0.006640718	0.000948269	8.466483116	0.029279394	3.074314356	0.000948269	0.000948269	4.74135E-06	0.006538523	0.000964751	0.009979676	0.013886018	4.74135E-06	12.17586517	1.4861E-05	0.000188936	0.000123706
2042 Dec	39.99147797	0.033603132	0.006645206	0.000949033	8.47504425	0.029309018	3.077602625	0.000949033	0.000949033	4.74516E-06	0.006544475	0.000965567	0.009988192	0.013898293	4.74516E-06	12.18697929	1.48726E-05	0.000189089	0.000123805
2043 Jan	40.00629044	0.033626296	0.006648464	0.000949136	8.479039192	0.029313289	3.079043865	0.000949136	0.000949136	4.74568E-06	0.006545332	0.000965846	0.00998912	0.013905366	4.74568E-06	12.1927557	1.48745E-05	0.000189154	0.000123915
2043 Feb	40.02132034	0.033639755	0.006652725	0.000949199	8.48295784	0.029313901	3.080370665	0.000949199	0.000949199	4.74599E-06	0.006545643	0.000966126	0.009989341	0.013913306	4.74599E-06	12.19898224	1.48761E-05	0.000189227	0.000124053
2043 Mar	40.04737473	0.033662107	0.00665802	0.000949656	8.488880157	0.029327309	3.082468987	0.000949656	0.000949656	4.74828E-06	0.006548732	0.00096671	0.009993915	0.013923848	4.74828E-06	12.20782185	1.48835E-05	0.000189352	0.000124183
2043 Apr	40.47101974	0.034018464	0.006729008	0.00095961	8.578911781	0.029634284	3.115130901	0.00095961	0.00095961	4.79805E-06	0.006617334	0.00097691	0.010098525	0.014071996	4.79805E-06	12.33748055	1.50397E-05	0.000191356	0.000125526
2043 May	43.60846329	0.036464464	0.007475793	0.00100125	9.306228638	0.030605868	3.36602211	0.00100125	0.00100125	5.00625E-06	0.006898087	0.001042839	0.010476811	0.015468284	5.00625E-06	13.47304344	1.58534E-05	0.000206901	0.000145977
2043 Jun	51.86701584	0.039449953	0.010751969	0.000957674	11.33634758	0.025453541	3.983939171	0.000957674	0.000957674	4.78837E-06	0.006614987	0.001165229	0.009482164	0.020595899	4.78837E-06	17.26193237	1.72741E-05	0.000255339	0.000254725
2043 Jul	54.2405014	0.039534125	0.011132354	0.001037614	11.76183605	0.027825719	4.14918375	0.001037614	0.001037614	5.18807E-06	0.007095228	0.001238569	0.010169325	0.021410093	5.18807E-06	17.9268322	1.83288E-05	0.000265244	0.00025942
2043 Aug	57.53483963	0.042401053	0.011619635	0.001113397	12.55632687	0.030910786	4.436326504	0.001113397	0.001113397	5.56699E-06	0.007523739	0.001321355	0.011050511	0.022587532	5.56699E-06	18.98540497	1.88317E-05	0.000279323	0.000268467
2043 Sep	57.24094009	0.044258017	0.01130431	0.001114746	12.60288525	0.032117069	4.462753773	0.001114746	0.001114746	5.57373E-06	0.007506883	0.001315374	0.011274316	0.022283843	5.57373E-06	18.84395027	1.81848E-05	0.000276054	0.000259311
2043 Oct	55.83407974	0.052715421	0.010361274	0.001088031	12.52239513	0.033464033	4.504413605	0.001088031	0.001088031	5.44015E-06	0.007557858	0.001274702	0.011204982	0.021385022	5.44015E-06	18.26105499	1.75773E-05	0.00026321	0.000239679
2043 Nov	54.45152664	0.05951101	0.009540159	0.001061669	12.40688801	0.034448486	4.52132082	0.001061669	0.001061669	5.30835E-06	0.007570561	0.001236058	0.011103855	0.020557487	5.30835E-06	17.70724297	1.70059E-05	0.00025155	0.000222492
2043 Dec	54.49229431	0.059620518	0.009542776	0.001062469	12.41773796	0.034488816	4.525735855	0.001062469	0.001062469	5.31234E-06	0.007577831	0.001236927	0.011113581	0.020570489	5.31234E-06	17.71968842	1.70175E-05	0.000251697	0.000222569
2044 Jan	54.52260971	0.059665732	0.009548905	0.001062792	12.42559814	0.034501098	4.528592587	0.001062792	0.001062792	5.31396E-06	0.007580351	0.00123753	0.011116778	0.020584011	5.31396E-06	17.73091316	1.7023E-05	0.000251831	0.000222761
2044 Feb	54.63370895	0.059781343	0.009571019	0.001064594	12.45166683	0.034557115	4.53792572	0.001064594	0.001064594	5.32297E-06	0.00759296	0.001239957	0.011134919	0.020629577	5.32297E-06	17.76917076	1.70526E-05	0.000252351	0.000223337
2044 Mar	54.83690643	0.060000431	0.009608058	0.001068356	12.49838352	0.034677878	4.554859638	0.001068356	0.001068356	5.34178E-06	0.007619658	0.001244517	0.011173881	0.02070827	5.34178E-06	17.83641434	1.71133E-05	0.000253294	0.000224234
2044 Apr	55.32643127	0.060534228	0.009694639	0.001077783	12.61018372	0.034983091	4.595552444	0.001077783	0.001077783	5.38891E-06	0.007686814	0.001255598	0.011272253	0.020894235	5.38891E-06	17.99628639	1.72646E-05	0.000255557	0.000226273
2044 May	59.11675644	0.064577594	0.010383547	0.001148946	13.47668362	0.037249014	4.909615993	0.001148946	0.001148946	5.74473E-06	0.008192723	0.001340874	0.012009414	0.022353621	5.74473E-06	19.2446785	1.84229E-05	0.000273186	0.000242776
2044 Jun	47.26452637	0.042787801	0.008920056	0.000943925	10.2693491	0.026826909	3.678804159	0.000943925	0.000943925	4.71962E-06	0.006778231	0.001071755	0.009629595	0.017818263	4.71962E-06	15.21194458	1.70207E-05	0.000228968	0.000200846
2044 Jul	49.47925949	0.04261018	0.009354998	0.001016374	10.57460403	0.028161837	3.781074047	0.001016374	0.001016374	5.08187E-06	0.007311038	0.001128817	0.010336563	0.018449407	5.08187E-06	15.76309681	1.86729E-05	0.000241865	0.000205244
2044 Aug	59.14624786	0.050949041	0.011148466	0.001217155	12.66157627	0.033962857	4.528287888	0.001217155	0.001217155	6.08578E-06	0.008727763	0.001351291	0.012404121	0.022040006	6.08578E-06	18.84358406	2.21491E-05	0.000288618	0.00024417
2044 Sep	55.4788475	0.050246455	0.010199914	0.001143742	12.01897621	0.033212401	4.310974598	0.001143742	0.001143742	5.71871E-06	0.008168426	0.001267805	0.011852058	0.020535871	5.71871E-06	17.66378403	2.00695E-05	0.000268284	0.000222404
2044 Oct	54.14780807	0.051843036	0.009769432	0.001114057	11.81242943	0.033025626	4.25707531	0.001114057	0.001114057	5.57029E-06	0.008013873	0.001234965	0.011598906	0.019970931	5.57029E-06	17.22462463	1.94409E-05	0.000259859	0.000213905
2044 Nov	54.30164337	0.052571788	0.009758637	0.001116756	11.86296558	0.033246044	4.279447556	0.001116756	0.001116756	5.58378E-06	0.008045237	0.00123797	0.011638334	0.020012679	5.58378E-06	17.27036858	1.94656E-05	0.000260184	0.000213856
2044 Dec	54.347435	0.052630976	0.009765881	0.001117686	11.8734026	0.033277314	4.283318996	0.001117686	0.001117686	5.58843E-06	0.00805224	0.001239001	0.011648313	0.02002917	5.58843E-06	17.28485107	1.94812E-05	0.000260393	0.00021402
2045 Jan	54.35195923	0.052639827	0.009766982	0.001117678	11.87479019	0.033277813	4.283820629	0.001117678	0.001117678	5.58839E-06	0.008052223	0.001239076	0.011648156	0.020031663	5.58839E-06	17.28683662	1.9481E-05	0.000260412	0.000214063
2045 Feb	54.35900497	0.05264587	0.00976909	0.001117692	11.87667084	0.03327756	4.284451962	0.001117692	0.001117692	5.58846E-06	0.008052233	0.001239204	0.011648061	0.020035554	5.58846E-06	17.28985596	1.94814E-05	0.000260446	0.000214133
2045 Mar	54.45729828	0.052740641	0.009787214	0.001119641	11.8983326	0.033335239	4.29224062	0.001119641	0.001119641	5.5982E-06	0.008066228	0.001241427	0.011668246	0.020072492	5.5982E-06	17.32154655	1.95155E-05	0.000260917	0.000214543
2045 Apr	54.80349731	0.053075682	0.009849698	0.001126718	11.97408009	0.033545725	4.319551468	0.001126718	0.001126718	5.63359E-06	0.008117182	0.001249309	0.01174192	0.020200502	5.63359E-06	17.43190765	1.96389E-05	0.000262576	0.00021592
2045 May	57.12452698	0.055323362	0.010266971	0.001174418	12.48124695	0.034965798	4.502501011	0.001174418	0.001174418	5.87209E-06	0.008460818	0.001302215	0.012238991	0.021056209	5.87209E-06	18.17028618	2.04703E-05	0.000273697	0.000225071
2045 Jun	51.06887817	0.045767561	0.009265084	0.001089695	10.86439705	0.030977713	3.902688503	0.001089695	0.001089695	5.44847E-06	0.007887302	0.00117171	0.011292874	0.018528147	5.44847E-06	16.00146103	1.97539E-05	0.000248997	0.000195092
2045 Jul	51.32883072	0.043582998	0.009357992	0.001121681	10.74223995	0.031095227	3.850728989	0.001121681	0.001121681	5.60841E-06	0.008123449	0.001184668	0.011567577	0.018453075	5.60841E-06	15.93671036	2.06907E-05	0.000252472	0.00019214
2045 Aug	56.2999115	0.047811583	0.010238538	0.001231589	11.80310631	0.034349117	4.231911182	0.001231589	0.001231589	6.15794E-06	0.008894145	0.001301065	0.012719309	0.020236935	6.15794E-06	17.4856205	2.25301E-05	0.000276448	0.00020997
2045 Sep	56.60678482	0.048991725	0.010214398	0.001237176	11.92044258	0.034933832	4.278671265	0.001237176	0.001237176	6.18588E-06	0.008926857	0.001307773	0.012835305	0.020318078	6.18588E-06	17.58649635	2.24013E-05	0.000277068	0.000209436
2045 Oct	57.4655838	0.050235655	0.010338446	0.001255092	12.11773777	0.035562627	4.35296154	0.001255092	0.001255092	6.27546E-06	0.009065549	0.0013271	0.01303053	0.020618012	6.27546E-06	17.85352898	2.27029E-05	0.000280905	0.000212181
2045 Nov	57.81106186	0.050552428	0.010399688	0.001262612	12.19107437	0.035779335	4.379407406	0.001262612	0.001262612	6.31306E-06	0.009120147	0.001335063	0.013108884	0.020741722	6.31306E-06	17.96086884	2.28383E-05	0.000282583	0.000213444
2045 Dec	57.88526154	0.050625391	0.010412538	0.001264219	12.20698643	0.035826854	4.385179996	0.001264219	0.001264219	6.3211E-06	0.009131905	0.001336769	0.013125717	0.02076821	6.3211E-06	17.98392677	2.2867E-05	0.00028294	0.000213711
2046 Jan	57.89954758	0.050640669	0.01041525	0.001264473	12.21024227	0.03583451	4.386352539	0.001264473	0.001264473	6.32236E-06	0.009133756	0.001337082	0.013128315	0.020773806	6.32236E-06	17.98867989	2.28715E-05	0.000283007	0.000213778

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Feb	57.91788864	0.050656777	0.010418975	0.001264801	12.21432114	0.035843521	4.387795448	0.001264801	0.001264801	6.324E-06	0.00913608	0.001337488	0.013131602	0.020781089	6.324E-06	17.9948101	2.28775E-05	0.000283097	0.000213868
2046 Mar	58.08111954	0.050799578	0.010448571	0.001268325	12.24885845	0.035943259	4.40019083	0.001268325	0.001268325	6.34163E-06	0.009161517	0.001341248	0.013168135	0.020840041	6.34163E-06	18.0457592	2.29413E-05	0.000283894	0.000214483
2046 Apr	58.78765869	0.051417563	0.010575809	0.001283731	12.39792919	0.036379758	4.453734398	0.001283731	0.001283731	6.41866E-06	0.009272784	0.001357558	0.013328046	0.021093776	6.41866E-06	18.2654171	2.322E-05	0.000287348	0.000217099
2046 May	61.22874832	0.053525258	0.01103354	0.001334305	12.91911697	0.037789397	4.639901638	0.001334305	0.001334305	6.67153E-06	0.00963654	0.001413235	0.013847646	0.021996761	6.67153E-06	19.03992462	2.41437E-05	0.000299309	0.000227014
2046 Jun	53.38631439	0.043515272	0.009791458	0.001181374	11.05547714	0.032158945	3.950991631	0.001181374	0.001181374	5.90687E-06	0.00855677	0.0012345	0.012179743	0.019079808	5.90687E-06	16.48654175	2.20468E-05	0.000264709	0.00019775
2046 Jul	47.36632156	0.036389541	0.008722451	0.001072999	9.651632309	0.028574066	3.443446636	0.001072999	0.001072999	5.36499E-06	0.007767501	0.001102886	0.011000848	0.016783059	5.36499E-06	14.49756432	2.02826E-05	0.000236566	0.000171793
2046 Aug	50.76740265	0.03903709	0.009325923	0.001150861	10.3646574	0.030838614	3.698986769	0.001150861	0.001150861	5.7543E-06	0.008308842	0.001183549	0.011813338	0.017989136	5.7543E-06	15.54555607	2.15854E-05	0.000253083	0.000183529
2046 Sep	49.25504303	0.039032727	0.008953399	0.001114185	10.12523842	0.030387353	3.619364262	0.001114185	0.001114185	5.57093E-06	0.008033996	0.001147597	0.011507314	0.01742667	5.57093E-06	15.09534264	2.06105E-05	0.000244418	0.00017627
2046 Oct	48.2471962	0.039859466	0.008673483	0.001087878	9.974468231	0.030069947	3.576596975	0.001087878	0.001087878	5.43939E-06	0.007873404	0.001122307	0.011265448	0.017050395	5.43939E-06	14.79199791	2.00449E-05	0.00023821	0.000171472
2046 Nov	48.30818558	0.040156189	0.00866979	0.001088721	9.99562645	0.030154087	3.58586049	0.001088721	0.001088721	5.44361E-06	0.007883932	0.001123451	0.011278719	0.017068965	5.44361E-06	14.81153584	2.00484E-05	0.000238328	0.000171508
2046 Dec	48.35415649	0.040201429	0.008677622	0.001089742	10.00538158	0.030184098	3.589408159	0.001089742	0.001089742	5.44871E-06	0.007891451	0.001124512	0.011289423	0.017085122	5.44871E-06	14.82565403	2.00669E-05	0.00023855	0.000171666
2047 Jan	48.361763	0.040210318	0.008679111	0.001089861	10.00718212	0.030187817	3.590056896	0.001089861	0.001089861	5.4493E-06	0.007892326	0.001124675	0.011290626	0.017088236	5.4493E-06	14.82827568	2.0069E-05	0.000238585	0.000171706
2047 Feb	48.37624741	0.040222596	0.008682072	0.001090123	10.01037312	0.030194856	3.591183424	0.001090123	0.001090123	5.45061E-06	0.007894185	0.001124996	0.011293242	0.01709397	5.45061E-06	14.8330965	2.00739E-05	0.000238656	0.000171777
2047 Mar	48.55022812	0.04036738	0.008713494	0.001094008	10.04648018	0.030302355	3.604127169	0.001094008	0.001094008	5.47004E-06	0.007922301	0.001129033	0.011333439	0.017155785	5.47004E-06	14.88665104	2.01454E-05	0.000239514	0.000172405
2047 Apr	48.7690239	0.040549371	0.008752875	0.001098918	10.09181499	0.030438287	3.62038517	0.001098918	0.001098918	5.49459E-06	0.007957845	0.001134116	0.011384273	0.017233292	5.49459E-06	14.95385742	2.02359E-05	0.000240594	0.000173188
2047 May	50.0598793	0.041548274	0.009069203	0.001114833	10.39236832	0.030780425	3.723535776	0.001114833	0.001114833	5.57417E-06	0.008065829	0.001160805	0.011524662	0.017818393	5.57417E-06	15.42708397	2.05653E-05	0.000247041	0.00018201
2047 Jun	49.40312195	0.040197469	0.009424244	0.00103224	10.40723801	0.027799239	3.701429367	0.00103224	0.00103224	5.1612E-06	0.00743239	0.00112808	0.010528413	0.0182597	5.1612E-06	15.6228466	1.93251E-05	0.00024471	0.000202211
2047 Jul	53.70130157	0.043440491	0.010243339	0.001125532	11.29487133	0.030259853	4.016989708	0.001125532	0.001125532	5.62766E-06	0.008101789	0.001227499	0.011472171	0.019829046	5.62766E-06	16.96529007	2.10847E-05	0.000266119	0.000219209
2047 Aug	57.86161804	0.046855345	0.011017888	0.001213509	12.18285179	0.03275707	4.333151817	0.001213509	0.001213509	6.06754E-06	0.008721724	0.00132332	0.012386445	0.021356845	6.06754E-06	18.28077507	2.26215E-05	0.000286491	0.000235575
2047 Sep	56.87120056	0.04681975	0.010753743	0.001192872	12.01855564	0.032588661	4.278921604	0.001192872	0.001192872	5.96436E-06	0.00856441	0.001300704	0.012230629	0.020955987	5.96436E-06	17.9673481	2.20186E-05	0.000280813	0.000229726
2047 Oct	55.65238953	0.047014251	0.01044406	0.001166093	11.79848194	0.032157715	4.20927	0.001166093	0.001166093	5.83047E-06	0.008394598	0.001271838	0.011979816	0.020479292	5.83047E-06	17.57824326	2.14655E-05	0.000273907	0.000223504
2047 Nov	55.55815125	0.047244951	0.010405853	0.001163804	11.78821659	0.03217255	4.207854271	0.001163804	0.001163804	5.81902E-06	0.008383941	0.001269427	0.011962458	0.020437468	5.81902E-06	17.54742813	2.14081E-05	0.000273213	0.00022279
2047 Dec	55.60375977	0.047290251	0.010413965	0.001164753	11.79809856	0.032200415	4.211428642	0.001164753	0.001164753	5.82377E-06	0.008390898	0.001270464	0.01197234	0.020454098	5.82377E-06	17.56181145	2.14252E-05	0.000273432	0.000222966
2048 Jan	55.62407303	0.047309846	0.01041785	0.001165136	11.80259609	0.032211415	4.213038921	0.001165136	0.001165136	5.82568E-06	0.008393674	0.001270916	0.011976256	0.020461902	5.82568E-06	17.56845665	2.14322E-05	0.00027353	0.000223057
2048 Feb	55.65786743	0.047338735	0.010424492	0.001165789	11.80992985	0.032229263	4.215641499	0.001165789	0.001165789	5.82895E-06	0.008398343	0.001271675	0.011982877	0.020474862	5.82895E-06	17.57945442	2.14443E-05	0.000273696	0.000223209
2048 Mar	55.66474152	0.047344659	0.010425948	0.001165904	11.81147575	0.032232307	4.216185093	0.001165904	0.001165904	5.82952E-06	0.008399148	0.001271825	0.011984002	0.020477677	5.82952E-06	17.58180237	2.14464E-05	0.00027373	0.00022346
2048 Apr	56.02800751	0.04765391	0.010494594	0.001173406	11.88887501	0.032439303	4.243782997	0.001173406	0.001173406	5.86703E-06	0.008453123	0.001280099	0.012060935	0.02061234	5.86703E-06	17.69717026	2.15845E-05	0.000275516	0.000224736
2048 May	57.63155365	0.049017884	0.010795273	0.001206933	12.22930145	0.033365965	4.365283966	0.001206933	0.001206933	6.03467E-06	0.00869462	0.001316722	0.01240546	0.021202808	6.03467E-06	18.20399857	2.22013E-05	0.000283401	0.000231185
2048 Jun	52.69324493	0.043258738	0.009896088	0.001122318	11.05008602	0.030440386	3.937494993	0.001122318	0.001122318	5.61159E-06	0.008103604	0.001207495	0.011513717	0.019241143	5.61159E-06	16.52901268	2.09591E-05	0.00026097	0.000208192
2048 Jul	49.69470596	0.039441351	0.009343508	0.001075522	10.31932735	0.028790811	3.673928738	0.001075522	0.001075522	5.37761E-06	0.007765208	0.001143834	0.011000453	0.018038426	5.37761E-06	15.49743271	2.02437E-05	0.000247182	0.000193517
2048 Aug	51.38299179	0.040820424	0.00963175	0.001113474	10.69142818	0.030028129	3.80766964	0.001113474	0.001113474	5.56737E-06	0.008014094	0.001184413	0.011408018	0.01864602	5.56737E-06	16.02863884	2.07637E-05	0.000255067	0.000199222
2048 Sep	51.06972885	0.041075371	0.0095275	0.00110627	10.65540504	0.030075176	3.797537804	0.00110627	0.00110627	5.53135E-06	0.007957428	0.001177065	0.011367103	0.01851454	5.53135E-06	15.9331131	2.04974E-05	0.000253015	0.000197012
2048 Oct	50.26899338	0.041201893	0.009329244	0.001087776	10.51360893	0.029764585	3.752471447	0.001087776	0.001087776	5.43888E-06	0.007838497	0.001157883	0.011191903	0.01821002	5.43888E-06	15.68290234	2.01166E-05	0.000248475	0.000193199
2048 Nov	50.28189468	0.041505851	0.00931303	0.001087617	10.52592945	0.029833511	3.758945942	0.001087617	0.001087617	5.43809E-06	0.007842731	0.001157903	0.011195927	0.018209277	5.43809E-06	15.68677616	2.00992E-05	0.000248321	0.000192973
2048 Dec	50.31206512	0.04153594	0.009318289	0.001088262	10.53241634	0.029852495	3.761298895	0.001088262	0.001088262	5.44131E-06	0.007847476	0.001158593	0.011202665	0.018220108	5.44131E-06	15.69618702	2.01108E-05	0.000248466	0.000193084
2049 Jan	50.31920624	0.041543741	0.009319684	0.001088381	10.53406811	0.029856086	3.761892796	0.001088381	0.001088381	5.44191E-06	0.007848347	0.001158748	0.011203871	0.018222976	5.44191E-06	15.6986084	2.0113E-05	0.0002485	0.00019312
2049 Feb	50.32552719	0.041549154	0.009321102	0.001088473	10.53552723	0.029858461	3.762401581	0.001088473	0.001088473	5.44237E-06	0.007848984	0.001158883	0.011204749	0.018225692	5.44237E-06	15.70084286	2.01147E-05	0.000248531	0.000193158
2049 Mar	50.3793869	0.041593719	0.009331212	0.001089614	10.54687595	0.029889664	3.766448021	0.001089614	0.001089614	5.44807E-06	0.007857194	0.001160117	0.011216451	0.018245429	5.44807E-06	15.71778965	2.01358E-05	0.000248797	0.000193372
2049 Apr	50.65510559	0.041821413	0.009382357	0.001095563	10.60463905	0.030052811	3.787072182	0.001095563	0.001095563	5.47782E-06	0.007900084	0.001166463	0.011277672	0.018345416	5.47782E-06	15.80389214	2.02458E-05	0.000250158	0.000194435
2049 May	51.84632874	0.042801138	0.009607387	0.001120644	10.85574913	0.03073547	3.876509666	0.001120644	0.001120644	5.60322E-06	0.008080557	0.001193721	0.011534525	0.018783521	5.60322E-06	16.17955208	2.07112E-05	0.000256045	0.000199227
2049 Jun	47.94319153	0.03834071	0.008929917	0.001047044	9.945152283	0.028225575	3.544576406	0.001047044	0.001047044	5.23522E-06	0.007562853	0.001105614	0.010751941	0.017294027	5.23522E-06	14.89410496	1.96123E-05	0.000238259	0.000183008
2049 Jul	46.69502258	0.036681559	0.008701897	0.001027862	9.641313553	0.027556507	3.435469151	0.001027862	0.001027862	5.13931E-06	0.007419053	0.001079749	0.010533337	0.016801158	5.13931E-06	14.4673624	1.92991E-05	0.000232411	0.000176995
2049 Aug	50.02207184	0.039285477	0.009314974	0.001101613	10.33336735	0.029590914	3.682677507	0.001101613	0.001101613	5.50807E-06	0.007943836	0.001157355	0.011290292	0.017999435	5.50807E-06	15.49986553	2.06305E-05	0.000248799	0.000189416
2049 Sep	49.68048477	0.039589278	0.009207971	0.001093242	10.28986073	0.029578157	3.670633078	0.001093242	0.001093242	5.46621E-06	0.007885244	0.001149076	0.011229303	0.017862726	5.46621E-06	15.39641953	2.03804E-05	0.0002466	0.000187328
2049 Oct	48.99978638	0.039789096	0.009035622	0.001076981	10.17389584	0.029323712	3.634461164	0.001076981	0.001076981	5.3849E-06	0.007781262	0.001132593	0.011076521	0.017605921	5.3849E-06	15.18618584	2.00396E-05	0.000242667	0.000184114
2049 Nov	49.06009674	0.039965838	0.009038792	0.001078086	10.19072437	0.029385766	3.641365528	0.001078086	0.001078086	5.39043E-06	0.007791537	0.00113386	0.01109034	0.017625516	5.39043E-06	15.20500088	2.00537E-05	0.000242871	0.00018423
2049 Dec	49.09254837	0.039996214	0.009044526	0.001078792	10.19759846	0.029406006	3.643849373	0.001078792	0.001078792	5.39396E-06	0.007796713	0.001134606	0.011097683	0.017637113	5.39396E-06	15.2150631	2.00666E-05	0.000243028	0.000184348
2050 Jan	49.10266113	0.040005915	0.009046446	0.001078986	10.19982052	0.029411558	3.644646168	0.001078986	0.001078986	5.39493E-06	0.007798128	0.001134832	0.01109967	0.017640965	5.39493E-06	15.21834755	2.00702E-05	0.000243077	0.000184392
2050 Feb	49.10763168	0.040010136	0.00904755	0.001079061	10.20095921	0.029413484	3.64504385	0.001079061	0.001079061	5.39531E-06	0.007798648	0.001134939	0.011100386	0.017643079	5.39531E-06	15.22009277	2.00716E-05	0.000243102	0.000184422
2050 Mar	49.11753464	0.040018294	0.009049478	0.00107926	10.2030735	0.029418841	3.645794153	0.00107926	0.00107926	5.3963E-06	0.007800073	0.001135163	0.011102403	0.017646816	5.3963E-06	15.22327137	2.00753E-05	0.000243151	0.000184464
2050 Apr	49.29777527	0.040165197	0.009082745	0.00108321	10.24054718	0.029526468	3.659181833	0.00108321	0.00108321	5.41605E-06	0.007828612	0.001139326	0.011143017	0.017711675	5.41605E-06	15.27919769	2.01488E-05	0.000244043	0.000185145
2050 May	50.17132187	0.040875237	0.009246138	0.001102016	10.42301655	0.030036226	3.724249601	0.001102016	0.001102016	5.51008E-06	0.007964309	0.001159416	0.011335748	0.018029302	5.51008E-06	15.55222225	2.04997E-05	0.000248369	0.000188549
2050 Jun	48.32358932	0.038565803	0.008989533	0.001059256	10.00453663	0.028504029	3.567492247	0.001059256	0.001059256	5.29628E-06	0.007658066	0.001115565	0.010864458	0.017404461	5.29628E-06	14.98964596	1.98876E-05	0.000240186	0.000183661
2050 Jul	46.35056686	0.036419328	0.008623406	0.001023041	9.561956406	0.027438788	3.409850359	0.001023041	0.001023041	5.1152E-06	0.00738595	0.001073133	0.010469607	0.016664743	5.1152E-06	14.34810066	1.92097E-05	0.000230504	0.000175117
2050 Aug	48.21307755	0.037827421	0.008963116	0.001065145	9.950457573	0.028630883	3.549677849	0.001065145	0.001065145	5.32572E-06	0.007679367	0.00111751	0.01089379	0.017340112	5.32572E-06	14.9269228	1.9935E-05	0.000239498	0.000181987
2050 Sep	48.2961731	0.038213059	0.008952932	0.001066507	9.984272957	0.028799029	3.56354332	0.001066507	0.001066507	5.33254E-06	0.007688602	0.001119247	0.010924352	0.017361498	5.33254E-06	14.95442867	1.98963E-05	0.000239619	0.000181805
2050 Oct	48.75109482	0.038718499	0.009028243	0.001076295	10.08324337	0.029099649	3.599877119	0.001076295	0.001076295	5.38147E-06	0.007761767	0.001129641	0.011027446	0.017522685	5.38147E-06	15.09545803	2.00715E-05	0.000241768	0.000183392
2050 Nov	48.97012329	0.03889652	0.009068553	0.001081123	10.12868309	0.029231209	3.616127968	0.001081123	0.001081123	5.40562E-06	0.00779666	0.001134712	0.011076996	0.017601347	5.40562E-06	15.1632843	2.01614E-05	0.000242851	0.000184212
2050 Dec	48.99777985	0.038920619	0.009073543	0.00108173	10.13447571	0.029248146	3.618210554	0.00108173	0.00108173	5.40865E-06	0.007801074	0.001135351	0.011083255	0.017611252	5.40865E-06	15.1718502	2.01726E-05	0.000242986	0.000184314
2051 Jan	49.00730133	0.038928989	0.009075334	0.001081925	10.1365118	0.029253567	3.618939161	0.001081925	0.001081925	5.40963E-06	0.007802488	0.001135567	0.011085249	0.017614791	5.40963E-06	15.17488003	2.01762E-05	0.000243033	0.000184354
2051 Feb	49.01403427	0.038934451	0.009076681	0.001082056	10.13796234	0.029257031	3.619452	0.001082056	0.001082056	5.41028E-06	0.007803416	0.001135719	0.011086557	0.017617388	5.41028E-06	15.17707253	2.01786E-05	0.000243066	0.000184385
2051 Mar	49.04277039	0.038957335	0.009082056	0.00108268	10.14393616	0.029273879	3.62158227	0.00108268	0.00108268	5.4134E-06	0.007807913	0.001136382	0.011092938	0.017627809	5.4134E-06	15.18602943	2.01903E-05	0.000243209	0.000184496
2051 Apr	49.28738403	0.03915168	0.009127386	0.001088074	10.19454956	0.029419716	3.639650822	0.001088074	0.001088074	5.44037E-06	0.007846812	0.001142049	0.011148199	0.017715788	5.44037E-06	15.26180744	2.02909E-05	0.000244422	0.000185418
2051 May	50.30321121	0.039952938	0.009329534	0.001108227	10.41068935	0.029948402	3.716062069	0.001108227	0.001108227	5.54114E-06	0.007990911	0.001165005	0.011350543	0.018102832	5.54114E-06	15.58964443	2.06727E-05	0.000249468	0.000189957
2051 Jun	47.10287857	0.03665591	0.008903326	0.0010209	9.755930901	0.02714612	3.470776558	0.0010209	0.0010209	5.1045E-06	0.007356716	0.001085941	0.010401686	0.017128011	5.1045E-06	14.69303989	1.92543E-05	0.000234551	0.0001844
2051 Jul	47.22621918	0.036463376	0.008928191	0.001027306	9.759683609	0.027239602	3.471488714	0.001027306	0.001027306	5.13653E-06	0.007402668	0.001089907	0.010460134	0.017149277	5.13653E-06	14.71173096	1.94066E-05	0.000235384	0.000184252
2051 Aug	48.07637787	0.03713062	0.009070409	0.00104687	9.948711395	0.027901009	3.53986311	0.00104687	0.00104687	5.23435E-06	0.007526741	0.00111085	0.010668094	0.017456776	5.23435E-06	14.97985363	1.96491E-05	0.000239253	0.000187034
2051 Sep	47.09340286	0.036989499	0.008840927	0.001024627	9.770379066	0.027504681	3.480442524	0.001024627	0.001024627	5.12313E-06	0.007372903	0.001087663	0.010462097	0.017085459	5.12313E-06	14.67434883	1.91615E-05	0.00023386	0.000182444
2051 Oct	44.68196106	0.03649408	0.008299538	0.000970008	9.316506386	0.02638937	3.32859993	0.000970008	0.000970008	4.85004E-06	0.007005088	0.001030621	0.009932219	0.01618485	4.85004E-06	13.92261887	1.80685E-05	0.000220848	0.00017179
2051 Nov	44.69761658	0.036663741	0.008292498	0.000970107	9.324977875	0.026431488	3.332724333	0.000970107	0.000970107	4.85053E-06	0.007008632	0.001030831	0.009936353	0.016187632	4.85053E-06	13.92746067	1.80623E-05	0.000220809	0.000171703
2051 Dec	44.71829987	0.03668315	0.00829618	0.000970552	9.32937336	0.02644423	3.334312439	0.000970552	0.000970552	4.85276E-06	0.007011892	0.001031305	0.00994096	0.016195077	4.85276E-06	13.93390369	1.80705E-05	0.000220909	0.00017178
2052 Jan	44.72136688	0.036686566	0.008296782	0.000970602	9.330088615	0.026445743	3.334569454	0.000970602	0.000970602	4.85301E-06	0.007012257	0.001031371	0.009941463	0.016196322	4.85301E-06	13.93494987	1.80714E-05	0.000220924	0.000171796
2052 Feb	44.73307419	0.036696266	0.008299071	0.000970834	9.332595825	0.026452014	3.335459948	0.000970834	0.000970834	4.85417E-06	0.007013926	0.001031636	0.009943815	0.016200764	4.85417E-06	13.93872452	1.80757E-05	0.000220982	0.000171847
2052 Mar	44.78351974	0.036737703	0.008308494	0.000971918	9.343155861	0.026481494	3.339231014	0.000971918	0.000971918	4.85959E-06	0.007021746	0.001032797	0.009954893	0.016219143	4.85959E-06	13.95451164	1.80959E-05	0.000221231	0.000172045
2052 Apr	44.89125824	0.036826111	0.008328516	0.00097425	9.365652084	0.026545001	3.347269297	0.00097425	0.00097425	4.87125E-06	0.007038587	0.00103528	0.009978766	0.016258221	4.87125E-06	13.98811817	1.81393E-05	0.000221763	0.00017246
2052 May	45.49875641	0.037304692	0.008466173	0.00098351	9.502505302	0.02676749	3.394797325	0.00098351	0.00098351	4.91755E-06	0.007103229	0.001048291	0.010066237	0.016516402	4.91755E-06	14.20044041	1.83226E-05	0.000224787	0.000176048
2052 Jun	45.62186432	0.037139446	0.008585276	0.000973865	9.549667358	0.026321623	3.405615807	0.000973865	0.000973865	4.86932E-06	0.007027394	0.001047833	0.00993763	0.016685175	4.86932E-06	14.31039143	1.82219E-05	0.000225714	0.0001808
2052 Jul	46.74990845	0.037881162	0.008790765	0.001000458	9.783650398	0.027090784	3.490929127	0.001000458	0.001000458	5.00229E-06	0.007205355	0.001075922	0.010192524	0.017101699	5.00229E-06	14.66179848	1.86483E-05	0.000230976	0.000184944
2052 Aug	47.93109131	0.038825914	0.009004306	0.001026421	10.03648186	0.027860165	3.58179307	0.001026421	0.001026421	5.1321E-06	0.007383663	0.001103881	0.010459309	0.017533768	5.1321E-06	15.033535	1.90704E-05	0.000236622	0.000189359
2052 Sep	47.85791779	0.039022595	0.008969345	0.001024652	10.03358746	0.027915075	3.582259655	0.001024652	0.001024652	5.12326E-06	0.007370989	0.001102074	0.010454449	0.017498488	5.12326E-06	15.01079273	1.89889E-05	0.000236034	0.000188628
2052 Oct	47.905056	0.039282143	0.008963908	0.001025369	10.05062008	0.027990025	3.589896917	0.001025369	0.001025369	5.12684E-06	0.007380224	0.001102952	0.010466281	0.017511116	5.12684E-06	15.02519894	1.89912E-05	0.000236104	0.000188591
2052 Nov	48.0633316	0.039416276	0.008993243	0.001028751	10.08396626	0.028083434	3.60183835	0.001028751	0.001028751	5.14375E-06	0.007404646	0.001106592	0.01050089	0.017568879	5.14375E-06	15.07483292	1.90536E-05	0.000236881	0.00018921
2052 Dec	48.08578491	0.039436378	0.008997335	0.001029229	10.08873272	0.028096916	3.60355258	0.001029229	0.001029229	5.14615E-06	0.007408121	0.001107108	0.010505808	0.017577052	5.14615E-06	15.08187389	1.90624E-05	0.000236991	0.000189297

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Jan	48.09384537	0.039443605	0.008998864	0.00102939	10.09047318	0.028101427	3.604175568	0.00102939	0.00102939	5.14695E-06	0.007409286	0.00110729	0.01050745	0.017580085	5.14695E-06	15.08446217	1.90653E-05	0.00023703	0.000189331
2053 Feb	48.1141243	0.039460301	0.009002736	0.00102981	10.09477139	0.02811284	3.605706692	0.00102981	0.00102981	5.14905E-06	0.0074123	0.001107753	0.010511713	0.017587632	5.14905E-06	15.09090519	1.90731E-05	0.00023713	0.000189415
2053 Mar	48.18607712	0.039519351	0.009016242	0.001031343	10.10989094	0.028154643	3.611105204	0.001031343	0.001031343	5.15671E-06	0.007423325	0.001109408	0.010527342	0.017614007	5.15671E-06	15.11351871	1.91015E-05	0.000237484	0.000189701
2053 Apr	48.40969849	0.039702773	0.009058109	0.001036125	10.15682316	0.028285168	3.62786746	0.001036125	0.001036125	5.18062E-06	0.00745774	0.001114556	0.010576146	0.017695792	5.18062E-06	15.18368435	1.91901E-05	0.000238586	0.000190582
2053 May	49.25101852	0.040340085	0.009280642	0.001043943	10.35918903	0.028418263	3.696503639	0.001043943	0.001043943	5.21971E-06	0.00750826	0.001131296	0.010636606	0.018101977	5.21971E-06	15.50706673	1.93649E-05	0.000242805	0.00019715
2053 Jun	47.66763687	0.038795121	0.00914113	0.000987335	10.0777998	0.026634576	3.586801291	0.000987335	0.000987335	4.93668E-06	0.007088952	0.001088861	0.010011097	0.017745884	4.93668E-06	15.14252186	1.84144E-05	0.000235324	0.000198401
2053 Jul	49.21271133	0.039979871	0.009441144	0.001019704	10.40083122	0.027486706	3.701525927	0.001019704	0.001019704	5.09852E-06	0.007320651	0.00112434	0.010335869	0.018321449	5.09852E-06	15.63206673	1.90254E-05	0.000242993	0.000204861
2053 Aug	51.66689682	0.041974906	0.009907403	0.00107087	10.92226315	0.028898003	3.887325048	0.00107087	0.00107087	5.35435E-06	0.007684239	0.00118071	0.01085702	0.019233834	5.35435E-06	16.41183853	1.99515E-05	0.000255034	0.000214929
2053 Sep	53.30796051	0.043327648	0.010219377	0.001104924	11.27086258	0.029832598	4.011460304	0.001104924	0.001104924	5.52462E-06	0.007927702	0.001218233	0.011204884	0.0198432	5.52462E-06	16.93309212	2.05751E-05	0.000263109	0.000221677
2053 Oct	53.71806335	0.043714866	0.010294355	0.001113379	11.35924149	0.030074567	4.04330492	0.001113379	0.001113379	5.5669E-06	0.007989376	0.001227561	0.011291779	0.019994479	5.5669E-06	17.06311417	2.07298E-05	0.000265093	0.00022332
2053 Nov	53.68977356	0.043751806	0.010284886	0.001112743	11.3551178	0.030072594	4.04227066	0.001112743	0.001112743	5.56372E-06	0.007985931	0.001226866	0.011286602	0.019982416	5.56372E-06	17.05385208	2.07149E-05	0.00026491	0.000223132
2053 Dec	53.70225906	0.043764327	0.010287118	0.001113	11.357831	0.030080128	4.043252945	0.001113	0.001113	5.565E-06	0.007987818	0.00122715	0.011289258	0.019987	5.565E-06	17.05780602	2.07196E-05	0.00026497	0.000223182
2054 Jan	53.70729446	0.043769311	0.010288105	0.00111309	11.35896301	0.03008271	4.043658733	0.00111309	0.00111309	5.56545E-06	0.007988469	0.001227261	0.011290163	0.019988988	5.56545E-06	17.05948448	2.07212E-05	0.000264994	0.000223206
2054 Feb	53.71855545	0.043778591	0.010290366	0.001113305	11.36140347	0.030088441	4.044522285	0.001113305	0.001113305	5.56652E-06	0.007989996	0.001227513	0.011292308	0.019993359	5.56652E-06	17.0631752	2.07252E-05	0.000265049	0.000223258
2054 Mar	53.72401047	0.043783087	0.010291466	0.001113407	11.36258793	0.030091181	4.044940948	0.001113407	0.001113407	5.56704E-06	0.007990727	0.001227635	0.011293333	0.019995485	5.56704E-06	17.0649662	2.07272E-05	0.000265076	0.000223284
2054 Apr	53.93971634	0.04395891	0.010332819	0.001117872	11.40822792	0.030211819	4.06118679	0.001117872	0.001117872	5.58936E-06	0.008022764	0.001232563	0.011338606	0.020075822	5.58936E-06	17.13351631	2.08103E-05	0.00026614	0.000224182
2054 May	54.73484802	0.044594627	0.010500837	0.001131889	11.58265209	0.030570656	4.122408867	0.001131889	0.001131889	5.65944E-06	0.008121934	0.001250096	0.011475964	0.020395577	5.65944E-06	17.40045547	2.10787E-05	0.00027081	0.000228273
2054 Jun	52.59296417	0.042567875	0.010226728	0.001068831	11.16692066	0.028626572	3.966295242	0.001068831	0.001068831	5.34415E-06	0.007660157	0.001196169	0.010792448	0.019783353	5.34415E-06	16.82822037	2.00086E-05	0.000259877	0.000225671
2054 Jul	52.10474777	0.041975744	0.010143432	0.001059111	11.06147003	0.028352335	3.929024458	0.001059111	0.001059111	5.29556E-06	0.007581261	0.001186082	0.010677102	0.019618569	5.29556E-06	16.67864418	1.98035E-05	0.000257351	0.00022397
2054 Aug	52.8551712	0.042601936	0.01027815	0.001074821	11.22953701	0.028859667	3.989115715	0.001074821	0.001074821	5.37411E-06	0.007684164	0.001203753	0.010844341	0.019898722	5.37411E-06	16.92084885	2.00219E-05	0.000260868	0.000226858
2054 Sep	53.16087341	0.042967297	0.010325363	0.001080842	11.30407333	0.029098056	4.016038895	0.001080842	0.001080842	5.40421E-06	0.007723451	0.00121071	0.010916632	0.020009657	5.40421E-06	17.02061462	2.0084E-05	0.000262237	0.000227892
2054 Oct	52.79870224	0.042947553	0.010240419	0.001072573	11.23775673	0.02894331	3.994287014	0.001072573	0.001072573	5.36286E-06	0.007668636	0.001202101	0.010837529	0.019873269	5.36286E-06	16.90764999	1.99151E-05	0.00026024	0.000226234
2054 Nov	52.69286728	0.042967871	0.010214806	0.001069962	11.21975327	0.028899143	3.988565445	0.001069962	0.001069962	5.34981E-06	0.007651508	0.001199528	0.010812657	0.019834498	5.34981E-06	16.87559319	1.98605E-05	0.000259635	0.000225773
2054 Dec	52.72360229	0.042994965	0.010220625	0.001070585	11.22635841	0.028916487	3.990928173	0.001070585	0.001070585	5.35293E-06	0.007656002	0.001200226	0.010818997	0.019846011	5.35293E-06	16.88542366	1.98719E-05	0.000259785	0.000225902
2055 Jan	52.72710419	0.042998578	0.010221319	0.001070644	11.22716045	0.028918218	3.991215467	0.001070644	0.001070644	5.35322E-06	0.00765643	0.001200302	0.01081959	0.019847419	5.35322E-06	16.88660812	1.9873E-05	0.000259802	0.000225919
2055 Feb	52.72979355	0.043000855	0.010221926	0.001070683	11.2277813	0.028919209	3.991431952	0.001070683	0.001070683	5.35341E-06	0.007656698	0.00120036	0.010819956	0.01984858	5.35341E-06	16.8875618	1.98737E-05	0.000259815	0.000225936
2055 Mar	52.75003052	0.043017406	0.010225898	0.001071085	11.23211765	0.028930046	3.992970943	0.001071085	0.001071085	5.35543E-06	0.00765957	0.001200818	0.010824008	0.01985628	5.35543E-06	16.89409447	1.98812E-05	0.000259915	0.000226025
2055 Apr	52.90908813	0.043147143	0.010256757	0.00107431	11.26599979	0.029017124	4.005014896	0.00107431	0.00107431	5.37155E-06	0.007682626	0.001204438	0.010856587	0.019916197	5.37155E-06	16.94506454	1.99411E-05	0.000260698	0.000226708
2055 May	53.59677887	0.043707959	0.010390083	0.001088271	11.41243744	0.029394213	4.057072163	0.001088271	0.001088271	5.44136E-06	0.007782466	0.001220092	0.010997673	0.020175081	5.44136E-06	17.16532135	2.02002E-05	0.000264087	0.000229655
2055 Jun	50.94774628	0.041031938	0.009902619	0.001037788	10.81287098	0.027821539	3.840724468	0.001037788	0.001037788	5.18894E-06	0.007426276	0.001160242	0.010475387	0.019158157	5.18894E-06	16.29589081	1.93732E-05	0.00025165	0.000218168
2055 Jul	50.97428894	0.040802233	0.009918443	0.001039953	10.80478573	0.027807787	3.836967707	0.001039953	0.001039953	5.19976E-06	0.007439874	0.001161513	0.010487421	0.019164722	5.19976E-06	16.29743195	1.94395E-05	0.000251941	0.000218252
2055 Aug	52.8936882	0.042324193	0.01028697	0.001079652	11.2140522	0.028904824	3.982808352	0.001079652	0.001079652	5.39826E-06	0.007719016	0.001205779	0.010887618	0.019886255	5.39826E-06	16.91126823	2.01478E-05	0.000261313	0.000226312
2055 Sep	53.01733017	0.04255816	0.01029568	0.001082368	11.24874306	0.029056761	3.995811462	0.001082368	0.001082368	5.41184E-06	0.007735762	0.001208656	0.010927252	0.019924192	5.41184E-06	16.95002174	2.01506E-05	0.00026178	0.000226428
2055 Oct	53.29396057	0.042876322	0.010342787	0.001087958	11.31034279	0.02923123	4.018395424	0.001087958	0.001087958	5.43979E-06	0.007777532	0.001214889	0.010985777	0.020025469	5.43979E-06	17.03788567	2.02498E-05	0.000263076	0.000227491
2055 Nov	53.41172028	0.042996511	0.010363891	0.001090346	11.33610439	0.029301872	4.027733326	0.001090346	0.001090346	5.45173E-06	0.00779509	0.001217554	0.01101045	0.020069007	5.45173E-06	17.07537842	2.0293E-05	0.000263639	0.000227962
2055 Dec	53.42834091	0.043013163	0.01036689	0.001090684	11.33973026	0.029311771	4.029045582	0.001090684	0.001090684	5.45342E-06	0.007797564	0.00121793	0.011013927	0.020075161	5.45342E-06	17.08067131	2.02991E-05	0.000263718	0.000228029
2056 Jan	53.43755722	0.04302163	0.010368701	0.001090855	11.34176445	0.029316559	4.029771328	0.001090855	0.001090855	5.45427E-06	0.007798797	0.001218136	0.011015652	0.020078748	5.45427E-06	17.08370781	2.03022E-05	0.000263763	0.000228072
2056 Feb	53.44563293	0.043028265	0.010370386	0.001090998	11.34354687	0.029320324	4.030398369	0.001090998	0.001090998	5.45499E-06	0.007799805	0.001218314	0.01101706	0.020081991	5.45499E-06	17.08641815	2.03049E-05	0.000263803	0.000228113
2056 Mar	53.47451782	0.043051597	0.010376056	0.001091576	11.34971523	0.02933581	4.032587051	0.001091576	0.001091576	5.45788E-06	0.007803928	0.00121897	0.011022875	0.020092957	5.45788E-06	17.09572411	2.03157E-05	0.000263945	0.00022824
2056 Apr	53.67208481	0.043210696	0.010414427	0.001095602	11.39166832	0.02944399	4.04749155	0.001095602	0.001095602	5.47801E-06	0.007832708	0.001223472	0.011063521	0.020167256	5.47801E-06	17.15892601	2.03906E-05	0.00026492	0.000229085
2056 May	54.48194885	0.043840721	0.010608434	0.001106267	11.578722	0.029684331	4.111948013	0.001106267	0.001106267	5.53133E-06	0.007905469	0.001240417	0.011159611	0.020528128	5.53133E-06	17.45205116	2.06062E-05	0.000268952	0.000234405
2056 Jun	52.79317093	0.042294282	0.010424687	0.001050336	11.27083015	0.027968984	3.994414568	0.001050336	0.001050336	5.25168E-06	0.007492857	0.001196348	0.010548388	0.020103563	5.25168E-06	17.03734589	1.96478E-05	0.000260854	0.000234195
2056 Jul	54.88093948	0.043883014	0.010836451	0.001092837	11.71363068	0.029102845	4.151690483	0.001092837	0.001092837	5.46419E-06	0.00779237	0.001244329	0.010969856	0.020898251	5.46419E-06	17.70893288	2.04289E-05	0.000271115	0.000243345
2056 Aug	56.37251663	0.045046348	0.011122444	0.001123563	12.0355835	0.029980233	4.266735077	0.001123563	0.001123563	5.61782E-06	0.00800324	0.001279107	0.01127723	0.021465853	5.61782E-06	18.19009399	2.09466E-05	0.000278283	0.000249679
2056 Sep	57.60762405	0.04613927	0.01135723	0.001148226	12.30330181	0.030675296	4.362367153	0.001148226	0.001148226	5.74113E-06	0.008179816	0.001307098	0.011529223	0.021931667	5.74113E-06	18.58770752	2.1392E-05	0.000284294	0.000254949
2056 Oct	57.06143188	0.045971915	0.011230418	0.001137271	12.19453907	0.030451614	4.325805187	0.001137271	0.001137271	5.68635E-06	0.008106966	0.00129452	0.011425296	0.02171525	5.68635E-06	18.40927696	2.11742E-05	0.000281402	0.00025217
2056 Nov	57.04935074	0.0460256	0.011223548	0.001137014	12.19380951	0.030460937	4.326015949	0.001137014	0.001137014	5.68507E-06	0.008106355	0.001294202	0.011424141	0.02170866	5.68507E-06	18.40486336	2.11662E-05	0.000281296	0.000252031
2056 Dec	57.0720253	0.046046067	0.011227856	0.001137465	12.19871998	0.030473584	4.327774048	0.001137465	0.001137465	5.68733E-06	0.008109614	0.001294715	0.011428726	0.021717222	5.68733E-06	18.41216087	2.11745E-05	0.000281406	0.000252128
2057 Jan	57.08167648	0.046054665	0.011229767	0.001137646	12.20084095	0.030478556	4.328528881	0.001137646	0.001137646	5.68823E-06	0.008110906	0.001294931	0.011430533	0.021720983	5.68823E-06	18.41533852	2.11778E-05	0.000281453	0.000252174
2057 Feb	57.08830643	0.046060115	0.01123116	0.001137762	12.20230865	0.030481605	4.329045296	0.001137762	0.001137762	5.68881E-06	0.008111722	0.001295077	0.011431671	0.021723662	5.68881E-06	18.41757393	2.118E-05	0.000281486	0.000252208
2057 Mar	57.14450836	0.046105511	0.011242264	0.001138873	12.21434879	0.03051134	4.333314419	0.001138873	0.001138873	5.69436E-06	0.008119638	0.00129635	0.011442821	0.021745129	5.69436E-06	18.43577668	2.12007E-05	0.000281763	0.000252459
2057 Apr	57.36840057	0.046286188	0.011286339	0.00114333	12.26221943	0.03063073	4.350296497	0.00114333	0.00114333	5.71665E-06	0.008151411	0.001301428	0.011487594	0.021830374	5.71665E-06	18.50801659	2.12836E-05	0.000282867	0.00025345
2057 May	58.37096786	0.04708888	0.011492374	0.001161928	12.47999477	0.031117201	4.427069664	0.001161928	0.001161928	5.80964E-06	0.008283215	0.001323808	0.011671676	0.022225153	5.80964E-06	18.83947945	2.16344E-05	0.000287821	0.000258319
2057 Jun	55.88105774	0.044680092	0.011101221	0.001101642	11.95727634	0.029259661	4.235042572	0.001101642	0.001101642	5.50821E-06	0.007848484	0.001264316	0.01103175	0.021388907	5.50821E-06	18.09736252	2.06224E-05	0.000276032	0.000251323
2057 Jul	57.30405807	0.045689683	0.011387139	0.001130865	12.25412273	0.030004144	4.339863777	0.001130865	0.001130865	5.65433E-06	0.008055611	0.001296969	0.011319976	0.021928947	5.65433E-06	18.55290794	2.11795E-05	0.000283133	0.000257602
2057 Aug	61.12371063	0.048731323	0.01214365	0.001206496	13.07204914	0.032027401	4.629742146	0.001206496	0.001206496	6.03248E-06	0.00859228	0.001383639	0.012077533	0.023390042	6.03248E-06	19.7894516	2.25807E-05	0.000301957	0.000274688
2057 Sep	62.1934433	0.049671978	0.012347968	0.001227704	13.30458927	0.032626312	4.712674618	0.001227704	0.001227704	6.13852E-06	0.008743486	0.001407851	0.012294631	0.023794893	6.13852E-06	20.13488388	2.2961E-05	0.000307165	0.000279294
2057 Oct	62.15069962	0.049784027	0.012328999	0.001226843	13.29967117	0.032641001	4.712024212	0.001226843	0.001226843	6.13422E-06	0.008740166	0.001406789	0.012289345	0.023773763	6.13422E-06	20.11974525	2.29373E-05	0.000306847	0.0002789
2057 Nov	62.30926895	0.049930755	0.012359042	0.001229971	13.3341732	0.032729283	4.724394798	0.001229971	0.001229971	6.14986E-06	0.008762828	0.001410365	0.012321126	0.023833774	6.14986E-06	20.17090225	2.29948E-05	0.000307616	0.000279584
2057 Dec	62.33874512	0.049956366	0.012364746	0.001230553	13.34053802	0.032745272	4.726665497	0.001230553	0.001230553	6.15276E-06	0.00876701	0.001411031	0.012326999	0.023844985	6.15276E-06	20.18042755	2.30056E-05	0.00030776	0.000279713
2058 Jan	62.34106445	0.04995897	0.012365215	0.001230588	13.34108829	0.032746337	4.726862431	0.001230588	0.001230588	6.15294E-06	0.008767264	0.001411081	0.012327345	0.02384595	6.15294E-06	20.18123627	2.30062E-05	0.000307771	0.000279726
2058 Feb	62.34516907	0.04996236	0.012366108	0.001230654	13.34201145	0.032748051	4.727185726	0.001230654	0.001230654	6.15327E-06	0.008767728	0.00141117	0.012327985	0.023847658	6.15327E-06	20.18264961	2.30074E-05	0.000307791	0.000279749
2058 Mar	62.36469269	0.049978063	0.012370023	0.001231032	13.34621525	0.032758068	4.728672981	0.001231032	0.001231032	6.15516E-06	0.008770412	0.00141161	0.012331753	0.023855202	6.15516E-06	20.18901825	2.30145E-05	0.000307887	0.000279839
2058 Apr	62.51935577	0.050102036	0.012400725	0.00123408	13.37932777	0.032839168	4.740404129	0.00123408	0.00123408	6.1704E-06	0.008792127	0.001415109	0.012362282	0.023914404	6.1704E-06	20.23911285	2.30715E-05	0.000308651	0.000280534
2058 May	63.33207321	0.050724618	0.012607256	0.001242943	13.57159519	0.033014718	4.806051254	0.001242943	0.001242943	6.21472E-06	0.008850984	0.001431633	0.012436392	0.024294304	6.21472E-06	20.54395103	2.326E-05	0.000312712	0.000286462
2058 Jun	59.23371506	0.047166821	0.01198795	0.001133585	12.75954819	0.029798385	4.507292747	0.001133585	0.001133585	5.66792E-06	0.008055216	0.001331382	0.011276587	0.023004726	5.66792E-06	19.38257217	2.13387E-05	0.000292849	0.000277395
2058 Jul	60.84671402	0.048357729	0.012319836	0.001164761	13.10325241	0.03059384	4.62836504	0.001164761	0.001164761	5.82381E-06	0.008275265	0.00136787	0.011582097	0.023633584	5.82381E-06	19.91000175	2.19318E-05	0.000300864	0.000285034
2058 Aug	63.10952377	0.050141644	0.012772162	0.001208755	13.59269333	0.031787012	4.801808357	0.001208755	0.001208755	6.04378E-06	0.008582954	0.001419314	0.012019731	0.024511192	6.04378E-06	20.64987755	2.27251E-05	0.000311934	0.000295434
2058 Sep	63.02791214	0.050347395	0.012732386	0.001207466	13.58446598	0.031844635	4.8008461	0.001207466	0.001207466	6.03733E-06	0.008576716	0.001417424	0.012017773	0.024466719	6.03733E-06	20.61973572	2.26675E-05	0.000311313	0.000294507
2058 Oct	62.81081772	0.050433308	0.01266929	0.001203385	13.54487419	0.031804364	4.788827419	0.001203385	0.001203385	6.01692E-06	0.008552777	0.001412402	0.011983288	0.024372935	6.01692E-06	20.54577446	2.25773E-05	0.000310051	0.000293099
2058 Nov	62.94410706	0.050570674	0.012693925	0.001205947	13.57446098	0.03187998	4.799518585	0.001205947	0.001205947	6.02974E-06	0.008571582	0.001415382	0.012009526	0.024423545	6.02974E-06	20.58903313	2.26238E-05	0.000310687	0.000293675
2058 Dec	62.95808411	0.050583955	0.012696592	0.001206216	13.57753277	0.03188761	4.800620556	0.001206216	0.001206216	6.03108E-06	0.00857353	0.001415696	0.012012249	0.024428895	6.03108E-06	20.59358406	2.26287E-05	0.000310755	0.000293737
2059 Jan	62.95956039	0.050585911	0.012696896	0.001206234	13.57790375	0.031888224	4.80075407	0.001206234	0.001206234	6.03117E-06	0.008573663	0.001415726	0.012012424	0.024429541	6.03117E-06	20.59412003	2.2629E-05	0.000310761	0.000293746
2059 Feb	62.96373749	0.050589364	0.012697814	0.001206299	13.57884884	0.031889904	4.801084518	0.001206299	0.001206299	6.0315E-06	0.008574121	0.001415816	0.012013053	0.024431296	6.0315E-06	20.59556961	2.26302E-05	0.000310782	0.00029377
2059 Mar	62.96598816	0.050591227	0.01269831	0.001206335	13.5793581	0.03189081	4.801263332	0.001206335	0.001206335	6.03167E-06	0.008574366	0.001415865	0.012013391	0.024432244	6.03167E-06	20.59635353	2.26309E-05	0.000310793	0.000293783
2059 Apr	63.14662933	0.050736394	0.012734763	0.001209791	13.61833	0.031982161	4.815041065	0.001209791	0.001209791	6.04895E-06	0.008598928	0.001419925	0.012047802	0.024502378	6.04895E-06	20.65546608	2.26957E-05	0.000311684	0.000294627
2059 May	64.03839874	0.051438645	0.012936946	0.00122334	13.81966305	0.032309867	4.885008812	0.00122334	0.00122334	6.1167E-06	0.008693084	0.001439054	0.012175326	0.024882363	6.1167E-06	20.96770668	2.29615E-05	0.000316111	0.000299911
2059 Jun	63.89702988	0.051194903	0.01300949	0.001205623	13.82385731	0.031680919	4.880767345	0.001205623	0.001205623	6.02811E-06	0.008558412	0.001431905	0.011964733	0.024973435	6.02811E-06	21.08846291	2.26944E-05	0.000315602	0.000304143
2059 Jul	67.81621552	0.054292567	0.013806929	0.001280206	14.66873074	0.033633672	5.179068565	0.001280206	0.001280206	6.40103E-06	0.009087452	0.00151997	0.01270378	0.026501633	6.40103E-06	22.29401016	2.40996E-05	0.000334976	0.000322683
2059 Aug	71.3723526	0.057135768	0.014528058	0.001347638	15.43900967	0.035423096	5.451251984	0.001347638	0.001347638	6.73819E-06	0.00956397	0.001599912	0.013373621	0.027890278	6.73819E-06	23.46270752	2.53529E-05	0.000352491	0.000339502
2059 Sep	72.25585938	0.058026277	0.014691796	0.001364556	15.63637352	0.035930607	5.522266388	0.001364556	0.001364556	6.82278E-06	0.009685987	0.001619693	0.013549073	0.028226366	6.82278E-06	23.75053978	2.5648E-05	0.000356706	0.000343318
2059 Oct	69.48397064	0.056595001	0.014068303	0.001312602	15.0581665	0.034770146	5.324163914	0.001312602	0.001312602	6.56301E-06	0.009332786	0.001557169	0.013052335	0.02711292	6.56301E-06	22.82952118	2.46293E-05	0.000342442	0.000328895
2059 Nov	69.37469482	0.05663209	0.014036676	0.0013106	15.03791714	0.034750037	5.31797123	0.0013106	0.0013106	6.553E-06	0.009321024	0.001554658	0.013035462	0.027065421	6.553E-06	22.7920475	2.4585E-05	0.000341812	0.000328179

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Dec	69.38687897	0.056644272	0.014038971	0.001310831	15.04061794	0.034756754	5.318943977	0.001310831	0.001310831	6.55416E-06	0.009322712	0.00155493	0.013037816	0.027070086	6.55416E-06	22.79602242	2.45892E-05	0.00034187	0.000328233
2060 Jan	69.39720154	0.056653533	0.014041065	0.001311015	15.04291439	0.034761786	5.319758415	0.001311015	0.001311015	6.55508E-06	0.009324028	0.001555158	0.013039645	0.027074195	6.55508E-06	22.7994709	2.45927E-05	0.00034192	0.000328284
2060 Feb	69.40833282	0.056662709	0.014043402	0.00131121	15.04537487	0.034766886	5.320624352	0.00131121	0.00131121	6.55605E-06	0.0093254	0.001555404	0.013041551	0.027078683	6.55605E-06	22.80322075	2.45963E-05	0.000341975	0.000328341
2060 Mar	69.44371796	0.05669165	0.014050608	0.00131187	15.05307102	0.034784354	5.323343754	0.00131187	0.00131187	6.55935E-06	0.009330087	0.001556195	0.0130481	0.027092569	6.55935E-06	22.81489563	2.46087E-05	0.000342149	0.000328511
2060 Apr	69.72924805	0.056924775	0.014108405	0.001317259	15.11497974	0.03492723	5.345235825	0.001317259	0.001317259	6.58629E-06	0.009368413	0.001562592	0.013101694	0.027204009	6.58629E-06	22.90872955	2.47098E-05	0.000343556	0.000329863
2060 May	70.30704498	0.057364881	0.014287986	0.00131815	15.26608658	0.034867913	5.39529705	0.00131815	0.00131815	6.59075E-06	0.009368799	0.001572921	0.013089562	0.027525514	6.59075E-06	23.15676308	2.47586E-05	0.000346466	0.000335769
2060 Jun	68.01441193	0.055381808	0.013953894	0.001254871	14.81729603	0.032996215	5.229446888	0.001254871	0.001254871	6.27436E-06	0.008908112	0.001516244	0.012416016	0.026823295	6.27436E-06	22.51886177	2.3653E-05	0.000335369	0.000331341
2060 Jul	71.94715881	0.058538474	0.014761855	0.001327845	15.6714716	0.034904845	5.530833244	0.001327845	0.001327845	6.63923E-06	0.009425615	0.0016041	0.013136208	0.028373003	6.63923E-06	23.81923294	2.50311E-05	0.00035478	0.000350462
2060 Aug	73.67411804	0.059961982	0.015102952	0.001360719	16.05312538	0.03584506	5.665968418	0.001360719	0.001360719	6.80359E-06	0.009651601	0.00164321	0.013471087	0.029045297	6.80359E-06	24.388731	2.55872E-05	0.00036315	0.000358385
2060 Sep	71.41358948	0.058441542	0.014596545	0.001320221	15.5807085	0.034990519	5.500955105	0.001320221	0.001320221	6.6011E-06	0.009356179	0.001593173	0.013104827	0.028125249	6.6011E-06	23.6346302	2.46925E-05	0.000351648	0.00034609
2060 Oct	70.83374786	0.058305837	0.014457658	0.001308758	15.46629524	0.034771997	5.462882996	0.001308758	0.001308758	6.54379E-06	0.009280607	0.001579854	0.012997696	0.027892588	6.54379E-06	23.44399643	2.44594E-05	0.000348541	0.000343022
2060 Nov	70.5916748	0.058229104	0.014400963	0.001304002	15.41785717	0.034676448	5.44660902	0.001304002	0.001304002	6.52001E-06	0.009248912	0.001574313	0.012952846	0.027795846	6.52001E-06	23.36442375	2.43638E-05	0.000347259	0.000341761
2060 Dec	70.62422943	0.058258284	0.014407426	0.001304605	15.42502975	0.034693096	5.449161053	0.001304605	0.001304605	6.52303E-06	0.009253238	0.001575038	0.012958894	0.027808571	6.52303E-06	23.37516594	2.43749E-05	0.000347417	0.000341915
2061 Jan	70.62785339	0.058262084	0.014408167	0.001304662	15.42587376	0.03469475	5.449462414	0.001304662	0.001304662	6.52331E-06	0.009253645	0.001575115	0.012959452	0.027810071	6.52331E-06	23.37641907	2.43759E-05	0.000347435	0.000341934
2061 Feb	70.63137817	0.058265075	0.014408969	0.001304712	15.42669106	0.034696024	5.449746609	0.001304712	0.001304712	6.52356E-06	0.00925399	0.00157519	0.012959922	0.027811602	6.52356E-06	23.3776741	2.43769E-05	0.000347452	0.000341956
2061 Mar	70.65040588	0.058280814	0.014412895	0.001305055	15.43087006	0.034705117	5.451221466	0.001305055	0.001305055	6.52527E-06	0.009256418	0.001575613	0.012963316	0.02781917	6.52527E-06	23.38401794	2.43833E-05	0.000347545	0.00034205
2061 Apr	70.91672516	0.058500536	0.014467251	0.00130997	15.48905373	0.034835797	5.471774578	0.00130997	0.00130997	6.54985E-06	0.009291274	0.001581551	0.013012128	0.027924083	6.54985E-06	23.47219467	2.44751E-05	0.000348856	0.000343341
2061 May	71.49916077	0.058960203	0.014644328	0.001311263	15.64124203	0.034797516	5.522402287	0.001311263	0.001311263	6.55632E-06	0.009294507	0.001592066	0.013005787	0.028243689	6.55632E-06	23.71992874	2.4526E-05	0.000351771	0.000349134
2061 Jun	66.98701477	0.0551318	0.013841528	0.001209788	14.69971371	0.031926446	5.183128834	0.001209788	0.001209788	6.04894E-06	0.008564311	0.001486585	0.011959415	0.026640428	6.04894E-06	22.33103943	2.26998E-05	0.000329771	0.000333088
2061 Jul	70.52272797	0.057978921	0.014571796	0.001274399	15.47283649	0.033629604	5.45590353	0.001274399	0.001274399	6.372E-06	0.00901957	0.0015655	0.012594851	0.028045129	6.372E-06	23.50743866	2.39052E-05	0.000347155	0.000350569
2061 Aug	74.1630249	0.060960367	0.015320944	0.001340597	16.27230263	0.035394918	5.738129139	0.001340597	0.001340597	6.70299E-06	0.009485574	0.001646641	0.013248732	0.029491985	6.70299E-06	24.72031975	2.51293E-05	0.000365011	0.000368555
2061 Sep	75.00302124	0.061748616	0.015483751	0.001356104	16.46051788	0.035848539	5.805187225	0.001356104	0.001356104	6.78052E-06	0.009595298	0.001665349	0.013408347	0.029818777	6.78052E-06	24.99812508	2.53984E-05	0.000369057	0.000372426
2061 Oct	72.3347702	0.060155675	0.014885386	0.001308515	15.89026833	0.034749649	5.608834743	0.001308515	0.001308515	6.54258E-06	0.009270786	0.001605897	0.012952926	0.028731329	6.54258E-06	24.09916878	2.44751E-05	0.000355487	0.000358117
2061 Nov	71.70287323	0.059839129	0.014738904	0.001297311	15.75676537	0.034507148	5.563356876	0.001297311	0.001297311	6.48656E-06	0.009195628	0.001591796	0.012847242	0.028471122	6.48656E-06	23.88530922	2.42545E-05	0.00035223	0.000354622
2061 Dec	71.72589111	0.059860788	0.01474344	0.00129773	15.76188374	0.034518939	5.56518364	0.00129773	0.00129773	6.48865E-06	0.009198648	0.001592306	0.012851453	0.02848015	6.48865E-06	23.8929348	2.42622E-05	0.000352341	0.000354732
2062 Jan	71.73400116	0.059868436	0.01474511	0.001297866	15.76372433	0.034522731	5.565836906	0.001297866	0.001297866	6.48933E-06	0.009199621	0.001592483	0.0128528	0.028483449	6.48933E-06	23.89569664	2.42647E-05	0.00035238	0.000354774
2062 Feb	71.74506378	0.059877731	0.014747468	0.001298051	15.76620007	0.034527566	5.566706657	0.001298051	0.001298051	6.49025E-06	0.009200915	0.001592725	0.012854596	0.028487984	6.49025E-06	23.89946938	2.42682E-05	0.000352434	0.000354833
2062 Mar	71.82720947	0.059946336	0.014764401	0.001299528	15.78428078	0.034566842	5.573088169	0.001299528	0.001299528	6.49764E-06	0.009211384	0.001594546	0.012869214	0.028520687	6.49764E-06	23.9268856	2.42958E-05	0.000352838	0.000355242
2062 Apr	72.12226868	0.060192615	0.01482508	0.001304862	15.8491354	0.034708686	5.595986366	0.001304862	0.001304862	6.52431E-06	0.009249184	0.001601096	0.012922022	0.028637893	6.52431E-06	24.0252037	2.43955E-05	0.000354287	0.000356703
2062 May	72.95619202	0.060888596	0.014996508	0.001319947	16.03239822	0.035109937	5.660691261	0.001319947	0.001319947	6.59974E-06	0.009356112	0.001619608	0.013071407	0.028969042	6.59974E-06	24.30300903	2.46776E-05	0.000358384	0.000360828
2062 Jun	69.59421539	0.057623316	0.014310767	0.001265253	15.25119019	0.033474937	5.382582188	0.001265253	0.001265253	6.32627E-06	0.008977309	0.001545973	0.012527743	0.02758297	6.32627E-06	23.14400291	2.37605E-05	0.000342482	0.000343072
2062 Jul	68.67043304	0.056558274	0.014122111	0.001252476	15.02498341	0.03305234	5.302015305	0.001252476	0.001252476	6.26238E-06	0.008887759	0.001526596	0.012395489	0.027190393	6.26238E-06	22.8149395	2.35589E-05	0.000338183	0.000337824
2062 Aug	69.33543396	0.057096981	0.014240577	0.001266393	15.17702007	0.033526897	5.356742382	0.001266393	0.001266393	6.33197E-06	0.008974509	0.001542632	0.012541172	0.027444098	6.33197E-06	23.03268242	2.3726E-05	0.000341194	0.000340421
2062 Sep	68.54702759	0.05676328	0.014051183	0.001252222	15.0166626	0.033266708	5.302335739	0.001252222	0.001252222	6.26111E-06	0.008876298	0.001525034	0.012414856	0.027117781	6.26111E-06	22.76769829	2.34135E-05	0.000337048	0.000335914
2062 Oct	63.86536407	0.054040063	0.013010183	0.001166228	14.02615356	0.031283334	4.961172104	0.001166228	0.001166228	5.83114E-06	0.008287762	0.001420099	0.011588302	0.025231631	5.83114E-06	21.20489502	2.17403E-05	0.000313169	0.000311466
2062 Nov	63.9461937	0.054208647	0.013019245	0.001167726	14.04674053	0.031349733	4.969215393	0.001167726	0.001167726	5.83863E-06	0.008300319	0.001421843	0.011605545	0.025259994	5.83863E-06	21.23066711	2.17628E-05	0.000313492	0.000311711
2062 Dec	63.96899414	0.054229785	0.013023745	0.001168144	14.05179501	0.031361435	4.971017361	0.001168144	0.001168144	5.84072E-06	0.008303327	0.001422349	0.011609744	0.025268922	5.84072E-06	21.23820877	2.17705E-05	0.000313602	0.000311819
2063 Jan	63.97578812	0.054236192	0.013025132	0.00116826	14.05333138	0.031364664	4.971563816	0.00116826	0.00116826	5.8413E-06	0.008304157	0.001422498	0.011610894	0.025271667	5.8413E-06	21.24051094	2.17726E-05	0.000313635	0.000311853
2063 Feb	63.9845047	0.05424362	0.013026972	0.001168407	14.05528164	0.031368557	4.972249985	0.001168407	0.001168407	5.84204E-06	0.008305192	0.001422688	0.011612331	0.025275223	5.84204E-06	21.24347305	2.17753E-05	0.000313678	0.0003119
2063 Mar	64.00122833	0.054257825	0.013030415	0.001168706	14.05897522	0.031376552	4.973555088	0.001168706	0.001168706	5.84353E-06	0.008307311	0.001423058	0.011615288	0.025281891	5.84353E-06	21.2490654	2.17809E-05	0.00031376	0.000311983
2063 Apr	64.13773346	0.054373562	0.013058229	0.001171195	14.08897305	0.031443357	4.984166145	0.001171195	0.001171195	5.85597E-06	0.008324999	0.001426093	0.011640019	0.025335852	5.85597E-06	21.2944088	2.18273E-05	0.000314429	0.00031265
2063 May	64.74565887	0.054876398	0.013205929	0.001178485	14.23223495	0.031607874	5.033549309	0.001178485	0.001178485	5.89242E-06	0.008374636	0.001438606	0.011704449	0.025612453	5.89242E-06	21.51831245	2.19756E-05	0.000317436	0.000316821
2063 Jun	58.69409561	0.049490783	0.012101872	0.001050645	12.93454361	0.027925473	4.566700935	0.001050645	0.001050645	5.25322E-06	0.007459869	0.00129913	0.010390612	0.023389956	5.25322E-06	19.60709	1.97137E-05	0.000288197	0.000293165
2063 Jul	58.5421257	0.049230605	0.01207054	0.001049792	12.89035416	0.027866337	4.550857067	0.001049792	0.001049792	5.24896E-06	0.007454302	0.001296316	0.010379416	0.023317194	5.24896E-06	19.54624748	1.97141E-05	0.000287553	0.000292077
2063 Aug	61.4073143	0.051631533	0.01265681	0.001101689	13.52258968	0.029270183	4.774398327	0.001101689	0.001101689	5.50844E-06	0.007819582	0.001360137	0.010893614	0.024456317	5.50844E-06	20.50200081	2.06646E-05	0.000301553	0.000306204
2063 Sep	61.93832779	0.052182306	0.012749995	0.001111921	13.64580727	0.029617641	4.818515778	0.001111921	0.001111921	5.5596E-06	0.00788918	0.001372107	0.011007642	0.024655312	5.5596E-06	20.67583466	2.08082E-05	0.000304038	0.000308318
2063 Oct	61.15631485	0.051804334	0.01256672	0.001098218	13.48058033	0.029326886	4.762393951	0.001098218	0.001098218	5.49109E-06	0.007797637	0.001354696	0.010879063	0.024331355	5.49109E-06	20.41013145	2.05367E-05	0.000299995	0.000303923
2063 Nov	61.1873703	0.05187941	0.01256923	0.001098834	13.48865318	0.029356223	4.765631199	0.001098834	0.001098834	5.49417E-06	0.007802996	0.001355369	0.010886393	0.024341511	5.49417E-06	20.41968918	2.05456E-05	0.000300111	0.00030399
2063 Dec	61.22854996	0.051916409	0.012577524	0.001099576	13.49778271	0.029376596	4.768873692	0.001099576	0.001099576	5.49788E-06	0.007808308	0.001356281	0.010893798	0.024357799	5.49788E-06	20.43339729	2.05594E-05	0.000300312	0.000304191
2064 Jan	61.23595047	0.051923431	0.012579044	0.001099699	13.49946308	0.029380044	4.769469738	0.001099699	0.001099699	5.4985E-06	0.007809191	0.001356442	0.01089502	0.024360806	5.4985E-06	20.43591499	2.05617E-05	0.000300348	0.000304229
2064 Feb	61.24910355	0.051934637	0.012581823	0.001099922	13.50240421	0.029385928	4.770505428	0.001099922	0.001099922	5.49961E-06	0.00781076	0.00135673	0.010897198	0.02436617	5.49961E-06	20.44038391	2.05659E-05	0.000300412	0.000304299
2064 Mar	61.33044434	0.052003633	0.012598575	0.001101375	13.52035904	0.029424721	4.776846409	0.001101375	0.001101375	5.50688E-06	0.007821075	0.00135853	0.010911582	0.024398603	5.50688E-06	20.46757507	2.0593E-05	0.000300811	0.000304705
2064 Apr	61.47861481	0.052129287	0.012629035	0.001104032	13.55303574	0.029495679	4.78839016	0.001104032	0.001104032	5.52016E-06	0.007839937	0.001361811	0.010937894	0.024457587	5.52016E-06	20.51704979	2.06427E-05	0.000301538	0.000305443
2064 May	61.86485672	0.052406982	0.01275028	0.001104648	13.65329742	0.029450668	4.821442604	0.001104648	0.001104648	5.52324E-06	0.007840293	0.001368709	0.010929771	0.02467257	5.52324E-06	20.68270683	2.06782E-05	0.000303502	0.000309407
2064 Jun	58.36328888	0.049198683	0.012161887	0.001023344	12.91995239	0.027051896	4.554561138	0.001023344	0.001023344	5.11672E-06	0.007252499	0.001286173	0.010079811	0.023459623	5.11672E-06	19.62044144	1.92543E-05	0.000286665	0.000298133
2064 Jul	60.38291168	0.050803889	0.012578021	0.001060528	13.36230278	0.028045679	4.711168766	0.001060528	0.001060528	5.30264E-06	0.00751171	0.001331676	0.010441042	0.024265524	5.30264E-06	20.29346085	1.99326E-05	0.000296505	0.000308121
2064 Aug	61.42601395	0.051633243	0.012783937	0.001080489	13.59559631	0.028641222	4.794661045	0.001080489	0.001080489	5.40244E-06	0.007643639	0.001355962	0.010635884	0.024681401	5.40244E-06	20.64161491	2.02421E-05	0.000301391	0.000313019
2064 Sep	60.52931595	0.051167089	0.012564379	0.001065616	13.41075993	0.028393392	4.731365204	0.001065616	0.001065616	5.32808E-06	0.007536303	0.001336371	0.010511272	0.024299644	5.32808E-06	20.33483696	1.98844E-05	0.00029671	0.000307516
2064 Oct	60.72767258	0.051502336	0.012593071	0.001069159	13.45943069	0.02853192	4.74982357	0.001069159	0.001069159	5.3458E-06	0.007564541	0.001340667	0.010550166	0.024373207	5.3458E-06	20.39962959	1.99412E-05	0.000297558	0.000308269
2064 Nov	60.9541893	0.051696841	0.012639851	0.001073151	13.50969315	0.028639073	4.767580509	0.001073151	0.001073151	5.36575E-06	0.007592832	0.001345667	0.010589616	0.024464009	5.36575E-06	20.4756794	2.00155E-05	0.000298666	0.000309415
2064 Dec	60.97692108	0.051717386	0.012644462	0.001073553	13.51476288	0.02865014	4.769379616	0.001073553	0.001073553	5.36776E-06	0.007595703	0.001346169	0.010593617	0.024473071	5.36776E-06	20.48329353	2.00229E-05	0.000298777	0.000309528
2065 Jan	60.98133469	0.05172158	0.012645375	0.001073625	13.515769	0.028652159	4.76973629	0.001073625	0.001073625	5.36813E-06	0.007596219	0.001346265	0.010594331	0.024474878	5.36813E-06	20.48480225	2.00242E-05	0.000298798	0.000309551
2065 Feb	60.99393463	0.051732298	0.012648034	0.001073839	13.51858616	0.028657831	4.770728111	0.001073839	0.001073839	5.3692E-06	0.007597726	0.001346541	0.010596424	0.024480009	5.3692E-06	20.48908234	2.00282E-05	0.00029886	0.000309617
2065 Mar	61.08179855	0.051806837	0.012666278	0.001075382	13.53807259	0.028698977	4.777604103	0.001075382	0.001075382	5.37691E-06	0.007608636	0.001348479	0.010611637	0.024515316	5.37691E-06	20.51862144	2.0057E-05	0.00029929	0.000310065
2065 Apr	61.33712006	0.0520234	0.012719237	0.001079874	13.5946703	0.028818861	4.797576427	0.001079874	0.001079874	5.39937E-06	0.00764042	0.001354115	0.010655965	0.024617815	5.39937E-06	20.60440636	2.01408E-05	0.000300541	0.000311362
2065 May	62.15428543	0.052668326	0.01292091	0.001089523	13.78678513	0.029027155	4.863524437	0.001089523	0.001089523	5.44761E-06	0.007705361	0.00137092	0.01074	0.024992164	5.44761E-06	20.90657043	2.03392E-05	0.000304605	0.00031706
2065 Jun	59.54369354	0.050192017	0.012469456	0.001032228	13.22721291	0.027316965	4.660364151	0.001032228	0.001032228	5.16114E-06	0.007292603	0.001310216	0.010143299	0.024058454	5.16114E-06	20.09532928	1.93463E-05	0.000292134	0.000307759
2065 Jul	62.72419357	0.052793391	0.013135671	0.001088373	13.92845345	0.028787099	4.90734005	0.001088373	0.001088373	5.44186E-06	0.007688557	0.001380579	0.010692955	0.025338219	5.44186E-06	21.16395378	2.04023E-05	0.000307775	0.000324034
2065 Aug	65.61549377	0.055228993	0.013733694	0.001139243	14.57284355	0.030173089	5.134695053	0.001139243	0.001139243	5.69622E-06	0.008043815	0.00144463	0.01119725	0.026500963	5.69622E-06	22.13768196	2.13213E-05	0.000321877	0.000338682
2065 Sep	63.90155792	0.054262199	0.01332975	0.001110705	14.20646954	0.029582068	5.009264469	0.001110705	0.001110705	5.55353E-06	0.007848101	0.001406983	0.010937332	0.025779221	5.55353E-06	21.54901695	2.07279E-05	0.00031387	0.00032865
2065 Oct	60.72195816	0.052597582	0.012588564	0.001055909	13.52813911	0.02839466	4.778057575	0.001055909	0.001055909	5.27954E-06	0.007480927	0.001336477	0.010422597	0.024457254	5.27954E-06	20.46431351	1.96486E-05	0.000296746	0.000310677
2065 Nov	60.54341507	0.052630357	0.012537587	0.001052863	13.4936142	0.028361922	4.767297268	0.001052863	0.001052863	5.26432E-06	0.00746294	0.001332452	0.010396987	0.024378486	5.26432E-06	20.40204048	1.95816E-05	0.000295735	0.000309478
2065 Dec	60.5562706	0.052643497	0.012540087	0.00105309	13.49652576	0.028368555	4.768342018	0.00105309	0.00105309	5.26545E-06	0.007464588	0.001332734	0.010399278	0.024383564	5.26545E-06	20.40633583	1.95857E-05	0.000295796	0.00030954
2066 Jan	60.56558609	0.052652277	0.012542016	0.001053244	13.49864483	0.028372835	4.769093513	0.001053244	0.001053244	5.26622E-06	0.007465686	0.001332937	0.010400797	0.024387371	5.26622E-06	20.40951729	1.95885E-05	0.000295842	0.000309589
2066 Feb	60.59357071	0.052676629	0.012547882	0.001053718	13.50492001	0.028385554	4.771306038	0.001053718	0.001053718	5.26859E-06	0.007469038	0.00133355	0.010405455	0.024398757	5.26859E-06	20.4190197	1.95974E-05	0.000295978	0.000309736
2066 Mar	60.72335052	0.052789461	0.012574796	0.001055968	13.53386402	0.028446132	4.78153038	0.001055968	0.001055968	5.27984E-06	0.00748498	0.001336404	0.01042766	0.024451079	5.27984E-06	20.46279144	1.96392E-05	0.000296612	0.000310401
2066 Apr	60.89297867	0.052936934	0.012609946	0.001058914	13.57168198	0.028525474	4.794890404	0.001058914	0.001058914	5.29457E-06	0.007505859	0.001340136	0.010456745	0.024519421	5.29457E-06	20.51997948	1.9694E-05	0.000297441	0.000311269
2066 May	61.59895325	0.05354479	0.012759541	0.001070702	13.7301178	0.028837701	4.850667	0.001070702	0.001070702	5.35351E-06	0.007589084	0.001355545	0.010571977	0.024808491	5.35351E-06	20.76073074	1.99153E-05	0.000300896	0.000315039
2066 Jun	58.05868149	0.050100967	0.012071029	0.001007292	12.92554474	0.026939323	4.562531471	0.001007292	0.001007292	5.03646E-06	0.007142616	0.001276683	0.009930145	0.023406362	5.03646E-06	19.5756855	1.88377E-05	0.00028411	0.000298143
2066 Jul	61.08076477	0.052560583	0.012694494	0.001062465	13.58634853	0.028392442	4.795992851	0.001062465	0.001062465	5.31232E-06	0.007532746	0.001344116	0.010470976	0.024607573	5.31232E-06	20.58112335	1.98729E-05	0.00029895	0.000313104
2066 Aug	63.96882248	0.0550281	0.013288391	0.00111351	14.23028374	0.029792611	5.023823261	0.00111351	0.00111351	5.56755E-06	0.007890008	0.00140825	0.010974947	0.025768138	5.56755E-06	21.55275345	2.07937E-05	0.000312977	0.000327665
2066 Sep	64.26981354	0.055504572	0.013330009	0.001119342	14.30370998	0.030024363	5.051421165	0.001119342	0.001119342	5.59671E-06	0.007933947	0.001414926	0.01104196	0.025875537	5.59671E-06	21.64921188	2.08752E-05	0.000314275	0.000328652
2066 Oct	63.26092148	0.055061765	0.013085706	0.001102463	14.08939934	0.02968549	4.979176044	0.001102463	0.001102463	5.51231E-06	0.007823152	0.001392624	0.010886636	0.025448265	5.51231E-06	21.3011837	2.05375E-05	0.000309029	0.000322671

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Nov	63.01847839	0.054969415	0.013025846	0.001098429	14.0382328	0.029608402	4.962046146	0.001098429	0.001098429	5.49214E-06	0.007796977	0.001387261	0.0108499	0.025344895	5.49214E-06	21.21727943	2.04561E-05	0.000307759	0.000321207
2066 Dec	63.06364441	0.055011109	0.013034997	0.00109922	14.04834938	0.029630329	4.965640068	0.00109922	0.00109922	5.4961E-06	0.007802639	0.001388255	0.010857772	0.025362948	5.4961E-06	21.23244286	2.04707E-05	0.000307978	0.000321433
2067 Jan	63.07553482	0.055022273	0.013037451	0.001099418	14.05104828	0.029635817	4.96659708	0.001099418	0.001099418	5.49709E-06	0.007804049	0.001388514	0.010859724	0.025367793	5.49709E-06	21.23649406	2.04743E-05	0.000308035	0.000321495
2067 Feb	63.10197067	0.055045355	0.013042999	0.001099864	14.05698013	0.029647781	4.968690395	0.001099864	0.001099864	5.49932E-06	0.007807206	0.001389092	0.010864103	0.025378566	5.49932E-06	21.2454834	2.04826E-05	0.000308164	0.000321634
2067 Mar	63.17294312	0.055107281	0.013057715	0.001101093	14.07281494	0.029680876	4.974284649	0.001101093	0.001101093	5.50546E-06	0.007815924	0.001390653	0.010876229	0.025407188	5.50546E-06	21.26942635	2.05055E-05	0.000308511	0.000321998
2067 Apr	63.32674789	0.055241451	0.013089531	0.001103769	14.10708904	0.029752992	4.98639822	0.001103769	0.001103769	5.51885E-06	0.007834917	0.001394037	0.010902654	0.025469087	5.51885E-06	21.32123566	2.05554E-05	0.000309262	0.000322784
2067 May	64.40833282	0.0561199	0.013343738	0.001118369	14.3570652	0.030096121	5.0729146	0.001118369	0.001118369	5.59184E-06	0.007935479	0.001416736	0.011036306	0.025946302	5.59184E-06	21.710289	2.08465E-05	0.000314618	0.000329721
2067 Jun	62.60770416	0.054327209	0.013055149	0.00107624	13.97434235	0.028795127	4.932423115	0.00107624	0.00107624	5.3812E-06	0.007630645	0.001374148	0.010590924	0.025329184	5.3812E-06	21.16585922	2.01352E-05	0.000306117	0.000324257
2067 Jul	66.33933258	0.057497572	0.01383021	0.00114166	14.8030138	0.030545991	5.22523737	0.00114166	0.00114166	5.7083E-06	0.008092484	0.001456654	0.011232185	0.026832948	5.7083E-06	22.42227364	2.13507E-05	0.000324339	0.000343334
2067 Aug	68.32546997	0.059141211	0.014233491	0.001177778	15.24744129	0.031577185	5.383674145	0.001177778	0.001177778	5.88889E-06	0.008337966	0.001501842	0.011581374	0.027635008	5.88889E-06	23.0909996	2.19584E-05	0.000333776	0.000353203
2067 Sep	68.88424683	0.059782669	0.014331903	0.001188078	15.3778019	0.031923447	5.430863857	0.001188078	0.001188078	5.94039E-06	0.008411241	0.001514247	0.011692952	0.027847946	5.94039E-06	23.2753582	2.21172E-05	0.000336365	0.000355563
2067 Oct	66.91188049	0.058660585	0.01387341	0.001154991	14.95164013	0.031191131	5.285090923	0.001154991	0.001154991	5.77495E-06	0.008189131	0.001470762	0.011382655	0.027021796	5.77495E-06	22.59779358	2.14697E-05	0.000326304	0.000344258
2067 Nov	66.75170135	0.058662798	0.013828858	0.001152397	14.91945457	0.03115895	5.274847984	0.001152397	0.001152397	5.76199E-06	0.008173602	0.001467201	0.011360653	0.026950724	5.76199E-06	22.54135323	2.14137E-05	0.000325417	0.000343179
2067 Dec	66.80554199	0.058712609	0.013839805	0.001153331	14.93154526	0.031184863	5.279142857	0.001153331	0.001153331	5.76666E-06	0.008180276	0.001468384	0.011369925	0.026972335	5.76666E-06	22.55948448	2.14309E-05	0.000325678	0.000343451
2068 Jan	66.82250214	0.058728356	0.013843315	0.001153614	14.93538952	0.031192681	5.28050518	0.001153614	0.001153614	5.76807E-06	0.008182292	0.001468753	0.011372713	0.026979249	5.76807E-06	22.56526184	2.14362E-05	0.00032576	0.00034354
2068 Feb	66.84455872	0.058747757	0.013847975	0.001153979	14.94036484	0.031202486	5.282259941	0.001153979	0.001153979	5.7699E-06	0.008184871	0.001469234	0.011376283	0.026988303	5.7699E-06	22.5728035	2.1443E-05	0.000325867	0.000343658
2068 Mar	66.97665405	0.058863856	0.013875388	0.001156251	14.96991253	0.031263873	5.292704105	0.001156251	0.001156251	5.78126E-06	0.008200976	0.001472136	0.011398664	0.027041715	5.78126E-06	22.61745834	2.14852E-05	0.000326511	0.00034434
2068 Apr	67.50439453	0.059327673	0.013984747	0.001165357	15.08788204	0.031510066	5.334411621	0.001165357	0.001165357	5.82679E-06	0.008265559	0.001483734	0.011488424	0.027254837	5.82679E-06	22.79570198	2.16544E-05	0.000329084	0.000347054
2068 May	68.25367737	0.059935633	0.014169984	0.001173964	15.26508999	0.031696644	5.395323753	0.001173964	0.001173964	5.86982E-06	0.008323648	0.001499075	0.011562706	0.027599962	5.86982E-06	23.07401085	2.18322E-05	0.000332798	0.000352335
2068 Jun	62.00108337	0.054102622	0.012987141	0.001052165	13.88867474	0.028168237	4.901620388	0.001052165	0.001052165	5.26083E-06	0.007452452	0.001357835	0.010321232	0.025215484	5.26083E-06	21.04232025	1.96746E-05	0.000302745	0.000325083
2068 Jul	63.91989517	0.055629309	0.013383207	0.001087395	14.30921841	0.029109068	5.05065155	0.001087395	0.001087395	5.43697E-06	0.007697961	0.001401103	0.010661515	0.025983388	5.43697E-06	21.68266869	2.03178E-05	0.000312075	0.000334628
2068 Aug	67.4253006	0.058667678	0.014111725	0.0011477	15.09520435	0.030753242	5.328467369	0.0011477	0.0011477	5.7385E-06	0.008121192	0.001478394	0.01125417	0.027405309	5.7385E-06	22.87031555	2.14169E-05	0.000329107	0.000352766
2068 Sep	67.60266113	0.059072938	0.014123873	0.001151522	15.14219284	0.030945022	5.34700346	0.001151522	0.001151522	5.75761E-06	0.00815119	0.001482369	0.011303301	0.027460137	5.75761E-06	22.92408752	2.14551E-05	0.00032977	0.000353011
2068 Oct	67.72194672	0.059360314	0.014133487	0.001153904	15.17311764	0.031057963	5.359405994	0.001153904	0.001153904	5.76952E-06	0.00817189	0.001484958	0.011331636	0.027499011	5.76952E-06	22.96070099	2.14897E-05	0.000330219	0.000353265
2068 Nov	67.95574188	0.059579913	0.014181053	0.001157916	15.2258358	0.031169856	5.378146172	0.001157916	0.001157916	5.78958E-06	0.008200608	0.001490082	0.011371429	0.027593179	5.78958E-06	23.0396595	2.15637E-05	0.000331348	0.000354455
2068 Dec	68.00003052	0.059620455	0.014190154	0.001158674	15.23579979	0.031190721	5.381679058	0.001158674	0.001158674	5.79337E-06	0.008206013	0.001491053	0.011378919	0.027611073	5.79337E-06	23.05463982	2.15777E-05	0.000331563	0.000354683
2069 Jan	68.00996399	0.059629735	0.014192222	0.001158837	15.23805904	0.03119521	5.382480145	0.001158837	0.001158837	5.79418E-06	0.008207168	0.001491268	0.011380513	0.02761515	5.79418E-06	23.05804062	2.15807E-05	0.000331611	0.000354736
2069 Feb	68.02439117	0.059642397	0.014195293	0.001159072	15.24132252	0.031201493	5.383629322	0.001159072	0.001159072	5.79536E-06	0.008208826	0.001491582	0.011382803	0.027621107	5.79536E-06	23.0629921	2.15851E-05	0.000331681	0.000354814
2069 Mar	68.03366089	0.059650525	0.01419726	0.001159224	15.24341583	0.031205563	5.384367466	0.001159224	0.001159224	5.79612E-06	0.008209899	0.001491784	0.011384287	0.027624926	5.79612E-06	23.06616783	2.15879E-05	0.000331726	0.000354864
2069 Apr	68.16881561	0.059769042	0.014225485	0.001161524	15.27371025	0.031267457	5.395066738	0.001161524	0.001161524	5.80762E-06	0.008226184	0.001494747	0.011406865	0.027679838	5.80762E-06	23.11201477	2.16307E-05	0.000332385	0.000355571
2069 May	69.49440002	0.060924556	0.01450482	0.001183746	15.57144451	0.031860955	5.50006628	0.001183746	0.001183746	5.91873E-06	0.008383292	0.001523717	0.011624169	0.028221721	5.91873E-06	23.56357193	2.20464E-05	0.000338857	0.000362608
2069 Jun	66.38821411	0.057648163	0.013886371	0.001133965	14.83908367	0.030299323	5.237625122	0.001133965	0.001133965	5.66983E-06	0.008035325	0.001455975	0.011124144	0.02694227	5.66983E-06	22.490242	2.12335E-05	0.000324374	0.000346355
2069 Jul	68.59938812	0.0594045	0.014345082	0.001174605	15.31924057	0.031349156	5.407010078	0.001174605	0.001174605	5.87302E-06	0.008323505	0.001505343	0.011520972	0.027819688	5.87302E-06	23.22403717	2.20081E-05	0.000335287	0.000357302
2069 Aug	70.67238617	0.061187055	0.014767841	0.001211285	15.78505898	0.032386679	5.572033882	0.001211285	0.001211285	6.05642E-06	0.008576737	0.001551587	0.011885343	0.028653571	6.05642E-06	23.92305565	2.26428E-05	0.000345277	0.000367678
2069 Sep	68.87776947	0.060069248	0.014351838	0.001181693	15.39634609	0.031739607	5.438250542	0.001181693	0.001181693	5.90847E-06	0.008373375	0.001512269	0.011612456	0.02789887	5.90847E-06	23.30550194	2.20417E-05	0.000336164	0.000357268
2069 Oct	65.81132507	0.058267646	0.013640705	0.001130624	14.73144627	0.030601351	5.210484982	0.001130624	0.001130624	5.65312E-06	0.008029493	0.001444812	0.011133323	0.026612991	5.65312E-06	22.2506485	2.10416E-05	0.000320556	0.000339652
2069 Nov	65.66880798	0.058348592	0.013594016	0.001128543	14.70440865	0.030600347	5.202599525	0.001128543	0.001128543	5.64272E-06	0.008018991	0.001441652	0.011118261	0.026544906	5.64272E-06	22.19833374	2.09916E-05	0.00031971	0.00033851
2069 Dec	65.6933136	0.058372512	0.013598911	0.001128969	14.70994663	0.030612443	5.204576015	0.001128969	0.001128969	5.64484E-06	0.008022056	0.001442189	0.011122506	0.026554702	5.64484E-06	22.20657539	2.09994E-05	0.000319828	0.000338632
2070 Jan	65.695961	0.058375597	0.013599458	0.001129005	14.71058655	0.030613592	5.204805374	0.001129005	0.001129005	5.64503E-06	0.008022325	0.001442245	0.011122869	0.026555832	5.64503E-06	22.20751381	2.10001E-05	0.00031984	0.000338647
2070 Feb	65.69802856	0.058377426	0.013599964	0.001129027	14.71108627	0.030614119	5.204977989	0.001129027	0.001129027	5.64514E-06	0.00802247	0.001442287	0.011123057	0.026556794	5.64514E-06	22.2082901	2.10005E-05	0.00031985	0.000338662
2070 Mar	65.74248505	0.058416933	0.013609209	0.001129784	14.72106266	0.030634601	5.20850563	0.001129784	0.001129784	5.64892E-06	0.00802784	0.001443261	0.011130497	0.026574835	5.64892E-06	22.22336197	2.10146E-05	0.000320067	0.000338893
2070 Apr	66.009552	0.058654238	0.013664572	0.00113436	14.78090286	0.03075863	5.229673862	0.00113436	0.00113436	5.6718E-06	0.008060347	0.001449121	0.011175558	0.026682917	5.6718E-06	22.3137188	2.10997E-05	0.000321367	0.000340274
2070 May	66.83898163	0.059351198	0.013857953	0.001145537	14.97335339	0.031027354	5.296480656	0.001145537	0.001145537	5.72768E-06	0.008137716	0.00146652	0.011278111	0.027048497	5.72768E-06	22.61204147	2.13212E-05	0.000325454	0.000345571
2070 Jun	65.01544952	0.057531517	0.013549974	0.001105475	14.57907486	0.029800387	5.152582645	0.001105475	0.001105475	5.52737E-06	0.007848428	0.001424081	0.010858876	0.026398752	5.52737E-06	22.0457859	2.0639E-05	0.000316835	0.000339218
2070 Jul	67.81742096	0.059930548	0.014130637	0.001154642	15.20150566	0.031119587	5.372795582	0.001154642	0.001154642	5.77321E-06	0.008196074	0.001486071	0.011339867	0.0275278	5.77321E-06	22.98893929	2.15531E-05	0.000330493	0.000353525
2070 Aug	70.28650665	0.062073193	0.014637533	0.001197864	15.75617123	0.03232792	5.569667816	0.001197864	0.001197864	5.98932E-06	0.008496437	0.001541072	0.011762946	0.028527491	5.98932E-06	23.82394409	2.23163E-05	0.00034237	0.0003661
2070 Sep	68.71781921	0.06120497	0.01426472	0.001172319	15.41785336	0.03179463	5.454179764	0.001172319	0.001172319	5.8616E-06	0.008324088	0.001506691	0.011529837	0.027861079	5.8616E-06	23.28089333	2.17965E-05	0.000334336	0.000356764
2070 Oct	67.0599823	0.060306359	0.013873771	0.00114488	15.06004715	0.031204265	5.332241535	0.00114488	0.00114488	5.7244E-06	0.008140975	0.001470215	0.011274659	0.027161624	5.7244E-06	22.70884705	2.12548E-05	0.000325843	0.000347078
2070 Nov	67.02791595	0.060344029	0.013861788	0.001144424	15.05449772	0.031209504	5.330809116	0.001144424	0.001144424	5.72212E-06	0.00813907	0.001469497	0.011271833	0.027145568	5.72212E-06	22.69683647	2.12427E-05	0.000325638	0.00034679
2070 Dec	67.03939819	0.060355991	0.013864026	0.001144623	15.05711365	0.031215368	5.331748009	0.001144623	0.001144623	5.72312E-06	0.00814052	0.001469748	0.011273839	0.027150132	5.72312E-06	22.70068932	2.12463E-05	0.000325693	0.000346846
2071 Jan	67.04245758	0.060359281	0.013864657	0.001144669	15.05783367	0.031216726	5.332005024	0.001144669	0.001144669	5.72335E-06	0.008140851	0.001469813	0.011274288	0.027151413	5.72335E-06	22.70175743	2.12472E-05	0.000325707	0.000346863
2071 Feb	67.04440308	0.06036102	0.01386512	0.001144692	15.05830002	0.031217307	5.332167149	0.001144692	0.001144692	5.72346E-06	0.008141007	0.001469853	0.011274495	0.027152298	5.72346E-06	22.7024765	2.12476E-05	0.000325717	0.000346877
2071 Mar	67.0553894	0.060370903	0.013867423	0.001144874	15.06078339	0.031222239	5.333044529	0.001144874	0.001144874	5.72437E-06	0.008142297	0.001470093	0.011276278	0.0271568	5.72437E-06	22.70622826	2.1251E-05	0.00032577	0.000346935
2071 Apr	67.17463684	0.060478263	0.013892104	0.001146907	15.08757591	0.031277664	5.342531204	0.001146907	0.001146907	5.73454E-06	0.008156751	0.001472707	0.011296293	0.027205126	5.73454E-06	22.7466259	2.12887E-05	0.000326349	0.000347553
2071 May	67.2687149	0.060514972	0.013938771	0.001144622	15.11730766	0.031173425	5.351455212	0.001144622	0.001144622	5.72311E-06	0.008137959	0.001473746	0.011264277	0.02728148	5.72311E-06	22.80116653	2.1263E-05	0.000326866	0.000349327
2071 Jun	63.73822021	0.057075113	0.013285731	0.00107532	14.33561707	0.029111192	5.069623947	0.00107532	0.00107532	5.3766E-06	0.00764116	0.001393783	0.010554199	0.025942998	5.3766E-06	21.65709496	2.00574E-05	0.000310059	0.000334312
2071 Jul	65.23765564	0.058317848	0.01359575	0.001102431	14.66386318	0.029821001	5.185660362	0.001102431	0.001102431	5.51216E-06	0.007834198	0.001427105	0.010819223	0.026540387	5.51216E-06	22.156744	2.05732E-05	0.000317425	0.000341801
2071 Aug	67.87888336	0.060675818	0.014140085	0.001147689	15.25925541	0.031077562	5.396453857	0.001147689	0.001147689	5.73845E-06	0.008152305	0.00148524	0.011267091	0.027610345	5.73845E-06	23.05207825	2.13891E-05	0.000330209	0.000355393
2071 Sep	66.98219299	0.060149375	0.01392082	0.001133847	15.06733513	0.030827349	5.330627441	0.001133847	0.001133847	5.66924E-06	0.008054456	0.001465876	0.01114989	0.027221236	5.66924E-06	22.73889351	2.10713E-05	0.0003256	0.000349721
2071 Oct	66.0639267	0.059640318	0.013704077	0.001118823	14.86829853	0.030502824	5.262738228	0.001118823	0.001118823	5.59412E-06	0.00795422	0.001445715	0.011010497	0.026832391	5.59412E-06	22.42107391	2.0775E-05	0.000320907	0.000344317
2071 Nov	65.87062073	0.059713632	0.013643791	0.00111593	14.83078671	0.030489774	5.251436234	0.00111593	0.00111593	5.57965E-06	0.00793872	0.001441428	0.010988525	0.026741844	5.57965E-06	22.35085106	2.0708E-05	0.000319787	0.000342839
2071 Dec	65.87892151	0.059738126	0.013644118	0.001116099	14.83306026	0.030498888	5.252377033	0.001116099	0.001116099	5.58049E-06	0.007940267	0.001441606	0.010990632	0.026744371	5.58049E-06	22.35334015	2.07102E-05	0.000319815	0.000342849
2072 Jan	65.88597107	0.05974542	0.013645575	0.001116207	14.8347044	0.030502044	5.252963066	0.001116207	0.001116207	5.58104E-06	0.00794105	0.001441757	0.010991703	0.026747307	5.58104E-06	22.35578728	2.07121E-05	0.000319849	0.000342888
2072 Feb	65.89213562	0.059750997	0.013646954	0.001116295	14.83614254	0.030504348	5.253466606	0.001116295	0.001116295	5.58147E-06	0.007941657	0.001441887	0.010992528	0.026749974	5.58147E-06	22.35798073	2.07138E-05	0.000319879	0.000342926
2072 Mar	65.90464783	0.059762325	0.0136496	0.001116497	14.8389864	0.030509841	5.254470348	0.001116497	0.001116497	5.58249E-06	0.007943091	0.001442159	0.010994505	0.026755143	5.58249E-06	22.36227989	2.07176E-05	0.00031994	0.000342994
2072 Apr	66.11223602	0.059950557	0.013692625	0.001120009	14.88574028	0.030605774	5.271025181	0.001120009	0.001120009	5.60004E-06	0.007968069	0.0014467	0.011029074	0.026839467	5.60004E-06	22.43274879	2.07827E-05	0.000320947	0.000344076
2072 May	67.18978119	0.060927521	0.013915859	0.001138256	15.12837791	0.031104285	5.356938362	0.001138256	0.001138256	5.69128E-06	0.008097874	0.001470278	0.011208733	0.027277002	5.69128E-06	22.79842377	2.11213E-05	0.000326179	0.000349686
2072 Jun	65.67028046	0.059158944	0.013592108	0.001119917	14.74494076	0.030465631	5.219998837	0.001119917	0.001119917	5.59959E-06	0.007975319	0.001438502	0.011031357	0.026596453	5.59959E-06	22.23738098	2.08607E-05	0.000319299	0.000340132
2072 Jul	66.82685852	0.060030431	0.013822382	0.001143102	14.99296665	0.031095544	5.308660507	0.001143102	0.001143102	5.71551E-06	0.008135779	0.001465386	0.011254183	0.027047003	5.71551E-06	22.61433983	2.12732E-05	0.000324872	0.000345409
2072 Aug	66.59256744	0.059866413	0.013741675	0.001141765	14.95045853	0.031221772	5.294273376	0.001141765	0.001141765	5.70882E-06	0.008111634	0.001461466	0.011267842	0.026924079	5.70882E-06	22.52576065	2.11142E-05	0.000323477	0.000342908
2072 Sep	65.73057556	0.059312139	0.013528953	0.001128797	14.76765823	0.031013664	5.231059074	0.001128797	0.001128797	5.64399E-06	0.008015064	0.001443047	0.011164747	0.026546903	5.64399E-06	22.22449875	2.07852E-05	0.000319044	0.000337296
2072 Oct	63.69747925	0.058061007	0.013058956	0.001095328	14.32440662	0.030259745	5.078836441	0.001095328	0.001095328	5.47664E-06	0.007788713	0.00139845	0.010851244	0.025692163	5.47664E-06	21.52339935	2.01292E-05	0.000308737	0.000325562
2072 Nov	63.51794434	0.058009192	0.013012362	0.001092507	14.28662109	0.03021317	5.066353321	0.001092507	0.001092507	5.46253E-06	0.007770845	0.001394511	0.01082659	0.025613407	5.46253E-06	21.46016121	2.00701E-05	0.000307784	0.0003244
2072 Dec	63.53017807	0.058022115	0.013014724	0.00109272	14.28941345	0.03021954	5.067358017	0.00109272	0.00109272	5.4636E-06	0.007772401	0.001394779	0.010828754	0.02561825	5.4636E-06	21.46425819	2.00739E-05	0.000307842	0.000324459
2073 Jan	63.53500366	0.058027096	0.013015714	0.001092796	14.29053688	0.030221753	5.067757607	0.001092796	0.001092796	5.46398E-06	0.007772946	0.001394883	0.010829505	0.025620248	5.46398E-06	21.46592522	2.00753E-05	0.000307865	0.000324485
2073 Feb	63.54190445	0.058033369	0.013017194	0.001092904	14.29211998	0.030224666	5.068315506	0.001092904	0.001092904	5.46452E-06	0.007773702	0.001395032	0.010830547	0.025623137	5.46452E-06	21.46832275	2.00773E-05	0.000307898	0.000324523
2073 Mar	63.56792831	0.058057118	0.013022562	0.001093345	14.29798985	0.030236844	5.07039547	0.001093345	0.001093345	5.46673E-06	0.007776837	0.001395602	0.01083491	0.025633689	5.46673E-06	21.47715187	2.00854E-05	0.000308024	0.000324658
2073 Apr	64.00574493	0.05845698	0.013112276	0.001100872	14.3964777	0.030444983	5.105320454	0.001100872	0.001100872	5.50436E-06	0.007830372	0.001405213	0.010909493	0.025810275	5.50436E-06	21.62509537	2.02237E-05	0.000310146	0.000326895
2073 May	64.43404388	0.058762319	0.013236617	0.001103222	14.50341702	0.030453432	5.140947342	0.001103222	0.001103222	5.51611E-06	0.007843158	0.001413305	0.010920925	0.026032783	5.51611E-06	21.79926491	2.02871E-05	0.000312317	0.000330765
2073 Jun	62.46414185	0.056684762	0.012907399	0.00106067	14.07246017	0.029124754	4.982970715	0.00106067	0.00106067	5.30335E-06	0.007533993	0.00136767	0.01047569	0.02532668	5.30335E-06	21.18416786	1.95664E-05	0.000303099	0.000323811
2073 Jul	64.28833771	0.058271147	0.013280405	0.001092994	14.47983837	0.030019423	5.127698898	0.001092994	0.001092994	5.46497E-06	0.007760563	0.00140833	0.01079186	0.026061019	5.46497E-06	21.79802704	2.01476E-05	0.000311896	0.000333
2073 Aug	66.52828217	0.060265072	0.013736407	0.001132136	14.98538494	0.031132447	5.307441711	0.001132136	0.001132136	5.66068E-06	0.008032715	0.001458193	0.011177216	0.026966624	5.66068E-06	22.55570412	2.08305E-05	0.000322627	0.000344336
2073 Sep	66.23431396	0.060194757	0.013653502	0.001127993	14.92573929	0.031102005	5.287780762	0.001127993	0.001127993	5.63997E-06	0.008004174	0.0014519	0.011148561	0.026831048	5.63997E-06	22.45015144	2.07161E-05	0.000321031	0.00034216

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Oct	64.51950073	0.059169833	0.013255465	0.001099783	14.55181313	0.030467207	5.159610271	0.001099783	0.001099783	5.49891E-06	0.007814942	0.001414235	0.01088413	0.026108837	5.49891E-06	21.85800362	2.01685E-05	0.00031233	0.000332232
2073 Nov	64.25694275	0.05905664	0.013190906	0.001095524	14.49575806	0.030384257	5.140758514	0.001095524	0.001095524	5.47762E-06	0.007787158	0.001408462	0.010845469	0.025996234	5.47762E-06	21.76662445	2.00825E-05	0.000310963	0.000330629
2073 Dec	64.29804993	0.059096295	0.013199187	0.001096228	14.50507355	0.03040429	5.144076824	0.001096228	0.001096228	5.48114E-06	0.007792206	0.001409363	0.010852493	0.026012763	5.48114E-06	21.78050804	2.00953E-05	0.000311161	0.000330837
2074 Jan	64.30491638	0.059103221	0.013200598	0.001096338	14.50666237	0.030407453	5.14464283	0.001096338	0.001096338	5.48169E-06	0.007792992	0.001409511	0.010853578	0.026015596	5.48169E-06	21.78287506	2.00973E-05	0.000311194	0.000330874
2074 Feb	64.30891418	0.059106853	0.01320149	0.001096394	14.50759602	0.030408947	5.14496994	0.001096394	0.001096394	5.48197E-06	0.007793381	0.001409595	0.01085411	0.026017325	5.48197E-06	21.78429794	2.00983E-05	0.000311213	0.000330898
2074 Mar	64.34725952	0.059142079	0.013209401	0.001097041	14.51626492	0.030426864	5.148042202	0.001097041	0.001097041	5.48521E-06	0.007797976	0.001410434	0.010860504	0.026032904	5.48521E-06	21.79732513	2.01102E-05	0.000311399	0.000331098
2074 Apr	64.71994019	0.059484597	0.013285928	0.001103391	14.60034847	0.030602962	5.177860737	0.001103391	0.001103391	5.51696E-06	0.00784311	0.001418602	0.01092336	0.026183711	5.51696E-06	21.92358971	2.02266E-05	0.000313202	0.000333016
2074 May	65.1053009	0.059695572	0.013423157	0.001102108	14.7034502	0.030475633	5.210793018	0.001102108	0.001102108	5.51054E-06	0.007827818	0.001425005	0.010891325	0.026418094	5.51054E-06	22.10032654	2.02364E-05	0.000315224	0.000337654
2074 Jun	61.0574379	0.05562789	0.012699316	0.001019851	13.81241417	0.027994737	4.887735367	0.001019851	0.001019851	5.09926E-06	0.007233032	0.001332738	0.010041587	0.024914753	5.09926E-06	20.80666733	1.88065E-05	0.000296029	0.000321469
2074 Jul	63.85358429	0.058100209	0.013278804	0.001067805	14.43998909	0.029303903	5.10996294	0.001067805	0.001067805	5.33903E-06	0.007571656	0.0013943	0.01051168	0.026049219	5.33903E-06	21.75403404	1.96876E-05	0.00030959	0.000335951
2074 Aug	67.35600281	0.061279994	0.014003851	0.001126777	15.23277473	0.030939799	5.390706062	0.001126777	0.001126777	5.63389E-06	0.00798766	0.001471032	0.011093447	0.027475877	5.63389E-06	22.96628716	2.07586E-05	0.000326526	0.000354244
2074 Sep	66.56435394	0.060894039	0.013805093	0.001114749	15.06306553	0.030728927	5.333271503	0.001114749	0.001114749	5.57375E-06	0.007906383	0.001453893	0.010990933	0.027128492	5.57375E-06	22.66722488	2.04926E-05	0.000322419	0.000349124
2074 Oct	65.65779114	0.060480669	0.013581701	0.001100481	14.86703014	0.030445885	5.267260075	0.001100481	0.001100481	5.50241E-06	0.00781409	0.001434056	0.010861581	0.02673614	5.50241E-06	22.34906387	2.02089E-05	0.000317728	0.000343497
2074 Nov	65.63917542	0.060517665	0.013573245	0.001100288	14.86400032	0.030454885	5.266628742	0.001100288	0.001100288	5.50144E-06	0.007813876	0.001433645	0.010861148	0.026725583	5.50144E-06	22.34149551	2.02026E-05	0.000317599	0.000343286
2074 Dec	65.67392731	0.060551722	0.013580259	0.001100875	14.87191391	0.030471664	5.269448757	0.001100875	0.001100875	5.50438E-06	0.007818088	0.001434404	0.010866998	0.02673962	5.50438E-06	22.35327911	2.02133E-05	0.000317765	0.000343464
2075 Jan	65.68175507	0.060559586	0.013581877	0.001100999	14.87372684	0.030475214	5.270093918	0.001100999	0.001100999	5.50499E-06	0.007818973	0.001434572	0.010868216	0.026742859	5.50499E-06	22.35598183	2.02155E-05	0.000317803	0.000343506
2075 Feb	65.69542694	0.060572147	0.01358478	0.001101216	14.87685776	0.030481149	5.271199226	0.001101216	0.001101216	5.50608E-06	0.007820502	0.001434868	0.010870331	0.026748547	5.50608E-06	22.36070824	2.02195E-05	0.000317869	0.000343581
2075 Mar	65.76879883	0.060639776	0.013599994	0.001102439	14.8934927	0.03051497	5.277091026	0.001102439	0.001102439	5.5122E-06	0.007829183	0.001436469	0.010882391	0.026778487	5.5122E-06	22.38572311	2.0242E-05	0.000318224	0.000343967
2075 Apr	66.1211853	0.060964666	0.013672885	0.001108342	14.97330189	0.030678337	5.305367947	0.001108342	0.001108342	5.54171E-06	0.0078711	0.001444164	0.010940651	0.026922002	5.54171E-06	22.50568771	2.03504E-05	0.000319929	0.000345811
2075 May	67.08863831	0.061813407	0.013885803	0.001122982	15.19502735	0.031059749	5.383090496	0.001122982	0.001122982	5.61491E-06	0.007973745	0.001464883	0.011080757	0.027332105	5.61491E-06	22.8442955	2.06282E-05	0.000324655	0.000351428
2075 Jun	63.50275803	0.057900604	0.013135595	0.001073292	14.32330799	0.02947305	5.07213974	0.001073292	0.001073292	5.36646E-06	0.007630973	0.001388665	0.010593588	0.025784148	5.36646E-06	21.56030846	1.98324E-05	0.000308048	0.000330432
2075 Jul	64.03646851	0.058120158	0.013239461	0.001087074	14.42002773	0.029785927	5.106107235	0.001087074	0.001087074	5.43537E-06	0.007729838	0.001401686	0.010728033	0.02596595	5.43537E-06	21.71545792	2.01138E-05	0.000310844	0.000332204
2075 Aug	65.87373352	0.059761662	0.013611522	0.001119306	14.835392	0.030711973	5.253782272	0.001119306	0.001119306	5.59653E-06	0.007953255	0.001442621	0.011047489	0.0267068	5.59653E-06	22.33636093	2.06688E-05	0.000319636	0.000341424
2075 Sep	66.6568222	0.060567435	0.013762794	0.001133009	15.01484489	0.031127132	5.318054676	0.001133009	0.001133009	5.66505E-06	0.008051187	0.001459837	0.011188347	0.027016586	5.66505E-06	22.59910202	2.09045E-05	0.000323354	0.000345176
2075 Oct	66.21128082	0.060425732	0.013648719	0.001125961	14.920434	0.031003278	5.286747456	0.001125961	0.001125961	5.6298E-06	0.008006651	0.001450045	0.011125813	0.026822058	5.6298E-06	22.4424057	2.07608E-05	0.000321003	0.000342333
2075 Nov	66.35321045	0.060608204	0.013673532	0.00112848	14.95361328	0.031086674	5.298933029	0.00112848	0.00112848	5.6424E-06	0.008025681	0.001453146	0.011152126	0.026876748	5.6424E-06	22.48937607	2.08044E-05	0.000321652	0.000342959
2075 Dec	66.38710785	0.060643245	0.013680174	0.001129065	14.96134377	0.031103861	5.30170536	0.001129065	0.001129065	5.64532E-06	0.008029924	0.001453888	0.011158013	0.026890259	5.64532E-06	22.50077629	2.0815E-05	0.000321814	0.000343126
2076 Jan	66.3950882	0.060651403	0.013681817	0.00112919	14.96319866	0.031107487	5.30236578	0.00112919	0.00112919	5.64595E-06	0.008030823	0.001454059	0.011159251	0.026893564	5.64595E-06	22.50353622	2.08173E-05	0.000321852	0.000343169
2076 Feb	66.42214203	0.060676072	0.013687493	0.001129633	14.96934223	0.031119617	5.304537773	0.001129633	0.001129633	5.64817E-06	0.008033963	0.001454648	0.011163598	0.026904684	5.64817E-06	22.51280212	2.08255E-05	0.000321983	0.000343314
2076 Mar	66.49258423	0.060740396	0.013702064	0.001130822	14.98524284	0.031152321	5.31016922	0.001130822	0.001130822	5.65411E-06	0.008042412	0.001456188	0.011175329	0.026933305	5.65411E-06	22.53673172	2.08474E-05	0.000322324	0.000343681
2076 Apr	66.69888306	0.06092884	0.013744607	0.001134326	15.03175163	0.031248812	5.326648235	0.001134326	0.001134326	5.67163E-06	0.008067324	0.001460705	0.011209941	0.027016919	5.67163E-06	22.60668564	2.0912E-05	0.000323324	0.000344749
2076 May	67.62036896	0.061679348	0.013963957	0.001146278	15.24609089	0.031525247	5.400706768	0.001146278	0.001146278	5.73139E-06	0.008149313	0.001479916	0.011318026	0.027428048	5.73139E-06	22.94094849	2.11522E-05	0.000327888	0.000350808
2076 Jun	64.04189301	0.057894051	0.01333299	0.00107473	14.44672298	0.029297043	5.109837532	0.00107473	0.00107473	5.37365E-06	0.007632218	0.001398588	0.010574605	0.026092954	5.37365E-06	21.79059982	1.99406E-05	0.000311116	0.00033645
2076 Jul	65.48471069	0.059083931	0.013631487	0.001100708	14.76414871	0.029986776	5.222141266	0.001100708	0.001100708	5.50354E-06	0.007815357	0.001430763	0.010827675	0.026670728	5.50354E-06	22.27318573	2.04244E-05	0.000318165	0.000343698
2076 Aug	68.31304169	0.061624922	0.014213427	0.001149032	15.40348911	0.031339556	5.448642731	0.001149032	0.001149032	5.74516E-06	0.008154182	0.001493044	0.011306068	0.027818041	5.74516E-06	23.23322868	2.12879E-05	0.000331819	0.000358268
2076 Sep	69.14568329	0.062489998	0.014374544	0.001163484	15.59466839	0.031777542	5.517149448	0.001163484	0.001163484	5.81742E-06	0.008257759	0.001511308	0.011454319	0.028148336	5.81742E-06	23.51314354	2.15377E-05	0.000335769	0.000362288
2076 Oct	67.56454468	0.061493337	0.014009227	0.001137794	15.24771118	0.031191161	5.397925377	0.001137794	0.001137794	5.68897E-06	0.008084568	0.001476707	0.011213173	0.027481254	5.68897E-06	22.9658947	2.10393E-05	0.000327778	0.000353107
2076 Nov	67.37472534	0.061419394	0.013961499	0.001134807	15.20707703	0.031135594	5.384345531	0.001134807	0.001134807	5.67403E-06	0.00806543	0.001472549	0.011186419	0.027398692	5.67403E-06	22.89918518	2.09788E-05	0.000326785	0.00035191
2076 Dec	67.41221619	0.06145554	0.013969102	0.001135442	15.2155838	0.031153558	5.387373447	0.001135442	0.001135442	5.67721E-06	0.00806999	0.001473368	0.011192739	0.027413832	5.67721E-06	22.91188431	2.09905E-05	0.000326966	0.000352101
2077 Jan	67.41775513	0.061461229	0.013970247	0.001135528	15.21687317	0.031156039	5.387832642	0.001135528	0.001135528	5.67764E-06	0.008070605	0.001473487	0.011193584	0.027416134	5.67764E-06	22.9138031	2.0992E-05	0.000326992	0.000352132
2077 Feb	67.427742	0.061470304	0.013972388	0.001135684	15.21916103	0.03116026	5.388638496	0.001135684	0.001135684	5.67842E-06	0.008071705	0.001473702	0.011195097	0.027420312	5.67842E-06	22.91726875	2.09949E-05	0.00032704	0.000352188
2077 Mar	67.45428467	0.061494488	0.01397793	0.001136125	15.22517204	0.031172313	5.390764713	0.001136125	0.001136125	5.68062E-06	0.008074829	0.001474281	0.011199426	0.027431173	5.68062E-06	22.92633057	2.10031E-05	0.000327169	0.000352328
2077 Apr	67.7069397	0.061724808	0.014030308	0.001140376	15.28221035	0.031288944	5.410959244	0.001140376	0.001140376	5.70188E-06	0.008105045	0.001479802	0.011241329	0.027533956	5.70188E-06	23.0122261	2.10817E-05	0.000328395	0.000353649
2077 May	68.28575134	0.062175598	0.014175368	0.001146944	15.41858768	0.03142387	5.45763731	0.001146944	0.001146944	5.73472E-06	0.008149151	0.001491623	0.011297412	0.027801709	5.73472E-06	23.22770882	2.12202E-05	0.000331284	0.00035778
2077 Jun	64.59342957	0.058348231	0.013501646	0.001075852	14.58952522	0.029244395	5.157501698	0.001075852	0.001075852	5.37926E-06	0.007637128	0.001408436	0.010565039	0.026396159	5.37926E-06	22.0247364	2.00029E-05	0.000313891	0.000341994
2077 Jul	67.70029449	0.061054934	0.014149019	0.001129306	15.28266716	0.030673299	5.402397633	0.001129306	0.001129306	5.64653E-06	0.008016832	0.001476668	0.011089358	0.027653435	5.64653E-06	23.07481003	2.10063E-05	0.000329066	0.000358089
2077 Aug	70.73780823	0.06379237	0.014777361	0.001180627	15.97012043	0.032100879	5.645638466	0.001180627	0.001180627	5.90314E-06	0.008377602	0.001543277	0.011597551	0.028889038	5.90314E-06	24.10819244	2.19314E-05	0.000343764	0.000373892
2077 Sep	68.33581543	0.062053505	0.014226682	0.0011425	15.44187737	0.031246997	5.462143421	0.0011425	0.0011425	5.7125E-06	0.008109003	0.001491229	0.01124979	0.027871564	5.7125E-06	23.27624512	2.11398E-05	0.000331718	0.000359744
2077 Oct	67.85336304	0.061921235	0.01410065	0.001135026	15.33983898	0.031123847	5.428517342	0.001135026	0.001135026	5.67513E-06	0.008062384	0.001480653	0.01118451	0.027658671	5.67513E-06	23.10544205	2.09854E-05	0.000329155	0.000356585
2077 Nov	68.03452301	0.06209749	0.014137369	0.00113808	15.38103771	0.031210508	5.443185806	0.00113808	0.00113808	5.6904E-06	0.008084309	0.001484606	0.011214903	0.027731918	5.6904E-06	23.16688347	2.10413E-05	0.000330026	0.000357514
2077 Dec	68.07009888	0.062131569	0.014144624	0.001138679	15.38911533	0.031227352	5.446057796	0.001138679	0.001138679	5.69339E-06	0.008088595	0.001485382	0.011220845	0.027746331	5.69339E-06	23.17896271	2.10523E-05	0.000330198	0.000357698
2078 Jan	68.08283234	0.062143713	0.014147267	0.001138886	15.39202595	0.031233136	5.447090149	0.001138886	0.001138886	5.69443E-06	0.00809007	0.001485658	0.011222884	0.027751561	5.69443E-06	23.18332863	2.10561E-05	0.000330259	0.000357766
2078 Feb	68.09403229	0.062153913	0.014149653	0.001139064	15.39458656	0.031237956	5.447993279	0.001139064	0.001139064	5.69532E-06	0.008091324	0.0014859	0.011224614	0.027756222	5.69532E-06	23.18720055	2.10594E-05	0.000330313	0.000357828
2078 Mar	68.11385345	0.062171996	0.014153806	0.00113939	15.39908314	0.031246876	5.449583054	0.00113939	0.00113939	5.69695E-06	0.008093638	0.001486331	0.011227818	0.027764356	5.69695E-06	23.19398308	2.10654E-05	0.000330409	0.000357934
2078 Apr	68.57209778	0.062590256	0.014249044	0.001147052	15.50269032	0.031456992	5.486247063	0.001147052	0.001147052	5.73526E-06	0.008148064	0.00149633	0.011303318	0.027951172	5.73526E-06	23.35004044	2.12071E-05	0.000332632	0.000360343
2078 May	68.53307343	0.062341481	0.014311745	0.001137372	15.51038837	0.031065134	5.484422684	0.001137372	0.001137372	5.68686E-06	0.008071969	0.001493117	0.011183811	0.02802678	5.68686E-06	23.38992691	2.10756E-05	0.000332673	0.000363267
2078 Jun	65.41442871	0.059162904	0.013751568	0.001074998	14.8196249	0.029173452	5.23402071	0.001074998	0.001074998	5.37499E-06	0.007620844	0.001422317	0.010539463	0.026860755	5.37499E-06	22.38780022	1.99946E-05	0.000317915	0.000350561
2078 Jul	68.82654572	0.062190883	0.014465885	0.001132136	15.58998013	0.030731412	5.506517887	0.001132136	0.001132136	5.66068E-06	0.008023125	0.00149712	0.011096708	0.028258441	5.66068E-06	23.55213165	2.10434E-05	0.000334445	0.000368647
2078 Aug	70.54962158	0.063689947	0.014816852	0.001162255	15.98167038	0.031610351	5.646043301	0.001162255	0.001162255	5.81127E-06	0.00822748	0.001535891	0.011390309	0.028961297	5.81127E-06	24.13837814	2.15413E-05	0.0003426	0.000377427
2078 Sep	71.38085175	0.064523071	0.014976801	0.001176786	16.17425537	0.032067433	5.714634418	0.001176786	0.001176786	5.88393E-06	0.008328073	0.001554221	0.011543795	0.029289847	5.88393E-06	24.41841507	2.17713E-05	0.00034654	0.00038136
2078 Oct	70.79985809	0.064227074	0.014835144	0.001167753	16.04753304	0.031882625	5.671751022	0.001167753	0.001167753	5.83877E-06	0.008269066	0.001541563	0.011461547	0.029038455	5.83877E-06	24.21422768	2.15921E-05	0.000343553	0.000377762
2078 Nov	70.81839752	0.0643038	0.014833863	0.001168201	16.05302238	0.031910889	5.674184799	0.001168201	0.001168201	5.84101E-06	0.008273525	0.001541965	0.011467609	0.029042661	5.84101E-06	24.21914482	2.15973E-05	0.0003436	0.000377732
2078 Dec	70.84523773	0.064330034	0.014839326	0.001168649	16.05914879	0.031923607	5.676365376	0.001168649	0.001168649	5.84324E-06	0.008276733	0.001542549	0.011472051	0.029053567	5.84324E-06	24.22828293	2.16054E-05	0.000343729	0.000377871
2079 Jan	70.84857941	0.064333685	0.014840021	0.001168697	16.05994225	0.031925052	5.676648617	0.001168697	0.001168697	5.84349E-06	0.008277083	0.00154262	0.011472527	0.029054977	5.84349E-06	24.22945786	2.16063E-05	0.000343744	0.00037789
2079 Feb	70.85059357	0.064335495	0.01484051	0.00116872	16.06043053	0.031925604	5.676817417	0.00116872	0.00116872	5.8436E-06	0.008277231	0.001542661	0.011472723	0.029055912	5.8436E-06	24.23021126	2.16067E-05	0.000343754	0.000377905
2079 Mar	70.90029144	0.064380608	0.014850955	0.001169533	16.07171249	0.031947803	5.680803776	0.001169533	0.001169533	5.84767E-06	0.008282989	0.001543742	0.011480698	0.029076351	5.84767E-06	24.24724388	2.16218E-05	0.000343995	0.000378171
2079 Apr	71.18054199	0.064635076	0.014909678	0.001174153	16.135252	0.032073971	5.703260422	0.001174153	0.001174153	5.87076E-06	0.008315702	0.001549843	0.011526037	0.029191317	5.87076E-06	24.34310722	2.17072E-05	0.000345355	0.000379667
2079 May	72.34190369	0.065677665	0.015156629	0.001192852	16.3992939	0.032577869	5.79635334	0.001192852	0.001192852	5.96426E-06	0.008447752	0.00157501	0.011708308	0.029672276	5.96426E-06	24.74298286	2.20555E-05	0.000351002	0.000386023
2079 Jun	67.38757324	0.060442317	0.014170137	0.001112985	15.23725224	0.030111006	5.37996006	0.001112985	0.001112985	5.56493E-06	0.007883346	0.001467193	0.01090676	0.027639544	5.56493E-06	23.03696251	2.07126E-05	0.000327794	0.000360204
2079 Jul	67.74729156	0.060526192	0.014242658	0.00112258	15.30059147	0.030322189	5.402078152	0.00112258	0.00112258	5.6129E-06	0.007950081	0.001476232	0.010997453	0.027763704	5.6129E-06	23.14140129	2.09044E-05	0.000329681	0.000361422
2079 Aug	70.44438934	0.062898599	0.014802799	0.00116838	15.91057682	0.031597599	5.618206978	0.00116838	0.00116838	5.8419E-06	0.008268719	0.001535825	0.011444724	0.028866488	5.8419E-06	24.06067848	2.17186E-05	0.000342666	0.000375537
2079 Sep	69.5562973	0.062463865	0.014580777	0.001154866	15.7194376	0.031353451	5.553575516	0.001154866	0.001154866	5.77433E-06	0.008178128	0.001516592	0.011327809	0.028477618	5.77433E-06	23.74759102	2.14261E-05	0.000338063	0.000369831
2079 Oct	68.6370163	0.061974838	0.014359085	0.001140396	15.51899719	0.031051164	5.485548019	0.001140396	0.001140396	5.70198E-06	0.008082801	0.001496543	0.011195089	0.028082382	5.70198E-06	23.42585754	2.11394E-05	0.000333349	0.000364222
2079 Nov	68.26154327	0.061817978	0.014264835	0.001134588	15.4380579	0.03094204	5.458447933	0.001134588	0.001134588	5.67294E-06	0.008045501	0.001488355	0.011143055	0.02791854	5.67294E-06	23.29343987	2.10219E-05	0.000331392	0.000361839
2079 Dec	67.9917984	0.061716892	0.014196136	0.001130441	15.38016415	0.030867428	5.439163208	0.001130441	0.001130441	5.65221E-06	0.008019132	0.001482471	0.011106246	0.027800193	5.65221E-06	23.19804573	2.09373E-05	0.000329978	0.000360102
2080 Jan	67.9938736	0.061720029	0.014196556	0.001130463	15.38070869	0.030868275	5.439361095	0.001130463	0.001130463	5.65231E-06	0.008019297	0.001482513	0.011106459	0.027801126	5.65231E-06	23.19881821	2.09376E-05	0.000329987	0.000360115
2080 Feb	68.00291443	0.061728198	0.014198573	0.001130591	15.38281536	0.030871674	5.440099239	0.001130591	0.001130591	5.65296E-06	0.008020191	0.001482704	0.011107676	0.027805032	5.65296E-06	23.20203209	2.094E-05	0.000330031	0.00036017
2080 Mar	68.01050568	0.061735068	0.01420023	0.001130706	15.38456726	0.030874737	5.440715313	0.001130706	0.001130706	5.65353E-06	0.008020992	0.001482867	0.011108776	0.027808253	5.65353E-06	23.20469284	2.09422E-05	0.000330067	0.000360214
2080 Apr	68.18769836	0.061895896	0.014237266	0.001133645	15.42466736	0.030954961	5.454894066	0.001133645	0.001133645	5.66822E-06	0.008041836	0.001486729	0.011137639	0.027880767	5.66822E-06	23.26518822	2.09966E-05	0.000330927	0.000361155
2080 May	69.32455444	0.062926173	0.014475171	0.001152478	15.68195438	0.031468239	5.545848846	0.001152478	0.001152478	5.76239E-06	0.008175379	0.001511498	0.011322482	0.028346295	5.76239E-06	23.6534729	2.13458E-05	0.000336447	0.000367199
2080 Jun	67.18393707	0.060516227	0.014019147	0.001125267	15.15126801	0.030571576	5.356755733	0.001125267	0.001125267	5.62634E-06	0.007989869	0.0014666	0.011058152	0.0274009	5.62634E-06	22.87264824	2.09259E-05	0.000326609	0.000354033
2080 Jul	67.16651917	0.06021921	0.014004556	0.001130378	15.12469006	0.030672491	5.3478055	0.001130378	0.001130378	5.65189E-06	0.008023442	0.001468153	0.011103964	0.027359311	5.65189E-06	22.84017754	2.10223E-05	0.000326612	0.000352802
2080 Aug	68.70861053	0.061552484	0.014315153	0.00115797	15.47360897	0.031481218	5.472212791	0.00115797	0.00115797	5.78985E-06	0.008210716	0.001503029	0.011374705	0.02798244	5.78985E-06	23.36133957	2.14759E-05	0.000333911	0.000360463

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Sep	68.2806778	0.061332904	0.014199975	0.001152207	15.38434982	0.031429477	5.441844463	0.001152207	0.001152207	5.76104E-06	0.008167231	0.001494053	0.011335967	0.027786065	5.76104E-06	23.20785141	2.13069E-05	0.000331655	0.000357331
2080 Oct	67.42087555	0.060888734	0.013990796	0.001138812	15.19694805	0.031155378	5.378391743	0.001138812	0.001138812	5.69406E-06	0.008079315	0.001475335	0.011213798	0.0274147	5.69406E-06	22.90605164	2.10398E-05	0.000327234	0.000352022
2080 Nov	66.94696045	0.060705833	0.013869985	0.001131603	15.0949316	0.031025967	5.344390392	0.001131603	0.001131603	5.65802E-06	0.008033415	0.001465025	0.011149938	0.027206264	5.65802E-06	22.73809242	2.08923E-05	0.000324751	0.000348955
2080 Dec	66.9466095	0.060724892	0.013868178	0.001131654	15.09524822	0.031032639	5.344666004	0.001131654	0.001131654	5.65827E-06	0.008034186	0.00146502	0.011150985	0.027204938	5.65827E-06	22.73746109	2.08921E-05	0.000324735	0.000348908
2081 Jan	66.95653534	0.060734738	0.01387023	0.001131812	15.09753799	0.031037141	5.345479965	0.001131812	0.001131812	5.65906E-06	0.008035315	0.001465234	0.011152539	0.027209036	5.65906E-06	22.74088097	2.0895E-05	0.000324783	0.000348962
2081 Feb	66.96279144	0.060740381	0.01387162	0.001131902	15.09899235	0.031039523	5.345990181	0.001131902	0.001131902	5.65951E-06	0.008035939	0.001465367	0.011153392	0.027211731	5.65951E-06	22.74309921	2.08967E-05	0.000324813	0.000348999
2081 Mar	66.9859314	0.060761359	0.013876467	0.001132284	15.10423565	0.031049967	5.347844124	0.001132284	0.001132284	5.66142E-06	0.008038648	0.001465871	0.011157144	0.02722122	5.66142E-06	22.75101089	2.09038E-05	0.000324925	0.000349122
2081 Apr	67.25234222	0.061002981	0.013931762	0.001136769	15.16435814	0.031172877	5.369125366	0.001136769	0.001136769	5.68385E-06	0.008070477	0.001471697	0.011201306	0.027329655	5.68385E-06	22.84160042	2.09866E-05	0.000326218	0.000350516
2081 May	67.7749939	0.061333302	0.014085872	0.001139831	15.29260063	0.03117439	5.411605358	0.001139831	0.001139831	5.69915E-06	0.008087293	0.001481647	0.011215477	0.027601169	5.69915E-06	23.05330467	2.10734E-05	0.0003289	0.000355258
2081 Jun	65.84056091	0.059332062	0.013739518	0.001101381	14.86212635	0.029997207	5.255442142	0.001101381	0.001101381	5.50691E-06	0.007809287	0.001437794	0.01081737	0.026876641	5.50691E-06	22.43037987	2.04123E-05	0.000319774	0.000347356
2081 Jul	69.67921448	0.062757879	0.014539413	0.001166201	15.72612286	0.031758644	5.561019421	0.001166201	0.001166201	5.831E-06	0.00826844	0.001521851	0.011453346	0.028439984	5.831E-06	23.73525047	2.16132E-05	0.000338425	0.000367484
2081 Aug	73.56451416	0.066253826	0.015346539	0.001231617	16.6039257	0.03355889	5.871584892	0.001231617	0.001231617	6.15808E-06	0.008730134	0.001606936	0.012097755	0.030023154	6.15808E-06	25.05767441	2.28086E-05	0.000357254	0.000387829
2081 Sep	74.07917786	0.066836484	0.015436685	0.001241084	16.72522926	0.033886902	5.915318966	0.001241084	0.001241084	6.20542E-06	0.008795833	0.001618389	0.012202458	0.030219195	6.20542E-06	25.22813034	2.29439E-05	0.000359632	0.000389977
2081 Oct	73.96808624	0.066919573	0.015397957	0.001239621	16.70419884	0.033895802	5.909377575	0.001239621	0.001239621	6.1981E-06	0.008789364	0.001615946	0.012193091	0.030163838	6.1981E-06	25.18616867	2.29072E-05	0.00035896	0.000389009
2081 Nov	73.23213196	0.066465169	0.015226784	0.001227746	16.54266739	0.033627417	5.85395956	0.001227746	0.001227746	6.13873E-06	0.008709664	0.001599849	0.012082076	0.029852139	6.13873E-06	24.93081474	2.26767E-05	0.000355236	0.000384696
2081 Dec	73.20337677	0.066473752	0.015217858	0.001227339	16.53693962	0.03362551	5.85221529	0.001227339	0.001227339	6.1367E-06	0.008707516	0.001599218	0.012079022	0.029838521	6.1367E-06	24.92024422	2.26674E-05	0.000355071	0.000384473
2082 Jan	73.20801544	0.066479206	0.015218815	0.001227403	16.53806305	0.033627499	5.852617741	0.001227403	0.001227403	6.13701E-06	0.008707979	0.001599315	0.012079645	0.029840503	6.13701E-06	24.92189407	2.26685E-05	0.000355093	0.0003845
2082 Feb	73.22272491	0.06649252	0.015222013	0.001227626	16.54145241	0.033633504	5.853809834	0.001227626	0.001227626	6.13813E-06	0.008709545	0.00159963	0.012081797	0.029846724	6.13813E-06	24.92703819	2.26727E-05	0.000355164	0.000384584
2082 Mar	73.26904297	0.066534549	0.015231717	0.00122839	16.55195045	0.033654369	5.857521057	0.00122839	0.00122839	6.14195E-06	0.008714954	0.001600639	0.01208929	0.029865725	6.14195E-06	24.94288254	2.26868E-05	0.000355389	0.000384831
2082 Apr	73.50442505	0.066748291	0.015280694	0.00123233	16.60514641	0.03376225	5.876344204	0.00123233	0.00123233	6.16165E-06	0.008742895	0.001605779	0.012128042	0.029961742	6.16165E-06	25.02305603	2.27595E-05	0.00035653	0.00038607
2082 May	74.6587677	0.067796268	0.015520762	0.00125167	16.86594391	0.034291964	5.968631268	0.00125167	0.00125167	6.25835E-06	0.008880097	0.001630994	0.012318349	0.030432399	6.25835E-06	25.41609955	2.31168E-05	0.00036213	0.000392137
2082 Jun	69.54460144	0.062375352	0.014440573	0.001180155	15.6327467	0.032079265	5.529929161	0.001180155	0.001180155	5.90078E-06	0.008385189	0.001522291	0.011620503	0.028228076	5.90078E-06	23.58947945	2.19344E-05	0.000338241	0.000362133
2082 Jul	67.97064972	0.060494717	0.014098962	0.001162449	15.23461914	0.031480771	5.388567924	0.001162449	0.001162449	5.81224E-06	0.008262563	0.001490241	0.011446267	0.027519833	5.81224E-06	23.00510979	2.16576E-05	0.000330989	0.000351957
2082 Aug	70.60131836	0.062828079	0.014636654	0.001208293	15.82646561	0.0327654	5.598287582	0.001208293	0.001208293	6.04146E-06	0.008583515	0.001548439	0.0119018	0.028579466	6.04146E-06	23.89335442	2.2473E-05	0.000343702	0.000365261
2082 Sep	71.38448334	0.063653417	0.014784387	0.001222252	16.00649834	0.033200033	5.662923813	0.001222252	0.001222252	6.11126E-06	0.00868307	0.001565717	0.012047512	0.028885785	6.11126E-06	24.15464401	2.27064E-05	0.000347401	0.000368882
2082 Oct	68.77116394	0.061853796	0.014196812	0.001178866	15.43167591	0.032164417	5.463959694	0.001178866	0.001178866	5.89433E-06	0.008386236	0.001508406	0.011634731	0.027797321	5.89433E-06	23.25722313	2.18719E-05	0.000334298	0.000354204
2082 Nov	68.87825775	0.061988555	0.014215485	0.001180814	15.4564743	0.032227971	5.473062992	0.001180814	0.001180814	5.90407E-06	0.008400933	0.001510759	0.01165506	0.027838232	5.90407E-06	23.2924099	2.1906E-05	0.000334791	0.000354666
2082 Dec	68.91863251	0.062026739	0.014223664	0.00118151	15.46557808	0.032247446	5.476301193	0.00118151	0.00118151	5.90755E-06	0.00840592	0.001511645	0.011661976	0.027854456	5.90755E-06	23.30602455	2.19188E-05	0.000334986	0.000354871
2083 Jan	68.92900848	0.062036693	0.014225804	0.00118168	15.4679451	0.032252226	5.477141857	0.00118168	0.00118168	5.9084E-06	0.008407139	0.00151187	0.011663658	0.027858699	5.9084E-06	23.30957222	2.19219E-05	0.000335036	0.000354925
2083 Feb	68.95560455	0.062060621	0.014231363	0.001182125	15.47394753	0.032264296	5.479264259	0.001182125	0.001182125	5.91062E-06	0.008410291	0.001512451	0.011668021	0.027869562	5.91062E-06	23.31863594	2.19302E-05	0.000335165	0.000355066
2083 Mar	69.01350403	0.062112719	0.01424335	0.001183111	15.4869585	0.032291181	5.483869076	0.001183111	0.001183111	5.91555E-06	0.008417303	0.001513719	0.011677742	0.027893024	5.91555E-06	23.33825302	2.19485E-05	0.000335446	0.000355366
2083 Apr	69.31139374	0.062380817	0.014304851	0.001188214	15.55381584	0.03243044	5.507541656	0.001188214	0.001188214	5.94107E-06	0.008453605	0.001520252	0.011728104	0.028013455	5.94107E-06	23.43901062	2.20432E-05	0.000336894	0.000356901
2083 May	70.11863708	0.062983774	0.014510572	0.00119715	15.7436018	0.032602102	5.57222271	0.00119715	0.00119715	5.98575E-06	0.008513221	0.001536678	0.011802906	0.028389735	5.98575E-06	23.74091339	2.22363E-05	0.000340949	0.000362772
2083 Jun	66.15618896	0.058957025	0.013786086	0.001119948	14.86016273	0.030265888	5.252726555	0.001119948	0.001119948	5.59974E-06	0.00795664	0.001447212	0.011008746	0.02688802	5.59974E-06	22.45530701	2.08995E-05	0.000322196	0.000345979
2083 Jul	67.72402191	0.060223777	0.01410807	0.001148768	15.20428658	0.031041142	5.374833584	0.001148768	0.001148768	5.74384E-06	0.00815783	0.001482566	0.011287671	0.027514502	5.74384E-06	22.97816658	2.14242E-05	0.000329804	0.00035374
2083 Aug	68.96369171	0.061207376	0.014350563	0.001172686	15.48408318	0.031780373	5.475985527	0.001172686	0.001172686	5.86343E-06	0.008312212	0.001512019	0.01151391	0.028015716	5.86343E-06	23.39466476	2.17717E-05	0.000335448	0.000359603
2083 Sep	68.44639587	0.061071638	0.014212173	0.001164882	15.37612629	0.03167237	5.440432072	0.001164882	0.001164882	5.82441E-06	0.008262013	0.001500769	0.011449549	0.027784601	5.82441E-06	23.21087456	2.15947E-05	0.000332678	0.000356087
2083 Oct	66.35205078	0.059795283	0.013725113	0.001130812	14.91828823	0.030908599	5.283467293	0.001130812	0.001130812	5.65406E-06	0.008032718	0.001454927	0.011130692	0.026900208	5.65406E-06	22.48606873	2.09287E-05	0.000322052	0.000343873
2083 Nov	65.77575684	0.059463076	0.013589387	0.001121492	14.79270267	0.030705202	5.240580082	0.001121492	0.001121492	5.60746E-06	0.007970409	0.001442318	0.011044008	0.026655722	5.60746E-06	22.28613472	2.07453E-05	0.000319113	0.000340469
2083 Dec	65.79901123	0.059486516	0.01359399	0.001121893	14.79798794	0.030716831	5.242472172	0.001121893	0.001121893	5.60947E-06	0.007973312	0.001442828	0.011048025	0.026665021	5.60947E-06	22.29396439	2.07526E-05	0.000319225	0.000340585
2084 Jan	65.8033371	0.059491124	0.013594882	0.001121958	14.79900455	0.030718755	5.242834568	0.001121958	0.001121958	5.60979E-06	0.007973782	0.00144292	0.011048666	0.026666829	5.60979E-06	22.29547119	2.07538E-05	0.000319245	0.000340609
2084 Feb	65.8132782	0.059500098	0.013597017	0.001122114	14.80128002	0.030722961	5.243636131	0.001122114	0.001122114	5.61057E-06	0.00797488	0.001443135	0.011050175	0.026670991	5.61057E-06	22.29892159	2.07567E-05	0.000319293	0.000340664
2084 Mar	65.86826324	0.059549794	0.013608421	0.001123045	14.81366825	0.03074839	5.248022556	0.001123045	0.001123045	5.61522E-06	0.007981485	0.001444338	0.011059321	0.026693344	5.61522E-06	22.31759644	2.07739E-05	0.00031956	0.000340951
2084 Apr	66.28800201	0.059929259	0.013695162	0.001130197	14.90807629	0.030944197	5.281467438	0.001130197	0.001130197	5.65098E-06	0.008032313	0.001453541	0.011129745	0.026863482	5.65098E-06	22.45983315	2.09062E-05	0.000321596	0.000343125
2084 May	67.0544281	0.060475387	0.013905368	0.001136527	15.09333229	0.031027764	5.343845844	0.001136527	0.001136527	5.68264E-06	0.008071842	0.001468609	0.011173927	0.027242459	5.68264E-06	22.75931358	2.10566E-05	0.000325467	0.000349415
2084 Jun	63.33034515	0.056790221	0.013212722	0.001064559	14.26571751	0.02888944	5.045516014	0.001064559	0.001064559	5.32279E-06	0.007553598	0.001384712	0.010437462	0.025822971	5.32279E-06	21.54754257	1.97933E-05	0.000307736	0.000333291
2084 Jul	65.56571198	0.058712546	0.013676252	0.001103557	14.76412392	0.029944435	5.222074509	0.001103557	0.001103557	5.51778E-06	0.007828182	0.001434242	0.010817083	0.02672771	5.51778E-06	22.30224991	2.0511E-05	0.000318583	0.000344783
2084 Aug	67.63768768	0.060552239	0.014099967	0.001139433	15.23270226	0.030963315	5.388305187	0.001139433	0.001139433	5.69716E-06	0.00807721	0.001480201	0.011172081	0.027566848	5.69716E-06	23.00462151	2.1136E-05	0.000328537	0.000355338
2084 Sep	67.31700897	0.06041839	0.014012232	0.001135004	15.16678238	0.030927032	5.366069794	0.001135004	0.001135004	5.67502E-06	0.0080446	0.00147341	0.011142434	0.027419519	5.67502E-06	22.88980484	2.10076E-05	0.000326829	0.000352983
2084 Oct	66.05757904	0.059732601	0.013712722	0.001114649	14.89322281	0.030491481	5.27289629	0.001114649	0.001114649	5.57325E-06	0.007909578	0.001445793	0.010954604	0.026883127	5.57325E-06	22.45214462	2.06067E-05	0.00032039	0.000345475
2084 Nov	65.69939423	0.059568003	0.013625092	0.001108896	14.81624794	0.03037711	5.246941566	0.001108896	0.001108896	5.54448E-06	0.007871975	0.001437936	0.010902239	0.02672931	5.54448E-06	22.32722473	2.04912E-05	0.000318534	0.000343287
2084 Dec	65.73239136	0.059599914	0.013631767	0.001109457	14.82373428	0.03039301	5.249608994	0.001109457	0.001109457	5.54728E-06	0.007876	0.001438658	0.010907811	0.026742628	5.54728E-06	22.33839607	2.05015E-05	0.000318693	0.000343455
2085 Jan	65.73477936	0.059602741	0.013632259	0.00110949	14.82431507	0.030394042	5.249816895	0.00110949	0.00110949	5.54745E-06	0.00787624	0.001438708	0.010908133	0.026743652	5.54745E-06	22.33924866	2.0502E-05	0.000318704	0.000343469
2085 Feb	65.74531555	0.059612267	0.013634517	0.001109655	14.82672405	0.03039851	5.250666142	0.001109655	0.001109655	5.54828E-06	0.007877404	0.001438936	0.010909734	0.026748054	5.54828E-06	22.34289932	2.05051E-05	0.000318755	0.000343528
2085 Mar	65.76636505	0.05963134	0.013638923	0.001110004	14.83148956	0.030408027	5.252351761	0.001110004	0.001110004	5.55002E-06	0.007879873	0.001439395	0.010913148	0.026756683	5.55002E-06	22.35009193	2.05116E-05	0.000318857	0.00034364
2085 Apr	65.9929657	0.059836794	0.013685939	0.001113825	14.8826046	0.030512674	5.270451546	0.001113825	0.001113825	5.56912E-06	0.007906993	0.001444353	0.010950704	0.02684891	5.56912E-06	22.42712212	2.05822E-05	0.000319955	0.000344825
2085 May	66.62705994	0.060291704	0.013860606	0.001118884	15.03653336	0.030577347	5.322238445	0.001118884	0.001118884	5.59442E-06	0.007938303	0.001456767	0.010985521	0.027163876	5.59442E-06	22.67589188	2.07029E-05	0.000323157	0.000350075
2085 Jun	65.99049377	0.059506934	0.013785954	0.001101348	14.90315342	0.029981999	5.271207333	0.001101348	0.001101348	5.50674E-06	0.007808345	0.001441037	0.010793081	0.026975023	5.50674E-06	22.4995327	2.0424E-05	0.000320296	0.000349185
2085 Jul	68.98892212	0.062151421	0.014408511	0.00115254	15.57821274	0.031389829	5.510573864	0.00115254	0.00115254	5.7627E-06	0.008167551	0.001507252	0.01129102	0.028198006	5.7627E-06	23.51870346	2.13529E-05	0.000334764	0.000364837
2085 Aug	69.46472931	0.062555641	0.01449204	0.001162314	15.68942165	0.03173954	5.550742626	0.001162314	0.001162314	5.81157E-06	0.008227027	0.00151876	0.011394014	0.028381502	5.81157E-06	23.67623711	2.14578E-05	0.000336874	0.000366711
2085 Sep	67.94264984	0.061544392	0.0141349	0.00113825	15.35813046	0.031234453	5.436237335	0.00113825	0.00113825	5.69125E-06	0.008058184	0.001485737	0.011179596	0.027731679	5.69125E-06	23.14780045	2.09442E-05	0.000329173	0.000357539
2085 Oct	66.63306427	0.060756184	0.013829873	0.001116896	15.07227993	0.030757837	5.33825779	0.001116896	0.001116896	5.58448E-06	0.007914614	0.001457037	0.010980296	0.027178477	5.58448E-06	22.69469261	2.05263E-05	0.000322526	0.000349897
2085 Nov	65.97157288	0.060351964	0.013676283	0.001106103	14.92772102	0.030515214	5.288657188	0.001106103	0.001106103	5.53052E-06	0.007841947	0.001442542	0.010879415	0.026899295	5.53052E-06	22.46590233	2.03155E-05	0.000319174	0.000346047
2085 Dec	65.9861145	0.060367726	0.013679088	0.001106352	14.93106365	0.03052274	5.289862156	0.001106352	0.001106352	5.53176E-06	0.007843766	0.001442859	0.010881933	0.026905088	5.53176E-06	22.47079659	2.03199E-05	0.000319242	0.000346118
2086 Jan	65.98961639	0.060371667	0.013679811	0.001106402	14.93190098	0.030524272	5.290161133	0.001106402	0.001106402	5.53201E-06	0.00784413	0.001442933	0.010882426	0.02690657	5.53201E-06	22.47203064	2.03208E-05	0.000319259	0.000346138
2086 Feb	65.99442291	0.060376029	0.013680892	0.001106469	14.93302917	0.030526044	5.290556431	0.001106469	0.001106469	5.53235E-06	0.007844592	0.001443035	0.010883057	0.026908668	5.53235E-06	22.47375298	2.03221E-05	0.000319282	0.000346168
2086 Mar	66.02095032	0.060400274	0.013686436	0.001106907	14.93905163	0.030538063	5.292687416	0.001106907	0.001106907	5.53453E-06	0.007847686	0.001443613	0.01088734	0.026919555	5.53453E-06	22.48283005	2.03301E-05	0.00031941	0.000346309
2086 Apr	66.324646	0.060678098	0.013749419	0.001111994	15.00778294	0.030678395	5.317036629	0.001111994	0.001111994	5.55997E-06	0.00788375	0.001450252	0.010937369	0.027043425	5.55997E-06	22.5862751	2.04236E-05	0.00032088	0.000347904
2086 May	67.35636139	0.061586522	0.013975786	0.001127669	15.2443285	0.03108949	5.400043011	0.001127669	0.001127669	5.63835E-06	0.007993558	0.001472388	0.011087301	0.027480451	5.63835E-06	22.94716454	2.07193E-05	0.00032591	0.000353873
2086 Jun	63.98997498	0.058074951	0.013353571	0.001064572	14.4818306	0.029143579	5.124198914	0.001064572	0.001064572	5.32286E-06	0.007541076	0.001396851	0.010440844	0.026181221	5.32286E-06	21.83942795	1.96484E-05	0.000310112	0.000338964
2086 Jul	66.06663513	0.059799075	0.013782883	0.00110185	14.9396143	0.030137824	5.286262512	0.00110185	0.00110185	5.50925E-06	0.007803707	0.001443158	0.010803745	0.027013958	5.50925E-06	23.53481293	2.03401E-05	0.000320239	0.000349418
2086 Aug	67.8011322	0.061326012	0.014132164	0.0011325	15.33415794	0.031043848	5.426851749	0.0011325	0.0011325	5.6625E-06	0.008011707	0.001482216	0.011106283	0.027716262	5.6625E-06	23.12271881	2.08405E-05	0.000328444	0.000358084
2086 Sep	66.89814758	0.060749438	0.013907987	0.001119242	15.14066315	0.030827595	5.360023022	0.001119242	0.001119242	5.59621E-06	0.007914482	0.001462933	0.011001481	0.027317412	5.59621E-06	22.80451775	2.05105E-05	0.000323821	0.000352117
2086 Oct	66.69312286	0.060783885	0.013846659	0.001116263	15.09937	0.030805383	5.347198963	0.001116263	0.001116263	5.58131E-06	0.007897927	0.001458431	0.010978295	0.027221927	5.58131E-06	22.72990608	2.04433E-05	0.000322667	0.000350582
2086 Nov	66.87776947	0.060958676	0.013884445	0.001119367	15.141325	0.030892799	5.362109184	0.001119367	0.001119367	5.59683E-06	0.007920023	0.001462468	0.011009002	0.027296949	5.59683E-06	22.79269791	2.04998E-05	0.000323555	0.000351539
2086 Dec	66.9043808	0.060984362	0.013889846	0.001119815	15.14737988	0.030905558	5.364265442	0.001119815	0.001119815	5.59908E-06	0.007923227	0.00146305	0.011013452	0.02730773	5.59908E-06	22.80173302	2.05079E-05	0.000323683	0.000351676
2087 Jan	66.90983582	0.060989808	0.013890978	0.001119901	15.14864445	0.030908024	5.364715099	0.001119901	0.001119901	5.59951E-06	0.007923841	0.001463168	0.011014299	0.027309991	5.59951E-06	22.80361938	2.05095E-05	0.000323709	0.000351706
2087 Feb	66.93022156	0.061008368	0.013895263	0.001120234	15.15328407	0.030917153	5.366354942	0.001120234	0.001120234	5.60117E-06	0.007926186	0.001463611	0.01101755	0.027318396	5.60117E-06	22.81061745	2.05156E-05	0.000323808	0.000351816
2087 Mar	66.99996948	0.061071936	0.013909773	0.001121397	15.16908932	0.030949216	5.371951103	0.001121397	0.001121397	5.60698E-06	0.007934408	0.001465136	0.011028975	0.027346915	5.60698E-06	22.83441925	2.05369E-05	0.000324145	0.000352184
2087 Apr	67.16316223	0.061220679	0.013943668	0.001124125	15.2060442	0.031024508	5.385036945	0.001124125	0.001124125	5.62063E-06	0.007953712	0.001468703	0.011055806	0.027413547	5.62063E-06	22.89005089	2.05868E-05	0.000324934	0.000353043
2087 May	67.490242	0.061444718	0.014036647	0.001126366	15.28623199	0.031043539	5.411818027	0.001126366	0.001126366	5.63183E-06	0.007966729	0.001475015	0.011069373	0.027579756	5.63183E-06	23.02061653	2.0643E-05	0.000326595	0.000355876
2087 Jun	65.80899811	0.059592783	0.013764766	0.001089573	14.91670609	0.029866926	5.275601387	0.001089573	0.001089573	5.44786E-06	0.007698522	0.001435939	0.010681607	0.026983827	5.44786E-06	22.498703	2.00302E-05	0.000318804	0.000350209
2087 Jul	67.95412445	0.061438784	0.014207714	0.001126944	15.39878273	0.030907612	5.446923256	0.001126944	0.001126944	5.63472E-06	0.007957453	0.001483847	0.011042675	0.027857823	5.63472E-06	23.22632027	2.06904E-05	0.000329088	0.000361273

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Aug	70.77677917	0.06396246	0.014792484	0.001174612	16.0390873	0.032244381	5.673980236	0.001174612	0.001174612	5.87306E-06	0.008289653	0.001546107	0.011508992	0.029012768	5.87306E-06	24.18946457	2.15358E-05	0.000342652	0.000376063
2087 Sep	71.98313141	0.065207981	0.015029686	0.001195128	16.31635284	0.032857321	5.773301125	0.001195128	0.001195128	5.97564E-06	0.008436936	0.001572496	0.01171629	0.029496763	5.97564E-06	24.59758949	2.18965E-05	0.000348374	0.000382068
2087 Oct	71.51078796	0.065009795	0.014911417	0.001187813	16.21422005	0.032716926	5.73903656	0.001187813	0.001187813	5.93906E-06	0.008390291	0.001562158	0.011650981	0.029290272	5.93906E-06	24.43079185	2.17509E-05	0.000345924	0.000379071
2087 Nov	71.30609131	0.064926445	0.014859944	0.001184649	16.17001152	0.032656908	5.724226475	0.001184649	0.001184649	5.92324E-06	0.008370171	0.001557677	0.011622805	0.029200641	5.92324E-06	24.35844803	2.16878E-05	0.000344861	0.000377767
2087 Dec	71.33235931	0.064952374	0.014865245	0.001185089	16.17601013	0.0326696	5.726366997	0.001185089	0.001185089	5.92545E-06	0.008373331	0.001558251	0.011627188	0.029211283	5.92545E-06	24.36737251	2.16958E-05	0.000344986	0.000377902
2088 Jan	71.34327698	0.064962991	0.014867517	0.001185264	16.17852783	0.032674529	5.727261066	0.001185264	0.001185264	5.92632E-06	0.008374569	0.001558487	0.011628896	0.029215803	5.92632E-06	24.37114143	2.1699E-05	0.000345039	0.000377961
2088 Feb	71.3507309	0.064969741	0.014869144	0.001185375	16.18025017	0.032677535	5.72786665	0.001185375	0.001185375	5.92687E-06	0.008375345	0.001558646	0.011629962	0.029218972	5.92687E-06	24.37375832	2.1701E-05	0.000345075	0.000378005
2088 Mar	71.42940521	0.065041363	0.01488558	0.001186675	16.19811249	0.032713342	5.734187126	0.001186675	0.001186675	5.93338E-06	0.008384527	0.001560363	0.011642707	0.029251255	5.93338E-06	24.40067291	2.17248E-05	0.000345455	0.000378424
2088 Apr	72.0982132	0.065650329	0.015025012	0.001197777	16.34980202	0.033019334	5.787883282	0.001197777	0.001197777	5.98888E-06	0.008462958	0.001574971	0.011751606	0.02952523	5.98888E-06	24.62919617	2.19281E-05	0.00034869	0.00038197
2088 May	73.60398865	0.067018814	0.015341215	0.001222421	16.69222641	0.033695944	5.908965588	0.001222421	0.001222421	6.1121E-06	0.008636772	0.00160777	0.011992564	0.030145491	6.1121E-06	25.14577293	2.23801E-05	0.000355975	0.000390066
2088 Jun	71.3400116	0.064402476	0.014874887	0.001191909	16.13249779	0.032661822	5.708272457	0.001191909	0.001191909	5.95954E-06	0.008427371	0.001559736	0.011691747	0.029162461	5.95954E-06	24.32957268	2.19211E-05	0.000345669	0.000376768
2088 Jul	74.14461517	0.066757165	0.015455905	0.001241869	16.75064659	0.03398291	5.926650047	0.001241869	0.001241869	6.20935E-06	0.008781926	0.001621856	0.012181826	0.03028507	6.20935E-06	25.26850891	2.28621E-05	0.00035942	0.000390918
2088 Aug	78.82723999	0.070968986	0.01642747	0.001320793	17.80969429	0.036166325	6.301557064	0.001320793	0.001320793	6.60396E-06	0.009337387	0.00172457	0.012958534	0.032194342	6.60396E-06	26.86299515	2.42938E-05	0.000382068	0.000415421
2088 Sep	80.09642029	0.072193675	0.016681962	0.001342491	18.09931564	0.036798537	6.404638767	0.001342491	0.001342491	6.71245E-06	0.009490866	0.001752421	0.013177331	0.032704953	6.71245E-06	27.29271507	2.46743E-05	0.000388146	0.000421802
2088 Oct	77.55362701	0.070475131	0.016103717	0.001301112	17.5372963	0.03581607	6.210419178	0.001301112	0.001301112	6.50556E-06	0.009210677	0.001696722	0.012787001	0.031635128	6.50556E-06	26.41327286	2.38846E-05	0.000375413	0.000407212
2088 Nov	77.21026611	0.070322163	0.016018923	0.001295696	17.46313858	0.035709031	6.185448647	0.001295696	0.001295696	6.47848E-06	0.009175754	0.001689192	0.012738156	0.03148631	6.47848E-06	26.29272461	2.37771E-05	0.000373638	0.000405077
2088 Dec	77.25165558	0.070362061	0.016027324	0.001296395	17.47254753	0.035728883	6.188799858	0.001296395	0.001296395	6.48198E-06	0.009180754	0.001690097	0.012745092	0.03150307	6.48198E-06	26.30677223	2.37898E-05	0.000373836	0.000405289
2089 Jan	77.26010895	0.07037048	0.016029075	0.001296528	17.47450256	0.035732705	6.189495087	0.001296528	0.001296528	6.48264E-06	0.009181706	0.00169028	0.012746404	0.031506568	6.48264E-06	26.30968857	2.37922E-05	0.000373877	0.000405335
2089 Feb	77.27587128	0.070384808	0.016032426	0.001296779	17.47810745	0.035739556	6.190766811	0.001296779	0.001296779	6.4839E-06	0.009183473	0.001690621	0.012748844	0.031513128	6.4839E-06	26.31513786	2.37969E-05	0.000373953	0.000405422
2089 Mar	77.3812561	0.070480779	0.016054334	0.001298541	17.50196075	0.035788052	6.199214458	0.001298541	0.001298541	6.4927E-06	0.009195938	0.001692925	0.012766142	0.031556174	6.4927E-06	26.3510685	2.38292E-05	0.000374463	0.000405977
2089 Apr	77.84667969	0.07090468	0.016150927	0.001306346	17.6072464	0.036003131	6.236503601	0.001306346	0.001306346	6.53173E-06	0.009251207	0.001703106	0.012842864	0.031746026	6.53173E-06	26.50959206	2.39724E-05	0.000376715	0.000408421
2089 May	78.52373505	0.071402356	0.016330099	0.001312819	17.76906776	0.036111541	6.291309834	0.001312819	0.001312819	6.56409E-06	0.009293084	0.001716627	0.01289331	0.032071617	6.56409E-06	26.76886177	2.41177E-05	0.000380123	0.000413673
2089 Jun	77.42331696	0.070065022	0.016186304	0.001284772	17.53245354	0.035159886	6.201715469	0.001284772	0.001284772	6.42386E-06	0.009086771	0.001689957	0.012588745	0.031722117	6.42386E-06	26.45022774	2.36743E-05	0.000375174	0.000411394
2089 Jul	80.44297028	0.072701052	0.016811179	0.001336773	18.21287537	0.036606796	6.443403244	0.001336773	0.001336773	6.68387E-06	0.009448407	0.001757088	0.013092095	0.032954961	6.68387E-06	27.47669029	2.45988E-05	0.000389664	0.000427086
2089 Aug	83.51211548	0.075406551	0.017443893	0.001389417	18.90825653	0.038097758	6.690651894	0.001389417	0.001389417	6.94708E-06	0.009812105	0.001825414	0.013602773	0.034210615	6.94708E-06	28.5224514	2.55144E-05	0.000404317	0.000443036
2089 Sep	83.84185791	0.075950757	0.01748948	0.001395649	18.98900986	0.038345847	6.721188545	0.001395649	0.001395649	6.97825E-06	0.009860241	0.001832667	0.013673369	0.03432947	6.97825E-06	28.62862778	2.56059E-05	0.000405727	0.000444161
2089 Oct	80.67753601	0.073782071	0.016770136	0.001344468	18.28799248	0.037126616	6.478780746	0.001344468	0.001344468	6.72234E-06	0.009513302	0.001763452	0.013190852	0.032996133	6.72234E-06	27.53271866	2.46291E-05	0.000389903	0.000425948
2089 Nov	80.60882568	0.073815554	0.016747704	0.00134352	18.27463341	0.037126467	6.474841595	0.00134352	0.00134352	6.7176E-06	0.009508572	0.001761946	0.013184103	0.03296297	6.7176E-06	27.50722122	2.46063E-05	0.000389499	0.000425388
2089 Dec	80.658638	0.073863059	0.016757892	0.001344355	18.28596878	0.037150029	6.478872776	0.001344355	0.001344355	6.72178E-06	0.00951452	0.001763035	0.013192346	0.032983232	6.72178E-06	27.52417755	2.46215E-05	0.000389739	0.000425646
2090 Jan	80.6805954	0.073883794	0.01676245	0.001344714	18.2909832	0.037160069	6.480652332	0.001344714	0.001344714	6.72357E-06	0.009517066	0.001763512	0.01319587	0.032992259	6.72357E-06	27.53170586	2.46281E-05	0.000389844	0.000425764
2090 Feb	80.70690155	0.073907845	0.016767986	0.001345141	18.2969799	0.037171807	6.48277235	0.001345141	0.001345141	6.7257E-06	0.009520078	0.001764084	0.013200035	0.033003125	6.7257E-06	27.5407505	2.46359E-05	0.000389972	0.000425906
2090 Mar	80.7888031	0.073982827	0.01678504	0.0013465	18.31556511	0.037209321	6.489355564	0.0013465	0.0013465	6.7325E-06	0.00952969	0.001765873	0.013213355	0.033036679	6.7325E-06	27.56873512	2.46608E-05	0.000390367	0.00042634
2090 Apr	81.07472229	0.074244648	0.016844466	0.001351262	18.38039398	0.037340887	6.512324333	0.001351262	0.001351262	6.75631E-06	0.009563387	0.001772122	0.013260076	0.033153631	6.75631E-06	27.66632462	2.4748E-05	0.000391749	0.00042785
2090 May	82.03860474	0.075108312	0.01705105	0.001366523	18.60036278	0.037751332	6.589853764	0.001366523	0.001366523	6.83261E-06	0.009670747	0.001792978	0.013407646	0.033555925	6.83261E-06	27.99996567	2.50318E-05	0.000396427	0.000433216
2090 Jun	77.19035339	0.070188589	0.016130134	0.001277983	17.50105095	0.03507296	6.194002151	0.001277983	0.001277983	6.38992E-06	0.009038326	0.0016848	0.01250806	0.031658772	6.38992E-06	26.39052391	2.35102E-05	0.00037354	0.00041081
2090 Jul	79.64627838	0.072291248	0.016639726	0.001320938	18.04755783	0.0362291	6.387493134	0.001320938	0.001320938	6.60469E-06	0.009341253	0.001739198	0.012926524	0.032651361	6.60469E-06	27.21873093	2.43049E-05	0.000385481	0.000423413
2090 Aug	78.82542419	0.071532957	0.016438819	0.001310321	17.86946297	0.036089789	6.325446129	0.001310321	0.001310321	6.55161E-06	0.00924991	0.001722899	0.012842232	0.032291278	6.55161E-06	26.9293766	2.39754E-05	0.000381211	0.000417842
2090 Sep	76.61527252	0.069966264	0.015931955	0.001275257	17.38128471	0.03528801	6.15612936	0.001275257	0.001275257	6.37629E-06	0.009006815	0.001674856	0.012520241	0.031353347	6.37629E-06	26.16201019	2.32692E-05	0.000370152	0.000404833
2090 Oct	73.47618103	0.067879371	0.015211407	0.001224828	16.68703651	0.034108959	5.916665077	0.001224828	0.001224828	6.12414E-06	0.008666242	0.001606257	0.012047412	0.030025246	6.12414E-06	25.0723629	2.23003E-05	0.000354402	0.00038656
2090 Nov	72.45801544	0.067168862	0.014980638	0.001208392	16.46106339	0.03371482	5.838435173	0.001208392	0.001208392	6.04196E-06	0.008554568	0.001584004	0.0118923	0.029596342	6.04196E-06	24.71968651	2.19869E-05	0.000349319	0.000380707
2090 Dec	72.49195099	0.06720335	0.014987399	0.001208965	16.46883965	0.033731595	5.841217518	0.001208965	0.001208965	6.04483E-06	0.00855869	0.001584745	0.011898021	0.029610036	6.04483E-06	24.73119736	2.19972E-05	0.00034948	0.000380879
2091 Jan	72.50025177	0.06721174	0.014989112	0.001209095	16.47076797	0.033735368	5.841903687	0.001209095	0.001209095	6.04548E-06	0.008559619	0.001584924	0.011899302	0.029613478	6.04548E-06	24.73406601	2.19995E-05	0.00034952	0.000380924
2091 Feb	72.5059433	0.067216963	0.014990372	0.001209177	16.4720974	0.033737566	5.842371464	0.001209177	0.001209177	6.04589E-06	0.008560186	0.001585045	0.011900078	0.029615935	6.04589E-06	24.73608971	2.2001E-05	0.000349547	0.000380958
2091 Mar	72.62459564	0.067326933	0.015014947	0.001211149	16.49907303	0.033792533	5.85193634	0.001211149	0.001211149	6.05574E-06	0.008574137	0.001587637	0.011919465	0.02966447	6.05574E-06	24.77661133	2.20369E-05	0.000350119	0.000381584
2091 Apr	73.0963974	0.067764297	0.015112516	0.001219012	16.60626984	0.034011923	5.889955521	0.001219012	0.001219012	6.09506E-06	0.008629804	0.00159795	0.011996849	0.029857224	6.09506E-06	24.93759346	2.218E-05	0.000352394	0.000384064
2091 May	74.21606445	0.068751566	0.015361862	0.001235378	16.86489487	0.034437727	5.980529308	0.001235378	0.001235378	6.17689E-06	0.008743897	0.001621811	0.012151939	0.030337656	6.17689E-06	25.33305168	2.24896E-05	0.000357851	0.00039074
2091 Jun	71.97610474	0.066359058	0.014980527	0.001188715	16.36756706	0.032962561	5.798480511	0.001188715	0.001188715	5.94358E-06	0.008406988	0.001570245	0.011665519	0.029517831	5.94358E-06	24.622715	2.17128E-05	0.000347432	0.000382348
2091 Jul	76.0302124	0.070035271	0.015822243	0.001256807	17.28453827	0.034840547	6.123390675	0.001256807	0.001256807	6.28404E-06	0.008888107	0.001659084	0.012332903	0.031173069	6.28404E-06	26.00393867	2.29582E-05	0.000367027	0.000403646
2091 Aug	76.62859344	0.07057333	0.015927376	0.001268742	17.42542267	0.035269719	6.173970222	0.001268742	0.001268742	6.34371E-06	0.008961786	0.001673244	0.012462533	0.03140264	6.34371E-06	26.20248032	2.30886E-05	0.00036972	0.000406019
2091 Sep	76.08449554	0.070219174	0.01578553	0.001261446	17.31029892	0.035190694	6.134068966	0.001261446	0.001261446	6.30723E-06	0.008904723	0.001661851	0.012414144	0.03115401	6.30723E-06	26.00778198	2.28734E-05	0.000366913	0.000402097
2091 Oct	74.19091797	0.068917044	0.015354697	0.001230938	16.89026642	0.034463305	5.988801956	0.001230938	0.001230938	6.15469E-06	0.008698043	0.001620452	0.012126892	0.030354923	6.15469E-06	25.35122681	2.22917E-05	0.00035745	0.000391165
2091 Nov	72.86231232	0.068035282	0.015049687	0.001209603	16.59626198	0.033963423	5.887385845	0.001209603	0.001209603	6.04801E-06	0.008554206	0.001591403	0.011926943	0.029792482	6.04801E-06	24.88983536	2.18831E-05	0.000350788	0.000383426
2091 Dec	72.86640167	0.068055928	0.015049094	0.001209707	16.59757805	0.033970892	5.887988567	0.001209707	0.001209707	6.04853E-06	0.008555288	0.001591491	0.011928447	0.029793233	6.04853E-06	24.8908596	2.1884E-05	0.000350796	0.000383413
2092 Jan	72.8740387	0.068063863	0.015050671	0.001209824	16.59936905	0.033974349	5.888626575	0.001209824	0.001209824	6.04912E-06	0.008556128	0.001591655	0.011929603	0.02979642	6.04912E-06	24.89351845	2.18861E-05	0.000350832	0.000383455
2092 Feb	72.89213562	0.068080693	0.015054504	0.001210109	16.60353088	0.033982255	5.890098095	0.001210109	0.001210109	6.05054E-06	0.008558129	0.001592046	0.01193238	0.029803967	6.05054E-06	24.89978981	2.18913E-05	0.000350919	0.000383555
2092 Mar	73.03257751	0.068211824	0.015083564	0.001212432	16.63554382	0.034047443	5.901451588	0.001212432	0.001212432	6.06216E-06	0.008574551	0.001595111	0.011955269	0.029861474	6.06216E-06	24.94781685	2.19333E-05	0.000351595	0.000384296
2092 Apr	73.42543793	0.06857872	0.01516473	0.001218949	16.72504234	0.03423043	5.933198929	0.001218949	0.001218949	6.09475E-06	0.008620637	0.001603691	0.012019521	0.03002215	6.09475E-06	25.08204269	2.20512E-05	0.000353487	0.000386365
2092 May	74.33548737	0.069361642	0.015375989	0.001231052	16.93787575	0.034530628	6.007176876	0.001231052	0.001231052	6.15526E-06	0.008703864	0.001622761	0.01213125	0.030424278	6.15526E-06	25.41046143	2.22851E-05	0.000357947	0.000392186
2092 Jun	67.96134949	0.062945753	0.014160262	0.00111477	15.49410915	0.031030115	5.487578869	0.00111477	0.00111477	5.57385E-06	0.007874021	0.001480501	0.010952978	0.027926067	5.57385E-06	23.2931366	2.02809E-05	0.000327826	0.000362586
2092 Jul	68.12937927	0.062928215	0.01419134	0.001120456	15.5185957	0.03115274	5.496172428	0.001120456	0.001120456	5.60228E-06	0.007913536	0.001485108	0.011006976	0.027975475	5.60228E-06	23.33565521	2.03945E-05	0.000328735	0.000362884
2092 Aug	71.07155609	0.065642223	0.014797944	0.001169496	16.19031334	0.032547627	5.734275341	0.001169496	0.001169496	5.84748E-06	0.008256521	0.001549587	0.011492888	0.0291784	5.84748E-06	24.34139442	2.12593E-05	0.000342871	0.000378295
2092 Sep	71.33571625	0.065996163	0.014836737	0.001174692	16.25495529	0.032755934	5.75795269	0.001174692	0.001174692	5.87346E-06	0.008292086	0.001555549	0.011554891	0.029273221	5.87346E-06	24.42694855	2.13177E-05	0.000344036	0.00037916
2092 Oct	70.7857132	0.065705523	0.014703536	0.001166167	16.13417816	0.032575432	5.716959476	0.001166167	0.001166167	5.83083E-06	0.008236723	0.001543543	0.011477092	0.029034944	5.83083E-06	24.23329353	2.11525E-05	0.000341228	0.000375763
2092 Nov	70.69753265	0.065684713	0.014679957	0.001164862	16.11535263	0.03255501	5.710789204	0.001164862	0.001164862	5.82431E-06	0.00822886	0.001541617	0.011465954	0.028995253	5.82431E-06	24.20161629	2.11259E-05	0.00034076	0.000375163
2092 Dec	70.74166107	0.065727517	0.014688965	0.001165594	16.12545013	0.032575928	5.714381695	0.001165594	0.001165594	5.82797E-06	0.008234067	0.001542579	0.011473204	0.029013248	5.82797E-06	24.21667862	2.11391E-05	0.000340971	0.000375393
2093 Jan	70.74713135	0.065733179	0.014690097	0.001165677	16.12672997	0.032578375	5.714838028	0.001165677	0.001165677	5.82839E-06	0.008234664	0.001542696	0.011474026	0.029015534	5.82839E-06	24.21858406	2.11406E-05	0.000340997	0.000375423
2093 Feb	70.76410675	0.065748908	0.01469369	0.001165946	16.13063049	0.032585826	5.716216087	0.001165946	0.001165946	5.82973E-06	0.008236554	0.001543063	0.011476649	0.029022602	5.82973E-06	24.22445869	2.11455E-05	0.000341079	0.000375517
2093 Mar	70.97247314	0.065942474	0.014736992	0.001169373	16.17814255	0.032681577	5.733050823	0.001169373	0.001169373	5.84687E-06	0.00826076	0.001547605	0.01151037	0.029108116	5.84687E-06	24.29582214	2.12076E-05	0.000342083	0.000376624
2093 Apr	71.39620209	0.066336155	0.014824999	0.001176351	16.27474022	0.032876577	5.767281055	0.001176351	0.001176351	5.88176E-06	0.008310052	0.001556844	0.01157905	0.029281935	5.88176E-06	24.44089508	2.13342E-05	0.000344126	0.000378874
2093 May	72.45228577	0.067240059	0.015066985	0.001190997	16.51985741	0.03324306	5.852631092	0.001190997	0.001190997	5.95499E-06	0.008411277	0.001579134	0.011715574	0.029743103	5.95499E-06	24.81854439	2.16163E-05	0.000349304	0.000385452
2093 Jun	69.35993195	0.06392879	0.014517376	0.001130593	15.82188129	0.03133709	5.598539352	0.001130593	0.001130593	5.65296E-06	0.007977141	0.001509015	0.011090768	0.028574023	5.65296E-06	23.8147316	2.0611E-05	0.00033491	0.000372646
2093 Jul	72.03572083	0.066296592	0.015073619	0.001175935	16.42652512	0.032592911	5.812902927	0.001175935	0.001175935	5.87968E-06	0.008294059	0.001568067	0.011532055	0.029668719	5.87968E-06	24.72670364	2.14258E-05	0.000347797	0.00038669
2093 Aug	74.55295563	0.068581812	0.015593178	0.001218103	17.00149727	0.033799328	6.017004013	0.001218103	0.001218103	6.09052E-06	0.008586113	0.0016236	0.011945822	0.030701689	6.09052E-06	25.58843231	2.21567E-05	0.000359828	0.000399908
2093 Sep	74.60523224	0.068859763	0.015581435	0.001219776	17.0190239	0.033920348	6.025051594	0.001219776	0.001219776	6.09888E-06	0.008601574	0.001624816	0.011971883	0.030706786	6.09888E-06	25.59972382	2.21635E-05	0.000359904	0.00039956
2093 Oct	71.20124054	0.066445209	0.014808977	0.001165659	16.25860214	0.032607518	5.761740208	0.001165659	0.001165659	5.8283E-06	0.008235557	0.00155059	0.0114608	0.029266059	5.8283E-06	24.41545296	2.11432E-05	0.000342962	0.000379818
2093 Nov	70.29711151	0.065927483	0.014593652	0.001151488	16.05958176	0.032297257	5.693830967	0.001151488	0.001151488	5.75744E-06	0.008142323	0.001530847	0.011330384	0.028877212	5.75744E-06	24.09850502	2.08693E-05	0.000338373	0.000374335
2093 Dec	70.34112549	0.065972008	0.014602507	0.001152218	16.06970215	0.032318562	5.697446346	0.001152218	0.001152218	5.76109E-06	0.008147551	0.001531805	0.011337649	0.028895101	5.76109E-06	24.11351204	2.08824E-05	0.000338583	0.000374562
2094 Jan	70.35353851	0.065984361	0.014605081	0.001152413	16.07258034	0.032324184	5.698469639	0.001152413	0.001152413	5.76206E-06	0.008148939	0.001532073	0.011339571	0.028900253	5.76206E-06	24.11780739	2.08859E-05	0.000338642	0.00037463
2094 Feb	70.36398315	0.065994076	0.014607334	0.001152571	16.07500458	0.032328527	5.699323654	0.001152571	0.001152571	5.76285E-06	0.008150044	0.001532297	0.011341094	0.028904673	5.76285E-06	24.12146759	2.08888E-05	0.000338692	0.00037469
2094 Mar	70.4668045	0.066090472	0.014628724	0.001154247	16.09851265	0.032375518	5.707655907	0.001154247	0.001154247	5.77124E-06	0.008161895	0.001534535	0.011357578	0.028946981	5.77124E-06	24.15675735	2.09192E-05	0.000339187	0.00037524
2094 Apr	70.74391937	0.066350356	0.014686278	0.001158782	16.1618309	0.032502692	5.73010397	0.001158782	0.001158782	5.79391E-06	0.008193959	0.001540568	0.011402193	0.029060857	5.79391E-06	24.25177956	2.10014E-05	0.000340521	0.000376717
2094 May	70.82227325	0.066326641	0.014734595	0.001156032	16.18664742	0.032367703	5.736813545	0.001156032	0.001156032	5.78016E-06	0.008171531	0.001541186	0.011364275	0.029133612	5.78016E-06	24.30212784	2.09745E-05	0.000341014	0.000378537
2094 Jun	70.630867	0.065876439	0.014762181	0.001145407	16.1513443	0.031923749	5.719631672	0.001145407	0.001145407	5.72703E-06	0.008091174	0.001534922	0.011236997	0.029132077	5.72703E-06	24.27982521	2.08436E-05	0.000340416	0.000380268

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Jul	74.90264893	0.069794603	0.015651753	0.00121593	17.12438011	0.03389138	6.064577579	0.00121593	0.00121593	6.07965E-06	0.008587026	0.001628378	0.011926298	0.030888584	6.07965E-06	25.74350739	2.21166E-05	0.00036097	0.000403021
2094 Aug	79.73922729	0.07428243	0.016658206	0.001295079	18.23066521	0.036119405	6.456731796	0.001295079	0.001295079	6.4754E-06	0.009142837	0.001733957	0.01270282	0.032880828	6.4754E-06	27.40441132	2.35344E-05	0.000384207	0.00042887
2094 Sep	79.74410248	0.074601248	0.016629443	0.001296188	18.2388916	0.036244977	6.462200642	0.001296188	0.001296188	6.48094E-06	0.009156441	0.001734132	0.012725296	0.032861587	6.48094E-06	27.3972683	2.35287E-05	0.000383997	0.000428091
2094 Oct	77.58202362	0.073094875	0.0161335	0.001262396	17.75490189	0.035435963	6.294977665	0.001262396	0.001262396	6.31198E-06	0.008929182	0.001687108	0.012408156	0.031939939	6.31198E-06	26.64131355	2.28902E-05	0.000373219	0.000415334
2094 Nov	75.51224518	0.071693018	0.015656644	0.001229904	17.29314804	0.034667388	6.135710716	0.001229904	0.001229904	6.14952E-06	0.00871126	0.001642032	0.012103795	0.03105765	6.14952E-06	25.91809464	2.22742E-05	0.000362871	0.000403109
2094 Dec	75.39393616	0.071617447	0.015629118	0.001228036	17.26691628	0.034624308	6.126694679	0.001228036	0.001228036	6.14018E-06	0.008698809	0.00163945	0.012086381	0.031007171	6.14018E-06	25.87677574	2.22386E-05	0.000362277	0.000402407
2095 Jan	75.41188049	0.071635418	0.015632832	0.001228317	17.27108192	0.034632426	6.128176689	0.001228317	0.001228317	6.14159E-06	0.008700813	0.001639837	0.012089149	0.031014618	6.14159E-06	25.88298607	2.22437E-05	0.000362362	0.000402505
2095 Feb	75.42684174	0.071649522	0.015636053	0.001228543	17.27455711	0.034638673	6.129403114	0.001228543	0.001228543	6.14271E-06	0.008702394	0.001640158	0.012091328	0.031020951	6.14271E-06	25.88823128	2.22478E-05	0.000362434	0.000402591
2095 Mar	75.49794769	0.071716987	0.015650855	0.001229691	17.29086876	0.034670983	6.135187149	0.001229691	0.001229691	6.14845E-06	0.008710518	0.001641701	0.012102606	0.031050291	6.14845E-06	25.91269493	2.22686E-05	0.000362776	0.000402974
2095 Apr	75.88942719	0.07208883	0.015732046	0.001236062	17.38054085	0.034850564	6.167003632	0.001236062	0.001236062	6.18031E-06	0.008755638	0.001650213	0.012165293	0.031211352	6.18031E-06	26.04709435	2.23839E-05	0.000364657	0.000405065
2095 May	76.12675476	0.072202511	0.01581816	0.001235293	17.44272995	0.0347622	6.18667078	0.001235293	0.001235293	6.17647E-06	0.008746943	0.00165412	0.012145122	0.031355582	6.17647E-06	26.15549278	2.23973E-05	0.000365931	0.000407946
2095 Jun	77.07513428	0.072903715	0.016070833	0.001244169	17.66878891	0.034898356	6.263111591	0.001244169	0.001244169	6.22085E-06	0.0088056	0.001672915	0.012213329	0.031812403	6.22085E-06	26.51892281	2.2607E-05	0.000370733	0.000415367
2095 Jul	81.93430328	0.077439837	0.017080037	0.001323762	18.78087807	0.037146457	6.657970428	0.001323762	0.001323762	6.61881E-06	0.009364831	0.001779159	0.012990554	0.033815823	6.61881E-06	28.18791008	2.40311E-05	0.00039401	0.000441343
2095 Aug	82.02406311	0.077468678	0.017081968	0.001327513	18.80410767	0.037336953	6.667316914	0.001327513	0.001327513	6.63756E-06	0.009379932	0.001782563	0.01303188	0.033841733	6.63756E-06	28.21306801	2.40161E-05	0.000394204	0.00044112
2095 Sep	82.41925812	0.077921361	0.017144507	0.001335258	18.90013885	0.037639946	6.701814175	0.001335258	0.001335258	6.67629E-06	0.009429923	0.001791552	0.013124921	0.033985909	6.67629E-06	28.34243584	2.40957E-05	0.000395989	0.000442488
2095 Oct	82.40122223	0.078035727	0.017129239	0.001335319	18.89863586	0.03767607	6.702366352	0.001335319	0.001335319	6.67659E-06	0.009433295	0.001791159	0.013129245	0.033970565	6.67659E-06	28.3328228	2.40906E-05	0.00039581	0.000442096
2095 Nov	81.47305298	0.077447042	0.016911091	0.001321012	18.6917572	0.037348606	6.631382942	0.001321012	0.001321012	6.60506E-06	0.00933863	0.001770973	0.012996731	0.033570915	6.60506E-06	28.00644493	2.38184E-05	0.000391145	0.000436478
2095 Dec	81.39837646	0.077420123	0.016891897	0.001319887	18.67563438	0.037328504	6.626018524	0.001319887	0.001319887	6.59944E-06	0.009331603	0.001769344	0.012986866	0.033537824	6.59944E-06	27.97984505	2.37958E-05	0.000390754	0.000435988
2096 Jan	81.41585541	0.07743784	0.016895518	0.001320158	18.67971039	0.037336383	6.627468586	0.001320158	0.001320158	6.60079E-06	0.009333533	0.00176972	0.012989531	0.033545103	6.60079E-06	27.98591423	2.38006E-05	0.000390837	0.000436084
2096 Feb	81.45954132	0.077479251	0.016904719	0.001320846	18.68979073	0.037355687	6.631037235	0.001320846	0.001320846	6.60423E-06	0.009338372	0.001770665	0.012996246	0.033563316	6.60423E-06	28.00105858	2.3813E-05	0.000391047	0.000436325
2096 Mar	81.54330444	0.077558838	0.016922176	0.001322192	18.70903778	0.037393697	6.637861252	0.001322192	0.001322192	6.61096E-06	0.009347882	0.001772482	0.01300947	0.033597935	6.61096E-06	28.02991676	2.38373E-05	0.000391449	0.000436777
2096 Apr	81.94334412	0.077939279	0.017005235	0.001328672	18.80083847	0.037576925	6.670429707	0.001328672	0.001328672	6.64336E-06	0.00939369	0.001781176	0.013073215	0.033762828	6.64336E-06	28.16746521	2.39542E-05	0.00039337	0.000438922
2096 May	82.75951385	0.078645863	0.017195519	0.001339347	18.99227524	0.037840795	6.736969471	0.001339347	0.001339347	6.69673E-06	0.009467087	0.001798235	0.013171129	0.034125172	6.69673E-06	28.46302032	2.41613E-05	0.000397366	0.000444196
2096 Jun	76.2248764	0.071843401	0.015913839	0.001229316	17.47644615	0.034466229	6.192837238	0.001229316	0.001229316	6.14658E-06	0.00868735	0.00165472	0.012063528	0.031483691	6.14658E-06	26.23916626	2.22997E-05	0.000366697	0.000411398
2096 Jul	78.49485779	0.073842697	0.016384766	0.001268302	17.98534966	0.035527173	6.373086452	0.001268302	0.001268302	6.34151E-06	0.008962708	0.00170474	0.012444561	0.032405071	6.34151E-06	27.00810814	2.30179E-05	0.000377705	0.000423167
2096 Aug	82.56082153	0.07766521	0.017227497	0.001334618	18.918396	0.037414074	6.703866959	0.001334618	0.001334618	6.67309E-06	0.009428257	0.00179335	0.013099608	0.034078304	6.67309E-06	28.40505981	2.41956E-05	0.000397218	0.000444833
2096 Sep	81.68482971	0.077178694	0.017009964	0.00132182	18.72601128	0.037170045	6.638403416	0.00132182	0.00132182	6.6091E-06	0.009342743	0.001774485	0.012989507	0.033690788	6.6091E-06	28.09313393	2.39244E-05	0.00039274	0.000439122
2096 Oct	78.70165253	0.075131871	0.016321776	0.001275492	18.05810356	0.036070149	6.407966614	0.001275492	0.001275492	6.37746E-06	0.009032296	0.001709651	0.012555982	0.032415215	6.37746E-06	27.047966	2.30481E-05	0.000377848	0.000421388
2096 Nov	78.46543121	0.075092204	0.016256802	0.001272105	18.00784111	0.036023177	6.391646385	0.001272105	0.001272105	6.36052E-06	0.009012368	0.001704506	0.012527846	0.03230729	6.36052E-06	26.96232033	2.29777E-05	0.000376582	0.000419723
2096 Dec	78.48461914	0.075112566	0.0162606	0.001272421	18.01228333	0.036032666	6.393239498	0.001272421	0.001272421	6.36211E-06	0.009014654	0.001704923	0.012531018	0.032315064	6.36211E-06	26.96885872	2.29834E-05	0.000376673	0.000419821
2097 Jan	78.48953247	0.075117894	0.016261615	0.001272494	18.01344872	0.036034849	6.393655777	0.001272494	0.001272494	6.36247E-06	0.009015176	0.001705027	0.012531734	0.032317135	6.36247E-06	26.97058487	2.29847E-05	0.000376696	0.000419848
2097 Feb	78.4930191	0.075121142	0.016262414	0.001272539	18.01428223	0.036036037	6.393946648	0.001272539	0.001272539	6.36269E-06	0.009015482	0.0017051	0.012532146	0.032318689	6.36269E-06	26.97185707	2.29855E-05	0.000376713	0.000419871
2097 Mar	78.56324005	0.075188302	0.016277006	0.00127367	18.03041458	0.036068045	6.399670601	0.00127367	0.00127367	6.36835E-06	0.009023494	0.001706624	0.012543278	0.032347668	6.36835E-06	26.99602318	2.30059E-05	0.00037705	0.000420249
2097 Apr	79.04773712	0.075651951	0.01637741	0.001281522	18.14161873	0.036290344	6.439139366	0.001281522	0.001281522	6.40761E-06	0.009079112	0.001717148	0.012620587	0.032547191	6.40761E-06	27.16252899	2.31477E-05	0.000379375	0.00042841
2097 May	80.39138794	0.076871552	0.016673321	0.001301269	18.45284271	0.036815289	6.548416138	0.001301269	0.001301269	6.50635E-06	0.00921736	0.001745789	0.012809113	0.033121426	6.50635E-06	27.63617706	2.35179E-05	0.000385897	0.000430764
2097 Jun	79.13320923	0.075359769	0.016477203	0.001274406	18.16768646	0.035898365	6.4425354	0.001274406	0.001274406	6.37203E-06	0.009022929	0.001716585	0.012522796	0.032671399	6.37203E-06	27.24096298	2.31015E-05	0.000380229	0.000426529
2097 Jul	83.43231201	0.079379536	0.017368667	0.001345033	19.15066719	0.037891507	6.791568279	0.001345033	0.001345033	6.72516E-06	0.009520072	0.001810568	0.013213624	0.034440778	6.72516E-06	28.71580887	2.43685E-05	0.000400838	0.000449431
2097 Aug	86.29885101	0.082075395	0.017957957	0.001392342	19.80962944	0.039262369	7.025835514	0.001392342	0.001392342	6.96171E-06	0.00984949	0.001873497	0.013679451	0.035619564	6.96171E-06	29.69985008	2.51875E-05	0.000414493	0.000464558
2097 Sep	87.68985748	0.083474599	0.018237431	0.001415286	20.13141823	0.039945733	7.140543938	0.001415286	0.001415286	7.07643E-06	0.010011841	0.001903799	0.01391079	0.036185458	7.07643E-06	30.1754055	2.55845E-05	0.000421105	0.000471725
2097 Oct	86.72686005	0.082850717	0.018011367	0.001400548	19.91617584	0.039606676	7.066622257	0.001400548	0.001400548	7.00274E-06	0.009914123	0.001882896	0.013774282	0.035770297	7.00274E-06	29.83633041	2.5304E-05	0.000416273	0.000465881
2097 Nov	86.05622864	0.082362987	0.017858628	0.001390139	19.76521873	0.039352439	7.014326096	0.001390139	0.001390139	6.95069E-06	0.009843848	0.001868339	0.013676262	0.035484407	6.95069E-06	29.60160065	2.51085E-05	0.000412946	0.000461932
2097 Dec	85.91296387	0.082250267	0.017826751	0.001387891	19.73279953	0.039295226	7.003023624	0.001387891	0.001387891	6.93946E-06	0.009828479	0.001865229	0.013654849	0.035423856	6.93946E-06	29.55167961	2.50668E-05	0.000412241	0.000461107
2098 Jan	85.92761993	0.082265459	0.017829787	0.001388115	19.73623657	0.039301787	7.004247665	0.001388115	0.001388115	6.94058E-06	0.009830076	0.001865543	0.013657048	0.035429984	6.94058E-06	29.55678749	2.50708E-05	0.000412311	0.000461189
2098 Feb	85.94326019	0.082280256	0.017833175	0.001388345	19.73988533	0.039308157	7.005534649	0.001388345	0.001388345	6.94173E-06	0.009831684	0.001865876	0.013659261	0.035436653	6.94173E-06	29.56229782	2.50749E-05	0.000412386	0.00046128
2098 Mar	85.99633789	0.082330979	0.017844269	0.00138919	19.75210953	0.039332002	7.009868145	0.00138919	0.00138919	6.94595E-06	0.009837657	0.001867026	0.013667548	0.035458658	6.94595E-06	29.58063126	2.50902E-05	0.000412641	0.000461569
2098 Apr	86.31758881	0.082635753	0.017913317	0.00139401	19.82686424	0.039466158	7.036262035	0.00139401	0.00139401	6.97005E-06	0.009871461	0.001873909	0.013714151	0.035594754	6.97005E-06	29.69333076	2.51778E-05	0.000414184	0.000463411
2098 May	86.4963913	0.082599483	0.01801317	0.001389179	19.88079262	0.039217137	7.051276207	0.001389179	0.001389179	6.94589E-06	0.009830937	0.001875747	0.01364515	0.035747197	6.94589E-06	29.8001976	2.51334E-05	0.00041527	0.000467088
2098 Jun	80.18251038	0.076076247	0.016810402	0.001275886	18.44031715	0.035766184	6.532495022	0.001275886	0.001275886	6.37943E-06	0.009020576	0.001735503	0.012493737	0.033262257	6.37943E-06	27.69389534	2.31907E-05	0.000385531	0.000437466
2098 Jul	85.03835297	0.080615319	0.017826455	0.001354315	19.55233765	0.037956625	6.92655611	0.001354315	0.001354315	6.77158E-06	0.009573942	0.001841077	0.013260083	0.035270225	6.77158E-06	29.36577797	2.46147E-05	0.000408887	0.000463732
2098 Aug	86.13972473	0.081646733	0.018039547	0.001373772	19.80944061	0.038588006	7.018153667	0.001373772	0.001373772	6.86886E-06	0.009702209	0.001865881	0.013462904	0.035711218	6.86886E-06	29.73978806	2.48914E-05	0.000414023	0.00046898
2098 Sep	83.12436676	0.079252973	0.017356547	0.001327809	19.12937737	0.03747765	6.780821323	0.001327809	0.001327809	6.63904E-06	0.009381797	0.001800895	0.013038884	0.034421898	6.63904E-06	28.68357086	2.39839E-05	0.000399147	0.000451038
2098 Oct	80.21638489	0.077124059	0.016695233	0.001282642	18.4747467	0.036372885	6.553935051	0.001282642	0.001282642	6.41321E-06	0.009076275	0.001737791	0.012613291	0.03318315	6.41321E-06	27.66619682	2.31346E-05	0.000384723	0.00043394
2098 Nov	79.22121429	0.076405205	0.016468154	0.001267193	18.25097656	0.035997652	6.476454258	0.001267193	0.001267193	6.33597E-06	0.008971973	0.001716191	0.012467994	0.032758798	6.33597E-06	27.31788254	2.28436E-05	0.00037978	0.000428072
2098 Dec	79.26461029	0.076450445	0.016476877	0.001267897	18.26103973	0.036018535	6.480053902	0.001267897	0.001267897	6.33949E-06	0.008977034	0.001717131	0.012475017	0.032776535	6.33949E-06	27.33275604	2.28561E-05	0.000379985	0.000428298
2099 Jan	79.28034973	0.07646627	0.016480144	0.001268142	18.26470375	0.03602561	6.481356621	0.001268142	0.001268142	6.34071E-06	0.008978772	0.00171747	0.012477421	0.032783091	6.34071E-06	27.3382206	2.28605E-05	0.00038006	0.000428385
2099 Feb	79.29875183	0.076483913	0.016484054	0.001268423	18.26897621	0.03603353	6.482868195	0.001268423	0.001268423	6.34212E-06	0.008980755	0.001717865	0.012480164	0.032790825	6.34212E-06	27.34464073	2.28656E-05	0.000380149	0.000428488
2099 Mar	79.45713043	0.076636612	0.016517023	0.00127095	18.30548286	0.036105253	6.495820045	0.00127095	0.00127095	6.35475E-06	0.008998635	0.001721294	0.012505005	0.032856382	6.35475E-06	27.39929771	2.29112E-05	0.000380908	0.000429346
2099 Apr	80.1618042	0.077312134	0.016667064	0.001281669	18.46927261	0.036406375	6.553739548	0.001281669	0.001281669	6.40834E-06	0.00907404	0.001736423	0.012609247	0.033153195	6.40834E-06	27.64557076	2.31052E-05	0.000384289	0.000433331
2099 May	78.79834747	0.075731285	0.016505621	0.001242862	18.19225121	0.035135195	6.447925568	0.001242862	0.001242862	6.21431E-06	0.008785373	0.001702484	0.012186051	0.032758135	6.21431E-06	27.27544403	2.24637E-05	0.000378042	0.000431634
2099 Jun	76.8223877	0.073627643	0.016135143	0.001207294	17.7388649	0.034026191	6.284079075	0.001207294	0.001207294	6.03647E-06	0.008530938	0.001658521	0.011822726	0.031982783	6.03647E-06	26.61678886	2.18658E-05	0.000368809	0.000422496
2099 Jul	80.79986572	0.077365525	0.01696711	0.001271155	18.65327835	0.035828695	6.60843277	0.001271155	0.001271155	6.35577E-06	0.008979411	0.001745092	0.012445048	0.033633262	6.35577E-06	27.98990631	2.30101E-05	0.000387861	0.000444111
2099 Aug	84.45593262	0.080866069	0.017722216	0.001329939	19.50017738	0.037545104	6.908685684	0.001329939	0.001329939	6.64969E-06	0.009388708	0.001824613	0.01303095	0.035142861	6.64969E-06	29.25174713	2.40223E-05	0.000405319	0.000463662
2099 Sep	82.87985992	0.079599187	0.017357089	0.001307026	19.14427376	0.037023373	6.784461021	0.001307026	0.001307026	6.53513E-06	0.009226331	0.00179099	0.012827637	0.034457471	6.53513E-06	28.69429016	2.35429E-05	0.000397528	0.000453862
2099 Oct	81.07305908	0.078308471	0.016940409	0.001279591	18.73638344	0.036363311	6.643537045	0.001279591	0.001279591	6.39796E-06	0.009042345	0.001751915	0.012570934	0.033680826	6.39796E-06	28.05808067	2.30265E-05	0.000388545	0.000443007
2099 Nov	79.90869904	0.077424988	0.016677668	0.001261543	18.4732666	0.035914063	6.552120686	0.001261543	0.001261543	6.30771E-06	0.008919707	0.001726678	0.012400175	0.033185575	6.30771E-06	27.65081406	2.26888E-05	0.000382792	0.000436194
2099 Dec	79.95389557	0.077471443	0.016686859	0.001262264	18.48376656	0.035935313	6.555866718	0.001262264	0.001262264	6.31132E-06	0.00892487	0.001727655	0.012407346	0.033204176	6.31132E-06	27.66637611	2.27016E-05	0.000383007	0.000436435
2100 Jan	79.95951843	0.077477552	0.016688028	0.001262346	18.48510551	0.035937771	6.556344032	0.001262346	0.001262346	6.31173E-06	0.008925456	0.001727774	0.012408148	0.033206552	6.31173E-06	27.66835785	2.27031E-05	0.000383033	0.000436467
2100 Feb	79.9671402	0.077484824	0.016689705	0.001262454	18.48690033	0.035940748	6.556976318	0.001262454	0.001262454	6.31227E-06	0.008926204	0.001727936	0.012409177	0.033209845	6.31227E-06	27.67107201	2.2705E-05	0.00038307	0.000436512
2100 Mar	80.00187683	0.077518418	0.016696999	0.001262995	18.49494934	0.035956115	6.559827805	0.001262995	0.001262995	6.31498E-06	0.008930027	0.001728685	0.012414482	0.033224341	6.31498E-06	27.68313408	2.27148E-05	0.000383236	0.000436704
2100 Apr	80.54666138	0.078046255	0.016810726	0.001271592	18.62090302	0.036200825	6.604500294	0.001271592	0.001271592	6.35796E-06	0.008990805	0.001740455	0.012498972	0.03345063	6.35796E-06	27.87166977	2.28694E-05	0.000385846	0.000439679
2100 May	81.13266754	0.078421682	0.016982848	0.001275089	18.7644062	0.036203969	6.651998997	0.001275089	0.001275089	6.37545E-06	0.009010573	0.001751578	0.01251647	0.033753481	6.37545E-06	28.10828018	2.29694E-05	0.000388864	0.000444959
2100 Jun	75.78250885	0.072795823	0.015954055	0.001182032	17.53176498	0.033343077	6.208293438	0.001182032	0.001182032	5.91016E-06	0.008346002	0.001633497	0.011572893	0.031622689	5.91016E-06	26.3066597	2.13852E-05	0.000363751	0.000419101
2100 Jul	76.62018585	0.07347773	0.016128629	0.001196987	17.71648598	0.033739667	6.273637772	0.001196987	0.001196987	5.98493E-06	0.008450766	0.001652205	0.011717353	0.031960532	5.98493E-06	26.58806419	2.1662E-05	0.000367833	0.000423371
2100 Aug	76.36042786	0.07319916	0.016055584	0.001195034	17.66051674	0.033777066	6.254486561	0.001195034	0.001195034	5.97517E-06	0.008426088	0.001647766	0.011709373	0.031837184	5.97517E-06	26.49178123	2.15411E-05	0.000366393	0.000421154
2100 Sep	76.24846649	0.073170431	0.01601438	0.001194394	17.63997459	0.033836562	6.247645855	0.001194394	0.001194394	5.97197E-06	0.008417419	0.001645682	0.011718261	0.03177432	5.97197E-06	26.44756508	2.14752E-05	0.000365748	0.000419879
2100 Oct	76.27283478	0.073313542	0.016009009	0.001195089	17.6480999	0.033888035	6.251508236	0.001195089	0.001195089	5.97545E-06	0.008424925	0.001646207	0.011728539	0.031777348	5.97545E-06	26.45298767	2.14815E-05	0.000365779	0.000419745
2100 Nov	76.38767242	0.073451154	0.016030792	0.001196946	17.67529106	0.033947993	6.261359215	0.001196946	0.001196946	5.98473E-06	0.00843858	0.001648682	0.011747547	0.031823695	5.98473E-06	26.4922142	2.15134E-05	0.00036631	0.00042032
2100 Dec	76.45844269	0.073520899	0.016045488	0.00119806	17.69169617	0.033980038	6.267185211	0.00119806	0.00119806	5.9903E-06	0.008446474	0.00165021	0.011758531	0.031853069	5.9903E-06	26.51670647	2.15333E-05	0.000366649	0.000420705
2101 Jan	76.47541046	0.07353773	0.016049046	0.001198321	17.69565201	0.033987541	6.26858902	0.001198321	0.001198321	5.9916E-06	0.008448319	0.001650575	0.011761092	0.031860169	5.9916E-06	26.52261734	2.1538E-05	0.00036673	0.000420799
2101 Feb	76.48223114	0.073544204	0.016050536	0.001198418	17.69725418	0.033990242	6.26915264	0.001198418	0.001198418	5.99209E-06	0.008448997	0.001650719	0.011762026	0.031863105	5.99209E-06	26.52503777	2.15398E-05	0.000366762	0.00042084
2101 Mar	76.50858307	0.073569506	0.016056104	0.001198826	17.70336533	0.034001771	6.271315575	0.001198826	0.001198826	5.99413E-06	0.008451867	0.001651287	0.011766016	0.031874135	5.99413E-06	26.5342083	2.15471E-05	0.000366889	0.000420987
2101 Apr	76.81512451	0.073864155	0.016120521	0.001203616	17.77433014	0.034137532	6.296449184	0.001203616	0.001203616	6.01808E-06	0.008485623	0.0016579	0.011812993	0.032001976	6.01808E-06	26.64060211	2.16332E-05	0.000368359	0.000422678
2101 May	77.2431488	0.074083023	0.01625623	0.001205191	17.88002205	0.034090988	6.33069849	0.001205191	0.001205191	6.02595E-06	0.008491695	0.00166578	0.011812968	0.032234047	6.02595E-06	26.81945801	2.1695E-05	0.000370614	0.000426916

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jun	74.57099152	0.071147189	0.015758893	0.001157624	17.26250839	0.032582901	6.107070923	0.001157624	0.001157624	5.78812E-06	0.008150323	0.001606512	0.011325421	0.031183589	5.78812E-06	25.92638969	2.09022E-05	0.000358195	0.000414532
2101 Jul	78.73932648	0.075074196	0.016638938	0.001223116	18.22372437	0.034416273	6.44709444	0.001223116	0.001223116	6.11558E-06	0.008611099	0.001696579	0.011965498	0.032921705	6.11558E-06	27.37169266	2.20871E-05	0.000378243	0.000437549
2101 Aug	82.73640442	0.078876927	0.017478716	0.001285797	19.14962959	0.036203139	6.774866581	0.001285797	0.001285797	6.42899E-06	0.009049704	0.001783022	0.012581276	0.034588825	6.42899E-06	28.75932884	2.31977E-05	0.000397393	0.000459551
2101 Sep	81.8964386	0.078329027	0.017266426	0.001274669	18.96294212	0.03601351	6.710821152	0.001274669	0.001274669	6.37335E-06	0.008971566	0.001765339	0.012492931	0.034207817	6.37335E-06	28.4554081	2.2935E-05	0.000393127	0.000453735
2101 Oct	81.4422226	0.078137316	0.017148659	0.001268381	18.86223984	0.035899721	6.677240372	0.001268381	0.001268381	6.34191E-06	0.008932883	0.001755582	0.012438354	0.034002319	6.34191E-06	28.29053879	2.28105E-05	0.000390774	0.000450634
2101 Nov	79.88524628	0.076987408	0.016789725	0.001245225	18.50802994	0.035334773	6.554758072	0.001245225	0.001245225	6.22612E-06	0.008777667	0.001722064	0.012221253	0.033330068	6.22612E-06	27.73980141	2.23778E-05	0.000383059	0.000441197
2101 Dec	79.77964783	0.076948576	0.016761906	0.001243766	18.48478127	0.035309944	6.547050476	0.001243766	0.001243766	6.21883E-06	0.008768803	0.001719792	0.012208757	0.033282053	6.21883E-06	27.70139694	2.23485E-05	0.000382508	0.000440467
2102 Jan	79.78424835	0.076954089	0.016762866	0.001243826	18.48590851	0.035311878	6.547454834	0.001243826	0.001243826	6.21913E-06	0.008769239	0.001719888	0.01220935	0.033284049	6.21913E-06	27.70305252	2.23496E-05	0.00038253	0.000440494
2102 Feb	79.79981995	0.076968938	0.016766265	0.00124405	18.4895668	0.035318095	6.548743248	0.00124405	0.00124405	6.22025E-06	0.008770796	0.001720219	0.012211499	0.033290736	6.22025E-06	27.7085743	2.23536E-05	0.000382605	0.000440587
2102 Mar	79.84854889	0.077015847	0.016776573	0.001244799	18.50088501	0.035339292	6.55274725	0.001244799	0.001244799	6.22399E-06	0.008776069	0.001721266	0.012218828	0.033311166	6.22399E-06	27.72555542	2.23671E-05	0.000382838	0.000440859
2102 Apr	80.09934235	0.077257685	0.016829303	0.001248702	18.55900764	0.035450079	6.573331833	0.001248702	0.001248702	6.24351E-06	0.008803586	0.001726671	0.012257133	0.03341585	6.24351E-06	27.81267357	2.24372E-05	0.000384041	0.000442246
2102 May	81.32649231	0.078440972	0.017087212	0.001267824	18.84334946	0.035992771	6.674036503	0.001267824	0.001267824	6.33912E-06	0.008938388	0.001753122	0.012444801	0.033927884	6.33912E-06	28.23882484	2.27809E-05	0.000389925	0.000449024
2102 Jun	76.350914	0.072931483	0.016031494	0.001202281	17.6225872	0.033887479	6.2391119	0.001202281	0.001202281	6.0114E-06	0.008487048	0.001648334	0.011807463	0.031750832	6.0114E-06	26.43851471	2.17332E-05	0.000366919	0.000418947
2102 Jul	75.82661438	0.072026536	0.015912656	0.001201071	17.46545219	0.033742007	6.182675838	0.001201071	0.001201071	6.00535E-06	0.008481069	0.001638852	0.011795972	0.031478658	6.00535E-06	26.21733093	2.17606E-05	0.000364763	0.00041456
2102 Aug	78.15805054	0.074231073	0.016390832	0.001239227	18.00475121	0.034867294	6.373942375	0.001239227	0.001239227	6.19613E-06	0.008744652	0.001689867	0.012177946	0.032436799	6.19613E-06	27.0194397	2.24039E-05	0.000375875	0.000426834
2102 Sep	78.64733124	0.074824631	0.016474953	0.001248004	18.12188148	0.035182457	6.416398048	0.001248004	0.001248004	6.24002E-06	0.008806078	0.00170068	0.012275695	0.032624044	6.24002E-06	27.18246078	2.25263E-05	0.000378105	0.000428889
2102 Oct	75.75370789	0.072555266	0.015823593	0.001203858	17.46352386	0.034066919	6.187416077	0.001203858	0.001203858	6.01929E-06	0.008505746	0.001638218	0.0118564	0.031389948	6.01929E-06	26.16700935	2.17057E-05	0.000363854	0.000411872
2102 Nov	75.88652802	0.07271672	0.015848171	0.001206088	17.49475288	0.034139112	6.198771477	0.001206088	0.001206088	6.03044E-06	0.008522286	0.001641096	0.011879397	0.03144265	6.03044E-06	26.21183586	2.17443E-05	0.000364467	0.000412509
2102 Dec	75.93056488	0.072760679	0.015857209	0.001206793	17.50493813	0.034159537	6.202394962	0.001206793	0.001206793	6.03396E-06	0.008527309	0.001642049	0.011886392	0.031460784	6.03396E-06	26.22699738	2.17569E-05	0.000364678	0.000412744
2103 Jan	75.94202423	0.072772205	0.0158596	0.001206969	17.50761032	0.034164637	6.203344345	0.001206969	0.001206969	6.03484E-06	0.008528562	0.001642295	0.011888129	0.031465575	6.03484E-06	26.23098564	2.17601E-05	0.000364732	0.000412807
2103 Feb	75.97114563	0.07280004	0.015865747	0.001207422	17.5143528	0.034177385	6.205729485	0.001207422	0.001207422	6.03711E-06	0.008531751	0.001642922	0.011892565	0.031477742	6.03711E-06	26.24110603	2.17682E-05	0.000364872	0.000412969
2103 Mar	76.03438568	0.072860599	0.015878992	0.001208421	17.52894592	0.034205642	6.210897923	0.001208421	0.001208421	6.04211E-06	0.008538809	0.001644288	0.011902396	0.031503998	6.04211E-06	26.26298141	2.17863E-05	0.000365176	0.000413314
2103 Apr	76.36003113	0.073172614	0.01594702	0.001213593	17.6040287	0.034352027	6.237500191	0.001213593	0.001213593	6.06797E-06	0.008575354	0.00165133	0.011953332	0.031638961	6.06797E-06	26.37548256	2.18795E-05	0.00036674	0.000415086
2103 May	77.11627197	0.0737269	0.016142156	0.001221683	17.7822628	0.034500465	6.298030376	0.001221683	0.001221683	6.10841E-06	0.008628879	0.001666629	0.012020336	0.031994063	6.10841E-06	26.65991592	2.20566E-05	0.000370554	0.000420681
2103 Jun	72.44378662	0.068666868	0.015253238	0.001140894	16.6979847	0.031961359	5.906897545	0.001140894	0.001140894	5.70447E-06	0.008051781	0.001563643	0.011195794	0.030133707	5.70447E-06	25.08415794	2.07062E-05	0.000348758	0.000398212
2103 Jul	73.82865143	0.069810212	0.015539128	0.00116558	17.00693893	0.032644711	6.016727924	0.00116558	0.00116558	5.8279E-06	0.00822152	0.001594862	0.01143273	0.030696196	5.8279E-06	25.55194092	2.11391E-05	0.000355395	0.000405273
2103 Aug	74.21847534	0.069992207	0.015600024	0.001176002	17.09632111	0.033047877	6.051190853	0.001176002	0.001176002	5.88001E-06	0.00827485	0.001606449	0.011523797	0.030851435	5.88001E-06	25.67886734	2.12029E-05	0.000356781	0.000406507
2103 Sep	73.36474609	0.069499865	0.015387568	0.001163951	16.90638161	0.032812878	5.986641884	0.001163951	0.001163951	5.81975E-06	0.008195182	0.001588195	0.011419082	0.030471247	5.81975E-06	25.372509	2.09525E-05	0.000352429	0.000400871
2103 Oct	70.67002869	0.067550912	0.014765144	0.001123499	16.29619789	0.031838711	5.775906086	0.001123499	0.001123499	5.6175E-06	0.007923722	0.001530111	0.01103996	0.029310411	5.6175E-06	24.42152977	2.01903E-05	0.000339031	0.000384589
2103 Nov	70.05077362	0.067141153	0.014618592	0.001114335	16.15667915	0.031628799	5.728055954	0.001114335	0.001114335	5.57167E-06	0.007863115	0.001516773	0.010955228	0.029041125	5.57167E-06	24.20185471	2.00155E-05	0.000335924	0.000380753
2103 Dec	70.07544708	0.067167155	0.01462353	0.001114734	16.16241455	0.031640753	5.730109215	0.001114734	0.001114734	5.57367E-06	0.007865987	0.001517307	0.010959222	0.029051205	5.57367E-06	24.2103138	2.00226E-05	0.000336041	0.000380882
2104 Jan	70.08001709	0.06717217	0.01462448	0.0011148	16.16350555	0.03164275	5.730499268	0.0011148	0.0011148	5.574E-06	0.007866461	0.001517404	0.01095987	0.029053144	5.574E-06	24.21192741	2.00238E-05	0.000336062	0.000380908
2104 Feb	70.09034729	0.067181975	0.014626713	0.001114952	16.16591835	0.031646993	5.731349945	0.001114952	0.001114952	5.57476E-06	0.007867523	0.001517624	0.010961338	0.029057544	5.57476E-06	24.21556854	2.00265E-05	0.000336112	0.000380968
2104 Mar	70.15132141	0.067240365	0.01463948	0.001115915	16.1799984	0.031674292	5.736339569	0.001115915	0.001115915	5.57958E-06	0.007874315	0.001518943	0.010970795	0.029082887	5.57958E-06	24.23667145	2.00438E-05	0.000336404	0.000381302
2104 Apr	70.6180191	0.067687668	0.014736896	0.001123336	16.28764915	0.031884883	5.774503231	0.001123336	0.001123336	5.61668E-06	0.007926671	0.001529047	0.011043736	0.029276403	5.61668E-06	24.39793396	2.01771E-05	0.000338642	0.00038384
2104 May	71.17945862	0.067999028	0.014906179	0.001126609	16.42355728	0.031869356	5.819144249	0.001126609	0.001126609	5.63304E-06	0.007944487	0.001539725	0.011057232	0.029569514	5.63304E-06	24.62552452	2.02775E-05	0.000341567	0.000389012
2104 Jun	67.37745667	0.063956112	0.014175989	0.001061046	15.54372215	0.029834852	5.502491951	0.001061046	0.001061046	5.30523E-06	0.00747676	0.001456015	0.010389399	0.028052835	5.30523E-06	23.34231186	1.91715E-05	0.000323748	0.000370575
2104 Jul	69.76720428	0.066122331	0.014674355	0.001100543	16.08897018	0.030944884	5.69599247	0.001100543	0.001100543	5.50272E-06	0.007751906	0.001508562	0.01077244	0.029039472	5.50272E-06	24.16289902	1.98724E-05	0.000335191	0.000383356
2104 Aug	71.47200012	0.067712486	0.015020597	0.001128974	16.48417854	0.031804089	5.836512566	0.001128974	0.001128974	5.64487E-06	0.007944957	0.001546297	0.011056478	0.029739298	5.64487E-06	24.74882507	2.03299E-05	0.000343241	0.000392198
2104 Sep	70.38611603	0.066891991	0.014761236	0.001113601	16.24108887	0.031486634	5.752038956	0.001113601	0.001113601	5.56801E-06	0.007835462	0.001523227	0.010925809	0.029260425	5.56801E-06	24.36233902	1.99898E-05	0.000337821	0.000385183
2104 Oct	68.59584045	0.065682769	0.014340737	0.001086877	15.837533	0.030864827	5.613334179	0.001086877	0.001086877	5.43438E-06	0.007658163	0.001484599	0.0106779	0.02848454	5.43438E-06	23.72866058	1.9483E-05	0.000328865	0.000374196
2104 Nov	68.22503662	0.065471783	0.014250034	0.001081469	15.75471115	0.030750351	5.585213661	0.001081469	0.001081469	5.40735E-06	0.007623202	0.001476607	0.010628951	0.028321302	5.40735E-06	23.59628868	1.93782E-05	0.000326981	0.000371825
2104 Dec	68.25639343	0.065503605	0.014256431	0.001081972	15.76198673	0.030765085	5.587806702	0.001081972	0.001081972	5.40986E-06	0.007626783	0.001477286	0.010633937	0.028334208	5.40986E-06	23.60708618	1.93871E-05	0.00032713	0.000371992
2105 Jan	68.25867462	0.065506317	0.014256902	0.001082002	15.76254368	0.030766059	5.588006496	0.001082002	0.001082002	5.41001E-06	0.007627005	0.001477334	0.010634237	0.028335191	5.41001E-06	23.60790253	1.93877E-05	0.000327141	0.000372005
2105 Feb	68.27008057	0.06551718	0.014259349	0.001082173	15.76520157	0.030770851	5.588945389	0.001082173	0.001082173	5.41087E-06	0.0076282	0.001477578	0.010635893	0.028340025	5.41087E-06	23.61190414	1.93907E-05	0.000327195	0.00037207
2105 Mar	68.29117584	0.065537386	0.014263792	0.001082502	15.77008915	0.030780172	5.590675831	0.001082502	0.001082502	5.41251E-06	0.007630514	0.001478033	0.010639114	0.028348835	5.41251E-06	23.61923409	1.93966E-05	0.000327297	0.000372187
2105 Apr	68.54009247	0.065776236	0.014315802	0.001086444	15.82757568	0.030892249	5.61105442	0.001086444	0.001086444	5.43222E-06	0.007658301	0.00148342	0.010677855	0.028452192	5.43222E-06	23.70534325	1.94673E-05	0.00032849	0.000373545
2105 May	68.95635223	0.06600216	0.01444359	0.001088553	15.92900753	0.030868327	5.644229889	0.001088553	0.001088553	5.44277E-06	0.007669039	0.001491245	0.010684139	0.028672503	5.44277E-06	23.87589645	1.95373E-05	0.000330666	0.000377483
2105 Jun	68.55831909	0.065357581	0.01440917	0.00107769	15.83857441	0.0304402	5.608639717	0.00107769	0.00107769	5.38845E-06	0.007588183	0.001481393	0.010560045	0.028557625	5.38845E-06	23.7651844	1.93908E-05	0.000329037	0.000377148
2105 Jul	71.04793549	0.067643367	0.014926561	0.001118537	16.41079903	0.031614982	5.812205315	0.001118537	0.001118537	5.59269E-06	0.00787013	0.001536307	0.010954541	0.029590948	5.59269E-06	24.62365913	2.00951E-05	0.000340852	0.000390526
2105 Aug	70.20275879	0.066765741	0.014725192	0.001108441	16.21918869	0.03144737	5.745771885	0.001108441	0.001108441	5.54221E-06	0.007783704	0.001519982	0.010863665	0.029221833	5.54221E-06	24.32220459	1.97999E-05	0.000336483	0.000384867
2105 Sep	67.92628479	0.064937443	0.014200418	0.001075039	15.70506382	0.030675964	5.566382408	0.001075039	0.001075039	5.3752E-06	0.007547785	0.00147135	0.010563956	0.028235741	5.3752E-06	23.51865959	1.91099E-05	0.000325229	0.000370847
2105 Oct	66.11534119	0.06367331	0.013778838	0.001047865	15.29607773	0.030031821	5.425430775	0.001047865	0.001047865	5.23933E-06	0.007366557	0.001432258	0.010310779	0.027453462	5.23933E-06	22.87883759	1.8597E-05	0.000316202	0.000359831
2105 Nov	65.45946503	0.063240252	0.013623931	0.001038099	15.14842796	0.029807199	5.374759197	0.001038099	0.001038099	5.1905E-06	0.007302013	0.001418102	0.010220543	0.027168576	5.1905E-06	22.64641953	1.84114E-05	0.000312915	0.000355783
2105 Dec	65.47272491	0.063255437	0.013626477	0.001038317	15.1515398	0.029814055	5.375882626	0.001038317	0.001038317	5.19158E-06	0.007303597	0.00141839	0.010222751	0.027173925	5.19158E-06	22.65093803	1.84152E-05	0.000312977	0.00035585
2106 Jan	65.47589874	0.06325914	0.013627133	0.00103836	15.15231037	0.029815424	5.376158714	0.00103836	0.00103836	5.1918E-06	0.007303912	0.001418456	0.010223178	0.027175285	5.1918E-06	22.652071	1.84159E-05	0.000312991	0.000355868
2106 Feb	65.48067474	0.063263647	0.013628208	0.001038424	15.15344524	0.029817168	5.376556873	0.001038424	0.001038424	5.19212E-06	0.007304348	0.001418557	0.010223775	0.027177386	5.19212E-06	22.65379333	1.84171E-05	0.000313014	0.000355898
2106 Mar	65.50907898	0.063291028	0.013634165	0.001038868	15.16003704	0.029829867	5.378892899	0.001038868	0.001038868	5.19434E-06	0.007307464	0.00141917	0.01022813	0.027189244	5.19434E-06	22.66366196	1.8425E-05	0.00031315	0.000356055
2106 Apr	65.82318878	0.063594468	0.013699564	0.001043845	15.23273754	0.029972762	5.404685974	0.001043845	0.001043845	5.21922E-06	0.007342473	0.001425974	0.010277126	0.027319649	5.21922E-06	22.77235222	1.85132E-05	0.000314652	0.000357763
2106 May	66.82698059	0.064501822	0.013923292	0.001058133	15.46694565	0.030352874	5.486769676	0.001058133	0.001058133	5.29066E-06	0.007441501	0.001447285	0.010412644	0.027753439	5.29066E-06	23.12924576	1.87783E-05	0.000319517	0.000363824
2106 Jun	63.44673157	0.060718201	0.013282153	0.001001294	14.67086411	0.028506793	5.199049473	0.001001294	0.001001294	5.00647E-06	0.007038211	0.001373013	0.009831229	0.026394019	5.00647E-06	21.97878456	1.78629E-05	0.000303922	0.000347284
2106 Jul	65.58234406	0.062576711	0.01372206	0.001038432	15.15130043	0.029543737	5.369764805	0.001038432	0.001038432	5.19216E-06	0.007296247	0.001420602	0.0101918	0.027262712	5.19216E-06	22.70286179	1.852E-05	0.000314168	0.000358269
2106 Aug	65.49601746	0.062383536	0.013678743	0.001040888	15.13393784	0.029738007	5.365600109	0.001040888	0.001040888	5.20444E-06	0.007295642	0.001421207	0.01021886	0.027210942	5.20444E-06	22.66363335	1.84385E-05	0.000313363	0.00035672
2106 Sep	63.97064209	0.061174434	0.013315754	0.001019549	14.79156876	0.029298104	5.246188641	0.001019549	0.001019549	5.09775E-06	0.007141216	0.001388933	0.010039343	0.026537241	5.09775E-06	22.12025833	1.79567E-05	0.000305777	0.000346825
2106 Oct	63.58161545	0.061043173	0.013212016	0.001014224	14.70625877	0.029212499	5.218020916	0.001014224	0.001014224	5.07112E-06	0.007109015	0.001380577	0.009994278	0.026359545	5.07112E-06	21.97845459	1.7848E-05	0.000303735	0.000344101
2106 Nov	63.7526741	0.061212748	0.013247071	0.00101697	14.74592495	0.029293036	5.232141018	0.00101697	0.00101697	5.08485E-06	0.007128383	0.001384293	0.010021498	0.026430111	5.08485E-06	22.0374279	1.78961E-05	0.000304549	0.000345013
2106 Dec	63.77592087	0.061236314	0.013251791	0.001017345	14.75132465	0.029304139	5.23406744	0.001017345	0.001017345	5.08672E-06	0.007131037	0.001384798	0.010025224	0.026439669	5.08672E-06	22.04542923	1.79026E-05	0.000304659	0.000345136
2107 Jan	63.78068924	0.061241269	0.013252779	0.001017417	14.75244904	0.029306283	5.234467983	0.001017417	0.001017417	5.08708E-06	0.007131547	0.0013849	0.010025933	0.026441673	5.08708E-06	22.04709816	1.79039E-05	0.000304681	0.000345163
2107 Feb	63.79991913	0.061259679	0.013256823	0.001017716	14.75691509	0.029314863	5.236049652	0.001017716	0.001017716	5.08858E-06	0.00713364	0.001385316	0.010028868	0.026449716	5.08858E-06	22.05378723	1.79092E-05	0.000304773	0.000345269
2107 Mar	63.8653183	0.061322439	0.013270438	0.001018756	14.77205181	0.029344771	5.241419315	0.001018756	0.001018756	5.09378E-06	0.007140922	0.001386735	0.0100391	0.026476867	5.09378E-06	22.07641792	1.79275E-05	0.000305086	0.000345624
2107 Apr	64.01824951	0.061469261	0.013302229	0.001021193	14.80743027	0.029414959	5.2539711	0.001021193	0.001021193	5.10597E-06	0.007158003	0.001390055	0.010063113	0.026540289	5.10597E-06	22.12929344	1.79704E-05	0.000305816	0.000346453
2107 May	64.22267914	0.061566439	0.013367145	0.001022023	14.85749245	0.029393455	5.270178795	0.001022023	0.001022023	5.11012E-06	0.007161341	0.001393855	0.010063555	0.02665088	5.11012E-06	22.21440887	1.80015E-05	0.000306895	0.000348468
2107 Jun	63.51494598	0.060531173	0.013279121	0.001005677	14.69312	0.028771536	5.207390785	0.001005677	0.001005677	5.02838E-06	0.007041133	0.001377103	0.009882146	0.026414908	5.02838E-06	21.99991226	1.77728E-05	0.000303886	0.000346765
2107 Jul	65.11513519	0.061934058	0.013606108	0.001033371	15.05852413	0.029585842	5.338055134	0.001033371	0.001033371	5.16685E-06	0.007228101	0.001413262	0.010146834	0.027074268	5.16685E-06	22.54734802	1.82261E-05	0.000311384	0.000355061
2107 Aug	67.51887512	0.06418059	0.014101068	0.001072717	15.61492252	0.030748488	5.535983086	0.001072717	0.001072717	5.36359E-06	0.007497772	0.001466247	0.010532722	0.028069746	5.36359E-06	23.37697601	1.88825E-05	0.00032275	0.000367858
2107 Sep	68.14350891	0.064993806	0.014209902	0.001083487	15.76403522	0.031123651	5.590638161	0.001083487	0.001083487	5.41743E-06	0.0075772	0.001479881	0.01064721	0.028313121	5.41743E-06	23.58629036	1.9054E-05	0.000325575	0.000370653
2107 Oct	67.15313721	0.06437327	0.013974081	0.001068756	15.54109859	0.030786218	5.51431942	0.001068756	0.001068756	5.34378E-06	0.007481506	0.001458422	0.010511783	0.027880946	5.34378E-06	23.23433113	1.87792E-05	0.00032061	0.000364495
2107 Nov	66.74804688	0.06412077	0.013877336	0.001062753	15.44998455	0.030650066	5.483155251	0.001062753	0.001062753	5.31376E-06	0.007442453	0.001449658	0.010456665	0.027704021	5.31376E-06	23.09030151	1.86664E-05	0.000318575	0.000361967
2107 Dec	66.77117157	0.064144865	0.013881977	0.001063127	15.45537281	0.030661326	5.485083103	0.001063127	0.001063127	5.31563E-06	0.007445115	0.00145016	0.010460396	0.0277135	5.31563E-06	23.09824944	1.86728E-05	0.000318684	0.000362088
2108 Jan	66.78113556	0.064155012	0.013884045	0.001063279	15.45771122	0.030665826	5.485915184	0.001063279	0.001063279	5.3164E-06	0.00744619	0.001450374	0.010461896	0.027717674	5.3164E-06	23.10172653	1.86755E-05	0.000318731	0.000362143
2108 Feb	66.789505	0.06416297	0.013885859	0.001063401	15.45967674	0.030669278	5.486608982	0.001063401	0.001063401	5.31701E-06	0.007447037	0.001450554	0.010463073	0.027721258	5.31701E-06	23.10468864	1.86777E-05	0.000318771	0.000362192
2108 Mar	66.868927	0.064239211	0.01390241	0.00106466	15.47807503	0.030705526	5.493135452	0.00106466	0.00106466	5.3233E-06	0.007455844	0.001452277	0.010475441	0.027754281	5.3233E-06	23.13219643	1.86998E-05	0.000319151	0.000362625
2108 Apr	67.50296021	0.064848088	0.01403441	0.001074727	15.62490177	0.030995689	5.545234203	0.001074727	0.001074727	5.37363E-06	0.007526322	0.00146604	0.010574432	0.028017709	5.37363E-06	23.3516922	1.88767E-05	0.000322177	0.000366072

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 May	68.89370728	0.06617336	0.014327347	0.001096383	15.94769764	0.031614043	5.659550667	0.001096383	0.001096383	5.48191E-06	0.007677584	0.001496115	0.010786205	0.028599842	5.48191E-06	23.83564186	1.92594E-05	0.000328827	0.000373782
2108 Jun	67.41835022	0.064220756	0.014045305	0.001076385	15.57176208	0.030835796	5.522794724	0.001076385	0.001076385	5.38193E-06	0.007540308	0.001464679	0.010580346	0.027966825	5.38193E-06	23.30433083	1.90056E-05	0.000322381	0.000365569
2108 Jul	70.7658844	0.067287862	0.014739157	0.001132074	16.33416557	0.032400653	5.793113708	0.001132074	0.001132074	5.66037E-06	0.007930874	0.001538056	0.011127227	0.02933907	5.66037E-06	24.4493084	2.00012E-05	0.000338477	0.000383239
2108 Aug	74.69599915	0.071017221	0.015551635	0.001195642	17.24250412	0.034249	6.1154809	0.001195642	0.001195642	5.97821E-06	0.008372941	0.001623838	0.011755791	0.030963197	5.97821E-06	25.80492973	2.10979E-05	0.000357216	0.000404262
2108 Sep	75.17580414	0.071608454	0.015635591	0.001204074	17.35693359	0.034544658	6.157119751	0.001204074	0.001204074	6.02037E-06	0.008433202	0.001634393	0.011847146	0.031149149	6.02037E-06	25.96549225	2.12239E-05	0.0003594	0.000406366
2108 Oct	72.10288239	0.069367781	0.014935292	0.001156914	16.66025925	0.033368591	5.915714264	0.001156914	0.001156914	5.78457E-06	0.00811891	0.001567618	0.011402776	0.029832415	5.78457E-06	24.88487053	2.03633E-05	0.000344229	0.000388152
2108 Nov	71.83316803	0.069247678	0.014866688	0.001153052	16.60047531	0.033293743	5.89566946	0.001153052	0.001153052	5.76526E-06	0.008095011	0.001561778	0.011368761	0.029711623	5.76526E-06	24.78765106	2.02888E-05	0.000342842	0.00038636
2108 Dec	71.86721802	0.069282435	0.014873566	0.001153604	16.60837936	0.033310171	5.89849329	0.001153604	0.001153604	5.76802E-06	0.008098932	0.001562519	0.011374259	0.029725587	5.76802E-06	24.79934883	2.02984E-05	0.000343003	0.000386538
2109 Jan	71.8741684	0.069289714	0.014875003	0.001153709	16.61002159	0.033313315	5.899078369	0.001153709	0.001153709	5.76854E-06	0.008099678	0.001562668	0.011375294	0.029728506	5.76854E-06	24.80177879	2.03003E-05	0.000343036	0.000386577
2109 Feb	71.89156342	0.069306388	0.014878677	0.001153976	16.61406898	0.033320967	5.900511265	0.001153976	0.001153976	5.76988E-06	0.008101547	0.001563043	0.011377908	0.029735809	5.76988E-06	24.80784798	2.0305E-05	0.000343119	0.000386674
2109 Mar	71.98524475	0.069396645	0.014898106	0.001155474	16.63573265	0.033364166	5.908202648	0.001155474	0.001155474	5.77737E-06	0.008112055	0.001565078	0.011392658	0.029774617	5.77737E-06	24.84021187	2.03314E-05	0.000343566	0.00038718
2109 Apr	72.44728088	0.069842011	0.01499377	0.001162884	16.74252319	0.033578094	5.946127892	0.001162884	0.001162884	5.81442E-06	0.008164072	0.001575122	0.011465707	0.029965786	5.81442E-06	24.99968338	2.04618E-05	0.000345772	0.000389667
2109 May	72.97899628	0.070188291	0.015142402	0.001167259	16.86965561	0.033622891	5.98861742	0.001167259	0.001167259	5.83629E-06	0.008191308	0.00158555	0.011495401	0.030229513	5.83629E-06	25.20750999	2.05714E-05	0.000348495	0.000394085
2109 Jun	73.38465881	0.070243925	0.01529009	0.001167785	16.96500587	0.033481348	6.017852306	0.001167785	0.001167785	5.83892E-06	0.008190095	0.001592682	0.011478319	0.030462518	5.83892E-06	25.38237572	2.06464E-05	0.000350807	0.000398666
2109 Jul	74.94847107	0.071594648	0.015606617	0.00119548	17.32141495	0.034306195	6.145768642	0.00119548	0.00119548	5.9774E-06	0.008375328	0.001628439	0.011741021	0.031105392	5.9774E-06	25.91567993	2.10884E-05	0.000358072	0.000406645
2109 Aug	76.81461334	0.073247023	0.015981635	0.001228123	17.75209618	0.035313033	6.300629616	0.001228123	0.001228123	6.14061E-06	0.008590596	0.00167118	0.012051959	0.031876802	6.14061E-06	26.55591965	2.15831E-05	0.000366645	0.000416197
2109 Sep	75.96147156	0.072726689	0.015772674	0.001215876	17.5616951	0.035061367	6.235494614	0.001215876	0.001215876	6.07938E-06	0.008509306	0.00165283	0.011945472	0.031498492	6.07938E-06	26.25071335	2.13336E-05	0.000362339	0.000410652
2109 Oct	72.49704742	0.070154108	0.014983745	0.001163093	16.77463531	0.033742577	5.962614059	0.001163093	0.001163093	5.81546E-06	0.008156192	0.001577745	0.011447784	0.030012773	5.81546E-06	25.0311985	2.03661E-05	0.000345246	0.000390063
2109 Nov	72.46644592	0.070203252	0.014970116	0.001162876	16.7690258	0.033757553	5.961308479	0.001162876	0.001162876	5.81438E-06	0.008156412	0.001577106	0.011447866	0.02999494	5.81438E-06	25.0182991	2.03581E-05	0.000345041	0.000389704
2109 Dec	72.50795746	0.070245013	0.014978556	0.001163547	16.77865982	0.033777408	5.964745998	0.001163547	0.001163547	5.81774E-06	0.008161152	0.001578009	0.011454511	0.030012025	5.81774E-06	25.03258705	2.03698E-05	0.000345237	0.000389923
2110 Jan	72.52560425	0.070262581	0.014982201	0.001163825	16.78277206	0.033785563	5.966209412	0.001163825	0.001163825	5.81913E-06	0.008163108	0.001578392	0.011457248	0.030019365	5.81913E-06	25.03870583	2.03747E-05	0.000345321	0.000390019
2110 Feb	72.54820251	0.070284389	0.014986929	0.001164178	16.78802109	0.033795759	5.968072414	0.001164178	0.001164178	5.82089E-06	0.008165579	0.001578881	0.011460706	0.030028807	5.82089E-06	25.04656029	2.03809E-05	0.000345429	0.000390144
2110 Mar	72.6127243	0.070346855	0.015000291	0.001165209	16.80296516	0.033825636	5.97338295	0.001165209	0.001165209	5.82604E-06	0.008172802	0.001580284	0.011470838	0.030055564	5.82604E-06	25.06886673	2.03989E-05	0.000345736	0.000390492
2110 Apr	72.88373566	0.070609376	0.015056294	0.001169555	16.86568451	0.033951778	5.995678425	0.001169555	0.001169555	5.84777E-06	0.008203282	0.001586181	0.011513614	0.030167764	5.84777E-06	25.16244507	2.0475E-05	0.000347026	0.000391951
2110 May	73.61938477	0.07127583	0.015219391	0.001180141	17.0372467	0.034236126	6.055912971	0.001180141	0.001180141	5.90071E-06	0.008276543	0.001601862	0.011613871	0.030485069	5.90071E-06	25.42355347	2.06696E-05	0.000350581	0.000396361
2110 Jun	70.0401535	0.06730435	0.014555969	0.001117146	16.2012291	0.03218184	5.752959728	0.001117146	0.001117146	5.58573E-06	0.007830465	0.001522331	0.010965321	0.02906972	5.58573E-06	24.22019386	1.96665E-05	0.000334095	0.000379683
2110 Jul	72.00257874	0.069048941	0.014957847	0.001151066	16.64594078	0.033150606	5.911447525	0.001151066	0.001151066	5.75533E-06	0.008064819	0.001566165	0.011293747	0.02987116	5.75533E-06	24.88780785	2.02527E-05	0.000343427	0.000389801
2110 Aug	68.71871948	0.065687984	0.014231961	0.001105452	15.89023876	0.0320484	5.646781921	0.001105452	0.001105452	5.52726E-06	0.00771374	0.001499248	0.010848197	0.028482264	5.52726E-06	23.73614311	1.92334E-05	0.000327057	0.000370152
2110 Sep	65.84459686	0.063468367	0.01357305	0.001062507	15.23886108	0.031013617	5.420003891	0.001062507	0.001062507	5.31253E-06	0.007419086	0.0014373	0.010455308	0.027241042	5.31253E-06	22.72209358	1.83992E-05	0.000312893	0.000352715
2110 Oct	63.20121002	0.061704341	0.012953454	0.001022805	14.64204693	0.030074462	5.21467495	0.001022805	0.001022805	5.11402E-06	0.007158394	0.001379974	0.010087748	0.026094301	5.11402E-06	21.78591728	1.7663E-05	0.000299724	0.000336535
2110 Nov	62.55158615	0.061252102	0.0128031	0.001012961	14.49501228	0.029835371	5.163907051	0.001012961	0.001012961	5.0648E-06	0.007093375	0.001365868	0.009995996	0.025813844	5.0648E-06	21.55647469	1.74822E-05	0.000296504	0.000332612
2110 Dec	62.57841873	0.061280835	0.012808377	0.001013402	14.50127506	0.029848982	5.166158199	0.001013402	0.001013402	5.06701E-06	0.007096524	0.001366453	0.010000421	0.025824763	5.06701E-06	21.56565285	1.74897E-05	0.000296629	0.000332749
2111 Jan	62.58559799	0.061288469	0.012809847	0.001013511	14.50297356	0.029852301	5.166765213	0.001013511	0.001013511	5.06756E-06	0.007097296	0.001366608	0.010001496	0.025827773	5.06756E-06	21.56816292	1.74916E-05	0.000296663	0.000332789
2111 Feb	62.59104538	0.061293676	0.012811045	0.001013587	14.50426579	0.029854452	5.167220592	0.001013587	0.001013587	5.06794E-06	0.007097818	0.001366724	0.010002219	0.02583014	5.06794E-06	21.57011223	1.74929E-05	0.000296689	0.000332822
2111 Mar	62.70084381	0.061401136	0.012833564	0.001015358	14.52972507	0.029906576	5.176287651	0.001015358	0.001015358	5.07679E-06	0.007110217	0.001369119	0.010019683	0.025875516	5.07679E-06	21.60798836	1.75235E-05	0.000297209	0.000333408
2111 Apr	63.13018417	0.061821543	0.012921467	0.001022307	14.62922573	0.03011122	5.211734295	0.001022307	0.001022307	5.11154E-06	0.007158874	0.001378493	0.010088246	0.026052738	5.11154E-06	21.75597382	1.76434E-05	0.000299244	0.000335692
2111 May	63.99464417	0.062571645	0.013122206	0.001033671	14.83245182	0.030397788	5.282491684	0.001033671	0.001033671	5.16836E-06	0.007236431	0.001396636	0.010192289	0.026436737	5.16836E-06	22.0691452	1.78592E-05	0.000303456	0.00034126
2111 Jun	62.53616333	0.060724728	0.012903509	0.001002616	14.4956522	0.029285835	5.156666279	0.001002616	0.001002616	5.01308E-06	0.007013557	0.001362629	0.009858241	0.025915204	5.01308E-06	21.60933876	1.74084E-05	0.000297033	0.000336492
2111 Jul	65.93105316	0.063947193	0.013601406	0.001058379	15.27726173	0.030904809	5.43489027	0.001058379	0.001058379	5.2919E-06	0.007402528	0.001437137	0.010404796	0.027314488	5.2919E-06	22.77633095	1.83756E-05	0.000313166	0.00035449
2111 Aug	64.79420471	0.062731817	0.013337	0.001044415	15.01758003	0.030604764	5.344541073	0.001044415	0.001044415	5.22207E-06	0.007284762	0.001415038	0.010274457	0.026823113	5.22207E-06	22.37262344	1.79899E-05	0.000307341	0.000347098
2111 Sep	64.36785126	0.062451966	0.013220028	0.001039537	14.92604065	0.030615028	5.312903404	0.001039537	0.001039537	5.19769E-06	0.00724543	0.00140632	0.010249002	0.026619375	5.19769E-06	22.21536636	1.78268E-05	0.00030514	0.000343723
2111 Oct	62.35292053	0.060984511	0.012760662	0.001008659	14.46864796	0.029841658	5.154288769	0.001008659	0.001008659	5.04329E-06	0.007040349	0.001362464	0.00995928	0.025754197	5.04329E-06	21.50592995	1.72669E-05	0.000295217	0.00033175
2111 Nov	61.18969727	0.060190324	0.012490761	0.000990989	14.20559216	0.029413324	5.063513279	0.000990989	0.000990989	4.95494E-06	0.006924282	0.001337147	0.009795095	0.025251381	4.95494E-06	21.09489822	1.69442E-05	0.000289451	0.000324715
2111 Dec	61.20789719	0.060218375	0.012493566	0.000991314	14.21001053	0.029425614	5.065173149	0.000991314	0.000991314	4.95657E-06	0.006926789	0.001337545	0.009798608	0.025258249	4.95657E-06	21.1008873	1.69493E-05	0.00028953	0.000324787
2112 Jan	61.21467209	0.060225725	0.012494951	0.000991415	14.21162319	0.029428737	5.065749168	0.000991415	0.000991415	4.95708E-06	0.006927507	0.00133769	0.009799606	0.025261097	4.95708E-06	21.10326385	1.69511E-05	0.000289561	0.000324825
2112 Feb	61.23262405	0.060243238	0.012498714	0.000991691	14.21582413	0.02943683	5.067241192	0.000991691	0.000991691	4.95846E-06	0.006929425	0.001338079	0.009802305	0.025268646	4.95846E-06	21.10953712	1.69558E-05	0.000289647	0.000324925
2112 Mar	61.35873032	0.060367227	0.012524509	0.000993726	14.245121	0.029497165	5.077680588	0.000993726	0.000993726	4.96863E-06	0.006943635	0.001340832	0.009822397	0.025320763	4.96863E-06	21.1530571	1.69906E-05	0.000290243	0.000325597
2112 Apr	61.72165298	0.060724236	0.012598618	0.000999599	14.32938671	0.02967147	5.107715607	0.000999599	0.000999599	4.998E-06	0.00698467	0.001348762	0.00988044	0.025470572	4.998E-06	21.27819824	1.7091E-05	0.00029196	0.000327524
2112 May	62.39144516	0.061230246	0.012772736	0.001006327	14.48926926	0.029795485	5.162080765	0.001006327	0.001006327	5.03163E-06	0.007028538	0.001362233	0.009934618	0.02578932	5.03163E-06	21.53285217	1.7237E-05	0.000295314	0.000332596
2112 Jun	57.54697418	0.055888575	0.01187834	0.000920207	13.35888481	0.026977642	4.751792908	0.000920207	0.000920207	4.60104E-06	0.00642146	0.00125399	0.009052228	0.023874931	4.60104E-06	19.90620613	1.58799E-05	0.000273088	0.000310179
2112 Jul	58.44574356	0.05657116	0.012059325	0.00093782	13.55248928	0.027451938	4.820681572	0.00093782	0.00093782	4.6891E-06	0.006543679	0.001274663	0.009222806	0.024226712	4.6891E-06	20.20069504	1.61964E-05	0.000277449	0.000314367
2112 Aug	60.60346222	0.058655471	0.012495635	0.000973374	14.05474281	0.028533755	4.999489784	0.000973374	0.000973374	4.86687E-06	0.006787447	0.001322143	0.009579584	0.025112471	4.86687E-06	20.94311714	1.67739E-05	0.000287625	0.000325584
2112 Sep	60.67295456	0.058840062	0.012491306	0.000975589	14.07525063	0.028667429	5.007596016	0.000975589	0.000975589	4.87795E-06	0.00680179	0.001323902	0.009614399	0.025124289	4.87795E-06	20.96065903	1.6773E-05	0.000287844	0.000325305
2112 Oct	60.16553497	0.058567535	0.012367595	0.000968054	13.96154976	0.028500507	4.968940258	0.000968054	0.000968054	4.84027E-06	0.006754579	0.001312814	0.009546404	0.024900384	4.84027E-06	20.77926636	1.66358E-05	0.000285289	0.000322082
2112 Nov	60.1921463	0.058636751	0.012369265	0.000968606	13.9685173	0.028527504	4.971774578	0.000968606	0.000968606	4.84303E-06	0.006759476	0.001313392	0.009553079	0.024908675	4.84303E-06	20.78725433	1.66437E-05	0.000285386	0.000322126
2112 Dec	60.2281456	0.058673419	0.012376523	0.00096919	13.97690105	0.028545097	4.974771976	0.00096919	0.00096919	4.84595E-06	0.006763589	0.001314178	0.009558883	0.024923474	4.84595E-06	20.79964256	1.66537E-05	0.000285555	0.000322315
2113 Jan	60.23228836	0.058677927	0.012377374	0.000969251	13.97788811	0.02854698	4.975124836	0.000969251	0.000969251	4.84625E-06	0.006764023	0.001314266	0.009559486	0.024925219	4.84625E-06	20.80109978	1.66548E-05	0.000285575	0.000322338
2113 Feb	60.24832916	0.058693465	0.012380735	0.000969499	13.98163414	0.028554233	4.976454258	0.000969499	0.000969499	4.8475E-06	0.00676575	0.001314614	0.009561916	0.02493195	4.8475E-06	20.80669403	1.66591E-05	0.000285651	0.000322427
2113 Mar	60.44241333	0.058882494	0.012420653	0.000972617	14.02668667	0.028646026	4.992487907	0.000972617	0.000972617	4.86309E-06	0.006787504	0.001318847	0.009592655	0.02501232	4.86309E-06	20.87375259	1.67126E-05	0.000286571	0.000323467
2113 Apr	60.8051796	0.059235867	0.012495221	0.000978452	14.1108799	0.028817842	5.022453308	0.000978452	0.000978452	4.89226E-06	0.006828218	0.001326762	0.009650192	0.025162468	4.89226E-06	20.99905014	1.68129E-05	0.000288291	0.00032541
2113 May	61.63999557	0.059908167	0.012699007	0.000988476	14.30746269	0.02904292	5.090114117	0.000988476	0.000988476	4.94238E-06	0.006895675	0.001343992	0.009738454	0.025543131	4.94238E-06	21.30689049	1.70146E-05	0.000292423	0.000331156
2113 Jun	60.31250763	0.058157485	0.012507526	0.000959973	13.99772072	0.027989784	4.973623753	0.000959973	0.000959973	4.79987E-06	0.006691773	0.001312838	0.009430869	0.025070675	4.79987E-06	20.88894081	1.66182E-05	0.000286687	0.000326984
2113 Jul	62.6018486	0.060251623	0.012975832	0.000998526	14.52458191	0.029130831	5.161838055	0.000998526	0.000998526	4.99263E-06	0.006954374	0.001363981	0.009802836	0.02601688	4.99263E-06	21.67570877	1.72547E-05	0.000297432	0.000339008
2113 Aug	64.42805481	0.061957296	0.013344712	0.001029225	14.94896698	0.030073019	5.313512802	0.001029225	0.001029225	5.14613E-06	0.007160989	0.001404817	0.010104175	0.026770208	5.14613E-06	22.30435944	1.77366E-05	0.000305946	0.000348482
2113 Sep	63.73565674	0.061552085	0.013171074	0.001019582	14.79504967	0.029891055	5.26082325	0.001019582	0.001019582	5.09791E-06	0.007096753	0.001389929	0.010025357	0.026457774	5.09791E-06	22.05460739	1.75305E-05	0.000302453	0.000343803
2113 Oct	60.74328995	0.059409525	0.012486571	0.000973861	14.11472988	0.028742291	5.025098324	0.000973861	0.000973861	4.86931E-06	0.006795878	0.001324684	0.009597221	0.025169067	4.86931E-06	20.99875832	1.67127E-05	0.000287731	0.000325941
2113 Nov	60.28233337	0.05921264	0.012369364	0.000967202	14.01244259	0.028610438	4.990778446	0.000967202	0.000967202	4.83601E-06	0.006755332	0.001314633	0.009538861	0.024962218	4.83601E-06	20.83244896	1.65879E-05	0.000285371	0.000322883
2113 Dec	60.31943893	0.059251651	0.012376752	0.000967805	14.02111435	0.028628903	4.993887424	0.000967805	0.000967805	4.83902E-06	0.006759605	0.001315442	0.00954488	0.024977421	4.83902E-06	20.84520149	1.65982E-05	0.000285545	0.000323076
2114 Jan	60.32904053	0.059261672	0.012378722	0.000967952	14.02337933	0.028633358	4.994696617	0.000967952	0.000967952	4.83976E-06	0.006760641	0.001315649	0.00954633	0.024981443	4.83976E-06	20.8485527	1.66007E-05	0.00028559	0.000323129
2114 Feb	60.33613968	0.059268519	0.01238026	0.000968054	14.02505779	0.028636282	4.995289326	0.000968054	0.000968054	4.84027E-06	0.006761343	0.0013158	0.009547308	0.024984498	4.84027E-06	20.85107613	1.66024E-05	0.000285624	0.000323171
2114 Mar	60.43501663	0.059365578	0.012400594	0.000969634	14.0480566	0.02868297	5.003478527	0.000969634	0.000969634	4.84817E-06	0.006772372	0.001317955	0.009562874	0.025025506	4.84817E-06	20.88528252	1.66296E-05	0.000286092	0.000323702
2114 Apr	60.6856575	0.059611745	0.012452047	0.000973651	14.10632706	0.028801786	5.02423048	0.000973651	0.000973651	4.86826E-06	0.006800429	0.00132342	0.009602488	0.025129331	4.86826E-06	20.97192192	1.66985E-05	0.000287278	0.000325046
2114 May	60.77924728	0.059535485	0.012511965	0.000970742	14.13214302	0.028628912	5.030553341	0.000970742	0.000970742	4.85371E-06	0.006777207	0.00132418	0.009560275	0.025213216	4.85371E-06	21.02941322	1.6686E-05	0.000287936	0.000327184
2114 Jun	61.5150528	0.059942942	0.01272206	0.000977193	14.30253983	0.02866591	5.08678627	0.000977193	0.000977193	4.88597E-06	0.006819267	0.001338567	0.009604335	0.025574731	4.88597E-06	21.31374931	1.68665E-05	0.000291818	0.000333291
2114 Jul	65.02542114	0.063286349	0.013444188	0.00103438	15.1149044	0.030348022	5.376240253	0.00103438	0.00103438	5.1719E-06	0.007215097	0.001415741	0.010162645	0.027029175	5.1719E-06	22.52517509	1.78388E-05	0.000308409	0.000352041
2114 Aug	68.85502625	0.066993378	0.01423029	0.001096099	16.00577354	0.032185532	5.693451405	0.001096099	0.001096099	5.4805E-06	0.007641945	0.001499599	0.010770842	0.028616777	5.4805E-06	23.84958076	1.88767E-05	0.000326498	0.000372527
2114 Sep	67.69234467	0.066201545	0.013948255	0.001079683	15.74461365	0.031842701	5.603143692	0.001079683	0.001079683	5.39842E-06	0.007530331	0.001474617	0.010632804	0.028098259	5.39842E-06	23.43257141	1.85338E-05	0.000320712	0.000364906
2114 Oct	65.87908936	0.064978525	0.013526329	0.001052326	15.33300495	0.031172967	5.461165428	0.001052326	0.001052326	5.26163E-06	0.007352774	0.001435083	0.010379146	0.027311074	5.26163E-06	22.78966141	1.80443E-05	0.00031175	0.000353872
2114 Nov	64.27813721	0.063864857	0.013157268	0.001027973	14.96942234	0.030568372	5.335448742	0.001027973	0.001027973	5.13986E-06	0.007193534	0.001400164	0.01015211	0.026619267	5.13986E-06	22.22366905	1.76087E-05	0.000303855	0.000344237
2114 Dec	64.25030518	0.063856907	0.013149859	0.00102758	14.96331978	0.03056162	5.333433628	0.00102758	0.00102758	5.1379E-06	0.007191248	0.001399556	0.010148787	0.026606543	5.1379E-06	22.21352386	1.76012E-05	0.00030371	0.000344044
2115 Jan	64.26324463	0.063870527	0.013152511	0.001027778	14.96637821	0.03056764	5.334526062	0.001027778	0.001027778	5.13889E-06	0.007192645	0.001399835	0.010150741	0.026611961	5.13889E-06	22.21804237	1.76046E-05	0.000303771	0.000344115
2115 Feb	64.28005981	0.063887045	0.01315606	0.001028031	14.97032928	0.03057505	5.335927963	0.001028031	0.001028031	5.14015E-06	0.007194403	0.001400197	0.010153204	0.026619079	5.14015E-06	22.22394753	1.7609E-05	0.000303851	0.00034421
2115 Mar	64.33622742	0.063942775	0.013167616	0.00102892	14.98343086	0.030601444	5.340594292	0.00102892	0.00102892	5.1446E-06	0.007200622	0.001401418	0.010161972	0.026642423	5.1446E-06	22.24341774	1.76242E-05	0.000304116	0.000344514

Appendix D.2-4: B5

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Apr	64.71006775	0.064314261	0.013244163	0.001034894	15.07050514	0.030779077	5.371628761	0.001034894	0.001034894	5.17447E-06	0.007242423	0.00140956	0.010220959	0.026797282	5.17447E-06	22.37269592	1.77266E-05	0.000305884	0.000346517
2115 May	64.96736908	0.064393409	0.0133399	0.001034339	15.13464737	0.030670742	5.391444683	0.001034339	0.001034339	5.17169E-06	0.007235702	0.001413796	0.010201315	0.026951414	5.17169E-06	22.48816681	1.77575E-05	0.00030733	0.000349625
2115 Jun	67.04810333	0.066249639	0.013811959	0.001062944	15.62162113	0.031413775	5.561658859	0.001062944	0.001062944	5.31472E-06	0.007433299	0.001457711	0.010468671	0.027861241	5.31472E-06	23.23387337	1.82962E-05	0.000317441	0.000362555
2115 Jul	70.31026459	0.069381483	0.014477818	0.001116378	16.37965965	0.033019222	5.83265543	0.001116378	0.001116378	5.58189E-06	0.007800082	0.00152989	0.010987726	0.029215114	5.58189E-06	24.36078072	1.91788E-05	0.000332713	0.000379896
2115 Aug	68.88593292	0.067881212	0.014157507	0.001097533	16.05134773	0.03258894	5.717285156	0.001097533	0.001097533	5.48767E-06	0.007650897	0.001501146	0.010811513	0.028602853	5.48767E-06	23.85695648	1.87286E-05	0.000325627	0.00037102
2115 Sep	68.86613464	0.067945592	0.014130805	0.001098828	16.05267143	0.032721717	5.718183041	0.001098828	0.001098828	5.49414E-06	0.007654473	0.001501182	0.010844206	0.028572304	5.49414E-06	23.84221649	1.86825E-05	0.000325411	0.000370027
2115 Oct	68.59557343	0.067857653	0.014059508	0.001095012	15.993083	0.032653831	5.698424816	0.001095012	0.001095012	5.47506E-06	0.007632022	0.001495281	0.010811717	0.02844898	5.47506E-06	23.74373055	1.861E-05	0.000324008	0.000368164
2115 Nov	67.7881012	0.067337118	0.013869497	0.001082874	15.81049538	0.032364506	5.635648727	0.001082874	0.001082874	5.41437E-06	0.007553612	0.001477681	0.010699946	0.028097251	5.41437E-06	23.4570179	1.83904E-05	0.000319996	0.0003632
2115 Dec	67.78366089	0.067352787	0.013866819	0.001082859	15.80985832	0.032369219	5.635586739	0.001082859	0.001082859	5.41429E-06	0.007553958	0.001477584	0.010700373	0.02809418	5.41429E-06	23.45495033	1.83892E-05	0.000319961	0.00036313
2116 Jan	67.79698181	0.067366809	0.013869546	0.001083062	15.81301022	0.032375429	5.636712551	0.001083062	0.001083062	5.41531E-06	0.007555388	0.001477872	0.010702379	0.02809976	5.41531E-06	23.45960426	1.83927E-05	0.000320024	0.000363203
2116 Feb	67.83023834	0.067399658	0.013876466	0.001083576	15.8208046	0.03239068	5.639483929	0.001083576	0.001083576	5.41788E-06	0.007558963	0.001478592	0.010707424	0.02811371	5.41788E-06	23.47121048	1.84015E-05	0.000320181	0.000363387
2116 Mar	67.89328003	0.067462198	0.013889427	0.001084574	15.83552933	0.032420442	5.644729137	0.001084574	0.001084574	5.42287E-06	0.007565917	0.001479964	0.010717264	0.028139928	5.42287E-06	23.49308014	1.84184E-05	0.000320479	0.000363728
2116 Apr	68.25670624	0.067823261	0.013963812	0.001090375	15.92030907	0.032593794	5.674947262	0.001090375	0.001090375	5.45187E-06	0.007606377	0.001487885	0.010774571	0.028290611	5.45187E-06	23.61886597	1.8517E-05	0.000322194	0.000365676
2116 May	68.90084839	0.068318389	0.014129231	0.001097077	16.07368851	0.032723133	5.727218151	0.001097077	0.001097077	5.48538E-06	0.007650509	0.00150089	0.010829807	0.028594537	5.48538E-06	23.8623085	1.86605E-05	0.000325415	0.000370467
2116 Jun	64.78232574	0.063671298	0.013383967	0.001022887	15.10995388	0.030247934	5.376169205	0.001022887	0.001022887	5.11444E-06	0.007127507	0.001408498	0.010065257	0.026977956	5.11444E-06	22.48451424	1.75149E-05	0.000306659	0.000351881
2116 Jul	68.19927216	0.066924773	0.014088251	0.001078562	15.8979578	0.03186338	5.656378269	0.001078562	0.001078562	5.39281E-06	0.007516048	0.001483268	0.010612401	0.02838839	5.39281E-06	23.66098976	1.8482E-05	0.00032292	0.000370089
2116 Aug	71.30341339	0.069967568	0.014721842	0.001128456	16.62312126	0.033371769	5.91449213	0.001128456	0.001128456	5.64228E-06	0.007860164	0.001551126	0.011109689	0.029672781	5.64228E-06	24.73492432	1.93063E-05	0.000337566	0.000386596
2116 Sep	69.38487244	0.068533987	0.014278446	0.001100128	16.18583488	0.032680549	5.762462616	0.001100128	0.001100128	5.50064E-06	0.007670307	0.001509599	0.010852472	0.02883682	5.50064E-06	24.05358696	1.87751E-05	0.000328153	0.0003748
2116 Oct	67.17073822	0.067113422	0.013755858	0.001067141	15.68361568	0.031890944	5.589885235	0.001067141	0.001067141	5.33571E-06	0.007458739	0.001461352	0.010549168	0.027868854	5.33571E-06	23.26508331	1.81846E-05	0.000317167	0.000361099
2116 Nov	67.16403961	0.067221709	0.013744461	0.001067349	15.68421173	0.031925667	5.591027737	0.001067349	0.001067349	5.33674E-06	0.007462941	0.001461194	0.010554532	0.027858943	5.33674E-06	23.25964737	1.8184E-05	0.000317058	0.000360803
2116 Dec	67.17523193	0.06723468	0.013746594	0.001067532	15.68685436	0.031931583	5.591984749	0.001067532	0.001067532	5.33766E-06	0.007464265	0.001461438	0.010556394	0.027863469	5.33766E-06	23.2634716	1.81871E-05	0.000317109	0.000360859
2117 Jan	67.17907715	0.067239031	0.013747382	0.001067587	15.68778038	0.031933319	5.592316628	0.001067587	0.001067587	5.33793E-06	0.007464658	0.001461519	0.010556938	0.027865103	5.33793E-06	23.26483154	1.8188E-05	0.000317127	0.00036088
2117 Feb	67.18321228	0.067243032	0.013748302	0.001067642	15.68877125	0.031934887	5.592665195	0.001067642	0.001067642	5.33821E-06	0.007465035	0.001461606	0.010557458	0.02786692	5.33821E-06	23.266325	1.8189E-05	0.000317147	0.000360906
2117 Mar	67.26164246	0.067321457	0.013764392	0.001068883	15.70709991	0.031971946	5.599195957	0.001068883	0.001068883	5.34441E-06	0.007473704	0.001463311	0.010569712	0.027899511	5.34441E-06	23.29351997	1.82102E-05	0.000317517	0.000361329
2117 Apr	67.72991943	0.067790113	0.013860243	0.001076321	15.81645966	0.032194413	5.638179302	0.001076321	0.001076321	5.3816E-06	0.00752571	0.001473498	0.010643258	0.028093779	5.3816E-06	23.45570946	1.83369E-05	0.000319728	0.000363846
2117 May	68.60079193	0.068532683	0.014067547	0.001087134	16.02197266	0.032453679	5.709343433	0.001087134	0.001087134	5.43567E-06	0.007599368	0.001491553	0.010740688	0.028486196	5.43567E-06	23.77450752	1.85491E-05	0.000324003	0.000369668
2117 Jun	69.06624603	0.068684913	0.014222458	0.001089091	16.13001633	0.03235789	5.743330956	0.001089091	0.001089091	5.44546E-06	0.007610409	0.001499961	0.01074082	0.028736318	5.44546E-06	23.96596146	1.86538E-05	0.00032661	0.000374354
2117 Jul	72.51434326	0.072029077	0.014927652	0.001145028	16.93224144	0.034033515	6.029769897	0.001145028	0.001145028	5.72514E-06	0.007996372	0.001575849	0.011287083	0.030167457	5.72514E-06	25.15817451	1.95873E-05	0.000342804	0.000392761
2117 Aug	74.48792267	0.073950902	0.01532381	0.001177644	17.39418793	0.035049669	6.194855213	0.001177644	0.001177644	5.88822E-06	0.008217558	0.001619598	0.0116119	0.030980701	5.88822E-06	25.83885002	2.00981E-05	0.000352005	0.000403003
2117 Sep	75.14321136	0.074737772	0.015442804	0.001188772	17.55047226	0.03543118	6.251581669	0.001188772	0.001188772	5.94386E-06	0.00829691	0.001633956	0.011729713	0.031240055	5.94386E-06	26.06066895	2.02687E-05	0.000354997	0.000406056
2117 Oct	73.91931152	0.0739225	0.015155454	0.00117066	17.27158737	0.034990381	6.155560493	0.00117066	0.00117066	5.8533E-06	0.00818041	0.001607338	0.011562621	0.03070493	5.8533E-06	25.6243763	1.99465E-05	0.000348945	0.000398491
2117 Nov	73.57946014	0.073698334	0.015075464	0.001165638	17.19418526	0.034868732	6.128929138	0.001165638	0.001165638	5.82819E-06	0.008148163	0.001599947	0.011516355	0.030556191	5.82819E-06	25.50315857	1.98571E-05	0.000347264	0.000396385
2117 Dec	73.59285736	0.073719136	0.015077552	0.001165873	17.19744492	0.034877583	6.130151749	0.001165873	0.001165873	5.82937E-06	0.008149988	0.001600238	0.011518892	0.030561274	5.82937E-06	25.50758553	1.98609E-05	0.000347322	0.00039644
2118 Jan	73.60359192	0.073730692	0.015079753	0.001166034	17.19999886	0.034882527	6.131064892	0.001166034	0.001166034	5.83017E-06	0.008151124	0.001600468	0.011520478	0.030565793	5.83017E-06	25.51135445	1.98636E-05	0.000347372	0.000396499
2118 Feb	73.61808014	0.073744982	0.015082837	0.001166246	17.20342064	0.034888756	6.132277489	0.001166246	0.001166246	5.83123E-06	0.008152596	0.001600778	0.011522537	0.030571973	5.83123E-06	25.51646996	1.98673E-05	0.000347441	0.000396583
2118 Mar	73.66378784	0.073790647	0.015092266	0.001166961	17.21412277	0.034910072	6.136088371	0.001166961	0.001166961	5.83481E-06	0.008157586	0.00160177	0.01152958	0.030591043	5.83481E-06	25.5323658	1.98795E-05	0.000347657	0.000396832
2118 Apr	74.02639008	0.074146248	0.015170712	0.00117211	17.30020523	0.035059489	6.166519642	0.00117211	0.00117211	5.86055E-06	0.00819307	0.001609499	0.011579065	0.030747481	5.86055E-06	25.66153717	1.99686E-05	0.000349377	0.000398982
2118 May	73.5750885	0.073360026	0.01516066	0.001155935	17.20356178	0.034405477	6.126270294	0.001155935	0.001155935	5.77968E-06	0.008074071	0.001597071	0.011392145	0.030652147	5.77968E-06	25.55659103	1.97664E-05	0.000347674	0.000399881
2118 Jun	70.01126862	0.069294162	0.014527255	0.001090469	16.37092972	0.032202337	5.822225094	0.001090469	0.001090469	5.45235E-06	0.007611819	0.001516776	0.010713678	0.02926662	5.45235E-06	24.37170601	1.87637E-05	0.000331496	0.000384271
2118 Jul	74.43471527	0.073606461	0.015442471	0.001160553	17.40119362	0.034268055	6.188905239	0.001160553	0.001160553	5.80277E-06	0.00809931	0.001613162	0.011400006	0.03111014	5.80277E-06	25.90672874	1.99641E-05	0.000352424	0.000408318
2118 Aug	74.56459808	0.073700257	0.015446798	0.001165256	17.43525124	0.034508452	6.201652527	0.001165256	0.001165256	5.82628E-06	0.008120389	0.001617287	0.011461326	0.031143041	5.82628E-06	25.94276428	1.99507E-05	0.000352844	0.000408027
2118 Sep	71.11628723	0.070851713	0.014671562	0.001113949	16.64315605	0.033187617	5.924166203	0.001113949	0.001113949	5.56975E-06	0.007770222	0.001542781	0.010987534	0.029654367	5.56975E-06	24.72354507	1.89992E-05	0.000336104	0.000387338
2118 Oct	68.58319092	0.068970382	0.014094102	0.001075817	16.0630703	0.032211121	5.722790718	0.001075817	0.001075817	5.37908E-06	0.00751938	0.001487698	0.010629948	0.028560005	5.37908E-06	23.82669258	1.8325E-05	0.000323704	0.000372146
2118 Nov	68.08907318	0.068637781	0.013978457	0.001068474	15.95055485	0.032031994	5.684015751	0.001068474	0.001068474	5.34237E-06	0.007471944	0.00147695	0.010562131	0.028344389	5.34237E-06	23.65080643	1.81939E-05	0.000321262	0.000369104
2118 Dec	68.1204071	0.068671964	0.013984653	0.001068974	15.95793629	0.032047629	5.686668396	0.001068974	0.001068974	5.34487E-06	0.007475505	0.00147763	0.01056715	0.028357256	5.34487E-06	23.66160774	1.82024E-05	0.000321408	0.000369268
2119 Jan	68.13301086	0.068685226	0.013987243	0.001069165	15.96092033	0.032053463	5.68773365	0.001069165	0.001069165	5.34583E-06	0.007476852	0.001477901	0.010569041	0.028362544	5.34583E-06	23.66601944	1.82056E-05	0.000321467	0.000369337
2119 Feb	68.15287781	0.068705089	0.013991403	0.001069465	15.96560097	0.032062367	5.689396381	0.001069465	0.001069465	5.34733E-06	0.00747894	0.001478329	0.010571978	0.02837093	5.34733E-06	23.67298698	1.82108E-05	0.000321561	0.000369449
2119 Mar	68.29141998	0.068844669	0.01401989	0.001071633	15.99807072	0.032127298	5.700963974	0.001071633	0.001071633	5.35816E-06	0.007494093	0.001481333	0.01059339	0.028428664	5.35816E-06	23.72114754	1.82477E-05	0.000322215	0.000370202
2119 Apr	68.99235535	0.069525726	0.014178652	0.001080479	16.16720581	0.03237661	5.760337353	0.001080479	0.001080479	5.40239E-06	0.00755416	0.001495974	0.010675889	0.028741553	5.40239E-06	23.97721481	1.84031E-05	0.000325553	0.000374708
2119 May	67.97764587	0.068105653	0.014109232	0.00104688	15.95971966	0.0311499	5.67727232	0.00104688	0.00104688	5.2344E-06	0.007306361	0.001469081	0.010298245	0.028494654	5.2344E-06	23.72664452	1.79179E-05	0.00032128	0.00037531
2119 Jun	67.18231964	0.067083232	0.013977123	0.001032413	15.76764107	0.030611984	5.606215954	0.001032413	0.001032413	5.16207E-06	0.007204968	0.001451081	0.010145328	0.028186072	5.16207E-06	23.46081924	1.77224E-05	0.000317817	0.000371968
2119 Jul	70.98558807	0.070793726	0.014766251	0.001092386	16.65292549	0.032367811	5.920944214	0.001092386	0.001092386	5.46193E-06	0.007623612	0.001533698	0.010733852	0.029771104	5.46193E-06	24.78090096	1.87604E-05	0.000335865	0.000392709
2119 Aug	72.85211945	0.072642587	0.015136433	0.001123088	17.09401512	0.033356793	6.078046799	0.001123088	0.001123088	5.61544E-06	0.007829483	0.001574875	0.01105022	0.030535281	5.61544E-06	25.42497063	1.92163E-05	0.000344575	0.000402225
2119 Sep	71.20628357	0.071271934	0.014756083	0.001099909	16.71593094	0.032799762	5.94563818	0.001099909	0.001099909	5.49954E-06	0.007668184	0.001539731	0.010846023	0.029811084	5.49954E-06	24.83678436	1.87535E-05	0.000336556	0.000391838
2119 Oct	69.5042572	0.070012458	0.014366188	0.001074564	16.32543564	0.03215323	5.810211182	0.001074564	0.001074564	5.37282E-06	0.007501964	0.001502791	0.010608898	0.029073093	5.37282E-06	24.23250961	1.83056E-05	0.000328219	0.000381542
2119 Nov	68.79285431	0.069476664	0.014204168	0.001063921	16.162117	0.031879209	5.753483772	0.001063921	0.001063921	5.31961E-06	0.007431899	0.001487345	0.010509028	0.028765412	5.31961E-06	23.98032761	1.81178E-05	0.000324741	0.000377266
2119 Dec	68.82511902	0.069511235	0.014210647	0.001064427	16.16972923	0.031894855	5.75620985	0.001064427	0.001064427	5.32214E-06	0.007435482	0.001488043	0.010514081	0.028778765	5.32214E-06	23.99150848	1.81264E-05	0.000324892	0.000377438

Appendix D.2-4: B5

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	6.6E-04	8.5E-02	9.0E-06	9.2E-01	1.3E+00	1.5E-02	1.5E-04	2.9E+00	9.5E-04	8.6E-03	9.8E-05	1.0E-04	4.4E-05	5.5E-02	1.8E-06	5.2E-05	3.4E-04	1.4E-03	0.0E+00
Operations (2020-2043): Mean	9.1E-04	1.2E-01	1.0E-05	1.3E+00	2.2E+00	3.6E-02	2.8E-04	4.4E+00	1.2E-03	1.1E-02	2.8E-04	1.6E-04	6.5E-05	9.0E-02	2.1E-06	6.8E-05	5.7E-04	1.7E-03	0.0E+00
Operations (2020-2043): Max	1.3E-03	2.3E-01	1.3E-05	2.1E+00	4.7E+00	1.1E-01	4.2E-04	7.6E+00	1.8E-03	1.4E-02	9.7E-04	2.4E-04	1.3E-04	1.8E-01	2.6E-06	9.1E-05	1.3E-03	2.3E-03	0.0E+00
Active Closure (2044-2050): Min	7.8E-04	1.0E-01	9.4E-06	1.1E+00	1.8E+00	2.4E-02	2.3E-04	3.6E+00	1.1E-03	9.4E-03	1.8E-04	1.3E-04	5.5E-05	7.2E-02	1.9E-06	6.0E-05	4.9E-04	1.6E-03	0.0E+00
Active Closure (2044-2050): Mean	8.9E-04	1.2E-01	1.1E-05	1.2E+00	2.0E+00	2.9E-02	2.7E-04	4.2E+00	1.2E-03	1.1E-02	2.2E-04	1.8E-04	6.2E-05	8.2E-02	2.2E-06	6.9E-05	5.5E-04	1.9E-03	0.0E+00
Active Closure (2044-2050): Max	1.0E-03	1.4E-01	1.3E-05	1.5E+00	2.4E+00	3.6E-02	3.7E-04	4.9E+00	1.5E-03	1.3E-02	2.8E-04	2.1E-04	7.2E-05	9.6E-02	2.7E-06	8.2E-05	6.4E-04	2.3E-03	0.0E+00
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	7.5E-04	1.0E-01	9.2E-06	1.1E+00	1.7E+00	2.5E-02	2.2E-04	3.5E+00	1.1E-03	9.4E-03	1.9E-04	1.4E-04	5.3E-05	7.0E-02	1.8E-06	5.9E-05	4.8E-04	1.5E-03	0.0E+00
Post Closure (2051-2119): Mean	1.1E-03	1.6E-01	1.1E-05	1.6E+00	3.0E+00	5.5E-02	3.0E-04	5.6E+00	1.5E-03	1.2E-02	4.5E-04	1.9E-04	8.6E-05	1.2E-01	2.3E-06	7.7E-05	7.8E-04	1.9E-03	0.0E+00
Post Closure (2051-2119): Max	1.4E-03	2.1E-01	1.4E-05	2.1E+00	3.9E+00	7.4E-02	3.9E-04	7.2E+00	1.9E-03	1.5E-02	6.1E-04	2.4E-04	1.1E-04	1.6E-01	2.8E-06	9.8E-05	1.0E-03	2.4E-03	0.0E+00
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0.001250186	0.231542498	1E-05	2.106853008	4.625988483	0.110102162	0.000197528	7.531436443	0.001800229	0.011500715	0.000956	0.00023	0.00013	0.179787561	2E-06	7.50072E-05	0.001300229	0.001824921	0
2020 Feb	0.001250368	0.231584147	1E-05	2.107198715	4.626957417	0.110128775	0.000197555	7.532844543	0.001800453	0.011501417	0.000956	0.00023	0.00013	0.179824367	2E-06	7.50142E-05	0.001300453	0.001824844	0
2020 Mar	0.00125062	0.231634885	1.00012E-05	2.107643127	4.628044605	0.110156551	0.000197594	7.53452301	0.001800795	0.011503207	0.000956118	0.000230028	0.000130016	0.17986615	2.00025E-06	7.50271E-05	0.001300733	0.001825028	0
2020 Apr	0.001252347	0.231957227	1.00146E-05	2.110565901	4.634525299	0.110311866	0.000197867	7.545023918	0.001803271	0.01151881	0.000957397	0.000230336	0.00013019	0.180117771	2.00292E-06	7.51296E-05	0.00130254	0.001827447	0
2020 May	0.00126795	0.234847799	1.01393E-05	2.136864901	4.692289352	0.111687034	0.000200332	7.639051437	0.001825736	0.011662252	0.000969315	0.000233204	0.000131811	0.182362676	2.02786E-06	7.60654E-05	0.001318772	0.001850191	0
2020 Jun	0.001141254	0.206503719	1.00281E-05	1.899386883	4.041298866	0.093990244	0.000181216	6.684176922	0.001666893	0.011100547	0.000810919	0.000230646	0.000115285	0.157587498	2.00562E-06	7.08931E-05	0.001165489	0.001877621	0
2020 Jul	0.001118219	0.199535087	1.02131E-05	1.844207406	3.863762617	0.088658385	0.000178835	6.449522495	0.001637693	0.011121161	0.000763132	0.000232422	0.000111008	0.150918633	2.04261E-06	7.03593E-05	0.001122082	0.00191895	0
2020 Aug	0.001146372	0.203363761	1.05177E-05	1.883523941	3.933327675	0.089825779	0.000186633	6.588887691	0.001674127	0.011412742	0.000772852	0.00023583	0.000113141	0.153731421	2.10353E-06	7.21836E-05	0.001136009	0.001962067	0
2020 Sep	0.001121404	0.194027185	1.03786E-05	1.816356421	3.755085945	0.083841339	0.00020786	6.371982098	0.001614573	0.011255288	0.000717305	0.000219798	0.000107594	0.147054344	2.07572E-06	7.19894E-05	0.001063114	0.001888033	0
2020 Oct	0.00109635	0.183543637	1.02133E-05	1.738106847	3.55225563	0.076835752	0.000234957	6.124985218	0.001544661	0.011128213	0.000652414	0.000201042	0.000100816	0.139359936	2.04267E-06	7.22462E-05	0.000980372	0.00180116	0
2020 Nov	0.001089088	0.180461019	1.01659E-05	1.715156913	3.492614985	0.074768461	0.000243038	6.052645683	0.001524156	0.011092273	0.000633256	0.000195506	9.88198E-05	0.137098193	2.03319E-06	7.23341E-05	0.000955967	0.00177566	0
2020 Dec	0.001088932	0.180382013	1.01651E-05	1.714585662	3.491086721	0.074713394	0.000243278	6.050874233	0.001523645	0.011091759	0.000632743	0.000195359	9.87678E-05	0.137040436	2.03301E-06	7.23398E-05	0.00095532	0.001775019	0
2021 Jan	0.001088989	0.180387557	1.01651E-05	1.714647055	3.491251469	0.074715689	0.000243326	6.05119276	0.00152367	0.011092089	0.000632692	0.00019534	9.87631E-05	0.137046814	2.03301E-06	7.23442E-05	0.000955318	0.001774923	0
2021 Feb	0.001089181	0.180426419	1.0166E-05	1.71498704	3.492082119	0.074736923	0.000243355	6.052475452	0.001523932	0.011093469	0.000632788	0.000195362	9.8776E-05	0.137078732	2.0332E-06	7.23541E-05	0.000955533	0.001775069	0
2021 Mar	0.001089539	0.180489585	1.01689E-05	1.715571523	3.493347168	0.074765883	0.000243428	6.054583073	0.00152443	0.011096803	0.000632987	0.00019542	9.8806E-05	0.13712804	2.03378E-06	7.23764E-05	0.000955873	0.001775562	0
2021 Apr	0.001090164	0.180595323	1.01745E-05	1.716567397	3.495418072	0.07481128	0.000243563	6.058123589	0.001525302	0.011102989	0.000633346	0.000195528	9.88612E-05	0.137209117	2.0349E-06	7.2417E-05	0.000956436	0.001776528	0
2021 May	0.001099974	0.182290673	1.02612E-05	1.732411385	3.528650522	0.075554483	0.00024552	6.114320755	0.001539172	0.011199332	0.000639698	0.000197303	9.97978E-05	0.138508454	2.05224E-06	7.30455E-05	0.000965626	0.001791893	0
2021 Jun	0.00103141	0.169407412	1.01682E-05	1.618658304	3.224457502	0.068021223	0.000223305	5.638502121	0.001466339	0.010856273	0.000573261	0.000201685	9.25088E-05	0.126864195	2.03364E-06	6.96336E-05	0.000907633	0.001825639	0
2021 Jul	0.001026296	0.166715369	1.03742E-05	1.597723722	3.141123533	0.065358296	0.000220848	5.53908062	0.001460954	0.010948727	0.00054988	0.000204584	9.07351E-05	0.123768985	2.07484E-06	6.96391E-05	0.000887505	0.001866126	0
2021 Aug	0.001038706	0.167145699	1.05533E-05	1.607364774	3.142684698	0.06476631	0.000227479	5.576646328	0.001471531	0.011081144	0.000544446	0.000203172	9.09959E-05	0.12397363	2.11065E-06	7.04307E-05	0.000877145	0.001877144	0
2021 Sep	0.001016814	0.159308821	1.0369E-05	1.551351905	3.001404524	0.060026646	0.000246778	5.404045105	0.001418367	0.010900627	0.000500257	0.000187609	8.64518E-05	0.118682347	2.07379E-06	7.01342E-05	0.000815797	0.001797442	0
2021 Oct	0.001009008	0.154733881	1.02841E-05	1.518573999	2.917900801	0.056881122	0.000263656	5.310364246	0.001386582	0.010865589	0.000470742	0.000177247	8.33651E-05	0.115513898	2.05682E-06	7.06224E-05	0.000776771	0.001748261	0
2021 Nov	0.001010638	0.154834136	1.03005E-05	1.52009511	2.919914246	0.056853089	0.00026492	5.316611767	0.001387888	0.010885317	0.000470356	0.000177134	8.33916E-05	0.115599677	2.0601E-06	7.07823E-05	0.000776563	0.001749505	0
2021 Dec	0.001011018	0.154878661	1.03043E-05	1.520581365	2.920765162	0.056863524	0.000265096	5.318396568	0.001388325	0.010889604	0.000470428	0.000177165	8.34131E-05	0.11563392	2.06087E-06	7.08131E-05	0.000776721	0.001750018	0
2022 Jan	0.001011094	0.15489009	1.03047E-05	1.520690799	2.921029806	0.056868955	0.000265132	5.318850994	0.0013884	0.01089017	0.000470431	0.00017716	8.34147E-05	0.115644142	2.06093E-06	7.08182E-05	0.000776766	0.001750015	0
2022 Feb	0.00101117	0.154907808	1.03048E-05	1.52083838	2.921425104	0.056879848	0.000265138	5.31942606	0.001388504	0.010890561	0.000470472	0.000177167	8.34192E-05	0.1156592	2.06096E-06	7.08214E-05	0.000776868	0.001750031	0
2022 Mar	0.001011416	0.154948756	1.0307E-05	1.521226048	2.922230721	0.056897283	0.000265195	5.320813656	0.001388842	0.010892974	0.000470589	0.000177206	8.34385E-05	0.115690768	2.06139E-06	7.08374E-05	0.00077708	0.001750393	0
2022 Apr	0.001016044	0.155659616	1.03539E-05	1.528196812	2.935656309	0.057159685	0.000266404	5.34521389	0.001395197	0.010942683	0.000472744	0.000178015	8.38197E-05	0.116222098	2.07079E-06	7.11608E-05	0.000780649	0.001758366	0
2022 May	0.001026608	0.157278746	1.04615E-05	1.544089437	2.966199875	0.057754811	0.000269172	5.400807858	0.001409702	0.011056397	0.000477661	0.000179865	8.46911E-05	0.117431238	2.0923E-06	7.19004E-05	0.000788771	0.001776634	0
2022 Jun	0.000960868	0.145951957	1.03384E-05	1.44107008	2.696948051	0.051438391	0.000243869	4.96398735	0.001344214	0.010705565	0.000422354	0.000185921	7.83536E-05	0.107078373	2.06768E-06	6.84188E-05	0.000743752	0.001812267	0
2022 Jul	0.000849238	0.12549974	9.851E-06	1.248712778	2.228485823	0.040323809	0.000204625	4.215427876	0.00120406	0.009871071	0.000328215	0.000180318	6.66806E-05	0.088963501	1.9702E-06	6.1256E-05	0.000633483	0.001761799	0
2022 Aug	0.000870521	0.127287209	1.01141E-05	1.271875858	2.256598234	0.040262587	0.000213647	4.301599979	0.001226512	0.010089886	0.000327246	0.000180028	6.77164E-05	0.090224996	2.02282E-06	6.26165E-05	0.000629783	0.001785187	0
2022 Sep	0.000867409	0.124110796	1.00447E-05	1.255209208	2.211216688	0.038252041	0.000230971	4.267265797	0.001205894	0.010045961	0.00030745	0.000169731	6.59953E-05	0.088617742	2.00893E-06	6.31022E-05	0.000598398	0.001735075	0
2022 Oct	0.00086665	0.121817455	9.96873E-06	1.240236998	2.177016973	0.036652438	0.00024539	4.237841129	0.001187585	0.010038746	0.000291963	0.000161617	6.4318E-05	0.087314129	1.99375E-06	6.37339E-05	0.000575593	0.001693426	0
2022 Nov	0.000868733	0.122049779	9.99083E-06	1.242833614	2.181356192	0.036697242	0.000246383	4.247313976	0.001189962	0.010062908	0.000292244	0.000161785	6.44278E-05	0.087490037	1.99817E-06	6.3906E-05	0.00057636	0.001696386	0
2022 Dec	0.000869048	0.12208309	9.99412E-06	1.243215084	2.181985855	0.036702659	0.000246546	4.248727322	0.001190307	0.010066572	0.000292274	0.000161804	6.4443E-05	0.087515622	1.99882E-06	6.39327E-05	0.000576457	0.001696799	0
2023 Jan	0.000869129	0.122096539	9.99433E-06	1.243339181	2.182303667	0.036709793	0.000246582	4.249246597	0.001190389	0.010067104	0.000292291	0.000161799	6.44457E-05	0.087527826	1.99887E-06	6.39378E-05	0.000576516	0.001696779	0
2023 Feb	0.000869215	0.122116357	9.99449E-06	1.243504286	2.182747364	0.03672206	0.000246589	4.249889851	0.001190505	0.010067535	0.000292342	0.000161806	6.44513E-05	0.087544724	1.9989E-06	6.39413E-05	0.000576631	0.001696795	0
2023 Mar	0.000869305	0.122133382	9.99508E-06	1.243657589	2.1831007	0.036730617	0.000246606	4.25045681	0.001190629	0.010068282	0.000292384	0.000161819	6.44576E-05	0.087558389	1.99902E-06	6.39464E-05	0.000576723	0.00169689	0
2023 Apr	0.000871542	0.122450091	1.00205E-05	1.246870995	2.188789368	0.036827825	0.000247235	4.261464119	0.001193693	0.010094014	0.000293143	0.000162232	6.46232E-05	0.087786272	2.00411E-06	6.41101E-05	0.000578225	0.00170121	0
2023 May	0.000885508	0.12521255	1.01185E-05	1.271408558	2.24514389	0.038238	0.000248948	4.350063324	0.00121408	0.010213118	0.000305505	0.000164793	6.61926E-05	0.089964196	2.0237E-06	6.48947E-05	0.000594231	0.001719658	0
2023 Jun	0.000878743	0.12967433	9.93475E-06	1.294878602	2.340068102	0.042558808	0.000223995	4.412974834	0.001232413	0.010056132	0.000346019	0.00017579	6.92396E-05	0.093367301	1.98695E-06	6.33343E-05	0.00064728	0.001743685	0
2023 Jul	0.000856968	0.125273347	9.95662E-06	1.25404489	2.225878477	0.039665733	0.000213704	4.240305424	0.001208597	0.009961795	0.000321374	0.000177878	6.66215E-05	0.088993505	1.99132E-06	6.20466E-05	0.0006238	0.001762497	0
2023 Aug	0.000877525	0.127219006	1.0204E-05	1.27604115	2.254719019	0.039727416	0.000220624	4.321323395	0.001230387	0.010174214	0.000321872	0.000178308	6.76232E-05	0.09023571	2.04079E-06	6.32991E-05	0.000622523	0.001787191	0
2023 Sep	0.000881243	0.12622948	1.02548E-05	1.277448058	2.245024443	0.038896143	0.000231718	4.336221695	0.001229284	0.01020743	0.000312967	0.000173761	6.7369E-05	0.090033166	2.05095E-06	6.38911E-05	0.000608078	0.001773381	0
2023 Oct	0.000882979	0.12523143	1.02353E-05	1.272008181	2.231137991	0.038081005	0.000240576	4.330124378	0.00122177	0.010228394	0.000304911	0.000169534	6.65712E-05	0.089513093	2.04706E-06	6.4414E-05	0.000596599	0.001753737	0
2023 Nov	0.000885639	0.125431582	1.02605E-05	1.274709821	2.235258579	0.038069054	0.000242495	4.341089249	0.001224039	0.010259327	0.000304597	0.000169396	6.66396E-05	0.089683682	2.0521E-06	6.46644E-05	0.000596596	0.001755734	0
2023 Dec	0.000885927	0.12545839	1.02634E-05	1.275035024	2.235780001	0.038071454	0.000242667	4.342335701	0.001224326	0.010262669	0.000304599	0.0001694	6.66508E-05	0.089705013	2.05268E-06	6.46898E-05	0.000596648	0.001756046	0
2024 Jan	0.000886002	0.125471175	1.02634E-05	1.275150418	2.236103296	0.038078912	0.000242706	4.342848778	0.00122439	0.01026305	0.000304611	0.000169389	6.66521E-05	0.089717314	2.05268E-06	6.46945E-05	0.000596701	0.00175597	0
2024 Feb	0.000886087	0.125492156	1.02634E-05	1.275321484	2.236582756	0.038092528	0.000242711	4.343526363	0.001224506	0.010263386	0.000304664	0.000169394	6.66575E-05	0.089735486	2.05268E-06	6.46975E-05	0.000596824	0.001755959	0
2024 Mar	0.000886781	0.125594914	1.0271E-05	1.276345134	2.238467216	0.038127318	0.000242892	4.34705925	0.001225464	0.010271108	0.000304915	0.000169521	6.67092E-05	0.089810558	2.05419E-06	6.47467E-05	0.000597325	0.001757246	0
2024 Apr	0.000888107	0.125784934	1.02861E-05	1.278265357	2.24187994	0.038186811	0.000243251	4.353623867	0.001227296	0.0102863	0.000305377	0.000169772	6.68087E-05	0.089947224	2.05721E-06	6.48427E-05	0.000598234	0.001759829	0
2024 May	0.000904832	0.129708603	1.03519E-05	1.311112881	2.32605958	0.040514242	0.000243696	4.475651741	0.00125248	0.010394976	0.000326147	0.000172713	6.90932E-05	0.093158685	2.07038E-06	6.55993E-05	0.000622576	0.00177435	0
2024 Jun	0.000913578	0.136554062	1.00837E-05	1.35599637	2.490213394	0.046417002	0.000228971	4.650854588	0.001277534	0.01025121	0.000380677	0.000177105	7.3428E-05	0.099189132	2.01674E-06	6.47407E-05	0.000679182	0.001752665	0
2024 Jul	0.000954713	0.142325342	1.05887E-05	1.413845778	2.587576628	0.04801777	0.000238456	4.844007015	0.001335038	0.010738819	0.000393689	0.000185773	7.64465E-05	0.103106916	2.11774E-06	6.76691E-05	0.000705981	0.001840762	0
2024 Aug	0.00098795	0.142769203	1.11008E-05	1.455603361	2.613145351	0.046592336	0.000272195	5.003268719	0.001371444	0.011090502	0.000376079	0.000178805	7.81167E-05	0.104839079	2.22016E-06	7.05905E-05	0.00067743	0.001863786	0
2024 Sep	0.000939362	0.119991049	1.05206E-05	1.31232512	2.247428894	0.032920863	0.000357574	4.617269993	0.001218082	0.010602843	0.000244909	0.000120519	6.55118E-05	0.091442421	2.10412E-06	7.13824E-05	0.000480246	0.001567254	0
2024 Oct	0.000950172	0.116427794	1.0476E-05	1.288880944	2.189734459	0.029461989	0.000393013	4.585692406	0.001188881	0.010774458	0.000211306	0.000105606	6.18419E-05	0.089148067	2.0952E-06	7.39966E-05	0.000438686	0.001502012	0
2024 Nov	0.000954401	0.115224116	1.04649E-05	1.281192899	2.170379877	0.028256591	0.000405671	4.576598167	0.001179121	0.010839681	0.000199563	0.000100399	6.05765E-05	0.088379309	2.09298E-06	7.49502E-05	0.00042424	0.001479695	0
2024 Dec	0.000955484	0.115323536	1.04757E-05	1.282402396	2.172313213	0.028264333	0.00040633	4.581254482	0.001180185	0.010852295	0.000199559	0.000100409	6.06172E-05	0.088458389	2.09515E-06	7.50467E-05	0.000424423	0.001480846	0
2025 Jan	0.000955673	0.115362808	1.04758E-05	1.282723427	2.173214197	0.02828775	0.000406377	4.58258009	0.001180393	0.010853315	0.000199631	0.000100409	6.0624E-05	0.088492297	2.09517E-06	7.50564E-05	0.000424635	0.00148079	0
2025 Feb	0.00095608	0.115444459	1.0478E-05	1.283439994	2.174951315	0.028331917	0.000406439	4.58527422	0.00118095	0.0108563	0.000199837	0.000100459	6.06519E-05	0.088559143	2.09559E-06	7.50778E-05	0.000425087	0.00148112	0
2025 Mar	0.000956587	0.115523428	1.04822E-05	1.284213781	2.176547766	0.028364463	0.000406594	4.588110924	0.001181606	0.010861166	0.000200009	0.000100515	6.06851E-05	0.088622019	2.09645E-06	7.51118E-05	0.00042546	0.001481744	0
2025 Apr	0.000958649	0.115782492	1.05041E-05	1.287034273	2.181490421	0.028435569	0.000407436	4.598229408	0.00118417	0.010884063	0.000200478	0.000100734	6.08165E-05	0.088822067	2.10082E-06	7.52703E-05	0.000426461	0.001484841	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.000992748	0.119905539	1.08774E-05	1.332838893	2.259198904	0.029451499	0.000421912	4.761890888	0.0012263	0.011271002	0.000207632	0.000104319	6.29808E-05	0.091985524	2.17549E-06	7.79463E-05	0.00044167	0.001537624	0
2025 Jun	0.000904359	0.111468114	1.06368E-05	1.228506327	2.016549349	0.026266987	0.000351413	4.259744644	0.001172116	0.010732342	0.00018448	0.000130504	5.84224E-05	0.082288936	2.12736E-06	7.16203E-05	0.000451871	0.001649452	0
2025 Jul	0.000819045	0.102668591	1.03047E-05	1.118399262	1.770426393	0.022822812	0.000283726	3.763588428	0.001107017	0.010114877	0.000160597	0.000149164	5.35083E-05	0.072428443	2.06095E-06	6.48928E-05	0.000445009	0.001712548	0
2025 Aug	0.000867948	0.108189858	1.09024E-05	1.179132938	1.861315846	0.023714429	0.000300151	3.976122856	0.001166801	0.010667439	0.000167156	0.0001544	5.64058E-05	0.076209344	2.18047E-06	6.83137E-05	0.000458463	0.001793736	0
2025 Sep	0.000872849	0.107808441	1.09186E-05	1.182172298	1.86346066	0.023310974	0.000309815	3.999946117	0.001166003	0.01069905	0.000162499	0.000150244	5.62816E-05	0.07638187	2.18371E-06	6.89042E-05	0.000449117	0.001776921	0
2025 Oct	0.000863693	0.105250753	1.06837E-05	1.159133792	1.829101563	0.022211708	0.000318226	3.946546078	0.0011375	0.010554782	0.000152454	0.000141078	5.44885E-05	0.074963406	2.13675E-06	6.86279E-05	0.000428643	0.001712344	0
2025 Nov	0.000861315	0.104391493	1.06063E-05	1.151696086	1.818153143	0.021809446	0.000322003	3.93111062	0.001127873	0.010512928	0.000148705	0.000137661	5.38585E-05	0.074510619	2.12126E-06	6.8617E-05	0.000421173	0.001689297	0
2025 Dec	0.000861876	0.104450315	1.06125E-05	1.152378082	1.819242358	0.021818141	0.000322289	3.933598757	0.001128503	0.010519573	0.000148748	0.000137702	5.38858E-05	0.074555203	2.12249E-06	6.86646E-05	0.000421345	0.001690101	0
2026 Jan	0.00086203	0.104476638	1.06131E-05	1.152618408	1.819826365	0.021831429	0.000322341	3.934553862	0.001128678	0.010520729	0.000148802	0.000137705	5.38937E-05	0.074577674	2.12263E-06	6.86742E-05	0.000421471	0.001690151	0
2026 Feb	0.000862167	0.104507685	1.06135E-05	1.152878404	1.820508361	0.02185007	0.000322352	3.93555212	0.001128868	0.010521507	0.000148886	0.00013772	5.39034E-05	0.074603677	2.12271E-06	6.86801E-05	0.000421651	0.001690208	0
2026 Mar	0.000863022	0.104619309	1.06234E-05	1.154064775	1.822529912	0.021880034	0.00032265	3.939663172	0.001129994	0.010531464	0.000149067	0.000137853	5.39574E-05	0.074685454	2.12467E-06	6.87455E-05	0.000422131	0.001691771	0
2026 Apr	0.000866668	0.105065808	1.06678E-05	1.158964634	1.830352306	0.021977201	0.000324001	3.956423998	0.001134772	0.01057568	0.000149716	0.000138433	5.41857E-05	0.075005405	2.13357E-06	6.90344E-05	0.00042395	0.001698853	0
2026 May	0.000883959	0.107589975	1.08518E-05	1.184414387	1.877498865	0.022835338	0.000329021	4.045122623	0.001158283	0.010766553	0.000156657	0.000141356	5.55435E-05	0.076885052	2.17036E-06	7.02801E-05	0.000436093	0.001729388	0
2026 Jun	0.000850146	0.112063959	1.02916E-05	1.187770605	1.972771525	0.029053591	0.000275695	4.025562286	0.001156881	0.010234757	0.00021769	0.000156288	5.88354E-05	0.079978317	2.05831E-06	6.56554E-05	0.000508861	0.001727727	0
2026 Jul	0.000877106	0.115480475	1.07304E-05	1.222431421	2.015179634	0.029435901	0.000279073	4.126885414	0.001197736	0.010615111	0.000220561	0.000164892	6.05032E-05	0.081754752	2.14608E-06	6.76363E-05	0.000524382	0.001811643	0
2026 Aug	0.000912484	0.118895836	1.11455E-05	1.258910537	2.063680649	0.029564492	0.000289359	4.262845039	0.001234063	0.010968277	0.000222165	0.000165381	6.21924E-05	0.083823219	2.2291E-06	6.96298E-05	0.000521298	0.001850914	0
2026 Sep	0.000930274	0.120184332	1.13229E-05	1.27868104	2.092736244	0.029510494	0.000302831	4.342088699	0.001250385	0.01116649	0.00022009	0.000164045	6.28224E-05	0.085070416	2.26457E-06	7.12631E-05	0.000520048	0.00186319	0
2026 Oct	0.000902168	0.113621347	1.08035E-05	1.220089674	1.994300842	0.02672446	0.000316186	4.184015274	0.00118401	0.010795955	0.000194827	0.00014572	5.86017E-05	0.081105001	2.1607E-06	7.00753E-05	0.00047351	0.001730981	0
2026 Nov	0.0009084	0.114349045	1.08747E-05	1.22812891	2.007390738	0.026872108	0.00031881	4.212394238	0.001191631	0.010869888	0.00019581	0.000146466	5.89613E-05	0.081638053	2.17493E-06	7.05783E-05	0.000476179	0.001741457	0
2026 Dec	0.000909209	0.114437111	1.08835E-05	1.229128718	2.009012938	0.026887156	0.000319199	4.216018677	0.001192558	0.010879409	0.000195897	0.000146534	5.90029E-05	0.081704199	2.1767E-06	7.06456E-05	0.000476459	0.001742652	0
2027 Jan	0.000909405	0.1144704	1.08844E-05	1.229434967	2.009755373	0.02690392	0.000319269	4.217237473	0.001192781	0.010880888	0.000195961	0.000146537	5.90125E-05	0.081732795	2.17688E-06	7.06579E-05	0.000476616	0.001742712	0
2027 Feb	0.000909572	0.114509284	1.08848E-05	1.229758263	2.010617495	0.026927777	0.00031928	4.218485832	0.001193013	0.010881769	0.000196066	0.000146554	5.90242E-05	0.081765614	2.17695E-06	7.06648E-05	0.000476844	0.001742765	0
2027 Mar	0.000910897	0.114685945	1.08997E-05	1.231603861	2.013817072	0.026977355	0.000319719	4.224893093	0.001194759	0.010897021	0.00019639	0.000146762	5.91107E-05	0.081894509	2.17995E-06	7.07645E-05	0.000477616	0.001745159	0
2027 Apr	0.000920726	0.115929104	1.10168E-05	1.244924664	2.035702467	0.027274411	0.000323155	4.27063179	0.001207655	0.011014258	0.000198531	0.000148343	5.97488E-05	0.082783818	2.20337E-06	7.15262E-05	0.000482814	0.001763907	0
2027 May	0.000956424	0.120960638	1.1408E-05	1.29620719	2.128116369	0.028861146	0.000333937	4.448761463	0.001255637	0.011416245	0.000211191	0.0001543	6.24183E-05	0.086481534	2.2816E-06	7.41391E-05	0.0005062	0.001828155	0
2027 Jun	0.000796492	0.104509495	1.03585E-05	1.107313991	1.752046943	0.024420328	0.000236921	3.643448353	0.001119725	0.010057337	0.000179092	0.000173607	5.41863E-05	0.071362473	2.07171E-06	6.24935E-05	0.000494727	0.001830664	0
2027 Jul	0.000807376	0.106369458	1.08739E-05	1.124458551	1.739115119	0.023880102	0.000225054	3.640095234	0.001158184	0.01041756	0.000174288	0.000191543	5.50421E-05	0.070995204	2.17478E-06	6.35611E-05	0.00051645	0.0019709	0
2027 Aug	0.00086904	0.113470651	1.16735E-05	1.207186699	1.861282825	0.025168292	0.000247852	3.921661139	0.001239881	0.011148755	0.000182706	0.000200148	5.90697E-05	0.076132439	2.33471E-06	6.82004E-05	0.000539044	0.002089408	0
2027 Sep	0.000867474	0.110433549	1.14657E-05	1.19292748	1.837594628	0.023694634	0.000271208	3.92057991	0.001212487	0.011020206	0.000167557	0.000183624	5.75628E-05	0.075346231	2.29314E-06	6.86145E-05	0.000502658	0.001993601	0
2027 Oct	0.000862333	0.107203215	1.11496E-05	1.167247653	1.804417253	0.022143615	0.000291553	3.884128571	0.001174443	0.010868307	0.000152715	0.000167293	5.51555E-05	0.073967792	2.22993E-06	6.8907E-05	0.00046939	0.001887685	0
2027 Nov	0.000869195	0.107315898	1.1167E-05	1.171186805	1.812369823	0.021914378	0.000300182	3.91123724	0.001174918	0.010929902	0.000149949	0.000164242	5.50006E-05	0.074288525	2.23341E-06	6.96562E-05	0.000464419	0.001875659	0
2027 Dec	0.000870126	0.10739167	1.11752E-05	1.17215836	1.813972235	0.021916388	0.000300838	3.91522646	0.001175708	0.010940294	0.000149899	0.000164186	5.5028E-05	0.074353933	2.23505E-06	6.97415E-05	0.000464456	0.001876237	0
2028 Jan	0.00087037	0.107441463	1.11747E-05	1.172575951	1.815214396	0.021948548	0.000300928	3.917066336	0.001175936	0.010941115	0.000150017	0.000164154	5.50382E-05	0.074400805	2.23493E-06	6.97532E-05	0.000464694	0.001875933	0
2028 Feb	0.000870846	0.107539475	1.11769E-05	1.173427701	1.817318559	0.022002973	0.000300995	3.920287848	0.001176588	0.010944426	0.000150268	0.000164209	5.5071E-05	0.074481606	2.23538E-06	6.97772E-05	0.000465241	0.001876271	0
2028 Mar	0.000871398	0.107628867	1.11819E-05	1.174285293	1.819071651	0.022039859	0.000301132	3.923356056	0.001177338	0.010949918	0.000150455	0.000164294	5.51073E-05	0.074550502	2.23637E-06	6.98138E-05	0.000465695	0.001877089	0
2028 Apr	0.000877597	0.108406514	1.12602E-05	1.182703733	1.832350612	0.022209518	0.000303245	3.951596498	0.001185717	0.011027015	0.000151577	0.000165453	5.55002E-05	0.075093061	2.25205E-06	7.03062E-05	0.000469097	0.001890235	0
2028 May	0.000905153	0.1118185	1.16131E-05	1.219883561	1.890105724	0.022915393	0.000312744	4.075884819	0.001222955	0.011372754	0.000156393	0.000170644	5.72458E-05	0.077458896	2.32262E-06	7.2511E-05	0.00048389	0.00194947	0
2028 Jun	0.000756621	0.096940622	1.05178E-05	1.044400692	1.556949496	0.019410569	0.000221871	3.344342709	0.001091019	0.010019694	0.000133216	0.000184826	4.9852E-05	0.063971333	2.10357E-06	6.12242E-05	0.000471379	0.001918239	0
2028 Jul	0.000761624	0.098521583	1.08855E-05	1.055462956	1.546486259	0.019276135	0.000207161	3.329327822	0.001119745	0.010254833	0.00013281	0.000200109	5.0633E-05	0.063626304	2.17709E-06	6.15693E-05	0.000491848	0.002029026	0
2028 Aug	0.000861341	0.110868573	1.22759E-05	1.191607952	1.744553566	0.021558555	0.000237459	3.768888235	0.001261484	0.011548203	0.000148127	0.00022228	5.71722E-05	0.07184834	2.45519E-06	6.94454E-05	0.000546094	0.002271408	0
2028 Sep	0.000881809	0.110802159	1.22546E-05	1.202378511	1.771904111	0.020861497	0.00026803	3.86105299	0.001257033	0.011676807	0.000139501	0.000208684	5.66415E-05	0.072974183	2.45093E-06	7.16266E-05	0.000523836	0.002206341	0
2028 Oct	0.000849232	0.099313825	1.08876E-05	1.104460955	1.665255904	0.016704086	0.000326632	3.712385416	0.001110542	0.010853875	0.000100868	0.000148842	4.88097E-05	0.068446964	2.17752E-06	7.05826E-05	0.000409335	0.00179104	0
2028 Nov	0.000861213	0.099688686	1.09143E-05	1.112618089	1.683032632	0.016469764	0.000340746	3.763921022	0.001112325	0.01095266	9.76451E-05	0.000143708	4.87019E-05	0.069158435	2.18287E-06	7.18006E-05	0.000401906	0.001769987	0
2028 Dec	0.000862295	0.099796586	1.09259E-05	1.113890529	1.685050607	0.016482504	0.000341335	3.768636703	0.001113487	0.010965503	9.76892E-05	0.000143766	4.87496E-05	0.069241039	2.18518E-06	7.18946E-05	0.000402188	0.001771427	0
2029 Jan	0.000862515	0.099844523	1.09255E-05	1.114289522	1.686220765	0.016513828	0.000341396	3.770346642	0.001113719	0.010966201	9.78184E-05	0.000143746	4.87615E-05	0.069285296	2.1851E-06	7.1904E-05	0.000402429	0.001771198	0
2029 Feb	0.000862764	0.099911667	1.09253E-05	1.114822865	1.687753081	0.016559003	0.000341385	3.772450924	0.001114075	0.010966929	9.8024E-05	0.000143766	4.8781E-05	0.069343232	2.18505E-06	7.19107E-05	0.000402836	0.001771146	0
2029 Mar	0.000863386	0.100004591	1.09313E-05	1.115741968	1.689540029	0.016592976	0.000341571	3.775724173	0.001114897	0.010973504	9.81915E-05	0.000143859	4.88191E-05	0.0694139	2.18626E-06	7.19549E-05	0.000403285	0.001772114	0
2029 Apr	0.000866352	0.10036014	1.09678E-05	1.119641662	1.695670962	0.016662575	0.000342711	3.789014101	0.001118738	0.01101045	9.85841E-05	0.000144347	4.89885E-05	0.069664225	2.19356E-06	7.21978E-05	0.000404761	0.001778028	0
2029 May	0.000887654	0.103121527	1.12177E-05	1.148834586	1.74475348	0.017364008	0.000350134	3.889178753	0.001146871	0.011266262	0.000103746	0.000147966	5.03918E-05	0.071645878	2.24353E-06	7.3874E-05	0.000417137	0.001819213	0
2029 Jun	0.000830153	0.101788223	1.09537E-05	1.109949112	1.680815101	0.019116653	0.000286515	3.656421661	0.00113277	0.010776719	0.000124514	0.000171164	5.07463E-05	0.06889233	2.19075E-06	6.84166E-05	0.000461142	0.001899965	0
2029 Jul	0.000684501	0.087118417	9.80789E-06	0.930222034	1.3428092	0.015722875	0.000186279	2.931862354	0.000993896	0.009253291	0.000106683	0.000177782	4.38656E-05	0.055267569	1.96158E-06	5.53732E-05	0.000425356	0.00181745	0
2029 Aug	0.000737123	0.092632562	1.04427E-05	0.992019296	1.431085467	0.016364494	0.000204026	3.153769732	0.001054402	0.009815505	0.000111546	0.000180985	4.68106E-05	0.058998164	2.08853E-06	5.87827E-05	0.00043114	0.001891409	0
2029 Sep	0.000762995	0.094407968	1.0651E-05	1.020508528	1.477944493	0.016380429	0.000225965	3.276420593	0.001074942	0.010073487	0.00010925	0.000176807	4.7707E-05	0.060985081	2.13019E-06	6.11398E-05	0.000426875	0.001893263	0
2029 Oct	0.000772882	0.093161464	1.04579E-05	1.0169065	1.488630891	0.015573944	0.000253968	3.323970556	0.001054657	0.010067895	0.000100027	0.000160948	4.6427E-05	0.061365411	2.09158E-06	6.25968E-05	0.000401475	0.001800654	0
2029 Nov	0.000780289	0.093330622	1.04611E-05	1.021722436	1.500418067	0.015424692	0.00026375	3.357321501	0.001054739	0.010124502	9.78678E-05	0.000157172	4.63158E-05	0.061833445	2.09223E-06	6.33916E-05	0.000396259	0.001783586	0
2029 Dec	0.000780997	0.093397975	1.04683E-05	1.022531271	1.501719475	0.015431548	0.000264165	3.360401869	0.001055456	0.01013273	9.7882E-05	0.000157187	4.63445E-05	0.061886653	2.09366E-06	6.34537E-05	0.000396402	0.001784384	0
2030 Jan	0.000781227	0.093442366	1.04683E-05	1.022919774	1.502800226	0.015458554	0.000264251	3.362056017	0.001055691	0.010133817	9.79922E-05	0.000157168	4.63562E-05	0.061927784	2.09366E-06	6.3466E-05	0.000396614	0.001784218	0
2030 Feb	0.000781725	0.093532689	1.04719E-05	1.023743153	1.504649878	0.015502159	0.000264349	3.365079403	0.00105637	0.010138124	9.81994E-05	0.000157237	4.63892E-05	0.061999571	2.09437E-06	6.34954E-05	0.000397095	0.001784791	0
2030 Mar	0.000782698	0.093665898	1.04832E-05	1.025111198	1.50700891	0.015539846	0.00026464	3.369748592	0.001057689	0.010149574	9.84005E-05	0.000157416	4.64489E-05	0.062094368	2.09664E-06	6.35685E-05	0.000397714	0.001786707	0
2030 Apr	0.000786283	0.094104491	1.05302E-05	1.029859662	1.514189363	0.01562155	0.00026583	3.385457039	0.001062535	0.010195388	9.88963E-05	0.000158128	4.66627E-05	0.062388849	2.10605E-06	6.38562E-05	0.000399607	0.001794714	0
2030 May	0.000813231	0.097351797	1.08892E-05	1.065281749	1.566689134	0.01618012	0.000274881	3.502072811	0.001098977	0.010543501	0.000102485	0.000163539	4.82751E-05	0.064549029	2.17785E-06	6.60375E-05	0.00041348	0.001855928	0
2030 Jun	0.000724782	0.092165679	1.02308E-05	0.988112152	1.445551872	0.017211773	0.000205888	3.13946414	0.001045301	0.009712929	0.000116752	0.000182098	4.66281E-05	0.059440292	2.04616E-06	5.87525E-05	0.000447415	0.001879194	0
2030 Jul	0.000691086	0.088595614	9.97864E-06	0.942346215	1.356076121	0.016144356	0.000179749	2.957215071	0.001010992	0.009349315	0.000111204	0.00018321	4.48308E-05	0.055837929	1.99573E-06	5.54362E-05	0.000434109	0.00185815	0
2030 Aug	0.000746238	0.094584838	1.06498E-05	1.006314754	1.448034644	0.016872043	0.000196101	3.183983564	0.001074991	0.009950766	0.00011717	0.000187871	4.7865E-05	0.059679735	2.12997E-06	5.89811E-05	0.000442995	0.001942117	0
2030 Sep	0.000790678	0.099496916	1.1214E-05	1.063846827	1.532995343	0.017612919	0.000215031	3.381064415	0.001131707	0.010501185	0.000121116	0.000194005	5.04167E-05	0.063223854	2.2428E-06	6.26299E-05	0.000459865	0.002027453	0
2030 Oct	0.00079541	0.096614778	1.08216E-05	1.047237277	1.530859232	0.016290763	0.000251942	3.410008192	0.001091057	0.010376561	0.000106756	0.000169816	4.80884E-05	0.063060641	2.16431E-06	6.39806E-05	0.000419539	0.001876558	0
2030 Nov	0.000799661	0.095620938	1.06798E-05	1.042856574	1.534129262	0.01575789	0.000268759	3.432015181	0.001076294	0.010350608	0.000100775	0.000159715	4.72033E-05	0.063162476	2.13596E-06	6.47463E-05	0.000403075	0.00181579	0
2030 Dec	0.000800372	0.095682964	1.06863E-05	1.043631792	1.535418391	0.015762461	0.000269234	3.435124159	0.001076938	0.010358571	0.000100765	0.000159689	4.72279E-05	0.063215055	2.13726E-06	6.48103E-05	0.000403148	0.001816326	0
2031 Jan	0.000800679	0.095742136	1.06863E-05	1.044151664	1.536859989	0.015798459	0.000269349	3.437332392	0.001077253	0.010360033	0.000100912	0.000159664	4.72437E-05	0.06326995	2.13726E-06	6.48268E-05	0.000403432	0.001816111	0
2031 Feb	0.000800982	0.095819347	1.06862E-05	1.04477787	1.538630843	0.015849385	0.000269359	3.439810991	0.001077672	0.01036111	0.000101142	0.000159684	4.72663E-05	0.063337043	2.13725E-06	6.48368E-05	0.000403892	0.001816057	0
2031 Mar	0.000801694	0.09592697	1.06935E-05	1.045833707	1.54064846	0.015887998	0.000269548	3.443514585	0.001078638	0.010368781	0.000101337	0.000159805	4.7311E-05	0.063416943	2.1387E-06	6.48867E-05	0.000404418	0.00181727	0
2031 Apr	0.000811363	0.097096749	1.08212E-05	1.058519363	1.559602976	0.01609374	0.00027277	3.485414743	0.00109165	0.010492938	0.00010262	0.000161719	4.78831E-05	0.064195327	2.16423E-06	6.56647E-05	0.000409392	0.001838953	0
2031 May	0.000870857	0.108976044	1.12269E-05	1.163778186	1.803098083	0.022229481	0.00027983	3.866523504	0.001178558	0.010991178	0.000156487	0.000172462	5.46592E-05	0.073600702	2.24538E-06	6.89591E-05	0.000478298	0.001915192	0
2031 Jun	0.000940504	0.140904531	1.05358E-05	1.394282103	2.54730916	0.047303542	0.0002317	4.750360966	0.001324612	0.010742725	0.00038669	0.000192546	7.49572E-05	0.101359986	2.10717E-06	6.75796E-05	0.000717186	0.001873678	0
2031 Jul	0.001082021	0.160871595	1.22962E-05	1.594138741	2.882304907	0.052818213	0.000263846	5.412790775	0.001524602	0.012446728	0.000431275	0.00022391	8.53425E-05	0.114830792	2.45923E-06	7.77962E-05	0.000812851	0.00218751	0
2031 Aug	0.001148629	0.166293174	1.31289E-05	1.665762305	2.966235638	0.052473515	0.000292468	5.679478645	0.001594383	0.013132444	0.000426888	0.00022273	8.85108E-05	0.11863979	2.62578E-06	8.20473E-05	0.000799065	0.002260209	0
2031 Sep	0.001058489	0.143869832	1.20244E-05	1.495017886	2.603595018	0.041863035	0.000331864	5.168331623	0.00141654	0.012101402	0.000328252	0.000173484	7.65554E-05	0.104887031	2.40488E-06	7.81887E-05	0.000638047	0.001944366	0
2031 Oct	0.000963346	0.119805872	1.06015E-05	1.287005305	2.200743198	0.029961385	0.000376716	4.559980392	0.001200047	0.0110635	0.000219701	0.000118847	6.10008E-05	0.088954501	2.1203E-06	7.49674E-05	0.000470979	0.001573756	0
2031 Nov	0.000965457	0.119181685	1.05975E-05	1.283960581	2.192118168	0.029378729	0.00038349	4.55851984	0.001195574	0.011091719	0.000213885	0.000115997	6.04436E-05	0.08863131	2.1195E-06	7.5435E-05	0.000463271	0.001561605	0
2031 Dec	0.00096613	0.119236737	1.0604E-05	1.284669995	2.193220854	0.029378736	0.000383945	4.56133461	0.001196183	0.011099571	0.000213836	0.00011598	6.04639E-05	0.088676699	2.1208E-06	7.54971E-05	0.000463318	0.001562201	0
2032 Jan	0.000966399	0.119290672	1.06044E-05	1.285133719	2.194470644	0.029410601	0.00038402	4.563225269	0.001196491	0.011101072	0.000213939	0.000115979	6.04757E-05	0.088724248	2.12088E-06	7.55113E-05	0.000463601	0.001562151	0
2032 Feb	0.000966677	0.119366571	1.06044E-05	1.285736203	2.196178198	0.029461108	0.000383999	4.565561771	0.001196907	0.011102034	0.000214154	0.000116013	6.04962E-05	0.0887888	2.12087E-06	7.55192E-05	0.000464074	0.001562166	0
2032 Mar	0.000967628	0.119506493	1.06131E-05	1.28712678	2.198920965	0.029512847	0.000384306	4.570606232	0.001198122	0.011111746	0.000214447	0.000116127	6.05575E-05	0.088897265	2.12262E-06	7.5586E-05	0.000464714	0.001563468	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.000974378	0.1203527	1.06862E-05	1.29617548	2.214585543	0.029731451	0.000386947	4.602798462	0.001206501	0.011188578	0.000215989	0.000116937	6.09809E-05	0.089529186	2.13724E-06	7.6109E-05	0.000468059	0.001574242	0
2032 May	0.001009645	0.124972418	1.10602E-05	1.344606638	2.300851822	0.031053772	0.000399934	4.774967194	0.001251026	0.011583729	0.000226106	0.000121439	6.33625E-05	0.092991926	2.21204E-06	7.87863E-05	0.000487387	0.001630524	0
2032 Jun	0.000805363	0.106575385	1.00593E-05	1.121848345	1.831911683	0.02652958	0.000249993	3.745474577	0.001113372	0.009979369	0.00019709	0.000164657	5.49567E-05	0.074222386	2.01185E-06	6.31641E-05	0.000504725	0.00175325	0
2032 Jul	0.000663302	0.087573647	8.95157E-06	0.917146027	1.414908409	0.019408595	0.000177222	2.962967873	0.000949444	0.008561658	0.000143377	0.000158963	4.48763E-05	0.057682604	1.79031E-06	5.17785E-05	0.000423148	0.001626257	0
2032 Aug	0.000698314	0.090432666	9.35362E-06	0.957178175	1.467482805	0.019451814	0.000194475	3.117746592	0.000985349	0.008889005	0.000142734	0.000156434	4.67752E-05	0.060046948	1.87072E-06	5.3962E-05	0.000414504	0.001651542	0
2032 Sep	0.000723742	0.09260188	9.64902E-06	0.990582168	1.515313864	0.019653814	0.000211367	3.242338657	0.001014493	0.009166866	0.000142203	0.000155933	4.82403E-05	0.062149148	1.9298E-06	5.61028E-05	0.000415229	0.001679286	0
2032 Oct	0.000739172	0.093700364	9.76898E-06	1.005669355	1.540843844	0.01960679	0.000223738	3.308110714	0.001025728	0.009334443	0.000140529	0.000154076	4.85721E-05	0.063189656	1.9538E-06	5.75739E-05	0.000414136	0.001683131	0
2032 Nov	0.000743956	0.093728244	9.77556E-06	1.008193254	1.546339273	0.019425843	0.000230381	3.327302694	0.0010255	0.009376448	0.000138331	0.00015165	4.84262E-05	0.063410647	1.95511E-06	5.81281E-05	0.000410246	0.001672914	0
2032 Dec	0.000742849	0.092963368	9.69978E-06	1.002385378	1.539198756	0.019064143	0.000235654	3.319954634	0.001016552	0.009342599	0.000134765	0.000147724	4.78567E-05	0.063113108	1.93996E-06	5.8238E-05	0.000402534	0.001647605	0
2033 Jan	0.000743294	0.093043409	9.70057E-06	1.003101707	1.541094184	0.019109234	0.000235828	3.322945595	0.001017015	0.009345263	0.000134936	0.000147701	4.78775E-05	0.063185498	1.94011E-06	5.82642E-05	0.000402911	0.001647455	0
2033 Feb	0.000743973	0.093177915	9.70425E-06	1.004287601	1.543945432	0.019181177	0.000235936	3.327392817	0.001017943	0.009350337	0.000135273	0.000147784	4.79239E-05	0.06329532	1.94085E-06	5.83003E-05	0.000403652	0.001648029	0
2033 Mar	0.00074596	0.093453944	9.72736E-06	1.007118344	1.548859358	0.019262195	0.000236507	3.337054968	0.001020662	0.00937343	0.000135751	0.000148151	4.80533E-05	0.063492917	1.94547E-06	5.84467E-05	0.000404934	0.001651924	0
2033 Apr	0.000755093	0.094613753	9.84483E-06	1.019534349	1.568277359	0.01951517	0.000239369	3.37835741	0.001033159	0.009487108	0.00013748	0.000149949	4.86425E-05	0.064286701	1.96897E-06	5.91569E-05	0.000410009	0.001671857	0
2033 May	0.000851453	0.119252346	1.00443E-05	1.219908237	2.108878136	0.035056259	0.000236564	4.134605408	0.001180048	0.009992059	0.000277235	0.000166022	6.31499E-05	0.084796064	2.00886E-06	6.28581E-05	0.000566582	0.001726999	0
2033 Jun	0.000865008	0.135751441	9.20746E-06	1.32254529	2.514582634	0.050087877	0.000195907	4.547486305	0.001230164	0.00948615	0.000417029	0.000174308	7.37375E-05	0.099609829	1.84149E-06	5.9827E-05	0.000705667	0.001641642	0
2033 Jul	0.000903889	0.140633315	9.76124E-06	1.37231493	2.58420682	0.050859403	0.000203604	4.705368042	0.001284415	0.009985755	0.000423083	0.000183515	7.61531E-05	0.102480233	1.95225E-06	6.26097E-05	0.000725181	0.001738539	0
2033 Aug	0.00098413	0.152210489	1.06484E-05	1.487475395	2.791726828	0.054573413	0.000223331	5.103873253	0.001393201	0.010864071	0.000453941	0.000197217	8.2378E-05	0.11078085	2.12968E-06	6.80579E-05	0.000776889	0.001883012	0
2033 Sep	0.000951841	0.140959188	1.02807E-05	1.405842185	2.598937988	0.048077516	0.000253769	4.864330769	0.001310999	0.010556273	0.000393127	0.000172139	7.57578E-05	0.103508785	2.05615E-06	6.76186E-05	0.000687923	0.001744645	0
2033 Oct	0.000873615	0.117476866	9.27913E-06	1.215177417	2.185628414	0.034966148	0.000304955	4.295099258	0.001121038	0.009806437	0.000272645	0.000122025	6.07583E-05	0.087480672	1.85583E-06	6.58315E-05	0.000514128	0.00144079	0
2033 Nov	0.000876089	0.116222315	9.2845E-06	1.20859611	2.165174007	0.033843163	0.000315429	4.28465414	0.001113244	0.00984991	0.000261655	0.000117572	5.97599E-05	0.086725004	1.8569E-06	6.65208E-05	0.000499941	0.001423463	0
2033 Dec	0.000876678	0.116284877	9.29053E-06	1.209310293	2.166368246	0.033853937	0.000315735	4.287312508	0.001113885	0.009856683	0.000261716	0.000117604	5.97886E-05	0.086773463	1.85811E-06	6.65705E-05	0.000500124	0.001424209	0
2034 Jan	0.000876826	0.116310433	9.29115E-06	1.209544301	2.166941643	0.033867087	0.000315786	4.288246632	0.001114053	0.009857759	0.000261755	0.000117606	5.97949E-05	0.086795531	1.85823E-06	6.65795E-05	0.000500245	0.001424245	0
2034 Feb	0.000876999	0.116348602	9.29179E-06	1.209868789	2.167770863	0.033889364	0.000315803	4.289481163	0.001114296	0.009858841	0.000261852	0.000117627	5.98067E-05	0.086827256	1.85836E-06	6.65875E-05	0.000500464	0.001424345	0
2034 Mar	0.000877562	0.116431452	9.29709E-06	1.210690856	2.169379234	0.033919584	0.00031598	4.292441368	0.001115022	0.009864686	0.000262045	0.0001177	5.98451E-05	0.086890854	1.85942E-06	6.66273E-05	0.000500851	0.001425159	0
2034 Apr	0.000884329	0.117334098	9.36842E-06	1.220054269	2.186234474	0.034186043	0.000318403	4.325664997	0.001123628	0.009940489	0.000264081	0.000118607	6.03067E-05	0.087565504	1.87368E-06	6.71395E-05	0.000504751	0.001436093	0
2034 May	0.000923848	0.125332758	9.65094E-06	1.290605903	2.348351479	0.038305692	0.000322032	4.578390598	0.001182725	0.010277612	0.00030033	0.000126523	6.4879E-05	0.093828112	1.93019E-06	6.93044E-05	0.000551923	0.001491654	0
2034 Jun	0.000942389	0.141217232	9.43328E-06	1.395956278	2.682389498	0.050916541	0.000270336	4.926048756	0.001264391	0.010120325	0.000418122	0.000151315	7.52811E-05	0.106209084	1.88666E-06	6.7E-05	0.000690756	0.00155407	0
2034 Jul	0.000947071	0.140190065	9.7067E-06	1.387526035	2.627097607	0.048940275	0.000266699	4.875580311	0.001269718	0.010269253	0.000401854	0.000154515	7.43879E-05	0.104191847	1.94134E-06	6.71853E-05	0.000674488	0.001598635	0
2034 Aug	0.001045629	0.154037416	1.07489E-05	1.528374553	2.884347916	0.053409003	0.000296467	5.371974945	0.001399409	0.011336321	0.000438105	0.000168787	8.18312E-05	0.114487335	2.14979E-06	7.41419E-05	0.000734968	0.001760392	0
2034 Sep	0.001011597	0.143676355	1.03973E-05	1.447655201	2.697520256	0.047464002	0.000317921	5.121500015	0.001322083	0.01104293	0.00038314	0.000148947	7.54825E-05	0.107337274	2.07946E-06	7.34128E-05	0.000659116	0.001647137	0
2034 Oct	0.000933981	0.124054812	9.56723E-06	1.283686757	2.339300156	0.037006088	0.000343586	4.599022865	0.001166438	0.010323456	0.00028808	0.000114319	6.3443E-05	0.093448594	1.91345E-06	7.05756E-05	0.000525895	0.001427239	0
2034 Nov	0.000936187	0.123669073	9.58727E-06	1.282542706	2.332884789	0.036555406	0.000348349	4.599659443	0.001164913	0.010357925	0.000283577	0.000112758	6.30996E-05	0.093223028	1.91745E-06	7.0963E-05	0.000520613	0.001423227	0
2034 Dec	0.000936911	0.123748891	9.59463E-06	1.283437729	2.334410906	0.036571082	0.000348712	4.602980137	0.001165715	0.010366182	0.000283675	0.000112802	6.31369E-05	0.093284726	1.91893E-06	7.10231E-05	0.000520863	0.001424156	0
2035 Jan	0.000937045	0.12377277	9.59512E-06	1.283653617	2.334950924	0.036583852	0.000348755	4.603844643	0.001165868	0.010367097	0.000283708	0.000112804	6.31421E-05	0.093305469	1.91902E-06	7.1031E-05	0.000520979	0.001424178	0
2035 Feb	0.000937269	0.123818286	9.59625E-06	1.284051895	2.335921764	0.036608715	0.000348788	4.605342865	0.001166176	0.010368717	0.000283823	0.000112831	6.31574E-05	0.093342811	1.91925E-06	7.10426E-05	0.000521233	0.001424355	0
2035 Mar	0.000937734	0.123888344	9.60038E-06	1.284737945	2.337304592	0.036635652	0.000348934	4.607842445	0.00116677	0.010373387	0.000283989	0.000112887	6.31889E-05	0.093397267	1.92008E-06	7.10748E-05	0.000521561	0.001424971	0
2035 Apr	0.000944469	0.124783166	9.66897E-06	1.293994308	2.354221582	0.036903825	0.000351424	4.641062737	0.00117516	0.010447626	0.000286044	0.000113698	6.36428E-05	0.094072804	1.93379E-06	7.15837E-05	0.000525348	0.001435155	0
2035 May	0.000980682	0.130445838	1.00026E-05	1.348821998	2.464468718	0.039129462	0.000361357	4.83738327	0.001223453	0.010817368	0.000304645	0.000119108	6.66877E-05	0.098411173	2.00052E-06	7.40669E-05	0.000553493	0.001489181	0
2035 Jun	0.000880266	0.127463222	9.34284E-06	1.278055906	2.366141796	0.042353585	0.000260904	4.455910206	0.001184304	0.009843809	0.000341639	0.00014996	6.70154E-05	0.094103418	1.86857E-06	6.45214E-05	0.000617785	0.001563195	0
2035 Jul	0.000881547	0.126941741	9.67874E-06	1.276012659	2.319626808	0.040854916	0.000253932	4.404499054	0.001199786	0.01004709	0.000328215	0.000160083	6.66078E-05	0.092443243	1.93575E-06	6.49722E-05	0.000619163	0.001649858	0
2035 Aug	0.000925894	0.131519392	1.02287E-05	1.335831404	2.40675211	0.041611072	0.000274916	4.617293358	0.001255571	0.010533045	0.00033225	0.000162626	6.95482E-05	0.096202008	2.04575E-06	6.8265E-05	0.00062703	0.001715413	0
2035 Sep	0.000876074	0.11797493	9.65541E-06	1.233660579	2.179055452	0.034702178	0.000299932	4.310053349	0.001151737	0.009977747	0.000268458	0.000133068	6.21945E-05	0.087603025	1.93108E-06	6.62231E-05	0.000524649	0.001535127	0
2035 Oct	0.000865607	0.112288252	9.44095E-06	1.190191865	2.083133221	0.031054959	0.000322845	4.19757843	0.001105176	0.009882984	0.000234315	0.000117296	5.81571E-05	0.083880737	1.88819E-06	6.67553E-05	0.000475314	0.001448276	0
2035 Nov	0.000849179	0.108053602	9.21302E-06	1.153473854	2.009226322	0.02887575	0.000329749	4.087922573	0.001068069	0.009707439	0.000214654	0.000108094	5.54332E-05	0.080972873	1.84261E-06	6.61392E-05	0.000445113	0.001387096	0
2035 Dec	0.000849864	0.108108334	9.21971E-06	1.154186606	2.010317087	0.02887452	0.000330216	4.090757847	0.001068682	0.009715457	0.000214592	0.000108074	5.54529E-05	0.081017904	1.84394E-06	6.62026E-05	0.000445145	0.001387695	0
2036 Jan	0.00085002	0.108138002	9.22006E-06	1.154445171	2.010996819	0.028891305	0.000330263	4.091811657	0.001068857	0.0097164	0.000214643	0.000108073	5.54593E-05	0.081043832	1.84401E-06	6.62112E-05	0.000445293	0.001387681	0
2036 Feb	0.000850196	0.108181864	9.22032E-06	1.154802203	2.011969805	0.028919093	0.000330263	4.093187332	0.001069111	0.009717212	0.000214761	0.000108093	5.54717E-05	0.081080779	1.84406E-06	6.62174E-05	0.000445557	0.001387727	0
2036 Mar	0.000850309	0.108207881	9.22066E-06	1.155019641	2.01253891	0.028934754	0.000330269	4.094017982	0.001069271	0.009717857	0.00021483	0.000108107	5.54796E-05	0.081102483	1.84413E-06	6.62222E-05	0.000445709	0.001387781	0
2036 Apr	0.00085796	0.109265342	9.29719E-06	1.165872693	2.032820463	0.029280214	0.000332972	4.132918358	0.00107902	0.009800617	0.000217052	0.000109073	5.59824E-05	0.081910923	1.85944E-06	6.67889E-05	0.000450389	0.001399327	0
2036 May	0.0008889	0.113501318	9.61288E-06	1.209557056	2.113466978	0.030627048	0.000343947	4.288820744	0.001118564	0.010139487	0.000226498	0.0001131	5.80839E-05	0.085130885	1.92257E-06	6.90992E-05	0.000469095	0.001447393	0
2036 Jun	0.00081062	0.107805215	9.36459E-06	1.13163352	1.940883875	0.029510139	0.000273972	3.891207218	0.001081176	0.009589341	0.000222255	0.000138544	5.57529E-05	0.078200892	1.87292E-06	6.2815E-05	0.000492823	0.001548787	0
2036 Jul	0.000792079	0.104787454	9.50481E-06	1.097010851	1.833286762	0.027111802	0.000251842	3.723340988	0.001069534	0.009534944	0.000204215	0.00014605	5.39476E-05	0.074066937	1.90096E-06	6.10291E-05	0.000477512	0.001601245	0
2036 Aug	0.00086371	0.11373166	1.03654E-05	1.192364931	1.987210035	0.029146524	0.000275171	4.051517487	0.001162485	0.010371076	0.000219509	0.000156848	5.86047E-05	0.080348149	2.07307E-06	6.63225E-05	0.000511254	0.00173408	0
2036 Sep	0.0008678	0.112243146	1.03548E-05	1.189369798	1.97354424	0.028023411	0.000291228	4.063476086	0.00115414	0.010390406	0.000207847	0.000148949	5.78418E-05	0.079952717	2.07096E-06	6.71206E-05	0.000490793	0.001698841	0
2036 Oct	0.000852321	0.105813801	9.93438E-06	1.138658166	1.882242084	0.024601907	0.000318574	3.948649406	0.001092379	0.010159104	0.000175779	0.000126798	5.3431E-05	0.076340675	1.98688E-06	6.72793E-05	0.000434851	0.001560218	0
2036 Nov	0.000849344	0.10451062	9.84997E-06	1.128460765	1.863837481	0.023899881	0.000324323	3.925926924	0.001079881	0.010113924	0.000169184	0.000122245	5.25319E-05	0.075613067	1.96999E-06	6.73302E-05	0.000423382	0.001531926	0
2036 Dec	0.000847407	0.103959344	9.81085E-06	1.123802304	1.855621338	0.023638871	0.000325884	3.913980007	0.001074508	0.010087607	0.000166794	0.000120588	5.21732E-05	0.075286113	1.96217E-06	6.72725E-05	0.000419081	0.001520776	0
2037 Jan	0.000847743	0.104020156	9.812E-06	1.124348164	1.856998205	0.023671674	0.000325992	3.916171789	0.001074892	0.010089877	0.000166917	0.000120591	5.219E-05	0.075338937	1.9624E-06	6.72921E-05	0.000419378	0.001520818	0
2037 Feb	0.000848203	0.104114436	9.81422E-06	1.125169277	1.859015822	0.023723705	0.000326056	3.919268608	0.001075524	0.010093126	0.000167157	0.000120646	5.22216E-05	0.075416461	1.96284E-06	6.73154E-05	0.000419905	0.001521163	0
2037 Mar	0.000850128	0.104371533	9.83481E-06	1.127839446	1.863789201	0.023799013	0.000326735	3.928698063	0.001077992	0.010114822	0.000167619	0.000120914	5.2342E-05	0.075607732	1.96696E-06	6.74611E-05	0.000421022	0.001524354	0
2037 Apr	0.000855159	0.10500104	9.89204E-06	1.134580016	1.875135064	0.023952127	0.000328633	3.95225215	0.001084387	0.010173982	0.000168658	0.000121626	5.26528E-05	0.076066643	1.97841E-06	6.78562E-05	0.000423607	0.001533224	0
2037 May	0.000922048	0.12508747	9.98703E-06	1.291514277	2.308548212	0.037249681	0.000311291	4.528174877	0.001201911	0.01045662	0.000289806	0.000139083	6.48408E-05	0.092451066	1.99741E-06	6.94827E-05	0.000560349	0.001589794	0
2037 Jun	0.000900681	0.135653123	9.2272E-06	1.340481997	2.555305004	0.048627265	0.000248765	4.694035053	0.001225483	0.009784504	0.000398846	0.000154164	7.24728E-05	0.101263791	1.84544E-06	6.40531E-05	0.000673006	0.001553238	0
2037 Jul	0.000950856	0.142410249	9.89127E-06	1.408875942	2.662419558	0.050186381	0.000259798	4.916515827	0.001296324	0.010409123	0.000411243	0.000165759	7.59255E-05	0.10561081	1.97825E-06	6.76998E-05	0.000703739	0.001671348	0
2037 Aug	0.001012559	0.1507186	1.05703E-05	1.496397376	2.816366196	0.052688926	0.00027977	5.224174976	0.001377495	0.011081683	0.00043106	0.000174109	8.05098E-05	0.111838892	2.11405E-06	7.20821E-05	0.00073743	0.001773204	0
2037 Sep	0.001038811	0.1525345	1.08606E-05	1.525219083	2.854581118	0.052460268	0.000299085	5.336228371	0.001402716	0.011388876	0.000426672	0.00017287	8.14006E-05	0.113516077	2.17212E-06	7.45116E-05	0.000735174	0.001798089	0
2037 Oct	0.001000787	0.140788466	1.0421E-05	1.430573106	2.642062664	0.045681629	0.000323826	5.047865868	0.001310964	0.011049543	0.000364549	0.000149177	7.39129E-05	0.105308004	2.08421E-06	7.37026E-05	0.000647841	0.001659256	0
2037 Nov	0.001000005	0.139451414	1.04045E-05	1.421726465	2.61848855	0.044678584	0.000330679	5.025397301	0.001301894	0.01105635	0.000355005	0.000145602	7.29576E-05	0.104418747	2.08091E-06	7.4027E-05	0.000635304	0.001643421	0
2037 Dec	0.001001197	0.139588118	1.04167E-05	1.42323482	2.621092081	0.044708591	0.000331244	5.030940056	0.001303253	0.011069894	0.000355206	0.000145693	7.30229E-05	0.104523778	2.08334E-06	7.41243E-05	0.000635772	0.00164503	0
2038 Jan	0.00100141	0.139623523	1.04176E-05	1.423562169	2.621893167	0.044726495	0.000331325	5.032262802	0.001303485	0.011071442	0.000355247	0.000145691	7.30305E-05	0.104554631	2.08352E-06	7.41377E-05	0.000635933	0.001645062	0
2038 Feb	0.001001633	0.13967514	1.04182E-05	1.423993111	2.623031139	0.044757899	0.000331339	5.033919334	0.001303797	0.011072656	0.000355377	0.000145715	7.30452E-05	0.104598016	2.08363E-06	7.41469E-05	0.000636234	0.001645148	0
2038 Mar	0.001002174	0.139761806	1.04228E-05	1.424824595	2.624750614	0.044793777	0.000331486	5.036930561	0.001304514	0.011077954	0.000355596	0.000145789	7.30838E-05	0.104665488	2.08457E-06	7.4183E-05	0.000636665	0.001645883	0
2038 Apr	0.001008147	0.140601262	1.04844E-05	1.433352828	2.640568256	0.045067463	0.000333443	5.067120075	0.001312296	0.011143595	0.000357731	0.000146656	7.35189E-05	0.105295613	2.09688E-06	7.46229E-05	0.000640509	0.001655606	0
2038 May	0.001052778	0.150646687	1.0748E-05	1.518815517	2.847767591	0.0506851	0.000333773	5.374815464	0.001381943	0.011482023	0.000407806	0.000156365	7.93683E-05	0.113245286	2.1496E-06	7.67551E-05	0.000702671	0.001713656	0
2038 Jun	0.001019924	0.159966916	9.94307E-06	1.553885102	3.062692642	0.061607607	0.000263177	5.477918148	0.001397016	0.010722692	0.000513387	0.000173537	8.63981E-05	0.120806187	1.98861E-06	7.0446E-05	0.000813725	0.001683774	0
2038 Jul	0.001135819	0.177405477	1.12473E-05	1.725920081	3.376715183	0.067471646	0.000290775	6.062839508	0.001560885	0.012046129	0.000561507	0.000197618	9.56874E-05	0.133300498	2.24946E-06	7.87157E-05	0.000902587	0.001916648	0
2038 Aug	0.001248986	0.192849278	1.24697E-05	1.890460372	3.67056632	0.072414562	0.000328701	6.644049168	0.001711159	0.013256428	0.000600601	0.000212191	0.000104466	0.145202532	2.49393E-06	8.67264E-05	0.000966016	0.002097248	0
2038 Sep	0.001229547	0.184985161	1.2319E-05	1.834173083	3.525549173	0.067391932	0.000350135	6.470820427	0.001658674	0.013124765	0.000553748	0.000196795	9.96767E-05	0.139753088	2.4638E-06	8.67838E-05	0.000903026	0.002022612	0
2038 Oct	0.001181456	0.170502976	1.18479E-05	1.716689229	3.253298044	0.058852214	0.000376085	6.099006653	0.001549546	0.012734381	0.000475789	0.000170837	9.04684E-05	0.129258469	2.36957E-06	8.5648E-05	0.00079779	0.001874449	0
2038 Nov	0.00118665	0.170568466	1.1901E-05	1.719918132	3.25491786	0.058553662	0.00038148	6.114612103	0.001552181	0.012801969	0.000472566	0.000169864	9.03649E-05	0.129352048	2.38019E-06	8.62377E-05	0.000794698	0.001876171	0
2038 Dec	0.001187276	0.170587078	1.19073E-05	1.720374703	3.255311728	0.058526408	0.000382072	6.116668224	0.001552563	0.012809932	0.000472261	0.000169774	9.03603E-05	0.129370749	2.38147E-06	8.63054E-05	0.000794429	0.001876481	0
2039 Jan	0.001187497	0.170625746	1.19074E-05	1.720717669	3.256257772	0.058548708	0.00038217	6.118162155	0.001552766	0.012811082	0.000472252	0.000169748	9.03599E-05	0.12940675	2.38149E-06	8.63182E-05	0.000794594	0.001876304	0
2039 Feb	0.001187779	0.170701012	1.19073E-05	1.721316814	3.257962942	0.058598738	0.000382158	6.120511532	0.001553172	0.012812017	0.000472429	0.000169775	9.03767E-05	0.129471213	2.38146E-06	8.63263E-05	0.000795052	0.001876279	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.00119054	0.171116769	1.19334E-05	1.725422144	3.266044855	0.05875469	0.00038299	6.135228634	0.001556803	0.012840647	0.000473562	0.000170162	9.05842E-05	0.129790619	2.38668E-06	8.65203E-05	0.000797047	0.001880383	0
2039 Apr	0.00120067	0.172583565	1.2034E-05	1.740162134	3.29412508	0.059265915	0.000386217	6.187708855	0.001570061	0.012949238	0.000477612	0.000171606	9.13534E-05	0.130905479	2.4068E-06	8.72525E-05	0.000803913	0.001896234	0
2039 May	0.001253789	0.180433542	1.25558E-05	1.818369508	3.444827318	0.062088694	0.000402459	6.465985775	0.0016402	0.013513836	0.000500617	0.000179406	9.55365E-05	0.136877432	2.51116E-06	9.10469E-05	0.000841393	0.001979468	0
2039 Jun	0.000876219	0.125098258	1.05516E-05	1.274964094	2.203229904	0.03729485	0.000237441	4.265777111	0.001244992	0.010568113	0.000292964	0.000190956	6.58835E-05	0.088411503	2.11031E-06	6.63748E-05	0.000636532	0.001902259	0
2039 Jul	0.000732914	0.10069263	9.50252E-06	1.028585792	1.661716938	0.025510935	0.000178694	3.363785267	0.001046437	0.009140007	0.000199125	0.000170946	5.21097E-05	0.067221247	1.9005E-06	5.49803E-05	0.000488468	0.001718295	0
2039 Aug	0.000761656	0.099665187	9.68385E-06	1.021110177	1.618071437	0.022737753	0.000191559	3.401684523	0.001035096	0.009180771	0.000179934	0.000149855	5.11076E-05	0.06576331	1.93677E-06	5.4824E-05	0.000414946	0.00162548	0
2039 Sep	0.000789587	0.101915918	9.96422E-06	1.05345428	1.667565942	0.022819808	0.000211627	3.528661489	0.001062213	0.009495498	0.000178194	0.000148617	5.22203E-05	0.067858495	1.99284E-06	5.73766E-05	0.000415901	0.001648805	0
2039 Oct	0.000794107	0.100767471	9.89344E-06	1.049701333	1.663227916	0.021970743	0.000229096	3.542999268	0.001051284	0.009529054	0.000168735	0.000140941	5.12133E-05	0.067699321	1.97869E-06	5.8477E-05	0.000401649	0.001608915	0
2039 Nov	0.000799322	0.101361632	9.95343E-06	1.056213498	1.673609495	0.022076759	0.000231236	3.566040754	0.001057524	0.009590829	0.000169434	0.000141534	5.14986E-05	0.068122573	1.99069E-06	5.88912E-05	0.000403637	0.001617554	0
2039 Dec	0.0008003	0.101470269	9.96447E-06	1.057418585	1.675533295	0.022095095	0.000231663	3.570349455	0.001058667	0.009602373	0.000169549	0.000141631	5.15501E-05	0.068201028	1.99289E-06	5.89701E-05	0.000403984	0.001619096	0
2040 Jan	0.000800447	0.101497836	9.96453E-06	1.057667494	1.67621541	0.022111692	0.000231728	3.571400642	0.001058819	0.009603182	0.000169605	0.000141621	5.15564E-05	0.06822703	1.99291E-06	5.89792E-05	0.000404124	0.001619013	0
2040 Feb	0.000800662	0.101544537	9.96532E-06	1.058068037	1.677237749	0.022138873	0.000231755	3.572929621	0.001059116	0.009604545	0.000169727	0.000141645	5.15714E-05	0.068266161	1.99306E-06	5.89895E-05	0.000404391	0.00161913	0
2040 Mar	0.0008022	0.101749994	9.98342E-06	1.060162067	1.680767536	0.022192884	0.000232181	3.580097198	0.001061157	0.009622323	0.000170095	0.000141908	5.1671E-05	0.068408482	1.99668E-06	5.90997E-05	0.000405254	0.001622066	0
2040 Apr	0.000807314	0.10240455	1.00465E-05	1.066955924	1.691655874	0.022340804	0.00023365	3.603092909	0.001067925	0.009683297	0.000171203	0.000142809	5.20007E-05	0.06885089	2.0093E-06	5.94748E-05	0.000407886	0.001632311	0
2040 May	0.000850148	0.110840045	1.03508E-05	1.142270923	1.863967299	0.026633067	0.000239287	3.874575138	0.001130613	0.010053265	0.000208713	0.00015075	5.67953E-05	0.075514592	2.07017E-06	6.1927E-05	0.000457038	0.001689994	0
2040 Jun	0.000874205	0.133460566	9.56363E-06	1.300891161	2.415928364	0.046415776	0.000194503	4.458895683	0.001227149	0.009686394	0.000387425	0.000173633	7.15785E-05	0.095924392	1.91273E-06	6.00938E-05	0.000666178	0.001676068	0
2040 Jul	0.000908881	0.137757063	1.0152E-05	1.346525192	2.469385147	0.046807833	0.000200372	4.589422226	0.001281388	0.010201281	0.000389608	0.00018554	7.36959E-05	0.098190375	2.03039E-06	6.28693E-05	0.000687617	0.001791799	0
2040 Aug	0.000967113	0.145046666	1.08318E-05	1.423472404	2.594906092	0.048545849	0.000217589	4.858864784	0.001355357	0.010836873	0.000403621	0.000192657	7.76435E-05	0.103328951	2.16637E-06	6.67841E-05	0.00071068	0.00188789	0
2040 Sep	0.000976457	0.143874213	1.09703E-05	1.430563688	2.585425854	0.047261439	0.000236481	4.896772861	0.001359072	0.010943476	0.000389481	0.000186572	7.7447E-05	0.103260666	2.19405E-06	6.80581E-05	0.000690089	0.001877476	0
2040 Oct	0.000986177	0.142139018	1.10109E-05	1.425238967	2.562232733	0.045385979	0.000259764	4.905540466	0.001349523	0.011077131	0.000370405	0.000178099	7.58657E-05	0.102438763	2.20218E-06	6.98347E-05	0.000666263	0.001847404	0
2040 Nov	0.000993647	0.142836869	1.10861E-05	1.433695078	2.575789452	0.04544919	0.000264235	4.937918186	0.001356986	0.011163997	0.000370465	0.000178213	7.6159E-05	0.102993488	2.21723E-06	7.04951E-05	0.000667639	0.001855566	0
2040 Dec	0.000994405	0.14291285	1.10939E-05	1.434584975	2.57724452	0.045459423	0.000264655	4.941268921	0.001357781	0.011172771	0.000370509	0.000178241	7.61926E-05	0.10305278	2.21878E-06	7.05604E-05	0.000667828	0.001856474	0
2041 Jan	0.000994737	0.142964572	1.10957E-05	1.435079575	2.578381777	0.045483172	0.000264787	4.943218708	0.001358153	0.011175534	0.000370587	0.000178249	7.62075E-05	0.103096902	2.21915E-06	7.05828E-05	0.000668061	0.001856636	0
2041 Feb	0.00099512	0.143040404	1.10978E-05	1.435748935	2.579986811	0.045523591	0.000264848	4.945725918	0.001358677	0.011178418	0.000370778	0.000178296	7.62339E-05	0.103158742	2.21957E-06	7.06033E-05	0.000668478	0.001856965	0
2041 Mar	0.000996961	0.143316269	1.11172E-05	1.438467503	2.585091829	0.045620274	0.000265316	4.955202103	0.001361191	0.011198317	0.00037149	0.000178614	7.63732E-05	0.103361592	2.22344E-06	7.07302E-05	0.000669801	0.001860188	0
2041 Apr	0.001002727	0.144151613	1.11808E-05	1.446823239	2.600233793	0.04589127	0.000266837	4.984048843	0.001369064	0.011262637	0.000373653	0.00017964	7.6814E-05	0.103966288	2.23616E-06	7.11371E-05	0.000673725	0.001870826	0
2041 May	0.001033509	0.149160475	1.14796E-05	1.494650364	2.695652008	0.047895923	0.000273507	5.151896	0.001412139	0.011579716	0.000390632	0.000185221	7.95561E-05	0.107723117	2.29592E-06	7.31666E-05	0.000699589	0.001922522	0
2041 Jun	0.000812237	0.116274267	1.03344E-05	1.17974031	1.972034335	0.033030696	0.000189825	3.866935492	0.001183691	0.009998178	0.000261844	0.000195227	6.15665E-05	0.079462573	2.06689E-06	6.04156E-05	0.000592304	0.001904464	0
2041 Jul	0.000683156	0.095739581	9.38481E-06	0.979451597	1.540020227	0.023931744	0.000147201	3.114481926	0.001021432	0.008844228	0.000185526	0.00018482	5.01302E-05	0.062513277	1.87696E-06	5.19141E-05	0.000495988	0.001781959	0
2041 Aug	0.000748757	0.103967547	1.02453E-05	1.067682862	1.674000978	0.025638944	0.000165458	3.407923937	0.001111046	0.009635396	0.000198436	0.00019696	5.45442E-05	0.068043865	2.04907E-06	5.66604E-05	0.00052747	0.001921698	0
2041 Sep	0.000773175	0.105862558	1.05026E-05	1.097235918	1.717293739	0.025701417	0.000183196	3.523204803	0.00113576	0.009899723	0.000196761	0.000195414	5.56787E-05	0.069926903	2.10051E-06	5.88005E-05	0.000526323	0.001940905	0
2041 Oct	0.000783761	0.104664668	1.04267E-05	1.094741344	1.716666222	0.024561826	0.000207873	3.558621883	0.001122367	0.009960343	0.000184613	0.000183422	5.44473E-05	0.069919884	2.08534E-06	6.03516E-05	0.000503143	0.001879541	0
2041 Nov	0.000792943	0.105516419	1.05178E-05	1.105088949	1.733363032	0.02463864	0.000213443	3.598497868	0.001131422	0.010066432	0.000184677	0.000183496	5.48031E-05	0.070602603	2.10355E-06	6.11642E-05	0.00050474	0.001889123	0
2041 Dec	0.000794081	0.105641827	1.05307E-05	1.106502533	1.735612988	0.024659352	0.000213967	3.603534937	0.001132761	0.010080139	0.000184796	0.000183616	5.48622E-05	0.070694432	2.10614E-06	6.12592E-05	0.000505166	0.001890971	0
2042 Jan	0.00079457	0.105716385	1.05343E-05	1.10722518	1.737166405	0.024690593	0.000214141	3.606276035	0.001133347	0.010084639	0.000184935	0.00018365	5.48892E-05	0.070755169	2.10686E-06	6.12927E-05	0.000505504	0.001891415	0
2042 Feb	0.000794848	0.105778262	1.0535E-05	1.107748389	1.738541842	0.024727743	0.000214173	3.608306646	0.001133723	0.010086199	0.0001851	0.000183673	5.49082E-05	0.070807658	2.107E-06	6.13051E-05	0.000505855	0.001891497	0
2042 Mar	0.000795928	0.105935603	1.05477E-05	1.109327793	1.741323352	0.024776915	0.000214441	3.613629341	0.001135252	0.010098829	0.000185406	0.000183901	5.49827E-05	0.070919007	2.10954E-06	6.13835E-05	0.000506638	0.001893751	0
2042 Apr	0.000806294	0.107322998	1.06841E-05	1.123817086	1.764241576	0.025108544	0.000217221	3.660930634	0.001150029	0.010229724	0.000187852	0.000186283	5.56986E-05	0.071851291	2.13683E-06	6.218E-05	0.00051329	0.001918231	0
2042 May	0.000856884	0.115650341	1.11938E-05	1.203242898	1.921189189	0.028425168	0.000227443	3.936018229	0.001222602	0.010764875	0.00021589	0.00019653	6.02597E-05	0.078032494	2.23877E-06	6.55577E-05	0.000557833	0.00201046	0
2042 Jun	0.000748312	0.103164606	1.03265E-05	1.069148064	1.664605856	0.02492791	0.000176118	3.400289297	0.001114903	0.00977543	0.000188453	0.000200317	5.38992E-05	0.067734219	2.06529E-06	5.8087E-05	0.000534436	0.001954247	0
2042 Jul	0.000700167	0.094621599	9.9268E-06	0.97911185	1.471348286	0.020667236	0.000154656	3.082117796	0.00104052	0.009247155	0.000155763	0.000190482	4.88557E-05	0.060123816	1.98536E-06	5.38294E-05	0.000475168	0.001870603	0
2042 Aug	0.000694017	0.08856985	9.61422E-06	0.958780169	1.421544194	0.018094514	0.000189817	3.096780777	0.000995758	0.00883911	0.000130594	0.000156504	4.75916E-05	0.058817018	1.92284E-06	5.28417E-05	0.000389718	0.001678877	0
2042 Sep	0.000701289	0.08629933	9.54846E-06	0.964603901	1.425097823	0.016946092	0.000221665	3.165439129	0.000984959	0.00879175	0.000116326	0.000139487	4.73459E-05	0.059345551	1.90969E-06	5.39967E-05	0.000353351	0.001595778	0
2042 Oct	0.000710212	0.085325025	9.41084E-06	0.959620774	1.428946733	0.016087664	0.00024456	3.193901539	0.000968414	0.008835752	0.000106992	0.000128087	4.59497E-05	0.059402287	1.88217E-06	5.5486E-05	0.000335371	0.00153061	0
2042 Nov	0.000716455	0.085988134	9.48269E-06	0.967332423	1.440908909	0.016184015	0.000247552	3.221482754	0.000975706	0.008910577	0.000107479	0.00012866	4.62697E-05	0.059895169	1.89654E-06	5.60074E-05	0.000337375	0.001540478	0
2042 Dec	0.000717132	0.086058773	9.49033E-06	0.968158245	1.44219768	0.0161938	0.000247889	3.224467278	0.00097648	0.008918652	0.000107525	0.000128714	4.63032E-05	0.059948206	1.89807E-06	5.60645E-05	0.000337579	0.001541496	0
2043 Jan	0.000717347	0.086094581	9.49136E-06	0.96848774	1.442986727	0.016211316	0.000247966	3.225772142	0.000976723	0.008920344	0.000107599	0.00012872	4.63143E-05	0.059978593	1.89827E-06	5.60783E-05	0.000337749	0.001541582	0
2043 Feb	0.000717533	0.086135387	9.49199E-06	0.968833208	1.443878293	0.016235199	0.000247987	3.227095842	0.000976978	0.00892149	0.000107708	0.00012874	4.63272E-05	0.060012635	1.8984E-06	5.6087E-05	0.000337983	0.001541675	0
2043 Mar	0.000717955	0.08619608	9.49656E-06	0.96945399	1.445009112	0.016255485	0.000248108	3.22925806	0.000977553	0.008926095	0.000107816	0.000128808	4.63549E-05	0.06005799	1.89931E-06	5.61167E-05	0.000338262	0.001542413	0
2043 Apr	0.000725524	0.087110572	9.5961E-06	0.979703724	1.460405231	0.016433036	0.00025071	3.263454437	0.000987859	0.009019828	0.000108978	0.000130162	4.68439E-05	0.060696937	1.91922E-06	5.67065E-05	0.000341874	0.001558577	0
2043 May	0.000771282	0.094957292	1.00125E-05	1.05358851	1.613455653	0.019832244	0.000259749	3.524402142	0.001052993	0.009471929	0.000138041	0.000138536	5.12216E-05	0.06669753	2.0025E-06	5.96269E-05	0.000383979	0.001632005	0
2043 Jun	0.000831737	0.122092038	9.57674E-06	1.238195181	2.210692883	0.040008124	0.00021415	4.207554817	0.001179983	0.009491798	0.000323677	0.000165634	6.6869E-05	0.088664316	1.91535E-06	5.95629E-05	0.000600884	0.001665069	0
2043 Jul	0.000886736	0.128366232	1.03761E-05	1.301730156	2.289446354	0.040449642	0.000224445	4.409309864	0.001251978	0.01019315	0.000327289	0.000177065	6.97732E-05	0.09196496	2.07523E-06	6.33175E-05	0.000618811	0.001795872	0
2043 Aug	0.000947378	0.134636179	1.1134E-05	1.383636832	2.40811038	0.04147803	0.000252776	4.699874878	0.001328649	0.010858381	0.000332804	0.000180705	7.38168E-05	0.097091228	2.22679E-06	6.77969E-05	0.000629546	0.001886796	0
2043 Sep	0.00094664	0.131661877	1.11475E-05	1.37571764	2.370427847	0.039570998	0.000271826	4.691034794	0.00131655	0.010835235	0.000313146	0.000170833	7.2789E-05	0.09594319	2.22949E-06	6.83792E-05	0.000597348	0.001847271	0
2043 Oct	0.000942364	0.125354409	1.08803E-05	1.329136848	2.273556471	0.035223566	0.000309589	4.591929436	0.00126133	0.01080831	0.000271397	0.000149317	6.77372E-05	0.092118472	2.17606E-06	7.00954E-05	0.000538728	0.001730813	0
2043 Nov	0.000935145	0.119643636	1.06167E-05	1.28538847	2.184489727	0.031487145	0.000339643	4.491965294	0.001210694	0.010743838	0.000235777	0.000130923	6.32908E-05	0.088592708	2.12334E-06	7.12425E-05	0.000488098	0.001627651	0
2043 Dec	0.000935975	0.119712315	1.06247E-05	1.286263943	2.185862541	0.031487755	0.0003402	4.495438576	0.001211445	0.010753511	0.000235722	0.000130903	6.3316E-05	0.088649057	2.12494E-06	7.1319E-05	0.000488164	0.001628386	0
2044 Jan	0.000936442	0.119783007	1.06279E-05	1.286947966	2.187353134	0.031517524	0.000340376	4.498064518	0.001211989	0.010757759	0.000235844	0.000130929	6.334E-05	0.088707201	2.12558E-06	7.13513E-05	0.00048848	0.001628759	0
2044 Feb	0.000938235	0.120039761	1.06459E-05	1.289557695	2.192270517	0.031606141	0.000340948	4.507361412	0.001214337	0.010776781	0.000236391	0.000131172	6.34615E-05	0.088903278	2.12919E-06	7.14789E-05	0.000489637	0.001631525	0
2044 Mar	0.000941662	0.120493099	1.06836E-05	1.294346929	2.200673819	0.03173694	0.00034215	4.524196625	0.001218788	0.010815289	0.000237306	0.000131648	6.36935E-05	0.08924225	2.13671E-06	7.17351E-05	0.000491546	0.001637293	0
2044 Apr	0.000950033	0.121572591	1.07778E-05	1.305897474	2.220459461	0.032027692	0.000345168	4.564623356	0.001229631	0.010910952	0.000239445	0.000132816	6.42598E-05	0.090043575	2.15557E-06	7.23701E-05	0.000495984	0.00165174	0
2044 May	0.001014073	0.130021051	1.14895E-05	1.395301104	2.376180172	0.03442755	0.000367527	4.877727509	0.001313159	0.011636272	0.00025784	0.000141961	6.87506E-05	0.096330643	2.29789E-06	7.71766E-05	0.000531708	0.001761824	0
2044 Jun	0.000788843	0.107161015	9.43925E-06	1.121538758	1.900436997	0.029860495	0.000241353	3.801334381	0.001086626	0.009377168	0.000229674	0.000148984	5.69362E-05	0.07680399	1.88785E-06	5.97865E-05	0.000499378	0.001602046	0
2044 Jul	0.000827711	0.112460822	1.01637E-05	1.177060366	1.964771867	0.030515853	0.000245186	3.949087143	0.001154897	0.010005635	0.000233644	0.000166588	5.96144E-05	0.079520874	2.03275E-06	6.30724E-05	0.000532744	0.001759536	0
2044 Aug	0.000990898	0.134144276	1.21716E-05	1.407886028	2.345497847	0.036222827	0.000296015	4.727222919	0.00138058	0.01196296	0.000276759	0.000197379	7.12705E-05	0.095007792	2.43431E-06	7.54769E-05	0.000630841	0.002097449	0
2044 Sep	0.000934175	0.123645023	1.14374E-05	1.319390059	2.180598259	0.032451391	0.000298948	4.456505775	0.00128673	0.011225606	0.000243449	0.000174272	6.61981E-05	0.088659771	2.28748E-06	7.16496E-05	0.000561181	0.001922225	0
2044 Oct	0.000917257	0.119839139	1.11406E-05	1.284148693	2.120340586	0.030810731	0.000304774	4.358334541	0.001248045	0.011005541	0.00022893	0.000164149	6.37236E-05	0.086226761	2.22811E-06	7.08203E-05	0.000534193	0.001847982	0
2044 Nov	0.000921003	0.120005414	1.11676E-05	1.287052512	2.124716282	0.030719366	0.000308337	4.372531891	0.001249969	0.011047029	0.000227779	0.000163382	6.37207E-05	0.086408257	2.23351E-06	7.12061E-05	0.000532904	0.001847396	0
2044 Dec	0.000921809	0.12010216	1.11769E-05	1.288118839	2.126466036	0.030740699	0.000308666	4.376265526	0.001250982	0.011056606	0.000227925	0.000163488	6.37698E-05	0.0864795	2.23537E-06	7.12709E-05	0.000533282	0.001848805	0
2045 Jan	0.000921869	0.120113671	1.11768E-05	1.288215876	2.1267488	0.030747797	0.000308689	4.376692295	0.001251036	0.011056859	0.000227946	0.000163481	6.37715E-05	0.086490177	2.23536E-06	7.1274E-05	0.000533336	0.001848743	0
2045 Feb	0.000921952	0.12013334	1.11769E-05	1.288377523	2.127187729	0.030760039	0.000308694	4.377322197	0.001251151	0.011057266	0.000227999	0.000163489	6.37772E-05	0.086506844	2.23538E-06	7.12773E-05	0.000533451	0.001848758	0
2045 Mar	0.000923599	0.120352812	1.11964E-05	1.290704489	2.131123304	0.03082017	0.000309233	4.385271549	0.001253387	0.011076701	0.000228424	0.000163777	6.38911E-05	0.086666241	2.23928E-06	7.14029E-05	0.00053444	0.001851978	0
2045 Apr	0.000929459	0.121119216	1.12672E-05	1.298908114	2.144722462	0.031018691	0.000311188	4.413169861	0.00126134	0.011146796	0.000229884	0.000164814	6.42964E-05	0.0872189	2.25344E-06	7.1855E-05	0.000537852	0.001863682	0
2045 May	0.000968818	0.126249418	1.17442E-05	1.353918552	2.235577583	0.032333545	0.000324362	4.600082874	0.001314753	0.011618742	0.000239625	0.000171792	6.70193E-05	0.090913542	2.34884E-06	7.48973E-05	0.000560638	0.001942582	0
2045 Jun	0.000865196	0.113468014	1.08969E-05	1.214282393	1.964301109	0.028144432	0.000274539	4.057254314	0.001201989	0.010646617	0.000207263	0.000171955	6.00753E-05	0.080019556	2.17939E-06	6.74286E-05	0.000523589	0.001869317	0
2045 Jul	0.000871121	0.114556007	1.12168E-05	1.223734856	1.953654051	0.027762521	0.000266617	4.048816204	0.001225463	0.01087455	0.000203826	0.000183735	6.05067E-05	0.079674855	2.24336E-06	6.81035E-05	0.000538216	0.001959873	0
2045 Aug	0.000956755	0.12544015	1.23159E-05	1.343013883	2.14116931	0.030273981	0.000294794	4.447406292	0.001343957	0.011925437	0.000221832	0.000199891	6.63909E-05	0.087382011	2.46318E-06	7.47421E-05	0.000585294	0.002143196	0
2045 Sep	0.000963417	0.125470817	1.23718E-05	1.349693894	2.148553133	0.030023351	0.000303263	4.480016232	0.001347689	0.01198295	0.000218604	0.00019711	6.65355E-05	0.087770253	2.47435E-06	7.53948E-05	0.000578874	0.002136455	0
2045 Oct	0.000978918	0.127233461	1.25509E-05	1.369525909	2.18027854	0.030349871	0.000310128	4.549944401	0.00136655	0.012169784	0.000220613	0.000198943	6.7398E-05	0.08906664	2.51018E-06	7.66777E-05	0.000585271	0.002162835	0
2045 Nov	0.000984829	0.127994224	1.26261E-05	1.377740383	2.193360567	0.030528529	0.000312059	4.577355862	0.001374719	0.012243096	0.000221901	0.000200105	6.77988E-05	0.08960107	2.52522E-06	7.71428E-05	0.000588719	0.00217566	0
2045 Dec	0.000986107	0.12815623	1.26422E-05	1.379498243	2.196161509	0.030565633	0.000312496	4.58326292	0.001376458	0.012258892	0.000222165	0.000200343	6.78835E-05	0.089715503	2.52844E-06	7.7244E-05	0.000589437	0.002178355	0
2046 Jan	0.000986341	0.128188595	1.26447E-05	1.379832745	2.196763754	0.03057568	0.000312574	4.584432602	0.001376769	0.012261531	0.000222223	0.00020038	6.78985E-05	0.089739621	2.52895E-06	7.72615E-05	0.000589585	0.002178763	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.000986635	0.128231257	1.2648E-05	1.380266666	2.197547913	0.030589722	0.000312656	4.585923195	0.001377177	0.012264857	0.000222307	0.000200434	6.79187E-05	0.08977101	2.5296E-06	7.72829E-05	0.000589793	0.002179322	0
2046 Mar	0.000989406	0.128593788	1.26833E-05	1.384154916	2.203789473	0.030678319	0.000313529	4.598868847	0.001381043	0.012299118	0.000222941	0.000200994	6.81094E-05	0.090025641	2.53665E-06	7.7499E-05	0.000591467	0.002185393	0
2046 Apr	0.001001435	0.130158737	1.28373E-05	1.400991678	2.230625868	0.031052886	0.000317337	4.654824734	0.001397834	0.012448556	0.000225657	0.000203436	6.89375E-05	0.091121703	2.56746E-06	7.84408E-05	0.000598669	0.002211936	0
2046 May	0.001042219	0.135654867	1.33431E-05	1.459059596	2.326679468	0.032519411	0.000329699	4.849261761	0.001454916	0.012944084	0.000236753	0.000211653	7.1869E-05	0.095019534	2.66861E-06	8.15704E-05	0.000624613	0.002299364	0
2046 Jun	0.000903598	0.119272962	1.18137E-05	1.274686098	2.018837452	0.0286824	0.000270311	4.188262939	0.001285257	0.011386084	0.000210018	0.000198538	6.31548E-05	0.082421675	2.36275E-06	7.08333E-05	0.00056921	0.002090791	0
2046 Jul	0.000804358	0.10636545	1.073E-05	1.134328723	1.772894025	0.024938421	0.000231641	3.692620277	0.001156405	0.010267561	0.000182137	0.000185694	5.61481E-05	0.072461098	2.146E-06	6.31802E-05	0.000514723	0.001927356	0
2046 Aug	0.000863334	0.113834083	1.15086E-05	1.216428995	1.899154782	0.026585104	0.000250388	3.963988304	0.001239095	0.011001635	0.000193828	0.000197469	6.01987E-05	0.077669628	2.30172E-06	6.77523E-05	0.000547167	0.002059074	0
2046 Sep	0.00083923	0.109658577	1.11419E-05	1.179344535	1.838451385	0.025331292	0.000251309	3.856986523	0.001197295	0.010657407	0.000183076	0.000186606	5.81525E-05	0.075286411	2.22837E-06	6.60016E-05	0.000519109	0.001972827	0
2046 Oct	0.000824758	0.10696964	1.08788E-05	1.153112769	1.798879147	0.024434485	0.000253431	3.785063267	0.001167342	0.010449438	0.000175474	0.000178871	5.65043E-05	0.073662929	2.17576E-06	6.50698E-05	0.000500784	0.001911223	0
2046 Nov	0.00082621	0.107037403	1.08872E-05	1.154252172	1.800857067	0.024408013	0.000254852	3.790908813	0.001167991	0.010464179	0.000175111	0.000178504	5.65063E-05	0.073743477	2.17744E-06	6.52155E-05	0.000500249	0.001910421	0
2046 Dec	0.000827008	0.107137337	1.08974E-05	1.155341506	1.802562237	0.024429604	0.000255126	3.794546366	0.001169079	0.01047418	0.000175261	0.000178657	5.65581E-05	0.073813289	2.17948E-06	6.52793E-05	0.000500692	0.001912147	0
2047 Jan	0.00082713	0.107154816	1.08986E-05	1.155518055	1.802899957	0.024435678	0.000255167	3.795179844	0.001169236	0.01047548	0.000175292	0.000178673	5.65655E-05	0.0738267	2.17972E-06	6.52882E-05	0.000500772	0.001912329	0
2047 Feb	0.000827362	0.107188635	1.09012E-05	1.15586102	1.803517342	0.024446774	0.00025523	3.796351671	0.001169561	0.010478125	0.000175357	0.000178717	5.65813E-05	0.073851407	2.18025E-06	6.53051E-05	0.000500939	0.001912783	0
2047 Mar	0.000830328	0.107575081	1.09401E-05	1.160016418	1.810045958	0.024536764	0.000256141	3.810024261	0.001173754	0.010515539	0.000175994	0.000179355	5.67842E-05	0.074118435	2.18802E-06	6.55385E-05	0.000502751	0.001919597	0
2047 Apr	0.000834065	0.10806042	1.09892E-05	1.165243149	1.818227291	0.024648525	0.000257291	3.82720542	0.001179035	0.010562772	0.000176791	0.000180161	5.70398E-05	0.074453264	2.19784E-06	6.5833E-05	0.000505022	0.001928211	0
2047 May	0.00085244	0.111332811	1.11483E-05	1.195532203	1.882645845	0.026129244	0.000260548	3.934527397	0.001205433	0.010739955	0.000189544	0.000183617	5.88669E-05	0.076967552	2.22967E-06	6.69799E-05	0.000523111	0.001957037	0
2047 Jun	0.000820821	0.112199627	1.03224E-05	1.177212119	1.943603039	0.03024953	0.000235936	3.909803391	0.001166115	0.01006552	0.000230618	0.000176027	5.98529E-05	0.078802742	2.06448E-06	6.28853E-05	0.000544661	0.001824022	0
2047 Jul	0.000892959	0.122021072	1.12553E-05	1.280136228	2.110114098	0.032784026	0.00025576	4.247865677	0.001269629	0.010965213	0.000249863	0.000192366	6.50626E-05	0.085567199	2.25106E-06	6.84232E-05	0.000592643	0.001991327	0
2047 Aug	0.000962688	0.131286472	1.21351E-05	1.379650474	2.271895409	0.035189729	0.000277299	4.580278873	0.001367738	0.01181291	0.000267835	0.000206233	7.01027E-05	0.092170864	2.42702E-06	7.37632E-05	0.000635288	0.002141684	0
2047 Sep	0.0009477	0.128421992	1.19287E-05	1.355623245	2.227919102	0.03415836	0.000278837	4.509016514	0.001341639	0.011610405	0.000258718	0.000199375	6.87051E-05	0.090476982	2.38574E-06	7.27483E-05	0.000615437	0.002090519	0
2047 Oct	0.00092975	0.1253068	1.16609E-05	1.325081348	2.177093506	0.033066157	0.000278507	4.416805744	0.0013094	0.011379805	0.000249546	0.000192397	6.68635E-05	0.088421233	2.33219E-06	7.15575E-05	0.000596198	0.002032578	0
2047 Nov	0.000928787	0.125000581	1.1638E-05	1.322451591	2.172609329	0.03291687	0.000279498	4.410472393	0.001306279	0.011365256	0.000248183	0.000191371	6.66547E-05	0.088241272	2.32761E-06	7.15317E-05	0.000593621	0.002025733	0
2047 Dec	0.000929562	0.125101224	1.16475E-05	1.323529243	2.174376011	0.03294193	0.000279759	4.414116859	0.001307333	0.011374686	0.000248367	0.000191513	6.67074E-05	0.08831308	2.32951E-06	7.15924E-05	0.000594076	0.002027324	0
2048 Jan	0.000929896	0.125147358	1.16514E-05	1.324008107	2.175213099	0.032955665	0.000279863	4.415759563	0.001307788	0.011378568	0.000248457	0.000191573	6.67302E-05	0.088346742	2.33027E-06	7.16176E-05	0.000594292	0.002027967	0
2048 Feb	0.000930447	0.125224903	1.16579E-05	1.324810028	2.176600933	0.032978937	0.000280021	4.41847229	0.001308561	0.01138506	0.000248617	0.000191682	6.67696E-05	0.088402644	2.33158E-06	7.16588E-05	0.000594669	0.002029099	0
2048 Mar	0.000930554	0.125241175	1.1659E-05	1.324972272	2.176905632	0.032984763	0.000280049	4.419034004	0.001308711	0.011386238	0.000248652	0.000191702	6.67772E-05	0.088414766	2.33181E-06	7.16664E-05	0.00059475	0.002029295	0
2048 Apr	0.0009366	0.126061425	1.17341E-05	1.333614111	2.191240549	0.033206329	0.000281854	4.447930336	0.00131721	0.011459727	0.000250291	0.000192939	6.72108E-05	0.08899609	2.34681E-06	7.21295E-05	0.000598661	0.002042342	0
2048 May	0.000963392	0.129670903	1.20693E-05	1.371780157	2.254022121	0.034160014	0.000289909	4.57526207	0.001354888	0.011787282	0.000257465	0.000198454	6.91334E-05	0.09154544	2.41387E-06	7.41915E-05	0.000615811	0.002100694	0
2048 Jun	0.000880928	0.118769519	1.12232E-05	1.255922318	2.043982983	0.030797154	0.000258873	4.158425331	0.001250842	0.010903207	0.000231359	0.00018957	6.32288E-05	0.083086222	2.24464E-06	6.81211E-05	0.000572198	0.001980873	0
2048 Jul	0.000832861	0.112285994	1.07552E-05	1.186581612	1.914135695	0.028619735	0.000239545	3.906316519	0.00119022	0.010398465	0.000214516	0.000184883	5.96573E-05	0.077871419	2.15104E-06	6.45308E-05	0.000545081	0.001915938	0
2048 Aug	0.000862565	0.115874693	1.11347E-05	1.227642775	1.977206945	0.029393578	0.000250263	4.045702934	0.001230428	0.010751061	0.000219862	0.000189439	6.16959E-05	0.080499299	2.22695E-06	6.6783E-05	0.000558248	0.001974309	0
2048 Sep	0.000858169	0.114798144	1.10627E-05	1.219835639	1.962539792	0.028971251	0.000252606	4.025708199	0.001221014	0.010682554	0.000215938	0.000186136	6.11977E-05	0.079952955	2.21254E-06	6.65184E-05	0.000549381	0.001952292	0
2048 Oct	0.000846134	0.11277353	1.08778E-05	1.19973743	1.930226088	0.028306851	0.000252204	3.965646505	0.001199482	0.010523855	0.000210427	0.000181425	6.00094E-05	0.078639247	2.17555E-06	6.56963E-05	0.000536964	0.001912535	0
2048 Nov	0.000846892	0.112716928	1.08762E-05	1.199675083	1.930134177	0.028234098	0.000253624	3.967828512	0.001198881	0.010529904	0.000209671	0.000180788	5.99376E-05	0.078636549	2.17523E-06	6.57972E-05	0.000535654	0.001909543	0
2048 Dec	0.00084741	0.112783045	1.08826E-05	1.200388432	1.931281924	0.028249625	0.0002538	3.970230103	0.001199584	0.010536281	0.000209783	0.000180885	5.9972E-05	0.078683324	2.17652E-06	6.58382E-05	0.00053595	0.001910628	0
2049 Jan	0.000847525	0.112799428	1.08838E-05	1.200555086	1.931591988	0.028255077	0.000253838	3.97081852	0.001199736	0.010537546	0.000209813	0.000180902	5.99794E-05	0.078695685	2.17676E-06	6.58467E-05	0.000536026	0.001910817	0
2049 Feb	0.00084762	0.112814792	1.08847E-05	1.20070374	1.931888342	0.028261235	0.000253861	3.971342564	0.001199869	0.010538531	0.000209847	0.000180919	5.9986E-05	0.078707375	2.17695E-06	6.58531E-05	0.000536105	0.001910975	0
2049 Mar	0.000848521	0.112936184	1.08961E-05	1.201987743	1.933984876	0.028292904	0.000254127	3.975605965	0.001201143	0.010549623	0.000210076	0.000181109	6.00498E-05	0.078792587	2.17923E-06	6.59225E-05	0.000536685	0.001912975	0
2049 Apr	0.000853162	0.113554627	1.09556E-05	1.208565235	1.944585919	0.028448557	0.000255515	3.997370958	0.001207712	0.010607252	0.000211228	0.000182098	6.03781E-05	0.079224356	2.19113E-06	6.62827E-05	0.000539626	0.001923418	0
2049 May	0.000873034	0.116246521	1.12064E-05	1.236957431	1.99116087	0.029160528	0.000261339	4.091686249	0.001235863	0.0108514	0.000216612	0.000186313	6.18142E-05	0.081115603	2.24129E-06	6.78106E-05	0.000552562	0.001967501	0
2049 Jun	0.000806227	0.107783221	1.04704E-05	1.144959807	1.832876563	0.02687321	0.00023572	3.765815735	0.001150819	0.010102659	0.000199562	0.000178293	5.72681E-05	0.074688077	2.09409E-06	6.27531E-05	0.000519654	0.001860054	0
2049 Jul	0.000786717	0.105154663	1.02786E-05	1.116361976	1.77947998	0.025981504	0.000227454	3.662248611	0.001125859	0.009894501	0.000192809	0.000176297	5.5803E-05	0.072539367	2.05572E-06	6.12502E-05	0.000508205	0.001832809	0
2049 Aug	0.000843352	0.112621643	1.10161E-05	1.196175814	1.905989647	0.027786236	0.000244215	3.925284863	0.001206142	0.010601033	0.000206141	0.000188435	5.97853E-05	0.077709056	2.20323E-06	6.56313E-05	0.000543064	0.001961816	0
2049 Sep	0.000838556	0.111555278	1.09324E-05	1.18746841	1.891094327	0.027387992	0.000246085	3.902489901	0.001195842	0.010528308	0.000202544	0.000185196	5.92286E-05	0.077132069	2.18649E-06	6.53373E-05	0.000534773	0.001938824	0
2049 Oct	0.000828388	0.109812804	1.07698E-05	1.170258164	1.863897443	0.02681982	0.00024612	3.852095604	0.001177084	0.010391031	0.000197812	0.000180897	5.8201E-05	0.076024517	2.15396E-06	6.4647E-05	0.000523798	0.001903074	0
2049 Nov	0.000829635	0.109911121	1.07809E-05	1.171536684	1.865970254	0.026819622	0.000247009	3.857366323	0.001178124	0.010405023	0.000197719	0.000180816	5.82355E-05	0.076109365	2.15617E-06	6.47619E-05	0.000523815	0.001903835	0
2049 Dec	0.000830191	0.109982699	1.07879E-05	1.172306657	1.867197752	0.026836339	0.000247191	3.85993433	0.001178891	0.010411942	0.000197839	0.000180926	5.82728E-05	0.07615944	2.15758E-06	6.48058E-05	0.000524142	0.001905046	0
2050 Jan	0.000830358	0.110005625	1.07899E-05	1.172545075	1.867610216	0.026842993	0.000247243	3.860748768	0.00117912	0.010413906	0.000197881	0.000180957	5.8284E-05	0.076176055	2.15797E-06	6.48185E-05	0.00052425	0.001905374	0
2050 Feb	0.000830434	0.110017665	1.07906E-05	1.172662377	1.867840528	0.026847713	0.000247261	3.861159325	0.001179225	0.010414697	0.000197907	0.000180971	5.82892E-05	0.076185152	2.15812E-06	6.48236E-05	0.000524312	0.001905503	0
2050 Mar	0.000830596	0.110040344	1.07926E-05	1.172897816	1.868239641	0.026854215	0.000247307	3.861948252	0.001179456	0.010416654	0.00019795	0.000181004	5.83006E-05	0.076201268	2.15852E-06	6.48359E-05	0.000524422	0.001905852	0
2050 Apr	0.000833642	0.110444427	1.08321E-05	1.17720139	1.875108123	0.026953382	0.000248213	3.876125813	0.001183779	0.010454797	0.000198678	0.000181667	5.85143E-05	0.07648132	2.16642E-06	6.50734E-05	0.000526349	0.001912826	0
2050 May	0.000848306	0.112413347	1.10202E-05	1.198044538	1.908812165	0.027455157	0.00025251	3.944991589	0.001204612	0.010637043	0.000202433	0.000184846	5.95603E-05	0.07785251	2.20403E-06	6.62091E-05	0.000535811	0.001946059	0
2050 Jun	0.000813925	0.10871657	1.05926E-05	1.15423882	1.844160199	0.026935579	0.000237252	3.792804718	0.001161924	0.010218705	0.000199858	0.000180821	5.76433E-05	0.07514926	2.11851E-06	6.34043E-05	0.000524476	0.001884424	0
2050 Jul	0.000782577	0.104464576	1.02304E-05	1.108372808	1.764551044	0.025664868	0.000225959	3.635312319	0.001118756	0.009849363	0.000190396	0.000175372	5.53201E-05	0.07192786	2.04608E-06	6.09323E-05	0.00050405	0.001823906	0
2050 Aug	0.000815144	0.108702123	1.06514E-05	1.153385758	1.835507393	0.026649663	0.000235425	3.784429312	0.001164095	0.010251241	0.00019775	0.000182021	5.75555E-05	0.074827679	2.13029E-06	6.34066E-05	0.000522864	0.001895998	0
2050 Sep	0.000817061	0.108697169	1.06651E-05	1.155103087	1.837464213	0.026568694	0.000237982	3.793494225	0.00116489	0.010267402	0.000196745	0.000181128	5.75755E-05	0.074929893	2.13301E-06	6.36003E-05	0.000520873	0.001893387	0
2050 Oct	0.000825011	0.109678715	1.07629E-05	1.165798426	1.854522824	0.02678141	0.000240891	3.829827785	0.001175395	0.010365408	0.000198217	0.000182488	5.80757E-05	0.075625896	2.15259E-06	6.42392E-05	0.000525065	0.00190941	0
2050 Nov	0.000828725	0.110170312	1.08112E-05	1.171030998	1.862847924	0.026900686	0.000241992	3.847051382	0.001180662	0.010412014	0.000199097	0.000183298	5.83354E-05	0.075965397	2.16225E-06	6.45289E-05	0.000527404	0.001917938	0
2050 Dec	0.000829196	0.110231899	1.08173E-05	1.17168963	1.863896251	0.026915329	0.000242138	3.849232912	0.001181322	0.010417913	0.000199204	0.000183396	5.83677E-05	0.076008156	2.16346E-06	6.4566E-05	0.000527692	0.001918995	0
2051 Jan	0.000829355	0.110253461	1.08193E-05	1.17191577	1.864273429	0.026921155	0.000242186	3.849991322	0.001181544	0.010419842	0.000199243	0.000183428	5.83786E-05	0.076023422	2.16385E-06	6.45782E-05	0.000527794	0.001919333	0
2051 Feb	0.000829465	0.110269077	1.08206E-05	1.172075868	1.864551425	0.026925912	0.000242216	3.850530863	0.001181699	0.010421133	0.000199273	0.000183451	5.83863E-05	0.076034598	2.16411E-06	6.45863E-05	0.000527871	0.001919563	0
2051 Mar	0.000829949	0.110333972	1.08268E-05	1.172762513	1.865656495	0.026942274	0.000242356	3.852793694	0.001182388	0.010427166	0.000199392	0.000183557	5.84203E-05	0.076079585	2.16536E-06	6.46237E-05	0.000528183	0.001920669	0
2051 Apr	0.000834087	0.110884443	1.08807E-05	1.178611636	1.874968648	0.027076988	0.000243564	3.872013569	0.001188283	0.01047913	0.000200387	0.000184472	5.87116E-05	0.076459274	2.17615E-06	6.49458E-05	0.000530819	0.001930238	0
2051 May	0.000850649	0.11323683	1.10823E-05	1.202799439	1.916383028	0.027774803	0.000248014	3.952881813	0.001211923	0.010677527	0.000205877	0.000188028	5.99742E-05	0.078127712	2.21645E-06	6.6184E-05	0.000542522	0.001966106	0
2051 Jun	0.000789502	0.106861241	1.0209E-05	1.125839233	1.817522168	0.027362343	0.00022314	3.701781034	0.001130762	0.009859386	0.00020603	0.000177011	5.67481E-05	0.073904894	2.0418E-06	6.09887E-05	0.000520661	0.00182475	0
2051 Jul	0.000792058	0.107198186	1.02731E-05	1.129252791	1.819305539	0.027337465	0.000222777	3.708214045	0.001136005	0.009910611	0.000205731	0.000178772	5.69005E-05	0.073991738	2.05461E-06	6.12138E-05	0.000523123	0.001839802	0
2051 Aug	0.000807445	0.109014273	1.04687E-05	1.150130391	1.850985646	0.027704714	0.000228351	3.77959156	0.001156428	0.010090584	0.000208261	0.000180906	5.79332E-05	0.075316504	2.09374E-06	6.23583E-05	0.000529129	0.001868788	0
2051 Sep	0.000792025	0.106520921	1.02463E-05	1.125946999	1.81133306	0.026932295	0.000227107	3.705753803	0.00113072	0.009887677	0.000201869	0.000175401	5.65764E-05	0.073723421	2.04925E-06	6.12578E-05	0.000514162	0.00182169	0
2051 Oct	0.000753999	0.100650243	9.70008E-06	1.066528559	1.715787053	0.025172291	0.000221974	3.521612406	0.001068445	0.009396353	0.000187668	0.00016313	5.32665E-05	0.069840841	1.94002E-06	5.85182E-05	0.000480864	0.00171158	0
2051 Nov	0.000754547	0.100638822	9.70107E-06	1.066704392	1.716074586	0.025138386	0.00022278	3.523475885	0.001068329	0.009401325	0.000187301	0.000162818	5.32388E-05	0.069853246	1.94021E-06	5.85833E-05	0.000480251	0.001710292	0
2051 Dec	0.0007549	0.100684658	9.70552E-06	1.067194819	1.716863751	0.025149351	0.000222895	3.525115967	0.001068815	0.009405701	0.00018738	0.000162888	5.32627E-05	0.069885373	1.9411E-06	5.86111E-05	0.000480461	0.001711054	0
2052 Jan	0.00075495	0.100691721	9.70602E-06	1.067266345	1.716998339	0.025151752	0.000222911	3.525369883	0.00106888	0.009406236	0.000187394	0.000162895	5.32658E-05	0.06989073	1.9412E-06	5.86147E-05	0.000480494	0.001711133	0
2052 Feb	0.000755142	0.100718632	9.70834E-06	1.067544699	1.717473149	0.025159569	0.000222965	3.526304483	0.001069151	0.009408536	0.000187446	0.000162934	5.32794E-05	0.069909878	1.94167E-06	5.86292E-05	0.000480625	0.001711541	0
2052 Mar	0.000755991	0.100832522	9.71918E-06	1.068748116	1.719423771	0.025188616	0.000223214	3.530287743	0.001070353	0.009419058	0.000187659	0.000163117	5.33392E-05	0.069989182	1.94384E-06	5.86948E-05	0.00048117	0.00171345	0
2052 Apr	0.000757808	0.101075254	9.74249E-06	1.071318746	1.723567724	0.025249584	0.00022375	3.538783789	0.001072925	0.009441668	0.000188112	0.000163508	5.34674E-05	0.070157811	1.9485E-06	5.88357E-05	0.000482329	0.00171756	0
2052 May	0.000766956	0.102562204	9.8351E-06	1.085649371	1.751713872	0.025836213	0.000225744	3.588475704	0.001086002	0.009538867	0.000193041	0.000165318	5.4285E-05	0.071268447	1.96702E-06	5.94552E-05	0.000490229	0.001734141	0
2052 Jun	0.000764894	0.103306688	9.73865E-06	1.088167071	1.772311807	0.026764814	0.000221743	3.601800919	0.001085045	0.009466132	0.000201943	0.00016527	5.4785E-05	0.071985565	1.94773E-06	5.89922E-05	0.000497803	0.001721448	0
2052 Jul	0.000785645	0.105980955	1.00046E-05	1.11588788	1.815698028	0.027350899	0.000227225	3.694080114	0.001113193	0.009717957	0.000206497	0.000169308	5.61583E-05	0.073754385	2.00092E-06	6.05053E-05	0.000508802	0.00176588	0
2052 Aug	0.00080615	0.108620636	1.02642E-05	1.144396782	1.861083984	0.027981542	0.000233641	3.789731979	0.001141425	0.009965684	0.000211172	0.000173108	5.75832E-05	0.075614311	2.05284E-06	6.20567E-05	0.000520057	0.001808849	0
2052 Sep	0.000805368	0.108300395	1.02465E-05	1.142431378	1.857080579	0.027828768	0.000235007	3.785787106	0.001138795	0.009950879	0.000209692	0.00017193	5.74271E-05	0.075469956	2.0493E-06	6.20374E-05	0.000516977	0.001801842	0
2052 Oct	0.000806569	0.108339682	1.02537E-05	1.143277884	1.858403921	0.027793132	0.000236273	3.790356636	0.001139245	0.009963425	0.000209259	0.000171589	5.74172E-05	0.075525105	2.05074E-06	6.21634E-05	0.000516379	0.001801064	0
2052 Nov	0.000809241	0.108696297	1.02875E-05	1.147049546	1.864533901	0.027883716	0.000237074	3.802896023	0.001142995	0.009996396	0.000209938	0.000172146	5.76056E-05	0.075774245	2.0575E-06	6.23701E-05	0.000518063	0.001806964	0
2052 Dec	0.000809623	0.108746573	1.02923E-05	1.147583485	1.865401149	0.027896263	0.000237193	3.804679155	0.001143524	0.010001088	0.000210031	0.000172223	5.7632E-05	0.075809501	2.05846E-06	6.23997E-05	0.000518297	0.001807789	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.000809757	0.108764894	1.02939E-05	1.147774458	1.865724921	0.027901381	0.000237233	3.805324554	0.00114371	0.010002691	0.000210066	0.000172249	5.76413E-05	0.075822577	2.05878E-06	6.24099E-05	0.000518384	0.001808066	0
2053 Feb	0.000810095	0.108811118	1.02981E-05	1.148257732	1.866528392	0.027913969	0.00023733	3.806936979	0.001144186	0.0100068	0.000210157	0.000172319	5.76653E-05	0.075855121	2.05962E-06	6.24356E-05	0.000518606	0.001808802	0
2053 Mar	0.000811304	0.10897404	1.03134E-05	1.149974704	1.869328976	0.027956165	0.000237684	3.812634468	0.001145895	0.010021706	0.000210472	0.000172576	5.77514E-05	0.075968869	2.06269E-06	6.25287E-05	0.000519384	0.001811493	0
2053 Apr	0.000815068	0.109479889	1.03612E-05	1.155311227	1.878009558	0.028086163	0.000238786	3.83033061	0.001151211	0.010068181	0.00021145	0.000173376	5.80193E-05	0.076321602	2.07225E-06	6.28187E-05	0.000521795	0.001819891	0
2053 May	0.000826319	0.111691073	1.04394E-05	1.174941897	1.923137188	0.029211316	0.000240225	3.9014256	0.00116748	0.010163776	0.000221321	0.000175374	5.92716E-05	0.078065224	2.08789E-06	6.34509E-05	0.000534498	0.001834378	0
2053 Jun	0.000792735	0.108860686	9.87335E-06	1.136213422	1.890036821	0.029771868	0.000225474	3.784862518	0.001121902	0.009656018	0.00022881	0.000167949	5.79539E-05	0.076510616	1.97467E-06	6.03281E-05	0.00052683	0.001738967	0
2053 Jul	0.000818453	0.112425536	1.0197E-05	1.173147559	1.951317668	0.030748123	0.000232412	3.907163143	0.001158622	0.009971116	0.000236371	0.000173633	5.98466E-05	0.07898929	2.03941E-06	6.22754E-05	0.000544326	0.001796787	0
2053 Aug	0.000859517	0.118001126	1.07087E-05	1.23177588	2.048265696	0.032248452	0.000244374	4.102967739	0.001216423	0.010469124	0.000247842	0.000182059	6.28318E-05	0.082923047	2.14174E-06	6.53931E-05	0.000570681	0.001885616	0
2053 Sep	0.000886855	0.121721551	1.10492E-05	1.270905256	2.113087177	0.033255342	0.000252377	4.233584404	0.001254982	0.010801358	0.000255527	0.000187712	6.48234E-05	0.085552208	2.20985E-06	6.74772E-05	0.000588427	0.001944982	0
2053 Oct	0.000893784	0.122640774	1.11338E-05	1.280615687	2.129187822	0.033494193	0.000254577	4.266346455	0.001264483	0.010885327	0.000257321	0.000189035	6.53053E-05	0.086204618	2.22676E-06	6.80133E-05	0.000592675	0.001959369	0
2053 Nov	0.000893432	0.122557074	1.11274E-05	1.279867053	2.127893448	0.033457663	0.000254731	4.264313221	0.001263646	0.010880566	0.000256995	0.0001888	6.52522E-05	0.086152807	2.22549E-06	6.79963E-05	0.000592053	0.001957696	0
2053 Dec	0.000893644	0.122584812	1.113E-05	1.280161738	2.128381491	0.0334647	0.000254801	4.265313148	0.001263933	0.010883134	0.000257047	0.000188839	6.52666E-05	0.086172596	2.226E-06	6.80129E-05	0.000592179	0.001958126	0
2054 Jan	0.000893726	0.12259642	1.11309E-05	1.280280232	2.128595352	0.033468395	0.000254826	4.265723705	0.001264043	0.010884061	0.00025707	0.000188853	6.52722E-05	0.086181141	2.22618E-06	6.80189E-05	0.000592234	0.001958275	0
2054 Feb	0.000893909	0.122622602	1.1133E-05	1.280547738	2.129064083	0.033476502	0.000254876	4.266628742	0.001264301	0.010886199	0.000257127	0.00018889	6.52855E-05	0.086199969	2.22661E-06	6.80324E-05	0.000592363	0.00195865	0
2054 Mar	0.000893997	0.12263532	1.11341E-05	1.280677199	2.12929225	0.033480499	0.0002549	4.267066956	0.001264425	0.010887225	0.000257154	0.000188908	6.52918E-05	0.086209133	2.22681E-06	6.80389E-05	0.000592425	0.00195883	0
2054 Apr	0.000897585	0.123127855	1.11787E-05	1.285818815	2.137848616	0.033615261	0.000255922	4.284203053	0.0012695	0.010930893	0.000258188	0.000189665	6.55539E-05	0.086555503	2.23574E-06	6.83118E-05	0.000594805	0.001966684	0
2054 May	0.000910113	0.125017285	1.13189E-05	1.304664493	2.172378302	0.034264538	0.000259042	4.348450661	0.001287309	0.01107286	0.000263488	0.000192215	6.65789E-05	0.087932155	2.26378E-06	6.9208E-05	0.00060445	0.001991531	0
2054 Jun	0.000868534	0.120789722	1.06883E-05	1.252862811	2.111100435	0.034183629	0.000242588	4.184606552	0.00123065	0.01049161	0.000265463	0.000183577	6.44736E-05	0.085276447	2.13766E-06	6.55916E-05	0.000589416	0.001885477	0
2054 Jul	0.000861062	0.119836032	1.05911E-05	1.241739392	2.093343735	0.033943433	0.000239402	4.147768497	0.001219807	0.010394162	0.000263964	0.000182001	6.39419E-05	0.084544972	2.11822E-06	6.49289E-05	0.000584389	0.001868134	0
2054 Aug	0.000873933	0.121463604	1.07482E-05	1.259890199	2.122709513	0.034355726	0.00024389	4.210035801	0.001237225	0.010542634	0.000267	0.000183929	6.48676E-05	0.085755847	2.14964E-06	6.58848E-05	0.000590706	0.001892256	0
2054 Sep	0.000879141	0.12204387	1.08084E-05	1.267150044	2.134279728	0.034487791	0.000246451	4.236051559	0.001243807	0.010600157	0.000267816	0.000184293	6.52224E-05	0.086242348	2.16168E-06	6.62924E-05	0.00059235	0.001899846	0
2054 Oct	0.000873538	0.12114498	1.07257E-05	1.258160949	2.119800568	0.034207188	0.000245945	4.208633423	0.001234288	0.010527055	0.000265519	0.000182317	6.4709E-05	0.085654505	2.14515E-06	6.58972E-05	0.000587055	0.001882652	0
2054 Nov	0.000871913	0.120878935	1.06996E-05	1.25549686	2.115709305	0.034127206	0.000245888	4.200832844	0.001231364	0.010504765	0.000264865	0.000181654	6.45549E-05	0.085487247	2.13992E-06	6.57825E-05	0.000585411	0.001877009	0
2054 Dec	0.000872426	0.120948784	1.07059E-05	1.256226659	2.116936684	0.034146436	0.000246041	4.203289986	0.001232077	0.010510931	0.000265013	0.000181756	6.45919E-05	0.085536875	2.14117E-06	6.58215E-05	0.000585741	0.001878083	0
2055 Jan	0.000872482	0.12095689	1.07064E-05	1.256308794	2.117088795	0.034149148	0.000246059	4.203577995	0.001232152	0.010511552	0.000265029	0.000181764	6.45957E-05	0.08554294	2.14129E-06	6.58256E-05	0.00058578	0.001878179	0
2055 Feb	0.000872523	0.120963447	1.07068E-05	1.256371975	2.117215395	0.034151804	0.000246068	4.203800678	0.001232208	0.010511968	0.000265045	0.000181772	6.45986E-05	0.085547931	2.14137E-06	6.58283E-05	0.000585814	0.001878246	0
2055 Mar	0.000872856	0.121010102	1.07109E-05	1.256853819	2.118038416	0.034165408	0.000246161	4.205419064	0.001232678	0.010515937	0.000265148	0.00018184	6.46232E-05	0.085581109	2.14217E-06	6.58533E-05	0.000586041	0.001878951	0
2055 Apr	0.000875486	0.121375099	1.07431E-05	1.260643244	2.124430656	0.034268711	0.000246902	4.218101978	0.001236393	0.010547607	0.000265948	0.000182388	6.48179E-05	0.085839354	2.14862E-06	6.60516E-05	0.000587809	0.001884607	0
2055 May	0.000886865	0.122952752	1.08827E-05	1.277028561	2.152045727	0.034714244	0.000250111	4.272928238	0.001252462	0.010684686	0.000269405	0.000184758	6.56604E-05	0.086955152	2.17654E-06	6.691E-05	0.00059545	0.001909099	0
2055 Jun	0.000842287	0.117031753	1.03779E-05	1.214330196	2.043646812	0.033031803	0.000234997	4.054954052	0.001193439	0.010175979	0.000256481	0.000177982	6.24864E-05	0.082572438	2.07558E-06	6.35719E-05	0.000569995	0.001829554	0
2055 Jul	0.000842824	0.11719697	1.03995E-05	1.215326428	2.044218063	0.033063661	0.00023394	4.055390835	0.001195418	0.010191008	0.000256863	0.000178959	6.25599E-05	0.082593031	2.07991E-06	6.35919E-05	0.000571641	0.001836272	0
2055 Aug	0.000875025	0.121600516	1.07965E-05	1.261291146	2.120886087	0.034271862	0.000243084	4.209399223	0.001240584	0.010577538	0.000266222	0.000185472	6.49172E-05	0.085698694	2.1593E-06	6.60042E-05	0.000592307	0.001904831	0
2055 Sep	0.000877348	0.121750176	1.08237E-05	1.26419723	2.124612808	0.034258202	0.000244931	4.22062397	0.001243031	0.01060244	0.000265851	0.000185252	6.50335E-05	0.085878082	2.16473E-06	6.62079E-05	0.000591807	0.001906644	0
2055 Oct	0.000882121	0.12235412	1.08796E-05	1.270675302	2.13539362	0.034405358	0.000246674	4.242973804	0.001249251	0.010659489	0.000266919	0.000186006	6.53423E-05	0.08630766	2.17591E-06	6.65845E-05	0.000594393	0.001915608	0
2055 Nov	0.000884121	0.122616187	1.09035E-05	1.273451686	2.140031099	0.034473013	0.000247343	4.252435684	0.001251941	0.010683499	0.000267424	0.000186361	6.54787E-05	0.086495399	2.18069E-06	6.67399E-05	0.000595574	0.00191958	0
2055 Dec	0.000884403	0.122653261	1.09068E-05	1.273843884	2.14068675	0.034482662	0.000247436	4.253770351	0.001252322	0.010686882	0.000267497	0.000186411	6.5498E-05	0.086521924	2.18137E-06	6.67617E-05	0.000595742	0.001920144	0
2056 Jan	0.000884553	0.122674525	1.09085E-05	1.27406168	2.141072273	0.034489233	0.00024748	4.254516125	0.001252529	0.010688619	0.000267542	0.000186439	6.55086E-05	0.086537391	2.18171E-06	6.67729E-05	0.000595844	0.001920436	0
2056 Feb	0.000884681	0.122693613	1.091E-05	1.27425313	2.141421556	0.034495708	0.000247513	4.255170822	0.001252709	0.010690067	0.000267585	0.000186464	6.5518E-05	0.086551346	2.182E-06	6.67821E-05	0.000595939	0.001920685	0
2056 Mar	0.000885157	0.122760236	1.09158E-05	1.274941206	2.142593384	0.034515042	0.000247645	4.257477776	0.001253382	0.010695755	0.000267731	0.000186563	6.55531E-05	0.086598597	2.18315E-06	6.68177E-05	0.000596265	0.001921701	0
2056 Apr	0.000888425	0.123213947	1.0956E-05	1.279651284	2.150517225	0.034642946	0.000248558	4.273211002	0.00125801	0.010735219	0.000268721	0.000187252	6.57951E-05	0.086918816	2.1912E-06	6.70643E-05	0.000598469	0.001928788	0
2056 May	0.000900174	0.12524797	1.10627E-05	1.298693657	2.190128803	0.035529379	0.000250792	4.34033823	0.001274818	0.010851674	0.000276312	0.000189472	6.69257E-05	0.088469565	2.21253E-06	6.78145E-05	0.00060954	0.001947928	0
2056 Jun	0.000865872	0.122063175	1.05034E-05	1.25753057	2.149109364	0.035816725	0.000236727	4.214707851	0.001227607	0.010346036	0.000281273	0.000181733	6.53905E-05	0.086621821	2.10067E-06	6.47113E-05	0.000599117	0.001852452	0
2056 Jul	0.000900609	0.126934201	1.09284E-05	1.307525754	2.233812571	0.037211649	0.000245922	4.381883621	0.001276729	0.01076176	0.000292278	0.000189057	6.79859E-05	0.090037793	2.18567E-06	6.72854E-05	0.000622669	0.001927227	0
2056 Aug	0.000925937	0.130374908	1.12356E-05	1.343421698	2.293968916	0.038158111	0.000253147	4.503180981	0.00131175	0.011060036	0.000299677	0.000193841	6.98353E-05	0.092475541	2.24713E-06	6.91478E-05	0.000638157	0.001978853	0
2056 Sep	0.000946451	0.133175507	1.14823E-05	1.372754216	2.343655586	0.038945511	0.000259355	4.602379799	0.001340198	0.011304145	0.000305742	0.000197782	7.13323E-05	0.094484523	2.29645E-06	7.07006E-05	0.000651313	0.002020939	0
2056 Oct	0.000938046	0.131821945	1.13727E-05	1.359409809	2.320461035	0.038481813	0.000258226	4.559607029	0.001326781	0.011202539	0.000301892	0.000195321	7.05682E-05	0.093553305	2.27454E-06	7.01219E-05	0.000643702	0.001999186	0
2056 Nov	0.000937981	0.131772697	1.13701E-05	1.359044552	2.319740772	0.038451485	0.000258484	4.558845043	0.001326333	0.011201476	0.000301605	0.000195142	7.05327E-05	0.093525179	2.27403E-06	7.01286E-05	0.000643229	0.001998154	0
2056 Dec	0.000938358	0.131824359	1.13747E-05	1.359582305	2.320655107	0.038466014	0.000258597	4.560664177	0.001326855	0.011205973	0.000301717	0.000195214	7.056E-05	0.093562074	2.27493E-06	7.01572E-05	0.000643473	0.001998928	0
2057 Jan	0.000938516	0.131846696	1.13765E-05	1.359810591	2.321059227	0.038472947	0.000258642	4.561444283	0.001327072	0.011207791	0.000301767	0.000195244	7.05714E-05	0.093578272	2.27529E-06	7.01689E-05	0.000643581	0.001999236	0
2057 Feb	0.000938621	0.131862417	1.13776E-05	1.359967709	2.321347952	0.038478348	0.000258669	4.561983109	0.00132722	0.01120897	0.000301804	0.000195265	7.05792E-05	0.09358979	2.27552E-06	7.01763E-05	0.00064366	0.001999438	0
2057 Mar	0.000939542	0.131992444	1.13887E-05	1.36130619	2.323643684	0.038516741	0.000258922	4.566479206	0.001328523	0.011219936	0.000302102	0.000195456	7.06484E-05	0.093682282	2.27775E-06	7.02451E-05	0.000644296	0.00200139	0
2057 Apr	0.000943222	0.132509723	1.14333E-05	1.366639495	2.332753658	0.038667943	0.000259936	4.584372997	0.001333726	0.011263859	0.000303286	0.000196221	7.09251E-05	0.094049528	2.28666E-06	7.05201E-05	0.000646821	0.002009222	0
2057 May	0.000959307	0.134866729	1.16193E-05	1.390458703	2.375205755	0.039429836	0.000264112	4.665084362	0.001356526	0.011449959	0.000309423	0.000199514	7.21972E-05	0.095749356	2.32386E-06	7.16905E-05	0.000658622	0.002042022	0
2057 Jun	0.000914231	0.129605249	1.10164E-05	1.330852747	2.288346052	0.038573854	0.00024764	4.467416763	0.001295808	0.01087394	0.000304303	0.000191248	6.94715E-05	0.092136875	2.20328E-06	6.80323E-05	0.000637693	0.001942868	0
2057 Jul	0.000937682	0.132949933	1.13087E-05	1.364956379	2.345980883	0.039542522	0.000253442	4.580276012	0.001329623	0.011158389	0.000311977	0.000196587	7.12544E-05	0.094459124	2.26173E-06	6.97729E-05	0.000654462	0.001995768	0
2057 Aug	0.001000377	0.14180252	1.2065E-05	1.45602262	2.502156019	0.042159248	0.00027051	4.886121273	0.001418313	0.011903407	0.000332602	0.000209585	7.60037E-05	0.100751698	2.41299E-06	7.44327E-05	0.000697677	0.002128546	0
2057 Sep	0.00101808	0.144226953	1.2277E-05	1.481435895	2.545351505	0.042849712	0.000275869	4.972170353	0.001442894	0.012113144	0.000337932	0.000212963	7.73067E-05	0.102498375	2.45541E-06	7.57683E-05	0.000709062	0.002164645	0
2057 Oct	0.001017694	0.144077972	1.22684E-05	1.480240822	2.543050289	0.042767879	0.000276405	4.969214439	0.001441525	0.012107981	0.000337173	0.0002125	7.72057E-05	0.102407977	2.45369E-06	7.57667E-05	0.000707789	0.002161786	0
2057 Nov	0.001020333	0.144438848	1.22997E-05	1.483993649	2.549464226	0.042869933	0.000277208	4.981955051	0.001445152	0.0121393	0.000337962	0.000213	7.73962E-05	0.102666572	2.45994E-06	7.59668E-05	0.000709489	0.002167116	0
2057 Dec	0.00102082	0.144506499	1.23055E-05	1.484693289	2.550662994	0.042889498	0.000277349	4.984318256	0.00144583	0.012145086	0.000338114	0.000213096	7.74322E-05	0.102714866	2.46111E-06	7.60035E-05	0.000709814	0.002168123	0
2058 Jan	0.001020857	0.144511908	1.23059E-05	1.484747171	2.550767899	0.042891473	0.000277361	4.984511852	0.001445878	0.01214547	0.000338126	0.000213101	7.74345E-05	0.102719024	2.46118E-06	7.60061E-05	0.000709839	0.002168177	0
2058 Feb	0.00102092	0.144521788	1.23065E-05	1.484844089	2.55095315	0.042895131	0.000277376	4.984848022	0.001445967	0.012146158	0.000338149	0.000213113	7.74393E-05	0.10272637	2.46131E-06	7.60105E-05	0.000709889	0.002168292	0
2058 Mar	0.001021238	0.144567251	1.23103E-05	1.485308766	2.551761389	0.042909026	0.000277462	4.986413956	0.001446417	0.0121499	0.000338256	0.000213179	7.74633E-05	0.102758862	2.46206E-06	7.6034E-05	0.000710114	0.002168957	0
2058 Apr	0.001023769	0.144925892	1.23408E-05	1.488992095	2.558095217	0.043015696	0.000278149	4.998782158	0.001450002	0.012179998	0.000339095	0.000213707	7.76553E-05	0.103013881	2.46816E-06	7.62223E-05	0.000711876	0.002174327	0
2058 May	0.001035028	0.147023425	1.24294E-05	1.508017659	2.600100279	0.044020697	0.000279892	5.066928864	0.001466198	0.012282579	0.000347836	0.00021576	7.88337E-05	0.104645185	2.48589E-06	7.68923E-05	0.000723663	0.002190482	0
2058 Jun	0.000959342	0.138450384	1.13358E-05	1.409200311	2.467771053	0.043040123	0.000253163	4.750394344	0.001361121	0.011261269	0.000343516	0.000199452	7.44587E-05	0.09906809	2.26717E-06	7.05698E-05	0.000688518	0.002002538	0
2058 Jul	0.000985483	0.142270908	1.16476E-05	1.447718263	2.53521204	0.04423517	0.000259574	4.879504204	0.00139857	0.011569245	0.000353142	0.000205138	7.65092E-05	0.10177213	2.32952E-06	7.24739E-05	0.000707775	0.002058479	0
2058 Aug	0.001022644	0.147548631	1.20876E-05	1.501770139	2.629029751	0.045834914	0.000269601	5.062247753	0.001450784	0.012003326	0.00036588	0.00021255	7.93533E-05	0.105547436	2.41751E-06	7.51929E-05	0.000733174	0.002134646	0
2058 Sep	0.001021952	0.147218585	1.20747E-05	1.499566317	2.624021053	0.045645051	0.000270925	5.056891918	0.001448242	0.011993998	0.000364074	0.000211548	7.91614E-05	0.105360985	2.41493E-06	7.51994E-05	0.000730171	0.002129084	0
2058 Oct	0.001019017	0.146619916	1.20338E-05	1.494092464	2.613873482	0.045388386	0.000271305	5.040239334	0.001442625	0.011959121	0.000361821	0.000210272	7.88013E-05	0.104958318	2.40677E-06	7.50346E-05	0.000726228	0.002119506	0
2058 Nov	0.001021248	0.146920353	1.20595E-05	1.497226954	2.619290829	0.045473069	0.000272034	5.051024914	0.001445613	0.011985252	0.000362472	0.000210654	7.89583E-05	0.105176397	2.41189E-06	7.52049E-05	0.000727603	0.002123741	0
2058 Dec	0.001021479	0.146952271	1.20622E-05	1.497557163	2.619863749	0.045482386	0.000272105	5.052153111	0.001445929	0.011987966	0.000362545	0.000210696	7.89752E-05	0.105199449	2.41243E-06	7.52223E-05	0.000727753	0.002124195	0
2059 Jan	0.001021502	0.146955729	1.20623E-05	1.497590899	2.619934797	0.04548379	0.000272113	5.052278996	0.001445957	0.011988183	0.000362552	0.000210698	7.89765E-05	0.105202228	2.41247E-06	7.52239E-05	0.000727769	0.002124219	0
2059 Feb	0.001021566	0.146965832	1.2063E-05	1.497689486	2.620125532	0.045487627	0.000272128	5.052622318	0.001446047	0.011988868	0.000362577	0.00021071	7.89813E-05	0.105209775	2.4126E-06	7.52283E-05	0.000727821	0.002124332	0
2059 Mar	0.001021601	0.14697127	1.20633E-05	1.497742653	2.620228291	0.045489706	0.000272137	5.052807331	0.001446096	0.011989237	0.00036259	0.000210717	7.89839E-05	0.105213843	2.41267E-06	7.52307E-05	0.000727848	0.002124394	0
2059 Apr	0.00102453	0.147393033	1.20979E-05	1.502039313	2.627750635	0.04562046	0.000272917	5.067305565	0.001450242	0.012023598	0.000363631	0.00021132	7.92104E-05	0.105515867	2.41958E-06	7.54463E-05	0.000729938	0.00213048	0
2059 May	0.001037986	0.14957954	1.22334E-05	1.523087859	2.66916728	0.046484303	0.000275847	5.140416145	0.001469417	0.012165935	0.000370899	0.000213949	8.04122E-05	0.107149772	2.44668E-06	7.63537E-05	0.000741497	0.002154612	0
2059 Jun	0.001031184	0.14973098	1.20562E-05	1.519067883	2.681851387	0.047346324	0.000270833	5.134966373	0.001460845	0.012021693	0.000379468	0.000212234	8.06077E-05	0.107530989	2.41125E-06	7.54903E-05	0.000745858	0.002125776	0
2059 Jul	0.00109458	0.158924013	1.28021E-05	1.612332225	2.845861435	0.050230846	0.000287345	5.449589729	0.00155081	0.012763469	0.000402576	0.000225422	8.55512E-05	0.114109561	2.56041E-06	8.01341E-05	0.000791673	0.002257655	0
2059 Aug	0.001152187	0.167246088	1.34764E-05	1.696968198	2.994832993	0.052842416	0.000302608	5.735901833	0.00163221	0.013434328	0.000423482	0.000237136	9.00362E-05	0.120087691	2.69528E-06	8.43473E-05	0.000832743	0.002375841	0
2059 Sep	0.001166889	0.169219762	1.36456E-05	1.717801094	3.030749798	0.053404689	0.000307505	5.807698727	0.001651981	0.013605167	0.000427787	0.000239581	9.10893E-05	0.121538341	2.72911E-06	8.54638E-05	0.000841633	0.002403424	0
2059 Oct	0.00112396	0.162443206	1.3126E-05	1.650964499	2.910897255	0.051041834	0.000299768	5.587174892	0.001586741	0.013104169	0.000408225	0.00022873	8.73237E-05	0.116747789	2.6252E-06	8.24808E-05	0.000804921	0.002304618	0
2059 Nov	0.001122484	0.1621425	1.3106E-05	1.648219109	2.905750513	0.050911717	0.00029994	5.578747749	0.001583949	0.01308688	0.000407083	0.000228106	8.71433E-05	0.116543852	2.6212E-06	8.23979E-05	0.000802953	0.002299946	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.001122686	0.162170187	1.31083E-05	1.648505926	2.906250477	0.050919771	0.000300004	5.579734325	0.001584222	0.013089236	0.000407146	0.000228142	8.71578E-05	0.116563953	2.62166E-06	8.24132E-05	0.000803081	0.002300331	0
2060 Jan	0.001122852	0.162194341	1.31102E-05	1.648749828	2.90669322	0.050927714	0.000300051	5.580573559	0.001584452	0.013091116	0.000407204	0.000228172	8.71702E-05	0.116581641	2.62203E-06	8.24253E-05	0.0008032	0.002300645	0
2060 Feb	0.001123028	0.162220731	1.31121E-05	1.6490134	2.907177925	0.050936777	0.000300096	5.581476688	0.001584699	0.013093095	0.00040727	0.000228207	8.71837E-05	0.11660096	2.62242E-06	8.24379E-05	0.000803332	0.002300985	0
2060 Mar	0.001123598	0.162303641	1.31187E-05	1.649853706	2.908670187	0.050963238	0.000300247	5.584327221	0.001585504	0.013099705	0.000407479	0.000228322	8.72279E-05	0.116660744	2.62374E-06	8.24795E-05	0.000803744	0.002302142	0
2060 Apr	0.001128217	0.162971109	1.31726E-05	1.656637073	2.920635223	0.051173057	0.000301481	5.607290745	0.001592021	0.013153531	0.000409154	0.00022926	8.75864E-05	0.117140606	2.63452E-06	8.28185E-05	0.00080705	0.002311599	0
2060 May	0.001134722	0.164616674	1.31815E-05	1.669892788	2.957021713	0.052216455	0.000301407	5.658199787	0.001601486	0.013184864	0.000418564	0.000230129	8.85453E-05	0.118518047	2.6363E-06	8.30596E-05	0.000817228	0.002313765	0
2060 Jun	0.001091778	0.159876406	1.25487E-05	1.614484191	2.885459423	0.051793143	0.000285965	5.481958389	0.001541895	0.012597585	0.000417357	0.000220786	8.61416E-05	0.115479946	2.50974E-06	7.94342E-05	0.000798284	0.002205078	0
2060 Jul	0.001154991	0.169139072	1.32785E-05	1.707919955	3.052110672	0.054783575	0.000302322	5.798687458	0.001631341	0.013328735	0.000441472	0.00023371	9.11277E-05	0.12214981	2.65569E-06	8.40302E-05	0.000844615	0.002333742	0
2060 Aug	0.001183222	0.173091739	1.36072E-05	1.749156237	3.123886108	0.055995401	0.000310606	5.939565182	0.001670606	0.013652178	0.000451037	0.000238821	9.33051E-05	0.125048846	2.72144E-06	8.6091E-05	0.000862944	0.00238859	0
2060 Sep	0.001147755	0.167402551	1.32022E-05	1.695474505	3.023947239	0.053992558	0.000304538	5.760676861	0.001618499	0.0132379	0.000434207	0.000229871	9.03464E-05	0.121112227	2.64044E-06	8.35979E-05	0.000831271	0.00230969	0
2060 Oct	0.00113898	0.16594401	1.30876E-05	1.681274533	2.998954058	0.053473558	0.000303615	5.715408802	0.001604203	0.013132098	0.000429854	0.000227164	8.95184E-05	0.120111495	2.61752E-06	8.30054E-05	0.000822851	0.002286393	0
2060 Nov	0.00113528	0.165341318	1.304E-05	1.67537117	2.988563061	0.053262509	0.000303135	5.696428776	0.001598298	0.01308771	0.000428094	0.000226082	8.91787E-05	0.119695313	2.608E-06	8.27523E-05	0.000819438	0.002276909	0
2060 Dec	0.001135809	0.165416747	1.30461E-05	1.676141262	2.98993063	0.05328612	0.000303287	5.699062824	0.00159903	0.013093814	0.000428282	0.000226182	8.9219E-05	0.119750127	2.60921E-06	8.27913E-05	0.000819803	0.002277941	0
2061 Jan	0.001135867	0.165425226	1.30466E-05	1.676225662	2.990093231	0.053289179	0.000303304	5.699363232	0.001599106	0.013094421	0.000428302	0.00022619	8.9223E-05	0.119756572	2.60932E-06	8.27954E-05	0.000819844	0.002278031	0
2061 Feb	0.00113592	0.165433869	1.30471E-05	1.676308632	2.990260601	0.053292714	0.000303316	5.69965601	0.00159918	0.01309496	0.000428324	0.000226199	8.92269E-05	0.119763158	2.60942E-06	8.27989E-05	0.000819889	0.002278117	0
2061 Mar	0.001136224	0.165478632	1.30505E-05	1.676759839	2.991075516	0.053307541	0.000303396	5.70119524	0.001599607	0.013098424	0.00042844	0.000226259	8.92507E-05	0.11979574	2.61011E-06	8.28209E-05	0.000820111	0.002278715	0
2061 Apr	0.001140505	0.166102543	1.30997E-05	1.683080316	3.002356291	0.053508762	0.000304539	5.722689629	0.001605635	0.013147765	0.000430055	0.000227111	8.9587E-05	0.120247513	2.61994E-06	8.31329E-05	0.000823204	0.002287296	0
2061 May	0.001147201	0.167737186	1.31126E-05	1.696453333	3.038454294	0.054527711	0.00030469	5.773974895	0.001615269	0.013182358	0.000439213	0.000227961	9.05406E-05	0.121617749	2.62253E-06	8.33982E-05	0.000833147	0.002289856	0
2061 Jun	0.001069241	0.157713458	1.20979E-05	1.588515878	2.869505167	0.052262619	0.000280343	5.417177677	0.001506519	0.012204403	0.000422911	0.000211853	8.52759E-05	0.114703082	2.41958E-06	7.72865E-05	0.000787581	0.002114605	0
2061 Jul	0.001125995	0.166065753	1.2744E-05	1.672539592	3.020638227	0.05500304	0.000295003	5.703246117	0.001586485	0.012853727	0.000445115	0.000223176	8.97824E-05	0.120746151	2.5488E-06	8.13782E-05	0.000829111	0.002227609	0
2061 Aug	0.001184414	0.174635023	1.3406E-05	1.758994699	3.176297426	0.057817567	0.000310405	5.998288631	0.001668522	0.01351979	0.000467881	0.000234604	9.44159E-05	0.126972854	2.68119E-06	8.55929E-05	0.000871451	0.002342551	0
2061 Sep	0.001198101	0.176537797	1.3561E-05	1.778858423	3.21131587	0.058404393	0.000314703	6.066784382	0.001687224	0.013675906	0.000472481	0.000236938	9.5451E-05	0.128383577	2.71221E-06	8.66081E-05	0.000880264	0.002368077	0
2061 Oct	0.00115697	0.170032606	1.30852E-05	1.714876652	3.093926668	0.05606715	0.000306663	5.852484226	0.001625923	0.013208117	0.000453077	0.000227298	9.18409E-05	0.123704568	2.61703E-06	8.37671E-05	0.000845499	0.00227948	0
2061 Nov	0.001147379	0.168469459	1.29731E-05	1.699654222	3.065810442	0.055487562	0.000305076	5.801887512	0.001611277	0.013099221	0.000448221	0.000224893	9.09645E-05	0.122585259	2.59462E-06	8.31185E-05	0.000836919	0.002258061	0
2061 Dec	0.001147753	0.168522596	1.29773E-05	1.700196862	3.066781521	0.055504311	0.000305187	5.80375576	0.001611789	0.0131035	0.000448355	0.00022496	9.09928E-05	0.122624144	2.59546E-06	8.31461E-05	0.000837174	0.002258768	0
2062 Jan	0.001147882	0.168541685	1.29787E-05	1.700387836	3.067138195	0.05551092	0.000305223	5.804421425	0.001611965	0.01310492	0.000448402	0.000224982	9.10024E-05	0.122638345	2.59573E-06	8.31554E-05	0.000837267	0.002258996	0
2062 Feb	0.001148055	0.16856803	1.29805E-05	1.700649023	3.067629337	0.055520382	0.000305267	5.805323601	0.001612207	0.013106818	0.000448472	0.000225015	9.10159E-05	0.122657858	2.5961E-06	8.31675E-05	0.0008374	0.002259315	0
2062 Mar	0.001149367	0.168761283	1.29953E-05	1.702595949	3.07115221	0.055584453	0.000305615	5.811975956	0.00161405	0.01312176	0.000448986	0.000225271	9.11199E-05	0.122798651	2.59906E-06	8.32624E-05	0.000838361	0.002261886	0
2062 Apr	0.001154088	0.169454649	1.30486E-05	1.709589839	3.08377409	0.055813074	0.000306869	5.835854053	0.001620678	0.013175626	0.00045083	0.000226196	9.1494E-05	0.123303294	2.60972E-06	8.36042E-05	0.000841806	0.002271168	0
2062 May	0.001167431	0.171414047	1.31995E-05	1.729356885	3.119433165	0.056458548	0.000310417	5.90333271	0.001639417	0.013327952	0.000456044	0.000228811	9.25519E-05	0.124729089	2.63989E-06	8.45708E-05	0.00085154	0.002297425	0
2062 Jun	0.001113613	0.163553134	1.26525E-05	1.650107265	2.969787121	0.053695563	0.000294309	5.622860432	0.001567683	0.012755695	0.000433488	0.000220882	8.82753E-05	0.118767254	2.53051E-06	8.07836E-05	0.000815165	0.002211147	0
2062 Jul	0.001099325	0.161439151	1.25248E-05	1.6286695	2.927075386	0.052876297	0.000289398	5.544512749	0.001549316	0.012614067	0.000426798	0.000219368	8.71029E-05	0.117072135	2.50495E-06	7.97852E-05	0.000805577	0.002192993	0
2062 Aug	0.001111053	0.162900001	1.26639E-05	1.644915819	2.953523159	0.053243179	0.00029349	5.601093769	0.001564728	0.01274484	0.000429557	0.00022085	8.79357E-05	0.118163221	2.53279E-06	8.06268E-05	0.000810658	0.002213105	0
2062 Sep	0.00109913	0.16087319	1.25222E-05	1.625927329	2.918098688	0.052484777	0.000292192	5.53908205	0.001546088	0.012605636	0.000423101	0.000217401	8.68364E-05	0.116765276	2.50444E-06	7.98259E-05	0.000798852	0.002184146	0
2062 Oct	0.001026486	0.149497166	1.16623E-05	1.513493896	2.714858055	0.048503939	0.00027795	5.164836407	0.001437366	0.011766693	0.000390213	0.00019996	8.0537E-05	0.108648367	2.33246E-06	7.47575E-05	0.000738038	0.00202325	0
2062 Nov	0.001028011	0.14965117	1.16773E-05	1.515290976	2.717876911	0.048527308	0.00027881	5.171684265	0.001438939	0.011784	0.000390325	0.000199998	8.06055E-05	0.108770944	2.33545E-06	7.48882E-05	0.000738418	0.002024918	0
2062 Dec	0.001028382	0.14970386	1.16814E-05	1.515829086	2.718836546	0.048543844	0.000278918	5.173532486	0.001439448	0.011788256	0.000390457	0.000200065	8.06336E-05	0.108809389	2.33629E-06	7.49156E-05	0.000738671	0.002025627	0
2063 Jan	0.00102849	0.14971976	1.16826E-05	1.515989065	2.719133139	0.048549268	0.000278949	5.174088955	0.001439596	0.011789458	0.000390496	0.000200084	8.06416E-05	0.108821206	2.33652E-06	7.49234E-05	0.000738748	0.002025821	0
2063 Feb	0.001028627	0.149740472	1.16841E-05	1.51619494	2.719517946	0.048556589	0.000278985	5.174799919	0.001439787	0.011790969	0.00039055	0.00020011	8.06522E-05	0.1088365 17	2.33681E-06	7.49331E-05	0.000738852	0.002026074	0
2063 Mar	0.001028894	0.149779797	1.16871E-05	1.516590953	2.72023654	0.048569664	0.000279056	5.176156044	0.001440161	0.011794001	0.000390652	0.000200161	8.06731E-05	0.108865231	2.33741E-06	7.49524E-05	0.000739047	0.002026592	0
2063 Apr	0.001031088	0.150099352	1.17119E-05	1.519825459	2.726043224	0.048673481	0.000279651	5.187198162	0.001443231	0.011819127	0.000391485	0.000200588	8.0845E-05	0.109097578	2.34239E-06	7.51121E-05	0.000740624	0.002030907	0
2063 May	0.001039771	0.151634544	1.17848E-05	1.534048796	2.756511211	0.049370736	0.000281314	5.238018513	0.001455497	0.011901641	0.000397488	0.000202105	8.16999E-05	0.110286057	2.35697E-06	7.56547E-05	0.000748991	0.002043739	0
2063 Jun	0.000936716	0.138081565	1.05064E-05	1.389834166	2.520970345	0.045946669	0.00024892	4.753242016	0.001313571	0.010650589	0.000371913	0.000182371	7.45262E-05	0.100705259	2.10129E-06	6.77307E-05	0.000687604	0.001827321	0
2063 Jul	0.000934562	0.137750268	1.04979E-05	1.386450291	2.512914419	0.045775704	0.000247848	4.739306927	0.001311285	0.010636111	0.000370494	0.000182532	7.43307E-05	0.100389317	2.09958E-06	6.75925E-05	0.000686336	0.001827668	0
2063 Aug	0.000980628	0.144474238	1.10169E-05	1.454446197	2.635447741	0.047979616	0.000260271	4.9720397	0.001375613	0.011159478	0.000388294	0.000191321	7.79664E-05	0.105292119	2.20338E-06	7.09192E-05	0.000719259	0.001916961	0
2063 Sep	0.000989454	0.145583108	1.11192E-05	1.467044473	2.656494617	0.048280247	0.00026378	5.016092777	0.001387325	0.011259318	0.000390461	0.00019244	7.8604E-05	0.106157891	2.22384E-06	7.15931E-05	0.000723577	0.001932049	0
2063 Oct	0.000977665	0.143639654	1.09822E-05	1.448199153	2.621455669	0.0475481	0.000261925	4.953461647	0.001369227	0.011126115	0.000384306	0.00018945	7.75112E-05	0.104764417	2.19644E-06	7.08022E-05	0.000712826	0.001905681	0
2063 Nov	0.000978284	0.143694296	1.09883E-05	1.448878527	2.622526646	0.047550961	0.000262314	4.956098557	0.001369821	0.011133321	0.000384289	0.000189449	7.75332E-05	0.104808398	2.19767E-06	7.08578E-05	0.000712907	0.001906306	0
2063 Dec	0.000978948	0.14379023	1.09958E-05	1.449851274	2.624280453	0.047582056	0.000262501	4.959439278	0.001370739	0.011140879	0.000384538	0.000189572	7.75846E-05	0.104878537	2.19915E-06	7.09063E-05	0.000713375	0.001907574	0
2064 Jan	0.000979065	0.143807605	1.0997E-05	1.450025082	2.624605894	0.047588084	0.000262535	4.960046291	0.001370899	0.01114217	0.000384582	0.000189592	7.75934E-05	0.104891479	2.1994E-06	7.09147E-05	0.00071346	0.001907781	0
2064 Feb	0.000979272	0.143838838	1.09992E-05	1.450335979	2.625185966	0.047599118	0.000262588	4.961119175	0.001371188	0.011144457	0.000384665	0.000189631	7.76096E-05	0.104914568	2.19984E-06	7.09294E-05	0.000713616	0.001908165	0
2064 Mar	0.00098057	0.144030064	1.10138E-05	1.452261806	2.628681421	0.047662772	0.000262936	4.967711926	0.001373006	0.0111592	0.000385176	0.000189882	7.77124E-05	0.105054207	2.20275E-06	7.10233E-05	0.000714566	0.001910686	0
2064 Apr	0.000982938	0.144378141	1.10403E-05	1.455770135	2.635036945	0.047778167	0.00026357	4.979715824	0.001376321	0.011186128	0.000386107	0.00019034	7.79E-05	0.105308175	2.20806E-06	7.11947E-05	0.000716294	0.001915294	0
2064 May	0.000987235	0.14548257	1.10465E-05	1.464643359	2.659378529	0.048480708	0.000263431	5.013597012	0.001382702	0.011206892	0.000392445	0.000190975	7.85456E-05	0.106229484	2.2093E-06	7.1351E-05	0.000723218	0.001917017	0
2064 Jun	0.000925408	0.13787812	1.02334E-05	1.380954981	2.532291174	0.046975911	0.000242504	4.736328125	0.001298015	0.010424417	0.000382289	0.000178907	7.45893E-05	0.100994684	2.04669E-06	6.6416E-05	0.000690516	0.001779779	0
2064 Jul	0.000958235	0.142684579	1.06053E-05	1.42909956	2.618855953	0.048536807	0.000250877	4.90068531	0.001343841	0.010797801	0.000395002	0.000185299	7.71676E-05	0.104454286	2.12106E-06	6.876E-05	0.000713968	0.001844093	0
2064 Aug	0.000975927	0.145142317	1.08049E-05	1.45425117	2.66306901	0.049280956	0.00025584	4.987734795	0.001367649	0.010994641	0.000401025	0.000188177	7.84967E-05	0.106234126	2.16098E-06	7.00024E-05	0.000724605	0.001875989	0
2064 Sep	0.000962456	0.14277409	1.06562E-05	1.43289113	2.621277094	0.048352197	0.000254606	4.917023182	0.001347019	0.010840961	0.000393003	0.000184327	7.72562E-05	0.104604632	2.13123E-06	6.91107E-05	0.000710515	0.001844875	0
2064 Oct	0.000965995	0.143182859	1.06916E-05	1.437390089	2.629155159	0.048446212	0.000256293	4.9336586	0.001351025	0.010880635	0.000393645	0.000184571	7.7453E-05	0.104921989	2.13832E-06	6.93981E-05	0.000711907	0.001849443	0
2064 Nov	0.000969604	0.143716037	1.07315E-05	1.442748904	2.638948679	0.048625838	0.000257262	4.952066898	0.00135606	0.010921302	0.000395103	0.000185255	7.77411E-05	0.105312876	2.1463E-06	6.9658E-05	0.000714549	0.001856326	0
2064 Dec	0.000969969	0.14376916	1.07355E-05	1.443285584	2.63992548	0.048643399	0.000257364	4.953917027	0.001356563	0.010925419	0.000395244	0.000185322	7.77696E-05	0.105351903	2.14711E-06	6.96845E-05	0.000714808	0.00185701	0
2065 Jan	0.000970039	0.143779546	1.07363E-05	1.443389177	2.640121222	0.048647072	0.000257384	4.954279423	0.001356658	0.010926179	0.000395271	0.000185333	7.77749E-05	0.105359674	2.14725E-06	6.96894E-05	0.000714859	0.001857131	0
2065 Feb	0.000970237	0.143809468	1.07384E-05	1.443687081	2.640676498	0.048657592	0.000257436	4.955307484	0.001356935	0.010928374	0.000395353	0.000185371	7.77907E-05	0.105381772	2.14768E-06	6.97035E-05	0.000715008	0.0018575	0
2065 Mar	0.000971634	0.144016728	1.07538E-05	1.445766568	2.644485474	0.048727941	0.000257805	4.96244812	0.001358888	0.010944082	0.000395922	0.000185637	7.79026E-05	0.105533741	2.15076E-06	6.98037E-05	0.00071604	0.001860167	0
2065 Apr	0.000975694	0.144618779	1.07987E-05	1.451809764	2.655542374	0.04893177	0.000258883	4.983192921	0.001364568	0.01098981	0.000397577	0.000186413	7.82281E-05	0.10597498	2.15975E-06	7.00954E-05	0.000719033	0.001867938	0
2065 May	0.000987263	0.146697804	1.08952E-05	1.470959902	2.696805954	0.049889497	0.000260929	5.051492691	0.001381077	0.011098885	0.00040585	0.0001885	7.93909E-05	0.107583135	2.17905E-06	7.08073E-05	0.000730494	0.0018852	0
2065 Jun	0.000941834	0.14097245	1.03223E-05	1.408788443	2.598379612	0.048602905	0.000245579	4.84252882	0.001319455	0.010539835	0.00039669	0.000180163	7.63921E-05	0.103555687	2.06445E-06	6.72431E-05	0.000705765	0.001789951	0
2065 Jul	0.000992344	0.148522139	1.08837E-05	1.484193325	2.736451387	0.051172994	0.000258465	5.10058403	0.001390544	0.011109624	0.000417665	0.000190093	8.04754E-05	0.109061643	2.17675E-06	7.08521E-05	0.000743661	0.00188809	0
2065 Aug	0.001038437	0.155316383	1.13924E-05	1.552764535	2.861703157	0.053471152	0.000270916	5.33660984	0.001454787	0.011624963	0.000436324	0.000198618	8.41784E-05	0.114067726	2.27849E-06	7.41465E-05	0.000776888	0.001974802	0
2065 Sep	0.001012618	0.150995195	1.11071E-05	1.511776805	2.783238888	0.051800869	0.000266943	5.198919296	0.0014159	0.011337976	0.000422157	0.000192247	8.18057E-05	0.1109704	2.22141E-06	7.24243E-05	0.000752775	0.001919632	0
2065 Oct	0.000964631	0.14311178	1.05591E-05	1.435338736	2.64014411	0.048816077	0.000258955	5.943301678	0.001342995	0.010800689	0.000397067	0.000180495	7.73834E-05	0.10528443	2.11182E-06	6.92038E-05	0.000709523	0.001815341	0
2065 Nov	0.000962222	0.142624602	1.05286E-05	1.430897474	2.631578445	0.048600316	0.000259148	4.929338455	0.001338592	0.010773589	0.000395175	0.000179564	7.70928E-05	0.104946174	2.10573E-06	6.90686E-05	0.000706393	0.001808365	0
2065 Dec	0.000962432	0.142654121	1.05309E-05	1.431199074	2.632125616	0.048609722	0.000259213	4.930389404	0.001338872	0.010775946	0.00039525	0.000179599	7.71084E-05	0.104968041	2.10618E-06	6.90841E-05	0.000706532	0.001808737	0
2066 Jan	0.000962579	0.14267607	1.05324E-05	1.431418061	2.632537603	0.048617441	0.000259255	4.931154728	0.001339074	0.010777556	0.000395308	0.000179624	7.71197E-05	0.104984432	2.10649E-06	6.90946E-05	0.000706639	0.001808994	0
2066 Feb	0.000963021	0.142742321	1.05372E-05	1.432078838	2.633769035	0.048640639	0.000259372	4.933440208	0.001339688	0.01078244	0.000395491	0.000179705	7.71549E-05	0.10503345	2.10744E-06	6.9126E-05	0.000706969	0.001809807	0
2066 Mar	0.000965082	0.143048227	1.05597E-05	1.435145736	2.639417887	0.048745219	0.000259926	4.944009781	0.001342554	0.010805481	0.000396338	0.000180089	7.73199E-05	0.105258673	2.11194E-06	6.92737E-05	0.000708485	0.001813671	0
2066 Apr	0.000967777	0.143447936	1.05891E-05	1.439154625	2.646795988	0.04888162	0.000260651	4.957823277	0.001346303	0.010835635	0.000397445	0.000180592	7.75358E-05	0.105552867	2.11783E-06	6.94671E-05	0.000710465	0.00181873	0
2066 May	0.000978846	0.145127118	1.0707E-05	1.45582056	2.678091764	0.049480256	0.000263522	5.015490532	0.001361742	0.010957398	0.000402363	0.000182648	7.84473E-05	0.106796935	2.1414E-06	7.02493E-05	0.000718904	0.001839045	0
2066 Jun	0.000920725	0.137008905	1.00729E-05	1.372170806	2.527633667	0.046917457	0.000245328	4.723689079	0.001283947	0.010309095	0.000381992	0.000173473	7.40805E-05	0.100760892	2.01458E-06	6.60066E-05	0.000682061	0.001737202	0
2066 Jul	0.000969326	0.14416109	1.06246E-05	1.443940997	2.656916618	0.049260791	0.000257861	4.968186378	0.001352248	0.010865267	0.000401	0.000183157	7.79226E-05	0.105926275	2.12493E-06	6.95124E-05	0.000717638	0.001833744	0
2066 Aug	0.001015665	0.150957897	1.11351E-05	1.512428284	2.781886101	0.051537286	0.000270441	5.20420599	0.001416447	0.01138368	0.000419487	0.000191633	8.16038E-05	0.110918984	2.22702E-06	7.28272E-05	0.000750644	0.001920395	0
2066 Sep	0.00102105	0.151545778	1.11934E-05	1.519351244	2.793231726	0.051652368	0.000273145	5.2294631	0.001422719	0.011445097	0.000420172	0.000191995	8.19076E-05	0.111385606	2.23868E-06	7.32694E-05	0.000752411	0.00192784	0
2066 Oct	0.00100614	0.149001181	1.10246E-05	1.495015025	2.746878147	0.050643846	0.000271147	5.148335457	0.001399566	0.011280497	0.000411602	0.00018815	8.04646E-05	0.109548591	2.20492E-06	7.22995E-05	0.000738087	0.001894901	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.001002594	0.148384228	1.09843E-05	1.489150763	2.735656738	0.050395004	0.000270741	5.128870964	0.001393975	0.011241435	0.000409478	0.000187199	8.01127E-05	0.109104238	2.19686E-06	7.20723E-05	0.000734563	0.001886897	0
2066 Dec	0.001003318	0.148489714	1.09922E-05	1.49021554	2.737604141	0.050430067	0.000270948	5.132552624	0.00139497	0.011249573	0.000409761	0.000187329	8.01692E-05	0.109181963	2.19844E-06	7.21249E-05	0.000735076	0.001888236	0
2067 Jan	0.001003507	0.148517683	1.09942E-05	1.490495086	2.738128424	0.050439849	0.000271001	5.133527279	0.001395227	0.011251638	0.000409835	0.000187361	8.01837E-05	0.109202817	2.19883E-06	7.21384E-05	0.000735213	0.001888567	0
2067 Feb	0.001003923	0.148580328	1.09986E-05	1.491119266	2.739293814	0.050461855	0.000271111	5.135687351	0.001395806	0.011256241	0.000410007	0.000187438	8.02168E-05	0.109249182	2.19973E-06	7.2168E-05	0.000735525	0.001889332	0
2067 Mar	0.00100505	0.148747653	1.10109E-05	1.492795944	2.742384434	0.050519083	0.000271414	5.141467571	0.001397373	0.011268839	0.000410468	0.000187648	8.03067E-05	0.109372385	2.20219E-06	7.22489E-05	0.000736354	0.001891442	0
2067 Apr	0.001007496	0.149109915	1.10377E-05	1.496430159	2.749066353	0.050642349	0.000272074	5.153987408	0.001400773	0.01129624	0.000411468	0.000188104	8.05021E-05	0.109638847	2.20754E-06	7.24246E-05	0.000738148	0.001896039	0
2067 May	0.001023361	0.151801735	1.11837E-05	1.521835566	2.801380634	0.051790442	0.000275337	5.243592262	0.00142326	0.011455261	0.000421253	0.000191024	8.19919E-05	0.111690126	2.23674E-06	7.34548E-05	0.000752602	0.00192186	0
2067 Jun	0.000991057	0.147963196	1.07624E-05	1.478881598	2.736949444	0.051097043	0.000263593	5.099970341	0.001380014	0.011048312	0.000416828	0.000185267	8.00067E-05	0.109026037	2.15248E-06	7.08544E-05	0.000737118	0.001852926	0
2067 Jul	0.001050593	0.156799346	1.14166E-05	1.567241788	2.899175406	0.054095406	0.000279263	5.403869152	0.001462927	0.011715911	0.000441276	0.000196515	8.47709E-05	0.115493722	2.28332E-06	7.51108E-05	0.000780867	0.001965674	0
2067 Aug	0.001083455	0.16152589	1.17778E-05	1.61472857	2.98509717	0.055622175	0.000288103	5.568359852	0.001507532	0.012079894	0.000453761	0.000202144	8.73078E-05	0.118929483	2.35556E-06	7.74191E-05	0.000802617	0.002025078	0
2067 Sep	0.001092793	0.162724495	1.18808E-05	1.627839923	3.007801533	0.055959679	0.000291732	5.6146698	0.001519608	0.012184815	0.000456272	0.000203312	8.79625E-05	0.119851775	2.37616E-06	7.81327E-05	0.000807478	0.002040356	0
2067 Oct	0.001063039	0.157837898	1.15499E-05	1.580561042	2.91825819	0.054086573	0.000286526	5.45525074	0.001474961	0.01185649	0.000440505	0.000196343	8.5228E-05	0.116299212	2.30998E-06	7.61427E-05	0.000780902	0.001978204	0
2067 Nov	0.001060857	0.157406896	1.1524E-05	1.576614857	2.910514832	0.053894818	0.00028659	5.442560196	0.001471135	0.011832673	0.000438829	0.000195586	8.4973E-05	0.115993939	2.30479E-06	7.60179E-05	0.000778208	0.001972458	0
2067 Dec	0.001061719	0.157532886	1.15333E-05	1.577883601	2.912847281	0.053937115	0.000286834	5.446955204	0.001472317	0.011842307	0.000439171	0.000195739	8.50406E-05	0.116086967	2.30666E-06	7.60803E-05	0.000778821	0.001974034	0
2068 Jan	0.001061987	0.157572851	1.15361E-05	1.578282714	2.913595438	0.053951092	0.000286909	5.448345661	0.001472685	0.011845255	0.000439278	0.000195786	8.50615E-05	0.116116717	2.30723E-06	7.60995E-05	0.000779017	0.001974509	0
2068 Feb	0.001062334	0.157625303	1.15398E-05	1.578803062	2.914575815	0.053969827	0.000287001	5.450152874	0.001473165	0.011849045	0.000439424	0.000195848	8.5089E-05	0.116155684	2.30796E-06	7.61239E-05	0.000779279	0.001975133	0
2068 Mar	0.001064431	0.15793699	1.15625E-05	1.581922412	2.920345306	0.054076973	0.000287566	5.46092701	0.001476072	0.011872394	0.000440292	0.000196234	8.52569E-05	0.116385549	2.3125E-06	7.6274E-05	0.000780821	0.00197902	0
2068 Apr	0.001072817	0.15918158	1.16536E-05	1.594387054	2.943361998	0.054503359	0.000289831	5.503958702	0.001487701	0.011965905	0.000443761	0.00019778	8.59285E-05	0.117302805	2.33071E-06	7.68748E-05	0.000786975	0.001994605	0
2068 May	0.001083404	0.161091477	1.17396E-05	1.611914158	2.981441736	0.055390798	0.000291721	5.566747665	0.001502709	0.012064561	0.000451437	0.000199637	8.69942E-05	0.118785039	2.34793E-06	7.75232E-05	0.000797489	0.002009884	0
2068 Jun	0.000979201	0.146897629	1.05217E-05	1.463745832	2.726801872	0.0513306	0.000259333	5.060284138	0.001360674	0.010845308	0.00041998	0.000180987	7.94411E-05	0.108511351	2.10433E-06	6.96879E-05	0.000732212	0.001806631	0
2068 Jul	0.001010451	0.151481718	1.08739E-05	1.50949347	2.809304476	0.052822992	0.000267229	5.216630936	0.001404186	0.01119991	0.000432171	0.00018705	8.18918E-05	0.111805484	2.17479E-06	7.19123E-05	0.000754556	0.001867519	0
2068 Aug	0.001066256	0.159767464	1.1477E-05	1.592442513	2.962764502	0.055674288	0.000282225	5.503564835	0.001481401	0.011817898	0.000455454	0.000197156	8.63794E-05	0.117922187	2.2954E-06	7.58798E-05	0.00079516	0.001969915	0
2068 Sep	0.001069785	0.160039842	1.15152E-05	1.596416473	2.968379259	0.05566534	0.000284665	5.518893719	0.001484883	0.011858808	0.000455079	0.000197055	8.65118E-05	0.118163526	2.30304E-06	7.61992E-05	0.000795144	0.001973424	0
2068 Oct	0.001072163	0.160249561	1.1539E-05	1.599027395	2.972475767	0.055675685	0.000286159	5.529009342	0.001487174	0.011886586	0.000455006	0.000197055	8.6596E-05	0.118331842	2.30781E-06	7.64131E-05	0.000795457	0.001975864	0
2068 Nov	0.001075904	0.160796955	1.15792E-05	1.604531288	2.982645988	0.055860855	0.000287226	5.548127174	0.001492282	0.01192817	0.000456506	0.000197707	8.68895E-05	0.118737146	2.31583E-06	7.66832E-05	0.000798116	0.001982602	0
2068 Dec	0.00107661	0.160901099	1.15867E-05	1.605575204	2.984579325	0.055896446	0.000287422	5.551746368	0.001493252	0.011936008	0.000456796	0.000197833	8.69455E-05	0.118814163	2.31735E-06	7.6734E-05	0.000798626	0.001983885	0
2069 Jan	0.001076766	0.160924569	1.15884E-05	1.605808496	2.985020876	0.055904791	0.000287466	5.552562237	0.001493466	0.011937712	0.00045686	0.000197859	8.69577E-05	0.118831694	2.31767E-06	7.67451E-05	0.000798741	0.001984157	0
2069 Feb	0.001076992	0.160958961	1.15907E-05	1.60614872	2.985666752	0.055917274	0.000287524	5.553745747	0.001493778	0.011940163	0.000456956	0.0001979	8.69757E-05	0.118857324	2.31814E-06	7.67609E-05	0.000798914	0.001984559	0
2069 Mar	0.001077137	0.160981059	1.15922E-05	1.60636735	2.986080408	0.055925231	0.000287562	5.554505825	0.00149398	0.011941746	0.000457019	0.000197926	8.69874E-05	0.118873753	2.31845E-06	7.67711E-05	0.000799024	0.001984819	0
2069 Apr	0.001079276	0.161300972	1.16152E-05	1.609558463	2.992016792	0.056036532	0.000288133	5.565542698	0.001496946	0.011965445	0.000457926	0.000198319	8.71601E-05	0.119110055	2.32305E-06	7.69235E-05	0.000800613	0.001988756	0
2069 May	0.001100144	0.164450243	1.18375E-05	1.64084506	3.050659895	0.057150844	0.000293611	5.673893929	0.001525935	0.012195189	0.00046707	0.000202154	8.88651E-05	0.121441603	2.36749E-06	7.84012E-05	0.000816347	0.002026882	0
2069 Jun	0.001050017	0.157263532	1.13397E-05	1.567940593	2.912513494	0.054651998	0.000277517	5.413267136	0.001460635	0.011666982	0.000446791	0.000195554	8.49805E-05	0.115937628	2.26793E-06	7.48444E-05	0.000784119	0.001951271	0
2069 Jul	0.001085516	0.162515521	1.1746E-05	1.620479465	3.006973505	0.056372005	0.000286415	5.591513157	0.001510861	0.0120758	0.000460761	0.000202864	8.77968E-05	0.11971014	2.34921E-06	7.7407E-05	0.000810564	0.002023266	0
2069 Aug	0.001118962	0.167368039	1.21128E-05	1.669731498	3.096597433	0.057986412	0.00029579	5.761983395	0.001556839	0.012446851	0.000473841	0.000208676	9.04422E-05	0.123297594	2.42257E-06	7.97902E-05	0.000833531	0.002084184	0
2069 Sep	0.001091775	0.162888631	1.18169E-05	1.626924396	3.014585495	0.056265786	0.000291042	5.617045879	0.001516542	0.012147161	0.000459307	0.000202361	8.7983E-05	0.120057166	2.36339E-06	7.79638E-05	0.000809026	0.002028336	0
2069 Oct	0.001045508	0.155298859	1.13062E-05	1.553516388	2.875149965	0.053350896	0.000282775	5.368937969	0.001447408	0.011638151	0.000434775	0.000191669	8.37429E-05	0.114527695	2.26125E-06	7.48659E-05	0.000767841	0.00193277	0
2069 Nov	0.001043797	0.154881999	1.12854E-05	1.549919844	2.867677212	0.053137857	0.000283277	5.357771397	0.001443891	0.011620502	0.000432861	0.000190855	8.34848E-05	0.114235699	2.25709E-06	7.47924E-05	0.000764951	0.001927342	0
2069 Dec	0.001044193	0.154938951	1.12897E-05	1.550495863	2.86873436	0.05315667	0.000283395	5.359775543	0.001444426	0.011624917	0.000433013	0.000190922	8.35151E-05	0.114277869	2.25794E-06	7.48212E-05	0.000765224	0.001928049	0
2070 Jan	0.001044234	0.15494518	1.12901E-05	1.550557256	2.868857384	0.053159062	0.000283408	5.359998226	0.001444479	0.011625336	0.000433027	0.000190927	8.35179E-05	0.114282735	2.25801E-06	7.48241E-05	0.000765253	0.001928104	0
2070 Feb	0.001044263	0.15495041	1.12903E-05	1.550605178	2.868963957	0.053161535	0.000283414	5.360173702	0.001444519	0.011625594	0.00043304	0.000190931	8.352E-05	0.114286862	2.25805E-06	7.48258E-05	0.000765281	0.00192814	0
2070 Mar	0.001044968	0.155055463	1.12978E-05	1.55165422	2.870913982	0.05319795	0.000283604	5.363804817	0.001445493	0.011633404	0.000433333	0.00019106	8.35763E-05	0.114364497	2.25957E-06	7.48762E-05	0.000765801	0.001929431	0
2070 Apr	0.00104921	0.155685708	1.13436E-05	1.557956934	2.882592678	0.053414844	0.000284753	5.385601521	0.00145136	0.01168056	0.000435094	0.000191834	8.39153E-05	0.114829622	2.26872E-06	7.51798E-05	0.000768916	0.001937245	0
2070 May	0.001061435	0.157744527	1.14554E-05	1.577413678	2.922665119	0.054288417	0.000287363	5.45443058	0.001468539	0.011802947	0.000442513	0.000194019	8.50488E-05	0.116400786	2.29107E-06	7.59773E-05	0.000779879	0.001956781	0
2070 Jun	0.001029421	0.153777733	1.10547E-05	1.534057856	2.854254484	0.053427208	0.00027612	5.307857513	0.001425728	0.011410355	0.000436481	0.000188454	8.29826E-05	0.113598593	2.21095E-06	7.34545E-05	0.000763275	0.001891368	0
2070 Jul	0.001074238	0.160417914	1.15464E-05	1.600389838	2.976052284	0.055672903	0.000287941	5.536141872	0.001487971	0.011912934	0.000454796	0.000196881	8.65519E-05	0.118452929	2.30928E-06	7.66599E-05	0.000796074	0.001975975	0
2070 Aug	0.001114135	0.166256428	1.19786E-05	1.658982396	3.083668232	0.057634838	0.000298823	5.739266872	0.001542595	0.012354165	0.000470805	0.000203859	8.97008E-05	0.122747295	2.39573E-06	7.94888E-05	0.000823939	0.002048149	0
2070 Sep	0.001090685	0.162303492	1.17232E-05	1.621429086	3.011205435	0.056075722	0.000295217	5.612565994	0.001507243	0.01209766	0.000457557	0.0001982	8.75062E-05	0.119885907	2.34464E-06	7.79452E-05	0.000801985	0.001999166	0
2070 Oct	0.001065877	0.158168763	1.14488E-05	1.581658006	2.935311794	0.05446177	0.000291165	5.478568077	0.00146974	0.011825471	0.000443914	0.000192278	8.51851E-05	0.116878681	2.28976E-06	7.63042E-05	0.000779258	0.001947116	0
2070 Nov	0.00106554	0.158068195	1.14442E-05	1.580826759	2.933543444	0.054406077	0.000291377	5.476115704	0.001468904	0.011822037	0.000443406	0.000192054	8.51204E-05	0.11680986	2.28885E-06	7.6295E-05	0.000778498	0.001945734	0
2070 Dec	0.001065727	0.15809463	1.14462E-05	1.581095576	2.93403554	0.054414615	0.000291436	5.477057457	0.001469153	0.011824124	0.000443474	0.000192084	8.51343E-05	0.116829515	2.28925E-06	7.63087E-05	0.000778621	0.001946058	0
2071 Jan	0.001065775	0.158101812	1.14467E-05	1.581166744	2.934174776	0.054417275	0.000291451	5.477312088	0.001469216	0.011824625	0.000443492	0.000192091	8.51377E-05	0.11683502	2.28934E-06	7.63121E-05	0.000778656	0.00194613	0
2071 Feb	0.001065803	0.158106685	1.14469E-05	1.581212282	2.934272289	0.054419465	0.000291457	5.47747612	0.001469255	0.011824889	0.000443505	0.000192095	8.51398E-05	0.116838828	2.28938E-06	7.63139E-05	0.000778681	0.001946168	0
2071 Mar	0.001065976	0.158132732	1.14487E-05	1.581471086	2.934759617	0.054428715	0.000291503	5.478376389	0.001469493	0.011826782	0.000443577	0.000192126	8.51536E-05	0.116858192	2.28975E-06	7.63262E-05	0.000778811	0.001946477	0
2071 Apr	0.001067871	0.158414036	1.14691E-05	1.584283352	2.939982891	0.054525699	0.000292021	5.488120556	0.001472105	0.01184779	0.000444366	0.000192467	8.53049E-05	0.117066145	2.29381E-06	7.64618E-05	0.000780197	0.001949933	0
2071 May	0.001068163	0.158764735	1.14462E-05	1.586348653	2.94896245	0.054856993	0.000291221	5.49728775	0.001472821	0.011833604	0.000447469	0.000192444	8.55258E-05	0.117392041	2.28924E-06	7.63837E-05	0.000782916	0.001946551	0
2071 Jun	0.001008706	0.150812879	1.07532E-05	1.502769351	2.806249857	0.052653052	0.00027197	5.210430622	0.001392826	0.011138137	0.000430569	0.000182297	8.13177E-05	0.111626133	2.15064E-06	7.18855E-05	0.000747326	0.001832891	0
2071 Jul	0.001032761	0.154368535	1.10243E-05	1.53831017	2.870632172	0.05382752	0.000278155	5.331647396	0.001426585	0.011413082	0.000440112	0.000187097	8.32201E-05	0.114194721	2.20486E-06	7.3622E-05	0.000765131	0.001880481	0
2071 Aug	0.001074866	0.160575822	1.14769E-05	1.600728869	2.986087561	0.05595566	0.000289847	5.548231602	0.001484491	0.011878057	0.000457432	0.000194489	8.65847E-05	0.118799523	2.29538E-06	7.66264E-05	0.000795247	0.001956464	0
2071 Sep	0.001061538	0.158233151	1.13385E-05	1.579429865	2.94345355	0.055001087	0.000288297	5.476246834	0.00146449	0.011732834	0.00044919	0.000191076	8.53348E-05	0.117136024	2.26769E-06	7.57609E-05	0.000781679	0.001928584	0
2071 Oct	0.00104781	0.15594095	1.11882E-05	1.557420254	2.901237965	0.054100614	0.000286037	5.401879311	0.001443813	0.011583132	0.00044157	0.000187844	8.40489E-05	0.115464509	2.23765E-06	7.48554E-05	0.000769103	0.001900185	0
2071 Nov	0.001045384	0.155388802	1.11593E-05	1.552581668	2.89131856	0.053828917	0.000286523	5.386643887	0.001439106	0.011557775	0.000439145	0.00018681	8.37125E-05	0.115076199	2.23186E-06	7.47397E-05	0.0007654	0.001893034	0
2071 Dec	0.001045561	0.155401766	1.1161E-05	1.552758098	2.891582966	0.05382783	0.00028665	5.387360573	0.001439255	0.011559829	0.000439122	0.0001868	8.37168E-05	0.115087166	2.2322E-06	7.47563E-05	0.000765396	0.001893167	0
2072 Jan	0.001045672	0.155418366	1.11621E-05	1.552922726	2.891901731	0.053833898	0.000286683	5.387945652	0.001439403	0.011561004	0.000439164	0.000186817	8.3725E-05	0.115099795	2.23241E-06	7.47642E-05	0.000765476	0.001893342	0
2072 Feb	0.001045765	0.155433387	1.11629E-05	1.553067327	2.892192841	0.053839963	0.000286706	5.388459206	0.001439531	0.011561952	0.000439205	0.000186832	8.37322E-05	0.115111262	2.23259E-06	7.47704E-05	0.000765553	0.001893488	0
2072 Mar	0.001045961	0.155463144	1.1165E-05	1.553361773	2.892753363	0.053850744	0.000286758	5.38948679	0.001439801	0.011564074	0.000439289	0.000186867	8.37478E-05	0.115133494	2.23299E-06	7.47842E-05	0.000765701	0.001893831	0
2072 Apr	0.001049254	0.155952975	1.12001E-05	1.55825448	2.901871204	0.054020673	0.00028766	5.40646553	0.001444334	0.011600458	0.000440672	0.000187455	8.40114E-05	0.115496352	2.24002E-06	7.50195E-05	0.000768114	0.001899787	0
2072 May	0.001066353	0.158495113	1.13826E-05	1.5836519	2.949178696	0.054901704	0.000292346	5.494587421	0.001467872	0.011789466	0.000447859	0.000190509	8.53808E-05	0.117379159	2.27651E-06	7.62419E-05	0.000780637	0.001930739	0
2072 Jun	0.001042868	0.154880285	1.11992E-05	1.548346281	2.874866009	0.053388719	0.000284769	5.362374783	0.001438737	0.011575118	0.000435121	0.000188621	8.33926E-05	0.114456646	2.23983E-06	7.47057E-05	0.000764588	0.001907282	0
2072 Jul	0.001062443	0.157641739	1.1431E-05	1.576154947	2.922872782	0.054194808	0.000289729	5.456380367	0.001465838	0.011803814	0.00044163	0.000192511	8.48439E-05	0.116383575	2.2862E-06	7.61162E-05	0.00077755	0.001947244	0
2072 Aug	0.001059694	0.156802133	1.14176E-05	1.571107388	2.908362627	0.053740159	0.000291152	5.440061092	0.001461084	0.011772791	0.000437387	0.000190846	8.45112E-05	0.115871631	2.28353E-06	7.59658E-05	0.000770448	0.001939064	0
2072 Sep	0.001046824	0.154494584	1.1288E-05	1.550795197	2.86680913	0.052794572	0.000289931	5.37139082	0.001441969	0.011631396	0.00042915	0.000187408	8.33283E-05	0.114264958	2.2576E-06	7.51268E-05	0.000756713	0.001911945	0
2072 Oct	0.001016111	0.149463639	1.09533E-05	1.502214909	2.774058819	0.050856564	0.000284298	5.20655632	0.001396412	0.011295303	0.000412833	0.000180464	8.0528E-05	0.110590331	2.19066E-06	7.30693E-05	0.000729524	0.001849701	0
2072 Nov	0.001013563	0.148994684	1.09251E-05	1.497861981	2.765473127	0.050655592	0.00028413	5.192129135	0.00139229	0.011267942	0.000411094	0.000179737	8.02584E-05	0.110252142	2.18501E-06	7.29139E-05	0.000726753	0.001843885	0
2072 Dec	0.001013763	0.149022713	1.09272E-05	1.498148561	2.765995264	0.050664518	0.000284194	5.193132877	0.001392555	0.011270178	0.000411165	0.000179769	8.02732E-05	0.110273004	2.18544E-06	7.29287E-05	0.000726883	0.00184423	0
2073 Jan	0.001013839	0.149034038	1.0928E-05	1.498261333	2.766211748	0.05066859	0.000284217	5.193532944	0.001392656	0.011270992	0.000411193	0.00017978	8.02788E-05	0.110281587	2.18559E-06	7.29342E-05	0.000726937	0.001844353	0
2073 Feb	0.001013946	0.149050534	1.0929E-05	1.498423576	2.766525745	0.050674774	0.000284245	5.194102287	0.001392803	0.011272128	0.000411238	0.000179798	8.02871E-05	0.110294022	2.18581E-06	7.29416E-05	0.00072702	0.001844533	0
2073 Mar	0.00101436	0.149111748	1.09335E-05	1.499036908	2.76766634	0.050695896	0.00028436	5.196232796	0.001393371	0.011276697	0.000411407	0.000179871	8.03198E-05	0.11033944	2.18669E-06	7.29712E-05	0.000727319	0.001845277	0
2073 Apr	0.001021345	0.15013884	1.10087E-05	1.509361386	2.786732674	0.051045276	0.000286318	5.232023716	0.001402967	0.011354337	0.00041424	0.00018111	8.08729E-05	0.111099549	2.20174E-06	7.34736E-05	0.00073233	0.001857981	0
2073 May	0.001026558	0.151311964	1.10322E-05	1.519294262	2.811697483	0.051722236	0.000286584	5.268883228	0.001410671	0.011389833	0.000420273	0.00018198	8.15533E-05	0.11205443	2.20644E-06	7.37178E-05	0.000739408	0.001862692	0
2073 Jun	0.000991863	0.147031307	1.06067E-05	1.472621083	2.737237215	0.050785098	0.000274099	5.109770775	0.001364969	0.010968253	0.000413691	0.00017628	7.93431E-05	0.109011181	2.12134E-06	7.09838E-05	0.000721789	0.001794306	0
2073 Jul	0.001021408	0.151344776	1.09299E-05	1.515883446	2.816283941	0.05221606	0.00028212	5.259255409	0.001405508	0.011298136	0.000425341	0.00018158	8.16563E-05	0.112165429	2.18599E-06	7.30931E-05	0.000742516	0.001848802	0
2073 Aug	0.001057686	0.156614736	1.13214E-05	1.568990946	2.913735628	0.053977136	0.000292305	5.443873882	0.001454883	0.011698416	0.000439667	0.000187739	8.44997E-05	0.116056845	2.26427E-06	7.56732E-05	0.000767389	0.001913447	0
2073 Sep	0.001053616	0.155775279	1.12799E-05	1.561933398	2.898730516	0.053593267	0.000292562	5.420676231	0.001448165	0.011654867	0.000436242	0.000186338	8.40512E-05	0.115480222	2.25599E-06	7.54405E-05	0.000761954	0.001903582	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.001027765	0.151530251	1.09978E-05	1.520899415	2.820391893	0.051950797	0.000287884	5.28150034	0.001409698	0.011372786	0.000422404	0.000180485	8.16767E-05	0.112374902	2.19956E-06	7.37174E-05	0.000739028	0.001851151	0
2073 Nov	0.001023923	0.150862575	1.09552E-05	1.514570236	2.808151245	0.051679168	0.00028741	5.2603302	0.001403717	0.011330985	0.000420084	0.000179493	8.12976E-05	0.111891001	2.19105E-06	7.34714E-05	0.00073524	0.001842787	0
2073 Dec	0.001024583	0.150958329	1.09623E-05	1.515536785	2.809935808	0.051711317	0.000287604	5.263698578	0.001404611	0.011338304	0.000420344	0.000179604	8.13489E-05	0.111962155	2.19246E-06	7.35192E-05	0.000735699	0.001843955	0
2074 Jan	0.001024692	0.150974467	1.09634E-05	1.515697837	2.810242653	0.051717073	0.000287636	5.264266968	0.001404757	0.011339472	0.000420386	0.000179621	8.1357E-05	0.111974336	2.19268E-06	7.3527E-05	0.000735776	0.001844133	0
2074 Feb	0.001024752	0.150984168	1.09639E-05	1.515791416	2.810431719	0.05172101	0.000287651	5.2645998	0.00140484	0.011340082	0.000420412	0.000179631	8.13617E-05	0.111981779	2.19279E-06	7.3531E-05	0.000735826	0.001844227	0
2074 Mar	0.001025361	0.15107438	1.09704E-05	1.516694903	2.812115431	0.051752251	0.000287821	5.267742157	0.001405675	0.011346793	0.000420663	0.000179737	8.14099E-05	0.11204882	2.19408E-06	7.35746E-05	0.000736267	0.001845315	0
2074 Apr	0.001031299	0.15194945	1.10339E-05	1.525479078	2.828406811	0.052052207	0.000289487	5.298253059	0.001413815	0.011412481	0.000423099	0.000180778	8.18813E-05	0.112697929	2.20678E-06	7.40005E-05	0.000740532	0.001855996	0
2074 May	0.001034893	0.15312551	1.10211E-05	1.53430891	2.855204582	0.052892011	0.000288561	5.332647324	0.001419629	0.011417076	0.000430776	0.000181353	8.25893E-05	0.113701679	2.20422E-06	7.4051E-05	0.000748441	0.0018551	0
2074 Jun	0.000965732	0.144122079	1.01985E-05	1.438526988	2.69543314	0.050575085	0.000265302	5.00502491	0.001327127	0.010594793	0.000413456	0.000169584	7.78707E-05	0.107223168	2.0397E-06	6.87282E-05	0.000708989	0.001720631	0
2074 Jul	0.001010326	0.150737524	1.06781E-05	1.504601002	2.817937851	0.052848157	0.000277344	5.233878613	0.00138858	0.011088679	0.000432023	0.000177612	8.14344E-05	0.112101659	2.13561E-06	7.1905E-05	0.000741412	0.001802001	0
2074 Aug	0.001065956	0.158989042	1.12678E-05	1.587225199	2.972105503	0.055718672	0.00029277	5.521426678	0.001464866	0.011699046	0.000455455	0.000187264	8.5899E-05	0.118240714	2.25355E-06	7.58632E-05	0.000781609	0.001900846	0
2074 Sep	0.001054428	0.156918228	1.11475E-05	1.56829071	2.934087038	0.054847669	0.000291629	5.457594872	0.001447152	0.011575703	0.000447918	0.000184253	8.476E-05	0.116753235	2.2295E-06	7.51374E-05	0.000769562	0.001876525	0
2074 Oct	0.001041211	0.154614061	1.10048E-05	1.546466947	2.891397476	0.053894576	0.000289926	5.384037971	0.001426743	0.011434602	0.000439764	0.000180976	8.34473E-05	0.115067042	2.20096E-06	7.42996E-05	0.000756592	0.001848849	0
2074 Nov	0.001041065	0.154548466	1.10029E-05	1.545968056	2.890222549	0.053852465	0.000290139	5.382611275	0.001426248	0.011433514	0.000439372	0.000180824	8.3403E-05	0.115021907	2.20058E-06	7.43027E-05	0.000756053	0.001848049	0
2074 Dec	0.001041621	0.154629484	1.10088E-05	1.546784163	2.891739368	0.053879976	0.000290304	5.385465145	0.001427	0.011439648	0.000439595	0.000180916	8.34464E-05	0.115082338	2.20175E-06	7.43429E-05	0.000756442	0.001849017	0
2075 Jan	0.001041745	0.154647887	1.101E-05	1.546967387	2.892090797	0.053886622	0.00029034	5.38611269	0.001427165	0.011440966	0.000439643	0.000180936	8.34557E-05	0.115096278	2.202E-06	7.43517E-05	0.000756531	0.001849218	0
2075 Feb	0.001041958	0.154680446	1.10122E-05	1.547289014	2.892707825	0.053898599	0.000290397	5.38724041	0.001427458	0.011443251	0.000439735	0.000180972	8.34726E-05	0.115120746	2.20243E-06	7.43666E-05	0.000756692	0.001849581	0
2075 Mar	0.00104312	0.154853404	1.10244E-05	1.549016953	2.89594698	0.053959209	0.00029072	5.393260479	0.001429049	0.011455978	0.000440226	0.000181173	8.35656E-05	0.115249604	2.20488E-06	7.44494E-05	0.000757539	0.001851635	0
2075 Apr	0.001048708	0.155683205	1.10834E-05	1.557316303	2.911468029	0.054248556	0.000292277	5.422159672	0.001436705	0.011517328	0.000442585	0.000182144	8.40132E-05	0.115867257	2.21668E-06	7.48481E-05	0.000761599	0.001861549	0
2075 May	0.001063504	0.158022106	1.12298E-05	1.580063343	2.956125975	0.055154804	0.000295932	5.501966476	0.001457245	0.011672901	0.000450157	0.000184753	8.5291E-05	0.11763113	2.24596E-06	7.586E-05	0.000773561	0.001886589	0
2075 Jun	0.001007379	0.149552479	1.07329E-05	1.496390462	2.787706852	0.051850673	0.000278453	5.196534634	0.001385185	0.011120427	0.000422679	0.000178397	8.06733E-05	0.110977791	2.14658E-06	7.20454E-05	0.000734805	0.001814575	0
2075 Jul	0.001016616	0.150817633	1.08707E-05	1.509457111	2.806735992	0.052115943	0.000280252	5.236520767	0.001399428	0.011247151	0.000424657	0.000181239	8.1326E-05	0.111757532	2.17415E-06	7.27674E-05	0.000741548	0.001841609	0
2075 Aug	0.001046396	0.155118525	1.11931E-05	1.553033352	2.886393309	0.053544503	0.000288766	5.388068199	0.001439928	0.011575769	0.000436237	0.000186227	8.36558E-05	0.114942729	2.23861E-06	7.489E-05	0.000761688	0.0018945	0
2075 Sep	0.001059127	0.156894237	1.13301E-05	1.571430445	2.919712305	0.054112677	0.000292929	5.452516556	0.001456902	0.011717323	0.000440728	0.000188173	8.46138E-05	0.116279051	2.26602E-06	7.58291E-05	0.000769789	0.001916362	0
2075 Oct	0.001052758	0.155741125	1.12596E-05	1.560631514	2.898535013	0.053623706	0.000292397	5.416596413	0.0014467	0.011649041	0.000436513	0.000186421	8.39493E-05	0.115443289	2.25192E-06	7.54373E-05	0.000763079	0.001902106	0
2075 Nov	0.001055158	0.15605396	1.12848E-05	1.563917398	2.9044137	0.053713039	0.00029331	5.428312302	0.001449708	0.011676031	0.000437193	0.000186721	8.41093E-05	0.115678966	2.25696E-06	7.56221E-05	0.0007644	0.001905892	0
2075 Dec	0.001055708	0.156132042	1.12906E-05	1.56471169	2.905871391	0.053738501	0.000293482	5.431093216	0.001450441	0.011682151	0.000437397	0.000186809	8.41508E-05	0.115737148	2.25813E-06	7.56625E-05	0.000764766	0.001906843	0
2076 Jan	0.001055834	0.156150818	1.12919E-05	1.564898372	2.906230211	0.053745277	0.00029352	5.431754589	0.00145061	0.011683495	0.000437445	0.000186828	8.41601E-05	0.115751371	2.25838E-06	7.56715E-05	0.000764857	0.001907045	0
2076 Feb	0.001056259	0.156214893	1.12963E-05	1.565535307	2.907434702	0.053768188	0.000293635	5.43397665	0.001451194	0.011688123	0.000437624	0.000186902	8.41938E-05	0.115799218	2.25927E-06	7.57016E-05	0.000765173	0.001907793	0
2076 Mar	0.001057377	0.156380832	1.13082E-05	1.567195177	2.910529137	0.053825762	0.000293944	5.439743996	0.00145273	0.011700449	0.000438088	0.000187099	8.42828E-05	0.115922391	2.26164E-06	7.57815E-05	0.000765988	0.0019098	0
2076 Apr	0.001060656	0.156866163	1.13433E-05	1.572057486	2.919565678	0.053993072	0.000294855	5.456624031	0.001457235	0.011736711	0.000439447	0.000187679	8.45441E-05	0.116282269	2.26865E-06	7.60164E-05	0.000768366	0.001915716	0
2076 May	0.001074044	0.159172669	1.14628E-05	1.593675375	2.96471405	0.054999936	0.000297528	5.533195972	0.001476203	0.011868509	0.000448061	0.000190108	8.58235E-05	0.118049175	2.29256E-06	7.68738E-05	0.000780828	0.001936854	0
2076 Jun	0.001012684	0.15126577	1.07473E-05	1.509192467	2.822799206	0.052962154	0.000276045	5.241500854	0.001395437	0.011147828	0.000432879	0.000180471	8.16818E-05	0.112295493	2.14946E-06	7.21544E-05	0.000747186	0.001822873	0
2076 Jul	0.001035916	0.154694453	1.10071E-05	1.543448091	2.885020494	0.054098397	0.000282029	5.358731747	0.001427865	0.011411132	0.000442138	0.000184982	8.35198E-05	0.114777952	2.20142E-06	7.38185E-05	0.000764134	0.001867967	0
2076 Aug	0.001081063	0.161337674	1.14903E-05	1.610294461	3.008799791	0.056377217	0.000294663	5.591098309	0.001489758	0.011908023	0.000460687	0.000192779	8.71224E-05	0.119715102	2.29806E-06	7.7035E-05	0.00079617	0.001948588	0
2076 Sep	0.001094585	0.163229063	1.16348E-05	1.629835725	3.04435277	0.056986645	0.000299083	5.659665108	0.001507747	0.012057958	0.000465514	0.000194831	8.81404E-05	0.121139593	2.32697E-06	7.80315E-05	0.000804817	0.001971605	0
2076 Oct	0.001070738	0.159323305	1.13779E-05	1.592084169	2.971942663	0.055471115	0.0002946	5.531087399	0.001472528	0.011799125	0.000452752	0.000189568	8.59612E-05	0.118271187	2.27559E-06	7.64384E-05	0.000783823	0.00192423	0
2076 Nov	0.001068	0.158836097	1.13481E-05	1.587501049	2.962954044	0.055266712	0.000294311	5.515740395	0.001468221	0.011769838	0.000450996	0.000188851	8.56823E-05	0.117916428	2.26961E-06	7.62674E-05	0.000781028	0.001918301	0
2076 Dec	0.0010686	0.1589237	1.13544E-05	1.588382363	2.964590549	0.055296503	0.000294486	5.51881361	0.001469035	0.011776465	0.000451237	0.000188953	8.57293E-05	0.117981605	2.27088E-06	7.63107E-05	0.000781451	0.001919358	0
2077 Jan	0.001068687	0.158936724	1.13553E-05	1.588511586	2.964840174	0.055301256	0.000294511	5.519272804	0.001469151	0.011777387	0.000451271	0.000188966	8.57357E-05	0.1179915	2.27106E-06	7.63169E-05	0.000781514	0.001919496	0
2077 Feb	0.001068842	0.158960611	1.13568E-05	1.588746309	2.965294123	0.055310182	0.000294552	5.520096302	0.001469364	0.011779037	0.000451338	0.000188992	8.5748E-05	0.11800947	2.27137E-06	7.63276E-05	0.000781633	0.001919759	0
2077 Mar	0.001069261	0.159023389	1.13612E-05	1.589371681	2.966469526	0.055332359	0.000294666	5.52227354	0.00146994	0.011783622	0.000451515	0.000189066	8.57815E-05	0.118056208	2.27225E-06	7.63574E-05	0.000781943	0.001920502	0
2077 Apr	0.001073265	0.159619123	1.14038E-05	1.595324636	2.977585316	0.055539839	0.000295769	5.54295969	0.001475444	0.01182773	0.000453206	0.000189774	8.61026E-05	0.118498549	2.28075E-06	7.66432E-05	0.000784873	0.001927689	0
2077 May	0.00108136	0.161102593	1.14694E-05	1.608874917	3.007153988	0.056237452	0.000297105	5.591362953	0.001487058	0.01190291	0.000459253	0.000191254	8.69336E-05	0.119648643	2.29389E-06	7.7134E-05	0.000793157	0.001939599	0
2077 Jun	0.001019023	0.152836919	1.07585E-05	1.521775365	2.857153893	0.053938031	0.000276047	5.289657116	0.001404542	0.011181749	0.000441669	0.000181382	8.25752E-05	0.113593318	2.1517E-06	7.24099E-05	0.00075697	0.001825688	0
2077 Jul	0.001068305	0.160192773	1.12931E-05	1.595151782	2.99302125	0.056472845	0.000289109	5.542750835	0.001473042	0.011731412	0.000462364	0.000190597	8.65393E-05	0.119002841	2.25861E-06	7.59331E-05	0.000793605	0.001917761	0
2077 Aug	0.001116525	0.1673325	1.18063E-05	1.666859746	3.126472712	0.058952074	0.000302542	5.792150974	0.001539284	0.012260746	0.000482572	0.000198959	9.04166E-05	0.124321744	2.36125E-06	7.93651E-05	0.000828308	0.002003665	0
2077 Sep	0.001079958	0.161328435	1.1425E-05	1.609992146	3.015574217	0.056628618	0.000295658	5.597302437	0.00148642	0.011862926	0.000462911	0.000190971	8.71804E-05	0.119957902	2.285E-06	7.68958E-05	0.000795707	0.001932719	0
2077 Oct	0.00107315	0.160067514	1.13503E-05	1.598281026	2.992364883	0.056081623	0.000295227	5.558399677	0.001475379	0.01179066	0.000458174	0.000189045	8.64504E-05	0.119043462	2.27005E-06	7.64858E-05	0.00078827	0.001917356	0
2077 Nov	0.001076045	0.160490483	1.13808E-05	1.602535963	3.000282764	0.056225948	0.000296075	5.573260784	0.001479299	0.011822572	0.000459344	0.000189529	8.6677E-05	0.119358778	2.27616E-06	7.66949E-05	0.000790309	0.001922418	0
2077 Dec	0.001076612	0.160573766	1.13868E-05	1.603372216	3.001841068	0.056254555	0.000296239	5.576178074	0.00148007	0.011828817	0.000459576	0.000189625	8.67218E-05	0.119420826	2.27736E-06	7.67357E-05	0.000790713	0.001923415	0
2078 Jan	0.001076813	0.160603791	1.13889E-05	1.603671074	3.002407789	0.056265242	0.000296296	5.577225685	0.001480343	0.011830996	0.000459659	0.000189659	8.67375E-05	0.119443335	2.27777E-06	7.675E-05	0.00079086	0.001923759	0
2078 Feb	0.001076988	0.160630479	1.13906E-05	1.603934526	3.002913713	0.056275092	0.000296342	5.578148842	0.001480583	0.011832865	0.000459734	0.000189689	8.67514E-05	0.119463384	2.27813E-06	7.67622E-05	0.000790993	0.001924058	0
2078 Mar	0.0010773	0.160677403	1.13939E-05	1.60440135	3.003794432	0.056291804	0.000296427	5.57977581	0.001481012	0.011836269	0.000459868	0.000189743	8.67764E-05	0.119498387	2.27878E-06	7.67843E-05	0.000791225	0.001924609	0
2078 Apr	0.001084547	0.161758453	1.14705E-05	1.615194917	3.024006605	0.056670699	0.00029842	5.617315292	0.001490975	0.011915874	0.000462962	0.00019102	8.73601E-05	0.120302446	2.2941E-06	7.73007E-05	0.000796549	0.001937551	0
2078 May	0.001080866	0.161999002	1.13737E-05	1.614021778	3.033915997	0.057267822	0.000294907	5.617031574	0.001487273	0.011835482	0.000460832	0.000190489	8.75784E-05	0.120621867	2.27474E-06	7.67916E-05	0.00080051	0.001923408	0
2078 Jun	0.001027768	0.15505515	1.075E-05	1.540325642	2.909827948	0.055440683	0.000276969	5.363963127	0.001416511	0.011208923	0.000455091	0.000181652	8.39349E-05	0.115596935	2.14999E-06	7.27188E-05	0.000770095	0.00182205	0
2078 Jul	0.001081874	0.163163781	1.13214E-05	1.620891809	3.060976267	0.058293041	0.000291419	5.644094944	0.001490939	0.011801157	0.000478514	0.000191234	8.83115E-05	0.12160594	2.26427E-06	7.65395E-05	0.000809964	0.001918659	0
2078 Aug	0.001110087	0.167242229	1.16225E-05	1.661938906	3.136440039	0.059654716	0.000299297	5.787547588	0.001528944	0.012107883	0.000489659	0.000195766	9.05177E-05	0.124620475	2.32451E-06	7.85128E-05	0.000828632	0.001967215	0
2078 Sep	0.001123509	0.169091374	1.17679E-05	1.68155086	3.171660662	0.060249496	0.000303896	5.856446266	0.001546917	0.012255233	0.000494313	0.000197676	9.15492E-05	0.126041815	2.35357E-06	7.94978E-05	0.000836783	0.001989681	0
2078 Oct	0.001115007	0.167621776	1.16775E-05	1.667610765	3.144291639	0.059642952	0.000302684	5.809190273	0.001533956	0.012164917	0.000489133	0.000195647	9.07159E-05	0.124961339	2.33551E-06	7.89548E-05	0.000828583	0.001972385	0
2078 Nov	0.001115467	0.167641267	1.1682E-05	1.667981029	3.144708633	0.0596282	0.000303093	5.810818672	0.001534261	0.012170568	0.000488958	0.000195589	9.07166E-05	0.124979794	2.3364E-06	7.90027E-05	0.000828437	0.001972613	0
2078 Dec	0.001115895	0.167704076	1.16865E-05	1.668611407	3.145888329	0.059649866	0.000303218	5.813024998	0.00153484	0.012175258	0.000489134	0.000195659	9.07503E-05	0.125026733	2.3373E-06	7.90335E-05	0.00082874	0.001973352	0
2079 Jan	0.001115947	0.167711943	1.1687E-05	1.668689013	3.146042109	0.059652846	0.000303234	5.813304424	0.001534908	0.012175794	0.000489154	0.000195666	9.0754E-05	0.125032812	2.33739E-06	7.90371E-05	0.000828778	0.001973428	0
2079 Feb	0.001115976	0.167717025	1.16872E-05	1.668735981	3.146145344	0.059655216	0.00030324	5.813475609	0.001534947	0.012176055	0.000489168	0.000195671	9.07562E-05	0.125036821	2.33744E-06	7.90389E-05	0.000828805	0.001973464	0
2079 Mar	0.001116757	0.167834833	1.16953E-05	1.669906259	3.148359299	0.059697423	0.000303451	5.817556381	0.001536022	0.012184549	0.000489511	0.000195807	9.08196E-05	0.125124767	2.33907E-06	7.90941E-05	0.000829388	0.001974837	0
2079 Apr	0.001121171	0.168498337	1.17415E-05	1.676506877	3.160808325	0.059933603	0.00030465	5.840553284	0.001542092	0.012232684	0.000491445	0.000196581	9.11784E-05	0.125619501	2.34831E-06	7.94066E-05	0.000832667	0.001982637	0
2079 May	0.001139306	0.171265006	1.19285E-05	1.703848362	3.21297431	0.060943902	0.000309443	5.935986042	0.001567111	0.012428523	0.000499779	0.000199771	9.268E-05	0.1276889	2.3857E-06	8.06782E-05	0.000846487	0.002014341	0
2079 Jun	0.001059478	0.159796029	1.11299E-05	1.58771956	2.993341446	0.056972824	0.000284006	5.522126198	0.001462677	0.011580129	0.00046759	0.000188835	8.65087E-05	0.11894279	2.22597E-06	7.49792E-05	0.000794335	0.001891131	0
2079 Jul	0.00106581	0.160678983	1.12258E-05	1.596664071	3.006266594	0.057159096	0.000284979	5.549208641	0.001472554	0.011666865	0.000469035	0.000190864	8.69642E-05	0.119471945	2.24516E-06	7.54576E-05	0.00079902	0.00191011	0
2079 Aug	0.001108964	0.16707553	1.16838E-05	1.660526156	3.125257254	0.05937485	0.000296674	5.771508694	0.001531608	0.012138485	0.000487204	0.000198305	9.04237E-05	0.124210566	2.33676E-06	7.84972E-05	0.000829836	0.001986476	0
2079 Sep	0.001096048	0.164768681	1.15487E-05	1.639272332	3.082736731	0.058405254	0.00029529	5.699777126	0.001511762	0.012000661	0.000478835	0.000194986	8.9145E-05	0.122543864	2.30973E-06	7.76826E-05	0.000816505	0.001959422	0
2079 Oct	0.001082513	0.162455097	1.1404E-05	1.617237449	3.039733887	0.057463363	0.000293239	5.625084877	0.001491236	0.011855864	0.000470815	0.000191787	8.78377E-05	0.120844848	2.28079E-06	7.68084E-05	0.00080367	0.001931869	0
2079 Nov	0.001077107	0.161492854	1.13459E-05	1.608190656	3.021881104	0.057056926	0.000292637	5.594659328	0.001482783	0.011798495	0.000467324	0.000190402	8.72872E-05	0.120140746	2.26918E-06	7.64708E-05	0.000798166	0.001920406	0
2079 Dec	0.001073255	0.160796836	1.13044E-05	1.601678371	3.008978605	0.056759171	0.000292269	5.572822571	0.001476691	0.011757739	0.000464758	0.000189385	8.68874E-05	0.119632222	2.26088E-06	7.62335E-05	0.000794142	0.001912112	0
2080 Jan	0.001073287	0.160801664	1.13046E-05	1.601725221	3.009081364	0.056761228	0.000292281	5.573003769	0.001476727	0.011758026	0.000464766	0.000189386	8.68889E-05	0.11963623	2.26093E-06	7.62357E-05	0.000794163	0.001912136	0
2080 Feb	0.001073424	0.160823643	1.13059E-05	1.601937175	3.009507895	0.056770086	0.000292315	5.573755741	0.001476915	0.011759419	0.000464827	0.000189409	8.68996E-05	0.119653024	2.26118E-06	7.62448E-05	0.000794275	0.001912351	0
2080 Mar	0.001073541	0.160841942	1.13071E-05	1.60211575	3.009858608	0.056777146	0.000292345	5.574384212	0.001477076	0.01176064	0.000464878	0.000189429	8.69089E-05	0.119666874	2.26141E-06	7.62528E-05	0.000794368	0.001912543	0
2080 Apr	0.001076336	0.161261171	1.13364E-05	1.606289506	3.017708302	0.056925468	0.000293105	5.588911057	0.001480922	0.011791227	0.000466089	0.000189921	8.7135E-05	0.119978912	2.26729E-06	7.64512E-05	0.000796439	0.001917514	0
2080 May	0.001094258	0.163952306	1.15248E-05	1.633068442	3.068107843	0.057879291	0.000297966	5.682113171	0.001505591	0.011987265	0.000473905	0.000193085	8.85897E-05	0.121982165	2.30496E-06	7.77223E-05	0.000809751	0.001949387	0
2080 Jun	0.001061211	0.158864558	1.12527E-05	1.583284616	2.964920998	0.055792112	0.000287612	5.497959137	0.001463739	0.011675474	0.0004564	0.000189841	8.57995E-05	0.117919564	2.25053E-06	7.55264E-05	0.000786523	0.001911901	0
2080 Jul	0.001062278	0.158848703	1.13038E-05	1.583557248	2.959537029	0.055574391	0.000287201	5.493983269	0.001466203	0.011710655	0.000454461	0.000191006	8.57479E-05	0.11773058	2.26076E-06	7.56477E-05	0.000786261	0.001923131	0
2080 Aug	0.001087681	0.162478402	1.15797E-05	1.620341659	3.026310682	0.056755431	0.000294397	5.622115612	0.001500468	0.011989596	0.000464068	0.000195127	8.77118E-05	0.120403968	2.31594E-06	7.7438E-05	0.000802736	0.001967657	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.001081569	0.161265641	1.15221E-05	1.610260606	3.004481077	0.056213491	0.000294421	5.588225842	0.001491031	0.01192434	0.000459244	0.000193247	8.70958E-05	0.119570576	2.30441E-06	7.7068E-05	0.000795027	0.001954276	0
2080 Oct	0.001068981	0.159093171	1.13881E-05	1.589644909	2.964045763	0.05531916	0.000292606	5.518366814	0.001471851	0.011790253	0.000451612	0.000190238	8.58657E-05	0.117974274	2.27762E-06	7.62609E-05	0.000782894	0.0019286	0
2080 Nov	0.001062227	0.157869846	1.1316E-05	1.57821548	2.941307545	0.054793153	0.000291954	5.479968071	0.001461189	0.011719104	0.000447077	0.000188468	8.51634E-05	0.117078654	2.26321E-06	7.58454E-05	0.000775818	0.001914189	0
2080 Dec	0.001062279	0.157860875	1.13165E-05	1.578186631	2.941149473	0.054782428	0.000292062	5.479972363	0.001461154	0.011719917	0.000446971	0.000188432	8.51552E-05	0.117073052	2.26331E-06	7.58542E-05	0.000775692	0.001914101	0
2081 Jan	0.001062436	0.157884255	1.13181E-05	1.57841897	2.941593885	0.054790832	0.000292107	5.480792046	0.001461364	0.011721596	0.000447033	0.000188457	8.51671E-05	0.117090687	2.26362E-06	7.58653E-05	0.000775805	0.001914359	0
2081 Feb	0.00106253	0.157899439	1.1319E-05	1.578565836	2.941888094	0.054796908	0.000292131	5.481312752	0.001461495	0.011722567	0.000447075	0.000188472	8.51745E-05	0.117102273	2.2638E-06	7.58717E-05	0.000775883	0.00191451	0
2081 Mar	0.001062895	0.157954261	1.13228E-05	1.57911098	2.942915201	0.054816373	0.00029223	5.48321104	0.001461996	0.01172655	0.000447229	0.000188536	8.52036E-05	0.117143102	2.26457E-06	7.58976E-05	0.000776154	0.001915156	0
2081 Apr	0.001067118	0.158582956	1.13677E-05	1.585390687	2.954641342	0.055035464	0.000293388	5.505028248	0.001467804	0.01177305	0.000449008	0.000189284	8.55418E-05	0.117609724	2.27354E-06	7.61986E-05	0.000779246	0.001922741	0
2081 May	0.001073458	0.160034016	1.13983E-05	1.597562671	2.985105276	0.055869143	0.000293486	5.549699306	0.001477408	0.011817417	0.000456412	0.000190498	8.63756E-05	0.118773758	2.27966E-06	7.6491E-05	0.000788165	0.001929387	0
2081 Jun	0.001040519	0.155736327	1.10138E-05	1.55188477	2.90798831	0.054734793	0.000282219	5.392395496	0.001433698	0.011430304	0.000447885	0.000185145	8.41186E-05	0.115651049	2.20276E-06	7.39652E-05	0.000769485	0.001867384	0
2081 Jul	0.001101343	0.164820507	1.1662E-05	1.642446399	3.07703495	0.057903819	0.00029863	5.706537247	0.001517609	0.012100976	0.000473802	0.000196073	8.90203E-05	0.122376792	2.3324E-06	7.82928E-05	0.000814336	0.00197755	0
2081 Aug	0.001162941	0.173987746	1.23162E-05	1.734115601	3.248160124	0.061102204	0.000315528	6.02517128	0.001602331	0.012777627	0.000499928	0.000206903	9.39813E-05	0.129189491	2.46323E-06	8.26728E-05	0.000859239	0.002087768	0
2081 Sep	0.001171503	0.175072819	1.24108E-05	1.746231437	3.269002438	0.061408333	0.000318978	6.068104744	0.001613417	0.012872755	0.000502178	0.000207889	9.45911E-05	0.130040631	2.48217E-06	8.33247E-05	0.000863468	0.002101402	0
2081 Oct	0.001170249	0.174736515	1.23962E-05	1.743408322	3.26290226	0.061225589	0.0003195	6.059352398	0.001610687	0.012860692	0.000500522	0.000207236	9.43797E-05	0.129803479	2.47924E-06	8.32813E-05	0.000861073	0.002097302	0
2081 Nov	0.001159186	0.172912896	1.22775E-05	1.725826144	3.229055643	0.060511861	0.000317476	5.999464035	0.001594303	0.012741085	0.0004945	0.000204782	9.33603E-05	0.128463373	2.45549E-06	8.25467E-05	0.000851238	0.002075339	0
2081 Dec	0.001158826	0.172831059	1.22734E-05	1.725109935	3.227561235	0.060470957	0.00031754	5.997174263	0.001593618	0.012737453	0.000494135	0.000204637	9.33105E-05	0.128404975	2.45468E-06	8.25297E-05	0.000850696	0.002074345	0
2082 Jan	0.001158898	0.172841966	1.2274E-05	1.725216866	3.227777481	0.060475182	0.000317563	5.997565269	0.001593711	0.012738177	0.00049416	0.000204645	9.33153E-05	0.128413513	2.45481E-06	8.25348E-05	0.000850747	0.002074439	0
2082 Feb	0.001159125	0.172877342	1.22763E-05	1.725562692	3.228454351	0.060488731	0.000317622	5.998782635	0.001594022	0.012740555	0.000494259	0.000204684	9.33331E-05	0.128440246	2.45525E-06	8.25503E-05	0.000850925	0.002074814	0
2082 Mar	0.001159855	0.172987044	1.22839E-05	1.726653695	3.230511904	0.060527761	0.00031782	6.002583504	0.001595026	0.012748516	0.000494571	0.000204812	9.33917E-05	0.128522024	2.45678E-06	8.2602E-05	0.000851467	0.002076104	0
2082 Apr	0.001163579	0.173542976	1.23233E-05	1.732200384	3.240898848	0.060722645	0.000318839	6.02187109	0.001600147	0.012789415	0.00049616	0.000205469	9.36915E-05	0.128935203	2.46466E-06	8.2867E-05	0.000854204	0.002082761	0
2082 May	0.001181848	0.176268801	1.25167E-05	1.75940311	3.291811228	0.061677113	0.000323842	6.116445541	0.001625272	0.012990164	0.000503959	0.000208695	9.5163E-05	0.130960584	2.50334E-06	8.41678E-05	0.000867625	0.002115451	0
2082 Jun	0.00110219	0.164138749	1.18016E-05	1.639968872	3.051874399	0.056933716	0.000299836	5.682875156	0.001521758	0.012199397	0.000464463	0.000198938	8.85472E-05	0.121484995	2.36031E-06	7.87538E-05	0.000811004	0.002008762	0
2082 Jul	0.001078631	0.160410196	1.16245E-05	1.603697777	2.974138021	0.055306662	0.000292212	5.546995163	0.001492143	0.011986524	0.000450777	0.000196943	8.64821E-05	0.11843504	2.3249E-06	7.72033E-05	0.000793602	0.001985535	0
2082 Aug	0.001120811	0.16656886	1.20829E-05	1.665965676	3.0882833	0.057380512	0.000304072	5.762732029	0.001550113	0.012454591	0.000467583	0.000204325	8.98237E-05	0.122995727	2.41659E-06	8.02229E-05	0.000823175	0.00206219	0
2082 Sep	0.001133638	0.168318301	1.22225E-05	1.684367299	3.121145487	0.05792141	0.000308473	5.827257633	0.00156711	0.012597917	0.000471795	0.000206205	9.07714E-05	0.124318659	2.4445E-06	8.11789E-05	0.000830939	0.002084077	0
2082 Oct	0.001093652	0.16193752	1.17887E-05	1.622122765	3.00317049	0.055526152	0.000300125	5.614840508	0.00150892	0.012159294	0.000451788	0.000197694	8.72421E-05	0.119637258	2.35773E-06	7.84521E-05	0.00079727	0.002005391	0
2082 Nov	0.001095469	0.16217351	1.18081E-05	1.624607325	3.007561684	0.055591892	0.000300808	5.623643398	0.001511216	0.012179975	0.000452285	0.000197934	8.73627E-05	0.119813576	2.36163E-06	7.85926E-05	0.000798272	0.002008367	0
2082 Dec	0.001096116	0.162267849	1.18151E-05	1.625557661	3.009313345	0.055623598	0.000300995	5.626943588	0.001512098	0.012187185	0.000452542	0.000198047	8.74132E-05	0.119883411	2.36302E-06	7.86395E-05	0.000798729	0.002009533	0
2083 Jan	0.00109628	0.162292272	1.18168E-05	1.625801325	3.009772778	0.055632193	0.000301041	5.62779665	0.001512322	0.012188976	0.000452607	0.000198074	8.74259E-05	0.119901679	2.36336E-06	7.86512E-05	0.000798848	0.002009817	0
2083 Feb	0.0010967	0.162355229	1.18212E-05	1.626428246	3.01094842	0.055654362	0.000301155	5.629974365	0.001512901	0.012193589	0.000452782	0.000198149	8.74592E-05	0.119948417	2.36425E-06	7.86811E-05	0.00079916	0.002010571	0
2083 Mar	0.001097619	0.162491724	1.18311E-05	1.62779367	3.013484478	0.055701472	0.000301406	5.634705067	0.001514169	0.012203777	0.000453162	0.000198315	8.75324E-05	0.120049395	2.36622E-06	7.87469E-05	0.000799833	0.002012248	0
2083 Apr	0.001102356	0.163193181	1.18821E-05	1.634819508	3.026495934	0.055942118	0.000302706	5.65902853	0.001520703	0.012256424	0.000455118	0.00019917	8.79101E-05	0.120567717	2.37643E-06	7.90866E-05	0.000803286	0.002020927	0
2083 May	0.001113516	0.165279046	1.19715E-05	1.653728724	3.06810236	0.056939054	0.000304364	5.726471901	0.001536888	0.012359116	0.000463786	0.000201286	8.90818E-05	0.122183733	2.3943E-06	7.97525E-05	0.000815106	0.002037491	0
2083 Jun	0.001046612	0.156397402	1.11995E-05	1.560161829	2.9079175	0.054491255	0.000282075	5.403832912	0.001447745	0.011579301	0.000445103	0.000190305	8.44019E-05	0.11571379	2.2399E-06	7.46709E-05	0.000775841	0.00191237	0
2083 Jul	0.001072199	0.160135075	1.14877E-05	1.597521305	2.975212097	0.055701349	0.000288635	5.531639099	0.00148326	0.011869721	0.000454967	0.000195217	8.6397E-05	0.118401356	2.29754E-06	7.64966E-05	0.000793974	0.001961987	0
2083 Aug	0.001093878	0.163111866	1.17269E-05	1.627596259	3.028324604	0.056583304	0.000294609	5.636780739	0.001511624	0.012106593	0.000462214	0.000198436	8.79773E-05	0.120534427	2.34537E-06	7.79845E-05	0.000806136	0.001998869	0
2083 Sep	0.001086632	0.161723539	1.16488E-05	1.615083456	3.003007412	0.055970516	0.000294424	5.595381737	0.001499785	0.012029341	0.000456858	0.000196243	8.71928E-05	0.119544491	2.32976E-06	7.75539E-05	0.000797673	0.001982078	0
2083 Oct	0.001055151	0.156535164	1.13081E-05	1.565036416	2.906988144	0.053948529	0.000288722	5.425352573	0.001452999	0.011687033	0.000439811	0.000189146	8.42939E-05	0.115741633	2.26162E-06	7.54572E-05	0.000769573	0.001918712	0
2083 Nov	0.001046548	0.155099764	1.12149E-05	1.551245332	2.880429506	0.053381953	0.00028726	5.378603935	0.001440098	0.011593706	0.00043502	0.000187159	8.34887E-05	0.114690401	2.24298E-06	7.48893E-05	0.000761721	0.001901196	0
2083 Dec	0.001046924	0.155153662	1.12189E-05	1.551791191	2.88143301	0.053399667	0.000287374	5.380510807	0.001440603	0.011597896	0.000435162	0.00018722	8.35173E-05	0.114730425	2.24379E-06	7.49169E-05	0.000761976	0.001901854	0
2084 Jan	0.001046992	0.15516381	1.12196E-05	1.551891923	2.881629705	0.053403422	0.000287395	5.380870819	0.001440692	0.011598608	0.000435187	0.00018723	8.35222E-05	0.114738204	2.24392E-06	7.49217E-05	0.000762025	0.001901957	0
2084 Feb	0.001047147	0.155187637	1.12211E-05	1.552125812	2.882081509	0.053412311	0.000287435	5.381690979	0.001440905	0.011600255	0.000435253	0.000187257	8.35343E-05	0.1147561	2.24423E-06	7.49324E-05	0.000762144	0.001902221	0
2084 Mar	0.00104802	0.1553175	1.12304E-05	1.553422332	2.884498596	0.053457376	0.000287674	5.386190891	0.001442106	0.011609889	0.000435617	0.000187412	8.36038E-05	0.114852279	2.24609E-06	7.49947E-05	0.000762783	0.001903797	0
2084 Apr	0.001054697	0.15630734	1.1302E-05	1.563320994	2.902884245	0.053798273	0.000289506	5.420516014	0.001451294	0.011683838	0.000438393	0.000188606	8.41364E-05	0.115584314	2.26039E-06	7.54724E-05	0.000767645	0.001915921	0
2084 May	0.001064667	0.158361718	1.13653E-05	1.581202626	2.945123196	0.054885834	0.000290424	5.485508919	0.001465912	0.011764338	0.000448003	0.00019043	8.53056E-05	0.117209919	2.27305E-06	7.60024E-05	0.000779718	0.001928139	0
2084 Jun	0.001002239	0.14995639	1.06456E-05	1.493219733	2.793500423	0.052508302	0.000270224	5.182771683	0.001382067	0.011037582	0.000429687	0.000179856	8.08645E-05	0.111094847	2.12912E-06	7.12861E-05	0.000741816	0.001810126	0
2084 Jul	0.001038098	0.155269518	1.10356E-05	1.546164513	2.891092062	0.054311503	0.000279674	5.365515709	0.001431606	0.011437183	0.000444433	0.000186463	8.37157E-05	0.114981882	2.20711E-06	7.38371E-05	0.000767862	0.001876739	0
2084 Aug	0.001071437	0.160132676	1.13943E-05	1.595264316	2.981444836	0.055956025	0.000289066	5.53626442	0.001477141	0.011803914	0.000457803	0.000192119	8.63556E-05	0.118590742	2.27887E-06	7.62062E-05	0.000790922	0.001936001	0
2084 Sep	0.001066879	0.159216762	1.135E-05	1.587660193	2.965089083	0.055545922	0.000289196	5.510941982	0.001469954	0.011754922	0.000454145	0.000190647	8.58859E-05	0.117965683	2.27001E-06	7.5935E-05	0.000785053	0.001925579	0
2084 Oct	0.001048125	0.156061366	1.11465E-05	1.5574615	2.906820297	0.05429171	0.000286202	5.408770084	0.001441664	0.01155186	0.000443505	0.000186235	8.41124E-05	0.115660377	2.2293E-06	7.47084E-05	0.000767702	0.001887049	0
2084 Nov	0.001042875	0.155153021	1.1089E-05	1.548840284	2.890094995	0.053921737	0.000285513	5.379815102	0.001433554	0.011495077	0.000440348	0.000184915	8.35973E-05	0.114999309	2.21779E-06	7.43718E-05	0.000762582	0.001875851	0
2084 Dec	0.001043404	0.155230135	1.10946E-05	1.549615979	2.891533852	0.053947844	0.000285667	5.382521152	0.00143427	0.011500928	0.00044056	0.000185004	8.36385E-05	0.115056626	2.21891E-06	7.441E-05	0.000762953	0.001876783	0
2085 Jan	0.001043441	0.155235767	1.10949E-05	1.549671292	2.891645432	0.053950023	0.000285679	5.382722855	0.001434318	0.011501302	0.000440572	0.000185008	8.3641E-05	0.115061022	2.21898E-06	7.44126E-05	0.00076298	0.001876831	0
2085 Feb	0.001043605	0.15526098	1.10966E-05	1.549919009	2.892123699	0.053959403	0.000285722	5.383591652	0.001434543	0.011503049	0.000440643	0.000185036	8.36539E-05	0.115079962	2.21931E-06	7.4424E-05	0.000763105	0.00187711	0
2085 Mar	0.001043937	0.155310854	1.11E-05	1.550415039	2.893057585	0.053977083	0.000285812	5.385318756	0.001435	0.011506679	0.000440784	0.000185095	8.36805E-05	0.115117073	2.22001E-06	7.44475E-05	0.000763352	0.001877699	0
2085 Apr	0.001047533	0.155846104	1.11382E-05	1.555756927	2.903030396	0.0541633	0.000286796	5.403875828	0.001439943	0.011546296	0.000442302	0.000185732	8.39686E-05	0.115513876	2.22765E-06	7.47039E-05	0.000765983	0.001884162	0
2085 May	0.00105573	0.157546848	1.11888E-05	1.570539117	2.938156843	0.055071816	0.000287542	5.457743645	0.001451956	0.011611465	0.000450335	0.000187208	8.49392E-05	0.11686518	2.23777E-06	7.51355E-05	0.000775991	0.001893907	0
2085 Jun	0.001043185	0.156316921	1.10135E-05	1.555371404	2.919097424	0.055043902	0.000281946	5.407398701	0.001436065	0.011444123	0.000450897	0.000185267	8.43447E-05	0.116047859	2.2027E-06	7.4049E-05	0.000772354	0.001866682	0
2085 Jul	0.001091207	0.16344519	1.15254E-05	1.626306295	3.051124334	0.057500713	0.00029481	5.653769016	0.001501881	0.011972344	0.000471041	0.000193744	8.81757E-05	0.121301368	2.30508E-06	7.74447E-05	0.000806994	0.001952887	0
2085 Aug	0.001099662	0.164482653	1.16231E-05	1.637943625	3.070223093	0.057762723	0.000297895	5.694845676	0.001512756	0.012064333	0.000473011	0.00019464	8.87725E-05	0.122090161	2.32463E-06	7.80449E-05	0.000810327	0.001966269	0
2085 Sep	0.001076659	0.160619274	1.13825E-05	1.601821303	2.99930954	0.056242563	0.000294149	5.571768761	0.001479018	0.01181383	0.000460055	0.000189311	8.66931E-05	0.119306281	2.2765E-06	7.65142E-05	0.000788895	0.001920292	0
2085 Oct	0.00105696	0.157369077	1.1169E-05	1.570509553	2.939253807	0.05497665	0.000290632	5.465468407	0.001449715	0.011599466	0.000449375	0.000184845	8.48785E-05	0.11692813	2.23379E-06	7.52042E-05	0.000771277	0.001880498	0
2085 Nov	0.001046994	0.155729651	1.1061E-05	1.554700017	2.908949375	0.054339826	0.000288822	5.411754131	0.001434927	0.011491011	0.000444006	0.000182603	8.3964E-05	0.115727946	2.21221E-06	7.45401E-05	0.000762415	0.001860448	0
2085 Dec	0.001047231	0.15576297	1.10635E-05	1.555039763	2.909574032	0.054350581	0.000288899	5.412950993	0.001435239	0.01149364	0.000444092	0.000182639	8.39816E-05	0.115752883	2.2127E-06	7.45576E-05	0.000762568	0.001860845	0
2086 Jan	0.001047286	0.155771211	1.1064E-05	1.555121064	2.90973568	0.05435371	0.000288916	5.413244724	0.00143531	0.011494201	0.000444112	0.000182646	8.39854E-05	0.115759261	2.2128E-06	7.45614E-05	0.000762607	0.001860922	0
2086 Feb	0.001047359	0.155782953	1.10647E-05	1.555233955	2.9099648	0.054358516	0.000288934	5.413646698	0.001435409	0.011494931	0.000444144	0.000182657	8.3991E-05	0.115768269	2.21294E-06	7.45663E-05	0.000762667	0.001861033	0
2086 Mar	0.001047778	0.155845791	1.10691E-05	1.555858731	2.911143541	0.054380819	0.000289049	5.415826797	0.001435983	0.011499492	0.000444322	0.00018273	8.40244E-05	0.115815103	2.21381E-06	7.45959E-05	0.000762976	0.001861768	0
2086 Apr	0.001052596	0.156562775	1.11199E-05	1.563015342	2.924539804	0.054631229	0.000290377	5.440741062	0.001442587	0.011552354	0.000446366	0.00018357	8.44108E-05	0.116348028	2.22399E-06	7.49389E-05	0.000766487	0.001870324	0
2086 May	0.001068427	0.159056544	1.12767E-05	1.587281108	2.972109795	0.055592895	0.000294311	5.52591753	0.001464506	0.011718868	0.000454399	0.000186341	8.57711E-05	0.118227221	2.25534E-06	7.6022E-05	0.00077918	0.001897034	0
2086 Jun	0.001011859	0.151471004	1.06457E-05	1.507924914	2.833196878	0.053401306	0.000275347	5.249391079	0.001390005	0.011074094	0.00043743	0.000177679	8.17649E-05	0.11263366	2.12914E-06	7.17812E-05	0.000745968	0.001796906	0
2086 Jul	0.001045325	0.156407103	1.10185E-05	1.557221889	2.922879696	0.055039138	0.000284003	5.418334484	0.001436604	0.011452479	0.000450782	0.000184115	8.44093E-05	0.116211005	2.2037E-06	7.41756E-05	0.000770289	0.001861396	0
2086 Aug	0.001073771	0.16047366	1.1325E-05	1.598537326	2.998188496	0.056375775	0.000292206	5.562636852	0.001474907	0.011763162	0.00046164	0.000188627	8.66186E-05	0.119226389	2.265E-06	7.61809E-05	0.000788712	0.001910507	0
2086 Sep	0.001060339	0.158054397	1.11924E-05	1.577233315	2.954253912	0.055368993	0.000290922	5.49019289	0.001455029	0.011618268	0.000452856	0.000185146	8.53683E-05	0.117527291	2.23848E-06	7.53183E-05	0.000774434	0.001883077	0
2086 Oct	0.001057693	0.157480806	1.11626E-05	1.572156668	2.943789721	0.055091202	0.000291242	5.473844051	0.001450181	0.01159108	0.00045039	0.000184154	8.50239E-05	0.11711777	2.23253E-06	7.51843E-05	0.000770715	0.001876057	0
2086 Nov	0.001060639	0.157914191	1.11937E-05	1.576502204	2.951898575	0.055240545	0.000292084	5.489013672	0.001454185	0.011623421	0.000451606	0.000184651	8.52568E-05	0.117440574	2.23873E-06	7.53953E-05	0.000772809	0.001881214	0
2086 Dec	0.001061065	0.157976449	1.11982E-05	1.577127814	2.953063488	0.055261809	0.000292208	5.49119997	0.001454761	0.011628102	0.000451778	0.000184722	8.52902E-05	0.117486969	2.23963E-06	7.5426E-05	0.000773108	0.001881956	0
2087 Jan	0.001061152	0.157989308	1.1199E-05	1.577255726	2.953309059	0.05526647	0.000292233	5.491652012	0.001454877	0.01162902	0.000451813	0.000184735	8.52967E-05	0.117496707	2.2398E-06	7.54321E-05	0.00077317	0.001882095	0
2087 Feb	0.001061472	0.158037692	1.12023E-05	1.577735901	2.954219341	0.055283837	0.00029232	5.493329525	0.001455316	0.011632495	0.00045195	0.00018479	8.53224E-05	0.117532849	2.24047E-06	7.54546E-05	0.000773409	0.001882653	0
2087 Mar	0.001062577	0.158202529	1.1214E-05	1.579380035	2.957304001	0.055341743	0.000292624	5.499056816	0.001456831	0.01164458	0.000452421	0.000184982	8.54111E-05	0.117655538	2.24279E-06	7.55331E-05	0.000774216	0.001884607	0
2087 Apr	0.001065165	0.158587933	1.12413E-05	1.583226681	2.964510441	0.055476703	0.000293336	5.512452126	0.001460379	0.011672921	0.000453523	0.000185433	8.5619E-05	0.117942229	2.24825E-06	7.57169E-05	0.000776103	0.001889192	0
2087 May	0.001069262	0.159476876	1.12637E-05	1.590847254	2.983097315	0.055970669	0.000293593	5.540387154	0.001466458	0.011703352	0.000457912	0.000186168	8.61317E-05	0.118655331	2.25273E-06	7.59197E-05	0.00078142	0.001893647	0
2087 Jun	0.001039307	0.155867383	1.08957E-05	1.551060081	2.920413256	0.055231027	0.000282371	5.404321671	0.00142749	0.011338417	0.000452892	0.000181475	8.4281E-05	0.116086431	2.17915E-06	7.35384E-05	0.000767105	0.001835457	0
2087 Jul	0.001074096	0.160984337	1.12694E-05	1.6020118	3.014527321	0.056960531	0.000291622	5.581233978	0.001474946	0.011721257	0.000467092	0.000187541	8.70248E-05	0.119835332	2.25389E-06	7.59853E-05	0.000791504	0.001897836	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.001119256	0.167668194	1.17461E-05	1.668782592	3.139180899	0.059279438	0.000304016	5.814107418	0.001536541	0.012213564	0.000486092	0.000195208	9.06375E-05	0.124798663	2.34922E-06	7.9169E-05	0.000823603	0.001976919	0
2087 Sep	0.001138782	0.170443386	1.19513E-05	1.697078228	3.191385746	0.06019742	0.000310183	5.913593769	0.001562494	0.012428288	0.000493447	0.000198198	9.21223E-05	0.126883119	2.39026E-06	8.05931E-05	0.000836467	0.00200979	0
2087 Oct	0.001131941	0.169231519	1.18781E-05	1.6856848	3.168902397	0.05968722	0.000309405	5.875184059	0.001551864	0.012356034	0.00048906	0.000196479	9.14298E-05	0.125996321	2.37563E-06	8.01677E-05	0.000829603	0.001995489	0
2087 Nov	0.001128983	0.168705285	1.18465E-05	1.68074429	3.159141541	0.059464835	0.000309081	5.858542919	0.001547253	0.012324824	0.000487147	0.000195729	9.11287E-05	0.125611395	2.3693E-06	7.99844E-05	0.000826613	0.001989278	0
2087 Dec	0.001129404	0.168766588	1.18509E-05	1.681361079	3.160291672	0.059485726	0.000309206	5.860703945	0.00154782	0.012329445	0.000487316	0.000195798	9.11615E-05	0.125657171	2.37018E-06	8.00148E-05	0.000826905	0.001990001	0
2088 Jan	0.001129577	0.168792427	1.18526E-05	1.681617498	3.160782099	0.059495039	0.000309255	5.861607552	0.001548052	0.01233129	0.000487387	0.000195825	9.11748E-05	0.125676632	2.37053E-06	8.0027E-05	0.00082703	0.001990287	0
2088 Feb	0.001129691	0.168810382	1.18537E-05	1.681792498	3.16112709	0.059501998	0.000309285	5.862225533	0.001548209	0.01233248	0.000487438	0.000195844	9.11839E-05	0.125690252	2.37075E-06	8.00348E-05	0.000827121	0.001990473	0
2088 Mar	0.001130935	0.168996707	1.18668E-05	1.68364656	3.164620638	0.059568014	0.000309624	5.868692875	0.001549914	0.012346026	0.000487975	0.00019606	9.12842E-05	0.125829116	2.37335E-06	8.01227E-05	0.000828035	0.001992655	0
2088 Apr	0.001141522	0.170579314	1.19778E-05	1.699410439	3.194262981	0.060126331	0.000312521	5.923646927	0.001564422	0.012461551	0.000492544	0.000197894	9.21385E-05	0.127007663	2.39555E-06	8.08725E-05	0.000835791	0.002011296	0
2088 May	0.001165255	0.17415297	1.22242E-05	1.734888196	3.261432409	0.061405424	0.000318949	6.047533989	0.00159696	0.012718873	0.000502875	0.000201989	9.40535E-05	0.129675582	2.44484E-06	8.25445E-05	0.000853376	0.002052672	0
2088 Jun	0.001129542	0.168837145	1.19191E-05	1.682179451	3.154502392	0.059328422	0.000307187	5.85283947	0.001552227	0.012374309	0.000485622	0.000198598	9.11617E-05	0.125452131	2.38382E-06	8.0123E-05	0.000829939	0.002011125	0
2088 Jul	0.001174357	0.175474077	1.24187E-05	1.748607397	3.275555849	0.061550301	0.000318878	6.080239296	0.001614959	0.012882264	0.000503676	0.000207329	9.47289E-05	0.130281165	2.48374E-06	8.33473E-05	0.000863039	0.002098134	0
2088 Aug	0.001248758	0.186526492	1.32079E-05	1.85915029	3.481849909	0.065398969	0.00033933	6.464787483	0.00171708	0.013698252	0.000535113	0.000220293	0.000100708	0.138495043	2.64159E-06	8.86294E-05	0.000916906	0.002230583	0
2088 Sep	0.001269129	0.189460307	1.34249E-05	1.889041781	3.536896944	0.066384576	0.000345495	6.569259167	0.001744621	0.013922478	0.00054304	0.000223586	0.000102297	0.140695095	2.68498E-06	9.01017E-05	0.000930722	0.002265928	0
2088 Oct	0.001230396	0.183214128	1.30111E-05	1.828426361	3.42085433	0.063993812	0.000337651	6.361747265	0.001688263	0.0135031	0.000522977	0.00021543	9.88319E-05	0.136096269	2.60222E-06	8.74961E-05	0.000897753	0.002191059	0
2088 Nov	0.001225381	0.182338744	1.2957E-05	1.820152283	3.404665947	0.063631877	0.000337023	6.33386898	0.001680519	0.013449588	0.000519878	0.000214183	9.83339E-05	0.135457009	2.59139E-06	8.71794E-05	0.000892829	0.002180544	0
2088 Dec	0.001226044	0.182435632	1.2964E-05	1.821125627	3.406476974	0.063664913	0.000337215	6.337268829	0.001681416	0.013456886	0.000520146	0.000214294	9.83858E-05	0.135529131	2.59279E-06	8.72271E-05	0.000893295	0.002181702	0
2089 Jan	0.001226177	0.18245554	1.29653E-05	1.821323395	3.406856537	0.06367211	0.000337254	6.337967873	0.001681595	0.013458308	0.000520199	0.000214314	9.83959E-05	0.135544181	2.59306E-06	8.72366E-05	0.000893391	0.002181919	0
2089 Feb	0.001226424	0.182493135	1.29678E-05	1.821694493	3.407567978	0.063685916	0.00033732	6.339267731	0.001681933	0.013460948	0.000520305	0.000214357	9.84155E-05	0.135572389	2.59356E-06	8.72538E-05	0.000893577	0.00218234	0
2089 Mar	0.001228095	0.182742223	1.29854E-05	1.824178457	3.412223816	0.063773215	0.000337778	6.34791708	0.001684224	0.013479248	0.000521014	0.000214648	9.85494E-05	0.13575758	2.59708E-06	8.73724E-05	0.000894798	0.002185303	0
2089 Apr	0.00123548	0.183841497	1.30635E-05	1.835150003	3.432753563	0.064157106	0.000339808	6.386099815	0.001694352	0.013560279	0.000524148	0.000215938	9.9142E-05	0.136574328	2.61269E-06	8.78977E-05	0.000900182	0.002198437	0
2089 May	0.001244544	0.1856215	1.31282E-05	1.850971818	3.468908548	0.065057509	0.000340926	6.443147182	0.001707555	0.013638306	0.000532024	0.000217607	0.000100148	0.137972087	2.62564E-06	8.84091E-05	0.000910448	0.002210591	0
2089 Jun	0.001223463	0.183420748	1.28477E-05	1.824820757	3.433086634	0.064865053	0.00033187	6.35490942	0.001680904	0.01336686	0.00053158	0.0002145	9.90628E-05	0.136462718	2.56954E-06	8.66356E-05	0.000903395	0.002167478	0
2089 Jul	0.001272213	0.190616772	1.33677E-05	1.896426082	3.565984011	0.067321703	0.000344907	6.603896618	0.00174739	0.013901771	0.000551745	0.000222956	0.000102924	0.141753212	2.67355E-06	9.00662E-05	0.00093787	0.00225427	0
2089 Aug	0.001321891	0.197915554	1.38942E-05	1.969242692	3.701254368	0.069813065	0.000358434	6.857942104	0.001814756	0.014443357	0.000572189	0.000231287	0.00010685	0.147141114	2.77883E-06	9.3552E-05	0.000972366	0.002340955	0
2089 Sep	0.001327815	0.198569983	1.39565E-05	1.97677803	3.713869572	0.069945678	0.000361384	6.885617733	0.001821539	0.01451063	0.00057301	0.000231674	0.000107177	0.147656053	2.7913E-06	9.40386E-05	0.000974394	0.002348884	0
2089 Oct	0.001279632	0.190796927	1.34447E-05	1.901399612	3.569193363	0.066962063	0.000351556	6.627155781	0.001751598	0.013990377	0.00054796	0.000221619	0.000102867	0.141924739	2.68894E-06	9.07989E-05	0.000933412	0.002256507	0
2089 Nov	0.001278811	0.190596491	1.34352E-05	1.899674654	3.565546274	0.06685809	0.000351783	6.621726513	0.001749938	0.013982181	0.000547026	0.000221246	0.000102743	0.141782492	2.68704E-06	9.0764E-05	0.000932033	0.002254042	0
2089 Dec	0.001279606	0.19071351	1.34436E-05	1.900846481	3.567737341	0.066898465	0.00035201	6.62582159	0.001751016	0.013990899	0.000547355	0.000221379	0.000102806	0.141869679	2.68871E-06	9.08209E-05	0.000932598	0.002255426	0
2090 Jan	0.001279954	0.190765411	1.34471E-05	1.901362896	3.56871438	0.066916868	0.000352108	6.627630711	0.001751488	0.013994667	0.0005475	0.000221437	0.000102834	0.141908497	2.68943E-06	9.08455E-05	0.000932851	0.002256021	0
2090 Feb	0.001280368	0.190827921	1.34514E-05	1.901982307	3.569892168	0.066939384	0.00035222	6.629797459	0.001752055	0.01399914	0.000547679	0.000221508	0.000102867	0.141955242	2.69028E-06	9.08746E-05	0.000933158	0.002256737	0
2090 Mar	0.001281666	0.19102174	1.3465E-05	1.903912187	3.573522329	0.067007698	0.000352576	6.636528969	0.001753831	0.014013296	0.000548234	0.000221732	0.000102971	0.142099559	2.693E-06	9.09666E-05	0.000934107	0.002259016	0
2090 Apr	0.0012862	0.191697896	1.35126E-05	1.910650134	3.586173773	0.067245059	0.000353823	6.66001749	0.001760036	0.014062863	0.000550174	0.000222516	0.000103335	0.142602593	2.70252E-06	9.12884E-05	0.000937414	0.002267004	0
2090 May	0.001301218	0.194006667	1.36652E-05	1.933342218	3.629844189	0.068100654	0.000357729	6.739449024	0.001780707	0.014223506	0.000557262	0.000225126	0.000104587	0.144332454	2.73304E-06	9.23323E-05	0.000948956	0.002292803	0
2090 Jun	0.00122076	0.182963938	1.27798E-05	1.819043994	3.42646575	0.064748868	0.000331752	6.340938568	0.00167392	0.013315476	0.000530915	0.000212529	9.87231E-05	0.136166483	2.55597E-06	8.63736E-05	0.000899398	0.002150937	0
2090 Jul	0.001260115	0.188799635	1.32094E-05	1.877209067	3.533540726	0.066727474	0.000342085	6.541424751	0.001728422	0.013755194	0.000547078	0.000219858	0.000101855	0.140431717	2.64188E-06	8.91777E-05	0.000928116	0.002224601	0
2090 Aug	0.001248428	0.186635107	1.31032E-05	1.85849762	3.493283272	0.065790832	0.000340652	6.477228642	0.001711312	0.01362696	0.000538989	0.000216737	0.000100781	0.138890788	2.62064E-06	8.83721E-05	0.000914435	0.002201098	0
2090 Sep	0.001214791	0.181128591	1.27526E-05	1.806049705	3.391185045	0.063654214	0.000334209	6.297221184	0.001662683	0.013263662	0.000520928	0.000209544	9.77857E-05	0.134866446	2.55051E-06	8.61149E-05	0.000884855	0.002136621	0
2090 Oct	0.001167235	0.173383191	1.22483E-05	1.731219411	3.246989727	0.060648769	0.000324888	6.040935516	0.001593259	0.012751505	0.000495625	0.000199449	9.34823E-05	0.129158258	2.44966E-06	8.29384E-05	0.000843685	0.002044891	0
2090 Nov	0.001151713	0.170885041	1.20839E-05	1.706983089	3.200446606	0.059691198	0.000321675	5.957727909	0.001570798	0.01258404	0.00048759	0.000196242	9.20993E-05	0.127314627	2.41678E-06	8.18929E-05	0.000830548	0.002015325	0
2090 Dec	0.00115226	0.170963868	1.20897E-05	1.707779288	3.201925516	0.059717651	0.000321842	5.960523129	0.001571529	0.012590056	0.000487804	0.000196328	9.21413E-05	0.127373561	2.41793E-06	8.19326E-05	0.000830919	0.002016255	0
2091 Jan	0.001152391	0.170983419	1.2091E-05	1.70797348	3.20229888	0.059724722	0.00032188	5.961211205	0.001571704	0.012591449	0.000487856	0.000196348	9.21512E-05	0.127388358	2.41819E-06	8.19419E-05	0.000831013	0.002016465	0
2091 Feb	0.001152478	0.170997232	1.20918E-05	1.708107114	3.202566862	0.059730232	0.000321902	5.961686134	0.001571822	0.012592333	0.000487894	0.000196362	9.21579E-05	0.127398923	2.41835E-06	8.19478E-05	0.000831083	0.0020166	0
2091 Mar	0.001154362	0.17127727	1.21115E-05	1.710902095	3.207816601	0.059828427	0.000322427	5.971446037	0.001574392	0.012612882	0.000488692	0.000196682	9.23085E-05	0.127607688	2.4223E-06	8.20815E-05	0.000832445	0.002019887	0
2091 Apr	0.00116186	0.172390059	1.21901E-05	1.722016573	3.228660822	0.060217354	0.000324521	6.010241032	0.001584618	0.012694788	0.000491867	0.00019796	9.2908E-05	0.128436863	2.43802E-06	8.26146E-05	0.000837854	0.002033002	0
2091 May	0.001178871	0.17511338	1.23538E-05	1.748320937	3.281059027	0.061299093	0.000328654	6.103022575	0.001608153	0.012870502	0.000500952	0.000200881	9.43983E-05	0.130502298	2.47076E-06	8.37625E-05	0.000851807	0.002060808	0
2091 Jun	0.001139703	0.1702106	1.18872E-05	1.69530281	3.19434762	0.060144916	0.000314593	5.920578003	0.001556957	0.012404243	0.000492614	0.000194788	9.18545E-05	0.126971245	2.37743E-06	8.07182E-05	0.000831697	0.001986985	0
2091 Jul	0.001204161	0.179803059	1.25681E-05	1.790940285	3.373293638	0.063490741	0.000332226	6.253463268	0.001645259	0.013110901	0.000519984	0.000206029	9.70227E-05	0.134089395	2.51361E-06	8.52935E-05	0.000878562	0.002101438	0
2091 Aug	0.00121452	0.181077078	1.26874E-05	1.805464625	3.397277832	0.063824899	0.000336201	6.304774284	0.001658713	0.013223568	0.000522453	0.000207108	9.77706E-05	0.135081559	2.53748E-06	8.60412E-05	0.000882783	0.002117766	0
2091 Sep	0.001206525	0.179540142	1.26145E-05	1.792741776	3.369623423	0.063154906	0.000335957	6.261453629	0.001646886	0.013138263	0.000516496	0.000204838	9.70136E-05	0.134028658	2.52289E-06	8.55444E-05	0.00087323	0.002101326	0
2091 Oct	0.001177701	0.174885422	1.23094E-05	1.747640848	3.282901764	0.061363675	0.000330081	6.106672287	0.001605089	0.012827724	0.000501448	0.000198849	9.44336E-05	0.130594134	2.46187E-06	8.36093E-05	0.000848702	0.002046329	0
2091 Nov	0.001157563	0.171606451	1.2096E-05	1.715961099	3.221843243	0.060090959	0.000326133	5.998132229	0.00157571	0.012611105	0.000490732	0.000194588	9.26112E-05	0.128176957	2.41921E-06	8.22658E-05	0.000831299	0.002007578	0
2091 Dec	0.001157674	0.171609148	1.20971E-05	1.716038942	3.221913576	0.060085967	0.000326245	5.998503208	0.001575769	0.012612465	0.000490676	0.000194567	9.26101E-05	0.12818028	2.41941E-06	8.22778E-05	0.000831243	0.002007599	0
2092 Jan	0.001157795	0.171627134	1.20982E-05	1.716217518	3.222259521	0.060092542	0.00032628	5.999138832	0.001575929	0.012613733	0.000490723	0.000194585	9.2619E-05	0.128193989	2.41965E-06	8.22863E-05	0.000831329	0.002007786	0
2092 Feb	0.001158078	0.171670198	1.21011E-05	1.716642857	3.223078489	0.06010842	0.000326358	6.000636101	0.001576314	0.012616741	0.000490845	0.000194631	9.26414E-05	0.128226459	2.42022E-06	8.23061E-05	0.00083154	0.002008257	0
2092 Mar	0.001160307	0.172001198	1.21243E-05	1.71995008	3.22929883	0.060224757	0.000326984	6.012202263	0.001579348	0.012640985	0.00049179	0.000195005	9.28196E-05	0.128473863	2.42486E-06	8.24643E-05	0.000833145	0.002012112	0
2092 Apr	0.001166547	0.172926545	1.21895E-05	1.729201794	3.246675491	0.06054901	0.000328742	6.044544697	0.001587842	0.012708945	0.000494436	0.000196054	9.33187E-05	0.129165143	2.4379E-06	8.29076E-05	0.000837628	0.002022927	0
2092 May	0.001179973	0.17517668	1.23105E-05	1.75053966	3.290742636	0.061507069	0.000331725	6.120391369	0.001606561	0.012841967	0.000502583	0.00019834	9.45633E-05	0.130893767	2.46211E-06	8.37816E-05	0.000849466	0.002043657	0
2092 Jun	0.001074279	0.160621375	1.11477E-05	1.600210786	3.022873878	0.057068966	0.000297928	5.596539497	0.001466057	0.011649605	0.000467624	0.000181651	8.68357E-05	0.120142981	2.22954E-06	7.59701E-05	0.000783887	0.00185678	0
2092 Jul	0.001077501	0.1610322	1.12046E-05	1.604520917	3.027794123	0.057107665	0.000298337	5.608503819	0.00147129	0.011698632	0.000467855	0.000182873	8.70397E-05	0.120351993	2.24091E-06	7.62267E-05	0.000786059	0.001868305	0
2092 Aug	0.001124308	0.167939857	1.1695E-05	1.673946857	3.157713652	0.059520416	0.000311661	5.851358414	0.001534987	0.012206848	0.000487533	0.000190597	9.07933E-05	0.125528753	2.33899E-06	7.95432E-05	0.000819142	0.001948927	0
2092 Sep	0.00112889	0.168440416	1.17469E-05	1.680153131	3.167631149	0.059626043	0.000313974	5.873760223	0.001540604	0.012258034	0.000488158	0.000190894	9.10852E-05	0.12594378	2.34938E-06	7.99094E-05	0.000820539	0.001955426	0
2092 Oct	0.001120794	0.167052731	1.16617E-05	1.666954756	3.141709328	0.059055306	0.000312749	5.828821182	0.001528381	0.012172629	0.000483289	0.000189032	9.02985E-05	0.124919973	2.33233E-06	7.93929E-05	0.000812907	0.001939362	0
2092 Nov	0.001119567	0.166819721	1.16486E-05	1.664809704	3.137376308	0.058950678	0.000312694	5.821656704	0.001526381	0.012160012	0.000482378	0.000188687	9.01624E-05	0.124749579	2.32972E-06	7.93219E-05	0.000811529	0.00193667	0
2092 Dec	0.001120271	0.166923121	1.16559E-05	1.665846825	3.139322042	0.058986556	0.000312899	5.825293541	0.00152733	0.012167677	0.00048267	0.000188802	9.0218E-05	0.124827012	2.33119E-06	7.93722E-05	0.000812024	0.001937871	0
2093 Jan	0.001120357	0.166935995	1.16568E-05	1.665974617	3.139570475	0.058991298	0.000312925	5.82574892	0.001527444	0.01216858	0.000482704	0.000188815	9.02245E-05	0.124836832	2.33135E-06	7.93783E-05	0.000812086	0.001938004	0
2093 Feb	0.001120623	0.166976377	1.16595E-05	1.666373968	3.140337229	0.059006125	0.000312997	5.827152252	0.001527807	0.012171416	0.00048282	0.000188859	9.02457E-05	0.124867246	2.33189E-06	7.93969E-05	0.000812284	0.00193845	0
2093 Mar	0.001123921	0.167468205	1.16937E-05	1.671280265	3.149591208	0.059180234	0.000313917	5.844313145	0.001532303	0.012207207	0.000484241	0.000189414	9.05112E-05	0.12523517	2.33875E-06	7.96304E-05	0.000814678	0.001944147	0
2093 Apr	0.00113063	0.168468133	1.17635E-05	1.681258202	3.168399096	0.059533771	0.000315791	5.879207134	0.00154145	0.012280061	0.000487132	0.000190544	9.10514E-05	0.125982985	2.3527E-06	8.01056E-05	0.000819543	0.001955748	0
2093 May	0.001146369	0.171065956	1.191E-05	1.706053376	3.218844414	0.060611654	0.000319359	5.966909885	0.001563418	0.012439047	0.00049626	0.000193283	9.24836E-05	0.127965569	2.38199E-06	8.11443E-05	0.000833134	0.001980928	0
2093 Jun	0.001093416	0.164196968	1.13059E-05	1.633076549	3.094410896	0.058781553	0.000300817	5.713136673	0.001494305	0.011826496	0.000482462	0.000185363	8.88841E-05	0.122931786	2.26119E-06	7.71133E-05	0.000804188	0.001886149	0
2093 Jul	0.00113623	0.170556545	1.17594E-05	1.696383715	3.212597609	0.060987148	0.000312347	5.933490753	0.00155286	0.012294849	0.000500558	0.000192792	9.23098E-05	0.127634361	2.35187E-06	8.01309E-05	0.00083496	0.001962027	0
2093 Aug	0.00117657	0.176501617	1.2181E-05	1.755932808	3.324043274	0.063055255	0.00032366	6.142050266	0.001607516	0.012731032	0.000517493	0.000199365	9.55319E-05	0.132073581	2.43621E-06	8.29662E-05	0.000863119	0.002030895	0
2093 Sep	0.00117808	0.176499039	1.21978E-05	1.756951332	3.324335337	0.062956944	0.000325375	6.146904945	0.001608324	0.012750231	0.000516423	0.00019901	9.55082E-05	0.132099524	2.43955E-06	8.31386E-05	0.000861941	0.002031222	0
2093 Oct	0.001126295	0.168152824	1.16566E-05	1.675969481	3.167931557	0.059727028	0.000314489	5.867791176	0.001533693	0.012196846	0.000489297	0.00018858	9.08753E-05	0.12590605	2.33132E-06	7.96669E-05	0.000818275	0.001934741	0
2093 Nov	0.001112861	0.165887251	1.15149E-05	1.654319525	3.125654459	0.058811642	0.000312262	5.793928623	0.001513635	0.0120542	0.000481518	0.00018557	8.95995E-05	0.124235168	2.30298E-06	7.87969E-05	0.000805947	0.001908346	0
2093 Dec	0.001113567	0.165989786	1.15222E-05	1.655351758	3.127588987	0.058846794	0.000312476	5.797561169	0.001514578	0.012061885	0.000481803	0.00018568	8.96543E-05	0.124312162	2.30444E-06	7.88477E-05	0.000806432	0.001909527	0
2094 Jan	0.001113762	0.166019052	1.15241E-05	1.655642629	3.128147602	0.058857404	0.000312533	5.798590183	0.00151484	0.012063967	0.000481884	0.000185711	8.96694E-05	0.124334328	2.30483E-06	7.88615E-05	0.000806573	0.001909843	0
2094 Feb	0.001113924	0.166044086	1.15257E-05	1.655887961	3.128628492	0.058866967	0.000312576	5.799458027	0.00151506	0.012065653	0.000481955	0.000185737	8.96822E-05	0.124353334	2.30514E-06	7.88726E-05	0.000806697	0.001910103	0
2094 Mar	0.00111555	0.16628693	1.15425E-05	1.658307314	3.13320899	0.058953442	0.00031303	5.807935715	0.001517271	0.012083226	0.000482659	0.000186007	8.9813E-05	0.124535352	2.30849E-06	7.89876E-05	0.000807878	0.001912882	0
2094 Apr	0.001119935	0.166940987	1.15878E-05	1.664828539	3.145535707	0.059185538	0.00031426	5.830777645	0.001523236	0.01213071	0.000484557	0.000186738	9.0166E-05	0.125025257	2.31756E-06	7.9298E-05	0.000811057	0.001920397	0
2094 May	0.001119772	0.167275593	1.15603E-05	1.666546702	3.154201269	0.059534051	0.000313077	5.838383198	0.001523662	0.012111329	0.000487851	0.000186791	9.03857E-05	0.125335976	2.31206E-06	7.91774E-05	0.000814012	0.001916872	0
2094 Jun	0.001113832	0.167139843	1.14541E-05	1.661856651	3.155612946	0.059938181	0.000308793	5.823846817	0.001517474	0.012016252	0.000492045	0.00018633	9.03905E-05	0.125325397	2.29081E-06	7.85449E-05	0.000816467	0.001902697	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.001181686	0.177265778	1.21593E-05	1.762589097	3.34560585	0.063516267	0.000327452	6.176138401	0.00160989	0.012751847	0.000521412	0.000197775	9.58536E-05	0.132876456	2.43186E-06	8.3328E-05	0.000865603	0.002019896	0
2094 Aug	0.00125836	0.188702986	1.29508E-05	1.876561284	3.561150789	0.067580432	0.000348829	6.575648308	0.001714076	0.013579102	0.000554752	0.000210451	0.000102041	0.141444027	2.59016E-06	8.87293E-05	0.0009209	0.002150518	0
2094 Sep	0.001259362	0.188557461	1.29619E-05	1.876363516	3.55876565	0.067400306	0.000350777	6.57668066	0.001713738	0.013593968	0.000552939	0.000209836	0.000101923	0.141365454	2.59238E-06	8.8888E-05	0.000918717	0.002149259	0
2094 Oct	0.001226679	0.183231607	1.2624E-05	1.824916601	3.458615065	0.065304451	0.00034412	6.399146557	0.001666493	0.013247653	0.000535276	0.000203234	9.89581E-05	0.13740392	2.52479E-06	8.67177E-05	0.000890686	0.002088814	0
2094 Nov	0.001195441	0.178123042	1.2299E-05	1.775611401	3.362754583	0.063291833	0.000337918	6.229394913	0.001621108	0.012915913	0.000518301	0.000196808	9.61096E-05	0.133611634	2.45981E-06	8.4648E-05	0.000863672	0.002030317	0
2094 Dec	0.001193663	0.177829757	1.22804E-05	1.772787333	3.357270002	0.063175745	0.000337584	6.219712734	0.001618498	0.012896975	0.00051732	0.000196429	9.59455E-05	0.133394673	2.45607E-06	8.45308E-05	0.000862106	0.002026913	0
2095 Jan	0.001193946	0.177872032	1.22832E-05	1.773207426	3.358078241	0.063191086	0.000337666	6.221200466	0.001618876	0.01289998	0.000517437	0.000196473	9.59674E-05	0.133426696	2.45663E-06	8.45508E-05	0.000862309	0.002027368	0
2095 Feb	0.001194178	0.177907884	1.22854E-05	1.773558617	3.358767033	0.063204773	0.000337728	6.222443581	0.001619191	0.012902395	0.000517539	0.00019651	9.59857E-05	0.133453935	2.45709E-06	8.45667E-05	0.000862487	0.002027738	0
2095 Mar	0.001195301	0.17807588	1.22969E-05	1.775230169	3.361945391	0.063264973	0.000338044	6.2283144	0.001620714	0.012914478	0.000518027	0.000196694	9.60758E-05	0.133580163	2.45938E-06	8.4646E-05	0.000863303	0.002029632	0
2095 Apr	0.001201497	0.178999424	1.23606E-05	1.784435153	3.379385471	0.06359338	0.000339796	6.260612965	0.001629116	0.012981398	0.000520713	0.000197713	9.65737E-05	0.134273052	2.47212E-06	8.50846E-05	0.000867782	0.002040147	0
2095 May	0.001203642	0.179732636	1.23529E-05	1.789868593	3.395913363	0.064117953	0.000339087	6.281484127	0.001632766	0.012984373	0.000525515	0.000198163	9.70131E-05	0.134890795	2.47059E-06	8.51113E-05	0.000872881	0.002040072	0
2095 Jun	0.001216219	0.182233974	1.24417E-05	1.811974287	3.446729183	0.06539306	0.000340535	6.361073017	0.001651207	0.013092746	0.000536708	0.000200562	9.84264E-05	0.136852354	2.48834E-06	8.58212E-05	0.000887531	0.002057193	0
2095 Jul	0.001293555	0.193750978	1.32376E-05	1.92648685	3.66345787	0.069471441	0.000362067	6.762908936	0.001755871	0.013926437	0.000570206	0.000213245	0.000104631	0.145462319	2.64752E-06	9.1263E-05	0.000942986	0.002188168	0
2095 Aug	0.001296188	0.193894908	1.32751E-05	1.92914176	3.665382147	0.069399536	0.000363477	6.772727966	0.001758572	0.013954681	0.00056947	0.000213082	0.000104736	0.145568669	2.65503E-06	9.144E-05	0.000941662	0.00219111	0
2095 Sep	0.001302853	0.194648474	1.33526E-05	1.938549757	3.680428028	0.069578297	0.000366702	6.806321621	0.001767109	0.014028113	0.000570599	0.000213579	0.000105202	0.146201327	2.67052E-06	9.19581E-05	0.000943873	0.002200998	0
2095 Oct	0.001302941	0.194551349	1.33532E-05	1.937979341	3.678678989	0.06949424	0.000367349	6.805019379	0.001766527	0.014030786	0.000569789	0.000213303	0.000105127	0.14613615	2.67064E-06	9.19994E-05	0.000942872	0.002199986	0
2095 Nov	0.00128908	0.192240462	1.32101E-05	1.915826201	3.635213137	0.068561994	0.000364811	6.728820324	0.001746179	0.013885053	0.000561883	0.000210383	0.00010383	0.144418731	2.64202E-06	9.10968E-05	0.000930501	0.002173934	0
2095 Dec	0.001288017	0.192046672	1.31989E-05	1.914021015	3.631604433	0.068477876	0.000364716	6.722743988	0.0017445	0.013873988	0.000561156	0.000210106	0.000103719	0.144276634	2.63977E-06	9.10324E-05	0.000929385	0.002171693	0
2096 Jan	0.001288293	0.192087889	1.32016E-05	1.914430022	3.632394791	0.068492934	0.000364797	6.724196911	0.001744868	0.013876896	0.000561269	0.000210147	0.00010374	0.144307956	2.64032E-06	9.10518E-05	0.000929583	0.002172128	0
2096 Feb	0.001288978	0.192191601	1.32085E-05	1.915456533	3.634370089	0.068531014	0.000364987	6.727815628	0.001745796	0.013884176	0.00056157	0.000210258	0.000103795	0.144386277	2.64169E-06	9.10997E-05	0.000930089	0.002173257	0
2096 Mar	0.0012903	0.192389548	1.32219E-05	1.917425513	3.638121128	0.068602204	0.00036536	6.734738827	0.001747587	0.01389836	0.000562147	0.000210473	0.000103901	0.144535214	2.64438E-06	9.11929E-05	0.000931049	0.002175471	0
2096 Apr	0.001296628	0.193333566	1.32867E-05	1.926831961	3.655977249	0.068939157	0.00036715	6.767780781	0.001756158	0.013966491	0.000564905	0.000211505	0.00010441	0.145244539	2.65734E-06	9.164E-05	0.000935619	0.002186133	0
2096 May	0.001308639	0.195357308	1.33935E-05	1.945954442	3.695714951	0.069808312	0.000369795	6.835903168	0.00177287	0.014084605	0.00057231	0.00021353	0.000105529	0.14680177	2.67869E-06	9.24177E-05	0.000946284	0.002204387	0
2096 Jun	0.001202209	0.180296704	1.22932E-05	1.792444468	3.411055803	0.064806148	0.000335805	6.292685986	0.001633025	0.012930425	0.000532126	0.000198265	9.74662E-05	0.13543725	2.45863E-06	8.47317E-05	0.000878175	0.002032396	0
2096 Jul	0.001238449	0.185677975	1.2683E-05	1.846098542	3.510551453	0.066653877	0.000345516	6.478448391	0.001682968	0.013332032	0.000547229	0.000204821	0.000100359	0.139398143	2.5366E-06	8.7311E-05	0.000904577	0.002098671	0
2096 Aug	0.001302838	0.195248336	1.33462E-05	1.941845775	3.691563606	0.070054851	0.000363839	6.814587116	0.001770292	0.014025391	0.000575061	0.000215269	0.000105553	0.146598116	2.66924E-06	9.18571E-05	0.000950616	0.002207352	0
2096 Sep	0.001290054	0.19297725	1.32182E-05	1.920948982	3.649152279	0.069088884	0.000362264	6.74311924	0.00175108	0.01389241	0.000566717	0.000212235	0.000104297	0.144938037	2.64364E-06	9.10564E-05	0.000937741	0.002182414	0
2096 Oct	0.001245105	0.18561168	1.27549E-05	1.849934578	3.510493994	0.066168606	0.000353288	6.498066425	0.001685932	0.0134177	0.000542066	0.000203106	0.000100189	0.139455393	2.55098E-06	8.8086E-05	0.00089884	0.002099314	0
2096 Nov	0.001241882	0.1849785	1.2721E-05	1.844174027	3.49868989	0.065875866	0.000353248	6.478870392	0.001680573	0.013385072	0.000539502	0.000202161	9.98165E-05	0.138992265	2.54421E-06	8.7906E-05	0.000895026	0.002092143	0
2096 Dec	0.001242191	0.185022891	1.27242E-05	1.844622612	3.499530792	0.065890916	0.000353345	6.480457306	0.00168098	0.013388433	0.000539623	0.000202207	9.98401E-05	0.139025733	2.54484E-06	8.79284E-05	0.000895232	0.002092646	0
2097 Jan	0.001242268	0.185034469	1.27249E-05	1.844737172	3.499756098	0.065895244	0.000353369	6.48086834	0.001681082	0.013389231	0.000539653	0.000202217	9.98457E-05	0.139034659	2.54499E-06	8.79338E-05	0.000895287	0.002092759	0
2097 Feb	0.00124232	0.185043052	1.27254E-05	1.844818711	3.499926567	0.065898925	0.000353381	6.481162071	0.001681152	0.013389731	0.000539677	0.000202225	9.98497E-05	0.139041334	2.54508E-06	8.79372E-05	0.000895331	0.002092832	0
2097 Mar	0.00124343	0.185208783	1.27367E-05	1.846468925	3.503065825	0.065958291	0.000353696	6.486963272	0.001682653	0.013401657	0.000540159	0.000202405	9.99388E-05	0.139165983	2.54734E-06	8.80156E-05	0.000896134	0.002094693	0
2097 Apr	0.001251097	0.186351091	1.28152E-05	1.857855797	3.5246737	0.066365287	0.000355876	6.526970387	0.001693029	0.013484275	0.00054349	0.000203653	0.000100555	0.140024379	2.56304E-06	8.85582E-05	0.000901662	0.002107604	0
2097 May	0.001271611	0.189601138	1.30127E-05	1.88938868	3.587268829	0.067643046	0.000361054	6.63839817	0.001721218	0.0136966	0.000554189	0.000207084	0.00010233	0.142493606	2.60254E-06	8.99523E-05	0.000918147	0.002140786	0
2097 Jun	0.001248939	0.186939776	1.27441E-05	1.859695554	3.539984226	0.067105994	0.000351938	6.534840584	0.001692713	0.013427198	0.000550609	0.000204155	0.000100965	0.140554249	2.54881E-06	8.81567E-05	0.000908501	0.002100749	0
2097 Jul	0.001317365	0.197117299	1.34503E-05	1.960987926	3.73138237	0.070699543	0.000371044	6.890038967	0.001785384	0.014166534	0.000580094	0.000215426	0.000106447	0.148159623	2.69007E-06	9.29824E-05	0.000957551	0.002217154	0
2097 Aug	0.001363235	0.203867406	1.39234E-05	2.028630972	3.858680487	0.073062278	0.00038422	7.12793541	0.001847119	0.014659702	0.000599427	0.00022266	0.000110101	0.153226987	2.78468E-06	9.62127E-05	0.000989395	0.002293662	0
2097 Sep	0.001385477	0.20708409	1.41529E-05	2.061296463	3.919800758	0.074170552	0.0003911	7.243149757	0.001876828	0.014900081	0.000608382	0.000226016	0.000111843	0.155664861	2.83057E-06	9.78098E-05	0.001004409	0.002330248	0
2097 Oct	0.001371101	0.204687834	1.40055E-05	2.038335323	3.874629974	0.073201492	0.000388431	7.164022923	0.001855789	0.01474938	0.000600163	0.000223022	0.0001105	0.153880745	2.8011E-06	9.68733E-05	0.0009916	0.0023035	0
2097 Nov	0.001360936	0.2030413	1.39014E-05	2.022404194	3.843559742	0.072554767	0.000386276	7.108843327	0.001841216	0.01464208	0.00059472	0.000221031	0.000109585	0.152651876	2.78028E-06	9.61961E-05	0.000983003	0.002285084	0
2097 Dec	0.001358741	0.20269312	1.38789E-05	2.019010544	3.836983919	0.072421104	0.000385769	7.097043514	0.001838115	0.014618782	0.000593602	0.00022062	0.000109393	0.152391523	2.77578E-06	9.60474E-05	0.000981219	0.002281183	0
2098 Jan	0.001358971	0.202727646	1.38812E-05	2.019352674	3.837649822	0.072433829	0.000385837	7.098263741	0.00183842	0.0146212	0.000593696	0.000220654	0.000109411	0.152417898	2.77623E-06	9.60636E-05	0.000981384	0.002281538	0
2098 Feb	0.001359212	0.202765226	1.38835E-05	2.019719362	3.838375807	0.072448425	0.000385902	7.09956646	0.001838747	0.014623682	0.000593803	0.000220691	0.00010943	0.152446568	2.77669E-06	9.60801E-05	0.00098157	0.002281915	0
2098 Mar	0.001360048	0.202890813	1.38919E-05	2.020966291	3.840761662	0.072493948	0.000386137	7.103956699	0.001839878	0.014632614	0.000594169	0.000220826	0.000109497	0.15254122	2.77838E-06	9.61388E-05	0.00098218	0.002283303	0
2098 Apr	0.001365023	0.203659832	1.39401E-05	2.028502464	3.855565786	0.072787978	0.000387481	7.130672455	0.001846616	0.014684347	0.000596378	0.000221612	0.000109891	0.153126448	2.78802E-06	9.6481E-05	0.000985976	0.002291199	0
2098 May	0.001365144	0.204376817	1.38918E-05	2.032499552	3.873579741	0.073487833	0.000385258	7.147673607	0.001848079	0.014651472	0.000602066	0.000221805	0.000110263	0.153777376	2.77836E-06	9.62745E-05	0.000992031	0.002285231	0
2098 Jun	0.001260721	0.189990029	1.27589E-05	1.883896351	3.606853247	0.06904652	0.000351291	6.627481461	0.001710082	0.013482216	0.000567038	0.000205881	0.000102619	0.143080622	2.55177E-06	8.85617E-05	0.000927503	0.002105036	0
2098 Jul	0.001337396	0.201508194	1.35432E-05	1.998158455	3.824387074	0.073187321	0.000372467	7.028449059	0.001814271	0.014306813	0.000601024	0.0002186	0.00010883	0.151714876	2.70863E-06	9.39528E-05	0.000983645	0.002234955	0
2098 Aug	0.00135547	0.203982174	1.37377E-05	2.024412394	3.871434689	0.073980585	0.000378532	7.121155739	0.001838254	0.014501027	0.000607283	0.000220973	0.000110224	0.153617382	2.74754E-06	9.52411E-05	0.000993971	0.002263975	0
2098 Sep	0.001309481	0.19651784	1.32781E-05	1.953210711	3.730905056	0.071052685	0.000368769	6.873429775	0.001773319	0.01401491	0.000582588	0.000212041	0.00010618	0.148084953	2.65562E-06	9.21541E-05	0.00095471	0.002182208	0
2098 Oct	0.001265381	0.189382404	1.28264E-05	1.884154439	3.596271038	0.068254218	0.000359371	6.634216309	0.001710143	0.01354898	0.000559059	0.00020341	0.000102221	0.142760083	2.56528E-06	8.92113E-05	0.000917467	0.002102328	0
2098 Nov	0.001250313	0.186936736	1.26719E-05	1.860510588	3.55014658	0.067292377	0.000356206	6.552377701	0.001688501	0.013389811	0.000550964	0.000200437	0.000100863	0.140936032	2.53439E-06	8.8208E-05	0.000904665	0.002074917	0
2098 Dec	0.001251008	0.187037751	1.2679E-05	1.861526132	3.552066088	0.067327432	0.00035642	6.555972099	0.001689421	0.0133973	0.000551248	0.000200541	0.000100917	0.141012356	2.53579E-06	8.82579E-05	0.00090514	0.002076041	0
2099 Jan	0.001251255	0.187074855	1.26814E-05	1.861894488	3.552777767	0.067341	0.000356493	6.55727911	0.001689752	0.013399918	0.000551353	0.000200578	0.000100936	0.141040549	2.53628E-06	8.82753E-05	0.000905318	0.002076434	0
2099 Feb	0.001251542	0.187118649	1.26842E-05	1.862326145	3.553617954	0.067357436	0.000356572	6.558806896	0.00169014	0.013402927	0.00055148	0.000200623	0.000100959	0.141073823	2.53685E-06	8.82952E-05	0.000905533	0.002076895	0
2099 Mar	0.00125404	0.187492594	1.27095E-05	1.866045475	3.560724258	0.067492411	0.000357282	6.571910381	0.001693513	0.013429641	0.000552582	0.000201023	0.00010116	0.141355872	2.5419E-06	8.84712E-05	0.000907344	0.002081031	0
2099 Apr	0.001265003	0.189171955	1.28167E-05	1.882574439	3.5929842	0.068125635	0.000360304	6.630459309	0.00170833	0.013544368	0.000557462	0.000202748	0.000102035	0.14263244	2.56334E-06	8.92305E-05	0.000915579	0.002098539	0
2099 May	0.001238104	0.186521202	1.24286E-05	1.849977612	3.553262472	0.068094932	0.000348727	6.524241447	0.001673498	0.013177367	0.000552912	0.000198056	0.000100147	0.140922412	2.48572E-06	8.68828E-05	0.000907183	0.002036257	0
2099 Jun	0.001205189	0.182046726	1.20729E-05	1.803503275	3.470128536	0.066737875	0.000337679	6.360927105	0.001630452	0.012809574	0.000542112	0.000193275	9.77593E-05	0.137584999	2.41459E-06	8.44428E-05	0.000887567	0.001980656	0
2099 Jul	0.001268137	0.191493616	1.27115E-05	1.897132874	3.648902178	0.070143275	0.000355137	6.690410614	0.001715566	0.013482352	0.000569762	0.000203465	0.000102817	0.144678786	2.54231E-06	8.88495E-05	0.000933241	0.002085456	0
2099 Aug	0.001325936	0.200048044	1.32994E-05	1.983199	3.812167883	0.073207237	0.00037212	6.994119644	0.001793475	0.014097808	0.00059445	0.000212344	0.000107459	0.151178911	2.65988E-06	9.29186E-05	0.000973779	0.002179817	0
2099 Sep	0.001302117	0.196070105	1.30703E-05	1.946120381	3.737142801	0.071595617	0.000367536	6.8646698	0.001759888	0.013849292	0.000580891	0.000207609	0.000105351	0.148243412	2.61405E-06	9.13439E-05	0.000952339	0.002138144	0
2099 Oct	0.001274959	0.191613004	1.27959E-05	1.903198004	3.652634382	0.069809236	0.000361969	6.715763092	0.001720806	0.013565638	0.00056593	0.000202276	0.000102879	0.144905016	2.55918E-06	8.95543E-05	0.000928897	0.002089438	0
2099 Nov	0.001257247	0.188766256	1.26154E-05	1.875586867	3.598809719	0.068698056	0.000358057	6.619869709	0.001695603	0.013378687	0.000556618	0.000198892	0.000101304	0.142775953	2.52309E-06	8.83668E-05	0.000914145	0.002057806	0
2099 Dec	0.001257966	0.18887189	1.26226E-05	1.87664485	3.600824833	0.068735458	0.000358275	6.623616695	0.001696559	0.013386379	0.000556919	0.000199	0.000101361	0.142855987	2.52453E-06	8.8418E-05	0.000914646	0.00205896	0
2100 Jan	0.001258054	0.188885137	1.26235E-05	1.876775622	3.601084232	0.06874048	0.000358302	6.624088287	0.001696674	0.01338728	0.000556954	0.000199012	0.000101367	0.142866239	2.52469E-06	8.84242E-05	0.000914709	0.002059087	0
2100 Feb	0.00125817	0.188903555	1.26245E-05	1.876954198	3.601443291	0.068747848	0.000358332	6.624726295	0.001696831	0.013388455	0.000557006	0.000199029	0.000101376	0.14288038	2.52491E-06	8.8432E-05	0.0009148	0.002059262	0
2100 Mar	0.001258715	0.18898581	1.263E-05	1.877769232	3.603016376	0.068778142	0.000358486	6.627606869	0.001697565	0.013394216	0.000557248	0.000199115	0.00010142	0.142942742	2.52599E-06	8.84701E-05	0.0009152	0.002060144	0
2100 Apr	0.001267285	0.190272868	1.27159E-05	1.890556097	3.627556562	0.069246762	0.000360926	6.672740459	0.001709124	0.013485393	0.000561042	0.000200471	0.00010211	0.143916309	2.54318E-06	8.90724E-05	0.000921434	0.002074166	0
2100 May	0.001274369	0.191890478	1.27509E-05	1.90418613	3.661542892	0.070174791	0.000361076	6.722659111	0.001719903	0.013535602	0.000569216	0.000201847	0.000103037	0.145215854	2.55018E-06	8.94044E-05	0.000931418	0.002081799	0
2100 Jun	0.001186431	0.179659426	1.18203E-05	1.778491855	3.432374716	0.066274315	0.000332398	6.279819012	0.001604374	0.012565883	0.000538408	0.000188989	9.65425E-05	0.136044964	2.36406E-06	8.29626E-05	0.00087656	0.001935581	0
2100 Jul	0.001199926	0.181662604	1.19699E-05	1.798402429	3.468766928	0.066945732	0.000335803	6.348098755	0.001623174	0.012717708	0.000543767	0.000191588	9.76013E-05	0.13749519	2.39397E-06	8.39204E-05	0.000886442	0.001961475	0
2100 Aug	0.001196772	0.180919915	1.19503E-05	1.792762518	3.454524755	0.066558369	0.000335923	6.328654289	0.001618253	0.012684601	0.000540353	0.000190448	9.72569E-05	0.136967748	2.39007E-06	8.371E-05	0.000880854	0.001954889	0
2100 Sep	0.001195387	0.180493504	1.19439E-05	1.790222526	3.44721055	0.066324614	0.000336764	6.320313454	0.001615882	0.012670997	0.000538119	0.000189668	9.7077E-05	0.136708364	2.38879E-06	8.36552E-05	0.000877469	0.001951182	0
2100 Oct	0.001196107	0.180500969	1.19509E-05	1.790662646	3.447459459	0.066283293	0.000337539	6.322524548	0.001616216	0.012680166	0.000537663	0.000189513	9.70609E-05	0.136722207	2.39018E-06	8.37375E-05	0.000877016	0.001951285	0
2100 Nov	0.001197981	0.180761427	1.19695E-05	1.793328285	3.452471256	0.066369593	0.000338197	6.332097054	0.001618602	0.012700302	0.000538333	0.000189746	9.71963E-05	0.136921838	2.39389E-06	8.38756E-05	0.00087817	0.001954074	0
2100 Dec	0.001199096	0.180928171	1.19806E-05	1.794987679	3.45565629	0.066430137	0.00033852	6.337965488	0.001620099	0.012712146	0.000538822	0.000189919	9.72857E-05	0.137048215	2.39612E-06	8.39541E-05	0.000878973	0.001955879	0
2101 Jan	0.001199362	0.1809683	1.19832E-05	1.795385361	3.456428051	0.066445015	0.000338596	6.33937645	0.001620455	0.01271494	0.000538939	0.00018996	9.73068E-05	0.137078777	2.39664E-06	8.39727E-05	0.000879167	0.0019563	0
2101 Feb	0.001199466	0.180984721	1.19842E-05	1.795544982	3.456747532	0.066451535	0.000338624	6.339945793	0.001620596	0.012715999	0.000538986	0.000189976	9.7315E-05	0.137091383	2.39684E-06	8.39797E-05	0.000879249	0.001956458	0
2101 Mar	0.001199878	0.181047246	1.19883E-05	1.796163559	3.457945347	0.066474758	0.000338739	6.342133045	0.001621153	0.01272034	0.000539172	0.000190041	9.73483E-05	0.137138844	2.39765E-06	8.40084E-05	0.000879553	0.001957123	0
2101 Apr	0.001204682	0.181773037	1.20362E-05	1.803359628	3.47181654	0.066741943	0.000340093	6.367549419	0.001627643	0.012771199	0.000541331	0.000190801	9.77378E-05	0.137688875	2.40723E-06	8.43444E-05	0.000883082	0.001964942	0
2101 May	0.001209444	0.183000013	1.20519E-05	1.813324928	3.498011589	0.067499392	0.000339683	6.404210567	0.001635288	0.012799095	0.000548075	0.000191829	9.84537E-05	0.138684303	2.41038E-06	8.4525E-05	0.000891024	0.001969402	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.00116488	0.17697005	1.15762E-05	1.750604153	3.385324717	0.065667152	0.00032438	6.182747364	0.001577521	0.01230403	0.00053395	0.000185645	9.52862E-05	0.134162307	2.31525E-06	8.12168E-05	0.000864886	0.00189609	0
2101 Jul	0.001230149	0.186867908	1.22312E-05	1.848561406	3.573899746	0.069311701	0.00034241	6.527875423	0.001666139	0.012997133	0.000563558	0.00019623	0.00010061	0.141639084	2.44623E-06	8.57738E-05	0.000913299	0.00200393	0
2101 Aug	0.001292855	0.196323559	1.2858E-05	1.942521572	3.754653931	0.07278724	0.000360109	6.859762669	0.001750893	0.013660003	0.00059176	0.000206079	0.000105714	0.148811966	2.57159E-06	9.01492E-05	0.000959008	0.002105791	0
2101 Sep	0.001280693	0.194090426	1.27467E-05	1.922708511	3.712639093	0.071801208	0.000358812	6.791111469	0.001732999	0.013536752	0.000583281	0.000203233	0.000104534	0.147184849	2.54934E-06	8.93986E-05	0.000946053	0.00208353	0
2101 Oct	0.001274319	0.192910761	1.26838E-05	1.911780596	3.690157652	0.071268417	0.00035819	6.75372982	0.001723079	0.013473331	0.000578731	0.000201699	0.000103858	0.146302164	2.53676E-06	8.90219E-05	0.000939307	0.002071233	0
2101 Nov	0.001250986	0.189076751	1.24522E-05	1.874857426	3.616949558	0.069716133	0.000353279	6.625025749	0.001689694	0.013232137	0.000565809	0.000197263	0.000101736	0.1434118	2.49045E-06	8.74881E-05	0.000919227	0.002030553	0
2101 Dec	0.001249516	0.188800216	1.24377E-05	1.872310042	3.61169529	0.06958992	0.000353164	6.616350651	0.001687374	0.013217536	0.000564726	0.000196894	0.000101577	0.143205628	2.48753E-06	8.74026E-05	0.000917626	0.002027645	0
2102 Jan	0.001249588	0.188811064	1.24383E-05	1.872416377	3.611913204	0.069594242	0.000353187	6.61674118	0.001687465	0.013218233	0.000564752	0.000196902	0.000101582	0.143214196	2.48765E-06	8.74076E-05	0.000917676	0.002027732	0
2102 Feb	0.001249826	0.188848495	1.24405E-05	1.872781038	3.612642288	0.069609053	0.000353251	6.618042469	0.001687787	0.01322066	0.000564861	0.000196938	0.000101601	0.14324297	2.4881E-06	8.74237E-05	0.000917862	0.002028095	0
2102 Mar	0.001250586	0.188964143	1.2448E-05	1.873924255	3.614861012	0.069652215	0.000353464	6.622087955	0.001688814	0.01322865	0.000565205	0.000197057	0.000101663	0.143330857	2.4896E-06	8.74766E-05	0.000918426	0.002029316	0
2102 Apr	0.001254512	0.189557835	1.2487E-05	1.879809737	3.626222372	0.069871366	0.000354572	6.6428895	0.001694116	0.013270152	0.00056698	0.000197676	0.000101982	0.143781289	2.4974E-06	8.77511E-05	0.000921313	0.002035679	0
2102 May	0.001273728	0.19246231	1.26782E-05	1.908608794	3.68178916	0.070942484	0.000360001	6.744663239	0.001720068	0.01347338	0.000575672	0.000200704	0.000103544	0.145984471	2.53565E-06	8.9095E-05	0.000935433	0.002066855	0
2102 Jun	0.001196646	0.180643395	1.20228E-05	1.792786598	3.444348812	0.06618093	0.000336172	6.319153309	0.001621575	0.012731149	0.000536306	0.000192418	9.71356E-05	0.136628434	2.40456E-06	8.39214E-05	0.000880939	0.001973466	0
2102 Jul	0.001189358	0.179397151	1.20107E-05	1.781160951	3.413959742	0.065473914	0.000333019	6.269742012	0.001614312	0.012692171	0.000530201	0.000193165	9.64275E-05	0.135457143	2.40214E-06	8.3513E-05	0.000875885	0.001977824	0
2102 Aug	0.001226423	0.184831783	1.23923E-05	1.836168289	3.517386436	0.067390382	0.000344021	6.463587761	0.00166427	0.013088298	0.00054557	0.000198825	9.93841E-05	0.139583066	2.47845E-06	8.61262E-05	0.000901316	0.002038737	0
2102 Sep	0.001234595	0.185856208	1.248E-05	1.847630858	3.537321568	0.067680307	0.000347449	6.50466013	0.001674622	0.013177903	0.000547662	0.000199646	9.99525E-05	0.140395924	2.49601E-06	8.67502E-05	0.000905181	0.002050919	0
2102 Oct	0.001190662	0.178802177	1.20386E-05	1.77913475	3.403114319	0.064907975	0.000337457	6.265779972	0.00161247	0.012717746	0.000524716	0.000191509	9.60756E-05	0.135088801	2.40772E-06	8.38047E-05	0.000868802	0.001974344	0
2102 Nov	0.001192854	0.179100603	1.20609E-05	1.782217145	3.408801317	0.065002166	0.000338245	6.276799679	0.001615257	0.012741748	0.000525442	0.000191788	9.62302E-05	0.135315895	2.41217E-06	8.39688E-05	0.00087011	0.001977715	0
2102 Dec	0.001193551	0.179203793	1.20679E-05	1.783249259	3.410765886	0.065038934	0.000338451	6.280444622	0.001616191	0.012749223	0.000525738	0.000191896	9.62853E-05	0.135393947	2.41359E-06	8.40184E-05	0.000870604	0.001978856	0
2103 Jan	0.001193731	0.179230839	1.20697E-05	1.78351748	3.411285877	0.065048903	0.000338504	6.281396866	0.001616432	0.012751115	0.000525814	0.000191923	9.62993E-05	0.135414541	2.41394E-06	8.4031E-05	0.000870734	0.00197914	0
2103 Feb	0.001194186	0.179299891	1.20742E-05	1.784201264	3.412606955	0.065074496	0.000338631	6.283811092	0.001617048	0.012755925	0.000526015	0.000191996	9.63358E-05	0.135466903	2.41484E-06	8.40628E-05	0.000871072	0.001979881	0
2103 Mar	0.001195178	0.179449305	1.20842E-05	1.785686255	3.415454388	0.065129027	0.000338911	6.28904438	0.001618392	0.012766498	0.000526453	0.000192155	9.64158E-05	0.135579884	2.41684E-06	8.41325E-05	0.000871799	0.00198152	0
2103 Apr	0.001200296	0.180217966	1.21359E-05	1.793333888	3.430086374	0.065408163	0.000340362	6.315980911	0.001625322	0.01282115	0.000528707	0.000192978	9.68286E-05	0.136160702	2.42719E-06	8.44927E-05	0.000875534	0.001990001	0
2103 May	0.001210622	0.182179004	1.22168E-05	1.81104219	3.469398737	0.066361904	0.000341806	6.379206657	0.001640401	0.012914779	0.000536998	0.000194952	9.79344E-05	0.137686297	2.44337E-06	8.51003E-05	0.000886749	0.002005148	0
2103 Jun	0.001133615	0.171561956	1.14089E-05	1.701412201	3.269375086	0.062992185	0.000315919	5.991222382	0.001540133	0.012069883	0.000510974	0.000184261	9.2345E-05	0.129676908	2.28179E-06	7.94461E-05	0.000839941	0.001880427	0
2103 Jul	0.001156255	0.174880341	1.16558E-05	1.734428525	3.329827309	0.064094752	0.000321787	6.1054039	0.001571106	0.012320619	0.000519898	0.000188298	9.41065E-05	0.132087022	2.33116E-06	8.10339E-05	0.00085569	0.00192183	0
2103 Aug	0.001165103	0.175861105	1.176E-05	1.744732618	3.345179558	0.064235628	0.000324337	6.142352104	0.001581256	0.012414417	0.000521092	0.000188962	9.46041E-05	0.132724166	2.352E-06	8.15866E-05	0.000857146	0.001934432	0
2103 Sep	0.001152765	0.173660636	1.16395E-05	1.724398375	3.303539991	0.063281938	0.000322711	6.072347164	0.001562772	0.012288521	0.000512977	0.00018615	9.3387E-05	0.131093532	2.3279E-06	8.08194E-05	0.00084474	0.001911274	0
2103 Oct	0.001112409	0.167019144	1.1235E-05	1.660448432	3.17714715	0.060600813	0.000314377	5.850121975	0.00150473	0.01186889	0.000490641	0.000178293	8.9709E-05	0.126102135	2.247E-06	7.81629E-05	0.000809763	0.00183959	0
2103 Nov	0.001103254	0.165476561	1.11433E-05	1.645712256	3.147797346	0.05996304	0.000312679	5.799104214	0.001491345	0.011774349	0.000485297	0.000176423	8.88485E-05	0.124944448	2.22867E-06	7.75715E-05	0.000801483	0.001823005	0
2103 Dec	0.00110365	0.165533841	1.11473E-05	1.646289229	3.148888588	0.059982885	0.000312802	5.801149368	0.001491867	0.011778604	0.000485455	0.000176481	8.88789E-05	0.124987826	2.22947E-06	7.76E-05	0.000801751	0.001823639	0
2104 Jan	0.001103721	0.165544644	1.1148E-05	1.646395683	3.149099588	0.059986986	0.000312824	5.801533222	0.001491961	0.011779335	0.000485483	0.000176491	8.8884E-05	0.124996178	2.2296E-06	7.76049E-05	0.000801802	0.001823741	0
2104 Feb	0.001103881	0.165569395	1.11495E-05	1.646637797	3.149578571	0.059996586	0.000312867	5.802393913	0.001492176	0.011780974	0.000485554	0.000176516	8.88966E-05	0.125015095	2.2299E-06	7.76158E-05	0.000801924	0.001823989	0
2104 Mar	0.001104839	0.165713638	1.11592E-05	1.648070097	3.152326584	0.060049195	0.000313138	5.807444572	0.001493472	0.011791172	0.000485976	0.000176668	8.89737E-05	0.125124127	2.23183E-06	7.7683E-05	0.000802624	0.001825564	0
2104 Apr	0.001112188	0.16681619	1.12334E-05	1.659033895	3.173302889	0.060448915	0.00031522	5.846081257	0.001503406	0.011869585	0.000489209	0.000177843	8.95655E-05	0.125956699	2.24667E-06	7.81997E-05	0.000807965	0.001837703	0
2104 May	0.001118881	0.168395922	1.12661E-05	1.672142506	3.206228495	0.061364189	0.000315047	5.893756866	0.001513845	0.011916518	0.000497478	0.000179288	9.04862E-05	0.127212897	2.25322E-06	7.84983E-05	0.000817914	0.001845449	0
2104 Jun	0.001056522	0.159731194	1.06105E-05	1.582889199	3.043066978	0.058583979	0.000294434	5.578547478	0.001432123	0.011232034	0.000475978	0.00017039	8.59155E-05	0.120682091	2.12209E-06	7.39313E-05	0.000779237	0.001743265	0
2104 Jul	0.001094689	0.165422559	1.10054E-05	1.639357448	3.149701357	0.060593318	0.000304818	5.776376724	0.001483886	0.011643585	0.000492303	0.000176724	8.89594E-05	0.124918908	2.20109E-06	7.66011E-05	0.000806577	0.00180841	0
2104 Aug	0.001122155	0.169394329	1.12897E-05	1.67974472	3.225017548	0.061965372	0.000313056	5.918945313	0.001520617	0.011936302	0.000503316	0.000180754	9.11249E-05	0.127929196	2.25795E-06	7.85272E-05	0.000824609	0.001852933	0
2104 Sep	0.001105933	0.166593432	1.1136E-05	1.654190898	3.172440767	0.060799118	0.000310454	5.830058575	0.001497437	0.011767873	0.00049341	0.000177295	8.96522E-05	0.125881597	2.2272E-06	7.74762E-05	0.000809045	0.001823878	0
2104 Oct	0.001079325	0.162145913	1.08688E-05	1.611600041	3.087926388	0.058977623	0.00030537	5.682522774	0.001458718	0.011492167	0.000478181	0.000171923	8.71782E-05	0.122546278	2.17375E-06	7.57477E-05	0.00078533	0.001775814	0
2104 Nov	0.001073935	0.161207899	1.08147E-05	1.60273695	3.070115566	0.058578327	0.000304542	5.652024269	0.001450648	0.01143695	0.000474812	0.000170742	8.66502E-05	0.121844776	2.16294E-06	7.54091E-05	0.000780167	0.001765724	0
2104 Dec	0.001074434	0.161281258	1.08197E-05	1.603471756	3.071513653	0.058604319	0.000304692	5.654623985	0.001451313	0.011442287	0.000475021	0.000170817	8.66893E-05	0.12190032	2.16394E-06	7.54446E-05	0.000780515	0.00176653	0
2105 Jan	0.001074469	0.161286622	1.082E-05	1.603524446	3.071620941	0.058606423	0.000304703	5.654817581	0.001451358	0.011442639	0.000475033	0.000170821	8.66917E-05	0.121904545	2.164E-06	7.54471E-05	0.00078054	0.001766574	0
2105 Feb	0.001074646	0.161313877	1.08217E-05	1.603791952	3.072146654	0.058616843	0.000304751	5.655766964	0.001451596	0.011444472	0.000475112	0.000170849	8.67058E-05	0.121925324	2.16435E-06	7.54592E-05	0.000780674	0.001766852	0
2105 Mar	0.001074977	0.1613639	1.0825E-05	1.604287386	3.073102474	0.058635302	0.000304844	5.657517433	0.001452043	0.011447965	0.000475259	0.000170901	8.67324E-05	0.121963233	2.165E-06	7.54823E-05	0.000780917	0.001767389	0
2105 Apr	0.001078894	0.161952138	1.08644E-05	1.610134721	3.084307432	0.058849216	0.000305954	5.678139687	0.001457334	0.011489668	0.000476991	0.000171524	8.70483E-05	0.122407906	2.17289E-06	7.57572E-05	0.000783765	0.001773826	0
2105 May	0.001083744	0.163132474	1.08855E-05	1.619840384	3.109102726	0.059548583	0.000305727	5.713583946	0.001464966	0.011521859	0.000483337	0.000172573	8.77413E-05	0.123352222	2.17711E-06	7.5963E-05	0.000791277	0.001779087	0
2105 Jun	0.001075496	0.162429288	1.07769E-05	1.610474944	3.097664833	0.059590537	0.000301287	5.680866241	0.001455522	0.011415709	0.000484472	0.000171877	8.74319E-05	0.122854181	2.15538E-06	7.52355E-05	0.000790257	0.001764515	0
2105 Jul	0.001115502	0.168367222	1.11854E-05	1.66935575	3.209269047	0.061688364	0.000312317	5.888244152	0.001509215	0.011842548	0.000501567	0.000178192	9.0606E-05	0.127287462	2.23707E-06	7.80144E-05	0.000818247	0.001830581	0
2105 Aug	0.001103849	0.16625461	1.10844E-05	1.650230289	3.168018341	0.060743395	0.00031006	5.821358681	0.001492326	0.011719501	0.000493674	0.000175524	8.95164E-05	0.125694767	2.21688E-06	7.71948E-05	0.000805213	0.001809646	0
2105 Sep	0.001069416	0.160539016	1.07504E-05	1.59664309	3.060168743	0.058441315	0.000303253	5.634407997	0.001443733	0.011359273	0.000474367	0.000168717	8.64768E-05	0.121468745	2.15008E-06	7.49091E-05	0.000774549	0.001749201	0
2105 Oct	0.001042362	0.156056285	1.04787E-05	1.553601623	2.974990845	0.056621738	0.000297879	5.485093117	0.001404615	0.011078299	0.000459182	0.000163354	8.39905E-05	0.118105978	2.09573E-06	7.31401E-05	0.000750821	0.001700712	0
2105 Nov	0.001032638	0.154422298	1.0381E-05	1.537986279	2.943953991	0.055949252	0.000296072	5.431048393	0.001390415	0.010977692	0.000453551	0.000161369	8.30803E-05	0.11688149	2.0762E-06	7.25114E-05	0.000742074	0.001683066	0
2105 Dec	0.001032854	0.154452562	1.03832E-05	1.538295031	2.944532156	0.055959288	0.000296145	5.432150841	0.001390693	0.010980026	0.00045363	0.000161398	8.30961E-05	0.116904519	2.07663E-06	7.25272E-05	0.00074221	0.001683399	0
2106 Jan	0.001032903	0.154460043	1.03836E-05	1.538368583	2.944680691	0.055962186	0.000296161	5.432418823	0.001390756	0.010980519	0.000453648	0.000161404	8.30995E-05	0.116910368	2.07672E-06	7.25307E-05	0.000742245	0.001683463	0
2106 Feb	0.001032975	0.154471666	1.03842E-05	1.538480163	2.944910526	0.055967044	0.000296179	5.43282032	0.001390853	0.010981224	0.00045368	0.000161414	8.31051E-05	0.116919398	2.07685E-06	7.25354E-05	0.000742303	0.001683565	0
2106 Mar	0.001033421	0.1545389	1.03887E-05	1.539147496	2.946196318	0.05599175	0.000296306	5.435180664	0.001391454	0.010985936	0.000453877	0.000161484	8.31409E-05	0.116970412	2.07774E-06	7.25666E-05	0.000742628	0.001684285	0
2106 Apr	0.001038375	0.155280009	1.04384E-05	1.546527267	2.960327864	0.056260467	0.000297725	5.461243629	0.001398125	0.011038582	0.000456053	0.000162258	8.35394E-05	0.117531426	2.08769E-06	7.29143E-05	0.00074619	0.001692354	0
2106 May	0.001053588	0.157718882	1.05813E-05	1.570082784	3.007666349	0.057242405	0.00030151	5.544860363	0.001419002	0.011193272	0.000464256	0.000164736	8.48726E-05	0.119396441	2.11627E-06	7.39341E-05	0.000758571	0.001716168	0
2106 Jun	0.000997844	0.150051698	1.00129E-05	1.490876198	2.861421585	0.054765109	0.000282258	5.261806965	0.001347483	0.010593188	0.000445154	0.000157729	8.08361E-05	0.113545351	2.00259E-06	6.98717E-05	0.000725566	0.001631279	0
2106 Jul	0.001032414	0.155128807	1.03843E-05	1.541552424	2.954984665	0.056481015	0.000291569	5.437805653	0.001394646	0.0109739	0.000459061	0.000163736	8.35469E-05	0.117273621	2.07686E-06	7.23113E-05	0.00074979	0.001693214	0
2106 Aug	0.00103315	0.154854596	1.04089E-05	1.54043591	2.947970867	0.056179792	0.000292593	5.434492588	0.001394207	0.010982352	0.000456458	0.000162998	8.34261E-05	0.117037892	2.08178E-06	7.23406E-05	0.000745297	0.00169245	0
2106 Sep	0.001010299	0.15091075	1.01955E-05	1.504652262	2.87390852	0.054537855	0.000288868	5.309641838	0.001361837	0.010745306	0.000442497	0.000158183	8.13738E-05	0.114159122	2.0391E-06	7.08538E-05	0.000723357	0.001652117	0
2106 Oct	0.00100493	0.149885446	1.01422E-05	1.495260239	2.854443789	0.054065	0.000288529	5.277738571	0.001353275	0.010692085	0.000438435	0.000156793	8.07832E-05	0.113396153	2.02845E-06	7.05452E-05	0.000717349	0.001641332	0
2106 Nov	0.00100765	0.150286362	1.01697E-05	1.499277472	2.862081051	0.054207444	0.000289336	5.291944981	0.001356909	0.010721108	0.000439585	0.000157206	8.09984E-05	0.113699749	2.03394E-06	7.07377E-05	0.000719245	0.00164573	0
2106 Dec	0.001008021	0.150340647	1.01734E-05	1.499822736	2.863115311	0.054226544	0.000289449	5.293875694	0.001357402	0.010725074	0.000439739	0.000157261	8.10274E-05	0.113740884	2.03469E-06	7.07641E-05	0.0007195	0.001646326	0
2107 Jan	0.001008096	0.150351882	1.01742E-05	1.499934196	2.863332987	0.054230712	0.000289471	5.29427433	0.001357501	0.010725854	0.00043977	0.000157272	8.10331E-05	0.113749504	2.03483E-06	7.07693E-05	0.000719553	0.001646439	0
2107 Feb	0.001008398	0.150397435	1.01772E-05	1.500386119	2.86420536	0.054247521	0.000289556	5.295874119	0.001357908	0.010729031	0.000439902	0.000157318	8.10573E-05	0.113784105	2.03543E-06	7.07903E-05	0.000719773	0.001646923	0
2107 Mar	0.00100943	0.150551721	1.01876E-05	1.501924038	2.867146254	0.054303382	0.000289852	5.301304817	0.001359298	0.010739998	0.000440353	0.000157479	8.11402E-05	0.113900907	2.03751E-06	7.08627E-05	0.000720512	0.001648605	0
2107 Apr	0.001011847	0.1509123	1.02119E-05	1.505520344	2.874014378	0.054433554	0.000290545	5.313999653	0.001362552	0.010765698	0.000441407	0.000157856	8.13344E-05	0.11417374	2.04239E-06	7.10323E-05	0.000722238	0.001652549	0
2107 May	0.001014142	0.151501253	1.02202E-05	1.510295153	2.88648653	0.054793976	0.000290325	5.331478596	0.001366254	0.010779548	0.000444701	0.000158372	8.16852E-05	0.114647716	2.04405E-06	7.11195E-05	0.000726051	0.001654873	0
2107 Jun	0.001000567	0.150117025	1.00568E-05	1.493692994	2.8621068	0.054642413	0.000283809	5.272621632	0.001350273	0.010615374	0.000444421	0.000157133	8.10269E-05	0.113628812	2.01135E-06	6.99924E-05	0.000722418	0.001632642	0
2107 Jul	0.001027003	0.153949976	1.03337E-05	1.531846285	2.932920456	0.055929113	0.000291039	5.406650543	0.001385461	0.010899725	0.000454929	0.000161247	8.30661E-05	0.11644984	2.06674E-06	7.18195E-05	0.000739769	0.001676806	0
2107 Aug	0.001065613	0.159623921	1.07272E-05	1.588691592	3.040327072	0.057927612	0.00030216	5.607484341	0.00143707	0.011309613	0.000471157	0.000167058	8.61298E-05	0.120725863	2.14544E-06	7.45088E-05	0.000766056	0.001739239	0
2107 Sep	0.001076135	0.160984099	1.08349E-05	1.603175402	3.066453934	0.058326259	0.000306342	5.659720421	0.0014501	0.011424886	0.000474155	0.000168177	8.68391E-05	0.121776059	2.16697E-06	7.53104E-05	0.000771526	0.001754576	0
2107 Oct	0.00106147	0.158507213	1.06876E-05	1.579525948	3.019402981	0.057300225	0.000303718	5.577900887	0.001428599	0.011274154	0.000465523	0.000165176	8.54497E-05	0.119919114	2.13751E-06	7.43737E-05	0.000758297	0.001727988	0
2107 Nov	0.001055489	0.15749307	1.06275E-05	1.569855809	3.000132561	0.056878529	0.000302663	5.544463634	0.001419808	0.01121268	0.000461977	0.00016342	8.4881E-05	0.119158842	2.12551E-06	7.39919E-05	0.000752854	0.001717102	0
2107 Dec	0.00105586	0.157546848	1.06313E-05	1.570397615	3.001157999	0.056897223	0.000302778	5.546386242	0.001420297	0.011216651	0.000462127	0.000163996	8.49096E-05	0.119199619	2.12625E-06	7.40185E-05	0.000753104	0.001717691	0
2108 Jan	0.001056017	0.157570332	1.06328E-05	1.570630908	3.001610994	0.056905888	0.000302825	5.547218323	0.001420506	0.011218291	0.000462192	0.000164018	8.49217E-05	0.119217575	2.12656E-06	7.40295E-05	0.000753216	0.001717932	0
2108 Feb	0.001056146	0.157590434	1.0634E-05	1.570827484	3.002001047	0.056913726	0.00030286	5.547918797	0.00142068	0.01121961	0.00046225	0.000164038	8.49319E-05	0.11923299	2.1268E-06	7.40382E-05	0.000753314	0.001718129	0
2108 Mar	0.0010574	0.15777801	1.06466E-05	1.572695017	3.005578041	0.056981783	0.000303218	5.554518223	0.001422367	0.011232902	0.000462799	0.000164232	8.50326E-05	0.119375005	2.12932E-06	7.4126E-05	0.000754212	0.001720162	0
2108 Apr	0.001067418	0.159274861	1.07473E-05	1.587605834	3.034110069	0.057523821	0.000306086	5.607197285	0.001435843	0.011339192	0.000467186	0.000165787	8.58378E-05	0.12050803	2.14945E-06	7.48276E-05	0.000761373	0.001736426	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.001089245	0.162574217	1.09638E-05	1.620299459	3.097244978	0.05874275	0.000312213	5.72287035	0.001465271	0.011568874	0.000476967	0.000169181	8.76026E-05	0.123011559	2.19277E-06	7.63444E-05	0.0007773	0.001771504	0
2108 Jun	0.001065223	0.159228578	1.07639E-05	1.586109757	3.028674126	0.057504214	0.000302916	5.593952656	0.001436825	0.011340084	0.000467159	0.000167817	8.58217E-05	0.120290369	2.15277E-06	7.46773E-05	0.000764253	0.001748113	0
2108 Jul	0.001118501	0.167136446	1.13207E-05	1.665099144	3.176976442	0.060276922	0.00031774	5.87006712	0.001509377	0.011918824	0.000489614	0.000176755	9.00726E-05	0.126191199	2.26415E-06	7.84415E-05	0.000802401	0.001840333	0
2108 Aug	0.001180908	0.17637597	1.19564E-05	1.757713914	3.352571011	0.063571148	0.000335799	6.196682453	0.001593395	0.012584173	0.000516292	0.000186422	9.50704E-05	0.13317807	2.39128E-06	8.28232E-05	0.000846138	0.001942627	0
2108 Sep	0.00118894	0.17740646	1.20407E-05	1.768914342	3.372454405	0.063871562	0.000339024	6.23688364	0.001603503	0.012672086	0.000518527	0.000187275	9.56261E-05	0.133982524	2.40815E-06	8.34325E-05	0.000850195	0.001954563	0
2108 Oct	0.001142339	0.169866577	1.15691E-05	1.695843935	3.229415894	0.06088974	0.000328984	5.982718945	0.001537031	0.012185933	0.000493691	0.000178469	9.14472E-05	0.128323227	2.31383E-06	8.03524E-05	0.000811293	0.001872399	0
2108 Nov	0.001138489	0.169171423	1.15305E-05	1.689349771	3.216231823	0.060583714	0.000328544	5.960497856	0.00153111	0.012147162	0.00049108	0.000177569	9.10496E-05	0.127804488	2.3061E-06	8.0121E-05	0.00080739	0.001864993	0
2108 Dec	0.001139035	0.169250801	1.1536E-05	1.690148354	3.217742205	0.060611416	0.00032871	5.9633255	0.001531834	0.012153007	0.000491303	0.00017765	9.1092E-05	0.127864584	2.30721E-06	8.01599E-05	0.000807762	0.00186587	0
2109 Jan	0.001139144	0.169267178	1.15371E-05	1.690310836	3.218059301	0.060617466	0.000328743	5.963907242	0.001531978	0.012154146	0.000491346	0.000177665	9.11003E-05	0.127877116	2.30742E-06	8.01675E-05	0.000807839	0.001866034	0
2109 Feb	0.001139416	0.169308484	1.15398E-05	1.690719366	3.218851805	0.060632858	0.000328819	5.965355396	0.001532344	0.012156997	0.000491465	0.000177707	9.11218E-05	0.127908543	2.30795E-06	8.01864E-05	0.000808039	0.001866466	0
2109 Mar	0.001140899	0.169529289	1.15547E-05	1.692922235	3.223053932	0.060712263	0.000329246	5.973130703	0.001534339	0.012172789	0.000492105	0.000177938	9.12403E-05	0.128075466	2.31095E-06	8.02906E-05	0.000809094	0.001868888	0
2109 Apr	0.00114822	0.170617595	1.16288E-05	1.703787923	3.243748665	0.061102334	0.000331358	6.011472225	0.001544185	0.01225087	0.000495264	0.000179079	9.18257E-05	0.128897786	2.32577E-06	8.08057E-05	0.000814289	0.001880873	0
2109 May	0.001155025	0.172055319	1.16726E-05	1.716213942	3.273174763	0.061871111	0.000331793	6.056288719	0.001554414	0.012306006	0.000502108	0.00018045	9.26507E-05	0.130029231	2.33452E-06	8.11613E-05	0.000822939	0.001889812	0
2109 Jun	0.00115882	0.173319355	1.16778E-05	1.725700378	3.299768686	0.062715456	0.000330157	6.090087414	0.00156176	0.012323159	0.00050997	0.000181872	9.34165E-05	0.131027177	2.33557E-06	8.12393E-05	0.000832198	0.001894881	0
2109 Jul	0.00118505	0.177078113	1.19548E-05	1.763122797	3.368627787	0.06394469	0.000337312	6.221549988	0.001596427	0.012605927	0.000520029	0.00018589	9.5406E-05	0.13377282	2.39096E-06	8.30464E-05	0.000848825	0.001938638	0
2109 Aug	0.001216481	0.181544811	1.22812E-05	1.807810068	3.451174974	0.065410271	0.000346202	6.379728317	0.001637458	0.01293977	0.000532023	0.000190321	9.77829E-05	0.137067065	2.45625E-06	8.5198E-05	0.000867993	0.001988628	0
2109 Sep	0.001203949	0.179351181	1.21588E-05	1.787491798	3.409798861	0.06447801	0.000344393	6.309549809	0.001618979	0.012811464	0.000524082	0.000187573	9.65783E-05	0.135446146	2.43175E-06	8.4412E-05	0.000855852	0.001965551	0
2109 Oct	0.001151479	0.170856789	1.16309E-05	1.705214977	3.248313189	0.061108563	0.00033298	6.022964954	0.001544288	0.012265141	0.000496039	0.000177733	9.1877E-05	0.129059747	2.32619E-06	8.09399E-05	0.000811991	0.001873726	0
2109 Nov	0.001151246	0.170751423	1.16288E-05	1.70441401	3.246316433	0.061037876	0.000333291	6.020541668	0.001543544	0.012263919	0.000495395	0.000177523	9.18069E-05	0.128983364	2.32575E-06	8.09453E-05	0.000811143	0.001872699	0
2109 Dec	0.00115191	0.170848563	1.16355E-05	1.705388546	3.248164415	0.061072018	0.00033349	6.023992062	0.001544426	0.012271014	0.00049567	0.000177622	9.18589E-05	0.129056826	2.32709E-06	8.09924E-05	0.000811598	0.001873766	0
2110 Jan	0.00115219	0.170890152	1.16383E-05	1.705802917	3.24895978	0.061087042	0.000333572	6.025462151	0.001544798	0.012273972	0.000495788	0.000177664	9.18808E-05	0.129088402	2.32765E-06	8.10121E-05	0.000811795	0.001874209	0
2110 Feb	0.001152546	0.170943677	1.16418E-05	1.706333995	3.249983072	0.061106648	0.000333674	6.027342796	0.001545276	0.012277722	0.000495942	0.000177718	9.1909E-05	0.129128993	2.32836E-06	8.10369E-05	0.000812051	0.001874778	0
2110 Mar	0.00115357	0.171095863	1.16521E-05	1.70785141	3.252879858	0.061161321	0.000333969	6.032705784	0.001546649	0.012288603	0.000496383	0.000177876	9.19906E-05	0.129244044	2.33042E-06	8.11087E-05	0.000812776	0.001876437	0
2110 Apr	0.001157874	0.171734512	1.16955E-05	1.714225292	3.265023708	0.06138977	0.000335215	6.055222511	0.00155242	0.012334444	0.000498236	0.000178539	9.23338E-05	0.129726529	2.33911E-06	8.14113E-05	0.00081581	0.001883436	0
2110 May	0.001169096	0.173521936	1.18014E-05	1.731502771	3.299621582	0.062102452	0.000338025	6.11656189	0.00156776	0.012448829	0.0005042	0.000180352	9.33095E-05	0.131090075	2.36028E-06	8.21644E-05	0.000824814	0.001900993	0
2110 Jun	0.001109259	0.165474042	1.11715E-05	1.647393942	3.147939444	0.059641279	0.000317026	5.817674637	0.001490912	0.011793129	0.000485442	0.000172666	8.90738E-05	0.124997564	2.23429E-06	7.77539E-05	0.000790894	0.001806538	0
2110 Jul	0.001141229	0.170141309	1.15107E-05	1.693973899	3.234209776	0.061215673	0.000325799	5.980303288	0.001534052	0.012142138	0.000498245	0.000177964	9.15627E-05	0.12843439	2.30213E-06	7.99999E-05	0.000812751	0.001862105	0
2110 Aug	0.00109302	0.162287161	1.10545E-05	1.618369579	3.08134222	0.058028653	0.000313287	5.714420795	0.001466677	0.011630533	0.000472114	0.000168996	8.73718E-05	0.122435652	2.2109E-06	7.65731E-05	0.000769641	0.001780162	0
2110 Sep	0.001049396	0.155134767	1.06251E-05	1.550383568	2.94601965	0.055170774	0.000304304	5.477205753	0.001405017	0.011176181	0.000448151	0.000160639	8.34969E-05	0.117111519	2.12501E-06	7.36908E-05	0.000732084	0.001704135	0
2110 Oct	0.001009884	0.148562968	1.0228E-05	1.48737359	2.821252823	0.052492008	0.000296714	5.258673668	0.001347744	0.010768095	0.000425666	0.000152799	7.98304E-05	0.112184703	2.04561E-06	7.11357E-05	0.000697417	0.001633418	0
2110 Nov	0.001000102	0.146956488	1.01296E-05	1.471904278	2.790761709	0.051845856	0.000294731	5.20492363	0.001333685	0.010666721	0.000420256	0.000150907	7.8937E-05	0.110979751	2.02592E-06	7.04974E-05	0.000689038	0.001616085	0
2110 Dec	0.001000538	0.147018492	1.0134E-05	1.472532749	2.791940451	0.0518668	0.00029487	5.207158089	0.001334253	0.010671405	0.000420424	0.000150968	7.89699E-05	0.111026712	2.0268E-06	7.05288E-05	0.000689319	0.00161677	0
2111 Jan	0.001000652	0.14703536	1.01351E-05	1.472700477	2.792267084	0.051872969	0.000294905	5.207760334	0.001334402	0.010672588	0.000420468	0.000150983	7.89783E-05	0.111039646	2.02702E-06	7.05368E-05	0.000689398	0.001616939	0
2111 Feb	0.001000735	0.147048548	1.01359E-05	1.472828269	2.792525291	0.051878273	0.000294928	5.208219051	0.001334514	0.01067342	0.000420505	0.000150995	7.89847E-05	0.111049823	2.02717E-06	7.05424E-05	0.000689463	0.001617059	0
2111 Mar	0.001002488	0.147306696	1.01536E-05	1.475411534	2.797432184	0.051969707	0.000295443	5.217357635	0.001336853	0.01069209	0.000421242	0.00015126	7.9123E-05	0.111244902	2.03072E-06	7.06658E-05	0.000690675	0.001619885	0
2111 Apr	0.001009352	0.148315489	1.02231E-05	1.485514283	2.816592455	0.052325815	0.000297465	5.253085136	0.001346005	0.010765273	0.000424127	0.000152295	7.96646E-05	0.112006813	2.04461E-06	7.11495E-05	0.000695405	0.001630971	0
2111 May	0.001022153	0.150459304	1.03367E-05	1.505792379	2.858666897	0.053241648	0.000300319	5.325453758	0.001363714	0.010890814	0.000431927	0.0001544	8.08481E-05	0.113656223	2.06734E-06	7.19764E-05	0.000706577	0.001650162	0
2111 Jun	0.000995498	0.147417545	1.00262E-05	1.471380591	2.804034948	0.052659344	0.000289048	5.2039814	0.001331023	0.010578348	0.000428462	0.000151463	7.93183E-05	0.111409448	2.00523E-06	6.98669E-05	0.000696498	0.001606002	0
2111 Jul	0.00104992	0.155432254	1.05838E-05	1.551450372	2.955200672	0.055469587	0.00030465	5.486040592	0.00140399	0.011162	0.000451306	0.000159965	8.362E-05	0.117421418	2.11676E-06	7.36931E-05	0.000734253	0.001695955	0
2111 Aug	0.001034055	0.152639464	1.04441E-05	1.525698781	2.900436878	0.054245677	0.000301148	5.395672798	0.00138128	0.010994204	0.000441115	0.000156557	8.21639E-05	0.115298599	2.08883E-06	7.25639E-05	0.000717444	0.001668136	0
2111 Sep	0.001027965	0.151389509	1.03954E-05	1.51578939	2.87760973	0.053662606	0.000301272	5.361469746	0.001372296	0.010932665	0.000435927	0.000154801	8.15623E-05	0.114438288	2.07907E-06	7.22084E-05	0.00070947	0.001656411	0
2111 Oct	0.000997333	0.146435171	1.00866E-05	1.46784997	2.783642054	0.051703028	0.000294699	5.19451952	0.001328725	0.010614083	0.000419563	0.000149065	7.88178E-05	0.110721603	2.01732E-06	7.01908E-05	0.000684011	0.001602818	0
2111 Nov	0.000979802	0.143552631	9.90989E-06	1.440115213	2.728995562	0.050543234	0.000291198	5.098198891	0.001303499	0.010432593	0.000409835	0.000145665	7.72126E-05	0.108561933	1.98198E-06	6.90514E-05	0.000668993	0.001571699	0
2111 Dec	0.000980123	0.143591017	9.91314E-06	1.440532446	2.729730129	0.050552741	0.000291342	5.099727631	0.001303873	0.010436166	0.000409903	0.000145691	7.72315E-05	0.108591512	1.98263E-06	6.90769E-05	0.00066913	0.001572132	0
2112 Jan	0.00098023	0.143606916	9.91415E-06	1.440690517	2.730039358	0.050558601	0.000291375	5.100297451	0.001304013	0.010437272	0.000409944	0.000145705	7.72394E-05	0.108603761	1.98283E-06	6.90844E-05	0.000669203	0.001572286	0
2112 Feb	0.000980513	0.143649474	9.91692E-06	1.441112518	2.730858808	0.050574359	0.000291456	5.101798534	0.00130439	0.010440218	0.000410064	0.000145746	7.72614E-05	0.108636208	1.98338E-06	6.91039E-05	0.000669405	0.001572724	0
2112 Mar	0.00098253	0.143945575	9.93726E-06	1.444080114	2.736492157	0.050679028	0.000292054	5.112308979	0.001307074	0.010461657	0.000410909	0.000146046	7.74203E-05	0.108860277	1.98745E-06	6.92459E-05	0.000670787	0.00157595	0
2112 Apr	0.00098834	0.144797117	9.99599E-06	1.452621341	2.752683163	0.050979067	0.00029378	5.142549038	0.001314803	0.0105235	0.000413339	0.000146909	7.7878E-05	0.109504342	1.9992E-06	6.96553E-05	0.000674756	0.001585264	0
2112 May	0.000997442	0.146543011	1.00633E-05	1.468282104	2.788013458	0.05184428	0.000295053	5.198967934	0.001327946	0.010603375	0.000420933	0.000148546	7.88677E-05	0.110872865	2.01265E-06	7.01798E-05	0.000684681	0.001597619	0
2112 Jun	0.000915896	0.135624036	9.20207E-06	1.354244113	2.583095789	0.048547335	0.000266561	4.793743134	0.00122353	0.009709152	0.000395621	0.000138129	7.31215E-05	0.102639705	1.84041E-06	6.41826E-05	0.000639161	0.001468909	0
2112 Jul	0.000930876	0.137761846	9.3782E-06	1.375797153	2.620670319	0.049192503	0.00027037	4.866676807	0.001244415	0.009883328	0.000400822	0.00014122	7.42551E-05	0.104147077	1.87564E-06	6.52619E-05	0.000649365	0.00149941	0
2112 Aug	0.000965554	0.142771348	9.73374E-06	1.426759243	2.716110229	0.050930299	0.000280989	5.04706049	0.001290579	0.010252223	0.000414839	0.000146106	7.6989E-05	0.107959032	1.94675E-06	6.7706E-05	0.000672138	0.00155482	0
2112 Sep	0.000967108	0.142789364	9.75589E-06	1.428386092	2.71697998	0.050851215	0.000282621	5.053424358	0.001292027	0.010271319	0.000413912	0.000145845	7.7026E-05	0.108018637	1.95118E-06	6.78668E-05	0.000671045	0.00155611	0
2112 Oct	0.000959633	0.141503707	9.68054E-06	1.416187406	2.692626238	0.050309703	0.00028146	5.011356354	0.001280916	0.010195371	0.000409301	0.000144266	7.62952E-05	0.107057549	1.93611E-06	6.74034E-05	0.000664148	0.001542381	0
2112 Nov	0.000960179	0.141548246	9.68606E-06	1.416764021	2.693495274	0.050308999	0.000281822	5.013611794	0.001281422	0.010201844	0.000409255	0.000144259	7.63119E-05	0.107093513	1.93721E-06	6.74537E-05	0.000664188	0.001542922	0
2112 Dec	0.000960758	0.141632229	9.6919E-06	1.417609572	2.695094347	0.050338238	0.000281999	5.016612053	0.001282186	0.010208019	0.000409491	0.000144343	7.63569E-05	0.107157141	1.93838E-06	6.74948E-05	0.000664576	0.001543839	0
2113 Jan	0.000960823	0.14164196	9.69251E-06	1.417706013	2.695284367	0.050341867	0.000282019	5.016959667	0.001282271	0.01020869	0.000409516	0.000144351	7.63616E-05	0.107164651	1.9385E-06	6.74994E-05	0.000664621	0.001543932	0
2113 Feb	0.000961076	0.141679972	9.69499E-06	1.418083191	2.696013689	0.050355889	0.000282092	5.018300056	0.00128261	0.010211333	0.000409625	0.000144389	7.63816E-05	0.107193589	1.939E-06	6.75169E-05	0.000664802	0.001544328	0
2113 Mar	0.000964171	0.142136559	9.72617E-06	1.422651172	2.704705238	0.050518438	0.000282999	5.034468174	0.001286739	0.010244186	0.000410945	0.000144853	7.66275E-05	0.107539125	1.94523E-06	6.77342E-05	0.000666946	0.001549294	0
2113 Apr	0.000969957	0.142989725	9.78452E-06	1.431189537	2.720942259	0.050821837	0.000284696	5.064685345	0.001294461	0.010305647	0.000413411	0.000145723	7.70872E-05	0.10818468	1.9569E-06	6.81406E-05	0.00067095	0.001558588	0
2113 May	0.000981872	0.145102859	9.88476E-06	1.450758338	2.762854338	0.051784001	0.000286922	5.134552956	0.001311347	0.010418517	0.000421709	0.000147817	7.82683E-05	0.109819978	1.97695E-06	6.88797E-05	0.000682459	0.001576245	0
2113 Jun	0.00095722	0.142360002	9.59973E-06	1.419437289	2.713517666	0.051296547	0.000276153	5.023151398	0.001281714	0.010131005	0.000418908	0.000145402	7.68959E-05	0.107786655	1.91995E-06	6.69249E-05	0.000674055	0.001537003	0
2113 Jul	0.000994642	0.147810981	9.98526E-06	1.473786235	2.815369844	0.053164624	0.000286682	5.214851379	0.001331425	0.010530666	0.000434202	0.000151074	7.98134E-05	0.111840941	1.99705E-06	6.9521E-05	0.000698914	0.001598127	0
2113 Aug	0.001024545	0.152106091	1.02923E-05	1.517163634	2.896323204	0.054627657	0.000295552	5.368563652	0.001370868	0.010847533	0.000446103	0.000155295	8.21378E-05	0.115072638	2.05845E-06	7.15986E-05	0.000717953	0.001645456	0
2113 Sep	0.001014376	0.150278762	1.01958E-05	1.500671148	2.862060308	0.053836349	0.000294388	5.31152916	0.001355891	0.010744623	0.000439258	0.000152992	8.11482E-05	0.113738284	2.03916E-06	7.09772E-05	0.000707677	0.001626826	0
2113 Oct	0.000968897	0.142910123	9.73861E-06	1.429381013	2.722141743	0.050909754	0.000284714	5.063058376	0.001291185	0.010274014	0.000414734	0.000144538	7.70484E-05	0.108203158	1.94772E-06	6.80003E-05	0.000669943	0.001547785	0
2113 Nov	0.000962271	0.141719237	9.67202E-06	1.418249249	2.699597359	0.050387874	0.00028396	5.024931431	0.001281032	0.010207566	0.00041026	0.000143012	7.63649E-05	0.107315585	1.9344E-06	6.76052E-05	0.000663333	0.001535149	0
2113 Dec	0.00096287	0.141805395	9.67805E-06	1.419119239	2.701239586	0.050417524	0.000284149	5.028026581	0.001281817	0.010213966	0.000410499	0.000143096	7.64109E-05	0.107380964	1.93561E-06	6.7648E-05	0.000663727	0.001536086	0
2114 Jan	0.000963023	0.141827971	9.67952E-06	1.419343948	2.701675415	0.05042576	0.000284196	5.028831005	0.001282017	0.010215552	0.00041056	0.000143117	7.64224E-05	0.107398242	1.9359E-06	6.76587E-05	0.000663832	0.001536314	0
2114 Feb	0.000963132	0.141845033	9.68054E-06	1.419510484	2.702008486	0.050432466	0.000284225	5.029427528	0.001282164	0.010216659	0.000410608	0.000143133	7.6431E-05	0.107411377	1.93611E-06	6.76661E-05	0.000663915	0.001536475	0
2114 Mar	0.000964709	0.142077684	9.69633E-06	1.421836495	2.706444263	0.050515536	0.000284689	5.03767252	0.001284262	0.01023335	0.000411281	0.000143367	7.65559E-05	0.107587673	1.93927E-06	6.77766E-05	0.000665005	0.001538983	0
2114 Apr	0.000968708	0.14266704	9.73651E-06	1.427733064	2.71767354	0.050725281	0.000285869	5.05856657	0.001289587	0.010275761	0.000412987	0.000143961	7.68733E-05	0.108034022	1.9473E-06	6.80576E-05	0.000667765	0.001545359	0
2114 May	0.000968425	0.143077344	9.70742E-06	1.429813504	2.727711916	0.051140778	0.000284198	5.066842079	0.001290395	0.01025495	0.000416971	0.000144276	7.7146E-05	0.10839285	1.94148E-06	6.79135E-05	0.000671698	0.001542781	0
2114 Jun	0.000977629	0.145084962	9.77193E-06	1.44703126	2.768122673	0.052213341	0.000284368	5.127608776	0.001304938	0.010333456	0.00042654	0.00014655	7.82995E-05	0.10994532	1.95439E-06	6.83983E-05	0.000684365	0.001557412	0
2114 Jul	0.001034051	0.153390363	1.03438E-05	1.529889584	2.925207376	0.055140208	0.000300588	5.420556068	0.001380132	0.010933257	0.000450461	0.000155074	8.27655E-05	0.116190352	2.06876E-06	7.23385E-05	0.000723059	0.001648486	0
2114 Aug	0.001095343	0.162398592	1.0961E-05	1.620171309	3.096726656	0.058336351	0.000318632	5.740531445	0.001461688	0.011581641	0.000476518	0.000164086	8.76367E-05	0.123013698	2.1922E-06	7.66252E-05	0.00076486	0.001745855	0
2114 Sep	0.001077977	0.159378812	1.07968E-05	1.592599273	3.039928198	0.057063106	0.00031605	5.64451313	0.001436742	0.011404784	0.000465558	0.000160441	8.60141E-05	0.120798282	2.15937E-06	7.55333E-05	0.000748309	0.001715241	0
2114 Oct	0.001050642	0.154879794	1.05233E-05	1.549307704	2.954410315	0.055242907	0.000310604	5.493828297	0.001397488	0.011124192	0.000450208	0.000155238	8.34936E-05	0.117418006	2.10465E-06	7.37711E-05	0.00072503	0.001667472	0
2114 Nov	0.001026395	0.150923699	1.02797E-05	1.511124134	2.879284143	0.053659387	0.000305599	5.36085844	0.001362833	0.010874053	0.000436902	0.000150676	8.12857E-05	0.114446968	2.05595E-06	7.21946E-05	0.000704675	0.001625165	0
2114 Dec	0.001026005	0.150850192	1.02758E-05	1.510447145	2.877895594	0.053625915	0.000305574	5.358559608	0.001362214	0.010870203	0.000436612	0.000150577	8.12429E-05	0.1143924	2.05516E-06	7.21725E-05	0.000704254	0.001624387	0
2115 Jan	0.00102621	0.15088059	1.02778E-05	1.510750055	2.878483057	0.053637002	0.000305637	5.359644413	0.001362483	0.010872342	0.000436695	0.000150605	8.12584E-05	0.114415698	2.05556E-06	7.21869E-05	0.000704395	0.001624693	0
2115 Feb	0.001026474	0.15092054	1.02803E-05	1.511144519	2.879255772	0.053652056	0.000305712	5.361052513	0.001362834	0.01087506	0.000436809	0.000150643	8.12791E-05	0.114446282	2.05606E-06	7.2205E-05	0.000704586	0.001625092	0
2115 Mar	0.001027368	0.151052713	1.02892E-05	1.512464762	2.881782293	0.053699501	0.000305977	5.365740776	0.001364022	0.010884495	0.000437191	0.000150774	8.13497E-05	0.114546642	2.05784E-06	7.22677E-05	0.000705205	0.001626499	0

Appendix D.2-4: B5

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.001033336	0.151930586	1.03489E-05	1.52125299	2.898533583	0.054011848	0.000307753	5.396921158	0.001371946	0.010947701	0.000439731	0.00015165	8.18222E-05	0.115212448	2.06979E-06	7.26874E-05	0.000709305	0.001635942	0
2115 May	0.001035554	0.152735353	1.03434E-05	1.527166605	2.916233063	0.054583374	0.000306742	5.418838501	0.00137615	0.010952473	0.000445011	0.000152357	8.23093E-05	0.115873359	2.06868E-06	7.27133E-05	0.000715213	0.001637229	0
2115 Jun	0.001066764	0.157836273	1.06294E-05	1.575961351	3.015720606	0.056692332	0.000314165	5.59244585	0.001419122	0.011265247	0.000462843	0.000157474	8.51129E-05	0.119783513	2.12589E-06	7.47753E-05	0.000741453	0.001685246	0
2115 Jul	0.001119748	0.165565774	1.11638E-05	1.65308857	3.161733389	0.05938578	0.000329563	5.866093159	0.001489004	0.011825677	0.000484892	0.000165142	8.92554E-05	0.125589728	2.23276E-06	7.84595E-05	0.000776676	0.001768846	0
2115 Aug	0.001098896	0.162084475	1.09753E-05	1.620453358	3.09406209	0.057938717	0.000324528	5.750750065	0.001460122	0.011606916	0.000472815	0.000161207	8.74329E-05	0.122952566	2.19507E-06	7.69943E-05	0.000757196	0.001734273	0
2115 Sep	0.001099043	0.161826834	1.09883E-05	1.620127916	3.090088367	0.057741076	0.000326122	5.750132084	0.001459812	0.011610815	0.000470819	0.00016057	8.73674E-05	0.122836135	2.19766E-06	7.7061E-05	0.000754304	0.001733165	0
2115 Oct	0.001095232	0.161115661	1.09501E-05	1.613562107	3.076629162	0.057419229	0.000325834	5.727761745	0.00145382	0.01157317	0.000468035	0.000159632	8.69546E-05	0.122307204	2.19002E-06	7.68427E-05	0.00075026	0.00172569	0
2115 Nov	0.00108313	0.159101635	1.08287E-05	1.594261169	3.038397789	0.056596551	0.000323551	5.660755634	0.001436291	0.011449039	0.000461086	0.000157258	8.58242E-05	0.120796971	2.16575E-06	7.60683E-05	0.000739721	0.001704224	0
2115 Dec	0.001083116	0.159082741	1.08286E-05	1.594134331	3.038052082	0.056582224	0.000323642	5.660412312	0.001436168	0.011449173	0.000460951	0.000157213	8.58109E-05	0.12078391	2.16572E-06	7.60727E-05	0.000739551	0.001704034	0
2116 Jan	0.001083328	0.159114003	1.08306E-05	1.594446182	3.038657188	0.056593638	0.000323707	5.661530018	0.001436445	0.011451368	0.000461037	0.000157241	8.58269E-05	0.120807901	2.16612E-06	7.60876E-05	0.000739695	0.001704346	0
2116 Feb	0.001083854	0.159192592	1.08358E-05	1.59522748	3.040168762	0.05662249	0.000323861	5.664313793	0.001437143	0.011456852	0.000461262	0.000157317	8.58683E-05	0.120867856	2.16715E-06	7.61241E-05	0.000740065	0.001705155	0
2116 Mar	0.001084859	0.159340844	1.08457E-05	1.596709847	3.043005705	0.056675714	0.000324159	5.66958189	0.001438476	0.011467428	0.000461691	0.000157462	8.59477E-05	0.120980576	2.16915E-06	7.61944E-05	0.000740757	0.001706726	0
2116 Apr	0.001090664	0.16019395	1.09037E-05	1.605256796	3.059301138	0.056979429	0.000325892	5.699933052	0.001446174	0.011528771	0.000464162	0.000158305	8.64076E-05	0.121628404	2.18075E-06	7.6602E-05	0.000744724	0.001715853	0
2116 May	0.001099492	0.161862075	1.09708E-05	1.620317936	3.092952251	0.057793975	0.000327218	5.754097462	0.001458879	0.011607506	0.00047128	0.000159886	8.73503E-05	0.122933663	2.19415E-06	7.71194E-05	0.000754143	0.001728061	0
2116 Jun	0.001029514	0.152649224	1.02289E-05	1.523367167	2.92023468	0.055095553	0.000302066	5.408909798	0.001370063	0.010838209	0.000450654	0.000151322	8.25043E-05	0.115981512	2.04577E-06	7.19423E-05	0.000716765	0.001618806	0
2116 Jul	0.001084063	0.160706654	1.07856E-05	1.603898168	3.072692633	0.057943314	0.00031775	5.692779541	0.001443293	0.011421763	0.000473898	0.00015982	8.68503E-05	0.122044191	2.15712E-06	7.57762E-05	0.000754852	0.001708594	0
2116 Aug	0.001133656	0.167953685	1.12846E-05	1.677041411	3.21139431	0.060512856	0.000332761	5.952450275	0.001509177	0.011945067	0.000494787	0.000166907	9.07965E-05	0.127569884	2.25691E-06	7.92551E-05	0.000788188	0.001786452	0
2116 Sep	0.001104529	0.163158447	1.10013E-05	1.631515622	3.120327473	0.058574989	0.00032688	5.793061256	0.001468091	0.011646392	0.000478371	0.00016148	8.817E-05	0.123986378	2.20026E-06	7.73634E-05	0.000763281	0.001736964	0
2116 Oct	0.001071398	0.157630831	1.06714E-05	1.57856822	3.015106201	0.056302469	0.000320649	5.608915329	0.001420148	0.011308873	0.000459125	0.00015506	8.50568E-05	0.119830392	2.13428E-06	7.52555E-05	0.000734431	0.0016789	0
2116 Nov	0.001071607	0.157566965	1.06735E-05	1.578278065	3.013962507	0.056236546	0.000321246	5.608466148	0.00141984	0.011312831	0.000458484	0.000154853	8.50036E-05	0.119788677	2.1347E-06	7.5302E-05	0.000733684	0.001678329	0
2116 Dec	0.00107179	0.157592461	1.06753E-05	1.578538895	3.014450788	0.056244954	0.00032131	5.609401703	0.001420074	0.011314799	0.000458551	0.000154876	8.5017E-05	0.119808152	2.13506E-06	7.53154E-05	0.000733796	0.001678604	0
2117 Jan	0.001071851	0.157601476	1.06759E-05	1.578628302	3.014628649	0.056248359	0.000321329	5.609725952	0.001420152	0.011315413	0.000458574	0.000154883	8.50213E-05	0.119815171	2.13517E-06	7.53196E-05	0.000733838	0.001678686	0
2117 Feb	0.001071914	0.157611534	1.06764E-05	1.5787251	3.01482749	0.056252517	0.000321345	5.610075951	0.001420236	0.011316025	0.000458602	0.000154892	8.50261E-05	0.119822986	2.13528E-06	7.53237E-05	0.000733887	0.001678772	0
2117 Mar	0.001073163	0.157795712	1.06888E-05	1.580567956	3.018354416	0.056318562	0.000321719	5.616627216	0.001421892	0.011329189	0.000459137	0.000155072	8.51251E-05	0.119963117	2.13777E-06	7.54114E-05	0.000734746	0.001680723	0
2117 Apr	0.001080634	0.158894405	1.07632E-05	1.591571689	3.039372206	0.056710873	0.000323958	5.655731678	0.00143179	0.011408037	0.000462334	0.000156152	8.57176E-05	0.120798439	2.15264E-06	7.59363E-05	0.000739863	0.001692419	0
2117 May	0.00109326	0.16107294	1.08713E-05	1.611960292	3.082503557	0.057677079	0.000326589	5.728645325	0.00144943	0.011529332	0.000470615	0.000158271	8.69281E-05	0.122484632	2.17427E-06	7.6737E-05	0.000751488	0.001710997	0
2117 Jun	0.001098088	0.162442043	1.08909E-05	1.622785449	3.110903502	0.058528893	0.000325495	5.766857147	0.001458143	0.011561005	0.000478371	0.000159881	8.77373E-05	0.123558961	2.17818E-06	7.69153E-05	0.000761207	0.001718477	0
2117 Jul	0.001153747	0.170589328	1.14503E-05	1.704163074	3.265406847	0.061392725	0.000341787	6.05564785	0.001531723	0.012149351	0.00050181	0.000167958	9.21171E-05	0.129701748	2.29006E-06	8.07963E-05	0.000798632	0.001806226	0
2117 Aug	0.001185846	0.175185755	1.17764E-05	1.750870466	3.35289979	0.062971264	0.000351694	6.22175312	0.001573916	0.012488094	0.000514613	0.00017232	9.46186E-05	0.133196071	2.35529E-06	8.30426E-05	0.000818972	0.001855953	0
2117 Sep	0.001196723	0.176627591	1.18877E-05	1.766171575	3.380732536	0.063417815	0.000355829	6.276772976	0.00158765	0.012605434	0.000518057	0.000173521	9.53934E-05	0.134315521	2.37754E-06	8.38519E-05	0.000824867	0.001871897	0
2117 Oct	0.001178381	0.173580915	1.17066E-05	1.736944914	3.322553396	0.062165882	0.000352253	6.1748209	0.001561275	0.012419223	0.000507449	0.000170056	9.36778E-05	0.132017702	2.34132E-06	8.26816E-05	0.000809062	0.001840318	0
2117 Nov	0.001173295	0.172733948	1.16564E-05	1.728826523	3.30638051	0.061817031	0.000351272	6.146512508	0.001553948	0.012367621	0.000504491	0.00016909	9.32005E-05	0.131379023	2.33128E-06	8.23578E-05	0.00080466	0.001831542	0
2117 Dec	0.001173529	0.172762305	1.16587E-05	1.729133129	3.306925535	0.06182427	0.000351377	6.14763689	0.001554222	0.012370224	0.000504543	0.00016911	9.32145E-05	0.131400928	2.33175E-06	8.23763E-05	0.000804763	0.001831856	0
2118 Jan	0.0011737	0.172787502	1.16603E-05	1.729383707	3.307416439	0.061833583	0.000351429	6.148539543	0.001554443	0.012371976	0.000504611	0.000169132	9.32272E-05	0.131420359	2.33207E-06	8.23882E-05	0.00080488	0.001832101	0
2118 Feb	0.001173925	0.172822058	1.16625E-05	1.729723334	3.308087826	0.061846849	0.000351493	6.149755955	0.001554743	0.012374274	0.00050471	0.000169164	9.32449E-05	0.131446913	2.33249E-06	8.24036E-05	0.000805045	0.001832434	0
2118 Mar	0.001174651	0.172929645	1.16696E-05	1.730796933	3.310153246	0.061885845	0.000351709	6.153577328	0.001555705	0.012381883	0.000505023	0.000169268	9.33024E-05	0.131528914	2.33392E-06	8.24544E-05	0.000805549	0.001833557	0
2118 Apr	0.001180248	0.173800126	1.17211E-05	1.73929441	3.327189684	0.06222938	0.000353258	6.184102058	0.001563156	0.012438084	0.000507494	0.000170054	9.37372E-05	0.13220118	2.34422E-06	8.28317E-05	0.000809757	0.001841637	0
2118 May	0.001169445	0.173124924	1.15594E-05	1.728436828	3.318832636	0.062535711	0.000346852	6.147470474	0.001551178	0.012287335	0.000510373	0.000169169	9.33936E-05	0.131787643	2.31187E-06	8.18204E-05	0.000810665	0.00182008	0
2118 Jun	0.001108419	0.165211171	1.09047E-05	1.644509792	3.171093464	0.060297541	0.000324488	5.848983288	0.001473978	0.011611359	0.000493409	0.000161775	8.92348E-05	0.125827849	2.18094E-06	7.72706E-05	0.000779141	0.00172405	0
2118 Jul	0.001178868	0.175665155	1.16055E-05	1.748613119	3.370601654	0.064064085	0.000344938	6.218423367	0.001567728	0.012353357	0.000524224	0.000172197	9.487E-05	0.133749291	2.32111E-06	8.21826E-05	0.000828218	0.001835178	0
2118 Aug	0.00118193	0.175803214	1.16526E-05	1.752177835	3.373150587	0.063972831	0.000347066	6.231267929	0.001571225	0.012387868	0.000523155	0.000171985	9.50173E-05	0.133897185	2.33051E-06	8.24211E-05	0.000826635	0.001839067	0
2118 Sep	0.001128949	0.167292908	1.11395E-05	1.670684338	3.211079359	0.060612444	0.000335074	5.944381714	0.001497911	0.011841906	0.000494904	0.000162729	9.03978E-05	0.127513349	2.2279E-06	7.8909E-05	0.00078337	0.001751701	0
2118 Oct	0.001090431	0.161067083	1.07582E-05	1.610424161	3.092212915	0.058127958	0.000326624	5.73335886	0.001443544	0.011446744	0.000474035	0.000155835	8.69302E-05	0.122812971	2.15163E-06	7.63904E-05	0.000751743	0.001686661	0
2118 Nov	0.001083012	0.159838229	1.06847E-05	1.598629832	3.068772554	0.057625223	0.000325164	5.692227364	0.00143289	0.011371195	0.000469784	0.000154433	8.62403E-05	0.121887133	2.13695E-06	7.59154E-05	0.000745373	0.001673857	0
2118 Dec	0.001083518	0.159910664	1.06897E-05	1.599362373	3.070163727	0.057650294	0.000325328	5.694847584	0.001433546	0.011376552	0.000469986	0.0001545	8.62789E-05	0.121942483	2.13795E-06	7.59516E-05	0.0007457	0.001674621	0
2119 Jan	0.001083718	0.159940258	1.06917E-05	1.599657297	3.070737362	0.057661165	0.000325389	5.695905685	0.001433808	0.011378623	0.000470069	0.000154527	8.62942E-05	0.12196523	2.13833E-06	7.59655E-05	0.000745838	0.001674915	0
2119 Feb	0.00108403	0.159987271	1.06947E-05	1.600123286	3.071647644	0.057678744	0.000325481	5.697571278	0.001434222	0.011381847	0.000470206	0.000154571	8.63189E-05	0.122001268	2.13893E-06	7.59871E-05	0.00074606	0.001675385	0
2119 Mar	0.001086232	0.160312712	1.07163E-05	1.603375793	3.077899456	0.057796411	0.00032614	5.70915556	0.001437135	0.011404932	0.000471162	0.000154885	8.64941E-05	0.122249551	2.14327E-06	7.61413E-05	0.00074758	0.001678781	0
2119 Apr	0.001096717	0.162027046	1.08048E-05	1.619749904	3.112166882	0.058529466	0.000328839	5.768609047	0.001451134	0.011504874	0.000475925	0.0001563	8.72918E-05	0.1235938	2.16096E-06	7.68206E-05	0.000756117	0.00169257	0
2119 May	0.001074394	0.160287306	1.04688E-05	1.595303655	3.088931561	0.058901172	0.000317375	5.688520432	0.001424197	0.011192333	0.000473868	0.000153328	8.58032E-05	0.122523956	2.09376E-06	7.47858E-05	0.00075402	0.001642954	0
2119 Jun	0.001060407	0.158565432	1.03241E-05	1.576632977	3.056154251	0.058443047	0.000311652	5.620615005	0.001407377	0.011040951	0.000470288	0.000152133	8.48841E-05	0.121197313	2.06483E-06	7.37372E-05	0.00074804	0.001623798	0
2119 Jul	0.001120719	0.167547643	1.09239E-05	1.666059852	3.227804899	0.061697472	0.000329126	5.937748909	0.001487885	0.011676637	0.000496429	0.000161158	8.96835E-05	0.128011227	2.18477E-06	7.79485E-05	0.000790532	0.001719396	0
2119 Aug	0.001150806	0.171796545	1.12309E-05	1.710209966	3.309902191	0.063157625	0.000339055	6.095148087	0.00152751	0.011992477	0.000507893	0.00016498	9.20283E-05	0.131306022	2.24618E-06	8.0071E-05	0.000808932	0.001765036	0
2119 Sep	0.001125804	0.167639941	1.09991E-05	1.671475291	3.230664253	0.061454121	0.000334004	5.958366394	0.001492908	0.011738475	0.00049361	0.000160446	8.98301E-05	0.128206953	2.19982E-06	7.84428E-05	0.000787104	0.001724419	0
2119 Oct	0.001100015	0.163449809	1.07456E-05	1.630992055	3.150461912	0.059767213	0.000328402	5.816448212	0.001456476	0.011475311	0.00047945	0.000155842	8.74953E-05	0.125037134	2.14913E-06	7.67644E-05	0.000765763	0.00168119	0
2119 Nov	0.001089202	0.161702663	1.06392E-05	1.614080906	3.117033243	0.059068333	0.000326005	5.757131577	0.001441253	0.011364706	0.000473585	0.000153931	8.65229E-05	0.12371552	2.12784E-06	7.60574E-05	0.000756903	0.001663111	0
2119 Dec	0.001089719	0.16177763	1.06443E-05	1.61483562	3.118478775	0.059094913	0.000326169	5.759832382	0.001441926	0.011370135	0.000473796	0.000154	8.65626E-05	0.123772971	2.12885E-06	7.6094E-05	0.000757247	0.001663887	0

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	51	0.040	0.011	0.00089	11	0.019	3.9	7.9E-04	7.9E-04	4.4E-06	6.3E-03	1.1E-03	8.1E-03	1.6E-02	4.4E-06	1.7E+01	1.7E-05	2.5E-04	2.2E-04
Operations (2020-2043): Mean	361	0.80	1.3	0.031	161	0.076	59	9.6E-04	9.4E-04	6.1E-06	8.6E-03	2.5E-03	9.0E-02	2.3E-02	9.1E-06	2.8E+01	3.1E-05	4.7E-04	3.7E-04
Operations (2020-2043): Max	1016	2.0	3	0.13	461	0.14	183	1.4E-03	1.1E-03	1.1E-05	1.0E-02	4.3E-03	1.9E-01	4.3E-02	3.0E-05	5.2E+01	5.1E-05	1.2E-03	6.7E-04
Active Closure (2044-2050): Min	140	0.19	0.27	0.0053	32	0.038	37	9.2E-04	9.2E-04	5.0E-06	7.7E-03	1.4E-03	5.3E-02	1.3E-02	5.1E-06	1.9E+01	2.5E-05	2.2E-04	1.9E-04
Active Closure (2044-2050): Mean	226	0.41	0.66	0.013	67	0.062	58	1.0E-03	1.0E-03	5.6E-06	8.7E-03	1.9E-03	7.9E-02	1.8E-02	5.8E-06	2.6E+01	2.9E-05	3.0E-04	2.6E-04
Active Closure (2044-2050): Max	327	0.65	1.2	0.026	111	0.083	86	1.2E-03	1.2E-03	6.5E-06	1.0E-02	2.3E-03	1.1E-01	2.9E-02	7.8E-06	3.6E+01	3.6E-05	4.5E-04	4.7E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Post Closure (2051-2119): Min	77	0.042	0.015	0.0011	11	0.025	15	9.0E-04	9.0E-04	4.6E-06	6.4E-03	1.1E-03	2.1E-02	1.5E-02	4.6E-06	1.6E+01	1.8E-05	2.1E-04	1.8E-04
Post Closure (2051-2119): Mean	106	0.069	0.036	0.0014	16	0.029	25	9.8E-04	9.8E-04	5.1E-06	7.2E-03	1.5E-03	3.3E-02	2.4E-02	5.1E-06	2.4E+01	2.1E-05	2.9E-04	3.4E-04
Post Closure (2051-2119): Max	268	0.35	0.49	0.0091	56	0.060	87	1.1E-03	1.1E-03	5.6E-06	9.3E-03	2.1E-03	1.1E-01	3.3E-02	6.0E-06	3.2E+01	3.5E-05	3.7E-04	5.0E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	89.97966003	0.069010228	0.022752728	0.001	21.22766304	0.02	7.250909805	0.001	0.001	5E-06	0.006674866	0.001832668	0.008449731	0.041855309	5E-06	33.62913895	2.12998E-05	0.000450043	0.000650095
2020 Feb	89.98886871	0.069020234	0.022755403	0.001	21.23027229	0.02	7.251800537	0.001	0.001	5E-06	0.006674734	0.001832832	0.008449469	0.041860513	5E-06	33.63318634	2.12996E-05	0.000450086	0.000650189
2020 Mar	90.01818085	0.069044299	0.022762999	0.001000271	21.23742104	0.020005422	7.25424242	0.001000271	0.001000271	5.00136E-06	0.006676473	0.001833416	0.008451618	0.04187464	5.00136E-06	33.64447021	2.13052E-05	0.00045023	0.000650415
2020 Apr	90.28683472	0.069251232	0.022831036	0.001003226	21.30093384	0.02006452	7.275936604	0.001003226	0.001003226	5.01613E-06	0.006696157	0.001838881	0.008476507	0.041999884	5.01613E-06	33.74505997	2.13681E-05	0.000451573	0.000652364
2020 May	92.80264282	0.071181141	0.023467243	0.001031172	21.89451218	0.020623436	7.478690147	0.001031172	0.001031172	5.15586E-06	0.006882675	0.001890119	0.008712607	0.043170273	5.15586E-06	34.68540573	2.1963E-05	0.000464156	0.000670544
2020 Jun	77.82099915	0.057712145	0.019447368	0.000933184	18.0667038	0.018663671	6.171394825	0.000933184	0.000933184	4.66592E-06	0.006316714	0.001600559	0.008060827	0.035584819	4.66592E-06	28.67616463	2.00102E-05	0.000391638	0.000544321
2020 Jul	75.17486572	0.054664016	0.018646607	0.000939262	17.31160355	0.018958703	5.917801857	0.000939262	0.000939262	4.69631E-06	0.006378398	0.001557281	0.008180891	0.034071062	4.69631E-06	27.49434662	2.005E-05	0.000378845	0.000516118
2020 Aug	79.70105743	0.057892017	0.019717034	0.001002959	18.35490799	0.020507257	6.278655529	0.001002959	0.001002959	5.01479E-06	0.006790929	0.001654964	0.008751574	0.036081329	5.01479E-06	29.12558174	2.12041E-05	0.000401022	0.000545029
2020 Sep	75.64012146	0.057291999	0.018416975	0.000970056	17.45685959	0.020842152	5.994093418	0.000970056	0.000970056	4.85028E-06	0.006609809	0.001574402	0.008607053	0.033984996	4.85028E-06	27.52038574	2.0141E-05	0.000378618	0.00050769
2020 Oct	71.69335175	0.05791945	0.017080793	0.000938107	16.60090446	0.021332266	5.733884811	0.000938107	0.000938107	4.69054E-06	0.006475882	0.001495044	0.00846482	0.031913698	4.69054E-06	25.94292259	1.91842E-05	0.000356116	0.000470222
2020 Nov	70.72389984	0.058254194	0.016737297	0.000930626	16.39481735	0.021511508	5.672902107	0.000930626	0.000930626	4.65313E-06	0.006449301	0.001475531	0.008438542	0.031395238	4.65313E-06	25.55156326	1.89457E-05	0.000350458	0.000460646
2020 Dec	70.70331573	0.058269486	0.01672918	0.000930506	16.39057732	0.021518737	5.671728611	0.000930506	0.000930506	4.65253E-06	0.006449183	0.001475122	0.008438629	0.031383593	4.65253E-06	25.54295731	1.89408E-05	0.000350331	0.000460419
2021 Jan	70.70597076	0.058277581	0.016729468	0.000930523	16.39143562	0.021520685	5.672067642	0.000930523	0.000930523	4.65261E-06	0.006449375	0.001475171	0.008438882	0.031384751	4.65261E-06	25.54397774	1.89407E-05	0.00035034	0.000460433
2021 Feb	70.72571564	0.058294449	0.016734427	0.000930724	16.39621925	0.021525145	5.673712254	0.000930724	0.000930724	4.65362E-06	0.006450705	0.001475569	0.008440569	0.031394068	4.65362E-06	25.55146408	1.89448E-05	0.000350437	0.000460578
2021 Mar	70.77272797	0.05833352	0.016745703	0.000931311	16.40722847	0.021538604	5.677515984	0.000931311	0.000931311	4.65656E-06	0.006454735	0.001476543	0.008445813	0.031415239	4.65656E-06	25.56863976	1.89567E-05	0.000350669	0.000460894
2021 Apr	70.85977936	0.058405463	0.016766392	0.000932439	16.42747688	0.021564614	5.684519291	0.000932439	0.000932439	4.66219E-06	0.006462528	0.001478355	0.008455995	0.031454057	4.66219E-06	25.60020065	1.89796E-05	0.0003511	0.000461466
2021 May	72.24607086	0.059538964	0.017097039	0.000950347	16.74953461	0.021973187	5.795793533	0.000950347	0.000950347	4.75173E-06	0.006586184	0.001507196	0.00861728	0.032072879	4.75173E-06	26.1030674	1.93458E-05	0.000357976	0.00047061
2021 Jun	66.60853577	0.053679913	0.015570849	0.000927137	15.23343086	0.021358198	5.274412632	0.000927137	0.000927137	4.63568E-06	0.006480929	0.001401133	0.008512812	0.029104112	4.63568E-06	23.75990868	1.89953E-05	0.000331609	0.000420131
2021 Jul	67.67106628	0.053740855	0.015703328	0.00097062	15.38523102	0.022533365	5.333875179	0.00097062	0.00097062	4.8531E-06	0.006777253	0.001433729	0.008932313	0.029362841	4.8531E-06	23.9955883	1.97304E-05	0.000336706	0.000419603
2021 Aug	69.62404633	0.05516284	0.016073858	0.00101008	15.83191967	0.023844102	5.495688915	0.00101008	0.00101008	5.0504E-06	0.007015738	0.00148166	0.009311941	0.030149108	5.0504E-06	24.65153885	2.0202E-05	0.000345351	0.000428317
2021 Sep	65.95639038	0.054708634	0.014928252	0.000973959	15.04419708	0.023983227	5.244934559	0.000973959	0.000973959	4.8698E-06	0.006801149	0.001407073	0.009117302	0.02830876	4.8698E-06	23.23823166	1.91071E-05	0.00032509	0.000396286
2021 Oct	64.15776825	0.055650383	0.014276897	0.000958581	14.67464256	0.024344506	5.13812542	0.000958581	0.000958581	4.79291E-06	0.006747037	0.001370207	0.009059097	0.027349042	4.79291E-06	22.51723289	1.86272E-05	0.000314385	0.000378516
2021 Nov	64.37265778	0.055943593	0.014314744	0.000962163	14.72585583	0.024466174	5.156978607	0.000962163	0.000962163	4.81081E-06	0.006774535	0.001374826	0.009096391	0.027433479	4.81081E-06	22.58947563	1.86899E-05	0.00031536	0.000379516
2021 Dec	64.42472076	0.055998631	0.014325407	0.000962975	14.73795414	0.024489637	5.161299706	0.000962975	0.000962975	4.81488E-06	0.006780464	0.001375941	0.009104384	0.027455013	4.81488E-06	22.6074543	1.8705E-05	0.000315607	0.000379798
2022 Jan	64.43120575	0.056007657	0.014326733	0.000963049	14.73961067	0.024492301	5.161898613	0.000963049	0.000963049	4.81524E-06	0.006781019	0.001376072	0.009105111	0.027457885	4.81524E-06	22.60983849	1.87063E-05	0.000315637	0.000379838
2022 Feb	64.43683624	0.05601266	0.014328248	0.000963086	14.741045	0.024493022	5.162388325	0.000963086	0.000963086	4.81543E-06	0.006781233	0.001376181	0.009105357	0.027460735	4.81543E-06	22.61209679	1.8707E-05	0.000315664	0.000379886
2022 Mar	64.46860504	0.056040335	0.014335454	0.000963535	14.74839401	0.024504323	5.164954662	0.000963535	0.000963535	4.81767E-06	0.00678437	0.001376853	0.009109546	0.027474521	4.81767E-06	22.62339783	1.87158E-05	0.000315819	0.000380081
2022 Apr	65.11997986	0.056606591	0.014480379	0.000973255	14.89745426	0.024751464	5.217152596	0.000973255	0.000973255	4.86628E-06	0.0068528	0.001390761	0.009201414	0.027752258	4.86628E-06	22.85206795	1.89046E-05	0.00031901	0.000383926
2022 May	66.63027954	0.057919428	0.014816252	0.000995822	15.24298191	0.025325324	5.338155746	0.000995822	0.000995822	4.97911E-06	0.007011686	0.001423015	0.009414749	0.02839596	4.97911E-06	23.38210106	1.93429E-05	0.000326409	0.000392832
2022 Jun	62.19445801	0.052448269	0.013676741	0.000979278	14.00689316	0.024562335	4.905621529	0.000979278	0.000979278	4.89639E-06	0.006941061	0.001339448	0.009332157	0.026061025	4.89639E-06	21.52727699	1.92477E-05	0.000306646	0.000353893
2022 Jul	51.20473099	0.040300276	0.010977739	0.000889446	11.23022175	0.022322975	3.946737766	0.000889446	0.000889446	4.44723E-06	0.006287012	0.001130641	0.008506073	0.020850105	4.44723E-06	17.29586601	1.72889E-05	0.000253022	0.000271114
2022 Aug	53.80620956	0.042188153	0.011462387	0.000944368	11.81116962	0.024084767	4.157191753	0.000944368	0.000944368	4.72184E-06	0.00663122	0.001194433	0.009041489	0.021867139	4.72184E-06	18.15043259	1.8013E-05	0.000264754	0.000282009
2022 Sep	52.6085701	0.043005686	0.011006358	0.000932308	11.59753704	0.024498513	4.096353531	0.000932308	0.000932308	4.66154E-06	0.006561967	0.001169518	0.009027577	0.02122617	4.66154E-06	17.68507767	1.74807E-05	0.000257351	0.00026971
2022 Oct	51.50430679	0.044097979	0.010597019	0.000918254	11.39706898	0.024691476	4.042170048	0.000918254	0.000918254	4.59127E-06	0.006504226	0.001145178	0.008951917	0.020660097	4.59127E-06	17.26297569	1.70912E-05	0.000250474	0.000259459
2022 Nov	51.75550461	0.044368841	0.010644231	0.000922805	11.45403194	0.02482854	4.062801838	0.000922805	0.000922805	4.61403E-06	0.00653761	0.001150742	0.008997826	0.020758189	4.61403E-06	17.34617996	1.7173E-05	0.000251657	0.000260621
2022 Dec	51.79298401	0.044411227	0.010651118	0.000923487	11.46257973	0.024849581	4.065912724	0.000923487	0.000923487	4.61744E-06	0.00654265	0.001151572	0.009004755	0.020772729	4.61744E-06	17.35856056	1.71851E-05	0.000251832	0.000260791
2023 Jan	51.79823685	0.044419337	0.010652196	0.000923536	11.463974	0.024851602	4.066418648	0.000923536	0.000923536	4.61768E-06	0.006543032	0.001151675	0.009005241	0.020775128	4.61768E-06	17.3605442	1.71859E-05	0.000251855	0.000260825
2023 Feb	51.80392838	0.044424403	0.010653741	0.000923571	11.46543121	0.024852248	4.066915512	0.000923571	0.000923571	4.61786E-06	0.00654323	0.001151784	0.009005462	0.020778032	4.61786E-06	17.36284065	1.71866E-05	0.000251882	0.000260874
2023 Mar	51.81285477	0.044432156	0.010655781	0.000923694	11.46751595	0.024855396	4.067644119	0.000923694	0.000923694	4.61847E-06	0.006544073	0.001151973	0.009006593	0.020781951	4.61847E-06	17.366045	1.71889E-05	0.000251926	0.00026093
2023 Apr	52.10586929	0.044683494	0.010716161	0.000928897	11.5324297	0.02499531	4.090663433	0.000928897	0.000928897	4.64448E-06	0.006580919	0.001158482	0.009057288	0.020899674	4.64448E-06	17.46437454	1.72858E-05	0.000253351	0.000262412
2023 May	53.59837723	0.045889825	0.011061475	0.000950047	11.87462425	0.025502048	4.209526062	0.000950047	0.000950047	4.75023E-06	0.006727058	0.001190149	0.009251763	0.021550393	4.75023E-06	17.99597359	1.77032E-05	0.000260721	0.000271707
2023 Jun	52.5400238	0.043242719	0.011046553	0.000922021	11.58134079	0.023955893	4.086126328	0.000922021	0.000922021	4.61011E-06	0.006528122	0.001162297	0.00892437	0.021235945	4.61011E-06	17.68595123	1.7556E-05	0.000257853	0.000271791
2023 Jul	51.33514786	0.040990885	0.010717506	0.000929297	11.20475388	0.024051936	3.956617355	0.000929297	0.000929297	4.64648E-06	0.006568409	0.001145542	0.008988651	0.020555744	4.64648E-06	17.13820457	1.76615E-05	0.000252272	0.000259125
2023 Aug	53.85483551	0.042776495	0.011193704	0.000982544	11.7624979	0.025718581	4.159431934	0.000982544	0.000982544	4.91272E-06	0.006904732	0.00120761	0.009492595	0.021549614	4.91272E-06	17.96668434	1.83944E-05	0.00026361	0.000269959
2023 Sep	54.2876358	0.043799274	0.011185769	0.000994925	11.88943291	0.026462223	4.208731651	0.000994925	0.000994925	4.97463E-06	0.00698158	0.001218423	0.009683502	0.021644788	4.97463E-06	18.08600426	1.83809E-05	0.000265029	0.000268938
2023 Oct	54.02761841	0.044737794	0.011038514	0.000991908	11.86035156	0.026688511	4.207409382	0.000991908	0.000991908	4.95954E-06	0.006984072	0.001212248	0.009686325	0.02148406	4.95954E-06	17.97769356	1.82627E-05	0.000262943	0.000265445
2023 Nov	54.32496262	0.045146789	0.01108666	0.000997511	11.92976952	0.026881227	4.233259678	0.000997511	0.000997511	4.98755E-06	0.007026908	0.001218836	0.009745413	0.021595083	4.98755E-06	18.07409096	1.8358E-05	0.000264277	0.000266626
2023 Dec	54.35904312	0.045187976	0.011092618	0.000998148	11.93758106	0.026901713	4.23612833	0.000998148	0.000998148	4.99074E-06	0.007031664	0.001219594	0.009751983	0.02160806	4.99074E-06	18.08522987	1.83691E-05	0.000264434	0.000266771
2024 Jan	54.36314011	0.045195948	0.011093888	0.000998169	11.93892288	0.026902765	4.236639023	0.000998153	0.000998153	4.99078E-06	0.007031748	0.001219659	0.009752241	0.021609891	4.99085E-06	18.08672523	1.8369E-05	0.00026445	0.0002668
2024 Feb	54.37048721	0.045202002	0.011097511	0.000998239	11.94134712	0.026902808	4.237552643	0.000998161	0.000998161	4.99087E-06	0.007031745	0.001219769	0.009752942	0.021612879	4.99121E-06	18.08903122	1.83693E-05	0.000264482	0.000266855
2024 Mar	54.46416092	0.045279555	0.011118773	0.000999937	11.96269035	0.026946681	4.245203018	0.000999787	0.000999787	4.99906E-06	0.007043174	0.001221823	0.009769643	0.021649707	4.99971E-06	18.1197319	1.83994E-05	0.000264934	0.000267321
2024 Apr	54.64501953	0.045429569	0.011157432	0.001003252	12.00302505	0.027034489	4.259585381	0.001003041	0.001003041	5.01539E-06	0.007066088	0.001225843	0.009802155	0.021721127	5.0163E-06	18.17943001	1.84594E-05	0.000265811	0.00026821
2024 May	62.48616791	0.050455824	0.017367734	0.001189648	15.26436901	0.027854873	5.625337124	0.001018997	0.001018997	5.24126E-06	0.00718391	0.001311439	0.012056766	0.022989055	5.98307E-06	19.12860107	1.90637E-05	0.000295581	0.000292962
2024 Jun	90.06835175	0.069204122	0.048536625	0.002006172	28.30624771	0.028230099	11.16962814	0.000965004	0.000965004	5.62619E-06	0.00685436	0.001520449	0.021167163	0.025221484	9.6554E-06	20.56063843	1.9572E-05	0.000389305	0.000357634
2024 Jul	100.5787888	0.077400215	0.057467066	0.002299188	32.1894455	0.030880783	12.76327229	0.001042933	0.001042933	6.16612E-06	0.00741289	0.00166633	0.024187317	0.027262609	1.09463E-05	22.19107056	2.12787E-05	0.000430536	0.000388726
2024 Aug	111.37323	0.088847615	0.071575053	0.002707261	36.5954361	0.033536002	14.54319572	0.001099936	0.001099936	6.62092E-06	0.007814964	0.001795356	0.027520819	0.028851183	1.22113E-05	23.4869442	2.24512E-05	0.000467238	0.00041396
2024 Sep	121.14991	0.106781423	0.097405978	0.003303427	41.72896194	0.035115018	16.66823578	0.001079113	0.001079113	6.75286E-06	0.007735511	0.001845594	0.031532098	0.028614802	1.3436E-05	23.322752	2.23007E-05	0.000488684	0.000416228
2024 Oct	127.1056519	0.115331784	0.108688645	0.003567284	44.59052658	0.036152277	17.88983536	0.001079044	0.001079044	6.89069E-06	0.007784315	0.001890133	0.03381234	0.028829375	1.42477E-05	23.48302078	2.24984E-05	0.000505856	0.000422416
2024 Nov	130.3476868	0.117647916	0.111366995	0.003653641	46.13381195	0.036635071	18.56360626	0.001079516	0.001079516	6.97398E-06	0.007809	0.001916343	0.035000112	0.028986627	1.4744E-05	23.58568764	2.26027E-05	0.000516635	0.000426519
2024 Dec	130.5466156	0.117807545	0.111535363	0.003659096	46.21605682	0.036677454	18.59826088	0.001080368	0.001080368	6.9819E-06	0.007815756	0.001918624	0.035062958	0.029013686	1.47703E-05	23.60720444	2.26235E-05	0.000517363	0.000426978
2025 Jan	130.6047821	0.117845461	0.111582495	0.003660547	46.2426796	0.036683828	18.60972404	0.001080378	0.001080378	6.98328E-06	0.007816016	0.001919141	0.035082348	0.029019024	1.47785E-05	23.61094666	2.26256E-05	0.000517566	0.000427101
2025 Feb	130.6582336	0.117883347	0.111625083	0.003661851	46.26442337	0.036691628	18.61878586	0.001080542	0.001080542	6.98504E-06	0.007817203	0.001919761	0.035097558	0.029028213	1.4785E-05	23.61797333	2.26302E-05	0.000517769	0.000427269
2025 Mar	130.7164917	0.117930301	0.111673176	0.003663378	46.28657913	0.036704071	18.62787247	0.001080873	0.001080873	6.98756E-06	0.007819598	0.001920527	0.035113662	0.029039703	1.47919E-05	23.62708092	2.26378E-05	0.000517994	0.000427455
2025 Apr	130.9304657	0.118120179	0.11185503	0.003669315	46.3632164	0.036761932	18.65881157	0.001082557	0.001082557	6.99866E-06	0.007831779	0.00192362	0.035171404	0.029086424	1.48162E-05	23.66495323	2.26735E-05	0.00051884	0.000428153

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 May	134.3766174	0.121227361	0.114798702	0.003765866	47.58400726	0.037728362	19.15017319	0.001111005	0.001111005	7.18269E-06	0.008037591	0.001974222	0.036097337	0.029851468	1.52063E-05	24.28732681	2.32695E-05	0.000532494	0.00043942
2025 Jun	167.8281403	0.152815223	0.169055894	0.0052384	64.65351868	0.040280916	26.04743767	0.001073762	0.001073762	7.81132E-06	0.007964496	0.002175304	0.048925243	0.029804127	1.97691E-05	24.04755211	2.45868E-05	0.000624322	0.00046522
2025 Jul	213.8143311	0.200051472	0.246831745	0.007431918	88.38591766	0.04482713	35.12108612	0.001043564	0.001043564	8.67683E-06	0.007959903	0.002459327	0.065833487	0.030048532	2.53942E-05	24.09128571	2.63951E-05	0.000737388	0.000501496
2025 Aug	239.8744354	0.327011973	0.426781476	0.011439487	105.4850311	0.060036983	38.43115616	0.001072086	0.001072086	8.79221E-06	0.00783962	0.002522127	0.076658808	0.027607089	2.40541E-05	23.69433975	2.28231E-05	0.000680712	0.000442558
2025 Sep	432.0761719	0.863694668	1.225439787	0.03210197	211.9945831	0.077616408	59.79544449	0.001297552	0.001032937	1.02748E-05	0.008468862	0.003675933	0.113060176	0.028756466	2.73068E-05	28.78577423	2.86812E-05	0.000778592	0.000510292
2025 Oct	479.1882935	0.956341803	1.360637903	0.036413386	237.3537445	0.076184154	64.19982147	0.001386586	0.001001478	1.07311E-05	0.008480892	0.00405376	0.11562337	0.029884346	2.9454E-05	30.29373169	2.94663E-05	0.000837969	0.000537261
2025 Nov	447.4608154	0.852983832	1.201529145	0.032326199	219.1099548	0.072896019	61.43148804	0.001323524	0.000990863	1.0538E-05	0.008375312	0.003874871	0.110562913	0.03021132	2.99546E-05	29.6073246	2.85931E-05	0.00084564	0.000538833
2025 Dec	447.9081116	0.8533113	1.20185113	0.032337129	219.302948	0.072986782	61.51581192	0.001324854	0.000992213	1.05542E-05	0.008387256	0.003879545	0.110714361	0.030260211	3.0019E-05	29.64462471	2.86294E-05	0.000847262	0.000539706
2026 Jan	430.8470459	0.837123215	1.173948884	0.031286817	210.1850281	0.072500966	59.16231155	0.001310064	0.000994493	1.03069E-05	0.008444054	0.003756151	0.107266888	0.029689277	2.87891E-05	29.10163689	2.82265E-05	0.000815915	0.000521907
2026 Feb	429.0606995	0.835311174	1.170831203	0.031171432	209.2191467	0.072447009	58.91878891	0.001308506	0.000994809	1.02818E-05	0.008450177	0.003743631	0.106907703	0.029645639	2.86652E-05	29.05561256	2.81865E-05	0.000812857	0.00052034
2026 Mar	429.9211121	0.836897254	1.173036456	0.031230319	209.6323547	0.07258901	59.03890228	0.001311101	0.000996828	1.03028E-05	0.008467011	0.003751369	0.10712292	0.029714484	2.8726E-05	29.1199913	2.82439E-05	0.000814629	0.000521561
2026 Apr	433.854187	0.84450537	1.18369019	0.031514052	211.5465546	0.073251329	59.5799942	0.001323085	0.001005964	1.03973E-05	0.008544432	0.00378582	0.108103156	0.02999169	2.89905E-05	29.38993073	2.85029E-05	0.000822159	0.000526433
2026 May	447.5571594	0.866481185	1.213636041	0.032303672	217.7857513	0.07553827	61.59416962	0.001368238	0.001044707	1.07794E-05	0.008855029	0.003920731	0.11171452	0.031468868	3.01436E-05	30.6631794	2.95959E-05	0.000857098	0.000552606
2026 Jun	299.4527893	0.517680287	0.713091791	0.018493671	138.0674133	0.054784961	43.32063293	0.001075603	0.000959664	8.36951E-06	0.007989311	0.002886647	0.08183074	0.029630791	2.21956E-05	26.43825912	2.84059E-05	0.000707788	0.000506365
2026 Jul	282.091156	0.574199498	0.80351603	0.019168405	128.7066956	0.058576878	40.73661423	0.001098393	0.001020314	8.08539E-06	0.008585502	0.002726787	0.082325123	0.027938757	1.89144E-05	25.46987152	3.02594E-05	0.00063329	0.000463543
2026 Aug	312.5281982	0.732650101	1.041857123	0.023565674	146.1317749	0.070959695	45.48907471	0.001099473	0.001045944	8.1556E-06	0.008937624	0.002850831	0.096977994	0.027037285	1.76795E-05	25.6570797	3.16211E-05	0.000602301	0.000449738
2026 Sep	332.3742065	0.860225439	1.228487492	0.026845984	156.7828827	0.078603014	48.48287582	0.001091527	0.001047877	8.12778E-06	0.009270925	0.00292286	0.106635012	0.026600711	1.66936E-05	26.09918785	3.29403E-05	0.000585499	0.000444669
2026 Oct	321.9161987	0.929621935	1.321523905	0.02781505	152.3388977	0.081366889	47.19540405	0.001001418	0.000974543	7.44549E-06	0.009120275	0.002748275	0.107431091	0.024239738	1.42251E-05	24.66774368	3.17815E-05	0.000519283	0.000400891
2026 Nov	322.7961731	0.935737967	1.329926372	0.027948702	152.6238708	0.081900485	47.3314743	0.001008567	0.000981768	7.48755E-06	0.009185947	0.002759054	0.107863784	0.024360714	1.42698E-05	24.79740524	3.19225E-05	0.000520604	0.000402217
2026 Dec	323.0148621	0.936282218	1.330645084	0.027964419	152.7227173	0.081962913	47.36436844	0.00100948	0.000982666	7.49416E-06	0.009194057	0.00276118	0.107935332	0.024382144	1.42839E-05	24.8177681	3.19462E-05	0.000521062	0.000402533
2027 Jan	323.0117493	0.936217308	1.330523491	0.027962102	152.7172852	0.081963018	47.36361313	0.001009586	0.000982775	7.49474E-06	0.009194714	0.002761359	0.107930668	0.024388243	1.42853E-05	24.82221031	3.19469E-05	0.000521131	0.000402622
2027 Feb	323.0130005	0.936177611	1.330452681	0.027960682	152.7145538	0.08196082	47.36320496	0.001009633	0.000982824	7.49496E-06	0.009194816	0.002761533	0.107926928	0.024394671	1.42858E-05	24.82692909	3.19474E-05	0.000521192	0.000402732
2027 Mar	323.4820862	0.93751353	1.332343221	0.028000453	152.9345093	0.082078464	47.43166733	0.001011123	0.000984276	7.50595E-06	0.009208206	0.002765632	0.108081393	0.024433557	1.43068E-05	24.86550713	3.19939E-05	0.000521981	0.000403376
2027 Apr	327.1917419	0.948251188	1.347598433	0.02832108	154.6872864	0.083018936	47.97542572	0.001022732	0.000995577	7.59209E-06	0.009313827	0.002797399	0.109319553	0.024715751	1.4471E-05	25.15211678	3.23609E-05	0.000527986	0.000408036
2027 May	338.7437439	0.983293772	1.397343993	0.029331321	159.9568329	0.085998774	49.65698624	0.00106225	0.0010343	7.87698E-06	0.009665133	0.002902146	0.11318019	0.025794284	1.49945E-05	26.20171165	3.35745E-05	0.000548235	0.000425907
2027 Jun	253.3875122	0.698046029	0.995351493	0.021054449	116.8437119	0.064847767	37.01589203	0.000967185	0.000955129	6.79196E-06	0.008620186	0.002288649	0.085349888	0.021074064	1.24222E-05	20.8801899	3.02781E-05	0.00045958	0.000336625
2027 Jul	258.2891235	0.722434282	1.038403511	0.022008054	120.8172379	0.066015251	36.59114456	0.00100859	0.001001539	6.88733E-06	0.009085187	0.002259453	0.087451346	0.020012822	1.15096E-05	20.30330467	3.25639E-05	0.00043792	0.000318945
2027 Aug	319.7041931	0.92797482	1.340051889	0.028305503	153.5327759	0.080550529	45.26438522	0.001069009	0.001062592	7.53085E-06	0.009946884	0.002618433	0.109017678	0.021520428	1.22812E-05	22.79520798	3.65221E-05	0.000476938	0.000355915
2027 Sep	354.6027527	1.189070344	1.728059292	0.034808662	171.0602417	0.093165115	51.09114838	0.001004546	0.001000525	7.35211E-06	0.00997714	0.002746809	0.12681897	0.020835577	1.12204E-05	23.60601234	3.69448E-05	0.000453114	0.00035878
2027 Oct	319.858551	1.139258623	1.646628976	0.032456763	151.5846405	0.089485697	46.3311615	0.000983266	0.000980524	6.98685E-06	0.009736662	0.002547888	0.116654783	0.020070424	1.01164E-05	22.68073273	3.43414E-05	0.000409839	0.000331951
2027 Nov	313.6131897	1.120036364	1.614998817	0.031788599	148.0963898	0.088789187	45.43286896	0.00098847	0.00098583	6.97865E-06	0.009747509	0.002520614	0.114452623	0.020115048	1.00998E-05	22.61988449	3.39247E-05	0.000406597	0.00032876
2027 Dec	313.5560303	1.119851947	1.614544392	0.031778708	148.0481262	0.088815816	45.42519379	0.000989327	0.000986689	6.983E-06	0.009754322	0.002521143	0.114431553	0.020130567	1.01073E-05	22.63204193	3.39287E-05	0.000406766	0.000328842
2028 Jan	313.4946289	1.119509697	1.613999844	0.031768408	148.0124664	0.088798814	45.41576385	0.000989334	0.000986697	6.98277E-06	0.009753598	0.002521025	0.11440143	0.020137962	1.01083E-05	22.63586807	3.39235E-05	0.000406824	0.000328944
2028 Feb	313.5393372	1.119570494	1.614061832	0.031769771	148.0278473	0.08880607	45.42129517	0.000989548	0.000986911	6.98414E-06	0.009755008	0.002521683	0.114409484	0.020152152	1.0111E-05	22.64722633	3.39285E-05	0.000406995	0.000329185
2028 Mar	313.6636353	1.119960904	1.61461091	0.031780656	148.0834503	0.088838354	45.43878937	0.00098998	0.000987342	6.98711E-06	0.009758886	0.002522845	0.114450388	0.020166261	1.01157E-05	22.66059875	3.39421E-05	0.000407218	0.00032942
2028 Apr	315.7337036	1.127322316	1.625215888	0.03198944	149.059021	0.089423016	45.73838425	0.000996536	0.00099388	7.03334E-06	0.009823298	0.002539585	0.115203209	0.020302773	1.01828E-05	22.81260872	3.41662E-05	0.000409939	0.000331652
2028 May	325.0377197	1.160528064	1.673090458	0.032931395	153.4498444	0.092054561	47.08647919	0.001025861	0.001023128	7.24028E-06	0.010112347	0.002614357	0.118594706	0.020902202	1.04827E-05	23.48581314	3.51721E-05	0.000422021	0.000341453
2028 Jun	252.4325867	0.739830732	1.056771994	0.022065859	117.9347153	0.067722492	36.63048172	0.000960012	0.000958759	6.60573E-06	0.008917888	0.002167927	0.087810136	0.018423228	1.09302E-05	19.33450127	3.11577E-05	0.000411872	0.000288616
2028 Jul	247.2878418	0.652572632	0.930180848	0.020215267	116.6063156	0.063924484	35.01005554	0.001001695	0.001000979	6.76843E-06	0.009112388	0.002124165	0.083492838	0.018204814	1.13011E-05	18.7881279	3.21891E-05	0.000420566	0.000281767
2028 Aug	277.5794678	0.726627171	1.035464048	0.022584524	131.0139465	0.072119482	39.22188187	0.001133439	0.001132736	7.63804E-06	0.010221213	0.002386835	0.093471803	0.020479925	1.27184E-05	21.13035393	3.58735E-05	0.000470898	0.000315224
2028 Sep	255.46315	0.669170439	0.934394419	0.020562684	120.0971451	0.070147663	35.80222702	0.001110026	0.001110026	7.16822E-06	0.009966225	0.002211062	0.084322363	0.019715991	1.10065E-05	20.57945251	3.31565E-05	0.000421435	0.000285755
2028 Oct	237.5561371	0.712655902	0.968421698	0.020157142	109.7775192	0.071583636	34.42216492	0.000978976	0.000978832	6.30466E-06	0.009339865	0.002013316	0.079585768	0.018774372	9.49203E-06	20.16127586	2.85109E-05	0.000364761	0.000261013
2028 Nov	222.0829315	0.674965441	0.906392515	0.018782591	101.28862	0.070022501	32.05240631	0.000989218	0.00098909	6.25747E-06	0.009346001	0.001949138	0.074507408	0.018815283	9.22567E-06	19.96475029	2.75196E-05	0.000352559	0.000252594
2028 Dec	222.2394562	0.675350964	0.906841099	0.018792577	101.3549728	0.070080295	32.07539368	0.000990192	0.000990064	6.2636E-06	0.009354744	0.00195084	0.074557543	0.018834665	9.23654E-06	19.98333168	2.75412E-05	0.00035292	0.000252827
2029 Jan	222.2156372	0.675201535	0.906603694	0.018787971	101.3394165	0.070071854	32.07155228	0.000990195	0.000990068	6.26362E-06	0.00935426	0.001950901	0.074544564	0.018840885	9.23756E-06	19.98708153	2.75389E-05	0.00035298	0.000252929
2029 Feb	222.2112732	0.67512536	0.906483531	0.018785581	101.333374	0.070065305	32.07019043	0.000990196	0.000990069	6.26362E-06	0.009353781	0.001951078	0.074537411	0.018848857	9.23808E-06	19.99259949	2.7538E-05	0.000353054	0.000253074
2029 Mar	222.317276	0.675413132	0.906860113	0.018793438	101.379509	0.070095904	32.08509064	0.00099068	0.000990553	6.26668E-06	0.009358083	0.001952126	0.074569874	0.018862402	9.24288E-06	20.00535965	2.7551E-05	0.000353267	0.000253277
2029 Apr	222.9593201	0.677344024	0.909447134	0.018847084	101.6710205	0.070296727	32.17752457	0.000993548	0.00099342	6.28481E-06	0.009385017	0.00195783	0.074783459	0.018919472	9.26979E-06	20.06497383	2.76305E-05	0.000354312	0.000254055
2029 May	227.4948425	0.69127363	0.928363562	0.019222148	103.6609344	0.071638621	32.8332634	0.001013312	0.001013182	6.40773E-06	0.009567301	0.001997694	0.07623519	0.019377336	9.45138E-06	20.53074265	2.81857E-05	0.000361864	0.000260738
2029 Jun	270.9256592	0.878916025	1.244159818	0.024284154	121.930603	0.076028362	41.21804047	0.000984215	0.000984137	6.62812E-06	0.009583092	0.002152992	0.094018519	0.019929178	1.0967E-05	21.88840103	3.1998E-05	0.000403956	0.000311332
2029 Jul	208.5160217	0.498640418	0.703144789	0.015619391	95.84365082	0.054541275	30.72487259	0.000922283	0.000922264	6.03316E-06	0.008215989	0.001803477	0.068854682	0.016315671	1.02303E-05	16.85659409	2.84653E-05	0.000369442	0.000246223
2029 Aug	210.1463013	0.506356001	0.720822155	0.01611577	97.70269012	0.057838589	30.11664963	0.000978064	0.000978054	6.12077E-06	0.008283915	0.001813179	0.068954676	0.01610595	9.14008E-06	16.91236687	2.79134E-05	0.000337497	0.000232676
2029 Sep	233.2163696	0.626348674	0.890196621	0.018987078	108.1127701	0.066115856	34.27919769	0.000986506	0.000986501	6.17484E-06	0.008601805	0.001908567	0.077924982	0.016697139	8.81124E-06	18.41874123	2.84568E-05	0.000334761	0.000242731
2029 Oct	204.516098	0.577574551	0.799417317	0.016705677	92.11717987	0.063841455	30.03679466	0.000981123	0.000981119	5.97086E-06	0.008584294	0.001776945	0.068832278	0.016794039	8.21267E-06	18.16164398	2.62207E-05	0.000309762	0.000227209
2029 Nov	196.962738	0.558996201	0.766213	0.015973896	87.93030548	0.063210592	28.87608147	0.000985764	0.00098576	5.95162E-06	0.008612159	0.001748108	0.066175357	0.016926449	8.14633E-06	18.1517334	2.56668E-05	0.000305738	0.000223868
2029 Dec	197.1324921	0.559497178	0.766885161	0.015986374	88.00270844	0.063260257	28.90295029	0.000986442	0.000986438	5.95589E-06	0.008618589	0.001749345	0.06622605	0.016940294	8.15448E-06	18.16710854	2.56844E-05	0.000305994	0.000224058
2030 Jan	197.1193542	0.559390843	0.766701818	0.015982859	87.99255371	0.063254863	28.9005394	0.000986463	0.000986459	5.95609E-06	0.00861846	0.001749493	0.066216663	0.016947294	8.15595E-06	18.17165375	2.56829E-05	0.000306073	0.000224172
2030 Feb	197.1856384	0.559521854	0.766862988	0.015986318	88.01838684	0.063270822	28.9094677	0.000986799	0.000986796	5.95816E-06	0.008621017	0.001750292	0.06623327	0.01696125	8.1594E-06	18.18357086	2.56911E-05	0.000306258	0.000224397
2030 Mar	197.3943634	0.560083032	0.767622113	0.016002197	88.1095047	0.063334905	28.93963814	0.000987847	0.000987843	5.96451E-06	0.008629958	0.00175226	0.066300295	0.016983705	8.16843E-06	18.20598412	2.57181E-05	0.000306626	0.000224715
2030 Apr	198.2575073	0.562514305	0.77094847	0.016071571	88.49360657	0.063610196	29.06593704	0.000992168	0.000992164	5.99061E-06	0.008667587	0.001759988	0.066588439	0.017060548	8.20437E-06	18.28740501	2.58304E-05	0.000307993	0.000225744
2030 May	204.8690033	0.581185043	0.796545506	0.01660452	91.44226074	0.065715037	30.03585052	0.001025029	0.001025025	6.18908E-06	0.008954498	0.001818458	0.068795405	0.017631121	8.47699E-06	18.89851379	2.66873E-05	0.000318257	0.000233333
2030 Jun	233.8209534	0.584370852	0.928524613	0.020963259	104.4633713	0.062889993	35.21162796	0.000967388	0.000967387	6.19843E-06	0.008539937	0.001959841	0.073658191	0.01929662	9.80749E-06	20.24925232	2.94694E-05	0.000417288	0.00028486
2030 Jul	245.2070465	0.555935919	0.961774826	0.023159027	112.6549606	0.061904233	36.3141861	0.000935855	0.000935854	6.02239E-06	0.008205954	0.001940399	0.07380943	0.017708214	9.05177E-06	19.16022491	3.00594E-05	0.000419317	0.000261695
2030 Aug	307.7550659	0.729183018	1.24055922	0.028547853	142.5324097	0.07499817	46.87970734	0.000993365	0.000993364	6.46137E-06	0.00872928	0.002195434	0.091096312	0.018612463	9.37416E-06	21.79694557	3.2708E-05	0.000433924	0.000284903
2030 Sep	341.9888306	0.814904571	1.368348002	0.031132763	158.7928467	0.082479946	52.53055191	0.001043397	0.001043396	6.79023E-06	0.00928029	0.002360403	0.100353099	0.019622788	9.68612E-06	23.68719864	3.47567E-05	0.000454582	0.000301623
2030 Oct	304.4696655	0.736681879	1.203137398	0.027265212	139.8922272	0.078494437	46.84079361	0.001013163	0.001013163	6.4477E-06	0.009054691	0.002185311	0.089851126	0.019022316	8.97223E-06	22.58483505	3.15359E-05	0.000413947	0.00027607
2030 Nov	277.7006836	0.678415775	1.088247418	0.024563324	126.2241745	0.075047202	42.60945129	0.00100882	0.00100882	6.31722E-06	0.008948117	0.002076445	0.082486086	0.018772144	8.70387E-06	21.80932045	2.97624E-05	0.000391422	0.000262458
2030 Dec	277.7714233	0.678532183	1.088351369	0.024566077	126.2518463	0.075074673	42.62037659	0.001009339	0.001009339	6.32049E-06	0.008952607	0.002077288	0.082505636	0.018782848	8.71043E-06	21.81921387	2.97722E-05	0.000391624	0.000262579
2031 Jan	277.7428284	0.67841208	1.088114858	0.024560992	126.2345734	0.075067654	42.61529922	0.001009365	0.001009365	6.32067E-06	0.008952512	0.002077371	0.082493931	0.018789144	8.71179E-06	21.82281113	2.97703E-05	0.000391681	0.000262679
2031 Feb	277.73349	0.678346455	1.087987304	0.024558188	126.2266159	0.075061508	42.612957	0.001009372	0.001009371	6.32072E-06	0.008952193	0.002077534	0.08248692	0.018796669	8.71243E-06	21.82782936	2.97694E-05	0.000391748	0.000262814
2031 Mar	277.8768616	0.678673148	1.088499308	0.024569785	126.2897568	0.075098276	42.63445282	0.001009915	0.001009914	6.32412E-06	0.008956803	0.002078734	0.082527176	0.018810818	8.71743E-06	21.84223366	2.97849E-05	0.000391994	0.000263028
2031 Apr	280.4629822	0.68497169	1.098593354	0.024797507	127.4640121	0.075794496	43.03108215	0.001019297	0.001019296	6.38288E-06	0.009039916	0.002098103	0.083292603	0.018987909	8.79861E-06	22.046978	3.00615E-05	0.000395656	0.000265514
2031 May	279.7644653	0.677643597	1.078493476	0.024281893	125.9138107	0.075654402	42.71108246	0.001053113	0.001053113	6.55455E-06	0.009239424	0.002158139	0.082477719	0.020833755	9.06061E-06	23.39969254	3.05614E-05	0.00041288	0.000294847
2031 Jun	312.9396362	0.672202647	1.189214826	0.028211379	139.0231476	0.071285047	47.78060532	0.000976326	0.000976326	6.40005E-06	0.008483039	0.00240751	0.084033534	0.027941095	1.01478E-05	28.93710899	3.21275E-05	0.000549104	0.000443991
2031 Jul	346.5256958	0.757082999	1.340650797	0.031714406	154.9148102	0.078776389	52.83393478	0.00104602	0.00104602	6.8975E-06	0.009188268	0.00264101	0.095074333	0.030200468	1.06832E-05	31.46094894	3.56598E-05	0.000594368	0.000487494
2031 Aug	447.0723267	1.000214934	1.740839481	0.039936379	205.2104645	0.097219512	70.68935394	0.001025168	0.001025167	7.10645E-06	0.00941254	0.002930898	0.123080097	0.028936664	1.10896E-05	33.66443253	3.86086E-05	0.000606437	0.000489833
2031 Sep	641.8882446	1.606390595	2.669804811	0.055551346	296.5787659	0.128359362	106.2833252	0.000898753	0.000898753	6.77625E-06	0.009916581	0.003180536	0.174030825	0.024798509	1.0605E-05	37.98453903	4.45651E-05	0.000572617	0.000475763
2031 Oct	604.4919434	1.645512104	2.622087717	0.051501263	274.9444275	0.125994563	101.7353745	0.000854933	0.000854933	6.27306E-06	0.010114313	0.002845048	0.167019412	0.021406796	9.37506E-06	35.50485992	4.23456E-05	0.0046383	0.00040949
2031 Nov	572.4403687	1.567020416	2.483007193	0.048682343	259.4191895	0.122058302	96.32820129	0.000867081	0.000867081	6.25395E-06	0.010077207	0.002761047	0.159332812	0.021248797	9.22184E-06	34.45719147	4.09659E-05	0.000449013	0.000396137
2031 Dec	572.510376	1.56712234	2.48307538	0.048684344	259.4458618	0.122086279	96.33904266	0.000867629	0.000867629	6.25741E-06	0.010081937	0.002761917	0.159351274	0.021260181	9.22891E-06	34.46759033	4.09758E-05	0.000449224	0.000396263
2032 Jan	572.4125366	1.566783905	2.482489347	0.048673194	259.396698	0.122068495	96.32116699	0.000867718	0.000867718	6.25777E-06	0.010081763	0.002761894	0.159320965	0.021267248	9.23052E-06	34.46917343	4.09715E-05	0.000449285	0.000396351
2032 Feb	572.3583374	1.5665766	2.482136011	0.048666388	259.3678284	0.122054458	96.31051636	0.000867747	0.000867747	6.25784E-06	0.010081233	0.002761984	0.15930149	0.021275653	9.23119E-06	34.47315979	4.09689E-05	0.000449354	0.000396488
2032 Mar	572.7166748	1.567525744	2.483626127	0.048695672	259.5279236	0.122129537	96.37000275	0.000868351	0.000868351	6.26211E-06	0.010087776	0.002763903	0.159398854	0.021294618	9.2378E-06	34.49867249	4.09953E-05	0.000449696	0.000396831

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Apr	575.9223633	1.576282024	2.497492075	0.048967574	260.9793091	0.122812405	96.90896606	0.000873245	0.000873245	6.29736E-06	0.010144371	0.00277948	0.16028975	0.021416968	9.28998E-06	34.69396973	4.12251E-05	0.000452247	0.000399105
2032 May	591.8528442	1.618017673	2.56323123	0.050253272	268.1545715	0.126090184	99.57567596	0.000898545	0.000898545	6.47602E-06	0.010426682	0.00285758	0.164540097	0.022078877	9.5572E-06	35.70531845	4.23647E-05	0.00046533	0.000411168
2032 Jun	622.5518188	1.585979223	2.63801384	0.05306318	283.1594849	0.116442434	104.0696487	0.000864264	0.000864264	6.26924E-06	0.009837369	0.002792402	0.161301345	0.021199908	1.05698E-05	35.21780396	4.48535E-05	0.000526101	0.000420109
2032 Jul	501.4463806	1.19737494	2.049788475	0.043225307	229.8040009	0.09559688	83.59169769	0.000810387	0.000810387	5.67723E-06	0.008679503	0.002394226	0.131952912	0.01709581	8.91051E-06	28.07623863	3.96297E-05	0.00045971	0.000329979
2032 Aug	555.3736572	1.24756813	2.095145464	0.043506559	254.8517914	0.102627635	93.63833618	0.000843021	0.000843021	5.8377E-06	0.008804493	0.002514399	0.140517056	0.016574761	8.26082E-06	30.11981201	4.03241E-05	0.000424514	0.000324324
2032 Sep	557.8651123	1.196494937	1.973686218	0.040596623	255.2746887	0.101590723	94.40203857	0.000861923	0.000861923	5.80027E-06	0.008700026	0.002480915	0.13553077	0.016543137	7.84507E-06	30.71199799	3.84684E-05	0.000399041	0.000311319
2032 Oct	513.7133179	1.0935614111	1.785681605	0.036793992	234.1697388	0.096167572	86.67004395	0.000874885	0.000874885	5.7296E-06	0.008642417	0.002361077	0.12440715	0.016614871	7.5875E-06	29.44788742	3.63456E-05	0.000380486	0.000296444
2032 Nov	496.3418579	1.056482315	1.716656446	0.035338458	225.6700745	0.094337113	83.68399048	0.000882379	0.000882379	5.73168E-06	0.008642607	0.00231943	0.120341755	0.016690465	7.57579E-06	28.98775864	3.55201E-05	0.000374211	0.000291199
2032 Dec	473.7423401	1.009560108	1.631517887	0.033553783	214.7654877	0.091682531	79.82270813	0.00088269	0.00088269	5.68808E-06	0.008573391	0.002257636	0.115214169	0.016633283	7.50578E-06	28.25146484	3.43882E-05	0.000364838	0.000283573
2033 Jan	472.5810242	1.008613348	1.629315734	0.033496052	214.1694183	0.091682389	79.64316559	0.000883359	0.000883359	5.69198E-06	0.008577493	0.002257025	0.115145624	0.016649835	7.50411E-06	28.23207092	3.43581E-05	0.00036447	0.000283644
2033 Feb	470.6135864	1.00683248	1.625280976	0.03339424	213.1627045	0.091676347	79.33350372	0.000884738	0.000884738	5.69865E-06	0.008586287	0.002255766	0.11499574	0.016678821	7.49836E-06	28.20082855	3.43076E-05	0.000363809	0.000283684
2033 Mar	465.7329712	0.996321082	1.605760694	0.033006091	210.7944946	0.091218583	78.45591736	0.000888774	0.000888774	5.7036E-06	0.008605648	0.002245702	0.113779552	0.016756194	7.48244E-06	28.11343956	3.41146E-05	0.000362619	0.000282682
2033 Apr	471.5895691	1.00883162	1.625912547	0.033420362	213.4433899	0.092364796	79.44184875	0.000899994	0.000899994	5.7756E-06	0.008714036	0.002274097	0.115208901	0.016971495	7.57724E-06	28.47014046	3.45442E-05	0.000367229	0.000286314
2033 May	419.5617371	0.880062103	1.399132848	0.028742528	186.2967834	0.083256133	69.7617569	0.000938593	0.000938593	5.92633E-06	0.008614151	0.002291418	0.102354683	0.021714628	8.0972E-06	30.01271629	3.32797E-05	0.000403111	0.00036056
2033 Jun	470.5521545	0.985441744	1.660084248	0.035040997	208.3620453	0.08241915	78.18070984	0.000859082	0.000859082	5.61226E-06	0.008132542	0.002506568	0.108955458	0.027442405	8.55336E-06	35.35203552	3.60957E-05	0.000510175	0.000491821
2033 Jul	537.3773193	1.145745397	1.934832335	0.041052889	240.8968506	0.094172016	89.93021393	0.000876254	0.000876254	5.8266E-06	0.008754578	0.002748217	0.128509507	0.028058412	8.50795E-06	37.97623444	4.07794E-05	0.000540709	0.000521767
2033 Aug	619.6759033	1.334339619	2.23820281	0.047250185	279.0845337	0.109796412	104.6636963	0.000947979	0.000947979	6.41325E-06	0.009717677	0.003110325	0.151573732	0.030124631	9.26055E-06	42.24765015	4.59992E-05	0.000589296	0.000571857
2033 Sep	650.6049194	1.464296699	2.37489295	0.049098641	295.5121765	0.12104129	113.1933899	0.000861104	0.000861104	5.98877E-06	0.009766079	0.0029922	0.165132329	0.02435231	8.58856E-06	40.01908112	4.49051E-05	0.000508161	0.00048083
2033 Oct	384.897644	0.911681056	1.385639668	0.028090796	169.7080078	0.087889396	66.61624908	0.000846886	0.000846886	5.32602E-06	0.008838992	0.002087266	0.101955988	0.019219242	7.27319E-06	27.94622421	3.09901E-05	0.000348315	0.000308497
2033 Nov	307.9389648	0.747354507	1.096112013	0.022203358	132.8776093	0.079902045	53.05454254	0.000879941	0.000879941	5.35037E-06	0.008818745	0.001905032	0.085180797	0.018862572	7.02674E-06	25.25831795	2.77923E-05	0.00031797	0.000275192
2033 Dec	308.0998535	0.74768424	1.096519351	0.022212222	132.943634	0.079953671	53.08114243	0.000880736	0.000880736	5.35531E-06	0.008825993	0.001906453	0.085225023	0.018879263	7.03558E-06	25.27602959	2.78103E-05	0.00031827	0.000275398
2034 Jan	308.0726624	0.747565448	1.096303821	0.022208173	132.9281921	0.079947822	53.07497787	0.000880828	0.000880828	5.35593E-06	0.008826241	0.001906652	0.085214838	0.018886637	7.03767E-06	25.27991676	2.78097E-05	0.00031836	0.000275511
2034 Feb	308.0808411	0.747540236	1.096246243	0.022207115	132.928421	0.079946399	53.07488632	0.000880917	0.000880917	5.3565E-06	0.008826558	0.001906987	0.085213132	0.018896036	7.03908E-06	25.28664589	2.78111E-05	0.000318464	0.000275673
2034 Mar	308.3073425	0.748065114	1.09700489	0.022222539	133.0243225	0.080003232	53.11308289	0.0008816	0.0008816	5.36067E-06	0.008833094	0.001908545	0.085273609	0.018914783	7.04493E-06	25.30854034	2.78319E-05	0.000318751	0.00027596
2034 Apr	311.5041809	0.755807698	1.108352542	0.022452446	134.4026184	0.080831669	53.66334152	0.000890762	0.000890762	5.41639E-06	0.00892471	0.001928424	0.086156569	0.019113706	7.11836E-06	25.57286835	2.81207E-05	0.000322086	0.00027887
2034 May	309.3832703	0.737264752	1.074537277	0.021815255	132.4020691	0.080050737	52.84731293	0.000932068	0.000932068	5.64757E-06	0.009126537	0.002003891	0.084740847	0.021276129	7.57655E-06	26.97720528	2.87048E-05	0.000347734	0.000313114
2034 Jun	474.9998779	1.001882076	1.674183249	0.035868395	209.2112885	0.086815998	80.61453247	0.000879777	0.000879777	5.71742E-06	0.008686659	0.002551738	0.110029101	0.028350586	8.98048E-06	36.64443207	3.67093E-05	0.000528424	0.000497104
2034 Jul	582.3485718	1.228630185	2.058369398	0.043517377	260.0479736	0.102560505	100.720871	0.0008728	0.0008728	5.86892E-06	0.009178703	0.002839892	0.138557896	0.027348761	8.66441E-06	39.72428131	4.2591E-05	0.000539644	0.00051403
2034 Aug	660.6750488	1.409351468	2.345442295	0.04927507	295.632782	0.119116008	115.3826523	0.000949249	0.000949249	6.50798E-06	0.010199052	0.003208545	0.162993088	0.02927706	9.33045E-06	43.95858383	4.79612E-05	0.000581778	0.000563029
2034 Sep	791.8927612	1.675231099	2.703471422	0.054811884	357.789917	0.135511592	140.9057159	0.00085384	0.00085384	6.09116E-06	0.010423183	0.003272478	0.188262627	0.024516733	8.69816E-06	45.95915222	5.04645E-05	0.000520468	0.000507761
2034 Oct	620.1040039	1.346436858	2.093607903	0.041538954	277.4294128	0.115355939	110.6742172	0.000822136	0.000822136	5.54201E-06	0.009772846	0.002643099	0.149246126	0.020053919	7.66515E-06	37.3300705	4.09786E-05	0.000399398	0.000378598
2034 Nov	567.531311	1.240794063	1.911988258	0.037914641	252.5676422	0.109939247	101.245491	0.000840743	0.000840743	5.55832E-06	0.009709877	0.002526775	0.138620183	0.01991014	7.56905E-06	35.45506287	3.88783E-05	0.000383355	0.000360298
2034 Dec	567.878479	1.241490602	1.912985086	0.037934788	252.7187805	0.110015623	101.3057861	0.000841603	0.000841603	5.56386E-06	0.009718482	0.002528724	0.138702706	0.019929167	7.57864E-06	35.4813118	3.89054E-05	0.000383716	0.000360577
2035 Jan	567.8305664	1.241318583	1.912679076	0.03792876	252.6942749	0.110004969	101.295311	0.000841684	0.000841684	5.56432E-06	0.009718474	0.002528799	0.138684615	0.019935535	7.5804E-06	35.48374176	3.8903E-05	0.000383783	0.000360665
2035 Feb	567.8638306	1.241352081	1.912710309	0.037929464	252.705719	0.11000935	101.299675	0.000841824	0.000841824	5.5652E-06	0.009719366	0.002529244	0.138689384	0.019945469	7.58218E-06	35.49182129	3.89063E-05	0.000383901	0.000360834
2035 Mar	568.1395874	1.241935492	1.913598299	0.037947126	252.8265686	0.110061906	101.3480301	0.000842285	0.000842285	5.56823E-06	0.00972429	0.00253064	0.138755187	0.019959997	7.58661E-06	35.51237869	3.89259E-05	0.00038414	0.000361091
2035 Apr	573.206543	1.253000736	1.930641174	0.038285125	255.0803375	0.111042999	102.2514191	0.000849827	0.000849827	5.61807E-06	0.009811133	0.002553306	0.13999179	0.020140793	7.6547E-06	35.8310051	3.92734E-05	0.000387597	0.000364358
2035 May	586.0164185	1.277389765	1.965332985	0.038988281	260.3548279	0.113754831	104.3712921	0.000890465	0.000890465	5.86326E-06	0.0101694	0.002646237	0.142963767	0.021440929	8.01936E-06	37.23174286	4.04957E-05	0.000406427	0.000385056
2035 Jun	532.6412354	1.059383154	1.764743447	0.037281141	236.1437683	0.09085314	93.05193329	0.000846925	0.000846925	5.63524E-06	0.00874893	0.002528902	0.119883083	0.023939228	8.99111E-06	35.8891716	3.88436E-05	0.000493791	0.000436545
2035 Jul	494.5846252	0.960485041	1.632521749	0.035551604	219.277359	0.08761929	86.77049255	0.000875312	0.000875312	5.7158E-06	0.008849907	0.002484969	0.116352476	0.022687132	8.42963E-06	33.61375046	3.95402E-05	0.000487157	0.000409857
2035 Aug	584.8845825	1.044664383	1.759407878	0.038358685	261.6323547	0.09927202	104.4546585	0.000898497	0.000898497	5.93707E-06	0.009114818	0.002717167	0.132563174	0.02204594	8.37297E-06	36.83836654	4.18675E-05	0.000489478	0.000407398
2035 Sep	1015.954346	1.639584184	2.644830942	0.05322862	460.9917297	0.135554671	182.5874329	0.000788483	0.000788483	5.6831E-06	0.009660405	0.003312892	0.188335344	0.019494096	8.08338E-06	51.75877762	5.08523E-05	0.000467791	0.000418379
2035 Oct	891.5344849	1.483621001	2.32138586	0.045323536	400.5477295	0.127642304	160.5697021	0.000814247	0.000814247	5.69874E-06	0.009862364	0.003027805	0.170536593	0.018875316	7.65425E-06	47.35186005	4.67308E-05	0.000399139	0.000379768
2035 Nov	670.4528809	1.133453131	1.732778549	0.033891249	298.2156067	0.106388196	120.4667053	0.000830968	0.000830968	5.48567E-06	0.009292273	0.002541833	0.132766932	0.018122191	7.2391E-06	38.77217102	3.8484E-05	0.000349056	0.000320726
2035 Dec	668.2834473	1.130066037	1.726847529	0.033777457	297.1982422	0.106232293	120.0684052	0.000832397	0.000832397	5.49002E-06	0.009297414	0.002538389	0.132403344	0.018136766	7.24243E-06	38.70558167	3.84199E-05	0.000348831	0.000320304
2036 Jan	663.6577759	1.125096083	1.717903733	0.033591799	294.9692688	0.106108516	119.2991562	0.000833752	0.000833752	5.49662E-06	0.00930592	0.002533322	0.132079348	0.018144347	7.2317E-06	38.55897903	3.83278E-05	0.00034781	0.000319799
2036 Feb	663.4595947	1.124833941	1.717440128	0.033582479	294.8722534	0.106096514	119.2641449	0.000833833	0.000833833	5.49705E-06	0.009305978	0.002533289	0.132058322	0.018151905	7.23226E-06	38.55731583	3.83235E-05	0.00034785	0.000319906
2036 Mar	663.4514771	1.124807835	1.717389584	0.033581551	294.8668823	0.106094837	119.2618713	0.000833876	0.000833876	5.49732E-06	0.0093061	0.002533429	0.132055908	0.018156456	7.23298E-06	38.56008911	3.83238E-05	0.0003479	0.000319983
2036 Apr	670.3555298	1.136443257	1.735081434	0.033926714	297.9252014	0.107184149	120.4953995	0.000842759	0.000842759	5.55585E-06	0.009403042	0.002560693	0.133414701	0.01837638	7.3127E-06	38.98186874	3.87242E-05	0.000351847	0.000323856
2036 May	698.2463379	1.183398366	1.806433797	0.035322625	310.2672119	0.11162287	125.478241	0.000879785	0.000879785	5.79883E-06	0.009803808	0.002672143	0.138928965	0.019279439	7.64427E-06	40.69654083	4.03655E-05	0.000368119	0.000339635
2036 Jun	809.7649536	1.411690116	2.308463573	0.053388596	364.8459473	0.1120065	143.3011627	0.000836601	0.000836601	5.76786E-06	0.009485364	0.002905828	0.150466844	0.020344898	8.999E-06	0.0053854	0.000493418		
2036 Jul	725.1687012	1.355164647	2.274122477	0.065389462	326.8983765	0.104177989	127.3456192	0.000860102	0.000860102	5.81679E-06	0.00929361	0.002801601	0.137616366	0.019360928	8.78529E-06	39.12308502	4.28369E-05	0.000655039	0.000359364
2036 Aug	769.7127075	1.49860239	2.521687269	0.08161319	346.813385	0.113347106	134.6358185	0.000945839	0.000945839	6.38712E-06	0.010066167	0.003081224	0.14668864	0.021219902	9.46635E-06	41.45710373	4.48255E-05	0.000806339	0.000381592
2036 Sep	899.2885742	1.878909588	3.139854431	0.115056366	409.9163208	0.130092248	156.6538391	0.000878613	0.000878613	6.2373E-06	0.010305326	0.00345668	0.167844564	0.022148529	9.38834E-06	45.71689987	4.59984E-05	0.001055359	0.000406334
2036 Oct	903.3064575	2.023192644	3.321097612	0.131322205	412.3808594	0.132749423	155.9633942	0.000827752	0.000827752	5.93657E-06	0.010436693	0.003461887	0.165878832	0.022568334	9.18087E-06	45.5187912	4.33795E-05	0.001184267	0.000396226
2036 Nov	823.3202515	1.854689002	3.029232264	0.122114576	374.7442017	0.124228738	141.6785736	0.000838906	0.000838906	5.864E-06	0.010210265	0.003258861	0.151072621	0.022181628	8.9628E-06	42.61913681	4.03506E-05	0.001123912	0.00037216
2036 Dec	794.5324097	1.793737292	2.924115896	0.118738353	361.2173157	0.121110596	136.5474548	0.000841786	0.000841786	5.83121E-06	0.010118365	0.003184263	0.145761773	0.022017675	8.87213E-06	41.55983353	3.92608E-05	0.001101243	0.000363399
2037 Jan	794.3907471	1.793350339	2.923419476	0.118709572	361.1467896	0.121095687	136.5211639	0.000841951	0.000841951	5.83215E-06	0.010118704	0.003184295	0.145736992	0.022027601	8.87495E-06	41.56212616	3.92583E-05	0.001101183	0.000363542
2037 Feb	794.4795532	1.793495178	2.923622847	0.118717618	361.1818237	0.121108443	136.5344391	0.0008422	0.0008422	5.83377E-06	0.010120543	0.003185119	0.145751581	0.022043318	8.87813E-06	41.57602692	3.92651E-05	0.001101423	0.000363809
2037 Mar	796.3585205	1.797706485	2.93046999	0.11899554	362.0331421	0.121394441	136.8562622	0.000844277	0.000844277	5.8481E-06	0.010144865	0.003192909	0.14609535	0.022102715	8.90032E-06	41.6794281	3.93593E-05	0.001104092	0.000364793
2037 Apr	801.7313232	1.809817672	2.950202465	0.119796731	364.473999	0.122213215	137.7789612	0.000850022	0.000850022	5.88785E-06	0.010213531	0.003214597	0.147080481	0.022256	8.96105E-06	41.96353149	3.96256E-05	0.001111578	0.000367325
2037 May	676.3826294	1.505689502	2.435931683	0.100678071	303.7930908	0.10500703	114.8016968	0.000893276	0.000893276	5.95202E-06	0.009734124	0.003027055	0.123541951	0.026177334	9.16034E-06	40.55181885	3.64062E-05	0.001032597	0.000422591
2037 Jun	596.8123169	1.314023614	2.359842777	0.075280994	268.3586426	0.09296634	99.02573395	0.000834847	0.000834847	5.7162E-06	0.008562069	0.003213028	0.11697609	0.029257171	8.89228E-06	39.88429642	3.66425E-05	0.000850224	0.000500894
2037 Jul	676.866272	1.536113858	2.75530076	0.082645088	309.5291138	0.107038304	111.8225555	0.000863474	0.000863474	6.11922E-06	0.009274616	0.003582162	0.140428722	0.030105246	8.95884E-06	42.9959259	4.20505E-05	0.000871441	0.000544915
2037 Aug	779.7763062	1.806692123	3.275081635	0.091158226	360.848999	0.1253068	129.3128815	0.000892972	0.000892972	6.63478E-06	0.010001881	0.004173581	0.168535098	0.030763291	9.49107E-06	46.79660034	4.70264E-05	0.000899577	0.000578546
2037 Sep	783.3028564	1.837149262	3.331853151	0.085718118	364.1021118	0.13019529	130.7055359	0.000896183	0.000896183	6.69155E-06	0.010172556	0.004273801	0.175145134	0.029104494	9.23553E-06	46.1894455	4.74949E-05	0.000816599	0.00055304
2037 Oct	594.2250977	1.416554928	2.510040045	0.061020911	274.09552	0.108968861	99.00637054	0.000890338	0.000890338	6.18243E-06	0.009562683	0.003474852	0.13737081	0.024982601	8.23724E-06	37.68563843	3.9326E-05	0.000616764	0.0004389
2037 Nov	553.7893066	1.326251984	2.330807924	0.056578498	254.4466858	0.104330547	91.99641418	0.000902963	0.000902963	6.146E-06	0.009502306	0.003308516	0.128584638	0.024576038	8.15929E-06	36.14523697	3.76268E-05	0.000588798	0.000420153
2037 Dec	554.3297729	1.327428102	2.332734108	0.056623805	254.6885681	0.104438007	92.08739471	0.000904129	0.000904129	6.15371E-06	0.009513821	0.00331181	0.12870504	0.024604499	8.17199E-06	36.18418121	3.76657E-05	0.000589422	0.000420586
2038 Jan	554.2733765	1.327240705	2.332350969	0.056614686	254.657959	0.104430981	92.07686615	0.000904246	0.000904246	6.15436E-06	0.00951426	0.003311831	0.128690794	0.024611419	8.1741E-06	36.18709183	3.76644E-05	0.000589474	0.000420682
2038 Feb	554.2577515	1.327159643	2.332181931	0.056610636	254.6467133	0.104426496	92.07296753	0.000904318	0.000904318	6.15478E-06	0.00951439	0.003312023	0.128684476	0.024619948	8.17531E-06	36.19249344	3.76646E-05	0.000589551	0.000420827
2038 Mar	554.4903564	1.327692747	2.333104134	0.056633048	254.7513885	0.104469463	92.11088562	0.000904751	0.000904751	6.15769E-06	0.0095186	0.003313569	0.128737018	0.024635313	8.17952E-06	36.21118164	3.76811E-05	0.0005895	0.000421088
2038 Apr	557.8782959	1.335791349	2.347327232	0.056978315	256.3066406	0.1051073	92.67327881	0.00091031	0.00091031	6.1955E-06	0.009576883	0.003333905	0.129522756	0.024788717	8.22994E-06	36.43444061	3.79117E-05	0.000593483	0.00042371
2038 May	540.1331177	1.281599402	2.24195981	0.05442613	246.6633453	0.102191865	89.2510376	0.000946138	0.000946138	6.36198E-06	0.009671183	0.003331687	0.125062361	0.026772635	8.61831E-06	37.22065735	3.78187E-05	0.000606234	0.000453325
2038 Jun	474.432251	1.043884873	1.996627092	0.045820761	215.2241821	0.08458145	76.86185455	0.00089233	0.00089233	5.94233E-06	0.008440854	0.003201254	0.105254538	0.030104855	8.39992E-06	37.07263947	3.58185E-05	0.000604976	0.000515502
2038 Jul	521.3544922	1.141074777	2.179045439	0.049776416	239.4049683	0.092704944	83.43936157	0.000976385	0.000976385	6.48496E-06	0.009281658	0.003485077	0.116950937	0.032526478	8.62104E-06	40.30266571	4.01714E-05	0.000638467	0.000567596
2038 Aug	640.4570313	1.426561117	2.76286602	0.061449181	299.4479675	0.112814948	103.1520615	0.001029454	0.001029454	7.15487E-06	0.010107989	0.004172192	0.145605996	0.033429123	9.45564E-06	44.72938156	4.51542E-05	0.000696694	0.000598892
2038 Sep	653.0222778	1.48153615	2.832146168	0.061596554	307.0742188	0.116990276	106.7451172	0.000977144	0.000977144	6.8867E-06	0.010007144	0.004128071	0.150631249	0.02983309	8.86342E-06	43.03948593	4.42132E-05	0.000640661	0.000539404
2038 Oct	571.4875488	1.314000726	2.445570946	0.052631814	266.8330994	0.108195968	94.28108215	0.00095374	0.00095374	6.49464E-06	0.009772806	0.003640118	0.133557394	0.026619434	8.23538E-06	38.57292938	4.00113E-05	0.000555419	0.000461807
2038 Nov	563.8225098	1.297109604	2.408067226	0.05181437	262.9424133	0.107486434	92.95792389	0.000961434	0.000961434	6.51406E-06	0.009807007	0.003609173	0.131854907	0.026621372	8.2661E-06	38.3429451	3.97351E-05	0.000552043	0.000458505
2038 Dec	563.8908081	1.297139883	2.4079175	0.051810965	262.9630127	0.107513018	92.97180939	0.000962024	0.000962024	6.51772E-06	0.009812071	0.003609863	0.131868899	0.026632573	8.27447E-06	38.35392761	3.97444E-05	0.000552243	0.000458614
2039 Jan	563.8239746	1.296915412	2.407420635	0.05180027	262.9250488	0.107502289	92.96067047	0.000962112	0.000962112	6.51817E-06	0.009812229	0.003609727	0.131850347	0.026639285	8.27662E-06	38.35650635	3.97419E-05	0.000552292	0.000458706
2039 Feb	563.7921143	1.29678607	2.407140017	0.051794179	262.9046021	0.107493222	92.95469666	0.000962148	0.000962148	6.51835E-06	0.009811961	0.003609788	0.131838962	0.026647925	8.27765E-06	38.36153793	3.97407E-05	0.000552362	0.000458854

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Mar	564.7254639	1.298902392	2.411046505	0.051878206	263.3368225	0.107669562	93.10816956	0.000963791	0.000963791	6.52943E-06	0.009828364	0.003615909	0.132055089	0.026697593	8.29218E-06	38.4289856	3.98071E-05	0.000553331	0.000459709
2039 Apr	568.357605	1.30724144	2.426514864	0.052211065	265.0289307	0.108361445	93.70655823	0.000970025	0.000970025	6.57164E-06	0.009891717	0.003639265	0.132903412	0.026872646	8.34603E-06	38.67847061	4.00635E-05	0.000556925	0.000462722
2039 May	584.3604736	1.343284965	2.492443323	0.053634372	272.3800964	0.111500852	96.31266022	0.001002775	0.001002775	6.7846E-06	0.010207755	0.003748768	0.136605933	0.027816467	8.62034E-06	39.90478516	4.12749E-05	0.000574656	0.000478342
2039 Jun	589.9035034	1.335492849	2.55274868	0.054136068	269.1217041	0.106696993	104.1659012	0.000897937	0.000897937	6.26985E-06	0.009477797	0.003456614	0.141259298	0.021826368	8.852E-06	36.50503922	4.31729E-05	0.000552712	0.000404387
2039 Jul	510.9959717	1.146313429	2.272963762	0.049184281	236.0230865	0.095109835	89.54655457	0.000835371	0.000835371	5.83594E-06	0.008495217	0.003122939	0.125683218	0.017514493	7.92367E-06	30.19542122	3.8947E-05	0.000485609	0.000325503
2039 Aug	476.976532	1.077774405	2.120940685	0.0461578	222.8720398	0.095392428	82.51915741	0.000866676	0.000866676	5.94535E-06	0.008039176	0.003057746	0.119959489	0.016753705	7.59934E-06	28.18073845	3.46899E-05	0.000430768	0.000299935
2039 Sep	400.0035095	0.904664874	1.744318128	0.037674326	184.7556915	0.08615312	68.84734344	0.000901212	0.000901212	5.80971E-06	0.007836676	0.002717985	0.100950927	0.016341681	7.00988E-06	25.59795952	3.03037E-05	0.000372252	0.000263636
2039 Oct	377.8148804	0.863725722	1.634132624	0.035037879	173.2510071	0.083832465	65.16034698	0.000895426	0.000895426	5.69783E-06	0.007913442	0.002615381	0.095492199	0.01652948	6.85818E-06	25.22563171	2.91831E-05	0.000359961	0.000256842
2039 Nov	378.9393311	0.866159976	1.637360573	0.035103489	173.6948853	0.084202573	65.35423279	0.000901714	0.000901714	5.73317E-06	0.007966057	0.002625555	0.09576612	0.016643308	6.90551E-06	25.35539436	2.93093E-05	0.00036168	0.000258086
2039 Dec	379.3061218	0.866933703	1.638717175	0.035132539	173.8573456	0.08428894	65.4189682	0.000902774	0.000902774	5.73991E-06	0.007975474	0.002628199	0.095857129	0.016663846	6.91568E-06	25.38347816	2.93397E-05	0.000362102	0.000258376
2040 Jan	379.2784119	0.866820335	1.638445854	0.035126675	173.8400269	0.084282197	65.41445923	0.000902797	0.000902797	5.74005E-06	0.007975502	0.002628151	0.095847286	0.016669011	6.91697E-06	25.38632011	2.93385E-05	0.000362148	0.000258457
2040 Feb	379.3029785	0.866834164	1.638440609	0.035126451	173.8472595	0.084284045	65.4187088	0.000902878	0.000902878	5.74057E-06	0.007975982	0.002628447	0.095850065	0.016676592	6.91819E-06	25.39269829	2.93407E-05	0.000362232	0.00025859
2040 Mar	380.0097351	0.868425906	1.64143157	0.0351905	174.1689606	0.084439032	65.54067993	0.000904571	0.000904571	5.75133E-06	0.007990807	0.002633409	0.096026763	0.016711153	6.93148E-06	25.44256783	2.93955E-05	0.0003629	0.000259134
2040 Apr	382.4820557	0.874060035	1.652069092	0.035418469	175.3006134	0.084986828	65.9673996	0.000910453	0.000910453	5.78874E-06	0.008042714	0.002650559	0.09665022	0.016821675	6.97674E-06	25.6094799	2.95867E-05	0.000365316	0.000260853
2040 May	381.1509399	0.863790631	1.624893427	0.034856826	173.7500305	0.084849939	65.41300201	0.000945136	0.000945136	5.97942E-06	0.008254702	0.002700563	0.095939808	0.01849106	7.34597E-06	26.72828484	3.01158E-05	0.000384224	0.000286652
2040 Jun	320.9755249	0.650474846	1.332685947	0.029484669	143.4558563	0.065474793	51.63638306	0.00090422	0.00090422	5.79489E-06	0.007550013	0.002726186	0.075746328	0.025807727	8.13874E-06	28.92565536	2.9054E-05	0.000484922	0.000412366
2040 Jul	343.2731628	0.694503188	1.378918886	0.030537914	157.5907745	0.067296058	53.01830292	0.000936848	0.000936848	5.98914E-06	0.007961912	0.0028465	0.080401413	0.026141556	7.70321E-06	29.66833878	3.11907E-05	0.000476174	0.000427466
2040 Aug	450.6093445	0.96473819	1.894279957	0.040617831	210.4034271	0.084946841	71.96598816	0.000956067	0.000956067	6.42536E-06	0.008482062	0.003405892	0.106582768	0.026139133	8.04327E-06	33.31241226	3.51369E-05	0.000507828	0.000446593
2040 Sep	511.8286743	1.141403675	2.202486992	0.046408053	239.8864288	0.096883357	84.19031525	0.000922293	0.000922293	6.41287E-06	0.008527603	0.003604521	0.122982584	0.024113772	7.85449E-06	34.42399979	3.5853E-05	0.000502349	0.000421824
2040 Oct	446.2832947	1.004870176	1.896143675	0.039790258	206.6610107	0.08919137	73.13639832	0.000942422	0.000942422	6.27345E-06	0.008502371	0.003248302	0.107730024	0.023373803	7.62729E-06	31.96721077	3.30223E-05	0.000462345	0.000387446
2040 Nov	443.2217102	0.9984954	1.879409313	0.039433196	205.0084534	0.089135766	72.61003113	0.000950571	0.000950571	6.30457E-06	0.008562771	0.003237177	0.107039854	0.023452127	7.67209E-06	31.9470768	3.2968E-05	0.000461842	0.000386449
2040 Dec	443.4337769	0.998892844	1.880038142	0.039446246	205.0982819	0.089184202	72.64955902	0.000951205	0.000951205	6.30867E-06	0.008568549	0.003238716	0.107090183	0.023466332	7.67923E-06	31.96552849	3.29857E-05	0.000462114	0.00038665
2041 Jan	443.4710999	0.998919964	1.880027413	0.039445952	205.1095886	0.089191943	72.65749359	0.000951378	0.000951378	6.30976E-06	0.00856992	0.003239093	0.107096978	0.023474237	7.68174E-06	31.97289276	3.29896E-05	0.000462219	0.000386774
2041 Feb	443.5317993	0.999016702	1.880180359	0.039449122	205.1334686	0.089201771	72.66760254	0.000951552	0.000951552	6.31088E-06	0.008571203	0.003239682	0.107108958	0.023484128	7.68371E-06	31.9821434	3.29948E-05	0.000462347	0.000386944
2041 Mar	444.1884766	1.000472546	1.882903337	0.039506216	205.4347076	0.089332387	72.77547455	0.000952981	0.000952981	6.32034E-06	0.008583924	0.003244548	0.107266009	0.023522448	7.69556E-06	32.03212357	3.30439E-05	0.000463066	0.000387579
2041 Apr	446.3604736	1.00534904	1.892069697	0.039698489	206.4376068	0.089768142	73.13182831	0.000957645	0.000957645	6.35127E-06	0.00862587	0.003260438	0.107789561	0.023639347	7.73341E-06	32.19022751	3.32056E-05	0.000465346	0.000389508
2041 May	453.7849731	1.018833756	1.914720654	0.040168554	209.4850311	0.09123376	74.44387054	0.000981022	0.000981022	6.49274E-06	0.00881715	0.003321873	0.109429158	0.02440073	7.93285E-06	33.0254631	3.38976E-05	0.000476689	0.000401723
2041 Jun	461.2110901	1.00500381	1.990660548	0.042801365	210.0562592	0.090278655	80.22044373	0.000915484	0.000915484	6.19683E-06	0.008658838	0.003181722	0.114589632	0.020446658	8.00848E-06	30.78767586	3.67695E-05	0.000491613	0.000347292
2041 Jul	405.9953918	0.845024884	1.719335198	0.03841728	192.9967194	0.079198636	66.37755585	0.000858583	0.000858583	5.81324E-06	0.008211646	0.003017223	0.102215528	0.017045978	7.21517E-06	24.97987175	3.48055E-05	0.000459939	0.000277399
2041 Aug	407.0206909	0.843752205	1.675885797	0.037462719	192.9077606	0.081426613	66.88874054	0.00092611	0.00092611	6.09851E-06	0.008638206	0.003031949	0.103538632	0.01702705	7.18226E-06	25.21238136	3.56869E-05	0.000450764	0.000270249
2041 Sep	485.9761047	1.045216799	2.051981688	0.044946782	229.6465912	0.095908687	82.7401886	0.000905454	0.000905454	6.22497E-06	0.008888788	0.003440069	0.124312557	0.01763933	7.20463E-06	28.77988625	3.81306E-05	0.000486209	0.000293736
2041 Oct	485.1741638	1.055334449	2.046395302	0.0446117	228.4537811	0.09785118	83.29601288	0.000891493	0.000891493	6.14387E-06	0.008950677	0.003431256	0.12413802	0.017929047	7.12614E-06	29.27082634	3.72806E-05	0.000479351	0.000293046
2041 Nov	482.7655334	1.049532056	2.03091073	0.044280425	227.0750275	0.097885892	82.8790741	0.000901201	0.000901201	6.187E-06	0.009022883	0.003425138	0.123526685	0.018095043	7.20382E-06	29.33800125	3.72599E-05	0.00047991	0.000293577
2041 Dec	483.256073	1.050485849	2.032591105	0.044316296	227.2906647	0.097989261	82.97325897	0.000902279	0.000902279	6.1942E-06	0.00903349	0.003428454	0.123649009	0.018117294	7.21483E-06	29.37302589	3.72988E-05	0.000480426	0.000293913
2042 Jan	483.3543701	1.050642252	2.032823086	0.04432128	227.3296509	0.098010048	82.99168396	0.000902596	0.000902596	6.19625E-06	0.009036192	0.003429314	0.123671345	0.01812892	7.21863E-06	29.38518333	3.73078E-05	0.000480606	0.000294097
2042 Feb	483.36026	1.050614119	2.032735825	0.044319347	227.3274841	0.098008826	82.99250031	0.000902673	0.000902673	6.19671E-06	0.009036495	0.003429544	0.123669595	0.018137367	7.21989E-06	29.39151573	3.73089E-05	0.00048069	0.000294243
2042 Mar	483.8873291	1.051733851	2.034881353	0.044366051	227.5721283	0.098114051	83.08348846	0.000903684	0.000903684	6.20362E-06	0.009046387	0.003433364	0.123802528	0.01816147	7.22834E-06	29.42684746	3.73499E-05	0.000481253	0.000294641
2042 Apr	489.6697998	1.064257145	2.059076548	0.044893064	230.2853241	0.099282727	84.0815506	0.000914423	0.000914423	6.27735E-06	0.00915395	0.003474252	0.125279814	0.018379608	7.31452E-06	29.78053474	3.77954E-05	0.00048699	0.000298193
2042 May	496.8060303	1.075932384	2.074450016	0.045235965	232.8434601	0.101144008	85.09205627	0.000960937	0.000960937	6.54072E-06	0.009507583	0.00356758	0.126816496	0.019930815	7.68436E-06	31.15217209	3.88532E-05	0.000507649	0.000321421
2042 Jun	407.0983276	0.842444181	1.635490894	0.037408371	184.7093201	0.08488293	71.70938873	0.00093528	0.00093528	6.10931E-06	0.008832936	0.002871753	0.105207786	0.0191817	7.78258E-06	27.78708267	3.64225E-05	0.000494985	0.000301219
2042 Jul	317.1479492	0.618939877	1.188212872	0.028806346	142.362666	0.070071273	55.58042526	0.000926953	0.000926953	5.72382E-06	0.008186832	0.002335543	0.083127081	0.016964359	7.25782E-06	22.72862053	3.2408E-05	0.000444105	0.000242176
2042 Aug	345.8478699	0.695053458	1.294499636	0.031231197	152.8432159	0.082969233	65.04826355	0.000888926	0.000888926	5.57655E-06	0.007430689	0.002394686	0.093967929	0.016878169	7.02856E-06	24.7432251	2.80664E-05	0.000440248	0.000234532
2042 Sep	341.1307983	0.699593365	1.264622211	0.030232508	148.8458862	0.085723013	65.45371246	0.000883225	0.000883225	5.50462E-06	0.007403016	0.002356454	0.094149515	0.017163442	6.87409E-06	25.47400665	2.62846E-05	0.000433046	0.000231391
2042 Oct	315.9109192	0.661463022	1.159746885	0.027520543	136.1755219	0.082317442	60.79457474	0.000879665	0.000879665	5.40482E-06	0.007667624	0.002234505	0.087517098	0.01719095	6.71671E-06	24.8112793	2.59446E-05	0.000408603	0.000226047
2042 Nov	316.3302002	0.662337124	1.158788919	0.027487356	136.2188263	0.082693972	60.87421036	0.000888496	0.000888496	5.45117E-06	0.007742396	0.002243964	0.087629505	0.017345004	6.7786E-06	24.96022606	2.60709E-05	0.000410218	0.000227392
2042 Dec	316.6070557	0.662828028	1.15954721	0.02750439	136.3291016	0.082763322	60.93490982	0.000889296	0.000889296	5.45619E-06	0.007749727	0.002245826	0.087702557	0.017361354	6.78686E-06	24.98458672	2.60945E-05	0.000410567	0.000227612
2043 Jan	316.6404724	0.662841499	1.159519076	0.027503289	136.3378601	0.082767889	60.94376373	0.000889408	0.000889408	5.45694E-06	0.007750663	0.00224613	0.087708026	0.017368147	6.78888E-06	24.9913826	2.60977E-05	0.000410644	0.000227728
2043 Feb	316.6524353	0.662836015	1.159487844	0.027502522	136.3401184	0.082767732	60.94512939	0.000889478	0.000889478	5.45739E-06	0.007751012	0.002246389	0.087708205	0.017375382	6.78999E-06	24.99690437	2.60993E-05	0.000410721	0.000227855
2043 Mar	316.8132629	0.663157821	1.160039663	0.027515635	136.4079895	0.082808271	60.97525024	0.000889957	0.000889957	5.46033E-06	0.007755029	0.002247636	0.087751113	0.017387928	6.79395E-06	25.01212311	2.61129E-05	0.000410965	0.000228037
2043 Apr	320.4947815	0.670855403	1.173498392	0.027834879	137.9923096	0.083769664	61.68334198	0.000900314	0.000900314	5.52388E-06	0.007845189	0.002273815	0.088769868	0.017592125	6.87319E-06	25.30422783	2.64165E-05	0.000415761	0.000230724
2043 May	328.486908	0.682367265	1.189337373	0.028222796	140.8749084	0.085692227	62.90765762	0.00094676	0.00094676	5.79956E-06	0.008185674	0.002372943	0.090596072	0.019249436	7.32241E-06	26.76363373	2.75029E-05	0.000439666	0.000256356
2043 Jun	282.6182556	0.527136981	1.035496116	0.025924878	115.8896713	0.068080552	51.99024963	0.000928165	0.000928165	5.62908E-06	0.007638236	0.002298916	0.073032483	0.025892692	7.67965E-06	29.05233383	2.86247E-05	0.000521981	0.000382871
2043 Jul	284.9508362	0.526631951	1.015267968	0.025436785	116.8034668	0.068506211	51.97687149	0.000999627	0.000999627	5.91621E-06	0.008106661	0.002415647	0.073679224	0.027033286	7.64739E-06	29.72719002	3.04938E-05	0.000535477	0.000394908
2043 Aug	341.6672363	0.650640607	1.235499501	0.030241279	140.9221954	0.082491927	65.85914612	0.001039228	0.001039228	6.26929E-06	0.00852248	0.002714231	0.09150409	0.027184378	8.10347E-06	32.44808197	3.26553E-05	0.000572865	0.000397178
2043 Sep	388.0500793	0.777389884	1.452566385	0.034373563	159.4832764	0.094378896	79.34113312	0.000995924	0.000995924	6.1703E-06	0.008505735	0.002850493	0.108453646	0.02505102	7.86392E-06	33.70413208	3.35056E-05	0.000568591	0.000372271
2043 Oct	335.9339294	0.692113042	1.23661387	0.02867561	135.3413849	0.087309778	69.09898376	0.000986904	0.000986904	6.00247E-06	0.008520919	0.002568235	0.095638111	0.023281135	7.61681E-06	30.87932968	3.07094E-05	0.00049628	0.000334041
2043 Nov	267.9232483	0.559864998	0.942612112	0.021792373	105.9980698	0.077279776	53.75471497	0.0009933	0.0009933	5.86733E-06	0.008511071	0.00224414	0.07677272	0.021955313	7.47137E-06	27.27994347	2.68973E-05	0.000429803	0.000291767
2043 Dec	268.0237122	0.559999287	0.942691565	0.0217949	106.0341187	0.077320777	53.7731781	0.000994078	0.000994078	5.87226E-06	0.008517838	0.002245402	0.076801218	0.021971539	7.48153E-06	27.29537964	2.69119E-05	0.000430106	0.00029195
2044 Jan	268.0422363	0.559996247	0.942627013	0.021793582	106.0378342	0.07732629	53.77464676	0.000994302	0.000994302	5.87355E-06	0.008519461	0.002245852	0.076802194	0.021982456	7.484E-06	27.30382729	2.69155E-05	0.000430228	0.000292116
2044 Feb	268.2773438	0.560455918	0.943370402	0.021810755	106.1271744	0.077390045	53.81938934	0.000995243	0.000995243	5.87896E-06	0.008527088	0.002248077	0.076863676	0.022011789	7.49066E-06	27.33493805	2.69399E-05	0.00043068	0.000292547
2044 Mar	268.7914124	0.56151396	0.945135057	0.021851564	106.3286591	0.077536359	53.92100906	0.000997193	0.000997193	5.89039E-06	0.008543547	0.00225253	0.0770078	0.022059534	7.5051E-06	27.39124489	2.6992E-05	0.000431549	0.000293203
2044 Apr	270.092804	0.564223766	0.949687123	0.021956813	106.8424225	0.077910654	54.18123627	0.001002045	0.001002045	5.91901E-06	0.008584981	0.002263518	0.077378884	0.022169448	7.54149E-06	27.5260582	2.7123E-05	0.000433662	0.000294676
2044 May	278.9353333	0.582265377	0.979566455	0.022649435	110.2810822	0.08045885	55.91426849	0.001037785	0.001037785	6.12619E-06	0.008884329	0.002341967	0.079847045	0.023029396	7.79944E-06	28.52399254	2.80615E-05	0.000449029	0.000306389
2044 Jun	262.5111694	0.521092296	1.059788942	0.025613757	100.2203979	0.071067363	54.60486984	0.000938665	0.000938665	5.43884E-06	0.007999728	0.002018762	0.074321724	0.020160841	6.27997E-06	26.24269867	2.95469E-05	0.000429456	0.000284408
2044 Jul	221.7390594	0.438681632	0.875030577	0.020820823	81.4969101	0.062159859	45.42043304	0.001010971	0.001010971	5.66128E-06	0.008364405	0.001854706	0.064453654	0.018813659	6.17278E-06	23.6825676	3.01308E-05	0.000385671	0.00025823
2044 Aug	238.4483795	0.469594777	0.922568619	0.021706788	86.14601135	0.06806384	49.27991867	0.001152547	0.001152547	6.40106E-06	0.009382091	0.002037966	0.070346415	0.020551374	6.87004E-06	25.95378685	3.32608E-05	0.000412898	0.000278779
2044 Sep	251.5100861	0.516098797	0.973919034	0.022214565	89.9981308	0.074746653	55.64112854	0.001057138	0.001057138	5.93912E-06	0.008655714	0.002009313	0.077355675	0.018752299	6.25941E-06	26.29868317	2.91701E-05	0.000374175	0.000250722
2044 Oct	240.266861	0.505108476	0.908591747	0.020467972	85.07456207	0.074124292	53.72776413	0.00102852	0.00102852	5.75337E-06	0.008698025	0.001942698	0.074456863	0.01834991	6.00505E-06	25.78111267	2.79385E-05	0.00034831	0.000238595
2044 Nov	231.0746613	0.486778378	0.86370194	0.019470133	81.50707245	0.072828732	51.33299255	0.001032211	0.001032211	5.7434E-06	0.008723827	0.001908438	0.071493626	0.018366905	5.97936E-06	25.3592701	2.73738E-05	0.000341463	0.000234181
2044 Dec	231.223114	0.487032592	0.864044487	0.019477444	81.5544281	0.072875649	51.37107849	0.001032908	0.001032908	5.74707E-06	0.008730114	0.001909588	0.071534291	0.01837929	5.98317E-06	25.37763596	2.73914E-05	0.000341643	0.00023432
2045 Jan	231.2026672	0.486960232	0.863864362	0.019473368	81.54434967	0.072868444	51.36548996	0.001032902	0.001032902	5.74691E-06	0.008729914	0.001909596	0.07152313	0.018384315	5.98297E-06	25.38038254	2.73897E-05	0.000341658	0.000234401
2045 Feb	231.1972046	0.486924112	0.863775551	0.01947136	81.54045105	0.072863042	51.3620491	0.001032914	0.001032914	5.74691E-06	0.008729695	0.001909745	0.071516529	0.018391529	5.98294E-06	25.3850441	2.73894E-05	0.000341709	0.000234529
2045 Mar	231.5222626	0.487596422	0.864955008	0.019497957	81.65409851	0.0729637	51.43289566	0.001034391	0.001034391	5.75508E-06	0.008742001	0.001912543	0.071614444	0.018421654	5.99144E-06	25.42364693	2.74281E-05	0.000342223	0.000234933
2045 Apr	232.7146912	0.490100712	0.869389832	0.019597935	82.07407379	0.073338471	51.69701385	0.001039732	0.001039732	5.78478E-06	0.008787044	0.001922457	0.071981773	0.018518977	6.02235E-06	25.55625916	2.75694E-05	0.000344005	0.000236185
2045 May	240.6858978	0.506884754	0.89915967	0.020269016	84.88509369	0.075850137	53.46742249	0.001075357	0.001075357	5.98297E-06	0.009088063	0.001988339	0.074446693	0.019154439	6.22868E-06	26.43241119	2.85139E-05	0.000355798	0.000244294
2045 Jun	326.5617065	0.650960743	1.205913424	0.025959648	111.3687134	0.083324403	82.47438049	0.000976493	0.000976493	5.63277E-06	0.009081978	0.002165068	0.10551738	0.016549656	5.95116E-06	30.12953186	3.5871E-05	0.000360986	0.000263637
2045 Jul	282.7521362	0.59807086	1.10309732	0.021969792	94.22962189	0.071301602	69.4776001	0.001016723	0.001016723	5.80433E-06	0.009172208	0.00207879	0.095026329	0.015171531	5.97826E-06	26.45954323	3.56722E-05	0.000332816	0.000244164
2045 Aug	270.6914368	0.584197223	1.087975383	0.020837352	89.56904602	0.070179023	64.97966766	0.001098538	0.001098538	6.18466E-06	0.009502517	0.002124653	0.090722166	0.015851492	6.32503E-06	23.19629288	3.52889E-05	0.000337449	0.0002431
2045 Sep	284.5001526	0.608893812	1.106840849	0.021152396	93.54130554	0.075102434	70.04699707	0.00108084	0.00108084	6.11022E-06	0.009371179	0.002177559	0.096130967	0.016205693	6.26682E-06	27.67569733	3.40262E-05	0.000333687	0.000248085
2045 Oct	294.304657	0.629406154	1.132522345	0.021614401	96.55467987	0.077627748	73.06452942	0.001089045	0.001089045	6.17086E-06	0.009551273	0.002229336	0.099551216	0.0165511	6.33405E-06	28.60370255	3.46209E-05	0.000337284	0.00025457
2045 Nov	293.2702332	0.627588928	1.128161311	0.021515246	96.19232941	0.077678166	72.69860077	0.001094421	0.001094421	6.19282E-06	0.009593649	0.00223002	0.099052615	0.016657073	6.35547E-06	28.62682915	3.45804E-05	0.00033787	0.000254572
2045 Dec	292.467041	0.626035392	1.124884963	0.02144591	95.91850281	0.077606022	72.45249176	0.001095423	0.001095423	6.19481E-06	0.009600411	0.002227607	0.09871643	0.016682865	6.35704E-06	28.60233498	3.45209E-05	0.000337712	0.000254264
2046 Jan	292.5083313	0.62609762	1.124962807	0.021447422	95.93041992	0.07761652	72.46231842	0.001095619	0.001095619	6.19583E-06	0.009602028	0.002228009	0.098726414	0.016689356	6.35809E-06	28.60951614	3.45259E-05	0.000337787	0.000254361

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Feb	292.5677185	0.626210749	1.125151277	0.021451037	95.94907379	0.077630863	72.47524261	0.001095877	0.001095877	6.19724E-06	0.009604068	0.002228593	0.09874323	0.016697723	6.35952E-06	28.61868858	3.45331E-05	0.000337897	0.000254496
2046 Mar	293.3038025	0.62777853	1.127960205	0.021504598	96.19001007	0.077825397	72.65658569	0.001098654	0.001098654	6.21292E-06	0.00962828	0.002234272	0.098989882	0.016742457	6.3756E-06	28.69252586	3.46201E-05	0.000338769	0.000255182
2046 Apr	296.5457153	0.634697318	1.140383124	0.02174139	97.25199127	0.078682959	73.46071625	0.001110755	0.001110755	6.28135E-06	0.009734349	0.002258944	0.100082234	0.016928328	6.44584E-06	29.01046562	3.50021E-05	0.000342512	0.000258021
2046 May	305.9809265	0.653918743	1.174226761	0.022389121	100.2814941	0.08113803	75.7162323	0.001149905	0.001149905	6.49851E-06	0.010064651	0.002337665	0.10311196	0.017700125	6.66804E-06	30.09392357	3.61773E-05	0.000355529	0.000269903
2046 Jun	287.7250366	0.564358354	1.008529305	0.019589163	90.59542084	0.070175812	74.62481689	0.001008543	0.001008543	5.66603E-06	0.009089094	0.002090079	0.09829919	0.016582109	5.8922E-06	28.73762894	3.562E-05	0.000325259	0.000276254
2046 Jul	188.6638184	0.356569827	0.641980946	0.012602695	57.46035385	0.050176214	46.30948257	0.000965646	0.000965646	5.21949E-06	0.008128311	0.001597988	0.064977869	0.013916524	5.36042E-06	20.80506706	2.95951E-05	0.000266839	0.00020462
2046 Aug	169.2648163	0.311528057	0.566976726	0.010776561	50.27339172	0.047432128	40.39684677	0.001025437	0.001025437	5.46381E-06	0.008236578	0.001566318	0.05711728	0.014082721	5.57502E-06	19.84237289	2.82716E-05	0.00026226	0.000190359
2046 Sep	196.2587585	0.365745783	0.609118462	0.011448045	57.59310532	0.055677645	50.33248901	0.000971454	0.000971454	5.26816E-06	0.00799543	0.001678562	0.068578824	0.014364754	5.39042E-06	22.36304474	2.62996E-05	0.000252088	0.000198238
2046 Oct	197.287384	0.378915697	0.586389422	0.011030294	57.58992004	0.058349133	51.00230026	0.000953152	0.000953152	5.18705E-06	0.008230443	0.001695544	0.069247171	0.01494939	5.29849E-06	23.06494331	2.57868E-05	0.000245423	0.000201278
2046 Nov	191.404953	0.368845999	0.563637614	0.010617717	55.78354263	0.057871956	49.09128952	0.000958275	0.000958275	5.19795E-06	0.00826388	0.001677107	0.066908605	0.015090344	5.30226E-06	22.80760193	2.53758E-05	0.00024418	0.000198801
2046 Dec	191.7198792	0.369319707	0.564290106	0.010629837	55.86956406	0.057950132	49.18484116	0.0009594	0.0009594	5.204E-06	0.008274432	0.001679261	0.067005515	0.015109312	5.30859E-06	22.84321976	2.54108E-05	0.000244463	0.00019906
2047 Jan	191.7424622	0.369332284	0.564270258	0.010629546	55.87468338	0.057955053	49.18944168	0.000959542	0.000959542	5.20468E-06	0.008275516	0.001679575	0.067007042	0.015117074	5.30929E-06	22.85022736	2.54137E-05	0.000244534	0.000199177
2047 Feb	191.7950897	0.369414985	0.56437695	0.01063159	55.88933945	0.057968013	49.19989395	0.00095984	0.00095984	5.20625E-06	0.008277746	0.001680228	0.067020006	0.015128842	5.31088E-06	22.86152267	2.54208E-05	0.000244666	0.000199363
2047 Mar	192.6516418	0.37105453	0.566871107	0.010678593	56.13857269	0.058225285	49.41794586	0.000964146	0.000964146	5.22957E-06	0.008314691	0.001687837	0.067316353	0.015200585	5.33466E-06	22.96637726	2.55343E-05	0.000245794	0.000200325
2047 Apr	193.7371216	0.373139352	0.570050001	0.010738486	56.45466614	0.058552429	49.69542694	0.000969589	0.000969589	5.25908E-06	0.008361528	0.001697407	0.067693941	0.015288624	5.36476E-06	23.0973587	2.56783E-05	0.000247199	0.000201495
2047 May	192.7695923	0.366692215	0.555568635	0.010482304	55.90147018	0.057876602	48.64699936	0.000991282	0.000991282	5.35897E-06	0.00845641	0.0017429	0.066273391	0.016944021	5.45938E-06	24.12033081	2.60014E-05	0.000262534	0.000228406
2047 Jun	209.2905731	0.344262749	0.516611278	0.009818337	57.80800247	0.049964305	53.52089691	0.000923602	0.000923602	4.96945E-06	0.007839785	0.00188593	0.068081029	0.02382358	5.13304E-06	29.90189171	2.83607E-05	0.000320751	0.000384422
2047 Jul	220.2361145	0.367822737	0.551197767	0.010296144	60.29172897	0.051415335	54.42788696	0.001029534	0.001029534	5.57638E-06	0.008586996	0.002115703	0.071919076	0.027246615	5.69411E-06	32.6509285	3.12958E-05	0.000363159	0.000443638
2047 Aug	248.1773071	0.412304342	0.618860841	0.011496245	67.512146	0.058474854	62.66085052	0.001126538	0.001126538	6.12946E-06	0.009308909	0.002338004	0.082511552	0.02894602	6.25967E-06	35.77131271	3.36834E-05	0.000388318	0.000470928
2047 Sep	266.5351563	0.450973094	0.666696548	0.012310067	71.94843292	0.064968608	71.833992	0.001056639	0.001056639	5.84743E-06	0.0089945	0.002296291	0.094093673	0.024626879	6.00208E-06	34.62168884	3.18886E-05	0.000342916	0.00040171
2047 Oct	254.738205	0.443900913	0.631817698	0.011655948	68.47850037	0.064941376	69.26976776	0.001015025	0.001015025	5.63707E-06	0.008988074	0.002186955	0.091306299	0.022457	5.7705E-06	32.53846741	3.05443E-05	0.000313118	0.000356464
2047 Nov	239.5803528	0.420442969	0.588032186	0.010894274	64.36849976	0.063395672	64.37274933	0.001015685	0.001015685	5.60503E-06	0.008954179	0.002113703	0.085466415	0.022101242	5.72353E-06	31.29790688	2.94078E-05	0.000305573	0.000340509
2047 Dec	238.7763367	0.419098705	0.585360229	0.010848314	64.14646912	0.063355714	64.11122131	0.001016766	0.001016766	5.60772E-06	0.008961854	0.002110152	0.085121252	0.022096597	5.72579E-06	31.24547958	2.93578E-05	0.000305304	0.000339625
2048 Jan	238.8863831	0.419247925	0.585535705	0.010851619	64.174263	0.063381054	64.14125824	0.001017217	0.001017217	5.61011E-06	0.008965747	0.002111138	0.085152224	0.022110905	5.72827E-06	31.26312065	2.93707E-05	0.000305469	0.000339846
2048 Feb	239.0569611	0.419530213	0.585910797	0.010858609	64.21979523	0.063423827	64.18347168	0.001017996	0.001017996	5.61434E-06	0.008972217	0.002112853	0.085206948	0.022134777	5.73257E-06	31.29072571	2.93919E-05	0.000305758	0.000340225
2048 Mar	239.0825348	0.419565827	0.585950136	0.01085936	64.22650146	0.063429251	64.18840027	0.001018134	0.001018134	5.61506E-06	0.008973212	0.002113192	0.085212767	0.022141516	5.73329E-06	31.29692459	2.93952E-05	0.000305828	0.000340334
2048 Apr	241.1621704	0.423177689	0.590957642	0.010952227	64.78433228	0.063975282	64.74032593	0.001027072	0.001027072	5.66422E-06	0.009051244	0.002131952	0.085941881	0.022349421	5.78347E-06	31.57921219	2.96513E-05	0.00030862	0.000343555
2048 May	250.5945587	0.439706683	0.614020705	0.011379695	67.31758118	0.066474259	67.2691803	0.001067289	0.001067289	5.88594E-06	0.009405264	0.002215534	0.089296699	0.023231605	6.00985E-06	32.81964874	3.08113E-05	0.000320761	0.000357128
2048 Jun	234.0528107	0.385098726	0.56238091	0.010532035	61.17684174	0.05739719	65.82102966	0.000968986	0.000968986	5.29789E-06	0.008751067	0.001907951	0.086386874	0.018075697	5.49135E-06	28.33360672	3.16809E-05	0.000275394	0.000291942
2048 Jul	146.6941528	0.221742421	0.328461915	0.006498517	36.75065994	0.040998343	38.09386063	0.000969555	0.000969555	5.10231E-06	0.008027765	0.001438691	0.054081134	0.014521928	5.22289E-06	19.73417282	2.73392E-05	0.000234375	0.000202625
2048 Aug	159.277771	0.233322948	0.348544925	0.006788637	38.97419739	0.044300009	42.91503906	0.001002432	0.001002432	5.32372E-06	0.008015973	0.001532279	0.059506387	0.014360544	5.43063E-06	20.67033195	2.68844E-05	0.000231939	0.000198635
2048 Sep	191.8719788	0.291281551	0.420425147	0.007946679	46.75511551	0.051458295	54.61084366	0.000976929	0.000976929	5.30876E-06	0.007985647	0.001697845	0.073372796	0.014577962	5.41889E-06	23.44025421	2.65711E-05	0.000231392	0.000211059
2048 Oct	196.2085419	0.31352064	0.430784017	0.008095589	48.08868408	0.053789154	56.06481171	0.000955709	0.000955709	5.23873E-06	0.008117566	0.001726243	0.075210646	0.014862764	5.3324E-06	24.02519608	2.62857E-05	0.000227178	0.000214401
2048 Nov	186.1079102	0.301893145	0.404606879	0.007656118	45.75413132	0.053327922	52.39918518	0.000961761	0.000961761	5.24622E-06	0.008145112	0.001689442	0.07089252	0.015051147	5.32656E-06	23.45079803	2.54721E-05	0.000225538	0.000209222
2048 Dec	186.2510071	0.302113146	0.404836059	0.007660792	45.78837204	0.053377077	52.43846512	0.000962685	0.000962685	5.25106E-06	0.008153163	0.001690857	0.070940472	0.01506651	5.33149E-06	23.4720459	2.54934E-05	0.000225742	0.000209394
2049 Jan	186.2580566	0.302118093	0.404804796	0.007660377	45.79027557	0.05338183	52.43609238	0.000962867	0.000962867	5.25193E-06	0.008154447	0.001691178	0.070936859	0.015075467	5.33236E-06	23.47853088	2.54956E-05	0.000225827	0.00020952
2049 Feb	186.27771	0.302135199	0.404809147	0.007660497	45.7952652	0.053384483	52.43769836	0.000963004	0.000963004	5.25262E-06	0.00815525	0.001691564	0.070937641	0.015085546	5.33304E-06	23.48649597	2.54984E-05	0.000225924	0.000209687
2049 Mar	186.5844116	0.302624583	0.405454725	0.007672735	45.87075424	0.053470757	52.52190018	0.000964609	0.000964609	5.26134E-06	0.008168647	0.001694463	0.071050778	0.015115021	5.34189E-06	23.528162	2.55404E-05	0.000226336	0.000210112
2049 Apr	188.2016907	0.305243075	0.408957094	0.007739025	46.26840591	0.0539333	52.97591782	0.000972981	0.000972981	5.30698E-06	0.008239432	0.001709216	0.071664535	0.015248695	5.38823E-06	23.73381996	2.57618E-05	0.000228321	0.000211978
2049 May	193.8695984	0.314098209	0.419781148	0.007950217	47.66050339	0.055622671	54.3742485	0.001009353	0.001009353	5.50081E-06	0.00853299	0.001772191	0.073600724	0.016044365	5.58354E-06	24.66636658	2.66386E-05	0.00023858	0.000223248
2049 Jun	179.5886078	0.26830709	0.37591356	0.007188068	42.92797852	0.046462983	51.54762268	0.000932292	0.000932292	5.01268E-06	0.007931261	0.001568344	0.068757303	0.014506607	5.15794E-06	22.61181259	2.76199E-05	0.000225881	0.000219613
2049 Jul	146.0131226	0.208619565	0.297858685	0.005867007	33.98605728	0.039669171	40.03123093	0.000949275	0.000949275	5.04421E-06	0.007763664	0.001418206	0.056304138	0.013373307	5.14197E-06	19.24244308	2.6657E-05	0.000216621	0.000190343
2049 Aug	139.7090912	0.186799899	0.26715368	0.005417557	31.5820694	0.040536348	36.89928818	0.001063898	0.001063898	5.60169E-06	0.008395698	0.00148508	0.053104691	0.014443122	5.679E-06	19.47717857	2.77172E-05	0.000233284	0.000190532
2049 Sep	185.4846802	0.261335731	0.360041231	0.006932927	41.69618988	0.049081773	53.6628418	0.001017894	0.001017894	5.50871E-06	0.008490339	0.001709924	0.07283327	0.01488448	5.61257E-06	23.4662075	2.83728E-05	0.000234829	0.000213779
2049 Oct	185.2608643	0.278024793	0.360080391	0.006906227	42.10257339	0.051299341	53.50035858	0.000987429	0.000987429	5.3792E-06	0.008520358	0.001715871	0.072681367	0.015179293	5.46365E-06	23.75170898	2.72141E-05	0.000228438	0.000213346
2049 Nov	181.6603546	0.275340527	0.352227241	0.006777755	41.45223999	0.051356927	52.12679672	0.000990805	0.000990805	5.38911E-06	0.008524179	0.001702231	0.070927657	0.015272373	5.46657E-06	23.55815697	2.68259E-05	0.00022765	0.000211379
2049 Dec	181.338501	0.275019646	0.35119009	0.006761463	41.38906479	0.05139799	51.99803543	0.000992039	0.000992039	5.3939E-06	0.008533549	0.00170156	0.070746608	0.015298967	5.4711E-06	23.5559845	2.68035E-05	0.000227767	0.000211271
2050 Jan	181.1784973	0.274826765	0.350708902	0.00675367	41.3555603	0.051401246	51.93342209	0.000992403	0.000992403	5.3951E-06	0.008536057	0.001701241	0.070664115	0.015312808	5.47218E-06	23.55437469	2.67921E-05	0.000227843	0.000211302
2050 Feb	181.196228	0.274841785	0.350711793	0.006753758	41.36009216	0.051403541	51.93473434	0.000992528	0.000992528	5.39572E-06	0.008536776	0.001701596	0.070664577	0.015322188	5.4728E-06	23.56174469	2.67946E-05	0.000227933	0.000211458
2050 Mar	181.2526703	0.27492094	0.350803852	0.00675555	41.37323761	0.051418066	51.94885635	0.000992852	0.000992852	5.39745E-06	0.008539371	0.001702229	0.070683077	0.015331261	5.47455E-06	23.57184792	2.68028E-05	0.000228041	0.000211597
2050 Apr	182.4237671	0.276693553	0.353060633	0.00679902	41.64070511	0.051749431	52.28332901	0.000999275	0.000999275	5.43235E-06	0.008594508	0.001713287	0.071137749	0.015432779	5.50995E-06	23.72572899	2.6976E-05	0.000229536	0.000213006
2050 May	187.6764526	0.28447026	0.362675399	0.00698643	42.8440361	0.053233456	53.71059799	0.001030276	0.001030276	5.5993E-06	0.008853878	0.001766857	0.073086202	0.016014056	5.67879E-06	24.49629784	2.77851E-05	0.000237497	0.000221268
2050 Jun	184.504837	0.256457597	0.342587382	0.006577611	41.15505219	0.045388348	53.18593979	0.000967649	0.000967649	5.21908E-06	0.008265365	0.001697966	0.070735574	0.017106129	5.34793E-06	24.91212845	2.89172E-05	0.000249711	0.000265108
2050 Jul	147.1380005	0.195606545	0.269143254	0.005327822	32.19124985	0.038395092	40.98157501	0.000941768	0.000941768	5.01951E-06	0.007661326	0.001472185	0.056949258	0.01471428	5.11012E-06	20.3895092	2.63703E-05	0.000222694	0.0002161
2050 Aug	251.921051	0.313782096	0.463945419	0.008678826	52.77009583	0.053325545	82.54854584	0.000958605	0.000958605	5.09945E-06	0.008771774	0.001844299	0.107283399	0.015097979	5.56752E-06	29.1570816	3.58299E-05	0.000231976	0.000284166
2050 Sep	260.8195496	0.331954986	0.476188242	0.008887218	54.63201141	0.056856476	85.41625977	0.00095568	0.00095568	5.17537E-06	0.00873192	0.001935919	0.110369474	0.015299208	5.58538E-06	30.11623573	3.42887E-05	0.000233067	0.000280363
2050 Oct	262.3068542	0.33800754	0.47738564	0.008923893	55.02761459	0.058023993	85.41488647	0.000974665	0.000974665	5.30559E-06	0.008912637	0.001980153	0.110279396	0.015690565	5.68287E-06	30.47982216	3.43097E-05	0.000237514	0.000281631
2050 Nov	264.9258118	0.341398954	0.482191265	0.009012127	55.58532333	0.05855526	86.29097748	0.000982868	0.000982868	5.35152E-06	0.008987527	0.001998132	0.111317784	0.015820142	5.73176E-06	30.76755714	3.46167E-05	0.000239494	0.000284127
2050 Dec	265.2330017	0.341820896	0.482766032	0.009022711	55.65281677	0.058621556	86.39231873	0.000983891	0.000983891	5.35728E-06	0.008996622	0.002000279	0.111434922	0.015836162	5.73777E-06	30.80182838	3.4652E-05	0.00023973	0.000284416
2051 Jan	265.3860168	0.342058659	0.483103037	0.009028562	55.68601608	0.058646586	86.44059753	0.00098419	0.00098419	5.35941E-06	0.008999677	0.002001481	0.111499429	0.015844556	5.73982E-06	30.81832314	3.46669E-05	0.000239849	0.000284614
2051 Feb	265.4585571	0.342158556	0.483237892	0.009030969	55.70154953	0.058659028	86.46142578	0.00098441	0.00098441	5.36073E-06	0.009001641	0.002002172	0.111528128	0.0158529	5.74115E-06	30.8290329	3.46753E-05	0.000239949	0.000284773
2051 Mar	265.7476807	0.342528611	0.483754098	0.009040628	55.76250839	0.058722381	86.554039	0.000985503	0.000985503	5.36666E-06	0.009011491	0.00200443	0.111647166	0.015873067	5.74749E-06	30.8644619	3.47131E-05	0.000240236	0.00028513
2051 Apr	268.2991638	0.345815748	0.48839283	0.009127326	56.29805374	0.059285872	87.38414764	0.000994977	0.000994977	5.41824E-06	0.009098037	0.00202372	0.112717703	0.016027136	5.80272E-06	31.16186142	3.50464E-05	0.000242557	0.000287895
2051 May	266.5975342	0.343636036	0.482228696	0.009044133	55.9865303	0.059588965	85.84442902	0.001029385	0.001029385	5.59971E-06	0.009280609	0.002071464	0.111374334	0.017153233	5.96382E-06	31.70852661	3.52787E-05	0.000254523	0.000302168
2051 Jun	100.6082382	0.111091956	0.12623775	0.002924586	22.03421211	0.030867843	21.67513275	0.000962154	0.000962154	4.96664E-06	0.007002044	0.001392299	0.032021355	0.020667102	5.00995E-06	20.817379	2.17839E-05	0.000263429	0.000291993
2051 Jul	90.2448349	0.095810279	0.109220862	0.002664614	19.82829285	0.029299293	18.5800705	0.000963517	0.000963517	4.96241E-06	0.006915866	0.001295662	0.02856186	0.019016972	4.99319E-06	18.91109467	2.14629E-05	0.000250017	0.000261554
2051 Aug	87.84697723	0.090986691	0.103424743	0.002580161	19.10757828	0.029579831	17.89650154	0.000977117	0.000977117	5.02445E-06	0.006974262	0.001286541	0.027796099	0.018613735	5.0522E-06	18.48417664	2.13132E-05	0.000246477	0.000250329
2051 Sep	84.36694336	0.088881433	0.096799441	0.002463606	18.33428764	0.03027848	17.17289162	0.000964801	0.000964801	4.95672E-06	0.006878	0.001248872	0.026751835	0.017748799	4.98053E-06	17.74766541	2.0249E-05	0.000235613	0.000230265
2051 Oct	79.16104889	0.092781752	0.086315095	0.0022818	17.53471375	0.032392837	16.22168922	0.000932622	0.000932622	4.78936E-06	0.006769691	0.001176116	0.025114564	0.016326468	4.80733E-06	16.61509895	1.83234E-05	0.000214295	0.000196058
2051 Nov	79.36489105	0.094550207	0.086472452	0.002286729	17.61202621	0.032819178	16.31602097	0.000932922	0.000932922	4.79288E-06	0.006800414	0.001176929	0.025240589	0.01627766	4.80985E-06	16.61759567	1.82489E-05	0.000213282	0.000193995
2051 Dec	79.50753784	0.094800785	0.086804643	0.002292455	17.64069748	0.032846544	16.36119461	0.000933164	0.000933164	4.79488E-06	0.006803949	0.001178148	0.025311492	0.016282192	4.81167E-06	16.63073921	1.82628E-05	0.000213369	0.000194116
2052 Jan	79.51316071	0.094818421	0.086806998	0.00229252	17.64193153	0.032850679	16.36260796	0.000933198	0.000933198	4.79507E-06	0.006804505	0.001178227	0.025313113	0.016283212	4.81185E-06	16.63201523	1.82631E-05	0.000213377	0.00019412
2052 Feb	79.52565765	0.094835617	0.086815149	0.002292783	17.64479828	0.032856576	16.36486053	0.000933347	0.000933347	4.79582E-06	0.006805663	0.00117843	0.025316181	0.016286558	4.81261E-06	16.63521385	1.82658E-05	0.000213415	0.00019416
2052 Mar	79.58446503	0.094905406	0.086878374	0.002294453	17.65788269	0.032880563	16.37682343	0.000934032	0.000934032	4.79934E-06	0.006810645	0.001179307	0.025334587	0.016298946	4.81614E-06	16.64773178	1.82792E-05	0.000213576	0.00019431
2052 Apr	79.7101059	0.095055036	0.087015003	0.002298061	17.68577957	0.032932293	16.40260315	0.000935504	0.000935504	4.8069E-06	0.006821368	0.001181172	0.025374411	0.016324868	4.82372E-06	16.67413712	1.8308E-05	0.000213914	0.000194621
2052 May	80.1647644	0.096137233	0.084758393	0.002262496	17.80733681	0.033314772	16.31573868	0.000942831	0.000942831	4.83916E-06	0.006903607	0.001197876	0.025060475	0.016834941	4.85616E-06	17.06863213	1.83761E-05	0.000218319	0.000201053
2052 Jun	81.27623749	0.093456149	0.073555171	0.002050047	18.34046936	0.031799566	15.17284489	0.000946023	0.000946023	4.8371E-06	0.006871161	0.001268172	0.022424178	0.020084577	4.85188E-06	19.24457169	1.86201E-05	0.000247088	0.000258565
2052 Jul	81.68746185	0.090937287	0.072521202	0.002046962	18.24731255	0.031788625	15.11539459	0.000966573	0.000966573	4.94073E-06	0.006976792	0.001290744	0.022451293	0.020382384	4.95358E-06	19.4310894	1.90553E-05	0.000251045	0.000262681
2052 Aug	82.73947144	0.090820938	0.073179312	0.002072575	18.36808968	0.032412488	15.36884975	0.000984735	0.000984735	5.03409E-06	0.007065186	0.001313815	0.022854041	0.020580234	5.04612E-06	19.63056183	1.92042E-05	0.000252991	0.000263967
2052 Sep	82.71364594	0.08994472	0.073114075	0.002071885	18.22775078	0.032826055	15.57781315	0.000985313	0.000985313	5.03866E-06	0.007025147	0.0013134	0.0230968	0.020289253	5.04993E-06	19.45685196	1.88599E-05	0.000249091	0.000257519
2052 Oct	83.83599854	0.091710478	0.075308986	0.002109206	18.37798309	0.033257309	16.08222771	0.000985769	0.000985769	5.04725E-06	0.007036774	0.001320051	0.023761446	0.020146409	5.05733E-06	19.46376991	1.87979E-05	0.000247435	0.000254619
2052 Nov	84.26678467	0.092291243	0.076055489	0.00212334	18.4600029	0.033353969	16.20399475	0.000987799	0.000987799	5.05933E-06	0.007054262	0.001324772	0.023952886	0.020188536	5.06903E-06	19.52239609	1.88582E-05	0.000248027	0.000255333
2052 Dec	84.43192291	0.09253405	0.076409735	0.00212942	18.48973083	0.033377312	16.25739479	0.000988041	0.000988041	5.06151E-06	0.007057601	0.001326207	0.024037909	0.020194029	5.07098E-06	19.53762627	1.88751E-05	0.000248137	0.000255508

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Jan	84.48175812	0.092604406	0.076508686	0.002131135	18.49861336	0.033385456	16.27383614	0.000988127	0.000988127	5.0622E-06	0.00705865	0.001326633	0.02406252	0.020195765	5.07163E-06	19.54240608	1.88797E-05	0.000248168	0.000255556
2053 Feb	84.51318359	0.092640564	0.076545596	0.00213197	18.50499153	0.033395085	16.28115463	0.000988388	0.000988388	5.06359E-06	0.007060597	0.001327062	0.024073392	0.02020159	5.07301E-06	19.54854965	1.88854E-05	0.000248239	0.000255638
2053 Mar	84.59606171	0.092731237	0.076620139	0.002134046	18.52316475	0.033427637	16.29703903	0.000989354	0.000989354	5.06854E-06	0.007067487	0.001328367	0.024096811	0.020221606	5.07796E-06	19.56785011	1.89038E-05	0.000248484	0.000255892
2053 Apr	84.85333252	0.093013152	0.076852873	0.002140528	18.57951164	0.033529181	16.3465538	0.000992361	0.000992361	5.08394E-06	0.007088962	0.001332408	0.024169987	0.020283222	5.09339E-06	19.62743568	1.89613E-05	0.000249241	0.000256673
2053 May	93.23150635	0.098617636	0.083279669	0.002233307	19.94840431	0.033698253	19.0370636	0.000994773	0.000994773	5.10852E-06	0.007131927	0.001403358	0.026354643	0.021612674	5.12225E-06	21.1843586	1.95402E-05	0.000262013	0.00028304
2053 Jun	99.33371735	0.095031835	0.080609582	0.002116013	21.33118248	0.029660659	20.05403137	0.000949793	0.000949793	4.87599E-06	0.006654505	0.001466703	0.025248865	0.025093114	4.8969E-06	23.85249329	1.97567E-05	0.000292657	0.00035954
2053 Jul	100.9245758	0.095917001	0.082927987	0.002176774	21.67932892	0.029953113	20.35219955	0.000970351	0.000970351	4.98616E-06	0.006783887	0.001488631	0.025900798	0.025376869	5.00573E-06	24.12561035	2.03297E-05	0.00029768	0.000364553
2053 Aug	105.3752441	0.10017319	0.087773904	0.002284355	22.50197792	0.031049494	21.4413414	0.001003884	0.001003884	5.1664E-06	0.007032173	0.001547555	0.027468694	0.026167948	5.18444E-06	24.97364044	2.1132E-05	0.000307724	0.000376426
2053 Sep	110.1210938	0.10550978	0.094797865	0.002417451	23.32420349	0.031904716	22.80110168	0.001024548	0.001024548	5.29063E-06	0.007208754	0.001599911	0.02954123	0.026685059	5.30456E-06	25.65908051	2.18047E-05	0.000314838	0.000385723
2053 Oct	112.6800461	0.108264372	0.098811448	0.002487636	23.69688225	0.032216877	23.67983627	0.001029362	0.001029362	5.3273E-06	0.007269728	0.001621496	0.030792089	0.026773451	5.33908E-06	25.9118557	2.20999E-05	0.00031669	0.000388208
2053 Nov	113.1556244	0.108363546	0.099069647	0.002491627	23.71263885	0.032240756	23.9231205	0.001029231	0.001029231	5.32746E-06	0.007278762	0.001622264	0.031012518	0.026710063	5.33989E-06	25.91816902	2.21514E-05	0.000316306	0.000387208
2053 Dec	113.2590637	0.108476073	0.099235177	0.00249447	23.72708321	0.032252423	23.96002769	0.001029365	0.001029365	5.32865E-06	0.007280927	0.001623074	0.031064654	0.02671171	5.341E-06	25.92720604	2.21626E-05	0.00031636	0.000387282
2054 Jan	113.2897415	0.10850165	0.0992717	0.002495109	23.73087692	0.032255717	23.97133255	0.001029418	0.001029418	5.32904E-06	0.007281659	0.001623305	0.03107867	0.026712466	5.34137E-06	25.93021202	2.21661E-05	0.000316379	0.000387304
2054 Feb	113.3088379	0.108516514	0.099285662	0.002495443	23.73431778	0.032259848	23.97621536	0.001029551	0.001029551	5.32973E-06	0.007282647	0.001623542	0.031084105	0.026716208	5.34207E-06	25.93416786	2.21694E-05	0.000316424	0.00038736
2054 Mar	113.3169708	0.108522199	0.099290058	0.002495564	23.73582268	0.032261737	23.97818756	0.001029615	0.001029615	5.33006E-06	0.007283111	0.001623647	0.031086031	0.026718035	5.3424E-06	25.93601227	2.21708E-05	0.000316445	0.000387387
2054 Apr	113.6183929	0.108809963	0.099552915	0.002502176	23.79888725	0.032347355	24.04205894	0.001032349	0.001032349	5.34421E-06	0.007302456	0.001627963	0.031168558	0.026789112	5.35659E-06	26.00502586	2.22298E-05	0.000317286	0.000388418
2054 May	115.1153412	0.108988076	0.099375889	0.002503922	23.99251175	0.032503713	24.49295044	0.001041226	0.001041226	5.3863E-06	0.007372669	0.001643558	0.031415105	0.027091261	5.4014E-06	26.33806038	2.25003E-05	0.000320902	0.000392963
2054 Jun	108.1767578	0.093206212	0.081913486	0.002142199	22.07627869	0.028378332	22.55869865	0.000988949	0.000988949	5.07592E-06	0.007025877	0.001563974	0.027270744	0.026921429	5.10265E-06	25.75966072	2.21201E-05	0.000319145	0.000394953
2054 Jul	100.6435242	0.084455229	0.076827742	0.002066025	20.3821106	0.02738478	20.85041237	0.000976152	0.000976152	5.00695E-06	0.006920656	0.001470733	0.026014522	0.024653155	5.03043E-06	23.66049957	2.18023E-05	0.000298947	0.000356204
2054 Aug	99.68087006	0.082738198	0.076187335	0.00206932	20.01707077	0.028114567	20.82417297	0.000985723	0.000985723	5.05663E-06	0.006943058	0.001463239	0.026290789	0.024018373	5.079E-06	23.18663597	2.1541E-05	0.00029248	0.00034233
2054 Sep	98.92391968	0.082031719	0.075846232	0.002071373	19.7482643	0.028850602	20.87199402	0.000988934	0.000988934	5.07437E-06	0.006931032	0.001453084	0.026585655	0.023418086	5.09599E-06	22.77317238	2.11333E-05	0.000286315	0.000329323
2054 Oct	97.91918182	0.082615443	0.075643405	0.002070457	19.51808929	0.029509144	20.91875267	0.000982784	0.000982784	5.04532E-06	0.006887984	0.00143162	0.02678333	0.022697767	5.06667E-06	22.27056503	2.06319E-05	0.00027828	0.000314968
2054 Nov	97.59658813	0.083099529	0.075748838	0.002074524	19.4629612	0.02980545	20.95605087	0.000980701	0.000980701	5.03627E-06	0.00687429	0.001423283	0.026899764	0.022417441	5.05745E-06	22.07827759	2.04479E-05	0.000275121	0.000309442
2054 Dec	97.82118988	0.083385542	0.076151431	0.002081505	19.49722481	0.029838188	21.03346062	0.000981014	0.000981014	5.03919E-06	0.006878885	0.001425192	0.027020594	0.022421693	5.06007E-06	22.09781456	2.04695E-05	0.000275235	0.000309617
2055 Jan	97.85059357	0.083429061	0.076205008	0.002082428	19.50147057	0.029844593	21.04450798	0.000981036	0.000981036	5.03948E-06	0.006879463	0.001425414	0.027037688	0.022420868	5.06032E-06	22.09963608	2.04712E-05	0.000275233	0.000309611
2055 Feb	97.85163879	0.083431549	0.07620167	0.002082393	19.50167847	0.029846441	21.04470444	0.00098106	0.00098106	5.0396E-06	0.00687965	0.001425441	0.027037656	0.022421326	5.06044E-06	22.10011292	2.04711E-05	0.000275237	0.000309611
2055 Mar	97.87732697	0.083453931	0.076219961	0.002082913	19.50682831	0.029854704	21.05014038	0.000981322	0.000981322	5.04093E-06	0.006881483	0.001425822	0.027044507	0.022427443	5.06178E-06	22.10609436	2.04763E-05	0.00027531	0.000309694
2055 Apr	98.08647919	0.083632305	0.076382428	0.002087354	19.54854774	0.029918417	21.09503746	0.000983417	0.000983417	5.0517E-06	0.006896172	0.001428872	0.027102144	0.022475548	5.07259E-06	22.1534481	2.052E-05	0.0002759	0.000310359
2055 May	99.00919342	0.084423475	0.07711941	0.002107108	19.73071671	0.03019459	21.29664993	0.000992446	0.000992446	5.09823E-06	0.00695975	0.001442178	0.027363876	0.022682173	5.11928E-06	22.35865593	2.07105E-05	0.000278443	0.000313231
2055 Jun	83.45677185	0.069135033	0.066709727	0.001957305	16.29123878	0.028380258	18.26418114	0.000953696	0.000953696	4.89389E-06	0.006773215	0.001208448	0.025171673	0.017133264	4.91331E-06	17.54620743	2.01338E-05	0.000230455	0.00021866
2055 Jul	76.90447235	0.062119614	0.063168429	0.001924856	15.03767586	0.027543904	16.56951523	0.000954096	0.000954096	4.89383E-06	0.006766308	0.001126333	0.024101935	0.015230538	4.91034E-06	15.73207188	2.02882E-05	0.000215692	0.000186728
2055 Aug	78.38282013	0.062784173	0.063935064	0.00196082	15.24745846	0.028273731	16.85521889	0.000980497	0.000980497	5.02873E-06	0.006950341	0.001154715	0.024658896	0.015529393	5.04478E-06	16.03648376	2.07847E-05	0.000220334	0.000189289
2055 Sep	77.59424591	0.061507557	0.062166933	0.001933232	14.95547771	0.028562525	16.64948845	0.000984639	0.000984639	5.048E-06	0.006970976	0.001154731	0.024580942	0.015365326	5.06289E-06	15.88928699	2.0623E-05	0.000218738	0.000184351
2055 Oct	78.2558136	0.062374428	0.062904783	0.001948547	15.03059196	0.028836021	16.87610054	0.000988409	0.000988409	5.07005E-06	0.007007361	0.001162585	0.024941422	0.01538327	5.08416E-06	15.96033001	2.06779E-05	0.000219128	0.000184083
2055 Nov	78.79120636	0.063008294	0.063671723	0.001962479	15.10173225	0.02894843	17.06132317	0.000989826	0.000989826	5.0801E-06	0.007023912	0.001167689	0.025226632	0.015398202	5.09355E-06	16.01284409	2.07301E-05	0.000219447	0.000184386
2055 Dec	79.01451111	0.063270181	0.064046033	0.001968805	15.13205814	0.028974835	17.14156342	0.000989959	0.000989959	5.08217E-06	0.007027401	0.001169513	0.025350401	0.015400121	5.0953E-06	16.03105164	2.07494E-05	0.000219529	0.000184545
2056 Jan	79.03170013	0.063288271	0.06406004	0.001969124	15.13451004	0.028980466	17.14672852	0.000990069	0.000990069	5.08277E-06	0.007028344	0.001169724	0.025357462	0.015402123	5.09589E-06	16.03383827	2.07515E-05	0.000219555	0.000184567
2056 Feb	79.03875732	0.063293383	0.064059913	0.001969194	15.1358242	0.028983589	17.14798927	0.000990162	0.000990162	5.08323E-06	0.007028993	0.00116985	0.02535872	0.015404366	5.09636E-06	16.03591347	2.0753E-05	0.00021958	0.000184594
2056 Mar	79.06744385	0.063316077	0.064080089	0.001969852	15.14130211	0.028994372	17.15406609	0.000990523	0.000990523	5.08507E-06	0.007031552	0.001170287	0.025367383	0.015410431	5.09821E-06	16.04207993	2.07603E-05	0.000219663	0.000184667
2056 Apr	79.26741028	0.06347625	0.064241543	0.001974817	15.17963982	0.029067552	17.19734383	0.000993024	0.000993024	5.09791E-06	0.007049301	0.00117325	0.025431305	0.015449659	5.11108E-06	16.08281708	2.08127E-05	0.00022022	0.000185139
2056 May	80.61920929	0.064502522	0.062383484	0.001936181	15.5776691	0.029111171	17.06394005	0.001000407	0.001000407	5.12703E-06	0.007089367	0.001212266	0.024876548	0.016729541	5.14142E-06	17.02878761	2.08807E-05	0.00023147	0.00020595
2056 Jun	82.86740112	0.067489035	0.055967007	0.001737783	17.03757286	0.026609166	15.33271503	0.000961502	0.000961502	4.90749E-06	0.006686215	0.001323034	0.021239838	0.022053888	4.9207E-06	20.57950401	2.00584E-05	0.000273341	0.000304625
2056 Jul	85.0752182	0.068867117	0.057332989	0.001782661	17.47974777	0.027165042	15.6470108	0.000988466	0.000988466	5.04775E-06	0.006866238	0.001363781	0.021846544	0.022769567	5.05961E-06	21.19000244	2.06744E-05	0.00028196	0.000315629
2056 Aug	86.47525787	0.069025025	0.057459343	0.001799684	17.62311745	0.027758878	15.94121933	0.001008576	0.001008576	5.15127E-06	0.006990781	0.001393583	0.022327181	0.023143848	5.16226E-06	21.53623962	2.09685E-05	0.000285965	0.000319989
2056 Sep	88.43276978	0.070555009	0.058897994	0.001836245	17.89834404	0.028369265	16.48863983	0.001023996	0.001023996	5.23468E-06	0.007104109	0.001420419	0.023123549	0.023428239	5.24471E-06	21.87925529	2.12639E-05	0.000289504	0.000323601
2056 Oct	89.5114212	0.072286867	0.06035779	0.0018554	17.90352058	0.028766332	17.19188118	0.00101694	0.00101694	5.20633E-06	0.007087762	0.001419826	0.023941239	0.023074288	5.21582E-06	21.76945877	2.10811E-05	0.000285064	0.000317357
2056 Nov	90.08534241	0.073077552	0.061085783	0.001867412	17.95520401	0.028922806	17.45801735	0.001016469	0.001016469	5.20703E-06	0.007097013	0.001422799	0.024278946	0.023016939	5.21615E-06	21.78597641	2.10841E-05	0.000284404	0.000316347
2056 Dec	90.25174713	0.073252261	0.061324719	0.001871568	17.97653389	0.028943645	17.51753616	0.001016674	0.001016674	5.20904E-06	0.007100332	0.001424215	0.024368685	0.02302048	5.21795E-06	21.80114365	2.11004E-05	0.000284487	0.000316488
2057 Jan	90.26334381	0.073263742	0.061326958	0.001871695	17.97841454	0.028948585	17.52066422	0.001016783	0.001016783	5.20959E-06	0.007101205	0.001424374	0.024371726	0.023022788	5.21851E-06	21.80371284	2.11022E-05	0.000284512	0.000316512
2057 Feb	90.27052307	0.073269844	0.061327554	0.001871758	17.97971916	0.028951293	17.52227592	0.001016853	0.001016853	5.20994E-06	0.007101725	0.001424483	0.024373068	0.023024786	5.21887E-06	21.80564499	2.11034E-05	0.000284532	0.000316537
2057 Mar	90.33146667	0.073319413	0.061368067	0.001872999	17.99188995	0.028970724	17.53403664	0.001017535	0.001017535	5.21342E-06	0.007106481	0.001425448	0.024389252	0.023040568	5.22236E-06	21.82052803	2.11175E-05	0.000284726	0.000316755
2057 Apr	90.57398987	0.073516309	0.061532561	0.001878019	18.0402298	0.029048387	17.58104134	0.001020264	0.001020264	5.22741E-06	0.007125536	0.001429277	0.02445459	0.023102589	5.23637E-06	21.87921524	2.11741E-05	0.000285491	0.000317609
2057 May	91.74506378	0.074477598	0.061645553	0.001888012	18.25158119	0.029445214	17.83249283	0.001031529	0.001031529	5.2832E-06	0.007209666	0.001447509	0.024665369	0.023444882	5.29317E-06	22.20355988	2.13788E-05	0.000289104	0.000322137
2057 Jun	85.37692261	0.068597838	0.053754348	0.001704526	17.146492	0.027003147	15.95742416	0.00097849	0.00097849	4.99193E-06	0.006874562	0.00136869	0.02167948	0.022924077	5.0059E-06	21.37575722	2.05999E-05	0.000281382	0.000317381
2057 Jul	84.55381012	0.067049123	0.054317005	0.00173651	16.88254547	0.027057199	15.80653858	0.000993408	0.000993408	5.07158E-06	0.006996418	0.001356866	0.022040946	0.022305861	5.08366E-06	20.88237572	2.10997E-05	0.000278628	0.000306369
2057 Aug	89.1284256	0.070639163	0.057670344	0.001831303	17.70948219	0.028379027	16.79702568	0.001039833	0.001039833	5.3139E-06	0.007330388	0.001425617	0.023506826	0.023316341	5.32507E-06	21.88551903	2.21327E-05	0.000291548	0.000320613
2057 Sep	91.44844055	0.072148234	0.05968187	0.001876004	17.92653084	0.028842915	17.58351517	0.001052574	0.001052574	5.38927E-06	0.007446046	0.001450751	0.024734285	0.02341787	5.39811E-06	22.13981247	2.25324E-05	0.000294082	0.00032214
2057 Oct	93.00600433	0.072990842	0.061019376	0.001898464	17.91563225	0.029003363	18.37246704	0.001051729	0.001051729	5.3958E-06	0.007480362	0.001457597	0.025846062	0.023152513	5.40288E-06	22.11147308	2.269E-05	0.000292258	0.00031833
2057 Nov	93.50090027	0.073354296	0.061466657	0.001907386	17.96042061	0.029082701	18.55420494	0.001053379	0.001053379	5.40657E-06	0.007498925	0.001462125	0.026109055	0.023162454	5.41321E-06	22.15898895	2.276E-05	0.000292595	0.000318565
2057 Dec	93.62679291	0.073455624	0.061603341	0.001909899	17.97369194	0.029097503	18.59832191	0.001053665	0.001053665	5.40874E-06	0.007502407	0.001463322	0.026177164	0.023167439	5.41522E-06	22.17210388	2.27758E-05	0.000292695	0.000318702
2058 Jan	93.66736603	0.073484696	0.061645105	0.001910595	17.97652817	0.029100498	18.61483383	0.001053668	0.001053668	5.40901E-06	0.007503053	0.00146362	0.026201289	0.023166377	5.41544E-06	22.17477036	2.27797E-05	0.000292699	0.000318709
2058 Feb	93.67935181	0.073491625	0.061652638	0.001910747	17.97756958	0.029102053	18.6192379	0.001053703	0.001053703	5.40924E-06	0.007503444	0.001463729	0.026206922	0.023166997	5.41565E-06	22.17620087	2.27812E-05	0.000292709	0.000318721
2058 Mar	93.70191193	0.073508799	0.061667815	0.001911177	17.98152542	0.02910815	18.62432098	0.001053918	0.001053918	5.41036E-06	0.007505018	0.001464058	0.02621402	0.023171909	5.41677E-06	22.18113327	2.27862E-05	0.000292771	0.000318792
2058 Apr	93.85728455	0.073630735	0.061769877	0.001914338	18.01136971	0.029156309	18.65514946	0.001055662	0.001055662	5.41932E-06	0.007517437	0.001466487	0.026257373	0.02321046	5.42574E-06	22.21799469	2.28239E-05	0.000293258	0.000319323
2058 May	101.8305283	0.077698946	0.06586533	0.001967614	18.91072845	0.029106814	21.5583725	0.001053336	0.001053336	5.42051E-06	0.007558456	0.001526152	0.028678127	0.024215097	5.43289E-06	23.57741928	2.34392E-05	0.000303095	0.000340666
2058 Jun	109.6188812	0.080382243	0.067871504	0.001887556	20.24221802	0.02555513	24.37441063	0.000955742	0.000955742	4.9307E-06	0.006799996	0.001551857	0.028984154	0.026592599	4.95767E-06	25.80013466	2.2461E-05	0.000316964	0.000400485
2058 Jul	109.8339081	0.080844536	0.069667354	0.001942126	20.41923523	0.025997909	24.31801987	0.000972353	0.000972353	5.02185E-06	0.006887925	0.001557707	0.029448006	0.026497267	5.04628E-06	25.7118206	2.27626E-05	0.000317602	0.000398521
2058 Aug	112.371582	0.082091212	0.070918866	0.001983951	20.74774742	0.026700731	24.94672203	0.000998151	0.000998151	5.15788E-06	0.007074585	0.001596573	0.030402634	0.026975563	5.18124E-06	26.22043419	2.33371E-05	0.000324001	0.000404986
2058 Sep	111.3274765	0.081065089	0.069217712	0.001957926	20.30222321	0.027085993	24.92899704	0.000997835	0.000997835	5.15668E-06	0.007095888	0.001582831	0.030566353	0.026357276	5.1792E-06	25.77858925	2.31345E-05	0.000318046	0.000392158
2058 Oct	111.4004974	0.082141392	0.06941957	0.001961965	20.10648346	0.027576702	25.30120087	0.000994702	0.000994702	5.14604E-06	0.007122148	0.001574452	0.031159248	0.025810538	5.16746E-06	25.47159576	2.2998E-05	0.000312543	0.00038142
2058 Nov	111.752594	0.08256761	0.069737129	0.001968696	20.13624001	0.027695054	25.44622993	0.000995981	0.000995981	5.15417E-06	0.007139449	0.001577243	0.031360958	0.025793694	5.17535E-06	25.49372864	2.30341E-05	0.000312485	0.000380962
2058 Dec	111.8165588	0.082620509	0.069794081	0.001969759	20.14147186	0.027704841	25.4701786	0.000996105	0.000996105	5.15519E-06	0.007141347	0.001577833	0.031398002	0.025794534	5.17629E-06	25.49959183	2.30412E-05	0.000312516	0.000380995
2059 Jan	111.8307419	0.08263398	0.069803186	0.001969917	20.14174843	0.027707933	25.47668076	0.000996106	0.000996106	5.1553E-06	0.007141747	0.001577934	0.031407788	0.025793232	5.17637E-06	25.50009346	2.30421E-05	0.000312506	0.000380974
2059 Feb	111.8335342	0.082637027	0.069800645	0.001969904	20.14214325	0.027709685	25.47735596	0.000996143	0.000996143	5.15547E-06	0.00714206	0.001577981	0.031408057	0.025794085	5.17655E-06	25.50096321	2.30425E-05	0.000312515	0.000380982
2059 Mar	111.8349609	0.082638614	0.069799133	0.001969895	20.14234543	0.027710641	25.47769547	0.000996163	0.000996163	5.15557E-06	0.007142228	0.001578005	0.031408157	0.025794536	5.17665E-06	25.50142097	2.30428E-05	0.000312519	0.000380985
2059 Apr	112.0553131	0.082801655	0.069935821	0.001973762	20.18203735	0.027765399	25.52786255	0.000998128	0.000998128	5.16573E-06	0.007156319	0.001581117	0.031469885	0.025845477	5.18685E-06	25.55175591	2.30881E-05	0.000313136	0.000381737
2059 May	113.2036972	0.083888181	0.069250971	0.001964265	20.33815956	0.028094187	25.80411911	0.001005059	0.001005059	5.19749E-06	0.007225313	0.001598493	0.031551708	0.026249152	5.22044E-06	25.93403625	2.32132E-05	0.000316863	0.000387206
2059 Jun	111.3436279	0.083664365	0.062692359	0.001820749	20.28448105	0.027493753	24.53354263	0.000990353	0.000990353	5.09644E-06	0.007132879	0.001609101	0.029081907	0.02763642	5.12382E-06	26.72990417	2.26869E-05	0.000326432	0.000409057
2059 Jul	115.8395615	0.086818464	0.065043665	0.001892806	21.08123207	0.028579351	25.47335434	0.001032566	0.001032566	5.31485E-06	0.007438098	0.001677527	0.030310435	0.028798215	5.34228E-06	27.83204079	2.3675E-05	0.000340388	0.000426397
2059 Aug	120.4633408	0.090166472	0.067797385	0.001968156	21.85720253	0.029660176	26.5721283	0.001070082	0.001070082	5.51193E-06	0.007712066	0.001742424	0.03172832	0.029819744	5.53915E-06	28.85990334	2.45585E-05	0.000352634	0.000441783
2059 Sep	121.3202438	0.090555564	0.067394435	0.001969577	21.88684654	0.030042946	26.82277107	0.001080158	0.001080158	5.56492E-06	0.007799139	0.001756665	0.032134529	0.029942401	5.59154E-06	29.02430344	2.47477E-05	0.000354556	0.000442533
2059 Oct	115.7468643	0.089702152	0.062068786	0.001863976	20.69945717	0.030406276	25.84318352	0.001048168	0.001048168	5.39415E-06	0.00768231	0.001676085	0.031012293	0.028117485	5.4212E-06	27.5027771	2.36637E-05	0.000333945	0.00040716
2059 Nov	115.5778046	0.090530217	0.062087618	0.001864202	20.62067795	0.030645978	25.92597008	0.001045478	0.001045478	5.38274E-06	0.007692527	0.001670099	0.031194242	0.027864322	5.40909E-06	27.34314728	2.35749E-05	0.000331213	0.000402144

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Dec	115.6862106	0.090633258	0.062213875	0.001866382	20.63049507	0.030659212	25.96854973	0.001045518	0.001045518	5.38369E-06	0.007694588	0.001670944	0.031260431	0.027862007	5.40987E-06	27.35046387	2.35847E-05	0.000331222	0.000402165
2060 Jan	115.6937027	0.09064652	0.062214188	0.001866469	20.63176155	0.030664109	25.97053909	0.001045606	0.001045606	5.38413E-06	0.00769543	0.001671051	0.031262632	0.027863357	5.41031E-06	27.35211754	2.3586E-05	0.000331237	0.000402172
2060 Feb	115.70298	0.090656742	0.0622156	0.001866572	20.63352013	0.030667884	25.97241783	0.001045705	0.001045705	5.38463E-06	0.007696228	0.001671199	0.031264525	0.027866038	5.41082E-06	27.3546772	2.35879E-05	0.000331266	0.000402205
2060 Mar	115.7423019	0.090688042	0.062236018	0.001867192	20.64061356	0.03067838	25.98110008	0.001046061	0.001046061	5.38646E-06	0.007698846	0.001671773	0.031274877	0.027875792	5.41266E-06	27.36416245	2.35958E-05	0.000331381	0.000402346
2060 Apr	116.064621	0.090940528	0.062409401	0.001872384	20.69804001	0.030763563	26.05350494	0.001048965	0.001048965	5.40142E-06	0.007720227	0.001676427	0.031362135	0.027953381	5.42769E-06	27.44033623	2.36614E-05	0.000332303	0.000403467
2060 May	115.8186417	0.092185766	0.060079571	0.001817428	20.76216698	0.030649124	25.74430466	0.001039935	0.001039935	5.34737E-06	0.007687951	0.001682888	0.030571472	0.028548116	5.37523E-06	27.83654594	2.34298E-05	0.000336019	0.000412967
2060 Jun	108.6671448	0.087827578	0.056676473	0.001704533	20.65040398	0.027803017	22.3385601	0.000984774	0.000984774	5.05439E-06	0.007110409	0.001636992	0.026562128	0.029550573	5.07669E-06	27.74256325	2.20421E-05	0.00033997	0.000438568
2060 Jul	112.4811859	0.090690613	0.059278447	0.001781905	21.41571236	0.028811092	23.06703758	0.00102415	0.00102415	5.2595E-06	0.007378173	0.001696318	0.027657945	0.030556278	5.28115E-06	28.67310715	2.29256E-05	0.000352232	0.000453769
2060 Aug	113.0516052	0.090081766	0.05871268	0.001787832	21.40177536	0.02939371	23.16441345	0.001042095	0.001042095	5.35095E-06	0.007481982	0.001713661	0.028020272	0.030660907	5.37164E-06	28.79879761	2.3088E-05	0.000354552	0.000453129
2060 Sep	106.2268677	0.083846129	0.054025061	0.001699915	19.87332726	0.029892206	21.95292664	0.001015443	0.001015443	5.21078E-06	0.007205576	0.001622076	0.027242575	0.028193697	5.22932E-06	26.7688427	2.13376E-05	0.000330155	0.000406233
2060 Oct	105.876091	0.084975086	0.054440185	0.001706457	19.5526123	0.030610554	22.43302345	0.001005788	0.001005788	5.17078E-06	0.007178597	0.00159965	0.028113473	0.027183309	5.18751E-06	26.15500069	2.08877E-05	0.000320098	0.000387289
2060 Nov	105.8629074	0.085654967	0.054657612	0.001709827	19.45270348	0.030884912	22.66763878	0.001001911	0.001001911	5.15398E-06	0.007175004	0.001591065	0.028440239	0.026812483	5.17055E-06	25.94169807	2.07493E-05	0.000316301	0.000380331
2060 Dec	106.1060791	0.085841864	0.054905638	0.001714182	19.47393608	0.030909894	22.7609787	0.001002106	0.001002106	5.15656E-06	0.007179488	0.00159308	0.028583264	0.026812611	5.17277E-06	25.96151543	2.07727E-05	0.000316382	0.000380474
2061 Jan	106.1589661	0.085885718	0.054960072	0.001715109	19.4777298	0.030916145	22.78307533	0.001002098	0.001002098	5.15689E-06	0.007180263	0.001593451	0.028616587	0.026810173	5.17301E-06	25.96441078	2.07766E-05	0.000316372	0.000380463
2061 Feb	106.1677475	0.085894369	0.054965395	0.001715217	19.47849083	0.030918451	22.7865715	0.001002116	0.001002116	5.15702E-06	0.007180535	0.001593524	0.028621238	0.026810246	5.17314E-06	25.96529388	2.07771E-05	0.000316374	0.000380462
2061 Mar	106.1883469	0.085911766	0.054974783	0.001715522	19.48205948	0.030924788	22.7913456	0.0010023	0.0010023	5.15797E-06	0.007181895	0.001593823	0.028627155	0.026815053	5.17409E-06	25.97013664	2.07808E-05	0.000316431	0.000380529
2061 Apr	106.4718246	0.086141385	0.055120938	0.001720091	19.53409386	0.03100745	22.85214424	0.001004976	0.001004976	5.17174E-06	0.007201071	0.00159808	0.028703425	0.026886759	5.18791E-06	26.0395565	2.08362E-05	0.000317276	0.000381546
2061 May	109.435463	0.087769985	0.055814169	0.00172214	20.00014496	0.03073311	23.74102402	0.001000436	0.001000436	5.1515E-06	0.007169726	0.001625014	0.029207103	0.027696501	5.17058E-06	26.81501389	2.10005E-05	0.000324069	0.000398068
2061 Jun	106.3964844	0.084513344	0.058767308	0.001729256	20.15287971	0.027588667	22.69409943	0.000937215	0.000937215	4.8451E-06	0.006571534	0.001565717	0.027961563	0.027603874	4.86067E-06	26.31591034	2.0257E-05	0.000318825	0.000411817
2061 Jul	109.6123886	0.086356565	0.060823552	0.001794688	20.72072411	0.028388467	23.34793663	0.000972651	0.000972651	5.03065E-06	0.006816917	0.00161582	0.029012054	0.028365958	5.04517E-06	27.04062843	2.1106E-05	0.000328818	0.000423275
2061 Aug	114.0447006	0.089515366	0.063308701	0.00186449	21.45534134	0.029443081	24.40341759	0.001007946	0.001007946	5.21791E-06	0.007069905	0.001678703	0.030442439	0.029346781	5.23149E-06	28.02645683	2.19109E-05	0.000340436	0.000438212
2061 Sep	115.3858414	0.089470081	0.063349888	0.001872623	21.44193649	0.029705551	24.91423798	0.001017385	0.001017385	5.27193E-06	0.007154154	0.001695179	0.031227566	0.029375408	5.28402E-06	28.16461182	2.21842E-05	0.000341778	0.000438242
2061 Oct	112.5634842	0.08733812	0.059776586	0.001799722	20.29313469	0.029746177	25.09928322	0.000994222	0.000994222	5.15162E-06	0.00710891	0.001634233	0.03126286	0.027566332	5.16605E-06	26.8728199	2.17152E-05	0.000323219	0.000405125
2061 Nov	112.0446243	0.087721556	0.059195019	0.00178771	20.00700378	0.029975636	25.30188942	0.00098781	0.00098781	5.12001E-06	0.007117775	0.001617209	0.031476181	0.026974894	5.13492E-06	26.48868942	2.15858E-05	0.000317103	0.000393942
2061 Dec	112.2113647	0.08784157	0.05934358	0.001790344	20.01945114	0.02999256	25.36732101	0.000987949	0.000987949	5.12179E-06	0.007121278	0.001618576	0.031574886	0.026974007	5.13647E-06	26.50188828	2.16031E-05	0.000317148	0.000394019
2062 Jan	112.2986984	0.087902978	0.059421863	0.00179169	20.02553368	0.03000013	25.4023304	0.000987976	0.000987976	5.12252E-06	0.00712282	0.001619261	0.031627476	0.02697272	5.13705E-06	26.50828743	2.16115E-05	0.000317161	0.000394052
2062 Feb	112.322403	0.08791972	0.059434839	0.001791977	20.02794266	0.03000412	25.41021729	0.000988065	0.000988065	5.12307E-06	0.00712373	0.001619517	0.031638503	0.026975032	5.13759E-06	26.51178741	2.16147E-05	0.000317192	0.000394092
2062 Mar	112.4130554	0.087990843	0.059482612	0.001793399	20.04379082	0.030027952	25.43118858	0.000988839	0.000988839	5.12709E-06	0.007129367	0.001620808	0.031664692	0.026996249	5.14162E-06	26.53285217	2.16318E-05	0.000317441	0.000394403
2062 Apr	112.7308502	0.08823967	0.059650578	0.001798462	20.10051155	0.030112747	25.50297928	0.000991633	0.000991633	5.14158E-06	0.007149505	0.001625394	0.031754036	0.027072763	5.15615E-06	26.60798264	2.1693E-05	0.00031834	0.000395522
2062 May	113.6402283	0.088946283	0.060134098	0.001812896	20.26071167	0.030351931	25.7111702	0.000999496	0.000999496	5.18246E-06	0.007206391	0.001638423	0.032015517	0.027287649	5.19712E-06	26.82034683	2.18665E-05	0.000320871	0.000398675
2062 Jun	95.00214386	0.071707889	0.050551433	0.001667846	16.42541313	0.028199162	21.50405693	0.000968613	0.000968613	4.99315E-06	0.007115217	0.001385471	0.028126908	0.021340175	5.00978E-06	21.46065712	2.15017E-05	0.000269992	0.000293303
2062 Jul	84.84738922	0.06118203	0.047390737	0.001638931	14.44687557	0.026925463	19.06498146	0.00096187	0.00096187	4.95131E-06	0.007077171	0.001252495	0.026470616	0.018006604	4.96455E-06	18.40568924	2.15466E-05	0.000242949	0.000236055
2062 Aug	83.40752411	0.057997361	0.045567617	0.00161882	13.94518185	0.027403895	18.81513214	0.000971947	0.000971947	5.00033E-06	0.007090813	0.001246929	0.026433708	0.017480342	5.01232E-06	19.07241389	2.12955E-05	0.000237328	0.000224059
2062 Sep	83.22141266	0.05834908	0.045254294	0.00161189	13.74040127	0.028252378	19.15904045	0.000965819	0.000965819	4.97383E-06	0.007018648	0.00123822	0.026972763	0.016913928	4.98486E-06	17.63507462	2.06062E-05	0.000230147	0.000212007
2062 Oct	83.51556396	0.069837071	0.04805816	0.001652376	14.1278553	0.030998159	20.28804398	0.000922691	0.000922691	4.7788E-06	0.006804467	0.001192435	0.028487368	0.015495045	4.78763E-06	16.88399124	1.86888E-05	0.000207629	0.000184296
2062 Nov	83.91179657	0.071174115	0.048117023	0.001655844	14.19888973	0.031353533	20.43979454	0.000924163	0.000924163	4.78766E-06	0.00683867	0.001196097	0.02868386	0.015505326	4.7963E-06	16.93910027	1.86727E-05	0.000207378	0.000183526
2062 Dec	84.10246277	0.071300447	0.048253957	0.001658278	14.21261787	0.031371776	20.51183128	0.000924341	0.000924341	4.78981E-06	0.006842742	0.00119783	0.028795309	0.015509622	4.79814E-06	16.9576416	1.86922E-05	0.000207477	0.000183704
2063 Jan	84.17433929	0.071353517	0.048308317	0.001659218	14.21833897	0.031378936	20.53901672	0.000924387	0.000924387	4.7905E-06	0.006844169	0.001198464	0.028836047	0.015511476	4.79872E-06	16.96483994	1.8699E-05	0.000207513	0.000183774
2063 Feb	84.19286346	0.071369886	0.048318096	0.001659449	14.2205658	0.031383052	20.54481125	0.00092447	0.00092447	4.79099E-06	0.006844998	0.001198679	0.028844144	0.015513755	4.7992E-06	16.96790123	1.87014E-05	0.00020754	0.000183809
2063 Mar	84.20850372	0.071384728	0.048325267	0.001659723	14.2233057	0.031389218	20.54843521	0.000924642	0.000924642	4.79188E-06	0.006846306	0.00119891	0.028848961	0.01551709	4.80009E-06	16.97138214	1.87047E-05	0.000207581	0.000183849
2063 Apr	84.33811951	0.071495153	0.048398953	0.001662262	14.24525547	0.031437591	20.57954415	0.000926065	0.000926065	4.79925E-06	0.006856847	0.00120076	0.0288931	0.015541214	4.80747E-06	16.99766731	1.87335E-05	0.000207903	0.000184135
2063 May	85.82138824	0.073686533	0.047766726	0.001647429	14.78532219	0.031508531	20.40895653	0.000934601	0.000934601	4.83521E-06	0.006915122	0.001239486	0.028337963	0.016867157	4.84456E-06	17.96562004	1.89124E-05	0.000219758	0.000206121
2063 Jun	85.7555542	0.07071691	0.047888104	0.001561271	16.76970482	0.025928454	16.87461472	0.000898429	0.000898429	4.63202E-06	0.006365035	0.0013367	0.023325535	0.022682432	4.63505E-06	21.33507156	1.91362E-05	0.000271994	0.000324633
2063 Jul	83.95779419	0.066965766	0.048926998	0.00159838	16.26681709	0.025481919	16.64579391	0.00090515	0.00090515	4.67362E-06	0.00640396	0.001303841	0.023752328	0.021502288	4.67389E-06	20.37384605	1.9554E-05	0.000264288	0.000306045
2063 Aug	87.09564972	0.06872645	0.0503616	0.001650422	16.71764946	0.026393093	17.39220238	0.000937836	0.000937836	4.84581E-06	0.006640834	0.001351461	0.02491002	0.022125188	4.84481E-06	21.02445412	2.02795E-05	0.000272635	0.000314573
2063 Sep	87.60646057	0.067167573	0.049126364	0.001638763	16.41101265	0.026737584	17.79126549	0.000948425	0.000948425	4.90297E-06	0.006728017	0.001358131	0.025606949	0.021815402	4.90086E-06	20.90148163	2.04487E-05	0.00027123	0.000307573
2063 Oct	88.46912384	0.067150377	0.048783891	0.001630113	16.10631943	0.027059035	18.63139343	0.000943488	0.000943488	4.88358E-06	0.006742791	0.001351103	0.026548391	0.021189772	4.88203E-06	20.63522339	2.03653E-05	0.000265412	0.000296108
2063 Nov	88.95085907	0.067422435	0.048931304	0.001633459	16.09779739	0.027176388	18.87446213	0.000944215	0.000944215	4.88968E-06	0.006760061	0.001353848	0.026859831	0.021126892	4.8879E-06	20.64507294	2.04023E-05	0.000264968	0.000294911
2063 Dec	89.12540436	0.067519128	0.049044523	0.001635704	16.11116219	0.027196061	18.93849373	0.000944615	0.000944615	4.89271E-06	0.006764892	0.001355514	0.02695608	0.021133693	4.8907E-06	20.6639328	2.04235E-05	0.000265102	0.000295097
2064 Jan	89.2325058	0.06757497	0.049119882	0.001637005	16.11752319	0.027203318	18.9813118	0.000944658	0.000944658	4.89363E-06	0.006766594	0.001356386	0.027019499	0.021133544	4.89145E-06	20.67280579	2.04338E-05	0.000265133	0.000295165
2064 Feb	89.26966858	0.067596085	0.049141217	0.001637467	16.1209507	0.027208535	18.99413109	0.000944786	0.000944786	4.89445E-06	0.006767849	0.001356769	0.027037753	0.021136414	4.89224E-06	20.67777443	2.04387E-05	0.000265176	0.000295221
2064 Mar	89.35508728	0.067659475	0.04918766	0.001638984	16.13592148	0.02723345	19.01286697	0.000945648	0.000945648	4.89894E-06	0.006774066	0.001358048	0.027064513	0.021156063	4.89672E-06	20.69720459	2.04577E-05	0.000265422	0.0002955
2064 Apr	89.50461578	0.067772597	0.049269777	0.001641716	16.16291046	0.02727879	19.04467773	0.000947224	0.000947224	4.9071E-06	0.006785353	0.00136032	0.027109781	0.021191539	4.90488E-06	20.73188591	2.04918E-05	0.000265866	0.000295996
2064 May	94.20405579	0.069691248	0.049355425	0.001631384	16.74039268	0.027186435	20.40847588	0.000951485	0.000951485	4.92736E-06	0.006827737	0.001413538	0.027843973	0.022525098	4.93019E-06	22.02336502	2.0855E-05	0.000278117	0.000320164
2064 Jun	100.7650986	0.072135471	0.050326906	0.001581567	18.29027557	0.024932174	21.52569008	0.000917234	0.000917234	4.74712E-06	0.00646399	0.001497679	0.027159369	0.026073813	4.75811E-06	24.81089973	2.06926E-05	0.000306608	0.000391865
2064 Jul	101.9584656	0.071837105	0.050038915	0.001597111	18.42608643	0.025378969	21.61657715	0.000943741	0.000943741	4.88066E-06	0.006646352	0.001528876	0.027456721	0.026547087	4.89085E-06	25.19524002	2.12609E-05	0.000312954	0.00039784
2064 Aug	102.3396683	0.070561625	0.049277965	0.00159745	18.26631355	0.02590419	21.81030655	0.0009593	0.0009593	4.96001E-06	0.006732551	0.001542861	0.0278251	0.0264834	4.96951E-06	25.1884861	2.13762E-05	0.000312424	0.000394444
2064 Sep	101.6425552	0.06870009	0.047787216	0.001574555	17.56106949	0.026920641	22.47318459	0.000954013	0.000954013	4.93916E-06	0.006674904	0.001519859	0.028804351	0.025165694	4.94806E-06	24.37817955	2.06267E-05	0.000298407	0.000368338
2064 Oct	103.7985229	0.070126772	0.048782118	0.00159569	17.57368088	0.027514478	23.54305649	0.00095622	0.00095622	4.96373E-06	0.006729973	0.001532781	0.030280791	0.024885949	4.97049E-06	24.41497421	2.06991E-05	0.000296059	0.000363274
2064 Nov	104.6126556	0.070538417	0.049271233	0.00160572	17.64533424	0.027598187	23.82257462	0.000958486	0.000958486	4.97969E-06	0.006753061	0.001541277	0.030705476	0.024947092	4.98537E-06	24.52028847	2.08042E-05	0.000296967	0.000364655
2064 Dec	104.7247238	0.070595466	0.049340319	0.00160706	17.6538353	0.027608652	23.86348915	0.000958702	0.000958702	4.98145E-06	0.006755764	0.001542354	0.030767405	0.024952196	4.98697E-06	24.53278542	2.08172E-05	0.000297056	0.000364798
2065 Jan	104.7989807	0.070631817	0.049388189	0.001607888	17.65783691	0.027613832	23.89380836	0.000958719	0.000958719	4.98203E-06	0.006756833	0.001542939	0.030811792	0.024951573	4.98744E-06	24.53868484	2.08239E-05	0.000297071	0.000364837
2065 Feb	104.8341064	0.070650719	0.049406569	0.0016083	17.66121864	0.027618814	23.9056797	0.000958846	0.000958846	4.98282E-06	0.006757997	0.001543312	0.030828433	0.024954848	4.98821E-06	24.54373741	2.08284E-05	0.000297115	0.000364899
2065 Mar	104.941658	0.070723027	0.049457107	0.001609936	17.67926979	0.027646832	23.93027115	0.000959819	0.000959819	4.98789E-06	0.006764862	0.001544893	0.030860206	0.024980409	4.99327E-06	24.56889153	2.08496E-05	0.000297419	0.000365274
2065 Apr	105.2514114	0.070931859	0.049602997	0.001614684	17.73148918	0.027728382	24.00084305	0.000962651	0.000962651	5.0026E-06	0.00678482	0.001549455	0.030951189	0.025054254	5.00801E-06	24.64147758	2.09111E-05	0.000298298	0.000366354
2065 May	109.8213272	0.072942115	0.049340721	0.001610857	18.00356483	0.028301783	25.85554123	0.000969913	0.000969913	5.03992E-06	0.006884012	0.001584284	0.032302812	0.025544778	5.05225E-06	25.43503952	2.1224E-05	0.000302925	0.000373901
2065 Jun	107.255806	0.072209992	0.048778322	0.001569062	18.36179543	0.026384491	24.37620926	0.000938232	0.000938232	4.86263E-06	0.006591395	0.001558082	0.029811827	0.026455428	4.87955E-06	25.73385429	2.08336E-05	0.000309247	0.000395488
2065 Jul	110.593895	0.074108221	0.051323667	0.001647603	18.92679024	0.027247658	25.1461525	0.000974597	0.000974597	5.05755E-06	0.006847905	0.001605313	0.031195723	0.027023837	5.07221E-06	26.33761597	2.17472E-05	0.000317954	0.000404059
2065 Aug	114.3361053	0.075767577	0.052477162	0.001693967	19.38059044	0.028169213	26.13103676	0.001007716	0.001007716	5.23333E-06	0.007089717	0.001658895	0.032586064	0.027726211	5.24682E-06	27.10101318	2.25043E-05	0.000327135	0.000414104
2065 Sep	110.8414688	0.073271334	0.048489273	0.001620336	18.27113342	0.028431786	25.84307098	0.000992255	0.000992255	5.14931E-06	0.007061921	0.001601474	0.032309759	0.026072629	5.16388E-06	25.8559742	2.19521E-05	0.000311187	0.000382216
2065 Oct	106.0971985	0.077706896	0.045101471	0.001555079	16.99571037	0.030175209	25.92637444	0.000954387	0.000954387	4.95619E-06	0.007059389	0.001495746	0.032430183	0.023041587	4.97284E-06	23.72533035	2.07496E-05	0.000278479	0.000322722
2065 Nov	105.939682	0.079448126	0.045063119	0.001558492	16.91592789	0.030723168	26.12777519	0.000951766	0.000951766	4.94595E-06	0.007092439	0.001484672	0.032754418	0.022602143	4.96238E-06	23.46277046	2.06261E-05	0.000273671	0.000313721
2065 Dec	106.0125046	0.079498671	0.04509332	0.001559125	16.91932487	0.030734919	26.15702629	0.000951879	0.000951879	4.94699E-06	0.007094798	0.001485314	0.032798864	0.022601776	4.96331E-06	23.46902847	2.0634E-05	0.000273689	0.000313733
2066 Jan	106.1281357	0.079560727	0.045161717	0.001560329	16.92569351	0.03074369	26.20315742	0.000951926	0.000951926	4.94802E-06	0.007096897	0.001486278	0.032868773	0.022601809	4.96414E-06	23.47879982	2.06454E-05	0.000273723	0.000313809
2066 Feb	106.1745605	0.07959339	0.045182027	0.001560923	16.93186378	0.030754356	26.21630859	0.000952231	0.000952231	4.94968E-06	0.007099366	0.001486866	0.032886405	0.022609517	4.96579E-06	23.48768044	2.06531E-05	0.000273818	0.000313925
2066 Mar	106.3388443	0.07971672	0.045251735	0.001563328	16.9581852	0.030801751	26.25667	0.000953701	0.000953701	4.95733E-06	0.007110318	0.001489174	0.032936953	0.022644872	4.97346E-06	23.52424812	2.0685E-05	0.000274245	0.000314418
2066 Apr	106.5534515	0.079877704	0.045342941	0.001566477	16.99247742	0.030863805	26.3095417	0.000955625	0.000955625	4.96732E-06	0.007124649	0.001492183	0.033003233	0.022690782	4.98349E-06	23.57185364	2.07267E-05	0.0002748	0.000315056
2066 May	107.2367249	0.080705799	0.045382138	0.001573222	17.12295914	0.03115597	26.43668175	0.000963466	0.000963466	5.00606E-06	0.007189372	0.001503629	0.033117529	0.022909798	5.0228E-06	23.77595901	2.08757E-05	0.000277193	0.000317758
2066 Jun	93.60267639	0.071014203	0.04228536	0.001506238	15.81309032	0.028077319	21.50376129	0.000929225	0.000929225	4.80653E-06	0.006872788	0.001365278	0.028188253	0.021200661	4.81868E-06	21.34490967	2.0399E-05	0.000262506	0.000293033
2066 Jul	94.15281677	0.068865158	0.04351265	0.001569173	15.7364645	0.028415183	21.56861305	0.000967172	0.000967172	5.00706E-06	0.007140501	0.001380369	0.029137623	0.020889845	5.01533E-06	21.12695885	2.14609E-05	0.000264928	0.000286578
2066 Aug	97.31192017	0.069991991	0.044416744	0.001612966	16.06352234	0.029312305	22.43187904	0.001000063	0.001000063	5.18134E-06	0.007384488	0.001426532	0.03044845	0.021382174	5.1882E-06	21.70328331	2.22136E-05	0.000272144	0.000292843
2066 Sep	97.74884033	0.068842649	0.043389827	0.001601903	15.7863121	0.029587492	22.85625458	0.001006165	0.001006165	5.2149E-06	0.00744323	0.001428518	0.031027451	0.021053083	5.22161E-06	21.55953598	2.23157E-05	0.000269691	0.00028599
2066 Oct	98.13101959	0.068429917	0.042215027	0.001576893	15.32213879	0.029866602	23.66334724	0.000997276	0.000997276	5.17481E-06	0.007440467	0.001414092	0.031867772	0.020260867	5.18232E-06	21.15470505	2.21431E-05	0.000261525	0.000271591

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Nov	98.50465393	0.068799227	0.042050324	0.001572642	15.23906136	0.030014355	23.98996544	0.000994601	0.000994601	5.16296E-06	0.00744586	0.001411518	0.032180469	0.020066084	5.17102E-06	21.08606148	2.2102E-05	0.000259389	0.000267958
2066 Dec	98.65041351	0.06886217	0.042100206	0.001573858	15.24742985	0.030032843	24.04330254	0.000995034	0.000995034	5.16599E-06	0.007450801	0.001413014	0.032261197	0.020073561	5.17384E-06	21.10332489	2.21214E-05	0.00025952	0.000268127
2067 Jan	98.71813202	0.068891242	0.042126916	0.001574386	15.25063324	0.030039094	24.06986809	0.000995126	0.000995126	5.16687E-06	0.007452399	0.001413625	0.032300211	0.02007504	5.17463E-06	21.11012459	2.21288E-05	0.000259555	0.000268185
2067 Feb	98.75469208	0.068914376	0.042141672	0.001574863	15.25531864	0.030047754	24.0801506	0.000995396	0.000995396	5.16833E-06	0.007454544	0.001414098	0.03231414	0.020081058	5.17607E-06	21.11707115	2.21355E-05	0.000259632	0.000268274
2067 Mar	98.8298645	0.068967141	0.042173281	0.001576047	15.2670269	0.030070513	24.09832764	0.000996151	0.000996151	5.17224E-06	0.007460189	0.001415179	0.032338377	0.02009668	5.17999E-06	21.13336372	2.21523E-05	0.000259832	0.000268484
2067 Apr	98.992836	0.069081008	0.04224271	0.001578639	15.29227161	0.030119985	24.13795662	0.000997792	0.000997792	5.18076E-06	0.007472467	0.001417517	0.032391503	0.020130031	5.18852E-06	21.16834259	2.21888E-05	0.000260262	0.00026893
2067 May	100.0605316	0.070345551	0.040868975	0.001553628	15.54892921	0.030361794	24.17618561	0.001006473	0.001006473	5.21215E-06	0.007542188	0.001441723	0.031825595	0.020983884	5.22462E-06	21.83947754	2.23015E-05	0.000267665	0.000281387
2067 Jun	98.8325119	0.070255354	0.03834033	0.001437664	16.46824455	0.027776647	21.92832756	0.000973903	0.000973903	5.01258E-06	0.007180982	0.001485797	0.027681714	0.024352588	5.02915E-06	23.81183243	2.16682E-05	0.000294398	0.000344546
2067 Jul	103.0864258	0.072326608	0.039772093	0.001493849	17.09664154	0.028730785	22.86190224	0.00101473	0.00101473	5.22693E-06	0.007474867	0.00155254	0.02903877	0.025401138	5.24199E-06	24.82010269	2.26489E-05	0.000307305	0.000360431
2067 Aug	105.0585709	0.071623519	0.039448328	0.001505301	17.1814785	0.029246435	23.43007278	0.001036818	0.001036818	5.34317E-06	0.007605369	0.001587266	0.029835686	0.025785595	5.35717E-06	25.22257805	2.30432E-05	0.000311608	0.000365589
2067 Sep	106.237709	0.071158409	0.039217845	0.001507034	17.10340309	0.029656406	24.05035591	0.001042262	0.001042262	5.37597E-06	0.007629634	0.001598037	0.030603256	0.025666434	5.38968E-06	25.26728439	2.30257E-05	0.000310234	0.000362805
2067 Oct	105.0238647	0.071337432	0.037958689	0.00147238	16.49361038	0.030155022	24.61318207	0.00101719	0.00101719	5.25149E-06	0.007496206	0.001555332	0.031016931	0.024344647	5.26728E-06	24.41163826	2.21841E-05	0.000294318	0.000338762
2067 Nov	105.2595062	0.072031863	0.037839029	0.001469725	16.415205	0.030413415	24.90180588	0.001013962	0.001013962	5.23791E-06	0.007499335	0.001551229	0.031353299	0.024096487	5.25365E-06	24.29759026	2.20828E-05	0.000291437	0.000333987
2067 Dec	105.4284973	0.072113968	0.037904199	0.001471249	16.42659569	0.030436058	24.96312523	0.001014449	0.001014449	5.2413E-06	0.007504826	0.001552948	0.031444333	0.02410611	5.25682E-06	24.31820869	2.21041E-05	0.00029159	0.000334197
2068 Jan	105.5322266	0.072160311	0.037950825	0.001472139	16.43209648	0.030444985	25.0037365	0.00101456	0.00101456	5.24252E-06	0.007506977	0.001553869	0.03150478	0.024108129	5.25789E-06	24.32835197	2.21148E-05	0.000291639	0.000334289
2068 Feb	105.5656967	0.072181597	0.037961062	0.001472483	16.43598938	0.030452605	25.01362419	0.001014771	0.001014771	5.24369E-06	0.007508732	0.001554293	0.031517833	0.024113467	5.25904E-06	24.33467674	2.21201E-05	0.000291703	0.000334369
2068 Mar	105.7098618	0.072280921	0.038012333	0.00147448	16.45853996	0.030494247	25.04765129	0.001016155	0.001016155	5.25083E-06	0.007518968	0.00155642	0.031560495	0.024146708	5.26621E-06	24.36811829	2.21502E-05	0.000292104	0.000334831
2068 Apr	106.2859421	0.072674982	0.038219415	0.001482509	16.54831123	0.030660311	25.18403435	0.001021691	0.001021691	5.27943E-06	0.00755992	0.001564905	0.031732291	0.024278516	5.29489E-06	24.50104713	2.22708E-05	0.000293697	0.000336659
2068 May	107.1777954	0.074035354	0.037916586	0.001470026	16.91057587	0.030563259	25.07468224	0.001022933	0.001022933	5.27898E-06	0.007558851	0.001586434	0.031216433	0.025161486	5.29644E-06	25.14226341	2.22954E-05	0.000301249	0.000351769
2068 Jun	100.3468094	0.070098676	0.041469302	0.001440273	17.38331223	0.025754057	21.73296547	0.000927486	0.000927486	4.79906E-06	0.006650425	0.001512676	0.027498078	0.025953384	4.80736E-06	24.80995369	2.07458E-05	0.000303825	0.000384542
2068 Jul	100.6962357	0.067630783	0.041285668	0.001460696	17.10104942	0.025829248	21.93216324	0.000950556	0.000950556	4.92125E-06	0.006832832	0.00152075	0.028248522	0.025591711	4.92704E-06	24.58384895	2.14802E-05	0.000304129	0.000377553
2068 Aug	104.7876511	0.069524847	0.042588688	0.001513842	17.62492371	0.026867665	22.98363876	0.000988249	0.000988249	5.12028E-06	0.007105825	0.001580283	0.02971505	0.026396837	5.12502E-06	25.43713951	2.23374E-05	0.000314369	0.000389069
2068 Sep	104.3607254	0.067939036	0.040930152	0.001494754	17.18557167	0.027351025	23.26028061	0.000993907	0.000993907	5.14806E-06	0.007153901	0.001570278	0.030071102	0.025772858	5.15389E-06	25.04909897	2.22603E-05	0.000308629	0.000375902
2068 Oct	104.8891754	0.067958638	0.040516257	0.001492396	17.0141449	0.027721556	23.72681808	0.000996144	0.000996144	5.16335E-06	0.007195925	0.001569494	0.030681709	0.025425889	5.169E-06	24.90289688	2.22761E-05	0.000305457	0.000368942
2068 Nov	105.3074951	0.06817624	0.040637765	0.001496525	17.04708099	0.027813965	23.87026405	0.000998473	0.000998473	5.17676E-06	0.007216894	0.001574207	0.030882493	0.025461238	5.18213E-06	24.96247101	2.23411E-05	0.000305983	0.000369451
2068 Dec	105.3847351	0.068214446	0.040664077	0.001497322	17.05497742	0.02782733	23.89351463	0.000998906	0.000998906	5.17926E-06	0.007220532	0.001575174	0.03091713	0.025471998	5.18456E-06	24.97578239	2.23539E-05	0.000306123	0.000369633
2069 Jan	105.4533997	0.06823051	0.040679317	0.001497637	17.05649376	0.027831485	23.92097092	0.000998974	0.000998974	5.1801E-06	0.007221959	0.001575815	0.030960059	0.025472825	5.18526E-06	24.98219872	2.23614E-05	0.000306155	0.000369691
2069 Feb	105.4893951	0.068243369	0.040688425	0.001497894	17.05890656	0.027835831	23.93331718	0.000999104	0.000999104	5.18094E-06	0.007223216	0.001576218	0.03097848	0.02547612	5.18605E-06	24.98736382	2.23664E-05	0.000306201	0.000369756
2069 Mar	105.5025787	0.068250187	0.040692043	0.001498025	17.06041145	0.027838551	23.93706703	0.000999193	0.000999193	5.18142E-06	0.007223918	0.001576392	0.030983603	0.025478397	5.18653E-06	24.98994064	2.23687E-05	0.000306229	0.000369792
2069 Apr	105.6460114	0.068342909	0.040746983	0.001500052	17.08355904	0.027876351	23.9696579	0.001000548	0.001000548	5.18845E-06	0.007233718	0.001578534	0.031025741	0.025513025	5.19357E-06	25.02391624	2.23991E-05	0.000306645	0.000370294
2069 May	106.9986343	0.069209404	0.04108426	0.001516456	17.28457642	0.028273458	24.29380417	0.001013818	0.001013818	5.25633E-06	0.007331686	0.001598584	0.031403381	0.025833227	5.26194E-06	25.34592056	2.26817E-05	0.000310463	0.000374656
2069 Jun	93.94249725	0.058641128	0.034690604	0.001393394	14.97050667	0.026415905	20.95936584	0.000979929	0.000979929	5.04288E-06	0.00714525	0.001428399	0.027313249	0.02255482	5.05635E-06	22.19099426	2.19775E-05	0.000281395	0.000315626
2069 Jul	93.340271	0.056543931	0.035061549	0.001428602	14.67213249	0.02659704	20.87346458	0.001002218	0.001002218	5.16121E-06	0.007325669	0.001421541	0.027905276	0.021875599	5.17184E-06	21.67323875	2.26573E-05	0.000279061	0.000302927
2069 Aug	94.60056305	0.055887345	0.034717605	0.001443501	14.63046265	0.027199721	21.31863022	0.001024179	0.001024179	5.27603E-06	0.007480412	0.001442028	0.028681358	0.021880927	5.28577E-06	21.79033279	2.30711E-05	0.000280927	0.00030091
2069 Sep	92.36852264	0.055776898	0.033242051	0.001410718	14.0168047	0.027762458	21.34606171	0.001004061	0.001004061	5.17414E-06	0.007369505	0.001395067	0.028719051	0.020550821	5.18473E-06	20.83622742	2.22306E-05	0.000266138	0.000275797
2069 Oct	89.08032227	0.061669134	0.032195393	0.00138328	13.55698586	0.029518537	21.2560463	0.000967766	0.000967766	4.99294E-06	0.007239739	0.001322344	0.028666209	0.018693728	5.00389E-06	19.50985146	2.07224E-05	0.000242668	0.0002387
2069 Nov	88.81102753	0.064059876	0.031988394	0.001382754	13.58192062	0.030186974	21.27343178	0.000965708	0.000965708	4.98318E-06	0.007270005	0.001315565	0.028731376	0.018474033	4.99396E-06	19.37925339	2.05081E-05	0.000239403	0.000232848
2069 Dec	88.90135956	0.064118072	0.032017346	0.001383458	13.58748817	0.030202447	21.30719948	0.00096593	0.00096593	4.98485E-06	0.007273184	0.001316461	0.028782979	0.018477384	4.99549E-06	19.38936996	2.05185E-05	0.000239462	0.000232922
2070 Jan	88.91294098	0.064136647	0.03201846	0.001383495	13.58834934	0.030206963	21.31177521	0.000965944	0.000965944	4.98499E-06	0.007273737	0.001316571	0.028789626	0.018477632	4.99561E-06	19.3907299	2.0519E-05	0.000239462	0.000232919
2070 Feb	88.91737366	0.064145602	0.032018103	0.001383494	13.58897305	0.030209012	21.31313324	0.000965954	0.000965954	4.98505E-06	0.007273981	0.001316627	0.028791333	0.018478429	4.99567E-06	19.391716	2.05191E-05	0.000239468	0.000232928
2070 Mar	88.960495	0.064179823	0.032032564	0.001384144	13.5957346	0.030224318	21.32330132	0.000966422	0.000966422	4.98746E-06	0.007277554	0.001317273	0.028804893	0.01848774	4.99809E-06	19.40138626	2.05288E-05	0.000239586	0.000233044
2070 Apr	89.22314453	0.064369127	0.03212671	0.001388193	13.63595295	0.030312657	21.38608551	0.000969251	0.000969251	5.00207E-06	0.007298852	0.001321166	0.028889667	0.018542798	5.01272E-06	19.45895004	2.0589E-05	0.000240295	0.000233744
2070 May	90.31768036	0.066976599	0.032249138	0.001388479	14.17838955	0.030533498	21.1398201	0.000976595	0.000976595	5.03415E-06	0.007344518	0.001352785	0.028400593	0.01964356	5.04507E-06	20.2431221	2.06687E-05	0.0002499	0.000251721
2070 Jun	91.8664856	0.071614131	0.034439787	0.001371666	16.00605774	0.028640525	19.40313148	0.000953467	0.000953467	4.90895E-06	0.007030949	0.001429948	0.025808498	0.023504954	4.91541E-06	22.67573929	2.02843E-05	0.000281714	0.000325914
2070 Jul	94.52268982	0.072477981	0.034938138	0.00140159	16.41532516	0.029136078	19.82259178	0.000984126	0.000984126	5.06692E-06	0.007249872	0.001479111	0.026487425	0.024380645	5.07206E-06	23.43746376	2.10535E-05	0.000292499	0.000339406
2070 Aug	96.8755722	0.072883464	0.035055198	0.001424198	16.67541122	0.029781755	20.35635567	0.001010936	0.001010936	5.20622E-06	0.00742923	0.001520296	0.027268432	0.024971223	5.21039E-06	24.00507545	2.15957E-05	0.000299565	0.00034765
2070 Sep	95.04720306	0.071214564	0.033020511	0.001380721	16.0706501	0.029961132	20.33300781	0.000997204	0.000997204	5.13216E-06	0.007337002	0.001488198	0.02704036	0.024078419	5.13829E-06	23.34119797	2.09969E-05	0.000289098	0.000330583
2070 Oct	93.13562012	0.073075391	0.031914331	0.001356655	15.62011528	0.030712839	20.3713913	0.000979129	0.000979129	5.03983E-06	0.007287376	0.001445554	0.027012561	0.022909934	5.04724E-06	22.51217461	2.03238E-05	0.00027536	0.000307705
2070 Nov	93.41415405	0.073634133	0.032092918	0.001361015	15.62126923	0.030880267	20.55116272	0.000978459	0.000978459	5.03971E-06	0.00729665	0.001445364	0.027299622	0.022796206	5.04642E-06	22.46996689	2.03077E-05	0.000274156	0.000305652
2070 Dec	93.49902344	0.073673695	0.032122049	0.001361598	15.62460995	0.030889096	20.58560181	0.000978534	0.000978534	5.04067E-06	0.007298616	0.001446093	0.027351649	0.022796044	5.04723E-06	22.47729301	2.03163E-05	0.000274179	0.000305692
2071 Jan	93.51646423	0.073686361	0.032126524	0.001361695	15.62528706	0.030892253	20.59289932	0.00097855	0.00097855	5.04086E-06	0.007299134	0.001446237	0.027362224	0.022795815	5.0474E-06	22.47877502	2.03178E-05	0.000274179	0.000305692
2071 Feb	93.51656342	0.073690161	0.032124583	0.001361672	15.62547493	0.030893508	20.59272385	0.000978563	0.000978563	5.04091E-06	0.007299288	0.00144625	0.027361587	0.022796266	5.04745E-06	22.47914505	2.03177E-05	0.000274182	0.000305693
2071 Mar	93.52687836	0.073700309	0.032127324	0.00136181	15.62728024	0.030897493	20.59494591	0.000978674	0.000978674	5.04148E-06	0.00730015	0.001446413	0.027364301	0.022798935	5.04802E-06	22.48176193	2.03198E-05	0.000274213	0.000305727
2071 Apr	93.64630127	0.073794767	0.032168195	0.001363544	15.64728451	0.030936949	20.62117767	0.000979923	0.000979923	5.04791E-06	0.007309463	0.001448262	0.027399087	0.022828184	5.05446E-06	22.51056099	2.03457E-05	0.000274564	0.00030612
2071 May	93.93340302	0.075269245	0.032073203	0.001354929	15.94837189	0.030875076	20.37569237	0.000978113	0.000978113	5.03352E-06	0.007290958	0.001460496	0.026853336	0.023474945	5.04119E-06	22.94439888	2.02745E-05	0.000279662	0.000317205
2071 Jun	93.02458191	0.072398447	0.035605717	0.001358697	16.95239639	0.027244065	18.59371567	0.000937708	0.000937708	4.83083E-06	0.006792518	0.001477294	0.024680788	0.02565884	4.83269E-06	24.02980614	2.00308E-05	0.000299065	0.000369307
2071 Jul	93.765625	0.071213759	0.036662977	0.001395987	17.00437164	0.02724077	18.73885345	0.000955701	0.000955701	4.9281E-06	0.006908932	0.001489094	0.025285212	0.025627343	4.92776E-06	24.02903938	2.06139E-05	0.000301691	0.000369267
2071 Aug	96.09562683	0.072251655	0.037122816	0.001427457	17.32889175	0.028005935	19.22896004	0.000984464	0.000984464	5.07657E-06	0.007112709	0.001528674	0.026050219	0.026195902	5.07559E-06	24.58590889	2.12029E-05	0.000309145	0.000376692
2071 Sep	93.33361053	0.068719022	0.034505926	0.001383236	16.53331566	0.028110692	18.82347107	0.000979831	0.000979831	5.04685E-06	0.007070636	0.001490786	0.02570142	0.025089573	5.04668E-06	23.70607948	2.07771E-05	0.000299312	0.000355153
2071 Oct	91.91537476	0.068535186	0.033259224	0.001359936	16.09446716	0.028474551	18.81599998	0.000971511	0.000971511	5.00276E-06	0.007053171	0.001462626	0.025691202	0.024249086	5.00349E-06	23.10814667	2.04207E-05	0.000290775	0.000338672
2071 Nov	91.14278412	0.069386579	0.032287385	0.001346304	15.86601353	0.029012572	18.82723808	0.000970125	0.000970125	4.9929E-06	0.007089084	0.001447514	0.025667576	0.023762055	4.99483E-06	22.78121948	2.02334E-05	0.000285662	0.000327766
2071 Dec	91.16077423	0.069484368	0.032244887	0.00134595	15.85582447	0.029058687	18.85260963	0.000970226	0.000970226	4.99364E-06	0.007093932	0.001447234	0.025704062	0.023734065	4.99553E-06	22.76822853	2.02298E-05	0.000285386	0.000327134
2072 Jan	91.16168213	0.069495775	0.032239556	0.001345932	15.85595131	0.029064046	18.85289574	0.000970296	0.000970296	4.99396E-06	0.007094688	0.001447267	0.025704088	0.023734033	4.99586E-06	22.76855659	2.02301E-05	0.000285386	0.00032711
2072 Feb	91.16516876	0.069503523	0.032238439	0.001345959	15.85672569	0.02906706	18.85347176	0.000970352	0.000970352	4.99423E-06	0.007095178	0.001447334	0.025704384	0.023735264	4.99613E-06	22.7697525	2.02307E-05	0.000285398	0.000327119
2072 Mar	91.17552948	0.069514133	0.032240435	0.001346097	15.85865974	0.029071487	18.85540581	0.000970478	0.000970478	4.99486E-06	0.007096138	0.001447511	0.025706796	0.023738315	4.99677E-06	22.77262497	2.0233E-05	0.000285434	0.000327157
2072 Apr	91.37852478	0.069669701	0.032311711	0.001349086	15.89404392	0.029136434	18.8972683	0.000972641	0.000972641	5.00599E-06	0.007111961	0.001450739	0.025763778	0.023791388	5.00791E-06	22.82348061	2.0278E-05	0.000286071	0.000327887
2072 May	92.43205261	0.070471972	0.032683752	0.001364611	16.07718468	0.029471615	19.1151619	0.000983838	0.000983838	5.06363E-06	0.007193836	0.001467464	0.026060952	0.024065768	5.06556E-06	23.08665848	2.05116E-05	0.000289369	0.000331672
2072 Jun	82.78302765	0.062502354	0.029141115	0.001322103	14.10299206	0.028743302	17.04857063	0.000974618	0.000974618	4.99837E-06	0.007221525	0.001329658	0.024244804	0.020630095	5.00275E-06	20.09609795	2.04667E-05	0.000261072	0.000269368
2072 Jul	80.83016968	0.058634464	0.028527591	0.001332958	13.49228096	0.028641555	16.71068192	0.0009888	0.0009888	5.07054E-06	0.007327636	0.001305361	0.024351982	0.019619478	5.07348E-06	19.25666428	2.08917E-05	0.000254383	0.000251021
2072 Aug	78.72574615	0.054712787	0.027344316	0.00132126	12.917346	0.029467551	16.58909607	0.000988058	0.000988058	5.06571E-06	0.007177366	0.001277271	0.02445513	0.018522911	5.06899E-06	18.42536736	1.98859E-05	0.000242452	0.000228991
2072 Sep	77.19441223	0.053450465	0.026600422	0.001309989	12.61737061	0.030533524	16.54423904	0.000979918	0.000979918	5.0254E-06	0.006999707	0.001252346	0.024634965	0.017664926	5.02857E-06	17.82588959	1.86601E-05	0.000232483	0.00021097
2072 Oct	77.45688629	0.057692733	0.027880149	0.001327893	12.73334599	0.031775732	17.20483017	0.000957928	0.000957928	4.9294E-06	0.006854711	0.001229262	0.025694232	0.016838863	4.93013E-06	17.39027596	1.76284E-05	0.000221222	0.000195858
2072 Nov	77.95438385	0.058910593	0.02817177	0.001333591	12.79246902	0.032064207	17.46338081	0.0009559	0.0009559	4.92381E-06	0.00685952	0.001230445	0.026082341	0.016750773	4.92357E-06	17.38869667	1.75523E-05	0.000219923	0.000194167
2072 Dec	78.11499023	0.058970399	0.028221266	0.001334492	12.79862309	0.032074962	17.52799034	0.00095596	0.00095596	4.92522E-06	0.006862335	0.001231829	0.026179666	0.016752286	4.92469E-06	17.40358734	1.75676E-05	0.00021998	0.000194299
2073 Jan	78.15222168	0.058990091	0.028230475	0.001334674	12.80041027	0.032079268	17.54260445	0.000955991	0.000955991	4.92561E-06	0.006863181	0.001232166	0.026201092	0.016753355	4.92502E-06	17.40760994	1.75709E-05	0.000219998	0.000194333
2073 Feb	78.15805054	0.058998194	0.028230796	0.001334733	12.80159569	0.032082342	17.54366302	0.000956059	0.000956059	4.92595E-06	0.00686372	0.001232268	0.026202187	0.016755238	4.92536E-06	17.40938187	1.75718E-05	0.000220018	0.000194355
2073 Mar	78.1805954	0.059017457	0.028237717	0.001335097	12.80544472	0.032092169	17.54851341	0.000956338	0.000956338	4.92738E-06	0.006865751	0.001232633	0.026209192	0.016760506	4.92679E-06	17.41472244	1.75767E-05	0.000220084	0.000194415
2073 Apr	78.57115173	0.059311267	0.028378272	0.001341732	12.86919117	0.032251593	17.6364212	0.000961089	0.000961089	4.95187E-06	0.006899883	0.001238781	0.02634052	0.016844038	4.95128E-06	17.50158882	1.76642E-05	0.00022118	0.000195388
2073 May	85.40973663	0.063259222	0.029603506	0.001344756	13.87559414	0.031841449	19.44217873	0.000962825	0.000962825	4.96804E-06	0.006944577	0.001318382	0.027573185	0.018923448	4.9704E-06	19.42060471	1.83096E-05	0.000240175	0.000235302
2073 Jun	95.61928558	0.067950197	0.03365057	0.001346075	16.16327858	0.028523365	20.9895153	0.000941264	0.000941264	4.86541E-06	0.006740377	0.001459881	0.027628833	0.02392865	4.87073E-06	23.32883453	1.94695E-05	0.000285243	0.000337547
2073 Jul	97.87256622	0.068586506	0.035089668	0.001390411	16.52888489	0.028876763	21.48487663	0.000962947	0.000962947	4.98339E-06	0.00687986	0.001493691	0.02851161	0.02440778	4.98658E-06	23.78475189	2.00573E-05	0.000291542	0.000345892
2073 Aug	99.82989502	0.06898807	0.035139985	0.001410522	16.76917458	0.029472236	21.87288666	0.000988041	0.000988041	5.11249E-06	0.007047962	0.001530543	0.029105183	0.024964295	5.11488E-06	24.29627228	2.05532E-05	0.000298161	0.000353508
2073 Sep	99.08609772	0.06740769	0.033708666	0.001385482	16.43137932	0.029563874	21.84336662	0.000987418	0.000987418	5.10725E-06	0.007036267	0.001522652	0.029049795	0.024635006	5.10983E-06	24.0461216	2.03848E-05	0.000294531	0.000346682

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Oct	97.13574982	0.067553096	0.031671323	0.001341339	15.8002615	0.029929878	21.8874855	0.000970406	0.000970406	5.01666E-06	0.006993585	0.001482756	0.028861545	0.023540877	5.02147E-06	23.2624073	1.98598E-05	0.000281935	0.000325442
2073 Nov	97.00276947	0.068081051	0.031311598	0.001334394	15.69274807	0.030118197	22.0073719	0.000967547	0.000967547	5.00281E-06	0.007003298	0.001476501	0.028983628	0.023305543	5.00774E-06	23.12253952	1.97844E-05	0.000279276	0.000320714
2073 Dec	97.19358063	0.068147197	0.031362686	0.001335589	15.70182896	0.030136216	22.0800705	0.000967911	0.000967911	5.00583E-06	0.007008332	0.001478329	0.029093038	0.023312517	5.01046E-06	23.14342499	1.98069E-05	0.000279408	0.000320925
2074 Jan	97.31469727	0.068180881	0.031397492	0.001336204	15.70517731	0.030141439	22.13015938	0.000967919	0.000967919	5.00674E-06	0.00701017	0.001479324	0.029168213	0.023311969	5.01114E-06	23.1535244	1.98188E-05	0.000279436	0.000321008
2074 Feb	97.36283875	0.068195529	0.031410716	0.001336441	15.7067585	0.030143844	22.14978218	0.000967931	0.000967931	5.00713E-06	0.007010947	0.001479728	0.029197177	0.023312321	5.01144E-06	23.15792465	1.98235E-05	0.000279452	0.000321048
2074 Mar	97.4045639	0.068225317	0.031423692	0.001336995	15.71345329	0.030156646	22.15934372	0.000968336	0.000968336	5.00922E-06	0.007013906	0.001480359	0.029209631	0.023322331	5.01354E-06	23.1678791	1.98318E-05	0.000279571	0.000321187
2074 Apr	97.80453491	0.068505593	0.031552691	0.00134248	15.77803898	0.030280363	22.25024033	0.00097231	0.00097231	5.02978E-06	0.007042686	0.001486441	0.029329402	0.023418279	5.03412E-06	23.26312065	1.99132E-05	0.00028072	0.000322509
2074 May	103.4401932	0.070932217	0.032718122	0.00134214	16.65432739	0.029427912	23.64174652	0.000970637	0.000970637	5.02482E-06	0.007039908	0.001552355	0.030057745	0.025345067	5.0328E-06	24.96161652	2.05316E-05	0.000298577	0.000360697
2074 Jun	106.7545929	0.070724688	0.037020933	0.001347878	17.90921021	0.025628515	23.67817879	0.000921001	0.000921001	4.78456E-06	0.006573485	0.001591529	0.029322149	0.027854059	4.79072E-06	26.65485001	2.07016E-05	0.000319993	0.000421364
2074 Jul	109.5676422	0.071908563	0.038129039	0.001392899	18.36469078	0.026267726	24.2165184	0.000952516	0.000952516	4.94997E-06	0.006794143	0.001638185	0.030243589	0.028586848	4.95444E-06	27.33300591	2.14716E-05	0.000329505	0.000432579
2074 Aug	114.3469849	0.074464969	0.039514087	0.001445018	19.02716637	0.027280625	25.41072464	0.000988999	0.000988999	5.14555E-06	0.007062129	0.001706402	0.031877849	0.029635407	5.14814E-06	28.40019608	2.23495E-05	0.00034193	0.000448927
2074 Sep	113.4921112	0.072357222	0.037137832	0.001404601	18.35374832	0.027440688	25.71933937	0.000985516	0.000985516	5.12853E-06	0.007082521	0.001685216	0.032283124	0.028741824	5.13133E-06	27.82362747	2.22328E-05	0.000333929	0.000431954
2074 Oct	113.4889755	0.072555169	0.035572201	0.001377616	17.78068352	0.027965825	26.52562523	0.000977221	0.000977221	5.09177E-06	0.007121934	0.001661448	0.033207651	0.027649695	5.09522E-06	27.2163353	2.20854E-05	0.000323319	0.000411409
2074 Nov	115.6996307	0.073147736	0.036000852	0.001385134	17.76511383	0.02811148	27.55686951	0.000975902	0.000975902	5.10133E-06	0.007156799	0.001675725	0.034694068	0.027487976	5.10097E-06	27.31627846	2.22788E-05	0.000322353	0.000410174
2074 Dec	116.1429977	0.073248059	0.036117155	0.001387305	17.77674866	0.028129516	27.74034655	0.00097605	0.00097605	5.1051E-06	0.007163811	0.001679346	0.034964241	0.027487215	5.10398E-06	27.35425377	2.23241E-05	0.00032248	0.000410491
2075 Jan	116.2286224	0.07326977	0.03613532	0.001387663	17.77852631	0.028134463	27.77686119	0.000976085	0.000976085	5.10582E-06	0.007165328	0.001680009	0.03501536	0.027486427	5.10458E-06	27.36142159	2.23327E-05	0.000322497	0.000410532
2075 Feb	116.2771835	0.073286548	0.036146138	0.001387942	17.7812252	0.028139327	27.79510498	0.0009762	0.0009762	5.10664E-06	0.007166692	0.001680471	0.035040218	0.027489347	5.10536E-06	27.36758041	2.23386E-05	0.00032254	0.000410599
2075 Mar	116.3749619	0.073343709	0.036174912	0.001389015	17.79494476	0.028160779	27.81996918	0.00097694	0.00097694	5.11058E-06	0.007172247	0.001681834	0.035072587	0.027510511	5.10928E-06	27.38935852	2.23565E-05	0.00032279	0.000410924
2075 Apr	116.8200836	0.073614202	0.036309808	0.001394141	17.86040306	0.02826402	27.92936516	0.00098052	0.00098052	5.12946E-06	0.007198766	0.00168817	0.035213139	0.027611639	5.1281E-06	27.49150085	2.24403E-05	0.000323982	0.000412453
2075 May	120.6946259	0.074928142	0.036278035	0.001400563	17.92644691	0.028758194	29.65838051	0.000988111	0.000988111	5.17763E-06	0.007316488	0.001714	0.03695865	0.027661754	5.17856E-06	27.91812325	2.28709E-05	0.000325314	0.000413341
2075 Jun	103.9657211	0.059338849	0.03111135	0.001324584	14.53934383	0.026474753	26.2863636	0.000954345	0.000954345	4.96241E-06	0.007168807	0.001457092	0.033076514	0.021799522	4.97687E-06	22.79174995	2.25546E-05	0.000275682	0.000310344
2075 Jul	97.70227814	0.053067058	0.03038184	0.001338743	13.44954491	0.025921527	24.63079071	0.000962528	0.000962528	4.99696E-06	0.007227916	0.001379204	0.032028351	0.019739538	5.0096E-06	20.88281631	2.28378E-05	0.000260505	0.000273752
2075 Aug	98.27878571	0.052405111	0.02998995	0.00135149	13.42161179	0.026450295	24.74145699	0.000983616	0.000983616	5.10409E-06	0.007368459	0.001396089	0.032385074	0.019804437	5.11594E-06	20.9679203	2.31905E-05	0.000262512	0.000272576
2075 Sep	98.82588959	0.052132923	0.029695105	0.001355473	13.36436844	0.026803652	24.98097038	0.000992651	0.000992651	5.15287E-06	0.007433922	0.001404668	0.032834079	0.019734595	5.16362E-06	20.97855186	2.33156E-05	0.000262493	0.00027025
2075 Oct	97.76604462	0.051764164	0.028774731	0.001339822	13.08188725	0.027107976	24.87955475	0.000989339	0.000989339	5.13431E-06	0.007420544	0.001389368	0.032737494	0.019251654	5.14524E-06	20.60935974	2.30425E-05	0.000257084	0.000260298
2075 Nov	98.13408661	0.052001934	0.028724296	0.001340767	13.07314014	0.027252123	25.05538368	0.000990787	0.000990787	5.14394E-06	0.007440502	0.001392541	0.03299585	0.019213893	5.1543E-06	20.62372971	2.30715E-05	0.000256781	0.000259401
2075 Dec	98.27359772	0.052047305	0.028748564	0.001341483	13.07742596	0.02727012	25.11123657	0.000991088	0.000991088	5.14634E-06	0.00744463	0.001393839	0.033079214	0.019215401	5.15647E-06	20.63711548	2.30873E-05	0.000256841	0.000259474
2076 Jan	98.29618073	0.05205803	0.028750792	0.001341588	13.07823753	0.027274797	25.12025642	0.000991157	0.000991157	5.14681E-06	0.007445471	0.001394057	0.033091925	0.019215882	5.15691E-06	20.6395359	2.30896E-05	0.000256851	0.000259482
2076 Feb	98.32050323	0.052073449	0.028755795	0.001341901	13.08173466	0.027282901	25.1260376	0.000991428	0.000991428	5.14819E-06	0.007447486	0.001394427	0.033098977	0.019221462	5.1583E-06	20.64523315	2.30953E-05	0.000256921	0.000259553
2076 Mar	98.39214325	0.052112006	0.028776612	0.001342868	13.09144592	0.027302651	25.14408875	0.000992147	0.000992147	5.15192E-06	0.007452871	0.001395451	0.03312264	0.019235933	5.16204E-06	20.66056442	2.3112E-05	0.000257111	0.00025975
2076 Apr	98.60220337	0.052223567	0.028838029	0.001345729	13.11949825	0.027360821	25.19762611	0.000994263	0.000994263	5.1629E-06	0.007468753	0.001398435	0.033193111	0.01927726	5.17305E-06	20.70483398	2.31612E-05	0.000257662	0.000260309
2076 May	98.77470398	0.053768702	0.028264906	0.001331449	13.52519321	0.027493067	24.62669945	0.001001772	0.001001772	5.18785E-06	0.007494886	0.001423978	0.032130126	0.020358061	5.20033E-06	21.40555763	2.31198E-05	0.000266775	0.000276954
2076 Jun	95.02489471	0.057534553	0.029845864	0.001271692	15.289361	0.024870543	20.57403374	0.000952017	0.000952017	4.90793E-06	0.006900813	0.001465586	0.026667194	0.024400089	4.91541E-06	23.45472336	2.15953E-05	0.000296218	0.000353861
2076 Jul	96.12585449	0.057761025	0.031376623	0.001315986	15.51696968	0.025140615	20.78877831	0.000967101	0.000967101	4.99455E-06	0.006991277	0.001482197	0.027437897	0.024483334	4.99834E-06	23.55434227	2.19923E-05	0.000298734	0.000355807
2076 Aug	98.5728302	0.058672905	0.031740669	0.001346719	15.83861542	0.025922982	21.30871773	0.000997126	0.000997126	5.15018E-06	0.007201543	0.001524467	0.028263539	0.025082922	5.15289E-06	24.13819695	2.26052E-05	0.00030644	0.000363767
2076 Sep	99.32730865	0.058597032	0.031317838	0.001347709	15.80763435	0.026273236	21.5857029	0.001006251	0.001006251	5.1999E-06	0.007272924	0.001536307	0.028754173	0.025099315	5.20125E-06	24.22420502	2.27532E-05	0.00030727	0.000362977
2076 Oct	97.15913391	0.058448009	0.029394507	0.001307811	15.22550201	0.026674258	21.45584297	0.000991174	0.000991174	5.11955E-06	0.007215278	0.001497467	0.028497655	0.024065033	5.12229E-06	23.45305252	2.21599E-05	0.000295596	0.000342719
2076 Nov	97.3332901	0.058854375	0.029170815	0.001303632	15.14243603	0.026858546	21.67563629	0.000988913	0.000988913	5.11101E-06	0.007222207	0.001494738	0.028800085	0.023860784	5.11315E-06	23.35624504	2.21E-05	0.000293397	0.000338864
2076 Dec	97.57202148	0.058915872	0.029223517	0.001304793	15.15057468	0.026874501	21.77041626	0.000989184	0.000989184	5.11397E-06	0.007227245	0.001496881	0.028942365	0.023865148	5.11568E-06	23.37970161	2.21262E-05	0.000293515	0.000339087
2077 Jan	97.61545563	0.058930837	0.029231293	0.001304962	15.15165424	0.026878571	21.78860283	0.000989212	0.000989212	5.1144E-06	0.007228143	0.001497239	0.02896875	0.023864917	5.11604E-06	23.38347054	2.21303E-05	0.000293523	0.000339106
2077 Feb	97.62388611	0.058938686	0.029232146	0.001305052	15.15307522	0.026881868	21.79037857	0.000989306	0.000989306	5.11487E-06	0.007228862	0.001497376	0.028970571	0.023867337	5.11651E-06	23.38579178	2.2132E-05	0.00029355	0.000339136
2077 Mar	97.63053558	0.058955248	0.029239826	0.001305396	15.15727806	0.026889147	21.79623413	0.000989572	0.000989572	5.11624E-06	0.007230804	0.001497788	0.028978258	0.023874069	5.11789E-06	23.39231873	2.21379E-05	0.000293632	0.000339233
2077 Apr	97.90354919	0.059108183	0.029315565	0.001308774	15.19661522	0.026958726	21.85261726	0.000992134	0.000992134	5.12948E-06	0.007249518	0.001501671	0.02905318	0.023936097	5.13113E-06	23.45303154	2.21952E-05	0.000294394	0.000340115
2077 May	98.71498871	0.060682572	0.029104641	0.001300886	15.49920368	0.027075192	21.8058033	0.00099521	0.00099521	5.13857E-06	0.007271332	0.001520669	0.02865525	0.024643328	5.14233E-06	23.98381424	2.22096E-05	0.000300322	0.000351385
2077 Jun	97.36022186	0.062418148	0.030276259	0.001259495	16.23670578	0.025085438	20.44048119	0.000946564	0.000946564	4.884E-06	0.006838984	0.001520384	0.026381265	0.026232826	4.88721E-06	24.80136299	2.12781E-05	0.000310165	0.00038619
2077 Jul	99.62950134	0.062955178	0.03063781	0.001292202	16.54595947	0.025647746	20.80116653	0.000980434	0.000980434	5.05672E-06	0.007092706	0.001562891	0.027031608	0.026892317	5.05914E-06	25.39770889	2.21395E-05	0.000319634	0.000395338
2077 Aug	102.6322861	0.064268485	0.031174175	0.00132788	16.94482613	0.026520297	21.48755074	0.001013066	0.001013066	5.22609E-06	0.00732591	0.001610755	0.028022606	0.027590917	5.22783E-06	26.09793091	2.28321E-05	0.00032861	0.000404885
2077 Sep	97.52561188	0.061080661	0.027877431	0.001266666	15.77385139	0.027026188	20.75768471	0.00099278	0.00099278	5.11304E-06	0.007185139	0.001531482	0.027257232	0.025533328	5.11717E-06	24.46660805	2.17069E-05	0.000308072	0.000365062
2077 Oct	96.90409088	0.062136538	0.026979037	0.001253521	15.45925426	0.027728274	21.01567459	0.000987185	0.000987185	5.08772E-06	0.007201377	0.001511625	0.027684439	0.024752075	5.09137E-06	23.97908211	2.1385E-05	0.000299967	0.000349268
2077 Nov	97.42019653	0.062350351	0.027063603	0.001256526	15.48561478	0.027808916	21.20760155	0.000988846	0.000988846	5.09902E-06	0.0072203	0.001516867	0.027970949	0.024776543	5.10192E-06	24.04067039	2.14512E-05	0.000300397	0.000349778
2077 Dec	97.53146362	0.062388536	0.027080944	0.001257112	15.49095345	0.027823053	21.24881935	0.000989169	0.000989169	5.10129E-06	0.00722401	0.001518002	0.028032906	0.024782334	5.10402E-06	24.05414772	2.14655E-05	0.000300495	0.000349911
2078 Jan	97.56445313	0.062403705	0.02708566	0.001257297	15.4927969	0.027828712	21.26097298	0.000989282	0.000989282	5.10204E-06	0.007225271	0.00151834	0.028050452	0.02478425	5.10472E-06	24.05835533	2.14696E-05	0.000300525	0.000349946
2078 Feb	97.57572937	0.062412657	0.027087642	0.001257417	15.49454308	0.027832387	21.26357079	0.000989391	0.000989391	5.10259E-06	0.007226103	0.001518512	0.028053612	0.024787078	5.10528E-06	24.06116676	2.14718E-05	0.000300557	0.000349984
2078 Mar	97.595047	0.062426478	0.02709228	0.001257658	15.49766445	0.027838439	21.26774979	0.000989591	0.000989591	5.10362E-06	0.007227583	0.001518815	0.028058896	0.024792099	5.10631E-06	24.06604195	2.1476E-05	0.000300617	0.000350053
2078 Apr	98.0599823	0.062723599	0.027221004	0.001263633	15.57137585	0.027970795	21.3692131	0.000994294	0.000994294	5.12788E-06	0.007261945	0.001526045	0.028192824	0.024910059	5.13058E-06	24.18060112	2.15781E-05	0.000302047	0.000351719
2078 May	101.897583	0.066089913	0.028261416	0.001257202	16.4435215	0.027468519	22.11602783	0.000984568	0.000984568	5.07789E-06	0.007174624	0.001575068	0.028219882	0.0266516	5.08398E-06	25.61531258	2.16132E-05	0.000316154	0.00038516
2078 Jun	103.763588	0.068034872	0.032423463	0.001279577	17.56076622	0.025432272	21.94208336	0.000941883	0.000941883	4.87674E-06	0.00674825	0.001599536	0.02779492	0.028334413	4.87806E-06	26.70062065	2.11052E-05	0.000327747	0.000425906
2078 Jul	107.3569412	0.069909178	0.03333953	0.00132233	18.14476776	0.026291896	22.64448166	0.000977774	0.000977774	5.06302E-06	0.006998249	0.001659542	0.028780682	0.029377861	5.06333E-06	27.6506599	2.1906E-05	0.000339843	0.000441683
2078 Aug	108.1969833	0.069181696	0.032652669	0.001325125	18.18546486	0.026777113	22.74472618	0.000997556	0.000997556	5.16232E-06	0.007106064	0.00168528	0.028990559	0.029738709	5.16188E-06	27.94590187	2.21435E-05	0.000343512	0.00044573
2078 Sep	109.3197556	0.068546899	0.032124024	0.001324531	18.0994854	0.027244898	23.26396561	0.001006588	0.001006588	5.21427E-06	0.007155058	0.001699913	0.029782549	0.029675612	5.212E-06	28.01935387	2.21804E-05	0.000343136	0.000443583
2078 Oct	110.4750061	0.06817314	0.031621311	0.001314683	17.80915642	0.02754035	24.24205971	0.001000436	0.001000436	5.19288E-06	0.007140617	0.001695039	0.030944543	0.029072339	5.19E-06	27.78348732	2.20494E-05	0.000336941	0.000433439
2078 Nov	110.9288101	0.068232037	0.031530119	0.001314061	17.76339722	0.027664755	24.52373505	0.001000426	0.001000426	5.19543E-06	0.007149624	0.001696274	0.031281114	0.02896321	5.19241E-06	27.76563263	2.2052E-05	0.000335877	0.000431481
2078 Dec	111.0296402	0.068252243	0.031535864	0.001314351	17.76608849	0.02767441	24.5626545	0.001000646	0.001000646	5.19718E-06	0.007152396	0.001697279	0.031339828	0.0289672	5.19398E-06	27.77707672	2.20638E-05	0.000335949	0.000431594
2079 Jan	111.1315384	0.068262622	0.031547554	0.001314549	17.76620102	0.02767737	24.60692787	0.001000618	0.001000618	5.1978E-06	0.007153618	0.001698078	0.031405907	0.028964747	5.19439E-06	27.78452492	2.2073E-05	0.000335952	0.000431636
2079 Feb	111.155838	0.068266578	0.031550802	0.001314609	17.76647758	0.027678637	24.61748314	0.001000619	0.001000619	5.19796E-06	0.007153927	0.001698264	0.031420574	0.028964432	5.19451E-06	27.78652573	2.2075E-05	0.000335954	0.000431648
2079 Mar	111.2200623	0.068300411	0.031567194	0.001315254	17.77503586	0.027692026	24.63402367	0.00100109	0.00100109	5.20048E-06	0.00715744	0.001699163	0.031442605	0.028978147	5.19702E-06	27.80070305	2.20864E-05	0.000336116	0.000431861
2079 Apr	111.5267715	0.068485267	0.031652879	0.001318809	17.82311058	0.027766732	24.70307159	0.001003791	0.001003791	5.21457E-06	0.007176833	0.001703811	0.031531584	0.029056558	5.21107E-06	27.87641716	2.21467E-05	0.000337027	0.000433037
2079 May	112.6889267	0.069220498	0.031813841	0.001329818	17.99662018	0.028102878	24.97769356	0.00101471	0.00101471	5.26958E-06	0.007255146	0.00172131	0.031802692	0.029366314	5.26689E-06	28.17875671	2.23625E-05	0.000340492	0.000437318
2079 Jun	96.86788177	0.056071457	0.027718915	0.001238593	15.12513542	0.02531915	21.45884705	0.000956545	0.000956545	4.93855E-06	0.006899428	0.00148641	0.027711827	0.024475127	4.94455E-06	23.71607018	2.14427E-05	0.000296472	0.000354523
2079 Jul	92.68302155	0.051097348	0.02743382	0.001255655	14.16376305	0.024885176	20.65139961	0.000960695	0.000960695	4.96342E-06	0.006961385	0.001424212	0.027679209	0.022535508	4.96578E-06	22.078022	2.17843E-05	0.000282043	0.000321313
2079 Aug	94.55154419	0.051078826	0.027465984	0.001281649	14.27878571	0.025615044	21.16025734	0.000988871	0.000988871	5.11034E-06	0.00716151	0.001455912	0.028546618	0.022787653	5.11141E-06	22.39233971	2.23617E-05	0.000286407	0.000323328
2079 Sep	92.29197693	0.04951375	0.025649933	0.001253891	13.60094738	0.026175404	21.05486488	0.000982684	0.000982684	5.07617E-06	0.007129748	0.001418711	0.028486164	0.021582866	5.07812E-06	21.48976898	2.18427E-05	0.000273677	0.000299579
2079 Oct	91.6204834	0.050989278	0.024589924	0.001235358	13.2623148	0.026917847	21.38347054	0.000973888	0.000973888	5.03247E-06	0.007135307	0.001395364	0.028799832	0.020762064	5.03544E-06	20.98124695	2.14513E-05	0.000264201	0.000282876
2079 Nov	91.37025452	0.052537367	0.024207609	0.001230239	13.1650219	0.027451174	21.54990387	0.000970179	0.000970179	5.01391E-06	0.007152076	0.001384439	0.028950285	0.020387905	5.01764E-06	20.76113129	2.12454E-05	0.000259611	0.000274712
2079 Dec	91.22727203	0.053928018	0.023999816	0.001228485	13.11465359	0.027901618	21.68502235	0.000967481	0.000967481	5.0012E-06	0.007166778	0.001376573	0.029105635	0.020106955	5.00524E-06	20.59886551	2.10848E-05	0.000256107	0.000268559
2080 Jan	91.24620056	0.053954523	0.024001364	0.001228558	13.11551094	0.027909098	21.69394493	0.000967484	0.000967484	5.00134E-06	0.007167468	0.001376691	0.029118085	0.020105414	5.00536E-06	20.59988403	2.10851E-05	0.000256087	0.000268525
2080 Feb	91.25543976	0.053969201	0.024001323	0.001228625	13.11701965	0.027913911	21.69638443	0.000967563	0.000967563	5.00174E-06	0.007168225	0.001376823	0.029120663	0.020107482	5.00576E-06	20.60215569	2.10862E-05	0.000256107	0.000268545
2080 Mar	91.260849	0.053977776	0.024001056	0.001228679	13.11810589	0.027917141	21.69737053	0.000967633	0.000967633	5.00209E-06	0.007168815	0.001376919	0.029121539	0.020109251	5.00612E-06	20.60382843	2.10872E-05	0.000256125	0.000268564
2080 Apr	91.43102264	0.05408017	0.024045344	0.001230961	13.14273643	0.027969556	21.73763084	0.00096944	0.00096944	5.01142E-06	0.007182211	0.001379494	0.029175395	0.020147115	5.01546E-06	20.64249992	2.11264E-05	0.000256605	0.000269069
2080 May	92.53730774	0.054728396	0.024332291	0.001245568	13.30125618	0.028300414	22.00024605	0.000980981	0.000980981	5.07119E-06	0.007267782	0.001396192	0.029529573	0.020392451	5.07523E-06	20.89307785	2.13798E-05	0.000259714	0.000272387
2080 Jun	84.1531601	0.050924979	0.023106482	0.001234976	12.05676556	0.027727282	19.85979843	0.000965424	0.000965424	4.98033E-06	0.007239649	0.001279898	0.027716972	0.017792542	4.98427E-06	18.50254631	2.11594E-05	0.000237534	0.000226014
2080 Jul	80.35318756	0.046816286	0.022933841	0.001246936	11.39875317	0.027248917	18.83853722	0.000968862	0.000968862	4.99685E-06	0.007258239	0.001233636	0.02718259	0.016537052	4.99813E-06	17.32114601	2.13466E-05	0.000228147	0.0002046
2080 Aug	80.28131104	0.045482472	0.022358034	0.001253383	11.29080963	0.027765568	18.7813797	0.000986493	0.000986493	5.08422E-06	0.007343538	0.001244803	0.027265849	0.016514108	5.08509E-06	17.29008293	2.14617E-05	0.000228099	0.000201739

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Sep	79.26803589	0.044038661	0.021288937	0.001234573	11.03314114	0.028331684	18.68867302	0.000984086	0.000984086	5.0693E-06	0.00724966	0.001235511	0.027146479	0.016137885	5.07056E-06	17.00102615	2.07748E-05	0.000222559	0.000192906
2080 Oct	79.88166809	0.045566823	0.020884821	0.001222974	10.99156189	0.029006904	19.21919441	0.000975656	0.000975656	5.03163E-06	0.007198794	0.001233411	0.027716763	0.015870022	5.03249E-06	16.93937492	2.02772E-05	0.000217959	0.000187006
2080 Nov	80.94981384	0.048022296	0.021050893	0.001225423	11.1043644	0.029675689	19.79594612	0.000970676	0.000970676	5.01268E-06	0.007192485	0.001236195	0.028371422	0.015753949	5.01319E-06	16.99837112	2.00078E-05	0.000215314	0.000184105
2080 Dec	81.22770691	0.048265107	0.021092203	0.001226323	11.11985588	0.029739928	19.91595078	0.000970574	0.000970574	5.01389E-06	0.007196987	0.001238243	0.028534232	0.015752003	5.01402E-06	17.02447128	2.00112E-05	0.000215244	0.000184112
2081 Jan	81.25243378	0.04828554	0.021093709	0.001226428	11.12187958	0.029746609	19.92473984	0.000970664	0.000970664	5.01443E-06	0.007198018	0.001238508	0.028545721	0.015754372	5.01455E-06	17.02837181	2.00134E-05	0.000215269	0.000184145
2081 Feb	81.2567749	0.048294812	0.021092489	0.001226448	11.1230135	0.029749792	19.92528534	0.00097072	0.00097072	5.0147E-06	0.007198469	0.001238595	0.028545538	0.015756425	5.01482E-06	17.03017044	2.00138E-05	0.000215287	0.000184167
2081 Mar	81.27705383	0.048308909	0.02109717	0.001226734	11.12603283	0.029757414	19.9299984	0.000970958	0.000970958	5.01592E-06	0.007200234	0.001238913	0.028551951	0.015760934	5.01604E-06	17.03481293	2.00185E-05	0.000215344	0.000184222
2081 Apr	81.51628876	0.048449233	0.021158194	0.001230241	11.15848827	0.029842308	19.98896027	0.000973735	0.000973735	5.0303E-06	0.007220864	0.001242541	0.028636532	0.015807413	5.03041E-06	17.08498001	2.00763E-05	0.000215974	0.000184778
2081 May	84.86965179	0.054089319	0.022170143	0.001224769	12.54890823	0.029668221	19.68833733	0.000976948	0.000976948	5.03469E-06	0.007198229	0.001319068	0.027455315	0.018681601	5.03733E-06	19.17307854	2.01059E-05	0.00024052	0.000234982
2081 Jun	90.50115204	0.060317677	0.026401486	0.001243271	14.70603466	0.027899837	19.58645058	0.00095484	0.00095484	4.93041E-06	0.006920623	0.001423731	0.026708797	0.02272775	4.92864E-06	22.08714485	2.00814E-05	0.00027505	0.000314913
2081 Jul	94.83227539	0.06289383	0.027844738	0.001300919	15.38885307	0.028998453	20.56525612	0.000994713	0.000994713	5.14064E-06	0.007206981	0.001489202	0.028112885	0.023760147	5.1374E-06	23.09878349	2.09856E-05	0.000287491	0.000330379
2081 Aug	99.01564789	0.065295689	0.028877102	0.00135108	15.99274349	0.030156398	21.54547882	0.001034364	0.001034364	5.34906E-06	0.007496263	0.00155299	0.029508861	0.024719603	5.34439E-06	24.06246185	2.18459E-05	0.000299166	0.000344128
2081 Sep	100.0761871	0.065185376	0.028259687	0.001342223	16.06694031	0.030270979	21.75512505	0.001041718	0.001041718	5.38767E-06	0.007542369	0.00157278	0.029788902	0.025099866	5.38191E-06	24.40733528	2.19808E-05	0.000303445	0.000350189
2081 Oct	100.9169693	0.065345645	0.02763979	0.001329388	16.02147293	0.030340815	22.13042259	0.001041076	0.001041076	5.38755E-06	0.007557743	0.001579973	0.030200755	0.025147328	5.38121E-06	24.53406715	2.20125E-05	0.000303955	0.000351034
2081 Nov	101.063385	0.065565653	0.026915073	0.001310223	15.88799095	0.03034346	22.39225197	0.001033938	0.001033938	5.35097E-06	0.007534141	0.00157393	0.030317402	0.024988348	5.34581E-06	24.4822216	2.18804E-05	0.000301896	0.000348212
2081 Dec	101.1909027	0.065703206	0.026845435	0.001308696	15.8804245	0.030378642	22.46848869	0.001033527	0.001033527	5.34904E-06	0.007537122	0.001574061	0.030377632	0.024972973	5.3441E-06	24.48982811	2.1877E-05	0.000301702	0.000347863
2082 Jan	101.2212982	0.065716811	0.026845794	0.001308707	15.88132572	0.030381823	22.48115158	0.001033542	0.001033542	5.34925E-06	0.007537772	0.001574303	0.030393161	0.024973989	5.34429E-06	24.49344063	2.18795E-05	0.000301715	0.00034789
2082 Feb	101.2365036	0.065728769	0.026846645	0.001308808	15.88358212	0.030386064	22.48475266	0.001033665	0.001033665	5.34988E-06	0.007538739	0.001574529	0.030396679	0.024978168	5.34492E-06	24.49752235	2.1882E-05	0.000301761	0.000347949
2082 Mar	101.2794189	0.065757632	0.02685738	0.00130934	15.89046955	0.030398814	22.49407959	0.001034097	0.001034097	5.35211E-06	0.007541887	0.001575201	0.030408872	0.024989273	5.34715E-06	24.508255	2.18911E-05	0.000301892	0.000348105
2082 Apr	101.4977264	0.065899648	0.026915273	0.001312155	15.9248333	0.030464154	22.5424118	0.001036322	0.001036322	5.36362E-06	0.007558105	0.001578601	0.030474128	0.025043434	5.35866E-06	24.56126404	2.19382E-05	0.000302545	0.000348861
2082 May	102.5661774	0.066591658	0.027197834	0.001325919	16.09219742	0.030783547	22.77990532	0.001047197	0.001047197	5.41993E-06	0.007637444	0.001595211	0.030795483	0.025306931	5.41491E-06	24.81971169	2.21688E-05	0.000305727	0.000352537
2082 Jun	91.30508423	0.051162817	0.023476023	0.001236113	12.9340992	0.027055223	21.57889748	0.00098463	0.00098463	5.08671E-06	0.007340158	0.001374363	0.029247317	0.020028709	5.09102E-06	20.53956223	2.21598E-05	0.000261911	0.000268904
2082 Jul	84.31032562	0.042496573	0.023219939	0.001236751	11.44023228	0.025275087	20.23746681	0.000964654	0.000964654	4.98611E-06	0.007218886	0.00126107	0.028496582	0.017166212	4.98847E-06	18.04790688	2.22961E-05	0.000239154	0.000223775
2082 Aug	85.66487122	0.042597543	0.023214018	0.001261331	11.57664394	0.026025521	20.50376892	0.000992283	0.000992283	5.12679E-06	0.007406016	0.001289073	0.029035384	0.017449331	5.12858E-06	18.33987808	2.27797E-05	0.000243681	0.000225833
2082 Sep	85.2743454	0.042246293	0.022599258	0.001259713	11.4912672	0.02644882	20.35244942	0.001001347	0.001001347	5.17016E-06	0.007456915	0.001291274	0.028964953	0.017374571	5.1718E-06	18.26940536	2.27543E-05	0.000243178	0.000222399
2082 Oct	82.13039398	0.043431927	0.020763202	0.001211334	11.0550518	0.0269922	19.71148682	0.000977067	0.000977067	5.03992E-06	0.007310213	0.001248557	0.028056562	0.016534219	5.04224E-06	17.53553772	2.16717E-05	0.000231053	0.000204877
2082 Nov	82.6713562	0.043828379	0.020762701	0.001212389	11.07282162	0.027126862	19.93519783	0.000977899	0.000977899	5.04766E-06	0.007328236	0.001253537	0.028389238	0.01653363	5.04894E-06	17.5876255	2.17057E-05	0.000231059	0.000204849
2082 Dec	82.91654968	0.043882016	0.020798687	0.001213289	11.08041191	0.027143041	20.03214073	0.000978193	0.000978193	5.05078E-06	0.007333457	0.001255767	0.028534815	0.016539311	5.0516E-06	17.61263084	2.17326E-05	0.000231188	0.000205101
2083 Jan	82.94190216	0.043895781	0.02080079	0.001213405	11.08195591	0.027148064	20.04134178	0.000978282	0.000978282	5.05135E-06	0.007334459	0.001256036	0.028547859	0.01654114	5.05214E-06	17.61612892	2.17356E-05	0.000231212	0.000205131
2083 Feb	82.96408844	0.043909922	0.0208057	0.00121371	11.08520031	0.027155679	20.04638863	0.000978541	0.000978541	5.05269E-06	0.007336404	0.001256383	0.028554715	0.016546214	5.05348E-06	17.62128067	2.17411E-05	0.000231278	0.000205195
2083 Mar	83.01329041	0.043936431	0.020818032	0.001214421	11.09191036	0.027171601	20.05810356	0.000979117	0.000979117	5.05565E-06	0.007340705	0.001257133	0.028571311	0.016556369	5.05645E-06	17.63194275	2.17538E-05	0.000231417	0.000205324
2083 Apr	83.26535034	0.044070058	0.020881251	0.001218103	11.12566376	0.027253974	20.11891174	0.000982086	0.000982086	5.07099E-06	0.007362962	0.001260953	0.028657882	0.016606832	5.07178E-06	17.68559647	2.18198E-05	0.000232121	0.000205951
2083 May	89.84436798	0.048553664	0.021718498	0.00121583	12.18053913	0.027306665	21.78658104	0.000985528	0.000985528	5.09254E-06	0.007388452	0.001343071	0.029675709	0.018777501	5.0968E-06	19.66189957	2.21504E-05	0.000250871	0.000245592
2083 Jun	99.38269043	0.057176124	0.027088962	0.001217458	15.07399559	0.024884628	22.76482773	0.000938232	0.000938232	4.86793E-06	0.006869877	0.001489234	0.029374413	0.024272237	4.86933E-06	23.83007622	2.16657E-05	0.000294506	0.000355866
2083 Jul	100.7022171	0.057027444	0.027969843	0.001249707	15.28865528	0.025183564	22.99341965	0.000956468	0.000956468	4.96731E-06	0.006973836	0.00151416	0.0300078	0.02456712	4.96578E-06	24.0886879	2.20771E-05	0.000298581	0.000360813
2083 Aug	99.24316406	0.054367941	0.026591407	0.001241403	14.97547245	0.025764911	22.52789497	0.000973245	0.000973245	5.04374E-06	0.007011447	0.001516159	0.029470842	0.024390865	5.04301E-06	23.83299446	2.19006E-05	0.000295182	0.000354073
2083 Sep	98.36052704	0.053832851	0.025297394	0.001222791	14.57528973	0.026571568	22.73814583	0.000970395	0.000970395	5.02961E-06	0.006977501	0.001500262	0.029709116	0.023652975	5.02916E-06	23.33579826	2.13492E-05	0.00028569	0.000338469
2083 Oct	96.6247406	0.056830242	0.024042519	0.001202281	14.04992199	0.02807435	23.13863182	0.000951586	0.000951586	4.93818E-06	0.006930234	0.001452635	0.030187491	0.022082681	4.93853E-06	22.29572678	2.0384E-05	0.000266552	0.000306983
2083 Nov	96.86117554	0.058701679	0.024151385	0.0012071	13.98819733	0.028664248	23.54483414	0.000946193	0.000946193	4.91856E-06	0.006939828	0.001442957	0.030835349	0.021592859	4.91742E-06	22.03588676	2.0187E-05	0.000260954	0.00029774
2083 Dec	97.04540253	0.058755565	0.024173245	0.001207677	13.99272251	0.028680155	23.62050247	0.00094636	0.00094636	4.92064E-06	0.006943916	0.001444526	0.030946964	0.021593513	4.91916E-06	22.05280876	2.02059E-05	0.000261008	0.000297856
2084 Jan	97.0475769	0.058769103	0.024169641	0.001207661	13.99301624	0.028684922	23.62151527	0.0009464	0.0009464	4.92082E-06	0.006944495	0.001444552	0.030947372	0.021593511	4.91935E-06	22.05326271	2.02058E-05	0.000261005	0.000297837
2084 Feb	97.05632019	0.058780175	0.024170298	0.001207752	13.99458599	0.028689114	23.62342644	0.000946497	0.000946497	4.9213E-06	0.006945281	0.001444692	0.030949185	0.021595977	4.91984E-06	22.05568123	2.02074E-05	0.000261031	0.000297865
2084 Mar	97.11443329	0.058816936	0.024184391	0.001208467	14.00313854	0.028706564	23.63735962	0.000947066	0.000947066	4.92425E-06	0.006949461	0.001445565	0.030967239	0.021609301	4.92279E-06	22.06915474	2.02194E-05	0.00026119	0.000298048
2084 Apr	97.56195831	0.059087954	0.024295762	0.001214026	14.06769562	0.028838597	23.74622536	0.000951423	0.000951423	4.94691E-06	0.006981437	0.001452227	0.031109862	0.021709014	4.94544E-06	22.17093086	2.03125E-05	0.000262394	0.000299425
2084 May	100.0824661	0.063431822	0.024576832	0.001207239	14.99885559	0.028821649	23.60555267	0.000959274	0.000959274	4.9745E-06	0.007044667	0.00150658	0.030252915	0.023717014	4.97663E-06	23.66631508	2.0567E-05	0.000280596	0.00033337
2084 Jun	100.9669724	0.065362498	0.02827514	0.001213893	16.39846039	0.026068065	22.2138958	0.000923846	0.000923846	4.79883E-06	0.00667746	0.001547506	0.028524557	0.026386743	4.7946E-06	25.26625443	2.04223E-05	0.000304643	0.000391049
2084 Jul	103.1854401	0.065946199	0.029051302	0.001247404	16.73963737	0.026480051	22.62078094	0.000948893	0.000948893	4.93099E-06	0.006850899	0.001585196	0.029272467	0.026979629	4.92481E-06	25.80622101	2.10665E-05	0.000312517	0.000400468
2084 Aug	104.8161926	0.06617742	0.028975891	0.001264662	16.92873955	0.027088849	22.94056511	0.000972422	0.000972422	5.0512E-06	0.007003854	0.001616839	0.029781314	0.027432371	5.04439E-06	26.23149681	2.14767E-05	0.000318144	0.000406104
2084 Sep	103.915741	0.064464569	0.027745634	0.001245513	16.55340195	0.02731373	22.93042755	0.000972268	0.000972268	5.04896E-06	0.006987182	0.00160344	0.029843757	0.026908476	5.0422E-06	25.85812187	2.12314E-05	0.000313351	0.000395544
2084 Oct	102.5585709	0.064349227	0.026075231	0.001215353	15.97064018	0.02790273	23.20962143	0.000961493	0.000961493	4.99186E-06	0.006966352	0.001567097	0.030036131	0.025760669	4.9876E-06	25.10530853	2.07548E-05	0.000301583	0.000373007
2084 Nov	102.1584778	0.064803258	0.025503516	0.001206085	15.79099369	0.028207477	23.32926178	0.000958378	0.000958378	4.97526E-06	0.006975888	0.001554988	0.030128084	0.025364168	4.97192E-06	24.85497475	2.06096E-05	0.000297448	0.000364897
2084 Dec	102.298645	0.064838603	0.025512354	0.00120651	15.79500008	0.02822179	23.38368988	0.000958668	0.000958668	4.97763E-06	0.006979904	0.001556339	0.030210648	0.025368501	4.97402E-06	24.87019348	2.06264E-05	0.000297537	0.000365033
2085 Jan	102.3840256	0.064852476	0.02552015	0.001206657	15.79531097	0.028225422	23.42087936	0.000958647	0.000958647	4.97816E-06	0.006981122	0.001556986	0.030265734	0.025366109	4.97437E-06	24.87634277	2.06342E-05	0.000297536	0.00036506
2085 Feb	102.4049911	0.06486313	0.025522735	0.001206782	15.79700565	0.028229464	23.42791176	0.000958744	0.000958744	4.97873E-06	0.006982036	0.001557223	0.030275175	0.025368491	4.97492E-06	24.87976456	2.0637E-05	0.000297565	0.000365098
2085 Mar	102.4282684	0.064878277	0.025528431	0.001207048	15.8006773	0.028235767	23.43313026	0.000958957	0.000958957	4.97984E-06	0.00698359	0.00155758	0.030281823	0.025374478	4.97603E-06	24.88556099	2.06416E-05	0.000297635	0.000365185
2085 Apr	102.677887	0.06503658	0.025590658	0.001209987	15.83925438	0.028304484	23.49013901	0.000961293	0.000961293	4.99196E-06	0.007000591	0.001561379	0.030355448	0.025436496	4.98815E-06	24.94631958	2.06919E-05	0.000298361	0.000366079
2085 May	104.2125931	0.067177832	0.025223428	0.001199774	16.182621	0.028459655	23.72412682	0.000966473	0.000966473	5.00863E-06	0.007061881	0.001584457	0.030035671	0.026260858	5.00962E-06	25.63876534	2.08551E-05	0.000305917	0.000378964
2085 Jun	105.3309937	0.068505414	0.026564375	0.00120182	16.89614868	0.027413579	23.27924728	0.000958928	0.000958928	4.96541E-06	0.006964829	0.00161357	0.029131258	0.027749306	4.9672E-06	26.62143707	2.09814E-05	0.000319605	0.000408469
2085 Jul	108.4921799	0.070000902	0.027043968	0.001233648	17.38102341	0.028185712	23.89199448	0.000991389	0.000991389	5.1327E-06	0.007191099	0.001667935	0.029949952	0.028705433	5.13373E-06	27.48903084	2.16875E-05	0.000330489	0.000422724
2085 Aug	108.4949036	0.06821987	0.0262141	0.001224976	17.2060833	0.02842902	23.9740448	0.000998782	0.000998782	5.16984E-06	0.00719471	0.001674558	0.030094055	0.028640613	5.17034E-06	27.45193863	2.1589E-05	0.000329457	0.000420411
2085 Sep	107.0281982	0.065897569	0.024591865	0.001193066	16.46610069	0.029014638	24.45272827	0.000982853	0.000982853	5.09146E-06	0.007052921	0.001632495	0.030654868	0.027178355	5.09331E-06	26.49607277	2.06846E-05	0.000314225	0.000393296
2085 Oct	107.5850601	0.067227662	0.024533773	0.001195344	16.04018402	0.029803075	25.6651535	0.000967175	0.000967175	5.02951E-06	0.007021764	0.001600797	0.032345731	0.025738683	5.02963E-06	25.70708656	2.02972E-05	0.00029964	0.000368402
2085 Nov	107.8384094	0.06829112	0.024625111	0.001199467	15.85072327	0.030229582	26.25383186	0.000959274	0.000959274	4.9989E-06	0.00701648	0.001584163	0.033204086	0.025004122	4.9979E-06	25.29775429	2.0134E-05	0.000292178	0.000355707
2085 Dec	107.948288	0.068324924	0.024630811	0.00119971	15.85173798	0.030241359	26.30138016	0.000959368	0.000959368	5.00011E-06	0.007019191	0.001585018	0.03327259	0.02500144	4.99892E-06	25.30625534	2.01451E-05	0.000292181	0.000355714
2086 Jan	107.9598846	0.06833645	0.02462819	0.001199703	15.85155392	0.030245533	26.30727386	0.000959388	0.000959388	5.00026E-06	0.007019782	0.00158508	0.033279661	0.025000209	4.99907E-06	25.30680275	2.0146E-05	0.00029217	0.000355685
2086 Feb	107.9639511	0.068343878	0.024627404	0.001199724	15.8521719	0.030248119	26.3085289	0.000959428	0.000959428	5.00045E-06	0.007020178	0.00158513	0.033280261	0.025001073	4.99927E-06	25.30784416	2.01465E-05	0.000292178	0.00035569
2086 Mar	107.994873	0.068365417	0.024633264	0.001200046	15.85665512	0.030257326	26.31619072	0.000959701	0.000959701	5.00187E-06	0.007022231	0.00158558	0.033289634	0.025008187	5.00069E-06	25.31512451	2.01521E-05	0.00029226	0.000355788
2086 Apr	108.354599	0.068593189	0.024715044	0.001204031	15.9094429	0.030357921	26.40386772	0.000962891	0.000962891	5.0185E-06	0.00704558	0.001590861	0.03340055	0.025091518	5.01731E-06	25.39946938	2.02191E-05	0.000293233	0.000356975
2086 May	109.5971069	0.06996841	0.024622729	0.001208515	16.105093	0.030720854	26.69807816	0.000972646	0.000972646	5.06479E-06	0.007135226	0.001608293	0.033533897	0.025481952	5.06577E-06	25.77495384	2.04424E-05	0.000297269	0.000362238
2086 Jun	104.0420303	0.065426722	0.026224297	0.001197071	16.00261307	0.027218925	24.12572289	0.000936226	0.000936226	4.86807E-06	0.006844462	0.001551645	0.03059053	0.025619071	4.86774E-06	25.20593262	2.0653E-05	0.000300534	0.000374519
2086 Jul	104.1023788	0.062971823	0.027016377	0.00123998	15.83017254	0.027184084	24.13110542	0.000960911	0.000960911	5.00224E-06	0.007027514	0.001555688	0.03137679	0.025185982	4.99747E-06	24.87333679	2.15008E-05	0.000300861	0.000367389
2086 Aug	104.4876022	0.061172213	0.026232641	0.001246968	15.61690903	0.027689978	24.34645271	0.000982008	0.000982008	5.10996E-06	0.007158905	0.001567637	0.031861406	0.025007784	5.10432E-06	24.79295158	2.18216E-05	0.000300519	0.000361985
2086 Sep	101.9490509	0.057482503	0.024189752	0.001216653	14.75533295	0.028254734	24.33063316	0.000976579	0.000976579	5.07789E-06	0.00707378	0.001522987	0.031897876	0.023514805	5.07441E-06	23.70671463	2.10919E-05	0.000285929	0.000332973
2086 Oct	102.4231186	0.057589196	0.023573851	0.001208548	14.53283215	0.028706234	24.89441299	0.000974536	0.000974536	5.07285E-06	0.00708531	0.00151677	0.032623019	0.02301552	5.06887E-06	23.47833252	2.09437E-05	0.000281051	0.000323395
2086 Nov	102.826149	0.057719257	0.023618402	0.001210874	14.55770016	0.028771071	25.03429604	0.000976321	0.000976321	5.08382E-06	0.007101714	0.001521252	0.032826938	0.023050426	5.07932E-06	23.53624916	2.10013E-05	0.000281554	0.000324025
2086 Dec	102.9736099	0.057738591	0.023625828	0.001211192	14.56059933	0.028779987	25.09219933	0.00097653	0.00097653	5.08591E-06	0.00710502	0.00152265	0.032916542	0.023054264	5.08109E-06	23.55158234	2.10181E-05	0.00028164	0.000324186
2087 Jan	102.9933548	0.057744518	0.023626035	0.001211243	14.56099892	0.028783111	25.10043335	0.000976576	0.000976576	5.08624E-06	0.007105609	0.00152282	0.032927759	0.023054395	5.0814E-06	23.55355263	2.102E-05	0.000281647	0.000324192
2087 Feb	103.0153503	0.057757638	0.023630252	0.001211482	14.56402874	0.028789563	25.10601616	0.000976778	0.000976778	5.08729E-06	0.007107093	0.001523138	0.032934617	0.023059214	5.08245E-06	23.55857468	2.10242E-05	0.000281705	0.000324258
2087 Mar	103.0902252	0.057799876	0.023647446	0.001212358	14.57470322	0.028810361	25.12413788	0.000977485	0.000977485	5.09097E-06	0.007112233	0.001524248	0.03295834	0.023076199	5.08613E-06	23.57583427	2.10394E-05	0.000281911	0.000324497
2087 Apr	103.265274	0.057898179	0.023687618	0.001214414	14.59950542	0.028859215	25.16672325	0.000979144	0.000979144	5.09961E-06	0.007124296	0.001526839	0.033014171	0.023115519	5.09476E-06	23.61595154	2.10751E-05	0.000282391	0.000325051
2087 May	103.4864502	0.058939107	0.023559133	0.001207336	14.84826088	0.028848751	24.93736458	0.000980975	0.000980975	5.09909E-06	0.00712485	0.001538035	0.032342289	0.023724077	5.0977E-06	24.03096008	2.10432E-05	0.000287561	0.000334631
2087 Jun	102.5235214	0.060893718	0.024613556	0.001181875	15.76327896	0.027160786	23.28835297	0.000959148	0.000959148	4.96654E-06	0.006892957	0.001559131	0.029525738	0.02587715	4.9692E-06	25.23645592	2.07399E-05	0.000305214	0.000375819
2087 Jul	103.985611	0.060981259	0.02459351	0.001198412	15.98931503	0.027525492	23.41334534	0.000983309	0.000983309	5.08862E-06	0.007055638	0.001593328	0.029800346	0.026495112	5.09024E-06	25.73251152	2.12808E-05	0.000312575	0.000384832

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Aug	106.9515533	0.062077887	0.025024293	0.00122901	16.36399078	0.02832007	24.12136841	0.001012676	0.001012676	5.24231E-06	0.007257807	0.001640668	0.030776653	0.027195342	5.24281E-06	26.42574692	2.18874E-05	0.000320783	0.000394874
2087 Sep	108.6004562	0.062300503	0.024793036	0.001236351	16.41768646	0.02879364	24.69698143	0.001025758	0.001025758	5.31433E-06	0.007356476	0.001662791	0.031578422	0.027356116	5.3133E-06	26.67825508	2.21465E-05	0.000322822	0.000396643
2087 Oct	109.1793823	0.062184859	0.024234509	0.001225909	16.19187737	0.02898211	25.29856873	0.00102122	0.00102122	5.29668E-06	0.007355637	0.001657321	0.032237489	0.026933042	5.29545E-06	26.49084473	2.20816E-05	0.000318139	0.000389376
2087 Nov	109.227211	0.062267981	0.023976207	0.001221252	16.09450722	0.029092032	25.48807335	0.001019165	0.001019165	5.28653E-06	0.007355623	0.001652459	0.03238162	0.026736623	5.28606E-06	26.38711929	2.20298E-05	0.000315901	0.000385678
2087 Dec	109.4709854	0.062297244	0.023994958	0.001221732	16.0976181	0.029101925	25.58888245	0.001019296	0.001019296	5.28892E-06	0.007359825	0.001654528	0.032532051	0.026737368	5.28794E-06	26.4090519	2.20553E-05	0.000315975	0.000385875
2088 Jan	109.5275497	0.062308978	0.023999622	0.001221886	16.09899521	0.0291063	25.61185265	0.001019371	0.001019371	5.28964E-06	0.007361096	0.001655022	0.032564636	0.026738454	5.28858E-06	26.414814	2.20614E-05	0.000315999	0.000385925
2088 Feb	109.5358353	0.062314603	0.02399982	0.00122194	16.09996033	0.029108727	25.61421204	0.001019435	0.001019435	5.28997E-06	0.007361608	0.001655135	0.032567028	0.026740219	5.28891E-06	26.41671944	2.20627E-05	0.000316018	0.000385948
2088 Mar	109.6181946	0.062362138	0.024017613	0.001222852	16.11214828	0.029130707	25.6333828	0.001020202	0.001020202	5.29395E-06	0.007367141	0.001656383	0.03259116	0.026760556	5.29289E-06	26.43673897	2.20792E-05	0.000316257	0.000386242
2088 Apr	110.3200836	0.06276191	0.024171459	0.001230674	16.21547508	0.029317005	25.79729462	0.00102673	0.00102673	5.32782E-06	0.007414267	0.001666995	0.032799475	0.026932299	5.32675E-06	26.60625267	2.22205E-05	0.000318285	0.000388722
2088 May	111.9008484	0.06367553	0.024501074	0.001247608	16.44910622	0.029729007	26.16422844	0.001041146	0.001041146	5.40263E-06	0.007518523	0.001690968	0.033260521	0.027327085	5.40153E-06	26.99330139	2.2533E-05	0.000322886	0.00039447
2088 Jun	98.59873199	0.054762259	0.020394821	0.001169937	14.24159336	0.027951978	22.75666618	0.001012921	0.001012921	5.21176E-06	0.00741432	0.001513465	0.02890964	0.023883363	5.22305E-06	23.6828804	2.21576E-05	0.000292721	0.000331687
2088 Jul	97.45169067	0.052584566	0.01998427	0.001190113	13.8946104	0.028073259	22.39429092	0.001037974	0.001037974	5.334E-06	0.007632331	0.001504835	0.028872596	0.023342855	5.3454E-06	23.22280502	2.29181E-05	0.000291859	0.00032
2088 Aug	102.1753769	0.05471395	0.020788271	0.001241606	14.46916485	0.029332699	23.59046936	0.001083581	0.001083581	5.57346E-06	0.007972054	0.001574647	0.030534895	0.024309756	5.58343E-06	24.24446106	2.39547E-05	0.000304301	0.000333505
2088 Sep	103.5529785	0.054612435	0.02064413	0.001250781	14.45525742	0.029662916	24.11603737	0.001095406	0.001095406	5.64068E-06	0.00807431	0.001590356	0.031404346	0.024298012	5.64835E-06	24.36303711	2.42831E-05	0.000305636	0.000332804
2088 Oct	99.8504715	0.053614277	0.018838128	0.001207039	13.59025764	0.029583659	23.76386642	0.001067244	0.001067244	5.49335E-06	0.007948064	0.001518995	0.030887906	0.022610081	5.50342E-06	23.04518127	2.35894E-05	0.000288093	0.000302781
2088 Nov	99.24768829	0.054048534	0.018502887	0.001199899	13.44545269	0.029734438	23.76067734	0.001062052	0.001062052	5.46633E-06	0.007938513	0.001505254	0.03085213	0.022256158	5.47704E-06	22.79120445	2.34402E-05	0.000284256	0.000296016
2088 Dec	99.41730499	0.054083463	0.018515296	0.001200383	13.44953442	0.029747695	23.82777023	0.001062322	0.001062322	5.46884E-06	0.007942823	0.001506814	0.030953906	0.02225963	5.4792E-06	22.80839729	2.34603E-05	0.000284346	0.000296172
2089 Jan	99.42773438	0.054093521	0.018514838	0.001200433	13.45009804	0.02975142	23.8318119	0.001062375	0.001062375	5.46915E-06	0.007943493	0.001506916	0.030959414	0.022259912	5.4795E-06	22.80963516	2.34617E-05	0.000284352	0.00029617
2089 Feb	99.43888855	0.054103434	0.018516207	0.001200567	13.45187283	0.029755859	23.83424377	0.001062508	0.001062508	5.46982E-06	0.007944524	0.001507094	0.030962197	0.022262825	5.48018E-06	22.81251335	2.34643E-05	0.000284387	0.000296205
2089 Mar	99.53017426	0.054153625	0.018533222	0.001201662	13.46434402	0.029783033	23.85597038	0.001063478	0.001063478	5.47481E-06	0.007951776	0.001508482	0.030990351	0.02228355	5.48518E-06	22.83363342	2.34858E-05	0.00028465	0.000296482
2089 Apr	99.93244171	0.054372735	0.018608181	0.001206513	13.51884937	0.029903244	23.95227432	0.001067773	0.001067773	5.49692E-06	0.007983875	0.001514582	0.031115411	0.022373825	5.50733E-06	22.92605019	2.35806E-05	0.000285802	0.000297685
2089 May	99.92156982	0.056757003	0.018848101	0.001195675	14.0067482	0.029685197	23.3378582	0.001062756	0.001062756	5.46124E-06	0.007936647	0.001531143	0.029989449	0.023412727	5.47358E-06	23.57294846	2.34168E-05	0.000293982	0.000315523
2089 Jun	98.78431702	0.060754046	0.02029996	0.001155645	15.26289749	0.027770514	21.23520851	0.001024311	0.001024311	5.24887E-06	0.007570497	0.001562194	0.026749324	0.026181221	5.26063E-06	25.12983704	2.26289E-05	0.000314818	0.000368989
2089 Jul	101.6440125	0.061442457	0.020626448	0.001179194	15.63610554	0.028296955	21.83405495	0.001050359	0.001050359	5.38669E-06	0.007742197	0.001611279	0.027618654	0.027000753	5.39611E-06	25.87575912	2.32198E-05	0.000323878	0.000382038
2089 Aug	104.8236847	0.061971273	0.020982863	0.001205028	15.95528603	0.029003056	22.71340752	0.001075945	0.001075945	5.52448E-06	0.007902065	0.001659489	0.028793527	0.027651945	5.53183E-06	26.55057144	2.37238E-05	0.000330774	0.000392062
2089 Sep	106.7783279	0.061831437	0.02070603	0.001202509	15.85605907	0.029388668	23.77760315	0.001075545	0.001075545	5.53401E-06	0.007900519	0.001671018	0.030060312	0.027442418	5.53975E-06	26.61310196	2.36686E-05	0.000327766	0.000388926
2089 Oct	106.0599442	0.06285724	0.019428182	0.001161677	15.14217758	0.029947469	24.95289993	0.001036942	0.001036942	5.34615E-06	0.007701077	0.001614471	0.030970361	0.025709337	5.35528E-06	25.56827545	2.26035E-05	0.0003062	0.000358982
2089 Nov	106.2582321	0.063427605	0.019308861	0.001159788	15.09523392	0.030147053	25.17506027	0.001034747	0.001034747	5.33674E-06	0.007705024	0.00161122	0.031203074	0.025536304	5.34608E-06	25.49353027	2.25368E-05	0.000304126	0.000355633
2089 Dec	106.4024353	0.063463494	0.019312598	0.001160171	15.09987259	0.030162439	25.22926712	0.001035104	0.001035104	5.33946E-06	0.007709461	0.001612686	0.03128574	0.025543414	5.3485E-06	25.51081467	2.25547E-05	0.00030424	0.000355814
2090 Jan	106.4368668	0.063480452	0.01931395	0.001160339	15.10224724	0.030169517	25.24087906	0.001035273	0.001035273	5.34046E-06	0.007711083	0.001613086	0.031302102	0.025547115	5.34947E-06	25.51629639	2.25596E-05	0.000304287	0.000355873
2090 Feb	106.4605408	0.063496903	0.019317569	0.001160579	15.10568333	0.030176636	25.24654007	0.001035496	0.001035496	5.3416E-06	0.007712773	0.001613443	0.031308774	0.025552925	5.35062E-06	25.52209663	2.25643E-05	0.000304353	0.000355952
2090 Mar	106.5357971	0.063542157	0.019331019	0.001161386	15.11636353	0.030197797	25.2644062	0.001036218	0.001036218	5.34533E-06	0.007718162	0.001614582	0.031330902	0.025571041	5.35435E-06	25.54017448	2.25801E-05	0.000304568	0.000356206
2090 Apr	106.7963943	0.06369777	0.019378358	0.001164224	15.15340996	0.030271573	25.32611084	0.001038751	0.001038751	5.3584E-06	0.007737021	0.001618534	0.031407386	0.025633754	5.36744E-06	25.60274887	2.26353E-05	0.000305314	0.00035708
2090 May	108.9225082	0.064603552	0.019617904	0.00117266	15.31851864	0.030509423	26.0876503	0.001044894	0.001044894	5.39497E-06	0.007798752	0.001638958	0.032216772	0.025896903	5.40416E-06	25.9688015	2.28841E-05	0.000308218	0.000361842
2090 Jun	114.4520416	0.063385658	0.023439432	0.001167926	15.67408657	0.027147584	28.77952385	0.000967603	0.000967603	5.0422E-06	0.007242298	0.001629536	0.034689084	0.026076986	5.05073E-06	26.52305031	2.27054E-05	0.000308506	0.000384908
2090 Jul	114.399826	0.061948296	0.023831505	0.001196953	15.63109875	0.027230259	28.59082794	0.000989316	0.000989316	5.15471E-06	0.007394851	0.001637701	0.03496933	0.025988379	5.16077E-06	26.42090607	2.33187E-05	0.000310946	0.000382668
2090 Aug	108.9199677	0.056121502	0.02176285	0.001167675	14.59158897	0.027488379	27.37807083	0.000984019	0.000984019	5.11607E-06	0.007247766	0.001573084	0.033855483	0.024269052	5.12309E-06	24.88328171	2.23676E-05	0.000293898	0.000349346
2090 Sep	107.0123291	0.056162957	0.021390995	0.001165601	14.00698376	0.028770376	27.74933624	0.000964338	0.000964338	5.0324E-06	0.007088065	0.001520724	0.035026792	0.022362752	5.03478E-06	23.60063171	2.11428E-05	0.000274316	0.000314282
2090 Oct	103.7135315	0.061291445	0.021051655	0.001164765	13.55200958	0.030654898	27.58856392	0.000938315	0.000938315	4.91192E-06	0.007018789	0.00145033	0.035519719	0.020284507	4.91042E-06	22.10188866	1.98838E-05	0.000251097	0.000273664
2090 Nov	103.1298065	0.063378088	0.021104619	0.001166282	13.48333645	0.031136431	27.62358475	0.000930409	0.000930409	4.87739E-06	0.007019188	0.001434308	0.035779729	0.019785075	4.87391E-06	21.75605965	1.96442E-05	0.000245289	0.000264189
2090 Dec	103.336853	0.063439362	0.021116052	0.001166745	13.48805904	0.031155501	27.70719337	0.000930648	0.000930648	4.88001E-06	0.007024376	0.001436134	0.035905126	0.019787284	4.87609E-06	21.77612686	1.96668E-05	0.000245366	0.000264339
2091 Jan	103.4128189	0.06346117	0.021119982	0.001166865	13.4895277	0.031161165	27.73836327	0.000930689	0.000930689	4.88075E-06	0.007025991	0.001436779	0.035951477	0.019787706	4.87667E-06	21.78325844	1.96744E-05	0.000245388	0.000264395
2091 Feb	103.4335403	0.063471653	0.021120671	0.001166911	13.49051762	0.031164035	27.74613571	0.000930729	0.000930729	4.88106E-06	0.007026642	0.001436982	0.035962645	0.019788925	4.87695E-06	21.78594208	1.96767E-05	0.000245403	0.000264421
2091 Mar	103.5570068	0.063548557	0.021145443	0.001168281	13.50663757	0.031201066	27.77924156	0.000931827	0.000931827	4.88683E-06	0.007034972	0.001438696	0.036005508	0.019812658	4.8827E-06	21.8120327	1.96999E-05	0.000245696	0.00026474
2091 Apr	104.0429382	0.063846983	0.02124472	0.00117376	13.57012081	0.031347334	27.90944099	0.000936198	0.000936198	4.90975E-06	0.00706796	0.001445452	0.036174208	0.019905891	4.90561E-06	21.91454124	1.97923E-05	0.000246851	0.000265987
2091 May	104.9870987	0.065844759	0.021454219	0.00117962	14.01712418	0.031519044	27.66778946	0.000947886	0.000947886	4.96186E-06	0.007153831	0.001474092	0.035684075	0.020860551	4.95906E-06	22.59083557	2.00474E-05	0.000255997	0.000281098
2091 Jun	103.9724274	0.068583705	0.023632033	0.001163449	15.7241621	0.028663706	24.48904037	0.000938112	0.000938112	4.8845E-06	0.006974537	0.001544762	0.031331412	0.025008772	4.87992E-06	24.91578674	2.04011E-05	0.0002937	0.000359323
2091 Jul	107.9669647	0.070502408	0.024508364	0.001208381	16.31947708	0.029540893	25.31351852	0.000977165	0.000977165	5.08885E-06	0.00726054	0.001609135	0.032537121	0.026078967	5.08239E-06	25.9219799	2.13523E-05	0.000306753	0.000375655
2091 Aug	107.5072174	0.067919835	0.023511341	0.001199057	16.07098007	0.029645063	25.19219398	0.000987876	0.000987876	5.1395E-06	0.007284653	0.001611877	0.032468189	0.025964523	5.13304E-06	25.8144722	2.13609E-05	0.00030646	0.000372223
2091 Sep	107.0703964	0.065096423	0.022331733	0.001180638	15.59988117	0.030038703	25.59597397	0.000985309	0.000985309	5.12819E-06	0.007205302	0.001594842	0.033029526	0.025160337	5.12216E-06	25.33543587	2.08424E-05	0.000299321	0.000356929
2091 Oct	107.2471924	0.065048069	0.021506989	0.001162204	15.09467697	0.030538423	26.62378883	0.000967861	0.000967861	5.04873E-06	0.007127441	0.001562546	0.034180686	0.023906235	5.04367E-06	24.64984703	2.03268E-05	0.000286501	0.000334997
2091 Nov	106.9993744	0.066229619	0.021233043	0.001158077	14.7890641	0.031093139	27.21415138	0.000955499	0.000955499	4.99282E-06	0.007097306	0.001534541	0.034911163	0.022920176	4.98829E-06	24.06283379	1.99711E-05	0.000276088	0.000317246
2091 Dec	107.1352844	0.066354714	0.021223176	0.001158359	14.78346157	0.031140236	27.29120636	0.000955479	0.000955479	4.99379E-06	0.007102499	0.001534939	0.035019629	0.022889262	4.98903E-06	24.05812263	1.99774E-05	0.000275798	0.000316696
2092 Jan	107.2938385	0.066377223	0.02123546	0.001158602	14.78495216	0.031145599	27.35887337	0.000955465	0.000955465	4.99485E-06	0.007104758	0.001536164	0.035118125	0.022887344	4.98976E-06	24.071113	1.99926E-05	0.000275818	0.000316792
2092 Feb	107.3451004	0.066395	0.021240626	0.001158817	14.78775883	0.03115206	27.37773323	0.000955611	0.000955611	4.99585E-06	0.007106376	0.001536673	0.035144277	0.022890927	4.99068E-06	24.078022	1.99988E-05	0.000275867	0.000316867
2092 Mar	107.4951019	0.06648843	0.021270132	0.001160423	14.80852699	0.031195398	27.41585159	0.000956939	0.000956939	5.00279E-06	0.007116259	0.001538824	0.035193067	0.022923224	4.99762E-06	24.111866	2.00266E-05	0.000276255	0.000317315
2092 Apr	107.9130783	0.066747218	0.021352906	0.001164931	14.86621952	0.031316552	27.52228928	0.000960658	0.000960658	5.02223E-06	0.007143905	0.001544813	0.035329644	0.023012633	5.01704E-06	24.20578957	2.01044E-05	0.000277331	0.000318554
2092 May	110.6731491	0.068211094	0.021775516	0.00117062	15.29316807	0.031226562	28.1691246	0.000968174	0.000968174	5.06024E-06	0.007208344	0.001580526	0.035701774	0.023943577	5.05717E-06	25.03636169	2.05135E-05	0.000286468	0.0003355
2092 Jun	109.1710815	0.06357906	0.025500793	0.001157509	16.03166962	0.025869364	26.237257	0.000912666	0.000912666	4.7816E-06	0.00670263	0.001584532	0.033163313	0.026047254	4.77266E-06	25.94501686	2.09534E-05	0.000305828	0.000391385
2092 Jul	106.8937531	0.059295855	0.025439516	0.001171347	15.44293785	0.025218222	25.6826458	0.000920352	0.000920352	4.82605E-06	0.006772465	0.001556365	0.033266541	0.025036186	4.81227E-06	25.04305458	2.14787E-05	0.000299861	0.000375407
2092 Aug	110.593689	0.060201898	0.025790745	0.001202472	15.74989986	0.026030453	26.78060722	0.000950223	0.000950223	4.98848E-06	0.006997378	0.001606076	0.034841977	0.025585489	4.97189E-06	25.71489716	2.22065E-05	0.000307468	0.000383464
2092 Sep	112.6115952	0.058657695	0.025012981	0.001196959	15.42214203	0.026289782	27.99650574	0.000955253	0.000955253	5.02805E-06	0.007058735	0.001614329	0.036496527	0.025073983	5.00846E-06	25.60420227	2.24374E-05	0.000303969	0.000375189
2092 Oct	114.6779861	0.058049787	0.024283348	0.001185635	15.08238888	0.026530715	29.43263245	0.000951218	0.000951218	5.01849E-06	0.00708132	0.001611874	0.038051326	0.024422098	4.99944E-06	25.43562317	2.25227E-05	0.000298123	0.00036464
2092 Nov	115.5827332	0.058031768	0.024107732	0.001183338	15.00336742	0.026629733	29.96201134	0.000950484	0.000950484	5.0195E-06	0.007095866	0.001613992	0.038653053	0.024257189	5.00021E-06	25.42963791	2.25817E-05	0.000296707	0.000362125
2092 Dec	115.7045517	0.058060206	0.024116104	0.00118383	15.00843334	0.026643964	30.00791359	0.000950874	0.000950874	5.02208E-06	0.007099948	0.001615182	0.03871626	0.02426425	5.00264E-06	25.44514465	2.2598E-05	0.000296819	0.000362278
2093 Jan	115.7668991	0.058065772	0.02411719	0.001183892	15.0084095	0.026647031	30.03527832	0.000950902	0.000950902	5.02261E-06	0.007101005	0.001615643	0.038753547	0.024263216	5.00307E-06	25.45026398	2.26041E-05	0.000296825	0.000362301
2093 Feb	115.8042831	0.058076218	0.024120685	0.001184073	15.01068783	0.026651816	30.04848289	0.000951049	0.000951049	5.0235E-06	0.007102367	0.001616036	0.038770963	0.024266805	5.00394E-06	25.45591164	2.26094E-05	0.000296874	0.000362368
2093 Mar	116.073494	0.058195017	0.024170162	0.001186484	15.0413475	0.026705984	30.12320709	0.000952981	0.000952981	5.03398E-06	0.00711723	0.001619623	0.038871463	0.024316555	5.01428E-06	25.51083946	2.26588E-05	0.00029749	0.000363145
2093 Apr	116.561554	0.058437061	0.024270674	0.001191412	15.10391617	0.026816873	30.25061989	0.000956939	0.000956939	5.05494E-06	0.007146861	0.001626407	0.039036587	0.024417784	5.03514E-06	25.61745262	2.27535E-05	0.00029873	0.000364663
2093 May	118.678215	0.059402607	0.024021249	0.001190269	15.3302536	0.027037909	30.90453148	0.00096718	0.00096718	5.09878E-06	0.007227254	0.001649868	0.039158762	0.025019199	5.08532E-06	26.22113228	2.30392E-05	0.000304648	0.000373784
2093 Jun	116.1212921	0.059595793	0.024532616	0.001153992	15.94143391	0.025121519	29.02789879	0.000941851	0.000941851	4.93065E-06	0.006944184	0.001643549	0.035354637	0.026773212	4.93116E-06	27.05792999	2.25733E-05	0.000317658	0.000406837
2093 Jul	117.7967987	0.059942793	0.024981031	0.001184959	16.21365547	0.025640382	29.23247337	0.000969895	0.000969895	5.07548E-06	0.007137165	0.001678646	0.035890043	0.027302608	5.07408E-06	27.5093956	2.32101E-05	0.000324824	0.000414253
2093 Aug	119.9995117	0.060289908	0.025041357	0.001206352	16.42181015	0.026284453	29.77649498	0.00099494	0.00099494	5.20728E-06	0.007309182	0.001715516	0.036734909	0.027764723	5.20399E-06	27.98577309	2.37193E-05	0.000330639	0.000420461
2093 Sep	120.1850586	0.059689716	0.024264578	0.001198471	16.15001297	0.02668231	30.19763947	0.000996829	0.000996829	5.22041E-06	0.007336282	0.001710571	0.037291884	0.027292406	5.21651E-06	27.73314667	2.36501E-05	0.000325883	0.000411158
2093 Oct	115.3045654	0.061112653	0.021796403	0.001148932	15.08657932	0.027749605	29.86970901	0.000965082	0.000965082	5.05065E-06	0.007234285	0.001617107	0.036657017	0.024891537	5.05151E-06	25.91981125	2.24557E-05	0.000298721	0.000364549
2093 Nov	114.0438461	0.063425392	0.02119376	0.001142305	14.79610634	0.02860947	29.9593277	0.000955982	0.000955982	5.00699E-06	0.007251268	0.001586381	0.036880907	0.023930596	5.00773E-06	25.25761795	2.20606E-05	0.000287949	0.000345304
2093 Dec	114.1648636	0.06348341	0.02119671	0.001142753	14.80083752	0.028632104	30.00600052	0.000956371	0.000956371	5.00964E-06	0.00725621	0.001587554	0.036948789	0.023934565	5.01018E-06	25.27138901	2.20759E-05	0.000288023	0.000345382
2094 Jan	114.2487488	0.063505486	0.021200644	0.001142916	14.80239487	0.028639248	30.04057503	0.000956447	0.000956447	5.01059E-06	0.007258116	0.001588262	0.036999665	0.023934823	5.01096E-06	25.27915955	2.20846E-05	0.000288045	0.000345435
2094 Feb	114.2755814	0.063517563	0.021202015	0.001143013	14.80391312	0.028643409	30.05023575	0.000956532	0.000956532	5.01116E-06	0.007259099	0.001588542	0.037013337	0.023936927	5.01149E-06	25.28293991	2.2088E-05	0.000288072	0.000345475
2094 Mar	114.395462	0.063587211	0.021223536	0.001144202	14.81952572	0.02867425	30.08174896	0.000957538	0.000957538	5.01642E-06	0.007266789	0.00159021	0.037051968	0.023962108	5.01675E-06	25.30955505	2.2111E-05	0.000288374	0.000345835
2094 Apr	114.7203369	0.063768186	0.021283858	0.001147449	14.86172295	0.028755631	30.16703033	0.000960256	0.000960256	5.03066E-06	0.007287412	0.001594731	0.037156951	0.02403041	5.03099E-06	25.38158798	2.21737E-05	0.000289195	0.000346822
2094 May	116.4127121	0.065955862	0.021811012	0.001150202	15.27424431	0.028734578	30.46083832	0.000959422	0.000959422	5.02709E-06	0.007293945	0.001617719	0.037245873	0.02477229	5.02818E-06	25.99806786	2.22728E-05	0.000295495	0.000360422
2094 Jun	118.4440613	0.069143213	0.02354298	0.001158287	16.34521866	0.027867304	29.95034981	0.000956367	0.000956367	5.00732E-06	0.007228232	0.001669698	0.036268696	0.026928177	5.00801E-06	27.46481323	2.2468E-05	0.000314752	0.000401142

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Jul	123.1473312	0.071375094	0.024268122	0.001201678	16.99761581	0.028872259	31.00397301	0.000998383	0.000998383	5.22652E-06	0.00753685	0.001742892	0.037633788	0.028163595	5.22594E-06	28.64718437	2.34739E-05	0.000329212	0.00041997
2094 Aug	129.6586914	0.07419809	0.025215343	0.001252326	17.71107101	0.030120229	32.81501007	0.001042512	0.001042512	5.46796E-06	0.007879863	0.00183054	0.040077813	0.029394809	5.46312E-06	29.99320412	2.46158E-05	0.000343929	0.00043954
2094 Sep	130.3507538	0.073453449	0.024339808	0.001239885	17.53084183	0.030280268	33.27349091	0.00104597	0.00104597	5.48557E-06	0.007911104	0.001834006	0.040468547	0.029267887	5.48186E-06	30.00351715	2.46745E-05	0.000342789	0.000436642
2094 Oct	129.2926941	0.073315576	0.022801764	0.001203179	16.88414383	0.030469151	33.86593246	0.00102458	0.00102458	5.37599E-06	0.007837676	0.001789707	0.040759791	0.028002428	5.3763E-06	29.20162582	2.42027E-05	0.000328966	0.000414013
2094 Nov	127.1544724	0.074561469	0.021102799	0.001165573	16.19962883	0.031005286	34.12820816	0.001001182	0.001001182	5.25249E-06	0.007782279	0.001731891	0.040679984	0.02649332	5.25765E-06	28.16843033	2.35733E-05	0.000312283	0.000385438
2094 Dec	127.0673141	0.074690171	0.020999327	0.001163392	16.15787506	0.031051768	34.16479492	0.000999734	0.000999734	5.24534E-06	0.007780835	0.00172863	0.040712688	0.026394214	5.25061E-06	28.10520363	2.35383E-05	0.000311204	0.000383583
2095 Jan	127.1964493	0.07471399	0.021005904	0.001163608	16.15965652	0.031059345	34.21877289	0.000999809	0.000999809	5.24659E-06	0.007783296	0.001729677	0.040790949	0.026394125	5.2516E-06	28.11681366	2.35515E-05	0.000311235	0.00038367
2095 Feb	127.2247314	0.074728906	0.021007633	0.001163732	16.16160583	0.031064531	34.2288208	0.000999919	0.000999919	5.24726E-06	0.007784464	0.00172997	0.040803712	0.026396863	5.25225E-06	28.12119675	2.35552E-05	0.000311269	0.000383715
2095 Mar	127.3205414	0.07477802	0.021021241	0.001164475	16.17215919	0.03108447	34.25637436	0.001000558	0.001000558	5.25072E-06	0.00778962	0.001731211	0.040838711	0.026414225	5.25567E-06	28.14073944	2.35716E-05	0.000311476	0.000383982
2095 Apr	127.7771759	0.075046219	0.02109666	0.001168644	16.23022461	0.031195715	34.37910843	0.001004141	0.001004141	5.26953E-06	0.007817511	0.001737423	0.040985063	0.026509162	5.27449E-06	28.24178123	2.36561E-05	0.000312594	0.000385364
2095 May	125.7809525	0.076115146	0.020858694	0.001154921	16.40519142	0.03100037	33.27342224	0.001000226	0.001000226	5.23051E-06	0.007774935	0.001728513	0.03922677	0.026988413	5.24059E-06	28.36994362	2.34074E-05	0.000311903	0.000391915
2095 Jun	123.5965652	0.077110834	0.021494357	0.001149234	17.02739143	0.030193901	31.34065437	0.000999886	0.000999886	5.20527E-06	0.007697259	0.00174191	0.036569048	0.028488789	5.21856E-06	29.0597744	2.32785E-05	0.000329197	0.000417654
2095 Jul	128.5704956	0.079889491	0.022287343	0.001197083	17.74798203	0.031447142	32.47483444	0.001045136	0.001045136	5.43948E-06	0.008025302	0.001819144	0.037951313	0.029797245	5.45255E-06	30.31829453	2.42688E-05	0.00034399	0.000436901
2095 Aug	126.3573761	0.077215821	0.02159678	0.001185471	17.53383636	0.031401552	31.60149193	0.001047037	0.001047037	5.44214E-06	0.007939693	0.001810234	0.037044935	0.029703081	5.45431E-06	30.03535461	2.38503E-05	0.000341678	0.000434088
2095 Sep	126.2279282	0.075346202	0.021154357	0.001181502	17.32671547	0.031741705	31.78562546	0.00104823	0.00104823	5.45312E-06	0.007881125	0.001808047	0.037508629	0.029340358	5.46301E-06	29.81105423	2.34854E-05	0.000337954	0.000427178
2095 Oct	127.490181	0.074937902	0.021015771	0.001179534	17.21356201	0.031902745	32.52015686	0.001045945	0.001045945	5.45241E-06	0.007870895	0.001812347	0.038540225	0.02906807	5.45958E-06	29.7694664	2.3451E-05	0.000335508	0.000423385
2095 Nov	126.7660141	0.074212559	0.020318946	0.001163758	16.83080101	0.032130513	32.85616684	0.001034113	0.001034113	5.39364E-06	0.00779217	0.001785408	0.038837295	0.028235855	5.40245E-06	29.23340988	2.30069E-05	0.000326709	0.000408502
2095 Dec	126.7321091	0.074205227	0.020224066	0.001162022	16.78441429	0.032184746	32.92387772	0.001032897	0.001032897	5.38787E-06	0.007787067	0.001782426	0.038907919	0.028127642	5.39685E-06	29.17000389	2.29605E-05	0.000325581	0.000406512
2096 Jan	126.8662033	0.074219286	0.020231094	0.001162226	16.78552055	0.032191236	32.98097229	0.001032941	0.001032941	5.38902E-06	0.007789089	0.00178348	0.038990613	0.02812632	5.39773E-06	29.1812973	2.2973E-05	0.000325602	0.000406589
2096 Feb	126.9292526	0.074247248	0.020238405	0.001162628	16.79157829	0.032202974	33.00029755	0.001033293	0.001033293	5.391E-06	0.007791965	0.001784256	0.039015606	0.028136346	5.39966E-06	29.19331169	2.29823E-05	0.000325721	0.000406751
2096 Mar	127.018425	0.074300043	0.020252673	0.001163437	16.80357361	0.032225445	33.0232048	0.001034016	0.001034016	5.39477E-06	0.007797395	0.001785518	0.039042559	0.028156588	5.40343E-06	29.21411324	2.29984E-05	0.000325953	0.000407045
2096 Apr	127.4452515	0.07455007	0.020320855	0.001167344	16.86018181	0.032333601	33.13397598	0.001037489	0.001037489	5.41288E-06	0.007823574	0.001791524	0.039173458	0.028251532	5.42158E-06	29.31248093	2.30756E-05	0.000327051	0.000408419
2096 May	130.6070404	0.074823819	0.020397343	0.001165581	16.98834229	0.032260515	34.4305687	0.001037984	0.001037984	5.42093E-06	0.007843317	0.001813819	0.040274732	0.028565953	5.43224E-06	29.8236618	2.33441E-05	0.000330455	0.000415495
2096 Jun	120.8940659	0.061564241	0.022426685	0.001136091	15.57495022	0.026724497	31.81236267	0.000951607	0.000951607	4.99494E-06	0.007134734	0.00166158	0.038164306	0.026045928	4.99795E-06	27.16168976	2.28142E-05	0.000309664	0.000391286
2096 Jul	120.211937	0.059068069	0.023184506	0.001176355	15.31430817	0.026684966	31.61183357	0.000971107	0.000971107	5.10711E-06	0.007286205	0.00165658	0.038984727	0.025359934	5.10263E-06	26.59789276	2.35061E-05	0.000307379	0.000380145
2096 Aug	124.5245667	0.060575206	0.023753989	0.001216004	15.75041008	0.027668456	32.82401657	0.001007038	0.001007038	5.29953E-06	0.007557091	0.001715451	0.040652949	0.026105722	5.29289E-06	27.44865799	2.4373E-05	0.000317226	0.000391051
2096 Sep	120.8972473	0.058637679	0.02207439	0.001190803	15.03195572	0.027904799	32.08645248	0.001001505	0.001001505	5.2623E-06	0.007539627	0.001665661	0.03990512	0.024845665	5.2572E-06	26.37929153	2.3973E-05	0.000305362	0.000366255
2096 Oct	114.6206818	0.059906781	0.019288238	0.001138164	13.96371746	0.028868577	30.98035622	0.000975358	0.000975358	5.11292E-06	0.007482997	0.001567626	0.038471956	0.022567093	5.11262E-06	24.51481056	2.28822E-05	0.000280769	0.000320421
2096 Nov	113.7952728	0.061228026	0.018770844	0.001131252	13.83868694	0.029331366	30.87857437	0.000973023	0.000973023	5.09775E-06	0.007509799	0.001553334	0.038294431	0.022201585	5.09873E-06	24.24615669	2.2706E-05	0.000276541	0.000311999
2096 Dec	113.8924026	0.061257552	0.018771432	0.001131411	13.83999443	0.029341968	30.91874695	0.00097314	0.00097314	5.09902E-06	0.007512403	0.001554163	0.038354944	0.022201097	5.09978E-06	24.2547493	2.27164E-05	0.000276561	0.00031204
2097 Jan	113.9453125	0.061272126	0.018772595	0.001131463	13.84042931	0.029346159	30.94144249	0.000973148	0.000973148	5.09944E-06	0.007513426	0.001554574	0.03838839	0.022200078	5.10008E-06	24.25896454	2.27213E-05	0.000276561	0.000312057
2097 Feb	113.9534378	0.061279003	0.018772254	0.001131477	13.84087276	0.029348139	30.94456291	0.000973166	0.000973166	5.09958E-06	0.007513756	0.001554651	0.038392622	0.022200495	5.10021E-06	24.26003075	2.2722E-05	0.000276566	0.000312063
2097 Mar	114.0245514	0.061319165	0.018783793	0.001132181	13.84969711	0.029366881	30.96367455	0.000973778	0.000973778	5.10278E-06	0.007518491	0.001555628	0.03841617	0.022214673	5.10341E-06	24.27539253	2.27361E-05	0.000276741	0.000312261
2097 Apr	114.5205688	0.061586179	0.01886558	0.001137104	13.91004372	0.029494543	31.09823608	0.000978013	0.000978013	5.12497E-06	0.007551179	0.0015624	0.038583066	0.022311538	5.1256E-06	24.38113213	2.2835E-05	0.000277946	0.000313624
2097 May	114.6793213	0.063625939	0.018812845	0.001142125	14.20004177	0.029954713	30.77928734	0.000989024	0.000989024	5.17172E-06	0.007639597	0.001577606	0.038016587	0.022872256	5.17477E-06	24.75772667	2.29367E-05	0.000283054	0.000320622
2097 Jun	111.2269135	0.066676542	0.020257618	0.001132109	15.26009846	0.028728938	27.73866272	0.000975523	0.000975523	5.07988E-06	0.007442865	0.001598029	0.034274202	0.025147431	5.0813E-06	25.76345253	2.24373E-05	0.000301277	0.000361367
2097 Jul	114.8593903	0.068396792	0.020915048	0.00117283	15.80251789	0.029629655	28.4611969	0.001013881	0.001013881	5.27916E-06	0.007718396	0.001659085	0.035331339	0.02616233	5.2789E-06	26.7050724	2.33135E-05	0.000313426	0.000376417
2097 Aug	116.9858932	0.069040574	0.021087985	0.001195563	16.08085632	0.030292153	28.90233231	0.001039186	0.001039186	5.41003E-06	0.007885507	0.001697071	0.035987776	0.026739717	5.40862E-06	27.24724579	2.37892E-05	0.000320157	0.000384378
2097 Sep	118.2396393	0.069198638	0.021023404	0.001204127	16.17226028	0.03066365	29.25678825	0.001051116	0.001051116	5.4743E-06	0.007964922	0.001716483	0.036532551	0.026952514	5.4714E-06	27.49299049	2.39991E-05	0.000322808	0.000387177
2097 Oct	116.9679718	0.068414472	0.020303648	0.001187796	15.88464546	0.030729881	29.10547638	0.001043426	0.001043426	5.43213E-06	0.007904776	0.001696138	0.036261324	0.026464501	5.43039E-06	27.09606552	2.36556E-05	0.000317028	0.000377989
2097 Nov	116.2623749	0.068272591	0.019936144	0.001178388	15.71819401	0.030787705	29.06719589	0.001037278	0.001037278	5.39978E-06	0.007868953	0.001682426	0.036155242	0.026130147	5.39873E-06	26.84020996	2.3445E-05	0.000313108	0.000371845
2097 Dec	116.1645508	0.068262927	0.019872462	0.001176544	15.68666649	0.03079378	29.07653618	0.001035894	0.001035894	5.39293E-06	0.007861887	0.001679971	0.036161724	0.026063949	5.39187E-06	26.79306602	2.3408E-05	0.000312344	0.000370699
2098 Jan	116.2621994	0.068277054	0.019876281	0.001176675	15.68776321	0.03079926	29.11751938	0.00103594	0.00103594	5.39383E-06	0.007863541	0.001680766	0.036221188	0.026063817	5.39257E-06	26.80180168	2.34173E-05	0.000312364	0.000370766
2098 Feb	116.2839813	0.068287715	0.019877611	0.00117678	15.68960381	0.030803476	29.12455559	0.001036045	0.001036045	5.39444E-06	0.007864478	0.001681024	0.036230296	0.026066888	5.39316E-06	26.80574417	2.34202E-05	0.000312399	0.000370815
2098 Mar	116.3318024	0.068317257	0.019885732	0.00117726	15.69634819	0.030816346	29.1361618	0.001036475	0.001036475	5.39667E-06	0.007867718	0.001681729	0.036244445	0.026078247	5.39539E-06	26.81717682	2.34297E-05	0.000312532	0.000370977
2098 Apr	116.5432281	0.06853316	0.019907707	0.001179421	15.73733234	0.030901413	29.17472458	0.001038863	0.001038863	5.40838E-06	0.007885071	0.001685381	0.036273815	0.026151616	5.40734E-06	26.88348389	2.3469E-05	0.000313297	0.00037193
2098 May	114.7285767	0.069462739	0.020283682	0.001157983	16.37074661	0.029926404	27.42135429	0.001029801	0.001029801	5.33899E-06	0.007729716	0.001701462	0.033595845	0.027803587	5.34173E-06	27.71177864	2.31038E-05	0.000326549	0.000401141
2098 Jun	109.6927948	0.066079624	0.023805404	0.001127514	17.16281891	0.025514049	24.04536247	0.000955489	0.000955489	4.96856E-06	0.006973114	0.001685352	0.030163055	0.02962742	4.95687E-06	28.15009499	2.19179E-05	0.000339336	0.000449273
2098 Jul	114.000679	0.068120234	0.024845112	0.001177435	17.81316185	0.026460763	24.94460106	0.000996712	0.000996712	5.18557E-06	0.007269454	0.001754314	0.03150633	0.030762699	5.17138E-06	29.22003174	2.29075E-05	0.000353066	0.000466784
2098 Aug	113.0059204	0.066232145	0.024010723	0.001175011	17.55493546	0.02682912	24.66067886	0.001008232	0.001008232	5.24069E-06	0.007310972	0.001750384	0.031390809	0.030457038	5.2258E-06	28.94716454	2.28491E-05	0.000350915	0.000459152
2098 Sep	108.7207031	0.063465282	0.02154102	0.001129236	16.33826637	0.027650384	24.61800003	0.000982549	0.000982549	5.10679E-06	0.00713051	0.001662888	0.031399634	0.027931042	5.09489E-06	27.11618423	2.15309E-05	0.000325423	0.000411668
2098 Oct	108.3173523	0.065895878	0.02041425	0.001115121	15.46147919	0.029119942	26.17643738	0.000956065	0.000956065	4.9962E-06	0.007103923	0.001599256	0.033671599	0.025363602	4.98101E-06	25.59632874	2.07853E-05	0.000299092	0.000365528
2098 Nov	108.8131714	0.067502655	0.020316062	0.0011175	15.21959591	0.02973265	26.97989082	0.000947303	0.000947303	4.96412E-06	0.00711835	0.001580881	0.03481916	0.024467014	4.94715E-06	25.11861801	2.06251E-05	0.000289863	0.000349774
2098 Dec	108.9344177	0.067558117	0.020315053	0.001117844	15.22280693	0.029754627	27.028965	0.000947631	0.000947631	4.96648E-06	0.007123033	0.001581957	0.034888972	0.024468221	4.9493E-06	25.13090134	2.06397E-05	0.000289908	0.000349809
2099 Jan	109.0149689	0.067579165	0.020317344	0.001117994	15.22430897	0.029762011	27.06213951	0.000947726	0.000947726	4.96748E-06	0.007124998	0.001582631	0.034936611	0.024468744	4.95014E-06	25.13862801	2.06483E-05	0.000289933	0.000349861
2099 Feb	109.074173	0.067596167	0.020321261	0.001118178	15.22675896	0.029768059	27.0846405	0.000947856	0.000947856	4.96847E-06	0.007126671	0.001583192	0.034968503	0.024471814	4.95103E-06	25.14592171	2.06553E-05	0.000289979	0.000349938
2099 Mar	109.2342377	0.067694671	0.020350641	0.001119787	15.24886894	0.029811	27.12469864	0.00094922	0.00094922	4.97564E-06	0.007136966	0.001585501	0.035020299	0.024507402	4.95817E-06	25.182621	2.06852E-05	0.0002904	0.00035045
2099 Apr	109.9028015	0.068352789	0.02043898	0.001125639	15.36513138	0.03003007	27.26920509	0.000955076	0.000955076	5.00523E-06	0.007182946	0.001595833	0.035164084	0.024704229	4.98808E-06	25.36951828	2.07973E-05	0.000292474	0.000353169
2099 May	112.8332977	0.075420856	0.022727722	0.001112792	17.42014122	0.028662225	25.90815353	0.000943976	0.000943976	4.92521E-06	0.007003956	0.001692191	0.032213222	0.029093543	4.91292E-06	28.29787064	2.06887E-05	0.000328817	0.000432817
2099 Jun	114.0676727	0.073957346	0.024860818	0.001123144	18.05596733	0.026728641	25.4133091	0.000931717	0.000931717	4.87456E-06	0.006832976	0.001728107	0.031913087	0.030552343	4.85454E-06	29.18398476	2.10018E-05	0.000342979	0.000466508
2099 Jul	117.9116898	0.075482495	0.025494013	0.001160127	18.6037426	0.027472304	26.20368958	0.000967932	0.000967932	5.06372E-06	0.007092321	0.001790858	0.033009645	0.031634077	5.04181E-06	30.1852932	2.18889E-05	0.000355747	0.000483371
2099 Aug	121.2365646	0.076440349	0.025699997	0.001190612	18.98655128	0.028452883	27.0243187	0.001002191	0.001002191	5.24126E-06	0.007318459	0.001843192	0.034102403	0.032390628	5.21862E-06	30.96180916	2.25132E-05	0.000365012	0.000493597
2099 Sep	118.3312836	0.072953768	0.02395181	0.001161734	18.1770491	0.028707998	26.80883789	0.000993554	0.000993554	5.18853E-06	0.007218323	0.001792345	0.033734042	0.030983971	5.17007E-06	29.89197159	2.18476E-05	0.000351484	0.000466729
2099 Oct	116.1428223	0.072244771	0.022306599	0.001134081	17.38694572	0.029309969	27.08320999	0.000978694	0.000978694	5.11048E-06	0.007173612	0.001736536	0.033928186	0.029308092	5.09554E-06	28.74037743	2.12668E-05	0.000334654	0.000435059
2099 Nov	115.1617584	0.07246843	0.021448471	0.001118701	16.95701408	0.029665627	27.37242699	0.000968356	0.000968356	5.05829E-06	0.007158884	0.001704799	0.034178063	0.028333358	5.04514E-06	28.09696007	2.0984E-05	0.000324687	0.000416935
2099 Dec	115.2470245	0.072508216	0.021449177	0.001119067	16.96076775	0.029683748	27.4044838	0.000968716	0.000968716	5.06053E-06	0.0071628	0.001705658	0.034223583	0.028337335	5.04726E-06	28.10751534	2.09955E-05	0.000324754	0.000416995
2100 Jan	115.3641815	0.072519071	0.021451853	0.001119152	16.96010399	0.029688042	27.45625687	0.000968693	0.000968693	5.0613E-06	0.007164504	0.001706503	0.034299325	0.028333189	5.04774E-06	28.11554718	2.10067E-05	0.000324743	0.000417023
2100 Feb	115.4065552	0.072527111	0.021453442	0.001119224	16.96077538	0.029691003	27.47387505	0.000968731	0.000968731	5.06176E-06	0.007165377	0.001706849	0.034324374	0.028333381	5.04812E-06	28.11954117	2.10111E-05	0.000324755	0.000417052
2100 Mar	115.4420929	0.072550476	0.021459514	0.001119557	16.96592331	0.029700417	27.48250389	0.000969025	0.000969025	5.0633E-06	0.00716759	0.001707368	0.03433498	0.028341943	5.04966E-06	28.12813187	2.10174E-05	0.000324853	0.000417177
2100 Apr	115.9992371	0.072901294	0.021562999	0.001124959	17.0478878	0.029843908	27.61503983	0.000973704	0.000973704	5.08774E-06	0.007202199	0.001715611	0.03450045	0.028478898	5.07404E-06	28.26399994	2.11188E-05	0.000326422	0.000419192
2100 May	116.9517593	0.073953204	0.021383334	0.001118599	17.21041679	0.029709509	27.83106041	0.000976051	0.000976051	5.09069E-06	0.007248079	0.001725625	0.034184743	0.028950501	5.08242E-06	28.66596222	2.13618E-05	0.000330904	0.000426969
2100 Jun	113.0528412	0.067981444	0.024088465	0.001117291	17.21015167	0.025866646	25.8683567	0.000930576	0.000930576	4.87148E-06	0.006822787	0.001690208	0.032544643	0.029209178	4.8532E-06	28.25229836	2.13737E-05	0.000333852	0.000445815
2100 Jul	113.2292328	0.06575723	0.024162795	0.001130929	16.95631409	0.025632113	26.07505035	0.000940056	0.000940056	4.92887E-06	0.006905771	0.001689569	0.033285487	0.028782979	4.90628E-06	27.96527863	2.18635E-05	0.000332363	0.000439728
2100 Aug	110.5110474	0.061773941	0.022818867	0.001117519	16.2355175	0.025856813	25.72493744	0.000941951	0.000941951	4.93036E-06	0.006866197	0.001651191	0.032898728	0.027602464	4.9106E-06	27.0083847	2.14978E-05	0.000321199	0.000416839
2100 Sep	109.9665833	0.059704989	0.022005582	0.001113558	15.77572727	0.026478339	26.12576103	0.000943511	0.000943511	4.94235E-06	0.006842017	0.001631791	0.033600401	0.026634557	4.92212E-06	26.40097237	2.1127E-05	0.000312445	0.000398277
2100 Oct	110.8435669	0.059593987	0.021758821	0.001114146	15.63833237	0.02684802	26.74719429	0.000944342	0.000944342	4.95376E-06	0.00685999	0.001631533	0.034449752	0.02626669	4.93227E-06	26.27589035	2.10886E-05	0.000309221	0.000391624
2100 Nov	111.1945953	0.059688911	0.021774923	0.001116557	15.63234234	0.026965883	26.9280777	0.000945573	0.000945573	4.96214E-06	0.006872241	0.001633408	0.034700509	0.026211778	4.9403E-06	26.27769089	2.11085E-05	0.000308822	0.000390587
2100 Dec	111.3534317	0.059727095	0.021783672	0.001117203	15.64057732	0.026986044	26.98334885	0.000946168	0.000946168	4.96601E-06	0.006877873	0.001635156	0.034783456	0.026225368	4.94388E-06	26.30036163	2.113E-05	0.000309013	0.000390862
2101 Jan	111.5134811	0.059732608	0.021782489	0.001117277	15.6405344	0.026991876	27.04972076	0.000946246	0.000946246	4.96763E-06	0.006880449	0.001636516	0.034885898	0.026224732	4.94507E-06	26.31421852	2.11459E-05	0.000309052	0.000390983
2101 Feb	111.6114273	0.059736818	0.021786226	0.001117375	15.64100361	0.026994495	27.09121132	0.00094626	0.00094626	4.9684E-06	0.00688173	0.001637286	0.034946561	0.026223987	4.94561E-06	26.32254601	2.11551E-05	0.000309069	0.000391053
2101 Mar	111.6447601	0.05975185	0.021791521	0.001117646	15.64486122	0.02700129	27.10038567	0.00094649	0.00094649	4.96965E-06	0.00688347	0.001637735	0.03495875	0.026230427	4.94684E-06	26.3295517	2.11607E-05	0.000309146	0.000391154
2101 Apr	111.9702225	0.059924744	0.021854423	0.001120851	15.69019222	0.027078634	27.17964363	0.000949207	0.000949207	4.98395E-06	0.006903261	0.001642497	0.035061356	0.026306676	4.96106E-06	26.406147	2.12219E-05	0.000310042	0.000392298
2101 May	111.5315704	0.060888249	0.021796245	0.001118266	16.02768135	0.02717391	26.54158401	0.00095678	0.00095678	5.00233E-06	0.006909277	0.00165357	0.03370811	0.0271249	4.98687E-06	26.89731789	2.11279E-05	0.000317322	0.000403894

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jun	110.9348373	0.060878664	0.023418466	0.001122302	16.51244164	0.025776442	25.6162796	0.000940614	0.000940614	4.92141E-06	0.006741514	0.00166273	0.032691587	0.028098138	4.9028E-06	27.36052895	2.10966E-05	0.000325844	0.00042606
2101 Jul	115.7478409	0.063029088	0.024450211	0.001169771	17.15206337	0.026718132	26.78786469	0.000978744	0.000978744	5.12631E-06	0.007022352	0.001732787	0.034354031	0.029183865	5.10452E-06	28.4520092	2.20544E-05	0.000338942	0.000443321
2101 Aug	120.2932739	0.065021463	0.025173023	0.001209972	17.72194672	0.027700271	27.93315315	0.00101478	0.00101478	5.3189E-06	0.007284598	0.001798665	0.035916466	0.030186664	5.29455E-06	29.48023224	2.28921E-05	0.000350889	0.000458763
2101 Sep	117.6988297	0.06323611	0.02358206	0.001184186	17.19618797	0.027874056	27.37385178	0.001012754	0.001012754	5.29618E-06	0.007265846	0.001764632	0.035121799	0.029420139	5.27548E-06	28.81933784	2.2551E-05	0.000343783	0.000442581
2101 Oct	118.146225	0.063636184	0.022886613	0.001173724	16.92946053	0.028236341	28.00741005	0.001008639	0.001008639	5.27968E-06	0.007291357	0.001753196	0.035817359	0.028828647	5.25926E-06	28.5364418	2.24909E-05	0.000338041	0.000431641
2101 Nov	116.688591	0.064521223	0.021606501	0.001148639	16.41020584	0.028705444	28.27202415	0.000994288	0.000994288	5.20205E-06	0.007275426	0.001710646	0.035797544	0.027681859	5.18619E-06	27.76988792	2.20996E-05	0.000325804	0.000409559
2101 Dec	116.4116821	0.064849101	0.021392349	0.00114561	16.34183121	0.028844984	28.27874947	0.000993182	0.000993182	5.19481E-06	0.007283282	0.001704252	0.035744965	0.027516289	5.17994E-06	27.65591431	2.20444E-05	0.00032401	0.000405998
2102 Jan	116.499588	0.064866044	0.021392107	0.001145641	16.34116364	0.028850418	28.31846428	0.000993157	0.000993157	5.19532E-06	0.007284767	0.001704848	0.035801549	0.027512273	5.18025E-06	27.66158295	2.20525E-05	0.000323989	0.000405994
2102 Feb	116.5173874	0.064879872	0.021392791	0.00114575	16.34303093	0.028855542	28.32390594	0.000993274	0.000993274	5.19595E-06	0.007285835	0.001705068	0.035808008	0.02751518	5.18088E-06	27.66513634	2.20552E-05	0.000324022	0.000406032
2102 Mar	116.5688019	0.064908572	0.021401295	0.001146216	16.34994507	0.028867779	28.33676529	0.000993686	0.000993686	5.19812E-06	0.007288914	0.001705807	0.035824459	0.027526904	5.18304E-06	27.67709923	2.20645E-05	0.000324159	0.000406207
2102 Apr	116.8215179	0.065049633	0.02144778	0.001148697	16.38551521	0.028930221	28.39802361	0.000995838	0.000995838	5.20938E-06	0.007304688	0.00170951	0.035901841	0.027586879	5.19426E-06	27.73727989	2.21123E-05	0.000324864	0.000407093
2102 May	118.0553055	0.065735616	0.021673953	0.001160801	16.55842781	0.029234894	28.69796753	0.001006335	0.001006335	5.26431E-06	0.007381704	0.001727563	0.036281414	0.02787821	5.24902E-06	28.03017807	2.23457E-05	0.000328294	0.000411397
2102 Jun	102.1180878	0.051947277	0.018549617	0.001118726	13.14520359	0.026873948	25.8211174	0.000963549	0.000963549	5.02975E-06	0.007265916	0.001470294	0.033916429	0.021447483	5.01889E-06	22.55029297	2.22986E-05	0.000273684	0.000301742
2102 Jul	95.52207184	0.044385087	0.018126301	0.001134024	11.71730614	0.025782852	24.44801331	0.000961425	0.000961425	5.02305E-06	0.007305018	0.001373598	0.033525944	0.018665537	5.00721E-06	20.13288307	2.27651E-05	0.000252549	0.000255478
2102 Aug	95.76970673	0.043889046	0.017879944	0.001151467	11.72337151	0.026437577	24.39085388	0.000984741	0.000984741	5.13833E-06	0.007449897	0.00138842	0.033660866	0.018739177	5.12244E-06	20.19846535	2.30633E-05	0.000254722	0.000253668
2102 Sep	94.26779175	0.043107606	0.017229406	0.00114843	11.54095936	0.026872238	23.90425682	0.000991382	0.000991382	5.16476E-06	0.007466934	0.001377503	0.033162747	0.018449435	5.14998E-06	19.8994751	2.28457E-05	0.000251952	0.000245832
2102 Oct	90.3167572	0.044140074	0.015731696	0.001108862	11.08870888	0.027441975	22.99460793	0.000968036	0.000968036	5.03409E-06	0.007314621	0.001324108	0.031875137	0.017457252	5.0222E-06	18.9985981	2.17131E-05	0.000238698	0.000225041
2102 Nov	90.63162994	0.044467676	0.015685268	0.001109468	11.09997272	0.027573053	23.12492943	0.000969164	0.000969164	5.0417E-06	0.007331336	0.001327113	0.03206959	0.017452218	5.02913E-06	19.02846527	2.17318E-05	0.000238637	0.000224746
2102 Dec	90.82694244	0.044504248	0.015695421	0.001109954	11.10517406	0.027588395	23.20168304	0.000969482	0.000969482	5.04458E-06	0.007336072	0.001328887	0.032183118	0.01745761	5.03159E-06	19.04935074	2.17541E-05	0.000238745	0.000224952
2103 Jan	90.84346771	0.044516679	0.015695537	0.001110043	11.10651779	0.027593508	23.20721436	0.000969578	0.000969578	5.04513E-06	0.007337009	0.001329081	0.032190766	0.017459352	5.03212E-06	19.05204391	2.17562E-05	0.000238766	0.000224973
2103 Feb	90.86703491	0.044531174	0.015699418	0.001110329	11.10979462	0.027601309	23.21277237	0.000969838	0.000969838	5.04646E-06	0.00733896	0.001329443	0.032198213	0.017464649	5.03346E-06	19.0574913	2.17617E-05	0.000238834	0.000225041
2103 Mar	90.92082214	0.044558071	0.015708804	0.001110981	11.11652565	0.027617494	23.22631264	0.000970408	0.000970408	5.04943E-06	0.007343263	0.001330236	0.032216907	0.017475348	5.03641E-06	19.06899452	2.17745E-05	0.000238978	0.000225181
2103 Apr	91.19691467	0.044693641	0.015756568	0.001114351	11.1503706	0.027701251	23.29673195	0.000973352	0.000973352	5.06475E-06	0.007365536	0.001334279	0.032314539	0.017528618	5.05169E-06	19.1270237	2.18405E-05	0.000239705	0.000225868
2103 May	96.86981964	0.048758272	0.016660141	0.00111555	12.14701366	0.027692541	24.60572815	0.000977758	0.000977758	5.08968E-06	0.007391918	0.001408996	0.033035025	0.019575583	5.07931E-06	20.930439	2.21696E-05	0.000257472	0.000263199
2103 Jun	105.4698639	0.055336647	0.021155596	0.00110712	14.64015102	0.024986099	25.38406754	0.000934587	0.000934587	4.89183E-06	0.006946029	0.00154791	0.032989174	0.024591887	4.87372E-06	24.68805695	2.2025E-05	0.000298177	0.00036563
2103 Jul	106.3148041	0.054328837	0.021574603	0.001129493	14.7083168	0.025153358	25.52290344	0.000951025	0.000951025	4.98135E-06	0.007035784	0.001567664	0.033508405	0.024751559	4.95984E-06	24.81840324	2.24032E-05	0.000300712	0.00036837
2103 Aug	102.1333466	0.049761716	0.019963	0.001116703	14.05597305	0.025828818	24.39750099	0.000961692	0.000961692	5.01644E-06	0.006960572	0.001538396	0.031995609	0.023947448	4.99926E-06	23.91641235	2.16566E-05	0.000288694	0.000349254
2103 Sep	101.2646713	0.049422592	0.019007692	0.001106697	13.64309883	0.02687433	24.76412964	0.000957126	0.000957126	4.9966E-06	0.006901327	0.001517006	0.032473449	0.022975752	4.97927E-06	23.2769165	2.09443E-05	0.000276363	0.000329537
2103 Oct	100.312561	0.053686734	0.018315939	0.001100465	13.19555569	0.028680734	25.54878235	0.000936889	0.000936889	4.90921E-06	0.006868684	0.001471117	0.033737238	0.021214647	4.88911E-06	22.1838913	1.99875E-05	0.000255467	0.000295437
2103 Nov	100.3135605	0.055658355	0.018183794	0.001100844	13.13381195	0.029257629	25.80421448	0.000932521	0.000932521	4.89251E-06	0.006892569	0.001461614	0.034185015	0.020793293	4.87099E-06	21.94937515	1.98177E-05	0.000250642	0.000286984
2103 Dec	100.4864349	0.055703156	0.018187888	0.001101129	13.13691616	0.029272942	25.87528801	0.000932695	0.000932695	4.89456E-06	0.006896614	0.001463057	0.034288757	0.020794049	4.87265E-06	21.96569061	1.98357E-05	0.000250689	0.000287097
2104 Jan	100.492157	0.055718262	0.018185426	0.001101135	13.13740158	0.029277815	25.87762642	0.000932737	0.000932737	4.89478E-06	0.006897268	0.001463112	0.034291387	0.020794094	4.87287E-06	21.96647263	1.98361E-05	0.000250688	0.000287082
2104 Feb	100.5000229	0.05572962	0.018186022	0.001101224	13.13895512	0.029282045	25.87918282	0.000932832	0.000932832	4.89524E-06	0.006898044	0.001463245	0.034292813	0.020796502	4.87335E-06	21.9687767	1.98376E-05	0.000250713	0.000287108
2104 Mar	100.5624619	0.055766176	0.018197196	0.001101907	13.14735985	0.0293006	25.89496803	0.000933416	0.000933416	4.8983E-06	0.006902372	0.001464164	0.034313552	0.020809894	4.87639E-06	21.98273468	1.98498E-05	0.000250872	0.000287292
2104 Apr	101.0461349	0.056034457	0.018284721	0.001107199	13.21064472	0.029441295	26.01943398	0.0009379	0.0009379	4.92183E-06	0.006935527	0.001471208	0.034478467	0.020910146	4.89982E-06	22.08856392	1.99452E-05	0.00025208	0.000288678
2104 May	103.0783539	0.060937133	0.018938854	0.001105003	14.27191544	0.029262951	25.46448708	0.000947125	0.000947125	4.9509E-06	0.007013549	0.001526708	0.033083018	0.023173502	4.93382E-06	23.68843842	2.02853E-05	0.000273158	0.000326755
2104 Jun	105.0818176	0.062698431	0.021925256	0.001101749	15.60521698	0.026439603	24.41711235	0.00091977	0.00091977	4.81871E-06	0.006759189	0.00158364	0.031832937	0.026006112	4.79405E-06	25.50002289	2.05972E-05	0.000300557	0.000387039
2104 Jul	106.9567261	0.062971137	0.022326149	0.001127878	15.90735054	0.026787844	24.65003967	0.000945936	0.000945936	4.95288E-06	0.006939057	0.001620829	0.032296363	0.026664574	4.92678E-06	26.05398941	2.12519E-05	0.000309043	0.000397162
2104 Aug	107.4232101	0.062337924	0.022032391	0.001139748	15.94739246	0.027344761	24.65788078	0.000966283	0.000966283	5.05217E-06	0.007046664	0.00163842	0.032364573	0.026872762	5.0267E-06	26.22601318	2.14521E-05	0.000311841	0.000398081
2104 Sep	104.6570435	0.059968024	0.020639392	0.001117389	15.37307453	0.02777683	24.21921158	0.000960767	0.000960767	5.01396E-06	0.006956439	0.001598359	0.031768102	0.025841834	4.99202E-06	25.39549255	2.0745E-05	0.000301472	0.000377078
2104 Oct	102.4773788	0.060899887	0.019305278	0.00109671	14.77318192	0.02874092	24.33674431	0.000946848	0.000946848	4.94161E-06	0.006920954	0.00154717	0.031905465	0.024329208	4.92202E-06	24.35122871	2.00341E-05	0.000285759	0.000347275
2104 Nov	102.3887253	0.061789289	0.019169345	0.001097629	14.6630373	0.029131895	24.55655479	0.000944206	0.000944206	4.93229E-06	0.006935829	0.001537401	0.032289974	0.023908284	4.91188E-06	24.10209274	1.99186E-05	0.000281492	0.000339212
2104 Dec	102.5320358	0.061821759	0.01917127	0.001097922	14.66620827	0.029145831	24.61277199	0.000944467	0.000944467	4.93458E-06	0.006939754	0.001538725	0.032375362	0.02391156	4.91383E-06	24.11709785	1.99351E-05	0.000281565	0.000339343
2105 Jan	102.6161423	0.061832942	0.019172341	0.001097958	14.66613197	0.02914924	24.64937401	0.000944447	0.000944447	4.93511E-06	0.006940974	0.001539342	0.032428939	0.023909351	4.91415E-06	24.12339592	1.99428E-05	0.000281562	0.000339375
2105 Feb	102.6317978	0.061843872	0.019173721	0.001098071	14.66786003	0.029153617	24.65398979	0.000944554	0.000944554	4.93569E-06	0.006941891	0.001539543	0.032434903	0.023911962	4.91472E-06	24.12651062	1.99452E-05	0.000281592	0.000339411
2105 Mar	102.6551743	0.06185817	0.019178014	0.00109831	14.67124748	0.029160017	24.65953064	0.000944762	0.000944762	4.93678E-06	0.006943421	0.001539895	0.03244216	0.023917574	4.9158E-06	24.13210678	1.99497E-05	0.000281657	0.000339492
2105 Apr	102.9254227	0.062021166	0.019228544	0.001101198	14.70993519	0.029236661	24.72435951	0.000947247	0.000947247	4.94976E-06	0.006961678	0.001543952	0.032527409	0.023980707	4.92873E-06	24.19573784	2.00021E-05	0.0002824	0.000340389
2105 May	104.2573318	0.064852357	0.019428194	0.00110008	15.20619392	0.029295586	24.67685699	0.000952759	0.000952759	4.96817E-06	0.007026388	0.001570239	0.031986888	0.025011038	4.95112E-06	24.97679901	2.02199E-05	0.000292031	0.000357173
2105 Jun	106.4909515	0.066725254	0.020971837	0.001107206	16.09646416	0.028176814	24.37655067	0.000952024	0.000952024	4.96256E-06	0.006996596	0.001619705	0.03135252	0.026932267	4.94471E-06	26.31332207	2.06759E-05	0.000310722	0.000394571
2105 Jul	108.5663223	0.06739606	0.02119437	0.00113013	16.45156479	0.028744714	24.65783882	0.000979443	0.000979443	5.10061E-06	0.007170968	0.001662149	0.031714026	0.027736206	5.08249E-06	26.98438072	2.12115E-05	0.000319485	0.000406336
2105 Aug	106.3936005	0.063154355	0.02004862	0.001110065	15.90142632	0.028850278	24.3710041	0.000975421	0.000975421	5.07332E-06	0.007022115	0.001637624	0.031206237	0.027007755	5.05735E-06	26.33693695	2.05158E-05	0.000309817	0.000392424
2105 Sep	106.3410721	0.060132403	0.019293135	0.001100036	15.03716755	0.029851303	25.89937592	0.000953315	0.000953315	4.98612E-06	0.006802803	0.001589271	0.0335669	0.024770048	4.96575E-06	25.02854347	1.93276E-05	0.000287431	0.000354068
2105 Oct	107.9888535	0.062265724	0.019010825	0.0010994O1	14.56838703	0.030792046	27.69245148	0.000935533	0.000935533	4.92181E-06	0.006804982	0.001559684	0.036040559	0.023151523	4.89745E-06	24.24672127	1.90507E-05	0.00027153	0.000326697
2105 Nov	108.1239548	0.063595399	0.018817462	0.001098257	14.40475559	0.031204207	28.14085579	0.000929585	0.000929585	4.89744E-06	0.006824767	0.001545258	0.036641154	0.022564283	4.87269E-06	23.92522621	1.89549E-05	0.00026561	0.000315992
2105 Dec	108.2205429	0.063626729	0.018815033	0.00109836	14.40531921	0.031215353	28.18252945	0.000929684	0.000929684	4.89856E-06	0.006827413	0.001545988	0.036700085	0.022562154	4.87362E-06	23.93307114	1.89651E-05	0.000265612	0.000315999
2106 Jan	108.2249222	0.063638844	0.018811986	0.001098347	14.40527916	0.031219322	28.18501472	0.000929711	0.000929711	4.8987E-06	0.006827977	0.001546	0.036702212	0.022561399	4.87376E-06	23.9332695	1.89655E-05	0.000265604	0.000315972
2106 Feb	108.2284622	0.063646816	0.018811382	0.001098372	14.40597725	0.031221902	28.18590927	0.000929753	0.000929753	4.89889E-06	0.006828393	0.00154605	0.036702421	0.022562403	4.87396E-06	23.93434143	1.8966E-05	0.000265614	0.000315979
2106 Mar	108.2604904	0.063668959	0.018816413	0.001098698	14.41047573	0.031232106	28.19403267	0.000930041	0.000930041	4.90039E-06	0.006830551	0.001546516	0.03671255	0.022569472	4.87547E-06	23.94172478	1.89717E-05	0.000265695	0.000316074
2106 Apr	108.6355591	0.063890137	0.018881602	0.001102503	14.46051025	0.031340327	28.29157066	0.000933264	0.000933264	4.91737E-06	0.006854218	0.001551879	0.036839463	0.022647908	4.89236E-06	24.02482796	1.90374E-05	0.000266618	0.000317173
2106 May	110.0143127	0.06559781	0.018891765	0.001107702	14.72979164	0.031631891	28.54238892	0.00094383	0.00094383	4.9656E-06	0.006955112	0.001572581	0.03682854	0.023204448	4.9437E-06	24.51524162	1.9333E-05	0.000272346	0.00032531
2106 Jun	107.7608185	0.062755264	0.020658331	0.001094993	15.11260414	0.027743498	26.5369854	0.000920791	0.000920791	4.8356E-06	0.006819368	0.001568013	0.034219317	0.024674414	4.81388E-06	25.06536102	2.03851E-05	0.000290131	0.00036154
2106 Jul	107.9753799	0.060206763	0.020908445	0.001126906	14.96574974	0.027652875	26.45792389	0.000949121	0.000949121	4.98314E-06	0.00702965	0.001580463	0.03470917	0.024540031	4.95802E-06	24.94078827	2.13229E-05	0.000293179	0.000358925
2106 Aug	103.8582535	0.054343227	0.01917295	0.001112496	14.06246185	0.027976224	25.64130402	0.000956988	0.000956988	5.00755E-06	0.006970487	0.001536709	0.033678126	0.023233658	4.98675E-06	23.75074387	2.07998E-05	0.000279095	0.000332426
2106 Sep	101.5287628	0.051180188	0.017578337	0.001090824	13.2474308	0.029121619	25.92049789	0.000946267	0.000946267	4.95351E-06	0.006795657	0.001486324	0.034143049	0.021459376	4.9343E-06	22.53453827	1.95228E-05	0.000260498	0.000297939
2106 Oct	103.1941528	0.052217428	0.017444357	0.001093484	13.12381268	0.029796027	27.00128746	0.000943075	0.000943075	4.95246E-06	0.006811559	0.001486239	0.035656653	0.020899311	4.92999E-06	22.37756729	1.93897E-05	0.000255035	0.000288206
2106 Nov	103.5795364	0.052346621	0.017479775	0.0010957	13.14861488	0.029863853	27.13466835	0.00094485	0.00094485	4.96327E-06	0.00682736	0.001490474	0.035848733	0.020933075	4.94024E-06	22.43361092	1.9443E-05	0.000255502	0.000288804
2106 Dec	103.6871262	0.052363753	0.017480552	0.001095905	13.15096664	0.029873036	27.17605782	0.000945061	0.000945061	4.96507E-06	0.006830153	0.001491505	0.035912476	0.020936636	4.94177E-06	22.4454689	1.94554E-05	0.000255569	0.000288926
2107 Jan	103.6955261	0.052370362	0.017479163	0.001095928	13.15135384	0.029876288	27.17931938	0.000945109	0.000945109	4.96534E-06	0.006830638	0.001491589	0.035916459	0.020937065	4.94203E-06	22.44664574	1.94561E-05	0.000255575	0.000288926
2107 Feb	103.7198868	0.052383281	0.017482245	0.001096149	13.15422916	0.029883141	27.18602562	0.00094531	0.00094531	4.9664E-06	0.006832133	0.001491926	0.035925157	0.020941703	4.94309E-06	22.45178986	1.94603E-05	0.00025563	0.00028899
2107 Mar	103.7982712	0.052422378	0.017495267	0.001096957	13.16407204	0.029905125	27.2066555	0.000946008	0.000946008	4.97008E-06	0.006837188	0.001493049	0.035952546	0.020957462	4.94674E-06	22.46870422	1.94748E-05	0.000255822	0.00028921
2107 Apr	103.978363	0.052513286	0.017525591	0.001098853	13.1869154	0.029956805	27.25383949	0.000947644	0.000947644	4.97868E-06	0.006849014	0.001495639	0.036014918	0.020993879	4.9553E-06	22.50771713	1.95085E-05	0.000256266	0.000289714
2107 May	104.7123871	0.054348461	0.017867895	0.001100338	13.57809544	0.02992448	27.09575272	0.000950545	0.000950545	4.98557E-06	0.006869444	0.001513536	0.03547487	0.021780979	4.96547E-06	23.07035446	1.9599E-05	0.000263473	0.00030281
2107 Jun	105.9749451	0.058449563	0.019549418	0.001097958	14.85641384	0.028512945	25.86792755	0.000946938	0.000946938	4.94778E-06	0.006826751	0.001567803	0.03323926	0.024573416	4.93226E-06	24.8659935	2.0003E-05	0.000289551	0.000354182
2107 Jul	106.5962067	0.058161441	0.019501494	0.001110233	15.03984451	0.028696887	25.67758942	0.00096782	0.00096782	5.04827E-06	0.006954293	0.001593867	0.033010554	0.025169032	5.03299E-06	25.26734924	2.04409E-05	0.000296127	0.000362806
2107 Aug	109.0930939	0.058763273	0.019732965	0.001135411	15.33213902	0.029431574	26.28025246	0.000994551	0.000994551	5.18748E-06	0.007126517	0.001635473	0.03382425	0.025765201	5.17097E-06	25.85282326	2.09349E-05	0.000302758	0.000371119
2107 Sep	110.0169144	0.058692303	0.019337175	0.001137136	15.27212811	0.029885557	26.73563957	0.001002881	0.001002881	5.23243E-06	0.007185782	0.001645603	0.034358695	0.025704971	5.21542E-06	25.90992737	2.10138E-05	0.000301868	0.000368861
2107 Oct	109.6923218	0.059038453	0.018506004	0.001119834	14.93584633	0.030162012	27.18074226	0.000993081	0.000993081	5.1827E-06	0.007166398	0.001623951	0.034626056	0.025010966	5.16793E-06	25.49300957	2.07802E-05	0.000293794	0.000356047
2107 Nov	109.2316513	0.059406921	0.018135916	0.00111242	14.79889679	0.030314311	27.23550034	0.000988966	0.000988966	5.15922E-06	0.007160878	0.001611787	0.034535781	0.024711259	5.14637E-06	25.28718185	2.06546E-05	0.00029027	0.00035006
2107 Dec	109.4706268	0.059433717	0.018141313	0.001112672	14.80092621	0.030324209	27.33465767	0.000989084	0.000989084	5.16153E-06	0.007165066	0.001613733	0.034682266	0.024711292	5.14809E-06	25.30865479	2.06795E-05	0.000290326	0.00035025
2108 Jan	109.5527802	0.059446812	0.018143898	0.001112786	14.80210686	0.030328723	27.36870575	0.00098914	0.00098914	5.16236E-06	0.007166626	0.001614398	0.034730874	0.024711788	5.14874E-06	25.31642723	2.0688E-05	0.000290348	0.000350317
2108 Feb	109.5742188	0.059454948	0.018145021	0.001112865	14.80335808	0.030331802	27.37641525	0.000989212	0.000989212	5.16282E-06	0.007167376	0.001614617	0.034741115	0.024713675	5.14917E-06	25.3195858	2.06907E-05	0.000290371	0.000350352
2108 Mar	109.6658859	0.059505321	0.018159995	0.001113785	14.81576633	0.030357076	27.39930534	0.000990032	0.000990032	5.16711E-06	0.007173337	0.001615967	0.034770053	0.024734447	5.15344E-06	25.34083557	2.07079E-05	0.000290614	0.000350648
2108 Apr	110.3935776	0.05990202	0.018281041	0.001121158	14.91471386	0.030557759	27.58023834	0.00099659	0.00099659	5.20133E-06	0.007220803	0.001626715	0.03499933	0.024900064	5.18757E-06	25.5098877	2.0845E-05	0.000292555	0.000353002

Appendix D.2-5: CP8

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 May	111.9015961	0.060880523	0.018503461	0.001136075	15.13476276	0.031001972	27.93668175	0.00101067	0.00101067	5.27381E-06	0.007324389	0.001649629	0.035421379	0.025278449	5.26022E-06	25.8841877	2.11321E-05	0.000296849	0.000358282
2108 Jun	102.755043	0.057540346	0.01717053	0.001098173	14.27719116	0.029170707	24.73257065	0.000991789	0.000991789	5.13512E-06	0.00727275	0.001547537	0.031209951	0.024124939	5.13306E-06	24.31901169	2.11887E-05	0.000288194	0.000337085
2108 Jul	104.4792099	0.057340845	0.01750192	0.001135445	14.39932442	0.029691998	25.08348656	0.00102606	0.00102606	5.31265E-06	0.007546694	0.00157775	0.032042895	0.024351573	5.30853E-06	24.59019661	2.21489E-05	0.000294397	0.000339017
2108 Aug	108.5331116	0.05899784	0.018005542	0.00117824	14.85942173	0.030840609	26.12673569	0.001066761	0.001066761	5.52651E-06	0.007847566	0.00163791	0.033519231	0.025145831	5.52043E-06	25.44819641	2.30429E-05	0.000304772	0.000349773
2108 Sep	108.3640518	0.058174789	0.01757458	0.001178039	14.65665531	0.030983293	26.22456551	0.001071828	0.001071828	5.55411E-06	0.007896781	0.001632895	0.033815015	0.024805387	5.54688E-06	25.22974968	2.31602E-05	0.000302663	0.000343206
2108 Oct	102.8013687	0.057948213	0.015654722	0.001128528	13.65167713	0.030958574	25.35562515	0.001035601	0.001035601	5.35788E-06	0.00774472	0.001535014	0.032563008	0.022700299	5.35594E-06	23.50538254	2.22234E-05	0.000280671	0.000304667
2108 Nov	102.1320724	0.058586959	0.015346129	0.001122286	13.53287697	0.031132823	25.28589249	0.001031155	0.001031155	5.33401E-06	0.007743169	0.001521935	0.032457624	0.022387415	5.33269E-06	23.27016258	2.20879E-05	0.000277261	0.000298427
2108 Dec	102.3022079	0.05861884	0.015349442	0.001122581	13.53586674	0.031145286	25.35367012	0.001031383	0.001031383	5.33636E-06	0.007747282	0.001523438	0.032560356	0.022389963	5.3346E-06	23.28705215	2.21073E-05	0.000277333	0.00029858
2109 Jan	102.3146286	0.058629911	0.015348759	0.001122621	13.53641796	0.03114895	25.35857201	0.001031428	0.001031428	5.33665E-06	0.007747953	0.001523551	0.032567278	0.02239015	5.33487E-06	23.28841972	2.21089E-05	0.000277337	0.000298579
2109 Feb	102.3302231	0.058642831	0.015350696	0.001122787	13.53871918	0.031154534	25.36227036	0.001031588	0.001031588	5.33747E-06	0.00774922	0.001523787	0.032571752	0.022393852	5.33569E-06	23.292202	2.21121E-05	0.000277381	0.000298626
2109 Mar	102.423027	0.058696527	0.015364721	0.001123801	13.55113983	0.031182641	25.38508797	0.001032521	0.001032521	5.34229E-06	0.007756214	0.001525174	0.03260098	0.022414487	5.34051E-06	23.31352425	2.21321E-05	0.000277635	0.000298903
2109 Apr	102.8801498	0.058958866	0.015433432	0.001128812	13.611763	0.031321619	25.49819565	0.001037125	0.001037125	5.36611E-06	0.00779079	0.001531987	0.032746166	0.022514857	5.36433E-06	23.41777611	2.22308E-05	0.000278876	0.000300243
2109 May	102.7929001	0.061486907	0.015994681	0.001121604	14.18510151	0.03089842	24.71399879	0.001031802	0.001031802	5.32861E-06	0.007743874	0.001551171	0.031468295	0.023717053	5.32864E-06	24.14346886	2.21564E-05	0.000288994	0.000321494
2109 Jun	103.1410828	0.064911507	0.017724745	0.001110555	15.40688705	0.02937234	23.16187096	0.001016953	0.001016953	5.2415E-06	0.007577095	0.001599772	0.029220399	0.026372029	5.24041E-06	25.74806404	2.20921E-05	0.00031208	0.000371812
2109 Jul	104.4182968	0.063927419	0.017816223	0.001119573	15.55335522	0.02945175	23.36564255	0.001030663	0.001030663	5.31376E-06	0.00762482	0.001628328	0.029519407	0.026882006	5.31048E-06	26.14583015	2.23312E-05	0.000316666	0.000380696
2109 Aug	105.8243332	0.062315993	0.017771002	0.00113195	15.58330059	0.029953444	23.86771584	0.001046412	0.001046412	5.39805E-06	0.00765124	0.001655504	0.030127991	0.027117161	5.39318E-06	26.38674927	2.23516E-05	0.000317141	0.000383905
2109 Sep	106.440155	0.06085857	0.017104309	0.001117802	15.14444733	0.03038162	24.92664146	0.001033586	0.001033586	5.3446E-06	0.007532143	0.001639561	0.031306546	0.026189366	5.33867E-06	25.89640999	2.17856E-05	0.000305429	0.000368482
2109 Oct	106.6720963	0.062730223	0.016479768	0.001095354	14.30289459	0.031314321	26.88882256	0.00098842	0.00098842	5.14718E-06	0.007334607	0.00157429	0.033869281	0.023668628	5.1368E-06	24.43850708	2.07011E-05	0.000276824	0.000326886
2109 Nov	107.1539001	0.063382052	0.016480612	0.001096895	14.27499771	0.031524155	27.20323563	0.000986954	0.000986954	5.14503E-06	0.007348668	0.001573793	0.034336194	0.023490144	5.13328E-06	24.38025284	2.06929E-05	0.000274985	0.000323842
2109 Dec	107.3671417	0.063420385	0.016487367	0.001097307	14.27964115	0.03153947	27.28793335	0.000987249	0.000987249	5.14795E-06	0.007353595	0.001575675	0.034461029	0.02349494	5.1357E-06	24.40247345	2.07168E-05	0.000275085	0.000324058
2110 Jan	107.4036026	0.063437484	0.016488856	0.001097469	14.28184891	0.031546403	27.30087852	0.0009874	0.0009874	5.14888E-06	0.007355149	0.001576061	0.034478899	0.02349796	5.13658E-06	24.40775681	2.07216E-05	0.000275124	0.00032411
2110 Feb	107.4290695	0.063454285	0.016491903	0.001097695	14.28508091	0.031553827	27.30764961	0.000987612	0.000987612	5.15E-06	0.007356806	0.001576421	0.034487359	0.023503248	5.13769E-06	24.41341209	2.07261E-05	0.000275184	0.000324183
2110 Mar	107.4977264	0.063495696	0.016502462	0.001098394	14.29435158	0.031574037	27.32493591	0.000988244	0.000988244	5.15328E-06	0.007361505	0.001577433	0.034509059	0.02351856	5.14097E-06	24.42920113	2.07393E-05	0.000275363	0.000324394
2110 Apr	107.787117	0.063666813	0.016546959	0.001101349	14.33290672	0.03165894	27.39839172	0.000990903	0.000990903	5.16715E-06	0.007381305	0.001581683	0.034601793	0.023582047	5.1548E-06	24.49507141	2.07951E-05	0.000276105	0.000325271
2110 May	110.2923126	0.064808249	0.016841799	0.001107501	14.56685162	0.031752579	28.23817253	0.000995418	0.000995418	5.19536E-06	0.007436662	0.001605676	0.035410188	0.02400681	5.18342E-06	24.99820328	2.10931E-05	0.000280613	0.000333432
2110 Jun	116.3024063	0.064350992	0.01974969	0.001088945	15.42338371	0.027922425	29.80317879	0.000945888	0.000945888	4.9681E-06	0.007111034	0.001648307	0.036591768	0.025941705	4.95375E-06	26.66865158	2.18428E-05	0.000301453	0.000384835
2110 Jul	115.9713974	0.062727742	0.019787136	0.00110787	15.39105892	0.027926655	29.42529869	0.000967449	0.000967449	5.07365E-06	0.007249365	0.001658379	0.036420856	0.026054492	5.05864E-06	26.6734314	2.23865E-05	0.000305178	0.000385517
2110 Aug	106.1879425	0.050915591	0.017794453	0.00108182	13.55313492	0.028387683	27.57601357	0.000944795	0.000944795	4.9542E-06	0.006771204	0.001541692	0.035011321	0.022681778	4.93636E-06	23.63123703	2.00735E-05	0.000265746	0.0003243
2110 Sep	105.7415009	0.051709294	0.017160106	0.001077286	12.91891384	0.030128526	28.75196838	0.000922911	0.000922911	4.8708E-06	0.006620266	0.001492988	0.037324015	0.020489255	4.84511E-06	22.34376717	1.87467E-05	0.00024383	0.000284387
2110 Oct	105.1263885	0.058244973	0.016492931	0.001072459	12.62861347	0.03192009	29.4240036	0.000905399	0.000905399	4.79684E-06	0.006701934	0.001448655	0.038620342	0.018891787	4.76752E-06	21.41611481	1.8178E-05	0.000227645	0.000252617
2110 Nov	105.4384766	0.060143292	0.016413886	0.001071733	12.60324001	0.03224393	29.70978546	0.000901211	0.000901211	4.78131E-06	0.006741988	0.001442965	0.039080191	0.018612616	4.75031E-06	21.29252815	1.81874E-05	0.00022486	0.000247424
2110 Dec	105.6622696	0.06019507	0.016418651	0.001072061	12.60739326	0.032259773	29.80085373	0.000901429	0.000901429	4.7839E-06	0.006747133	0.001444814	0.039211728	0.018615076	4.75239E-06	21.31457901	1.82121E-05	0.000224938	0.000247609
2111 Jan	105.7428989	0.060215503	0.016420208	0.001072147	12.60886669	0.032264844	29.83403778	0.000901477	0.000901477	4.78467E-06	0.006748848	0.001445453	0.039258536	0.018615823	4.75298E-06	21.32249832	1.82206E-05	0.000224963	0.000247675
2111 Feb	105.764595	0.060226176	0.016420554	0.001072192	12.60995007	0.032267712	29.84217262	0.000901524	0.000901524	4.78502E-06	0.006749567	0.001445655	0.039269455	0.018617256	4.75329E-06	21.32545662	1.82232E-05	0.000224982	0.000247705
2111 Mar	105.899826	0.06030415	0.016441293	0.001073544	12.62611771	0.032308649	29.88028145	0.000902665	0.000902665	4.79107E-06	0.006758142	0.001447501	0.039319448	0.018641228	4.75931E-06	21.35284042	1.82464E-05	0.00022527	0.000248026
2111 Apr	106.423378	0.060602546	0.016522666	0.001078849	12.68864918	0.032468241	30.02784538	0.000907126	0.000907126	4.81475E-06	0.006791535	0.001454662	0.039513573	0.018733654	4.78283E-06	21.45856667	1.83365E-05	0.000226386	0.000249257
2111 May	107.0474396	0.063089445	0.016947094	0.001085346	13.28898239	0.032382663	29.39980125	0.000920125	0.000920125	4.86654E-06	0.006891971	0.001486493	0.038415797	0.020054052	4.83818E-06	22.32668114	1.87199E-05	0.000239537	0.000270599
2111 Jun	106.8327332	0.066591345	0.019434266	0.001077315	15.22663593	0.029061491	26.07920074	0.000923058	0.000923058	4.8428E-06	0.006866846	0.001572413	0.033641901	0.024828861	4.81811E-06	25.11888695	1.9851E-05	0.000287163	0.000359271
2111 Jul	110.618187	0.068239436	0.02004111	0.001115712	15.7745018	0.029876748	26.83876038	0.000960962	0.000960962	5.03994E-06	0.007142457	0.001634882	0.034714568	0.025895122	5.01325E-06	26.10785866	2.07644E-05	0.000299933	0.000375516
2111 Aug	106.2463989	0.061710183	0.018522037	0.001090658	14.99295139	0.029606061	25.7394886	0.000959519	0.000959519	5.01274E-06	0.006973229	0.001591499	0.03312394	0.024965426	4.99181E-06	25.1241436	2.00451E-05	0.000289053	0.000357249
2111 Sep	105.9997253	0.059004463	0.017612698	0.001081539	14.52451515	0.030325063	26.33183098	0.000957716	0.000957716	5.00898E-06	0.00687898	0.001572837	0.034002796	0.02397635	4.98736E-06	24.55033684	1.93755E-05	0.000279623	0.000338455
2111 Oct	107.5799561	0.059830464	0.01742243	0.001078906	14.03874874	0.031024996	28.08152008	0.000937528	0.000937528	4.93347E-06	0.006817665	0.001543209	0.036472693	0.02239118	4.90714E-06	23.77820778	1.89693E-05	0.000264329	0.000312672
2111 Nov	108.0880585	0.061639715	0.017194387	0.001076581	13.77791119	0.031594783	28.91123962	0.000926114	0.000926114	4.88907E-06	0.006828016	0.001522496	0.037683792	0.021448798	4.8602E-06	23.28412056	1.87935E-05	0.000254992	0.00029635
2111 Dec	108.3106003	0.061743755	0.017187987	0.001076867	13.77767944	0.031628851	29.01298523	0.000926259	0.000926259	4.89131E-06	0.006834622	0.001523903	0.037826296	0.021434877	4.86198E-06	23.2972374	1.88153E-05	0.000254905	0.000296196
2112 Jan	108.4008331	0.061761443	0.017189262	0.001076945	13.7785511	0.031633995	29.0514164	0.000926288	0.000926288	4.89206E-06	0.006836295	0.001524574	0.037879821	0.02143421	4.86253E-06	23.30520821	1.88243E-05	0.000254917	0.000296248
2112 Feb	108.4786606	0.06178046	0.017193601	0.001077164	13.78158092	0.031641226	29.08120155	0.000926449	0.000926449	4.89331E-06	0.006838346	0.001525288	0.03792135	0.02143807	4.86364E-06	23.31473541	1.88333E-05	0.000254974	0.00029635
2112 Mar	108.6662979	0.061872881	0.017219307	0.001078752	13.80213833	0.031687841	29.13518715	0.000927812	0.000927812	4.90072E-06	0.00684876	0.001527773	0.037994388	0.021470131	4.87092E-06	23.35182953	1.88638E-05	0.00025536	0.000296823
2112 Apr	109.1374054	0.062137347	0.017292932	0.001083355	13.86118507	0.031822987	29.26231003	0.000931771	0.000931771	4.9217E-06	0.006878071	0.001534362	0.03816095	0.021562103	4.89174E-06	23.45233727	1.89451E-05	0.000256455	0.000298103
2112 May	111.4840164	0.06430345	0.017966323	0.001086425	14.54646587	0.031279314	29.29947662	0.000940147	0.000940147	4.95409E-06	0.006950525	0.001577806	0.03757393	0.023151582	4.92874E-06	24.64118576	1.95196E-05	0.000272253	0.000326625
2112 Jun	110.6977768	0.061486863	0.021196952	0.001064582	15.57553291	0.025774492	26.98049164	0.000897972	0.000897972	4.73567E-06	0.006618047	0.001608686	0.034596629	0.026129857	4.70468E-06	26.17583466	2.05844E-05	0.00030314	0.000396116
2112 Jul	109.739769	0.058138564	0.021032555	0.001080113	15.19404793	0.02532161	26.68282509	0.00091483	0.00091483	4.82395E-06	0.006762089	0.001600812	0.034803584	0.025613442	4.78929E-06	25.71678734	2.13419E-05	0.000302355	0.000387777
2112 Aug	112.887085	0.058320973	0.021087511	0.001104682	15.35562897	0.026073325	27.72168732	0.000941743	0.000941743	4.96981E-06	0.006958783	0.001640368	0.036253415	0.02593088	4.93247E-06	26.20368385	2.1957E-05	0.000307543	0.000391814
2112 Sep	114.4952621	0.056556359	0.020299029	0.001100051	14.97521019	0.026412405	28.89606667	0.000945996	0.000945996	5.00122E-06	0.007001396	0.001639167	0.037691936	0.025257058	4.96267E-06	25.9715023	2.20697E-05	0.000302334	0.00038018
2112 Oct	116.1770935	0.056108758	0.019593578	0.001090032	14.64140606	0.026731007	30.20286179	0.000941733	0.000941733	4.98739E-06	0.007015467	0.001631163	0.039011814	0.024558149	4.95027E-06	25.74783325	2.2073E-05	0.000295873	0.000368323
2112 Nov	117.1059418	0.056179397	0.019498233	0.001089766	14.60143757	0.02683864	30.68458176	0.000941997	0.000941997	4.99375E-06	0.007033638	0.001635161	0.039590105	0.024455188	4.95574E-06	25.7791481	2.21461E-05	0.000295081	0.000366913
2112 Dec	117.2438354	0.056205664	0.019503884	0.001090192	14.60606956	0.026852442	30.73759842	0.000942359	0.000942359	4.99633E-06	0.007037696	0.001636437	0.039663568	0.024461569	4.95808E-06	25.79577827	2.21634E-05	0.000295186	0.000367077
2113 Jan	117.3676453	0.056210861	0.019505868	0.001090258	14.60587692	0.026855415	30.79175949	0.00094235	0.00094235	4.99713E-06	0.007039255	0.001637311	0.039738707	0.024459152	4.95861E-06	25.8056488	2.2175E-05	0.000295189	0.000367141
2113 Feb	117.4010162	0.056222133	0.019508926	0.001090447	14.60843754	0.026860775	30.8028698	0.000942516	0.000942516	4.99808E-06	0.007040662	0.001637682	0.039752737	0.024463315	4.95953E-06	25.8113308	2.21799E-05	0.000295241	0.000367211
2113 Mar	117.685051	0.05634883	0.019552812	0.001092893	14.6413641	0.026921036	30.88015175	0.000944632	0.000944632	5.00947E-06	0.007056719	0.001641538	0.039854866	0.024518581	4.97076E-06	25.87127876	2.22317E-05	0.000295912	0.000368062
2113 Apr	118.1833878	0.056585867	0.01963504	0.001097484	14.70296764	0.027034113	31.01135254	0.000948601	0.000948601	5.03054E-06	0.007086411	0.001648472	0.040024623	0.024621801	4.99167E-06	25.98043823	2.23255E-05	0.000297157	0.000369616
2113 May	120.151001	0.057881739	0.019573085	0.001097502	15.00309467	0.027194623	31.56183624	0.000957801	0.000957801	5.0636E-06	0.007152753	0.001670151	0.039802346	0.02534947	5.03437E-06	26.65481758	2.25744E-05	0.000304123	0.000380627
2113 Jun	120.1106186	0.059219357	0.020614909	0.001081614	15.75834846	0.025710087	30.62026215	0.000943531	0.000943531	4.96361E-06	0.006989581	0.001688622	0.03738882	0.0271993	4.94708E-06	27.77893448	2.25307E-05	0.000319869	0.000415299
2113 Jul	121.3527832	0.05945655	0.02076859	0.001105593	16.03077507	0.026272191	30.61793518	0.000971988	0.000971988	5.10419E-06	0.007166377	0.00172334	0.037463803	0.027853321	5.08775E-06	28.27529335	2.30427E-05	0.0003273	0.000423957
2113 Aug	122.8350754	0.059231021	0.020696953	0.001122469	16.1512146	0.026899381	30.97654152	0.000993767	0.000993767	5.21728E-06	0.007291529	0.001752388	0.038029741	0.028182957	5.19907E-06	28.60116577	2.33485E-05	0.000330798	0.000427737
2113 Sep	121.4711838	0.057977274	0.019629408	0.00110687	15.65689754	0.027493428	31.16348267	0.000987264	0.000987264	5.18197E-06	0.007224607	0.001722443	0.038124118	0.02718696	5.16601E-06	27.9064312	2.2766E-05	0.000319431	0.000408254
2113 Oct	117.3828735	0.060695004	0.01789123	0.001074784	14.6260252	0.028956117	31.34561729	0.00095142	0.00095142	5.00665E-06	0.007118208	0.001626687	0.038541771	0.024390645	4.99086E-06	25.91316795	2.14862E-05	0.000288376	0.00035576
2113 Nov	116.8238831	0.062873334	0.0175268	0.001073268	14.4256916	0.029695634	31.56886292	0.000945336	0.000945336	4.98192E-06	0.007153696	0.001606382	0.039028741	0.023629984	4.96436E-06	25.42549133	2.12603E-05	0.000280173	0.000340828
2113 Dec	116.9578857	0.062924482	0.017529109	0.001073682	14.43041706	0.029715989	31.62065506	0.000945706	0.000945706	4.98458E-06	0.007158479	0.001607626	0.03910318	0.023634458	4.96675E-06	25.44077301	2.12769E-05	0.000280252	0.000340939
2114 Jan	117.0142059	0.062942825	0.017529454	0.001073779	14.43157005	0.029722301	31.64374542	0.000945782	0.000945782	4.98532E-06	0.007159996	0.00160809	0.039136164	0.023634795	4.96737E-06	25.44624329	2.12829E-05	0.000280266	0.000340972
2114 Feb	117.0230103	0.062952839	0.017529661	0.001073842	14.4327383	0.029725771	31.64620018	0.000945852	0.000945852	4.98569E-06	0.007160649	0.001608208	0.039138965	0.023636522	4.96773E-06	25.44820786	2.12842E-05	0.000280285	0.000340992
2114 Mar	117.1591568	0.063029632	0.017549768	0.0010751	14.44983101	0.029761409	31.68271065	0.000946969	0.000946969	4.99156E-06	0.007169129	0.001610092	0.039183818	0.023664478	4.97358E-06	25.47814369	2.1309E-05	0.000280615	0.000341391
2114 Apr	117.5100021	0.063218705	0.017602412	0.001078318	14.49320984	0.029850457	31.77743721	0.000949804	0.000949804	5.0065E-06	0.007190584	0.001614918	0.039300922	0.023735588	4.98847E-06	25.55458832	2.13728E-05	0.000281457	0.000342418
2114 May	119.0102692	0.065734304	0.018168068	0.001078287	14.97008705	0.029604368	31.85393715	0.000948123	0.000948123	4.99598E-06	0.007206814	0.001639165	0.039086673	0.024667278	4.97915E-06	26.26639175	2.15751E-05	0.000289916	0.000359581
2114 Jun	120.8299637	0.068675905	0.019497307	0.001085862	15.96308327	0.028746864	31.19404602	0.000954442	0.000954442	5.01848E-06	0.007240713	0.001693142	0.037924379	0.026836758	5.00287E-06	27.72768974	2.21031E-05	0.000310955	0.000399188
2114 Jul	125.2120743	0.070635296	0.020107606	0.001125503	16.57034302	0.029685738	32.15365601	0.000994483	0.000994483	5.22703E-06	0.007529777	0.001762492	0.039164025	0.028020749	5.20971E-06	28.84891891	2.30432E-05	0.000324627	0.000417269
2114 Aug	130.8888702	0.073003508	0.020784542	0.001168777	17.19616318	0.030855019	33.70536804	0.001035357	0.001035357	5.44822E-06	0.00783759	0.001840369	0.041215912	0.029140303	5.42693E-06	30.05637169	2.40321E-05	0.000337769	0.000434711
2114 Sep	128.8678436	0.070460439	0.019571668	0.00114428	16.67392349	0.030918039	33.52570343	0.00102686	0.00102686	5.39498E-06	0.007729796	0.001805397	0.040694322	0.028313799	5.37869E-06	29.41109085	2.34655E-05	0.000329141	0.000418766
2114 Oct	127.1039581	0.070705451	0.018097028	0.001110663	15.96559048	0.031317264	33.97737885	0.001003159	0.001003159	5.27343E-06	0.007645235	0.001748782	0.040913079	0.026748102	5.26104E-06	28.37137794	2.28313E-05	0.00031247	0.000390242
2114 Nov	125.4020462	0.072115935	0.01684913	0.001082199	15.36412525	0.031802367	34.3599968	0.000980463	0.000980463	5.15658E-06	0.007595675	0.001694403	0.041053865	0.025288409	5.14825E-06	27.39886475	2.22955E-05	0.000296743	0.000363251
2114 Dec	125.5463333	0.072224155	0.016810799	0.001081557	15.34575272	0.031837534	34.46004486	0.000979821	0.000979821	5.15465E-06	0.007598792	0.001694028	0.041182429	0.025234133	5.14599E-06	27.38176918	2.22985E-05	0.000296206	0.000362376
2115 Jan	125.6348343	0.072243273	0.016812058	0.001081675	15.34691906	0.03184415	34.49710464	0.000979893	0.000979893	5.15559E-06	0.007600691	0.001694716	0.041234609	0.025234025	5.14674E-06	27.38990593	2.23077E-05	0.000296223	0.00036243
2115 Feb	125.7171936	0.072261147	0.016816163	0.001081866	15.34949303	0.031850431	34.52964401	0.00098002	0.00098002	5.15671E-06	0.007602615	0.001695425	0.041279458	0.025236938	5.1477E-06	27.39927864	2.23169E-05	0.00029627	0.000362526
2115 Mar	125.8173752	0.072305858	0.016826816	0.001082521	15.35897541	0.031869598	34.5602951	0.000980606	0.000980606	5.15999E-06	0.007607468	0.001696651	0.041319352	0.025252502	5.1509E-06	27.41816711	2.23327E-05	0.000296457	0.000362776

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Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Apr	126.3342819	0.072602786	0.01689598	0.00108696	15.42211437	0.032000221	34.70219803	0.000984628	0.000984628	5.18116E-06	0.007638667	0.001703623	0.041489072	0.025356399	5.17203E-06	27.53089333	2.24243E-05	0.000297676	0.00036427
2115 May	124.3592911	0.073932692	0.017199518	0.00108149	15.70310211	0.031598754	33.46331024	0.000980042	0.000980042	5.14106E-06	0.007593624	0.001698209	0.039724454	0.025978608	5.1365E-06	27.7234478	2.22777E-05	0.000302752	0.000374223
2115 Jun	125.1796494	0.075983062	0.01836529	0.001100433	16.50227356	0.031275108	32.61455154	0.000995145	0.000995145	5.20768E-06	0.007664585	0.001742541	0.03861551	0.027660945	5.20395E-06	28.7900486	2.27043E-05	0.00031945	0.000403238
2115 Jul	128.2676239	0.07759463	0.018860176	0.001135287	17.05381584	0.032215938	33.11424255	0.001031592	0.001031592	5.39175E-06	0.007897504	0.001801094	0.039205652	0.028765528	5.3882E-06	29.74114037	2.33631E-05	0.000331115	0.000419186
2115 Aug	121.9909973	0.071487285	0.017789654	0.00110663	16.38041687	0.031876098	31.12354279	0.001016925	0.001016925	5.29928E-06	0.007576073	0.001747784	0.036886301	0.027896661	5.29753E-06	28.58959198	2.2001E-05	0.000318257	0.00040256
2115 Sep	121.1263809	0.068728	0.017152231	0.001098544	15.99052525	0.03236492	31.29011726	0.001012878	0.001012878	5.28521E-06	0.007450344	0.00173095	0.037422247	0.027094405	5.28023E-06	28.04185867	2.12886E-05	0.00030989	0.000387827
2115 Oct	122.488121	0.068131417	0.016837945	0.001092754	15.77217102	0.032601669	32.27108765	0.001006945	0.001006945	5.26765E-06	0.007418091	0.001727717	0.038692132	0.026559297	5.25991E-06	27.86631203	2.11448E-05	0.000304841	0.000379626
2115 Nov	122.6255035	0.067907318	0.016414283	0.001083632	15.41197014	0.032901056	33.01597977	0.000994448	0.000994448	5.21267E-06	0.007358383	0.001703629	0.0396033	0.025621921	5.20477E-06	27.34393692	2.0808E-05	0.000295499	0.000363748
2115 Dec	122.7506104	0.067965657	0.016403582	0.001083825	15.39618015	0.032941338	33.10454559	0.000994077	0.000994077	5.21213E-06	0.007360027	0.001703281	0.039730627	0.025567194	5.20392E-06	27.32387352	2.08052E-05	0.000294993	0.000362853
2116 Jan	122.8874435	0.067978926	0.01640643	0.001083956	15.39694881	0.032947466	33.1629715	0.000994117	0.000994117	5.21328E-06	0.007362104	0.0017043	0.039813478	0.025565669	5.20474E-06	27.33551025	2.08181E-05	0.000295008	0.000362935
2116 Feb	122.9448013	0.068003997	0.016411882	0.001084309	15.40227318	0.032958906	33.18087006	0.000994441	0.000994441	5.21509E-06	0.007364711	0.001704993	0.039836373	0.025574366	5.20651E-06	27.34625244	2.08262E-05	0.00029511	0.000363072
2116 Mar	123.0268707	0.068049662	0.016422845	0.00108502	15.41265202	0.032980524	33.20285797	0.000995095	0.000995095	5.21852E-06	0.007369552	0.001706134	0.039862771	0.025591731	5.20993E-06	27.36468124	2.084E-05	0.000295309	0.000363322
2116 Apr	123.4970245	0.068310075	0.016485751	0.001089165	15.47169113	0.03310642	33.32954788	0.000998896	0.000998896	5.23846E-06	0.007397695	0.001712661	0.040014811	0.02568985	5.22983E-06	27.46944618	2.09196E-05	0.00029644	0.000364716
2116 May	126.6979904	0.068954289	0.017024351	0.00108977	15.78639793	0.032606628	34.36357117	0.00099735	0.00099735	5.23485E-06	0.007404449	0.001740528	0.0407787	0.026396696	5.22864E-06	28.20697021	2.13245E-05	0.00030397	0.000379925
2116 Jun	124.7816315	0.064189702	0.020467907	0.001069302	16.262743	0.027176162	32.46538544	0.00093374	0.00093374	4.93351E-06	0.006907712	0.001732959	0.039255287	0.027837679	4.91227E-06	28.67343521	2.17705E-05	0.000319914	0.000425778
2116 Jul	127.6694107	0.064883575	0.021126473	0.001108805	16.65712929	0.027718652	32.97829437	0.000969183	0.000969183	5.11971E-06	0.007172695	0.001783055	0.040243879	0.028600466	5.09502E-06	29.37604141	2.27364E-05	0.000330603	0.000437582
2116 Aug	131.3331146	0.066160806	0.021523602	0.001141488	17.05569458	0.02858565	33.93647766	0.001001502	0.001001502	5.29142E-06	0.007408854	0.001835757	0.041577257	0.029327752	5.26426E-06	30.15921211	2.34723E-05	0.00033988	0.000448228
2116 Sep	125.4768219	0.063825659	0.019553959	0.001106213	16.04864693	0.028694687	32.69324493	0.000985001	0.000985001	5.19068E-06	0.007329565	0.001750648	0.040113561	0.027419606	5.1683E-06	28.50826454	2.27637E-05	0.000321683	0.000411496
2116 Oct	120.2559586	0.06598521	0.017244399	0.00106864	14.99846554	0.029839771	32.15336609	0.000961315	0.000961315	5.05877E-06	0.007335497	0.001652698	0.039360445	0.024926936	5.04194E-06	26.61313248	2.1928E-05	0.000295994	0.000362245
2116 Nov	120.4972839	0.066941135	0.017046561	0.001068635	14.92074299	0.030182665	32.42892456	0.000960726	0.000960726	5.05991E-06	0.007372565	0.001648583	0.039778743	0.024638955	5.04192E-06	26.47356796	2.19262E-05	0.000293106	0.000356599
2116 Dec	120.6523819	0.066965759	0.017046286	0.001068733	14.92064095	0.030191196	32.49589157	0.000960756	0.000960756	5.06121E-06	0.007375401	0.001649719	0.039876472	0.024635028	5.0428E-06	26.48538017	2.19417E-05	0.0002931	0.000356653
2117 Jan	120.717392	0.066977806	0.017046208	0.001068765	14.92057228	0.03019488	32.52442932	0.000960754	0.000960754	5.06166E-06	0.007376529	0.001650171	0.039917063	0.024633056	5.04309E-06	26.4901886	2.19479E-05	0.000293092	0.00035667
2117 Feb	120.731102	0.066984974	0.017046241	0.001068796	14.92110252	0.03019709	32.52993774	0.000960782	0.000960782	5.06187E-06	0.007376993	0.001650285	0.039924167	0.024633486	5.04328E-06	26.49179268	2.19494E-05	0.000293098	0.00035668
2117 Mar	120.8312912	0.067041777	0.017060274	0.001069678	14.9335804	0.030222306	32.55685043	0.000961578	0.000961578	5.06607E-06	0.007383123	0.001651657	0.039957054	0.024654096	5.04746E-06	26.51389503	2.19676E-05	0.000293343	0.000356978
2117 Apr	121.4306564	0.067374565	0.017144989	0.001074983	15.00774956	0.030372141	32.71821594	0.000966347	0.000966347	5.09119E-06	0.007419731	0.001659854	0.040155057	0.024776602	5.07249E-06	26.64554214	2.20765E-05	0.000294799	0.000358752
2117 May	120.7552109	0.069511518	0.017223526	0.001078444	15.30387306	0.030612286	32.04132843	0.000973734	0.000973734	5.11464E-06	0.007485135	0.00166716	0.039071325	0.025357321	5.10042E-06	26.95100021	2.21402E-05	0.000299928	0.00036617
2117 Jun	119.2292862	0.071525365	0.018492486	0.001084471	16.09777641	0.029680345	30.14213181	0.000975016	0.000975016	5.10529E-06	0.007450443	0.001693626	0.036757842	0.027104832	5.09132E-06	27.81362534	2.22841E-05	0.000315902	0.000397399
2117 Jul	122.1985779	0.073111072	0.018970937	0.001119185	16.61746025	0.030543709	30.60212326	0.001011185	0.001011185	5.28895E-06	0.007696562	0.001749658	0.037385333	0.028139973	5.27435E-06	28.71059227	2.30162E-05	0.000327519	0.000412373
2117 Aug	123.116066	0.073060215	0.019005129	0.001135713	16.80622482	0.03108467	30.62273216	0.001032193	0.001032193	5.39365E-06	0.007805148	0.001776526	0.037499886	0.028606165	5.37848E-06	29.06866455	2.32569E-05	0.000332323	0.000418224
2117 Sep	123.7773285	0.072603531	0.018804705	0.001138663	16.77112961	0.031393543	30.91691017	0.001038699	0.001038699	5.43007E-06	0.007832893	0.001785173	0.037941668	0.028574307	5.41335E-06	29.11284828	2.32708E-05	0.000332003	0.000417035
2117 Oct	121.8914948	0.071742296	0.017901406	0.001118775	16.29821205	0.031597629	30.85806656	0.001025353	0.001025353	5.35815E-06	0.007744517	0.001747659	0.037681844	0.02761616	5.34429E-06	28.38703156	2.27377E-05	0.000321141	0.000399253
2117 Nov	121.2627029	0.071788602	0.017614484	0.001112807	16.15896225	0.031705204	30.82042313	0.001021167	0.001021167	5.33557E-06	0.007726452	0.00173533	0.037590288	0.027306858	5.32254E-06	28.15254211	2.25821E-05	0.000317669	0.000393349
2117 Dec	121.4283829	0.071819521	0.017605303	0.001112796	16.15470886	0.031721629	30.89940453	0.001021124	0.001021124	5.33664E-06	0.007729454	0.001736317	0.037703432	0.027292479	5.32316E-06	28.15939331	2.25953E-05	0.000317551	0.000393217
2118 Jan	121.4958115	0.071830682	0.017605873	0.001112873	16.15524292	0.031726476	30.92805099	0.001021169	0.001021169	5.33732E-06	0.007730742	0.001736833	0.037743982	0.027291838	5.32368E-06	28.1652317	2.26019E-05	0.000317557	0.000393252
2118 Feb	121.5075455	0.071842253	0.01760708	0.001112991	16.15725327	0.031731158	30.93061447	0.001021292	0.001021292	5.33794E-06	0.007731676	0.00173702	0.037746392	0.027295232	5.32431E-06	28.16849136	2.2604E-05	0.000317593	0.000393294
2118 Mar	121.5584564	0.071873479	0.017614556	0.001113457	16.16425896	0.031744562	30.94327545	0.001021723	0.001021723	5.34018E-06	0.00773492	0.001737758	0.037761651	0.027307166	5.32655E-06	28.18060684	2.26134E-05	0.00031773	0.000393466
2118 Apr	121.7881165	0.072201513	0.017635379	0.001116034	16.21701241	0.031865936	30.97978783	0.001024649	0.001024649	5.35414E-06	0.007756547	0.001741955	0.037772961	0.027397893	5.341E-06	28.26081657	2.26527E-05	0.00031863	0.000394547
2118 May	118.6083145	0.07211341	0.018609179	0.001094199	16.82655334	0.030081969	28.61417389	0.001004638	0.001004638	5.23018E-06	0.007512806	0.00174549	0.034579944	0.029020861	5.21967E-06	28.89963341	2.22583E-05	0.000331939	0.000425879
2118 Jun	115.8468933	0.068067506	0.021444252	0.001073133	17.36548233	0.026054429	26.3327713	0.000949898	0.000949898	4.9729E-06	0.0069841	0.001747311	0.03287458	0.030465072	4.94388E-06	29.3149128	2.19019E-05	0.00034458	0.000466999
2118 Jul	120.3972778	0.070380494	0.022243142	0.001118629	18.05882454	0.02708485	27.25548935	0.000993117	0.000993117	5.19784E-06	0.007294419	0.001821557	0.034128413	0.031763792	5.16671E-06	30.51856995	2.28975E-05	0.000359595	0.000486803
2118 Aug	118.1916046	0.067124262	0.021251127	0.001109857	17.57159424	0.027322263	26.7877121	0.000997483	0.000997483	5.21363E-06	0.007254512	0.0017977	0.033712234	0.031025428	5.18314E-06	29.87165833	2.25389E-05	0.000352601	0.000471812
2118 Sep	113.6740494	0.064021803	0.018708225	0.001065414	16.02479553	0.028493593	27.32925034	0.000962178	0.000962178	5.0371E-06	0.007019466	0.001682783	0.034443863	0.027525207	5.01034E-06	27.45188141	2.08972E-05	0.000317514	0.000407497
2118 Oct	114.3896408	0.067064904	0.017654398	0.001055996	15.09466648	0.030027028	29.4586544	0.000935085	0.000935085	4.93603E-06	0.007043887	0.00162247	0.037670929	0.024726827	4.90102E-06	25.88494873	2.03985E-05	0.000289494	0.000358754
2118 Nov	115.1546631	0.068203121	0.017456803	0.001055621	14.91741657	0.030436141	30.17013931	0.000929936	0.000929936	4.92116E-06	0.00707433	0.001613884	0.03869471	0.024129542	4.88342E-06	25.60815048	2.03849E-05	0.000283564	0.000348568
2118 Dec	115.1877899	0.068246581	0.017453738	0.001055884	14.92027283	0.030453905	30.18179512	0.000930247	0.000930247	4.92278E-06	0.007077519	0.001614255	0.038708396	0.02413201	4.88504E-06	25.61330605	2.03908E-05	0.000283599	0.000348556
2119 Jan	115.2595291	0.068264864	0.017453285	0.001055979	14.92128849	0.030460579	30.21134186	0.000930335	0.000930335	4.92369E-06	0.00707933	0.001614835	0.038750567	0.024132278	4.88579E-06	25.62015915	2.03986E-05	0.000283617	0.0003486
2119 Feb	115.3316269	0.068283901	0.017456904	0.001056189	14.92420864	0.03046778	30.23872566	0.000930499	0.000930499	4.92492E-06	0.007081358	0.0016155	0.038788497	0.024136106	4.88688E-06	25.62917328	2.04071E-05	0.000283672	0.000348697
2119 Mar	115.5024719	0.068384752	0.017482623	0.001057734	14.94625473	0.030512383	30.28358841	0.000931862	0.000931862	4.93214E-06	0.007091743	0.001617888	0.038846046	0.024171842	4.89404E-06	25.6671257	2.04372E-05	0.000284091	0.000349216
2119 Apr	116.2552643	0.069891483	0.017590061	0.00106181	15.19026184	0.030790726	30.32996368	0.000937984	0.000937984	4.9587E-06	0.007140531	0.001632636	0.038688473	0.024627715	4.92282E-06	26.03030205	2.05169E-05	0.00028813	0.00035581
2119 May	119.7445221	0.077193826	0.02065075	0.001050464	17.70795631	0.028645804	28.45819664	0.000928474	0.000928474	4.88027E-06	0.006937625	0.001756839	0.034938324	0.030183801	4.85113E-06	29.68559074	2.06567E-05	0.000335828	0.000457443
2119 Jun	120.3878098	0.075287029	0.021965129	0.001054939	18.15372658	0.026967254	27.82152367	0.000925003	0.000925003	4.86817E-06	0.006852731	0.001788126	0.034439698	0.031436406	4.83274E-06	30.41191292	2.11208E-05	0.000349004	0.000485349
2119 Jul	124.5139847	0.076848783	0.022589859	0.001094157	18.72212219	0.027716359	28.67436981	0.000964563	0.000964563	5.07406E-06	0.007144671	0.00185417	0.035600308	0.032576103	5.0365E-06	31.47736931	2.21416E-05	0.000362896	0.000503126
2119 Aug	125.1876373	0.075571902	0.022233002	0.001109838	18.66219711	0.028345179	28.90089035	0.000988174	0.000988174	5.18986E-06	0.007275112	0.001867893	0.035926383	0.032563321	5.15399E-06	31.54575729	2.24202E-05	0.000364746	0.000499923
2119 Sep	121.7863846	0.071191639	0.020441139	0.00108399	17.59010696	0.028732967	28.91457367	0.000976029	0.000976029	5.1213E-06	0.007152895	0.001796421	0.03590342	0.03046624	5.09047E-06	30.0251255	2.1619E-05	0.000345451	0.000460955
2119 Oct	120.4047241	0.070664637	0.019049361	0.001063943	16.70964813	0.029451389	29.7808876	0.00095842	0.00095842	5.03791E-06	0.007116436	0.001735674	0.036908779	0.028401406	5.00925E-06	28.71172333	2.11032E-05	0.000325278	0.00042353
2119 Nov	120.4523621	0.070942357	0.018712254	0.001061154	16.37772179	0.02980086	30.38581467	0.000950704	0.000950704	5.009E-06	0.007118098	0.001715442	0.037831955	0.027507937	4.97818E-06	28.18779373	2.0981E-05	0.000316587	0.000408203
2119 Dec	120.5776825	0.070975043	0.018713333	0.001061461	16.38043785	0.029815871	30.4362545	0.000950975	0.000950975	5.01114E-06	0.00712188	0.001716514	0.037903696	0.027509667	4.98005E-06	28.20057297	2.09957E-05	0.000316638	0.000408284

Appendix D.2-5: CP8

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	8.1E-04	7.3E-02	8.9E-06	1.2E+00	2.2E+00	3.7E-02	1.7E-04	4.1E+00	1.1E-03	9.1E-03	2.0E-04	1.6E-04	6.5E-05	8.8E-02	1.8E-06	5.7E-05	4.9E-04	1.6E-03	2.7E-09
Operations (2020-2043): Mean	1.8E-03	1.1E-01	1.2E-05	3.3E+00	8.2E+00	7.6E-02	1.4E-03	8.9E+01	5.4E-03	1.4E-02	4.9E-04	7.5E-04	2.8E-04	3.0E-01	6.4E-06	5.4E-04	9.1E-04	2.1E-03	1.2E-03
Operations (2020-2043): Max	3.1E-03	2.4E-01	1.6E-05	8.1E+00	2.2E+01	1.5E-01	4.1E-03	2.8E+02	1.0E-02	3.2E-02	2.2E-03	1.5E-03	5.7E-04	5.8E-01	1.7E-05	2.3E-03	1.7E-03	2.8E-03	2.2E-03
Active Closure (2044-2050): Min	1.2E-03	8.4E-02	9.4E-06	1.4E+00	5.5E+00	3.4E-02	5.2E-04	3.2E+01	3.1E-03	9.0E-03	2.7E-04	5.0E-04	1.7E-04	1.2E-01	2.1E-06	1.7E-04	4.7E-04	1.8E-03	3.4E-04
Active Closure (2044-2050): Mean	1.6E-03	9.8E-02	1.1E-05	2.1E+00	8.0E+00	5.2E-02	8.6E-04	5.4E+01	4.4E-03	1.1E-02	3.7E-04	6.2E-04	2.4E-04	2.0E-01	4.5E-06	2.7E-04	6.2E-04	2.0E-03	5.7E-04
Active Closure (2044-2050): Max	2.0E-03	1.6E-01	1.2E-05	3.0E+00	1.1E+01	8.7E-02	1.2E-03	7.8E+01	5.7E-03	1.5E-02	7.4E-04	8.9E-04	3.4E-04	3.1E-01	1.2E-05	4.8E-04	1.0E-03	2.5E-03	8.0E-04
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	9.0E-04	9.0E-02	8.5E-06	1.2E+00	3.2E+00	2.8E-02	2.9E-04	1.3E+01	1.7E-03	8.7E-03	2.1E-04	2.3E-04	9.7E-05	8.6E-02	1.8E-06	9.5E-05	4.4E-04	1.4E-03	1.1E-04
Post Closure (2051-2119): Mean	1.2E-03	1.4E-01	9.7E-06	1.6E+00	5.0E+00	5.6E-02	4.4E-04	2.2E+01	2.4E-03	1.0E-02	4.7E-04	3.3E-04	1.4E-04	1.3E-01	2.0E-06	1.2E-04	7.3E-04	1.7E-03	2.0E-04
Post Closure (2051-2119): Max	2.0E-03	1.8E-01	1.1E-05	2.1E+00	1.1E+01	8.5E-02	1.1E-03	6.9E+01	5.8E-03	1.1E-02	7.0E-04	8.9E-04	3.4E-04	1.9E-01	2.5E-06	3.2E-04	9.8E-04	2.3E-03	8.1E-04
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0.001250113	0.231525734	1E-05	2.106713772	4.625598431	0.110091448	0.000197517	7.530869961	0.001800139	0.011500433	0.000956	0.00023	0.00013	0.17977275	2E-06	7.50043E-05	0.001300139	0.001824952	0
2020 Feb	0.001250223	0.231550932	1E-05	2.106923103	4.62618494	0.110107563	0.000197533	7.531721592	0.001800274	0.011500858	0.000956	0.00023	0.00013	0.179795027	2E-06	7.50086E-05	0.001300274	0.001824906	0
2020 Mar	0.001250621	0.231627166	1.00027E-05	2.107605934	4.627752304	0.110146016	0.000197596	7.534218311	0.001800835	0.011504202	0.000956259	0.000230062	0.000130035	0.179855645	2.00054E-06	7.50312E-05	0.001300699	0.001825375	0
2020 Apr	0.001254348	0.232318893	1.00323E-05	2.113894224	4.641597271	0.110476173	0.000198184	7.556727886	0.001806195	0.011538312	0.000959084	0.000230742	0.000130419	0.180393577	2.00645E-06	7.52541E-05	0.001304582	0.001830754	0
2020 May	0.001289298	0.238792494	1.03117E-05	2.172796488	4.770943165	0.113554962	0.000203706	7.767300606	0.00185652	0.011859759	0.0009858	0.00023717	0.000134052	0.185420498	2.06234E-06	7.73507E-05	0.001340934	0.001881748	0
2020 Jun	0.001092914	0.199225023	9.33184E-06	1.826145649	3.92494297	0.091976732	0.000173269	6.458716869	0.001589188	0.010448665	0.000795256	0.000214632	0.000111428	0.152885094	1.86637E-06	6.71593E-05	0.001122596	0.001734184	0
2020 Jul	0.001064885	0.192050904	9.39262E-06	1.767238021	3.752574444	0.087050162	0.000169682	6.218401432	0.00155272	0.010372408	0.000751225	0.000214478	0.000107132	0.146362007	1.87852E-06	6.61536E-05	0.001079985	0.001752863	0
2020 Aug	0.001132702	0.203452364	1.00296E-05	1.874900341	3.971775055	0.091837324	0.000182679	6.597681046	0.001648638	0.01104562	0.000792289	0.000226695	0.00011349	0.154978275	2.00592E-06	7.04221E-05	0.001139133	0.00186282	0
2020 Sep	0.001085007	0.191481471	9.70056E-06	1.777886629	3.736800671	0.085082434	0.000191452	6.264575958	0.001564943	0.010660485	0.000731259	0.000210705	0.000106575	0.146019295	1.94011E-06	6.8424E-05	0.001058443	0.001771372	0
2020 Oct	0.001041525	0.179712296	9.38107E-06	1.681760788	3.505264282	0.078185931	0.000204108	5.940920353	0.001481169	0.010328558	0.0006688	0.000193891	9.94086E-05	0.13714467	1.87621E-06	6.69292E-05	0.000977215	0.001677405	0
2020 Nov	0.001031332	0.176747918	9.30626E-06	1.657948852	3.447232962	0.076403506	0.000208207	5.861796856	0.001460272	0.010253883	0.000652576	0.000189415	9.75805E-05	0.134924278	1.86125E-06	6.66412E-05	0.000956165	0.001653309	0
2020 Dec	0.001031144	0.176681057	9.30506E-06	1.657435417	3.44592309	0.07636036	0.000208344	5.860125542	0.001459822	0.010252774	0.000652179	0.000189307	9.75382E-05	0.134874448	1.86101E-06	6.66396E-05	0.000955661	0.001652787	0
2021 Jan	0.001031192	0.176686034	9.30523E-06	1.657490492	3.446051121	0.076362051	0.000208379	5.860380173	0.001459855	0.010253144	0.00065215	0.000189297	9.75362E-05	0.134879455	1.86105E-06	6.66434E-05	0.000955666	0.001652754	0
2021 Feb	0.001031467	0.176736653	9.30724E-06	1.657950759	3.447081804	0.076386578	0.000208429	5.862056255	0.001460238	0.010255559	0.000652308	0.00018934	9.75589E-05	0.134919465	1.86145E-06	6.66597E-05	0.000955943	0.001653098	0
2021 Mar	0.001032145	0.176854819	9.31311E-06	1.659051418	3.449410439	0.07643909	0.000208563	5.865973949	0.001461195	0.010262131	0.000652729	0.00018946	9.76213E-05	0.135010421	1.86262E-06	6.67027E-05	0.000956583	0.001654132	0
2021 Apr	0.001033411	0.177072763	9.32439E-06	1.661091328	3.453674793	0.076534115	0.000208817	5.87320137	0.001462985	0.010274614	0.000653524	0.00018969	9.774E-05	0.135177225	1.86488E-06	6.6784E-05	0.000957763	0.00165613	0
2021 May	0.001053516	0.180548996	9.50347E-06	1.693583608	3.521676064	0.078054726	0.000212781	5.988236904	0.001491501	0.010472823	0.000666532	0.000193381	9.96622E-05	0.137836501	1.90069E-06	6.80729E-05	0.000976651	0.001688023	0
2021 Jun	0.000980712	0.165607452	9.27137E-06	1.564236164	3.189511538	0.069448724	0.000199417	5.48165226	0.001398506	0.010035353	0.000590183	0.000189329	9.10743E-05	0.125112921	1.85427E-06	6.45589E-05	0.00089734	0.001669521	0
2021 Jul	0.001005212	0.168052256	9.7062E-06	1.59222436	3.212849379	0.069177687	0.000205142	5.560167789	0.00143387	0.010408481	0.000586884	0.00019662	9.21614E-05	0.126179352	1.94124E-06	6.65744E-05	0.000905741	0.001748769	0
2021 Aug	0.001040361	0.172673047	1.01008E-05	1.640313983	3.295205593	0.070457861	0.000215447	5.72926712	0.001479196	0.01078657	0.000597304	0.000201101	9.46856E-05	0.129522175	2.02016E-06	6.89445E-05	0.000922326	0.001805793	0
2021 Sep	0.000995447	0.161917254	9.73959E-06	1.552312016	3.089663744	0.06468045	0.000222768	5.432002068	0.001400786	0.01038706	0.000545224	0.000185487	8.85654E-05	0.121666089	1.94792E-06	6.68863E-05	0.000850226	0.001710196	0
2021 Oct	0.000976739	0.156340674	9.58581E-06	1.507649541	2.982436419	0.061345775	0.000231613	5.286649227	0.001360633	0.010244003	0.000514801	0.000176357	8.5101E-05	0.11755807	1.91716E-06	6.63989E-05	0.000809981	0.001660132	0
2021 Nov	0.000980343	0.156816572	9.62163E-06	1.512589097	2.991557121	0.061489619	0.000233012	5.304514408	0.00136506	0.010283552	0.000515913	0.000176759	8.53426E-05	0.117921747	1.92433E-06	6.66747E-05	0.000811992	0.001665353	0
2021 Dec	0.000981166	0.156939045	9.62975E-06	1.51380229	2.9938972	0.061533712	0.000233258	5.308819294	0.001366152	0.010292349	0.000516274	0.000176884	8.54076E-05	0.118014373	1.92595E-06	6.67336E-05	0.000812585	0.001666669	0
2022 Jan	0.000981266	0.156954229	9.63049E-06	1.513949871	2.994213104	0.061540011	0.000233294	5.309378147	0.001366272	0.010293275	0.000516301	0.000176891	8.5413E-05	0.118026718	1.9261E-06	6.67405E-05	0.000812653	0.00166676	0
2022 Feb	0.00098134	0.156969115	9.63086E-06	1.514080048	2.994530916	0.061548132	0.000233305	5.309869766	0.001366372	0.010293807	0.000516338	0.0001769	8.5418E-05	0.118038952	1.92617E-06	6.67443E-05	0.000812736	0.001666817	0
2022 Mar	0.000981817	0.157047138	9.63535E-06	1.514825463	2.99603796	0.061579973	0.000233415	5.312502384	0.001367036	0.010298681	0.000516588	0.000176984	8.54587E-05	0.118098184	1.92707E-06	6.67761E-05	0.000813143	0.00166759	0
2022 Apr	0.000991734	0.158634275	9.73256E-06	1.530130386	3.026327133	0.062203027	0.000235771	5.366187572	0.001380842	0.010402621	0.000521805	0.00017877	8.63214E-05	0.119292028	1.94651E-06	6.74501E-05	0.000821362	0.001684411	0
2022 May	0.001014733	0.162313566	9.95822E-06	1.5656178	3.096522331	0.063646033	0.000241237	5.490645885	0.001412865	0.010643836	0.000533907	0.000182915	8.83232E-05	0.122058958	1.99164E-06	6.90142E-05	0.000840413	0.001723466	0
2022 Jun	0.000955107	0.150834635	9.79278E-06	1.464482903	2.83584547	0.057123736	0.000225847	5.083727837	0.001342851	0.010297989	0.000476292	0.000182797	8.1784E-05	0.112057872	1.95856E-06	6.60259E-05	0.000784646	0.00172506	0
2022 Jul	0.000808612	0.123723701	8.89446E-06	1.214362502	2.254952192	0.043265674	0.000189326	4.149184704	0.001145241	0.009085193	0.000357318	0.000165647	6.64232E-05	0.089549817	1.77889E-06	5.70133E-05	0.000635475	0.001586338	0
2022 Aug	0.000855447	0.129810989	9.44368E-06	1.278266907	2.361316681	0.044846363	0.000203103	4.370497704	0.001206687	0.009608561	0.000369918	0.000172448	6.97198E-05	0.093881294	1.88874E-06	6.02712E-05	0.000658164	0.00166935	0
2022 Sep	0.000842381	0.125689521	9.32308E-06	1.248648047	2.288964987	0.042515587	0.000212016	4.279286385	0.001177952	0.009483487	0.000348229	0.000164102	6.74494E-05	0.091176957	1.86462E-06	5.99048E-05	0.000626156	0.001623769	0
2022 Oct	0.000830524	0.12219099	9.18254E-06	1.220325708	2.226354122	0.040554047	0.000218941	4.193219185	0.001150232	0.009370923	0.000330272	0.000156929	6.52546E-05	0.088758551	1.83651E-06	5.95842E-05	0.000600237	0.001580674	0
2022 Nov	0.00083471	0.122764878	9.22805E-06	1.226212263	2.236897707	0.040726911	0.000220305	4.213792801	0.001155727	0.009418416	0.000331633	0.000157584	6.55528E-05	0.08918038	1.84561E-06	5.98974E-05	0.000602841	0.001588008	0
2022 Dec	0.000835339	0.122849725	9.23487E-06	1.227088213	2.238459587	0.040751819	0.000220519	4.21686697	0.001156543	0.009425566	0.000331827	0.000157678	6.55966E-05	0.089242928	1.84697E-06	5.9945E-05	0.000603218	0.001589089	0
2023 Jan	0.000835419	0.122861996	9.23536E-06	1.22720623	2.238724709	0.040757257	0.00022055	4.217327595	0.001156634	0.00942625	0.000331846	0.000157681	6.56003E-05	0.089253239	1.84707E-06	5.99504E-05	0.000603273	0.001589137	0
2023 Feb	0.000835493	0.122877114	9.23571E-06	1.227337837	2.239048958	0.040765617	0.000220561	4.217825413	0.001156735	0.009426769	0.000331884	0.000157689	6.56053E-05	0.089265697	1.84714E-06	5.99541E-05	0.000603357	0.00158919	0
2023 Mar	0.000835627	0.12289916	9.23694E-06	1.227547526	2.239477396	0.040774751	0.000220591	4.218570232	0.00115692	0.00942811	0.000331942	0.000157711	6.56154E-05	0.08928252	1.84739E-06	5.99629E-05	0.00060347	0.001589398	0
2023 Apr	0.000840347	0.123594701	9.28897E-06	1.234488845	2.252166748	0.041006558	0.000221835	4.242438793	0.001163454	0.009481268	0.000333819	0.000158601	6.59858E-05	0.089788273	1.85779E-06	6.03011E-05	0.000606889	0.001598348	0
2023 May	0.000862602	0.127298355	9.50047E-06	1.269622564	2.323329687	0.042535942	0.000226513	4.365808964	0.001194892	0.009708831	0.000346807	0.000162747	6.80206E-05	0.092583463	1.90009E-06	6.17653E-05	0.000626549	0.001635681	0
2023 Jun	0.000836482	0.125641957	9.22021E-06	1.244935036	2.29316473	0.042968027	0.000208929	4.265823364	0.001172901	0.009414968	0.000352279	0.000164751	6.73952E-05	0.091252379	1.84404E-06	5.95387E-05	0.000632667	0.001616409	0
2023 Jul	0.000824588	0.122748725	9.29297E-06	1.219717741	2.214879751	0.040810794	0.000203777	4.155244827	0.0011603	0.009401962	0.000333524	0.000166748	6.56291E-05	0.088285469	1.85859E-06	5.89864E-05	0.000616176	0.001638487	0
2023 Aug	0.000870327	0.128785506	9.82544E-06	1.281656027	2.319015265	0.042395167	0.000216341	4.369429588	0.001220134	0.009913937	0.000346395	0.000173705	6.88237E-05	0.092502311	1.96509E-06	6.21382E-05	0.000639274	0.001720373	0
2023 Sep	0.000879572	0.129034877	9.94925E-06	1.291883826	2.32708931	0.042050589	0.000225327	4.409513474	0.001229009	0.010021369	0.00034209	0.000172265	6.91189E-05	0.092957556	1.98985E-06	6.30375E-05	0.0006339	0.001727336	0
2023 Oct	0.00087823	0.127956599	9.91908E-06	1.284377694	2.309178591	0.041320395	0.000230422	4.390894413	0.001220866	0.010012165	0.000335149	0.000169187	6.83698E-05	0.092275456	1.98382E-06	6.32127E-05	0.000624092	0.001711692	0
2023 Nov	0.000883434	0.128598273	9.97511E-06	1.291250825	2.32104516	0.041479252	0.000232536	4.415427685	0.001227227	0.010071984	0.000336303	0.000169794	6.8689E-05	0.092753522	1.99502E-06	6.36237E-05	0.000626615	0.001719922	0
2023 Dec	0.000884017	0.128674001	9.98148E-06	1.292045355	2.322434664	0.041499857	0.000232748	4.418226719	0.001227969	0.010078676	0.000336459	0.000169875	6.87276E-05	0.092809357	1.9963E-06	6.36686E-05	0.000626936	0.001720907	0
2024 Jan	0.00088407	0.128682107	9.98153E-06	1.29212749	2.322645426	0.04150448	0.000232784	4.418732166	0.001228026	0.010079002	0.000336465	0.00016987	6.87286E-05	0.092818126	1.99631E-06	6.36746E-05	0.000626973	0.001720874	2.73625E-09
2024 Feb	0.000884137	0.128696114	9.98161E-06	1.292272091	2.322999716	0.041513883	0.00023283	4.41987896	0.001228154	0.010079429	0.0003365	0.00016988	6.87327E-05	0.092834398	1.99634E-06	6.36876E-05	0.000627071	0.00172089	1.33382E-08
2024 Mar	0.000885615	0.128912747	9.99787E-06	1.294466734	2.326987028	0.041586712	0.000233257	4.428097248	0.001230248	0.010096127	0.000337066	0.000170165	6.88469E-05	0.092996538	1.99961E-06	6.38045E-05	0.000628153	0.001723703	2.55074E-08
2024 Apr	0.000888521	0.129336178	1.00304E-05	1.298739195	2.334685564	0.041725129	0.000234057	4.443304062	0.00123432	0.010129196	0.000338173	0.000170725	6.90724E-05	0.093306676	2.00614E-06	6.40231E-05	0.000630237	0.001729324	3.58669E-08
2024 May	0.000932503	0.133558914	1.019E-05	1.414627433	2.523639441	0.045454118	0.00034792	6.468666077	0.00139802	0.010724545	0.000360511	0.000190202	7.29704E-05	0.108213224	2.08443E-06	9.43693E-05	0.000701211	0.001794577	2.90224E-05
2024 Jun	0.001006642	0.132871971	9.66936E-06	1.745188236	3.009177923	0.05486732	0.000823152	14.98409176	0.001974435	0.012047298	0.000399448	0.000259405	8.08663E-05	0.160485014	2.18361E-06	0.000221438	0.000922591	0.001880336	0.000163082
2024 Jul	0.001096172	0.142287388	1.04527E-05	1.920786381	3.283218622	0.059401382	0.0009522	17.28778267	0.00220754	0.013225559	0.000426748	0.000289983	8.7753E-05	0.179050446	2.38693E-06	0.00025597	0.001016352	0.002054609	0.000193943
2024 Aug	0.001175425	0.148361802	1.10552E-05	2.081561804	3.529237509	0.062969171	0.001093051	19.86992645	0.002447622	0.014214821	0.0004436	0.000319168	9.44796E-05	0.197276294	2.55374E-06	0.000292797	0.001093652	0.002184586	0.000234284
2024 Sep	0.001199731	0.14227879	1.08997E-05	2.168132305	3.620205164	0.062606327	0.001271499	23.12944603	0.002664433	0.014591536	0.000422157	0.000342208	9.6831E-05	0.212406278	2.58476E-06	0.000337822	0.00112494	0.0021827	0.000292887
2024 Oct	0.001222798	0.14083387	1.09052E-05	2.234421492	3.699055433	0.063080803	0.001380777	25.00137138	0.002792843	0.014974961	0.000416078	0.000355847	9.80774E-05	0.222483963	2.62789E-06	0.000365403	0.001155763	0.002205019	0.000322317
2024 Nov	0.001234454	0.140136763	1.09086E-05	2.273013115	3.741814375	0.063407354	0.001445668	26.02595329	0.00286084	0.015211353	0.000412835	0.000362764	9.8338E-05	0.228382632	2.65458E-06	0.000381724	0.001175327	0.002219823	0.000338081
2024 Dec	0.001235761	0.140226021	1.09172E-05	2.275945425	3.746029377	0.063467637	0.001448728	26.07698059	0.002865117	0.015230219	0.00041307	0.000363259	9.84235E-05	0.22873807	2.65745E-06	0.00038251	0.001176843	0.002222012	0.000338818
2025 Jan	0.001235995	0.140229106	1.09173E-05	2.276693583	3.747049093	0.063483171	0.001449776	26.09431267	0.002866326	0.015234212	0.000413071	0.000363388	9.84333E-05	0.228847235	2.65789E-06	0.00038278	0.001177268	0.002222297	0.000339079
2025 Feb	0.001236335	0.140262276	1.09189E-05	2.277507067	3.748375893	0.063508153	0.00145053	26.10760307	0.002867447	0.015238655	0.000413168	0.000363518	9.84564E-05	0.228947461	2.65852E-06	0.000382978	0.001177738	0.002222793	0.000339267
2025 Mar	0.001236796	0.140311688	1.09223E-05	2.278458357	3.749936104	0.063535944	0.001451264	26.12066078	0.002868696	0.015244476	0.000413314	0.00036367	9.8491E-05	0.229053125	2.65945E-06	0.000383172	0.001178257	0.002223559	0.000339444
2025 Apr	0.00123877	0.140533984	1.09393E-05	2.282152176	3.756011963	0.063639678	0.001453689	26.16422272	0.002873376	0.015268881	0.000413968	0.000364259	9.86469E-05	0.229430139	2.66366E-06	0.000383812	0.001180182	0.002227072	0.000340015

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.001271347	0.144228458	1.12268E-05	2.342198372	3.854830027	0.065314271	0.00149198	26.85334206	0.002948998	0.015670475	0.000424853	0.000373844	0.000101241	0.235469803	2.7337E-06	0.000393922	0.001211242	0.002285625	0.000348973
2025 Jun	0.001342509	0.130409747	1.09991E-05	2.669902086	4.200221539	0.067635469	0.00207544	37.71095657	0.003688945	0.017292563	0.000384714	0.00047281	0.000108132	0.289484948	2.91363E-06	0.000551023	0.001403211	0.002455601	0.000539432
2025 Jul	0.001467742	0.115457326	1.10182E-05	3.111280203	4.72208786	0.071455233	0.002794647	51.94765854	0.004705192	0.01939607	0.000339578	0.000607749	0.00012255	0.358973801	3.16718E-06	0.000746844	0.001642439	0.002682141	0.00080287
2025 Aug	0.001621741	0.09773618	1.21505E-05	3.184128284	4.936741352	0.063042991	0.002768689	57.76067352	0.005283263	0.018362978	0.000240095	0.000647272	0.000160678	0.356589735	3.18734E-06	0.000737091	0.00139288	0.002458835	0.000973601
2025 Sep	0.002018099	0.085263439	1.27346E-05	4.840854168	6.74976778	0.076712638	0.003680908	109.0890884	0.0073557	0.0275991	0.000256308	0.000970763	0.000274515	0.52224642	3.80499E-06	0.000958209	0.00161135	0.002750486	0.001955149
2025 Oct	0.001993338	0.082874008	1.18097E-05	5.377705097	6.949313641	0.078408696	0.004115206	123.4043045	0.007348983	0.032386668	0.00025456	0.000973595	0.000271716	0.579070389	4.04792E-06	0.001041289	0.001712193	0.002803955	0.002154405
2025 Nov	0.001934299	0.084386401	1.14591E-05	5.131078243	6.691140652	0.077157222	0.004094718	115.3892212	0.007059474	0.031102838	0.000251178	0.000919035	0.000247389	0.560549319	3.95122E-06	0.001036396	0.001726025	0.002749905	0.001987895
2025 Dec	0.001936866	0.084485091	1.14725E-05	5.137302876	6.699446678	0.077258229	0.004102563	115.5132523	0.007069121	0.031143053	0.000251318	0.000920076	0.000247518	0.561365068	3.95689E-06	0.001038383	0.001729207	0.00275387	0.001989711
2026 Jan	0.001909747	0.085342854	1.14276E-05	4.959341526	6.516397953	0.074559323	0.003933663	110.7641754	0.006844684	0.030173173	0.000246418	0.000887488	0.000241264	0.539568603	3.8664E-06	0.000994092	0.001660095	0.002682512	0.001900387
2026 Feb	0.001907213	0.085505955	1.14233E-05	4.941215038	6.498802662	0.074324593	0.003916387	110.2641983	0.006821751	0.030072736	0.000246103	0.000884105	0.000240601	0.537362218	3.85714E-06	0.000989576	0.001653496	0.002675287	0.001890884
2026 Mar	0.001911192	0.085718259	1.14462E-05	4.951426983	6.512731075	0.074502043	0.003924536	110.4840088	0.006835758	0.030133693	0.000246708	0.000885893	0.000241074	0.53848803	3.86499E-06	0.000991646	0.001657208	0.002680789	0.001894594
2026 Apr	0.001928767	0.086526312	1.15509E-05	4.99689436	6.572822571	0.075199798	0.003960588	111.4939041	0.006898468	0.030409735	0.000249029	0.000894005	0.000243275	0.54344058	3.90041E-06	0.001000762	0.001672588	0.002705391	0.00191188
2026 May	0.002001359	0.091676801	1.19694E-05	5.173470497	6.831723213	0.079068333	0.004104852	114.9419861	0.00714337	0.031443585	0.000268812	0.000924855	0.00025119	0.563392162	4.04118E-06	0.001038125	0.00174984	0.002811676	0.001966938
2026 Jun	0.001622951	0.11205066	1.10841E-05	3.846724987	5.687812328	0.07783401	0.002730342	72.44032288	0.005437827	0.020970602	0.000386293	0.000739841	0.000198248	0.400253952	3.12561E-06	0.00078428	0.001552492	0.002545933	0.0012264
2026 Jul	0.0016609	0.116011888	1.19819E-05	3.626801729	5.627520561	0.074123248	0.002264154	66.49071503	0.005414475	0.018638223	0.000395853	0.000759689	0.000214856	0.356564134	3.02497E-06	0.000703036	0.001413386	0.002580421	0.001130478
2026 Aug	0.00187147	0.114365362	1.31488E-05	3.832023621	6.221710682	0.075144753	0.002154606	73.19841766	0.006238455	0.017312299	0.00040063	0.000872592	0.00026403	0.358954191	3.0241E-06	0.000737594	0.001335132	0.002576953	0.00128861
2026 Sep	0.002000135	0.11282476	1.3615E-05	3.967082977	6.616565704	0.076382242	0.002090678	77.79356384	0.006754054	0.01657317	0.000411539	0.000941943	0.000295976	0.361492425	2.99608E-06	0.000752973	0.001293781	0.002557877	0.001378955
2026 Oct	0.001987414	0.103147008	1.2963E-05	3.769001245	6.461068153	0.070153616	0.001864631	75.24685669	0.006683024	0.014632842	0.000382413	0.000918882	0.000301225	0.332140893	2.72897E-06	0.000704827	0.00112685	0.002291779	0.001326867
2026 Nov	0.001998727	0.103787631	1.30304E-05	3.779868841	6.484875202	0.070321687	0.001870366	75.46713257	0.006709578	0.014714837	0.000383925	0.00092144	0.000302336	0.333061457	2.74422E-06	0.000705803	0.001129317	0.002301244	0.00132831
2026 Dec	0.002000249	0.103875734	1.3041E-05	3.782656908	6.489425659	0.070369065	0.001872142	75.51773834	0.006714125	0.014729007	0.000384141	0.000922008	0.000302514	0.333322018	2.74666E-06	0.000706355	0.001130218	0.002303071	0.00132915
2027 Jan	0.002000359	0.103905521	1.30418E-05	3.782823801	6.489801884	0.07038144	0.001872273	75.51532745	0.006714031	0.014730892	0.00038418	0.000921966	0.000302501	0.333344132	2.7469E-06	0.000706361	0.00113038	0.002303178	0.001329073
2027 Feb	0.002000457	0.103938296	1.30421E-05	3.783013821	6.490334988	0.07039956	0.001872297	75.51384735	0.006714021	0.014731867	0.000384257	0.000921949	0.000302498	0.333366841	2.74699E-06	0.000706356	0.00113057	0.002303241	0.00132902
2027 Mar	0.002003411	0.104106925	1.30612E-05	3.788603544	6.50003767	0.070511542	0.001875025	75.62254333	0.006723751	0.014753762	0.000384856	0.000923277	0.000302934	0.333862633	2.75103E-06	0.000707378	0.001132314	0.002306615	0.001330918
2027 Apr	0.002026414	0.105311014	1.3211E-05	3.832106113	6.574739933	0.071325786	0.001896532	76.48921967	0.006800847	0.014923246	0.000389293	0.000933859	0.000306407	0.337698102	2.7826E-06	0.000715488	0.001145358	0.002333084	0.001346163
2027 May	0.002103489	0.110190131	1.36971E-05	3.971910477	6.825674534	0.074421205	0.00196266	79.1624527	0.007047513	0.01549078	0.000408952	0.000967231	0.000317665	0.350231946	2.88691E-06	0.000739689	0.001192259	0.00242147	0.001390626
2027 Jun	0.001632367	0.096917808	1.20392E-05	3.106097937	5.242773533	0.058810268	0.001478861	57.95325089	0.005384398	0.012979365	0.000326265	0.000774909	0.000240054	0.268948197	2.52235E-06	0.000573258	0.001027392	0.002288326	0.001017257
2027 Jul	0.001654381	0.097449683	1.27987E-05	3.060027361	5.226813793	0.057596035	0.001320061	58.45533371	0.005519925	0.012554013	0.000318812	0.000817727	0.000259054	0.25720799	2.55885E-06	0.000547178	0.001014405	0.002438946	0.00104074
2027 Aug	0.001962704	0.102017149	1.4419E-05	3.60362339	6.288311005	0.066641897	0.00149456	72.95817566	0.006796842	0.01320166	0.000359367	0.00099815	0.000315996	0.300688028	2.76872E-06	0.0006494	0.001103753	0.002634456	0.001333763
2027 Sep	0.002166179	0.094827652	1.41542E-05	3.826022863	6.947754383	0.069754839	0.0015164	82.89351654	0.007713088	0.012267245	0.000393969	0.00110628	0.00036723	0.317506552	2.65365E-06	0.00068143	0.001048176	0.002475363	0.001483152
2027 Oct	0.002058688	0.09325549	1.32924E-05	3.486955404	6.421915054	0.063303143	0.001378848	74.8735199	0.007083425	0.011850382	0.00037196	0.000997222	0.000337371	0.288513243	2.52636E-06	0.000600228	0.000937461	0.00227745	0.001297996
2027 Nov	0.002041194	0.093666904	1.32258E-05	3.433843613	6.323353767	0.062135521	0.001372398	73.33996582	0.006956951	0.011937575	0.000365065	0.000974487	0.000330372	0.284478515	2.52664E-06	0.00058857	0.000923939	0.002255239	0.00126431
2027 Dec	0.00204175	0.093742095	1.32316E-05	3.433933258	6.323248863	0.062124811	0.001373249	73.32302856	0.006955993	0.011949924	0.000364959	0.00097413	0.000330275	0.284507126	2.52837E-06	0.000588521	0.000924003	0.002255748	0.001263748
2028 Jan	0.002041561	0.093778007	1.32305E-05	3.433642387	6.32276392	0.062135827	0.001373278	73.3056488	0.006954511	0.011951342	0.000364964	0.000973871	0.000330189	0.284498811	2.52833E-06	0.000588437	0.000924134	0.002255525	0.001263393
2028 Feb	0.002041995	0.093847975	1.32328E-05	3.434461832	6.324538708	0.062176149	0.001373553	73.31305695	0.00695539	0.0119549	0.000365147	0.000973966	0.000330223	0.284580827	2.52885E-06	0.00058852	0.000924607	0.002255936	0.001263477
2028 Mar	0.002042882	0.093915753	1.32382E-05	3.436001539	6.327517986	0.062217806	0.001374141	73.34047699	0.006958087	0.011960641	0.000365362	0.000974328	0.000330348	0.28471604	2.52994E-06	0.000588752	0.000925158	0.002256879	0.001263925
2028 Apr	0.002056408	0.094552673	1.33257E-05	3.458777666	6.369541168	0.062637933	0.001383234	73.82357025	0.007003973	0.012040136	0.000367813	0.000980745	0.000332524	0.286607593	2.54669E-06	0.000592638	0.000931367	0.002271801	0.001272237
2028 May	0.002116976	0.097344987	1.37177E-05	3.560612917	6.557408333	0.064488336	0.001423982	75.99981689	0.007210152	0.012394673	0.000378691	0.00100962	0.000342316	0.295051366	2.62164E-06	0.000610079	0.000958854	0.002338683	0.001309667
2028 Jun	0.001631587	0.087270409	1.23786E-05	2.949041128	5.112520218	0.052107524	0.001312881	57.34806824	0.005458648	0.011861874	0.000271667	0.000796913	0.000248467	0.247686639	2.44883E-06	0.00053636	0.00091898	0.002277324	0.001027781
2028 Jul	0.001572517	0.088887244	1.28715E-05	2.887911081	4.905890942	0.050666593	0.001289011	55.36344528	0.005243072	0.012167267	0.000249551	0.000787564	0.00023574	0.241704538	2.52974E-06	0.000529785	0.000950415	0.002424398	0.001009687
2028 Aug	0.001769002	0.100025877	1.45567E-05	3.235641956	5.500017643	0.056593291	0.001447361	62.07859802	0.005878028	0.01369434	0.000276539	0.000881062	0.000264327	0.270987064	2.85603E-06	0.000591983	0.001059597	0.00272207	0.001133607
2028 Sep	0.001690857	0.098550685	1.4155E-05	2.968363285	5.170277119	0.050591078	0.001278717	55.91040421	0.005307872	0.01297915	0.000242988	0.000784918	0.000245288	0.242393211	2.71105E-06	0.000518554	0.000914531	0.002484356	0.001022182
2028 Oct	0.001654395	0.089511551	1.22935E-05	2.69515419	4.97106123	0.043735672	0.001270404	53.03885651	0.004867637	0.012122731	0.000213261	0.0006706	0.000227061	0.223197192	2.39067E-06	0.000466356	0.000732943	0.001948697	0.000898698
2028 Nov	0.001613525	0.090729505	1.21247E-05	2.568730116	4.724712849	0.041140109	0.001224535	49.16913605	0.004581091	0.012203893	0.000201458	0.000618778	0.000212221	0.212193966	2.37736E-06	0.000433921	0.000694242	0.00188954	0.000818362
2028 Dec	0.00161487	0.09081804	1.21355E-05	2.570837259	4.728257656	0.041170318	0.001225897	49.20262527	0.004584316	0.012217234	0.00020157	0.000619147	0.000212346	0.212381184	2.37971E-06	0.000434298	0.000694869	0.00189116	0.000818872
2029 Jan	0.001614836	0.090847291	1.21349E-05	2.570842266	4.728308678	0.041184884	0.001225958	49.1954422	0.00458379	0.012218264	0.000201619	0.00061904	0.000212309	0.212394342	2.37972E-06	0.000434273	0.000695036	0.00189108	0.000818712
2029 Feb	0.001614896	0.090887025	1.21346E-05	2.571033955	4.728872299	0.041209243	0.001225965	49.19241714	0.004583655	0.012219008	0.000201726	0.000619001	0.000212298	0.212421447	2.37972E-06	0.000434261	0.000695287	0.001891076	0.00081863
2029 Mar	0.001615716	0.090953045	1.21404E-05	2.572392702	4.731486797	0.041242633	0.001226566	49.21475983	0.004585817	0.012225374	0.000201882	0.000619283	0.000212396	0.212539867	2.38088E-06	0.000434467	0.000695762	0.001891997	0.000818984
2029 Apr	0.001620411	0.091228642	1.21754E-05	2.579897165	4.745355606	0.04136958	0.001230118	49.35625076	0.004599047	0.012260986	0.000202499	0.000621063	0.000213007	0.213163406	2.38778E-06	0.00043572	0.000697854	0.001897471	0.000821328
2029 May	0.001653753	0.093496174	1.24087E-05	2.631640196	4.850205898	0.042479295	0.00125385	50.3734169	0.004689896	0.012508592	0.000209578	0.000633382	0.000217385	0.21759513	2.43489E-06	0.000443753	0.000714635	0.0019359	0.000836077
2029 Jun	0.001807268	0.093916416	1.20859E-05	2.897724867	5.772787571	0.053951357	0.001459588	64.23331451	0.005635703	0.012675668	0.000313843	0.000805646	0.000261116	0.254830897	2.49848E-06	0.000517516	0.000918481	0.002198546	0.000977091
2029 Jul	0.001368078	0.081882067	1.15854E-05	2.42109561	4.332732201	0.043033067	0.001156718	46.17725754	0.004334052	0.011186562	0.000208225	0.000663883	0.000195037	0.206076741	2.29857E-06	0.000444897	0.000840728	0.002189209	0.000837095
2029 Aug	0.001412576	0.085837372	1.23362E-05	2.3954072	4.357168674	0.041815937	0.000998399	45.80478287	0.004354584	0.010858347	0.000210228	0.000667577	0.000204606	0.194586352	2.34771E-06	0.00041096	0.000765013	0.002202849	0.000840082
2029 Sep	0.001559044	0.086607791	1.25875E-05	2.542500734	4.900176525	0.044128269	0.001059679	51.86305237	0.004792402	0.010902675	0.000230526	0.000716298	0.00023209	0.206252322	2.37193E-06	0.000429077	0.000742516	0.002150638	0.000913898
2029 Oct	0.001487227	0.087399594	1.19349E-05	2.29920435	4.454442501	0.038875703	0.000998918	45.02510834	0.004248138	0.011005281	0.00020749	0.000608694	0.000203538	0.186291903	2.29919E-06	0.0003695	0.000655683	0.001961015	0.000753146
2029 Nov	0.001468831	0.088094972	1.1828E-05	2.241263151	4.334269524	0.037482396	0.000990709	43.16147232	0.004094675	0.011119	0.000199753	0.000578494	0.000195125	0.181559101	2.2944E-06	0.000355628	0.00063585	0.001920223	0.000710522
2029 Dec	0.001469974	0.088156752	1.18353E-05	2.242828369	4.337993145	0.037508987	0.000991871	43.20453262	0.004097556	0.011128612	0.000199896	0.000578861	0.000195252	0.1817085	2.29609E-06	0.000355923	0.000636359	0.001921448	0.000710956
2030 Jan	0.001470005	0.088188022	1.1835E-05	2.242964745	4.338228226	0.03752514	0.000992017	43.19984436	0.004097243	0.011130136	0.000199949	0.000578775	0.000195224	0.181733459	2.29616E-06	0.000355927	0.000636553	0.001921393	0.000710841
2030 Feb	0.001470585	0.088257827	1.18388E-05	2.243965149	4.34031868	0.037562635	0.000992395	43.21239471	0.004098571	0.011134815	0.000200123	0.00057894	0.000195281	0.181826681	2.29696E-06	0.000356047	0.000637026	0.001922038	0.000711016
2030 Mar	0.001472188	0.088373132	1.18512E-05	2.246474743	4.345257282	0.037615951	0.00099347	43.257061	0.004102882	0.011147113	0.000200393	0.000579537	0.000195484	0.182036638	2.2994E-06	0.000356425	0.000637842	0.001924071	0.000711733
2030 Apr	0.001478652	0.088772096	1.19029E-05	2.256375074	4.364455223	0.037788197	0.000997828	43.44559479	0.004120808	0.011196148	0.000201302	0.000582061	0.000196336	0.182842657	2.30947E-06	0.000357984	0.000640712	0.001932484	0.000714826
2030 May	0.001527734	0.091738902	1.22969E-05	2.331292629	4.510322571	0.039059065	0.001030989	44.89771271	0.004257437	0.011567703	0.000208136	0.000601367	0.000202854	0.188926265	2.38599E-06	0.000369857	0.000662159	0.001996584	0.000738482
2030 Jun	0.001497039	0.095339	1.17797E-05	2.738623619	5.051188946	0.05749638	0.001164153	53.89372253	0.004536152	0.013073471	0.00028069	0.000659154	0.00020975	0.260006994	5.3975E-06	0.000455772	0.000854239	0.002198155	0.000835992
2030 Jul	0.001431906	0.089123644	1.17861E-05	2.806355	5.044500828	0.060138047	0.001038376	57.08208466	0.004533745	0.01310997	0.000256143	0.00066964	0.00020996	0.276781023	7.12966E-06	0.000458335	0.000819684	0.002234897	0.000891309
2030 Aug	0.001691899	0.093550377	1.28442E-05	3.153320789	6.315061569	0.067214355	0.001152963	74.15024567	0.005442042	0.013717865	0.000302942	0.000803043	0.00026168	0.309094518	7.68619E-06	0.000517704	0.000854649	0.002376447	0.001075675
2030 Sep	0.001841782	0.09748739	1.36786E-05	3.393559933	7.03054285	0.071281701	0.001243214	82.81369019	0.005930396	0.014279583	0.000322635	0.000873878	0.000290032	0.328661859	7.9543E-06	0.000559639	0.00088604	0.002480925	0.001183411
2030 Oct	0.001738078	0.09420979	1.29403E-05	3.080744028	6.379768848	0.062229134	0.001176648	72.8577652	0.005323253	0.013687984	0.000278114	0.000760363	0.000259269	0.29406321	7.00667E-06	0.00049841	0.000774562	0.002227357	0.001034363
2030 Nov	0.001663875	0.093697928	1.25568E-05	2.872549057	5.904725552	0.056805268	0.001127266	65.84151459	0.004918816	0.01341438	0.000256092	0.000690383	0.000237563	0.271426916	6.38426E-06	0.000457018	0.000723479	0.002118194	0.000926633
2030 Dec	0.001664518	0.093744874	1.25621E-05	2.873539209	5.906413555	0.056818642	0.001128071	65.85707092	0.004920115	0.013422087	0.000256125	0.000690501	0.000237602	0.271523118	6.38569E-06	0.000457205	0.000723801	0.002118986	0.000926807
2031 Jan	0.00166452	0.093773708	1.25618E-05	2.873547077	5.906319618	0.056829635	0.001128189	65.84796906	0.004919683	0.013423113	0.000256164	0.000690402	0.000237568	0.271527797	6.38483E-06	0.000457191	0.00072397	0.002118913	0.000926658
2031 Feb	0.001664581	0.093810722	1.25615E-05	2.873706579	5.906727791	0.056850478	0.001128219	65.84345245	0.004919553	0.013423748	0.000256256	0.000690363	0.000237556	0.271547109	6.38434E-06	0.000457181	0.000724204	0.002118895	0.000926575
2031 Mar	0.001665505	0.093881048	1.25681E-05	2.875329733	5.910107136	0.056892235	0.001128839	65.87618256	0.004922111	0.013431269	0.000256444	0.000690711	0.000237677	0.271702796	6.38748E-06	0.00045742	0.000724718	0.002120018	0.000927025
2031 Apr	0.001681007	0.09476465	1.26847E-05	2.902096272	5.96529007	0.057427604	0.001139343	66.48910522	0.004967829	0.01355622	0.000258859	0.000697122	0.000239884	0.274233699	6.44666E-06	0.000461668	0.000731526	0.002139712	0.000935617
2031 May	0.001719552	0.104684405	1.29362E-05	2.954602003	6.094874859	0.061709318	0.001150857	65.73407745	0.00498378	0.013963682	0.000301847	0.000696031	0.000241587	0.27875194	6.36009E-06	0.0004594	0.000788682	0.002192762	0.000915924
2031 Jun	0.001771778	0.134512037	1.212E-05	3.481690884	7.142832279	0.096878037	0.001276421	74.53630829	0.00523725	0.015838169	0.000523355	0.00071989	0.000255214	0.368443102	9.51507E-06	0.000524925	0.001104765	0.002276448	0.000977265
2031 Jul	0.001957588	0.146126345	1.32245E-05	3.847519398	7.882810116	0.107743181	0.001352904	82.25558472	0.005908094	0.016939268	0.000587062	0.00082044	0.000290266	0.405439019	1.04265E-05	0.000577105	0.001214842	0.002495623	0.001113116
2031 Aug	0.002274696	0.134516999	1.40944E-05	4.327578545	9.73789978	0.11389558	0.001591933	110.1027451	0.007298289	0.017054716	0.000588789	0.001027786	0.000366756	0.455154687	1.13107E-05	0.000691287	0.001212695	0.002564342	0.001472048
2031 Sep	0.002788406	0.104236059	1.33782E-05	4.73418951	13.48204041	0.117900707	0.001989374	169.4800568	0.009474262	0.015958572	0.000628618	0.001370101	0.000496194	0.502441645	1.14438E-05	0.000813644	0.001171263	0.002537443	0.00188427
2031 Oct	0.00270361	0.090663128	1.17932E-05	4.076628685	12.83308601	0.096757121	0.001901849	162.6360931	0.008875893	0.014390911	0.000564666	0.001274849	0.000465992	0.425673664	8.67742E-06	0.000703269	0.000996877	0.002251771	0.001626569
2031 Nov	0.002623041	0.091201745	1.17026E-05	3.918511391	12.22052193	0.091999926	0.001837021	153.4521942	0.008500503	0.014250843	0.000539314	0.00121278	0.000444417	0.406594962	8.20618E-06	0.000669626	0.000959787	0.002197672	0.001537315
2031 Dec	0.0026237	0.091251232	1.1708E-05	3.919507742	12.22221947	0.092012525	0.001837887	153.4674988	0.00850175	0.014259038	0.000539341	0.001212882	0.000444451	0.406692028	8.2075E-06	0.000669819	0.00096012	0.002198479	0.00153747
2032 Jan	0.002623507	0.091287233	1.17082E-05	3.919327259	12.22071934	0.092017889	0.001837873	153.4373627	0.008500491	0.014260316	0.000539322	0.001212658	0.000444368	0.406670481	8.20621E-06	0.000669776	0.000960273	0.002198426	0.001537171
2032 Feb	0.002623438	0.091330789	1.1708E-05	3.919359684	12.22026348	0.092036977	0.001837803	153.4191895	0.008499812	0.014260938	0.000539388	0.001212535	0.000444323	0.406673104	8.20538E-06	0.000669717	0.00096051	0.002198396	0.001536984
2032 Mar	0.002625178	0.091416247	1.17159E-05	3.922033072	12.22829628	0.092109673	0.00183901	153.5132751	0.008505204	0.014270938	0.000539789	0.00121329	0.0004446	0.406950027	8.21049E-06	0.000670147	0.000961289	0.002199868	0.001537924

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.002639927	0.091943748	1.17818E-05	3.944108725	12.29695606	0.092633672	0.001849335	154.37146	0.008552849	0.014351415	0.000542846	0.001220079	0.000447088	0.409240365	8.25643E-06	0.000673905	0.000966769	0.002212236	0.00154652
2032 May	0.002712453	0.094881639	1.21132E-05	4.052419186	12.64232826	0.09531232	0.001900016	158.6328735	0.008781814	0.014758863	0.00055926	0.001252754	0.000459139	0.420417666	8.47378E-06	0.000692039	0.000995542	0.00227505	0.001587179
2032 Jun	0.002539222	0.091312096	1.1757E-05	4.121284962	12.97751522	0.104065865	0.001931781	169.8941193	0.008528713	0.015494459	0.000571561	0.001268572	0.000444332	0.447909504	1.07194E-05	0.000731413	0.001135357	0.002583488	0.001610075
2032 Jul	0.002081231	0.07772813	1.14603E-05	3.585731745	10.39128304	0.086795747	0.001503075	133.5624084	0.007135863	0.013613679	0.000421115	0.001081271	0.000368403	0.382303625	9.97918E-06	0.000628193	0.000959043	0.002416136	0.001439398
2032 Aug	0.002219511	0.077684209	1.20756E-05	3.583399773	11.63137341	0.085185289	0.001454296	148.4409027	0.007558706	0.01282842	0.000438304	0.001151472	0.000401298	0.369004965	9.01715E-06	0.00061744	0.000910697	0.002443195	0.001513042
2032 Sep	0.002187402	0.077666916	1.21585E-05	3.42021203	11.79615879	0.079386443	0.001406379	149.1580963	0.007255487	0.012195461	0.00041793	0.001102225	0.000392924	0.341548741	7.91519E-06	0.000582946	0.000839143	0.002349799	0.001445557
2032 Oct	0.002078337	0.079352334	1.20106E-05	3.2104165555	10.94380569	0.073205344	0.001326869	136.4016418	0.006701426	0.01201488	0.000384969	0.001009283	0.000362545	0.315751404	7.24542E-06	0.000537828	0.000786226	0.00224819	0.001321001
2032 Nov	0.002040524	0.080063187	1.19304E-05	3.130228758	10.61080837	0.070752025	0.001306041	131.5139465	0.006498856	0.012012311	0.000373088	0.000973224	0.0003505	0.30654785	6.9896E-06	0.000521042	0.000767612	0.002210143	0.001267974
2032 Dec	0.001985188	0.080147244	1.17499E-05	3.023585796	10.16872692	0.067687526	0.001274	125.1975174	0.006241328	0.011913482	0.000358035	0.00092866	0.0003353	0.29475832	6.67171E-06	0.000499753	0.000742959	0.002153452	0.001203643
2033 Jan	0.001985309	0.080249414	1.17479E-05	3.02146697	10.14994431	0.067628853	0.00127286	124.8515091	0.006239956	0.011912578	0.000358182	0.000927902	0.000335072	0.294469833	6.65532E-06	0.000498938	0.000742606	0.002152057	0.001201581
2033 Feb	0.001985332	0.080440953	1.1747E-05	3.017506123	10.11784458	0.067512728	0.001270548	124.2636414	0.006235644	0.011912761	0.000358279	0.000926332	0.000334617	0.293916047	6.62865E-06	0.000497428	0.000741716	0.002149684	0.001197823
2033 Mar	0.001976305	0.08098159	1.17524E-05	2.99881196	10.02544022	0.066932149	0.0012637	122.8330231	0.006175999	0.011938846	0.000354687	0.000915579	0.000331215	0.291584015	6.57813E-06	0.000492734	0.000736601	0.002140321	0.001183398
2033 Apr	0.002001241	0.082022563	1.19005E-05	3.036706448	10.15181446	0.067786254	0.001279647	124.3761368	0.006253741	0.012089845	0.000359201	0.000927091	0.00033538	0.295270175	6.66082E-06	0.000498942	0.00074601	0.002167304	0.001198264
2033 May	0.001944434	0.107806526	1.18113E-05	2.999051571	9.472958565	0.076774292	0.001223406	108.1623611	0.005794312	0.012563953	0.000467442	0.000847743	0.000310216	0.290522665	5.95125E-06	0.000461477	0.000889782	0.002187506	0.001043854
2033 Jun	0.002061917	0.132976741	1.12082E-05	3.493904352	10.85643482	0.108475432	0.001342404	121.828392	0.006240613	0.01393721	0.000672806	0.000915257	0.000340856	0.368134975	8.62423E-06	0.000528246	0.001164999	0.002279899	0.001163042
2033 Jul	0.002312443	0.135534689	1.22976E-05	3.93080759	12.25463486	0.119371027	0.001443913	138.6556091	0.00727981	0.014428449	0.000720177	0.001083131	0.000401074	0.410302311	9.65564E-06	0.000606525	0.001244787	0.002471196	0.001430544
2033 Aug	0.002655035	0.144257829	1.38122E-05	4.470193386	14.07721996	0.132293403	0.001647551	159.9094391	0.008518476	0.015564272	0.000792727	0.001271614	0.000470599	0.461505622	1.05213E-05	0.000704249	0.001362486	0.002730576	0.001705708
2033 Sep	0.002751094	0.109762415	1.34313E-05	4.295027256	14.56155872	0.113603041	0.001799415	168.8843231	0.008997909	0.0140402	0.000640168	0.001329582	0.00049649	0.434928596	9.19384E-06	0.000722023	0.001134882	0.002460165	0.001856795
2033 Oct	0.00196075	0.090499647	1.0815E-05	2.7739567776	8.861615181	0.06336242	0.001330902	97.82796478	0.005634702	0.012237155	0.000355998	0.000774242	0.000296746	0.269368887	5.40134E-06	0.000443077	0.000705078	0.001768798	0.001024645
2033 Nov	0.0017814	0.091138124	1.05772E-05	2.449093819	7.297143936	0.05239277	0.001195106	76.16119385	0.004806264	0.012103964	0.000295503	0.000633121	0.0002468	0.23120819	4.52771E-06	0.000372665	0.000615608	0.001642074	0.000813989
2033 Dec	0.001782583	0.091213696	1.05857E-05	2.450808287	7.301009178	0.052421246	0.001196293	76.19891357	0.004808962	0.012115506	0.000295622	0.000633417	0.000246909	0.231372491	4.53041E-06	0.000372963	0.000616116	0.001643352	0.000814392
2034 Jan	0.001782619	0.09124846	1.05863E-05	2.451007843	7.300820351	0.052435949	0.001196441	76.18929291	0.004808698	0.01211735	0.000295664	0.000633348	0.00024688	0.231395483	4.53012E-06	0.00037298	0.000616344	0.001643451	0.000814289
2034 Feb	0.001782799	0.091295049	1.0587E-05	2.45141387	7.301596165	0.052462641	0.001196549	76.18856812	0.004808921	0.012119083	0.000295779	0.00063336	0.000246884	0.231438309	4.53018E-06	0.000373008	0.000616653	0.001643617	0.000814274
2034 Mar	0.001784181	0.091386244	1.05951E-05	2.4534015666	7.307281017	0.052515004	0.00119747	76.24308014	0.004812508	0.012128761	0.000296055	0.000633822	0.000247064	0.231628463	4.53347E-06	0.000373292	0.000617265	0.001644892	0.000814853
2034 Apr	0.001802723	0.092347704	1.07051E-05	2.478948116	7.383232594	0.053067479	0.001209911	77.03278351	0.00486244	0.012254967	0.000299158	0.000640393	0.000249625	0.234041736	4.58046E-06	0.000377168	0.000623758	0.001661986	0.00082329
2034 May	0.001835353	0.103758417	1.10513E-05	2.559414864	7.467269421	0.058300734	0.001229987	75.71911621	0.004867199	0.012804785	0.000345796	0.000638813	0.000249822	0.241670534	4.57368E-06	0.000380733	0.000698306	0.001741617	0.000805793
2034 Jun	0.002145281	0.134584829	1.15744E-05	3.577511072	11.13319588	0.108644053	0.001484202	121.5570526	0.006297962	0.01505121	0.00064047	0.000896267	0.000340791	0.382255673	9.24998E-06	0.000548634	0.001149809	0.00222239	0.001204907
2034 Jul	0.002459292	0.12976113	1.25708E-05	4.039801121	13.40049267	0.118976161	0.001588698	150.7760468	0.007719307	0.014862011	0.000695748	0.001142269	0.000426366	0.424372286	1.00397E-05	0.000642215	0.001215657	0.002460979	0.001549695
2034 Aug	0.00282004	0.138197094	1.41098E-05	4.565135479	15.21968937	0.131582409	0.001775461	170.6587677	0.009049753	0.015894407	0.000772324	0.001342185	0.00049962	0.473727852	1.0765E-05	0.000732517	0.001331305	0.002728482	0.001825981
2034 Sep	0.003061296	0.109309457	1.37109E-05	4.571787357	17.80370522	0.121913366	0.002004605	210.046524	0.010000618	0.014464598	0.000704063	0.001501587	0.000563624	0.46624282	9.65204E-06	0.000788438	0.001192297	0.002596086	0.002065391
2034 Oct	0.002549629	0.09010499	1.1799E-05	3.535333872	14.01068592	0.085558124	0.001715986	164.4750214	0.007873324	0.012880201	0.000495256	0.001147462	0.00043669	0.351595879	6.83435E-06	0.000607101	0.000871896	0.00208665	0.001536462
2034 Nov	0.002431305	0.090785243	1.16349E-05	3.342916965	12.92185497	0.079342455	0.001630106	149.5817719	0.007363404	0.012801183	0.000461072	0.001060182	0.000404925	0.329522997	6.34184E-06	0.000564697	0.000824804	0.00201364	0.001406388
2034 Dec	0.002433029	0.090869889	1.1645E-05	3.345340967	12.92978287	0.079390973	0.001631628	149.6716003	0.007367976	0.012814161	0.000461317	0.00106078	0.000405149	0.329760849	6.34593E-06	0.00056513	0.00082548	0.00201587	0.001407191
2035 Jan	0.002432949	0.090900913	1.16451E-05	3.345335484	12.92904568	0.079399548	0.001631694	149.6572266	0.007367264	0.01281557	0.000461331	0.001060646	0.000405097	0.329761595	6.34522E-06	0.00056511	0.000825649	0.00201531	0.00140699
2035 Feb	0.002433241	0.090949923	1.16466E-05	3.345881462	12.93035316	0.079427943	0.00163188	149.6631622	0.007367817	0.012817983	0.000461459	0.001060704	0.000405119	0.329817444	6.34559E-06	0.000565163	0.000825977	0.002015578	0.001407036
2035 Mar	0.002434511	0.0910182	1.16527E-05	3.347706556	12.93693733	0.079479657	0.001632725	149.7342224	0.007371148	0.012825153	0.000461739	0.001061219	0.000405316	0.329998463	6.3487E-06	0.000565449	0.000826533	0.002016643	0.001407704
2035 Apr	0.002456273	0.091843791	1.17568E-05	3.377678156	13.05249119	0.080196045	0.001647317	151.0687103	0.007437272	0.012940077	0.000465889	0.001070684	0.000408931	0.332953513	6.40533E-06	0.000570499	0.000833993	0.002034678	0.001420249
2035 May	0.002532319	0.098390512	1.22169E-05	3.492098093	13.39325237	0.083870679	0.001696376	154.1183167	0.007625048	0.013504517	0.000492426	0.001095954	0.00041902	0.343886405	6.56759E-06	0.000585665	0.000879486	0.002116573	0.001448092
2035 Jun	0.002166233	0.112436488	1.156E-05	3.48847127	12.19961929	0.099221416	0.001548055	139.492157	0.00662278	0.01427732	0.000557231	0.000982088	0.000360494	0.371218145	8.88815E-06	0.000573227	0.001078065	0.002303981	0.001319065
2035 Jul	0.002086421	0.110008284	1.22966E-05	3.501618862	11.41327763	0.096568204	0.001392251	126.6857986	0.006523453	0.013976743	0.000515245	0.000988013	0.000354498	0.364004433	9.09506E-06	0.000567088	0.001056529	0.002415062	0.001352034
2035 Aug	0.002296165	0.104599155	1.34746E-05	3.762070656	13.42172909	0.09889482	0.001502981	150.7687225	0.007306265	0.013759203	0.000504525	0.001118218	0.000408063	0.381663114	9.14485E-06	0.000625864	0.001031822	0.002505629	0.001595004
2035 Sep	0.002963632	0.082118332	1.29672E-05	4.160816669	22.33333206	0.106924452	0.00204296	280.2909241	0.009415237	0.013054641	0.000586536	0.001481646	0.000565965	0.42641142	9.0344E-06	0.000766738	0.00098178	0.002513267	0.002047602
2035 Oct	0.002790593	0.083324291	1.18721E-05	3.626654625	19.8043766	0.090673216	0.001867292	246.4541779	0.008552691	0.012642213	0.000545755	0.001312638	0.000504569	0.366724491	7.04834E-06	0.000648115	0.000873365	0.002279963	0.001697037
2035 Nov	0.002333084	0.083239496	1.10342E-05	3.004502773	15.11083889	0.070955858	0.001566208	182.9359283	0.006794505	0.01209012	0.000425889	0.001008203	0.000390789	0.296445787	5.58965E-06	0.000514823	0.000727711	0.001976116	0.0012816
2035 Dec	0.002329755	0.083355539	1.10384E-05	2.99977088	15.06566334	0.070769496	0.001564078	182.2992554	0.00677821	0.01209981	0.000424686	0.001005168	0.000389691	0.295848012	5.57764E-06	0.000513633	0.000726532	0.001974454	0.001277458
2036 Jan	0.002326907	0.0834805	1.10338E-05	2.993775129	14.97794056	0.070532702	0.00155887	180.9117737	0.006768591	0.012095987	0.000424025	0.001002405	0.000388607	0.295042366	5.54818E-06	0.000511509	0.000725031	0.001970956	0.001271911
2036 Feb	0.002326825	0.08352118	1.10337E-05	2.99375701	14.97454929	0.070543721	0.001558702	180.8505859	0.006768042	0.012096773	0.000424075	0.001002256	0.000388548	0.29503575	5.54692E-06	0.000511432	0.000725211	0.001970869	0.001271629
2036 Mar	0.002326891	0.083543718	1.1034E-05	2.993934631	14.97465897	0.07055597	0.001558747	180.8467102	0.006768083	0.012097613	0.000424126	0.001002249	0.000388545	0.295054555	5.54691E-06	0.000511442	0.000725358	0.001970938	0.001271607
2036 Apr	0.002351528	0.084566668	1.11501E-05	3.026183367	15.13224316	0.071377262	0.001575271	182.7211456	0.006838658	0.012228147	0.000428925	0.00101265	0.000392572	0.298245966	5.60391E-06	0.000516819	0.000733944	0.001991843	0.001284661
2036 May	0.002451976	0.088783562	1.16306E-05	3.158061504	15.76950073	0.074711353	0.001642768	190.2810059	0.007125902	0.012768504	0.000449044	0.001054938	0.000408965	0.311259955	5.83731E-06	0.000538787	0.000769208	0.002078469	0.00133761
2036 Jun	0.002499634	0.090165325	1.19407E-05	4.027832985	17.7449894	0.095966317	0.00191275	222.7932587	0.007763775	0.01412701	0.000697387	0.001191015	0.000448585	0.3812024	8.89044E-06	0.000804751	0.000984548	0.002460722	0.001595811
2036 Jul	0.002293899	0.087038718	1.21811E-05	4.616615295	15.77864075	0.09114451	0.001865387	197.699646	0.007365941	0.014097461	0.000965641	0.001107797	0.000419295	0.358234078	9.11589E-06	0.001045212	0.000938307	0.002520338	0.001525603
2036 Aug	0.002459323	0.094029434	1.33314E-05	5.584704876	16.70514679	0.09697593	0.002099682	209.499115	0.007988462	0.015257503	0.001299468	0.001169854	0.000454059	0.375715882	9.57653E-06	0.001352429	0.000977793	0.002708354	0.001641562
2036 Sep	0.002726483	0.086379066	1.3811E-05	7.293960571	19.2230854	0.106321789	0.002609183	245.1520386	0.009202478	0.015416551	0.001888275	0.001291169	0.000533791	0.404689431	1.00026E-05	0.001942466	0.000953774	0.002637051	0.001989374
2036 Oct	0.002722127	0.081502385	1.30668E-05	8.060276031	19.1299572	0.10035415	0.002868773	247.5419464	0.009101278	0.015195184	0.002235555	0.001218775	0.000531873	0.379377455	8.80477E-06	0.002267896	0.000861944	0.002376692	0.001947534
2036 Nov	0.002547731	0.082122214	1.26589E-05	7.578937531	17.47872353	0.091688551	0.002701378	225.0554047	0.008348095	0.01485884	0.002104335	0.001099732	0.000485057	0.348706752	8.03523E-06	0.002131356	0.000802522	0.002253151	0.001757264
2036 Dec	0.002484127	0.082253888	1.25047E-05	7.400936127	16.88454819	0.088601448	0.002638838	216.9592743	0.008077361	0.014721895	0.002055473	0.001057422	0.000468288	0.337702602	7.7627E-06	0.002080538	0.000781189	0.002208358	0.001689494
2037 Jan	0.002484076	0.082306221	1.25053E-05	7.400064945	16.88226509	0.088614568	0.002638748	216.9155579	0.008076406	0.014724248	0.002055098	0.001057253	0.000468203	0.337718368	7.76166E-06	0.002080151	0.00078149	0.002208421	0.001689176
2037 Feb	0.002484631	0.082381904	1.25081E-05	7.401300907	16.88502121	0.088660754	0.002639177	216.9351654	0.00807765	0.014728611	0.002055409	0.001057393	0.00046826	0.337818712	7.76263E-06	0.002080356	0.000782013	0.002208931	0.001689337
2037 Mar	0.002490659	0.08261317	1.25384E-05	7.41903019	16.92543221	0.088890314	0.002645493	217.445694	0.008096941	0.014764934	0.002060315	0.001059905	0.00046937	0.338651985	7.78105E-06	0.002085261	0.000784101	0.0022143	0.001693317
2037 Apr	0.00250755	0.083191425	1.26234E-05	7.469212532	17.0398941	0.089501426	0.002663384	218.9112701	0.008151677	0.014865401	0.002074241	0.001067063	0.000472538	0.34095645	7.83358E-06	0.002099321	0.000789528	0.002229322	0.001704733
2037 May	0.002299697	0.109167896	1.22619E-05	6.691693306	14.80817699	0.092952468	0.002351509	181.8729401	0.007115469	0.014790874	0.00191724	0.000919976	0.000410213	0.318886071	6.76517E-06	0.001808203	0.000907533	0.002195477	0.001413089
2037 Jun	0.002170986	0.130017355	1.16476E-05	5.725479126	13.17332745	0.116735131	0.001975014	158.1248474	0.006738182	0.016216405	0.00137363	0.000912245	0.000380398	0.411874056	1.12038E-05	0.001223102	0.001115519	0.002246927	0.001363495
2037 Jul	0.002481605	0.134542137	1.31657E-05	6.142389297	14.69959641	0.131576657	0.002078774	177.6130981	0.008169233	0.017096084	0.001393638	0.001118407	0.000454263	0.471324503	1.28442E-05	0.001262144	0.001226688	0.002491305	0.001708304
2037 Aug	0.002835395	0.134200051	1.47737E-05	6.782815933	16.65019226	0.144731253	0.002346032	204.3335571	0.009686291	0.018481901	0.001376685	0.001336644	0.00053544	0.547398746	1.49541E-05	0.001329443	0.001303276	0.00269438	0.002095839
2037 Sep	0.002900505	0.12588276	1.52784E-05	6.524565697	16.66379929	0.140333369	0.002336379	204.050293	0.009965335	0.01833149	0.001156076	0.001384418	0.000549316	0.556024492	1.50916E-05	0.001198446	0.001244545	0.002663899	0.002193369
2037 Oct	0.002423707	0.111928254	1.37735E-05	4.967226028	12.81431961	0.105690643	0.001887938	152.2374115	0.007876277	0.016149873	0.000767169	0.001073971	0.000426687	0.436653972	1.15059E-05	0.000851498	0.000980786	0.002249333	0.001684684
2037 Nov	0.002324471	0.111362278	1.34994E-05	4.687026024	12.00110054	0.099023901	0.001802021	141.326416	0.00740893	0.015845103	0.000718004	0.001001346	0.00039902	0.410792202	1.07219E-05	0.000797295	0.000936352	0.002181889	0.001558806
2037 Dec	0.002326896	0.111488864	1.35143E-05	4.69139576	12.01305389	0.099110141	0.001804241	141.4651184	0.00741579	0.015864225	0.000718579	0.001002245	0.000399369	0.411188602	1.07307E-05	0.000798073	0.000937373	0.0021843	0.001560142
2038 Jan	0.002326904	0.111522712	1.35147E-05	4.691289425	12.01235867	0.099118404	0.001804327	141.4476929	0.007415256	0.015865812	0.000718558	0.001002138	0.000399323	0.411188304	1.07295E-05	0.000798029	0.000937565	0.002184363	0.001559942
2038 Feb	0.002327012	0.111565627	1.35151E-05	4.691478252	12.01264763	0.099140272	0.001804369	141.4407806	0.007415203	0.015867049	0.000718634	0.001002111	0.000399312	0.4112131	1.0729E-05	0.000798018	0.000937835	0.00218446	0.001559858
2038 Mar	0.002328083	0.111637577	1.35212E-05	4.693622112	12.01803017	0.099195324	0.001805177	141.4985352	0.007418399	0.015874624	0.000718988	0.001002533	0.000399479	0.411405504	1.07334E-05	0.000798359	0.00093839	0.002185463	0.00156049
2038 Apr	0.002342362	0.112334073	1.3604E-05	4.722401142	12.09165668	0.09980911	0.001816236	142.3621979	0.007463775	0.015972143	0.000723411	0.001008659	0.00040192	0.413930565	1.07989E-05	0.000803241	0.000944216	0.002198866	0.001570012
2038 May	0.002334847	0.123404987	1.37377E-05	4.680490971	11.87792301	0.103102654	0.001795241	136.8694611	0.007303838	0.016269436	0.000754717	0.000984084	0.000392697	0.411638886	1.04374E-05	0.000783005	0.001008779	0.002247894	0.001506586
2038 Jun	0.002083849	0.143675148	1.24827E-05	4.336967945	10.72432899	0.119741358	0.001535564	117.838707	0.006311739	0.017017446	0.000718958	0.00085978	0.00033972	0.440384358	1.29112E-05	0.000597153	0.001158403	0.002251111	0.001291793
2038 Jul	0.002306557	0.158355474	1.41039E-05	4.635867596	11.69644451	0.133169204	0.001571917	127.6967697	0.007143536	0.018285485	0.000763027	0.000977377	0.000383273	0.481576651	1.41971E-05	0.000608104	0.001281779	0.002515629	0.001485313
2038 Aug	0.002672417	0.157962263	1.59402E-05	5.441206932	13.8647337	0.147530168	0.001914182	158.6995544	0.008656779	0.020409675	0.000771207	0.001184717	0.00046417	0.570268989	1.71982E-05	0.000711753	0.00135056	0.002751492	0.001881573
2038 Sep	0.002672674	0.137965828	1.56759E-05	5.280457497	13.98144817	0.136178195	0.001949845	162.3921661	0.008772205	0.019497998	0.000656445	0.001198934	0.000471739	0.554220736	1.66535E-05	0.000693124	0.001208907	0.00259541	0.001942735
2038 Oct	0.002441986	0.123922773	1.46275E-05	4.580296516	12.36888409	0.113728024	0.001779324	141.2685242	0.007751259	0.017882373	0.000528531	0.001045789	0.000414637	0.476739615	1.40348E-05	0.000602877	0.001027069	0.002331801	0.001687493
2038 Nov	0.002426754	0.124190934	1.4613E-05	4.534053326	12.22114563	0.112259343	0.00176828	139.237793	0.007660535	0.017860359	0.000522424	0.001031202	0.000409232	0.471097648	1.38298E-05	0.000596424	0.00101912	0.00232375	0.00166073
2038 Dec	0.002427385	0.12423797	1.46182E-05	4.534740448	12.22315311	0.112261303	0.001769271	139.2542572	0.007661337	0.017868573	0.000522413	0.001031254	0.000409241	0.471161723	1.38292E-05	0.000596614	0.001019438	0.002324503	0.001660739
2039 Jan	0.00242733	0.124270387	1.46179E-05	4.534510612	12.22241497	0.11226543	0.001769344	139.235321	0.00766051	0.01786934	0.000522423	0.001031114	0.000409182	0.471135288	1.38266E-05	0.000596592	0.001019618	0.002324489	0.001660449
2039 Feb	0.002427366	0.124314018	1.46176E-05	4.534564018	12.22252369	0.112285636	0.001769336	139.2246246	0.007660164	0.017869808	0.000522515	0.001031051	0.000409156	0.471140206	1.38251E-05	0.000596576	0.001019888	0.002324503	0.001660284

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.00243148	0.124547526	1.46421E-05	4.542241573	12.24319267	0.112486064	0.001772316	139.453537	0.007672894	0.017900208	0.000523446	0.001032756	0.000409831	0.471937567	1.38477E-05	0.000597573	0.001021755	0.002328431	0.001662993
2039 Apr	0.00244718	0.125365227	1.47365E-05	4.571576118	12.32216835	0.113218337	0.001783749	140.349472	0.007722297	0.018015914	0.000526852	0.001039398	0.000412467	0.474985093	1.39366E-05	0.000601424	0.001028434	0.002343462	0.001673672
2039 May	0.002521299	0.129904151	1.52003E-05	4.707856655	12.68099689	0.116766252	0.001836326	144.2295837	0.007943409	0.018585306	0.00054491	0.001068791	0.000424274	0.488943249	1.43275E-05	0.000618749	0.001062695	0.002417553	0.001719512
2039 Jun	0.00233595	0.100244768	1.35177E-05	4.461673737	13.02722263	0.109556176	0.001826126	149.3405304	0.00779118	0.017633568	0.000476526	0.001124306	0.000415499	0.484886199	1.51745E-05	0.00063681	0.001038427	0.002566983	0.001684279
2039 Jul	0.002040712	0.082740404	1.28196E-05	4.014494896	11.01601028	0.095040232	0.001561943	128.0410004	0.007050759	0.016165709	0.000356047	0.001018958	0.00036699	0.442023456	1.4721E-05	0.000562633	0.000888724	0.002413051	0.001568422
2039 Aug	0.002021875	0.082397379	1.32769E-05	3.783910275	10.18832493	0.086498193	0.001445762	118.0183792	0.006908482	0.015389547	0.00031213	0.000966318	0.0003558	0.41193381	1.34919E-05	0.00051899	0.000767579	0.002256646	0.001538504
2039 Sep	0.001828688	0.084023602	1.27877E-05	3.258553743	8.708535194	0.071329795	0.001242064	97.69436646	0.005869686	0.014169997	0.000268293	0.000809125	0.000303328	0.342010975	1.09779E-05	0.000430212	0.000649268	0.002073731	0.001257274
2039 Oct	0.001780993	0.084226005	1.24275E-05	3.113603115	8.32558918	0.066702947	0.001225946	91.81326294	0.005544564	0.013914789	0.000252927	0.000752778	0.000286536	0.322623909	1.01398E-05	0.000409365	0.00061572	0.001965584	0.001167414
2039 Nov	0.001789214	0.084816881	1.24938E-05	3.124395609	8.354979515	0.066878855	0.001232118	92.0676651	0.005561194	0.013992859	0.000253823	0.000754638	0.000287323	0.323577285	1.01596E-05	0.000410822	0.000618434	0.001975028	0.001169548
2039 Dec	0.001791097	0.08491537	1.2507E-05	3.127495766	8.363397598	0.066940181	0.001233706	92.15634155	0.005566468	0.014009112	0.000254055	0.000755325	0.000287581	0.323895007	1.01681E-05	0.000411281	0.000619152	0.001977123	0.00117058
2040 Jan	0.001791089	0.084938638	1.25066E-05	3.127428293	8.363306046	0.066947266	0.001233791	92.14815521	0.005566035	0.014009546	0.000254097	0.000755249	0.000287551	0.323886812	1.01665E-05	0.000411279	0.000619307	0.001977082	0.001170421
2040 Feb	0.001791292	0.084975906	1.25073E-05	3.127785444	8.364437103	0.066969104	0.001233919	92.15241241	0.005566373	0.014011018	0.000254202	0.000755289	0.000287565	0.323923767	1.01665E-05	0.000411313	0.000619562	0.001977248	0.001170435
2040 Mar	0.001794676	0.085151277	1.25305E-05	3.133691549	8.380349159	0.067103289	0.001236244	92.32320404	0.005576726	0.014037399	0.000254724	0.00075669	0.000288099	0.324535459	1.0185E-05	0.000412083	0.000620832	0.00198095	0.001172581
2040 Apr	0.001806369	0.085714005	1.26119E-05	3.154099703	8.435079575	0.067544743	0.001244295	92.92340851	0.00561297	0.014128746	0.000256408	0.000761608	0.000289971	0.32664907	1.0251E-05	0.000414763	0.000624932	0.001993834	0.001180184
2040 May	0.001839518	0.094397783	1.28868E-05	3.210719347	8.509945869	0.071185283	0.001264255	92.0714035	0.005629957	0.014549375	0.000291546	0.00076166	0.000290737	0.331417829	1.01563E-05	0.000418698	0.000680283	0.002053537	0.001165231
2040 Jun	0.001642374	0.129250973	1.17202E-05	3.384893417	7.51434803	0.092913456	0.001196224	74.94488525	0.004764189	0.015374957	0.000480369	0.000642826	0.000245089	0.354309261	1.06323E-05	0.000403582	0.000971092	0.002081735	0.000942959
2040 Jul	0.001717715	0.134753093	1.25964E-05	3.425352573	7.801439285	0.0953786	0.001131081	79.21837616	0.005182958	0.015067874	0.000503603	0.00070941	0.000268739	0.351617604	1.00436E-05	0.000393786	0.001015481	0.002205307	0.001037563
2040 Aug	0.002019364	0.131750748	1.37233E-05	4.025493145	9.885629654	0.105663732	0.001381961	107.8601303	0.006541261	0.016223447	0.000529918	0.000895587	0.000343123	0.417342156	1.19942E-05	0.000485469	0.001046554	0.002354996	0.001354322
2040 Sep	0.002151004	0.116247572	1.37693E-05	4.228932381	11.06841469	0.104901388	0.001535712	125.1730499	0.007266163	0.016153371	0.000494022	0.000983421	0.000383641	0.443046719	1.28131E-05	0.000533548	0.000965661	0.002297499	0.001518501
2040 Oct	0.001987122	0.114768259	1.31986E-05	3.766435385	9.805780411	0.092104167	0.001397591	108.3727798	0.006418114	0.015395028	0.000445878	0.000855668	0.000336837	0.388762742	1.10072E-05	0.000471319	0.000879723	0.002167909	0.001287803
2040 Nov	0.001985792	0.11525321	1.32371E-05	3.749594927	9.75206089	0.091423631	0.001397409	107.538681	0.006381762	0.015442017	0.000442829	0.000848984	0.000334561	0.386448205	1.09169E-05	0.000469212	0.000876585	0.002168294	0.001275791
2040 Dec	0.001986894	0.115317903	1.32444E-05	3.751339674	9.75732708	0.091459088	0.001398485	107.5895233	0.006384624	0.015451827	0.000442996	0.00084935	0.000334699	0.386625618	1.09206E-05	0.000469495	0.000877078	0.002169498	0.001276296
2041 Jan	0.001987197	0.115355119	1.3246E-05	3.751777887	9.758808136	0.091477141	0.001398788	107.5968704	0.006385122	0.015454569	0.000443079	0.000849406	0.000334718	0.386670053	1.09206E-05	0.000469564	0.000877338	0.00216979	0.001276333
2041 Feb	0.001987582	0.115403868	1.3248E-05	3.75248003	9.760749817	0.091507494	0.001399043	107.6096039	0.006386029	0.01545753	0.000443221	0.000849519	0.000334761	0.386742532	1.09215E-05	0.00046964	0.000877676	0.002170158	0.001276459
2041 Mar	0.001990583	0.115592234	1.32677E-05	3.758126497	9.775549889	0.09165246	0.001401147	107.7678452	0.006395488	0.015480812	0.000443922	0.000850774	0.000335255	0.387324572	1.09374E-05	0.000470341	0.000879092	0.002173403	0.001278321
2041 Apr	0.002000344	0.116166711	1.33325E-05	3.776535273	9.823581696	0.092105672	0.001408013	108.29422	0.006426743	0.015556633	0.000446117	0.000854932	0.000336893	0.389222026	1.09906E-05	0.000472642	0.000883453	0.00218404	0.001284551
2041 May	0.002041879	0.12006335	1.36052E-05	3.847008467	10.03148556	0.094408303	0.001435294	109.9504089	0.006531814	0.015893104	0.000461976	0.000869322	0.000342758	0.396201462	1.11287E-05	0.00048088	0.000910208	0.00223325	0.001301275
2041 Jun	0.001936037	0.099117547	1.28089E-05	3.910952806	10.26044846	0.093143187	0.001446025	113.3254623	0.006509696	0.016162103	0.000402512	0.000915359	0.00033944	0.419074833	1.32982E-05	0.000528541	0.000895342	0.002378112	0.001342019
2041 Jul	0.001681479	0.083114766	1.29643E-05	3.857814312	8.396391869	0.079024553	0.001279513	96.76356506	0.005910835	0.014535371	0.000272879	0.000861757	0.000307673	0.382503331	1.20372E-05	0.000544274	0.000788884	0.0022828	0.001360274
2041 Aug	0.001721817	0.08579383	1.37447E-05	3.829658031	8.512961388	0.076053537	0.001238582	96.02015686	0.006015338	0.014385293	0.000267283	0.000884928	0.000315994	0.369700015	1.12627E-05	0.000546302	0.000776085	0.002384029	0.001369576
2041 Sep	0.001953978	0.083275102	1.41531E-05	4.342652798	10.3110323	0.086182825	0.001451279	116.5018234	0.007019814	0.015130391	0.000304006	0.001013827	0.000375265	0.426689386	1.28946E-05	0.000633463	0.000788689	0.002393984	0.001604057
2041 Oct	0.001980568	0.082825392	1.38911E-05	4.310691357	10.38795853	0.084558733	0.001496207	116.3263474	0.006969649	0.015233132	0.000294825	0.000986669	0.000372567	0.424653053	1.27394E-05	0.000628967	0.000751993	0.002269648	0.001582754
2041 Nov	0.001983218	0.0837171	1.39453E-05	4.298135281	10.35212994	0.084120378	0.00150055	115.6491699	0.006940209	0.015321317	0.000293325	0.000980517	0.000370525	0.423038036	1.26646E-05	0.000626991	0.000752016	0.002272732	0.001571622
2041 Dec	0.001985408	0.083816782	1.39596E-05	4.302136898	10.36400032	0.084197082	0.001502506	115.7659073	0.00694684	0.015338779	0.000293632	0.00098145	0.000370872	0.423435569	1.26745E-05	0.00062764	0.000752884	0.002275141	0.001573
2042 Jan	0.001986003	0.083871715	1.39632E-05	4.303162098	10.36689949	0.084228747	0.001503035	115.7873535	0.006948262	0.015343908	0.00029377	0.000981629	0.000370939	0.423538804	1.2676E-05	0.000627789	0.000753281	0.002275759	0.001573227
2042 Feb	0.001986176	0.083913706	1.39637E-05	4.303433418	10.36772633	0.084251463	0.001503131	115.7864838	0.006948409	0.015345259	0.000293881	0.000981635	0.000370941	0.423567921	1.26756E-05	0.000627804	0.000753556	0.002275885	0.001573185
2042 Mar	0.001988417	0.084026791	1.3979E-05	4.308213234	10.37947845	0.084354751	0.001504809	115.9114761	0.006955991	0.015362477	0.000294261	0.000982701	0.000371344	0.42403996	1.2689E-05	0.000628489	0.000754518	0.002278406	0.001574859
2042 Apr	0.002012173	0.08503665	1.41449E-05	4.359476566	10.50430965	0.085365832	0.001522773	117.2957916	0.007038884	0.015545093	0.000297822	0.000994433	0.000375777	0.429088414	1.28393E-05	0.000635971	0.000763583	0.002305538	0.001593594
2042 May	0.002075626	0.093170352	1.46342E-05	4.466898918	10.7416296	0.089254931	0.001559934	118.5937347	0.007167873	0.016152196	0.000327326	0.001010006	0.000382645	0.43900615	1.29878E-05	0.000646835	0.000813384	0.002390496	0.001606801
2042 Jun	0.001774104	0.092673801	1.29474E-05	3.819803476	9.200669289	0.083254226	0.00129959	96.76219177	0.005950963	0.015280223	0.000334263	0.000860994	0.000313141	0.389571279	1.20994E-05	0.000581966	0.000820485	0.002369154	0.001270459
2042 Jul	0.001467654	0.086158976	1.21612E-05	3.272476912	7.259405136	0.066959858	0.001021159	73.36011505	0.00474049	0.01349689	0.000266979	0.000716125	0.000250604	0.317854911	9.83867E-06	0.000530782	0.000711419	0.002253966	0.00101272
2042 Aug	0.001583635	0.075915888	1.17239E-05	3.386667252	8.284270287	0.067677371	0.001142517	80.82367706	0.005147615	0.012989328	0.000264458	0.000719513	0.000279292	0.337873191	1.03051E-05	0.000575056	0.000560045	0.001953671	0.001079068
2042 Sep	0.001596943	0.073038094	1.14567E-05	3.309705734	8.363648415	0.064925604	0.001185466	79.34414673	0.005097298	0.012716324	0.000252154	0.000684923	0.000278507	0.329822838	9.815E-06	0.000562611	0.000501714	0.001809818	0.001038932
2042 Oct	0.001561416	0.075494461	1.1094E-05	3.075657368	7.869289398	0.059738602	0.001154154	72.97307587	0.004767855	0.012704832	0.000236764	0.000627417	0.000257279	0.305707246	8.94526E-06	0.000517973	0.00048633	0.001724437	0.000938094
2042 Nov	0.001570401	0.076322317	1.11758E-05	3.082341194	7.889198303	0.059767343	0.001161298	73.01383209	0.004777151	0.012803462	0.000237146	0.000627647	0.00025756	0.306091547	8.93861E-06	0.000518486	0.000488904	0.001734418	0.000937246
2042 Dec	0.001571839	0.076393381	1.1185E-05	3.084663868	7.896996975	0.059811324	0.001162623	73.07704163	0.004780968	0.012815258	0.000237348	0.000628163	0.000257761	0.306324601	8.94376E-06	0.000518913	0.000489429	0.001735944	0.000937938
2043 Jan	0.001572094	0.076426119	1.11859E-05	3.084954977	7.898541927	0.059827663	0.001162883	73.08322906	0.004781353	0.01281721	0.000237435	0.000628216	0.000257777	0.306355745	8.94331E-06	0.000518952	0.000489676	0.001736163	0.000937958
2043 Feb	0.001572261	0.076462232	1.11865E-05	3.085254192	7.899313927	0.059848089	0.001162981	73.08424377	0.004781588	0.012818537	0.00023753	0.000628237	0.000257784	0.306387007	8.94318E-06	0.000518971	0.000489921	0.001736299	0.000937954
2043 Mar	0.001573123	0.076519802	1.11924E-05	3.086939335	7.903552532	0.059888646	0.001163605	73.12041473	0.00478406	0.012825607	0.000237698	0.000628555	0.000257914	0.306555092	8.94754E-06	0.000519237	0.000490295	0.001737229	0.000938411
2043 Apr	0.001591439	0.077419773	1.13226E-05	3.122878551	7.995527267	0.060590427	0.001177146	73.96955872	0.004839678	0.012974965	0.000240487	0.000635858	0.00026091	0.310124516	9.0514E-06	0.000525272	0.000496064	0.001757444	0.000949305
2043 May	0.00165757	0.085812934	1.18113E-05	3.243687153	8.259623528	0.064993851	0.001222938	75.4793396	0.004985803	0.013614459	0.000273313	0.000654031	0.00026848	0.321842253	9.22728E-06	0.000539989	0.000552476	0.001848228	0.000966155
2043 Jun	0.001526432	0.124763608	1.07998E-05	3.30256629	7.587519646	0.091106258	0.001041578	63.79605103	0.004283946	0.015003312	0.00049103	0.000573945	0.000229237	0.351852357	1.0991E-05	0.000486073	0.000867527	0.002018304	0.000755952
2043 Jul	0.001564991	0.13449128	1.17147E-05	3.468753338	7.736739635	0.09257555	0.000998454	62.92225266	0.004353764	0.015083763	0.000522029	0.000610321	0.000240483	0.349814504	1.04579E-05	0.000517533	0.000907307	0.002178517	0.000777334
2043 Aug	0.001756946	0.130280942	1.25094E-05	3.914083004	9.260194778	0.097396724	0.001190145	76.6146698	0.005151911	0.015787601	0.000529713	0.000722553	0.000289091	0.39279148	1.15785E-05	0.000621198	0.000890037	0.00227131	0.000959115
2043 Sep	0.0018776	0.114107534	1.22469E-05	4.077688217	10.59448814	0.096761197	0.001332149	88.65782166	0.005845103	0.015506998	0.000508182	0.000812349	0.000330095	0.416161597	1.22499E-05	0.000677576	0.000809773	0.002210743	0.001096398
2043 Oct	0.001757847	0.108716577	1.16425E-05	3.493022203	9.346280098	0.081238829	0.001245758	76.06917572	0.005228334	0.014659808	0.000435883	0.000702934	0.000288353	0.354795694	1.00578E-05	0.000569569	0.000722808	0.002035851	0.000915679
2043 Nov	0.001584478	0.105141781	1.12322E-05	2.914903641	7.525181293	0.064017482	0.00113608	59.28314972	0.004323264	0.013946283	0.000341374	0.000549807	0.00023037	0.288280517	7.82141E-06	0.000459558	0.000622989	0.001836151	0.000701989
2043 Dec	0.001585443	0.105212025	1.12401E-05	2.916341066	7.527950287	0.064036123	0.001137344	59.30373383	0.004325118	0.01395797	0.000341419	0.00054997	0.000230423	0.288421363	7.82327E-06	0.000459839	0.000623473	0.001837317	0.000702226
2044 Jan	0.001585772	0.105266444	1.12422E-05	2.916836977	7.528971672	0.064060017	0.001137594	59.30506897	0.004325502	0.013961305	0.000341517	0.000549989	0.000230432	0.288467795	7.82323E-06	0.000459879	0.000623796	0.001837627	0.000702221
2044 Feb	0.001587333	0.105412439	1.12526E-05	2.919672728	7.536287308	0.064144671	0.001138533	59.35385513	0.004329325	0.013974514	0.000341946	0.000550461	0.000230634	0.288745135	7.82964E-06	0.000460255	0.000624637	0.001839321	0.000702771
2044 Mar	0.001590471	0.105644092	1.12745E-05	2.925429821	7.55109787	0.064283222	0.001140686	59.46580887	0.004337646	0.014001886	0.000342672	0.000551509	0.000231077	0.28931272	7.84444E-06	0.000461123	0.000625996	0.001842898	0.000704083
2044 Apr	0.001598225	0.106172159	1.13293E-05	2.939684629	7.587864399	0.064603209	0.001146192	59.75273132	0.004358661	0.014070012	0.000344371	0.000554176	0.000232196	0.290721446	7.88231E-06	0.000463348	0.000629117	0.001851849	0.000707473
2044 May	0.00165363	0.11041218	1.17277E-05	3.040286064	7.844463825	0.067038335	0.001183269	61.6591102	0.004502717	0.01456074	0.000358665	0.000572426	0.000239987	0.300541133	8.13768E-06	0.000478203	0.000653731	0.0019173	0.000729666
2044 Jun	0.001466937	0.103284977	1.02046E-05	2.774175644	7.517390728	0.075410247	0.000870858	59.96600342	0.004097973	0.014614216	0.000387617	0.000555413	0.000216546	0.314720124	1.15343E-05	0.000380446	0.000681019	0.002034142	0.000631078
2044 Jul	0.001349076	0.105083063	1.07081E-05	2.389579535	6.48482132	0.064924926	0.000695107	49.59057236	0.003696905	0.013772231	0.000359603	0.000530134	0.000192877	0.260307908	9.43908E-06	0.000304757	0.00069362	0.002215307	0.000507035
2044 Aug	0.00149023	0.116786055	1.21351E-05	2.551010847	7.079324245	0.068609834	0.000742849	53.08223724	0.004058947	0.015003044	0.000391001	0.000587008	0.000212307	0.273125231	9.7497E-06	0.000318901	0.000759238	0.002499758	0.000536665
2044 Sep	0.001534199	0.099475689	1.11509E-05	2.453660488	7.641673565	0.062819108	0.000850772	57.46810913	0.00425807	0.013931015	0.000346212	0.000569773	0.000226555	0.269035906	9.38688E-06	0.000316289	0.000596938	0.002131976	0.000573327
2044 Oct	0.001527109	0.096818246	1.0817E-05	2.316373587	7.404900551	0.057001252	0.000868114	54.6084404	0.004093644	0.01358521	0.000314945	0.000529599	0.000217012	0.25078541	8.47227E-06	0.00029923	0.000540574	0.001964488	0.000540601
2044 Nov	0.001505096	0.097170688	1.08279E-05	2.259995461	7.137713432	0.054677181	0.00085514	52.13838196	0.00395392	0.013503055	0.000301689	0.000506052	0.000208926	0.24185729	8.11277E-06	0.000288764	0.000525947	0.001930286	0.000514066
2044 Dec	0.001506132	0.097236857	1.08351E-05	2.261220455	7.143023014	0.054701429	0.000855776	52.16932297	0.003955996	0.013511524	0.000301839	0.000506326	0.000209049	0.241969645	8.11565E-06	0.00028892	0.000526222	0.001931387	0.000514329
2045 Jan	0.001506143	0.097263418	1.08349E-05	2.26119256	7.142910004	0.05471031	0.00085572	52.16919339	0.003955571	0.013511308	0.000301873	0.000506257	0.000209027	0.241955638	8.11417E-06	0.000288882	0.000526334	0.001931261	0.000514233
2045 Feb	0.001506224	0.097301103	1.0835E-05	2.261370659	7.143228054	0.054730605	0.000855666	52.15818405	0.00395548	0.013511578	0.000301964	0.000506234	0.000209022	0.241968825	8.11351E-06	0.000288864	0.000526546	0.001931246	0.000514179
2045 Mar	0.001508409	0.097460233	1.08505E-05	2.264684677	7.153523922	0.054819498	0.000856853	52.2301178	0.00396105	0.013530964	0.000302442	0.00050694	0.000209316	0.24232021	8.1247E-06	0.000289264	0.00052741	0.001933985	0.00051488
2045 Apr	0.001516216	0.097974978	1.09065E-05	2.276426077	7.190513134	0.055108681	0.000861256	52.49832535	0.003981457	0.013600877	0.00030403	0.000509548	0.000210394	0.243574679	8.16643E-06	0.000290751	0.000530197	0.00194396	0.000517519
2045 May	0.00156817	0.101336949	1.12802E-05	2.354437828	7.43687582	0.056999415	0.000890753	54.2961731	0.004117838	0.01406688	0.000314462	0.000527	0.000217601	0.251920789	8.4461E-06	0.000300709	0.000548391	0.00201056	0.000535239
2045 Jun	0.001805577	0.089717612	1.05054E-05	2.605449677	10.61473083	0.069870599	0.001037496	77.9151535	0.005445833	0.013507688	0.000423183	0.000792749	0.000301688	0.293679416	9.58587E-06	0.000374066	0.00067725	0.00229577	0.000792136
2045 Jul	0.001647268	0.090678051	1.08353E-05	2.388667822	9.089888573	0.060297158	0.000878616	68.28995514	0.005206438	0.012339049	0.000400057	0.000771453	0.000278749	0.242315814	7.1738E-06	0.000321555	0.000714719	0.002449085	0.000716133
2045 Aug	0.001642202	0.096428506	1.16271E-05	2.4295067 79	8.625448227	0.057370249	0.000862206	65.18183136	0.00512285	0.012591247	0.000387124	0.000749415	0.000270453	0.228525147	6.5583E-06	0.000305498	0.000719212	0.002545228	0.000689713
2045 Sep	0.001722543	0.093757644	1.14844E-05	2.472097635	9.226315498	0.057776518	0.000953936	68.64797974	0.00531957	0.012447173	0.000390372	0.000756957	0.00028532	0.234881744	6.46735E-06	0.000318765	0.00067301	0.002412965	0.000724937
2045 Oct	0.001779795	0.094890662	1.15904E-05	2.521540642	9.599793434	0.058940701	0.000998247	71.0826416	0.00547756	0.012644214	0.000399871	0.000775641	0.000294875	0.240702048	6.52102E-06	0.000329123	0.000677251	0.002416851	0.000749651
2045 Nov	0.001780738	0.095438115	1.16404E-05	2.523469687	9.564357758	0.058693465	0.000999924	70.74594116	0.005456332	0.01270506	0.000397497	0.000770935	0.000293519	0.240058601	6.50424E-06	0.000328094	0.000675522	0.002415403	0.000745745
2045 Dec	0.001778994	0.095559865	1.16479E-05	2.521225452	9.537486076	0.05851483	0.000999443	70.51423645	0.005440491	0.012716029	0.000395985	0.00076796	0.000292575	0.239487663	6.48901E-06	0.00032725	0.00067395	0.002411837	0.000743143
2046 Jan	0.001779323	0.095594428	1.16499E-05	2.521668911	9.539179802	0.058531526	0.000999596	70.52225494	0.005441123	0.012718443	0.000396075	0.000768041	0.000292612	0.239527404	6.4896E-06	0.000327289	0.000674131	0.002412163	0.000743208

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.001779764	0.095639616	1.16526E-05	2.522343397	9.541378021	0.058557048	0.000999784	70.5348587	0.005442221	0.012721624	0.000396214	0.000768186	0.00029267	0.239591002	6.49082E-06	0.00032735	0.000674405	0.002412681	0.00074333
2046 Mar	0.001784285	0.095894337	1.16821E-05	2.528778076	9.565526009	0.058711834	0.001002291	70.71136475	0.00545591	0.012753958	0.000397243	0.000770112	0.000293406	0.24020195	6.5071E-06	0.000328171	0.000676177	0.002418766	0.000745185
2046 Apr	0.001803996	0.096957907	1.18108E-05	2.556696653	9.671481133	0.05936376	0.001013353	71.49260712	0.005516098	0.012894518	0.000401648	0.000778615	0.000296646	0.24285467	6.57869E-06	0.000331792	0.000683674	0.002445425	0.000753407
2046 May	0.001865637	0.101322129	1.22232E-05	2.645956516	9.99179554	0.061840009	0.001044794	73.67625427	0.005691109	0.013348488	0.000419823	0.000803258	0.000306314	0.251197636	6.78465E-06	0.000342117	0.000712365	0.002529397	0.000775819
2046 Jun	0.001738954	0.097076483	1.07701E-05	2.380432367	9.874381065	0.063337646	0.000930383	69.00559235	0.005305034	0.01177422	0.000457523	0.000798963	0.00029533	0.232320949	6.05542E-06	0.000316782	0.00075414	0.002419556	0.000730839
2046 Jul	0.001288708	0.088206947	1.00893E-05	1.788858414	6.425820351	0.044298571	0.000609122	43.58336258	0.003695621	0.010316825	0.00032061	0.000579226	0.00019946	0.159937993	4.40338E-06	0.000213938	0.000636914	0.002218994	0.000463026
2046 Aug	0.001227371	0.090700224	1.06308E-05	1.731267691	5.755453587	0.039085843	0.00056262	38.44142914	0.003361364	0.010410585	0.000284267	0.000526354	0.00017921	0.141673207	3.86601E-06	0.000189817	0.00060742	0.00224676	0.000402455
2046 Sep	0.001375478	0.084074154	1.01724E-05	1.796099305	6.905051708	0.039625596	0.000734821	46.09373093	0.003820954	0.010014261	0.000291531	0.000551722	0.000210081	0.154632285	3.59352E-06	0.000219505	0.000524312	0.001983054	0.000480476
2046 Oct	0.001431172	0.084793851	9.99137E-06	1.780939937	7.016894817	0.037986841	0.00080345	46.27655029	0.003833351	0.010262306	0.000278753	0.000527025	0.000210009	0.155494228	3.35715E-06	0.000225222	0.000485305	0.001821523	0.000479094
2046 Nov	0.001415263	0.085473165	1.0024E-05	1.758156538	6.804178238	0.036825635	0.000795347	44.59906006	0.003724027	0.010336256	0.000268414	0.000506511	0.000203243	0.152222112	3.28933E-06	0.000219671	0.000474402	0.001796172	0.000459653
2046 Dec	0.001417263	0.085577197	1.00359E-05	1.760335803	6.816499233	0.036872774	0.000796577	44.67245483	0.003728767	0.010348871	0.000268781	0.000507228	0.000203537	0.152414575	3.29269E-06	0.00021998	0.000474974	0.001798288	0.000460319
2047 Jan	0.001417516	0.085617572	1.00374E-05	1.760688782	6.81772995	0.036891546	0.000796665	44.67511368	0.003728997	0.010350831	0.000268867	0.000507248	0.000203551	0.152445585	3.29284E-06	0.000219996	0.000475168	0.001798458	0.000460318
2047 Feb	0.001418009	0.085680403	1.00404E-05	1.761423111	6.819969654	0.036923762	0.000796846	44.68475342	0.003729995	0.010354445	0.000269034	0.000507368	0.000203604	0.15251188	3.29369E-06	0.000220048	0.000475515	0.001798976	0.000460401
2047 Mar	0.001424399	0.086084627	1.00854E-05	1.769427419	6.850629807	0.037100781	0.000800384	44.88287354	0.003746639	0.010401113	0.000270288	0.000509624	0.000204512	0.153206438	3.30837E-06	0.000221026	0.000477758	0.001807023	0.000462434
2047 Apr	0.001432457	0.086582012	1.01424E-05	1.779475927	6.889344215	0.037316762	0.000804881	45.1349411	0.003767741	0.01045996	0.00027184	0.000512489	0.000205664	0.154077351	3.32699E-06	0.000222269	0.000480518	0.001817213	0.000465026
2047 May	0.001454739	0.095667318	1.03474E-05	1.834121823	6.92499733	0.041753225	0.00079234	44.28866577	0.003757724	0.010728848	0.000312158	0.000509792	0.000206572	0.158716157	3.31864E-06	0.000219884	0.000531708	0.001854736	0.000452458
2047 Jun	0.001568372	0.133110911	9.6911E-06	2.059364796	8.231295586	0.071534254	0.000724602	46.43153	0.003997474	0.010413915	0.000595671	0.00058356	0.000238609	0.188097641	3.1074E-06	0.000222472	0.000851344	0.001952757	0.000469976
2047 Jul	0.001694379	0.154016852	1.07763E-05	2.271478653	8.657310486	0.081863314	0.000731727	48.97738647	0.004402346	0.011420039	0.000692569	0.000639152	0.000259531	0.206521884	3.1633E-06	0.000235774	0.00099318	0.002205727	0.000494735
2047 Aug	0.001878932	0.162604034	1.18197E-05	2.484158516	9.745154381	0.087195404	0.000838677	56.16780472	0.004961669	0.012296013	0.000738383	0.000715204	0.000292504	0.226163685	3.41187E-06	0.000265931	0.001042785	0.002388624	0.000568705
2047 Sep	0.001916467	0.134172037	1.12066E-05	2.384817123	10.38279057	0.075364925	0.000978251	63.27047348	0.005307436	0.011382448	0.00063296	0.000747232	0.000311177	0.22123459	3.26028E-06	0.000291173	0.000858418	0.002178527	0.000653282
2047 Oct	0.001858231	0.121701382	1.07699E-05	2.234671593	9.868130684	0.06561897	0.000995294	61.07195663	0.005096737	0.011159834	0.000546629	0.000700196	0.00029456	0.207298383	3.02068E-06	0.000284794	0.000749229	0.002002955	0.000630656
2047 Nov	0.001793656	0.119908042	1.07314E-05	2.156989336	9.258319855	0.061619021	0.000962674	56.92434692	0.004807364	0.011185346	0.000509249	0.000651056	0.000276124	0.197750822	2.93778E-06	0.000270248	0.000710852	0.001941973	0.00058469
2047 Dec	0.001790935	0.119889297	1.07394E-05	2.153571367	9.226568222	0.061376553	0.000961611	56.68665314	0.004789757	0.011200177	0.000506879	0.000648047	0.000275028	0.197227478	2.93548E-06	0.00026946	0.000708609	0.001939332	0.000581923
2048 Jan	0.001791776	0.119965211	1.07442E-05	2.154610395	9.231285095	0.061414715	0.000962029	56.71046066	0.004791538	0.011205572	0.00050712	0.000648292	0.000275136	0.197321817	2.93659E-06	0.000269567	0.000709024	0.001940126	0.000582128
2048 Feb	0.001793168	0.120092899	1.07523E-05	2.156427383	9.238219261	0.061481506	0.000962677	56.74799347	0.004794919	0.011214562	0.000507571	0.000648733	0.000275328	0.197488934	2.93872E-06	0.00026975	0.000709759	0.001941563	0.000582496
2048 Mar	0.00179342	0.120128468	1.07537E-05	2.156808853	9.239392281	0.061500497	0.000962759	56.75245667	0.00479541	0.011216295	0.000507673	0.000648791	0.000275355	0.19752422	2.93905E-06	0.000269775	0.000709958	0.001941798	0.000582532
2048 Apr	0.001809219	0.12125285	1.0848E-05	2.176082611	9.320461273	0.06207943	0.000971051	57.24050903	0.004837002	0.011315564	0.000512257	0.00065439	0.000277739	0.19929111	2.96462E-06	0.000272103	0.000716569	0.001958762	0.000587505
2048 May	0.001880085	0.126037344	1.12727E-05	2.261461258	9.685386658	0.064530618	0.001008985	59.47632599	0.00502611	0.01175905	0.000532391	0.000679962	0.000288597	0.207110986	3.08057E-06	0.000282735	0.000744828	0.002035424	0.000610432
2048 Jun	0.001680476	0.103897087	1.02752E-05	1.970463634	9.122851372	0.055529337	0.000880235	56.13264084	0.004692304	0.010286545	0.000462881	0.00070237	0.000271067	0.179353654	2.88215E-06	0.000262638	0.000715317	0.002114692	0.00059502
2048 Jul	0.001208639	0.092387363	1.00352E-05	1.480270267	5.6157341	0.037250679	0.000536122	32.9093132	0.003129458	0.009544709	0.000303161	0.000503545	0.000173438	0.121124506	2.49865E-06	0.000170988	0.00060921	0.002093988	0.00034664
2048 Aug	0.001277998	0.089966625	1.03236E-05	1.537608624	6.148228645	0.036665197	0.000587711	37.15390396	0.003390351	0.009539974	0.00030104	0.00053162	0.000189334	0.126425952	2.48475E-06	0.000183951	0.000576316	0.002105272	0.000388014
2048 Sep	0.001448732	0.084882766	1.00996E-05	1.673949242	7.500165462	0.039145213	0.000753241	47.11878204	0.004022175	0.00935397	0.000323419	0.000592938	0.000228183	0.144831434	2.42387E-06	0.000220873	0.000535126	0.001974141	0.00049443
2048 Oct	0.001501877	0.083919942	9.80404E-06	1.692383766	7.676599026	0.038484961	0.000814123	48.52298737	0.004118701	0.009494282	0.000316181	0.000582767	0.000232097	0.148872346	2.34179E-06	0.000229813	0.000506102	0.001840749	0.000511964
2048 Nov	0.001469338	0.084568389	9.80657E-06	1.658209562	7.25720644	0.036522448	0.000797703	45.48984909	0.003920529	0.009635546	0.000295972	0.000544099	0.000219355	0.14420639	2.31676E-06	0.000220352	0.000484461	0.001788437	0.000478603
2048 Dec	0.001470615	0.084652983	9.81597E-06	1.659610629	7.262926579	0.03654746	0.000798443	45.52173233	0.00392317	0.009645568	0.000296154	0.000544435	0.000219504	0.144319788	2.31881E-06	0.000220521	0.00048481	0.001789866	0.000478897
2049 Jan	0.001470844	0.084700041	9.81778E-06	1.659993291	7.263430595	0.036566883	0.0007985	45.51977539	0.003923254	0.009648047	0.000296229	0.000544414	0.000219505	0.144351259	2.31914E-06	0.000220526	0.000485016	0.001790048	0.000478855
2049 Feb	0.001471105	0.084752858	9.81915E-06	1.660455108	7.264539242	0.0365954	0.000798539	45.52140808	0.003923607	0.009649975	0.000296362	0.000544445	0.000219522	0.144394293	2.31941E-06	0.00022054	0.000485308	0.00179026	0.000478854
2049 Mar	0.001473586	0.084916361	9.8355E-06	1.663345695	7.276687622	0.03666912	0.000799829	45.5946312	0.003930034	0.009666363	0.000296905	0.000545327	0.000219881	0.144647226	2.32325E-06	0.000220897	0.000486238	0.00179322	0.000479614
2049 Apr	0.001486392	0.085666157	9.92086E-06	1.677853346	7.339868069	0.036994692	0.000806748	45.98884583	0.00396408	0.009750434	0.00029951	0.000550045	0.000221785	0.145909727	2.3434E-06	0.000222809	0.000490528	0.00180877	0.000483755
2049 May	0.001537864	0.090094522	1.02901E-05	1.742057562	7.568086147	0.038886484	0.000830831	47.23588181	0.004084518	0.010132865	0.000315109	0.00056597	0.000228647	0.151400715	2.42586E-06	0.000229414	0.000514448	0.001873324	0.000496093
2049 Jun	0.001400375	0.085892268	9.43576E-06	1.599831939	7.177591324	0.040215638	0.000699819	43.03561401	0.00378647	0.009120461	0.000335767	0.000579608	0.000216298	0.13723968	2.27497E-06	0.000208603	0.000583	0.00195641	0.000469717
2049 Jul	0.001214428	0.084517702	9.56568E-06	1.427900314	5.755859375	0.034543954	0.000543893	34.20481491	0.003233083	0.008989403	0.000287388	0.000514568	0.000179629	0.117100932	2.20086E-06	0.000173626	0.000571032	0.002023808	0.000372265
2049 Aug	0.001226264	0.093556263	1.07699E-05	1.472530007	5.47253418	0.033878688	0.000517408	32.03694534	0.00313878	0.009935438	0.00027922	0.000505225	0.00017185	0.116251886	2.38059E-06	0.00016738	0.000594792	0.002220903	0.000336299
2049 Sep	0.001470856	0.089210346	1.04827E-05	1.66712904	7.42913723	0.038799096	0.00074459	46.13471222	0.004029071	0.009811226	0.00032461	0.000603159	0.000226579	0.14287366	2.34487E-06	0.000220326	0.000568816	0.002078671	0.000486375
2049 Oct	0.00150247	0.087567598	1.01096E-05	1.666408658	7.409327507	0.03711205	0.000801853	46.24102402	0.004022128	0.009917326	0.000306057	0.000570392	0.000224292	0.144776791	2.25772E-06	0.000224597	0.000518945	0.001889133	0.000488476
2049 Nov	0.001491614	0.087677754	1.00918E-05	1.654949784	7.253378868	0.036291823	0.000796877	45.07695007	0.003942741	0.009974341	0.000297275	0.000553807	0.000219293	0.143126339	2.25229E-06	0.000221	0.000508079	0.001862274	0.000476018
2049 Dec	0.001491321	0.08779332	1.0101E-05	1.654665351	7.239988327	0.036212593	0.000796989	44.95685959	0.003934103	0.009992323	0.000296348	0.000552051	0.000218766	0.14299275	2.25371E-06	0.000220677	0.0005071 8	0.001860727	0.000474561
2050 Jan	0.001491017	0.087861225	1.01042E-05	1.6545192	7.233457565	0.036196504	0.000796832	44.90060806	0.003930344	0.009998553	0.000296047	0.000551314	0.000218531	0.142941222	2.25405E-06	0.000220513	0.000506992	0.001860088	0.000473882
2050 Feb	0.001491256	0.087910347	1.01054E-05	1.654945493	7.23446846	0.036223073	0.000796866	44.90196609	0.003930659	0.010000322	0.00029617	0.000551341	0.000218547	0.142980978	2.2543E-06	0.000220525	0.000507263	0.001860279	0.000473879
2050 Mar	0.001491771	0.087959833	1.01087E-05	1.655605316	7.236887932	0.036246911	0.00079709	44.91430664	0.003931846	0.010003868	0.000296314	0.000551498	0.000218612	0.143039584	2.25501E-06	0.000220588	0.000507542	0.001860863	0.000474
2050 Apr	0.001501439	0.0885408	1.01741E-05	1.666384816	7.283740997	0.036488298	0.000802226	45.20355606	0.003957228	0.01006875	0.000298258	0.000555052	0.000220022	0.143971816	2.26959E-06	0.00022201	0.000510891	0.00187289	0.000477047
2050 May	0.00154691	0.091838121	1.04889E-05	1.719641805	7.496961594	0.037892587	0.000824748	46.44851303	0.004071117	0.010387352	0.000309909	0.000570821	0.000226445	0.148564637	2.33878E-06	0.000228301	0.000529615	0.001930375	0.000489874
2050 Jun	0.001490888	0.100126974	9.82124E-06	1.71815598	7.612976551	0.047706407	0.000721941	44.75676727	0.003983187	0.009646742	0.000406712	0.000602113	0.00022906	0.149311423	2.2092E-06	0.000216414	0.000666559	0.002021681	0.00048205
2050 Jul	0.00125656	0.091185592	9.49105E-06	1.472670913	5.994875431	0.038722504	0.000552524	35.02822113	0.003310466	0.00901569	0.000329679	0.000517816	0.00018599	0.122734971	2.08883E-06	0.000175998	0.00060057	0.001983721	0.000379047
2050 Aug	0.001897447	0.09256842	1.017E-05	1.984681249	10.86916256	0.05630162	0.000986054	63.79254913	0.005464414	0.009356191	0.000507	0.000893032	0.000326376	0.173610121	2.42844E-06	0.000297117	0.000762281	0.002364758	0.000762262
2050 Sep	0.001942608	0.089100078	1.01667E-05	2.026384354	11.18717766	0.054892812	0.001059926	67.26063538	0.005632805	0.009378024	0.000487641	0.000881865	0.000334779	0.180894122	2.39605E-06	0.000308561	0.000699053	0.002226922	0.000789127
2050 Oct	0.001960944	0.09062814	1.03419E-05	2.048135519	11.21055508	0.05454924	0.00107622	67.84568024	0.005662709	0.009643891	0.000481747	0.000874501	0.000334875	0.183633789	2.41694E-06	0.000311189	0.000690818	0.002215942	0.000789329
2050 Nov	0.001978956	0.091334514	1.04235E-05	2.066502094	11.32325268	0.055039424	0.001086297	68.53309631	0.005715135	0.009722351	0.000486093	0.000882666	0.000338057	0.185335368	2.43718E-06	0.000314128	0.000696689	0.002234509	0.000797089
2050 Dec	0.001981094	0.09141767	1.0433E-05	2.068680525	11.33635998	0.055093769	0.001087498	68.61282349	0.005721128	0.009732117	0.000486565	0.000883569	0.00033842	0.185536385	2.43961E-06	0.00031447	0.000697328	0.00223659	0.000797979
2051 Jan	0.001982102	0.091457747	1.04357E-05	2.069777012	11.34272099	0.055132389	0.001088032	68.65796661	0.00572476	0.009735156	0.000486866	0.000884057	0.000338621	0.18565838	2.44036E-06	0.000314653	0.00069771	0.002237317	0.000798487
2051 Feb	0.001982667	0.091501847	1.0438E-05	2.070473433	11.34588528	0.055161837	0.001088287	68.67710114	0.005726483	0.009737669	0.00048706	0.00088429	0.000338716	0.185728997	2.44089E-06	0.000314738	0.000698021	0.002237818	0.000798698
2051 Mar	0.001984864	0.091616511	1.04496E-05	2.072829247	11.35833073	0.055229865	0.001089459	68.7507782	0.005732697	0.009748672	0.000487622	0.000885242	0.000339083	0.185940847	2.44358E-06	0.000315078	0.000698859	0.002240271	0.000799549
2051 Apr	0.002003943	0.092504747	1.055E-05	2.092788696	11.46743393	0.055764705	0.001099912	69.41020966	0.005787724	0.009842498	0.000492322	0.000893734	0.000342337	0.187731579	2.46706E-06	0.000318101	0.000705614	0.002261789	0.000807214
2051 May	0.002019903	0.098925702	1.08753E-05	2.136149883	11.38644218	0.057883941	0.001090827	68.63424683	0.005783853	0.010205197	0.000509993	0.000887283	0.000341286	0.191247463	2.52319E-06	0.000316565	0.000732285	0.002304931	0.000794458
2051 Jun	0.001103268	0.120905645	9.41685E-06	1.488831878	4.298869133	0.049049806	0.000368157	18.9494133	0.00230097	0.009420226	0.000412766	0.000342169	0.000133678	0.117815316	2.01546E-06	0.000119342	0.000690697	0.001817775	0.000193533
2051 Jul	0.001025833	0.112613007	9.24518E-06	1.401357412	3.795750141	0.043559227	0.000322155	16.36830902	0.002101741	0.009167095	0.000361752	0.000322421	0.00012024	0.107144244	2.00231E-06	0.000110278	0.000651075	0.001825551	0.000173214
2051 Aug	0.001012013	0.11120107	9.4242E-06	1.377397537	3.673063278	0.041469812	0.000316849	15.82883644	0.002052168	0.009246011	0.00034309	0.000315876	0.000116437	0.104148604	2.02446E-06	0.000107651	0.00063195	0.001842552	0.000163777
2051 Sep	0.000984923	0.105661713	9.32897E-06	1.325212002	3.495564461	0.037508294	0.000326664	15.16898441	0.001958371	0.009123932	0.000306031	0.000294022	0.000110094	0.099113129	1.99341E-06	0.000104445	0.00057707	0.001769342	0.000153621
2051 Oct	0.000957793	0.095029481	8.94753E-06	1.24448514	3.222322226	0.030085893	0.000368626	14.14440632	0.001795328	0.008966279	0.000234498	0.00024725	9.87939E-05	0.091280475	1.91964E-06	0.000102552	0.00046842	0.001575441	0.000142753
2051 Nov	0.000962261	0.094461657	8.94592E-06	1.244164228	3.224351883	0.029547278	0.000377046	14.2297802	0.001796754	0.009000496	0.000228999	0.000244458	9.85726E-05	0.091246203	1.91999E-06	0.000103409	0.000460038	0.001561138	0.000143634
2051 Dec	0.000963236	0.094481707	8.94876E-06	1.245118856	3.229918003	0.029571433	0.000377677	14.27716732	0.001800708	0.00900362	0.000229222	0.000244934	9.87765E-05	0.091362499	1.92063E-06	0.000103608	0.000460251	0.001561687	0.000144164
2052 Jan	0.000963314	0.094485782	8.94922E-06	1.245177388	3.230134964	0.029570643	0.000377759	14.27846909	0.001800787	0.009004378	0.0002292	0.000244921	9.87782E-05	0.091368213	1.9207E-06	0.000103617	0.000460228	0.001561644	0.000144166
2052 Feb	0.000963482	0.09450414	8.95069E-06	1.245392442	3.230666399	0.029576251	0.000377835	14.28033161	0.00180103	0.009006009	0.00022923	0.000244945	9.87907E-05	0.0913845	1.921E-06	0.000103633	0.000460302	0.001561853	0.000144179
2052 Mar	0.000964196	0.094575688	8.95726E-06	1.246322036	3.233072996	0.029599328	0.000378111	14.29078388	0.001802357	0.009012652	0.000229404	0.000245124	9.88634E-05	0.091453239	1.92241E-06	0.000103708	0.000460652	0.001562997	0.000144284
2052 Apr	0.000965719	0.094725929	8.97138E-06	1.248294473	3.238187075	0.02964673	0.000378707	14.31328487	0.001805199	0.009026869	0.000229769	0.00024551	9.90192E-05	0.091598257	1.92544E-06	0.000103872	0.000461385	0.001565459	0.00014451
2052 May	0.000978476	0.097299412	9.06392E-06	1.26635766	3.27030921	0.030532047	0.000386216	14.20232391	0.001798635	0.009181977	0.000236743	0.000241374	9.89318E-05	0.093196735	1.93834E-06	0.000103993	0.000469133	0.001564162	0.000140382
2052 Jun	0.001015786	0.113834828	9.0552E-06	1.375753284	3.448636532	0.040398758	0.000368524	13.17923737	0.001764679	0.0094745	0.000324164	0.000232363	0.000101454	0.104075097	1.93495E-06	0.000100685	0.000568788	0.001565052	0.000122303
2052 Jul	0.001025411	0.116560251	9.28309E-06	1.391939282	3.470767975	0.041231975	0.000360293	13.22648144	0.001785743	0.00964169	0.00033283	0.000239228	0.000102476	0.105170034	1.97477E-06	0.000100702	0.000585283	0.001618937	0.000120686
2052 Aug	0.001040322	0.118135795	9.4862E-06	1.407486558	3.514072895	0.041427422	0.000363727	13.49743271	0.001814959	0.009794511	0.00033513	0.000243061	0.000103921	0.106264338	2.01126E-06	0.000101864	0.000587855	0.00164772	0.000121815
2052 Sep	0.001037942	0.116658241	9.52826E-06	1.39497447	3.506702185	0.040299039	0.000367337	13.69798946	0.001815255	0.009765182	0.000325771	0.000241189	0.000103652	0.105193846	2.01214E-06	0.000101739	0.000570269	0.001637124	0.000122004
2052 Oct	0.001044037	0.115809061	9.55261E-06	1.39426136	3.548626184	0.039780419	0.000375888	14.17413425	0.001842259	0.009771346	0.000321328	0.000243185	0.000104898	0.105405971	2.01418E-06	0.000103308	0.000561468	0.001631274	0.000126271
2052 Nov	0.001047688	0.116044194	9.5734E-06	1.398540974	3.56627512	0.03990934	0.000377635	14.29938602	0.001853895	0.009792081	0.000322464	0.000244685	0.00010552	0.105828419	2.01866E-06	0.00010389	0.000562998	0.001635304	0.00012763
2052 Dec	0.00104878	0.116071679	9.57626E-06	1.399679542	3.572944641	0.039946735	0.000378256	14.35623646	0.001858721	0.009794739	0.00032282	0.000245307	0.000105773	0.105969541	2.01934E-06	0.00010412	0.000563364	0.001636098	0.000128277

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.001049115	0.116080061	9.57727E-06	1.400016069	3.574991465	0.039956681	0.000378456	14.37299919	0.00186009	0.009795681	0.000322907	0.000245481	0.000105846	0.106010228	2.01957E-06	0.000104187	0.000563452	0.001636318	0.000128462
2053 Feb	0.00104945	0.11611294	9.57984E-06	1.40044868	3.576331854	0.039970186	0.000378589	14.3799839	0.001860841	0.009798328	0.000323012	0.000245578	0.000105887	0.106046706	2.02011E-06	0.000104226	0.000563625	0.001636769	0.000128531
2053 Mar	0.00105048	0.116227783	9.5892E-06	1.401827097	3.57984972	0.040010117	0.000378958	14.39402008	0.001862663	0.009807922	0.000323331	0.000245817	0.00010599	0.106151395	2.02209E-06	0.000104328	0.000564184	0.001638368	0.000128655
2053 Apr	0.001053675	0.11658182	9.61834E-06	1.40609324	3.590742588	0.040132217	0.00038011	14.43775654	0.001868325	0.009837741	0.000324316	0.000246564	0.000106313	0.106474623	2.02823E-06	0.000104645	0.000565903	0.001643346	0.000129046
2053 May	0.001105428	0.123385936	9.69841E-06	1.477683783	4.030663013	0.045087747	0.000400329	16.59003258	0.001999913	0.009978725	0.000370002	0.000266034	0.000116609	0.114771776	2.03771E-06	0.00011096	0.000611579	0.001664463	0.000144619
2053 Jun	0.001136803	0.140358433	9.13291E-06	1.603938937	4.513062477	0.059454251	0.000361636	17.13616753	0.002043434	0.009697339	0.000501751	0.000280159	0.000127617	0.129368722	1.94643E-06	0.000109824	0.000752974	0.001644725	0.000147694
2053 Jul	0.001154547	0.142118022	9.28357E-06	1.633408904	4.57570982	0.060387373	0.000362031	17.45893669	0.002094487	0.009839671	0.000509506	0.000290171	0.000130436	0.131437555	1.98904E-06	0.000112407	0.000770302	0.001693226	0.000154023
2053 Aug	0.001198642	0.14666909	9.62141E-06	1.691949368	4.770690918	0.062444393	0.000378013	18.50618935	0.002201725	0.010174621	0.000527261	0.000305131	0.000136595	0.136539042	2.05919E-06	0.000117761	0.000796747	0.001757745	0.000163969
2053 Sep	0.001237868	0.149558306	9.83639E-06	1.740105033	4.973676682	0.064168207	0.000395346	19.89820671	0.00232953	0.01038665	0.000542655	0.000322246	0.000143628	0.141388565	2.10502E-06	0.000123949	0.000816986	0.001803074	0.000178716
2053 Oct	0.001254301	0.15007934	9.89783E-06	1.756935835	5.083405495	0.064714037	0.000404794	20.76970673	0.002397873	0.01043904	0.000547851	0.000331794	0.000147335	0.14340961	2.11747E-06	0.000127288	0.000823049	0.001818905	0.000187806
2053 Nov	0.001255224	0.149797186	9.9062E-06	1.755716681	5.105847359	0.064574473	0.000406729	20.95383835	0.002404478	0.010437993	0.00054671	0.000333381	0.00014774	0.143368125	2.11767E-06	0.000127729	0.000821899	0.001821371	0.000189099
2053 Dec	0.001255847	0.149807408	9.90816E-06	1.756308317	5.110270023	0.064592205	0.000407122	20.99032593	0.002407249	0.010439541	0.000546884	0.000333768	0.000147889	0.143444166	2.11806E-06	0.000127865	0.000822087	0.001821912	0.00018948
2054 Jan	0.001256028	0.14981249	9.90892E-06	1.75647831	5.111647606	0.064597383	0.000407236	21.00064278	0.002407962	0.010440157	0.000546925	0.000333875	0.000147929	0.143464819	2.11819E-06	0.000127901	0.000822148	0.001822101	0.000189577
2054 Feb	0.00125621	0.149833605	9.91027E-06	1.75672543	5.112545013	0.064607151	0.000407301	21.00471687	0.002408335	0.010441557	0.000546997	0.00033393	0.000147951	0.143486068	2.11847E-06	0.000127921	0.000822268	0.001822356	0.00018961
2054 Mar	0.001256291	0.149843931	9.91092E-06	1.756838679	5.112935066	0.064611681	0.000407328	21.0062294	0.002408476	0.010442234	0.00054703	0.000333952	0.00014796	0.143495381	2.1186E-06	0.000127929	0.000822325	0.001822476	0.00018962
2054 Apr	0.001259629	0.150242567	9.93726E-06	1.76150775	5.126547337	0.064783648	0.00040841	21.06209755	0.002414868	0.010469981	0.000548482	0.000334839	0.000148353	0.143876821	2.12423E-06	0.000128268	0.000824513	0.001827318	0.000190123
2054 May	0.001270981	0.152048528	1.00421E-05	1.777595401	5.20673418	0.065605313	0.000412029	21.34484673	0.002429863	0.010572393	0.000555696	0.000338598	0.000149768	0.145233035	2.14233E-06	0.000129146	0.00083527	0.001848623	0.000190724
2054 Jun	0.001187523	0.152429655	9.6659E-06	1.699257851	4.992205143	0.06657581	0.000356981	19.1634407	0.00219559	0.010149444	0.000567001	0.000321075	0.000139106	0.13897568	2.0273E-06	0.000114616	0.000856758	0.001824256	0.000155873
2054 Jul	0.001118067	0.141494617	9.49934E-06	1.593212605	4.589357376	0.059947729	0.000328101	17.78424263	0.002082669	0.009809691	0.000508531	0.000313597	0.000129633	0.127927676	1.99879E-06	0.000108924	0.000800797	0.001823709	0.000148404
2054 Aug	0.001112504	0.138475761	9.61991E-06	1.570837975	4.520093918	0.057446375	0.000331835	17.81205368	0.002078368	0.009821861	0.000486531	0.000311756	0.00012822	0.125320807	2.01797E-06	0.000108842	0.000772434	0.001827461	0.000148501
2054 Sep	0.001105607	0.135111704	9.67544E-06	1.548756242	4.462130547	0.055072997	0.000339478	17.87619972	0.002071002	0.009787403	0.000464971	0.000307751	0.000126924	0.122954428	2.02455E-06	0.000108824	0.00074207	0.001814046	0.000148906
2054 Oct	0.001095539	0.130709365	9.61263E-06	1.519874692	4.393313885	0.052374866	0.000349845	17.88980675	0.00205185	0.009693602	0.000440079	0.000300862	0.000124966	0.120111272	2.01259E-06	0.000108974	0.00070653	0.001777227	0.000150275
2054 Nov	0.001092772	0.128935486	9.58137E-06	1.509983897	4.368689537	0.0513184	0.000354516	17.91067886	0.002046677	0.009658525	0.000430227	0.000298336	0.00012432	0.119083889	2.00874E-06	0.000109293	0.00069258	0.001762117	0.000151548
2054 Dec	0.001094276	0.128952742	9.58517E-06	1.511428356	4.377979279	0.051357493	0.000355462	17.99157906	0.002053353	0.009661915	0.000430601	0.000299178	0.000124668	0.119267829	2.00964E-06	0.000109616	0.000692918	0.001763054	0.000152468
2055 Jan	0.001094468	0.128946006	9.58555E-06	1.51156199	4.37914896	0.051356819	0.000355632	18.00293159	0.002054222	0.009662251	0.000430586	0.000299272	0.00012471	0.119287461	2.00973E-06	0.000109661	0.000692879	0.001763068	0.000152595
2055 Feb	0.001094494	0.128947869	9.58583E-06	1.511584997	4.37919569	0.051356245	0.000355659	18.00292587	0.002054212	0.009662564	0.000430566	0.000299262	0.000124708	0.119288668	2.00977E-06	0.000109662	0.000692864	0.00176306	0.00015259
2055 Mar	0.001094788	0.128982663	9.5884E-06	1.511988759	4.380351067	0.051369842	0.000355759	18.00751877	0.002054738	0.009665177	0.000430672	0.000299335	0.000124739	0.119320467	2.01031E-06	0.000109691	0.000693044	0.001763513	0.000152627
2055 Apr	0.001097129	0.129259154	9.60888E-06	1.515224814	4.389718056	0.051480174	0.000356519	18.04593086	0.002059127	0.009685834	0.000431593	0.000299974	0.000125006	0.119576044	2.0146E-06	0.000109925	0.000694529	0.001767277	0.000152952
2055 May	0.00110734	0.130446896	9.6972E-06	1.529270649	4.430970192	0.051958043	0.000359875	18.22033119	0.002078756	0.009774819	0.000435607	0.000302821	0.000126191	0.120693438	2.03313E-06	0.000110967	0.000700952	0.001783573	0.000154456
2055 Jun	0.000951339	0.101935327	9.1389E-06	1.2846663	3.576050282	0.035535	0.000315538	15.51069927	0.001819587	0.008933946	0.000286727	0.000284431	0.000104857	0.094850026	1.95168E-06	0.000101196	0.0005588	0.001750833	0.000145703
2055 Jul	0.000895822	0.092622191	9.01306E-06	1.208096743	3.211247444	0.030041249	0.000287357	14.1272359	0.001732022	0.008693703	0.000236744	0.000282141	9.71035E-05	0.085753433	1.95067E-06	9.75382E-05	0.000520966	0.001778115	0.000142746
2055 Aug	0.000916219	0.094773754	9.28498E-06	1.233405948	3.267700195	0.030422203	0.00029349	14.41871357	0.001772691	0.00893157	0.000239672	0.000288846	9.90362E-05	0.087411702	2.00413E-06	9.95677E-05	0.000530849	0.001827883	0.000144802
2055 Sep	0.000912387	0.094101951	9.37329E-06	1.223451734	3.223669052	0.029499266	0.000295731	14.3063755	0.001763085	0.008965466	0.000231454	0.000285838	9.7925E-05	0.086410828	2.01154E-06	9.87719E-05	0.000519676	0.001828454	0.000141377
2055 Oct	0.000918429	0.094205335	9.4233E-06	1.227972031	3.249358177	0.0294274	0.000300838	14.53899002	0.001781653	0.00900844	0.000230707	0.000287487	9.87792E-05	0.086893231	2.0197E-06	9.97472E-05	0.000518344	0.001832538	0.00014333
2055 Nov	0.000922428	0.094280206	9.44148E-06	1.231570959	3.271602154	0.029489024	0.000303596	14.72972393	0.001797164	0.009024735	0.000231277	0.000289311	9.95685E-05	0.087326251	2.02314E-06	0.000100514	0.000518774	0.001835204	0.000145324
2055 Dec	0.000923847	0.094284184	9.44385E-06	1.232854128	3.281034946	0.029526977	0.000304535	14.81371784	0.001803927	0.009026611	0.000231652	0.00029016	9.9921E-05	0.08750584	2.02369E-06	0.000100833	0.000519058	0.001835882	0.00014627
2056 Jan	0.000924012	0.094295301	9.44512E-06	1.233027458	3.281780243	0.029530359	0.000304636	14.81855011	0.00180433	0.009027844	0.000231667	0.000290204	9.99414E-05	0.087521873	2.02393E-06	0.000100855	0.000519093	0.001836041	0.00014631
2056 Feb	0.000924107	0.094307996	9.44609E-06	1.233156919	3.28211236	0.029534454	0.000304673	14.81946087	0.001804446	0.009028829	0.000231684	0.000290217	9.99473E-05	0.087531537	2.02411E-06	0.000100862	0.000519144	0.001836181	0.00014631
2056 Mar	0.000924449	0.094344556	9.44958E-06	1.233615041	3.283324957	0.029546009	0.000304788	14.82461739	0.001805076	0.009032197	0.000231767	0.000290315	9.9982E-05	0.087564349	2.02485E-06	0.000100898	0.000519336	0.001836834	0.000146356
2056 Apr	0.000926789	0.094584353	9.47345E-06	1.236741185	3.29164052	0.029621547	0.000305558	14.8620224	0.001809637	0.009055034	0.000232356	0.000291047	0.000100234	0.08778663	2.02996E-06	0.000101152	0.000520655	0.00184147	0.000146725
2056 May	0.000949447	0.101251379	9.58912E-06	1.281992793	3.392770767	0.033142406	0.000307945	14.72317696	0.001815448	0.009248637	0.000263603	0.000288343	0.000102038	0.092337556	2.04292E-06	0.000100648	0.000553618	0.001846531	0.000140133
2056 Jun	0.001004585	0.1272953	9.23816E-06	1.447030067	3.699190617	0.050293982	0.000285647	13.35784149	0.001794601	0.009385638	0.000418497	0.000268348	0.000108507	0.111267991	1.95731E-06	9.47933E-05	0.000702837	0.001750492	0.000115114
2056 Jul	0.00103395	0.131491378	9.49005E-06	1.492276669	3.800165892	0.052179862	0.000290315	13.71823978	0.001854607	0.009647487	0.000434878	0.000277468	0.000112031	0.114933021	2.01229E-06	9.75494E-05	0.000728473	0.001804019	0.000119005
2056 Aug	0.001053944	0.134031013	9.71703E-06	1.516028404	3.864581347	0.05289482	0.000295475	14.04147434	0.00189348	0.009846824	0.000441638	0.000282552	0.000114065	0.116856501	2.05304E-06	9.91592E-05	0.000737861	0.001838696	0.000120375
2056 Sep	0.001074208	0.135712564	9.88308E-06	1.53940475	3.950613499	0.053490803	0.000304853	14.57293797	0.00194327	0.010001863	0.000446781	0.000288681	0.000116761	0.118915685	2.08534E-06	0.000101681	0.000744981	0.001864347	0.000125031
2056 Oct	0.001077409	0.133653671	9.84716E-06	1.52762115	3.995214224	0.052369151	0.000317044	15.18901157	0.001967723	0.009958019	0.000437223	0.000289466	0.000117723	0.118420541	2.07303E-06	0.000103395	0.000727477	0.001841461	0.000130463
2056 Nov	0.001080824	0.133300304	9.85042E-06	1.527758718	4.019525528	0.052185379	0.000321445	15.43165302	0.001981837	0.009961655	0.000435647	0.000290706	0.000118398	0.118601047	2.07284E-06	0.000104249	0.000724317	0.001838367	0.000132823
2056 Dec	0.001081953	0.133316129	9.85307E-06	1.528817177	4.026707649	0.052216474	0.000322151	15.4927969	0.001986776	0.009964126	0.000435947	0.000291335	0.000118657	0.118738502	2.07346E-06	0.000104486	0.000724587	0.001839034	0.00013351
2057 Jan	0.001082089	0.133328989	9.85423E-06	1.528968692	4.027247906	0.052219652	0.000322226	15.49510384	0.00198696	0.009965382	0.000435962	0.000291353	0.000118668	0.118750185	2.07368E-06	0.0001045	0.000724624	0.00183917	0.000133521
2057 Feb	0.001082177	0.133340001	9.85498E-06	1.529082298	4.027601242	0.052223507	0.000322264	15.49623585	0.001987067	0.009966196	0.000435982	0.000291363	0.000118674	0.11875917	2.07382E-06	0.000104507	0.000724667	0.001839267	0.000133525
2057 Mar	0.001082909	0.133431077	9.86159E-06	1.530118942	4.030334473	0.052259468	0.000322482	15.50660896	0.001988398	0.009972914	0.000436276	0.000291557	0.000118753	0.118840024	2.07521E-06	0.000104577	0.00072516	0.001840494	0.000133613
2057 Apr	0.001085817	0.133790076	9.88804E-06	1.534231067	4.041162491	0.052400321	0.000323347	15.54818726	0.001993734	0.009999681	0.000437448	0.000292339	0.000119072	0.119159639	2.08078E-06	0.000104857	0.000727111	0.001845429	0.00013397
2057 May	0.001100033	0.135693684	1.00073E-05	1.553171873	4.099349022	0.053114019	0.000329023	15.72956181	0.002011726	0.010131432	0.000443428	0.000294338	0.000120326	0.120695628	2.10354E-06	0.000105965	0.000735348	0.001862031	0.000134474
2057 Jun	0.001036627	0.132711411	9.49177E-06	1.483819366	3.847296238	0.052390363	0.000297276	13.89318371	0.001838931	0.009697567	0.000437898	0.000273384	0.000111339	0.115090996	1.9914E-06	9.67826E-05	0.000727178	0.001782008	0.000114421
2057 Jul	0.001029216	0.130131498	9.60491E-06	1.470248222	3.774426222	0.050550923	0.000292052	13.84523582	0.001850411	0.009736892	0.000420964	0.00028052	0.000110621	0.1128987	2.02197E-06	9.75105E-05	0.000720513	0.001828787	0.000117713
2057 Aug	0.001081139	0.136043578	1.00593E-05	1.54157567	3.976868391	0.052943513	0.00030852	14.77849007	0.00196026	0.010190259	0.000441116	0.000296527	0.000116929	0.118649982	2.11744E-06	0.000103101	0.000754031	0.001916028	0.000126485
2057 Sep	0.001100032	0.136804312	1.02016E-05	1.560818672	4.075314045	0.053269289	0.0003188	15.57766819	0.002028913	0.010308821	0.000444008	0.000306308	0.000120404	0.12057174	2.14542E-06	0.000106447	0.000759898	0.001945158	0.000134621
2057 Oct	0.001106424	0.1354862	1.02184E-05	1.55868876	4.141346455	0.052702162	0.000327772	16.34283638	0.002076922	0.010300906	0.000439369	0.000313197	0.000122619	0.120870069	2.14618E-06	0.000108939	0.000753935	0.00194962	0.000142328
2057 Nov	0.001110043	0.135563672	1.0238E-05	1.561981678	4.163008213	0.052757353	0.000330046	16.5214653	0.002090929	0.01031795	0.000439889	0.000315137	0.000123342	0.121242553	2.15005E-06	0.000109646	0.000754751	0.001953719	0.000144166
2057 Dec	0.001110961	0.135592178	1.02414E-05	1.562914252	4.168549538	0.052786309	0.000330562	16.56748581	0.002094773	0.010321032	0.000440162	0.000315648	0.000123543	0.121354818	2.15077E-06	0.000109828	0.000755071	0.001954556	0.000144671
2058 Jan	0.001111199	0.135586426	1.02417E-05	1.563086987	4.170362949	0.052789837	0.000330742	16.58423615	0.002096014	0.010321185	0.000440195	0.000315813	0.000123606	0.121382959	2.15083E-06	0.000109888	0.000755095	0.001954682	0.000144851
2058 Feb	0.001111285	0.135590196	1.02422E-05	1.563171864	4.17092514	0.052792314	0.000330793	16.58831024	0.002096314	0.010321587	0.000440207	0.000315856	0.000123622	0.121392444	2.15091E-06	0.000109903	0.000755124	0.001954771	0.000144889
2058 Mar	0.001111534	0.135618776	1.02443E-05	1.563513517	4.171942234	0.052804191	0.000330874	16.59297943	0.002096838	0.010323728	0.000440302	0.000315933	0.000123652	0.121420383	2.15136E-06	0.00010993	0.000755288	0.001955178	0.000144932
2058 Apr	0.001113378	0.135844231	1.02613E-05	1.566109061	4.178866386	0.052892204	0.000331422	16.62045479	0.002100313	0.010340833	0.000441033	0.000316456	0.000123857	0.121622168	2.15492E-06	0.000110112	0.000756543	0.001958414	0.000145171
2058 May	0.001160625	0.140932545	1.02933E-05	1.625163913	4.614089489	0.056992292	0.000353793	18.89587021	0.002231049	0.010432697	0.00047909	0.000336935	0.000133851	0.128805459	2.15632E-06	0.000116764	0.000794405	0.001974599	0.000163087
2058 Jun	0.001183565	0.150342032	9.25688E-06	1.69937098	5.195477009	0.068316966	0.000346919	20.68139076	0.002276552	0.009755434	0.000584768	0.000342104	0.00014526	0.140609264	1.96626E-06	0.000118329	0.000877305	0.001816713	0.000178774
2058 Jul	0.001192358	0.149857566	9.34413E-06	1.712493658	5.179694653	0.067932799	0.000346915	20.73860931	0.002309389	0.00982822	0.000580482	0.000347755	0.000146428	0.140939996	2.00085E-06	0.000120387	0.000878462	0.001846592	0.000184875
2058 Aug	0.001220493	0.152866051	9.61304E-06	1.748589277	5.293273926	0.069044821	0.000356179	21.3570283	0.002375763	0.010077252	0.000590128	0.000357635	0.000150057	0.143923625	2.05409E-06	0.000123559	0.000894911	0.001897394	0.000190146
2058 Sep	0.001210606	0.149735615	9.6547E-06	1.72105813	5.227880001	0.066710256	0.000362327	21.37198067	0.00236155	0.010059573	0.000569162	0.000354151	0.000148164	0.141296968	2.05325E-06	0.000123172	0.000869069	0.001887772	0.000188846
2058 Oct	0.001208217	0.146740675	9.65589E-06	1.700754166	5.214544773	0.064726584	0.000374048	21.71959496	0.002370261	0.010040087	0.000551213	0.000352933	0.000147685	0.139634013	2.04802E-06	0.000124282	0.000845432	0.00187094	0.00019195
2058 Nov	0.001211	0.146644622	9.6721E-06	1.702166796	5.228916645	0.064635195	0.000376769	21.85373116	0.002379512	0.010055837	0.000550337	0.00035907	0.00014811	0.139800936	2.05099E-06	0.000124842	0.000844319	0.001872223	0.000193285
2058 Dec	0.001211476	0.14664863	9.67376E-06	1.702574611	5.23171854	0.064642556	0.000377101	21.87865448	0.002381509	0.010057423	0.000550407	0.00035415	0.000148211	0.139853522	2.05132E-06	0.000124941	0.000844381	0.001872521	0.000193553
2059 Jan	0.001211571	0.146640912	9.67398E-06	1.702600598	5.232324123	0.064638928	0.000377212	21.88582061	0.002381963	0.010057623	0.000550367	0.000354196	0.000148231	0.13986069	2.05134E-06	0.000124965	0.000844324	0.0018725	0.00019362
2059 Feb	0.001211612	0.146645546	9.67439E-06	1.702646017	5.232465744	0.064639673	0.000377238	21.88559151	0.002381979	0.010058089	0.00055036	0.000354195	0.000148231	0.139863744	2.05142E-06	0.000124968	0.000844332	0.001872536	0.000193617
2059 Mar	0.001211633	0.14664799	9.67461E-06	1.702669501	5.2325387	0.064640015	0.000377252	21.88572693	0.002381984	0.010058342	0.000550355	0.000354193	0.000148231	0.139865279	2.05146E-06	0.00012497	0.000844336	0.001872554	0.000193615
2059 Apr	0.001214023	0.146937504	9.6937E-06	1.706027269	5.242853165	0.064767465	0.000377998	21.92877579	0.002386669	0.010078202	0.000551437	0.000354889	0.000148522	0.140141055	2.0555E-06	0.000125216	0.000845999	0.00187624	0.000193994
2059 May	0.001227402	0.149064854	9.78777E-06	1.723189473	5.309033394	0.065616533	0.000385408	22.09243965	0.002395601	0.010201778	0.0005586	0.000354759	0.000149467	0.141734734	2.06923E-06	0.000125933	0.000853854	0.001882244	0.000192924
2059 Jun	0.001226523	0.155949056	9.72157E-06	1.743191838	5.287852287	0.069115117	0.000379776	20.80851555	0.002296424	0.010290197	0.000589455	0.000334343	0.000145955	0.144270375	2.03352E-06	0.00012027	0.000880952	0.00183287	0.00017075
2059 Jul	0.001277478	0.162588701	1.0138E-05	1.816568375	5.49987936	0.072062783	0.000394416	21.65726852	0.002396415	0.010726193	0.000614699	0.000349001	0.000152121	0.15037699	2.12011E-06	0.000125278	0.000919368	0.001913514	0.000177858
2059 Aug	0.001326644	0.168358922	1.05106E-05	1.884340644	5.717241764	0.074691616	0.000410825	22.64930725	0.002500637	0.011114055	0.000637287	0.000363681	0.000158468	0.156180158	2.19783E-06	0.000130562	0.000952369	0.001983884	0.00018668
2059 Sep	0.001337145	0.169139206	1.06279E-05	1.895180941	5.754312038	0.074766353	0.000417466	22.90213203	0.002524131	0.011222277	0.000637596	0.000366287	0.000159562	0.157058477	2.21851E-06	0.000131835	0.000954354	0.00199995	0.000188173
2059 Oct	0.001287282	0.158865243	1.03619E-05	1.794625998	5.459075928	0.068092637	0.000427325	21.94974136	0.002394736	0.010957262	0.00057688	0.000341342	0.000149833	0.147761747	2.15155E-06	0.000127646	0.000875298	0.001900206	0.000177588
2059 Nov	0.00128564	0.157386124	1.0343E-05	1.784508824	5.442196369	0.067123465	0.000433137	22.03478813	0.002394211	0.010945155	0.000567935	0.00033955	0.000149303	0.146912307	2.14649E-06	0.000128087	0.000863493	0.001887395	0.000178668

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.001286359	0.157369182	1.03439E-05	1.785041213	5.44686985	0.06713111	0.000433689	22.07920647	0.002397711	0.01094601	0.000568017	0.000339974	0.000149479	0.146993846	2.14672E-06	0.000128257	0.000863512	0.001887616	0.000179181
2060 Jan	0.001286465	0.15737614	1.03448E-05	1.785141468	5.447184563	0.067130849	0.000433768	22.08062553	0.002397826	0.010947109	0.000567999	0.000339977	0.000149483	0.147000775	2.1469E-06	0.000128269	0.000863511	0.001887692	0.000179188
2060 Feb	0.001286586	0.157390743	1.03458E-05	1.785299301	5.447624207	0.067135796	0.000433823	22.0820179	0.00239798	0.010948272	0.000568025	0.000339992	0.000149492	0.147013098	2.1471E-06	0.000128279	0.000863572	0.001887831	0.000179194
2060 Mar	0.001287028	0.157445595	1.03493E-05	1.785914779	5.449483871	0.06715928	0.000433972	22.08938217	0.002398788	0.010952035	0.000568217	0.000340105	0.000149542	0.147063896	2.14783E-06	0.000128322	0.00086387	0.001888466	0.000179252
2060 Apr	0.001290609	0.157883689	1.03781E-05	1.790884733	5.464663029	0.067346491	0.00043518	22.15103149	0.002405478	0.01098246	0.000569798	0.000341052	0.000149958	0.147473663	2.1538E-06	0.00012868	0.000866275	0.00189371	0.000179753
2060 May	0.001294798	0.160608858	1.03187E-05	1.801499605	5.48157692	0.068807043	0.000438551	21.80457878	0.002374333	0.011022459	0.000582433	0.000332358	0.000149037	0.148956224	2.13377E-06	0.000127257	0.000875601	0.001861899	0.000172713
2060 Jun	0.001247191	0.164420441	9.62935E-06	1.797915936	5.199749947	0.073429219	0.000384849	19.0990181	0.002231251	0.010509039	0.000625131	0.000307858	0.000143257	0.149602652	2.01627E-06	0.000117234	0.000911147	0.001758131	0.000152635
2060 Jul	0.001292794	0.170079052	9.98722E-06	1.865411043	5.373864174	0.076002792	0.000396342	19.78626633	0.002323279	0.010887384	0.000646944	0.000321364	0.000148822	0.15502286	2.09716E-06	0.00012195	0.00094528	0.001831788	0.000160298
2060 Aug	0.001302773	0.17088373	1.01871E-05	1.877536893	5.389996529	0.075850606	0.000401238	19.93322563	0.002346222	0.011025794	0.000645073	0.000324146	0.000149751	0.155660495	2.13319E-06	0.000122834	0.000945456	0.001861266	0.00016055
2060 Sep	0.001229891	0.15678519	9.9879E-06	1.757401586	5.007976055	0.067570239	0.000401493	18.9342308	0.00222073	0.010546935	0.000569744	0.000300695	0.000140097	0.144028932	2.07704E-06	0.000116769	0.000843733	0.001775101	0.000150677
2060 Oct	0.001219258	0.150819167	9.91829E-06	1.719958425	4.961594582	0.064130217	0.000418395	19.38457489	0.002226212	0.010422985	0.000538199	0.000296999	0.000139029	0.140818968	2.05944E-06	0.000118106	0.000800312	0.001736057	0.000156247
2060 Nov	0.001216143	0.148641929	9.88865E-06	1.706130981	4.951353073	0.062851831	0.000425377	19.57422066	0.002227277	0.010383278	0.000526482	0.000295643	0.000138619	0.139635444	2.05239E-06	0.000118715	0.000784408	0.001720899	0.000158451
2060 Dec	0.001217779	0.148634896	9.89154E-06	1.707532048	4.962130547	0.06288743	0.000426487	19.67097473	0.002235018	0.010385633	0.000526832	0.00029662	0.000139019	0.139832288	2.0531E-06	0.00011908	0.000784677	0.001721732	0.000159562
2061 Jan	0.001218105	0.148618624	9.89173E-06	1.707735658	4.964441299	0.062887661	0.000426769	19.69351387	0.002236712	0.010385673	0.00052683	0.000296824	0.000139103	0.139867648	2.05316E-06	0.000119163	0.000784635	0.001721777	0.00015982
2061 Feb	0.001218173	0.148618013	9.89197E-06	1.707785368	4.964836121	0.062887415	0.000426831	19.69674301	0.002236937	0.010385937	0.000526812	0.000296845	0.000139113	0.139873698	2.05321E-06	0.000119176	0.000784621	0.001721781	0.000159853
2061 Mar	0.001218406	0.148644254	9.89381E-06	1.708098888	4.965798855	0.062898144	0.000426926	19.7008419	0.002237367	0.010387885	0.000526893	0.000296899	0.000139139	0.139899582	2.05359E-06	0.0001192	0.000784751	0.001722079	0.000159886
2061 Apr	0.001221661	0.149041578	9.92023E-06	1.712661982	4.979059696	0.063066237	0.000428068	19.75336266	0.002243332	0.01041564	0.000528296	0.000297689	0.00013951	0.140273333	2.05907E-06	0.000119518	0.000786846	0.00172667	0.000160311
2061 May	0.001244288	0.152885079	9.85654E-06	1.750643015	5.161626339	0.066050306	0.000433154	20.40135574	0.002285564	0.010441747	0.000555348	0.000303334	0.000143648	0.144473791	2.05184E-06	0.000121778	0.000813877	0.001721228	0.000166199
2061 Jun	0.00120616	0.151026994	8.96307E-06	1.737270236	5.064221859	0.069064662	0.000385715	19.61663818	0.00225162	0.009710989	0.000585403	0.000303603	0.00014378	0.14445883	1.92686E-06	0.000119109	0.000839159	0.001635832	0.000175686
2061 Jul	0.001244071	0.155565947	9.29116E-06	1.792205691	5.208333492	0.07104072	0.000394214	20.25687981	0.002335491	0.010038889	0.000602272	0.000317051	0.000148607	0.148806229	1.99976E-06	0.00012325	0.000868131	0.001707645	0.000182922
2061 Aug	0.001292057	0.160999835	9.63536E-06	1.858290434	5.416844845	0.073586434	0.000410615	21.23876381	0.002440394	0.010400648	0.000624112	0.000331123	0.000154927	0.154521763	2.07314E-06	0.00012854	0.000899019	0.001771625	0.00019232
2061 Sep	0.001303399	0.16146338	9.75371E-06	1.867955208	5.476970673	0.073640816	0.000416878	21.75994492	0.002482971	0.010489154	0.000624799	0.000337567	0.000156976	0.155516416	2.09343E-06	0.000130447	0.000901782	0.001794312	0.00019676
2061 Oct	0.001264743	0.152304187	9.61701E-06	1.777935982	5.324523926	0.067743778	0.000425228	21.7669239	0.002413051	0.010278981	0.000572844	0.000328271	0.000150968	0.147533342	2.04672E-06	0.000128411	0.000838682	0.001745624	0.000193688
2061 Nov	0.001256342	0.149192646	9.58161E-06	1.751060486	5.289459229	0.065693371	0.000432523	21.89492798	0.002399428	0.010234182	0.000554459	0.000325441	0.000149398	0.145180464	2.03421E-06	0.000128507	0.000816003	0.001727028	0.00019429
2061 Dec	0.001257473	0.149185359	9.58383E-06	1.751963258	5.296916008	0.065713562	0.00043331	21.96212769	0.002404716	0.010236165	0.000554662	0.000326113	0.000149669	0.145310819	2.03472E-06	0.000128758	0.000816163	0.001727625	0.00019505
2062 Jan	0.001258042	0.149176687	9.58457E-06	1.75239265	5.300840378	0.065723285	0.00043372	21.99810791	0.002407511	0.010236768	0.000554754	0.000326468	0.00014981	0.145377368	2.03489E-06	0.00012889	0.000816228	0.00172787	0.000195458
2062 Feb	0.001258248	0.149189144	9.58555E-06	1.752614141	5.301949024	0.065730534	0.000433832	22.00580978	0.002408155	0.010237839	0.000554804	0.000326549	0.000149844	0.145400971	2.03509E-06	0.000128922	0.000816306	0.001728044	0.000195537
2062 Mar	0.001259254	0.149306342	9.59309E-06	1.754001021	5.306231499	0.065782443	0.000434188	22.0240828	0.002410114	0.010245911	0.000555234	0.000326812	0.000149965	0.145517066	2.03669E-06	0.000129027	0.000816947	0.001729395	0.0001957
2062 Apr	0.001262815	0.149729416	9.6202E-06	1.758965373	5.321238518	0.065969035	0.000435414	22.08626366	0.002416925	0.010274881	0.000556805	0.000327735	0.000150388	0.145929098	2.04244E-06	0.000129391	0.000819262	0.00173428	0.000196252
2062 May	0.001272933	0.15091753	9.69655E-06	1.7730093	5.364148617	0.066496126	0.000438929	22.26798439	0.002436639	0.010356397	0.000561259	0.000330404	0.000151609	0.147100836	2.05866E-06	0.000130441	0.000825793	0.001748085	0.000197884
2062 Jun	0.0010856	0.12270955	9.39707E-06	1.481106639	4.335587978	0.048285622	0.000374201	18.45934486	0.002078555	0.009635681	0.000398673	0.000305782	0.000123671	0.116551861	1.98747E-06	0.00011393	0.000678792	0.001761424	0.000166818
2062 Jul	0.000985961	0.107079543	9.2675E-06	1.332150221	3.753935337	0.038565703	0.000330173	16.46583176	0.001923781	0.009228753	0.00031223	0.000300697	0.000110182	0.10040997	1.9703E-06	0.000106232	0.000606216	0.001800618	0.000156367
2062 Aug	0.000977591	0.105031349	9.41917E-06	1.308339596	3.670088291	0.036449961	0.000328152	16.32144928	0.001909593	0.009254926	0.000294435	0.000298505	0.000108281	0.097782858	1.98957E-06	0.00010491	0.00058324	0.001811912	0.000152965
2062 Sep	0.000973568	0.101328962	9.39357E-06	1.285914779	3.647527933	0.034197155	0.000342925	16.63485146	0.001910367	0.009165258	0.000273974	0.000292164	0.000107698	0.095946066	1.97816E-06	0.000105446	0.000546967	0.001769223	0.000155465
2062 Oct	0.000981832	0.089710668	8.84091E-06	1.240560055	3.618661165	0.028250732	0.00040495	17.50615501	0.001911955	0.008849255	0.000217072	0.000265833	0.000106152	0.092516087	1.89706E-06	0.000111875	0.000442395	0.001556587	0.000174738
2062 Nov	0.000987734	0.089566827	8.85685E-06	1.24321878	3.633691549	0.027988285	0.000412375	17.63295937	0.001919131	0.008891266	0.000214246	0.000264636	0.000106368	0.092771418	1.90037E-06	0.000112772	0.000437704	0.001548819	0.00017596
2062 Dec	0.00098912	0.089584574	8.8596E-06	1.244450927	3.642377377	0.028026592	0.000413282	17.70894814	0.001925319	0.008894172	0.000214614	0.000265393	0.000106687	0.092942089	1.90098E-06	0.000113059	0.000438023	0.001549477	0.000176813
2063 Jan	0.000989637	0.089591637	8.86046E-06	1.244902849	3.645673513	0.028041167	0.000413632	17.73709106	0.001927566	0.008895208	0.000214743	0.000265662	0.000106804	0.09300559	1.90116E-06	0.000113165	0.000438133	0.001549657	0.000177126
2063 Feb	0.000989813	0.089603461	8.86137E-06	1.245094419	3.646530867	0.028047064	0.000413731	17.7427063	0.001928051	0.008896249	0.000214781	0.000265716	0.000106829	0.093025118	1.90134E-06	0.00011319	0.000438193	0.001549786	0.000177182
2063 Mar	0.000990005	0.089622229	8.86305E-06	1.245336771	3.647222519	0.028052978	0.000413816	17.74574852	0.001928385	0.00889801	0.000214819	0.000265758	0.000106847	0.093043439	1.9017E-06	0.000113211	0.000438278	0.001550057	0.000177209
2063 Apr	0.000991532	0.089761332	8.87669E-06	1.247259498	3.652844429	0.028096685	0.000414454	17.7729435	0.001931344	0.008911741	0.000215151	0.000266164	0.000107011	0.093187295	1.90462E-06	0.000113385	0.000438956	0.001550435	0.000177479
2063 May	0.001016689	0.096594781	8.97347E-06	1.297430992	3.754829884	0.031786662	0.000416633	17.60009766	0.001940421	0.009118173	0.000247644	0.000264228	0.000108986	0.098030321	1.92017E-06	0.000113418	0.000475304	0.001559762	0.000172144
2063 Jun	0.001042144	0.126847923	8.47227E-06	1.48644495	3.935635567	0.05344319	0.000323553	15.01990604	0.001921552	0.009028884	0.000445579	0.000265607	0.00011663	0.118381292	1.83885E-06	0.000103551	0.000702044	0.001574476	0.00014612
2063 Jul	0.001017929	0.121517412	8.48863E-06	1.449327588	3.806928873	0.050497595	0.000308716	14.94473553	0.001925877	0.008910079	0.000419623	0.000275239	0.000115119	0.114061557	1.85355E-06	0.00010347	0.000686192	0.001621414	0.000151581
2063 Aug	0.001053885	0.125249416	8.81232E-06	1.496694207	3.946684837	0.051932611	0.000320911	15.67015648	0.002007899	0.009222122	0.000431663	0.000287151	0.000119643	0.117892213	1.92099E-06	0.00010756	0.000707246	0.001683433	0.000158627
2063 Sep	0.001055908	0.12407276	8.96835E-06	1.489854097	3.960554123	0.050768632	0.000326862	16.07865334	0.002033071	0.009289871	0.000421365	0.000291729	0.000120299	0.117163546	1.94298E-06	0.000108498	0.000697801	0.001708282	0.000160618
2063 Oct	0.001053191	0.12078312	8.97661E-06	1.466866493	3.995898247	0.048796665	0.000339595	16.76288986	0.002051912	0.009242282	0.00040396	0.00029385	0.000120712	0.115492217	1.93488E-06	0.000109889	0.000674467	0.001697133	0.000165586
2063 Nov	0.00105596	0.120452896	8.99319E-06	1.466741562	4.017268181	0.048591413	0.000343311	16.98094368	0.002064618	0.00925219	0.000402127	0.000295371	0.000121298	0.11558713	1.93696E-06	0.000110606	0.000671977	0.001698108	0.000167572
2063 Dec	0.001057281	0.120489463	8.99787E-06	1.468023062	4.025263786	0.048630264	0.00034408	17.04646873	0.002070024	0.009256496	0.000402488	0.000296074	0.000121583	0.115743592	1.93797E-06	0.000110859	0.000672382	0.001699196	0.0001683
2064 Jan	0.00105798	0.120486595	8.9989E-06	1.468593836	4.030211926	0.048647664	0.000344553	17.09030151	0.002073439	0.009257192	0.000402654	0.000296516	0.00012176	0.115829431	1.9382E-06	0.000111015	0.000672518	0.001699551	0.000168793
2064 Feb	0.001058284	0.120502286	9.0003E-06	1.468917608	4.031944752	0.048658367	0.000344714	17.10292053	0.002074494	0.009258565	0.000402737	0.000296654	0.000121817	0.11586488	1.9385E-06	0.000111065	0.000672636	0.001699839	0.000168928
2064 Mar	0.001059279	0.120614	9.00855E-06	1.470290303	4.035820484	0.048704557	0.000345044	17.12003708	0.002076513	0.009267058	0.000403114	0.00029694	0.000121934	0.115975052	1.94027E-06	0.000111172	0.000673265	0.001701399	0.000169098
2064 Apr	0.00106105	0.120816097	9.02356E-06	1.472750545	4.042581558	0.048786495	0.00034562	17.14871979	0.00207999	0.009282517	0.00040379	0.000297436	0.000122138	0.116169527	1.94351E-06	0.000111357	0.000674394	0.001704234	0.000169381
2064 May	0.001098076	0.127742946	9.11704E-06	1.530972123	4.326550007	0.053137694	0.000356634	18.14081573	0.002141331	0.009451088	0.000443297	0.0003058	0.000128056	0.122518398	1.95369E-06	0.00011403	0.000715539	0.001718524	0.000173299
2064 Jun	0.001149321	0.145013228	8.75381E-06	1.659921408	4.807573318	0.066176958	0.000343209	18.82964897	0.00219882	0.00938387	0.000562793	0.000311596	0.000138697	0.137403056	1.88574E-06	0.00011441	0.000831952	0.001672454	0.000174229
2064 Jul	0.001169112	0.148314849	9.03442E-06	1.688735008	4.859578609	0.067195386	0.000344527	18.97611237	0.00223465	0.009637225	0.000571812	0.000318527	0.00014051	0.13947545	1.93873E-06	0.000115698	0.000850291	0.001728899	0.000174057
2064 Aug	0.001177423	0.148672044	9.22822E-06	1.690514326	4.871378422	0.066577308	0.000347518	19.19116783	0.002253863	0.009762989	0.000567043	0.000321461	0.000141004	0.139344171	1.97005E-06	0.00011628	0.000845254	0.001755101	0.000174266
2064 Sep	0.00116263	0.14152433	9.25742E-06	1.637440324	4.813640594	0.061939988	0.000364604	19.76055717	0.002251217	0.009630755	0.000526023	0.000316562	0.00013928	0.134612128	1.96089E-06	0.000116653	0.000785362	0.001718141	0.000177963
2064 Oct	0.00117629	0.13987276	9.30683E-06	1.638688684	4.906952381	0.061057646	0.000381839	20.76218605	0.002314716	0.009654686	0.000518112	0.00032311	0.000142233	0.135247871	1.96843E-06	0.00012017	0.000772613	0.001715938	0.000188335
2064 Nov	0.001182837	0.14020358	9.33137E-06	1.645848751	4.944870949	0.061328836	0.000385062	21.05213737	0.002339882	0.009678632	0.000520602	0.000326411	0.00014359	0.136073083	1.9739E-06	0.000121315	0.000775532	0.001721877	0.000191586
2064 Dec	0.001183683	0.140230075	9.3339E-06	1.646692634	4.950068474	0.061358385	0.000385534	21.09448814	0.002343416	0.009681008	0.000520879	0.000326868	0.000143777	0.136178106	1.97447E-06	0.000121477	0.000775828	0.001722519	0.000192064
2065 Jan	0.001184165	0.140224487	9.33444E-06	1.647069216	4.953522205	0.061368875	0.000385871	21.12524605	0.002345777	0.009681333	0.000520979	0.00032717	0.0001439	0.136235967	1.9746E-06	0.000121586	0.000775896	0.001722719	0.000192412
2065 Feb	0.00118446	0.140242085	9.3358E-06	1.647396445	4.955183029	0.061380479	0.000386019	21.13684273	0.002346756	0.009682689	0.000521075	0.000327298	0.000143954	0.136270985	1.97489E-06	0.000121632	0.000776021	0.001722993	0.000192536
2065 Mar	0.001185672	0.140385568	9.34528E-06	1.649082065	4.960272789	0.061443686	0.000386415	21.15866852	0.002349173	0.009692538	0.000521608	0.000327634	0.000144102	0.136410996	1.9769E-06	0.000121757	0.000776816	0.001724743	0.000192735
2065 Apr	0.001189173	0.140800491	9.37286E-06	1.653952718	4.974917412	0.061625402	0.000387554	21.22107124	0.002356105	0.009721149	0.000523148	0.000328601	0.000144527	0.136813998	1.98273E-06	0.000122116	0.000779112	0.001729831	0.000193303
2065 May	0.00122066	0.143198818	9.49605E-06	1.684919596	5.231814861	0.062950417	0.000410254	22.52440643	0.002413418	0.009871018	0.00053485	0.000336436	0.000149202	0.140132844	2.00025E-06	0.000126097	0.000788593	0.001738661	0.00020125
2065 Jun	0.001199165	0.147057503	9.06252E-06	1.698755383	5.162026405	0.066851765	0.000378921	21.05278778	0.002316446	0.009610641	0.000569845	0.00032517	0.000146492	0.141582161	1.93314E-06	0.000120983	0.000827204	0.001691734	0.000189862
2065 Jul	0.001237066	0.150499061	9.37935E-06	1.751286149	5.301996708	0.068342634	0.000388787	21.8379422	0.002414807	0.009918266	0.00058212	0.000340995	0.000151776	0.145626873	2.00881E-06	0.000126007	0.000852247	0.001766762	0.000200718
2065 Aug	0.001277054	0.154629394	9.71717E-06	1.803377151	5.476686001	0.070073128	0.000403342	22.76688957	0.002509327	0.010241453	0.000596904	0.000354529	0.00015717	0.15005593	2.07758E-06	0.000130621	0.000875619	0.001830517	0.000209156
2065 Sep	0.00123693	0.145996779	9.64816E-06	1.720754862	5.28153991	0.064340584	0.000410533	22.4268589	0.00243041	0.010067545	0.000545214	0.000342543	0.000150631	0.142298788	2.04513E-06	0.000127774	0.000814057	0.001790047	0.00020262
2065 Oct	0.001187001	0.128740013	9.34469E-06	1.579241872	4.984547615	0.053037412	0.000452857	22.22859955	0.002307218	0.009798571	0.000441256	0.000313536	0.00013943	0.129218996	1.9691E-06	0.000127034	0.000681972	0.001647545	0.00020054
2065 Nov	0.001186543	0.12607044	9.31296E-06	1.564059258	4.961403847	0.051250365	0.000464625	22.37587547	0.002304639	0.009793493	0.000424458	0.000310175	0.000138484	0.127738714	1.96461E-06	0.000128187	0.000660518	0.001625291	0.00020316
2065 Dec	0.00118711	0.126066148	9.31458E-06	1.564461946	4.964682102	0.051253263	0.000465073	22.40588951	0.002306976	0.009795335	0.000424485	0.000310442	0.000138599	0.127795637	1.96494E-06	0.000128304	0.000660516	0.001625503	0.000203489
2066 Jan	0.001187907	0.12606293	9.31562E-06	1.565097332	4.970015049	0.051271498	0.000465623	22.45381546	0.002310774	0.009796347	0.000424655	0.000310916	0.000138793	0.1278916	1.96519E-06	0.000128479	0.000660653	0.001625831	0.000204038
2066 Feb	0.001188379	0.12610516	9.31868E-06	1.56567812	4.972198963	0.051291171	0.000465832	22.4659977	0.002311913	0.009799619	0.000424808	0.000311062	0.000138857	0.127944365	1.96583E-06	0.000128538	0.000660889	0.001626369	0.000204158
2066 Mar	0.00119022	0.126302138	9.33308E-06	1.568111539	4.979904175	0.051371738	0.00046655	22.50060081	0.002315486	0.009814789	0.000425468	0.000311541	0.000139072	0.128143549	1.96887E-06	0.000128736	0.000661922	0.00162888	0.000204472
2066 Apr	0.001192623	0.126558095	9.3519E-06	1.571282387	4.989961624	0.051476102	0.00046749	22.54592133	0.002320156	0.0098346	0.000426329	0.000312169	0.000139352	0.128402874	1.97284E-06	0.000128995	0.000663264	0.001632164	0.000204883
2066 May	0.00120202	0.127756178	9.43259E-06	1.583601594	5.022842407	0.051872242	0.000471796	22.63371086	0.002330603	0.009929203	0.000429443	0.000313101	0.000140028	0.129357874	1.98861E-06	0.00012975	0.000668217	0.001642896	0.000205032
2066 Jun	0.001086454	0.119883321	8.95114E-06	1.46762085	4.316358566	0.047820173	0.000391979	18.5722065	0.002074208	0.009379512	0.000393748	0.000291001	0.00012332	0.116791226	1.91004E-06	0.000115177	0.000650483	0.00163361	0.000174629
2066 Jul	0.001095843	0.119622782	9.29182E-06	1.47964704	4.297232151	0.046863258	0.000386087	18.82706261	0.002135299	0.009600517	0.000384731	0.000307942	0.000125108	0.116498053	1.98759E-06	0.000117667	0.000660976	0.001736611	0.000181371
2066 Aug	0.001130764	0.122807443	9.62709E-06	1.522118568	4.438352585	0.047929574	0.000398812	19.65804291	0.002221088	0.009907926	0.000393719	0.000320958	0.000129658	0.119921938	2.0557E-06	0.00012189	0.000678826	0.001801454	0.000189222
2066 Sep	0.001131996	0.121448874	9.72561E-06	1.512600899	4.45413065	0.046762411	0.000404367	20.03421974	0.002237989	0.009946248	0.000383615	0.000324206	0.000130012	0.119014829	2.06875E-06	0.000122724	0.00066808	0.001815222	0.000191434
2066 Oct	0.001125485	0.117343396	9.69876E-06	1.479607821	4.469696045	0.04423973	0.000417131	20.66873169	0.002245439	0.009872038	0.000361638	0.000324439	0.000129592	0.116495661	2.05257E-06	0.000123745	0.000638144	0.001793948	0.000195768

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.001125896	0.116258509	9.68833E-06	1.472280383	4.487710953	0.043579102	0.000422869	20.91561699	0.002250642	0.009859282	0.000355769	0.000324523	0.000129708	0.115998864	2.04788E-06	0.00012437	0.000629633	0.001785532	0.000197673
2066 Dec	0.001127091	0.11630024	9.69328E-06	1.473437071	4.494504929	0.043612551	0.000423558	20.97050858	0.002255222	0.009864126	0.000356076	0.000325109	0.000129947	0.116135433	2.04892E-06	0.000124585	0.00063	0.001786564	0.00019827
2067 Jan	0.001127589	0.116307437	9.69458E-06	1.473864555	4.497699738	0.043625176	0.00042388	20.99755478	0.002257357	0.009865368	0.000356188	0.000325378	0.000130057	0.116193563	2.04919E-06	0.000124684	0.000630111	0.001786859	0.000198566
2067 Feb	0.001127965	0.116341576	9.69728E-06	1.474330068	4.499406338	0.043640144	0.000424039	21.00702477	0.00225826	0.009868154	0.000356301	0.000325501	0.000130107	0.116234496	2.04976E-06	0.000124731	0.000630306	0.001787357	0.00019866
2067 Mar	0.001128826	0.116431765	9.70464E-06	1.475460768	4.502845287	0.04367435	0.000424361	21.02285957	0.002259968	0.009875676	0.000356574	0.000325746	0.000130205	0.116323948	2.05131E-06	0.000124825	0.000630793	0.001788708	0.000198808
2067 Apr	0.001130689	0.11662478	9.72062E-06	1.477899671	4.510278225	0.043747056	0.000425059	21.0574398	0.002263691	0.009891959	0.000357164	0.000326282	0.00013042	0.116516456	2.05469E-06	0.000125031	0.000631839	0.001791653	0.000199135
2067 May	0.001147	0.121180013	9.84344E-06	1.506607175	4.590725899	0.045761332	0.000429515	20.90441895	0.002247564	0.010075998	0.000374717	0.000322612	0.00013076	0.119054243	2.07036E-06	0.000124477	0.000651356	0.001798443	0.000192177
2067 Jun	0.001150898	0.138453275	9.57478E-06	1.588086724	4.659650803	0.056972638	0.000388289	18.8796463	0.002139863	0.010059419	0.000477162	0.000303577	0.000130346	0.12854369	1.99607E-06	0.0001149	0.000756115	0.001749419	0.000160602
2067 Jul	0.001199864	0.144599259	9.98055E-06	1.656997323	4.861138344	0.059710413	0.0004016	19.7883606	0.002247001	0.010470961	0.000500876	0.000319408	0.000136639	0.134386212	2.08014E-06	0.000119929	0.00079268	0.001830643	0.000168901
2067 Aug	0.001223693	0.147328481	1.02237E-05	1.684521675	4.959666252	0.060639754	0.000406686	20.35486221	0.002303605	0.010674312	0.000509978	0.000328065	0.000139746	0.1367421	2.12561E-06	0.000122193	0.000805146	0.001874189	0.000172967
2067 Sep	0.001232676	0.146795496	1.02998E-05	1.686573863	5.017198086	0.060175985	0.000414522	20.90473557	0.00233641	0.010706464	0.000506329	0.000331781	0.000141406	0.137054846	2.13802E-06	0.000123821	0.000797513	0.00187915	0.000177768
2067 Oct	0.001211236	0.139207065	1.00942E-05	1.624264002	4.951567173	0.055795737	0.00043025	21.23395538	0.002298519	0.010469588	0.000467618	0.000321649	0.000138211	0.131859124	2.08895E-06	0.00012361	0.000738794	0.001803003	0.000180509
2067 Nov	0.001211676	0.137724742	1.00724E-05	1.615314007	4.959055901	0.054888669	0.000437622	21.46692657	0.002303741	0.01045195	0.000459385	0.00032071	0.000138165	0.131198287	2.08323E-06	0.000124392	0.000726613	0.00178878	0.000182835
2067 Dec	0.00121307	0.137776181	1.00779E-05	1.616670132	4.966955662	0.054929208	0.000438426	21.52921867	0.002308923	0.010457513	0.000459754	0.000321361	0.000138438	0.131357357	2.0844E-06	0.000124636	0.000727032	0.001789875	0.000183518
2068 Jan	0.001213826	0.137784556	1.00795E-05	1.617320538	4.971827507	0.054949395	0.000438911	21.57091331	0.002312253	0.010459033	0.000459937	0.000321778	0.000138611	0.131447479	2.08475E-06	0.000124789	0.000727201	0.001790267	0.000183989
2068 Feb	0.001214165	0.13781403	1.00817E-05	1.617723942	4.973425388	0.054962844	0.000439069	21.5800705	0.002313079	0.010461366	0.000460037	0.000321882	0.000138656	0.131484851	2.0852E-06	0.000124831	0.000727358	0.001790634	0.000184076
2068 Mar	0.001215827	0.138003647	1.00954E-05	1.619940996	4.980229378	0.055038635	0.00043967	21.60937119	0.002316223	0.010475677	0.000460663	0.000322317	0.000138844	0.1316652	2.08804E-06	0.000125001	0.000728356	0.001793066	0.000184324
2068 Apr	0.001222454	0.138756752	1.01504E-05	1.628775239	5.007376671	0.055339281	0.000442064	21.72704315	0.002328843	0.010532765	0.000463175	0.000324073	0.000139601	0.132383451	2.09942E-06	0.000125682	0.000732331	0.001802832	0.000185328
2068 May	0.001235922	0.143189594	1.01687E-05	1.65970397	5.077054024	0.057910256	0.000441881	21.56121254	0.002324474	0.010626798	0.000485926	0.000321626	0.000140654	0.135444343	2.10073E-06	0.000125247	0.000756424	0.001799962	0.000181012
2068 Jun	0.001163737	0.145088747	8.97846E-06	1.648469567	4.805639744	0.064467192	0.000364051	19.08607292	0.002207853	0.009631788	0.000547475	0.000306603	0.000137513	0.136757165	1.90546E-06	0.000115177	0.000811964	0.001666078	0.000171753
2068 Jul	0.001166172	0.144418642	9.22474E-06	1.646495461	4.796816826	0.063428544	0.000360231	19.39017487	0.002248051	0.009769551	0.000538488	0.000318857	0.000138492	0.135926783	1.95264E-06	0.000116433	0.00081571	0.001737621	0.000175483
2068 Aug	0.001211336	0.149193555	9.60374E-06	1.705126524	4.988319397	0.065393724	0.000375689	20.37128258	0.002350468	0.0101394	0.000555341	0.000333655	0.000144349	0.140849173	2.03072E-06	0.000121479	0.000842478	0.001809413	0.000184613
2068 Sep	0.001205551	0.146228522	9.6976E-06	1.681254506	4.957060814	0.063040331	0.000382101	20.55652809	0.002342909	0.010153899	0.000534434	0.000332976	0.00014305	0.138299331	2.04231E-06	0.000121581	0.000818023	0.001813946	0.000184736
2068 Oct	0.001207809	0.144469425	9.74217E-06	1.671500564	4.975332737	0.061787512	0.000390722	20.95413589	0.002359467	0.010169406	0.000523232	0.000334687	0.000143406	0.137451977	2.04793E-06	0.000122815	0.000804152	0.00181365	0.000188262
2068 Nov	0.001211694	0.144676104	9.76705E-06	1.675447106	4.99471283	0.061875187	0.000392865	21.09060669	0.002370921	0.01019374	0.000523975	0.000336168	0.000144013	0.137837753	2.05299E-06	0.000123398	0.000805281	0.001817946	0.00018965
2068 Dec	0.001212442	0.144736558	9.77148E-06	1.676343441	4.998347282	0.061907455	0.000393187	21.11408997	0.002373129	0.010198294	0.000524258	0.000336458	0.000144134	0.137925908	2.05393E-06	0.000123502	0.00080567	0.001818821	0.000189897
2069 Jan	0.001212945	0.144740701	9.77256E-06	1.676763535	5.001598358	0.061921075	0.000393503	21.1434536	0.002375517	0.010199194	0.000524386	0.000336759	0.000144256	0.137987524	2.05416E-06	0.000123606	0.000805791	0.001819126	0.000190226
2069 Feb	0.001213257	0.144759014	9.77398E-06	1.677100301	5.003318787	0.061933424	0.000393657	21.15614891	0.002376618	0.010200613	0.000524488	0.000336901	0.000144314	0.138025135	2.05446E-06	0.000123656	0.000805927	0.001819424	0.000190361
2069 Mar	0.001213392	0.144771859	9.77489E-06	1.677268386	5.003951073	0.061939508	0.000393712	21.15970802	0.002376955	0.010201553	0.000524535	0.000336945	0.000144332	0.138040602	2.05464E-06	0.000123672	0.000806001	0.001819591	0.000190396
2069 Apr	0.00121504	0.144968539	9.78815E-06	1.679546595	5.010757923	0.062023718	0.000394248	21.18852043	0.002380186	0.010215401	0.000525245	0.000337403	0.000144528	0.138228267	2.05743E-06	0.00012384	0.000807095	0.001822057	0.000190655
2069 May	0.001230705	0.146800622	9.92146E-06	1.700422883	5.07581377	0.062736355	0.000399979	21.45586014	0.002408003	0.010353748	0.000531201	0.000341309	0.000146242	0.139905259	2.08461E-06	0.000125382	0.000816474	0.00184517	0.000192686
2069 Jun	0.001096599	0.131178617	9.64185E-06	1.511645436	4.393451691	0.052541874	0.000350233	18.20405579	0.002095263	0.00982995	0.000440162	0.000313124	0.000125441	0.120363981	2.007E-06	0.000110411	0.000731717	0.001823146	0.000157917
2069 Jul	0.001091268	0.128605634	9.84395E-06	1.498648047	4.32171011	0.050436396	0.000345577	18.2597227	0.002119551	0.009924524	0.000420826	0.000323167	0.000125056	0.11809063	2.05249E-06	0.00011148	0.00072555	0.001889179	0.000161814
2069 Aug	0.001105978	0.129207343	1.008E-05	1.511572123	4.369936943	0.050080657	0.000352103	18.69800568	0.002161727	0.01009856	0.000417474	0.000330532	0.000126837	0.118781023	2.09755E-06	0.000113472	0.000727047	0.001933325	0.000165462
2069 Sep	0.001078814	0.121451467	9.90973E-06	1.448822379	4.240698814	0.045471113	0.000364603	18.62228203	0.002108266	0.009877888	0.00037568	0.000318073	0.000122486	0.113087304	2.05727E-06	0.000112325	0.000668263	0.001865597	0.000164871
2069 Oct	0.001051434	0.10938473	9.53355E-06	1.362569213	4.035289764	0.038105756	0.000402176	18.37374115	0.00202033	0.009606759	0.000306935	0.0002893	0.000115112	0.105241187	1.98489E-06	0.000112617	0.00056704	0.001709276	0.000165908
2069 Nov	0.001053881	0.107701309	9.50675E-06	1.354109287	4.009541035	0.036781874	0.000414936	18.35977554	0.002010089	0.009631076	0.000293999	0.000283033	0.000113941	0.104358725	1.98087E-06	0.000113434	0.000548299	0.001680058	0.000166331
2069 Dec	0.001054648	0.107716285	9.50943E-06	1.354759574	4.013667583	0.036795121	0.000415465	18.39460754	0.002012949	0.009634124	0.000294115	0.000283356	0.000114085	0.104440212	1.98142E-06	0.000113573	0.000548405	0.001680441	0.000166716
2070 Jan	0.001054767	0.107715271	9.50971E-06	1.354822755	4.014175415	0.036793403	0.000415591	18.39915848	0.002013275	0.00963472	0.000294084	0.000283369	0.000114098	0.104449555	1.98146E-06	0.000113593	0.000548359	0.001680359	0.000166761
2070 Feb	0.001054823	0.107718319	9.50988E-06	1.35486865	4.014385223	0.036794219	0.000415643	18.40044403	0.002013369	0.00963508	0.000294074	0.000283366	0.000114101	0.104454875	1.98148E-06	0.0001136	0.000548354	0.001680318	0.00016677
2070 Mar	0.001055344	0.107771873	9.5145E-06	1.355533838	4.016336441	0.036812223	0.000415857	18.40916061	0.002014325	0.009639863	0.000294208	0.000283494	0.000114155	0.104506359	1.98244E-06	0.000113655	0.000548615	0.001681102	0.000166846
2070 Apr	0.001058457	0.108092032	9.54237E-06	1.359543324	4.028224468	0.036923155	0.000417079	18.46351814	0.002020278	0.009668161	0.000295083	0.000284329	0.000114492	0.104817025	1.98825E-06	0.000113989	0.00055025	0.001686024	0.000167338
2070 May	0.001080187	0.113579527	9.61106E-06	1.402471423	4.099509716	0.039876293	0.000420238	18.25386429	0.002027449	0.009839707	0.000320643	0.000281359	0.000115984	0.108865067	2.00168E-06	0.000114211	0.000577975	0.001686206	0.000163171
2070 Jun	0.001118858	0.132331133	9.29411E-06	1.535483479	4.272636414	0.052905563	0.000391656	17.02569962	0.002034337	0.009881936	0.000437783	0.000272628	0.000121657	0.123181306	1.95088E-06	0.000110974	0.000698077	0.001637732	0.000150059
2070 Jul	0.001151798	0.137606665	9.61005E-06	1.586372972	4.400839329	0.055264499	0.000396822	17.48106194	0.002102324	0.010197778	0.000458458	0.000283642	0.00012573	0.127489284	2.01306E-06	0.000113684	0.000730594	0.001704365	0.000153074
2070 Aug	0.001180883	0.14128527	9.89085E-06	1.624846935	4.51391077	0.05667777	0.000404275	18.0109005	0.002163831	0.010460777	0.000471033	0.000292681	0.00012923	0.13068752	2.06785E-06	0.000116366	0.000749728	0.001755851	0.000156939
2070 Sep	0.001158871	0.136542633	9.80785E-06	1.57656157	4.423202515	0.053616457	0.000407867	17.87942505	0.002113492	0.010314352	0.000444365	0.000283872	0.000125669	0.126376733	2.03957E-06	0.000114388	0.000711154	0.001715699	0.000153221
2070 Oct	0.001139523	0.12968263	9.64777E-06	1.520853877	4.308635235	0.049238537	0.00042466	17.78207016	0.002060576	0.010174059	0.000404379	0.000270516	0.000121248	0.121283993	2.00335E-06	0.000113977	0.0006561	0.00164609	0.000152623
2070 Nov	0.001141695	0.128957674	9.63859E-06	1.518938065	4.31746006	0.048841171	0.000429093	17.95628166	0.002071281	0.010170717	0.000400675	0.000270983	0.000121603	0.121191278	2.00269E-06	0.000114777	0.000650792	0.001640564	0.000155065
2070 Dec	0.001142319	0.128954247	9.63982E-06	1.519398689	4.321396828	0.048850928	0.000429544	17.99184036	0.002074087	0.010171978	0.000400771	0.00027132	0.000121745	0.121260434	2.00295E-06	0.000114907	0.000650852	0.00164081	0.000155469
2071 Jan	0.001142455	0.128951862	9.64012E-06	1.519480228	4.322197914	0.048850764	0.000429663	17.99912262	0.002074627	0.010172379	0.000400761	0.000271376	0.000121771	0.121273227	2.00301E-06	0.000114934	0.000650833	0.001640815	0.000155548
2071 Feb	0.001142472	0.128953874	9.64028E-06	1.519493937	4.32220459	0.048850462	0.000429682	17.99875832	0.002074587	0.010172637	0.000400745	0.000271364	0.000121767	0.121273801	2.00303E-06	0.000114935	0.000650825	0.001640798	0.000155539
2071 Mar	0.001142604	0.128968656	9.64139E-06	1.519664407	4.322683334	0.048855551	0.00042974	18.00058556	0.002074794	0.010173859	0.000400779	0.000271387	0.000121779	0.121287219	2.00326E-06	0.000114947	0.000650891	0.001640964	0.000155553
2071 Apr	0.001144065	0.12913397	9.65369E-06	1.521608353	4.328207493	0.048918281	0.000430289	18.02350044	0.002077438	0.010186859	0.00040129	0.000271732	0.000121934	0.121442467	2.00581E-06	0.000115094	0.000651724	0.001643054	0.00015575
2071 May	0.001152274	0.132219017	9.62956E-06	1.542770386	4.359652042	0.050751735	0.000429998	17.76960373	0.002066149	0.010238375	0.000417354	0.000267761	0.000122213	0.12354672	2.00106E-06	0.000114546	0.000667629	0.001631264	0.000151837
2071 Jun	0.00114104	0.142987639	9.08494E-06	1.611678839	4.391456127	0.060711656	0.000370026	16.5752327	0.002063111	0.009840587	0.000509534	0.000272336	0.000126345	0.13173686	1.91778E-06	0.000109447	0.000769813	0.001614637	0.000146663
2071 Jul	0.001148011	0.143461868	9.23682E-06	1.624564767	4.408792496	0.060872301	0.00036537	16.8155117	0.00210598	0.009934111	0.000510903	0.000283211	0.000128224	0.132368356	1.95505E-06	0.000111023	0.000781922	0.001669706	0.000151799
2071 Aug	0.001176942	0.146875516	9.52795E-06	1.663906813	4.514030933	0.062100705	0.000374619	17.2878952	0.002164702	0.010211515	0.000521111	0.000291765	0.000131506	0.135446176	2.01369E-06	0.000113867	0.000800058	0.001723202	0.000155607
2071 Sep	0.001145205	0.141232252	9.5374E-06	1.609333515	4.3601861	0.05835655	0.000372517	16.89410591	0.002106504	0.010078472	0.000487487	0.000284725	0.000127008	0.129977226	2.00283E-06	0.000110946	0.000760863	0.001712641	0.000149342
2071 Oct	0.001128113	0.136599466	9.48923E-06	1.569290757	4.275454044	0.0553343	0.00038035	16.81351662	0.002070636	0.00999005	0.000459943	0.000277814	0.000123979	0.126215711	1.98582E-06	0.000110067	0.000726015	0.001683444	0.000147567
2071 Nov	0.001121767	0.13385275	9.49779E-06	1.546763897	4.224844933	0.053211078	0.000390127	16.74272346	0.002045111	0.009995314	0.000440142	0.000271845	0.000121781	0.123907983	1.98266E-06	0.000109901	0.000701579	0.001664141	0.000145772
2071 Dec	0.001121953	0.133692324	9.5005E-06	1.545839787	4.224686623	0.053086765	0.000391141	16.76374626	0.002045622	0.009998179	0.000438976	0.000271707	0.000121748	0.123823263	1.98292E-06	0.000109994	0.000700123	0.001663238	0.000145943
2072 Jan	0.001122006	0.133691579	9.5013E-06	1.545851827	4.224662304	0.053080693	0.000391221	16.76349068	0.002045564	0.009999118	0.0004389	0.00027168	0.00012174	0.12382111	1.98305E-06	0.000109998	0.000700055	0.00166324	0.000145929
2072 Feb	0.001122068	0.133697867	9.5019E-06	1.545918822	4.224815845	0.053081315	0.000391265	16.76370621	0.002045587	0.009999834	0.000438882	0.000271674	0.000121739	0.123825535	1.98316E-06	0.000110002	0.000700061	0.00166328	0.000145923
2072 Mar	0.001122209	0.133714706	9.50317E-06	1.546106935	4.225292206	0.053086955	0.000391325	16.76527405	0.002045788	0.010001211	0.000438916	0.000271695	0.00012175	0.123839974	1.98342E-06	0.000110015	0.000700134	0.001663466	0.000145932
2072 Apr	0.001124711	0.134013474	9.52436E-06	1.549555779	4.234703541	0.053205464	0.000392199	16.80246162	0.002050332	0.010023539	0.00043989	0.000272297	0.000122021	0.124116197	1.98784E-06	0.000110259	0.000701694	0.001667165	0.000146254
2072 May	0.001137674	0.135558829	9.63401E-06	1.567418098	4.283541679	0.053819895	0.000396716	16.99636459	0.002073988	0.010138965	0.00044497	0.000275438	0.000123428	0.12554802	2.01072E-06	0.00011153	0.000709791	0.001686365	0.000147942
2072 Jun	0.001037035	0.119193971	9.55375E-06	1.406157017	3.728266478	0.042998448	0.000367455	15.0628252	0.001882798	0.009802147	0.000347433	0.000263346	0.000108097	0.108279645	1.98762E-06	0.000103424	0.000622763	0.001706833	0.000131724
2072 Jul	0.001017099	0.11517448	9.69896E-06	1.369630933	3.597577095	0.039953042	0.000356064	14.84061241	0.00187038	0.009807885	0.000320749	0.000269418	0.000105544	0.10390833	2.0158E-06	0.000102455	0.000605661	0.001759773	0.000131394
2072 Aug	0.00099427	0.108949766	9.71092E-06	1.324789762	3.472826242	0.036106572	0.00035819	14.71333504	0.001835939	0.009616091	0.000286595	0.000261258	0.000102771	0.099128097	2.01412E-06	0.000100678	0.000553213	0.001729629	0.000130516
2072 Sep	0.000976523	0.102953784	9.63499E-06	1.290395141	3.376112938	0.032814484	0.000370477	14.65030003	0.001805611	0.009400511	0.000255827	0.000248807	0.000100636	0.095619053	1.99792E-06	9.97272E-05	0.000499945	0.001668695	0.000130783
2072 Oct	0.000976423	0.096369907	9.35899E-06	1.266126752	3.363567829	0.029783096	0.000399676	15.23330879	0.001820891	0.009177891	0.00022673	0.00023837	0.00010071	0.093846783	1.95707E-06	0.000102954	0.000446434	0.001568342	0.000142602
2072 Nov	0.000981176	0.09556932	9.33162E-06	1.266242504	3.38270402	0.029400641	0.000407399	15.4799118	0.001836265	0.009172807	0.000222941	0.000238089	0.000101341	0.094027244	1.95397E-06	0.000104197	0.000439281	0.001554529	0.000146118
2072 Dec	0.000982322	0.09557166	9.33311E-06	1.267142415	3.39031148	0.029430488	0.000408177	15.54721451	0.001841624	0.009174296	0.00022323	0.000238741	0.000101617	0.094166122	1.95431E-06	0.000104432	0.0004395	0.001554946	0.000146888
2073 Jan	0.000982609	0.095575228	9.33366E-06	1.267371416	3.392079115	0.029437147	0.000408384	15.56215668	0.001842798	0.009174992	0.000223282	0.000238873	0.000101677	0.094199158	1.95441E-06	0.000104486	0.00043954	0.001555011	0.000147052
2073 Feb	0.000982693	0.095584951	9.33436E-06	1.267479062	3.392351627	0.029440124	0.00040843	15.56292725	0.001842891	0.009175808	0.000223292	0.000238877	0.000101682	0.09420751	1.95455E-06	0.000104493	0.000439571	0.001555083	0.000147053
2073 Mar	0.000982986	0.095614433	9.33711E-06	1.267856359	3.393338442	0.029449057	0.000408557	15.56712627	0.001843395	0.009178583	0.000223352	0.000238937	0.000101709	0.094235577	1.95512E-06	0.000104523	0.000439697	0.001555514	0.000147089
2073 Apr	0.000987887	0.096090764	9.38351E-06	1.274174929	3.410306454	0.029596578	0.000410595	15.64527893	0.001852624	0.009224212	0.000224469	0.000240132	0.000102218	0.094706446	1.96484E-06	0.000105045	0.000441893	0.001563247	0.000147829
2073 May	0.001046354	0.106674761	9.41758E-06	1.369318366	3.819171906	0.036752544	0.000424004	17.10946655	0.001967956	0.009438496	0.000289356	0.000254927	0.000112022	0.105189934	1.97166E-06	0.000110106	0.000511461	0.001578286	0.000158341
2073 Jun	0.001134624	0.132650852	9.15167E-06	1.570506692	4.499225616	0.055445123	0.00040061	18.44662476	0.002132973	0.009604926	0.000460833	0.000281753	0.000129627	0.127639949	1.93119E-06	0.000114061	0.000702571	0.001605407	0.00016741
2073 Jul	0.001160274	0.135573238	9.33809E-06	1.607915044	4.601691246	0.056959432	0.00040382	18.98465538	0.002202686	0.009789246	0.00047429	0.000293175	0.000133556	0.130781487	1.97653E-06	0.000117188	0.000724216	0.001654371	0.000174878
2073 Aug	0.001186107	0.139045402	9.6E-06	1.642776012	4.694867134	0.058246434	0.000409894	19.37897301	0.002253517	0.01003748	0.000485664	0.000300673	0.000136436	0.133610219	2.02748E-06	0.00011937	0.000742033	0.001702005	0.000177413
2073 Sep	0.00117858	0.137596413	9.63137E-06	1.624629855	4.658429623	0.057051551	0.000409963	19.34548759	0.002238121	0.010017581	0.000475616	0.000298472	0.000135135	0.131943837	2.0257E-06	0.000118401	0.000728404	0.001698372	0.000175052

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.001156124	0.131728932	9.52123E-06	1.566670895	4.554335594	0.053101208	0.000420487	19.23240471	0.002179661	0.009894609	0.000440395	0.000287389	0.000130603	0.126804784	1.99093E-06	0.000116917	0.000681422	0.001646259	0.000171559
2073 Nov	0.001154246	0.130417898	9.5058E-06	1.555945992	4.543808937	0.052191857	0.00042574	19.31326103	0.002174974	0.009885717	0.000432119	0.000285527	0.000129965	0.1259038	1.9854E-06	0.000117141	0.000670515	0.001634493	0.000172026
2073 Dec	0.001155735	0.130454123	9.51026E-06	1.557276845	4.552829742	0.052235182	0.000426626	19.38840294	0.002181167	0.009890058	0.000432524	0.000286307	0.000130287	0.126078412	1.98636E-06	0.000117416	0.000670939	0.001635518	0.000172875
2074 Jan	0.00115656	0.130448595	9.511E-06	1.55788517	4.558598518	0.052256055	0.00042718	19.44052315	0.002185279	0.009890618	0.000432723	0.000286826	0.000130497	0.126178801	1.98654E-06	0.000117593	0.0006711	0.001635856	0.000173478
2074 Feb	0.001156896	0.13044937	9.51138E-06	1.558143258	4.560908318	0.052265394	0.000427401	19.46075249	0.002186872	0.009890976	0.000432802	0.000287025	0.000130579	0.12621963	1.98663E-06	0.000117662	0.000671174	0.001635992	0.000173709
2074 Mar	0.001157391	0.130505159	9.51538E-06	1.558806539	4.562871933	0.052287903	0.000427587	19.46914101	0.002187803	0.009895171	0.000432982	0.000287146	0.000130634	0.126273781	1.98746E-06	0.000117712	0.000671459	0.001636671	0.000173783
2074 Apr	0.001162144	0.131041929	9.55443E-06	1.56521225	4.581614971	0.052503213	0.000429341	19.54901123	0.002196783	0.009935801	0.000434761	0.000288324	0.00013117	0.126792893	1.99562E-06	0.000118195	0.000674221	0.001643387	0.000174495
2074 May	0.001207906	0.141031906	9.54174E-06	1.649536252	4.932439804	0.059464738	0.000432058	20.63551331	0.002285402	0.010079022	0.000498278	0.000302224	0.000139526	0.136059523	1.99469E-06	0.000121613	0.000744834	0.001662928	0.000181935
2074 Jun	0.001223143	0.153438613	8.91898E-06	1.740499616	5.20854044	0.071012266	0.000388383	20.82204247	0.002350413	0.009711618	0.000605671	0.000317374	0.0001486	0.147460833	1.89701E-06	0.000121012	0.000861378	0.00163748	0.000189384
2074 Jul	0.001257196	0.157809839	9.21899E-06	1.790481329	5.336988926	0.072959416	0.000395475	21.38567543	0.002427594	0.01001035	0.000622409	0.000329522	0.000153007	0.151542678	1.96168E-06	0.000124528	0.000889348	0.001702881	0.000195468
2074 Aug	0.00130915	0.16364038	9.57966E-06	1.860660195	5.568060875	0.075766802	0.000413359	22.52000809	0.002546607	0.010390838	0.000646632	0.000345405	0.000160086	0.157798931	2.03778E-06	0.000130252	0.000923257	0.001770804	0.000206513
2074 Sep	0.001293907	0.159260839	9.60715E-06	1.820722222	5.517009735	0.072813004	0.000419495	22.75845337	0.002532412	0.010331393	0.000620534	0.000344312	0.000158129	0.154196352	2.03104E-06	0.000129752	0.000893069	0.001765667	0.000206366
2074 Oct	0.001284356	0.153456986	9.58166E-06	1.776641607	5.502102375	0.069102794	0.000437401	23.37196732	0.002532688	0.010264852	0.00058713	0.000342892	0.000156722	0.150455311	2.0161E-06	0.000131039	0.000851821	0.001740037	0.000211261
2074 Nov	0.001297803	0.15253669	9.58609E-06	1.781605124	5.606213093	0.068991452	0.000449645	24.40340996	0.002606797	0.010260556	0.000586517	0.000352192	0.000160381	0.151754826	2.01674E-06	0.000134421	0.000849275	0.001742423	0.00022298
2074 Dec	0.001300803	0.152525932	9.58976E-06	1.783892274	5.627502441	0.069070823	0.000451598	24.59157562	0.002621528	0.010263067	0.000587307	0.000354103	0.000161148	0.152117655	2.01764E-06	0.000135057	0.000849946	0.001743976	0.000225144
2075 Jan	0.001301377	0.152520254	9.5906E-06	1.784295082	5.631651402	0.069081947	0.000452003	24.62763786	0.002624225	0.010263724	0.00058741	0.000354453	0.000161288	0.152182192	2.01782E-06	0.000135179	0.000850029	0.001744245	0.000225548
2075 Feb	0.001301758	0.152535737	9.59194E-06	1.784662008	5.634023666	0.069095038	0.000452219	24.64531708	0.002625626	0.010265092	0.000587517	0.000354635	0.000161363	0.152226403	2.01811E-06	0.000135243	0.000850163	0.001744536	0.000225739
2075 Mar	0.001302814	0.15265286	9.59927E-06	1.786075354	5.638768196	0.069150351	0.000452602	24.66807747	0.002627949	0.010272931	0.000587984	0.000354946	0.000161502	0.152351171	2.01965E-06	0.000135359	0.000850833	0.001745888	0.000225956
2075 Apr	0.001307721	0.15321368	9.63454E-06	1.792731166	5.660331249	0.069408961	0.000454337	24.76675606	0.002638271	0.010310633	0.000590187	0.000356333	0.000162129	0.152927533	2.02708E-06	0.000135883	0.000853997	0.001752352	0.00022688
2075 May	0.00133383	0.1534767	9.73863E-06	1.811003327	5.862969398	0.069613099	0.000475078	26.14471054	0.002715383	0.010418905	0.000591946	0.000367669	0.000166757	0.155082986	2.04615E-06	0.000140535	0.000855616	0.001768774	0.000239281
2075 Jun	0.001145144	0.125493154	9.39475E-06	1.526397586	4.944260597	0.052039053	0.000408845	22.61094284	0.002334824	0.009629878	0.00043524	0.000345828	0.000139613	0.12469513	1.97023E-06	0.00012446	0.000714883	0.001787994	0.000208339
2075 Jul	0.001084956	0.116194211	9.43526E-06	1.438975573	4.566991806	0.045824688	0.000379681	21.25974464	0.00224054	0.009464438	0.000379556	0.000345005	0.000131072	0.114553019	1.98402E-06	0.000119802	0.00067336	0.001841179	0.000200478
2075 Aug	0.001096339	0.117159232	9.65776E-06	1.450186968	4.582248688	0.045576621	0.000382434	21.40530205	0.00226472	0.009637521	0.000377224	0.000349692	0.000131871	0.114981279	2.02639E-06	0.000120821	0.000676168	0.001882073	0.000201101
2075 Sep	0.001102754	0.11699418	9.76124E-06	1.453012824	4.60071516	0.045151163	0.000387232	21.6592865	0.002286695	0.009707717	0.000373339	0.000352577	0.000132675	0.115107529	2.0451E-06	0.000121817	0.000672869	0.001897413	0.000203322
2075 Oct	0.001093184	0.114431955	9.75273E-06	1.428836465	4.539605141	0.043300442	0.000391112	21.54498482	0.002262702	0.009669191	0.000356764	0.000347533	0.000130636	0.11279393	2.03796E-06	0.000121026	0.000650757	0.001879672	0.000201343
2075 Nov	0.001096472	0.114227258	9.77295E-06	1.42954886	4.555206299	0.043124966	0.000394659	21.71541786	0.002274438	0.009687128	0.000355147	0.000348583	0.000131127	0.112932652	2.04134E-06	0.000121665	0.000648498	0.001880382	0.000203053
2075 Dec	0.001097566	0.114235386	9.7768E-06	1.43038559	4.561730862	0.043141458	0.000395393	21.77238846	0.00227898	0.009690601	0.000355305	0.000349141	0.000131357	0.113046937	2.04212E-06	0.000121871	0.000648635	0.001881094	0.000203686
2076 Jan	0.001097757	0.114237756	9.77768E-06	1.43052578	4.562787533	0.043142676	0.000395533	21.78117752	0.002279651	0.009691459	0.000355303	0.000349216	0.000131389	0.11306455	2.04229E-06	0.000121903	0.000648636	0.001881197	0.000203778
2076 Feb	0.001098049	0.114270359	9.78038E-06	1.430907726	4.563929081	0.043153957	0.000395644	21.78590965	0.002280161	0.009694203	0.000355378	0.00034929	0.000131418	0.113093816	2.04284E-06	0.000121932	0.000648799	0.001881669	0.000203814
2076 Mar	0.001098853	0.11435587	9.78748E-06	1.431963682	4.567267895	0.043186791	0.00039593	21.80156326	0.002281812	0.009701281	0.000355641	0.000349541	0.000131513	0.113177679	2.04432E-06	0.00012202	0.000649283	0.001883028	0.000203959
2076 Apr	0.001101201	0.114601262	9.80835E-06	1.435028076	4.577027321	0.043279827	0.000396773	21.84799576	0.002286679	0.009721991	0.000356403	0.000350286	0.000131793	0.113420159	2.04868E-06	0.00012228	0.000650676	0.001887041	0.000204393
2076 May	0.001114885	0.120232195	9.90392E-06	1.46953702	4.608500004	0.046006225	0.000394751	21.28487587	0.002260429	0.009891256	0.000380353	0.000343605	0.000131593	0.116481952	2.06091E-06	0.000120644	0.000676275	0.001888301	0.000194247
2076 Jun	0.001115265	0.13952668	9.34431E-06	1.572416306	4.530365944	0.059371132	0.000341738	18.10004234	0.002131359	0.009718597	0.000501438	0.000310734	0.000130139	0.128206745	1.95029E-06	0.000109427	0.000789523	0.001770982	0.000158679
2076 Jul	0.001128987	0.140150532	9.44926E-06	1.592133522	4.563848019	0.059766717	0.000342709	18.44765282	0.00218674	0.009805115	0.000504659	0.00031969	0.000132733	0.129678786	1.98231E-06	0.000111913	0.000798758	0.001805847	0.00016628
2076 Aug	0.001159732	0.143796444	9.75466E-06	1.633267522	4.675347328	0.06109231	0.000352024	18.96404076	0.002250745	0.010095233	0.000515878	0.000328936	0.000136274	0.132955223	2.04356E-06	0.000114886	0.000818032	0.001861996	0.000170505
2076 Sep	0.001168401	0.144044161	9.86083E-06	1.639765859	4.706067085	0.060928326	0.000357835	19.26236725	0.002277214	0.010177827	0.000514282	0.000332067	0.0001374	0.133503348	2.0625E-06	0.000116057	0.000817222	0.001877212	0.000172882
2076 Oct	0.001145241	0.138291895	9.7535E-06	1.586059332	4.587357044	0.057160992	0.000366732	19.04248238	0.002219288	0.010043866	0.00048034	0.000320534	0.000132964	0.128588647	2.03144E-06	0.000114415	0.000771436	0.001826634	0.000169082
2076 Nov	0.001145506	0.137111858	9.7422E-06	1.578649163	4.591673374	0.056439351	0.000372435	19.24139023	0.002226315	0.010031983	0.000473794	0.000320226	0.000133005	0.128080398	2.0275E-06	0.000115022	0.000762171	0.001817225	0.000171108
2076 Dec	0.001147263	0.137132689	9.74604E-06	1.580094814	4.603054523	0.056488857	0.000373519	19.339674	0.002234267	0.0100354	0.000474269	0.000321234	0.000133417	0.128289551	2.02835E-06	0.000115364	0.000762625	0.001818286	0.000172235
2077 Jan	0.001147576	0.137130067	9.74659E-06	1.580307603	4.605123997	0.056493595	0.00037375	19.35804749	0.002235674	0.010035937	0.000474307	0.000321403	0.000133487	0.12832351	2.02846E-06	0.000115427	0.000762647	0.001818391	0.000172442
2077 Feb	0.001147686	0.137143448	9.74755E-06	1.580452561	4.605531216	0.056498196	0.000373797	19.35937691	0.002235821	0.010036989	0.000474332	0.00032142	0.000133495	0.128334746	2.02865E-06	0.000115436	0.000762705	0.001818529	0.000172448
2077 Mar	0.001148001	0.137181833	9.75017E-06	1.580888629	4.606797218	0.056514248	0.000373899	19.36457825	0.002236425	0.010039723	0.00047446	0.000321505	0.000133531	0.128370449	2.0292E-06	0.000115467	0.000762917	0.001819013	0.000172493
2077 Apr	0.001150976	0.137538075	9.77542E-06	1.584989309	4.618739128	0.056661226	0.000374867	19.41467857	0.002242216	0.010065733	0.000475691	0.000322337	0.000133877	0.128703609	2.03445E-06	0.000115766	0.000764898	0.001823721	0.000172939
2077 May	0.001163697	0.141099021	9.82013E-06	1.609845877	4.677246094	0.058516856	0.000377616	19.29617691	0.002236963	0.010172703	0.000491948	0.000319461	0.000134549	0.131091833	2.03957E-06	0.000115563	0.00078155	0.001820874	0.000168888
2077 Jun	0.001153279	0.147979021	9.28687E-06	1.642279387	4.681140423	0.064752899	0.000351801	18.1635437	0.002175252	0.009858837	0.000549149	0.000305063	0.000134461	0.13599728	1.93872E-06	0.000110656	0.000830092	0.001727885	0.000157692
2077 Jul	0.001182058	0.152272999	9.63433E-06	1.685164332	4.782128811	0.066341728	0.000356604	18.53958321	0.00223482	0.01018567	0.000562623	0.000316265	0.00013772	0.139264792	2.00715E-06	0.000113162	0.000857583	0.001803411	0.000160141
2077 Aug	0.001217504	0.156381547	9.96423E-06	1.733068466	4.921788216	0.067941219	0.000368415	19.18264771	0.002308671	0.010504884	0.000576033	0.000326874	0.00014196	0.143141687	2.07398E-06	0.000116733	0.000879924	0.001864284	0.000165562
2077 Sep	0.001161232	0.144986212	9.81744E-06	1.631272793	4.635677338	0.060784213	0.000372574	18.39675331	0.002188283	0.010193966	0.000510984	0.000307331	0.000133126	0.13307777	2.03094E-06	0.000112144	0.00079726	0.001798569	0.000156028
2077 Oct	0.001153546	0.140433684	9.78639E-06	1.599389315	4.584617138	0.057796445	0.00038789	18.58947945	0.002176789	0.010145954	0.00048333	0.000301666	0.000131277	0.130157471	2.02036E-06	0.000112783	0.00076092	0.001765977	0.00015802
2077 Nov	0.001157939	0.140561476	9.80525E-06	1.603298306	4.608707428	0.057892356	0.000390623	18.78418541	0.002192934	0.010164812	0.000484174	0.000303624	0.000132105	0.130625263	2.02427E-06	0.000113526	0.000761907	0.001769334	0.000160171
2077 Dec	0.001158867	0.140592352	9.80894E-06	1.604151964	4.613960266	0.057917926	0.000391169	18.82653999	0.002196477	0.01016846	0.000484405	0.000304063	0.000132289	0.130729601	2.02505E-06	0.000113684	0.000762174	0.001770067	0.000160641
2078 Jan	0.001159154	0.140602186	9.81022E-06	1.604411602	4.615514755	0.057924304	0.000391349	18.83859253	0.002197461	0.010169785	0.000484452	0.000304181	0.000132339	0.130759656	2.02531E-06	0.000113731	0.000762238	0.001770277	0.00016077
2078 Feb	0.00115929	0.140617698	9.81132E-06	1.604590774	4.616054058	0.057930309	0.000391406	18.84079742	0.002197696	0.010170972	0.00048449	0.000304209	0.000132353	0.130774349	2.02553E-06	0.000113744	0.000762312	0.001770447	0.000160787
2078 Mar	0.001159524	0.140645921	9.81331E-06	1.604911447	4.616969109	0.057941426	0.000391492	18.84437752	0.00219811	0.010173072	0.000484576	0.000304263	0.000132377	0.130800158	2.02594E-06	0.000113767	0.000762456	0.001770788	0.000160815
2078 Apr	0.001165044	0.141314939	9.85996E-06	1.61254847	4.638968945	0.05821735	0.000393358	18.93436241	0.002208592	0.010221439	0.000486881	0.000305713	0.000133008	0.131423146	2.03557E-06	0.000114309	0.000766084	0.001779203	0.000161584
2078 May	0.001200416	0.14966476	9.75102E-06	1.681948781	4.892632961	0.064120114	0.000397525	19.45735359	0.002252759	0.010288831	0.000540235	0.000308352	0.000138632	0.139108017	2.01703E-06	0.000116152	0.000817732	0.00175717	0.00016415
2078 Jun	0.001214258	0.156951398	9.1934E-06	1.745137811	5.049668312	0.071671121	0.000375016	19.53492737	0.002303696	0.009950505	0.000610137	0.000311818	0.00014496 1	0.147221684	1.93337E-06	0.000116578	0.000881356	0.001689734	0.000172566
2078 Jul	0.001258134	0.162931666	9.54943E-06	1.808475375	5.223884106	0.074354522	0.000386253	20.21404648	0.002390289	0.010323216	0.000633382	0.00032393	0.000150239	0.152592808	2.00677E-06	0.000120574	0.000915266	0.001757311	0.000178327
2078 Aug	0.001274382	0.165464282	9.76928E-06	1.828394651	5.265230179	0.075014479	0.000388016	20.35756302	0.002415606	0.010510104	0.000639813	0.000327461	0.000151546	0.154080138	2.04617E-06	0.000121268	0.000924334	0.001791617	0.000177575
2078 Sep	0.001284953	0.165276527	9.8839E-06	1.83332777	5.315676212	0.074649751	0.000395916	20.88124657	0.002454696	0.010573237	0.000636838	0.000331673	0.000153358	0.154638991	2.06554E-06	0.000122835	0.000918743	0.00180367	0.000182125
2078 Oct	0.001286134	0.161965445	9.85417E-06	1.814339757	5.370144844	0.07292556	0.000408683	21.71640968	0.002489198	0.01049806	0.000621905	0.000335345	0.000154709	0.153462812	2.05577E-06	0.000124855	0.000896203	0.001787765	0.000190689
2078 Nov	0.001288443	0.161365733	9.86168E-06	1.812248349	5.391624928	0.072585553	0.000412715	21.95708084	0.002501311	0.010496709	0.000618915	0.000336685	0.000155255	0.153388128	2.05646E-06	0.000125566	0.000891735	0.001786236	0.000193097
2078 Dec	0.001289252	0.161387354	9.86439E-06	1.812951207	5.3964715	0.072608575	0.000413192	21.99769592	0.002504642	0.010499242	0.000619133	0.000337099	0.000155427	0.153481409	2.05703E-06	0.000125708	0.000891957	0.001786816	0.000193543
2079 Jan	0.001289921	0.161372319	9.86475E-06	1.813366771	5.401396751	0.072621994	0.000413662	22.04379654	0.002508197	0.010499172	0.000619268	0.000337549	0.000155608	0.153560489	2.05711E-06	0.000125855	0.000892036	0.001787057	0.000194073
2079 Feb	0.001290081	0.161370009	9.86491E-06	1.813469887	5.402591705	0.072625145	0.000413777	22.05425453	0.002508971	0.010499246	0.00061929	0.000337646	0.000155647	0.153578565	2.05715E-06	0.000125889	0.000892052	0.001787109	0.00019419
2079 Mar	0.00129077	0.161446124	9.86962E-06	1.814383984	5.405718327	0.072661854	0.000414024	22.06975365	0.002510551	0.010504231	0.0006196	0.000337856	0.000155741	0.153660983	2.05813E-06	0.000125964	0.00089249	0.001787981	0.000194339
2079 Apr	0.001294301	0.161882803	9.89629E-06	1.819321156	5.420627117	0.07286007	0.000415168	22.13218498	0.002517568	0.010532605	0.00062129	0.000338797	0.000156173	0.154082268	2.06369E-06	0.000126313	0.000894918	0.001792828	0.000194897
2079 May	0.001307851	0.163608715	1.00077E-05	1.837869406	5.479181767	0.073560201	0.000420137	22.34306145	0.002538678	0.010650855	0.00062719	0.000341599	0.000157592	0.15558961	2.08596E-06	0.000127516	0.000903335	0.001810776	0.000196178
2079 Jun	0.001130246	0.139703393	9.42973E-06	1.582231641	4.635509014	0.059531692	0.000354065	18.89477921	0.002182885	0.009746393	0.000503193	0.00031484	0.000133186	0.129650056	1.96117E-06	0.000111278	0.00078396	0.001769076	0.000165687
2079 Jul	0.001084608	0.130754933	9.44231E-06	1.506572604	4.367081165	0.053945463	0.000336019	18.33679008	0.002142561	0.009581591	0.000453407	0.00031936	0.000127797	0.121404119	1.96927E-06	0.000109242	0.000744894	0.001812608	0.000166114
2079 Aug	0.001108219	0.132770613	9.73344E-06	1.532534122	4.445321083	0.054261271	0.000343686	18.84577751	0.002199234	0.00982975	0.000455981	0.000328658	0.000130483	0.123231828	2.0269E-06	0.000111865	0.000754739	0.001868169	0.000170655
2079 Sep	0.001085104	0.126484841	9.71047E-06	1.476752162	4.313353062	0.049947012	0.000349871	18.67921448	0.002150675	0.009719647	0.000417513	0.000320149	0.000126226	0.117744163	2.01394E-06	0.00011039	0.000705608	0.00183783	0.000168094
2079 Oct	0.001077297	0.121747628	9.65235E-06	1.440367699	4.265984535	0.046740655	0.000366698	18.86096764	0.002128064	0.009667444	0.000388189	0.000312497	0.000123838	0.114467278	1.99684E-06	0.000110899	0.000665499	0.00179456	0.000169386
2079 Nov	0.001075974	0.119417809	9.62134E-06	1.424751043	4.244465351	0.04509335	0.000377974	18.93765831	0.002115847	0.009660788	0.000372764	0.000307516	0.000122579	0.112980723	1.98971E-06	0.000111504	0.000644168	0.001768313	0.000170204
2079 Dec	0.001075983	0.117603086	9.59336E-06	1.413963199	4.229112148	0.043832876	0.000387389	19.0127964	0.002109051	0.009657457	0.000360873	0.000303695	0.000121728	0.111941092	1.98467E-06	0.000112177	0.000627543	0.001746883	0.000171355
2080 Jan	0.001076158	0.117590144	9.59345E-06	1.414007068	4.229935646	0.043825138	0.0003876	19.02119446	0.002109601	0.009657988	0.000360778	0.000303722	0.00012175	0.11195042	1.9847E-06	0.000112212	0.00062741	0.001746704	0.000171453
2080 Feb	0.001076283	0.11760018	9.59427E-06	1.41413641	4.230369568	0.043827336	0.000387687	19.02307701	0.002109756	0.009659074	0.000360766	0.000303725	0.000121756	0.111961119	1.98486E-06	0.000112225	0.000627424	0.001746748	0.000171464
2080 Mar	0.001076367	0.11760956	9.595E-06	1.414237857	4.230621338	0.043829627	0.000387734	19.02370644	0.00210983	0.009659945	0.000360768	0.000303727	0.000121759	0.111968569	1.985E-06	0.000112232	0.000627451	0.001746821	0.000171464
2080 Apr	0.001078381	0.117830537	9.61292E-06	1.416885853	4.238516331	0.043911912	0.000388462	19.05894089	0.002113746	0.009678045	0.000361437	0.000304287	0.000121984	0.112178229	1.98871E-06	0.000112441	0.000628623	0.001750065	0.000171779
2080 May	0.001091388	0.119261742	9.72749E-06	1.434019923	4.289950848	0.044455793	0.000393115	19.2912674	0.002139519	0.009793702	0.000365932	0.000307976	0.000123473	0.113547526	2.0124E-06	0.000113796	0.000636313	0.001770971	0.000173878
2080 Jun	0.001010424	0.106228665	9.52097E-06	1.311396837	3.803009748	0.036249895	0.000369657	17.4035244	0.001977517	0.009472592	0.00029096	0.000293503	0.000110684	0.100325264	1.97738E-06	0.000107576	0.000568051	0.001758782	0.000161053
2080 Jul	0.000973966	0.100649975	9.52481E-06	1.258804917	3.573184013	0.032670341	0.000349536	16.63812256	0.001930599	0.009350996	0.000259311	0.000294679	0.000105958	0.094386414	1.98301E-06	0.00010491	0.000545172	0.001792086	0.000157724
2080 Aug	0.000980431	0.101199292	9.71866E-06	1.261792898	3.560291052	0.032120932	0.000349278	16.62240791	0.001938045	0.00948118	0.00025492	0.000296367	0.000105851	0.094081081	2.0179E-06	0.000104943	0.000541921	0.001821349	0.000156337

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.000972041	0.098880276	9.72585E-06	1.241701126	3.507501364	0.030492626	0.00035327	16.51799774	0.001913794	0.009404529	0.000240668	0.000288785	0.000104272	0.092130795	2.0124E-06	0.000103632	0.000514541	0.001792133	0.000153686
2080 Oct	0.000976163	0.096684135	9.6629E-06	1.231456995	3.536358595	0.029279007	0.000369856	16.95049667	0.001924158	0.009349634	0.000229425	0.000283852	0.000104633	0.091674335	1.99672E-06	0.000104886	0.000490181	0.001747642	0.000157736
2080 Nov	0.000986336	0.095293954	9.60763E-06	1.231861115	3.585850239	0.028561898	0.000386956	17.42332077	0.00194518	0.009340912	0.000222281	0.000281172	0.000105653	0.09204407	1.98837E-06	0.000107061	0.000473909	0.001712507	0.00016343
2080 Dec	0.00098861	0.095225647	9.60739E-06	1.233141899	3.599062204	0.028554648	0.000389161	17.53811264	0.001953211	0.009344285	0.000222182	0.000281779	0.000106063	0.09225063	1.98853E-06	0.000107496	0.000473148	0.001710819	0.000164748
2081 Jan	0.000988851	0.095236108	9.60842E-06	1.233357191	3.600248814	0.028559182	0.000389334	17.54630852	0.001953843	0.009345587	0.000222204	0.000281835	0.000106095	0.092274234	1.98873E-06	0.00010753	0.00047317	0.001710878	0.000164829
2081 Feb	0.000988927	0.095246211	9.60901E-06	1.233454943	3.600473166	0.028562021	0.000389381	17.54639626	0.001953857	0.009346372	0.000222206	0.000281823	0.000106095	0.092281505	1.98884E-06	0.000107535	0.000473191	0.001710901	0.00016482
2081 Mar	0.00098918	0.095272504	9.61137E-06	1.233777285	3.601391315	0.028570427	0.000389482	17.55044937	0.001954315	0.009348755	0.000222262	0.000281885	0.00010612	0.092306025	1.98932E-06	0.000107561	0.000473315	0.001711298	0.000164854
2081 Apr	0.000992069	0.095551968	9.6389E-06	1.237384677	3.612052679	0.028657688	0.000390616	17.60290146	0.001960117	0.009375617	0.000222929	0.000282714	0.000106434	0.092580169	1.99502E-06	0.000107876	0.000474719	0.001716207	0.000165349
2081 May	0.00104103	0.109698243	9.66388E-06	1.34564805	3.844889879	0.037222743	0.000392186	17.29446602	0.001980161	0.00965388	0.000298427	0.000277413	0.000111383	0.103467725	1.99899E-06	0.000108011	0.000552904	0.001701577	0.000156405
2081 Jun	0.001104422	0.129145712	9.35476E-06	1.505188465	4.226907253	0.05146249	0.000378165	17.47415161	0.002082107	0.009710964	0.000426725	0.000282726	0.000123025	0.121010505	1.95487E-06	0.000109735	0.000683833	0.00166479	0.000158659
2081 Jul	0.001154916	0.134945914	9.7379E-06	1.574678898	4.431046963	0.054068476	0.000394361	18.40104485	0.002189907	0.010113266	0.000448809	0.000297396	0.000129368	0.126879066	2.03724E-06	0.000115072	0.000717121	0.001737451	0.000168191
2081 Aug	0.001203885	0.140384942	1.01309E-05	1.639771819	4.62747097	0.056355592	0.000411752	19.32570648	0.002293487	0.010516484	0.000468039	0.00031112	0.000135353	0.132362425	2.11898E-06	0.00012019	0.000746581	0.0018079	0.000176943
2081 Sep	0.001215017	0.142441943	1.02269E-05	1.657804608	4.685955524	0.057439648	0.000415078	19.56653023	0.002319261	0.010604078	0.000477706	0.000313952	0.000137082	0.134204388	2.13382E-06	0.000120815	0.000757769	0.001822915	0.000177311
2081 Oct	0.001220599	0.142613709	1.02402E-05	1.661128759	4.73277235	0.057594195	0.0004209	19.90957451	0.002338561	0.010620619	0.000479177	0.000315679	0.000138202	0.134861916	2.13324E-06	0.000121654	0.000757857	0.001820867	0.000179545
2081 Nov	0.001217826	0.141579136	1.01903E-05	1.651366353	4.747141838	0.057075944	0.000425943	20.07066536	0.002331783	0.010578616	0.000474595	0.000313764	0.000137886	0.134266332	2.11917E-06	0.000121657	0.000749558	0.001803514	0.000179771
2081 Dec	0.00121846	0.141468123	1.01895E-05	1.650870323	4.754145622	0.057005402	0.0004274	20.12425232	0.002332987	0.010579924	0.000473931	0.000313738	0.000137959	0.134258538	2.11847E-06	0.000121807	0.000748431	0.001801778	0.000180121
2082 Jan	0.00121868	0.141471654	1.01899E-05	1.651029587	4.75568819	0.057010461	0.000427573	20.13591003	0.002333784	0.010580495	0.000473961	0.000313829	0.000138001	0.134282246	2.11853E-06	0.000121845	0.000748457	0.001801804	0.000180237
2082 Feb	0.001218856	0.14149408	1.01912E-05	1.651267886	4.756464958	0.057019986	0.000427648	20.13875771	0.002334057	0.010581974	0.000474019	0.000313859	0.000138017	0.134302661	2.11878E-06	0.00012186	0.000748563	0.001801989	0.000180253
2082 Mar	0.001219375	0.141556442	1.01955E-05	1.651979208	4.758505344	0.057045549	0.000427829	20.14700508	0.002335017	0.010586474	0.00047422	0.000313986	0.000138074	0.134360865	2.11967E-06	0.000121911	0.00074889	0.001802732	0.000180324
2082 Apr	0.001222005	0.141863018	1.02174E-05	1.655547976	4.768772602	0.057169504	0.000428749	20.1903038	0.002340044	0.010609285	0.000475245	0.000314661	0.000138371	0.134651437	2.12423E-06	0.000122173	0.000750513	0.001806609	0.00018071
2082 May	0.001234857	0.143355355	1.03247E-05	1.672959805	4.818992138	0.057772368	0.000433256	20.40335464	0.002364717	0.010720678	0.000480257	0.000317977	0.000139829	0.136069655	2.14652E-06	0.000123459	0.000758418	0.001825583	0.000182619
2082 Jun	0.001068565	0.118073143	9.7407E-06	1.420548081	4.220741272	0.044242021	0.000373721	18.92396927	0.002124066	0.009736552	0.000362539	0.00031735	0.000122252	0.111709781	2.01902E-06	0.000112144	0.000654319	0.00183252	0.000172366
2082 Jul	0.000982044	0.104538426	9.4937E-06	1.295147419	3.816601038	0.036929689	0.000333635	17.8345108	0.002023497	0.009248169	0.000298759	0.000320708	0.00011332	0.098951384	1.97808E-06	0.00010675	0.000602462	0.001862193	0.000170007
2082 Aug	0.001002301	0.106601223	9.77618E-06	1.319699764	3.86901474	0.037211653	0.000339848	18.10610199	0.002062766	0.009490446	0.000300727	0.000327121	0.000115141	0.100482047	2.03387E-06	0.000108625	0.00061128	0.001913071	0.00017187
2082 Sep	0.001003247	0.10635931	9.87901E-06	1.317553639	3.84027791	0.036514238	0.000342187	17.98611259	0.002056106	0.009560036	0.000294206	0.000325333	0.000114364	0.099868216	2.05137E-06	0.000108356	0.000604268	0.001922022	0.000169582
2082 Oct	0.000977225	0.101066023	9.67765E-06	1.262773633	3.676996469	0.033050213	0.00035166	17.34506226	0.001969466	0.009380267	0.000262862	0.000304633	0.000108559	0.095083229	2.00049E-06	0.000105358	0.000553357	0.001832814	0.000161233
2082 Nov	0.000982034	0.101011336	9.69081E-06	1.265420437	3.701745033	0.033029035	0.000355912	17.57291412	0.001986796	0.009397405	0.000262629	0.000306128	0.000109381	0.095501609	2.00281E-06	0.000106195	0.000552308	0.001832232	0.000163707
2082 Dec	0.000983874	0.10103935	9.6949E-06	1.26690197	3.713505745	0.033083294	0.000357025	17.67386055	0.001995028	0.009401139	0.000263146	0.000307159	0.000109806	0.095719486	2.00371E-06	0.000106536	0.000552807	0.001833331	0.000164871
2083 Jan	0.000984106	0.101048522	9.69593E-06	1.267106891	3.71470952	0.033088405	0.000357174	17.68293381	0.001995768	0.009402276	0.000263181	0.000307241	0.000109844	0.095743254	2.00392E-06	0.000106571	0.000552851	0.001833465	0.000164966
2083 Feb	0.000984378	0.101078451	9.69851E-06	1.267463207	3.715721607	0.033098571	0.000357275	17.68729019	0.00199627	0.009404873	0.00026325	0.000307313	0.000109871	0.09577053	2.00445E-06	0.000106598	0.000553005	0.001833925	0.000165003
2083 Mar	0.000984964	0.101139985	9.70421E-06	1.268223882	3.717937708	0.033119317	0.000357485	17.69763374	0.001997447	0.009410437	0.00026341	0.000307493	0.000109936	0.095828436	2.00562E-06	0.000106661	0.000553341	0.001835	0.000165099
2083 Apr	0.000987955	0.101447962	9.73365E-06	1.272079587	3.72923398	0.03322053	0.000358569	17.75129318	0.002003508	0.009438998	0.000264212	0.000308425	0.000110269	0.096120045	2.01171E-06	0.000106984	0.000555026	0.001840564	0.000165599
2083 May	0.001048671	0.11214003	9.79097E-06	1.368941188	4.125387192	0.040178914	0.000376775	19.06618309	0.002105652	0.00967339	0.000326881	0.000317713	0.00011946	0.106610164	2.02122E-06	0.000111606	0.000616534	0.001839171	0.000173751
2083 Jun	0.001142598	0.138017952	9.22102E-06	1.584268332	4.773191452	0.059887316	0.000367707	20.12023354	0.002265341	0.009623193	0.000506332	0.000325048	0.000137575	0.131351233	1.92898E-06	0.000115422	0.000785359	0.001744121	0.000183492
2083 Jul	0.001160374	0.140008777	9.3823E-06	1.609470725	4.827101707	0.060799122	0.000368193	20.45513535	0.002318478	0.009763263	0.00051465	0.000333622	0.00014029	0.13339597	1.96672E-06	0.000117465	0.000799587	0.00178442	0.000188772
2083 Aug	0.001158862	0.140122876	9.58376E-06	1.597635269	4.750670433	0.059509959	0.000362132	20.04605293	0.002289153	0.009877199	0.00050479	0.000329801	0.000137973	0.13150911	1.99841E-06	0.000115578	0.000786238	0.001803916	0.000181805
2083 Sep	0.001152324	0.136152983	9.591E-06	1.564525127	4.697080135	0.056578837	0.000372907	20.17929459	0.00227057	0.009829897	0.000479085	0.000322911	0.000135928	0.128407151	1.99288E-06	0.000115381	0.000746973	0.001770414	0.000182098
2083 Oct	0.001136956	0.126784518	9.41888E-06	1.496987462	4.579937458	0.050489761	0.00040269	20.37774086	0.002225808	0.009680538	0.000423458	0.000306408	0.000131292	0.122188635	1.95635E-06	0.000116417	0.000667341	0.001674639	0.00018574
2083 Nov	0.001138855	0.12364918	9.3531E-06	1.482281923	4.575723648	0.048676081	0.00041721	20.74270439	0.002239529	0.00964278	0.000406493	0.000304187	0.000131203	0.120996557	1.94715E-06	0.000118299	0.000643235	0.00164439	0.000191671
2083 Dec	0.001140224	0.123648509	9.35579E-06	1.483230233	4.584507942	0.048702311	0.000418154	20.82023048	0.002245639	0.009645443	0.000406746	0.000304926	0.000131513	0.121146716	1.94771E-06	0.00011856	0.000643426	0.001644979	0.000192561
2084 Jan	0.001140279	0.123647243	9.35628E-06	1.483238816	4.58457613	0.048697159	0.000418238	20.8205612	0.002245594	0.00964618	0.000406682	0.000304899	0.000131507	0.121145599	1.94779E-06	0.000118565	0.000643358	0.001644923	0.000192553
2084 Feb	0.001140399	0.123660445	9.35727E-06	1.483385682	4.584993839	0.048700977	0.0004183	20.8218689	0.00224573	0.009647337	0.000406695	0.000304908	0.000131514	0.121156842	1.94799E-06	0.000118576	0.000643402	0.001645035	0.000192559
2084 Mar	0.001141088	0.123736329	9.3629E-06	1.484285474	4.587747574	0.04873085	0.000418555	20.83408546	0.002247056	0.009653194	0.000406936	0.000305085	0.000131591	0.121230349	1.94916E-06	0.000118646	0.000643792	0.00164601	0.000192669
2084 Apr	0.001146346	0.124307089	9.40599E-06	1.491127253	4.608896255	0.048956037	0.000420482	20.93008995	0.002257413	0.009697636	0.000408813	0.000306491	0.000132198	0.121789575	1.95813E-06	0.000119193	0.000646763	0.001653584	0.000193557
2084 May	0.001181848	0.134385616	9.49341E-06	1.56724751	4.77856636	0.054694407	0.000424296	20.70021057	0.002264626	0.009966128	0.000459059	0.000303267	0.000135228	0.129164964	1.97179E-06	0.000119399	0.000702858	0.001657514	0.000185604
2084 Jun	0.001192439	0.147069588	9.03541E-06	1.659555197	4.890994072	0.065285794	0.000386923	19.85103035	0.002287632	0.009750963	0.000554845	0.000304728	0.000140768	0.139838442	1.89886E-06	0.000116697	0.000807003	0.001625877	0.000180874
2084 Jul	0.001218917	0.150670096	9.27609E-06	1.699393749	4.992565155	0.066958599	0.00039105	20.30544853	0.002352196	0.009983911	0.000569384	0.000315274	0.000144425	0.143161207	1.95024E-06	0.000119361	0.000831324	0.001681437	0.000185861
2084 Aug	0.001240889	0.153497487	9.52252E-06	1.72863853	5.067836285	0.067891754	0.000397011	20.62775421	0.002394211	0.010206608	0.000577426	0.000321322	0.000146759	0.14542526	1.99781E-06	0.000121129	0.000844747	0.001724327	0.000187649
2084 Sep	0.001229294	0.150784746	9.55412E-06	1.704595208	5.014648914	0.06605316	0.000398925	20.60897636	0.002377223	0.010155189	0.000560988	0.000318678	0.000145212	0.143059149	1.99711E-06	0.00012014	0.000823822	0.001719522	0.000186002
2084 Oct	0.001209345	0.144378617	9.49203E-06	1.652124286	4.932200909	0.06192499	0.000412597	20.6879406	0.002334582	0.01003773	0.000523339	0.000310264	0.000141649	0.138123393	1.97561E-06	0.000119508	0.000775257	0.001679114	0.000185373
2084 Nov	0.001204084	0.142130017	9.47576E-06	1.634483099	4.905405521	0.06039308	0.000419451	20.72815895	0.002320193	0.010015124	0.000509201	0.000306886	0.000140354	0.136436999	1.96944E-06	0.000119536	0.000757309	0.001663455	0.000185306
2084 Dec	0.001205207	0.142152756	9.47936E-06	1.635388613	4.912065506	0.060420994	0.000420145	20.78503418	0.002324868	0.010018608	0.000509461	0.000307457	0.000140592	0.136562496	1.97019E-06	0.000119732	0.000757578	0.001664211	0.000185945
2085 Jan	0.001205774	0.142137706	9.4797E-06	1.635703087	4.916164398	0.060429927	0.000420565	20.82345772	0.002327823	0.010018701	0.000509546	0.000307823	0.00014074	0.136626258	1.97026E-06	0.000119852	0.000757622	0.001664385	0.000186392
2085 Feb	0.001205971	0.142150432	9.48075E-06	1.635906935	4.917177677	0.060436491	0.000420672	20.83012772	0.002328384	0.010019829	0.000509589	0.00030789	0.000140769	0.136647522	1.97047E-06	0.000119879	0.000757692	0.001664553	0.00018646
2085 Mar	0.001206246	0.142183736	9.48287E-06	1.636283875	4.918303967	0.060450923	0.000420767	20.83476639	0.002328907	0.010022097	0.000509704	0.000307958	0.0001408	0.136679262	1.97091E-06	0.000119906	0.000757869	0.001664921	0.000186501
2085 Apr	0.001209187	0.142531142	9.50596E-06	1.64027667	4.930295944	0.060598832	0.000421791	20.88546181	0.002334579	0.010046521	0.000510947	0.000308707	0.000141143	0.137012929	1.97571E-06	0.000120198	0.000759721	0.001668975	0.000186954
2085 May	0.001226054	0.14669241	9.57998E-06	1.671092629	5.032097816	0.062727019	0.000428126	20.89936256	0.002328919	0.010196897	0.000529223	0.000306771	0.000142188	0.139862671	1.98522E-06	0.000120478	0.000780461	0.001672145	0.000182771
2085 Jun	0.001239243	0.154155523	9.47188E-06	1.724775791	5.128934383	0.068055704	0.000413736	20.53212357	0.002333465	0.010211611	0.000577208	0.000307744	0.000144867	0.145462394	1.9688E-06	0.000119462	0.000835024	0.001672887	0.000178305
2085 Jul	0.001278505	0.15969719	9.80254E-06	1.780712724	5.284723282	0.070471793	0.000423696	21.11891747	0.002407628	0.010555552	0.000598268	0.000318045	0.000149419	0.150227234	2.03491E-06	0.00012277	0.000865403	0.00173359	0.000182516
2085 Aug	0.00128039	0.159731969	9.903E-06	1.778350711	5.285824776	0.070103616	0.000423043	21.22346878	0.002414294	0.01058903	0.000595854	0.000318909	0.000149608	0.149912208	2.04956E-06	0.00012243	0.000860143	0.00174458	0.000181922
2085 Sep	0.001253109	0.151337847	9.79064E-06	1.715144515	5.197663784	0.065349706	0.00043496	21.52179337	0.002382126	0.010327272	0.000553178	0.000311161	0.000146727	0.144179776	2.01863E-06	0.000121547	0.000798551	0.001691409	0.000184706
2085 Oct	0.001245974	0.142829999	9.62239E-06	1.668300152	5.19723177	0.060855735	0.000460033	22.54306984	0.002413866	0.01013461	0.000512144	0.000311305	0.000146811	0.14030762	1.99145E-06	0.000125131	0.000743184	0.00163872	0.000199786
2085 Nov	0.001243141	0.138472438	9.53007E-06	1.645029068	5.193401814	0.058532577	0.000473373	23.04605293	0.002430538	0.010044809	0.000490828	0.000311264	0.000146789	0.138358504	1.97783E-06	0.000127159	0.000715104	0.001611093	0.000207751
2085 Dec	0.001243936	0.138455153	9.53171E-06	1.645470023	5.198611736	0.058536571	0.000473997	23.09366035	0.002434121	0.010046378	0.00049087	0.000311694	0.000146967	0.138435885	1.97816E-06	0.000127317	0.000715094	0.001611383	0.000208291
2086 Jan	0.001244029	0.138447315	9.53205E-06	1.645475149	5.19914341	0.058530677	0.000474119	23.09867477	0.002434395	0.010046844	0.000490802	0.000311715	0.000146978	0.138438538	1.97822E-06	0.000127335	0.000715017	0.001611348	0.00020834
2086 Feb	0.001244082	0.138451397	9.53249E-06	1.645526886	5.199345589	0.058530733	0.000474164	23.09926796	0.00243441	0.010047402	0.000490782	0.00031171	0.000146978	0.13844189	1.9783E-06	0.00012734	0.000715014	0.001611366	0.000208338
2086 Mar	0.001244441	0.138490468	9.53523E-06	1.64599216	5.200838566	0.058546614	0.000474312	23.10585594	0.002435082	0.01005034	0.000490905	0.000311792	0.000147017	0.138480887	1.97886E-06	0.000127377	0.000715206	0.001611803	0.000208395
2086 Apr	0.001248585	0.138951778	9.56693E-06	1.651472926	5.218168259	0.058741901	0.000475892	23.18288803	0.002443197	0.010083771	0.000492538	0.00031283	0.000147507	0.13894242	1.98544E-06	0.000127801	0.000717588	0.001617159	0.000209089
2086 May	0.001263084	0.141030505	9.67305E-06	1.671163321	5.285717487	0.05955638	0.000482949	23.35062218	0.002454914	0.010221409	0.000499196	0.000313936	0.000148585	0.140559405	2.00506E-06	0.000128893	0.00072683	0.001630241	0.000208897
2086 Jun	0.0012039	0.142497659	9.21563E-06	1.647326469	5.031962872	0.062363558	0.00041944	21.26677895	0.002342124	0.009820309	0.000526264	0.000312217	0.000143296	0.138524935	1.92735E-06	0.00012089	0.000775283	0.001640533	0.000193061
2086 Jul	0.001204934	0.141399637	9.43174E-06	1.647246599	4.996813774	0.061334502	0.000411277	21.47387123	0.002390862	0.009933228	0.00051705	0.000326753	0.000144491	0.13764374	1.97816E-06	0.000122478	0.000782146	0.001720154	0.00019934
2086 Aug	0.001212242	0.141312972	9.66631E-06	1.647886753	5.001830578	0.060403123	0.000412892	21.70967293	0.002414355	0.010080335	0.000509153	0.000332386	0.000145	0.137111709	2.02069E-06	0.000123213	0.000778271	0.001764247	0.000200475
2086 Sep	0.001179441	0.133382857	9.6642E-06	1.581193686	4.853805542	0.055324398	0.000416655	21.57378006	0.002358192	0.009889059	0.000463726	0.00032422	0.000140488	0.130395219	2.00925E-06	0.000120886	0.000719531	0.001738539	0.000197728
2086 Oct	0.001179013	0.130514443	9.667E-06	1.564525604	4.868168354	0.053594686	0.000428503	22.04553986	0.002373516	0.009855826	0.000447944	0.000324388	0.000140708	0.129057825	2.00652E-06	0.000122089	0.000697779	0.001724647	0.000202462
2086 Nov	0.001182648	0.130709052	9.68618E-06	1.568156242	4.887330055	0.053709567	0.000430402	22.18562698	0.002385611	0.009874478	0.000448952	0.000325915	0.000141348	0.129455373	2.01049E-06	0.00012262	0.000699091	0.001728271	0.000203981
2086 Dec	0.001183778	0.130729556	9.68899E-06	1.569057107	4.894402504	0.053744234	0.000431062	22.24760437	0.002390751	0.009876928	0.000449285	0.000326555	0.000141611	0.129590109	2.01109E-06	0.000122822	0.000699423	0.001729027	0.000204688
2087 Jan	0.00118393	0.13072969	9.68957E-06	1.569161892	4.89535141	0.053745463	0.000431176	22.25549698	0.002391333	0.009877446	0.000449289	0.000326624	0.00014164	0.129604444	2.01121E-06	0.000122849	0.000699426	0.001729109	0.000204772
2087 Feb	0.001184181	0.130756631	9.6916E-06	1.569487572	4.896408081	0.053756215	0.000431276	22.26025391	0.002391816	0.009879529	0.000449369	0.000326688	0.000141668	0.129631266	2.01162E-06	0.000122874	0.000699561	0.001729449	0.000204813
2087 Mar	0.001185043	0.130852759	9.69862E-06	1.570634604	4.899973869	0.053796031	0.000431588	22.27633286	0.00239355	0.009886707	0.000449697	0.000326924	0.000141771	0.129726231	2.01308E-06	0.000122963	0.000700076	0.001730701	0.00020496
2087 Apr	0.001187056	0.131075621	9.71507E-06	1.573305488	4.908298492	0.053887811	0.00043232	22.31409645	0.002397612	0.009903496	0.000450462	0.000327478	0.000142011	0.129946947	2.0165E-06	0.000123172	0.000701268	0.001733637	0.000205308
2087 May	0.001193039	0.134139523	9.74156E-06	1.592368245	4.937607765	0.055480704	0.000431086	21.99289322	0.002373983	0.009977303	0.000464365	0.000323308	0.000141754	0.131568685	2.01864E-06	0.000122211	0.000716114	0.001731247	0.000199197
2087 Jun	0.001193752	0.144851044	9.49683E-06	1.650836587	4.959204674	0.06276378	0.000402119	20.48405266	0.002297194	0.009939523	0.000530166	0.000311178	0.000141211	0.137703627	1.96963E-06	0.000116938	0.000786651	0.001698862	0.000179925
2087 Jul	0.001215778	0.148808524	9.75018E-06	1.684338689	5.029490471	0.064320378	0.000403231	20.66425514	0.002336344	0.010184661	0.000544114	0.000318026	0.000143468	0.140405536	2.01793E-06	0.000118197	0.000809354	0.001750455	0.000179995

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.00125106	0.152958229	1.005E-05	1.730177522	5.172305584	0.066017494	0.000414049	21.33694649	0.002410713	0.010479481	0.000558908	0.000328244	0.000147776	0.144304276	2.07827E-06	0.000121577	0.000831083	0.001804125	0.000185785
2087 Sep	0.001268705	0.154067174	1.01948E-05	1.746039629	5.250796795	0.066300862	0.000422637	21.89506721	0.002457801	0.010609253	0.000561571	0.000334167	0.000150173	0.145810977	2.1058E-06	0.000123683	0.000834864	0.001826384	0.00019076
2087 Oct	0.001269149	0.151860237	1.01705E-05	1.730615258	5.279208183	0.065022275	0.000430857	22.39043617	0.002474091	0.010570512	0.000550617	0.000335759	0.000150606	0.144762322	2.09816E-06	0.000124812	0.00081912	0.001814209	0.000195702
2087 Nov	0.001267879	0.150811434	1.01578E-05	1.722409725	5.281647205	0.06434498	0.00043424	22.50919342	0.002471671	0.010555191	0.000544635	0.00033516	0.000150308	0.144049287	2.09438E-06	0.000125054	0.000810998	0.001807065	0.000196675
2087 Dec	0.001269616	0.150814533	1.01604E-05	1.723610401	5.29345417	0.064391665	0.000435326	22.61450195	0.00248007	0.010557203	0.000545098	0.000336221	0.000150738	0.144252852	2.09496E-06	0.000125384	0.000811402	0.001807984	0.000197893
2088 Jan	0.00127004	0.150820345	1.01615E-05	1.723924875	5.296212196	0.064402334	0.00043559	22.63755608	0.002481875	0.010558186	0.000545192	0.000336448	0.00015083	0.144299716	2.09518E-06	0.00012546	0.000811497	0.001808229	0.000198153
2088 Feb	0.001270134	0.15083012	1.01622E-05	1.724035859	5.296632767	0.064406045	0.000435634	22.63943863	0.002482033	0.01055894	0.00054521	0.000336466	0.000150839	0.144309223	2.09531E-06	0.000125469	0.000811539	0.001808323	0.000198166
2088 Mar	0.001271092	0.150944665	1.01698E-05	1.725337982	5.300624847	0.064454921	0.000435962	22.6563015	0.002483882	0.010566914	0.000545618	0.000336716	0.000150951	0.144418165	2.09689E-06	0.000125563	0.000812152	0.001809675	0.000198312
2088 Apr	0.001279233	0.151913062	1.02349E-05	1.736396194	5.33457756	0.064868942	0.000438751	22.80120087	0.00249978	0.010634568	0.000549114	0.00033887	0.000151917	0.145344183	2.1103E-06	0.000126366	0.000817363	0.001821252	0.000199579
2088 May	0.001297585	0.154130042	1.0379E-05	1.761396646	5.411549091	0.065828949	0.000445017	23.12605667	0.002535346	0.010785927	0.00055696	0.000343624	0.000154064	0.147455603	2.13993E-06	0.000128154	0.000829258	0.00184667	0.000202366
2088 Jun	0.001161194	0.138194144	1.01416E-05	1.568923235	4.70565176	0.054925486	0.000392727	19.67819405	0.002199106	0.010330332	0.000458264	0.000316157	0.000131627	0.126807779	2.07361E-06	0.000113689	0.0007442	0.001842352	0.000164892
2088 Jul	0.001152284	0.136683747	1.04023E-05	1.553615332	4.614213943	0.052943334	0.00038529	19.37568474	0.002189629	0.010488315	0.000439792	0.000322843	0.000129589	0.124079786	2.12287E-06	0.000113152	0.000742122	0.001916294	0.000161994
2088 Aug	0.001205765	0.142378613	1.08634E-05	1.622186184	4.836069107	0.055208303	0.000404601	20.48293686	0.002307067	0.010943046	0.000458744	0.000339522	0.000136237	0.129812166	2.21691E-06	0.000118832	0.000773672	0.002001917	0.000172183
2088 Sep	0.001218196	0.142565653	1.09903E-05	1.631981373	4.894265652	0.055113193	0.000411724	21.02593613	0.002354471	0.011040438	0.000457725	0.000346636	0.000138408	0.130728945	2.24207E-06	0.000120865	0.000775864	0.00202851	0.000177885
2088 Oct	0.001173564	0.133266583	1.07261E-05	1.547787905	4.693239212	0.049717292	0.000414388	20.56153679	0.002262271	0.010740875	0.000409437	0.00033309	0.000131668	0.122881375	2.18477E-06	0.000118128	0.000715671	0.001962865	0.000173714
2088 Nov	0.001166762	0.131230295	1.06786E-05	1.531022668	4.657674789	0.048442278	0.000418364	20.5110569	0.002244921	0.010698126	0.000397779	0.000329608	0.000130293	0.121304654	2.17432E-06	0.000117933	0.000700765	0.00194562	0.000173346
2088 Dec	0.001168071	0.131248936	1.06821E-05	1.532016993	4.665757656	0.04847585	0.000419165	20.58139801	0.002250688	0.010701411	0.000398098	0.000330326	0.000130586	0.121452622	2.17507E-06	0.000118165	0.000701094	0.001946486	0.000174154
2089 Jan	0.001168177	0.131249934	1.06827E-05	1.532087326	4.666222572	0.048474677	0.000419254	20.5851059	0.002250963	0.010702125	0.000398074	0.000330351	0.000130598	0.121459946	2.17519E-06	0.000118181	0.00070108	0.001946535	0.000174192
2089 Feb	0.001168321	0.131266475	1.0684E-05	1.532274246	4.666744709	0.048479911	0.000419316	20.58698463	0.002251174	0.010703554	0.000398102	0.000330377	0.000130609	0.121474043	2.17545E-06	0.000118195	0.000701153	0.001946743	0.000174203
2089 Mar	0.001169396	0.131388277	1.06938E-05	1.533688545	4.671038628	0.048525348	0.0004197	20.60576439	0.002253235	0.010713369	0.000398469	0.000330678	0.000130728	0.121586516	2.17744E-06	0.000118303	0.000701804	0.001948518	0.000174361
2089 Apr	0.001174123	0.131920293	1.0737E-05	1.539892793	4.689924717	0.04872223	0.000421394	20.68896675	0.002262339	0.01075665	0.000400082	0.000332013	0.000131256	0.12207868	2.18623E-06	0.000118781	0.000704646	0.001956384	0.000175065
2089 May	0.001182637	0.136940256	1.06864E-05	1.570762873	4.715407848	0.051693674	0.000417784	20.10214424	0.002232231	0.010822389	0.000426366	0.000324236	0.000131056	0.125175059	2.17382E-06	0.000117203	0.000730746	0.001935769	0.000166351
2089 Jun	0.001188015	0.150086656	1.02738E-05	1.644598365	4.74116993	0.061024331	0.000388883	18.38765907	0.002159078	0.010714122	0.000511142	0.000305399	0.000131314	0.133814022	2.09073E-06	0.000111215	0.000811832	0.001855204	0.000145231
2089 Jul	0.001222426	0.154947266	1.05437E-05	1.692273378	4.884532452	0.063305095	0.000395819	19.02204323	0.00223554	0.010987054	0.000531728	0.00031603	0.000135865	0.138164967	2.14418E-06	0.000114119	0.000839554	0.001907414	0.000150433
2089 Aug	0.001258407	0.158888981	1.08104E-05	1.735513926	5.043447495	0.06505385	0.00040612	19.87628174	0.002320664	0.011241233	0.000547816	0.000327347	0.000140788	0.142156601	2.19747E-06	0.000117654	0.000859499	0.00195409	0.000158322
2089 Sep	0.001271799	0.157718375	1.0823E-05	1.735619187	5.144678116	0.06454242	0.000418636	20.82990646	0.002376485	0.011231145	0.000544207	0.000333181	0.000143685	0.142798811	2.19948E-06	0.000120337	0.000848704	0.001946228	0.000168403
2089 Oct	0.001249313	0.147495925	1.04632E-05	1.658000231	5.111421585	0.059079878	0.000442632	21.58176613	0.002343687	0.010879131	0.000496277	0.00032219	0.00014076	0.136607125	2.12512E-06	0.000121459	0.000773093	0.001834656	0.000177635
2089 Nov	0.001250129	0.146436572	1.04448E-05	1.651967168	5.119027138	0.058431178	0.000448203	21.74667549	0.002346727	0.010868502	0.000490345	0.00032142	0.00014072	0.136140317	2.12127E-06	0.000122062	0.000764377	0.001823973	0.000179508
2089 Dec	0.001251342	0.146475554	1.0449E-05	1.652980566	5.125916004	0.058466282	0.000448901	21.8039856	0.002351532	0.010872795	0.000490671	0.00032202	0.00014096	0.136276484	2.12215E-06	0.000122256	0.000764731	0.001824837	0.000180145
2090 Jan	0.001251679	0.146495774	1.04509E-05	1.653310418	5.127563477	0.058476049	0.000449086	21.81542206	0.002352508	0.01087477	0.000490746	0.000322115	0.000141016	0.136311442	2.12252E-06	0.000122302	0.000764838	0.00182512	0.000180262
2090 Feb	0.001251961	0.146528393	1.04531E-05	1.653677464	5.128715038	0.058488887	0.000449196	21.82019997	0.002353006	0.010877199	0.000490842	0.000322178	0.000141045	0.13634187	2.12298E-06	0.000122329	0.000764998	0.001825486	0.0001803
2090 Mar	0.001252845	0.146631956	1.04604E-05	1.654844642	5.132348061	0.058530558	0.000449515	21.83568764	0.002354671	0.010884825	0.000491185	0.000322404	0.000141144	0.136438593	2.12446E-06	0.000122415	0.000765539	0.001826754	0.000180428
2090 Apr	0.00125591	0.146991417	1.0486E-05	1.658897161	5.144906998	0.058674276	0.000450613	21.88902473	0.002360428	0.010911447	0.000492388	0.000323192	0.000141489	0.136772886	2.12965E-06	0.000122714	0.000767416	0.001831219	0.000180868
2090 May	0.001273558	0.148345634	1.05522E-05	1.678433299	5.256896496	0.059526321	0.00045964	22.53064919	0.002406664	0.010993157	0.000499945	0.000329373	0.000144405	0.138835892	2.14373E-06	0.00012509	0.000775955	0.00184334	0.000187108
2090 Jun	0.001271719	0.147293553	9.66015E-06	1.697001696	5.621743679	0.064729407	0.000448837	24.84612465	0.002540149	0.010228118	0.000550422	0.000354511	0.000155739	0.144484341	1.99875E-06	0.000130431	0.000817555	0.001763418	0.000221559
2090 Jul	0.001274764	0.147656396	9.85988E-06	1.704409003	5.593489647	0.064436346	0.000442797	24.80931282	0.002565517	0.010361433	0.000547485	0.000363014	0.000156284	0.144350842	2.04238E-06	0.000131102	0.000827127	0.001824441	0.000222934
2090 Aug	0.001221526	0.138954952	9.84163E-06	1.619238734	5.287640095	0.058624741	0.000428915	23.72108269	0.002455303	0.010108332	0.000496159	0.000348977	0.000148244	0.135304347	2.0286E-06	0.000125449	0.000763774	0.001802564	0.000211477
2090 Sep	0.001194613	0.127086073	9.62553E-06	1.549145937	5.13996315	0.052258294	0.000452925	24.12917328	0.002448087	0.009768909	0.00043721	0.000338205	0.000145561	0.128863454	1.99179E-06	0.000126673	0.000679043	0.001715953	0.000221826
2090 Oct	0.001167818	0.113923058	9.31958E-06	1.465848684	4.906620026	0.044361256	0.000489281	24.00227356	0.002393992	0.009514271	0.000363044	0.000315538	0.000139239	0.120908432	1.94106E-06	0.000128222	0.000577588	0.001587574	0.000227723
2090 Nov	0.00116445	0.110729001	9.22476E-06	1.446622133	4.858766556	0.042462077	0.000500736	24.06661415	0.002389747	0.009464783	0.000345163	0.000310516	0.000137998	0.119244494	1.92595E-06	0.000129211	0.000553354	0.001552097	0.000230775
2090 Dec	0.001166046	0.110737294	9.22836E-06	1.447695851	4.868602276	0.042494047	0.000501818	24.15365791	0.00239674	0.009468555	0.000345465	0.000311344	0.000138347	0.11941763	1.92668E-06	0.000129495	0.000553614	0.001552834	0.000231774
2091 Jan	0.001166613	0.110737674	9.22926E-06	1.448056817	4.872242451	0.042506069	0.000502211	24.1860981	0.002399314	0.009469558	0.000345569	0.000311648	0.000138475	0.119480498	1.92686E-06	0.000129598	0.000553702	0.001553031	0.000232147
2091 Feb	0.00116679	0.110743418	9.22979E-06	1.448196769	4.873239994	0.04251074	0.000502329	24.19401169	0.002399953	0.009470224	0.000345594	0.000311717	0.000138507	0.11949984	1.92696E-06	0.000129626	0.00055374	0.001553097	0.000232233
2091 Mar	0.001168183	0.11087586	9.2407E-06	1.449922442	4.879065514	0.042561911	0.000502932	24.22294044	0.002402817	0.009481478	0.000346002	0.000312086	0.000138671	0.11964301	1.92923E-06	0.00012978	0.0005544	0.001554921	0.00023251
2091 Apr	0.001173666	0.11139746	9.28404E-06	1.456733823	4.901967525	0.042762484	0.00050529	24.33647919	0.002414088	0.009525974	0.000347629	0.000313549	0.000139321	0.120205276	1.93828E-06	0.000130388	0.00055701	0.001562214	0.000233599
2091 May	0.001192167	0.116481967	9.40466E-06	1.494681954	4.961071014	0.045266561	0.000506093	24.100914	0.002416494	0.009720818	0.000369404	0.000312511	0.000140366	0.123522088	1.96031E-06	0.00013045	0.00058437	0.001579397	0.000228533
2091 Jun	0.001211843	0.138548896	9.26787E-06	1.624034762	5.00130415	0.059150245	0.000450145	21.61605453	0.002352209	0.009919185	0.000495129	0.000303874	0.000141899	0.136568099	1.93163E-06	0.000122743	0.000734366	0.001599932	0.000197235
2091 Jul	0.001259014	0.144751832	9.65722E-06	1.690950513	5.192508221	0.061948318	0.000462775	22.42832756	0.002452749	0.010322268	0.000519204	0.000318431	0.000147827	0.142307192	2.0117E-06	0.000127228	0.000771459	0.001677501	0.000204601
2091 Aug	0.001255179	0.144694909	9.79453E-06	1.685498476	5.166843891	0.061442886	0.000457895	22.34735107	0.002447391	0.01036249	0.000515291	0.000319707	0.000147313	0.141430661	2.03229E-06	0.000126049	0.000768524	0.001703176	0.000201485
2091 Sep	0.001239957	0.14006348	9.80975E-06	1.653918266	5.134632587	0.058889043	0.000463861	22.65568733	0.002442406	0.010217285	0.00049217	0.000318064	0.000146603	0.138459951	2.02781E-06	0.000125399	0.000735152	0.00168999	0.000203654
2091 Oct	0.001226302	0.13264294	9.65693E-06	1.606204748	5.131679535	0.055011049	0.000482789	23.42115784	0.00244658	0.010004323	0.000456964	0.000315727	0.000145886	0.134519503	1.99561E-06	0.000126981	0.000685463	0.001639574	0.000212974
2091 Nov	0.001217174	0.126759306	9.52565E-06	1.569872022	5.102690697	0.051739302	0.000498836	23.84350777	0.00244246	0.009870877	0.000426923	0.000311962	0.000144619	0.131276801	1.97283E-06	0.000128558	0.000645038	0.001595954	0.000219737
2091 Dec	0.001218141	0.126571432	9.5261E-06	1.569460511	5.108365059	0.051635224	0.000500334	23.91530991	0.00244686	0.00987222	0.000425953	0.000312327	0.000144794	0.131280929	1.97301E-06	0.000128821	0.000643714	0.001595073	0.000220598
2092 Jan	0.001219215	0.126558274	9.52689E-06	1.570093155	5.116075516	0.051659897	0.000501066	23.98479652	0.002452257	0.009872683	0.000426187	0.000313002	0.000145068	0.131404012	1.97319E-06	0.00012903	0.000643895	0.001595476	0.000221411
2092 Feb	0.001219645	0.12657699	9.52856E-06	1.570483923	5.118570328	0.051673822	0.000501311	24.00332069	0.002453769	0.009874417	0.000426292	0.000313187	0.000145147	0.13145186	1.97354E-06	0.000129095	0.000644035	0.001595787	0.000221615
2092 Mar	0.001221351	0.126755267	9.54181E-06	1.572684884	5.12573576	0.051747032	0.000502011	24.03674889	0.00245719	0.009888199	0.000426887	0.000313622	0.000145348	0.131636545	1.97628E-06	0.000129275	0.000644942	0.001598	0.000221922
2092 Apr	0.001226102	0.127249539	9.57889E-06	1.578808188	5.145674706	0.051949147	0.00050396	24.13007927	0.00246674	0.009926653	0.00042855	0.00031484	0.000145913	0.132149294	1.98396E-06	0.000129777	0.000647458	0.00160421	0.000222783
2092 May	0.001251781	0.132213697	9.65937E-06	1.622104406	5.309503078	0.054967523	0.000508113	24.61970139	0.002509489	0.010073397	0.000455672	0.000321482	0.000149688	0.136501163	1.99994E-06	0.000131695	0.000679784	0.001625485	0.000225579
2092 Jun	0.001226239	0.144116774	8.99363E-06	1.676122546	5.331695557	0.065962553	0.000426432	23.34319878	0.002498584	0.009607195	0.000560019	0.00033487	0.000153253	0.144160032	1.88626E-06	0.000125312	0.00080803	0.001635865	0.000218248
2092 Jul	0.0012008	0.140148193	9.06171E-06	1.637949824	5.18120718	0.06347058	0.00040793	23.07058525	0.002496998	0.00954383	0.000538588	0.000343755	0.000151133	0.140054539	1.90154E-06	0.000123942	0.000799665	0.001691607	0.000219318
2092 Aug	0.001238845	0.143481091	9.37023E-06	1.682439208	5.355708599	0.064884238	0.000422881	24.13362503	0.002598832	0.009829631	0.000550745	0.000358161	0.000156687	0.144074187	1.96408E-06	0.000128428	0.000819396	0.001751291	0.000229786
2092 Sep	0.001247179	0.14107509	9.45685E-06	1.673275352	5.448246479	0.063608028	0.000434599	25.26955986	0.00266833	0.00982884	0.000539913	0.000369091	0.000159766	0.143789873	1.97728E-06	0.000131154	0.000807088	0.001770455	0.000241475
2092 Oct	0.001252031	0.137628779	9.45171E-06	1.655571461	5.552900791	0.061878521	0.000450079	26.43249512	0.002717902	0.009770913	0.000524883	0.000376879	0.000162091	0.142790139	1.97259E-06	0.000133958	0.000787073	0.001766615	0.000253222
2092 Nov	0.001255989	0.13674359	9.45516E-06	1.652753592	5.598491192	0.061474748	0.000456078	26.87987137	0.002741021	0.009762487	0.0005214	0.000380157	0.000163242	0.142798543	1.97243E-06	0.000135167	0.000782169	0.001766424	0.000257861
2092 Dec	0.001256987	0.136783764	9.45955E-06	1.653647661	5.604427338	0.061504465	0.00045663	26.92460442	0.00274462	0.009766673	0.000521669	0.000380629	0.000163434	0.142906308	1.97333E-06	0.000135321	0.000782503	0.001767344	0.000258348
2093 Jan	0.001257401	0.136777967	9.46021E-06	1.65388298	5.607513428	0.061511498	0.000456921	26.95140839	0.002746586	0.009767088	0.000521733	0.000380885	0.000163535	0.142949894	1.97347E-06	0.0001354	0.000782553	0.001767553	0.000258648
2093 Feb	0.001257723	0.136797979	9.46181E-06	1.654211998	5.609362602	0.06152387	0.00045708	26.96393585	0.002747614	0.009768678	0.000521831	0.000381021	0.000163591	0.142986014	1.9738E-06	0.000135445	0.000782694	0.001767875	0.00025878
2093 Mar	0.00126052	0.137078151	9.48121E-06	1.657740235	5.622404575	0.061657984	0.000458147	27.03393936	0.002754462	0.009788634	0.000522975	0.000381951	0.000163987	0.143307805	1.97785E-06	0.000135765	0.000784365	0.001771586	0.000259483
2093 Apr	0.0012658	0.137648672	9.52062E-06	1.664659977	5.646048546	0.061916135	0.000460073	27.14881897	0.002766123	0.009829321	0.000525164	0.000383565	0.000164679	0.143909007	1.98607E-06	0.000136336	0.000787642	0.001778964	0.000260591
2093 May	0.001284051	0.140931621	9.64324E-06	1.692536235	5.776655197	0.063489214	0.000466589	27.47109032	0.002774574	0.00998008	0.000539036	0.000386239	0.000166477	0.146259576	2.00684E-06	0.00013749	0.000804564	0.001798119	0.000259907
2093 Jun	0.001265317	0.149934247	9.36638E-06	1.726619124	5.736207008	0.069380663	0.000428222	25.39920044	0.002617558	0.009874839	0.000593104	0.000368132	0.00016212	0.149176449	1.94928E-06	0.000129908	0.000862538	0.001762533	0.000232239
2093 Jul	0.001289666	0.153378338	9.64153E-06	1.76198566	5.807082653	0.07064946	0.00043122	25.67838669	0.002669888	0.010134659	0.000604065	0.000376998	0.00016484	0.151871532	2.00599E-06	0.000131995	0.000883635	0.001821371	0.00023491
2093 Aug	0.001316593	0.156334504	9.90206E-06	1.794527292	5.909510612	0.07170102	0.000439212	26.23648643	0.002731907	0.010374353	0.000613355	0.000385831	0.000168153	0.154611975	2.05731E-06	0.000134548	0.000898816	0.001869067	0.000239626
2093 Sep	0.0013161	0.153992817	9.9455E-06	1.777602673	5.910580635	0.070033215	0.000446815	26.59644699	0.002742857	0.010372496	0.000598701	0.000386634	0.000168026	0.153107584	2.06197E-06	0.000135242	0.000879979	0.001866329	0.000242855
2093 Oct	0.00126676	0.140562579	9.66655E-06	1.660011292	5.633207321	0.061278116	0.000466898	25.99004413	0.002608506	0.010084106	0.000519296	0.000361031	0.000157747	0.141820952	1.99708E-06	0.000132597	0.00077643	0.001752868	0.000236941
2093 Nov	0.001256779	0.134905308	9.57349E-06	1.619986534	5.544352055	0.057531673	0.000484251	26.00231171	0.002580278	0.010023192	0.000484567	0.000351762	0.000154615	0.137967288	1.97938E-06	0.00013335	0.000731464	0.001703799	0.000238794
2093 Dec	0.001257846	0.134925723	9.57801E-06	1.620762348	5.549996376	0.05754441	0.00048498	26.04903793	0.002584032	0.010028095	0.000484673	0.000352188	0.000154801	0.138067439	1.98029E-06	0.000133518	0.000731583	0.001704453	0.000239309
2094 Jan	0.001258477	0.134925619	9.57924E-06	1.621158004	5.554011345	0.057556238	0.000485413	26.08464241	0.002586844	0.010029359	0.000484774	0.000352523	0.00015494	0.138134778	1.98054E-06	0.000133631	0.000731671	0.001704719	0.000239719
2094 Feb	0.001258717	0.134936601	9.58022E-06	1.621369123	5.555305004	0.057563256	0.000485554	26.09430504	0.002587643	0.010030461	0.000484819	0.000352615	0.00015498	0.138160542	1.98074E-06	0.000133665	0.00073174	0.001704874	0.000239824
2094 Mar	0.001260046	0.135078132	9.59031E-06	1.623070002	5.561128616	0.057622883	0.000486079	26.12157631	0.002590337	0.010041094	0.000485311	0.000352977	0.000155141	0.138305292	1.98282E-06	0.000133806	0.000732495	0.001706637	0.000240072
2094 Apr	0.001263626	0.135462999	9.61753E-06	1.627686977	5.576928139	0.057787262	0.000487458	26.19563293	0.002597688	0.010069625	0.000486691	0.000353978	0.000155581	0.138698861	1.98845E-06	0.000134186	0.000734582	0.00171148	0.000240752
2094 May	0.001281734	0.139005348	9.60043E-06	1.659433603	5.680422306	0.060111683	0.000492344	26.42264557	0.002621155	0.010142213	0.00050723	0.000355035	0.000157945	0.14205876	1.98725E-06	0.000135477	0.0007556	0.001704958	0.000242242
2094 Jun	0.00131144	0.149830624	9.53028E-06	1.741616488	5.829854488	0.067283347	0.0004811	26.06684494	0.002644441	0.010266283	0.000571533	0.000355602	0.000162149	0.150472179	1.97962E-06	0.000135312	0.000827048	0.00170498	0.000237133

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.001365617	0.15692763	9.95758E-06	1.816573739	6.061990261	0.070498861	0.000496934	27.05065918	0.002755328	0.01071531	0.000599406	0.000371186	0.000168887	0.157020703	2.06587E-06	0.000140324	0.000867721	0.001785925	0.000245249
2094 Aug	0.001433628	0.163856	1.04076E-05	1.900896072	6.380559921	0.073878907	0.000522795	28.78376961	0.002923675	0.011186972	0.000628771	0.000393306	0.00017859	0.164957061	2.15865E-06	0.00014789	0.000908379	0.001869985	0.000262284
2094 Sep	0.001436948	0.163409323	1.04676E-05	1.897093892	6.420443535	0.073395096	0.000527385	29.13007545	0.002933711	0.011216726	0.000624898	0.000395434	0.000179112	0.164663523	2.16613E-06	0.000148387	0.000903291	0.001877187	0.000263753
2094 Oct	0.00141439	0.156429827	1.02929E-05	1.837360501	6.367240429	0.069327801	0.000539507	29.40231895	0.002889813	0.011020298	0.000588681	0.000388376	0.000175773	0.159461558	2.12416E-06	0.000147979	0.000854996	0.001823826	0.000265678
2094 Nov	0.001385876	0.14789927	1.00916E-05	1.764773488	6.248672009	0.064004093	0.000556096	29.34037209	0.002814722	0.01082758	0.000540307	0.000374716	0.000170192	0.152728394	2.07733E-06	0.000147116	0.000792237	0.001751744	0.000264438
2094 Dec	0.00138452	0.147333086	1.00793E-05	1.760324001	6.243053436	0.063656837	0.000557591	29.36005592	0.002812011	0.010816602	0.00053714	0.000374023	0.000169923	0.152338177	2.07451E-06	0.000147152	0.000788108	0.001747062	0.000264667
2095 Jan	0.001385447	0.14733085	1.00807E-05	1.760900378	6.249312878	0.063677184	0.000558209	29.41527939	0.002816327	0.010817911	0.000537324	0.000374556	0.000170141	0.15244022	2.07482E-06	0.000147321	0.00078827	0.00174748	0.000265306
2095 Feb	0.001385705	0.147345215	1.00819E-05	1.761143088	6.250702858	0.063684732	0.000558361	29.4245491	0.002817058	0.010819306	0.000537369	0.000374642	0.000170179	0.152466729	2.07507E-06	0.000147356	0.000788348	0.001747663	0.000265401
2095 Mar	0.001386698	0.147441775	1.00885E-05	1.762347937	6.255408287	0.063730039	0.000558778	29.44967461	0.002819388	0.010826304	0.000537746	0.000374945	0.000170314	0.152578309	2.07641E-06	0.000147468	0.000788892	0.001748823	0.000265643
2095 Apr	0.001391672	0.147971526	1.01246E-05	1.768673301	6.277849197	0.063959435	0.000560779	29.5552578	0.002829503	0.010865101	0.000539676	0.000376289	0.000170924	0.153126374	2.08385E-06	0.000147996	0.000791728	0.001755087	0.000266596
2095 May	0.001381349	0.150344551	1.00855E-05	1.772320747	6.193448067	0.064923055	0.000551217	28.42809486	0.002745705	0.010891777	0.000547635	0.000363789	0.000167175	0.152885169	2.07223E-06	0.000144576	0.00080068	0.001737854	0.00025196
2095 Jun	0.001377327	0.158214763	1.00645E-05	1.812373281	6.113863945	0.069351807	0.000526035	26.72065735	0.002660371	0.010978704	0.000586928	0.00035157	0.000164456	0.156093791	2.0658E-06	0.000139517	0.000847941	0.001739106	0.000230973
2095 Jul	0.001436102	0.165643573	1.05224E-05	1.891899705	6.360010147	0.072569147	0.00054501	27.72969246	0.002771238	0.011466909	0.000614634	0.000366319	0.00017129	0.162903756	2.15858E-06	0.000144921	0.000887407	0.001819168	0.000239067
2095 Aug	0.001422587	0.165526778	1.05501E-05	1.878474832	6.24905777	0.072094701	0.000531727	27.04846573	0.00272896	0.011423927	0.00061164	0.000360094	0.000168736	0.161274016	2.16003E-06	0.000141826	0.000880051	0.001816926	0.000230844
2095 Sep	0.001418734	0.163423255	1.05773E-05	1.866400361	6.233604908	0.070955426	0.000534392	27.28887749	0.002743211	0.011351788	0.000601723	0.000360143	0.000169135	0.160235882	2.16304E-06	0.000141744	0.00086248	0.001810286	0.000233693
2095 Oct	0.00142405	0.161816508	1.05674E-05	1.861877561	6.292710781	0.070378594	0.000542858	27.99968338	0.002788621	0.011304956	0.000596806	0.000365316	0.000171307	0.160396442	2.16061E-06	0.000143521	0.000853388	0.001805807	0.000242026
2095 Nov	0.00140882	0.15699628	1.04623E-05	1.826071978	6.251146317	0.067752808	0.000549864	28.18258667	0.002767631	0.011147418	0.000573199	0.000361087	0.000169621	0.157165274	2.1377E-06	0.000143318	0.000820068	0.001771958	0.00024436
2095 Dec	0.001407495	0.156367779	1.04521E-05	1.821756482	6.248323441	0.067394711	0.000551385	28.22776794	0.002766408	0.011132067	0.000569949	0.000360663	0.000169463	0.15677996	2.13543E-06	0.000143396	0.000815595	0.001767794	0.000244884
2096 Jan	0.001408419	0.156358093	1.04533E-05	1.82230556	6.254846096	0.067414671	0.000552006	28.28612518	0.002770937	0.011132729	0.000570132	0.000361227	0.000169693	0.156882897	2.13569E-06	0.000143569	0.000815735	0.001768197	0.000245564
2096 Feb	0.00140904	0.156412855	1.0457E-05	1.823024511	6.25796032	0.067442529	0.000552284	28.30418777	0.002772543	0.011136618	0.000570351	0.000361428	0.000169783	0.156953692	2.13644E-06	0.000143642	0.000816047	0.001768837	0.000245743
2096 Mar	0.001410033	0.156525031	1.04643E-05	1.824319363	6.262369633	0.067491367	0.000552669	28.32384682	0.002774482	0.011144452	0.000570752	0.000361679	0.000169902	0.157065481	2.13794E-06	0.000143742	0.000816632	0.001770069	0.000245912
2096 Apr	0.001414774	0.157052636	1.04994E-05	1.830460072	6.28342104	0.067719199	0.000554524	28.41886711	0.0027838	0.011181911	0.000572673	0.000362893	0.000170472	0.157594368	2.14512E-06	0.000144225	0.000819386	0.001776013	0.000246737
2096 May	0.001433502	0.158614039	1.05214E-05	1.852005243	6.465520382	0.069128886	0.000563992	29.4173069	0.002839518	0.01121038	0.000585639	0.000372206	0.000174653	0.160208255	2.14878E-06	0.000146963	0.000832591	0.001786428	0.000255586
2096 Jun	0.001299469	0.146031097	9.52531E-06	1.716526389	5.978458881	0.066417068	0.000472446	27.55459785	0.002711823	0.010023969	0.000566279	0.000377627	0.000166474	0.148895517	1.97445E-06	0.000136508	0.000824773	0.001754322	0.000252575
2096 Jul	0.001294214	0.143427685	9.68495E-06	1.704647899	5.895349026	0.064661823	0.000464356	27.68952942	0.002760223	0.010075569	0.000550452	0.000390471	0.000167046	0.147124514	2.01487E-06	0.000137801	0.000822613	0.001820724	0.000259654
2096 Aug	0.001339708	0.147816718	1.00503E-05	1.76044035	6.100495338	0.066538423	0.000481727	28.82522202	0.002871579	0.010428902	0.0005664	0.000406244	0.000173309	0.152028173	2.08969E-06	0.000142921	0.000848196	0.001890605	0.000270679
2096 Sep	0.001304287	0.141377226	1.00215E-05	1.697827578	5.892876625	0.06206255	0.00047918	28.10406685	0.002788369	0.010308811	0.000525905	0.000395498	0.000167017	0.145450726	2.07642E-06	0.000139699	0.000803241	0.001871964	0.000262421
2096 Oct	0.001246531	0.128757566	9.80322E-06	1.579724431	5.536628723	0.053393044	0.000492455	26.85116196	0.002619273	0.01007453	0.000446438	0.000366133	0.00015463	0.133593261	2.0205E-06	0.000135116	0.0007057	0.001773744	0.000248524
2096 Nov	0.001241268	0.126609027	9.7883E-06	1.561777949	5.485147953	0.051690016	0.000500399	26.68222427	0.002591022	0.010080618	0.000430421	0.000359722	0.000152454	0.131689489	2.0153E-06	0.000134905	0.000685733	0.001752447	0.000246357
2096 Dec	0.001242025	0.126604766	9.79004E-06	1.562208533	5.489718437	0.05169915	0.000500941	26.72417068	0.002594351	0.01008245	0.000430509	0.000360106	0.000152617	0.131765351	2.01565E-06	0.000135037	0.00068579	0.001752759	0.000246839
2097 Jan	0.001242408	0.126597598	9.79045E-06	1.562396765	5.49224472	0.0517038	0.00050123	26.74762726	0.002596166	0.010082908	0.000430546	0.000360316	0.000152705	0.131804824	2.01574E-06	0.000135108	0.000685804	0.00175284	0.000247112
2097 Feb	0.001242484	0.126599163	9.79069E-06	1.562447071	5.492630482	0.051704474	0.000501291	26.75065422	0.002596395	0.01008327	0.000430536	0.000360336	0.000152715	0.131811678	2.01578E-06	0.000135119	0.000685803	0.001752844	0.000247144
2097 Mar	0.001243267	0.126679659	9.79685E-06	1.563432813	5.496059895	0.051737115	0.000501609	26.76709938	0.002597996	0.010089664	0.0004308	0.000360555	0.000152809	0.131894663	2.01705E-06	0.000135204	0.000686233	0.001753929	0.000247294
2097 Apr	0.001248677	0.127231866	9.83946E-06	1.570240974	5.519974709	0.051962897	0.00050379	26.88343048	0.002609295	0.010133562	0.000432676	0.000362123	0.000153473	0.132469147	2.02582E-06	0.000135791	0.000689224	0.001761556	0.000248368
2097 May	0.001260134	0.130149201	9.95254E-06	1.591726542	5.530290604	0.052949741	0.000507639	26.5276165	0.002591309	0.010303668	0.000440512	0.000357568	0.000152895	0.133934796	2.04631E-06	0.000135611	0.000699679	0.001768377	0.00024231
2097 Jun	0.001257087	0.14153713	9.77015E-06	1.651437879	5.395790577	0.059869014	0.000473519	24.08456612	0.002487584	0.010352214	0.000502335	0.000336932	0.000149648	0.139592901	2.01144E-06	0.000128785	0.000766427	0.001732205	0.00021493
2097 Jul	0.00130182	0.147482693	1.01553E-05	1.713902235	5.569447994	0.062418398	0.000485336	24.79860115	0.002578219	0.010747889	0.00052432	0.000349856	0.00015496	0.144873798	2.08973E-06	0.000132795	0.000800304	0.001805965	0.000220947
2097 Aug	0.001329299	0.150969803	1.04151E-05	1.750064611	5.67040205	0.063749336	0.000492745	25.24146843	0.002632764	0.010997355	0.000535955	0.000357307	0.000158068	0.147862673	2.14119E-06	0.000135088	0.000817786	0.001851662	0.000224233
2097 Sep	0.001343585	0.152268633	1.05422E-05	1.765945792	5.728965282	0.064222321	0.000498354	25.60933685	0.002669187	0.011109341	0.000540121	0.000361829	0.000159998	0.149302959	2.16586E-06	0.000136511	0.000823636	0.00187253	0.000227432
2097 Oct	0.001329937	0.149633422	1.04794E-05	1.739502549	5.663966656	0.062565178	0.000498235	25.41670609	0.002635297	0.011018335	0.000525617	0.000356326	0.000157722	0.146808729	2.14984E-06	0.000135205	0.000803066	0.001849828	0.000224884
2097 Nov	0.001321727	0.147762015	1.04256E-05	1.722150803	5.626978874	0.061443876	0.000499661	25.33839989	0.002615912	0.010956144	0.000515649	0.000352856	0.000156358	0.145231083	2.13734E-06	0.000134624	0.000789078	0.001832284	0.000224047
2097 Dec	0.001320351	0.147386417	1.04132E-05	1.718877554	5.621688843	0.061236888	0.000500116	25.34214592	0.00261369	0.01094285	0.000513814	0.000352365	0.000156169	0.144959986	2.13459E-06	0.000134568	0.000786452	0.00182872	0.000224135
2098 Jan	0.00132105	0.147384584	1.04142E-05	1.71929276	5.626439095	0.061252758	0.000500576	25.38427162	0.002616988	0.010943676	0.000513954	0.000352768	0.000156335	0.14503707	2.13481E-06	0.000134692	0.000786569	0.001829013	0.000224623
2098 Feb	0.001321263	0.147401124	1.04154E-05	1.719516635	5.62751627	0.061261117	0.000500683	25.39092445	0.002617555	0.010944935	0.000514003	0.000352834	0.000156364	0.145060465	2.13503E-06	0.000134718	0.000786656	0.001829187	0.000224689
2098 Mar	0.001321815	0.147464931	1.04197E-05	1.720244646	5.629844189	0.061287783	0.000500889	25.40095711	0.002618605	0.010949533	0.000514214	0.000352973	0.000156427	0.145121783	2.13592E-06	0.000134772	0.000786991	0.001829933	0.000224774
2098 Apr	0.001324703	0.147863194	1.04439E-05	1.724283576	5.640506744	0.061434504	0.000502026	25.4262104	0.002621658	0.01097717	0.000514915	0.000353256	0.0001566	0.14543511	2.14072E-06	0.00013499	0.000788662	0.001833166	0.000224799
2098 May	0.001321717	0.15634501	1.03531E-05	1.765594006	5.596376896	0.066508643	0.000477311	23.84936142	0.002536129	0.011008933	0.000554783	0.000339482	0.00015382	0.149300218	2.11692E-06	0.00012963	0.000837205	0.001814292	0.000203763
2098 Jun	0.001276736	0.164837196	9.50237E-06	1.794713497	5.410955429	0.075763129	0.000402338	21.64063835	0.002477537	0.010324989	0.00063957	0.000329907	0.000153535	0.155043781	1.96297E-06	0.000120159	0.000922435	0.00172541	0.000189019
2098 Jul	0.00132765	0.171374723	9.9084E-06	1.866502881	5.616722584	0.078767225	0.000415905	22.53821945	0.002588722	0.01074567	0.000665395	0.000345686	0.000160053	0.161245063	2.04767E-06	0.000125069	0.000961602	0.001806407	0.000197737
2098 Aug	0.001321412	0.170152754	1.00421E-05	1.854167104	5.551849842	0.077415742	0.000413878	22.33500862	0.002575378	0.010788366	0.00065393	0.000344486	0.000158676	0.159508556	2.06974E-06	0.000123954	0.000949435	0.001825301	0.000194364
2098 Sep	0.001265117	0.155859172	9.83197E-06	1.739756703	5.300216198	0.068935908	0.000427117	22.07712746	0.002474458	0.010385993	0.000578495	0.000326574	0.000150909	0.148459911	2.01795E-06	0.000120939	0.000848143	0.00174127	0.000192366
2098 Oct	0.001245583	0.140933901	9.57033E-06	1.646116138	5.227097034	0.060471032	0.000469136	23.36824608	0.002493335	0.010091843	0.000502498	0.000320726	0.000148712	0.140437499	1.97019E-06	0.000125246	0.000746288	0.001645288	0.00021196
2098 Nov	0.001244772	0.135654539	9.47142E-06	1.617846012	5.231335163	0.05755011	0.000487874	24.06002808	0.002518563	0.010006056	0.000476188	0.000320847	0.00014887	0.138143599	1.95544E-06	0.000127992	0.000711161	0.001611336	0.000222323
2098 Dec	0.001245794	0.135659382	9.47539E-06	1.618481278	5.237008572	0.05755562	0.000488628	24.10850716	0.002522307	0.01001034	0.000476232	0.00032127	0.000149054	0.138233885	1.95623E-06	0.000128157	0.000711193	0.001611881	0.000222858
2099 Jan	0.001246404	0.13566114	9.47678E-06	1.618858337	5.240886211	0.057566792	0.000489042	24.14212608	0.002524932	0.010011759	0.000476328	0.000321586	0.000149185	0.138297021	1.95652E-06	0.000128261	0.000711282	0.001612171	0.000223242
2099 Feb	0.001246885	0.135677323	9.47835E-06	1.619249225	5.243764877	0.057581607	0.000489322	24.16475487	0.002526773	0.010013384	0.000476446	0.000321811	0.00014928	0.138350308	1.95684E-06	0.000128334	0.000711428	0.00161249	0.000223497
2099 Mar	0.001248704	0.135874361	9.49201E-06	1.621603608	5.251471519	0.05766603	0.00049004	24.20065498	0.002530502	0.010027849	0.000477138	0.000322284	0.000149499	0.138552934	1.95966E-06	0.000128522	0.000712465	0.001614813	0.00022383
2099 Apr	0.00125703	0.136917576	9.55151E-06	1.632792234	5.284956932	0.058092624	0.000493639	24.31377029	0.002542412	0.010098812	0.000479152	0.000323426	0.000150137	0.139493257	1.97159E-06	0.000129252	0.000717163	0.001622746	0.000224514
2099 May	0.001310832	0.158896789	9.40965E-06	1.785720825	5.54477787	0.071882538	0.000473899	23.08959007	0.002523196	0.01036738	0.000541801	0.000312083	0.000149128	0.155066922	1.94396E-06	0.000126661	0.000846538	0.001588947	0.000203855
2099 Jun	0.001321908	0.16679287	9.24256E-06	1.841518402	5.642725945	0.078328274	0.000444938	23.04446793	0.002586105	0.010274674	0.00060249	0.000324103	0.000154585	0.16177085	1.91958E-06	0.000125946	0.000917029	0.001611045	0.000206486
2099 Jul	0.001366974	0.173099339	9.61008E-06	1.905748963	5.831912994	0.081246115	0.000455641	23.82537842	0.002681318	0.01065483	0.000627645	0.00033799	0.00016029	0.167412832	1.99368E-06	0.000129895	0.000954612	0.001684557	0.000212962
2099 Aug	0.001405214	0.177480608	9.96467E-06	1.9557935	5.991619587	0.082969107	0.000469015	24.57914734	0.002760523	0.01098296	0.000642636	0.00034867	0.000165006	0.171566069	2.06379E-06	0.00013341	0.000976349	0.001745278	0.000218762
2099 Sep	0.001367779	0.169973299	9.91294E-06	1.889942884	5.831440926	0.078289777	0.000467902	24.20225143	0.002683875	0.010769526	0.000608271	0.000339401	0.00016053	0.164762229	2.04534E-06	0.000130409	0.000923995	0.001719653	0.000213534
2099 Oct	0.001336743	0.160767123	9.79719E-06	1.815945148	5.699468613	0.072565608	0.000480954	24.21669006	0.002623175	0.010572392	0.000563517	0.000329641	0.000156232	0.157589421	2.0159E-06	0.000129469	0.000859357	0.001671174	0.000213817
2099 Nov	0.001321262	0.155388415	9.71151E-06	1.773552895	5.63772583	0.069260396	0.000490955	24.33592033	0.002594744	0.010463724	0.000537307	0.000324575	0.000154006	0.153629154	1.99578E-06	0.000129457	0.000822065	0.001639376	0.000215502
2099 Dec	0.001322036	0.155409962	9.71551E-06	1.774151325	5.641703606	0.06926997	0.000491466	24.36731339	0.002597269	0.010467856	0.000537396	0.000324866	0.000154134	0.153699622	1.99659E-06	0.00012957	0.000822171	0.001639974	0.00021584
2100 Jan	0.001322814	0.155386582	9.716E-06	1.774482608	5.647357464	0.06928052	0.000492027	24.42069817	0.002601365	0.010467943	0.000537525	0.000325375	0.000154339	0.153781548	1.9967E-06	0.000129721	0.000822228	0.001640256	0.00021647
2100 Feb	0.001323122	0.155387163	9.71661E-06	1.774672508	5.649418354	0.069287218	0.000492232	24.43849373	0.002602749	0.010468495	0.000537582	0.000325545	0.000154409	0.153814584	1.99682E-06	0.000129774	0.000822283	0.001640407	0.000216674
2100 Mar	0.001323529	0.155433923	9.71958E-06	1.775209904	5.651159286	0.069307737	0.000492391	24.44608688	0.002603538	0.010471717	0.000537734	0.000325642	0.000154455	0.15386118	1.99743E-06	0.000129814	0.000822525	0.001640893	0.000216741
2100 Apr	0.00132992	0.156184912	9.76651E-06	1.783783197	5.678435326	0.069642499	0.000494769	24.56393433	0.002616093	0.010522299	0.000540327	0.000327211	0.000155199	0.154604107	2.00707E-06	0.000130441	0.000826496	0.00164881	0.000217784
2100 May	0.00133799	0.1588016	9.79981E-06	1.800708175	5.748539925	0.070975162	0.000495567	24.54821205	0.002602242	0.010612153	0.000561272	0.000327219	0.000156422	0.156025141	2.01127E-06	0.000130527	0.00084254	0.001657546	0.000214546
2100 Jun	0.001291144	0.160805449	9.24264E-06	1.790944219	5.58107996	0.07522697	0.000430585	23.35629463	0.002581298	0.010082569	0.000624339	0.000335655	0.000158268	0.156699687	1.91877E-06	0.000125001	0.000898559	0.001656966	0.000211669
2100 Jul	0.001288948	0.159383059	9.33701E-06	1.781883359	5.569818497	0.07438001	0.000425487	23.70226669	0.002621621	0.010099052	0.000619281	0.000346278	0.000159593	0.155819207	1.93904E-06	0.00012585	0.000900007	0.001701063	0.00021757
2100 Aug	0.001259344	0.153735876	9.38298E-06	1.728255987	5.416609287	0.070426956	0.000418647	23.28183556	0.002561282	0.009983419	0.000586669	0.000341271	0.000155276	0.149939701	1.94158E-06	0.000123128	0.000860327	0.001703691	0.000212505
2100 Sep	0.001247044	0.148415878	9.41844E-06	1.693891406	5.367549896	0.067201048	0.000426836	23.60816765	0.002562082	0.009881497	0.000558901	0.000340482	0.00015443	0.146470711	1.94579E-06	0.000123306	0.00082249	0.001695258	0.000216678
2100 Oct	0.001250432	0.146299198	9.43693E-06	1.685429692	5.402645588	0.06604138	0.000436707	24.159935	0.002591562	0.009861249	0.000548843	0.000343451	0.000155645	0.14589265	1.94914E-06	0.000124851	0.000808047	0.001691713	0.000223111
2100 Nov	0.001252918	0.145967901	9.44944E-06	1.685769439	5.417760372	0.065856792	0.000439577	24.32261276	0.002602293	0.009867405	0.000547208	0.000344648	0.00015615	0.145957321	1.95212E-06	0.000125432	0.000805727	0.001692666	0.000225083
2100 Dec	0.001254323	0.146043465	9.45597E-06	1.687093496	5.425366402	0.065907963	0.000440283	24.38039398	0.002607338	0.009873722	0.000547665	0.00034527	0.000156414	0.1461173	1.95347E-06	0.000125626	0.000806288	0.001693977	0.000225718
2101 Jan	0.001255465	0.146039501	9.45766E-06	1.68775177	5.433053017	0.065937229	0.000440999	24.45224953	0.002613149	0.009874717	0.000547954	0.000345981	0.000156703	0.146248803	1.95382E-06	0.000125825	0.000806529	0.001694577	0.00022655
2101 Feb	0.001256129	0.146034613	9.45835E-06	1.688129306	5.437838078	0.065954812	0.000441422	24.49530411	0.002616533	0.009874967	0.00054812	0.000346406	0.000156875	0.14632529	1.95397E-06	0.000125944	0.000806669	0.001694894	0.000227055
2101 Mar	0.001256478	0.146070227	9.46069E-06	1.68856585	5.43946743	0.065972164	0.000441558	24.50392723	0.002617376	0.009877388	0.00054826	0.000346515	0.000156923	0.146365926	1.95445E-06	0.000125982	0.000806874	0.001695319	0.00022714
2101 Apr	0.001260128	0.146494359	9.48787E-06	1.693464518	5.455343723	0.066165447	0.00044284	24.57600784	0.002625054	0.009905831	0.000549853	0.000347527	0.000157381	0.146793261	1.96007E-06	0.000126349	0.000809226	0.001700197	0.000227811
2101 May	0.001263439	0.150642514	9.56457E-06	1.719403863	5.455448151	0.068058848	0.000437433	23.78687477	0.002566448	0.010022723	0.000568015	0.000339262	0.000155943	0.148326367	1.9723E-06	0.000124317	0.000827599	0.001704021	0.000215316

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.001260881	0.155544907	9.3512E-06	1.750105262	5.451368809	0.072183914	0.000414482	23.17435455	0.002562863	0.009907224	0.000609886	0.000339703	0.000157597	0.151914626	1.93866E-06	0.000122503	0.000870815	0.00169482	0.00021148
2101 Jul	0.0013138	0.161680818	9.7288E-06	1.821202755	5.684308529	0.075170867	0.000431124	24.31924438	0.00268821	0.010300666	0.000635628	0.000356838	0.000164916	0.158343554	2.01792E-06	0.000128008	0.000908102	0.001769585	0.000223102
2101 Aug	0.001363596	0.167310968	1.00935E-05	1.886483312	5.905524731	0.077819169	0.000448399	25.41452026	0.002802849	0.010673833	0.000658285	0.000371951	0.000171638	0.164240465	2.0927E-06	0.000133066	0.000940258	0.001836815	0.000233482
2101 Sep	0.00133724	0.163376629	1.01016E-05	1.844928265	5.765445232	0.074899845	0.000445579	24.79067612	0.002727037	0.010602629	0.000632632	0.000362526	0.00016683	0.159621999	2.08636E-06	0.000130058	0.000910346	0.001826128	0.000224211
2101 Oct	0.001335214	0.160113722	1.0083E-05	1.822957277	5.780255318	0.072915569	0.000457781	25.27244568	0.002736261	0.01056674	0.000614987	0.00036276	0.000166681	0.157827049	2.07948E-06	0.000131204	0.000887688	0.001811396	0.000229132
2101 Nov	0.001314743	0.153712004	9.96427E-06	1.76952517	5.697563171	0.068809375	0.000470864	25.24940491	0.00267973	0.010446222	0.000578128	0.000353298	0.000162562	0.152692467	2.05082E-06	0.00013073	0.000840818	0.001764736	0.000228225
2101 Dec	0.00131206	0.152781472	9.95648E-06	1.761794806	5.681223392	0.068118967	0.000473488	25.20597839	0.002668024	0.010442044	0.000571813	0.000351241	0.000161741	0.151862532	2.04848E-06	0.000130654	0.000833085	0.001757801	0.000227533
2102 Jan	0.001312649	0.152758166	9.95683E-06	1.761991382	5.685458183	0.068121493	0.000473958	25.24609184	0.002671006	0.010442287	0.000571834	0.0003516	0.000161886	0.151918873	2.04855E-06	0.000130768	0.000833061	0.001757921	0.000228002
2102 Feb	0.00131284	0.152773589	9.95806E-06	1.76219523	5.686323643	0.068127289	0.000474066	25.25080872	0.002671399	0.01044371	0.000571859	0.000351642	0.000161906	0.151937634	2.04879E-06	0.000130789	0.000833126	0.001758084	0.000228043
2102 Mar	0.001313412	0.152838349	9.96221E-06	1.762946486	5.688838005	0.068156742	0.00047428	25.26249886	0.002672604	0.010448114	0.000572095	0.000351796	0.000161977	0.152004033	2.04964E-06	0.000130847	0.000833479	0.001758809	0.00022815
2102 Apr	0.001316261	0.153171182	9.98379E-06	1.766777277	5.701179504	0.06830547	0.000475306	25.31713104	0.002678393	0.010470768	0.000573337	0.000352557	0.000162327	0.152334556	2.05408E-06	0.00013113	0.000835295	0.001762616	0.000228643
2102 May	0.001330157	0.154788658	1.0089E-05	1.78542757	5.761398792	0.069027781	0.00048032	25.58485603	0.002706718	0.010581186	0.0005794	0.000356284	0.000164043	0.153944209	2.07574E-06	0.000132514	0.000844123	0.001781208	0.000231062
2102 Jun	0.001146365	0.123903722	9.63721E-06	1.491862297	4.848231792	0.050350722	0.000421918	22.86914444	0.002406332	0.009724475	0.000415624	0.000344155	0.00013971	0.123684064	1.98572E-06	0.000120633	0.000694137	0.001792679	0.000214075
2102 Jul	0.001073788	0.111212619	9.57654E-06	1.377500892	4.441911697	0.042650267	0.000389358	21.87878418	0.002333251	0.009428275	0.000348489	0.000349831	0.000131372	0.111555718	1.98067E-06	0.000116761	0.000642369	0.001848473	0.000212557
2102 Aug	0.001083438	0.112145327	9.81693E-06	1.388165951	4.437415123	0.042246163	0.000391737	21.85081291	0.002344535	0.009612909	0.000344457	0.000352438	0.000131502	0.111677594	2.02691E-06	0.000117269	0.000643345	0.001889536	0.000211125
2102 Sep	0.001074014	0.110698402	9.8938E-06	1.373191833	4.349078178	0.040751133	0.000390946	21.39614296	0.002307003	0.009635272	0.000330753	0.000346441	0.000128914	0.109578602	2.03863E-06	0.000115728	0.000627266	0.00189016	0.000205213
2102 Oct	0.001040395	0.104565784	9.68706E-06	1.311484098	4.140533447	0.036695007	0.000397228	20.4403038	0.002193468	0.009435562	0.000293916	0.000323203	0.00012166	0.103642419	1.98895E-06	0.000111954	0.000571513	0.001801894	0.000194052
2102 Nov	0.001043661	0.104501665	9.70148E-06	1.312755823	4.154053688	0.03661466	0.000400413	20.5707531	0.002203235	0.0094532	0.000293104	0.000323798	0.000122078	0.103843845	1.99154E-06	0.000112431	0.000570119	0.001801422	0.000195441
2102 Dec	0.001045179	0.104531027	9.70562E-06	1.313836455	4.163453102	0.036657251	0.00040131	20.65049553	0.002209773	0.00945704	0.000293503	0.0003246	0.000122411	0.104012288	1.9924E-06	0.000112672	0.00057053	0.001802406	0.000196363
2103 Jan	0.001045354	0.104539946	9.70666E-06	1.313989878	4.164218903	0.036660045	0.000401423	20.65577316	0.002210216	0.009458202	0.000293515	0.000324643	0.000122432	0.104028039	1.9926E-06	0.000112694	0.000570556	0.001802522	0.000196416
2103 Feb	0.001045638	0.104570702	9.70926E-06	1.314356804	4.165308952	0.036670905	0.000401534	20.66060829	0.002210754	0.009460825	0.00029359	0.000324717	0.000122462	0.104056932	1.99313E-06	0.000112722	0.000570712	0.001802975	0.000196458
2103 Mar	0.00104626	0.104634322	9.71497E-06	1.315145016	4.167785645	0.036693748	0.000401769	20.67267036	0.002212054	0.009466424	0.000293767	0.000324907	0.000122533	0.104119681	1.9943E-06	0.000112789	0.000571059	0.001804032	0.000196572
2103 Apr	0.001049438	0.104953051	9.74445E-06	1.319144487	4.180449009	0.03680585	0.000402988	20.73535347	0.002218768	0.009495165	0.000294661	0.000325892	0.000122905	0.104436524	2.00035E-06	0.000113131	0.000572799	0.001809504	0.000197167
2103 May	0.001104016	0.115143418	9.80236E-06	1.40895617	4.524086475	0.043347865	0.000416632	21.77139091	0.002306378	0.009720423	0.000353748	0.00033384	0.000130965	0.114048019	2.01108E-06	0.000116892	0.000632122	0.001811813	0.000203408
2103 Jun	0.00118906	0.139469698	9.307E-06	1.60376811	5.106414795	0.061801787	0.000401598	22.84744072	0.002479745	0.009687328	0.000523266	0.000346429	0.0001484	0.137045652	1.92702E-06	0.000120233	0.000797024	0.001745907	0.000213676
2103 Jul	0.001201946	0.140995875	9.46418E-06	1.619519711	5.138114452	0.062359571	0.00039909	23.11554337	0.002524896	0.009806172	0.000528989	0.000354591	0.000150461	0.138323128	1.96076E-06	0.000121475	0.000808292	0.001786425	0.000217737
2103 Aug	0.001178246	0.138079315	9.60044E-06	1.571509242	4.924604416	0.058832183	0.000383272	22.00736809	0.002422925	0.009801923	0.000500486	0.000341045	0.000143741	0.132430881	1.97839E-06	0.000116687	0.000767698	0.00178098	0.000203383
2103 Sep	0.001171299	0.132628441	9.57373E-06	1.531642079	4.865860939	0.055140197	0.000397565	22.26646614	0.00240889	0.009712006	0.000467895	0.000333461	0.00014173	0.128675133	1.97012E-06	0.000117007	0.000717487	0.001735534	0.000206738
2103 Oct	0.001163106	0.121808283	9.35728E-06	1.465345979	4.773808479	0.048530005	0.000436527	22.90438271	0.002402688	0.009541703	0.000407038	0.000319719	0.000138665	0.122834913	1.93265E-06	0.000120249	0.000630172	0.001629011	0.000218379
2103 Nov	0.001164287	0.119095154	9.30823E-06	1.451022029	4.758214951	0.046824936	0.000450221	23.13439751	0.002408189	0.009526926	0.000390902	0.000316327	0.000138111	0.121632606	1.92489E-06	0.000121628	0.000608099	0.0016009	0.000222262
2103 Dec	0.001165599	0.119096808	9.31098E-06	1.451778293	4.766498089	0.046849269	0.000451113	23.20750809	0.002413973	0.009529727	0.000391133	0.000317009	0.000138399	0.121768698	1.92544E-06	0.000121845	0.000608285	0.001601467	0.000223108
2104 Jan	0.00116568	0.119095668	9.31148E-06	1.45180428	4.766726494	0.046845	0.000451213	23.20931435	0.002414061	0.009530493	0.000391077	0.000316998	0.0001384	0.121770836	1.92553E-06	0.000121856	0.000608227	0.001601425	0.000223121
2104 Feb	0.001165795	0.119108453	9.31245E-06	1.451945901	4.767096519	0.046848461	0.000451274	23.21034241	0.002414176	0.00953164	0.000391087	0.000317003	0.000138406	0.121781379	1.92572E-06	0.000121866	0.000608266	0.001601528	0.000223123
2104 Mar	0.001166528	0.119184725	9.31829E-06	1.452863932	4.770063877	0.046878394	0.000451558	23.22443199	0.002415653	0.009537674	0.000391328	0.000317195	0.00013849	0.121858187	1.92692E-06	0.000121941	0.000608651	0.001602517	0.000223256
2104 Apr	0.001172138	0.119758703	9.36305E-06	1.459854841	4.793013573	0.047104552	0.000453728	23.33610344	0.002427272	0.009583514	0.000393211	0.000318719	0.000139156	0.12244492	1.93618E-06	0.000122527	0.000611584	0.001610216	0.000224329
2104 May	0.001205742	0.131232396	9.46038E-06	1.543648243	4.939341068	0.053544603	0.000452871	22.73153305	0.002414437	0.009887112	0.000449471	0.000313514	0.000141382	0.130262062	1.95148E-06	0.000121966	0.000677463	0.00162015	0.000211642
2104 Jun	0.001224797	0.145335495	9.13002E-06	1.645114541	5.107237339	0.064666323	0.000418716	22.24014473	0.002468684	0.009787749	0.000550115	0.000321344	0.000148421	0.142054424	1.89514E-06	0.000120201	0.000793274	0.001619377	0.000207788
2104 Jul	0.001249251	0.149446979	9.39335E-06	1.683742166	5.194860458	0.066453837	0.000420359	22.52513313	0.002520157	0.010040519	0.000565798	0.000330541	0.000151411	0.145204052	1.94791E-06	0.000121995	0.000819822	0.001678652	0.000209802
2104 Aug	0.001260032	0.151021719	9.60949E-06	1.697702289	5.211071968	0.066556863	0.000421867	22.52865028	0.002530234	0.010205933	0.00056663	0.000332599	0.000151871	0.145819187	1.98815E-06	0.000122265	0.000823763	0.001713169	0.000207976
2104 Sep	0.001229634	0.145309508	9.58384E-06	1.646778822	5.05810976	0.062809028	0.000421768	21.99113274	0.002455017	0.010050344	0.000532609	0.000321265	0.000146957	0.140363306	1.97536E-06	0.000119254	0.00077916	0.00168496	0.000200962
2104 Oct	0.001203833	0.136495501	9.46346E-06	1.580938578	4.919390678	0.057252504	0.000440402	21.91061401	0.002395937	0.009884689	0.000481252	0.000308114	0.000141957	0.133885622	1.94764E-06	0.000118781	0.000712715	0.001622986	0.000200992
2104 Nov	0.001202164	0.133974016	9.43337E-06	1.566699743	4.901869297	0.055719107	0.0004494	22.09947395	0.00239947	0.009857749	0.000466919	0.000306449	0.00014146	0.13257882	1.94319E-06	0.000119718	0.000694375	0.001606403	0.000204218
2104 Dec	0.001203312	0.133991703	9.43674E-06	1.567459226	4.908662319	0.055745699	0.000450112	22.1590786	0.00240438	0.009861006	0.000467168	0.000307031	0.000141703	0.132701144	1.94387E-06	0.000119896	0.000694626	0.00160711	0.000204901
2105 Jan	0.001203882	0.133978322	9.43707E-06	1.567699313	4.912724972	0.055755075	0.000450522	22.19704628	0.002407316	0.00986116	0.000467256	0.000307385	0.000141848	0.132761791	1.94394E-06	0.00012	0.000694679	0.001607277	0.000205349
2105 Feb	0.001204051	0.133992314	9.43819E-06	1.567884684	4.91347456	0.055760734	0.00045061	22.20125198	0.002407696	0.009862388	0.000467289	0.000307427	0.000141868	0.132779092	1.94416E-06	0.000120019	0.000694742	0.001607436	0.00020539
2105 Mar	0.001204325	0.134023547	9.44027E-06	1.56824398	4.914601803	0.055774134	0.000450711	22.20628548	0.002408244	0.009864595	0.000467395	0.000307496	0.0001419	0.132809997	1.94459E-06	0.000120045	0.000694905	0.001607789	0.000205436
2105 Apr	0.001207496	0.134377182	9.4651E-06	1.572377086	4.927545547	0.05592154	0.000451896	22.26467896	0.002414581	0.009890557	0.000468626	0.000308304	0.000142273	0.133160189	1.94971E-06	0.000120361	0.00069674	0.001612017	0.000205975
2105 May	0.001225808	0.139562234	9.52521E-06	1.611904979	5.016729355	0.058708739	0.000455517	22.09151649	0.002407938	0.010058127	0.000492638	0.000305903	0.000143345	0.136749908	1.95955E-06	0.000120632	0.000725345	0.001616487	0.000200646
2105 Jun	0.001251477	0.149559975	9.49507E-06	1.687080741	5.171663284	0.065459155	0.00044183	21.93707657	0.002444423	0.010173948	0.000553447	0.000311842	0.000147977	0.144546136	1.95717E-06	0.000120684	0.00079796	0.001638656	0.000197499
2105 Jul	0.00128069	0.154399976	9.77745E-06	1.730211377	5.275988102	0.067454085	0.000445925	22.21936417	0.002491087	0.010459126	0.000571222	0.000318822	0.000150948	0.148090973	2.0122E-06	0.000122461	0.000823498	0.00169054	0.000198286
2105 Aug	0.001259498	0.151055053	9.76722E-06	1.690420747	5.172880173	0.065105431	0.00043594	21.88807297	0.002440994	0.010311805	0.000552489	0.000312527	0.000147816	0.144090921	2.0029E-06	0.000119425	0.000792511	0.00167315	0.000193477
2105 Sep	0.001234946	0.137715682	9.55005E-06	1.613204479	5.133406162	0.05851743	0.000460772	23.25253868	0.002483115	0.009868857	0.00049305	0.000312255	0.000148212	0.137623951	1.96393E-06	0.000121931	0.000704253	0.001599599	0.000213863
2105 Oct	0.001234121	0.128053814	9.36302E-06	1.563835502	5.182896137	0.053571168	0.000495497	24.81363487	0.002549035	0.009671825	0.000447541	0.000315949	0.000149788	0.133988053	1.93412E-06	0.000127179	0.000643577	0.001542087	0.000235765
2105 Nov	0.001231999	0.124570377	9.29937E-06	1.543768883	5.176205158	0.051556654	0.000508148	25.16660309	0.002555501	0.009624571	0.000428803	0.000314667	0.000149317	0.132256508	1.92367E-06	0.000128691	0.00062003	0.001518705	0.000241044
2105 Dec	0.001232718	0.124557294	9.301E-06	1.544081688	5.1807971	0.051559474	0.00050871	25.20825005	0.002558629	0.009626289	0.000428831	0.00031503	0.00014947	0.132321149	1.92398E-06	0.000128814	0.000620023	0.001518967	0.000241518
2106 Jan	0.001232767	0.124552198	9.30137E-06	1.544068098	5.180975914	0.051553365	0.000508797	25.20982552	0.002558649	0.009626846	0.000428759	0.000315018	0.000149467	0.132319123	1.92403E-06	0.000128822	0.000619952	0.001518924	0.000241526
2106 Feb	0.00123282	0.124557063	9.30182E-06	1.544124484	5.181149483	0.051553681	0.00050884	25.21011543	0.002558648	0.009627441	0.000428742	0.000315011	0.000149467	0.132322609	1.92412E-06	0.000128826	0.000619953	0.001518945	0.000241522
2106 Mar	0.001233195	0.124595739	9.30471E-06	1.544596076	5.182682991	0.051568761	0.000509003	25.21712875	0.002559358	0.009630509	0.000428856	0.000315095	0.000149508	0.132362053	1.92471E-06	0.000128865	0.000620133	0.001519391	0.000241584
2106 Apr	0.00123747	0.12502861	9.33696E-06	1.54995513	5.200644493	0.051748034	0.000510766	25.30434418	0.002568216	0.009663906	0.000430343	0.000316184	0.000150025	0.132821277	1.93138E-06	0.000129311	0.000622287	0.001524652	0.000242419
2106 May	0.001253793	0.12801519	9.45117E-06	1.575694323	5.279229641	0.053061709	0.000516869	25.40763474	0.002576266	0.009826644	0.000441415	0.000317236	0.000151163	0.134952202	1.95235E-06	0.000130321	0.000637661	0.001541211	0.00024101
2106 Jun	0.001226241	0.137127519	9.17338E-06	1.610564828	5.219109058	0.060181897	0.000455116	23.82275391	0.002520022	0.00968847	0.000507417	0.000326202	0.000150487	0.138880283	1.90189E-06	0.000124414	0.000738548	0.001601137	0.000224883
2106 Jul	0.001230891	0.137888417	9.45E-06	1.617970586	5.201896667	0.059928603	0.000445193	23.92101097	0.002560743	0.009871114	0.000505423	0.000340081	0.000151574	0.138719842	1.95899E-06	0.000125215	0.000754692	0.001690005	0.000227387
2106 Aug	0.001195579	0.132330835	9.56301E-06	1.553369284	4.981652737	0.055312801	0.000428775	23.06385612	0.002467096	0.009781781	0.000466433	0.000331778	0.000144954	0.131304517	1.972E-06	0.000120678	0.00070856	0.001699936	0.000216674
2106 Sep	0.001162746	0.121970773	9.4874E-06	1.479747295	4.836673737	0.049190916	0.000442236	23.16759682	0.002418538	0.009487137	0.000410955	0.000319746	0.000140868	0.124005206	1.9511E-06	0.000119161	0.000628133	0.001639131	0.000218639
2106 Oct	0.001171437	0.118393347	9.45946E-06	1.468161821	4.904602051	0.047421489	0.000462468	24.15667152	0.002474657	0.009437635	0.000394443	0.000323527	0.000143146	0.123523831	1.9479E-06	0.000122315	0.000603267	0.001617836	0.000231161
2106 Nov	0.001174987	0.118579559	9.47817E-06	1.471500039	4.922910213	0.047528036	0.000464321	24.28957939	0.002486181	0.009455959	0.000395366	0.000324937	0.000143752	0.123896167	1.95181E-06	0.000122789	0.000604459	0.001621222	0.000232637
2106 Dec	0.001175852	0.11859943	9.4808E-06	1.472107291	4.928032875	0.047552671	0.00046482	24.33424568	0.002489915	0.009458374	0.000395598	0.000325384	0.000143939	0.123992138	1.95235E-06	0.000122918	0.000604699	0.001621815	0.000233145
2107 Jan	0.001175936	0.118601009	9.48134E-06	1.472165942	4.928424835	0.047551986	0.000464891	24.33709335	0.002490106	0.009458949	0.000395582	0.000325399	0.000143947	0.12399786	1.95245E-06	0.000122929	0.000604684	0.001621851	0.00023317
2107 Feb	0.001176205	0.118626744	9.48338E-06	1.472491026	4.929592609	0.047562484	0.000465008	24.34313583	0.002490688	0.009461021	0.00039566	0.000325471	0.00014398	0.124026209	1.95287E-06	0.000122958	0.00060481	0.001622182	0.000233226
2107 Mar	0.001177089	0.118715845	9.49039E-06	1.473594785	4.933326721	0.047598906	0.000465357	24.36177063	0.002492588	0.009468032	0.000395959	0.000325718	0.000144089	0.124120228	1.95431E-06	0.00012305	0.000605269	0.001623385	0.000233406
2107 Apr	0.00117913	0.118922025	9.5068E-06	1.476151109	4.941890717	0.047681868	0.000466163	24.4040699	0.002496917	0.009484421	0.000396647	0.000326283	0.000144339	0.1243359	1.95769E-06	0.000123263	0.000606322	0.001626193	0.000233811
2107 May	0.001190554	0.122827999	9.5311E-06	1.506181955	4.996627331	0.049887456	0.000466194	24.16890717	0.002486283	0.009584058	0.000415805	0.000323848	0.000144969	0.126985386	1.96248E-06	0.000123204	0.000628317	0.001627252	0.000229156
2107 Jun	0.001215838	0.137166828	9.46654E-06	1.6042974	5.125328064	0.058906402	0.000445102	23.05682373	0.002457986	0.009779515	0.000496201	0.000319838	0.0001474	0.136493444	1.95111E-06	0.000120984	0.000724262	0.001637486	0.000212597
2107 Jul	0.001230769	0.141112924	9.68726E-06	1.631015062	5.158082962	0.06039368	0.00044074	22.91936493	0.002469994	0.009994828	0.000509874	0.00032361	0.000148284	0.138456553	1.99183E-06	0.000120906	0.000746378	0.001683729	0.000208827
2107 Aug	0.001261784	0.144778684	9.96345E-06	1.669070125	5.279294014	0.061790276	0.000449312	23.49497032	0.002533524	0.0102578	0.000522346	0.000332259	0.00015191	0.141688049	2.04649E-06	0.000123536	0.000764074	0.001731362	0.000213583
2107 Sep	0.001271887	0.14471294	1.00627E-05	1.671030998	5.323013783	0.061339736	0.000456378	23.89038849	0.002557543	0.010336089	0.000518687	0.000334862	0.000152935	0.141874298	2.06397E-06	0.000124655	0.000758682	0.001740852	0.000216798
2107 Oct	0.001263773	0.14096345	9.9859E-06	1.639229774	5.306415081	0.058979735	0.000465682	24.13015747	0.002538527	0.010260012	0.000497813	0.000331122	0.000151271	0.139106855	2.04505E-06	0.000124869	0.000730417	0.001710946	0.000218896
2107 Nov	0.00125833	0.139307603	9.95146E-06	1.6244241	5.282699585	0.057842519	0.000469256	24.08288383	0.002517838	0.010232448	0.000487531	0.000327736	0.000149895	0.137637809	2.0367E-06	0.000124661	0.00071712	0.001696061	0.000218012
2107 Dec	0.001260051	0.139308423	9.95394E-06	1.625363946	5.294281483	0.05788625	0.000470328	24.18699074	0.00252615	0.010234481	0.000487963	0.000328758	0.000150312	0.137827843	2.03722E-06	0.000124945	0.000717502	0.001696915	0.000219232
2108 Jan	0.001260649	0.139311031	9.95495E-06	1.625706553	5.298293114	0.057901025	0.000470705	24.22177887	0.002528883	0.010235412	0.000488097	0.000329094	0.000150449	0.137892351	2.03743E-06	0.000125043	0.000717629	0.001697206	0.000219637
2108 Feb	0.001260839	0.139321297	9.95576E-06	1.625873566	5.299349785	0.05790738	0.000470809	24.22923088	0.00252949	0.010236296	0.00048814	0.000329167	0.000150481	0.137912557	2.03759E-06	0.000125067	0.000717694	0.001697344	0.000219717
2108 Mar	0.001261894	0.139438182	9.96403E-06	1.627233267	5.303790569	0.057956144	0.000471204	24.24949074	0.00253316	0.010244834	0.000488545	0.00032944	0.000150606	0.138028249	2.03928E-06	0.000125172	0.000718295	0.001698747	0.0002199
2108 Apr	0.001270276	0.140370756	1.003E-05	1.638075471	5.339025497	0.05834553	0.000474318	24.40968132	0.002548372	0.010312831	0.000491798	0.000331619	0.000151603	0.138948977	2.05279E-06	0.000126	0.000723104	0.001709993	0.000221348

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.001288241	0.142485261	1.01722E-05	1.661656976	5.412807941	0.059203587	0.00048109	24.71353149	0.002580517	0.010464562	0.000498625	0.00033565	0.000153536	0.14092043	2.08163E-06	0.000127683	0.000733555	0.001733097	0.000223788
2108 Jun	0.00120322	0.13774462	9.97851E-06	1.575461864	4.945237637	0.055506207	0.000434371	21.58424187	0.002324939	0.010263126	0.000463362	0.000314171	0.000138261	0.130693018	2.03514E-06	0.000117222	0.00071891	0.001739681	0.000188882
2108 Jul	0.0012247	0.139951348	1.03212E-05	1.602569342	5.005930901	0.055868115	0.000437899	21.9807663	0.002384854	0.010555344	0.000465677	0.000327178	0.000140811	0.132359058	2.10472E-06	0.000119714	0.000737335	0.001822627	0.00019331
2108 Aug	0.001271101	0.144697249	1.07347E-05	1.659641027	5.194541454	0.057654098	0.000455065	22.95859718	0.002488135	0.010955167	0.000480507	0.000341637	0.000146511	0.137131929	2.18846E-06	0.000124457	0.000762917	0.001898234	0.000202405
2108 Sep	0.001267696	0.143129751	1.07936E-05	1.648423433	5.173317909	0.056523982	0.000456729	23.0808754	0.002494117	0.010968129	0.000470281	0.00034369	0.000146184	0.135915995	2.19885E-06	0.000124586	0.000754354	0.001911949	0.000203635
2108 Oct	0.001205982	0.131400004	1.0448E-05	1.539541841	4.871266842	0.049487274	0.000458816	22.04713631	0.002343923	0.010603142	0.000406664	0.000321546	0.000135874	0.125363618	2.12397E-06	0.000120245	0.000676501	0.001822133	0.000193565
2108 Nov	0.001199614	0.129576236	1.0407E-05	1.524194121	4.83150816	0.048282243	0.000462778	21.94139671	0.002324438	0.010573201	0.000395523	0.000317592	0.000134374	0.123871997	2.11483E-06	0.000119987	0.000662589	0.001805476	0.000192577
2108 Dec	0.00120093	0.129590645	1.04101E-05	1.52499783	4.839613438	0.048314605	0.000463585	22.01354218	0.002330359	0.010576204	0.000395831	0.000318303	0.000134668	0.124014184	2.11548E-06	0.000120192	0.000662898	0.001806255	0.000193416
2109 Jan	0.00120105	0.129590929	1.04106E-05	1.52506268	4.840172291	0.048313726	0.000463686	22.0182972	0.00233072	0.010576876	0.00039581	0.000318336	0.000134683	0.124022961	2.11558E-06	0.00012021	0.000662884	0.00180629	0.000193467
2109 Feb	0.001201243	0.129611656	1.04122E-05	1.525303841	4.840907574	0.048320856	0.000463772	22.02136421	0.002331043	0.010578632	0.000395854	0.000318374	0.000134701	0.124042273	2.11591E-06	0.000120229	0.000662978	0.001806539	0.000193491
2109 Mar	0.001202334	0.129730746	1.04217E-05	1.526696444	4.845307827	0.048365712	0.00046419	22.04118729	0.002333151	0.010588225	0.000396215	0.000318661	0.000134822	0.124155819	2.11782E-06	0.000120337	0.000663588	0.001808169	0.000193664
2109 Apr	0.001207702	0.130311355	1.04681E-05	1.533520103	4.866943359	0.048582688	0.000466259	22.13941002	0.002343559	0.010635475	0.000397987	0.000320081	0.000135424	0.124711066	2.12727E-06	0.000120874	0.000666559	0.001816231	0.000194527
2109 May	0.001216246	0.136226505	1.04072E-05	1.571251988	4.889732838	0.052187983	0.000459201	21.43665123	0.002313321	0.01070693	0.000429994	0.000313033	0.000135393	0.12842226	2.11407E-06	0.000119267	0.000700995	0.001800608	0.000184752
2109 Jun	0.001235005	0.14952381	1.02308E-05	1.658360839	4.967945576	0.061047032	0.000435122	20.25161552	0.002291988	0.010775575	0.000510056	0.000305957	0.000137793	0.137612373	2.08008E-06	0.000116108	0.000788178	0.001781006	0.000169357
2109 Jul	0.001252506	0.152869508	1.03793E-05	1.68283534	5.039840221	0.062683001	0.000431919	20.53083038	0.002332463	0.010904152	0.000526132	0.000312333	0.000140316	0.140019193	2.10778E-06	0.000116707	0.000806841	0.001812599	0.000171192
2109 Aug	0.001272353	0.154848248	1.05504E-05	1.698854685	5.117282391	0.063279822	0.000432656	21.02805901	0.002378246	0.011020645	0.000533631	0.000318223	0.000142875	0.141538486	2.14035E-06	0.000117883	0.000810341	0.001835676	0.000175745
2109 Sep	0.001268967	0.149708331	1.04395E-05	1.663663507	5.15003252	0.060614761	0.000444458	21.90933609	0.00240437	0.010840897	0.000511488	0.000318907	0.00014365	0.139019102	2.11749E-06	0.0001193	0.00077125	0.001794185	0.000186482
2109 Oct	0.001250155	0.134741187	9.97352E-06	1.569041491	5.133268356	0.053104427	0.00048298	23.5715847	0.00244309	0.010375382	0.000444633	0.000314633	0.000143106	0.131922781	2.03386E-06	0.000124011	0.000671529	0.001663789	0.000212142
2109 Nov	0.00125346	0.133628845	9.95726E-06	1.565147042	5.15141201	0.052524269	0.000489722	23.87108421	0.002461097	0.010367372	0.000439247	0.000315712	0.000143737	0.131775841	2.03194E-06	0.000125121	0.000663949	0.001655927	0.000216211
2109 Dec	0.001255105	0.133655503	9.96126E-06	1.566205144	5.161697865	0.052569173	0.000490702	23.95956993	0.002468299	0.010371181	0.000439673	0.000316587	0.0001441	0.131955177	2.03277E-06	0.000125372	0.000664374	0.001656913	0.000217236
2110 Jan	0.001255445	0.133671924	9.96292E-06	1.566494226	5.163442612	0.052577753	0.000490899	23.97223282	0.002469348	0.010372981	0.000439738	0.000316707	0.000144153	0.131988898	2.03311E-06	0.000125416	0.000664465	0.00165717	0.000217372
2110 Feb	0.001255738	0.133701399	9.96508E-06	1.566844821	5.164672852	0.05258942	0.000491026	23.97824097	0.002469933	0.010375313	0.000439824	0.000316777	0.000144186	0.132019475	2.03355E-06	0.000125446	0.000664606	0.001657507	0.000217426
2110 Mar	0.001256544	0.133788228	9.97145E-06	1.567855477	5.167980671	0.052623741	0.000491341	23.99338531	0.0024715	0.010381976	0.000440105	0.000316976	0.000144277	0.13210465	2.03485E-06	0.000125526	0.000665036	0.00165856	0.000217562
2110 Apr	0.001259928	0.134149253	9.99828E-06	1.572081447	5.181898117	0.052765984	0.000492662	24.05789375	0.00247815	0.010409925	0.000441291	0.000317829	0.000144665	0.132460847	2.04032E-06	0.000125864	0.000666832	0.001663022	0.000218147
2110 May	0.001279876	0.136291727	1.00477E-05	1.597486734	5.319461823	0.054241788	0.000501361	24.75305557	0.002528484	0.010491894	0.00045443	0.000324798	0.000148133	0.135233119	2.05119E-06	0.000128288	0.00068192	0.00167517	0.000224759
2110 Jun	0.00129753	0.145552874	9.50136E-06	1.677836776	5.719682693	0.0644067	0.000477474	26.2515923	0.002661131	0.010124749	0.000548166	0.000352684	0.000160392	0.146368086	1.95717E-06	0.000131132	0.000790487	0.00167607	0.000243277
2110 Jul	0.001299612	0.147114381	9.7169E-06	1.687494755	5.688071728	0.064608008	0.000468383	25.99198341	0.002666156	0.010279834	0.000549995	0.000358442	0.000160214	0.146408856	1.99938E-06	0.000130671	0.00080446	0.00173571	0.000240131
2110 Aug	0.001211335	0.130222827	9.49004E-06	1.527195454	5.152312279	0.053996824	0.000436877	24.49394608	0.002509137	0.009648552	0.000460307	0.00033568	0.000147724	0.130242512	1.95116E-06	0.000122133	0.000676628	0.001654466	0.000230665
2110 Sep	0.001191912	0.116218798	9.2597E-06	1.452989817	5.067811012	0.046756357	0.000476402	25.65766716	0.002548564	0.009273502	0.000392604	0.000327915	0.000147184	0.12399707	1.91209E-06	0.000125457	0.000577571	0.001553495	0.000250145
2110 Oct	0.001184694	0.105820432	9.06997E-06	1.395761847	4.977747917	0.040472932	0.000522071	26.22186279	0.002545696	0.009176029	0.000332124	0.000314633	0.000144142	0.118902035	1.8797E-06	0.000129247	0.000499763	0.001459202	0.000260698
2110 Nov	0.001187185	0.104000852	9.02597E-06	1.386833429	4.98152256	0.03940681	0.000533419	26.49094582	0.002558126	0.009175629	0.000321754	0.000313674	0.000144141	0.118339665	1.87228E-06	0.00013061	0.00048721	0.001441338	0.000264703
2110 Dec	0.001188863	0.104013018	9.02943E-06	1.387791514	4.99232626	0.039445806	0.000534507	26.58463097	0.002565572	0.009179171	0.000322122	0.00031457	0.000144514	0.118517295	1.87297E-06	0.000130872	0.000487564	0.00144218	0.00026579
2111 Jan	0.001189453	0.104016021	9.0304E-06	1.388115168	4.996252537	0.039459787	0.000534902	26.61828613	0.002568198	0.00918026	0.000322242	0.000314885	0.000144645	0.118580058	1.87316E-06	0.000130966	0.000487685	0.001442427	0.00026618
2111 Feb	0.001189638	0.104023181	9.031E-06	1.38825357	4.997316837	0.039465044	0.000535019	26.62625504	0.002568827	0.009181012	0.000322272	0.000314956	0.000144676	0.118599378	1.87327E-06	0.000130991	0.000487735	0.001442516	0.000266266
2111 Mar	0.001191157	0.104156792	9.04244E-06	1.390027165	5.003718376	0.039516196	0.000535704	26.66026878	0.002572104	0.0091927	0.000322682	0.000315355	0.00014486	0.118751556	1.87564E-06	0.000131157	0.000488362	0.001444337	0.000266605
2111 Apr	0.001197047	0.104673073	9.08713E-06	1.39690733	5.028462887	0.039712414	0.00053835	26.79193687	0.002584815	0.009238156	0.00032428	0.000316913	0.000145576	0.119339503	1.88491E-06	0.000131805	0.000490785	0.001451475	0.000267921
2111 May	0.001214703	0.111744709	9.21718E-06	1.446505904	5.078632355	0.043304894	0.000533602	26.17292786	0.002565431	0.009475376	0.000355494	0.000314215	0.000145983	0.123466656	1.90835E-06	0.000131032	0.000532409	0.001476934	0.000257554
2111 Jun	0.001238868	0.137554169	9.21996E-06	1.604975462	5.165241718	0.05913049	0.000472359	23.4397831	0.002491332	0.00984132	0.00049736	0.00031074	0.000147934	0.138509706	1.90417E-06	0.000123563	0.00071595	0.00155041	0.000219675
2111 Jul	0.001284122	0.14380531	9.60494E-06	1.668465018	5.348874092	0.061913852	0.000483652	24.18997574	0.002584933	0.010237833	0.00052149	0.00032435	0.000153483	0.144012362	1.98149E-06	0.000127422	0.000752745	0.001626254	0.000225844
2111 Aug	0.001243079	0.139958277	9.62375E-06	1.61226368	5.135633469	0.058886364	0.000458146	23.06195831	0.002472909	0.010061844	0.00049709	0.000314051	0.000146948	0.13765347	1.97494E-06	0.000121347	0.000720493	0.00162566	0.000211299
2111 Sep	0.001229913	0.134120077	9.63266E-06	1.57659483	5.105977058	0.05567437	0.000468454	23.54452515	0.002479062	0.00989357	0.000467911	0.000312242	0.000146601	0.134292752	1.97269E-06	0.000121277	0.000677029	0.001604081	0.000216953
2111 Oct	0.001224995	0.124512106	9.42053E-06	1.527982354	5.156094551	0.051150404	0.000498311	25.10310745	0.002548485	0.009629213	0.000426405	0.000317011	0.0001487	0.130861774	1.93805E-06	0.00012589	0.000619304	0.001547518	0.00023919
2111 Nov	0.001222432	0.118836462	9.3001E-06	1.49679482	5.159278393	0.048132807	0.000518628	25.83177185	0.00257521	0.009523273	0.00039837	0.000316853	0.000148818	0.128468767	1.918E-06	0.000128543	0.000582889	0.001509235	0.000250038
2111 Dec	0.001224057	0.118751004	9.30285E-06	1.497165561	5.169612408	0.048105877	0.000520141	25.93143272	0.002582384	0.009526725	0.000398115	0.00031764	0.000149153	0.128586739	1.91856E-06	0.000128841	0.000582486	0.001509421	0.000251205
2112 Jan	0.001224691	0.118746288	9.3037E-06	1.497467041	5.174024582	0.048118126	0.00052058	25.97000313	0.002585326	0.009527531	0.000398221	0.000317998	0.0001493	0.128652006	1.91873E-06	0.000128945	0.000582579	0.001509665	0.000251654
2112 Feb	0.001225312	0.118766978	9.30566E-06	1.497936249	5.177831173	0.048137981	0.000520934	25.99983597	0.002587744	0.009529498	0.000398383	0.000318295	0.000149424	0.128719985	1.91913E-06	0.000129033	0.000582776	0.001510084	0.000251993
2112 Mar	0.001227316	0.118944541	9.3195E-06	1.500255942	5.186816216	0.048216678	0.000521812	26.05045891	0.002592576	0.009543637	0.000399036	0.000318887	0.000149695	0.128934249	1.92198E-06	0.000129254	0.000583705	0.001512399	0.000252509
2112 Apr	0.001232609	0.119453996	9.35932E-06	1.506695986	5.209312916	0.048425216	0.000524066	26.16481781	0.002603913	0.009584409	0.00040076	0.00032028	0.000150347	0.129491806	1.93019E-06	0.000129813	0.000586222	0.001518879	0.000253624
2112 May	0.001258605	0.12800023	9.44585E-06	1.569929957	5.367024899	0.05347142	0.000518882	26.07840729	0.002616978	0.009795024	0.000445818	0.000324328	0.000153418	0.135479689	1.94589E-06	0.00013022	0.000643262	0.001550409	0.000248437
2112 Jun	0.001244257	0.144789383	8.95962E-06	1.657666564	5.425486565	0.066799417	0.000437817	24.51324463	0.002609384	0.0095595	0.000569396	0.00033936	0.000157617	0.14613241	1.85703E-06	0.000123618	0.000805009	0.001601119	0.000233036
2112 Jul	0.001233184	0.143503964	9.13356E-06	1.641577601	5.349559307	0.065599583	0.00042373	24.41208839	0.002623989	0.00962485	0.000559147	0.000350285	0.00015696	0.144055188	1.89054E-06	0.000122891	0.000811126	0.001673557	0.0002336
2112 Aug	0.001263986	0.145655185	9.41757E-06	1.672729373	5.496117115	0.066327035	0.000436868	25.39574623	0.002711462	0.009862679	0.00056533	0.000363135	0.000161555	0.1468575	1.94674E-06	0.000126417	0.000823383	0.001728123	0.000243205
2112 Sep	0.00126684	0.142289415	9.49176E-06	1.654345393	5.568405151	0.064438492	0.000448163	26.39599609	0.00276028	0.009832221	0.000548737	0.00037154	0.000163574	0.145492405	1.95786E-06	0.000128285	0.000803942	0.001742257	0.000253599
2112 Oct	0.00126871	0.138473213	9.47672E-06	1.632684708	5.653116703	0.062430598	0.00046335	27.39224052	0.002794032	0.009764986	0.000530867	0.000376847	0.000165069	0.143942669	1.95216E-06	0.000130462	0.000780438	0.00173368	0.000263968
2112 Nov	0.00127391	0.137909666	9.48705E-06	1.63219893	5.699092865	0.062212799	0.000468943	27.81736755	0.00281962	0.009766524	0.000528977	0.000380222	0.000166352	0.144187227	1.95386E-06	0.000131574	0.000777629	0.001735165	0.00026865
2112 Dec	0.001275011	0.137946367	9.49127E-06	1.633042336	5.70582056	0.062245198	0.000469558	27.87003517	0.002823853	0.009770456	0.000529274	0.000380761	0.000166573	0.144303977	1.95473E-06	0.000131731	0.000777977	0.001736084	0.00026924
2113 Jan	0.001275821	0.13793312	9.4919E-06	1.63338995	5.71194458	0.062262733	0.000470096	27.92449379	0.002827965	0.009770581	0.000529445	0.000381284	0.000166782	0.144390076	1.95486E-06	0.000131869	0.00077811	0.001736439	0.000269878
2113 Feb	0.001276127	0.137956366	9.49366E-06	1.633714199	5.713599682	0.06227516	0.000470239	27.9347229	0.002828826	0.009772358	0.000529542	0.000381397	0.000166829	0.14442353	1.95522E-06	0.000131906	0.000778255	0.00173677	0.000269984
2113 Mar	0.00127914	0.138268054	9.51508E-06	1.637464285	5.727416992	0.062420804	0.000471375	28.00663567	0.002835949	0.009794369	0.000530782	0.000382346	0.000167242	0.144766182	1.95963E-06	0.000132224	0.000780055	0.00174074	0.000270698
2113 Apr	0.001284544	0.138850033	9.55508E-06	1.644364476	5.751671791	0.062684566	0.00047337	28.12597466	0.002848008	0.009835546	0.000533023	0.000383969	0.000167951	0.145378336	1.96787E-06	0.000132784	0.000783346	0.001748067	0.000271854
2113 May	0.001301165	0.142677382	9.66E-06	1.676516056	5.882248402	0.064574517	0.000478267	28.2557106	0.002836155	0.009984846	0.000549568	0.000384483	0.00016916	0.147832602	1.98613E-06	0.000133678	0.000803177	0.001763868	0.000268573
2113 Jun	0.001303058	0.152126849	9.49474E-06	1.733623743	5.956587791	0.070788629	0.000453651	27.0806179	0.002752463	0.009987901	0.00060599	0.000376512	0.000168677	0.152952984	1.95389E-06	0.000130411	0.000866372	0.001752133	0.000250912
2113 Jul	0.00132606	0.156324431	9.78435E-06	1.768818259	6.013898849	0.07222084	0.000454399	27.11153984	0.002781031	0.010266851	0.000618737	0.000381733	0.000170383	0.155475557	2.01035E-06	0.000131431	0.000887652	0.001806404	0.000249231
2113 Aug	0.001347299	0.158638954	1.00134E-05	1.791157722	6.082273483	0.07283099	0.000459339	27.49530029	0.002825148	0.010464011	0.000624602	0.000387622	0.000172622	0.157274634	2.05451E-06	0.000132921	0.000896184	0.001843629	0.000252073
2113 Sep	0.001330901	0.153229371	9.97051E-06	1.746663809	6.004607677	0.069300868	0.000466422	27.51772118	0.002788163	0.010341655	0.000593323	0.00038045	0.000169683	0.152898192	2.04158E-06	0.000132043	0.00085221	0.001809665	0.000252139
2113 Oct	0.001287419	0.137107134	9.6148E-06	1.624308348	5.747157574	0.059452564	0.000498225	27.49040794	0.002700728	0.009990472	0.000503488	0.000357909	0.00016116	0.14153488	1.97112E-06	0.000132145	0.000733249	0.001677081	0.000256891
2113 Nov	0.001283563	0.132592648	9.54864E-06	1.595637441	5.69437027	0.056537498	0.000514714	27.68771172	0.002696934	0.009956424	0.000476297	0.000352678	0.000159504	0.13891466	1.95995E-06	0.000133507	0.00069865	0.001641032	0.000261042
2113 Dec	0.001284706	0.132616967	9.55301E-06	1.596387625	5.700706005	0.056557272	0.000515449	27.74008179	0.002701167	0.009961056	0.00047647	0.000353166	0.000159714	0.1390239	1.96083E-06	0.000133669	0.000698845	0.001641754	0.000261634
2114 Jan	0.001285147	0.132618114	9.55409E-06	1.596617579	5.703397274	0.056563832	0.000515754	27.76352882	0.002703004	0.009962237	0.00047652	0.000353377	0.000159803	0.139066413	1.96104E-06	0.000133736	0.000698894	0.00164194	0.000261905
2114 Feb	0.001285255	0.132627085	9.55483E-06	1.596730113	5.70381546	0.056566454	0.000515819	27.7655735	0.002703178	0.009963133	0.000476524	0.00035339	0.000159811	0.139076158	1.96119E-06	0.000133747	0.000698921	0.001642016	0.000261921
2114 Mar	0.001286764	0.132783562	9.5661E-06	1.598607063	5.710447311	0.056632251	0.000516432	27.79741859	0.002706285	0.009974967	0.000477068	0.000353792	0.000159994	0.139238641	1.9635E-06	0.000133903	0.000699733	0.001643925	0.000262217
2114 Apr	0.001290619	0.133182421	9.59474E-06	1.603402138	5.727553844	0.056802582	0.000517976	27.88053513	0.002714385	0.010004851	0.000478498	0.00035485	0.000160473	0.139656395	1.96938E-06	0.000134303	0.000701835	0.001648845	0.000263
2114 May	0.001307789	0.137795836	9.57097E-06	1.640177727	5.825092316	0.059757575	0.000519664	27.91926193	0.002728685	0.010095958	0.000504568	0.000355394	0.000162535	0.143482178	1.96584E-06	0.000135118	0.000731601	0.001646241	0.000261889
2114 Jun	0.001336413	0.149201125	9.61648E-06	1.723236322	5.958102703	0.066731833	0.000506799	27.39956665	0.002741328	0.010318781	0.000566781	0.000357347	0.000165925	0.151516438	1.97621E-06	0.000134661	0.000808004	0.001674107	0.000252967
2114 Jul	0.001387602	0.156052709	1.00252E-05	1.793173313	6.175045013	0.069818802	0.000520914	28.30775452	0.002845264	0.010746046	0.000593679	0.000371867	0.000172217	0.15767552	2.05813E-06	0.000139052	0.000846952	0.001751261	0.00026034
2114 Aug	0.001448104	0.162397921	1.04449E-05	1.866729617	6.453489304	0.07280644	0.000543394	29.78394127	0.002989664	0.011179189	0.000619616	0.000390576	0.000180547	0.164584324	2.14339E-06	0.000145174	0.00088279	0.001827264	0.000274528
2114 Sep	0.001421437	0.157909229	1.03834E-05	1.824244499	6.353502274	0.070048325	0.00054034	29.42963409	0.002922803	0.011014233	0.000595234	0.000382417	0.000176704	0.160139263	2.12517E-06	0.000142553	0.000849687	0.001803402	0.000268838
2114 Oct	0.001392233	0.149037853	1.01746E-05	1.752128601	6.253911972	0.06486623	0.00055512	29.56268692	0.00286409	0.010775604	0.000548311	0.000372033	0.000172149	0.153585866	2.07841E-06	0.000141886	0.000788298	0.001737327	0.000270672
2114 Nov	0.001366681	0.140702203	9.96847E-06	1.685098886	6.155265808	0.059863821	0.000571933	29.62710953	0.002804683	0.010580343	0.000502626	0.000360961	0.000167486	0.147429734	2.03361E-06	0.000141672	0.000729769	0.00167032	0.000272195
2114 Dec	0.001367297	0.140391156	9.96388E-06	1.683410525	6.16155386	0.059705772	0.000573605	29.71689987	0.002809389	0.01057636	0.00050119	0.000361376	0.000167655	0.147357285	2.03258E-06	0.00014191	0.000727837	0.001668552	0.00027329
2115 Jan	0.001367946	0.140389904	9.96509E-06	1.683735371	6.165847301	0.059717827	0.000574042	29.75435448	0.002812285	0.01057755	0.000501292	0.000361725	0.000167799	0.147422537	2.03283E-06	0.000142012	0.000727933	0.001668841	0.000273725
2115 Feb	0.001368578	0.140405521	9.96674E-06	1.684167266	6.169898987	0.059737008	0.000574413	29.78679276	0.002814861	0.0105792	0.000501451	0.000362043	0.000167931	0.147490934	2.03317E-06	0.000142104	0.000728118	0.001669228	0.000274099
2115 Mar	0.001369576	0.140492037	9.97283E-06	1.685275555	6.17481041	0.059779719	0.000574856	29.81555557	0.002817448	0.01058563	0.000501808	0.000362369	0.000168076	0.147601038	2.03441E-06	0.000142216	0.000728617	0.001670308	0.000274392

Appendix D.2-5: CP8

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.001375202	0.141069904	1.00137E-05	1.692201495	6.200184822	0.060026087	0.000577215	29.9380703	0.002829031	0.010629071	0.000503871	0.000363858	0.000168766	0.148208186	2.04276E-06	0.000142799	0.000731616	0.00167716	0.000275519
2115 May	0.001366108	0.144164577	9.94804E-06	1.705174208	6.115530014	0.061630033	0.000564633	28.76537323	0.00275314	0.010652259	0.000517622	0.000353086	0.000165567	0.148782596	2.03019E-06	0.000140028	0.000748802	0.001663966	0.00026129
2115 Jun	0.001388979	0.153168708	1.00764E-05	1.772595644	6.176750183	0.066666543	0.000553239	28.09733963	0.002755367	0.01089134	0.000562156	0.000353398	0.000167447	0.154674724	2.05802E-06	0.000139488	0.000805695	0.00169909	0.00025196
2115 Jul	0.001431406	0.159570098	1.04451E-05	1.833480358	6.331776619	0.069317088	0.000562561	28.55338287	0.002821251	0.011277748	0.000585448	0.00036199	0.000171713	0.159689546	2.13154E-06	0.000142447	0.000837555	0.001761231	0.000254214
2115 Aug	0.001380925	0.155418977	1.03038E-05	1.771626115	6.019312859	0.066467136	0.000531072	26.83176994	0.002683123	0.0109762	0.000562907	0.000342441	0.000163577	0.153082818	2.09722E-06	0.00013472	0.000798071	0.001715961	0.00023557
2115 Sep	0.001367042	0.150691405	1.02792E-05	1.739764452	5.959421158	0.063965499	0.00053492	27.05960083	0.002686782	0.010800211	0.000540655	0.000339589	0.000163013	0.150253698	2.08977E-06	0.000133886	0.000762086	0.0016915	0.000239339
2115 Oct	0.001369157	0.14751406	1.02361E-05	1.724202394	6.022284508	0.062625498	0.000546802	27.94219208	0.002733419	0.010700818	0.000528721	0.000344527	0.00016511	0.149545357	2.08048E-06	0.000135678	0.00074321	0.00167766	0.000250065
2115 Nov	0.001359114	0.141984984	1.01151E-05	1.689847112	6.018671036	0.059846576	0.000559265	28.52289772	0.002742498	0.010533795	0.000503486	0.000344083	0.000164853	0.146719396	2.05766E-06	0.000136945	0.000708344	0.001643991	0.00025824
2115 Dec	0.001359608	0.141658217	1.01113E-05	1.688517928	6.02357769	0.059688229	0.000560739	28.60554123	0.002747202	0.010528351	0.000502033	0.000344517	0.000165031	0.146649346	2.0572E-06	0.000137198	0.000706364	0.001642606	0.000259327
2116 Jan	0.001360549	0.141648605	1.01125E-05	1.688951373	6.030262947	0.059708428	0.000561362	28.66506767	0.002751805	0.010529038	0.000502217	0.000345083	0.000165262	0.146748558	2.05743E-06	0.000137351	0.000706516	0.001643017	0.000260029
2116 Feb	0.001361115	0.141696021	1.01158E-05	1.689571381	6.033090591	0.059731994	0.000561624	28.68170547	0.002753267	0.010532565	0.000502399	0.000345261	0.000165342	0.146810621	2.05812E-06	0.000137414	0.000706776	0.001643582	0.000260197
2116 Mar	0.001362024	0.141791895	1.01225E-05	1.690704823	6.037128448	0.05977308	0.000561996	28.70080757	0.002755108	0.010539541	0.000502734	0.00034549	0.000165452	0.146909803	2.05948E-06	0.000137505	0.000707257	0.001644662	0.00026037
2116 Apr	0.001367231	0.14233537	1.01612E-05	1.697176099	6.060207367	0.060002521	0.000564141	28.81033134	0.002765632	0.010579831	0.000504658	0.000346809	0.000166084	0.147472262	2.06734E-06	0.00013803	0.000709969	0.001650944	0.000261363
2116 May	0.001387316	0.145945758	1.01471E-05	1.732808352	6.252398014	0.062895969	0.00056734	29.61348724	0.002819876	0.010613697	0.000530889	0.000356948	0.000170719	0.151495591	2.0664E-06	0.000140376	0.000740906	0.00166682	0.000268517
2116 Jun	0.00135072	0.153804019	9.41279E-06	1.766647816	6.216329098	0.072232142	0.000493116	28.71269989	0.002853718	0.010027647	0.000618885	0.00037422	0.000175085	0.157983765	1.9382E-06	0.000135355	0.00085304	0.001669954	0.000267978
2116 Jul	0.001385713	0.158634335	9.7654E-06	1.81682992	6.345777512	0.074316815	0.000498823	29.30777168	0.002939951	0.010367248	0.000636844	0.00038872	0.000179719	0.162191004	2.01043E-06	0.000138565	0.000886178	0.001751174	0.000273981
2116 Aug	0.001425613	0.162873149	1.00966E-05	1.866482973	6.520286083	0.076137781	0.000513159	30.22527313	0.003034167	0.010686872	0.000652347	0.000401674	0.000185049	0.166591212	2.07716E-06	0.000142512	0.000910261	0.001813053	0.000282515
2116 Sep	0.001365599	0.152797416	9.95444E-06	1.769353032	6.19326067	0.06951683	0.000506881	28.93634415	0.002886481	0.010434875	0.000592152	0.000382866	0.000174784	0.156361982	2.04062E-06	0.000137231	0.000842798	0.00177019	0.000268561
2116 Oct	0.001313642	0.138987377	9.74485E-06	1.651714206	5.882631779	0.060244288	0.000527655	28.1195488	0.002742553	0.010220072	0.000506755	0.000358189	0.000163568	0.144461721	1.99142E-06	0.000134759	0.000741508	0.001679461	0.000260959
2116 Nov	0.001315679	0.137331873	9.74173E-06	1.642480612	5.884577751	0.059143912	0.000536347	28.36711884	0.002753171	0.01022865	0.000496478	0.00035793	0.00016353	0.143718898	1.99102E-06	0.000135758	0.000729011	0.001670159	0.000264246
2116 Dec	0.001316772	0.137310401	9.74295E-06	1.642870069	5.892019749	0.059159078	0.000537113	28.43675423	0.002758587	0.010229664	0.000496635	0.000358577	0.000163793	0.143826872	1.99127E-06	0.000135935	0.000729111	0.001670564	0.000265071
2117 Jan	0.001317221	0.13729915	9.74332E-06	1.643014908	5.895161152	0.0591642	0.000537442	28.46585655	0.002760801	0.010229993	0.00049668	0.000358842	0.000163901	0.14387019	1.99134E-06	0.00013601	0.000729135	0.001670692	0.000265416
2117 Feb	0.001317335	0.137301072	9.74368E-06	1.643083572	5.895828724	0.059165776	0.000537524	28.47104073	0.002761186	0.010230443	0.000496679	0.000358884	0.000163919	0.143880442	1.99141E-06	0.000136026	0.000729146	0.001670735	0.000265474
2117 Mar	0.001318431	0.137415722	9.75176E-06	1.644451261	5.900725842	0.059215117	0.000537973	28.49455261	0.002763465	0.010238968	0.000497086	0.000359178	0.000164054	0.144000202	1.99306E-06	0.000136139	0.000729752	0.00167211	0.000265692
2117 Apr	0.001324972	0.138098419	9.80012E-06	1.652615309	5.930000305	0.059509505	0.00054064	28.63578987	0.00277717	0.010289766	0.000499554	0.000360959	0.000164867	0.14471519	2.00294E-06	0.000136814	0.000733378	0.001680402	0.000267008
2117 May	0.001329564	0.141124621	9.86793E-06	1.671645522	5.901845455	0.060560301	0.000539478	27.92288017	0.002731266	0.010435479	0.000507983	0.000353489	0.000162945	0.145701766	2.0154E-06	0.000135857	0.000745536	0.001682219	0.000256981
2117 Jun	0.001335414	0.150425091	9.84559E-06	1.728121042	5.850482941	0.065957703	0.000514679	26.40452385	0.002680173	0.010573933	0.00055628	0.000345819	0.000161917	0.150662884	2.0133E-06	0.000132566	0.000805517	0.001692373	0.000239125
2117 Jul	0.001375692	0.156481966	1.02117E-05	1.786234379	5.995211601	0.068455391	0.000523611	26.85296059	0.002747578	0.010955077	0.000577979	0.000355142	0.000166075	0.155449092	2.08625E-06	0.000135467	0.000837573	0.001758156	0.000241611
2117 Aug	0.001393418	0.159402728	1.04268E-05	1.811446905	6.037309647	0.069405861	0.000525161	26.91968918	0.002771288	0.011149278	0.000586605	0.000358153	0.000167463	0.157295242	2.12796E-06	0.000136157	0.000849566	0.001792618	0.000240704
2117 Sep	0.001400234	0.159357443	1.05017E-05	1.813726544	6.066403389	0.069197215	0.000529144	27.22010612	0.002794582	0.011190346	0.000584977	0.000360621	0.000168522	0.157570645	2.14157E-06	0.00013679	0.000846346	0.001801224	0.00024356
2117 Oct	0.001377797	0.154110685	1.03828E-05	1.766774297	5.966731071	0.065986939	0.000531908	27.0136013	0.002741087	0.011029019	0.000556491	0.000352203	0.000164816	0.15305756	2.11446E-06	0.000135306	0.00080768	0.001761449	0.000241567
2117 Nov	0.001371004	0.152386844	1.03447E-05	1.751716733	5.931900978	0.064892292	0.000533835	26.93244743	0.002723146	0.010986281	0.000546611	0.000349091	0.000163513	0.151593998	2.10592E-06	0.000134924	0.000794761	0.001747563	0.000240817
2117 Dec	0.001372117	0.152307451	1.03455E-05	1.751723051	5.939695835	0.06487345	0.000534827	27.01249504	0.002728984	0.010986514	0.000546464	0.000349755	0.000163785	0.151674896	2.10605E-06	0.000135124	0.000794441	0.001747645	0.000241771
2118 Jan	0.001372606	0.15230383	1.03463E-05	1.751937747	5.942967415	0.064881697	0.000535155	27.04161453	0.002731236	0.01098723	0.000546532	0.000350025	0.000163895	0.151723191	2.10622E-06	0.0001352	0.000794498	0.001747848	0.000242113
2118 Feb	0.001372759	0.152322188	1.03476E-05	1.752138376	5.943545818	0.064888105	0.000535224	27.04346466	0.002731428	0.010988643	0.000546564	0.000350044	0.000163906	0.151738837	2.10647E-06	0.000135213	0.000794572	0.001748013	0.000242122
2118 Mar	0.001373341	0.152388483	1.03519E-05	1.752889872	5.946045876	0.064916492	0.000535447	27.05448532	0.002732554	0.010993319	0.000546794	0.000350186	0.000163973	0.151803792	2.10735E-06	0.000135269	0.000794915	0.001748742	0.000242218
2118 Apr	0.001376797	0.152868032	1.03815E-05	1.757770777	5.957717419	0.065071568	0.000537025	27.06925583	0.002734496	0.011028669	0.000547136	0.000350201	0.000164069	0.152155653	2.11319E-06	0.000135523	0.000796567	0.00175191	0.000242022
2118 May	0.001359479	0.161254093	1.0158E-05	1.794189811	5.846539974	0.070690677	0.000498277	25.06642342	0.002631555	0.010938261	0.000591582	0.000336405	0.000160309	0.155674368	2.06701E-06	0.00012904	0.000853629	0.001729065	0.000218285
2118 Jun	0.001330745	0.168633491	9.53708E-06	1.824890614	5.751704693	0.078818418	0.000435645	23.93128014	0.002656686	0.010421261	0.000666972	0.00034223	0.000163345	0.161683306	1.95518E-06	0.000123181	0.000938317	0.001697928	0.000214332
2118 Jul	0.001385368	0.176065326	9.97341E-06	1.901261449	5.974484444	0.082183219	0.000450479	24.823452	0.002766251	0.010881501	0.000695882	0.000357181	0.000169944	0.168355256	2.04345E-06	0.000127835	0.000980611	0.001779876	0.000221831
2118 Aug	0.001364251	0.172541291	1.0035E-05	1.866169453	5.848786831	0.079593085	0.000443639	24.40395355	0.00272189	0.010808617	0.00067421	0.000352463	0.000166747	0.164388552	2.05069E-06	0.000125258	0.000953536	0.001784105	0.000216465
2118 Sep	0.001296143	0.152571142	9.71481E-06	1.717055678	5.571679115	0.068151429	0.000466787	24.55421257	0.002619903	0.010244906	0.000572278	0.000333511	0.000158208	0.150118634	1.98158E-06	0.000123281	0.000816724	0.001671181	0.000221816
2118 Oct	0.001284559	0.136487439	9.441E-06	1.619712591	5.544195652	0.059239816	0.000516316	26.46645164	0.002688621	0.009955578	0.000492352	0.000334018	0.000157959	0.142384633	1.93447E-06	0.000129435	0.000712156	0.001578954	0.000250471
2118 Nov	0.001287292	0.133056775	9.39013E-06	1.601328015	5.567771912	0.057360489	0.000530811	27.11834335	0.002721041	0.009914473	0.000475473	0.00033616	0.000158751	0.141152129	1.92636E-06	0.000131596	0.000690223	0.001560362	0.000259443
2118 Dec	0.001287692	0.133069515	9.39339E-06	1.601624489	5.569209576	0.057353806	0.000531139	27.12756538	0.002721676	0.009918239	0.000475393	0.000336205	0.000158779	0.141173616	1.92701E-06	0.000131646	0.000690168	0.001560661	0.000259519
2119 Jan	0.001288241	0.133070886	9.39468E-06	1.601891994	5.572654724	0.057363104	0.000531507	27.15781975	0.002724039	0.009919572	0.000475471	0.000336483	0.000158895	0.141226962	1.92726E-06	0.000131726	0.000690246	0.001560924	0.000259867
2119 Feb	0.001288827	0.133091822	9.39664E-06	1.602323532	5.576179028	0.05738157	0.000531837	27.18519402	0.002726264	0.009921579	0.000475623	0.000336754	0.000159009	0.141289651	1.92766E-06	0.000131805	0.000690434	0.00156133	0.000260179
2119 Mar	0.001290731	0.133288696	9.41041E-06	1.604689121	5.584449768	0.057467096	0.000532622	27.22562599	0.002730312	0.00993615	0.000476325	0.000337253	0.000159244	0.141499221	1.93048E-06	0.000132	0.000691458	0.001563619	0.000260566
2119 Apr	0.001302312	0.135577202	9.47303E-06	1.624477029	5.629538536	0.058498841	0.000537002	27.19163132	0.002729917	0.010043217	0.000477026	0.000335842	0.000158979	0.143129721	1.94237E-06	0.000132554	0.000701112	0.001566505	0.000258571
2119 May	0.001365967	0.163928986	9.34448E-06	1.821817279	5.945086479	0.076295376	0.00050316	25.56788445	0.002710165	0.010391089	0.000556122	0.000326543	0.000157572	0.162908196	1.91666E-06	0.00012935	0.00087501	0.001553022	0.000231129
2119 Jun	0.001373095	0.171163574	9.2918E-06	1.867365241	6.004611492	0.081655063	0.000475222	25.33850861	0.002752984	0.010378461	0.000608483	0.000337264	0.000161583	0.168168426	1.90884E-06	0.000127866	0.000938672	0.001592791	0.000229635
2119 Jul	0.001420507	0.177888975	9.69595E-06	1.934461236	6.206942558	0.084741905	0.00048622	26.16947746	0.00285396	0.010792486	0.000634499	0.000352669	0.000167547	0.17406179	1.98958E-06	0.000131839	0.000980074	0.001676383	0.000236458
2119 Aug	0.001428644	0.178300858	9.94541E-06	1.943166852	6.228103161	0.084183581	0.000489275	26.31707191	0.00286705	0.010948662	0.000633001	0.000356819	0.000168493	0.173953444	2.03682E-06	0.000132403	0.000979016	0.001721538	0.000236195
2119 Sep	0.001378912	0.166927472	9.85297E-06	1.852451921	6.02962923	0.077433795	0.000491285	26.07462311	0.002782438	0.010631002	0.000584349	0.000347512	0.000163519	0.164614066	2.0122E-06	0.000129538	0.000904851	0.001689068	0.000234162
2119 Oct	0.001349743	0.155502647	9.69674E-06	1.769684315	5.930404186	0.070737772	0.000511305	26.60818481	0.002751539	0.010383744	0.000534279	0.000342009	0.000160779	0.156876877	1.97924E-06	0.00013033	0.000829837	0.00163652	0.000242435
2119 Nov	0.001343644	0.150531262	9.61892E-06	1.738056302	5.914428711	0.067993708	0.000523346	27.14657402	0.002769151	0.010284719	0.000514111	0.000342961	0.000160975	0.154261351	1.96586E-06	0.000131898	0.000799018	0.001614302	0.000250681
2119 Dec	0.001344639	0.150541469	9.62228E-06	1.738620877	5.920403957	0.068009958	0.000523991	27.19752121	0.002773182	0.010287946	0.00051428	0.000343442	0.000161177	0.154355928	1.96653E-06	0.000132041	0.000799175	0.001614945	0.000251264

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	34	0.011	0.0054	0.0010	6.1	0.020	2.2	9.5E-04	9.5E-04	4.8E-06	5.5E-03	8.9E-04	8.4E-03	1.2E-02	4.8E-06	9.8E+00	8.5E-06	1.4E-04	9.8E-05
Operations (2020-2043): Mean	48	0.054	0.0079	0.0010	11	0.033	4.0	1.0E-03	1.0E-03	5.1E-06	7.3E-03	1.1E-03	1.1E-02	1.8E-02	5.1E-06	1.5E+01	1.6E-05	2.2E-04	1.7E-04
Operations (2020-2043): Max	92	0.10	0.023	0.0011	22	0.041	7.4	1.1E-03	1.1E-03	5.6E-06	8.2E-03	1.9E-03	1.2E-02	4.3E-02	5.6E-06	3.5E+01	2.2E-05	4.6E-04	6.7E-04
Active Closure (2044-2050): Min	35	0.010	0.006	0.0010	6.1	0.022	2.2	9.6E-04	9.6E-04	4.8E-06	6.6E-03	9.0E-04	9.2E-03	1.2E-02	4.8E-06	9.9E+00	1.4E-05	1.7E-04	1.0E-04
Active Closure (2044-2050): Mean	45	0.050	0.007	0.0010	9.9	0.033	3.7	1.0E-03	1.0E-03	5.1E-06	7.4E-03	1.1E-03	1.1E-02	1.6E-02	5.1E-06	1.4E+01	1.7E-05	2.1E-04	1.4E-04
Active Closure (2044-2050): Max	64	0.079	0.015	0.0011	14	0.040	4.9	1.1E-03	1.1E-03	5.5E-06	7.9E-03	1.4E-03	1.2E-02	2.7E-02	5.5E-06	2.2E+01	2.2E-05	3.2E-04	3.8E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Post Closure (2051-2119): Min	42	0.012	0.0050	0.00092	6.2	0.019	3.4	9.2E-04	9.2E-04	4.6E-06	5.7E-03	9.2E-04	1.0E-02	1.2E-02	4.6E-06	1.1E+01	1.1E-05	1.7E-04	1.0E-04
Post Closure (2051-2119): Mean	83	0.065	0.013	0.0011	13	0.033	19	9.8E-04	9.8E-04	4.9E-06	7.4E-03	1.3E-03	2.2E-02	2.0E-02	5.0E-06	2.0E+01	1.9E-05	2.4E-04	2.3E-04
Post Closure (2051-2119): Max	133	0.10	0.073	0.0021	23	0.041	39	1.1E-03	1.1E-03	5.6E-06	8.1E-03	1.9E-03	3.7E-02	4.1E-02	5.7E-06	3.5E+01	2.5E-05	4.3E-04	6.4E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	90.08261871	0.069122225	0.022782627	0.001	21.2568512	0.02	7.260875702	0.001	0.001	5E-06	0.006673395	0.001834504	0.008446789	0.041913491	5E-06	33.67446136	2.12973E-05	0.000450518	0.000651139
2020 Feb	90.19248962	0.069241762	0.022814538	0.001	21.28800201	0.02	7.271512985	0.001	0.001	5E-06	0.006671824	0.001836465	0.008443649	0.041975591	5E-06	33.72283173	2.12947E-05	0.000451024	0.000652254
2020 Mar	90.2699585	0.069320001	0.022836329	0.001000209	21.30906868	0.020004187	7.278707027	0.001000209	0.001000209	5.00105E-06	0.006672384	0.001837894	0.008443741	0.042017493	5.00105E-06	33.75568771	2.12977E-05	0.000451389	0.000652984
2020 Apr	90.50817108	0.069513321	0.022897808	0.001002489	21.36684227	0.020049775	7.29843998	0.001002489	0.001002489	5.01244E-06	0.006687125	0.001842662	0.008462055	0.04213161	5.01244E-06	33.8469162	2.13455E-05	0.000452567	0.000654802
2020 May	92.29068756	0.070880331	0.023348533	0.001022302	21.78735352	0.020446043	7.44207716	0.001022302	0.001022302	5.11151E-06	0.006819381	0.001878969	0.008629481	0.042960748	5.11151E-06	34.51309586	2.17649E-05	0.000461483	0.00066768
2020 Jun	51.44908905	0.027259711	0.011582221	0.000994171	10.32885265	0.019883413	3.529350281	0.000994171	0.000994171	4.97085E-06	0.007179089	0.001143944	0.009486742	0.020131269	4.97085E-06	16.70108604	2.20098E-05	0.000272216	0.000260856
2020 Jul	43.86882019	0.018102268	0.009137974	0.001028062	8.265807152	0.022459077	2.871279001	0.001028062	0.001028062	5.14031E-06	0.007288999	0.001044285	0.009830163	0.015941059	5.14031E-06	13.3744421	2.12171E-05	0.000229613	0.000177582
2020 Aug	45.23526382	0.019707307	0.009097529	0.001074599	8.763007164	0.025976796	3.081202507	0.001074599	0.001074599	5.373E-06	0.007366083	0.001101016	0.010313292	0.016506834	5.373E-06	13.87451744	2.01331E-05	0.00022905	0.000176112
2020 Sep	46.21632767	0.047635917	0.007576352	0.001032489	10.02908325	0.032385182	3.687763691	0.001032489	0.001032489	5.16245E-06	0.007444772	0.001085435	0.010782035	0.016353609	5.16245E-06	14.2831459	1.71916E-05	0.000215335	0.000154578
2020 Oct	47.63619232	0.076109387	0.006286572	0.001000507	11.20159149	0.037534863	4.281281471	0.001000507	0.001000507	5.00253E-06	0.007796098	0.001078313	0.010992868	0.016461242	5.00253E-06	14.77321339	1.59142E-05	0.000204802	0.000140893
2020 Nov	47.92672348	0.082169406	0.006009479	0.000993411	11.44899082	0.038624551	4.40688324	0.000993411	0.000993411	4.96706E-06	0.007869048	0.001076505	0.011034966	0.016479848	4.96706E-06	14.87393379	1.56371E-05	0.000202498	0.000137933
2020 Dec	47.9380188	0.082325295	0.006003199	0.000993323	11.45605755	0.038654655	4.410349369	0.000993323	0.000993323	4.96662E-06	0.007871522	0.001076554	0.011036958	0.016481735	4.96662E-06	14.87769794	1.56317E-05	0.000202459	0.000137873
2021 Jan	47.9965477	0.082380109	0.006020971	0.00099334	11.47200871	0.03865011	4.41570282	0.00099334	0.00099334	4.9667E-06	0.007871029	0.001077582	0.011035229	0.016514685	4.9667E-06	14.9032259	1.56337E-05	0.000202744	0.000138476
2021 Feb	48.07918549	0.082429044	0.006047204	0.000993508	11.49341965	0.038641926	4.422709465	0.000993508	0.000993508	4.96754E-06	0.007870784	0.001079098	0.01103382	0.016560907	4.96754E-06	14.93877792	1.56397E-05	0.000203164	0.000139324
2021 Mar	48.14329147	0.082488343	0.006063909	0.000993992	11.50964642	0.038652752	4.428281784	0.000993992	0.000993992	4.96996E-06	0.007873764	0.001080351	0.011037414	0.016592678	4.96996E-06	14.96408367	1.56491E-05	0.000203473	0.000139842
2021 Apr	48.21147156	0.082576364	0.006077416	0.000994922	11.52646065	0.03868432	4.43436861	0.000994922	0.000994922	4.97461E-06	0.007880636	0.001081776	0.011046717	0.016621692	4.97461E-06	14.98834324	1.56648E-05	0.000203783	0.000140229
2021 May	49.70255661	0.083493143	0.006485198	0.001009151	11.87766361	0.038874917	4.55184412	0.001009151	0.001009151	5.04575E-06	0.007969351	0.001111636	0.011153623	0.017344739	5.04575E-06	15.56105423	1.59945E-05	0.000211426	0.000152055
2021 Jun	44.32617569	0.037421197	0.008118129	0.000995462	8.949960709	0.025637513	3.20977807	0.000995462	0.000995462	4.97731E-06	0.007489146	0.001015766	0.010149489	0.015583821	4.97731E-06	13.47126102	2.02358E-05	0.000223101	0.000161568
2021 Jul	41.22444153	0.024736255	0.00755746	0.001032278	7.940969467	0.026406748	2.860784054	0.001032278	0.001032278	5.16139E-06	0.007353485	0.00100904	0.010086504	0.014303403	5.16139E-06	12.22860813	1.95861E-05	0.000205113	0.000136416
2021 Aug	41.69348526	0.025214175	0.007317114	0.001054493	8.386470795	0.030236604	3.056843042	0.001054493	0.001054493	5.27247E-06	0.007095615	0.001054166	0.010323744	0.014708763	5.27247E-06	12.56910896	1.70495E-05	0.000197051	0.000132545
2021 Sep	44.04188919	0.052329104	0.006397584	0.001015565	9.865735054	0.035336278	3.701615572	0.001015565	0.001015565	5.07782E-06	0.007251206	0.001054077	0.010818986	0.015222332	5.07782E-06	13.49598694	1.50144E-05	0.000194853	0.000126454
2021 Oct	46.17356873	0.073112369	0.005854728	0.001002061	10.89193344	0.038461465	4.179084301	0.001002061	0.001002061	5.01031E-06	0.007633854	0.001065452	0.011026285	0.015798787	5.01031E-06	14.23626709	1.48907E-05	0.000195127	0.000126705
2021 Nov	46.39728928	0.074060574	0.005855351	0.001004877	10.96256447	0.038693868	4.209041595	0.001004877	0.001004877	5.02439E-06	0.007671874	0.001069325	0.011069413	0.015870119	5.02439E-06	14.30807877	1.49352E-05	0.000195775	0.000127127
2021 Dec	46.435215	0.074173771	0.005857677	0.001005518	10.97310829	0.038729578	4.213342667	0.001005518	0.001005518	5.02759E-06	0.007678235	0.001070084	0.011077549	0.015882628	5.02759E-06	14.32002544	1.4945E-05	0.000195908	0.000127214
2022 Jan	46.47529602	0.07421919	0.005869125	0.001005569	10.98401165	0.038728718	4.217062473	0.001005569	0.001005569	5.02785E-06	0.00767851	0.001070783	0.011077019	0.015904427	5.02785E-06	14.33710575	1.49476E-05	0.000196101	0.000127605
2022 Feb	46.52379608	0.074247263	0.005885045	0.001005595	10.9966898	0.038720775	4.221180916	0.001005595	0.001005595	5.02798E-06	0.00767787	0.001071649	0.011075318	0.015932199	5.02798E-06	14.35834885	1.49505E-05	0.00019635	0.000128126
2022 Mar	46.56618881	0.074288033	0.005895741	0.001005954	11.00737381	0.038729735	4.22487402	0.001005954	0.001005954	5.02977E-06	0.007680154	0.001072488	0.011078189	0.015952805	5.02977E-06	14.374856	1.49572E-05	0.000196553	0.000128454
2022 Apr	46.94191742	0.074872024	0.00594637	0.001013752	11.09656906	0.039027136	4.25887537	0.001013752	0.001013752	5.06876E-06	0.007739422	0.001081063	0.011163436	0.016085012	5.06876E-06	14.49280357	1.50739E-05	0.000198153	0.000129612
2022 May	47.77947617	0.076200373	0.006053853	0.001031703	11.29468346	0.039716672	4.334804535	0.001031703	0.001031703	5.15851E-06	0.007876349	0.001100317	0.011360821	0.016373526	5.15851E-06	14.75223255	1.53413E-05	0.000201695	0.000131978
2022 Jun	41.30530548	0.042355459	0.006470582	0.001006129	8.463924408	0.029476117	3.125678539	0.001006129	0.001006129	5.03065E-06	0.007588863	0.000972217	0.010572898	0.013630879	5.03065E-06	12.11046982	1.87793E-05	0.000198952	0.000114741
2022 Jul	34.28962708	0.011701514	0.006096705	0.000969297	6.399875641	0.02624687	2.355473995	0.000969297	0.000969297	4.84648E-06	0.006379041	0.000922171	0.008965258	0.011883799	4.84648E-06	9.976175308	1.58802E-05	0.000161602	9.8089E-05
2022 Aug	36.59873962	0.015121602	0.006183111	0.001016634	7.294563293	0.030910844	2.708316326	0.001016634	0.001016634	5.08317E-06	0.006345306	0.001000398	0.009556243	0.012964559	5.08317E-06	13.02961559	1.63902E-05	0.000163001	0.000102589
2022 Sep	40.48769379	0.040472969	0.005849716	0.001002225	8.964818954	0.035288423	3.376296282	0.001002225	0.001002225	5.01113E-06	0.006699064	0.001024208	0.010368889	0.014043679	5.01113E-06	12.33861256	1.30051E-05	0.000174089	0.000107541
2022 Oct	43.21194458	0.06141331	0.00553757	0.000991252	10.06904316	0.037804883	3.864510775	0.000991252	0.000991252	4.95626E-06	0.007164125	0.001039107	0.010642052	0.014835048	4.95626E-06	13.26763344	1.34628E-05	0.00017998	0.000113094
2022 Nov	43.45032883	0.062136233	0.005553236	0.000995067	10.13515472	0.038016431	3.891334057	0.000995067	0.000995067	4.97533E-06	0.007203949	0.0010437	0.010691809	0.014913648	4.97533E-06	13.34290981	1.35283E-05	0.00018085	0.000113682
2022 Dec	43.48806381	0.062259752	0.005555365	0.000995632	10.14587021	0.038049992	3.89571023	0.000995632	0.000995632	4.97816E-06	0.00721026	0.0010444	0.010699473	0.014926014	4.97816E-06	13.35487556	1.35384E-05	0.000180985	0.000113774
2023 Jan	43.53125	0.062316161	0.005567369	0.000995672	10.15768147	0.038048845	3.899761438	0.000995672	0.000995672	4.97836E-06	0.007210804	0.001045124	0.010699023	0.014949114	4.97836E-06	13.37313366	1.35422E-05	0.000181194	0.000114188
2023 Feb	43.58272171	0.062350642	0.005583979	0.0009957	10.17116737	0.038040832	3.904163599	0.0009957	0.0009957	4.9785E-06	0.007210339	0.001046028	0.010697407	0.014978278	4.9785E-06	13.39554596	1.35457E-05	0.000181458	0.000114734
2023 Mar	43.61455917	0.062374841	0.005593517	0.000995802	10.17940044	0.038039751	3.90690136	0.000995802	0.000995802	4.97901E-06	0.00721071	0.001046612	0.010697451	0.014995475	4.97901E-06	13.40892315	1.35489E-05	0.000181618	0.000115041
2023 Apr	43.81914902	0.062655225	0.005622874	0.001000116	10.22760963	0.038201697	3.925162792	0.001000116	0.001000116	5.00058E-06	0.007241738	0.001051419	0.010743192	0.015069389	5.00058E-06	13.47387505	1.36086E-05	0.000182485	0.000115709
2023 May	48.53474426	0.064163134	0.00721164	0.001015243	11.34816837	0.037182715	4.276578903	0.001015243	0.001015243	5.07622E-06	0.007301581	0.001135919	0.010704501	0.017648939	5.07622E-06	15.44721603	1.4485E-05	0.000208734	0.000164371
2023 Jun	52.01105499	0.035836186	0.011147249	0.000980817	10.90600967	0.02276079	3.800753832	0.000980817	0.000980817	4.90409E-06	0.007048564	0.001158231	0.009491594	0.020448765	4.90409E-06	17.05731964	2.0173E-05	0.000264873	0.000258621
2023 Jul	42.78937912	0.021065176	0.008575946	0.001000439	8.345779419	0.02418457	2.953065634	0.001000439	0.001000439	5.0022E-06	0.006949413	0.001035235	0.009512098	0.015717547	5.0022E-06	13.17899227	1.91004E-05	0.000215308	0.000170087
2023 Aug	43.16225815	0.021326018	0.008235232	0.001040262	8.702619553	0.028480735	3.136584282	0.001040262	0.001040262	5.20131E-06	0.006830656	0.001088314	0.009802428	0.016018018	5.20131E-06	13.4036293	1.69475E-05	0.000205431	0.000162384
2023 Sep	44.42545319	0.032531012	0.007726597	0.001039837	9.497239113	0.032314036	3.44783473	0.001039837	0.001039837	5.19919E-06	0.006851058	0.0010964	0.010547619	0.016108558	5.19919E-06	13.85167122	1.51658E-05	0.000205918	0.000151957
2023 Oct	45.5062561	0.046395756	0.007238402	0.001031082	10.09040642	0.034465957	3.736386061	0.001031082	0.001031082	5.15541E-06	0.007126128	0.001096849	0.010721068	0.016270367	5.15541E-06	14.18401623	1.51104E-05	0.000204528	0.000147868
2023 Nov	45.85500336	0.048402987	0.007208448	0.001034681	10.21348476	0.034902643	3.790878534	0.001034681	0.001034681	5.17341E-06	0.007194435	0.001101941	0.010792726	0.01636599	5.17341E-06	14.29213142	1.51725E-05	0.000205286	0.000148018
2023 Dec	45.88887024	0.048565872	0.007207197	0.001035114	10.22454929	0.034941703	3.795668602	0.001035114	0.001035114	5.17557E-06	0.007200802	0.0011025	0.010799888	0.01637584	5.17557E-06	14.30264091	1.51796E-05	0.000205376	0.000148052
2024 Jan	45.93777084	0.048649631	0.007219877	0.001035076	10.2386837	0.034942452	3.800651789	0.001035076	0.001035076	5.17538E-06	0.007201197	0.001103285	0.010798777	0.016402135	5.17538E-06	14.32359886	1.51817E-05	0.000205598	0.000148519
2024 Feb	45.99958038	0.048699606	0.007239511	0.00103506	10.25525284	0.034933291	3.806122065	0.00103506	0.00103506	5.1753E-06	0.007200422	0.001104354	0.010796395	0.016437365	5.1753E-06	14.35072327	1.51848E-05	0.000205909	0.000149178
2024 Mar	46.09065628	0.04878765	0.007259215	0.001036347	10.27707005	0.034972038	3.813851118	0.001036347	0.001036347	5.18173E-06	0.007209014	0.001106315	0.010808615	0.016477035	5.18173E-06	14.38338852	1.52055E-05	0.000206335	0.000149723
2024 Apr	46.22464371	0.048924815	0.007283304	0.001038935	10.30778694	0.035056792	3.825045347	0.001038935	0.001038935	5.19468E-06	0.007226821	0.001109406	0.010834945	0.016528897	5.19468E-06	14.42756653	1.52445E-05	0.000206946	0.000150296
2024 May	55.33326721	0.053390317	0.010410803	0.001041891	12.56846428	0.032444537	4.540342808	0.001041891	0.001041891	5.20945E-06	0.00719189	0.001263507	0.010475184	0.021696443	5.20945E-06	18.36483765	1.65857E-05	0.000257041	0.000250472
2024 Jun	66.36698914	0.047240216	0.015621444	0.00098569	14.7967186	0.021461459	5.0920028 69	0.00098569	0.00098569	4.92845E-06	0.006851473	0.001414091	0.009053252	0.028608594	4.92845E-06	23.35541725	2.04906E-05	0.000335452	0.000408767
2024 Jul	64.02909851	0.042491544	0.01471239	0.001046308	13.97284889	0.023470454	4.831046581	0.001046308	0.001046308	5.23154E-06	0.007226788	0.001400633	0.009640589	0.02696503	5.23154E-06	22.07549286	2.11317E-05	0.000322686	0.000371306
2024 Aug	62.68465424	0.042972937	0.013766951	0.001077848	13.86189651	0.027531032	4.825045586	0.001077848	0.001077848	5.38924E-06	0.007198772	0.001399496	0.010331889	0.025932569	5.38924E-06	21.4393959	1.92323E-05	0.000309385	0.000339959
2024 Sep	57.8317337	0.057164531	0.010996573	0.001045565	13.28926373	0.032802846	4.757029533	0.001045565	0.001045565	5.22782E-06	0.007232271	0.001292643	0.010877844	0.022715278	5.22782E-06	19.33833313	1.65602E-05	0.000272316	0.00026699
2024 Oct	56.69867325	0.06753888	0.009907522	0.001039259	13.2628479	0.035130937	4.837757587	0.001039259	0.001039259	5.1963E-06	0.00748207	0.001261433	0.011043244	0.021739433	5.1963E-06	18.74057007	1.63049E-05	0.000259468	0.000242143
2024 Nov	56.17645645	0.072276264	0.009408939	0.001036299	13.24977779	0.036192548	4.874298096	0.001036299	0.001036299	5.18149E-06	0.007595701	0.001247072	0.011118026	0.021291709	5.18149E-06	18.46590614	1.61869E-05	0.000253576	0.000230767
2024 Dec	56.19725418	0.07243631	0.009402292	0.001036847	13.2573967	0.036240395	4.878118992	0.001036847	0.001036847	5.18423E-06	0.007603053	0.001247465	0.01112653	0.021293437	5.18423E-06	18.47020531	1.61937E-05	0.000253583	0.000230625
2025 Jan	56.24161911	0.07250309	0.009414413	0.001036812	13.27010345	0.0362399	4.882582664	0.001036812	0.001036812	5.18406E-06	0.007603048	0.001248211	0.011124886	0.021318071	5.18406E-06	18.48950386	1.6195E-05	0.000253783	0.000231068
2025 Feb	56.31348419	0.072552979	0.009437049	0.001036912	13.28896236	0.03623236	4.888807297	0.001036912	0.001036912	5.18456E-06	0.007602724	0.00124951	0.011123131	0.021358486	5.18456E-06	18.5205822	1.61998E-05	0.000254144	0.000231812
2025 Mar	56.36237717	0.072592683	0.009451018	0.001037146	13.30153561	0.036234491	4.893044472	0.001037146	0.001037146	5.18573E-06	0.007603857	0.001250434	0.011124091	0.021384204	5.18573E-06	18.54072189	1.62052E-05	0.000254384	0.000232257
2025 Apr	56.45032883	0.072692722	0.009469051	0.001038385	13.3228817	0.036274359	4.900675774	0.001038385	0.001038385	5.19192E-06	0.007612614	0.001252293	0.011136506	0.021421654	5.19192E-06	18.57196426	1.62256E-05	0.000254792	0.000232759

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 May	57.59653854	0.074161991	0.009662795	0.00105931	13.59359646	0.037003458	5.000153542	0.00105931	0.00105931	5.29655E-06	0.007765878	0.001277682	0.011360518	0.021858361	5.29655E-06	18.95003319	1.65532E-05	0.000259972	0.000237545
2025 Jun	45.84334564	0.040589325	0.008205182	0.001018559	9.49640274	0.027935956	3.41534996	0.001018559	0.001018559	5.09279E-06	0.007527994	0.001053906	0.01055258	0.016188264	5.09279E-06	14.05488491	1.94352E-05	0.000226726	0.000164813
2025 Jul	37.31087494	0.015281312	0.006911755	0.001007414	6.809882164	0.024721351	2.436731577	0.001007414	0.001007414	5.03707E-06	0.007048792	0.000942431	0.009737622	0.012591674	5.03707E-06	10.75068378	1.90902E-05	0.000188869	0.00011222
2025 Aug	38.87290573	0.016809553	0.006908332	0.001051208	7.464003563	0.028912691	2.715854883	0.001051208	0.001051208	5.25604E-06	0.006976963	0.00101387	0.010083763	0.013468249	5.25604E-06	11.44689369	1.71904E-05	0.0001857	0.000114869
2025 Sep	40.91546631	0.030525364	0.00663691	0.001044278	8.442081451	0.03209224	3.110797405	0.001044278	0.001044278	5.22139E-06	0.007074107	0.00103268	0.010555164	0.014076585	5.22139E-06	12.23543835	1.60094E-05	0.00018908	0.000115796
2025 Oct	43.23187637	0.053051651	0.006094021	0.001018486	9.60794735	0.035288781	3.638163805	0.001018486	0.001018486	5.09243E-06	0.007381896	0.001041033	0.010725685	0.014769024	5.09243E-06	13.10281944	1.55216E-05	0.000189704	0.00011828
2025 Nov	44.12223053	0.061079439	0.005913205	0.001011147	10.03521252	0.036475603	3.830217123	0.001011147	0.001011147	5.05574E-06	0.007503012	0.001045763	0.010804178	0.015038347	5.05574E-06	13.43091774	1.53763E-05	0.00019025	0.000119358
2025 Dec	44.16302872	0.06123716	0.0059142	0.001011669	10.04784012	0.036516044	3.835468531	0.001011669	0.001011669	5.05834E-06	0.007509498	0.001046486	0.01081209	0.015051743	5.05834E-06	13.44418716	1.53838E-05	0.000190377	0.000119449
2026 Jan	44.22031784	0.061314438	0.005929779	0.001011723	10.06381416	0.036517192	3.840988874	0.001011723	0.001011723	5.05862E-06	0.00751001	0.001047464	0.010811583	0.015082495	5.05862E-06	13.46853924	1.53868E-05	0.000190646	0.000119992
2026 Feb	44.28818893	0.061360907	0.005951566	0.001011754	10.08176327	0.036507644	3.846867085	0.001011754	0.001011754	5.05877E-06	0.00750923	0.001048664	0.010809405	0.015121079	5.05877E-06	13.49820042	1.53904E-05	0.000190991	0.000120712
2026 Mar	44.36156082	0.061436642	0.005968332	0.001012602	10.09982872	0.036532428	3.85323143	0.001012602	0.001012602	5.06301E-06	0.007514972	0.001050179	0.010817096	0.015154533	5.06301E-06	13.52545738	1.5405E-05	0.000191335	0.000121203
2026 Apr	44.55045319	0.061683457	0.005997682	0.001016441	10.14361191	0.036667619	3.869632959	0.001016441	0.001016441	5.0822E-06	0.00754315	0.001054524	0.010857326	0.015223851	5.0822E-06	13.58583832	1.54644E-05	0.000192166	0.000121886
2026 May	46.60663986	0.062843189	0.006597834	0.00103133	10.63443184	0.036716979	4.031131744	0.00103133	0.00103133	5.15665E-06	0.00763095	0.001094158	0.010948544	0.016264264	5.15665E-06	14.4011364	1.5874E-05	0.000202915	0.000139792
2026 Jun	46.23865128	0.028142443	0.009623708	0.000977807	9.188153267	0.021889118	3.197414875	0.000977807	0.000977807	4.88904E-06	0.007135878	0.001051349	0.009587818	0.017218327	4.88904E-06	14.51299667	2.071E-05	0.000240618	0.000203289
2026 Jul	43.36480713	0.021462755	0.00871618	0.001023069	8.276323318	0.023533544	2.903939486	0.001023069	0.001023069	5.11535E-06	0.007303036	0.001032665	0.009907475	0.015571832	5.11535E-06	13.1564827	2.07223E-05	0.000224046	0.00016782
2026 Aug	42.51774216	0.020537185	0.008001594	0.001047793	8.51361084	0.028847186	3.077830791	0.001047793	0.001047793	5.23897E-06	0.006876007	0.001081279	0.009879501	0.015623069	5.23897E-06	13.09506798	1.69616E-05	0.000201742	0.000153987
2026 Sep	43.91957092	0.029638145	0.007777613	0.001056059	9.121730804	0.031227304	3.330903053	0.001056059	0.001056059	5.2803E-06	0.007055989	0.001097932	0.010305829	0.015945688	5.2803E-06	13.56064796	1.65258E-05	0.00020427	0.00015181
2026 Oct	45.10581207	0.051527578	0.006894249	0.001022895	10.01431656	0.034416988	3.763030291	0.001022895	0.001022895	5.11447E-06	0.007325906	0.001082466	0.010493331	0.016012704	5.11447E-06	13.9615984	1.58316E-05	0.000199632	0.000143326
2026 Nov	45.31904984	0.052116312	0.006908947	0.001026721	10.07223606	0.034618098	3.786419868	0.001026721	0.001026721	5.13361E-06	0.007361838	0.001086845	0.010541451	0.016082453	5.13361E-06	14.02817059	1.58878E-05	0.00020041	0.000143798
2026 Dec	45.34999847	0.052233819	0.006909418	0.001027183	10.08162498	0.034650855	3.79033494	0.001027183	0.001027183	5.13591E-06	0.007367174	0.001087412	0.010548297	0.016092025	5.13591E-06	14.03788471	1.58942E-05	0.000200507	0.000143847
2027 Jan	45.38710785	0.052292146	0.006918905	0.001027219	10.09217262	0.034653526	3.794029236	0.001027219	0.001027219	5.1361E-06	0.007367717	0.001088033	0.010548312	0.016111517	5.1361E-06	14.0535202	1.58959E-05	0.000200678	0.000144185
2027 Feb	45.43100739	0.052326232	0.006932741	0.001027234	10.10389519	0.034648079	3.797891617	0.001027234	0.001027234	5.13617E-06	0.007367271	0.001088801	0.010547006	0.016136317	5.13617E-06	14.07266998	1.58981E-05	0.000200899	0.000144645
2027 Mar	45.49044418	0.052385699	0.006945705	0.001028044	10.11818409	0.034672167	3.802965403	0.001028044	0.001028044	5.14022E-06	0.007372783	0.001090071	0.01055453	0.016162451	5.14022E-06	14.09410954	1.59117E-05	0.000201176	0.000145009
2027 Apr	45.78364182	0.052718192	0.006992701	0.001034365	10.18401051	0.034883481	3.827536821	0.001034365	0.001034365	5.17182E-06	0.007417939	0.001097008	0.010618964	0.016269499	5.17182E-06	14.18668461	1.60102E-05	0.000202481	0.000146044
2027 May	47.68545532	0.054131892	0.007485562	0.001054115	10.63438129	0.035241712	3.980469942	0.001054115	0.001054115	5.27058E-06	0.007548408	0.001135312	0.010780921	0.017167397	5.27058E-06	14.90519333	1.64453E-05	0.000212061	0.00016027
2027 Jun	38.5103569	0.020292358	0.007271761	0.00098456	7.042159081	0.022649528	2.479465961	0.00098456	0.00098456	4.9228E-06	0.007253708	0.000920304	0.00986051	0.012842988	4.9228E-06	11.10827827	2.06048E-05	0.000202846	0.000122403
2027 Jul	37.74564743	0.013253912	0.007200448	0.001034027	6.545449734	0.022964304	2.293343544	0.001034027	0.001034027	5.17013E-06	0.007482118	0.000932082	0.010165718	0.012307315	5.17013E-06	10.60238934	2.15072E-05	0.00020109	0.000110423
2027 Aug	39.93512344	0.016866079	0.00730327	0.001076179	7.348345757	0.026871489	2.599548817	0.001076179	0.001076179	5.3809E-06	0.007511941	0.000996672	0.010795483	0.013215254	5.3809E-06	11.45602703	2.00394E-05	0.000204855	0.000113917
2027 Sep	42.43943405	0.037674114	0.006724982	0.001051065	8.802211761	0.032026034	3.212690353	0.001051065	0.001051065	5.25532E-06	0.007469844	0.001023031	0.011204855	0.014119082	5.25532E-06	12.56106281	1.7385E-05	0.000202913	0.000115
2027 Oct	44.12667847	0.054974478	0.006264221	0.001030476	9.718224525	0.034817804	3.640012503	0.001030476	0.001030476	5.15238E-06	0.007651333	0.001035153	0.011218221	0.014728916	5.15238E-06	13.24431992	1.6682E-05	0.000200572	0.000117592
2027 Nov	44.71637344	0.059188694	0.00618761	0.001030513	9.972737312	0.03561746	3.754624605	0.001030513	0.001030513	5.15256E-06	0.007728154	0.0010427	0.011272993	0.014936429	5.15256E-06	13.46179867	1.6598E-05	0.000200961	0.000118727
2027 Dec	44.76244736	0.059430186	0.006185668	0.001030862	9.989479065	0.035671502	3.761915207	0.001030862	0.001030862	5.15431E-06	0.007734798	0.001043448	0.011279672	0.014952373	5.15431E-06	13.4777689	1.65991E-05	0.000201049	0.000118827
2028 Jan	44.82509613	0.059518423	0.00620302	0.001030818	10.00745869	0.035671245	3.768180132	0.001030818	0.001030818	5.15409E-06	0.007734472	0.001044513	0.011277538	0.014987307	5.15409E-06	13.50514603	1.65996E-05	0.000201334	0.000119454
2028 Feb	44.90819168	0.059579078	0.006229036	0.001030916	10.029459	0.035663202	3.775461197	0.001030916	0.001030916	5.15458E-06	0.007733952	0.001046011	0.011275446	0.015034101	5.15458E-06	13.54118252	1.66043E-05	0.000201748	0.000120314
2028 Mar	44.96102905	0.059622362	0.006244199	0.00103115	10.04312134	0.035665128	3.780062675	0.00103115	0.00103115	5.15575E-06	0.007735032	0.001047005	0.0112763	0.01506205	5.15575E-06	13.56305218	1.66097E-05	0.000202007	0.0001208
2028 Apr	45.14827347	0.059855714	0.006274572	0.001034899	10.08598518	0.035791345	3.795894384	0.001034899	0.001034899	5.1745E-06	0.007762775	0.001051234	0.011316341	0.015130498	5.1745E-06	13.62284756	1.6671E-05	0.000202861	0.000121495
2028 May	45.88249969	0.06081669	0.006379585	0.00105139	10.25052071	0.036358368	3.85760808	0.00105139	0.00105139	5.25695E-06	0.007886226	0.001068247	0.011495981	0.015380195	5.25695E-06	13.84645176	1.69377E-05	0.000206171	0.000123596
2028 Jun	37.63091278	0.022639781	0.006743162	0.000988923	6.8676548	0.023590827	2.435711861	0.000988923	0.000988923	4.94462E-06	0.007377579	0.000898866	0.010127112	0.012097729	4.94462E-06	10.63377666	2.05749E-05	0.000197786	0.000105732
2028 Jul	37.1819191	0.014254351	0.006982866	0.001023942	6.443790913	0.022918802	2.260796547	0.001023942	0.001023942	5.11971E-06	0.007464048	0.000914685	0.010164896	0.011964477	5.11971E-06	10.37197971	2.13876E-05	0.000198464	0.000104616
2028 Aug	40.04598236	0.016534233	0.007377272	0.001094775	7.144462109	0.025953524	2.520123959	0.001094775	0.001094775	5.47388E-06	0.007835574	0.000991945	0.010945754	0.013005721	5.47388E-06	11.29478264	2.16911E-05	0.000209633	0.000111692
2028 Sep	42.32736969	0.032851107	0.00703656	0.001088073	8.250821114	0.029680315	3.000013113	0.001088073	0.001088073	5.44037E-06	0.00797125	0.001022403	0.011218925	0.013855455	5.44037E-06	12.21556187	2.04506E-05	0.000209913	0.00011547
2028 Oct	45.34875488	0.068418942	0.005946589	0.001022973	10.22739124	0.035985995	3.907110929	0.001022973	0.001022973	5.11486E-06	0.008029667	0.001038915	0.011158364	0.015063039	5.11486E-06	13.61572838	1.74963E-05	0.000200581	0.00011945
2028 Nov	46.07460785	0.073192015	0.005865499	0.001023541	10.54470825	0.037025515	4.046361923	0.001023541	0.001023541	5.1177E-06	0.008101665	0.001049293	0.011241605	0.015328335	5.1177E-06	13.89213562	1.72877E-05	0.0002011	0.000120889
2028 Dec	46.10793686	0.073306479	0.005866793	0.001024017	10.55490494	0.037060052	4.050572395	0.001024017	0.001024017	5.12008E-06	0.00810658	0.001049947	0.011248142	0.015339827	5.12008E-06	13.90316296	1.7292E-05	0.0002012	0.000120969
2029 Jan	46.15162659	0.073355153	0.005879643	0.001023991	10.56725502	0.037058342	4.054776192	0.001023991	0.001023991	5.11996E-06	0.008105938	0.001050707	0.011246625	0.015364589	5.11996E-06	13.92243576	1.72916E-05	0.000201405	0.000121419
2029 Feb	46.20634842	0.073385641	0.005897848	0.001023978	10.58178329	0.037048824	4.05948925	0.001023978	0.001023978	5.11989E-06	0.008104706	0.001051684	0.011244199	0.015396476	5.11989E-06	13.94675541	1.72932E-05	0.000201683	0.000122021
2029 Mar	46.24794769	0.073420949	0.005909277	0.001024231	10.5923996	0.037053056	4.063092709	0.001024231	0.001024231	5.12116E-06	0.008106097	0.001052484	0.011245738	0.015417784	5.12116E-06	13.96356773	1.72984E-05	0.000201886	0.00012238
2029 Apr	46.33459854	0.073540993	0.005923833	0.00102577	10.61286545	0.037105899	4.070676327	0.00102577	0.00102577	5.12885E-06	0.008117923	0.001054372	0.01126192	0.015450911	5.12885E-06	13.99215412	1.73249E-05	0.000202277	0.000122752
2029 May	47.13227081	0.074257299	0.006109865	0.001035993	10.80032635	0.037355579	4.135922909	0.001035993	0.001035993	5.17996E-06	0.008189583	0.001070913	0.011355288	0.015805632	5.17996E-06	14.28141689	1.75299E-05	0.000206185	0.000127946
2029 Jun	44.00282669	0.047219366	0.007136005	0.001015742	9.141718864	0.029334825	3.365581751	0.001015742	0.001015742	5.07871E-06	0.007791151	0.001013008	0.010633627	0.014910238	5.07871E-06	13.14799309	1.96691E-05	0.000212838	0.000137301
2029 Jul	35.31069565	0.012617569	0.006425964	0.000985597	6.429145813	0.025016719	2.329017401	0.000985597	0.000985597	4.92798E-06	0.006732254	0.000920147	0.009326999	0.011965456	4.92798E-06	10.14257431	1.77374E-05	0.000174192	0.00010168
2029 Aug	37.150177	0.015195058	0.006407263	0.001027787	7.254066467	0.029900623	2.672374964	0.001027787	0.001027787	5.13894E-06	0.006586724	0.000998663	0.00972777	0.01299898	5.13894E-06	10.99495983	1.52487E-05	0.000170667	0.000105241
2029 Sep	39.96029663	0.030152438	0.00628762	0.001036482	8.349144936	0.033129029	3.112615585	0.001036482	0.001036482	5.18241E-06	0.006877279	0.001031153	0.010323518	0.013854193	5.18241E-06	11.98938274	1.4823E-05	0.000178586	0.000109639
2029 Oct	42.3554306	0.049312439	0.005951823	0.00102237	9.395670891	0.035736911	3.571635962	0.00102237	0.00102237	5.11185E-06	0.007221187	0.00104413	0.010579458	0.014565024	5.11185E-06	12.84272575	1.47851E-05	0.000182654	0.000113829
2029 Nov	43.10463715	0.054478575	0.005880756	0.00102159	9.696997643	0.036523003	3.702231646	0.00102159	0.00102159	5.10795E-06	0.007332019	0.001050517	0.010676814	0.014793074	5.10795E-06	13.10323334	1.48174E-05	0.000184242	0.000115253
2029 Dec	43.13739014	0.05461945	0.005881139	0.00102193	9.707495689	0.036554325	3.706606627	0.00102193	0.00102193	5.10965E-06	0.007337199	0.001051035	0.010682846	0.014803628	5.10965E-06	13.11396122	1.48234E-05	0.000184344	0.000115327
2030 Jan	43.18742752	0.054692794	0.005894781	0.001021914	9.721626282	0.03655342	3.711483955	0.001021914	0.001021914	5.10957E-06	0.007337463	0.001051849	0.010681982	0.014830593	5.10957E-06	13.13538647	1.48259E-05	0.000184582	0.000115811
2030 Feb	43.25505829	0.054746144	0.00591514	0.001022088	9.739297867	0.03655031	3.717359543	0.001022088	0.001022088	5.11044E-06	0.007337954	0.001053074	0.010681699	0.014867406	5.11044E-06	13.1640234	1.48317E-05	0.00018492	0.000116473
2030 Mar	43.31227493	0.054800995	0.005929015	0.001022664	9.753511429	0.036565844	3.722311258	0.001022664	0.001022664	5.11332E-06	0.007341679	0.001054239	0.010686577	0.014894462	5.11332E-06	13.18582249	1.48418E-05	0.000185192	0.000116889
2030 Apr	43.43238831	0.054942951	0.00594891	0.001025058	9.781320572	0.036648527	3.732654095	0.001025058	0.001025058	5.12529E-06	0.007358626	0.001057031	0.010710935	0.014939986	5.12529E-06	13.22489357	1.48776E-05	0.000185721	0.000117362
2030 May	44.22817993	0.055917818	0.006065687	0.001042978	9.961403847	0.037278242	3.800745487	0.001042978	0.001042978	5.21489E-06	0.007486873	0.001076128	0.010896698	0.015222058	5.21489E-06	13.47200012	1.51423E-05	0.00018917	0.000119821
2030 Jun	38.59049225	0.023401026	0.007001434	0.000990238	7.199054241	0.024141572	2.565424919	0.000990238	0.000990238	4.95119E-06	0.007282955	0.000926831	0.009986741	0.012796571	4.95119E-06	11.12757778	2.005E-05	0.000199203	0.000116953
2030 Jul	35.775173 19	0.013137746	0.006624407	0.000988052	6.402384281	0.023855956	2.288226366	0.000988052	0.000988052	4.94026E-06	0.006924786	0.000909709	0.00953034	0.011920549	4.94026E-06	10.18570042	1.89258E-05	0.000182396	0.000103544
2030 Aug	37.22945786	0.014365314	0.006597362	0.001030671	7.059491158	0.028248725	2.579007864	0.001030671	0.001030671	5.15336E-06	0.006797459	0.000985475	0.009766112	0.012859926	5.15336E-06	10.88877964	1.67518E-05	0.000176896	0.000106997
2030 Sep	39.21868515	0.019569423	0.006733677	0.001061846	7.655963421	0.030338297	2.806366444	0.001061846	0.001061846	5.30923E-06	0.007039347	0.001024953	0.010278394	0.013514176	5.30923E-06	11.54758549	1.68058E-05	0.000184297	0.00011104
2030 Oct	41.53226471	0.040130295	0.006290009	0.001039064	8.783046722	0.033351514	3.303085804	0.001039064	0.001039064	5.19532E-06	0.00730553	0.001035245	0.010497298	0.014221834	5.19532E-06	12.42056179	1.62608E-05	0.000186239	0.000114328
2030 Nov	42.52822113	0.048591934	0.006115894	0.001030971	9.254682541	0.0346241	3.510269403	0.001030971	0.001030971	5.15485E-06	0.00742311	0.001040682	0.010599309	0.014528267	5.15485E-06	12.79251671	1.6057E-05	0.000187254	0.00011581
2030 Dec	42.55854416	0.048740182	0.006115332	0.001031206	9.265235901	0.034655947	3.514710903	0.001031206	0.001031206	5.15603E-06	0.00742753	0.001041131	0.010604599	0.014538103	5.15603E-06	12.80276012	1.60595E-05	0.000187336	0.000115873
2031 Jan	42.61008835	0.048821405	0.006128902	0.001031186	9.280094147	0.034657426	3.519886017	0.001031186	0.001031186	5.15593E-06	0.007427741	0.001041971	0.010603881	0.014565772	5.15593E-06	12.82486916	1.60607E-05	0.000187574	0.000116363
2031 Feb	42.67100143	0.048868947	0.006148279	0.001031172	9.29646492	0.034648813	3.525269508	0.001031172	0.001031172	5.15586E-06	0.00742686	0.001043027	0.010601712	0.014600468	5.15586E-06	12.85163021	1.60631E-05	0.000187881	0.000117011
2031 Mar	42.71698761	0.048909504	0.006160684	0.001031473	9.308174133	0.034654494	3.52925992	0.001031473	0.001031473	5.15736E-06	0.007428604	0.001043914	0.010603705	0.014623755	5.15736E-06	12.87006855	1.60693E-05	0.000188104	0.0001174
2031 Apr	42.95706558	0.049177457	0.006198612	0.001036807	9.36145401	0.034831159	3.549204111	0.001036807	0.001036807	5.18403E-06	0.007466774	0.001049646	0.010657907	0.01471026	5.18403E-06	12.94502258	1.61532E-05	0.000189174	0.000118209
2031 May	49.14639664	0.052299276	0.008230861	0.001049543	10.89911079	0.033674154	4.039225101	0.001049543	0.001049543	5.24772E-06	0.007497053	0.001158204	0.010575457	0.018117521	5.24772E-06	15.56983089	1.70126E-05	0.000222702	0.000182178
2031 Jun	63.91466522	0.046822987	0.01462579	0.00100491	14.13320541	0.022845006	4.896646976	0.00100491	0.00100491	5.02455E-06	0.007052711	0.001378034	0.009338182	0.027033497	5.02455E-06	22.17105484	2.05934E-05	0.000321212	0.000375626
2031 Jul	62.90732193	0.043035794	0.014108599	0.001073147	13.62298584	0.024746725	4.735548496	0.001073147	0.001073147	5.36574E-06	0.007492227	0.001387165	0.00999606	0.026037265	5.36574E-06	21.41085815	2.15731E-05	0.000315997	0.00034969
2031 Aug	59.84823608	0.040645458	0.01277836	0.001092254	13.12529755	0.028894924	4.61852169	0.001092254	0.001092254	5.46127E-06	0.007255964	0.001369706	0.010317612	0.024465708	5.46127E-06	20.22176743	1.88563E-05	0.000290392	0.000309544
2031 Sep	55.14445877	0.057248075	0.009965119	0.001045438	12.68847179	0.034183409	4.595459938	0.001045438	0.001045438	5.22719E-06	0.007237315	0.001253923	0.010887623	0.021268807	5.22719E-06	18.20893288	1.58974E-05	0.00025429	0.000237169
2031 Oct	51.83333206	0.082362637	0.007335595	0.00099784	12.52510166	0.038533393	4.743556499	0.00099784	0.00099784	4.9892E-06	0.007665038	0.0011539	0.010985121	0.018790822	4.9892E-06	16.65132904	1.50745E-05	0.000221954	0.000179868
2031 Nov	51.81937408	0.084409565	0.007186425	0.000998671	12.56510258	0.038986996	4.77300787	0.000998671	0.000998671	4.99335E-06	0.007725461	0.001151797	0.011036603	0.018698735	4.99335E-06	16.61320305	1.50799E-05	0.000220657	0.000176699
2031 Dec	51.83308792	0.084497377	0.00718367	0.00099897	12.56980038	0.039011996	4.775243282	0.00099897	0.00099897	4.99485E-06	0.007729483	0.001152045	0.011041246	0.018700929	4.99485E-06	16.61653519	1.50842E-05	0.000220676	0.000176647
2032 Jan	51.87745667	0.084541671	0.00719693	0.000999001	12.58179188	0.039008811	4.779292583	0.000999001	0.000999001	4.99501E-06	0.007729445	0.001152822	0.011040101	0.018725615	4.99501E-06	16.63568878	1.50869E-05	0.000220892	0.000177097
2032 Feb	51.93721771	0.084570132	0.007217138	0.000999007	12.59733486	0.038996767	4.784293175	0.000999007	0.000999007	4.99504E-06	0.007728308	0.00115389	0.011037491	0.018760365	4.99504E-06	16.66210747	1.50902E-05	0.000221202	0.000177757
2032 Mar	51.98857117	0.084616475	0.007230715	0.000999376	12.61035633	0.039004527	4.788749695	0.000999376	0.000999376	4.99688E-06	0.00773052	0.00115489	0.011040119	0.018786034	4.99688E-06	16.68250275	1.50975E-05	0.000221451	0.00017818

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Apr	52.16414261	0.084881485	0.007258721	0.001002407	12.65325737	0.039119098	4.804769993	0.001002407	0.001002407	5.01203E-06	0.007753604	0.001158711	0.011072789	0.018853443	5.01203E-06	16.74102402	1.51442E-05	0.000222215	0.000178919
2032 May	53.22110367	0.086046711	0.007479391	0.001017445	12.90550709	0.039570097	4.894734859	0.001017445	0.001017445	5.08723E-06	0.007862306	0.001180989	0.011220265	0.019302815	5.08723E-06	17.11458206	1.54152E-05	0.000227196	0.000185006
2032 Jun	41.3866272	0.029908711	0.007670052	0.000979525	8.036551476	0.023991706	2.857744455	0.000979525	0.000979525	4.89763E-06	0.007326113	0.000961127	0.009962723	0.014204956	4.89763E-06	12.30670643	2.02691E-05	0.000212946	0.000142564
2032 Jul	33.97644043	0.011026575	0.00621693	0.000950473	6.213290215	0.02438564	2.255475044	0.000950473	0.000950473	4.75236E-06	0.006396377	0.000894681	0.008899032	0.011648034	4.75236E-06	9.819202423	1.66656E-05	0.000165878	9.95737E-05
2032 Aug	36.49528885	0.016727678	0.006163951	0.000989154	7.370035172	0.030297967	2.7038908	0.000989154	0.000989154	4.94577E-06	0.006206655	0.000975194	0.009635831	0.012807883	4.94577E-06	10.93531704	1.3479E-05	0.000165759	0.000102158
2032 Sep	38.9465332	0.025367498	0.006216074	0.001010561	8.25762558	0.033245288	3.030065298	0.001010561	0.001010561	5.0528E-06	0.006380042	0.001012347	0.010361577	0.0135477	5.0528E-06	11.79978848	1.28072E-05	0.000174786	0.00010527
2032 Oct	40.23749924	0.032935224	0.006154441	0.00101643	8.715555191	0.034465883	3.229493141	0.00101643	0.00101643	5.08215E-06	0.006602748	0.001027415	0.01054034	0.013948495	5.08215E-06	12.22691059	1.30791E-05	0.000178097	0.000108075
2032 Nov	40.83853149	0.037292417	0.006092564	0.001015737	8.951590538	0.035048857	3.334611893	0.001015737	0.001015737	5.07869E-06	0.006707826	0.001032139	0.01060315	0.014129111	5.07869E-06	12.43022823	1.31868E-05	0.000179331	0.000109295
2032 Dec	41.30306244	0.041823197	0.005998454	0.001010424	9.165869713	0.035519943	3.432973146	0.001010424	0.001010424	5.05212E-06	0.006790979	0.001032593	0.010623216	0.014260355	5.05212E-06	12.59359264	1.32436E-05	0.000179855	0.00011012
2033 Jan	41.40128326	0.041987769	0.006023875	0.001010436	9.19360733	0.035520915	3.44273138	0.001010436	0.001010436	5.05218E-06	0.006792725	0.001034172	0.010621882	0.014312236	5.05218E-06	12.63501358	1.32519E-05	0.000180312	0.00011104
2033 Feb	41.52342987	0.042091463	0.006061027	0.00101063	9.2257967	0.035510972	3.453451395	0.00101063	0.00101063	5.05315E-06	0.006793119	0.001036336	0.010619926	0.014379518	5.05315E-06	12.68721676	1.3262E-05	0.000180924	0.000112267
2033 Mar	41.63972473	0.042198371	0.006088546	0.001011945	9.25439167	0.035548009	3.463430166	0.001011945	0.001011945	5.05972E-06	0.006801457	0.001038756	0.010631558	0.014433424	5.05972E-06	12.73087025	1.32834E-05	0.000181474	0.000113071
2033 Apr	41.95018387	0.042506725	0.006139964	0.001018623	9.324965477	0.03577739	3.489428043	0.001018623	0.001018623	5.09312E-06	0.006846062	0.001046225	0.010700477	0.014548824	5.09312E-06	12.83042908	1.33735E-05	0.000182851	0.000114194
2033 May	61.06494522	0.05319348	0.012691467	0.001018634	14.05431843	0.029853795	4.987886429	0.001018634	0.001018634	5.09317E-06	0.006828104	0.001361791	0.009895577	0.025349537	5.09317E-06	21.06962395	1.65547E-05	0.000288826	0.000324933
2033 Jun	62.10558701	0.041501068	0.014661054	0.000954746	13.62188053	0.019979263	4.671086311	0.000954746	0.000954746	4.77373E-06	0.006674864	0.001328893	0.008786265	0.026509183	4.77373E-06	21.65475273	2.02961E-05	0.000317286	0.000376759
2033 Jul	57.01732254	0.034277067	0.012937292	0.001003071	12.16058731	0.022481868	4.210688591	0.001003071	0.001003071	5.01535E-06	0.006894722	0.001273826	0.009228402	0.023565155	5.01535E-06	19.31539345	2.0056E-05	0.000288023	0.000315362
2033 Aug	58.45707703	0.034755673	0.012983928	0.001062979	12.53339005	0.025516955	4.37267971	0.001062979	0.001062979	5.31489E-06	0.007130393	0.001333061	0.009760036	0.024081755	5.31489E-06	19.74800682	1.9829E-05	0.000289768	0.000313824
2033 Sep	54.24737167	0.05903523	0.009787974	0.001022852	12.3899107	0.032594733	4.512053967	0.001022852	0.001022852	5.11426E-06	0.007326986	0.001223747	0.010480564	0.020891657	5.11426E-06	17.84053421	1.68541E-05	0.000250742	0.000235617
2033 Oct	50.22997284	0.091388412	0.006342125	0.000970889	12.33279705	0.039413974	4.753100395	0.000970889	0.000970889	4.85444E-06	0.007817347	0.001105819	0.010853874	0.017749261	4.85444E-06	15.93916512	1.50444E-05	0.000208875	0.000158889
2033 Nov	50.32865143	0.095285662	0.006079138	0.000975204	12.44412994	0.040426083	4.820665836	0.000975204	0.000975204	4.87602E-06	0.007937274	0.001105228	0.010991558	0.017622646	4.87602E-06	15.91174889	1.50171E-05	0.000206927	0.0001532
2033 Dec	50.35253143	0.095362782	0.006079658	0.000975688	12.45078182	0.040453285	4.82345295	0.000975688	0.000975688	4.87844E-06	0.007941937	0.001105729	0.010997772	0.01762962	4.87844E-06	15.91879463	1.50238E-05	0.000207004	0.000153221
2034 Jan	50.39455795	0.095391721	0.006092865	0.000975749	12.46182632	0.040449161	4.827091694	0.000975749	0.000975749	4.87874E-06	0.007941734	0.001106488	0.010996871	0.01765319	4.87874E-06	15.93695545	1.50264E-05	0.000207216	0.000153654
2034 Feb	50.45063019	0.095414564	0.006111748	0.000975805	12.47623253	0.040439159	4.831707954	0.000975805	0.000975805	4.87902E-06	0.007940903	0.001107509	0.01099499	0.017685466	4.87902E-06	15.96152401	1.50299E-05	0.000207508	0.000154262
2034 Mar	50.50054169	0.095463619	0.006124384	0.00097621	12.48886967	0.040449217	4.83607769	0.00097621	0.00097621	4.88105E-06	0.007943497	0.00110849	0.010998184	0.017709836	4.88105E-06	15.98103714	1.50376E-05	0.000207747	0.000154652
2034 Apr	50.79481888	0.095993958	0.006163842	0.000981577	12.56181335	0.040667783	4.864023685	0.000981577	0.000981577	4.90789E-06	0.007986774	0.001114884	0.011057875	0.017816972	4.90789E-06	16.07629013	1.51211E-05	0.000208976	0.000155689
2034 May	57.31903458	0.093725473	0.008665457	0.00100089	14.02728748	0.038371716	5.291511536	0.00100089	0.00100089	5.00445E-06	0.007932702	0.001237522	0.010868608	0.021592896	5.00445E-06	18.88553238	1.6263E-05	0.000247355	0.000229773
2034 Jun	65.27227783	0.051044427	0.015024108	0.000977226	14.60302162	0.022058709	5.057172298	0.000977226	0.000977226	4.88613E-06	0.006954047	0.001384965	0.009107027	0.027850319	4.88613E-06	22.83883476	2.0499E-05	0.000328197	0.000393324
2034 Jul	53.71564102	0.034536052	0.011562339	0.001004882	11.56831741	0.025491513	4.0884552	0.001004882	0.001004882	5.02441E-06	0.006748772	0.001242705	0.009157787	0.02198259	5.02441E-06	18.04099655	1.81407E-05	0.000260646	0.000278795
2034 Aug	56.28262329	0.036375292	0.011855201	0.001077265	12.2047348	0.02877374	4.331118107	0.001077265	0.001077265	5.38632E-06	0.00710169	0.001318601	0.009930228	0.022895617	5.38632E-06	18.8514843	1.82721E-05	0.000269438	0.000282899
2034 Sep	53.54253387	0.061795022	0.009255785	0.001035715	12.29522991	0.034242898	4.540138721	0.001035715	0.001035715	5.17858E-06	0.007447443	0.001225586	0.010466021	0.020497207	5.17858E-06	17.50867462	1.66123E-05	0.000240952	0.000223369
2034 Oct	50.37366867	0.088801108	0.00651464	0.000981238	12.29489231	0.039277993	4.734496117	0.000981238	0.000981238	4.90619E-06	0.007805525	0.001119133	0.010800195	0.017935686	4.90619E-06	16.01226997	1.51433E-05	0.000209585	0.000162563
2034 Nov	50.47920227	0.090775363	0.006400377	0.000983691	12.36306763	0.039772108	4.771420002	0.000983691	0.000983691	4.91845E-06	0.007868465	0.001119499	0.010878433	0.017894626	4.91845E-06	16.01898193	1.51467E-05	0.000209027	0.000160129
2034 Dec	50.50587082	0.090862855	0.006400931	0.000984219	12.37053585	0.039802223	4.774537563	0.000984219	0.000984219	4.9211E-06	0.007873653	0.001120047	0.01088541	0.017902341	4.9211E-06	16.02685165	1.5154E-05	0.000209115	0.000160152
2035 Jan	50.54521179	0.090894304	0.006413072	0.000984263	12.38100433	0.039798748	4.778004646	0.000984263	0.000984263	4.92131E-06	0.007873483	0.001120745	0.010884605	0.017924277	4.92131E-06	16.04384422	1.51563E-05	0.000209312	0.000160554
2035 Feb	50.60005951	0.090921447	0.00643103	0.000984347	12.39513397	0.039791007	4.782573223	0.000984347	0.000984347	4.92173E-06	0.007873009	0.001121745	0.010883267	0.017955357	4.92173E-06	16.0676384	1.51601E-05	0.000209595	0.000161132
2035 Mar	50.6424408	0.090958647	0.00644241	0.000984635	12.40589523	0.039796587	4.786243439	0.000984635	0.000984635	4.92317E-06	0.007874691	0.001122567	0.010885219	0.017976733	4.92317E-06	16.08457565	1.51659E-05	0.000209801	0.000161487
2035 Apr	50.90154648	0.091401793	0.006478793	0.000989366	12.46958542	0.039984364	4.810540676	0.000989366	0.000989366	4.94683E-06	0.007912177	0.001128243	0.010936822	0.018072326	4.94683E-06	16.16885567	1.52396E-05	0.000210892	0.000162439
2035 May	53.89622879	0.092275701	0.007409937	0.001011102	13.163661	0.039869945	5.032635212	0.001011102	0.001011102	5.05551E-06	0.008021652	0.001186743	0.011050347	0.01961799	5.05551E-06	17.36588669	1.58586E-05	0.000227057	0.000189665
2035 Jun	45.23272705	0.027067021	0.009463987	0.000959924	8.909702301	0.020943467	3.092216492	0.000959924	0.000959924	4.79962E-06	0.007061264	0.001024836	0.009415475	0.016771231	4.79962E-06	14.14164734	2.07708E-05	0.000237286	0.000198667
2035 Jul	40.68441391	0.017906364	0.008145533	0.001002723	7.483564854	0.022111373	2.610268831	0.001002723	0.001002723	5.01362E-06	0.007253671	0.000972104	0.009784223	0.014163498	5.01362E-06	12.03938389	2.10244E-05	0.000214708	0.000147363
2035 Aug	42.44212341	0.022833275	0.007932306	0.001037124	8.362522125	0.027278027	2.946945429	0.001037124	0.001037124	5.18562E-06	0.007131856	0.001028296	0.010586187	0.014791221	5.18562E-06	12.77193832	1.83566E-05	0.000214066	0.000142451
2035 Sep	45.17944717	0.061342005	0.006297754	0.000991012	10.41797447	0.036056351	3.894915342	0.000991012	0.000991012	4.95506E-06	0.007284232	0.001040963	0.011139758	0.015418582	4.95506E-06	13.92054653	1.461E-05	0.000201076	0.000127731
2035 Oct	47.08850479	0.082788371	0.005637302	0.000980251	11.39188099	0.039430216	4.381275654	0.000980251	0.000980251	4.90125E-06	0.007707545	0.001055702	0.011197615	0.015968511	4.90125E-06	14.57921886	1.45639E-05	0.000197626	0.000126829
2035 Nov	47.31098175	0.089164816	0.0053698	0.000968173	11.6151247	0.040203888	4.504124641	0.000968173	0.000968173	4.84086E-06	0.007780632	0.001051406	0.011119462	0.016011711	4.84086E-06	14.67046928	1.44221E-05	0.000194767	0.000125429
2035 Dec	47.35274887	0.08932697	0.00537044	0.000968795	11.62774086	0.040247571	4.509524822	0.000968795	0.000968795	4.84397E-06	0.007788011	0.001052205	0.011127451	0.016025396	4.84397E-06	14.68373203	1.44319E-05	0.000194886	0.000125512
2036 Jan	47.41226196	0.089371577	0.005389161	0.000968851	11.64346218	0.040240772	4.514740944	0.000968851	0.000968851	4.84426E-06	0.007787668	0.001053272	0.011125621	0.016059056	4.84426E-06	14.70957756	1.44357E-05	0.000195182	0.000126134
2036 Feb	47.48895645	0.089402981	0.005415278	0.000968887	11.6632309	0.040225293	4.521075726	0.000968887	0.000968887	4.84443E-06	0.00778627	0.001054658	0.01112242	0.01610365	4.84443E-06	14.74341679	1.44403E-05	0.000195582	0.00012698
2036 Mar	47.53123093	0.089421369	0.005429505	0.000968921	11.674119	0.040217534	4.524576187	0.000968921	0.000968921	4.8446E-06	0.007785633	0.001055425	0.01112086	0.016128052	4.8446E-06	14.76197052	1.4443E-05	0.000195801	0.000127441
2036 Apr	48.11349869	0.090081342	0.005562961	0.000974896	11.82072449	0.040400188	4.576275349	0.000974896	0.000974896	4.87448E-06	0.007827156	0.001067133	0.011175529	0.016397255	4.87448E-06	14.98144913	1.45475E-05	0.000198522	0.000131474
2036 May	50.21667099	0.092374988	0.006038065	0.000998959	12.33897972	0.041103665	4.75901413	0.000998959	0.000998959	4.9948E-06	0.007996675	0.001109989	0.011399827	0.017347872	4.9948E-06	15.75946999	1.4985E-05	0.000208453	0.000145418
2036 Jun	42.45027542	0.033475928	0.007806691	0.000979834	8.396257401	0.024542734	2.996604443	0.000979834	0.000979834	4.89917E-06	0.007371938	0.000977084	0.010013253	0.014695854	4.89917E-06	12.73845863	2.01992E-05	0.000216588	0.000149547
2036 Jul	37.36252975	0.016419549	0.006833585	0.001000529	6.983962059	0.025667949	2.527121067	0.001000529	0.001000529	5.00265E-06	0.006885629	0.000955231	0.009533914	0.012862137	5.00265E-06	10.91127872	1.80858E-05	0.000183845	0.00011499
2036 Aug	39.63208008	0.017861551	0.007089415	0.001062579	7.603421211	0.028921269	2.772397995	0.001062579	0.001062579	5.3129E-06	0.007111396	0.001029646	0.010106531	0.013810043	5.3129E-06	11.69861698	1.77484E-05	0.000189351	0.000120456
2036 Sep	41.67839432	0.033146448	0.006732468	0.001050636	8.64119339	0.032339882	3.196082354	0.001050636	0.001050636	5.25318E-06	0.00720106	0.00104525	0.010581573	0.014394069	5.25318E-06	12.49703979	1.64012E-05	0.000191908	0.000120333
2036 Oct	44.63497543	0.063440442	0.005946105	0.00101334	10.19088936	0.036719579	3.898230553	0.00101334	0.00101334	5.0667E-06	0.007585336	0.001052902	0.010819572	0.015243639	5.0667E-06	13.61050797	1.55816E-05	0.000191837	0.000122074
2036 Nov	45.13124466	0.068551138	0.005812946	0.001006977	10.45187283	0.037456643	4.016526699	0.001006977	0.001006977	5.03488E-06	0.007649721	0.001054125	0.010859047	0.015386084	5.03488E-06	13.79761696	1.54422E-05	0.000191813	0.00012236
2036 Dec	45.26727676	0.070190653	0.005765653	0.001004278	10.53141022	0.037676491	4.053012371	0.001004278	0.001004278	5.02139E-06	0.007666289	0.001053893	0.010865491	0.015423664	5.02139E-06	13.85084248	1.5387E-05	0.000191689	0.00012238
2037 Jan	45.34694672	0.070284523	0.005788338	0.001004336	10.55338192	0.037674807	4.060502052	0.001004336	0.001004336	5.02168E-06	0.007666493	0.001055262	0.01086429	0.015467125	5.02168E-06	13.88500309	1.53908E-05	0.000192071	0.00012316
2037 Feb	45.44770813	0.070349261	0.005820437	0.001004467	10.57974243	0.037662964	4.069129944	0.001004467	0.001004467	5.02233E-06	0.007665835	0.001057075	0.01086196	0.015523816	5.02233E-06	13.92863274	1.53973E-05	0.000192583	0.000124208
2037 Mar	45.55721283	0.070468888	0.005844956	0.001005741	10.60682297	0.037701588	4.078719139	0.001005741	0.001005741	5.02871E-06	0.007674655	0.001059332	0.010873692	0.015573398	5.02871E-06	13.96916485	1.54193E-05	0.000193094	0.000124929
2037 Apr	45.74724197	0.070734404	0.005875318	0.001009284	10.65197086	0.037829138	4.095609188	0.001009284	0.001009284	5.04642E-06	0.007701166	0.001063585	0.010910817	0.015645297	5.04642E-06	14.0314064	1.5475E-05	0.000193926	0.000125691
2037 May	63.95769882	0.070230238	0.012790833	0.001008362	15.00513268	0.030648807	5.396996021	0.001008362	0.001008362	5.04181E-06	0.007303579	0.001380979	0.009935879	0.02640333	5.04181E-06	22.08202362	1.78796E-05	0.000299168	0.000340403
2037 Jun	64.17626953	0.045850921	0.015098684	0.000959184	14.23631096	0.020498401	4.897490025	0.000959184	0.000959184	4.79592E-06	0.006742554	0.001364381	0.008818937	0.027555175	4.79592E-06	22.50839424	2.03701E-05	0.000325739	0.000393648
2037 Jul	59.57232666	0.038396675	0.013536139	0.001017438	12.81755829	0.022760509	4.439530849	0.001017438	0.001017438	5.08719E-06	0.007071415	0.001315512	0.009394968	0.024737973	5.08719E-06	20.28954506	2.06705E-05	0.000300968	0.000334677
2037 Aug	60.30336761	0.039422031	0.013337581	0.001062362	13.08581066	0.025793558	4.555976868	0.001062362	0.001062362	5.31181E-06	0.007215817	0.001351775	0.00998843	0.024820341	5.31181E-06	20.45499229	1.99964E-05	0.000300074	0.000325736
2037 Sep	59.79169846	0.047552615	0.012411327	0.001074349	13.24062824	0.029143294	4.671404362	0.001074349	0.001074349	5.37174E-06	0.007396824	0.001340366	0.010531636	0.024056021	5.37174E-06	20.09456253	1.90862E-05	0.000291064	0.000301178
2037 Oct	55.99725723	0.06843359	0.009760654	0.001033493	12.96177101	0.033978004	4.757057667	0.001033493	0.001033493	5.16746E-06	0.007652547	0.001243639	0.01074533	0.021415109	5.16746E-06	18.39808464	1.74409E-05	0.000256414	0.000239738
2037 Nov	55.56599808	0.072183967	0.009352035	0.001030424	12.96242809	0.034912664	4.788811207	0.001030424	0.001030424	5.15212E-06	0.007723396	0.001231973	0.010820444	0.021050744	5.15212E-06	18.18099403	1.72289E-05	0.000251544	0.000230316
2037 Dec	55.59355164	0.072320208	0.00934884	0.00103105	12.97121525	0.034958068	4.792791843	0.00103105	0.00103105	5.15525E-06	0.007730273	0.001232535	0.010829516	0.021056497	5.15525E-06	18.18823814	1.72356E-05	0.0002516	0.000230252
2038 Jan	55.63139725	0.072375894	0.009358818	0.001031071	12.98206234	0.034960531	4.796595097	0.001031071	0.001031071	5.15535E-06	0.007730443	0.001233188	0.01082899	0.021077005	5.15535E-06	18.20448112	1.72362E-05	0.00025177	0.0002306
2038 Feb	55.68483734	0.07241077	0.009376088	0.001031089	12.99624825	0.034953058	4.801242352	0.001031089	0.001031089	5.15544E-06	0.00772965	0.001234143	0.010827085	0.021107638	5.15544E-06	18.22796249	1.72384E-05	0.00025204	0.000231182
2038 Mar	55.72706604	0.072446793	0.00938771	0.001031341	13.00703716	0.034957189	4.804903507	0.001031341	0.001031341	5.1567E-06	0.007731032	0.001234953	0.010828588	0.021129305	5.1567E-06	18.24505234	1.72437E-05	0.000252246	0.000231548
2038 Apr	55.92676544	0.072695658	0.009423922	0.001034735	13.05418205	0.035069715	4.822134972	0.001034735	0.001034735	5.17367E-06	0.007756184	0.001239307	0.010863573	0.021208249	5.17367E-06	18.31229591	1.7301E-05	0.000253158	0.000232487
2038 May	62.37506104	0.073008418	0.011787985	0.001042152	14.59723568	0.032983281	5.292758465	0.001042152	0.001042152	5.21076E-06	0.007673614	0.001355061	0.010596577	0.024955163	5.21076E-06	21.12499237	1.81872E-05	0.00028954	0.000305752
2038 Jun	67.30400848	0.049738061	0.015808923	0.000987439	15.04927826	0.021482879	5.184865952	0.000987439	0.000987439	4.93719E-06	0.006937302	0.001426024	0.009086989	0.029021315	4.93719E-06	23.70728111	2.08107E-05	0.000340106	0.000415804
2038 Jul	66.20485687	0.045651324	0.01523657	0.00106701	14.43218136	0.023349375	4.980888367	0.00106701	0.00106701	5.33505E-06	0.007513226	0.001431544	0.009916838	0.027801966	5.33505E-06	22.80348778	2.23246E-05	0.000336182	0.000385334
2038 Aug	66.59500122	0.047077499	0.014769102	0.001119945	14.68096542	0.027495211	5.094138145	0.001119945	0.001119945	5.59973E-06	0.007658579	0.001464666	0.010765855	0.027556369	5.59973E-06	22.78913498	2.11432E-05	0.000332479	0.000366912
2038 Sep	63.44360733	0.057827871	0.012878311	0.001100303	14.32624817	0.031160144	5.075743675	0.001100303	0.001100303	5.50151E-06	0.007741359	0.001396673	0.011067317	0.02546273	5.50151E-06	21.40935326	1.95365E-05	0.000306793	0.000318651
2038 Oct	59.79932022	0.072029397	0.010711865	0.001067424	13.892766	0.034661699	5.064105988	0.001067424	0.001067424	5.33712E-06	0.007899169	0.001312591	0.011159553	0.023122938	5.33712E-06	19.82417679	1.82204E-05	0.000276678	0.000266716
2038 Nov	59.7244072	0.073309682	0.010586862	0.001068458	13.90582085	0.035032127	5.079655647	0.001068458	0.001068458	5.34229E-06	0.007936395	0.001310645	0.011202509	0.023025366	5.34229E-06	19.77154541	1.81824E-05	0.000275355	0.000263752
2038 Dec	59.71799469	0.073444955	0.01057407	0.001068591	13.90750885	0.035071589	5.08139658	0.001068591	0.001068591	5.34296E-06	0.007940464	0.001310473	0.011207252	0.02301573	5.34296E-06	19.76652145	1.81789E-05	0.000275223	0.000263448
2039 Jan	59.7533989	0.073503017	0.010583327	0.001068553	13.91799355	0.035073567	5.08511591	0.001068553	0.001068553	5.34277E-06	0.007940277	0.001311072	0.01120606	0.023035381	5.34277E-06	19.78203011	1.81781E-05	0.000275376	0.000263795
2039 Feb	59.80781937	0.073538736	0.010601159	0.001068528	13.93257332	0.035064641	5.08989048	0.001068528	0.001068528	5.34264E-06	0.007939122	0.001312036	0.011203529	0.023067052	5.34264E-06	19.80621719	1.81796E-05	0.000275649	0.000264392

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Mar	59.88996887	0.073622733	0.010620187	0.001069452	13.95274925	0.035090525	5.096961021	0.001069452	0.001069452	5.34726E-06	0.007945457	0.001313712	0.011211976	0.023104563	5.34726E-06	19.83678627	1.81963E-05	0.00027604	0.000264949
2039 Apr	60.10694885	0.073879756	0.010661213	0.001073016	14.00389194	0.035204947	5.11547184	0.001073016	0.001073016	5.36508E-06	0.007971635	0.0013184	0.011248636	0.023191597	5.36508E-06	19.91057587	1.82576E-05	0.000277047	0.00026602
2039 May	61.35492325	0.075100586	0.01093402	0.001090675	14.29680729	0.03568805	5.218664169	0.001090675	0.001090675	5.45338E-06	0.008097109	0.0013447	0.011418377	0.023727387	5.45338E-06	20.35308647	1.85898E-05	0.000283065	0.000273456
2039 Jun	40.98280716	0.024976337	0.007827837	0.000991359	7.729685783	0.022968298	2.717476368	0.000991359	0.000991359	4.95679E-06	0.007372233	0.000957055	0.010015504	0.013984568	4.95679E-06	12.08039665	2.09472E-05	0.000215216	0.00014129
2039 Jul	34.495555588	0.010610324	0.006172066	0.000974208	6.504977703	0.026872583	2.403736353	0.000974208	0.000974208	4.87104E-06	0.00627277	0.000940561	0.008862126	0.012184309	4.87104E-06	10.14646339	1.52787E-05	0.000159535	0.000101928
2039 Aug	36.13401031	0.014102492	0.005660641	0.001020575	7.85558033	0.036810383	3.028190374	0.001020575	0.001020575	5.10288E-06	0.005533861	0.001076072	0.008956252	0.013838245	5.10288E-06	11.35100269	8.49742E-06	0.000135023	0.000103528
2039 Sep	39.02038574	0.027553722	0.005711064	0.001036442	8.781502724	0.038832944	3.38168931	0.001036442	0.001036442	5.18221E-06	0.005992596	0.001100086	0.009664218	0.014556985	5.18221E-06	12.25075054	9.23448E-06	0.000148507	0.000108388
2039 Oct	40.92529297	0.041911714	0.005568276	0.001026295	9.466334343	0.039735224	3.668193102	0.001026295	0.001026295	5.13148E-06	0.006396708	0.001097589	0.009965554	0.01495161	5.13148E-06	12.82546711	1.0181E-05	0.000156709	0.000111655
2039 Nov	41.13005829	0.042528532	0.005582946	0.001029529	9.521710396	0.039902948	3.69034481	0.001029529	0.001029529	5.14765E-06	0.006432203	0.001101322	0.010010081	0.01501653	5.14765E-06	12.88890553	1.02474E-05	0.000157523	0.000112151
2039 Dec	41.17013168	0.042660795	0.005585443	0.001030109	9.532775879	0.039934892	3.694787741	0.001030109	0.001030109	5.15054E-06	0.006439249	0.001102003	0.010018645	0.015028955	5.15054E-06	12.90130043	1.02609E-05	0.000157683	0.000112246
2040 Jan	41.20810699	0.042723995	0.005595623	0.001030087	9.543193817	0.039931282	3.698341846	0.001030087	0.001030087	5.15043E-06	0.006440157	0.00110255	0.010018523	0.015048388	5.15043E-06	12.91706181	1.02664E-05	0.000157878	0.000112601
2040 Feb	41.25481415	0.042763032	0.005610219	0.001030118	9.555407524	0.039924297	3.702340603	0.001030118	0.001030118	5.15059E-06	0.006440197	0.001103338	0.010017592	0.0150741	5.15059E-06	12.93706703	1.02711E-05	0.000158121	0.00011308
2040 Mar	41.32013702	0.042825669	0.005623568	0.001031134	9.571293831	0.039959252	3.708098888	0.001031134	0.001031134	5.15567E-06	0.006446468	0.001104836	0.010026807	0.015102652	5.15567E-06	12.96045399	1.02836E-05	0.000158407	0.000113449
2040 Apr	41.47595596	0.04298434	0.005647262	0.00103468	9.60781002	0.040094197	3.722024202	0.00103468	0.00103468	5.1734E-06	0.00646859	0.001108863	0.010060916	0.015162214	5.1734E-06	13.01094627	1.03203E-05	0.000159023	0.000113983
2040 May	47.14777756	0.04633534	0.007514438	0.001046389	10.96177292	0.038593233	4.145137787	0.001046389	0.001046389	5.23194E-06	0.006585879	0.001200761	0.010041927	0.018170113	5.23194E-06	15.35354614	1.16125E-05	0.000191722	0.000171571
2040 Jun	55.3801918	0.034505952	0.012571983	0.000969385	11.73468494	0.020963546	4.044970989	0.000969385	0.000969385	4.84693E-06	0.006830121	0.001219294	0.009088436	0.022659894	4.84693E-06	18.65664101	2.0289E-05	0.000283888	0.000304379
2040 Jul	50.73069763	0.0274811	0.011066454	0.001015546	10.28868484	0.022443755	3.565749884	0.001015546	0.001015546	5.07773E-06	0.007147486	0.001158675	0.00960053	0.019807391	5.07773E-06	16.42601013	2.08356E-05	0.000260955	0.000247307
2040 Aug	50.86537933	0.027909927	0.010668611	0.001055375	10.5059309	0.026160391	3.686260223	0.001055375	0.001055375	5.27688E-06	0.007140425	0.001196236	0.010018954	0.01979563	5.27688E-06	16.45855904	1.93079E-05	0.000253119	0.000235317
2040 Sep	50.54727554	0.035842575	0.009790975	0.001054484	10.86330032	0.030019891	3.850131273	0.001054484	0.001054484	5.27242E-06	0.00708451	0.001184911	0.010672521	0.019172773	5.27242E-06	16.28668785	1.7225E-05	0.000244977	0.000212383
2040 Oct	50.85154343	0.047143605	0.009138654	0.001051297	11.2225523	0.032331556	4.054854393	0.001051297	0.001051297	5.25649E-06	0.007322	0.001179341	0.010862455	0.018972095	5.25649E-06	16.30356216	1.69789E-05	0.000239539	0.000201364
2040 Nov	51.03359604	0.048525747	0.009093519	0.001054017	11.29489708	0.032680552	4.089243412	0.001054017	0.001054017	5.27009E-06	0.007369541	0.001182173	0.010915102	0.019005422	5.27009E-06	16.35304642	1.70014E-05	0.00023964	0.000200738
2040 Dec	51.05166626	0.048647616	0.009090021	0.0010543	11.30167007	0.032712247	4.092405319	0.0010543	0.0010543	5.2715E-06	0.007373989	0.001182471	0.010920152	0.019009164	5.2715E-06	16.35806847	1.70041E-05	0.00023966	0.000200693
2041 Jan	51.08834839	0.048714712	0.009098671	0.001054351	11.31232834	0.032717783	4.096246719	0.001054351	0.001054351	5.27175E-06	0.007374803	0.001183096	0.010920209	0.019028248	5.27175E-06	16.37342834	1.70056E-05	0.000239818	0.000201015
2041 Feb	51.13650513	0.048756216	0.0091132	0.001054427	11.32516003	0.03271503	4.100543499	0.001054427	0.001054427	5.27214E-06	0.007374828	0.001183961	0.010919394	0.019054908	5.27214E-06	16.39410019	1.70087E-05	0.000240055	0.000201498
2041 Mar	51.20131302	0.048815608	0.00912799	0.001055264	11.34069347	0.032738198	4.105977058	0.001055264	0.001055264	5.27632E-06	0.007380403	0.001185325	0.010927184	0.019083811	5.27632E-06	16.41773224	1.70231E-05	0.000240365	0.000201913
2041 Apr	51.34928131	0.048955314	0.00915622	0.001058029	11.37414074	0.032822371	4.117978573	0.001058029	0.001058029	5.29014E-06	0.007399581	0.001188672	0.010955312	0.019141672	5.29014E-06	16.46680641	1.70683E-05	0.000241063	0.000202588
2041 May	52.97745514	0.050078113	0.009618668	0.001069649	11.76815414	0.032900479	4.249484062	0.001069649	0.001069649	5.34825E-06	0.007472651	0.001219939	0.011026774	0.019962043	5.34825E-06	17.11152458	1.73868E-05	0.000249414	0.000216587
2041 Jun	40.17037582	0.021400927	0.007722611	0.000992949	7.499676704	0.023003401	2.625719547	0.000992949	0.000992949	4.96474E-06	0.00725254	0.000951075	0.010001073	0.013671147	4.96474E-06	11.79470062	2.05009E-05	0.000211296	0.000135871
2041 Jul	34.64895248	0.010569199	0.006506139	0.00096731	6.123926163	0.023001088	2.181073427	0.00096731	0.00096731	4.83655E-06	0.006728563	0.000887711	0.009262299	0.011564061	4.83655E-06	9.84375	1.85127E-05	0.000177401	0.0001007
2041 Aug	37.15433884	0.013038269	0.006741828	0.001028631	6.880053997	0.026811445	2.477729321	0.001028631	0.001028631	5.14315E-06	0.006911424	0.000967155	0.00989747	0.012620891	5.14315E-06	10.75026989	1.77598E-05	0.000182847	0.000106525
2041 Sep	39.2430687	0.021955715	0.006696951	0.001042107	7.711651802	0.02970781	2.799430609	0.001042107	0.001042107	5.21054E-06	0.007029732	0.001000217	0.010437151	0.013305084	5.21054E-06	11.52481079	1.68966E-05	0.000188324	0.000109237
2041 Oct	41.22709656	0.037672386	0.006388574	0.001032752	8.617103577	0.032311678	3.201367378	0.001032752	0.001032752	5.16376E-06	0.007271967	0.00101738	0.010627957	0.013957131	5.16376E-06	12.2639122	1.65336E-05	0.00018999	0.000112639
2041 Nov	41.66917038	0.039786339	0.00638134	0.001036564	8.769861221	0.032787155	3.266180992	0.001036564	0.001036564	5.18282E-06	0.007336696	0.001024379	0.010702483	0.014104379	5.18282E-06	12.41373158	1.65684E-05	0.000191108	0.000113598
2041 Dec	41.71236801	0.039944302	0.006382786	0.001037142	8.783073425	0.032829955	3.27164793	0.001037142	0.001037142	5.18571E-06	0.007343397	0.001025174	0.010710888	0.014118836	5.18571E-06	12.42785168	1.65759E-05	0.000191244	0.000113699
2042 Jan	41.7647438	0.040030014	0.006395341	0.001037288	8.797878265	0.032838374	3.276913643	0.001037288	0.001037288	5.18644E-06	0.007344857	0.001026087	0.010711899	0.014145571	5.18644E-06	12.44943905	1.65791E-05	0.000191477	0.000114145
2042 Feb	41.81953812	0.040077228	0.006412255	0.001037309	8.812651634	0.032832988	3.281828165	0.001037309	0.001037309	5.18654E-06	0.007344392	0.001027047	0.010710337	0.014176412	5.18654E-06	12.47330666	1.65815E-05	0.000191749	0.000114713
2042 Mar	41.87346649	0.040126022	0.006425168	0.001037916	8.8257761	0.032848909	3.286396027	0.001037916	0.001037916	5.18958E-06	0.007348358	0.001028161	0.010715637	0.014201386	5.18958E-06	12.49349785	1.65924E-05	0.000192007	0.000115089
2042 Apr	42.15502548	0.04039418	0.006471026	0.001044478	8.886127472	0.033054695	3.308685541	0.001044478	0.001044478	5.22239E-06	0.007394623	0.001034955	0.010782827	0.014300701	5.22239E-06	12.5798521	1.66979E-05	0.000193304	0.000115993
2042 May	45.97565842	0.043025006	0.007593123	0.001065475	9.826998711	0.033021808	3.619890928	0.001065475	0.001065475	5.32737E-06	0.007519001	0.001106202	0.010887325	0.016275736	5.32737E-06	14.12612057	1.73487E-05	0.000213066	0.000150622
2042 Jun	40.28348923	0.02282466	0.007601739	0.001000444	7.586318016	0.02389681	2.679772377	0.001000444	0.001000444	5.00222E-06	0.00728704	0.000960675	0.01002714	0.013724321	5.00222E-06	11.83469582	2.0267E-05	0.000208871	0.000134017
2042 Jul	35.74531937	0.011998519	0.006548731	0.000992471	6.576313019	0.025572784	2.386009455	0.000992471	0.000992471	4.96236E-06	0.006671715	0.000938826	0.009305703	0.0123009	4.96236E-06	10.37026978	1.73298E-05	0.000174287	0.00010612
2042 Aug	39.03374481	0.026844691	0.006056588	0.000983398	8.656666756	0.034892082	3.134251595	0.000983398	0.000983398	4.91699E-06	0.005932564	0.001002969	0.010718069	0.013538734	4.91699E-06	12.01989937	1.02298E-05	0.000174206	0.000101292
2042 Sep	42.26630783	0.043930445	0.005892949	0.000985671	10.00321579	0.038908806	3.645313263	0.000985671	0.000985671	4.92835E-06	0.006141121	0.001032624	0.011615009	0.014424419	4.92835E-06	13.19017601	9.06291E-06	0.000184838	0.000103866
2042 Oct	44.05819321	0.060479555	0.005618223	0.000980185	10.65244675	0.040058274	3.981435299	0.000980185	0.000980185	4.90093E-06	0.006668026	0.001042294	0.011517276	0.01497847	4.90093E-06	13.73927593	1.04476E-05	0.000186894	0.000109375
2042 Nov	44.33662415	0.061381042	0.005635182	0.000984708	10.72772694	0.040293746	4.013016224	0.000984708	0.000984708	4.92354E-06	0.006719589	0.001047675	0.011569194	0.015071097	4.92354E-06	13.82574654	1.0549E-05	0.00018787	0.000110106
2042 Dec	44.36691666	0.061485276	0.005636807	0.000985181	10.73601151	0.040319152	4.016528606	0.000985181	0.000985181	4.9259E-06	0.006725311	0.001048247	0.011574596	0.01508115	4.9259E-06	13.83514977	1.05605E-05	0.000187974	0.000110185
2043 Jan	44.40391922	0.061535232	0.005647045	0.000985248	10.745821	0.040317457	4.019965649	0.000985248	0.000985248	4.92624E-06	0.006726329	0.001048883	0.01157383	0.015100964	4.92624E-06	13.85058022	1.05663E-05	0.00018815	0.000110541
2043 Feb	44.44757462	0.061565414	0.005661104	0.000985289	10.75710392	0.040310282	4.023684025	0.000985289	0.000985289	4.92644E-06	0.006726214	0.001049658	0.011572259	0.01512571	4.92644E-06	13.86948013	1.05706E-05	0.000188373	0.000111005
2043 Mar	44.48297501	0.061597914	0.005670254	0.000985567	10.76606274	0.040316854	4.026761055	0.000985567	0.000985567	4.92784E-06	0.006727901	0.001050355	0.011574413	0.015143158	4.92784E-06	13.88341045	1.05757E-05	0.000188543	0.000111287
2043 Apr	44.76672363	0.061981373	0.00570908	0.000991564	10.83496189	0.040559411	4.052373886	0.000991564	0.000991564	4.95782E-06	0.006768716	0.001056975	0.011644199	0.015242843	4.95782E-06	13.97361755	1.06413E-05	0.000189758	0.000112108
2043 May	49.51859665	0.063954033	0.007250092	0.001014476	11.93951416	0.039763905	4.408411026	0.001014476	0.001014476	5.07238E-06	0.00691255	0.001144974	0.011640232	0.017790956	5.07238E-06	15.91647816	1.1759E-05	0.00021559	0.000159226
2043 Jun	57.10887909	0.038924739	0.01279605	0.000979743	12.28544617	0.022112325	4.239953995	0.000979743	0.000979743	4.89871E-06	0.006924432	0.001245624	0.00940828	0.023322003	4.89871E-06	19.30327034	2.01439E-05	0.000291536	0.000312125
2043 Jul	51.0896225	0.029147413	0.010799794	0.001035264	10.64653492	0.025683487	3.746967316	0.001035264	0.001035264	5.17632E-06	0.007002918	0.001198301	0.009677043	0.020166354	5.17632E-06	16.68642235	1.89832E-05	0.000252387	0.000244282
2043 Aug	51.19223785	0.032366507	0.010103134	0.001070864	11.02943611	0.030700987	3.907676697	0.001070864	0.001070864	5.35432E-06	0.006947793	0.00122107	0.010596928	0.019778211	5.35432E-06	16.65231705	1.65663E-05	0.000245326	0.000221388
2043 Sep	50.29150391	0.040245093	0.009072271	0.001059082	11.26243591	0.034306142	4.021250248	0.001059082	0.001059082	5.29541E-06	0.006837943	0.00119221	0.011244779	0.018831734	5.29541E-06	16.25704575	1.43254E-05	0.000235258	0.000193694
2043 Oct	50.37015533	0.060998872	0.007868932	0.001038871	11.73095989	0.037293591	4.332502365	0.001038871	0.001038871	5.19436E-06	0.007297787	0.001164922	0.011328464	0.018304458	5.19436E-06	16.10564613	1.44777E-05	0.000224374	0.000174719
2043 Nov	50.35190964	0.077015877	0.006922279	0.001021543	12.07624531	0.039554294	4.567334175	0.001021543	0.001021543	5.10772E-06	0.007643315	0.001141902	0.011375598	0.017866261	5.10772E-06	15.96274185	1.45732E-05	0.000215571	0.000159712
2043 Dec	50.37657166	0.077173047	0.006918641	0.001021917	12.08476353	0.039590608	4.571331501	0.001021917	0.001021917	5.10959E-06	0.007649652	0.001142293	0.011381552	0.017871799	5.10959E-06	15.96953869	1.45811E-05	0.000215611	0.000159679
2044 Jan	50.43479156	0.077241734	0.006935066	0.001022015	12.10048485	0.039589684	4.576740265	0.001022015	0.001022015	5.11008E-06	0.007650413	0.001143314	0.01138078	0.017903293	5.11008E-06	15.994174	1.45863E-05	0.000215889	0.000160241
2044 Feb	50.53183746	0.077320822	0.006962396	0.001022542	12.12526989	0.039596062	4.58510828	0.001022542	0.001022542	5.11271E-06	0.00765317	0.001145163	0.011383474	0.017953705	5.11271E-06	16.03376579	1.45981E-05	0.000216367	0.000161105
2044 Mar	50.62545776	0.077426463	0.006982861	0.001023658	12.14854622	0.039631668	4.593366146	0.001023658	0.001023658	5.11829E-06	0.007660876	0.001147095	0.011394177	0.017995603	5.11829E-06	16.06824112	1.46164E-05	0.000216801	0.000161704
2044 Apr	50.78466034	0.077649005	0.007009027	0.001026443	12.18719959	0.039735284	4.607678413	0.001026443	0.001026443	5.13222E-06	0.007681367	0.001150596	0.011424228	0.018056996	5.13222E-06	16.12142372	1.46574E-05	0.000217502	0.00016238
2044 May	52.20734406	0.079062156	0.007320581	0.00104604	12.52473164	0.040286411	4.726658344	0.00104604	0.00104604	5.2302E-06	0.007818996	0.001180526	0.011612504	0.01867304	5.2302E-06	16.62970543	1.50145E-05	0.000224313	0.000170975
2044 Jun	40.47792816	0.024021864	0.007856412	0.000963854	7.67665863	0.022163894	2.690337896	0.000963854	0.000963854	4.81927E-06	0.007129984	0.000942999	0.009701076	0.013991782	4.81927E-06	12.03835773	2.03284E-05	0.000212637	0.00014503
2044 Jul	39.12078857	0.016662473	0.007571568	0.001020624	6.958303928	0.022452373	2.42656374	0.001020624	0.001020624	5.10312E-06	0.007478971	0.000941481	0.010142595	0.012982615	5.10312E-06	11.19080067	2.16759E-05	0.000209313	0.000124157
2044 Aug	42.20833588	0.019689795	0.007952412	0.001093106	7.767892838	0.02597212	2.724062204	0.001093106	0.001093106	5.46553E-06	0.007833034	0.001022986	0.011022527	0.014092144	5.46553E-06	12.2059536	2.16937E-05	0.000220974	0.000130946
2044 Sep	43.95487213	0.043232426	0.006847149	0.001038977	9.466298103	0.033398733	3.436571598	0.001038977	0.001038977	5.19489E-06	0.007348663	0.001036286	0.01152463	0.014715343	5.19489E-06	13.23117542	1.62261E-05	0.000209125	0.000121706
2044 Oct	45.5912056	0.061983358	0.006287872	0.001020551	10.3691082	0.036345504	3.880117178	0.001020551	0.001020551	5.10276E-06	0.00761123	0.001048906	0.011473795	0.015290448	5.10276E-06	13.86797905	1.57684E-05	0.000205064	0.000123088
2044 Nov	46.05555725	0.065680675	0.006206286	0.001020732	10.57316685	0.037020367	3.976088047	0.001020732	0.001020732	5.10366E-06	0.007686784	0.001054947	0.011504825	0.015451065	5.10366E-06	14.0350256	1.5739E-05	0.000205034	0.000123779
2044 Dec	46.08213425	0.065790914	0.006206432	0.00102108	10.58159065	0.037048917	3.979714632	0.00102108	0.00102108	5.1054E-06	0.007691173	0.001055446	0.011509439	0.015460096	5.1054E-06	14.0437336	1.57436E-05	0.000205102	0.000123837
2045 Jan	46.12282181	0.065843761	0.006218033	0.001021061	10.59305096	0.037047438	3.983696938	0.001021061	0.001021061	5.10531E-06	0.007691012	0.001056149	0.0115078	0.015482996	5.10531E-06	14.0615139	1.57449E-05	0.000205288	0.000124252
2045 Feb	46.17402267	0.065876521	0.00623481	0.001021059	10.60661411	0.037038919	3.98814249	0.001021059	0.001021059	5.1053E-06	0.007690149	0.001057061	0.011505509	0.015512668	5.1053E-06	14.08413792	1.57472E-05	0.000205546	0.00012481
2045 Mar	46.23730469	0.065944821	0.006248735	0.00102184	10.6221323	0.03706263	3.993621111	0.00102184	0.00102184	5.1092E-06	0.007695566	0.001058368	0.011513068	0.015540727	5.1092E-06	14.10725975	1.57605E-05	0.000205845	0.00012521
2045 Apr	46.38097763	0.066137195	0.006271221	0.001024662	10.65569973	0.03716236	4.006037712	0.001024662	0.001024662	5.12331E-06	0.007716556	0.001061576	0.011544161	0.015592895	5.12331E-06	14.15327549	1.58048E-05	0.000206494	0.00012573
2045 May	47.22694016	0.067337275	0.006386992	0.001043199	10.85025883	0.037833247	4.079090118	0.001043199	0.001043199	5.216E-06	0.007856042	0.001080904	0.01175268	0.015878994	5.216E-06	14.41236305	1.60912E-05	0.000210265	0.000128081
2045 Jun	38.78150177	0.028846394	0.006644024	0.000992603	7.385334969	0.02549397	2.647784472	0.000992603	0.000992603	4.96301E-06	0.007422881	0.00091797	0.010365113	0.012512256	4.96301E-06	11.08821106	1.98796E-05	0.000199063	0.000107166
2045 Jul	37.2562027	0.014781101	0.006949316	0.001024654	6.504404545	0.023295183	2.28838706	0.001024654	0.001024654	5.12327E-06	0.007444529	0.000918406	0.010177635	0.01201377	5.12327E-06	10.41710663	2.11526E-05	0.000197666	0.000104422
2045 Aug	39.53596497	0.018145034	0.007117338	0.001069116	7.273427486	0.026832938	2.575932026	0.001069116	0.001069116	5.34558E-06	0.00753327	0.000981594	0.010832537	0.012916873	5.34558E-06	11.26855183	2.00715E-05	0.000203342	0.000108709
2045 Sep	41.53847504	0.031413738	0.006801188	0.001058075	8.370014191	0.030848468	3.019218922	0.001058075	0.001058075	5.29038E-06	0.007445225	0.001009236	0.011253025	0.013668603	5.29038E-06	12.15620041	1.78403E-05	0.000203415	0.000110301
2045 Oct	42.54683304	0.037386879	0.006729035	0.00106252	8.764160156	0.032095674	3.193183184	0.00106252	0.00106252	5.3126E-06	0.007579722	0.00102449	0.011371857	0.014028027	5.3126E-06	12.51839828	1.77839E-05	0.000204817	0.000112581
2045 Nov	42.69282913	0.037657037	0.006745666	0.001065587	8.799432755	0.032219376	3.206881285	0.001065587	0.001065587	5.32794E-06	0.007604472	0.001027753	0.011406678	0.014076916	5.32794E-06	12.56318188	1.78316E-05	0.000205423	0.000112956
2045 Dec	42.73001099	0.03776703	0.006748025	0.001066201	8.809925079	0.032254823	3.211165428	0.001066201	0.001066201	5.331E-06	0.00761041	0.001028512	0.011414325	0.014089583	5.331E-06	12.57511711	1.78399E-05	0.00020555	0.000113049
2046 Jan	42.76208878	0.037821643	0.006755665	0.001066273	8.819140434	0.032260276	3.214479208	0.001066273	0.001066273	5.33136E-06	0.007611157	0.001029077	0.011414553	0.01410627	5.33136E-06	12.58849812	1.78412E-05	0.000205688	0.000113328

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Feb	42.80066681	0.037855912	0.006766859	0.001066393	8.829322815	0.032260574	3.217917681	0.001066393	0.001066393	5.33196E-06	0.007611611	0.001029788	0.011414602	0.014127085	5.33196E-06	12.60473728	1.78443E-05	0.000205875	0.000113695
2046 Mar	42.87797546	0.037924372	0.006781865	0.001067859	8.846486092	0.032303125	3.224024057	0.001067859	0.001067859	5.3393E-06	0.00762186	0.001031529	0.011429626	0.014157017	5.3393E-06	12.63016987	1.78694E-05	0.000206248	0.000114045
2046 Apr	43.14493942	0.03816054	0.006825681	0.001074245	8.902258873	0.032495253	3.244265318	0.001074245	0.001074245	5.37122E-06	0.007667312	0.001037884	0.011497588	0.014247684	5.37122E-06	12.71033001	1.79766E-05	0.000207533	0.000114838
2046 May	45.12798691	0.039651278	0.007351889	0.001092669	9.377887726	0.032797135	3.405498743	0.001092669	0.001092669	5.46334E-06	0.007787263	0.001077307	0.011638582	0.015205499	5.46334E-06	13.47223759	1.83974E-05	0.000217501	0.000130361
2046 Jun	39.44947052	0.019988922	0.00757184	0.00099189	7.263193607	0.022667676	2.534413576	0.00099189	0.00099189	4.95945E-06	0.007263558	0.000935485	0.010033564	0.013249191	4.95945E-06	11.46903324	2.06615E-05	0.000209307	0.000129275
2046 Jul	35.0449295	0.010425962	0.006595953	0.000981616	6.149332047	0.023073396	2.184508085	0.000981616	0.000981616	4.90808E-06	0.006858286	0.000895643	0.009425758	0.01162931	4.90808E-06	9.914834976	1.9006E-05	0.000180633	0.000100982
2046 Aug	37.55944824	0.014945603	0.0067173	0.001026215	7.073665619	0.027376315	2.532800913	0.001026215	0.001026215	5.13107E-06	0.006893496	0.000965423	0.010156437	0.012644192	5.13107E-06	10.8909626	1.73809E-05	0.000185674	0.000105072
2046 Sep	41.08247375	0.039520029	0.006169755	0.001001926	8.936439514	0.033648584	3.280984402	0.001001926	0.001001926	5.00963E-06	0.006857193	0.001000272	0.010931045	0.013816831	5.00963E-06	12.37505436	1.41949E-05	0.000188692	0.000107254
2046 Oct	43.8735466	0.06296996	0.005713495	0.000989455	10.1625433	0.036971029	3.851448059	0.000989455	0.000989455	4.94728E-06	0.00731454	0.001024412	0.011037486	0.014762285	4.94728E-06	13.38400841	1.4291E-05	0.000190168	0.000113441
2046 Nov	44.36532974	0.066190608	0.005671518	0.000990792	10.35142136	0.037510965	3.936711788	0.000990792	0.000990792	4.95396E-06	0.007395498	0.001030588	0.01108416	0.014928577	4.95396E-06	13.55440521	1.43461E-05	0.000190926	0.000114579
2046 Dec	44.40592957	0.066316284	0.005673963	0.000991446	10.36283398	0.037548538	3.941403627	0.000991446	0.000991446	4.95723E-06	0.007402239	0.001031394	0.011092308	0.01494226	4.95723E-06	13.56733704	1.43565E-05	0.000191065	0.00011468
2047 Jan	44.45107651	0.066372886	0.005686371	0.000991531	10.3751421	0.037549376	3.945668697	0.000991531	0.000991531	4.95766E-06	0.007402916	0.001032188	0.011091925	0.014966502	4.95766E-06	13.58638	1.43601E-05	0.000191277	0.000115108
2047 Feb	44.50939178	0.066415347	0.005704077	0.0009917	10.39025688	0.037546616	3.9506917	0.0009917	0.0009917	4.9585E-06	0.007403371	0.001033262	0.011091616	0.014998374	4.9585E-06	13.611063	1.43654E-05	0.000191569	0.000115681
2047 Mar	44.64507675	0.066593446	0.005727062	0.000994104	10.42275143	0.037632655	3.962651253	0.000994104	0.000994104	4.97052E-06	0.007420884	0.001036259	0.011117311	0.015050778	4.97052E-06	13.65630341	1.44017E-05	0.000192175	0.000116265
2047 Apr	44.79689407	0.066805996	0.00574973	0.000997132	10.45866299	0.037744422	3.976078749	0.000997132	0.000997132	4.98566E-06	0.007443235	0.001039695	0.011150487	0.015105772	4.98566E-06	13.70487785	1.44665E-05	0.000192841	0.000116792
2047 May	51.30072403	0.067723393	0.00809418	0.001006759	12.00683689	0.035703503	4.454261303	0.001006759	0.001006759	5.03379E-06	0.007408674	0.001156189	0.010889914	0.01885041	5.03379E-06	16.51681328	1.54969E-05	0.000229287	0.000189738
2047 Jun	63.89130783	0.046543408	0.014792804	0.000981337	14.14399433	0.021668904	4.878211975	0.000981337	0.000981337	4.90668E-06	0.006915806	0.001364577	0.009154983	0.027136626	4.90668E-06	22.24979782	2.05236E-05	0.000323521	0.000381713
2047 Jul	60.4487381	0.03977108	0.013595948	0.001049803	12.92767239	0.02344593	4.473730564	0.001049803	0.001049803	5.24902E-06	0.00739116	0.001330417	0.009868508	0.024775231	5.24902E-06	20.41756439	2.16234E-05	0.000307375	0.000331651
2047 Aug	61.13594437	0.041863535	0.013242824	0.001095535	13.26584339	0.027241547	4.610701084	0.001095535	0.001095535	5.47767E-06	0.007513223	0.001362746	0.010685549	0.024689896	5.47767E-06	20.5436306	2.04841E-05	0.000306045	0.000317287
2047 Sep	56.00904465	0.053185791	0.010494053	0.001054439	12.74028587	0.033009905	4.534908295	0.001054439	0.001054439	5.2722E-06	0.007245939	0.001257212	0.011270192	0.021494756	5.2722E-06	18.47556496	1.64487E-05	0.00026702	0.00024403
2047 Oct	53.93891525	0.069466792	0.008802959	0.0010264	12.66310692	0.036036819	4.653607845	0.0010264	0.0010264	5.132E-06	0.007517499	0.001200314	0.011244706	0.020015035	5.132E-06	17.5218792	1.58404E-05	0.000244741	0.00020862
2047 Nov	53.63124466	0.073342673	0.008447622	0.001023106	12.68305588	0.036825608	4.694097996	0.001023106	0.001023106	5.11553E-06	0.007600903	0.001191025	0.011272127	0.019740429	5.11553E-06	17.35852814	1.57499E-05	0.000240439	0.000201251
2047 Dec	53.65882492	0.073461831	0.008446149	0.001023681	12.69133472	0.036863502	4.697789669	0.001023681	0.001023681	5.1184E-06	0.007607219	0.001191591	0.011279669	0.019747522	5.1184E-06	17.36624527	1.5758E-05	0.000240507	0.000201237
2048 Jan	53.70662308	0.073527083	0.008458032	0.001023907	12.70423508	0.036871079	4.702358246	0.001023907	0.001023907	5.11954E-06	0.007608983	0.001192475	0.011280925	0.019771863	5.11954E-06	17.38564491	1.57631E-05	0.000240724	0.00020164
2048 Feb	53.77848816	0.073587321	0.008478028	0.001024316	12.72260284	0.036877003	4.708580971	0.001024316	0.001024316	5.12158E-06	0.007611179	0.00119385	0.011283166	0.019808987	5.12158E-06	17.41485405	1.57719E-05	0.000241076	0.000202272
2048 Mar	53.80929184	0.073608868	0.008487571	0.001024384	12.73062992	0.036874682	4.711240768	0.001024384	0.001024384	5.12192E-06	0.007611227	0.001194415	0.011282687	0.019826097	5.12192E-06	17.42804146	1.57743E-05	0.00024123	0.000202583
2048 Apr	54.15738297	0.074011438	0.008559219	0.001029156	12.81562328	0.037029464	4.741584301	0.001029156	0.001029156	5.14578E-06	0.007645059	0.001201716	0.011330877	0.019974934	5.14578E-06	17.55225563	1.58527E-05	0.000242847	0.000204592
2048 May	55.31882095	0.075558372	0.008751568	0.001050276	13.09170818	0.037779711	4.84314537	0.001050276	0.001050276	5.25138E-06	0.007801102	0.001227269	0.011561075	0.020413937	5.25138E-06	17.93456268	1.61809E-05	0.000248087	0.000209342
2048 Jun	41.37138748	0.031784531	0.007424013	0.000986468	8.141303062	0.025331724	2.906019926	0.000986468	0.000986468	4.93234E-06	0.007338828	0.000962913	0.010213096	0.014037502	4.93234E-06	12.26561546	1.97032E-05	0.00021081	0.000135277
2048 Jul	35.90526962	0.01153221	0.006731759	0.001001373	6.31652689	0.023550946	2.244173288	0.001001373	0.001001373	5.00687E-06	0.007033513	0.000913153	0.009657304	0.011884083	5.00687E-06	10.15434647	1.95095E-05	0.000185339	0.000103212
2048 Aug	38.60342789	0.019497341	0.006600681	0.001025775	7.675866127	0.029979762	2.754596949	0.001025775	0.001025775	5.12888E-06	0.00672283	0.000986412	0.010530434	0.013054372	5.12888E-06	11.39146328	1.55453E-05	0.000185956	0.000104786
2048 Sep	41.3976326	0.037508637	0.006259149	0.001014715	9.046477318	0.034495316	3.303605556	0.001014715	0.001014715	5.07357E-06	0.006773437	0.001015875	0.011149178	0.013964387	5.07357E-06	12.51890278	1.35579E-05	0.000189902	0.0001072
2048 Oct	43.42808151	0.056408122	0.005864577	0.000999547	9.96359539	0.03681488	3.739676237	0.000999547	0.000999547	4.99773E-06	0.007142308	0.001028735	0.011153201	0.014641411	4.99773E-06	13.24961472	1.37774E-05	0.000190375	0.000111872
2048 Nov	44.32659912	0.0628886	0.005767405	0.001000002	10.31718636	0.037772056	3.902400255	0.001000002	0.001000002	5.00001E-06	0.007301496	0.001038505	0.011214893	0.014941879	5.00001E-06	13.56008911	1.39237E-05	0.00019156	0.000114004
2048 Dec	44.36390305	0.063025072	0.005768824	0.001000526	10.3281889	0.037806924	3.907026768	0.001000526	0.001000526	5.00263E-06	0.007307821	0.001039198	0.011221675	0.014954416	5.00263E-06	13.57207489	1.39333E-05	0.000191677	0.000114097
2049 Jan	44.41685486	0.063094959	0.005783206	0.001000624	10.34263229	0.037807949	3.912058115	0.001000624	0.001000624	5.00312E-06	0.007308771	0.001040124	0.011221189	0.014982733	5.00312E-06	13.59433842	1.39381E-05	0.000191925	0.000114596
2049 Feb	44.479599	0.063138358	0.005803114	0.001000699	10.35904026	0.037800211	3.917464972	0.001000699	0.001000699	5.0035E-06	0.007308486	0.00104125	0.011219467	0.015018096	5.0035E-06	13.6214962	1.39427E-05	0.000192242	0.000115251
2049 Mar	44.55277634	0.063217334	0.005819052	0.001001617	10.37706375	0.037829109	3.923845053	0.001001617	0.001001617	5.00808E-06	0.007314733	0.001042776	0.011228356	0.015050535	5.00808E-06	13.64823723	1.39575E-05	0.000192583	0.000115708
2049 Apr	44.78373718	0.063530833	0.005852868	0.001006393	10.43141651	0.038006205	3.944148779	0.001006393	0.001006393	5.03197E-06	0.007349053	0.001048075	0.011281099	0.01513297	5.03197E-06	13.72146225	1.40252E-05	0.000193596	0.000116461
2049 May	46.4911232	0.064871579	0.006279052	0.001025861	10.83422756	0.038414095	4.082135201	0.001025861	0.001025861	5.1293E-06	0.007479908	0.001082983	0.011448387	0.015921591	5.1293E-06	14.35666561	1.44312E-05	0.000202103	0.000128592
2049 Jun	38.03935623	0.022416659	0.006995494	0.000970022	7.05213805	0.023087477	2.488728285	0.000970022	0.000970022	4.85011E-06	0.007173886	0.000903397	0.009906837	0.01253851	4.85011E-06	10.94776535	2.00123E-05	0.000199581	0.000116019
2049 Jul	35.54295731	0.011714648	0.006631976	0.00099008	6.293658257	0.023590071	2.241930008	0.00099008	0.00099008	4.9504E-06	0.006925622	0.000906438	0.00953578	0.011804821	4.9504E-06	10.07982826	1.90547E-05	0.000182295	0.000102219
2049 Aug	38.31655884	0.014447394	0.006926915	0.001056329	7.090017319	0.027382927	2.546872377	0.001056329	0.001056329	5.28164E-06	0.007168577	0.000988426	0.0102693	0.012910551	5.28164E-06	11.05052948	1.85395E-05	0.000190075	0.000108651
2049 Sep	41.55110168	0.038461443	0.006392686	0.001032889	8.768233299	0.032834228	3.239547491	0.001032889	0.001032889	5.16445E-06	0.007234306	0.001018207	0.010860272	0.013988263	5.16445E-06	12.38355637	1.61234E-05	0.000192352	0.000111492
2049 Oct	43.92689514	0.060072042	0.005907311	0.001011652	9.930594444	0.036091328	3.769293308	0.001011652	0.001011652	5.05826E-06	0.007530844	0.001034243	0.010974954	0.014789164	5.05826E-06	13.29293537	1.56103E-05	0.000192497	0.000115765
2049 Nov	44.43100739	0.063447259	0.005857372	0.001012152	10.13601971	0.036696423	3.860218525	0.001012152	0.001012152	5.06076E-06	0.007601067	0.001040275	0.011030854	0.014959038	5.06076E-06	13.4733429	1.55909E-05	0.000193204	0.000116803
2049 Dec	44.47198486	0.063581564	0.005859452	0.001012772	10.14794922	0.036735654	3.865123987	0.001012772	0.001012772	5.06386E-06	0.00760762	0.00104107	0.011039051	0.014972839	5.06386E-06	13.48655605	1.55997E-05	0.00019334	0.000116902
2050 Jan	44.52429199	0.063650601	0.005873071	0.001012936	10.16225052	0.036740761	3.87011385	0.001012936	0.001012936	5.06468E-06	0.007608853	0.001042007	0.011039724	0.015000098	5.06468E-06	13.50823212	1.56038E-05	0.000193582	0.000117368
2050 Feb	44.58179092	0.063690096	0.005891298	0.001012998	10.17738724	0.036734115	3.875092268	0.001012998	0.001012998	5.06499E-06	0.007608437	0.001043038	0.011038213	0.015032537	5.06499E-06	13.53318882	1.56073E-05	0.000193872	0.000117967
2050 Mar	44.6194191	0.063720614	0.005902064	0.001013175	10.18707466	0.03673568	3.878353119	0.001013175	0.001013175	5.06588E-06	0.007609284	0.001043748	0.011038948	0.015052341	5.06588E-06	13.54870224	1.56114E-05	0.000194057	0.000118311
2050 Apr	44.79368591	0.063956231	0.00592842	0.001016745	10.22748756	0.03686237	3.893495083	0.001016745	0.001016745	5.08373E-06	0.007635825	0.001047727	0.011077169	0.015115188	5.08373E-06	13.60395145	1.56672E-05	0.000194828	0.000118912
2050 May	46.05410385	0.065063529	0.006221772	0.001033169	10.52337456	0.037268832	3.996450901	0.001033169	0.001033169	5.16585E-06	0.007749417	0.00107403	0.011227593	0.015674783	5.16585E-06	14.06041145	1.59881E-05	0.000200993	0.000127061
2050 Jun	42.71928787	0.028127793	0.008294134	0.000977705	8.341856956	0.023219941	2.939257145	0.000977705	0.000977705	4.88853E-06	0.007213116	0.000988313	0.009810162	0.015112358	4.88853E-06	12.94924927	2.02632E-05	0.000220855	0.000161443
2050 Jul	35.7781105	0.012829278	0.006640487	0.000975133	6.586743832	0.024632487	2.376467705	0.000975133	0.000975133	4.87567E-06	0.006634326	0.000925718	0.009199162	0.012330273	4.87567E-06	10.41165066	1.75326E-05	0.000176641	0.000109808
2050 Aug	37.27176285	0.013992543	0.00665051	0.001021	7.180533409	0.028591091	2.636181593	0.001021	0.001021	5.105E-06	0.006601493	0.000996664	0.00950601	0.01317992	5.105E-06	11.06285858	1.5896E-05	0.000173455	0.000112582
2050 Sep	40.15821075	0.031713333	0.006356819	0.001016759	8.485305786	0.032723952	3.149181128	0.001016759	0.001016759	5.0838E-06	0.006768937	0.001022239	0.010261149	0.013982133	5.0838E-06	12.13711548	1.45122E-05	0.000180474	0.000113672
2050 Oct	41.43903732	0.038589738	0.00630877	0.00102535	8.935303688	0.034042031	3.341813087	0.00102535	0.00102535	5.12675E-06	0.006975892	0.001039378	0.010474476	0.014380539	5.12675E-06	12.56175613	1.46939E-05	0.000183828	0.000116112
2050 Nov	41.65279007	0.03893536	0.006335045	0.001030043	8.98587513	0.03422448	3.361354828	0.001030043	0.001030043	5.15022E-06	0.007011652	0.001044353	0.010525658	0.014453528	5.15022E-06	12.62749004	1.47627E-05	0.000184716	0.000116681
2050 Dec	41.68810654	0.039044835	0.006337147	0.001030606	8.995832443	0.034257077	3.365406752	0.001030606	0.001030606	5.15303E-06	0.007017481	0.001045037	0.010533097	0.014465164	5.15303E-06	12.63868618	1.47715E-05	0.000184842	0.000116765
2051 Jan	41.72499847	0.039103504	0.006345744	0.001030779	9.00593853	0.03426427	3.369003773	0.001030779	0.001030779	5.1539E-06	0.007019112	0.001045692	0.010534621	0.014483304	5.1539E-06	12.65344048	1.47757E-05	0.00018501	0.00011706
2051 Feb	41.76450729	0.039138138	0.006357301	0.001030898	9.016300201	0.034263767	3.372480869	0.001030898	0.001030898	5.15449E-06	0.007019613	0.00104641	0.010534717	0.014504533	5.15449E-06	12.6700325	1.47793E-05	0.000185205	0.000117437
2051 Mar	41.80805969	0.039177649	0.006366954	0.001031505	9.026701927	0.034281537	3.376153708	0.001031505	0.001031505	5.15752E-06	0.007023583	0.001047353	0.010540318	0.014523755	5.15752E-06	12.68575668	1.4789E-05	0.000185409	0.000117704
2051 Apr	42.03314972	0.039387833	0.006402961	0.001036791	9.075871468	0.03445584	3.394420147	0.001036791	0.001036791	5.18396E-06	0.007059482	0.001052907	0.010593988	0.014604291	5.18396E-06	12.75549316	1.48654E-05	0.000186414	0.000118421
2051 May	45.74312973	0.041917324	0.007528045	0.001052812	9.988347054	0.034169395	3.69308424	0.001052812	0.001052812	5.26406E-06	0.007160254	0.001119762	0.010648234	0.016549021	5.26406E-06	14.27280903	1.55228E-05	0.000206023	0.000153424
2051 Jun	46.16170502	0.022782594	0.012417191	0.001003991	8.682400703	0.020118145	4.270429611	0.000947661	0.000947661	4.74163E-06	0.00691934	0.000992	0.010404287	0.015568599	4.74705E-06	13.4315424	2.08248E-05	0.000227262	0.000182294
2051 Jul	46.75981522	0.019030211	0.015902655	0.001120104	8.152701378	0.021979701	5.96034193	0.000982437	0.000982437	4.92032E-06	0.007119132	0.000954329	0.01237397	0.012998336	4.93353E-06	11.82508183	2.11717E-05	0.000203484	0.000132675
2051 Aug	52.22670746	0.029077046	0.019152356	0.001196243	9.997018814	0.029769842	8.101747513	0.000995236	0.000995236	4.98805E-06	0.006608422	0.001030545	0.014383602	0.013756897	5.00734E-06	13.05681419	1.6142E-05	0.000193449	0.000125983
2051 Sep	57.41721344	0.059015483	0.020451887	0.001207122	11.91721249	0.035218041	9.737117767	0.000970998	0.000970998	4.86896E-06	0.006952177	0.001057108	0.015519223	0.01460011	4.89167E-06	14.37289906	1.49256E-05	0.00019243	0.000125487
2051 Oct	61.86336899	0.097929008	0.02010229	0.001190406	13.81312561	0.040562324	10.92308998	0.000943198	0.000943198	4.73068E-06	0.007702866	0.001080494	0.015872052	0.015691869	4.75457E-06	15.730299	1.51425E-05	0.000190293	0.000128354
2051 Nov	64.02651215	0.101724774	0.021664806	0.001220569	14.24430275	0.041211359	11.6934576	0.000947038	0.000947038	4.75145E-06	0.007801628	0.001093395	0.016482886	0.015853232	4.77788E-06	16.04038429	1.53586E-05	0.000191489	0.000129927
2051 Dec	64.56632996	0.102106176	0.022159502	0.00122906	14.33084774	0.041263722	11.90997314	0.000947377	0.000947377	4.75363E-06	0.007808509	0.001095583	0.016654322	0.015862614	4.78085E-06	16.09393692	1.54032E-05	0.000191637	0.000130207
2052 Jan	64.62663269	0.10214705	0.022187809	0.001229376	14.34498978	0.041260365	11.9200573	0.000947459	0.000947459	4.75405E-06	0.007808587	0.001096456	0.016658265	0.015887974	4.7813E-06	16.1147728	1.54079E-05	0.000191868	0.000130677
2052 Feb	64.69562531	0.102192998	0.022208275	0.001229663	14.36258984	0.041259706	11.92582989	0.00094775	0.00094775	4.75551E-06	0.007809666	0.00109776	0.016658898	0.015925081	4.78275E-06	16.14359283	1.54152E-05	0.000192215	0.000131333
2052 Mar	64.80966949	0.102338985	0.022245681	0.001231276	14.3891468	0.041308235	11.94308758	0.000949031	0.000949031	4.76193E-06	0.007819504	0.001099768	0.016678978	0.015964067	4.78921E-06	16.178339	1.54374E-05	0.000192631	0.000131845
2052 Apr	65.01166534	0.102638938	0.022314044	0.001234805	14.4346838	0.041423511	11.97821617	0.000951772	0.000951772	4.77568E-06	0.007841688	0.001103236	0.016725795	0.016019894	4.80304E-06	16.23226547	1.54828E-05	0.000193274	0.000132412
2052 May	71.83101654	0.098040238	0.024298593	0.001227339	16.04678726	0.03779009	11.95247269	0.000965443	0.000965443	4.8428E-06	0.007677658	0.00124952	0.015898898	0.020864468	4.86814E-06	19.6870575	1.67703E-05	0.000241823	0.000229258
2052 Jun	66.96670532	0.051755782	0.021891342	0.001127359	13.93382359	0.023719093	8.529815674	0.000969006	0.000969006	4.85454E-06	0.00710971	0.001266145	0.012649952	0.023066839	4.87E-06	20.05806541	2.08378E-05	0.000287093	0.000308344
2052 Jul	61.00309372	0.038280394	0.021939129	0.001202112	12.22788429	0.028618053	9.153644562	0.000998008	0.000998008	5.00241E-06	0.006633983	0.001206358	0.013354602	0.019063454	5.02251E-06	16.85985565	1.72369E-05	0.000224979	0.000225461
2052 Aug	64.05709076	0.041066475	0.024797922	0.00128238	12.87577057	0.03266098	10.83937836	0.001018942	0.001018942	5.11078E-06	0.00650401	0.001226213	0.015188153	0.018439472	5.1369E-06	16.866539	1.52701E-05	0.000214182	0.000204159
2052 Sep	70.3225174	0.059846506	0.029426267	0.001359652	14.27693462	0.03641643	13.68607426	0.001002134	0.001002134	5.03266E-06	0.006733784	0.001213913	0.017914549	0.017686546	5.06842E-06	17.26293945	1.46539E-05	0.000209636	0.000182206
2052 Oct	79.54598236	0.075969867	0.036862534	0.001484	15.89578438	0.038411885	17.52609444	0.000995068	0.000995068	5.00561E-06	0.007074254	0.001233071	0.020932822	0.017557845	5.05483E-06	18.1051693	1.56039E-05	0.000208652	0.000178101
2052 Nov	82.0216217	0.077704787	0.038980365	0.001521768	16.28093338	0.038695149	18.50694275	0.00099807	0.00099807	5.0228E-06	0.007116231	0.001244407	0.02172194	0.017620791	5.07557E-06	18.36549377	1.58262E-05	0.000209598	0.000179505
2052 Dec	83.23841095	0.078494415	0.040072061	0.001539906	16.46361542	0.03878333	19.01159668	0.000998124	0.000998124	5.02421E-06	0.007126917	0.001248622	0.022116939	0.017627303	5.07882E-06	18.4778614	1.59212E-05	0.000209784	0.000180005

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Jan	83.58818817	0.07872951	0.040367864	0.001544702	16.51945686	0.038803648	19.14707565	0.000998168	0.000998168	5.02473E-06	0.00712981	0.001250243	0.022220314	0.017645299	5.07983E-06	18.52009392	1.59488E-05	0.000209981	0.000180435
2053 Feb	83.72598267	0.078829065	0.040454406	0.001546329	16.54605484	0.038818568	19.18494797	0.00099862	0.00099862	5.02706E-06	0.007133069	0.001251676	0.022249237	0.017674996	5.08228E-06	18.55062675	1.59634E-05	0.000210278	0.000180947
2053 Mar	83.8895874	0.078980677	0.040527582	0.001548989	16.57999611	0.038883656	19.21844101	0.001000395	0.001000395	5.03599E-06	0.007145497	0.001254236	0.022286152	0.017718067	5.0913E-06	18.59205246	1.59928E-05	0.000210756	0.000181487
2053 Apr	84.36349487	0.079425484	0.040753167	0.001557532	16.67458534	0.039097153	19.32472229	0.001005945	0.001005945	5.06393E-06	0.007185	0.001261387	0.022408297	0.017823052	5.11954E-06	18.70004845	1.60821E-05	0.000211985	0.000182618
2053 May	103.9295044	0.085270651	0.049611587	0.001605308	20.73917007	0.033077344	22.49192238	0.000997293	0.000997293	5.02542E-06	0.007079495	0.001520142	0.023217946	0.026373381	5.08874E-06	25.57760811	1.92173E-05	0.000298339	0.000356417
2053 Jun	79.02122498	0.051742755	0.029089127	0.001173591	16.00140381	0.020685187	11.95594883	0.000933908	0.000933908	4.68599E-06	0.006646934	0.001377478	0.014266977	0.026553223	4.71273E-06	23.21199417	2.11396E-05	0.000317133	0.000385457
2053 Jul	78.25645447	0.046271853	0.031210231	0.001290323	14.90461826	0.022463961	13.40056038	0.000985986	0.000985986	4.95095E-06	0.007079009	0.001316717	0.016477702	0.023124047	4.98514E-06	20.97637177	2.23268E-05	0.000291507	0.000319352
2053 Aug	91.66274261	0.054625828	0.04122784	0.001510094	16.95047188	0.02676839	18.80698586	0.001036623	0.001036623	5.21601E-06	0.007321847	0.001403069	0.021292983	0.023330968	5.26949E-06	22.37999344	2.24193E-05	0.000292962	0.000315231
2053 Sep	117.0396881	0.069752745	0.061070256	0.001864267	20.50907516	0.029839063	29.25587463	0.001062675	0.001062675	5.36961E-06	0.007631328	0.00151289	0.029796977	0.023676435	5.46105E-06	24.93418121	2.41375E-05	0.000299806	0.000324109
2053 Oct	131.7557068	0.080623589	0.07269831	0.002059999	22.50205231	0.03145308	35.63172913	0.001061422	0.001061422	5.37767E-06	0.007794392	0.001559274	0.034812104	0.023531446	5.49238E-06	26.2098217	2.51251E-05	0.000298733	0.000324435
2053 Nov	131.6270294	0.083922148	0.072512597	0.002057015	22.5154705	0.032202374	35.81292725	0.001055367	0.001055367	5.34775E-06	0.007830764	0.001547998	0.034961846	0.02319097	5.46306E-06	26.02997017	2.48898E-05	0.000293896	0.000316333
2053 Dec	132.2616425	0.08437942	0.073012739	0.002065326	22.59977531	0.03226712	36.09046936	0.001055191	0.001055191	5.3475E-06	0.007836865	0.001549884	0.03517925	0.02318245	5.46381E-06	26.0836277	2.4931E-05	0.000293824	0.000316328
2054 Jan	132.4242249	0.084522359	0.073122337	0.002066976	22.62642479	0.032281693	36.15066528	0.00105513	0.00105513	5.34732E-06	0.007837925	0.00155083	0.035222765	0.023198973	5.46384E-06	26.10901642	2.49389E-05	0.000293954	0.000316651
2054 Feb	132.4886627	0.084578715	0.073143341	0.002067239	22.64249802	0.032283537	36.15869522	0.001055319	0.001055319	5.34827E-06	0.007838733	0.001551923	0.035225261	0.023230091	5.46481E-06	26.13395691	2.49438E-05	0.000294235	0.000317199
2054 Mar	132.5097046	0.084601954	0.073143929	0.002067194	22.64936066	0.032283518	36.15730667	0.001055412	0.001055412	5.34872E-06	0.007839007	0.001552457	0.035222054	0.023246724	5.46524E-06	26.14608002	2.49453E-05	0.000294383	0.000317488
2054 Apr	133.1432648	0.085012071	0.073487327	0.002076864	22.75952339	0.032434929	36.3260994	0.001060415	0.001060415	5.37407E-06	0.007875931	0.001560045	0.035385408	0.023365291	5.49113E-06	26.27565956	2.50631E-05	0.000295849	0.000319143
2054 May	131.5746155	0.085085683	0.069909923	0.001998241	23.0870266	0.031408567	34.1856842	0.001064025	0.001064025	5.38644E-06	0.007828678	0.001616014	0.033283629	0.025805984	5.49425E-06	27.62072945	2.50354E-05	0.000317465	0.000362617
2054 Jun	74.39428711	0.043447264	0.028212439	0.001211529	14.02602673	0.020915834	12.44451427	0.000950761	0.000950761	4.77306E-06	0.006900168	0.001259519	0.015633687	0.022253351	4.80436E-06	20.13691902	2.1993E-05	0.000284899	0.000308232
2054 Jul	61.74989319	0.028498262	0.023895103	0.001221447	10.88815212	0.025462067	11.41579723	0.000967719	0.000967719	4.85765E-06	0.00656194	0.001109192	0.015462496	0.016095335	4.88863E-06	15.07866192	1.85848E-05	0.000207669	0.00018575
2054 Aug	67.58686829	0.037272122	0.027223904	0.001303851	12.2322979	0.031495824	14.03913879	0.000982155	0.000982155	4.93517E-06	0.006339218	0.001146601	0.018277206	0.015862731	4.97483E-06	15.76804924	1.53978E-05	0.00020082	0.000166209
2054 Sep	72.79528046	0.050118677	0.029601069	0.001355298	13.45198727	0.035485152	16.06134796	0.0009855	0.0009855	4.95581E-06	0.006432941	0.001166697	0.020440921	0.015868461	5.00184E-06	16.52699089	1.4121E-05	0.000202331	0.000155651
2054 Oct	74.74339294	0.067111656	0.029515954	0.001351632	14.11183643	0.037435859	16.7600441	0.000973447	0.000973447	4.89643E-06	0.006851178	0.001164677	0.020799728	0.015983395	4.94389E-06	16.89228058	1.47343E-05	0.000200137	0.000151614
2054 Nov	75.48349762	0.072974287	0.029506573	0.001351461	14.34853554	0.038135327	17.01880455	0.000970172	0.000970172	4.88039E-06	0.007000146	0.001165029	0.020944767	0.016036121	4.92841E-06	17.03263664	1.49573E-05	0.000199557	0.00015036
2054 Dec	77.102211	0.073866732	0.030702326	0.00137138	14.5508604	0.038236037	17.70855904	0.0009703	0.0009703	4.88258E-06	0.007015168	0.001170932	0.021483773	0.016048554	4.93312E-06	17.18860054	1.50889E-05	0.000199833	0.000151103
2055 Jan	77.3704834	0.074039742	0.030880794	0.001374102	14.59060192	0.038243949	17.80850029	0.000970285	0.000970285	4.88272E-06	0.00701717	0.001172474	0.021556802	0.016074646	4.93362E-06	17.22912216	1.51107E-05	0.000200084	0.000151661
2055 Feb	77.42050934	0.074077643	0.030892028	0.001374021	14.60502529	0.038234774	17.80937958	0.000970335	0.000970335	4.88297E-06	0.0070168	0.001173504	0.021551531	0.016108582	4.93384E-06	17.25425529	1.51147E-05	0.000200387	0.000152289
2055 Mar	77.48215485	0.074131869	0.030911382	0.001374596	14.61946011	0.038247403	17.81749344	0.000970811	0.000970811	4.88535E-06	0.007019836	0.001174602	0.02155816	0.016134499	4.93624E-06	17.27578545	1.51238E-05	0.000200645	0.000152701
2055 Apr	77.79863739	0.074431933	0.031034641	0.001379913	14.68078041	0.038393427	17.88679695	0.000974607	0.000974607	4.90445E-06	0.007047048	0.001179494	0.021640187	0.016207894	4.95553E-06	17.350811	1.51839E-05	0.000201521	0.000153491
2055 May	79.32051849	0.075787172	0.031713262	0.001405651	14.95478535	0.03904717	18.27671242	0.000990982	0.000990982	4.98706E-06	0.007166796	0.001200184	0.02207271	0.016485764	5.03932E-06	17.66526604	1.5456E-05	0.000204979	0.000156251
2055 Jun	51.08590698	0.025785306	0.017580362	0.001126602	8.285104752	0.022868847	8.854815483	0.000944917	0.000944917	4.73944E-06	0.007061052	0.000915075	0.014774261	0.011675282	4.7636E-06	11.59743595	2.07185E-05	0.000192079	0.000110221
2055 Jul	44.88881683	0.015808944	0.013402878	0.0010907	7.212485313	0.02268504	6.338190556	0.000979288	0.000979288	4.9059E-06	0.007063809	0.000916555	0.012844061	0.011533549	4.92129E-06	10.79618168	2.05998E-05	0.000187242	0.000104877
2055 Aug	50.76843643	0.020126035	0.016331606	0.001179971	8.378619194	0.026652483	8.351949692	0.001021514	0.001021514	5.12094E-06	0.007092004	0.000997822	0.014637862	0.012456199	5.14269E-06	11.94351959	1.94366E-05	0.000188556	0.000110791
2055 Sep	58.80063629	0.036939617	0.019957131	0.001233763	10.29763126	0.031504944	11.28194523	0.001010444	0.001010444	5.0711E-06	0.007002934	0.001047955	0.017192593	0.013309572	5.1018E-06	13.52089214	1.72105E-05	0.000192042	0.00011446
2055 Oct	64.35364532	0.046168078	0.022950755	0.001286397	11.24188519	0.033003476	13.41601181	0.001011864	0.001011864	5.08259E-06	0.007188659	0.001077465	0.018814612	0.013702373	5.12041E-06	14.33259392	1.7546E-05	0.000194126	0.000118888
2055 Nov	68.18362427	0.049567997	0.025385415	0.001327464	11.75451183	0.033494122	15.00744057	0.001012269	0.001012269	5.0881E-06	0.007252431	0.001093656	0.020046819	0.013813048	5.13159E-06	14.76816082	1.78237E-05	0.000195032	0.00012112
2055 Dec	69.83200836	0.05051028	0.026506783	0.001345693	11.94922733	0.033597283	15.71989632	0.001011867	0.001011867	5.08769E-06	0.007265588	0.001099506	0.02059819	0.013826691	5.13378E-06	14.93029594	1.79453E-05	0.000195243	0.000121897
2056 Jan	69.96238708	0.05065532	0.026564576	0.001346482	11.97594452	0.033608619	15.75318718	0.001011985	0.001011985	5.08833E-06	0.007267558	0.001100932	0.020618636	0.013863736	5.13452E-06	14.96543598	1.7954E-05	0.000195562	0.00012255
2056 Feb	70.03239441	0.050721548	0.026580503	0.001346481	11.99630356	0.033603813	15.75540543	0.001012127	0.001012127	5.08903E-06	0.007267676	0.001102361	0.02061341	0.013908824	5.1352E-06	14.99935055	1.79586E-05	0.000195962	0.000123361
2056 Mar	70.11071014	0.050786715	0.026604433	0.001347254	12.01426983	0.033620499	15.76566124	0.001012785	0.001012785	5.09233E-06	0.007271914	0.001103771	0.020622404	0.013941343	5.13852E-06	15.02641582	1.79715E-05	0.000196292	0.000123873
2056 Apr	70.45265961	0.051039156	0.026730947	0.001353415	12.07541847	0.033772774	15.83843136	0.00101746	0.00101746	5.11583E-06	0.007305203	0.001109254	0.020715114	0.014018847	5.16223E-06	15.10547256	1.8055E-05	0.000197312	0.000124686
2056 May	76.76428223	0.055995535	0.026874291	0.001293368	14.39332581	0.030794246	14.58150101	0.001017906	0.001017906	5.11308E-06	0.007202773	0.001286476	0.018487068	0.020510039	5.15139E-06	19.59025955	1.89985E-05	0.000256768	0.000247221
2056 Jun	70.34793091	0.045769416	0.019890392	0.0010345	14.62527275	0.020331943	8.112228394	0.000950253	0.000950253	4.75891E-06	0.006691252	0.001363806	0.01139285	0.026838476	4.77134E-06	22.63247299	2.07651E-05	0.000320521	0.000385703
2056 Jul	70.02713776	0.040037945	0.021574145	0.001148336	13.62033653	0.023626463	9.942128181	0.001004257	0.001004257	5.03418E-06	0.00693677	0.001325761	0.013665364	0.023641001	5.05516E-06	20.56518745	2.06829E-05	0.000287485	0.000320137
2056 Aug	73.14231873	0.041112985	0.024248939	0.001240683	13.8270998	0.028908765	12.62418747	0.001027301	0.001027301	5.15569E-06	0.006733534	0.001332632	0.016238442	0.021965764	5.18687E-06	19.90486145	1.8054E-05	0.000259783	0.000277945
2056 Sep	80.85823822	0.051927812	0.028417075	0.00133446	14.91147423	0.031810518	15.94440651	0.0010437	0.0010437	5.24483E-06	0.007030448	0.001362886	0.019214086	0.021766573	5.28763E-06	20.62369156	1.83537E-05	0.000258943	0.000268242
2056 Oct	86.45770264	0.06941817	0.03143625	0.001378441	15.61979103	0.034574103	19.25137711	0.001013863	0.001013863	5.10289E-06	0.007302534	0.001331506	0.021849701	0.020441715	5.15748E-06	20.51929665	1.8367E-05	0.000243518	0.000239957
2056 Nov	89.31561279	0.07379996	0.033054914	0.001405702	15.95079899	0.035282649	20.64620399	0.001009711	0.001009711	5.08522E-06	0.007384705	0.001333214	0.02296393	0.020215077	5.14482E-06	20.6857872	1.85286E-05	0.000241039	0.000235265
2056 Dec	90.42020416	0.074356228	0.033741731	0.001417147	16.06650352	0.035351492	21.13324738	0.001009674	0.001009674	5.08613E-06	0.007395105	0.001337052	0.023345757	0.020214912	5.14752E-06	20.78989792	1.86159E-05	0.000241141	0.000235607
2057 Jan	90.45330811	0.074425101	0.033743039	0.001417147	16.07785606	0.035358414	21.13205338	0.001009836	0.001009836	5.08693E-06	0.007396643	0.001337817	0.023342481	0.020238273	5.1483E-06	20.80758095	1.8619E-05	0.00024135	0.00023599
2057 Feb	90.49861908	0.074465439	0.033752065	0.001417116	16.09170341	0.035353974	21.13161469	0.001009948	0.001009948	5.08747E-06	0.00739669	0.001338815	0.023337459	0.020270159	5.14883E-06	20.83115387	1.86223E-05	0.000241638	0.000236564
2057 Mar	90.62786865	0.074573465	0.033795971	0.001418736	16.11784744	0.035392374	21.15578079	0.001011176	0.001011176	5.09365E-06	0.007405258	0.001340906	0.023361666	0.020310981	5.15506E-06	20.86808395	1.86457E-05	0.000242074	0.00023715
2057 Apr	91.08316803	0.074949056	0.033963297	0.001425632	16.20062637	0.035563264	21.25862122	0.001016133	0.001016133	5.11861E-06	0.007441318	0.001347744	0.023473812	0.020419806	5.18032E-06	20.97702408	1.87375E-05	0.000243342	0.000238484
2057 May	93.47943115	0.076000974	0.034123451	0.001421138	16.99473	0.034811176	20.83590508	0.001030988	0.001030988	5.19122E-06	0.007500864	0.001415381	0.022897625	0.022620697	5.25022E-06	22.51633644	1.93418E-05	0.000265433	0.000278688
2057 Jun	54.42579269	0.028110951	0.015194664	0.001039652	9.768235207	0.02060046	7.200946331	0.000947651	0.000947651	4.74762E-06	0.006950599	0.001056899	0.012456884	0.016936153	4.76285E-06	15.08359909	2.11794E-05	0.000238624	0.000208054
2057 Jul	55.30388641	0.023784364	0.016604658	0.001127092	9.166561127	0.022429978	8.658118248	0.00099426	0.00099426	4.98469E-06	0.00722609	0.001042515	0.014266524	0.015020479	5.00647E-06	13.9322691	2.17738E-05	0.00022204	0.000168953
2057 Aug	65.81771851	0.028811395	0.02156188	0.001279734	10.63205147	0.025873151	12.20044518	0.001072474	0.001072474	5.38315E-06	0.007698602	0.001154459	0.017626466	0.016201284	5.41695E-06	15.63942814	2.28464E-05	0.000235278	0.000180793
2057 Sep	79.97392273	0.041275106	0.02904585	0.001412393	12.43510818	0.028935762	18.26029205	0.001076653	0.001076653	5.41724E-06	0.00784268	0.001217573	0.022530211	0.016490964	5.47246E-06	17.27493095	2.29253E-05	0.000236537	0.000183033
2057 Oct	93.74180603	0.055824053	0.03619324	0.001519191	14.06200981	0.031211825	24.4870196	0.001056885	0.001056885	5.33202E-06	0.007967468	0.00125917	0.027233256	0.016516106	5.40942E-06	18.6975174	2.32173E-05	0.000232872	0.000183757
2057 Nov	96.84072876	0.058214244	0.037790705	0.001546726	14.40480518	0.031629253	25.83100128	0.001057328	0.001057328	5.3372E-06	0.008013429	0.001272006	0.028285218	0.016571384	5.4194E-06	19.03723145	2.34073E-05	0.00023323	0.000184881
2057 Dec	97.73794556	0.058663704	0.038278658	0.001554915	14.49293804	0.031693168	26.22591209	0.001057391	0.001057391	5.3384E-06	0.008022283	0.001275473	0.028593989	0.0165803	5.42204E-06	19.12870598	2.34742E-05	0.000233365	0.000185277
2058 Jan	98.09165955	0.058848146	0.038465351	0.001557671	14.53258228	0.031706683	26.37289429	0.001057193	0.001057193	5.33773E-06	0.008023391	0.001277138	0.028703481	0.016600274	5.4219E-06	19.17473984	2.34954E-05	0.00023354	0.00018576
2058 Feb	98.19355774	0.058910739	0.038509257	0.001558152	14.55060291	0.031704806	26.40120888	0.001057193	0.001057193	5.33779E-06	0.008023131	0.001278188	0.028720535	0.016627975	5.42204E-06	19.20119858	2.35006E-05	0.000233783	0.000186289
2058 Mar	98.27126312	0.058960885	0.038539931	0.001558842	14.56436062	0.031714231	26.4205761	0.001057556	0.001057556	5.33964E-06	0.008025661	0.001279157	0.028735686	0.01664873	5.42395E-06	19.22109032	2.35105E-05	0.000233993	0.000186636
2058 Apr	98.57699585	0.059149992	0.038657326	0.001563485	14.61182404	0.03180838	26.49917984	0.001060744	0.001060744	5.35572E-06	0.008049611	0.001283257	0.028819915	0.016707411	5.44028E-06	19.28508759	2.35812E-05	0.00023477	0.000187352
2058 May	109.9426575	0.065740176	0.041627761	0.001543222	17.22986031	0.029538335	28.04915047	0.001046824	0.001046824	5.28766E-06	0.007829198	0.001459969	0.028798977	0.022584772	5.37471E-06	23.91532707	2.41358E-05	0.00028663	0.000300581
2058 Jun	75.25333405	0.043230064	0.021580407	0.001048219	14.08293343	0.019262612	11.6818943	0.000922798	0.000922798	4.63046E-06	0.006615074	0.001325489	0.014190798	0.025173502	4.65724E-06	22.10272217	2.13421E-05	0.000306721	0.000363929
2058 Jul	72.32530975	0.036019541	0.020972462	0.001121599	12.51291847	0.021323292	12.4657259	0.0009739	0.0009739	4.88907E-06	0.006985697	0.001257062	0.015859023	0.021581089	4.92089E-06	19.59066582	2.20153E-05	0.000277018	0.000293189
2058 Aug	80.23886108	0.038824927	0.024221269	0.00122474	13.25474548	0.02552744	16.26892471	0.001013942	0.001013942	5.09768E-06	0.007039385	0.001317104	0.019241193	0.021328969	5.14315E-06	20.23988533	2.10445E-05	0.000268174	0.000279362
2058 Sep	85.39673615	0.057840668	0.025388964	0.001257479	13.99347115	0.030819029	19.49027824	0.000997946	0.000997946	5.02449E-06	0.007252199	0.001297494	0.022149291	0.019920386	5.08101E-06	20.16958237	1.96411E-05	0.000249235	0.000241217
2058 Oct	92.08573151	0.073338762	0.027519897	0.001298448	14.72957039	0.033921946	23.01172447	0.000985191	0.000985191	4.96828E-06	0.007535916	0.00129772	0.024955506	0.019177062	5.0371E-06	20.51234818	1.96398E-05	0.000238031	0.000221875
2058 Nov	93.88473511	0.075345747	0.028198827	0.001312591	14.90810013	0.034353275	23.823946	0.00098666	0.00098666	4.97739E-06	0.007591642	0.001304646	0.025614886	0.019160805	5.04909E-06	20.6908226	1.97664E-05	0.000237715	0.000220981
2058 Dec	94.38014984	0.075584292	0.028414588	0.001316294	14.94730473	0.034391019	24.04914856	0.000986697	0.000986697	4.97809E-06	0.007597607	0.001306466	0.025791952	0.01916077	5.0506E-06	20.73949623	1.98052E-05	0.000237744	0.000221097
2059 Jan	94.5580368	0.075679064	0.028488267	0.001317297	14.96779633	0.034395181	24.11796379	0.000986634	0.000986634	4.97792E-06	0.007598318	0.001307562	0.025841601	0.019180404	5.05067E-06	20.7687149	1.98166E-05	0.000237918	0.000221507
2059 Feb	94.59696198	0.075713299	0.028498149	0.001317248	14.98077297	0.034389548	24.11615753	0.000986698	0.000986698	4.97822E-06	0.007597887	0.001308467	0.025835272	0.019210275	5.05096E-06	20.79037476	1.98184E-05	0.000238182	0.00022205
2059 Mar	94.61767578	0.075731814	0.028503308	0.001317218	14.98781013	0.034386449	24.11493874	0.000986733	0.000986733	4.97839E-06	0.007597646	0.001308959	0.025831638	0.019226562	5.05111E-06	20.80213547	1.98194E-05	0.000238325	0.000222347
2059 Apr	94.96900177	0.076014124	0.028608529	0.001321927	15.04561043	0.034508061	24.20077133	0.000990293	0.000990293	4.99634E-06	0.00762477	0.001313936	0.025922246	0.019304855	5.06932E-06	20.88349533	1.9891E-05	0.000239263	0.000223314
2059 May	99.04067993	0.07646323	0.02961868	0.001304407	16.54532051	0.03228892	23.32272339	0.000998678	0.000998678	5.03506E-06	0.007539023	0.001430974	0.024533277	0.023453332	5.1028E-06	23.71342468	2.06252E-05	0.000278935	0.000302548
2059 Jun	87.66358948	0.057366174	0.024472095	0.001116319	16.789711	0.022295693	14.1509819	0.000976804	0.000976804	4.90398E-06	0.006967299	0.001514557	0.015872983	0.029721905	4.93644E-06	26.12106705	2.18915E-05	0.000345781	0.000435701
2059 Jul	91.75286102	0.055724937	0.026005778	0.001221444	16.75808144	0.024257088	15.99556732	0.00105153	0.00105153	5.28202E-06	0.007521049	0.001551616	0.018145159	0.029079838	5.32164E-06	26.07327271	2.35897E-05	0.000346277	0.00041756
2059 Aug	99.60826874	0.05877848	0.028739939	0.001321237	17.66540146	0.027051857	18.84023476	0.001109829	0.001109829	5.57951E-06	0.007851255	0.001633757	0.020839488	0.02981624	5.62889E-06	27.28518486	2.41988E-05	0.000354093	0.00042321
2059 Sep	101.3739014	0.067777023	0.029016206	0.001342844	17.57657242	0.030542225	20.97539902	0.001098643	0.001098643	5.52855E-06	0.007945742	0.001590056	0.022935154	0.027811838	5.586E-06	26.41839218	2.30863E-05	0.000331757	0.00037918
2059 Oct	88.13357544	0.090253539	0.022527197	0.00122221	15.63514996	0.036507074	19.46894073	0.001001712	0.001001712	5.04124E-06	0.007964479	0.001347154	0.021976458	0.021573927	5.09437E-06	21.74509239	1.94521E-05	0.00025634	0.000250555
2059 Nov	90.09384155	0.093969643	0.023153512	0.001234773	15.69201565	0.037418157	20.77920151	0.000995262	0.000995262	5.01198E-06	0.008023716	0.001337469	0.02305375	0.020987304	5.06999E-06	21.62407684	1.93846E-05	0.00024953	0.00023876

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Dec	90.90396118	0.094228603	0.023486337	0.001240233	15.74495029	0.037450865	21.15654182	0.000995082	0.000995082	5.01194E-06	0.008029699	0.001340195	0.023348683	0.020980932	5.07133E-06	21.69944191	1.94474E-05	0.000249535	0.000238945
2060 Jan	90.93862152	0.094275281	0.023493938	0.001240322	15.75584888	0.03745475	21.15698624	0.000995234	0.000995234	5.01269E-06	0.008030489	0.001340948	0.023346514	0.021003244	5.07207E-06	21.71634293	1.94497E-05	0.000249732	0.000239323
2060 Feb	90.990448	0.094312102	0.023508733	0.001240435	15.77085304	0.037451342	21.15825272	0.000995409	0.000995409	5.01356E-06	0.008030698	0.001342037	0.023343138	0.021036398	5.07292E-06	21.74115181	1.94538E-05	0.000250034	0.000239918
2060 Mar	91.066185	0.094381452	0.023529064	0.001241145	15.78724575	0.037469093	21.17001343	0.000996025	0.000996025	5.01665E-06	0.008035014	0.00134333	0.023353526	0.021065392	5.07604E-06	21.7659893	1.94663E-05	0.000250329	0.000240366
2060 Apr	91.54807281	0.094869301	0.023655294	0.001247475	15.87172413	0.03765665	21.28064346	0.001001085	0.001001085	5.04214E-06	0.008075532	0.001350445	0.023472887	0.021181382	5.10184E-06	21.88376808	1.95661E-05	0.00025168	0.000241758
2060 May	98.5400238	0.085426062	0.026347203	0.001188657	18.50008774	0.030237643	19.12018013	0.000992799	0.000992799	4.99384E-06	0.007491131	0.001571774	0.020044226	0.029640052	5.04236E-06	27.42746544	2.0812E-05	0.000333427	0.000413462
2060 Jun	78.79092407	0.052100305	0.020493614	0.001022882	15.86559963	0.020373356	10.45296764	0.000949965	0.000949965	4.76169E-06	0.006725046	0.001460281	0.012733908	0.029464373	4.78098E-06	25.09240723	2.12046E-05	0.000342699	0.000433988
2060 Jul	80.10603333	0.048704565	0.020874344	0.001116567	15.37421799	0.022439791	11.47954655	0.001026224	0.001026224	5.14579E-06	0.007284469	0.001471688	0.01449859	0.028137341	5.16965E-06	24.36189461	2.27375E-05	0.000336981	0.000402458
2060 Aug	80.986763	0.049305391	0.020896532	0.001161763	15.02270699	0.027841421	13.65817261	0.001038719	0.001038719	5.21361E-06	0.007058932	0.001437934	0.017116984	0.025590856	5.24617E-06	23.11403656	1.96887E-05	0.000307151	0.000343338
2060 Sep	75.94803619	0.062582709	0.017964166	0.001131959	13.77938271	0.036246736	15.6089735	0.000979666	0.000979666	4.92365E-06	0.00669689	0.001255485	0.019964062	0.019444168	4.96481E-06	19.45278168	1.41651E-05	0.000240471	0.000212191
2060 Oct	84.21030426	0.078903064	0.020162521	0.001173868	14.3034973	0.038296364	20.02442169	0.000965942	0.000965942	4.86473E-06	0.007179263	0.00125501	0.023212196	0.018573755	4.92168E-06	19.7912693	1.55147E-05	0.000227749	0.000194415
2060 Nov	85.80064392	0.083395354	0.020467082	0.001180494	14.39968014	0.038865458	20.93876648	0.000961938	0.000961938	4.8467E-06	0.007312313	0.00125179	0.023868637	0.018315835	4.90688E-06	19.80798149	1.5837E-05	0.000223923	0.000188859
2060 Dec	87.50823975	0.083873264	0.021085693	0.001190713	14.50191975	0.038915887	21.72739792	0.000961841	0.000961841	4.848E-06	0.00732699	0.001258129	0.024483116	0.01832027	4.91107E-06	19.9779644	1.59836E-05	0.000224128	0.000189588
2061 Jan	87.9382782	0.084008336	0.021240048	0.001192961	14.53582668	0.03891626	21.91084671	0.000961746	0.000961746	4.84793E-06	0.007329383	0.001260273	0.024620283	0.018345494	4.91166E-06	20.03497124	1.60196E-05	0.000224382	0.000190224
2061 Feb	88.03961182	0.08405292	0.021274514	0.001193228	14.5542469	0.038905848	21.93404007	0.000961784	0.000961784	4.84816E-06	0.007329011	0.001261543	0.024631688	0.018381644	4.91196E-06	20.06623077	1.60278E-05	0.000224708	0.000190921
2061 Mar	88.10578156	0.08410012	0.02129381	0.001193654	14.56789684	0.038912296	21.94581032	0.000962115	0.000962115	4.84983E-06	0.007331041	0.001262572	0.024639655	0.018407071	4.91366E-06	20.08791161	1.60359E-05	0.000224954	0.000191352
2061 Apr	88.54976654	0.084520504	0.021402026	0.001199458	14.64370918	0.039098646	22.05200005	0.000966825	0.000966825	4.87357E-06	0.007366594	0.001269065	0.024757126	0.018508123	4.9377E-06	20.19394302	1.61153E-05	0.000226151	0.000192495
2061 May	96.58564758	0.080102794	0.024452925	0.001164387	17.41066933	0.032085482	20.21234512	0.000973971	0.000973971	4.903E-06	0.007134397	0.001499138	0.021545466	0.026990512	4.9569E-06	25.81048965	1.85832E-05	0.000308162	0.000362741
2061 Jun	77.39052582	0.046583716	0.019760512	0.001008985	14.60805893	0.019791605	11.73768044	0.000926127	0.000926127	4.64647E-06	0.00660042	0.001379301	0.013997192	0.026846085	4.67222E-06	23.39321709	2.10219E-05	0.000319719	0.000391407
2061 Jul	78.61213684	0.041611418	0.019952569	0.001107878	13.8079977	0.022746278	13.40955544	0.001001749	0.001001749	5.02908E-06	0.007064753	0.00138018	0.016261313	0.024778385	5.06214E-06	22.19292831	2.18994E-05	0.000302279	0.000345153
2061 Aug	87.11750031	0.044013329	0.022331232	0.001203185	14.60789776	0.025675824	16.72116089	0.0010601	0.0010601	5.32792E-06	0.007374404	0.001465539	0.019274771	0.025432283	5.3725E-06	23.41523743	2.24324E-05	0.000307751	0.000349427
2061 Sep	95.70156097	0.052006833	0.024527272	0.001253225	15.06972694	0.028640537	21.37611771	0.001056853	0.001056853	5.32215E-06	0.007472822	0.001473709	0.023298893	0.024386104	5.38374E-06	23.78421593	2.19909E-05	0.000296976	0.00032628
2061 Oct	92.48205566	0.07787285	0.021541471	0.00119329	14.55768681	0.034315653	22.67886353	0.000986638	0.000986638	4.97398E-06	0.007690324	0.001335768	0.024427332	0.020553673	5.04031E-06	21.51476097	1.97994E-05	0.000248265	0.000243001
2061 Nov	92.7317276	0.08504805	0.021043096	0.001185977	14.51761532	0.035952654	23.4365139	0.00097271	0.00097271	4.906E-06	0.00778558	0.001308379	0.025077535	0.019649841	4.97503E-06	21.08822441	1.93748E-05	0.000236793	0.000222737
2061 Dec	93.89116669	0.085353717	0.02140017	0.001191908	14.57714558	0.0359939	23.9797802	0.000972611	0.000972611	4.90673E-06	0.00779533	0.001312616	0.025502561	0.019648464	4.97775E-06	21.2027607	1.94688E-05	0.000236886	0.000223127
2062 Jan	94.55460358	0.085518375	0.021607293	0.001195009	14.61929226	0.036000974	24.27509117	0.000972471	0.000972471	4.90669E-06	0.007798666	0.0013156	0.02572798	0.019672416	4.97878E-06	21.2827301	1.95203E-05	0.000237154	0.00022383
2062 Feb	94.72968292	0.085581914	0.021661866	0.001195698	14.64191151	0.035997432	24.33161736	0.000972599	0.000972599	4.90745E-06	0.007799303	0.001317219	0.025766669	0.01970952	4.97973E-06	21.322052	1.9534E-05	0.000237503	0.000224552
2062 Mar	94.90808105	0.08572349	0.021706754	0.001197461	14.67177296	0.036043379	24.37429428	0.000973988	0.000973988	4.91447E-06	0.007809892	0.001319713	0.0258062	0.019756248	4.98687E-06	21.36777115	1.95641E-05	0.000238007	0.000225228
2062 Apr	95.41066742	0.086175427	0.021822944	0.00120362	14.75213242	0.036226448	24.49884796	0.000979027	0.000979027	4.93989E-06	0.007849885	0.001326841	0.025936518	0.01986903	5.01265E-06	21.48572922	1.96655E-05	0.000239331	0.00022659
2062 May	96.94761658	0.087457262	0.022187557	0.001221825	14.97564888	0.036752906	24.9220295	0.000993229	0.000993229	5.0117E-06	0.007964642	0.001346793	0.026364785	0.020162892	5.08576E-06	21.81582832	1.99635E-05	0.000242871	0.000230042
2062 Jun	57.60121155	0.032699883	0.012770003	0.001048216	8.505814552	0.023979405	11.17325401	0.000955074	0.000955074	4.79449E-06	0.007315672	0.000989851	0.016350165	0.013376828	4.82559E-06	13.42059898	2.13156E-05	0.000205289	0.000137108
2062 Jul	47.66133118	0.014843178	0.010331968	0.001037721	6.835664749	0.022773253	7.855103493	0.000977703	0.000977703	4.90128E-06	0.007058659	0.000936888	0.013921274	0.011772749	4.92203E-06	11.27946091	2.06375E-05	0.00018753	0.000109667
2062 Aug	56.65359116	0.024483107	0.011994967	0.001079593	8.612064362	0.030416844	11.59521484	0.000986022	0.000986022	4.95006E-06	0.006513533	0.001036215	0.017108591	0.012957679	4.98249E-06	13.18034744	1.56754E-05	0.000181526	0.000112156
2062 Sep	66.01726532	0.049912874	0.013254483	0.001091399	10.40023994	0.034960154	15.10835171	0.000969204	0.000969204	4.87245E-06	0.006851743	0.001086105	0.0198109	0.01400675	4.91543E-06	15.03007698	1.5117E-05	0.000186406	0.00011947
2062 Oct	70.9552002	0.092230588	0.012207906	0.001054649	12.40517712	0.039989378	16.28393173	0.000935134	0.000935134	4.70258E-06	0.007709161	0.00111325	0.020020746	0.015468175	4.74633E-06	16.68348885	1.5807E-05	0.000188348	0.000129481
2062 Nov	72.85757446	0.09500248	0.012565535	0.001066323	12.63985062	0.040542156	16.99313545	0.000940888	0.000940888	4.73278E-06	0.007815	0.001127462	0.020600367	0.01565754	4.77886E-06	17.00154686	1.60557E-05	0.000190073	0.000131471
2062 Dec	74.29141998	0.095284462	0.012967744	0.001072915	12.70655346	0.040570308	17.66250038	0.000940822	0.000940822	4.73396E-06	0.007825931	0.001132973	0.021122389	0.015665192	4.7825E-06	17.14864349	1.61775E-05	0.000190302	0.000132179
2063 Jan	74.82358551	0.095392711	0.013119618	0.001075159	12.73950768	0.040569678	17.89582443	0.000940783	0.000940783	4.73428E-06	0.007828621	0.001135569	0.02129975	0.015691083	4.78367E-06	17.21676064	1.62213E-05	0.000190589	0.000132872
2063 Feb	74.95883942	0.095437862	0.013159931	0.001075646	12.75857925	0.040564351	17.93540573	0.000940929	0.000940929	4.7351E-06	0.007829105	0.001136989	0.021325743	0.01572578	4.7846E-06	17.25065613	1.62328E-05	0.000190916	0.000133539
2063 Mar	75.0079422	0.095479943	0.013172877	0.001075991	12.77032661	0.040571429	17.94094658	0.00094126	0.00094126	4.73675E-06	0.007831122	0.001137894	0.021329336	0.015748652	4.78627E-06	17.26916504	1.62396E-05	0.000191138	0.000133917
2063 Apr	75.23243713	0.095754191	0.013214751	0.001079008	12.81050014	0.040681809	17.99106216	0.000943916	0.000943916	4.75011E-06	0.007852798	0.001141392	0.021387236	0.015802987	4.79976E-06	17.32497787	1.62861E-05	0.000191766	0.000134483
2063 May	80.20684052	0.090662457	0.015685199	0.00107321	14.6944313	0.036487948	16.54062653	0.000959319	0.000959319	4.8225E-06	0.007645148	0.001297418	0.019324247	0.021356817	4.86462E-06	20.98571205	1.75334E-05	0.000247177	0.000244412
2063 Jun	55.62460709	0.029299619	0.012755862	0.000946934	10.26064682	0.018957352	6.607794285	0.000917221	0.000917221	4.59331E-06	0.006671755	0.001105665	0.011245602	0.019323893	4.60503E-06	16.69267845	2.06776E-05	0.00025709	0.00025536
2063 Jul	51.77879333	0.02037973	0.011418933	0.001000274	8.349146843	0.020792788	7.454891682	0.0009559	0.0009559	4.79016E-06	0.00692557	0.001018296	0.012890004	0.015252116	4.80748E-06	13.80718517	2.0968E-05	0.000221144	0.000177367
2063 Aug	60.59893799	0.023602242	0.013384507	0.00108724	9.247367859	0.024330352	10.87918663	0.001012505	0.001012505	5.08038E-06	0.007170857	0.001110065	0.016008178	0.016047183	5.10942E-06	15.18870831	2.09746E-05	0.000226545	0.000182454
2063 Sep	72.38283539	0.036367241	0.015505806	0.001130995	10.52738762	0.029455872	16.36417007	0.001009013	0.001009013	5.07457E-06	0.007106745	0.001162406	0.020766316	0.016066546	5.12253E-06	16.66639519	1.90153E-05	0.000222823	0.000172419
2063 Oct	80.14990997	0.055466145	0.016378159	0.001134089	11.45911217	0.032569908	20.11786652	0.000982922	0.000982922	4.95181E-06	0.007367566	0.001179383	0.023420732	0.016053809	5.01228E-06	17.59410667	1.88725E-05	0.000214937	0.000166273
2063 Nov	83.06053925	0.05883402	0.016925773	0.001143885	11.69726658	0.033173446	21.44966698	0.000981727	0.000981727	4.94869E-06	0.007440657	0.001191188	0.024440145	0.016106807	5.01382E-06	17.94127846	1.90308E-05	0.000214584	0.000166539
2063 Dec	84.15923309	0.059146754	0.017194482	0.001148703	11.75100136	0.033226803	21.95616913	0.000982082	0.000982082	4.9516E-06	0.007453741	0.001195847	0.024837976	0.016121017	5.01858E-06	18.06040573	1.9126E-05	0.00021482	0.000167099
2064 Jan	84.93112183	0.059328299	0.017390257	0.001151565	11.79259109	0.03323504	22.30488014	0.000981886	0.000981886	4.9514E-06	0.007458087	0.001199281	0.025104027	0.016146827	5.01964E-06	18.15307999	1.91867E-05	0.000215104	0.000167876
2064 Feb	85.17120361	0.059409048	0.017453667	0.001152461	11.81687832	0.033235896	22.39272118	0.000982056	0.000982056	4.95244E-06	0.007459835	0.001201155	0.025167728	0.016183337	5.02098E-06	18.19871902	1.92067E-05	0.000215454	0.0001686
2064 Mar	85.36534882	0.059534334	0.017497865	0.001154458	11.84563828	0.0332871	22.44294739	0.000983682	0.000983682	4.96066E-06	0.007471912	0.001203778	0.025216291	0.016228026	5.02935E-06	18.24477005	1.92417E-05	0.000215969	0.000169222
2064 Apr	85.64094543	0.059728432	0.017556142	0.001157966	11.88626957	0.033386156	22.512043	0.000986679	0.000986679	4.97577E-06	0.007494419	0.001207744	0.025291795	0.016287366	5.04467E-06	18.3077755	1.93008E-05	0.000216712	0.000169921
2064 May	92.89177704	0.062870927	0.020339247	0.001135391	14.5548439	0.029779788	21.41304779	0.000985867	0.000985867	4.96717E-06	0.007293016	0.001393552	0.02309286	0.023035673	5.02869E-06	22.96268082	2.02918E-05	0.000278774	0.000299855
2064 Jun	76.41895294	0.045536853	0.018065708	0.000984452	14.62266254	0.019480098	10.73612976	0.000938554	0.000938554	4.70607E-06	0.006652218	0.001403447	0.013156499	0.0277227	4.72769E-06	23.8239193	2.12442E-05	0.000328492	0.000406169
2064 Jul	74.24562836	0.037058793	0.016800497	0.001051554	12.93160534	0.023043456	12.39131451	0.000988172	0.000988172	4.9592E-06	0.006810643	0.00134847	0.015290742	0.023959143	4.98901E-06	21.2718811	2.05992E-05	0.000287289	0.00032946
2064 Aug	76.09439087	0.034781888	0.016307656	0.001091344	12.3456459	0.028427988	15.31361771	0.001003857	0.001003857	5.04468E-06	0.006503741	0.001337816	0.017996352	0.021628087	5.08597E-06	20.1259079	1.74634E-05	0.00024998	0.000275528
2064 Sep	85.03949738	0.056055874	0.016246723	0.001102588	12.73307514	0.034758952	21.17199898	0.000972672	0.000972672	4.90178E-06	0.006729413	0.001284186	0.023627486	0.018816283	4.96424E-06	19.82320595	1.57145E-05	0.000225721	0.000211235
2064 Oct	98.94496918	0.067474872	0.018583527	0.001148644	13.3949461	0.036426365	27.84734726	0.000970559	0.000970559	4.906E-06	0.007119736	0.001326266	0.028875232	0.018565249	4.9925E-06	21.14217949	1.72195E-05	0.000223701	0.000207304
2064 Nov	103.8570328	0.068416804	0.019607894	0.00116799	13.5961113	0.036610585	30.11446762	0.000973255	0.000973255	4.92457E-06	0.007178457	0.001348036	0.030665861	0.018640367	5.01935E-06	21.68187904	1.76711E-05	0.000225072	0.000210112
2064 Dec	104.5440292	0.068583824	0.019747742	0.001170506	13.62294102	0.036636449	30.4360199	0.000973424	0.000973424	4.92614E-06	0.007186778	0.001350828	0.03091852	0.01864556	5.02209E-06	21.75453568	1.7734E-05	0.0002252	0.000210419
2065 Jan	105.065979	0.068682738	0.019859318	0.001172106	13.64580727	0.036636971	30.67552757	0.000973282	0.000973282	4.92596E-06	0.00719	0.001353063	0.031101823	0.018659787	5.02279E-06	21.81552887	1.77781E-05	0.000225377	0.000210901
2065 Feb	105.2633133	0.068739109	0.019904256	0.001172821	13.66240788	0.036639575	30.75175858	0.000973466	0.000973466	4.92705E-06	0.007192054	0.001354485	0.031158924	0.018683994	5.02414E-06	21.84968758	1.77963E-05	0.000225621	0.000211388
2065 Mar	105.4763031	0.068879195	0.019946992	0.001174986	13.69258976	0.036703888	30.81001282	0.000975266	0.000975266	4.93615E-06	0.007205135	0.001357317	0.031215567	0.018729342	5.03343E-06	21.89830399	1.78305E-05	0.000226134	0.000211983
2065 Apr	106.0497589	0.069256864	0.020056743	0.001181294	13.76896954	0.036899514	30.97433853	0.000980517	0.000980517	4.96273E-06	0.007243773	0.001364793	0.031381249	0.018836362	5.06052E-06	22.02040863	1.79268E-05	0.000227406	0.000213238
2065 May	112.6147842	0.070505612	0.02334683	0.001157367	16.62486458	0.031276524	28.74097633	0.000984079	0.000984079	4.97333E-06	0.007124521	0.001565541	0.028139783	0.026556702	5.0594E-06	27.11722755	2.00496E-05	0.000303385	0.000365135
2065 Jun	73.959198	0.040721431	0.016608518	0.000991239	13.11116982	0.020197039	11.81753254	0.000939539	0.000939539	4.71462E-06	0.006747916	0.001315618	0.014629758	0.024439471	4.74213E-06	21.63196754	2.13071E-05	0.000300481	0.000346565
2065 Jul	76.11943817	0.035348769	0.016473709	0.001084068	12.16774082	0.022405708	13.9167223	0.001015634	0.001015634	5.10065E-06	0.007317181	0.001311485	0.017345143	0.022261769	5.13721E-06	20.47593117	2.29255E-05	0.00028666	0.000300516
2065 Aug	85.10478973	0.038321767	0.017741121	0.001154383	12.77147007	0.026368035	18.03544807	0.001059018	0.001059018	5.32655E-06	0.007459203	0.001379231	0.021156967	0.02227669	5.37771E-06	21.48065948	2.23342E-05	0.000284987	0.000291433
2065 Sep	86.41714478	0.062799767	0.01559956	0.001107833	12.82672501	0.033083096	20.93481064	0.000996066	0.000996066	5.01799E-06	0.007465797	0.001290465	0.023638058	0.019332975	5.07921E-06	20.26007462	1.91495E-05	0.000243575	0.000222484
2065 Oct	83.55041504	0.09305159	0.012536712	0.001050927	12.9570694	0.038906809	21.2684269	0.00094279	0.00094279	4.75166E-06	0.007871976	0.001201614	0.023695709	0.017109511	4.81296E-06	18.94234276	1.75706E-05	0.000207364	0.000165603
2065 Nov	84.64369965	0.096685946	0.012458212	0.001055043	13.08122921	0.039750069	21.82199287	0.000944387	0.000944387	4.76075E-06	0.007972705	0.001204641	0.024159532	0.017019769	4.82386E-06	19.03018951	1.76111E-05	0.000205479	0.000161678
2065 Dec	85.19792938	0.096790828	0.012556915	0.001056796	13.09968376	0.039767746	22.08367157	0.000944485	0.000944485	4.76183E-06	0.007978406	0.001206892	0.024364801	0.017023496	4.8259E-06	19.08869743	1.76594E-05	0.000205572	0.000161929
2066 Jan	86.07221222	0.096899442	0.012723899	0.001059189	13.13461971	0.039764136	22.48414803	0.000944351	0.000944351	4.76206E-06	0.007982831	0.001210824	0.024671698	0.017051214	4.82759E-06	19.19325256	1.77317E-05	0.000205909	0.000162814
2066 Feb	86.26254272	0.096983507	0.012766677	0.001060044	13.15979481	0.039774179	22.54071999	0.000944895	0.000944895	4.76489E-06	0.007986611	0.001212907	0.024713369	0.017096231	4.8306E-06	19.23909569	1.7752E-05	0.000206353	0.000163615
2066 Mar	86.52935791	0.097267814	0.012812227	0.00106302	13.20512676	0.039879374	22.6024456	0.000947576	0.000947576	4.7784E-06	0.008008412	0.001216891	0.024778137	0.017163701	4.84428E-06	19.30699348	1.78031E-05	0.000207107	0.000164439
2066 Apr	86.861763	0.097632527	0.012864905	0.001066931	13.25849438	0.040022392	22.68470955	0.000951078	0.000951078	4.79605E-06	0.00803752	0.001221699	0.024866661	0.017237965	4.86217E-06	19.38594818	1.78693E-05	0.000207968	0.000165252
2066 May	88.56692505	0.097601846	0.013559043	0.001078645	13.80121116	0.039617315	22.48929977	0.000965287	0.000965287	4.86626E-06	0.008079951	0.001266814	0.024605012	0.018580846	4.93101E-06	20.32891655	1.8289E-05	0.000221713	0.000189695
2066 Jun	54.06584167	0.026404958	0.01078935	0.000973486	8.607764244	0.020724067	8.281514168	0.000940225	0.000940225	4.71334E-06	0.007035814	0.001018876	0.013514031	0.015550238	4.7332E-06	14.31934643	2.13607E-05	0.000226854	0.000183213
2066 Jul	60.00062561	0.020317653	0.011446461	0.001078284	8.122767448	0.023538794	11.71330452	0.00102255	0.00102255	5.13321E-06	0.007467739	0.001065576	0.017001458	0.014352047	5.16647E-06	14.09218216	2.24775E-05	0.000216411	0.000154407
2066 Aug	70.36581421	0.023395851	0.01298324	0.001149303	8.98679924	0.027393235	16.09649086	0.001068482	0.001068482	5.37221E-06	0.007578747	0.001162173	0.020744838	0.015125119	5.42065E-06	15.64302444	2.19212E-05	0.000218376	0.000159536
2066 Sep	79.01781464	0.040094279	0.013575705	0.001150344	10.09596157	0.031143958	19.98550987	0.001049495	0.001049495	5.28515E-06	0.00768351	0.00119739	0.023780355	0.015479549	5.3464E-06	16.95884895	2.09248E-05	0.000216028	0.000157948
2066 Oct	87.99875641	0.064504154	0.013801889	0.001124225	11.30631828	0.034924291	24.25056648	0.001003211	0.001003211	5.06224E-06	0.007879904	0.00121526	0.026698148	0.015724588	5.13733E-06	18.26266479	2.01708E-05	0.000208309	0.000155106

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Nov	89.66509247	0.069789961	0.013786965	0.001118207	11.56443405	0.035765134	25.03029823	0.000993953	0.000993953	5.01746E-06	0.007925818	0.00121868	0.027223729	0.015786694	5.09501E-06	18.52246094	1.9993E-05	0.000206728	0.000154416
2066 Dec	90.64981842	0.070017405	0.013943949	0.001121208	11.60006809	0.035809945	25.48867607	0.000994363	0.000994363	5.02053E-06	0.007938062	0.001223013	0.02758467	0.015801881	5.09975E-06	18.63222504	2.00798E-05	0.000206974	0.000154952
2067 Jan	91.15441895	0.070126504	0.014032482	0.001122429	11.62589359	0.035814069	25.71087456	0.000994346	0.000994346	5.02094E-06	0.007941265	0.001225633	0.027753247	0.015830899	5.10096E-06	18.70080185	2.012E-05	0.000207273	0.000155661
2067 Feb	91.30722809	0.070201986	0.01406672	0.001123082	11.64852333	0.035821658	25.75213051	0.000994805	0.000994805	5.02331E-06	0.007944262	0.001227463	0.027782576	0.015873054	5.10345E-06	18.74120903	2.0136E-05	0.000207681	0.000156408
2067 Mar	91.45399475	0.070318192	0.014094733	0.001124598	11.67294407	0.035865787	25.78482437	0.000996178	0.000996178	5.03023E-06	0.007954557	0.001229691	0.027815184	0.015913753	5.11046E-06	18.78026199	2.0164E-05	0.000208132	0.000156972
2067 Apr	91.74111176	0.070540883	0.014142072	0.001127963	11.71284676	0.035970703	25.86080551	0.000999176	0.000999176	5.04537E-06	0.007978117	0.001233696	0.027895626	0.015972393	5.12582E-06	18.84432411	2.02248E-05	0.000208852	0.000157643
2067 May	94.86659241	0.070698194	0.017243376	0.001103694	14.65197277	0.031451914	22.02906227	0.001004115	0.001004115	5.05917E-06	0.00765564	0.001428759	0.023491368	0.023695154	5.12192E-06	23.62759972	2.09055E-05	0.000281509	0.000305222
2067 Jun	77.73700714	0.048047528	0.01713701	0.000993215	14.53722382	0.020961506	11.5504961	0.000956184	0.000956184	4.79598E-06	0.006843182	0.001411017	0.014042183	0.027376911	4.82047E-06	23.79419899	2.13884E-05	0.000325034	0.000395305
2067 Jul	83.35881042	0.043578524	0.017448055	0.001086652	13.91753578	0.023633353	15.07983589	0.001028719	0.001028719	5.16721E-06	0.007313478	0.001437726	0.017666038	0.025765961	5.2056E-06	23.32774353	2.26389E-05	0.000312502	0.00035966
2067 Aug	86.52420044	0.038351104	0.01671074	0.001127212	13.04372692	0.028966757	19.01877975	0.001046924	0.001046924	5.26776E-06	0.006955835	0.001435532	0.020972449	0.023226831	5.32165E-06	22.11953545	1.95288E-05	0.00026874	0.000303497
2067 Sep	91.26130676	0.049006104	0.016282402	0.001132032	13.19083309	0.032378085	22.08774567	0.001036621	0.001036621	5.22305E-06	0.007107207	0.001413307	0.023935696	0.021820039	5.288E-06	21.99892044	1.87108E-05	0.000256424	0.000270452
2067 Oct	88.20507813	0.075117655	0.013497152	0.001074235	13.01621342	0.036488581	22.38913155	0.000980482	0.000980482	4.94274E-06	0.007538914	0.001300234	0.024298746	0.019156808	5.0083E-06	20.41837883	1.79431E-05	0.000226062	0.000210619
2067 Nov	90.2942276	0.080204912	0.013392863	0.001074405	13.09800434	0.037392933	23.60243416	0.000975267	0.000975267	4.9193E-06	0.007665741	0.001295368	0.025300158	0.018794414	4.98916E-06	20.47014236	1.8085E-05	0.000222203	0.000202311
2067 Dec	91.31325531	0.08042597	0.013536279	0.001077364	13.13034534	0.037440788	24.07949448	0.000975829	0.000975829	4.92318E-06	0.007679917	0.00129982	0.025678128	0.018806299	4.99478E-06	20.58171844	1.81798E-05	0.000222448	0.000202785
2068 Jan	92.05051422	0.080543175	0.013651277	0.001079026	13.15977955	0.037443396	24.4135685	0.000975822	0.000975822	4.92389E-06	0.007685071	0.001303345	0.025934361	0.018836059	4.9967E-06	20.67442703	1.82424E-05	0.000222795	0.000203612
2068 Feb	92.22319794	0.080613762	0.013688704	0.001079593	13.18327808	0.037444931	24.46342659	0.000976175	0.000976175	4.92575E-06	0.007687257	0.001305259	0.025968822	0.018880848	4.99872E-06	20.71837807	1.8259E-05	0.000223225	0.000204436
2068 Mar	92.47636414	0.080832668	0.013732764	0.001082257	13.22510433	0.037531443	24.52157021	0.000978613	0.000978613	4.93804E-06	0.00770573	0.001309093	0.026027594	0.018948328	5.01117E-06	20.78438377	1.83054E-05	0.000223963	0.000205327
2068 Apr	93.41283417	0.08164987	0.013875469	0.001093049	13.36219215	0.037902359	24.76482582	0.000988387	0.000988387	4.98735E-06	0.007782285	0.00132249	0.026284134	0.019148994	5.0612E-06	20.99998093	1.84887E-05	0.000226302	0.000207591
2068 May	96.14240265	0.079223625	0.016427958	0.001082239	15.30382633	0.033883289	22.31878662	0.000994246	0.000994246	5.00973E-06	0.00757414	0.001458071	0.023430152	0.024504246	5.07233E-06	24.34061623	1.94734E-05	0.000279584	0.00031275
2068 Jun	67.41494751	0.034805126	0.014243821	0.000955078	11.67727947	0.019224625	10.40690613	0.000924072	0.000924072	4.63506E-06	0.006702243	0.001224721	0.013768662	0.022131052	4.65897E-06	19.58679581	2.1248E-05	0.000281116	0.000307522
2068 Jul	70.38198853	0.025533069	0.013161121	0.001038156	9.952212334	0.02344626	14.69550705	0.000984307	0.000984307	4.94727E-06	0.006913052	0.001195939	0.0180282	0.018232306	4.98911E-06	17.46763992	2.08831E-05	0.00023755	0.000228602
2068 Aug	79.29763794	0.028100906	0.01413717	0.001115836	10.67833328	0.02733108	18.29771042	0.001046424	0.001046424	5.26547E-06	0.00717975	0.001289737	0.021375945	0.01891139	5.3197E-06	18.8129406	2.08188E-05	0.000241841	0.000230377
2068 Sep	83.21780396	0.046922024	0.013310024	0.001103694	11.3882103	0.03190254	20.5074501	0.001026574	0.001026574	5.17047E-06	0.0073744	0.001279984	0.023379255	0.018273002	5.23161E-06	19.12258911	1.94695E-05	0.000231406	0.000206673
2068 Oct	88.91889191	0.058654569	0.01335404	0.001105363	11.85688305	0.034021106	23.32014847	0.001017014	0.001017014	5.12858E-06	0.007614278	0.001291402	0.025580533	0.01809093	5.19933E-06	19.71201515	1.96303E-05	0.000227197	0.000199125
2068 Nov	90.71408844	0.059777666	0.013544485	0.001111781	11.95569038	0.034301687	24.11544037	0.001020039	0.001020039	5.14544E-06	0.007666948	0.001301168	0.026228657	0.018150277	5.219E-06	19.93805122	1.98065E-05	0.000227915	0.000199875
2068 Dec	91.04239655	0.059929427	0.013582694	0.001113023	11.97227001	0.034343589	24.26010513	0.001020659	0.001020659	5.14885E-06	0.007675764	0.001303027	0.026346697	0.018162528	5.22293E-06	19.9796524	1.98406E-05	0.000228076	0.000200066
2069 Jan	91.64787292	0.060025908	0.013665444	0.001114115	11.99317932	0.034345396	24.53939247	0.001020519	0.001020519	5.14878E-06	0.007679446	0.001305752	0.026560493	0.018182248	5.22387E-06	20.0533371	1.98898E-05	0.000228304	0.000200669
2069 Feb	91.90879059	0.060084764	0.013707884	0.0011147	12.01111317	0.034345545	24.64422989	0.001020658	0.001020658	5.1497E-06	0.007681449	0.001307524	0.026638668	0.018211404	5.22516E-06	20.09715652	1.99122E-05	0.000228595	0.000201277
2069 Mar	91.97671509	0.060113844	0.013721474	0.001114917	12.01991272	0.034347091	24.66461754	0.001020796	0.001020796	5.15043E-06	0.007682403	0.001308252	0.026653038	0.018227944	5.22595E-06	20.11384773	1.99187E-05	0.000228754	0.00020158
2069 Apr	92.21684265	0.060272586	0.013759632	0.001117666	12.05327034	0.034429912	24.7263546	0.001023315	0.001023315	5.16314E-06	0.007701166	0.001311721	0.026718032	0.018280849	5.23885E-06	20.16950607	1.99684E-05	0.000229388	0.000202225
2069 May	94.9250412	0.061950851	0.014474177	0.001139335	12.65543938	0.034671336	25.02156639	0.001044666	0.001044666	5.27011E-06	0.007837789	0.001361734	0.026945496	0.019516235	5.34617E-06	21.16634369	2.05154E-05	0.000242308	0.00022287
2069 Jun	55.25819397	0.02309419	0.010229673	0.000986529	8.225663185	0.021038169	9.203847885	0.000958716	0.000958716	4.80814E-06	0.007128561	0.001021387	0.014502462	0.015007573	4.83182E-06	14.10108471	2.17295E-05	0.000223573	0.000172833
2069 Jul	58.63659286	0.01790886	0.010226697	0.001048549	7.607642174	0.022497799	11.53411865	0.001009925	0.001009925	5.06999E-06	0.00743585	0.001035295	0.016921844	0.013752016	5.1031E-06	13.61993504	2.27004E-05	0.000213943	0.000146783
2069 Aug	67.03482056	0.02239077	0.010815668	0.001085993	8.510895729	0.027447473	15.30783749	0.00103294	0.00103294	5.19289E-06	0.007246117	0.001115519	0.020132799	0.014365636	5.23873E-06	14.98157978	2.03258E-05	0.000209635	0.00014616
2069 Sep	69.83333588	0.050675403	0.009750108	0.00104256	10.00313759	0.033089887	16.35874176	0.00098907	0.00098907	4.97438E-06	0.007347923	0.001121479	0.020702252	0.014896197	5.02158E-06	15.93961048	1.79105E-05	0.000201849	0.000139565
2069 Oct	68.01092529	0.086676471	0.007896648	0.000992965	11.60852814	0.03883858	14.90392685	0.000950513	0.000950513	4.77643E-06	0.007807034	0.001114736	0.019020274	0.015715498	4.81524E-06	16.54830742	1.64587E-05	0.000194049	0.000134619
2069 Nov	68.41610718	0.091727316	0.007740989	0.000995494	11.89902306	0.039860267	14.87970638	0.000953994	0.000953994	4.79348E-06	0.007928899	0.001123559	0.018999364	0.015945634	4.83169E-06	16.76574516	1.64281E-05	0.000194754	0.000135153
2069 Dec	69.02297211	0.091838807	0.00781	0.000996903	11.9158659	0.039883915	15.16441822	0.000954273	0.000954273	4.79551E-06	0.007936535	0.00112626	0.019223625	0.015955037	4.83476E-06	16.83374214	1.64833E-05	0.000194911	0.000135492
2070 Jan	69.16056061	0.091879688	0.007836793	0.000997097	11.93140125	0.039877269	15.20968723	0.000954306	0.000954306	4.79576E-06	0.007936579	0.001127543	0.01925364	0.015985638	4.83517E-06	16.86577988	1.64935E-05	0.000195192	0.000136096
2070 Feb	69.25204468	0.091907248	0.007862871	0.00099717	11.9494648	0.039863307	15.22636509	0.000954335	0.000954335	4.79594E-06	0.007935409	0.001128873	0.019259423	0.016025636	4.83538E-06	16.89845657	1.64994E-05	0.000195554	0.000136866
2070 Mar	69.34833527	0.092002042	0.00788228	0.000998059	11.96951485	0.039890688	15.24194717	0.00095519	0.00095519	4.80023E-06	0.007941645	0.001130531	0.019274142	0.016061381	4.83971E-06	16.92956161	1.65158E-05	0.00019592	0.000137397
2070 Apr	69.78673553	0.092518687	0.007947201	0.001003421	12.05052757	0.040090151	15.32965183	0.000960321	0.000960321	4.82602E-06	0.007982782	0.001137775	0.019375011	0.016185731	4.86571E-06	17.04942513	1.66079E-05	0.000197313	0.000138864
2070 May	76.36448669	0.087924726	0.011483852	0.001011378	14.20697498	0.035844162	14.4013443	0.000974798	0.000974798	4.89486E-06	0.007748626	0.0013067	0.017658964	0.02204043	4.9288E-06	21.03775978	1.78828E-05	0.00025534	0.000255026
2070 Jun	75.68013763	0.052146818	0.016461987	0.000974042	15.06157017	0.02143731	9.7623806	0.000956556	0.000956556	4.79321E-06	0.006833344	0.001433216	0.012443307	0.028571811	4.81017E-06	24.33689308	2.09003E-05	0.000333639	0.000413175
2070 Jul	76.70215607	0.04389165	0.015491639	0.001041338	13.57899761	0.023488395	12.22268486	0.001012259	0.001012259	5.07847E-06	0.007189009	0.00139817	0.015323443	0.025498988	5.1064E-06	22.53373146	2.17612E-05	0.000307714	0.000353065
2070 Aug	80.96909332	0.041636657	0.015073226	0.001087657	13.27952671	0.027789822	15.38366604	0.001046342	0.001046342	5.25622E-06	0.007107617	0.001425132	0.01820768	0.024249801	5.29607E-06	22.24424553	2.00553E-05	0.000285806	0.000320682
2070 Sep	76.70542908	0.067865111	0.011594098	0.001035535	12.86263466	0.034154039	15.88425446	0.000993558	0.000993558	4.99329E-06	0.007423396	0.001290384	0.01912291	0.020499639	5.03476E-06	19.98828506	1.78121E-05	0.000242781	0.000235026
2070 Oct	72.03639984	0.085791782	0.009257879	0.001000601	12.65287018	0.037811596	15.02420235	0.000963052	0.000963052	4.83862E-06	0.007717825	0.001204847	0.018625751	0.018433567	4.87661E-06	18.50162125	1.67896E-05	0.000217638	0.000186101
2070 Nov	74.17550659	0.087590195	0.009336269	0.001003932	12.70281219	0.038203899	16.12563896	0.000962545	0.000962545	4.83854E-06	0.00777601	0.001209812	0.019514423	0.018316023	4.88051E-06	18.66893005	1.69484E-05	0.00021644	0.000183703
2070 Dec	74.76613617	0.087670192	0.009394904	0.001004945	12.71332359	0.038216986	16.41149712	0.000962529	0.000962529	4.83911E-06	0.007781562	0.00121208	0.019738348	0.018316107	4.88213E-06	18.72987366	1.69994E-05	0.000216502	0.00018392
2071 Jan	74.91847992	0.087708056	0.009418162	0.001005158	12.72489643	0.038213894	16.4708271	0.00096254	0.00096254	4.83929E-06	0.007782149	0.001213169	0.019781122	0.018336836	4.88252E-06	18.75772667	1.70113E-05	0.000216699	0.000184351
2071 Feb	74.96012878	0.087730713	0.009433984	0.001005177	12.73770523	0.038204912	16.47094536	0.000962575	0.000962575	4.83946E-06	0.007781313	0.001214039	0.019776182	0.018365625	4.88267E-06	18.77882004	1.70135E-05	0.000216958	0.00018489
2071 Mar	74.99720001	0.08776015	0.009444438	0.001005383	12.74717999	0.038207438	16.47408295	0.000962782	0.000962782	4.84049E-06	0.00778237	0.001214749	0.019777231	0.018384932	4.8837E-06	18.79397011	1.7018E-05	0.000217141	0.00018522
2071 Apr	75.18453979	0.087971404	0.009471333	0.001007729	12.78083324	0.03829354	16.51237679	0.000965033	0.000965033	4.8518E-06	0.007800216	0.001217847	0.019821649	0.018436689	4.89511E-06	18.84426308	1.70583E-05	0.000217727	0.000185819
2071 May	81.6624527	0.081687607	0.013712844	0.001002759	15.32303905	0.032445528	14.73650551	0.000969646	0.000969646	4.86918E-06	0.007423696	0.001408197	0.01712258	0.025509218	4.90323E-06	23.51081276	1.84504E-05	0.000287975	0.000328191
2071 Jun	66.39873505	0.041045111	0.014379063	0.000952075	12.92691422	0.020015543	8.013970375	0.000940034	0.000940034	4.70832E-06	0.006738652	0.001294488	0.011582459	0.024774086	4.72157E-06	21.08442688	2.08209E-05	0.000302616	0.00034915
2071 Jul	62.02903748	0.030920342	0.012453346	0.0010035	10.79531384	0.021437999	8.640015602	0.000986706	0.000986706	4.94475E-06	0.007103024	0.001200451	0.0132266	0.020512989	4.963E-06	18.03640556	2.16719E-05	0.000268719	0.000268207
2071 Aug	66.95041656	0.033168245	0.012623645	0.001054337	11.26102257	0.025081318	10.72103214	0.001030941	0.001030941	5.17026E-06	0.00723201	0.001256672	0.015402459	0.020697474	5.19555E-06	18.72764587	2.09021E-05	0.000268473	0.000261047
2071 Sep	68.83931732	0.052811895	0.010650213	0.001026437	11.57974243	0.031915423	13.13844013	0.000995989	0.000995989	5.00044E-06	0.007185412	0.001209068	0.017750364	0.018684573	5.03375E-06	18.11461639	1.75399E-05	0.000238763	0.000207152
2071 Oct	69.66225433	0.068238392	0.009576955	0.001007789	11.83194828	0.034775723	14.10451603	0.000975202	0.000975202	4.89822E-06	0.007437678	0.00118496	0.018373143	0.017942769	4.93434E-06	17.89047623	1.70996E-05	0.000224536	0.000185976
2071 Nov	69.33100128	0.077731468	0.008897332	0.001004443	12.06820679	0.03676457	14.08551121	0.000972797	0.000972797	4.88579E-06	0.007645381	0.001176663	0.018355375	0.017679293	4.92125E-06	17.77754402	1.68822E-05	0.00021824	0.000174741
2071 Dec	69.74321747	0.078373156	0.008896621	0.001005121	12.09247398	0.036900807	14.28844357	0.000972867	0.000972867	4.88657E-06	0.007663436	0.001178079	0.018515335	0.017669151	4.92274E-06	17.81869888	1.69089E-05	0.000217965	0.000174289
2072 Jan	69.79911041	0.078445971	0.008914028	0.001005234	12.11009407	0.036901571	14.2899313	0.000972997	0.000972997	4.88722E-06	0.00766401	0.001179218	0.018511029	0.017704703	4.92336E-06	17.84550476	1.69124E-05	0.000218272	0.000174914
2072 Feb	69.87317657	0.078494862	0.00894039	0.001005322	12.13204288	0.036890265	14.2919035	0.000973103	0.000973103	4.88773E-06	0.007663193	0.001180719	0.018504491	0.017752929	4.92386E-06	17.88131142	1.69169E-05	0.000218702	0.000175805
2072 Mar	69.92596436	0.078535542	0.008956308	0.00100555	12.14614105	0.036890782	14.2955513	0.000973336	0.000973336	4.8889E-06	0.007664132	0.001181746	0.018504279	0.017782299	4.92502E-06	17.9039669	1.69224E-05	0.000218975	0.00017632
2072 Apr	70.23162079	0.078868464	0.009000563	0.00100965	12.20198345	0.037036795	14.3540554	0.000977311	0.000977311	4.90886E-06	0.007694931	0.001186987	0.018577259	0.017868923	4.94512E-06	17.98732567	1.69923E-05	0.000219992	0.000177304
2072 May	71.75679779	0.080529623	0.009206626	0.001030978	12.46958828	0.037802435	14.66029453	0.000997957	0.000997957	5.01256E-06	0.007856443	0.001212806	0.018967098	0.018271323	5.04958E-06	18.38577843	1.73566E-05	0.000224876	0.000181548
2072 Jun	48.52301788	0.02869251	0.007916478	0.000982755	7.642636299	0.02392789	7.11257267	0.000969016	0.000969016	4.85511E-06	0.007343404	0.000957518	0.013414501	0.013149853	4.87141E-06	12.42694283	2.08294E-05	0.000204754	0.000128174
2072 Jul	50.16641998	0.019036697	0.007911445	0.001016264	7.217746735	0.02580872	8.68492794	0.00099719	0.00099719	4.99983E-06	0.007036497	0.000999099	0.014421389	0.012837165	5.02239E-06	12.24621964	1.93211E-05	0.000186939	0.000119433
2072 Aug	54.31568527	0.030862205	0.007589329	0.001012948	9.031108856	0.034056455	9.953983307	0.000992335	0.000992335	4.97699E-06	0.006370069	0.0010591	0.01629648	0.013840229	5.0019E-06	13.79642487	1.30678E-05	0.000188188	0.000113943
2072 Sep	57.64131165	0.049165476	0.007220225	0.000998434	10.34982586	0.038394995	10.84494305	0.000977144	0.000977144	4.90187E-06	0.006433953	0.001082621	0.017220497	0.014591799	4.92812E-06	14.89925098	1.12189E-05	0.000191988	0.000114381
2072 Oct	61.05694199	0.076797619	0.006663097	0.000973051	11.29150772	0.039960191	11.9636898	0.000950429	0.000950429	4.76964E-06	0.007207251	0.001088716	0.017241294	0.015296582	4.79809E-06	15.71175671	1.33198E-05	0.000190026	0.000122028
2072 Nov	64.08625793	0.080693424	0.006817776	0.000975761	11.47644424	0.040279582	13.31202698	0.000949454	0.000949454	4.76764E-06	0.007344512	0.001102047	0.018205019	0.015440055	4.80075E-06	16.11453438	1.38386E-05	0.000190678	0.000124564
2072 Dec	65.21279144	0.080794558	0.006913522	0.000977186	11.49248695	0.040282536	13.85714912	0.000949268	0.000949268	4.76794E-06	0.007353663	0.001106418	0.018628042	0.015445301	4.80306E-06	16.23332214	1.394E-05	0.00019084	0.000125139
2073 Jan	65.50225067	0.080846392	0.00694857	0.000977546	11.5074749	0.040276352	13.97944736	0.000949279	0.000949279	4.76826E-06	0.007355541	0.001108167	0.01871849	0.015471696	4.80381E-06	16.27842903	1.39663E-05	0.000191102	0.000125735
2073 Feb	65.56037903	0.080883294	0.006968093	0.00097768	11.52346325	0.040269274	13.98249149	0.000949421	0.000949421	4.76897E-06	0.007355595	0.0011093	0.018715588	0.015506692	4.80451E-06	16.30480003	1.39719E-05	0.000191421	0.000126377
2073 Mar	65.62162018	0.080940872	0.006981892	0.000978205	11.53750801	0.04028409	13.9902277	0.000949938	0.000949938	4.77156E-06	0.00735903	0.001110428	0.01872237	0.015532955	4.80711E-06	16.3266449	1.39814E-05	0.000191684	0.000126785
2073 Apr	66.2514267	0.08168675	0.007052744	0.000987135	11.64730167	0.04064697	14.12613773	0.00095859	0.00095859	4.81503E-06	0.007425859	0.001120913	0.018897502	0.015684765	4.85094E-06	16.48464775	1.41113E-05	0.000193524	0.000128143
2073 May	81.79834747	0.077337421	0.012862317	0.000996608	14.88178253	0.03357362	15.60591316	0.000967855	0.000967855	4.86257E-06	0.007199986	0.001384907	0.018320778	0.024386289	4.90044E-06	22.96885109	1.71332E-05	0.000279606	0.000305858
2073 Jun	75.38150787	0.046803858	0.015960511	0.000960383	14.45864391	0.020374453	10.28833294	0.000947247	0.000947247	4.74835E-06	0.006724503	0.001407097	0.012921218	0.027759723	4.76805E-06	23.80377388	2.09997E-05	0.000328071	0.000402891
2073 Jul	73.47594452	0.039592486	0.014508162	0.001004924	13.08075905	0.022854665	11.39071369	0.000987874	0.000987874	4.95498E-06	0.006871765	0.001366209	0.014448429	0.024952395	4.98036E-06	21.8711586	2.06881E-05	0.000298291	0.000345827
2073 Aug	77.03582764	0.038034771	0.013919229	0.001049488	12.85605621	0.026961733	13.96694374	0.00102581	0.00102581	5.15058E-06	0.006855765	0.00139572	0.016897492	0.023950957	5.18558E-06	21.66121864	1.92402E-05	0.000280266	0.000317537
2073 Sep	79.26268005	0.050700098	0.01225471	0.001034469	12.66445446	0.031318456	16.54244614	0.001004605	0.001004605	5.05037E-06	0.006973946	0.001339762	0.019541418	0.021666044	5.09482E-06	20.82026482	1.77015E-05	0.000257044	0.00026578

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Oct	77.58842468	0.074872918	0.009725404	0.000997254	12.49887848	0.035847034	17.42487335	0.000966184	0.000966184	4.85996E-06	0.007447692	0.001248448	0.020403229	0.01913733	4.90719E-06	19.41435814	1.70804E-05	0.0002267	0.000207313
2073 Nov	78.86402893	0.079154015	0.009415226	0.000994616	12.51217747	0.036688939	18.2861042	0.000961702	0.000961702	4.83943E-06	0.007553523	0.001241247	0.021118941	0.01875834	4.8897E-06	19.36592293	1.71339E-05	0.000222295	0.000198608
2073 Dec	80.09224701	0.079296008	0.0094979	0.000996324	12.53083134	0.036719427	18.87605286	0.000961999	0.000961999	4.84224E-06	0.007566971	0.001246356	0.021582829	0.018766865	4.89467E-06	19.49810219	1.7245E-05	0.000222522	0.000199172
2074 Jan	80.99536133	0.079356335	0.009569447	0.00099709	12.54855919	0.036710408	19.30270576	0.000961749	0.000961749	4.84195E-06	0.007571693	0.001250258	0.02191025	0.018788887	4.89594E-06	19.60411835	1.73204E-05	0.000222808	0.000199979
2074 Feb	81.37721252	0.07939218	0.009610448	0.000997398	12.56560421	0.036698118	19.46727562	0.000961673	0.000961673	4.84193E-06	0.007572646	0.001252466	0.022032322	0.018820824	4.89651E-06	19.66208267	1.73513E-05	0.000223129	0.000200734
2074 Mar	81.4679184	0.07946825	0.009627654	0.000998163	12.58297539	0.036720518	19.48402405	0.000962413	0.000962413	4.84566E-06	0.007577905	0.001253949	0.022047441	0.018852463	4.90027E-06	19.69012642	1.73661E-05	0.000223454	0.000201213
2074 Apr	82.09356689	0.080074757	0.009705489	0.00100567	12.68205166	0.0369935	19.62993431	0.000969656	0.000969656	4.88212E-06	0.007634581	0.00126367	0.022210956	0.019004172	4.93714E-06	19.84534264	1.74973E-05	0.000225223	0.000202912
2074 May	92.49064636	0.07563857	0.015095619	0.001005413	15.93049812	0.030328771	18.63404846	0.000975258	0.000975258	4.90572E-06	0.007283516	0.001503936	0.019835848	0.027615961	4.95356E-06	25.8026619	1.95145E-05	0.000310666	0.000375713
2074 Jun	77.61422729	0.047100008	0.016623775	0.000940254	14.93974972	0.019167189	10.65446091	0.000928907	0.000928907	4.65713E-06	0.006550765	0.001437163	0.012743774	0.029026816	4.67762E-06	24.76593781	2.0943E-05	0.000337916	0.000430188
2074 Jul	77.7183609	0.040838964	0.015433525	0.001009727	13.71493053	0.021654872	12.23079967	0.000994226	0.000994226	4.9882E-06	0.006980869	0.001415703	0.014955457	0.026479648	5.01596E-06	23.19760323	2.17961E-05	0.00031697	0.000376765
2074 Aug	88.11034393	0.04289744	0.016159829	0.001079643	14.33705902	0.024550846	16.43142509	0.001055781	0.001055781	5.305E-06	0.007348562	0.001511893	0.018762009	0.027257185	5.34744E-06	24.74198532	2.26075E-05	0.00032573	0.000383444
2074 Sep	92.64015961	0.06014486	0.013304333	0.001044843	13.59018612	0.030724801	21.63866425	0.001010416	0.001010416	5.09024E-06	0.007453092	0.001415977	0.023462873	0.023178563	5.15227E-06	23.14523888	2.03527E-05	0.000279279	0.000297404
2074 Oct	98.34774017	0.077256344	0.011403366	0.001021092	13.23271084	0.034807801	26.29264832	0.000977998	0.000977998	4.93865E-06	0.007774123	0.001362493	0.027270418	0.020632822	5.01777E-06	22.43025589	1.9932E-05	0.000248371	0.00024388
2074 Nov	114.3749695	0.079106674	0.01207205	0.00102835	13.28018761	0.03507717	34.35790253	0.000969615	0.000969615	4.91501E-06	0.007888364	0.001414477	0.033549469	0.020368548	5.02385E-06	23.94726944	2.11955E-05	0.000246827	0.000245676
2074 Dec	117.3938141	0.079223901	0.012232825	0.001030472	13.29961395	0.035078354	35.84078217	0.000968878	0.000968878	4.91469E-06	0.007908178	0.001425778	0.03470362	0.020365171	5.02898E-06	24.25743103	2.14516E-05	0.000247103	0.000246943
2075 Jan	117.9605484	0.079276606	0.012272319	0.001030853	13.31311131	0.035075098	36.10419083	0.000968762	0.000968762	4.91469E-06	0.007911282	0.001428423	0.034904797	0.020385783	5.02994E-06	24.32818222	2.14979E-05	0.000247335	0.000247555
2075 Feb	118.2507629	0.079323173	0.012303623	0.001031202	13.33051872	0.035071481	36.22147751	0.000968896	0.000968896	4.91562E-06	0.007913103	0.001430433	0.034991704	0.020419667	5.03128E-06	24.37797737	2.15226E-05	0.00024767	0.000248267
2075 Mar	118.5062637	0.07944864	0.012333428	0.001032667	13.35665703	0.035114393	36.30541229	0.000970215	0.000970215	4.92238E-06	0.007923841	0.001433149	0.0350633	0.02046413	5.03832E-06	24.43065834	2.1559E-05	0.000248163	0.000248947
2075 Apr	119.4798508	0.079991594	0.012430384	0.00103969	13.4512949	0.035345525	36.63035583	0.000976667	0.000976667	4.9553E-06	0.007977527	0.001443649	0.035359915	0.020610545	5.07231E-06	24.61831284	2.1718E-05	0.000249925	0.000250867
2075 May	130.9519348	0.078987747	0.01523125	0.001052614	15.06043625	0.032833464	39.38248444	0.000985975	0.000985975	5.007E-06	0.007911079	0.001585854	0.036834545	0.024615074	5.1324E-06	28.08033752	2.31717E-05	0.000289875	0.00033203
2075 Jun	61.58810425	0.024073653	0.008847517	0.000965852	7.600223541	0.021561831	13.37754917	0.000945659	0.000945659	4.75266E-06	0.007213918	0.001006317	0.017927028	0.01363265	4.79227E-06	14.00158215	2.21806E-05	0.000211362	0.000150502
2075 Jul	52.18447876	0.014082298	0.007844567	0.000999753	6.586765289	0.022225508	9.819344521	0.000986095	0.000986095	4.94754E-06	0.007221935	0.000965661	0.015552056	0.01221157	4.97529E-06	12.06448746	2.16613E-05	0.000196107	0.000119571
2075 Aug	58.89287949	0.017337691	0.008038536	0.001033887	7.369557858	0.026503056	12.64307308	0.001015672	0.001015672	5.10113E-06	0.007105877	0.001046352	0.017930726	0.013029435	5.13815E-06	13.32487392	1.97841E-05	0.000194108	0.000123442
2075 Sep	66.75018311	0.02722873	0.008210265	0.001044454	8.183168411	0.029198518	15.91925335	0.001020963	0.001020963	5.13428E-06	0.00726325	0.001096308	0.020629637	0.013641127	5.1822E-06	14.6375246	1.95037E-05	0.000197985	0.00012835
2075 Oct	71.24609375	0.046830982	0.007828727	0.001026782	9.260324478	0.032437816	17.59425163	0.001001353	0.001001353	5.03893E-06	0.00751484	0.001120475	0.021687055	0.014331589	5.09122E-06	15.69388294	1.89911E-05	0.000197325	0.000131861
2075 Nov	74.65097046	0.050396048	0.007913157	0.001029016	9.493255615	0.033097852	19.10738564	0.001001119	0.001001119	5.04097E-06	0.007599899	0.001137806	0.022850767	0.014507303	5.09848E-06	16.18034744	1.91765E-05	0.000198244	0.000134116
2075 Dec	75.61078644	0.050690413	0.007956568	0.001029896	9.517691612	0.033152912	19.5607338	0.001001218	0.001001218	5.04247E-06	0.007612558	0.001142039	0.023204397	0.014526046	5.10162E-06	16.29285431	1.92542E-05	0.000198457	0.000134661
2076 Jan	75.80517578	0.050796188	0.007980309	0.001030038	9.537730217	0.033157773	19.62969398	0.001001251	0.001001251	5.04278E-06	0.007614034	0.001143681	0.023252252	0.014562272	5.10215E-06	16.33476067	1.92671E-05	0.000198776	0.000135346
2076 Feb	75.90009308	0.050879233	0.008007647	0.001030513	9.562904358	0.033163615	19.63690758	0.00100173	0.00100173	5.04516E-06	0.007616429	0.001145514	0.023253484	0.014613303	5.10454E-06	16.37456703	1.92775E-05	0.000199253	0.000136224
2076 Mar	76.03190613	0.050978146	0.008030973	0.001031861	9.586696625	0.033201836	19.66157532	0.001003048	0.001003048	5.0518E-06	0.00762578	0.001147721	0.023278724	0.014656493	5.11123E-06	16.41351509	1.93035E-05	0.000199723	0.000136845
2076 Apr	76.34597015	0.051194608	0.008069398	0.001035877	9.630302429	0.033328187	19.73753548	0.001006957	0.001006957	5.07147E-06	0.007655119	0.001152583	0.023366442	0.014726962	5.13113E-06	16.48717308	1.93791E-05	0.000200618	0.000137624
2076 May	82.06031799	0.055838764	0.01179809	0.001033887	12.52825642	0.030231191	17.75364113	0.001010308	0.001010308	5.08164E-06	0.007469502	0.001332648	0.020594262	0.021444378	5.13057E-06	20.97351074	2.01158E-05	0.000262979	0.000264669
2076 Jun	66.10533905	0.038794275	0.01406217	0.00093806	12.74007511	0.019395439	8.041871071	0.000931868	0.000931868	4.66769E-06	0.006641252	0.001287503	0.011528849	0.024682261	4.68125E-06	20.9919796	2.07175E-05	0.000301673	0.000349788
2076 Jul	62.19010925	0.030362777	0.012174108	0.000985395	10.95944691	0.021524882	8.560565948	0.0009773	0.0009773	4.89734E-06	0.006908615	0.001217052	0.012870826	0.021096852	4.91496E-06	18.39648247	2.09045E-05	0.000269119	0.000278931
2076 Aug	68.21666718	0.032248829	0.012070076	0.001037898	11.34367085	0.025636127	11.34030247	0.001025314	0.001025314	5.14335E-06	0.007037916	0.001278505	0.015632708	0.021122616	5.17062E-06	19.11084938	2.00208E-05	0.000266196	0.000268106
2076 Sep	75.55640411	0.041196395	0.011662625	0.001047924	11.66821671	0.028636968	15.13291073	0.001029268	0.001029268	5.17134E-06	0.007234322	0.001300498	0.018901307	0.020664914	5.21199E-06	19.74067688	1.97689E-05	0.000260293	0.000253552
2076 Oct	75.86580658	0.0644814	0.009562336	0.001006484	11.84378719	0.033292502	16.6007061	0.000986155	0.000986155	4.95856E-06	0.007518053	0.00123902	0.020002268	0.018910646	5.00372E-06	18.99522018	1.84956E-05	0.000233589	0.000209606
2076 Nov	79.36001587	0.06902466	0.009344398	0.001003063	11.92262077	0.034225058	18.50802422	0.000979814	0.000979814	4.93104E-06	0.007609474	0.001243026	0.021495413	0.018635206	4.98303E-06	19.24185562	1.85826E-05	0.000229592	0.000203496
2076 Dec	80.9413681	0.069153279	0.009413692	0.001004264	11.93690777	0.034247588	19.27775192	0.000979778	0.000979778	4.9326E-06	0.007623414	0.001249304	0.022097087	0.018640757	4.98741E-06	19.4094162	1.87196E-05	0.000229806	0.000204196
2077 Jan	81.26378632	0.069211677	0.009437647	0.00100444	11.94972897	0.034247138	19.42006874	0.000979732	0.000979732	4.93268E-06	0.007625242	0.001251074	0.022203946	0.018663114	4.988E-06	19.45611763	1.87448E-05	0.000230025	0.00020472
2077 Feb	81.31768799	0.069256306	0.009455926	0.001004604	11.9657135	0.03424456	19.42167282	0.000979903	0.000979903	4.93353E-06	0.007625537	0.001252178	0.022200711	0.018696787	4.98883E-06	19.48143578	1.8749E-05	0.000230331	0.000205322
2077 Mar	81.38117218	0.06930811	0.009469736	0.001005092	11.97918797	0.034256697	19.43115425	0.000980383	0.000980383	4.93594E-06	0.007628727	0.001253284	0.022208447	0.018722575	4.99126E-06	19.50316429	1.87589E-05	0.000230589	0.000205733
2077 Apr	81.77925873	0.06964694	0.009519833	0.001009854	12.04033947	0.034416467	19.52261925	0.000985032	0.000985032	4.95934E-06	0.007664576	0.001259503	0.022311442	0.018820873	5.01492E-06	19.60247993	1.88481E-05	0.000231766	0.000206886
2077 May	85.75556183	0.069735408	0.012333106	0.001012168	13.95822525	0.031573348	18.08782959	0.000990851	0.000990851	4.98385E-06	0.007500386	0.001388115	0.020339601	0.023575826	5.03198E-06	22.73506737	1.9577E-05	0.000277242	0.000298819
2077 Jun	70.73753357	0.040243607	0.014219597	0.000957889	12.88868141	0.020091126	10.06939602	0.000949365	0.000949365	4.75963E-06	0.006825917	0.001317315	0.013281619	0.024827473	4.78045E-06	21.56193161	2.13911E-05	0.000304725	0.000351252
2077 Jul	70.99097443	0.033349868	0.013033777	0.001028657	11.54255676	0.021825373	11.67597675	0.00101702	0.00101702	5.10258E-06	0.007361672	0.001287472	0.015657021	0.022130055	5.131E-06	19.92105103	2.29612E-05	0.00028721	0.000297023
2077 Aug	76.22808838	0.035508588	0.012974488	0.001077425	11.96604729	0.025508014	13.93246841	0.001062674	0.001062674	5.33558E-06	0.007508302	0.001344454	0.018009575	0.022277139	5.3717E-06	20.63118172	2.22531E-05	0.000287136	0.000289098
2077 Sep	72.1941452	0.060861014	0.009266548	0.001003468	11.7907877	0.033833157	14.88362312	0.000987945	0.000987945	4.96375E-06	0.007293598	0.001218514	0.019135607	0.018623702	5.00281E-06	18.55246162	1.71526E-05	0.000235164	0.000201375
2077 Oct	77.28569031	0.07524734	0.008402761	0.000993937	12.0411911	0.036524739	17.8321209	0.00097466	0.00097466	4.90356E-06	0.007618994	0.001217157	0.021339322	0.017991969	4.95275E-06	18.81259537	1.73461E-05	0.000223337	0.000184159
2077 Nov	80.32865906	0.075906508	0.008514364	0.000998043	12.09752941	0.036697026	19.27400398	0.000976743	0.000976743	4.91719E-06	0.007668265	0.001231123	0.022481104	0.018035818	4.97162E-06	19.1567173	1.76349E-05	0.000224048	0.000185562
2077 Dec	81.01435089	0.076012112	0.008541065	0.000998859	12.1080513	0.036724508	19.60070419	0.000977102	0.000977102	4.91971E-06	0.007677705	0.001234189	0.022738939	0.018044658	4.97533E-06	19.23337936	1.7699E-05	0.000224206	0.000185902
2078 Jan	81.22570038	0.076067083	0.008559278	0.000999123	12.12046719	0.036728293	19.68702316	0.00097725	0.00097725	4.92064E-06	0.007680046	0.001235639	0.022803646	0.018067619	4.97656E-06	19.26882172	1.77179E-05	0.00022443	0.000186368
2078 Feb	81.28430176	0.076107174	0.008576189	0.000999319	12.13491917	0.036726899	19.69310188	0.000977445	0.000977445	4.92162E-06	0.007680701	0.001236693	0.0228047	0.018097993	4.97754E-06	19.2926445	1.77235E-05	0.000224709	0.00018691
2078 Mar	81.33293152	0.07614889	0.008587462	0.000999685	12.14594936	0.036735773	19.69932747	0.000977808	0.000977808	4.92344E-06	0.007683039	0.001237574	0.022809498	0.018119274	4.97937E-06	19.31019592	1.77307E-05	0.00022492	0.000187253
2078 Apr	82.06076813	0.076818995	0.008667207	0.001008382	12.25538254	0.037052464	19.87486458	0.00098631	0.00098631	4.96626E-06	0.007749624	0.001248618	0.023009524	0.018285256	5.02269E-06	19.48514938	1.78862E-05	0.00022695	0.000189043
2078 May	91.04665375	0.071951345	0.015505446	0.000992391	16.38405418	0.028314132	16.69327354	0.00097722	0.00097722	4.91083E-06	0.007163184	0.001534066	0.018160138	0.029291414	4.95104E-06	26.62706947	1.97911E-05	0.000331083	0.000409716
2078 Jun	80.64300537	0.052736469	0.017668128	0.000944481	16.30099106	0.019568834	10.17881107	0.000938699	0.000938699	4.70392E-06	0.006545565	0.001521186	0.011985024	0.031756781	4.72086E-06	26.71610641	2.07868E-05	0.000360713	0.000476657
2078 Jul	82.59028625	0.048527647	0.016903732	0.0010124	15.64791203	0.02245211	11.94496918	0.001004074	0.001004074	5.03522E-06	0.006893745	0.00153928	0.014075325	0.030365964	5.05936E-06	26.02416801	2.12292E-05	0.000346662	0.000442971
2078 Aug	82.80198669	0.042779803	0.014633548	0.00103585	14.24593163	0.027675699	14.96665001	0.001023148	0.001023148	5.13835E-06	0.006649139	0.001495256	0.0170951	0.026853114	5.17512E-06	24.01411057	1.83507E-05	0.000300231	0.00036821
2078 Sep	90.93526459	0.048280049	0.013407518	0.001041681	13.89223671	0.031285882	20.2461834	0.001022313	0.001022313	5.14635E-06	0.006766677	0.001476867	0.022082431	0.024731936	5.20291E-06	23.83150482	1.75972E-05	0.000283317	0.000323627
2078 Oct	98.00345612	0.060322855	0.01211856	0.001023599	13.56423473	0.033391055	24.9566803	0.000998668	0.000998668	5.03884E-06	0.007107824	0.001444732	0.025905466	0.022910928	5.11282E-06	23.61734962	1.82348E-05	0.000264815	0.000288721
2078 Nov	99.99874878	0.063442931	0.011840271	0.001022447	13.5275135	0.034010835	26.16370583	0.000996146	0.000996146	5.02893E-06	0.007213414	0.001441418	0.026903991	0.022541571	5.10732E-06	23.63713455	1.84451E-05	0.000261161	0.000281139
2078 Dec	100.7042084	0.063555539	0.011856978	0.001022952	13.532547	0.034034993	26.50967216	0.00099624	0.00099624	5.03019E-06	0.007222526	0.001444125	0.027176788	0.022538746	5.10983E-06	23.7094059	1.85102E-05	0.000261214	0.000281305
2079 Jan	101.5224533	0.063606881	0.011889633	0.001023061	13.5413723	0.034025412	26.90394783	0.000995881	0.000995881	5.02928E-06	0.007226971	0.001447429	0.027479436	0.022551648	5.11037E-06	23.80199814	1.8579E-05	0.000261404	0.000281918
2079 Feb	101.7185211	0.063639961	0.011909047	0.001023085	13.55348873	0.034016117	26.98259163	0.000995816	0.000995816	5.02912E-06	0.007227208	0.001448764	0.027535573	0.022577096	5.11049E-06	23.83721924	1.85945E-05	0.000261646	0.000282469
2079 Mar	101.9095154	0.063712671	0.011929762	0.001023975	13.57173634	0.034040287	27.04701996	0.000996636	0.000996636	5.03336E-06	0.007233525	0.001450724	0.027588561	0.022610381	5.11494E-06	23.87656975	1.86187E-05	0.000262002	0.000283012
2079 Apr	102.4791946	0.064037368	0.011994866	0.001029037	13.64249039	0.034205303	27.20781136	0.001001532	0.001001532	5.05814E-06	0.007269324	0.001458319	0.027744379	0.022729874	5.14022E-06	24.00595093	1.87159E-05	0.000263371	0.000284583
2079 May	104.3513489	0.065398812	0.012711659	0.001046121	14.22765827	0.034165479	27.09517097	0.001019033	0.001019033	5.14496E-06	0.007375024	0.001503379	0.027602993	0.023995455	5.22591E-06	24.92973518	1.92152E-05	0.000276528	0.000306403
2079 Jun	53.75785828	0.021509478	0.009184841	0.000942629	8.095799446	0.019966438	8.508358955	0.00093613	0.00093613	4.69361E-06	0.006922782	0.001012359	0.013675437	0.015319934	4.71469E-06	14.15192127	2.12693E-05	0.000224988	0.000181707
2079 Jul	52.10433578	0.014775694	0.008000111	0.000982265	7.006577015	0.022041436	9.249546051	0.000974601	0.000974601	4.88842E-06	0.007031062	0.000988558	0.014751581	0.013240095	4.91347E-06	12.66817665	2.09702E-05	0.000201524	0.000138567
2079 Aug	60.39200592	0.016565783	0.008147869	0.001031472	7.65819931	0.02639436	12.87301254	0.00102002	0.00102002	5.12309E-06	0.007030751	0.001085695	0.017737659	0.014046581	5.16047E-06	14.01994228	1.96795E-05	0.00019839	0.000142323
2079 Sep	67.78542328	0.046861827	0.007314821	0.001002897	9.401956558	0.032538489	15.77927399	0.000989262	0.000989262	4.97416E-06	0.00729933	0.001118687	0.019995328	0.014837734	5.01944E-06	15.64926052	1.78975E-05	0.000197042	0.000139629
2079 Oct	72.19654083	0.066013388	0.00680543	0.000984338	10.34919834	0.035575382	17.5433197	0.000969467	0.000969467	4.87818E-06	0.00758161	0.001135347	0.021178152	0.015302796	4.92833E-06	16.56284142	1.75874E-05	0.000195569	0.000139729
2079 Nov	72.30654144	0.073796667	0.006561622	0.000979264	10.74864674	0.036899343	17.38727951	0.000964885	0.000964885	4.8545E-06	0.007704547	0.001138129	0.021004623	0.015525986	4.90339E-06	16.77843094	1.7356E-05	0.000195292	0.000139218
2079 Dec	72.31824493	0.079186864	0.006392723	0.000976161	11.02776623	0.037828162	17.24096107	0.000962175	0.000962175	4.84032E-06	0.007791983	0.001140164	0.020858303	0.015685657	4.8882E-06	16.92384911	1.71959E-05	0.000195168	0.000138868
2080 Jan	72.5135498	0.07927271	0.006423559	0.000976217	11.05279541	0.03781959	17.30040169	0.000962178	0.000962178	4.84045E-06	0.007791976	0.001142154	0.020895468	0.015737021	4.88852E-06	16.9744339	1.72087E-05	0.000195629	0.000139858
2080 Feb	72.63867188	0.079339571	0.006463265	0.000976375	11.08444118	0.037802797	17.31225395	0.000962335	0.000962335	4.84124E-06	0.007790883	0.001144376	0.02089346	0.015806189	4.88931E-06	17.02775764	1.72169E-05	0.000196254	0.000141145
2080 Mar	72.7004776	0.079380184	0.00648488	0.00097651	11.10220814	0.037795782	17.31467438	0.000962474	0.000962474	4.84193E-06	0.007790646	0.001145607	0.020889638	0.015844608	4.88999E-06	17.05659485	1.72214E-05	0.000196603	0.000141848
2080 Apr	72.97687531	0.079668365	0.006518595	0.000979851	11.14925766	0.037918296	17.37330818	0.000965771	0.000965771	4.85851E-06	0.007816565	0.001150121	0.020956891	0.015919046	4.90672E-06	17.12961006	1.72814E-05	0.000197455	0.000142714
2080 May	74.94548798	0.081270717	0.006824095	0.001001053	11.48727798	0.0385525	17.76425171	0.000986688	0.000986688	4.96371E-06	0.007973867	0.001182333	0.021374499	0.016514303	5.01291E-06	17.68306351	1.77098E-05	0.000204182	0.000150859
2080 Jun	51.25149918	0.03082482	0.007047266	0.000965834	7.475009918	0.02456646	8.884842873	0.00095944	0.00095944	4.81124E-06	0.007351802	0.000956775	0.01472234	0.012749128	4.83405E-06	12.50432301	2.07181E-05	0.000198073	0.000120859
2080 Jul	47.14162827	0.015776722	0.006842592	0.000984495	6.600201607	0.024453972	7.866528034	0.000978951	0.000978951	4.9072E-06	0.006949306	0.000956206	0.013752916	0.01207123	4.92743E-06	11.47922421	1.94018E-05	0.000181766	0.000109622
2080 Aug	52.8014946	0.018359022	0.006810202	0.001013117	7.430555344	0.029550126	10.31717777	0.001005427	0.001005427	5.04435E-06	0.006653456	0.001042701	0.01569234	0.012997508	5.07234E-06	12.69479752	1.64628E-05	0.000174904	0.000113238

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Sep	59.7687149	0.037522554	0.00659223	0.000999114	8.9678936	0.03433004	12.7734127	0.000989636	0.000989636	4.96964E-06	0.006693912	0.001082139	0.018041519	0.013908306	5.00453E-06	14.34313774	1.44789E-05	0.00018311	0.000116374
2080 Oct	67.36334991	0.059787314	0.006298832	0.000982838	10.05589867	0.036822386	15.78910828	0.000971022	0.000971022	4.88226E-06	0.007191004	0.001113543	0.020086236	0.014676643	4.9264E-06	15.74180603	1.53665E-05	0.000186353	0.000124111
2080 Nov	70.09806824	0.071847521	0.006114114	0.000976944	10.66470718	0.038287196	16.69502068	0.000964672	0.000964672	4.85193E-06	0.007469992	0.001128078	0.020656928	0.015131078	4.89837E-06	16.3782177	1.57553E-05	0.000188485	0.000127867
2080 Dec	71.59631348	0.072734259	0.006138462	0.000977229	10.71500492	0.038396873	17.39299774	0.000964318	0.000964318	4.85169E-06	0.007500759	0.001134459	0.021193137	0.015171903	4.90062E-06	16.56369972	1.58998E-05	0.000188879	0.000128814
2081 Jan	71.76753998	0.072817586	0.006162291	0.000977422	10.73525143	0.03839545	17.44709969	0.000964466	0.000964466	4.85254E-06	0.00750254	0.001136154	0.021229513	0.01521232	4.90165E-06	16.60531616	1.59154E-05	0.000189255	0.000129577
2081 Feb	71.84122467	0.07287059	0.006190447	0.00097753	10.75815964	0.038383134	17.44730377	0.000964582	0.000964582	4.8531E-06	0.007501884	0.001137691	0.021221461	0.015262322	4.90218E-06	16.64211845	1.59209E-05	0.000189706	0.0001305
2081 Mar	71.9095459	0.072927989	0.006208267	0.00097797	10.77488804	0.038391348	17.4542141	0.000965021	0.000965021	4.85529E-06	0.007504449	0.001138975	0.02122532	0.015295631	4.90438E-06	16.66874313	1.593E-05	0.000190027	0.000131056
2081 Apr	72.40673828	0.073359348	0.006272659	0.000983096	10.85552979	0.038573265	17.56711006	0.000970066	0.000970066	4.88071E-06	0.007542332	0.001146686	0.021343026	0.015429536	4.9301E-06	16.79987907	1.60216E-05	0.000191507	0.000132778
2081 May	82.51257324	0.07115417	0.013587585	0.000987207	15.39914036	0.030209387	14.23506546	0.000978904	0.000978904	4.91429E-06	0.007145148	0.001455337	0.016570034	0.027045742	4.94643E-06	24.44288826	1.84878E-05	0.000305249	0.000362008
2081 Jun	79.97445679	0.054457556	0.01710479	0.000955917	16.17341614	0.02091793	10.15947914	0.000951769	0.000951769	4.76925E-06	0.006664953	0.001514443	0.012208814	0.031220945	4.78616E-06	26.35847855	2.06219E-05	0.000355014	0.000462449
2081 Jul	84.14168549	0.05359076	0.01727937	0.001031357	16.27466774	0.022816438	11.62063313	0.001025883	0.001025883	5.14303E-06	0.007192975	0.001572232	0.014034614	0.031379569	5.16516E-06	26.830616	2.21713E-05	0.000361873	0.000458047
2081 Aug	91.36142731	0.055583365	0.017640432	0.00109659	16.85173035	0.02572979	14.26537609	0.001088859	0.001088859	5.46341E-06	0.007553304	0.001655486	0.016675984	0.032133225	5.49449E-06	28.04539108	2.27425E-05	0.000370826	0.000462725
2081 Sep	93.41465759	0.059666835	0.015318168	0.001080136	15.82861137	0.029813372	17.81328392	0.001068966	0.001068966	5.37264E-06	0.00748208	0.001577433	0.02023655	0.028640859	5.41785E-06	26.42312813	2.07707E-05	0.000335306	0.000391843
2081 Oct	97.56880188	0.067137502	0.013935266	0.00106305	15.30814934	0.031808197	21.27992249	0.001048824	0.001048824	5.28E-06	0.007652851	0.001539018	0.023080548	0.026735168	5.33834E-06	25.82303047	2.07264E-05	0.000314019	0.000355098
2081 Nov	96.22219086	0.074178733	0.012318265	0.001036971	14.66582966	0.033616323	22.24237251	0.001021964	0.001021964	5.14819E-06	0.007738932	0.001470749	0.02392967	0.024618853	5.21058E-06	24.52947807	2.01149E-05	0.000289737	0.000313268
2081 Dec	96.03449249	0.075311378	0.012099202	0.001034741	14.59499168	0.033930272	22.34693146	0.001019665	0.001019665	5.13696E-06	0.007762323	0.001462577	0.024035644	0.02434996	5.19977E-06	24.36512566	2.0045E-05	0.000286647	0.000307626
2082 Jan	96.22377014	0.075392693	0.012114876	0.001034693	14.60927868	0.03393108	22.42177391	0.001019558	0.001019558	5.13658E-06	0.007762969	0.001463913	0.024087911	0.024376646	5.19965E-06	24.4008007	2.00566E-05	0.000286867	0.000308165
2082 Feb	96.31985474	0.075460322	0.012144409	0.001034871	14.63427448	0.033923689	22.43045998	0.001019737	0.001019737	5.13748E-06	0.007762836	0.001465655	0.024086505	0.024429796	5.20055E-06	24.44185829	2.0063E-05	0.000287343	0.000309134
2082 Mar	96.42386627	0.075545825	0.012168071	0.001035633	14.65730762	0.033941623	22.44452667	0.001020494	0.001020494	5.14128E-06	0.007767707	0.001467509	0.024097288	0.024474477	5.20437E-06	24.47888947	2.00786E-05	0.000287785	0.000309856
2082 Apr	96.82050323	0.075859353	0.012224237	0.001039696	14.72183704	0.034070726	22.53086662	0.001024501	0.001024501	5.16146E-06	0.007797689	0.001473708	0.024187597	0.024585798	5.22478E-06	24.58577156	2.01578E-05	0.000289047	0.000311355
2082 May	98.71807861	0.077313676	0.012475135	0.001059625	15.01461697	0.034706865	22.96473122	0.001044141	0.001044141	5.2604E-06	0.007946216	0.001502735	0.024647526	0.025083454	5.32494E-06	25.07639122	2.05498E-05	0.000294837	0.000317847
2082 Jun	58.38796997	0.025902264	0.008226792	0.000960824	7.836864471	0.022351056	11.45234394	0.000953776	0.000953776	4.78859E-06	0.007211758	0.001012136	0.016452193	0.014136112	4.82063E-06	14.00783634	2.15849E-05	0.000214628	0.000154933
2082 Jul	45.55937576	0.011575841	0.006949923	0.000977854	6.194807053	0.022122527	7.163865566	0.000974186	0.000974186	4.88222E-06	0.007020182	0.000926048	0.013370857	0.011691075	4.90057E-06	11.06461239	2.05876E-05	0.000187417	0.000109017
2082 Aug	51.72440338	0.015968086	0.007126003	0.001022106	7.114158154	0.026475811	9.351937294	0.001017029	0.001017029	5.10059E-06	0.007055752	0.001010334	0.015501208	0.012701352	5.12572E-06	12.41345978	1.9168E-05	0.000191931	0.000114608
2082 Sep	56.98135376	0.028717749	0.006999384	0.00102776	8.14966011	0.030058153	11.21029758	0.001021601	0.001021601	5.12672E-06	0.00718523	0.001055681	0.017125214	0.013501067	5.15714E-06	13.62259007	1.81759E-05	0.000195967	0.000118824
2082 Oct	63.0391922	0.062281694	0.006117696	0.000975569	9.84664917	0.034920841	13.55142117	0.000968335	0.000968335	4.86389E-06	0.007504829	0.001076964	0.01828381	0.014521314	4.90002E-06	15.15671253	1.70642E-05	0.000191229	0.000124292
2082 Nov	67.35600281	0.064375199	0.006175136	0.000977665	9.98795414	0.035315119	15.56087208	0.000968989	0.000968989	4.87158E-06	0.007579043	0.001097246	0.01984518	0.014650229	4.91488E-06	15.69746971	1.74006E-05	0.000192322	0.000126983
2082 Dec	68.985466	0.064484224	0.006209226	0.000978264	9.999146461	0.035333116	16.35161018	0.000969008	0.000969008	4.87345E-06	0.007593513	0.001103949	0.020462353	0.014663644	4.91965E-06	15.87525177	1.75434E-05	0.000192617	0.000127844
2083 Jan	69.16386414	0.064549789	0.00622568	0.000978438	10.01357174	0.035336629	16.41860962	0.000969136	0.000969136	4.87423E-06	0.00759535	0.001105376	0.020511054	0.014691402	4.92066E-06	15.91027927	1.75581E-05	0.000192877	0.000128379
2083 Feb	69.24284363	0.064615451	0.006246673	0.000978914	10.03309917	0.035344761	16.42640114	0.000969612	0.000969612	4.87662E-06	0.007598035	0.00110686	0.020514909	0.014730526	4.92304E-06	15.94141674	1.75682E-05	0.000193251	0.000129038
2083 Mar	69.34161377	0.064703643	0.006263191	0.000979967	10.05189037	0.035377823	16.44374466	0.000970657	0.000970657	4.88186E-06	0.007605651	0.001108565	0.020533461	0.014763827	4.92833E-06	15.97128773	1.75879E-05	0.000193612	0.000129502
2083 Apr	69.74095917	0.06507384	0.00630361	0.000985412	10.11232281	0.035571534	16.53499985	0.000976051	0.000976051	4.90899E-06	0.007647588	0.001115019	0.02064559	0.01485586	4.95571E-06	16.06733704	1.76861E-05	0.000194775	0.000130409
2083 May	84.11328888	0.066292122	0.011646608	0.000992166	13.63255119	0.030630134	17.5170002	0.000983197	0.000983197	4.9445E-06	0.007399917	0.001373134	0.019850865	0.023402786	4.99087E-06	22.4535656	1.95243E-05	0.000276585	0.00029836
2083 Jun	74.57201385	0.043572031	0.0151358	0.000936359	13.92560101	0.019402172	10.51537228	0.000932739	0.000932739	4.67669E-06	0.006633302	0.001380335	0.013033763	0.027101902	4.69782E-06	23.31722641	2.10584E-05	0.000322251	0.000394837
2083 Jul	69.70585632	0.032979153	0.012593201	0.000983033	11.70329857	0.022371687	11.36759567	0.000978427	0.000978427	4.90867E-06	0.006812965	0.001292885	0.014678726	0.022639222	4.93554E-06	20.09010315	2.0585E-05	0.000277236	0.000306563
2083 Aug	67.18165588	0.026860509	0.009974037	0.001007328	10.51877022	0.029909793	13.2228775	0.001001411	0.001001411	5.0284E-06	0.006250002	0.001272793	0.016400926	0.019559707	5.0631E-06	18.01834869	1.54491E-05	0.000219554	0.000232599
2083 Sep	73.73440552	0.050037991	0.00855339	0.000990731	11.07151222	0.034013279	16.76833916	0.00098286	0.00098286	4.94296E-06	0.006802913	0.001250483	0.019673076	0.018466996	4.98957E-06	18.37487793	1.5706E-05	0.000212139	0.00020222
2083 Oct	74.37794495	0.078118883	0.006792848	0.000959656	11.60945034	0.037878763	17.54671478	0.00095169	0.00095169	4.78808E-06	0.007457551	0.001192306	0.020519182	0.017239828	4.83627E-06	18.02410698	1.60444E-05	0.00020081	0.000167801
2083 Nov	76.48899078	0.083674528	0.006477733	0.000953958	11.71921062	0.0386407	18.67266464	0.000945406	0.000945406	4.75906E-06	0.007601421	0.001188697	0.021444974	0.017004533	4.81113E-06	18.16513634	1.62853E-05	0.00019887	0.000161978
2083 Dec	77.71681976	0.083750762	0.006496607	0.000954306	11.72473049	0.038651567	19.27156639	0.000945395	0.000945395	4.76035E-06	0.007612792	0.001193596	0.021913584	0.017010026	4.81462E-06	18.29656982	1.63957E-05	0.000199073	0.000162554
2084 Jan	77.76737213	0.083800964	0.006513024	0.000954415	11.73936272	0.038648456	19.27401543	0.000945506	0.000945506	4.7609E-06	0.007613195	0.001194556	0.021911308	0.017040128	4.81516E-06	18.31956842	1.64002E-05	0.00019935	0.000163095
2084 Feb	77.8339386	0.083846591	0.006537148	0.000954611	11.7591629	0.038641587	19.27525902	0.000945705	0.000945705	4.76189E-06	0.007613301	0.001195932	0.02190648	0.017082773	4.81613E-06	18.3513546	1.64061E-05	0.000199744	0.000163869
2084 Mar	77.94760895	0.083954938	0.006556717	0.00095567	11.78160477	0.038676437	19.29516983	0.000946757	0.000946757	4.76717E-06	0.007620957	0.001197869	0.021925732	0.017122881	4.82146E-06	18.38685608	1.64257E-05	0.000200156	0.000164451
2084 Apr	78.62463379	0.084672049	0.006619041	0.000963736	11.88631821	0.038998306	19.45906639	0.000954748	0.000954748	4.80741E-06	0.007684853	0.001208337	0.022109404	0.01727929	4.86215E-06	18.55094719	1.65654E-05	0.000201953	0.000166065
2084 May	88.98009491	0.077185333	0.01381095	0.000975527	15.95392418	0.030345235	16.78436089	0.000968992	0.000968992	4.86996E-06	0.007235783	0.00150048	0.018155308	0.028068252	4.91062E-06	25.72430992	1.90578E-05	0.00031142	0.000382064
2084 Jun	75.87067413	0.048138984	0.015918426	0.000930962	14.85553646	0.019638004	9.961971283	0.000928257	0.000928257	4.65228E-06	0.006552553	0.001427759	0.012219127	0.028869331	4.67017E-06	24.51707458	2.06192E-05	0.00033507	0.000425249
2084 Jul	74.19133759	0.040286433	0.014203544	0.000988134	13.31591606	0.0222074	11.20752716	0.000984437	0.000984437	4.93711E-06	0.006863913	0.001385545	0.014118762	0.025782229	4.96139E-06	22.44176102	2.09185E-05	0.000306409	0.000362244
2084 Aug	77.32672119	0.039900936	0.013178221	0.001021152	13.07331944	0.02645844	13.63869095	0.001016063	0.001016063	5.10084E-06	0.006840513	0.00140026	0.016671225	0.024544481	5.13422E-06	22.12996674	1.92647E-05	0.000289675	0.000328984
2084 Sep	80.75382996	0.049276043	0.011136939	0.001003876	12.64776134	0.03098624	17.09930229	0.000996867	0.000996867	5.01286E-06	0.006859974	0.001346238	0.020116389	0.021953398	5.05923E-06	21.23859978	1.73968E-05	0.000263398	0.000272225
2084 Oct	81.17128754	0.070559472	0.008856836	0.000976647	12.45480824	0.035066616	18.83002853	0.000968882	0.000968882	4.87659E-06	0.007349615	0.001277588	0.021574223	0.019727897	4.92891E-06	20.1671524	1.72307E-05	0.000235742	0.000221156
2084 Nov	81.34321594	0.076546915	0.008238863	0.000970705	12.42107391	0.036251519	19.30227661	0.000962757	0.000962757	4.84695E-06	0.007496267	0.001260402	0.02198402	0.019144256	4.90086E-06	19.89558792	1.7206E-05	0.000228471	0.000207356
2084 Dec	82.3188324	0.076643907	0.00825003	0.000971175	12.4270668	0.036275536	19.77646828	0.000962975	0.000962975	4.8491E-06	0.00750751	0.001264443	0.022356773	0.019149268	4.90475E-06	20.00055695	1.72953E-05	0.000228627	0.000207767
2085 Jan	82.9817276	0.07667622	0.008270093	0.000971099	12.43667221	0.036263794	20.08934975	0.000962733	0.000962733	4.84859E-06	0.007510589	0.001267422	0.022595106	0.019170519	4.90538E-06	20.08194923	1.73504E-05	0.000228874	0.000208459
2085 Feb	83.12055206	0.076719165	0.008291275	0.000971277	12.45350075	0.036258925	20.13121223	0.000962892	0.000962892	4.84947E-06	0.00751136	0.001268906	0.022622775	0.019206496	4.9064E-06	20.1173687	1.73624E-05	0.000229212	0.000209144
2085 Mar	83.17848969	0.076766908	0.008304773	0.000971676	12.46656704	0.036267929	20.13878822	0.000963289	0.000963289	4.85146E-06	0.007513852	0.001269943	0.022628175	0.019232038	4.9084E-06	20.13838196	1.73707E-05	0.000229462	0.000209562
2085 Apr	83.56230164	0.077118739	0.00834758	0.000976011	12.52673531	0.036426406	20.22779655	0.000967588	0.000967588	4.87311E-06	0.007547035	0.0012759	0.022726567	0.019327935	4.93029E-06	20.23542595	1.74487E-05	0.000230574	0.000210686
2085 May	92.25384521	0.073128991	0.014433221	0.000980229	16.0982914	0.029242584	17.86516953	0.000973803	0.000973803	4.89647E-06	0.007174198	0.001526808	0.019088747	0.028676134	4.94111E-06	26.41547012	1.95038E-05	0.000322125	0.000397055
2085 Jun	86.8131485	0.058295902	0.017659355	0.000972047	16.89543533	0.021686208	12.46988773	0.000968704	0.000968704	4.85856E-06	0.006816223	0.001581868	0.013967773	0.032540381	4.883E-06	27.86521912	2.12004E-05	0.000367482	0.000484809
2085 Jul	88.2747879	0.052574012	0.016525893	0.001025585	15.98594666	0.02458521	14.50636482	0.001021081	0.001021081	5.12565E-06	0.00701148	0.001585823	0.016140958	0.030720323	5.15857E-06	26.86350441	2.10644E-05	0.000345974	0.000444452
2085 Aug	86.76786041	0.046546776	0.013265992	0.001017086	14.06627941	0.030035464	17.72710228	0.001010727	0.001010727	5.08254E-06	0.00658249	0.001477287	0.019764315	0.025648532	5.12954E-06	23.91558647	1.71699E-05	0.000290118	0.000342028
2085 Sep	86.21286774	0.064902082	0.009550037	0.000979843	12.91193199	0.035616491	20.7172184	0.000972096	0.000972096	4.89669E-06	0.006947196	0.001335166	0.023063522	0.020794889	4.95557E-06	21.35663795	1.5804E-05	0.000243457	0.000240943
2085 Oct	88.04439545	0.079295635	0.007933493	0.000959202	12.579072	0.037677221	22.81477737	0.000950634	0.000950634	4.7941E-06	0.007388504	0.001283355	0.024732858	0.019021023	4.86065E-06	20.60380936	1.65151E-05	0.000223957	0.000204422
2085 Nov	88.45825195	0.084549449	0.007332573	0.000951336	12.45262241	0.038425885	23.46402168	0.000942554	0.000942554	4.75517E-06	0.007546715	0.001263072	0.02525029	0.018363221	4.8241E-06	20.29667854	1.675E-05	0.000216699	0.000190825
2085 Dec	89.19592285	0.084623091	0.007337027	0.000951533	12.45455551	0.038439125	23.82648659	0.000942586	0.000942586	4.75614E-06	0.007555048	0.001265942	0.025534328	0.018362638	4.8264E-06	20.37345695	1.68189E-05	0.000216774	0.00019108
2086 Jan	89.30586243	0.084671058	0.007353781	0.000951613	12.4685297	0.038433999	23.85915756	0.000942654	0.000942654	4.75655E-06	0.007555734	0.001267102	0.025554908	0.018392114	4.82691E-06	20.40212631	1.6829E-05	0.000217045	0.000191644
2086 Feb	89.36262512	0.08470881	0.007377787	0.000951712	12.48746204	0.038422532	23.85694695	0.000942757	0.000942757	4.75704E-06	0.007555042	0.001268374	0.025546268	0.018433992	4.82737E-06	20.43234825	1.68334E-05	0.000217424	0.000192419
2086 Mar	89.44506073	0.084769741	0.007394514	0.00095222	12.50374603	0.038434546	23.87147903	0.000943262	0.000943262	4.75958E-06	0.007558328	0.001269707	0.025557134	0.018465647	4.82995E-06	20.4595108	1.68445E-05	0.000217735	0.000192938
2086 Apr	90.01161194	0.085295349	0.007446922	0.000958024	12.58545876	0.038663916	24.01874542	0.000949011	0.000949011	4.78859E-06	0.007603974	0.001277827	0.025711892	0.018590683	4.85939E-06	20.59367371	1.69486E-05	0.000219174	0.000194353
2086 May	94.17307281	0.083799407	0.009897563	0.000976007	14.0474844	0.036270119	23.28013611	0.000967598	0.000967598	4.87888E-06	0.007573795	0.001389399	0.024581801	0.02235312	4.94537E-06	23.14467812	1.80738E-05	0.000257279	0.000267411
2086 Jun	65.69725037	0.035078932	0.01208589	0.000941632	11.24431229	0.020262012	9.992253304	0.000938991	0.000938991	4.70879E-06	0.00684634	0.00121285	0.013735489	0.021542149	4.73129E-06	19.11419868	2.12179E-05	0.000276261	0.000292493
2086 Jul	62.81167984	0.024154171	0.009972355	0.001003844	9.200339317	0.022640206	11.24333763	0.001000387	0.001000387	5.02012E-06	0.007198376	0.001147044	0.015826961	0.017580129	5.04968E-06	16.37105751	2.17587E-05	0.000241101	0.000214391
2086 Aug	70.70843506	0.025556611	0.009140384	0.001024072	9.445375443	0.028110495	15.76742744	0.00101876	0.00101876	5.12188E-06	0.006905538	0.001206083	0.019629903	0.017169597	5.16753E-06	17.0675087	1.88217E-05	0.000223025	0.000195096
2086 Sep	76.40260315	0.046250679	0.007635979	0.000991916	10.38023949	0.034458026	18.97846985	0.000985555	0.000985555	4.96217E-06	0.006850924	0.001196578	0.022732465	0.016377788	5.01809E-06	17.65266037	1.57228E-05	0.000211113	0.000164532
2086 Oct	84.44435883	0.059378896	0.007188138	0.000983995	10.8266077	0.036174923	22.81620407	0.000976224	0.000976224	4.92364E-06	0.007215245	0.001221941	0.025568919	0.0164466	4.99278E-06	18.60913277	1.66499E-05	0.000208903	0.000163245
2086 Nov	86.48052216	0.059896264	0.007217277	0.000986965	10.87285423	0.036323793	23.7545414	0.000978824	0.000978824	4.93872E-06	0.007257908	0.00123258	0.026320066	0.016505636	5.01124E-06	18.85805321	1.68631E-05	0.000209734	0.000164521
2086 Dec	87.59203339	0.059978798	0.00722814	0.000987157	10.8779583	0.03633444	24.29619026	0.000978799	0.000978799	4.93982E-06	0.007268487	0.001237078	0.026742315	0.016512856	5.01432E-06	18.97832489	1.69635E-05	0.000209917	0.000165079
2087 Jan	87.73229218	0.0600283	0.007238626	0.000987214	10.88753605	0.036334366	24.35136032	0.000978836	0.000978836	4.94012E-06	0.007269912	0.001238091	0.026782164	0.016531792	5.01481E-06	19.00411224	1.69763E-05	0.000210093	0.00016546
2087 Mar	87.79790497	0.060078882	0.007254551	0.000987583	10.90235806	0.036340777	24.36003304	0.000979203	0.000979203	4.94196E-06	0.007272076	0.001239241	0.026787313	0.016561454	5.01667E-06	19.02831268	1.69846E-05	0.000210378	0.000165961
2087 Mar	87.92899323	0.060173579	0.007271321	0.000988887	10.9226265	0.036384847	24.39061356	0.000980497	0.000980497	4.94849E-06	0.007281354	0.001241242	0.02681897	0.01659614	5.02328E-06	19.06248665	1.70079E-05	0.000210768	0.000166419
2087 Apr	88.20975494	0.060368702	0.00729794	0.000991949	10.95980358	0.036495302	24.46514511	0.000983534	0.000983534	4.96381E-06	0.007303718	0.001245293	0.02689983	0.016654851	5.03882E-06	19.12666321	1.70611E-05	0.000211485	0.00016707
2087 May	90.4874115	0.062211037	0.010822869	0.00099225	13.27669334	0.032667395	21.50195885	0.000985396	0.000985396	4.96479E-06	0.007162692	0.00138477	0.023431808	0.022365822	5.02627E-06	22.60736847	1.81661E-05	0.000265702	0.000277688
2087 Jun	79.5368576	0.049886484	0.016043212	0.000966103	15.20466709	0.02123449	11.19610405	0.000963787	0.000963787	4.83243E-06	0.00678372	0.001472474	0.013528882	0.029328842	4.85436E-06	25.19019318	2.10218E-05	0.000341232	0.000428274
2087 Jul	78.43589783	0.040164486	0.013804672	0.001006263	13.36125946	0.024643388	13.55662441	0.001002805	0.001002805	5.03413E-06	0.006812389	0.001423677	0.016008452	0.025675798	5.06682E-06	22.820467	2.0012E-05	0.000297771	0.000355073

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Aug	83.28936768	0.039218634	0.013280522	0.001053033	13.30645752	0.028131377	16.2552166	0.001048549	0.001048549	5.2689E-06	0.006930065	0.001470054	0.01856951	0.025218198	5.31143E-06	23.05934525	1.93762E-05	0.000288374	0.000337777
2087 Sep	91.12520599	0.049709883	0.012229335	0.001057239	13.36513233	0.031173902	20.64876938	0.001051154	0.001051154	5.29165E-06	0.007266334	0.001475075	0.02243459	0.024161223	5.35E-06	23.4087677	1.9635E-05	0.000278996	0.000312562
2087 Oct	95.1519165	0.061379991	0.010768141	0.001031519	13.1118679	0.033394884	23.78337669	0.001024339	0.001024339	5.16466E-06	0.00749818	0.001434167	0.025042199	0.022495309	5.23452E-06	23.00013733	1.96008E-05	0.000261482	0.000278844
2087 Nov	94.46389008	0.066145413	0.01016796	0.001022257	13.02432442	0.034337029	23.88366508	0.001015082	0.001015082	5.11859E-06	0.00758334	0.001409907	0.025194319	0.021844236	5.18879E-06	22.60670662	1.93984E-05	0.000254393	0.000264414
2087 Dec	96.19711304	0.066219904	0.010174036	0.001022092	13.02220726	0.034343284	24.74473	0.001014604	0.001014604	5.11815E-06	0.007596381	0.001416246	0.025866058	0.021836385	5.19151E-06	22.78346634	1.95466E-05	0.000254503	0.000265007
2088 Jan	96.56938934	0.066278838	0.010186638	0.001022122	13.03272724	0.034343995	24.91341019	0.001014573	0.001014573	5.11837E-06	0.007599175	0.001418162	0.025994467	0.021856613	5.19234E-06	22.83441925	1.95776E-05	0.000254718	0.000265508
2088 Feb	96.6306076	0.066320926	0.01020423	0.001022212	13.04762936	0.034339029	24.92057228	0.001014663	0.001014663	5.11882E-06	0.007599123	0.001419196	0.025995273	0.021888088	5.19281E-06	22.85924911	1.9582E-05	0.000255004	0.000266086
2088 Mar	96.7807312	0.066431038	0.010227103	0.001023605	13.07287788	0.034381535	24.9522171	0.001016048	0.001016048	5.1258E-06	0.007609017	0.001421583	0.02602599	0.021933937	5.19986E-06	22.90171814	1.96092E-05	0.000255493	0.000266744
2088 Apr	97.94043732	0.067236349	0.010359318	0.001035592	13.23633385	0.0347782	25.24158478	0.001027949	0.001027949	5.18582E-06	0.007697488	0.001438863	0.026324524	0.022213031	5.26073E-06	23.18569183	1.98396E-05	0.000258682	0.000270279
2088 May	101.4507294	0.06972868	0.011107658	0.001060377	13.94785404	0.035306025	25.8005867	0.001052622	0.001052622	5.3099E-06	0.007857971	0.001498276	0.026762685	0.023612289	5.38597E-06	24.36872864	2.03906E-05	0.000272764	0.000293066
2088 Jun	57.5453003	0.02546671	0.00852239	0.000975992	8.185470581	0.022481315	10.33262157	0.000973328	0.000973328	4.88352E-06	0.00726136	0.001044332	0.015497368	0.015098953	4.91096E-06	14.44644833	2.16955E-05	0.000222494	0.000170157
2088 Jul	56.80950928	0.018690808	0.008129031	0.001029682	7.415066242	0.022775268	10.47686863	0.001026907	0.001026907	5.15238E-06	0.007630978	0.001037103	0.016320765	0.013892412	5.18139E-06	13.56741428	2.31314E-05	0.000218518	0.000146069
2088 Aug	66.11578369	0.021501007	0.008545645	0.001099926	8.191144943	0.026193021	13.89427185	0.001096051	0.001096051	5.50518E-06	0.008007524	0.001141475	0.019586679	0.014983651	5.5457E-06	15.21239758	2.36552E-05	0.000230087	0.000155698
2088 Sep	76.06233215	0.028858408	0.008405167	0.001102199	8.783729553	0.028676139	18.47648621	0.001096843	0.001096843	5.51895E-06	0.008078779	0.001194543	0.023279296	0.015370395	5.57543E-06	16.60088921	2.33021E-05	0.000231157	0.000158745
2088 Oct	75.63999176	0.060511943	0.006887031	0.00102138	10.12422657	0.033932507	18.53375626	0.001016374	0.001016374	5.1152E-06	0.008024246	0.001165702	0.022499617	0.01558847	5.16938E-06	17.01976395	2.02439E-05	0.000212399	0.000148299
2088 Nov	75.31370544	0.067721449	0.006589521	0.001009624	10.47162437	0.035268493	18.32606697	0.001004783	0.001004783	5.05639E-06	0.008053502	0.001163421	0.022205122	0.015720742	5.10919E-06	17.13609695	1.96378E-05	0.000209429	0.000146519
2088 Dec	76.49596405	0.067822173	0.00659914	0.001009858	10.47950935	0.035290245	18.89980125	0.00100483	0.00100483	5.05791E-06	0.00806444	0.001168362	0.022653067	0.015731853	5.11281E-06	17.2664547	1.97386E-05	0.000209638	0.000147137
2089 Jan	76.5901413	0.067884728	0.006613169	0.001009934	10.49353218	0.035292931	18.92633629	0.001004898	0.001004898	5.05831E-06	0.008064995	0.00116943	0.022669511	0.015759185	5.11329E-06	17.29253387	1.97437E-05	0.000209873	0.000147635
2089 Feb	76.65209198	0.06793537	0.006633471	0.001010159	10.51126671	0.035291933	18.92919922	0.001005124	0.001005124	5.05943E-06	0.008065592	0.001170674	0.02266722	0.015796157	5.1144E-06	17.32061577	1.97488E-05	0.00021021	0.00014829
2089 Mar	76.80529022	0.068067685	0.006654772	0.001011838	10.53713512	0.035345785	18.96056747	0.001006796	0.001006796	5.06784E-06	0.008078358	0.001173161	0.022701403	0.015840659	5.12289E-06	17.36275673	1.97821E-05	0.000210718	0.000148876
2089 Apr	77.39125061	0.068584643	0.006711292	0.001019318	10.62101173	0.035603609	19.10057068	0.001014239	0.001014239	5.1053E-06	0.008137613	0.001182219	0.02286665	0.015970763	5.16075E-06	17.50060272	1.99287E-05	0.000212388	0.000150219
2089 May	83.2505722	0.068638295	0.011432773	0.001012809	13.72617626	0.030985691	16.70129967	0.001008901	0.001008901	5.07105E-06	0.007716016	0.001380979	0.019468181	0.023564043	5.1142E-06	22.45724487	2.04909E-05	0.000282291	0.000297956
2089 Jun	83.02050781	0.055337518	0.017259372	0.000981461	16.40557671	0.02134544	11.07454681	0.000979757	0.000979757	4.91106E-06	0.00691291	0.001550431	0.013124608	0.031732515	4.93101E-06	26.96280098	2.15602E-05	0.000363022	0.000469792
2089 Jul	85.2876358	0.045743186	0.015069885	0.001021725	14.6311512	0.024938535	15.03343391	0.001018599	0.001018599	5.11544E-06	0.006935167	0.001519274	0.016827419	0.02820624	5.15193E-06	25.02264023	2.06449E-05	0.000320202	0.000399746
2089 Aug	89.60586548	0.040393852	0.013455381	0.001057245	13.69204903	0.029359447	19.06128311	0.001052826	0.001052826	5.29624E-06	0.006839071	0.001529512	0.020400872	0.026044225	5.34845E-06	24.16781616	1.8925E-05	0.000287313	0.000351699
2089 Sep	96.91162109	0.053649407	0.011688165	0.001039526	13.40665436	0.032558452	23.95060158	0.001033725	0.001033725	5.21181E-06	0.007182675	0.001492251	0.024746753	0.023928875	5.28203E-06	23.9074707	1.90354E-05	0.000269049	0.000307935
2089 Oct	89.76441193	0.079383299	0.008135335	0.000975625	12.63228512	0.036981702	23.22887993	0.000970254	0.000970254	4.893E-06	0.007634295	0.001319383	0.024666468	0.019744759	4.96083E-06	21.0575695	1.79587E-05	0.00022735	0.000219194
2089 Nov	89.99075317	0.082289614	0.007841037	0.000974844	12.62697697	0.037608601	23.49391747	0.000969434	0.000969434	4.88945E-06	0.007722538	0.001311667	0.024955459	0.019452086	4.95819E-06	20.9436429	1.79904E-05	0.000224648	0.000212071
2089 Dec	91.01888275	0.082371622	0.00784706	0.00097529	12.63251495	0.037631921	23.99225998	0.000969742	0.000969742	4.89211E-06	0.007734436	0.001316002	0.025348295	0.019459112	4.96268E-06	21.0554142	1.80855E-05	0.00022485	0.000212535
2090 Jan	91.22575378	0.082429402	0.007861119	0.000975571	12.64568901	0.037638288	24.0737896	0.000970002	0.000970002	4.89358E-06	0.00773749	0.001317548	0.02541035	0.019484788	4.96443E-06	21.09216499	1.81054E-05	0.000225112	0.000213031
2090 Feb	91.30368805	0.082486175	0.00788105	0.000975964	12.66370773	0.037643187	24.08343124	0.000970394	0.000970394	4.89556E-06	0.00773959	0.001318926	0.025415262	0.019521426	4.96642E-06	21.12171936	1.81147E-05	0.000225462	0.000213661
2090 Mar	91.44589233	0.082604341	0.007900286	0.000977211	12.68693161	0.037685636	24.11569405	0.000971634	0.000971634	4.90181E-06	0.007748939	0.001321084	0.025446011	0.019562073	4.97276E-06	21.16051292	1.81392E-05	0.000225891	0.000214232
2090 Apr	91.86530304	0.082981274	0.007940849	0.000981583	12.7477293	0.037851039	24.22230148	0.000975982	0.000975982	4.92374E-06	0.007783269	0.001327248	0.025557201	0.019658575	4.99499E-06	21.26148987	1.82208E-05	0.000226983	0.000215359
2090 May	97.26868439	0.082944557	0.009033978	0.000993716	13.44461155	0.037075121	25.59152031	0.000987847	0.000987847	4.98568E-06	0.007828038	0.001392925	0.026443517	0.021349294	5.0612E-06	22.78728867	1.9018E-05	0.000244823	0.000248559
2090 Jun	73.66227722	0.036165144	0.012328241	0.000944866	11.50045586	0.020360006	13.51935482	0.000942486	0.000942486	4.73402E-06	0.00691868	0.001260147	0.016399834	0.022106508	4.76914E-06	20.27105522	2.19053E-05	0.000281537	0.000305137
2090 Jul	69.98374176	0.027087802	0.010570351	0.001000234	9.812969208	0.022372223	13.86949539	0.000997671	0.000997671	5.012E-06	0.007237857	0.001202054	0.017656559	0.018829053	5.05044E-06	17.86832428	2.23627E-05	0.000255462	0.00023959
2090 Aug	70.76338959	0.033283144	0.008161716	0.000985011	10.0693655	0.032355182	16.17756462	0.000981987	0.000981987	4.93844E-06	0.00638138	0.001182981	0.020535683	0.016657498	4.98479E-06	17.16609383	1.46701E-05	0.000215723	0.000174577
2090 Sep	76.10390472	0.059855867	0.00673872	0.000960143	10.87185669	0.03678678	18.97270775	0.000956628	0.000956628	4.81694E-06	0.006907654	0.001176159	0.022634909	0.016212573	4.87188E-06	17.70604134	1.46414E-05	0.000204706	0.000154665
2090 Oct	72.88488007	0.088475272	0.00553608	0.000942384	11.67865562	0.039961904	17.23837852	0.000939463	0.000939463	4.72608E-06	0.007662195	0.001146066	0.020809771	0.016197858	4.77285E-06	17.4780159	1.55628E-05	0.00019575	0.00014177
2090 Nov	73.00902557	0.091876037	0.005361909	0.000936598	11.7397747	0.040228471	17.34959602	0.000933678	0.000933678	4.6973E-06	0.007738029	0.001141079	0.020808335	0.016136587	4.74431E-06	17.46875954	1.56954E-05	0.000193958	0.00013992
2090 Dec	74.47848511	0.091936648	0.005371153	0.000936862	11.74434853	0.040238537	18.06518555	0.00093378	0.00093378	4.69942E-06	0.007751713	0.001147132	0.021367442	0.016147129	4.74905E-06	17.6281147	1.58294E-05	0.000194227	0.000140683
2091 Jan	75.07798004	0.091960311	0.005392267	0.000936875	11.75780392	0.040225178	18.33821678	0.000933731	0.000933731	4.69979E-06	0.007754786	0.001150232	0.021574395	0.016179593	4.7504E-06	17.70931625	1.58814E-05	0.000194581	0.000141538
2091 Feb	75.28009796	0.091987349	0.005417611	0.000936946	11.77622986	0.040210616	18.40788841	0.000933788	0.000933788	4.70022E-06	0.007754668	0.001152061	0.021621473	0.016221777	4.75107E-06	17.754776	1.5898E-05	0.000194979	0.000142392
2091 Mar	75.48622131	0.092198916	0.005442626	0.000938983	11.81145382	0.040288698	18.45332146	0.000935817	0.000935817	4.71043E-06	0.007770684	0.001155262	0.02166844	0.016279235	4.7614E-06	17.81062126	1.59352E-05	0.000195603	0.000143131
2091 Apr	76.15259552	0.09299916	0.005497018	0.000947064	11.91863537	0.040630121	18.61148262	0.000943872	0.000943872	4.75097E-06	0.007837025	0.001165574	0.021851972	0.016432054	4.80237E-06	17.97299385	1.60733E-05	0.0001974	0.000144605
2091 May	81.48212433	0.089913517	0.008561393	0.000967633	13.66992092	0.037534766	17.8639431	0.00096474	0.00096474	4.85247E-06	0.007743723	0.001302987	0.020571319	0.021034112	4.89926E-06	21.1113472	1.73404E-05	0.000243788	0.000234814
2091 Jun	77.53292847	0.050687354	0.015625378	0.00095654	14.93955135	0.021067278	10.64072132	0.000955347	0.000955347	4.78914E-06	0.006812907	0.001444614	0.013092099	0.028751606	4.80931E-06	24.64574432	2.10767E-05	0.000335866	0.00041814
2091 Jul	80.91049957	0.045838159	0.014881213	0.001029742	14.16484356	0.023005152	12.95276165	0.001027984	0.001027984	5.15812E-06	0.007347923	0.001459818	0.015836086	0.027244689	5.18773E-06	24.03619576	2.26925E-05	0.000327986	0.000384919
2091 Aug	81.7898941	0.043099053	0.011815842	0.001016896	12.83610439	0.029678976	16.80620956	0.001014239	0.001014239	5.09902E-06	0.006795445	0.001382238	0.019927705	0.022975946	5.14425E-06	21.89477921	1.78425E-05	0.000277193	0.000293788
2091 Sep	86.22129059	0.05121962	0.009293867	0.00099359	12.19809723	0.03504451	21.26893425	0.000990014	0.000990014	4.98832E-06	0.006687504	0.001317227	0.02437879	0.019731797	5.05052E-06	20.786026	1.51851E-05	0.00024461	0.00022407
2091 Oct	87.7907486	0.070587479	0.007603939	0.000962017	12.06755161	0.037199385	23.12448692	0.000958153	0.000958153	4.83293E-06	0.007205974	0.00126743	0.025497615	0.0182779	4.90148E-06	20.1756649	1.60852E-05	0.000223683	0.000192921
2091 Nov	84.06842041	0.082160696	0.006635422	0.000948782	12.05412483	0.038662355	21.82260513	0.000945256	0.000945256	4.76528E-06	0.007506484	0.001225017	0.024334086	0.017509505	4.82869E-06	19.385149	1.62384E-05	0.000211945	0.000173276
2091 Dec	84.92279053	0.082669705	0.006609474	0.000949115	12.06410694	0.038748514	22.24489975	0.000945507	0.000945507	4.76747E-06	0.007531152	0.00122814	0.024664016	0.017499289	4.83241E-06	19.47020149	1.63398E-05	0.000211826	0.000173148
2092 Jan	86.05101013	0.082694545	0.006632609	0.0009489	12.07663631	0.038725577	22.77963257	0.000945187	0.000945187	4.76707E-06	0.007536893	0.001233204	0.025072329	0.017533073	4.83396E-06	19.60716629	1.64372E-05	0.000212237	0.00017429
2092 Feb	86.3788681	0.082748465	0.006662891	0.000949138	12.10016155	0.038716175	22.90316391	0.000945401	0.000945401	4.76841E-06	0.007538867	0.001235838	0.025161352	0.01758503	4.83572E-06	19.67148399	1.64666E-05	0.000212741	0.000175341
2092 Mar	86.63454437	0.082978971	0.00669473	0.000951565	12.14226437	0.038805362	22.96114159	0.00094782	0.00094782	4.78059E-06	0.007557256	0.001239739	0.025220299	0.017655309	4.84806E-06	19.7400589	1.65108E-05	0.000213509	0.00017627
2092 Apr	87.26847839	0.083580978	0.006750733	0.000958347	12.23506451	0.039076425	23.12296486	0.000954575	0.000954575	4.81466E-06	0.007610594	0.001248978	0.02539585	0.01779533	4.88259E-06	19.89067459	1.66294E-05	0.000215156	0.000177795
2092 May	93.78453827	0.081201993	0.010076122	0.000974021	14.14948654	0.035476662	22.68367577	0.000970498	0.000970498	4.89201E-06	0.007515639	0.00139788	0.024181364	0.022830976	4.95626E-06	23.39200211	1.81599E-05	0.000265251	0.000277645
2092 Jun	68.574646	0.036447033	0.013036915	0.000919341	12.01669407	0.019106856	10.30919361	0.000918207	0.000918207	4.60502E-06	0.006624062	0.001257639	0.013425475	0.023345243	4.62776E-06	20.4737072	2.09565E-05	0.000290356	0.000329233
2092 Jul	65.2864151	0.023436399	0.009966349	0.000963307	9.175318718	0.021453509	12.67272091	0.000961577	0.000961577	4.82932E-06	0.006904199	0.001142378	0.016502837	0.017728845	4.86418E-06	16.72723579	2.12618E-05	0.000239243	0.000223452
2092 Aug	77.81019592	0.026281701	0.009921446	0.001010315	9.732504845	0.025152732	18.29167747	0.001007613	0.001007613	5.07172E-06	0.007108271	0.001235365	0.021456596	0.018190598	5.12644E-06	18.39234734	2.11699E-05	0.000243064	0.000223859
2092 Sep	96.93882751	0.036979008	0.009000268	0.00099891	10.18526268	0.029254451	28.06206131	0.000994545	0.000994545	5.02797E-06	0.007175452	0.001297723	0.029450875	0.017670993	5.1178E-06	20.32475281	2.05574E-05	0.000235584	0.000210619
2092 Oct	107.3961182	0.051491227	0.008138168	0.0009797	10.57000256	0.031785604	33.46372604	0.000974486	0.000974486	4.93935E-06	0.007459605	0.001321351	0.033523344	0.017355766	5.04815E-06	21.35733032	2.09406E-05	0.000227492	0.000201819
2092 Nov	111.7830658	0.055154104	0.007936115	0.000975618	10.67398643	0.032437284	35.66970062	0.000970052	0.000970052	4.92203E-06	0.007548491	0.001334979	0.03521407	0.01729691	5.03871E-06	21.81175041	2.1201E-05	0.000225902	0.000200626
2092 Dec	112.375946	0.055291202	0.007937958	0.000976173	10.68420792	0.032476068	35.94882202	0.000970562	0.000970562	4.92519E-06	0.007558961	0.001337848	0.035435934	0.017308978	5.04288E-06	21.88145447	2.12575E-05	0.000226077	0.000200935
2093 Jan	112.798439	0.055351045	0.007949828	0.000976099	10.6951561	0.032474402	36.14170074	0.000970456	0.000970456	4.92509E-06	0.007561482	0.001339994	0.035581555	0.017331539	5.04348E-06	21.93894386	2.12914E-05	0.000226302	0.000201509
2093 Feb	112.9978409	0.055402618	0.007968952	0.000976332	10.71164131	0.032474481	36.21398163	0.000970678	0.000970678	4.92635E-06	0.007563428	0.001341714	0.035634018	0.017366085	5.04498E-06	21.9799366	2.13093E-05	0.000226635	0.000202177
2093 Mar	113.7365952	0.055624414	0.008008462	0.000979877	10.75821209	0.032587457	36.49508667	0.000974177	0.000974177	4.94444E-06	0.007592664	0.001348287	0.03587693	0.017446881	5.06405E-06	22.10433006	2.14144E-05	0.000227648	0.000203371
2093 Apr	114.6625061	0.056058712	0.008074711	0.000987315	10.84426022	0.032832392	36.79620743	0.000981568	0.000981568	4.98201E-06	0.007650405	0.001358995	0.036166273	0.017588921	5.1026E-06	22.28425407	2.15817E-05	0.000229465	0.000205114
2093 May	116.4335175	0.059138279	0.011205809	0.000997164	13.07719707	0.03039212	33.9060936	0.00099208	0.00099208	5.02644E-06	0.007548161	0.001491301	0.032996938	0.022776859	5.13382E-06	25.44572449	2.22047E-05	0.000277852	0.000301995
2093 Jun	79.1088562	0.043877933	0.014888038	0.0009477	13.90285683	0.020074885	12.73549557	0.000946384	0.000946384	4.74992E-06	0.006763043	0.001403369	0.014949727	0.027007932	4.77918E-06	23.74457169	2.15368E-05	0.000322659	0.000392462
2093 Jul	77.39874268	0.035932422	0.013078403	0.001001177	12.37745857	0.022961676	14.05286407	0.000999575	0.000999575	5.01993E-06	0.006997862	0.0013647	0.016798707	0.023964522	5.05578E-06	21.68642235	2.14246E-05	0.000291366	0.000329675
2093 Aug	84.95360565	0.035126626	0.012236859	0.001036006	12.22364044	0.026940349	18.44821739	0.001033698	0.001033698	5.20048E-06	0.007005248	0.001410869	0.020675648	0.023159936	5.2525E-06	22.03969193	2.03054E-05	0.000276769	0.000306737
2093 Sep	92.11544037	0.049900927	0.010553464	0.001018225	12.22561264	0.030861393	23.02173042	0.001015232	0.001015232	5.11825E-06	0.007276844	0.001390379	0.024627198	0.021534909	5.18668E-06	22.05980492	1.98122E-05	0.000258964	0.000269442
2093 Oct	84.92169952	0.079393782	0.007276755	0.0009571	12.01740646	0.036452435	21.7406311	0.000954411	0.000954411	4.81089E-06	0.007667946	0.001250784	0.023778057	0.018340506	4.87403E-06	19.78079987	1.79803E-05	0.000218951	0.000194525
2093 Nov	83.34594727	0.088138796	0.006466717	0.000950633	12.0844965	0.03833786	21.36754036	0.000948047	0.000948047	4.77802E-06	0.007848981	0.001224107	0.023599122	0.01766661	4.83947E-06	19.31569099	1.7628E-05	0.000210353	0.000176073
2093 Dec	84.08055115	0.08826676	0.006467989	0.000951259	12.09359741	0.038377687	21.71707153	0.000948621	0.000948621	4.78167E-06	0.007860987	0.001227515	0.023877516	0.01767699	4.84439E-06	19.39919281	1.76985E-05	0.000210546	0.000176406
2094 Jan	84.70469666	0.088302583	0.006487239	0.000951291	12.10760689	0.03836932	22.00187302	0.00094861	0.00094861	4.78226E-06	0.007864634	0.001230733	0.024094442	0.017709473	4.846E-06	19.48321152	1.77517E-05	0.000210904	0.000177254
2094 Feb	84.92205811	0.088340625	0.006512922	0.000951429	12.12741184	0.038358789	22.07711601	0.000948737	0.000948737	4.78305E-06	0.007865152	0.001232704	0.024146438	0.017753588	4.84704E-06	19.53150177	1.77697E-05	0.000211323	0.000178132
2094 Mar	85.12365723	0.08852578	0.006538684	0.000953269	12.16072655	0.038424488	22.12255669	0.000950572	0.000950572	4.7923E-06	0.007879488	0.001235769	0.024191085	0.017810263	4.85641E-06	19.58612823	1.78059E-05	0.000211932	0.000178903
2094 Apr	85.58209229	0.088994749	0.006580231	0.00095823	12.22966671	0.038619626	22.23632622	0.00095552	0.00095552	4.81723E-06	0.007919952	0.001242567	0.024313523	0.017915726	4.88167E-06	19.69708061	1.78991E-05	0.000213148	0.000180076
2094 May	92.95891571	0.082191586	0.011333286	0.0009619	14.77663994	0.032731295	20.96499634	0.000959533	0.000959533	4.83282E-06	0.007528991	0.001433165	0.022023873	0.02486247	4.88998E-06	24.36886597	1.93344E-05	0.000282381	0.000320967
2094 Jun	92.45508575	0.058573272	0.017384749	0.000976902	16.76161385	0.021838926	15.35882378	0.00097552	0.00097552	4.89924E-06	0.006964917	0.001600679	0.016326388	0.0323085	4.93441E-06	28.31182289	2.20412E-05	0.000367061	0.000482292

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Jul	97.03713989	0.053355079	0.016484998	0.001046915	15.98837948	0.024507884	18.46681786	0.001045066	0.001045066	5.25451E-06	0.007377305	0.001626704	0.019548673	0.030794406	5.30197E-06	27.81517029	2.29884E-05	0.000353885	0.000447979
2094 Aug	113.0723572	0.054069351	0.016557075	0.001115547	16.3894577	0.027892666	25.72236252	0.00111271	0.00111271	5.60876E-06	0.007781649	0.001746544	0.02577843	0.03132499	5.68226E-06	29.79293442	2.41065E-05	0.000359043	0.000451334
2094 Sep	113.5404129	0.066990651	0.013335753	0.001070908	15.21920776	0.032118414	29.02749825	0.001067621	0.001067621	5.39138E-06	0.00792574	0.001627127	0.028898465	0.027138093	5.47801E-06	27.63094139	2.26653E-05	0.000314708	0.000367469
2094 Oct	108.0812454	0.081179507	0.009871971	0.001005505	13.84914684	0.03560565	29.79767418	0.001002142	0.001002142	5.06644E-06	0.008004719	0.001464257	0.029776026	0.022599952	5.15706E-06	24.62579727	2.09308E-05	0.000264612	0.000278029
2094 Nov	101.0945663	0.091019094	0.007563263	0.000965205	12.97756195	0.038090434	28.60569191	0.000962042	0.000962042	4.86369E-06	0.008059714	0.001345242	0.029056607	0.019613042	4.95064E-06	22.29806137	1.95134E-05	0.000231286	0.000216986
2094 Dec	101.2326279	0.091462843	0.007458816	0.000963314	12.93693733	0.038201153	28.77677536	0.000960132	0.000960132	4.85454E-06	0.00806525	0.001341578	0.029199399	0.019477336	4.94216E-06	22.23976898	1.94884E-05	0.000229822	0.000214415
2095 Jan	102.149147	0.091493934	0.007479895	0.000963264	12.95136833	0.038188729	29.20446587	0.000960027	0.000960027	4.85498E-06	0.008070285	0.001345972	0.029526671	0.019512791	4.94415E-06	22.3559742	1.95659E-05	0.000230235	0.000215455
2095 Feb	102.3377762	0.091541469	0.007509939	0.000963458	12.97506142	0.038178023	29.25946617	0.000960214	0.000960214	4.85602E-06	0.008070617	0.001348055	0.029561937	0.01956496	4.94536E-06	22.40596962	1.95813E-05	0.000230724	0.000216457
2095 Mar	102.6147232	0.091661215	0.007534332	0.000964554	13.00133991	0.03821123	29.35326958	0.0009613	0.0009613	4.86164E-06	0.008079601	0.001350853	0.029637866	0.01961389	4.95129E-06	22.46365356	1.9616E-05	0.000231239	0.000217263
2095 Apr	103.3074341	0.092272051	0.007592578	0.000970884	13.09326267	0.038456351	29.54494476	0.000967609	0.000967609	4.89354E-06	0.008131979	0.001360152	0.029828809	0.019757548	4.98377E-06	22.62175179	1.97453E-05	0.000232889	0.000218971
2095 May	102.1961365	0.083241493	0.012888436	0.000972982	15.84754372	0.031609692	23.62517548	0.000970614	0.000970614	4.89348E-06	0.007582179	0.001533044	0.023748545	0.027398219	4.95919E-06	26.78543854	2.05039E-05	0.000308179	0.00037135
2095 Jun	96.65581512	0.066237122	0.018119948	0.000996112	17.8984642	0.023418145	15.96086311	0.00099485	0.00099485	4.99629E-06	0.007125192	0.001673805	0.01666715	0.034180179	5.03213E-06	29.89651871	2.20878E-05	0.000382078	0.000510382
2095 Jul	99.00655365	0.062046122	0.017463775	0.001065122	17.47136497	0.026601607	17.62496185	0.001063637	0.001063637	5.34422E-06	0.007412544	0.001712403	0.018548429	0.033333458	5.38655E-06	29.55720711	2.22027E-05	0.000370373	0.000485488
2095 Aug	92.33459473	0.051168606	0.013520325	0.00103572	14.779459	0.031276278	19.44680595	0.001033913	0.001033913	5.20169E-06	0.006771696	0.001548496	0.020953823	0.027039152	5.25392E-06	25.30350685	1.7644E-05	0.00029985	0.000363605
2095 Sep	96.59095764	0.053578183	0.011286624	0.001021671	13.80683231	0.034916177	23.78437805	0.001019312	0.001019312	5.1392E-06	0.006727627	0.001477507	0.025466278	0.023647752	5.20853E-06	24.0268116	1.60411E-05	0.000272529	0.000296
2095 Oct	105.4635239	0.060260706	0.010490212	0.001010737	13.59997177	0.035807215	28.76402473	0.00100779	0.00100779	5.09288E-06	0.007001554	0.001481903	0.029380228	0.02275339	5.18056E-06	24.47272301	1.71348E-05	0.000264076	0.000281428
2095 Nov	102.7674789	0.07193286	0.008975752	0.000987738	13.1835289	0.037309762	28.64320374	0.000984839	0.000984839	4.97794E-06	0.007327346	0.001412047	0.029314822	0.020998893	5.06532E-06	23.24523163	1.74105E-05	0.000245176	0.000245259
2095 Dec	102.7138596	0.073465064	0.008794159	0.000985755	13.14322662	0.037532538	28.74799919	0.000982849	0.000982849	4.96822E-06	0.007376438	0.001405326	0.029406643	0.020798413	5.05599E-06	23.13261986	1.74779E-05	0.000243056	0.000241033
2096 Jan	103.6553879	0.073538534	0.00881398	0.000985607	13.15857792	0.037518922	29.18759346	0.00098265	0.00098265	4.96821E-06	0.007382771	0.00140975	0.029741593	0.020834418	5.05757E-06	23.25182533	1.75616E-05	0.00024347	0.000242096
2096 Feb	103.9333572	0.073636182	0.008850416	0.000986179	13.19036961	0.037521448	29.27363205	0.000983214	0.000983214	4.9712E-06	0.007386732	0.001412702	0.02980244	0.020900723	5.06084E-06	23.31950569	1.75898E-05	0.000244111	0.000243319
2096 Mar	104.0976563	0.073760092	0.008878398	0.000987437	13.22029114	0.037559066	29.30610466	0.000984469	0.000984469	4.97752E-06	0.007395329	0.001415315	0.029831059	0.020956371	5.06724E-06	23.36939812	1.76144E-05	0.00024468	0.000244172
2096 Apr	104.7536545	0.07423038	0.008942325	0.000993508	13.3089056	0.03778426	29.48267937	0.000990522	0.000990522	5.00812E-06	0.007440323	0.001424463	0.030008521	0.021101438	5.09837E-06	23.52416611	1.77237E-05	0.000246328	0.000245977
2096 May	112.2902679	0.073375814	0.011638418	0.00099701	14.85485172	0.034440711	30.25794792	0.000994043	0.000994043	5.02644E-06	0.007386695	0.001546455	0.029822066	0.025170447	5.11786E-06	26.59469986	1.93376E-05	0.00028754	0.0003291
2096 Jun	63.23441696	0.026151827	0.010227517	0.000924238	9.328596115	0.019404026	11.42173672	0.000923347	0.000923347	4.6353E-06	0.00681603	0.001107779	0.015343288	0.017973168	4.66549E-06	16.72538376	2.15136E-05	0.000246975	0.000233506
2096 Jul	63.7661438	0.019841949	0.009033154	0.00098754	8.213326454	0.021563333	12.97863483	0.000986458	0.000986458	4.95518E-06	0.007221731	0.001095611	0.017439678	0.015799807	4.99241E-06	15.41875935	2.24245E-05	0.000229401	0.000187755
2096 Aug	73.90184021	0.023151284	0.009186841	0.001043264	8.932928085	0.025228899	17.08201599	0.001041783	0.001041783	5.24048E-06	0.007484293	0.001190879	0.021238411	0.016614914	5.29179E-06	17.03407097	2.24206E-05	0.000237446	0.000192816
2096 Sep	80.11135864	0.046640269	0.007799475	0.001008959	9.966872215	0.031041032	20.36462021	0.001007211	0.001007211	5.07387E-06	0.007563876	0.001201676	0.023749758	0.016433215	5.13537E-06	17.89855766	2.01608E-05	0.00022357	0.000175022
2096 Oct	81.89781952	0.080433257	0.006037801	0.000961145	11.21404934	0.03723862	21.46702766	0.000959392	0.000959392	4.83575E-06	0.007905851	0.001186153	0.024144769	0.016303716	4.89883E-06	18.32422256	1.83557E-05	0.00020515	0.000154848
2096 Nov	81.58455658	0.085652538	0.005828735	0.000960936	11.46028328	0.038349714	21.22248077	0.000959228	0.000959228	4.83411E-06	0.007997843	0.0011874	0.023939554	0.016386107	4.89583E-06	18.38522911	1.813E-05	0.000203757	0.000152459
2096 Dec	82.31111908	0.085704088	0.005829232	0.00096098	11.46323776	0.038360491	21.57673264	0.000959237	0.000959237	4.83495E-06	0.008004515	0.001190387	0.024216136	0.016391333	4.89797E-06	18.46440506	1.81929E-05	0.000203875	0.000152819
2097 Jan	82.73758698	0.08573135	0.005844777	0.000960908	11.4749136	0.038350791	21.76845169	0.000959147	0.000959147	4.83492E-06	0.00800609	0.001192676	0.024360118	0.016418751	4.89864E-06	18.5248642	1.82273E-05	0.000204154	0.000153505
2097 Feb	82.84733582	0.08575841	0.005865958	0.00096094	11.49106979	0.038339056	21.79688263	0.000959176	0.000959176	4.83512E-06	0.008005311	0.001193994	0.0243758	0.016455123	4.89892E-06	18.55742264	1.82347E-05	0.000204485	0.000154212
2097 Mar	82.96850586	0.085871026	0.005884112	0.000962052	11.51298714	0.038376387	21.82099342	0.000960286	0.000960286	4.84071E-06	0.008013754	0.00119594	0.02439945	0.016493579	4.90457E-06	18.5927823	1.82566E-05	0.000204893	0.000154758
2097 Apr	83.64374542	0.086563453	0.00593756	0.000969723	11.60974407	0.038678359	21.99391937	0.000967943	0.000967943	4.8793E-06	0.008077177	0.001205798	0.024591051	0.016636251	4.94366E-06	18.74895477	1.84026E-05	0.000206625	0.000156202
2097 May	88.31030273	0.084048212	0.009351119	0.000987174	13.65179062	0.035415001	20.51812553	0.000985611	0.000985611	4.96294E-06	0.00791171	0.001354056	0.022607552	0.021844858	5.01967E-06	22.17950249	1.9401E-05	0.000257748	0.000257259
2097 Jun	80.42411041	0.054536048	0.015345284	0.000972969	15.09721184	0.022569966	11.96658707	0.000972304	0.000972304	4.87672E-06	0.007018997	0.001464327	0.014325606	0.028704051	4.90144E-06	24.95274544	2.13471E-05	0.000335234	0.000413021
2097 Jul	82.82167053	0.048242349	0.0143191	0.001037624	14.20958805	0.025275439	14.23525906	0.001036712	0.001036712	5.2045E-06	0.007329486	0.001478026	0.016817169	0.027013378	5.23854E-06	24.11473846	2.17925E-05	0.000318074	0.000375153
2097 Aug	86.50360107	0.046086993	0.013296621	0.001066511	13.83158588	0.028906368	17.02458763	0.001065322	0.001065322	5.35406E-06	0.00727809	0.001494747	0.019498393	0.025789382	5.39868E-06	23.82201004	2.03802E-05	0.000300431	0.000344603
2097 Sep	92.66943359	0.051067859	0.012489304	0.001071528	13.79317951	0.031276014	20.54537773	0.001070009	0.001070009	5.3854E-06	0.00742402	0.001501809	0.022674259	0.024922663	5.44288E-06	24.07640076	2.01864E-05	0.000292963	0.000324481
2097 Oct	91.17932129	0.065073088	0.010464588	0.001034017	13.34596157	0.03400559	21.48606873	0.001032422	0.001032422	5.19966E-06	0.007625678	0.001420088	0.023525205	0.022634082	5.26072E-06	22.7493248	1.94685E-05	0.000266645	0.000276534
2097 Nov	89.79026794	0.071092412	0.009551902	0.001015428	13.12202549	0.035136666	21.58704758	0.001013831	0.001013831	5.10699E-06	0.007694545	0.001379081	0.023641642	0.021579463	5.16851E-06	22.06100655	1.90647E-05	0.000254444	0.000254618
2097 Dec	89.88066864	0.071894243	0.00941788	0.001012148	13.08191204	0.035272744	21.75617599	0.001010536	0.001010536	5.09091E-06	0.007701859	0.001373786	0.023774531	0.021418361	5.15308E-06	21.98646164	1.90258E-05	0.000252615	0.000251538
2098 Jan	90.58905792	0.071980096	0.009436324	0.001011977	13.09896946	0.035266388	22.08060837	0.001010336	0.001010336	5.09063E-06	0.00770581	0.001377325	0.024019998	0.021454718	5.15397E-06	22.08203125	1.90832E-05	0.000252993	0.000252486
2098 Feb	90.76745605	0.072051302	0.009469691	0.001012111	13.12650204	0.035254609	22.12568092	0.001010466	0.001010466	5.09137E-06	0.007705764	0.001379506	0.024045637	0.021514034	5.15484E-06	22.13529396	1.90965E-05	0.000253535	0.000253611
2098 Mar	90.87257385	0.072138488	0.009494098	0.001012861	13.15031242	0.035271864	22.13911629	0.001011216	0.001011216	5.09513E-06	0.007710495	0.001381406	0.024055455	0.021560546	5.15862E-06	22.17350578	1.91118E-05	0.000253992	0.000254368
2098 Apr	92.29455566	0.073368721	0.010025237	0.001016608	13.60059452	0.03514912	22.13973618	0.001014978	0.001014978	5.1136E-06	0.007711085	0.001411584	0.023918616	0.022512266	5.17655E-06	22.87825203	1.92162E-05	0.000262602	0.000271534
2098 May	96.07055664	0.073513515	0.01567648	0.001003368	17.17119598	0.028871844	17.79857445	0.001002265	0.001002265	5.0378E-06	0.007240123	0.001621725	0.0187256	0.031326003	5.08086E-06	28.30979538	2.01292E-05	0.000346207	0.000444434
2098 Jun	73.84738159	0.046878405	0.016031383	0.000936029	14.90569592	0.019297834	8.718712807	0.000935706	0.000935706	4.6867E-06	0.006564108	0.001429104	0.011274759	0.029146828	4.69997E-06	24.45256805	2.07039E-05	0.000338941	0.000429873
2098 Jul	75.63988495	0.042712409	0.015258274	0.001017116	14.23354721	0.021867009	10.15447807	0.001016643	0.001016643	5.09509E-06	0.007113382	0.001448016	0.013358671	0.027769532	5.1144E-06	23.75400352	2.20171E-05	0.00033062	0.000396089
2098 Aug	78.42701721	0.041761748	0.012488564	0.001015486	13.15120888	0.028314522	14.40970421	0.001014612	0.001014612	5.09527E-06	0.006744906	0.001391693	0.017799817	0.024022823	5.13137E-06	22.10862541	1.80419E-05	0.00028766	0.000314507
2098 Sep	78.9369278	0.065291159	0.008501875	0.000965557	12.29934216	0.035171025	17.93206024	0.000964405	0.000964405	4.85237E-06	0.007049844	0.001262971	0.021179749	0.019481603	4.90171E-06	19.86692429	1.59129E-05	0.00023588	0.000216127
2098 Oct	83.27674866	0.086160153	0.006433235	0.000939109	12.11614704	0.038455408	21.3957119	0.00093772	0.00093772	4.72649E-06	0.007628893	0.001218066	0.023771537	0.01760795	4.78811E-06	19.34605598	1.66981E-05	0.000211197	0.000175195
2098 Nov	83.0085144	0.090697996	0.006001505	0.0009351	12.09573364	0.039217774	21.51705551	0.00093372	0.00093372	4.7067E-06	0.007753563	0.001205216	0.023855917	0.017231165	4.76864E-06	19.12441826	1.67724E-05	0.000206086	0.000166088
2098 Dec	83.74890137	0.090810828	0.006001903	0.000935663	12.10344982	0.039251283	21.87030411	0.000934254	0.000934254	4.71016E-06	0.007765359	0.001208626	0.024136035	0.017241426	4.77338E-06	19.20812035	1.68455E-05	0.000206274	0.000166444
2099 Jan	84.31105804	0.09084738	0.00602073	0.000935753	12.1179409	0.039243959	22.12322426	0.000934324	0.000934324	4.71107E-06	0.007769106	0.001211674	0.024328291	0.017275263	4.77521E-06	19.28636932	1.6895E-05	0.00020664	0.000167283
2099 Feb	84.70288849	0.090886094	0.006046893	0.000935932	12.13803959	0.039234098	22.28318405	0.000934491	0.000934491	4.71225E-06	0.007771294	0.001214388	0.024446636	0.017320959	4.77695E-06	19.35371208	1.69294E-05	0.000207096	0.000168258
2099 Mar	84.9750061	0.091139056	0.006076199	0.000938408	12.17990971	0.039328758	22.35012436	0.000936964	0.000936964	4.72473E-06	0.007791054	0.001218326	0.024513254	0.017389221	4.78962E-06	19.42289162	1.69773E-05	0.000207846	0.000169138
2099 Apr	87.8429184	0.093045264	0.007012761	0.000949586	12.96089268	0.039203856	22.51265144	0.00094815	0.00094815	4.78045E-06	0.007822062	0.001274944	0.024444385	0.019052321	4.84499E-06	20.68954659	1.72678E-05	0.000223286	0.000198844
2099 May	100.6063843	0.080271535	0.020687258	0.000949736	20.81442261	0.023484504	14.39846706	0.000949173	0.000949173	4.76208E-06	0.006604414	0.001805803	0.013999806	0.039676286	4.78844E-06	33.65235901	1.99329E-05	0.000419778	0.000608404
2099 Jun	87.50905609	0.056743335	0.0179701	0.000950452	17.01105499	0.020223115	12.5276432	0.000949938	0.000949938	4.7648E-06	0.006656755	0.001588157	0.013688661	0.033143759	4.78936E-06	28.27173996	2.1249E-05	0.000372878	0.000500773
2099 Jul	90.27449036	0.049921591	0.016482141	0.001017156	15.78963947	0.023346972	15.50869942	0.001016386	0.001016386	5.10462E-06	0.007014589	0.001587023	0.016889084	0.030700022	5.14151E-06	27.03294945	2.17462E-05	0.000348849	0.000448774
2099 Aug	94.20161438	0.050158869	0.014919273	0.00105408	15.34917259	0.028485363	18.69390106	0.001053066	0.001053066	5.2955E-06	0.007065052	0.001583569	0.020540541	0.028639734	5.34454E-06	26.41625404	1.99749E-05	0.000329657	0.000398243
2099 Sep	88.93191528	0.060404565	0.010913022	0.001003347	13.69808578	0.033850551	20.14049911	0.001002214	0.001002214	5.04551E-06	0.006996789	0.00141005	0.022637798	0.023111708	5.1015E-06	22.95560646	1.69084E-05	0.00027303	0.000285882
2099 Oct	87.6741333	0.077460371	0.008464073	0.000969725	13.02043915	0.036770687	21.54132652	0.00096851	0.00096851	4.8803E-06	0.007435762	0.001318234	0.023759978	0.020332506	4.94168E-06	21.31847572	1.7043E-05	0.000240567	0.000228609
2099 Nov	87.2835083	0.083562486	0.007533364	0.00095469	12.73341465	0.037755046	22.15611076	0.000953441	0.000953441	4.80643E-06	0.007580775	0.001281901	0.024232715	0.019247748	4.87021E-06	20.68680763	1.7074E-05	0.00022793	0.000206895
2099 Dec	87.7390213	0.083688565	0.007530641	0.000955277	12.74042988	0.037793614	22.37141609	0.000954013	0.000954013	4.80977E-06	0.0075911	0.001284107	0.024406033	0.019253749	4.87433E-06	20.73847008	1.71224E-05	0.000228044	0.000207039
2100 Jan	88.61897278	0.083706357	0.007544923	0.000955022	12.74945164	0.037775662	22.78946304	0.000953729	0.000953729	4.80929E-06	0.007595314	0.001288026	0.024725206	0.019279368	4.87537E-06	20.84500504	1.71972E-05	0.000228356	0.000207918
2100 Feb	88.94615936	0.083735324	0.007567924	0.00095503	12.76649094	0.037761141	22.92295074	0.000953728	0.000953728	4.80957E-06	0.007596069	0.001290259	0.024822067	0.019319126	4.87613E-06	20.90213394	1.72244E-05	0.000228742	0.000208785
2100 Mar	89.02965546	0.083798423	0.007584354	0.000955569	12.78290367	0.037774652	22.93772125	0.000954266	0.000954266	4.81228E-06	0.007599638	0.001291614	0.024833495	0.019350825	4.87887E-06	20.9294529	1.72361E-05	0.000229056	0.000209299
2100 Apr	89.83178711	0.084549636	0.007658495	0.000964031	12.90139771	0.038104691	23.13924408	0.000962717	0.000962717	4.85489E-06	0.007666483	0.001303391	0.025049852	0.019534113	4.92206E-06	21.12313461	1.73894E-05	0.00023119	0.000211377
2100 May	99.68875122	0.07660681	0.014546375	0.00097197	16.61082458	0.029429432	20.82268524	0.000970925	0.000970925	4.88832E-06	0.007222251	0.001577622	0.021250639	0.029667819	4.94309E-06	27.81445122	1.9945E-05	0.000331441	0.000416504
2100 Jun	73.92086792	0.043382607	0.014712532	0.000924798	13.73531723	0.019373808	10.52552986	0.000924416	0.000924416	4.63522E-06	0.006586169	0.001365154	0.013033931	0.026733676	4.65657E-06	23.04752731	2.08464E-05	0.000318238	0.00038864
2100 Jul	73.84475708	0.032405745	0.012104842	0.000957642	11.29928207	0.021068556	13.87399673	0.000956988	0.000956988	4.80746E-06	0.00684363	0.001273393	0.01669067	0.021942729	4.84408E-06	20.14275742	2.14522E-05	0.00027597	0.000300524
2100 Aug	72.67350006	0.033762511	0.009685653	0.000960214	10.80245113	0.028620481	15.56454372	0.000959454	0.000959454	4.82385E-06	0.006336956	0.001232625	0.019009361	0.019144865	4.86707E-06	18.67690659	1.61988E-05	0.000237241	0.000230375
2100 Sep	79.15274048	0.042522062	0.008412344	0.000962862	10.99443054	0.033235889	19.40302849	0.000961875	0.000961875	4.84438E-06	0.006389782	0.001234931	0.022794867	0.017941847	4.90128E-06	18.91780663	1.45842E-05	0.000226021	0.000197677
2100 Oct	85.60012817	0.051567607	0.007944264	0.000962139	11.20595551	0.03456907	22.59042549	0.000960968	0.000960968	4.84672E-06	0.006714033	0.001254518	0.025230397	0.017816087	4.91482E-06	19.55944633	1.55066E-05	0.000223244	0.000193479
2100 Nov	86.53240967	0.053582586	0.007862424	0.000964163	11.27538872	0.034928393	23.00993729	0.00096297	0.00096297	4.85759E-06	0.006792553	0.001258974	0.025564212	0.017826181	4.92708E-06	19.67212486	1.56805E-05	0.000223057	0.000192705
2100 Dec	87.46861267	0.053743973	0.007864934	0.000964984	11.28803253	0.034974057	23.45189667	0.000963764	0.000963764	4.86255E-06	0.00680852	0.001263462	0.025914919	0.017844399	4.93364E-06	19.78105545	1.57752E-05	0.000223349	0.000193229
2101 Jan	88.84750366	0.053795781	0.007876256	0.00096468	11.29630756	0.034959514	24.11693382	0.000963419	0.000963419	4.86232E-06	0.006817704	0.001269266	0.026426656	0.017868824	4.93585E-06	19.93901062	1.58965E-05	0.0002237	0.000194287
2101 Feb	89.57488251	0.053826064	0.007893532	0.000964489	11.30845165	0.034942057	24.45513725	0.000963208	0.000963208	4.86202E-06	0.006821189	0.001272754	0.026682904	0.017900109	4.93677E-06	20.03293228	1.59591E-05	0.000224046	0.000195194
2101 Mar	89.68212128	0.053871647	0.007906476	0.000964905	11.32106876	0.03495194	24.48746872	0.000963621	0.000963621	4.86415E-06	0.006824167	0.001273975	0.026708063	0.017924894	4.93901E-06	20.05864716	1.59717E-05	0.000224297	0.000195616
2101 Apr	90.24149323	0.054212097	0.007972478	0.000969961	11.40047169	0.035121873	24.62891006	0.000968671	0.000968671	4.88965E-06	0.006859354	0.00128204	0.026849594	0.018062619	4.96493E-06	20.19855118	1.60625E-05	0.000225858	0.000197472
2101 May	93.47651672	0.060355909	0.014248793	0.000978257	15.55027866	0.028531007	18.93775368	0.000977419	0.000977419	4.91757E-06	0.006776494	0.001526569	0.020307457	0.028160654	4.96712E-06	26.24648666	1.85171E-05	0.000321113	0.000391719

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jun	81.33877563	0.048831549	0.016162764	0.000951402	15.25778198	0.020497531	11.97568417	0.000951001	0.000951001	4.77024E-06	0.006667996	0.001480226	0.013960824	0.029629014	4.795E-06	25.55222511	2.09937E-05	0.000343732	0.000437057
2101 Jul	86.39962769	0.046374388	0.015861426	0.001023353	14.94447136	0.022309173	14.4484911	0.001022799	0.001022799	5.13503E-06	0.007218805	0.001521347	0.016691728	0.029010698	5.16924E-06	25.65550232	2.27565E-05	0.000344297	0.000420035
2101 Aug	94.4846344	0.047706351	0.015767481	0.001077197	15.28706646	0.025441542	17.98202133	0.001076443	0.001076443	5.41092E-06	0.00749728	0.001593694	0.020034935	0.029265461	5.4576E-06	26.68593979	2.29811E-05	0.000347224	0.000416372
2101 Sep	91.34384155	0.060074389	0.011662143	0.001028151	13.87109375	0.032092739	20.4113369	0.001027253	0.001027253	5.17123E-06	0.007378636	0.001440851	0.022857752	0.023955455	5.22808E-06	23.60678864	1.92769E-05	0.000288522	0.000304992
2101 Oct	96.00687408	0.070086755	0.010132627	0.00100676	13.48846245	0.034270398	23.97789955	0.001005671	0.001005671	5.07144E-06	0.007611037	0.001408819	0.025681645	0.022278583	5.14151E-06	23.2018528	1.93776E-05	0.000268303	0.000271705
2101 Nov	91.62525177	0.080706701	0.008358018	0.000976593	12.97549343	0.036469046	23.40184021	0.00097555	0.00097555	4.91969E-06	0.00775048	0.001328199	0.025232207	0.020229729	4.98788E-06	21.64550972	1.85718E-05	0.000242675	0.00022846
2101 Dec	90.43976593	0.082525499	0.00811884	0.000975089	12.93863869	0.036906693	22.98888969	0.000974072	0.000974072	4.91136E-06	0.007788435	0.001316989	0.024931155	0.019982928	4.97801E-06	21.3930645	1.84365E-05	0.000239475	0.000222318
2102 Jan	91.11653137	0.082570545	0.008137281	0.000974863	12.95313931	0.036891922	23.29996109	0.000973831	0.000973831	4.91084E-06	0.007791056	0.001320363	0.025165265	0.020017786	4.97862E-06	21.48398972	1.84913E-05	0.000239832	0.000223258
2102 Feb	91.25543976	0.082631715	0.008170091	0.000975067	12.97977734	0.036881097	23.3263092	0.000974033	0.000974033	4.91189E-06	0.007791042	0.001322398	0.025177	0.020075703	4.97973E-06	21.53216934	1.85022E-05	0.00024036	0.000224338
2102 Mar	91.3928833	0.082717434	0.008193114	0.000975797	13.00249672	0.03689865	23.35740089	0.000974762	0.000974762	4.91559E-06	0.007796016	0.001324359	0.0252009	0.020119945	4.98352E-06	21.57245255	1.85203E-05	0.0002408	0.000225069
2102 Apr	91.77506256	0.083059162	0.008235262	0.000979666	13.06151009	0.037039213	23.44810867	0.000978627	0.000978627	4.93507E-06	0.007826283	0.001330087	0.025296127	0.020216374	5.00325E-06	21.6697197	1.85944E-05	0.000241901	0.000226274
2102 May	93.58882904	0.0846503	0.008413511	0.000998589	13.32502174	0.037732922	23.90081406	0.00099753	0.00099753	5.03039E-06	0.007976072	0.001356619	0.02577869	0.020636113	5.09987E-06	22.10907173	1.89597E-05	0.000246853	0.000231233
2102 Jun	56.87438202	0.028031891	0.007113814	0.000947647	7.480265617	0.02326085	11.43219185	0.000947182	0.000947182	4.75573E-06	0.007248246	0.000981347	0.016561182	0.013190034	4.78795E-06	13.34313393	2.12099E-05	0.000204331	0.000135306
2102 Jul	47.71104813	0.012763479	0.006808771	0.000982936	6.25177002	0.022187511	8.020132065	0.000982643	0.000982643	4.92637E-06	0.007165026	0.000937266	0.014180073	0.01178344	4.94776E-06	11.3605566	2.12001E-05	0.00019135	0.000110541
2102 Aug	54.08784485	0.018415842	0.006798169	0.001014012	7.299690247	0.027159687	10.38384724	0.001013619	0.001013619	5.0857E-06	0.007054487	0.00101882	0.016455485	0.012794997	5.11433E-06	12.79963684	1.89106E-05	0.000194308	0.000114889
2102 Sep	59.00455475	0.032697681	0.006532524	0.001012614	8.48504734	0.031421728	12.07073784	0.001012161	0.001012161	5.08115E-06	0.007093629	0.001063698	0.017955199	0.013661455	5.11422E-06	14.06381416	1.72139E-05	0.000197317	0.00011832
2102 Oct	63.49783325	0.06388858	0.00565822	0.000964512	9.975078583	0.035593741	13.72607517	0.000964019	0.000964019	4.84256E-06	0.007447054	0.001079132	0.018515624	0.014598289	4.87908E-06	15.32393932	1.65054E-05	0.000191984	0.000123742
2102 Nov	66.38904572	0.065831855	0.005640681	0.000966279	10.09919167	0.035972353	15.03520966	0.000965724	0.000965724	4.85392E-06	0.007517505	0.001094352	0.019533621	0.014725943	4.89504E-06	15.71356869	1.67522E-05	0.000192961	0.000125808
2102 Dec	67.623703	0.065930963	0.005642373	0.0009665	10.10651302	0.035993747	15.63236332	0.000965916	0.000965916	4.85622E-06	0.007530284	0.001099623	0.020000692	0.014739774	4.89953E-06	15.85095787	1.68632E-05	0.00019322	0.000126487
2103 Jan	67.74674225	0.065996863	0.005656745	0.000966663	10.1209898	0.035997536	15.671525	0.000966078	0.000966078	4.8571E-06	0.007531947	0.001100868	0.020027662	0.014768296	4.90054E-06	15.88065529	1.68738E-05	0.00019348	0.000127009
2103 Feb	67.82657623	0.066063553	0.005678254	0.000967142	10.14095306	0.036005445	15.67904472	0.000966557	0.000966557	4.8595E-06	0.007534626	0.00110238	0.020031141	0.01480839	4.90294E-06	15.91244316	1.6884E-05	0.000193863	0.000127685
2103 Mar	67.92498016	0.066153362	0.005694585	0.000968186	10.16004848	0.036038868	15.69582176	0.0009676	0.0009676	4.86474E-06	0.007542179	0.001104096	0.020049233	0.014842247	4.90821E-06	15.94265938	1.69032E-05	0.000194229	0.000128158
2103 Apr	68.31699371	0.066531681	0.005732088	0.000973567	10.22119522	0.036236078	15.78298378	0.000972978	0.000972978	4.89177E-06	0.007583771	0.001110536	0.020158656	0.014934995	4.93549E-06	16.03875542	1.69977E-05	0.000195398	0.000129062
2103 May	82.72338104	0.067198098	0.011124372	0.000981571	13.69223976	0.031058952	16.7958889	0.000981003	0.000981003	4.93179E-06	0.007351412	0.001368952	0.019350873	0.023476943	4.97533E-06	22.40459633	1.9018E-05	0.000277137	0.000297671
2103 Jun	74.78884125	0.043253537	0.014801877	0.000934272	13.79598045	0.019514469	10.7834568	0.000934009	0.000934009	4.68372E-06	0.006653381	0.001376544	0.013306688	0.026878478	4.70595E-06	23.21511459	2.11024E-05	0.000320533	0.000390646
2103 Jul	68.98947144	0.031015798	0.011790305	0.000977654	11.22807312	0.022830205	11.76179409	0.000977315	0.000977315	4.9043E-06	0.006771442	0.001272406	0.015077955	0.021754673	4.93313E-06	19.49119949	2.02475E-05	0.000267074	0.000290009
2103 Aug	64.16255951	0.024292368	0.008504683	0.000991744	9.822378159	0.031779855	13.20306301	0.000991334	0.000991334	4.97838E-06	0.005983521	0.001232434	0.016486499	0.01799541	5.01369E-06	16.81856918	1.35457E-05	0.000196812	0.00020015
2103 Sep	71.63104248	0.050148472	0.007221519	0.000972944	10.61238766	0.035513941	16.76908684	0.000972405	0.000972405	4.89092E-06	0.006655694	0.001217132	0.019787069	0.017309396	4.9379E-06	17.5350914	1.43857E-05	0.000196402	0.000177657
2103 Oct	71.25177002	0.080248974	0.005802963	0.000944511	11.40231609	0.038811676	16.53846741	0.000944011	0.000944011	4.74746E-06	0.007425442	0.001163395	0.019796874	0.016608996	4.79201E-06	17.3828125	1.52927E-05	0.000192487	0.000152986
2103 Nov	72.07950592	0.085544124	0.005569125	0.000941257	11.55644703	0.039445344	16.90644646	0.000940748	0.000940748	4.73179E-06	0.007575989	0.001159254	0.020128855	0.016519295	4.7774E-06	17.46793747	1.55416E-05	0.00019225	0.000149373
2103 Dec	73.2401886	0.085603595	0.005568911	0.000941305	11.55914021	0.039453525	17.47270966	0.000940773	0.000940773	4.73319E-06	0.007587024	0.001163947	0.020571973	0.016526081	4.78087E-06	17.5933857	1.56475E-05	0.000192462	0.000149946
2104 Jan	73.33448792	0.085649773	0.005586104	0.000941407	11.5738287	0.039448552	17.49622536	0.000940874	0.000940874	4.73374E-06	0.007587631	0.001165091	0.020585906	0.016557014	4.78149E-06	17.62136841	1.56562E-05	0.000192754	0.000150527
2104 Feb	73.40342712	0.085694298	0.005610855	0.000941606	11.59383488	0.039440967	17.49821854	0.000941073	0.000941073	4.73472E-06	0.007587709	0.001166489	0.020581538	0.016600244	4.78246E-06	17.65371895	1.56625E-05	0.000193154	0.000151314
2104 Mar	73.51748657	0.085808031	0.005630101	0.000942699	11.61677742	0.039478138	17.51760674	0.000942165	0.000942165	4.74021E-06	0.007595692	0.001168466	0.020600714	0.016640978	4.78799E-06	17.68967247	1.56823E-05	0.000193572	0.000151897
2104 Apr	74.18511963	0.086572319	0.00568689	0.000951007	11.7244978	0.039821237	17.67316628	0.000950469	0.000950469	4.78199E-06	0.007662199	0.001179128	0.020780945	0.016799737	4.83018E-06	17.8546524	1.58217E-05	0.000195388	0.000153467
2104 May	86.63043213	0.077417709	0.013650762	0.000965426	16.06947327	0.030134611	15.42369938	0.000965038	0.000965038	4.84699E-06	0.007171768	0.00149803	0.016994489	0.02842683	4.88244E-06	25.70129013	1.87363E-05	0.00031404	0.000387992
2104 Jun	76.76883698	0.048705515	0.015747942	0.000933695	14.8803215	0.019947609	10.35420704	0.000933494	0.000933494	4.6793E-06	0.006602978	0.0014351	0.012576349	0.028904857	4.69855E-06	24.63891602	2.07232E-05	0.000335537	0.000425019
2104 Jul	74.40909576	0.039489042	0.013649229	0.000989537	13.11268616	0.023108082	11.72012234	0.000989261	0.000989261	4.96248E-06	0.006830494	0.001385707	0.014548159	0.025384856	4.98878E-06	22.225145 34	2.04691E-05	0.00029918	0.000353006
2104 Aug	75.64057922	0.038703956	0.011980614	0.001010496	12.58318615	0.02815997	13.89510441	0.001010133	0.001010133	5.07206E-06	0.006665616	0.001370427	0.017060265	0.023303766	5.10685E-06	21.28031731	1.78085E-05	0.000273182	0.00030258
2104 Sep	75.04782867	0.05257294	0.009283292	0.000981609	12.10174274	0.033627987	15.76000786	0.000981177	0.000981177	4.93164E-06	0.006719089	0.001278198	0.019415122	0.020081716	4.97352E-06	19.68608475	1.53235E-05	0.000241006	0.000230241
2104 Oct	74.23316193	0.076375879	0.007186508	0.00095667	12.09649467	0.037307374	16.50981712	0.000956226	0.000956226	4.80815E-06	0.007346332	0.001212847	0.01997745	0.018285716	4.85208E-06	18.71453857	1.57476E-05	0.000217877	0.000186762
2104 Nov	73.89571381	0.081514366	0.006763122	0.000953584	12.12153816	0.038160138	16.54164505	0.000953143	0.000953143	4.79269E-06	0.007491008	0.001200513	0.020013636	0.017947797	4.83656E-06	18.51662064	1.5841E-05	0.000213458	0.000177892
2104 Dec	74.92638397	0.081582524	0.006761816	0.000953765	12.12465191	0.038175814	17.04375458	0.000953306	0.000953306	4.79464E-06	0.007501979	0.001204779	0.020407252	0.017954146	4.84034E-06	18.62812996	1.5936E-05	0.000213638	0.000178376
2105 Jan	75.57469177	0.081599496	0.006773687	0.000953549	12.13272762	0.038160704	17.34946823	0.000953079	0.000953079	4.79419E-06	0.007504886	0.001207734	0.02063985	0.01797637	4.841E-06	18.70859528	1.5991E-05	0.000213897	0.000179088
2105 Feb	75.67523956	0.081641316	0.006793894	0.000953746	12.14947319	0.038156517	17.37227249	0.000953275	0.000953275	4.79521E-06	0.007505612	0.001209086	0.020652968	0.018012352	4.84209E-06	18.74002266	1.60004E-05	0.000214233	0.000179753
2105 Mar	75.7352066	0.081688337	0.006806898	0.000954136	12.16219902	0.038165558	17.38139725	0.000953664	0.000953664	4.79717E-06	0.007508098	0.001210111	0.020659639	0.018037202	4.84406E-06	18.760849	1.60087E-05	0.000214477	0.00018016
2105 Apr	76.11450195	0.082090072	0.006845568	0.000958737	12.22528648	0.038345858	17.4651413	0.000958263	0.000958263	4.8203E-06	0.007543951	0.001216239	0.020757288	0.018134171	4.86742E-06	18.85857773	1.60866E-05	0.0002156	0.000181218
2105 May	87.74243927	0.075343527	0.013844077	0.000967088	16.0900631	0.029783662	15.82050133	0.000966724	0.000966724	4.85638E-06	0.007126664	0.001502512	0.017475775	0.02850575	4.89338E-06	25.88883591	1.87698E-05	0.00031848	0.000390704
2105 Jun	86.81204987	0.060051866	0.017610805	0.000972618	17.12072945	0.022095697	12.17849064	0.000972401	0.000972401	4.87616E-06	0.006840141	0.001593777	0.013717216	0.032930028	4.89918E-06	28.11278343	2.10778E-05	0.000370354	0.00049002
2105 Jul	85.09776306	0.050668292	0.015523332	0.001011942	15.45528889	0.02547719	13.97397804	0.001011645	0.001011645	5.07758E-06	0.006836016	0.001552445	0.015690504	0.029663101	5.10906E-06	25.90916252	1.99033E-05	0.000329944	0.000423302
2105 Aug	78.71523285	0.04133334	0.010759139	0.000982804	12.57917118	0.032290563	16.62589836	0.000982392	0.000982392	4.9394E-06	0.006135498	0.001368489	0.019207478	0.022320898	4.984E-06	21.19306183	1.41615E-05	0.000249521	0.000276946
2105 Sep	81.78778076	0.063220926	0.007515084	0.000950811	11.91824055	0.037449408	20.5112381	0.000950282	0.000950282	4.78782E-06	0.006695703	0.001255892	0.023290303	0.018344661	4.84701E-06	19.56828308	1.38136E-05	0.000216895	0.0001926
2105 Oct	84.19475555	0.080933601	0.006234679	0.000934002	11.91092873	0.039032042	22.28775787	0.000933432	0.000933432	4.70728E-06	0.007315895	0.001221557	0.024532968	0.01729448	4.7725E-06	19.27321815	1.53965E-05	0.000204977	0.000169577
2105 Nov	82.97091675	0.086157881	0.005881318	0.000931421	11.93572617	0.039578609	21.81587219	0.000930873	0.000930873	4.6933E-06	0.00749292	0.001206093	0.024141097	0.017022599	4.75661E-06	19.00714493	1.56936E-05	0.000201686	0.000162285
2105 Dec	83.64056396	0.086220443	0.005879214	0.000931505	11.9374733	0.039588083	22.14274788	0.000930947	0.000930947	4.69441E-06	0.007500823	0.001208802	0.024396876	0.017025592	4.75891E-06	19.07891846	1.57583E-05	0.000201792	0.000162581
2106 Jan	83.71854401	0.086265005	0.005896218	0.000931599	11.95171165	0.039581891	22.1587677	0.000931041	0.000931041	4.6949E-06	0.007501364	0.001209874	0.024404421	0.017056162	4.75945E-06	19.1048336	1.57665E-05	0.000202073	0.000163153
2106 Feb	83.78103638	0.086300649	0.005920467	0.000931708	11.97048378	0.03956997	22.15945625	0.00093115	0.00093115	4.69544E-06	0.007500757	0.001211165	0.024398113	0.017097864	4.75996E-06	19.13551331	1.57718E-05	0.000202452	0.000163929
2106 Mar	83.8556366	0.086365283	0.005936787	0.000932255	11.98698807	0.039584197	22.16979599	0.000931697	0.000931697	4.69818E-06	0.007504326	0.00121249	0.024406169	0.01712954	4.76272E-06	19.16190338	1.57826E-05	0.000202764	0.000164436
2106 Apr	84.4034729	0.086922519	0.005981903	0.000938183	12.06864929	0.039830763	22.3092556	0.000937622	0.000937622	4.72805E-06	0.007551572	0.001220553	0.024557786	0.017250875	4.79299E-06	19.29244995	1.58838E-05	0.000204164	0.000165717
2106 May	90.20825195	0.084505521	0.009047772	0.00095823	13.82328796	0.036652293	21.78471184	0.000957705	0.000957705	4.82612E-06	0.007496723	0.001358053	0.023437245	0.021843601	4.88726E-06	22.47340965	1.73508E-05	0.000250833	0.000256134
2106 Jun	68.3452301	0.03682448	0.012195078	0.000942321	11.55315781	0.020568779	10.87184429	0.000942118	0.000942118	4.72614E-06	0.006871996	0.001239828	0.014355125	0.022133477	4.75143E-06	19.75275803	2.13002E-05	0.000281128	0.000302662
2106 Jul	65.46077728	0.025017697	0.009839057	0.00100195	9.432618141	0.023636609	12.40933132	0.001001683	0.001001683	5.02897E-06	0.007102709	0.001177782	0.016553612	0.018043047	5.0624E-06	16.92058182	2.11361E-05	0.000239684	0.00022096
2106 Aug	67.39400482	0.026318138	0.007714624	0.000988338	9.333460808	0.031808127	15.42995834	0.00098799	0.00098799	4.96719E-06	0.006257827	0.001181532	0.019231763	0.016253747	5.01147E-06	16.32205772	1.45757E-05	0.00019754	0.000169641
2106 Sep	76.39820099	0.050716743	0.006411863	0.000960463	10.42733574	0.03717849	19.74798203	0.000960016	0.000960016	4.83602E-06	0.006539971	0.001180388	0.023334654	0.015730035	4.89446E-06	17.42540932	1.3265E-05	0.000196267	0.000146585
2106 Oct	84.79917908	0.065714084	0.005969845	0.000954107	10.91795349	0.038506385	23.57988167	0.000953567	0.000953567	4.81182E-06	0.007058249	0.001208157	0.02611196	0.015948325	4.88335E-06	18.4876709	1.49422E-05	0.000196861	0.000148692
2106 Nov	86.44734192	0.066190504	0.005982071	0.000957004	10.96141338	0.038650401	24.32498169	0.000956444	0.000956444	4.82785E-06	0.007099432	0.001217453	0.026714075	0.016009521	4.90205E-06	18.69726944	1.51292E-05	0.000197706	0.000149842
2106 Dec	87.25139618	0.066262312	0.005982047	0.000957132	10.96530247	0.038661182	24.71448517	0.000956561	0.000956561	4.82932E-06	0.007108593	0.001220826	0.027018487	0.016017266	4.90494E-06	18.78586388	1.5206E-05	0.000197872	0.00015027
2107 Jan	87.32754517	0.066307925	0.005992155	0.00095721	10.97490406	0.038660113	24.73736954	0.000956639	0.000956639	4.82975E-06	0.007109804	0.001221616	0.02703332	0.016036794	4.90544E-06	18.80524635	1.52146E-05	0.000198052	0.000150635
2107 Feb	87.41744232	0.066358276	0.00600825	0.000957578	10.98983955	0.038666207	24.75770187	0.000957007	0.000957007	4.83162E-06	0.007112146	0.001222873	0.027047502	0.01606692	4.90737E-06	18.83224297	1.52252E-05	0.000198345	0.000151155
2107 Mar	87.56478119	0.066461183	0.006023865	0.000958868	11.01048183	0.038713466	24.7964077	0.000958295	0.000958295	4.83814E-06	0.007121498	0.001224944	0.027085567	0.016101621	4.914E-06	18.86826515	1.52482E-05	0.00019873	0.000151611
2107 Apr	87.85391998	0.066678815	0.00604718	0.000961896	11.04859066	0.038832996	24.87567329	0.000961321	0.000961321	4.85341E-06	0.007143828	0.001229037	0.027170397	0.016159909	4.92952E-06	18.93348122	1.52974E-05	0.000199424	0.000152231
2107 May	90.20185852	0.066924319	0.010106167	0.000967139	13.48642731	0.034056176	21.54305267	0.00096668	0.00096668	4.87101E-06	0.007015673	0.001380195	0.023323497	0.02238005	4.93217E-06	22.67875862	1.68858E-05	0.000260187	0.000274374
2107 Jun	82.73506165	0.053367432	0.016236015	0.00097188	15.74276733	0.022188386	12.11428833	0.000971703	0.000971703	4.87361E-06	0.006826678	0.001512677	0.014191511	0.03021487	4.89816E-06	26.0797081	2.08967E-05	0.000347792	0.000441582
2107 Jul	78.69853973	0.040575411	0.01325688	0.000999196	13.32529736	0.026019229	14.07113361	0.000998948	0.000998948	5.01594E-06	0.006657641	0.001429399	0.016278708	0.02550048	5.0504E-06	22.75681305	1.88813E-05	0.000288782	0.000348869
2107 Aug	82.92597198	0.038613521	0.012247578	0.001037843	12.97318172	0.029887453	17.03157043	0.001037517	0.001037517	5.21564E-06	0.006688865	0.001455751	0.019128228	0.024357246	5.26125E-06	22.55031776	1.77331E-05	0.000271853	0.000318831
2107 Sep	89.33840179	0.053213265	0.010612502	0.00102794	12.90686417	0.033309042	21.1156311	0.001027515	0.001027515	5.17469E-06	0.007103358	0.001429782	0.022829326	0.022675911	5.23503E-06	22.44629288	1.79494E-05	0.000257455	0.000281008
2107 Oct	90.15747833	0.068661928	0.00878691	0.000994765	12.62343884	0.035772819	22.84025383	0.000994303	0.000994303	5.01249E-06	0.007430927	0.001360521	0.024384856	0.020659911	5.07912E-06	21.53759193	1.79083E-05	0.00023743	0.000238854
2107 Nov	87.98973846	0.074347615	0.008145786	0.000984822	12.54607582	0.036731187	22.21269989	0.00098438	0.00098438	4.96143E-06	0.007542775	0.001327637	0.023982871	0.01996173	5.0257E-06	20.96990776	1.7694E-05	0.000230246	0.000222806
2107 Dec	89.69046783	0.074390277	0.008137682	0.000984425	12.54178715	0.036730263	23.05625725	0.000983962	0.000983962	4.96125E-06	0.007555507	0.00133397	0.024640687	0.019957585	5.02862E-06	21.1454525	1.78422E-05	0.0002304	0.000223467
2108 Jan	90.25251007	0.074431621	0.008148589	0.00098434	12.55144691	0.036724214	23.31785393	0.00098387	0.00098387	4.96137E-06	0.007559093	0.001336647	0.024840767	0.019979907	5.02969E-06	21.21730614	1.78904E-05	0.000230661	0.000224107
2108 Feb	90.40396118	0.074469641	0.008167569	0.000984433	12.56691265	0.036717169	23.36793518	0.000983962	0.000983962	4.96193E-06	0.007559602	0.001338089	0.024874752	0.02001366	5.03042E-06	21.25280571	1.79031E-05	0.000230981	0.000224769
2108 Mar	90.56861877	0.074599333	0.008189793	0.000985923	12.59370327	0.036767088	23.4049015	0.000985452	0.000985452	4.96944E-06	0.007570548	0.001340627	0.024910523	0.020061022	5.03803E-06	21.2978344	1.79317E-05	0.000231484	0.000225431
2108 Apr	91.75545502	0.075578652	0.008333012	0.000997863	12.78093052	0.037187044	23.67868996	0.000997386	0.000997386	5.02958E-06	0.007659736	0.001359017	0.025190685	0.020380056	5.09892E-06	21.60955238	1.81528E-05	0.000234968	0.000229585

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 May	95.38037872	0.077901013	0.009347144	0.001021359	13.64593124	0.037346747	24.01237869	0.001020882	0.001020882	5.14716E-06	0.007793713	0.001427257	0.025367266	0.022181218	5.21668E-06	23.03318214	1.87588E-05	0.000253025	0.0002605
2108 Jun	60.41043472	0.030907799	0.009495245	0.000969917	9.344923019	0.022567162	10.16730118	0.000969751	0.000969751	4.86433E-06	0.007198788	0.001109171	0.014928415	0.017365444	4.88966E-06	16.10904694	2.1449E-05	0.000240589	0.0002101
2108 Jul	62.8697052	0.025262801	0.009079462	0.001034879	8.712664604	0.023699028	11.74031544	0.001034671	0.001034671	5.19298E-06	0.007645431	0.00112695	0.016929578	0.016327627	5.2249E-06	15.66737366	2.30101E-05	0.000237211	0.000187352
2108 Aug	71.26167297	0.028110387	0.009212859	0.001091902	9.417889595	0.027452061	15.01073837	0.001091623	0.001091623	5.48454E-06	0.007879385	0.001217873	0.020056752	0.01714915	5.52749E-06	17.09519386	2.27752E-05	0.000244245	0.000191599
2108 Sep	78.3957901	0.038881477	0.008529728	0.001074412	9.957413673	0.030580327	18.63491058	0.001074057	0.001074057	5.40432E-06	0.007871794	0.001240812	0.022935048	0.017076898	5.45966E-06	17.980299	2.16065E-05	0.000238071	0.000184187
2108 Oct	74.14015961	0.072954766	0.006448949	0.000988689	10.99736595	0.036172971	17.37714386	0.000988387	0.000988387	4.97176E-06	0.00791159	0.001172128	0.021194976	0.016455414	5.02026E-06	17.51917267	1.85166E-05	0.000211033	0.000156536
2108 Nov	74.26641846	0.078228958	0.006187107	0.000981941	11.20674419	0.037173685	17.45238495	0.000981641	0.000981641	4.93796E-06	0.007963864	0.001170115	0.021188084	0.016458882	4.98633E-06	17.58472824	1.82067E-05	0.00020839	0.000153603
2108 Dec	75.4990921	0.0782938	0.006185825	0.000981951	11.2102623	0.037187267	18.05426407	0.000981638	0.000981638	4.9393E-06	0.007974642	0.001175162	0.021657929	0.016467255	4.98987E-06	17.71866035	1.83137E-05	0.000208591	0.000154222
2109 Jan	75.61877441	0.078343056	0.006199622	0.00098202	11.22323895	0.037186857	18.09401131	0.000981706	0.000981706	4.93972E-06	0.007975281	0.001176306	0.021684797	0.016493807	4.99042E-06	17.74680901	1.83221E-05	0.000208829	0.000154727
2109 Feb	75.69224548	0.078394353	0.006220592	0.000982306	11.24147415	0.03718701	18.10137367	0.000981992	0.000981992	4.94115E-06	0.00797637	0.001177649	0.02168647	0.016531808	4.99186E-06	17.77666283	1.83293E-05	0.000209182	0.000155398
2109 Mar	75.84226227	0.078539416	0.006241309	0.000983929	11.26820183	0.037242647	18.1309166	0.000983615	0.000983615	4.94931E-06	0.007988852	0.001180127	0.021718597	0.016577194	5.00009E-06	17.81915283	1.83603E-05	0.000209686	0.000155994
2109 Apr	76.48590088	0.079196408	0.006302583	0.000991968	11.36829853	0.037541214	18.27840042	0.000991652	0.000991652	4.98974E-06	0.008053435	0.00119029	0.021892168	0.016730431	5.04093E-06	17.97759819	1.8511E-05	0.000211555	0.000157603
2109 May	83.51990509	0.075290173	0.011924837	0.000989867	14.69943714	0.031331453	15.7592535	0.000989633	0.000989633	4.97175E-06	0.007560998	0.001416404	0.018227845	0.02529457	5.01009E-06	23.56398582	1.96036E-05	0.000292905	0.000327448
2109 Jun	85.98905182	0.060635906	0.017923255	0.000991733	17.34912491	0.022216246	11.26019382	0.00099162	0.00099162	4.97001E-06	0.006985106	0.001610263	0.013091763	0.033428721	4.98938E-06	28.30041504	2.1531E-05	0.000376861	0.000496916
2109 Jul	82.64473724	0.044369232	0.014080007	0.001006875	14.1799469	0.026350049	14.81343842	0.001006665	0.001006665	5.0555E-06	0.006689406	0.001493269	0.016516145	0.027232217	5.09156E-06	24.1723938	1.90367E-05	0.00030156	0.000379112
2109 Aug	81.53605652	0.033682734	0.011005149	0.001028318	12.15523815	0.032082222	18.13832855	0.00102803	0.00102803	5.17116E-06	0.006295894	0.001438284	0.019605806	0.022892745	5.22159E-06	21.45106697	1.54809E-05	0.000239539	0.000289167
2109 Sep	87.05560303	0.052794024	0.008964123	0.000995287	12.01802731	0.03528446	22.07144547	0.000994928	0.000994928	5.01444E-06	0.006767627	0.001369274	0.023432603	0.020520117	5.07916E-06	20.97214699	1.5778E-05	0.000224788	0.000239465
2109 Oct	82.19763947	0.083857603	0.006287832	0.000945978	11.96041775	0.038890954	21.12583351	0.000945657	0.000945657	4.76559E-06	0.007553568	0.001232731	0.023182053	0.01770832	4.82626E-06	19.17679024	1.6321E-05	0.000202875	0.000175991
2109 Nov	83.91983795	0.08626093	0.006149599	0.000947612	12.01703548	0.039316997	21.9642849	0.000947276	0.000947276	4.77551E-06	0.007654448	0.001236789	0.023901774	0.017626652	4.83913E-06	19.33245659	1.65817E-05	0.000202774	0.000173658
2109 Dec	85.33903503	0.086308904	0.006149192	0.000947751	12.01952839	0.039327376	22.6566143	0.000947403	0.000947403	4.7777E-06	0.007667775	0.001242601	0.024444262	0.017635098	4.84386E-06	19.48570824	1.6711E-05	0.000203036	0.000174359
2110 Jan	85.54944611	0.086359471	0.00616282	0.000948005	12.03246212	0.039331272	22.73960114	0.000947655	0.000947655	4.77914E-06	0.007670688	0.001244172	0.024507213	0.017661445	4.84559E-06	19.52316475	1.67318E-05	0.000203308	0.000174876
2110 Feb	85.64723206	0.086414054	0.006182519	0.00094839	12.05016327	0.039335646	22.75937462	0.00094804	0.00094804	4.7811E-06	0.007672889	0.001245613	0.024520043	0.017697694	4.8476E-06	19.55454636	1.67429E-05	0.000203657	0.000175509
2110 Mar	85.76680756	0.086526662	0.006199202	0.000949508	12.07137871	0.0393757	22.78419304	0.000949158	0.000949158	4.78673E-06	0.007681313	0.001247529	0.024544451	0.017734375	4.85329E-06	19.58872223	1.67635E-05	0.00020404	0.000176015
2110 Apr	86.2004776	0.086959586	0.006235155	0.000954192	12.13493061	0.039566293	22.895416226	0.00095384	0.00095384	4.81033E-06	0.007718844	0.001253939	0.024662934	0.017830903	4.87721E-06	19.69170761	1.68468E-05	0.000205128	0.000177055
2110 May	92.14530945	0.085432753	0.008234552	0.000966438	13.29480743	0.037531506	23.60221481	0.000966083	0.000966083	4.87239E-06	0.007688314	0.001351047	0.02479139	0.020822074	4.94063E-06	22.00248337	1.79219E-05	0.00023636	0.000236725
2110 Jun	77.55900574	0.042230539	0.013641339	0.000946234	12.95694447	0.020620257	13.40659332	0.000946081	0.000946081	4.7506E-06	0.00686944	0.001348371	0.015820432	0.0249836	4.78342E-06	22.39544678	2.16868E-05	0.000304819	0.000355266
2110 Jul	72.58063507	0.031236276	0.011267624	0.000991269	10.90334606	0.023618769	13.98134899	0.000991097	0.000991097	4.97844E-06	0.006965445	0.001273881	0.017107513	0.020960389	5.01577E-06	19.4033947	2.08871E-05	0.000261615	0.000274738
2110 Aug	66.70001221	0.030236928	0.006976651	0.000962368	9.718528748	0.035505299	15.63201141	0.000962169	0.000962169	4.83817E-06	0.005732267	0.001175093	0.019512303	0.015932715	4.88261E-06	16.27762413	1.08177E-05	0.000184389	0.000154461
2110 Sep	75.60973358	0.063622363	0.005799104	0.000940378	10.8312912	0.038891222	19.44186592	0.000940132	0.000940132	4.73536E-06	0.006719597	0.001168757	0.022730337	0.015754925	4.79179E-06	17.42512321	1.29863E-05	0.000188913	0.000141607
2110 Oct	76.42663574	0.091013499	0.005072244	0.000933743	11.68842125	0.040814362	19.20622063	0.000933514	0.000933514	4.70068E-06	0.007668001	0.001158106	0.022237631	0.016067032	4.7545E-06	17.79026413	1.54055E-05	0.000190769	0.000138789
2110 Nov	78.13415527	0.093326621	0.004984812	0.000929921	11.73006916	0.040861227	20.04503822	0.00092968	0.00092968	4.68334E-06	0.007747417	0.001160747	0.022839069	0.016050156	4.74014E-06	17.96634293	1.57515E-05	0.000190599	0.000138976
2110 Dec	79.62924957	0.093356773	0.004985094	0.000929929	11.73130512	0.040862814	20.77593231	0.000929677	0.000929677	4.68497E-06	0.007760252	0.001166809	0.023409534	0.016059047	4.74445E-06	18.12743759	1.58875E-05	0.000190862	0.000139751
2111 Jan	80.20185089	0.093374453	0.005002442	0.000929886	11.74366856	0.040848535	21.036623	0.00092963	0.00092963	4.68532E-06	0.007763159	0.001169777	0.023607116	0.016090468	4.74575E-06	18.20527649	1.59376E-05	0.000191208	0.000140579
2111 Feb	80.39035797	0.093400039	0.005026344	0.000929956	11.76146984	0.040834453	21.10035515	0.000929698	0.000929698	4.68579E-06	0.00776309	0.001171528	0.023649933	0.016131461	4.74643E-06	18.24863815	1.59534E-05	0.000191596	0.000141405
2111 Mar	80.61553955	0.093627982	0.005050913	0.000932121	11.79814529	0.040920202	21.15316582	0.000931863	0.000931863	4.6967E-06	0.007780331	0.001174917	0.023703763	0.016190518	4.75749E-06	18.30750465	1.59931E-05	0.000192237	0.000142149
2111 Apr	81.36167908	0.094483219	0.005104111	0.000940575	11.91049194	0.041285988	21.34377098	0.000940315	0.000940315	4.73929E-06	0.007850365	0.001185925	0.023915417	0.016349675	4.80062E-06	18.4822216	1.61389E-05	0.000194091	0.000143673
2111 May	85.70384979	0.089450657	0.009051634	0.000960408	14.05599213	0.036855664	19.28468895	0.00096019	0.00096019	4.83265E-06	0.007658537	0.001345107	0.021370785	0.022123611	4.88417E-06	22.1662693	1.75486E-05	0.000252464	0.000257826
2111 Jun	80.65434265	0.052972551	0.016212258	0.000958939	15.56187153	0.021141723	11.27385712	0.000958849	0.000958849	4.80759E-06	0.006810395	0.001490089	0.013382627	0.030024095	4.8293E-06	25.72472954	2.11632E-05	0.000346545	0.000440968
2111 Jul	84.34373474	0.047270015	0.015173004	0.001025249	14.59613323	0.023309883	14.13047886	0.001025112	0.001025112	5.14606E-06	0.007263972	0.001498102	0.016501196	0.028147925	5.17939E-06	24.92754173	2.24195E-05	0.000332769	0.0004014
2111 Aug	74.30605316	0.037701692	0.009737317	0.000984322	11.64694977	0.032523215	15.77308178	0.00098415	0.00098415	4.947E-06	0.006171943	0.00130185	0.01904472	0.020330213	4.98968E-06	19.58483124	1.40068E-05	0.000234829	0.000239916
2111 Sep	83.33802795	0.048553701	0.007904807	0.000971441	11.48176193	0.036794834	21.44137573	0.000971191	0.000971191	4.89504E-06	0.006344681	0.001273423	0.024494963	0.018119974	4.95859E-06	19.56660652	1.30586E-05	0.000219676	0.000191764
2111 Oct	83.128479	0.07226637	0.006427777	0.000941587	11.61738491	0.038491692	21.93474197	0.000941339	0.000941339	4.74637E-06	0.007071883	0.001220295	0.024494059	0.017100068	4.81089E-06	19.02847862	1.47578E-05	0.000205507	0.000167838
2111 Nov	83.25302124	0.083581842	0.005768728	0.000931936	11.73056984	0.039454244	22.19135284	0.000931689	0.000931689	4.69842E-06	0.007439315	0.001200404	0.024549356	0.016698435	4.76342E-06	18.8455677	1.5596E-05	0.000199789	0.000157332
2111 Dec	84.66738129	0.083873831	0.005757741	0.000932174	11.7389555	0.039493877	22.87896347	0.000931918	0.000931918	4.70111E-06	0.007461846	0.001206108	0.025086518	0.016705334	4.76862E-06	18.99804306	1.57445E-05	0.000199997	0.000157889
2112 Jan	85.30104828	0.083910644	0.005776606	0.0009321	11.7532835	0.039478779	23.16706276	0.00093184	0.00093184	4.70136E-06	0.007465445	0.001209387	0.025304232	0.016740691	4.76991E-06	19.08456612	1.58008E-05	0.000200379	0.000158812
2112 Feb	85.79595184	0.083958887	0.005805267	0.000932299	11.77592373	0.039467949	23.37335968	0.000932036	0.000932036	4.70279E-06	0.007468613	0.001212661	0.025457956	0.016792452	4.77207E-06	19.16618156	1.58453E-05	0.000200904	0.000159936
2112 Mar	86.29035187	0.084195949	0.005835428	0.000934748	11.81780243	0.039561175	23.54905319	0.000934483	0.000934483	4.71539E-06	0.007489168	0.001217526	0.025609244	0.016862806	4.78526E-06	19.25973892	1.59101E-05	0.000201695	0.000160954
2112 Apr	87.04628754	0.084862731	0.005889312	0.000942046	11.91620922	0.039864227	23.76340103	0.000941778	0.000941778	4.75226E-06	0.007547628	0.001227695	0.025830276	0.017008811	4.82278E-06	19.42697525	1.60412E-05	0.000203406	0.00016251
2112 May	93.04283905	0.080246717	0.010826886	0.000959758	14.64570236	0.034081824	21.43917656	0.000959536	0.000959536	4.83402E-06	0.007337003	0.001426074	0.02271004	0.024311762	4.89311E-06	24.1373539	1.80264E-05	0.000276525	0.000307788
2112 Jun	70.11364746	0.038953468	0.013646844	0.000919018	12.66806221	0.019136049	10.15000916	0.000918943	0.000918943	4.60783E-06	0.00658893	0.001296575	0.013061853	0.02465931	4.62916E-06	21.41558266	2.0837E-05	0.000300921	0.000352362
2112 Jul	69.08675385	0.025716985	0.010479587	0.000970471	9.811304092	0.0219435	13.64846802	0.000970341	0.000970341	4.87483E-06	0.006912771	0.001195785	0.017079661	0.019014206	4.91243E-06	17.88087273	2.12685E-05	0.000248937	0.000245462
2112 Aug	81.37213898	0.02913285	0.01000354	0.001005653	10.26643181	0.026363006	19.55529022	0.001005451	0.001005451	5.06331E-06	0.006996277	0.001272257	0.022382312	0.018975837	5.12194E-06	19.29642487	2.03527E-05	0.000247322	0.000235435
2112 Sep	97.0324173	0.040680464	0.008714439	0.000989466	10.60346031	0.030841351	27.89168549	0.000989167	0.000989167	5.00031E-06	0.007044006	0.001309905	0.029340357	0.018063972	5.08888E-06	20.66626167	1.92774E-05	0.000235805	0.000212847
2112 Oct	105.4387894	0.055127945	0.007760456	0.000969945	10.89725208	0.033155054	32.36013412	0.000969598	0.000969598	4.91208E-06	0.007358257	0.001321699	0.032672994	0.01762729	5.01629E-06	21.39929962	1.97565E-05	0.000226784	0.000201655
2112 Nov	110.2730942	0.057745568	0.00760457	0.000967755	10.96386528	0.033603631	34.76333237	0.000967381	0.000967381	4.90633E-06	0.007448286	0.001338555	0.03453137	0.017591912	5.01921E-06	21.90233994	2.01528E-05	0.000226051	0.00020163
2112 Dec	110.9967804	0.057863981	0.00760348	0.000968168	10.97181034	0.033635516	35.10899734	0.00096779	0.00096779	4.90915E-06	0.007459044	0.001341851	0.034804359	0.017602585	5.02328E-06	21.9847393	2.02213E-05	0.000226229	0.000201996
2113 Jan	111.8305511	0.057902046	0.007611507	0.000967849	10.97895336	0.033624347	35.50880432	0.000967467	0.000967467	4.90843E-06	0.007463397	0.001345424	0.035110112	0.017622005	5.02402E-06	22.08315277	2.02908E-05	0.000226468	0.000202728
2113 Feb	111.9752731	0.057953387	0.007629357	0.000968131	10.9949913	0.03362653	35.55462646	0.000967747	0.000967747	4.90992E-06	0.007465408	0.001346928	0.035142705	0.017655278	5.02567E-06	22.11769867	2.03049E-05	0.000226788	0.000203342
2113 Mar	112.6316833	0.058206387	0.007668852	0.000972042	11.04648495	0.033758137	35.78745651	0.000971656	0.000971656	4.92995E-06	0.0074966	0.001353559	0.035351399	0.01774287	5.04648E-06	22.23781395	2.04041E-05	0.000227869	0.000204542
2113 Apr	113.5395279	0.05866449	0.007732694	0.000979512	11.13540173	0.034015156	36.0770874	0.000979123	0.000979123	4.96787E-06	0.007554211	0.001364339	0.0356328	0.017888088	5.08534E-06	22.41828918	2.05641E-05	0.000229701	0.000206291
2113 May	113.6256561	0.061589055	0.011965633	0.000985767	13.97988701	0.030083077	31.2450943	0.00098545	0.00098545	4.98657E-06	0.007362606	0.001523759	0.030548716	0.024675783	5.08303E-06	26.29816818	2.13611E-05	0.000292951	0.000334699
2113 Jun	87.16786194	0.050373483	0.016295632	0.0009589	15.45084858	0.020729246	14.52304268	0.000958793	0.000958793	4.81478E-06	0.006796652	0.00151553	0.015943851	0.030005381	4.84863E-06	26.37752724	2.171E-05	0.000347974	0.000444837
2113 Jul	83.77515411	0.040440626	0.013872976	0.001003623	13.59469891	0.024824461	15.86101246	0.001003496	0.001003496	5.04257E-06	0.006784122	0.001463863	0.017626645	0.026295068	5.08337E-06	23.73005486	2.01443E-05	0.000301085	0.000367691
2113 Aug	89.54033661	0.037364125	0.012161091	0.00102773	12.8110199	0.029388135	20.49304581	0.00102755	0.00102755	5.17378E-06	0.006671601	0.001469156	0.021846794	0.024113087	5.23236E-06	23.10768127	1.82677E-05	0.000271664	0.000319288
2113 Sep	91.16570282	0.053902339	0.009644151	0.000994142	12.38739872	0.03372997	23.18220901	0.000993935	0.000993935	5.01187E-06	0.006930194	0.001380814	0.024695665	0.021125885	5.08048E-06	21.85362244	1.71284E-05	0.000244735	0.000254857
2113 Oct	83.98355865	0.083793014	0.006543023	0.00094234	12.06334591	0.03813326	21.7089386	0.000942156	0.000942156	4.74939E-06	0.007586242	0.001235818	0.023758085	0.017907929	4.81218E-06	19.51421356	1.68137E-05	0.000210055	0.000182092
2113 Nov	83.57178497	0.090229645	0.006029245	0.000942362	12.12544727	0.039350171	21.69174767	0.000942181	0.000942181	4.74933E-06	0.007787129	0.00122166	0.023855006	0.017488373	4.8118E-06	19.28326035	1.69322E-05	0.000205717	0.00017035
2113 Dec	84.38131714	0.090328082	0.006028996	0.000942874	12.13262844	0.039380472	22.07892418	0.000942689	0.000942689	4.75274E-06	0.007798921	0.001225329	0.024161963	0.017498991	4.81662E-06	19.37446785	1.70107E-05	0.000205929	0.000170752
2114 Jan	84.7990036	0.090362839	0.006045356	0.000942933	12.14594555	0.03937367	22.26282883	0.000942746	0.000942746	4.75343E-06	0.007801573	0.001227722	0.024300896	0.017529603	4.81797E-06	19.43587494	1.70473E-05	0.000206252	0.000171472
2114 Feb	84.88687897	0.090398885	0.00606896	0.000943076	12.16452217	0.039364189	22.27632904	0.000942889	0.000942889	4.75416E-06	0.007801361	0.001229115	0.024305291	0.017570524	4.81873E-06	19.46880531	1.70545E-05	0.000206629	0.000172236
2114 Mar	85.09627533	0.090607673	0.006094533	0.000945127	12.20010471	0.039441351	22.32240105	0.000944939	0.000944939	4.76448E-06	0.007817435	0.00123238	0.024352361	0.017629523	4.82918E-06	19.52577209	1.70927E-05	0.000207265	0.000173005
2114 Apr	85.57769775	0.091112122	0.006135089	0.000950315	12.27232265	0.039653052	22.44359589	0.000950127	0.000950127	4.79063E-06	0.007859843	0.001239486	0.024482742	0.017738238	4.85567E-06	19.64136124	1.71871E-05	0.000208509	0.000174181
2114 May	94.0555191	0.08161471	0.012159998	0.00095505	15.38552856	0.031850714	20.49803734	0.000954894	0.000954894	4.80814E-06	0.007374074	0.001472562	0.021332812	0.026390856	4.8629E-06	25.36819077	1.91546E-05	0.000295691	0.000350786
2114 Jun	94.4671402	0.06032839	0.017467828	0.000982446	17.0218811	0.022342928	16.00364113	0.000982345	0.000982345	4.93459E-06	0.007019141	0.001623358	0.016828267	0.032744877	4.97175E-06	28.79198837	2.21196E-05	0.000370673	0.000488773
2114 Jul	98.39919281	0.053706083	0.01619765	0.00104545	15.99104691	0.025364283	19.31049347	0.001045313	0.001045313	5.2576E-06	0.007315943	0.001637205	0.020142995	0.030742595	5.30805E-06	27.93096352	2.24887E-05	0.000349366	0.000445461
2114 Aug	110.061348	0.053773943	0.015821438	0.001103775	16.13077736	0.029015362	24.93956947	0.001103585	0.001103585	5.56149E-06	0.007605148	0.001720175	0.025199832	0.030605122	5.63234E-06	29.09503365	2.27921E-05	0.000347555	0.0004351
2114 Sep	102.7901382	0.066439614	0.011032174	0.001026366	14.08196831	0.034551546	26.3000946	0.001026163	0.001026163	5.17873E-06	0.007476422	0.001495479	0.0272616	0.023919303	5.25663E-06	24.81014824	1.92372E-05	0.000279553	0.000302177
2114 Oct	101.389061	0.082646675	0.00811452	0.000972864	13.06224823	0.037390422	28.30621338	0.000972644	0.000972644	4.9161E-06	0.007776339	0.001373127	0.028920095	0.020314537	5.00206E-06	22.71910095	1.88505E-05	0.000239564	0.000231684
2114 Nov	97.9916687	0.090825021	0.006628201	0.000945347	12.53792191	0.038818721	28.01967049	0.000945133	0.000945133	4.77811E-06	0.007904452	0.001299714	0.028741123	0.018459825	4.86339E-06	21.36303139	1.84098E-05	0.000218696	0.000194397
2114 Dec	99.14363098	0.091109194	0.006582303	0.000944678	12.52399921	0.038873255	28.62339211	0.000944458	0.000944458	4.77611E-06	0.007920112	0.001302672	0.029215638	0.018411094	4.86361E-06	21.45733261	1.85101E-05	0.000218287	0.000193881
2115 Jan	99.7590332	0.091145501	0.006601071	0.000944692	12.53897285	0.038863547	28.90172768	0.00094447	0.00094447	4.77679E-06	0.007923753	0.001305945	0.029426955	0.018446781	4.86529E-06	21.54227448	1.85633E-05	0.000218672	0.000194783
2115 Feb	100.2791367	0.091183513	0.006629533	0.000944816	12.56085968	0.03884989	29.12162781	0.000944592	0.000944592	4.77788E-06	0.007926318	0.001309267	0.0295908	0.018497787	4.86717E-06	21.62607956	1.86082E-05	0.000219189	0.000195917
2115 Mar	100.6153793	0.09129253	0.006651476	0.000945797	12.58496284	0.038880017	29.24795914	0.000945572	0.000945572	4.78304E-06	0.007935031	0.001312167	0.029691769	0.018543301	4.87277E-06	21.68796158	1.86467E-05	0.000219676	0.000196703

Appendix D.2-6: B45

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Apr	101.3929825	0.091987588	0.006710063	0.00095291	12.68594074	0.039166663	29.46811295	0.000952683	0.000952683	4.81901E-06	0.007994113	0.001322462	0.029912475	0.018697197	4.9094E-06	21.86160851	1.8788E-05	0.000221457	0.000198458
2115 May	100.4653854	0.081081331	0.013420618	0.000961187	16.1433754	0.030566137	22.22470665	0.000961037	0.000961037	4.84227E-06	0.00737699	0.001543049	0.022431307	0.028295822	4.90256E-06	27.12544632	2.00571E-05	0.000316368	0.000389829
2115 Jun	101.384285	0.070890717	0.018719252	0.001007841	18.75384903	0.024350954	17.13294601	0.001007746	0.001007746	5.06272E-06	0.007207591	0.001736935	0.017466562	0.035697587	5.10172E-06	31.31414223	2.21869E-05	0.000394858	0.000534976
2115 Jul	97.8973465	0.061246995	0.016791929	0.001053131	17.24289322	0.028043246	17.84783745	0.001053026	0.001053026	5.29175E-06	0.0071599	0.001703122	0.018541228	0.032773767	5.33502E-06	29.11480141	2.06284E-05	0.000355611	0.000472493
2115 Aug	82.65444183	0.045547519	0.010880584	0.00099533	13.13379288	0.034009725	18.00850487	0.000995214	0.000995214	5.00614E-06	0.006194353	0.001412707	0.02032063	0.023051415	5.05502E-06	22.08350754	1.38156E-05	0.000253583	0.000285473
2115 Sep	91.16421509	0.050026845	0.008918046	0.000983866	12.41261196	0.037263289	23.944664	0.000983699	0.000983699	4.96252E-06	0.006299125	0.001364621	0.026139792	0.020118127	5.03409E-06	21.54100037	1.31235E-05	0.000234806	0.000227988
2115 Oct	100.571167	0.060330521	0.00810341	0.000971389	12.33130836	0.038027383	29.00372696	0.000971183	0.000971183	4.91125E-06	0.006732446	0.001371358	0.030004125	0.019404722	5.00121E-06	22.14208794	1.48593E-05	0.000228245	0.00021673
2115 Nov	98.74188995	0.072670229	0.007118607	0.000956526	12.23119831	0.038958523	28.65574265	0.000956325	0.000956325	4.83603E-06	0.007148749	0.001326225	0.029631495	0.018472191	4.92448E-06	21.4519043	1.57677E-05	0.000218076	0.000196326
2115 Dec	99.074646	0.073498912	0.007064242	0.00095647	12.23606682	0.039051179	28.83474731	0.000956269	0.000956269	4.83613E-06	0.007183751	0.001326078	0.029771609	0.018433133	4.92521E-06	21.46689796	1.58698E-05	0.000217705	0.000195425
2116 Jan	100.0124588	0.073562145	0.007083084	0.000956309	12.25131416	0.039033655	29.27105331	0.000956104	0.000956104	4.83628E-06	0.007190221	0.00133055	0.030103669	0.018471261	4.92695E-06	21.58679008	1.59556E-05	0.000218145	0.000196533
2116 Feb	100.2605743	0.073653787	0.007117393	0.000956861	12.28144646	0.039035857	29.34479332	0.000956655	0.000956655	4.83918E-06	0.007193991	0.0013333	0.030155314	0.018534329	4.93008E-06	21.64943886	1.59816E-05	0.000218755	0.00019769
2116 Mar	100.4200745	0.073769741	0.007142365	0.00095802	12.30881882	0.039072171	29.3792572	0.000957814	0.000957814	4.84504E-06	0.00720199	0.001335725	0.030185511	0.018584821	4.93603E-06	21.69586563	1.60043E-05	0.000219271	0.000198461
2116 Apr	101.1384048	0.07430131	0.007201537	0.000964729	12.40201473	0.039339639	29.58135414	0.000964522	0.000964522	4.87895E-06	0.007251973	0.001345508	0.030390976	0.01873064	4.97056E-06	21.85844612	1.61176E-05	0.000220946	0.000200145
2116 May	107.3865356	0.072436839	0.011836213	0.00097195	15.0007906	0.033406559	27.66018486	0.000971769	0.000971769	4.90912E-06	0.007131638	0.001527016	0.027517108	0.025643002	4.99086E-06	26.37384987	1.84836E-05	0.00029047	0.000339307
2116 Jun	77.55632782	0.043448787	0.014732638	0.000926343	13.80060196	0.019581398	12.2348547	0.000926287	0.000926287	4.64838E-06	0.006598361	0.001384488	0.014376807	0.02685977	4.67592E-06	23.50628281	2.10163E-05	0.000319375	0.000391701
2116 Jul	78.4026413	0.036402714	0.013322342	0.001004244	12.39804935	0.021561692	14.11977196	0.00100417	0.00100417	5.04311E-06	0.00722363	0.001360191	0.017084308	0.024095139	5.0793E-06	21.88456726	2.28665E-05	0.000302286	0.00033531
2116 Aug	86.58926392	0.03872012	0.012845356	0.001048031	12.70546818	0.025643295	18.05532646	0.001047929	0.001047929	5.2705E-06	0.007377521	0.001419458	0.020897178	0.023900978	5.32067E-06	22.74348259	2.21626E-05	0.000300238	0.000321493
2116 Sep	87.54347229	0.062084191	0.009206143	0.000989952	12.22700214	0.032779556	21.43296051	0.000989829	0.000989829	4.98752E-06	0.007459395	0.001314579	0.023887472	0.02015656	5.04992E-06	21.02059555	1.90891E-05	0.000250856	0.000237076
2116 Oct	87.08321381	0.088434979	0.006422239	0.000952497	12.16341114	0.038353644	23.00245094	0.000952367	0.000952367	4.80328E-06	0.007921461	0.001239487	0.025069764	0.017762054	4.87066E-06	19.80215263	1.80686E-05	0.000215272	0.000178678
2116 Nov	89.86047363	0.090984412	0.006219661	0.00095345	12.2094202	0.038976666	24.42780685	0.00095331	0.00095331	4.81113E-06	0.008012472	0.001248441	0.026209835	0.017651895	4.88361E-06	20.04761696	1.82786E-05	0.000213658	0.000175855
2116 Dec	90.98161316	0.090990148	0.006215567	0.000953165	12.20645905	0.0389724	24.98340416	0.000953022	0.000953022	4.81095E-06	0.008019892	0.00125269	0.026641814	0.017651366	4.88547E-06	20.16430855	1.83747E-05	0.000213764	0.000176344
2117 Jan	91.46575928	0.091003373	0.006228541	0.000953036	12.21583843	0.038960021	25.20630836	0.000952891	0.000952891	4.81079E-06	0.008021649	0.001255108	0.026810296	0.017675575	4.88612E-06	20.22882462	1.84145E-05	0.000214023	0.000177009
2117 Feb	91.58848572	0.091026947	0.006248478	0.000953078	12.23096466	0.038948845	25.2424736	0.000952933	0.000952933	4.81107E-06	0.008021154	0.001256435	0.026832521	0.017709952	4.88652E-06	20.26154518	1.84237E-05	0.00021434	0.000177685
2117 Mar	91.75222778	0.091176428	0.006268718	0.000954531	12.25756645	0.039001174	25.28019714	0.000954386	0.000954386	4.8184E-06	0.008032595	0.001258879	0.026869364	0.017755061	4.89395E-06	20.30543518	1.84527E-05	0.000214827	0.0001783
2117 Apr	92.59824371	0.092012063	0.006331905	0.000963214	12.37365341	0.039351933	25.5084877	0.000963068	0.000963068	4.86222E-06	0.008105199	0.001270626	0.027110491	0.017926984	4.93845E-06	20.49736214	1.86209E-05	0.000216873	0.000180119
2117 May	95.17201996	0.085230976	0.011267765	0.000975964	15.04769135	0.03361284	21.64598656	0.000975851	0.000975851	4.91571E-06	0.007714785	0.001454303	0.022787683	0.025147835	4.97497E-06	24.81223679	1.97259E-05	0.000287705	0.000322974
2117 Jun	88.84536743	0.062649965	0.017013654	0.000988151	16.91002464	0.023353904	13.55898094	0.000988098	0.000988098	4.95786E-06	0.007089064	0.001590492	0.015112941	0.032172844	4.9861E-06	27.90410042	2.15952E-05	0.000364722	0.000473024
2117 Jul	88.6495285	0.054652505	0.015501164	0.001042017	15.72101974	0.026735727	15.26130772	0.001041951	0.001041951	5.23176E-06	0.007188395	0.001583723	0.017018577	0.029883701	5.26755E-06	26.43085861	2.08672E-05	0.000335325	0.000422945
2117 Aug	89.47718048	0.050431505	0.0136322	0.00105657	14.71169853	0.030737313	17.75668526	0.001056484	0.001056484	5.31077E-06	0.007008054	0.001547358	0.019733932	0.02717682	5.35686E-06	25.02133751	1.86527E-05	0.000304377	0.000365183
2117 Sep	95.0891037	0.057907999	0.012083581	0.001046724	14.29026985	0.033400308	21.77035904	0.001046613	0.001046613	5.27067E-06	0.007212861	0.001516721	0.023381563	0.025243614	5.33182E-06	24.63247299	1.84794E-05	0.000287194	0.000325773
2117 Oct	91.48493195	0.074722432	0.009386829	0.001002419	13.47553539	0.036372203	22.32068825	0.001002305	0.001002305	5.05067E-06	0.007557949	0.001394821	0.024056878	0.021943042	5.11433E-06	22.51544952	1.80404E-05	0.000252603	0.000258516
2117 Nov	90.53829956	0.078582361	0.008774023	0.000992634	13.29367065	0.037062664	22.37872124	0.000992519	0.000992519	5.00194E-06	0.007637907	0.001366818	0.02416048	0.021195479	5.06591E-06	22.02274513	1.79321E-05	0.000244758	0.00024316
2117 Dec	91.76739502	0.078798294	0.00873968	0.000992052	13.28319645	0.037100021	23.01034164	0.000991933	0.000991933	5.00044E-06	0.007652299	0.001370414	0.024656845	0.021159897	5.06674E-06	22.13246536	1.80399E-05	0.000244532	0.000242954
2118 Jan	92.24890137	0.078856528	0.008754437	0.000991971	13.29672337	0.037093233	23.22685432	0.000991851	0.000991851	5.00051E-06	0.007655218	0.001372961	0.024820119	0.021189738	5.06759E-06	22.20033073	1.80808E-05	0.000244843	0.000243691
2118 Feb	92.32701874	0.078915499	0.008782092	0.000992186	13.31971836	0.037086107	23.22913361	0.000992066	0.000992066	5.00157E-06	0.007655402	0.001374542	0.024815015	0.021238768	5.06863E-06	22.23707962	1.80875E-05	0.000245292	0.00024458
2118 Mar	92.42647552	0.078998819	0.008802869	0.000992945	13.3408947	0.037106253	23.24396515	0.000992826	0.000992826	5.00539E-06	0.007660439	0.001376283	0.024827167	0.021279264	5.07247E-06	22.27121735	1.81026E-05	0.000245695	0.000245221
2118 Apr	94.6591568	0.080799408	0.00971053	0.0009979	14.08212185	0.036783833	23.18027878	0.000997783	0.000997783	5.02948E-06	0.007647961	0.001425485	0.024531532	0.02287483	5.09544E-06	23.43434715	1.82701E-05	0.000260158	0.00027436
2118 May	95.92702484	0.075018793	0.016451716	0.000979081	17.79414558	0.027710212	16.87332153	0.000979012	0.000979012	4.919E-06	0.007020374	0.001643134	0.01750656	0.032752737	4.95792E-06	29.14050865	1.96991E-05	0.00035719	0.000473428
2118 Jun	79.80216217	0.051790137	0.017273011	0.000948458	16.15659142	0.019658612	9.828112602	0.000948432	0.000948432	4.75186E-06	0.006613696	0.001519175	0.011823444	0.031614382	4.76762E-06	26.53668594	2.09781E-05	0.000360406	0.000473119
2118 Jul	83.29020691	0.048260145	0.016617656	0.001025406	15.66367054	0.022427712	11.93991184	0.001025366	0.001025366	5.14161E-06	0.007095819	0.001554364	0.014289797	0.030594459	5.16564E-06	26.22677422	2.20423E-05	0.000352963	0.000445976
2118 Aug	84.01494598	0.044113863	0.01233668	0.00100404	13.51103973	0.029943516	17.11466217	0.001003965	0.001003965	5.04781E-06	0.00654214	0.00142574	0.019820282	0.024366569	5.09332E-06	22.97320938	1.68427E-05	0.000285266	0.000318753
2118 Sep	82.41516113	0.072178453	0.007639963	0.000947681	12.2834549	0.03681552	20.21538544	0.00094759	0.00094759	4.77332E-06	0.007107852	0.001255282	0.022913124	0.018827721	4.83082E-06	19.92720985	1.55279E-05	0.000225341	0.000201747
2118 Oct	85.22457123	0.089845806	0.005913089	0.000928189	12.0738306	0.039242957	22.68954086	0.000928088	0.000928088	4.6812E-06	0.007671682	0.001212649	0.024746748	0.017220549	4.74748E-06	19.36232185	1.65817E-05	0.000205364	0.000167162
2118 Nov	87.98952484	0.09249372	0.005675071	0.000926792	12.06117249	0.039648291	24.17297173	0.000926683	0.000926683	4.67749E-06	0.007780951	0.001217409	0.025902273	0.017027231	4.74915E-06	19.54981804	1.69549E-05	0.000203187	0.000163596
2118 Dec	88.09576416	0.092601977	0.00567592	0.000927474	12.070117	0.039684195	24.21255302	0.000927365	0.000927365	4.68098E-06	0.00778842	0.001218398	0.025938468	0.017037313	4.75277E-06	19.56728745	1.69731E-05	0.00020331	0.000163668
2119 Jan	88.63352966	0.092631526	0.005692888	0.000927532	12.08343983	0.03967585	24.45491791	0.000927422	0.000927422	4.68181E-06	0.007791884	0.001221301	0.026122671	0.017069325	4.75447E-06	19.64191437	1.70206E-05	0.000203658	0.000164469
2119 Feb	89.07109833	0.092671908	0.005717564	0.000927749	12.1031208	0.03966843	24.63773155	0.000927638	0.000927638	4.68328E-06	0.007794881	0.001224198	0.026259612	0.017114157	4.7566E-06	19.71354866	1.70598E-05	0.000204115	0.000165438
2119 Mar	89.34750366	0.092932507	0.005745627	0.000930249	12.14494324	0.03976642	24.70721245	0.000930138	0.000930138	4.69591E-06	0.007815048	0.001228147	0.026328718	0.017181506	4.76942E-06	19.78273201	1.7108E-05	0.000204856	0.000166293
2119 Apr	96.38581848	0.097007714	0.00897532	0.00094402	14.61270523	0.038136084	24.21221352	0.000943916	0.000943916	4.76188E-06	0.007695018	0.001394396	0.025032854	0.022694843	4.83066E-06	23.70934486	1.76107E-05	0.000254728	0.000268606
2119 May	102.9222412	0.080167979	0.021689754	0.000945854	21.47382355	0.022420859	14.42006683	0.000945817	0.000945817	4.74489E-06	0.006502005	0.001852111	0.013658226	0.041320045	4.77059E-06	34.83367157	2.01024E-05	0.000434717	0.000641144
2119 Jun	88.6502533	0.05641643	0.017831808	0.000956104	16.91040993	0.020391386	13.18693924	0.000956066	0.000956066	4.797E-06	0.006722476	0.001590515	0.014307152	0.032941867	4.8241E-06	28.26903152	2.15086E-05	0.000371979	0.000496973
2119 Jul	92.18804932	0.049271464	0.016378621	0.001026579	15.49442768	0.022353312	16.4929409	0.001026521	0.001026521	5.1578E-06	0.00729213	0.00157433	0.018040329	0.030163623	5.19878E-06	26.92415237	2.33131E-05	0.000353601	0.000441986
2119 Aug	91.14167023	0.04769649	0.013478469	0.00103262	14.29073524	0.028912971	18.95676613	0.001032548	0.001032548	5.19434E-06	0.006970241	0.00149722	0.021298073	0.026106939	5.24571E-06	24.7089901	1.92428E-05	0.000310118	0.000352578
2119 Sep	90.01049805	0.061298821	0.009474277	0.000980454	12.87082005	0.034785312	22.25036812	0.000980366	0.000980366	4.94162E-06	0.006977111	0.001349754	0.024661094	0.020931931	5.00632E-06	21.88650131	1.64561E-05	0.000254012	0.000246533
2119 Oct	89.92508698	0.078675546	0.007436339	0.000950883	12.45762062	0.03735318	23.74255753	0.000950789	0.000950789	4.79705E-06	0.007440394	0.001282033	0.025673721	0.018862804	4.86714E-06	20.75369453	1.69101E-05	0.000227304	0.00020296
2119 Nov	90.01196289	0.083780892	0.006836104	0.000942242	12.335495	0.038111225	24.23701477	0.000942146	0.000942146	4.75494E-06	0.00757773	0.001262564	0.026016112	0.018253256	4.82682E-06	20.43166542	1.70533E-05	0.000219459	0.000190164
2119 Dec	90.77373505	0.083866581	0.006833601	0.000942559	12.33978462	0.038134448	24.60559654	0.000942462	0.000942462	4.75735E-06	0.007587966	0.001265853	0.02630648	0.018259477	4.83057E-06	20.51509666	1.71263E-05	0.000219604	0.000190502

Appendix D.2-6: B45

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	6.3E-04	7.8E-02	9.5E-06	8.5E-01	1.2E+00	1.0E-02	1.2E-04	2.6E+00	9.4E-04	8.6E-03	3.7E-05	4.7E-05	4.1E-05	4.9E-02	1.9E-06	4.8E-05	1.6E-04	1.2E-03	0.0E+00
Operations (2020-2043): Mean	8.6E-04	1.1E-01	1.0E-05	1.1E+00	1.9E+00	2.3E-02	3.2E-04	4.0E+00	1.1E-03	1.0E-02	1.7E-04	1.2E-04	5.4E-05	7.6E-02	2.0E-06	6.7E-05	4.1E-04	1.6E-03	0.0E+00
Operations (2020-2043): Max	1.3E-03	2.4E-01	1.1E-05	2.2E+00	4.7E+00	1.1E-01	5.0E-04	7.7E+00	1.8E-03	1.2E-02	9.8E-04	2.4E-04	1.3E-04	1.8E-01	2.2E-06	8.1E-05	1.3E-03	2.1E-03	0.0E+00
Active Closure (2044-2050): Min	6.4E-04	8.4E-02	9.6E-06	8.7E-01	1.2E+00	1.1E-02	1.2E-04	2.6E+00	9.7E-04	8.9E-03	4.8E-05	7.2E-05	4.3E-05	5.0E-02	1.9E-06	4.9E-05	2.4E-04	1.3E-03	0.0E+00
Active Closure (2044-2050): Mean	8.1E-04	9.5E-02	1.0E-05	1.1E+00	1.6E+00	1.7E-02	3.2E-04	3.6E+00	1.1E-03	1.0E-02	1.1E-04	1.2E-04	4.9E-05	6.7E-02	2.0E-06	6.5E-05	3.6E-04	1.6E-03	0.0E+00
Active Closure (2044-2050): Max	9.6E-04	1.6E-01	1.1E-05	1.5E+00	3.0E+00	6.3E-02	4.5E-04	5.2E+00	1.4E-03	1.1E-02	5.3E-04	2.2E-04	8.7E-05	1.2E-01	2.2E-06	7.7E-05	8.7E-04	2.1E-03	0.0E+00
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	6.7E-04	7.9E-02	9.2E-06	9.0E-01	1.5E+00	1.2E-02	1.3E-04	3.5E+00	1.0E-03	8.7E-03	5.5E-05	8.2E-05	4.6E-05	5.3E-02	1.8E-06	5.5E-05	2.0E-04	1.1E-03	8.9E-06
Post Closure (2051-2119): Mean	1.0E-03	1.1E-01	9.9E-06	1.3E+00	3.9E+00	3.5E-02	4.5E-04	1.5E+01	1.6E-03	1.0E-02	2.7E-04	2.1E-04	9.4E-05	9.9E-02	2.0E-06	9.9E-05	5.0E-04	1.6E-03	9.5E-05
Post Closure (2051-2119): Max	1.3E-03	2.2E-01	1.1E-05	2.1E+00	6.7E+00	1.1E-01	6.6E-04	2.9E+01	2.2E-03	1.2E-02	7.9E-04	3.8E-04	1.5E-04	1.8E-01	2.3E-06	1.4E-04	1.2E-03	2.2E-03	2.1E-04
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0.001251346	0.231807634	1E-05	2.109055281	4.632157326	0.11027164	0.000197702	7.540399075	0.001801657	0.011505179	0.000956	0.00023	0.00013	0.180021882	2E-06	7.50518E-05	0.001301657	0.00182443	0
2020 Feb	0.001252664	0.232108504	1E-05	2.111554384	4.639157772	0.110463977	0.0001979	7.550570011	0.001803278	0.011510244	0.000956	0.00023	0.00013	0.180287823	2E-06	7.51024E-05	0.001303278	0.001823873	0
2020 Mar	0.001253628	0.232317522	1.00021E-05	2.113329172	4.643861294	0.110589653	0.000198046	7.557574749	0.00180452	0.011515356	0.0009562	0.000230048	0.000130027	0.180467367	2.00042E-06	7.51452E-05	0.001304415	0.001823958	0
2020 Apr	0.001256874	0.23293592	1.00249E-05	2.118884087	4.656514168	0.110898547	0.000198556	7.577805042	0.001809111	0.011543095	0.000958379	0.000230572	0.000130324	0.180957258	2.00498E-06	7.53314E-05	0.001307867	0.00182795	0
2020 May	0.00128164	0.237522453	1.0223E-05	2.160618782	4.748144627	0.113079332	0.000202469	7.7269907	0.001844774	0.011770944	0.000977321	0.000235129	0.000132899	0.184518471	2.0446E-06	7.68174E-05	0.001333623	0.00186411	0
2020 Jun	0.000787294	0.126104698	9.94171E-06	1.229974627	2.177310467	0.042924594	0.000128036	3.968866587	0.001228991	0.00968135	0.000352325	0.000228659	6.82042E-05	0.086742498	1.98834E-06	5.70467E-05	0.000731906	0.002007039	0
2020 Jul	0.000731179	0.106617406	1.02806E-05	1.069595218	1.689042807	0.027976364	0.000126051	3.343844175	0.001129835	0.009592449	0.000221936	0.000219474	5.59969E-05	0.068334557	2.05612E-06	5.4802E-05	0.000581843	0.002028649	0
2020 Aug	0.000779076	0.108985744	1.0746E-05	1.111339211	1.734546542	0.026984872	0.000155391	3.53503871	0.001162504	0.009957604	0.000212716	0.000207276	5.7601E-05	0.070569068	2.1492E-06	5.74553E-05	0.000544871	0.002012104	0
2020 Sep	0.000826335	0.100186497	1.03249E-05	1.099906325	1.716195107	0.020316346	0.000297388	3.732867241	0.001087464	0.010130703	0.000139555	0.000136836	5.15694E-05	0.070410319	2.06498E-06	6.52515E-05	0.000401445	0.001656638	0
2020 Oct	0.000886334	0.095713928	1.00051E-05	1.09503603	1.734251618	0.015094213	0.000421068	3.930702448	0.00102975	0.010578709	8.28088E-05	8.18135E-05	4.54831E-05	0.071029671	2.00101E-06	7.39718E-05	0.000302447	0.001379898	0
2020 Nov	0.00089891	0.094733395	9.93411E-06	1.09370482	1.737646341	0.013975058	0.000447367	3.971902609	0.001017152	0.010671563	7.0669E-05	7.00422E-05	4.41714E-05	0.071143039	1.98682E-06	7.58143E-05	0.000281226	0.001320436	0
2020 Dec	0.000899297	0.094717547	9.93323E-06	1.093767166	1.737880468	0.013948801	0.000448051	3.973259211	0.00101693	0.010674768	7.03772E-05	6.97593E-05	4.4143E-05	0.071152002	1.98665E-06	7.58661E-05	0.000280729	0.001319091	0
2021 Jan	0.000899962	0.094881371	9.9334E-06	1.095098376	1.741610646	0.014054472	0.000448091	3.978524446	0.001017831	0.010677519	7.08385E-05	6.98057E-05	4.41888E-05	0.071293242	1.98668E-06	7.58908E-05	0.000281698	0.001319034	0
2021 Feb	0.000900887	0.095118538	9.93508E-06	1.097022533	1.746822834	0.014205211	0.000448045	3.985838413	0.001019227	0.010681849	7.15382E-05	6.99416E-05	4.42627E-05	0.071491249	1.98702E-06	7.5922E-05	0.000283158	0.001319429	0
2021 Mar	0.000901747	0.09528555	9.93992E-06	1.098506331	1.750357389	0.014293068	0.000448198	3.991405487	0.001020392	0.010688435	7.19482E-05	7.00434E-05	4.43205E-05	0.071627557	1.98798E-06	7.5969E-05	0.000284066	0.001320167	0
2021 Apr	0.000902831	0.095443375	9.94922E-06	1.100074172	1.753522754	0.014352549	0.000448579	3.99720192	0.001021727	0.010699214	7.22293E-05	7.01475E-05	4.43827E-05	0.071752332	1.98984E-06	7.60457E-05	0.000284771	0.001321455	0
2021 May	0.000922373	0.09942387	1.00915E-05	1.135125995	1.833852053	0.016402369	0.000450136	4.122224331	0.00105125	0.010866758	9.02291E-05	7.4214E-05	4.66574E-05	0.074856058	2.0183E-06	7.71077E-05	0.000308377	0.001349874	0
2021 Jun	0.000749165	0.099938266	9.95462E-06	1.050870776	1.656013489	0.023422131	0.000214784	3.40869689	0.001075782	0.009716681	0.000170515	0.000180569	5.11368E-05	0.067281678	1.99092E-06	6.00471E-05	0.000505023	0.001831524	0
2021 Jul	0.000737534	0.096505061	1.03228E-05	1.004719853	1.494082928	0.019385615	0.000179081	3.192937136	0.001065324	0.009695848	0.000142952	0.00018741	4.88464E-05	0.061127197	2.06456E-06	5.71115E-05	0.000461864	0.00189726	0
2021 Aug	0.000776639	0.096754499	1.05449E-05	1.02982676	1.517601252	0.017931767	0.000210559	3.360188961	0.001072547	0.009779301	0.000131174	0.000162345	4.99092E-05	0.062593728	2.10899E-06	5.8198E-05	0.000394372	0.001791222	0
2021 Sep	0.000824976	0.091856472	1.01556E-05	1.048245311	1.579698563	0.014387525	0.000339235	3.633243084	0.001026334	0.009992634	8.52057E-05	0.000104567	4.65686E-05	0.065458335	2.03113E-06	6.59328E-05	0.00029918	0.001495599	0
2021 Oct	0.000876594	0.091886126	1.00206E-05	1.068766594	1.651874185	0.012552157	0.000422251	3.842951536	0.001008951	0.010444718	6.12104E-05	7.39506E-05	4.38869E-05	0.068091273	2.00412E-06	7.28335E-05	0.000260822	0.00134619	0
2021 Nov	0.000881222	0.092187606	1.00488E-05	1.072961569	1.659738541	0.01253058	0.000426464	3.862673521	0.001011658	0.010494298	6.05918E-05	7.31478E-05	4.39389E-05	0.068403766	2.00975E-06	7.33071E-05	0.000260366	0.001345494	0
2021 Dec	0.000881976	0.092250213	1.00552E-05	1.07375145	1.661082745	0.012533518	0.000427005	3.865928411	0.001012291	0.010502785	6.05602E-05	7.31046E-05	4.39606E-05	0.068458132	2.01104E-06	7.33777E-05	0.000260426	0.001345954	0
2022 Jan	0.00088245	0.092358798	1.00557E-05	1.074650764	1.663551688	0.012600943	0.000427072	3.869491816	0.001012906	0.010505198	6.08582E-05	7.3134E-05	4.39914E-05	0.068551704	2.01114E-06	7.33992E-05	0.000261059	0.001345964	0
2022 Feb	0.000882966	0.092500284	1.0056E-05	1.075774908	1.666696429	0.01269418	0.00042702	3.87379241	0.001013701	0.010507183	6.12921E-05	7.32118E-05	4.40342E-05	0.06867069	2.01119E-06	7.34141E-05	0.000261954	0.001346101	0
2022 Mar	0.000883551	0.092609137	1.00595E-05	1.076756716	1.668982387	0.012749361	0.000427139	3.877465725	0.001014482	0.01051187	6.15496E-05	7.32793E-05	4.40726E-05	0.068759114	2.01191E-06	7.34474E-05	0.000262532	0.001346637	0
2022 Apr	0.000890554	0.09337046	1.01375E-05	1.085445523	1.682888746	0.012877233	0.00043043	3.908833504	0.001022586	0.010593886	6.21618E-05	7.38711E-05	4.44272E-05	0.069328725	2.0275E-06	7.40208E-05	0.000264845	0.001357107	0
2022 May	0.000906386	0.095042802	1.0317E-05	1.104813695	1.713107347	0.013118085	0.000438038	3.978605032	0.001040799	0.010781688	6.33366E-05	7.51921E-05	4.52211E-05	0.070572168	2.06341E-06	7.5333E-05	0.00026966	0.001381164	0
2022 Jun	0.000744541	0.088123888	1.00613E-05	0.978427589	1.425246596	0.014012769	0.000264753	3.206300259	0.001010599	0.009788655	8.28512E-05	0.000151955	4.36852E-05	0.058864288	2.01226E-06	6.1947E-05	0.000382403	0.001727891	0
2022 Jul	0.00067652	0.084358118	9.69297E-06	0.868519306	1.207350135	0.012964349	0.000142469	2.748580933	0.000947214	0.008783862	9.85758E-05	0.000161899	4.17144E-05	0.049857419	1.93859E-06	4.942E-05	0.000343258	0.001705677	0
2022 Aug	0.000740184	0.087936424	1.01663E-05	0.933810294	1.305523396	0.012762967	0.000187716	3.058783054	0.000988803	0.009149169	9.52287E-05	0.000139917	4.48117E-05	0.0543628	2.03327E-06	5.27309E-05	0.000293811	0.001639394	0
2022 Sep	0.000793087	0.086602464	1.00223E-05	0.988582611	1.433242321	0.011573285	0.000305645	3.410499334	0.000984035	0.009522134	6.82018E-05	9.82031E-05	4.43948E-05	0.059896931	2.00445E-06	6.09661E-05	0.000243981	0.001444718	0
2022 Oct	0.000843313	0.087904736	9.91252E-06	1.020341396	1.533171654	0.010839438	0.000384591	3.642115831	0.000978643	0.010010607	5.29111E-05	7.40044E-05	4.26348E-05	0.063580886	1.9825E-06	6.80581E-05	0.00022754	0.001329121	0
2022 Nov	0.000847899	0.08829426	9.95067E-06	1.025237322	1.541703105	0.010867341	0.000387943	3.662253141	0.000982532	0.010062621	5.27838E-05	7.37631E-05	4.27699E-05	0.063924335	1.99013E-06	6.84966E-05	0.000228102	0.001331966	0
2022 Dec	0.000848623	0.088353671	9.95632E-06	1.025995016	1.543055415	0.010871003	0.000388503	3.665441751	0.000983111	0.010070778	5.27537E-05	7.37095E-05	4.27889E-05	0.06397853	1.99126E-06	6.85675E-05	0.000228175	0.00133231	0
2023 Jan	0.000849125	0.088467643	9.95672E-06	1.026946187	1.545684099	0.010942094	0.000388598	3.669230223	0.000983752	0.010073438	5.30683E-05	7.37377E-05	4.28209E-05	0.06407804	1.99134E-06	6.85925E-05	0.000228854	0.001332303	0
2023 Feb	0.000849673	0.088615716	9.957E-06	1.028129697	1.548991323	0.011039388	0.000388562	3.673766851	0.000984586	0.010075668	5.3521E-05	7.38178E-05	4.28657E-05	0.064203165	1.9914E-06	6.861E-05	0.000229796	0.001332447	0
2023 Mar	0.000850045	0.088704109	9.95802E-06	1.028863788	1.550928473	0.011093391	0.000388575	3.676558018	0.000985126	0.010077755	5.37725E-05	7.38678E-05	4.28937E-05	0.064276934	1.9916E-06	6.86255E-05	0.000230329	0.00133264	0
2023 Apr	0.00085389	0.089133717	1.00012E-05	1.033680439	1.558663845	0.011171668	0.000390244	3.693865299	0.000989645	0.010122016	5.41461E-05	7.42121E-05	4.30931E-05	0.064593807	2.00023E-06	6.89276E-05	0.000231618	0.001338446	0
2023 May	0.000901604	0.102982581	1.01524E-05	1.143525004	1.85149169	0.020024063	0.000379242	4.086636066	0.001075771	0.01039626	0.000134104	8.90058E-05	5.13715E-05	0.075682715	2.03049E-06	7.0505E-05	0.000328912	0.001401387	0
2023 Jun	0.000818868	0.125079349	9.80817E-06	1.237961769	2.206128359	0.041411288	0.000176206	4.106880188	0.001208575	0.009738432	0.00033761	0.000198667	6.7155E-05	0.088012673	1.96163E-06	5.94841E-05	0.000673595	0.001849181	0
2023 Jul	0.000739145	0.103713483	1.00044E-05	1.046414733	1.656714559	0.025995916	0.000148886	3.348356247	0.001089479	0.009401453	0.000206553	0.000193268	5.39175E-05	0.067096159	2.00088E-06	5.45783E-05	0.000519639	0.001871825	0
2023 Aug	0.000788785	0.104607932	1.04026E-05	1.07123673	1.665970087	0.023725424	0.000179437	3.508303404	0.001103736	0.009666688	0.000188737	0.00017128	5.44024E-05	0.067923859	2.08052E-06	5.64377E-05	0.000450424	0.001797925	0
2023 Sep	0.00080837	0.099669933	1.03984E-05	1.089064121	1.669599891	0.020729896	0.00025434	3.661505699	0.001089458	0.009718319	0.000151259	0.000138431	5.36686E-05	0.068966337	2.07967E-06	6.00854E-05	0.000377792	0.001655938	0
2023 Oct	0.000838575	0.098508395	1.03108E-05	1.094284177	1.692860246	0.018738613	0.000311024	3.76799202	0.001071977	0.010011477	0.000127969	0.000117572	5.11951E-05	0.069791555	2.06216E-06	6.46657E-05	0.000345657	0.001557128	0
2023 Nov	0.000846333	0.098810241	1.03468E-05	1.099982619	1.703640819	0.018566927	0.000319787	3.799067736	0.001074636	0.01009537	0.000125543	0.000115412	5.111E-05	0.070218697	2.06936E-06	6.55553E-05	0.000343084	0.001551488	0
2023 Dec	0.00084706	0.098848335	1.03511E-05	1.100588083	1.704730153	0.018556369	0.000320514	3.802042961	0.001075001	0.010103377	0.000125373	0.000115261	5.1111E-05	0.070262261	2.07023E-06	6.56341E-05	0.000342936	0.001551281	0
2024 Jan	0.00084765	0.098973483	1.03508E-05	1.10163641	1.707732558	0.018634861	0.000320698	3.806427002	0.001075646	0.010106227	0.000125674	0.000115244	5.1139E-05	0.070375502	2.07015E-06	6.56658E-05	0.000343631	0.001550956	0
2024 Feb	0.000848314	0.099150062	1.03506E-05	1.103044748	1.71173358	0.018751699	0.000320683	3.811925173	0.001076607	0.010108723	0.000126195	0.000115316	5.11887E-05	0.070526615	2.07012E-06	6.56877E-05	0.000344733	0.001550964	0
2024 Mar	0.000849736	0.099369884	1.03635E-05	1.105188608	1.716044903	0.01883851	0.000321077	3.819676399	0.001078475	0.010122727	0.000126635	0.0001155	5.12797E-05	0.070696808	2.07269E-06	6.57817E-05	0.000345762	0.001552909	0
2024 Apr	0.000852062	0.099671833	1.03894E-05	1.108379126	1.721546292	0.018920902	0.000321876	3.830893993	0.001081464	0.010148812	0.000127109	0.000115811	5.1423E-05	0.070919313	2.07787E-06	6.5953E-05	0.00034696	0.001556798	0
2024 May	0.000939347	0.126714289	1.04189E-05	1.316755533	2.312302828	0.037107352	0.000300633	4.600338936	0.001234371	0.010519499	0.00029198	0.00013953	6.74556E-05	0.093128271	2.08378E-06	6.84149E-05	0.000538622	0.001625651	0
2024 Jun	0.000979293	0.165677324	9.8569E-06	1.568109155	3.128120422	0.067879662	0.000179233	5.40322113	0.001433831	0.010353108	0.000576412	0.000211636	9.13793E-05	0.122988135	1.97138E-06	6.48406E-05	0.000914666	0.001841193	0
2024 Jul	0.000975498	0.15954484	1.04631E-05	1.524159074	2.931001902	0.061092302	0.000179461	5.188806057	0.001427733	0.010690749	0.000516125	0.000218371	8.71116E-05	0.115724899	2.09262E-06	6.56889E-05	0.000863308	0.001949591	0
2024 Aug	0.000982252	0.15188919	1.07785E-05	1.501537204	2.79578495	0.054827295	0.000220365	5.142167091	0.001406472	0.010751009	0.000456223	0.000195432	8.43116E-05	0.111415982	2.1557E-06	6.69111E-05	0.000764171	0.001885003	0
2024 Sep	0.000951834	0.129620656	1.04556E-05	1.368963718	2.428627014	0.03999513	0.00032015	4.794642925	0.001266957	0.010559909	0.000312949	0.00013805	7.12403E-05	0.098029643	2.09113E-06	6.98622E-05	0.000562539	0.00162288	0
2024 Oct	0.000960857	0.12328314	1.03926E-05	1.327470422	2.3207798	0.034424242	0.000369436	4.714621544	0.001220066	0.010755788	0.000259101	0.00011645	6.55953E-05	0.093850181	2.07852E-06	7.3182E-05	0.000495932	0.001530205	0
2024 Nov	0.00096491	0.120376803	1.0363E-05	1.308402777	2.271305084	0.031875022	0.000391939	4.677687168	0.001198539	0.010844523	0.000234466	0.000106567	6.30098E-05	0.091932572	2.0726E-06	7.46941E-05	0.000465447	0.001487725	0
2024 Dec	0.000965588	0.120377325	1.03685E-05	1.308717012	2.27144742	0.031831305	0.000392728	4.679580688	0.001198727	0.010853209	0.000234	0.000106387	6.29839E-05	0.091940418	2.07369E-06	7.47761E-05	0.000464975	0.00148757	0
2025 Jan	0.000966135	0.120497473	1.03681E-05	1.309687853	2.274250031	0.031906433	0.000392849	4.683619976	0.001199335	0.010855679	0.000234208	0.00010638	6.30012E-05	0.092045784	2.07362E-06	7.48019E-05	0.000465636	0.001487293	0
2025 Feb	0.000966943	0.120703913	1.03691E-05	1.311348081	2.278817177	0.032038182	0.000392825	4.690003872	0.001200517	0.010859335	0.000234769	0.000106485	6.30584E-05	0.092218786	2.07382E-06	7.48297E-05	0.000466901	0.001487522	0
2025 Mar	0.000967551	0.120837286	1.03715E-05	1.312479377	2.281700134	0.032115538	0.000392879	4.694293499	0.001201368	0.010863199	0.000235116	0.00010656	6.31005E-05	0.092329003	2.07429E-06	7.48577E-05	0.00046767	0.001487903	0
2025 Apr	0.000968929	0.121042103	1.03838E-05	1.314523339	2.285774708	0.032193832	0.00039333	4.701743126	0.001203134	0.010876987	0.000235564	0.000106717	6.31917E-05	0.092490241	2.07677E-06	7.49536E-05	0.000468607	0.001489708	0

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.000988544	0.123507172	1.05931E-05	1.341213703	2.332407475	0.032859843	0.00040124	4.797254086	0.001227522	0.011096496	0.000240403	0.000108883	6.44739E-05	0.094375566	2.11862E-06	7.64662E-05	0.000478219	0.001519756	0
2025 Jun	0.000779954	0.101562046	1.01856E-05	1.088392019	1.71453023	0.02347328	0.000243093	3.579391241	0.001099024	0.00991446	0.000167978	0.000169819	5.28502E-05	0.069967531	2.03712E-06	6.21679E-05	0.000484696	0.001801891	0
2025 Jul	0.000678933	0.08856789	1.00741E-05	0.923186004	1.301732779	0.015879717	0.000143302	2.85125041	0.001010318	0.009203001	0.000115673	0.000191378	4.49692E-05	0.05366854	2.01483E-06	5.242E-05	0.000430305	0.001897782	0
2025 Aug	0.000739693	0.09228877	1.05121E-05	0.973939598	1.377035975	0.015438952	0.00017584	3.105465889	0.001043994	0.009547912	0.000113407	0.000171969	4.72348E-05	0.057040613	2.10242E-06	5.49722E-05	0.000381834	0.001836869	0
2025 Sep	0.000773666	0.091062471	1.04428E-05	1.005248427	1.4441154	0.014330316	0.000246875	3.32113266	0.001038465	0.009721399	9.48113E-05	0.000142519	4.70716E-05	0.060099326	2.08856E-06	5.94278E-05	0.000336284	0.001698078	0
2025 Oct	0.000824211	0.090714127	1.01849E-05	1.027214766	1.530656457	0.012795804	0.000337537	3.554942131	0.001014373	0.010093796	7.23983E-05	0.000106434	4.449E-05	0.063325569	2.03697E-06	6.63731E-05	0.000293024	0.001510456	0
2025 Nov	0.000843435	0.090747133	1.01115E-05	1.036717653	1.563775182	0.012277114	0.00037006	3.64342308	0.001007626	0.010242331	6.46258E-05	9.39036E-05	4.36567E-05	0.064570986	2.02229E-06	6.89341E-05	0.000278285	0.001446944	0
2025 Dec	0.000844248	0.090804242	1.01167E-05	1.037506104	1.565244436	0.012277046	0.000370776	3.647014856	0.001008154	0.010250934	6.45504E-05	9.37755E-05	4.36716E-05	0.064629838	2.02334E-06	6.90153E-05	0.000278239	0.0014469	0
2026 Jan	0.000844936	0.090954058	1.01172E-05	1.038773417	1.56873095	0.012369706	0.000370931	3.652131319	0.001008993	0.010254453	6.49536E-05	9.37901E-05	4.37137E-05	0.06476216	2.02345E-06	6.90493E-05	0.000279083	0.001446779	0
2026 Feb	0.000845666	0.091148868	1.01175E-05	1.04033637	1.573101044	0.012497696	0.000370895	3.658160686	0.001010085	0.010257322	6.5546E-05	9.38838E-05	4.37725E-05	0.06492763	2.02351E-06	6.90724E-05	0.000280299	0.001446903	0
2026 Mar	0.000846759	0.091329932	1.0126E-05	1.042042851	1.576775432	0.012577739	0.00037118	3.664452314	0.001011509	0.010267311	6.59227E-05	9.4012E-05	4.38405E-05	0.065071173	2.0252E-06	6.91418E-05	0.000281192	0.001448158	0
2026 Apr	0.000850189	0.091735952	1.01644E-05	1.046470165	1.584098577	0.012665133	0.000372573	3.680186749	0.001015674	0.010307034	6.63564E-05	9.43967E-05	4.40246E-05	0.065368757	2.03288E-06	6.94104E-05	0.000282634	0.001453673	0
2026 May	0.000875234	0.097375378	1.03133E-05	1.094558239	1.700577974	0.015818838	0.000372907	3.853046894	0.001054902	0.010499433	9.43548E-05	9.99403E-05	4.72998E-05	0.069837689	2.06266E-06	7.06325E-05	0.000317835	0.001486929	0
2026 Jun	0.000742275	0.10991741	9.77807E-06	1.106490016	1.845043778	0.032134347	0.000154657	3.552114248	0.001126961	0.009432212	0.000254706	0.000204993	5.83225E-05	0.074206837	1.95561E-06	5.6209E-05	0.000605955	0.00190487	0
2026 Jul	0.000732669	0.103712231	1.02307E-05	1.053909779	1.646366835	0.025822811	0.000146168	3.318784714	0.001109701	0.009600015	0.000201202	0.000208421	5.40987E-05	0.06678763	2.04614E-06	5.56978E-05	0.000549181	0.001976753	0
2026 Aug	0.00078559	0.102888614	1.04779E-05	1.057878137	1.619484663	0.022195261	0.0001801	3.453368187	0.001097175	0.00969726	0.000175151	0.000171101	5.32539E-05	0.066186011	2.09559E-06	5.64491E-05	0.00043648	0.00180802	0
2026 Sep	0.000812723	0.102206498	1.05606E-05	1.080085397	1.653912067	0.020911049	0.000228021	3.591626644	0.00109991	0.009929714	0.000157751	0.000154448	5.29025E-05	0.06783773	2.11212E-06	5.99926E-05	0.000406959	0.001744323	0
2026 Oct	0.000846773	0.098245203	1.02289E-05	1.075152755	1.670589685	0.017470321	0.000319936	3.724518299	0.001054146	0.010184743	0.000117561	0.000115477	4.8513E-05	0.068454206	2.04579E-06	6.62686E-05	0.000343272	0.001541781	0
2026 Nov	0.000850974	0.09859965	1.02672E-05	1.079677463	1.678029299	0.017487358	0.000322852	3.742713213	0.001057894	0.010232676	0.000117389	0.000115316	4.86472E-05	0.068757921	2.05344E-06	6.66581E-05	0.000343673	0.001544984	0
2026 Dec	0.000851602	0.098640881	1.02718E-05	1.080282331	1.679066539	0.017483743	0.000323406	3.745408773	0.001058324	0.010239613	0.000117296	0.000115228	4.86578E-05	0.068800159	2.05437E-06	6.67217E-05	0.000343617	0.00154507	0
2027 Jan	0.000852057	0.098733917	1.02722E-05	1.081091166	1.681277871	0.017540431	0.000323549	3.748724937	0.001058846	0.010242055	0.00011752	0.000115222	4.86821E-05	0.068884268	2.05444E-06	6.67466E-05	0.000344122	0.001544933	0
2027 Feb	0.000852532	0.098858088	1.02723E-05	1.082095742	1.68408823	0.017621955	0.000323545	3.752627373	0.00105954	0.010243944	0.000117885	0.000115274	4.87185E-05	0.068990745	2.05447E-06	6.67627E-05	0.00034489	0.001544975	0
2027 Mar	0.000853457	0.099003054	1.02804E-05	1.0834891 8	1.686937094	0.017680196	0.000323796	3.757687807	0.001060746	0.010252974	0.000118177	0.000115393	4.87764E-05	0.069102734	2.05609E-06	6.68236E-05	0.000345578	0.001546205	0
2027 Apr	0.000858849	0.099650115	1.03436E-05	1.090459585	1.698179483	0.017814299	0.000325784	3.781993389	0.00106748	0.010316554	0.000119017	0.000116118	4.90874E-05	0.069560558	2.06873E-06	6.72392E-05	0.000347942	0.001555717	0
2027 May	0.00088469	0.104591042	1.05412E-05	1.134937882	1.79767108	0.020241309	0.000329374	3.941314697	0.001105124	0.010547884	0.000140152	0.000120976	5.18762E-05	0.073417917	2.10823E-06	6.87484E-05	0.000376234	0.001592609	0
2027 Jun	0.000658188	0.088662133	9.8456E-06	0.932378531	1.348277211	0.017963387	0.000147462	2.855869293	0.001013378	0.009139435	0.000127742	0.00020107	4.56794E-05	0.055388376	1.96912E-06	5.31473E-05	0.000478929	0.001931581	0
2027 Jul	0.000659575	0.088679999	1.03403E-05	0.927345812	1.279675007	0.016182425	0.000125225	2.76855588	0.001037257	0.009387861	0.000114597	0.000217712	4.54433E-05	0.052859023	2.06805E-06	5.28504E-05	0.000482534	0.002062254	0
2027 Aug	0.000710796	0.09131258	1.07618E-05	0.985686183	1.363556147	0.015980199	0.000167107	3.034286261	0.001075401	0.009710913	0.000109698	0.000200412	4.82097E-05	0.05679667	2.15236E-06	5.59616E-05	0.000444299	0.002017758	0
2027 Sep	0.000766496	0.089295156	1.05106E-05	1.022312045	1.460237384	0.014055819	0.000275344	3.358304977	0.001050517	0.009876564	8.22872E-05	0.000146826	4.72431E-05	0.061082449	2.10213E-06	6.21169E-05	0.000356066	0.001744129	0
2027 Oct	0.000812838	0.089674011	1.03048E-05	1.039314866	1.532985568	0.012869135	0.000345376	3.554863453	0.001030062	0.010178032	6.67237E-05	0.000115784	4.51534E-05	0.063718095	2.06095E-06	6.74656E-05	0.000315732	0.001579508	0
2027 Nov	0.000827195	0.090174116	1.03051E-05	1.047998548	1.556707263	0.012656773	0.000363002	3.616250753	0.001030127	0.010293969	6.34681E-05	0.000109211	4.48831E-05	0.064615227	2.06103E-06	6.90012E-05	0.000307953	0.0015491	0
2027 Dec	0.000828229	0.0902308	1.03086E-05	1.048808336	1.55847919	0.012649875	0.000364051	3.620697021	0.001030478	0.010303534	6.33183E-05	0.000108903	4.4884E-05	0.064684175	2.06172E-06	6.91052E-05	0.000307648	0.001548024	0
2028 Jan	0.000828991	0.090399764	1.03082E-05	1.050192356	1.562443972	0.012756724	0.000364214	3.626434565	0.001031347	0.010306767	6.37868E-05	0.00010889	4.49281E-05	0.06483379	2.06164E-06	6.91395E-05	0.000308569	0.001547619	0
2028 Feb	0.000829928	0.090637155	1.03092E-05	1.052109003	1.567730784	0.012908719	0.000364203	3.633848906	0.001032697	0.010310878	6.44927E-05	0.000108997	4.5E-05	0.065034151	2.06183E-06	6.91718E-05	0.000310007	0.001547804	0
2028 Mar	0.00083058	0.090781473	1.03115E-05	1.053330779	1.570865393	0.012993175	0.000364261	3.638497829	0.001033609	0.010314916	6.48858E-05	0.000109075	4.50469E-05	0.065153942	2.0623E-06	6.92015E-05	0.00031084	0.001548176	0
2028 Apr	0.000833858	0.091180556	1.0349E-05	1.057708383	1.578126669	0.013085906	0.000365572	3.653859138	0.001037745	0.010353362	6.53329E-05	0.000109501	4.5231E-05	0.065449417	2.0698E-06	6.94608E-05	0.000312395	0.001553816	0
2028 May	0.000847298	0.09267775	1.05139E-05	1.07490623	1.604249835	0.013324018	0.000371369	3.71338582	0.001054525	0.01051888	6.65767E-05	0.000111274	4.59714E-05	0.066529125	2.10278E-06	7.05714E-05	0.000317663	0.001578628	0
2028 Jun	0.000649843	0.084034137	9.88923E-06	0.907429695	1.264211893	0.014722871	0.000165497	2.769913912	0.000992976	0.009173233	9.53368E-05	0.000194989	4.3069E-05	0.052363396	1.97785E-06	5.40251E-05	0.000446002	0.001919123	0
2028 Jul	0.000649157	0.086317435	1.02394E-05	0.911008298	1.243257999	0.015109104	0.000130352	2.7147767 54	0.001020831	0.009304128	0.000103699	0.00021421	4.42067E-05	0.051488996	2.04788E-06	5.26844E-05	0.0004703	0.002040266	0
2028 Aug	0.000706848	0.0919981	1.09478E-05	0.984073758	1.346098304	0.015792131	0.000156218	2.978384495	0.001089562	0.009919423	0.000107156	0.000216231	4.77343E-05	0.055950709	2.18955E-06	5.67344E-05	0.000474577	0.002117667	0
2028 Sep	0.000760786	0.092748217	1.08807E-05	1.019795299	1.439383507	0.014796023	0.000233268	3.243128061	0.001083766	0.010239115	9.19334E-05	0.000182327	4.7095E-05	0.059733041	2.17615E-06	6.2276E-05	0.000425396	0.001952489	0
2028 Oct	0.000847873	0.091193274	1.02297E-05	1.046676278	1.57995832	0.012041856	0.000387175	3.655301332	0.001020728	0.010579414	5.65679E-05	0.000104125	4.27802E-05	0.065052263	2.04594E-06	7.21231E-05	0.000311495	0.001521274	0
2028 Nov	0.000865073	0.091747843	1.02354E-05	1.05834651	1.609435081	0.011812772	0.000408567	3.73380971	0.001021523	0.010705507	5.28316E-05	9.56937E-05	4.26151E-05	0.06621033	2.04708E-06	7.38754E-05	0.000300509	0.001482456	0
2028 Dec	0.00086576	0.091799065	1.02402E-05	1.059027076	1.610669374	0.011814262	0.000409117	3.736845255	0.001022002	0.010712529	5.27922E-05	9.5594E-05	4.26317E-05	0.066260174	2.04803E-06	7.39389E-05	0.00030046	0.001482472	0
2029 Jan	0.000866268	0.091919139	1.02399E-05	1.060013175	1.613471031	0.0118922	0.000409186	3.74085474	0.001022637	0.010714411	5.31413E-05	9.55989E-05	4.26659E-05	0.066366315	2.04798E-06	7.39584E-05	0.000301131	0.001482249	0
2029 Feb	0.000866845	0.092079915	1.02398E-05	1.061285615	1.617079973	0.011999971	0.000409122	3.745770931	0.001023517	0.010716244	5.36452E-05	9.56739E-05	4.27146E-05	0.066502839	2.04796E-06	7.39729E-05	0.000302135	0.001482286	0
2029 Mar	0.00086738	0.092191018	1.02423E-05	1.06224966	1.619459629	0.012061796	0.000409192	3.749405384	0.001024258	0.010719971	5.39336E-05	9.57392E-05	4.27521E-05	0.066594221	2.04846E-06	7.39996E-05	0.000302759	0.001482684	0
2029 Apr	0.000868866	0.092379823	1.02577E-05	1.064244747	1.623019934	0.012113451	0.000409788	3.756579399	0.001026074	0.010736685	5.41714E-05	9.59066E-05	4.28316E-05	0.066736929	2.05154E-06	7.41156E-05	0.000303527	0.001484929	0
2029 May	0.000880556	0.094359651	1.03599E-05	1.082862735	1.661995053	0.012969531	0.000412377	3.823036909	0.001042286	0.01085151	6.14204E-05	9.78765E-05	4.3914E-05	0.068261497	2.07199E-06	7.48761E-05	0.000314057	0.001502516	0
2029 Jun	0.000776476	0.094928019	1.01574E-05	1.034013629	1.573850513	0.017798318	0.000272989	3.418063641	0.001051919	0.010072325	0.000115209	0.000157494	4.68965E-05	0.064407259	2.03148E-06	6.43232E-05	0.000430058	0.001756853	0
2029 Jul	0.000667758	0.085347325	9.85597E-06	0.883749366	1.226039171	0.013941715	0.000137305	2.742274523	0.000972115	0.008951657	0.00010289	0.000179623	4.26619E-05	0.050621867	1.97119E-06	5.04621E-05	0.000388531	0.001815802	0
2029 Aug	0.000734571	0.08896637	1.02779E-05	0.941660643	1.316027641	0.013494722	0.000179782	3.043203354	0.00100539	0.009273256	9.98173E-05	0.000153483	4.53183E-05	0.054705396	2.05557E-06	5.32814E-05	0.000327416	0.001720178	0
2029 Sep	0.000780401	0.089790307	1.03648E-05	0.988646388	1.412198901	0.012928287	0.00025195	3.303403616	0.001018052	0.009648462	8.5528E-05	0.000130114	4.57413E-05	0.058814034	2.07296E-06	5.89557E-05	0.000299501	0.00162627	0
2029 Oct	0.0008254	0.090297095	1.02237E-05	1.016517162	1.500318646	0.012054648	0.000328159	3.521891117	0.001008363	0.010031215	6.94602E-05	0.000103581	4.41492E-05	0.062156003	2.04474E-06	6.522E-05	0.000273847	0.001495251	0
2029 Nov	0.00083956	0.090688013	1.02159E-05	1.026731491	1.527717113	0.011859954	0.000349084	3.589257956	0.001008703	0.010160264	6.54444E-05	9.69174E-05	4.38578E-05	0.063210115	2.04318E-06	6.70494E-05	0.000267901	0.00146516	0
2029 Dec	0.000840188	0.090728976	1.02193E-05	1.02733171	1.528897762	0.011859515	0.0003497	3.592102766	0.001009064	0.010166862	6.53727E-05	9.67942E-05	4.38662E-05	0.063257098	2.04386E-06	6.7116E-05	0.000267854	0.001464964	0
2030 Jan	0.000840764	0.090858139	1.02191E-05	1.028421164	1.531971335	0.01194209	0.000349843	3.596545458	0.00100976	0.010169569	6.57285E-05	9.67989E-05	4.39014E-05	0.063373476	2.04383E-06	6.7145E-05	0.000268605	0.001464761	0
2030 Feb	0.000841543	0.09104573	1.02209E-05	1.02997613	1.536123514	0.01205844	0.000349875	3.602497578	0.001010885	0.010173693	6.6267E-05	9.68954E-05	4.39604E-05	0.063531496	2.04418E-06	6.71767E-05	0.000269737	0.001465079	0
2030 Mar	0.000842365	0.091190808	1.02266E-05	1.031308413	1.539108872	0.012127488	0.000350057	3.607436895	0.001011974	0.010180733	6.65915E-05	9.69936E-05	4.40132E-05	0.063647486	2.04533E-06	6.72256E-05	0.000270481	0.001465942	0
2030 Apr	0.000844535	0.091457762	1.02506E-05	1.034151316	1.543921351	0.012191422	0.000350868	3.617540359	0.001014639	0.010205305	6.69113E-05	9.72454E-05	4.41322E-05	0.063842244	2.05012E-06	6.73892E-05	0.000271452	0.001469395	0
2030 May	0.000859636	0.093164906	1.04298E-05	1.053071141	1.573297858	0.012478801	0.000356907	3.683879137	0.001032991	0.010384945	6.87019E-05	9.90397E-05	4.49643E-05	0.065048262	2.08596E-06	6.85753E-05	0.000276968	0.001495339	0
2030 Jun	0.000672255	0.087666392	9.90238E-06	0.933146596	1.338696122	0.01651136	0.000168199	2.893294096	0.001007716	0.009238654	0.000113559	0.000190552	4.47985E-05	0.055147171	1.98048E-06	5.44794E-05	0.000450647	0.001889032	0
2030 Jul	0.000653827	0.085162878	9.88052E-06	0.88754642	1.229231834	0.014584127	0.000132607	2.713496685	0.000981807	0.008978759	0.000105189	0.000191036	4.30725E-05	0.050780177	1.9761E-06	5.07155E-05	0.000418642	0.001880236	0
2030 Aug	0.000719861	0.089449406	1.03067E-05	0.938031673	1.309570074	0.014210597	0.000164009	2.978779316	0.001013858	0.009325077	0.000105113	0.000169303	4.53007E-05	0.054271363	2.06134E-06	5.31495E-05	0.000365254	0.00180356	0
2030 Sep	0.00075474	0.091843516	1.06185E-05	0.981208742	1.377842546	0.014337802	0.000195186	3.157369852	0.001045703	0.009675751	0.00010215	0.000163998	4.68922E-05	0.057241715	2.12369E-06	5.64018E-05	0.000360294	0.001811508	0
2030 Oct	0.000800822	0.091547005	1.03906E-05	1.006087899	1.464794278	0.013137443	0.000279917	3.387715816	0.001026658	0.010000711	8.27403E-05	0.000130493	4.4958E-05	0.060584009	2.07813E-06	6.27487E-05	0.000320824	0.001638599	0
2030 Nov	0.000820628	0.091534056	1.03097E-05	1.017460346	1.502111793	0.012661775	0.000314923	3.485991478	0.001020079	0.010145535	7.48951E-05	0.000116937	4.42198E-05	0.062023502	2.06194E-06	6.54204E-05	0.000305052	0.001569779	0
2030 Dec	0.000821222	0.091565877	1.03121E-05	1.017992616	1.503216147	0.012658826	0.000315576	3.488734961	0.001020334	0.010151329	7.47996E-05	0.000116768	4.42238E-05	0.062067527	2.06241E-06	6.54847E-05	0.000304914	0.001569261	0
2031 Jan	0.000821831	0.091696151	1.03119E-05	1.019111872	1.506363869	0.012741515	0.000315763	3.493369341	0.001021032	0.01015415	7.51492E-05	0.00011675	4.42592E-05	0.062186997	2.06237E-06	6.55163E-05	0.000305632	0.001568946	0
2031 Feb	0.000822479	0.091868892	1.03117E-05	1.02050364	1.510299921	0.012856501	0.000315752	3.498798132	0.00102198	0.010156492	7.56761E-05	0.000116818	4.43107E-05	0.062336002	2.06234E-06	6.55372E-05	0.000306706	0.001568941	0
2031 Mar	0.000823079	0.091990575	1.03147E-05	1.02156806	1.512898088	0.012923036	0.00031584	3.502805948	0.001022803	0.010160811	7.5986E-05	0.000116891	4.4352E-05	0.062435903	2.06295E-06	6.55682E-05	0.000307384	0.001569409	0
2031 Apr	0.00082754	0.092520535	1.03681E-05	1.027289033	1.521955609	0.013025782	0.000317471	3.522627592	0.001028392	0.010214128	7.65436E-05	0.000117517	4.45976E-05	0.062805504	2.07361E-06	6.59141E-05	0.000309309	0.00157753	0
2031 May	0.000890418	0.110250585	1.04954E-05	1.170043945	1.908897758	0.024559055	0.000308704	4.047940254	0.001135281	0.01053192	0.000180329	0.00013256	5.52864E-05	0.077477731	2.09909E-06	6.80572E-05	0.000429929	0.001632273	0
2031 Jun	0.000964799	0.158189669	1.00491E-05	1.511796117	2.946506262	0.061698977	0.000190426	5.187053204	0.001399349	0.010453989	0.000520074	0.000207559	8.62866E-05	0.116159759	2.00982E-06	6.53656E-05	0.000857786	0.001857279	0
2031 Jul	0.000974479	0.155449361	1.07315E-05	1.497817874	2.823004961	0.05696946	0.000191089	5.077877998	0.001417438	0.01090026	0.000477596	0.000218329	8.40918E-05	0.11172796	2.14629E-06	6.69772E-05	0.000830951	0.001988413	0
2031 Aug	0.000974136	0.14577575	1.09225E-05	1.442106247	2.622907877	0.049122989	0.000221734	4.930594921	0.001368517	0.01081324	0.000408278	0.000189286	7.92854E-05	0.104714051	2.18451E-06	6.66386E-05	0.000703416	0.001877953	0
2031 Sep	0.000938202	0.122277461	1.04544E-05	1.307934165	2.260884047	0.034303632	0.000332341	4.593771935	0.00121902	0.010523127	0.000262818	0.000126115	6.60555E-05	0.091618665	2.09088E-06	6.97323E-05	0.0004956	0.001576819	0
2031 Oct	0.000939931	0.105685726	9.9784E-06	1.190250516	1.993455648	0.021549374	0.000444246	4.344237328	0.001083804	0.010732594	0.000139279	7.20587E-05	5.19171E-05	0.081092395	1.99568E-06	7.63027E-05	0.000340019	0.00131141	0
2031 Nov	0.000943886	0.104986966	9.98671E-06	1.187093019	1.983376741	0.020768562	0.000453682	4.344973087	0.001079017	0.010790672	0.000131432	6.86707E-05	5.1166E-05	0.080706403	1.99734E-06	7.70618E-05	0.00033081	0.001298684	0
2031 Dec	0.000944269	0.104993552	9.9897E-06	1.187317371	1.983599782	0.020749537	0.000454104	4.3461833	0.001079161	0.010795458	0.00013122	6.85823E-05	5.11562E-05	0.080716245	1.99794E-06	7.71068E-05	0.000330609	0.001298637	0
2032 Jan	0.000944781	0.105117492	9.99002E-06	1.188320518	1.986397624	0.020828119	0.000454141	4.350139618	0.001079847	0.010797826	0.000131526	6.86232E-05	5.11863E-05	0.080822013	1.998E-06	7.71274E-05	0.000331348	0.001298647	0
2032 Feb	0.000945402	0.105295166	9.99007E-06	1.18971324	1.99033463	0.020946894	0.000454041	4.355446339	0.001080833	0.010799946	0.000132058	6.87276E-05	5.12373E-05	0.080970749	1.99801E-06	7.71426E-05	0.000332489	0.001298815	0
2032 Mar	0.000946083	0.105429858	9.99376E-06	1.190902352	1.993193507	0.021018839	0.000454153	4.359911919	0.001081761	0.010805047	0.000132394	6.88092E-05	5.12837E-05	0.081080876	1.99875E-06	7.7179E-05	0.000333229	0.001299382	0

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.000949138	0.105802931	1.00241E-05	1.194931388	2.000421047	0.021118356	0.000455499	4.374724865	0.001085337	0.010838431	0.000132956	6.90492E-05	5.14545E-05	0.081371441	2.00481E-06	7.74175E-05	0.000334583	0.001303371	0
2032 May	0.000965583	0.108299278	1.01745E-05	1.219467998	2.049432278	0.022076951	0.000460504	4.463287354	0.001106793	0.011006103	0.000140831	7.12357E-05	5.27883E-05	0.083304629	2.03489E-06	7.85646E-05	0.000346554	0.001326655	0
2032 Jun	0.00069922	0.093659632	9.79525E-06	0.988265991	1.503221035	0.020774554	0.000184629	3.129012108	0.001037143	0.009355248	0.000149113	0.000188019	4.82302E-05	0.06137909	1.95905E-06	5.64784E-05	0.000489789	0.001858763	0
2032 Jul	0.000649055	0.082997225	9.50473E-06	0.854687572	1.191103101	0.013691575	0.000129787	2.663865566	0.000938157	0.008608998	0.000103217	0.00017072	4.14903E-05	0.049139995	1.90095E-06	4.82848E-05	0.000368863	0.001734587	0
2032 Aug	0.000715588	0.084729217	9.89155E-06	0.92443037	1.293805003	0.012856912	0.000196757	3.02844286	0.000970024	0.008861059	9.15907E-05	0.000134341	4.47496E-05	0.054173518	1.97831E-06	5.18876E-05	0.000288579	0.001592751	0
2032 Sep	0.000749533	0.08521641	1.01056E-05	0.973644912	1.371296525	0.012572134	0.000250928	3.256872177	0.000994262	0.009121114	8.07471E-05	0.000117817	4.65103E-05	0.057839982	2.02112E-06	5.57857E-05	0.000263645	0.001542452	0
2032 Oct	0.000774968	0.08653269	1.01643E-05	0.993438542	1.418573856	0.012395466	0.00028076	3.368091345	0.001001405	0.009384155	7.60451E-05	0.0001103	4.62689E-05	0.059633225	2.03286E-06	5.88094E-05	0.000259752	0.001515637	0
2032 Nov	0.000786883	0.08695852	1.01574E-05	1.001106858	1.4408108	0.012239655	0.000297316	3.420276403	0.001001531	0.009501749	7.29413E-05	0.000105385	4.59355E-05	0.060452737	2.03147E-06	6.03628E-05	0.000256373	0.001493491	0
2032 Dec	0.000796193	0.087026805	1.01042E-05	1.004875422	1.458312392	0.012016624	0.000313831	3.461173058	0.000997165	0.009585839	6.92666E-05	9.96113E-05	4.53695E-05	0.061064683	2.02085E-06	6.17664E-05	0.000251577	0.001462897	0
2033 Jan	0.000797376	0.087278038	1.01044E-05	1.006979585	1.464241624	0.012171249	0.000314179	3.469823122	0.000998511	0.009592279	6.99267E-05	9.96166E-05	4.54331E-05	0.061288264	2.02087E-06	6.18328E-05	0.000253023	0.001462547	0
2033 Feb	0.000798758	0.087619618	1.01063E-05	1.009765387	1.471858263	0.012387043	0.000314222	3.480574131	0.001000485	0.009599106	7.09212E-05	9.97811E-05	4.55359E-05	0.061576974	2.02126E-06	6.18876E-05	0.000255118	0.001462941	0
2033 Mar	0.000800467	0.087910771	1.01194E-05	1.012492776	1.477774024	0.0125196	0.000314621	3.490602016	0.001002759	0.009614309	7.15486E-05	9.99901E-05	4.56464E-05	0.061808139	2.02389E-06	6.19916E-05	0.000256566	0.001464906	0
2033 Apr	0.000806133	0.08859235	1.01862E-05	1.019984365	1.489816546	0.012668848	0.000316692	3.516787291	0.001009934	0.009679319	7.2327E-05	0.000100695	4.5977E-05	0.062302504	2.03725E-06	6.24141E-05	0.000258898	0.001474609	0
2033 May	0.000985829	0.145216912	1.01863E-05	1.452988505	2.728835106	0.050921589	0.000272281	5.1143884666	0.001326713	0.010462102	0.000418992	0.000152068	7.92197E-05	0.108764231	2.03727E-06	6.77936E-05	0.000668624	0.001622419	0
2033 Jun	0.00091563	0.155231848	9.54746E-06	1.470254064	2.896691322	0.0627307	0.000157546	5.012422562	0.001362358	0.009897435	0.000531804	0.000211923	8.55605E-05	0.114001416	1.90949E-06	6.115E-05	0.000871109	0.001826531	0
2033 Jul	0.000887785	0.142360941	1.00307E-05	1.366552591	2.549354792	0.051634654	0.000156944	4.592128754	0.001308282	0.010025155	0.000434856	0.000209236	7.71592E-05	0.100984126	2.00614E-06	6.04081E-05	0.000764923	0.001884646	0
2033 Aug	0.000936333	0.145774737	1.06298E-05	1.4101042 75	2.591150522	0.050777551	0.000176534	4.760797501	0.001352482	0.010517783	0.000427411	0.000206683	7.87999E-05	0.102956176	2.12596E-06	6.33166E-05	0.0074621	0.001928336	0
2033 Sep	0.000925333	0.121713951	1.02285E-05	1.278392673	2.229606867	0.034071773	0.00032114	4.484108925	0.001196062	0.010498024	0.000262746	0.000131396	6.37585E-05	0.089837477	2.0457E-06	6.94842E-05	0.00051227	0.001581217	0
2033 Oct	0.000933395	0.099401377	9.70889E-06	1.136119366	1.88416028	0.016975733	0.000478113	4.208600521	0.001026023	0.010762635	9.58949E-05	5.47305E-05	4.61071E-05	0.076606825	1.94178E-06	7.82591E-05	0.000290185	0.001216378	0
2033 Nov	0.000942982	0.098250411	9.75204E-06	1.133532882	1.869607091	0.015533871	0.00049735	4.222595692	0.001019792	0.010889268	8.11627E-05	4.80622E-05	4.48888E-05	0.076091468	1.95041E-06	7.9822E-05	0.000272114	0.001193689	0
2033 Dec	0.000943496	0.098285466	9.75687E-06	1.134029388	1.870337486	0.01552858	0.000497743	4.224647999	0.001020205	0.010895339	8.10731E-05	4.80268E-05	4.48989E-05	0.076121859	1.95137E-06	7.9872E-05	0.000272083	0.00119404	0
2034 Jan	0.000943966	0.098405324	9.75749E-06	1.135000944	1.872999191	0.015605252	0.000497733	4.228382111	0.001020897	0.010897453	8.1404E-05	4.80864E-05	4.49332E-05	0.076222852	1.9515E-06	7.98882E-05	0.000272815	0.001194172	0
2034 Feb	0.000944556	0.098571368	9.75805E-06	1.136316776	1.876646399	0.015714748	0.000497638	4.233345985	0.001021848	0.010899705	8.191E-05	4.8193E-05	4.4984E-05	0.076361038	1.95161E-06	7.99032E-05	0.000273877	0.001194428	0
2034 Mar	0.00094524	0.098699667	9.7621E-06	1.137469888	1.879354	0.015780449	0.000497777	4.237674713	0.001022758	0.010905113	8.22173E-05	4.82696E-05	4.50289E-05	0.076465636	1.95242E-06	7.9942E-05	0.000274561	0.001195026	0
2034 Apr	0.000950605	0.099292427	9.81577E-06	1.144114614	1.890792251	0.015901105	0.000500475	4.262449265	0.001028661	0.010965584	8.28258E-05	4.85674E-05	4.52916E-05	0.076927841	1.96315E-06	8.03849E-05	0.000276397	0.001201655	0
2034 May	0.001010018	0.12008477	1.00089E-05	1.302624345	2.318062067	0.029781267	0.000465198	4.80708456	0.001157589	0.011228935	0.000210381	7.56033E-05	5.82979E-05	0.093094535	2.00178E-06	8.09718E-05	0.000429009	0.001312082	0
2034 Jun	0.000970781	0.161195606	9.77226E-06	1.534975886	3.045799017	0.064759508	0.00019699	5.303088188	0.001402817	0.010362157	0.000546418	0.000203584	8.80598E-05	0.11980027	1.95445E-06	6.57268E-05	0.000882954	0.001805067	0
2034 Jul	0.000887885	0.133957759	1.00488E-05	1.297537565	2.356938124	0.044325989	0.000180773	4.406821251	0.001247314	0.009989228	0.000372596	0.000183657	7.09807E-05	0.093697004	2.00976E-06	6.04174E-05	0.000656639	0.001771413	0
2034 Aug	0.000945785	0.13906239	1.07726E-05	1.365298033	2.443583965	0.044438772	0.000207031	4.654529095	0.00131219	0.010602208	0.000371498	0.000184083	7.40856E-05	0.097548172	2.15453E-06	6.43689E-05	0.000652282	0.001842788	0
2034 Sep	0.000944333	0.12046247	1.03572E-05	1.262299418	2.179941177	0.031265814	0.000336985	4.461520672	0.001182843	0.010717948	0.000239421	0.000122508	6.11855E-05	0.087788828	2.07143E-06	7.10997E-05	0.000476476	0.001553054	0
2034 Oct	0.000939461	0.101351306	9.81237E-06	1.145069003	1.902205348	0.017774483	0.000466508	4.228182316	0.001039279	0.010813683	0.000105332	5.9782E-05	4.70436E-05	0.077237681	1.96247E-06	7.78692E-05	0.000300781	0.001245455	0
2034 Nov	0.000944404	0.100864895	9.83691E-06	1.144988179	1.897517681	0.017132852	0.000476202	4.23883152	0.001037167	0.010878914	9.85589E-05	5.66721E-05	4.65286E-05	0.077087179	1.96738E-06	7.86725E-05	0.00029281	0.001235486	0
2034 Dec	0.000944969	0.100902736	9.84219E-06	1.14553833	1.898328424	0.017126894	0.000476646	4.241110325	0.00103762	0.010885602	9.84564E-05	5.66305E-05	4.65396E-05	0.077120997	1.96844E-06	7.87283E-05	0.000292774	0.001235861	0
2035 Jan	0.000945407	0.101012968	9.84263E-06	1.146439791	1.900809407	0.017197777	0.000476655	4.244604588	0.001038251	0.010887548	9.87515E-05	5.66778E-05	4.65701E-05	0.077215165	1.96853E-06	7.87443E-05	0.000293445	0.001235935	0
2035 Feb	0.000945999	0.101172566	9.84347E-06	1.147721529	1.904318452	0.017301328	0.000476593	4.24944973	0.00103918	0.010890074	9.92257E-05	5.67765E-05	4.66191E-05	0.077348337	1.96869E-06	7.87619E-05	0.000294451	0.001236201	0
2035 Mar	0.000946555	0.101284549	9.84635E-06	1.148703337	1.906701684	0.017362073	0.000476676	4.253139496	0.001039943	0.010894135	9.95088E-05	5.68443E-05	4.66573E-05	0.077440023	1.96927E-06	7.87909E-05	0.000295072	0.00123665	0
2035 Apr	0.000951263	0.101818301	9.89366E-06	1.154592395	1.916907072	0.017477309	0.000478935	4.274974823	0.001045203	0.010946983	0.000100132	5.71467E-05	4.68955E-05	0.077851593	1.97873E-06	7.91729E-05	0.000296796	0.001242643	0
2035 May	0.000986228	0.110316999	1.0111E-05	1.22571671	2.089911938	0.022360735	0.000475524	4.52523613	0.001104371	0.011208788	0.000143905	6.6779E-05	5.1943E-05	0.08448413	2.0222E-06	8.06693E-05	0.000351995	0.001297601	0
2035 Jun	0.000721713	0.107616648	9.59924E-06	1.08111155	1.799236298	0.031531651	0.000146052	3.451269388	0.001106113	0.009257566	0.000249794	0.00020606	5.70258E-05	0.072329447	1.91985E-06	5.49803E-05	0.00060423	0.001895102	0
2035 Jul	0.00068568	0.096769251	1.00272E-05	0.989781559	1.494196057	0.022648996	0.000129845	3.048243284	0.001065142	0.009308062	0.00017278	0.000212631	5.03402E-05	0.060869299	2.00545E-06	5.33393E-05	0.00053124	0.001988837	0
2035 Aug	0.000732005	0.095827781	1.03712E-05	1.038534641	1.54171741	0.020710729	0.000191667	3.309547663	0.001084965	0.009486306	0.000149753	0.000181167	5.2322E-05	0.063796192	2.07425E-06	5.63884E-05	0.000452714	0.00187388	0
2035 Sep	0.000821273	0.089062147	9.91012E-06	1.057704449	1.609230161	0.014142966	0.000381017	3.711843967	0.001011716	0.009900359	7.45229E-05	8.92467E-05	4.6384E-05	0.066964164	1.98202E-06	6.78614E-05	0.000283954	0.001410061	0
2035 Oct	0.000882832	0.08989986	9.80251E-06	1.073619723	1.677482605	0.011904404	0.000463416	3.918215752	0.0009916	0.010452643	4.91553E-05	5.76637E-05	4.29067E-05	0.06922102	1.9605E-06	7.5219E-05	0.000241747	0.001255852	0
2035 Nov	0.000895529	0.089395888	9.68173E-06	1.069556594	1.685489058	0.011060311	0.000486652	3.952450514	0.000976329	0.010544551	4.0335E-05	4.6713E-05	4.13834E-05	0.069366254	1.93635E-06	7.69997E-05	0.000225682	0.001193918	0
2035 Dec	0.000896438	0.089461856	9.68795E-06	1.070373416	1.686978102	0.011057524	0.000487375	3.956159115	0.000976913	0.010554452	4.02444E-05	4.65978E-05	4.13959E-05	0.069424957	1.93759E-06	7.70876E-05	0.000225641	0.001194026	0
2036 Jan	0.00089711	0.089633688	9.68851E-06	1.071741939	1.690787196	0.011167477	0.000487358	3.961458683	0.000977875	0.010557414	4.07506E-05	4.66788E-05	4.14459E-05	0.069568895	1.9377E-06	7.71107E-05	0.000226692	0.00119416	0
2036 Feb	0.00089791	0.089863189	9.68887E-06	1.073539019	1.695834041	0.011320136	0.000487212	3.968262196	0.000979163	0.010560242	4.14713E-05	4.68236E-05	4.1516E-05	0.069759667	1.93777E-06	7.71296E-05	0.000228169	0.001194453	0
2036 Mar	0.000898356	0.08998888	9.68921E-06	1.074528813	1.698593497	0.011402987	0.00048714	3.97200799	0.000979875	0.010561936	4.18623E-05	4.69028E-05	4.15546E-05	0.069864064	1.93784E-06	7.7141E-05	0.000228972	0.001194631	0
2036 Apr	0.000906853	0.091416404	9.74896E-06	1.087935328	1.728296161	0.012060544	0.000489513	4.022183895	0.000990746	0.010636489	4.48944E-05	4.77439E-05	4.20756E-05	0.071020916	1.94979E-06	7.76786E-05	0.000236048	0.001202961	0
2036 May	0.000937922	0.096543096	9.98959E-06	1.136527658	1.832910061	0.014325366	0.000498068	4.201344967	0.001031235	0.01092366	5.84679E-05	5.14022E-05	4.43038E-05	0.075107597	1.99792E-06	7.96974E-05	0.000261665	0.001238929	0
2036 Jun	0.00071551	0.095561787	9.79834E-06	1.00904882	1.55886209	0.021714946	0.000198462	3.22935605	0.001046889	0.009457036	0.000154297	0.000183601	4.89191E-05	0.063525073	1.95967E-06	5.78165E-05	0.000493734	0.001836101	0
2036 Jul	0.000695094	0.089613497	1.00053E-05	0.927755654	1.326786995	0.016025405	0.000151394	2.914475203	0.001004389	0.009189731	0.000118874	0.000180225	4.49886E-05	0.054562245	2.00106E-06	5.25828E-05	0.000410208	0.001830149	0
2036 Aug	0.000753538	0.094872653	1.06258E-05	0.990457952	1.416272759	0.016345285	0.000175233	3.161332607	0.001060852	0.009721785	0.000121486	0.00017662	4.79388E-05	0.058420654	2.12516E-06	5.59623E-05	0.000399221	0.001867861	0
2036 Sep	0.000788232	0.09302175	1.05064E-05	1.019508839	1.48121202	0.014912847	0.000253557	3.382210732	0.001049277	0.009883253	9.93187E-05	0.000143208	4.73948E-05	0.061414175	2.10127E-06	6.07349E-05	0.000346318	0.001706549	0
2036 Oct	0.00085346	0.091842867	1.01334E-05	1.04537487	1.588092208	0.01255858	0.000377187	3.68620801	0.001012533	0.010346123	6.64292E-05	9.29092E-05	4.37256E-05	0.065433159	2.02668E-06	6.99277E-05	0.000282464	0.001444086	0
2036 Nov	0.000864417	0.091637813	1.00698E-05	1.049673796	1.60603404	0.012160262	0.000398036	3.73729372	0.001006624	0.010423597	6.08717E-05	8.44106E-05	4.31032E-05	0.066107444	2.01395E-06	7.14753E-05	0.000271665	0.001399677	0
2036 Dec	0.0008675	0.091515191	1.00428E-05	1.050455451	1.610967398	0.012021942	0.000404653	3.751844168	0.001003594	0.010442799	5.90074E-05	8.15648E-05	4.28726E-05	0.066289395	2.00856E-06	7.19412E-05	0.000267949	0.001384229	0
2037 Jan	0.000868428	0.091728322	1.00434E-05	1.052236557	1.615893126	0.012156515	0.000404805	3.75895834	0.001004787	0.01044721	5.96008E-05	8.16049E-05	4.29338E-05	0.066476308	2.00867E-06	7.1983E-05	0.000269183	0.001384118	0
2037 Feb	0.000869533	0.092016689	1.00447E-05	1.054568768	1.62229991	0.012342786	0.000404755	3.767882109	0.001006449	0.01045202	6.04671E-05	8.1758E-05	4.3023E-05	0.066719383	2.00893E-06	7.20195E-05	0.000270972	0.001384463	0
2037 Mar	0.000871178	0.09228453	1.00574E-05	1.057106614	1.627745152	0.012459406	0.000405212	3.777272224	0.001008564	0.010467165	6.10131E-05	8.19396E-05	4.31232E-05	0.066932164	2.01148E-06	7.21257E-05	0.000272275	0.00138631	0
2037 Apr	0.000874555	0.092695758	1.00928E-05	1.061514258	1.635410428	0.012560895	0.000406607	3.7932055	0.001012593	0.010505104	6.14957E-05	8.22726E-05	4.33011E-05	0.067241006	2.01857E-06	7.23882E-05	0.000273781	0.001391243	0
2037 May	0.001030553	0.149707362	1.00836E-05	1.491767406	2.862323284	0.052463062	0.000322293	5.331787586	0.001337391	0.01094184	0.000427318	0.000142893	7.88643E-05	0.113430426	2.01672E-06	7.36634E-05	0.000694095	0.001572495	0
2037 Jun	0.000945235	0.160166055	9.59184E-06	1.514398456	3.014806986	0.065395147	0.000171149	5.202050209	0.001389807	0.010083511	0.000554688	0.000209445	8.80405E-05	0.118492097	1.91837E-06	6.30422E-05	0.000892766	0.001812077	0
2037 Jul	0.000918651	0.148270696	1.01744E-05	1.421112537	2.683090687	0.05484046	0.000167881	4.799057484	0.001349247	0.010292039	0.000461604	0.000212898	8.03611E-05	0.106112584	2.03488E-06	6.26723E-05	0.000802125	0.001910715	0
2037 Aug	0.000949275	0.148054406	1.06236E-05	1.445327163	2.677647114	0.052699655	0.000194881	4.902868271	0.001372056	0.010600382	0.000440304	0.000204394	8.08528E-05	0.106457643	2.12472E-06	6.49521E-05	0.000763907	0.001917768	0
2037 Sep	0.000962138	0.141614839	1.07435E-05	1.425302863	2.585444212	0.047276475	0.000250278	4.890440464	0.001343714	0.010780408	0.0003856	0.000180785	7.71229E-05	0.103403091	2.1487E-06	6.81527E-05	0.000686863	0.001834148	0
2037 Oct	0.000956953	0.123656064	1.03349E-05	1.305709004	2.292104244	0.034005731	0.000356984	4.623998642	0.001209249	0.010857773	0.000257914	0.000124609	6.36212E-05	0.092206612	2.06699E-06	7.3396E-05	0.000513668	0.00156416	0
2037 Nov	0.000959583	0.121097952	1.03042E-05	1.290437222	2.251315832	0.03190561	0.000376176	4.596245766	0.001191131	0.010910448	0.000237454	0.000115648	6.15907E-05	0.090667009	2.06085E-06	7.45432E-05	0.000486514	0.001524624	0
2037 Dec	0.000960294	0.121120282	1.03105E-05	1.290954471	2.251888752	0.031878259	0.000376877	4.598709583	0.001191515	0.010919058	0.000237138	0.000115517	6.15851E-05	0.090692483	2.0621E-06	7.46204E-05	0.000486211	0.001524734	0
2038 Jan	0.000960769	0.121218942	1.03107E-05	1.291790605	2.254208326	0.031938624	0.000377006	4.602165222	0.00119205	0.010921373	0.000237307	0.000115506	6.16027E-05	0.090780489	2.06214E-06	7.46439E-05	0.000486728	0.001524536	0
2038 Feb	0.000961349	0.121373639	1.03109E-05	1.293026686	2.257674217	0.032040358	0.000376971	4.606947422	0.001192911	0.010923546	0.000237733	0.000115577	6.16447E-05	0.090911694	2.06218E-06	7.46613E-05	0.000487683	0.001524604	0
2038 Mar	0.000961891	0.121486522	1.03134E-05	1.29400444	2.260094643	0.032103375	0.000377041	4.610637188	0.00119366	0.010927296	0.000238021	0.000115643	6.1682E-05	0.091004618	2.06268E-06	7.46883E-05	0.000488318	0.001525	0
2038 Apr	0.000965231	0.121933751	1.03473E-05	1.298640132	2.268597841	0.032240476	0.000378269	4.627272129	0.001197849	0.010963872	0.000238936	0.000116044	6.18977E-05	0.091344401	2.06947E-06	7.49391E-05	0.00049022	0.001530031	0
2038 May	0.001025555	0.141941607	1.04215E-05	1.451291442	2.694378376	0.045756318	0.000352702	5.175296307	0.001314571	0.011194736	0.000362665	0.000136708	7.41512E-05	0.107398458	2.0843E-06	7.5911E-05	0.000632811	0.001599264	0
2038 Jun	0.000990323	0.167710528	9.87439E-06	1.585897923	3.176877499	0.068993531	0.00018534	5.475212574	0.001445657	0.010456587	0.000585419	0.0002124	9.22501E-05	0.124804154	1.97488E-06	6.58753E-05	0.000928986	0.001845316	0
2038 Jul	0.000996486	0.164202809	1.06701E-05	1.568756938	3.029180288	0.063521311	0.000185356	5.332425594	0.001467906	0.010982492	0.000535089	0.000228143	8.96372E-05	0.119502552	2.13402E-06	6.78537E-05	0.000905547	0.002016335	0
2038 Aug	0.001025816	0.161316201	1.11995E-05	1.586335301	2.982227087	0.059524428	0.000225882	5.419034958	0.001484031	0.01128882	0.000495099	0.000213135	8.93481E-05	0.118567936	2.23989E-06	7.04988E-05	0.000839196	0.002006058	0
2038 Sep	0.0010133	0.147216797	1.1003E-05	1.49848175	2.743728399	0.049542997	0.000294635	5.198441029	0.001391373	0.011249623	0.000399527	0.000174491	8.02454E-05	0.109743066	2.2006E-06	7.30762E-05	0.000705632	0.00183023	0
2038 Oct	0.001001376	0.132242069	1.06742E-05	1.392083883	2.482734442	0.038621645	0.000369466	4.932937622	0.001279498	0.011252521	0.000296145	0.000132449	6.90966E-05	0.099730134	2.13485E-06	7.6363E-05	0.000566476	0.001627153	0
2038 Nov	0.001003741	0.131566599	1.06846E-05	1.388750672	2.471537828	0.037941664	0.000376179	4.929347038	0.001275396	0.011289191	0.000289483	0.000129779	6.84985E-05	0.099315099	2.13692E-06	7.68527E-05	0.000558052	0.001617454	0
2038 Dec	0.001004012	0.131499231	1.06859E-05	1.388435483	2.47042799	0.037871622	0.000376888	4.929088593	0.001274998	0.01129328	0.000288795	0.000129504	6.84378E-05	0.099274136	2.13718E-06	7.69056E-05	0.000557187	0.00161648	0
2039 Jan	0.001004462	0.131592348	1.06855E-05	1.38920927	2.472656488	0.037929699	0.000377022	4.932383537	0.001275462	0.011295182	0.000288915	0.000129473	6.84479E-05	0.099358276	2.13711E-06	7.69272E-05	0.000557658	0.001616132	0
2039 Feb	0.001005045	0.131751657	1.06853E-05	1.390466452	2.476244211	0.038035981	0.000376976	4.937283993	0.001276322	0.011297086	0.000289341	0.000129539	6.8488E-05	0.099493787	2.13706E-06	7.69431E-05	0.000558642	0.001616118	0

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.001006245	0.131954148	1.06945E-05	1.392371893	2.480373383	0.038127329	0.000377282	4.944288731	0.00127791	0.011308034	0.000289828	0.000129689	6.85699E-05	0.099654987	2.1389E-06	7.70193E-05	0.00055967	0.001617528	0
2039 Apr	0.001009788	0.132444486	1.07302E-05	1.397414088	2.489775419	0.038287777	0.000378528	4.962329388	0.001282446	0.011346396	0.000290929	0.000130142	6.88115E-05	0.10003005	2.14603E-06	7.72815E-05	0.000561846	0.001622926	0
2039 May	0.001028771	0.135446236	1.09068E-05	1.426537514	2.548300266	0.039483294	0.000383597	5.06616354	0.00130815	0.011540252	0.000300865	0.000133101	7.04391E-05	0.102335267	2.18135E-06	7.85774E-05	0.00057698	0.001651967	0
2039 Jun	0.000685404	0.093785509	9.91359E-06	0.983925641	1.478925705	0.021069117	0.000162163	3.060548782	0.001047775	0.009335015	0.000152816	0.000201354	4.87387E-05	0.060451478	1.98272E-06	5.52357E-05	0.000510025	0.001934843	0
2039 Jul	0.00069072	0.08617226	9.74208E-06	0.879483163	1.235182643	0.013531666	0.000141279	2.807111025	0.000954257	0.008812007	0.000106199	0.000158115	4.25443E-05	0.050910305	1.94842E-06	4.93164E-05	0.000336451	0.001684913	0
2039 Aug	0.000818281	0.091249168	1.02058E-05	0.954598784	1.364014506	0.011461221	0.000219873	3.325196266	0.000973765	0.009136039	9.61351E-05	8.86578E-05	4.54956E-05	0.056759048	2.04115E-06	5.27131E-05	0.000170323	0.0013636	0
2039 Sep	0.000851272	0.092249826	1.03644E-05	1.000620365	1.450746298	0.011358801	0.000278758	3.533598661	0.000996617	0.009551376	8.47772E-05	7.87909E-05	4.61573E-05	0.060453862	2.07288E-06	5.81683E-05	0.000171412	0.001345935	0
2039 Oct	0.000871653	0.092196912	1.0263E-05	1.01884234	1.508096457	0.01099912	0.000329412	3.652346611	0.000993402	0.009846815	7.32556E-05	6.84816E-05	4.49334E-05	0.062598363	2.05259E-06	6.28559E-05	0.000175117	0.001299794	0
2039 Nov	0.000875352	0.092515647	1.02953E-05	1.022981763	1.515220523	0.01102555	0.00033222	3.668938398	0.00099675	0.009890736	7.31322E-05	6.83813E-05	4.50494E-05	0.062886313	2.05906E-06	6.32282E-05	0.000175847	0.001302798	0
2039 Dec	0.000876057	0.092573985	1.03011E-05	1.02376461	1.516602755	0.01102991	0.000332802	3.672137737	0.000997359	0.00989918	7.30942E-05	6.83491E-05	4.5069E-05	0.062941954	2.06022E-06	6.33027E-05	0.000175986	0.001303287	0
2040 Jan	0.000876444	0.092666373	1.03009E-05	1.024558663	1.518849969	0.011090823	0.000332919	3.675299406	0.000997873	0.009901336	7.33472E-05	6.83758E-05	4.50936E-05	0.063026898	2.06017E-06	6.33267E-05	0.000176609	0.001303267	0
2040 Feb	0.000876928	0.092795715	1.03012E-05	1.02561295	1.521777868	0.011175903	0.000332917	3.679329395	0.000998615	0.00990355	7.37355E-05	6.84493E-05	4.51325E-05	0.0631378	2.06024E-06	6.33454E-05	0.000177456	0.001303431	0
2040 Mar	0.000878041	0.09295579	1.03113E-05	1.027179003	1.524839997	0.011232823	0.000333239	3.68508172	0.000999985	0.009914358	7.40173E-05	6.85555E-05	4.51974E-05	0.063259117	2.06227E-06	6.3417E-05	0.000178086	0.001304784	0
2040 Apr	0.000881199	0.093313672	1.03468E-05	1.031020284	1.530953884	0.011297037	0.000334381	3.698937416	0.001003639	0.00994903	7.43884E-05	6.88128E-05	4.53642E-05	0.063509561	2.06936E-06	6.36402E-05	0.000178953	0.001309309	0
2040 May	0.000932722	0.109107099	1.04639E-05	1.158454657	1.876310468	0.021765444	0.000325068	4.153296471	0.001101553	0.010258161	0.000167396	8.66353E-05	5.48592E-05	0.076573104	2.09278E-06	6.57679E-05	0.000298501	0.001382449	0
2040 Jun	0.000846929	0.136841238	9.69385E-06	1.319966555	2.457941771	0.049985472	0.000152317	4.408229828	0.001267353	0.009715231	0.000417881	0.000209218	7.44324E-05	0.097396754	1.93877E-06	5.88267E-05	0.000757696	0.001862276	0
2040 Jul	0.000809767	0.124499679	1.01555E-05	1.221775413	2.127202988	0.039915081	0.000145863	3.98047924	0.001221127	0.009836052	0.000328227	0.000214745	6.66786E-05	0.0849934	2.03109E-06	5.80547E-05	0.000677461	0.001960588	0
2040 Aug	0.000845906	0.12376193	1.05538E-05	1.236798882	2.106000185	0.037044529	0.000174875	4.079881668	0.001231803	0.010089974	0.000302898	0.000198018	6.6491E-05	0.08468926	2.11075E-06	5.99096E-05	0.000615632	0.001918868	0
2040 Sep	0.000851664	0.11578162	1.05448E-05	1.223182201	2.026263475	0.031946354	0.000240609	4.109817028	0.001197492	0.010044194	0.000248739	0.00016449	6.38321E-05	0.082509078	2.10897E-06	6.23067E-05	0.000520166	0.001775309	0
2040 Oct	0.000875589	0.113135666	1.0513E-05	1.215128183	2.005378723	0.028827669	0.000291373	4.157347202	0.001174164	0.010300821	0.000216469	0.00014423	6.06551E-05	0.081700794	2.10259E-06	6.61748E-05	0.000475535	0.001685861	0
2040 Nov	0.000880781	0.113174789	1.05402E-05	1.217790961	2.008937359	0.028568465	0.000297815	4.174725533	0.001175025	0.010359171	0.000213547	0.00014242	6.04824E-05	0.081850462	2.10803E-06	6.67941E-05	0.00047201	0.001680936	0
2040 Dec	0.000881271	0.113183282	1.0543E-05	1.218076587	2.009336233	0.028547307	0.000298386	4.176418304	0.001175153	0.010364691	0.000213304	0.00014227	6.04702E-05	0.081867114	2.1086E-06	6.68507E-05	0.000471726	0.001680586	0
2041 Jan	0.000881762	0.113274582	1.05435E-05	1.218868256	2.011497021	0.028599806	0.00029857	4.179749966	0.001175654	0.010367539	0.000213471	0.000142245	6.04884E-05	0.08194907	2.1087E-06	6.68795E-05	0.000472175	0.00168038	0
2041 Feb	0.00088232	0.113409348	1.05443E-05	1.219970465	2.014508486	0.028684467	0.000298597	4.184039116	0.001176428	0.010370223	0.000213836	0.0001423	6.05265E-05	0.082063317	2.10885E-06	6.69013E-05	0.000472977	0.001680482	0
2041 Mar	0.000883289	0.113568313	1.05526E-05	1.221491218	2.017668962	0.028752245	0.000298837	4.189531803	0.001177738	0.010379506	0.000214196	0.000142437	6.05929E-05	0.082187466	2.11053E-06	6.69637E-05	0.00047377	0.001681804	0
2041 Apr	0.000885757	0.113905221	1.05803E-05	1.225006938	2.023846626	0.028853266	0.000299622	4.201747894	0.001181038	0.010407302	0.000214866	0.000142824	6.07621E-05	0.082436487	2.11606E-06	6.71444E-05	0.00047525	0.001686204	0
2041 May	0.000906093	0.118336126	1.06965E-05	1.262825012	2.11572361	0.031296093	0.000300722	4.339307785	0.001211565	0.010564346	0.000236516	0.000146827	6.32888E-05	0.085957117	2.1393E-06	6.81786E-05	0.000502306	0.001710637	0
2041 Jun	0.000675817	0.092278749	9.92949E-06	0.971601486	1.439502597	0.020309724	0.000153413	3.004834652	0.00104136	0.009222813	0.000147412	0.000201274	4.84699E-05	0.059050474	1.9859E-06	5.39642E-05	0.000497221	0.001935521	0
2041 Jul	0.000634418	0.083275601	9.6731E-06	0.863503695	1.190671206	0.014345547	0.000120044	2.624835014	0.000960355	0.008736855	0.000104961	0.000189891	4.22208E-05	0.049195334	1.93462E-06	4.8834E-05	0.000412231	0.001852913	0
2041 Aug	0.000697443	0.088352822	1.02863E-05	0.93173933	1.290350199	0.014588167	0.000152546	2.907250643	0.001016572	0.00925852	0.000106008	0.000181131	4.54212E-05	0.0535689	2.05726E-06	5.25147E-05	0.000391391	0.001865176	0
2041 Sep	0.000732597	0.088834673	1.04211E-05	0.972660959	1.361757994	0.014146253	0.000205237	3.120392084	0.001031515	0.009491443	9.54388E-05	0.000161879	4.65352E-05	0.056839328	2.08421E-06	5.62043E-05	0.000361086	0.001791487	0
2041 Oct	0.000775974	0.089561	1.03275E-05	0.998154998	1.438868165	0.013310063	0.000270501	3.321378231	0.001024024	0.009822582	8.1949E-05	0.00013687	4.53073E-05	0.05978528	2.0655E-06	6.14551E-05	0.000331824	0.00166852	0
2041 Nov	0.000785037	0.090080604	1.03656E-05	1.006085873	1.455264449	0.013271167	0.000279828	3.36205411	0.001028022	0.009910498	8.06836E-05	0.000134451	4.53739E-05	0.060434826	2.07313E-06	6.23961E-05	0.00032982	0.001661413	0
2041 Dec	0.000785901	0.090143904	1.03714E-05	1.00693965	1.456839204	0.013272529	0.000280556	3.365885019	0.001028612	0.009919584	8.06209E-05	0.000134326	4.53923E-05	0.060498055	2.07429E-06	6.248E-05	0.000329782	0.001661429	0
2042 Jan	0.000786593	0.090273082	1.03729E-05	1.008085966	1.45985496	0.013345881	0.000280798	3.370577335	0.001029376	0.009923873	8.09318E-05	0.000134315	4.54294E-05	0.060613178	2.07458E-06	6.25206E-05	0.000330435	0.001661334	0
2042 Feb	0.000787201	0.090426974	1.03731E-05	1.009335637	1.46334815	0.013445883	0.000280817	3.375473022	0.001030232	0.009926375	8.13892E-05	0.00013437	4.5475E-05	0.0607455	2.07462E-06	6.25425E-05	0.000331366	0.001661341	0
2042 Mar	0.000787985	0.09056291	1.03792E-05	1.010597467	1.46609509	0.013508179	0.000280988	3.380084038	0.00103129	0.009933443	8.16855E-05	0.000134477	4.55261E-05	0.060852613	2.07583E-06	6.25904E-05	0.000332065	0.001662299	0
2042 Apr	0.000793152	0.091182902	1.04448E-05	1.017369986	1.476444483	0.0136247	0.000282768	3.402959347	0.001038071	0.00999696	8.23441E-05	0.000135343	4.58279E-05	0.061278231	2.08896E-06	6.29925E-05	0.000334453	0.001672799	0
2042 May	0.000838506	0.10165754	1.06547E-05	1.105690956	1.698586822	0.019713178	0.000284073	3.727408886	0.001107247	0.010313537	0.00013652	0.000144077	5.19058E-05	0.069766574	2.13095E-06	6.51397E-05	0.000399882	0.001719791	0
2042 Jun	0.000689257	0.092648633	1.00044E-05	0.975034475	1.442058086	0.01968044	0.000162403	3.037221432	0.001042444	0.009332337	0.000142237	0.000196581	4.81004E-05	0.059142582	2.00089E-06	5.48403E-05	0.000484254	0.001919409	0
2042 Jul	0.000681042	0.087177716	9.92471E-06	0.898422837	1.258995056	0.014638904	0.000137845	2.807997704	0.000982779	0.008998663	0.000110548	0.000177315	4.37042E-05	0.051920403	1.98494E-06	5.05982E-05	0.000386473	0.001805822	0
2042 Aug	0.00073236	0.079777777	9.83398E-06	0.976604879	1.363038421	0.011740302	0.000284719	3.3174541	0.000970782	0.008660968	6.65314E-05	9.21425E-05	4.7527E-05	0.058458734	1.9668E-06	5.46934E-05	0.000206994	0.001399139	0
2042 Sep	0.000772378	0.078253984	9.85671E-06	1.030400515	1.461358428	0.010740857	0.000377214	3.617652893	0.000978769	0.008911816	4.36065E-05	5.9366E-05	4.84563E-05	0.063111365	1.97134E-06	6.06491E-05	0.000159854	0.001260134	0
2042 Oct	0.000819103	0.081429906	9.80185E-06	1.045585513	1.53663528	0.01033572	0.000424509	3.755677223	0.000975053	0.009470031	3.7124E-05	4.90903E-05	4.5922E-05	0.065324046	1.96037E-06	6.6608E-05	0.000167573	0.00121024	0
2042 Nov	0.000824774	0.081939504	9.84708E-06	1.051185489	1.546817422	0.010370613	0.000428299	3.77886939	0.000979616	0.009536257	3.7064E-05	4.89483E-05	4.60499E-05	0.065720499	1.96942E-06	6.71487E-05	0.000168665	0.001214236	0
2042 Dec	0.000825397	0.081994891	9.85181E-06	1.051782846	1.547930717	0.010374049	0.000428724	3.781385899	0.000980093	0.009543537	3.7054E-05	4.89274E-05	4.60619E-05	0.065763436	1.97036E-06	6.7209E-05	0.000168784	0.001214627	0
2043 Jan	0.000825861	0.082098439	9.85248E-06	1.052594781	1.550191045	0.010434848	0.000428784	3.784598827	0.000980664	0.009546452	3.73333E-05	4.8972E-05	4.60876E-05	0.065847933	1.9705E-06	6.7233E-05	0.00016941	0.001214745	0
2043 Feb	0.000826343	0.082227007	9.85289E-06	1.053596616	1.55300045	0.010517313	0.000428743	3.788429022	0.000981381	0.009548663	3.77223E-05	4.90501E-05	4.61246E-05	0.065953664	1.97058E-06	6.72491E-05	0.00017023	0.001214928	0
2043 Mar	0.000826822	0.082318597	9.85567E-06	1.054417729	1.554938555	0.010565081	0.000428831	3.791506052	0.000982028	0.009552355	3.79445E-05	4.91055E-05	4.61568E-05	0.066028565	1.97113E-06	6.72754E-05	0.000170723	0.001215345	0
2043 Apr	0.000831993	0.08285863	9.91564E-06	1.061133385	1.565258384	0.010655015	0.000431422	3.815725327	0.000988215	0.009611046	3.82965E-05	4.94281E-05	4.64487E-05	0.066462547	1.98313E-06	6.7689E-05	0.000172016	0.001222781	0
2043 May	0.000885305	0.097041361	1.01448E-05	1.171602607	1.854077816	0.019138234	0.000421702	4.209275723	0.001077673	0.009983025	0.000115221	6.55025E-05	5.44146E-05	0.077346876	2.02895E-06	6.98124E-05	0.000269398	0.00130008	0
2043 Jun	0.000867865	0.138782606	9.79743E-06	1.355813742	2.530879498	0.05100175	0.000176013	4.560566902	0.001288541	0.009867382	0.000423082	0.000203646	7.62174E-05	0.100477666	1.95949E-06	6.08494E-05	0.000759754	0.001846783	0
2043 Jul	0.000850688	0.125620604	1.03526E-05	1.240446329	2.150169849	0.038567021	0.000172311	4.121403694	0.001225984	0.010007313	0.000318581	0.000194114	6.69218E-05	0.086121634	2.07053E-06	5.95599E-05	0.0006233	0.001872902	0
2043 Aug	0.000873133	0.119655102	1.07086E-05	1.250141621	2.084578514	0.033573855	0.000231348	4.215119839	0.001221777	0.010111263	0.000267167	0.000164499	6.61508E-05	0.084787965	2.14173E-06	6.19053E-05	0.000523224	0.00177892	0
2043 Sep	0.000865098	0.10938447	1.05908E-05	1.22109127	1.970407963	0.027707679	0.000298166	4.187796116	0.001172635	0.009939437	0.000205065	0.000128842	6.26228E-05	0.081345461	2.11816E-06	6.37118E-05	0.000418773	0.001618452	0
2043 Oct	0.000898612	0.10461548	1.03887E-05	1.191151977	1.9211092	0.022365544	0.00037942	4.210668564	0.001119283	0.010360755	0.000150705	9.70171E-05	5.59016E-05	0.079097584	2.07774E-06	7.02503E-05	0.000353463	0.00146532	0
2043 Nov	0.000923217	0.100748152	1.02154E-05	1.166031957	1.879808784	0.01818274	0.000441908	4.221796513	0.001076099	0.010671549	0.000108264	7.21556E-05	5.05953E-05	0.077227801	2.04309E-06	7.5216E-05	0.000302201	0.001344123	0
2043 Dec	0.000923855	0.100768968	1.02192E-05	1.166419148	1.880427241	0.018160554	0.000442591	4.223958492	0.001076307	0.010679118	0.000108001	7.2006E-05	5.05807E-05	0.077251919	2.04383E-06	7.52901E-05	0.000301968	0.001343883	0
2044 Jan	0.000924563	0.100928202	1.02202E-05	1.167721272	1.883996725	0.018257227	0.00044269	4.229114532	0.001077208	0.010683006	0.000108399	7.20555E-05	5.06211E-05	0.077386804	2.04403E-06	7.53234E-05	0.000302896	0.001343954	0
2044 Feb	0.000925786	0.101190887	1.02254E-05	1.169969201	1.889639258	0.018406805	0.000442814	4.237595558	0.001078921	0.010691171	0.000109091	7.22121E-05	5.07075E-05	0.077602923	2.04508E-06	7.53819E-05	0.000304403	0.001344823	0
2044 Mar	0.000927199	0.101415418	1.02366E-05	1.17213738	1.894231558	0.018502818	0.000443242	4.245632172	0.001080726	0.010704274	0.000109555	7.23556E-05	5.07954E-05	0.077783056	2.04732E-06	7.54749E-05	0.000305467	0.001346386	0
2044 Apr	0.000929948	0.101754934	1.02644E-05	1.175823569	1.900795221	0.018595444	0.000444417	4.259086609	0.001084016	0.010734206	0.000110046	7.25885E-05	5.09519E-05	0.078047879	2.05289E-06	7.56862E-05	0.000306705	0.001350103	0
2044 May	0.000951566	0.105176598	1.04604E-05	1.209021091	1.968096256	0.019977326	0.000450297	4.378265381	0.001113021	0.010950889	0.000121559	7.57407E-05	5.28158E-05	0.080697894	2.09208E-06	7.71471E-05	0.000323723	0.00138151	0
2044 Jun	0.000672399	0.093198851	9.63854E-06	0.97245127	1.48207736	0.021906082	0.000154787	3.034238577	0.001030204	0.009079875	0.000161805	0.000197113	4.87435E-05	0.06046116	1.92771E-06	5.36577E-05	0.000508583	0.001883201	0
2044 Jul	0.00066508	0.091128655	1.02062E-05	0.952195585	1.361412764	0.018586125	0.000132424	2.872149706	0.001048075	0.009369652	0.000133816	0.000217062	4.72015E-05	0.055970915	2.04125E-06	5.35134E-05	0.000506694	0.002043648	0
2044 Aug	0.000725857	0.096513994	1.09311E-05	1.030480504	1.470157862	0.01911951	0.000165784	3.163385868	0.001118078	0.009984947	0.000134852	0.000215514	5.09801E-05	0.060799085	2.18621E-06	5.78632E-05	0.000503198	0.002106471	0
2044 Sep	0.000775494	0.088729449	1.03898E-05	1.051298261	1.525757074	0.014853383	0.000310617	3.511564732	0.001053089	0.009781471	8.32672E-05	0.00013021	4.8952E-05	0.064123966	2.07795E-06	6.33984E-05	0.000337238	0.001655853	0
2044 Oct	0.00082881	0.089523435	1.02055E-05	1.065180898	1.595469832	0.013269457	0.000383173	3.705387354	0.001030673	0.010182184	6.49561E-05	9.89021E-05	4.61247E-05	0.066478312	2.0411E-06	6.9427E-05	0.00029613	0.001491926	0
2044 Nov	0.000841624	0.089986429	1.02073E-05	1.071512699	1.614029408	0.013022395	0.000397985	3.754412651	0.001030149	0.010292432	6.1788E-05	9.34425E-05	4.57629E-05	0.067149527	2.04146E-06	7.07903E-05	0.000289547	0.001466775	0
2044 Dec	0.000842212	0.090027772	1.02108E-05	1.072024465	1.615015149	0.013020892	0.000398472	3.756845474	0.001030483	0.010298526	6.17333E-05	9.33439E-05	4.57697E-05	0.067188144	2.04216E-06	7.08466E-05	0.000289488	0.001466669	0
2045 Jan	0.00084271	0.0901412	1.02106E-05	1.072929382	1.617615104	0.013092048	0.000398547	3.760555983	0.001031067	0.010300713	6.20485E-05	9.33509E-05	4.57984E-05	0.067285888	2.04212E-06	7.08679E-05	0.000290123	0.001466482	0
2045 Feb	0.000843265	0.090292133	1.02106E-05	1.074112892	1.620976806	0.013191585	0.000398497	3.765141249	0.001031888	0.010302716	6.25122E-05	9.34225E-05	4.58424E-05	0.067412719	2.04212E-06	7.08836E-05	0.000291063	0.001466537	0
2045 Mar	0.000844213	0.090443589	1.02184E-05	1.075580835	1.624051452	0.013255973	0.000398775	3.770525217	0.001033126	0.010311697	6.28129E-05	9.35331E-05	4.59015E-05	0.067533508	2.04368E-06	7.09465E-05	0.000291798	0.00146769	0
2045 Apr	0.000846718	0.090740435	1.02466E-05	1.078920722	1.62958467	0.013323586	0.000399861	3.78236866	0.001036236	0.010340806	6.31308E-05	9.38138E-05	4.6042E-05	0.067759559	2.04932E-06	7.11473E-05	0.000292897	0.001471762	0
2045 May	0.000862109	0.092402667	1.0432E-05	1.098599315	1.659519911	0.013578304	0.000407083	3.851406336	0.001055096	0.010528146	6.4352E-05	9.55232E-05	4.68825E-05	0.069002524	2.0864E-06	7.24363E-05	0.000298329	0.001498408	0
2045 Jun	0.000674096	0.084321573	9.92603E-06	0.92902261	1.307329893	0.014298721	0.000199923	2.901420593	0.000996566	0.00931226	8.82404E-05	0.000180285	4.3356E-05	0.054262586	1.98521E-06	5.63718E-05	0.000422077	0.001854285	0
2045 Jul	0.000653466	0.086339206	1.02465E-05	0.913241684	1.247182965	0.014966919	0.000134777	2.733279943	0.001020456	0.009315644	0.000102465	0.000211209	4.4227E-05	0.051676817	2.04931E-06	5.29012E-05	0.000463622	0.002025997	0
2045 Aug	0.000702147	0.089266598	1.06912E-05	0.972574055	1.332504034	0.015004597	0.000172833	2.989083052	0.001062594	0.009663318	9.94186E-05	0.000198114	4.71121E-05	0.055634398	2.13823E-06	5.60382E-05	0.000435539	0.002004927	0
2045 Sep	0.000742639	0.087942004	1.05808E-05	1.007799506	1.409678102	0.013868276	0.000249963	3.24752903	0.001052973	0.009752882	8.15163E-05	0.000159426	4.73866E-05	0.059221048	2.11615E-06	6.01212E-05	0.000369209	0.001813477	0
2045 Oct	0.000766081	0.089079171	1.06252E-05	1.024554014	1.44999969	0.013672094	0.000275437	3.348685741	0.001057736	0.009954842	7.77645E-05	0.000150879	4.72481E-05	0.060769748	2.12504E-06	6.25024E-05	0.000360043	0.001778142	0
2045 Nov	0.000768857	0.089357674	1.06559E-05	1.027859688	1.455141187	0.013704501	0.00027691	3.360784292	0.001060799	0.009988054	7.78754E-05	0.000151058	4.73751E-05	0.060981296	2.13117E-06	6.2742E-05	0.000360784	0.001782082	0
2045 Dec	0.000769607	0.089420713	1.0662E-05	1.028640628	1.456498981	0.013708542	0.000277439	3.364041805	0.001061415	0.009996236	7.78583E-05	0.000151006	4.73973E-05	0.06103605	2.1324E-06	6.28103E-05	0.00036083	0.001782459	0
2046 Jan	0.000770045	0.08950156	1.06627E-05	1.029342771	1.458380222	0.013754145	0.000277591	3.366965771	0.001061872	0.009998844	7.80539E-05	0.00015099	4.74193E-05	0.061107561	2.13255E-06	6.28353E-05	0.000361221	0.00178233	0

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.000770514	0.089607671	1.06639E-05	1.030228972	1.46072185	0.013818013	0.000277633	3.370391369	0.001062512	0.010001468	7.83491E-05	0.000151036	4.74523E-05	0.061196733	2.13279E-06	6.28557E-05	0.000361833	0.001782491	0
2046 Mar	0.000771782	0.089783378	1.06786E-05	1.032066584	1.463920236	0.013871061	0.000278021	3.376691103	0.001064258	0.010016042	7.86133E-05	0.000151259	4.75328E-05	0.061325852	2.13572E-06	6.29494E-05	0.000362643	0.001784921	0
2046 Apr	0.000776517	0.090350285	1.07424E-05	1.038478971	1.473354816	0.013973485	0.000279687	3.397835732	0.001070785	0.010076405	7.91729E-05	0.000152172	4.78257E-05	0.061718296	2.14849E-06	6.333E-05	0.00036499	0.001795583	0
2046 May	0.000802994	0.095578112	1.09267E-05	1.084736347	1.579820991	0.016635383	0.000282921	3.565110922	0.001109194	0.01030214	0.000102519	0.000156984	5.07762E-05	0.065829031	2.18534E-06	6.48169E-05	0.000395207	0.001830195	0
2046 Jun	0.000662357	0.090240963	9.9189E-06	0.954993784	1.393178821	0.019299373	0.00014846	2.927150726	0.00103199	0.009160017	0.000138106	0.000203742	4.75279E-05	0.057303458	1.98378E-06	5.33474E-05	0.000492693	0.001950563	0
2046 Jul	0.00063873	0.084054686	9.81616E-06	0.872655928	1.197882771	0.014427928	0.000119495	2.640261412	0.000973675	0.008856388	0.00010492	0.00019507	4.26667E-05	0.049523614	1.96323E-06	4.94326E-05	0.000421973	0.001893534	0
2046 Aug	0.000693766	0.086703889	1.02621E-05	0.938005388	1.292687654	0.014241094	0.000168279	2.937796593	0.00101516	0.009197951	9.90181E-05	0.000175337	4.57777E-05	0.05399695	2.05243E-06	5.29494E-05	0.000379858	0.001840638	0
2046 Sep	0.000754908	0.083698988	1.00193E-05	0.993684411	1.418240309	0.012242958	0.000302518	3.35198307	0.000995321	0.009359922	6.57451E-05	0.000112547	4.57333E-05	0.059831519	2.00385E-06	6.0343E-05	0.000277683	0.001529399	0
2046 Oct	0.000823031	0.086085737	9.89455E-06	1.026615143	1.53314507	0.011199361	0.000390698	3.62633276	0.000985092	0.009950658	4.96489E-05	8.08875E-05	4.33139E-05	0.063898854	1.97891E-06	6.8366E-05	0.00024796	0.001372242	0
2046 Nov	0.000834296	0.086651087	9.90792E-06	1.033934951	1.552577257	0.011097776	0.000403268	3.672627449	0.000986706	0.010056728	4.77151E-05	7.7034E-05	4.31302E-05	0.064615414	1.98158E-06	6.96074E-05	0.000244855	0.001356007	0
2046 Dec	0.000835112	0.086720034	9.91446E-06	1.034772754	1.554056168	0.011102051	0.000403849	3.676134348	0.000987365	0.01006579	4.76943E-05	7.69812E-05	4.31523E-05	0.064674549	1.98289E-06	6.96834E-05	0.000244927	0.00135643	0
2047 Jan	0.000835673	0.086841799	9.91531E-06	1.035780311	1.556800127	0.011175063	0.000403949	3.680152893	0.000988057	0.010068929	4.8023E-05	7.70101E-05	4.31865E-05	0.064778395	1.98306E-06	6.97108E-05	0.000245616	0.001356454	0
2047 Feb	0.000836355	0.087005943	9.917E-06	1.037128806	1.560390472	0.011275945	0.00040396	3.685292959	0.000989044	0.010072601	4.84949E-05	7.7101E-05	4.3238E-05	0.064914905	1.9834E-06	6.97378E-05	0.000246604	0.001356777	0
2047 Mar	0.000838678	0.087298609	9.94104E-06	1.040284872	1.565992832	0.011357419	0.000404908	3.696698189	0.00099189	0.010098098	4.88661E-05	7.73305E-05	4.33669E-05	0.065140948	1.98821E-06	6.99152E-05	0.00024772	0.001360118	0
2047 Apr	0.000841401	0.087611116	9.97132E-06	1.04381907	1.571800351	0.0114229	0.000406123	3.709366322	0.000995167	0.010129466	4.91596E-05	7.75903E-05	4.35128E-05	0.065378517	1.99426E-06	7.01329E-05	0.00024877	0.001364289	0
2047 May	0.000904279	0.107815959	1.00676E-05	1.196723938	1.997882009	0.024824494	0.000381783	4.258725166	0.001112861	0.010408103	0.000171794	9.88435E-05	5.55685E-05	0.081399657	2.01352E-06	7.14397E-05	0.000392744	0.001438991	0
2047 Jun	0.000949516	0.158044606	9.81337E-06	1.508186817	2.963727474	0.063049719	0.000183208	5.171990871	0.00139074	0.010244652	0.000531874	0.000208299	8.68171E-05	0.116751797	1.96267E-06	6.41938E-05	0.000871642	0.00183629	0
2047 Jul	0.000929395	0.148829922	1.0498E-05	1.43911314	2.686587572	0.054200493	0.000177284	4.835087776	0.001374037	0.010577369	0.000452607	0.000220225	8.08069E-05	0.106465161	2.09961E-06	6.45815E-05	0.000811781	0.001985111	0
2047 Aug	0.000956599	0.146407425	1.09553E-05	1.461386323	2.660086393	0.050975963	0.000217943	4.940191269	0.001391044	0.010839583	0.000418864	0.00020543	8.10044E-05	0.106302716	2.19107E-06	6.71456E-05	0.000753658	0.001968231	0
2047 Sep	0.000917627	0.122594111	1.05444E-05	1.329825163	2.288724899	0.036249936	0.000318903	4.608310223	0.001245235	0.010395254	0.000276242	0.000139579	6.89618E-05	0.093130238	2.10888E-06	6.85326E-05	0.000529592	0.001654344	0
2047 Oct	0.00092737	0.11298579	1.0264E-05	1.25706327	2.127908945	0.028192392	0.000390278	4.468550205	0.00116053	0.010586857	0.000199615	0.000103826	5.98853E-05	0.086684175	2.0528E-06	7.29847E-05	0.000428473	0.001478071	0
2047 Nov	0.000932302	0.111152612	1.02311E-05	1.244364977	2.097924948	0.026458763	0.000407522	4.450218201	0.001144854	0.010661285	0.000182927	9.60711E-05	5.80154E-05	0.085486419	2.04621E-06	7.42038E-05	0.000406937	0.001442685	0
2047 Dec	0.000932977	0.111187108	1.02368E-05	1.244899511	2.098663807	0.026442382	0.000408103	4.452642918	0.00114527	0.010669338	0.000182724	9.59839E-05	5.80161E-05	0.085516974	2.04736E-06	7.42732E-05	0.000406782	0.001442913	0
2048 Jan	0.00093363	0.111310996	1.02391E-05	1.245970368	2.101395607	0.026509445	0.000408271	4.456889153	0.00114604	0.010673832	0.000182973	9.60119E-05	5.80475E-05	0.085621133	2.04781E-06	7.431E-05	0.000407425	0.001443091	0
2048 Feb	0.000934546	0.111504532	1.02432E-05	1.247634649	2.10554719	0.026618464	0.000408377	4.463173866	0.001147311	0.010680059	0.000183473	9.61251E-05	5.81109E-05	0.085780278	2.04863E-06	7.43547E-05	0.000408523	0.001443745	0
2048 Mar	0.000934901	0.111592487	1.02438E-05	1.248347759	2.107476711	0.026673429	0.000408373	4.465903759	0.001147827	0.010681827	0.000183716	9.61719E-05	5.81366E-05	0.085853495	2.04877E-06	7.43678E-05	0.000409055	0.001443882	0
2048 Apr	0.000940306	0.11240039	1.02916E-05	1.256417632	2.123694658	0.026987858	0.000410165	4.495411873	0.001154746	0.010735385	0.000185397	9.67646E-05	5.84852E-05	0.08649487	2.05831E-06	7.47434E-05	0.000412768	0.001450758	0
2048 May	0.000960135	0.114856161	1.05028E-05	1.283361316	2.170574188	0.027640451	0.00041851	4.59211874	0.001179258	0.010957607	0.000189671	9.88326E-05	5.97297E-05	0.088394195	2.10055E-06	7.62913E-05	0.000422188	0.001480642	0
2048 Jun	0.000704203	0.091606162	9.86468E-06	0.987598777	1.479948997	0.019171299	0.000203663	3.145632505	0.001032151	0.009389041	0.000131917	0.000179217	4.75668E-05	0.060780775	1.97294E-06	5.73462E-05	0.000461454	0.001828567	0
2048 Jul	0.000652033	0.085698284	1.00137E-05	0.891880035	1.22546649	0.014714024	0.000125022	2.699814796	0.000993959	0.009055235	0.000106145	0.000198996	4.34912E-05	0.050664879	2.00275E-06	5.07421E-05	0.000432133	0.001933038	0
2048 Aug	0.000711984	0.085265592	1.02578E-05	0.962283313	1.329350352	0.013575621	0.000209112	3.08995223	0.001014519	0.009151862	8.83339E-05	0.000152447	4.68588E-05	0.056049965	2.05155E-06	5.43678E-05	0.000333307	0.001732629	0
2048 Sep	0.000759451	0.083732776	1.01471E-05	1.007617235	1.427660227	0.012277106	0.00030584	3.400239468	0.001007069	0.009341841	6.53314E-05	0.000109904	4.70256E-05	0.060542375	2.02943E-06	6.01133E-05	0.000266369	0.00152821	0
2048 Oct	0.000810333	0.085439108	9.99547E-06	1.027849436	1.51273191	0.011423989	0.000373687	3.596497774	0.000993957	0.009793107	5.26625E-05	8.55099E-05	4.46884E-05	0.063433714	1.99909E-06	6.63662E-05	0.000245511	0.001402044	0
2048 Nov	0.000831344	0.08645916	1E-05	1.040024161	1.548716903	0.011207091	0.000397877	3.680091858	0.000995053	0.009993566	4.88083E-05	7.80024E-05	4.41666E-05	0.064721815	2E-06	6.87685E-05	0.000240025	0.001368411	0
2048 Dec	0.000832111	0.086520173	1.00053E-05	1.040756583	1.550094128	0.011209398	0.000398471	3.683333635	0.000995585	0.010001943	4.87716E-05	7.79222E-05	4.41811E-05	0.064775907	2.00105E-06	6.88425E-05	0.000240061	0.001368578	0
2049 Jan	0.000832773	0.086662777	1.00062E-05	1.041931391	1.553303719	0.011294307	0.000398596	3.688032389	0.00099639	0.010005749	4.91533E-05	7.79554E-05	4.42201E-05	0.064897165	2.00125E-06	6.88759E-05	0.00024087	0.001368605	0
2049 Feb	0.000833472	0.086843893	1.0007E-05	1.043377757	1.557305217	0.011410438	0.000398564	3.693585157	0.00099742	0.010008882	4.96967E-05	7.80518E-05	4.42745E-05	0.065048531	2.0014E-06	6.88996E-05	0.000241994	0.001368817	0
2049 Mar	0.000834582	0.087018743	1.00162E-05	1.045080543	1.560851455	0.011483758	0.000398896	3.699848652	0.000998855	0.010019359	5.00365E-05	7.81727E-05	4.43429E-05	0.065188058	2.00323E-06	6.89729E-05	0.00024282	0.001370131	0
2049 Apr	0.00083876	0.087488092	1.00639E-05	1.05049026	1.569504857	0.011574434	0.000400779	3.719135284	0.001003916	0.01006788	5.04433E-05	7.85737E-05	4.45703E-05	0.0655445338	2.01279E-06	6.93076E-05	0.000244322	0.001376699	0
2049 May	0.0008627	0.091853105	1.02586E-05	1.090465665	1.656555653	0.013620294	0.00040484	3.862033129	0.001038169	0.010290351	6.81094E-05	8.28928E-05	4.70117E-05	0.068932295	2.05172E-06	7.07628E-05	0.000268576	0.001411734	0
2049 Jun	0.00064908	0.085581593	9.70022E-06	0.917614222	1.314737558	0.016657501	0.000161693	2.824597836	0.000992426	0.00901017	0.000113727	0.000191573	4.4469E-05	0.054256726	1.94004E-06	5.31331E-05	0.000454539	0.001877234	0
2049 Jul	0.000648695	0.084865563	9.9008E-06	0.883623242	1.216247678	0.01448946	0.000126593	2.685892582	0.000982199	0.008957992	0.000104724	0.000194068	4.30391E-05	0.050286122	1.98016E-06	5.02861E-05	0.000421578	0.001897221	0
2049 Aug	0.000712299	0.090169914	1.05633E-05	0.95709008	1.322096109	0.014864537	0.000160219	2.978831053	0.001044431	0.009520627	0.000106	0.0001875	4.65367E-05	0.054948524	2.11266E-06	5.42715E-05	0.000406297	0.001926396	0
2049 Sep	0.000772772	0.088254817	1.03289E-05	1.004825354	1.440843463	0.013078001	0.000281892	3.349193573	0.001024902	0.00976099	7.6838E-05	0.000132344	4.58414E-05	0.060186125	2.06578E-06	6.16187E-05	0.000321442	0.001650961	0
2049 Oct	0.000828863	0.08898662	1.01165E-05	1.030945063	1.537725925	0.011868089	0.000368241	3.598047018	0.001006131	0.010170402	5.87714E-05	9.74392E-05	4.35947E-05	0.063749664	2.0233E-06	6.84902E-05	0.00028084	0.001470161	0
2049 Nov	0.000840022	0.089410894	1.01215E-05	1.038441062	1.557379127	0.011733419	0.000382184	3.647274494	0.001006972	0.010266544	5.63383E-05	9.26808E-05	4.34214E-05	0.064498179	2.0243E-06	6.97395E-05	0.000275902	0.001448956	0
2049 Dec	0.000840843	0.089476518	1.01277E-05	1.039276481	1.558872223	0.011736597	0.000382811	3.650862217	0.001007598	0.010275433	5.63025E-05	9.26005E-05	4.34425E-05	0.064558148	2.02554E-06	6.98169E-05	0.000275927	0.001449218	0
2050 Jan	0.000841515	0.089612246	1.01294E-05	1.040445328	1.56194365	0.011815058	0.000382973	3.655519247	0.001008412	0.010279539	5.66505E-05	9.26248E-05	4.34827E-05	0.064675197	2.02587E-06	6.98526E-05	0.000276658	0.001449289	0
2050 Feb	0.000842151	0.089777008	1.013E-05	1.041772485	1.565611362	0.011921416	0.000382951	3.66062808	0.00100935	0.010282272	5.71458E-05	9.27061E-05	4.3533E-05	0.064814188	2.026E-06	6.98738E-05	0.000277674	0.001449443	0
2050 Mar	0.000842616	0.089879483	1.01318E-05	1.042642951	1.567831516	0.011981073	0.000382993	3.663929462	0.001010004	0.010285213	5.74238E-05	9.27636E-05	4.35665E-05	0.064899094	2.02635E-06	6.98952E-05	0.000278266	0.001449731	0
2050 Apr	0.000845767	0.090245754	1.01675E-05	1.046710253	1.57446754	0.012056149	0.000384329	3.678360224	0.001013836	0.010322111	5.77791E-05	9.3114E-05	4.37348E-05	0.065169796	2.03349E-06	7.01468E-05	0.000279557	0.00145486	0
2050 May	0.000864327	0.093371376	1.03317E-05	1.076209068	1.635861516	0.013398103	0.000388444	3.783543348	0.001039592	0.010504659	6.91664E-05	9.62274E-05	4.54526E-05	0.067574464	2.06634E-06	7.13512E-05	0.000296035	0.001482928	0
2050 Jun	0.000709638	0.098607793	9.77705E-06	1.02305007	1.605246305	0.024399247	0.000171074	3.250127316	0.001064114	0.009331211	0.000183424	0.000193656	5.15107E-05	0.065218277	1.95541E-06	5.58886E-05	0.000525155	0.001872363	0
2050 Jul	0.000669345	0.086867236	9.75133E-06	0.894263744	1.268387556	0.01544915	0.000134941	2.789819956	0.000975527	0.0088789	0.000116805	0.000178688	4.37592E-05	0.052197188	1.95027E-06	5.0109E-05	0.000399155	0.001796421	0
2050 Aug	0.000730241	0.090990297	1.021E-05	0.94343704	1.341552258	0.015071194	0.000163152	3.031443834	0.001010786	0.009257092	0.000115766	0.000162165	4.58901E-05	0.055395648	2.042E-06	5.26584E-05	0.000356558	0.001750914	0
2050 Sep	0.000772062	0.089172602	1.01676E-05	0.988944292	1.430318713	0.01367973	0.000256948	3.317820787	0.001009159	0.009492639	9.05565E-05	0.000125808	4.60682E-05	0.059558254	2.03352E-06	5.85811E-05	0.000300956	0.001586878	0
2050 Oct	0.000797333	0.090437874	1.02535E-05	1.010089517	1.475991845	0.013473934	0.000285922	3.430938959	0.001018294	0.009748712	8.56272E-05	0.00011844	4.6026E-05	0.06134754	2.0507E-06	6.14643E-05	0.000295453	0.001563247	0
2050 Nov	0.000801462	0.090864919	1.03004E-05	1.015039921	1.483606577	0.013527389	0.000287917	3.448818922	0.00102297	0.009797831	8.58736E-05	0.000118767	4.62256E-05	0.061661232	2.06009E-06	6.18067E-05	0.000296599	0.001569456	0
2050 Dec	0.00080215	0.09092138	1.03061E-05	1.015765071	1.484865189	0.013530488	0.000288432	3.451838493	0.001023537	0.009805529	8.58445E-05	0.000118719	4.62451E-05	0.061712075	2.06121E-06	6.18723E-05	0.000296654	0.001569818	0
2051 Jan	0.000802647	0.091011055	1.03078E-05	1.016575217	1.486906648	0.013578706	0.000288605	3.455075979	0.001024109	0.009809081	8.60487E-05	0.000118729	4.6272E-05	0.061790291	2.06156E-06	6.19034E-05	0.000297115	0.001569922	0
2051 Feb	0.000803114	0.091119155	1.0309E-05	1.017479897	1.489299297	0.013644485	0.000288643	3.458551645	0.001024764	0.009811707	8.63507E-05	0.000118781	4.63058E-05	0.06188143	2.0618E-06	6.19239E-05	0.000297756	0.001570111	0
2051 Mar	0.000803792	0.091226116	1.0315E-05	1.018509269	1.491389036	0.01368756	0.000288816	3.462269306	0.001025661	0.009818307	8.6561E-05	0.000118872	4.63486E-05	0.061963744	2.06301E-06	6.19677E-05	0.000298262	0.001571041	0
2051 Apr	0.000808029	0.091724105	1.03679E-05	1.023974776	1.499725342	0.013777744	0.000290298	3.480973482	0.001031085	0.009869091	8.70957E-05	0.000119493	4.6595E-05	0.062307518	2.07358E-06	6.22894E-05	0.00029998	0.001579095	0
2051 May	0.00084966	0.101997182	1.05281E-05	1.109074116	1.719700575	0.019982949	0.000289682	3.793128252	0.00109689	0.01014427	0.000142401	0.00012844	5.25785E-05	0.070678867	2.10562E-06	6.41761E-05	0.000367182	0.001622171	0
2051 Jun	0.000696142	0.102026172	9.48549E-06	1.03708744	1.836686134	0.029328482	0.000133147	4.252631187	0.001113748	0.008956265	0.000232778	0.000218959	5.77408E-05	0.068389215	1.8984E-06	5.49418E-05	0.000586468	0.001916109	8.87991E-06
2051 Jul	0.000684692	0.090790652	9.84605E-06	0.958915234	1.785300374	0.020750796	0.000141555	3.359754562	0.001125719	0.009003336	0.000158804	0.000232445	5.54161E-05	0.05889162	1.97239E-06	5.80342E-05	0.000508557	0.001985785	2.16734E-05
2051 Aug	0.000759366	0.087416604	9.98399E-06	1.017724395	2.030038357	0.018051591	0.000246027	6.868730545	0.001166412	0.008957486	0.00012939	0.000181596	6.08624E-05	0.063727126	2.00143E-06	6.42705E-05	0.00036834	0.001713659	3.16352E-05
2051 Sep	0.000838651	0.085813895	9.74721E-06	1.056442261	2.238132715	0.015370029	0.000379838	7.849702835	0.00116287	0.00943308	9.36183E-05	0.000133898	5.98283E-05	0.068508476	1.9549E-06	7.52431E-05	0.000290547	0.001454418	3.72354E-05
2051 Oct	0.000943186	0.087454528	9.47115E-06	1.090507388	2.414112329	0.012387228	0.000526298	8.444889069	0.001137544	0.010343554	5.6161E-05	8.24092E-05	5.49493E-05	0.073459759	1.89997E-06	8.86898E-05	0.000230457	0.001187723	3.91658E-05
2051 Nov	0.000961031	0.088072807	9.51373E-06	1.103616714	2.513893366	0.012471572	0.00054252	8.977944374	0.001161185	0.010458566	5.61671E-05	8.37918E-05	5.64581E-05	0.074749731	1.9091E-06	9.1281E-05	0.000229912	0.001182909	4.33473E-05
2051 Dec	0.000963549	0.088115148	9.51841E-06	1.105664253	2.540026903	0.012537995	0.000544346	9.130632401	0.001167759	0.0104638	5.67991E-05	8.50901E-05	5.69662E-05	0.074973717	1.91022E-06	9.17525E-05	0.000230523	0.001184484	4.46374E-05
2052 Jan	0.000964123	0.088245064	9.51927E-06	1.106758118	2.54361558	0.012621831	0.000544378	9.138996124	0.001168691	0.010466285	5.71989E-05	8.51978E-05	5.702E-05	0.075087585	1.9104E-06	9.17835E-05	0.000231335	0.001184708	4.46746E-05
2052 Feb	0.00096495	0.088438056	9.52218E-06	1.108369589	2.547770977	0.012737174	0.000544398	9.145003319	0.001169904	0.01047121	5.77415E-05	8.53189E-05	5.7083E-05	0.07524652	1.91098E-06	9.18178E-05	0.000232485	0.001185262	4.46742E-05
2052 Mar	0.000966541	0.088647462	9.53504E-06	1.110556245	2.553042173	0.01281479	0.000545054	9.159095764	0.001171947	0.010486285	5.81041E-05	8.54857E-05	5.71847E-05	0.075421833	1.91356E-06	9.19451E-05	0.000233384	0.001186967	4.47268E-05
2052 Apr	0.000969493	0.088953525	9.56257E-06	1.114147305	2.561433554	0.012885431	0.000546584	9.186512947	0.001175589	0.010517086	5.84303E-05	8.57612E-05	5.73636E-05	0.075680651	1.91909E-06	9.22125E-05	0.000234384	0.001190452	4.48517E-05
2052 May	0.001033517	0.115681134	9.69598E-06	1.308369398	3.047384501	0.031096319	0.000490335	9.481115341	0.001319456	0.010751348	0.000226473	0.000117756	7.28601E-05	0.095931202	1.94528E-06	9.107E-05	0.000434157	0.00131887	4.15571E-05
2052 Jun	0.000917774	0.136751309	9.71542E-06	1.369942904	2.998817682	0.050129298	0.00023195	7.509793758	0.001386364	0.009984322	0.000414976	0.000217699	8.32231E-05	0.102938548	1.9468E-06	7.12593E-05	0.000743799	0.001811579	2.53556E-05
2052 Jul	0.000901131	0.1188116	1.00131E-05	1.211006999	2.6570158	0.035037186	0.000230218	7.826748371	0.001307143	0.009724977	0.00029438	0.000194425	7.40068E-05	0.085445076	2.00744E-06	6.92947E-05	0.000534794	0.001707539	3.297E-05
2052 Aug	0.000926695	0.112773634	1.02323E-05	1.212094426	2.76011467	0.030786948	0.000280843	8.989169121	0.001336847	0.009705086	0.000253705	0.000179464	7.62062E-05	0.084281996	2.05273E-06	7.33883E-05	0.000447709	0.001627018	4.28489E-05
2052 Sep	0.000953983	0.10348472	1.008E-05	1.207852125	2.985482693	0.02582803	0.00038344	10.84169483	0.001363737	0.00975404	0.000197594	0.00016099	7.77478E-05	0.084039763	2.02458E-06	8.29448E-05	0.000368004	0.001488771	5.86535E-05
2052 Oct	0.001006658	0.101419009	1.00314E-05	1.227695704	3.406777382	0.024541775	0.000453072	13.45395279	0.001449876	0.010000432	0.000182499	0.000169303	8.334E-05	0.086762749	2.0181E-06	9.39554E-05	0.000351369	0.001447689	8.07413E-05
2052 Nov	0.00101919	0.101729594	1.00673E-05	1.238404751	3.52663064	0.024853213	0.000461893	14.14694309	0.001480925	0.010038688	0.000185374	0.000175268	8.56903E-05	0.087861732	2.02612E-06	9.61809E-05	0.000354449	0.00145683	8.6556E-05
2052 Dec	0.001024341	0.101741694	1.00708E-05	1.242278218	3.586360693	0.024989735	0.000465842	14.50203133	0.001495535	0.01004278	0.000186716	0.000178279	8.68424E-05	0.088321611	2.02728E-06	9.723E-05	0.000355633	0.001459653	8.95877E-05

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.001026027	0.101827115	1.00721E-05	1.243965268	3.603934526	0.025078123	0.000466897	14.59810925	0.001499847	0.010045447	0.000187296	0.000179108	8.71683E-05	0.088512607	2.02764E-06	9.75196E-05	0.000356454	0.001460462	9.03859E-05
2053 Feb	0.001027144	0.101982459	1.00768E-05	1.245584369	3.611075878	0.025169007	0.00046727	14.62632084	0.001501878	0.010051623	0.000187775	0.000179405	8.72981E-05	0.088668056	2.02861E-06	9.76291E-05	0.000357378	0.001461354	9.05833E-05
2053 Mar	0.001029163	0.102222823	1.00947E-05	1.248249173	3.618540287	0.02525221	0.000468069	14.65244961	0.001504805	0.010070328	0.000188274	0.00017974	8.74643E-05	0.088873625	2.03221E-06	9.78047E-05	0.000358386	0.001463976	9.073E-05
2053 Apr	0.001034983	0.102823831	1.01507E-05	1.255433202	3.639216185	0.025414351	0.000470648	14.73382092	0.001513301	0.01012668	0.000189414	0.000180746	8.79558E-05	0.089394197	2.04349E-06	9.83486E-05	0.000360588	0.001472112	9.12252E-05
2053 May	0.001179774	0.148346648	1.00769E-05	1.608701468	4.868861675	0.057751682	0.000424733	17.42412186	0.001827143	0.010573925	0.000484595	0.000244056	0.000120021	0.127965972	2.03057E-06	0.000104763	0.000713883	0.001635952	0.000103921
2053 Jun	0.000980463	0.154577777	9.383E-06	1.515062451	3.757055283	0.065042786	0.000211451	10.12614441	0.001557514	0.009764074	0.00055527	0.00025086	0.000101953	0.120421953	1.88301E-06	7.52382E-05	0.00088277	0.001821379	4.39135E-05
2053 Jul	0.000951588	0.139522597	9.916E-06	1.411104679	3.599129915	0.053649545	0.000218415	11.03062153	0.001559482	0.009894514	0.000453704	0.000271024	9.72782E-05	0.107328117	1.99139E-06	7.83992E-05	0.00079597	0.001955333	5.61378E-05
2053 Aug	0.001039251	0.139384836	1.04541E-05	1.481283069	4.221164227	0.052820865	0.000290517	14.86452103	0.001738798	0.010257811	0.000444871	0.000292167	0.000110161	0.112752408	2.10363E-06	9.17824E-05	0.000764343	0.001988503	8.78291E-05
2053 Sep	0.001160799	0.140102431	1.07769E-05	1.58282268	5.465154171	0.055167146	0.000386025	22.23994064	0.00205841	0.010502253	0.000466153	0.000351414	0.000134876	0.123218298	2.1773E-06	0.000114605	0.000777341	0.002060731	0.000150189
2053 Oct	0.001227565	0.13864477	1.08027E-05	1.621951222	6.191563129	0.055560298	0.00044752	26.6962738	0.002230844	0.010579124	0.000470332	0.000383277	0.000148145	0.128038093	2.18802E-06	0.000128462	0.00077377	0.00206891	0.000188434
2053 Nov	0.00122968	0.136232495	1.07431E-05	1.607305527	6.17238903	0.053778902	0.000464691	26.77760696	0.002216672	0.010595235	0.000453189	0.000375753	0.000146641	0.126726121	2.17625E-06	0.000129599	0.000749287	0.002028441	0.000189401
2053 Dec	0.001232474	0.136156812	1.0743E-05	1.608871222	6.203847885	0.053794336	0.000467308	26.97149277	0.002224069	0.010597206	0.000453364	0.000377139	0.000147215	0.126926929	2.17647E-06	0.000130193	0.000749101	0.002028655	0.000191069
2054 Jan	0.001233456	0.136228129	1.07427E-05	1.609916806	6.212356091	0.053852011	0.000467955	27.01422501	0.002226027	0.010599338	0.000453551	0.000377401	0.000147346	0.127046332	2.17647E-06	0.000130334	0.000749511	0.00202842	0.000191411
2054 Feb	0.001234194	0.136386111	1.07446E-05	1.611267328	6.21618557	0.053947248	0.000468055	27.02136993	0.002227067	0.01060338	0.000453952	0.000377482	0.000147398	0.127182096	2.17685E-06	0.000130372	0.000750417	0.002028667	0.000191428
2054 Mar	0.00123453	0.136470526	1.07455E-05	1.611945271	6.217567444	0.053996921	0.000468066	27.02118683	0.002227454	0.010605456	0.000454149	0.000377489	0.000147412	0.127249822	2.17703E-06	0.00013038	0.000750889	0.002028748	0.000191403
2054 Apr	0.001240513	0.13715899	1.07964E-05	1.619894147	6.247520924	0.054278646	0.000470267	27.1478138	0.002238123	0.010656388	0.000456392	0.000379263	0.000148112	0.127885461	2.18734E-06	0.000130996	0.000754681	0.00203831	0.000192286
2054 May	0.001263516	0.149770245	1.08174E-05	1.701177359	6.229832172	0.061725166	0.000449509	25.75851631	0.002236197	0.01086773	0.000523016	0.000371165	0.000149638	0.13618733	2.18931E-06	0.000127589	0.000829434	0.002039392	0.000177102
2054 Jun	0.000904792	0.134263188	9.55904E-06	1.358209252	3.416635513	0.05190872	0.000204724	10.29989815	0.001494348	0.009534434	0.000437076	0.000264005	9.29471E-05	0.103101954	1.91931E-06	7.46934E-05	0.000780621	0.001912535	5.14367E-05
2054 Jul	0.000826597	0.104910396	9.72811E-06	1.101519823	2.680505753	0.029621731	0.000201621	9.322406769	0.001311602	0.009108961	0.000248014	0.000229323	7.38254E-05	0.075470716	1.95304E-06	6.93631E-05	0.000514826	0.001799031	5.0918E-05
2054 Aug	0.000869105	0.097068623	9.88674E-06	1.131175041	2.908465147	0.02525669	0.000298249	11.13113594	0.001360756	0.009020937	0.000199993	0.000199372	7.8748E-05	0.07708621	1.98685E-06	7.6441E-05	0.000395865	0.001629189	6.51974E-05
2054 Sep	0.000903296	0.091760784	9.93067E-06	1.160032511	3.106038809	0.022467537	0.000385006	12.48836327	0.001397785	0.009097221	0.00016441	0.000179104	8.18496E-05	0.079290695	1.99715E-06	8.36574E-05	0.000328737	0.001512818	7.56664E-05
2054 Oct	0.000942374	0.091090195	9.8125E-06	1.161891937	3.174591303	0.020324148	0.000447335	12.855793	0.001386458	0.009505996	0.000140312	0.000161824	7.9144E-05	0.080140047	1.97386E-06	8.99747E-05	0.000304308	0.001419914	7.80334E-05
2054 Nov	0.000956596	0.090937264	9.78067E-06	1.163558722	3.201365709	0.019608803	0.000469073	12.99631786	0.001383934	0.009653941	0.000132195	0.000156086	7.82991E-05	0.080502748	1.96763E-06	9.22229E-05	0.000296211	0.001389408	7.89436E-05
2054 Dec	0.000963754	0.090976782	9.78609E-06	1.168993592	3.283328772	0.019805005	0.000474462	13.48181152	0.001404006	0.009660547	0.000134125	0.000160213	7.98805E-05	0.081144914	1.96932E-06	9.36615E-05	0.000297939	0.001393347	8.30931E-05
2055 Jan	0.000965235	0.091105029	9.78652E-06	1.170708299	3.297513247	0.01991168	0.000475238	13.5531683	0.001407435	0.009663585	0.000134736	0.000160828	8.01304E-05	0.081338525	1.96948E-06	9.38813E-05	0.000298943	0.001393842	8.36703E-05
2055 Feb	0.000965853	0.091279037	9.78699E-06	1.17205584	3.300857306	0.020022841	0.000475171	13.5554409	0.001408288	0.009666481	0.000135238	0.000160896	8.01706E-05	0.081480123	1.96958E-06	9.3895E-05	0.000300028	0.001394004	8.36444E-05
2055 Mar	0.000966631	0.091415964	9.79178E-06	1.173327088	3.304132938	0.020092424	0.000475351	13.56252384	0.001409385	0.009672528	0.000135572	0.000161004	8.02282E-05	0.081594348	1.97054E-06	9.39446E-05	0.000300755	0.001394734	8.36653E-05
2055 Apr	0.000970584	0.091826133	9.83005E-06	1.178313017	3.317999125	0.020205202	0.000477178	13.61579609	0.001415129	0.009711091	0.000136255	0.00016165	8.05523E-05	0.081955872	1.97824E-06	9.4314E-05	0.000302264	0.001400214	8.39809E-05
2055 May	0.000987845	0.093395308	9.99575E-06	1.198962927	3.38477993	0.020586766	0.00048582	13.90777588	0.001441616	0.009874834	0.000138898	0.000164928	8.21198E-05	0.08343266	2.01166E-06	9.60805E-05	0.000307732	0.001424322	8.59279E-05
2055 Jun	0.000679398	0.080877095	9.48891E-06	0.918509185	1.990311503	0.016696848	0.000194222	7.270815849	0.001144442	0.00869569	0.000117879	0.000230116	5.72358E-05	0.056159526	1.90356E-06	6.38534E-05	0.00044977	0.00188746	3.97347E-05
2055 Jul	0.000666554	0.083230965	9.8182E-06	0.901571214	1.685184598	0.015770296	0.000148957	5.554447174	0.001096496	0.008862502	0.000115194	0.00022762	5.22117E-05	0.052997336	1.96732E-06	5.81135E-05	0.000450556	0.00195665	2.53227E-05
2055 Aug	0.000738932	0.086845316	1.02509E-05	0.968517184	1.972508669	0.016185284	0.000195284	7.02747345	0.001183544	0.009212928	0.00011914	0.000222063	5.87125E-05	0.05823826	2.05538E-06	6.44087E-05	0.000417989	0.001923645	3.57869E-05
2055 Sep	0.000801548	0.084461525	1.0155E-05	1.030499101	2.345255852	0.015634349	0.000302241	9.0398283	0.001246402	0.009252721	0.000104183	0.000193389	6.52578E-05	0.064614385	2.03833E-06	7.36618E-05	0.000347745	0.001726931	5.05241E-05
2055 Oct	0.000845247	0.085562348	1.01809E-05	1.061271548	2.617936373	0.015944315	0.000345586	10.5120821	0.001304925	0.009472604	0.000105128	0.000195354	6.93645E-05	0.067983769	2.04522E-06	8.02839E-05	0.000342847	0.001694565	6.22485E-05
2055 Nov	0.000866603	0.085873842	1.01943E-05	1.077004552	2.81151247	0.016337264	0.000364045	11.62564182	0.001350377	0.009531097	0.000108516	0.000202368	7.28445E-05	0.069786057	2.04925E-06	8.40826E-05	0.000344419	0.001693107	7.15753E-05
2055 Dec	0.000874008	0.085890703	1.01945E-05	1.082427144	2.89610672	0.016533811	0.000369944	12.12620258	0.001370588	0.00953575	0.000110437	0.000206353	7.44522E-05	0.07045155	2.04992E-06	8.55735E-05	0.000345824	0.00169537	7.58542E-05
2056 Jan	0.000875194	0.086070001	1.01959E-05	1.084154367	2.903362036	0.01664477	0.000370438	12.15094948	0.001372341	0.009541254	0.000110958	0.000206493	7.456E-05	0.070632882	2.05021E-06	8.5679E-05	0.000346806	0.001695271	7.60122E-05
2056 Feb	0.000876098	0.086298473	1.01973E-05	1.085987091	2.90785861	0.016786087	0.000370453	12.15464401	0.001373512	0.009545951	0.000111601	0.000206555	7.46171E-05	0.07082171	2.05049E-06	8.57069E-05	0.00034815	0.001695433	7.59814E-05
2056 Mar	0.000877092	0.086472347	1.02039E-05	1.08760798	2.911975145	0.016872611	0.000370674	12.1636343	0.001374938	0.009553988	0.000112015	0.000206708	7.4691E-05	0.070965119	2.05181E-06	8.57712E-05	0.000349082	0.001696495	7.60083E-05
2056 Apr	0.000881379	0.086937457	1.02509E-05	1.093140364	2.926662445	0.016992871	0.000372374	12.22038364	0.001381582	0.00959911	0.000112724	0.000207672	7.50499E-05	0.071347222	2.06128E-06	8.61719E-05	0.000351088	0.001704302	7.63465E-05
2056 May	0.000976706	0.120718971	1.02421E-05	1.336809516	3.409399748	0.038758736	0.000338196	11.65377331	0.00150341	0.010081797	0.000309878	0.000217886	8.95858E-05	0.097277425	2.05757E-06	8.52927E-05	0.000573642	0.001744204	6.30333E-05
2056 Jun	0.000953737	0.156451851	9.523E-06	1.506174326	3.330785275	0.064641446	0.000184751	7.444782257	0.001464863	0.009896513	0.000549757	0.000230914	9.41561E-05	0.118334897	1.90757E-06	6.81653E-05	0.000884929	0.001831729	2.04656E-05
2056 Jul	0.000949726	0.142461628	1.00771E-05	1.409623504	3.223989248	0.052967407	0.000202045	8.629855156	0.001471954	0.010048721	0.000449313	0.000239978	9.02427E-05	0.106106773	2.02043E-06	7.20576E-05	0.000767709	0.001898303	3.45334E-05
2056 Aug	0.000981281	0.131757602	1.03244E-05	1.371402621	3.334545851	0.044851515	0.00026213	10.44354725	0.00149872	0.009993833	0.000378064	0.000222239	9.12724E-05	0.10100399	2.07232E-06	7.77444E-05	0.000627726	0.001782668	5.13487E-05
2056 Sep	0.001031986	0.128844664	1.05075E-05	1.397675991	3.679672956	0.042595893	0.000330763	12.72431755	0.001584015	0.010259905	0.000353176	0.000226554	9.66871E-05	0.103084631	2.11172E-06	8.75268E-05	0.00059237	0.001758684	7.04883E-05
2056 Oct	0.001061157	0.119112462	1.02285E-05	1.358317852	3.91380024	0.036497306	0.000420648	14.85466194	0.001600931	0.010341673	0.000292869	0.000214575	9.64483E-05	0.100347765	2.05874E-06	9.76974E-05	0.000512419	0.001621573	8.99162E-05
2056 Nov	0.001075948	0.117349282	1.01953E-05	1.357933164	4.049573898	0.035500854	0.000445018	15.7985239	0.001627119	0.010381641	0.000282898	0.000216625	9.81412E-05	0.100586407	2.05329E-06	0.000101363	0.000498568	0.001600444	9.81835E-05
2056 Dec	0.001080856	0.117318504	1.01979E-05	1.361387849	4.106516838	0.035604201	0.00044901	16.1405983	0.001640931	0.010385195	0.000283923	0.000219424	9.92261E-05	0.101003185	2.05423E-06	0.000102382	0.000499337	0.001602648	0.000101123
2057 Jan	0.001081415	0.11743287	1.01995E-05	1.362363219	4.108472824	0.035666354	0.000449179	16.14063644	0.001641459	0.010389253	0.000284104	0.000219392	9.92383E-05	0.101098873	2.05454E-06	0.000102407	0.000499914	0.001602628	0.000101088
2057 Feb	0.001082022	0.117594883	1.02005E-05	1.363653302	4.111428261	0.035766751	0.000449158	16.14188004	0.001642249	0.010392504	0.000284523	0.000219436	9.92719E-05	0.101230949	2.05475E-06	0.000102422	0.000500881	0.001602798	0.000101055
2057 Mar	0.001083603	0.117819168	1.02129E-05	1.365932703	4.117790222	0.035862882	0.000449665	16.16120148	0.001644577	0.010406281	0.000285081	0.000219713	9.94049E-05	0.101419978	2.05724E-06	0.000102548	0.000501988	0.001604743	0.000101153
2057 Apr	0.001089068	0.118443266	1.0263E-05	1.372984529	4.138757229	0.036068805	0.000451847	16.24025536	0.001652829	0.010457951	0.0002866	0.000220796	9.98993E-05	0.101954907	2.06732E-06	0.000103052	0.000504734	0.001612607	0.000101635
2057 May	0.001125	0.130215153	1.04071E-05	1.462397575	4.30180645	0.043240726	0.000440132	16.06389427	0.001705499	0.010717245	0.000350924	0.000227995	0.000105186	0.110786781	2.0955E-06	0.000103179	0.000583455	0.001659944	9.71796E-05
2057 Jun	0.000754255	0.108316593	9.50161E-06	1.111465812	2.303811312	0.033930257	0.000163362	6.365318775	0.001224292	0.009102819	0.000274249	0.000232586	6.74395E-05	0.076547526	1.90395E-06	6.19164E-05	0.000622409	0.001908257	2.5106E-05
2057 Jul	0.000756231	0.100579612	9.9785E-06	1.062642097	2.285559177	0.027142577	0.000171407	7.345442772	0.001252723	0.009292584	0.000215637	0.000247566	6.64121E-05	0.069596581	2.00089E-06	6.52914E-05	0.000565525	0.002000563	3.58983E-05
2057 Aug	0.000851955	0.107321277	1.07804E-05	1.166578412	2.786676645	0.029009892	0.000219498	9.932395935	0.001424215	0.009991828	0.000231182	0.000271792	7.78254E-05	0.077401593	2.16415E-06	7.62679E-05	0.000583188	0.002114143	5.57056E-05
2057 Sep	0.000933365	0.106140874	1.08576E-05	1.226483464	3.498373508	0.029196924	0.000306346	14.16601181	0.001589977	0.010146152	0.000230019	0.00028781	9.08973E-05	0.083834074	2.18469E-06	9.08146E-05	0.000557254	0.002064648	9.10544E-05
2057 Oct	0.001009009	0.103991948	1.06965E-05	1.263659358	4.210153103	0.029028334	0.000392655	18.47009659	0.001736588	0.010226564	0.000227249	0.00030256	0.000102495	0.089156717	2.15774E-06	0.000105533	0.000530983	0.001980908	0.000127616
2057 Nov	0.001026223	0.104025856	1.07088E-05	1.275595427	4.369789124	0.029232536	0.000408227	19.40990067	0.001774163	0.010266916	0.000228974	0.000308252	0.000105378	0.090522535	2.16136E-06	0.00010868	0.000530393	0.001978756	0.000135554
2057 Dec	0.001030516	0.104040258	1.07118E-05	1.278783917	4.416668415	0.029332038	0.000411652	19.68749619	0.001785526	0.010271833	0.000229936	0.000310433	0.000106272	0.09089686	2.16231E-06	0.000109522	0.00053104	0.001980204	0.000137927
2058 Jan	0.001032311	0.104123987	1.07107E-05	1.280527472	4.435741425	0.029429276	0.00041286	19.79150581	0.001789996	0.010272956	0.000230545	0.000311226	0.000106617	0.091105357	2.16221E-06	0.00010983	0.000531775	0.001980308	0.000138795
2058 Feb	0.001033093	0.104260407	1.07109E-05	1.281810403	4.441673756	0.029524669	0.000413061	19.8127079	0.00179143	0.010275116	0.000231003	0.000311406	0.00010671	0.091244526	2.16226E-06	0.000109898	0.000532632	0.001980365	0.00013894
2058 Mar	0.001033823	0.10437043	1.07146E-05	1.28291142	4.445824623	0.029585287	0.000413275	19.82745171	0.001792678	0.010279808	0.000231317	0.00031158	0.000106786	0.091347083	2.16302E-06	0.000109962	0.000533269	0.001981044	0.000139035
2058 Apr	0.001037085	0.104727112	1.07469E-05	1.28710258	4.459904194	0.029701196	0.000414513	19.88687515	0.001798241	0.010311433	0.000232127	0.000312515	0.000107114	0.091656767	2.16953E-06	0.000110294	0.000535118	0.001986972	0.00013944
2058 May	0.001145349	0.134202957	1.06119E-05	1.521835089	5.208728313	0.050051052	0.000407647	21.25785446	0.001973168	0.010604747	0.000417132	0.000330347	0.000126296	0.117441908	2.14311E-06	0.000114286	0.000727504	0.001986635	0.000143615
2058 Jun	0.000940938	0.14809674	9.27224E-06	1.454668164	3.605954647	0.061597209	0.000196099	9.877903938	0.001518226	0.009541128	0.000525109	0.000254603	9.82916E-05	0.114536047	1.86081E-06	7.31648E-05	0.000859663	0.001838782	4.42569E-05
2058 Jul	0.000906779	0.132093608	9.79159E-06	1.338136435	3.350435734	0.0491926	0.000201622	10.30669689	0.001493167	0.009649943	0.000414953	0.000266299	9.14474E-05	0.100097872	1.96588E-06	7.49137E-05	0.000755539	0.001946314	5.25921E-05
2058 Aug	0.000974221	0.129773393	1.02146E-05	1.370889544	3.737123728	0.046374992	0.000260442	12.98642921	0.00160387	0.00988852	0.000390635	0.000270555	9.90644E-05	0.101988636	2.05372E-06	8.42052E-05	0.000691441	0.001922068	7.51599E-05
2058 Sep	0.001015505	0.117322885	1.00729E-05	1.337900162	3.927377939	0.037958793	0.000382058	15.04442215	0.001611766	0.010010972	0.000306016	0.000239904	9.81137E-05	0.098886527	2.028E-06	9.5295E-05	0.000559154	0.001719237	9.34344E-05
2058 Oct	0.001064671	0.111102633	9.96569E-06	1.328477383	4.238351822	0.033462822	0.000469661	17.37545776	0.001659182	0.010222326	0.0002614	0.000231693	0.000100288	0.098642595	2.00948E-06	0.000106169	0.000492696	0.001606684	0.000113777
2058 Nov	0.001076452	0.110802926	9.98513E-06	1.334236503	4.328193665	0.03322465	0.000482586	17.93598175	0.001680066	0.010273121	0.000258848	0.000233953	0.000101702	0.099252209	2.01405E-06	0.000108354	0.000488462	0.001602339	0.000118533
2058 Dec	0.001078868	0.110783145	9.98686E-06	1.335853577	4.354392052	0.033259504	0.00048465	18.09384155	0.001686385	0.010276343	0.000259189	0.000235155	0.000102191	0.099444121	2.0146E-06	0.000108841	0.000488619	0.001603034	0.000119891
2059 Jan	0.001079916	0.110874474	9.98663E-06	1.337082744	4.364285469	0.033336658	0.000485227	18.1429882	0.001688725	0.010278073	0.000259558	0.000235536	0.000102358	0.099584348	2.01461E-06	0.000108992	0.000489271	0.001603112	0.000120288
2059 Feb	0.001080449	0.111025997	9.98723E-06	1.338262081	4.366902828	0.033432037	0.000485174	18.14317894	0.001689402	0.010280675	0.000259959	0.000235566	0.000102386	0.099706784	2.01472E-06	0.000109	0.000490176	0.001603196	0.000120249
2059 Mar	0.001080738	0.111108623	9.98755E-06	1.338903308	4.368302822	0.033483993	0.000485143	18.14312172	0.001689765	0.010282092	0.000260177	0.00023558	0.0001024	0.099773347	2.01478E-06	0.000109003	0.000490669	0.00160324	0.000120226
2059 Apr	0.001084781	0.111554511	1.00236E-05	1.344074011	4.384776592	0.033633828	0.000486866	18.2081871	0.001696035	0.010319794	0.000261235	0.000236434	0.000102776	0.100169376	2.02205E-06	0.000109397	0.000492711	0.001609017	0.000120644
2059 May	0.001140631	0.133630902	1.00988E-05	1.503114581	4.689635754	0.04799981	0.000452897	17.82179642	0.001783051	0.010603777	0.000392006	0.000249019	0.000112846	0.116728224	2.03585E-06	0.000108004	0.000644374	0.001670456	0.000112008
2059 Jun	0.001089781	0.170226842	9.82173E-06	1.672681928	4.291118145	0.073316604	0.000256669	11.80583668	0.001708233	0.010454726	0.000626918	0.000260418	0.000114112	0.135364681	1.97205E-06	8.41129E-05	0.000956024	0.001852664	5.36898E-05
2059 Jul	0.001125885	0.16930376	1.05808E-05	1.690494418	4.437269211	0.070181377	0.000273018	13.12638187	0.001797803	0.010995517	0.000598348	0.000286467	0.000117494	0.134195253	2.12557E-06	9.03391E-05	0.000949754	0.002017241	6.55395E-05
2059 Aug	0.001197998	0.17338337	1.118E-05	1.763912082	4.818504333	0.070983902	0.000312979	15.19129658	0.001926598	0.011496345	0.000604685	0.00030332	0.000126058	0.139574438	2.24771E-06	9.88746E-05	0.000952911	0.002092173	8.16747E-05
2059 Sep	0.001203047	0.159985259	1.10815E-05	1.699594736	4.845878601	0.06228305	0.000387038	16.51979637	0.001909545	0.01143827	0.000521609	0.000283975	0.000123125	0.133057028	2.22993E-06	0.000105176	0.00083521	0.00196446	9.5042E-05
2059 Oct	0.001116123	0.121478111	1.0105E-05	1.403942108	4.012313366	0.036351275	0.000513733	14.8769598	0.001592486	0.010973056	0.000278868	0.000187975	9.40844E-05	0.105402522	2.03361E-06	0.000105944	0.000510903	0.001507357	8.79242E-05
2059 Nov	0.001125	0.117750481	1.00486E-05	1.387593746	4.101868629	0.034028202	0.000540172	15.74034214	0.001604564	0.010973122	0.000257117	0.000186645	9.44809E-05	0.104036175	2.02348E-06	0.000109313	0.000480555	0.001471464	9.5986E-05

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.001128577	0.117696159	1.00491E-05	1.389954686	4.145470142	0.034097701	0.000543115	16.00523949	0.001615068	0.010973269	0.000257841	0.00018882	9.5312E-05	0.104332864	2.02391E-06	0.000110082	0.000481001	0.001473013	9.8284E-05
2060 Jan	0.001129089	0.117808118	1.00506E-05	1.390892148	4.14756012	0.034161508	0.0005432	16.00655365	0.001615648	0.010976539	0.000258048	0.000188824	9.53308E-05	0.10442552	2.0242E-06	0.000110102	0.000481593	0.001473091	9.82626E-05
2060 Feb	0.001129751	0.117978767	1.00523E-05	1.392268419	4.150834084	0.034266058	0.00054317	16.00914955	0.001616566	0.010980175	0.000258501	0.000188997	9.53732E-05	0.104564205	2.02455E-06	0.000110121	0.000482611	0.001473408	9.82389E-05
2060 Mar	0.001130701	0.118133083	1.00585E-05	1.393743753	4.154782772	0.034340702	0.000543438	16.01893806	0.001617911	0.010987894	0.000258883	0.000189035	9.54462E-05	0.104694165	2.02579E-06	0.000110188	0.000483415	0.00147435	9.82775E-05
2060 Apr	0.001136623	0.118778788	1.01096E-05	1.401196361	4.177114487	0.034546167	0.000546188	16.10294914	0.001626434	0.011044243	0.000260333	0.000190031	9.59477E-05	0.105265975	2.03609E-06	0.000110755	0.000486164	0.001481882	9.87876E-05
2060 May	0.001212333	0.164774865	1.00083E-05	1.712023973	4.784533024	0.066788152	0.000424467	15.11773872	0.001797342	0.011156689	0.000558646	0.000228836	0.000118227	0.138835669	2.01317E-06	0.000102778	0.000830513	0.001636872	8.03162E-05
2060 Jun	0.001030467	0.169135243	9.5316E-06	1.624916792	3.847575665	0.07305444	0.000211729	9.193026543	0.001585888	0.010171765	0.000625314	0.000241737	0.000105478	0.131191328	1.91089E-06	7.47073E-05	0.000958294	0.00181798	3.19509E-05
2060 Jul	0.001047023	0.164903596	1.03018E-05	1.610590339	3.832730055	0.067487076	0.000222051	9.908145905	0.001637446	0.010667698	0.000574766	0.000262655	0.000105264	0.126464128	2.066E-06	7.90377E-05	0.000929816	0.001981928	3.95072E-05
2060 Aug	0.001043685	0.147380739	1.04411E-05	1.539814711	3.799293995	0.056390624	0.000295377	11.3139677	0.001624381	0.010395329	0.000470703	0.000235958	0.000103369	0.117815346	2.09593E-06	8.34666E-05	0.000756769	0.00183913	5.39143E-05
2060 Sep	0.0009715	0.10497541	9.86485E-06	1.307502985	3.363842964	0.031164905	0.00045194	12.2309103	0.0014436	0.009561028	0.000228905	0.000155609	8.75635E-05	0.094368473	1.98272E-06	8.84314E-05	0.000398055	0.001417107	6.81841E-05
2060 Oct	0.001032574	0.100376666	9.75377E-06	1.292094111	3.778502226	0.027042249	0.000532804	15.17155075	0.001515684	0.009927617	0.000191045	0.000162471	9.05318E-05	0.094084352	1.96424E-06	0.000101643	0.00035698	0.001351858	9.43481E-05
2060 Nov	0.00104659	0.099023111	9.7191E-06	1.284807444	3.855270386	0.025737755	0.000553548	15.76645088	0.001525928	0.010031699	0.00017898	0.000162222	9.05478E-05	0.093665615	1.95807E-06	0.000104723	0.000344088	0.001330709	9.97134E-05
2060 Dec	0.001054434	0.099024445	9.72292E-06	1.290514827	3.948196888	0.025946043	0.000559473	16.32125664	0.001548568	0.010035719	0.00018108	0.00016697	9.23378E-05	0.094358511	1.95952E-06	0.000106341	0.0003459	0.001335064	0.000104511
2061 Jan	0.001056646	0.099149734	9.72307E-06	1.292743683	3.972163916	0.026077947	0.000560744	16.45145988	0.001554364	0.010037888	0.000181921	0.00016812	9.27755E-05	0.094619744	1.9597E-06	0.00010672	0.00034713	0.001336059	0.000105605
2061 Feb	0.0010575	0.099336527	9.72356E-06	1.294325948	3.978362799	0.026204539	0.000560786	16.46961021	0.001555919	0.01004071	0.000182521	0.000168342	9.28689E-05	0.094789498	1.95982E-06	0.000106776	0.000348364	0.0013364	0.000105715
2061 Mar	0.001058226	0.099469505	9.72691E-06	1.29554081	3.982071877	0.026279263	0.000560932	16.47921181	0.001557033	0.010045447	0.000182881	0.000168469	9.29311E-05	0.094904907	1.96049E-06	0.000106824	0.000349124	0.001336966	0.00010576
2061 Apr	0.001063579	0.100013167	9.77451E-06	1.302298188	4.002476215	0.026444569	0.000563625	16.55955887	0.001564882	0.01009536	0.000183937	0.00016931	9.33949E-05	0.095413797	1.97009E-06	0.000107347	0.000351192	0.00134355	0.00010626
2061 May	0.001162468	0.14770098	9.82904E-06	1.617553115	4.646500587	0.057996206	0.000453245	15.77035522	0.001750115	0.010567137	0.000476345	0.000213385	0.000114848	0.129101962	1.97856E-06	0.000102417	0.000706144	0.001535696	8.93238E-05
2061 Jun	0.000979841	0.155670375	9.30398E-06	1.522529483	3.760146856	0.066071756	0.000210913	9.978620529	0.001552738	0.009728497	0.000563995	0.000248201	0.000102116	0.121499904	1.86688E-06	7.47273E-05	0.000890834	0.001804995	4.27135E-05
2061 Jul	0.000997443	0.147793442	1.00723E-05	1.480376005	3.743567705	0.057814036	0.000228073	11.11505413	0.001599551	0.010152429	0.000491796	0.000265722	0.000101141	0.114003249	2.02228E-06	7.98255E-05	0.000822475	0.001936718	5.48435E-05
2061 Aug	0.001075305	0.151649654	1.0675E-05	1.55241847	4.170456886	0.058385674	0.000270416	13.50593472	0.001738473	0.010650743	0.000497225	0.000284149	0.000110443	0.119343773	2.14553E-06	8.91793E-05	0.000820305	0.002006976	7.39572E-05
2061 Sep	0.001115585	0.143289194	1.06707E-05	1.548287392	4.590308189	0.053963389	0.000350762	16.68225479	0.00182795	0.010633836	0.000453547	0.000287938	0.000116823	0.119083688	2.1487E-06	0.000100208	0.000747923	0.001932197	0.000102188
2061 Oct	0.001102306	0.117570415	9.97644E-06	1.379171252	4.317074776	0.036454342	0.000491344	17.15560722	0.001670044	0.01053389	0.000286186	0.000221509	0.000101208	0.103949331	2.01096E-06	0.0001082	0.000517587	0.001567514	0.000110066
2061 Nov	0.001106793	0.111404538	9.84165E-06	1.3436197O4	4.302734375	0.032154966	0.000532316	17.57903862	0.001645596	0.010554762	0.000244864	0.000207188	9.83313E-05	0.10075476	1.98464E-06	0.000111396	0.000460798	0.001481603	0.00011455
2061 Dec	0.001112148	0.111368231	9.84397E-06	1.347394228	4.366217136	0.032275822	0.000536583	17.96084595	0.001660999	0.010556925	0.000246083	0.000210351	9.95488E-05	0.101214491	1.98557E-06	0.000112514	0.000461686	0.001484127	0.000117859
2062 Jan	0.001115381	0.11147552	9.84435E-06	1.350373626	4.403169632	0.032431897	0.000538705	18.16976166	0.001669951	0.010558347	0.000247171	0.000212145	0.000100242	0.101567365	1.9859E-06	0.000113115	0.000463036	0.001485579	0.00011964
2062 Feb	0.001116618	0.111663789	9.84594E-06	1.352278233	4.413323402	0.032565549	0.00053905	18.21144867	0.001672529	0.010561945	0.000247843	0.000212559	0.000100415	0.101769976	1.98626E-06	0.000113244	0.000464309	0.001486169	0.00011995
2062 Mar	0.001118599	0.111917265	9.86004E-06	1.354991317	4.422339916	0.032676291	0.000539817	18.2439785	0.001675588	0.010578174	0.000248482	0.000212943	0.000100597	0.101999342	1.98911E-06	0.000113425	0.000465578	0.001488377	0.000120153
2062 Apr	0.001124548	0.112549938	9.91103E-06	1.362403274	4.446052551	0.032880321	0.000542564	18.33780861	0.001684464	0.010633538	0.000249913	0.000214053	0.000101125	0.102569669	1.9994E-06	0.00011401	0.000468318	0.001496088	0.000120756
2062 May	0.001141603	0.114209764	1.00552E-05	1.382869005	4.519055367	0.033394337	0.000550897	18.65185165	0.001710991	0.010788236	0.000253836	0.000217588	0.000102757	0.104139231	2.02854E-06	0.000115801	0.000475454	0.00151824	0.000122917
2062 Jun	0.000756297	0.088795453	9.60236E-06	1.004264235	2.404574633	0.020781856	0.00024312	8.928171158	0.001240936	0.009132342	0.000152513	0.000233714	6.47311E-05	0.065046936	1.92781E-06	7.21002E-05	0.00048144	0.001861883	5.16157E-05
2062 Jul	0.000689796	0.08432059	9.81148E-06	0.919767618	1.882070899	0.01663027	0.000163519	6.626129627	0.001140952	0.008895141	0.000123933	0.000233336	5.59086E-05	0.055192251	1.96719E-06	6.1419E-05	0.000452623	0.001945385	3.4455E-05
2062 Aug	0.000784849	0.082521453	9.91408E-06	1.006006479	2.353855371	0.015720403	0.000281619	9.278223038	0.001233946	0.008828384	0.000110545	0.000190219	6.61733E-05	0.063225858	1.99047E-06	7.08378E-05	0.000324417	0.001667008	5.38578E-05
2062 Sep	0.000875286	0.082435831	9.76342E-06	1.071025968	2.812238216	0.015128103	0.000411052	11.62984753	0.001304557	0.009251704	9.46409E-05	0.000164656	7.14449E-05	0.070632771	1.96283E-06	8.45486E-05	0.000275662	0.00147297	7.13816E-05
2062 Oct	0.00098809	0.085929044	9.42404E-06	1.116427898	3.022605181	0.013202948	0.000564303	12.20642757	0.001281031	0.010259843	6.55818E-05	0.00011268	6.6605E-05	0.077114463	1.89513E-06	9.89934E-05	0.000232079	0.001199814	7.26981E-05
2062 Nov	0.00100592	0.086760059	9.48544E-06	1.131067157	3.118159533	0.013375836	0.000579245	12.70074463	0.001305363	0.010385088	6.63668E-05	0.000114532	6.81382E-05	0.078474931	1.90796E-06	0.00010147	0.00023331	0.001200357	7.65645E-05
2062 Dec	0.001012524	0.086778343	9.48887E-06	1.136099935	3.197464943	0.013573033	0.000584133	13.17220783	0.00132476	0.010387182	6.83355E-05	0.000118616	6.96831E-05	0.079080962	1.90922E-06	0.000102829	0.000235027	0.001204268	8.06484E-05
2063 Jan	0.001015182	0.086904272	9.48988E-06	1.13875258	3.227370024	0.013722612	0.000585709	13.33778763	0.001332085	0.010388967	6.94016E-05	0.0001201	7.02508E-05	0.079388872	1.90962E-06	0.000103303	0.000236408	0.001205746	8.20525E-05
2063 Feb	0.001016205	0.087082952	9.49156E-06	1.140449286	3.235322475	0.01384537	0.000585903	13.36748409	0.001334147	0.010392378	7.00365E-05	0.000120427	7.03872E-05	0.079566985	1.90999E-06	0.000103395	0.000237606	0.001206342	8.2263E-05
2063 Mar	0.001016829	0.087202929	9.49487E-06	1.141520858	3.238053083	0.013909775	0.000586015	13.37256813	0.00133502	0.010396949	7.03392E-05	0.000120509	7.04321E-05	0.079666451	1.91065E-06	0.000103431	0.000238267	0.001206858	8.22725E-05
2063 Apr	0.00101985	0.087499991	9.52165E-06	1.145123959	3.248090506	0.013982981	0.000587615	13.41047001	0.001339016	0.010426809	7.06962E-05	0.000120872	7.06422E-05	0.079931989	1.91604E-06	0.000103722	0.000239269	0.001210316	8.24932E-05
2063 May	0.001079296	0.118195511	9.66318E-06	1.357558012	3.63869977	0.034514748	0.000512654	12.74734688	0.001462993	0.010692674	0.0002598	0.000149069	8.51523E-05	0.10193105	1.94257E-06	9.9546E-05	0.000465874	0.001349723	6.99858E-05
2063 Jun	0.000777764	0.119535342	9.19169E-06	1.187994361	2.466601849	0.042303234	0.000152078	6.042258739	0.001242301	0.009032531	0.000350378	0.000226431	7.20665E-05	0.085980728	1.8411E-06	6.02361E-05	0.000692926	0.00184614	1.94834E-05
2063 Jul	0.000731048	0.100941703	9.5878E-06	1.047258377	2.174932241	0.028701227	0.000154564	6.49109602	0.0011998	0.008987654	0.000230622	0.000235636	6.41137E-05	0.069560513	1.92164E-06	6.11779E-05	0.000571655	0.001927439	2.87981E-05
2063 Aug	0.000814438	0.104605079	1.01733E-05	1.126381874	2.62130022	0.029269319	0.000207072	8.961860657	0.001339739	0.009461402	0.000235112	0.000248111	7.39021E-05	0.075608052	2.04151E-06	7.0905E-05	0.000557953	0.001965858	4.82713E-05
2063 Sep	0.000888254	0.09826871	1.01699E-05	1.176621556	3.214399815	0.026692539	0.000328354	12.75300884	0.001463393	0.009444453	0.000203647	0.000235911	8.46208E-05	0.080671735	2.04528E-06	8.46768E-05	0.000466346	0.001798184	7.97592E-05
2063 Oct	0.00095736	0.095321998	9.9298E-06	1.189999461	3.617144108	0.024202915	0.000427546	15.24714661	0.001518284	0.009716687	0.000177214	0.000222024	8.79952E-05	0.083532982	2.00021E-06	9.68364E-05	0.000411919	0.001637332	0.000100573
2063 Nov	0.000977686	0.095164485	9.92559E-06	1.200774908	3.772050858	0.024092596	0.000449186	16.16525269	0.001551306	0.009789387	0.000175681	0.000224753	9.03747E-05	0.084847197	2.00046E-06	0.000100405	0.000406471	0.001621332	0.000108317
2063 Dec	0.000983276	0.095213361	9.93221E-06	1.205076814	3.832506657	0.024232117	0.000453431	16.52180099	0.001566205	0.009797619	0.000177031	0.000227693	9.15384E-05	0.085338861	2.00222E-06	0.000101488	0.000407605	0.001624111	0.000111387
2064 Jan	0.000987093	0.095326453	9.93236E-06	1.208476901	3.87587285	0.024404954	0.000456009	16.76819992	0.001576661	0.009799541	0.000178328	0.000229774	9.23558E-05	0.085744657	2.00254E-06	0.000102203	0.000409074	0.001625648	0.000113493
2064 Feb	0.00098867	0.095510773	9.93456E-06	1.210596442	3.889612913	0.02454106	0.000456636	16.8318367	0.00158013	0.009803845	0.00017908	0.000230365	9.26014E-05	0.085971408	2.00306E-06	0.0001024	0.000410363	0.001626424	0.000113995
2064 Mar	0.00099075	0.095758803	9.95106E-06	1.213390827	3.899299622	0.024643507	0.000457456	16.86981773	0.001583537	0.009821392	0.000179671	0.000230846	9.28041E-05	0.086199239	2.00639E-06	0.000102601	0.000411618	0.001629185	0.000114248
2064 Apr	0.000993951	0.09610045	9.98138E-06	1.217478037	3.912205458	0.024751058	0.000458838	16.92218971	0.00158861	0.009852029	0.000180363	0.000231565	9.30991E-05	0.086503521	2.0125E-06	0.000102918	0.000413175	0.001634146	0.000114591
2064 May	0.001087521	0.131716385	9.96101E-06	1.471171141	4.445829868	0.048203047	0.000409355	16.50472832	0.001726524	0.01025493	0.000394544	0.000248951	0.000109554	0.113637343	2.00669E-06	0.000101227	0.000654855	0.001696625	0.000102337
2064 Jun	0.000989094	0.160712928	9.42155E-06	1.554307461	3.726819038	0.068608478	0.000199242	9.326994896	0.001554208	0.009883332	0.000586755	0.000247607	0.000102373	0.124269806	1.88939E-06	7.329E-05	0.000921662	0.0018329	3.60097E-05
2064 Jul	0.000975908	0.143733799	9.93138E-06	1.431144357	3.542034149	0.054867629	0.000217096	10.36068439	0.001536979	0.009947848	0.000468831	0.000250323	9.63909E-05	0.109421752	1.99328E-06	7.63362E-05	0.000775395	0.001869453	4.96572E-05
2064 Aug	0.001000013	0.129777059	1.01073E-05	1.363552332	3.616355419	0.044657327	0.000277786	12.31108093	0.001547695	0.009779759	0.00038075	0.000229061	9.60305E-05	0.101636529	2.03117E-06	8.17679E-05	0.000606126	0.001723619	6.87753E-05
2064 Sep	0.00102618	0.106232181	9.83079E-06	1.301674485	3.973121643	0.031790625	0.000451828	16.13148499	0.001586711	0.009606796	0.000248107	0.000200296	9.77414E-05	0.095641032	1.98083E-06	9.81583E-05	0.000416056	0.001476595	0.000104067
2064 Oct	0.001106248	0.104004554	9.84973E-06	1.337493062	4.716566563	0.030900646	0.00053712	20.74433899	0.001755868	0.00987603	0.000238581	0.00022801	0.00010966	0.100210667	1.99027E-06	0.000114717	0.00040399	0.001465793	0.000144133
2064 Nov	0.001131099	0.104345694	9.89047E-06	1.357703567	4.988834381	0.031610973	0.000554848	22.34394646	0.001824217	0.009913494	0.000245469	0.000241965	0.000115002	0.102465041	2.00036E-06	0.000119508	0.000410583	0.001482797	0.000157927
2064 Dec	0.00113452	0.104360349	9.89412E-06	1.360260963	5.026916981	0.031692721	0.000557474	22.57014084	0.001833589	0.009917981	0.000246268	0.000243866	0.000115733	0.102761693	2.00137E-06	0.00012019	0.000411302	0.001484682	0.000159885
2065 Jan	0.001137045	0.104423441	9.89416E-06	1.362456918	5.056416035	0.031803705	0.000559195	22.73925972	0.001840717	0.009918933	0.000247108	0.000245329	0.000116289	0.103026226	2.00158E-06	0.000120678	0.000412297	0.001485903	0.00016134
2065 Feb	0.001138293	0.104546875	9.89644E-06	1.364020824	5.067626953	0.031896811	0.000559754	22.7941494	0.001843583	0.009922449	0.000247648	0.000245845	0.000116494	0.103192039	2.0021E-06	0.000120849	0.000413202	0.001486674	0.000161783
2065 Mar	0.001140596	0.104795299	9.91474E-06	1.366973162	5.078197479	0.031992093	0.00056077	22.83780098	0.001847286	0.009941576	0.000248264	0.000246328	0.000116724	0.1034289	2.0058E-06	0.000121078	0.000414317	0.00148946	0.000162081
2065 Apr	0.001146829	0.105391115	9.96811E-06	1.37456286	5.105948448	0.032184441	0.000563762	22.95996284	0.001857334	0.009995553	0.000249684	0.000247655	0.000117355	0.104010098	2.01659E-06	0.000121728	0.000416744	0.001497488	0.000162938
2065 May	0.001234994	0.147517577	9.98423E-06	1.659589648	5.617958546	0.059925947	0.000480997	21.81429672	0.002001601	0.010486011	0.000502974	0.000276844	0.000134706	0.134335622	2.01706E-06	0.000117452	0.000726892	0.001638976	0.000143442
2065 Jun	0.000940647	0.144253686	9.44127E-06	1.434465289	3.542502642	0.058284588	0.00021004	9.93762207	0.001511543	0.009640392	0.000493998	0.000251879	9.64412E-05	0.111579612	1.89471E-06	7.43338E-05	0.000825644	0.001847251	4.58797E-05
2065 Jul	0.000952992	0.135965094	1.02173E-05	1.393443584	3.573375463	0.0503131	0.000225992	11.37218857	0.00157455	0.010065885	0.000423008	0.000278897	9.65209E-05	0.10418161	2.05204E-06	8.03318E-05	0.000773595	0.002018111	6.09628E-05
2065 Aug	0.001022879	0.134182692	1.06755E-05	1.445034266	4.023004532	0.04841204	0.000293649	14.28417969	0.001705323	0.010336117	0.000403681	0.000287046	0.000105877	0.10773246	2.1471E-06	9.08137E-05	0.000723675	0.002013292	8.53132E-05
2065 Sep	0.001038157	0.111123756	1.00628E-05	1.330207705	4.010650158	0.03366534	0.000451981	15.95292568	0.001616628	0.01015431	0.000260209	0.000222979	9.74342E-05	0.09783005	2.02692E-06	0.000101418	0.000495133	0.001625415	0.000102125
2065 Oct	0.001062483	0.094903916	9.5302E-06	1.219102383	3.771740437	0.020318484	0.000589161	15.80436897	0.001473605	0.01046033	0.000131119	0.000154155	8.26662E-05	0.088275276	1.92041E-06	0.000109713	0.000313679	0.001281169	0.000102299
2065 Nov	0.001075956	0.094022736	9.54919E-06	1.219827771	3.819319248	0.019286668	0.000609156	16.16339684	0.001481099	0.010564753	0.000120716	0.000150936	8.26919E-05	0.088312358	1.92463E-06	0.000112035	0.000299416	0.001259585	0.000105319
2065 Dec	0.001078681	0.094031587	9.55177E-06	1.221874356	3.850288153	0.019355278	0.000611226	16.34757996	0.001488711	0.01056739	0.000121394	0.000152487	8.32901E-05	0.088551767	1.92537E-06	0.000112582	0.000299984	0.00126107	0.000106918
2066 Jan	0.001082926	0.094160914	9.55286E-06	1.22574842	3.900026321	0.0195584	0.000613958	16.63095093	0.001500849	0.010568644	0.000122957	0.000154995	8.42423E-05	0.089010797	1.92593E-06	0.000113387	0.000301814	0.00126344	0.000109354
2066 Feb	0.001084527	0.094394989	9.5586E-06	1.228137136	3.910806894	0.019702075	0.000614449	16.6731205	0.001503836	0.010576653	0.000123706	0.00015544	8.44347E-05	0.089245901	1.92712E-06	0.000113542	0.000303254	0.00126462	0.000109655
2066 Mar	0.001087883	0.094760425	9.5857E-06	1.232345462	3.923480034	0.01982262	0.000616081	16.71986961	0.001508504	0.010607647	0.00012435	0.000155915	8.46925E-05	0.089576088	1.93258E-06	0.000113861	0.000304739	0.001268294	0.000109936
2066 Apr	0.001092063	0.095166385	9.62111E-06	1.237313271	3.938881159	0.019932788	0.000618294	16.78134727	0.001514309	0.010647413	0.000124977	0.00015651	8.5016E-05	0.089951091	1.93972E-06	0.00011428	0.000306222	0.00127303	0.000110326
2066 May	0.00111521	0.102593981	9.76092E-06	1.294253111	4.046271801	0.024365174	0.000608467	16.72786903	0.001552921	0.010820887	0.000165099	0.000163214	8.86532E-05	0.095384486	1.96736E-06	0.000114376	0.000356024	0.001315646	0.00010805
2066 Jun	0.000740569	0.100899041	9.4354E-06	1.062474847	2.297200203	0.029508546	0.000181099	7.038675785	0.00121586	0.00901247	0.000233563	0.00023446	6.56736E-05	0.071745455	1.89173E-06	6.41625E-05	0.000580307	0.001895585	3.31472E-05
2066 Jul	0.000792141	0.097832538	1.0281E-05	1.068252325	2.570415497	0.024626013	0.000202739	9.474043846	0.001339191	0.009504354	0.000193882	0.000265764	7.14319E-05	0.069290034	2.064E-06	7.26603E-05	0.000542033	0.002050659	5.55278E-05
2066 Aug	0.000884162	0.100704178	1.07657E-05	1.148464918	3.122771502	0.025207469	0.000265868	12.61190224	0.001495012	0.009873016	0.000199519	0.00027667	8.31227E-05	0.075993955	2.16449E-06	8.38197E-05	0.000514238	0.002046903	8.08827E-05
2066 Sep	0.000953375	0.097810045	1.05972E-05	1.187155843	3.569875002	0.023716182	0.000371471	15.24767494	0.001568669	0.010026133	0.000179345	0.000259754	8.91827E-05	0.080811687	2.13379E-06	9.55795E-05	0.000454015	0.001876058	0.000102276
2066 Oct	0.001032836	0.094193324	1.01575E-05	1.208365202	4.046321869	0.021405868	0.00049814	18.06671333	0.001620768	0.010242527	0.00015193	0.000234258	9.31331E-05	0.085247606	2.04909E-06	0.000109556	0.000384223	0.001632786	0.000125409

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.001049216	0.093471296	1.00691E-05	1.21260798	4.133234501	0.020869823	0.000524783	18.57649994	0.001628536	0.010296627	0.000145593	0.000227912	9.36804E-05	0.086121544	2.03197E-06	0.000112337	0.000368937	0.001580338	0.000129521
2066 Dec	0.001054338	0.093526483	1.00759E-05	1.216639519	4.188145161	0.021001272	0.000528645	18.89934921	0.001642133	0.010304733	0.000146853	0.000230583	9.47418E-05	0.086576648	2.03373E-06	0.00011332	0.000370018	0.001582994	0.000132309
2067 Jan	0.001057041	0.093661577	1.00771E-05	1.219348431	4.216935158	0.021148123	0.000530318	19.05698395	0.001649144	0.01030773	0.00014785	0.000231924	9.52803E-05	0.086887605	2.03415E-06	0.000113785	0.000371306	0.001584101	0.000133644
2067 Feb	0.001058407	0.093879871	1.00819E-05	1.221480846	4.225663185	0.021280875	0.000530688	19.08819008	0.001651569	0.010314805	0.000148522	0.00023226	9.54321E-05	0.087097742	2.03514E-06	0.000113905	0.000372627	0.001585039	0.000133855
2067 Mar	0.001060161	0.094104335	1.00958E-05	1.223879933	4.232956886	0.021371707	0.000531352	19.11345482	0.001654207	0.010330249	0.000149	0.00023259	9.55789E-05	0.08729358	2.03794E-06	0.00011406	0.000373718	0.001587223	0.000134004
2067 Apr	0.001063519	0.094441816	1.01261E-05	1.227971435	4.246533394	0.021471161	0.000532912	19.17036819	0.001659391	0.010362031	0.000149605	0.000233295	9.58752E-05	0.087599553	2.04407E-06	0.000114403	0.000375173	0.001591998	0.000134388
2067 May	0.001138484	0.135353178	1.0146E-05	1.504392982	4.56002903	0.048165374	0.000447381	16.90958405	0.001753381	0.010749932	0.000392721	0.000242962	0.000109951	0.11657311	2.04388E-06	0.000106416	0.000653865	0.001678083	0.000104822
2067 Jun	0.001007789	0.15873985	9.60277E-06	1.553746581	3.775930882	0.066303834	0.000224901	9.868439674	0.001572798	0.010080383	0.000564449	0.000246606	0.000102494	0.123451315	1.92628E-06	7.66265E-05	0.000895834	0.001834615	4.0928E-05
2067 Jul	0.001048724	0.152988493	1.03514E-05	1.541891456	4.022343159	0.060163096	0.000254084	12.33320808	0.001682514	0.01051265	0.000511667	0.000276281	0.000107015	0.119484082	2.07925E-06	8.54828E-05	0.000847602	0.001975911	6.41615E-05
2067 Aug	0.001085866	0.139393598	1.05593E-05	1.468251228	4.197851181	0.049711596	0.000309162	15.00371742	0.001718592	0.010353545	0.000426233	0.00026285	0.000108344	0.111362189	2.12446E-06	9.23E-05	0.000673941	0.001839038	9.00687E-05
2067 Sep	0.001104188	0.127735555	1.04748E-05	1.440051556	4.390256882	0.043061718	0.000399366	17.01272583	0.001744324	0.010319827	0.000358004	0.000249054	0.000109424	0.108445689	2.11015E-06	0.000101092	0.000576758	0.001720878	0.000108578
2067 Oct	0.00109428	0.109059915	9.91446E-06	1.317482829	4.12501955	0.029952316	0.000518736	16.85292053	0.001605851	0.010429321	0.000228251	0.000194775	9.53625E-05	0.097562253	1.99822E-06	0.000107884	0.000418873	0.001448434	0.000109636
2067 Nov	0.00110802	0.1063504	9.8695E-06	1.310268283	4.223287106	0.028126579	0.000549497	17.64816284	0.001619973	0.010499671	0.000209897	0.000192748	9.58101E-05	0.097078867	1.99023E-06	0.000111704	0.00039613	0.001414307	0.000116826
2067 Dec	0.001113322	0.106392309	9.87803E-06	1.314372182	4.280060768	0.02824853	0.000553533	17.98405266	0.001634137	0.010509032	0.000211066	0.000195566	9.69059E-05	0.097536623	1.99234E-06	0.000112733	0.000397198	0.001417433	0.000119735
2068 Jan	0.001117088	0.10653054	9.87998E-06	1.317912817	4.322094917	0.028429853	0.000555965	18.22055817	0.001644426	0.01051225	0.000212353	0.000197628	9.76993E-05	0.097947098	1.99301E-06	0.000113422	0.000398837	0.001419395	0.000121761
2068 Feb	0.001118513	0.106761105	9.88377E-06	1.320165396	4.332131386	0.028578728	0.00055633	18.25795937	0.001647114	0.01051846	0.000213099	0.000198026	9.78714E-05	0.098175779	1.99381E-06	0.000113553	0.000400303	0.001420286	0.000122023
2068 Mar	0.001121612	0.107131191	9.90842E-06	1.324235559	4.344560623	0.028717799	0.000557628	18.3025074	0.00165163	0.010545965	0.000213919	0.000198543	9.81315E-05	0.098503023	1.99877E-06	0.000113834	0.000401953	0.001423882	0.000122292
2068 Apr	0.001132986	0.10825929	1.00074E-05	1.337895989	4.388857841	0.029042646	0.000563145	18.48471642	0.001668352	0.010651989	0.000216217	0.000200538	9.91204E-05	0.099532925	2.01873E-06	0.000114969	0.000406334	0.001438131	0.000123493
2068 May	0.001178931	0.137304023	1.00472E-05	1.532513618	4.641051769	0.048438486	0.000490943	17.08703804	0.001749326	0.010886958	0.0003935	0.000217612	0.000110201	0.119896643	2.02406E-06	0.000109165	0.000619549	0.00154249	0.000104693
2068 Jun	0.000872864	0.133186296	9.28073E-06	1.327334762	3.170717001	0.051628631	0.000186786	8.841095924	0.001415096	0.009327095	0.000434908	0.000247305	8.76199E-05	0.100835651	1.86173E-06	6.95619E-05	0.00077254	0.001851409	4.00064E-05
2068 Jul	0.000890633	0.115805954	9.91311E-06	1.220400214	3.27732873	0.037693318	0.000224667	11.73209572	0.001475105	0.009456887	0.000317053	0.000264922	8.73223E-05	0.087557562	1.99239E-06	7.80889E-05	0.000619721	0.001907883	7.00424E-05
2068 Aug	0.000976946	0.118771933	1.0555E-05	1.298870802	3.730182886	0.037629753	0.000281981	14.3251276	0.001619699	0.009956869	0.000315589	0.000277159	9.72364E-05	0.093270719	2.12366E-06	8.83757E-05	0.00059765	0.001948003	9.07833E-05
2068 Sep	0.0010167O9	0.109983452	1.03681E-05	1.288819313	3.878255844	0.031731907	0.000394709	15.70444965	0.001616076	0.010102143	0.000252331	0.000242873	9.61125E-05	0.092618831	2.08789E-06	9.76022E-05	0.000493437	0.001744801	0.000102364
2068 Oct	0.001061574	0.107064046	1.02886E-05	1.298344851	4.167216301	0.02957494	0.000463627	17.58661842	0.00166517	0.01030402	0.000229142	0.000238202	9.90265E-05	0.094186671	2.07422E-06	0.000106456	0.000456676	0.0016631	0.000118456
2068 Nov	0.001073631	0.107267231	1.03236E-05	1.307634234	4.26350975	0.029686252	0.000473832	18.14424896	0.001689613	0.010357106	0.000229897	0.000241904	0.000100782	0.095106013	2.08187E-06	0.000108502	0.000457127	0.001666597	0.000123173
2068 Dec	0.001075761	0.107321106	1.03306E-05	1.309406757	4.281271935	0.029721409	0.000475462	18.24619102	0.001694239	0.010366072	0.00023019	0.000242685	0.00010112	0.095279686	2.0834E-06	0.000108861	0.00045743	0.001667742	0.000124037
2069 Jan	0.001078792	0.107405819	1.03309E-05	1.312108874	4.315915108	0.02985668	0.000477536	18.44350624	0.00170261	0.010367597	0.000231193	0.000244357	0.000101773	0.095601253	2.0837E-06	0.000109433	0.00045859	0.001669031	0.000125737
2069 Feb	0.001080383	0.107551694	1.03329E-05	1.314052224	4.330961227	0.029974436	0.00047829	18.51875114	0.001706384	0.010371107	0.000231886	0.000245044	0.000102049	0.095812261	2.08419E-06	0.000109661	0.000459701	0.001669879	0.000126354
2069 Mar	0.001080939	0.107636467	1.03344E-05	1.31490171	4.334890366	0.03002895	0.000478455	18.53393555	0.001707433	0.010373545	0.000232162	0.000245198	0.000102117	0.095898367	2.0845E-06	0.000109714	0.000460234	0.001670208	0.000126463
2069 Apr	0.001083753	0.107941829	1.03599E-05	1.318462253	4.34644413	0.030129187	0.000479629	18.58066368	0.001711854	0.010399705	0.000232848	0.000245817	0.000102379	0.096168689	2.08965E-06	0.000109989	0.000461615	0.001674333	0.000126773
2069 May	0.001116852	0.114669628	1.0574E-05	1.377812982	4.495351791	0.033726703	0.000482756	18.85853386	0.001763084	0.010665176	0.000264597	0.000252912	0.000106449	0.101556286	2.13255E-06	0.000111899	0.000502308	0.001718287	0.000127358
2069 Jun	0.00074408	0.098874569	9.62683E-06	1.055147171	2.35406065	0.02790414	0.000182488	7.688872337	0.001245071	0.009066099	0.000219958	0.00024515	6.70319E-05	0.070264116	1.93089E-06	6.59202E-05	0.000570168	0.001945356	3.9672E-05
2069 Jul	0.000766075	0.094687022	1.01547E-05	1.040287256	2.50263834	0.023574712	0.000193288	9.321662903	0.001318642	0.009332538	0.000183792	0.000268888	6.99296E-05	0.066821583	2.03866E-06	7.12973E-05	0.000540038	0.002060101	5.54787E-05
2069 Aug	0.000845875	0.094118878	1.04062E-05	1.104140878	2.954299212	0.022777731	0.00027234	11.99914074	0.001428008	0.009444213	0.000175127	0.000256414	7.93906E-05	0.072412297	2.09192E-06	8.05604E-05	0.000466057	0.001938859	7.68156E-05
2069 Sep	0.000908846	0.089655608	9.96981E-06	1.119287372	3.059300661	0.018888623	0.000407583	12.54324818	0.001382963	0.009690998	0.00012861	0.000194248	7.60502E-05	0.075382635	2.00496E-06	8.93159E-05	0.000357075	0.001604317	7.91115E-05
2069 Oct	0.000976703	0.088590614	9.5702E-06	1.122032404	2.894084215	0.014300292	0.000538092	11.27534771	0.00126603	0.010363061	7.58525E-05	0.00011768	6.49654E-05	0.077004075	1.92307E-06	9.6136E-05	0.000261613	0.001267649	6.50678E-05
2069 Nov	0.000993351	0.08920607	9.60402E-06	1.13201344	2.901461363	0.013871005	0.000558501	11.23566914	0.00126342	0.010531773	7.01704E-05	0.000109636	6.42383E-05	0.077866264	1.9297E-06	9.78188E-05	0.000252366	0.001238202	6.40847E-05
2069 Dec	0.00099652	0.089243621	9.60855E-06	1.134522796	2.935592175	0.013954745	0.000560848	11.43628883	0.001271904	0.01053681	7.09775E-05	0.000111325	6.49001E-05	0.078148782	1.93085E-06	9.84277E-05	0.00025309	0.001240003	6.58239E-05
2070 Jan	0.0009974 97	0.089398019	9.60913E-06	1.136051655	2.943825483	0.014066741	0.000561106	11.46967411	0.001273945	0.010539237	7.15605E-05	0.00011165	6.50401E-05	0.078314677	1.931E-06	9.8528E-05	0.000254146	0.001240365	6.60747E-05
2070 Feb	0.000998312	0.089603238	9.60949E-06	1.1377424	2.949646473	0.014206952	0.000561049	11.48353481	0.001275419	0.010541687	7.22407E-05	0.000111849	6.51291E-05	0.078495339	1.93108E-06	9.85663E-05	0.000255497	0.001240698	6.61427E-05
2070 Mar	0.000999566	0.089793302	9.6181E-06	1.139609694	2.954588413	0.014293546	0.000561462	11.49632359	0.001277142	0.010552271	7.26531E-05	0.000112013	6.52187E-05	0.078656279	1.93281E-06	9.86599E-05	0.000256438	0.001241928	6.61956E-05
2070 Apr	0.001005597	0.090471029	9.66976E-06	1.147257686	2.974832535	0.014502488	0.000564336	11.5642004	0.001285103	0.010610983	7.36693E-05	0.000112743	6.56302E-05	0.079242177	1.94319E-06	9.92041E-05	0.000259088	0.001248823	6.65544E-05
2070 May	0.001074117	0.122618146	9.80489E-06	1.374903321	3.45582366	0.036231074	0.000491294	11.28611374	0.001430951	0.01087463	0.000273037	0.00014445	8.21603E-05	0.102945104	1.96888E-06	9.59698E-05	0.0004957	0.001389617	5.69112E-05
2070 Jun	0.001019651	0.164154485	9.59401E-06	1.588048816	3.670416594	0.068887696	0.000225797	8.642846107	0.001541791	0.010235777	0.000585714	0.000229547	0.000100665	0.126838639	1.92275E-06	7.43787E-05	0.000913148	0.00179239	2.84513E-05
2070 Jul	0.001013213	0.151020557	1.01694E-05	1.504501224	3.66029644	0.058571935	0.000239222	10.28745651	0.001579996	0.010392942	0.000496053	0.000252511	9.92176E-05	0.115920812	2.04038E-06	7.94551E-05	0.000826059	0.001914215	4.68443E-05
2070 Aug	0.001058081	0.143917277	1.05303E-05	1.488535404	3.875616789	0.052432735	0.000289219	12.47439194	0.001643351	0.01047667	0.000444208	0.00024853	0.000102768	0.112937547	2.11533E-06	8.63323E-05	0.000721026	0.001859465	6.68531E-05
2070 Sep	0.001038493	0.117563158	1.00052E-05	1.330381155	3.510080814	0.034395784	0.00043613	12.39750004	0.00147679	0.010451655	0.00026774	0.000177582	8.62172E-05	0.097769149	2.01068E-06	9.35259E-05	0.000486779	0.00151656	6.95859E-05
2070 Oct	0.001025795	0.103519984	9.69428E-06	1.231783032	3.172632694	0.023695821	0.000517203	11.5252943	0.001346196	0.010575486	0.000163308	0.000129597	7.3267E-05	0.088291265	1.94769E-06	9.641E-05	0.000355653	0.001312627	6.3761E-05
2070 Nov	0.001038092	0.102622896	9.6959E-06	1.234906077	3.286818266	0.023211554	0.000533099	12.28162861	0.001371498	0.010610684	0.000158521	0.000132968	7.50051E-05	0.088733204	1.94894E-06	9.91522E-05	0.000348677	0.001305722	7.04504E-05
2070 Dec	0.001040937	0.102608941	9.6975E-06	1.236940026	3.320297003	0.023276977	0.000535352	12.48257256	0.001379648	0.010612271	0.000159177	0.000134644	7.56477E-05	0.088978574	1.9495E-06	9.97431E-05	0.000349186	0.001307146	7.22106E-05
2071 Jan	0.001041883	0.102711216	9.69796E-06	1.238177061	3.329227924	0.023359148	0.000535763	12.52531433	0.001381838	0.010614042	0.000159602	0.000135027	7.58032E-05	0.089115605	1.94964E-06	9.98707E-05	0.000349946	0.001307503	7.25569E-05
2071 Feb	0.00104237	0.10285873	9.69829E-06	1.239316583	3.332009077	0.023455633	0.000535658	12.52689648	0.001382558	0.010615995	0.00016003	0.000135092	7.58375E-05	0.08923544	1.9497E-06	9.98763E-05	0.000350877	0.001307666	7.25319E-05
2071 Mar	0.001042837	0.10295935	9.70035E-06	1.240179539	3.334161997	0.023512883	0.000535704	12.53010845	0.001383216	0.010619128	0.000160294	0.000135152	7.58708E-05	0.089318171	1.95012E-06	9.98985E-05	0.000351454	0.001308008	7.25316E-05
2071 Apr	0.001045415	0.103244931	9.72302E-06	1.243420005	3.342778683	0.023597669	0.000536917	12.55970383	0.001386657	0.010644446	0.000160801	0.000135487	7.60578E-05	0.089563303	1.95467E-06	0.000100132	0.000352562	0.001311102	7.26921E-05
2071 May	0.001112845	0.141945958	9.75363E-06	1.508907318	3.853109837	0.050314389	0.000437637	11.76172352	0.001538654	0.010841351	0.000407097	0.000170901	9.48273E-05	0.117695868	1.95864E-06	9.41408E-05	0.000644007	0.001468017	5.71661E-05
2071 Jun	0.000912598	0.146116346	9.4226E-06	1.420226574	3.126775265	0.058209475	0.000185687	7.265315056	0.001408486	0.009710098	0.000491818	0.000228536	8.8236E-05	0.109685145	1.8876E-06	6.72389E-05	0.000828065	0.001824085	2.226E-05
2071 Jul	0.000857493	0.126975164	9.8977E-06	1.275220633	2.796350002	0.044226848	0.000182407	7.559342384	0.001365632	0.009707391	0.000367602	0.000243239	7.97199E-05	0.092414282	1.98378E-06	6.78833E-05	0.000715555	0.001947589	3.06446E-05
2071 Aug	0.000910344	0.126373768	1.03519E-05	1.318839669	3.024909496	0.042480428	0.000232475	9.046113014	0.00144338	0.010001066	0.00034931	0.000241142	8.48857E-05	0.094913922	2.07625E-06	7.43086E-05	0.000671131	0.001940562	4.24696E-05
2071 Sep	0.000934688	0.10809423	1.00159E-05	1.252346635	3.044655561	0.03074557	0.000375661	10.4800272	0.00138851	0.0098871	0.00023238	0.000182827	7.98219E-05	0.088654317	2.01091E-06	8.34584E-05	0.000471595	0.001612347	5.59589E-05
2071 Oct	0.000963232	0.102186009	9.81269E-06	1.218794465	3.054711819	0.025454	0.000447723	10.99112225	0.001353172	0.010118521	0.000180771	0.000155957	7.53052E-05	0.086076416	1.97092E-06	8.9504E-05	0.000397154	0.001461296	6.06693E-05
2071 Nov	0.000982128	0.099737078	9.78754E-06	1.205863476	3.005388975	0.022420367	0.000488663	10.88985538	0.001325149	0.010349712	0.000150473	0.000137534	7.17664E-05	0.084771797	1.96574E-06	9.24309E-05	0.000356025	0.0013839	5.95731E-05
2071 Dec	0.000985522	0.099612445	9.78943E-06	1.206848741	3.026789665	0.022294585	0.000492801	11.02753735	0.001329534	0.010367243	0.000149201	0.000137641	7.20257E-05	0.084891468	1.96628E-06	9.30431E-05	0.000354045	0.001380577	6.07576E-05
2072 Jan	0.000986288	0.099791683	9.7907E-06	1.208294153	3.030260324	0.022401448	0.000492884	11.0301466	0.001330424	0.01037159	0.000149624	0.000137659	7.20611E-05	0.085039601	1.96653E-06	9.30707E-05	0.000355043	0.001380601	6.07291E-05
2072 Feb	0.000987173	0.100039087	9.79173E-06	1.210230708	3.035092592	0.022559701	0.000492772	11.03399086	0.001331686	0.010375568	0.000150333	0.000137765	7.21221E-05	0.085241459	1.96673E-06	9.30891E-05	0.000356567	0.00138088	6.06966E-05
2072 Mar	0.000987831	0.10019137	9.79405E-06	1.211499929	3.03826189	0.022649644	0.0004928	11.03806496	0.001332611	0.010379596	0.000150745	0.000137846	7.21682E-05	0.085366368	1.96719E-06	9.31158E-05	0.000357459	0.00138128	6.069E-05
2072 Apr	0.0009921	0.100672081	9.83404E-06	1.216993332	3.05203104	0.02278927	0.000494763	11.08394051	0.001338391	0.010422844	0.00015157	0.000138437	7.2479E-05	0.085773237	1.97522E-06	9.34986E-05	0.000359368	0.00138696	6.0926E-05
2072 May	0.001013428	0.102932781	1.00418E-05	1.243691087	3.119348764	0.02336338	0.000505001	11.32166958	0.001367417	0.010644053	0.000155554	0.000141503	7.40848E-05	0.087691694	2.01695E-06	9.54757E-05	0.000367931	0.001416678	6.22134E-05
2072 Jun	0.000715174	0.087890938	9.71757E-06	0.973810256	1.905331254	0.018806536	0.000214712	6.071884155	0.001129867	0.009186607	0.000132406	0.000212108	5.5288E-05	0.060704786	1.94729E-06	6.42008E-05	0.000468568	0.001869946	2.74037E-05
2072 Jul	0.000752259	0.088726759	1.00098E-05	0.971391618	2.04633522	0.017401636	0.000203655	7.234618187	0.001178245	0.00920758	0.00013154	0.000216328	5.87971E-05	0.059865925	2.0072E-06	6.54881E-05	0.000423303	0.001861033	3.79262E-05
2072 Aug	0.000797138	0.081300065	9.96523E-06	1.045226693	2.201792479	0.01483848	0.000336881	8.121659279	0.001188005	0.008857929	9.18255E-05	0.000146054	6.39761E-05	0.06593325	1.99882E-06	6.99826E-05	0.00026412	0.001515991	4.18829E-05
2072 Sep	0.000841465	0.078704923	9.81559E-06	1.086286783	2.326929092	0.013265532	0.000437116	8.660664558	0.001185126	0.009008636	6.56963E-05	0.000105745	6.45303E-05	0.070141368	1.9692E-06	7.63411E-05	0.000196335	0.00131244	4.41529E-05
2072 Oct	0.000918596	0.082999229	9.55215E-06	1.096876979	2.499482393	0.012353222	0.000516437	9.259347916	0.001176389	0.009824578	5.49599E-05	8.83401E-05	6.04755E-05	0.073247313	1.91702E-06	8.67241E-05	0.00020158	0.001194719	4.78568E-05
2072 Nov	0.000942461	0.083801962	9.55024E-06	1.109945536	2.667182446	0.012614967	0.000536464	10.18710899	0.001212428	0.009958718	5.71914E-05	9.35394E-05	6.28266E-05	0.074898377	1.91772E-06	9.06623E-05	0.000205831	0.00118986	5.57075E-05
2072 Dec	0.000947828	0.083815001	9.55176E-06	1.113925338	2.731699944	0.012773835	0.000540454	10.57075596	0.001228092	0.009960408	5.87869E-05	9.68505E-05	6.40729E-05	0.075386718	1.91849E-06	9.17713E-05	0.000207245	0.001192847	5.90739E-05
2073 Jan	0.000949491	0.083949156	9.5526E-06	1.1158167 12	2.748588324	0.012892189	0.00054128	10.65807724	0.001232235	0.00996308	5.95295E-05	9.76496E-05	6.4382E-05	0.075600736	1.91876E-06	9.20291E-05	0.000208384	0.001193692	5.98057E-05
2073 Feb	0.000950177	0.084131256	9.554E-06	1.117258191	2.752279282	0.013006103	0.000541216	10.6620245	0.001233242	0.009966604	6.00651E-05	9.77526E-05	6.4433E-05	0.075748518	1.91904E-06	9.2049E-05	0.000209515	0.001194056	5.9792E-05
2073 Mar	0.000950988	0.084269509	9.55919E-06	1.118558884	2.755519152	0.013074101	0.000541429	10.66883469	0.001234351	0.009973145	6.03837E-05	9.78515E-05	6.44898E-05	0.075863831	1.92008E-06	9.21018E-05	0.000210228	0.001194807	5.98098E-05
2073 Apr	0.0009599	0.085090436	9.6463E-06	1.129208088	2.782614946	0.013230731	0.000546373	10.77251339	0.001246089	0.01006464	6.11232E-05	9.88209E-05	6.51091E-05	0.076604985	1.93758E-06	9.29591E-05	0.000212509	0.001205798	6.0398E-05
2073 May	0.00108969	0.133688107	9.74229E-06	1.479051113	3.839832067	0.046659511	0.000454508	12.34696865	0.001537023	0.010504761	0.000371181	0.00016601	9.53839E-05	0.114144914	1.95723E-06	9.42664E-05	0.000584987	0.001431413	6.37405E-05
2073 Jun	0.000995457	0.160406277	9.50567E-06	1.556820035	3.667479277	0.067640588	0.000211152	9.000224113	0.001541402	0.009998347	0.000576361	0.000239121	0.000100876	0.12401513	1.90569E-06	7.35127E-05	0.000906603	0.001815641	3.32017E-05
2073 Jul	0.000983836	0.147995248	9.9215E-06	1.465582013	3.516015053	0.05747214	0.000220714	9.68406105	0.001528986	0.010067334	0.000489109	0.00024307	9.63022E-05	0.112846293	1.99017E-06	7.55237E-05	0.000802342	0.001858665	4.27646E-05
2073 Aug	0.001027492	0.142293245	1.03171E-05	1.457366467	3.687678337	0.051996939	0.000266849	11.46956444	0.001585092	0.010219865	0.000442238	0.000238404	9.91556E-05	0.110447116	2.07151E-06	8.16708E-05	0.000709988	0.001818624	5.8982E-05
2073 Sep	0.001030808	0.125165895	1.0121E-05	1.38698554	3.728834629	0.041602276	0.000371634	13.05774498	0.001560247	0.010104314	0.000339085	0.000209254	9.57704E-05	0.103399932	2.03447E-06	8.97896E-05	0.0005638	0.00163573	7.49154E-05

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.001037648	0.10811802	9.74143E-06	1.278579712	3.542308092	0.028813517	0.000489243	13.33646679	0.001453344	0.010331124	0.000214267	0.000161901	8.3727E-05	0.093412697	1.9592E-06	9.78824E-05	0.000409614	0.001396431	7.95882E-05
2073 Nov	0.001047581	0.105489559	9.70175E-06	1.26806438	3.598370314	0.026920529	0.000514917	13.88774014	0.001458019	0.01039242	0.000195703	0.000158428	8.34399E-05	0.092535011	1.95196E-06	0.000100815	0.000386261	0.001363189	8.47313E-05
2073 Dec	0.001053733	0.105511427	9.70836E-06	1.272723913	3.668205976	0.02707528	0.00051958	14.30305862	0.001475251	0.01039884	0.000197227	0.000161954	8.47915E-05	0.093075864	1.95379E-06	0.000102049	0.000387586	0.001366759	8.83707E-05
2074 Jan	0.001058114	0.105606481	9.70849E-06	1.276515961	3.72046566	0.027266162	0.000522566	14.60438919	0.00148791	0.010399302	0.00019871	0.000164575	8.57862E-05	0.093533769	1.95417E-06	0.000102907	0.000389262	0.001368992	9.09974E-05
2074 Feb	0.001060183	0.105764031	9.70872E-06	1.278901815	3.742892742	0.027419923	0.000523604	14.72187996	0.001493382	0.010400857	0.000199651	0.000165647	8.61994E-05	0.093807936	1.95435E-06	0.00010324	0.000390688	0.001370016	9.19905E-05
2074 Mar	0.001061298	0.105932847	9.71619E-06	1.280568242	3.74763298	0.027499352	0.000523957	14.73532677	0.001494995	0.010409903	0.00020006	0.00016582	8.62887E-05	0.093952984	1.95586E-06	0.000103325	0.000391547	0.001371138	9.20568E-05
2074 Apr	0.00106944	0.106780209	9.7893E-06	1.290583968	3.776698589	0.027739264	0.000527859	14.84621429	0.001506461	0.010488841	0.000201707	0.000167083	8.69473E-05	0.094700307	1.97057E-06	0.000104103	0.00039481	0.001381485	9.27363E-05
2074 May	0.001169099	0.153659001	9.83325E-06	1.621826649	4.530062675	0.060018145	0.000426465	14.67350388	0.00172034	0.010818987	0.000498674	0.000213621	0.000111667	0.129921094	1.9777E-06	0.000100141	0.000746658	0.001565551	8.06682E-05
2074 Jun	0.001011092	0.166788295	9.32365E-06	1.60035944	3.838675022	0.072711356	0.000201359	9.317500114	0.001572201	0.009922553	0.000623814	0.000243314	0.000105175	0.129577219	1.86945E-06	7.34464E-05	0.00095287	0.001797356	3.45769E-05
2074 Jul	0.001012403	0.156232238	9.98911E-06	1.535466909	3.769353151	0.063281693	0.00021626	10.35866737	0.001600404	0.01022786	0.000540681	0.000260051	0.000102775	0.12008407	2.00422E-06	7.77975E-05	0.000874738	0.001919961	4.68544E-05
2074 Aug	0.00109996	0.160319448	1.06294E-05	1.622095346	4.311475277	0.064367101	0.000269057	13.38049507	0.001770484	0.010755992	0.000549455	0.000284375	0.000114554	0.126816988	2.13567E-06	8.92884E-05	0.000878997	0.002003319	7.16269E-05
2074 Sep	0.001110274	0.132626012	1.02089E-05	1.487667203	4.473088264	0.047413159	0.000424571	16.67045021	0.001745637	0.010500294	0.000387698	0.000247404	0.000110108	0.114304356	2.05608E-06	0.000103273	0.000644171	0.00171133	0.000104735
2074 Oct	0.001145566	0.116145499	9.91357E-06	1.406838179	4.734813213	0.036451105	0.000545235	19.65915298	0.00175904	0.010578595	0.000283976	0.000229694	0.00010836	0.10742899	2.00095E-06	0.000116878	0.000502445	0.001522093	0.000133594
2074 Nov	0.001219283	0.114184745	9.87994E-06	1.450310469	5.654217243	0.037511215	0.000609988	25.30801392	0.001976569	0.010553178	0.000295552	0.000274418	0.000125587	0.113229871	2.00107E-06	0.000133275	0.000506371	0.001543183	0.000183783
2074 Dec	0.001233289	0.114108428	9.88178E-06	1.460421324	5.828083992	0.037898175	0.000620726	26.35128784	0.002018697	0.010551052	0.000299487	0.000283347	0.000128956	0.114488311	2.00269E-06	0.000136249	0.000509511	0.001550729	0.000193002
2075 Jan	0.001236168	0.114201173	9.88223E-06	1.463049889	5.860970974	0.038034588	0.000622621	26.53759384	0.002026668	0.010552407	0.000300435	0.000284948	0.000129572	0.114799775	2.003E-06	0.000136786	0.000510694	0.001552038	0.000194618
2075 Feb	0.001237943	0.114371821	9.88428E-06	1.465263367	5.877947807	0.038172971	0.000623417	26.62189293	0.002030923	0.010556026	0.000301228	0.00028573	0.000129881	0.115041099	2.00351E-06	0.000137037	0.000512003	0.001553006	0.000195315
2075 Mar	0.001240241	0.114611275	9.89793E-06	1.468154311	5.891614437	0.038289722	0.000624462	26.68335533	0.002035082	0.010571495	0.000301969	0.00028636	0.000130155	0.115296654	2.0063E-06	0.000137297	0.000513306	0.001555367	0.000195781
2075 Apr	0.001249467	0.115423679	9.96426E-06	1.478914499	5.941591263	0.038600657	0.000629184	26.92011833	0.002051267	0.010642605	0.000304359	0.000288794	0.000131224	0.116177984	2.01981E-06	0.00013838	0.000517236	0.001566243	0.000197592
2075 May	0.001333095	0.137077481	1.00715E-05	1.658376336	6.664254665	0.053946227	0.000611466	29.1004982	0.002244678	0.010874737	0.000446027	0.00032793	0.000149829	0.135271594	2.0432E-06	0.000143582	0.000680755	0.001669091	0.000211787
2075 Jun	0.000760575	0.091023616	9.52351E-06	1.026351333	2.709105492	0.024179349	0.000226516	10.53242683	0.001319836	0.008945188	0.000186291	0.000262064	7.21205E-05	0.068144329	1.91382E-06	7.43715E-05	0.000528057	0.001927388	6.69242E-05
2075 Jul	0.000714629	0.086634792	9.90785E-06	0.956446171	2.157868385	0.018674303	0.000177281	8.032855988	0.001217089	0.009010778	0.000141132	0.000251669	6.18009E-05	0.058858391	1.98796E-06	6.60728E-05	0.000483623	0.001997205	4.6895E-05
2075 Aug	0.00079061	0.08845561	1.02193E-05	1.021339893	2.524202108	0.018694675	0.000238039	10.06023788	0.001312038	0.009221933	0.000141226	0.000241563	6.969E-05	0.064381085	2.05238E-06	7.35425E-05	0.000430671	0.001911975	6.25663E-05
2075 Sep	0.000853801	0.08878462	1.02906E-05	1.074874997	2.93710494	0.01889641	0.000311084	12.3370657	0.001403545	0.00944948	0.00013837	0.000239315	7.68439E-05	0.069778375	2.06915E-06	8.31855E-05	0.000406387	0.001841901	8.09823E-05
2075 Oct	0.000916329	0.088928044	1.01019E-05	1.105922461	3.159058571	0.017822064	0.000400776	13.4022913	0.001418341	0.009800422	0.000122424	0.000212369	7.7454E-05	0.073883601	2.03242E-06	9.17599E-05	0.000364418	0.001672668	8.83893E-05
2075 Nov	0.000941372	0.089265764	1.01084E-05	1.123528123	3.345726252	0.018044231	0.000425756	14.45202255	0.001459397	0.009894119	0.000123583	0.000215656	8.05174E-05	0.075875863	2.03491E-06	9.58804E-05	0.00036148	0.001656258	9.72111E-05
2075 Dec	0.000946677	0.08931233	1.01122E-05	1.12753427	3.400135756	0.018164048	0.000430104	14.77035809	0.001472472	0.00990325	0.000124695	0.000218008	8.15395E-05	0.076340072	2.03604E-06	9.68835E-05	0.000362195	0.001657317	9.99811E-05
2076 Jan	0.000948118	0.089484572	1.01129E-05	1.129454732	3.411540985	0.018286627	0.000430792	14.82025528	0.001475207	0.00990756	0.000125324	0.00021837	8.17297E-05	0.076549076	2.03624E-06	9.7052E-05	0.000363255	0.00165735	0.000100368
2076 Feb	0.000949326	0.089748301	1.01177E-05	1.131699562	3.417105198	0.018438263	0.000430918	14.8279047	0.001476862	0.009915422	0.000126026	0.000218504	8.18131E-05	0.076766804	2.03719E-06	9.71072E-05	0.000364758	0.001658084	0.00010036
2076 Mar	0.000950986	0.089986533	1.01309E-05	1.134115934	3.423741102	0.018540194	0.000431442	14.84773064	0.001479323	0.009930172	0.000126541	0.000218808	8.19449E-05	0.076966301	2.03986E-06	9.72399E-05	0.000365961	0.001660235	0.000100462
2076 Apr	0.000954921	0.090404153	1.01704E-05	1.139052153	3.43827486	0.018655747	0.000433098	14.90575981	0.001485375	0.009969816	0.000127228	0.000219669	8.22776E-05	0.07732112	2.04781E-06	9.76215E-05	0.00036779	0.001666687	0.000100836
2076 May	0.001041325	0.125397831	1.01858E-05	1.388684273	3.860867023	0.041402951	0.000384493	13.86111355	0.001598089	0.010396392	0.000333465	0.000229367	9.6613E-05	0.103636317	2.04842E-06	9.45363E-05	0.000600353	0.001720179	8.27207E-05
2076 Jun	0.00090351	0.145740151	9.34163E-06	1.413391948	3.127198935	0.058556505	0.000176513	7.290191174	0.001405576	0.009589547	0.000495956	0.000230765	8.84996E-05	0.109350927	1.87144E-06	6.63144E-05	0.000831521	0.001823091	2.29445E-05
2076 Jul	0.000867921	0.129677206	9.8028E-06	1.291501045	2.839098215	0.046056625	0.000179574	7.531385899	0.001366855	0.009641545	0.000386136	0.00023706	8.09257E-05	0.09460938	1.96461E-06	6.71264E-05	0.000718373	0.001902561	2.97977E-05
2076 Aug	0.000929221	0.128232837	1.02993E-05	1.334778786	3.130482197	0.043645121	0.000237643	9.504193306	0.001461019	0.009949202	0.000362455	0.000236644	8.71836E-05	0.096979283	2.06612E-06	7.50374E-05	0.000662556	0.001891509	4.61246E-05
2076 Sep	0.000979882	0.123197868	1.03614E-05	1.349160194	3.501539469	0.04041975	0.000317349	12.08914185	0.001540759	0.010109795	0.000328977	0.000235461	9.25238E-05	0.098345637	2.08163E-06	8.55064E-05	0.00060538	0.001819277	6.87479E-05
2076 Oct	0.001004872	0.109618656	9.93796E-06	1.272782207	3.454180479	0.030297784	0.00043572	12.82794762	0.001463697	0.010275053	0.000229808	0.000187672	8.41646E-05	0.092003278	1.99797E-06	9.41044E-05	0.000462157	0.001551211	7.64059E-05
2076 Nov	0.001027045	0.1073303	9.88608E-06	1.272905231	3.641604662	0.028945092	0.000470067	14.11886692	0.001498577	0.010328114	0.000216535	0.000188978	8.64748E-05	0.092436306	1.98916E-06	9.91157E-05	0.000440509	0.00151386	8.79432E-05
2076 Dec	0.001034747	0.107324421	9.89051E-06	1.278586745	3.732318163	0.02914482	0.000475988	14.66044044	0.0015207	0.010331989	0.000218528	0.000193543	8.82271E-05	0.09311901	1.9907E-06	0.000100698	0.000442116	0.001517874	9.27198E-05
2077 Jan	0.001036545	0.107428566	9.8909E-06	1.28045249	3.751110077	0.029250767	0.000477072	14.76151943	0.001525242	0.010334058	0.00021916	0.000194389	8.85682E-05	0.093333691	1.99089E-06	0.000100997	0.000443036	0.001518471	9.35818E-05
2077 Feb	0.001037228	0.107601129	9.89259E-06	1.281849742	3.754464149	0.029356219	0.000477062	14.76434135	0.001526171	0.010337825	0.000219623	0.000194456	8.86118E-05	0.093474798	1.99123E-06	0.000101018	0.000444057	0.001518752	9.35586E-05
2077 Mar	0.001038019	0.107737929	9.89742E-06	1.283126473	3.757889986	0.029425683	0.000477252	14.7723732	0.001527308	0.010343972	0.000219966	0.000194575	8.86728E-05	0.093589641	1.9922E-06	0.000101071	0.000444793	0.001519512	9.35887E-05
2077 Apr	0.001043097	0.108296931	9.94434E-06	1.289577365	3.776540041	0.029596578	0.000479485	14.84241486	0.001534754	0.010393636	0.000221141	0.000195508	8.91018E-05	0.094072379	2.00164E-06	0.000101551	0.000447197	0.001526722	9.40194E-05
2077 May	0.001098024	0.13373287	9.98993E-06	1.467231512	4.07975769	0.046380844	0.000430518	14.10667229	0.001622551	0.010650478	0.000374495	0.000209376	0.000100028	0.112702817	2.00904E-06	9.84631E-05	0.000624961	0.001598329	8.1422E-05
2077 Jun	0.000935424	0.146637678	9.52891E-06	1.440967083	3.373270035	0.058848403	0.000198865	8.725255013	0.001476531	0.00977621	0.000498054	0.000244118	9.33409E-05	0.111684248	1.91056E-06	7.15954E-05	0.000837486	0.001860197	3.52574E-05
2077 Jul	0.000926851	0.135596886	1.02183E-05	1.373535991	3.301613092	0.04951746	0.000208193	9.786951065	0.001510563	0.010085587	0.00041446	0.000268974	9.10974E-05	0.101783723	2.05019E-06	7.59894E-05	0.000775172	0.002026307	4.812E-05
2077 Aug	0.000980817	0.13474521	1.06879E-05	1.417965531	3.546891212	0.047652356	0.000260506	11.3959198	0.001593563	0.010386154	0.000394821	0.000268094	9.6603E-05	0.104301877	2.14587E-06	8.28441E-05	0.000730109	0.002023318	6.11585E-05
2077 Sep	0.000966755	0.105675928	9.94561E-06	1.260595798	3.221151352	0.028997699	0.00042969	11.63877583	0.001413552	0.010002935	0.000213247	0.000172732	8.14204E-05	0.089850888	1.99808E-06	8.92834E-05	0.000434148	0.001527244	6.61667E-05
2077 Oct	0.001017097	0.100837298	9.82993E-06	1.247960091	3.477014065	0.024727551	0.000510278	13.56323624	0.001445486	0.010290436	0.000171972	0.000162583	8.20395E-05	0.089418836	1.97727E-06	9.93411E-05	0.000374684	0.00141587	8.33321E-05
2077 Nov	0.001034007	0.101003692	9.85964E-06	1.260740638	3.648835897	0.02506703	0.000523261	14.57756329	0.001488299	0.010328225	0.000175212	0.000170809	8.53142E-05	0.090827674	1.98441E-06	0.000102532	0.000377468	0.00142447	9.22031E-05
2077 Dec	0.001037666	0.10103792	9.86524E-06	1.263552308	3.687781096	0.025152929	0.00052601	14.80759335	0.001497986	0.010334632	0.000176044	0.00017273	8.60645E-05	0.091143206	1.9858E-06	0.000103236	0.000378205	0.001426523	9.422E-05
2078 Jan	0.001039022	0.101152591	9.86723E-06	1.265119433	3.700024366	0.025241565	0.000526707	14.86937904	0.001501055	0.010338273	0.000176548	0.000173269	8.62851E-05	0.091312028	1.98627E-06	0.000103431	0.000379032	0.001427155	9.47329E-05
2078 Feb	0.0010397	0.101309687	9.86919E-06	1.266427636	3.703588963	0.025336999	0.000526733	14.8752079	0.001502053	0.010342039	0.000176986	0.000173367	8.63367E-05	0.091443174	1.98666E-06	0.00010346	0.000379971	0.001427522	9.47408E-05
2078 Mar	0.001040321	0.101421818	9.87283E-06	1.267456174	3.706236124	0.025394987	0.00052687	14.88069916	0.001502926	0.010346801	0.000177264	0.000173452	8.63824E-05	0.091536611	1.98739E-06	0.000103499	0.000380576	0.001428083	9.47559E-05
2078 Apr	0.00104955	0.102346733	9.9587E-06	1.278835058	3.73977232	0.025645221	0.000531452	15.01350594	0.001516317	0.01043731	0.000178942	0.000175002	8.71526E-05	0.092371188	2.00468E-06	0.000104409	0.000384165	0.001440548	9.55987E-05
2078 May	0.001159685	0.162548602	9.84034E-06	1.677990794	4.478853226	0.066540934	0.000385953	13.43101501	0.00172008	0.010787575	0.000556986	0.000218136	0.000113597	0.135527372	1.97728E-06	9.50898E-05	0.000824284	0.001621561	6.81399E-05
2078 Jun	0.001065009	0.180084869	9.41573E-06	1.707968235	4.032150269	0.080517724	0.000207924	9.101707458	0.00162143	0.010231774	0.000692876	0.000237699	0.000110717	0.14046441	1.88702E-06	7.43666E-05	0.001019513	0.001779787	2.87399E-05
2078 Jul	0.001095032	0.175099909	1.00817E-05	1.688214779	4.088078022	0.07438305	0.000228397	10.32586288	0.001676338	0.01062859	0.000640263	0.000250738	0.000111388	0.135803968	2.02186E-06	7.95903E-05	0.000961499	0.00187294	4.09466E-05
2078 Aug	0.001097601	0.155700952	1.02938E-05	1.576226711	4.065849304	0.060650468	0.000285118	12.29967499	0.001668252	0.010391189	0.000520888	0.000233431	0.000108461	0.123206742	2.06719E-06	8.47056E-05	0.00076574	0.001752588	6.23614E-05
2078 Sep	0.001120244	0.140306041	1.03191E-05	1.541767716	4.450962543	0.052498903	0.000384204	15.86600971	0.001752086	0.01024162	0.000440038	0.000235541	0.000113953	0.119315132	2.07676E-06	9.68433E-05	0.000650933	0.001669998	9.5944E-05
2078 Oct	0.001153189	0.128997043	1.01122E-05	1.494075418	4.80875206	0.045592193	0.000473536	18.97805405	0.001806749	0.010320408	0.000374216	0.000238609	0.000116062	0.115681231	2.03937E-06	0.000109385	0.000572095	0.001578183	0.000125513
2078 Nov	0.001164733	0.12666136	1.00944E-05	1.487147689	4.908999443	0.044053115	0.000496653	19.78268433	0.001825316	0.010372814	0.000359352	0.000240007	0.000116905	0.115152605	2.03682E-06	0.00011275	0.000554708	0.001560832	0.000132992
2078 Dec	0.001168283	0.126627833	1.00975E-05	1.489539385	4.949125767	0.044109821	0.000499601	20.02541161	0.0018351	0.01037694	0.000359919	0.00024198	0.000117662	0.115436845	2.03773E-06	0.000113486	0.000555129	0.001562503	0.000135143
2079 Jan	0.001172191	0.126674086	1.00964E-05	1.492697597	4.996704578	0.044261407	0.000502433	20.30327606	0.001846511	0.010376522	0.000361078	0.000244352	0.000118556	0.115828946	2.03784E-06	0.000114278	0.000556423	0.00156426	0.000137592
2079 Feb	0.001173355	0.126799986	1.00962E-05	1.494222403	5.008392811	0.044368211	0.000502925	20.35984612	0.001849337	0.010377963	0.000361628	0.00024487	0.000118758	0.116002262	2.03786E-06	0.000114441	0.00055742	0.001564691	0.000138059
2079 Mar	0.001174983	0.126977697	1.01048E-05	1.496326923	5.01887846	0.04446416	0.000503613	20.40703201	0.00185242	0.010387668	0.000362233	0.000245353	0.000118966	0.116195068	2.03962E-06	0.000114625	0.000558438	0.001566261	0.000138423
2079 Apr	0.001181169	0.127643347	1.01546E-05	1.504204512	5.047617435	0.044717632	0.000506271	20.52734375	0.001862522	0.010439362	0.0003642	0.000246742	0.000119623	0.116824828	2.0497E-06	0.000115247	0.000561511	0.001574139	0.000139269
2079 May	0.001208062	0.134581089	1.03277E-05	1.560141087	5.153957367	0.048545338	0.000503459	20.51986313	0.001901423	0.010671325	0.000398188	0.000252226	0.000122906	0.121997215	2.08406E-06	0.000116082	0.000605514	0.001614986	0.000137365
2079 Jun	0.000729845	0.10005521	9.39709E-06	1.05328846	2.309392691	0.029623685	0.000168311	7.211097717	0.001220364	0.008869518	0.00023629	0.000240107	6.64666E-05	0.071008377	1.88424E-06	6.32467E-05	0.000582292	0.001909352	3.57923E-05
2079 Jul	0.00072562	0.091425411	9.78856E-06	0.986733735	2.186861515	0.02193037	0.00017115	7.676760674	0.001214071	0.008968697	0.000171642	0.000243727	6.30486E-05	0.062550157	1.96344E-06	6.4542E-05	0.000502645	0.001952028	4.25515E-05
2079 Aug	0.00081919	0.094739147	1.02637E-05	1.058996439	2.647039175	0.022010468	0.000229336	10.28104115	0.001342786	0.009337859	0.000175016	0.000244342	7.26876E-05	0.068482667	2.06128E-06	7.39878E-05	0.000458191	0.001911611	6.34764E-05
2079 Sep	0.000907594	0.090995155	9.96953E-06	1.106527686	2.990097523	0.018902576	0.000388612	12.14231873	0.001365429	0.009715303	0.000133012	0.000194276	7.43737E-05	0.074310742	2.00425E-06	8.75926E-05	0.000360028	0.001610157	7.69078E-05
2079 Oct	0.000964835	0.090113893	9.77986E-06	1.129709244	3.203669071	0.017304456	0.000477169	13.2607336	0.001379359	0.010050603	0.000112129	0.00016986	7.47028E-05	0.077598661	1.96743E-06	9.62531E-05	0.000317258	0.001452375	8.51988E-05
2079 Nov	0.00098177	0.090026163	9.73192E-06	1.135697126	3.190504551	0.016446423	0.000507351	13.10423183	0.001362846	0.010214767	0.000101409	0.000155096	7.29567E-05	0.07832545	1.95755E-06	9.81624E-05	0.000298847	0.001388962	8.30684E-05
2079 Dec	0.000993413	0.090002485	9.7031E-06	1.139963984	3.177291155	0.015847005	0.000528033	12.96943951	0.001350723	0.010332324	9.3914E-05	0.000144711	7.16777E-05	0.078816861	1.95155E-06	9.94271E-05	0.000286159	0.001345639	8.13482E-05
2080 Jan	0.000994922	0.090256363	9.70345E-06	1.142395139	3.189121962	0.016026536	0.000528451	13.01362038	0.001353594	0.010336519	9.48019E-05	0.000145103	7.18685E-05	0.079081126	1.95167E-06	9.95677E-05	0.000287811	0.001345873	8.16681E-05
2080 Feb	0.000996259	0.090610266	9.70503E-06	1.145245671	3.197120905	0.016256772	0.000528345	13.02552509	0.001355679	0.010342086	9.58807E-05	0.000145317	7.19818E-05	0.079378791	1.95198E-06	9.9611E-05	0.000290032	0.001346372	8.1678E-05
2080 Mar	0.000996993	0.09080752	9.7064E-06	1.146821022	3.201055288	0.016381312	0.000528281	13.02920723	0.001356743	0.010345677	9.64574E-05	0.000145411	7.20359E-05	0.079540484	1.95225E-06	9.963E-05	0.000291242	0.001346688	8.16568E-05
2080 Apr	0.001000732	0.091221355	9.73963E-06	1.151531935	3.213884115	0.01650543	0.000530008	13.07439995	0.001361857	0.010382288	9.71E-05	0.000145946	7.23056E-05	0.079896234	1.95893E-06	9.99727E-05	0.00029289	0.001351365	8.19141E-05
2080 May	0.001025702	0.094545357	9.95049E-06	1.186358094	3.310447454	0.017810233	0.00053893	13.38318157	0.001398661	0.010614956	0.000107844	0.000150605	7.46797E-05	0.082688116	2.00133E-06	0.000102102	0.000309303	0.001385487	8.36046E-05
2080 Jun	0.000731731	0.085337847	9.63319E-06	0.965180993	2.06785965	0.01735794	0.000240027	7.272034645	0.001157389	0.009169894	0.000119692	0.000213581	5.71868E-05	0.060422231	1.93184E-06	6.81928E-05	0.000444287	0.00182982	3.87817E-05
2080 Jul	0.000714937	0.085085787	9.82391E-06	0.928597689	1.891036391	0.015975123	0.000183828	6.625655651	0.001132857	0.008978354	0.000119173	0.00021635	5.54008E-05	0.056095596	1.9694E-06	6.23324E-05	0.000418418	0.001862983	3.43991E-05
2080 Aug	0.00079575	0.087088034	1.01018E-05	0.991595447	2.214886665	0.01572538	0.000245538	8.396830559	0.001210711	0.009133836	0.000118738	0.000194948	6.24879E-05	0.061539553	2.02676E-06	6.86287E-05	0.000343512	0.001724659	4.7583E-05

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.000852074	0.083651252	9.95568E-06	1.055604577	2.534062862	0.014802215	0.000367901	10.04613209	0.001255922	0.009217507	9.55725E-05	0.000159842	6.75194E-05	0.068033412	1.99909E-06	7.81906E-05	0.000273465	0.00151357	5.93236E-05
2080 Oct	0.000930771	0.085196227	9.78529E-06	1.097836256	2.927939415	0.014568293	0.000465584	12.03928852	0.001314134	0.009729563	8.7165E-05	0.000148498	7.0689E-05	0.073599659	1.96712E-06	9.05511E-05	0.000259623	0.001391327	7.50689E-05
2080 Nov	0.000968681	0.086304106	9.72572E-06	1.118624806	3.058557749	0.014266901	0.000513936	12.61068058	0.001327865	0.010035982	8.07041E-05	0.000138291	7.08758E-05	0.076147392	1.95573E-06	9.5936E-05	0.000251117	0.001326454	7.89969E-05
2080 Dec	0.000977686	0.086410359	9.72641E-06	1.124987006	3.143019199	0.014434566	0.000521975	13.09781742	0.001347354	0.010060632	8.21292E-05	0.000141469	7.23601E-05	0.076907657	1.95644E-06	9.76074E-05	0.000252193	0.001325885	8.3233E-05
2081 Jan	0.000979037	0.086613677	9.72819E-06	1.127008677	3.153146267	0.014571677	0.000522427	13.13769817	0.001349898	0.010065691	8.2829E-05	0.000141836	7.25282E-05	0.077121578	1.95684E-06	9.77446E-05	0.00025351	0.001326356	8.35289E-05
2081 Feb	0.000979933	0.086870514	9.7293E-06	1.129008293	3.157947302	0.01473555	0.000522299	13.14037991	0.001351162	0.010069921	8.3587E-05	0.000141942	7.25901E-05	0.077329502	1.95705E-06	9.77608E-05	0.000255109	0.001326685	8.34834E-05
2081 Mar	0.000980805	0.087044924	9.7337E-06	1.130542397	3.161804676	0.014830972	0.000522432	13.14696789	0.001352381	0.010076159	8.40344E-05	0.000142055	7.26523E-05	0.077473424	1.95793E-06	9.78078E-05	0.000256084	0.001327381	8.3491E-05
2081 Apr	0.000987033	0.087775297	9.78467E-06	1.138709545	3.186075687	0.015096194	0.000525122	13.23366451	0.001361371	0.010132275	8.53778E-05	0.000143043	7.31464E-05	0.078121282	1.9682E-06	9.83722E-05	0.000259233	0.001334658	8.40139E-05
2081 May	0.001111662	0.150900632	9.84372E-06	1.570942521	3.961824417	0.057363648	0.000387552	11.57365513	0.001586852	0.010694464	0.000471465	0.000188731	0.000100753	0.123842575	1.97607E-06	9.02468E-05	0.000720962	0.001552764	5.46813E-05
2081 Jun	0.001068771	0.177086115	9.54648E-06	1.692302108	3.967104435	0.077622078	0.000224482	9.050960541	0.001609772	0.010349146	0.000664995	0.000231321	0.000108586	0.13815251	1.91315E-06	7.54848E-05	0.000986423	0.001770128	2.87868E-05
2081 Jul	0.001117154	0.1799528	1.02965E-05	1.738547921	4.141645432	0.076766111	0.000241273	10.13325119	0.001704213	0.010956052	0.000656519	0.000253399	0.000112969	0.139970258	2.06434E-06	8.1397E-05	0.000998582	0.001920543	3.76681E-05
2081 Aug	0.001188812	0.183824867	1.09415E-05	1.814591289	4.498514652	0.077328652	0.000284312	12.05870819	0.001830153	0.011485951	0.00065954	0.000268367	0.000121194	0.145314723	2.19538E-06	8.98411E-05	0.000998945	0.001997927	5.29004E-05
2081 Sep	0.001172018	0.161260903	1.07666E-05	1.703155041	4.546038628	0.064180292	0.000374518	14.3235302	0.001813583	0.011107848	0.000535584	0.000249051	0.00011842	0.134016097	2.16362E-06	9.73984E-05	0.000821334	0.001837147	7.69495E-05
2081 Oct	0.001188327	0.149931207	1.05875E-05	1.643793225	4.752110958	0.057092775	0.000441664	16.58868027	0.001836255	0.011079459	0.000470191	0.000246653	0.000118441	0.12889713	2.13079E-06	0.000106112	0.000735339	0.001745406	9.93008E-05
2081 Nov	0.001173751	0.137492523	1.03259E-05	1.555499554	4.645720005	0.048871361	0.000489366	17.07776642	0.001777796	0.010974788	0.000394136	0.000227907	0.000112156	0.120754823	2.07937E-06	0.000109381	0.000637696	0.001627123	0.000106212
2081 Dec	0.001172785	0.135903269	1.03036E-05	1.544611335	4.629320145	0.047736343	0.000496535	17.12624741	0.001770078	0.010976507	0.00038353	0.00022512	0.00011126	0.119700976	2.07502E-06	0.000109885	0.000624368	0.001612098	0.000106945
2082 Jan	0.001174051	0.13602826	1.0303E-05	1.546130657	4.64055872	0.047835089	0.000497204	17.17981911	0.001772686	0.010978934	0.000383804	0.000225505	0.000111423	0.119874939	2.07495E-06	0.000110053	0.000625184	0.001611983	0.000107382
2082 Feb	0.001175147	0.136299804	1.03048E-05	1.548337579	4.6466012	0.048006266	0.0004972	17.18857574	0.001774276	0.010984135	0.000384496	0.000225642	0.000111496	0.120102793	2.07531E-06	0.000110093	0.000626822	0.001612324	0.000107385
2082 Mar	0.001176453	0.136535645	1.03124E-05	1.550501823	4.652283669	0.048128948	0.000497482	17.20081902	0.001776139	0.010994062	0.000385106	0.00022583	0.000111596	0.120299846	2.07684E-06	0.000110176	0.000628106	0.001613522	0.000107423
2082 Apr	0.001181318	0.137148991	1.03528E-05	1.557169676	4.671795845	0.048367776	0.000499384	17.26784515	0.001783417	0.011038246	0.000386803	0.000226727	0.000112044	0.120833822	2.08498E-06	0.000110609	0.000631041	0.001619856	0.00010782
2082 May	0.001204356	0.139919639	1.05513E-05	1.588056207	4.764206886	0.049391668	0.00050874	17.60174561	0.001818357	0.0112511	0.000395021	0.00023121	0.000114265	0.123261645	2.12495E-06	0.00011273	0.000644154	0.00165132	0.000109879
2082 Jun	0.000758818	0.09304405	9.59236E-06	1.036649346	2.521543264	0.024482735	0.000224543	9.193914413	0.001275917	0.009054378	0.000186779	0.000245388	6.86757E-05	0.068576559	1.92576E-06	7.14297E-05	0.000523911	0.001901045	5.4602E-05
2082 Jul	0.000676671	0.084014781	9.77316E-06	0.910556734	1.797424555	0.016590398	0.000153105	6.141100407	0.001119836	0.008836308	0.000123592	0.000231455	5.44041E-05	0.054305032	1.9588E-06	5.95528E-05	0.00045513	0.001948184	3.12964E-05
2082 Aug	0.00074983	0.086596265	1.02131E-05	0.98752439	2.107250452	0.016856838	0.000214793	7.733346462	0.001212318	0.009165721	0.000122787	0.000221919	6.16545E-05	0.060298968	2.04833E-06	6.66614E-05	0.000414553	0.001898688	4.28444E-05
2082 Sep	0.000808184	0.086814746	1.02679E-05	1.03975594	2.361218452	0.016453952	0.000294181	9.001856804	0.001259817	0.009426007	0.000112192	0.000202322	6.54808E-05	0.065287508	2.06049E-06	7.42378E-05	0.000373524	0.001781351	5.18863E-05
2082 Oct	0.000900989	0.08627893	9.74496E-06	1.072937369	2.669205666	0.014517493	0.000438905	10.43296814	0.001253469	0.009892352	8.52428E-05	0.000151184	6.45146E-05	0.071123764	1.95719E-06	8.71049E-05	0.000299252	0.001458108	6.16162E-05
2082 Nov	0.000927332	0.086620905	9.76375E-06	1.092511177	2.912859201	0.015011018	0.000461546	11.84028721	0.001311032	0.009959118	8.95463E-05	0.000160252	6.89458E-05	0.073358923	1.96258E-06	9.183E-05	0.000301133	0.001457263	7.38547E-05
2082 Dec	0.000935385	0.086656548	9.76887E-06	1.098670602	3.006793976	0.015241805	0.000467592	12.39708519	0.001333988	0.009963986	9.18263E-05	0.000164977	7.0768E-05	0.074092351	1.96426E-06	9.34584E-05	0.000303059	0.001461561	7.87944E-05
2083 Jan	0.00093664	0.086793028	9.77055E-06	1.1002841	3.01720953	0.015339905	0.000468176	12.44544029	0.001336585	0.009967845	9.2366E-05	0.000165383	7.09516E-05	0.074264683	1.96465E-06	9.36163E-05	0.000303957	0.001461971	7.91839E-05
2083 Feb	0.00093764	0.086997263	9.77531E-06	1.102066875	3.021714211	0.015453348	0.000468316	12.45294094	0.001337985	0.009974807	9.28972E-05	0.000165511	7.10232E-05	0.074433468	1.9656E-06	9.36686E-05	0.000305107	0.001462728	7.91912E-05
2083 Mar	0.000938944	0.087179288	9.78583E-06	1.103931665	3.026596785	0.015527776	0.00046877	12.46697044	0.001339827	0.009986687	9.32621E-05	0.000165714	7.11193E-05	0.074585758	1.96772E-06	9.37725E-05	0.000305981	0.001464325	7.92579E-05
2083 Apr	0.00094433	0.087714352	9.8402E-06	1.110455036	3.044357538	0.015647214	0.000471346	12.53665733	0.001347504	0.010042829	9.39324E-05	0.00016665	7.15259E-05	0.075041629	1.97865E-06	9.42955E-05	0.000307995	0.001472474	7.96882E-05
2083 May	0.001078566	0.133138388	9.91108E-06	1.453563809	4.005597591	0.046594381	0.000412608	13.71297455	0.001603693	0.010507694	0.000377488	0.00021087	9.90213E-05	0.111562304	1.99274E-06	9.60737E-05	0.000631291	0.001608112	7.91126E-05
2083 Jun	0.000975093	0.157419011	9.36349E-06	1.525906801	3.641627789	0.066550672	0.000199887	9.13494873	0.001528623	0.009806119	0.000568191	0.000243657	0.000100042	0.121488482	1.87748E-06	7.25727E-05	0.000900058	0.001816715	3.60975E-05
2083 Jul	0.000934422	0.137042448	9.83018E-06	1.369342089	3.30284214	0.050879527	0.000207173	9.57329464	0.001474362	0.009777166	0.000432102	0.000245323	9.07229E-05	0.103166394	1.97213E-06	7.34746E-05	0.000743841	0.001867204	4.59146E-05
2083 Aug	0.000959871	0.119812585	1.00734E-05	1.259384274	3.16031456	0.036530506	0.000265842	10.74612427	0.001426132	0.009578296	0.000312467	0.000200728	8.51898E-05	0.090698652	2.02254E-06	7.61421E-05	0.000500207	0.001635208	5.92814E-05
2083 Sep	0.001003804	0.108781584	9.90823E-06	1.244134665	3.426850557	0.029449757	0.000399557	13.0095377	0.001453346	0.009875349	0.000234907	0.000180053	8.50853E-05	0.089532211	1.9922E-06	8.97805E-05	0.000408181	0.001480279	7.96306E-05
2083 Oct	0.00102642	0.097776875	9.59924E-06	1.194311261	3.35595727	0.020961311	0.000521331	13.27009392	0.001383378	0.010281042	0.000144366	0.000139736	7.64716E-05	0.085225016	1.93076E-06	9.90629E-05	0.000311091	0.001286032	8.23472E-05
2083 Nov	0.001040321	0.09561079	9.54306E-06	1.191614747	3.456817389	0.019565178	0.000552355	14.00639248	0.001397672	0.010362544	0.000129303	0.000137734	7.70132E-05	0.085238233	1.9204E-06	0.000102856	0.000294336	0.001253431	8.89942E-05
2083 Dec	0.001046295	0.095613241	9.54669E-06	1.196100354	3.527552605	0.01972726	0.000556933	14.42786503	0.001414959	0.010365739	0.000130906	0.000141329	7.83822E-05	0.085775368	1.92162E-06	0.000104087	0.000295727	0.001256782	9.27479E-05
2084 Jan	0.001046902	0.095765315	9.54779E-06	1.197344422	3.53067255	0.019821839	0.000556959	14.4310112	0.001415786	0.01036903	0.000131304	0.000141386	7.84201E-05	0.085902713	1.92184E-06	0.000104109	0.000296649	0.001256969	9.27326E-05
2084 Feb	0.001047718	0.095985293	9.54975E-06	1.199103713	3.534865618	0.019958749	0.000556884	14.43410587	0.001416957	0.010373393	0.000131927	0.000141492	7.84771E-05	0.086081073	1.92223E-06	0.00010413	0.000298	0.001257413	9.26997E-05
2084 Mar	0.001049205	0.096200041	9.56034E-06	1.201251626	3.54066062	0.020052705	0.0005574	14.45018387	0.001419005	0.010386104	0.000132395	0.00014169	7.85862E-05	0.086263433	1.92436E-06	0.000104245	0.000299027	0.001258907	9.27744E-05
2084 Apr	0.00105826	0.097072743	9.64103E-06	1.211862564	3.571817875	0.020262856	0.00056206	14.57350159	0.001431302	0.010474429	0.000133699	0.000142921	7.92662E-05	0.087041922	1.9406E-06	0.000105128	0.000301948	0.001269599	9.35535E-05
2084 May	0.001164319	0.156013176	9.75941E-06	1.621476173	4.352556229	0.060710255	0.000417503	13.37368011	0.001668458	0.010870477	0.00050506	0.000198234	0.000107818	0.130068839	1.96108E-06	9.68909E-05	0.000749146	0.00152583	6.94895E-05
2084 Jun	0.001006271	0.165695012	9.31315E-06	1.5887748	3.737163782	0.071562797	0.000204534	8.810222626	0.001543922	0.009940105	0.000612802	0.000234419	0.000102702	0.128282726	1.86667E-06	7.2453E-05	0.000937043	0.001772738	3.05855E-05
2084 Jul	0.000993543	0.152313769	9.88588E-06	1.495278955	3.577153444	0.060415469	0.000215245	9.592083931	0.001542518	0.010113986	0.000515552	0.000245033	9.80549E-05	0.116166987	1.98267E-06	7.53229E-05	0.000834646	0.001864229	4.15146E-05
2084 Aug	0.001023489	0.14388369	1.02177E-05	1.479956746	3.707314014	0.054045659	0.00027178	11.25407982	0.001585227	0.010166598	0.000456872	0.000235653	0.000100169	0.112967715	2.05109E-06	8.12378E-05	0.000730539	0.001806471	5.70823E-05
2084 Sep	0.001026463	0.124927625	1.0048E-05	1.405817389	3.822839975	0.043041002	0.00037838	13.4726429	0.001582	0.009939169	0.000349076	0.000211214	9.87758E-05	0.105441593	2.02008E-06	9.01918E-05	0.000571323	0.001626456	7.93198E-05
2084 Oct	0.001048025	0.110653117	9.77833E-06	1.31693244	3.770271778	0.031883355	0.000486729	14.38991833	0.001518102	0.010228464	0.000241659	0.000176973	9.00746E-05	0.097326636	1.96749E-06	9.95804E-05	0.000439588	0.001433554	8.95088E-05
2084 Nov	0.00105532	0.106886245	9.71981E-06	1.294238567	3.75750494	0.028840141	0.000517184	14.64103317	0.00150187	0.010324931	0.000212252	0.000167582	8.77331E-05	0.095208079	1.95615E-06	0.000102262	0.000403797	0.001382427	9.22426E-05
2084 Dec	0.001060277	0.106893435	9.72496E-06	1.297895312	3.813428164	0.028954949	0.000521005	14.97460747	0.001515627	0.010330425	0.000213387	0.000170382	8.88085E-05	0.095634572	1.95757E-06	0.000103259	0.000404756	0.001385139	9.52116E-05
2085 Jan	0.001063569	0.106988564	9.72449E-06	1.300844908	3.852246046	0.029112566	0.000523183	15.19576168	0.001524983	0.010330856	0.000214525	0.000172299	8.95377E-05	0.095991276	1.95773E-06	0.000103888	0.000406141	0.00138666	9.71619E-05
2085 Feb	0.001064662	0.107172862	9.72631E-06	1.302612305	3.860566378	0.029237827	0.00052343	15.22706699	0.001527131	0.010334695	0.000215143	0.000172628	8.96767E-05	0.096176535	1.95813E-06	0.000103989	0.000407355	0.001387229	9.73906E-05
2085 Mar	0.001065388	0.107307121	9.7303E-06	1.303830624	3.863769293	0.029309021	0.000523577	15.23372746	0.001528161	0.010340053	0.000215484	0.000172729	8.97309E-05	0.096288778	1.95893E-06	0.000104033	0.000408091	0.001387851	9.74101E-05
2085 Apr	0.001070302	0.107837483	9.77371E-06	1.310035586	3.881880045	0.029473476	0.000525872	15.30161095	0.001535197	0.010386827	0.000216589	0.000173515	9.01402E-05	0.096759595	1.96767E-06	0.000104497	0.000410235	0.001394071	9.78301E-05
2085 May	0.001169397	0.159059331	9.81442E-06	1.659043193	4.548681259	0.064075939	0.000407085	14.20578384	0.00172909	0.010783432	0.00053522	0.000215952	0.000113714	0.133811727	1.97297E-06	9.78583E-05	0.000789454	0.001584743	7.63964E-05
2085 Jun	0.00112673	0.183547929	9.72889E-06	1.767648458	4.354157448	0.081498735	0.000252744	10.7338953	0.001712651	0.010629185	0.000699531	0.000244176	0.000116928	0.145586282	1.9513E-06	8.19339E-05	0.001021146	0.001792224	4.18507E-05
2085 Jul	0.001149555	0.176212564	1.02672E-05	1.72592032	4.400636673	0.074229859	0.00027244	12.12578011	0.001754841	0.01086988	0.000638651	0.000253743	0.000116972	0.139254421	2.06086E-06	8.6712E-05	0.000941807	0.001847556	5.63528E-05
2085 Aug	0.001102476	0.145411268	1.01877E-05	1.55359745	4.251683712	0.055772956	0.000349669	14.14702606	0.001698232	0.010165663	0.00047071	0.000225041	0.000111042	0.12094114	2.04816E-06	9.078E-05	0.000684683	0.001656102	8.04771E-05
2085 Sep	0.00107419	0.114262879	9.82181E-06	1.378586173	4.086997986	0.035987899	0.000492168	15.82743454	0.001601839	0.009994629	0.000279673	0.000183243	9.94012E-05	0.103549875	1.97764E-06	0.000101243	0.000448044	0.001410889	0.000100844
2085 Oct	0.001091171	0.10409423	9.62035E-06	1.311756134	4.142227173	0.028282559	0.000565461	17.08223343	0.001580806	0.01021826	0.000206527	0.00017148	9.47147E-05	0.097710893	1.93908E-06	0.000109526	0.000370266	0.001311722	0.000114014
2085 Nov	0.001095994	0.100328133	9.54365E-06	1.286023855	4.14776516	0.025410017	0.000591397	17.45756531	0.001569356	0.010297417	0.000179257	0.000166409	9.27048E-05	0.09543664	1.92427E-06	0.000112305	0.000341278	0.001274315	0.000118101
2085 Dec	0.001099657	0.100312039	9.54624E-06	1.288581848	4.190138817	0.025487714	0.000594292	17.71220589	0.001579689	0.010300638	0.000180039	0.000168545	9.3512E-05	0.095744148	1.92509E-06	0.000113063	0.000341938	0.001276245	0.000120379
2086 Jan	0.001100537	0.100462504	9.5471E-06	1.28998673	4.196767807	0.025589911	0.000594506	17.73657608	0.001581346	0.010303753	0.000180496	0.00016879	9.36134E-05	0.095894292	1.92529E-06	0.000113144	0.000342932	0.001276575	0.000120555
2086 Feb	0.001101254	0.100679092	9.54807E-06	1.291645169	4.200522423	0.025727829	0.000594352	17.73719597	0.001582353	0.010307193	0.000181106	0.000168877	9.3658E-05	0.096066356	1.92547E-06	0.000113151	0.000344288	0.001276893	0.000120502
2086 Mar	0.001102212	0.100845248	9.55317E-06	1.293197274	4.205088139	0.025816601	0.000594583	17.7490654	0.001583782	0.010313982	0.000181538	0.000169031	9.37371E-05	0.096209861	1.9265E-06	0.000113217	0.000345202	0.001277701	0.000120559
2086 Apr	0.001109149	0.101524219	9.6114E-06	1.301577926	4.232135773	0.026017128	0.000598162	17.8591423	0.00159379	0.010377578	0.000182839	0.000170103	9.43267E-05	0.096849695	1.93824E-06	0.000113912	0.000347727	0.001285564	0.000121294
2086 May	0.001158269	0.122473389	9.7899E-06	1.450299859	4.521943569	0.03954057	0.000555128	17.57530212	0.001687962	0.010670591	0.000306899	0.0001906	0.000104376	0.1119361	1.97297E-06	0.000112402	0.000500371	0.001391703	0.00011392
2086 Jun	0.000869892	0.130052119	9.42849E-06	1.30814898	3.056642056	0.048625145	0.000198281	8.51352787	0.001394248	0.009447318	0.000406055	0.000241118	8.46893E-05	0.098017514	1.89076E-06	6.98526E-05	0.000742933	0.001854426	3.8572E-05
2086 Jul	0.000839796	0.11291147	1.00546E-05	1.182137012	2.818995237	0.035010837	0.000201201	9.273826599	0.001380549	0.009568305	0.000287419	0.000256506	7.82546E-05	0.082275078	2.01757E-06	7.21373E-05	0.000624193	0.001976553	5.06917E-05
2086 Aug	0.000913158	0.107364789	1.02659E-05	1.206164956	3.25763607	0.030930547	0.000284519	12.43396378	0.001480914	0.009552508	0.000252015	0.000242572	8.65506E-05	0.084029876	2.06346E-06	8.20165E-05	0.000507165	0.001826686	7.8283E-05
2086 Sep	0.000952438	0.093634009	9.95146E-06	1.202239037	3.488959789	0.023655355	0.000436782	14.49643421	0.001484566	0.009427503	0.00017084	0.000192647	8.76431E-05	0.084007703	2.00288E-06	9.2929E-05	0.000352083	0.001522127	9.59184E-05
2086 Oct	0.001016672	0.092901498	9.88085E-06	1.22568965	3.924939871	0.022609299	0.000510798	17.09861565	0.001568438	0.009757722	0.000159006	0.000197529	9.28664E-05	0.087356515	1.99173E-06	0.000104551	0.000335112	0.001460789	0.000118601
2086 Nov	0.001028889	0.09318053	9.91265E-06	1.235731483	4.0392766	0.022881402	0.000519738	17.76021194	0.001597676	0.009796802	0.000161495	0.000202996	9.50656E-05	0.088399723	1.99885E-06	0.000106718	0.000337711	0.001468263	0.000124403
2086 Dec	0.001034394	0.093197659	9.9158E-06	1.239844203	4.103440285	0.023032535	0.000523905	18.14135742	0.001613314	0.009800483	0.000162994	0.000206228	9.63027E-05	0.088893339	1.99993E-06	0.000107837	0.000339005	0.001471172	0.000127808
2087 Jan	0.001035331	0.093291678	9.91649E-06	1.240983725	4.111675739	0.023103362	0.000524362	18.18093681	0.001615325	0.009803037	0.000163378	0.000206565	9.64446E-05	0.089018784	2.00011E-06	0.000107964	0.00033967	0.001471464	0.000128135
2087 Feb	0.001036121	0.093446679	9.92019E-06	1.242357492	4.115413666	0.023189802	0.000524491	18.18856812	0.001616469	0.009808409	0.000163787	0.00020668	9.65052E-05	0.08914911	2.00085E-06	0.00010801	0.000340549	0.001472067	0.000128158
2087 Mar	0.001037696	0.093635678	9.93328E-06	1.24448514	4.121890545	0.02326254	0.000525138	18.21208954	0.00161886	0.009822289	0.000164189	0.000206965	9.66428E-05	0.089318633	2.00349E-06	0.000108153	0.000341405	0.001474031	0.000128305
2087 Apr	0.001041027	0.093963102	9.96403E-06	1.248616338	4.135239601	0.02335858	0.000526737	18.26813698	0.001624016	0.009853239	0.000164803	0.000207613	9.69477E-05	0.089624718	2.00969E-06	0.000108488	0.000342695	0.001478607	0.000128689
2087 May	0.001096364	0.125107527	9.95944E-06	1.448934317	4.3572855	0.043343671	0.000457929	16.49503899	0.001690072	0.010211671	0.000347481	0.000218515	0.000106599	0.110860631	2.00572E-06	0.00010268	0.000562551	0.001560975	0.000105478
2087 Jun	0.001044389	0.16796574	9.67552E-06	1.631803632	3.911688089	0.071900748	0.000228816	9.71247673	0.001608485	0.010255882	0.000613935	0.000241639	0.000106767	0.131260574	1.94004E-06	7.69129E-05	0.000939546	0.001817811	3.76536E-05
2087 Jul	0.001038723	0.151450828	1.00842E-05	1.511743665	3.819909811	0.058856729	0.000248421	11.24600697	0.001605244	0.010231443	0.00050428	0.00024496	0.000102544	0.11735557	2.02418E-06	8.07149E-05	0.000790901	0.001825722	5.61139E-05

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.001091426	0.149030402	1.05585E-05	1.529705763	4.063268661	0.055452175	0.000290891	13.14785004	0.001687268	0.010509633	0.000475139	0.000249124	0.000107321	0.117424712	2.12126E-06	8.7716E-05	0.000732662	0.001832067	7.30041E-05
2087 Sep	0.001138726	0.140930787	1.06117E-05	1.524842024	4.448093891	0.050280154	0.000382121	16.1086731	0.001768609	0.0107003	0.0004229	0.000251337	0.000111916	0.116864085	2.13546E-06	0.000100019	0.000663717	0.001768104	0.000100163
2087 Oct	0.001155612	0.129721686	1.03633E-05	1.472736359	4.633615494	0.043444023	0.000462396	18.12194252	0.001779093	0.010707309	0.000356501	0.000241946	0.000111121	0.112609915	2.08837E-06	0.000109057	0.000578911	0.001649789	0.000119952
2087 Nov	0.001152344	0.125365883	1.02714E-05	1.444888592	4.573330879	0.040400632	0.000486743	18.1159935	0.001751153	0.01072246	0.000326748	0.000231174	0.000108194	0.109979518	2.07005E-06	0.000110433	0.000542507	0.001597299	0.000120548
2087 Dec	0.001160461	0.125279456	1.0272E-05	1.45052731	4.673611164	0.040594298	0.000493264	18.7210083	0.001775344	0.010721961	0.000328717	0.000236247	0.000110118	0.110686287	2.07089E-06	0.000112177	0.000543985	0.001601226	0.000125989
2088 Jan	0.001162488	0.125370547	1.02728E-05	1.452511787	4.695282936	0.040698413	0.000494584	18.84048843	0.0017806	0.010724276	0.00032933	0.000237248	0.000110513	0.110915162	2.07118E-06	0.000112533	0.000544896	0.001602003	0.000127032
2088 Feb	0.001163143	0.125530005	1.02737E-05	1.453831911	4.699102402	0.040800732	0.000494603	18.84707642	0.001781592	0.010727239	0.00032976	0.000237341	0.000110562	0.111052155	2.07136E-06	0.00011256	0.000545878	0.001602203	0.000127046
2088 Mar	0.00116498	0.12578167	1.02877E-05	1.456424475	4.706764698	0.040908501	0.000495227	18.87190819	0.001784329	0.010742954	0.000330412	0.000237672	0.000110723	0.111268163	2.07418E-06	0.000112713	0.000547117	0.001604389	0.000127189
2088 Apr	0.001178976	0.127366528	1.04081E-05	1.474331021	4.763673306	0.041460074	0.000500961	19.09198952	0.001805665	0.010870283	0.000334565	0.000240469	0.000112035	0.112661265	2.09846E-06	0.000114034	0.000554211	0.001623184	0.000128639
2088 May	0.001220955	0.134824648	1.06569E-05	1.543308735	4.956021786	0.045364168	0.000509786	19.56061172	0.00186852	0.011186221	0.000357366	0.000247793	0.000115806	0.118935749	2.14847E-06	0.000116849	0.000595899	0.001665534	0.000130631
2088 Jun	0.000774221	0.098966107	9.78042E-06	1.072051167	2.480027199	0.027037604	0.000210397	8.470830917	0.001279186	0.009265793	0.000208765	0.00024409	6.86632E-05	0.071480334	1.96225E-06	6.98501E-05	0.000552852	0.001932901	4.71421E-05
2088 Jul	0.000765098	0.09551201	1.03189E-05	1.047038794	2.388468027	0.023178965	0.000194613	8.580077171	0.001302145	0.009525063	0.000176146	0.000265441	6.75906E-05	0.066599041	2.0703E-06	7.05839E-05	0.000546056	0.002090526	4.98458E-05
2088 Aug	0.000854855	0.100791529	1.10301E-05	1.144793272	2.862701654	0.024573684	0.000248766	11.06610107	0.001459425	0.010121528	0.000186423	0.000282713	7.84089E-05	0.073996663	2.21512E-06	8.10418E-05	0.000549224	0.002166595	6.96275E-05
2088 Sep	0.000922353	0.099994086	1.10655E-05	1.196568608	3.410085917	0.024756406	0.000324195	14.26410294	0.001582364	0.0102395	0.000185181	0.000288567	8.84021E-05	0.079557799	2.22577E-06	9.23833E-05	0.000520634	0.002098029	9.70515E-05
2088 Oct	0.000972386	0.094116881	1.02569E-05	1.170588493	3.368783474	0.019723421	0.000455537	14.04016495	0.001468227	0.010353692	0.000131846	0.000209303	8.00132E-05	0.080006287	2.06354E-06	9.8811E-05	0.000390647	0.001665431	9.31448E-05
2088 Nov	0.000985608	0.093368664	1.01386E-05	1.169184804	3.340385914	0.018644128	0.0004843	13.8420887	0.001442399	0.010437146	0.000120028	0.000191304	7.78941E-05	0.080263808	2.03957E-06	0.000100113	0.000363812	0.001579192	9.07722E-05
2088 Dec	0.000991575	0.093395792	1.01427E-05	1.173720837	3.408568144	0.018806562	0.000488841	14.24595356	0.001459031	0.010441646	0.000121628	0.000194657	7.92121E-05	0.08080101	2.04085E-06	0.000101305	0.000365078	0.001582017	9.43794E-05
2089 Jan	0.000992412	0.093529128	1.01435E-05	1.175004125	3.414193392	0.018893769	0.000489128	14.26577663	0.001460408	0.01044481	0.000122042	0.000194796	7.92998E-05	0.080936745	2.04103E-06	0.000101378	0.000365842	0.00158202	9.45165E-05
2089 Feb	0.000993193	0.093718924	1.01457E-05	1.176562071	3.417990446	0.019008212	0.000489141	14.26966	0.001461478	0.010449281	0.000122568	0.000194876	7.93532E-05	0.081092536	2.04148E-06	0.000101405	0.000366952	0.001582378	9.44972E-05
2089 Mar	0.000995157	0.093966834	1.01626E-05	1.179229259	3.42540288	0.01910007	0.000489907	14.29421616	0.001464333	0.010467824	0.000123045	0.000195224	7.9506E-05	0.081302993	2.04487E-06	0.000101577	0.000368124	0.001585015	9.46363E-05
2089 Apr	0.001002735	0.094727129	1.02377E-05	1.188452721	3.451948166	0.019284228	0.000493493	14.40041733	0.001475458	0.010546036	0.00012415	0.000196683	8.01085E-05	0.081957877	2.05998E-06	0.00010233	0.000371246	0.001596736	9.53226E-05
2089 May	0.001085063	0.134810865	1.01632E-05	1.465000153	3.923032045	0.046246614	0.000413991	13.14328194	0.001601107	0.010817167	0.000370721	0.000212986	9.71387E-05	0.111577004	2.04232E-06	9.64188E-05	0.00064632	0.00166855	7.41919E-05
2089 Jun	0.001097484	0.180461928	9.83189E-06	1.730526686	4.120276451	0.078928649	0.000233587	9.7322235511	0.001667283	0.01063629	0.000676118	0.000243975	0.000112193	0.141076967	1.97085E-06	7.88418E-05	0.001011014	0.001838248	3.4322E-05
2089 Jul	0.00111063	0.164378777	1.02488E-05	1.626670361	4.226073265	0.066575311	0.00026626	12.3971653	0.001711526	0.010613269	0.000573322	0.000255252	0.000111933	0.129048064	2.05793E-06	8.58692E-05	0.000864558	0.001845958	6.27698E-05
2089 Aug	0.001151961	0.153491229	1.06181E-05	1.577449322	4.457080364	0.057780687	0.000316353	15.15780449	0.001778027	0.010639587	0.000500549	0.000256105	0.00011496	0.122801416	2.13532E-06	9.38417E-05	0.000732513	0.001794246	8.98295E-05
2089 Sep	0.001179791	0.13868545	1.04581E-05	1.528347015	4.797418594	0.049178272	0.000426908	18.37767982	0.0018308	0.010664522	0.000415302	0.000252351	0.000117026	0.118405409	2.10734E-06	0.000107187	0.000626053	0.001680038	0.000120841
2089 Oct	0.001127263	0.111383811	9.81934E-06	1.339675903	4.266868591	0.03084369	0.000548835	17.41317368	0.001623051	0.010603338	0.000235437	0.000187651	9.66314E-05	0.100525588	1.97905E-06	0.000111578	0.000418126	0.001387202	0.000116802
2089 Nov	0.001130392	0.10937047	9.81271E-06	1.330391407	4.263707638	0.02930985	0.000565041	17.56177521	0.001617956	0.010655737	0.000220063	0.00018373	9.56781E-05	0.099541016	1.97793E-06	0.000113028	0.000400941	0.001367869	0.000118367
2089 Dec	0.001135603	0.109387413	9.81893E-06	1.334352732	4.322667599	0.029438114	0.00056901	17.91260338	0.001632545	0.010661609	0.00022132	0.000186714	9.68198E-05	0.099997602	1.97958E-06	0.000114074	0.000402055	0.001370989	0.000121508
2090 Jan	0.001136997	0.109515838	9.82201E-06	1.336049199	4.334580421	0.029531049	0.000569707	17.97119522	0.001635611	0.010666274	0.000221817	0.000187239	9.70345E-05	0.100174122	1.98026E-06	0.000114265	0.00040295	0.001371788	0.000121996
2090 Feb	0.00113792	0.109706536	9.82596E-06	1.337713957	4.339097977	0.029640529	0.000569825	17.97987747	0.001636967	0.010672251	0.000222326	0.000187376	9.71056E-05	0.100334331	1.98105E-06	0.000114315	0.000404053	0.001372461	0.000122018
2090 Mar	0.001139642	0.109926611	9.83851E-06	1.340047956	4.346333027	0.029732078	0.000570503	18.00470924	0.001639481	0.010686794	0.000222843	0.000187659	9.72507E-05	0.100529216	1.98358E-06	0.000114466	0.000405087	0.001374288	0.000122169
2090 Apr	0.001144873	0.110464193	9.88252E-06	1.346385837	4.366494179	0.029895214	0.000573011	18.08481979	0.001646997	0.010735129	0.000223967	0.00018851	9.76929E-05	0.101015292	1.99245E-06	0.000114977	0.00040719	0.001380466	0.0001227
2090 May	0.001185751	0.119651571	1.00085E-05	1.427384019	4.693692207	0.03614473	0.000570391	19.15269852	0.001739278	0.010904798	0.000281041	0.000206959	0.000106009	0.109272495	2.0186E-06	0.00011807	0.000476022	0.001438048	0.000130048
2090 Jun	0.000917629	0.132939458	9.4854E-06	1.355993867	3.522439003	0.051161185	0.000224858	11.02191448	0.001509695	0.009541708	0.000430145	0.000262789	9.4058E-05	0.103337236	1.90492E-06	7.74387E-05	0.000765757	0.001876766	6.05471E-05
2090 Jul	0.000886884	0.118851148	1.0043E-05	1.249143362	3.245408297	0.039666492	0.000222684	11.17169476	0.001482197	0.00967285	0.000329311	0.000272683	8.72663E-05	0.089755282	2.01718E-06	7.81257E-05	0.000667911	0.001985372	6.62963E-05
2090 Aug	0.000897886	0.095591396	9.89982E-06	1.195065022	3.209695339	0.026430516	0.000368286	12.63623238	0.001430404	0.008999826	0.000198731	0.000191876	8.57402E-05	0.083031319	1.99031E-06	8.28463E-05	0.00037979	0.001563008	7.99491E-05
2090 Sep	0.000965361	0.089271761	9.66109E-06	1.186897397	3.44335866	0.020605868	0.000497732	14.36988354	0.00143502	0.009475956	0.000137148	0.000160264	8.36706E-05	0.083320215	1.94448E-06	9.5885E-05	0.000292713	0.001356673	9.48061E-05
2090 Oct	0.001009413	0.088568985	9.47534E-06	1.156878948	3.198172808	0.015440502	0.000577872	12.91951466	0.001326814	0.010278336	8.42714E-05	0.000115312	7.1093E-05	0.081100047	1.9055E-06	0.000101144	0.000244162	0.001193176	8.07109E-05
2090 Nov	0.001015266	0.08813794	9.41791E-06	1.151539326	3.201525927	0.014817264	0.000589084	12.9650383	0.001319322	0.010345074	7.81503E-05	0.000111464	7.01094E-05	0.080857441	1.89406E-06	0.000102262	0.000237818	0.001169725	8.11226E-05
2090 Dec	0.001022517	0.088172339	9.42345E-06	1.157073379	3.286446095	0.015025416	0.00059444	13.46903706	0.001340168	0.010349817	8.02192E-05	0.000115817	7.17594E-05	0.081514306	1.89576E-06	0.000103733	0.000239662	0.001174056	8.56507E-05
2091 Jan	0.00102566	0.088332154	9.42467E-06	1.160257101	3.321659565	0.015208571	0.000596258	13.66291618	0.001348796	0.010352032	8.15008E-05	0.000117567	7.24255E-05	0.08188346	1.89622E-06	0.000104287	0.000241368	0.001175823	8.73557E-05
2091 Feb	0.001027033	0.088548675	9.42564E-06	1.162420154	3.333914757	0.015369655	0.000596571	13.71421623	0.001351871	0.010354993	8.23632E-05	0.000118105	7.26395E-05	0.08211863	1.89647E-06	0.000104434	0.000242925	0.001176567	8.77604E-05
2091 Mar	0.001029667	0.088855766	9.44614E-06	1.165849447	3.343955755	0.015481209	0.000597789	13.74902916	0.001355513	0.01037868	8.29159E-05	0.000118455	7.28377E-05	0.082394093	1.90059E-06	0.000104673	0.000244213	0.001179293	8.79663E-05
2091 Apr	0.001038723	0.089686245	9.52742E-06	1.176373839	3.373893499	0.015658192	0.000602861	13.86757565	0.001367475	0.010468679	8.38328E-05	0.000119504	7.3479E-05	0.083155513	1.91695E-06	0.000105573	0.000246742	0.001189516	8.87081E-05
2091 May	0.001097271	0.115310922	9.72815E-06	1.358709455	3.748481512	0.032479644	0.000546897	13.63856411	0.001487548	0.010772682	0.000238687	0.000146233	8.64411E-05	0.101750128	1.95606E-06	0.000103539	0.000434565	0.001319908	8.07461E-05
2091 Jun	0.001027901	0.165111184	9.5883E-06	1.601072669	3.793429136	0.069982983	0.000227277	9.27712059	0.001572735	0.010211476	0.000596347	0.000236954	0.000103466	0.12836723	1.92215E-06	7.58212E-05	0.00092448	0.00180397	3.48293E-05
2091 Jul	0.001052356	0.159957588	1.03309E-05	1.586839795	3.913194418	0.064296395	0.000244761	10.8901968	0.001654915	0.010656673	0.000545753	0.000264993	0.000105761	0.123965554	2.07279E-06	8.23696E-05	0.000892481	0.001967939	5.11096E-05
2091 Aug	0.001029098	0.131151348	1.02205E-05	1.452789307	3.899698496	0.047555625	0.000347088	13.38014984	0.001623834	0.009943948	0.000390931	0.000226786	0.000103076	0.10962107	2.05418E-06	8.83003E-05	0.000628074	0.001713347	7.81157E-05
2091 Sep	0.001026324	0.107304059	1.00076E-05	1.36209929	4.06334877	0.034342438	0.000471073	16.27651596	0.001628214	0.009532372	0.000261934	0.000199395	0.000102665	0.100382164	2.01536E-06	9.85612E-05	0.000430472	0.001496241	0.000107423
2091 Oct	0.001058104	0.099320032	9.69995E-06	1.296430111	4.116791725	0.027097102	0.000551257	17.33212662	0.001592159	0.00989793	0.000194198	0.000180948	9.64201E-05	0.095369302	1.95525E-06	0.000107612	0.000357396	0.001359178	0.000118425
2091 Nov	0.001057797	0.095171407	9.56211E-06	1.246801019	3.873757601	0.022302808	0.000582734	16.27500153	0.001507432	0.010158055	0.000148555	0.000155876	8.75455E-05	0.090730853	1.92654E-06	0.000108384	0.000310446	0.001272244	0.000109559
2091 Dec	0.001063095	0.095102824	9.56727E-06	1.249334216	3.921443224	0.022273296	0.00058767	16.56794739	0.001518619	0.01017732	0.000148288	0.000157841	8.83301E-05	0.091037773	1.92791E-06	0.000109419	0.000310095	0.001272732	0.000112194
2092 Jan	0.001068678	0.095260613	9.56743E-06	1.254305363	3.987585306	0.022537177	0.000591306	16.94597816	0.001534653	0.010178306	0.000150312	0.000161177	8.95868E-05	0.091636643	1.92838E-06	0.000110491	0.000312485	0.0012757	0.000115566
2092 Feb	0.001070846	0.095527016	9.57031E-06	1.257296801	4.007031918	0.022736806	0.000592078	17.03563881	0.001539578	0.010183768	0.000151418	0.000162055	8.99354E-05	0.091958262	1.92905E-06	0.000110762	0.00031442	0.001276958	0.000116302
2092 Mar	0.001073992	0.095902182	9.59477E-06	1.261491179	4.019660473	0.022881197	0.000593472	17.08009911	0.001544114	0.010211342	0.000152194	0.000162528	9.01932E-05	0.092298001	1.93397E-06	0.000111047	0.000316065	0.001280349	0.000116573
2092 Apr	0.001081861	0.096659102	9.66313E-06	1.271020293	4.049468517	0.023092235	0.000597623	17.20127869	0.001555411	0.010284974	0.000153492	0.000163709	9.08481E-05	0.093013175	1.94775E-06	0.000111836	0.000318786	0.001289536	0.000117379
2092 May	0.001149296	0.124780476	9.81601E-06	1.469284654	4.505095959	0.041687354	0.000539424	17.20534897	0.001692189	0.010610824	0.000325184	0.000194452	0.0001055	0.113638155	1.9775E-06	0.000110441	0.000527022	0.001423492	0.000111026
2092 Jun	0.000894007	0.138724998	9.2214E-06	1.371998549	3.27093935	0.055311661	0.000190589	8.818541527	0.001433029	0.009380547	0.000467671	0.000242962	9.02417E-05	0.105786078	1.84933E-06	6.98082E-05	0.000799947	0.001821238	3.93339E-05
2092 Jul	0.000838799	0.112795621	9.67607E-06	1.181641698	3.009001255	0.036986813	0.000202267	10.27260113	0.001400932	0.009242344	0.000307448	0.000259848	8.18278E-05	0.084120087	1.94296E-06	7.31059E-05	0.000630934	0.001914111	6.03007E-05
2092 Aug	0.000930971	0.113278024	1.01708E-05	1.262977242	3.678055048	0.036931157	0.000280664	14.26173496	0.001587866	0.009578978	0.000304646	0.000279272	9.58067E-05	0.090855286	2.04632E-06	8.69816E-05	0.000601775	0.001929833	9.46598E-05
2092 Sep	0.001034099	0.105110273	1.01009E-05	1.315544486	4.731888771	0.034340303	0.000424617	21.03285599	0.001818931	0.009544058	0.000275876	0.000297774	0.000114449	0.097257577	2.04013E-06	0.00010917	0.00052099	0.001800672	0.00015542
2092 Oct	0.001108216	0.101144969	9.93313E-06	1.331832647	5.306106091	0.031885404	0.000523722	24.69892883	0.001924951	0.009768118	0.000250931	0.000300913	0.000121712	0.100343376	2.01079E-06	0.000123876	0.000473682	0.001687976	0.000188271
2092 Nov	0.001135628	0.10023997	9.90243E-06	1.343022823	5.55185461	0.031539574	0.000554833	26.21896744	0.001976913	0.009833163	0.000247333	0.000307017	0.000125537	0.101931818	2.0064E-06	0.000129318	0.000464324	0.001665951	0.000201911
2092 Dec	0.001139044	0.100287467	9.90927E-06	1.345689416	5.585384369	0.031609546	0.000557453	26.41542053	0.001985314	0.009841904	0.000247983	0.000308587	0.000126177	0.102219529	2.00799E-06	0.000129947	0.00046489	0.001667638	0.000203659
2093 Jan	0.001141334	0.100390248	9.90942E-06	1.347892761	5.610129833	0.031729162	0.000558922	26.55200386	0.001991264	0.009843948	0.000248771	0.000309725	0.000126633	0.102478154	2.00817E-06	0.000130349	0.000465914	0.001668395	0.000204862
2093 Feb	0.00114275	0.100565933	9.91206E-06	1.349847674	5.621842861	0.031853151	0.000559455	26.60461235	0.001994271	0.009848524	0.000249441	0.000310224	0.000126841	0.102683403	2.00876E-06	0.000130517	0.000467104	0.001669163	0.000205287
2093 Mar	0.001148641	0.10101632	9.94873E-06	1.35649395	5.661520481	0.03206671	0.000562526	26.80739403	0.00200622	0.009885648	0.000251023	0.000312288	0.000127665	0.103258274	2.01631E-06	0.000131297	0.000469688	0.001676103	0.000206968
2093 Apr	0.00115776	0.101830922	1.00244E-05	1.367334843	5.708241463	0.032347944	0.000566951	27.02830505	0.002022363	0.009961396	0.000253133	0.000314817	0.0001287	0.104102612	2.03165E-06	0.000132345	0.000473603	0.001688967	0.000208683
2093 May	0.001214194	0.129522771	1.01066E-05	1.552641511	5.876690388	0.049586821	0.000515691	25.27343178	0.002076985	0.01035727	0.000409562	0.000317765	0.000136772	0.123216376	2.04517E-06	0.000127399	0.000656147	0.001747156	0.000185822
2093 Jun	0.001002154	0.156915054	9.5145E-06	1.544176221	3.887918472	0.066240035	0.000222432	10.69711113	0.001597369	0.009917284	0.000565142	0.000256857	0.000104843	0.123001315	1.90939E-06	7.77739E-05	0.000896864	0.001844963	5.06653E-05
2093 Jul	0.000994331	0.143692493	1.00578E-05	1.450019836	3.736793995	0.055036858	0.000234906	11.52923489	0.001593615	0.010069222	0.000468617	0.00026371	0.000100233	0.111002021	2.01952E-06	8.06152E-05	0.000785465	0.001911347	6.20795E-05
2093 Aug	0.001055509	0.138424203	1.04271E-05	1.462745547	4.140919685	0.050710347	0.000297312	14.59925938	0.001704528	0.010207031	0.000431377	0.000269429	0.000107781	0.111088648	2.09695E-06	9.05367E-05	0.000703308	0.00187609	9.0082E-05
2093 Sep	0.001097217	0.12579833	1.02708E-05	1.429242134	4.482051849	0.042951278	0.000412864	17.61224365	0.001753181	0.010286245	0.000354073	0.000256899	0.000109901	0.108303562	2.06935E-06	0.000103652	0.000592329	0.001724467	0.00011852
2093 Oct	0.001074907	0.103472516	9.6535E-06	1.271878242	3.96530056	0.026454313	0.000543178	16.28001595	0.001541295	0.010399394	0.000192579	0.000178291	8.95452E-05	0.093704991	1.9447E-06	0.000108083	0.000384648	0.001374096	0.000109389
2093 Nov	0.00107756	0.098525189	9.58693E-06	1.240780473	3.837123156	0.022207111	0.000582034	15.91156197	0.001492916	0.010537368	0.000150306	0.000157443	8.44068E-05	0.090511553	1.931E-06	0.000109883	0.000332033	0.001292693	0.000106457
2093 Dec	0.001081621	0.098562576	9.59486E-06	1.243920088	3.878762722	0.022289801	0.000585158	16.1575985	0.001503368	0.010546382	0.000151086	0.000159466	8.52068E-05	0.090853326	1.93287E-06	0.000110654	0.000332732	0.001294992	0.000108658
2094 Jan	0.001084919	0.098718479	9.59654E-06	1.24721241	3.915309906	0.0224714	0.000587143	16.35969734	0.00151233	0.010549097	0.000152332	0.000161257	8.58961E-05	0.091232829	1.93344E-06	0.000111237	0.000334389	0.001296754	0.000110443
2094 Feb	0.001086428	0.098943539	9.59825E-06	1.24952364	3.928361893	0.022636	0.000587552	16.41498947	0.001515636	0.010552914	0.000153199	0.00016182	8.61242E-05	0.091480821	1.93383E-06	0.000111402	0.000335972	0.001297566	0.000110881
2094 Mar	0.001088912	0.099249229	9.61681E-06	1.252831936	3.938442945	0.022756908	0.000588606	16.44984436	0.001519192	0.010574533	0.000153846	0.000162203	8.63238E-05	0.091753058	1.93757E-06	0.000111625	0.000337364	0.001300197	0.000111093
2094 Apr	0.00109477	0.099831223	9.66685E-06	1.259841204	3.960016251	0.022918662	0.000591601	16.53516769	0.001527371	0.010630257	0.000154839	0.000163068	8.67851E-05	0.092282549	1.94765E-06	0.000112204	0.000339537	0.001307016	0.000111651
2094 May	0.001163292	0.137934044	9.69439E-06	1.523754001	4.5188241	0.049495727	0.000493468	16.09130096	0.001691658	0.01079443	0.000400456	0.000202157	0.000106566	0.120329201	1.95154E-06	0.000106939	0.000629396	0.001468888	9.90565E-05
2094 Jun	0.001154523	0.182660192	9.81619E-06	1.781489611	4.670821667	0.081307739	0.000275623	12.75484753	0.001794829	0.010709757	0.000698341	0.00026361	0.000122754	0.147084877	1.97103E-06	8.82667E-05	0.001024164	0.001827689	6.09874E-05

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.001193624	0.177296579	1.05329E-05	1.768633366	4.875590324	0.075321712	0.00030208	14.92601013	0.001891236	0.011119511	0.00064733	0.000288597	0.000126475	0.143112332	2.11709E-06	9.61302E-05	0.000973043	0.00195175	8.22867E-05
2094 Aug	0.001312592	0.180353194	1.12546E-05	1.868073225	5.748960972	0.076075025	0.000377384	20.0932827	0.002145163	0.011675361	0.000655232	0.000329742	0.000144537	0.15130794	2.26718E-06	0.000113765	0.000968734	0.002050069	0.000127463
2094 Sep	0.001291731	0.154171303	1.08265E-05	1.713341355	5.69743824	0.059863199	0.000490487	22.06476212	0.002076571	0.011399369	0.000502206	0.000298511	0.00013631	0.136716336	2.18446E-06	0.00012289	0.000767363	0.001824376	0.000150247
2094 Oct	0.001236787	0.126656875	1.01786E-05	1.515351772	5.320754528	0.042345863	0.000582098	22.20863914	0.001912542	0.011034301	0.000338114	0.000250504	0.000120499	0.118368499	2.05577E-06	0.000126577	0.000557502	0.001556788	0.000157211
2094 Nov	0.001186653	0.10858117	9.7713E-06	1.374216914	4.871561527	0.030180138	0.000632791	21.10521698	0.001756543	0.010826295	0.00022359	0.000207973	0.000106101	0.104827389	1.97349E-06	0.000125852	0.000413703	0.001371734	0.000150879
2094 Dec	0.001186506	0.107752062	9.75335E-06	1.369371176	4.87762022	0.029688584	0.000636704	21.21363258	0.001755893	0.010816588	0.000219007	0.000207411	0.000105962	0.104405567	1.97004E-06	0.00012627	0.000407683	0.001364559	0.000152031
2095 Jan	0.00119118	0.107917659	9.755E-06	1.373757482	4.931257725	0.029920818	0.000639675	21.51647758	0.001768994	0.010818871	0.00022066	0.000210078	0.000106977	0.104920149	1.97072E-06	0.000127136	0.000409767	0.00136706	0.00015473
2095 Feb	0.001192659	0.108184993	9.75718E-06	1.376264215	4.942687035	0.030104931	0.000639932	21.55794144	0.001771941	0.010823656	0.000221564	0.000210534	0.000107167	0.105184168	1.97119E-06	0.000127264	0.000411548	0.001367849	0.000155031
2095 Mar	0.001195021	0.108442917	9.76857E-06	1.379299045	4.957999229	0.030246457	0.000640971	21.62648392	0.001776348	0.010837449	0.000222386	0.000211206	0.000107459	0.105466768	1.97354E-06	0.000127533	0.000413031	0.001369889	0.00015557
2095 Apr	0.001203093	0.109231107	9.83266E-06	1.388927341	4.991868973	0.030495806	0.000645102	21.76852417	0.001788343	0.010909365	0.000224065	0.000212621	0.000108179	0.106220245	1.98648E-06	0.000128369	0.00041623	0.001378942	0.000156572
2095 May	0.001230703	0.151452065	9.82017E-06	1.646401405	5.079444408	0.058942042	0.000497408	18.1078305	0.00184084	0.011028336	0.000486678	0.00023046	0.000120023	0.133204594	1.97856E-06	0.000112875	0.000729974	0.00153792	0.000114029
2095 Jun	0.001215513	0.191426963	1.00107E-05	1.866941333	4.899796963	0.085620567	0.000306058	13.23984051	0.001855052	0.011114112	0.000734754	0.000259133	0.000127724	0.155270666	2.01006E-06	9.24621E-05	0.00105543	0.001809507	6.22023E-05
2095 Jul	0.001259067	0.189282417	1.07098E-05	1.867653608	4.991444111	0.080944881	0.000325518	14.42281914	0.001919113	0.011560696	0.000696417	0.000269502	0.000129537	0.152664691	2.15132E-06	9.75705E-05	0.001004434	0.001890543	7.3474E-05
2095 Aug	0.001167655	0.15297915	1.04298E-05	1.626134634	4.571342945	0.059207302	0.000375858	15.41074562	0.001784894	0.010567044	0.000502337	0.000232391	0.000117491	0.127917588	2.0975E-06	9.66613E-05	0.000713479	0.001669653	9.06759E-05
2095 Sep	0.001145769	0.129867569	1.03135E-05	1.533993602	4.726410866	0.047097046	0.000470223	18.25888252	0.001805626	0.010108903	0.000384154	0.000223781	0.000118194	0.118165672	2.07802E-06	0.0001054	0.000552168	0.001551434	0.000120386
2095 Oct	0.001190118	0.124668412	1.02302E-05	1.52816844	5.21642971	0.044392332	0.000533129	21.6566925	0.001908963	0.010209521	0.000359149	0.000243034	0.000124968	0.118610546	2.0654E-06	0.000117307	0.000524348	0.001529683	0.000152263
2095 Nov	0.001178277	0.114803441	1.00002E-05	1.446454644	5.019022465	0.036802862	0.00057948	21.3706398	0.001828855	0.010335587	0.000287126	0.00022187	0.000116061	0.111017518	2.01932E-06	0.000120157	0.000450005	0.001432331	0.000151764
2095 Dec	0.001178781	0.113670066	9.98093E-06	1.438204885	5.009894848	0.035910007	0.000586509	21.42030525	0.001823178	0.01036107	0.000278611	0.000219989	0.000115265	0.110248677	2.01556E-06	0.000120814	0.00044131	0.001421972	0.00015244
2096 Jan	0.001183624	0.113839239	9.98171E-06	1.442639351	5.064974308	0.036144592	0.000589654	21.73118591	0.001836527	0.010364247	0.000280208	0.000222703	0.000116288	0.110774919	2.01607E-06	0.000121715	0.000443464	0.001424358	0.000155213
2096 Feb	0.001185884	0.114182077	9.98783E-06	1.446073651	5.08125639	0.036366299	0.000590302	21.79513931	0.001840878	0.010374043	0.000281328	0.000223371	0.000116569	0.111123681	2.01736E-06	0.000121937	0.000445663	0.001425819	0.000155695
2096 Mar	0.001187837	0.114476897	1.00005E-05	1.449010968	5.089961052	0.036508996	0.000590918	21.82095337	0.00184378	0.010389244	0.000282081	0.000223688	0.000116735	0.111381635	2.01991E-06	0.000122089	0.000447174	0.001427726	0.000155835
2096 Apr	0.001195378	0.115264229	1.0062E-05	1.458524942	5.122395515	0.036787115	0.000594468	21.95338058	0.0018554	0.010454222	0.000284033	0.000225075	0.000117461	0.112130709	2.03232E-06	0.000122835	0.000450449	0.001436549	0.000156755
2096 May	0.001256973	0.137890503	1.00993E-05	1.62290144	5.626615047	0.052376062	0.000555367	22.73971939	0.001992969	0.010687564	0.000428034	0.000257063	0.000131608	0.129795387	2.04003E-06	0.000123973	0.000627048	0.00154412	0.000158824
2096 Jun	0.000802759	0.112641364	9.28597E-06	1.17245245	2.901540518	0.038960554	0.000190563	9.371943474	0.001353711	0.008984859	0.000321199	0.00025488	7.96338E-05	0.084513247	1.86385E-06	6.97698E-05	0.000660964	0.001885017	5.24933E-05
2096 Jul	0.000808413	0.104065664	9.92932E-06	1.120922089	2.867648363	0.030943906	0.000201824	10.4187851	0.001389745	0.009294547	0.000251143	0.000273006	7.82526E-05	0.076559357	1.99407E-06	7.39866E-05	0.000597446	0.002009573	6.4738E-05
2096 Aug	0.000894951	0.106738947	1.05071E-05	1.209151983	3.392736673	0.031544685	0.000268389	13.36267853	0.001548461	0.009737511	0.000253458	0.000286835	8.97851E-05	0.083476581	2.11272E-06	8.53325E-05	0.000580914	0.002042162	8.92543E-05
2096 Sep	0.000965873	0.09909337	1.01791E-05	1.215787411	3.693706989	0.026169743	0.000410001	15.4764452	0.00156109	0.009902677	0.000195796	0.000241241	9.06227E-05	0.085371859	2.04936E-06	9.75427E-05	0.000455785	0.001743734	0.000106975
2096 Oct	0.001038651	0.092605673	9.70367E-06	1.195874572	3.736027241	0.019215394	0.000559432	15.96866894	0.001488072	0.010372072	0.000123464	0.000173861	8.31004E-05	0.085205317	1.95462E-06	0.000108335	0.00032413	0.001384529	0.000109749
2096 Nov	0.001050344	0.092296541	9.69969E-06	1.196942925	3.702517748	0.018208731	0.000580014	15.76243496	0.001472134	0.010505133	0.000112559	0.000162354	8.13532E-05	0.085251629	1.95353E-06	0.000109462	0.00030654	0.001340724	0.000107413
2096 Dec	0.001053975	0.092306614	9.70204E-06	1.1996696	3.744488001	0.018306095	0.000582783	16.01174927	0.001482369	0.010507571	0.000113523	0.000164438	8.21638E-05	0.085576594	1.95428E-06	0.000110195	0.000307315	0.001342516	0.00010967
2097 Jan	0.001056256	0.092438459	9.70234E-06	1.202064395	3.769638777	0.018449163	0.000584081	16.14804077	0.00148848	0.010509046	0.000114473	0.000165641	8.26338E-05	0.085854977	1.95449E-06	0.000110585	0.000308601	0.001343553	0.000110872
2097 Feb	0.001057137	0.092624106	9.70278E-06	1.203697562	3.776477814	0.018579038	0.000584143	16.16995811	0.001490196	0.010511409	0.000115116	0.000165894	8.27441E-05	0.086030565	1.9546E-06	0.000110648	0.000309841	0.001343904	0.00011102
2097 Mar	0.001058664	0.092830665	9.71398E-06	1.205839276	3.782592058	0.018666329	0.000584726	16.18889999	0.001492359	0.010524641	0.00011555	0.000166122	8.2861E-05	0.086209878	1.95686E-06	0.000110775	0.000310829	0.001345528	0.000111124
2097 Apr	0.001067275	0.093627982	9.79142E-06	1.215881824	3.813704967	0.018852856	0.000589332	16.31781769	0.001504498	0.010609177	0.000116643	0.000167464	8.35328E-05	0.086942747	1.97245E-06	0.000111658	0.000313668	0.001356293	0.000111993
2097 May	0.001127595	0.122109734	9.95482E-06	1.415739059	4.160470963	0.03753078	0.000526887	15.60541916	0.001615438	0.010912184	0.000288092	0.000189244	9.64935E-05	0.107444867	2.00345E-06	0.000108089	0.000516249	0.001472819	9.87152E-05
2097 Jun	0.001057312	0.164521486	9.76606E-06	1.615695477	3.930217981	0.068700746	0.000258439	10.1881675	0.001611747	0.010440831	0.000583088	0.000238658	0.0001054	0.12923412	1.95865E-06	8.04482E-05	0.000908078	0.001805319	4.30222E-05
2097 Jul	0.001084761	0.158298373	1.04264E-05	1.586611629	4.01928091	0.062012512	0.000276263	11.76220894	0.001675516	0.010775219	0.000526784	0.000256166	0.00010674	0.123724528	2.09277E-06	8.6061E-05	0.000844629	0.001906011	5.92583E-05
2097 Aug	0.001116554	0.150823265	1.07309E-05	1.570307732	4.199077606	0.056323305	0.000323323	13.68554211	0.00172986	0.010805694	0.000476642	0.00025328	0.000109838	0.120772675	2.156E-06	9.21106E-05	0.000751653	0.001863105	7.76829E-05
2097 Sep	0.001148229	0.144023299	1.08002E-05	1.568265915	4.50724268	0.052458521	0.000388507	16.08470345	0.001800108	0.010849622	0.000437866	0.000256517	0.000114486	0.120314449	2.17268E-06	0.000100915	0.000693986	0.001818377	0.000100068
2097 Oct	0.001137869	0.129300311	1.04305E-05	1.470409036	4.370376587	0.042549737	0.000464872	16.49336052	0.001719019	0.010815766	0.000342995	0.000225367	0.000105972	0.111483768	2.09954E-06	0.000105889	0.000573504	0.001641396	0.000106311
2097 Nov	0.00112837	0.12256071	1.02454E-05	1.422400355	4.269512653	0.038029026	0.000495545	16.45009804	0.001672094	0.010778247	0.00029981	0.000209571	0.000101393	0.107133768	2.06262E-06	0.000107316	0.000518692	0.001558674	0.000107121
2097 Dec	0.001127946	0.121534236	1.02136E-05	1.415966749	4.272510529	0.037416719	0.000500761	16.55231667	0.00166929	0.010766295	0.000294025	0.000208246	0.000101072	0.106602542	2.05639E-06	0.000107789	0.000511062	0.001547017	0.000108247
2098 Jan	0.00113171	0.12169835	1.02136E-05	1.419613957	4.314021111	0.037616678	0.000503184	16.78206635	0.001679281	0.010769019	0.000295223	0.000210183	0.000101827	0.107031852	2.05666E-06	0.000108459	0.000512795	0.001548382	0.000110286
2098 Feb	0.001133223	0.121998973	1.02152E-05	1.422305703	4.324950218	0.037820272	0.000503404	16.81674767	0.001682047	0.01077421	0.000296143	0.000210557	0.000101994	0.107316963	2.05699E-06	0.000108572	0.000514737	0.001548926	0.000110517
2098 Mar	0.001134553	0.12224412	1.02227E-05	1.424532652	4.33073473	0.037949014	0.000503675	16.82863235	0.001683929	0.010784199	0.000296767	0.000210742	0.000102093	0.107521027	2.0585E-06	0.000108653	0.000516075	0.001550103	0.00011055
2098 Apr	0.00115277	0.127109677	1.02594E-05	1.463276505	4.420701981	0.040963072	0.000502645	16.87664413	0.001708372	0.010881245	0.000309394	0.000212381	0.00010315	0.111473538	2.06572E-06	0.000109088	0.000545257	0.001556673	0.000109602
2098 May	0.001225116	0.173922285	1.00976E-05	1.771330595	4.793540478	0.072531901	0.000392564	14.31912708	0.001810371	0.011160795	0.000569565	0.00022744	0.000116704	0.144634068	2.02899E-06	9.88765E-05	0.00087888	0.001651785	7.4976E-05
2098 Jun	0.000997603	0.167593881	9.38019E-06	1.594073415	3.621335745	0.072407514	0.000188441	7.963686943	0.001523402	0.009982838	0.000617639	0.00023246	0.000100825	0.128408208	1.87895E-06	6.98725E-05	0.000951929	0.001797203	2.31287E-05
2098 Jul	0.001023821	0.163165465	1.02001E-05	1.581233621	3.644430637	0.066348642	0.000204936	8.965619087	0.001585048	0.0105137	0.000563889	0.000252644	0.000101255	0.123704582	2.04426E-06	7.51923E-05	0.000912345	0.001952037	3.36403E-05
2098 Aug	0.001017287	0.137583509	1.0209E-05	1.475408792	3.729792833	0.051306181	0.000310399	11.76153374	0.001587274	0.009990412	0.000424049	0.000223298	0.000100806	0.111920334	2.04974E-06	8.30341E-05	0.000677463	0.001742597	6.29185E-05
2098 Sep	0.001016167	0.107378758	9.73006E-06	1.307282209	3.64124918	0.03136288	0.000477254	13.78576565	0.001489801	0.009895111	0.000233663	0.000168286	8.9329E-05	0.095935337	1.95684E-06	9.56848E-05	0.000417768	0.001409244	8.60101E-05
2098 Oct	0.001062625	0.096314326	9.48465E-06	1.240754604	3.833180189	0.022283735	0.000585257	15.9427557	0.00148782	0.010284154	0.00014836	0.000152117	8.53535E-05	0.090597183	1.91045E-06	0.000108644	0.000317558	0.00125782	0.00010745
2098 Nov	0.001067812	0.094100505	9.44523E-06	1.223810315	3.803250313	0.0201991	0.00060441	15.96976662	0.001471072	0.010381437	0.00012856	0.000144975	8.31556E-05	0.08902359	1.90263E-06	0.000110254	0.000295091	0.001224022	0.000108029
2098 Dec	0.001071875	0.094144017	9.45281E-06	1.22693634	3.845378399	0.020287795	0.000607458	16.21847916	0.001481634	0.010390126	0.000129412	0.000147061	8.39653E-05	0.089367405	1.90443E-06	0.000111027	0.000295896	0.00122646	0.000110272
2099 Jan	0.001074929	0.094311498	9.4551E-06	1.230081081	3.878302813	0.020463856	0.000609208	16.39823723	0.001489763	0.010393634	0.000130602	0.000148678	8.45852E-05	0.089724809	1.90509E-06	0.00011155	0.000297542	0.0012282	0.000111862
2099 Feb	0.001077302	0.094544023	9.45776E-06	1.233071089	3.901448011	0.020654762	0.000610229	16.51327133	0.001495573	0.01039812	0.000131736	0.000149771	8.50118E-05	0.090051919	1.90574E-06	0.000111888	0.000299372	0.001229618	0.000112846
2099 Mar	0.001080585	0.094909757	9.48281E-06	1.237263799	3.914885759	0.020788789	0.000611786	16.56377602	0.001500311	0.010426847	0.000132461	0.000150274	8.52824E-05	0.09039031	1.9108E-06	0.000112201	0.000300934	0.001233047	0.000113176
2099 Apr	0.001115562	0.103559144	9.59407E-06	1.307966828	4.090652943	0.026024487	0.000610854	16.76547813	0.001551016	0.010629049	0.000156652	0.000155205	8.78244E-05	0.097431704	1.93297E-06	0.000113414	0.000353017	0.001255402	0.000112567
2099 May	0.001298582	0.21586585	9.53772E-06	2.05211544	5.219317913	0.101980388	0.00031947	12.32840538	0.001886523	0.011229815	0.000749758	0.000224416	0.000123027	0.176625073	1.91332E-06	9.08698E-05	0.001164324	0.00160622	4.59903E-05
2099 Jun	0.0011234	0.186768577	9.54225E-06	1.783481836	4.430326462	0.084691234	0.000236459	10.80967236	0.00172243	0.010480069	0.00069597	0.000249255	0.000115658	0.148188487	1.91383E-06	8.07493E-05	0.00105465	0.001788076	4.28715E-05
2099 Jul	0.001147385	0.176718339	1.02282E-05	1.730642915	4.529035091	0.075507872	0.000263517	12.84665012	0.001789048	0.010791573	0.000622386	0.000269022	0.000117014	0.140133455	2.05373E-06	8.78175E-05	0.000966216	0.001889888	6.43843E-05
2099 Aug	0.001165904	0.16231139	1.06163E-05	1.698113799	4.662632465	0.066105492	0.000343727	14.99717331	0.0018372	0.010767257	0.000536432	0.000259149	0.000119613	0.134532794	2.134E-06	9.55986E-05	0.000828508	0.001830947	8.56054E-05
2099 Sep	0.001095932	0.127213687	1.01199E-05	1.48165381	4.256493568	0.044691131	0.000456621	15.60562897	0.001678018	0.010188259	0.000343049	0.000205008	0.000105398	0.113026112	2.03624E-06	9.97426E-05	0.000556437	0.001543176	9.77553E-05
2099 Oct	0.001096215	0.111427896	9.79228E-06	1.36365211	4.125767231	0.032809019	0.000541459	16.28417397	0.001596058	0.010358034	0.000237357	0.000177375	9.56504E-05	0.102257058	1.97189E-06	0.000107074	0.000428728	0.001379862	0.000107186
2099 Nov	0.001094843	0.10527274	9.64579E-06	1.317359447	4.084243774	0.028357044	0.000572542	16.60004616	0.001565841	0.010393286	0.000197968	0.000167603	9.21361E-05	0.098122694	1.94312E-06	0.000109812	0.000380581	0.001316615	0.000111385
2099 Dec	0.001097557	0.105297193	9.65288E-06	1.319352627	4.109724998	0.028391207	0.000574678	16.75132942	0.00157232	0.010402134	0.000198294	0.000168814	9.26162E-05	0.0983302	1.94471E-06	0.000110312	0.00038089	0.001318159	0.000112745
2100 Jan	0.001101895	0.105414264	9.6527E-06	1.32319808	4.161354542	0.028595071	0.000577533	17.04680443	0.00158481	0.010402536	0.000199824	0.000171408	9.35935E-05	0.09879525	1.945E-06	0.000111149	0.000382714	0.001320381	0.00011541
2100 Feb	0.001103831	0.105615266	9.65351E-06	1.325694799	4.180871487	0.028765092	0.000578326	17.14283943	0.00158962	0.010405188	0.000200795	0.000172318	9.39457E-05	0.09907499	1.94527E-06	0.000111424	0.000384326	0.001321378	0.000116232
2100 Mar	0.001104812	0.10578189	9.65895E-06	1.327264786	4.185456753	0.028852608	0.000578574	17.15488052	0.001591074	0.010412303	0.000201224	0.000172474	9.40261E-05	0.099218868	1.94637E-06	0.000111493	0.000385233	0.00132223	0.00011629
2100 Apr	0.001114775	0.106780104	9.74447E-06	1.339471221	4.223486423	0.029148301	0.000583634	17.30628586	0.001605407	0.010505219	0.000203179	0.000174019	9.48684E-05	0.100145668	1.96359E-06	0.000112479	0.000389035	0.001333983	0.000117299
2100 May	0.001217718	0.163263887	9.80494E-06	1.718895793	4.98508215	0.067617469	0.000438219	16.31729698	0.001831229	0.010879513	0.000562476	0.000230112	0.000122162	0.14051047	1.97297E-06	0.000104731	0.000817629	0.001579228	9.56928E-05
2100 Jun	0.00096607	0.155234024	9.2815E-06	1.508346319	3.607910633	0.065445721	0.000201653	9.117229462	0.00151407	0.009717901	0.000557594	0.000240843	9.88873E-05	0.119974263	1.86097E-06	7.22448E-05	0.000886085	0.001796575	3.73306E-05
2100 Jul	0.000927809	0.132955343	9.6339E-06	1.354415417	3.543618917	0.050400451	0.000220071	11.2930336	0.001523794	0.009569217	0.000426248	0.000264422	9.48236E-05	0.102700286	1.93478E-06	7.76133E-05	0.000749605	0.001884921	6.40174E-05
2100 Aug	0.00092239	0.111294627	9.6701E-06	1.26966846	3.404678345	0.036771659	0.000319619	12.3234272	0.001468661	0.009120958	0.000297451	0.000210057	9.06146E-05	0.092573807	1.94346E-06	8.09338E-05	0.000510082	0.001615774	7.55612E-05
2100 Sep	0.000955425	0.099450819	9.71826E-06	1.263621211	3.69500947	0.030198818	0.000424489	14.90515137	0.001526138	0.009067459	0.000228933	0.000194326	9.47271E-05	0.091248251	1.95608E-06	9.1166E-05	0.000395463	0.001483286	9.95095E-05
2100 Oct	0.001005648	0.098411523	9.72877E-06	1.278323531	4.042046547	0.028902542	0.000480087	17.07237434	0.001598778	0.009351597	0.000215924	0.000202126	9.89909E-05	0.09325859	1.96063E-06	0.000100579	0.000381335	0.001456438	0.000119083
2100 Nov	0.001015509	0.098404519	9.75123E-06	1.282021165	4.088362217	0.028604263	0.000490687	17.3540535	0.001608897	0.009431603	0.000212769	0.000202368	9.94123E-05	0.093617663	1.96542E-06	0.000102174	0.000378422	0.001452258	0.00012153
2100 Dec	0.001020768	0.098488465	9.76197E-06	1.286191821	4.141539574	0.028727293	0.000494557	17.66544724	0.001622297	0.009444302	0.000213934	0.00020499	0.000100436	0.094069943	1.96792E-06	0.000103154	0.00037958	0.001455491	0.000124335
2101 Jan	0.001027533	0.098592125	9.76278E-06	1.291708827	4.222016811	0.028986592	0.000499311	18.13443756	0.001641779	0.009446004	0.00021612	0.000209052	0.000101973	0.094741121	1.96861E-06	0.0001045	0.000381883	0.00145899	0.000128591
2101 Feb	0.00103124	0.098742194	9.76282E-06	1.295234561	4.264796734	0.029185887	0.000501598	18.37397575	0.001652141	0.009447413	0.000217549	0.000211173	0.000102778	0.095161006	1.96889E-06	0.000105182	0.000383707	0.001460859	0.000130739
2101 Mar	0.001032196	0.098871909	9.76713E-06	1.296607971	4.270829201	0.029260576	0.000501929	18.39804459	0.001653879	0.009452854	0.000217948	0.000211427	0.000102889	0.095291406	1.96978E-06	0.000105277	0.000384471	0.001461657	0.000130919
2101 Apr	0.001038506	0.099614836	9.81836E-06	1.30519104	4.298946857	0.029562004	0.000504546	18.50576401	0.001663944	0.009505842	0.000219752	0.000212688	0.000103502	0.095983379	1.98011E-06	0.000105869	0.000387922	0.001469491	0.000131647
2101 May	0.001142392	0.155509278	9.86086E-06	1.655347705	4.63673687	0.064338215	0.000384869	15.03209305	0.001767695	0.010318597	0.000536584	0.000230106	0.000118409	0.132990003	1.98299E-06	9.59447E-05	0.000779782	0.001624176	8.6662E-05

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.00104794	0.169289798	9.55335E-06	1.644082546	4.037543297	0.073744163	0.000226174	10.27929974	0.00163263	0.010136147	0.000631076	0.000247407	0.000109611	0.133218557	1.91607E-06	7.75825E-05	0.000955274	0.001809989	4.33345E-05
2101 Jul	0.001090011	0.168356612	1.02878E-05	1.666077733	4.259553432	0.070853315	0.000248003	12.03917122	0.001738351	0.0106652	0.000604857	0.000276325	0.000114382	0.132685259	2.06503E-06	8.50692E-05	0.000950099	0.001970801	5.98552E-05
2101 Aug	0.001159272	0.169136047	1.08461E-05	1.725349545	4.671250343	0.07000789	0.000300484	14.56117725	0.001870096	0.011068894	0.000595662	0.000291378	0.000123229	0.13670662	2.1794E-06	9.47351E-05	0.000928107	0.002020516	8.16759E-05
2101 Sep	0.001113517	0.134288073	1.0372E-05	1.524520755	4.387331963	0.048477162	0.00043573	15.85843372	0.001735553	0.010535424	0.000391826	0.000232099	0.000110189	0.1168129	2.08681E-06	0.000101483	0.000636394	0.001687128	9.9502E-05
2101 Oct	0.001140396	0.12414553	1.01794E-05	1.472962022	4.623728275	0.041781224	0.000510348	18.18564034	0.00176145	0.010595599	0.00032975	0.000227847	0.000110285	0.112652764	2.05115E-06	0.000111196	0.000554241	0.001583439	0.000122655
2101 Nov	0.001119896	0.111990876	9.8749E-06	1.373488426	4.337822914	0.032796711	0.000558187	17.56587982	0.001651851	0.01058271	0.000245882	0.000194835	9.95619E-05	0.103367679	1.98984E-06	0.000112395	0.000448319	0.001432021	0.000119395
2101 Dec	0.001116346	0.110517338	9.85743E-06	1.359910607	4.261372089	0.031445287	0.000564106	17.24648666	0.001629041	0.010611934	0.000233005	0.000188084	9.73515E-05	0.10194429	1.98601E-06	0.000112108	0.000432934	0.001411511	0.00011671
2102 Jan	0.001119875	0.11068166	9.85699E-06	1.363371611	4.301263809	0.031646147	0.000566251	17.46700287	0.00163865	0.0106134	0.000234276	0.000189997	9.80846E-05	0.102355503	1.98617E-06	0.000112738	0.000434712	0.001412974	0.000118681
2102 Feb	0.001121204	0.110979438	9.85912E-06	1.36590004	4.309863091	0.031839982	0.000566312	17.48852921	0.001640901	0.01061888	0.000235162	0.000190278	9.82124E-05	0.102618471	1.98661E-06	0.000112812	0.00043659	0.001413577	0.000118794
2102 Mar	0.001122658	0.111211784	9.86656E-06	1.368156314	4.31750536	0.031966101	0.000566719	17.51271439	0.001643224	0.010628609	0.000235798	0.000190564	9.83488E-05	0.102828309	1.98812E-06	0.000112929	0.000437893	0.001414815	0.000118944
2102 Apr	0.001127367	0.111738093	9.90566E-06	1.374215603	4.336005211	0.032148622	0.000568887	17.58166313	0.001650084	0.01067175	0.000236968	0.000191341	9.87523E-05	0.103305337	1.99599E-06	0.000113375	0.000440164	0.001420469	0.000119388
2102 May	0.001149523	0.114055425	1.0097E-05	1.401892424	4.422677994	0.03287942	0.000579559	17.92288589	0.001682749	0.010878923	0.000242471	0.0001952	0.00010074	0.105420776	2.03454E-06	0.000115557	0.000449836	0.001448452	0.000121672
2102 Jun	0.000748169	0.087473221	9.52827E-06	0.996960342	2.420454979	0.020639714	0.000242048	9.10449028	0.001241286	0.00901655	0.000150834	0.000235225	6.51341E-05	0.064584382	1.91267E-06	7.19471E-05	0.000478715	0.001855634	5.6452E-05
2102 Jul	0.000688328	0.084462352	9.86392E-06	0.925343633	1.906385541	0.01690688	0.000163794	6.745555878	0.001153097	0.008940737	0.000124907	0.000239456	5.65746E-05	0.055526432	1.97744E-06	6.20743E-05	0.000465544	0.001978629	3.74906E-05
2102 Aug	0.000759998	0.08537142	1.01864E-05	1.001873374	2.229158163	0.016822109	0.000239428	8.448558807	0.001237812	0.009134131	0.00011931	0.000220437	6.40959E-05	0.06178014	2.0435E-06	6.92727E-05	0.000403912	0.001870385	5.01784E-05
2102 Sep	0.000818665	0.084707446	1.01796E-05	1.055021763	2.461298943	0.016065743	0.000329675	9.587291718	0.001272625	0.009335026	0.00010416	0.000191037	6.74423E-05	0.066945098	2.04311E-06	7.66071E-05	0.000345579	0.001706254	5.79794E-05
2102 Oct	0.000903088	0.085156277	9.70422E-06	1.079121351	2.6889503	0.014263811	0.000454552	10.54780197	0.001253042	0.009837411	8.05167E-05	0.000144054	6.49986E-05	0.071736418	1.94879E-06	8.77045E-05	0.000284361	0.001419786	6.40301E-05
2102 Nov	0.000922993	0.085592955	9.72935E-06	1.093955636	2.850466967	0.014576362	0.00047157	11.46317577	0.001291299	0.009911133	8.30662E-05	0.000149332	6.78448E-05	0.073359653	1.95482E-06	9.10319E-05	0.000285404	0.001417986	7.21088E-05
2102 Dec	0.000929288	0.085640289	9.7351E-06	1.098819375	2.921663046	0.014751913	0.00047627	11.88371944	0.00130878	0.009917332	8.47864E-05	0.000152884	6.92237E-05	0.07392817	1.95644E-06	9.22795E-05	0.000286891	0.001421364	7.59355E-05
2103 Jan	0.000930307	0.085783027	9.73693E-06	1.100274801	2.928878546	0.014844454	0.000476653	11.91252327	0.001310612	0.009921531	8.52587E-05	0.000153128	6.93443E-05	0.074079603	1.95683E-06	9.23832E-05	0.000287756	0.001421673	7.61554E-05
2103 Feb	0.000931322	0.085992351	9.74173E-06	1.102094531	2.933443785	0.014960976	0.000476788	11.91987896	0.001312029	0.009928589	8.5804E-05	0.000153257	6.94164E-05	0.074252166	1.95779E-06	9.24353E-05	0.000288936	0.001422437	7.61602E-05
2103 Mar	0.00093263	0.086176142	9.75222E-06	1.103978872	2.938306808	0.015036681	0.000477247	11.93353081	0.001313863	0.009940468	8.61711E-05	0.000153451	6.95119E-05	0.074406385	1.9599E-06	9.25384E-05	0.000289814	0.001424004	7.62244E-05
2103 Apr	0.000937987	0.086707309	9.80642E-06	1.110513687	2.955612659	0.015154402	0.000479868	12.00031471	0.001321406	0.009996389	8.68074E-05	0.000154321	6.99101E-05	0.07486245	1.97079E-06	9.30547E-05	0.00029175	0.001431937	7.66377E-05
2103 May	0.001072481	0.132560566	9.88638E-06	1.4528687	3.922631502	0.046278886	0.000416752	13.20165253	0.00158035	0.010475669	0.000372764	0.000201246	9.75015E-05	0.111345671	1.98674E-06	9.48011E-05	0.00062047	0.001579231	7.63599E-05
2103 Jun	0.000974331	0.156251386	9.37912E-06	1.519823313	3.651207924	0.065825984	0.000203184	9.313079834	0.001531814	0.009800909	0.000561525	0.000244926	0.000100068	0.120798536	1.88065E-06	7.3134E-05	0.000893166	0.001819547	3.90304E-05
2103 Jul	0.000925471	0.132621288	9.82376E-06	1.335702896	3.262205601	0.047953077	0.000210963	9.811115265	0.001462258	0.009691431	0.000407025	0.000243878	8.92279E-05	0.099720694	1.97101E-06	7.3749E-05	0.000709364	0.001852564	5.06123E-05
2103 Aug	0.000940719	0.110692665	9.97534E-06	1.192081451	2.992501974	0.030455191	0.000279837	10.65202522	0.001370439	0.009321751	0.000259753	0.000180844	8.05677E-05	0.083919726	2.00273E-06	7.49247E-05	0.000407411	0.001534785	6.20003E-05
2103 Sep	0.000989748	0.101515949	9.80657E-06	1.1947155	3.302448511	0.024729513	0.000418238	12.93499279	0.001408785	0.009704454	0.000192217	0.000163119	8.13279E-05	0.084609456	1.9715E-06	8.94461E-05	0.000337743	0.001395895	8.25132E-05
2103 Oct	0.0010111044	0.093601488	9.51837E-06	1.159805298	3.167758465	0.017868416	0.000531489	12.50264359	0.001326421	0.010230312	0.000114997	0.000122424	7.16122E-05	0.081699438	1.91334E-06	9.74679E-05	0.000269343	0.001225981	7.82618E-05
2103 Nov	0.001020124	0.09240333	9.4876E-06	1.15857482	3.194784164	0.016826775	0.000554565	12.71699619	0.001325527	0.010338801	0.000103005	0.000117969	7.09409E-05	0.081673712	1.90741E-06	9.97763E-05	0.000258953	0.001201182	8.01173E-05
2103 Dec	0.001025806	0.092415646	9.49149E-06	1.16289258	3.261824131	0.016985424	0.000558878	13.11561203	0.001341941	0.010342217	0.00010457	0.000121388	7.22404E-05	0.082188241	1.90864E-06	0.000100943	0.000260348	0.001204474	8.37643E-05
2104 Jan	0.001026614	0.092572264	9.49262E-06	1.164314389	3.26751399	0.017089844	0.000559028	13.13365936	0.0013434	0.010345437	0.000105061	0.000121586	7.23295E-05	0.082337186	1.90888E-06	0.000101005	0.00026137	0.001204828	8.38847E-05
2104 Feb	0.001027442	0.09279561	9.49459E-06	1.166101336	3.2718575	0.017229434	0.000558948	13.13732433	0.001344611	0.0103498	0.000105703	0.000121702	7.23896E-05	0.08251866	1.90927E-06	0.000101027	0.000262752	0.001205298	8.38555E-05
2104 Mar	0.001028965	0.093013413	9.50558E-06	1.168287277	3.277628183	0.017322898	0.000559489	13.15305233	0.001346673	0.010362986	0.000106161	0.000121892	7.24979E-05	0.082703069	1.91148E-06	0.000101144	0.000263773	0.001206812	8.39274E-05
2104 Apr	0.001038236	0.093895175	9.58936E-06	1.179064989	3.307825804	0.017517406	0.000564372	13.27043533	0.001358873	0.010454986	0.00010729	0.000123004	7.31544E-05	0.083483361	1.92832E-06	0.000102039	0.000266505	0.001217524	8.46637E-05
2104 May	0.001155369	0.157681212	9.71266E-06	1.624446154	4.227519512	0.061627585	0.000406799	12.43112755	0.001635061	0.010855108	0.000512957	0.000189519	0.000105665	0.130407348	1.95022E-06	9.40568E-05	0.000756537	0.00150951	6.22831E-05
2104 Jun	0.001014607	0.165853024	9.36876E-06	1.595155001	3.783643723	0.071468212	0.000211309	9.086257935	0.001557873	0.009999548	0.000611649	0.00023607	0.000103555	0.128753543	1.87792E-06	7.36747E-05	0.000935756	0.001777917	3.38234E-05
2104 Jul	0.001000842	0.150355861	9.93884E-06	1.483136415	3.59157896	0.058638189	0.000223869	9.935125351	0.001545618	0.010122495	0.000501068	0.000242265	9.78788E-05	0.114765801	1.99346E-06	7.63766E-05	0.000806758	0.001844019	4.62233E-05
2104 Aug	0.001010437	0.136147529	1.01625E-05	1.431458712	3.603998661	0.049093232	0.00029066	11.36785698	0.001549806	0.00997534	0.000412368	0.000220432	9.71635E-05	0.107929505	2.04003E-06	8.11366E-05	0.000655151	0.001728306	6.11523E-05
2104 Sep	0.000990088	0.112446465	9.8854E-06	1.320360065	3.461912155	0.034722984	0.000411018	12.39119339	0.001471187	0.009715401	0.000270235	0.000174457	8.93552E-05	0.096527636	1.98615E-06	8.78785E-05	0.0004553	0.001484625	7.36289E-05
2104 Oct	0.001014553	0.101221181	9.63951E-06	1.240307093	3.337934017	0.02468445	0.000511741	12.62351322	0.001390889	0.010170525	0.000172744	0.000138741	7.88792E-05	0.089279607	1.93741E-06	9.63103E-05	0.000346894	0.001309639	7.7252E-05
2104 Nov	0.001020302	0.099087395	9.60857E-06	1.225064039	3.3001616	0.02258884	0.000532763	12.58624649	0.001372474	0.010287528	0.000152232	0.000130588	7.64885E-05	0.087811373	1.93121E-06	9.79579E-05	0.000324531	0.00127498	7.714E-05
2104 Dec	0.001025477	0.099103816	9.61343E-06	1.228945851	3.359561205	0.022722244	0.000536671	12.93966007	0.001387078	0.01029229	0.000153554	0.000133601	7.76362E-05	0.088267609	1.93258E-06	9.90032E-05	0.000325694	0.001277969	8.03744E-05
2105 Jan	0.001028698	0.099206798	9.61312E-06	1.231886983	3.39765954	0.022883648	0.000538744	13.15590096	0.001396284	0.010292681	0.000154738	0.000135503	7.83555E-05	0.088622302	1.93276E-06	9.96156E-05	0.000327147	0.001279583	8.23332E-05
2105 Feb	0.001029622	0.099392682	9.61519E-06	1.233534217	3.403737783	0.023003209	0.000538856	13.17381287	0.001397908	0.010296772	0.000155313	0.000135724	7.84528E-05	0.088791206	1.93319E-06	9.96792E-05	0.000328323	0.001280113	8.24449E-05
2105 Mar	0.001030347	0.099523187	9.61912E-06	1.234733582	3.407057524	0.023072667	0.000539016	13.18152428	0.001398962	0.01030203	0.000155647	0.000135832	7.85095E-05	0.088901915	1.93397E-06	9.97263E-05	0.00032904	0.001280728	8.24755E-05
2105 Apr	0.001035478	0.10005448	9.6655E-06	1.241075993	3.424444199	0.023217905	0.000541571	13.24555111	0.001405948	0.010352305	0.000156549	0.000136509	7.88993E-05	0.089372061	1.9433E-06	0.000100208	0.000330956	0.001286949	8.28636E-05
2105 May	0.001149917	0.157456517	9.73233E-06	1.635421872	4.285720825	0.062458478	0.000404987	12.73534203	0.001655619	0.010760327	0.000519059	0.000195603	0.00010789	0.131334007	1.95447E-06	9.41637E-05	0.000765887	0.001531678	6.50885E-05
2105 Jun	0.001135872	0.185261145	9.76452E-06	1.782521605	4.351840019	0.082205586	0.000257786	10.53941917	0.001712228	0.010712195	0.000705123	0.000239702	0.000116955	0.146935627	1.95788E-06	8.20274E-05	0.001024618	0.001781275	4.05121E-05
2105 Jul	0.001131567	0.170619383	1.01718E-05	1.673768044	4.22979641	0.070241198	0.000273055	11.69480324	0.001701521	0.010706038	0.000605045	0.000239415	0.000112499	0.134151265	2.04117E-06	8.47512E-05	0.000884717	0.001782983	5.53879E-05
2105 Aug	0.001033886	0.126292318	9.90244E-06	1.403863549	3.787645578	0.043862201	0.000360791	13.20167255	0.001556949	0.009578151	0.000364979	0.000189308	9.9416E-05	0.105966873	1.99013E-06	8.58559E-05	0.000522828	0.001495332	7.85205E-05
2105 Sep	0.001026512	0.099175476	9.60705E-06	1.276326537	3.813998461	0.02712447	0.00051592	15.54400635	0.001514128	0.009570259	0.000197941	0.000158677	9.21397E-05	0.09326449	1.9342E-06	9.9454E-05	0.000328953	0.00129237	0.000104231
2105 Oct	0.001059222	0.093662925	9.44919E-06	1.234878659	3.903453827	0.021623831	0.000586476	16.58996582	0.001503441	0.010015433	0.000144602	0.000150566	8.78417E-05	0.09007173	1.90392E-06	0.000108426	0.00028699	0.001220825	0.000114869
2105 Nov	0.001060863	0.092270039	9.42024E-06	1.218147516	3.815832138	0.019794522	0.000600537	16.20093346	0.001473953	0.010162461	0.000126621	0.000142261	8.44357E-05	0.088434376	1.89771E-06	0.000109149	0.000272911	0.001196975	0.000111507
2105 Dec	0.001064238	0.092276983	9.42309E-06	1.220605969	3.854396105	0.019876655	0.000603117	16.43078423	0.001483396	0.010166043	0.000127437	0.000144219	8.51737E-05	0.088726215	1.89854E-06	0.000109834	0.000273666	0.001198893	0.000113616
2106 Jan	0.001064977	0.0924353	9.4241E-06	1.22194469	3.859184504	0.019978777	0.000603188	16.44353104	0.001484627	0.010169337	0.000127902	0.00014438	8.52425E-05	0.088866629	1.89876E-06	0.000109882	0.000274685	0.001199224	0.000113689
2106 Feb	0.001065716	0.092651702	9.42515E-06	1.223618746	3.863269091	0.020117352	0.000603045	16.44620132	0.001485722	0.010172786	0.000128536	0.000144491	8.52955E-05	0.089040473	1.89896E-06	0.000109894	0.000276055	0.001199597	0.000113654
2106 Mar	0.001066661	0.092818178	9.43065E-06	1.225160122	3.867325306	0.020202968	0.000603271	16.45511436	0.001487049	0.010179989	0.000128945	0.000144618	8.53652E-05	0.089180417	1.90006E-06	0.000109955	0.000276943	0.001200418	0.000113684
2106 Apr	0.001073628	0.093472682	9.4906E-06	1.233422995	3.892944336	0.020373745	0.000607034	16.5593338	0.001496767	0.010245433	0.000129955	0.000145561	8.59194E-05	0.089797795	1.91214E-06	0.000110652	0.00027912	0.001208119	0.000114386
2106 May	0.001134664	0.119148292	9.68474E-06	1.416372299	4.293504238	0.037224136	0.000553466	16.48129654	0.001622395	0.010572367	0.000285001	0.000174162	9.9179E-05	0.108540483	1.95014E-06	0.000109277	0.000469805	0.001342273	0.000107684
2106 Jun	0.000893139	0.132775813	9.46576E-06	1.338932753	3.211628437	0.050363772	0.000210203	9.154872894	0.001432294	0.009535462	0.000421457	0.000244347	8.79846E-05	0.101208493	1.8986E-06	7.22566E-05	0.000755816	0.001850946	4.45741E-05
2106 Jul	0.000870504	0.114968412	1.00758E-05	1.206294179	2.98848772	0.035983894	0.000216924	10.11168289	0.00141692	0.009616909	0.00029822	0.000254535	8.15732E-05	0.084951378	2.02236E-06	7.47488E-05	0.000615075	0.001936248	5.89266E-05
2106 Aug	0.000906723	0.098539226	9.95798E-06	1.155780435	3.091390848	0.025525874	0.000322544	12.12010765	0.001401028	0.009110566	0.000204308	0.000194911	8.21389E-05	0.07960213	2.00114E-06	7.98972E-05	0.000374275	0.001577741	7.80777E-05
2106 Sep	0.000957265	0.086574845	9.70322E-06	1.175114512	3.487487555	0.019740772	0.000485183	14.95562553	0.001452395	0.009175946	0.000133288	0.00016275	8.61674E-05	0.08191099	1.95324E-06	9.4583E-05	0.000261574	0.001344863	0.000103066
2106 Oct	0.001027386	0.087371007	9.66183E-06	1.203919053	3.940502644	0.019220822	0.000558534	17.54829788	0.001542204	0.009639391	0.000126086	0.000172252	9.1243E-05	0.085835189	1.94777E-06	0.000107041	0.000262441	0.001309566	0.000126158
2106 Nov	0.001037803	0.08768034	9.69531E-06	1.212783575	4.032414436	0.019452246	0.000565943	18.07432938	0.001566186	0.00967982	0.000128155	0.00017667	9.30168E-05	0.086721987	1.95504E-06	0.00010882	0.000264873	0.001316761	0.000130872
2106 Dec	0.001041893	0.087709621	9.699E-06	1.215891838	4.078763962	0.019563997	0.000568995	18.34849358	0.001577562	0.009684307	0.000129253	0.000179015	9.39097E-05	0.087087251	1.95609E-06	0.000109637	0.000265897	0.001319101	0.000133385
2107 Jan	0.001042533	0.087810047	9.69991E-06	1.216840982	4.083277225	0.019628899	0.000569195	18.3654232	0.001578697	0.009687119	0.000129571	0.000179177	9.39805E-05	0.087187506	1.95629E-06	0.000109699	0.000266547	0.001319345	0.000133511
2107 Feb	0.001043442	0.087967291	9.70368E-06	1.218315601	4.088431358	0.019720096	0.000569404	18.38128853	0.001580189	0.00969254	0.000130021	0.000179367	9.40686E-05	0.08732976	1.95705E-06	0.000109768	0.00026747	0.001320029	0.00013361
2107 Mar	0.001045118	0.088153094	9.71676E-06	1.220501304	4.095828533	0.019792149	0.000570162	18.41046715	0.001582785	0.009706512	0.000130413	0.00017967	9.42223E-05	0.087506205	1.95969E-06	0.00010993	0.000268277	0.001321899	0.000133813
2107 Apr	0.001048553	0.088469878	9.74745E-06	1.224650979	4.109593391	0.019879989	0.000571942	18.46965027	0.001587989	0.009737688	0.000130942	0.00018026	9.45304E-05	0.087814242	1.96588E-06	0.000110281	0.000269374	0.001326113	0.000134234
2107 May	0.001103856	0.123081408	9.77468E-06	1.443045735	4.346066475	0.042162575	0.000485615	16.47921562	0.00166451	0.010129321	0.000335255	0.000198372	0.000105301	0.110879935	1.96811E-06	0.000103365	0.000523028	0.001449356	0.000107873
2107 Jun	0.001079413	0.171772867	9.76035E-06	1.676735163	4.092132092	0.073983885	0.00025006	10.38803673	0.001653149	0.010419443	0.000631672	0.000240934	0.000110603	0.135683462	1.95735E-06	8.00637E-05	0.000949604	0.001800041	4.332E-05
2107 Jul	0.00105274	0.14997153	1.00503E-05	1.503912449	3.8492136	0.057420194	0.000263608	11.58885765	0.00160198	0.010191772	0.000493413	0.000234102	0.000102488	0.116777278	2.01748E-06	8.16872E-05	0.000752125	0.001755941	6.0817E-05
2107 Aug	0.00109393	0.143431947	1.04557E-05	1.494786263	4.055109024	0.051765136	0.000312175	13.63975525	0.00166887	0.010331945	0.000443998	0.000234137	0.000106072	0.114232175	2.10095E-06	8.86086E-05	0.000662934	0.001732642	8.04962E-05
2107 Sep	0.001128022	0.131154731	1.03817E-05	1.459925294	4.339526653	0.043998804	0.000419667	16.31149483	0.001712881	0.010494588	0.000365559	0.000226683	0.000107199	0.110900261	2.08931E-06	0.000101134	0.000567542	0.001627508	0.000106511
2107 Oct	0.001127798	0.11769326	1.00607E-05	1.382352829	4.322999954	0.035229824	0.000503965	17.28166389	0.001666158	0.010539594	0.000279181	0.000204343	0.000101272	0.104032621	2.02646E-06	0.000108326	0.000467122	0.001481534	0.000117627
2107 Nov	0.001117257	0.113051243	9.95727E-06	1.347454309	4.172450066	0.031763099	0.000525936	16.75380325	0.001615096	0.010573141	0.000244846	0.000188774	9.63487E-05	0.100600183	2.00528E-06	0.00010851	0.000428575	0.001424117	0.000113472
2107 Dec	0.001125233	0.112990454	9.95857E-06	1.353136659	4.271090031	0.03196948	0.00053221	17.3468895	0.001638965	0.010572803	0.000246933	0.000193812	9.82504E-05	0.101307631	2.0062E-06	0.000110215	0.000430252	0.001428298	0.000118953
2108 Jan	0.001128122	0.113091469	9.95933E-06	1.35583818	4.30393219	0.032110706	0.000534107	17.53198051	0.001646947	0.010574595	0.000247901	0.000195417	9.88653E-05	0.101625249	2.00656E-06	0.000110751	0.000431518	0.001429704	0.000120629
2108 Feb	0.001129215	0.113262512	9.96054E-06	1.357553244	4.313025951	0.032233272	0.000534401	17.56894493	0.001649244	0.010577684	0.00024851	0.00019579	9.9019E-05	0.101808637	2.00684E-06	0.000110865	0.000432698	0.001430234	0.000120921
2108 Mar	0.001131222	0.113520503	9.97561E-06	1.360287189	4.321383953	0.0323398	0.000535166	17.59751701	0.001652195	0.010594769	0.000249132	0.000196129	9.91907E-05	0.10203518	2.00987E-06	0.000111039	0.000433908	0.001432464	0.000121099
2108 Apr	0.001146083	0.115281537	1.00963E-05	1.379668713	4.379903793	0.032984521	0.000541333	17.80764961	0.001673748	0.010727827	0.000253196	0.000198592	0.000100451	0.103579395	2.03417E-06	0.000112379	0.000441601	0.001449997	0.00012243

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.001190156	0.124891549	1.03316E-05	1.462331414	4.586853027	0.03839669	0.000543918	18.14143562	0.001740651	0.011047392	0.000289356	0.000206921	0.00010492	0.111351915	2.08126E-06	0.000114595	0.00049973	0.001498051	0.000122731
2108 Jun	0.000817388	0.109682225	9.74225E-06	1.158130884	2.668936253	0.033776022	0.00021799	8.442140579	0.001318252	0.009447428	0.000268668	0.000238393	7.35474E-05	0.080718912	1.95389E-06	7.07896E-05	0.000607716	0.00189598	4.47367E-05
2108 Jul	0.000835126	0.107032895	1.04031E-05	1.153897882	2.753159761	0.030075645	0.000220607	9.563733101	0.001389017	0.009831487	0.000237188	0.000265442	7.58278E-05	0.077676892	2.08748E-06	7.52206E-05	0.000597482	0.002059629	5.63809E-05
2108 Aug	0.000915433	0.109922551	1.09921E-05	1.236314893	3.180347919	0.030434908	0.000279862	11.9249506	0.00152446	0.010279081	0.000237829	0.000273975	8.55022E-05	0.083853021	2.20765E-06	8.48088E-05	0.000577372	0.002086572	7.58849E-05
2108 Sep	0.000967275	0.105514251	1.08383E-05	1.256382465	3.563343048	0.028290911	0.000366324	14.38761234	0.001588403	0.010295365	0.000214184	0.000261137	9.0973E-05	0.08666347	2.17956E-06	9.4511E-05	0.000512752	0.001938699	9.77766E-05
2108 Oct	0.000995048	0.095416315	9.96958E-06	1.184937835	3.285082579	0.019796049	0.000499	13.16829872	0.001409001	0.010426855	0.000128749	0.000169707	7.6357E-05	0.082433589	2.00433E-06	9.89893E-05	0.000352645	0.001481288	8.5715E-05
2108 Nov	0.001006092	0.094503343	9.90191E-06	1.182476163	3.28225112	0.018735729	0.000521882	13.17880535	0.001395781	0.010504041	0.000117695	0.000158557	7.5057E-05	0.08242669	1.99077E-06	0.0001005	0.000332106	0.001425131	8.54985E-05
2108 Dec	0.001012197	0.094519928	9.90578E-06	1.187083602	3.353560925	0.018904556	0.0005265	13.60251045	0.001413187	0.010507463	0.000119371	0.000162132	7.64385E-05	0.082977057	1.99201E-06	0.000101739	0.000333475	0.001428294	8.93969E-05
2109 Jan	0.001013115	0.094651401	9.90668E-06	1.188429594	3.360698938	0.018995881	0.000526825	13.63168526	0.001414954	0.010510339	0.000119827	0.000162381	7.65572E-05	0.083121069	1.99222E-06	0.000101834	0.000334306	0.001428502	8.96264E-05
2109 Feb	0.001013982	0.09484788	9.90956E-06	1.190084934	3.365114212	0.019113561	0.000526874	13.63882446	0.00141622	0.010515375	0.000120376	0.000162501	7.66235E-05	0.083285011	1.9928E-06	0.000101873	0.000335466	0.001429011	8.96348E-05
2109 Mar	0.001015954	0.095096573	9.92591E-06	1.192753434	3.372368574	0.019205794	0.000527677	13.6620245	0.001418981	0.010533821	0.00012085	0.000162801	7.67707E-05	0.08349739	1.99608E-06	0.000102043	0.000336595	0.001431414	8.97634E-05
2109 Apr	0.001024544	0.095964141	1.0007E-05	1.203187943	3.401555777	0.019422363	0.00053192	13.77409649	0.001430981	0.01062094	0.000122108	0.000164159	7.74174E-05	0.084252968	2.01239E-06	0.000102878	0.00033991	0.001443148	9.04757E-05
2109 May	0.001110354	0.142100722	9.96411E-06	1.517924786	3.966337442	0.050878379	0.000424195	12.51932907	0.001590278	0.010874134	0.00041138	0.00019431	9.81868E-05	0.11788211	2.00105E-06	9.55415E-05	0.00067158	0.001575446	6.77832E-05
2109 Jun	0.001142706	0.188543573	9.95046E-06	1.803139329	4.290944099	0.083297603	0.000250283	9.927158356	0.001711433	0.010917272	0.000713996	0.000240335	0.000116289	0.148218617	1.99424E-06	8.11736E-05	0.001045455	0.001823926	3.42529E-05
2109 Jul	0.0011023	0.158996597	1.01304E-05	1.5773772	4.093999863	0.062539659	0.000273344	12.18435669	0.001662521	0.010442772	0.000540352	0.000237062	0.000108014	0.124421336	2.03382E-06	8.45435E-05	0.000796417	0.001751153	6.37765E-05
2109 Aug	0.001104318	0.136912704	1.03695E-05	1.428074837	4.026110649	0.0461381	0.000319481	14.35223866	0.001641614	0.010137172	0.000403304	0.000218514	0.00010349	0.108152837	2.08471E-06	8.9034E-05	0.000563364	0.001612603	8.92075E-05
2109 Sep	0.001109741	0.118797906	1.00638E-05	1.363781929	4.227726936	0.036157422	0.000446983	16.84095383	0.001649962	0.010125817	0.000298617	0.000203597	0.00010198	0.102297612	2.02663E-06	0.000101666	0.000448525	0.001468246	0.000114535
2109 Oct	0.00108047	0.099004708	9.56397E-06	1.235356331	3.807331562	0.022210937	0.000570614	15.76873684	0.001481463	0.010404571	0.000154885	0.000149561	8.43422E-05	0.090152755	1.92578E-06	0.000107874	0.000309955	0.00124735	0.000107402
2109 Nov	0.001091836	0.098262154	9.58541E-06	1.23935914	3.893535614	0.021666804	0.000587093	16.33805847	0.001501209	0.010477056	0.000148834	0.000151736	8.54764E-05	0.090547532	1.9307E-06	0.000110418	0.000304722	0.001244397	0.000112644
2109 Dec	0.001098793	0.098282315	9.59117E-06	1.244680285	3.97552371	0.0218623	0.000592297	16.82564354	0.00152137	0.01048135	0.00015077	0.00015595	8.70718E-05	0.091177009	1.93239E-06	0.00011184	0.000306449	0.001248655	0.000117142
2110 Jan	0.00110019	0.098415412	9.5942E-06	1.246409416	3.98769474	0.021959985	0.000592966	16.88534355	0.001524506	0.010485848	0.00015132	0.000156502	8.72941E-05	0.091357663	1.93306E-06	0.000112032	0.000307406	0.001249525	0.000117653
2110 Feb	0.001101197	0.098604031	9.59814E-06	1.248127818	3.993370533	0.022071445	0.000593149	16.90114594	0.001526143	0.010491723	0.000151859	0.000156703	8.73887E-05	0.091524981	1.93386E-06	0.000112101	0.000308528	0.001250261	0.000117743
2110 Mar	0.001102725	0.09880136	9.60943E-06	1.250203609	3.99937582	0.022151226	0.000593761	16.92048454	0.001528273	0.010504957	0.000152277	0.000156916	8.7506E-05	0.091697082	1.93613E-06	0.000112231	0.000309416	0.001251813	0.000117854
2110 Apr	0.001108296	0.099335089	9.65681E-06	1.256716013	4.019844532	0.022291262	0.000596639	17.00360489	0.001536	0.010557266	0.000153164	0.000157706	8.79458E-05	0.092186108	1.94568E-06	0.000112783	0.000311243	0.001258031	0.00011842
2110 May	0.001156414	0.115729392	9.78168E-06	1.384123445	4.403415203	0.033534516	0.000570889	17.69115257	0.001647728	0.010750249	0.000256203	0.000182113	9.90827E-05	0.105351113	1.97094E-06	0.000113957	0.000436557	0.001348809	0.000120851
2110 Jun	0.000975927	0.146850854	9.51901E-06	1.469003677	3.773116112	0.059653562	0.000233244	11.06423283	0.001568195	0.009817298	0.000505873	0.000258118	0.000100702	0.115126863	1.91081E-06	7.89028E-05	0.000836406	0.001847417	5.81921E-05
2110 Jul	0.000941629	0.128776371	9.97716E-06	1.326163888	3.442250013	0.045320716	0.00023557	11.33355427	0.001514567	0.009789641	0.000382964	0.000256969	9.19607E-05	0.098306753	2.0034E-06	7.90276E-05	0.000687534	0.001885143	6.61852E-05
2110 Aug	0.000908546	0.091275044	9.7005E-06	1.142138481	3.044096708	0.022017416	0.000376643	12.20851612	0.001356591	0.008727451	0.000168469	0.000152214	8.09519E-05	0.078540772	1.94958E-06	7.9832E-05	0.000265278	0.001351772	7.88051E-05
2110 Sep	0.000981332	0.085726112	9.50142E-06	1.160641313	3.431634903	0.017526051	0.000527678	14.63143635	0.001405925	0.009419444	0.00011151	0.000137796	8.14509E-05	0.081370413	1.91232E-06	9.73147E-05	0.000225928	0.001223068	0.000100102
2110 Oct	0.001035607	0.087425843	9.43065E-06	1.161212683	3.407081366	0.014727686	0.000605318	14.27259064	0.00136734	0.01030586	7.88008E-05	0.000117412	7.41523E-05	0.082063384	1.89761E-06	0.000105715	0.000224609	0.001153274	9.55154E-05
2110 Nov	0.001046351	0.087302953	9.3976E-06	1.164218664	3.502687931	0.014675499	0.000617409	14.8425045	0.00138586	0.010357999	7.80645E-05	0.000120734	7.53408E-05	0.082678981	1.89163E-06	0.000108035	0.000226014	0.001148242	0.000100796
2110 Dec	0.001053612	0.087328814	9.40232E-06	1.169758916	3.589326859	0.014890567	0.000622764	15.35731316	0.001407094	0.01036121	8.02089E-05	0.000125211	7.70274E-05	0.083342791	1.89315E-06	0.000109525	0.000227934	0.001152678	0.000105557
2111 Jan	0.001056608	0.087484024	9.40353E-06	1.172817111	3.623002052	0.015067966	0.000624482	15.5424757	0.001415352	0.010363266	8.1449E-05	0.000126892	7.76651E-05	0.083697222	1.89359E-06	0.000110053	0.000229599	0.001154412	0.000107231
2111 Feb	0.001057906	0.087694786	9.40459E-06	1.174897194	3.634444714	0.015223317	0.000624758	15.58953953	0.001418236	0.010366227	8.22773E-05	0.000127395	7.78646E-05	0.083922409	1.89385E-06	0.000110188	0.000231109	0.001155145	0.000107609
2111 Mar	0.00106074	0.08801014	9.42649E-06	1.17849648	3.645431757	0.015334308	0.000626121	15.62958431	0.001422178	0.010391486	8.28291E-05	0.000127775	7.80816E-05	0.084210418	1.89826E-06	0.000110453	0.000232386	0.001158002	0.000107865
2111 Apr	0.00107054	0.088872142	9.51197E-06	1.189656138	3.67954731	0.015515783	0.000631723	15.77112293	0.001435347	0.010486372	8.37772E-05	0.000128961	7.88025E-05	0.085024349	1.91547E-06	0.000111452	0.00023491	0.00116858	0.000108824
2111 May	0.001126734	0.121124469	9.69335E-06	1.408028841	4.023077488	0.036849663	0.000546378	14.70007324	0.001552861	0.01078626	0.00028033	0.000157924	9.28204E-05	0.107431479	1.94966E-06	0.000105994	0.000474946	0.001328081	9.1442E-05
2111 Jun	0.001060378	0.171392962	9.62702E-06	1.656549811	3.985188484	0.073961757	0.00023428	9.780388832	0.001620287	0.010343818	0.00063223	0.000240229	0.000108064	0.134163931	1.93003E-06	7.78185E-05	0.000959035	0.001802192	3.85218E-05
2111 Jul	0.001084325	0.164228871	1.03103E-05	1.62783277	4.131680965	0.06716828	0.000256055	11.75704479	0.001702952	0.010703342	0.000572987	0.000267257	0.000110474	0.128596619	2.06916E-06	8.49554E-05	0.000908318	0.001941883	5.91687E-05
2111 Aug	0.000984139	0.1159437	9.91728E-06	1.323805928	3.500935078	0.037421633	0.000355869	12.51754475	0.001491686	0.009388749	0.000305271	0.00018473	9.28917E-05	0.097149663	1.99255E-06	8.3252E-05	0.000465687	0.001507772	7.57775E-05
2111 Sep	0.001006364	0.097843587	9.82477E-06	1.289729953	3.914152622	0.028314721	0.000484904	16.31082726	0.001570217	0.009204979	0.00021061	0.000178314	9.82033E-05	0.093513161	1.97849E-06	9.73043E-05	0.00033361	0.001375162	0.000112855
2111 Oct	0.001035868	0.092569657	9.52799E-06	1.231865644	3.852015257	0.022024481	0.000560626	16.40150642	0.001506364	0.009764337	0.000149326	0.000156246	8.91279E-05	0.089180559	1.91933E-06	0.000105154	0.000286792	0.001257707	0.000114602
2111 Nov	0.001053409	0.090509191	9.43237E-06	1.209843874	3.83165884	0.019169373	0.000597785	16.46717262	0.001481321	0.010066547	0.000121218	0.000146246	8.51441E-05	0.087488875	1.90031E-06	0.000109121	0.000265979	0.001208287	0.000115475
2111 Dec	0.001060913	0.09052857	9.43911E-06	1.215016246	3.912609577	0.019315436	0.000603735	16.94952202	0.001501003	0.010080102	0.000122654	0.000150223	8.66519E-05	0.088101842	1.90219E-06	0.00011062	0.000267408	0.001211898	0.000119931
2112 Jan	0.001064263	0.090703376	9.44018E-06	1.21840179	3.949870825	0.019511616	0.000605677	17.15404129	0.001510102	0.010082803	0.000123994	0.000152064	8.735E-05	0.088495702	1.90263E-06	0.000111208	0.000269254	0.001213719	0.000121781
2112 Feb	0.001067206	0.090966634	9.44344E-06	1.221967936	3.97903204	0.019733634	0.000607028	17.30198479	0.001517406	0.01008819	0.000125346	0.000153457	8.78902E-05	0.088887691	1.90343E-06	0.000111644	0.00027139	0.001215492	0.000123079
2112 Mar	0.001071533	0.091338299	9.46896E-06	1.2270118	4.005451202	0.019905297	0.000609322	17.42927361	0.001525328	0.010116466	0.000126411	0.000154629	8.84158E-05	0.089328364	1.90866E-06	0.000112171	0.000273245	0.001219538	0.000124126
2112 Apr	0.001080424	0.092124864	9.54307E-06	1.237366319	4.041696548	0.020117931	0.00061423	17.58756638	0.001538467	0.010196352	0.00012771	0.000156061	8.91934E-05	0.090111591	1.92362E-06	0.00011311	0.000275931	0.001229331	0.000125281
2112 May	0.001155208	0.133018285	9.70035E-06	1.511180758	4.509819984	0.047175478	0.000510643	16.41217041	0.001688445	0.010591542	0.000377354	0.000193125	0.000106954	0.118634328	1.95265E-06	0.000107073	0.000582054	0.001419876	0.000104988
2112 Jun	0.000918724	0.145128548	9.22735E-06	1.422358871	3.373662949	0.059250355	0.000192172	8.763408661	0.001456576	0.009494019	0.00050296	0.000240595	9.30819E-05	0.111076646	1.85E-06	7.01404E-05	0.000833076	0.001807783	3.79157E-05
2112 Jul	0.000879854	0.119213142	9.77027E-06	1.241439342	3.238417625	0.040762372	0.000214182	11.01959515	0.001459829	0.00941843	0.000341965	0.000263582	8.71411E-05	0.090192594	1.96204E-06	7.60153E-05	0.000660114	0.001911433	6.68584E-05
2112 Aug	0.000962425	0.115492165	1.01588E-05	1.304279923	3.886189699	0.038762596	0.000308101	15.1757164	0.001631767	0.009587852	0.000319812	0.000274233	0.000100392	0.095222816	2.04421E-06	9.00864E-05	0.000595946	0.001873339	0.000104265
2112 Sep	0.001045566	0.1048209	1.00492E-05	1.331049323	4.73073101	0.034237124	0.000449691	20.90745926	0.001807618	0.00951301	0.000272164	0.000279578	0.000114447	0.098800004	2.02866E-06	0.000109528	0.000492791	0.001715815	0.000157539
2112 Oct	0.001108943	0.100681804	9.88136E-06	1.335204124	5.186295033	0.031277552	0.000539535	23.9092598	0.001885302	0.009758551	0.000242771	0.00027928	0.000119155	0.100551784	1.9984E-06	0.000122426	0.000446044	0.001609125	0.000185384
2112 Nov	0.00113704	0.100135051	9.87463E-06	1.349591255	5.459884167	0.031268064	0.000567406	25.57820892	0.001947218	0.009819	0.000242616	0.000289269	0.000123787	0.102419503	1.9989E-06	0.000128043	0.000442529	0.001602058	0.00020082
2112 Dec	0.001140996	0.100175507	9.88096E-06	1.352631211	5.501161098	0.031357534	0.000570415	25.82149506	0.001957475	0.009826734	0.000243473	0.00029127	0.000124578	0.102758653	2.00043E-06	0.000128797	0.000443283	0.001604137	0.000203057
2113 Jan	0.001145102	0.100256294	9.88032E-06	1.356088996	5.549993992	0.031530473	0.000573273	26.10360146	0.001969211	0.009827038	0.000244839	0.00029368	0.000125503	0.103181951	2.00061E-06	0.000129603	0.000444762	0.001605937	0.000205654
2113 Feb	0.001146269	0.100427479	9.88339E-06	1.357830286	5.558465004	0.031641595	0.000573632	26.13753891	0.001971461	0.009831985	0.000245412	0.000294023	0.000125651	0.103359163	2.00126E-06	0.00012972	0.000445851	0.001606643	0.000205919
2113 Mar	0.001152043	0.10091342	9.92388E-06	1.364583135	5.592947483	0.031846199	0.000576558	26.3067112	0.001982374	0.009873058	0.000246887	0.00029578	0.000126381	0.10392075	2.00952E-06	0.000130429	0.000448362	0.001613695	0.000207319
2113 Apr	0.001161192	0.101733558	1.00002E-05	1.375518203	5.638490677	0.032123957	0.000581074	26.51958847	0.001998235	0.00994959	0.000248952	0.000298155	0.000127395	0.104768671	2.02499E-06	0.000131463	0.000452118	0.001626191	0.000208999
2113 May	0.001218804	0.13839595	1.00261E-05	1.60650897	5.742574215	0.055044826	0.000496892	23.4875946	0.002038301	0.010399929	0.000457706	0.000299203	0.000135745	0.128869712	2.02571E-06	0.000122238	0.000699471	0.001703044	0.000171626
2113 Jun	0.001085252	0.171378016	9.64818E-06	1.679493904	4.369772911	0.075260647	0.000248239	12.08623028	0.001718076	0.010273966	0.000645598	0.000263843	0.000116169	0.136926979	1.93682E-06	8.3558E-05	0.000972099	0.001836958	6.02463E-05
2113 Jul	0.001076369	0.154653345	1.01076E-05	1.550732493	4.146064758	0.06124869	0.000264256	12.89919853	0.00168354	0.010284017	0.00052783	0.00025697	0.000109263	0.121770583	2.03017E-06	8.54593E-05	0.000806582	0.001824563	7.26267E-05
2113 Aug	0.001113569	0.141734809	1.03798E-05	1.507429481	4.443302631	0.05242211	0.000332897	16.0680542	0.001759903	0.010201138	0.000450608	0.000256088	0.000113729	0.116306067	2.08839E-06	9.4799E-05	0.000668667	0.001748067	0.000104304
2113 Sep	0.001103563	0.120248139	1.00615E-05	1.407576323	4.430384636	0.039556071	0.000454282	17.66162491	0.001711063	0.010067707	0.000322056	0.000223466	0.000107737	0.106589645	2.02685E-06	0.00010404	0.000504504	0.001545284	0.000122171
2113 Oct	0.001076896	0.099393964	9.5334E-06	1.250599623	3.901896238	0.023621853	0.000572195	16.19403839	0.001507411	0.010344507	0.000165219	0.000158343	8.6908E-05	0.091798432	1.91998E-06	0.000108819	0.000331974	0.00127488	0.000111844
2113 Nov	0.001083285	0.096505828	9.53311E-06	1.234285831	3.847121239	0.020888105	0.000600361	16.11081886	0.001485812	0.01050235	0.000137633	0.000148006	8.39844E-05	0.089998297	1.91986E-06	0.000110898	0.000303119	0.001237644	0.000111299
2113 Dec	0.001087617	0.096547842	9.5407E-06	1.237672806	3.893299103	0.020990485	0.00060361	16.38353729	0.001497376	0.010510358	0.000138615	0.000150317	8.48779E-05	0.090373747	1.92168E-06	0.000111735	0.000304048	0.001240338	0.000113814
2114 Jan	0.001089939	0.096699104	9.54245E-06	1.240201116	3.917811394	0.021138091	0.000604878	16.51453209	0.001503432	0.010513351	0.000139555	0.000151501	8.53348E-05	0.090658851	1.92216E-06	0.000112117	0.000305433	0.001241624	0.000114989
2114 Feb	0.001090805	0.096910231	9.54393E-06	1.241954446	3.923306704	0.021275619	0.000604854	16.52619553	0.001504893	0.0105 17	0.000140202	0.000151684	8.54174E-05	0.090840548	1.92247E-06	0.000112157	0.000306782	0.00124209	0.000115038
2114 Mar	0.001093482	0.097227953	9.56464E-06	1.245449543	3.933577299	0.021392858	0.000606048	16.56156731	0.001508609	0.010540966	0.000140825	0.000152053	8.56229E-05	0.091122612	1.92663E-06	0.000112397	0.000308139	0.001244893	0.000115254
2114 Apr	0.00109966	0.097823098	9.61713E-06	1.252742767	3.956171274	0.021551007	0.000609306	16.65217018	0.001517146	0.010599466	0.00014178	0.00015291	8.61043E-05	0.091671355	1.93721E-06	0.000113013	0.000310226	0.001251786	0.000115867
2114 May	0.001178017	0.145680204	9.6465E-06	1.578547955	4.614683151	0.054965787	0.000477541	15.85179043	0.001714692	0.010788981	0.000450855	0.000203505	0.000110192	0.126316056	1.9409E-06	0.000105421	0.00068005	0.001469331	9.75645E-05
2114 Jun	0.001174905	0.184668213	9.88971E-06	1.806061506	4.782232285	0.082332604	0.00028753	13.22420311	0.001824452	0.010820512	0.00070708	0.000265341	0.000125081	0.149423733	1.98581E-06	9.0363E-05	0.001030875	0.001827641	6.62601E-05
2114 Jul	0.001209231	0.176766515	1.05431E-05	1.77080524	4.96089077	0.074722581	0.00031512	15.51195145	0.001907703	0.011125293	0.000643287	0.000286105	0.000127808	0.143443167	2.11929E-06	9.79399E-05	0.000953485	0.001919245	8.99529E-05
2114 Aug	0.001296337	0.175614312	1.11622E-05	1.830524445	5.577571392	0.072867662	0.000383864	19.49714851	0.002091724	0.01152124	0.000626471	0.000311619	0.000140446	0.147541001	2.24742E-06	0.000111677	0.000916061	0.001975552	0.000126318
2114 Sep	0.001198985	0.133248389	1.04006E-05	1.55909431	5.048791409	0.047596138	0.000511181	19.94865227	0.001880715	0.010724033	0.000386783	0.000245892	0.000121043	0.121238232	2.09659E-06	0.000115367	0.000598447	0.001618322	0.000138942
2114 Oct	0.001179617	0.112031303	9.87981E-06	1.407742381	4.911437988	0.033527017	0.000604244	21.00438118	0.001784012	0.010633698	0.000255146	0.000215429	0.000110071	0.107700691	1.99413E-06	0.000122801	0.000440079	0.001412691	0.000153364
2114 Nov	0.001156541	0.101166293	9.60349E-06	1.320512056	4.686265945	0.025980942	0.000641895	20.62043953	0.00169658	0.010579447	0.000184323	0.00019193	0.00010146	0.099606067	1.93872E-06	0.000123903	0.000356058	0.001299863	0.000152159
2114 Dec	0.001162028	0.100857295	9.60072E-06	1.322585821	4.751950264	0.025923811	0.000647629	21.04016304	0.001711788	0.010581884	0.000183883	0.000194945	0.00010261	0.09991695	1.93863E-06	0.000125195	0.000355012	0.001300246	0.000156131
2115 Jan	0.001165328	0.101031631	9.60262E-06	1.325962067	4.788049698	0.026114423	0.000649547	21.23789024	0.001720658	0.010585017	0.000185142	0.000196713	0.000103286	0.10030403	1.93923E-06	0.000125766	0.000356775	0.001302044	0.000157924
2115 Feb	0.001168336	0.101288937	9.60524E-06	1.329568148	4.818761826	0.026340924	0.000650958	21.39540291	0.001728302	0.010589468	0.00018652	0.000198185	0.000103856	0.100704804	1.93992E-06	0.000126223	0.000358925	0.001303794	0.00015932
2115 Mar	0.001170894	0.101526804	9.61581E-06	1.332658052	4.837598324	0.026483629	0.0006522	21.48666573	0.001733511	0.010602078	0.000187388	0.000199046	0.000104216	0.101001278	1.94212E-06	0.00012655	0.000360389	0.001305875	0.000160092

Appendix D.2-6: B45

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.001179931	0.102364652	9.68812E-06	1.343244791	4.875402927	0.026732488	0.000657035	21.64916229	0.001746908	0.010682585	0.000189019	0.00020058	0.000105017	0.101821102	1.95672E-06	0.000127503	0.000363581	0.001315775	0.000161284
2115 May	0.00121984	0.155846253	9.71796E-06	1.668892384	5.008525848	0.062436972	0.000472488	17.18499374	0.001821385	0.010903751	0.00051887	0.000226142	0.000120154	0.135839194	1.95633E-06	0.000108808	0.000762136	0.001530924	0.000107586
2115 Jun	0.001266338	0.198520809	1.01471E-05	1.940464735	5.169307232	0.089686699	0.000329586	14.12474155	0.001924755	0.011373895	0.000770123	0.000261608	0.000133768	0.16253835	2.03765E-06	9.66325E-05	0.001086359	0.001803494	6.96077E-05
2115 Jul	0.001262459	0.18582499	1.06075E-05	1.838763356	4.949707031	0.078296646	0.000336475	14.54295731	0.001893049	0.01141982	0.000675818	0.000253909	0.000127786	0.150159284	2.13064E-06	9.72875E-05	0.000947911	0.001797337	7.7244E-05
2115 Aug	0.001076777	0.128950045	1.00394E-05	1.448228598	4.400761509	0.044963527	0.000393827	14.1930151	0.00161035	0.009774321	0.000373485	0.000186785	0.000103665	0.110102028	2.0182E-06	9.03355E-05	0.000516511	0.001465335	8.72775E-05
2115 Sep	0.001075437	0.107967213	9.9648E-06	1.38912499	4.390058041	0.034839734	0.000502431	18.18166161	0.001692523	0.009411888	0.000271387	0.000192373	0.000109236	0.103803635	2.00806E-06	0.000103077	0.000384394	0.001383352	0.000127811
2115 Oct	0.00113005	0.104185909	9.8725E-06	1.388452768	4.906657219	0.032481261	0.000571758	21.61666489	0.001798793	0.009662944	0.00024913	0.000212876	0.000115615	0.104984112	1.99348E-06	0.000116367	0.000368984	0.001366853	0.000160673
2115 Nov	0.001132379	0.099427208	9.72125E-06	1.339062691	4.765526772	0.027726289	0.000608712	21.21590805	0.001739633	0.009944809	0.000203187	0.000197975	0.000108398	0.100574531	1.96291E-06	0.000119317	0.000333456	0.001307621	0.000157996
2115 Dec	0.001135263	0.099227741	9.72181E-06	1.338535666	4.781793118	0.027509028	0.000612807	21.33333778	0.001742623	0.009971728	0.000201047	0.000198306	0.000108454	0.100550592	1.96315E-06	0.000119961	0.000332014	0.00130621	0.00015912
2116 Jan	0.0011401	0.099412791	9.72299E-06	1.343038082	4.836728096	0.027752502	0.000615859	21.64210129	0.001755979	0.009975205	0.000202774	0.000201044	0.000109482	0.101082794	1.96372E-06	0.000120855	0.00033431	0.001308799	0.00016195
2116 Feb	0.001142175	0.099740148	9.72892E-06	1.346252084	4.851267338	0.027961336	0.000616411	21.69724464	0.001759898	0.009984636	0.000203836	0.000201638	0.000109733	0.101407535	1.96496E-06	0.000121049	0.000336396	0.001310191	0.000162368
2116 Mar	0.001144013	0.100006297	9.74067E-06	1.348963618	4.859731674	0.028090209	0.000617035	21.7241745	0.001762677	0.009998629	0.0002045	0.000201945	0.000109894	0.101645887	1.96733E-06	0.000121199	0.000337746	0.001311926	0.000162531
2116 Apr	0.00115225	0.10078793	9.80885E-06	1.358992577	4.894853115	0.028339233	0.000621265	21.87452888	0.001775294	0.010069702	0.000206156	0.000203375	0.000110672	0.102419645	1.98109E-06	0.000122044	0.000340631	0.001321177	0.000163631
2116 May	0.001225395	0.139726698	9.86373E-06	1.614872098	5.373919487	0.054163724	0.000527248	20.93371964	0.001918116	0.010476922	0.000444408	0.000240596	0.00012735	0.129624575	1.98998E-06	0.000117383	0.000639441	0.001497408	0.000146042
2116 Jun	0.000986152	0.155672684	9.31212E-06	1.526452541	3.818406582	0.066138759	0.000215744	10.32835197	0.001566439	0.009732701	0.000564812	0.000250086	0.000103215	0.121960215	1.86822E-06	7.57692E-05	0.000889301	0.001802446	4.9255E-05
2116 Jul	0.000983449	0.14458771	1.01064E-05	1.462533236	3.771564245	0.056416921	0.000228489	11.58765507	0.001613714	0.010127255	0.000477466	0.000278592	0.000101478	0.112013347	2.0289E-06	8.1183E-05	0.000827047	0.00199131	6.47136E-05
2116 Aug	0.001045936	0.141131118	1.0569E-05	1.507294536	4.177872181	0.053639878	0.000300695	14.35834122	0.001734467	0.010368225	0.000448542	0.000283896	0.000109983	0.114663728	2.12436E-06	9.14015E-05	0.000767345	0.001981678	8.97201E-05
2116 Sep	0.001058011	0.11437875	1.00099E-05	1.364994764	4.142754555	0.03608916	0.000465985	16.32222176	0.001641876	0.010205491	0.000280461	0.00022123	0.000100208	0.101743497	2.01511E-06	0.000103171	0.000512495	0.001598668	0.000111613
2116 Oct	0.001090482	0.098290615	9.64423E-06	1.261974573	4.038168907	0.022920594	0.00059815	17.0712986	0.001547561	0.010543212	0.000154677	0.00016893	8.88484E-05	0.092539348	1.94302E-06	0.000113421	0.000341293	0.001317844	0.000120562
2116 Nov	0.001109556	0.097407997	9.6628E-06	1.267828465	4.188510418	0.022281755	0.00062025	18.04976273	0.001581153	0.010619247	0.000148462	0.00017269	9.10597E-05	0.093251131	1.9478E-06	0.000117173	0.000331682	0.001307594	0.000129693
2116 Dec	0.001114824	0.097383671	9.66357E-06	1.271635532	4.253722668	0.022428961	0.000624275	18.44065475	0.00159694	0.010618552	0.000149959	0.000176032	9.23223E-05	0.093725421	1.94839E-06	0.000118288	0.000332878	0.001310387	0.000133352
2117 Jan	0.001117311	0.097499587	9.66371E-06	1.274108291	4.282262325	0.022572998	0.000625753	18.59878922	0.001603869	0.01061936	0.000150949	0.000177437	9.28589E-05	0.094017312	1.94858E-06	0.000118736	0.000334177	0.001311626	0.000134798
2117 Feb	0.001118236	0.097675651	9.66434E-06	1.275723577	4.289820194	0.022698272	0.000625872	18.62607002	0.001605772	0.010621704	0.000151577	0.00017774	9.29842E-05	0.094191246	1.94873E-06	0.000118814	0.000335381	0.001312062	0.000135003
2117 Mar	0.001120222	0.097917669	9.67904E-06	1.278368354	4.298025131	0.022794805	0.000626732	18.65488815	0.00160864	0.010638856	0.000152088	0.00017805	9.3146E-05	0.094409488	1.9517E-06	0.000118995	0.000336489	0.001314145	0.000135188
2117 Apr	0.001130562	0.098861955	9.76708E-06	1.290391207	4.337934494	0.023037404	0.000632371	18.82395935	0.00162348	0.01073619	0.000153628	0.000179685	9.4002E-05	0.095310144	1.96945E-06	0.000120074	0.000339889	0.00132614	0.000136397
2117 May	0.001183677	0.138848677	9.86456E-06	1.549168706	4.617273331	0.049643122	0.000514253	16.57524872	0.00172489	0.010987547	0.000399132	0.000204777	0.000108596	0.122209586	1.98538E-06	0.00010993	0.00063249	0.001487913	0.000106052
2117 Jun	0.001150328	0.181366473	9.93152E-06	1.769313812	4.431705475	0.078937925	0.000286201	11.45691776	0.001738286	0.010886471	0.000674039	0.000244225	0.000117276	0.14493534	1.99224E-06	8.64383E-05	0.000995387	0.001797316	5.05468E-05
2117 Jul	0.001166262	0.171942279	1.04836E-05	1.705026627	4.390853882	0.069886237	0.000301013	12.60122967	0.001758423	0.011068407	0.000599179	0.000248324	0.000115375	0.136189833	2.10423E-06	8.99333E-05	0.000890074	0.001833822	6.40486E-05
2117 Aug	0.001160157	0.155661568	1.06474E-05	1.626271248	4.393476486	0.05942665	0.000352594	14.2433939	0.001760272	0.010811769	0.000504653	0.000235993	0.000114192	0.126981363	2.13916E-06	9.41753E-05	0.000740583	0.001747765	8.25081E-05
2117 Sep	0.001177738	0.14275074	1.05756E-05	1.580610275	4.655386448	0.051952288	0.000435167	16.90287018	0.00180574	0.010768762	0.000431951	0.000234957	0.000116154	0.122541562	2.12797E-06	0.000104294	0.000646443	0.001666898	0.000109468
2117 Oct	0.001148983	0.122752823	1.0137E-05	1.437529087	4.374856472	0.038321339	0.000521369	16.9544754	0.001681847	0.010742153	0.00030184	0.000197769	0.000103025	0.109179772	2.04078E-06	0.000109279	0.000495986	0.001474135	0.000113978
2117 Nov	0.001142049	0.118223473	1.00397E-05	1.404753566	4.303331852	0.035198711	0.000540671	16.91902542	0.001651928	0.010739274	0.000272005	0.000188883	9.98879E-05	0.10609559	2.02139E-06	0.0001103	0.00046159	0.001430152	0.000114554
2117 Dec	0.001147813	0.117983818	1.00381E-05	1.407621384	4.373714924	0.03520878	0.000546281	17.35973549	0.001668486	0.010740645	0.000272185	0.000192244	0.000101165	0.106488392	2.02154E-06	0.000111628	0.000461282	0.00143149	0.000118722
2118 Jan	0.001150425	0.118124656	1.00386E-05	1.410294056	4.401966572	0.035361335	0.00054786	17.51339531	0.001675336	0.01074321	0.00027307	0.000193574	0.000101677	0.106798202	2.02181E-06	0.000112078	0.000462665	0.0014326	0.000120117
2118 Feb	0.001151381	0.118376821	1.00407E-05	1.412314296	4.406876564	0.035517972	0.000547803	17.5174942	0.001676684	0.010748298	0.000273741	0.000193688	0.000101739	0.107003815	2.02223E-06	0.000112104	0.000464201	0.001433045	0.000120082
2118 Mar	0.001152635	0.118591055	1.00484E-05	1.414320588	4.412237644	0.035626009	0.000548116	17.53005219	0.001678464	0.010758035	0.00027428	0.000193867	0.000101835	0.107184008	2.02377E-06	0.000112189	0.000465336	0.001434207	0.000120131
2118 Apr	0.001181266	0.126779065	1.00959E-05	1.478231192	4.556580067	0.040773273	0.000544336	17.566185	0.00171737	0.010904237	0.000295908	0.000196709	0.000103467	0.113759674	2.03304E-06	0.000112648	0.000515573	0.001445344	0.000118116
2118 May	0.001229488	0.180625081	9.85983E-06	1.811030507	4.826785564	0.077702925	0.000377787	13.72634983	0.001803102	0.011060504	0.000623533	0.000221137	0.00011902	0.149803683	1.98014E-06	9.63003E-05	0.000923136	0.001609088	6.97066E-05
2118 Jun	0.001062086	0.179814234	9.51257E-06	1.703661084	3.977672577	0.079879425	0.000203852	8.856799126	0.001615702	0.010294822	0.000684162	0.000238646	0.000109426	0.13956441	1.90582E-06	7.389E-05	0.001018474	0.001803163	2.82513E-05
2118 Jul	0.001103282	0.176958472	1.02967E-05	1.706963778	4.1107831	0.074969478	0.000227031	10.34730053	0.001699307	0.010821035	0.000641627	0.000259135	0.000112097	0.136840075	2.06439E-06	8.0539E-05	0.000981769	0.001936442	4.30612E-05
2118 Aug	0.001055377	0.137053087	1.01212E-05	1.505549192	4.061159134	0.051912226	0.000351835	13.66374683	0.001653184	0.00988803	0.00042939	0.000220355	0.000107314	0.115610614	2.03379E-06	8.85126E-05	0.000647952	0.001654859	8.15669E-05
2118 Sep	0.001040462	0.102387965	9.57902E-06	1.290316105	3.82860446	0.028244857	0.000528417	15.29506874	0.001511819	0.009906587	0.000204345	0.000161523	9.05399E-05	0.095026083	1.92785E-06	0.000101809	0.000367151	0.001318194	0.000103116
2118 Oct	0.001075409	0.093554229	9.39977E-06	1.230214953	3.939248085	0.020571886	0.000612395	16.79817581	0.001500741	0.01029205	0.000132398	0.000149545	8.60269E-05	0.090011381	1.89383E-06	0.00011207	0.000291564	0.001211919	0.000118895
2118 Nov	0.001092743	0.092454165	9.39539E-06	1.231686831	4.090643883	0.019826764	0.000633203	17.81029129	0.001533242	0.010365234	0.000125526	0.000154792	8.80478E-05	0.090414412	1.89408E-06	0.000115919	0.000283989	0.001205265	0.000128557
2118 Dec	0.001093819	0.092508182	9.40244E-06	1.232639194	4.095908642	0.019830903	0.000633982	17.83828926	0.001534868	0.010374138	0.00012552	0.000154984	8.81433E-05	0.090488493	1.89552E-06	0.000116062	0.000284094	0.001206081	0.000128793
2119 Jan	0.001096724	0.092667125	9.40459E-06	1.235632658	4.127434254	0.019999627	0.000635638	18.01055336	0.001542651	0.010377289	0.000126668	0.000156541	8.8738E-05	0.090829358	1.89613E-06	0.000116562	0.000285677	0.001207771	0.000130362
2119 Feb	0.00109933	0.092895068	9.4079E-06	1.238772392	4.153162003	0.0201915	0.00063685	18.14163589	0.001549123	0.010382235	0.000127847	0.000157774	8.92173E-05	0.091172457	1.89693E-06	0.000116949	0.000287519	0.001209387	0.000131525
2119 Mar	0.001102657	0.093255103	9.43326E-06	1.242959619	4.166779995	0.020320112	0.000638475	18.19383621	0.001553911	0.010411339	0.000128538	0.000158275	8.9491E-05	0.091509096	1.90204E-06	0.000117271	0.000289017	0.001212797	0.00013188
2119 Apr	0.001193368	0.121855117	9.56255E-06	1.460018277	4.638628006	0.038586855	0.000613387	18.13874435	0.001682084	0.01083913	0.000211662	0.000169612	9.52961E-05	0.113996185	1.92691E-06	0.000117487	0.000468705	0.001258055	0.000123392
2119 May	0.001320807	0.224509895	9.50428E-06	2.114754915	5.385267735	0.108022541	0.000305413	12.43654633	0.001927886	0.011270586	0.000788705	0.000230938	0.000126242	0.183492959	1.90623E-06	9.05584E-05	0.001224924	0.001620813	4.61176E-05
2119 Jun	0.001128467	0.185914695	9.6093E-06	1.782881498	4.487910748	0.084081315	0.000242037	11.26774502	0.001741084	0.010518157	0.000673259	0.000254508	0.000114941	0.147919387	1.92753E-06	8.22858E-05	0.001051355	0.001805865	4.86483E-05
2119 Jul	0.001137482	0.174464926	1.03388E-05	1.725152373	4.606143475	0.074754611	0.000265071	13.52313042	0.001822909	0.010847893	0.000598714	0.000288877	0.000117173	0.139105603	2.07632E-06	9.02067E-05	0.000987084	0.001981159	7.35518E-05
2119 Aug	0.001107354	0.147294536	1.04177E-05	1.599796772	4.452107906	0.058197387	0.000359008	15.05083847	0.001773935	0.010339114	0.000454633	0.000251096	0.000113328	0.124615468	2.09428E-06	9.459E-05	0.000743091	0.001785102	9.22318E-05
2119 Sep	0.001071924	0.114029042	9.91985E-06	1.406945586	4.289645672	0.037731621	0.000494776	16.95168686	0.001667909	0.009887097	0.000275503	0.000202958	0.000103627	0.10597273	1.99749E-06	0.000103493	0.000475259	0.001481114	0.000116196
2119 Oct	0.001088423	0.102596045	9.63379E-06	1.316781521	4.239596844	0.028304588	0.000573555	17.73295593	0.001608692	0.010162935	0.000194452	0.000180019	9.60123E-05	0.098128542	1.9414E-06	0.000111277	0.000375786	0.001336127	0.000125903
2119 Nov	0.001093809	0.099226102	9.55059E-06	1.290650725	4.23129034	0.025541525	0.000597143	18.00188446	0.001592892	0.010244334	0.000170731	0.000173614	9.39011E-05	0.095865324	1.92513E-06	0.00011368	0.000346601	0.001293893	0.00012913
2119 Dec	0.001097812	0.099248298	9.55617E-06	1.293632388	4.274930954	0.025631834	0.000600174	18.26123238	0.001603705	0.010250562	0.000171631	0.0001758	9.474E-05	0.096205689	1.92653E-06	0.000114467	0.0003474	0.001296208	0.000131549

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.045	0.000035	0.000023	0.00000067	0.015	0.0000058	0.0058	2.0E-07	2.0E-07	1.4E-09	1.3E-06	6.8E-07	7.3E-06	1.5E-05	3.5E-09	1.2E-02	4.7E-09	1.9E-07	2.6E-07
Operations (2020-2043): Mean	17322	150	181	4	10091	0.068	995	2.4E-03	2.4E-03	1.9E-04	1.4E-02	2.1E-02	4.3E-01	1.7E-01	3.6E-05	5.0E+02	2.0E-04	7.9E-04	4.0E-03
Operations (2020-2043): Max	39989	950	1107	17	23407	0.163	2276	4.6E-03	4.6E-03	4.5E-04	1.9E-02	4.0E-02	8.7E-01	3.9E-01	6.5E-05	1.2E+03	4.6E-04	2.2E-03	9.1E-03
Active Closure (2044-2050): Min	44	0.035	0.019	0.0014	10	0.025	3.1	1.0E-03	1.0E-03	5.0E-06	7.1E-03	9.9E-04	1.0E-02	1.4E-02	5.0E-06	1.2E+01	1.7E-05	2.0E-04	1.3E-04
Active Closure (2044-2050): Mean	484	1.2	1.7	0.059	262	0.033	31	1.0E-03	1.0E-03	1.0E-05	7.6E-03	2.0E-03	2.5E-02	2.1E-02	6.2E-06	2.6E+01	2.3E-05	2.7E-04	2.6E-04
Active Closure (2044-2050): Max	4152	11	16	0.54	2374	0.077	267	1.3E-03	1.3E-03	5.2E-05	1.1E-02	1.0E-02	1.5E-01	6.2E-02	1.6E-05	1.3E+02	6.6E-05	7.1E-04	1.1E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Post Closure (2051-2119): Min	45	0.028	0.0078	0.0010	9.0	0.022	3.2	1.0E-03	1.0E-03	5.0E-06	6.5E-03	1.0E-03	9.3E-03	1.5E-02	5.0E-06	1.3E+01	1.4E-05	2.0E-04	1.4E-04
Post Closure (2051-2119): Mean	59	0.058	0.012	0.0010	14	0.029	4.9	1.0E-03	1.0E-03	5.0E-06	7.1E-03	1.3E-03	1.0E-02	2.4E-02	5.0E-06	2.0E+01	1.8E-05	2.8E-04	3.0E-04
Post Closure (2051-2119): Max	79	0.081	0.019	0.0014	19	0.036	6.7	1.0E-03	1.0E-03	5.0E-06	7.5E-03	1.6E-03	1.1E-02	3.5E-02	5.0E-06	2.9E+01	2.0E-05	3.7E-04	5.0E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0.044595856	3.49344E-05	2.31694E-05	6.73654E-07	0.014850161	5.79951E-06	0.005772418	2.04625E-07	2.04625E-07	1.42515E-09	1.26823E-06	6.83825E-07	7.33221E-06	1.50459E-05	3.46399E-09	0.011789856	4.7083E-09	1.92693E-07	2.58312E-07
2031 Feb	0.213818684	0.000167496	0.000111088	3.22989E-06	0.071200386	2.78062E-05	0.027676357	9.81091E-07	9.81091E-07	6.833E-09	6.08063E-06	3.27866E-06	3.51549E-05	7.21388E-05	1.66084E-08	0.05652748	2.25743E-08	9.23883E-07	1.2385E-06
2031 Mar	0.408110529	0.000319696	0.00021203	6.16482E-06	0.135898441	5.30731E-05	0.05282519	1.87259E-06	1.87259E-06	1.3042E-08	1.1606E-05	6.2579E-06	6.70994E-05	0.00013769	3.17001E-08	0.107892632	4.30871E-08	1.76339E-06	2.3639E-06
2031 Apr	0.575391769	0.000450737	0.00029894	8.69173E-06	0.191602126	7.48273E-05	0.074477814	2.64014E-06	2.64014E-06	1.83878E-08	1.63631E-05	8.82296E-06	9.46029E-05	0.000194127	4.46937E-08	0.152116954	6.07481E-08	2.48619E-06	3.33284E-06
2031 May	95.76853943	0.221877173	0.655318081	0.011126699	41.98912811	0.014578308	11.88995552	0.000258015	0.000258015	2.03254E-06	0.001853756	0.001418	0.019168764	0.012187623	4.47063E-06	10.49899292	7.21335E-06	0.000236052	0.000190641
2031 Jun	332.6673279	0.802852035	2.449969292	0.041742716	150.0164642	0.054829765	42.06588364	0.000973269	0.000973269	7.66181E-06	0.007382904	0.004842255	0.072878331	0.030466162	1.68616E-05	27.50378036	2.782E-05	0.000762856	0.000441149
2031 Jul	436.5552673	1.203946471	3.801522493	0.063902974	206.0287018	0.074365541	54.19721603	0.000998244	0.000998244	8.34177E-06	0.007436592	0.006407914	0.094286427	0.026041407	1.75053E-05	25.87110901	2.78506E-05	0.000818776	0.000323772
2031 Aug	780.0152588	2.466446161	7.915884972	0.131064638	383.3910522	0.131914884	93.11058044	0.001002533	0.001002533	9.91063E-06	0.007048394	0.011607748	0.157579422	0.029794922	1.82497E-05	35.11680984	2.66148E-05	0.001140035	0.000275997
2031 Sep	675.2619629	2.109156609	6.576202393	0.109241754	328.8276062	0.123250008	81.82466125	0.001011397	0.001011397	9.47152E-06	0.008418038	0.009954287	0.139081985	0.02958636	1.81811E-05	33.99131775	2.68009E-05	0.001049137	0.000275994
2031 Oct	479.45401	1.413370848	4.220078468	0.070803866	228.3515778	0.097648025	60.14002609	0.0010071	0.0010071	8.56094E-06	0.008989277	0.006996724	0.103031456	0.02741156	1.77239E-05	28.98322487	2.54112E-05	0.000844025	0.000280393
2031 Nov	470.9232483	1.382983446	4.120566368	0.069177426	224.0149384	0.096464351	59.17983627	0.001005496	0.001005496	8.51261E-06	0.008968693	0.006868958	0.101464376	0.027263142	1.76805E-05	28.72285271	2.52203E-05	0.00083461	0.000279897
2031 Dec	468.9450989	1.375822783	4.096991539	0.06879279	223.0037842	0.096201226	58.95941162	0.001005463	0.001005463	8.50358E-06	0.008966512	0.006839269	0.101106785	0.027235571	1.76762E-05	28.66761017	2.51805E-05	0.000832544	0.000279873
2032 Jan	467.8930969	1.371624351	4.083148956	0.068566233	222.4364319	0.096015096	58.83821869	0.001005445	0.001005445	8.49819E-06	0.008962002	0.006823862	0.100889407	0.027287716	1.76732E-05	28.68654251	2.51631E-05	0.000831938	0.000281181
2032 Feb	467.4258118	1.369418979	4.075866699	0.068446368	222.1573181	0.09589006	58.78011322	0.001005435	0.001005435	8.49513E-06	0.0089569	0.006817413	0.100766562	0.027372299	1.76703E-05	28.73952675	2.51588E-05	0.000832108	0.00028297
2032 Mar	467.1696777	1.368233204	4.071957111	0.06838192	222.0049133	0.095822379	58.74776077	0.001005429	0.001005429	8.49334E-06	0.008954142	0.006813915	0.100698479	0.027417565	1.76679E-05	28.76792526	2.51562E-05	0.000832181	0.000283925

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Apr	467.0253296	1.367577791	4.069797993	0.068346299	221.9193878	0.095784731	58.72925949	0.001005426	0.001005426	8.49227E-06	0.008952609	0.006811964	0.100659721	0.027442478	1.7666E-05	28.78357506	2.51547E-05	0.000832211	0.000284449
2032 May	511.4768066	1.610980511	4.797953129	0.076471321	245.978363	0.096683167	60.6760025	0.00100356	0.00100356	8.50963E-06	0.009022756	0.007013843	0.102807112	0.028091988	1.79956E-05	29.54574966	2.54251E-05	0.000859007	0.000298283
2032 Jun	483.7522583	1.792450786	5.452530861	0.076091029	237.2835236	0.06354212	45.65052795	0.000993975	0.000993975	7.37772E-06	0.008289874	0.005435597	0.077303872	0.022289081	1.48134E-05	22.94773865	2.80905E-05	0.000722274	0.000268287
2032 Jul	801.9680176	3.22935915	9.979820251	0.13814497	406.4376221	0.096860312	71.82121277	0.00099828	0.00099828	8.25073E-06	0.00802655	0.008837872	0.116430417	0.024223067	1.58392E-05	28.19289398	2.75929E-05	0.000935509	0.000248893
2032 Aug	1729.44104	8.356771469	25.18004417	0.307814509	911.7937012	0.136970252	113.9231339	0.000968277	0.000968277	8.77732E-06	0.009560761	0.012946869	0.166587755	0.032495394	2.35396E-05	41.63647461	2.33091E-05	0.001451086	0.000381129
2032 Sep	1637.645386	7.718307972	23.30210876	0.292084694	858.6311646	0.144099966	115.1628189	0.000962769	0.000962769	8.87713E-06	0.010082666	0.013439603	0.171348169	0.032894455	2.13875E-05	42.66583633	2.64697E-05	0.001435929	0.000354327
2032 Oct	1622.381104	7.732083797	23.24608994	0.289146602	851.3621826	0.140048847	111.6938705	0.000962361	0.000962361	8.63459E-06	0.01091888	0.012972585	0.16415596	0.032935955	2.09393E-05	42.25764084	2.8559E-05	0.001397919	0.000359229
2032 Nov	2058.288574	10.39914417	31.03395081	0.367824882	1093.422852	0.139004216	122.3153915	0.00093825	0.00093825	8.36429E-06	0.012202508	0.013444266	0.169586748	0.035061814	2.56039E-05	45.1512413	2.88473E-05	0.001570191	0.000444767
2032 Dec	2240.416016	11.5842495	34.46021652	0.400623977	1195.757446	0.135179996	124.3500595	0.000926323	0.000926323	8.08073E-06	0.012829149	0.013293521	0.167157724	0.035652276	2.7505E-05	45.80882263	2.8575E-05	0.001620905	0.00048243
2033 Jan	2226.523682	11.5105114	34.23852158	0.398042172	1188.188721	0.134518683	123.5902176	0.000926792	0.000926792	8.06039E-06	0.01279482	0.013217601	0.166124046	0.035673719	2.73615E-05	45.71973038	2.84982E-05	0.001612953	0.000482919
2033 Feb	2219.335449	11.47121906	34.12046814	0.396671623	1184.213379	0.13412337	123.2067413	0.000927044	0.000927044	8.04983E-06	0.012771019	0.01318164	0.165574417	0.035800844	2.72843E-05	45.76039505	2.84689E-05	0.001609801	0.000485394
2033 Mar	2215.437988	11.44991302	34.05644989	0.395928413	1182.057861	0.133909017	122.9988022	0.000927181	0.000927181	8.0441E-06	0.012758113	0.01316214	0.165276378	0.035869773	2.72425E-05	45.78244781	2.8453E-05	0.001608092	0.000486737
2033 Apr	2213.227539	11.43783188	34.02014923	0.395507008	1180.835571	0.133787468	122.8808823	0.000927259	0.000927259	8.04085E-06	0.012750795	0.013151082	0.165107369	0.035908863	2.72187E-05	45.79495239	2.8444E-05	0.001607123	0.000487498
2033 May	1757.743896	9.108108521	26.99611282	0.309242696	932.140564	0.096517593	92.89922333	0.000939504	0.000939504	6.95716E-06	0.011021119	0.009805309	0.119780108	0.039921314	2.07141E-05	45.27148056	2.69686E-05	0.001462149	0.000630247
2033 Jun	1019.256226	4.826013088	14.44035149	0.175289929	524.1516724	0.074578643	64.5916214	0.000971624	0.000971624	6.61646E-06	0.008710378	0.007729968	0.089475214	0.039484128	1.16402E-05	41.15004349	2.81376E-05	0.001138347	0.000600904
2033 Jul	1379.93396	6.594964027	19.91605568	0.245436296	720.2977905	0.10721308	90.73962402	0.000973066	0.000973066	7.52319E-06	0.008757645	0.01059576	0.128745183	0.034643795	1.35879E-05	41.57682419	2.72918E-05	0.00139151	0.000488393
2033 Aug	2379.36792	11.78756046	35.58520889	0.43137607	1261.604126	0.162957594	149.1399536	0.000939546	0.000939546	8.96409E-06	0.010129758	0.016363904	0.207793623	0.03523089	1.97442E-05	52.08946228	2.99891E-05	0.00218105	0.000513163
2033 Sep	1840.14856	9.511509895	28.26104546	0.329244971	979.2046509	0.119589053	102.3748856	0.000950933	0.000950933	7.20441E-06	0.011362387	0.010466631	0.136773393	0.028063228	1.66889E-05	40.57489014	2.57015E-05	0.001670903	0.000415416
2033 Oct	1849.435547	9.684044838	28.68840027	0.330351979	986.302002	0.113516301	98.87888336	0.000935734	0.000935734	6.90081E-06	0.011649447	0.009829689	0.129294172	0.027449125	1.68145E-05	39.66930771	2.56431E-05	0.001658419	0.00042434
2033 Nov	1650.779785	8.636036873	25.54229355	0.293925345	878.9501953	0.105446622	88.20129395	0.000942506	0.000942506	6.6702E-06	0.011304513	0.008813121	0.115670927	0.026267685	1.55193E-05	36.96355438	2.43892E-05	0.001495852	0.000392464
2033 Dec	1648.597656	8.624691963	25.50813293	0.293524355	877.7738037	0.105349086	88.07817078	0.000942578	0.000942578	6.66731E-06	0.011300809	0.008800993	0.115509965	0.026253883	1.55053E-05	36.93244171	2.43741E-05	0.00149404	0.000392126
2034 Jan	2281	17.10887337	35.13158798	0.439284384	1249.391235	0.103966661	124.0754929	0.00099872	0.00099872	1.34855E-05	0.011417574	0.009429372	0.127886072	0.031108811	1.62489E-05	55.2945137	3.09422E-05	0.0014732	0.000525077
2034 Feb	3482.681885	33.21378326	53.41979218	0.716161132	1955.443481	0.10142836	192.4662628	0.001105141	0.001105141	2.64212E-05	0.01164327	0.010631047	0.151499167	0.040318485	1.76733E-05	90.14463806	4.34125E-05	0.001435253	0.000777393
2034 Mar	4620.191895	48.4562645	70.73190308	0.978241086	2623.782471	0.099043824	257.2027588	0.001205841	0.001205841	3.86632E-05	0.011857966	0.011769475	0.173867539	0.049024459	1.90234E-05	123.1204758	5.52145E-05	0.001399506	0.001016004
2034 Apr	5736.73291	63.41645813	87.72515869	1.235483646	3279.796387	0.096713126	320.744751	0.001304662	0.001304662	5.06779E-05	0.012069275	0.012887419	0.195832387	0.057563487	2.03496E-05	155.4812775	6.67978E-05	0.001364512	0.00125009
2034 May	6123.327148	69.33361053	93.46778107	1.328451157	3510.148438	0.089905396	343.2190857	0.001350957	0.001350957	5.57737E-05	0.011810529	0.012989633	0.199071571	0.063166372	2.02914E-05	169.8686981	7.18857E-05	0.001295133	0.001385769
2034 Jun	3190.631836	34.75359344	47.63116837	0.68146199	1807.708862	0.070848338	186.997467	0.001174337	0.001174337	3.07823E-05	0.009365088	0.009170938	0.126940608	0.050968148	1.31361E-05	101.85289	4.94529E-05	0.000977508	0.000960584
2034 Jul	5559.144531	62.08906555	84.28288269	1.203847051	3178.82373	0.092869528	316.5057983	0.001331336	0.001331336	5.10471E-05	0.010435612	0.013483753	0.200381413	0.063180849	1.93554E-05	157.0145111	6.88131E-05	0.001314512	0.001333826
2034 Aug	11457.25	136.634491	174.071579	2.540075541	6619.492676	0.120636143	655.2759399	0.001792568	0.001792568	0.000109794	0.012184943	0.022470769	0.356875867	0.104370341	2.92368E-05	318.1796875	0.000125243	0.001576973	0.002439185
2034 Sep	5114.543945	51.09629059	78.4614563	1.07196629	2895.410156	0.12521711	280.0597534	0.00120529	0.00120529	3.96743E-05	0.012729835	0.014434561	0.215610594	0.053297952	2.29528E-05	128.9372406	5.87801E-05	0.001817591	0.001098583
2034 Oct	3655.945313	32.72494125	56.95979309	0.739490926	2049.331299	0.107053533	186.1197357	0.001069253	0.001069253	2.42526E-05	0.012548013	0.010715855	0.160739735	0.040599983	2.10063E-05	85.38115692	4.19376E-05	0.001723647	0.000817752
2034 Nov	5893.706543	62.3890686	91.17101288	1.252651453	3362.864014	0.101553351	311.5279236	0.001260421	0.001260421	4.77806E-05	0.013063512	0.012846256	0.203482538	0.057356358	2.39649E-05	149.0901337	6.4535E-05	0.001684117	0.001288061
2034 Dec	7966.963379	90.34227753	122.673439	1.731358886	4581.561035	0.09683609	430.4037476	0.001447059	0.001447059	7.03372E-05	0.013405448	0.01491825	0.243877888	0.073266335	2.62455E-05	209.7415466	8.62375E-05	0.001600902	0.001722356
2035 Jan	10578.33301	125.5234146	162.3537598	2.334151268	6116.405273	0.091022871	580.1156006	0.001681728	0.001681728	9.87163E-05	0.013840082	0.017542051	0.294917285	0.09333124	2.91371E-05	286.1032104	0.000113562	0.001499118	0.002269792
2035 Feb	13402.81934	163.583847	205.2679291	2.986198902	7776.535645	0.084761508	742.1062622	0.001935728	0.001935728	0.000129426	0.014307339	0.020383911	0.350162894	0.11504592	3.22556E-05	368.7316895	0.000143133	0.001388309	0.002861921
2035 Mar	15821.37988	196.1711273	242.0153961	3.544522285	9198.066406	0.079425596	880.8106079	0.002153171	0.002153171	0.000155718	0.01470895	0.022818411	0.397491574	0.133623034	3.49285E-05	439.4657898	0.000168452	0.001293667	0.003368627
2035 Apr	17987.0625	225.348877	274.9212341	4.044457912	10470.95996	0.074661896	1005.007874	0.00234784	0.00234784	0.000179259	0.015069515	0.024999011	0.439884514	0.150248751	3.73238E-05	502.7925415	0.000191121	0.001209104	0.003822182
2035 May	18978.39648	239.1051178	289.8605652	4.275532246	11054.88379	0.070277825	1063.256836	0.002444132	0.002444132	0.000190597	0.015055886	0.025960021	0.457922161	0.159066275	3.80778E-05	533.6332397	0.000202161	0.001135226	0.004015555
2035 Jun	5912.828125	72.28327179	88.99435425	1.317334771	3415.146484	0.061210144	343.448761	0.001432684	0.001432684	6.15174E-05	0.009715454	0.011575349	0.179448083	0.066849351	1.57722E-05	178.7825317	7.97702E-05	0.000753215	0.001441014
2035 Jul	7632.385254	94.06249237	115.0742035	1.708122611	4417.968262	0.071511053	444.9515991	0.00157666	0.00157666	7.89065E-05	0.010153962	0.014505824	0.227875933	0.07744012	1.85994E-05	225.1760712	9.67423E-05	0.000801204	0.001729123
2035 Aug	8801.351563	100.0255356	133.4395447	1.922193408	5048.786621	0.136862472	512.2212524	0.001531519	0.001531519	8.02479E-05	0.011554435	0.021206586	0.316046357	0.082629219	2.71357E-05	240.5902252	9.56748E-05	0.001675338	0.001817106
2035 Sep	5357.655762	54.1446991	82.73183441	1.121528745	3034.124512	0.110555694	291.8071899	0.001216694	0.001216694	4.11262E-05	0.012955013	0.013946376	0.201669157	0.053961694	2.46722E-05	134.95047	5.82859E-05	0.001687411	0.00114852
2035 Oct	6855.364746	76.69785309	104.9390259	1.482668042	3926.72583	0.102046616	383.4605713	0.001387969	0.001387969	6.0677E-05	0.01287455	0.01495236	0.225876093	0.066640943	2.41545E-05	184.7071838	7.74237E-05	0.001414325	0.001471024
2035 Nov	7870.431641	89.88652802	120.3993988	1.714316726	4520.708496	0.102280281	441.4223328	0.001464323	0.001464323	7.11092E-05	0.013075971	0.016227715	0.248915523	0.074244089	2.55836E-05	213.3357086	8.77279E-05	0.001424521	0.001679603
2035 Dec	10745.17969	128.5969238	164.1431122	2.377757788	6210.939453	0.095200904	604.9743652	0.001721312	0.001721312	0.000102261	0.013571545	0.018980971	0.304231554	0.096170738	2.87806E-05	296.9667664	0.000117627	0.001321018	0.002283647
2036 Jan	14838.85938	184.1994629	227.0212097	3.331302881	8617.586914	0.085496508	838.0336304	0.002090247	0.002090247	0.000147005	0.014289104	0.021041399	0.383500874	0.128005505	3.34015E-05	416.0549011	0.000160632	0.001177643	0.003152048
2036 Feb	19304.2832	245.1266785	295.934967	4.376307964	11242.75	0.074942544	1092.267212	0.002494424	0.002494424	0.000196031	0.015077895	0.022252478	0.470020413	0.163037896	3.84747E-05	545.9443359	0.000207762	0.001021755	0.004103696
2036 Mar	22671.11133	291.0596924	347.8944702	5.164187431	13222.04883	0.067013942	1283.950439	0.002799096	0.002799096	0.000232989	0.015674293	0.023169708	0.535280645	0.18943435	4.23031E-05	643.8582764	0.000243293	0.000904505	0.00482088
2036 Apr	25289.85352	326.7247009	388.3157043	5.776591301	14761.00195	0.061010543	1433.161865	0.00303506	0.00303506	0.000261657	0.01614506	0.023910422	0.586245656	0.210043833	4.53307E-05	720.0046387	0.000270891	0.000818454	0.00538
2036 May	27173.26563	352.3359985	417.3960571	6.216835976	15867.16602	0.056705382	1540.767456	0.003204074	0.003204074	0.000282224	0.016475538	0.024440659	0.623056054	0.225104302	4.7543E-05	774.9307251	0.000290759	0.000760777	0.005786302
2036 Jun	13813.21191	176.3253937	211.6283417	3.142208338	8037.557617	0.058279917	791.8551636	0.002085787	0.002085787	0.000143235	0.012327609	0.015159074	0.344396859	0.122288242	2.81149E-05	397.7633057	0.000158636	0.000727789	0.002994016
2036 Jul	13221.11621	168.2169495	202.317276	3.008088827	7685.730957	0.070807882	766.0055542	0.002043437	0.002043437	0.000137265	0.011731196	0.015416343	0.345208764	0.117422879	2.72659E-05	381.2033691	0.000152154	0.000752505	0.002830812
2036 Aug	27540.25781	357.1611328	422.9895935	6.312658787	16066.88867	0.074648187	1582.531738	0.00326253	0.00326253	0.000287074	0.015698977	0.024674052	0.655587316	0.229253933	4.7947E-05	789.1256714	0.00029621	0.000785588	0.005822347
2036 Sep	15827.9209	191.0465546	243.3740387	3.530868053	9127.682617	0.122196801	926.821228	0.002077029	0.002077029	0.000149962	0.015276948	0.023670742	0.446859241	0.13574101	4.00043E-05	440.2416382	0.000167748	0.001633523	0.00327549
2036 Oct	13655.72656	171.8961945	210.022644	3.089111567	7923.781738	0.07091599	786.6335449	0.002028221	0.002028221	0.000137909	0.01343614	0.015009074	0.339814365	0.120236263	3.03359E-05	390.4923401	0.000150168	0.000838547	0.002916383
2036 Nov	19880.70313	253.5553589	306.0507507	4.521981716	11565.17969	0.068370067	1140.03064	0.002542073	0.002542073	0.00020231	0.015137049	0.019261999	0.473867536	0.167928413	3.97084E-05	565.9711914	0.000213596	0.000885723	0.004218641
2036 Dec	23878.42773	307.690033	367.5903625	5.453718185	13915.55859	0.060876284	1365.678223	0.002899295	0.002899295	0.000245798	0.015912423	0.021006633	0.553671658	0.199093163	4.4417E-05	681.2446899	0.000255585	0.000787947	0.005068362
2037 Jan	27542.91406	454.5870972	536.4311523	7.998648167	16073.06055	0.052309521	1572.142578	0.003247728	0.003247728	0.000287943	0.016582714	0.022788491	0.625095487	0.230279267	4.86345E-05	787.5275879	0.000296095	0.000665489	0.005886333
2037 Feb	30034.76758	642.7374878	753.6756592	11.26701069	17540.53906	0.046188392	1712.489014	0.003498266	0.003498266	0.000318254	0.017066097	0.02437081	0.673436403	0.253747553	5.16758E-05	859.8328247	0.000325238	0.000578302	0.006474991
2037 Mar	31898.93359	782.9642944	915.5897827	13.70292568	18638.33398	0.041641813	1817.488159	0.003685529	0.003685529	0.000340913	0.017429477	0.025555402	0.70962888	0.271271408	5.39545E-05	913.9034424	0.000347024	0.00051338	0.006914784
2037 Apr	33398.98828	895.5411377	1045.57959	15.65854263	19521.6875	0.037999351	1901.981201	0.003836133	0.003836133	0.000355138	0.017722744	0.026509032	0.738766074	0.285356313	5.57897E-05	957.4022827	0.000363548	0.000461287	0.007268386
2037 May	25842.05664	731.1229248	853.1425781	12.78157806	15097.50879	0.036149442	1473.584106	0.003201273	0.003201273	0.000279763	0.015155543	0.021321863	0.576565206	0.23184748	4.41849E-05	748.6432495	0.000288019	0.000469094	0.005787874
2037 Jun	14425.85352	421.4627686	493.8886108	7.396219254	8397.870117	0.053372711	833.6609497	0.002201448	0.002201448	0.00015648	0.011830804	0.015422496	0.354163498	0.145117477	2.81213E-05	427.7953491	0.000171115	0.000668636	0.003415952
2037 Jul	16121.84863	513.8691406	602.2752686	9.018669128	9385.543945	0.061467107	933.3044434	0.002343011	0.002343011	0.000174605	0.012433017	0.017692022	0.39956817	0.157220736	3.13786E-05	473.0610962	0.000188879	0.000729667	0.003731427
2037 Aug	23297.4043	856.4932861	1004.302124	15.03599262	13563.59375	0.095251411	1353.826172	0.002950397	0.002950397	0.000251014	0.015048566	0.02687321	0.589217067	0.213116944	4.47588E-05	669.817749	0.000262753	0.001019618	0.005148206
2037 Sep	21862.74805	823.0457764	964.0026245	14.43589783	12734.12109	0.086812913	1267.705566	0.002839927	0.002839927	0.000236911	0.015134894	0.024432348	0.544631541	0.200333387	4.18608E-05	629.4815674	0.000248686	0.000876101	0.00483078
2037 Oct	13196.60547	484.030426	570.5595703	8.52094841	7657.520508	0.080636702	770.588562	0.002061337	0.002061337	0.000140948	0.013317943	0.016952205	0.34447971	0.126691788	2.98049E-05	381.9752197	0.000154198	0.000848294	0.002945475
2037 Nov	19281.16016	730.5211182	854.6715088	12.79678059	11237.40039	0.065736949	1111.512939	0.002627336	0.002627336	0.000210161	0.014483618	0.019958615	0.461613089	0.177955925	3.71194E-05	556.8989258	0.000220651	0.00066444	0.004297181
2037 Dec	24517.94336	940.6130981	1097.404785	16.44586945	14314.84375	0.054382339	1405.524292	0.00310946	0.00310946	0.000269099	0.015619926	0.022810258	0.563932478	0.221934348	4.38682E-05	706.8366089	0.000277461	0.000544941	0.005458258
2038 Jan	27907.32617	950.0930786	1107.414917	16.90537453	16307.17676	0.04679139	1595.737793	0.003429681	0.003429681	0.000308204	0.016358811	0.025187509	0.629948199	0.251696974	4.8286E-05	803.9678345	0.000315143	0.000462155	0.006227763
2038 Feb	30108.10156	833.8751221	971.6828003	15.36343479	17600.96289	0.041715149	1719.206665	0.00364457	0.00364457	0.000334447	0.016854694	0.027266858	0.672694921	0.272237394	5.12526E-05	867.0343628	0.000340435	0.000406932	0.006744374
2038 Mar	31774.81055	746.3378906	869.4467773	14.20287323	18580.77539	0.037888739	1812.718262	0.003807257	0.003807257	0.000354316	0.017231073	0.028840851	0.70508486	0.287777394	5.35005E-05	914.7868652	0.000359585	0.0003652	0.007135324
2038 Apr	33126.01563	675.6070557	786.8388672	13.26555061	19375.10742	0.034795523	1888.530762	0.003939119	0.003939119	0.000370421	0.017536612	0.030116515	0.731351554	0.300367892	5.53234E-05	953.4949951	0.000375107	0.000331413	0.007452123
2038 May	30636.99219	556.6109619	648.2600098	11.24253941	17917.20703	0.034034748	1747.210449	0.003723621	0.003723621	0.000343542	0.016648473	0.028365538	0.67806536	0.282298267	5.14476E-05	884.843689	0.000349332	0.000343109	0.006960235
2038 Jun	15833.92383	251.6755524	294.4396973	5.27226305	9234.65918	0.047695693	912.507019	0.00239074	0.00239074	0.000178699	0.012072288	0.017711077	0.378563851	0.163357392	2.95625E-05	469.5366516	0.000191973	0.00053599	0.003814024
2038 Jul	20133.13867	196.1184998	230.2135162	4.840722561	11752.54004	0.048892207	1157.621704	0.002786551	0.002786551	0.00022714	0.013424732	0.022056289	0.47219041	0.19825305	3.64566E-05	589.0079346	0.000238575	0.000525816	0.004720196
2038 Aug	19779.26172	61.4551506	79.0905304	2.796662092	11505.58984	0.106556915	1160.833984	0.002685293	0.002685293	0.000218819	0.013783367	0.028013838	0.526275277	0.19082427	3.96197E-05	571.8330688	0.000230431	0.001018076	0.004451983
2038 Sep	15882.16016	41.68820572	56.03408051	2.129738808	9224.422852	0.101769425	936.4525757	0.002331835	0.002331835	0.000175017	0.013806809	0.02369459	0.432230294	0.156568229	3.39705E-05	461.0964355	0.000189569	0.000976792	0.003590642
2038 Oct	18486.76563	46.88040543	58.09753036	2.440956354	10783.02441	0.060685199	1066.296143	0.002617537	0.002617537	0.000208134	0.014078397	0.0214731	0.439464271	0.178514123	3.53863E-05	537.0181274	0.000217894	0.000548785	0.004229941
2038 Nov	26763.15625	67.18099976	80.53211975	3.52045393	15640.28711	0.045926165	1532.047241	0.003382517	0.003382517	0.000302228	0.016105607	0.027897278	0.60481298	0.250744939	4.70541E-05	772.6960449	0.00030908	0.000430371	0.006099687
2038 Dec	31208.82422	77.98685455	92.11634827	4.098655224	18251.85742	0.036555223	1781.376709	0.003798598	0.003798598	0.000353153	0.017126502	0.031125059	0.691861868	0.28961271	5.30398E-05	899.5778198	0.000358236	0.000338589	0.007105845
2039 Jan	34231.41016	79.54302979	93.32836151	4.18609333	20027.41797	0.030577179	1950.996094	0.004066089	0.004066089	0.000385857	0.01776815	0.033067577	0.751416981	0.313304424	5.68302E-05	985.9580078	0.000389806	0.000277237	0.007751318
2039 Feb	36377.02734	76.21473694	89.12290192	4.013667583	21287.58594	0.026628444	2071.502197	0.004243606	0.004243606	0.000407556	0.018192079	0.034260448	0.793960571	0.327989846	5.93393E-05	1047.313721	0.000410756	0.00023642	0.008179625

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Mar	37828.10938	73.99602509	86.31416321	3.898784876	22139.85938	0.023969481	2152.998047	0.00436378	0.00436378	0.000422245	0.018479148	0.035068337	0.822741151	0.337925345	6.10355E-05	1088.800049	0.000424937	0.000208596	0.008469235
2039 Apr	38916.13281	72.34799194	84.22363281	3.813501596	22778.91797	0.021978445	2214.098389	0.004453973	0.004453973	0.000433267	0.018694157	0.035673901	0.844320774	0.345377654	6.23053E-05	1119.903809	0.000435577	0.0001875	0.008686363
2039 May	39522.14453	70.75615692	82.2938385	3.730615377	23134.64453	0.021204567	2248.307373	0.004502317	0.004502317	0.000439177	0.018800063	0.036023397	0.856852591	0.349330366	6.29791E-05	1137.320801	0.000441353	0.000179414	0.008804317
2039 Jun	17854.85352	32.04408646	40.45264053	1.665383101	10416.61621	0.045026809	1029.263794	0.002532315	0.002532315	0.000197389	0.013204725	0.019798091	0.421816021	0.164160326	3.36818E-05	517.4552612	0.000210824	0.000515894	0.004003779
2039 Jul	10161.81348	17.95874023	25.08258057	0.926292419	5900.558105	0.071224749	600.6635742	0.001837882	0.001837882	0.000111892	0.010495785	0.015186847	0.282711685	0.099705346	2.2624E-05	298.1680908	0.000126763	0.000656963	0.002272115
2039 Aug	13099.06738	20.65495682	28.49820328	1.062240601	7620.115723	0.072786219	767.6040039	0.002087927	0.002087927	0.000142947	0.010894208	0.017537573	0.342239887	0.123782508	2.72289E-05	382.2106934	0.000152548	0.000648786	0.002905549
2039 Sep	20683.60547	31.03950882	42.45308304	1.589411378	12046.33496	0.083413132	1205.894531	0.002722274	0.002722274	0.000223004	0.014750316	0.025496786	0.517474055	0.187642321	3.98989E-05	599.0655518	0.000234898	0.000845412	0.004553617
2039 Oct	23408.38281	33.96824265	43.82338333	1.758101106	13659.44336	0.065829627	1351.813354	0.002987406	0.002987406	0.000254575	0.015323234	0.025739394	0.555197716	0.209877878	4.22391E-05	677.7216187	0.000264437	0.000633485	0.005163416
2039 Nov	31999.66406	45.24408722	55.2882309	2.362959146	18706.99414	0.043744691	1831.580811	0.003763405	0.003763405	0.000349545	0.017253906	0.031130377	0.718115568	0.279930472	5.34962E-05	922.5227661	0.000355594	0.000437573	0.007046922
2039 Dec	35761.89844	50.06374359	59.90161133	2.625406265	20919.27344	0.034241743	2041.228271	0.004107653	0.004107653	0.000391448	0.018025678	0.033418689	0.789580941	0.310723424	5.81221E-05	1029.946533	0.000395803	0.000333402	0.007870139
2040 Jan	37705.50781	69.11862946	81.23369598	3.637257338	22062.70703	0.0288292	2149.311523	0.004304882	0.004304882	0.000415447	0.018463993	0.035426065	0.826029837	0.329951704	6.07595E-05	1085.425415	0.000418837	0.000273472	0.008341679
2040 Feb	38733.48828	95.85897064	111.5843735	5.05371666	22667.97852	0.025453201	2206.263428	0.004428562	0.004428562	0.000430497	0.018738369	0.037318926	0.844823778	0.343447089	6.24127E-05	1114.736816	0.000433285	0.000236055	0.008637468
2040 Mar	39449.72656	114.3357239	132.5527954	6.032485485	23089.70703	0.023115756	2245.941406	0.004514587	0.004514587	0.000440963	0.018928938	0.038629707	0.857929647	0.352811724	6.35597E-05	1135.154175	0.000443332	0.000209847	0.008842939
2040 Apr	39988.53906	128.1694489	148.2519226	6.765300751	23406.96289	0.021366224	2275.793457	0.00457922	0.00457922	0.000448827	0.019072387	0.039612953	0.867797673	0.359839648	6.44218E-05	1150.510742	0.000450881	0.000190171	0.008997245
2040 May	37935.92969	130.0702362	150.3764801	6.86652565	22203.61914	0.021548688	2159.322998	0.004404494	0.004404494	0.000427165	0.01844806	0.03817207	0.824180901	0.345380902	6.15159E-05	1093.170166	0.00043003	0.000208186	0.008594249
2040 Jun	16964.48242	61.44025803	72.15751648	3.242833376	9903.535156	0.041240171	974.9945068	0.002508565	0.002508565	0.000192826	0.012246639	0.020138694	0.397228211	0.172624961	3.07867E-05	501.4705811	0.000205524	0.000456201	0.00406316
2040 Jul	17159.4668	68.6685257	81.95913696	3.614910126	10006.12988	0.055476494	993.7420044	0.002511726	0.002511726	0.000194415	0.012565755	0.022221569	0.417712539	0.173062518	3.24977E-05	504.4770203	0.000207588	0.000591546	0.004058614
2040 Aug	23899.42383	116.8547745	140.778656	6.130838871	13928.68262	0.080761202	1392.35022	0.003095482	0.003095482	0.000269442	0.015201693	0.032865353	0.589216232	0.231012419	4.63623E-05	691.5133057	0.000278846	0.0008714	0.005497253
2040 Sep	21763.72266	108.3901291	130.7329102	5.683586597	12680.06152	0.08068952	1269.503296	0.002903645	0.002903645	0.000245695	0.015037669	0.030331006	0.539735258	0.211815447	4.29939E-05	630.8195801	0.00025574	0.000838979	0.005007926
2040 Oct	23112.92188	115.342514	135.5844727	6.073515892	13498.14746	0.055191357	1330.648438	0.003074505	0.003074505	0.000264343	0.015218241	0.028531276	0.536671281	0.223840877	4.22507E-05	670.317627	0.000272582	0.000493937	0.005340465
2040 Nov	29353.61523	146.6646271	170.7987061	7.732991219	17162.23828	0.041236769	1680.238159	0.0036593	0.0036593	0.000336166	0.016768327	0.033954903	0.657744765	0.279334128	5.10802E-05	847.8135986	0.000341935	0.00038156	0.006769095
2040 Dec	32963.97266	164.772171	190.9857941	8.694768906	19283.35742	0.033246379	1881.990723	0.004000697	0.004000697	0.000377927	0.01760678	0.037036844	0.727774441	0.311508	5.59647E-05	950.5830078	0.000382229	0.000302922	0.007594042
2041 Jan	35199.19922	172.177948	199.0856171	9.089468002	20596.8418	0.02817072	2006.789917	0.004217683	0.004217683	0.000404448	0.018131034	0.038519554	0.771005869	0.332383335	5.90356E-05	1014.219543	0.000407818	0.00025142	0.008117592
2041 Feb	36634.64453	173.6898499	200.5478516	9.171631813	21440.50977	0.02480598	2086.866211	0.004361645	0.004361645	0.000422035	0.018475551	0.03911221	0.798668504	0.346591085	6.10599E-05	1055.081665	0.000424786	0.000216654	0.008464624
2041 Mar	37618.04297	174.7461395	201.5728607	9.229016304	22018.5	0.022510674	2141.723633	0.004460255	0.004460255	0.000434082	0.018711615	0.039520483	0.817627013	0.356312096	6.24453E-05	1083.069946	0.000436409	0.000192742	0.00870213
2041 Apr	38362.26172	175.5549469	202.359726	9.272938728	22455.91211	0.020779377	2183.240479	0.004534865	0.004534865	0.000443196	0.018890454	0.039830804	0.831979871	0.363662809	6.34938E-05	1104.248291	0.000445202	0.000174652	0.008881762
2041 May	38277.49219	173.2787933	200.210083	9.147089005	22401.64844	0.021680141	2180.741455	0.004520928	0.004520928	0.000441981	0.019008871	0.039854717	0.832027137	0.363580108	6.40521E-05	1101.994019	0.0004443	0.000225973	0.008878522
2041 Jun	19865.60938	88.99084473	104.1391296	4.693097115	11605.95996	0.038038354	1140.491211	0.002808112	0.002808112	0.000230431	0.013682651	0.022924615	0.457116038	0.195086479	3.65682E-05	576.3378906	0.000241945	0.000386536	0.004640853
2041 Jul	13100.8252	57.50613785	68.86952209	3.032091618	7633.539063	0.059530195	763.5042114	0.002173144	0.002173144	0.000152302	0.011595203	0.018047394	0.336053014	0.133901	2.65346E-05	383.1452942	0.000167565	0.000533647	0.003058795
2041 Aug	19798.16406	84.2811203	102.5474472	4.419379711	11529.66211	0.079602525	1160.047852	0.002758421	0.002758421	0.000226393	0.014210699	0.026977075	0.501822233	0.197127253	4.01823E-05	574.8776855	0.000238467	0.000843277	0.004606678
2041 Sep	24195.86328	101.8525925	123.8290482	5.335066795	14095.36035	0.086290456	1415.999146	0.0031436	0.0031436	0.000275843	0.016309857	0.03197315	0.602092266	0.23883523	4.82643E-05	701.0974121	0.000287223	0.00095372	0.005631686
2041 Oct	23874.14258	100.4581451	119.5519028	5.275316238	13932.35352	0.059098776	1381.408569	0.003153763	0.003153763	0.000274879	0.015976351	0.028265981	0.559899569	0.235376343	4.55093E-05	692.3859863	0.000283806	0.000625668	0.005587344
2041 Nov	30916.20508	130.0396271	152.1154785	6.848602772	18072.68555	0.039988812	1772.52002	0.003828558	0.003828558	0.000357504	0.017535832	0.03324274	0.692051113	0.299318343	5.48731E-05	892.5727539	0.000363072	0.000432475	0.007216434
2041 Dec	34447.82422	144.8531952	168.3440399	7.638237	20149.75781	0.031257745	1968.46875	0.004169509	0.004169509	0.00039906	0.01828164	0.035769235	0.759201765	0.331472963	5.94014E-05	992.9915161	0.000403018	0.000330572	0.008030775
2042 Jan	36196.27734	143.9948273	166.8802948	7.59714365	21179.08008	0.026327161	2064.974854	0.004360405	0.004360405	0.000422273	0.018679446	0.037150782	0.79179436	0.351247698	6.18541E-05	1042.660156	0.000425321	0.000269178	0.008484382
2042 Feb	37066.23047	135.3774567	156.6937714	7.144296646	21691.875	0.023327451	2112.6604	0.004476774	0.004476774	0.000436417	0.01891927	0.037990324	0.807468712	0.364923954	6.33389E-05	1067.313354	0.00043891	0.000231344	0.008760686
2042 Mar	37667.07422	129.5034027	149.7497559	6.835615158	22046.02148	0.021276364	2145.60791	0.004556916	0.004556916	0.000446159	0.019085411	0.038570207	0.818315983	0.374324948	6.4364E-05	1084.334595	0.000448271	0.000205407	0.008950873
2042 Apr	38119.48828	125.0726547	144.5254211	6.602617264	22312.54297	0.0197683	2170.498291	0.004617019	0.004617019	0.000453481	0.019215818	0.039016776	0.826545537	0.381402284	6.51573E-05	1097.151123	0.000455312	0.000187379	0.009094209
2042 May	37295.34766	118.065773	136.4810638	6.232457638	21829.13281	0.019943485	2123.881836	0.004548911	0.004548911	0.000445067	0.018966652	0.038373463	0.809323251	0.376235515	6.40468E-05	1074.200684	0.000447278	0.000198397	0.008940672
2042 Jun	21621.87109	66.39917755	77.74699402	3.505401611	12638.92578	0.03754114	1238.673096	0.003048672	0.003048672	0.000259666	0.014232544	0.024468727	0.493998826	0.225100577	3.96788E-05	627.0030518	0.000270132	0.000344662	0.005222113
2042 Jul	14510.95801	41.88354874	51.04525375	2.204411983	8458.148438	0.06052202	845.2536621	0.002352005	0.002352005	0.000174663	0.012020786	0.019719712	0.365973234	0.15709953	2.98521E-05	423.8887329	0.000187694	0.000542366	0.00352053
2042 Aug	9487.209961	24.01628113	32.21302032	1.246717215	5496.533691	0.089271031	572.2521362	0.001848811	0.001848811	0.000113888	0.010226407	0.016957782	0.281043112	0.111017801	2.40375E-05	282.933075	0.000122066	0.000782406	0.00232806
2042 Sep	16634.37305	40.64071274	51.24641418	2.119370937	9683.804688	0.078477904	977.6276245	0.002545972	0.002545972	0.000200271	0.013875423	0.023619259	0.424677491	0.183533922	3.58699E-05	487.0212097	0.000210982	0.000749412	0.004083653
2042 Oct	18289.53711	44.37807465	54.65745163	2.322828531	10662.57813	0.069637567	1065.8125	0.002721323	0.002721323	0.000221269	0.014484488	0.024239486	0.449519873	0.200213432	3.75292E-05	534.09729	0.000231944	0.000632838	0.004490324
2042 Nov	27371.74609	65.80513763	78.19150543	3.458688021	15995.95117	0.045986846	1573.337524	0.003623027	0.003623027	0.00033215	0.016873628	0.031500701	0.62204951	0.290400773	5.12826E-05	791.9985352	0.00033868	0.000452842	0.006700571
2042 Dec	31263.86914	74.90397644	87.92007446	3.944681883	18284.33789	0.035731349	1789.257935	0.004015172	0.004015172	0.000380018	0.017787982	0.034461703	0.695411921	0.329135656	5.67179E-05	902.4521484	0.000384698	0.000346374	0.007643666
2043 Jan	33323.01172	79.82540131	93.1360321	4.208033562	19495.65039	0.029845735	1903.132813	0.004239776	0.004239776	0.000407404	0.018299846	0.036139861	0.733737409	0.352779448	5.97824E-05	960.8324585	0.00041102	0.000282967	0.008182523
2043 Feb	34452.49219	82.62915039	96.07274628	4.35840416	20160.60352	0.026185574	1965.297485	0.004379016	0.004379016	0.000424364	0.018610682	0.037169531	0.754310787	0.368717015	6.16549E-05	992.7982788	0.000427317	0.000242232	0.008515795
2043 Mar	35229.71484	84.55756378	98.09198761	4.461843491	20618.18555	0.023676692	2008.068604	0.004474756	0.004474756	0.000436024	0.018824164	0.0378769	0.768473744	0.379659563	6.294E-05	1014.789246	0.000438522	0.000214066	0.008744735
2043 Apr	35818.46094	86.01820374	99.62199402	4.540187359	20964.80273	0.021782994	2040.471802	0.004547231	0.004547231	0.000444851	0.018986072	0.038412936	0.779209316	0.387937814	6.39135E-05	1031.445557	0.000447004	0.000192777	0.008917998
2043 May	34767.06641	83.53853607	96.72550201	4.409827709	20348.61328	0.021688314	1980.552612	0.004451438	0.004451438	0.000432937	0.01861489	0.037434589	0.756750524	0.3795802	6.22522E-05	1002.212036	0.00043557	0.000200738	0.008698583
2043 Jun	18643.26563	44.91968536	52.95535278	2.370669127	10890.27832	0.037933756	1069.852173	0.002838453	0.002838453	0.000233575	0.013330063	0.022506515	0.42967993	0.218546942	3.61075E-05	547.9378052	0.000244573	0.00040976	0.004844975
2043 Jul	18173.60547	44.00035095	52.6113205	2.31861639	10609.04199	0.047410253	1048.550781	0.002786514	0.002786514	0.000227808	0.013229608	0.02301392	0.429821134	0.212543219	3.621E-05	532.8355103	0.000238564	0.000478749	0.004691077
2043 Aug	17020.00586	41.93457031	52.88488007	2.19404912	9906.69043	0.084380485	1003.589844	0.002639867	0.002639867	0.000212136	0.013254122	0.025469568	0.443750203	0.199301749	3.74773E-05	498.2887878	0.000221113	0.000809735	0.004318766
2043 Sep	22243.63867	55.03884125	69.44045258	2.864303827	12948.78027	0.082242362	1312.411865	0.003133846	0.003133846	0.000275773	0.016447254	0.031920459	0.558455527	0.255248874	4.93028E-05	647.7970581	0.000286425	0.000987289	0.005657366
2043 Oct	13212.80664	33.17675781	43.59481812	1.707013488	7663.155273	0.078164525	794.880188	0.002226637	0.002226637	0.000163175	0.014087175	0.021331599	0.352154791	0.158439085	3.41106E-05	391.659729	0.000175919	0.000917032	0.003420247
2043 Nov	4174.44873	10.90860844	16.20485115	0.547848105	2387.498291	0.077569798	268.0365601	0.001348638	0.001348638	5.21586E-05	0.010754863	0.010262599	0.147297502	0.061844856	1.62338E-05	134.1374512	6.58682E-05	0.000706538	0.001142911
2043 Dec	4158.664063	10.8715477	16.16213226	0.545797646	2378.233398	0.077479519	267.1437073	0.001346973	0.001346973	5.19581E-05	0.010752746	0.010239246	0.146849111	0.061670899	1.6218E-05	133.694397	6.5661E-05	0.00070651	0.001139261
2044 Jan	4151.952148	10.85460186	16.13907051	0.544907153	2374.316162	0.07741572	266.7374573	0.001346339	0.001346339	5.1877E-05	0.010748508	0.010227468	0.146636084	0.061633699	1.62045E-05	133.5294952	6.55785E-05	0.000706359	0.001138349
2044 Feb	4148.349609	10.84496021	16.12459946	0.544418216	2372.215088	0.077364109	266.5089417	0.001346028	0.001346028	5.18349E-05	0.010744415	0.010220792	0.146510482	0.061643463	1.61944E-05	133.4611664	6.55375E-05	0.000706354	0.001138404
2044 Mar	4146.456543	10.83989239	16.11699295	0.54416132	2371.110596	0.077336989	266.3888245	0.001345865	0.001345865	5.18127E-05	0.010741859	0.010217284	0.14644447	0.0616486	1.61892E-05	133.4252472	6.5516E-05	0.000706351	0.001138433
2044 Apr	4145.405762	10.83708	16.11277008	0.544018686	2370.497559	0.077321932	266.3221741	0.001345774	0.001345774	5.18004E-05	0.010740587	0.010215336	0.146407828	0.061651446	1.61862E-05	133.4053192	6.5504E-05	0.000706349	0.00113845
2044 May	4093.483887	10.69920921	15.90675259	0.537065804	2340.418457	0.076587975	263.0054016	0.001341346	0.001341346	5.12012E-05	0.010688465	0.010108083	0.144641265	0.06140051	1.6043E-05	132.1297302	6.49373E-05	0.000703088	0.001132242
2044 Jun	1241.725952	3.175074339	4.704762459	0.159311831	697.4665527	0.036711652	79.82082367	0.001100807	0.001100807	1.86442E-05	0.00829711	0.003731105	0.049543925	0.030347088	8.26123E-06	49.25786972	3.48564E-05	0.000383824	0.000482396
2044 Jul	964.2184448	2.446815491	3.623855352	0.122886673	538.3544922	0.033083916	61.92704773	0.001077613	0.001077613	1.55049E-05	0.008071887	0.003074346	0.04041801	0.025971377	7.51087E-06	40.17971802	3.18132E-05	0.000340385	0.000394412
2044 Aug	934.7585449	2.369845152	3.508265257	0.118992649	521.4854126	0.0333925	60.06848145	0.001075133	0.001075133	1.51693E-05	0.007988882	0.003010552	0.039505862	0.025613617	7.43066E-06	39.32600021	3.09565E-05	0.000335097	0.000385007
2044 Sep	808.4468994	2.042719364	3.009754419	0.102199242	448.961853	0.034954596	52.14818954	0.00106444	0.00106444	1.37219E-05	0.007809754	0.002736456	0.035689678	0.024227237	7.08471E-06	35.8524437	2.7786E-05	0.000315869	0.000346014
2044 Oct	751.6046143	1.897851586	2.784240007	0.094603978	416.2418213	0.035708532	48.62010574	0.001059604	0.001059604	1.30673E-05	0.007861559	0.002614386	0.033885442	0.023699826	6.92825E-06	34.3549614	2.68264E-05	0.000307173	0.000329802
2044 Nov	740.6647949	1.869970322	2.740837574	0.093142197	409.944519	0.035853632	47.94108963	0.001058673	0.001058673	1.29413E-05	0.00787153	0.002590893	0.033538196	0.023598321	6.89813E-06	34.0667572	2.66417E-05	0.000305499	0.000326681
2044 Dec	740.335083	1.869130254	2.739529848	0.093098156	409.7547913	0.035858005	47.92062759	0.001058645	0.001058645	1.29375E-05	0.00787183	0.002590185	0.033527732	0.02359526	6.89723E-06	34.05807495	2.66361E-05	0.000305449	0.000326587
2045 Jan	740.1878052	1.868735433	2.73891592	0.093077384	409.6673279	0.035857875	47.91162491	0.001058631	0.001058631	1.29357E-05	0.007871744	0.002589999	0.033522386	0.02359866	6.8968E-06	34.057621	2.66339E-05	0.000305469	0.000326637
2045 Feb	740.1233521	1.868547082	2.738623857	0.093067415	409.6269836	0.035856158	47.90779495	0.001058625	0.001058625	1.29349E-05	0.007871531	0.002590022	0.033519503	0.023603948	6.89659E-06	34.06015396	2.66332E-05	0.000305511	0.000326731
2045 Mar	740.0892944	1.868447781	2.738469839	0.093062162	409.6056824	0.035855256	47.90577316	0.001058622	0.001058622	1.29344E-05	0.007871418	0.002590033	0.033517983	0.023606738	6.89649E-06	34.06149292	2.66328E-05	0.000305534	0.000326781
2045 Apr	740.0700073	1.868391156	2.738381863	0.093059167	409.5935669	0.035854742	47.90462112	0.00105862	0.00105862	1.29342E-05	0.007871355	0.00259004	0.033517122	0.023608329	6.89642E-06	34.06225586	2.66326E-05	0.000305547	0.000326809
2045 May	740.0592041	1.868360281	2.738334656	0.093057565	409.5869751	0.035854463	47.90396881	0.001058619	0.001058619	1.2934E-05	0.007871325	0.002590037	0.033516668	0.023608973	6.89639E-06	34.0625	2.66325E-05	0.000305552	0.000326821
2045 Jun	544.2442017	1.351698875	1.978968501	0.067463703	297.3399658	0.031446602	35.14176178	0.001042322	0.001042322	1.07282E-05	0.007754185	0.002110446	0.02697855	0.020159159	6.36916E-06	27.30323601	2.54836E-05	0.000276207	0.000263762
2045 Jul	436.8119507	1.068309665	1.562471032	0.053427055	235.805481	0.029335555	28.15883255	0.001033384	0.001033384	9.51846E-06	0.00764721	0.001851207	0.023354104	0.018308979	6.08E-06	23.61305428	2.45713E-05	0.0002585	0.000229177
2045 Aug	422.6629028	1.031343579	1.50676322	0.051550962	227.7292023	0.029805047	27.28342438	0.001032189	0.001032189	9.35677E-06	0.007567581	0.001823583	0.022931309	0.018179772	6.04135E-06	23.24233437	2.38709E-05	0.000255301	0.000224554
2045 Sep	399.3442993	0.971936464	1.41340363	0.048407152	214.3157959	0.030715214	25.86660767	0.001030187	0.001030187	9.08582E-06	0.007528068	0.001777812	0.022287171	0.018045716	5.97659E-06	22.73173523	2.2971E-05	0.000251862	0.000217629
2045 Oct	393.0456238	0.956392705	1.387931347	0.047549751	210.6748199	0.030973567	25.49174881	0.001029641	0.001029641	9.01192E-06	0.007545647	0.001765734	0.022094788	0.01803042	5.95893E-06	22.60817528	2.28268E-05	0.000250924	0.000216044
2045 Nov	392.7841187	0.955747426	1.386873841	0.047514156	210.5236664	0.030984294	25.47618484	0.001029618	0.001029618	9.00885E-06	0.007546376	0.001765232	0.022086801	0.018029785	5.95819E-06	22.60304642	2.28209E-05	0.000250885	0.000215979
2045 Dec	392.6517029	0.955420732	1.386338472	0.047496133	210.4471283	0.030989721	25.46830559	0.001029607	0.001029607	9.0073E-06	0.007546746	0.001764979	0.022082757	0.018029463	5.95782E-06	22.60045052	2.28178E-05	0.000250866	0.000215945
2046 Jan	392.604126	0.955292881	1.386129498	0.047489043	210.4181671	0.03099066	25.46555901	0.001029602	0.001029602	9.00669E-06	0.007546767	0.00176496	0.022080937	0.018031992	5.95768E-06	22.60142517	2.28169E-05	0.000250882	0.000215984

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Feb	392.5879517	0.955239058	1.38604176	0.047486018	210.4068451	0.030989945	25.46471596	0.001029601	0.001029601	9.00643E-06	0.007546659	0.001765027	0.02207995	0.018035537	5.95761E-06	22.60369682	2.28167E-05	0.000250911	0.000216048
2046 Mar	392.5791321	0.955209732	1.385993958	0.047484364	210.4006653	0.030989556	25.46425629	0.001029599	0.001029599	9.00629E-06	0.007546601	0.001765064	0.02207941	0.018037472	5.95758E-06	22.60493469	2.28166E-05	0.000250927	0.000216083
2046 Apr	392.5681763	0.955173194	1.385934591	0.047482319	210.3930054	0.030989071	25.46368408	0.001029598	0.001029598	9.00611E-06	0.007546528	0.00176511	0.022078741	0.018039873	5.95754E-06	22.60647583	2.28165E-05	0.000250947	0.000216126
2046 May	390.850647	0.950138986	1.37818706	0.047218122	209.3184814	0.030926611	25.36038971	0.00102943	0.00102943	8.98334E-06	0.007541541	0.001765535	0.022001211	0.018176546	5.9521E-06	22.67014694	2.28075E-05	0.000252089	0.000218616
2046 Jun	268.8577576	0.625011206	0.902196586	0.03116053	139.0195923	0.027130371	17.37822723	0.001019205	0.001019205	7.5994E-06	0.007489963	0.001477347	0.017792074	0.01653471	5.62131E-06	18.79045868	2.26688E-05	0.00024037	0.000191438
2046 Jul	194.3531647	0.428626597	0.616378367	0.021533463	96.5745163	0.025582418	12.50847912	0.001013075	0.001013075	6.76969E-06	0.007375667	0.001290894	0.015212929	0.014931526	5.42299E-06	15.94503021	2.19444E-05	0.000223653	0.000162252
2046 Aug	187.0723572	0.409901321	0.587305427	0.020555872	92.45831299	0.026385861	12.08893013	0.001012452	0.001012452	6.68544E-06	0.007282675	0.001280818	0.015038162	0.01492046	5.40285E-06	15.81696796	2.11376E-05	0.000221058	0.000159288
2046 Sep	170.972168	0.371239573	0.520151973	0.018298274	83.17214966	0.028468147	11.21080303	0.001011015	0.001011015	6.49086E-06	0.007236741	0.001258434	0.014756903	0.015043768	5.35635E-06	15.7233305	1.97631E-05	0.000218627	0.000153909
2046 Oct	160.2574768	0.34811607	0.474112958	0.016752331	76.90088654	0.029945595	10.66825676	0.001010031	0.001010031	6.35762E-06	0.007349638	0.001245169	0.01447924	0.01523647	5.3245E-06	15.73911858	1.93375E-05	0.000216963	0.000151772
2046 Nov	158.5815735	0.34449932	0.466911912	0.016510526	75.91998291	0.030176684	10.58339596	0.001009876	0.001009876	6.33678E-06	0.007367296	0.001243094	0.014435811	0.01526661	5.31952E-06	15.74158859	1.92709E-05	0.000216702	0.000151438
2046 Dec	158.5142212	0.344353974	0.466622531	0.01650081	75.88056183	0.030185971	10.57998562	0.00100987	0.00100987	6.33595E-06	0.007368006	0.00124301	0.014434066	0.015267822	5.31932E-06	15.74168682	1.92682E-05	0.000216692	0.000151425
2047 Jan	158.4959717	0.344300419	0.466516107	0.01649715	75.86752319	0.030187557	10.57926369	0.001009868	0.001009868	6.33563E-06	0.007368074	0.001243108	0.014433045	0.015272507	5.31924E-06	15.74490547	1.92676E-05	0.000216726	0.000151501
2047 Feb	158.4945068	0.344278067	0.46647191	0.016495548	75.86347198	0.030186504	10.57946205	0.001009867	0.001009867	6.33549E-06	0.007367922	0.001243269	0.014432267	0.015278416	5.31921E-06	15.74921799	1.92677E-05	0.000216776	0.00015161
2047 Mar	158.4936981	0.344265878	0.46644783	0.016494678	75.86125946	0.03018593	10.57956982	0.001009866	0.001009866	6.33542E-06	0.00736784	0.001243357	0.014431843	0.015281639	5.31919E-06	15.7515707	1.92677E-05	0.000216803	0.000151669
2047 Apr	158.4932404	0.344258934	0.466434091	0.016494179	75.86000061	0.030185603	10.57963276	0.001009866	0.001009866	6.33538E-06	0.007367793	0.001243407	0.0144316	0.015283475	5.31918E-06	15.75290966	1.92677E-05	0.000216819	0.000151702
2047 May	155.3035431	0.331444234	0.445777535	0.015772814	73.3164978	0.029711392	10.4246664	0.001009407	0.001009407	6.2732E-06	0.007335531	0.001270843	0.014153099	0.016520645	5.30432E-06	16.58522415	1.936E-05	0.000227677	0.000174907
2047 Jun	127.408432	0.234202832	0.296436429	0.010608871	53.67372131	0.026316704	8.825342178	0.001006118	0.001006118	5.82815E-06	0.007176911	0.001376948	0.012304087	0.022516392	5.19794E-06	20.31510353	2.01372E-05	0.000282078	0.000289688
2047 Jul	121.690506	0.220260426	0.278443485	0.010012229	50.72119522	0.026124258	8.412210464	0.001005739	0.001005739	5.77672E-06	0.007166004	0.001347631	0.012135785	0.021841066	5.18565E-06	19.67012787	2.00999E-05	0.00027593	0.00027791
2047 Aug	118.6625977	0.213344708	0.267962396	0.009665699	49.17891312	0.026777057	8.235751152	0.001005518	0.001005518	5.74686E-06	0.007103417	0.001337163	0.012141171	0.021572884	5.17851E-06	19.44103622	1.95193E-05	0.000272319	0.000271069
2047 Sep	111.5233154	0.199357733	0.241639614	0.008796195	45.4475975	0.028546007	7.857282639	0.001004964	0.001004964	5.67192E-06	0.007076911	0.001311989	0.012190085	0.021009136	5.1606E-06	18.99348831	1.84707E-05	0.000265063	0.000255129
2047 Oct	106.7565536	0.192507789	0.222977251	0.008181355	42.88864899	0.029843638	7.642986774	0.001004573	0.001004573	5.61893E-06	0.007189142	0.00129606	0.012147492	0.020708732	5.14794E-06	18.74952126	1.8197E-05	0.000259932	0.000245261
2047 Nov	105.5748367	0.190809637	0.218350723	0.008028932	42.25426865	0.03016533	7.589861393	0.001004476	0.001004476	5.60579E-06	0.007216964	0.001292111	0.012136932	0.02063426	5.1448E-06	18.68904114	1.81292E-05	0.00025866	0.000242815
2047 Dec	105.5409012	0.190760851	0.218217865	0.008024555	42.23604965	0.030174568	7.588335514	0.001004473	0.001004473	5.60542E-06	0.007217763	0.001291997	0.012136629	0.020632122	5.14471E-06	18.68730545	1.81272E-05	0.000258623	0.000242744
2048 Jan	105.5328522	0.190739721	0.218159556	0.008022545	42.22959518	0.030176785	7.588231087	0.001004472	0.001004472	5.60524E-06	0.007217919	0.001292082	0.012136105	0.020635616	5.14466E-06	18.68987656	1.81267E-05	0.000258647	0.000242799
2048 Feb	105.5371475	0.190732747	0.218139619	0.008021765	42.22896957	0.030175656	7.588775635	0.001004471	0.001004471	5.60518E-06	0.007217774	0.001292249	0.012135524	0.020641373	5.14465E-06	18.69418335	1.81269E-05	0.000258696	0.000242905
2048 Mar	105.5394745	0.190728977	0.21812883	0.008021344	42.22863007	0.030175045	7.589071274	0.001004471	0.001004471	5.60514E-06	0.007217695	0.00129234	0.01213521	0.020644488	5.14464E-06	18.69651222	1.8127E-05	0.000258723	0.000242962
2048 Apr	105.5497437	0.190712318	0.218081087	0.008019478	42.22713852	0.030172339	7.590376377	0.00100447	0.00100447	5.60498E-06	0.007217344	0.001292741	0.012133818	0.02065827	5.1446E-06	18.70682716	1.81275E-05	0.00025884	0.000243217
2048 May	105.5541916	0.190701813	0.218054444	0.00801845	42.22596741	0.03017085	7.590978146	0.001004469	0.001004469	5.60489E-06	0.007217168	0.00129294	0.012133086	0.020665176	5.14458E-06	18.7119751	1.81278E-05	0.000258899	0.000243345
2048 Jun	83.80046082	0.134285331	0.152088895	0.0058241	30.87390137	0.026990889	5.850118637	0.001003072	0.001003072	5.41577E-06	0.007288904	0.001160466	0.011464046	0.017747791	5.09938E-06	15.94264603	1.94931E-05	0.000240826	0.00019928
2048 Jul	67.73526764	0.092895091	0.103782296	0.00422028	22.61125755	0.025334939	4.605806351	0.001002051	0.001002051	5.27754E-06	0.00724926	0.001070501	0.0108929	0.015662357	5.06634E-06	13.92076778	1.98773E-05	0.000223736	0.000166273
2048 Aug	65.43208313	0.08787524	0.095133744	0.003936199	21.51485062	0.026852982	4.52704668	0.00100187	0.00100187	5.25306E-06	0.007089457	0.001071228	0.010958737	0.015579334	5.06049E-06	13.86738777	1.85649E-05	0.000219072	0.000160427
2048 Sep	63.83237839	0.086737193	0.087089516	0.003672387	20.66217804	0.028431913	4.523356438	0.001001702	0.001001702	5.23032E-06	0.007071861	0.001072649	0.011105897	0.015616699	5.05505E-06	13.97011662	1.77291E-05	0.000217358	0.000156147
2048 Oct	62.92804337	0.088564247	0.081267886	0.003482867	20.11878967	0.029606888	4.56708765	0.001001581	0.001001581	5.21399E-06	0.007173142	0.001075298	0.011144484	0.015728984	5.05115E-06	14.10698032	1.75356E-05	0.000216127	0.000154292
2048 Nov	62.62019348	0.089186199	0.079286106	0.003418351	19.9338131	0.030006871	4.581974506	0.00100154	0.00100154	5.20843E-06	0.00720762	0.0010762	0.01115762	0.015767207	5.04982E-06	14.15357113	1.74697E-05	0.000215708	0.000153661
2048 Dec	62.61458206	0.089197531	0.079250015	0.003417176	19.93044281	0.030014155	4.58224535	0.001001539	0.001001539	5.20833E-06	0.007208248	0.001076216	0.011157859	0.015767904	5.04979E-06	14.15441895	1.74685E-05	0.0002157	0.00015365
2049 Jan	62.62014771	0.089204349	0.079235643	0.003416611	19.93091583	0.030015439	4.583028316	0.001001539	0.001001539	5.20828E-06	0.007208319	0.001076374	0.011157553	0.01577314	5.04978E-06	14.15851402	1.74683E-05	0.000215741	0.000153739
2049 Feb	62.62995148	0.089209013	0.079230748	0.003416321	19.93292046	0.030014236	4.583980083	0.001001539	0.001001539	5.20825E-06	0.007208162	0.001076581	0.01115704	0.015779959	5.04978E-06	14.16372395	1.74687E-05	0.000215799	0.000153865
2049 Mar	62.63529587	0.089211546	0.079228073	0.003416162	19.93401146	0.03001358	4.584498405	0.001001538	0.001001538	5.20824E-06	0.007208076	0.001076694	0.011156762	0.015783675	5.04977E-06	14.16656399	1.74688E-05	0.000215831	0.000153933
2049 Apr	62.63833618	0.089212999	0.079226553	0.003416072	19.93463326	0.030013205	4.584793568	0.001001538	0.001001538	5.20823E-06	0.007208027	0.001076758	0.011156604	0.015785789	5.04977E-06	14.16817856	1.74689E-05	0.000215849	0.000153972
2049 May	62.76182938	0.089122877	0.078972943	0.003405215	19.94062042	0.029968208	4.596835136	0.001001532	0.001001532	5.2073E-06	0.007205622	0.001080167	0.011144421	0.015903296	5.04955E-06	14.25590801	1.74859E-05	0.000216904	0.000156208
2049 Jun	53.97753143	0.061707325	0.05339076	0.002541361	15.14099312	0.026388042	3.753329039	0.001000981	0.001000981	5.13284E-06	0.00728023	0.00101932	0.010707066	0.014734646	5.03175E-06	13.04308224	1.92655E-05	0.000215079	0.000145362
2049 Jul	49.33604813	0.048753414	0.041760329	0.002157663	12.89449501	0.025578441	3.358565569	0.001000737	0.001000737	5.09977E-06	0.007213617	0.00099056	0.01043245	0.01396157	5.02385E-06	12.26645851	1.93517E-05	0.000207217	0.00013407
2049 Aug	49.01462936	0.048107237	0.040567096	0.002119502	12.7832098	0.026109124	3.364626646	0.001000713	0.001000713	5.09648E-06	0.007149941	0.000993637	0.010439693	0.013979191	5.02306E-06	12.28077984	1.88786E-05	0.000205448	0.000132947
2049 Sep	48.9715004	0.051605977	0.037257805	0.002014034	12.73647881	0.027849326	3.486850739	0.001000646	0.001000646	5.0874E-06	0.007166522	0.00100302	0.010618895	0.014199666	5.02089E-06	12.56051636	1.81182E-05	0.000204935	0.000131484
2049 Oct	49.14369965	0.05657791	0.034623992	0.001931239	12.75799561	0.029249661	3.621828794	0.001000593	0.001000593	5.08026E-06	0.007275399	0.001011755	0.010703084	0.01444464	5.01918E-06	12.83318138	1.78636E-05	0.000204532	0.000131363
2049 Nov	49.17494202	0.057480067	0.034146089	0.001916216	12.76189899	0.029503752	3.646320343	0.001000583	0.001000583	5.07896E-06	0.007295155	0.00101334	0.01071836	0.014489091	5.01887E-06	12.8826561	1.78174E-05	0.000204459	0.000131341
2049 Dec	49.17614746	0.05751491	0.034127627	0.001915636	12.76204967	0.029513566	3.647266388	0.001000583	0.001000583	5.07891E-06	0.007295917	0.001013401	0.01071895	0.014490808	5.01886E-06	12.88456726	1.78156E-05	0.000204456	0.00013134
2050 Jan	49.18416214	0.057528738	0.034123696	0.001915427	12.76402473	0.029515069	3.648206711	0.001000583	0.001000583	5.0789E-06	0.007295981	0.00101356	0.010718776	0.014495928	5.01886E-06	12.88864231	1.78154E-05	0.000204495	0.000131427
2050 Feb	49.19464874	0.057536516	0.034124181	0.001915326	12.76665592	0.02951402	3.649183512	0.001000583	0.001000583	5.07889E-06	0.007295827	0.001013758	0.010718354	0.01450233	5.01886E-06	12.89356613	1.78156E-05	0.00020455	0.000131545
2050 Mar	49.20036697	0.057540756	0.034124445	0.001915271	12.76808929	0.029513447	3.649716377	0.001000583	0.001000583	5.07888E-06	0.007295743	0.001013865	0.010718125	0.01450582	5.01885E-06	12.89625072	1.78157E-05	0.00020458	0.000131609
2050 Apr	49.20362091	0.057543166	0.034124594	0.001915239	12.76890564	0.02951321	3.650019169	0.001000583	0.001000583	5.07888E-06	0.007295696	0.001013926	0.010717994	0.014507805	5.01885E-06	12.89777756	1.78158E-05	0.000204597	0.000131646
2050 May	49.31526566	0.057575036	0.034093786	0.001912746	12.79211044	0.029487209	3.659883499	0.001000581	0.001000581	5.07867E-06	0.007293996	0.001016167	0.010711799	0.014582623	5.0188E-06	12.9545002	1.78252E-05	0.000205268	0.000133064
2050 Jun	48.07990265	0.045562156	0.026205853	0.001615903	11.43591118	0.026401782	3.427889824	0.001000392	0.001000392	5.05308E-06	0.007299289	0.001023734	0.010389425	0.015279686	5.01269E-06	13.31224155	1.92722E-05	0.000218214	0.00015456
2050 Jul	44.79243088	0.036403656	0.021202944	0.001459423	10.11631584	0.025947053	3.127706766	0.001000292	0.001000292	5.0396E-06	0.007174152	0.000997897	0.010142474	0.014403518	5.00946E-06	12.47194958	1.9013E-05	0.000207419	0.000140698
2050 Aug	44.36535263	0.035475634	0.020416141	0.001436757	10.03146267	0.026650941	3.133948565	0.001000278	0.001000278	5.03764E-06	0.007067805	0.001002575	0.010085338	0.01438932	5.009E-06	12.43199921	1.83217E-05	0.000203318	0.00013869
2050 Sep	44.63049698	0.038665161	0.019338429	0.001405131	10.18396378	0.027942862	3.237328529	0.001000258	0.001000258	5.03492E-06	0.007068651	0.001008884	0.010259248	0.014515697	5.00835E-06	12.62617779	1.77138E-05	0.000203077	0.000136959
2050 Oct	44.76011658	0.040148921	0.019050289	0.00139699	10.24055386	0.028285636	3.275563955	0.001000253	0.001000253	5.03421E-06	0.007097415	0.001010916	0.010287196	0.01456964	5.00818E-06	12.69196701	1.76593E-05	0.000203016	0.000136819
2050 Nov	44.76879501	0.040248267	0.019030996	0.001396445	10.24434376	0.028308589	3.278124094	0.001000253	0.001000253	5.03417E-06	0.007099341	0.001011053	0.010289068	0.014573252	5.00817E-06	12.69637203	1.76556E-05	0.000203011	0.00013681
2050 Dec	44.77118683	0.040275667	0.019025676	0.001396294	10.24538803	0.028314916	3.278830051	0.001000252	0.001000252	5.03416E-06	0.007099872	0.00101109	0.010289583	0.014574247	5.00816E-06	12.69758701	1.76546E-05	0.00020301	0.000136807
2051 Jan	44.77770615	0.04029002	0.019024983	0.00139622	10.24725533	0.028316591	3.279599428	0.001000252	0.001000252	5.03415E-06	0.007099984	0.001011205	0.010289565	0.01457791	5.00816E-06	12.70057106	1.76544E-05	0.000203038	0.000136867
2051 Feb	44.78543854	0.040296841	0.019026497	0.00139619	10.24930573	0.028315946	3.280316591	0.001000252	0.001000252	5.03415E-06	0.00709989	0.001011345	0.010289301	0.014582416	5.00816E-06	12.70405579	1.76546E-05	0.000203077	0.00013695
2051 Mar	44.78965759	0.040300563	0.019027324	0.001396173	10.25042439	0.028315593	3.280707598	0.001000252	0.001000252	5.03414E-06	0.007099839	0.00101142	0.010289157	0.014584874	5.00816E-06	12.70595551	1.76547E-05	0.000203098	0.000136995
2051 Apr	44.79206085	0.040302679	0.019027796	0.001396163	10.25106049	0.028315391	3.280930281	0.001000252	0.001000252	5.03414E-06	0.007099811	0.001011464	0.010289076	0.014586272	5.00816E-06	12.70703793	1.76548E-05	0.00020311	0.000137021
2051 May	45.65390396	0.040850315	0.019098889	0.001388609	10.46042252	0.028156841	3.356650352	0.001000248	0.001000248	5.03349E-06	0.007091704	0.001027126	0.010253998	0.015106355	5.00801E-06	13.10607243	1.77233E-05	0.00020782	0.000146806
2051 Jun	49.23983383	0.035008095	0.015663136	0.001199891	10.60317039	0.024195667	3.511085749	0.001000127	0.001000127	5.01723E-06	0.007145649	0.001098266	0.009890545	0.017957214	5.00412E-06	15.17467213	1.98494E-05	0.000242749	0.000209274
2051 Jul	46.88863373	0.03069867	0.014146958	0.001165731	9.8197155	0.023817837	3.270970106	0.001000106	0.001000106	5.01428E-06	0.007150354	0.001062597	0.009866406	0.016848864	5.00341E-06	14.26637459	1.99899E-05	0.000233658	0.0001906
2051 Aug	46.28624725	0.030920245	0.013317993	0.001149536	9.826478958	0.02561021	3.30679369	0.001000095	0.001000095	5.01289E-06	0.00697627	0.001064399	0.009996986	0.016631229	5.00308E-06	14.14690685	1.85252E-05	0.000226774	0.000181747
2051 Sep	46.67775345	0.038727295	0.012351261	0.001131579	10.15553951	0.027908035	3.492042542	0.001000084	0.001000084	5.01134E-06	0.007073547	0.001068651	0.010245991	0.016635254	5.00271E-06	14.30998611	1.77958E-05	0.000223559	0.000174615
2051 Oct	47.66775894	0.055315956	0.010698244	0.001101992	10.7951498	0.031751361	3.862605095	0.001000065	0.001000065	5.00879E-06	0.007394302	0.001077949	0.010561699	0.016762244	5.0021E-06	14.66751957	1.71671E-05	0.000218261	0.000164583
2051 Nov	47.77007294	0.057030272	0.010527417	0.001098934	10.86124897	0.032148544	3.900900126	0.001000063	0.001000063	5.00853E-06	0.007427449	0.00107891	0.010594325	0.016775368	5.00204E-06	14.70446777	1.71021E-05	0.000217714	0.000163546
2051 Dec	47.77162552	0.057056315	0.010524821	0.001098888	10.86225319	0.032154579	3.901481867	0.001000063	0.001000063	5.00852E-06	0.007427953	0.001078924	0.010594821	0.016775567	5.00204E-06	14.70502949	1.71011E-05	0.000217705	0.00016353
2052 Jan	47.78165054	0.057072114	0.010526699	0.001098862	10.86512756	0.032155421	3.902525425	0.001000063	0.001000063	5.00852E-06	0.007427973	0.001079099	0.010594625	0.016781123	5.00204E-06	14.70943451	1.71011E-05	0.00021775	0.000163627
2052 Feb	47.7946701	0.057081692	0.010530476	0.001098849	10.86860275	0.032153782	3.903686285	0.001000063	0.001000063	5.00852E-06	0.007427766	0.001079331	0.010594125	0.016788647	5.00204E-06	14.71521282	1.71015E-05	0.000217815	0.000163767
2052 Mar	47.80171967	0.057086878	0.010532522	0.001098842	10.87048435	0.032152891	3.904314995	0.001000063	0.001000063	5.00852E-06	0.007427655	0.001079457	0.010593855	0.01679272	5.00204E-06	14.71834087	1.71017E-05	0.00021785	0.000163843
2052 Apr	47.80563354	0.057089757	0.010533658	0.001098838	10.87152958	0.032152399	3.904664278	0.001000063	0.001000063	5.00852E-06	0.007427593	0.001079527	0.010593705	0.016794983	5.00204E-06	14.72007847	1.71018E-05	0.00021787	0.000163885
2052 May	49.99142456	0.057707731	0.011166946	0.001093716	11.40827274	0.03152262	4.07809639	0.00100006	0.00100006	5.00808E-06	0.007388581	0.00111856	0.010482593	0.0180938	5.00193E-06	15.70009232	1.73168E-05	0.000229903	0.000189084
2052 Jun	54.8669281	0.053379826	0.012574605	0.001065684	12.33657455	0.02807604	4.341192245	0.001000042	0.001000042	5.00566E-06	0.007276356	0.001205751	0.010077049	0.021196635	5.00135E-06	17.94354057	1.86565E-05	0.000263086	0.000255119
2052 Jul	52.35017014	0.04796005	0.011738464	0.00105772	11.67952633	0.028619304	4.138667583	0.001000037	0.001000037	5.00497E-06	0.00708507	0.001183268	0.009875401	0.020192942	5.00119E-06	17.0342617	1.77203E-05	0.000247425	0.000236311
2052 Aug	51.59717178	0.04685409	0.011373368	0.001054307	11.55234623	0.02939238	4.10356617	0.001000035	0.001000035	5.00468E-06	0.006978577	0.001177388	0.009922266	0.019856237	5.00112E-06	16.77856255	1.6968E-05	0.000241889	0.00022825
2052 Sep	51.34810257	0.049607091	0.010922895	0.001050157	11.60377312	0.030550255	4.143069267	0.001000032	0.001000032	5.00432E-06	0.006997336	0.001170846	0.010111754	0.019580126	5.00103E-06	16.65744781	1.64694E-05	0.000238688	0.000219697
2052 Oct	51.33700562	0.052214809	0.010677315	0.001048077	11.66166496	0.031149382	4.184405327	0.001000031	0.001000031	5.00414E-06	0.00705964	0.001168323	0.010175534	0.019481441	5.00099E-06	16.62604141	1.64084E-05	0.000237084	0.000215978
2052 Nov	51.33679199	0.052264851	0.010672602	0.001048037	11.66277599	0.031160878	4.185198307	0.001000031	0.001000031	5.00414E-06	0.007060836	0.001168274	0.010176757	0.019479545	5.00099E-06	16.6254406	1.64073E-05	0.000237053	0.000215907
2052 Dec	51.33670807	0.052284166	0.010670783	0.001048022	11.66320515	0.031165317	4.185504913	0.001000031	0.001000031	5.00414E-06	0.007061298	0.001168256	0.01017723	0.019478815	5.00099E-06	16.62520599	1.64068E-05	0.000237041	0.000215879

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Jan	51.34291077	0.052295774	0.010672036	0.001048013	11.6650219	0.031166065	4.18616581	0.001000031	0.001000031	5.00414E-06	0.007061375	0.001168359	0.01017717	0.019482125	5.00099E-06	16.62787056	1.64069E-05	0.000237068	0.000215936
2053 Feb	51.35135269	0.052302659	0.010674566	0.001048009	11.66728878	0.03116505	4.186921597	0.001000031	0.001000031	5.00414E-06	0.00706127	0.001168507	0.010176872	0.019486945	5.00099E-06	16.63158607	1.64072E-05	0.00023711	0.000216025
2053 Mar	51.35595322	0.05230641	0.010675944	0.001048006	11.66852474	0.031164497	4.187334061	0.001000031	0.001000031	5.00414E-06	0.007061212	0.001168588	0.010176709	0.019489571	5.00099E-06	16.63361168	1.64074E-05	0.000237133	0.000216074
2053 Apr	51.35857773	0.052308548	0.01067673	0.001048005	11.66922855	0.031164186	4.187568665	0.001000031	0.001000031	5.00414E-06	0.00706118	0.001168634	0.010176618	0.019491069	5.00099E-06	16.63476563	1.64075E-05	0.000237146	0.000216102
2053 May	56.31864929	0.054453023	0.012227658	0.001041839	12.89678288	0.029730154	4.58097744	0.001000027	0.001000027	5.00361E-06	0.007011569	0.001253915	0.009954822	0.0223633	5.00086E-06	18.81733704	1.70295E-05	0.000264489	0.00027184
2053 Jun	63.84361649	0.053829901	0.014712197	0.001025133	14.54611492	0.02584503	5.074384689	0.001000016	0.001000016	5.00217E-06	0.006961664	0.00137947	0.009522931	0.026802953	5.00052E-06	22.12724876	1.8851E-05	0.000311309	0.000362879
2053 Jul	61.88471603	0.050790746	0.014163304	0.0010234	13.96037769	0.025604924	4.871112823	0.001000015	0.001000015	5.00202E-06	0.006972613	0.001346013	0.009535247	0.025749443	5.00048E-06	21.2828598	1.89525E-05	0.000302777	0.000344754
2053 Aug	61.27624893	0.050294962	0.013916812	0.00102272	13.8441925	0.026089028	4.835811615	0.001000014	0.001000014	5.00196E-06	0.006926502	0.001338293	0.009586951	0.025426693	5.00047E-06	21.04535675	1.85469E-05	0.000298776	0.000337639
2053 Sep	61.0893631	0.050397392	0.013817782	0.00102244	13.81645775	0.026311571	4.827925205	0.001000014	0.001000014	5.00193E-06	0.006917301	0.001335075	0.009629175	0.025304018	5.00046E-06	20.96621895	1.84012E-05	0.000297561	0.000334778
2053 Oct	60.99084854	0.05100866	0.01373099	0.00102222	13.80842209	0.026495518	4.830996513	0.001000014	0.001000014	5.00191E-06	0.006932879	0.00133286	0.009649065	0.025224252	5.00046E-06	20.91635132	1.83678E-05	0.0002966	0.000332762
2053 Nov	60.88210297	0.051683374	0.013635188	0.001021976	13.79955101	0.02669856	4.834386826	0.001000014	0.001000014	5.00189E-06	0.006950074	0.001330414	0.009671021	0.025136204	5.00045E-06	20.86131096	1.83308E-05	0.00029554	0.000330537
2053 Dec	60.87786865	0.051709682	0.013631454	0.001021966	13.79920578	0.026706474	4.834519386	0.001000014	0.001000014	5.00189E-06	0.006950744	0.001330319	0.009671877	0.025132773	5.00045E-06	20.85916519	1.83294E-05	0.000295499	0.00033045
2054 Jan	60.88402939	0.051725652	0.013632448	0.001021961	13.8011713	0.026708569	4.83526516	0.001000014	0.001000014	5.00189E-06	0.006950878	0.001330421	0.009671917	0.025135927	5.00045E-06	20.86177826	1.8329E-05	0.000295522	0.0003305
2054 Feb	60.89435196	0.051735103	0.013635529	0.001021958	13.80399513	0.026707737	4.836214542	0.001000014	0.001000014	5.00189E-06	0.006950748	0.001330603	0.009671573	0.025141794	5.00045E-06	20.86631775	1.83292E-05	0.000295572	0.000330608
2054 Mar	60.89997101	0.051740248	0.013637207	0.001021957	13.80553246	0.026707286	4.836731434	0.001000014	0.001000014	5.00189E-06	0.006950677	0.001330702	0.009671386	0.025144989	5.00045E-06	20.86878967	1.83293E-05	0.000295599	0.000330667
2054 Apr	60.90317154	0.05174318	0.013638162	0.001021956	13.80640888	0.026707029	4.837026119	0.001000014	0.001000014	5.00189E-06	0.006950636	0.001330758	0.009671279	0.02514681	5.00045E-06	20.8701973	1.83294E-05	0.000295615	0.0003307
2054 May	61.89297104	0.052331135	0.013948425	0.001021209	14.05904675	0.026478792	4.919201851	0.001000014	0.001000014	5.00183E-06	0.006941247	0.001347844	0.009629701	0.025715584	5.00044E-06	21.30452728	1.84288E-05	0.000300871	0.000341572
2054 Jun	63.36840057	0.048681252	0.014622024	0.001013178	14.17659378	0.024025435	4.915370941	0.001000008	0.001000008	5.00114E-06	0.006971282	0.001368012	0.00944469	0.026650129	5.00027E-06	21.93876266	1.97082E-05	0.000315131	0.0003655
2054 Jul	58.22901154	0.041580085	0.013118826	0.001010803	12.78037071	0.024529593	4.455609322	0.001000007	0.001000007	5.00093E-06	0.006886055	0.001292561	0.009389449	0.024033744	5.00022E-06	19.80987549	1.90787E-05	0.000287908	0.000317648
2054 Aug	56.85719299	0.041220438	0.012497419	0.001009888	12.57144451	0.026069194	4.395565033	0.001000006	0.001000006	5.00085E-06	0.006766016	0.00127437	0.009596328	0.023248982	5.0002E-06	19.27021217	1.78867E-05	0.000278286	0.000299219
2054 Sep	56.14099503	0.042799495	0.012029724	0.001009199	12.51270485	0.027336169	4.388022423	0.001000006	0.001000006	5.00079E-06	0.006740909	0.001260832	0.009825422	0.022718042	5.00019E-06	18.95459366	1.71644E-05	0.000272831	0.000285865
2054 Oct	55.84241104	0.046912048	0.011614948	0.001008656	12.54145718	0.028378394	4.432391167	0.001000006	0.001000006	5.00075E-06	0.006844701	0.001251933	0.009933079	0.022392459	5.00018E-06	18.77436256	1.70367E-05	0.000268533	0.000276668
2054 Nov	55.73023987	0.048457041	0.011459126	0.001008452	12.55225849	0.028769931	4.449059486	0.001000005	0.001000005	5.00073E-06	0.006883693	0.001248589	0.009973522	0.022270147	5.00017E-06	18.70665359	1.69887E-05	0.000266919	0.000273213
2054 Dec	55.72798538	0.048488062	0.011455997	0.001008448	12.55247593	0.028777793	4.449394703	0.001000005	0.001000005	5.00073E-06	0.006884476	0.001248522	0.009974334	0.02226769	5.00017E-06	18.70529366	1.69877E-05	0.000266887	0.000273144
2055 Jan	55.7362442	0.048506733	0.011457692	0.001008446	12.55500221	0.028779574	4.450329781	0.001000005	0.001000005	5.00073E-06	0.006884642	0.001248657	0.009974297	0.02227198	5.00017E-06	18.70878983	1.69877E-05	0.00026692	0.000273215
2055 Feb	55.74845886	0.048517708	0.011461425	0.001008445	12.55832195	0.028778363	4.451441288	0.001000005	0.001000005	5.00073E-06	0.006884506	0.001248872	0.009973872	0.022278914	5.00017E-06	18.71414566	1.69881E-05	0.00026698	0.000273343
2055 Mar	55.75510406	0.048523683	0.011463457	0.001008444	12.56012917	0.028777702	4.452045441	0.001000005	0.001000005	5.00073E-06	0.006884432	0.001248988	0.009973641	0.022282688	5.00017E-06	18.71706009	1.69883E-05	0.000267012	0.000273412
2055 Apr	55.75889587	0.048527092	0.011464616	0.001008444	12.56116009	0.028777326	4.452391148	0.001000005	0.001000005	5.00073E-06	0.00688439	0.001249055	0.00997351	0.022284841	5.00017E-06	18.7187233	1.69885E-05	0.000267031	0.000273452
2055 May	55.76045609	0.048528392	0.011465099	0.001008444	12.56157684	0.028777124	4.45252943	0.001000005	0.001000005	5.00073E-06	0.006884374	0.001249082	0.009973452	0.022285726	5.00017E-06	18.71940231	1.69886E-05	0.000267038	0.000273469
2055 Jun	47.78871155	0.033187538	0.009687272	0.001005081	9.889251709	0.025282271	3.476012468	0.001000003	0.001000003	5.00044E-06	0.00710959	0.001096154	0.009984016	0.017871786	5.0001E-06	15.14810276	1.91831E-05	0.000240346	0.0002044
2055 Jul	44.89595795	0.027691273	0.009004949	0.001003888	8.9821558	0.024529109	3.1554389	0.001000002	0.001000002	5.00034E-06	0.007121569	0.0010479	0.009926223	0.016371768	5.00008E-06	13.90742779	1.95132E-05	0.000228308	0.000179884
2055 Aug	44.64286423	0.027570831	0.008870184	0.001003741	8.985375404	0.025154894	3.165684223	0.001000002	0.001000002	5.00032E-06	0.007048049	0.001049395	0.009928316	0.016295109	5.00008E-06	13.84605312	1.89648E-05	0.000225038	0.000176866
2055 Sep	44.79789352	0.030281264	0.008658353	0.00100349	9.176898956	0.026443608	3.245831013	0.001000002	0.001000002	5.0003E-06	0.007016381	0.001051624	0.010120343	0.016258977	5.00007E-06	13.91261768	1.82362E-05	0.000223354	0.000172327
2055 Oct	44.92615509	0.031959806	0.008583666	0.001003418	9.25494957	0.026822446	3.284501314	0.001000002	0.001000002	5.00029E-06	0.00704667	0.001052816	0.010151572	0.016278187	5.00007E-06	13.9531908	1.81701E-05	0.000222877	0.000171463
2055 Nov	44.95957565	0.032397166	0.008564205	0.0010034	9.275286674	0.026921159	3.29457736	0.001000002	0.001000002	5.00029E-06	0.007054563	0.001053126	0.010159709	0.016283194	5.00007E-06	13.96376228	1.81529E-05	0.000222753	0.000171238
2055 Dec	44.96385193	0.032453112	0.008561715	0.001003397	9.277887344	0.026933786	3.295866251	0.001000002	0.001000002	5.00029E-06	0.007055572	0.001053166	0.010160749	0.016283832	5.00007E-06	13.96511459	1.81507E-05	0.000222737	0.000171209
2056 Jan	44.97766495	0.032481395	0.008564791	0.001003396	9.282102585	0.026936555	3.297405481	0.001000002	0.001000002	5.00029E-06	0.007055717	0.001053399	0.010160637	0.016291145	5.00007E-06	13.97102451	1.81503E-05	0.000222793	0.000171331
2056 Feb	44.9946785	0.032497775	0.008569924	0.001003396	9.286787033	0.026935365	3.298983335	0.001000002	0.001000002	5.00029E-06	0.007055519	0.001053698	0.010160078	0.016300783	5.00007E-06	13.97848797	1.81506E-05	0.000222875	0.000171508
2056 Mar	45.00393295	0.032506678	0.008572715	0.001003396	9.289334297	0.026934719	3.299841642	0.001000002	0.001000002	5.00029E-06	0.007055412	0.001053861	0.010159775	0.016306024	5.00007E-06	13.98254776	1.81508E-05	0.000222919	0.000171604
2056 Apr	45.00909805	0.032511652	0.008574274	0.001003395	9.290756226	0.026934357	3.300320864	0.001000002	0.001000002	5.00029E-06	0.007055351	0.001053952	0.010159604	0.01630895	5.00007E-06	13.98481369	1.81509E-05	0.000222944	0.000171657
2056 May	48.8599968	0.035637096	0.009788396	0.001003105	10.31293392	0.026340563	3.638616323	0.001000002	0.001000002	5.00027E-06	0.007022769	0.001120635	0.010013185	0.018496525	5.00006E-06	15.66698742	1.84162E-05	0.000242391	0.000212627
2056 Jun	59.44747543	0.042755038	0.013259138	0.001001902	13.02679634	0.023884935	4.52088356	0.001000001	0.001000001	5.00016E-06	0.00696431	0.001301171	0.009560237	0.024526384	5.00004E-06	20.27362251	1.96367E-05	0.000298206	0.000327919
2056 Jul	57.66095734	0.040326703	0.012749257	0.001001764	12.55292606	0.024142122	4.367123127	0.001000001	0.001000001	5.00015E-06	0.006924373	0.001276249	0.009524059	0.023635164	5.00004E-06	19.54140854	1.9348E-05	0.000288261	0.000311417
2056 Aug	56.41574478	0.039255925	0.012288131	0.001001654	12.32655144	0.025196565	4.306134701	0.001000001	0.001000001	5.00014E-06	0.006812826	0.001264453	0.009541655	0.02304912	5.00003E-06	19.07868958	1.8447E-05	0.000278867	0.000298141
2056 Sep	56.19174576	0.040811103	0.012077601	0.001001603	12.32950115	0.0257877	4.319721699	0.001000001	0.001000001	5.00014E-06	0.006835236	0.00125935	0.009622674	0.02284986	5.00003E-06	18.96619225	1.82394E-05	0.000276472	0.000292725
2056 Oct	55.90784836	0.044792961	0.011684486	0.001001514	12.36674309	0.026854819	4.365283012	0.001000001	0.001000001	5.00013E-06	0.006927703	0.001251055	0.009735279	0.022536047	5.00003E-06	18.79588509	1.80594E-05	0.000272225	0.000283687
2056 Nov	55.84261703	0.045707904	0.011594157	0.001001494	12.37530041	0.027100021	4.375751972	0.001000001	0.001000001	5.00013E-06	0.00694895	0.001249149	0.009761153	0.022463938	5.00003E-06	18.75675201	1.80181E-05	0.000271249	0.00028161
2056 Dec	55.84040833	0.04573888	0.011591098	0.001001493	12.37559032	0.027108321	4.376106262	0.001000001	0.001000001	5.00013E-06	0.006949669	0.001249084	0.009762029	0.022461498	5.00003E-06	18.75542641	1.80167E-05	0.000271216	0.00028154
2057 Jan	55.84826279	0.045757402	0.011592682	0.001001493	12.37804794	0.027110448	4.377017498	0.001000001	0.001000001	5.00013E-06	0.006949811	0.001249214	0.009762048	0.022465544	5.00003E-06	18.75875092	1.80164E-05	0.000271246	0.000281605
2057 Feb	55.8599205	0.045768254	0.011596231	0.001001493	12.38124371	0.027109509	4.378089905	0.001000001	0.001000001	5.00013E-06	0.006949673	0.001249418	0.009761671	0.022472145	5.00003E-06	18.76386261	1.80167E-05	0.000271303	0.000281727
2057 Mar	55.86628342	0.045774173	0.011598168	0.001001492	12.38298798	0.027108995	4.378674507	0.001000001	0.001000001	5.00013E-06	0.006949597	0.00124953	0.009761464	0.022475747	5.00003E-06	18.76665306	1.80168E-05	0.000271334	0.000281793
2057 Apr	55.86990356	0.045777544	0.011599271	0.001001492	12.3839798	0.027108705	4.379007339	0.001000001	0.001000001	5.00013E-06	0.006949554	0.001249593	0.009761347	0.022477798	5.00003E-06	18.76823997	1.80169E-05	0.000271351	0.00028183
2057 May	56.69073868	0.046336826	0.011867656	0.001001457	12.59681129	0.026937738	4.448124886	0.001000001	0.001000001	5.00013E-06	0.006942941	0.001263625	0.009729788	0.022944106	5.00003E-06	19.12586212	1.80946E-05	0.000275651	0.000290692
2057 Jun	56.21849442	0.040185012	0.012237223	0.00100085	12.12701893	0.024049489	4.227619648	0.001000001	0.001000001	5.00007E-06	0.007036135	0.001244858	0.009606482	0.022717649	5.00002E-06	18.85466003	1.97385E-05	0.000282189	0.000294976
2057 Jul	53.94664383	0.036861487	0.01163529	0.001000757	11.46695518	0.023898385	4.000132561	0.001	0.001	5.00007E-06	0.007040745	0.001207013	0.009612696	0.021500945	5.00002E-06	17.87748146	1.9772E-05	0.000271693	0.000273705
2057 Aug	53.69809341	0.036699507	0.011533568	0.001000745	11.43131065	0.024189232	3.991686821	0.001	0.001	5.00006E-06	0.007010773	0.001204996	0.009625049	0.021383541	5.00002E-06	17.7884922	1.95268E-05	0.000269646	0.000270822
2057 Sep	53.54687119	0.037982605	0.01136407	0.001000724	11.45327377	0.024759455	4.009115219	0.001	0.001	5.00006E-06	0.007016276	0.001201816	0.009703141	0.021239139	5.00001E-06	17.71551704	1.92706E-05	0.000267694	0.000266487
2057 Oct	53.47630692	0.040114634	0.011181986	0.001000703	11.49752712	0.025338558	4.041471004	0.001	0.001	5.00006E-06	0.007058728	0.001199189	0.009758843	0.021123575	5.00001E-06	17.66357422	1.91484E-05	0.000265757	0.000262582
2057 Nov	53.46692657	0.040398039	0.011157783	0.001000701	11.50340939	0.025415536	4.045772552	0.001	0.001	5.00006E-06	0.00706437	0.00119884	0.009766247	0.021108214	5.00001E-06	17.65666962	1.91321E-05	0.0002655	0.000262063
2057 Dec	53.46598816	0.040426396	0.011155361	0.0010007	11.5039978	0.02542324	4.04620266	0.001	0.001	5.00006E-06	0.007064935	0.001198805	0.009766988	0.021106677	5.00001E-06	17.65597725	1.91305E-05	0.000265474	0.000262011
2058 Jan	53.473717123	0.04044329	0.011156797	0.0010007	11.50627327	0.025425414	4.047047615	0.001	0.001	5.00006E-06	0.007065031	0.001198926	0.009767002	0.021110402	5.00001E-06	17.65903854	1.913E-05	0.000265501	0.000262071
2058 Feb	53.48334885	0.040453114	0.011159864	0.0010007	11.50908852	0.025424806	4.047996521	0.001	0.001	5.00006E-06	0.0070649	0.001199105	0.009766681	0.021116165	5.00001E-06	17.66350746	1.91301E-05	0.00026555	0.000262176
2058 Mar	53.48889923	0.040458471	0.011161537	0.0010007	11.51062393	0.025424473	4.048513412	0.001	0.001	5.00006E-06	0.007064829	0.001199203	0.009766506	0.021119311	5.00001E-06	17.66594505	1.91302E-05	0.000265576	0.000262234
2058 Apr	53.49205399	0.040461518	0.011162489	0.0010007	11.5114975	0.025424285	4.048807621	0.001	0.001	5.00006E-06	0.007064789	0.001199259	0.009766406	0.0211211	5.00001E-06	17.6673317	1.91302E-05	0.000265592	0.000262266
2058 May	57.1621666	0.043332972	0.012328304	0.00100063	12.48879147	0.024878625	4.370887756	0.001	0.001	5.00005E-06	0.00702557	0.00126297	0.009633966	0.023206653	5.00001E-06	19.27284813	1.93434E-05	0.000284145	0.000301276
2058 Jun	66.30593872	0.048348293	0.015423415	0.00100032	14.80307865	0.022478504	5.109975815	0.001	0.001	5.00003E-06	0.006953089	0.001418336	0.00925147	0.028424187	5.00001E-06	23.2533474	2.04427E-05	0.000333486	0.000401877
2058 Jul	63.95104599	0.045407984	0.014757476	0.001000296	14.14340591	0.022534637	4.886671543	0.001	0.001	5.00003E-06	0.006956754	0.001379305	0.009277475	0.027148563	5.00001E-06	22.24057198	2.03738E-05	0.000322054	0.000378934
2058 Aug	62.96679306	0.044609595	0.01440126	0.001000284	13.94942951	0.023244023	4.830872536	0.001	0.001	5.00002E-06	0.006888697	0.001368148	0.009304496	0.026659068	5.00001E-06	21.85999298	1.97861E-05	0.000315164	0.000368271
2058 Sep	61.97691727	0.048208378	0.013738488	0.001000263	13.84514713	0.024807351	4.829804897	0.001	0.001	5.00002E-06	0.00694811	0.001348526	0.009509388	0.025926946	5.00001E-06	21.39400482	1.92309E-05	0.000306779	0.000350303
2058 Oct	61.38264084	0.051714763	0.0132619	0.001000249	13.79905415	0.025908634	4.846722126	0.001	0.001	5.00002E-06	0.007032748	0.001335517	0.009626134	0.02545099	5.00001E-06	21.09436607	1.90001E-05	0.000300956	0.000338288
2058 Nov	61.31505585	0.052113522	0.013207702	0.001000248	13.79381275	0.026033875	4.848646641	0.001	0.001	5.00002E-06	0.007042374	0.001334038	0.009639411	0.025396861	5.00001E-06	21.06029129	1.89739E-05	0.000300293	0.000336921
2058 Dec	61.31053162	0.052140228	0.013204073	0.001000247	13.7934618	0.026042262	4.848775387	0.001	0.001	5.00002E-06	0.007043018	0.001333938	0.009640301	0.025393236	5.00001E-06	21.0580101	1.89721E-05	0.000300249	0.00033683
2059 Jan	61.31669235	0.052156359	0.013205188	0.001000247	13.79546165	0.026044553	4.849529743	0.001	0.001	5.00002E-06	0.007043131	0.001334041	0.009640349	0.025396379	5.00001E-06	21.06061935	1.89716E-05	0.000300271	0.000336879
2059 Feb	61.32712173	0.052165903	0.013208371	0.001000247	13.79833126	0.026043793	4.850492477	0.001	0.001	5.00002E-06	0.007042987	0.001334225	0.009640004	0.025402308	5.00001E-06	21.06520462	1.89717E-05	0.000300321	0.000336987
2059 Mar	61.33280945	0.052171111	0.013210108	0.001000247	13.79989624	0.02604338	4.851017475	0.001	0.001	5.00002E-06	0.007042909	0.001334326	0.009639816	0.025405541	5.00001E-06	21.06770706	1.89718E-05	0.000300349	0.000337047
2059 Apr	61.33605194	0.052174073	0.013211096	0.001000247	13.80078793	0.026043143	4.851316452	0.001	0.001	5.00002E-06	0.007042864	0.001334384	0.009639709	0.025407379	5.00001E-06	21.06912994	1.89719E-05	0.000300364	0.00033708
2059 May	63.07107162	0.053193931	0.013789056	0.001000232	14.25065613	0.025677111	4.996667385	0.001	0.001	5.00002E-06	0.007020573	0.001364566	0.00956763	0.026403677	5E-06	21.82992554	1.91098E-05	0.000309431	0.00035604
2059 Jun	67.62924194	0.054131646	0.015456096	0.001000163	15.34817886	0.023980848	5.333141327	0.001	0.001	5.00001E-06	0.006967037	0.001442313	0.009333129	0.029052617	5E-06	23.82254028	1.98295E-05	0.000335393	0.000408589
2059 Jul	66.47677612	0.052545633	0.015142079	0.001000157	15.01963615	0.023957852	5.220654011	0.001	0.001	5.00001E-06	0.006967668	0.0014232	0.009341883	0.028432367	5E-06	23.32736397	1.98151E-05	0.00032994	0.000397586
2059 Aug	66.03837585	0.052147932	0.01498766	0.001000155	14.92916012	0.024239607	5.193155766	0.001	0.001	5.00001E-06	0.006940097	0.001417769	0.009359744	0.028207852	5E-06	23.15474319	1.95772E-05	0.000327052	0.000392808
2059 Sep	65.28774261	0.053996041	0.014553466	0.001000148	14.82013321	0.025157763	5.175697327	0.001	0.001	5.00001E-06	0.006973055	0.001403432	0.009484311	0.027686238	5E-06	22.80877686	1.92397E-05	0.000321352	0.000380621
2059 Oct	63.19294739	0.062622175	0.013144853	0.001000126	14.55176353	0.028083406	5.170433998	0.001	0.001	5.00001E-06	0.007198196	0.001360167	0.009803631	0.02614009	5E-06	21.79011154	1.86145E-05	0.000303459	0.000343668
2059 Nov	62.87822723	0.063918144	0.012933224	0.001000123	14.51144409	0.02852295	5.169642925	0.001	0.001	5.00001E-06	0.007232021	0.001353667	0.009851606	0.025907801	5E-06	21.6370697	1.85206E-05	0.000300771	0.000338116

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Dec	62.87274551	0.063940734	0.012929535	0.001000123	14.51074123	0.028530611	5.169629097	0.001	0.001	5.00001E-06	0.00723261	0.001353554	0.009852442	0.025903752	5E-06	21.63439941	1.8519E-05	0.000300724	0.000338019
2060 Jan	62.8788414	0.063954666	0.012930786	0.001000123	14.51266384	0.028532375	5.170341492	0.001	0.001	5.00001E-06	0.00723268	0.001353657	0.009852436	0.025906937	5E-06	21.63700294	1.85186E-05	0.000300747	0.000338071
2060 Feb	62.8897171	0.063963227	0.012934206	0.001000122	14.51561832	0.028531233	5.171321869	0.001	0.001	5.00001E-06	0.007232502	0.00135385	0.009852041	0.025913166	5E-06	21.64179993	1.85188E-05	0.000300801	0.000338186
2060 Mar	62.89561081	0.063967876	0.012936059	0.001000122	14.51721859	0.028530614	5.171853542	0.001	0.001	5.00001E-06	0.007232405	0.001353955	0.009851827	0.025916547	5E-06	21.64439964	1.85189E-05	0.00030083	0.000338249
2060 Apr	62.89888763	0.063970454	0.01293709	0.001000122	14.51810932	0.02853027	5.172148705	0.001	0.001	5.00001E-06	0.007232351	0.001354013	0.009851708	0.025918424	5E-06	21.64584541	1.85189E-05	0.000300846	0.000338283
2060 May	67.11851501	0.064754963	0.014466588	0.001000103	15.56353664	0.027200846	5.496036053	0.001	0.001	5.00001E-06	0.007145481	0.001428595	0.009633237	0.028401669	5E-06	23.51303864	1.89446E-05	0.000324094	0.00038687
2060 Jun	71.18744659	0.061558675	0.016257189	0.001000065	16.41494179	0.024538277	5.720492363	0.001	0.001	5.00001E-06	0.00703412	0.001499789	0.009320932	0.030898446	5E-06	25.32343674	1.9898E-05	0.000350454	0.000439736
2060 Jul	69.6501236	0.059333872	0.015846161	0.001000062	15.97333336	0.02447767	5.568125248	0.001	0.001	5.00001E-06	0.007033264	0.001474228	0.009333124	0.03007216	5E-06	24.66309166	1.98862E-05	0.000343298	0.000425169
2060 Aug	67.85516357	0.05796719	0.015185244	0.001000058	15.6084795	0.025689354	5.450185299	0.001	0.001	5E-06	0.006932059	0.001448046	0.009509711	0.029066566	5E-06	23.93096352	1.89055E-05	0.000332372	0.000403749
2060 Sep	64.24115753	0.059299793	0.01357034	0.001000048	14.95238113	0.028873153	5.256649017	0.001	0.001	5E-06	0.006855689	0.001385229	0.010079472	0.02677574	5E-06	22.36473465	1.7005E-05	0.000309703	0.000353174
2060 Oct	63.29138565	0.063139096	0.012951844	0.001000045	14.81148338	0.030036978	5.248230934	0.001	0.001	5E-06	0.006974354	0.001365366	0.010192812	0.026084688	5E-06	21.89819336	1.68603E-05	0.000301786	0.000337068
2060 Nov	62.96230698	0.064469345	0.012737546	0.001000044	14.76266479	0.030440226	5.245314598	0.001	0.001	5E-06	0.007015469	0.001358484	0.010232083	0.025845248	5E-06	21.73654556	1.68102E-05	0.000299043	0.000331488
2060 Dec	62.95569229	0.064496107	0.012733235	0.001000044	14.76168251	0.030448338	5.245255947	0.001	0.001	5E-06	0.007016296	0.001358346	0.010232873	0.025840433	5E-06	21.73329353	1.68092E-05	0.000298988	0.000331376
2061 Jan	62.96269608	0.064512014	0.012734734	0.001000044	14.76382637	0.03044981	5.246055126	0.001	0.001	5E-06	0.00701644	0.001358463	0.010232755	0.025844125	5E-06	21.73626709	1.68092E-05	0.000299015	0.000331437
2061 Feb	62.97514725	0.064521745	0.012738681	0.001000044	14.76717186	0.030448208	5.247166157	0.001	0.001	5E-06	0.007016269	0.001358684	0.010232245	0.025851272	5E-06	21.7417469	1.68097E-05	0.000299076	0.00033157
2061 Mar	62.98189545	0.06452702	0.012740823	0.001000044	14.7689867	0.03044734	5.247769356	0.001	0.001	5E-06	0.007016176	0.001358804	0.010231967	0.02585515	5E-06	21.74471855	1.68099E-05	0.00029911	0.000331642
2061 Apr	62.98575592	0.064530037	0.012742047	0.001000044	14.7700243	0.030446842	5.248114109	0.001	0.001	5E-06	0.007016124	0.001358872	0.010231809	0.025857367	5E-06	21.746418	1.68101E-05	0.000299129	0.000331684
2061 May	67.27630615	0.065241426	0.014333261	0.001000037	15.79640102	0.028786063	5.566431046	0.001	0.001	5E-06	0.006961884	0.00143418	0.009948527	0.028400186	5E-06	23.63511848	1.75159E-05	0.000323117	0.000382295
2061 Jun	70.84947968	0.060693681	0.01610681	0.001000022	16.40427399	0.025245316	5.705448627	0.001	0.001	5E-06	0.006925905	0.001495288	0.009503894	0.030671025	5E-06	25.2077713	1.91492E-05	0.000348562	0.000433665
2061 Jul	68.76203918	0.057708561	0.015540287	0.001000021	15.82025528	0.02529075	5.508672237	0.001	0.001	5E-06	0.0069075	0.001462966	0.009488474	0.029586598	5E-06	24.3281517	1.90212E-05	0.000338077	0.00041426
2061 Aug	68.17635345	0.057034835	0.015350699	0.00100002	15.68912315	0.025577946	5.468517303	0.001	0.001	5E-06	0.006873995	0.001456016	0.009489665	0.029300906	5E-06	24.09887123	1.87601E-05	0.000334282	0.000408407
2061 Sep	67.49615479	0.057798449	0.015019021	0.00100002	15.56927013	0.02621687	5.437957764	0.001	0.001	5E-06	0.006881109	0.001443646	0.009590805	0.02885633	5E-06	23.79548264	1.84624E-05	0.000329746	0.000398492
2061 Oct	65.52851105	0.064355195	0.0138181	0.001000017	15.26130772	0.028468292	5.402243137	0.001	0.001	5E-06	0.007075156	0.001403654	0.009837627	0.027459156	5E-06	22.84909821	1.80474E-05	0.000314194	0.000366309
2061 Nov	64.87628174	0.066528618	0.013420022	0.001000016	15.15922451	0.029214589	5.390404701	0.001	0.001	5E-06	0.007139478	0.001390397	0.009919444	0.026996024	5E-06	22.53539085	1.79098E-05	0.000309039	0.000355641
2061 Dec	64.86877441	0.06655363	0.013415442	0.001000016	15.15804958	0.029223176	5.390268326	0.001	0.001	5E-06	0.007140218	0.001390245	0.009920386	0.026990695	5E-06	22.53178215	1.79082E-05	0.00030898	0.000355519
2062 Jan	64.87514496	0.066568755	0.013416727	0.001000016	15.16005516	0.029224986	5.39101696	0.001	0.001	5E-06	0.007140324	0.001390352	0.00992036	0.026994012	5E-06	22.53449249	1.79079E-05	0.000309004	0.000355572
2062 Feb	64.88710785	0.066578016	0.013420508	0.001000016	15.16328716	0.029223597	5.392088413	0.001	0.001	5E-06	0.007140137	0.001390564	0.009919904	0.027000871	5E-06	22.5397625	1.79082E-05	0.000309063	0.0003557
2062 Mar	64.89362335	0.066583067	0.013422569	0.001000016	15.1650486	0.029222839	5.392673016	0.001	0.001	5E-06	0.007140035	0.00139068	0.009919656	0.027004611	5E-06	22.54263687	1.79084E-05	0.000309095	0.000355769
2062 Apr	64.89735413	0.066585951	0.013423746	0.001000016	15.16605473	0.029222405	5.393006325	0.001	0.001	5E-06	0.007139977	0.001390746	0.009919515	0.027006747	5E-06	22.54427719	1.79085E-05	0.000309113	0.000355809
2062 May	64.89890289	0.066586927	0.013424257	0.001000016	15.16646481	0.029222142	5.393140316	0.001	0.001	5E-06	0.007139952	0.001390774	0.009919449	0.027007645	5E-06	22.54496384	1.79086E-05	0.000309121	0.000355825
2062 Jun	54.92006683	0.047192354	0.011228234	0.001000011	11.97698689	0.026055163	4.231278896	0.001	0.001	5E-06	0.007245927	0.00121084	0.009946114	0.021598857	5E-06	18.16640091	1.94845E-05	0.000271809	0.000268326
2062 Jul	49.54450607	0.036851194	0.010000199	0.001000008	10.33088112	0.024942765	3.644429445	0.001	0.001	5E-06	0.007224018	0.001122177	0.009890074	0.018800881	5E-06	15.87067318	1.98009E-05	0.000249001	0.000221791
2062 Aug	48.58210373	0.03637803	0.009533852	0.001000007	10.27800083	0.026781149	3.642280102	0.001	0.001	5E-06	0.007023868	0.00111781	0.010022592	0.018351039	5E-06	15.56255817	1.82144E-05	0.000239661	0.000208737
2062 Sep	48.62668228	0.041800343	0.009114037	0.001000006	10.49332619	0.028578658	3.753733873	0.001	0.001	5E-06	0.007076162	0.001115651	0.010242866	0.018163214	5E-06	15.54327583	1.75479E-05	0.000235673	0.00019979
2062 Oct	49.22359085	0.058998514	0.00811327	0.001000005	11.10309219	0.03257326	4.090952396	0.001	0.001	5E-06	0.00742252	0.001114277	0.010585161	0.017928904	5E-06	15.63005161	1.69281E-05	0.000226995	0.000182813
2062 Nov	49.26874542	0.060299423	0.008037569	0.001000005	11.1492157	0.032875422	4.116460323	0.001	0.001	5E-06	0.00744872	0.001114173	0.010611053	0.017911181	5E-06	15.63661575	1.68812E-05	0.000226339	0.000181529
2062 Dec	49.2695961	0.060323901	0.008036145	0.001000005	11.15008354	0.032881107	4.116940498	0.001	0.001	5E-06	0.007449212	0.001114171	0.010611541	0.017910846	5E-06	15.63673878	1.68803E-05	0.000226327	0.000181505
2063 Jan	49.27921677	0.06033884	0.00803866	0.001000005	11.15288067	0.032881763	4.117927551	0.001	0.001	5E-06	0.007449227	0.001114336	0.01061134	0.017916104	5E-06	15.64089775	1.68803E-05	0.000226369	0.000181597
2063 Feb	49.2918663	0.060347859	0.008042719	0.001000005	11.15627098	0.032880049	4.119044304	0.001	0.001	5E-06	0.007449021	0.001114561	0.010610846	0.017923377	5E-06	15.64647675	1.68808E-05	0.000226432	0.000181732
2063 Mar	49.29876328	0.060352769	0.008044932	0.001000005	11.15812016	0.03287911	4.119653225	0.001	0.001	5E-06	0.007448908	0.001114683	0.010610577	0.017927343	5E-06	15.64951611	1.6881E-05	0.000226467	0.000181806
2063 Apr	49.30268478	0.06035557	0.00804619	0.001000005	11.15917206	0.032878578	4.119999886	0.001	0.001	5E-06	0.007448844	0.001114753	0.010610422	0.017929601	5E-06	15.65124607	1.68811E-05	0.000226486	0.000181849
2063 May	52.62260818	0.061061852	0.009246496	0.001000004	11.98092556	0.031827442	4.37553215	0.001	0.001	5E-06	0.007385674	0.001173347	0.010434072	0.01988234	5E-06	17.11854362	1.72377E-05	0.000244732	0.000220065
2063 Jun	60.91259766	0.051662769	0.013150845	0.001000002	13.57388401	0.025164442	4.760578632	0.001	0.001	5E-06	0.00716752	0.00131722	0.009680752	0.025051951	5E-06	20.8044014	1.97919E-05	0.000301594	0.000332963
2063 Jul	57.5046196	0.046053886	0.012297045	0.001000002	12.56402969	0.024759768	4.406258106	0.001	0.001	5E-06	0.007165336	0.001260215	0.009687265	0.023236414	5E-06	19.34005737	1.98903E-05	0.000286481	0.000301769
2063 Aug	57.01190567	0.045561109	0.0121152	0.001000002	12.47848225	0.025209017	4.38209486	0.001	0.001	5E-06	0.007113884	0.001255512	0.009707544	0.023000481	5E-06	19.15831375	1.94906E-05	0.000282813	0.000296352
2063 Sep	56.3535881	0.046712186	0.011716104	0.001000001	12.43107319	0.02640982	4.376043797	0.001	0.001	5E-06	0.007069041	0.001244446	0.009907972	0.022535508	5E-06	18.87962914	1.8735E-05	0.000277591	0.000284445
2063 Oct	56.03313446	0.050710242	0.011307953	0.001000001	12.46564865	0.027539581	4.42247057	0.001	0.001	5E-06	0.007156003	0.001236276	0.010013837	0.022211259	5E-06	18.69855118	1.85081E-05	0.000272876	0.000275059
2063 Nov	55.9786644	0.051389806	0.011238579	0.001000001	12.47152519	0.027731612	4.430362225	0.001	0.001	5E-06	0.007170785	0.001234887	0.010031833	0.022156145	5E-06	18.66777229	1.84695E-05	0.000272074	0.000273464
2063 Dec	55.97636032	0.05141855	0.011235644	0.001000001	12.4717741	0.027739735	4.430696011	0.001	0.001	5E-06	0.00717141	0.001234828	0.010032594	0.022153813	5E-06	18.66646957	1.84679E-05	0.00027204	0.000273396
2064 Jan	55.98433304	0.05143597	0.011237349	0.001000001	12.47425365	0.02774174	4.431611061	0.001	0.001	5E-06	0.007171497	0.001234964	0.010032542	0.022158017	5E-06	18.66988373	1.84674E-05	0.000272071	0.000273465
2064 Feb	55.996315	0.051446367	0.011241051	0.001000001	12.47753048	0.027740689	4.432706833	0.001	0.001	5E-06	0.007171324	0.001235176	0.010032117	0.022164853	5E-06	18.67515564	1.84677E-05	0.000272129	0.000273591
2064 Mar	56.00281143	0.051452007	0.011243059	0.001000001	12.47930717	0.027740117	4.433300972	0.001	0.001	5E-06	0.007171231	0.001235291	0.010031886	0.02216856	5E-06	18.67801476	1.84678E-05	0.000272161	0.000273659
2064 Apr	56.00642014	0.05145514	0.011244175	0.001000001	12.48029423	0.027739801	4.433630943	0.001	0.001	5E-06	0.007171179	0.001235356	0.010031759	0.022170622	5E-06	18.67960358	1.84678E-05	0.000272178	0.000273697
2064 May	60.07873917	0.053559165	0.012623711	0.001000001	13.52881527	0.026811933	4.771327019	0.001	0.001	5E-06	0.007111686	0.001306954	0.009842115	0.024530202	5E-06	20.47158241	1.88013E-05	0.000293499	0.000318816
2064 Jun	68.47821808	0.05488915	0.015723765	0.001000001	15.55431271	0.023697725	5.394708157	0.001	0.001	5E-06	0.006987302	0.00145327	0.009356192	0.029472068	5E-06	24.16658211	2.00422E-05	0.000340771	0.000416816
2064 Jul	65.79935455	0.051265739	0.014961716	0.001000001	14.84452629	0.024087597	5.162579536	0.001	0.001	5E-06	0.006928728	0.001415168	0.009320929	0.028119789	5E-06	23.06367302	1.96081E-05	0.000326041	0.00039175
2064 Aug	63.70424652	0.049061246	0.014257458	0.001000001	14.39756489	0.025302524	5.029301167	0.001	0.001	5E-06	0.006794753	0.001391341	0.009334189	0.027102314	5E-06	22.25186539	1.85377E-05	0.000311923	0.000370373
2064 Sep	61.70504379	0.052429989	0.013174445	0.001	14.10376072	0.027693424	4.96320343	0.001	0.001	5E-06	0.006811492	0.001353385	0.009739213	0.025717879	5E-06	21.34958649	1.73946E-05	0.00029794	0.000338237
2064 Oct	61.29111099	0.054770354	0.012855964	0.001	14.06075764	0.028367698	4.970091343	0.001	0.001	5E-06	0.006877278	0.001343903	0.009813659	0.025386017	5E-06	21.13726807	1.73013E-05	0.000294124	0.000330124
2064 Nov	61.28525162	0.054803479	0.012851456	0.001	14.06014919	0.028377242	4.970189095	0.001	0.001	5E-06	0.006878209	0.001343769	0.009814712	0.025381317	5E-06	21.13426018	1.73E-05	0.00029407	0.000330009
2064 Dec	61.28215408	0.054820981	0.012849076	0.001	14.0598278	0.028382283	4.970240593	0.001	0.001	5E-06	0.006878701	0.001343698	0.009815268	0.025378836	5E-06	21.13267326	1.72993E-05	0.000294041	0.000329948
2065 Jan	61.28637314	0.054831561	0.012849898	0.001	14.0611515	0.02838346	4.97073698	0.001	0.001	5E-06	0.006878805	0.001343766	0.009815272	0.02538099	5E-06	21.1344471	1.72992E-05	0.000294058	0.000329983
2065 Feb	61.2935257	0.054837879	0.012852112	0.001	14.06309605	0.028382737	4.971386433	0.001	0.001	5E-06	0.006878721	0.001343892	0.00981502	0.025385058	5E-06	21.13758659	1.72994E-05	0.000294093	0.000330058
2065 Mar	61.2974205	0.054841314	0.012853316	0.001	14.06415462	0.028382342	4.971739769	0.001	0.001	5E-06	0.006878675	0.00134396	0.009814884	0.02538727	5E-06	21.13929176	1.72996E-05	0.000294112	0.000330099
2065 Apr	61.29964066	0.054843269	0.012854002	0.001	14.06475735	0.028382119	4.971941471	0.001	0.001	5E-06	0.006878648	0.001343999	0.009814805	0.02538853	5E-06	21.14026642	1.72996E-05	0.000294122	0.000330122
2065 May	64.43603516	0.056392182	0.01393654	0.001	14.84805775	0.027465289	5.221154213	0.001	0.001	5E-06	0.006856368	0.001397439	0.009665513	0.027189309	5E-06	22.5060215	1.77317E-05	0.000311174	0.000365115
2065 Jun	66.93396759	0.053263642	0.015200574	0.001	15.22399712	0.024588706	5.292245865	0.001	0.001	5E-06	0.006891391	0.001434112	0.009406961	0.02868947	5E-06	23.55857658	1.92566E-05	0.000330826	0.000400437
2065 Jul	64.84879303	0.050386805	0.014638082	0.001	14.62239265	0.024487333	5.08570528	0.001	0.001	5E-06	0.006900158	0.00139904	0.009420652	0.02756265	5E-06	22.6582737	1.92851E-05	0.00032113	0.000380606
2065 Aug	64.02268219	0.049864594	0.014322766	0.001	14.46395302	0.025125226	5.036781311	0.001	0.001	5E-06	0.006848084	0.001387706	0.009497437	0.027107455	5E-06	22.32628632	1.87792E-05	0.000315777	0.000370669
2065 Sep	62.18744659	0.055556603	0.013183281	0.001	14.22182274	0.02759641	5.011158943	0.001	0.001	5E-06	0.006961409	0.001351347	0.009824667	0.025787525	5E-06	21.46377182	1.7964E-05	0.000301184	0.000339317
2065 Oct	59.82151413	0.067686357	0.011440126	0.001	13.96155739	0.031303622	5.038604259	0.001	0.001	5E-06	0.007289151	0.001299937	0.010213489	0.02395826	5E-06	20.27861023	1.73326E-05	0.00027963	0.00029473
2065 Nov	59.43170166	0.069684841	0.011152925	0.001	13.91867542	0.03191442	5.043125629	0.001	0.001	5E-06	0.00734315	0.001291467	0.010277552	0.023656873	5E-06	20.08334351	1.72286E-05	0.000276079	0.000287384
2065 Dec	59.42735672	0.069707118	0.011149726	0.001	13.91819763	0.031921227	5.043176174	0.001	0.001	5E-06	0.007343751	0.001291372	0.010278265	0.023653515	5E-06	20.08116722	1.72274E-05	0.00027604	0.000287302
2066 Jan	59.43519211	0.069721043	0.011151644	0.001	13.92052555	0.031922217	5.044011593	0.001	0.001	5E-06	0.007343796	0.001291506	0.010278135	0.023657739	5E-06	20.08453751	1.72273E-05	0.000276073	0.000287374
2066 Feb	59.44776535	0.069729686	0.011155701	0.001	13.92388916	0.031920448	5.045117378	0.001	0.001	5E-06	0.007343582	0.00129173	0.010277634	0.023664983	5E-06	20.09008789	1.72277E-05	0.000276136	0.00028751
2066 Mar	59.45463562	0.069734409	0.011157918	0.001	13.92572784	0.031919483	5.045722008	0.001	0.001	5E-06	0.007343465	0.001291852	0.010277361	0.023668941	5E-06	20.09312057	1.7228E-05	0.00027617	0.000287584
2066 Apr	59.45854568	0.069737092	0.011159179	0.001	13.92677307	0.031918935	5.046065331	0.001	0.001	5E-06	0.007343398	0.001291921	0.010277204	0.023671195	5E-06	20.09484673	1.72281E-05	0.00027619	0.000287626
2066 May	59.86575317	0.069728158	0.011313798	0.001	14.02421093	0.031760182	5.075499058	0.001	0.001	5E-06	0.007334484	0.001299136	0.010252845	0.023913784	5E-06	20.27541542	1.72816E-05	0.000278508	0.00029246
2066 Jun	56.74113083	0.051580757	0.011592657	0.001	12.55066872	0.026579801	4.447101593	0.001	0.001	5E-06	0.007278143	0.001241757	0.009927016	0.022553928	5E-06	18.94218254	1.94074E-05	0.000278514	0.000283777
2066 Jul	53.9221611	0.04606979	0.010940661	0.001	11.70973682	0.026177876	4.150339603	0.001	0.001	5E-06	0.007236222	0.001197984	0.00987819	0.021125691	5E-06	17.7602005	1.93877E-05	0.000265766	0.000259635
2066 Aug	53.38169861	0.045355279	0.01074802	0.001	11.62103748	0.026708964	4.125968456	0.001	0.001	5E-06	0.00716467	0.001194055	0.009888371	0.020888219	5E-06	17.57130814	1.88808E-05	0.000261513	0.00025401
2066 Sep	53.15210724	0.048176538	0.010433746	0.001	11.67309475	0.027746763	4.166023731	0.001	0.001	5E-06	0.007196485	0.001188568	0.010016466	0.020641861	5E-06	17.45002747	1.8496E-05	0.000257968	0.000246382
2066 Oct	52.97151184	0.053784057	0.009960049	0.001	11.78876972	0.029250847	4.250932217	0.001	0.001	5E-06	0.007310121	0.001181718	0.010158872	0.020341812	5E-06	17.31490135	1.81913E-05	0.000252915	0.000236236

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Nov	52.92336655	0.05527899	0.009833764	0.001	11.81960869	0.029651826	4.273567677	0.001	0.001	5E-06	0.007340416	0.001179892	0.010196838	0.020261819	5E-06	17.27887535	1.811E-05	0.000251568	0.000233531
2066 Dec	52.92245102	0.055307467	0.009831359	0.001	11.82019615	0.029659465	4.273999214	0.001	0.001	5E-06	0.007340993	0.001179858	0.01019756	0.020260295	5E-06	17.27819061	1.81085E-05	0.000251542	0.000233479
2067 Jan	52.93172073	0.055324811	0.009833548	0.001	11.82299805	0.029661054	4.275010109	0.001	0.001	5E-06	0.007341038	0.001180016	0.01019746	0.020265261	5E-06	17.28218079	1.81081E-05	0.00025158	0.000233563
2067 Feb	52.9446907	0.055335134	0.009837621	0.001	11.82651901	0.029659681	4.276178837	0.001	0.001	5E-06	0.007340833	0.001180246	0.010196992	0.020272681	5E-06	17.2878952	1.81084E-05	0.000251644	0.000233701
2067 Mar	52.95175934	0.055340767	0.009839843	0.001	11.82843876	0.029658934	4.276815891	0.001	0.001	5E-06	0.007340722	0.001180372	0.010196736	0.020276731	5E-06	17.29101181	1.81086E-05	0.000251679	0.000233776
2067 Apr	52.95579147	0.055343974	0.009841109	0.001	11.82953262	0.029658506	4.277179241	0.001	0.001	5E-06	0.007340658	0.001180443	0.010196591	0.020279037	5E-06	17.29278564	1.81086E-05	0.000251699	0.000233818
2067 May	56.50453186	0.056653749	0.011078699	0.001	12.73033905	0.028732687	4.562208652	0.001	0.001	5E-06	0.007276841	0.001242959	0.010029151	0.022347128	5E-06	18.85862923	1.84097E-05	0.00027071	0.000273719
2067 Jun	62.97994995	0.05558484	0.013617542	0.001	14.23128128	0.025788052	5.002962112	0.001	0.001	5E-06	0.007142628	0.001355954	0.009634118	0.026205443	5E-06	21.72060776	1.94783E-05	0.000308996	0.000351826
2067 Jul	61.47925186	0.05311257	0.013227291	0.001	13.81308556	0.02582721	4.861126423	0.001	0.001	5E-06	0.007110456	0.001334032	0.009609656	0.025451381	5E-06	21.10027122	1.93189E-05	0.000301339	0.000338371
2067 Aug	59.61075592	0.050383151	0.012652325	0.001	13.4073925	0.026831606	4.741509914	0.001	0.001	5E-06	0.006956581	0.001316925	0.009537498	0.024634775	5E-06	20.40847588	1.82953E-05	0.000288201	0.000321331
2067 Sep	58.97597122	0.052145224	0.012252383	0.001	13.33994961	0.027820403	4.733810902	0.001	0.001	5E-06	0.006969218	0.001304313	0.009698892	0.024164194	5E-06	20.11584473	1.78483E-05	0.000283273	0.000309853
2067 Oct	58.00964737	0.059532024	0.011364766	0.001	13.2983427	0.029923007	4.78352356	0.001	0.001	5E-06	0.00715657	0.001280531	0.009937688	0.02331185	5E-06	19.59987068	1.74997E-05	0.000273081	0.000287841
2067 Nov	57.79402924	0.061180245	0.011166711	0.001	13.28905964	0.030392163	4.794616699	0.001	0.001	5E-06	0.007198374	0.001275224	0.009990971	0.023121666	5E-06	19.4847393	1.74219E-05	0.000270807	0.000282929
2067 Dec	57.79012299	0.061210137	0.01116312	0.001	13.28889084	0.030400669	4.794817924	0.001	0.001	5E-06	0.007199132	0.001275128	0.009991936	0.023118217	5E-06	19.48265266	1.74205E-05	0.000270766	0.00028284
2068 Jan	57.79919434	0.061228093	0.011165207	0.001	13.29163361	0.030402252	4.795809746	0.001	0.001	5E-06	0.007199229	0.001275279	0.009991886	0.023122996	5E-06	19.48652077	1.74204E-05	0.000270803	0.00028292
2068 Feb	57.8133812	0.061239056	0.011169694	0.001	13.2954607	0.030400544	4.797074318	0.001	0.001	5E-06	0.007199015	0.00127553	0.009991379	0.023131104	5E-06	19.49276161	1.74208E-05	0.000270874	0.000283071
2068 Mar	57.82106781	0.061245002	0.011172127	0.001	13.29753494	0.030399619	4.797760487	0.001	0.001	5E-06	0.0071989	0.001275665	0.009991104	0.023135498	5E-06	19.49614716	1.7421E-05	0.000270912	0.000283153
2068 Apr	57.82534409	0.061248306	0.01117348	0.001	13.29868889	0.030399105	4.798141479	0.001	0.001	5E-06	0.007198835	0.001275741	0.009990951	0.023137942	5E-06	19.49802589	1.74211E-05	0.000270933	0.000283198
2068 May	60.86986923	0.061983164	0.012269866	0.001	14.04943848	0.029414438	5.030379295	0.001	0.001	5E-06	0.007149223	0.001328473	0.009845019	0.024910195	5E-06	20.83602715	1.77837E-05	0.000287892	0.000317938
2068 Jun	65.94334412	0.055316269	0.014746569	0.001	14.95635891	0.024758706	5.226034641	0.001	0.001	5E-06	0.007047859	0.001411501	0.009421448	0.028021399	5E-06	23.05854607	1.97126E-05	0.000325107	0.000387656
2068 Jul	62.20887756	0.049783718	0.013732172	0.001	13.92807579	0.024972942	4.880086422	0.001	0.001	5E-06	0.006986523	0.001355507	0.009391675	0.026106076	5E-06	21.50151825	1.93234E-05	0.000305922	0.000353062
2068 Aug	61.4887085	0.049085032	0.013476772	0.001	13.7854681	0.02548472	4.837085724	0.001	0.001	5E-06	0.006932243	0.001347112	0.009422539	0.025743421	5E-06	21.22287941	1.88783E-05	0.000301041	0.000345199
2068 Sep	60.60705185	0.052309416	0.012884432	0.001	13.69262218	0.026878346	4.83496809	0.001	0.001	5E-06	0.006986759	0.001329078	0.009618866	0.025079718	5E-06	20.80426598	1.8386E-05	0.000293716	0.000328964
2068 Oct	60.22291565	0.05473648	0.012566509	0.001	13.66469288	0.027609065	4.847268105	0.001	0.001	5E-06	0.007047778	0.001320244	0.009700767	0.024761984	5E-06	20.60651016	1.82494E-05	0.000289937	0.000320942
2068 Nov	60.1929245	0.054925963	0.012541687	0.001	13.66251278	0.027666112	4.848228455	0.001	0.001	5E-06	0.007052541	0.001319554	0.009707161	0.024737177	5E-06	20.59107208	1.82388E-05	0.000289642	0.000320315
2068 Dec	60.18946838	0.054947808	0.012538826	0.001	13.66226101	0.027672689	4.848338604	0.001	0.001	5E-06	0.00705309	0.001319475	0.009707898	0.024734318	5E-06	20.58929253	1.82376E-05	0.000289608	0.000320243
2069 Jan	60.19503021	0.05496091	0.012539948	0.001	13.66401005	0.027674263	4.848986626	0.001	0.001	5E-06	0.007053181	0.001319567	0.009707919	0.024737185	5E-06	20.5916481	1.82373E-05	0.00028963	0.000320289
2069 Feb	60.20411301	0.054968808	0.012542757	0.001	13.66649055	0.027673434	4.849814415	0.001	0.001	5E-06	0.007053056	0.001319727	0.009707616	0.02474235	5E-06	20.59564209	1.82375E-05	0.000289674	0.000320384
2069 Mar	60.20907211	0.054973118	0.012544288	0.001	13.66784382	0.02767298	4.85026598	0.001	0.001	5E-06	0.007052988	0.001319814	0.00970745	0.024745168	5E-06	20.59781837	1.82376E-05	0.000289698	0.000320436
2069 Apr	60.2118988	0.054975577	0.012545161	0.001	13.66861534	0.027672723	4.850522995	0.001	0.001	5E-06	0.00705295	0.001319864	0.009707355	0.024746774	5E-06	20.59906006	1.82376E-05	0.000289712	0.000320466
2069 May	60.49148178	0.055107702	0.012641007	0.001	13.73962688	0.027600789	4.873076439	0.001	0.001	5E-06	0.007049398	0.001324681	0.00969555	0.024907457	5E-06	20.72144318	1.82659E-05	0.000291218	0.000323561
2069 Jun	55.65488815	0.04272842	0.011842276	0.001	12.02694798	0.024624925	4.21815443	0.001	0.001	5E-06	0.007136869	0.001231311	0.009676002	0.022284297	5E-06	18.56303596	1.98117E-05	0.000277882	0.000285265
2069 Jul	53.13835907	0.038625192	0.011208375	0.001	11.28388405	0.024348507	3.958164215	0.001	0.001	5E-06	0.007134127	0.001189436	0.009678547	0.020946208	5E-06	17.48312378	1.98708E-05	0.00026662	0.000262216
2069 Aug	52.41119385	0.038225483	0.010892023	0.001	11.197155	0.02534801	3.938025236	0.001	0.001	5E-06	0.007032278	0.001183352	0.009753533	0.020585159	5E-06	17.22442245	1.9028E-05	0.000260558	0.000253022
2069 Sep	52.0992775	0.045291908	0.010225522	0.001	11.36552238	0.027635578	4.050106525	0.001	0.001	5E-06	0.007132817	0.001173685	0.010019347	0.020132491	5E-06	17.02852821	1.82958E-05	0.00025343	0.000237767
2069 Oct	51.90010071	0.05843135	0.009203913	0.001	11.68506908	0.03103039	4.263185501	0.001	0.001	5E-06	0.007400107	0.001161235	0.010338146	0.019559179	5E-06	16.80789757	1.76515E-05	0.000242984	0.000216698
2069 Nov	51.85777283	0.061223656	0.008986807	0.001	11.75297737	0.03175183	4.308467388	0.001	0.001	5E-06	0.007456909	0.001158589	0.010405895	0.019437341	5E-06	16.76100922	1.75146E-05	0.000240764	0.00021222
2069 Dec	51.85732651	0.061253186	0.008984512	0.001	11.75369549	0.03175946	4.308946133	0.001	0.001	5E-06	0.00745751	0.001158561	0.010406611	0.019436052	5E-06	16.76051331	1.75131E-05	0.000240741	0.000212173
2070 Jan	51.86839676	0.061271355	0.008987317	0.001	11.75695896	0.031760633	4.310104847	0.001	0.001	5E-06	0.007457525	0.001158751	0.010406429	0.019442065	5E-06	16.76529694	1.75129E-05	0.000240788	0.000212277
2070 Feb	51.8836174	0.061282355	0.008992181	0.001	11.76105404	0.031758692	4.311454773	0.001	0.001	5E-06	0.007457268	0.001159021	0.010405852	0.019450808	5E-06	16.7720089	1.75133E-05	0.000240864	0.00021244
2070 Mar	51.89188004	0.061288331	0.008994821	0.001	11.76327705	0.031757642	4.312187195	0.001	0.001	5E-06	0.007457129	0.001159168	0.010405538	0.019455556	5E-06	16.77565384	1.75136E-05	0.000240905	0.000212528
2070 Apr	51.90645981	0.061298866	0.008999483	0.001	11.76720142	0.031755783	4.313480854	0.001	0.001	5E-06	0.007456883	0.001159427	0.010404984	0.019463936	5E-06	16.78208733	1.75139E-05	0.000240978	0.000212684
2070 May	55.10795975	0.061962869	0.01015472	0.001	12.56332779	0.030772695	4.560829163	0.001	0.001	5E-06	0.007391235	0.001216041	0.010240971	0.021346377	5E-06	18.19868279	1.7826E-05	0.000258542	0.000249442
2070 Jun	62.9418869	0.059753578	0.013288157	0.001	14.35973263	0.027030045	5.080962658	0.001	0.001	5E-06	0.007203535	0.001353892	0.009741021	0.026051966	5E-06	21.67475128	1.91141E-05	0.000305338	0.000345218
2070 Jul	61.14011765	0.056501586	0.01284693	0.001	13.83736897	0.026904065	4.899282455	0.001	0.001	5E-06	0.007173638	0.001326341	0.009716257	0.02513651	5E-06	20.92177582	1.90304E-05	0.000296796	0.00032936
2070 Aug	59.96088409	0.054736119	0.012480577	0.001	13.5849371	0.027568834	4.822387218	0.001	0.001	5E-06	0.007071621	0.001314863	0.009699331	0.024603955	5E-06	20.4824028	1.8347E-05	0.000288722	0.000318188
2070 Sep	58.72455215	0.06102898	0.011541902	0.001	13.4816103	0.029780418	4.843845367	0.001	0.001	5E-06	0.007207201	0.001288002	0.009976411	0.023622179	5E-06	19.87056351	1.77512E-05	0.00027738	0.000293627
2070 Oct	57.7550087	0.06755738	0.01071215	0.001	13.42052364	0.031710818	4.881409168	0.001	0.001	5E-06	0.007371175	0.001265425	0.010188684	0.022807611	5E-06	19.36695099	1.74022E-05	0.000267565	0.000272873
2070 Nov	57.65125656	0.068255983	0.010623359	0.001	13.41398811	0.031917389	4.885428429	0.001	0.001	5E-06	0.007388722	0.001263009	0.010211398	0.022720445	5E-06	19.31305885	1.73649E-05	0.000266515	0.000270652
2070 Dec	57.6484108	0.068275161	0.010620922	0.001	13.41380787	0.031923059	4.885539055	0.001	0.001	5E-06	0.007389203	0.001262942	0.010212022	0.022718051	5E-06	19.31158066	1.73639E-05	0.000266486	0.000270591
2071 Jan	57.6553154	0.068287097	0.010622631	0.001	13.41585636	0.031923898	4.886268616	0.001	0.001	5E-06	0.007389231	0.00126306	0.010211932	0.022721767	5E-06	19.31455421	1.73637E-05	0.000266516	0.000270655
2071 Feb	57.66594315	0.068294436	0.010626055	0.001	13.41870403	0.03192243	4.88720417	0.001	0.001	5E-06	0.007389048	0.001263248	0.010211525	0.022727882	5E-06	19.31924438	1.73641E-05	0.000266569	0.000270769
2071 Mar	57.67175674	0.068298437	0.010627926	0.001	13.42026043	0.031921629	4.887714863	0.001	0.001	5E-06	0.007388948	0.001263351	0.010211304	0.022731224	5E-06	19.32180595	1.73642E-05	0.000266598	0.000270831
2071 Apr	57.67506409	0.068300724	0.010628993	0.001	13.42114639	0.031921174	4.88800621	0.001	0.001	5E-06	0.007388891	0.00126341	0.010211176	0.022733128	5E-06	19.32326698	1.73643E-05	0.000266615	0.000270867
2071 May	61.1529541	0.068376675	0.011934258	0.001	14.26157379	0.030637603	5.142385006	0.001	0.001	5E-06	0.007312017	0.001324696	0.01002153	0.024791818	5E-06	20.86342621	1.77827E-05	0.000286363	0.000311695
2071 Jun	65.67900085	0.060541119	0.014264622	0.001	15.04374027	0.026220419	5.297292709	0.001	0.001	5E-06	0.007153825	0.001402823	0.009581614	0.02767013	5E-06	22.88708878	1.9394E-05	0.000320014	0.000376717
2071 Jul	62.95695877	0.055968616	0.013589533	0.001	14.23260117	0.025858276	5.010923862	0.001	0.001	5E-06	0.007152874	0.001356838	0.009594275	0.026213959	5E-06	21.71492767	1.94913E-05	0.000308163	0.000351797
2071 Aug	62.2713089	0.055310678	0.013339163	0.001	14.10153008	0.02638673	4.969054222	0.001	0.001	5E-06	0.00709777	0.001348	0.009656226	0.025847325	5E-06	21.44553947	1.90299E-05	0.000303736	0.00034378
2071 Sep	60.78236008	0.058220871	0.012501235	0.001	13.90062141	0.028322944	4.931346416	0.001	0.001	5E-06	0.007109933	0.001320652	0.009949847	0.024821958	5E-06	20.77799416	1.81094E-05	0.000292672	0.000319506
2071 Oct	60.08587646	0.062117506	0.01196273	0.001	13.83596611	0.029520171	4.946325302	0.001	0.001	5E-06	0.007209724	0.00130553	0.0100719	0.024274785	5E-06	20.42781067	1.78861E-05	0.000286019	0.000305902
2071 Nov	59.57196426	0.064992726	0.011565383	0.001	13.78826046	0.030403567	4.957378387	0.001	0.001	5E-06	0.007283357	0.001294371	0.010161958	0.023871044	5E-06	20.16941833	1.77214E-05	0.00028111	0.000295863
2071 Dec	59.53693771	0.065188676	0.011538303	0.001	13.78500938	0.030463772	4.958131313	0.001	0.001	5E-06	0.007288375	0.001293611	0.010168096	0.023843527	5E-06	20.15180969	1.77102E-05	0.000280775	0.000295179
2072 Jan	59.54730606	0.065208875	0.011540708	0.001	13.78815174	0.03046564	4.959273815	0.001	0.001	5E-06	0.007288456	0.001293787	0.010167966	0.02384907	5E-06	20.15626144	1.77099E-05	0.000280818	0.000295272
2072 Feb	59.56415176	0.065221362	0.011546073	0.001	13.79269123	0.030463558	4.960773945	0.001	0.001	5E-06	0.007288179	0.001294087	0.010167315	0.023858752	5E-06	20.16369247	1.77104E-05	0.000280901	0.000295453
2072 Mar	59.57329559	0.065228149	0.011548985	0.001	13.79515553	0.030462429	4.961588383	0.001	0.001	5E-06	0.007288029	0.00129425	0.010166962	0.023864008	5E-06	20.16772461	1.77106E-05	0.000280946	0.00029555
2072 Apr	59.57837296	0.065231912	0.011550602	0.001	13.79652309	0.030461801	4.962040424	0.001	0.001	5E-06	0.007287946	0.00129434	0.010166765	0.023866925	5E-06	20.16996574	1.77108E-05	0.000280972	0.000295605
2072 May	59.58599854	0.065233894	0.011553328	0.001	13.79842949	0.030459542	4.962637901	0.001	0.001	5E-06	0.007287799	0.001294476	0.010166365	0.023871409	5E-06	20.17333984	1.77115E-05	0.000281013	0.000295692
2072 Jun	53.04700089	0.049521655	0.010350658	0.001	11.59592342	0.027389105	4.137603283	0.001	0.001	5E-06	0.007328821	0.001176631	0.010104343	0.020412389	5E-06	17.31661987	1.91065E-05	0.000259358	0.000242924
2072 Jul	50.49734497	0.043879695	0.009781581	0.001	10.87014198	0.027294779	3.88813138	0.001	0.001	5E-06	0.007214435	0.001144577	0.009970723	0.019249279	5E-06	16.30747604	1.87149E-05	0.000246075	0.00022288
2072 Aug	49.44296646	0.043678474	0.009192119	0.001	10.86256409	0.029748546	3.886408091	0.001	0.001	5E-06	0.006966165	0.001133769	0.010370003	0.018591307	5E-06	15.94103718	1.6622E-05	0.000237136	0.000204128
2072 Sep	49.10779572	0.046975344	0.008722216	0.001	10.99443817	0.031718928	3.95052886	0.001	0.001	5E-06	0.006914659	0.001126854	0.010695739	0.018208897	5E-06	15.79212952	1.54777E-05	0.000232113	0.000191327
2072 Oct	49.37922668	0.055991028	0.008210068	0.001	11.2703867	0.033546306	4.114191055	0.001	0.001	5E-06	0.00713279	0.001124535	0.010827038	0.018070081	5E-06	15.80697155	1.5412E-05	0.000227695	0.000182889
2072 Nov	49.42636108	0.0575567	0.008121128	0.001	11.31830883	0.033863645	4.142612457	0.001	0.001	5E-06	0.007170671	0.001124133	0.010849839	0.018045973	5E-06	15.80954933	1.54006E-05	0.000226927	0.000181424
2072 Dec	49.42715073	0.057582956	0.008119637	0.001	11.31911278	0.033868968	4.143089294	0.001	0.001	5E-06	0.007171306	0.001124126	0.010850222	0.018045569	5E-06	15.80959225	1.54004E-05	0.000226915	0.000181399
2073 Jan	49.4369278	0.0575989	0.008122179	0.001	11.32192039	0.033869378	4.144088268	0.001	0.001	5E-06	0.007171393	0.001124292	0.010849555	0.018050894	5E-06	15.81378841	1.54008E-05	0.000226958	0.000181493
2073 Feb	49.44980621	0.057608467	0.008126308	0.001	11.32535553	0.03386749	4.145224094	0.001	0.001	5E-06	0.007171221	0.001124519	0.010849418	0.018058294	5E-06	15.81945419	1.54014E-05	0.000227022	0.000181632
2073 Mar	49.45682526	0.057613682	0.008128557	0.001	11.32722759	0.033866465	4.145843029	0.001	0.001	5E-06	0.007171127	0.001124643	0.010849125	0.018062327	5E-06	15.82254124	1.54018E-05	0.000227057	0.000181707
2073 Apr	49.46082306	0.057616655	0.00812984	0.001	11.32829475	0.03386588	4.146195889	0.001	0.001	5E-06	0.007171073	0.001124714	0.010848958	0.018064624	5E-06	15.82430077	1.5402E-05	0.000227077	0.00018175
2073 May	55.05634689	0.059189543	0.010149261	0.001	12.69534111	0.03195082	4.574934006	0.001	0.001	5E-06	0.007102549	0.00122248	0.010517613	0.02135006	5E-06	18.28309059	1.62096E-05	0.000257869	0.000246428
2073 Jun	63.2705307	0.057256207	0.013484308	0.001	14.49604893	0.027340012	5.098178387	0.001	0.001	5E-06	0.007012709	0.001364064	0.009870124	0.026288612	5E-06	21.88823891	1.82754E-05	0.000307765	0.000348825
2073 Jul	61.61582184	0.054472275	0.013058821	0.001	14.03662109	0.027394271	4.944544792	0.001	0.001	5E-06	0.006971218	0.001341118	0.009817151	0.025481338	5E-06	21.21256638	1.80788E-05	0.000299012	0.000334432
2073 Aug	60.53313446	0.05298654	0.012717944	0.001	13.80139923	0.027978633	4.873456001	0.001	0.001	5E-06	0.006888235	0.001330038	0.009801026	0.024984049	5E-06	20.80360603	1.75011E-05	0.000291657	0.000324078
2073 Sep	59.65662003	0.055279672	0.012189237	0.001	13.68979359	0.0291859	4.857116222	0.001	0.001	5E-06	0.006917748	0.001312772	0.009987294	0.024351791	5E-06	20.39819145	1.70056E-05	0.000284987	0.000309015

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Oct	58.63017654	0.062128156	0.011328785	0.001	13.60723495	0.031078627	4.890973568	0.001	0.001	5E-06	0.007107122	0.001288503	0.010186297	0.023495819	5E-06	19.85982132	1.67656E-05	0.000274815	0.000287589
2073 Nov	58.40720367	0.063615851	0.011141869	0.001	13.58930016	0.031489786	4.898328304	0.001	0.001	5E-06	0.00714826	0.001283231	0.010229526	0.023309877	5E-06	19.74287033	1.67134E-05	0.000272606	0.000282935
2073 Dec	58.40364456	0.063639596	0.011138885	0.001	13.58901405	0.03149635	4.898445606	0.001	0.001	5E-06	0.007148916	0.001283147	0.010230216	0.023306908	5E-06	19.74100494	1.67126E-05	0.00027257	0.00028286
2074 Jan	58.4111824	0.063654229	0.011140661	0.001	13.59126377	0.031497408	4.899260998	0.001	0.001	5E-06	0.007149012	0.001283273	0.010230111	0.023310916	5E-06	19.74421883	1.67127E-05	0.000272602	0.000282929
2074 Feb	58.42305374	0.06366314	0.011144448	0.001	13.59444809	0.031495817	4.900312424	0.001	0.001	5E-06	0.00714884	0.001283483	0.010229651	0.023317723	5E-06	19.74944305	1.67131E-05	0.000272661	0.000283056
2074 Mar	58.42952347	0.06366799	0.011146511	0.001	13.59618282	0.031494949	4.900885582	0.001	0.001	5E-06	0.007148745	0.001283597	0.010229399	0.023321433	5E-06	19.75229263	1.67134E-05	0.000272693	0.000283125
2074 Apr	58.43320847	0.063670747	0.011147685	0.001	13.59717083	0.031494457	4.901212215	0.001	0.001	5E-06	0.007148691	0.001283662	0.010229256	0.023323543	5E-06	19.75391197	1.67135E-05	0.000272712	0.000283164
2074 May	64.30673218	0.06466385	0.013308477	0.001	15.0178194	0.02935393	5.3386693	0.001	0.001	5E-06	0.007060471	0.001385879	0.009897902	0.026773935	5E-06	22.33729362	1.75583E-05	0.00030573	0.000351484
2074 Jun	71.37089539	0.061685313	0.016259074	0.001	16.53735924	0.025124427	5.763399124	0.001	0.001	5E-06	0.006951054	0.00150683	0.009372972	0.031024912	5E-06	25.44248199	1.93322E-05	0.000350035	0.000440418
2074 Jul	69.32342529	0.058739785	0.015706014	0.001	15.9596653	0.025129305	5.566874027	0.001	0.001	5E-06	0.006938206	0.001474271	0.009371213	0.029947175	5E-06	24.57380486	1.92402E-05	0.000340027	0.000421222
2074 Aug	68.80239868	0.058232661	0.015527079	0.001	15.84733295	0.02542394	5.531478882	0.001	0.001	5E-06	0.006909285	0.001467357	0.00939618	0.029674498	5E-06	24.36331258	1.89884E-05	0.000336771	0.000415542
2074 Sep	66.92907715	0.061665881	0.014541984	0.001	15.52611542	0.027282111	5.462296486	0.001	0.001	5E-06	0.006985223	0.001431828	0.009658843	0.028414847	5E-06	23.50705338	1.83281E-05	0.000323595	0.000387207
2074 Oct	65.4693985	0.066347793	0.013663149	0.001	15.29345703	0.02891396	5.432612419	0.001	0.001	5E-06	0.007124737	0.001402188	0.009842232	0.02738194	5E-06	22.80643082	1.80216E-05	0.000312212	0.000363518
2074 Nov	65.28720856	0.066932149	0.01355346	0.001	15.26441669	0.029117635	5.428907394	0.001	0.001	5E-06	0.00714215	0.001398488	0.009865121	0.027253021	5E-06	22.7189846	1.79833E-05	0.000310791	0.000360561
2074 Dec	65.28049469	0.066953704	0.013549414	0.001	15.26334572	0.029125147	5.428771019	0.001	0.001	5E-06	0.007142792	0.001398352	0.009865965	0.027248265	5E-06	22.71575928	1.79819E-05	0.000310739	0.000360452
2075 Jan	65.28605652	0.06696701	0.013550527	0.001	15.26510143	0.029126769	5.429425716	0.001	0.001	5E-06	0.007142885	0.001398445	0.009865955	0.027251152	5E-06	22.71812248	1.79816E-05	0.00031076	0.000360499
2075 Feb	65.2966156	0.066975176	0.013553864	0.001	15.26795387	0.029125549	5.430371284	0.001	0.001	5E-06	0.007142719	0.001398632	0.009865558	0.027257204	5E-06	22.7227726	1.79819E-05	0.000310812	0.000360611
2075 Mar	65.30237579	0.066979632	0.013555689	0.001	15.26951504	0.029124882	5.430888176	0.001	0.001	5E-06	0.007142628	0.001398735	0.009865342	0.027260512	5E-06	22.725317	1.79821E-05	0.00031084	0.000360673
2075 Apr	65.30567169	0.06698218	0.013556728	0.001	15.27040386	0.029124502	5.431183338	0.001	0.001	5E-06	0.007142576	0.001398793	0.009865218	0.027262399	5E-06	22.72676659	1.79821E-05	0.000310857	0.000360708
2075 May	66.41828156	0.067073919	0.013971375	0.001	15.53904343	0.028713159	5.513245583	0.001	0.001	5E-06	0.007121487	0.001418358	0.009801398	0.027920421	5E-06	23.21838188	1.81294E-05	0.000317133	0.000373756
2075 Jun	55.48206711	0.046510451	0.01150413	0.001	12.07604408	0.025526924	4.255869865	0.001	0.001	5E-06	0.007237581	0.001221046	0.009865948	0.021965759	5E-06	18.41763306	1.97212E-05	0.000275602	0.000276514
2075 Jul	51.54642487	0.039288808	0.010574519	0.001	10.88774014	0.024859888	3.834804058	0.001	0.001	5E-06	0.007220832	0.00115624	0.009839314	0.019906752	5E-06	16.7368679	1.98811E-05	0.000258532	0.000241814
2075 Aug	50.94972992	0.038701408	0.01033524	0.001	10.81255627	0.025639141	3.818290472	0.001	0.001	5E-06	0.007126905	0.001152913	0.009861872	0.019647997	5E-06	16.53671455	1.91793E-05	0.000253304	0.000235126
2075 Sep	50.86970901	0.040318139	0.010167125	0.001	10.86365986	0.026288664	3.847584248	0.001	0.001	5E-06	0.007134654	0.001150881	0.009946323	0.01953461	5E-06	16.49312973	1.88957E-05	0.000251477	0.000231102
2075 Oct	50.88228989	0.04462672	0.009858697	0.001	10.99117947	0.027405553	3.924729347	0.001	0.001	5E-06	0.007216152	0.001148441	0.010048017	0.019395256	5E-06	16.45772552	1.86631E-05	0.000248404	0.000225067
2075 Nov	50.88474655	0.045467079	0.00979854	0.001	11.01605129	0.027623396	3.939776182	0.001	0.001	5E-06	0.007232048	0.001147965	0.010067851	0.019368077	5E-06	16.45082092	1.86178E-05	0.000247805	0.00022389
2075 Dec	50.88493347	0.045531426	0.009793933	0.001	11.01795578	0.027640076	3.940928221	0.001	0.001	5E-06	0.007233265	0.001147928	0.01006937	0.019365994	5E-06	16.45029068	1.86143E-05	0.000247759	0.0002238
2076 Jan	50.89711761	0.045556221	0.009796662	0.001	11.02170086	0.027642727	3.942294121	0.001	0.001	5E-06	0.007233358	0.001148135	0.010069289	0.019372456	5E-06	16.45551872	1.86137E-05	0.000247808	0.000223907
2076 Feb	50.91368103	0.045570858	0.009801758	0.001	11.0262413	0.027641373	3.943813086	0.001	0.001	5E-06	0.007233121	0.001148429	0.010068728	0.019381884	5E-06	16.46280479	1.8614E-05	0.000247888	0.00022408
2076 Mar	50.92267609	0.045578808	0.009804525	0.001	11.0287075	0.027640633	3.944638252	0.001	0.001	5E-06	0.007232992	0.001148588	0.010068422	0.019387009	5E-06	16.46676254	1.86141E-05	0.000247932	0.000224174
2076 Apr	50.92768097	0.045583222	0.009806064	0.001	11.03007889	0.027640224	3.94509697	0.001	0.001	5E-06	0.007232921	0.001148676	0.010068252	0.019389857	5E-06	16.46896172	1.86142E-05	0.000247956	0.000224227
2076 May	54.50607681	0.047729883	0.010992387	0.001	11.96450043	0.026940139	4.248013973	0.001	0.001	5E-06	0.007181786	0.001211352	0.009919944	0.021448402	5E-06	18.04137802	1.88557E-05	0.000266474	0.00026325
2076 Jun	62.8930397	0.049295448	0.014064725	0.001	13.99564552	0.023909995	4.871658325	0.001	0.001	5E-06	0.00706194	0.001355937	0.009480995	0.026344869	5E-06	21.72089195	2.00647E-05	0.000313886	0.000360132
2076 Jul	60.71460724	0.046170861	0.013473791	0.001	13.38404369	0.023940599	4.663972378	0.001	0.001	5E-06	0.007045308	0.001321525	0.009479103	0.025200579	5E-06	20.79853821	1.99448E-05	0.000303155	0.000339683
2076 Aug	59.96297073	0.045639459	0.013184049	0.001	13.25067616	0.024608318	4.624961853	0.001	0.001	5E-06	0.006982371	0.001312672	0.009536517	0.024808254	5E-06	20.50809097	1.93926E-05	0.000297874	0.000330827
2076 Sep	59.55590057	0.047248054	0.012896016	0.001	13.218997	0.025347317	4.628917694	0.001	0.001	5E-06	0.007001405	0.001304668	0.00963625	0.024499895	5E-06	20.31765556	1.90986E-05	0.000294263	0.000323023
2076 Oct	58.74563599	0.053486247	0.012141144	0.001	13.19806099	0.027226146	4.677777767	0.001	0.001	5E-06	0.007144673	0.001286057	0.009828769	0.023802012	5E-06	19.89532089	1.87068E-05	0.000285252	0.00030457
2076 Nov	58.56694412	0.05486203	0.011974663	0.001	13.1934433	0.027640507	4.688553333	0.001	0.001	5E-06	0.00717627	0.001281953	0.009871226	0.023648102	5E-06	19.80217743	1.86204E-05	0.000283264	0.0003005
2076 Dec	58.56344223	0.054888971	0.011971403	0.001	13.1933527	0.02764862	4.688764572	0.001	0.001	5E-06	0.007176888	0.001281873	0.009872057	0.023645086	5E-06	19.800354	1.86187E-05	0.000283225	0.00030042
2077 Jan	58.57067871	0.054905321	0.011972906	0.001	13.19562531	0.027650625	4.689604759	0.001	0.001	5E-06	0.007176973	0.001281995	0.009872048	0.023648871	5E-06	19.80344391	1.86182E-05	0.000283253	0.000300482
2077 Feb	58.58205414	0.054915033	0.011976429	0.001	13.19873428	0.027649609	4.690642357	0.001	0.001	5E-06	0.007176803	0.001282196	0.009871653	0.023655359	5E-06	19.8084507	1.86184E-05	0.000283308	0.000300601
2077 Mar	58.58826447	0.054920331	0.011978352	0.001	13.20043087	0.027649056	4.691208839	0.001	0.001	5E-06	0.007176711	0.001282306	0.009871438	0.023658901	5E-06	19.81118584	1.86185E-05	0.000283339	0.000300666
2077 Apr	58.5918045	0.054923356	0.01197945	0.001	13.20139885	0.02764874	4.691531658	0.001	0.001	5E-06	0.007176658	0.001282369	0.009871314	0.023660921	5E-06	19.81274414	1.86186E-05	0.000283356	0.000300703
2077 May	61.11252594	0.056054603	0.012844644	0.001	13.84597778	0.027034458	4.897071362	0.001	0.001	5E-06	0.007136359	0.001326563	0.009757147	0.025122093	5E-06	20.92232132	1.88299E-05	0.000296742	0.000328763
2077 Jun	65.6944046	0.053611867	0.014789007	0.001	14.82194901	0.024202555	5.163205624	0.001	0.001	5E-06	0.00705117	0.001404724	0.009432008	0.027880032	5E-06	22.93873978	1.99663E-05	0.000326007	0.000386732
2077 Jul	63.49393845	0.050420247	0.014206544	0.001	14.1807127	0.024040394	4.940502644	0.001	0.001	5E-06	0.007060145	0.001367194	0.009455197	0.026684836	5E-06	21.98609161	2.00183E-05	0.000316072	0.000365848
2077 Aug	62.79795456	0.049977768	0.013935345	0.001	14.0543499	0.024637213	4.901604652	0.001	0.001	5E-06	0.007008521	0.001357915	0.009528344	0.026301339	5E-06	21.70953751	1.9536E-05	0.000311462	0.000357311
2077 Sep	60.60899353	0.055512991	0.012622949	0.001	13.78408718	0.027716167	4.866261482	0.001	0.001	5E-06	0.007061511	0.001317128	0.009960142	0.024764018	5E-06	20.71498108	1.82033E-05	0.000294262	0.000320336
2077 Oct	59.90188217	0.059742022	0.012057247	0.001	13.72589874	0.028998805	4.886575699	0.001	0.001	5E-06	0.007168262	0.001301757	0.010085546	0.024202691	5E-06	20.35766029	1.79656E-05	0.000287266	0.000306211
2077 Nov	59.87739563	0.059888467	0.012037657	0.001	13.72388458	0.029043222	4.887279034	0.001	0.001	5E-06	0.007171959	0.001301224	0.01008989	0.024183251	5E-06	20.34528732	1.79574E-05	0.000287024	0.000305722
2077 Dec	59.87381744	0.05990985	0.012034797	0.001	13.72359085	0.029049708	4.88738203	0.001	0.001	5E-06	0.007172498	0.001301147	0.010090523	0.024180414	5E-06	20.34348106	1.79562E-05	0.000286989	0.00030565
2078 Jan	59.8798027	0.059922919	0.012036084	0.001	13.72544289	0.029051136	4.888066292	0.001	0.001	5E-06	0.007172573	0.001301248	0.010090468	0.024183573	5E-06	20.34603882	1.79559E-05	0.000287012	0.000305702
2078 Feb	59.88953781	0.059930775	0.01203914	0.001	13.72808266	0.029050091	4.888944626	0.001	0.001	5E-06	0.007172426	0.001301421	0.010090099	0.02418915	5E-06	20.35032654	1.79562E-05	0.00028706	0.000305806
2078 Mar	59.89484024	0.059935056	0.012040804	0.001	13.72952175	0.029049523	4.889423847	0.001	0.001	5E-06	0.007172346	0.001301515	0.010089898	0.02419219	5E-06	20.35266304	1.79563E-05	0.000287086	0.000305862
2078 Apr	59.8978653	0.059937499	0.012041753	0.001	13.73034286	0.029049197	4.889697075	0.001	0.001	5E-06	0.0071723	0.001301569	0.010089783	0.024193924	5E-06	20.35399628	1.79564E-05	0.000287101	0.000305894
2078 May	66.67430878	0.061980013	0.014454691	0.001	15.41918659	0.027010223	5.421570778	0.001	0.001	5E-06	0.007060241	0.001421208	0.009720291	0.028172489	5E-06	23.3444519	1.86985E-05	0.000323808	0.000383433
2078 Jun	72.26687622	0.061346851	0.016639639	0.001	16.71190071	0.024440374	5.806515217	0.001	0.001	5E-06	0.006961138	0.001519399	0.009338861	0.031520676	5E-06	25.81557274	1.97018E-05	0.000356481	0.000451261
2078 Jul	70.71627045	0.059198488	0.016201634	0.001	16.30094528	0.02466388	5.672082424	0.001	0.001	5E-06	0.006924615	0.00149758	0.00931474	0.030742852	5E-06	25.17915916	1.94429E-05	0.000347929	0.000436856
2078 Aug	68.45632935	0.05661973	0.015471378	0.001	15.79067516	0.02573723	5.514958382	0.001	0.001	5E-06	0.006801436	0.00147019	0.009324107	0.029632013	5E-06	24.2899189	1.84718E-05	0.000333445	0.000414205
2078 Sep	67.30586243	0.057072181	0.014958113	0.001	15.5776701	0.026717277	5.451245785	0.001	0.001	5E-06	0.006783459	0.001449604	0.00951061	0.028893813	5E-06	23.786623	1.79032E-05	0.000326389	0.000398023
2078 Oct	66.48197174	0.059886701	0.014452459	0.001	15.44678116	0.027645638	5.435441017	0.001	0.001	5E-06	0.006870621	0.00143236	0.009619244	0.028300025	5E-06	23.38615608	1.77558E-05	0.000319971	0.000384413
2078 Nov	66.27067566	0.06060851	0.01432278	0.001	15.41321373	0.027883723	5.431387901	0.001	0.001	5E-06	0.006892975	0.001427937	0.009647105	0.028147742	5E-06	23.28345108	1.7718E-05	0.000318325	0.000380923
2078 Dec	66.26421356	0.060630597	0.014318811	0.001	15.41218662	0.02789101	5.4312644	0.001	0.001	5E-06	0.006893659	0.001427802	0.009647957	0.028143082	5E-06	23.28030968	1.77168E-05	0.000318275	0.000380816
2079 Jan	66.2689743	0.060644094	0.014319624	0.001	15.41372967	0.027892774	5.431852818	0.001	0.001	5E-06	0.006893802	0.001427879	0.009648001	0.02814546	5E-06	23.28229713	1.77167E-05	0.000318292	0.000380853
2079 Feb	66.27840424	0.060652249	0.01432255	0.001	15.41629219	0.02789182	5.432708263	0.001	0.001	5E-06	0.006893682	0.001428045	0.009647668	0.028150827	5E-06	23.28643799	1.77169E-05	0.000318338	0.000380952
2079 Mar	66.28354645	0.060656693	0.014324146	0.001	15.41769123	0.027891299	5.43317461	0.001	0.001	5E-06	0.006893617	0.001428135	0.009647487	0.028153757	5E-06	23.28869629	1.77171E-05	0.000318363	0.000381006
2079 Apr	66.28647614	0.060659222	0.014325053	0.001	15.4184866	0.027891003	5.433440208	0.001	0.001	5E-06	0.006893579	0.001428187	0.009647384	0.02815542	5E-06	23.28997993	1.77172E-05	0.000318377	0.000381037
2079 May	66.59236908	0.060767435	0.014433824	0.001	15.49350643	0.027789306	5.456914902	0.001	0.001	5E-06	0.006890752	0.001433409	0.009631934	0.028332286	5E-06	23.42346764	1.77627E-05	0.000320077	0.00038451
2079 Jun	59.51440048	0.045419961	0.013056921	0.001	13.08834457	0.024326425	4.562726498	0.001	0.001	5E-06	0.00704451	0.001299143	0.009605831	0.024467645	5E-06	20.26718903	1.97157E-05	0.000297297	0.000325351
2079 Jul	55.70516968	0.039789002	0.012050463	0.001	11.99076653	0.02414407	4.185771465	0.001	0.001	5E-06	0.007038771	0.00123694	0.009604874	0.02244636	5E-06	18.63837242	1.96946E-05	0.000279347	0.000289859
2079 Aug	54.85165024	0.038878307	0.011747396	0.001	11.83766365	0.024877215	4.146072388	0.001	0.001	5E-06	0.006949964	0.001230393	0.009589505	0.022074854	5E-06	18.33267212	1.90343E-05	0.000272598	0.000281327
2079 Sep	54.3104248	0.04499381	0.011067242	0.001	11.91778469	0.026957614	4.222233772	0.001	0.001	5E-06	0.007043811	0.001216825	0.009845264	0.021513745	5E-06	18.04042244	1.83684E-05	0.000265004	0.000264767
2079 Oct	54.04275513	0.050588135	0.010564442	0.001	12.00746918	0.02845281	4.298290253	0.001	0.001	5E-06	0.007164487	0.001207972	0.009994825	0.021156261	5E-06	17.86304283	1.80893E-05	0.000259618	0.000253599
2079 Nov	53.90465546	0.053474449	0.010305029	0.001	12.0537405	0.029224237	4.337530613	0.001	0.001	5E-06	0.007226748	0.001203405	0.01007199	0.02097182	5E-06	17.77152443	1.79453E-05	0.000256838	0.000247837
2079 Dec	53.79876328	0.055687658	0.010106113	0.001	12.08922195	0.029815761	4.367619514	0.001	0.001	5E-06	0.00727449	0.001199903	0.010131158	0.020830393	5E-06	17.70135117	1.78348E-05	0.000254707	0.000243418
2080 Jan	53.81624985	0.055721708	0.010110159	0.001	12.09452343	0.029818924	4.369539261	0.001	0.001	5E-06	0.007274627	0.001200198	0.010131017	0.020839684	5E-06	17.70884514	1.78343E-05	0.000254779	0.000243575
2080 Feb	53.84124756	0.055741694	0.010118011	0.001	12.10130024	0.02981621	4.371787548	0.001	0.001	5E-06	0.007274246	0.00120064	0.010130123	0.02085397	5E-06	17.71985054	1.78349E-05	0.000254902	0.000243839
2080 Mar	53.85484314	0.055752564	0.010122281	0.001	12.10498619	0.029814733	4.373010159	0.001	0.001	5E-06	0.00727404	0.001200881	0.010129637	0.020861739	5E-06	17.72583389	1.78352E-05	0.000254969	0.000243983
2080 Apr	53.86240005	0.05575861	0.010124655	0.001	12.10703468	0.029813912	4.373690128	0.001	0.001	5E-06	0.007273925	0.001201015	0.010129367	0.020866059	5E-06	17.72916222	1.78354E-05	0.000255006	0.000244063
2080 May	53.94462967	0.055789839	0.010153319	0.001	12.12784576	0.029791966	4.380265713	0.001	0.001	5E-06	0.007272564	0.001202453	0.010125569	0.020913821	5E-06	17.76536179	1.7843E-05	0.000255449	0.000244986
2080 Jun	48.90518188	0.042569473	0.009325227	0.001	10.36664295	0.026875967	3.708417892	0.001	0.001	5E-06	0.007319944	0.001108777	0.010077257	0.018237006	5E-06	15.54661369	1.9221E-05	0.000240698	0.000205684
2080 Jul	46.1454277	0.0359299	0.008766352	0.001	9.532347679	0.026361644	3.411310673	0.001	0.001	5E-06	0.007225014	0.001070502	0.009952067	0.016940989	5E-06	14.42916107	1.90807E-05	0.000227946	0.000184436
2080 Aug	45.54994965	0.035006613	0.008528581	0.001	9.488140106	0.027385252	3.409452915	0.001	0.001	5E-06	0.007077853	0.001071787	0.009937178	0.016753936	5E-06	14.26727581	1.80878E-05	0.000221573	0.000178482

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Sep	45.71237183	0.038476069	0.008252691	0.001	9.722283363	0.029024398	3.506167889	0.001	0.001	5E-06	0.007042293	0.001073007	0.010204447	0.016667346	5E-06	14.32922935	1.71722E-05	0.00021949	0.000171948
2080 Oct	46.15873337	0.04463122	0.007982226	0.001	9.994828224	0.030352782	3.642022133	0.001	0.001	5E-06	0.007163503	0.001076083	0.010324646	0.016711636	5E-06	14.45984077	1.69916E-05	0.000217869	0.00016846
2080 Nov	46.47196198	0.04895046	0.007792434	0.001	10.18608093	0.031284947	3.737355232	0.001	0.001	5E-06	0.007248559	0.001078242	0.010408993	0.016742717	5E-06	14.5514946	1.68648E-05	0.000216732	0.000166013
2080 Dec	46.49625015	0.049285378	0.007777717	0.001	10.20091057	0.031357232	3.7447474	0.001	0.001	5E-06	0.007255154	0.001078409	0.010415534	0.016745128	5E-06	14.55860138	1.6855E-05	0.000216644	0.000165823
2081 Jan	46.51177216	0.049311977	0.007781599	0.001	10.2054739	0.031358782	3.746371269	0.001	0.001	5E-06	0.007255248	0.001078671	0.010415306	0.016753472	5E-06	14.56526375	1.6855E-05	0.000216711	0.000165967
2081 Feb	46.53116989	0.049327601	0.007787699	0.001	10.21071529	0.031356525	3.748109579	0.001	0.001	5E-06	0.00725498	0.001079013	0.010414609	0.016764544	5E-06	14.5737896	1.68557E-05	0.000216807	0.000166173
2081 Mar	46.54178619	0.04933615	0.007791037	0.001	10.21358395	0.031355292	3.749060869	0.001	0.001	5E-06	0.007254832	0.0010792	0.010414226	0.016770599	5E-06	14.57845497	1.6856E-05	0.00021686	0.000166285
2081 Apr	46.56323624	0.049353432	0.007797782	0.001	10.21937943	0.031352796	3.750983	0.001	0.001	5E-06	0.007254534	0.001079578	0.010413454	0.016782841	5E-06	14.58788204	1.68567E-05	0.000216966	0.000166512
2081 May	54.28778458	0.052876677	0.010456324	0.001	12.17917156	0.029343618	4.374343395	0.001	0.001	5E-06	0.007151363	0.001213586	0.010064754	0.021243174	5E-06	17.97572517	1.76332E-05	0.000258404	0.000252509
2081 Jun	61.82081223	0.054507028	0.013202528	0.001	14.00521564	0.026640978	4.936213493	0.001	0.001	5E-06	0.007053419	0.001342866	0.009677375	0.025627917	5E-06	21.27481461	1.87436E-05	0.00030097	0.000339207
2081 Jul	61.18392181	0.053432487	0.013043212	0.001	13.81933594	0.026587909	4.871698856	0.001	0.001	5E-06	0.007048165	0.001332754	0.009671743	0.025297634	5E-06	21.00528145	1.87361E-05	0.000298001	0.000333491
2081 Aug	60.83036041	0.05308995	0.012914402	0.001	13.75204754	0.026862625	4.850482464	0.001	0.001	5E-06	0.007019118	0.001328334	0.009700844	0.0251112	5E-06	20.86728668	1.84956E-05	0.000295681	0.000329402
2081 Sep	60.07926178	0.054149088	0.012510054	0.001	13.65135765	0.027837919	4.827162266	0.001	0.001	5E-06	0.007004702	0.001314793	0.009866458	0.024598049	5E-06	20.53708267	1.7955E-05	0.000290353	0.000317262
2081 Oct	59.73765564	0.056364171	0.012224962	0.001	13.62663174	0.028489416	4.839037895	0.001	0.001	5E-06	0.007061466	0.001307019	0.009934166	0.024317207	5E-06	20.36105156	1.78428E-05	0.000286924	0.000310153
2081 Nov	59.35151291	0.058868058	0.011902699	0.001	13.59868145	0.029225858	4.852462292	0.001	0.001	5E-06	0.00712563	0.001298231	0.010010698	0.023999751	5E-06	20.16206932	1.7716E-05	0.000283046	0.000302117
2081 Dec	59.28922653	0.05927192	0.01185072	0.001	13.59417248	0.029344637	4.854627132	0.001	0.001	5E-06	0.007135979	0.001296814	0.010023043	0.023948546	5E-06	20.12997627	1.76955E-05	0.000282421	0.000300821
2082 Jan	59.30164719	0.059298739	0.011853423	0.001	13.5979948	0.029347403	4.856032372	0.001	0.001	5E-06	0.007136147	0.001297022	0.010022956	0.023955075	5E-06	20.13527107	1.76952E-05	0.00028247	0.000300929
2082 Feb	59.32155991	0.059314847	0.011859671	0.001	13.60338974	0.029345211	4.857825279	0.001	0.001	5E-06	0.007135857	0.001297374	0.010022224	0.02396646	5E-06	20.14403152	1.76957E-05	0.000282568	0.00030114
2082 Mar	59.33238983	0.059323613	0.011863071	0.001	13.6063242	0.029344017	4.858800411	0.001	0.001	5E-06	0.0071357	0.001297566	0.010021826	0.023972653	5E-06	20.14879799	1.7696E-05	0.000282622	0.000301255
2082 Apr	59.33858109	0.059328619	0.011865013	0.001	13.60800076	0.029343335	4.859357834	0.001	0.001	5E-06	0.007135609	0.001297676	0.010021597	0.023976192	5E-06	20.15152359	1.76962E-05	0.000282652	0.000301321
2082 May	59.34891891	0.059332889	0.011868603	0.001	13.61061764	0.029340578	4.860188961	0.001	0.001	5E-06	0.007135455	0.001297857	0.010021097	0.023982201	5E-06	20.15607262	1.76972E-05	0.000282707	0.000301437
2082 Jun	50.41989517	0.040444206	0.010046778	0.001	10.6651659	0.025716664	3.772864103	0.001	0.001	5E-06	0.00725419	0.001134039	0.01000631	0.01915355	5E-06	16.22044945	1.95552E-05	0.000251684	0.000225626
2082 Jul	46.01740646	0.031402055	0.009091265	0.001	9.289320946	0.024563463	3.27811861	0.001	0.001	5E-06	0.007237488	0.001061236	0.009936979	0.016879069	5E-06	14.34014511	1.99325E-05	0.000233617	0.000188546
2082 Aug	45.7942276	0.031489283	0.008943492	0.001	9.31716156	0.025327256	3.294157982	0.001	0.001	5E-06	0.007157088	0.001062078	0.009994562	0.016782047	5E-06	14.28581715	1.92864E-05	0.000230621	0.000184716
2082 Sep	45.91609192	0.033949044	0.008777782	0.001	9.456274033	0.02624608	3.357620001	0.001	0.001	5E-06	0.007160407	0.001063499	0.010109589	0.016756365	5E-06	14.32928848	1.8864E-05	0.000229157	0.000181447
2082 Oct	46.54040909	0.043444965	0.008321092	0.001	9.884670258	0.028513217	3.573089361	0.001	0.001	5E-06	0.007322349	0.001069121	0.010295807	0.016809996	5E-06	14.51916885	1.83969E-05	0.000225632	0.000175228
2082 Nov	46.58406067	0.044108886	0.008289161	0.001	9.914622307	0.028671727	3.588154316	0.001	0.001	5E-06	0.007333671	0.001069514	0.010308827	0.016813746	5E-06	14.53244495	1.83643E-05	0.000225385	0.000174793
2082 Dec	46.58612061	0.044140212	0.008287655	0.001	9.916035652	0.028679205	3.588865042	0.001	0.001	5E-06	0.007334206	0.001069532	0.010309442	0.016813921	5E-06	14.53307152	1.83627E-05	0.000225374	0.000174772
2083 Jan	46.59621048	0.044158887	0.008290052	0.001	9.919081688	0.028680902	3.589963198	0.001	0.001	5E-06	0.007334249	0.001069705	0.010309321	0.016819341	5E-06	14.53741837	1.83623E-05	0.000225416	0.000174864
2083 Feb	46.60890198	0.044169784	0.00829398	0.001	9.922550201	0.028679773	3.591121674	0.001	0.001	5E-06	0.007334062	0.00106993	0.010308878	0.016826579	5E-06	14.54300308	1.83626E-05	0.000225477	0.000174997
2083 Mar	46.61582947	0.044175733	0.008296125	0.001	9.924444199	0.028679157	3.59175396	0.001	0.001	5E-06	0.00733396	0.001070053	0.010308635	0.01683053	5E-06	14.54605293	1.83627E-05	0.000225511	0.00017507
2083 Apr	46.61977768	0.044179127	0.008297346	0.001	9.925523758	0.028678805	3.592114449	0.001	0.001	5E-06	0.007333903	0.001070123	0.010308498	0.016832784	5E-06	14.54779148	1.83627E-05	0.00022553	0.000175112
2083 May	52.42260742	0.047501933	0.01023193	0.001	11.43806839	0.0275172	4.081760883	0.001	0.001	5E-06	0.007245703	0.001172174	0.010059731	0.020181544	5E-06	17.10143661	1.87492E-05	0.000255577	0.000238679
2083 Jun	63.05042648	0.050690878	0.014016598	0.001	14.07981682	0.024264473	4.908686638	0.001	0.001	5E-06	0.00707906	0.001357651	0.009523799	0.02638174	5E-06	21.77741814	1.99608E-05	0.000313801	0.00035967
2083 Jul	60.55545425	0.047028046	0.013331212	0.001	13.40461922	0.024504764	4.684482574	0.001	0.001	5E-06	0.007025754	0.001321727	0.009487922	0.025123864	5E-06	20.74808121	1.96167E-05	0.000300489	0.000336711
2083 Aug	57.7779808	0.043513477	0.012431409	0.001	12.82564735	0.026208617	4.519865513	0.001	0.001	5E-06	0.006797914	0.001296606	0.00939468	0.023898268	5E-06	19.72017097	1.80007E-05	0.00028035	0.000310541
2083 Sep	57.07992554	0.048702728	0.011778628	0.001	12.8145647	0.027885344	4.557756901	0.001	0.001	5E-06	0.006907099	0.001279168	0.009623808	0.023261886	5E-06	19.35167885	1.75729E-05	0.000273113	0.000293807
2083 Oct	56.21123123	0.057940371	0.010797105	0.001	12.84141541	0.030363493	4.642063618	0.001	0.001	5E-06	0.007137746	0.001254673	0.009917194	0.022384144	5E-06	18.85188484	1.72003E-05	0.000262526	0.000270088
2083 Nov	55.95978165	0.060614239	0.010512999	0.001	12.84918785	0.031080803	4.666466713	0.001	0.001	5E-06	0.007204507	0.001247583	0.010002116	0.02213008	5E-06	18.70722008	1.70925E-05	0.000259462	0.000263223
2083 Dec	55.95658493	0.060648266	0.010509383	0.001	12.84928608	0.03108993	4.667777134	0.001	0.001	5E-06	0.007205357	0.001247493	0.010003197	0.022126846	5E-06	18.70537758	1.70911E-05	0.000259423	0.000263136
2084 Jan	55.96641159	0.060666651	0.010511725	0.001	12.85221767	0.031091299	4.667827606	0.001	0.001	5E-06	0.007205451	0.001247656	0.01000314	0.022132037	5E-06	18.70956802	1.70911E-05	0.000259465	0.000263224
2084 Feb	55.98117447	0.060677916	0.010516408	0.001	12.85619164	0.031089444	4.669137955	0.001	0.001	5E-06	0.007205233	0.001247915	0.010002621	0.022140464	5E-06	18.71605873	1.70916E-05	0.000259539	0.000263381
2084 Mar	55.989151	0.060684003	0.010518938	0.001	12.85833836	0.03108844	4.669845581	0.001	0.001	5E-06	0.007205114	0.001248056	0.01000234	0.022145018	5E-06	18.71956635	1.70918E-05	0.000259579	0.000263465
2084 Apr	55.99359894	0.060687397	0.010520348	0.001	12.85953522	0.031087883	4.670240402	0.001	0.001	5E-06	0.007205049	0.001248134	0.010002184	0.022147557	5E-06	18.72152138	1.7092E-05	0.000259601	0.000263513
2084 May	62.28577042	0.062227432	0.012785118	0.001	14.40877056	0.029034745	5.148003578	0.001	0.001	5E-06	0.00710689	0.001356354	0.009714746	0.025796259	5E-06	21.48151207	1.78619E-05	0.00029486	0.000335086
2084 Jun	68.34145355	0.060065154	0.015265211	0.001	15.73859119	0.02564843	5.517570496	0.001	0.001	5E-06	0.007006759	0.001457735	0.009364199	0.02937139	5E-06	24.13082314	1.92314E-05	0.00033309	0.000409299
2084 Jul	66.30965424	0.056981765	0.014721882	0.001	15.17085743	0.025695395	5.324662685	0.001	0.001	5E-06	0.00697927	0.001426542	0.009353546	0.028320562	5E-06	23.27850723	1.90706E-05	0.000322949	0.000390503
2084 Aug	65.08935547	0.055760544	0.014298176	0.001	14.91520119	0.026447136	5.243643761	0.001	0.001	5E-06	0.006902041	0.001410568	0.009424277	0.027680555	5E-06	22.79347038	1.84168E-05	0.00031526	0.000377005
2084 Sep	63.8066597	0.057130504	0.013662723	0.001	14.70229816	0.02776194	5.187268734	0.001	0.001	5E-06	0.006899133	0.001386862	0.009657762	0.026823763	5E-06	22.22270393	1.77388E-05	0.000306825	0.000357646
2084 Oct	62.51689148	0.062742084	0.012784775	0.001	14.52977371	0.029508982	5.182477951	0.001	0.001	5E-06	0.007061378	0.001358802	0.009859672	0.025848417	5E-06	21.58191109	1.74612E-05	0.000295999	0.000334575
2084 Nov	62.07844543	0.064649701	0.012486323	0.001	14.4711256	0.030102873	5.180849552	0.001	0.001	5E-06	0.007116532	0.001349264	0.009928308	0.025516853	5E-06	21.36407852	1.73669E-05	0.000292319	0.000326732
2084 Dec	62.07289124	0.064673863	0.012482543	0.001	14.47038269	0.030110396	5.180828571	0.001	0.001	5E-06	0.00711723	0.001349143	0.009929178	0.025512654	5E-06	21.36131859	1.73657E-05	0.000292272	0.000326632
2085 Jan	62.07968903	0.06468872	0.012484013	0.001	14.47246933	0.030111872	5.181595325	0.001	0.001	5E-06	0.007117338	0.001349255	0.009929152	0.025516197	5E-06	21.3642025	1.73655E-05	0.000292299	0.000326691
2085 Feb	62.09145355	0.064697787	0.012487739	0.001	14.47563934	0.030110423	5.182643414	0.001	0.001	5E-06	0.007117163	0.001349463	0.009928718	0.025522929	5E-06	21.36937904	1.73659E-05	0.000292358	0.000326816
2085 Mar	62.09787369	0.064702734	0.012489773	0.001	14.47736835	0.030109631	5.183215618	0.001	0.001	5E-06	0.007117068	0.001349577	0.009928482	0.0255266	5E-06	21.37220383	1.73661E-05	0.00029239	0.000326884
2085 Apr	62.10152435	0.064705551	0.012490929	0.001	14.47835159	0.030109182	5.183540821	0.001	0.001	5E-06	0.007117014	0.001349641	0.009928347	0.025528688	5E-06	21.37380981	1.73662E-05	0.000292408	0.000326923
2085 May	66.36444855	0.065363072	0.01406015	0.001	15.51037693	0.028563082	5.499650478	0.001	0.001	5E-06	0.007049403	0.001423502	0.009702229	0.028025253	5E-06	23.24780655	1.79602E-05	0.000316513	0.000376342
2085 Jun	70.11888123	0.063818134	0.015618913	0.001	16.32508278	0.026376341	5.726517677	0.001	0.001	5E-06	0.006986286	0.001487383	0.009447436	0.030270593	5E-06	24.89680672	1.88527E-05	0.00034012	0.000423165
2085 Jul	68.56955719	0.061444633	0.01519203	0.001	15.91891193	0.026630741	5.594285488	0.001	0.001	5E-06	0.006932473	0.001467121	0.009404411	0.029521659	5E-06	24.27370262	1.85226E-05	0.000331301	0.000409247
2085 Aug	66.16042328	0.058945838	0.014371454	0.001	15.3955822	0.027959595	5.424796581	0.001	0.001	5E-06	0.006796889	0.001433964	0.009551778	0.028238919	5E-06	23.3036499	1.73599E-05	0.000316721	0.000382659
2085 Sep	63.81447601	0.062673219	0.013168889	0.001	14.98325539	0.03019472	5.325785637	0.001	0.001	5E-06	0.006876362	0.001388326	0.009921505	0.026644522	5E-06	22.22676659	1.651E-05	0.000301046	0.000347129
2085 Oct	62.57818604	0.067510717	0.012375804	0.001	14.7907095	0.03163211	5.307748318	0.001	0.001	5E-06	0.007033995	0.001361304	0.010089317	0.025727591	5E-06	21.61252594	1.63634E-05	0.000291236	0.000326049
2085 Nov	62.00102615	0.069769062	0.012005556	0.001	14.70081997	0.032303143	5.29932785	0.001	0.001	5E-06	0.007107585	0.001348689	0.01016766	0.025299525	5E-06	21.32576942	1.62949E-05	0.000286656	0.000316208
2085 Dec	61.99365616	0.069797903	0.012000827	0.001	14.69967175	0.032311711	5.299220562	0.001	0.001	5E-06	0.007108524	0.001348528	0.010168661	0.025294058	5E-06	21.32210732	1.6294E-05	0.000286597	0.000316082
2086 Jan	62.00203705	0.069814369	0.012002801	0.001	14.70215607	0.032312769	5.300120831	0.001	0.001	5E-06	0.007108659	0.001348666	0.010168547	0.025298487	5E-06	21.32566452	1.62943E-05	0.000286633	0.000316158
2086 Feb	62.01646042	0.069824584	0.012007451	0.001	14.70599842	0.032310605	5.301384449	0.001	0.001	5E-06	0.007108446	0.001348921	0.010167972	0.025306772	5E-06	21.33201218	1.62949E-05	0.000286705	0.000316313
2086 Mar	62.02432632	0.069830149	0.012009986	0.001	14.7080946	0.032309428	5.302073479	0.001	0.001	5E-06	0.00710833	0.00134906	0.01016766	0.025311289	5E-06	21.33547592	1.62953E-05	0.000286745	0.000316397
2086 Apr	62.02880478	0.069833316	0.012011429	0.001	14.70928764	0.032308757	5.302465439	0.001	0.001	5E-06	0.007108265	0.001349139	0.010167482	0.025313858	5E-06	21.33744431	1.62955E-05	0.000286768	0.000316445
2086 May	63.39123154	0.069793724	0.012534956	0.001	15.02703953	0.031708989	5.397452354	0.001	0.001	5E-06	0.00708714	0.001372708	0.010083768	0.026120137	5E-06	21.93658829	1.65369E-05	0.000294726	0.000332708
2086 Jun	64.81438446	0.058500864	0.014027018	0.001	14.85245228	0.026648182	5.223805904	0.001	0.001	5E-06	0.007052838	0.001391879	0.009665292	0.027230503	5E-06	22.55754471	1.88059E-05	0.00031544	0.000367772
2086 Jul	61.23566818	0.052579097	0.013130262	0.001	13.79833221	0.026273573	4.856225014	0.001	0.001	5E-06	0.007040862	0.001333372	0.009651418	0.025347196	5E-06	21.02958488	1.88566E-05	0.000299186	0.000335329
2086 Aug	59.62302017	0.050693277	0.012582713	0.001	13.47162724	0.027350476	4.756947517	0.001	0.001	5E-06	0.006910149	0.001315665	0.009693091	0.024563199	5E-06	20.41439819	1.78642E-05	0.000288229	0.000318474
2086 Sep	58.05971909	0.053309616	0.011707083	0.001	13.27576447	0.029504254	4.714116573	0.001	0.001	5E-06	0.006887096	0.00128643	0.010072938	0.023463039	5E-06	19.71886253	1.67007E-05	0.000277062	0.000292216
2086 Oct	57.70137024	0.056348719	0.011362711	0.001	13.26160622	0.030299876	4.735983372	0.001	0.001	5E-06	0.00696991	0.001277371	0.010153912	0.023141464	5E-06	19.52278519	1.66134E-05	0.000273105	0.000283887
2086 Nov	57.69108963	0.056435928	0.011352829	0.001	13.26119995	0.030322708	4.736610889	0.001	0.001	5E-06	0.006972286	0.001277111	0.010156236	0.023132237	5E-06	19.51715851	1.66109E-05	0.000272991	0.000283648
2086 Dec	57.688797	0.056455359	0.011350627	0.001	13.26110935	0.030327793	4.736750603	0.001	0.001	5E-06	0.006972816	0.001277054	0.010156753	0.023130182	5E-06	19.51590538	1.66103E-05	0.000272966	0.000283595
2087 Jan	57.69430161	0.05646712	0.011351852	0.001	13.26277161	0.030328766	4.737360954	0.001	0.001	5E-06	0.006972917	0.001277144	0.010156692	0.023133069	5E-06	19.51823807	1.66104E-05	0.000272988	0.000283644
2087 Feb	57.70279694	0.056474146	0.011354518	0.001	13.26506424	0.03032775	4.738123417	0.001	0.001	5E-06	0.006972812	0.001277294	0.010156372	0.023137916	5E-06	19.52196884	1.66107E-05	0.00027303	0.000283734
2087 Mar	57.70743561	0.056477983	0.011355975	0.001	13.26631546	0.030327197	4.738539696	0.001	0.001	5E-06	0.006972754	0.001277376	0.010156197	0.023140565	5E-06	19.52400398	1.66109E-05	0.000273053	0.000283783
2087 Apr	57.71007919	0.056480166	0.011356803	0.001	13.26702785	0.030326881	4.738777161	0.001	0.001	5E-06	0.006972721	0.001277422	0.010156098	0.023142071	5E-06	19.52516556	1.6611E-05	0.000273066	0.000283811
2087 May	60.47877121	0.057555016	0.012334581	0.001	13.95003128	0.029440746	4.954308987	0.001	0.001	5E-06	0.006947167	0.001325061	0.010009686	0.024747653	5E-06	20.73526955	1.70091E-05	0.000288251	0.000315238
2087 Jun	66.45722961	0.057196695	0.014686094	0.001	15.28384972	0.026301824	5.347104073	0.001	0.001	5E-06	0.006911367	0.001425502	0.009600494	0.02827099	5E-06	23.33607674	1.85073E-05	0.000324388	0.000387729
2087 Jul	64.1841507	0.053777698	0.014060581	0.001	14.68314362	0.02663612	5.152116776	0.001	0.001	5E-06	0.006840681	0.001395518	0.009530233	0.027170749	5E-06	22.41860962	1.80713E-05	0.000311489	0.000367385

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Aug	63.24394608	0.052627251	0.013758589	0.001	14.47547245	0.027118823	5.088979244	0.001	0.001	5E-06	0.006779947	0.001384964	0.009526009	0.026722359	5E-06	22.0555439	1.7619E-05	0.000305269	0.000358133
2087 Sep	62.68247986	0.054575577	0.013400684	0.001	14.39900684	0.02785936	5.081293106	0.001	0.001	5E-06	0.006827883	0.001373099	0.009629214	0.026305312	5E-06	21.78429222	1.74231E-05	0.000300858	0.000348317
2087 Oct	62.09103012	0.057528462	0.012972432	0.001	14.32768822	0.028733158	5.084286213	0.001	0.001	5E-06	0.006913124	0.001359687	0.00973223	0.025841137	5E-06	21.4843235	1.72996E-05	0.000295717	0.000337187
2087 Nov	61.83218384	0.058820792	0.012785008	0.001	14.29647446	0.029115578	5.085596085	0.001	0.001	5E-06	0.006950431	0.001353817	0.009777315	0.025637994	5E-06	21.3530407	1.72455E-05	0.000293466	0.000332317
2087 Dec	61.82717896	0.05884577	0.012781385	0.001	14.29587173	0.029122969	5.08562088	0.001	0.001	5E-06	0.006951151	0.001353703	0.009778187	0.025634067	5E-06	21.35050201	1.72445E-05	0.000293423	0.000332222
2088 Jan	61.83359909	0.05886114	0.012782685	0.001	14.29786682	0.029124597	5.086361408	0.001	0.001	5E-06	0.006951294	0.001353807	0.009778201	0.025637349	5E-06	21.35320282	1.72444E-05	0.000293448	0.000332276
2088 Feb	61.84469986	0.058870457	0.01278615	0.001	14.3008728	0.029123368	5.087360859	0.001	0.001	5E-06	0.006951152	0.001354002	0.009777813	0.025643665	5E-06	21.35807228	1.72448E-05	0.000293503	0.000332393
2088 Mar	61.85071945	0.058875512	0.01278803	0.001	14.30250263	0.029122701	5.087902546	0.001	0.001	5E-06	0.006951076	0.001354108	0.009777602	0.025647091	5E-06	21.36071587	1.7245E-05	0.000293533	0.000332456
2088 Apr	61.8589859	0.058882453	0.01279061	0.001	14.30473995	0.029121786	5.088646412	0.001	0.001	5E-06	0.00695097	0.001354253	0.009777314	0.025651792	5E-06	21.36434174	1.72453E-05	0.000293574	0.000332543
2088 May	62.17300415	0.059118047	0.012891111	0.001	14.38833046	0.029074524	5.116144657	0.001	0.001	5E-06	0.006947134	0.001359735	0.009765624	0.025830878	5E-06	21.50199127	1.72621E-05	0.00029516	0.000335896
2088 Jun	55.6587677	0.045469053	0.011574809	0.001	12.20496845	0.026149822	4.305947781	0.001	0.001	5E-06	0.007080549	0.001236058	0.009783848	0.022248726	5E-06	18.59717941	1.89041E-05	0.000273735	0.000280205
2088 Jul	53.29886627	0.041284733	0.011022181	0.001	11.46991634	0.025567953	4.042413712	0.001	0.001	5E-06	0.007104306	0.001194184	0.00979144	0.020969225	5E-06	17.56496811	1.91969E-05	0.000264324	0.000259021
2088 Aug	53.02996826	0.041124407	0.010905394	0.001	11.43741131	0.025934145	4.034091949	0.001	0.001	5E-06	0.007066792	0.001191689	0.009825508	0.020830914	5E-06	17.46790695	1.88859E-05	0.000262165	0.000255538
2088 Sep	52.88391113	0.042278469	0.010746311	0.001	11.45860672	0.026482876	4.050020695	0.001	0.001	5E-06	0.007067998	0.001188687	0.009903671	0.020692755	5E-06	17.39879417	1.86241E-05	0.000260328	0.000251387
2088 Oct	52.67723465	0.050326195	0.010087756	0.001	11.63525772	0.028605027	4.174937248	0.001	0.001	5E-06	0.007232113	0.001179669	0.01010381	0.020292468	5E-06	17.22702599	1.82088E-05	0.000253414	0.000237476
2088 Nov	52.62229919	0.052465118	0.009912726	0.001	11.68220806	0.029169053	4.208137512	0.001	0.001	5E-06	0.007275731	0.001177273	0.010157002	0.02018608	5E-06	17.18137169	1.80984E-05	0.000251577	0.000233778
2088 Dec	52.62155914	0.052493989	0.009910363	0.001	11.68284225	0.029176667	4.208585739	0.001	0.001	5E-06	0.00727632	0.00117724	0.01015772	0.020184644	5E-06	17.18075562	1.80969E-05	0.000251552	0.000233728
2089 Jan	52.6306076	0.052511506	0.009912459	0.001	11.68558884	0.029178333	4.209580898	0.001	0.001	5E-06	0.007276381	0.001177394	0.010157635	0.020189466	5E-06	17.18463898	1.80966E-05	0.000251589	0.000233809
2089 Feb	52.64318466	0.052521877	0.009916387	0.001	11.68900967	0.029177072	4.210719585	0.001	0.001	5E-06	0.007276192	0.001177617	0.010157187	0.02019665	5E-06	17.19017792	1.80968E-05	0.00025165	0.000233942
2089 Mar	52.65003204	0.052527521	0.009918524	0.001	11.69087315	0.029176386	4.211338997	0.001	0.001	5E-06	0.007276089	0.001177738	0.010156943	0.020200562	5E-06	17.19319153	1.8097E-05	0.000251684	0.000234014
2089 Apr	52.65486908	0.052531511	0.009920035	0.001	11.69218922	0.0291759	4.21177721	0.001	0.001	5E-06	0.007276016	0.001177824	0.010156771	0.020203328	5E-06	17.19532394	1.80971E-05	0.000251708	0.000234065
2089 May	57.02733994	0.054470781	0.01142261	0.001	12.80962086	0.028104339	4.568011761	0.001	0.001	5E-06	0.007205619	0.001254541	0.009957031	0.022739578	5E-06	19.12048721	1.84649E-05	0.000274932	0.000282788
2089 Jun	64.6580658	0.05603122	0.014195498	0.001	14.68063068	0.025540646	5.146296978	0.001	0.001	5E-06	0.00707764	0.00138759	0.009560054	0.027207881	5E-06	22.48036385	1.94103E-05	0.000317449	0.000370652
2089 Jul	62.68405151	0.052972168	0.01364455	0.001	14.17996979	0.026002148	4.986871243	0.001	0.001	5E-06	0.006987413	0.001363974	0.009484973	0.026286172	5E-06	21.70348549	1.88552E-05	0.000305552	0.000353172
2089 Aug	61.13518906	0.050804269	0.013166772	0.001	13.83701897	0.026781932	4.884845257	0.001	0.001	5E-06	0.006872436	0.001348805	0.009431855	0.025594048	5E-06	21.12162781	1.80737E-05	0.000294892	0.000338893
2089 Sep	60.46203995	0.053833276	0.012684188	0.001	13.7680254	0.027872963	4.88795805	0.001	0.001	5E-06	0.006940616	0.001333929	0.009583838	0.02506368	5E-06	20.78907394	1.77797E-05	0.000289153	0.000325935
2089 Oct	59.10076141	0.062345926	0.011569197	0.001	13.65658379	0.030358128	4.924530029	0.001	0.001	5E-06	0.007166886	0.001301437	0.009883642	0.023922645	5E-06	20.07965851	1.73764E-05	0.000276216	0.000297504
2089 Nov	58.9244957	0.063448183	0.011424824	0.001	13.64215374	0.030679919	4.929265499	0.001	0.001	5E-06	0.007196184	0.00129723	0.009922463	0.0237749	5E-06	19.9878006	1.73242E-05	0.000274541	0.000293823
2089 Dec	58.92097092	0.063470222	0.011421937	0.001	13.64186478	0.030686354	4.929359913	0.001	0.001	5E-06	0.00719677	0.001297145	0.009923238	0.023771945	5E-06	19.98596382	1.73231E-05	0.000274508	0.000293749
2090 Jan	58.92782974	0.063483812	0.011423513	0.001	13.64393616	0.03068753	4.930107594	0.001	0.001	5E-06	0.007196846	0.001297259	0.009923217	0.023775544	5E-06	19.98888588	1.7323E-05	0.000274537	0.00029381
2090 Feb	58.93873215	0.06349206	0.011426974	0.001	13.64686966	0.030686166	4.931075096	0.001	0.001	5E-06	0.007196681	0.001297451	0.009922831	0.023781771	5E-06	19.99367905	1.73234E-05	0.000274591	0.000293926
2090 Mar	58.94467163	0.063496552	0.011428861	0.001	13.64846992	0.030685419	4.931602478	0.001	0.001	5E-06	0.007196591	0.001297556	0.00992262	0.023785166	5E-06	19.99629211	1.73235E-05	0.000274621	0.000293989
2090 Apr	58.94805908	0.063499115	0.011429937	0.001	13.64938164	0.030684995	4.931903362	0.001	0.001	5E-06	0.007196539	0.001297615	0.0099225	0.023787104	5E-06	19.99778366	1.73237E-05	0.000274638	0.000294025
2090 May	59.62406158	0.063619614	0.011676558	0.001	13.81448841	0.030452399	4.982431889	0.001	0.001	5E-06	0.007185176	0.001309271	0.009890426	0.024180697	5E-06	20.29473305	1.74091E-05	0.000278458	0.000301781
2090 Jun	63.3699379	0.055934243	0.013726334	0.001	14.36879539	0.026004067	5.059844017	0.001	0.001	5E-06	0.007099085	0.001368371	0.009539469	0.02651839	5E-06	21.9312706	1.92551E-05	0.000309195	0.000356987
2090 Jul	60.65792084	0.051463522	0.013040934	0.001	13.57542419	0.025766471	4.78270483	0.001	0.001	5E-06	0.007085255	0.001324004	0.009540722	0.025086286	5E-06	20.77413368	1.92533E-05	0.000296853	0.000332176
2090 Aug	57.81945801	0.049376294	0.011927037	0.001	13.08216381	0.028382145	4.625535488	0.001	0.001	5E-06	0.006838645	0.001286083	0.0099053	0.023502605	5E-06	19.65382004	1.70623E-05	0.000278223	0.000296488
2090 Sep	56.57704544	0.055862844	0.010957065	0.001	12.99798393	0.030773558	4.65250349	0.001	0.001	5E-06	0.006963138	0.001258596	0.010230854	0.022490403	5E-06	19.03825378	1.63359E-05	0.000266767	0.000270831
2090 Oct	55.54082108	0.066540241	0.009834022	0.001	12.99836349	0.033455566	4.744407654	0.001	0.001	5E-06	0.007252872	0.001230582	0.010498394	0.021493042	5E-06	18.44662285	1.60841E-05	0.00025418	0.000244281
2090 Nov	55.29207611	0.069103315	0.00956444	0.001	12.99845505	0.03409937	4.766469002	0.001	0.001	5E-06	0.007322421	0.001223858	0.010562617	0.021253629	5E-06	18.30460358	1.60236E-05	0.000251158	0.000237908
2090 Dec	55.28856277	0.06913954	0.009560629	0.001	12.99456	0.034108475	4.766780853	0.001	0.001	5E-06	0.007323404	0.001223763	0.010563525	0.021250244	5E-06	18.30259514	1.60227E-05	0.000251116	0.000237818
2091 Jan	55.29897308	0.069155879	0.009563364	0.001	13.00144863	0.034108914	4.767837524	0.001	0.001	5E-06	0.007323465	0.001223939	0.010563283	0.021255912	5E-06	18.30707359	1.6023E-05	0.000251162	0.000237917
2091 Feb	55.31416702	0.069165938	0.009568309	0.001	13.00548172	0.034106504	4.76915884	0.001	0.001	5E-06	0.007323221	0.001224208	0.010562657	0.02126467	5E-06	18.31377029	1.60237E-05	0.000251239	0.000238082
2091 Mar	55.32247925	0.069171436	0.009571015	0.001	13.00768852	0.034105182	4.769882202	0.001	0.001	5E-06	0.007323088	0.001224356	0.010562315	0.021269461	5E-06	18.31743622	1.60241E-05	0.000251281	0.000238172
2091 Apr	55.32721329	0.069174573	0.009572556	0.001	13.00894451	0.034104433	4.770293713	0.001	0.001	5E-06	0.007323012	0.00122444	0.010562119	0.02127219	5E-06	18.31952286	1.60243E-05	0.000251305	0.000238223
2091 May	57.67511368	0.06916371	0.010465563	0.001	13.56582069	0.033148877	4.938375473	0.001	0.001	5E-06	0.007279098	0.001265651	0.010419001	0.022666804	5E-06	19.35683441	1.63783E-05	0.00026477	0.000266129
2091 Jun	65.75493622	0.064273991	0.013938027	0.001	15.27644157	0.02805303	5.404788971	0.001	0.001	5E-06	0.007108375	0.00140619	0.009782707	0.027594043	5E-06	22.93345642	1.83686E-05	0.000316106	0.000369908
2091 Jul	64.34486389	0.061746147	0.013599404	0.001	14.85481358	0.027849205	5.256330013	0.001	0.001	5E-06	0.007100658	0.001383247	0.009771458	0.026858917	5E-06	22.33305931	1.84044E-05	0.000309848	0.000357425
2091 Aug	62.15501404	0.059319291	0.012835754	0.001	14.4074564	0.029292522	5.10795784	0.001	0.001	5E-06	0.006940447	0.001353494	0.009965721	0.025678271	5E-06	21.46144104	1.70974E-05	0.000296511	0.000332326
2091 Sep	60.38689804	0.059706602	0.012042825	0.001	14.10205364	0.030977361	5.013194084	0.001	0.001	5E-06	0.006874671	0.001322586	0.010298023	0.024541063	5E-06	20.70058823	1.5998E-05	0.000285628	0.000306923
2091 Oct	59.44836426	0.065030731	0.011332568	0.001	13.99091339	0.032391518	5.025981903	0.001	0.001	5E-06	0.007038583	0.001301147	0.010434368	0.023800729	5E-06	20.21645546	1.58973E-05	0.000276993	0.000289081
2091 Nov	58.74165726	0.06903974	0.010797752	0.001	13.90722561	0.033456367	5.035611153	0.001	0.001	5E-06	0.007162007	0.001285004	0.010537034	0.023243265	5E-06	19.85191154	1.58216E-05	0.000270491	0.000275646
2091 Dec	58.7080574	0.069230363	0.010772321	0.001	13.90324688	0.033507001	5.036068916	0.001	0.001	5E-06	0.007167875	0.001284236	0.010541916	0.023216758	5E-06	19.83457756	1.5818E-05	0.000270181	0.000275007
2092 Jan	58.71888351	0.069249325	0.010775049	0.001	13.90638733	0.033507731	5.03719759	0.001	0.001	5E-06	0.007168004	0.001284419	0.01054164	0.023222616	5E-06	19.83921051	1.58184E-05	0.000270228	0.000275109
2092 Feb	58.73606873	0.069261141	0.010780623	0.001	13.91094971	0.033505019	5.03869772	0.001	0.001	5E-06	0.007167749	0.001284724	0.010540908	0.023232521	5E-06	19.84678268	1.58192E-05	0.000270315	0.000275295
2092 Mar	58.74539566	0.069267549	0.010783648	0.001	13.91342545	0.033503544	5.039511681	0.001	0.001	5E-06	0.007167611	0.001284889	0.010540511	0.023237897	5E-06	19.85089111	1.58197E-05	0.000270361	0.000275396
2092 Apr	58.75059128	0.069271125	0.010785335	0.001	13.91480541	0.03350272	5.03996563	0.001	0.001	5E-06	0.007167534	0.001284981	0.01054029	0.023240894	5E-06	19.85318184	1.58199E-05	0.000270388	0.000275452
2092 May	61.39767075	0.06924922	0.011799713	0.001	14.53467751	0.032358266	5.227377415	0.001	0.001	5E-06	0.007125774	0.001331405	0.010363095	0.024818709	5E-06	21.02087593	1.62801E-05	0.000285616	0.000307208
2092 Jun	67.07221222	0.059853751	0.014765483	0.001	15.44274616	0.026217863	5.407331467	0.001	0.001	5E-06	0.007023588	0.001428343	0.00965612	0.028464442	5E-06	23.53156662	1.89459E-05	0.000328006	0.000391099
2092 Jul	62.85254669	0.053183153	0.013688457	0.001	14.20418644	0.025818868	4.977324009	0.001	0.001	5E-06	0.007020652	0.00135876	0.009647839	0.026228463	5E-06	21.72360229	1.90246E-05	0.000308745	0.000352412
2092 Aug	62.16213226	0.052641336	0.013428093	0.001	14.07430553	0.02637117	4.93636322	0.001	0.001	5E-06	0.006969177	0.001349544	0.009716567	0.025851203	5E-06	21.44946098	1.85639E-05	0.000304273	0.00034412
2092 Sep	61.29382706	0.053813901	0.012970716	0.001	13.94984913	0.027429769	4.907203674	0.001	0.001	5E-06	0.006958122	0.001334025	0.009889703	0.025267079	5E-06	21.06744385	1.79938E-05	0.000298146	0.000330456
2092 Oct	60.7635498	0.056860879	0.012556877	0.001	13.90053272	0.028342014	4.919290543	0.001	0.001	5E-06	0.007038177	0.001322393	0.009981098	0.024848238	5E-06	20.79915047	1.78383E-05	0.00029305	0.000320048
2092 Nov	60.61840057	0.057694897	0.012443601	0.001	13.88703346	0.028591715	4.922598839	0.001	0.001	5E-06	0.007060089	0.00131921	0.010006114	0.024733592	5E-06	20.72571373	1.77958E-05	0.000291655	0.000317199
2092 Dec	60.614151	0.057719328	0.012440283	0.001	13.88663769	0.028599028	4.922696114	0.001	0.001	5E-06	0.007060731	0.001319116	0.010006848	0.024730233	5E-06	20.72356224	1.77945E-05	0.000291615	0.000317116
2093 Jan	60.62054825	0.057734199	0.012441603	0.001	13.88863468	0.028600702	4.923439503	0.001	0.001	5E-06	0.007060839	0.001319224	0.010006805	0.024733577	5E-06	20.72628403	1.77943E-05	0.000291639	0.00031717
2093 Feb	60.6311264	0.057743091	0.0124449	0.001	13.89150906	0.028599612	4.924398422	0.001	0.001	5E-06	0.007060693	0.001319411	0.010006411	0.024739621	5E-06	20.73093605	1.77946E-05	0.000291691	0.000317282
2093 Mar	60.63690186	0.057747949	0.012446701	0.001	13.89307785	0.028599018	4.924921989	0.001	0.001	5E-06	0.007060613	0.001319513	0.010006196	0.024742922	5E-06	20.73347664	1.77947E-05	0.000291719	0.000317343
2093 Apr	60.64019394	0.057750717	0.012447728	0.001	13.89397335	0.028598679	4.92522049	0.001	0.001	5E-06	0.007060566	0.001319572	0.010006074	0.024744805	5E-06	20.73492622	1.77948E-05	0.000291735	0.000317378
2093 May	62.83407593	0.058592618	0.013218296	0.001	14.44235325	0.02795569	5.09912498	0.001	0.001	5E-06	0.007031726	0.001357939	0.009889696	0.026024256	5E-06	21.6991024	1.80532E-05	0.000303573	0.000342257
2093 Jun	67.90330505	0.056757934	0.015325209	0.001	15.52936077	0.024896758	5.406797886	0.001	0.001	5E-06	0.006971229	0.001444701	0.009489464	0.029077297	5E-06	23.92284966	1.9406E-05	0.000335143	0.000406177
2093 Jul	65.60409546	0.053458761	0.014692952	0.001	14.9017477	0.025075259	5.19808197	0.001	0.001	5E-06	0.006932163	0.001410885	0.009459423	0.027907684	5E-06	22.96801376	1.91433E-05	0.000323038	0.000384931
2093 Aug	64.41415405	0.052177239	0.014293772	0.001	14.64722824	0.025759881	5.120963097	0.001	0.001	5E-06	0.006855783	0.001396994	0.009476767	0.027322797	5E-06	22.50502586	1.85347E-05	0.000315148	0.00037267
2093 Sep	63.47384262	0.055152602	0.01371108	0.001	14.51780319	0.026982453	5.106380463	0.001	0.001	5E-06	0.006922626	0.001377996	0.009639302	0.026643159	5E-06	22.05907631	1.81689E-05	0.000307748	0.000356659
2093 Oct	61.43297577	0.064596266	0.012276586	0.001	14.26785946	0.029949486	5.111917019	0.001	0.001	5E-06	0.007182379	0.001333864	0.009970413	0.025088109	5E-06	21.04483223	1.76471E-05	0.000290005	0.000319334
2093 Nov	60.5893364	0.068500012	0.011683607	0.001	14.16454029	0.031175977	5.114205837	0.001	0.001	5E-06	0.007289754	0.001315621	0.010107284	0.024445295	5E-06	20.6255722	1.74313E-05	0.00028267	0.000303905
2093 Dec	60.58073044	0.068539836	0.011677558	0.001	14.16348553	0.031188486	5.114228725	0.001	0.001	5E-06	0.007290849	0.001315435	0.010108681	0.024438737	5E-06	20.62129593	1.74291E-05	0.000282595	0.000303747
2094 Jan	60.58966446	0.068556868	0.011679659	0.001	14.16617489	0.031189932	5.11520052	0.001	0.001	5E-06	0.007290923	0.001315586	0.010108586	0.024443498	5E-06	20.62512398	1.7429E-05	0.000282632	0.000303828
2094 Feb	60.60445404	0.06856738	0.011684402	0.001	14.17014313	0.031187952	5.116506577	0.001	0.001	5E-06	0.007290676	0.001315848	0.010108018	0.024451997	5E-06	20.63164711	1.74294E-05	0.000282706	0.000303986
2094 Mar	60.61251068	0.068573117	0.011686988	0.001	14.17230415	0.031186875	5.117218018	0.001	0.001	5E-06	0.007290542	0.001315992	0.010107709	0.02445663	5E-06	20.6352005	1.74297E-05	0.000282747	0.000304073
2094 Apr	60.61710739	0.068576381	0.011688462	0.001	14.17353821	0.03118626	5.117624283	0.001	0.001	5E-06	0.007290466	0.001316073	0.010107533	0.024459273	5E-06	20.63722801	1.74298E-05	0.000282769	0.000304122
2094 May	64.1394577	0.06862814	0.01301576	0.001	15.01974392	0.029844249	5.373527527	0.001	0.001	5E-06	0.007216616	0.001378044	0.009908655	0.026546119	5E-06	22.19574547	1.78881E-05	0.000302836	0.000345626
2094 Jun	69.37069702	0.065855108	0.015216428	0.001	16.16159058	0.026839444	5.689439297	0.001	0.001	5E-06	0.007089213	0.001469425	0.009539256	0.029717859	5E-06	24.51627922	1.89754E-05	0.000335524	0.000411623

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Jul	67.83209991	0.063340478	0.014813429	0.001	15.73584747	0.026904859	5.545590878	0.001	0.001	5E-06	0.007053798	0.001447192	0.009513122	0.028947474	5E-06	23.88211632	1.87922E-05	0.000327577	0.00039781
2094 Aug	67.13215637	0.062408995	0.014593583	0.001	15.57764435	0.027233606	5.495456696	0.001	0.001	5E-06	0.007009356	0.001438798	0.009520714	0.028605187	5E-06	23.60878754	1.84696E-05	0.000323174	0.000390846
2094 Sep	65.89422607	0.065408021	0.013901633	0.001	15.37128448	0.028524771	5.457659721	0.001	0.001	5E-06	0.007089675	0.001414299	0.009693713	0.027748039	5E-06	23.02809334	1.81123E-05	0.00031415	0.000371428
2094 Oct	64.2878952	0.070514441	0.012936384	0.001	15.11415482	0.030311262	5.423214436	0.001	0.001	5E-06	0.007242604	0.001381302	0.009905843	0.026604263	5E-06	22.25515556	1.77749E-05	0.000301773	0.000345249
2094 Nov	62.74542236	0.075417869	0.012009507	0.001	14.86724663	0.032026734	5.390138149	0.001	0.001	5E-06	0.007389453	0.001349617	0.01010954	0.025505954	5E-06	21.51294708	1.74508E-05	0.000289887	0.00032011
2094 Dec	62.65248489	0.075713307	0.01195366	0.001	14.85236931	0.032130096	5.388145447	0.001	0.001	5E-06	0.007398301	0.001347709	0.010121814	0.025439778	5E-06	21.46822739	1.74313E-05	0.000289171	0.000318595
2095 Jan	62.66240692	0.07573083	0.011956086	0.001	14.8553257	0.032131437	5.389203072	0.001	0.001	5E-06	0.007398343	0.001347877	0.010121692	0.025445111	5E-06	21.47249794	1.7431E-05	0.000289213	0.000318687
2095 Feb	62.67978287	0.075741962	0.011961741	0.001	14.8599596	0.032128848	5.390717506	0.001	0.001	5E-06	0.007398024	0.001348187	0.010121006	0.025455136	5E-06	21.48017311	1.74316E-05	0.0002893	0.000318874
2095 Mar	62.6892662	0.075748041	0.011964829	0.001	14.86248779	0.03212744	5.391544819	0.001	0.001	5E-06	0.00739785	0.001348355	0.01012063	0.02546061	5E-06	21.48436356	1.74319E-05	0.000289348	0.000318977
2095 Apr	62.69466019	0.075751498	0.011966585	0.001	14.86392784	0.032126639	5.392015457	0.001	0.001	5E-06	0.00739775	0.001348451	0.010120418	0.025463723	5E-06	21.48674774	1.74321E-05	0.000289375	0.000319035
2095 May	66.15595245	0.074896105	0.013334901	0.001	15.67120457	0.030588217	5.627824306	0.001	0.001	5E-06	0.007306045	0.001409878	0.009908474	0.027543118	5E-06	23.02709579	1.79164E-05	0.000309757	0.000361033
2095 Jun	70.05409241	0.071861729	0.015038625	0.001	16.50236702	0.02816616	5.848903656	0.001	0.001	5E-06	0.007183835	0.001478911	0.009619132	0.02994014	5E-06	24.76925468	1.87147E-05	0.000334695	0.000411421
2095 Jul	68.70002747	0.069487728	0.014682448	0.001	16.1472702	0.028380701	5.732424736	0.001	0.001	5E-06	0.007121191	0.001462336	0.009567639	0.029308829	5E-06	24.23496056	1.8377E-05	0.000326905	0.000399745
2095 Aug	66.09158325	0.065847345	0.013868376	0.001	15.55206776	0.029560085	5.53610611	0.001	0.001	5E-06	0.006956229	0.001428644	0.009657774	0.027987104	5E-06	23.20288086	1.71847E-05	0.000311339	0.00037303
2095 Sep	64.56913757	0.06530647	0.01325904	0.001	15.25060654	0.030673102	5.434129238	0.001	0.001	5E-06	0.006897445	0.001401854	0.009913445	0.027033214	5E-06	22.54901505	1.63884E-05	0.000302859	0.000352629
2095 Oct	64.1663208	0.066715822	0.013012399	0.001	15.18339634	0.031100949	5.425345898	0.001	0.001	5E-06	0.006945303	0.001393139	0.009965304	0.02673956	5E-06	22.35045433	1.6347E-05	0.000299787	0.000345981
2095 Nov	63.31241226	0.06970346	0.012489552	0.001	15.0409193	0.032007925	5.406725883	0.001	0.001	5E-06	0.007046754	0.001374662	0.010075239	0.026117058	5E-06	21.9295311	1.62591E-05	0.000293276	0.000331887
2095 Dec	63.19208527	0.070124447	0.012415877	0.001	15.02084255	0.032135732	5.404102325	0.001	0.001	5E-06	0.00706105	0.001372059	0.01009073	0.026029341	5E-06	21.87021828	1.62467E-05	0.000292358	0.000329901
2096 Jan	63.20305252	0.070146859	0.012418401	0.001	15.02410698	0.032137245	5.40528965	0.001	0.001	5E-06	0.007061255	0.001372238	0.010090607	0.026035091	5E-06	21.87485695	1.6247E-05	0.000292404	0.000329999
2096 Feb	63.22270584	0.070160903	0.012424732	0.001	15.02934361	0.032134298	5.407011509	0.001	0.001	5E-06	0.007060973	0.001372585	0.010089833	0.026046369	5E-06	21.88350296	1.62479E-05	0.000292503	0.00033021
2096 Mar	63.23337555	0.07016851	0.012428166	0.001	15.0321846	0.032132704	5.407945633	0.001	0.001	5E-06	0.00706082	0.001372773	0.010089413	0.026052486	5E-06	21.88819313	1.62484E-05	0.000292557	0.000330325
2096 Apr	63.2393074	0.070172757	0.012430076	0.001	15.03376484	0.03213181	5.408465385	0.001	0.001	5E-06	0.007060735	0.001372877	0.01008918	0.026055891	5E-06	21.89080238	1.62487E-05	0.000292587	0.000330388
2096 May	65.07093048	0.070093773	0.013137088	0.001	15.45805454	0.031301085	5.534682274	0.001	0.001	5E-06	0.007034304	0.001404372	0.009976901	0.02713808	5E-06	22.69483948	1.65911E-05	0.000303371	0.000352286
2096 Jun	62.86907196	0.054622423	0.013602573	0.001	14.23424625	0.026057746	4.999002934	0.001	0.001	5E-06	0.007064158	0.001357627	0.009661588	0.026190329	5E-06	21.710783	1.90697E-05	0.000307996	0.000350922
2096 Jul	60.01461792	0.049958799	0.012886588	0.001	13.38827705	0.025717892	4.70305872	0.001	0.001	5E-06	0.007063895	0.001310053	0.009660204	0.024673432	5E-06	20.48486137	1.91596E-05	0.000295261	0.000324868
2096 Aug	59.51198578	0.049627263	0.012685537	0.001	13.30357933	0.026203796	4.676571846	0.001	0.001	5E-06	0.00701921	0.001303437	0.009725771	0.024393026	5E-06	20.2871666	1.87576E-05	0.000291894	0.000318484
2096 Sep	58.55443192	0.054128144	0.01196971	0.001	13.23347187	0.027992129	4.693871975	0.001	0.001	5E-06	0.00709473	0.001283825	0.009950942	0.02364902	5E-06	19.82691765	1.81551E-05	0.000283033	0.00029959
2096 Oct	57.28586197	0.064035788	0.010786718	0.001	13.19384384	0.030878931	4.769594669	0.001	0.001	5E-06	0.007333251	0.001254321	0.010239329	0.022554407	5E-06	19.16038895	1.76195E-05	0.00026894	0.000270805
2096 Nov	57.01091385	0.066183135	0.010530322	0.001	13.18525505	0.031504605	4.786066451	0.001	0.001	5E-06	0.007384947	0.001247926	0.010301833	0.022317166	5E-06	19.01592827	1.75035E-05	0.000265885	0.000264566
2096 Dec	57.00779343	0.066207506	0.010527412	0.001	13.18515778	0.031511705	4.786192894	0.001	0.001	5E-06	0.007385533	0.001247854	0.010302543	0.022314472	5E-06	19.01428986	1.75022E-05	0.000265851	0.000264495
2097 Jan	57.0164032	0.066222645	0.010529524	0.001	13.18772125	0.031512845	4.787111759	0.001	0.001	5E-06	0.007385569	0.001248001	0.010302407	0.022319121	5E-06	19.01799965	1.7502E-05	0.000265887	0.000264575
2097 Feb	57.02944946	0.066231884	0.010533709	0.001	13.1912241	0.03151112	4.788266182	0.001	0.001	5E-06	0.007385346	0.001248233	0.010301897	0.022326631	5E-06	19.02375793	1.75024E-05	0.000265952	0.000264715
2097 Mar	57.03657532	0.066236936	0.010535995	0.001	13.19313812	0.031510182	4.788896084	0.001	0.001	5E-06	0.007385225	0.00124836	0.010301619	0.022330733	5E-06	19.02690125	1.75026E-05	0.000265987	0.000264791
2097 Apr	57.04063416	0.066239819	0.010537299	0.001	13.19422817	0.031509645	4.789255619	0.001	0.001	5E-06	0.007385156	0.001248432	0.010301461	0.022333071	5E-06	19.02869606	1.75027E-05	0.000266008	0.000264835
2097 May	59.12935638	0.066415675	0.011311886	0.001	13.70364952	0.030779861	4.945357323	0.001	0.001	5E-06	0.007340116	0.00128548	0.010184044	0.023571005	5E-06	19.95453453	1.77403E-05	0.000277677	0.000289265
2097 Jun	64.59242249	0.063064165	0.013643195	0.001	14.88560581	0.027544376	5.269827843	0.001	0.001	5E-06	0.0071947	0.001381985	0.009772011	0.026913259	5E-06	22.38750267	1.88811E-05	0.000311911	0.000359063
2097 Jul	63.06584167	0.060317274	0.013257465	0.001	14.46463966	0.027615009	5.127783775	0.001	0.001	5E-06	0.007144313	0.001361309	0.009726213	0.026176196	5E-06	21.76981735	1.86467E-05	0.000303827	0.000345886
2097 Aug	62.02181244	0.058844011	0.012925627	0.001	14.23975849	0.028196039	5.056600094	0.001	0.001	5E-06	0.007061632	0.001349596	0.009744772	0.025673594	5E-06	21.37026024	1.8065E-05	0.000297055	0.000335405
2097 Sep	61.57782745	0.059508231	0.012690619	0.001	14.17315388	0.028713934	5.040999889	0.001	0.001	5E-06	0.007062508	0.001341344	0.00983172	0.025370749	5E-06	21.1716423	1.78076E-05	0.000293971	0.000328399
2097 Oct	60.89826965	0.062938698	0.01219276	0.001	14.09720802	0.029768225	5.047409058	0.001	0.001	5E-06	0.007155566	0.001326367	0.009949428	0.02484181	5E-06	20.83037758	1.76258E-05	0.000287888	0.000315555
2097 Nov	60.55271149	0.064683132	0.011939593	0.001	14.05858898	0.030304344	5.050667763	0.001	0.001	5E-06	0.007202887	0.001318752	0.010009284	0.024572836	5E-06	20.65684128	1.75334E-05	0.000284794	0.000309024
2097 Dec	60.49839401	0.064957336	0.011899798	0.001	14.05251884	0.030388618	5.051179886	0.001	0.001	5E-06	0.007210325	0.001317555	0.010018692	0.024530558	5E-06	20.62956238	1.75189E-05	0.000284308	0.000307998
2098 Jan	60.51137161	0.064983651	0.01190274	0.001	14.0564642	0.030391075	5.052615643	0.001	0.001	5E-06	0.007210467	0.001317772	0.010018597	0.024537411	5E-06	20.63510323	1.75186E-05	0.000284361	0.000308113
2098 Feb	60.53271103	0.064999714	0.011909521	0.001	14.06221294	0.030388426	5.054514408	0.001	0.001	5E-06	0.007210133	0.00131815	0.010017802	0.024549639	5E-06	20.64450455	1.75192E-05	0.000284467	0.00030834
2098 Mar	60.5443573	0.065008484	0.011913223	0.001	14.06534958	0.030386981	5.055551052	0.001	0.001	5E-06	0.007209951	0.001318356	0.010017367	0.024556315	5E-06	20.64963341	1.75196E-05	0.000284525	0.000308464
2098 Apr	60.88631821	0.065265976	0.012021901	0.001	14.15746403	0.030344522	5.085981369	0.001	0.001	5E-06	0.007204596	0.001324413	0.010004625	0.024752293	5E-06	20.80026627	1.75297E-05	0.000286223	0.000312108
2098 May	66.68229675	0.06667757	0.014105278	0.001	15.59408855	0.02853043	5.532819271	0.001	0.001	5E-06	0.007101782	0.001425924	0.009712114	0.028143808	5E-06	23.35554123	1.81661E-05	0.000318151	0.000378418
2098 Jun	72.16480255	0.062768564	0.016504694	0.001	16.73164368	0.024870554	5.833055496	0.001	0.001	5E-06	0.006983112	0.00151992	0.009299491	0.031475961	5E-06	25.77649498	1.95931E-05	0.000353934	0.000449209
2098 Jul	70.44103241	0.060291234	0.016037799	0.001	16.24634933	0.024883814	5.667736053	0.001	0.001	5E-06	0.006971391	0.00149245	0.009301778	0.030566538	5E-06	25.04499817	1.95075E-05	0.000345519	0.000432981
2098 Aug	68.07160187	0.058419336	0.015177815	0.001	15.75350571	0.026388224	5.507787228	0.001	0.001	5E-06	0.006846444	0.001457578	0.009522442	0.0292414	5E-06	24.07514	1.82892E-05	0.000331279	0.000405017
2098 Sep	65.04473114	0.063459598	0.013618811	0.001	15.22342777	0.029289342	5.387149811	0.001	0.001	5E-06	0.006956197	0.001400196	0.009950385	0.027214492	5E-06	22.69224739	1.7221E-05	0.000310431	0.000359705
2098 Oct	62.88386154	0.071048275	0.012285107	0.001	14.87936592	0.031720459	5.348905087	0.001	0.001	5E-06	0.00719509	0.00135529	0.010213389	0.025664816	5E-06	21.64119339	1.68773E-05	0.000293343	0.000324159
2098 Nov	62.17241287	0.073546767	0.011845998	0.001	14.76608753	0.032520883	5.336313248	0.001	0.001	5E-06	0.007273743	0.001340506	0.010299981	0.0251546	5E-06	21.29514313	1.67641E-05	0.000287716	0.000312456
2098 Dec	62.16173935	0.073584259	0.011839411	0.001	14.76438904	0.032532889	5.33612442	0.001	0.001	5E-06	0.007274923	0.001340284	0.01030128	0.025146946	5E-06	21.28995132	1.67624E-05	0.000287632	0.000312281
2099 Jan	62.17011642	0.073599465	0.011841458	0.001	14.76686668	0.032533858	5.337017059	0.001	0.001	5E-06	0.007275	0.001340426	0.010301118	0.02515146	5E-06	21.29354477	1.67625E-05	0.000287667	0.000312359
2099 Feb	62.18450165	0.073609002	0.011846133	0.001	14.77069378	0.03253166	5.338273048	0.001	0.001	5E-06	0.007274759	0.001340682	0.010300522	0.025159761	5E-06	21.29989433	1.67631E-05	0.00028774	0.000312514
2099 Mar	62.19238663	0.073614232	0.011848695	0.001	14.77279282	0.032530457	5.338961601	0.001	0.001	5E-06	0.007274627	0.001340822	0.010300195	0.025164312	5E-06	21.30337524	1.67634E-05	0.000287779	0.000312599
2099 Apr	62.7752037	0.074000739	0.0120381	0.001	14.92791462	0.032441407	5.389853477	0.001	0.001	5E-06	0.007264858	0.001351192	0.010276031	0.025500717	5E-06	21.56061554	1.67864E-05	0.000290709	0.000318906
2099 May	76.31690979	0.077432826	0.016890269	0.001	18.30546379	0.028376518	6.4483881	0.001	0.001	5E-06	0.007005593	0.001591519	0.009546337	0.03347411	5E-06	27.55231285	1.81374E-05	0.000364219	0.000474307
2099 Jun	76.3403244	0.072288297	0.017317669	0.001	18.10089684	0.026516812	6.335175991	0.001	0.001	5E-06	0.006975181	0.00159136	0.009388902	0.033633731	5E-06	27.57635307	1.88978E-05	0.000369398	0.000482808
2099 Jul	74.20897675	0.069061488	0.016742943	0.001	17.51465988	0.026642248	6.13841629	0.001	0.001	5E-06	0.006935533	0.001559958	0.009362235	0.032551602	5E-06	26.69197655	1.86598E-05	0.000358343	0.000463274
2099 Aug	72.45769501	0.067491151	0.016129706	0.001	17.12945747	0.027577842	6.008859158	0.001	0.001	5E-06	0.006857723	0.001532557	0.009533715	0.031554453	5E-06	25.96329117	1.78884E-05	0.000348508	0.000442759
2099 Sep	69.73829651	0.068670005	0.014958791	0.001	16.57269096	0.029448442	5.845918655	0.001	0.001	5E-06	0.006875666	0.001483426	0.009864636	0.029842073	5E-06	24.75826263	1.69832E-05	0.000332064	0.000406371
2099 Oct	67.81945038	0.073177665	0.013934585	0.001	16.20526123	0.031047832	5.773318768	0.001	0.001	5E-06	0.00704272	0.001445021	0.010048251	0.028541906	5E-06	23.84724045	1.67792E-05	0.000318482	0.000377948
2099 Nov	66.87119293	0.075405277	0.013428443	0.001	16.02368355	0.03183822	5.73744154	0.001	0.001	5E-06	0.007125274	0.001426042	0.010138989	0.027899388	5E-06	23.39702988	1.66784E-05	0.00031177	0.000363902
2099 Dec	66.85983276	0.075431965	0.013422379	0.001	16.02150917	0.031847689	5.737011909	0.001	0.001	5E-06	0.007126263	0.001425815	0.010140076	0.027891692	5E-06	23.39163589	1.66772E-05	0.000311689	0.000363733
2100 Jan	66.8663559	0.075446032	0.013423828	0.001	16.02348137	0.031848852	5.73774004	0.001	0.001	5E-06	0.007126387	0.001425924	0.010139974	0.027895134	5E-06	23.39440536	1.66773E-05	0.000311715	0.000363791
2100 Feb	66.8794632	0.075454943	0.013428078	0.001	16.026968	0.031846844	5.73888588	0.001	0.001	5E-06	0.007126179	0.001426156	0.010139425	0.027902694	5E-06	23.40018654	1.66778E-05	0.000311781	0.000363933
2100 Mar	66.88661957	0.075459801	0.013430397	0.001	16.02887154	0.031845748	5.73951149	0.001	0.001	5E-06	0.007126065	0.001426284	0.010139125	0.027906818	5E-06	23.40334129	1.66782E-05	0.000311817	0.00036401
2100 Apr	66.89069366	0.075462565	0.013431719	0.001	16.02995491	0.031845123	5.739867687	0.001	0.001	5E-06	0.007126001	0.001426356	0.010138954	0.027909169	5E-06	23.40513802	1.66783E-05	0.000311838	0.000364054
2100 May	70.90464783	0.074339665	0.015052249	0.001	16.93351364	0.029785441	6.002531528	0.001	0.001	5E-06	0.007047568	0.001496992	0.009845249	0.030333702	5E-06	25.18255424	1.74733E-05	0.000335866	0.000413784
2100 Jun	72.7795639	0.065844677	0.016469477	0.001	17.01519585	0.025832985	5.942403793	0.001	0.001	5E-06	0.00698034	0.001528571	0.009448204	0.031692617	5E-06	26.02772331	1.9133E-05	0.000355109	0.000450109
2100 Jul	69.53234863	0.060977604	0.015616484	0.001	16.07569885	0.025644876	5.618084908	0.001	0.001	5E-06	0.00697681	0.001475053	0.009455952	0.029962189	5E-06	24.63628387	1.91327E-05	0.000340016	0.000419805
2100 Aug	66.58960724	0.058327466	0.014577039	0.001	15.45354271	0.027420493	5.417091846	0.001	0.001	5E-06	0.006814381	0.001433364	0.009682707	0.028357668	5E-06	23.44312477	1.76455E-05	0.000322163	0.000386151
2100 Sep	64.9176712	0.058558684	0.013855384	0.001	15.14028072	0.028805619	5.31990242	0.001	0.001	5E-06	0.006770883	0.001404078	0.009952594	0.027300226	5E-06	22.71974754	1.67752E-05	0.000312085	0.000363062
2100 Oct	64.46434784	0.060325865	0.013565271	0.001	15.07016277	0.029336166	5.314008236	0.001	0.001	5E-06	0.006827531	0.001394444	0.010008203	0.02696933	5E-06	22.49632454	1.6717E-05	0.000308413	0.000355427
2100 Nov	64.36367035	0.060718302	0.013500846	0.001	15.05459213	0.029453984	5.312699318	0.001	0.001	5E-06	0.00684011	0.001392304	0.010020551	0.026895849	5E-06	22.44670868	1.67041E-05	0.000307597	0.000353731
2100 Dec	64.35735321	0.060742956	0.013496798	0.001	15.05361271	0.029461388	5.312616825	0.001	0.001	5E-06	0.006840901	0.00139217	0.010021327	0.026891233	5E-06	22.44359207	1.67033E-05	0.000307546	0.000353625
2101 Jan	64.36307526	0.060757775	0.013497902	0.001	15.05540085	0.029462926	5.313294888	0.001	0.001	5E-06	0.006841072	0.001392263	0.01002128	0.026894167	5E-06	22.44599152	1.67034E-05	0.000307567	0.000353672
2101 Feb	64.37367249	0.060766701	0.013501219	0.001	15.05825996	0.029461671	5.314248562	0.001	0.001	5E-06	0.006840947	0.00139245	0.010020865	0.026900221	5E-06	22.45064545	1.67038E-05	0.000307619	0.000353785
2101 Mar	64.3794632	0.060771577	0.013503033	0.001	15.05982304	0.029460983	5.314770222	0.001	0.001	5E-06	0.006840879	0.001392552	0.010020639	0.026903531	5E-06	22.45318794	1.6704E-05	0.000307648	0.000353846
2101 Apr	64.3943634	0.060784124	0.013507699	0.001	15.06384373	0.029459219	5.316111088	0.001	0.001	5E-06	0.006840704	0.001392815	0.010020057	0.026912039	5E-06	22.45972824	1.67047E-05	0.000307721	0.000354004
2101 May	68.6725769	0.062188476	0.015050927	0.001	16.09612083	0.027891416	5.640432835	0.001	0.001	5E-06	0.006812679	0.001466389	0.00975871	0.029410047	5E-06	24.32754517	1.74571E-05	0.000331483	0.000403461

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jun	71.2922287	0.060070615	0.016271416	0.001	16.56270981	0.025494969	5.756706715	0.001	0.001	5E-06	0.00682586	0.001508919	0.009471265	0.031013003	5E-06	25.45691681	1.86976E-05	0.000349735	0.000439304
2101 Jul	70.11525726	0.058421575	0.015956637	0.001	16.22171783	0.025425239	5.639725685	0.001	0.001	5E-06	0.006830932	0.001489221	0.009474665	0.030380106	5E-06	24.94932938	1.87207E-05	0.00034426	0.000428207
2101 Aug	69.43959808	0.057849925	0.015718594	0.001	16.07673645	0.025815362	5.593783855	0.001	0.001	5E-06	0.006797466	0.001479748	0.009517343	0.030015524	5E-06	24.67507362	1.84027E-05	0.00034011	0.000420602
2101 Sep	67.20048523	0.060181167	0.014649885	0.001	15.66535187	0.027774153	5.486627579	0.001	0.001	5E-06	0.006829582	0.001438898	0.009827147	0.02856235	5E-06	23.67419434	1.75233E-05	0.000325423	0.000388571
2101 Oct	66.31322479	0.06306085	0.014118746	0.001	15.51864815	0.028722281	5.46754837	0.001	0.001	5E-06	0.006921523	0.001420795	0.00992748	0.027936954	5E-06	23.24629402	1.73844E-05	0.00031852	0.000374339
2101 Nov	65.09687805	0.067008615	0.013390604	0.001	15.31753254	0.030022075	5.441393852	0.001	0.001	5E-06	0.007047566	0.001395978	0.010065024	0.027079597	5E-06	22.65968513	1.7194E-05	0.000309056	0.000354828
2101 Dec	64.88179779	0.067706682	0.013261851	0.001	15.28197002	0.030251909	5.436768532	0.001	0.001	5E-06	0.007069854	0.001391589	0.010089346	0.026927995	5E-06	22.55595779	1.71604E-05	0.000307382	0.000351378
2102 Jan	64.89191437	0.067730144	0.013263965	0.001	15.28509617	0.030254301	5.437935829	0.001	0.001	5E-06	0.007070054	0.001391759	0.010089226	0.026933294	5E-06	22.56024933	1.71603E-05	0.000307421	0.000351465
2102 Feb	64.91093445	0.067744598	0.013270018	0.001	15.29020786	0.030251842	5.439629078	0.001	0.001	5E-06	0.007069774	0.001392097	0.010088461	0.026944224	5E-06	22.56863022	1.71609E-05	0.000307515	0.000351669
2102 Mar	64.92126465	0.067752458	0.013273306	0.001	15.29298496	0.030250506	5.440549374	0.001	0.001	5E-06	0.007069621	0.00139228	0.010088045	0.026950162	5E-06	22.57318306	1.71613E-05	0.000307566	0.000351779
2102 Apr	64.92717743	0.067756951	0.013275186	0.001	15.29457283	0.030249743	5.441075802	0.001	0.001	5E-06	0.007069534	0.001392385	0.010087808	0.026953556	5E-06	22.57578659	1.71615E-05	0.000307596	0.000351843
2102 May	64.93546295	0.067758732	0.013278203	0.001	15.29659748	0.030246895	5.441706657	0.001	0.001	5E-06	0.007069406	0.001392531	0.010087315	0.026958443	5E-06	22.57944107	1.71626E-05	0.000307641	0.000351939
2102 Jun	54.44446564	0.046836894	0.011036463	0.001	11.89464283	0.026498856	4.201042175	0.001	0.001	5E-06	0.007205927	0.001202932	0.010049999	0.021300795	5E-06	17.9696312	1.91106E-05	0.000269137	0.000261695
2102 Jul	49.63713074	0.037434287	0.009965863	0.001	10.39571857	0.02527792	3.664897203	0.001	0.001	5E-06	0.007207965	0.001122407	0.009982993	0.01879381	5E-06	15.90542889	1.95756E-05	0.000249312	0.000220621
2102 Aug	49.21202469	0.037414666	0.00973394	0.001	10.38977623	0.026240544	3.669059753	0.001	0.001	5E-06	0.007111421	0.001119946	0.010083294	0.018570524	5E-06	15.76759148	1.87694E-05	0.000245125	0.000213949
2102 Sep	49.11874008	0.039861083	0.00947293	0.001	10.49442482	0.027385585	3.721657276	0.001	0.001	5E-06	0.007100691	0.001117919	0.010239643	0.01841075	5E-06	15.72162437	1.8182E-05	0.000242286	0.000207617
2102 Oct	49.35185623	0.048492867	0.008941406	0.001	10.79216576	0.029478731	3.890201092	0.001	0.001	5E-06	0.007266973	0.001116978	0.010407239	0.018266873	5E-06	15.74282169	1.78038E-05	0.000237261	0.000198394
2102 Nov	49.36772919	0.049080543	0.008905218	0.001	10.81243706	0.029621238	3.901675701	0.001	0.001	5E-06	0.007278294	0.001116914	0.010418648	0.018257078	5E-06	15.74426556	1.77781E-05	0.000236919	0.000197766
2102 Dec	49.36853409	0.04911039	0.00890338	0.001	10.81346607	0.029628476	3.902258635	0.001	0.001	5E-06	0.007278868	0.001116911	0.010419229	0.018256582	5E-06	15.74433804	1.77768E-05	0.000236902	0.000197734
2103 Jan	49.37818527	0.049128313	0.008905684	0.001	10.81636524	0.029629979	3.903306484	0.001	0.001	5E-06	0.007278927	0.001117076	0.010419076	0.018261777	5E-06	15.74849129	1.77766E-05	0.000236942	0.000197823
2103 Feb	49.39087296	0.049138863	0.008909643	0.001	10.81981468	0.029628688	3.904456854	0.001	0.001	5E-06	0.007278743	0.001117302	0.010418606	0.018269032	5E-06	15.75407791	1.77769E-05	0.000237004	0.000197957
2103 Mar	49.39779282	0.049144622	0.008911803	0.001	10.82169628	0.029627986	3.905083895	0.001	0.001	5E-06	0.007278642	0.001117424	0.010418349	0.01827299	5E-06	15.7571249	1.7777E-05	0.000237038	0.00019803
2103 Apr	49.40173721	0.049147904	0.008913034	0.001	10.82276917	0.029627586	3.905441523	0.001	0.001	5E-06	0.007278585	0.001117494	0.010418203	0.018275248	5E-06	15.7588625	1.77771E-05	0.000237057	0.000198071
2103 May	54.81473541	0.051797122	0.010759247	0.001	12.21074104	0.028343143	4.351709843	0.001	0.001	5E-06	0.00719805	0.001212897	0.010155601	0.021420781	5E-06	18.14271355	1.82404E-05	0.000265469	0.000258371
2103 Jun	63.9064827	0.052792192	0.014152499	0.001	14.38560963	0.02481617	5.018361092	0.001	0.001	5E-06	0.007059392	0.001371891	0.009599487	0.02679603	5E-06	22.14752007	1.96457E-05	0.000316879	0.000365411
2103 Jul	60.88262558	0.048270103	0.013328195	0.001	13.56637669	0.025097365	4.746908188	0.001	0.001	5E-06	0.006991005	0.001328957	0.009542403	0.025284728	5E-06	20.90437508	1.92226E-05	0.000300642	0.000337873
2103 Aug	57.12973022	0.043462414	0.012121352	0.001	12.77376747	0.02731364	4.518828869	0.001	0.001	5E-06	0.006692131	0.001294021	0.009423818	0.023616053	5E-06	19.50810814	1.7108E-05	0.000273798	0.000302508
2103 Sep	56.40151596	0.049173556	0.011422275	0.001	12.76356602	0.02908111	4.559420109	0.001	0.001	5E-06	0.006820338	0.001274651	0.009680822	0.022926981	5E-06	19.11342812	1.67006E-05	0.000266342	0.000284495
2103 Oct	55.54245377	0.059397433	0.010385417	0.001	12.80173874	0.031651169	4.653152943	0.001	0.001	5E-06	0.007091515	0.001248068	0.009998741	0.022002377	5E-06	18.59462929	1.6426E-05	0.000255631	0.000259552
2103 Nov	55.31757355	0.062073763	0.010113996	0.001	12.81173038	0.032323942	4.677689552	0.001	0.001	5E-06	0.007162502	0.00124111	0.010081964	0.021760339	5E-06	18.45882225	1.63542E-05	0.000252827	0.000253023
2103 Dec	55.31473923	0.062107515	0.010110573	0.001	12.81185627	0.032332428	4.677999496	0.001	0.001	5E-06	0.007163397	0.001241022	0.010083013	0.021757286	5E-06	18.45710945	1.63533E-05	0.000252792	0.000252941
2104 Jan	55.3248558	0.062125627	0.01011306	0.001	12.81482601	0.032333419	4.679054737	0.001	0.001	5E-06	0.007163506	0.001241188	0.010082931	0.021762641	5E-06	18.46141624	1.63534E-05	0.000252837	0.000253033
2104 Feb	55.33987427	0.062136758	0.010117855	0.001	12.81884384	0.032331333	4.680376053	0.001	0.001	5E-06	0.007163293	0.001241452	0.010082394	0.021771211	5E-06	18.46801186	1.63541E-05	0.000252912	0.000253193
2104 Mar	55.3479805	0.062142767	0.010120444	0.001	12.8210144	0.032330208	4.681089401	0.001	0.001	5E-06	0.007163178	0.001241594	0.010082102	0.021775838	5E-06	18.47157097	1.63544E-05	0.000252953	0.000253279
2104 Apr	55.35250092	0.062146116	0.010121888	0.001	12.82222366	0.032329582	4.68148756	0.001	0.001	5E-06	0.007163113	0.001241673	0.01008194	0.02177842	5E-06	18.47355843	1.63546E-05	0.000252976	0.000253328
2104 May	62.16839981	0.063496225	0.012608186	0.001	14.47667789	0.029902264	5.187219143	0.001	0.001	5E-06	0.007067008	0.001358002	0.009760641	0.025730308	5E-06	21.45672989	1.73183E-05	0.000291767	0.000331428
2104 Jun	67.50247955	0.060742423	0.014872337	0.001	15.59684467	0.026477724	5.486187458	0.001	0.001	5E-06	0.006992613	0.001445729	0.009429727	0.028885672	5E-06	23.78034592	1.87767E-05	0.000326755	0.000398186
2104 Jul	65.23460388	0.057176758	0.014269246	0.001	14.97097492	0.026591199	5.275247097	0.001	0.001	5E-06	0.00694596	0.001412538	0.009398257	0.027740274	5E-06	22.84177589	1.85172E-05	0.000315043	0.00037758
2104 Aug	63.63384247	0.05557495	0.013709513	0.001	14.63804245	0.027598746	5.168146133	0.001	0.001	5E-06	0.006842856	0.001391028	0.009511238	0.026887223	5E-06	22.20274162	1.76392E-05	0.000305106	0.00035955
2104 Sep	61.90362549	0.057768974	0.012829106	0.001	14.35625935	0.029424995	5.095280647	0.001	0.001	5E-06	0.006851133	0.001358096	0.009844271	0.025707863	5E-06	21.42417336	1.67405E-05	0.000293706	0.000332814
2104 Oct	60.54641342	0.064632207	0.011847341	0.001	14.18618584	0.03137809	5.100888252	0.001	0.001	5E-06	0.007057901	0.001326985	0.010070709	0.024640981	5E-06	20.73144531	1.65223E-05	0.000281955	0.000307381
2104 Nov	60.17526245	0.066509068	0.011578863	0.001	14.13967514	0.031912193	5.102422237	0.001	0.001	5E-06	0.007114444	0.001318477	0.010132631	0.024349228	5E-06	20.54200745	1.64626E-05	0.000278742	0.000300426
2104 Dec	60.17080307	0.066531621	0.011575637	0.001	14.13911629	0.031918611	5.102440357	0.001	0.001	5E-06	0.007115123	0.001318375	0.010133375	0.024345722	5E-06	20.53973198	1.64619E-05	0.000278703	0.000300343
2105 Jan	60.17792892	0.066545561	0.011577313	0.001	14.14123535	0.031919558	5.103206635	0.001	0.001	5E-06	0.007115228	0.001318493	0.010133294	0.024349483	5E-06	20.54275894	1.6462E-05	0.000278733	0.000300407
2105 Feb	60.18963623	0.066554122	0.011581062	0.001	14.1443634	0.0319179	5.104236603	0.001	0.001	5E-06	0.007115059	0.001318699	0.010132845	0.024356192	5E-06	20.54790688	1.64625E-05	0.000278792	0.000300532
2105 Mar	60.1960144	0.066558786	0.011583108	0.001	14.14606953	0.031916991	5.104798794	0.001	0.001	5E-06	0.007114966	0.001318811	0.010132599	0.024359848	5E-06	20.55071449	1.64628E-05	0.000278824	0.000300601
2105 Apr	60.19964981	0.066561446	0.011584272	0.001	14.14704132	0.031916477	5.105118275	0.001	0.001	5E-06	0.007114914	0.001318875	0.010132459	0.024361929	5E-06	20.55231285	1.64629E-05	0.000278842	0.00030064
2105 May	65.058815	0.066960111	0.013406687	0.001	15.30233479	0.029971724	5.45522213	0.001	0.001	5E-06	0.007043112	0.00140271	0.009857866	0.027216319	5E-06	22.68603897	1.72441E-05	0.000306778	0.000357661
2105 Jun	69.04623413	0.065200269	0.015077736	0.001	16.15544128	0.027545495	5.691150188	0.001	0.001	5E-06	0.006983182	0.001470285	0.009574589	0.029604793	5E-06	24.43462372	1.82666E-05	0.000332065	0.000407758
2105 Jul	66.9972229	0.061893195	0.014521194	0.001	15.62259197	0.027913017	5.51886034	0.001	0.001	5E-06	0.006897742	0.001444948	0.009497363	0.028641073	5E-06	23.62213516	1.77695E-05	0.000320104	0.000389794
2105 Aug	63.3771286	0.057687718	0.013324971	0.001	14.82211113	0.02978171	5.258477211	0.001	0.001	5E-06	0.006685309	0.001396407	0.009678775	0.02675073	5E-06	22.17449379	1.60575E-05	0.000298241	0.000350942
2105 Sep	60.80436707	0.061596736	0.012005033	0.001	14.37435532	0.032270279	5.144620419	0.001	0.001	5E-06	0.006761383	0.00134473	0.010147606	0.02496442	5E-06	20.98692513	1.50557E-05	0.000281644	0.000311148
2105 Oct	59.62486267	0.067771316	0.011155321	0.001	14.20764542	0.033814397	5.144059658	0.001	0.001	5E-06	0.006972278	0.001316258	0.010329846	0.024022592	5E-06	20.36988068	1.5049E-05	0.000271741	0.000289175
2105 Nov	59.17476273	0.070127524	0.010831071	0.001	14.14402866	0.034403633	5.143846035	0.001	0.001	5E-06	0.007052755	0.001305392	0.01039939	0.023663193	5E-06	20.13441467	1.50464E-05	0.000267962	0.00028079
2105 Dec	59.16924667	0.070156381	0.0108271	0.001	14.14324951	0.034410849	5.143843174	0.001	0.001	5E-06	0.00705374	0.001305259	0.010400241	0.023658792	5E-06	20.13153267	1.50463E-05	0.000267915	0.000280687
2106 Jan	59.17834091	0.070172302	0.010829409	0.001	14.14585304	0.034411184	5.144771099	0.001	0.001	5E-06	0.007053888	0.001305408	0.010400054	0.023663644	5E-06	20.13538933	1.5047E-05	0.000267956	0.000280772
2106 Feb	59.19287109	0.070182182	0.010834138	0.001	14.14968967	0.034408722	5.146028519	0.001	0.001	5E-06	0.007053691	0.001305664	0.010399455	0.023671992	5E-06	20.14177704	1.50478E-05	0.00026803	0.000280929
2106 Mar	59.20079422	0.070187576	0.010836717	0.001	14.15178299	0.034407377	5.146713734	0.001	0.001	5E-06	0.007053584	0.001305803	0.010399128	0.023676543	5E-06	20.14525795	1.50483E-05	0.00026807	0.000281015
2106 Apr	59.20530701	0.070190646	0.010838185	0.001	14.15297508	0.034406614	5.147104263	0.001	0.001	5E-06	0.007053522	0.001305882	0.010398943	0.023679135	5E-06	20.14724159	1.50485E-05	0.000268093	0.000281064
2106 May	61.05466843	0.070120066	0.011554149	0.001	14.57814026	0.033541013	5.27354002	0.001	0.001	5E-06	0.007030767	0.001337539	0.010281819	0.024771411	5E-06	20.95742607	1.54211E-05	0.000279027	0.00030324
2106 Jun	63.64928055	0.059565734	0.013456607	0.001	14.6768856	0.027980903	5.186866283	0.001	0.001	5E-06	0.007017281	0.001375245	0.009794843	0.026540125	5E-06	22.07406998	1.80284E-05	0.000306458	0.000351523
2106 Jul	60.09819794	0.05334292	0.012584918	0.001	13.63791943	0.027657438	4.826924324	0.001	0.001	5E-06	0.006977937	0.001320161	0.009736031	0.024727261	5E-06	20.58115768	1.79689E-05	0.000289731	0.000320302
2106 Aug	57.016819	0.049428612	0.011562689	0.001	13.00304604	0.029620493	4.631270409	0.001	0.001	5E-06	0.006723985	0.001286491	0.009805473	0.023240516	5E-06	19.40812874	1.61024E-05	0.000269036	0.000288595
2106 Sep	55.46021271	0.052974246	0.010618073	0.001	12.8312645	0.031981353	4.597828865	0.001	0.001	5E-06	0.00672612	0.001254211	0.010266961	0.02206208	5E-06	18.69044304	1.49183E-05	0.000257986	0.000260188
2106 Oct	55.17289734	0.056879211	0.010249521	0.001	12.84233379	0.032835394	4.633396149	0.001	0.001	5E-06	0.006842489	0.001244751	0.01035769	0.021743122	5E-06	18.50738716	1.49237E-05	0.000254182	0.000251647
2106 Nov	55.16677094	0.056962524	0.010241657	0.001	12.84256935	0.032853615	4.634154797	0.001	0.001	5E-06	0.006844971	0.001244549	0.010359625	0.021736318	5E-06	18.50348091	1.49238E-05	0.000254101	0.000251465
2106 Dec	55.16533661	0.056982011	0.010239818	0.001	12.84262562	0.032857876	4.63433218	0.001	0.001	5E-06	0.006845552	0.001244502	0.010360079	0.021734726	5E-06	18.50256729	1.49238E-05	0.000254082	0.000251422
2107 Jan	55.17139053	0.056993842	0.01024127	0.001	12.84438896	0.032858379	4.634970188	0.001	0.001	5E-06	0.00684568	0.0012446	0.010359978	0.021737915	5E-06	18.50512314	1.49242E-05	0.000254109	0.000251478
2107 Feb	55.1802597	0.057000913	0.010244085	0.001	12.84675503	0.032857098	4.635753632	0.001	0.001	5E-06	0.006845586	0.001244755	0.010359634	0.021742972	5E-06	18.5090065	1.49247E-05	0.000254153	0.000251572
2107 Mar	55.18509293	0.057004772	0.010245619	0.001	12.84804535	0.032856397	4.636180878	0.001	0.001	5E-06	0.006845534	0.00124484	0.010359446	0.021745728	5E-06	18.51112366	1.4925E-05	0.000254177	0.000251624
2107 Apr	55.18784714	0.057006963	0.010246494	0.001	12.84878063	0.032856002	4.636424065	0.001	0.001	5E-06	0.006845505	0.001244888	0.010359338	0.021747297	5E-06	18.51233101	1.49251E-05	0.000254191	0.000251653
2107 May	58.35557556	0.058099575	0.011385188	0.001	13.61164665	0.031685356	4.87446022	0.001	0.001	5E-06	0.006829972	0.001298404	0.010185463	0.0235781	5E-06	19.88868523	1.55011E-05	0.000272023	0.000287931
2107 Jun	64.61587524	0.057853598	0.013859062	0.001	14.98110199	0.028175531	5.274755955	0.001	0.001	5E-06	0.006829662	0.001401103	0.009756673	0.027237633	5E-06	22.59011459	1.73024E-05	0.000310565	0.000363868
2107 Jul	62.0911026	0.05378627	0.013180327	0.001	14.31657887	0.028561529	5.060786724	0.001	0.001	5E-06	0.006732848	0.001369921	0.009642666	0.026057264	5E-06	21.58743095	1.67541E-05	0.000295838	0.000342057
2107 Aug	60.94573593	0.05231066	0.012817157	0.001	14.0613699	0.029129993	4.98193264	0.001	0.001	5E-06	0.00665784	0.001356867	0.009642079	0.025508568	5E-06	21.14439583	1.62072E-05	0.000288384	0.000330796
2107 Sep	60.27523041	0.055292405	0.012349303	0.001	13.97775745	0.030092146	4.979195118	0.001	0.001	5E-06	0.006740262	0.001341294	0.009783184	0.024976239	5E-06	20.80594063	1.60242E-05	0.000282964	0.000318157
2107 Oct	59.56414032	0.059716661	0.011780932	0.001	13.90214062	0.031245071	4.991631031	0.001	0.001	5E-06	0.006876354	0.001323407	0.009927558	0.024374848	5E-06	20.42653084	1.5945E-05	0.000276548	0.000303606
2107 Nov	59.27500153	0.061515626	0.011549823	0.001	13.87139416	0.031713866	4.996687412	0.001	0.001	5E-06	0.006931691	0.001316133	0.009986262	0.024130315	5E-06	20.27225685	1.59128E-05	0.000273939	0.000297689
2107 Dec	59.2710228	0.061540376	0.011546643	0.001	13.87097168	0.031720318	4.996757507	0.001	0.001	5E-06	0.006932452	0.001316033	0.00998707	0.024126951	5E-06	20.27013397	1.59123E-05	0.000273903	0.000297608
2108 Jan	59.27840042	0.061555658	0.011548329	0.001	13.87316322	0.031721313	4.997552395	0.001	0.001	5E-06	0.006932606	0.001316152	0.009987028	0.024130775	5E-06	20.27323914	1.59126E-05	0.000273935	0.000297673
2108 Feb	59.29027176	0.061564948	0.011552099	0.001	13.87634182	0.031719677	4.998601437	0.001	0.001	5E-06	0.006932462	0.001316359	0.009986596	0.02413754	5E-06	20.27844429	1.59132E-05	0.000273995	0.000297799
2108 Mar	59.29672623	0.061569996	0.011554147	0.001	13.87806988	0.031718783	4.999171734	0.001	0.001	5E-06	0.006932383	0.001316472	0.009986361	0.024141217	5E-06	20.2812748	1.59135E-05	0.000274027	0.000297867
2108 Apr	59.32537842	0.061592415	0.011563241	0.001	13.88573647	0.031714831	5.001703262	0.001	0.001	5E-06	0.006932035	0.001316973	0.00998532	0.024157537	5E-06	20.29383278	1.59149E-05	0.000274171	0.000298172

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 May	59.82413483	0.061863493	0.011732035	0.001	14.01301479	0.031592164	5.042464256	0.001	0.001	5E-06	0.006926802	0.001325544	0.009964161	0.024443323	5E-06	20.5117321	1.59666E-05	0.000276832	0.00030366
2108 Jun	57.28094482	0.050733797	0.011730884	0.001	12.85700798	0.027814245	4.564594269	0.001	0.001	5E-06	0.007021484	0.001270115	0.009824184	0.023126185	5E-06	19.34046364	1.79736E-05	0.000276253	0.0002911
2108 Jul	55.52509308	0.047437876	0.011331989	0.001	12.30788898	0.027358526	4.367476463	0.001	0.001	5E-06	0.007031828	0.001239657	0.00981647	0.022190209	5E-06	18.57831764	1.81784E-05	0.000269206	0.000275723
2108 Aug	55.10268784	0.047080811	0.011163292	0.001	12.24267101	0.02781453	4.347453117	0.001	0.001	5E-06	0.006983519	0.001234818	0.009869639	0.021964757	5E-06	18.41865158	1.77813E-05	0.000266212	0.000270428
2108 Sep	54.79510117	0.048950605	0.010889547	0.001	12.24609184	0.02861491	4.363324642	0.001	0.001	5E-06	0.007001989	0.001228096	0.009986283	0.021697124	5E-06	18.26871872	1.74563E-05	0.000263054	0.000263154
2108 Oct	54.23037338	0.058611918	0.009994168	0.001	12.36070824	0.031105908	4.481401443	0.001	0.001	5E-06	0.00722973	0.001210142	0.010239216	0.021013433	5E-06	17.90860748	1.70829E-05	0.000253468	0.000242911
2108 Nov	54.1230278	0.060448404	0.009823969	0.001	12.38249397	0.031579413	4.503846169	0.001	0.001	5E-06	0.007273019	0.001206729	0.010287294	0.020883473	5E-06	17.84015465	1.70119E-05	0.000251646	0.000239063
2108 Dec	54.12155151	0.060473729	0.009821622	0.001	12.38279533	0.031585943	4.504155636	0.001	0.001	5E-06	0.007273617	0.001206682	0.010287957	0.020881683	5E-06	17.83921051	1.70109E-05	0.000251621	0.00023901
2109 Jan	54.1302948	0.060489282	0.009823767	0.001	12.38538361	0.031586975	4.50508213	0.001	0.001	5E-06	0.007273678	0.001206829	0.010287835	0.020886371	5E-06	17.84296227	1.70109E-05	0.000251659	0.00023909
2109 Feb	54.14281082	0.060498662	0.009827753	0.001	12.38874817	0.031585366	4.506192684	0.001	0.001	5E-06	0.007273488	0.001207051	0.010287365	0.020893544	5E-06	17.84847069	1.70113E-05	0.000251721	0.000239224
2109 Mar	54.14962006	0.060503766	0.009829922	0.001	12.39058018	0.031584486	4.506797314	0.001	0.001	5E-06	0.007273384	0.001207171	0.010287109	0.020897446	5E-06	17.85147095	1.70115E-05	0.000251755	0.000239297
2109 Apr	54.15625381	0.060508739	0.009832033	0.001	12.39236355	0.031583637	4.507386684	0.001	0.001	5E-06	0.007273283	0.001207289	0.010286859	0.020901248	5E-06	17.85439301	1.70118E-05	0.000251788	0.000239367
2109 May	59.0222435	0.061673943	0.011586225	0.001	13.59293747	0.030014161	4.880294323	0.001	0.001	5E-06	0.007192028	0.00129224	0.010037595	0.023747252	5E-06	19.99711609	1.75857E-05	0.000278706	0.000295141
2109 Jun	65.49858093	0.061449815	0.014067544	0.001	15.11388683	0.02725056	5.334413528	0.001	0.001	5E-06	0.007078845	0.001404506	0.00965847	0.027576331	5E-06	22.84916687	1.86445E-05	0.000316461	0.000372135
2109 Jul	62.53915405	0.056486964	0.013268781	0.001	14.35426807	0.02785909	5.090417385	0.001	0.001	5E-06	0.006933914	0.001369829	0.009527718	0.026216215	5E-06	21.69138527	1.78192E-05	0.000298751	0.000346603
2109 Aug	59.81624222	0.052225403	0.012470958	0.001	13.72654819	0.029014217	4.899186134	0.001	0.001	5E-06	0.006735883	0.001342991	0.009409906	0.025014762	5E-06	20.66760063	1.6562E-05	0.000280509	0.000322417
2109 Sep	58.86317444	0.056298073	0.011801507	0.001	13.61909771	0.030475948	4.894771099	0.001	0.001	5E-06	0.00683399	0.001320404	0.009656806	0.024239348	5E-06	20.18822289	1.61819E-05	0.000273029	0.000303835
2109 Oct	57.43696594	0.066597328	0.010555102	0.001	13.5056448	0.033137545	4.939710617	0.001	0.001	5E-06	0.007139294	0.001281846	0.010022067	0.022949357	5E-06	19.40238571	1.59653E-05	0.000259646	0.000271979
2109 Nov	57.30022049	0.067584813	0.010435597	0.001	13.49476719	0.033392739	4.944019318	0.001	0.001	5E-06	0.007168566	0.001278149	0.010057088	0.022825671	5E-06	19.32704163	1.59445E-05	0.000258363	0.000268925
2109 Dec	57.29748535	0.067604564	0.010433205	0.001	13.49454975	0.033397842	4.944105625	0.001	0.001	5E-06	0.007169152	0.001278075	0.010057789	0.022823198	5E-06	19.32553482	1.59441E-05	0.000258337	0.000268864
2110 Jan	57.30461884	0.067616895	0.010434997	0.001	13.49662018	0.033398338	4.94483614	0.001	0.001	5E-06	0.007169234	0.001278192	0.010057733	0.022826968	5E-06	19.32856369	1.59443E-05	0.00025837	0.000268929
2110 Feb	57.31550598	0.06762445	0.010438513	0.001	13.49951458	0.033396661	4.945782661	0.001	0.001	5E-06	0.007169074	0.001278382	0.010057339	0.022833189	5E-06	19.33334541	1.59448E-05	0.000258425	0.000269046
2110 Mar	57.32145691	0.067628592	0.010440434	0.001	13.50109577	0.033395741	4.94630003	0.001	0.001	5E-06	0.007168987	0.001278486	0.010057122	0.02283659	5E-06	19.33595848	1.59451E-05	0.000258455	0.00026911
2110 Apr	57.32484436	0.067630939	0.01044153	0.001	13.50199699	0.03339522	4.946594238	0.001	0.001	5E-06	0.007168938	0.001278546	0.010056999	0.022838527	5E-06	19.33744812	1.59453E-05	0.000258472	0.000269146
2110 May	58.75627518	0.067691669	0.010981171	0.001	13.84066486	0.03280814	5.04761076	0.001	0.001	5E-06	0.00714728	0.001302836	0.00998655	0.023672128	5E-06	19.96392822	1.61778E-05	0.00026687	0.000285844
2110 Jun	64.71167755	0.060781118	0.013819454	0.001	14.92824459	0.027555652	5.288124084	0.001	0.001	5E-06	0.007051425	0.001397926	0.00955207	0.027257988	5E-06	22.55264854	1.84156E-05	0.000310414	0.000365759
2110 Jul	61.83190155	0.05581791	0.013090131	0.001	14.11251831	0.027517222	5.008269787	0.001	0.001	5E-06	0.006993679	0.001355126	0.009508147	0.025805786	5E-06	21.35773468	1.81741E-05	0.000296153	0.000340164
2110 Aug	56.96984863	0.048346329	0.011158031	0.001	12.87742901	0.03102926	4.618366241	0.001	0.001	5E-06	0.006542749	0.001286712	0.009699045	0.022907922	5E-06	19.09481621	1.48251E-05	0.000258147	0.000279111
2110 Sep	54.66305161	0.056793138	0.010033657	0.001	12.79834461	0.033663653	4.650096893	0.001	0.001	5E-06	0.006751086	0.001250208	0.01017507	0.021680022	5E-06	18.38490295	1.42546E-05	0.000246931	0.000248536
2110 Oct	53.95209885	0.067848071	0.009034736	0.001	12.83836269	0.03591333	4.747317314	0.001	0.001	5E-06	0.007098155	0.001222384	0.010467768	0.020790968	5E-06	17.89177895	1.44025E-05	0.000237618	0.000225013
2110 Nov	53.8193779	0.069911815	0.008848256	0.001	12.84583378	0.0363333	4.765466213	0.001	0.001	5E-06	0.007162946	0.00121719	0.010522409	0.020624999	5E-06	17.79972267	1.44301E-05	0.000235879	0.000220622
2110 Dec	53.81743622	0.069942027	0.008845527	0.001	12.8459425	0.036339451	4.765732288	0.001	0.001	5E-06	0.007163895	0.001217114	0.010523208	0.02062257	5E-06	17.79837608	1.44305E-05	0.000235854	0.000220557
2111 Jan	53.82799149	0.069957592	0.008848405	0.001	12.8488903	0.03633916	4.766756058	0.001	0.001	5E-06	0.007164004	0.001217287	0.010522987	0.020628262	5E-06	17.80287361	1.44313E-05	0.000235904	0.00022066
2111 Feb	53.84292603	0.06996718	0.008853306	0.001	12.85281467	0.036336459	4.768033981	0.001	0.001	5E-06	0.007163795	0.001217549	0.010522388	0.020636832	5E-06	17.80943298	1.44322E-05	0.00023598	0.000220821
2111 Mar	53.85110474	0.069972433	0.00885599	0.001	12.85496426	0.036334984	4.768733978	0.001	0.001	5E-06	0.007163681	0.001217692	0.010522061	0.020641528	5E-06	17.81302643	1.44327E-05	0.000236022	0.00022091
2111 Apr	53.85576248	0.069975421	0.008857518	0.001	12.85618877	0.036334138	4.769132614	0.001	0.001	5E-06	0.007163615	0.001217774	0.010521873	0.020644201	5E-06	17.81507301	1.4433E-05	0.000236046	0.000220961
2111 May	57.10677719	0.069888547	0.010108036	0.001	13.60958958	0.034864124	4.992482662	0.001	0.001	5E-06	0.00711963	0.001273112	0.010335388	0.022553122	5E-06	19.23827744	1.50465E-05	0.000255305	0.000259581
2111 Jun	65.71564484	0.065407112	0.013778877	0.001	15.40719891	0.029246831	5.476727962	0.001	0.001	5E-06	0.007006056	0.001416528	0.009731794	0.027691968	5E-06	22.99757767	1.74787E-05	0.000311316	0.000368478
2111 Jul	64.2019043	0.062646322	0.013415632	0.001	14.95942879	0.029066635	5.32004118	0.001	0.001	5E-06	0.00698949	0.001392746	0.009710191	0.02691658	5E-06	22.35965729	1.74723E-05	0.000304377	0.000355241
2111 Aug	60.02005768	0.0569137	0.012086406	0.001	14.03290462	0.031188963	5.017820358	0.001	0.001	5E-06	0.00669926	0.001340607	0.009859084	0.024815006	5E-06	20.72077942	1.53643E-05	0.000278703	0.000312102
2111 Sep	58.4306221	0.057651896	0.011346185	0.001	13.75956154	0.032725044	4.930413723	0.001	0.001	5E-06	0.006661184	0.001309897	0.010217171	0.023731327	5E-06	20.01504898	1.44286E-05	0.000269441	0.000287993
2111 Oct	57.52494812	0.064410232	0.010564213	0.001	13.66596985	0.034237552	4.956238747	0.001	0.001	5E-06	0.006887761	0.001285266	0.010393723	0.022926543	5E-06	19.50799751	1.4499E-05	0.000260885	0.000268525
2111 Nov	56.95104599	0.068692796	0.010068701	0.001	13.6066618	0.035195988	4.972603798	0.001	0.001	5E-06	0.007031336	0.001269658	0.010505599	0.022416575	5E-06	19.18669319	1.45436E-05	0.000255463	0.000256189
2111 Dec	56.93452072	0.068816118	0.010054432	0.001	13.60495472	0.035223588	4.973074913	0.001	0.001	5E-06	0.007035471	0.001269208	0.01050882	0.02240189	5E-06	19.17744064	1.45449E-05	0.000255307	0.000255834
2112 Jan	56.9457283	0.068834737	0.010057359	0.001	13.60812473	0.035223652	4.974196911	0.001	0.001	5E-06	0.007035646	0.001269392	0.010508564	0.022407899	5E-06	19.18219948	1.45458E-05	0.000255358	0.00025594
2112 Feb	56.96282196	0.068846315	0.010062929	0.001	13.61262798	0.035220675	4.975670815	0.001	0.001	5E-06	0.007035424	0.001269691	0.010507858	0.022417709	5E-06	19.1897049	1.45469E-05	0.000255445	0.000256125
2112 Mar	56.97208786	0.068852603	0.01006595	0.001	13.61507034	0.035219055	4.976469994	0.001	0.001	5E-06	0.007035303	0.001269854	0.010507474	0.022423029	5E-06	19.19377327	1.45475E-05	0.000255492	0.000256226
2112 Apr	56.97725677	0.068856113	0.010067635	0.001	13.61643219	0.035218153	4.976916313	0.001	0.001	5E-06	0.007035236	0.001269945	0.01050726	0.022425996	5E-06	19.19604301	1.45478E-05	0.000255518	0.000256282
2112 May	61.29085159	0.068875916	0.011725676	0.001	14.61124516	0.033228911	5.274130821	0.001	0.001	5E-06	0.006988134	0.001343495	0.01023832	0.024965523	5E-06	21.08252716	1.54238E-05	0.000280944	0.000307756
2112 Jun	67.52185059	0.06099844	0.01480636	0.001	15.66229725	0.026990013	5.499803066	0.001	0.001	5E-06	0.006944701	0.001443979	0.009603417	0.028805744	5E-06	23.78630638	1.83397E-05	0.000327046	0.000395182
2112 Jul	63.40930557	0.054450471	0.013759921	0.001	14.4545517	0.026594762	5.080469131	0.001	0.001	5E-06	0.00694001	0.001376355	0.009591393	0.026630985	5E-06	22.02581024	1.84136E-05	0.000308258	0.000357584
2112 Aug	62.4541893	0.053775996	0.013393404	0.001	14.27419949	0.027356403	5.021627903	0.001	0.001	5E-06	0.006874538	0.001362432	0.009712319	0.026085233	5E-06	21.63856316	1.77922E-05	0.00030235	0.000345652
2112 Sep	61.38446426	0.05505117	0.012846793	0.001	14.10900497	0.0285588	4.979586124	0.001	0.001	5E-06	0.006865583	0.001342828	0.00992218	0.025364596	5E-06	21.16457176	1.71528E-05	0.000295119	0.000329088
2112 Oct	60.81580353	0.058221687	0.012413739	0.001	14.04780102	0.029466163	4.98843956	0.001	0.001	5E-06	0.006955784	0.001329978	0.010017537	0.024914004	5E-06	20.87402725	1.7034E-05	0.000289869	0.000318101
2112 Nov	60.70607758	0.05883345	0.01233018	0.001	14.03599167	0.029641245	4.990147591	0.001	0.001	5E-06	0.006973189	0.001327499	0.010035936	0.024827059	5E-06	20.81796455	1.7011E-05	0.000288856	0.000315981
2112 Dec	60.70207214	0.058855802	0.012327126	0.001	14.03556061	0.029647641	4.990210056	0.001	0.001	5E-06	0.006973824	0.001327408	0.010036609	0.024823884	5E-06	20.81591797	1.70102E-05	0.000288819	0.000315903
2113 Jan	60.70801544	0.05886944	0.012328381	0.001	14.0373888	0.029648969	4.990888119	0.001	0.001	5E-06	0.006973946	0.001327506	0.010036563	0.024826977	5E-06	20.81843185	1.70102E-05	0.000288843	0.000315955
2113 Feb	60.71791458	0.058877636	0.012331484	0.001	14.04006195	0.029647825	4.991778851	0.001	0.001	5E-06	0.006973819	0.001327681	0.01003619	0.024832629	5E-06	20.82278061	1.70105E-05	0.000288892	0.000316059
2113 Mar	60.72330475	0.058882099	0.012333174	0.001	14.04152012	0.029647201	4.992263317	0.001	0.001	5E-06	0.00697375	0.001327776	0.010035988	0.024835706	5E-06	20.82514954	1.70107E-05	0.000288918	0.000316116
2113 Apr	60.72637939	0.058884647	0.012334137	0.001	14.04235077	0.029646846	4.992539883	0.001	0.001	5E-06	0.00697371	0.00132783	0.010035872	0.024837462	5E-06	20.82649994	1.70108E-05	0.000288933	0.000316149
2113 May	63.78800583	0.059944086	0.013424566	0.001	14.7943449	0.028637083	5.228891373	0.001	0.001	5E-06	0.006942435	0.001380666	0.009869858	0.026618546	5E-06	22.16641426	1.74546E-05	0.000305795	0.0003511
2113 Jun	68.8812027	0.059068672	0.015472282	0.001	15.91061211	0.025784623	5.552351952	0.001	0.001	5E-06	0.006904897	0.001466488	0.009502509	0.02964039	5E-06	24.38619995	1.87899E-05	0.000337038	0.000413773
2113 Jul	66.31326294	0.055348147	0.014748299	0.001	15.24764252	0.02629452	5.340190887	0.001	0.001	5E-06	0.006814463	0.001433678	0.009420888	0.028407454	5E-06	23.35763168	1.82009E-05	0.000321992	0.000390613
2113 Aug	64.58361053	0.053396676	0.014181352	0.001	14.86490154	0.027181968	5.222091675	0.001	0.001	5E-06	0.006713233	0.001412735	0.00944334	0.02755153	5E-06	22.67854309	1.74E-05	0.000310855	0.000372981
2113 Sep	63.06414413	0.056780174	0.013332135	0.001	14.6239748	0.028867144	5.173386574	0.001	0.001	5E-06	0.006785655	0.001382064	0.009715487	0.026476622	5E-06	21.96840096	1.68105E-05	0.000300149	0.00034844
2113 Oct	60.84067535	0.067118526	0.011786177	0.001	14.32265949	0.031860463	5.167191982	0.001	0.001	5E-06	0.007103737	0.001331585	0.01007442	0.024755422	5E-06	20.84245872	1.64746E-05	0.000281567	0.00030791
2113 Nov	60.16564178	0.070257194	0.011316831	0.001	14.2311821	0.032769214	5.165311337	0.001	0.001	5E-06	0.007200306	0.00131626	0.01018339	0.024232874	5E-06	20.50062943	1.63726E-05	0.000275926	0.000295606
2113 Dec	60.15891266	0.070288502	0.01131215	0.001	14.23026943	0.032778282	5.165292263	0.001	0.001	5E-06	0.007201269	0.001316107	0.010184477	0.024227662	5E-06	20.49721909	1.63716E-05	0.000275869	0.000295483
2114 Jan	60.16738129	0.07030382	0.011314227	0.001	14.23275566	0.03277912	5.166182041	0.001	0.001	5E-06	0.007201365	0.001316247	0.010184363	0.02423217	5E-06	20.5008316	1.63717E-05	0.000275906	0.000295561
2114 Feb	60.18123245	0.070313334	0.01131871	0.001	14.23644352	0.032777015	5.1673913	0.001	0.001	5E-06	0.007201151	0.001316492	0.010183822	0.024240127	5E-06	20.5069313	1.63723E-05	0.000275976	0.00029571
2114 Mar	60.18878555	0.070318513	0.011321153	0.001	14.23845387	0.032775864	5.168050766	0.001	0.001	5E-06	0.007201034	0.001316626	0.010183527	0.024244465	5E-06	20.51025581	1.63727E-05	0.000276014	0.000295791
2114 Apr	60.19309616	0.070321478	0.011322547	0.001	14.23960209	0.032775208	5.168426514	0.001	0.001	5E-06	0.007200967	0.001316702	0.010183359	0.024246942	5E-06	20.51215363	1.63728E-05	0.000276036	0.000295837
2114 May	64.60124969	0.070126727	0.013014171	0.001	15.27374363	0.030884326	5.476599216	0.001	0.001	5E-06	0.007123106	0.00139306	0.009926779	0.026852844	5E-06	22.45335197	1.70947E-05	0.000301788	0.000348266
2114 Jun	68.95367432	0.067139596	0.0149148	0.001	16.17406464	0.027958402	5.714472294	0.001	0.001	5E-06	0.007037906	0.001467173	0.00960031	0.029489936	5E-06	24.37030602	1.82686E-05	0.000330257	0.000404355
2114 Jul	67.27183533	0.064306863	0.014475899	0.001	15.71560478	0.028084381	5.56124115	0.001	0.001	5E-06	0.006986396	0.001444234	0.009554947	0.028670687	5E-06	23.68766212	1.80019E-05	0.000321222	0.000389554
2114 Aug	66.4240799	0.06322062	0.014204058	0.001	15.52537346	0.028496295	5.499375343	0.001	0.001	5E-06	0.006934136	0.001433275	0.009586086	0.02823855	5E-06	23.35169983	1.7606E-05	0.000316077	0.000380737
2114 Sep	64.23802185	0.065927938	0.013131108	0.001	15.12928581	0.030465346	5.397070885	0.001	0.001	5E-06	0.006982584	0.001391657	0.009923129	0.026779911	5E-06	22.3602581	1.67754E-05	0.000301868	0.00034851
2114 Oct	62.62277222	0.071645223	0.012132918	0.001	14.86789036	0.032249648	5.365511894	0.001	0.001	5E-06	0.007168865	0.00135708	0.010135124	0.025603862	5E-06	21.56718254	1.65575E-05	0.000289362	0.000321685
2114 Nov	61.38833237	0.07601463	0.011370054	0.001	14.66812038	0.033613294	5.341393471	0.001	0.001	5E-06	0.00731123	0.001330655	0.010297139	0.024705073	5E-06	20.96108055	1.63909E-05	0.000279805	0.000301185
2114 Dec	61.33769608	0.076193854	0.011338761	0.001	14.65992546	0.033669233	5.34040451	0.001	0.001	5E-06	0.007317069	0.001329571	0.010303784	0.024668204	5E-06	20.93621635	1.63841E-05	0.000279413	0.000300344
2115 Jan	61.34764099	0.07621035	0.011341305	0.001	14.66281223	0.033669908	5.34142828	0.001	0.001	5E-06	0.007317142	0.001329739	0.010303599	0.024673572	5E-06	20.94048309	1.63843E-05	0.000279457	0.000300438
2115 Feb	61.36439514	0.076220825	0.011346797	0.001	14.66724873	0.033667143	5.342875957	0.001	0.001	5E-06	0.007316855	0.001330036	0.010302911	0.024683243	5E-06	20.94787598	1.6385E-05	0.000279542	0.000300619
2115 Mar	61.37355042	0.076226547	0.011349799	0.001	14.66967392	0.033665635	5.34366703	0.001	0.001	5E-06	0.007316698	0.001330198	0.010302534	0.024688531	5E-06	20.95191765	1.63854E-05	0.000279588	0.000300719

Appendix D.2-7: SPW

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Apr	61.37876511	0.076229811	0.011351508	0.001	14.67105389	0.033664774	5.344117641	0.001	0.001	5E-06	0.007316609	0.001330291	0.01030232	0.024691539	5E-06	20.95421791	1.63857E-05	0.000279615	0.000300776
2115 May	65.72724915	0.075131498	0.013085002	0.001	15.66789532	0.031586953	5.634012222	0.001	0.001	5E-06	0.007219035	0.001406672	0.010020635	0.027301136	5E-06	22.88131332	1.71253E-05	0.000305527	0.000353887
2115 Jun	69.36412811	0.073057003	0.014628138	0.001	16.454813	0.029437123	5.850475311	0.001	0.001	5E-06	0.007130402	0.001470317	0.009753834	0.029513819	5E-06	24.49557114	1.79104E-05	0.000328363	0.000400094
2115 Jul	67.41290283	0.069523267	0.01411669	0.001	15.95371246	0.029830001	5.689002514	0.001	0.001	5E-06	0.007021263	0.001448535	0.009652632	0.028639426	5E-06	23.74170876	1.73249E-05	0.000316588	0.000383731
2115 Aug	63.28162384	0.063650489	0.012832799	0.001	15.00432777	0.031642947	5.370730877	0.001	0.001	5E-06	0.006763921	0.001393411	0.00983408	0.026514379	5E-06	22.09650421	1.54669E-05	0.00029255	0.00034096
2115 Sep	61.59864807	0.063107625	0.012153929	0.001	14.66973114	0.032865211	5.255045414	0.001	0.001	5E-06	0.00670459	0.001362474	0.010146197	0.025433451	5E-06	21.3649044	1.46042E-05	0.000283515	0.000317913
2115 Oct	61.12285614	0.065341912	0.011830318	0.001	14.59420013	0.033414129	5.249841213	0.001	0.001	5E-06	0.006785806	0.001351053	0.010214222	0.025061008	5E-06	21.11769867	1.46221E-05	0.000279737	0.000309413
2115 Nov	60.42146301	0.06863559	0.011353265	0.001	14.4828558	0.034223329	5.24216938	0.001	0.001	5E-06	0.006905531	0.001334217	0.010314501	0.024511969	5E-06	20.75327492	1.46485E-05	0.000274168	0.000296882
2115 Dec	60.37156296	0.068869911	0.011319326	0.001	14.47493458	0.034280896	5.241623402	0.001	0.001	5E-06	0.006914049	0.00133302	0.010321635	0.024472907	5E-06	20.72735023	1.46503E-05	0.000273771	0.00029599
2116 Jan	60.38299561	0.068891339	0.011322152	0.001	14.47821236	0.03428138	5.242800713	0.001	0.001	5E-06	0.006914303	0.001333204	0.010321422	0.024478938	5E-06	20.73216438	1.46513E-05	0.000273823	0.000296096
2116 Feb	60.40196228	0.068904713	0.011328301	0.001	14.48321819	0.034278151	5.24444294	0.001	0.001	5E-06	0.006914073	0.001333535	0.010320648	0.024489803	5E-06	20.74048424	1.46525E-05	0.000273919	0.000296301
2116 Mar	60.4122467	0.06891197	0.011331636	0.001	14.48593235	0.034276396	5.245333672	0.001	0.001	5E-06	0.006913949	0.001333715	0.010320228	0.024495697	5E-06	20.74499702	1.46532E-05	0.000273971	0.000296412
2116 Apr	60.41797256	0.068916008	0.011333493	0.001	14.48744392	0.03427542	5.245829105	0.001	0.001	5E-06	0.006913879	0.001333816	0.010319994	0.024498977	5E-06	20.7475071	1.46535E-05	0.000274	0.000296473
2116 May	63.86837387	0.068926983	0.012666333	0.001	15.27415085	0.032609202	5.479858875	0.001	0.001	5E-06	0.006885982	0.001392041	0.010101698	0.026524784	5E-06	22.25103188	1.54235E-05	0.000294548	0.000337748
2116 Jun	69.3797226	0.062901653	0.015329304	0.001	16.22156906	0.027257616	5.692230701	0.001	0.001	5E-06	0.00687599	0.001479667	0.009559792	0.029882893	5E-06	24.62760544	1.80247E-05	0.000334862	0.000413816
2116 Jul	67.07556915	0.059292633	0.01474814	0.001	15.52940655	0.026910365	5.449200153	0.001	0.001	5E-06	0.006894653	0.001439715	0.009571284	0.028633688	5E-06	23.62500763	1.81944E-05	0.000324934	0.000392498
2116 Aug	66.2098999	0.058626454	0.014428107	0.001	15.35351086	0.02749606	5.390937328	0.001	0.001	5E-06	0.006846087	0.001426567	0.009670956	0.028137775	5E-06	23.2689209	1.77187E-05	0.000319819	0.000381952
2116 Sep	63.94942856	0.063706622	0.013184369	0.001	14.9756403	0.029837759	5.317713737	0.001	0.001	5E-06	0.006974412	0.001382221	0.009996279	0.026580902	5E-06	22.21539307	1.70061E-05	0.000303554	0.00034672
2116 Oct	61.62574387	0.072517008	0.011706556	0.001	14.61890793	0.032575537	5.285624981	0.001	0.001	5E-06	0.00724988	0.001333067	0.010294884	0.024887037	5E-06	21.07505035	1.66439E-05	0.000284856	0.000307588
2116 Nov	61.30602264	0.073729262	0.011503219	0.001	14.56982327	0.032952234	5.281209469	0.001	0.001	5E-06	0.007287783	0.001326304	0.01033597	0.024653971	5E-06	20.91814804	1.6594E-05	0.000282283	0.000302204
2116 Dec	61.30088043	0.07374876	0.011499949	0.001	14.56903458	0.032958291	5.281138897	0.001	0.001	5E-06	0.007288393	0.001326195	0.01033663	0.024650224	5E-06	20.91562653	1.65932E-05	0.000282242	0.000302117
2117 Jan	61.30792236	0.073761135	0.011501699	0.001	14.57110119	0.032958977	5.281879425	0.001	0.001	5E-06	0.007288452	0.001326315	0.010336491	0.024654021	5E-06	20.91864586	1.65933E-05	0.000282272	0.000302183
2117 Feb	61.31978226	0.073768899	0.011505563	0.001	14.57425404	0.032957122	5.282912254	0.001	0.001	5E-06	0.007288253	0.001326525	0.010335999	0.024660869	5E-06	20.92388153	1.65938E-05	0.000282332	0.000302312
2117 Mar	61.32626343	0.073773138	0.011507673	0.001	14.57597542	0.032956112	5.28347683	0.001	0.001	5E-06	0.007288145	0.001326641	0.01033573	0.024664609	5E-06	20.92674065	1.65941E-05	0.000282365	0.000302382
2117 Apr	61.32995224	0.073775552	0.011508876	0.001	14.57695675	0.032955535	5.283798218	0.001	0.001	5E-06	0.007288083	0.001326706	0.010335577	0.024666738	5E-06	20.92836761	1.65942E-05	0.000282383	0.000302422
2117 May	64.27209473	0.073285863	0.012663573	0.001	15.2599287	0.031624969	5.485800743	0.001	0.001	5E-06	0.007225108	0.001378665	0.010141904	0.026431905	5E-06	22.23265648	1.70724E-05	0.000299601	0.000338126
2117 Jun	68.53803253	0.069738634	0.014568627	0.001	16.13399506	0.028672818	5.715022564	0.001	0.001	5E-06	0.007117707	0.001453595	0.009776843	0.029069969	5E-06	24.1307354	1.81854E-05	0.000327376	0.000394405
2117 Jul	66.73434448	0.066546477	0.014099018	0.001	15.65758133	0.028929234	5.559026718	0.001	0.001	5E-06	0.007036159	0.001431648	0.009698929	0.02823443	5E-06	23.41944504	1.77575E-05	0.000316997	0.000379041
2117 Aug	65.19295502	0.064434133	0.013613106	0.001	15.30957699	0.029657902	5.444584846	0.001	0.001	5E-06	0.006936626	0.001411823	0.009755888	0.027452266	5E-06	22.81038475	1.70306E-05	0.000307731	0.000363142
2117 Sep	64.39948273	0.065624356	0.013212377	0.001	15.1670742	0.030387094	5.409593105	0.001	0.001	5E-06	0.006963208	0.001396422	0.00987728	0.026916025	5E-06	22.446558	1.67549E-05	0.000302486	0.000351262
2117 Oct	63.14974213	0.070022769	0.012441798	0.001	14.96373367	0.031758241	5.384296417	0.001	0.001	5E-06	0.007107407	0.001369547	0.010043617	0.026004355	5E-06	21.83228493	1.65902E-05	0.00029287	0.0003305
2117 Nov	62.80326843	0.071242154	0.012228169	0.001	14.90736198	0.032138374	5.377283573	0.001	0.001	5E-06	0.007147384	0.001362096	0.010089732	0.025751611	5E-06	21.66198921	1.65446E-05	0.000290204	0.000324745
2117 Dec	62.78150558	0.071318768	0.012214744	0.001	14.90382004	0.032162257	5.376843452	0.001	0.001	5E-06	0.007149896	0.001361628	0.010092629	0.025735732	5E-06	21.65128899	1.65417E-05	0.000290036	0.000324383
2118 Jan	62.79089355	0.071337223	0.012216947	0.001	14.90661621	0.032163531	5.377854824	0.001	0.001	5E-06	0.007150034	0.001361783	0.010092527	0.025740687	5E-06	21.65527916	1.65418E-05	0.000290076	0.000324467
2118 Feb	62.80739594	0.071348712	0.012222274	0.001	14.9110136	0.032161068	5.379298687	0.001	0.001	5E-06	0.007149781	0.001362074	0.010091878	0.025750166	5E-06	21.66254616	1.65425E-05	0.000290159	0.000324645
2118 Mar	62.81639481	0.071354978	0.012225181	0.001	14.91341209	0.032159723	5.380085945	0.001	0.001	5E-06	0.007149643	0.001362233	0.010091526	0.025755337	5E-06	21.66650963	1.65429E-05	0.000290204	0.000324742
2118 Apr	63.38670731	0.071751922	0.012409305	0.001	15.06538296	0.032074511	5.429979801	0.001	0.001	5E-06	0.007140886	0.001372309	0.010069162	0.026082903	5E-06	21.91761589	1.65672E-05	0.000293076	0.000330875
2118 May	70.09729004	0.071739353	0.014963213	0.001	16.64993095	0.029286537	5.905640125	0.001	0.001	5E-06	0.007025132	0.001488779	0.009678938	0.03004705	5E-06	24.87286186	1.76352E-05	0.000331949	0.000410367
2118 Jun	74.31898499	0.067060828	0.016956287	0.001	17.44372368	0.025752049	6.093772888	0.001	0.001	5E-06	0.00693963	0.001559978	0.00930672	0.032650463	5E-06	26.73264313	1.9088E-05	0.000361473	0.000467678
2118 Jul	72.70760345	0.064704724	0.016517946	0.001	16.99834442	0.025831249	5.943844318	0.001	0.001	5E-06	0.006916701	0.001535559	0.00929536	0.031820033	5E-06	26.05854416	1.89383E-05	0.000353249	0.000452708
2118 Aug	69.31109619	0.061674997	0.0153291	0.001	16.25824356	0.027700379	5.700582504	0.001	0.001	5E-06	0.006756364	0.00148487	0.009576397	0.029931877	5E-06	24.66114998	1.73952E-05	0.000333435	0.000413659
2118 Sep	65.36941528	0.067848839	0.013358428	0.001	15.51701069	0.031045612	5.523151875	0.001	0.001	5E-06	0.006934603	0.00140875	0.01008158	0.027302928	5E-06	22.84592056	1.63351E-05	0.000307178	0.000356076
2118 Oct	63.01012039	0.075221352	0.011978338	0.001	15.10141754	0.03334967	5.459887981	0.001	0.001	5E-06	0.007193071	0.001359422	0.010340547	0.025634799	5E-06	21.69905663	1.61146E-05	0.000289482	0.000318748
2118 Nov	62.48663712	0.076857179	0.011672121	0.001	15.00920582	0.0338609	5.445850849	0.001	0.001	5E-06	0.00725042	0.001348477	0.010398007	0.025264669	5E-06	21.44458771	1.60657E-05	0.000285555	0.000310465
2118 Dec	62.47787857	0.076884545	0.011666999	0.001	15.00766373	0.033869453	5.445616245	0.001	0.001	5E-06	0.00725138	0.001348294	0.010398969	0.02525848	5E-06	21.44033051	1.60649E-05	0.000285489	0.000310327
2119 Jan	62.4856987	0.076897897	0.011668987	0.001	15.00992775	0.033869948	5.446424961	0.001	0.001	5E-06	0.007251461	0.001348426	0.010398785	0.025262706	5E-06	21.4436779	1.60652E-05	0.000285524	0.000310401
2119 Feb	62.49929047	0.076906398	0.01167345	0.001	15.01351833	0.033867639	5.447598457	0.001	0.001	5E-06	0.007251236	0.001348668	0.010398203	0.025270564	5E-06	21.44967651	1.60658E-05	0.000285593	0.000310549
2119 Mar	62.5067215	0.076911047	0.011675891	0.001	15.0154829	0.033866379	5.44824028	0.001	0.001	5E-06	0.007251113	0.0013488	0.010397885	0.025274862	5E-06	21.45295525	1.60662E-05	0.00028563	0.000310629
2119 Apr	64.7858963	0.078336366	0.012424248	0.001	15.61766338	0.033479523	5.644975185	0.001	0.001	5E-06	0.007213418	0.001389286	0.010300298	0.026592383	5E-06	22.45862198	1.61759E-05	0.000297191	0.000335442
2119 May	78.91838837	0.081060149	0.017565846	0.001	19.09651184	0.028837243	6.726224422	0.001	0.001	5E-06	0.006949975	0.001639319	0.009507036	0.034932386	5E-06	28.70762253	1.77976E-05	0.000374983	0.000499139
2119 Jun	77.39156342	0.074984446	0.017484333	0.001	18.47945976	0.027217364	6.478308201	0.001	0.001	5E-06	0.006950342	0.001611349	0.009414819	0.034192525	5E-06	28.04494476	1.85123E-05	0.000372357	0.000490762
2119 Jul	75.06777191	0.071375333	0.016887188	0.001	17.79579926	0.026986878	6.239808083	0.001	0.001	5E-06	0.00695447	0.001572185	0.00942589	0.032944877	5E-06	27.04317474	1.85776E-05	0.000361945	0.000469166
2119 Aug	72.36685944	0.068802491	0.015956836	0.001	17.19304466	0.028353885	6.036719799	0.001	0.001	5E-06	0.006835824	0.00153018	0.009672998	0.031418964	5E-06	25.92084312	1.74305E-05	0.000346856	0.000437977
2119 Sep	69.17005157	0.070162393	0.014590307	0.001	16.52873039	0.030470008	5.842430115	0.001	0.001	5E-06	0.006865787	0.001472377	0.010043284	0.029412704	5E-06	24.50222015	1.64391E-05	0.000327594	0.000395564
2119 Oct	67.16648102	0.074851662	0.013528096	0.001	16.13789368	0.032079332	5.764629841	0.001	0.001	5E-06	0.007046791	0.00143224	0.010221242	0.028060038	5E-06	23.54944611	1.62797E-05	0.000313462	0.00036615
2119 Nov	66.39469147	0.076657966	0.013118931	0.001	15.98734188	0.03269925	5.734660625	0.001	0.001	5E-06	0.007116514	0.00141678	0.010289791	0.027538991	5E-06	23.1824379	1.62183E-05	0.000308018	0.00035482
2119 Dec	66.38571167	0.076678999	0.013114166	0.001	15.98558903	0.032706462	5.734312057	0.001	0.001	5E-06	0.007117325	0.0014166	0.010290589	0.027532924	5E-06	23.17816544	1.62176E-05	0.000307955	0.000354688

Appendix D.2-7: SPW

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	4.3E-07	7.2E-05	2.0E-09	8.5E-04	1.8E-03	4.3E-05	3.7E-07	7.6E-03	8.6E-07	3.9E-06	1.9E-07	8.8E-08	2.9E-08	9.1E-05	5.4E-10	1.0E-07	5.2E-07	4.2E-07	8.0E-08
Operations (2020-2043): Mean	2.5E-03	8.2E-02	1.1E-05	1.5E+02	4.1E+01	1.7E-01	2.2E-02	4.7E+03	2.7E-02	4.6E-02	1.6E-04	1.0E-02	2.1E-03	1.3E+01	4.3E-05	1.5E-03	5.7E-03	1.6E-02	8.6E-02
Operations (2020-2043): Max	3.6E-03	1.8E-01	1.3E-05	3.3E+02	8.8E+01	2.5E-01	4.6E-02	1.1E+04	4.7E-02	6.4E-02	6.7E-04	2.3E-02	4.6E-03	3.0E+01	7.6E-05	5.4E-03	1.2E-02	3.6E-02	2.0E-01
Active Closure (2044-2050): Min	7.1E-04	8.8E-02	1.0E-05	1.0E+00	1.5E+00	1.7E-02	2.0E-04	4.1E+00	1.0E-03	9.4E-03	5.5E-05	1.5E-04	4.8E-05	6.4E-02	2.0E-06	5.7E-05	3.9E-04	1.7E-03	1.4E-05
Active Closure (2044-2050): Mean	8.7E-04	9.7E-02	1.0E-05	5.2E+00	3.0E+00	3.0E-02	1.0E-03	1.2E+02	2.2E-03	1.2E-02	1.5E-04	4.6E-04	1.1E-04	4.0E-01	4.7E-06	2.0E-04	6.0E-04	2.1E-03	2.1E-03
Active Closure (2044-2050): Max	1.9E-03	1.3E-01	1.1E-05	4.0E+01	1.4E+01	8.9E-02	7.5E-03	1.1E+03	1.1E-02	2.9E-02	3.5E-04	2.9E-03	6.4E-04	3.2E+00	2.7E-05	1.4E-03	1.8E-03	5.3E-03	2.0E-02
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	7.4E-04	9.3E-02	1.0E-05	1.0E+00	1.5E+00	1.9E-02	1.7E-04	3.5E+00	1.0E-03	9.5E-03	1.3E-04	9.0E-05	4.9E-05	6.5E-02	2.0E-06	5.7E-05	4.0E-04	1.4E-03	2.1E-35
Post Closure (2051-2119): Mean	9.6E-04	1.4E-01	1.0E-05	1.4E+00	2.6E+00	4.7E-02	2.9E-04	4.9E+00	1.3E-03	1.0E-02	3.8E-04	1.5E-04	7.4E-05	1.0E-01	2.0E-06	6.9E-05	6.5E-04	1.6E-03	2.0E-07
Post Closure (2051-2119): Max	1.2E-03	1.9E-01	1.0E-05	1.8E+00	3.8E+00	8.1E-02	3.9E-04	6.7E+00	1.6E-03	1.1E-02	6.4E-04	2.1E-04	1.0E-04	1.5E-01	2.0E-06	7.8E-05	9.6E-04	1.9E-03	1.4E-05
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	4.27394E-07	7.20094E-05	2.04625E-09	0.000851915	0.00180684	4.26341E-05	3.65154E-07	0.007584584	8.63855E-07	3.89215E-06	1.85954E-07	8.77448E-08	2.8739E-08	9.05836E-05	5.36877E-10	9.97508E-08	5.23518E-07	4.16239E-07	7.97669E-08
2031 Feb	2.04918E-06	0.000345255	9.81091E-09	0.004084578	0.008663051	0.000204413	1.75076E-06	0.036364947	4.14183E-06	1.86612E-05	8.9157E-07	4.207E-07	1.37792E-07	0.000434311	2.5741E-09	4.78264E-07	2.51005E-06	1.99569E-06	3.8245E-07
2031 Mar	3.91122E-06	0.000658981	1.87259E-08	0.007796135	0.016534954	0.000390158	3.34164E-06	0.069408886	7.90541E-06	3.56182E-05	1.70172E-06	8.0298E-07	2.62999E-07	0.000828959	4.91313E-09	9.12851E-07	4.79088E-06	3.80913E-06	7.29972E-07
2031 Apr	5.5144E-06	0.000929091	2.64014E-08	0.010991709	0.0233125	0.00055008	4.71135E-06	0.09785904	1.11458E-05	5.02179E-05	2.39924E-06	1.13212E-06	3.70801E-07	0.001168742	6.92698E-09	1.28702E-06	6.75462E-06	5.37046E-06	1.02918E-06
2031 May	0.000434066	0.053512439	2.58015E-06	1.688652277	1.901873708	0.040103395	0.000707411	26.10465813	0.001079488	0.007176508	0.000225106	0.000132126	4.69087E-05	0.168533713	5.47997E-06	0.000158575	0.00045358	0.00063208	0.000155884
2031 Jun	0.001307623	0.126821652	9.73269E-06	5.725996494	5.417446613	0.103084862	0.002613149	95.53771973	0.003663504	0.025743138	0.000424721	0.000497922	0.000133375	0.567471981	2.05643E-05	0.000584667	0.001306869	0.002522405	0.000586787
2031 Jul	0.001345559	0.095516033	9.98244E-06	7.474236488	5.744689465	0.102479018	0.003230281	133.4242859	0.003941575	0.031734269	0.000233973	0.000525984	0.000140078	0.729986966	3.09478E-05	0.000673721	0.001063073	0.002575358	0.000715331
2031 Aug	0.001738361	0.075330153	1.00253E-05	13.4410696	8.660253525	0.154920757	0.005121551	249.7660522	0.005091995	0.05025918	0.000125189	0.000580544	0.000211154	1.291333914	6.234E-05	0.000931304	0.000742094	0.002436593	0.001078342
2031 Sep	0.001731315	0.076140806	1.0114E-05	11.57850647	7.84380722	0.13029927	0.004764918	212.7033386	0.004713241	0.045526966	6.02533E-05	0.000487224	0.000182178	1.115695238	5.21509E-05	0.000870626	0.00072675	0.002176058	0.000964205
2031 Oct	0.001595228	0.083947673	1.0071E-05	8.157094002	6.162589073	0.092964835	0.003808727	146.3074036	0.003999033	0.035599437	5.17125E-05	0.000393237	0.000134513	0.793726683	3.41825E-05	0.000732041	0.000772284	0.001966049	0.000755762
2031 Nov	0.001585226	0.083931684	1.0055E-05	8.009181023	6.083760738	0.091365688	0.0037636	143.458725	0.003965003	0.03512311	5.14753E-05	0.000389097	0.000132574	0.779735088	3.34207E-05	0.000725208	0.000771931	0.001955478	0.000746412
2031 Dec	0.001583267	0.083956651	1.00546E-05	7.974833488	6.066096783	0.09099631	0.003753594	142.7932587	0.00395789	0.035015646	5.14364E-05	0.000388199	0.000132136	0.776493847	3.32409E-05	0.00072375	0.000772117	0.001953542	0.00074433
2032 Jan	0.001583233	0.084326081	1.00544E-05	7.957315922	6.063415527	0.091020554	0.003747298	142.4107971	0.003955627	0.0349553	5.25742E-05	0.000387923	0.000131989	0.774873734	3.3135E-05	0.000722895	0.000774565	0.001952937	0.000743092
2032 Feb	0.001584135	0.084819838	1.00543E-05	7.950261116	6.068388939	0.091235079	0.003743513	142.2147064	0.003955909	0.034925476	5.41487E-05	0.000387973	0.000132003	0.774248421	3.3079E-05	0.000722415	0.000777775	0.001953024	0.000742395
2032 Mar	0.001584604	0.085086718	1.00543E-05	7.946415901	6.070998192	0.09134984	0.00374137	142.1076965	0.003955935	0.034909099	5.49964E-05	0.000387984	0.00013201	0.773903072	3.3049E-05	0.000722128	0.000779461	0.001953034	0.000741992

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.001584855	0.085235029	1.00543E-05	7.944260597	6.072404385	0.091412954	0.003740126	142.0476532	0.003955882	0.034899857	5.54658E-05	0.000387982	0.000132013	0.773707151	3.30324E-05	0.000721953	0.000780371	0.001953019	0.000741753
2032 May	0.001618995	0.087166585	1.01208E-05	8.963745117	6.27042675	0.094529107	0.003830875	157.8335876	0.00437148	0.035268325	7.04781E-05	0.000425344	0.000140462	0.790190041	3.36932E-05	0.000834389	0.000817677	0.001990968	0.000953686
2032 Jun	0.001235355	0.088151813	1.02677E-05	9.327238083	4.923363686	0.079701252	0.002675687	153.9727478	0.004569575	0.026451778	0.000168006	0.000559776	0.000135459	0.578087986	2.47162E-05	0.000916344	0.000957503	0.002527916	0.00130849
2032 Jul	0.001528397	0.079778671	1.05787E-05	15.64455032	6.853567123	0.112174034	0.003871231	265.636322	0.006383979	0.037392803	0.00012736	0.000705967	0.00019397	0.920002937	4.38808E-05	0.001390827	0.000827105	0.002580595	0.002158042
2032 Aug	0.002254802	0.066752478	1.20594E-05	36.82965088	10.37561226	0.142963856	0.006211627	596.4768677	0.014940972	0.045194421	8.16519E-05	0.001322539	0.000349649	1.249841452	5.75944E-05	0.003778293	0.001080636	0.00268541	0.006611766
2032 Sep	0.002253043	0.069756486	1.16636E-05	34.26860428	10.53817177	0.150899336	0.006223099	561.0546875	0.013494262	0.048777536	6.5156E-05	0.001195526	0.0003357	1.32444942	6.2802E-05	0.003369795	0.000961294	0.002560447	0.005824748
2032 Oct	0.002285841	0.077010706	1.17046E-05	34.12943649	10.32944393	0.143973917	0.006060328	556.0126343	0.013497309	0.04762473	6.39637E-05	0.001186256	0.000326592	1.267540812	5.97925E-05	0.003392099	0.00098409	0.002513346	0.005880329
2032 Nov	0.002569798	0.077765115	1.25637E-05	44.81075668	11.21722126	0.140266612	0.006714332	715.097229	0.018324684	0.045490164	7.41655E-05	0.001578707	0.00038848	1.246578932	5.60264E-05	0.004770853	0.001305336	0.002762774	0.008497647
2032 Dec	0.002678877	0.078900538	1.29692E-05	49.46588516	11.40255356	0.133580163	0.006873336	782.3220825	0.020501185	0.043092478	7.79865E-05	0.001750052	0.00041206	1.193866134	5.20292E-05	0.005402365	0.001448978	0.002846247	0.009711932
2033 Jan	0.002670279	0.07972987	1.29503E-05	49.16033173	11.35595989	0.133256838	0.006831679	777.324707	0.020380354	0.042888418	8.00004E-05	0.001739486	0.000409879	1.187057137	5.16946E-05	0.005368388	0.001445896	0.002836133	0.009649828
2033 Feb	0.00266762	0.080766395	1.29401E-05	49.00215912	11.34465122	0.133504495	0.006809115	774.6848145	0.020318978	0.042788696	8.30243E-05	0.001734275	0.000408913	1.184033036	5.15231E-05	0.005350202	0.001448154	0.002831693	0.009616517
2033 Mar	0.002666178	0.081328444	1.29346E-05	48.91639328	11.33852005	0.133638784	0.00679688	773.2532349	0.020285696	0.042734623	8.4664E-05	0.001731449	0.000408389	1.182393193	5.14301E-05	0.005340341	0.001449379	0.002829285	0.009598454
2033 Apr	0.00266536	0.081647158	1.29314E-05	48.8677597	11.335042	0.133714929	0.006789941	772.4415283	0.020266823	0.04270396	8.55938E-05	0.001729847	0.000408092	1.181463242	5.13773E-05	0.005334749	0.001450073	0.00282792	0.009588212
2033 May	0.00251995	0.141786397	1.24036E-05	39.28713608	9.99774456	0.143004626	0.004895636	607.9257813	0.017703695	0.032425422	0.000449947	0.001447016	0.000370182	0.864856601	3.47754E-05	0.003778925	0.001768302	0.002716989	0.007774439
2033 Jun	0.002001112	0.175458506	1.11073E-05	22.0138588	8.25445652	0.153534248	0.003067411	339.6181641	0.010285172	0.029646244	0.000666636	0.000879795	0.000277312	0.740325868	3.18015E-05	0.001564265	0.001549633	0.002524012	0.003769557
2033 Jul	0.00230641	0.133718893	1.15614E-05	29.44100189	9.515108109	0.165221632	0.00433516	469.9978333	0.013339779	0.039157812	0.000426222	0.001075681	0.0003285	1.017768502	4.81934E-05	0.001949898	0.00140108	0.00264815	0.005044465
2033 Aug	0.003272134	0.092946045	1.28156E-05	51.18265152	13.57066441	0.219736695	0.007174808	826.6689453	0.023329804	0.056081507	0.000226593	0.001748316	0.000502444	1.5541116	7.59314E-05	0.003315265	0.001789166	0.003196511	0.009266727
2033 Sep	0.002787301	0.084224291	1.25334E-05	40.66149521	9.668131828	0.133369133	0.005168144	639.8308105	0.019676073	0.037249468	6.15217E-05	0.001366926	0.000377888	0.930884242	4.29492E-05	0.002708521	0.00151316	0.002526719	0.007888337
2033 Oct	0.002806185	0.085167319	1.25145E-05	41.18817902	9.38794899	0.125150591	0.005016241	644.4241333	0.02021441	0.034789257	5.56408E-05	0.001389631	0.000375056	0.853932559	3.8504E-05	0.002768608	0.001574588	0.002495043	0.008157882
2033 Nov	0.002605414	0.086183868	1.22428E-05	36.78965378	8.526252747	0.111721613	0.004511524	573.8204956	0.018127866	0.031995624	5.15689E-05	0.00123977	0.000337856	0.761406481	3.41044E-05	0.002476022	0.001426291	0.00233986	0.007274881
2033 Dec	0.00260321	0.086196147	1.224E-05	36.74181366	8.516328812	0.111562312	0.004505712	573.046814	0.018105598	0.031960983	5.15238E-05	0.001238149	0.000337444	0.760274351	3.40495E-05	0.002472874	0.001424732	0.00233813	0.007265508
2034 Jan	0.002607528	0.086079687	1.22069E-05	41.6378746	9.823973656	0.113588825	0.005130902	740.5603027	0.018531308	0.032413565	5.38748E-05	0.00156558	0.000401656	1.233968735	3.42404E-05	0.002438709	0.00158843	0.002857781	0.010449485
2034 Feb	0.002617637	0.085788876	1.21472E-05	50.97135162	12.31190681	0.117525443	0.006322022	1059.060669	0.019360853	0.03329828	5.81813E-05	0.002188237	0.00052383	2.133374691	3.46446E-05	0.002377013	0.001900158	0.003845033	0.01649872
2034 Mar	0.002627348	0.085453197	1.20911E-05	59.81087494	14.66642857	0.121231586	0.007450092	1360.585938	0.020149076	0.03413922	6.20705E-05	0.00277769	0.000639491	2.984611511	3.50336E-05	0.002319117	0.002195019	0.004779472	0.022224849
2034 Apr	0.002636957	0.085090935	1.20364E-05	68.48986816	16.97724724	0.124858417	0.008557671	1656.570801	0.020924384	0.034966536	6.57865E-05	0.003356302	0.000753026	3.820080757	3.5419E-05	0.002262561	0.002484326	0.005696636	0.027845386
2034 May	0.002564951	0.098885655	1.18687E-05	70.11366272	17.83338165	0.130389616	0.008763782	1749.421265	0.02026549	0.034230445	0.000157663	0.003550429	0.000792487	4.15377903	3.38971E-05	0.002093815	0.002639565	0.006087971	0.029805953
2034 Jun	0.001935832	0.148346156	1.0902E-05	37.63731384	11.90707397	0.135107175	0.005081741	909.4985962	0.011236183	0.029609807	0.000481344	0.001938117	0.000476178	2.350917101	2.97093E-05	0.001168241	0.00188861	0.004138446	0.014831812
2034 Jul	0.002431519	0.120412886	1.17561E-05	64.11824799	17.22149467	0.158333153	0.008253621	1591.724976	0.018461624	0.038165566	0.000343458	0.003283204	0.000749179	3.943983078	4.23633E-05	0.001982828	0.002575149	0.005983223	0.026501754
2034 Aug	0.002960261	0.086365424	1.21031E-05	117.1749802	30.54928017	0.206383511	0.015327764	3204.178711	0.02711162	0.053763069	0.000197029	0.006384361	0.001386115	8.322747231	6.36022E-05	0.002484809	0.004041941	0.010607301	0.055541433
2034 Sep	0.003061084	0.082600728	1.2809E-05	70.53725433	16.46714592	0.159132615	0.008788699	1537.943237	0.025239585	0.043651477	7.85026E-05	0.003143566	0.00073187	3.308744192	5.05322E-05	0.003199815	0.002539361	0.00520547	0.024200549
2034 Oct	0.002940181	0.084573045	1.28472E-05	58.58764267	12.30083466	0.124835119	0.006686052	1145.658081	0.02441881	0.033902012	6.37794E-05	0.002408842	0.000566328	2.032788038	3.54748E-05	0.003251829	0.002240724	0.003937901	0.017526755
2034 Nov	0.003004798	0.083845951	1.28415E-05	76.78666687	16.89217758	0.131346762	0.008893271	1743.584839	0.02662204	0.034934923	7.1687E-05	0.003587276	0.000796734	3.658321857	3.51853E-05	0.003228207	0.002864204	0.005765596	0.02886628
2034 Dec	0.003002085	0.083173469	1.2697E-05	92.52133942	21.19530487	0.137536764	0.010936391	2290.744141	0.02776517	0.036428336	7.80356E-05	0.004653809	0.001005954	5.223496914	3.58333E-05	0.003071585	0.003383333	0.007471473	0.039294455
2035 Jan	0.003002332	0.082465939	1.25197E-05	112.3882141	26.62532425	0.145645827	0.013514682	2980.210449	0.029238131	0.038355131	8.66E-05	0.005998038	0.001269795	7.194113255	3.67226E-05	0.002879807	0.004039803	0.009620171	0.052427012
2035 Feb	0.003001548	0.081716597	1.2325E-05	133.8549805	32.50067902	0.154461205	0.016303897	3725.817139	0.030813957	0.040458415	9.59055E-05	0.00745146	0.001555106	9.32691288	3.77167E-05	0.002669648	0.004748787	0.011944544	0.066629119
2035 Mar	0.003001051	0.080988757	1.21589E-05	152.242691	37.53058624	0.161979392	0.018692987	4364.313965	0.032167558	0.042264305	0.000103606	0.008696062	0.001799427	11.15300941	3.85771E-05	0.002490389	0.005355575	0.013934738	0.078790046
2035 Apr	0.003000774	0.080292217	1.20107E-05	168.7123566	42.03409958	0.168697551	0.020832723	4936.083984	0.033382792	0.043883897	0.000110363	0.009810594	0.002018215	12.78802395	3.93522E-05	0.002330414	0.005898815	0.015716763	0.08967945
2035 May	0.002956537	0.085827217	1.18458E-05	175.4038239	44.18199158	0.17405051	0.021751784	5192.02832	0.03329774	0.044420198	0.000151656	0.010311717	0.00211767	13.57063293	3.93892E-05	0.002160487	0.006152573	0.016566977	0.094644368
2035 Jun	0.001682491	0.121897586	1.05415E-05	56.71047974	16.78092384	0.125100195	0.007647957	1621.369141	0.011535945	0.030969124	0.000354974	0.00333579	0.000730106	4.454845905	3.07069E-05	0.000843908	0.002401999	0.006537944	0.028526269
2035 Jul	0.001800412	0.105791956	1.0659E-05	71.83757782	20.68781471	0.137065604	0.009778273	2090.334961	0.013606815	0.036558062	0.000273499	0.0042356	0.000910992	5.763881207	3.87748E-05	0.0009664	0.002749065	0.007927121	0.036916077
2035 Aug	0.002912885	0.068611734	1.21827E-05	97.7301712	25.7759552	0.200113088	0.01319426	2507.074707	0.024961023	0.054390896	0.000111161	0.005003974	0.001118613	6.354129314	6.81688E-05	0.003007764	0.003153128	0.008337528	0.041975092
2035 Sep	0.003021753	0.082399108	1.31281E-05	73.81443787	16.96590614	0.13724646	0.008850494	1606.306641	0.025603268	0.037048489	7.5179E-05	0.003330349	0.000747837	3.266129494	3.95523E-05	0.003721367	0.002580778	0.00533349	0.026005639
2035 Oct	0.002758864	0.084479243	1.24214E-05	80.32406616	19.76816368	0.133968785	0.010065809	1972.183228	0.023069484	0.037893027	7.43512E-05	0.004001538	0.000876186	4.585989952	3.92668E-05	0.002968056	0.002785177	0.006600486	0.033420015
2035 Nov	0.002809495	0.08310806	1.23579E-05	88.89625549	21.99791336	0.14109996	0.011163561	2245.730957	0.024211522	0.039471652	7.83902E-05	0.004537827	0.000983568	5.338443756	4.11074E-05	0.002990185	0.003065995	0.00742577	0.038481824
2035 Dec	0.002818557	0.082197078	1.21822E-05	110.9117432	27.88235664	0.1491891	0.013967685	3005.748535	0.026048241	0.04125303	8.71149E-05	0.006021487	0.001274451	7.494046211	4.15158E-05	0.002777872	0.003807543	0.009788389	0.052969702
2036 Jan	0.002837313	0.081004664	1.19337E-05	142.3010712	36.28591919	0.161607623	0.018014986	4088.297363	0.028721562	0.044001512	0.000100312	0.008155056	0.00169322	10.566082	4.24112E-05	0.002479501	0.0048751	0.013185767	0.073588818
2036 Feb	0.002859283	0.079687282	1.16632E-05	176.5484619	45.45431519	0.175332233	0.022453729	5269.20752	0.031664226	0.04704161	0.000114799	0.010493734	0.002152313	13.91715717	4.34384E-05	0.002154985	0.006045628	0.016909238	0.096079335
2036 Mar	0.002876097	0.078609213	1.146E-05	202.3778076	52.3665123	0.185654789	0.025801338	6159.642578	0.033887658	0.049339529	0.000125462	0.012257111	0.002498474	16.44357109	4.42235E-05	0.0019113	0.006927869	0.019716475	0.113036558
2036 Apr	0.002897614	0.078242563	1.13143E-05	222.58284	57.78326035	0.194339946	0.028417803	6852.823242	0.035676025	0.051180296	0.000135565	0.013631247	0.002768422	18.40513611	4.49145E-05	0.001738163	0.007619151	0.021899918	0.126225114
2036 May	0.002921125	0.079228692	1.12172E-05	237.1952057	61.74382019	0.201765135	0.030311842	7351.647949	0.03698783	0.052560043	0.000149194	0.014622685	0.002963606	19.81421852	4.54936E-05	0.001626261	0.008124726	0.023474231	0.135707259
2036 Jun	0.00209308	0.089448042	1.09041E-05	124.5444946	33.58337021	0.144515097	0.016212629	3755.313721	0.021008993	0.038417771	0.00019469	0.007583066	0.001557507	10.1039753	3.5913E-05	0.001319577	0.004447056	0.012939036	0.068436906
2036 Jul	0.002090194	0.083538868	1.08756E-05	119.5407867	32.86935043	0.152108282	0.015948847	3597.462402	0.019837217	0.042190306	0.000165188	0.007247739	0.001500066	9.776612282	4.31365E-05	0.001288542	0.004141062	0.012449588	0.065115266
2036 Aug	0.002919089	0.072507642	1.12066E-05	239.6763	64.25114441	0.231229201	0.031472731	7446.479004	0.03555629	0.06092415	0.000163718	0.014824106	0.003021894	20.29596901	6.02671E-05	0.001581363	0.00801096	0.023981024	0.136882037
2036 Sep	0.003625035	0.07386373	1.31051E-05	162.0158081	43.34284973	0.222805768	0.021225018	4415.547363	0.033980355	0.056817088	0.000127396	0.008925366	0.001873423	11.05150986	6.31897E-05	0.004232913	0.005135775	0.014024614	0.078019544
2036 Oct	0.002518022	0.083231382	1.1585E-05	128.5108032	34.42856216	0.134987131	0.016670741	3739.940674	0.023440596	0.037449479	9.4244E-05	0.007522451	0.001553334	9.705793381	3.25805E-05	0.002160155	0.004292761	0.012280605	0.067957379
2036 Nov	0.002884732	0.07968723	1.17692E-05	181.673172	48.06587219	0.171576455	0.023369133	5419.072266	0.030923631	0.044980954	0.000120718	0.010868559	0.002218434	14.22952938	3.94501E-05	0.002413875	0.006071963	0.017420016	0.099223778
2036 Dec	0.002936016	0.078120597	1.15673E-05	212.8085632	56.18221283	0.18627806	0.027354354	6480.052734	0.034047849	0.048359945	0.000133239	0.012961982	0.002631163	17.2293911	4.14671E-05	0.002159177	0.007149473	0.020744208	0.119319089
2037 Jan	0.002944201	0.076985464	1.13027E-05	240.5924225	63.45533752	0.198448256	0.031099884	7448.242188	0.03666541	0.051248942	0.00014487	0.014955551	0.003023408	20.00205994	4.2823E-05	0.00182146	0.008168768	0.023934787	0.137746766
2037 Feb	0.002951373	0.076230355	1.1114E-05	259.4014893	68.37891388	0.207319722	0.033796772	8106.161133	0.038557924	0.053342849	0.000153484	0.016390175	0.003305723	21.88981819	4.3823E-05	0.001580713	0.008902853	0.026230305	0.150279269
2037 Mar	0.002957055	0.075568818	1.09739E-05	273.4826355	72.06266785	0.213922396	0.035814706	8598.419922	0.039978072	0.054913975	0.00015963	0.017463079	0.003516855	23.30171204	4.45808E-05	0.001402041	0.009451369	0.027946658	0.159654886
2037 Apr	0.002961783	0.074988946	1.08617E-05	284.8183594	75.02710724	0.219218612	0.037438672	8994.561523	0.041122969	0.056180526	0.00016443	0.018326249	0.003686714	24.4376564	4.51955E-05	0.001258974	0.009892424	0.029327307	0.167199209
2037 May	0.002571926	0.112629421	1.05991E-05	220.3224335	59.17670441	0.200243264	0.029113764	6953.867188	0.032025348	0.047406688	0.000360892	0.014247399	0.002888948	18.9827404	3.76114E-05	0.000928513	0.007960705	0.02316747	0.129149452
2037 Jun	0.002167338	0.143548831	1.0517E-05	126.3176956	36.03394318	0.181229755	0.017180772	3894.262451	0.019965831	0.040357996	0.000517434	0.008080564	0.001685898	10.73405266	3.69553E-05	0.000908308	0.004908917	0.013782557	0.071308754
2037 Jul	0.002322422	0.12670736	1.06667E-05	141.7116699	39.90820313	0.191171885	0.019427033	4358.927246	0.022658991	0.04497005	0.000432701	0.009065744	0.001881379	11.97768879	4.32491E-05	0.00112828	0.005323933	0.015251162	0.079686023
2037 Aug	0.003037068	0.078017339	1.13447E-05	206.4867401	56.72803497	0.245580107	0.028797099	6319.352051	0.033731941	0.063921951	0.000202295	0.013151687	0.002711304	17.25768661	6.82669E-05	0.001972287	0.007171624	0.021303726	0.11511597
2037 Sep	0.002845187	0.074721083	1.11508E-05	192.6723328	52.7618103	0.214599237	0.026875587	5922.667969	0.03115147	0.058410633	0.000130216	0.012326826	0.002533398	16.17294693	5.9546E-05	0.001722209	0.006693793	0.020007558	0.108199507
2037 Oct	0.002476917	0.082536452	1.13484E-05	121.6603928	33.82499313	0.148596555	0.017047394	3599.713379	0.022470811	0.042364754	9.33787E-05	0.007560165	0.001571825	9.614266396	4.05584E-05	0.001885508	0.00425645	0.012472274	0.065194786
2037 Nov	0.002525439	0.080001503	1.09695E-05	168.9485168	45.91757202	0.167942569	0.02327049	5214.126465	0.027272295	0.046595499	0.000112508	0.010879193	0.00222351	14.15491009	4.1945E-05	0.001441562	0.005966254	0.017739421	0.09586934
2037 Dec	0.002628457	0.077963054	1.07867E-05	210.5037842	56.53045654	0.186716199	0.028719487	6608.303711	0.031971067	0.050504562	0.000130486	0.013757389	0.002789339	18.03166389	4.35131E-05	0.001197878	0.007463178	0.0222711	0.122280285
2038 Jan	0.002690641	0.076738469	1.0652E-05	237.2749634	63.37077332	0.19910951	0.032319695	7509.978027	0.035016134	0.053106267	0.000142613	0.015660729	0.003163564	20.54557991	4.45736E-05	0.001020133	0.008451981	0.025272973	0.139372036
2038 Feb	0.002732821	0.075961642	1.0562E-05	254.6334534	67.80305481	0.207491696	0.034736831	8095.322754	0.037062015	0.054861199	0.000150913	0.016938271	0.003414775	22.17823219	4.52993E-05	0.000901312	0.009115976	0.02728782	0.150471613
2038 Mar	0.002764815	0.075315267	1.04941E-05	267.7825317	71.15962982	0.213817686	0.036567703	8538.644531	0.038612727	0.056193616	0.000157018	0.017905654	0.003604997	23.41461754	4.58554E-05	0.000811803	0.00961844	0.02881339	0.158877507
2038 Apr	0.002790779	0.074762627	1.04393E-05	278.4439392	73.88074943	0.218935296	0.038052142	8898.056641	0.039870534	0.057275467	0.000161878	0.018689847	0.003759198	24.41692162	4.63095E-05	0.000739475	0.010025589	0.030050006	0.165692121
2038 May	0.002669919	0.089724116	1.03592E-05	257.3884277	68.72420502	0.214626908	0.03524746	8226.875977	0.036866944	0.05439819	0.000244033	0.017317571	0.003491819	22.6162262	4.38926E-05	0.000641558	0.009393485	0.027980966	0.153153971
2038 Jun	0.002069848	0.138169453	1.02142E-05	135.1003876	38.34606552	0.180000395	0.018935379	4255.947266	0.020372543	0.041355994	0.000486482	0.00904504	0.001872819	11.8612957	3.68912E-05	0.000521091	0.005343823	0.015372949	0.07838846
2038 Jul	0.002288913	0.118351556	1.03938E-05	171.2164001	47.39605331	0.194548622	0.023959128	5413.654785	0.025660235	0.047094043	0.00038981	0.011516624	0.002357774	15.00198078	4.23179E-05	0.000659705	0.006521284	0.019152744	0.099982969
2038 Aug	0.002812187	0.069774322	1.09986E-05	175.1896362	49.2685051	0.234705955	0.025632905	5364.763672	0.029344821	0.063812099	0.000146737	0.011413123	0.002374708	14.85084534	7.16237E-05	0.001713657	0.006146615	0.018672703	0.09709923
2038 Sep	0.002670394	0.076555885	1.10838E-05	142.8546753	40.62872696	0.19801183	0.02107718	4317.049316	0.025223263	0.056047637	0.000107505	0.009217765	0.001925461	11.88637829	6.08358E-05	0.001762584	0.005043847	0.015188326	0.077841446
2038 Oct	0.002338726	0.080572046	1.06485E-05	159.3310394	43.65566254	0.158067256	0.022588188	4983.354004	0.025336776	0.044857863	0.000106915	0.010628253	0.002170634	13.66992569	3.94699E-05	0.001058176	0.005800744	0.017447211	0.091887817
2038 Nov	0.002612601	0.076940231	1.05444E-05	226.5568085	60.79195786	0.193748295	0.031587232	7195.678711	0.03389575	0.052111298	0.000138587	0.015313905	0.00309403	19.74988747	4.35223E-05	0.000902787	0.008258093	0.024763234	0.133615553
2038 Dec	0.002719985	0.075159319	1.04227E-05	262.1761169	69.83467865	0.210743934	0.03634233	8381.291992	0.038138624	0.055602044	0.000154624	0.017816456	0.003586257	23.02716064	4.50371E-05	0.000732574	0.009563601	0.028692549	0.156044021
2039 Jan	0.002784017	0.0741698	1.03319E-05	286.3660889	75.99643707	0.221767902	0.039385311	9187.223633	0.040797889	0.057891812	0.000165274	0.019417869	0.003901381	25.26009941	4.60951E-05	0.000608734	0.010398093	0.031211955	0.171280354
2039 Feb	0.002826125	0.073558532	1.02702E-05	303.5683594	80.39002991	0.229137063	0.041403662	9759.467773	0.042555138	0.059423458	0.000172478	0.020479813	0.004110386	26.84578705	4.68178E-05	0.000524929	0.010951512	0.03288329	0.18209064

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.002854211	0.073075071	1.02278E-05	315.1996765	83.35936737	0.234086126	0.042769711	10146.47363	0.04374145	0.060464002	0.000177123	0.021198358	0.004251804	27.91835022	4.73146E-05	0.000467585	0.011325446	0.034014374	0.189401358
2039 Apr	0.002874871	0.072679661	1.01954E-05	323.9172058	85.58404541	0.23777537	0.043794163	10436.63574	0.044627775	0.061246429	0.000180493	0.021737194	0.004357853	28.72273636	4.76909E-05	0.000423747	0.011605552	0.034862828	0.194882706
2039 May	0.002887976	0.072985373	1.01736E-05	328.7800598	86.85258484	0.240699515	0.044352043	10598.30664	0.04509332	0.061836902	0.000186227	0.022025712	0.004415235	29.17529297	4.81787E-05	0.000397511	0.011758311	0.035321292	0.19792068
2039 Jun	0.002053993	0.077480823	1.06004E-05	153.1072083	41.86123657	0.151644707	0.021099249	4808.75	0.023961425	0.041095424	0.000155358	0.010168524	0.002057273	13.2085619	3.62941E-05	0.00096575	0.005668865	0.017083585	0.088821948
2039 Jul	0.001801062	0.078983001	1.05016E-05	90.36605835	26.23062897	0.135160595	0.013137979	2754.14624	0.015466085	0.039648838	0.000134453	0.005842685	0.001218225	7.701345921	4.19593E-05	0.000952884	0.003306606	0.010394366	0.049602896
2039 Aug	0.002040228	0.077952743	1.06549E-05	115.1738586	32.6623497	0.146350637	0.016357189	3543.727783	0.019195668	0.041847009	0.000130737	0.007414087	0.001538748	9.815327644	4.27373E-05	0.001105708	0.004068533	0.012599524	0.064461514
2039 Sep	0.002755667	0.075885646	1.10848E-05	180.7279358	50.28477097	0.202352032	0.025343418	5591.682129	0.029674677	0.055385254	0.000126475	0.011624193	0.002388591	15.36473274	5.57723E-05	0.001697332	0.006333738	0.018909231	0.102339439
2039 Oct	0.00264348	0.077290073	1.0762E-05	200.618927	54.88289261	0.194082111	0.027644472	6306.567383	0.030768992	0.053188	0.000126975	0.013041683	0.00265705	17.34995461	4.92348E-05	0.001251902	0.007068221	0.021180551	0.116359971
2039 Nov	0.002833737	0.074477106	1.05881E-05	269.6819763	72.21183014	0.21959807	0.036397226	8598.376953	0.038847838	0.057710145	0.00015674	0.017724795	0.00357356	23.62840843	4.87331E-05	0.000969109	0.009526852	0.02850317	0.159856007
2039 Dec	0.0028827	0.07323914	1.04318E-05	299.5306396	79.69490814	0.230745226	0.040189236	9600.123047	0.041991122	0.059961356	0.000168868	0.019754274	0.003971342	26.40167618	4.89859E-05	0.000751926	0.010580659	0.031707197	0.178866357
2040 Jan	0.002909938	0.072621725	1.03392E-05	314.8642883	83.52096558	0.237231493	0.042359415	10117.20703	0.043776721	0.061273269	0.000176092	0.020915378	0.004198988	27.83537102	4.91686E-05	0.000624208	0.011183656	0.033541571	0.188693389
2040 Feb	0.002927157	0.072267957	1.02809E-05	322.8990479	85.50643158	0.241351411	0.043720733	10390.32031	0.044895612	0.062105484	0.000180739	0.021643413	0.004341755	28.59384155	4.92986E-05	0.000543905	0.011561892	0.034691934	0.193898514
2040 Mar	0.002938734	0.071977563	1.02396E-05	328.4954224	86.88847351	0.2441919	0.044667069	10580.60742	0.045670085	0.062687822	0.000183819	0.022149382	0.004440976	29.12247086	4.9396E-05	0.000487314	0.011824376	0.035491664	0.197524682
2040 Apr	0.002947425	0.071738251	1.02087E-05	332.7062988	87.92819977	0.246319249	0.045378342	10723.76465	0.046252247	0.0631271	0.000186067	0.022529561	0.00451553	29.52015686	4.94723E-05	0.000444878	0.012021472	0.036092553	0.200252488
2040 May	0.002868648	0.080819607	1.01937E-05	315.7005615	83.68062592	0.241315514	0.04318282	10172.49512	0.044078074	0.060818333	0.000232844	0.021442005	0.004302612	28.01652718	4.75075E-05	0.000424184	0.011506781	0.034428023	0.189932317
2040 Jun	0.002000184	0.131539479	1.00973E-05	143.1653137	40.24768066	0.176405415	0.020047635	4552.13916	0.021015396	0.041073725	0.000457509	0.00970405	0.001995162	12.70664406	3.56123E-05	0.000360226	0.005655283	0.016465288	0.084157191
2040 Jul	0.00217833	0.115669154	1.03571E-05	146.6669312	41.39894104	0.186267391	0.020925356	4616.90625	0.022791825	0.045703605	0.000374745	0.009913267	0.00204099	12.86562729	4.33115E-05	0.000738474	0.005673757	0.016695909	0.084883913
2040 Aug	0.002955872	0.07440538	1.11559E-05	206.962677	57.46868134	0.23300913	0.030070109	6451.598145	0.034720685	0.060617384	0.000182347	0.014014907	0.002868414	17.7703495	6.14793E-05	0.001791462	0.00760365	0.022630898	0.118423894
2040 Sep	0.002832741	0.071811937	1.11075E-05	188.9116974	52.62348557	0.211845919	0.027594643	5876.191895	0.032089442	0.056867056	0.000130616	0.01277982	0.002619171	16.17580986	5.67838E-05	0.001734802	0.006930907	0.020677388	0.107803091
2040 Oct	0.002502324	0.077680409	1.05377E-05	195.9488068	53.42074966	0.183823034	0.028037393	6214.291992	0.030284315	0.050602391	0.000125787	0.013411749	0.002722782	17.14332962	4.43358E-05	0.000930039	0.007246153	0.021818137	0.115079597
2040 Nov	0.002692956	0.075370133	1.04601E-05	246.5710907	66.1805191	0.207270697	0.034810018	7881.861816	0.036752172	0.055055704	0.000149513	0.016983664	0.003424063	21.7033062	4.56013E-05	0.00079611	0.009125031	0.027389107	0.146629438
2040 Dec	0.002777663	0.074000515	1.03572E-05	275.6118469	73.47777557	0.220752493	0.03869503	8845.50293	0.040205408	0.057805538	0.000162567	0.019033654	0.003826971	24.35640526	4.66472E-05	0.000650745	0.010194797	0.030608485	0.164857119
2041 Jan	0.002828477	0.073224105	1.02846E-05	293.545929	77.97822571	0.229346618	0.041155379	9441.892578	0.042360604	0.059569661	0.000171065	0.020332281	0.004082264	26.00074196	4.73442E-05	0.000550002	0.010872007	0.032650683	0.176141158
2041 Feb	0.002860999	0.072738878	1.02337E-05	305.0394287	80.85725403	0.235055357	0.042784315	9824.780273	0.043775048	0.060746852	0.00017676	0.021192189	0.004251333	27.05733681	4.78199E-05	0.000479913	0.01132021	0.034004055	0.183388188
2041 Mar	0.002883045	0.072364584	1.01986E-05	312.9127197	82.82859039	0.238943487	0.043899976	10087.09375	0.044742148	0.061555691	0.000180523	0.021781005	0.004367103	27.78126717	4.81507E-05	0.000431585	0.011626801	0.034930877	0.188352779
2041 Apr	0.002899705	0.072061203	1.0172E-05	318.87146	84.32029724	0.241877198	0.044744294	10285.61133	0.045474023	0.062168956	0.000183306	0.022226525	0.004454699	28.32912827	4.84034E-05	0.000395074	0.011858654	0.035632141	0.192109823
2041 May	0.002978736	0.073605388	1.03286E-05	318.8166199	84.48493195	0.244932249	0.044813551	10265.63574	0.046232678	0.062183362	0.000196512	0.02224309	0.004458672	28.2416172	4.84297E-05	0.000586128	0.01189963	0.035606399	0.191704243
2041 Jun	0.002031532	0.077855483	1.03086E-05	167.3842773	45.50398254	0.158489659	0.023919312	5334.804199	0.025517387	0.043016706	0.000162017	0.011677527	0.002355506	14.75263786	3.66155E-05	0.000592754	0.006422736	0.019493554	0.098960772
2041 Jul	0.001772058	0.077420183	1.0234E-05	112.4356766	31.78274536	0.144192919	0.016650951	3529.364014	0.017847968	0.041719779	0.000141197	0.007755026	0.001590072	9.906165123	4.1822E-05	0.000599916	0.004324467	0.013514277	0.064455092
2041 Aug	0.002653447	0.071392849	1.11123E-05	171.7888184	48.37525177	0.207138047	0.025559003	5344.972656	0.029759381	0.055558804	0.000147271	0.011813506	0.002422321	14.79479504	5.72238E-05	0.001631459	0.006447034	0.019370751	0.097821809
2041 Sep	0.003145632	0.071653403	1.13979E-05	209.6978302	58.72064209	0.239063814	0.031127919	6531.133301	0.036579091	0.063080788	0.000146433	0.014429316	0.002951049	17.99969673	6.38647E-05	0.002074948	0.007829771	0.023179043	0.119849294
2041 Oct	0.002768105	0.077312216	1.09831E-05	203.6374664	55.9623909	0.197588891	0.029640008	6424.296875	0.033556618	0.052879926	0.000135676	0.014134645	0.002868062	17.6643219	4.68039E-05	0.001423257	0.007676098	0.022811141	0.118898936
2041 Nov	0.002887882	0.074634381	1.07071E-05	260.0094604	69.92075348	0.219546884	0.03716718	8302.400391	0.040067982	0.057072651	0.000160327	0.018164659	0.003657321	22.8208313	4.69001E-05	0.001063775	0.009777284	0.029147021	0.154538468
2041 Dec	0.002932987	0.073268615	1.05273E-05	288.159668	76.88711548	0.231516615	0.040936477	9243.96875	0.043107897	0.059629574	0.00017225	0.020170541	0.004051219	25.42312431	4.77106E-05	0.000831721	0.010814905	0.03232152	0.172369972
2042 Jan	0.002950188	0.072618157	1.04097E-05	301.9606934	80.2623291	0.238110051	0.043023191	9709.52832	0.044712648	0.061074533	0.000179002	0.021282924	0.004269721	26.71473122	4.82003E-05	0.000681461	0.011388531	0.034088623	0.181201398
2042 Feb	0.002959812	0.072259493	1.03358E-05	308.7440796	81.89120483	0.242151007	0.044292659	9940.800781	0.045678794	0.061962854	0.00018321	0.021959694	0.004402682	27.35806084	4.85125E-05	0.000587312	0.011737418	0.035164632	0.185602009
2042 Mar	0.002966589	0.071966112	1.02854E-05	313.4320068	83.01703644	0.244921714	0.045167953	10100.5498	0.046346705	0.062578	0.000185969	0.022426046	0.004494304	27.80233192	4.87334E-05	0.000523055	0.011977596	0.035905927	0.188641161
2042 Apr	0.002974172	0.07171876	1.02525E-05	316.9797974	83.87466431	0.247062415	0.045831945	10220.91113	0.046876345	0.063043155	0.000188044	0.022778947	0.004563638	28.13609123	4.89012E-05	0.000480869	0.012159889	0.036464982	0.190930322
2042 May	0.002947933	0.075960815	1.02482E-05	310.1776428	82.19861603	0.246031851	0.044988573	9999.688477	0.046056401	0.062241182	0.00021147	0.022359382	0.004481984	27.53396225	4.82951E-05	0.000477295	0.011966847	0.035824548	0.186779559
2042 Jun	0.002110614	0.08065743	1.01431E-05	181.2401428	49.08921051	0.17467235	0.02670829	5802.769531	0.027531814	0.046869893	0.00018652	0.013063474	0.002636042	16.09153557	4.02824E-05	0.000402339	0.00713476	0.021674477	0.107698441
2042 Jul	0.001948755	0.079376742	1.03245E-05	124.234787	35.01111984	0.156194285	0.018995868	3907.650879	0.020532424	0.044096705	0.000156131	0.008900773	0.001822397	10.93563271	4.35629E-05	0.000707857	0.004911504	0.01517724	0.071559191
2042 Aug	0.002017949	0.068562038	1.07373E-05	84.97934723	25.76323318	0.144186497	0.013998803	2571.667725	0.017002543	0.041936561	8.26792E-05	0.005958053	0.00127215	7.259002209	4.59139E-05	0.001254995	0.003244273	0.010220905	0.046036758
2042 Sep	0.002513444	0.075994194	1.09013E-05	144.071701	41.13123322	0.17962198	0.022636924	4486.203125	0.026219375	0.05020402	0.000109464	0.010369011	0.002135992	12.45829678	4.94843E-05	0.001425469	0.005649789	0.016999211	0.082119644
2042 Oct	0.002479721	0.078920856	1.06882E-05	156.615036	43.9781189	0.17866157	0.024283422	4923.887695	0.027037378	0.050273329	0.00011377	0.011322003	0.00231748	13.66645718	4.72763E-05	0.001152108	0.006151689	0.018540012	0.09057454
2042 Nov	0.002775367	0.075279601	1.06041E-05	230.3317261	62.41637039	0.212207988	0.034704991	7350.731445	0.03719867	0.056183409	0.000150603	0.016852671	0.003401286	20.26955605	4.76678E-05	0.000982932	0.009069117	0.02714462	0.136593685
2042 Dec	0.00284975	0.073764101	1.0454E-05	261.5585022	70.11832428	0.225973845	0.039089106	8389.394531	0.040968917	0.058942072	0.000164984	0.019186575	0.003859154	23.12079811	4.82513E-05	0.000774493	0.01028429	0.030818654	0.156278893
2043 Jan	0.002887735	0.072979756	1.03579E-05	278.0035095	74.14376831	0.233827963	0.041586693	8938.587891	0.04307108	0.060536496	0.000173328	0.020517068	0.004120225	24.63028336	4.86172E-05	0.000643105	0.010976065	0.032917053	0.1666978
2043 Feb	0.00290862	0.072525658	1.02927E-05	286.9628601	76.30979919	0.238660991	0.043127332	9239.575195	0.044342194	0.061530221	0.00017851	0.021338373	0.004281403	25.45854187	4.88574E-05	0.000554943	0.011402473	0.034214556	0.172418118
2043 Mar	0.002922646	0.072178535	1.02473E-05	293.1270752	77.79899597	0.241963103	0.044186175	9446.693359	0.045213033	0.062216014	0.000181952	0.021902749	0.004392161	26.02859116	4.90277E-05	0.000493704	0.011695181	0.035106372	0.17635411
2043 Apr	0.002933295	0.071898662	1.02131E-05	297.7971802	78.92721558	0.244458064	0.044988036	9603.59082	0.045872919	0.062736511	0.000184506	0.022330049	0.004476019	26.46040344	4.9159E-05	0.000447503	0.011916703	0.03578154	0.179335579
2043 May	0.002885009	0.077854231	1.01902E-05	289.0639954	76.75125122	0.24229911	0.043763004	9321.079102	0.044605695	0.061486688	0.000216581	0.021726642	0.004358275	25.69296646	4.81213E-05	0.000419135	0.011635794	0.03486589	0.174043
2043 Jun	0.002143217	0.121238612	1.01092E-05	156.640625	43.50613785	0.186798781	0.024067435	5000.740234	0.024988614	0.044529106	0.000409695	0.011742262	0.002395124	13.92633724	3.77544E-05	0.000364795	0.006661984	0.019588519	0.092679389
2043 Jul	0.002205018	0.108169392	1.02576E-05	153.5792694	42.86421585	0.186479196	0.023906751	4880.777832	0.025310531	0.046480265	0.000335018	0.011519955	0.002352047	13.60055828	4.17813E-05	0.000577755	0.006454828	0.01917831	0.090169854
2043 Aug	0.002542321	0.072414033	1.08485E-05	147.2986145	42.32936478	0.200623855	0.024021517	4591.168457	0.027387127	0.054182943	0.000146445	0.010974656	0.002268565	12.82903671	5.65851E-05	0.001415595	0.005944624	0.018005656	0.083785191
2043 Sep	0.003231958	0.070958756	1.16291E-05	192.5302429	54.91411591	0.234903425	0.031242361	5998.485352	0.037921198	0.06078618	0.000148514	0.014544673	0.002969109	16.54850197	6.00975E-05	0.00236905	0.0079297	0.023240132	0.110233016
2043 Oct	0.00270597	0.080572575	1.16084E-05	117.0742264	35.033741	0.160831138	0.019567514	3569.903076	0.02641326	0.043826915	0.000105562	0.008835764	0.001822443	9.808564186	4.10279E-05	0.002271116	0.004970661	0.014326684	0.065263018
2043 Nov	0.001870884	0.087289192	1.0909E-05	40.01528931	14.08639145	0.088868082	0.007490691	1135.901978	0.011466509	0.029550986	5.43522E-05	0.002891711	0.0006384	3.205750942	2.72815E-05	0.001382326	0.001769528	0.005314308	0.019926177
2043 Dec	0.001870731	0.087309651	1.09121E-05	39.88592529	14.05277061	0.088637747	0.00746997	1131.639404	0.011460761	0.029480105	5.43023E-05	0.002882861	0.000636526	3.192859888	2.71793E-05	0.001385349	0.00176551	0.005299124	0.01985107
2044 Jan	0.001870476	0.087509483	1.09118E-05	39.82707977	14.03921223	0.088650517	0.007459477	1129.798584	0.011450903	0.029451786	5.48816E-05	0.002878674	0.000635679	3.187707663	2.71367E-05	0.001384689	0.001764555	0.005292675	0.01981855
2044 Feb	0.001870502	0.087772392	1.0911E-05	39.79428101	14.03385448	0.088755101	0.007453037	1128.794189	0.011442947	0.029437896	5.56916E-05	0.002876294	0.000635224	3.185121775	2.71141E-05	0.001383534	0.001764857	0.00528931	0.019800736
2044 Mar	0.001870516	0.087910563	1.09106E-05	39.77704239	14.03104019	0.088810064	0.007449653	1128.266479	0.011438766	0.029430596	5.61173E-05	0.002875042	0.000634985	3.183763027	2.71023E-05	0.001382927	0.001765015	0.005287542	0.019791374
2044 Apr	0.001870524	0.087987259	1.09103E-05	39.76747894	14.02947807	0.088840567	0.007447775	1127.973389	0.011436446	0.029426545	5.63535E-05	0.002874348	0.000634853	3.183008671	2.70957E-05	0.00138259	0.001765103	0.005286561	0.019786177
2044 May	0.001862634	0.089837439	1.08987E-05	39.28536606	13.90935516	0.08912053	0.007354949	1113.627563	0.011313127	0.029197223	6.78728E-05	0.002840489	0.000628388	3.144565582	2.67743E-05	0.00136585	0.001759216	0.005242215	0.019532831
2044 Jun	0.001064536	0.105958425	1.02654E-05	12.39093208	5.419378281	0.050379962	0.002256291	331.3549194	0.004158494	0.01531719	0.000213185	0.001000934	0.000228145	0.981342077	9.3164E-06	0.000442124	0.000984677	0.002989188	0.005768468
2044 Jul	0.000960628	0.100801878	1.02043E-05	9.741333961	4.443548203	0.042216308	0.001761305	255.7019653	0.003430971	0.0138637	0.000187948	0.000821609	0.000185546	0.766781271	7.63301E-06	0.000351902	0.00086847	0.00277396	0.004441231
2044 Aug	0.00095526	0.10003449	1.01978E-05	9.463790894	4.34854126	0.041180689	0.001717679	247.6532135	0.003352745	0.013696356	0.000183134	0.00079632	0.000181255	0.74434346	7.45304E-06	0.000342537	0.000843097	0.002721162	0.004299343
2044 Sep	0.000940415	0.09710668	1.01697E-05	8.274977684	3.961228371	0.036689699	0.001545229	212.9840851	0.003017888	0.013113894	0.000159413	0.00068583	0.00016241	0.648390472	6.67693E-06	0.000303892	0.000739627	0.002491141	0.003687435
2044 Oct	0.000944136	0.096873514	1.01569E-05	7.738729477	3.800523758	0.034649041	0.001472974	197.3225708	0.00286644	0.012992767	0.000148875	0.000635858	0.000153223	0.605311036	6.32592E-06	0.000287613	0.000698901	0.002387107	0.003410683
2044 Nov	0.000944852	0.096828632	1.01545E-05	7.635523319	3.769594431	0.034256298	0.001459068	194.3083496	0.002837293	0.012969456	0.000146847	0.00062624	0.000151455	0.59701997	6.25836E-06	0.00028448	0.000691063	0.002367085	0.00335742
2044 Dec	0.000944874	0.096827284	1.01544E-05	7.632413387	3.768662691	0.034244467	0.001458649	194.2175293	0.002836415	0.012968753	0.000146786	0.00062595	0.000151402	0.596770167	6.25633E-06	0.000284386	0.000690827	0.002366482	0.003355815
2045 Jan	0.000944964	0.096851677	1.01544E-05	7.631139755	3.768770933	0.034255993	0.001458426	194.175415	0.00283614	0.012968641	0.000146839	0.000625832	0.000151384	0.596673071	6.25537E-06	0.000284343	0.000690882	0.002366236	0.003355058
2045 Feb	0.000945067	0.096882306	1.01543E-05	7.630675793	3.76923728	0.034274463	0.0014583	194.1557617	0.002836115	0.012968752	0.000146926	0.000625789	0.000151382	0.596642137	6.25491E-06	0.000284323	0.000691035	0.002366148	0.003354695
2045 Mar	0.000945122	0.096898466	1.01543E-05	7.630431175	3.769483328	0.034284208	0.001458234	194.1454163	0.002836101	0.01296881	0.000146972	0.000625767	0.000151381	0.596625805	6.25466E-06	0.000284312	0.000691115	0.002366101	0.003354504
2045 Apr	0.000945153	0.096907668	1.01543E-05	7.630291462	3.76962328	0.034289755	0.001458196	194.1395111	0.002836094	0.012968844	0.000146999	0.000625754	0.00015138	0.596616507	6.25453E-06	0.000284306	0.000691161	0.002366075	0.003354395
2045 May	0.000945165	0.096911594	1.01543E-05	7.630208015	3.769675016	0.034292087	0.001458175	194.1363068	0.002836084	0.012968845	0.000147013	0.000625747	0.00015138	0.596610665	6.25445E-06	0.000284303	0.00069118	0.002366062	0.003354336
2045 Jun	0.000849205	0.093044527	1.01114E-05	5.751573086	3.046927691	0.028970607	0.001080575	140.8603363	0.002325619	0.011865436	0.000134919	0.000515721	0.000121248	0.444225371	5.07163E-06	0.000219162	0.000638031	0.00229209	0.002421763
2045 Jul	0.000800767	0.091100574	1.00879E-05	4.721963882	2.653195143	0.02597036	0.000875098	111.6548233	0.002044529	0.011260278	0.000128284	0.000452638	0.000104723	0.360752672	4.42292E-06	0.000183436	0.000602269	0.002236526	0.001910305
2045 Aug	0.000800661	0.090635531	1.00847E-05	4.590329647	2.610475302	0.025392549	0.000857406	107.792923	0.002006377	0.011167029	0.000125208	0.000437598	0.000102786	0.350123256	4.33622E-06	0.000178951	0.000583418	0.002196752	0.001841945
2045 Sep	0.000804776	0.090043873	1.00795E-05	4.374083519	2.550694227	0.024411142	0.000836096	101.3436432	0.00194379	0.011083271	0.000118464	0.000411627	9.9369E-05	0.332742453	4.19093E-06	0.000172351	0.000554929	0.002128855	0.001727392
2045 Oct	0.000808126	0.090115428	1.0078E-05	4.315411568	2.537478924	0.024141461	0.00083151	99.58869934	0.00192672	0.011090809	0.000116665	0.000404544	9.82952E-05	0.328070104	4.1513E-06	0.000170807	0.000548456	0.002110338	0.001696151
2045 Nov	0.000808265	0.090118393	1.0078E-05	4.312975883	2.536930323	0.024130264	0.000831319	99.51584625	0.001926012	0.011091121	0.00011659	0.00040425	9.82506E-05	0.327876121	4.14966E-06	0.000170743	0.000548187	0.002109569	0.001694854
2045 Dec	0.000808335	0.090119898	1.00779E-05	4.311742306	2.536652565	0.024124596	0.000831223	99.4789505	0.001925653	0.01109128	0.000116552	0.000404101	9.82281E-05	0.327777892	4.14882E-06	0.000170711	0.000548051	0.00210918	0.001694197
2046 Jan	0.000808406	0.090134218	1.00779E-05	4.31136322	2.536843777	0.024131751	0.000831171	99.46484375	0.001925589	0.011091462	0.000116582	0.000404053	9.82235E-05	0.327750623	4.1485E-06	0.000170699	0.000548089	0.002109048	0.001693939

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.000808478	0.090153083	1.00779E-05	4.311300278	2.537204504	0.024143521	0.000831136	99.45918274	0.001925632	0.011091651	0.000116637	0.000404041	9.82256E-05	0.327749521	4.14836E-06	0.000170694	0.00054819	0.002109012	0.001693828
2046 Mar	0.000808516	0.090163372	1.00779E-05	4.311265945	2.537401438	0.024149945	0.000831117	99.45609283	0.001925656	0.011091755	0.000116667	0.000404035	9.82267E-05	0.327748954	4.14828E-06	0.000170692	0.000548245	0.002108992	0.001693768
2046 Apr	0.000808564	0.090176158	1.00779E-05	4.31122303	2.537645817	0.024157921	0.000831094	99.45226288	0.001925686	0.011091882	0.000116704	0.000404028	9.82281E-05	0.327748209	4.14819E-06	0.000170689	0.000548313	0.002108967	0.001693694
2046 May	0.000811102	0.090985917	1.00775E-05	4.298745632	2.54966116	0.024650408	0.000827497	98.93001556	0.001925007	0.011094312	0.000121474	0.000403038	9.84087E-05	0.326912761	4.13598E-06	0.000170146	0.000552621	0.002107341	0.001684067
2046 Jun	0.000754343	0.092000321	1.00506E-05	3.140009165	2.15847826	0.023771675	0.00057723	65.55883026	0.001624043	0.010430471	0.000136981	0.00034292	8.13778E-05	0.233532459	3.39387E-06	0.000129041	0.00055475	0.002097774	0.001098971
2046 Jul	0.00071504	0.08954896	1.00344E-05	2.418078899	1.849284172	0.020826187	0.000428732	45.46504974	0.00142217	0.009973872	0.000126294	0.000300362	6.91278E-05	0.174712569	2.94896E-06	0.000103812	0.000521565	0.00206285	0.000748186
2046 Aug	0.000718978	0.089003548	1.00328E-05	2.352638721	1.830726027	0.020302344	0.000426453	43.47829056	0.001401043	0.009911044	0.000122295	0.000287602	6.82461E-05	0.169428334	2.90378E-06	0.000101635	0.000500326	0.002018201	0.000712565
2046 Sep	0.000735615	0.088048667	1.0029E-05	2.209495068	1.809176326	0.019068604	0.00043641	38.9305954	0.001354745	0.009894693	0.000110104	0.000256709	6.59176E-05	0.158011734	2.79944E-06	9.82607E-05	0.000456785	0.001912778	0.000630304
2046 Oct	0.000758349	0.088580534	1.00264E-05	2.113020897	1.81014359	0.018213458	0.000449466	35.8365593	0.001323042	0.010038159	0.000101962	0.000235554	6.36014E-05	0.150539368	2.728E-06	9.72543E-05	0.000433568	0.001840587	0.000573974
2046 Nov	0.000761905	0.088663727	1.0026E-05	2.097931147	1.810294867	0.018079706	0.000451508	35.35261917	0.001318083	0.010060598	0.000100688	0.000232245	6.32391E-05	0.149370611	2.71682E-06	9.70969E-05	0.000429937	0.001829296	0.000565163
2046 Dec	0.000762048	0.088667065	1.0026E-05	2.097324848	1.810300946	0.01807433	0.00045159	35.33316803	0.001317883	0.010061501	0.000100637	0.000232112	6.32245E-05	0.149323627	2.71637E-06	9.70906E-05	0.000429791	0.001828842	0.000564809
2047 Jan	0.000762172	0.088690199	1.0026E-05	2.097265482	1.810781956	0.018087255	0.000451599	35.32647324	0.001317931	0.010062031	0.000100689	0.000232078	6.32259E-05	0.149324045	2.7162E-06	9.70892E-05	0.000429881	0.001828705	0.000564676
2047 Feb	0.000762289	0.088720284	1.0026E-05	2.097393751	1.811429381	0.018106557	0.000451583	35.32412338	0.001318063	0.010062438	0.000100778	0.000232078	6.32328E-05	0.149340749	2.71613E-06	9.70895E-05	0.000430054	0.001828676	0.000564617
2047 Mar	0.000762353	0.088736683	1.0026E-05	2.097463608	1.81178236	0.018117083	0.000451574	35.32284164	0.001318135	0.010062659	0.000100826	0.000232078	6.32366E-05	0.149349838	2.71609E-06	9.70897E-05	0.000430148	0.001828661	0.000564585
2047 Apr	0.00076239	0.088746026	1.0026E-05	2.097503424	1.811983466	0.018123077	0.000451569	35.32210922	0.001318176	0.010062786	0.000100853	0.000232078	6.32387E-05	0.149355039	2.71607E-06	9.70898E-05	0.000430202	0.001828652	0.000564567
2047 May	0.000785098	0.095393747	1.00248E-05	2.097934723	1.942984343	0.022405054	0.000439741	34.02823639	0.001340617	0.010129724	0.000140667	0.000231981	6.63469E-05	0.150771454	2.68273E-06	9.60616E-05	0.000470705	0.001828479	0.000538283
2047 Jun	0.000886991	0.129122078	1.00161E-05	1.985897064	2.55830121	0.044198349	0.000345971	24.29743767	0.001426592	0.010375573	0.000346171	0.000231289	8.0484E-05	0.148661196	2.44407E-06	8.63679E-05	0.000685986	0.001852908	0.000350122
2047 Jul	0.000871905	0.126373902	1.00151E-05	1.917256832	2.473832846	0.04234156	0.00033175	22.95311356	0.001399368	0.01029016	0.000331103	0.000229421	7.81565E-05	0.142508164	2.4165E-06	8.41097E-05	0.000670127	0.001858472	0.000328382
2047 Aug	0.000868608	0.124403611	1.00145E-05	1.884568095	2.435720921	0.041089218	0.000334932	22.21712494	0.001383528	0.01022478	0.00031956	0.000221645	7.71517E-05	0.13954258	2.40049E-06	8.31672E-05	0.000647158	0.00182995	0.000315755
2047 Sep	0.000867696	0.11998415	1.00131E-05	1.807070494	2.355788946	0.037931502	0.000352572	20.3971386	0.001345046	0.010174194	0.000289164	0.000201412	7.42571E-05	0.132607535	2.3603E-06	8.20461E-05	0.000594372	0.001757209	0.000284073
2047 Oct	0.000877341	0.117934935	1.0012E-05	1.753673911	2.31353426	0.035689279	0.000370705	19.12844086	0.001317834	0.010278753	0.000267858	0.000187105	7.15555E-05	0.128017038	2.33189E-06	8.24368E-05	0.000563033	0.001705773	0.00026167
2047 Nov	0.000879732	0.117426917	1.00118E-05	1.740436554	2.303059101	0.035133418	0.0003752	18.81392288	0.001311088	0.010304674	0.000262576	0.000183559	7.08857E-05	0.126879036	2.32484E-06	8.25337E-05	0.000555264	0.001693022	0.000256116
2047 Dec	0.000879801	0.117412329	1.00118E-05	1.740056276	2.302758455	0.035117455	0.000375329	18.80488968	0.001310894	0.010305418	0.000262424	0.000183457	7.08665E-05	0.126846358	2.32464E-06	8.25364E-05	0.000555041	0.001692656	0.000255956
2048 Jan	0.000879906	0.11742878	1.00118E-05	1.740060806	2.30312705	0.035125952	0.000375365	18.80141068	0.001310935	0.010305962	0.00026243	0.000183427	7.08649E-05	0.126850501	2.32455E-06	8.25388E-05	0.000555093	0.001692524	0.000255883
2048 Feb	0.000880019	0.117457934	1.00118E-05	1.740238309	2.303768158	0.035144806	0.000375356	18.8007164	0.001311078	0.010306372	0.000262507	0.000183432	7.08715E-05	0.126870945	2.32451E-06	8.25407E-05	0.000555264	0.001692508	0.000255855
2048 Mar	0.000880081	0.117473699	1.00118E-05	1.740334272	2.304115057	0.035155006	0.000375351	18.80034065	0.001311155	0.010306594	0.000262549	0.000183435	7.0875E-05	0.126881987	2.32449E-06	8.25418E-05	0.000555357	0.001692499	0.000255839
2048 Apr	0.000880352	0.117543474	1.00118E-05	1.740759611	2.305650234	0.035200149	0.00037533	18.79867935	0.001311498	0.010307576	0.000262733	0.000183447	7.08907E-05	0.126930922	2.32441E-06	8.25464E-05	0.000555768	0.001692462	0.000255771
2048 May	0.000880486	0.117578588	1.00118E-05	1.740966201	2.306418657	0.035222892	0.000375316	18.7976532	0.001311669	0.01030806	0.000262835	0.000183454	7.08994E-05	0.126954958	2.32436E-06	8.25484E-05	0.000555976	0.001692447	0.000255734
2048 Jun	0.000793681	0.10697066	1.00081E-05	1.471280813	1.955840468	0.029076919	0.000289371	13.71211529	0.001215319	0.009902511	0.000214185	0.000198007	6.22956E-05	0.102605283	2.22295E-06	7.24062E-05	0.00053957	0.001819494	0.000175778
2048 Jul	0.000738434	0.099388249	1.00054E-05	1.273923755	1.700383186	0.024269164	0.00022993	10.01634789	0.001141272	0.009602462	0.000177387	0.000202664	5.58806E-05	0.084839009	2.14883E-06	6.4957E-05	0.000511994	0.001880042	0.000117339
2048 Aug	0.000743532	0.097475126	1.00049E-05	1.253877282	1.679402828	0.022994211	0.000243636	9.463130951	0.00112701	0.009518059	0.000165336	0.000187579	5.54319E-05	0.082995512	2.1357E-06	6.4369E-05	0.000473455	0.001813342	0.000106987
2048 Sep	0.000754336	0.095977314	1.00045E-05	1.241200686	1.676313519	0.02179209	0.000267846	8.980028152	0.001115599	0.009541493	0.000151982	0.000172522	5.47671E-05	0.081877857	2.1235E-06	6.50982E-05	0.000442018	0.001749699	9.73748E-05
2048 Oct	0.000771049	0.095837086	1.00042E-05	1.233314633	1.68650341	0.020920357	0.00029016	8.648838997	0.001107401	0.009680386	0.000142551	0.000161705	5.37198E-05	0.08134754	2.11475E-06	6.66514E-05	0.000424642	0.001703978	9.04691E-05
2048 Nov	0.000776738	0.095789358	1.00041E-05	1.230629921	1.689972281	0.020623606	0.000297757	8.536095619	0.00110461	0.009727668	0.000139341	0.000158023	5.33633E-05	0.081167012	2.11176E-06	6.71802E-05	0.000418727	0.001688414	8.81184E-05
2048 Dec	0.000776842	0.095788486	1.00041E-05	1.230581045	1.690035462	0.020618202	0.000297895	8.534043312	0.001104559	0.009728529	0.000139282	0.000157956	5.33568E-05	0.081163719	2.11171E-06	6.71898E-05	0.000418619	0.00168813	8.80756E-05
2049 Jan	0.000776973	0.095813416	1.00041E-05	1.230753541	1.690620542	0.020632934	0.000297936	8.533786774	0.001104677	0.009729164	0.000139337	0.000157943	5.33617E-05	0.081183113	2.11168E-06	6.71956E-05	0.000418736	0.001688033	8.8055E-05
2049 Feb	0.000777107	0.095847577	1.00041E-05	1.231007099	1.691388726	0.020655097	0.000297936	8.534269333	0.001104856	0.009729678	0.000139435	0.000157951	5.33709E-05	0.08121074	2.11167E-06	6.71995E-05	0.000418938	0.001688017	8.80444E-05
2049 Mar	0.000777181	0.095866196	1.00041E-05	1.231145263	1.69180727	0.020667173	0.000297935	8.534532547	0.001104954	0.009729957	0.000139489	0.000157956	5.33759E-05	0.08122579	2.11166E-06	6.72017E-05	0.000419048	0.001688008	8.80386E-05
2049 Apr	0.000777223	0.095876791	1.0004E-05	1.231223822	1.692045331	0.020674046	0.000297935	8.534682274	0.00110501	0.009730116	0.000139519	0.000157959	5.33788E-05	0.081234366	2.11166E-06	6.72029E-05	0.000419111	0.001688003	8.80353E-05
2049 May	0.000779356	0.096488088	1.0004E-05	1.235172391	1.705268145	0.021076968	0.000297485	8.530228615	0.001108143	0.009738101	0.000143189	0.000158282	5.37231E-05	0.081678689	2.11116E-06	6.72383E-05	0.000423079	0.001688615	8.76397E-05
2049 Jun	0.000725978	0.094165944	1.00026E-05	1.126045704	1.57170403	0.020560516	0.000228213	6.453275204	0.00108289	0.009515467	0.000143413	0.00018404	5.13495E-05	0.071991518	2.07123E-06	6.14716E-05	0.000464294	0.001831697	5.61632E-05
2049 Jul	0.0007053	0.091838285	1.00019E-05	1.064861536	1.478484988	0.019006174	0.000200405	5.504936218	0.00105938	0.009387149	0.000133478	0.000188497	4.9271E-05	0.066402502	2.0535E-06	5.86159E-05	0.000456338	0.001860278	4.21822E-05
2049 Aug	0.000708811	0.091503568	1.00019E-05	1.06321764	1.476932287	0.018705532	0.000205007	5.443502903	0.001056351	0.009365562	0.000130927	0.000183555	4.92584E-05	0.066247731	2.05174E-06	5.85384E-05	0.000443891	0.001836376	4.07917E-05
2049 Sep	0.000726611	0.090830192	1.00017E-05	1.068324089	1.497204304	0.017846182	0.000235791	5.321310043	0.001051042	0.009448138	0.000120225	0.000168147	4.89393E-05	0.066751093	2.04686E-06	6.02204E-05	0.000415575	0.001767474	3.69487E-05
2049 Oct	0.000748117	0.091089003	1.00016E-05	1.073359847	1.523560286	0.017164724	0.000264099	5.238737583	0.001046874	0.009615671	0.00011196	0.000156051	4.82094E-05	0.067375615	2.04304E-06	6.24069E-05	0.000397729	0.001713383	3.39319E-05
2049 Nov	0.000752019	0.091135964	1.00015E-05	1.074273586	1.528342485	0.017041074	0.000269236	5.223754406	0.001046118	0.00964607	0.00011046	0.000153856	4.80769E-05	0.067488931	2.04234E-06	6.28036E-05	0.00039449	0.001703569	3.33845E-05
2049 Dec	0.000752169	0.091137782	1.00015E-05	1.074308872	1.52852726	0.017036298	0.000269434	5.223176003	0.001046089	0.009647244	0.000110402	0.000153771	4.80718E-05	0.067493312	2.04232E-06	6.2819E-05	0.000394365	0.00170319	3.33634E-05
2050 Jan	0.000752298	0.091161713	1.00015E-05	1.074501395	1.529103279	0.017050486	0.000269482	5.223638058	0.001046209	0.00964787	0.000110458	0.000153758	4.80773E-05	0.067514144	2.04231E-06	6.28256E-05	0.000394475	0.001703089	3.33557E-05
2050 Feb	0.000752424	0.091193587	1.00015E-05	1.074751496	1.529826283	0.017071232	0.000269485	5.224446297	0.00104638	0.009648351	0.000110551	0.000153766	4.80863E-05	0.067541018	2.0423E-06	6.28296E-05	0.000394663	0.001703072	3.33521E-05
2050 Mar	0.000752494	0.091210969	1.00015E-05	1.074887753	1.530220509	0.01708254	0.000269487	5.224887371	0.001046474	0.009648613	0.000110602	0.000153771	4.80913E-05	0.067555673	2.0423E-06	6.28319E-05	0.000394766	0.001703063	3.33501E-05
2050 Apr	0.000752533	0.091220856	1.00015E-05	1.074965358	1.530444741	0.017088972	0.000269487	5.225137711	0.001046527	0.009648762	0.000110631	0.000153773	4.80941E-05	0.067564003	2.0423E-06	6.28332E-05	0.000394824	0.001703058	3.33489E-05
2050 May	0.000753895	0.091604605	1.00015E-05	1.07778883	1.538912296	0.017343309	0.000269292	5.231472015	0.001048588	0.009653833	0.000112933	0.000153981	4.83172E-05	0.067871042	2.04218E-06	6.28666E-05	0.000397299	0.001703387	3.32581E-05
2050 Jun	0.000741958	0.097513497	1.0001E-05	1.083513618	1.621518254	0.022195918	0.000219952	4.640743256	0.001079694	0.009587781	0.000159852	0.000178704	5.16892E-05	0.069267027	2.02846E-06	6.0148E-05	0.000477607	0.001816249	2.24419E-05
2050 Jul	0.000721926	0.094504483	1.00008E-05	1.03274262	1.516978264	0.020094346	0.000195643	4.149345875	0.00105513	0.009438445	0.000145535	0.000181252	4.94815E-05	0.064379349	2.02123E-06	5.75697E-05	0.000458011	0.001830986	1.67402E-05
2050 Aug	0.000727659	0.094204009	1.00007E-05	1.02922523	1.510156989	0.019596474	0.000198992	4.115618706	0.001049795	0.009410823	0.0001424	0.000174791	4.92936E-05	0.064061306	2.02018E-06	5.73365E-05	0.000439604	0.001797597	1.59143E-05
2050 Sep	0.000738574	0.093344316	1.00007E-05	1.035420179	1.521388412	0.018872736	0.000222317	4.115366936	0.001046189	0.009451894	0.000133318	0.000163583	4.91349E-05	0.064563803	2.01872E-06	5.8555E-05	0.000417334	0.001747446	1.47619E-05
2050 Oct	0.000743626	0.093357489	1.00007E-05	1.037320852	1.527389169	0.018684385	0.000229555	4.119277954	0.001045261	0.009493051	0.000131021	0.000160697	4.89513E-05	0.064761475	2.01835E-06	5.91266E-05	0.000412907	0.001734536	1.44653E-05
2050 Nov	0.000743965	0.093358375	1.00007E-05	1.037448049	1.527791023	0.018671772	0.000230039	4.119540215	0.001045199	0.009495808	0.000130867	0.000160504	4.89391E-05	0.064774707	2.01832E-06	5.91649E-05	0.00041261	0.001733671	1.44454E-05
2050 Dec	0.000744058	0.093358614	1.00007E-05	1.037483215	1.527901769	0.018668296	0.000230173	4.119612217	0.001045182	0.009496567	0.000130824	0.000160451	4.89357E-05	0.064778358	2.01831E-06	5.91754E-05	0.000412528	0.001733433	1.44399E-05
2051 Jan	0.000744156	0.093375146	1.00007E-05	1.03762722	1.528315425	0.018677803	0.000230222	4.120121002	0.001045265	0.009497084	0.000130857	0.000160437	4.89392E-05	0.064793728	2.01831E-06	5.91814E-05	0.000412597	0.001733341	1.44372E-05
2051 Feb	0.000744246	0.093397439	1.00007E-05	1.037806273	1.528825045	0.018692298	0.000230227	4.120776653	0.001045386	0.009497434	0.000130922	0.000160442	4.89455E-05	0.064812876	2.01831E-06	5.91845E-05	0.000412729	0.001733327	1.44361E-05
2051 Mar	0.000744295	0.093409605	1.00007E-05	1.037903905	1.529103041	0.018700201	0.00023023	4.121134281	0.001045452	0.009497626	0.000130957	0.000160445	4.89489E-05	0.064823322	2.01831E-06	5.91863E-05	0.0004128	0.001733319	1.44355E-05
2051 Apr	0.000744323	0.093416519	1.00007E-05	1.037959576	1.529261112	0.018704699	0.000230231	4.121337414	0.00104549	0.009497734	0.000130976	0.000160447	4.89509E-05	0.06482926	2.01831E-06	5.91873E-05	0.000412841	0.001733315	1.44352E-05
2051 May	0.00075397	0.09605056	1.00007E-05	1.058343291	1.588315368	0.020447621	0.000229608	4.186370373	0.001059882	0.009535931	0.000146707	0.000161773	5.04963E-05	0.067021519	2.01796E-06	5.9489E-05	0.000429763	0.001735061	1.41599E-05
2051 Jun	0.000779887	0.112716496	1.00003E-05	1.159413099	1.920372963	0.032579467	0.00018177	4.149912834	0.001154727	0.009662936	0.000257783	0.000194906	6.03328E-05	0.078358479	2.00924E-06	5.87535E-05	0.000587797	0.001869685	7.28349E-06
2051 Jul	0.000753787	0.107834511	1.00003E-05	1.111252427	1.795084596	0.029510733	0.000169582	3.884121895	0.001127036	0.009549645	0.000231417	0.000197868	5.73707E-05	0.073368318	2.00766E-06	5.72576E-05	0.000565474	0.001892443	6.03879E-06
2051 Aug	0.000758607	0.10506209	1.00003E-05	1.103573084	1.761243582	0.027589263	0.000188705	3.86605525	0.001112105	0.009465053	0.000213451	0.000181926	5.66458E-05	0.072350614	2.00691E-06	5.7271E-05	0.000517715	0.001817833	5.4487E-06
2051 Sep	0.000779661	0.103029728	1.00002E-05	1.105828404	1.758964181	0.025423128	0.00023229	3.907429457	0.001098643	0.009617598	0.000189978	0.000162481	5.50754E-05	0.072391644	2.00608E-06	6.00667E-05	0.000475284	0.001732232	4.79439E-06
2051 Oct	0.000826958	0.100999288	1.00002E-05	1.111263633	1.772688746	0.021842627	0.000311039	3.997952223	0.001076462	0.010040879	0.000151532	0.000130442	5.16855E-05	0.072843246	2.00471E-06	6.6123E-05	0.000412709	0.001591192	3.71631E-06
2051 Nov	0.000831846	0.10078945	1.00002E-05	1.111825347	1.774107099	0.021472609	0.000319177	4.007307529	0.00107417	0.010084621	0.000147558	0.000127131	5.13352E-05	0.072889917	2.00457E-06	6.67488E-05	0.000406242	0.001576616	3.6049E-06
2051 Dec	0.00083192	0.100786269	1.00002E-05	1.11183393	1.774128675	0.021466987	0.000319301	4.00744915	0.001074135	0.010085286	0.000147498	0.000127081	5.13299E-05	0.072890624	2.00457E-06	6.67583E-05	0.000406144	0.001576395	3.60321E-06
2052 Jan	0.00083205	0.100812696	1.00002E-05	1.112056255	1.774756908	0.021483161	0.00031934	4.008338928	0.001074273	0.010085896	0.000147557	0.000127074	5.13358E-05	0.072914317	2.00457E-06	6.67648E-05	0.000406277	0.001576317	3.60228E-06
2052 Feb	0.000832194	0.100850388	1.00002E-05	1.11235714	1.77560842	0.021507939	0.000319337	4.009492397	0.001074479	0.010086425	0.000147666	0.000127088	5.13465E-05	0.072946467	2.00457E-06	6.67693E-05	0.000406506	0.001576314	3.6018E-06
2052 Mar	0.000832273	0.100870796	1.00002E-05	1.112519979	1.776069403	0.021521358	0.000319335	4.010116577	0.001074591	0.010086711	0.000147725	0.000127096	5.13522E-05	0.072963879	2.00457E-06	6.67717E-05	0.00040663	0.001576312	3.60153E-06
2052 Apr	0.000832316	0.100882143	1.00002E-05	1.112610459	1.776325464	0.021528812	0.000319334	4.010463715	0.001074653	0.01008687	0.000147758	0.0001271	5.13554E-05	0.072973549	2.00457E-06	6.67731E-05	0.000406699	0.001576311	3.60139E-06
2052 May	0.00085397	0.107653044	1.00002E-05	1.164132595	1.923996449	0.026118755	0.000313022	4.192920208	0.001112253	0.010160134	0.000189644	0.000132432	5.5431E-05	0.078508697	2.00433E-06	6.71998E-05	0.000453002	0.001589195	3.41475E-06
2052 Jun	0.000887536	0.125302896	1.00001E-05	1.284909368	2.280671597	0.038833771	0.000265734	4.535461426	0.001213485	0.0102344	0.000307533	0.000161616	6.63732E-05	0.091649763	2.00304E-06	6.62678E-05	0.000601869	0.001695644	2.39335E-06
2052 Jul	0.000873508	0.121055342	1.00001E-05	1.238493562	2.159231186	0.035557624	0.000253652	4.354790688	0.001181993	0.010084736	0.000282795	0.000156286	6.35393E-05	0.086922944	2.00267E-06	6.42955E-05	0.000556666	0.00167015	2.10317E-06
2052 Aug	0.000869844	0.118723169	1.00001E-05	1.22530508	2.116214991	0.034039304	0.000258803	4.312690735	0.001169318	0.010004669	0.000269375	0.000149318	6.26748E-05	0.085433789	2.00251E-06	6.38224E-05	0.000528398	0.001638502	1.97879E-06
2052 Sep	0.000871365	0.116032951	1.00001E-05	1.216977477	2.082957983	0.032171037	0.000279326	4.298904419	0.001156379	0.01001447	0.000250102	0.000139436	6.14295E-05	0.084357291	2.00232E-06	6.47126E-05	0.000498616	0.001597733	1.82757E-06
2052 Oct	0.000876284	0.115119398	1.00001E-05	1.213371158	2.072054863	0.031231033	0.000291896	4.299364567	0.001149895	0.010076064	0.00024052	0.000134484	6.0541E-05	0.083944432	2.00222E-06	6.56367E-05	0.00048611	0.001577303	1.7518E-06
2052 Nov	0.000876378	0.115101874	1.00001E-05	1.213302016	2.071845531	0.031212993	0.000292137	4.29937315	0.001149771	0.010077246	0.000240336	0.000134389	6.0524E-05	0.083936512	2.00222E-06	6.56544E-05	0.00048587	0.001576911	1.75034E-06
2052 Dec	0.000876415	0.115095109	1.00001E-05	1.213275194	2.071764708	0.031206029	0.00029223	4.299376488	0.001149723	0.010077703	0.000240265	0.000134352	6.05174E-05	0.08393345	2.00222E-06	6.56613E-05	0.000485778	0.001576759	1.74978E-06

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.000876496	0.115110584	1.00001E-05	1.213408947	2.072140694	0.031215334	0.000292262	4.299931049	0.001149804	0.010078119	0.000240289	0.000134346	6.05198E-05	0.083947651	2.00222E-06	6.56659E-05	0.000485855	0.001576707	1.74948E-06
2053 Feb	0.000876589	0.115134664	1.00001E-05	1.213602304	2.072686911	0.031231135	0.000292262	4.300681591	0.001149936	0.010078476	0.000240354	0.000134355	6.05261E-05	0.083968289	2.00222E-06	6.5669E-05	0.000486001	0.001576704	1.74932E-06
2053 Mar	0.000876639	0.115147799	1.00001E-05	1.213707566	2.072984695	0.031239746	0.000292262	4.30109024	0.001150007	0.01007867	0.00024039	0.000134359	6.05296E-05	0.083979547	2.00222E-06	6.56707E-05	0.000486081	0.001576703	1.74923E-06
2053 Apr	0.000876668	0.11515528	1.00001E-05	1.213767648	2.073153973	0.031244654	0.000292262	4.301322937	0.001150048	0.010078781	0.00024041	0.000134362	6.05315E-05	0.083985955	2.00222E-06	6.56717E-05	0.000486127	0.001576702	1.74918E-06
2053 May	0.000924628	0.130100846	1.00001E-05	1.328448296	2.40096426	0.041371107	0.000280091	4.71608448	0.00123354	0.010261356	0.000332327	0.000146647	6.94547E-05	0.096287817	2.00193E-06	6.68701E-05	0.000590675	0.001608593	1.5245E-06
2053 Jun	0.000983689	0.154400334	1E-05	1.504651308	2.912365913	0.05845597	0.000236485	5.292417526	0.001372513	0.010483407	0.000488421	0.000179929	8.41458E-05	0.115305714	2.00116E-06	6.7391E-05	0.000786692	0.001724979	9.15787E-07
2053 Jul	0.000959463	0.149571702	1E-05	1.46147716	2.793646812	0.055426795	0.000227932	5.107518673	0.001346229	0.010381128	0.000461881	0.000181923	8.13089E-05	0.110753581	2.00108E-06	6.61919E-05	0.000763409	0.001742863	8.52645E-07
2053 Aug	0.000954867	0.147520572	1E-05	1.449115157	2.754652977	0.054101549	0.000232073	5.066919804	0.001355455	0.010331508	0.000449787	0.000177621	8.04036E-05	0.109371319	2.00105E-06	6.59428E-05	0.000743435	0.001724978	8.27858E-07
2053 Sep	0.000953055	0.146627218	1E-05	1.444881558	2.740038157	0.053554665	0.000235151	5.053625107	0.001331326	0.010315282	0.000444444	0.000175682	8.00492E-05	0.108872563	2.00104E-06	6.59439E-05	0.000735404	0.001717348	8.1767E-07
2053 Oct	0.000953418	0.146109223	1E-05	1.441782236	2.730982304	0.053121038	0.00023857	5.046305656	0.001328065	0.010326943	0.000440257	0.000174149	7.9655E-05	0.108533256	2.00103E-06	6.61511E-05	0.000730105	0.001711321	8.09621E-07
2053 Nov	0.00095382	0.145537466	1E-05	1.438361287	2.720986605	0.052642409	0.000242344	5.038226604	0.001324465	0.010339815	0.000435634	0.000172458	7.92199E-05	0.108158723	2.00102E-06	6.63799E-05	0.000724255	0.001704668	8.00738E-07
2053 Dec	0.000953836	0.145515159	1E-05	1.438227773	2.720597029	0.052623749	0.000242491	5.037911415	0.001324325	0.010340316	0.000435454	0.000172392	7.92029E-05	0.108144119	2.00102E-06	6.63888E-05	0.000724027	0.001704409	8.00391E-07
2054 Jan	0.000953927	0.145528957	1E-05	1.438356042	2.720953465	0.052631289	0.000242546	5.038489819	0.001324393	0.010340823	0.00043544	0.000172375	7.92017E-05	0.108157672	2.00101E-06	6.63949E-05	0.000724075	0.001704306	8.002E-07
2054 Feb	0.000954044	0.145558015	1E-05	1.438591599	2.721617222	0.052650169	0.000242553	5.039421082	0.001324551	0.010341275	0.000435505	0.000172382	7.9208E-05	0.108182803	2.00101E-06	6.63991E-05	0.000724246	0.001704287	8.00101E-07
2054 Mar	0.000954108	0.145573825	1E-05	1.438719749	2.721978664	0.052660443	0.000242556	5.039927483	0.001324637	0.010341523	0.00043554	0.000172386	7.92114E-05	0.108196482	2.00101E-06	6.64014E-05	0.000724338	0.001704276	8.00047E-07
2054 Apr	0.000954145	0.14558284	1E-05	1.438792944	2.722184658	0.052666299	0.000242558	5.040216446	0.001324686	0.010341663	0.00043556	0.000172388	7.92134E-05	0.108204283	2.00101E-06	6.64027E-05	0.000724391	0.00170427	8.00016E-07
2054 May	0.00096422	0.14850837	1E-05	1.461529613	2.786978483	0.054621041	0.000241026	5.125003338	0.001340871	0.010381112	0.00045327	0.000174348	8.09416E-05	0.110640533	2.00098E-06	6.66955E-05	0.000743989	0.001708375	7.72792E-07
2054 Jun	0.000962688	0.154861465	1E-05	1.497491241	2.89962554	0.059592288	0.000208081	5.188104153	0.001379654	0.01038269	0.000499699	0.000195422	8.48291E-05	0.114649415	2.00061E-06	6.56191E-05	0.000819459	0.001798971	4.80155E-07
2054 Jul	0.000914146	0.142621413	1E-05	1.387783527	2.598564863	0.051255383	0.000195073	4.757838726	0.001306697	0.01013348	0.00042829	0.000190652	7.72901E-05	0.103134699	2.0005E-06	6.28039E-05	0.000735346	0.001793037	3.93614E-07
2054 Aug	0.000903902	0.137058452	1E-05	1.359428287	2.502895355	0.047745571	0.000211933	4.673821449	0.001279203	0.01000607	0.000395225	0.000177074	7.50783E-05	0.099853255	2.00046E-06	6.24555E-05	0.000679383	0.001736197	3.60286E-07
2054 Sep	0.000898436	0.132859439	1E-05	1.341878176	2.439415216	0.045091052	0.000231447	4.628144264	0.001259748	0.009953811	0.000368802	0.00016613	7.33637E-05	0.097730488	2.00043E-06	6.28471E-05	0.0006391	0.001692216	3.35182E-07
2054 Oct	0.000903838	0.130566597	1E-05	1.329376698	2.402867794	0.042991064	0.000252161	4.609373093	0.001244422	0.010045041	0.000348162	0.000157507	7.13952E-05	0.096353911	2.0004E-06	6.42722E-05	0.000613015	0.001657568	3.15405E-07
2054 Nov	0.000905868	0.129705235	1E-05	1.324680209	2.389137983	0.042202149	0.000259942	4.602321148	0.001238664	0.010079314	0.000340409	0.000154268	7.06556E-05	0.095836766	2.00039E-06	6.48076E-05	0.000603215	0.001644552	3.07975E-07
2054 Dec	0.000905909	0.129687935	1E-05	1.324585915	2.388862133	0.042186309	0.000260098	4.602179527	0.001238549	0.010080002	0.000340253	0.000154203	7.06408E-05	0.095826387	2.00039E-06	6.48184E-05	0.000603018	0.00164429	3.07826E-07
2055 Jan	0.000906024	0.12970759	1E-05	1.324759483	2.389348745	0.042197526	0.000260155	4.602941513	0.001238648	0.010080636	0.000340263	0.000154189	7.06418E-05	0.095844798	2.00039E-06	6.48256E-05	0.000603104	0.001644192	3.07744E-07
2055 Feb	0.000906161	0.129742146	1E-05	1.325037718	2.390134573	0.042220004	0.00026016	4.604039192	0.001238836	0.010081178	0.000340348	0.000154199	7.065E-05	0.095874511	2.00039E-06	6.48305E-05	0.000603311	0.001644179	3.07701E-07
2055 Mar	0.000906236	0.129760951	1E-05	1.325188994	2.390562057	0.042232238	0.000260162	4.604636192	0.001238939	0.010081472	0.000340394	0.000154205	7.06544E-05	0.095890678	2.00039E-06	6.48331E-05	0.000603423	0.001644172	3.07678E-07
2055 Apr	0.000906278	0.12977168	1E-05	1.32527554	2.390806198	0.042239215	0.000260164	4.604976654	0.001238997	0.01008164	0.00034042	0.000154208	7.0657E-05	0.095899902	2.00039E-06	6.48346E-05	0.000603487	0.001644168	3.07665E-07
2055 May	0.000906295	0.12977612	1E-05	1.325310946	2.390906334	0.042242121	0.000260164	4.605114937	0.001239021	0.010081708	0.000340435	0.00015421	7.06583E-05	0.095903687	2.00039E-06	6.48352E-05	0.000603515	0.001644168	3.07658E-07
2055 Jun	0.000784339	0.111151636	1E-05	1.145216703	1.904785514	0.0314551	0.000196391	3.770911455	0.001143852	0.009651008	0.000246097	0.000184388	5.96458E-05	0.077029228	2.00023E-06	5.89283E-05	0.000562301	0.001825669	1.85155E-07
2055 Jul	0.000747719	0.104823053	1E-05	1.082422256	1.736471891	0.027496777	0.00017632	3.495591402	0.001108277	0.009498136	0.000212612	0.000190739	5.5737E-05	0.070491455	2.00018E-06	5.68317E-05	0.000537157	0.001866239	1.41677E-07
2055 Aug	0.000750541	0.104050912	1E-05	1.079060435	1.724142671	0.026833056	0.000181344	3.498429775	0.001102645	0.009471417	0.000207091	0.000185167	5.54294E-05	0.07010217	2.00017E-06	5.67583E-05	0.000519928	0.001838903	1.36323E-07
2055 Sep	0.000756486	0.102312431	1E-05	1.081101298	1.716502309	0.025676364	0.000202739	3.535006285	0.001095741	0.009469299	0.000194254	0.000174057	5.50382E-05	0.070081793	2.00016E-06	5.76239E-05	0.000492294	0.001789536	1.27153E-07
2055 Oct	0.000761254	0.102142721	1E-05	1.082099557	1.718615294	0.025346115	0.000210492	3.550828218	0.001093786	0.009510757	0.000190676	0.000170912	5.47312E-05	0.070169948	2.00016E-06	5.82236E-05	0.000486265	0.001775561	1.24557E-07
2055 Nov	0.000762496	0.10209851	1E-05	1.082359672	1.719165802	0.025260065	0.000212512	3.554950714	0.001093277	0.009521559	0.000189744	0.000170092	5.46512E-05	0.070192918	2.00016E-06	5.83799E-05	0.000484694	0.001771919	1.23881E-07
2055 Dec	0.000762655	0.102092847	1E-05	1.08239305	1.719236255	0.025249057	0.000212771	3.555478096	0.001093212	0.009522941	0.000189625	0.000169987	5.46409E-05	0.070195854	2.00016E-06	5.83999E-05	0.000484493	0.001771453	1.23794E-07
2056 Jan	0.000762845	0.102126442	1E-05	1.082688689	1.720062971	0.025268661	0.000212856	3.556770802	0.001093384	0.009523908	0.000189687	0.000169965	5.46475E-05	0.070227228	2.00016E-06	5.84109E-05	0.00048464	0.001771291	1.23753E-07
2056 Feb	0.00076304	0.102174081	1E-05	1.083075762	1.721153378	0.025299478	0.00021287	3.558312893	0.001093642	0.009524675	0.000189819	0.000169975	5.46604E-05	0.070268512	2.00016E-06	5.84181E-05	0.000484917	0.001771253	1.23732E-07
2056 Mar	0.000763146	0.102200001	1E-05	1.083286285	1.721746564	0.025316238	0.000212878	3.559151411	0.001093783	0.009525092	0.00018989	0.000169981	5.46675E-05	0.070290968	2.00016E-06	5.84219E-05	0.000485068	0.001771232	1.23721E-07
2056 Apr	0.000763205	0.102214463	1E-05	1.083403826	1.722077489	0.025325594	0.000212882	3.559619427	0.001093861	0.009525325	0.00018993	0.000169984	5.46714E-05	0.0703035	2.00016E-06	5.84241E-05	0.000485152	0.001771221	1.23714E-07
2056 May	0.0008049	0.113287583	1E-05	1.171031356	1.970710516	0.032584224	0.000211566	3.899684191	0.001154341	0.009694458	0.000255529	0.000175123	6.11218E-05	0.079677522	2.00014E-06	5.98439E-05	0.00055494	0.001775821	1.1312E-07
2056 Jun	0.000913349	0.144463733	1E-05	1.41200304	2.658859253	0.053258874	0.000196529	4.811906338	0.001325711	0.010147828	0.000442963	0.000196376	7.92404E-05	0.10552495	2.00009E-06	6.32547E-05	0.000764807	0.001821916	6.93102E-08
2056 Jul	0.00089803	0.140325159	1E-05	1.374223113	2.555733442	0.050356451	0.000192373	4.668190956	0.001300144	0.010064718	0.000418384	0.000193993	7.66164E-05	0.101574562	2.00008E-06	6.2295E-05	0.000734014	0.001815694	6.42917E-08
2056 Aug	0.000893456	0.136857554	1E-05	1.349955082	2.483447075	0.047818776	0.000199203	4.598100185	0.0012786	0.009985716	0.000396461	0.000184607	7.47725E-05	0.098950557	2.00008E-06	6.1807E-05	0.000693062	0.001773568	6.02544E-08
2056 Sep	0.000894123	0.135319158	1E-05	1.342966199	2.460157633	0.046657093	0.000209598	4.585335255	0.001270139	0.010000817	0.000384957	0.000179608	7.38606E-05	0.098135971	2.00007E-06	6.23117E-05	0.000676678	0.001753264	5.84245E-08
2056 Oct	0.000899448	0.133024156	1E-05	1.3311373	2.424601316	0.044593256	0.00023031	4.570041656	0.001255134	0.010084087	0.00036463	0.000170743	7.19799E-05	0.09681759	2.00007E-06	6.36829E-05	0.000650035	0.001717257	5.51794E-08
2056 Nov	0.000900672	0.132496804	1E-05	1.328419328	2.41643095	0.04411903	0.000235069	4.566527843	0.001251686	0.01010322	0.00035996	0.000168706	7.15477E-05	0.096514657	2.00007E-06	6.3998E-05	0.000643913	0.001708983	5.44337E-08
2056 Dec	0.000900713	0.132478967	1E-05	1.328327179	2.416154385	0.044102978	0.00023523	4.566409111	0.00125157	0.010103868	0.000359801	0.000168637	7.15331E-05	0.096504405	2.00007E-06	6.40087E-05	0.000643706	0.001708703	5.44085E-08
2057 Jan	0.000900825	0.132497013	1E-05	1.328491926	2.416612148	0.044113196	0.000235291	4.567146301	0.001251661	0.010104467	0.000359806	0.000168619	7.15338E-05	0.09652181	2.00007E-06	6.40158E-05	0.000643778	0.001708593	5.43946E-08
2057 Feb	0.000900957	0.132529661	1E-05	1.328757405	2.417359591	0.044134427	0.000235299	4.568199635	0.001251839	0.010104982	0.000359884	0.000168628	7.15416E-05	0.096550107	2.00007E-06	6.40206E-05	0.00064397	0.001708572	5.43875E-08
2057 Mar	0.000901028	0.132547468	1E-05	1.328902245	2.417767286	0.044146009	0.000235303	4.568774223	0.001251937	0.010105262	0.000359927	0.000168632	7.15458E-05	0.096565552	2.00007E-06	6.40232E-05	0.000644075	0.00170856	5.43835E-08
2057 Apr	0.000901069	0.132557616	1E-05	1.328984618	2.417999268	0.044152603	0.000235305	4.569101334	0.001251992	0.010105422	0.000359952	0.000168634	7.15482E-05	0.096574336	2.00007E-06	6.40246E-05	0.000644134	0.001708554	5.43813E-08
2057 May	0.00090947	0.134939164	1E-05	1.347700238	2.471123934	0.045739304	0.000234397	4.640377522	0.001265182	0.010138994	0.000374287	0.00017011	7.29539E-05	0.098576464	2.00007E-06	6.42889E-05	0.000659919	0.001711351	5.30734E-08
2057 Jun	0.000879518	0.135907426	1E-05	1.337728143	2.45505619	0.047445446	0.000193279	4.51716423	0.001276487	0.010045141	0.000391245	0.000195043	7.3719E-05	0.097695969	2.00004E-06	6.21435E-05	0.000715045	0.001831314	3.09784E-08
2057 Jul	0.000853002	0.130303949	1E-05	1.287703276	2.317391634	0.043845031	0.000184633	4.310590744	0.001245253	0.009931125	0.000359854	0.000196256	7.03678E-05	0.09242548	2.00004E-06	6.08188E-05	0.000685314	0.001846398	2.75989E-08
2057 Aug	0.000852396	0.129516587	1E-05	1.28301847	2.302528143	0.043281615	0.000186988	4.298963547	0.001240582	0.009911653	0.000354888	0.000193673	7.00018E-05	0.091904432	2.00003E-06	6.07331E-05	0.000675262	0.001834648	2.71408E-08
2057 Sep	0.000853405	0.128223762	1E-05	1.278342485	2.285060406	0.042337578	0.000196505	4.294226646	0.00123384	0.009917346	0.000345424	0.000188806	6.93422E-05	0.091327235	2.00003E-06	6.11418E-05	0.000660204	0.001814201	2.63802E-08
2057 Oct	0.000857313	0.127244577	1E-05	1.274098277	2.271754742	0.041398056	0.000207549	4.294678211	0.00122715	0.009962628	0.000336085	0.000183976	6.85027E-05	0.090842925	2.00003E-06	6.18816E-05	0.000646951	0.00179391	2.56255E-08
2057 Nov	0.000857833	0.12711443	1E-05	1.27353406	2.269985914	0.041273169	0.000209017	4.294738293	0.001226261	0.009968647	0.000334843	0.000183334	6.83911E-05	0.090778552	2.00003E-06	6.198E-05	0.00064519	0.001791213	2.55251E-08
2057 Dec	0.000857885	0.127101406	1E-05	1.273477674	2.269809008	0.041260671	0.000209164	4.294744015	0.001226172	0.009969248	0.000334719	0.00018327	6.83799E-05	0.090772115	2.00003E-06	6.19898E-05	0.000645014	0.001790943	2.55151E-08
2058 Jan	0.000857989	0.127117872	1E-05	1.273629308	2.270228863	0.041269954	0.000209221	4.295428753	0.001226255	0.009969788	0.000334728	0.000183252	6.83812E-05	0.090788126	2.00003E-06	6.19963E-05	0.000645074	0.001790831	2.55096E-08
2058 Feb	0.000858106	0.127146259	1E-05	1.273861051	2.270880938	0.041288324	0.00020923	4.296354771	0.001226409	0.009970239	0.000334798	0.000183257	6.83881E-05	0.090818232	2.00003E-06	6.20006E-05	0.000645237	0.001790804	2.55067E-08
2058 Mar	0.000858169	0.127161726	1E-05	1.273987412	2.271236181	0.041298337	0.000209236	4.296859741	0.001226493	0.009970486	0.000334836	0.00018326	6.83919E-05	0.090826303	2.00003E-06	6.20029E-05	0.000645326	0.00179079	2.55051E-08
2058 Apr	0.000858206	0.127170533	1E-05	1.274059415	2.271438599	0.041304041	0.000209239	4.297147274	0.001226541	0.009970627	0.000334857	0.000183262	6.83941E-05	0.090833962	2.00003E-06	6.20042E-05	0.000645377	0.001790781	2.55043E-08
2058 May	0.000897625	0.137667149	1E-05	1.357812047	2.508232117	0.048223078	0.000208059	4.622409821	0.001284237	0.010124501	0.000397342	0.000187963	7.45913E-05	0.099779882	2.00003E-06	6.33118E-05	0.000711237	0.001794221	2.29386E-08
2058 Jun	0.000987121	0.16467075	1E-05	1.566999078	3.103857517	0.066405229	0.000190285	5.405181885	0.001434761	0.010478658	0.000562196	0.000208644	9.06261E-05	0.122189045	2.00001E-06	6.58366E-05	0.000897675	0.001844843	1.16536E-08
2058 Jul	0.000961045	0.158605143	1E-05	1.514819741	2.959002972	0.062444713	0.00018471	5.195564747	0.001400818	0.010366276	0.000527334	0.000208079	8.70064E-05	0.116669558	2.00001E-06	6.4633E-05	0.000862175	0.001852267	1.07679E-08
2058 Aug	0.000955743	0.155767649	1E-05	1.494892597	2.899799347	0.060437296	0.000189476	5.133460045	0.001383939	0.010306051	0.000509717	0.000201779	8.55E-05	0.114510708	2.00001E-06	6.42607E-05	0.00083232	0.001825147	1.03563E-08
2058 Sep	0.000953687	0.150794834	1E-05	1.46770525	2.814874172	0.056732796	0.000215589	5.065440655	0.001355985	0.010330942	0.000473906	0.000188544	8.24768E-05	0.111451782	2.00001E-06	6.53931E-05	0.000783417	0.001772714	9.60224E-09
2058 Oct	0.000955668	0.147697315	1E-05	1.449287176	2.760614872	0.054156777	0.0002356	5.024240017	0.00133657	0.010394701	0.000449096	0.000179352	8.01601E-05	0.109431013	2.00001E-06	6.65715E-05	0.000751435	0.001736298	9.07854E-09
2058 Nov	0.000955893	0.147345051	1E-05	1.447192669	2.754444599	0.053863823	0.000237876	5.019554615	0.001334362	0.010401951	0.000446274	0.000178307	7.98967E-05	0.109201208	2.00001E-06	6.67055E-05	0.000747798	0.001732156	9.01899E-09
2058 Dec	0.000955908	0.147321463	1E-05	1.44705236	2.754030943	0.053844199	0.000238028	5.019240379	0.001334214	0.010402436	0.000446085	0.000178237	7.9879E-05	0.109185822	2.00001E-06	6.67145E-05	0.000747554	0.001731879	9.015E-09
2059 Jan	0.000956001	0.147335052	1E-05	1.44718051	2.754385233	0.053851575	0.000238085	5.019833565	0.001334282	0.010402936	0.000446068	0.000178218	7.98777E-05	0.10919933	2.00001E-06	6.67206E-05	0.000747597	0.001731768	9.0128E-09
2059 Feb	0.00095612	0.147364333	1E-05	1.44741869	2.755055428	0.053870589	0.000238092	5.020781517	0.001334441	0.010403389	0.000446133	0.000178224	7.9884E-05	0.109224729	2.00001E-06	6.67248E-05	0.000747767	0.001731745	9.01167E-09
2059 Mar	0.000956185	0.147380292	1E-05	1.447548628	2.755421162	0.053880967	0.000238096	5.021298409	0.001334528	0.010403636	0.000446168	0.000178228	7.98874E-05	0.10923858	2.00001E-06	6.67271E-05	0.00074786	0.001731733	9.01105E-09
2059 Apr	0.000956221	0.147389397	1E-05	1.447622538	2.755629063	0.053886872	0.000238099	5.021592617	0.001334577	0.010403777	0.000446188	0.00017823	7.98894E-05	0.109246463	2.00001E-06	6.67284E-05	0.000747913	0.001731725	9.0107E-09
2059 May	0.000974023	0.152485758	1E-05	1.487545609	2.868898153	0.057291321	0.000235641	5.173586845	0.001362777	0.010470205	0.000477067	0.000181365	8.29246E-05	0.113518439	2.00001E-06	6.72297E-05	0.000781362	0.001737372	8.46492E-09
2059 Jun	0.001014784	0.166567802	1E-05	1.593351126	3.171957731	0.066972896	0.00021799	5.555614948	0.001442093	0.010617517	0.000565477	0.000195897	9.1409E-05	0.124887779	2.00001E-06	6.79476E-05	0.000885004	0.001781196	5.93569E-09
2059 Jul	0.001001622	0.163657099	1E-05	1.567942739	3.101612091	0.065093569	0.000214409	5.452095985	0.001425892	0.010559845	0.000549006	0.000196049	8.9683E-05	0.122203648	2.00001E-06	6.73077E-05	0.00086871	0.001786741	5.72406E-09
2059 Aug	0.000998624	0.16235359	1E-05	1.558961391	3.074690819	0.064207256	0.00021628	5.422682762	0.001418492	0.010530776	0.00054114	0.000193542	8.90218E-05	0.121224999	2.00001E-06	6.71238E-05	0.000856037	0.001776315	5.63214E-09
2059 Sep	0.000995328	0.158982903	1E-05	1.539320111	3.014368534	0.061755564	0.00023111	5.367607594	0.001399717	0.01053459	0.000517662	0.000185757	8.70077E-05	0.119035691	2.00001E-06	6.7681E-05	0.000824778	0.001746197	5.37946E-09
2059 Oct	0.000994543	0.149401486	1E-05	1.478967786	2.838264465	0.054050725	0.000282921	5.211668491	0.001340781	0.010676935	0.000444137	0.000161317	8.00766E-05	0.11245437	2.00001E-06	7.05295E-05	0.000732215	0.001651656	4.58629E-09
2059 Nov	0.000994425	0.147962004	1E-05	1.469900608	2.811806917	0.052893165	0.000290705	5.188240051	0.001331926	0.01069832	0.000433091	0.000157645	7.90353E-05	0.111465603	2.00001E-06	7.09574E-05	0.000718308	0.001637452	4.46712E-09

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.000994423	0.147936895	1E-05	1.469742537	2.811345816	0.052872989	0.000290841	5.187831879	0.001331772	0.010698694	0.000432898	0.000157581	7.90171E-05	0.11144837	2.00001E-06	7.09649E-05	0.000718066	0.001637204	4.46504E-09
2060 Jan	0.00099451	0.147951096	1E-05	1.469871998	2.811704874	0.052881032	0.000290887	5.188414097	0.001331844	0.010699143	0.000432884	0.000157566	7.9016E-05	0.111462049	2.00001E-06	7.09703E-05	0.000718119	0.001637112	4.4639E-09
2060 Feb	0.000994632	0.147982121	1E-05	1.47012198	2.812409401	0.052901372	0.000290887	5.189398289	0.001332013	0.010699585	0.000432954	0.000157576	7.90228E-05	0.11148873	2.00001E-06	7.09742E-05	0.000718304	0.0016371	4.46331E-09
2060 Mar	0.000994697	0.147998944	1E-05	1.47025764	2.812791348	0.052912403	0.000290888	5.18993187	0.001332105	0.010699824	0.000432992	0.000157581	7.90265E-05	0.111503199	2.00001E-06	7.09763E-05	0.000718404	0.001637094	4.46298E-09
2060 Apr	0.000994734	0.148008302	1E-05	1.47033298	2.813003778	0.052918535	0.000290888	5.190228462	0.001332156	0.010699957	0.000433013	0.000157584	7.90285E-05	0.111511238	2.00001E-06	7.09774E-05	0.00071846	0.00163709	4.4628E-09
2060 May	0.001034524	0.161021978	1E-05	1.569492102	3.095438242	0.061827313	0.000276335	5.554933548	0.001405078	0.010824669	0.00051452	0.00016887	8.69723E-05	0.122147582	2E-06	7.16046E-05	0.000809101	0.001666373	3.76728E-09
2060 Jun	0.001061692	0.175086215	1E-05	1.66841507	3.381917	0.071999408	0.000239309	5.879723072	0.001486481	0.010872433	0.000608897	0.000191473	9.58545E-05	0.132844388	2E-06	7.08406E-05	0.000925992	0.001747241	2.3743E-09
2060 Jul	0.001043729	0.17121537	1E-05	1.63462007	3.288239479	0.06952624	0.000234041	5.740950584	0.001465128	0.010792147	0.000587227	0.000191926	9.35882E-05	0.129272342	2E-06	6.9947E-05	0.000904835	0.001755808	2.2725E-09
2060 Aug	0.001027036	0.164955691	1E-05	1.596682429	3.168754101	0.065591209	0.000245138	5.612079144	0.001433448	0.010648588	0.000550848	0.000181196	9.08169E-05	0.125024602	2E-06	6.92299E-05	0.000850088	0.001713903	2.1228E-09
2060 Sep	0.000993595	0.149971485	1E-05	1.513067365	2.900210619	0.056010161	0.000288007	5.341059208	0.001359219	0.010424877	0.000459275	0.000153591	8.38388E-05	0.11552982	2E-06	6.91568E-05	0.00072248	0.001609628	1.75927E-09
2060 Oct	0.000993336	0.145932183	1E-05	1.485422492	2.822255135	0.052653655	0.00030926	5.266650677	0.001333296	0.010502465	0.000427502	0.00014395	8.06751E-05	0.112561606	2E-06	7.04445E-05	0.000684557	0.00157321	1.63231E-09
2060 Nov	0.000993246	0.144532651	1E-05	1.475844026	2.795244694	0.051490694	0.000316624	5.240869045	0.001324314	0.010529348	0.000416493	0.000140609	7.95789E-05	0.111533172	2E-06	7.08906E-05	0.000671418	0.001560592	1.58832E-09
2060 Dec	0.000993244	0.144504488	1E-05	1.475651383	2.794701338	0.051467292	0.000316772	5.240350723	0.001324133	0.010529889	0.000416272	0.000140542	7.95569E-05	0.111512475	2E-06	7.08996E-05	0.000671154	0.001560338	1.58743E-09
2061 Jan	0.000993346	0.144521862	1E-05	1.475798726	2.795120478	0.051476978	0.000316818	5.241006374	0.001324218	0.010530457	0.00041626	0.00014053	7.95554E-05	0.111528233	2E-06	7.09058E-05	0.000671229	0.001560254	1.58696E-09
2061 Feb	0.000993485	0.144557938	1E-05	1.476084471	2.795929909	0.051500499	0.000316814	5.242125988	0.001324413	0.010530988	0.000416343	0.000140544	7.95631E-05	0.111558795	2E-06	7.09103E-05	0.000671447	0.001560253	1.58672E-09
2061 Mar	0.00099356	0.144577518	1E-05	1.476239443	2.796369314	0.051513255	0.000316813	5.242733479	0.001324519	0.010531276	0.000416388	0.000140551	7.95673E-05	0.111575373	2E-06	7.09127E-05	0.000671566	0.001560252	1.58659E-09
2061 Apr	0.000993603	0.144588709	1E-05	1.476327896	2.796620369	0.051520549	0.000316812	5.243080616	0.00132458	0.010531442	0.000416413	0.000140556	7.95697E-05	0.11158485	2E-06	7.09141E-05	0.000671634	0.001560251	1.58651E-09
2061 May	0.001034372	0.158407301	1E-05	1.576525331	3.087331057	0.060830448	0.000297845	5.606707573	0.00140017	0.01068545	0.000502194	0.000154775	8.75868E-05	0.122423083	2E-06	7.1564E-05	0.000771539	0.001602336	1.3343E-09
2061 Jun	0.00105448	0.172604531	1E-05	1.663357019	3.351993322	0.070921965	0.000247388	5.86596632	0.001479097	0.010756828	0.000597479	0.00018509	9.57396E-05	0.132039249	2E-06	7.03798E-05	0.000902304	0.001720326	7.96581E-10
2061 Jul	0.001032844	0.167596251	1E-05	1.618203402	3.228137493	0.067585245	0.000240661	5.685733318	0.001449943	0.010654655	0.00056875	0.000184566	9.26724E-05	0.127297029	2E-06	6.91946E-05	0.000871344	0.001725251	7.50254E-10
2061 Aug	0.001029052	0.166079	1E-05	1.606312633	3.194031	0.066512175	0.000241572	5.645504475	0.001440707	0.010620652	0.000559522	0.000181991	9.18176E-05	0.126029238	2E-06	6.89118E-05	0.000856659	0.001714496	7.36283E-10
2061 Sep	0.001023976	0.163251773	1E-05	1.589712501	3.142414093	0.064589947	0.000251021	5.593738079	0.001425822	0.010599132	0.000541197	0.00017652	9.03064E-05	0.124171011	2E-06	6.90908E-05	0.000832193	0.00169391	7.11414E-10
2061 Oct	0.001019904	0.154950976	1E-05	1.534609437	2.983904362	0.057986643	0.000290754	5.439864159	0.001374781	0.010707114	0.000478604	0.000157759	8.42765E-05	0.118205257	2E-06	7.12374E-05	0.000756056	0.001623321	6.26141E-10
2061 Nov	0.001018554	0.152199447	1E-05	1.51634407	2.931361675	0.055797793	0.000303924	5.388858318	0.001357862	0.010742907	0.000457856	0.00015154	8.22777E-05	0.116227739	2E-06	7.1949E-05	0.000730819	0.001599922	5.97875E-10
2061 Dec	0.001018538	0.152167782	1E-05	1.516133904	2.930757046	0.05577261	0.000304076	5.388271332	0.001357667	0.010743319	0.000457617	0.000151468	8.22547E-05	0.116204992	2E-06	7.19572E-05	0.000730528	0.001599653	5.9755E-10
2062 Jan	0.001018632	0.152182758	1E-05	1.516268015	2.931132317	0.05578094	0.000304125	5.388876915	0.001357742	0.010743819	0.000457594	0.000151454	8.22524E-05	0.116219215	2E-06	7.1963E-05	0.000730585	0.001599558	5.97375E-10
2062 Feb	0.001018765	0.15221709	1E-05	1.516542912	2.931908131	0.055803433	0.000304123	5.389956474	0.001357929	0.01074431	0.000457669	0.000151465	8.22596E-05	0.11624857	2E-06	7.19673E-05	0.000730792	0.001599551	5.97285E-10
2062 Mar	0.001018837	0.152235806	1E-05	1.516692758	2.932331562	0.055815697	0.000304123	5.390544891	0.001358031	0.010744577	0.00045771	0.000151472	8.22635E-05	0.116264582	2E-06	7.19696E-05	0.000730904	0.001599547	5.97236E-10
2062 Apr	0.001018878	0.152246505	1E-05	1.516778231	2.93257308	0.055822697	0.000304122	5.390880585	0.001358089	0.01074473	0.000457733	0.000151475	8.22658E-05	0.116273716	2E-06	7.19709E-05	0.000730968	0.001599544	5.97208E-10
2062 May	0.001018895	0.152251065	1E-05	1.516814232	2.932674646	0.055825718	0.000304121	5.391019344	0.001358114	0.010744791	0.000457748	0.000151478	8.22671E-05	0.116277561	2E-06	7.19714E-05	0.000730997	0.001599547	5.97191E-10
2062 Jun	0.00087546	0.128565073	1E-05	1.296515346	2.329576969	0.041918326	0.000234086	4.404877186	0.001235649	0.01014722	0.000336644	0.000178443	6.88384E-05	0.093086489	2E-06	6.44423E-05	0.000652185	0.001771231	3.92109E-10
2062 Jul	0.000806993	0.116293475	1E-05	1.180732608	2.01388216	0.034368802	0.000199973	3.904968739	0.001168433	0.009830064	0.00027219	0.000187672	6.16952E-05	0.080946505	2E-06	6.04496E-05	0.000597994	0.001834633	2.83709E-10
2062 Aug	0.000806706	0.112378567	1E-05	1.164598346	1.953048468	0.031740874	0.000217317	3.88205409	0.001147517	0.009707931	0.000248239	0.000171334	6.04207E-05	0.078999288	2E-06	6.01054E-05	0.000542149	0.001759079	2.53297E-10
2062 Sep	0.000817583	0.109741069	1E-05	1.160089731	1.929200292	0.029511502	0.000249881	3.911693573	0.001132685	0.009785126	0.000225052	0.000156118	5.88481E-05	0.078306831	2E-06	6.1941E-05	0.000503051	0.001693314	2.27829E-10
2062 Oct	0.000859525	0.105911955	1E-05	1.152770281	1.902636528	0.024643568	0.000330793	4.008584023	0.001100409	0.01020228	0.000174929	0.000123006	5.42632E-05	0.077356465	2E-06	6.80368E-05	0.000428602	0.001550203	1.72408E-10
2062 Nov	0.000862697	0.105622306	1E-05	1.152216554	1.900627136	0.024275348	0.000336913	4.01591301	0.001097967	0.010233835	0.000171137	0.000120501	5.39164E-05	0.077284582	2E-06	6.84979E-05	0.000422971	0.001539377	1.68216E-10
2062 Dec	0.000862757	0.105616853	1E-05	1.152206063	1.900589466	0.024268419	0.000337028	4.016051769	0.001097921	0.01023443	0.000171066	0.000120454	5.39098E-05	0.077283226	2E-06	6.85065E-05	0.000422865	0.001539174	1.68137E-10
2063 Jan	0.000862879	0.105641998	1E-05	1.152417779	1.90118444	0.024283852	0.000337063	4.016937256	0.001098053	0.010235	0.000171119	0.000120449	5.39151E-05	0.077305764	2E-06	6.85126E-05	0.000422994	0.001539106	1.68094E-10
2063 Feb	0.000863017	0.105678566	1E-05	1.152709365	1.902007818	0.024307935	0.000337058	4.018074512	0.001098254	0.010235502	0.000171224	0.000120464	5.39253E-05	0.0773369	2E-06	6.85168E-05	0.000423217	0.001539107	1.68072E-10
2063 Mar	0.000863093	0.105698489	1E-05	1.152868152	1.902456641	0.024321061	0.000337055	4.018693924	0.001098362	0.010235775	0.000171281	0.000120472	5.39308E-05	0.07735388	2E-06	6.85191E-05	0.000423339	0.001539108	1.68059E-10
2063 Apr	0.000863136	0.105709836	1E-05	1.152958632	1.902711987	0.024328532	0.000337053	4.01904726	0.001098425	0.010235931	0.000171313	0.000120476	5.39339E-05	0.077363543	2E-06	6.85203E-05	0.000423408	0.001539109	1.68052E-10
2063 May	0.000894719	0.115978546	1E-05	1.230801105	2.124945402	0.03132825	0.000325664	4.305670261	0.001155696	0.010339135	0.000235358	0.000129415	6.01424E-05	0.08572185	2E-06	6.90495E-05	0.000494965	0.001562439	1.54336E-10
2063 Jun	0.00094205	0.146144956	1E-05	1.434128046	2.721074581	0.05337321	0.00023054	4.941884995	0.001330583	0.010405353	0.000440908	0.00018608	7.90428E-05	0.107835509	2E-06	6.65242E-05	0.0007604	0.001775006	6.73907E-11
2063 Jul	0.000900175	0.137855858	1E-05	1.359656692	2.515875101	0.048178837	0.00021457	4.628481865	0.001285261	0.010217174	0.000395728	0.000189394	7.42166E-05	0.099985525	2E-06	6.43116E-05	0.000719342	0.001804483	5.83671E-11
2063 Aug	0.000897891	0.13637051	1E-05	1.350222826	2.486582041	0.047151182	0.00021768	4.601386547	0.001276661	0.010177803	0.000386698	0.000185385	7.35258E-05	0.098945148	2E-06	6.4084E-05	0.000702165	0.001786579	5.68001E-11
2063 Sep	0.000893308	0.132612243	1E-05	1.33491838	2.430140972	0.044786315	0.000234971	4.564590931	0.001259214	0.010119483	0.000363322	0.000174956	7.20729E-05	0.097080857	2E-06	6.43341E-05	0.000664263	0.001743598	5.32182E-11
2063 Oct	0.000899185	0.130265698	1E-05	1.322465181	2.393061638	0.042641897	0.000256091	4.549118519	0.001243461	0.01020338	0.000342397	0.000165539	7.01238E-05	0.095702492	2E-06	6.57115E-05	0.000635867	0.001704789	4.9984E-11
2063 Nov	0.000900183	0.129866853	1E-05	1.320348382	2.386759043	0.042277403	0.000259681	4.546488762	0.001240784	0.01021764	0.00033884	0.000163938	6.97925E-05	0.095468208	2E-06	6.59457E-05	0.00063104	0.001698192	4.94343E-11
2063 Dec	0.000900226	0.12984997	1E-05	1.320258856	2.386492491	0.04226198	0.000259833	4.546377182	0.00124067	0.010218243	0.00033869	0.00016387	6.97785E-05	0.095458291	2E-06	6.59556E-05	0.000630836	0.001697913	4.94111E-11
2064 Jan	0.000900339	0.129869044	1E-05	1.320428848	2.386966705	0.042272877	0.000259888	4.547133923	0.001240767	0.010218824	0.000338699	0.000163854	6.97797E-05	0.095476314	2E-06	6.59623E-05	0.000630912	0.001697803	4.93982E-11
2064 Feb	0.000900475	0.129903033	1E-05	1.32070303	2.387739658	0.042294979	0.000259893	4.548221111	0.001240951	0.010219338	0.000338783	0.000163863	6.97879E-05	0.09550558	2E-06	6.5967E-05	0.000631112	0.001697783	4.93915E-11
2064 Mar	0.000900549	0.129921436	1E-05	1.320851803	2.388159037	0.04230696	0.000259895	4.548810482	0.001241051	0.010219616	0.000338829	0.000163868	6.97923E-05	0.095521457	2E-06	6.59695E-05	0.00063122	0.001697772	4.93879E-11
2064 Apr	0.00090059	0.129931673	1E-05	1.320934534	2.388391972	0.04231362	0.000259897	4.549137592	0.001241107	0.010219771	0.000338854	0.00016387	6.97948E-05	0.095530272	2E-06	6.59709E-05	0.00063128	0.001697766	4.93859E-11
2064 May	0.000942486	0.142109722	1E-05	1.415124893	2.656563759	0.050438166	0.000252418	4.906551361	0.001308118	0.010373279	0.000412839	0.000171798	7.70123E-05	0.105628319	2E-06	6.70536E-05	0.000711458	0.001713016	4.34653E-11
2064 Jun	0.001019955	0.168556392	1E-05	1.611423612	3.220980644	0.068484776	0.000217843	5.618453503	0.001455309	0.010645622	0.000578375	0.000198406	9.27887E-05	0.126769677	2E-06	6.82589E-05	0.000902838	0.001790915	2.35943E-11
2064 Jul	0.000996067	0.162182361	1E-05	1.554580808	3.064635992	0.064083606	0.000212112	5.401609421	0.001416771	0.010515423	0.000540804	0.0001948	8.88495E-05	0.120803356	2E-06	6.68143E-05	0.00085624	0.001781966	2.17276E-11
2064 Aug	0.000983896	0.156624079	1E-05	1.512337089	2.94230032	0.060118265	0.000217618	5.26375246	0.001382815	0.010392158	0.000506597	0.000183945	8.57589E-05	0.116282463	2E-06	6.58683E-05	0.000799582	0.001735536	2.01355E-11
2064 Sep	0.000969234	0.147187203	1E-05	1.462464452	2.780695438	0.053808015	0.000254722	5.117246151	0.001334986	0.010320235	0.000445396	0.00016361	8.10233E-05	0.110579886	2E-06	6.67346E-05	0.000715321	0.001656757	1.76198E-11
2064 Oct	0.000970043	0.145115003	1E-05	1.449511409	2.743266106	0.052081753	0.000267493	5.085795403	0.001321935	0.010366199	0.000428783	0.000157872	7.9425E-05	0.109170303	2E-06	6.75242E-05	0.000695126	0.00163526	1.69333E-11
2064 Nov	0.000970055	0.145085678	1E-05	1.449328065	2.74273634	0.052057315	0.000267674	5.085350037	0.00132175	0.01036685	0.000428548	0.000157793	7.94024E-05	0.10915035	2E-06	6.75354E-05	0.000694841	0.001634956	1.69236E-11
2064 Dec	0.000970061	0.14507018	1E-05	1.449231148	2.742456436	0.05204441	0.000267769	5.085114956	0.001321653	0.010367193	0.000428424	0.000157751	7.93904E-05	0.109139808	2E-06	6.75413E-05	0.00069469	0.001634795	1.69184E-11
2065 Jan	0.000970122	0.145079866	1E-05	1.449318528	2.742700815	0.052049756	0.000267803	5.085509777	0.001321701	0.010367541	0.000428416	0.000157742	7.93896E-05	0.109149061	2E-06	6.75453E-05	0.000694728	0.001634735	1.69156E-11
2065 Feb	0.000970202	0.145100132	1E-05	1.449481726	2.743161201	0.052062951	0.000267806	5.086153984	0.001321811	0.010367854	0.000428461	0.000157748	7.9394E-05	0.109166481	2E-06	6.75481E-05	0.000694849	0.001634728	1.69142E-11
2065 Mar	0.000970246	0.145111158	1E-05	1.449570417	2.743412018	0.052070133	0.000267807	5.086504459	0.001321871	0.010368025	0.000428486	0.000157751	7.93963E-05	0.109175965	2E-06	6.75496E-05	0.000694915	0.001634724	1.69134E-11
2065 Apr	0.000970271	0.145117447	1E-05	1.449621081	2.743554831	0.052074227	0.000267808	5.086704254	0.001321905	0.010368123	0.0004285	0.000157753	7.93977E-05	0.109181359	2E-06	6.75505E-05	0.000694953	0.001634722	1.69129E-11
2065 May	0.001000872	0.154567048	1E-05	1.521479487	2.949372292	0.058419038	0.000260118	5.353988647	0.001374205	0.010491946	0.000486197	0.000165655	8.49325E-05	0.116901115	2E-06	6.83655E-05	0.000761138	0.001655532	1.5063E-11
2065 Jun	0.001008879	0.164109379	1E-05	1.579928398	3.127343893	0.065473765	0.000222791	5.51292181	0.001429982	0.010541959	0.000551825	0.000190449	9.05213E-05	0.123351566	2E-06	6.75378E-05	0.000860483	0.001758059	9.25881E-12
2065 Jul	0.000984649	0.158872411	1E-05	1.533734202	2.999898911	0.062098581	0.000215747	5.323303699	0.001400858	0.010440181	0.000522233	0.000191257	8.73847E-05	0.118477792	2E-06	6.63802E-05	0.000832341	0.001770766	8.64768E-12
2065 Aug	0.000978004	0.156004906	1E-05	1.516427517	2.945396662	0.060247101	0.00022167	5.267225742	0.001385917	0.010376784	0.00050521	0.000185617	8.60854E-05	0.11654231	2E-06	6.60901E-05	0.00080553	0.001747878	8.34141E-12
2065 Sep	0.00097206	0.147410199	1E-05	1.466704369	2.793212414	0.053857572	0.00026305	5.133358002	0.001337275	0.010416693	0.000443791	0.000164742	8.07511E-05	0.111003526	2E-06	6.78682E-05	0.000724491	0.001666848	7.29004E-12
2065 Oct	0.000975882	0.136033058	1E-05	1.394981623	2.58590436	0.04440878	0.000331097	4.957970619	0.001265431	0.010647452	0.000353305	0.00013391	7.20705E-05	0.103206448	2E-06	7.19436E-05	0.000612128	0.001547166	5.73716E-12
2065 Nov	0.000976511	0.134158567	1E-05	1.383164525	2.551748514	0.042852003	0.000342309	4.929074764	0.001253594	0.010685472	0.000338396	0.00012883	7.06403E-05	0.101921812	2E-06	7.2615E-05	0.000593615	0.001527448	5.48131E-12
2065 Dec	0.000976518	0.13413769	1E-05	1.383032918	2.551367998	0.042834658	0.000342434	4.928752422	0.001253462	0.010685897	0.00033823	0.000128773	7.06244E-05	0.101907499	2E-06	7.26225E-05	0.000593409	0.001527228	5.47845E-12
2066 Jan	0.000976622	0.134157613	1E-05	1.383203149	2.551846027	0.04284659	0.000342471	4.929479599	0.001253565	0.010686403	0.000338242	0.000128765	7.06255E-05	0.101925604	2E-06	7.2628E-05	0.000593505	0.001527156	5.47689E-12
2066 Feb	0.000976759	0.134194076	1E-05	1.383493423	2.552665949	0.042870641	0.000342463	4.93061018	0.001253765	0.010686895	0.000338333	0.00012878	7.06343E-05	0.101956613	2E-06	7.26321E-05	0.000593728	0.001527159	5.47608E-12
2066 Mar	0.000976834	0.134213999	1E-05	1.383651972	2.553113937	0.04288378	0.00034246	4.931227684	0.001253874	0.010687163	0.000338383	0.000128789	7.06391E-05	0.101973556	2E-06	7.26343E-05	0.00059385	0.001527161	5.47563E-12
2066 Apr	0.000976876	0.134225354	1E-05	1.383742332	2.553368807	0.04289126	0.000342457	4.931579113	0.001253936	0.010687316	0.000338412	0.000128793	7.06419E-05	0.101983204	2E-06	7.26356E-05	0.00059392	0.001527163	5.47538E-12
2066 May	0.000980524	0.135523215	1E-05	1.393387437	2.58101368	0.043787528	0.000340528	4.966263771	0.001261221	0.010698178	0.000346638	0.000130141	7.14325E-05	0.103020974	2E-06	7.26674E-05	0.000603336	0.001531125	5.40245E-12
2066 Jun	0.000902833	0.132932395	1E-05	1.334817052	2.437477112	0.044306017	0.000248065	4.578818798	0.001256837	0.010296016	0.000357483	0.000174129	7.09448E-05	0.097163513	2E-06	6.61413E-05	0.000668501	0.001743668	3.02266E-12
2066 Jul	0.000869379	0.126640707	1E-05	1.275220871	2.274989605	0.040353	0.000231048	4.326760769	0.001221394	0.010125764	0.000324118	0.000177331	6.72738E-05	0.090924121	2E-06	6.40209E-05	0.000636386	0.001767843	2.62559E-12
2066 Aug	0.000867621	0.125125751	1E-05	1.265503764	2.24472785	0.03928078	0.000234103	4.300810814	0.001212238	0.010078167	0.000314941	0.000172563	6.65932E-05	0.089856081	2E-06	6.37125E-05	0.000616803	0.001745748	2.53308E-12
2066 Sep	0.000871127	0.122961633	1E-05	1.257212758	2.215340137	0.037568055	0.000252228	4.295055389	0.001200009	0.010111742	0.000297825	0.000163772	6.52865E-05	0.088857539	2E-06	6.46466E-05	0.000590551	0.001708829	2.38713E-12
2066 Oct	0.00088149	0.120436847	1E-05	1.246122599	2.18087554	0.035121169	0.00028102	4.296357632	0.001182573	0.010232767	0.000273518	0.000151239	6.30821E-05	0.087597176	2E-06	6.65953E-05	0.000556243	0.001656189	2.17903E-12

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.000884252	0.119763754	1E-05	1.243166208	2.171687365	0.034468845	0.000288696	4.296705246	0.001177924	0.01026503	0.000267038	0.000147897	6.24944E-05	0.08726117	2E-06	6.71148E-05	0.000547096	0.001642155	2.12355E-12
2066 Dec	0.000884305	0.119750932	1E-05	1.243109822	2.171512365	0.034456417	0.000288842	4.296711445	0.001177836	0.010265645	0.000266914	0.000147833	6.24832E-05	0.08725477	2E-06	6.71247E-05	0.000546922	0.001641888	2.12249E-12
2067 Jan	0.00088443	0.119773887	1E-05	1.243310809	2.172073126	0.034470089	0.000288892	4.297581196	0.001177955	0.010266247	0.000266944	0.00014782	6.24865E-05	0.087276086	2E-06	6.71315E-05	0.000547026	0.001641787	2.12191E-12
2067 Feb	0.000884574	0.119810864	1E-05	1.243608713	2.172912598	0.034494318	0.000288893	4.298753738	0.001178157	0.010266777	0.000267042	0.000147832	6.24961E-05	0.08730787	2E-06	6.71362E-05	0.000547246	0.001641774	2.12161E-12
2067 Mar	0.000884653	0.119831026	1E-05	1.243771195	2.173370361	0.034507532	0.000288894	4.2993927	0.001178267	0.010267067	0.000267096	0.000147838	6.25013E-05	0.087325208	2E-06	6.71387E-05	0.000547367	0.001641767	2.12144E-12
2067 Apr	0.000884697	0.119842514	1E-05	1.243863821	2.173631191	0.03451506	0.000288894	4.299757004	0.00117833	0.010267231	0.000267126	0.000147842	6.25043E-05	0.08733508	2E-06	6.71402E-05	0.000547435	0.001641763	2.12135E-12
2067 May	0.000919722	0.130547419	1E-05	1.326568127	2.408653021	0.041759122	0.000280135	4.609458447	0.001237931	0.010385431	0.000333158	0.000155717	6.89741E-05	0.096195251	2E-06	6.78939E-05	0.000619583	0.001659324	1.91801E-12
2067 Jun	0.00097345	0.15141958	1E-05	1.480173945	2.849614382	0.056377225	0.000243624	5.149090767	0.001356516	0.010539564	0.00046758	0.000180765	8.18368E-05	0.112730615	2E-06	6.80731E-05	0.000778075	0.001739576	1.27126E-12
2067 Jul	0.000958264	0.14796564	1E-05	1.448539495	2.762898684	0.054081853	0.000237784	5.022937298	0.001336184	0.010457305	0.000448127	0.000180278	7.97618E-05	0.109414309	2E-06	6.71075E-05	0.000755699	0.001741779	1.20334E-12
2067 Aug	0.000950111	0.143819302	1E-05	1.412837386	2.663081169	0.050932735	0.000238364	4.908727646	0.001308025	0.010346857	0.000422381	0.000171178	7.72718E-05	0.105671957	2E-06	6.60313E-05	0.000707847	0.001700089	1.11731E-12
2067 Sep	0.000946557	0.140431345	1E-05	1.396246552	2.607961416	0.048623122	0.00025441	4.86502552	0.001290816	0.010332432	0.000399739	0.000162732	7.55574E-05	0.103748672	2E-06	6.65379E-05	0.000675941	0.001666842	1.05489E-12
2067 Oct	0.000951874	0.134748638	1E-05	1.363660812	2.511523247	0.043834858	0.000294565	4.797096252	0.001255223	0.010475331	0.00035314	0.000145263	7.12055E-05	0.100156702	2E-06	6.90422E-05	0.000617324	0.001598078	9.25782E-13
2067 Nov	0.00095306	0.133480638	1E-05	1.35638988	2.490004778	0.042766448	0.000303525	4.78193903	0.001247281	0.010507215	0.000342743	0.000141365	7.02345E-05	0.099355221	2E-06	6.9601E-05	0.000604245	0.001582735	8.96974E-13
2067 Dec	0.000953082	0.133457646	1E-05	1.356258035	2.489614487	0.042747073	0.000303687	4.781664371	0.001247137	0.010507793	0.000342554	0.000141295	7.02169E-05	0.099340685	2E-06	6.96111E-05	0.000604008	0.001582456	8.96451E-13
2068 Jan	0.000953203	0.133479595	1E-05	1.356452227	2.490155935	0.042760104	0.00030374	4.782505512	0.001247252	0.010508405	0.000342565	0.000141282	7.02182E-05	0.099361256	2E-06	6.96182E-05	0.000604108	0.00158236	8.9617E-13
2068 Feb	0.000953358	0.133520082	1E-05	1.356778026	2.491073608	0.042786743	0.000303739	4.783780575	0.001247474	0.010508979	0.000342666	0.000141296	7.0228E-05	0.099396005	2E-06	6.96231E-05	0.000604354	0.001582355	8.96023E-13
2068 Mar	0.000953442	0.133542016	1E-05	1.356954455	2.49157095	0.042801183	0.000303738	4.784471989	0.001247594	0.01050929	0.00034272	0.000141304	7.02333E-05	0.09941484	2E-06	6.96259E-05	0.000604487	0.001582352	8.95943E-13
2068 Apr	0.000953489	0.133554205	1E-05	1.357052565	2.491847515	0.042809211	0.000303738	4.784856319	0.001247661	0.010509462	0.000342751	0.000141309	7.02363E-05	0.099425316	2E-06	6.96273E-05	0.000604561	0.00158235	8.95899E-13
2068 May	0.000981575	0.142830655	1E-05	1.428034306	2.69388175	0.049179848	0.00029368	5.044861794	0.001299973	0.01060329	0.000400818	0.000149707	7.58952E-05	0.107033007	2E-06	7.01364E-05	0.000670422	0.001605322	8.11068E-13
2068 Jun	0.001002641	0.161166236	1E-05	1.551625729	3.055267334	0.062985085	0.000229364	5.411340237	0.001409802	0.010617211	0.000528903	0.000189414	8.7704E-05	0.120443419	2E-06	6.82463E-05	0.000844318	0.001761208	4.0997E-13
2068 Jul	0.000964982	0.152221262	1E-05	1.471835256	2.835374117	0.057023361	0.000217946	5.095953941	0.001357621	0.010422722	0.000477743	0.000187258	8.23279E-05	0.112052247	2E-06	6.6052E-05	0.000785938	0.001763453	3.60667E-13
2068 Aug	0.000960354	0.150062948	1E-05	1.457372904	2.791485071	0.05555921	0.000221359	5.04987812	0.001345396	0.010370923	0.000464771	0.000182696	8.12728E-05	0.110469066	2E-06	6.57308E-05	0.000763994	0.001744026	3.4946E-13
2068 Sep	0.000957856	0.145512924	1E-05	1.433006644	2.714616299	0.052224409	0.000244984	4.988004684	0.001320357	0.010389414	0.00043237	0.000170902	7.85765E-05	0.107712761	2E-06	6.67384E-05	0.000720187	0.0016977	3.24126E-13
2068 Oct	0.000959152	0.143435776	1E-05	1.420788527	2.678542614	0.050501633	0.000258593	4.960665226	0.001307439	0.010434195	0.000415702	0.000164817	7.7021E-05	0.106369495	2E-06	6.75554E-05	0.00069909	0.001673801	3.11056E-13
2068 Nov	0.000959254	0.143273622	1E-05	1.419834614	2.675726414	0.050367132	0.000259656	4.958530903	0.00130643	0.010437692	0.000414401	0.000164342	7.68995E-05	0.106264621	2E-06	6.76192E-05	0.000697443	0.001671935	3.10036E-13
2068 Dec	0.000959265	0.143254921	1E-05	1.419724703	2.675401449	0.050351627	0.000259779	4.958284378	0.001306314	0.010438094	0.000414251	0.000164287	7.68855E-05	0.106252536	2E-06	6.76265E-05	0.000697253	0.00167172	3.09918E-13
2069 Jan	0.000959344	0.143267602	1E-05	1.419841528	2.67572546	0.050358828	0.000259822	4.958809376	0.001306379	0.010438514	0.000414244	0.000164274	7.68851E-05	0.106264867	2E-06	6.76316E-05	0.000697302	0.001671638	3.09854E-13
2069 Feb	0.000959446	0.143293217	1E-05	1.420049191	2.676310062	0.050375555	0.000259826	4.959630489	0.001306519	0.010438899	0.000414303	0.000164281	7.68908E-05	0.106287017	2E-06	6.76351E-05	0.000697454	0.001671625	3.09821E-13
2069 Mar	0.000959502	0.143307194	1E-05	1.420162559	2.676628828	0.050384678	0.000259828	4.960078239	0.001306595	0.010439108	0.000414335	0.000164285	7.6894E-05	0.106299095	2E-06	6.7637E-05	0.000697537	0.001671618	3.09802E-13
2069 Apr	0.000959533	0.143315151	1E-05	1.420227051	2.676810503	0.050389878	0.000259829	4.960333347	0.001306639	0.010439228	0.000414353	0.000164287	7.68958E-05	0.106305972	2E-06	6.76381E-05	0.000697584	0.001671614	3.09792E-13
2069 May	0.000962264	0.144143537	1E-05	1.426674485	2.695113182	0.050950482	0.000259246	4.984479904	0.001311273	0.010449201	0.000419431	0.000164903	7.73936E-05	0.106995977	2E-06	6.77073E-05	0.00070324	0.001673049	3.06887E-13
2069 Jun	0.000878614	0.133497342	1E-05	1.320314646	2.407269478	0.045430932	0.000205625	4.465028763	0.001261014	0.010105593	0.000372048	0.00019039	7.17155E-05	0.095842257	2E-06	6.30124E-05	0.000695278	0.001815593	1.86735E-13
2069 Jul	0.000848043	0.127388045	1E-05	1.265356421	2.255936623	0.041584209	0.000194058	4.234548092	0.00122744	0.009968045	0.000338638	0.000192643	6.8143E-05	0.090051524	2E-06	6.13935E-05	0.000664532	0.001836342	1.63503E-13
2069 Aug	0.000845676	0.124717817	1E-05	1.251802564	2.209829569	0.039786279	0.00020324	4.203009129	0.00121295	0.009896269	0.000322318	0.000183772	6.709E-05	0.08848992	2E-06	6.11435E-05	0.00063126	0.001796378	1.54236E-13
2069 Sep	0.00085699	0.12050844	1E-05	1.236690283	2.156071663	0.036226239	0.000244763	4.205542088	0.001187882	0.010007659	0.000286509	0.000164494	6.42623E-05	0.086658455	2E-06	6.35345E-05	0.000576838	0.001714991	1.3608E-13
2069 Oct	0.000882994	0.115325943	1E-05	1.215831995	2.090368509	0.031001156	0.000310792	4.225964069	0.00115115	0.010299417	0.00023421	0.000136245	5.95189E-05	0.084261879	2E-06	6.81221E-05	0.000502578	0.001595736	1.09476E-13
2069 Nov	0.00088852	0.11422459	1E-05	1.211399317	2.076405525	0.029890757	0.000324824	4.230304241	0.001143344	0.01036142	0.000223096	0.000130241	5.85109E-05	0.083752573	2E-06	6.90971E-05	0.000486797	0.001570392	1.03822E-13
2069 Dec	0.000888578	0.114212938	1E-05	1.211352468	2.076257944	0.029879013	0.000324972	4.230350018	0.001143262	0.010362075	0.000222978	0.000130178	5.85002E-05	0.083747186	2E-06	6.91074E-05	0.00048663	0.001570124	1.03762E-13
2070 Jan	0.000888721	0.11424128	1E-05	1.211595178	2.076937437	0.029896298	0.000325019	4.231376648	0.001143411	0.010362741	0.000223027	0.000130168	5.85053E-05	0.083772972	2E-06	6.91146E-05	0.000486769	0.001570031	1.03729E-13
2070 Feb	0.000888888	0.114285082	1E-05	1.211946011	2.077926874	0.02992516	0.000325014	4.232748032	0.001143651	0.01036334	0.000223148	0.000130185	5.85171E-05	0.083810426	2E-06	6.91197E-05	0.000487035	0.001570027	1.03712E-13
2070 Mar	0.000888978	0.114308856	1E-05	1.212136507	2.078463793	0.029940827	0.000325012	4.233491898	0.001143781	0.010363665	0.000223214	0.000130194	5.85235E-05	0.083830751	2E-06	6.91225E-05	0.00048718	0.001570025	1.03703E-13
2070 Apr	0.000888138	0.114350833	1E-05	1.212472558	2.079411983	0.029968482	0.000325007	4.234805584	0.001144011	0.010364241	0.000223329	0.000130209	5.85347E-05	0.083866648	2E-06	6.91274E-05	0.000487434	0.001570022	1.03687E-13
2070 May	0.000919536	0.124197863	1E-05	1.2876544	2.293459892	0.03669963	0.000314377	4.512070656	0.00119914	0.010460067	0.0002846	0.000138554	6.45111E-05	0.091929451	2E-06	6.96269E-05	0.000555657	0.001591252	9.50158E-14
2070 Jun	0.000983071	0.149762571	1E-05	1.474834919	2.830940962	0.054703686	0.00026608	5.16456461	0.001344784	0.010624152	0.000450609	0.000170324	8.04004E-05	0.112086609	2E-06	6.95216E-05	0.00075115	0.001694154	6.20054E-14
2070 Jul	0.000962796	0.14563553	1E-05	1.436677337	2.726387501	0.052058529	0.00025707	5.006912708	0.001321277	0.010519123	0.000428163	0.000171243	7.79818E-05	0.108083636	2E-06	6.82592E-05	0.000727817	0.001704313	5.79957E-14
2070 Aug	0.000956429	0.142772689	1E-05	1.414129853	2.661333323	0.050008684	0.000258243	4.933812141	0.001303276	0.010437569	0.000411011	0.00016522	7.64441E-05	0.105683178	2E-06	6.75466E-05	0.000696432	0.001677304	5.51707E-14
2070 Sep	0.000957026	0.136151403	1E-05	1.377303243	2.548656464	0.044833466	0.000297664	4.847515106	0.001264506	0.010523007	0.00036083	0.000146655	7.20203E-05	0.101571456	2E-06	6.96086E-05	0.000630435	0.001604141	4.81178E-14
2070 Oct	0.000961208	0.130805075	1E-05	1.345936179	2.456236124	0.040351894	0.000333791	4.77933836	0.001230957	0.010646925	0.000317473	0.000130591	6.79589E-05	0.098125122	2E-06	7.18145E-05	0.00057546	0.001540832	4.20147E-14
2070 Nov	0.000961656	0.13023296	1E-05	1.342579603	2.446346521	0.039872326	0.000337657	4.772042751	0.001227367	0.010660185	0.000312834	0.000128872	6.75243E-05	0.097756334	2E-06	7.20505E-05	0.000569577	0.001534057	4.13616E-14
2070 Dec	0.000961668	0.130217239	1E-05	1.342487454	2.446074724	0.039859153	0.000337763	4.77184248	0.001227268	0.010660551	0.000312706	0.000128824	6.75124E-05	0.097746208	2E-06	7.2057E-05	0.000569416	0.001533871	4.13437E-14
2071 Jan	0.000961758	0.130234644	1E-05	1.342637897	2.446495295	0.039869711	0.000337795	4.772482395	0.00122736	0.010660977	0.000312722	0.000128818	6.7514E-05	0.097762175	2E-06	7.20617E-05	0.0005695	0.00153381	4.13338E-14
2071 Feb	0.000961873	0.130265325	1E-05	1.342883229	2.447187185	0.039889999	0.00033779	4.7734375	0.001227528	0.010661387	0.000312801	0.00012883	6.75217E-05	0.097788371	2E-06	7.20652E-05	0.000569688	0.001533812	4.13288E-14
2071 Mar	0.000961936	0.130282089	1E-05	1.34301734	2.447565317	0.039901078	0.000337787	4.773959637	0.00122762	0.010661611	0.000312844	0.000128837	6.75259E-05	0.097802684	2E-06	7.20671E-05	0.000569791	0.001533813	4.1326E-14
2071 Apr	0.000961972	0.130291641	1E-05	1.343093753	2.447780609	0.039907396	0.000337786	4.774257183	0.001227673	0.010661739	0.000312868	0.000128841	6.75283E-05	0.097810827	2E-06	7.20681E-05	0.000569849	0.001533813	4.13244E-14
2071 May	0.000992991	0.141190588	1E-05	1.42530477	2.682244301	0.047463529	0.000322682	5.071029186	0.001289305	0.010752023	0.000382115	0.000139733	7.42547E-05	0.106634833	2E-06	7.23841E-05	0.000648475	0.001565163	3.68749E-14
2071 Jun	0.001010537	0.1583177	1E-05	1.538938284	3.014956951	0.060439412	0.000257325	5.403388977	0.001391613	0.010719633	0.00050346	0.000177215	8.54667E-05	0.11898876	2E-06	7.00405E-05	0.000809261	0.001710786	2.15629E-14
2071 Jul	0.000976275	0.151649386	1E-05	1.479423642	2.850522757	0.056308076	0.000244199	5.151258469	0.001355615	0.010564765	0.00046744	0.000180197	8.16422E-05	0.112706326	2E-06	6.82357E-05	0.000777136	0.001736144	1.9621E-14
2071 Aug	0.000970592	0.149307713	1E-05	1.465544224	2.806231976	0.05482807	0.000248547	5.106158257	0.001343605	0.010503941	0.000453905	0.00017549	8.0654E-05	0.111146569	2E-06	6.79126E-05	0.000754796	0.001716688	1.89963E-14
2071 Sep	0.000961866	0.142279997	1E-05	1.428283095	2.686074495	0.050003212	0.000278228	5.002102852	0.001306956	0.010462968	0.000407322	0.000158905	7.70049E-05	0.10689842	2E-06	6.87069E-05	0.000689021	0.001651446	1.69701E-14
2071 Oct	0.000963886	0.138814017	1E-05	1.406869769	2.623900175	0.04709553	0.000300072	4.95241785	0.00128492	0.010537416	0.000379445	0.000148934	7.43483E-05	0.104565397	2E-06	7.00202E-05	0.000653699	0.001612217	1.57519E-14
2071 Nov	0.000965376	0.13625659	1E-05	1.391069412	2.578023195	0.044950042	0.000316189	4.915756226	0.00126866	0.010592348	0.000358875	0.000141576	7.23881E-05	0.102843933	2E-06	7.09892E-05	0.000627636	0.001583271	1.4853E-14
2071 Dec	0.000965478	0.136082307	1E-05	1.389992595	2.574896574	0.044803824	0.000317288	4.913257599	0.001267552	0.010596092	0.000357473	0.000141074	7.22546E-05	0.102726601	2E-06	7.10552E-05	0.00062586	0.001581299	1.47917E-14
2072 Jan	0.00096562	0.136108041	1E-05	1.390216231	2.5755229	0.044818938	0.000317346	4.914230347	0.001267684	0.0105968	0.000357481	0.000141059	7.22555E-05	0.102750361	2E-06	7.10632E-05	0.000625975	0.001581183	1.47861E-14
2072 Feb	0.000965806	0.136156559	1E-05	1.390604138	2.576618433	0.044850811	0.000317342	4.91574955	0.001267949	0.010597477	0.0003576	0.000141077	7.22669E-05	0.102791794	2E-06	7.10689E-05	0.000626268	0.001581177	1.47831E-14
2072 Mar	0.000965907	0.136182919	1E-05	1.390814781	2.577212811	0.044868112	0.000317339	4.916574478	0.001268093	0.010597845	0.000357665	0.000141086	7.22732E-05	0.102814294	2E-06	7.1072E-05	0.000626428	0.001581173	1.47815E-14
2072 Apr	0.000965963	0.136197537	1E-05	1.390931606	2.57754302	0.044877719	0.000317338	4.917032719	0.001268173	0.010598048	0.000357701	0.000141091	7.22766E-05	0.102826782	2E-06	7.10738E-05	0.000626516	0.001581171	1.47807E-14
2072 May	0.000966037	0.136221036	1E-05	1.391110301	2.578052998	0.04489366	0.000317314	4.917695045	0.001268303	0.010598292	0.00035783	0.000141111	7.22891E-05	0.102845967	2E-06	7.10751E-05	0.000626677	0.001581219	1.47775E-14
2072 Jun	0.000864115	0.121860988	1E-05	1.249509692	2.194103241	0.036969762	0.00025435	4.25360918	0.001196347	0.010150374	0.000290422	0.000167204	6.44312E-05	0.088008963	2E-06	6.51011E-05	0.000596296	0.00173117	1.04395E-14
2072 Jul	0.000839963	0.116956204	1E-05	1.198886752	2.058655977	0.033659235	0.000237661	4.049231052	0.001165339	0.009989036	0.000264207	0.000167583	6.14256E-05	0.082780279	2E-06	6.29832E-05	0.000562464	0.00173679	8.97538E-15
2072 Aug	0.000831004	0.110382274	1E-05	1.180305243	1.972261071	0.030010758	0.000266828	4.018062115	0.001138774	0.009771354	0.000227867	0.000145826	6.00826E-05	0.080232941	2E-06	6.25642E-05	0.000487563	0.001641621	7.60576E-15
2072 Sep	0.000832162	0.106039204	1E-05	1.170726418	1.923457742	0.027255023	0.000298334	4.021478176	0.001120003	0.009727701	0.000199246	0.000128807	5.86611E-05	0.078824319	2E-06	6.35293E-05	0.000436424	0.001569039	6.57702E-15
2072 Oct	0.00085388	0.104382709	1E-05	1.165122747	1.909222722	0.024812069	0.000337433	4.061176777	0.001103492	0.009971555	0.000174446	0.000113836	5.60935E-05	0.078215562	2E-06	6.67587E-05	0.000403481	0.001505191	5.67208E-15
2072 Nov	0.000857651	0.104095034	1E-05	1.164149642	1.90675056	0.024387822	0.000344223	4.068070889	0.001100624	0.010013903	0.000170139	0.000111236	5.56476E-05	0.078109853	2E-06	6.73195E-05	0.00039776	0.001494103	5.51492E-15
2072 Dec	0.000857714	0.104090214	1E-05	1.16413331	1.906709194	0.024380708	0.000344337	4.068186283	0.001100576	0.010014613	0.000170067	0.000111192	5.56401E-05	0.078108072	2E-06	6.73289E-05	0.000397664	0.001493917	5.51229E-15
2073 Jan	0.00085784	0.104116246	1E-05	1.16434598	1.907314301	0.024396418	0.000344371	4.069076538	0.00110071	0.010015254	0.000170121	0.000111189	5.5645E-05	0.078130834	2E-06	6.73354E-05	0.000397802	0.001493859	5.51084E-15
2073 Feb	0.000857982	0.104153745	1E-05	1.164641738	1.908153296	0.024420962	0.000344364	4.070229053	0.001100914	0.010015795	0.000170228	0.000111206	5.56551E-05	0.078162484	2E-06	6.73398E-05	0.000398034	0.001493867	5.51009E-15
2073 Mar	0.000858059	0.104174174	1E-05	1.16480279	1.908610344	0.024434337	0.00034436	4.070857048	0.001101025	0.01001609	0.000170286	0.000111214	5.56606E-05	0.078179725	2E-06	6.73422E-05	0.00039816	0.001493871	5.50969E-15
2073 Apr	0.000858103	0.10418582	1E-05	1.1648947	1.908870935	0.024441961	0.000344358	4.071215153	0.001101088	0.010016259	0.000170319	0.000111219	5.56638E-05	0.078189559	2E-06	6.73436E-05	0.000398232	0.001493874	5.50945E-15
2073 May	0.000912237	0.121771328	1E-05	1.29495728	2.284044743	0.036270127	0.000324076	4.548977852	0.001197627	0.010221212	0.000278832	0.000127625	6.59306E-05	0.092217937	2E-06	6.84014E-05	0.000522787	0.001539603	4.74853E-15
2073 Jun	0.000979552	0.149713516	1E-05	1.48851037	2.852357864	0.05554492	0.000265791	5.212556362	0.001352495	0.010472285	0.000457468	0.000167123	8.22174E-05	0.113268226	2E-06	6.85242E-05	0.000745111	0.001676367	2.91647E-15
2073 Jul	0.00096415	0.146131709	1E-05	1.454015255	2.759200573	0.053081013	0.000258721	5.07664156	0.00133034	0.010387121	0.000436993	0.000166475	7.99489E-05	0.109680489	2E-06	6.74527E-05	0.000720599	0.001677434	2.74777E-15
2073 Aug	0.000958258	0.143499061	1E-05	1.432922363	2.698879004	0.051176868	0.000259881	5.007664204	0.001313663	0.010318678	0.000420993	0.000161198	7.84747E-05	0.107441634	2E-06	6.68497E-05	0.000692445	0.001654089	2.6264E-15
2073 Sep	0.000953671	0.139176115	1E-05	1.409938931	2.625363827	0.048150387	0.000279564	4.944671631	0.001290838	0.010310601	0.000391615	0.000150924	7.61139E-05	0.104827233	2E-06	6.75229E-05	0.00065238	0.001614132	2.43529E-15

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.000958019	0.133769169	1E-05	1.376434088	2.528972864	0.043524474	0.000315821	4.868710041	0.001256029	0.010452954	0.000347019	0.000135254	7.17915E-05	0.101185516	2E-06	6.98541E-05	0.000597878	0.001553196	2.14382E-15
2073 Nov	0.000958964	0.1325946	1E-05	1.369155884	2.508033991	0.042519584	0.000323697	4.852208614	0.001248467	0.010483879	0.000337331	0.00013185	7.08526E-05	0.10039442	2E-06	7.03605E-05	0.000586038	0.001539959	2.0805E-15
2073 Dec	0.000958979	0.13257587	1E-05	1.369039655	2.507699728	0.042503543	0.000323823	4.8519454	0.001248346	0.010484372	0.000337176	0.000131796	7.08376E-05	0.100381799	2E-06	7.03685E-05	0.000585849	0.001539748	2.07949E-15
2074 Jan	0.00095908	0.13259472	1E-05	1.369201064	2.508154392	0.042514659	0.000323863	4.852641106	0.001248443	0.010484898	0.000337187	0.000131787	7.08385E-05	0.10039898	2E-06	7.03743E-05	0.000585939	0.001539677	2.07893E-15
2074 Feb	0.00095921	0.132628962	1E-05	1.369473815	2.508925438	0.042537149	0.000323859	4.853705883	0.00124863	0.010485385	0.000337272	0.000131801	7.08467E-05	0.100428119	2E-06	7.03784E-05	0.000586149	0.001539679	2.07865E-15
2074 Mar	0.000959281	0.132647619	1E-05	1.369622469	2.509345531	0.042549402	0.000323857	4.854286671	0.001248732	0.01048565	0.000337319	0.000131808	7.08512E-05	0.100444004	2E-06	7.03807E-05	0.000586263	0.001539679	2.07849E-15
2074 Apr	0.000959322	0.132658243	1E-05	1.369707108	2.509584904	0.042556379	0.000323856	4.854616642	0.00124879	0.010485801	0.000337346	0.000131812	7.08537E-05	0.100453049	2E-06	7.03819E-05	0.000586328	0.00153968	2.0784E-15
2074 May	0.00101346	0.151066482	1E-05	1.506928563	2.903562069	0.055130947	0.000300326	5.352890491	0.001351447	0.010674695	0.000452553	0.000150097	8.18681E-05	0.115221418	2E-06	7.12422E-05	0.000719239	0.00159281	1.69135E-15
2074 Jun	0.001066	0.175003886	1E-05	1.674770236	3.392697573	0.072027981	0.00024567	5.917049885	0.001487294	0.01083858	0.000608826	0.000186226	9.63484E-05	0.133411273	2E-06	7.08485E-05	0.000914866	0.001720819	9.26586E-16
2074 Jul	0.001043743	0.169985801	1E-05	1.630238056	3.269908905	0.068742462	0.000239002	5.737450123	0.001458732	0.010734901	0.00058033	0.000186066	9.334E-05	0.128720462	2E-06	6.96728E-05	0.00088513	0.001727818	8.74335E-16
2074 Aug	0.001039605	0.168415099	1E-05	1.619433641	3.237473488	0.0677016	0.000240895	5.700629711	0.001450075	0.010699287	0.000571025	0.000183441	9.25585E-05	0.127540797	2E-06	6.94405E-05	0.000870863	0.001717313	8.58875E-16
2074 Sep	0.001028753	0.160611704	1E-05	1.571457982	3.092507362	0.062100515	0.000270461	5.555902481	0.001406719	0.010693602	0.000517738	0.000167697	8.7882E-05	0.122236744	2E-06	7.04336E-05	0.000802416	0.001658329	7.76139E-16
2074 Oct	0.001025184	0.154476643	1E-05	1.530798793	2.975307226	0.057255916	0.000299201	5.441153049	0.001369259	0.010767872	0.000471803	0.000154094	8.3472E-05	0.117830887	2E-06	7.19594E-05	0.000746656	0.001607366	7.04655E-16
2074 Nov	0.001024739	0.153710917	1E-05	1.525724053	2.960679054	0.056651246	0.000302788	5.426830769	0.001364584	0.010777143	0.00046607	0.000152396	8.29215E-05	0.11728099	2E-06	7.21498E-05	0.000739696	0.001601005	6.95733E-16
2074 Dec	0.001024722	0.153682679	1E-05	1.525537014	2.960139751	0.056628946	0.00030292	5.426302433	0.001364411	0.010777485	0.000465858	0.000152333	8.29012E-05	0.117260702	2E-06	7.21568E-05	0.00073944	0.001600771	6.95404E-16
2075 Jan	0.001024803	0.153695613	1E-05	1.525653839	2.96046567	0.056636151	0.000302964	5.426831245	0.001364476	0.010777919	0.000465836	0.00015232	8.28991E-05	0.117273085	2E-06	7.21619E-05	0.000739488	0.001600687	6.95225E-16
2075 Feb	0.00102492	0.153725863	1E-05	1.52589643	2.961150169	0.056655992	0.000302963	5.427783489	0.001364641	0.01077835	0.000465901	0.00015233	8.29054E-05	0.11729899	2E-06	7.21657E-05	0.00073967	0.00160068	6.95132E-16
2075 Mar	0.001024984	0.153742418	1E-05	1.526029229	2.961524725	0.056666844	0.000302962	5.428304195	0.001364731	0.010778585	0.000465937	0.000152336	8.29088E-05	0.117313161	2E-06	7.21677E-05	0.00073977	0.001600676	6.95081E-16
2075 Apr	0.001025021	0.15375185	1E-05	1.526104808	2.96173811	0.056673028	0.000302962	5.428601742	0.001364783	0.01077872	0.000465958	0.000152339	8.29108E-05	0.117321238	2E-06	7.21689E-05	0.000739826	0.001600674	6.95052E-16
2075 May	0.001035172	0.157258764	1E-05	1.55228579	3.036764622	0.059081681	0.000298209	5.52339983	0.001384413	0.010811269	0.000488049	0.00015584	8.50336E-05	0.120137304	2E-06	7.22968E-05	0.00076509	0.001610783	6.63718E-16
2075 Jun	0.000879424	0.130877376	1E-05	1.310310006	2.372123957	0.04351123	0.000226236	4.447609425	0.001248008	0.010161947	0.000351868	0.000182959	7.0116E-05	0.094624683	2E-06	6.42735E-05	0.000672319	0.001788248	4.21009E-16
2075 Jul	0.000830233	0.12170817	1E-05	1.225311875	2.13944459	0.037824284	0.000203627	4.084583759	0.001197708	0.009933523	0.000303042	0.000188453	6.47853E-05	0.08569625	2E-06	6.14675E-05	0.000629392	0.001829002	3.38244E-16
2075 Aug	0.000829613	0.119884342	1E-05	1.214887023	2.105555296	0.036507845	0.000209336	4.062017918	0.001186657	0.009878256	0.000291642	0.000181496	6.40053E-05	0.084529273	2E-06	6.11898E-05	0.000603482	0.001796462	3.22293E-16
2075 Sep	0.000832022	0.118674271	1E-05	1.211556435	2.091486216	0.035585001	0.000220427	4.065041542	0.00118026	0.00989172	0.000282242	0.000175961	6.33791E-05	0.084088035	2E-06	6.17192E-05	0.000587754	0.001772764	3.11247E-16
2075 Oct	0.000841451	0.117201455	1E-05	1.206688285	2.075280905	0.034027971	0.000242039	4.079663277	0.0011695	0.009987718	0.000266529	0.000166652	6.19836E-05	0.083509758	2E-06	6.32282E-05	0.000564429	0.001732904	2.92668E-16
2075 Nov	0.000843291	0.11691419	1E-05	1.205738783	2.072120428	0.033724286	0.000246254	4.082514763	0.001167401	0.010006443	0.000263464	0.000164836	6.17114E-05	0.083396971	2E-06	6.35226E-05	0.00055988	0.00172513	2.89045E-16
2075 Dec	0.000843431	0.116892196	1E-05	1.205666065	2.071878195	0.033701032	0.000246577	4.082733154	0.00116724	0.010007877	0.000263229	0.000164697	6.16906E-05	0.083388329	2E-06	6.35451E-05	0.000559532	0.001724535	2.88767E-16
2076 Jan	0.0008436	0.116921626	1E-05	1.205927968	2.072607279	0.03371824	0.000246654	4.083882809	0.001167392	0.01000871	0.000263268	0.000164675	6.16949E-05	0.08341606	2E-06	6.35548E-05	0.000559656	0.001724382	2.88669E-16
2076 Feb	0.000843787	0.116968326	1E-05	1.206306696	2.073673725	0.033748645	0.000246662	4.085385799	0.001167646	0.010009417	0.000263391	0.000164687	6.1707E-05	0.083456464	2E-06	6.35612E-05	0.00055993	0.001724351	2.88618E-16
2076 Mar	0.000843889	0.116993695	1E-05	1.20651257	2.074253082	0.033765167	0.000246667	4.086202621	0.001167784	0.010009803	0.000263458	0.000164693	6.17136E-05	0.083478406	2E-06	6.35648E-05	0.000560078	0.001724334	2.8859E-16
2076 Apr	0.000843946	0.117007792	1E-05	1.206626892	2.074574709	0.033774339	0.00024667	4.086656094	0.001167861	0.010010017	0.000263495	0.000164697	6.17173E-05	0.083490603	2E-06	6.35667E-05	0.000560161	0.001724325	2.88575E-16
2076 May	0.000881163	0.127501264	1E-05	1.289103389	2.308329582	0.040767405	0.000242166	4.402255058	0.001225798	0.010146585	0.00032695	0.00017068	6.79741E-05	0.092313096	2E-06	6.46148E-05	0.000627966	0.001733546	2.62132E-16
2076 Jun	0.000957138	0.153474405	1E-05	1.484562397	2.867665291	0.05860525	0.000209905	5.110907078	0.001371807	0.010410332	0.000490036	0.00019658	8.36698E-05	0.113312617	2E-06	6.58774E-05	0.000816689	0.001809464	1.47682E-16
2076 Jul	0.000933688	0.148130074	1E-05	1.4372701 64	2.737146854	0.055099405	0.000203044	4.920857906	0.001341334	0.010299467	0.00045965	0.000196183	8.04728E-05	0.108329765	2E-06	6.46293E-05	0.000784501	0.001815761	1.36073E-16
2076 Aug	0.000928962	0.145618126	1E-05	1.422118545	2.689342737	0.05342776	0.000208751	4.875057697	0.001327693	0.010240324	0.000444521	0.000190261	7.93329E-05	0.106638901	2E-06	6.43491E-05	0.000758372	0.001790453	1.31045E-16
2076 Sep	0.000928311	0.143410563	1E-05	1.410947204	2.653250456	0.051810019	0.000220941	4.849068165	0.001315605	0.010247203	0.000428772	0.000183981	7.80668E-05	0.105361283	2E-06	6.48508E-05	0.000735975	0.001765169	1.26211E-16
2076 Oct	0.000934208	0.138686821	1E-05	1.384088039	2.573590279	0.047765113	0.000255506	4.797532082	0.001285432	0.010366972	0.000389597	0.000168304	7.44275E-05	0.102401331	2E-06	6.69683E-05	0.000684449	0.001702055	1.14145E-16
2076 Nov	0.000935509	0.137645051	1E-05	1.378164649	2.556021929	0.046873044	0.000263129	4.786166191	0.001278778	0.010393386	0.000380957	0.000164846	7.36249E-05	0.101748541	2E-06	6.74352E-05	0.000673085	0.001688136	1.11484E-16
2076 Dec	0.000935534	0.137624651	1E-05	1.378048539	2.555677891	0.046855573	0.000263279	4.785943985	0.001278648	0.010393904	0.000380788	0.000164779	7.36092E-05	0.1017357 56	2E-06	6.74444E-05	0.000672862	0.001687864	1.11432E-16
2077 Jan	0.000935638	0.137641564	1E-05	1.3782022	2.55610466	0.046865199	0.000263333	4.786632538	0.001278734	0.010394434	0.000380787	0.000164762	7.36094E-05	0.101752006	2E-06	6.74507E-05	0.000672927	0.001687758	1.11403E-16
2077 Feb	0.000935766	0.137673751	1E-05	1.378462791	2.556838274	0.046886202	0.000263337	4.78766346	0.001278909	0.010394913	0.000380863	0.000164771	7.36169E-05	0.101779796	2E-06	6.7455E-05	0.000673117	0.001687739	1.11388E-16
2077 Mar	0.000935836	0.137691334	1E-05	1.378605008	2.557238817	0.046897668	0.000263339	4.788226604	0.001279005	0.010395174	0.000380905	0.000164776	7.3621E-05	0.101794966	2E-06	6.74574E-05	0.00067322	0.001687729	1.1138E-16
2077 Apr	0.000935876	0.137701347	1E-05	1.37868619	2.557467222	0.046904206	0.00026334	4.788547516	0.00127906	0.010395324	0.000380929	0.000164778	7.36233E-05	0.101803631	2E-06	6.74587E-05	0.000673279	0.001687724	1.11376E-16
2077 May	0.000961112	0.145236313	1E-05	1.437153339	2.723556757	0.051978726	0.000258054	5.008780003	0.001320907	0.010484073	0.000427114	0.000170016	7.8151E-05	0.10806524	2E-06	6.80647E-05	0.000723622	0.001698745	1.02431E-16
2077 Jun	0.000993085	0.160698652	1E-05	1.546590567	3.040804625	0.063051976	0.000221027	5.372502804	0.001409992	0.010568729	0.000529433	0.000194164	8.77374E-05	0.119896345	2E-06	6.76134E-05	0.000851871	0.001785249	6.11948E-17
2077 Jul	0.000966424	0.155122787	1E-05	1.497862816	2.905794382	0.059524786	0.00021297	5.170148373	0.0013796	0.010454469	0.00049841	0.000195487	8.44789E-05	0.114743918	2E-06	6.63305E-05	0.000823137	0.001801129	5.67377E-17
2077 Aug	0.000960911	0.152624413	1E-05	1.483470917	2.859543085	0.057928305	0.000218642	5.124705791	0.001366792	0.01039612	0.000483668	0.000190204	8.34031E-05	0.113119327	2E-06	6.60785E-05	0.000799105	0.001779348	5.49157E-17
2077 Sep	0.00095148	0.142122671	1E-05	1.427027822	2.67983079	0.050467882	0.000267134	4.974310875	0.001310191	0.010376645	0.000411711	0.00016394	7.75913E-05	0.106720537	2E-06	6.77062E-05	0.000698094	0.001675288	4.64415E-17
2077 Oct	0.000954338	0.138551474	1E-05	1.404985309	2.616022587	0.047427639	0.000290538	4.925012112	0.001287172	0.01046001	0.000382568	0.000153258	7.48016E-05	0.104322016	2E-06	6.9138E-05	0.000660908	0.001632966	4.29951E-17
2077 Nov	0.000954437	0.138427809	1E-05	1.404222012	2.613812923	0.047322359	0.000291348	4.923304558	0.001286375	0.010462896	0.000381558	0.000152888	7.4705E-05	0.104238957	2E-06	6.91875E-05	0.00065962	0.001631501	4.28757E-17
2077 Dec	0.000954452	0.138409749	1E-05	1.404110551	2.613490105	0.047306988	0.000291466	4.923055649	0.001286258	0.010463318	0.000381411	0.000152834	7.46909E-05	0.104226835	2E-06	6.91948E-05	0.000659432	0.001631287	4.28583E-17
2078 Jan	0.000954537	0.138424248	1E-05	1.404237986	2.613847256	0.047315225	0.000291507	4.923621655	0.001286331	0.010463763	0.00038141	0.000152822	7.46908E-05	0.104240358	2E-06	6.91999E-05	0.000659491	0.001631207	4.28487E-17
2078 Feb	0.000954646	0.138452128	1E-05	1.404461384	2.614478111	0.04733343	0.000291507	4.924502373	0.001286483	0.01046417	0.000381477	0.000152831	7.46972E-05	0.104264222	2E-06	6.92034E-05	0.000659657	0.001631198	4.28438E-17
2078 Mar	0.000954706	0.138467327	1E-05	1.404583097	2.614821911	0.047343351	0.000291507	4.924982071	0.001286565	0.010464394	0.000381513	0.000152836	7.47007E-05	0.104277238	2E-06	6.92054E-05	0.000659748	0.001631193	4.28411E-17
2078 Apr	0.00095474	0.138475999	1E-05	1.404652596	2.615018129	0.047349006	0.000291507	4.925255299	0.001286612	0.01046452	0.000381533	0.000152839	7.47027E-05	0.104284652	2E-06	6.92065E-05	0.000659799	0.00163119	4.28395E-17
2078 May	0.001021274	0.159437627	1E-05	1.562804937	3.06794095	0.061483361	0.000270327	5.512205124	0.001402297	0.010697858	0.000510973	0.000170225	8.71623E-05	0.121289782	2E-06	7.05121E-05	0.000804057	0.001674857	3.31869E-17
2078 Jun	0.001069795	0.177783847	1E-05	1.695076346	3.450961113	0.074137293	0.00023833	5.979068756	0.00150461	0.01085604	0.000627781	0.000192138	9.81377E-05	0.135587171	2E-06	7.07986E-05	0.000942384	0.001744843	2.1021E-17
2078 Jul	0.00105608	0.174131691	1E-05	1.662303329	3.360944033	0.071610488	0.000234792	5.854097843	0.001482422	0.010779926	0.000606281	0.000190061	9.58765E-05	0.132150322	2E-06	6.99457E-05	0.00091549	0.001739555	2.0159E-17
2078 Aug	0.001040926	0.168240428	1E-05	1.616190076	3.228652239	0.067465648	0.000238172	5.69682312	0.001446807	0.010649305	0.000570537	0.000180441	9.25616E-05	0.127231285	2E-06	6.88604E-05	0.000859523	0.001699835	1.88035E-17
2078 Sep	0.001029764	0.163429454	1E-05	1.589327335	3.142426729	0.064408347	0.000251721	5.608479023	0.001423182	0.010578796	0.00054122	0.000171957	9.03213E-05	0.124179833	2E-06	6.88456E-05	0.000819564	0.001668382	1.78092E-17
2078 Oct	0.001027745	0.159903973	1E-05	1.566003561	3.075276613	0.061620209	0.000268517	5.542544842	0.001401693	0.010625573	0.000514703	0.000164241	8.77661E-05	0.121652104	2E-06	6.97674E-05	0.000787951	0.001639775	1.69049E-17
2078 Nov	0.001027227	0.158999816	1E-05	1.560021996	3.058055162	0.060905162	0.000272825	5.525635719	0.001396183	0.010637569	0.000507902	0.000162262	8.71108E-05	0.121003844	2E-06	7.00038E-05	0.000779844	0.001632438	1.6673E-17
2078 Dec	0.001027211	0.158972144	1E-05	1.55983901	3.057528019	0.06088328	0.000272957	5.525117874	0.001396014	0.010637936	0.000507694	0.000162202	8.70907E-05	0.12098401	2E-06	7.00111E-05	0.000779596	0.001632214	1.66659E-17
2079 Jan	0.001027284	0.1589825	1E-05	1.559935689	3.05779767	0.060888726	0.000273003	5.525569439	0.001396064	0.010638361	0.000507663	0.000162187	8.70877E-05	0.12099424	2E-06	7.00162E-05	0.000779629	0.00163213	1.6662E-17
2079 Feb	0.00102739	0.159009248	1E-05	1.5601511	3.058405399	0.060906164	0.000273006	5.526419163	0.00139621	0.010638767	0.000507718	0.000162195	8.70929E-05	0.121017233	2E-06	7.00198E-05	0.000779789	0.00163212	1.666E-17
2079 Mar	0.001027447	0.159023821	1E-05	1.560268641	3.058736801	0.060915679	0.000273007	5.526883125	0.001396289	0.010638989	0.000507747	0.0001622	8.70958E-05	0.121029779	2E-06	7.00218E-05	0.000779876	0.001632115	1.66589E-17
2079 Apr	0.00102748	0.159032121	1E-05	1.560335517	3.05892539	0.060921088	0.000273008	5.527146816	0.001396335	0.010639115	0.000507764	0.000162202	8.70974E-05	0.12103691	2E-06	7.00229E-05	0.000779926	0.001632112	1.66582E-17
2079 May	0.001030356	0.159967884	1E-05	1.567389369	3.079150915	0.061555728	0.000272036	5.55302	0.001401547	0.010650241	0.000513541	0.000163076	8.76503E-05	0.121795185	2E-06	7.00874E-05	0.000786638	0.001634594	1.64436E-17
2079 Jun	0.000918599	0.143928126	1E-05	1.409677148	2.653325558	0.052544869	0.000207489	4.814682007	0.001320959	0.010222618	0.000435603	0.000192828	7.84498E-05	0.105276629	2E-06	6.42174E-05	0.000757135	0.001807837	9.13327E-18
2079 Jul	0.00087525	0.134621218	1E-05	1.326309443	2.424044371	0.046522766	0.000193187	4.472982883	0.001268571	0.010030063	0.000383299	0.000194218	7.28666E-05	0.096500121	2E-06	6.19782E-05	0.000705869	0.001829424	7.69484E-18
2079 Aug	0.000873385	0.132494256	1E-05	1.310315013	2.377464771	0.044880763	0.000196921	4.42903614	0.001254274	0.00997722	0.000369565	0.000187662	7.16687E-05	0.094795324	2E-06	6.15933E-05	0.000677918	0.001798939	7.34905E-18
2079 Sep	0.000880218	0.127906978	1E-05	1.290722966	2.31171751	0.04118491	0.000234301	4.407074928	0.001227678	0.010063339	0.000332799	0.000170125	6.86976E-05	0.092498638	2E-06	6.36338E-05	0.000624494	0.001726355	6.58036E-18
2079 Oct	0.000889315	0.125097066	1E-05	1.277403593	2.270968199	0.038559139	0.000263157	4.399030209	0.00120881	0.010182397	0.000306795	0.000157684	6.63194E-05	0.090998776	2E-06	6.55702E-05	0.000589067	0.001674862	6.03503E-18
2079 Nov	0.000894009	0.123647317	1E-05	1.270531654	2.24994421	0.037204411	0.000278044	4.394879341	0.001199075	0.010243823	0.000293378	0.000151265	6.50924E-05	0.090224952	2E-06	6.65693E-05	0.000570789	0.001648296	5.75368E-18
2079 Dec	0.000897609	0.122535668	1E-05	1.265262365	2.233823061	0.036165614	0.00028946	4.39169693	0.001191611	0.010290924	0.00028309	0.000146343	6.41516E-05	0.08963158	2E-06	6.73353E-05	0.000556773	0.001627924	5.53794E-18
2080 Jan	0.000897844	0.122578405	1E-05	1.265638947	2.234873056	0.036190934	0.000289561	4.393330574	0.001191832	0.01029209	0.000283137	0.000146317	6.41568E-05	0.089671493	2E-06	6.73487E-05	0.000556965	0.001627731	5.53493E-18
2080 Feb	0.000898121	0.122649595	1E-05	1.266212583	2.236489773	0.036237616	0.000289562	4.395586491	0.001192222	0.010293116	0.000283323	0.00014634	6.4175E-05	0.089732699	2E-06	6.73577E-05	0.000557392	0.001627709	5.5334E-18
2080 Mar	0.000898272	0.122688316	1E-05	1.266524553	2.237368584	0.036263004	0.000289563	4.396813393	0.001192434	0.010293674	0.000283424	0.000146353	6.41849E-05	0.089765988	2E-06	6.73626E-05	0.000557624	0.001627697	5.53257E-18
2080 Apr	0.000898356	0.122709841	1E-05	1.266698122	2.23785758	0.036277123	0.000289564	4.397495747	0.001192551	0.010293984	0.00028348	0.00014636	6.41904E-05	0.089784496	2E-06	6.73653E-05	0.000557753	0.001627691	5.53211E-18
2080 May	0.00089916	0.122957177	1E-05	1.268609762	2.243290186	0.036444746	0.00028936	4.404637337	0.001193932	0.01029675	0.000284984	0.000146547	6.43375E-05	0.089989267	2E-06	6.73831E-05	0.000559435	0.001628125	5.51974E-18
2080 Jun	0.000814651	0.112104237	1E-05	1.15948844	1.948008299	0.030771971	0.000233657	3.87578702	0.001141815	0.009928195	0.000236945	0.000171399	5.85962E-05	0.078558557	2E-06	6.23826E-05	0.000547371	0.00176671	3.87599E-18
2080 Jul	0.000783374	0.106755331	1E-05	1.103899479	1.799126267	0.027400393	0.000211354	3.638200521	0.001110105	0.009741578	0.000210115	0.000175414	5.54605E-05	0.072803043	2E-06	5.9893E-05	0.000519114	0.001791227	3.09671E-18
2080 Aug	0.000786393	0.105246745	1E-05	1.095567226	1.771166086	0.026169879	0.000217479	3.631654024	0.001099259	0.009676044	0.000200253	0.000166216	5.48732E-05	0.071875229	2E-06	5.95053E-05	0.000488299	0.0017457	2.87835E-18

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.00079247	0.102740638	1E-05	1.097039819	1.75704968	0.024572572	0.000245255	3.673075199	0.001089674	0.009666935	0.000182504	0.000152097	5.43015E-05	0.071705341	2E-06	6.05981E-05	0.000452268	0.001683834	2.60041E-18
2080 Oct	0.000808895	0.102013849	1E-05	1.09978044	1.76228404	0.023319274	0.000273297	3.726036072	0.001082218	0.009819356	0.000168909	0.000141113	5.31123E-05	0.071929403	2E-06	6.27934E-05	0.000431042	0.001635703	2.38418E-18
2080 Nov	0.000820421	0.101503842	1E-05	1.101703644	1.765957117	0.0224398	0.000292975	3.763200283	0.001076985	0.009926314	0.000159369	0.000133405	5.22778E-05	0.072086632	2E-06	6.4334E-05	0.000416148	0.001601929	2.23245E-18
2080 Dec	0.000821314	0.101464294	1E-05	1.101852775	1.766242027	0.022371605	0.000294501	3.766082048	0.00107658	0.009934607	0.000158629	0.000132808	5.22131E-05	0.072098821	2E-06	6.44534E-05	0.000414993	0.00159931	2.22069E-18
2081 Jan	0.000821514	0.101503685	1E-05	1.102190137	1.767187595	0.022395546	0.000294569	3.767508507	0.001076787	0.009935578	0.000158714	0.000132795	5.22217E-05	0.072134674	2E-06	6.4464E-05	0.00041519	0.001599185	2.21983E-18
2081 Feb	0.000821728	0.101558991	1E-05	1.10263443	1.7684412	0.022431804	0.000294569	3.769252777	0.001077089	0.009936386	0.000158872	0.000132815	5.22372E-05	0.072182104	2E-06	6.44711E-05	0.000415524	0.001599176	2.21939E-18
2081 Mar	0.000821845	0.101589255	1E-05	1.102877617	1.76912725	0.02245165	0.000294569	3.770207167	0.001077255	0.009936827	0.000158958	0.000132825	5.22456E-05	0.072208062	2E-06	6.44749E-05	0.000415708	0.00159917	2.21915E-18
2081 Apr	0.000822082	0.101650402	1E-05	1.103368998	1.770513415	0.022491744	0.000294569	3.772135258	0.001077589	0.00993772	0.000159134	0.000132847	5.22627E-05	0.072260514	2E-06	6.44827E-05	0.000416078	0.00159916	2.21866E-18
2081 May	0.000898323	0.124747165	1E-05	1.281866908	2.278399706	0.038066354	0.000277467	4.441125393	0.001206066	0.010216167	0.00030016	0.00015004	6.60204E-05	0.091386542	2E-06	6.63637E-05	0.000573138	0.001638912	1.82601E-18
2081 Jun	0.000966628	0.147990718	1E-05	1.456975102	2.779525042	0.054014564	0.000249324	5.07649374	0.001336732	0.010458985	0.000446033	0.000173169	8.00536E-05	0.110197835	2E-06	6.75764E-05	0.000742253	0.001706877	1.29784E-18
2081 Jul	0.000959313	0.146499023	1E-05	1.443266511	2.741984844	0.053057879	0.000246312	5.019673824	0.001328297	0.010424125	0.000437849	0.000173582	7.91683E-05	0.108758673	2E-06	6.71564E-05	0.000734186	0.0017111	1.26683E-18
2081 Aug	0.000956541	0.145315826	1E-05	1.436149597	2.719410419	0.052301012	0.0002485	4.996790886	0.001322125	0.010393451	0.000430978	0.000171134	7.86611E-05	0.107961714	2E-06	6.69902E-05	0.000722664	0.001700879	1.24464E-18
2081 Sep	0.000950793	0.141662821	1E-05	1.41806519	2.658778906	0.049924761	0.000262911	4.945057392	0.001304189	0.010351271	0.000407901	0.000162719	7.69928E-05	0.105861187	2E-06	6.7229E-05	0.000688967	0.0016677	1.17534E-18
2081 Oct	0.000952281	0.139853463	1E-05	1.407129765	2.626937628	0.048390184	0.000275043	4.920949459	0.001292642	0.010394879	0.000393138	0.000157301	7.55885E-05	0.104666874	2E-06	6.79796E-05	0.000670291	0.001646339	1.13072E-18
2081 Nov	0.000953964	0.137808204	1E-05	1.394768715	2.590944767	0.046655517	0.000288757	4.893698692	0.001279588	0.010444172	0.00037645	0.000151177	7.40011E-05	0.103316851	2E-06	6.8828E-05	0.00064918	0.001622193	1.08029E-18
2081 Dec	0.000954235	0.137478337	1E-05	1.39277494	2.585139513	0.046375733	0.000290969	4.889303207	0.001277483	0.010452122	0.000373758	0.000150189	7.37451E-05	0.103099108	2E-06	6.89648E-05	0.000645775	0.001618299	1.07215E-18
2082 Jan	0.000954409	0.137508214	1E-05	1.393038988	2.585877895	0.046392906	0.000291051	4.890469551	0.001277635	0.01045303	0.00037376	0.000150166	7.37454E-05	0.103127107	2E-06	6.89752E-05	0.000645902	0.001618143	1.07167E-18
2082 Feb	0.000954631	0.137565061	1E-05	1.39349544	2.587166071	0.0464301	0.000291052	4.89226532	0.001277945	0.010453863	0.000373896	0.000150185	7.37586E-05	0.103175849	2E-06	6.89825E-05	0.000646243	0.001618127	1.07142E-18
2082 Mar	0.000954751	0.137595996	1E-05	1.393743873	2.58786726	0.046450336	0.000291053	4.893242836	0.001278113	0.010454315	0.00037397	0.000150195	7.37657E-05	0.103202373	2E-06	6.89865E-05	0.000646428	0.001618119	1.07128E-18
2082 Apr	0.00095482	0.137613699	1E-05	1.39388597	2.588267803	0.046461899	0.000291053	4.893801212	0.00127821	0.010454575	0.000374013	0.000150201	7.37698E-05	0.103217535	2E-06	6.89887E-05	0.000646534	0.001618114	1.0712E-18
2082 May	0.000954923	0.137644947	1E-05	1.3941257	2.588951588	0.046482947	0.000291028	4.894699574	0.001278383	0.010454942	0.000374185	0.000150225	7.37864E-05	0.103243262	2E-06	6.89911E-05	0.000646746	0.001618168	1.07089E-18
2082 Jun	0.00081999	0.117076464	1E-05	1.197194934	2.053147078	0.034730792	0.000217329	3.990873337	0.001173784	0.009901107	0.000272796	0.000181175	6.22126E-05	0.082563177	2E-06	6.17295E-05	0.000593219	0.001803936	6.55408E-19
2082 Jul	0.000762367	0.107327677	1E-05	1.102742314	1.797115445	0.028809346	0.000185509	3.576549053	0.001120522	0.009635136	0.000222827	0.000190807	5.65418E-05	0.072686173	2E-06	5.82674E-05	0.000554179	0.001865178	4.61958E-19
2082 Aug	0.000764085	0.106110729	1E-05	1.099801064	1.782133579	0.027988762	0.000193416	3.582154036	0.001114228	0.009593736	0.0002152	0.000184035	5.62621E-05	0.072271489	2E-06	5.82355E-05	0.000533511	0.001833292	4.41971E-19
2082 Sep	0.000770102	0.105031572	1E-05	1.100592494	1.777311802	0.027109148	0.000209388	3.608472109	0.001108767	0.009619642	0.000205733	0.000176192	5.57891E-05	0.072227567	2E-06	5.90606E-05	0.000514639	0.001798472	4.2084E-19
2082 Oct	0.000796685	0.103697978	1E-05	1.104147673	1.782472372	0.024980402	0.000254493	3.693279028	0.001095618	0.009846956	0.000183159	0.00015731	5.38803E-05	0.072490185	2E-06	6.24381E-05	0.00047624	0.001714639	3.69966E-19
2082 Nov	0.000798544	0.103604741	1E-05	1.104396224	1.782833099	0.024831569	0.000257646	3.69920826	0.001094699	0.009862849	0.000181581	0.00015599	5.37469E-05	0.072508551	2E-06	6.26743E-05	0.000473556	0.001708777	3.66409E-19
2082 Dec	0.000798632	0.103600338	1E-05	1.104407787	1.782850146	0.024824545	0.000257795	3.699488163	0.001094655	0.009863599	0.000181506	0.000155928	5.37406E-05	0.072509415	2E-06	6.26854E-05	0.000473429	0.001708501	3.66241E-19
2083 Jan	0.000798767	0.103625454	1E-05	1.104627013	1.783462048	0.024839507	0.000257849	3.700434685	0.001094786	0.00986425	0.000181555	0.000155914	5.37458E-05	0.072532661	2E-06	6.26928E-05	0.000473543	0.001708392	3.66149E-19
2083 Feb	0.000798911	0.103661381	1E-05	1.104917645	1.784280539	0.02486293	0.000257854	3.701585054	0.001094981	0.009864788	0.000181656	0.000155923	5.37557E-05	0.072563656	2E-06	6.26976E-05	0.000473754	0.001708371	3.66101E-19
2083 Mar	0.000798989	0.103680991	1E-05	1.105076313	1.784727335	0.024875715	0.000257857	3.702213049	0.001095088	0.009865082	0.000181711	0.000155929	5.37611E-05	0.072580583	2E-06	6.27003E-05	0.000473869	0.00170836	3.66075E-19
2083 Apr	0.000799033	0.103692174	1E-05	1.105166674	1.784982204	0.024883004	0.000257858	3.702571154	0.001095149	0.009865249	0.000181742	0.000155932	5.37642E-05	0.072590232	2E-06	6.27018E-05	0.000473935	0.001708354	3.6606E-19
2083 May	0.0008594	0.120800205	1E-05	1.239203334	2.165141582	0.036286544	0.000249781	4.214907646	0.001189498	0.01008408	0.000285372	0.000165845	6.39679E-05	0.086934447	2E-06	6.43481E-05	0.000584508	0.001723963	3.17065E-19
2083 Jun	0.000961064	0.153313473	1E-05	1.486675858	2.871538639	0.05837936	0.000217056	5.129208565	0.001370772	0.010437714	0.000487223	0.000193605	8.35257E-05	0.113496505	2E-06	6.63668E-05	0.000811212	0.001796177	1.7987E-19
2083 Jul	0.000937587	0.147453845	1E-05	1.433844805	2.726451635	0.054392975	0.000209955	4.923939705	0.001335714	0.010310592	0.000453295	0.0001913	7.99424E-05	0.107954279	2E-06	6.49197E-05	0.000770373	0.001792823	1.63966E-19
2083 Aug	0.000927186	0.141078159	1E-05	1.380411386	2.576263428	0.049487963	0.000214153	4.758768082	0.001292278	0.010155567	0.000412829	0.000175973	7.6081E-05	0.102339044	2E-06	6.35073E-05	0.000694727	0.001722648	1.45838E-19
2083 Sep	0.000929377	0.136475578	1E-05	1.35738492	2.503343105	0.045889512	0.000245422	4.712203979	0.001265953	0.010229387	0.000377295	0.000161925	7.30519E-05	0.099717088	2E-06	6.52245E-05	0.000647882	0.001667019	1.32703E-19
2083 Oct	0.000938155	0.130325243	1E-05	1.324460268	2.404397249	0.040620428	0.00029423	4.653966427	0.001227444	0.010413368	0.000325415	0.000141375	6.82661E-05	0.096051246	2E-06	6.83776E-05	0.000582595	0.00158564	1.13488E-19
2083 Nov	0.000940696	0.128545016	1E-05	1.314930201	2.375756979	0.039095275	0.000308357	4.63710928	0.001216298	0.010466621	0.000310398	0.000135426	6.68808E-05	0.094990164	2E-06	6.92902E-05	0.000563698	0.001562085	1.07926E-19
2083 Dec	0.000940728	0.128522351	1E-05	1.314808846	2.375392675	0.039075866	0.000308537	4.636894226	0.001216156	0.0104673	0.000310207	0.000135351	6.68632E-05	0.094976664	2E-06	6.93018E-05	0.000563458	0.001561785	1.07855E-19
2084 Jan	0.000940855	0.128546327	1E-05	1.315020084	2.375980854	0.039090347	0.000308589	4.637797832	0.001216282	0.010467933	0.000310229	0.00013534	6.68657E-05	0.09499903	2E-06	6.9309E-05	0.000563574	0.001561694	1.07821E-19
2084 Feb	0.000941015	0.128588393	1E-05	1.315358996	2.376935244	0.039118107	0.000308587	4.639121056	0.001216514	0.010468524	0.000310337	0.000135355	6.68762E-05	0.095035166	2E-06	6.93142E-05	0.000563831	0.001561692	1.07803E-19
2084 Mar	0.000941102	0.128611118	1E-05	1.315541983	2.377450943	0.039133105	0.000308586	4.639836788	0.001216639	0.010468843	0.000310395	0.000135364	6.68819E-05	0.095054694	2E-06	6.93169E-05	0.00056397	0.001561691	1.07793E-19
2084 Apr	0.00094115	0.128623798	1E-05	1.315644145	2.377738476	0.039141465	0.000308585	4.640235424	0.001216709	0.010469021	0.000310428	0.000135369	6.68851E-05	0.095065579	2E-06	6.93185E-05	0.000564047	0.00156169	1.07788E-19
2084 May	0.000998349	0.147675321	1E-05	1.462103128	2.793909073	0.052277468	0.000288017	5.175399303	0.001324727	0.010659961	0.000429968	0.000152892	7.85721E-05	0.110748321	2E-06	7.03709E-05	0.000700334	0.001610444	8.78288E-20
2084 Jun	0.001040883	0.167262241	1E-05	1.605353117	3.204950809	0.066377625	0.000246322	5.657969475	0.001439126	0.010775634	0.000559209	0.000181793	9.09162E-05	0.126153782	2E-06	7.01141E-05	0.000861356	0.001712772	5.49097E-20
2084 Jul	0.001019431	0.162367761	1E-05	1.561753631	3.084681273	0.063160948	0.000239484	5.483311176	0.001411004	0.010667734	0.000531517	0.000181231	8.80045E-05	0.121564366	2E-06	6.88918E-05	0.000830978	0.001717203	5.1573E-20
2084 Aug	0.00100962	0.158576742	1E-05	1.536680818	3.008185863	0.0606847	0.000244633	5.398811817	0.001390522	0.010576888	0.000509265	0.000174529	8.6207E-05	0.118806519	2E-06	6.83264E-05	0.000795986	0.00169004	4.91765E-20
2084 Sep	0.000998768	0.152866974	1E-05	1.505638123	2.908186674	0.056947827	0.000264177	5.302446365	0.001361946	0.010516039	0.000473219	0.000163222	8.3425E-05	0.115270324	2E-06	6.861E-05	0.000746677	0.00164723	4.55781E-20
2084 Oct	0.00099788	0.146900937	1E-05	1.46756804	2.797901392	0.052139092	0.000296439	5.201864243	0.001325264	0.010615761	0.000427185	0.000148707	7.9024E-05	0.111128211	2E-06	7.04738E-05	0.000690968	0.001592276	4.09588E-20
2084 Nov	0.000997577	0.144872829	1E-05	1.454626322	2.760410786	0.050504398	0.000307406	5.167672157	0.001312794	0.010649661	0.000411536	0.000143772	7.75279E-05	0.109720126	2E-06	7.11074E-05	0.000672031	0.001573595	3.93886E-20
2084 Dec	0.000997574	0.14484714	1E-05	1.454462409	2.759935856	0.050483692	0.000307544	5.167238712	0.001312636	0.01065009	0.000411338	0.00014371	7.75089E-05	0.109702289	2E-06	7.11154E-05	0.000671791	0.001573359	3.93687E-20
2085 Jan	0.000997668	0.144863293	1E-05	1.454606175	2.760337353	0.050493017	0.00030759	5.167871952	0.001312718	0.010650589	0.000411328	0.000143698	7.75081E-05	0.109717526	2E-06	7.11212E-05	0.000671861	0.001573276	3.93578E-20
2085 Feb	0.000997797	0.144896984	1E-05	1.454876304	2.761099577	0.050515153	0.000307588	5.168929577	0.001312903	0.010651069	0.000411406	0.00014371	7.75156E-05	0.109746359	2E-06	7.11253E-05	0.000672065	0.001573273	3.93521E-20
2085 Mar	0.000997867	0.144915357	1E-05	1.455023646	2.761515379	0.050527226	0.000307587	5.16950655	0.001313003	0.01065133	0.000411449	0.000143717	7.75197E-05	0.109762095	2E-06	7.11276E-05	0.000672177	0.001573271	3.93491E-20
2085 Apr	0.000997907	0.144925818	1E-05	1.45510745	2.761751652	0.050534096	0.000307587	5.169835091	0.001313061	0.010651479	0.000411473	0.000143721	7.7522E-05	0.109771043	2E-06	7.11289E-05	0.00067224	0.00157327	3.93473E-20
2085 May	0.001036471	0.158168316	1E-05	1.554746866	3.046760082	0.059641469	0.000290751	5.530861378	0.001387543	0.010781283	0.000494753	0.000156916	8.5548E-05	0.120475262	2E-06	7.17212E-05	0.00076826	0.001611766	3.33295E-20
2085 Jun	0.001063747	0.170668751	1E-05	1.643930197	3.30493474	0.068540677	0.00026285	5.830904484	0.00145933	0.010860004	0.000576798	0.000175579	9.3252E-05	0.130109236	2E-06	7.15103E-05	0.000870508	0.001677749	2.48182E-20
2085 Jul	0.001051013	0.167199343	1E-05	1.611953139	3.217582226	0.066100657	0.000258621	5.710433483	0.001437599	0.010779898	0.000556414	0.00017319	9.10878E-05	0.12676993	2E-06	7.05839E-05	0.000843136	0.001670041	2.37494E-20
2085 Aug	0.001029814	0.159685075	1E-05	1.561913729	3.06527257	0.061264545	0.000267459	5.536748886	0.001397671	0.010600328	0.000512776	0.000161335	8.7537E-05	0.121266641	2E-06	6.94351E-05	0.000777267	0.001623598	2.17074E-20
2085 Sep	0.001012741	0.149638012	1E-05	1.50231123	2.881782532	0.054323532	0.000303317	5.351215839	0.001344266	0.010561243	0.000446252	0.000142355	8.18993E-05	0.114615604	2E-06	7.04454E-05	0.000692518	0.001553953	1.87922E-20
2085 Oct	0.001010533	0.144236326	1E-05	1.466164947	2.778697968	0.049971785	0.000330422	5.250128269	0.001310843	0.010652383	0.000404772	0.000130476	7.78315E-05	0.110711224	2E-06	7.20526E-05	0.00064441	0.001510366	1.69678E-20
2085 Nov	0.001009502	0.141714603	1E-05	1.449290276	2.730573654	0.047940206	0.000343076	5.202936649	0.001295239	0.010694931	0.000385407	0.00012493	7.59324E-05	0.108888492	2E-06	7.2803E-05	0.000621951	0.001490018	1.6116E-20
2085 Dec	0.001009489	0.141682386	1E-05	1.449074745	2.729959011	0.047914252	0.000343238	5.20233345	0.00129504	0.010695475	0.000385159	0.000124859	7.59082E-05	0.108865209	2E-06	7.28125E-05	0.000621664	0.001489758	1.61051E-20
2086 Jan	0.0010096	0.141703323	1E-05	1.449253321	2.73046279	0.047926597	0.000343281	5.203099728	0.001295147	0.010696071	0.000385157	0.000124851	7.59077E-05	0.108884215	2E-06	7.2819E-05	0.000621767	0.001489685	1.60997E-20
2086 Feb	0.001009757	0.141745135	1E-05	1.44958508	2.731401443	0.047954164	0.000343273	5.204389572	0.001295376	0.01069665	0.000385257	0.000124869	7.59172E-05	0.108919688	2E-06	7.28238E-05	0.000622027	0.001489696	1.60969E-20
2086 Mar	0.001009842	0.141767949	1E-05	1.44976604	2.731913567	0.047969192	0.000343268	5.205091953	0.001295501	0.010696967	0.000385312	0.00012488	7.59223E-05	0.108939029	2E-06	7.28264E-05	0.000622168	0.001489702	1.60953E-20
2086 Apr	0.00100989	0.141780928	1E-05	1.449869037	2.732204676	0.047977746	0.000343265	5.205492496	0.001295572	0.010697148	0.000385343	0.000124885	7.59253E-05	0.108950034	2E-06	7.28279E-05	0.000622249	0.001489705	1.60945E-20
2086 May	0.001021601	0.146155193	1E-05	1.481885672	2.824493885	0.051005177	0.000336164	5.318844318	0.001320165	0.01073631	0.000413149	0.000130007	7.85602E-05	0.112402141	2E-06	7.29341E-05	0.000655287	0.001506038	1.53102E-20
2086 Jun	0.000999685	0.155482471	1E-05	1.522928715	2.961488008	0.058918964	0.000258136	5.342879772	0.001379085	0.010602415	0.000489563	0.000173226	8.4647E-05	0.117152281	2E-06	6.91873E-05	0.00078547	0.001694936	8.6929E-21
2086 Jul	0.000957156	0.146949887	1E-05	1.445180655	2.748171568	0.053501349	0.000241244	5.018014908	0.001331568	0.010408265	0.000442787	0.000176249	7.9601E-05	0.108977176	2E-06	6.68626E-05	0.000741584	0.001722923	7.63966E-21
2086 Aug	0.000947219	0.142396599	1E-05	1.413407326	2.652915955	0.050379708	0.000246943	4.916254997	0.001305123	0.010290861	0.000415559	0.0001666	7.73436E-05	0.105523825	2E-06	6.6042E-05	0.000694223	0.001681172	7.09251E-21
2086 Sep	0.000935012	0.134428814	1E-05	1.375133753	2.523064375	0.045221634	0.000279722	4.808283329	0.001266504	0.010203602	0.000365047	0.000148045	7.37384E-05	0.101047859	2E-06	6.66681E-05	0.000621037	0.001608246	6.19482E-21
2086 Oct	0.000937836	0.132353038	1E-05	1.362547517	2.486965895	0.043387525	0.000295268	4.782699108	0.001252821	0.010270165	0.000347279	0.000141471	7.20062E-05	0.099679634	2E-06	6.7712E-05	0.000599265	0.001582407	5.87675E-21
2086 Nov	0.000937917	0.132293448	1E-05	1.362186313	2.485929966	0.04333489	0.000295714	4.781965256	0.001252428	0.010272075	0.000346769	0.000141282	7.19564E-05	0.099640369	2E-06	6.7742E-05	0.00059864	0.001581666	5.86762E-21
2086 Dec	0.000937935	0.132280186	1E-05	1.362105846	2.485699177	0.043323167	0.000295813	4.781801224	0.001252341	0.010272501	0.000346655	0.00014124	7.19454E-05	0.099631622	2E-06	6.77487E-05	0.000598501	0.001581501	5.86559E-21
2087 Jan	0.00093801	0.132293671	1E-05	1.362222075	2.486027002	0.04333093	0.000295847	4.782309532	0.001252409	0.010272915	0.000346661	0.000141232	7.19458E-05	0.099643998	2E-06	6.77533E-05	0.000598563	0.001581443	5.86447E-21
2087 Feb	0.000938105	0.132318005	1E-05	1.362416267	2.486576319	0.043346807	0.000295847	4.783074272	0.001252541	0.010273281	0.000346721	0.000141241	7.19515E-05	0.099664755	2E-06	6.77564E-05	0.000598711	0.00158144	5.8639E-21
2087 Mar	0.000938157	0.132331297	1E-05	1.362522483	2.486876488	0.04335548	0.000295847	4.783489227	0.001252613	0.010273481	0.000346754	0.000141246	7.19546E-05	0.099676102	2E-06	6.77581E-05	0.000598791	0.001581438	5.86358E-21
2087 Apr	0.000938186	0.132338837	1E-05	1.362582803	2.487047195	0.043360416	0.000295847	4.783726215	0.001252655	0.010273594	0.000346772	0.000141248	7.19564E-05	0.099682547	2E-06	6.77591E-05	0.000598837	0.001581437	5.86341E-21
2087 May	0.000964948	0.140849084	1E-05	1.426428556	2.670533419	0.049085967	0.000287409	5.019425869	0.001299629	0.010378853	0.000399049	0.000148864	7.69371E-05	0.106554225	2E-06	6.83807E-05	0.00065901	0.001602334	5.36027E-21
2087 Jun	0.001013854	0.160509676	1E-05	1.565495372	3.076548576	0.062665164	0.000250635	5.499897957	0.00140954	0.010575195	0.000524067	0.000175841	8.84402E-05	0.121628553	2E-06	6.88173E-05	0.000815675	0.001695774	3.57805E-21
2087 Jul	0.000995265	0.15548107	1E-05	1.518340349	2.948523998	0.059098464	0.000244089	5.321751595	0.001377711	0.010463825	0.000494332	0.000172692	8.52275E-05	0.11671678	2E-06	6.74868E-05	0.000776528	0.001686182	3.32508E-21

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.000989597	0.153101221	1E-05	1.499541163	2.894667864	0.057398606	0.000245434	5.259071827	0.001362988	0.010407685	0.000479837	0.000168354	8.38871E-05	0.114715911	2E-06	6.70102E-05	0.000752542	0.001667608	3.21002E-21
2087 Sep	0.000987718	0.150426909	1E-05	1.483800411	2.847015142	0.055393558	0.000258513	5.215949059	0.00134778	0.010427598	0.000460495	0.000162138	8.2169E-05	0.112969086	2E-06	6.76297E-05	0.000728163	0.001644037	3.07553E-21
2087 Oct	0.000987834	0.147550359	1E-05	1.465764284	2.794659615	0.053053983	0.000275029	5.169764996	0.001330051	0.010482267	0.000437989	0.000154892	8.00193E-05	0.111002907	2E-06	6.86171E-05	0.000701086	0.001616557	2.91875E-21
2087 Nov	0.000987885	0.146291435	1E-05	1.457870722	2.771746397	0.052030072	0.000282257	5.149553299	0.001322291	0.010506192	0.000428139	0.000151721	7.90785E-05	0.110142402	2E-06	6.90493E-05	0.000689235	0.001604531	2.85013E-21
2087 Dec	0.000987886	0.146267101	1E-05	1.457718134	2.771303415	0.052010279	0.000282397	5.149162292	0.001322141	0.010506656	0.000427948	0.00015166	7.90603E-05	0.110125773	2E-06	6.90577E-05	0.000689006	0.001604299	2.84881E-21
2088 Jan	0.000987976	0.146281853	1E-05	1.457851768	2.771675825	0.052018613	0.000282446	5.149758816	0.001322216	0.010507159	0.000427935	0.000151647	7.90591E-05	0.110139914	2E-06	6.90636E-05	0.000689067	0.001604214	2.84807E-21
2088 Feb	0.000988099	0.146313354	1E-05	1.458105445	2.772391319	0.052039228	0.000282448	5.150756359	0.001322388	0.010507628	0.000428006	0.000151657	7.9066E-05	0.110166974	2E-06	6.90677E-05	0.000689257	0.001604207	2.84769E-21
2088 Mar	0.000988166	0.146330431	1E-05	1.458243012	2.772779465	0.052050412	0.000282449	5.151297569	0.001322482	0.010507884	0.000428045	0.000151663	7.90697E-05	0.110181659	2E-06	6.907E-05	0.00068936	0.001604203	2.84748E-21
2088 Apr	0.000988257	0.1463539	1E-05	1.45843184	2.773311853	0.052065764	0.00028245	5.152040005	0.00132261	0.010508235	0.000428098	0.000151671	7.90748E-05	0.110201813	2E-06	6.90731E-05	0.000689502	0.001604197	2.84719E-21
2088 May	0.000991632	0.147256076	1E-05	1.465619206	2.793632746	0.052661031	0.000282313	5.179945946	0.001327567	0.010521134	0.000430833	0.000152077	7.93386E-05	0.110969648	2E-06	6.91814E-05	0.000695149	0.001604487	2.83244E-21
2088 Jun	0.000889445	0.13203761	1E-05	1.320230603	2.398095369	0.044081364	0.000227159	4.50505352	0.001251575	0.010123319	0.000356857	0.000177191	7.08438E-05	0.095689066	2E-06	6.39237E-05	0.000661834	0.001754022	1.91955E-21
2088 Jul	0.00085735	0.126354769	1E-05	1.267984271	2.254954815	0.040642921	0.000212953	4.276543617	0.001221482	0.00999127	0.000327075	0.000182137	6.75707E-05	0.090188652	2E-06	6.22869E-05	0.000639767	0.001787788	1.6939E-21
2088 Aug	0.000856112	0.125314951	1E-05	1.262931347	2.237396479	0.039968178	0.000216435	4.264230728	0.001216105	0.009962359	0.000320903	0.000178886	6.71909E-05	0.089599259	2E-06	6.21863E-05	0.000627423	0.00177332	1.6568E-21
2088 Sep	0.000856836	0.124051556	1E-05	1.258562207	2.220579624	0.039070733	0.000225474	4.259852409	0.001209719	0.009963713	0.000311923	0.00017419	6.65931E-05	0.089051642	2E-06	6.25478E-05	0.000612822	0.00175357	1.60784E-21
2088 Oct	0.000872097	0.120607503	1E-05	1.243828297	2.174671173	0.035681784	0.000266391	4.265599251	0.001185684	0.010139779	0.000278353	0.000156519	6.35454E-05	0.087372497	2E-06	6.53501E-05	0.000565167	0.001679241	1.42357E-21
2088 Nov	0.000876153	0.119692147	1E-05	1.239912391	2.162469864	0.034781072	0.000277266	4.26712656	0.001179296	0.010186573	0.00026943	0.000151823	6.27354E-05	0.086926207	2E-06	6.60949E-05	0.000552501	0.001659486	1.3746E-21
2088 Dec	0.000876208	0.119679779	1E-05	1.239859462	2.162305117	0.034768913	0.000277413	4.267147541	0.00117921	0.010187206	0.00026931	0.000151759	6.27244E-05	0.086920179	2E-06	6.6105E-05	0.00055233	0.001659219	1.37394E-21
2089 Jan	0.000876331	0.119702004	1E-05	1.240054727	2.162849665	0.034782048	0.000277465	4.267995834	0.001179325	0.010187807	0.000269338	0.000151746	6.27275E-05	0.086940877	2E-06	6.61119E-05	0.000552429	0.001659117	1.37357E-21
2089 Feb	0.000876471	0.119737759	1E-05	1.240343213	2.163662672	0.034805428	0.000277467	4.269133091	0.00117952	0.010188332	0.000269433	0.000151757	6.27368E-05	0.086971655	2E-06	6.61165E-05	0.000552641	0.001659102	1.37338E-21
2089 Mar	0.000876548	0.119757213	1E-05	1.240500093	2.164104939	0.034818154	0.000277469	4.269752502	0.001179626	0.010188617	0.000269484	0.000151762	6.27418E-05	0.086988412	2E-06	6.6119E-05	0.000552757	0.001659094	1.37328E-21
2089 Apr	0.000876602	0.119770981	1E-05	1.240611196	2.164417744	0.034827154	0.000277469	4.270190239	0.001179701	0.010188818	0.00026952	0.000151767	6.27454E-05	0.087000258	2E-06	6.61208E-05	0.000552839	0.001659088	1.37321E-21
2089 May	0.000920384	0.132859156	1E-05	1.342065811	2.452706099	0.043640465	0.000268157	4.652238846	0.001252358	0.010342619	0.000349687	0.000160903	7.05994E-05	0.097867332	2E-06	6.71645E-05	0.00064031	0.001678388	1.21285E-21
2089 Jun	0.00099121	0.156422138	1E-05	1.520417571	2.96211338	0.059771992	0.000240789	5.30428791	0.001384435	0.01058011	0.000497623	0.000182761	8.49136E-05	0.117016658	2E-06	6.83569E-05	0.000807832	0.001738916	8.2918E-22
2089 Jul	0.000977156	0.152154729	1E-05	1.480503082	2.853489399	0.056672428	0.000236009	5.158755302	0.001356589	0.010478063	0.000472169	0.000178481	8.22067E-05	0.112863362	2E-06	6.71713E-05	0.000770271	0.001722132	7.75629E-22
2089 Aug	0.000969708	0.148659945	1E-05	1.45042789	2.76952219	0.054041874	0.000236419	5.06064415	0.001333181	0.010390029	0.000450549	0.000171425	8.0098E-05	0.109708816	2E-06	6.6312E-05	0.000731706	0.001690383	7.31881E-22
2089 Sep	0.000968558	0.145105556	1E-05	1.430724025	2.708798885	0.05135012	0.000256042	5.011030674	0.00131303	0.010424742	0.000424406	0.000162266	7.78241E-05	0.107500926	2E-06	6.72899E-05	0.000697984	0.001654979	6.87617E-22
2089 Oct	0.00097167	0.137690052	1E-05	1.387088418	2.579832554	0.045277584	0.000303412	4.909309387	0.001267609	0.010580765	0.000365581	0.000141623	7.23358E-05	0.102697916	2E-06	7.01498E-05	0.00062529	0.001575176	5.87842E-22
2089 Nov	0.000972072	0.136729851	1E-05	1.381438375	2.563133478	0.044491291	0.000309546	4.896138191	0.001261728	0.010600967	0.000357964	0.00013895	7.16251E-05	0.102076001	2E-06	7.05202E-05	0.000615877	0.001564843	5.74923E-22
2089 Dec	0.000972081	0.136710659	1E-05	1.381325245	2.562799454	0.044475567	0.000309668	4.895875454	0.00126161	0.010601372	0.000357811	0.000138897	7.16109E-05	0.102063566	2E-06	7.05276E-05	0.000615689	0.001564636	5.74665E-22
2090 Jan	0.000972171	0.136727124	1E-05	1.381471992	2.56320715	0.04448539	0.000309708	4.896508694	0.001261696	0.01060183	0.000357816	0.000138887	7.16116E-05	0.102079079	2E-06	7.05329E-05	0.000615765	0.001564565	5.74523E-22
2090 Feb	0.00097229	0.136758208	1E-05	1.381722331	2.563912153	0.044505902	0.000309707	4.897486687	0.001261867	0.010602264	0.000357893	0.000138899	7.16191E-05	0.102105774	2E-06	7.05366E-05	0.000615955	0.001564563	5.74449E-22
2090 Mar	0.000972354	0.136775151	1E-05	1.381858706	2.564296484	0.044517089	0.000309706	4.898020267	0.001261961	0.010602501	0.000357934	0.000138905	7.16231E-05	0.10212034	2E-06	7.05387E-05	0.000616058	0.001564562	5.74409E-22
2090 Apr	0.000972391	0.136784822	1E-05	1.38193655	2.564515829	0.044523466	0.000309705	4.898324013	0.001262014	0.010602635	0.000357958	0.000138909	7.16254E-05	0.10212864	2E-06	7.05399E-05	0.000616117	0.001564561	5.74386E-22
2090 May	0.000978442	0.138848528	1E-05	1.397724986	2.609413624	0.045951638	0.000307264	4.955676079	0.001273735	0.010622202	0.000370977	0.000140892	7.28962E-05	0.103820018	2E-06	7.06373E-05	0.000631015	0.001570227	5.61883E-22
2090 Jun	0.000984116	0.15317218	1E-05	1.49081707	2.883068562	0.057192244	0.000244066	5.202522755	0.001362447	0.010573098	0.000475818	0.000178814	8.24893E-05	0.1139438	2E-06	6.82672E-05	0.000780465	0.001725148	3.22757E-22
2090 Jul	0.000951713	0.146595448	1E-05	1.431962132	2.720650911	0.05304236	0.000231958	4.957156658	0.001326194	0.010421224	0.000439873	0.000180696	7.86768E-05	0.107738957	2E-06	6.65036E-05	0.000746006	0.001744595	2.91596E-22
2090 Aug	0.000927148	0.135835916	1E-05	1.374087334	2.528589725	0.046394974	0.000257457	4.775279999	0.001273434	0.010144613	0.000377875	0.000157491	7.4472E-05	0.101101704	2E-06	6.53274E-05	0.000642726	0.001648712	2.46774E-22
2090 Sep	0.000927017	0.128732532	1E-05	1.337065101	2.411865711	0.040999826	0.000299928	4.690583706	0.001233387	0.010215806	0.000325145	0.000137354	7.00174E-05	0.096906632	2E-06	6.74279E-05	0.000572013	0.00156908	2.10631E-22
2090 Oct	0.000938891	0.122184664	1E-05	1.298028588	2.300285578	0.035061393	0.000353199	4.618834972	0.001189388	0.010457905	0.000267429	0.00011523	6.43584E-05	0.092663623	2E-06	7.11177E-05	0.000501314	0.00148159	1.70922E-22
2090 Nov	0.000941741	0.120612867	1E-05	1.288658142	2.273501158	0.033635888	0.000365987	4.601612091	0.001178826	0.01051602	0.000253575	0.000109919	6.3E-05	0.091645092	2E-06	7.20034E-05	0.000484344	0.001460588	1.6139E-22
2090 Dec	0.000941781	0.120590642	1E-05	1.288525701	2.273122549	0.033615738	0.000366167	4.601368904	0.001178677	0.010516842	0.000253379	0.000109844	6.29808E-05	0.091630697	2E-06	7.20159E-05	0.000484104	0.001460292	1.61256E-22
2091 Jan	0.000941913	0.120618083	1E-05	1.288753271	2.273765802	0.033632528	0.000366203	4.602316856	0.001178821	0.010517485	0.00025342	0.000109841	6.29846E-05	0.091654986	2E-06	7.20225E-05	0.00048425	0.00146023	1.61202E-22
2091 Feb	0.000942076	0.120662414	1E-05	1.289103746	2.274758101	0.033661813	0.00036619	4.603674889	0.001179064	0.01051808	0.00025354	0.000109862	6.29961E-05	0.09169247	2E-06	7.20273E-05	0.000484526	0.001460246	1.61175E-22
2091 Mar	0.000942166	0.120686665	1E-05	1.289295673	2.275301218	0.033677839	0.000366184	4.604418278	0.001179197	0.010518406	0.000253606	0.000109873	6.30023E-05	0.091712981	2E-06	7.20299E-05	0.000484677	0.001460254	1.6116E-22
2091 Apr	0.000942217	0.120700486	1E-05	1.289404869	2.275610447	0.033686966	0.00036618	4.604841709	0.001179272	0.010518591	0.000253643	0.000109879	6.30059E-05	0.091724657	2E-06	7.20314E-05	0.000484763	0.001460259	1.61151E-22
2091 May	0.000963079	0.128209397	1E-05	1.344781876	2.434834242	0.038863685	0.000354754	4.803098202	0.001221339	0.010585121	0.000301227	0.000118017	6.75446E-05	0.097690374	2E-06	7.22329E-05	0.000540007	0.001484965	1.50233E-22
2091 Jun	0.001021105	0.156092182	1E-05	1.539083838	3.001009464	0.058696646	0.000285834	5.449266434	0.001380158	0.010735179	0.000485249	0.000161416	8.46325E-05	0.118756175	2E-06	7.12603E-05	0.000769101	0.001639241	9.20104E-23
2091 Jul	0.001003936	0.152809381	1E-05	1.5086689	2.917792082	0.056637857	0.000278127	5.320518017	0.001361955	0.01065493	0.000467593	0.000163079	8.27071E-05	0.115562826	2E-06	7.0277E-05	0.000753017	0.001652297	8.77551E-23
2091 Aug	0.000983493	0.14543736	1E-05	1.464015722	2.77629137	0.052071959	0.000289135	5.168203354	0.001324825	0.010457963	0.000425791	0.00015018	7.96191E-05	0.110557288	2E-06	6.91334E-05	0.000686878	0.001600644	7.9199E-23
2091 Sep	0.000965241	0.137652621	1E-05	1.42376399	2.642142296	0.047288913	0.000311772	5.037779331	0.001288199	0.010316574	0.000379577	0.000135502	7.63599E-05	0.105902106	2E-06	6.89647E-05	0.000620595	0.001544756	7.02687E-23
2091 Oct	0.000967738	0.133250311	1E-05	1.394138455	2.559230566	0.04347796	0.000339075	4.964384079	0.001259134	0.01043592	0.000343214	0.000123853	7.26931E-05	0.102725171	2E-06	7.07835E-05	0.000577876	0.001500408	6.31822E-23
2091 Nov	0.000969618	0.129935443	1E-05	1.371830702	2.496798992	0.040608361	0.000359633	4.909118176	0.001237249	0.010525787	0.000315832	0.000115082	6.9932E-05	0.100332975	2E-06	7.21531E-05	0.000545709	0.001467014	5.78462E-23
2091 Dec	0.000969708	0.129777819	1E-05	1.370769978	2.493830681	0.040471915	0.000360611	4.906490326	0.001236209	0.010530059	0.00031453	0.000114665	6.98007E-05	0.100219227	2E-06	7.22182E-05	0.00054418	0.001465426	5.75925E-23
2092 Jan	0.00096985	0.12980631	1E-05	1.371003747	2.494496346	0.040488876	0.000360654	4.907478809	0.001236354	0.010530803	0.000314555	0.00011466	6.98025E-05	0.100244254	2E-06	7.22258E-05	0.000544327	0.001465353	5.75703E-23
2092 Feb	0.000970037	0.129856616	1E-05	1.37139976	2.495619297	0.040521953	0.000360641	4.909015179	0.001236628	0.010531501	0.000314684	0.000114683	6.98146E-05	0.100286625	2E-06	7.22314E-05	0.00054464	0.00146537	5.75587E-23
2092 Mar	0.000970139	0.1298839	1E-05	1.371614575	2.496228456	0.040539902	0.000360633	4.90984869	0.001236777	0.01053188	0.000314754	0.000114696	6.98212E-05	0.100309618	2E-06	7.22344E-05	0.00054481	0.001465379	5.75524E-23
2092 Apr	0.000970195	0.129899129	1E-05	1.371734262	2.496568203	0.040549908	0.000360629	4.910313606	0.00123686	0.01053209	0.000314793	0.000114703	6.98248E-05	0.10032244	2E-06	7.22361E-05	0.000544904	0.001465384	5.75489E-23
2092 May	0.000993922	0.138513237	1E-05	1.434033394	2.67703104	0.046444386	0.000346805	5.132442474	0.001284605	0.010614173	0.00036914	0.000124475	7.49251E-05	0.107056886	2E-06	7.24708E-05	0.000608918	0.001495859	5.26712E-23
2092 Jun	0.001019014	0.161378965	1E-05	1.574319243	3.101969957	0.063143164	0.000257299	5.534832478	0.00141497	0.010661445	0.000526763	0.000176907	8.86182E-05	0.12255016	2E-06	6.97988E-05	0.000826576	0.001702613	2.65007E-23
2092 Jul	0.000969174	0.151209757	1E-05	1.482102871	2.848920584	0.056651231	0.000238643	5.151048183	0.001358246	0.010440637	0.000470511	0.000180139	8.25555E-05	0.112850524	2E-06	6.71675E-05	0.000773952	0.001734508	2.29787E-23
2092 Aug	0.000963441	0.148781613	1E-05	1.467905521	2.803482771	0.055112474	0.000243613	5.105214119	0.001345848	0.010381382	0.000456343	0.000175238	8.15186E-05	0.111251347	2E-06	6.68827E-05	0.000750983	0.001714413	2.22239E-23
2092 Sep	0.000957065	0.144732803	1E-05	1.446967006	2.734688044	0.052439388	0.000259161	5.044415951	0.001325525	0.010338889	0.0004305	0.000166116	7.95839E-05	0.108844168	2E-06	6.71522E-05	0.000713812	0.001678602	2.09179E-23
2092 Oct	0.000958775	0.142098755	1E-05	1.430510163	2.687197447	0.05020998	0.000275949	5.006285191	0.001308624	0.010399174	0.000409135	0.00015853	7.75287E-05	0.107055828	2E-06	6.81827E-05	0.000686979	0.001648821	1.98319E-23
2092 Nov	0.000959243	0.141377762	1E-05	1.426005483	2.674198389	0.049599741	0.000280544	4.995848179	0.001303998	0.010415675	0.000403287	0.000156453	7.69661E-05	0.106566325	2E-06	6.84648E-05	0.000679634	0.001640669	1.95346E-23
2092 Dec	0.000959257	0.141356647	1E-05	1.425873637	2.673817635	0.049581867	0.000280679	4.995542049	0.001303862	0.010416159	0.000403115	0.000156392	7.69497E-05	0.10655199	2E-06	6.8473E-05	0.000679419	0.00164043	1.95259E-23
2093 Jan	0.000959349	0.141371876	1E-05	1.426008463	2.674195766	0.049590386	0.000280726	4.996147633	0.001303938	0.01041666	0.000403109	0.000156379	7.69491E-05	0.10656631	2E-06	6.84788E-05	0.00067948	0.001640341	1.95211E-23
2093 Feb	0.000959468	0.141402066	1E-05	1.426250696	2.674879789	0.049610056	0.000280728	4.997103691	0.001304102	0.010417112	0.000403179	0.000156388	7.69558E-05	0.106592178	2E-06	6.84828E-05	0.000679659	0.001640329	1.95186E-23
2093 Mar	0.000959533	0.141418546	1E-05	1.426382899	2.675253153	0.049620789	0.000280729	4.997624874	0.001304191	0.01041736	0.000403217	0.000156393	7.69594E-05	0.106606297	2E-06	6.84849E-05	0.000679758	0.001640323	1.95173E-23
2093 Apr	0.000959571	0.141427949	1E-05	1.42645824	2.675466299	0.049626913	0.000280729	4.997922421	0.001304242	0.010417501	0.000403239	0.000156396	7.69615E-05	0.106614351	2E-06	6.84862E-05	0.000679814	0.00164032	1.95165E-23
2093 May	0.000981296	0.148165107	1E-05	1.477324963	2.821289301	0.05414822	0.000274507	5.187325478	0.001341323	0.010498477	0.000444573	0.0001619	8.09276E-05	0.112084836	2E-06	6.89736E-05	0.000726199	0.001654126	1.80571E-23
2093 Jun	0.001020314	0.165517449	1E-05	1.597222567	3.17304039	0.066261873	0.000235253	5.591496944	0.001438547	0.01063626	0.000556886	0.000188084	9.11897E-05	0.125118583	2E-06	6.88177E-05	0.000867687	0.00174703	1.11142E-23
2093 Jul	0.00099824	0.160091475	1E-05	1.548167825	3.038547039	0.062577367	0.000228596	5.399761677	0.001406206	0.010522717	0.000525424	0.000186355	8.78458E-05	0.119973741	2E-06	6.75119E-05	0.000830989	0.001746154	1.0343E-23
2093 Aug	0.000990754	0.156854525	1E-05	1.524132729	2.968313217	0.060312297	0.000231832	5.320512772	0.001386909	0.010448649	0.000505756	0.000180235	8.61038E-05	0.117389485	2E-06	6.69582E-05	0.000798743	0.00172025	9.8979E-24
2093 Sep	0.000987655	0.152496397	1E-05	1.498388529	2.89029026	0.057049699	0.000252689	5.250166416	0.001362045	0.010474619	0.00047442	0.000169937	8.33351E-05	0.114533938	2E-06	6.78954E-05	0.000758299	0.001680712	9.26183E-24
2093 Oct	0.000988041	0.142863527	1E-05	1.437724233	2.714040518	0.049219467	0.000307001	5.09534502	0.001302425	0.010643474	0.000399424	0.000145247	7.61989E-05	0.107924901	2E-06	7.10414E-05	0.000665867	0.001585907	7.73664E-24
2093 Nov	0.000988201	0.138881564	1E-05	1.412647367	2.641183853	0.04598267	0.000329452	5.031345844	0.00127778	0.010713274	0.000368423	0.00013504	7.3249E-05	0.105192907	2E-06	7.23419E-05	0.000627658	0.001546717	7.10617E-24
2093 Dec	0.000988203	0.138840944	1E-05	1.412391424	2.640440702	0.045949649	0.000329681	5.030693054	0.001277529	0.010713986	0.000368106	0.000134936	7.32189E-05	0.105165035	2E-06	7.23552E-05	0.000627268	0.001546317	7.09974E-24
2094 Jan	0.000988322	0.138863027	1E-05	1.412584066	2.640979052	0.04596277	0.000329729	5.031524658	0.001277643	0.01071458	0.00036811	0.000134924	7.32194E-05	0.105185471	2E-06	7.23619E-05	0.00062737	0.001546225	7.09732E-24
2094 Feb	0.000988483	0.138905689	1E-05	1.412925005	2.641941071	0.045990903	0.000329723	5.032854557	0.001277877	0.010715161	0.000368214	0.000134941	7.32294E-05	0.105221882	2E-06	7.23668E-05	0.000627631	0.001546225	7.09606E-24
2094 Mar	0.000988571	0.13892892	1E-05	1.413110733	2.642465353	0.046006233	0.00032972	5.03357935	0.001278005	0.010715478	0.00036827	0.00013495	7.32349E-05	0.105241716	2E-06	7.23694E-05	0.000627773	0.001546226	7.09538E-24
2094 Apr	0.000988621	0.138942197	1E-05	1.41321671	2.642764568	0.046014979	0.000329718	5.033992767	0.001278077	0.01071566	0.000368303	0.000134955	7.3238E-05	0.105253026	2E-06	7.23709E-05	0.000627854	0.001546226	7.09499E-24
2094 May	0.001019989	0.150048673	1E-05	1.496409297	2.880627394	0.05370174	0.000313857	5.333517075	0.001340705	0.010809796	0.000438809	0.000146358	8.00477E-05	0.114192486	2E-06	7.26867E-05	0.000708504	0.001579666	6.2438E-24
2094 Jun	0.001058396	0.167645171	1E-05	1.622281909	3.244036674	0.066264667	0.000273571	5.758359432	0.001441758	0.01089816	0.000554965	0.000171888	9.10385E-05	0.127781585	2E-06	7.21697E-05	0.000849909	0.001668005	4.33798E-24

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.001043121	0.164106563	1E-05	1.589922667	3.155303478	0.063900985	0.000267817	5.630085945	0.001420819	0.010814021	0.000534954	0.000171166	8.89091E-05	0.124389552	2E-06	7.1187E-05	0.000826446	0.001669112	4.14569E-24
2094 Aug	0.001038012	0.162255973	1E-05	1.57586658	3.114388466	0.062639184	0.000268632	5.581573009	0.001409984	0.01076701	0.000524052	0.0001682	8.79365E-05	0.122880653	2E-06	7.0799E-05	0.000809031	0.001656844	4.04875E-24
2094 Sep	0.001032226	0.157018661	1E-05	1.542895198	3.016422272	0.058748528	0.000290376	5.484401703	0.00137995	0.010789764	0.000487013	0.000157343	8.45693E-05	0.119260088	2E-06	7.17249E-05	0.000762877	0.001616418	3.75216E-24
2094 Oct	0.001027647	0.150185227	1E-05	1.498122811	2.886687994	0.053408265	0.000322053	5.357055664	0.00133875	0.010866779	0.000436264	0.00014245	7.97364E-05	0.114395685	2E-06	7.33812E-05	0.000701516	0.001560963	3.34529E-24
2094 Nov	0.00102325	0.143623441	1E-05	1.455130458	2.762111425	0.048280291	0.00035247	5.234771252	0.001299188	0.010940732	0.000387532	0.00012815	7.50957E-05	0.109724656	2E-06	7.49717E-05	0.000642594	0.001507712	2.9546E-24
2094 Dec	0.001022985	0.143228084	1E-05	1.452539921	2.754605293	0.047971316	0.000354303	5.227403641	0.001296805	0.010945188	0.000384596	0.000127288	7.48161E-05	0.109443218	2E-06	7.50676E-05	0.000639044	0.001504503	2.93106E-24
2095 Jan	0.001023115	0.143252954	1E-05	1.452755928	2.755208254	0.04798634	0.000354351	5.228325367	0.001296935	0.010945809	0.000384594	0.000127277	7.4816E-05	0.109466113	2E-06	7.50745E-05	0.000639163	0.001504409	2.92986E-24
2095 Feb	0.001023302	0.143303394	1E-05	1.453158021	2.756342411	0.048019789	0.000354338	5.229885101	0.001297213	0.010946459	0.000384715	0.000127299	7.48277E-05	0.109509051	2E-06	7.50798E-05	0.000639474	0.001504419	2.92923E-24
2095 Mar	0.001023404	0.143330917	1E-05	1.453377366	2.756961823	0.048038054	0.000354331	5.230736732	0.001297364	0.010946815	0.000384782	0.000127311	7.48341E-05	0.10953249	2E-06	7.50827E-05	0.000639644	0.001504424	2.92889E-24
2095 Apr	0.001023462	0.143346593	1E-05	1.453502297	2.757314444	0.048048444	0.000354328	5.231221199	0.00129745	0.010947017	0.00038482	0.000127318	7.48378E-05	0.109545827	2E-06	7.50844E-05	0.00063974	0.001504428	2.9287E-24
2095 May	0.001052214	0.154532805	1E-05	1.53636694	2.994320154	0.055919122	0.000334434	5.522946358	0.00136122	0.011017216	0.000457281	0.000140344	8.18358E-05	0.118454635	2E-06	7.50741E-05	0.000723518	0.001545091	2.55716E-24
2095 Jun	0.001078887	0.16789639	1E-05	1.631543636	3.26862812	0.065595254	0.000300325	5.838637829	0.001438735	0.011056229	0.000547007	0.000160853	9.03678E-05	0.12872611	2E-06	7.43429E-05	0.000832532	0.001616977	1.97221E-24
2095 Jul	0.001068059	0.165015101	1E-05	1.604311705	3.19447279	0.063565679	0.000295555	5.736045361	0.001420369	0.010979141	0.00053038	0.000158786	8.8592E-05	0.125891089	2E-06	7.34303E-05	0.00080883	0.001609599	1.89827E-24
2095 Aug	0.001045322	0.157614261	1E-05	1.551576853	3.037125111	0.058781728	0.000299219	5.548655033	0.001379924	0.010779453	0.000488211	0.000148119	8.50408E-05	0.120155737	2E-06	7.1887E-05	0.000743783	0.001567391	1.72908E-24
2095 Sep	0.001027251	0.151320279	1E-05	1.517577171	2.925209761	0.055040713	0.000313174	5.429745674	0.001350986	0.010645369	0.000452221	0.00013836	8.2492E-05	0.116248667	2E-06	7.14445E-05	0.000694074	0.001532172	1.59738E-24
2095 Oct	0.001026139	0.149608508	1E-05	1.506002903	2.892204523	0.053680722	0.000321217	5.396306515	0.001340505	0.010670891	0.000439283	0.000134826	8.12231E-05	0.114998929	2E-06	7.1909E-05	0.00067923	0.001519415	1.54968E-24
2095 Nov	0.001023781	0.145979777	1E-05	1.481466889	2.822237968	0.050797712	0.000338267	5.325419903	0.001318285	0.010724994	0.000411858	0.000127333	7.85331E-05	0.112349652	2E-06	7.28938E-05	0.000647762	0.001492373	1.44855E-24
2095 Dec	0.001023448	0.145468459	1E-05	1.478009462	2.812379122	0.050391465	0.000340669	5.315431118	0.001315154	0.010732619	0.000407993	0.000126277	7.8154E-05	0.11197634	2E-06	7.30325E-05	0.000643328	0.001488562	1.4343E-24
2096 Jan	0.001023595	0.145495504	1E-05	1.478241563	2.813033342	0.050407309	0.00034073	5.316431522	0.001315293	0.010733419	0.00040798	0.000126265	7.81524E-05	0.112001032	2E-06	7.30413E-05	0.00064346	0.001488463	1.43364E-24
2096 Feb	0.001023807	0.145552412	1E-05	1.478693485	2.814311504	0.050444834	0.000340719	5.318187237	0.001315605	0.010734212	0.000408113	0.00012629	7.8165E-05	0.112049341	2E-06	7.30479E-05	0.000643813	0.001488478	1.43329E-24
2096 Mar	0.001023923	0.145583302	1E-05	1.47893846	2.815004826	0.050465189	0.000340713	5.319139957	0.001315774	0.010734642	0.000408185	0.000126304	7.81718E-05	0.112075537	2E-06	7.30514E-05	0.000644005	0.001488486	1.4331E-24
2096 Apr	0.001023987	0.145600483	1E-05	1.479074955	2.815390825	0.050476514	0.00034071	5.319669724	0.001315868	0.010734881	0.000408225	0.000126311	7.81756E-05	0.112090118	2E-06	7.30534E-05	0.000644112	0.001488491	1.433E-24
2096 May	0.001039478	0.151485786	1E-05	1.522065639	2.939381599	0.054559652	0.000330906	5.471135139	0.001349037	0.01078733	0.000445734	0.000133412	8.17243E-05	0.116726078	2E-06	7.31873E-05	0.000689042	0.001511527	1.33487E-24
2096 Jun	0.000972297	0.150946483	1E-05	1.480377913	2.845179558	0.056241624	0.000244281	5.153184414	0.001355369	0.010483922	0.000466266	0.000178225	8.20573E-05	0.112678856	2E-06	6.76877E-05	0.000769607	0.001726715	7.15535E-25
2096 Jul	0.000937598	0.144058913	1E-05	1.417982697	2.673754692	0.051898193	0.000230822	4.891065598	0.001317406	0.010329845	0.000428599	0.000181014	7.80019E-05	0.106110968	2E-06	6.58512E-05	0.000735374	0.001751322	6.41241E-25
2096 Aug	0.000933436	0.14213714	1E-05	1.4077425	2.63966465	0.050702821	0.000235639	4.859520912	0.00130793	0.010281208	0.000417443	0.000176708	7.72476E-05	0.10493499	2E-06	6.56558E-05	0.000716595	0.001733403	6.23035E-25
2096 Sep	0.000933605	0.136943206	1E-05	1.380241632	2.553304911	0.046734791	0.000266177	4.797167301	0.001278239	0.010326662	0.000378929	0.000161598	7.39924E-05	0.101829819	2E-06	6.71061E-05	0.00066342	0.001672812	5.62962E-25
2096 Oct	0.000943177	0.129654303	1E-05	1.337767243	2.42883873	0.040414814	0.000319867	4.71447897	0.001231013	0.010525816	0.000317837	0.000137564	6.82228E-05	0.097174063	2E-06	7.04827E-05	0.000584253	0.001576435	4.67408E-25
2096 Nov	0.000945252	0.128074557	1E-05	1.328561425	2.401862383	0.03904504	0.000331504	4.696557045	0.001220777	0.01056898	0.000304596	0.000132355	6.69723E-05	0.096165001	2E-06	7.12146E-05	0.000567095	0.001555547	4.46698E-25
2096 Dec	0.000945275	0.128056616	1E-05	1.328456998	2.401556015	0.039029498	0.000331636	4.696353912	0.001220661	0.01056947	0.000304446	0.000132296	6.69581E-05	0.09615355	2E-06	7.12229E-05	0.0005669	0.00155531	4.46463E-25
2097 Jan	0.000945389	0.128078461	1E-05	1.328644633	2.402081966	0.039042618	0.000331677	4.697155476	0.001220774	0.010570018	0.000304467	0.000132287	6.69603E-05	0.09617348	2E-06	7.12289E-05	0.000567004	0.001555229	4.46334E-25
2097 Feb	0.000945532	0.128116146	1E-05	1.328945518	2.402931452	0.039067451	0.000331671	4.698330402	0.001220981	0.010570531	0.000304565	0.000132301	6.69697E-05	0.096205622	2E-06	7.12332E-05	0.000567233	0.001555228	4.46267E-25
2097 Mar	0.00094561	0.128136739	1E-05	1.329109907	2.403395414	0.039081011	0.000331668	4.698972225	0.001221094	0.01057081	0.000304618	0.000132309	6.69749E-05	0.096223176	2E-06	7.12356E-05	0.000567358	0.001555228	4.46231E-25
2097 Apr	0.000945655	0.128148481	1E-05	1.329203725	2.403660297	0.039088748	0.000331667	4.699338436	0.001221158	0.01057097	0.000304648	0.000132314	6.69778E-05	0.096233197	2E-06	7.12369E-05	0.00056743	0.001555227	4.4621E-25
2097 May	0.000964961	0.13470374	1E-05	1.37850678	2.544556379	0.043591078	0.000323161	4.878891468	0.001257872	0.010629913	0.000345948	0.000138508	7.09738E-05	0.101530559	2E-06	7.14759E-05	0.000613891	0.001572329	4.17917E-25
2097 Jun	0.001005044	0.153368443	1E-05	1.510721922	2.9272995	0.056905463	0.000278625	5.323440075	0.001364625	0.010716182	0.000469416	0.000165968	8.26042E-05	0.115826257	2E-06	7.07848E-05	0.000763859	0.001667403	2.92483E-25
2097 Jul	0.00099066	0.150052264	1E-05	1.479336977	2.841861963	0.054660842	0.000271931	5.199707508	0.001344405	0.01062889	0.000450804	0.00016516	8.05898E-05	0.112552419	2E-06	6.97276E-05	0.000740633	0.001667166	2.77606E-25
2097 Aug	0.000983367	0.147222623	1E-05	1.458874226	2.781084061	0.052753899	0.000273874	5.131083012	0.001328083	0.010549886	0.000434306	0.000159912	7.91983E-05	0.11033798	2E-06	6.91109E-05	0.000712499	0.001644731	2.65774E-25
2097 Sep	0.000980056	0.145163417	1E-05	1.44794476	2.745665073	0.051382817	0.000281742	5.098751545	0.001317659	0.010532047	0.000421046	0.000155466	7.8177E-05	0.109088883	2E-06	6.92742E-05	0.000694072	0.001627582	2.5733E-25
2097 Oct	0.0009807	0.141851306	1E-05	1.427362442	2.685741425	0.048671491	0.000301212	5.047690868	0.001297095	0.010594708	0.00039502	0.000146697	7.57056E-05	0.10684327	2E-06	7.04217E-05	0.000661893	0.001593752	2.40671E-25
2097 Nov	0.000981027	0.140167058	1E-05	1.416895986	2.655269623	0.047292758	0.000311113	5.021726131	0.001286638	0.010626572	0.000381785	0.000142237	7.44488E-05	0.10570135	2E-06	7.10052E-05	0.00064553	0.001576549	2.322E-25
2097 Dec	0.000981078	0.139902323	1E-05	1.415250778	2.650479794	0.047076039	0.000312669	5.017645359	0.001284994	0.010631581	0.000379704	0.000141536	7.42513E-05	0.10552185	2E-06	7.1097E-05	0.000642958	0.001573845	2.30869E-25
2098 Jan	0.000981255	0.139933839	1E-05	1.415528417	2.651255369	0.047094528	0.000312747	5.018855572	0.001285157	0.01063248	0.000379704	0.000141516	7.42515E-05	0.105551288	2E-06	7.11072E-05	0.000643099	0.001573699	2.30755E-25
2098 Feb	0.000981489	0.139995039	1E-05	1.416019201	2.652639389	0.047134787	0.000312743	5.020775318	0.001285492	0.010633339	0.000379851	0.000141539	7.42657E-05	0.10560368	2E-06	7.11146E-05	0.00064347	0.001573693	2.30696E-25
2098 Mar	0.000981617	0.140028447	1E-05	1.416286945	2.653394938	0.047156766	0.00031274	5.021823406	0.001285675	0.010633808	0.000379931	0.000141551	7.42734E-05	0.105632268	2E-06	7.11186E-05	0.000643673	0.00157369	2.30664E-25
2098 Apr	0.000985371	0.141009375	1E-05	1.424150467	2.675577164	0.047801975	0.000312668	5.052596092	0.001291047	0.010647568	0.000382286	0.000141913	7.45012E-05	0.106471747	2E-06	7.12367E-05	0.000649626	0.001573593	2.29721E-25
2098 May	0.001040115	0.158783227	1E-05	1.559633851	3.061758041	0.059940197	0.000293722	5.551441669	0.001390562	0.010829124	0.000482897	0.00015736	8.42339E-05	0.121005848	2E-06	7.22173E-05	0.000773942	0.001614154	1.89436E-25
2098 Jun	0.001076121	0.177634776	1E-05	1.691703558	3.445189953	0.0735576	0.000244333	5.982941628	0.001499712	0.010909098	0.000614997	0.000188526	9.66359E-05	0.135296822	2E-06	7.13326E-05	0.000933126	0.001727479	1.08161E-25
2098 Jul	0.001057275	0.173375905	1E-05	1.654214025	3.34154439	0.070779763	0.000238887	5.831770897	0.001475609	0.010820384	0.000591228	0.000188309	9.41435E-05	0.131342888	2E-06	7.03413E-05	0.000907829	0.001733063	1.03134E-25
2098 Aug	0.001034967	0.165242806	1E-05	1.603975296	3.184515715	0.065658353	0.000252301	5.659103394	0.001434253	0.010635614	0.000544623	0.000174982	9.055E-05	0.125737637	2E-06	6.93793E-05	0.000837808	0.00168163	9.44732E-26
2098 Sep	0.001015816	0.152673334	1E-05	1.527066469	2.951169968	0.056750853	0.000298134	5.423565388	0.00136529	0.010609123	0.000460932	0.00015037	8.32865E-05	0.117219061	2E-06	7.07966E-05	0.000729055	0.001590057	7.94701E-26
2098 Oct	0.001011822	0.143594041	1E-05	1.465623021	2.776129007	0.049439099	0.000342138	5.25124836	0.001308764	0.01074698	0.000392546	0.000130196	7.65882E-05	0.110593095	2E-06	7.33039E-05	0.000646723	0.001514997	6.71726E-26
2098 Nov	0.001010506	0.140604764	1E-05	1.445393443	2.718498468	0.047031775	0.000356626	5.194515228	0.001290153	0.010792369	0.00037003	0.000123554	7.43829E-05	0.108411565	2E-06	7.41295E-05	0.000619616	0.001490285	6.31238E-26
2098 Dec	0.001010487	0.140559912	1E-05	1.445089936	2.717633963	0.046995662	0.000356843	5.193663597	0.001289874	0.010793049	0.000369692	0.000123454	7.43498E-05	0.108378828	2E-06	7.41419E-05	0.00061921	0.001489914	6.3063E-26
2099 Jan	0.001010598	0.140581414	1E-05	1.445271134	2.718145609	0.047008429	0.000356882	5.194437981	0.001289984	0.010793615	0.000369696	0.000123447	7.43499E-05	0.108398147	2E-06	7.41479E-05	0.000619314	0.001489842	6.30417E-26
2099 Feb	0.001010754	0.140623376	1E-05	1.44560349	2.719085455	0.04703613	0.000356871	5.1957273 48	0.001290214	0.010794177	0.000369798	0.000123465	7.43596E-05	0.108433671	2E-06	7.41524E-05	0.000619574	0.001489852	6.30306E-26
2099 Mar	0.00101084	0.140646398	1E-05	1.445785522	2.719600916	0.047051318	0.000356865	5.196434975	0.00129034	0.010794485	0.000369855	0.000123475	7.4365E-05	0.108453155	2E-06	7.41549E-05	0.000619716	0.001489858	6.30246E-26
2099 Apr	0.001017159	0.142347425	1E-05	1.459247351	2.757695913	0.048173822	0.000356426	5.248694897	0.001299647	0.010817266	0.00037402	0.000124232	7.47604E-05	0.109892599	2E-06	7.43386E-05	0.000630236	0.001490285	6.25767E-26
2099 May	0.001149044	0.184226304	1E-05	1.776631951	3.664444447	0.076548919	0.000312873	6.42508316	0.001531815	0.01125499	0.000564166	0.000158789	9.28084E-05	0.143986166	2E-06	7.67013E-05	0.000917754	0.001576032	4.21314E-26
2099 Jun	0.001135407	0.186485469	1E-05	1.781453609	3.686076403	0.07872735	0.000281851	6.391965866	0.001546985	0.011170728	0.000603877	0.000174599	9.62402E-05	0.144646704	2E-06	7.4937E-05	0.000958248	0.001646559	3.27777E-26
2099 Jul	0.001114352	0.181469709	1E-05	1.736155391	3.561657429	0.075361237	0.000274981	6.213392258	0.001517385	0.011059954	0.000578342	0.000173328	9.35233E-05	0.139892161	2E-06	7.36645E-05	0.00092498	0.00164728	3.1105E-26
2099 Aug	0.001095709	0.175436556	1E-05	1.698595881	3.444469452	0.071656734	0.000283179	6.078520298	0.001487542	0.010919851	0.000547319	0.000165027	9.11931E-05	0.135700092	2E-06	7.28843E-05	0.000876828	0.001617237	2.93484E-26
2099 Sep	0.001071126	0.165072814	1E-05	1.633879781	3.246739864	0.064785898	0.00030924	5.859864235	0.001433557	0.010808479	0.000488585	0.000148968	8.63441E-05	0.128520191	2E-06	7.29663E-05	0.000794059	0.001560517	2.60987E-26
2099 Oct	0.001062783	0.157763377	1E-05	1.582058668	3.100008011	0.059100058	0.000337343	5.700469971	0.001388968	0.010879598	0.000440291	0.000135704	8.15778E-05	0.122954242	2E-06	7.44096E-05	0.000732655	0.00151367	2.34146E-26
2099 Nov	0.00105866	0.154151186	1E-05	1.556449533	3.027495384	0.05629022	0.000351231	5.62169981	0.001366933	0.010914743	0.000416424	0.00012915	7.92225E-05	0.120203644	2E-06	7.51229E-05	0.00070231	0.001490519	2.20882E-26
2099 Dec	0.00105861	0.154107913	1E-05	1.556142688	3.026626825	0.056256559	0.000351398	5.620756149	0.001366669	0.010915164	0.000416139	0.000129071	7.91942E-05	0.12017069	2E-06	7.51314E-05	0.000701946	0.001490241	2.20723E-26
2100 Jan	0.001058702	0.154124141	1E-05	1.556280613	3.027017593	0.056265794	0.000351437	5.621361256	0.00136675	0.010915669	0.000416126	0.000129062	7.91927E-05	0.120185412	2E-06	7.51369E-05	0.00070202	0.001490171	2.20651E-26
2100 Feb	0.001058844	0.154162422	1E-05	1.556582928	3.027873993	0.056291003	0.000351428	5.622535706	0.001366959	0.010916192	0.000416218	0.000129079	7.92013E-05	0.120217755	2E-06	7.51411E-05	0.000702257	0.001490182	2.20613E-26
2100 Mar	0.001058922	0.154183298	1E-05	1.556747913	3.028341293	0.056304757	0.000351422	5.623176098	0.001367073	0.010916478	0.000416268	0.000129088	7.9206E-05	0.120235398	2E-06	7.51434E-05	0.000702386	0.001490187	2.20593E-26
2100 Apr	0.001058967	0.154195219	1E-05	1.55684185	3.028607607	0.056312598	0.000351419	5.623541832	0.001367138	0.010916639	0.000416296	0.000129094	7.92087E-05	0.120245457	2E-06	7.51447E-05	0.00070246	0.00149019	2.20581E-26
2100 May	0.001092194	0.167639449	1E-05	1.652436614	3.30624485	0.065662406	0.000324657	5.955116749	0.001442417	0.011018112	0.000510142	0.00014664	8.80405E-05	0.130594239	2E-06	7.51199E-05	0.000806374	0.001548404	1.82225E-26
2100 Jun	0.001086105	0.177480489	1E-05	1.703326225	3.467743635	0.073403612	0.000262822	6.051944256	0.001500907	0.010944184	0.000598648	0.00018031	9.56423E-05	0.136348978	2E-06	7.23858E-05	0.000919813	0.001689667	1.08622E-26
2100 Jul	0.001048365	0.169485956	1E-05	1.632189512	3.271609068	0.068277173	0.000250396	5.758870125	0.001456383	0.010775901	0.000555789	0.000181777	9.10857E-05	0.128850073	2E-06	7.04482E-05	0.00087664	0.001709679	9.92204E-27
2100 Aug	0.001021879	0.159839362	1E-05	1.570479035	3.081144094	0.062125452	0.000264456	5.546649933	0.001406174	0.010551997	0.000501641	0.000166	8.68401E-05	0.122012831	2E-06	6.91627E-05	0.000792305	0.001648075	8.87793E-27
2100 Sep	0.001004904	0.152907923	1E-05	1.532183051	2.957211971	0.05779684	0.000282806	5.419196606	0.001372664	0.010434604	0.000461562	0.000153955	8.38885E-05	0.117647879	2E-06	6.89847E-05	0.000734846	0.00160327	8.14549E-27
2100 Oct	0.001004416	0.150978029	1E-05	1.519006968	2.919955492	0.056214575	0.000292624	5.3828578	0.001360455	0.010469508	0.000447063	0.000149566	8.24507E-05	0.116231024	2E-06	6.95749E-05	0.000717226	0.001586946	7.87863E-27
2100 Nov	0.001004308	0.150549442	1E-05	1.516081095	2.91168189	0.055863202	0.000294804	5.374788284	0.001357744	0.010477259	0.000443843	0.000148592	8.21314E-05	0.115916379	2E-06	6.9706E-05	0.000713313	0.001583321	7.81937E-27
2100 Dec	0.001004301	0.15052253	1E-05	1.515897274	2.911162376	0.055841126	0.000294941	5.374281406	0.001357574	0.010477747	0.000443641	0.00014853	8.21113E-05	0.115896612	2E-06	6.97142E-05	0.000713067	0.001583094	7.81565E-27
2101 Jan	0.001004386	0.150536075	1E-05	1.516014814	2.911495924	0.055848401	0.000294987	5.374816418	0.001357639	0.010478253	0.000443624	0.000148518	8.21093E-05	0.115909159	2E-06	6.97199E-05	0.000713121	0.001583014	7.81364E-27
2101 Feb	0.001004505	0.150566518	1E-05	1.516256928	2.912181854	0.055868197	0.000294987	5.375768661	0.001357804	0.010478721	0.000443692	0.000148529	8.21157E-05	0.115935057	2E-06	6.97239E-05	0.000713305	0.00158301	7.8126E-27
2101 Mar	0.00100457	0.150583163	1E-05	1.516389251	2.912556887	0.055879015	0.000294987	5.376289368	0.001357894	0.010478977	0.000443729	0.000148535	8.21192E-05	0.115949206	2E-06	6.97261E-05	0.000713406	0.001583008	7.81204E-27
2101 Apr	0.001004737	0.150625989	1E-05	1.516729593	2.91352129	0.055906847	0.000294987	5.37762785	0.001358126	0.010479635	0.000443824	0.00014855	8.21281E-05	0.11598561	2E-06	6.97318E-05	0.000713665	0.001583001	7.81058E-27
2101 May	0.001045858	0.164137587	1E-05	1.615371227	3.199683189	0.064953431	0.0002789	5.737995625	0.001431941	0.010650558	0.000528714	0.00016205	9.00625E-05	0.126648948	2E-06	7.0623E-05	0.000811424	0.001622912	6.51603E-27

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.00106173	0.174057186	1E-05	1.676992655	3.387369633	0.07192041	0.000247262	5.925991535	0.001486948	0.010731127	0.000597982	0.000182685	9.60175E-05	0.133461669	2E-06	7.01783E-05	0.000903029	0.001703795	4.53725E-27
2101 Jul	0.001048135	0.171142995	1E-05	1.650954247	3.315809965	0.070034616	0.000243025	5.818966389	0.001470618	0.010674514	0.000581811	0.000183248	9.42837E-05	0.130719617	2E-06	6.95184E-05	0.000887476	0.001711369	4.38887E-27
2101 Aug	0.001042415	0.169007808	1E-05	1.636710882	3.272626877	0.068639658	0.000245979	5.770121574	0.001459148	0.010628155	0.000569389	0.000179788	9.32615E-05	0.129155189	2E-06	6.92429E-05	0.000868678	0.001697841	4.28716E-27
2101 Sep	0.001025422	0.159942776	1E-05	1.582025886	3.10441041	0.062450707	0.000274931	5.596676826	0.001411017	0.010562737	0.000511485	0.000163038	8.841E-05	0.123065181	2E-06	6.97819E-05	0.000791578	0.001635696	3.83776E-27
2101 Oct	0.001023472	0.156313226	1E-05	1.557145953	3.03371501	0.059536245	0.00029186	5.525856972	0.001388394	0.010614325	0.000484378	0.000155165	8.57455E-05	0.1203866	2E-06	7.07296E-05	0.000758852	0.001606486	3.62652E-27
2101 Nov	0.001020799	0.151337445	1E-05	1.52303791	2.936798811	0.0555408	0.000315068	5.428769112	0.001357381	0.010685047	0.000447217	0.000144372	8.20927E-05	0.116714522	2E-06	7.20288E-05	0.000713987	0.001566442	3.33694E-27
2101 Dec	0.001020326	0.150457606	1E-05	1.517006755	2.919661522	0.054834303	0.000319171	5.411601543	0.001351896	0.010697553	0.000440646	0.000142463	8.14468E-05	0.116065204	2E-06	7.22585E-05	0.000706054	0.001559361	3.28574E-27
2102 Jan	0.001020474	0.150482178	1E-05	1.517219305	2.920262098	0.054847978	0.000319242	5.412552357	0.001352017	0.010698367	0.000440617	0.000142444	8.14435E-05	0.116087861	2E-06	7.22676E-05	0.000706156	0.001559229	3.28422E-27
2102 Feb	0.001020685	0.150537223	1E-05	1.517656446	2.921499729	0.05488399	0.000319236	5.414264202	0.001352317	0.010699159	0.000440741	0.000142465	8.14552E-05	0.116134606	2E-06	7.22743E-05	0.00070649	0.001559227	3.28343E-27
2102 Mar	0.001020799	0.150567129	1E-05	1.51789403	2.92217207	0.054903556	0.000319233	5.415194035	0.001352479	0.01069959	0.000440808	0.000142476	8.14615E-05	0.116159998	2E-06	7.22779E-05	0.000706672	0.001559226	3.283E-27
2102 Apr	0.001020865	0.150584221	1E-05	1.518029809	2.9225564	0.054914739	0.000319231	5.415726185	0.001352572	0.010699835	0.000440846	0.000142483	8.14651E-05	0.116174527	2E-06	7.228E-05	0.000706775	0.001559225	3.28275E-27
2102 May	0.001020944	0.150610343	1E-05	1.518223405	2.923113823	0.054932389	0.0003192	5.416436195	0.001352716	0.010700119	0.000440989	0.000142507	8.14786E-05	0.116195396	2E-06	7.22813E-05	0.00070696	0.001559292	3.28184E-27
2102 Jun	0.00086923	0.126395643	1E-05	1.286498785	2.293861866	0.040710483	0.000239361	4.370760918	0.001226478	0.010086937	0.000320503	0.00017451	6.77061E-05	0.091889724	2E-06	6.42182E-05	0.000634036	0.001756114	2.08143E-27
2102 Jul	0.000806723	0.115621127	1E-05	1.18245697	2.01211071	0.034103315	0.000206223	3.916416407	0.001167364	0.009810832	0.00026538	0.000184759	6.14302E-05	0.081010364	2E-06	6.06065E-05	0.000590711	0.001822426	1.5527E-27
2102 Aug	0.000806005	0.1134886	1E-05	1.175225616	1.981987119	0.032759316	0.000216527	3.907859325	0.001157085	0.009745621	0.000252822	0.000176229	6.08587E-05	0.080085881	2E-06	6.04962E-05	0.00056216	0.001783691	1.46682E-27
2102 Sep	0.000809873	0.111457005	1E-05	1.171329737	1.961113691	0.03130319	0.000235311	3.919494867	0.001147204	0.009750895	0.000237973	0.000166401	6.0037E-05	0.079493515	2E-06	6.12772E-05	0.000534705	0.001740997	1.37455E-27
2102 Oct	0.000831278	0.109382562	1E-05	1.166418552	1.944344997	0.028712286	0.000276568	3.965899467	0.001129711	0.009958744	0.000211952	0.000149004	5.7656E-05	0.078888252	2E-06	6.43339E-05	0.000494575	0.001665421	1.21121E-27
2102 Nov	0.000832735	0.109241329	1E-05	1.166084051	1.94320333	0.028535889	0.000279376	3.969058514	0.00112852	0.009972895	0.000210181	0.00014782	5.74939E-05	0.078847043	2E-06	6.4542E-05	0.000491843	0.001660276	1.20009E-27
2102 Dec	0.000832809	0.109234162	1E-05	1.166067243	1.943145275	0.02852693	0.000279519	3.969218969	0.00112846	0.009973614	0.000210091	0.00014776	5.74856E-05	0.07884495	2E-06	6.45526E-05	0.000491705	0.001660014	1.19952E-27
2103 Jan	0.00083294	0.109258503	1E-05	1.166276455	1.9437325	0.028541343	0.000279569	3.970121861	0.001128585	0.009974255	0.000210134	0.00014774	5.749E-05	0.078867197	2E-06	6.45597E-05	0.000491816	0.001659915	1.19921E-27
2103 Feb	0.000833082	0.109294727	1E-05	1.166567206	1.944553494	0.02856495	0.000279571	3.971269846	0.001128782	0.009974794	0.000210234	0.00014758	5.74997E-05	0.078898259	2E-06	6.45644E-05	0.000492032	0.0016599	1.19905E-27
2103 Mar	0.00083316	0.109314479	1E-05	1.166725874	1.945001364	0.028577829	0.000279572	3.971896172	0.001128889	0.009975088	0.000210288	0.00014764	5.7505E-05	0.078915194	2E-06	6.4567E-05	0.000492149	0.001659892	1.19897E-27
2103 Apr	0.000833205	0.109325744	1E-05	1.166816235	1.945256472	0.028585169	0.000279573	3.972252846	0.00112895	0.009975255	0.000210319	0.00014768	5.7508E-05	0.07892485	2E-06	6.45685E-05	0.000492216	0.001659887	1.19892E-27
2103 May	0.000888818	0.125627086	1E-05	1.292196512	2.302809238	0.039458066	0.000268624	4.446960926	0.001218486	0.010178706	0.000309802	0.000158739	6.71794E-05	0.092377752	2E-06	6.59605E-05	0.000599994	0.001681912	1.03897E-27
2103 Jun	0.000972348	0.154584184	1E-05	1.505197287	2.916898012	0.059211139	0.000228184	5.216183186	0.001379199	0.010471283	0.000492274	0.000188864	8.44798E-05	0.115349181	2E-06	6.7122E-05	0.000810799	0.001771659	5.99754E-28
2103 Jul	0.000944401	0.147609085	1E-05	1.44141221	2.742430925	0.054432038	0.000218994	4.968694687	0.001336979	0.01031863	0.000451937	0.000186145	8.01761E-05	0.108672194	2E-06	6.53455E-05	0.000761701	0.001767504	5.37527E-28
2103 Aug	0.000929165	0.138951972	1E-05	1.368909597	2.538555861	0.047829024	0.000223979	4.741491318	0.001278561	0.010107653	0.000397491	0.000166196	7.49774E-05	0.101047941	2E-06	6.34134E-05	0.000661209	0.001676729	4.5761E-28
2103 Sep	0.000931033	0.133963063	1E-05	1.344188333	2.460026741	0.043960396	0.000257848	4.690312386	0.001250417	0.01018999	0.000359173	0.000151425	7.17157E-05	0.098225318	2E-06	6.53044E-05	0.000611819	0.001618965	4.11376E-28
2103 Oct	0.000940553	0.127511144	1E-05	1.309608221	2.356696129	0.038396861	0.000310262	4.628911972	0.001209988	0.010401487	0.000304253	0.000130207	6.65953E-05	0.094378792	2E-06	6.88071E-05	0.000544848	0.001535987	3.4496E-28
2103 Nov	0.000943045	0.125822201	1E-05	1.300556064	2.329647064	0.036940482	0.000323983	4.612838745	0.001199405	0.010456852	0.000289876	0.000124653	6.52549E-05	0.093371868	2E-06	6.9724E-05	0.000527316	0.001514265	3.27575E-28
2103 Dec	0.000943077	0.125800893	1E-05	1.300441861	2.329305887	0.036922116	0.000324156	4.612636089	0.001199271	0.010457549	0.000289695	0.000124582	6.5238E-05	0.093359172	2E-06	6.97356E-05	0.000527095	0.001513991	3.27355E-28
2104 Jan	0.000943204	0.125825927	1E-05	1.300659657	2.329913855	0.036937401	0.000324204	4.613554478	0.001199405	0.010458193	0.000289723	0.000124575	6.5241E-05	0.093382247	2E-06	6.97427E-05	0.000527224	0.001513915	3.2725E-28
2104 Feb	0.000943366	0.125868872	1E-05	1.301004052	2.330885172	0.036965791	0.000324199	4.614895821	0.001199641	0.010458792	0.000289836	0.000124593	6.5252E-05	0.093419008	2E-06	6.97479E-05	0.000527489	0.001513921	3.27195E-28
2104 Mar	0.000943453	0.125892058	1E-05	1.301190138	2.331409931	0.036981121	0.000324196	4.615619183	0.001199769	0.010459115	0.000289897	0.000124602	6.52579E-05	0.093438856	2E-06	6.97506E-05	0.000527633	0.001513924	3.27165E-28
2104 Apr	0.000943502	0.125904992	1E-05	1.30129385	2.331702232	0.03698967	0.000324195	4.616023064	0.00119984	0.010459295	0.000289931	0.000124608	6.52612E-05	0.093449928	2E-06	6.97522E-05	0.000527713	0.001513926	3.27148E-28
2104 May	0.00100385	0.14669539	1E-05	1.459830642	2.783228159	0.051379196	0.000299254	5.189763069	0.001318004	0.010664211	0.000421059	0.000145356	7.80062E-05	0.110441513	2E-06	7.07856E-05	0.000679763	0.001575163	2.62743E-28
2104 Jun	0.001037669	0.164301783	1E-05	1.586104035	3.147453547	0.064185247	0.000256368	5.602840424	0.001421546	0.010755916	0.000538767	0.000174629	8.91201E-05	0.124050461	2E-06	7.02697E-05	0.000831114	0.001683273	1.71877E-28
2104 Jul	0.001015102	0.159008205	1E-05	1.538123846	3.015672684	0.060647488	0.000248515	5.41302824	0.001390348	0.010634572	0.000508688	0.000173435	8.59329E-05	0.119015537	2E-06	6.8869E-05	0.000796123	0.001684605	1.6E-28
2104 Aug	0.0010014	0.153858557	1E-05	1.505157471	2.913764954	0.057348169	0.000255906	5.301268101	0.001363269	0.010508247	0.000478802	0.000164454	8.35877E-05	0.115364611	2E-06	6.8115E-05	0.000749412	0.00164856	1.49607E-28
2104 Sep	0.000986691	0.145957291	1E-05	1.462627411	2.776448011	0.052170403	0.000283921	5.169863701	0.001323865	0.010432103	0.000428683	0.000148786	7.97172E-05	0.110510938	2E-06	6.86141E-05	0.000681654	0.001589601	1.3338E-28
2104 Oct	0.000987106	0.139441893	1E-05	1.4209162	2.656510115	0.04681956	0.000321362	5.062036991	0.001283253	0.010566017	0.000377309	0.000132636	7.47367E-05	0.105982646	2E-06	7.09197E-05	0.000620879	0.001528832	1.16654E-28
2104 Nov	0.000987219	0.137660146	1E-05	1.40950954	2.623711109	0.045356289	0.000331601	5.032550335	0.001272147	0.010602637	0.00036326	0.00012822	7.33747E-05	0.104744315	2E-06	7.15502E-05	0.000604259	0.001512214	1.1208E-28
2104 Dec	0.000987221	0.137638733	1E-05	1.409372568	2.623317003	0.045338709	0.000331724	5.032196045	0.001272013	0.010603077	0.000363091	0.000128167	7.33583E-05	0.104729444	2E-06	7.15577E-05	0.000604059	0.001512015	1.12025E-28
2105 Jan	0.000987315	0.137656406	1E-05	1.40952456	2.623744488	0.045349166	0.000331762	5.032848835	0.001272105	0.010603575	0.000363095	0.000128159	7.33586E-05	0.104745604	2E-06	7.15632E-05	0.000604146	0.001511951	1.11995E-28
2105 Feb	0.000987442	0.137690157	1E-05	1.409793496	2.624504566	0.045371406	0.000331757	5.033895969	0.00127229	0.010604048	0.000363178	0.000128173	7.33665E-05	0.104774326	2E-06	7.15672E-05	0.000604354	0.001511956	1.11979E-28
2105 Mar	0.000987511	0.137708575	1E-05	1.409940124	2.624918938	0.045383532	0.000331754	5.03446722	0.001272391	0.010604306	0.000363223	0.000128181	7.33708E-05	0.104790002	2E-06	7.15694E-05	0.000604468	0.001511959	1.11971E-28
2105 Apr	0.000987551	0.13771905	1E-05	1.41002357	2.625154734	0.045390431	0.000331753	5.034791946	0.001272448	0.010604452	0.000363248	0.000128185	7.33732E-05	0.104798913	2E-06	7.15706E-05	0.000604532	0.001511961	1.11966E-28
2105 May	0.00103039	0.153025717	1E-05	1.523702025	2.951567411	0.055947982	0.000309844	5.442065716	0.001358553	0.010750634	0.000459985	0.000144801	8.26146E-05	0.117032371	2E-06	7.21306E-05	0.000718041	0.001563045	9.36933E-29
2105 Jun	0.001058967	0.166440696	1E-05	1.618333936	3.226612329	0.065487728	0.000278781	5.758117199	0.00143537	0.010837362	0.000548071	0.000165531	9.08171E-05	0.127273232	2E-06	7.18727E-05	0.000829046	0.001637298	7.08967E-29
2105 Jul	0.001043234	0.162038043	1E-05	1.576699972	3.113584518	0.062334787	0.000272598	5.602969646	0.001406981	0.010730117	0.000522121	0.000162065	8.8026E-05	0.122943163	2E-06	7.0596E-05	0.000792405	0.001624758	6.67585E-29
2105 Aug	0.001011787	0.151157796	1E-05	1.502245665	2.888893127	0.055301126	0.000282858	5.342766285	0.001348384	0.010459934	0.000459231	0.000145323	8.28304E-05	0.114793517	2E-06	6.87292E-05	0.000696628	0.00155882	5.78082E-29
2105 Sep	0.000989996	0.139608592	1E-05	1.436891198	2.683213472	0.047580216	0.000323517	5.136192799	0.00128953	0.010388684	0.000384532	0.000124152	7.67474E-05	0.10741815	2E-06	6.97332E-05	0.000601687	0.001482154	4.80424E-29
2105 Oct	0.000989997	0.134076253	1E-05	1.399665117	2.578505516	0.042961076	0.000354932	5.035975456	0.00125441	0.010523487	0.000340193	0.000111518	7.22899E-05	0.103413038	2E-06	7.18276E-05	0.000552599	0.001436405	4.22149E-29
2105 Nov	0.000989997	0.131965116	1E-05	1.385459781	2.538548946	0.041198418	0.00036692	4.997732639	0.001241008	0.010574927	0.000323273	0.000106697	7.05889E-05	0.101884693	2E-06	7.26269E-05	0.000533867	0.001418947	3.99911E-29
2105 Dec	0.000989997	0.131939262	1E-05	1.385285735	2.538059711	0.041176829	0.000367066	4.997263908	0.001240844	0.010575557	0.000323066	0.000106638	7.05681E-05	0.101865977	2E-06	7.26367E-05	0.000533637	0.001418734	3.99639E-29
2106 Jan	0.000990112	0.131962866	1E-05	1.385480642	2.538613319	0.041191071	0.000367101	4.998077869	0.001240967	0.010576177	0.000323084	0.000106636	7.05694E-05	0.101886794	2E-06	7.2643E-05	0.000533766	0.001418686	3.99507E-29
2106 Feb	0.000990267	0.132005259	1E-05	1.385814786	2.539560318	0.041219067	0.000367089	4.999369144	0.001241199	0.010576763	0.000323192	0.000106657	7.05795E-05	0.101922534	2E-06	7.26477E-05	0.000534034	0.001418709	3.99439E-29
2106 Mar	0.000990352	0.132028371	1E-05	1.385996938	2.540076733	0.041234337	0.000367082	5.000072479	0.001241326	0.010577083	0.000323251	0.000106669	7.05851E-05	0.101942025	2E-06	7.26503E-05	0.00053418	0.001418721	3.99401E-29
2106 Apr	0.0009904	0.132041544	1E-05	1.38610065	2.540370941	0.041243028	0.000367078	5.000473499	0.001241398	0.010577263	0.000323284	0.000106675	7.05882E-05	0.101953119	2E-06	7.26517E-05	0.000534263	0.001418728	3.9938E-29
2106 May	0.001006009	0.138019815	1E-05	1.429405093	2.665679693	0.045380265	0.000356891	5.152538776	0.001274974	0.010632746	0.0003613	0.000114085	7.41579E-05	0.106629595	2E-06	7.27932E-05	0.000580285	0.001443134	3.75384E-29
2106 Jun	0.000994985	0.150996789	1E-05	1.496386886	2.879078388	0.05570383	0.000274762	5.269872665	0.001353683	0.010561122	0.000459636	0.000161681	8.22024E-05	0.114197932	2E-06	6.94221E-05	0.000738935	0.001646983	2.21247E-29
2106 Jul	0.000955086	0.142942637	1E-05	1.420551062	2.672725201	0.050492555	0.00025658	4.955734253	0.001307322	0.01036734	0.000415429	0.000164192	7.73362E-05	0.106264092	2E-06	6.70112E-05	0.000694879	0.001670558	1.93783E-29
2106 Aug	0.00093545	0.134377912	1E-05	1.360177398	2.492095232	0.044652648	0.000265726	4.759983063	0.001257644	0.010137488	0.000364683	0.000146551	7.31217E-05	0.099710077	2E-06	6.53364E-05	0.000606434	0.001594218	1.65893E-29
2106 Sep	0.000922014	0.125597581	1E-05	1.320312619	2.353788614	0.039046314	0.000304237	4.64866209	0.001216406	0.010053286	0.000308951	0.000126296	6.92309E-05	0.094983883	2E-06	6.62546E-05	0.000528003	0.001515915	1.39341E-29
2106 Oct	0.000926474	0.123524733	1E-05	1.30782783	2.318771362	0.037108038	0.000322491	4.626445293	0.00120221	0.010148193	0.000289929	0.000119323	6.73133E-05	0.093633555	2E-06	6.76156E-05	0.000506289	0.001488958	1.302E-29
2106 Nov	0.000926569	0.123480506	1E-05	1.307561517	2.318024158	0.037066687	0.000322881	4.625971794	0.001201907	0.010150217	0.000289524	0.000119174	6.72724E-05	0.093604743	2E-06	6.76446E-05	0.000505825	0.001488383	1.30005E-29
2106 Dec	0.000926591	0.123470165	1E-05	1.30749929	2.317849398	0.037057012	0.000322972	4.625860691	0.001201836	0.010150691	0.000289429	0.000119139	6.72629E-05	0.093598008	2E-06	6.76514E-05	0.000505717	0.001488248	1.29959E-29
2107 Jan	0.00092667	0.123485498	1E-05	1.307627439	2.318213463	0.037066072	0.000323001	4.626405239	0.001201915	0.010151134	0.000289445	0.000119135	6.72642E-05	0.093611695	2E-06	6.76561E-05	0.000505797	0.001488207	1.29934E-29
2107 Feb	0.000926767	0.123511054	1E-05	1.307829857	2.318787336	0.037082795	0.000322998	4.627194881	0.001202054	0.010151518	0.000289512	0.000119146	6.72705E-05	0.093633346	2E-06	6.76593E-05	0.000505956	0.001488213	1.29921E-29
2107 Mar	0.00092682	0.123524979	1E-05	1.307940245	2.31910038	0.037091918	0.000322996	4.627624989	0.00120213	0.010151727	0.000289548	0.000119152	6.72739E-05	0.093645155	2E-06	6.7661E-05	0.000506043	0.001488217	1.29914E-29
2107 Apr	0.00092685	0.123532914	1E-05	1.308003068	2.319278479	0.037097111	0.000322995	4.627870083	0.001202173	0.010151845	0.000289569	0.000119156	6.72758E-05	0.093651876	2E-06	6.7662E-05	0.000506092	0.001488219	1.2991E-29
2107 May	0.000956282	0.133365601	1E-05	1.380724192	2.529265642	0.04374323	0.000311569	4.892179489	0.001256618	0.01027463	0.000350253	0.000129249	7.29874E-05	0.101493038	2E-06	6.83305E-05	0.000578391	0.001518883	1.18081E-29
2107 Jun	0.001005723	0.153981566	1E-05	1.525126338	2.95261097	0.058003314	0.00027149	5.38497591	0.001372099	0.010493529	0.000481334	0.000159511	8.49212E-05	0.117167771	2E-06	6.88422E-05	0.000747405	0.001627236	8.26138E-30
2107 Jul	0.000986716	0.148728967	1E-05	1.473680496	2.814481735	0.05417886	0.000262903	5.192596912	0.00133743	0.010370074	0.000450102	0.000155837	8.1456E-05	0.11184378	2E-06	6.72847E-05	0.000704042	0.001614343	7.5785E-30
2107 Aug	0.000979329	0.145801768	1E-05	1.450814605	2.748635292	0.052121587	0.000264309	5.115420341	0.001319635	0.01029805	0.000432511	0.000150716	7.98492E-05	0.109403715	2E-06	6.66744E-05	0.000675128	0.001592594	7.22593E-30
2107 Sep	0.000977585	0.142374814	1E-05	1.430817008	2.68837142	0.04951046	0.0002825	5.061784744	0.001300037	0.010339038	0.000407114	0.000142701	7.75585E-05	0.10718444	2E-06	6.76448E-05	0.000644416	0.001562697	6.78288E-30
2107 Oct	0.000978545	0.138633668	1E-05	1.407552838	2.62121439	0.046416178	0.000305701	5.00364399	0.001276833	0.010428823	0.000377098	0.000133212	7.46538E-05	0.104648992	2E-06	6.91417E-05	0.000609814	0.001527301	6.25831E-30
2107 Nov	0.000978936	0.137112454	1E-05	1.398093343	2.593907356	0.045158003	0.000315135	4.980003357	0.001267398	0.01046533	0.000364893	0.000129353	7.34728E-05	0.103618048	2E-06	6.97503E-05	0.000595745	0.001512908	6.04501E-30
2107 Dec	0.000978941	0.137091532	1E-05	1.397963047	2.593531609	0.045140687	0.000315264	4.979678154	0.001267268	0.010465833	0.000364725	0.0001293	7.34565E-05	0.103603862	2E-06	6.97587E-05	0.000595551	0.00151271	6.04208E-30
2108 Jan	0.000979037	0.137109354	1E-05	1.398118377	2.593967438	0.045151219	0.000315307	4.980345249	0.001267361	0.010466368	0.000364729	0.000129293	7.34568E-05	0.10362035	2E-06	6.97647E-05	0.00059564	0.001512646	6.04046E-30
2108 Feb	0.000979166	0.137143314	1E-05	1.398389935	2.59473443	0.045173571	0.000315304	4.981403828	0.001267547	0.010466862	0.000364812	0.000129307	7.34647E-05	0.103649348	2E-06	6.97689E-05	0.00059585	0.001512651	6.03961E-30
2108 Mar	0.000979236	0.137161776	1E-05	1.398537517	2.595151424	0.045185722	0.000315302	4.98197937	0.001267648	0.010467131	0.000364857	0.000129314	7.3469E-05	0.103665106	2E-06	6.97712E-05	0.000595965	0.001512654	6.03915E-30
2108 Apr	0.000979547	0.137243733	1E-05	1.399192572	2.597002506	0.045239653	0.000315295	4.984532833	0.001268098	0.010468322	0.000365056	0.000129348	7.34881E-05	0.103735074	2E-06	6.97814E-05	0.000596472	0.001512667	6.03712E-30

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.000984511	0.138717756	1E-05	1.41064465	2.629569769	0.046229888	0.000314382	5.027651787	0.001276292	0.010487325	0.000371244	0.000130402	7.40798E-05	0.104961514	2E-06	6.9918E-05	0.000606463	0.001515035	5.9739E-30
2108 Jun	0.000922796	0.135088921	1E-05	1.356114507	2.491940737	0.045388646	0.000254054	4.69831562	0.001264522	0.01024721	0.000367397	0.000162861	7.24632E-05	0.099402487	2E-06	6.58728E-05	0.000650041	0.00167877	4.02699E-30
2108 Jul	0.00089919	0.130997702	1E-05	1.317640781	2.387071609	0.042909451	0.000242569	4.529607773	0.001242599	0.010146852	0.000346162	0.000166715	7.00924E-05	0.09536393	2E-06	6.45956E-05	0.000634233	0.001704194	3.70295E-30
2108 Aug	0.000896115	0.129398882	1E-05	1.30941999	2.359158993	0.041912422	0.000246789	4.505786896	0.001234653	0.010101772	0.000336988	0.000162658	6.95075E-05	0.094413146	2E-06	6.4402E-05	0.000617392	0.001686729	3.59138E-30
2108 Sep	0.000896361	0.12726824	1E-05	1.300286055	2.327579021	0.040370449	0.000260473	4.488948345	0.001223462	0.010110756	0.000321745	0.000155854	6.83695E-05	0.09332981	2E-06	6.49931E-05	0.000594881	0.001658986	3.4201E-30
2108 Oct	0.000910597	0.122210518	1E-05	1.274397731	2.250412703	0.035677265	0.00030943	4.461743355	0.001189489	0.010321961	0.000275719	0.000135201	6.40566E-05	0.090451941	2E-06	6.83388E-05	0.000534392	0.001574764	2.90014E-30
2108 Nov	0.000913303	0.121249117	1E-05	1.269476771	2.235744476	0.034785151	0.000318736	4.456571579	0.001183032	0.010362108	0.00026697	0.000131275	6.32367E-05	0.089904897	2E-06	6.89748E-05	0.000522894	0.001558755	2.80131E-30
2108 Dec	0.00091334	0.121235862	1E-05	1.269408822	2.235542059	0.034772854	0.000318864	4.45650053	0.001182943	0.010362661	0.00026685	0.00013122	6.32254E-05	0.089897349	2E-06	6.89835E-05	0.000522735	0.001558534	2.79994E-30
2109 Jan	0.000913454	0.121257924	1E-05	1.269598365	2.236073256	0.034786142	0.000318906	4.457306862	0.001183058	0.010363223	0.000266879	0.000131212	6.32284E-05	0.089917488	2E-06	6.89897E-05	0.000522843	0.001558458	2.79919E-30
2109 Feb	0.000913591	0.121293873	1E-05	1.269886017	2.236885309	0.034809798	0.000318902	4.458431721	0.001183255	0.010363729	0.000266975	0.000131226	6.32377E-05	0.089948215	2E-06	6.8994E-05	0.000523062	0.001558457	2.7988E-30
2109 Mar	0.000913666	0.121313445	1E-05	1.270042658	2.237327337	0.034822669	0.000318901	4.45904398	0.001183362	0.010364003	0.000267027	0.000131233	6.32428E-05	0.089964934	2E-06	6.89964E-05	0.000523182	0.001558456	2.79859E-30
2109 Apr	0.000913739	0.121332504	1E-05	1.270195127	2.237757683	0.034835208	0.000318899	4.459640026	0.001183466	0.010364272	0.000267078	0.000131241	6.32477E-05	0.089981213	2E-06	6.89986E-05	0.000523298	0.001558455	2.79839E-30
2109 May	0.000959461	0.136296213	1E-05	1.383814216	2.562068462	0.045053165	0.000302475	4.876896858	0.0012672	0.010518775	0.000360421	0.000144622	7.2292E-05	0.102176778	2E-06	6.9818E-05	0.000628733	0.001594501	2.41923E-30
2109 Jun	0.001014898	0.156916723	1E-05	1.536298752	2.999855995	0.059383776	0.000269793	5.417980194	0.001383784	0.010694398	0.000492331	0.000168183	8.49059E-05	0.118588433	2E-06	7.02964E-05	0.000783529	0.00166858	1.7516E-30
2109 Jul	0.000993607	0.150727764	1E-05	1.477050662	2.839365244	0.054891076	0.000260646	5.200088024	0.001343028	0.010535425	0.00045585	0.000162452	8.09741E-05	0.112439856	2E-06	6.83921E-05	0.000729117	0.001645974	1.58726E-30
2109 Aug	0.000979379	0.144876793	1E-05	1.424411893	2.694076777	0.050493259	0.000257967	5.023200989	0.001303396	0.010378591	0.000420187	0.000151904	7.73874E-05	0.10694816	2E-06	6.67346E-05	0.000666174	0.001598481	1.43159E-30
2109 Sep	0.000975196	0.139609382	1E-05	1.396353245	2.605699778	0.046689294	0.000285276	4.94777298	0.001275207	0.010412283	0.000382819	0.000139649	7.42427E-05	0.10376668	2E-06	6.80229E-05	0.000619575	0.001552632	1.29858E-30
2109 Oct	0.000977909	0.131251261	1E-05	1.347542882	2.461716652	0.039874189	0.000339743	4.830898762	0.001224774	0.010611612	0.000316148	0.000117723	6.79676E-05	0.098385103	2E-06	7.15006E-05	0.000542136	0.001470601	1.06061E-30
2109 Nov	0.000978169	0.130449891	1E-05	1.342862964	2.447911739	0.039220762	0.000344966	4.819692612	0.001219939	0.010630724	0.000309755	0.00011562	6.73659E-05	0.097869121	2E-06	7.1834E-05	0.000534712	0.001462736	1.03779E-30
2109 Dec	0.000978174	0.130433857	1E-05	1.342769384	2.447635651	0.039207689	0.00034507	4.819468498	0.001219842	0.010631106	0.000309627	0.000115578	6.73539E-05	0.097858801	2E-06	7.18407E-05	0.000534563	0.001462579	1.03734E-30
2110 Jan	0.000978261	0.13045156	1E-05	1.342922807	2.448064327	0.039218631	0.000345101	4.820109844	0.001219937	0.010631549	0.000309644	0.000115575	6.73556E-05	0.097875074	2E-06	7.18456E-05	0.000534658	0.001462533	1.03709E-30
2110 Feb	0.000978377	0.130482823	1E-05	1.343173027	2.448769808	0.039239395	0.000345095	4.821077824	0.00122011	0.010631971	0.000309725	0.000115589	6.73635E-05	0.097901762	2E-06	7.18491E-05	0.000534854	0.001462544	1.03696E-30
2110 Mar	0.00097844	0.130499899	1E-05	1.34330976	2.449155331	0.039250746	0.000345091	4.821607113	0.001220205	0.010632201	0.000309769	0.000115597	6.73677E-05	0.097916357	2E-06	7.1851E-05	0.000534961	0.00146255	1.03689E-30
2110 Apr	0.000978476	0.130509645	1E-05	1.343387604	2.449375153	0.03925721	0.000345089	4.821908474	0.001220259	0.010632333	0.000309794	0.000115601	6.73702E-05	0.097924672	2E-06	7.18521E-05	0.000535022	0.001462554	1.03684E-30
2110 May	0.000990384	0.134937614	1E-05	1.376848102	2.544769526	0.042362142	0.000338622	4.940658569	0.001245677	0.010670391	0.000338116	0.000120615	7.01151E-05	0.101512477	2E-06	7.19904E-05	0.000568559	0.001478436	9.91402E-31
2110 Jun	0.001014806	0.155792937	1E-05	1.520376325	2.96175456	0.058148891	0.000268443	5.368887901	0.001372022	0.010695051	0.0004839	0.000165473	8.3692E-05	0.117030278	2E-06	7.00691E-05	0.000767538	0.001655269	5.84838E-31
2110 Jul	0.000984288	0.149181396	1E-05	1.459624529	2.79517889	0.053824537	0.000255848	5.122936249	0.001333654	0.010531804	0.000447264	0.00016552	7.9773E-05	0.110658765	2E-06	6.81362E-05	0.000726899	0.001664364	5.28513E-31
2110 Aug	0.000942019	0.132425904	1E-05	1.343384385	2.445327997	0.042661726	0.000272662	4.735760212	0.001239341	0.010083102	0.000349379	0.000133952	7.17293E-05	0.097988546	2E-06	6.49133E-05	0.0005625	0.001530981	3.94158E-31
2110 Sep	0.00093798	0.123624094	1E-05	1.30041182	2.306277752	0.036277242	0.000325115	4.630068779	0.001193174	0.010175125	0.000285411	0.000111972	6.6455E-05	0.093033686	2E-06	6.76448E-05	0.000484264	0.001448814	3.18129E-31
2110 Oct	0.000948303	0.117745236	1E-05	1.266593814	2.209777117	0.030963343	0.000376193	4.566551685	0.001154839	0.010438044	0.000232542	9.37201E-05	6.12051E-05	0.089335859	2E-06	7.14858E-05	0.000427257	0.001380584	2.54997E-31
2110 Nov	0.000950231	0.116647772	1E-05	1.260280728	2.191761971	0.029971341	0.000385728	4.554694176	0.001147683	0.010487126	0.000222672	9.03129E-05	6.0225E-05	0.088645548	2E-06	7.22028E-05	0.000416615	0.001367847	2.43211E-31
2110 Dec	0.000950259	0.116631709	1E-05	1.260188341	2.191498518	0.029956818	0.000385868	4.55452013	0.001147578	0.010487844	0.000222528	9.0263E-05	6.02107E-05	0.088635437	2E-06	7.22133E-05	0.000416459	0.001367661	2.43039E-31
2111 Jan	0.000950383	0.116659559	1E-05	1.260417819	2.192147732	0.029974258	0.000385895	4.555453777	0.001147727	0.010488476	0.000222577	9.02663E-05	6.02152E-05	0.08865992	2E-06	7.22197E-05	0.000416622	0.001367631	2.42961E-31
2111 Feb	0.00095054	0.116703078	1E-05	1.260761499	2.193120718	0.030003181	0.00038588	4.556775093	0.001147967	0.010489056	0.000222699	9.02893E-05	6.02268E-05	0.088696666	2E-06	7.22243E-05	0.0004169	0.001367661	2.4292E-31
2111 Mar	0.000950626	0.116726905	1E-05	1.260949731	2.193653584	0.030019023	0.000385872	4.557498932	0.001148098	0.010489374	0.000222765	9.0302E-05	6.02331E-05	0.088716783	2E-06	7.22268E-05	0.000417053	0.001367678	2.42899E-31
2111 Apr	0.000950675	0.116740488	1E-05	1.2610569	2.19395709	0.030028045	0.000385868	4.557910919	0.001148173	0.010489555	0.000222803	9.03092E-05	6.02367E-05	0.088728249	2E-06	7.22282E-05	0.000417139	0.001367687	2.42886E-31
2111 May	0.000977623	0.127070725	1E-05	1.337162971	2.412795782	0.037233457	0.000368917	4.825465679	0.001206848	0.01058053	0.000288788	0.000102881	6.65151E-05	0.096921913	2E-06	7.2478E-05	0.000496606	0.00140884	2.21027E-31
2111 Jun	0.001034885	0.156101152	1E-05	1.541230559	3.00604248	0.058091041	0.000297286	5.494803429	0.001374794	0.010752344	0.000481033	0.00015092	8.43936E-05	0.119001128	2E-06	7.16745E-05	0.000744004	0.001585433	1.37499E-31
2111 Jul	0.001017216	0.152656615	1E-05	1.508922815	2.917913198	0.055900611	0.00028901	5.359395981	0.001355299	0.010665947	0.000462419	0.000152352	8.23527E-05	0.115616582	2E-06	7.06058E-05	0.000726024	0.001597308	1.3072E-31
2111 Aug	0.000982662	0.140702978	1E-05	1.425110698	2.666344643	0.048124231	0.000297159	5.067926407	0.001289626	0.010340034	0.000393908	0.000133196	7.66772E-05	0.10648191	2E-06	6.81609E-05	0.000616665	0.001519323	1.08626E-31
2111 Sep	0.000963883	0.133153126	1E-05	1.38770175	2.539509773	0.043596555	0.000319936	4.943907738	0.001255541	0.010208691	0.000349429	0.000119874	7.36108E-05	0.102108106	2E-06	6.81191E-05	0.000555848	0.001470563	9.58425E-32
2111 Oct	0.000967101	0.128328711	1E-05	1.355947971	2.450852394	0.039395206	0.000352289	4.865797997	0.001224054	0.010367804	0.000308714	0.000107568	6.94693E-05	0.098693937	2E-06	7.04456E-05	0.000511631	0.001425518	8.40329E-32
2111 Nov	0.00096914	0.125271618	1E-05	1.335826516	2.394672632	0.036732934	0.00037279	4.816302299	0.001204101	0.01046863	0.000282914	9.97697E-05	6.6845E-05	0.096530482	2E-06	7.19198E-05	0.000483612	0.001396975	7.65495E-32
2111 Dec	0.000969199	0.125183597	1E-05	1.33524704	2.393054962	0.036656272	0.00037338	4.814877033	0.001203527	0.010471534	0.000282171	9.95452E-05	6.67694E-05	0.096468173	2E-06	7.19622E-05	0.000482805	0.001396153	7.6334E-32
2112 Jan	0.000969338	0.125213057	1E-05	1.335488319	2.393741131	0.036674231	0.000373418	4.815873623	0.00120368	0.010472279	0.000282207	9.95456E-05	6.67723E-05	0.096493959	2E-06	7.19698E-05	0.000482972	0.001396108	7.63053E-32
2112 Feb	0.00096952	0.125262961	1E-05	1.335880876	2.394854784	0.036707196	0.000373402	4.817388535	0.001203954	0.010472971	0.000282339	9.95711E-05	6.67847E-05	0.096535973	2E-06	7.19752E-05	0.000483289	0.001396138	7.62904E-32
2112 Mar	0.000969619	0.125290021	1E-05	1.336093783	2.395458698	0.036725074	0.000373394	4.818210125	0.001204102	0.010473344	0.000282411	9.9585E-05	6.67914E-05	0.09655875	2E-06	7.19782E-05	0.00048346	0.001396155	7.62823E-32
2112 Apr	0.000969674	0.125305116	1E-05	1.336212516	2.395795584	0.036735043	0.000373389	4.818667889	0.001204185	0.010473554	0.000282451	9.95927E-05	6.67952E-05	0.09657146	2E-06	7.19799E-05	0.000483556	0.001396164	7.62778E-32
2112 May	0.001006328	0.139188901	1E-05	1.436921477	2.687244415	0.046323281	0.0003504	5.173164845	0.00128208	0.010607768	0.000370494	0.000116639	7.5057E-05	0.107446358	2E-06	7.23751E-05	0.000590291	0.001452214	6.63071E-32
2112 Jun	0.001033816	0.16274932	1E-05	1.586785913	3.136384487	0.063621074	0.000265176	5.609441757	0.00141873	0.010692284	0.000531956	0.000170101	8.92665E-05	0.123891309	2E-06	7.02503E-05	0.000817391	0.001665014	3.5036E-32
2112 Jul	0.000985334	0.152877986	1E-05	1.49701488	2.890218496	0.057315547	0.000246743	5.235761166	0.001363571	0.010476732	0.000477382	0.000173301	8.33733E-05	0.114452608	2E-06	6.7671E-05	0.00076628	0.001696186	3.05733E-32
2112 Aug	0.000976162	0.149290413	1E-05	1.476990819	2.82490778	0.055113424	0.000254357	5.169456959	0.001346105	0.010389625	0.000456753	0.000166557	8.19145E-05	0.112171769	2E-06	6.729E-05	0.000734167	0.001669381	2.91571E-32
2112 Sep	0.000967413	0.14436692	1E-05	1.451147676	2.740420341	0.051899444	0.000272192	5.091487885	0.001321651	0.010335433	0.000425647	0.000156202	7.95721E-05	0.109206758	2E-06	6.75639E-05	0.000690554	0.001629504	2.7097E-32
2112 Oct	0.000968659	0.141587242	1E-05	1.433424115	2.689623833	0.049559478	0.000289317	5.04835844	0.001303899	0.010399705	0.000403205	0.000148685	7.73881E-05	0.10728582	2E-06	6.86366E-05	0.000663316	0.001600558	2.56015E-32
2112 Nov	0.0009689	0.14105089	1E-05	1.43000412	2.679822206	0.049107973	0.000292622	5.040036678	0.001300474	0.010412105	0.000398874	0.000147234	7.69667E-05	0.106915168	2E-06	6.88435E-05	0.00065806	0.001594972	2.5313E-32
2112 Dec	0.000968909	0.14103128	1E-05	1.429879189	2.679464102	0.049091481	0.000292743	5.039732456	0.001300349	0.010412558	0.000398716	0.000147181	7.69513E-05	0.106901631	2E-06	6.88511E-05	0.000657868	0.001594768	2.53024E-32
2113 Jan	0.000968993	0.141045541	1E-05	1.430004001	2.679815292	0.049099524	0.000292784	5.040286541	0.00130042	0.010413026	0.000398711	0.000147171	7.69508E-05	0.106914893	2E-06	6.88564E-05	0.000657929	0.001594695	2.52966E-32
2113 Feb	0.000969103	0.141073883	1E-05	1.430230379	2.680455446	0.049118005	0.000292784	5.041176796	0.001300574	0.010413451	0.000398777	0.000147181	7.6957E-05	0.106939085	2E-06	6.88601E-05	0.0006581	0.00159469	2.52936E-32
2113 Mar	0.000969164	0.14108932	1E-05	1.430353761	2.680804014	0.049128074	0.000292784	5.041661739	0.001300658	0.010413683	0.000398813	0.000147186	7.69605E-05	0.106952272	2E-06	6.88621E-05	0.000658193	0.001594687	2.5292E-32
2113 Apr	0.000969198	0.141098112	1E-05	1.430424094	2.681002855	0.049133811	0.000292784	5.041938305	0.001300706	0.010413815	0.000398834	0.000147189	7.69624E-05	0.106959775	2E-06	6.88632E-05	0.000658246	0.001594685	2.52911E-32
2113 May	0.000998597	0.150562331	1E-05	1.501204252	2.884524107	0.055513728	0.000282812	5.302424908	0.001352977	0.010527536	0.000457154	0.000155857	8.2514E-05	0.114580363	2E-06	6.95059E-05	0.000725429	0.00161879	2.26438E-32
2113 Jun	0.001039031	0.167561591	1E-05	1.620278001	3.232927561	0.06731268	0.000248248	5.709144115	0.001448187	0.010684879	0.000566038	0.000180343	9.24956E-05	0.127502471	2E-06	6.96821E-05	0.000862762	0.001704913	1.51655E-32
2113 Jul	0.001019445	0.161862254	1E-05	1.567288756	3.088792562	0.063213378	0.000242236	5.512946129	0.001411653	0.010560513	0.000531897	0.000175626	8.88422E-05	0.12198171	2E-06	6.82293E-05	0.000815769	0.001688218	1.40461E-32
2113 Aug	0.001007673	0.157208651	1E-05	1.532103062	2.986586809	0.059981644	0.000245772	5.393891811	0.001384063	0.010454175	0.000503842	0.000167678	8.63175E-05	0.118206605	2E-06	6.73962E-05	0.000771247	0.001655261	1.31939E-32
2113 Sep	0.000998097	0.150281012	1E-05	1.492193222	2.863003731	0.055113062	0.000273967	5.275255203	0.001346969	0.010447879	0.000456871	0.000153415	8.23447E-05	0.113735922	2E-06	6.83847E-05	0.000711205	0.001602115	1.19196E-32
2113 Oct	0.000996595	0.139838532	1E-05	1.42499125	2.669482946	0.046649937	0.000331212	5.096159935	0.001282592	0.010643092	0.000375628	0.000128661	7.4488E-05	0.106437474	2E-06	7.18386E-05	0.000615799	0.001509879	9.70801E-33
2113 Nov	0.000996139	0.13666825	1E-05	1.404589176	2.610731125	0.044080578	0.000348592	5.041787624	0.001263047	0.010702357	0.000350963	0.000121146	7.21027E-05	0.104221694	2E-06	7.28872E-05	0.000586834	0.001481877	9.03658E-33
2113 Dec	0.000996134	0.13663663	1E-05	1.404385686	2.610145092	0.044054952	0.000348765	5.041245461	0.001262852	0.010702948	0.000350716	0.000121071	7.20789E-05	0.104199603	2E-06	7.28977E-05	0.000586545	0.001481598	9.02989E-33
2114 Jan	0.000996243	0.136657938	1E-05	1.404567838	2.610657215	0.044067796	0.000348805	5.04201746	0.001262964	0.010703507	0.000350725	0.000121064	7.20797E-05	0.104218967	2E-06	7.29037E-05	0.000586653	0.001481532	9.02701E-33
2114 Feb	0.000996392	0.136698067	1E-05	1.404886961	2.611558914	0.044094332	0.000348796	5.043255329	0.001263184	0.010704051	0.000350825	0.000121082	7.20892E-05	0.104253061	2E-06	7.29082E-05	0.000586902	0.001481543	9.02552E-33
2114 Mar	0.000996473	0.136719927	1E-05	1.405060887	2.612050295	0.044108793	0.000348791	5.043930054	0.001263304	0.010704347	0.000350879	0.000121092	7.20945E-05	0.10427165	2E-06	7.29106E-05	0.000587038	0.00148155	9.02471E-33
2114 Apr	0.00099652	0.136732414	1E-05	1.405160189	2.612330914	0.044117052	0.000348788	5.044314861	0.001263373	0.010704516	0.00035091	0.000121097	7.20974E-05	0.104282252	2E-06	7.2912E-05	0.000587116	0.001481553	9.02425E-33
2114 May	0.001034047	0.150761276	1E-05	1.508984447	2.910279512	0.053880971	0.000326397	5.412298203	0.001342812	0.010822293	0.000440471	0.000137216	8.06677E-05	0.115454257	2E-06	7.32214E-05	0.000692643	0.001532383	7.68855E-33
2114 Jun	0.001062527	0.165709347	1E-05	1.613489747	3.21404314	0.064668372	0.000287311	5.753190041	0.001429316	0.010890734	0.00054027	0.000162158	8.99711E-05	0.126766935	2E-06	7.25621E-05	0.000819516	0.001623556	5.62172E-33
2114 Jul	0.001047054	0.161984146	1E-05	1.578667164	3.119095087	0.062123917	0.000280902	5.617342472	0.001406548	0.010798787	0.00051903	0.000160868	8.76869E-05	0.123130873	2E-06	7.14649E-05	0.000792908	0.001621616	5.34833E-33
2114 Aug	0.001039927	0.159548178	1E-05	1.561430335	3.067632198	0.060533416	0.000282598	5.556931496	0.001393151	0.01073606	0.000504969	0.00015716	8.65011E-05	0.121255375	2E-06	7.09974E-05	0.00077117	0.00160683	5.18547E-33
2114 Sep	0.001022562	0.150347978	1E-05	1.507084727	2.899309158	0.054296695	0.000313119	5.384346485	0.001345026	0.010676116	0.000445278	0.00014037	8.15251E-05	0.115177125	2E-06	7.16621E-05	0.000694339	0.001545401	4.55072E-33
2114 Oct	0.001018564	0.143430576	1E-05	1.460793138	2.766811132	0.048797362	0.000346189	5.252457619	0.00130267	0.010777257	0.000392947	0.000125593	7.64274E-05	0.110171251	2E-06	7.3545E-05	0.000633285	0.001491337	3.99207E-33
2114 Nov	0.001015509	0.138144001	1E-05	1.425414801	2.665549994	0.044594523	0.000371462	5.151661873	0.001270299	0.010854554	0.000352953	0.0001143	7.25315E-05	0.106345527	2E-06	7.4984E-05	0.000586624	0.001450018	3.56512E-33
2114 Dec	0.001015384	0.137927145	1E-05	1.423963547	2.661396265	0.044422124	0.000372499	5.147527218	0.001268971	0.010857726	0.000351313	0.000113837	7.23717E-05	0.106188595	2E-06	7.50431E-05	0.00058471	0.001448323	3.5476E-33
2115 Jan	0.001015511	0.137952819	1E-05	1.424179912	2.662005424	0.044437777	0.000372538	5.148434639	0.001269106	0.01085835	0.000351324	0.000113832	7.23725E-05	0.106211625	2E-06	7.50497E-05	0.000584844	0.001448256	3.54622E-33
2115 Feb	0.001015689	0.138001785	1E-05	1.424567342	2.663100958	0.044470243	0.000372522	5.149930954	0.001269375	0.010858986	0.000351446	0.000113855	7.23842E-05	0.106253035	2E-06	7.50547E-05	0.00058515	0.001448277	3.5455E-33
2115 Mar	0.001015787	0.138028532	1E-05	1.424779058	2.663699865	0.04448799	0.000372514	5.150749683	0.001269522	0.010859333	0.000351513	0.000113868	7.23905E-05	0.106275678	2E-06	7.50575E-05	0.000585318	0.001448288	3.54511E-33

Appendix D.2-7: SPW

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.001015843	0.138043761	1E-05	1.424899697	2.664040804	0.044498093	0.000372509	5.151215553	0.001269606	0.01085953	0.000351551	0.000113875	7.23942E-05	0.106288567	2E-06	7.50591E-05	0.000585413	0.001448294	3.54489E-33
2115 May	0.001051459	0.152257025	1E-05	1.528563261	2.962278366	0.054471169	0.000345899	5.513013363	0.00135027	0.010956962	0.000443461	0.000131533	8.11535E-05	0.117461167	2E-06	7.50505E-05	0.000694085	0.00150557	3.00586E-33
2115 Jun	0.001077975	0.164601624	1E-05	1.61620605	3.215915442	0.063280515	0.000316817	5.807529449	0.001421009	0.011018019	0.00052502	0.000149802	8.8835E-05	0.126934022	2E-06	7.46442E-05	0.000793802	0.001569203	2.44816E-33
2115 Jul	0.001064331	0.160677612	1E-05	1.577783823	3.112241507	0.060414985	0.000309771	5.666416168	0.00139471	0.010907985	0.000502037	0.000146056	8.63358E-05	0.122958273	2E-06	7.33004E-05	0.000758201	0.001553728	2.31467E-33
2115 Aug	0.001025778	0.148645431	1E-05	1.493932247	2.859828472	0.052795693	0.000315744	5.3643713	0.001330685	0.010577302	0.000434337	0.000129639	8.07503E-05	0.113794528	2E-06	7.07955E-05	0.000655663	0.001490285	1.96574E-33
2115 Sep	0.001004307	0.141431108	1E-05	1.455951691	2.733390808	0.048585303	0.000331898	5.229567528	0.001298402	0.01042222	0.000393463	0.000118935	7.79162E-05	0.109401114	2E-06	7.031E-05	0.000600426	0.001452671	1.77384E-33
2115 Oct	0.001003659	0.13928555	1E-05	1.44120717	2.692073345	0.046817262	0.000343234	5.187970638	0.001284903	0.010470975	0.000376524	0.00011446	7.6201E-05	0.107817821	2E-06	7.1065E-05	0.000582177	0.001436944	1.6936E-33
2115 Nov	0.001002706	0.136122644	1E-05	1.419471502	2.631164551	0.044210892	0.000359945	5.126650333	0.001265005	0.010542845	0.000351553	0.000107862	7.36726E-05	0.105483815	2E-06	7.21779E-05	0.000555275	0.00141376	1.57531E-33
2115 Dec	0.001002638	0.135897636	1E-05	1.417925119	2.626831293	0.04402547	0.000361134	5.12228775	0.001263589	0.010547958	0.000349777	0.000107393	7.34927E-05	0.105317764	2E-06	7.22571E-05	0.000553361	0.001412111	1.56689E-33
2116 Jan	0.001002783	0.135926962	1E-05	1.418167233	2.627521276	0.044042982	0.000361182	5.12330389	0.001263741	0.010548785	0.000349789	0.00010739	7.34932E-05	0.105343647	2E-06	7.22656E-05	0.000553522	0.001412052	1.56622E-33
2116 Feb	0.001002986	0.135982186	1E-05	1.418602109	2.628755093	0.044079404	0.000361167	5.124984264	0.001264043	0.010549566	0.000349926	0.000107418	7.3506E-05	0.105390184	2E-06	7.22719E-05	0.000553872	0.001412083	1.56586E-33
2116 Mar	0.001003096	0.136012137	1E-05	1.418837905	2.629424095	0.044099152	0.000361159	5.1258955	0.001264207	0.01054999	0.000350001	0.000107433	7.35129E-05	0.105415419	2E-06	7.22753E-05	0.000554062	0.0014121	1.56567E-33
2116 Apr	0.001003157	0.136028811	1E-05	1.418969154	2.629796505	0.044110145	0.000361154	5.126402855	0.001264298	0.010550225	0.000350042	0.000107441	7.35168E-05	0.105429471	2E-06	7.22772E-05	0.000554168	0.001412109	1.56556E-33
2116 May	0.001031982	0.147175089	1E-05	1.499241829	2.862743855	0.051811405	0.000342054	5.407048225	0.001326841	0.010661132	0.000420769	0.000121746	8.01095E-05	0.114106715	2E-06	7.25955E-05	0.000641237	0.001460296	1.38283E-33
2116 Jun	0.001057791	0.16772075	1E-05	1.630355597	3.256025076	0.06679558	0.000270694	5.792768955	0.001445539	0.01076054	0.000560423	0.000167691	9.23535E-05	0.128494233	2E-06	7.10498E-05	0.000838709	0.001643312	7.95931E-34
2116 Jul	0.001028687	0.162049949	1E-05	1.57924509	3.115584612	0.063248493	0.000259866	5.57598114	0.001414736	0.010640944	0.000529383	0.00017062	8.90008E-05	0.123108461	2E-06	6.96198E-05	0.000812554	0.001667201	7.41863E-34
2116 Aug	0.001019909	0.158907294	1E-05	1.560848713	3.056774378	0.061320141	0.000265541	5.512610912	0.001399355	0.010566799	0.000511376	0.000165433	8.76717E-05	0.12103191	2E-06	6.92629E-05	0.000785872	0.001647326	7.15114E-34
2116 Sep	0.001008291	0.149306446	1E-05	1.501333117	2.878412724	0.054292753	0.00030441	5.335967064	0.001345145	0.010590421	0.000444402	0.000145691	8.16815E-05	0.114471763	2E-06	7.08015E-05	0.00070154	0.001573709	6.18041E-34
2116 Oct	0.001004989	0.139320016	1E-05	1.434283257	2.687300205	0.046204735	0.000354623	5.150712967	0.001282824	0.01075466	0.000367589	0.000122996	7.41552E-05	0.107236192	2E-06	7.37264E-05	0.000610437	0.001489076	5.06445E-34
2116 Nov	0.001004534	0.13794595	1E-05	1.42505753	2.661004543	0.045091875	0.000361532	5.12522316	0.001274249	0.010777257	0.00035702	0.000119873	7.31197E-05	0.106240623	2E-06	7.41288E-05	0.000597902	0.001477431	4.9109E-34
2116 Dec	0.001004527	0.137923867	1E-05	1.424909234	2.660581589	0.045073979	0.000361643	5.124813557	0.001274111	0.010777622	0.00035685	0.000119823	7.3103E-05	0.106224619	2E-06	7.41353E-05	0.000597701	0.001477244	4.90843E-34
2117 Jan	0.001004619	0.137942016	1E-05	1.425061822	2.661012411	0.045084849	0.000361674	5.125461102	0.001274204	0.010778086	0.000356856	0.000119817	7.31034E-05	0.106240876	2E-06	7.41403E-05	0.000597791	0.001477188	4.90707E-34
2117 Feb	0.001004747	0.137976646	1E-05	1.425335884	2.661787748	0.045107737	0.000361665	5.126523972	0.001274394	0.010778547	0.000356942	0.000119833	7.31115E-05	0.106270187	2E-06	7.4144E-05	0.000598006	0.001477198	4.90636E-34
2117 Mar	0.001004817	0.137995571	1E-05	1.425485492	2.66221118	0.045120232	0.000361659	5.127103806	0.001274498	0.010778799	0.000356988	0.000119842	7.3116E-05	0.106286183	2E-06	7.4146E-05	0.000598124	0.001477204	4.90598E-34
2117 Apr	0.001004857	0.138006344	1E-05	1.425570726	2.662452698	0.045127351	0.000361656	5.127434731	0.001274557	0.010778943	0.000357015	0.000119847	7.31185E-05	0.106295303	2E-06	7.41471E-05	0.000598191	0.001477207	4.90576E-34
2117 May	0.001030043	0.147610322	1E-05	1.495520115	2.864056587	0.051798884	0.000344798	5.374249935	0.001328532	0.01085303	0.000418532	0.00013116	7.89604E-05	0.113841005	2E-06	7.4235E-05	0.000670279	0.001512923	4.40193E-34
2117 Jun	0.001058812	0.16272527	1E-05	1.599271417	3.167258263	0.06264203	0.000303329	5.712491035	0.00141492	0.010913139	0.000519494	0.00015626	8.82961E-05	0.125108644	2E-06	7.33874E-05	0.000796856	0.001603635	3.28406E-34
2117 Jul	0.00104457	0.158975199	1E-05	1.563012123	3.069186926	0.059975158	0.000296449	5.575592041	0.001390655	0.0108133	0.000497785	0.000153764	8.59323E-05	0.121345855	2E-06	7.21669E-05	0.000766064	0.001594834	3.11268E-34
2117 Aug	0.001031267	0.15456073	1E-05	1.531872511	2.975953341	0.057121038	0.000299054	5.465659618	0.001366577	0.010694497	0.000472578	0.000147183	8.38268E-05	0.117953837	2E-06	7.12663E-05	0.000726894	0.001568615	2.93533E-34
2117 Sep	0.001025366	0.151205704	1E-05	1.511778116	2.914284706	0.0548063	0.000310712	5.402501583	0.001348731	0.010680647	0.000450427	0.000140992	8.19409E-05	0.115715057	2E-06	7.15848E-05	0.000698833	0.001546046	2.79243E-34
2117 Oct	0.001022048	0.145838007	1E-05	1.475955367	2.811606407	0.050555147	0.000336214	5.299991131	0.001316009	0.010757528	0.000409945	0.000129639	7.80055E-05	0.1118384	2E-06	7.30312E-05	0.000651746	0.001504662	2.53042E-34
2117 Nov	0.001021128	0.144349903	1E-05	1.466023922	2.783140659	0.049376585	0.000343284	5.271571159	0.001306938	0.010778842	0.000398722	0.000126491	7.69145E-05	0.110763662	2E-06	7.34322E-05	0.000638691	0.001493189	2.45777E-34
2117 Dec	0.00102107	0.144256413	1E-05	1.465399981	2.781352043	0.049302533	0.000343729	5.269785881	0.001306368	0.010780182	0.000398017	0.000126294	7.6846E-05	0.110696137	2E-06	7.34574E-05	0.000637871	0.001492468	2.45321E-34
2118 Jan	0.001021194	0.144279629	1E-05	1.465600371	2.781914949	0.049316283	0.000343779	5.270646572	0.001306488	0.010780838	0.000398009	0.000126284	7.6845E-05	0.110717423	2E-06	7.34646E-05	0.000637984	0.001492383	2.45225E-34
2118 Feb	0.001021373	0.144327417	1E-05	1.465980291	2.782989025	0.049347844	0.000343769	5.272121906	0.00130675	0.01078149	0.000398123	0.000126305	7.68558E-05	0.110758029	2E-06	7.347E-05	0.00063828	0.001492394	2.45175E-34
2118 Mar	0.00102147	0.144353494	1E-05	1.466187477	2.78357482	0.049365059	0.000343764	5.272927284	0.001306893	0.010781847	0.000398184	0.000126316	7.68617E-05	0.110780172	2E-06	7.3473E-05	0.000638442	0.001492401	2.45148E-34
2118 Apr	0.001027626	0.146004811	1E-05	1.4793185	2.820690155	0.050455686	0.000343422	5.32392168	0.001315954	0.010804399	0.000402093	0.000127043	7.72341E-05	0.112183236	2E-06	7.36588E-05	0.000648684	0.001492804	2.4343E-34
2118 May	0.001085834	0.167313099	1E-05	1.637154818	3.273774147	0.065223731	0.000310758	5.886294365	0.001436165	0.010991403	0.000529989	0.000150815	8.94176E-05	0.129169792	2E-06	7.42324E-05	0.000807517	0.001566604	1.87223E-34
2118 Jun	0.001108259	0.182591438	1E-05	1.73977387	3.575138569	0.076444454	0.000261643	6.202533245	0.001525341	0.011030912	0.000639594	0.000180953	9.9502E-05	0.140332416	2E-06	7.29839E-05	0.000945657	0.001681898	1.15965E-34
2118 Jul	0.001091855	0.178718179	1E-05	1.705210567	3.479939222	0.073865674	0.000256712	6.065558434	0.001502798	0.010948227	0.000617768	0.000180146	9.72016E-05	0.136697546	2E-06	7.20482E-05	0.00092075	0.001683581	1.11244E-34
2118 Aug	0.001058784	0.167447343	1E-05	1.632993937	3.257267714	0.066773057	0.000271937	5.810928822	0.001445138	0.010691415	0.000553554	0.000163555	9.21053E-05	0.128691196	2E-06	7.05693E-05	0.000827048	0.001621375	9.89277E-35
2118 Sep	0.001032296	0.151640609	1E-05	1.532251477	2.956492662	0.055514995	0.000325923	5.492621899	0.001357547	0.010673884	0.000448132	0.000135307	8.26767E-05	0.117613621	2E-06	7.23128E-05	0.000695535	0.001519766	7.94613E-35
2118 Oct	0.001025312	0.142123356	1E-05	1.465834379	2.76884222	0.047917295	0.000368288	5.297355175	0.001298511	0.010810287	0.000377277	0.000116268	7.56302E-05	0.110478468	2E-06	7.47378E-05	0.00061322	0.001451283	6.63412E-35
2118 Nov	0.001023763	0.140011638	1E-05	1.451097488	2.727205992	0.046231501	0.000377688	5.254028797	0.001285412	0.010840552	0.000361555	0.000112044	7.40667E-05	0.108895309	2E-06	7.52759E-05	0.000594956	0.001436087	6.343E-35
2118 Dec	0.001023737	0.139976323	1E-05	1.450850964	2.726509809	0.046203304	0.000377845	5.253304482	0.001285193	0.010841059	0.000361292	0.000111973	7.40405E-05	0.10886883	2E-06	7.52849E-05	0.00059465	0.001435833	6.33814E-35
2119 Jan	0.001023838	0.139996812	1E-05	1.45102036	2.726989985	0.046215612	0.000377875	5.254017353	0.001285298	0.010841579	0.000361298	0.00011197	7.40407E-05	0.10888692	2E-06	7.52903E-05	0.000594757	0.001435782	6.3361E-35
2119 Feb	0.001023984	0.140036732	1E-05	1.451334596	2.727880716	0.046242025	0.000377861	5.255230904	0.001285517	0.010842104	0.000361397	0.000111989	7.405E-05	0.108920537	2E-06	7.52944E-05	0.000595007	0.001435801	6.33504E-35
2119 Mar	0.001024063	0.140058562	1E-05	1.451506376	2.728367567	0.046256468	0.000377854	5.255894184	0.001285637	0.010842391	0.000361451	0.000112	7.40551E-05	0.108938918	2E-06	7.52966E-05	0.000595144	0.001435811	6.33447E-35
2119 Apr	0.001048501	0.146752611	1E-05	1.504192948	2.877671003	0.050685208	0.000375542	5.45939064	0.001322306	0.010930485	0.000378038	0.000115292	7.56159E-05	0.114576161	2E-06	7.59858E-05	0.000637128	0.001438997	6.15774E-35
2119 May	0.001183328	0.190887824	1E-05	1.835793734	3.827237129	0.080694295	0.00032404	6.677832127	0.001567353	0.011378284	0.000577085	0.000154797	9.43455E-05	0.150233865	2E-06	7.81629E-05	0.000945949	0.001544252	4.03705E-35
2119 Jun	0.001152968	0.188603923	1E-05	1.804608464	3.74713254	0.079861328	0.000294458	6.505177975	0.00155759	0.011236819	0.000590694	0.000168582	9.51817E-05	0.147046104	2E-06	7.59454E-05	0.000958439	0.001613728	3.29705E-35
2119 Jul	0.001124712	0.182865173	1E-05	1.75351274	3.606168747	0.076240279	0.000284597	6.291561127	0.001526154	0.011113201	0.000563769	0.000170469	9.22978E-05	0.141655743	2E-06	7.45115E-05	0.00092947	0.00163236	3.11484E-35
2119 Aug	0.00109601	0.173737839	1E-05	1.695726037	3.426964045	0.070624247	0.000295864	6.082758427	0.001480717	0.01089946	0.000518651	0.00015832	8.89075E-05	0.135226101	2E-06	7.32645E-05	0.000857069	0.001588721	2.85168E-35
2119 Sep	0.001067309	0.161732182	1E-05	1.619505286	3.195674181	0.062620379	0.000325322	5.824005604	0.001417664	0.010776461	0.000452846	0.000140177	8.34342E-05	0.126797259	2E-06	7.33646E-05	0.000761882	0.001525274	2.47764E-35
2119 Oct	0.001058747	0.154230237	1E-05	1.565288186	3.043306351	0.056736827	0.000353807	5.656315804	0.001371404	0.0108566	0.000404794	0.000126866	7.86234E-05	0.1209938	2E-06	7.48748E-05	0.000699317	0.001478725	2.20322E-35
2119 Nov	0.001055448	0.151340485	1E-05	1.544403672	2.984613895	0.054470472	0.000364779	5.591721535	0.001353584	0.010887468	0.000386284	0.000121739	7.67703E-05	0.118758298	2E-06	7.54566E-05	0.000675216	0.001460794	2.09751E-35
2119 Dec	0.00105541	0.151306838	1E-05	1.544160604	2.983930588	0.05444409	0.000364907	5.590969563	0.001353377	0.010887829	0.000386068	0.000121679	7.67488E-05	0.118732281	2E-06	7.54633E-05	0.000674936	0.001460585	2.09628E-35

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.042	0.000037	0.000011	0.00000029	0.011	0.0000058	0.0036	2.9E-07	2.9E-07	1.5E-09	1.7E-06	8.2E-07	2.0E-06	2.1E-05	1.5E-09	1.7E-02	5.8E-09	2.0E-07	3.5E-07
Operations (2020-2043): Mean	1282	3.0	6.3	0.15	588	0.224	234	6.7E-04	6.7E-04	5.7E-06	1.0E-02	4.2E-03	3.0E-01	2.3E-02	8.3E-06	6.2E+01	7.4E-05	1.1E-03	5.7E-04
Operations (2020-2043): Max	4207	8.3	15	0.37	1984	0.529	708	1.0E-03	1.0E-03	1.1E-05	1.7E-02	9.8E-03	6.8E-01	4.2E-02	2.8E-05	1.6E+02	1.6E-04	3.1E-03	1.1E-03
Active Closure (2044-2050): Min	130	0.12	0.18	0.0039	27	0.038	45	5.5E-04	5.5E-04	3.3E-06	4.1E-03	6.3E-04	5.6E-02	8.4E-03	5.2E-06	1.6E+01	1.5E-05	3.5E-05	1.8E-04
Active Closure (2044-2050): Mean	1262	2.2	4.8	0.11	404	0.25	382	6.1E-04	6.1E-04	4.8E-06	1.4E-02	5.1E-03	4.7E-01	2.0E-02	7.7E-06	9.1E+01	1.0E-04	8.3E-04	7.8E-04
Active Closure (2044-2050): Max	2351	4.9	14	0.37	985	0.53	526	9.6E-04	9.6E-04	1.0E-05	1.6E-02	1.0E-02	6.7E-01	4.0E-02	1.3E-05	1.2E+02	1.5E-04	3.0E-03	9.4E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Post Closure (2051-2119): Min	157	0.043	0.0085	0.00073	10	0.021	56	7.2E-04	7.2E-04	3.8E-06	4.5E-03	7.4E-04	6.9E-02	8.6E-03	5.2E-06	1.8E+01	1.8E-05	4.0E-05	2.0E-04
Post Closure (2051-2119): Mean	487	0.11	0.11	0.0024	22	0.030	214	8.2E-04	8.2E-04	4.3E-06	1.2E-02	3.0E-03	2.6E-01	2.3E-02	6.0E-06	6.3E+01	6.5E-05	3.1E-04	6.6E-04
Post Closure (2051-2119): Max	653	0.41	0.59	0.011	72	0.064	299	9.6E-04	9.6E-04	4.9E-06	1.4E-02	3.8E-03	3.7E-01	2.9E-02	6.7E-06	8.3E+01	8.5E-05	3.7E-04	8.4E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0.042069413	3.73428E-05	1.1232E-05	2.91741E-07	0.010677716	5.83482E-06	0.003646761	2.91741E-07	2.91741E-07	1.4587E-09	1.72127E-06	8.16874E-07	2.01301E-06	2.11512E-05	1.4587E-09	0.0167751	5.83482E-09	2.04219E-07	3.50089E-07
2020 Feb	0.083276719	7.39204E-05	2.22339E-05	5.77503E-07	0.021136619	1.15501E-05	0.007218791	5.77503E-07	5.77503E-07	2.88752E-09	3.40727E-06	1.61701E-06	3.98477E-06	4.1869E-05	2.88752E-09	0.033206437	1.15501E-08	4.04252E-07	6.93004E-07
2020 Mar	0.105286226	9.34571E-05	2.81101E-05	7.30134E-07	0.026722893	1.46027E-05	0.009126671	7.30134E-07	7.30134E-07	3.65067E-09	4.30779E-06	2.04437E-06	5.03792E-06	5.29347E-05	3.65067E-09	0.041982688	1.46027E-08	5.11094E-07	8.7616E-07
2020 Apr	0.117597505	0.000104385	3.13971E-05	8.15509E-07	0.029847642	1.63102E-05	0.010193867	8.15509E-07	8.15509E-07	4.07755E-09	4.81151E-06	2.28343E-06	5.62701E-06	5.91244E-05	4.07755E-09	0.046891786	1.63102E-08	5.70857E-07	9.78611E-07
2020 May	0.893046319	0.000699598	0.000227537	9.41694E-06	0.212859765	0.000188339	0.072706789	9.41694E-06	9.41694E-06	4.70847E-08	6.22035E-05	1.80737E-05	7.82641E-05	0.000419985	4.70847E-08	0.336808652	1.99054E-07	4.44877E-06	6.58552E-06
2020 Jun	13.2029438	0.006746326	0.002943099	0.00026375	2.613670826	0.005275008	0.893116295	0.00026375	0.00026375	1.31875E-06	0.001910969	0.000295522	0.002529561	0.005088503	1.31875E-06	4.234246254	5.84733E-06	7.01603E-05	6.46776E-05
2020 Jul	16.23273277	0.007199205	0.003455438	0.000362802	3.107663155	0.007742066	1.073895335	0.000362802	0.000362802	1.81401E-06	0.00258751	0.000379236	0.00347147	0.00601167	1.81401E-06	5.030003071	7.63866E-06	8.53514E-05	7.00478E-05
2020 Aug	17.09142876	0.007806601	0.003549613	0.000387062	3.329333782	0.008913965	1.160516262	0.000387062	0.000387062	1.93531E-06	0.002694703	0.000406021	0.003713137	0.006338504	1.93531E-06	5.311045647	7.61461E-06	8.78707E-05	7.16311E-05
2020 Sep	20.28066635	0.017308451	0.003662985	0.000445854	4.268321037	0.01263136	1.539468884	0.000445854	0.000445854	2.22927E-06	0.003196884	0.000473267	0.004544758	0.00733509	2.22927E-06	6.313539982	7.99702E-06	9.82783E-05	7.57237E-05
2020 Oct	24.0557785	0.029780054	0.003777551	0.00051234	5.364805222	0.016752621	1.995516062	0.00051234	0.00051234	2.5617E-06	0.003852112	0.000550354	0.005418013	0.00852935	2.5617E-06	7.488524437	8.79537E-06	0.000110192	8.16677E-05
2020 Nov	25.08345413	0.033145815	0.003810536	0.000530492	5.662337303	0.017868919	2.119125843	0.000530492	0.000530492	2.65246E-06	0.004030289	0.000571374	0.005655648	0.008854997	2.65246E-06	7.808383942	9.01489E-06	0.000113455	8.33117E-05
2020 Dec	25.11208916	0.033237059	0.003811611	0.000531002	5.670544624	0.017899536	2.122523546	0.000531002	0.000531002	2.65501E-06	0.004035237	0.000571962	0.005662262	0.008864118	2.65501E-06	7.817296505	9.02119E-06	0.000113548	8.33597E-05
2021 Jan	25.13223648	0.033264935	0.003816181	0.000531157	5.675891399	0.017905336	2.124430656	0.000531157	0.000531157	2.65579E-06	0.004036387	0.00057235	0.005663647	0.008873749	2.65579E-06	7.825135231	9.0238E-06	0.000113638	8.35083E-05
2021 Feb	25.15512657	0.033284653	0.00382245	0.000531296	5.681739807	0.01790772	2.126417875	0.000531296	0.000531296	2.65648E-06	0.004037159	0.00057279	0.005664498	0.008885463	2.65648E-06	7.834383488	9.02667E-06	0.00011375	8.37057E-05
2021 Mar	25.17453003	0.033304561	0.003826922	0.000531518	5.686491966	0.017913943	2.128086567	0.000531518	0.000531518	2.65759E-06	0.00403869	0.000573188	0.005666519	0.008894297	2.65759E-06	7.841582298	9.03072E-06	0.000113842	8.38364E-05
2021 Apr	25.19708061	0.033331111	0.003831218	0.000531888	5.69179678	0.017925667	2.130008936	0.000531888	0.000531888	2.65944E-06	0.004041405	0.000573676	0.005670257	0.008903393	2.65944E-06	7.849266052	9.03715E-06	0.000113947	8.39491E-05
2021 May	25.73927116	0.033827245	0.003953842	0.000539342	5.818307877	0.018116388	2.174283743	0.000539342	0.000539342	2.69671E-06	0.004093956	0.000585062	0.005739938	0.009139595	2.69671E-06	8.043006897	9.1826E-06	0.000116589	8.73086E-05
2021 Jun	30.26331902	0.029650752	0.005332575	0.000655232	6.381407738	0.018464545	2.316799879	0.000655232	0.000655232	3.27616E-06	0.004906666	0.000691261	0.00674515	0.01080249	3.27616E-06	9.357642174	1.25347E-05	0.000147193	0.000111421
2021 Jul	31.20677567	0.027275801	0.005534063	0.000707606	6.435833454	0.019558642	2.335986376	0.000707606	0.000707606	3.53803E-06	0.005195848	0.000730025	0.007156622	0.011061543	3.53803E-06	9.543983459	1.33365E-05	0.000151998	0.000111046
2021 Aug	31.76072311	0.027202463	0.005558496	0.00072825	6.614950657	0.020882688	2.409428835	0.00072825	0.00072825	3.64125E-06	0.005222899	0.000754541	0.007347411	0.011308756	3.64125E-06	9.747582436	1.29403E-05	0.000152107	0.000111057
2021 Sep	33.23229599	0.034775004	0.005411988	0.000745917	7.189602375	0.023309911	2.650537968	0.000745917	0.000745917	3.72959E-06	0.005419061	0.000780408	0.00776503	0.011715956	3.72959E-06	10.23538494	1.26038E-05	0.000154737	0.000110102
2021 Oct	34.68457794	0.04198689	0.005328585	0.000764389	7.691680908	0.025212644	2.86912322	0.000764389	0.000764389	3.82195E-06	0.005672315	0.000805881	0.008076854	0.012150036	3.82195E-06	10.69882298	1.2733E-05	0.000157851	0.000111132
2021 Nov	34.8343277	0.042398795	0.005338629	0.000767117	7.732501984	0.025357317	2.885673761	0.000767117	0.000767117	3.83559E-06	0.005697471	0.00080901	0.00811061	0.012199336	3.83559E-06	10.74566841	1.27709E-05	0.000158385	0.000111458
2021 Dec	34.85831451	0.042448767	0.005341138	0.000767594	7.738512993	0.025378006	2.888036013	0.000767594	0.000767594	3.83797E-06	0.005701454	0.000809536	0.008116095	0.012207452	3.83797E-06	10.75312805	1.27782E-05	0.00015848	0.000111521
2022 Jan	34.87153625	0.042467788	0.005344185	0.00076768	7.74207592	0.025381388	2.889306068	0.00076768	0.00076768	3.8384E-06	0.005702111	0.000809785	0.008116838	0.012213886	3.8384E-06	10.75834942	1.27797E-05	0.00015854	0.000111623
2022 Feb	34.88510513	0.042478736	0.005348185	0.000767724	7.745624542	0.025381312	2.890494585	0.000767724	0.000767724	3.83862E-06	0.005702259	0.000810036	0.008116872	0.012221212	3.83862E-06	10.76405907	1.27808E-05	0.000158607	0.000111752
2022 Mar	34.90169144	0.042495891	0.005351774	0.00076795	7.74960041	0.025387958	2.891904116	0.00076795	0.00076795	3.83975E-06	0.005703841	0.000810386	0.008119029	0.012228427	3.83975E-06	10.77000713	1.27848E-05	0.000158685	0.000111853
2022 Apr	35.11352539	0.04275208	0.005384856	0.000772532	7.796803951	0.025538944	2.909476757	0.000772532	0.000772532	3.86266E-06	0.005737815	0.000815284	0.008167333	0.012303451	3.86266E-06	10.83585167	1.28612E-05	0.00015965	0.000112559
2022 May	35.47346115	0.043189425	0.005440322	0.000780417	7.876791	0.025799356	2.939306021	0.000780417	0.000780417	3.90208E-06	0.005796355	0.000823633	0.008250635	0.012429916	3.90208E-06	10.9471283	1.29925E-05	0.000161287	0.000113724
2022 Jun	34.75794983	0.034856964	0.005668796	0.000812255	7.253549576	0.023944577	2.665994167	0.000812255	0.000812255	4.06128E-06	0.006037888	0.000814854	0.008459858	0.011884699	4.06128E-06	10.44156933	1.48254E-05	0.000166384	0.000108187
2022 Jul	33.17583847	0.023125427	0.005724377	0.000845612	6.486736774	0.022952357	2.364042997	0.000845612	0.000845612	4.22806E-06	0.006046613	0.00081562	0.008420983	0.011260789	4.22806E-06	9.743468285	1.54863E-05	0.000162034	9.95421E-05
2022 Aug	33.93349838	0.023486461	0.005782354	0.000866912	6.735647202	0.024417961	2.462978125	0.000866912	0.000866912	4.33456E-06	0.006071661	0.000844061	0.008628878	0.011608817	4.33456E-06	10.03403282	1.50244E-05	0.000162827	0.000100916
2022 Sep	34.97990036	0.029716173	0.005666334	0.000868805	7.209578514	0.026107803	2.656274557	0.000868805	0.000868805	4.34403E-06	0.006134254	0.00085803	0.008874722	0.011938038	4.34403E-06	10.43062305	1.44711E-05	0.000164392	0.000101422
2022 Oct	35.86096573	0.03602659	0.005545517	0.000869063	7.590128422	0.027318753	2.824678421	0.000869063	0.000869063	4.34531E-06	0.006251922	0.000868136	0.008992857	0.012219988	4.34531E-06	10.74713993	1.43421E-05	0.000165308	0.00010252
2022 Nov	35.97774506	0.036289252	0.005556688	0.000871328	7.620043755	0.027422171	2.836528778	0.000871328	0.000871328	4.35664E-06	0.006271319	0.000870662	0.009019386	0.012259291	4.35664E-06	10.78354168	1.43759E-05	0.000165762	0.000102816
2022 Dec	35.99999237	0.036338214	0.005558868	0.000871763	7.625704288	0.027441768	2.838766575	0.000871763	0.000871763	4.35882E-06	0.006275021	0.000871146	0.009024461	0.012266782	4.35882E-06	10.79046726	1.43824E-05	0.000165849	0.000102872
2023 Jan	36.01304626	0.036358763	0.005561934	0.000871818	7.629341125	0.027444439	2.84006238	0.000871818	0.000871818	4.35909E-06	0.006275489	0.00087138	0.009024906	0.012273325	4.35909E-06	10.79576492	1.43834E-05	0.000165908	0.000102979
2023 Feb	36.02713013	0.036370814	0.00556611	0.000871852	7.633070469	0.027444089	2.84131217	0.000871852	0.000871852	4.35926E-06	0.006275572	0.000871636	0.00902483	0.012281003	4.35926E-06	10.80174637	1.43844E-05	0.000165977	0.000103116
2023 Mar	36.03723526	0.036379836	0.005568763	0.000871929	7.635618687	0.027445745	2.84218502	0.000871929	0.000871929	4.35965E-06	0.00627604	0.000871834	0.009025397	0.01228602	4.35965E-06	10.80573654	1.43859E-05	0.000166026	0.000103198
2023 Apr	36.11982727	0.036462534	0.005582146	0.000873832	7.653348923	0.027505198	2.84874177	0.000873832	0.000873832	4.36916E-06	0.006289686	0.000873806	0.00904496	0.01231507	4.36916E-06	10.83104706	1.44174E-05	0.000166408	0.000103465
2023 May	37.59656906	0.037429642	0.006022722	0.000881307	8.018166542	0.027465105	2.968921661	0.000881307	0.000881307	4.40654E-06	0.006330938	0.000901271	0.009076703	0.013086867	4.40654E-06	11.43344688	1.46548E-05	0.000174063	0.000117113
2023 Jun	44.21406555	0.036819585	0.00851421	0.000900252	9.43872261	0.024593288	3.378421545	0.000900252	0.000900252	4.50126E-06	0.006435964	0.001013684	0.00895167	0.016732728	4.50126E-06	14.18203068	1.66073E-05	0.000215253	0.000190116
2023 Jul	42.49162674	0.031883217	0.008143473	0.000915439	8.839646339	0.024457229	3.164514303	0.000915439	0.000915439	4.57719E-06	0.00649375	0.00099374	0.009018376	0.015807405	4.57719E-06	13.39804554	1.69183E-05	0.000208021	0.000173609
2023 Aug	42.56496811	0.031445853	0.008066685	0.000928785	8.90321064	0.025544642	3.20039463	0.000928785	0.000928785	4.64392E-06	0.006477193	0.001008594	0.009106973	0.015868859	4.64392E-06	13.43551159	1.64384E-05	0.000205572	0.000171309
2023 Sep	42.77758026	0.033698108	0.007909815	0.000931801	9.071730614	0.026661102	3.267842531	0.000931801	0.000931801	4.659E-06	0.006476501	0.001011698	0.009317907	0.015840815	4.659E-06	13.5033226	1.59136E-05	0.000204929	0.000167283
2023 Oct	42.98859024	0.037180744	0.007744826	0.000931227	9.215955734	0.027396778	3.340774536	0.000931227	0.000931227	4.65613E-06	0.006543623	0.001012188	0.009387897	0.015840223	4.65613E-06	13.55963898	1.58084E-05	0.000203888	0.000164907
2023 Nov	43.18628311	0.037809391	0.00775229	0.000934795	9.272065163	0.027606143	3.363977671	0.000934795	0.000934795	4.67398E-06	0.00657857	0.001016222	0.009434385	0.015902204	4.67398E-06	13.6205759	1.58557E-05	0.000204543	0.000165224
2023 Dec	43.20679092	0.037863135	0.00775377	0.000935184	9.277541161	0.027625771	3.366188049	0.000935184	0.000935184	4.67592E-06	0.006582074	0.001016656	0.009439125	0.015908904	4.67592E-06	13.62693214	1.58613E-05	0.000204618	0.000165268
2024 Jan	43.21954346	0.037886679	0.007756709	0.000935205	9.281270981	0.027628131	3.367531061	0.000935205	0.000935205	4.67603E-06	0.006582362	0.001016874	0.009439268	0.015915465	4.67603E-06	13.63225079	1.58616E-05	0.000204673	0.000165377
2024 Feb	43.23510361	0.037900563	0.007761423	0.000935219	9.285470009	0.02762709	3.368936062	0.000935219	0.000935219	4.6761E-06	0.006582287	0.001017149	0.009438923	0.015924148	4.6761E-06	13.63898945	1.58623E-05	0.000204749	0.000165535
2024 Mar	43.28516006	0.037944574	0.00777145	0.000936127	9.296685219	0.027653119	3.372940779	0.000936127	0.000936127	4.68063E-06	0.006588582	0.001018278	0.009447821	0.015944185	4.68063E-06	13.6557703	1.5878E-05	0.000204987	0.00016578
2024 Apr	43.37320709	0.038021833	0.007787838	0.000937934	9.315855026	0.027706057	3.379859924	0.000937934	0.000937934	4.68967E-06	0.006601247	0.001020322	0.00946591	0.015977507	4.68967E-06	13.68410015	1.59088E-05	0.000205405	0.000166147
2024 May	46.70940018	0.040304288	0.008816156	0.000948527	10.15616798	0.027398182	3.655404568	0.000948527	0.000948527	4.74263E-06	0.006652163	0.001080319	0.009465923	0.017773263	4.74263E-06	15.07773018	1.63675E-05	0.000222761	0.000198803
2024 Jun	54.62285614	0.043630619	0.011637438	0.000941894	12.11175251	0.024532693	4.26311636	0.000941894	0.000941894	4.70947E-06	0.006561277	0.001209836	0.009054193	0.022334618	4.70947E-06	18.53963089	1.75477E-05	0.000267438	0.00028922
2024 Jul	54.6831131	0.042792689	0.011600795	0.000961838	12.05559063	0.025023073	4.246628761	0.000961838	0.000961838	4.80919E-06	0.006687103	0.001218634	0.009231602	0.022245575	4.80919E-06	18.47220993	1.78649E-05	0.000267726	0.000285456
2024 Aug	54.11203766	0.042486336	0.011343603	0.000963712	11.9737339	0.025801146	4.223501205	0.000963712	0.000963712	4.81856E-06	0.006632818	0.001212691	0.009337898	0.021916585	4.81856E-06	18.2464447	1.72993E-05	0.000263458	0.000277308
2024 Sep	52.95101166	0.046005331	0.010662254	0.00095518	11.8586216	0.027202964	4.213977337	0.00095518	0.00095518	4.7759E-06	0.00662032	0.00118694	0.00949439	0.021139627	4.7759E-06	17.75128365	1.65133E-05	0.000254417	0.000259341
2024 Oct	52.71383286	0.049077407	0.010360135	0.000954682	11.88059044	0.027983813	4.246828556	0.000954682	0.000954682	4.77341E-06	0.006692377	0.001179938	0.009571739	0.02089129	4.77341E-06	17.61285973	1.63946E-05	0.000251091	0.000252396
2024 Nov	52.69200134	0.050719418	0.010226859	0.000956204	11.91374588	0.028429978	4.271300316	0.000956204	0.000956204	4.78102E-06	0.006741183	0.001178595	0.009628562	0.02080472	4.78102E-06	17.57569122	1.63651E-05	0.000249878	0.000249358
2024 Dec	52.71574783	0.05078486	0.010228164	0.000956684	11.92009068	0.028454516	4.273897648	0.000956684	0.000956684	4.78342E-06	0.006745542	0.001179105	0.009634459	0.020812102	4.78342E-06	17.5828476	1.63719E-05	0.000249962	0.000249396
2025 Jan	52.72783279	0.050808243	0.010230838	0.000956711	11.92363644	0.028457237	4.275188446	0.000956711	0.000956711	4.78356E-06	0.006745887	0.001179314	0.009634653	0.020818252	4.78356E-06	17.58784866	1.63723E-05	0.000250013	0.000249496
2025 Feb	52.74860001	0.050826352	0.010236698	0.000956807	11.9290266	0.028458383	4.277012825	0.000956807	0.000956807	4.78403E-06	0.006746359	0.001179704	0.009635062	0.02082916	4.78403E-06	17.59641075	1.63744E-05	0.000250114	0.000249684
2025 Mar	52.76673126	0.050842784	0.010241216	0.000956982	11.93350601	0.028462676	4.278559685	0.000956982	0.000956982	4.78491E-06	0.006747487	0.001180069	0.009636529	0.020837799	4.78491E-06	17.60335159	1.63777E-05	0.000250202	0.000249819
2025 Apr	52.81917953	0.050892726	0.010251964	0.000957846	11.9455843	0.028487846	4.282855988	0.000957846	0.000957846	4.78923E-06	0.006753516	0.001181219	0.009645057	0.02085935	4.78923E-06	17.62135506	1.63926E-05	0.000250451	0.000250096

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 May	53.61842728	0.051662423	0.010407344	0.000972304	12.12642384	0.028917547	4.347677231	0.000972304	0.000972304	4.86152E-06	0.006855428	0.001199083	0.009790562	0.021175344	4.86152E-06	17.88820839	1.66402E-05	0.000254242	0.000253892
2025 Jun	49.07355881	0.041965272	0.009538937	0.000966471	10.61261845	0.026623985	3.78373456	0.000966471	0.000966471	4.83235E-06	0.006901198	0.001111754	0.009716702	0.01874624	4.83235E-06	15.89898586	1.77125E-05	0.000239337	0.000217306
2025 Jul	44.17058563	0.031702626	0.008534545	0.000959538	9.091888428	0.025040509	3.235579491	0.000959538	0.000959538	4.79769E-06	0.006826318	0.001029843	0.009525349	0.016304856	4.79769E-06	13.85168839	1.80471E-05	0.00021914	0.000178865
2025 Aug	44.26777267	0.031413309	0.008461934	0.000972115	9.164226532	0.026104573	3.274138212	0.000972115	0.000972115	4.86058E-06	0.006810228	0.001044273	0.009614517	0.016373804	4.86058E-06	13.89878654	1.75748E-05	0.000216891	0.000176774
2025 Sep	44.34863663	0.034180857	0.008272582	0.000970349	9.30006218	0.02700156	3.337204933	0.000970349	0.000970349	4.85175E-06	0.006815135	0.00104339	0.009727515	0.016316297	4.85175E-06	13.92439556	1.71563E-05	0.000215266	0.000173023
2025 Oct	44.24066544	0.039698169	0.007905653	0.000958977	9.452659607	0.028000301	3.428348541	0.000958977	0.000958977	4.79489E-06	0.00684835	0.001033822	0.009737981	0.016154578	4.79489E-06	13.87992477	1.675E-05	0.00021107	0.000167296
2025 Nov	44.29249191	0.041922085	0.007780087	0.000956598	9.531864166	0.028446956	3.470958948	0.000956598	0.000956598	4.78299E-06	0.006875736	0.001032301	0.009762665	0.01612607	4.78299E-06	13.89207458	1.66278E-05	0.00020989	0.000165429
2025 Dec	44.31326294	0.041976351	0.007781593	0.000956991	9.537417412	0.028466875	3.473200083	0.000956991	0.000956991	4.78496E-06	0.006879269	0.001032742	0.009767456	0.01613288	4.78496E-06	13.89852428	1.66334E-05	0.000209966	0.000165473
2026 Jan	44.32745361	0.042000137	0.007784816	0.00095705	9.541427612	0.028470252	3.474642038	0.00095705	0.00095705	4.78525E-06	0.006879783	0.001032997	0.009767951	0.016139971	4.78525E-06	13.90428543	1.66343E-05	0.000210028	0.000165587
2026 Feb	44.34335709	0.042013936	0.007789549	0.000957082	9.545669556	0.028469775	3.47606492	0.000957082	0.000957082	4.78541E-06	0.006879825	0.001033285	0.009767793	0.016148707	4.78541E-06	13.91108036	1.66352E-05	0.000210105	0.000165744
2026 Mar	44.37792206	0.042045996	0.007796678	0.000957659	9.553557396	0.02848614	3.47887063	0.000957659	0.000957659	4.78829E-06	0.006883865	0.001034046	0.009773411	0.016162898	4.78829E-06	13.92290878	1.66454E-05	0.000210271	0.000165927
2026 Apr	44.50222778	0.042163376	0.007819121	0.000960244	9.580571175	0.028562609	3.488669872	0.000960244	0.000960244	4.80122E-06	0.006902393	0.001036917	0.009799648	0.016209086	4.80122E-06	13.9624691	1.66905E-05	0.00021086	0.000166422
2026 May	45.35646439	0.042846344	0.008023365	0.000971328	9.778983116	0.028816409	3.557184935	0.000971328	0.000971328	4.85664E-06	0.006978058	0.001054762	0.00989907	0.0165911	4.85664E-06	14.27261639	1.69133E-05	0.000215092	0.000172063
2026 Jun	47.69928741	0.038232688	0.009404437	0.000957654	10.12322903	0.025250778	3.599090338	0.000957654	0.000957654	4.78827E-06	0.006872975	0.001084786	0.009509619	0.018144256	4.78827E-06	15.34480762	1.81869E-05	0.000235309	0.000210982
2026 Jul	46.62881088	0.035473321	0.009154255	0.000966082	9.767775536	0.025255693	3.474595547	0.000966082	0.000966082	4.83041E-06	0.006901086	0.001072379	0.009545899	0.017573336	4.83041E-06	14.86421108	1.8307E-05	0.000230447	0.000200574
2026 Aug	46.04693604	0.034140047	0.008906078	0.000974226	9.702462196	0.026514623	3.473400593	0.000974226	0.000974226	4.87113E-06	0.006793782	0.00108024	0.009532331	0.017406084	4.87113E-06	14.69052219	1.74018E-05	0.000223257	0.000194091
2026 Sep	46.34474564	0.036150314	0.008827169	0.000979283	9.834312439	0.027228806	3.530725479	0.000979283	0.000979283	4.89641E-06	0.006848187	0.001085439	0.00966191	0.017450925	4.89641E-06	14.77657223	1.72857E-05	0.000223452	0.000192475
2026 Oct	45.84797287	0.041192219	0.008379148	0.000962856	9.890366554	0.02805702	3.586175919	0.000962856	0.000962856	4.81428E-06	0.006845924	0.001067351	0.00963313	0.017111856	4.81428E-06	14.58929634	1.67976E-05	0.000217598	0.000184274
2026 Nov	45.99464417	0.041428406	0.008399158	0.000965822	9.925111771	0.028168317	3.599442482	0.000965822	0.000965822	4.82911E-06	0.006869193	0.001070641	0.009665386	0.017163677	4.82911E-06	14.63541412	1.68455E-05	0.000218228	0.000184745
2026 Dec	46.01409912	0.041470926	0.008401085	0.000966204	9.930053711	0.028185388	3.601394653	0.000966204	0.000966204	4.83102E-06	0.006872426	0.001071064	0.009669819	0.017170237	4.83102E-06	14.64147186	1.68513E-05	0.000218304	0.000184795
2027 Jan	46.02453995	0.041488651	0.008403396	0.000966254	9.93298912	0.028188156	3.602452755	0.000966254	0.000966254	4.83127E-06	0.006872866	0.001071254	0.009670288	0.017175365	4.83127E-06	14.64566231	1.6852E-05	0.00021835	0.000184876
2027 Feb	46.03592682	0.041498709	0.008406773	0.000966277	9.936032295	0.028187847	3.603473425	0.000966277	0.000966277	4.83138E-06	0.006872899	0.001071459	0.009670186	0.017181609	4.83138E-06	14.65052414	1.68527E-05	0.000218405	0.000184988
2027 Mar	46.07015991	0.041529447	0.008413733	0.000966877	9.943738937	0.028204832	3.606223583	0.000966877	0.000966877	4.83439E-06	0.0068771	0.001072224	0.009676015	0.017195471	4.83439E-06	14.66209316	1.68633E-05	0.000218569	0.000185162
2027 Apr	46.16704178	0.041616715	0.00843183	0.000968843	9.964832306	0.028261878	3.613847494	0.000968843	0.000968843	4.84422E-06	0.006891044	0.00107446	0.009695588	0.017232252	4.84422E-06	14.69331264	1.68977E-05	0.000219029	0.000185572
2027 May	46.4497757	0.041802958	0.008519416	0.000969721	10.03615284	0.028235378	3.637167931	0.000969721	0.000969721	4.8486E-06	0.006894788	0.001079552	0.009695503	0.017384857	4.8486E-06	14.81171417	1.69346E-05	0.000220502	0.00018835
2027 Jun	41.87685776	0.029911559	0.007929923	0.000947589	8.434679031	0.024327384	3.008809328	0.000947589	0.000947589	4.73794E-06	0.006847102	0.000981038	0.009450834	0.015054766	4.73794E-06	12.86616898	1.83317E-05	0.00020954	0.000158843
2027 Jul	40.82647705	0.025929639	0.007750791	0.000964617	7.982135773	0.023938915	2.837500811	0.000964617	0.000964617	4.82309E-06	0.006967447	0.000967644	0.009581519	0.014399433	4.82309E-06	12.32134342	1.89912E-05	0.000207054	0.000147641
2027 Aug	41.12047577	0.026409086	0.007725407	0.000972899	8.115491867	0.024823064	2.889485121	0.000972899	0.000972899	4.8645E-06	0.006955429	0.000978974	0.009716111	0.014511783	4.8645E-06	12.43943787	1.85816E-05	0.000206875	0.000146841
2027 Sep	41.37169647	0.031180767	0.00746174	0.000966191	8.39162159	0.026245128	3.012626886	0.000966191	0.000966191	4.83095E-06	0.006926689	0.000979549	0.009843089	0.014532225	4.83095E-06	12.56184006	1.77772E-05	0.000204394	0.000143078
2027 Oct	41.65784454	0.036019798	0.007250148	0.0009608 2	8.614543915	0.027213596	3.122204542	0.00096082	0.00096082	4.8041E-06	0.006971336	0.000980112	0.009879743	0.014586347	4.8041E-06	12.67310524	1.7466E-05	0.000202536	0.000141153
2027 Nov	41.88905334	0.037402302	0.007223065	0.00096307	8.704528809	0.027565923	3.162231684	0.00096307	0.00096307	4.81535E-06	0.007009195	0.000983963	0.00992654	0.014655437	4.81535E-06	12.74967957	1.74519E-05	0.000202824	0.000141191
2027 Dec	41.9120903	0.037486184	0.007223433	0.000963434	8.711574554	0.02759186	3.165186167	0.000963434	0.000963434	4.81717E-06	0.007013004	0.000984419	0.009931568	0.014662863	4.81717E-06	12.75702477	1.74556E-05	0.000202891	0.000141229
2028 Jan	41.92787933	0.037514705	0.007227159	0.000963449	8.716263771	0.027594665	3.166873455	0.000963449	0.000963449	4.81724E-06	0.007013189	0.000984692	0.009931549	0.0146712	4.81724E-06	12.76373386	1.74554E-05	0.000202957	0.000141369
2028 Feb	41.95042419	0.037534691	0.007233559	0.000963541	8.72217083	0.027595708	3.168878233	0.000963541	0.000963541	4.8177E-06	0.007013605	0.000985113	0.00993187	0.01468315	4.8177E-06	12.77310276	1.74574E-05	0.000203066	0.000141576
2028 Mar	41.96813965	0.037550438	0.007237972	0.000963717	8.726513863	0.027599903	3.170371056	0.000963717	0.000963717	4.81859E-06	0.007014751	0.000985471	0.00993335	0.014691546	4.81859E-06	12.77985191	1.74608E-05	0.000203152	0.000141707
2028 Apr	42.08807373	0.037657689	0.007259414	0.000966343	8.751818657	0.027674617	3.179520369	0.000966343	0.000966343	4.83171E-06	0.007033786	0.000988255	0.009960223	0.014734752	4.83171E-06	12.81712723	1.75085E-05	0.000203733	0.000142152
2028 May	42.59371185	0.038109683	0.007347129	0.000977872	8.857171059	0.028004356	3.217763662	0.000977872	0.000977872	4.88936E-06	0.007117663	0.001000107	0.010078935	0.014912538	4.88936E-06	12.97157669	1.77175E-05	0.000206181	0.000143885
2028 Jun	39.45389938	0.028111624	0.007095696	0.000961608	7.6951828	0.024702728	2.75365448	0.000961608	0.000961608	4.80804E-06	0.007053575	0.000934102	0.009806642	0.013411404	4.80804E-06	11.66141605	1.88582E-05	0.000199815	0.000127388
2028 Jul	38.68025589	0.024543369	0.007043799	0.000968811	7.358638287	0.024075747	2.621851444	0.000968811	0.000968811	4.84406E-06	0.007087436	0.000924035	0.009804043	0.013017223	4.84406E-06	11.30200768	1.92893E-05	0.000198233	0.000122015
2028 Aug	39.1332283	0.024938086	0.007095228	0.000979997	7.482595921	0.024664551	2.668353319	0.000979997	0.000979997	4.89999E-06	0.007133302	0.000937036	0.009932974	0.013188146	4.89999E-06	11.45507145	1.92413E-05	0.000199701	0.000122953
2028 Sep	39.36241913	0.028829083	0.006930231	0.000972269	7.68979454	0.025486933	2.764936209	0.000972269	0.000972269	4.86135E-06	0.007122675	0.000937334	0.009942997	0.013264194	4.86135E-06	11.57236385	1.87885E-05	0.000197931	0.000122031
2028 Oct	40.0006218	0.039695803	0.006489541	0.000951788	8.232858658	0.027551796	3.02470088	0.000951788	0.000951788	4.75894E-06	0.007135247	0.000937799	0.009930675	0.013477465	4.75894E-06	11.88222313	1.77938E-05	0.000193267	0.000120082
2028 Nov	40.36252213	0.041604254	0.006465859	0.000954999	8.36967659	0.028047131	3.084088087	0.000954999	0.000954999	4.77499E-06	0.00718447	0.000944089	0.009994668	0.013599135	4.77499E-06	12.00793648	1.77612E-05	0.000193842	0.000120583
2028 Dec	40.3827858	0.041652646	0.006467643	0.000955383	8.374985695	0.028065583	3.086204767	0.000955383	0.000955383	4.77691E-06	0.007187805	0.000944524	0.009999228	0.013605958	4.77691E-06	12.01428986	1.77667E-05	0.000193919	0.000120633
2029 Jan	40.3944664	0.041672036	0.0064705	0.000955394	8.378427505	0.028067458	3.087432861	0.000955394	0.000955394	4.77697E-06	0.007187888	0.000944729	0.00999919	0.013612194	4.77697E-06	12.01927948	1.77665E-05	0.000193968	0.000120739
2029 Feb	40.40802383	0.041683309	0.006474683	0.0009554	8.382113457	0.028066404	3.088662148	0.0009554	0.0009554	4.777E-06	0.00718772	0.000944971	0.009998784	0.013619885	4.777E-06	12.02521896	1.77668E-05	0.000194034	0.00012088
2029 Mar	40.42306519	0.041697349	0.00647819	0.000955584	8.385710716	0.028071141	3.089917421	0.000955584	0.000955584	4.77792E-06	0.007188988	0.000945282	0.010000456	0.013626658	4.77792E-06	12.03073502	1.77703E-05	0.000194107	0.00012098
2029 Apr	40.47255707	0.041747555	0.006486746	0.000956656	8.396247864	0.028102254	3.093760252	0.000956656	0.000956656	4.78328E-06	0.007196988	0.000946416	0.010011532	0.013644312	4.78328E-06	12.04605579	1.77903E-05	0.000194345	0.000121159
2029 May	40.87118912	0.042116072	0.006565677	0.00096404	8.483594894	0.028302338	3.124915361	0.00096404	0.00096404	4.8202E-06	0.007251006	0.000955247	0.010085168	0.013799532	4.8202E-06	12.17708969	1.79323E-05	0.000196291	0.00012304
2029 Jun	40.19759369	0.035785735	0.00682526	0.000963	8.070900917	0.026290137	2.934166193	0.000963	0.000963	4.815E-06	0.007216898	0.000941477	0.009954294	0.013566049	4.815E-06	11.89723396	1.87206E-05	0.000198911	0.000124968
2029 Jul	36.96091843	0.023841282	0.006561446	0.000948191	7.017787933	0.024148321	2.527537584	0.000948191	0.000948191	4.74096E-06	0.006905065	0.000897102	0.009494931	0.012361887	4.74096E-06	10.72394085	1.8506E-05	0.000186499	0.000111162
2029 Aug	37.54078674	0.023899304	0.006578	0.000967339	7.242918015	0.025708281	2.623507261	0.000967339	0.000967339	4.8367E-06	0.006884954	0.000925523	0.009634119	0.012690726	4.8367E-06	10.97643471	1.78382E-05	0.00018543	0.00011213
2029 Sep	38.24552155	0.027691346	0.006512449	0.000970961	7.552965164	0.026891883	2.751549006	0.000970961	0.000970961	4.85481E-06	0.006926206	0.000937554	0.009790233	0.012933677	4.85481E-06	11.24609184	1.74588E-05	0.000186235	0.000112701
2029 Oct	38.80398941	0.033101477	0.006358884	0.00096548	7.861251831	0.027928568	2.890918016	0.00096548	0.00096548	4.8274E-06	0.006972145	0.000942186	0.009840022	0.013121106	4.8274E-06	11.47174644	1.7124E-05	0.000185602	0.000112937
2029 Nov	39.0571785	0.034615971	0.006336873	0.000966676	7.962499619	0.028265949	2.934921026	0.000966676	0.000966676	4.83338E-06	0.007004865	0.00094588	0.009879676	0.013205357	4.83338E-06	11.56164837	1.70936E-05	0.000185978	0.000113322
2029 Dec	39.07363129	0.034662545	0.006337978	0.000966957	7.967084885	0.028281678	2.936776638	0.000966957	0.000966957	4.83478E-06	0.007007501	0.000946218	0.009883232	0.013210886	4.83478E-06	11.56688881	1.70973E-05	0.000186036	0.000113361
2030 Jan	90.1363678	0.069342263	0.024298048	0.001046236	21.30763626	0.020042118	7.274641037	0.001000008	0.001000008	5.00115E-06	0.006675038	0.001833382	0.008485038	0.041851755	5.00119E-06	33.62922668	2.13078E-05	0.000450413	0.000649979
2030 Feb	90.38583374	0.069840051	0.026518058	0.001112579	21.42886734	0.020104652	7.310946941	0.001000141	0.001000141	5.00342E-06	0.006675893	0.001834872	0.008536525	0.041859359	5.00364E-06	33.63934326	2.13216E-05	0.000451062	0.000650028
2030 Mar	90.54788971	0.070123859	0.027683349	0.001147515	21.49980164	0.020144267	7.332554817	0.001000558	0.001000558	5.00637E-06	0.006678659	0.001836292	0.008566598	0.041877892	5.00679E-06	33.65630722	2.13362E-05	0.000451559	0.000650281
2030 Apr	90.77098083	0.070382632	0.02835862	0.001168231	21.57054329	0.020195778	7.355298042	0.001002271	0.001002271	5.01541E-06	0.006690084	0.001839794	0.00859586	0.041950177	5.01601E-06	33.71552658	2.13759E-05	0.000452502	0.000651385
2030 May	92.31005859	0.072833173	0.032542303	0.001275259	22.02962494	0.020556547	7.508725166	0.001015033	0.001015033	5.08109E-06	0.006777267	0.001864832	0.008834069	0.042487837	5.08335E-06	34.15569687	2.16715E-05	0.000458882	0.000659781
2030 Jun	532.7802124	0.936688066	3.710330009	0.11066661	244.9609528	0.125180021	75.99279022	0.000982962	0.000982962	8.62065E-06	0.00698799	0.004065487	0.113584548	0.042316657	1.46524E-05	40.79739761	4.18012E-05	0.001507521	0.000579409
2030 Jul	747.5631714	1.461104751	5.141890526	0.149943814	360.7704163	0.171807334	109.1089554	0.000930377	0.000930377	9.56375E-06	0.007690616	0.004723981	0.175761521	0.038457856	1.8364E-05	42.11044693	5.23558E-05	0.001792379	0.000545272
2030 Aug	836.8999634	1.855214357	5.82681036	0.164001629	406.5623474	0.193552613	123.1673355	0.000913932	0.000913932	9.73716E-06	0.00834657	0.004955802	0.210717008	0.038471952	1.94626E-05	44.2893486	5.75928E-05	0.001846329	0.000588018
2030 Sep	872.8526001	1.999821544	6.062575817	0.168837026	425.5350037	0.201602966	128.6790771	0.000906481	0.000906481	9.7742E-06	0.008632627	0.005035457	0.224177331	0.038510084	1.98135E-05	45.2383728	5.97031E-05	0.001862753	0.000606818
2030 Oct	929.5282593	2.22602129	6.53665638	0.179688543	454.2156982	0.215303212	137.6325073	0.000880964	0.000880964	9.89214E-06	0.008867938	0.005212936	0.244338974	0.038521957	2.05166E-05	46.50514603	6.27587E-05	0.001925604	0.000625641
2030 Nov	948.25	2.292765141	6.742688656	0.185035646	462.9084778	0.220485017	140.6115875	0.000878031	0.000878031	1.00159E-05	0.008887532	0.005313609	0.249902636	0.038796388	2.07913E-05	47.03645706	6.37486E-05	0.001970002	0.000628507
2030 Dec	948.7354736	2.293932199	6.746870995	0.185153335	463.1405029	0.220604002	140.6863098	0.000878236	0.000878236	1.00208E-05	0.008889502	0.005316508	0.250025094	0.038811453	2.08027E-05	47.05553055	6.37759E-05	0.001971227	0.000628692
2031 Jan	948.8709717	2.294092178	6.748036861	0.185190678	463.2049866	0.220635623	140.7075043	0.000878266	0.000878266	1.00225E-05	0.008889321	0.005317478	0.250050187	0.038815793	2.08073E-05	47.06017685	6.37816E-05	0.001971686	0.000628712
2031 Feb	948.9368896	2.294167519	6.748610973	0.18520911	463.2363281	0.22065106	140.7178192	0.000878278	0.000878278	1.00234E-05	0.008889203	0.005317952	0.250062078	0.03881789	2.08095E-05	47.06241226	6.37844E-05	0.001971913	0.00062872
2031 Mar	949.1824341	2.294717073	6.75042057	0.185260236	463.3557739	0.220708311	140.7544861	0.000878479	0.000878479	1.0026E-05	0.008891103	0.005319383	0.250123769	0.038827572	2.08152E-05	47.07402802	6.38E-05	0.00197247	0.000628862
2031 Apr	952.8930054	2.303914547	6.776931763	0.185980812	465.1641541	0.221569791	141.3064575	0.000881816	0.000881816	1.00643E-05	0.008925644	0.005339881	0.251109689	0.038975995	2.0895E-05	47.25654984	6.40486E-05	0.001980031	0.000631304
2031 May	994.7391968	2.438741446	7.12821722	0.194675103	484.8709717	0.231214121	147.8995514	0.000891414	0.000891414	1.03222E-05	0.009136921	0.005527975	0.262681305	0.039823432	2.14497E-05	48.81930542	6.64085E-05	0.002050521	0.000647266
2031 Jun	1136.624634	2.811847925	7.736682892	0.207332864	556.1187744	0.253291637	172.0787659	0.000847222	0.000847222	1.12217E-05	0.009753426	0.006031703	0.30796966	0.041970007	2.78679E-05	53.04747391	7.28264E-05	0.002217463	0.000752568
2031 Jul	1157.354736	2.804744244	7.41825819	0.198443353	573.0388794	0.25068602	174.3442841	0.000838408	0.000838408	1.08575E-05	0.01020269	0.005866549	0.313610762	0.041265044	2.74892E-05	53.55094147	7.38262E-05	0.002111111	0.000780013
2031 Aug	1292.333374	3.458527327	8.257612228	0.210305959	640.1434326	0.27544567	196.2574463	0.000779993	0.000779993	1.03221E-05	0.011245163	0.005914921	0.362642914	0.039645657	2.67563E-05	57.04019547	8.12141E-05	0.002030579	0.000841558
2031 Sep	1648.257202	5.613463879	11.13230801	0.248737365	803.5828247	0.348935276	256.5768738	0.000628675	0.000628675	8.64258E-06	0.014432064	0.006006945	0.505616903	0.035321325	2.33352E-05	67.26224518	0.000102851	0.001763245	0.001016895
2031 Oct	1893.315796	7.15497303	13.40692139	0.282663375	911.5335693	0.403755486	298.6550293	0.000534527	0.000534527	7.68453E-06	0.016498763	0.006193731	0.603583455	0.032889519	2.08436E-05	74.5727005	0.000118	0.001645262	0.001123787
2031 Nov	1913.330078	7.266849041	13.61129093	0.286471665	920.1980591	0.408608586	302.0261536	0.000531769	0.000531769	7.6827E-06	0.01663542	0.006241969	0.610823333	0.032941621	2.07567E-05	75.25289917	0.00011924	0.001654178	0.001131638
2031 Dec	1913.811157	7.268091679	13.61564732	0.286592722	920.4277954	0.408728153	302.0981445	0.000531972	0.000531972	7.6864E-06	0.016637364	0.006244558	0.610935628	0.032954	2.07607E-05	75.27177429	0.000119267	0.001655256	0.001131751
2032 Jan	1913.858032	7.267848492	13.61644173	0.286628306	920.4512329	0.408747464	302.1026001	0.000532042	0.000532042	7.68776E-06	0.016636476	0.006245355	0.610923529	0.032957774	2.07607E-05	75.27379608	0.000119268	0.001655712	0.00113168
2032 Feb	1913.864258	7.267641544	13.61672306	0.286644399	920.454895	0.408753693	302.1019592	0.000532076	0.000532076	7.68843E-06	0.016635843	0.006245721	0.610910892	0.032959536	2.07606E-05	75.27417755	0.000119267	0.001655941	0.001131632
2032 Mar	1914.379028	7.269471169	13.62051296	0.286729723	920.7028198	0.408866227	302.1823425	0.000532237	0.000532237	7.69084E-06	0.016639944	0.006247588	0.611067235	0.032969292	2.0766E-05	75.294487	0.000119299	0.001656507	0.001131908

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Apr	1918.614868	7.285485744	13.65072155	0.287368715	922.7402344	0.409772426	302.8504944	0.000533424	0.000533424	7.70805E-06	0.016676556	0.006261516	0.612414896	0.033042744	2.08119E-05	75.46113586	0.000119563	0.001660239	0.001134397
2032 May	1945.256958	7.384926319	13.83263588	0.291064322	935.3651733	0.415033638	307.1230774	0.00053863	0.00053863	7.78727E-06	0.016882824	0.006338299	0.620380521	0.033399872	2.10175E-05	76.48542786	0.000121107	0.001678584	0.001148223
2032 Jun	1846.073364	6.448805809	12.84486675	0.281866103	883.5903931	0.381598741	293.4205933	0.000589232	0.000589232	7.56288E-06	0.014938816	0.006129289	0.540051341	0.030645093	1.57264E-05	73.27346039	0.000111613	0.001712753	0.000937442
2032 Jul	1637.363525	4.951739788	10.09142017	0.232445911	800.7161865	0.31724444	260.7487488	0.000568367	0.000568367	6.38103E-06	0.012919024	0.005217328	0.44000262	0.024849443	1.10956E-05	64.76902771	9.62936E-05	0.001450454	0.000749597
2032 Aug	1891.118286	5.783158779	10.97299194	0.241599023	924.7490234	0.346384525	303.3754272	0.00051412	0.00051412	5.64028E-06	0.014449339	0.005311627	0.503531992	0.023429487	1.02665E-05	73.26570892	0.000106828	0.001295226	0.000853848
2032 Sep	1995.263672	6.12800312	11.45658302	0.249351323	973.6816406	0.360703319	321.8390198	0.000498937	0.000498937	5.50857E-06	0.015027774	0.005445631	0.529337943	0.023425777	1.01525E-05	77.17676544	0.000111418	0.001282115	0.000894049
2032 Oct	2021.130859	6.204931259	11.6000309	0.252353489	985.7958984	0.364741653	326.3556213	0.000496312	0.000496312	5.51817E-06	0.015145406	0.00550285	0.535207689	0.023555977	1.01457E-05	78.16486359	0.000112588	0.001293586	0.000901903
2032 Nov	2049.416504	6.321371078	11.81375504	0.256267369	998.1411133	0.369705677	331.0194092	0.000494061	0.000494061	5.54125E-06	0.015273123	0.005567726	0.542722344	0.023719311	1.01865E-05	79.17183685	0.000113915	0.001306306	0.000911439
2032 Dec	2065.413086	6.391190529	11.9578352	0.259036541	1004.755493	0.372707725	333.6288452	0.000491399	0.000491399	5.56096E-06	0.015311038	0.005611762	0.546787798	0.023828251	1.01971E-05	79.7241745	0.000114601	0.001318452	0.000915205
2033 Jan	2065.447998	6.390852928	11.95943546	0.259102255	1004.771362	0.372744501	333.627594	0.000491525	0.000491525	5.56371E-06	0.015309501	0.005613236	0.546771765	0.023836398	1.0199E-05	79.72615051	0.000114602	0.001319311	0.000915107
2033 Feb	2065.74292	6.391516209	11.96186256	0.259171605	1004.914612	0.37281391	333.6714783	0.000491661	0.000491661	5.56594E-06	0.015310762	0.005614774	0.546836317	0.023844028	1.02014E-05	79.73793793	0.000114619	0.001319946	0.000915179
2033 Mar	2067.756104	6.397610188	11.97391415	0.259441882	1005.894043	0.373186111	333.9946594	0.000492177	0.000492177	5.57215E-06	0.01532518	0.005620649	0.54736191	0.023869576	1.02118E-05	79.81587982	0.00011473	0.001321476	0.000916039
2033 Apr	2077.995605	6.42921257	12.03343201	0.260736704	1010.875122	0.37503913	335.6473999	0.000494634	0.000494634	5.60019E-06	0.015400781	0.005648712	0.55006814	0.023989094	1.02627E-05	80.21124268	0.000115298	0.001328159	0.000920557
2033 May	2199.245117	6.60031271	12.89718437	0.285621256	1065.593506	0.395110369	354.131958	0.000521391	0.000521391	6.33772E-06	0.015255468	0.006211362	0.562693357	0.026347833	1.08107E-05	84.79295349	0.000119245	0.001570584	0.00091578
2033 Jun	2254.432373	6.219827175	12.21700573	0.271166503	1079.578247	0.371168107	371.2723999	0.000524748	0.000524748	6.11019E-06	0.01427282	0.006218108	0.525206327	0.027924081	9.77105E-06	90.65567017	0.000115804	0.001528938	0.00090019
2033 Jul	2103.768555	5.433256149	10.30198002	0.230672166	1022.905701	0.331836939	345.3996277	0.000533363	0.000533363	5.3963E-06	0.014026158	0.005565336	0.480674654	0.026943084	8.7596E-06	86.08100128	0.000108451	0.001283389	0.000895997
2033 Aug	2220.973145	5.664129734	10.5681181	0.234674037	1080.506836	0.341979951	365.5362549	0.00052301	0.00052301	5.27366E-06	0.014518728	0.005680452	0.501032174	0.026701251	8.77058E-06	90.23191071	0.000112631	0.001260029	0.000929239
2033 Sep	2522.583496	6.357925892	11.54825592	0.248663366	1217.757568	0.366567045	419.0126953	0.000461997	0.000461997	4.88818E-06	0.015211759	0.005969528	0.546993554	0.024851494	8.59483E-06	100.3532867	0.000121291	0.001210601	0.000966028
2033 Oct	2755.182617	6.974234104	12.99037933	0.277805477	1316.85498	0.395206094	456.15979	0.000443643	0.000443643	5.27633E-06	0.015230821	0.006523547	0.579857588	0.025332533	8.94775E-06	107.7356949	0.00012752	0.001372099	0.000962118
2033 Nov	2761.972656	6.983436108	13.14757919	0.28287819	1319.683228	0.39861992	456.68927	0.000450246	0.000450246	5.45499E-06	0.0151504	0.006626273	0.580571771	0.025818903	9.08917E-06	107.9344177	0.000127845	0.001428464	0.000956845
2033 Dec	2762.738525	6.985224724	13.15266609	0.283011109	1320.049316	0.398764133	456.8090515	0.000450473	0.000450473	5.45873E-06	0.015153644	0.006629246	0.580728769	0.025832275	9.09344E-06	107.9642868	0.000127882	0.001429536	0.000957043
2034 Jan	2762.712891	6.98505497	13.15338707	0.283041686	1320.038696	0.398781955	456.8007507	0.000450542	0.000450542	5.46009E-06	0.015153075	0.006629897	0.580722451	0.025836136	9.09449E-06	107.9634933	0.000127883	0.00142994	0.000957001
2034 Feb	2762.745361	6.985082626	13.15397835	0.28306222	1320.055298	0.39879787	456.8040771	0.000450585	0.000450585	5.46088E-06	0.015153031	0.006630345	0.580728889	0.025838584	9.09519E-06	107.9648895	0.000127885	0.001430174	0.000956995
2034 Mar	2763.472412	6.986890316	13.15767765	0.283146054	1320.402954	0.398908824	456.9230957	0.000450724	0.000450724	5.46271E-06	0.015156897	0.00663229	0.580881357	0.02584655	9.09791E-06	107.9933548	0.00012792	0.001430668	0.000957238
2034 Apr	2773.610352	7.012505531	13.20608425	0.284190178	1325.247314	0.400375754	458.5987244	0.000452389	0.000452389	5.48298E-06	0.015212432	0.006656737	0.583012223	0.025942037	9.13147E-06	108.3895874	0.000128389	0.001435984	0.000960744
2034 May	2806.037354	7.076617241	13.51488876	0.293380409	1340.702759	0.408584148	463.2084045	0.000468409	0.000468409	5.78697E-06	0.015275482	0.006857269	0.589179814	0.026911961	9.42358E-06	109.6444092	0.000130066	0.001526088	0.000964063
2034 Jun	2596.739746	6.359186172	12.52139664	0.279105932	1238.36853	0.380990148	432.8395996	0.000507203	0.000507203	6.04653E-06	0.014214476	0.006678214	0.536234081	0.027971968	9.23746E-06	104.1887589	0.000121762	0.001571052	0.000899575
2034 Jul	2634.407959	6.30736208	11.63687038	0.252018094	1266.071167	0.365903199	438.0442505	0.000477472	0.000477472	5.08338E-06	0.01483773	0.006181198	0.538956821	0.025409058	8.46684E-06	104.89785	0.000121708	0.001267484	0.00094059
2034 Aug	2673.360107	6.352286816	11.62028217	0.251667589	1289.10791	0.369571656	443.6615295	0.000481868	0.000481868	5.03759E-06	0.015174151	0.006198616	0.547471046	0.025379572	8.50698E-06	106.1326218	0.000123462	0.001248326	0.000960418
2034 Sep	3027.263916	7.300776958	12.93774223	0.269598752	1449.284424	0.401603878	505.4734802	0.000415426	0.000415426	4.59146E-06	0.016240813	0.006543622	0.609928787	0.023830231	8.48829E-06	118.182869	0.00013494	0.001181008	0.001032023
2034 Oct	3316.812256	8.117014885	14.38033867	0.294157982	1576.605347	0.432988673	554.1553955	0.000376184	0.000376184	4.59523E-06	0.01683018	0.007006618	0.659547448	0.023576507	8.73676E-06	127.8705292	0.000144105	0.001234112	0.001073072
2034 Nov	3337.907227	8.174895287	14.53018093	0.297580928	1586.005859	0.436430126	557.390686	0.000378287	0.000378287	4.66946E-06	0.016866446	0.0070761	0.663385808	0.023815917	8.81914E-06	128.6045685	0.000144912	0.001258227	0.001075963
2034 Dec	3339.231201	8.178136826	14.53749752	0.297750324	1586.62915	0.436633468	557.6043091	0.000378507	0.000378507	4.67323E-06	0.016871952	0.007079902	0.663645685	0.023830516	8.82411E-06	128.6548767	0.00014497	0.001259326	0.001076315
2035 Jan	3339.554688	8.178866386	14.53946114	0.297796518	1586.775269	0.436679661	557.6546021	0.000378544	0.000378544	4.6743E-06	0.016872423	0.007080909	0.663695812	0.023833994	8.82528E-06	128.6663971	0.000144981	0.001259668	0.001076353
2035 Feb	3339.697021	8.179136276	14.54049206	0.297825933	1586.843506	0.436708152	557.6761475	0.000378597	0.000378597	4.67524E-06	0.016872829	0.007081578	0.663721144	0.023837147	8.82623E-06	128.6719818	0.000144988	0.00125994	0.001076377
2035 Mar	3340.347656	8.180703163	14.54359341	0.297894418	1587.153198	0.436800301	557.7835083	0.000378695	0.000378695	4.67659E-06	0.016876016	0.007083183	0.663850784	0.023843136	8.82833E-06	128.6971588	0.000145017	0.001260316	0.001076579
2035 Apr	3351.913574	8.209013939	14.59410477	0.298931837	1592.649048	0.438316762	559.7140503	0.00038002	0.00038002	4.69304E-06	0.016934393	0.007107837	0.666149616	0.023926457	8.85911E-06	129.1428375	0.00014552	0.001264754	0.001080302
2035 May	3406.389404	8.330534935	14.86819649	0.305392951	1618.51001	0.446218669	568.5708618	0.000389637	0.000389637	4.84273E-06	0.01716198	0.007259587	0.676280141	0.024516277	9.05743E-06	131.2405396	0.000147871	0.001307463	0.001094736
2035 Jun	2696.901611	6.265724659	12.50709915	0.281642973	1283.999512	0.381075025	452.6732483	0.000497526	0.000497526	6.11539E-06	0.013886704	0.006840033	0.532529593	0.027042937	9.17148E-06	107.6657028	0.000123021	0.001615779	0.000867327
2035 Jul	2302.910645	5.009194374	10.02341175	0.233393773	1111.573242	0.327180088	385.9993591	0.000529702	0.000529702	5.67763E-06	0.013049496	0.005929748	0.457751393	0.024965066	8.39584E-06	93.29477692	0.000109028	0.001410005	0.000789122
2035 Aug	2562.300781	5.334699154	10.29980183	0.234953851	1234.697021	0.338740021	431.5458069	0.000499478	0.000499478	5.32843E-06	0.013610574	0.006116403	0.485969514	0.02396863	8.30125E-06	102.6551819	0.000115619	0.001334767	0.000833613
2035 Sep	3798.469238	7.481201172	13.29604244	0.274854332	1798.822998	0.410058677	642.1881104	0.000392675	0.000392675	4.54944E-06	0.015732722	0.007430814	0.62360853	0.022241108	8.45703E-06	146.9769745	0.000146608	0.001210234	0.001007552
2035 Oct	4110.624023	8.030785561	14.27018547	0.29149732	1940.19165	0.431761056	693.2288818	0.000385945	0.000385945	4.65837E-06	0.016168006	0.007892904	0.656646669	0.022677587	8.72529E-06	158.0149231	0.00015433	0.001256955	0.001039462
2035 Nov	4114.861328	8.039895058	14.49543476	0.298343539	1940.962769	0.435043126	692.5046387	0.000389734	0.000389734	4.88557E-06	0.015917663	0.008018111	0.655181527	0.023260575	8.88064E-06	157.9154358	0.000154117	0.001333754	0.001025946
2035 Dec	4116.521973	8.043165207	14.50529766	0.298597902	1941.73877	0.435298264	692.7615356	0.000390077	0.000390077	4.8925E-06	0.015921231	0.008023919	0.655440748	0.023283981	8.88808E-06	157.9771118	0.000154181	0.001335844	0.001026189
2036 Jan	4116.368164	8.042877197	14.50618076	0.298636854	1941.668213	0.435317248	692.729126	0.000390161	0.000390161	4.89428E-06	0.015920239	0.008024627	0.655424178	0.023289049	8.88941E-06	157.9713593	0.000154179	0.001336376	0.001026121
2036 Feb	4116.224121	8.042603493	14.50649452	0.298655897	1941.602417	0.435324073	692.701355	0.000390213	0.000390213	4.89529E-06	0.015919603	0.008024952	0.655408263	0.023291921	8.89013E-06	157.9661102	0.000154177	0.001336674	0.001026075
2036 Mar	4116.190918	8.042543411	14.50682354	0.298669517	1941.588013	0.435332537	692.6939087	0.000390245	0.000390245	4.89589E-06	0.015919434	0.008025216	0.655406773	0.023293732	8.89062E-06	157.9649963	0.000154177	0.001336849	0.001026062
2036 Apr	4134.749023	8.082794189	14.57922173	0.300130367	1950.305664	0.437434465	695.8013306	0.00039184	0.00039184	4.91799E-06	0.015994713	0.00806203	0.658587635	0.023401041	8.93194E-06	158.6713409	0.000154896	0.001343067	0.001030962
2036 May	4207.313477	8.234995842	14.85982418	0.305933326	1984.458984	0.445650578	707.9439087	0.000398828	0.000398828	5.01402E-06	0.016283836	0.00821009	0.670785427	0.023847479	9.10032E-06	161.4431915	0.000157698	0.001369933	0.00104968
2036 Jun	3473.339355	7.073284626	13.30689335	0.284736693	1636.337036	0.402989417	590.2767944	0.000455499	0.000455499	5.47472E-06	0.014938647	0.007472695	0.588201225	0.024282755	8.99428E-06	136.2566528	0.000139969	0.001443165	0.000933916
2036 Jul	2691.510742	5.537589073	10.67986774	0.239392325	1277.499878	0.344576865	463.1385803	0.00049302	0.00049302	5.34323E-06	0.01371711	0.006318118	0.495081365	0.022537651	8.37288E-06	108.3402481	0.000119531	0.001333923	0.000818387
2036 Aug	2711.127197	5.65516758	10.7932148	0.240862459	1287.498047	0.350641429	467.8005371	0.000489558	0.000489558	5.27432E-06	0.014095139	0.006339892	0.507532775	0.022492614	8.4212E-06	109.259964	0.000121605	0.001316263	0.000843596
2036 Sep	2894.556396	6.435321808	11.73631096	0.251744092	1369.614502	0.375726819	502.2279663	0.000430407	0.000430407	4.75662E-06	0.01528147	0.00646717	0.561403215	0.021681473	8.35032E-06	116.0569916	0.000130404	0.001218799	0.000934382
2036 Oct	3065.712646	7.230904579	12.91138935	0.268727332	1444.769531	0.402691007	530.6504517	0.000393864	0.000393864	4.54809E-06	0.016268367	0.006687223	0.610522389	0.021726213	8.47479E-06	121.9150314	0.000138151	0.001192668	0.001005571
2036 Nov	3093.193115	7.339003563	13.16051483	0.273906887	1457.072021	0.4078134	534.1817627	0.000393607	0.000393607	4.63168E-06	0.01630762	0.006773155	0.6167006449	0.022033177	8.57233E-06	122.7044296	0.000139161	0.0012228	0.001010163
2036 Dec	3097.928223	7.361863136	13.22419834	0.275338173	1459.141602	0.40901953	534.6204834	0.000393678	0.000393678	4.66065E-06	0.016300261	0.006795757	0.617850602	0.022128128	8.5997E-06	122.8079376	0.000139324	0.001233019	0.001010279
2037 Jan	3097.922607	7.361786366	13.22595406	0.275402248	1459.143188	0.409061521	534.6084595	0.000393808	0.000393808	4.66324E-06	0.016299434	0.006797054	0.617852628	0.022135947	8.60182E-06	122.807457	0.000139327	0.001233789	0.001010223
2037 Feb	3098.108887	7.362156391	13.22765923	0.275453508	1459.233765	0.409109324	534.6352539	0.000393909	0.000393909	4.66498E-06	0.016300047	0.006798193	0.617890894	0.022141732	8.60355E-06	122.8149796	0.000139337	0.001234291	0.001010257
2037 Mar	3100.956787	7.368884563	13.24031639	0.275725693	1460.576782	0.409498096	535.1238403	0.000394314	0.000394314	4.67006E-06	0.016314827	0.006804842	0.618459523	0.022164524	8.61211E-06	122.9279556	0.000139466	0.001235659	0.001011171
2037 Apr	3109.009766	7.387998581	13.27498436	0.276452571	1464.37085	0.410568774	536.5119019	0.000395362	0.000395362	4.68264E-06	0.016357081	0.006822742	0.620066047	0.022223476	8.63486E-06	123.2472382	0.000139829	0.001239001	0.001013788
2037 May	3034.616943	7.161867142	13.6100111	0.294617414	1431.310547	0.417389244	519.9554443	0.000440745	0.000440745	5.6042E-06	0.015700683	0.007179255	0.606268644	0.024826126	9.28627E-06	120.3799286	0.000137922	0.001513407	0.000969831
2037 Jun	2435.658203	5.654017925	11.11650658	0.250190198	1138.943359	0.354772389	433.8102722	0.000480453	0.000480453	5.55165E-06	0.013909266	0.006406591	0.5042063	0.026328342	8.63309E-06	103.9748154	0.000119393	0.001450667	0.000887126
2037 Jul	2071.58252	4.647799492	8.854726791	0.201750785	969.2477417	0.309152544	380.6135254	0.000503468	0.000503468	4.91337E-06	0.013678757	0.005565446	0.449751705	0.02553173	7.85623E-06	93.57952118	0.000109097	0.001196021	0.000879008
2037 Aug	2149.596191	4.831557274	9.027695656	0.203805089	1002.977966	0.320743769	400.7146301	0.000480613	0.000480613	4.71747E-06	0.014265967	0.005663091	0.47378844	0.024918025	7.87936E-06	97.39144135	0.000113816	0.001164238	0.000917668
2037 Sep	2190.808105	4.934605122	9.134264946	0.205283761	1019.502625	0.327752918	413.1998596	0.000454497	0.000454497	4.55225E-06	0.014537902	0.005712028	0.487855881	0.024100695	7.8419E-06	99.42007446	0.000116404	0.001145102	0.000932016
2037 Oct	2176.75415	4.910632133	9.30982399	0.21173802	1011.770874	0.331829458	411.0675354	0.000448904	0.000448904	4.73988E-06	0.014296462	0.005811997	0.487017632	0.024105979	7.96506E-06	98.5677948	0.000115965	0.001218931	0.000908736
2037 Nov	2186.198975	4.937679768	9.430854797	0.215073794	1016.174683	0.334558934	412.034729	0.000452324	0.000452324	4.83879E-06	0.014276765	0.005875242	0.48886925	0.02437781	8.05303E-06	98.81494141	0.000116335	0.001249804	0.000907304
2037 Dec	2188.71167	4.944448948	9.443594933	0.215328559	1017.308838	0.334933579	412.4827576	0.000452491	0.000452491	4.84247E-06	0.014288686	0.00588114	0.489429623	0.024395121	8.05988E-06	98.91556549	0.00011645	0.001250941	0.000908097
2038 Jan	2188.807617	4.944643021	9.445065498	0.215374708	1017.357239	0.334969252	412.4908447	0.00045257	0.00045257	4.84409E-06	0.014288504	0.005882076	0.489447206	0.024399914	8.06131E-06	98.91845703	0.000116455	0.001251423	0.00090808
2038 Feb	2188.846436	4.944699764	9.4457798	0.215398505	1017.377747	0.334986806	412.492981	0.000452615	0.000452615	4.84498E-06	0.014288381	0.005882566	0.489453673	0.024402583	8.06208E-06	98.91963196	0.000116457	0.001251685	0.000908069
2038 Mar	2189.248779	4.945591927	9.447815895	0.215449005	1017.566101	0.335054725	412.5660095	0.000452719	0.000452719	4.8463E-06	0.014290802	0.005883858	0.489542484	0.024408292	8.0639E-06	98.9375	0.000116479	0.001252046	0.000908222
2038 Apr	2194.595947	4.957662582	9.47106266	0.215981469	1020.052307	0.335876733	413.5721436	0.000453837	0.000453837	4.85839E-06	0.014325592	0.00589835	0.490737557	0.024468604	8.08379E-06	99.1789856	0.000116763	0.001255178	0.000910432
2038 May	2212.455566	4.984654903	9.800251007	0.226906136	1029.4823	0.343959391	414.6086426	0.000474698	0.000474698	5.26394E-06	0.014269081	0.006122697	0.493786603	0.025675276	8.43587E-06	99.71372986	0.000117824	0.001374889	0.000905235
2038 Jun	1819.230835	3.93551445	8.440684319	0.207437113	840.2178345	0.302185386	349.465271	0.000534338	0.000534338	5.7481E-06	0.012507837	0.005771207	0.411845833	0.027653627	8.29765E-06	87.36339569	0.000103157	0.001465233	0.000802744
2038 Jul	1608.183472	3.35298419	7.083015919	0.176808834	742.6547852	0.272625834	315.0946045	0.000564871	0.000564871	5.40255E-06	0.012408834	0.005229422	0.376367599	0.027313257	7.84117E-06	80.86011505	9.64202E-05	0.00129696	0.000795011
2038 Aug	1679.880493	3.504360437	7.233669758	0.178683817	771.0248413	0.284181625	336.3276062	0.000537233	0.000537233	5.20708E-06	0.012901124	0.005335842	0.39943257	0.02641253	7.85228E-06	84.6732254	0.000100922	0.001270543	0.000825012
2038 Sep	1750.587036	3.675905466	7.390217781	0.179632246	797.5250854	0.295402259	357.9477539	0.000493421	0.000493421	4.90047E-06	0.013340561	0.005400333	0.423205167	0.024950406	7.75338E-06	88.22692108	0.000105127	0.00122428	0.000847693
2038 Oct	1770.999756	3.735834837	7.56286335	0.183644056	804.5542603	0.301478058	363.5677185	0.000484448	0.000484448	4.94221E-06	0.013395435	0.005479204	0.430394948	0.02460457	7.81851E-06	88.98900604	0.000106218	0.001248521	0.000841581
2038 Nov	1782.356201	3.765338421	7.636339664	0.185363933	809.6380005	0.303590655	365.5518188	0.000485986	0.000485986	4.98072E-06	0.013437622	0.005517543	0.43301481	0.0247389	7.86675E-06	89.44275665	0.000106756	0.001260445	0.000844351
2038 Dec	1784.244141	3.770452261	7.646888733	0.185582206	810.4648438	0.303905636	365.9022827	0.000486069	0.000486069	4.98418E-06	0.013445515	0.005522565	0.433465302	0.024752568	7.8724E-06	89.52002716	0.000106844	0.001261581	0.000844887
2039 Jan	1784.727905	3.771771431	7.65002346	0.185651571	810.6744995	0.303995758	365.9903259	0.000486095	0.000486095	4.98551E-06	0.013447096	0.005524095	0.433582783	0.024757018	7.87416E-06	89.53938293	0.000106866	0.00126202	0.000844997
2039 Feb	1784.949463	3.772360325	7.651495457	0.18568483	810.7671509	0.304040849	366.033844	0.000486107	0.000486107	4.98618E-06	0.013447845	0.005524863	0.433641136	0.024759267	7.87504E-06	89.5489502	0.000106877	0.001262243	0.00084505

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Mar	1786.276489	3.775228024	7.65747118	0.185828686	811.3659058	0.304270953	366.3048096	0.000486444	0.000486444	4.98993E-06	0.013457349	0.005529021	0.433965832	0.024777288	7.88086E-06	89.61470032	0.000106955	0.001263222	0.00084565
2039 Apr	1790.903931	3.785006285	7.677501678	0.186316684	813.4689331	0.305062503	367.2513733	0.000487713	0.000487713	5.0031E-06	0.013492028	0.005543458	0.435088664	0.024842093	7.90145E-06	89.84643555	0.000107232	0.00126657	0.000847829
2039 May	1804.705811	3.814348459	7.74397707	0.18798773	819.758728	0.307536215	370.0004578	0.000491675	0.000491675	5.0497E-06	0.013588326	0.005590033	0.438405901	0.025051812	7.96794E-06	90.5221405	0.000108047	0.001278914	0.000853859
2039 Jun	1725.382446	3.680378199	8.051150322	0.19755505	766.6867676	0.31122753	362.3555603	0.000521839	0.000521839	5.65965E-06	0.012854793	0.00575051	0.429596543	0.024255591	8.31324E-06	87.58070374	0.000106033	0.001418079	0.000765521
2039 Jul	1432.734131	2.851233006	6.528468132	0.168137029	632.1729126	0.272695631	315.2024231	0.000509292	0.000509292	5.29705E-06	0.011763375	0.005110293	0.372397691	0.021173671	7.6755E-06	75.88845825	9.48849E-05	0.001297357	0.000671615
2039 Aug	1416.594604	2.782061577	6.314094543	0.162866816	623.8393555	0.275945663	315.5432129	0.000513075	0.000513075	5.21031E-06	0.011784511	0.005073971	0.377955317	0.020872988	7.66591E-06	75.75711823	9.39249E-05	0.001249707	0.000681222
2039 Sep	1496.875488	2.975909948	6.529557705	0.165224925	655.7341919	0.288082629	336.5386353	0.000491583	0.000491583	5.0424E-06	0.012350509	0.005198096	0.40209955	0.020746384	7.69252E-06	80.16512299	9.86023E-05	0.001227013	0.000722094
2039 Oct	1537.532837	3.081150055	6.715754032	0.168719143	672.3404541	0.294816554	345.8867188	0.000480894	0.000480894	5.02399E-06	0.012548765	0.00529073	0.413069695	0.02087361	7.74085E-06	82.15737152	0.000100724	0.001239179	0.000736834
2039 Nov	1547.668213	3.106329203	6.762813091	0.169666022	676.6394043	0.296554744	348.0570374	0.000481634	0.000481634	5.03855E-06	0.012608876	0.005317413	0.415754199	0.020949939	7.77148E-06	82.64481354	0.000101277	0.001243617	0.000740831
2039 Dec	1549.178589	3.10995388	6.770436287	0.169834971	677.2908325	0.296828061	348.3714905	0.00048184	0.00048184	5.04206E-06	0.012617716	0.005321976	0.416145891	0.020965321	7.77717E-06	82.71688843	0.00010136	0.001244642	0.000741405
2040 Jan	1549.584473	3.111053467	6.77274704	0.169882074	677.4604492	0.296901196	348.4533997	0.000481832	0.000481832	5.04271E-06	0.012619304	0.005323111	0.416252464	0.020968445	7.7783E-06	82.73498535	0.00010138	0.001244889	0.000741528
2040 Feb	1549.902222	3.111862659	6.774329185	0.169913262	677.5881348	0.296960652	348.5259399	0.00048183	0.00048183	5.0431E-06	0.012620991	0.005323996	0.416344345	0.020970719	7.7792E-06	82.75102997	0.000101398	0.001245038	0.00074165
2040 Mar	1551.251343	3.114673853	6.780316353	0.170058101	678.1708374	0.297217935	348.8304138	0.000482189	0.000482189	5.04708E-06	0.012631461	0.005328492	0.416711003	0.020987669	7.78552E-06	82.8225708	0.000101484	0.001246047	0.000742279
2040 Apr	1555.527466	3.123356819	6.799003601	0.170520931	680.0327148	0.298034996	349.7945862	0.000483456	0.000483456	5.06049E-06	0.012665887	0.005343001	0.417864978	0.021043969	7.80649E-06	83.05067444	0.000101762	0.001249377	0.000744315
2040 May	1577.007813	3.168470621	7.035229206	0.177655667	690.7867432	0.303964764	352.206665	0.000495536	0.000495536	5.29782E-06	0.012683955	0.005490994	0.421791315	0.021808757	8.02701E-06	83.78363037	0.00010282	0.001320072	0.000745233
2040 Jun	1625.599609	3.302170753	9.002202034	0.241381928	729.1595459	0.334642261	332.57901	0.000572667	0.000572667	7.4755E-06	0.011099722	0.006545551	0.411284	0.028122779	9.61093E-06	81.02436066	0.000101381	0.002007187	0.000650299
2040 Jul	1749.949951	3.628178596	9.637084007	0.253658444	779.1959839	0.357535154	360.4060059	0.000568533	0.000568533	7.61149E-06	0.011706295	0.006880315	0.446782291	0.028918069	9.93243E-06	87.11919403	0.000108006	0.002062277	0.000695197
2040 Aug	1873.82251	3.951758146	10.1187706	0.260675699	826.8825684	0.37878564	391.2702332	0.000556436	0.000556436	7.556E-06	0.01247138	0.007136137	0.484921157	0.029181469	1.01228E-05	93.73695374	0.000115034	0.002058504	0.000750361
2040 Sep	1990.264038	4.265510082	10.56279278	0.266376406	870.7487183	0.398504347	420.7924194	0.000538244	0.000538244	7.44222E-06	0.013160933	0.007354738	0.521556616	0.029240558	1.02446E-05	99.98149872	0.00012152	0.002041117	0.000801841
2040 Oct	2015.099731	4.328598499	10.74349689	0.270781606	881.3042603	0.403938413	425.5127563	0.000540827	0.000540827	7.54487E-06	0.013234534	0.00745544	0.528008521	0.029616777	1.03642E-05	101.0757217	0.000122777	0.002075022	0.000807645
2040 Nov	2025.056396	4.352154255	10.79657173	0.271987438	885.4800415	0.405891508	427.6813354	0.000542092	0.000542092	7.5709E-06	0.013291153	0.007488344	0.530746877	0.029727906	1.04044E-05	101.5718842	0.00012335	0.002082939	0.000811409
2040 Dec	2026.436768	4.355553627	10.80268669	0.272103786	886.0352783	0.40614301	428.0071411	0.000542123	0.000542123	7.57227E-06	0.013299752	0.007491983	0.531150877	0.029736796	1.04082E-05	101.6440048	0.00012343	0.00208341	0.000811998
2041 Jan	2026.957275	4.356836319	10.80493069	0.272144288	886.2362061	0.406241566	428.1377258	0.000542112	0.000542112	7.5726E-06	0.013303045	0.007493347	0.5313133	0.029739689	1.04095E-05	101.6726151	0.000123462	0.002083548	0.00081223
2041 Feb	2027.236694	4.357474327	10.80629539	0.27217418	886.3467407	0.406299502	428.2063293	0.000542138	0.000542138	7.5732E-06	0.013304851	0.007494272	0.53139919	0.029742548	1.04106E-05	101.6881332	0.000123479	0.002083734	0.000812352
2041 Mar	2028.585938	4.360404015	10.81333637	0.272347629	886.9274902	0.406570435	428.4992676	0.00054246	0.00054246	7.57783E-06	0.01331374	0.007499144	0.531762898	0.029761197	1.04172E-05	101.7570419	0.000123562	0.002085022	0.000812904
2041 Apr	2032.771362	4.369431019	10.83542538	0.27289927	888.7475586	0.407408714	429.3924561	0.000543536	0.000543536	7.59296E-06	0.013341307	0.007514457	0.532870889	0.029821167	1.04383E-05	101.9683838	0.000123817	0.002089195	0.000814596
2041 May	2071.740723	4.459944248	10.99287319	0.275838375	903.6585693	0.415051252	439.60672	0.000544585	0.000544585	7.62673E-06	0.013621194	0.007622696	0.545434177	0.030074017	1.05514E-05	104.2272034	0.000126326	0.002100572	0.00083357
2041 Jun	2111.00708	4.547112465	12.05404186	0.309478015	924.319397	0.437262595	437.9291382	0.000579928	0.000579928	8.75097E-06	0.012978965	0.008247456	0.550791264	0.033408608	1.14286E-05	104.5810165	0.00012748	0.002460666	0.00079742
2041 Jul	2009.310059	4.302604675	12.22410488	0.321737379	888.3774414	0.427461207	404.3837891	0.0006001	0.0006001	9.3789E-06	0.011675085	0.00831164	0.51433593	0.034790717	1.16439E-05	97.64299011	0.000120269	0.002659537	0.000713808
2041 Aug	2095.724609	4.508704185	12.51467705	0.325803846	919.6416626	0.443983912	428.8571167	0.00059432	0.00059432	9.34282E-06	0.012333971	0.008512625	0.544211507	0.03503241	1.18103E-05	102.9315033	0.000125967	0.002654808	0.000759633
2041 Sep	2195.272949	4.756269932	12.71418571	0.325059921	952.3051758	0.461694956	460.6431274	0.000571986	0.000571986	9.06524E-06	0.013192253	0.008655955	0.582388043	0.034637313	1.1824E-05	109.5760345	0.000132808	0.002583856	0.000820979
2041 Oct	2233.232666	4.851082325	12.81426144	0.325523555	964.6081543	0.468987256	472.6893921	0.000563395	0.000563395	8.98227E-06	0.013493152	0.008724431	0.597098351	0.034553122	1.18446E-05	112.1012573	0.000135404	0.002565079	0.000843047
2041 Nov	2245.447998	4.87871933	12.87567043	0.326911539	969.5180664	0.4715285	475.6193237	0.000564889	0.000564889	9.01238E-06	0.013571446	0.008766104	0.600771487	0.034687974	1.18947E-05	112.7678223	0.000136169	0.002574219	0.000848246
2041 Dec	2247.685791	4.883974552	12.88375568	0.327043146	970.3543091	0.47195673	476.2285156	0.000564855	0.000564855	9.01276E-06	0.013588281	0.008771709	0.601515472	0.034697987	1.19E-05	112.9009781	0.000136315	0.002574428	0.000849394
2042 Jan	2248.25415	4.885275364	12.88617611	0.327091008	970.5713501	0.472072393	476.3778076	0.00056488	0.00056488	9.01346E-06	0.013592315	0.008773405	0.601700127	0.034702346	1.19019E-05	112.9341888	0.000136352	0.002574657	0.000849668
2042 Feb	2248.392578	4.885567665	12.88677883	0.327103615	970.6199341	0.472105026	476.4187622	0.000564886	0.000564886	9.01368E-06	0.013593373	0.008773893	0.601751149	0.034703672	1.19024E-05	112.9433289	0.000136362	0.002574733	0.000849741
2042 Mar	2249.51416	4.88800621	12.89281845	0.327251762	971.0890503	0.472341955	476.6726685	0.000565121	0.000565121	9.01754E-06	0.013600547	0.008778097	0.602069914	0.034719281	1.19079E-05	113.0025711	0.000136433	0.002575846	0.000850199
2042 Apr	2260.962402	4.912928581	12.95584869	0.328817934	975.9483032	0.474742174	479.1898499	0.000567715	0.000567715	9.05927E-06	0.013672227	0.008821468	0.605234623	0.034884494	1.19656E-05	113.5934601	0.000137138	0.002587808	0.000854728
2042 May	2291.378418	4.977072716	13.15718651	0.33425796	989.3012695	0.481656402	485.3040161	0.000577321	0.000577321	9.22199E-06	0.013835659	0.008959352	0.613162339	0.035475966	1.21579E-05	115.0843964	0.000138982	0.002634895	0.000864886
2042 Jun	2218.314697	4.785297394	13.41649818	0.348892868	967.137146	0.476194978	457.5731201	0.000610931	0.000610931	9.93968E-06	0.012822938	0.009106289	0.58307606	0.03724207	1.25209E-05	109.5863724	0.000133646	0.002850165	0.000796971
2042 Jul	2185.967773	4.687895298	13.57309914	0.357035905	955.1427002	0.476801008	447.4046631	0.000626638	0.000626638	1.0325E-05	0.012378669	0.009230476	0.572899044	0.038251664	1.27497E-05	107.6420975	0.000131837	0.002968718	0.000768146
2042 Aug	2228.816406	4.779000282	13.45134354	0.34908241	958.5072632	0.48794955	472.7742004	0.000592576	0.000592576	9.89451E-06	0.013018754	0.009243419	0.603131771	0.037288368	1.25699E-05	112.7154694	0.000136679	0.002856704	0.000816908
2042 Sep	2279.447021	4.887153149	13.53950691	0.34863922	971.7354126	0.500004828	492.7617493	0.000580212	0.000580212	9.76529E-06	0.01353812	0.009358945	0.627406299	0.03717773	1.26151E-05	116.9274368	0.000141044	0.00282631	0.000854313
2042 Oct	2288.296631	4.905724049	13.50414562	0.34660396	971.9489746	0.502419531	498.515686	0.00057187	0.00057187	9.65968E-06	0.013683031	0.009358021	0.634252787	0.036935668	1.25671E-05	118.0703049	0.000142123	0.002798805	0.00086538
2042 Nov	2299.964355	4.931283474	13.5505867	0.347513884	976.2612305	0.504894733	501.7778931	0.000572464	0.000572464	9.67324E-06	0.01377371	0.009393851	0.638263345	0.037024844	1.26059E-05	118.7950058	0.000142934	0.002803118	0.000871463
2042 Dec	2301.520996	4.934739113	13.55531025	0.347579062	976.7980347	0.5052163	502.2567444	0.000572396	0.000572396	9.67272E-06	0.013787146	0.009397818	0.63884449	0.037030224	1.26094E-05	118.8990097	0.000143047	0.002803037	0.00087238
2043 Jan	2301.938477	4.935666561	13.55588341	0.347570479	976.920105	0.505302131	502.4098816	0.000572308	0.000572308	9.67151E-06	0.013791458	0.009398555	0.639027476	0.037028775	1.26096E-05	118.9312744	0.000143081	0.002802718	0.000872682
2043 Feb	2302.019531	4.935822487	13.55631351	0.347581387	976.9498291	0.505323172	502.4328308	0.000572323	0.000572323	9.67181E-06	0.01379206	0.009398917	0.639056444	0.037030064	1.261E-05	118.9365845	0.000143087	0.002802809	0.000872723
2043 Mar	2302.503906	4.936852932	13.55930519	0.347659826	977.157959	0.505430996	502.5352173	0.000572456	0.000572456	9.67407E-06	0.013794842	0.009400981	0.639187634	0.037038498	1.26128E-05	118.9610977	0.000143117	0.002803462	0.000872898
2043 Apr	2313.259766	4.959911346	13.62272072	0.349286735	981.7240601	0.507793069	504.8811951	0.000575137	0.000575137	9.71937E-06	0.013859225	0.009444945	0.642172098	0.037211865	1.26719E-05	119.5165863	0.000143785	0.002816591	0.000876971
2043 May	2340.073486	5.014111519	13.84442902	0.355770826	994.3218384	0.514415383	509.2914124	0.000587608	0.000587608	9.93234E-06	0.013966757	0.009594331	0.648218811	0.037933644	1.28929E-05	120.6810989	0.000145328	0.002878168	0.000883205
2043 Jun	2203.342041	4.675631046	13.93288708	0.369152933	953.0479736	0.494856387	459.5096436	0.000633549	0.000633549	1.07542E-05	0.012400215	0.00959358	0.591069698	0.039749704	1.31758E-05	110.5423813	0.000135122	0.003115309	0.000775911
2043 Jul	2231.967773	4.726336002	13.95508766	0.368246764	958.781311	0.502913654	473.0020752	0.000626208	0.000626208	1.06696E-05	0.012763817	0.009671209	0.607367039	0.039678805	1.32108E-05	113.3907394	0.000138106	0.00309444	0.000801598
2043 Aug	2265.926758	4.790176868	13.94146538	0.365650356	965.3848267	0.511556923	489.3445129	0.000614557	0.000614557	1.05073E-05	0.013221845	0.009732916	0.626817405	0.039415579	1.32034E-05	116.7969513	0.000141606	0.003051123	0.000833935
2043 Sep	2326.787598	4.90893364	13.86113262	0.358842343	976.4968262	0.526080549	519.5289917	0.000588796	0.000588796	1.01272E-05	0.014084177	0.009804221	0.662413895	0.038685787	1.31217E-05	123.0200806	0.000147911	0.002947453	0.000894935
2043 Oct	2334.510742	4.915728092	13.82590675	0.35723573	975.6801758	0.529372871	525.8623047	0.000583019	0.000583019	1.0055E-05	0.014252673	0.009824526	0.670000374	0.038553424	1.31089E-05	124.3247757	0.000149226	0.00292882	0.000907102
2043 Nov	2313.117676	4.863595009	13.8496542	0.359693736	969.7498779	0.526146352	517.5030518	0.000591415	0.000591415	1.01985E-05	0.01399538	0.009826466	0.660384178	0.038869847	1.31621E-05	122.6267395	0.000147532	0.002969727	0.000889096
2043 Dec	2313.85498	4.865076065	13.8547039	0.359833479	970.0644531	0.526327908	517.6608276	0.00059166	0.00059166	1.02028E-05	0.013999456	0.009830095	0.660590172	0.038885348	1.31671E-05	122.665184	0.00014758	0.002970984	0.00088935
2044 Jan	2313.952637	4.865243435	13.85529423	0.359850109	970.1011353	0.52635169	517.6842041	0.000591745	0.000591745	1.02036E-05	0.014000363	0.009830727	0.660619915	0.038891349	1.31681E-05	122.6738281	0.000147588	0.002971178	0.000889454
2044 Feb	2314.682617	4.866753578	13.8594017	0.359954923	970.3982544	0.526515245	517.8533325	0.000591988	0.000591988	1.02069E-05	0.014005390	0.009833921	0.660833776	0.038908277	1.31724E-05	122.7176971	0.000147636	0.002972078	0.000889839
2044 Mar	2316.409912	4.870377541	13.86970806	0.360222578	971.1213379	0.526907563	518.2388306	0.00059247	0.00059247	1.02147E-05	0.014016049	0.009841349	0.661325395	0.038940229	1.31824E-05	122.8113403	0.000147747	0.002974317	0.000890551
2044 Apr	2320.868164	4.879747391	13.89638424	0.360915422	972.9898682	0.527921438	519.2358398	0.000593633	0.000593633	1.02345E-05	0.014043142	0.009860341	0.662597477	0.039016802	1.32078E-05	123.0488739	0.000148031	0.002980054	0.000892291
2044 May	2350.836182	4.94253397	14.07385921	0.365512997	985.4865723	0.534727871	525.9724121	0.000602407	0.000602407	1.03706E-05	0.014233595	0.009988981	0.671184421	0.039566446	1.33828E-05	124.6827621	0.000149969	0.003018449	0.000904696
2044 Jun	1853.095703	3.874291897	10.6528883	0.272693455	762.6583862	0.421884537	426.8962708	0.000623176	0.000623176	8.49925E-06	0.012950964	0.00785485	0.543298244	0.032493591	1.10507E-05	102.8003082	0.000123769	0.002252974	0.000776608
2044 Jul	1746.855103	3.639384747	9.847821236	0.250322133	712.1104736	0.397280067	408.6916809	0.000630987	0.000630987	8.05071E-06	0.012832837	0.007376111	0.519406736	0.030567298	1.0541E-05	98.56401825	0.000118811	0.002061704	0.000751809
2044 Aug	1759.936035	3.65802145	9.771619797	0.246923268	712.1428223	0.399414629	417.2186279	0.000626686	0.000626686	7.92652E-06	0.013101024	0.007379336	0.529339671	0.030305909	1.05073E-05	100.3540649	0.000120422	0.00202025	0.000769765
2044 Sep	1697.075806	3.50386405	9.00727272	0.223607868	672.0756836	0.383803278	416.9611816	0.000607221	0.000607221	7.27584E-06	0.013322037	0.006999124	0.526787102	0.028350003	9.95721E-06	100.0109329	0.000118354	0.001798459	0.000778595
2044 Oct	1674.330322	3.444789886	8.652125359	0.212432355	654.8138428	0.377838463	419.6325684	0.000599172	0.000599172	6.96327E-06	0.013580796	0.006838575	0.528874695	0.027497381	9.71729E-06	100.5046616	0.000118223	0.001689668	0.000789079
2044 Nov	1668.228149	3.431139231	8.597678185	0.210873857	651.6296387	0.37652725	418.8391418	0.000601168	0.000601168	6.93823E-06	0.013606351	0.006811271	0.527779281	0.027422713	9.69195E-06	100.3635635	0.000117976	0.001676261	0.0007886
2044 Dec	1669.228882	3.432987928	8.598959923	0.210863531	651.8830566	0.376724213	419.2344971	0.000601092	0.000601092	6.93659E-06	0.013618348	0.006813818	0.528253675	0.027423806	9.69385E-06	100.4492645	0.000118066	0.001675758	0.000789382
2045 Jan	1669.232544	3.432917118	8.598087311	0.210833743	651.8502197	0.376716375	419.266571	0.000601067	0.000601067	6.9357E-06	0.013619651	0.006813646	0.528288841	0.027424054	9.69337E-06	100.4576874	0.000118072	0.001675473	0.000789503
2045 Feb	1669.181274	3.432786226	8.597651482	0.210821867	651.8234253	0.376701981	419.2575989	0.000601083	0.000601083	6.93553E-06	0.013619591	0.006813517	0.528276205	0.027426641	9.69317E-06	100.4582596	0.000118069	0.001675406	0.000789554
2045 Mar	1670.107056	3.434684992	8.602397919	0.21093826	652.1843262	0.376910567	419.4893799	0.000601445	0.000601445	6.93952E-06	0.013627292	0.006817365	0.52856797	0.027444031	9.69867E-06	100.5154877	0.000118135	0.001676353	0.000790027
2045 Apr	1673.576294	3.441816807	8.620254517	0.211376131	653.5386963	0.377693266	420.3603821	0.000602712	0.000602712	6.95401E-06	0.013655684	0.006831565	0.529665291	0.027502283	9.71889E-06	100.7251511	0.000118381	0.001679845	0.000791688
2045 May	1696.51123	3.488982677	8.738382339	0.214272738	662.494751	0.382869184	426.1208801	0.000610981	0.000610981	7.04935E-06	0.013842874	0.006925205	0.536923647	0.027879745	9.85212E-06	102.1059036	0.000120003	0.00170287	0.000802546
2045 Jun	1611.596924	3.188347816	7.237463951	0.168103173	584.2827148	0.349811077	444.7098999	0.00056887	0.00056887	5.75095E-06	0.014883768	0.006310228	0.555137336	0.023549866	8.91433E-06	104.8690872	0.00012244	0.001266412	0.000854953
2045 Jul	1508.383057	2.939956903	6.442845821	0.146515876	532.5040283	0.323728889	428.0144348	0.000582133	0.000582133	5.36258E-06	0.014817188	0.005869438	0.533244014	0.021766087	8.47149E-06	100.9737625	0.000118104	0.001088869	0.000832742
2045 Aug	1527.322998	2.966023922	6.435192585	0.145422846	535.3917847	0.326789528	436.7968445	0.000583022	0.000583022	5.32514E-06	0.0150782	0.0059207	0.543753445	0.021791944	8.51514E-06	102.913414	0.000119926	0.001072277	0.000850471
2045 Sep	1526.110596	2.945525885	6.274784565	0.140172943	528.329834	0.324807525	442.3659668	0.000571654	0.000571654	5.1393E-06	0.015239492	0.005876764	0.54994005	0.021382662	8.39975E-06	104.0450134	0.000120533	0.00101939	0.000862788
2045 Oct	1541.8302	2.968754768	6.27666235	0.139531061	531.0776367	0.327304333	449.3757935	0.000568955	0.000568955	5.09764E-06	0.015452138	0.005917548	0.558310986	0.021387145	8.42186E-06	105.5679016	0.000122079	0.001007909	0.000876738
2045 Nov	1547.828369	2.979427099	6.293590546	0.139822572	532.8189697	0.328448206	451.4302368	0.000569374	0.000569374	5.10226E-06	0.015512945	0.005937467	0.560187897	0.021431493	8.44317E-06	106.0240936	0.000122583	0.001009026	0.000880688
2045 Dec	1549.668823	2.982569218	6.297645092	0.139873832	533.3039551	0.328780234	452.1068726	0.000569251	0.000569251	5.10148E-06	0.015531872	0.005943127	0.561637759	0.021439549	8.44808E-06	106.1712341	0.000122742	0.001008947	0.000881984
2046 Jan	1549.905396	2.982953072	6.298009872	0.139875427	533.3599243	0.328821033	452.1984253	0.000569251	0.000569251	5.10133E-06	0.015534621	0.005943879	0.561747849	0.021442154	8.44872E-06	106.192543	0.000122763	0.001008905	0.000882193

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Feb	1550.013672	2.983156204	6.298429966	0.13988477	533.3967285	0.328843653	452.2289429	0.000569325	0.000569325	5.10185E-06	0.015535869	0.005944377	0.5617854	0.021446235	8.44946E-06	106.2017059	0.000122772	0.001008998	0.000882296
2046 Mar	1551.657104	2.986315966	6.305096626	0.140032828	533.9620361	0.329192102	452.7078247	0.000569948	0.000569948	5.10735E-06	0.01555243	0.005950725	0.562380195	0.021470385	8.45851E-06	106.3152618	0.000122902	0.00101008	0.000883254
2046 Apr	1552.693726	2.988191128	6.308716297	0.140108064	534.2874146	0.329396427	453.0352783	0.000570204	0.000570204	5.10973E-06	0.015562925	0.00595455	0.562783599	0.021482768	8.46341E-06	106.3907166	0.000122988	0.001010574	0.0008839
2046 May	1554.272949	2.989650488	6.30778265	0.140032813	534.4644165	0.329565793	453.7173462	0.000572059	0.000572059	5.11648E-06	0.015595708	0.005962908	0.563594222	0.021589791	8.47619E-06	106.6190186	0.000123184	0.001010676	0.00088697
2046 Jun	1295.680176	2.418674469	4.893805981	0.105669096	427.1292725	0.268720865	390.8132019	0.000587973	0.000587973	4.56608E-06	0.014373486	0.005010279	0.484914273	0.018788511	7.51766E-06	92.69737244	0.000107992	0.000767943	0.00078569
2046 Jul	1063.727295	1.961261272	3.918507099	0.083988525	345.6201172	0.220971271	322.9057007	0.000620598	0.000620598	4.37513E-06	0.012874691	0.004208642	0.401346415	0.016776051	6.82493E-06	77.77507782	9.17976E-05	0.000631112	0.000662984
2046 Aug	1096.475464	2.002723694	3.944630384	0.083657041	351.2658691	0.225659192	336.9516602	0.000616432	0.000616432	4.32815E-06	0.013229012	0.004312296	0.41826877	0.016876953	6.90016E-06	80.83098602	9.47133E-05	0.000619518	0.000689778
2046 Sep	1151.382202	2.057429075	3.905613899	0.080553427	356.3881226	0.231589109	364.0359192	0.000585611	0.000585611	4.07349E-06	0.013847134	0.004459524	0.450554192	0.016703648	6.89051E-06	86.56775665	9.98819E-05	0.000574319	0.000740471
2046 Oct	1177.401855	2.079521656	3.859271049	0.078246817	357.4077148	0.234035596	377.9143677	0.000570758	0.000570758	3.93302E-06	0.014243924	0.004528246	0.466975987	0.016661521	6.8779E-06	89.57855225	0.000102642	0.000545571	0.000767478
2046 Nov	1185.826416	2.09035635	3.864916086	0.078130029	358.8097839	0.235209554	381.5624695	0.000569051	0.000569051	3.9171E-06	0.014350219	0.004554275	0.471354991	0.016691934	6.89378E-06	90.37875366	0.000103446	0.000542393	0.000774545
2046 Dec	1188.494141	2.094446182	3.8705194	0.078208402	359.4494019	0.235636175	382.5688782	0.000568669	0.000568669	3.91542E-06	0.014376585	0.004562824	0.472574919	0.016702732	6.90048E-06	90.59546661	0.00010368	0.000542427	0.000776439
2047 Jan	1188.76416	2.094833136	3.870949268	0.078212336	359.5075989	0.235676602	382.6744385	0.000568646	0.000568646	3.91524E-06	0.014379521	0.004563757	0.472701997	0.016706368	6.90119E-06	90.6202774	0.000103705	0.00054242	0.000776685
2047 Feb	1188.853638	2.094983339	3.871215582	0.078217722	359.5341797	0.235693812	382.7013245	0.00056874	0.00056874	3.91578E-06	0.014380829	0.004564223	0.472734779	0.016711507	6.90194E-06	90.62966156	0.000103713	0.000542495	0.000776804
2047 Mar	1190.969727	2.09870863	3.878093243	0.078356691	360.1739502	0.236113086	383.3815308	0.00056978	0.00056978	3.92289E-06	0.014406553	0.004572416	0.473574698	0.016743381	6.91435E-06	90.79238892	0.000103898	0.00054348	0.00077822
2047 Apr	1193.657837	2.103443384	3.88683939	0.078533411	360.9867554	0.236645877	384.2462463	0.000571082	0.000571082	3.93182E-06	0.014439141	0.004582775	0.474642754	0.016782386	6.93002E-06	90.99812317	0.000104133	0.000544718	0.000779996
2047 May	1187.213379	2.085074425	3.843351126	0.077536218	357.8200684	0.234709546	382.4907532	0.000582192	0.000582192	3.97095E-06	0.014463395	0.004586044	0.47235921	0.017497342	6.95644E-06	91.20561218	0.000103921	0.000546149	0.000790184
2047 Jun	1129.036377	1.906584501	3.38498354	0.066245258	324.7042542	0.214406773	372.5319519	0.000584938	0.000584938	3.78363E-06	0.014265652	0.004457461	0.458734363	0.019771803	6.7196E-06	91.19433594	0.000101624	0.000495268	0.000833545
2047 Jul	1163.178101	1.946380734	3.42847085	0.066592425	330.6477966	0.218826011	386.6535645	0.000592701	0.000592701	3.81612E-06	0.014730157	0.004577214	0.475949794	0.019857837	6.87153E-06	94.20909882	0.000105166	0.000492813	0.00085859
2047 Aug	1184.907959	1.968043566	3.444863319	0.0665126	333.6358643	0.221311539	396.2892456	0.000587426	0.000587426	3.78085E-06	0.014951002	0.004647913	0.48762539	0.019789487	6.91865E-06	96.18789673	0.000107125	0.000486991	0.000874005
2047 Sep	1226.863159	2.000004768	3.440418959	0.065361686	337.0215759	0.224899948	416.664978	0.000564265	0.000564265	3.62932E-06	0.015388838	0.004772539	0.512184024	0.01936545	6.94463E-06	100.2046051	0.000111069	0.000465146	0.000903669
2047 Oct	1252.619995	2.017680168	3.426702261	0.064355776	338.3972473	0.226764515	429.676239	0.000546859	0.000546859	3.51482E-06	0.015713207	0.004846598	0.527773321	0.01906395	6.9442E-06	102.7507782	0.000113714	0.00044854	0.00092238
2047 Nov	1251.61792	2.013041496	3.412205935	0.063988283	337.3827515	0.226369455	429.8317871	0.000546926	0.000546926	3.50862E-06	0.015735405	0.004843343	0.527935803	0.01902904	6.94042E-06	102.7776031	0.000113709	0.000445557	0.000922015
2047 Dec	1253.795532	2.016028404	3.416481018	0.064052239	337.854187	0.226681396	430.6746826	0.000546634	0.000546634	3.50762E-06	0.015757596	0.004850632	0.528959453	0.019036828	6.94639E-06	102.9576645	0.000113907	0.000445674	0.000923552
2048 Jan	1254.473145	2.016952991	3.417793751	0.064071812	338.0006104	0.226778314	430.9353943	0.000546587	0.000546587	3.50753E-06	0.015764713	0.004852999	0.529275596	0.01904233	6.94845E-06	103.0157166	0.000113968	0.000445739	0.000924078
2048 Feb	1254.789673	2.017455816	3.418635368	0.064087607	338.0858154	0.226835176	431.0419617	0.00054678	0.00054678	3.50868E-06	0.015768932	0.004854356	0.529406071	0.019051261	6.95045E-06	103.0443878	0.000113998	0.000445889	0.000924375
2048 Mar	1254.822144	2.017504692	3.418712378	0.064089067	338.0944824	0.226840854	431.0519409	0.000546824	0.000546824	3.50892E-06	0.01576947	0.004854552	0.529418051	0.019053986	6.95076E-06	103.0485001	0.000114001	0.000445922	0.000924434
2048 Apr	1259.101196	2.024338245	3.43024826	0.064304844	339.2404785	0.227608874	432.5223694	0.000548745	0.000548745	3.52112E-06	0.01582351	0.004871328	0.531222641	0.019125963	6.9747E-06	103.4053345	0.000114391	0.000447492	0.0009277
2048 May	1278.210449	2.055023909	3.48221302	0.065278545	344.3828735	0.231058583	439.0887756	0.000557088	0.000557088	3.57461E-06	0.016063759	0.004945365	0.539286554	0.019419555	7.08062E-06	104.9776611	0.000116127	0.00045301	0.000941854
2048 Jun	1067.510986	1.690573096	2.840283394	0.052902535	283.1973877	0.192451432	367.9972229	0.000593189	0.000593189	3.59458E-06	0.014433925	0.004218488	0.452893466	0.017230986	6.53769E-06	88.86936951	0.000100292	0.0003912	0.000797469
2048 Jul	874.2316284	1.367491961	2.288030148	0.042597074	229.5485077	0.159005687	300.9516296	0.000639432	0.000639432	3.69905E-06	0.012907008	0.003572519	0.371467203	0.015688794	6.10578E-06	74.01873779	8.51413E-05	0.00034326	0.000665334
2048 Aug	949.3916016	1.443631053	2.385092258	0.043768309	241.2181396	0.167264983	332.7562866	0.000616725	0.000616725	3.59411E-06	0.013583629	0.003834262	0.410000473	0.015809562	6.26552E-06	80.70407867	9.17608E-05	0.000340313	0.00072066
2048 Sep	1031.971069	1.52999711	2.495475292	0.045149975	254.3335876	0.176331133	367.4920654	0.000588833	0.000588833	3.46575E-06	0.014371039	0.004117769	0.452066898	0.015954493	6.42577E-06	88.02793121	9.92166E-05	0.000338638	0.000781501
2048 Oct	1068.15918	1.563254714	2.528867245	0.04539362	258.9486084	0.179724947	383.4586487	0.000570536	0.000570536	3.37411E-06	0.014747466	0.004240416	0.471297324	0.015968718	6.46762E-06	91.36598206	0.000102614	0.000334445	0.000808835
2048 Nov	1064.8573	1.556500554	2.514085054	0.045095555	257.6791687	0.179176286	382.4986877	0.000572879	0.000572879	3.38197E-06	0.014755129	0.004232744	0.470118612	0.016001187	6.46791E-06	91.21078491	0.000102375	0.00033323	0.000807115
2048 Dec	1065.579468	1.557431579	2.515461922	0.045118	257.8277283	0.17928037	382.7770081	0.000573019	0.000573019	3.38291E-06	0.014764262	0.004235471	0.47045815	0.016008515	6.47112E-06	91.27402496	0.000102444	0.000333356	0.000807661
2049 Jan	1065.547485	1.557381153	2.515357494	0.04511616	257.8195801	0.179277048	382.7631226	0.00057311	0.00057311	3.38334E-06	0.014764545	0.00423551	0.470441014	0.016012451	6.47143E-06	91.2742691	0.000102442	0.000333388	0.000807694
2049 Feb	1065.548462	1.557377338	2.515340567	0.045115873	257.8199158	0.179276928	382.7609558	0.000573169	0.000573169	3.38363E-06	0.014764806	0.004235656	0.470437795	0.016016953	6.4717E-06	91.27722931	0.000102442	0.00033343	0.000807765
2049 Mar	1066.240601	1.558385849	2.51696372	0.045145001	257.9874268	0.179393232	383.0082092	0.000573573	0.000573573	3.38599E-06	0.014774532	0.004238485	0.470741391	0.016029805	6.47605E-06	91.33808899	0.000102509	0.000333669	0.000808327
2049 Apr	1069.990356	1.563864946	2.525809765	0.045303669	258.8948059	0.180024058	384.3544312	0.000575609	0.000575609	3.39798E-06	0.01482657	0.004253436	0.472395837	0.016087577	6.4989E-06	91.66021729	0.00010287	0.000334855	0.000811192
2049 May	1084.137451	1.584205389	2.558409691	0.045887806	262.2795715	0.182383224	389.4091187	0.000584835	0.000584835	3.45082E-06	0.01503206	0.004312565	0.478604168	0.016379854	6.59243E-06	92.92745972	0.000104256	0.000340058	0.000823141
2049 Jun	877.3808594	1.25775218	2.020552635	0.036186241	208.7290497	0.147597581	315.1497803	0.000626785	0.000626785	3.54645E-06	0.013314822	0.003611947	0.388430685	0.014990122	6.0891E-06	76.66335297	8.79531E-05	0.000302028	0.000683711
2049 Jul	817.5371094	1.142635703	1.826463938	0.032569628	189.6933136	0.135505959	295.7801208	0.0006355	0.0006355	3.55009E-06	0.012817816	0.003415675	0.364856362	0.014338162	5.93886E-06	72.19133759	8.34748E-05	0.000284097	0.000643342
2049 Aug	857.5845947	1.184055328	1.887580276	0.033520721	196.3154449	0.140018404	312.2466431	0.000630567	0.000630567	3.53813E-06	0.013220333	0.003563772	0.384858489	0.014554876	6.06226E-06	75.74830627	8.71453E-05	0.000287554	0.000673648
2049 Sep	932.8392334	1.253767848	1.981805563	0.034850147	206.9671021	0.147260472	344.3963623	0.000600624	0.000600624	3.40829E-06	0.013928578	0.003831698	0.423765481	0.014765678	6.19759E-06	82.56583405	9.3981E-05	0.000289509	0.000730538
2049 Oct	958.8945923	1.272933006	2.000244379	0.035009112	209.5061951	0.149332181	356.1916199	0.000587159	0.000587159	3.34506E-06	0.014218059	0.00392794	0.437962621	0.01487485	6.23185E-06	85.11006927	9.64227E-05	0.000288329	0.000751228
2049 Nov	973.2449951	1.28766942	2.021049976	0.035325512	211.7920227	0.150872275	362.148468	0.000583785	0.000583785	3.33254E-06	0.014370537	0.003979916	0.445181668	0.014945722	6.2683E-06	86.39498901	9.77743E-05	0.000289417	0.000762144
2049 Dec	975.6098022	1.290328383	2.025068521	0.035390314	212.2177277	0.151147708	363.1004639	0.000583441	0.000583441	3.33165E-06	0.014395189	0.003988414	0.446338296	0.014957801	6.27523E-06	86.60015869	9.79972E-05	0.00028969	0.000763916
2050 Jan	975.7669067	1.29050684	2.02532196	0.035394471	212.2467346	0.151168391	363.1608276	0.000583521	0.000583521	3.3321E-06	0.014397479	0.003989131	0.44641158	0.014962707	6.27617E-06	86.6164093	9.80129E-05	0.000289749	0.000764086
2050 Feb	975.767395	1.29050374	2.025307655	0.035394236	212.2471313	0.151168332	363.1585693	0.000583575	0.000583575	3.33237E-06	0.014397708	0.003989263	0.446408331	0.01496686	6.27641E-06	86.61909485	9.80133E-05	0.000289788	0.000764151
2050 Mar	975.8702393	1.290637732	2.025512695	0.035397831	212.2696838	0.151184201	363.1955261	0.000583666	0.000583666	3.33287E-06	0.014399348	0.003989755	0.446453482	0.0149707	6.2772E-06	86.62966919	9.80238E-05	0.00028984	0.000764266
2050 Apr	978.4202271	1.294009209	2.030800581	0.035490252	212.8244476	0.151579201	364.1438293	0.000585208	0.000585208	3.34166E-06	0.014437042	0.00400022	0.447618991	0.015011108	6.29368E-06	86.85684967	9.828E-05	0.000290609	0.000766283
2050 May	989.6029053	1.308611035	2.053581715	0.035888541	215.238678	0.153301254	368.28302	0.000592965	0.000592965	3.38512E-06	0.014608094	0.004047864	0.45270434	0.015236167	6.37063E-06	87.88573456	9.94193E-05	0.000294467	0.000775854
2050 Jun	860.241272	1.113362789	1.739267945	0.030363612	183.7298126	0.132218957	320.1734314	0.000626737	0.000626737	3.49019E-06	0.0135107	0.003629381	0.394181907	0.015238767	6.08471E-06	77.99864197	8.90968E-05	0.000282522	0.000700967
2050 Jul	775.4758301	0.984466314	1.535013199	0.026802346	162.8081512	0.118943445	289.3362732	0.000639289	0.000639289	3.51353E-06	0.012681616	0.003337491	0.356702477	0.014426539	5.85815E-06	71.01406097	8.17679E-05	0.000263899	0.000637679
2050 Aug	480.7109375	0.583866239	0.907286167	0.016174024	99.84133911	0.081677526	178.4141998	0.000803998	0.000803998	4.2098E-06	0.008766847	0.002099364	0.219920173	0.011653775	5.64409E-06	45.98666382	5.12373E-05	0.000154778	0.000428875
2050 Sep	129.8263245	0.122050181	0.18348746	0.003938046	26.85240555	0.037537619	44.99150467	0.000958205	0.000958205	4.83175E-06	0.004138811	0.000632442	0.055551227	0.008356	5.17173E-06	15.97663784	1.52139E-05	3.54912E-05	0.000175069
2050 Oct	148.3657532	0.141600639	0.212754056	0.004418015	29.94897079	0.039587718	52.4994812	0.000956096	0.000956096	4.82821E-06	0.004357316	0.000703535	0.064682387	0.008503871	5.22966E-06	17.64418983	1.70458E-05	3.88482E-05	0.000189096
2050 Nov	155.2762756	0.148910269	0.223978847	0.004603159	31.12648201	0.040353611	55.29869461	0.000955686	0.000955686	4.8288E-06	0.004435788	0.000729599	0.068091787	0.008550929	5.25318E-06	18.25648117	1.77212E-05	3.99595E-05	0.000194397
2050 Dec	156.358139	0.150059655	0.225735649	0.004632068	31.31046104	0.040472634	55.73707581	0.000955552	0.000955552	4.82855E-06	0.004448149	0.00073371	0.068625912	0.008558227	5.25651E-06	18.35236359	1.78271E-05	4.01416E-05	0.000195222
2051 Jan	156.8930969	0.150608152	0.226573586	0.004645799	31.39813995	0.040527716	55.95529556	0.000955436	0.000955436	4.82817E-06	0.00445413	0.000735773	0.06889157	0.008562374	5.25793E-06	18.40044022	1.78797E-05	4.02398E-05	0.000195645
2051 Feb	156.9599457	0.150671124	0.226667017	0.004647364	31.4087677	0.040534891	55.98181915	0.000955471	0.000955471	4.82838E-06	0.004455038	0.000736081	0.068923697	0.008564494	5.25835E-06	18.40751457	1.78866E-05	4.02653E-05	0.000195722
2051 Mar	157.0045013	0.150713772	0.226729378	0.004648645	31.41777229	0.040546197	55.99725342	0.000955744	0.000955744	4.82975E-06	0.004456324	0.000736314	0.068942599	0.008567679	5.25984E-06	18.41321182	1.78917E-05	4.02845E-05	0.000195789
2051 Apr	157.3895264	0.151083305	0.227284268	0.004660023	31.49487114	0.040645514	56.13431549	0.000958088	0.000958088	4.8416E-06	0.004467264	0.000738134	0.069111302	0.008589119	5.27274E-06	18.45863724	1.79356E-05	4.03877E-05	0.000196276
2051 May	173.2033539	0.165916204	0.249653876	0.005030827	33.93131638	0.042223644	62.53358841	0.000961095	0.000961095	4.86266E-06	0.004676054	0.000806915	0.076900594	0.008913316	5.34592E-06	20.02375793	1.95777E-05	4.53302E-05	0.000211779
2051 Jun	225.1130676	0.210965753	0.314451933	0.00601904	40.59717941	0.043961603	83.03905487	0.000899289	0.000899289	4.57287E-06	0.005720705	0.001137153	0.102456331	0.011077692	5.22544E-06	25.90957451	2.69106E-05	9.55543E-05	0.000276974
2051 Jul	229.0119324	0.213567793	0.31855157	0.006089527	40.91477203	0.044192765	84.53727722	0.000903645	0.000903645	4.59608E-06	0.005942898	0.001175466	0.10456562	0.011186135	5.26141E-06	26.31586456	2.79168E-05	0.000102223	0.00027865
2051 Aug	243.2053986	0.226870447	0.338018745	0.006416122	43.03558731	0.046150785	90.29472351	0.000909106	0.000909106	4.62878E-06	0.006163865	0.001248719	0.111726239	0.01145253	5.34107E-06	27.726511	2.92348E-05	0.000107259	0.000289293
2051 Sep	253.4190063	0.238354519	0.351374686	0.006623412	44.44760895	0.047364689	94.53991699	0.0008943	0.0008943	4.55873E-06	0.006351303	0.001302448	0.117013961	0.011563574	5.30585E-06	28.72564888	3.02456E-05	0.000111853	0.000294927
2051 Oct	263.1758728	0.251918197	0.362763315	0.006784359	45.66082764	0.048609681	98.6292572	0.000863979	0.000863979	4.4109E-06	0.006622194	0.001365167	0.122148603	0.011698672	5.1916E-06	29.73728752	3.13436E-05	0.000118477	0.000298293
2051 Nov	270.6324768	0.259442687	0.37326175	0.006955839	46.77557755	0.049413338	101.7073441	0.000861691	0.000861691	4.40236E-06	0.006730911	0.001397076	0.125916854	0.011771825	5.20822E-06	30.43484497	3.21083E-05	0.000120333	0.000303805
2051 Dec	272.5284424	0.261238098	0.376019716	0.007001017	47.06209946	0.0495934	102.496521	0.000861243	0.000861243	4.40087E-06	0.006751658	0.001404252	0.126877278	0.011781157	5.21321E-06	30.60432816	3.22956E-05	0.000120613	0.000305251
2052 Jan	272.6078186	0.261315346	0.376128942	0.00700281	47.07441711	0.049601503	102.5281906	0.000861246	0.000861246	4.40091E-06	0.006752764	0.00140463	0.126915693	0.011783634	5.21351E-06	30.61276436	3.23038E-05	0.000120647	0.00030534
2052 Feb	272.6408081	0.261346549	0.37616843	0.007003556	47.08054352	0.049607266	102.5390396	0.000861371	0.000861371	4.40154E-06	0.006753667	0.001404876	0.126928806	0.011787518	5.21422E-06	30.61799622	3.23078E-05	0.000120685	0.000305415
2052 Mar	272.8137817	0.26151219	0.376403898	0.007007946	47.11064911	0.049638618	102.6032639	0.000861928	0.000861928	4.40439E-06	0.006757999	0.001405809	0.127008125	0.01179633	5.21758E-06	30.63825607	3.23283E-05	0.000120774	0.00030563
2052 Apr	273.1898193	0.26187253	0.376920938	0.007017576	47.1757164	0.049706966	102.7442245	0.000863122	0.000863122	4.41049E-06	0.00676734	0.00140777	0.127182513	0.01181333	5.22479E-06	30.68094826	3.23729E-05	0.000120948	0.000306063
2052 May	273.3856506	0.261612296	0.375542551	0.006996047	47.23442459	0.049644314	102.4969101	0.000869209	0.000869209	4.44061E-06	0.006817263	0.00142716	0.126854658	0.012328624	5.25228E-06	31.0209465	3.25265E-05	0.000126691	0.000313949
2052 Jun	260.2800598	0.24625653	0.349797279	0.006557876	44.95935059	0.047199354	96.10443115	0.000873268	0.000873268	4.45466E-06	0.006870875	0.001447787	0.119129941	0.013841685	5.21292E-06	30.84834671	3.20902E-05	0.000147299	0.000328003
2052 Jul	276.6425781	0.258575559	0.369305253	0.006890052	46.99927902	0.049011797	102.9846344	0.000883541	0.000883541	4.51251E-06	0.007144583	0.001530888	0.12763156	0.01406762	5.32714E-06	32.42476273	3.38646E-05	0.000151554	0.000340335
2052 Aug	291.0870056	0.270465285	0.387176186	0.007194151	48.96020126	0.050740208	108.971283	0.000892987	0.000892987	4.56537E-06	0.007365126	0.001599421	0.135010168	0.014312739	5.42874E-06	33.85560608	3.53055E-05	0.000155519	0.000352119
2052 Sep	304.6970825	0.282052189	0.403283387	0.007455354	50.64853287	0.052056432	114.8019409	0.000886858	0.000886858	4.54023E-06	0.007549022	0.001658079	0.142186001	0.014378266	5.4514E-06	35.13047028	3.66348E-05	0.000158564	0.000361071
2052 Oct	322.8339844	0.297612309	0.425919414	0.007823897	53.00296021	0.053634148	122.5458374	0.000880212	0.000880212	4.51432E-06	0.007775208	0.001730239	0.151630387	0.014457427	5.48898E-06	36.79433823	3.84805E-05	0.000161538	0.000374301
2052 Nov	327.3401489	0.301421374	0.43174547	0.007920304	53.61728287	0.05404295	124.4448395	0.000880329	0.000880329	4.5167E-06	0.007830119	0.00174807	0.153944045	0.01449301	5.50689E-06	37.21280289	3.89411E-05	0.00016231	0.00037793
2052 Dec	329.5290527	0.303251475	0.434571505	0.007966478	53.90900421	0.054222569	125.3776093	0.000879722	0.000879722	4.51455E-06	0.007853748	0.001756374	0.15507862	0.014501121	5.5124E-06	37.41077805	3.91605E-05	0.000162602	0.000379607

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Jan	330.1186523	0.303725898	0.435300589	0.00797839	53.98481369	0.054269135	125.6295013	0.000879576	0.000879576	4.51406E-06	0.007860251	0.001758668	0.155384868	0.014504658	5.51397E-06	37.46526337	3.92201E-05	0.000162695	0.000380081
2053 Feb	330.3132629	0.30388096	0.435530305	0.007982315	54.01103592	0.054289117	125.7093277	0.000879736	0.000879736	4.51493E-06	0.007863301	0.001759567	0.155482247	0.014509744	5.51549E-06	37.48565292	3.92411E-05	0.00016276	0.000380285
2053 Mar	330.5933838	0.304138601	0.435897559	0.007989052	54.05701828	0.054335106	125.815361	0.00088049	0.00088049	4.5188E-06	0.007870004	0.001761087	0.155613273	0.01452295	5.5202E-06	37.51800156	3.92745E-05	0.000162907	0.000380621
2053 Apr	331.4716492	0.304946572	0.437054455	0.008010257	54.20072937	0.054479431	126.1492844	0.000882834	0.000882834	4.53083E-06	0.00789093	0.001765782	0.156026214	0.01456205	5.53489E-06	37.61800003	3.93788E-05	0.000163345	0.00038164
2053 May	370.5549927	0.33115387	0.475945234	0.008632935	58.55580902	0.056502398	142.6192322	0.000871857	0.000871857	4.4914E-06	0.008362222	0.001954151	0.175934389	0.015775004	5.62958E-06	41.91220093	4.36104E-05	0.000180724	0.000429793
2053 Jun	362.7792969	0.315572798	0.449713647	0.0081508	56.24132538	0.052868705	138.7932281	0.000843916	0.000843916	4.34786E-06	0.008331541	0.002001572	0.171076939	0.017671317	5.45373E-06	42.52468872	4.36003E-05	0.000205782	0.000457994
2053 Jul	375.6635437	0.324684829	0.463753521	0.008396734	57.77687073	0.054156654	144.1526794	0.000859342	0.000859342	4.43003E-06	0.00859957	0.002065047	0.177734151	0.017913738	5.57958E-06	43.82363129	4.52345E-05	0.00021079	0.00046911
2053 Aug	407.2518921	0.348859578	0.500186145	0.009014171	61.78001022	0.057251237	157.4174042	0.000876713	0.000876713	4.52937E-06	0.009065334	0.002204772	0.193968892	0.018429134	5.78693E-06	46.96286011	4.85812E-05	0.000218958	0.000497205
2053 Sep	454.7192078	0.384349704	0.554671645	0.009914288	67.50204468	0.061050195	177.8244476	0.000875955	0.000875955	4.54488E-06	0.009639532	0.002394618	0.218838543	0.018764028	5.96951E-06	51.4245224	5.34775E-05	0.000226858	0.000535481
2053 Oct	483.2670288	0.405457526	0.587121785	0.010444244	70.83802032	0.063137494	190.2415619	0.00086822	0.00086822	4.51797E-06	0.009957341	0.002504172	0.233948529	0.018841036	6.04449E-06	54.03870392	5.63876E-05	0.000230369	0.000557122
2053 Nov	487.0640869	0.408277422	0.591164827	0.010509454	71.24676514	0.063417457	191.9232025	0.000866088	0.000866088	4.50891E-06	0.010002877	0.002518671	0.23599951	0.018830061	6.04925E-06	54.37887955	5.67733E-05	0.000230699	0.000559531
2053 Dec	488.2652893	0.409162611	0.592528105	0.010531668	71.38628387	0.063503586	192.4468536	0.000865702	0.000865702	4.50747E-06	0.010015966	0.002523241	0.236636564	0.018832248	6.05212E-06	54.48827744	5.68953E-05	0.000230836	0.000560431
2054 Jan	488.5614929	0.409367263	0.592838407	0.010536717	71.41868591	0.063523367	192.5761261	0.00086562	0.00086562	4.50719E-06	0.010019308	0.002524429	0.236793622	0.018834393	6.05289E-06	54.51651001	5.69257E-05	0.000230886	0.000560679
2054 Feb	488.6392822	0.409425139	0.592919827	0.010538119	71.42890167	0.063530907	192.6071167	0.000865705	0.000865705	4.50764E-06	0.010020642	0.002524853	0.236831218	0.018838326	6.05359E-06	54.52590561	5.69344E-05	0.000230931	0.000560789
2054 Mar	488.658844	0.40944168	0.592940986	0.010538502	71.43205261	0.06353347	192.6139984	0.000865754	0.000865754	4.50789E-06	0.010021098	0.002524992	0.236839518	0.018840332	6.05389E-06	54.528862	5.69367E-05	0.000230952	0.000560831
2054 Apr	489.7773438	0.410378933	0.594296813	0.010562601	71.59571838	0.063678913	193.0544128	0.000867743	0.000867743	4.51825E-06	0.010044067	0.002530794	0.237380967	0.018884171	6.06778E-06	54.6541214	5.70671E-05	0.000231487	0.000562126
2054 May	490.5810852	0.410730392	0.594131947	0.01056364	71.73526764	0.063775949	193.1548767	0.000874816	0.000874816	4.55365E-06	0.010095978	0.00254682	0.237492099	0.019248815	6.10352E-06	54.95338821	5.72504E-05	0.000235448	0.000567989
2054 Jun	435.2598572	0.36085847	0.516956985	0.009260725	63.76706696	0.057189535	169.3182983	0.00085939	0.00085939	4.45388E-06	0.009526129	0.002375274	0.208460778	0.019868787	5.80847E-06	50.49505615	5.23161E-05	0.000242746	0.000541224
2054 Jul	427.393219	0.350350559	0.502820194	0.009028357	61.9799614	0.056213707	166.5228119	0.000856979	0.000856979	4.43927E-06	0.009482973	0.0023467	0.205243468	0.019371597	5.77197E-06	49.53050232	5.17419E-05	0.00023898	0.000526915
2054 Aug	440.2106934	0.357560933	0.51354003	0.009210189	63.12256241	0.05745637	172.233902	0.000860586	0.000860586	4.46269E-06	0.009658715	0.002405876	0.212315053	0.019432278	5.84213E-06	50.77505493	5.29442E-05	0.000241207	0.000535031
2054 Sep	449.6044922	0.362955362	0.520900428	0.009332497	63.89827347	0.058300957	176.4809418	0.000859838	0.000859838	4.46296E-06	0.009787912	0.002446752	0.21757704	0.019423323	5.87719E-06	51.6689949	5.38281E-05	0.000242641	0.000540189
2054 Oct	452.2297058	0.364323318	0.521225274	0.009333797	63.89550018	0.05846557	177.8625946	0.000853479	0.000853479	4.43248E-06	0.009836912	0.002455726	0.219278306	0.019295517	5.85813E-06	51.87070465	5.40907E-05	0.00024183	0.000539383
2054 Nov	453.2998352	0.364916205	0.521443069	0.009336133	63.90796661	0.058543861	178.4118042	0.000851398	0.000851398	4.42259E-06	0.009858162	0.002459678	0.219955325	0.019253677	5.85277E-06	51.95769119	5.42007E-05	0.000241598	0.000539199
2054 Dec	456.0349731	0.366682321	0.524181783	0.009380736	64.18759918	0.058713887	179.6230774	0.000850599	0.000850599	4.41974E-06	0.009888146	0.00247021	0.22142829	0.01925949	5.85987E-06	52.2111702	5.44828E-05	0.000241909	0.000541305
2055 Jan	456.4223022	0.366926759	0.524555326	0.009386791	64.2261734	0.05873673	179.794632	0.000850468	0.000850468	4.41925E-06	0.00989236	0.002471737	0.221636593	0.019261423	5.86078E-06	52.24790955	5.45227E-05	0.000241964	0.000541623
2055 Feb	456.4249878	0.366928279	0.524552345	0.009386743	64.22694397	0.058736797	179.7942505	0.000850491	0.000850491	4.41937E-06	0.009892478	0.002471822	0.221635774	0.019263884	5.86089E-06	52.24967957	5.4523E-05	0.000241987	0.000541663
2055 Mar	456.5255432	0.367009401	0.524665296	0.009388771	64.24143219	0.058749769	179.8329468	0.000850694	0.000850694	4.42042E-06	0.009894714	0.002472408	0.221683294	0.0192695	5.86225E-06	52.26203918	5.45351E-05	0.000242053	0.000541804
2055 Apr	457.3781128	0.367694944	0.525643647	0.009406283	64.36160278	0.058859505	180.1682739	0.000852291	0.000852291	4.42871E-06	0.009913226	0.002477049	0.222096547	0.019306272	5.87323E-06	52.3601265	5.4637E-05	0.000242513	0.000542828
2055 May	461.3874207	0.370833457	0.530155361	0.009486524	64.90790558	0.059349172	181.766571	0.000859023	0.000859023	4.46386E-06	0.00999647	0.002498253	0.224064142	0.019462097	5.92122E-06	52.81231308	5.51109E-05	0.000244499	0.000547454
2055 Jun	418.7554932	0.327369839	0.469109684	0.008469528	57.58877182	0.053793598	164.9142761	0.00084302	0.00084302	4.3682E-06	0.00965684	0.002314154	0.20407109	0.017841194	5.6907E-06	48.1175766	5.20086E-05	0.000234323	0.000493491
2055 Jul	398.7008057	0.309383571	0.443217486	0.008052565	54.66337204	0.05200354	156.5057678	0.00085292	0.00085292	4.40981E-06	0.009556236	0.002241461	0.194091648	0.017449243	5.66417E-06	46.09477997	5.04974E-05	0.000232148	0.000471782
2055 Aug	412.0889282	0.317962706	0.45578602	0.008276424	56.14620972	0.053495068	162.1077423	0.000871099	0.000871099	4.50594E-06	0.009813549	0.002311765	0.201006874	0.017828807	5.80563E-06	47.54941177	5.20052E-05	0.000237331	0.00048497
2055 Sep	420.4695435	0.321847528	0.460720032	0.008356879	56.67546844	0.054126903	165.9955444	0.000868632	0.000868632	4.49728E-06	0.009916306	0.002347917	0.205796063	0.017824987	5.82878E-06	48.36946106	5.27598E-05	0.000238329	0.000489953
2055 Oct	429.114563	0.326899886	0.467794031	0.008473615	57.42998123	0.054704823	169.8622894	0.000867991	0.000867991	4.49772E-06	0.010034618	0.00238406	0.210509345	0.017881274	5.86083E-06	49.21396255	5.36795E-05	0.000239702	0.000496745
2055 Nov	435.5618286	0.330588281	0.473338455	0.008564086	58.00322723	0.055076763	172.7541199	0.000866509	0.000866509	4.49305E-06	0.01011066	0.002409788	0.214026794	0.017906325	5.87986E-06	49.8290062	5.43549E-05	0.000240533	0.000501842
2055 Dec	438.3283386	0.332138658	0.475741208	0.008602932	58.24661636	0.055219337	174.0015717	0.000865478	0.000865478	4.48908E-06	0.010140051	0.002420462	0.215541914	0.017910451	5.88613E-06	50.08848572	5.46409E-05	0.000240814	0.000504
2056 Jan	438.4793396	0.332229227	0.475868046	0.008605044	58.26123047	0.055229679	174.0668793	0.000865511	0.000865511	4.48931E-06	0.010142202	0.002421169	0.215621233	0.01791407	5.88689E-06	50.10473251	5.46572E-05	0.000240863	0.00050416
2056 Feb	438.5003052	0.332246006	0.475885272	0.008605368	58.26483917	0.055232406	174.0731201	0.000865586	0.000865586	4.48969E-06	0.010142808	0.002421379	0.215628535	0.017918065	5.88731E-06	50.10906601	5.46599E-05	0.000240904	0.000504233
2056 Mar	438.6326904	0.332346767	0.476025879	0.00860792	58.28287506	0.055249125	174.1245117	0.000865866	0.000865866	4.49113E-06	0.010145935	0.002422161	0.215691984	0.017925182	5.88917E-06	50.12524033	5.46765E-05	0.000240992	0.000504412
2056 Apr	439.6013184	0.333080977	0.477075428	0.008626902	58.41183472	0.055371162	174.5083923	0.000867788	0.000867788	4.5011E-06	0.010168378	0.002427539	0.216167375	0.017965723	5.90222E-06	50.23652649	5.47973E-05	0.000241534	0.000505541
2056 May	433.5798035	0.328395218	0.468399048	0.008484695	57.82546234	0.054796666	171.4013519	0.000876284	0.000876284	4.54052E-06	0.010143264	0.002428543	0.212298825	0.018702336	5.91521E-06	50.15184784	5.43E-05	0.000248519	0.000512795
2056 Jun	381.472168	0.287497312	0.403041691	0.007374784	51.55510712	0.049142752	148.0414886	0.000864763	0.000864763	4.46058E-06	0.009490818	0.002273369	0.183486864	0.020123223	5.64235E-06	46.37751007	4.91408E-05	0.00025923	0.000502191
2056 Jul	395.0159607	0.294305146	0.413398385	0.007563705	52.75348282	0.050389331	153.856369	0.000884447	0.000884447	4.56446E-06	0.009780121	0.002345728	0.190692335	0.020455919	5.79345E-06	47.83519363	5.08425E-05	0.000264581	0.000514984
2056 Aug	410.4443359	0.301728249	0.424609065	0.007759227	54.00442123	0.051705483	160.7086792	0.000894989	0.000894989	4.62362E-06	0.010018436	0.002420776	0.199110866	0.020682948	5.90846E-06	49.42447281	5.24583E-05	0.000268005	0.000527875
2056 Sep	427.8466187	0.311148643	0.4380849	0.007987538	55.49444962	0.052944779	168.4167328	0.000900861	0.000900861	4.66024E-06	0.010282658	0.002498695	0.208542839	0.020904852	6.00793E-06	51.1946106	5.43683E-05	0.000272098	0.000542859
2056 Oct	441.9323425	0.317053378	0.445881993	0.008106474	56.20209122	0.053438067	175.1902008	0.000887206	0.000887206	4.59841E-06	0.010424038	0.002547992	0.216764331	0.020707518	6.00189E-06	52.44687271	5.57738E-05	0.000271136	0.000550453
2056 Nov	448.0409546	0.319915414	0.449984819	0.008172006	56.60773468	0.053711463	178.032074	0.000884067	0.000884067	4.5854E-06	0.010492846	0.002571275	0.220219046	0.020684522	6.01223E-06	53.01638031	5.6407E-05	0.000271416	0.000554643
2056 Dec	449.9545593	0.320857018	0.451448172	0.008195683	56.75522232	0.053798649	178.9052734	0.000883438	0.000883438	4.58309E-06	0.010513858	0.00257875	0.221280277	0.020686964	6.01708E-06	53.19775772	5.66082E-05	0.000271609	0.000556138
2057 Jan	449.9934082	0.32088384	0.45147723	0.008196224	56.7598381	0.053803407	178.9201508	0.000883522	0.000883522	4.58352E-06	0.010514873	0.00257902	0.221298441	0.020690177	6.01763E-06	53.20334244	5.6613E-05	0.000271646	0.000556207
2057 Feb	450.0102234	0.320896745	0.451490283	0.008196473	56.76262665	0.053805519	178.9252167	0.000883581	0.000883581	4.58382E-06	0.010515357	0.002579188	0.221304387	0.020693338	6.01797E-06	53.20679474	5.66152E-05	0.000271678	0.000556264
2057 Mar	450.2690125	0.321081787	0.451747835	0.008201154	56.79563522	0.053836517	179.0272217	0.000884104	0.000884104	4.58653E-06	0.010521455	0.00258071	0.221430391	0.020706542	6.02149E-06	53.23819351	5.66478E-05	0.000271846	0.000556605
2057 Apr	451.3256226	0.321835548	0.452806711	0.00822038	56.92912292	0.053962883	179.4468384	0.000886186	0.000886186	4.59733E-06	0.010546174	0.002586789	0.221949294	0.02075588	6.03566E-06	53.36358261	5.67808E-05	0.000272491	0.000557922
2057 May	453.9450684	0.323521852	0.454718113	0.008258134	57.28369141	0.054279178	180.3384094	0.000895324	0.000895324	4.64381E-06	0.01062981	0.002609588	0.223041028	0.021104164	6.08894E-06	53.81574249	5.71646E-05	0.000276439	0.000564562
2057 Jun	391.9417419	0.277062535	0.385113537	0.007089972	49.83994675	0.048263114	153.4579315	0.000882179	0.000882179	4.55269E-06	0.009901779	0.00236989	0.190325186	0.020845182	5.77836E-06	48.06177521	5.12535E-05	0.000272322	0.000519351
2057 Jul	397.9829407	0.277801931	0.386796206	0.007131338	50.00177002	0.048646186	156.2229004	0.000896119	0.000896119	4.62501E-06	0.01008973	0.002404565	0.193845361	0.02089853	5.87336E-06	48.68059158	5.22533E-05	0.000275033	0.000523188
2057 Aug	424.3520813	0.29286918	0.408587456	0.007517981	52.61431122	0.051003393	167.369873	0.000927749	0.000927749	4.79358E-06	0.010598942	0.002541789	0.207557544	0.021706538	6.13213E-06	51.61305237	5.54002E-05	0.000286503	0.000551633
2057 Sep	451.6687927	0.304990947	0.426713675	0.007816689	54.50983047	0.052363139	179.8515015	0.000925827	0.000925827	4.79578E-06	0.010944624	0.002655738	0.222773194	0.021853101	6.23653E-06	54.30332565	5.83274E-05	0.000290597	0.000573783
2057 Oct	477.2229004	0.315311104	0.442241073	0.008062737	56.01542282	0.053252533	191.8416901	0.000912067	0.000912067	4.73836E-06	0.011211637	0.00275266	0.237330899	0.021760063	6.27765E-06	56.70075607	6.09825E-05	0.000291683	0.000592161
2057 Nov	482.9537048	0.317831725	0.446043402	0.008124704	56.40498734	0.053506441	194.4742889	0.000910879	0.000910879	4.73491E-06	0.011280484	0.002775886	0.24053368	0.021778828	6.29579E-06	57.25748444	6.15966E-05	0.000292386	0.000596744
2057 Dec	484.50354	0.318502575	0.447083741	0.008141535	56.50986099	0.053569011	195.1881409	0.000910427	0.000910427	4.73333E-06	0.011297955	0.002782045	0.241401359	0.021781871	6.30066E-06	57.40659714	6.17614E-05	0.000292553	0.000597979
2058 Jan	485.0566406	0.318722695	0.447427541	0.008146998	56.54389191	0.053586822	195.4455109	0.000910169	0.000910169	4.73229E-06	0.011303625	0.002784202	0.241713524	0.021782244	6.30113E-06	57.45972061	6.18194E-05	0.000292602	0.000598421
2058 Feb	485.1725769	0.318765253	0.447490662	0.008148009	56.5509758	0.053590372	195.4983368	0.000910146	0.000910146	4.73222E-06	0.011304946	0.00278472	0.241777375	0.021784322	6.3015E-06	57.47213364	6.18318E-05	0.000292631	0.000598545
2058 Mar	485.2973633	0.318834484	0.447588384	0.008149737	56.56314087	0.053600606	195.5507355	0.000910291	0.000910291	4.733E-06	0.011307332	0.002785389	0.241841599	0.021789046	6.30269E-06	57.48661041	6.18468E-05	0.000292694	0.000598697
2058 Apr	486.0016174	0.319297254	0.448236734	0.008161544	56.64536667	0.053678367	195.834137	0.000911618	0.000911618	4.73989E-06	0.011323757	0.002789448	0.242191985	0.021821268	6.31186E-06	57.57040024	6.19365E-05	0.000293124	0.000599575
2058 May	515.3027344	0.326465309	0.458690405	0.008317548	57.88348389	0.053876948	209.4057007	0.000899136	0.000899136	4.69027E-06	0.011630469	0.002925015	0.258527458	0.022498852	6.37294E-06	60.85881042	6.51232E-05	0.000302188	0.000634797
2058 Jun	495.3307495	0.293177187	0.407721967	0.007400622	52.63358307	0.047790684	202.0507813	0.000834769	0.000834769	4.36142E-06	0.01106381	0.002862236	0.248922795	0.023248756	5.98377E-06	59.82603073	6.29315E-05	0.000307007	0.000644371
2058 Jul	502.5409546	0.295241416	0.41109702	0.007470036	53.02137756	0.048347205	205.2497711	0.000849287	0.000849287	4.43702E-06	0.011258585	0.002902694	0.252945423	0.023385642	6.08545E-06	60.59798431	6.39956E-05	0.000310243	0.000650296
2058 Aug	524.7039185	0.304753155	0.42521897	0.007715938	54.63546753	0.049841229	215.1275177	0.0008634	0.0008634	4.51688E-06	0.011613088	0.003009829	0.265049785	0.023788491	6.24573E-06	62.94784546	6.64801E-05	0.000316491	0.000671107
2058 Sep	536.5714722	0.308180958	0.429065078	0.00777571	54.95959854	0.050346229	220.9874878	0.000855621	0.000855621	4.48355E-06	0.011751648	0.003052876	0.272215337	0.023572639	6.26061E-06	64.01029205	6.76425E-05	0.000315218	0.000675995
2058 Oct	549.3803101	0.312290877	0.434134364	0.007853811	55.3993721	0.050777256	227.2501831	0.000846262	0.000846262	4.44271E-06	0.011896698	0.003098651	0.27983579	0.023377083	6.27131E-06	65.16153717	6.89541E-05	0.000314107	0.000682454
2058 Nov	552.9954224	0.313709795	0.436135411	0.007886766	55.60670853	0.050941221	228.9302368	0.000845851	0.000845851	4.44224E-06	0.011944778	0.003113614	0.281883508	0.023386551	6.2846E-06	65.51635742	6.93478E-05	0.000314531	0.000685219
2058 Dec	553.8310547	0.31402421	0.436619639	0.007894576	55.65473938	0.050970629	229.3202515	0.000845591	0.000845591	4.44131E-06	0.01195432	0.003116928	0.282357782	0.023386721	6.28687E-06	65.59676361	6.94373E-05	0.000314606	0.000685865
2059 Jan	554.0744629	0.314111203	0.43675223	0.007896672	55.66798019	0.050977688	229.4342651	0.000845481	0.000845481	4.44087E-06	0.011956872	0.003117895	0.282496005	0.023387214	6.28736E-06	65.62056732	6.94629E-05	0.000314629	0.000686065
2059 Feb	554.0803833	0.314115763	0.436753809	0.00789671	55.66925812	0.050978366	229.4351349	0.000845514	0.000845514	4.44103E-06	0.011957079	0.003117994	0.28249678	0.023389699	6.28753E-06	65.62261963	6.94636E-05	0.000314653	0.000686107
2059 Mar	554.0827026	0.314117968	0.436754227	0.007896723	55.66991043	0.050978709	229.4352112	0.000845532	0.000845532	4.44112E-06	0.011957183	0.003118044	0.282496721	0.023391053	6.28762E-06	65.62366486	6.9464E-05	0.000314666	0.00068613
2059 Apr	555.0377197	0.314659864	0.437506229	0.007910323	55.76610565	0.051066652	229.8301544	0.000846998	0.000846998	4.44882E-06	0.011977823	0.00312344	0.282982916	0.023432085	6.2985E-06	65.73721313	6.95837E-05	0.000315215	0.000687323
2059 May	557.3391724	0.314453721	0.436371863	0.007892753	55.84261322	0.051010631	230.6550293	0.000852489	0.000852489	4.47698E-06	0.012036366	0.003148412	0.283934563	0.023913572	6.3328E-06	66.27002716	6.99262E-05	0.000320283	0.000696714
2059 Jun	527.2485352	0.29414019	0.403903365	0.007345485	52.84190369	0.048248474	216.8005219	0.000853209	0.000853209	4.46733E-06	0.011665546	0.003057583	0.266848832	0.024817666	6.20852E-06	64.07956696	6.68966E-05	0.000326784	0.000691344
2059 Jul	549.4521484	0.304592639	0.418747932	0.007615794	54.70403671	0.049988907	226.2657318	0.000883633	0.000883633	4.62829E-06	0.012134671	0.003179338	0.278513521	0.02560023	6.44599E-06	66.64351654	6.97197E-05	0.000338072	0.000716955
2059 Aug	573.2518311	0.315612763	0.434422135	0.007894529	56.63000488	0.051730689	236.5646057	0.000907915	0.000907915	4.75934E-06	0.012576832	0.003303895	0.29115063	0.02632774	6.66043E-06	69.33459473	7.25604E-05	0.000348328	0.000743356
2059 Sep	585.3255005	0.319514185	0.4393062	0.007977622	57.15274048	0.05235571	242.2587891	0.000908829	0.000908829	4.76929E-06	0.012756733	0.003355849	0.298126906	0.026345672	6.71695E-06	70.53705597	7.38704E-05	0.000349714	0.00075175
2059 Oct	573.4576416	0.310989171	0.423012614	0.007692657	55.13314438	0.051450521	238.0980377	0.000881979	0.000881979	4.6312E-06	0.012542745	0.003278131	0.293053508	0.025311707	6.54572E-06	68.92230988	7.22768E-05	0.000337021	0.000726755
2059 Nov	577.4949951	0.311826557	0.423797548	0.00770341	55.17134476	0.051544104	240.1511841	0.000878084	0.000878084	4.61368E-06	0.012587324	0.003291509	0.295553833	0.025205432	6.54513E-06	69.26885223	7.26859E-05	0.000336186	0.000728116

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Dec	578.7845459	0.312225372	0.424433023	0.00771349	55.23152161	0.051576324	240.7627258	0.000877531	0.000877531	4.6115E-06	0.012601131	0.003296514	0.296296865	0.025202049	6.54797E-06	69.39194489	7.28239E-05	0.000336262	0.000729087
2060 Jan	578.8217163	0.31224525	0.424451888	0.007713853	55.23495102	0.05158009	240.7775269	0.000877604	0.000877604	4.61187E-06	0.012602077	0.003296772	0.296314925	0.025205052	6.54847E-06	69.39735413	7.28286E-05	0.000336296	0.000729153
2060 Feb	578.8575439	0.312266439	0.4244757	0.007714297	55.23921204	0.051583547	240.7906952	0.000877687	0.000877687	4.6123E-06	0.012602959	0.00329705	0.29633081	0.025209047	6.549E-06	69.40312958	7.28332E-05	0.00033634	0.000729236
2060 Mar	579.022522	0.312356412	0.424595356	0.007716477	55.25540924	0.051598392	240.8583832	0.000877953	0.000877953	4.61369E-06	0.012606606	0.003298029	0.296413958	0.025217552	6.55093E-06	69.42371368	7.2854E-05	0.000336448	0.000729464
2060 Apr	580.4420166	0.313119173	0.425631583	0.0077353	55.39041901	0.051724073	241.4490814	0.000880089	0.000880089	4.62492E-06	0.012637402	0.003306113	0.297140718	0.025279539	6.56691E-06	69.59405518	7.30324E-05	0.000337273	0.000731257
2060 May	573.1769409	0.305764377	0.413364798	0.007524376	54.42604065	0.050544508	237.9389343	0.000880187	0.000880187	4.62197E-06	0.012531744	0.003300518	0.292679191	0.026076227	6.53425E-06	69.45654297	7.23192E-05	0.000344155	0.000740374
2060 Jun	514.1505127	0.272777408	0.363025874	0.006669656	49.39263535	0.046019439	211.106369	0.00086745	0.00086745	4.53282E-06	0.011695475	0.003075003	0.259718508	0.026522493	6.22475E-06	64.22631836	6.59829E-05	0.000342941	0.000708349
2060 Jul	531.6096191	0.280651987	0.373828977	0.006873502	50.83517838	0.04749259	218.444809	0.000898331	0.000898331	4.69405E-06	0.012110956	0.003177919	0.268797696	0.027281877	6.44506E-06	66.33533478	6.83114E-05	0.00035363	0.000730058
2060 Aug	543.9518433	0.283844233	0.378356546	0.006958032	51.37231445	0.048379827	224.1774597	0.000907623	0.000907623	4.74591E-06	0.012310423	0.003238607	0.275890648	0.027406607	6.54366E-06	67.63289642	6.96028E-05	0.000356281	0.000739311
2060 Sep	536.9645386	0.275225073	0.365099549	0.006727234	49.59996414	0.047854926	222.3436127	0.000884309	0.000884309	4.62774E-06	0.012091719	0.003180459	0.273804724	0.026259173	6.41173E-06	66.43032837	6.82452E-05	0.000343794	0.000715649
2060 Oct	549.6782837	0.27719748	0.367006034	0.006750428	49.6177063	0.048008148	228.9056396	0.000870235	0.000870235	4.56364E-06	0.012219797	0.00321985	0.281788081	0.025853204	6.40188E-06	67.48246002	6.95437E-05	0.000340404	0.000719283
2060 Nov	552.7379761	0.277480781	0.367012858	0.006747906	49.55867004	0.048027035	230.5486908	0.000865641	0.000865641	4.54224E-06	0.012248589	0.003227951	0.283787549	0.025707079	6.39411E-06	67.71338654	6.98454E-05	0.000339047	0.000719393
2060 Dec	555.4766846	0.278226823	0.368219286	0.006767027	49.67196655	0.048085064	231.8530579	0.000864576	0.000864576	4.53816E-06	0.012278562	0.003238721	0.285372704	0.025702028	6.40074E-06	67.9774704	7.01425E-05	0.000339236	0.000721503
2061 Jan	556.0950317	0.278381497	0.368469387	0.006770928	49.69522858	0.048095413	232.1489105	0.000864289	0.000864289	4.537E-06	0.01228505	0.003241148	0.285731733	0.02570108	6.40202E-06	68.03746796	7.02092E-05	0.000339277	0.00072199
2061 Feb	556.1757202	0.278399736	0.368494779	0.006771318	49.69853973	0.048096381	232.1861115	0.000864274	0.000864274	4.53696E-06	0.012285951	0.003241535	0.285776466	0.025703335	6.40228E-06	68.04679108	7.02179E-05	0.000339305	0.000722092
2061 Mar	556.2783203	0.278446406	0.368555248	0.006772414	49.70706177	0.048103891	232.2292328	0.000864409	0.000864409	4.53767E-06	0.012288039	0.003242138	0.285829216	0.025708551	6.40334E-06	68.0597229	7.02306E-05	0.000339369	0.000722238
2061 Apr	557.5777588	0.279097587	0.369415402	0.006788224	49.82348633	0.048216358	232.7711029	0.000866438	0.000866438	4.54832E-06	0.012316778	0.003249737	0.286496013	0.025769467	6.41834E-06	68.21923065	7.03946E-05	0.00034017	0.000723938
2061 May	557.2421875	0.273753464	0.360612392	0.006632806	49.18538666	0.04715813	232.5330963	0.000864406	0.000864406	4.53783E-06	0.012287972	0.003271093	0.286002845	0.0265633	6.40504E-06	68.74760437	7.04629E-05	0.000347608	0.000738736
2061 Jun	505.8638	0.241835326	0.314531356	0.005832198	44.19556427	0.042186897	209.9261322	0.00082905	0.00082905	4.33972E-06	0.011423463	0.00304846	0.258138537	0.026298966	6.02245E-06	63.82238007	6.48577E-05	0.000339626	0.000704226
2061 Jul	523.8182373	0.248033002	0.323262513	0.005998873	45.33827591	0.043455474	217.7705078	0.00085545	0.00085545	4.47906E-06	0.011818437	0.003149545	0.267828286	0.026900165	6.22527E-06	65.90965271	6.71919E-05	0.000348495	0.000724316
2061 Aug	548.5292969	0.257078886	0.33584848	0.006225105	46.9357338	0.044969741	228.6913757	0.000878173	0.000878173	4.6029E-06	0.012268439	0.0032796	0.28121087	0.027635429	6.43761E-06	68.73274994	7.01474E-05	0.000358813	0.000751897
2061 Sep	568.3109131	0.261784285	0.342819601	0.006339388	47.61221313	0.045563061	238.1556396	0.000875153	0.000875153	4.59677E-06	0.012518403	0.003361084	0.292765468	0.027613984	6.50913E-06	70.6750412	7.23016E-05	0.000360524	0.000766375
2061 Oct	570.2988892	0.258382291	0.336128086	0.006211929	46.50592804	0.045058291	240.399231	0.000846621	0.000846621	4.45637E-06	0.012451586	0.003336126	0.295487016	0.026557241	6.38831E-06	70.34858704	7.22532E-05	0.000348991	0.000752348
2061 Nov	572.5427246	0.257889658	0.334746987	0.006184833	46.24905777	0.044995524	241.8344116	0.000838831	0.000838831	4.41882E-06	0.012460437	0.003336403	0.297237068	0.026261199	6.36283E-06	70.42550659	7.24316E-05	0.00034592	0.000749551
2061 Dec	574.3936157	0.258324564	0.335454911	0.006196	46.3139534	0.045028415	242.7224274	0.000838116	0.000838116	4.41608E-06	0.012480913	0.003343701	0.298316568	0.026256593	6.3674E-06	70.60447693	7.26336E-05	0.000346037	0.000750964
2062 Jan	575.3710938	0.258535385	0.33580327	0.006201424	46.34557343	0.045042042	243.1927032	0.000837693	0.000837693	4.41442E-06	0.012491379	0.003347559	0.29888767	0.026254691	6.3696E-06	70.69956207	7.27399E-05	0.000346102	0.000751729
2062 Feb	575.5838013	0.258584529	0.335876226	0.006202604	46.35389709	0.045046415	243.2920532	0.000837682	0.000837682	4.41446E-06	0.012494056	0.003348526	0.299008161	0.02625804	6.37045E-06	70.72251892	7.27637E-05	0.000346153	0.000751949
2062 Mar	576.0038452	0.258765727	0.336111307	0.006206919	46.38649368	0.045077179	243.4705811	0.000838247	0.000838247	4.41744E-06	0.012502861	0.003350949	0.299227118	0.026277037	6.37488E-06	70.77415466	7.28163E-05	0.000346401	0.000752502
2062 Apr	577.4279175	0.259406269	0.336941719	0.006222257	46.50149918	0.04518874	244.0718842	0.000840329	0.000840329	4.42842E-06	0.012533807	0.003359259	0.299966037	0.026342854	6.39068E-06	70.94963837	7.29964E-05	0.000347266	0.000754376
2062 May	581.6552124	0.261248589	0.339350641	0.006266537	46.83061218	0.045504909	245.8717194	0.000846076	0.000846076	4.45882E-06	0.012623199	0.003383455	0.302176535	0.026525533	6.43557E-06	71.46367645	7.35271E-05	0.000349694	0.000759788
2062 Jun	513.2929077	0.228638709	0.296667397	0.005571532	41.41530991	0.041769546	215.7859344	0.000844172	0.000844172	4.42119E-06	0.011838666	0.003050881	0.275831641	0.023166511	6.15466E-06	63.54877472	6.68233E-05	0.000326135	0.000674076
2062 Jul	482.6302185	0.212306052	0.275666416	0.005236967	38.74114609	0.040181667	202.4247284	0.000850347	0.000850347	4.4396E-06	0.011525903	0.002905119	0.250033498	0.023156935	6.06518E-06	59.95626068	6.39207E-05	0.000314911	0.000633418
2062 Aug	491.6647034	0.212076992	0.275693119	0.005242238	38.69682693	0.04074705	207.0175018	0.000852295	0.000852295	4.45369E-06	0.011619785	0.002945442	0.255713314	0.02302001	6.11702E-06	60.81024551	6.46475E-05	0.00031363	0.000636651
2062 Sep	498.1559143	0.211687133	0.27365911	0.005202615	38.36761093	0.040853955	210.6623077	0.000841034	0.000841034	4.40087E-06	0.01166373	0.002961754	0.260167867	0.022646384	6.09438E-06	61.29831314	6.51407E-05	0.000309845	0.000635463
2062 Oct	483.3148804	0.203645796	0.255963027	0.00488741	36.15133667	0.03997945	205.3858185	0.00080312	0.00080312	4.20642E-06	0.011368864	0.002858136	0.253658354	0.02130706	5.85774E-06	59.22961426	6.29913E-05	0.000292285	0.000603452
2062 Nov	485.8942566	0.204241022	0.256245911	0.00489266	36.18628311	0.040107641	206.6539764	0.000803015	0.000803015	4.2071E-06	0.011413242	0.002869027	0.255208969	0.021294186	5.86877E-06	59.48654175	6.32765E-05	0.000292315	0.000604888
2062 Dec	488.2449036	0.204733565	0.257052332	0.004905311	36.26146698	0.040141791	207.7819061	0.00080217	0.00080217	4.20394E-06	0.011439355	0.002878507	0.256579041	0.021294704	5.87488E-06	59.71855545	6.35344E-05	0.000292525	0.000606798
2063 Jan	489.0498657	0.204892561	0.257312417	0.004909353	36.28591919	0.040151678	208.1684113	0.000801867	0.000801867	4.20279E-06	0.011448164	0.00288178	0.25704813	0.021295926	5.8769E-06	59.79880905	6.36225E-05	0.000292605	0.000607473
2063 Feb	489.2030029	0.204926565	0.257360607	0.004910144	36.29190826	0.040154982	208.2393494	0.00080188	0.00080188	4.20292E-06	0.011450205	0.00288251	0.25713408	0.021299301	5.87761E-06	59.81595612	6.36399E-05	0.000292652	0.000607645
2063 Mar	489.276123	0.204958424	0.257398218	0.004910866	36.29782867	0.040161114	208.269516	0.000802014	0.000802014	4.20362E-06	0.011451961	0.002882979	0.257171154	0.021303786	5.87855E-06	59.82567596	6.36494E-05	0.000292708	0.000607756
2063 Apr	489.9332275	0.205234468	0.257743478	0.004917456	36.34687042	0.040215142	208.5486755	0.0008031	0.0008031	4.20931E-06	0.01146737	0.002886873	0.257515758	0.021333151	5.88648E-06	59.90647888	6.37349E-05	0.000293108	0.000608584
2063 May	482.8136597	0.202861384	0.25319764	0.004844305	36.1521225	0.03989654	204.7727966	0.000811558	0.000811558	4.24793E-06	0.011407398	0.002876599	0.252833158	0.021953575	5.89331E-06	59.59297562	6.30362E-05	0.000298524	0.000613089
2063 Jun	384.099823	0.162478566	0.195361346	0.003857284	30.29535294	0.03376903	158.7533264	0.00079569	0.00079569	4.125E-06	0.009973206	0.002474918	0.196381778	0.022338985	5.39316E-06	50.31680679	5.23645E-05	0.000293286	0.000553103
2063 Jul	380.4858093	0.158392012	0.191096351	0.003793953	29.63305092	0.033435762	157.4533997	0.000799979	0.000799979	4.14529E-06	0.009973418	0.002453502	0.194943145	0.021917762	5.40349E-06	49.72822952	5.22189E-05	0.000290089	0.000543576
2063 Aug	402.0916748	0.164437279	0.199280247	0.003946262	30.71204185	0.034636598	167.1881866	0.000820324	0.000820324	4.25614E-06	0.01037507	0.002567787	0.206896603	0.022501918	5.59332E-06	52.19387054	5.48262E-05	0.000298649	0.000566699
2063 Sep	423.6791687	0.168076217	0.204640433	0.004033982	31.21904945	0.03524467	177.6566162	0.000816764	0.000816764	4.24826E-06	0.010634339	0.002657278	0.219697416	0.022451039	5.67132E-06	54.3293457	5.70905E-05	0.000300183	0.000581932
2063 Oct	438.3771973	0.170149878	0.207005054	0.004064198	31.31538963	0.035372242	185.1130371	0.000803104	0.000803104	4.18707E-06	0.010775415	0.002706981	0.228744626	0.022146763	5.67161E-06	55.63825989	5.85924E-05	0.000297803	0.000589063
2063 Nov	443.807251	0.171171099	0.208411127	0.004086196	31.44124985	0.035472203	187.7559204	0.00080111	0.00080111	4.1796E-06	0.010840483	0.002728621	0.231958956	0.022126677	5.68584E-06	56.16835785	5.91854E-05	0.000298026	0.000592989
2063 Dec	445.7160339	0.171546042	0.209005743	0.004095682	31.49852943	0.035503816	188.6703339	0.000800664	0.000800664	4.17824E-06	0.010863366	0.002736558	0.233070895	0.022131361	5.69198E-06	56.35997391	5.9398E-05	0.000298247	0.000594578
2064 Jan	446.9508362	0.171755552	0.209354624	0.004101052	31.53000832	0.035515606	189.2673035	0.000800177	0.000800177	4.17637E-06	0.010876857	0.002741546	0.233795643	0.022131409	5.69502E-06	56.48255157	5.95336E-05	0.000298351	0.000595589
2064 Feb	447.2885132	0.171816915	0.209447578	0.00410255	31.54022598	0.03552096	189.4272156	0.00080015	0.00080015	4.17639E-06	0.010881124	0.002743054	0.233989805	0.022135381	5.69634E-06	56.51844025	5.95717E-05	0.000298422	0.000595919
2064 Mar	447.6922302	0.171961144	0.209624901	0.004105972	31.56669807	0.035549413	189.6004333	0.000800773	0.000800773	4.17966E-06	0.010890293	0.002745459	0.234203085	0.02215405	5.70101E-06	56.56881714	5.96243E-05	0.000298673	0.00059645
2064 Apr	448.3500061	0.172213107	0.209931225	0.004111968	31.61306763	0.035601281	189.8788605	0.000801944	0.000801944	4.18577E-06	0.010906235	0.002749501	0.234546855	0.022187015	5.70935E-06	56.65219879	5.97118E-05	0.000299114	0.000597334
2064 May	455.198761	0.171299487	0.208009213	0.004072841	31.66788101	0.035146188	192.8778839	0.000801206	0.000801206	4.18483E-06	0.01096837	0.002797133	0.238024011	0.022919394	5.73217E-06	57.8055687	6.0508E-05	0.000306464	0.000615957
2064 Jun	421.737915	0.153376952	0.181999102	0.003607968	29.24878883	0.031701464	177.2314911	0.000779076	0.000779076	4.05927E-06	0.010336988	0.002673562	0.218475997	0.023796646	5.47766E-06	55.17166901	5.67252E-05	0.000310345	0.000612089
2064 Jul	434.2297974	0.155338079	0.185198009	0.003677139	29.65159035	0.03242889	182.9924622	0.000796453	0.000796453	4.15158E-06	0.010603572	0.002741703	0.225608379	0.02403765	5.61689E-06	56.54451752	5.83405E-05	0.000314466	0.000623391
2064 Aug	448.3877869	0.156963766	0.188159272	0.003733345	29.93940353	0.033097409	189.8457184	0.000802122	0.000802122	4.18642E-06	0.01079748	0.002807725	0.234015077	0.024056518	5.70787E-06	57.96882629	5.98137E-05	0.000315265	0.000633182
2064 Sep	469.770813	0.158775777	0.190497905	0.003763581	29.92957687	0.033509344	200.8295898	0.000785338	0.000785338	4.11298E-06	0.010993141	0.002879106	0.247461259	0.023463314	5.72515E-06	59.81017303	6.1848E-05	0.000310884	0.000640147
2064 Oct	495.449585	0.163056999	0.196635157	0.003859389	30.45943642	0.033898722	213.3558197	0.000776301	0.000776301	4.07968E-06	0.011301869	0.002981565	0.262701869	0.023364052	5.79473E-06	62.31789398	6.46843E-05	0.000312051	0.000658832
2064 Nov	503.6507263	0.164505228	0.198945716	0.003896502	30.68466949	0.034024216	217.2856598	0.0007749	0.0007749	4.07639E-06	0.011403392	0.003016283	0.267482966	0.023396105	5.82367E-06	63.15062332	6.56089E-05	0.000313158	0.000665834
2064 Dec	504.8172607	0.164703667	0.199263483	0.003901533	30.71434021	0.034039918	217.8478241	0.000774604	0.000774604	4.07545E-06	0.011417363	0.003021114	0.268166661	0.023397794	5.82734E-06	63.26752853	6.57394E-05	0.000313282	0.000666792
2065 Jan	505.6315613	0.164826944	0.199471653	0.003904714	30.73244858	0.034046065	218.2432556	0.000774277	0.000774277	4.07419E-06	0.011426307	0.00302439	0.268646866	0.023397034	5.82933E-06	63.34812927	6.58292E-05	0.000313344	0.000667449
2065 Feb	505.9226074	0.16487509	0.199544206	0.003905897	30.74045181	0.034050655	218.381424	0.00077427	0.00077427	4.07428E-06	0.011430122	0.003025698	0.268814832	0.023400372	5.83055E-06	63.37909317	6.58625E-05	0.000313406	0.00066773
2065 Mar	506.3807983	0.165022746	0.19972235	0.003909373	30.76807404	0.034080777	218.5792847	0.000774955	0.000774955	4.07789E-06	0.01144035	0.003028437	0.269058168	0.023421764	5.83575E-06	63.43664169	6.59219E-05	0.00031369	0.00066834
2065 Apr	507.6860657	0.16544874	0.200237051	0.00391945	30.84759331	0.034168709	219.1423798	0.000776958	0.000776958	4.08843E-06	0.011469861	0.003036258	0.269751251	0.023482628	5.85082E-06	63.60046005	6.60918E-05	0.000314503	0.000670071
2065 May	519.6791992	0.166005224	0.200556234	0.003920576	31.10139084	0.033973776	224.5996552	0.000778345	0.000778345	4.10045E-06	0.011622178	0.003104453	0.276270062	0.0241485	5.90683E-06	65.21607971	6.75158E-05	0.000322012	0.000691061
2065 Jun	465.6039734	0.14890039	0.175832614	0.003500686	28.64769363	0.031318106	198.9958801	0.000774914	0.000774914	4.05903E-06	0.010873467	0.002881954	0.244912311	0.024332775	5.65545E-06	60.04470062	6.16684E-05	0.000319064	0.000656281
2065 Jul	483.9380798	0.152660385	0.181003645	0.003608208	29.38158226	0.032269433	207.2509003	0.000800619	0.000800619	4.19529E-06	0.011284146	0.0029844	0.255120844	0.024876842	5.85866E-06	62.17546082	6.41442E-05	0.000327851	0.000676219
2065 Aug	509.5284119	0.157869741	0.188050628	0.003739322	30.3097744	0.033359569	219.0704193	0.000817814	0.000817814	4.29238E-06	0.011719102	0.003114193	0.269611657	0.025417304	6.0519E-06	65.03922272	6.71617E-05	0.000336325	0.00070212
2065 Sep	518.1642456	0.157416672	0.186076313	0.003695872	29.80222511	0.033416636	224.1447296	0.000797129	0.000797129	4.19386E-06	0.011751638	0.003124585	0.275822282	0.02460028	5.99582E-06	65.48843384	6.77933E-05	0.000328004	0.000695993
2065 Oct	515.8582153	0.155445725	0.179026917	0.003565425	28.6655674	0.033349287	224.4337921	0.000768128	0.000768128	4.04925E-06	0.011657838	0.003074427	0.276183754	0.023305429	5.85471E-06	64.60163879	6.71555E-05	0.00031294	0.000673305
2065 Nov	518.593811	0.155853376	0.178752065	0.003560428	28.59958458	0.033472717	225.9100952	0.000765561	0.000765561	4.03782E-06	0.01169907	0.003082126	0.277992725	0.023166809	5.85546E-06	64.80913544	6.74304E-05	0.000311593	0.000672848
2065 Dec	519.5062256	0.155984089	0.178962514	0.003563707	28.61813545	0.033482052	226.353241	0.000765285	0.000765285	4.03687E-06	0.011709848	0.003085864	0.278531641	0.023166511	5.85815E-06	64.90006256	6.75324E-05	0.000311673	0.000673577
2066 Jan	520.8268433	0.156151235	0.179253489	0.003568107	28.64280319	0.033488598	226.9963226	0.000764778	0.000764778	4.03494E-06	0.011724476	0.003091227	0.279312611	0.023166066	5.8615E-06	65.03172302	6.7679E-05	0.000311783	0.000674658
2066 Feb	521.109314	0.156209692	0.179327428	0.003569439	28.65343475	0.03349771	227.1255798	0.000764938	0.000764938	4.03586E-06	0.011729179	0.003092692	0.279470146	0.023174277	5.86347E-06	65.06468201	6.77129E-05	0.000311897	0.000674991
2066 Mar	521.8078613	0.156420961	0.179567546	0.003574224	28.69248199	0.033542849	227.428894	0.000765981	0.000765981	4.04136E-06	0.01174496	0.00309688	0.279843181	0.023206811	5.87141E-06	65.152771	6.78037E-05	0.000312329	0.000675918
2066 Apr	522.7271729	0.156697646	0.179883793	0.003580522	28.74340057	0.033602085	227.8289642	0.000767341	0.000767341	4.04853E-06	0.011765688	0.003102361	0.280335337	0.023248542	5.8818E-06	65.26806641	6.79232E-05	0.000312887	0.000677122
2066 May	524.7997437	0.15746963	0.180556193	0.003595958	28.91787338	0.033786435	228.6119995	0.000773621	0.000773621	4.08063E-06	0.011829588	0.003119564	0.281296492	0.023484223	5.91998E-06	65.61184692	6.82282E-05	0.000315627	0.000681839
2066 Jun	445.6210327	0.134502977	0.151417971	0.003117324	25.48370361	0.030654093	191.5804749	0.000777084	0.000777084	4.06307E-06	0.01082518	0.002763323	0.236359403	0.022459432	5.60056E-06	57.17602921	5.99635E-05	0.000301356	0.000607883
2066 Jul	462.5698242	0.136178598	0.154488534	0.003193054	25.87528992	0.031448893	199.4285736	0.00080388	0.00080388	4.20444E-06	0.011230634	0.002855884	0.246135786	0.022762859	5.80593E-06	59.03701401	6.23743E-05	0.000308022	0.000622971
2066 Aug	488.0961304	0.140773445	0.160707116	0.003310935	26.70480919	0.032483041	211.2744751	0.000821401	0.000821401	4.30319E-06	0.011667931	0.002985947	0.260652661	0.023292316	6.00107E-06	61.8927269	6.54075E-05	0.000316216	0.000648724
2066 Sep	504.1726685	0.142800465	0.16297926	0.003346605	26.88731956	0.032816138	219.2118378	0.000816657	0.000816657	4.28699E-06	0.011868876	0.003050781	0.270335674	0.023197724	6.05001E-06	63.46835327	6.71339E-05	0.00031655	0.000659358
2066 Oct	519.6186523	0.144153491	0.163850397	0.003350073	26.78547287	0.032865115	227.2277069	0.00079937	0.00079937	4.2082E-06	0.012008542	0.003099599	0.280057669	0.022766858	6.0374E-06	64.79962158	6.86801E-05	0.00031272	0.000665228

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Nov	523.4924316	0.144516855	0.164041221	0.003350669	26.75907135	0.032889437	229.2381592	0.000795181	0.000795181	4.18918E-06	0.012045364	0.003111928	0.282497317	0.022658646	6.03497E-06	65.1340332	6.90685E-05	0.000311755	0.000666647
2066 Dec	525.1558228	0.144735813	0.164390653	0.00335618	26.7917099	0.032906476	230.0429993	0.000794833	0.000794833	4.1882E-06	0.012065799	0.003118962	0.283476233	0.022663696	6.04059E-06	65.30343628	6.92563E-05	0.000311961	0.000668057
2067 Jan	525.9203491	0.14482446	0.164538801	0.003358417	26.8048687	0.032910336	230.4146881	0.000794579	0.000794579	4.18728E-06	0.012074519	0.00312214	0.28392753	0.022665363	6.04273E-06	65.38104248	6.93415E-05	0.000312043	0.00066871
2067 Feb	526.1400146	0.144867808	0.164591238	0.003359386	26.8129673	0.032917611	230.5147858	0.000794728	0.000794728	4.18812E-06	0.012078329	0.003123311	0.284049541	0.022672515	6.04438E-06	65.40718079	6.93682E-05	0.00031214	0.000668978
2067 Mar	526.4821777	0.14496389	0.164698124	0.003361573	26.83102798	0.032939248	230.6636047	0.000795262	0.000795262	4.19093E-06	0.012086239	0.003125384	0.284232765	0.022688672	6.04838E-06	65.45055389	6.94134E-05	0.000312356	0.000669435
2067 Apr	527.2385864	0.145173252	0.16493468	0.003366403	26.86993217	0.032986712	230.9943848	0.000796414	0.000796414	4.197E-06	0.012103636	0.003129898	0.284640253	0.022722075	6.05711E-06	65.54507446	6.95131E-05	0.000312812	0.000670409
2067 May	520.3532104	0.144283861	0.162426069	0.00332914	26.94157791	0.032880306	227.1310425	0.000808037	0.000808037	4.25133E-06	0.012060601	0.003123517	0.279853672	0.023449266	6.07878E-06	65.29642487	6.88451E-05	0.000319345	0.000676329
2067 Jun	470.2017822	0.132596463	0.145289928	0.003034966	25.48963928	0.030869473	202.7360382	0.000808701	0.000808701	4.23146E-06	0.011345705	0.002927645	0.249891281	0.024097614	5.8582E-06	60.72234344	6.32561E-05	0.000320554	0.0006512
2067 Jul	495.8648682	0.136955112	0.151087359	0.003152976	26.32365799	0.031946927	214.5118713	0.000834829	0.000834829	4.37316E-06	0.011852279	0.003065252	0.264369369	0.024763089	6.09555E-06	63.66878128	6.65353E-05	0.000330909	0.000678649
2067 Aug	517.9389648	0.138977811	0.154698938	0.003221995	26.70845032	0.032696564	225.1415253	0.000843328	0.000843328	4.4257E-06	0.012168262	0.003170573	0.277366251	0.02493309	6.23505E-06	65.97939301	6.89766E-05	0.000333878	0.000696947
2067 Sep	532.9032593	0.140522987	0.156488582	0.003251233	26.84942245	0.033028789	232.5289764	0.000840492	0.000840492	4.41852E-06	0.012359263	0.003232084	0.286400586	0.02485414	6.28849E-06	67.45609283	7.05829E-05	0.00033447	0.000706819
2067 Oct	533.8285522	0.13960354	0.153176233	0.003184466	26.24800491	0.032883454	233.8094025	0.000819733	0.000819733	4.31603E-06	0.012302526	0.003210287	0.287935138	0.024098419	6.19721E-06	67.16213226	7.04169E-05	0.000325759	0.000696023
2067 Nov	538.6529541	0.140045702	0.153370991	0.003185439	26.21829605	0.032933723	236.296402	0.000815609	0.000815609	4.29777E-06	0.012355837	0.003226488	0.290960759	0.023978833	6.19946E-06	67.58782959	7.09192E-05	0.000324798	0.000697917
2067 Dec	540.3807983	0.140244231	0.153687	0.003190417	26.24742699	0.032949168	237.1344757	0.000815277	0.000815277	4.29691E-06	0.012377374	0.003233833	0.291980356	0.02398427	6.20547E-06	67.76441956	7.11155E-05	0.000325016	0.000699384
2068 Jan	541.4996948	0.140352324	0.153876022	0.003193216	26.26304054	0.032951869	237.6810913	0.000814879	0.000814879	4.29543E-06	0.012390035	0.003238452	0.292644203	0.023985345	6.20848E-06	67.87748718	7.12405E-05	0.000325125	0.000700324
2068 Feb	541.7285767	0.140388221	0.153920293	0.003194004	26.26978493	0.032957073	237.7871399	0.000814974	0.000814974	4.29601E-06	0.012393625	0.003239622	0.292773157	0.023991678	6.20992E-06	67.90416718	7.12677E-05	0.000325212	0.000700595
2068 Mar	542.3682861	0.140556231	0.154101998	0.003197779	26.30153275	0.032996267	238.0666962	0.000815956	0.000815956	4.30118E-06	0.012408324	0.003243495	0.293117166	0.024021631	6.21733E-06	67.98532867	7.13519E-05	0.000325611	0.000701447
2068 Apr	544.9570923	0.141228363	0.154837519	0.003213045	26.42747688	0.033153918	239.2023315	0.000819861	0.000819861	4.32176E-06	0.012467586	0.003259003	0.294515282	0.024137193	6.24706E-06	68.31036377	7.16925E-05	0.000327174	0.000704809
2068 May	538.5919189	0.140087709	0.152304634	0.003171887	26.44498825	0.032913536	235.690918	0.000827236	0.000827236	4.35521E-06	0.012404858	0.003250669	0.290139914	0.02477381	6.25089E-06	68.06149292	7.10446E-05	0.000332738	0.000710274
2068 Jun	454.9562683	0.119004734	0.124961033	0.002681047	23.47780991	0.028828982	196.1461334	0.000795469	0.000795469	4.15903E-06	0.011036274	0.002873935	0.241597801	0.024442289	5.73145E-06	59.5815773	6.14688E-05	0.000320662	0.000649186
2068 Jul	474.2524414	0.119527705	0.127093405	0.002730257	23.61465645	0.029316563	205.5391388	0.000808079	0.000808079	4.23099E-06	0.011373444	0.002964227	0.2531811	0.024442805	5.88055E-06	61.51486969	6.3901E-05	0.000323306	0.000662788
2068 Aug	499.3309326	0.123730324	0.132241547	0.002834437	24.41304588	0.030395959	217.0630188	0.000831098	0.000831098	4.35689E-06	0.011841638	0.003099175	0.267320156	0.025136756	6.09995E-06	64.43371582	6.69702E-05	0.000333368	0.00069032
2068 Sep	510.1767883	0.124792337	0.132744282	0.002842406	24.40158463	0.030717157	222.5606079	0.000827174	0.000827174	4.34249E-06	0.011983025	0.003140121	0.274057746	0.024942473	6.13073E-06	65.43802643	6.80915E-05	0.000332255	0.000694926
2068 Oct	521.4387817	0.12598674	0.133838102	0.002858317	24.45585251	0.030878561	228.1877441	0.000822501	0.000822501	4.32447E-06	0.012125748	0.003183829	0.280913413	0.024828855	6.15894E-06	66.51796722	6.9329E-05	0.000331965	0.000701805
2068 Nov	524.9500122	0.126447633	0.134426862	0.00286854	24.52359581	0.030948143	229.8690033	0.000822975	0.000822975	4.32842E-06	0.01217773	0.003199873	0.282964259	0.024862863	6.17663E-06	66.89131927	6.974E-05	0.000332674	0.000704979
2068 Dec	525.5841064	0.12653093	0.134537444	0.002870463	24.53652763	0.030960441	230.1716461	0.000823079	0.000823079	4.32923E-06	0.01218714	0.003202799	0.283333391	0.024869956	6.17992E-06	66.95922089	6.98145E-05	0.000332813	0.000705568
2069 Jan	526.5116577	0.126596376	0.134660482	0.002872197	24.54514503	0.030959444	230.628067	0.000822703	0.000822703	4.32778E-06	0.012197426	0.003206582	0.283887655	0.024869159	6.18222E-06	67.05233002	6.99181E-05	0.000332886	0.000706327
2069 Feb	526.888855	0.126629561	0.134713173	0.00287301	24.55055237	0.030961299	230.8104858	0.000822646	0.000822646	4.32767E-06	0.012202131	0.003208246	0.284109265	0.024872294	6.1836E-06	67.09220123	6.99611E-05	0.000332952	0.000706682
2069 Mar	526.982605	0.126642779	0.134729296	0.0028733	24.55305672	0.030963277	230.8540955	0.000822684	0.000822684	4.3279E-06	0.012203605	0.003208723	0.284162313	0.024874795	6.18419E-06	67.10309601	6.99723E-05	0.000332987	0.000706791
2069 Apr	527.6112671	0.126793608	0.134889245	0.002876707	24.58238411	0.030999945	231.129364	0.00082366	0.00082366	4.33304E-06	0.012218112	0.003212556	0.284501016	0.024904773	6.19154E-06	67.18333435	7.00557E-05	0.000333386	0.00070764
2069 May	533.2416382	0.128128663	0.136222884	0.002905764	24.85889244	0.031320453	233.554718	0.000833138	0.000833138	4.38267E-06	0.012350894	0.003248615	0.287478685	0.025231134	6.26059E-06	67.93714905	7.08111E-05	0.000337538	0.000716171
2069 Jun	467.6491699	0.112748012	0.118319258	0.002613559	22.46685982	0.02918083	202.9011688	0.000832732	0.000832732	4.35184E-06	0.0115135	0.002936641	0.250380963	0.023884578	5.98052E-06	60.58818436	6.39157E-05	0.000321342	0.000646266
2069 Jul	478.0023804	0.112608239	0.118974783	0.002641906	22.51320839	0.029557334	207.8304749	0.000850499	0.000850499	4.44534E-06	0.011779653	0.002991271	0.256566137	0.023948167	6.11443E-06	61.66213989	6.54902E-05	0.000324756	0.000653579
2069 Aug	497.0493774	0.1144915	0.121568106	0.002694631	22.86264038	0.03025575	216.9073792	0.000860621	0.000860621	4.50451E-06	0.012078183	0.003085141	0.267702401	0.024197547	6.24765E-06	63.7338829	6.76406E-05	0.000329125	0.000670562
2069 Sep	493.8256226	0.113504544	0.11831896	0.0026315	22.33597565	0.030249184	216.0342407	0.000843776	0.000843776	4.41952E-06	0.011964664	0.003049845	0.266635925	0.023543302	6.15607E-06	63.07934189	6.6923E-05	0.000321082	0.000657588
2069 Oct	475.5994568	0.111866511	0.111428864	0.002507393	21.40725136	0.030275725	208.1631927	0.000822733	0.000822733	4.30693E-06	0.011675739	0.002940951	0.257030249	0.022553112	5.97959E-06	60.74234009	6.44418E-05	0.000307403	0.000626702
2069 Nov	474.048645	0.112087384	0.110459454	0.002492501	21.30919075	0.030440332	207.5140839	0.00082222	0.00082222	4.30374E-06	0.011672355	0.002932015	0.256253451	0.022446059	5.97105E-06	60.53941345	6.42266E-05	0.000305911	0.000623046
2069 Dec	475.0650635	0.112173975	0.110596545	0.002494585	21.32081223	0.030445637	208.0107269	0.000821974	0.000821974	4.30299E-06	0.011684823	0.00293631	0.256857455	0.022448214	5.97436E-06	60.64325333	6.43418E-05	0.000306026	0.0006239
2070 Jan	475.2070007	0.112186685	0.110611878	0.002494791	21.32260132	0.03044595	208.0795746	0.000821927	0.000821927	4.30281E-06	0.011686449	0.002936934	0.256940722	0.02244968	5.97475E-06	60.65851212	6.43574E-05	0.00030605	0.00062404
2070 Feb	475.2507324	0.112191252	0.110615663	0.002494827	21.32385635	0.030445542	208.0994568	0.00082192	0.00082192	4.3028E-06	0.011686889	0.002937176	0.256964326	0.022452105	5.9749E-06	60.66439438	6.43621E-05	0.000306075	0.000624117
2070 Mar	475.4515991	0.112239756	0.110661738	0.002495863	21.33335876	0.030458229	208.1865234	0.000822272	0.000822272	4.30464E-06	0.011691798	0.002938451	0.257071555	0.022462893	5.97744E-06	60.69081116	6.43891E-05	0.000306215	0.000624402
2070 Apr	476.6785583	0.112529904	0.110945143	0.002502241	21.38897896	0.030535968	208.7226563	0.000824384	0.000824384	4.3157E-06	0.011721805	0.002946076	0.257733017	0.022522785	5.9928E-06	60.84860992	6.45549E-05	0.000307021	0.000626048
2070 May	470.8377991	0.112213552	0.109523796	0.002481711	21.53406715	0.030465178	205.3901825	0.000833969	0.000833969	4.36037E-06	0.011680019	0.002940835	0.253595322	0.023168886	6.00928E-06	60.64715195	6.39741E-05	0.00031281	0.0006316
2070 Jun	426.4284668	0.104440056	0.098498441	0.002285108	20.78703499	0.028730998	183.3817291	0.000833013	0.000833013	4.33463E-06	0.011010054	0.002771143	0.226480708	0.024034044	5.80218E-06	56.72226334	5.89428E-05	0.000316443	0.000614632
2070 Jul	443.4169312	0.106195375	0.100910217	0.00234291	21.16720963	0.029399965	191.2598724	0.000853317	0.000853317	4.44355E-06	0.011368511	0.002863518	0.236203909	0.024437107	5.97517E-06	58.66229248	6.1197E-05	0.000323251	0.000632005
2070 Aug	462.4562073	0.108138233	0.103504352	0.002398892	21.55888367	0.030151358	200.2327728	0.000867754	0.000867754	4.52418E-06	0.011694547	0.002962393	0.247207522	0.024803905	6.12885E-06	60.7951889	6.34314E-05	0.000328709	0.000650575
2070 Sep	460.895874	0.107600197	0.100765973	0.002346068	21.08127975	0.030220706	200.1453705	0.000852562	0.000852562	4.4482E-06	0.011623312	0.002934626	0.247113675	0.024145802	6.0527E-06	60.30113602	6.29647E-05	0.000320959	0.000638586
2070 Oct	452.855957	0.1069723	0.097418487	0.002285175	20.58367348	0.030278422	196.8269958	0.000840211	0.000840211	4.38335E-06	0.011491482	0.002881139	0.243075684	0.023532666	5.9611E-06	59.17402267	6.18286E-05	0.000313018	0.000621998
2070 Nov	456.3306885	0.107236192	0.097608022	0.002287201	20.57992554	0.030306574	198.5821075	0.00083823	0.00083823	4.37512E-06	0.01153243	0.002894188	0.245211124	0.023487117	5.96729E-06	59.5028038	6.22048E-05	0.000312794	0.000624023
2070 Dec	457.323761	0.107296176	0.097720116	0.002288765	20.58709335	0.030305678	199.0718384	0.000837854	0.000837854	4.3737E-06	0.011543726	0.002898251	0.245806202	0.023485892	5.9699E-06	59.6024971	6.23163E-05	0.000312869	0.000624825
2071 Jan	457.5250244	0.1073099	0.097741596	0.002289055	20.58896828	0.030305509	199.1703339	0.000837781	0.000837781	4.37343E-06	0.011546001	0.002899104	0.24592559	0.02348681	5.97044E-06	59.62342072	6.23387E-05	0.000312894	0.000625007
2071 Feb	457.5213318	0.107312046	0.097740971	0.002289043	20.58978462	0.030305557	199.1670685	0.000837797	0.000837797	4.3735E-06	0.011545972	0.002899142	0.245921254	0.023488773	5.97048E-06	59.62421799	6.23382E-05	0.000312912	0.000625035
2071 Mar	457.561615	0.107323237	0.097749725	0.00228925	20.59215355	0.030308418	199.1836853	0.000837885	0.000837885	4.37396E-06	0.01154703	0.002899432	0.245941624	0.023492044	5.97107E-06	59.63018417	6.23437E-05	0.00031295	0.000625108
2071 Apr	458.071167	0.10744375	0.097858667	0.002291802	20.61540222	0.030342283	199.4049835	0.000838825	0.000838825	4.37887E-06	0.011559914	0.002902681	0.246214792	0.02351889	5.97775E-06	59.6969986	6.24131E-05	0.000313305	0.000625815
2071 May	447.6543274	0.106209829	0.095532194	0.002250757	20.63467789	0.029979929	193.9353638	0.000842924	0.000842924	4.39409E-06	0.011414825	0.002873803	0.23942624	0.024104949	5.9474E-06	59.0008316	6.12437E-05	0.000317767	0.000627821
2071 Jun	389.5737305	0.0956081	0.082668923	0.002017138	19.43491936	0.027608026	165.7032928	0.000832338	0.000832338	4.31442E-06	0.010503397	0.002626956	0.204758853	0.024409384	5.63627E-06	53.35523605	5.46631E-05	0.000315054	0.000593021
2071 Jul	393.982666	0.095237233	0.082758889	0.002032663	19.4357605	0.027875934	167.7550812	0.000846794	0.000846794	4.38864E-06	0.010664639	0.002653774	0.207401574	0.024448723	5.72731E-06	53.81642151	5.54744E-05	0.000317295	0.000595644
2071 Aug	408.8038635	0.097424112	0.084938221	0.002084691	19.87667847	0.02866832	174.5071106	0.000865783	0.000865783	4.4899E-06	0.010972672	0.002738848	0.21572493	0.024950936	5.88316E-06	55.60869598	5.73166E-05	0.000324393	0.000612573
2071 Sep	413.0035095	0.096994489	0.083683066	0.002059339	19.57908821	0.028845565	177.0662231	0.00085515	0.00085515	4.43921E-06	0.010972468	0.002741606	0.2188977	0.024446931	5.85394E-06	55.77716064	5.74931E-05	0.000319259	0.000607403
2071 Oct	413.2212219	0.096983157	0.082506791	0.002035451	19.34129715	0.028880814	177.543457	0.00084631	0.00084631	4.3955E-06	0.010951488	0.002730353	0.219477057	0.024076847	5.81446E-06	55.6049881	5.73862E-05	0.000314963	0.000601596
2071 Nov	412.7607727	0.097344406	0.081743278	0.002023712	19.24151802	0.0290663	177.4647217	0.000844927	0.000844927	4.38851E-06	0.010960844	0.002724454	0.2194006	0.023918515	5.80686E-06	55.48150635	5.72892E-05	0.000313055	0.000597963
2071 Dec	413.4862366	0.097415157	0.081773899	0.002024153	19.24140739	0.029080452	177.8294983	0.000844674	0.000844674	4.38759E-06	0.010970818	0.00272729	0.219845578	0.023910202	5.80894E-06	55.55107498	5.73692E-05	0.000313022	0.00059837
2072 Jan	413.4986572	0.097424224	0.081774384	0.002024198	19.24298859	0.029082781	177.8331604	0.000844733	0.000844733	4.38789E-06	0.010971358	0.002727442	0.219849855	0.023913139	5.80926E-06	55.55412292	5.73709E-05	0.000313051	0.000598417
2072 Feb	413.5044861	0.097430736	0.081776083	0.002024243	19.24489403	0.029083731	177.8329468	0.000844783	0.000844783	4.38814E-06	0.010971625	0.002727582	0.219849125	0.023916984	5.8095E-06	55.55699158	5.73717E-05	0.000313088	0.00059848
2072 Mar	413.543457	0.097442709	0.081784084	0.002024443	19.24759483	0.029086765	177.8482361	0.000844883	0.000844883	4.38866E-06	0.010972722	0.002727894	0.219867781	0.023921141	5.81014E-06	55.56335831	5.73771E-05	0.000313135	0.000598566
2072 Apr	414.3486938	0.097633995	0.081943497	0.002028389	19.28556633	0.029143563	178.1937256	0.00084654	0.00084654	4.39726E-06	0.010994121	0.002733236	0.220294729	0.02396878	5.8215E-06	55.67217636	5.74888E-05	0.000313755	0.000599748
2072 May	418.537384	0.098619267	0.082769468	0.002048835	19.48059654	0.029437156	179.9946594	0.000855088	0.000855088	4.44166E-06	0.011105137	0.002760884	0.222520843	0.024212023	5.88029E-06	56.23554993	5.80699E-05	0.000316934	0.000605829
2072 Jun	382.2684937	0.089960776	0.075384401	0.001938547	18.13046646	0.02832723	163.2461243	0.000860723	0.000860723	4.45421E-06	0.010701154	0.002576154	0.202459365	0.02291639	5.75761E-06	51.7988205	5.45661E-05	0.000304593	0.000557929
2072 Jul	385.5907898	0.088349067	0.074657649	0.001939422	17.94779015	0.028562576	164.9955292	0.00087222	0.00087222	4.51339E-06	0.01080657	0.002594508	0.204719841	0.022768237	5.83141E-06	52.03835678	5.51171E-05	0.000303876	0.000556951
2072 Aug	384.7535095	0.086789593	0.072804518	0.00191237	17.6809845	0.029140567	164.9568176	0.000871428	0.000871428	4.50942E-06	0.010728579	0.002585183	0.204828173	0.022391671	5.82741E-06	51.78337479	5.44868E-05	0.000299633	0.000548288
2072 Sep	381.3853455	0.085933998	0.070799284	0.001877835	17.38965607	0.029461019	163.7110291	0.000865365	0.000865365	4.47796E-06	0.010630922	0.002559958	0.203398168	0.021975445	5.78603E-06	51.24556351	5.37076E-05	0.000294747	0.000537828
2072 Oct	376.1386719	0.085968845	0.068213515	0.001825351	16.96426773	0.029448068	161.758194	0.000848646	0.000848646	4.39257E-06	0.010515003	0.00251638	0.200971514	0.021376118	5.68507E-06	50.40387726	5.28588E-05	0.000286818	0.000524198
2072 Nov	379.8676758	0.086268701	0.068220899	0.001823474	16.93397522	0.029469861	163.6769562	0.000845338	0.000845338	4.37785E-06	0.010556083	0.002529295	0.203298196	0.021301372	5.68614E-06	50.74482346	5.32493E-05	0.000286198	0.000525993
2072 Dec	381.8060608	0.086346313	0.068389527	0.001825613	16.94255447	0.029459979	164.6354218	0.000844535	0.000844535	4.37475E-06	0.010577643	0.002537237	0.204461813	0.021300018	5.69091E-06	50.94048309	5.34674E-05	0.000286353	0.000527599
2073 Jan	382.237915	0.086366542	0.068426549	0.001826084	16.94521332	0.029458182	164.8476868	0.000844374	0.000844374	4.37414E-06	0.01058252	0.002539055	0.204719231	0.021301415	5.69205E-06	50.98509979	5.3516E-05	0.000286403	0.000527983
2073 Feb	382.2556458	0.086373582	0.068429917	0.00182617	16.94701767	0.029459659	164.8536377	0.000844432	0.000844432	4.37444E-06	0.010583038	0.002539235	0.204726249	0.021304663	5.69239E-06	50.98880768	5.35184E-05	0.000286436	0.000528043
2073 Mar	382.3489685	0.086396612	0.068446882	0.001826623	16.95177078	0.029467033	164.892868	0.000844652	0.000844652	4.37557E-06	0.01058566	0.002539892	0.204774812	0.021311177	5.69384E-06	51.00203323	5.35314E-05	0.000286518	0.000528192
2073 Apr	384.0432129	0.086774737	0.068747252	0.001834606	17.02602386	0.029595239	165.6248322	0.000848326	0.000848326	4.39462E-06	0.010632101	0.002551094	0.205683306	0.021404712	5.71874E-06	51.22753143	5.37679E-05	0.000287775	0.000530529
2073 May	398.9318237	0.086789452	0.068812735	0.001823269	17.29606056	0.02899375	172.4307556	0.00084374	0.00084374	4.37804E-06	0.010767629	0.002633842	0.213730648	0.022287883	5.75707E-06	53.26645279	5.54784E-05	0.000297223	0.000558957
2073 Jun	385.5223389	0.081936114	0.063787192	0.001711872	17.04063606	0.026984109	165.5068512	0.000828188	0.000828188	4.29364E-06	0.010425025	0.002591025	0.204866797	0.023255136	5.61524E-06	52.49677658	5.39944E-05	0.000304593	0.00057059
2073 Jul	394.8348389	0.082501918	0.064632393	0.001739589	17.20965195	0.027464321	169.821228	0.000843321	0.000843321	4.37335E-06	0.010639958	0.002644989	0.210214496	0.023499303	5.73E-06	53.57513046	5.52491E-05	0.000308445	0.000579956
2073 Aug	410.4930725	0.083823405	0.06615743	0.001778196	17.50182343	0.028142573	177.1687469	0.000858315	0.000858315	4.45522E-06	0.010926588	0.00272969	0.219240203	0.023863954	5.87157E-06	55.37320709	5.71158E-05	0.000313642	0.000595854
2073 Sep	420.1775818	0.084110171	0.066106923	0.001773619	17.39079666	0.028275335	182.1952515	0.000850725	0.000850725	4.42206E-06	0.011020768	0.002762525	0.225386187	0.023603512	5.87989E-06	56.22486115	5.80545E-05	0.000311657	0.000599174

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Oct	422.1838074	0.084368385	0.064611278	0.001738975	17.02732086	0.028258493	183.8017883	0.000833362	0.000833362	4.33684E-06	0.010994956	0.00274911	0.227314845	0.022980835	5.8084E-06	56.09653473	5.80613E-05	0.000304497	0.000591112
2073 Nov	425.2332764	0.084583461	0.064513311	0.001735174	16.97143173	0.028272653	185.4212646	0.000829522	0.000829522	4.31918E-06	0.011025054	0.002757881	0.229281098	0.022864498	5.80414E-06	56.34484482	5.83678E-05	0.000303398	0.00059172
2073 Dec	427.347168	0.084669247	0.064681806	0.001737481	16.98165894	0.028268833	186.462326	0.000828911	0.000828911	4.31711E-06	0.011050321	0.002766778	0.230546594	0.022867382	5.81061E-06	56.56097412	5.86088E-05	0.000303623	0.000593506
2074 Jan	428.7942505	0.084706791	0.064783804	0.001738645	16.98512077	0.028257936	187.1797638	0.000828272	0.000828272	4.3146E-06	0.011066115	0.002772688	0.231417358	0.02286591	5.814E-06	56.70701218	5.87715E-05	0.000303734	0.000594707
2074 Feb	429.3475342	0.084719345	0.064818688	0.001739015	16.98667336	0.028253162	187.4531097	0.000828038	0.000828038	4.31369E-06	0.011072126	0.002774993	0.23174879	0.022866987	5.81533E-06	56.76386261	5.88337E-05	0.000303791	0.000595194
2074 Mar	429.5097046	0.084751606	0.064842634	0.001739647	16.99334335	0.028263303	187.5234528	0.000828341	0.000828341	4.31527E-06	0.011076203	0.002776055	0.231835499	0.022876412	5.81747E-06	56.78577805	5.88556E-05	0.000303912	0.000595434
2074 Apr	431.0542603	0.085057557	0.065076008	0.001745908	17.05482101	0.028365064	188.1972046	0.000831329	0.000831329	4.33083E-06	0.01111606	0.002786061	0.232668355	0.022959447	5.83843E-06	56.99044037	5.90673E-05	0.000305012	0.000597587
2074 May	439.0210876	0.084531642	0.064271711	0.001718749	17.32937622	0.027583523	191.4728241	0.000827962	0.000827962	4.31697E-06	0.011153284	0.002844099	0.23636505	0.024042124	5.8503E-06	58.44705582	5.99934E-05	0.000315671	0.000624194
2074 Jun	407.7987366	0.077852823	0.057614148	0.001566904	16.78193092	0.024948027	176.1438599	0.000797772	0.000797772	4.15149E-06	0.01046493	0.002709457	0.21716854	0.024677256	5.55899E-06	55.67640686	5.62607E-05	0.000317268	0.000618718
2074 Jul	421.9653625	0.07916902	0.059003972	0.001609332	17.10589027	0.025614286	182.6055603	0.000820442	0.000820442	4.27088E-06	0.010799726	0.002792949	0.225166053	0.025157679	5.73069E-06	57.38592148	5.8211E-05	0.000324593	0.000634878
2074 Aug	447.6862183	0.081818745	0.06158359	0.001669621	17.64699364	0.026445881	194.5552979	0.000842391	0.000842391	4.39183E-06	0.011279272	0.002931929	0.239809081	0.025891574	5.94859E-06	60.42337036	6.14075E-05	0.000335249	0.000664018
2074 Sep	469.6407776	0.082259469	0.061947692	0.001665292	17.40557289	0.026485384	205.9291229	0.000824061	0.000824061	4.31103E-06	0.011492251	0.003005589	0.253678173	0.025319256	5.96175E-06	62.34503555	6.36674E-05	0.000331018	0.000672783
2074 Oct	489.3387756	0.083015472	0.062227074	0.001659362	17.17593765	0.026470656	216.1618805	0.000805914	0.000805914	4.23006E-06	0.011693071	0.003070054	0.266125351	0.024782455	5.96532E-06	64.05313873	6.575E-05	0.000326768	0.000680455
2074 Nov	515.9649658	0.083575614	0.06386441	0.001676543	17.17118835	0.026278691	229.4635162	0.000792696	0.000792696	4.17662E-06	0.011981214	0.003175532	0.282284141	0.02464005	6.02131E-06	66.67594147	6.87291E-05	0.000327636	0.00070067
2074 Dec	520.7645264	0.083683148	0.064183913	0.001680255	17.17797852	0.026247064	231.8482361	0.000790671	0.000790671	4.16876E-06	0.012034572	0.003195022	0.285181403	0.024627952	6.03306E-06	67.15621948	6.92706E-05	0.000327946	0.000704514
2075 Jan	521.6448975	0.083702303	0.064237103	0.001680845	17.17928886	0.026241202	232.2849731	0.000790309	0.000790309	4.16736E-06	0.012044393	0.003198634	0.285711765	0.024627043	6.03525E-06	67.24517059	6.93698E-05	0.000328014	0.00070524
2075 Feb	522.0595093	0.08371675	0.064262941	0.001681195	17.18167496	0.026240433	232.4874878	0.00079023	0.00079023	4.16716E-06	0.012049505	0.003200465	0.285957634	0.024630237	6.03671E-06	67.2891922	6.94174E-05	0.000328084	0.000705631
2075 Mar	522.5224609	0.083774708	0.064311802	0.001682366	17.19346237	0.02625669	232.6991272	0.000790705	0.000790705	4.16973E-06	0.012058743	0.003203084	0.286216855	0.024647219	6.04099E-06	67.34607697	6.94765E-05	0.000328317	0.000706209
2075 Apr	524.4611816	0.084047422	0.064532407	0.001687907	17.24888229	0.026338728	233.5758209	0.00079313	0.00079313	4.18268E-06	0.012100311	0.003214441	0.287293077	0.024726212	6.06101E-06	67.58876801	6.97289E-05	0.000329393	0.000708695
2075 May	546.5245361	0.084705919	0.065737277	0.001703745	17.41264534	0.026233017	244.2471161	0.000790509	0.000790509	4.17965E-06	0.012376902	0.003315991	0.300229728	0.025044296	6.14522E-06	70.01898193	7.22959E-05	0.00033464	0.000732024
2075 Jun	477.7593384	0.073963046	0.057475448	0.001581065	15.64476299	0.024803057	212.0847778	0.000793298	0.000793298	4.16351E-06	0.011540512	0.00296638	0.26153329	0.022833144	5.86871E-06	61.71170425	6.5181E-05	0.000311212	0.000644312
2075 Jul	463.9322205	0.07113675	0.05552429	0.001566196	15.24835205	0.024815988	205.5436401	0.000808679	0.000808679	4.2343E-06	0.011468619	0.002903613	0.25380072	0.022385782	5.88656E-06	60.02896118	6.40072E-05	0.000307529	0.000625003
2075 Aug	477.6758118	0.072000742	0.056476783	0.001592904	15.44761181	0.025390785	212.0535736	0.000820567	0.000820567	4.29986E-06	0.011710391	0.002976434	0.261803418	0.022657381	6.00508E-06	61.58558655	6.56087E-05	0.000311609	0.000638235
2075 Sep	490.2213135	0.072862171	0.057137787	0.001605927	15.53398418	0.025643649	218.1708374	0.000821909	0.000821909	4.31235E-06	0.011894467	0.003033318	0.269281358	0.02273012	6.06758E-06	62.91176224	6.70348E-05	0.000313603	0.00064859
2075 Oct	493.5547791	0.073449962	0.05675732	0.001596641	15.43850994	0.025762124	220.0181122	0.000815851	0.000815851	4.28382E-06	0.011927089	0.003040438	0.271522015	0.022524547	6.05432E-06	63.14598846	6.73133E-05	0.000311307	0.000647673
2075 Nov	498.9649963	0.0737729	0.057008632	0.001600087	15.45230007	0.025804458	222.6960144	0.000814509	0.000814509	4.27965E-06	0.011997762	0.003063179	0.274780899	0.022520987	6.0721E-06	63.69665146	6.79242E-05	0.000311715	0.000651856
2075 Dec	500.534668	0.073827557	0.057098564	0.001601232	15.45664692	0.025803011	223.4712677	0.000814049	0.000814049	4.27808E-06	0.012016751	0.003069789	0.275723279	0.022522531	6.0769E-06	63.85731506	6.81024E-05	0.000311871	0.000653163
2076 Jan	500.7759399	0.073840164	0.057112549	0.001601413	15.45833492	0.025803322	223.5888367	0.000813999	0.000813999	4.27795E-06	0.012019739	0.003070865	0.275865853	0.022524884	6.07772E-06	63.88328171	6.81297E-05	0.000311914	0.000653396
2076 Feb	500.8779297	0.073860414	0.057125255	0.001601765	15.46305275	0.025809189	223.6318359	0.000814203	0.000814203	4.279E-06	0.012022306	0.003071584	0.275918484	0.02253269	6.07912E-06	63.89819717	6.81436E-05	0.000312007	0.000653579
2076 Mar	501.1876221	0.07390891	0.05716116	0.00160277	15.47346497	0.02582548	223.7687225	0.000814726	0.000814726	4.28175E-06	0.012029803	0.003073534	0.276087165	0.022548374	6.08296E-06	63.93874359	6.81858E-05	0.000312216	0.00065401
2076 Apr	502.1210327	0.074048132	0.057267945	0.001605763	15.50275803	0.025873763	224.1847076	0.000816255	0.000816255	4.28978E-06	0.012052245	0.003079287	0.276600301	0.022591343	6.09434E-06	64.05840302	6.83128E-05	0.000312806	0.000655243
2076 May	494.5429382	0.074415043	0.05671056	0.001599774	15.77012444	0.025876746	219.9033813	0.000826695	0.000826695	4.33781E-06	0.011989213	0.003067699	0.271296978	0.023289887	6.10631E-06	63.70103455	6.75207E-05	0.000318871	0.000660121
2076 Jun	421.9669189	0.068874016	0.049540784	0.001461133	15.40282345	0.024117067	183.9368134	0.000820361	0.000820361	4.27199E-06	0.010890906	0.002764874	0.227122441	0.023914656	5.74497E-06	56.70700073	5.91066E-05	0.000316886	0.000617725
2076 Jul	425.3677673	0.068652093	0.049600843	0.001475578	15.42797375	0.024443338	185.4765625	0.000834409	0.000834409	4.34368E-06	0.011028424	0.002788494	0.229117617	0.023991836	5.82919E-06	57.08892059	5.97331E-05	0.000318933	0.000620049
2076 Aug	442.9758301	0.070202865	0.050952103	0.001514291	15.77255726	0.025194736	193.6512909	0.000853615	0.000853615	4.44737E-06	0.011374237	0.002886606	0.239176989	0.024502533	5.99914E-06	59.17911911	6.19047E-05	0.000326347	0.00063936
2076 Sep	458.0993958	0.071077831	0.051610611	0.001526587	15.83959675	0.025441386	201.0727081	0.000853762	0.000853762	4.45512E-06	0.011589022	0.00295352	0.24824281	0.024548398	6.06764E-06	60.75381088	6.36209E-05	0.000328289	0.000651389
2076 Oct	459.0149536	0.071439095	0.050526336	0.001499576	15.53884411	0.025473041	202.0809479	0.000837836	0.000837836	4.37651E-06	0.011545522	0.002937101	0.249447182	0.023970306	5.99782E-06	60.53539276	6.34781E-05	0.000321466	0.000643063
2076 Nov	464.9310608	0.071666844	0.050597832	0.001497725	15.48915863	0.025468906	205.1168823	0.000833009	0.000833009	4.35527E-06	0.011606244	0.00295797	0.253134251	0.023859221	6.0016E-06	61.07814789	6.41025E-05	0.000320671	0.000646164
2076 Dec	467.5783997	0.071715593	0.050730176	0.001499155	15.49122047	0.025454685	206.4300232	0.000832036	0.000832036	4.35164E-06	0.011636646	0.002968931	0.254729748	0.023857584	6.00876E-06	61.34663391	6.44021E-05	0.000320891	0.000648345
2077 Jan	468.0612488	0.071725897	0.050753433	0.001499378	15.49184799	0.025451699	206.6691895	0.000831841	0.000831841	4.3509E-06	0.011642048	0.00297094	0.255020022	0.023858011	6.00998E-06	61.39606094	6.44563E-05	0.000320935	0.000648756
2077 Feb	468.0900879	0.071733996	0.050757311	0.001499487	15.49392128	0.025453631	206.68013	0.000831917	0.000831917	4.35128E-06	0.011642832	0.002971189	0.255033165	0.023861792	6.01045E-06	61.40121841	6.44602E-05	0.000320976	0.000648832
2077 Mar	468.1979065	0.071752079	0.050769202	0.001499832	15.49799633	0.025459502	206.726944	0.000832115	0.000832115	4.35232E-06	0.011645509	0.002971902	0.255090714	0.023868389	6.01186E-06	61.41601563	6.4475E-05	0.000321059	0.000648999
2077 Apr	469.2588501	0.07191588	0.050884504	0.001503237	15.53347683	0.025517331	207.1947937	0.000834009	0.000834009	4.36222E-06	0.011671924	0.002978658	0.255667925	0.023923218	6.02552E-06	61.55562592	6.46211E-05	0.000321794	0.000650481
2077 May	464.714325	0.07213223	0.050502755	0.00149741	15.72945881	0.025449982	204.5579224	0.000839918	0.000839918	4.38919E-06	0.011626025	0.002974067	0.252371848	0.024451312	6.03017E-06	61.40610504	6.41374E-05	0.000326391	0.000655429
2077 Jun	415.4533386	0.067062832	0.045275681	0.001386958	15.27472115	0.023719035	180.4342651	0.000823539	0.000823539	4.28446E-06	0.010802436	0.002756268	0.222689778	0.02461152	5.72777E-06	56.5012207	5.83681E-05	0.000322327	0.000624535
2077 Jul	430.1316528	0.067995593	0.046269268	0.001424791	15.53827667	0.02432991	187.1637115	0.000848142	0.000848142	4.41378E-06	0.011166606	0.002841943	0.231048331	0.025066622	5.91165E-06	58.25068283	6.04811E-05	0.000330049	0.000640661
2077 Aug	447.5281677	0.069639407	0.0475449	0.001463146	15.90533543	0.025093805	195.1797638	0.000868826	0.000868826	4.52469E-06	0.011521457	0.002940995	0.240919203	0.025636178	6.08744E-06	60.35618973	6.26604E-05	0.000338222	0.00066062
2077 Sep	443.5354309	0.069109045	0.045654826	0.001421004	15.3989563	0.025280327	194.1184387	0.000847333	0.000847333	4.41633E-06	0.011354331	0.002892255	0.23968035	0.024648743	5.97135E-06	59.42022705	6.1651E-05	0.00032669	0.000641418
2077 Oct	451.661377	0.069814324	0.045376141	0.001412238	15.25987339	0.025415288	198.4231567	0.000838613	0.000838613	4.37684E-06	0.011444374	0.002916572	0.24492076	0.024341144	5.96739E-06	60.08490753	6.24625E-05	0.000323769	0.000642704
2077 Nov	457.015625	0.069975205	0.045621015	0.001415644	15.27389622	0.025421115	201.0583038	0.000837678	0.000837678	4.37466E-06	0.011513216	0.002939724	0.248127505	0.024358062	5.98682E-06	60.64035416	6.30799E-05	0.00032445	0.000647282
2077 Dec	458.2094421	0.070005193	0.045675725	0.001416359	15.27642345	0.025420057	201.646759	0.000837421	0.000837421	4.37393E-06	0.011528168	0.002944845	0.248843342	0.024361087	5.99092E-06	60.76372528	6.32171E-05	0.000324594	0.000648301
2078 Jan	458.5323486	0.070016459	0.045690719	0.001416568	15.2779274	0.025420411	201.8045502	0.000837377	0.000837377	4.37386E-06	0.011532335	0.002946283	0.249035105	0.024363592	5.99214E-06	60.7980957	6.32543E-05	0.000324649	0.000648601
2078 Feb	458.5802612	0.070025064	0.045695368	0.001416694	15.28005314	0.025422564	201.8248291	0.000837457	0.000837457	4.37428E-06	0.011533419	0.002946618	0.249059722	0.024367439	5.99272E-06	60.80523682	6.32606E-05	0.000324693	0.000648692
2078 Mar	458.6565552	0.07003855	0.045703381	0.00141694	15.283144	0.025426999	201.8575287	0.000837609	0.000837609	4.37507E-06	0.011535377	0.00294714	0.24909991	0.024372613	5.99377E-06	60.81601334	6.32711E-05	0.000324757	0.000648817
2078 Apr	460.580658	0.070330992	0.045894302	0.001422843	15.34700966	0.02553275	202.7047577	0.000841094	0.000841094	4.39328E-06	0.011583565	0.002959485	0.250145197	0.024474615	6.01878E-06	61.07100677	6.35361E-05	0.000326115	0.000651539
2078 May	451.7264404	0.069919392	0.044675838	0.00138943	15.66707516	0.024811998	197.6318665	0.000839732	0.000839732	4.38152E-06	0.011393831	0.002946469	0.243647099	0.025591016	5.96412E-06	60.83420944	6.2446E-05	0.000335032	0.000665047
2078 Jun	412.7574463	0.06666559	0.041137956	0.001305424	15.50084877	0.02333457	178.3393866	0.000823089	0.000823089	4.27998E-06	0.010697789	0.002779834	0.219779372	0.026034022	5.70406E-06	57.13702774	5.77494E-05	0.000333977	0.000646433
2078 Jul	429.5165405	0.068172492	0.042338062	0.001346321	15.88509464	0.024106653	185.9508667	0.000848612	0.000848612	4.4147E-06	0.011077927	0.002880755	0.229165852	0.026697338	5.90029E-06	59.22302628	5.99846E-05	0.000343098	0.000667191
2078 Aug	445.5808105	0.068329893	0.042873941	0.001364525	15.95183277	0.024650237	193.7920532	0.000857068	0.000857068	4.46439E-06	0.011320742	0.002959407	0.238784462	0.026807349	6.0141E-06	60.92189789	6.17654E-05	0.000345213	0.000679928
2078 Sep	466.6983337	0.068747662	0.04344717	0.001373446	15.93377113	0.024877956	204.303009	0.000853646	0.000853646	4.45725E-06	0.01158631	0.003047976	0.251639128	0.026724055	6.09325E-06	63.03897476	6.40834E-05	0.000346523	0.000694832
2078 Oct	485.1116638	0.069000736	0.043603752	0.001366476	15.73591709	0.024767643	213.787735	0.000838441	0.000838441	4.39028E-06	0.011771651	0.003111768	0.263169229	0.0263364	6.10456E-06	64.70024872	6.60612E-05	0.00034386	0.000704111
2078 Nov	490.3251038	0.069167659	0.043699645	0.001366639	15.70873356	0.024778137	216.4237823	0.000835874	0.000835874	4.37994E-06	0.011834078	0.003131801	0.266378731	0.02627624	6.11592E-06	65.1991272	6.66405E-05	0.000343668	0.000707345
2078 Dec	491.5470276	0.06918525	0.043744687	0.001367104	15.70825481	0.024773397	217.0302887	0.000835489	0.000835489	4.37859E-06	0.011848717	0.003136894	0.267116308	0.026275352	6.11955E-06	65.32316589	6.67799E-05	0.000343772	0.000708338
2079 Jan	492.8262024	0.069184065	0.043784834	0.001367273	15.70446205	0.024760135	217.6702576	0.000834853	0.000834853	4.37602E-06	0.011862433	0.003142018	0.267893374	0.026270173	6.12224E-06	65.45054626	6.69234E-05	0.00034383	0.000709344
2079 Feb	493.0842896	0.069184706	0.043792143	0.001367287	15.70426273	0.024757201	217.7983398	0.000834732	0.000834732	4.37554E-06	0.011865172	0.003143092	0.268048555	0.026270671	6.12281E-06	65.47718048	6.69522E-05	0.000343856	0.000709573
2079 Mar	493.4230347	0.069213621	0.043814037	0.001367858	15.71064663	0.024765862	217.9553528	0.000835013	0.000835013	4.37709E-06	0.0118715	0.003144953	0.268240482	0.026281795	6.12563E-06	65.51817322	6.69949E-05	0.000344011	0.000709986
2079 Apr	494.6802368	0.069377601	0.043920267	0.001371101	15.74774075	0.024823476	218.515564	0.000836947	0.000836947	4.38728E-06	0.011900548	0.003152767	0.268929124	0.026344121	6.14033E-06	65.68242645	6.71635E-05	0.000344834	0.000711745
2079 May	498.3288269	0.070035927	0.044272535	0.001382839	15.91690254	0.02503778	220.0318298	0.000845331	0.000845331	4.43059E-06	0.011999351	0.003179682	0.270789921	0.026651455	6.19563E-06	66.2331543	6.76824E-05	0.000348536	0.000718649
2079 Jun	425.4786072	0.061369732	0.038227037	0.00127727	14.53434372	0.023277752	185.6123047	0.00083188	0.00083188	4.33106E-06	0.010972775	0.002811582	0.229078963	0.024781857	5.81679E-06	57.69633102	5.97232E-05	0.000326024	0.000635426
2079 Jul	421.8849487	0.05941239	0.03737833	0.001274259	14.21521664	0.023310443	184.1645813	0.000839465	0.000839465	4.3677E-06	0.010986754	0.002789032	0.227493376	0.024308389	5.84229E-06	57.03850937	5.95629E-05	0.000322269	0.000624293
2079 Aug	441.2501526	0.06036989	0.038306672	0.001304051	14.45910835	0.023974435	193.3270874	0.000855814	0.000855814	4.45806E-06	0.011333297	0.002892392	0.238732472	0.024739115	6.00716E-06	59.26032639	6.18936E-05	0.000328548	0.000644121
2079 Sep	447.1657715	0.061026711	0.037668601	0.001288284	14.24664402	0.024221521	196.6875	0.000844247	0.000844247	4.40345E-06	0.011373017	0.002902212	0.242848277	0.024261091	5.98048E-06	59.6126709	6.23109E-05	0.000323537	0.000640593
2079 Oct	451.6333923	0.06174694	0.037138369	0.00127397	14.06556988	0.024350129	199.2664185	0.000833407	0.000833407	4.35172E-06	0.011404734	0.002907577	0.24598071	0.023863336	5.95022E-06	59.85569763	6.26552E-05	0.000319185	0.000637571
2079 Nov	451.0144043	0.0622194	0.036790702	0.001267429	13.9952898	0.024487512	199.1110992	0.000830338	0.000830338	4.33625E-06	0.011397496	0.002899607	0.245798066	0.023689818	5.93355E-06	59.70175552	6.25161E-05	0.00031704	0.000633858
2079 Dec	450.4497986	0.062599458	0.036521971	0.001262558	13.94370747	0.024600921	198.9438629	0.00082819	0.00082819	4.32535E-06	0.011392225	0.002893274	0.245600387	0.023559775	5.92134E-06	59.57639694	6.24007E-05	0.000315421	0.000630952
2080 Jan	450.6419373	0.062607802	0.036526896	0.001262562	13.94439793	0.024600251	199.038208	0.000828108	0.000828108	4.32503E-06	0.011394364	0.00289411	0.245714381	0.023561478	5.92179E-06	59.59708023	6.24218E-05	0.000315449	0.000631139
2080 Feb	450.6878967	0.062617064	0.03653058	0.001262634	13.94701004	0.024601281	199.0567322	0.000828164	0.000828164	4.32533E-06	0.011395167	0.002894461	0.245736271	0.023566801	5.92223E-06	59.60490799	6.24272E-05	0.000315504	0.000631257
2080 Mar	450.7080078	0.062623784	0.036533102	0.001262705	13.94883442	0.024602635	199.0637054	0.000828223	0.000828223	4.32563E-06	0.011395714	0.002894659	0.245744482	0.023570333	5.92258E-06	59.60903931	6.24298E-05	0.00031554	0.000631324
2080 Apr	451.4400635	0.062727988	0.036593061	0.00126477	13.97223091	0.024642875	199.3858643	0.000829585	0.000829585	4.33274E-06	0.011414276	0.002899403	0.246141985	0.023610113	5.93228E-06	59.70674515	6.25312E-05	0.000316066	0.000632373
2080 May	456.1960144	0.063384965	0.036972854	0.001277804	14.12176228	0.024894053	201.4817352	0.000838216	0.000838216	4.37784E-06	0.011533312	0.002930092	0.248726159	0.023867311	5.99418E-06	60.34080887	6.31884E-05	0.000319465	0.000639205
2080 Jun	414.7124939	0.057701916	0.033821318	0.001235774	13.19463253	0.024083078	182.0274811	0.000841182	0.000841182	4.37449E-06	0.011041848	0.002716347	0.225360677	0.022444766	5.83351E-06	55.25275421	5.89746E-05	0.000305071	0.00058482
2080 Jul	402.7465515	0.055132169	0.032594584	0.001227336	12.82253933	0.024102239	176.5113983	0.000849673	0.000849673	4.41181E-06	0.010932419	0.002657058	0.218816116	0.021902986	5.82643E-06	53.69659805	5.78031E-05	0.000299448	0.000565974
2080 Aug	412.5643311	0.055291317	0.032827355	0.001241799	12.9096489	0.024686789	181.2207794	0.000860291	0.000860291	4.46933E-06	0.011100219	0.002710799	0.224620968	0.022062043	5.92228E-06	54.79096985	5.88561E-05	0.000301456	0.000574283

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Sep	416.9874268	0.055524528	0.032395329	0.001232342	12.80677223	0.024991438	183.645401	0.000854289	0.000854289	4.44164E-06	0.011115983	0.002722126	0.22762315	0.02180288	5.91463E-06	55.11956787	5.90602E-05	0.000298878	0.000572814
2080 Oct	424.6260376	0.056427423	0.032028913	0.001219155	12.67438793	0.025077021	187.7187958	0.000842636	0.000842636	4.38725E-06	0.01118272	0.002743265	0.232547283	0.021511879	5.89384E-06	55.74881744	5.9762E-05	0.000295783	0.000574249
2080 Nov	427.6248169	0.057185851	0.03172465	0.00121125	12.60530663	0.02521486	189.3699951	0.000836968	0.000836968	4.36048E-06	0.011214056	0.002749752	0.23454468	0.021337498	5.88067E-06	55.96727753	6.00034E-05	0.000293754	0.0005735
2080 Dec	430.056488	0.057254612	0.031765208	0.001211087	12.59845448	0.025209673	190.5878448	0.000835783	0.000835783	4.35571E-06	0.011242002	0.002759509	0.236023352	0.021326937	5.8859E-06	56.21025848	6.02725E-05	0.000293825	0.000575328
2081 Jan	430.2630615	0.057265241	0.031771943	0.001211178	12.60002232	0.025210582	190.6876068	0.000835774	0.000835774	4.35576E-06	0.011244778	0.00276048	0.236144319	0.021330258	5.88677E-06	56.23332977	6.02963E-05	0.000293875	0.000575544
2081 Feb	430.2695313	0.057272043	0.03177394	0.001211229	12.6019783	0.025211591	190.6876678	0.000835826	0.000835826	4.35602E-06	0.011245063	0.002760623	0.236143932	0.021334145	5.88702E-06	56.23628616	6.02972E-05	0.000293913	0.000575608
2081 Mar	430.3536072	0.057286486	0.031780981	0.001211483	12.60540867	0.025216863	190.7233887	0.00083601	0.00083601	4.35698E-06	0.011247324	0.002761219	0.23618792	0.021340266	5.88826E-06	56.24842834	6.03089E-05	0.000293988	0.00057575
2081 Apr	431.4949646	0.057434101	0.031862848	0.00121451	12.63828659	0.025278974	191.2304382	0.000838083	0.000838083	4.36781E-06	0.011276084	0.002768474	0.23681432	0.021396853	5.90317E-06	56.39765549	6.04667E-05	0.000294756	0.000577299
2081 May	414.6584778	0.058262225	0.031474717	0.001206253	13.15611553	0.025052784	181.995224	0.000849261	0.000849261	4.41477E-06	0.011063311	0.00272851	0.225335881	0.022607001	5.87281E-06	55.39347076	5.85629E-05	0.000304419	0.000583943
2081 Jun	383.8575134	0.057188891	0.030027941	0.001165896	13.35536098	0.024092117	166.3285217	0.000843593	0.000843593	4.37149E-06	0.010551633	0.002608977	0.205944449	0.023364432	5.70025E-06	52.69950104	5.49133E-05	0.000307818	0.00057505
2081 Jul	400.1915283	0.05891753	0.031064378	0.001207259	13.77814198	0.024923744	173.6293793	0.000873272	0.000873272	4.52667E-06	0.010962491	0.002711772	0.21497336	0.024126094	5.91418E-06	54.80440521	5.71979E-05	0.000318444	0.0005966
2081 Aug	420.5429993	0.060740739	0.032177344	0.001247245	14.19981766	0.025772147	182.9484711	0.000899722	0.000899722	4.66762E-06	0.011400443	0.002830589	0.226443991	0.024878483	6.13043E-06	57.31915665	5.98416E-05	0.00032904	0.000621316
2081 Sep	436.2048645	0.06101992	0.032302406	0.001247708	14.1499548	0.025959274	190.7980194	0.000895412	0.000895412	4.65352E-06	0.011586675	0.00289474	0.236039504	0.024776416	6.18079E-06	58.87314987	6.15024E-05	0.000329432	0.000631693
2081 Oct	450.6851501	0.061348218	0.032376714	0.001242803	14.05084515	0.025913253	198.146637	0.000886092	0.000886092	4.61391E-06	0.011744672	0.002949398	0.244964764	0.024608178	6.20165E-06	60.26098251	6.30787E-05	0.000328714	0.000640975
2081 Nov	455.8019714	0.061522726	0.032119066	0.001232072	13.90982151	0.025852878	200.9483948	0.000876134	0.000876134	4.56681E-06	0.01177202	0.0029607	0.248351753	0.024335505	6.17782E-06	60.63381195	6.35413E-05	0.000325916	0.000641148
2081 Dec	456.7176819	0.061599072	0.032095939	0.001231265	13.89830494	0.025865363	201.4254913	0.000875301	0.000875301	4.5631E-06	0.011782533	0.002963719	0.248931929	0.024310287	6.17804E-06	60.71406555	6.36352E-05	0.000325692	0.000641451
2082 Jan	456.9962463	0.06160469	0.032101605	0.001231251	13.89847279	0.025863413	201.5631561	0.000875181	0.000875181	4.56263E-06	0.011785619	0.002964905	0.249098584	0.024311654	6.1787E-06	60.74337006	6.36661E-05	0.000325726	0.000641707
2082 Feb	457.0593567	0.06161521	0.032106042	0.001231365	13.90129471	0.025865417	201.5897064	0.000875267	0.000875267	4.56308E-06	0.011786875	0.002965352	0.249130473	0.024317285	6.17936E-06	60.75312424	6.3674E-05	0.000325787	0.000641839
2082 Mar	457.2183228	0.061640203	0.032118116	0.00123181	13.90720177	0.025874712	201.6581268	0.000875593	0.000875593	4.56477E-06	0.011791026	0.002966444	0.249214739	0.024327923	6.1816E-06	60.77554703	6.36961E-05	0.00032592	0.000642097
2082 Apr	458.0763855	0.06175806	0.032178964	0.001234134	13.93394852	0.025923507	202.0355682	0.00087725	0.00087725	4.57341E-06	0.011813197	0.002972049	0.249680981	0.02437488	6.19326E-06	60.89037323	6.38156E-05	0.000326544	0.000643322
2082 May	462.3141785	0.062327113	0.032475416	0.001245472	14.062747	0.026161117	203.9047852	0.000885314	0.000885314	4.61546E-06	0.011922076	0.002999529	0.251990408	0.024600822	6.25029E-06	61.45396423	6.44053E-05	0.000329565	0.00064929
2082 Jun	428.8620911	0.053280078	0.028791063	0.001170216	12.435606	0.024104781	189.4815216	0.000854417	0.000854417	4.4478E-06	0.011352808	0.002776926	0.234725609	0.022042045	5.96856E-06	56.50670242	6.10178E-05	0.000304909	0.00058804
2082 Jul	404.7628174	0.049114998	0.026943091	0.00114656	11.76012802	0.023603341	178.3867188	0.000855053	0.000855053	4.44066E-06	0.011053744	0.002647219	0.221437022	0.020965889	5.87214E-06	53.39279556	5.85625E-05	0.000293892	0.000552608
2082 Aug	418.0007019	0.050062694	0.027479721	0.001171801	11.99757671	0.024317911	184.5068054	0.000873714	0.000873714	4.53968E-06	0.011335847	0.00272436	0.22900556	0.021384375	6.02068E-06	54.99144745	6.02049E-05	0.000299942	0.000566984
2082 Sep	424.296936	0.050809778	0.027530976	0.00117698	12.05929375	0.024670603	187.5416412	0.000877532	0.000877532	4.56162E-06	0.01144909	0.002755565	0.232745662	0.021454016	6.06727E-06	55.68688965	6.0889E-05	0.000301273	0.000571821
2082 Oct	420.0362244	0.051767997	0.026510693	0.001144879	11.78706551	0.024659576	186.050827	0.000855058	0.000855058	4.4479E-06	0.011295134	0.002712707	0.230833814	0.020838967	5.94181E-06	54.92410278	5.99913E-05	0.000292727	0.000559226
2082 Nov	426.8794556	0.051922541	0.026620053	0.001144922	11.77816391	0.024649644	189.4521332	0.000852632	0.000852632	4.43899E-06	0.011377264	0.002741329	0.234965175	0.020839507	5.9608E-06	55.625103	6.07596E-05	0.000293275	0.000564814
2082 Dec	429.627655	0.051926281	0.026676187	0.001145018	11.77357769	0.0246285	190.8167572	0.000851613	0.000851613	4.43519E-06	0.011408694	0.002752841	0.236622095	0.020842014	5.96821E-06	55.90723801	6.10707E-05	0.000293538	0.000567156
2083 Jan	429.8746948	0.051933523	0.026682233	0.001145084	11.77455044	0.024628596	190.9372253	0.000851582	0.000851582	4.43515E-06	0.011411885	0.002753963	0.236768305	0.020844702	5.96915E-06	55.93407059	6.10991E-05	0.000293586	0.000567398
2083 Feb	429.966095	0.051948346	0.026688902	0.001145346	11.77818012	0.024634162	190.976059	0.000851786	0.000851786	4.4362E-06	0.011414365	0.002754612	0.236816138	0.020851411	5.97051E-06	55.9473114	6.1112E-05	0.00029367	0.000567554
2083 Mar	430.1825256	0.051976658	0.026702914	0.001145934	11.78474617	0.024646793	191.0711823	0.000852228	0.000852228	4.43851E-06	0.011420151	0.002756035	0.236933932	0.020863187	5.97357E-06	55.97623062	6.11428E-05	0.000293829	0.000567859
2083 Apr	431.3255005	0.052115954	0.026774177	0.001148985	11.81641388	0.024712389	191.5782776	0.0008545	0.0008545	4.45033E-06	0.011450512	0.002763378	0.237562656	0.020919334	5.98948E-06	56.12538147	6.13052E-05	0.000294616	0.000569379
2083 May	445.6048584	0.052824453	0.027130146	0.001144119	12.18135929	0.024313658	197.9954834	0.000851965	0.000851965	4.44361E-06	0.011587611	0.00284647	0.245137021	0.021882929	6.03428E-06	58.1523819	6.28909E-05	0.000304579	0.000597954
2083 Jun	416.132019	0.051005252	0.025629705	0.001077302	12.38934803	0.022405377	183.0102234	0.000823491	0.000823491	4.28695E-06	0.010912382	0.002726805	0.226289853	0.022864029	5.75392E-06	55.72639847	5.90898E-05	0.000308592	0.000597888
2083 Jul	423.0287476	0.050685383	0.025706496	0.001091906	12.40316868	0.022784946	186.3001251	0.00083699	0.00083699	4.35755E-06	0.011085037	0.002766132	0.230406135	0.02294315	5.85141E-06	56.46500015	6.0064E-05	0.000310566	0.000602953
2083 Aug	431.9802551	0.050050855	0.025625361	0.001101082	12.36536884	0.023453768	190.7915192	0.000845476	0.000845476	4.40423E-06	0.011203723	0.002812961	0.235928431	0.022916118	5.93489E-06	57.35440063	6.08605E-05	0.000309369	0.000607556
2083 Sep	443.4335022	0.050948534	0.02535565	0.001091152	12.23597908	0.023648404	196.7460327	0.000835047	0.000835047	4.35775E-06	0.011324765	0.002851165	0.243179739	0.022614967	5.93744E-06	58.37085724	6.19764E-05	0.000306762	0.000611469
2083 Oct	443.1585388	0.052406508	0.024450051	0.001065845	11.96914768	0.023860594	197.2169342	0.000816408	0.000816408	4.26506E-06	0.011268653	0.002826095	0.243719712	0.021952989	5.84907E-06	57.99024963	6.16194E-05	0.00029861	0.000600334
2083 Nov	446.2535095	0.05284445	0.024236226	0.001058403	11.88365555	0.023902982	198.9343109	0.000809805	0.000809805	4.23369E-06	0.011289366	0.002831986	0.245796949	0.021758346	5.83193E-06	58.20293045	6.18751E-05	0.000296497	0.0005997
2083 Dec	448.2996826	0.052842699	0.024270367	0.001058359	11.87851143	0.023887236	199.9524231	0.000809033	0.000809033	4.23079E-06	0.011312902	0.002840493	0.247033685	0.021757752	5.8374E-06	58.41165161	6.21072E-05	0.000296673	0.000601402
2084 Jan	448.3226318	0.052849993	0.024271326	0.001058388	11.87970543	0.023888689	199.9619904	0.000809062	0.000809062	4.23095E-06	0.011313398	0.002840658	0.2470451	0.021759951	5.83762E-06	58.41533279	6.21098E-05	0.000296695	0.000601451
2084 Feb	448.3485718	0.052858159	0.024274144	0.001058481	11.88190079	0.023890637	199.9711914	0.000809143	0.000809143	4.23136E-06	0.011314157	0.002840909	0.247056067	0.021764223	5.83811E-06	58.42049408	6.21134E-05	0.00029674	0.000601532
2084 Mar	448.5774841	0.052887902	0.0242873	0.001059037	11.8887825	0.023903139	200.071991	0.000809574	0.000809574	4.23361E-06	0.01131999	0.002842407	0.247180402	0.021776963	5.84116E-06	58.4512825	6.21451E-05	0.000296906	0.000601864
2084 Apr	450.3918152	0.053102564	0.024385709	0.001063315	11.93713856	0.023999596	200.8808136	0.000812845	0.000812845	4.25071E-06	0.01136572	0.002853916	0.24817948	0.021865649	5.86477E-06	58.68806458	6.23963E-05	0.000298112	0.000604309
2084 May	442.9347839	0.054115821	0.024544414	0.001062208	12.48886204	0.023727659	196.2494202	0.000821917	0.000821917	4.29151E-06	0.011266734	0.002854418	0.24229987	0.023118129	5.86601E-06	58.66241837	6.15751E-05	0.000309185	0.000619395
2084 Jun	396.9885559	0.052343763	0.023233294	0.00101442	12.62965679	0.02230203	173.2661896	0.00080676	0.00080676	4.19389E-06	0.010476394	0.002659297	0.213928759	0.023685237	5.57949E-06	54.30246735	5.60754E-05	0.000309009	0.00059729
2084 Jul	407.6321411	0.052690875	0.023570182	0.001036211	12.77497005	0.022797387	178.1890564	0.000824981	0.000824981	4.28961E-06	0.010733949	0.002722189	0.22003758	0.02400155	5.71514E-06	55.56510544	5.75583E-05	0.000314058	0.000608604
2084 Aug	422.3948975	0.053288389	0.023943761	0.001054404	12.93398094	0.023372952	185.1906281	0.000838216	0.000838216	4.36236E-06	0.011000265	0.002801189	0.228650674	0.024315009	5.84481E-06	57.25901794	5.93028E-05	0.000318844	0.000623166
2084 Sep	434.2507019	0.053309653	0.023764547	0.001047168	12.78688526	0.023510689	191.3346405	0.000829591	0.000829591	4.3251E-06	0.011110539	0.002842243	0.236172721	0.024014656	5.85824E-06	58.31365967	6.04428E-05	0.00031673	0.000627584
2084 Oct	440.5347595	0.054144997	0.023250943	0.001031011	12.5563755	0.023620777	194.9174957	0.00081519	0.00081519	4.25654E-06	0.011154466	0.002850845	0.240527049	0.023494625	5.81952E-06	58.67293549	6.09629E-05	0.000311238	0.000624199
2084 Nov	442.6411743	0.054490749	0.02308654	0.001026375	12.48937035	0.02368572	196.1015778	0.000811122	0.000811122	4.23733E-06	0.011174545	0.002854455	0.241969585	0.023335731	5.81015E-06	58.80260849	6.11448E-05	0.000309573	0.000623193
2084 Dec	444.3127441	0.054491077	0.023111539	0.001026408	12.48588837	0.02367625	196.9313202	0.000810622	0.000810622	4.23562E-06	0.01119466	0.002861509	0.242978364	0.023336962	5.81525E-06	58.97413254	6.13362E-05	0.000309741	0.000624594
2085 Jan	445.3449707	0.054479472	0.023123533	0.001026211	12.48159027	0.023664279	197.4471283	0.000810133	0.000810133	4.23367E-06	0.011205825	0.002865716	0.243604347	0.023335025	5.81753E-06	59.0784874	6.14523E-05	0.00030981	0.000625443
2085 Feb	445.5066528	0.054485075	0.023127533	0.001026274	12.48302364	0.02366465	197.5243835	0.000810151	0.000810151	4.23383E-06	0.011208072	0.002866513	0.243698046	0.02333869	5.81832E-06	59.09716797	6.14713E-05	0.000309861	0.00062563
2085 Mar	445.5899963	0.054497272	0.023132414	0.001026474	12.48597145	0.02366917	197.5603638	0.000810312	0.000810312	4.23467E-06	0.01121018	0.002867083	0.243742228	0.023344306	5.81945E-06	59.1089592	6.14827E-05	0.00030993	0.000625767
2085 Apr	446.5393372	0.05461473	0.023182077	0.001028669	12.51297283	0.023719748	197.9806366	0.000812048	0.000812048	4.24374E-06	0.011234092	0.002873214	0.244260654	0.023394838	5.83189E-06	59.23535919	6.16137E-05	0.000310598	0.000627113
2085 May	443.6706543	0.055263389	0.023359226	0.001028173	12.90091801	0.023477426	195.8884583	0.000817737	0.000817737	4.27007E-06	0.011191974	0.002883974	0.241536871	0.024296578	5.83997E-06	59.47069931	6.13212E-05	0.000318849	0.000640151
2085 Jun	422.1923218	0.055008985	0.023033865	0.001015957	13.19960976	0.022916503	184.7282104	0.000820634	0.000820634	4.27389E-06	0.010873418	0.002808333	0.227746218	0.025039004	5.75143E-06	57.7081337	5.88841E-05	0.000323822	0.000636874
2085 Jul	439.2284851	0.055855379	0.023575706	0.001042917	13.45045185	0.023576342	192.647522	0.000841803	0.000841803	4.38715E-06	0.011227626	0.002905976	0.237484992	0.0255711	5.92887E-06	59.75148392	6.10806E-05	0.000331288	0.000656213
2085 Aug	454.0753174	0.055170994	0.023469757	0.001042221	13.30980968	0.023878109	200.2188873	0.00083904	0.00083904	4.38054E-06	0.011382082	0.00296601	0.246776357	0.025341172	5.98466E-06	61.14288712	6.2539E-05	0.000329869	0.000663573
2085 Sep	465.4592285	0.055142604	0.022807224	0.001020762	12.93799496	0.023982666	206.5542145	0.00081915	0.00081915	4.28719E-06	0.01144019	0.002988615	0.254541606	0.024560608	5.94411E-06	61.88149261	6.34611E-05	0.000322479	0.000660261
2085 Oct	475.2234192	0.055631619	0.022327689	0.001002998	12.6569109	0.023955131	211.9179077	0.000802059	0.000802059	4.20689E-06	0.011515302	0.003009646	0.261059225	0.023986049	5.90839E-06	62.56116867	6.43956E-05	0.00031687	0.000659306
2085 Nov	478.7460632	0.055874277	0.02208248	0.000994511	12.52514839	0.023950828	213.9141541	0.000794223	0.000794223	4.16963E-06	0.011537559	0.003014842	0.263484687	0.02370961	5.88778E-06	62.76810837	6.47106E-05	0.000314062	0.000657867
2085 Dec	479.9874573	0.055868838	0.022095313	0.000994377	12.52044582	0.023941606	214.5335541	0.000793757	0.000793757	4.16789E-06	0.011552062	0.00301996	0.264237583	0.023707252	5.89113E-06	62.8936348	6.4852E-05	0.000314151	0.000658865
2086 Jan	480.1166687	0.055873375	0.022097062	0.000994373	12.52089977	0.023941377	214.5966492	0.000793725	0.000793725	4.16779E-06	0.011553652	0.003020542	0.264313966	0.023708772	5.89155E-06	62.90777206	6.48666E-05	0.000314176	0.000658994
2086 Feb	480.1229248	0.05587896	0.022098744	0.000994411	12.52252865	0.023942072	214.5971375	0.000793764	0.000793764	4.16799E-06	0.011553871	0.003020664	0.264314145	0.023712039	5.89174E-06	62.91033936	6.48674E-05	0.000314207	0.000659049
2086 Mar	480.2504883	0.055894587	0.022104848	0.000994657	12.526227	0.023947785	214.6536255	0.000793962	0.000793962	4.16903E-06	0.011556796	0.003021481	0.264383346	0.023719231	5.89324E-06	62.92758942	6.48843E-05	0.000314297	0.000659242
2086 Apr	481.6587219	0.056058619	0.022169711	0.000997558	12.56309605	0.02401749	215.2828979	0.000796277	0.000796277	4.18119E-06	0.011590571	0.003030344	0.265158176	0.023789171	5.91045E-06	63.11233902	6.50743E-05	0.000315221	0.000661183
2086 May	484.8643799	0.056656908	0.022411093	0.001005385	12.77639675	0.024116082	216.4849854	0.000804186	0.000804186	4.2218E-06	0.011672636	0.003058573	0.266592354	0.024248159	5.96032E-06	63.70774841	6.55387E-05	0.000320249	0.000670597
2086 Jun	427.8866272	0.053059407	0.021020766	0.000968903	12.63151836	0.022569969	188.3676147	0.000798488	0.000798488	4.16673E-06	0.010827156	0.002804782	0.232195675	0.024225842	5.6752E-06	57.8470549	5.92134E-05	0.000315662	0.000629914
2086 Jul	435.6034546	0.052481152	0.021072781	0.000988478	12.61725044	0.02295523	192.0314026	0.000817468	0.000817468	4.2651E-06	0.011061393	0.002848735	0.236843675	0.024274806	5.80361E-06	58.6475563	6.04796E-05	0.000318542	0.000634772
2086 Aug	456.3992615	0.052429967	0.021276096	0.000999843	12.64304256	0.023449952	202.2268372	0.000824389	0.000824389	4.30935E-06	0.011359984	0.002947534	0.249333367	0.02440007	5.93128E-06	60.84737015	6.27929E-05	0.000321441	0.000651661
2086 Sep	466.5463867	0.052248262	0.020792173	0.000986073	12.38266945	0.023698784	207.7514954	0.000811537	0.000811537	4.25039E-06	0.011417438	0.00297325	0.256145507	0.02382743	5.91822E-06	61.5814209	6.35695E-05	0.000316359	0.000650072
2086 Oct	480.3811646	0.052657958	0.020703595	0.000979632	12.26467896	0.023703147	214.8014374	0.00080299	0.00080299	4.21436E-06	0.011579109	0.003024726	0.264720142	0.023627611	5.94021E-06	62.88736343	6.50915E-05	0.000315329	0.000658087
2086 Nov	484.0143127	0.052716084	0.020756565	0.000980526	12.26966763	0.023712825	216.5805511	0.000802947	0.000802947	4.21582E-06	0.011629614	0.003041126	0.266887337	0.023654416	5.95624E-06	63.27448654	6.55192E-05	0.000315973	0.000661383
2086 Dec	485.8325806	0.052701119	0.020774223	0.000980307	12.26323509	0.023697361	217.4862366	0.000802287	0.000802287	4.21339E-06	0.011650762	0.003048687	0.267987907	0.023653233	5.96124E-06	63.45962906	6.57268E-05	0.000316128	0.000662887
2087 Jan	486.0327759	0.052703217	0.020776631	0.000980301	12.26324272	0.023696451	217.5848846	0.000802236	0.000802236	4.21322E-06	0.011653214	0.00304956	0.268107653	0.023654401	5.96189E-06	63.48080063	6.57497E-05	0.000316157	0.00066307
2087 Feb	486.1206055	0.052714657	0.020780938	0.000980477	12.26608181	0.023700545	217.6232452	0.000802383	0.000802383	4.21399E-06	0.011655271	0.003050143	0.268154621	0.023659993	5.96297E-06	63.49304962	6.57614E-05	0.000316225	0.000663213
2087 Mar	486.4247131	0.05274922	0.020794393	0.0009811	12.27422333	0.023715528	217.7586517	0.000802895	0.000802895	4.21668E-06	0.01166259	0.003052078	0.268321335	0.02367573	5.96674E-06	63.53332138	6.58025E-05	0.000316432	0.000663642
2087 Apr	487.1452637	0.052828301	0.02082547	0.000982559	12.29268265	0.023750767	218.0807953	0.000804091	0.000804091	4.22296E-06	0.011679888	0.003056615	0.268718213	0.023711354	5.97561E-06	63.62775803	6.59E-05	0.000316905	0.000664633
2087 May	478.4534912	0.053326081	0.020916909	0.000984468	12.54309368	0.023682497	213.3710938	0.000810195	0.000810195	4.24894E-06	0.0115784	0.003033346	0.262894452	0.024224494	5.96229E-06	63.03900528	6.49427E-05	0.000320987	0.000666095
2087 Jun	433.8325806	0.052734371	0.020453077	0.000967853	12.88172245	0.022840066	190.7342529	0.000813547	0.000813547	4.24416E-06	0.010941351	0.002856817	0.235075742	0.024980079	5.77106E-06	58.91091537	5.98838E-05	0.000323888	0.000645502
2087 Jul	448.3771057	0.052708261	0.02066935	0.000985271	12.95526505	0.023322301	197.7056122	0.000828081	0.000828081	4.3234E-06	0.011217488	0.002933893	0.243656635	0.025208918	5.90717E-06	60.51961517	6.17096E-05	0.000327752	0.00065878

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Aug	466.419342	0.053538557	0.021109544	0.001007673	13.18472385	0.023957377	206.1751709	0.000845843	0.000845843	4.42015E-06	0.011559472	0.003033581	0.254051536	0.025704872	6.07265E-06	62.65128326	6.39301E-05	0.000334745	0.000678549
2087 Sep	485.9353027	0.054232441	0.021248449	0.001012086	13.197855	0.02419514	215.7744904	0.000846518	0.000846518	4.4326E-06	0.011846379	0.003120655	0.26577431	0.025779102	6.16367E-06	64.69760132	6.62005E-05	0.00033749	0.000694439
2087 Oct	498.2423096	0.05443823	0.021049889	0.001001912	13.02358341	0.024130926	222.1672516	0.000835199	0.000835199	4.3821E-06	0.011971658	0.003161619	0.273546249	0.025470363	6.16596E-06	65.78456116	6.75145E-05	0.000335162	0.000699785
2087 Nov	499.9085388	0.054618325	0.020943595	0.000998736	12.97152233	0.024157645	223.0946198	0.000832275	0.000832275	4.36838E-06	0.011987701	0.003164796	0.274677098	0.025354447	6.15994E-06	65.89134979	6.76714E-05	0.00033401	0.000699219
2087 Dec	502.7145691	0.054576155	0.020961056	0.000998068	12.95722961	0.024127178	224.4990692	0.000831033	0.000831033	4.3635E-06	0.012018999	0.003176202	0.276383281	0.025345914	6.16661E-06	66.17321777	6.79896E-05	0.000334178	0.000701146
2088 Jan	503.2867126	0.054573022	0.020965654	0.000997977	12.95554543	0.024122333	224.7834473	0.000830826	0.000830826	4.36273E-06	0.012025633	0.003178602	0.27672866	0.025346439	6.16818E-06	66.23203278	6.80547E-05	0.000334234	0.000701948
2088 Feb	503.3305359	0.054578196	0.020967593	0.000998024	12.95698071	0.024123164	224.8026733	0.000830865	0.000830865	4.36295E-06	0.012026394	0.003178883	0.276751757	0.025349503	6.16855E-06	66.23831177	6.806E-05	0.000334268	0.000702029
2088 Mar	503.6559753	0.054615743	0.020981804	0.000998683	12.96601868	0.024139024	224.9469757	0.000831418	0.000831418	4.36584E-06	0.012034219	0.003180976	0.276929229	0.025367204	6.1726E-06	66.28191376	6.8104E-05	0.000334496	0.000702503
2088 Apr	506.4767456	0.0549246	0.021100173	0.001004294	13.0395155	0.024274511	226.2054596	0.000836093	0.000836093	4.39039E-06	0.012101671	0.003198842	0.278478295	0.02551103	6.20725E-06	66.6541748	6.84855E-05	0.000336385	0.000706464
2088 May	512.6560669	0.055660371	0.021377539	0.001016465	13.22204399	0.024559867	228.9290314	0.000846356	0.000846356	4.44422E-06	0.012247371	0.003239078	0.281819224	0.025873119	6.28289E-06	67.49746704	6.93154E-05	0.000340929	0.000715953
2088 Jun	462.1723328	0.05107386	0.019885084	0.001001745	12.50043488	0.023764521	204.8984985	0.000850364	0.000850364	4.44174E-06	0.011640889	0.002985719	0.252869397	0.024468733	6.08554E-06	61.47929764	6.40975E-05	0.000326052	0.000654803
2088 Jul	468.1397705	0.050899211	0.020011134	0.001025625	12.56862164	0.024206884	207.5476685	0.000873912	0.000873912	4.56197E-06	0.011888907	0.003026647	0.256301641	0.024653167	6.22727E-06	62.18231201	6.52651E-05	0.000330689	0.000660025
2088 Aug	493.6259766	0.052521721	0.020722715	0.001060893	12.97033882	0.025105447	219.3604279	0.000902588	0.000902588	4.7164E-06	0.012409776	0.003171165	0.270822108	0.025489384	6.47735E-06	65.27646637	6.85304E-05	0.000342722	0.000689882
2088 Sep	512.5477295	0.052881397	0.020857541	0.001063898	12.97841454	0.025261208	228.66539	0.000902356	0.000902356	4.72404E-06	0.01267119	0.00325567	0.282177627	0.02557911	6.56117E-06	67.27021027	7.0702E-05	0.000345552	0.000705883
2088 Oct	508.2290649	0.053516794	0.020049324	0.001036193	12.63601303	0.025199886	227.2613678	0.000879381	0.000879381	4.60793E-06	0.012521184	0.003207659	0.28041628	0.024781248	6.43432E-06	66.38726807	6.98567E-05	0.000335649	0.000690434
2088 Nov	507.0211792	0.053863723	0.019880041	0.001032042	12.58638287	0.02527158	226.7855988	0.000876326	0.000876326	4.59221E-06	0.012499805	0.003197715	0.279835999	0.024638737	6.41479E-06	66.18704224	6.96588E-05	0.000333823	0.000687004
2088 Dec	508.9390869	0.053845853	0.019891245	0.001031668	12.5790596	0.025255142	227.7412872	0.000875611	0.000875611	4.58954E-06	0.012521956	0.003205693	0.280997097	0.024637736	6.41997E-06	66.38259888	6.9877E-05	0.000333985	0.000688594
2089 Jan	509.0416565	0.053851575	0.019892728	0.001031692	12.57990646	0.025255965	227.7905121	0.000875619	0.000875619	4.58963E-06	0.012523422	0.003206192	0.281056762	0.02463985	6.42046E-06	66.39435577	6.98888E-05	0.000334015	0.000688708
2089 Feb	509.086853	0.053860608	0.019895734	0.00103181	12.58226967	0.025258692	227.8087616	0.000875725	0.000875725	4.59018E-06	0.012524622	0.003206548	0.281078964	0.024644511	6.42115E-06	66.40171051	6.9895E-05	0.000334067	0.000688807
2089 Mar	509.4903564	0.053905364	0.019912107	0.001032638	12.59286213	0.025278851	227.9883575	0.00087643	0.0087643	4.59387E-06	0.012534571	0.003209124	0.281300366	0.02466529	6.42628E-06	66.45507813	6.99504E-05	0.000334343	0.000689372
2089 Apr	511.2929382	0.054097578	0.019982994	0.001036299	12.63786221	0.025368404	228.794281	0.000879539	0.000879539	4.61016E-06	0.012578934	0.003220503	0.282294601	0.024753451	6.44905E-06	66.69072723	7.01979E-05	0.000335534	0.000691825
2089 May	499.3139648	0.054838683	0.02016909	0.001038887	12.99411392	0.025265587	222.3019257	0.000886969	0.000886969	4.64105E-06	0.012429703	0.003188236	0.274254918	0.025469944	6.42576E-06	65.88524628	6.88462E-05	0.000341117	0.000694082
2089 Jun	460.3555603	0.054788753	0.020040672	0.001024937	13.42917252	0.024484223	202.365799	0.000888132	0.000888132	4.62786E-06	0.011843174	0.003039299	0.249676064	0.026382443	6.24804E-06	62.43151855	6.43207E-05	0.000345537	0.000680545
2089 Jul	482.3650818	0.054840259	0.02030126	0.001042375	13.51578712	0.024977149	212.9877319	0.000902007	0.000902007	4.70725E-06	0.012214825	0.003150557	0.262690336	0.026689949	6.41415E-06	64.85056305	6.69955E-05	0.000350779	0.00070105
2089 Aug	505.2005615	0.055029072	0.020567212	0.001058677	13.62045288	0.025536153	224.0202637	0.000914524	0.000914524	4.78024E-06	0.012579637	0.003265701	0.276188344	0.027017392	6.57717E-06	67.37003326	6.96669E-05	0.000355892	0.000722434
2089 Sep	526.2095947	0.055288471	0.020406168	0.001049269	13.45466232	0.025533207	234.6789093	0.000903162	0.000903162	4.73356E-06	0.012819534	0.003346147	0.289165825	0.026771974	6.61819E-06	69.38785553	7.19616E-05	0.000355098	0.000735539
2089 Oct	526.4403687	0.055811301	0.019417282	0.001013985	12.96295357	0.025385577	235.7836914	0.000872354	0.000872354	4.5807E-06	0.012700822	0.003307381	0.290465951	0.025687287	6.47553E-06	68.80756378	7.15751E-05	0.000342661	0.000719564
2089 Nov	528.3396606	0.056021616	0.019338643	0.001011842	12.92944145	0.025428211	236.79245	0.000870359	0.000870359	4.57169E-06	0.01272398	0.003312919	0.291696489	0.025609789	6.47485E-06	68.96039581	7.1767E-05	0.000341944	0.000719727
2089 Dec	530.0319824	0.056008358	0.019347399	0.001011583	12.92376709	0.025416341	237.6338196	0.000869833	0.000869833	4.56986E-06	0.012744224	0.003320047	0.292719364	0.025610602	6.47992E-06	69.13396454	7.19609E-05	0.000342111	0.000721144
2090 Jan	530.3512573	0.056014769	0.019350994	0.00101164	12.92471409	0.025417147	237.7892151	0.000869837	0.000869837	4.57002E-06	0.012748658	0.003321525	0.29290837	0.02561434	6.48136E-06	69.16883087	7.19984E-05	0.00034218	0.000721456
2090 Feb	530.4527588	0.056027837	0.019355427	0.00101183	12.92797184	0.025421703	237.8335724	0.000870004	0.000870004	4.5709E-06	0.012751017	0.0033222	0.292962581	0.0256209	6.48259E-06	69.18305206	7.20119E-05	0.000342259	0.000721623
2090 Mar	530.7825317	0.056063332	0.019367691	0.001012447	12.93629074	0.025437044	237.9810181	0.000870534	0.000870534	4.57369E-06	0.012758834	0.003324275	0.293143958	0.025637487	6.48656E-06	69.22644806	7.20564E-05	0.000342477	0.000722084
2090 Apr	531.9176025	0.056184448	0.01940947	0.00101462	12.96431541	0.025491582	238.4893494	0.000872404	0.000872404	4.58351E-06	0.012786145	0.003331405	0.293770015	0.025693027	6.50047E-06	69.37490845	7.22105E-05	0.000343216	0.000723639
2090 May	541.7489014	0.056410506	0.019569017	0.001017667	13.0453701	0.025495797	243.1748352	0.000874302	0.000874302	4.59741E-06	0.012928402	0.003380547	0.299456686	0.02593131	6.55252E-06	70.51926422	7.33913E-05	0.00034662	0.000735258
2090 Jun	520.6520996	0.051676124	0.018606033	0.000955129	12.55482674	0.022961648	233.4208527	0.00082882	0.00082882	4.36093E-06	0.012318134	0.003252923	0.287227273	0.025449002	6.23757E-06	68.06053162	7.07721E-05	0.000339368	0.000720543
2090 Jul	527.5044556	0.051420514	0.018687934	0.000973643	12.59199142	0.023354098	236.6006317	0.000846925	0.000846925	4.45445E-06	0.012532632	0.003294584	0.291256577	0.025580345	6.35702E-06	68.82486725	7.1893E-05	0.000342751	0.000726078
2090 Aug	528.6898804	0.050042279	0.018071797	0.000961771	12.28832054	0.023808332	237.7866516	0.000837951	0.000837951	4.41079E-06	0.012434443	0.003282863	0.292830765	0.024898466	6.32386E-06	68.57459259	7.14251E-05	0.000335089	0.00071502
2090 Sep	530.2426147	0.050462566	0.017302107	0.000937449	11.92631245	0.02392439	239.3057556	0.000816809	0.000816809	4.30662E-06	0.012363083	0.003260446	0.29470101	0.02405254	6.23297E-06	68.27140808	7.11937E-05	0.000325716	0.000702816
2090 Oct	513.5058594	0.052257638	0.016290501	0.00091245	11.59548473	0.024256494	231.8329773	0.000798226	0.000798226	4.2067E-06	0.012105508	0.003156237	0.28560251	0.023076052	6.0725E-06	66.02354431	6.89391E-05	0.000312798	0.0006737027
2090 Nov	509.891449	0.052602883	0.016006066	0.000903967	11.48225975	0.024282312	230.2993164	0.000791379	0.000791379	4.17105E-06	0.012035964	0.003130432	0.28372702	0.022781579	6.02453E-06	65.49062347	6.84191E-05	0.000309041	0.000665485
2090 Dec	512.2125244	0.052574631	0.016013732	0.000903421	11.47239017	0.024261065	231.4564972	0.000790515	0.000790515	4.16783E-06	0.012062858	0.003140074	0.285133094	0.022779854	6.03081E-06	65.72701263	6.8684E-05	0.000309236	0.000667405
2091 Jan	513.0708618	0.052561976	0.016016588	0.000903165	11.46889877	0.024251062	231.8842163	0.000790151	0.000790151	4.16641E-06	0.0120724	0.003143637	0.285652131	0.022780051	6.03292E-06	65.81491089	6.87813E-05	0.000309313	0.000668138
2091 Feb	513.2896118	0.052562125	0.016018504	0.000903124	11.46925259	0.024248753	231.9912109	0.000790087	0.000790087	4.16619E-06	0.012074899	0.00314462	0.285781562	0.022782685	6.03357E-06	65.83883667	6.88061E-05	0.000309356	0.000668365
2091 Mar	513.8322144	0.05261803	0.016035706	0.000904055	11.48166466	0.024273487	232.2360687	0.000790902	0.000790902	4.17049E-06	0.012087469	0.003147951	0.286082804	0.022807518	6.03984E-06	65.90888214	6.88784E-05	0.000309688	0.000669088
2091 Apr	515.9429932	0.052835848	0.016102077	0.00090778	11.52932167	0.024373394	233.1893005	0.000794162	0.000794162	4.18768E-06	0.012137161	0.003160911	0.287256926	0.022902183	6.0647E-06	66.18019867	6.91614E-05	0.000310969	0.000671851
2091 May	514.2577515	0.053587958	0.016390497	0.000916946	11.822258	0.024464563	231.852417	0.000804401	0.000804401	4.23752E-06	0.012159956	0.003172133	0.285576314	0.023501026	6.10278E-06	66.35663605	6.9074E-05	0.000316868	0.000679602
2091 Jun	463.3320618	0.052806742	0.016510962	0.000905733	12.32606697	0.023297733	205.8536224	0.00080774	0.0080774	4.22946E-06	0.011408156	0.002974676	0.253576159	0.024564894	5.88046E-06	61.75173569	6.33053E-05	0.000322194	0.000660193
2091 Jul	483.285553	0.05388492	0.016973235	0.000935775	12.62489223	0.024008343	215.0662689	0.000834527	0.000834527	4.37201E-06	0.011853022	0.003089937	0.264934897	0.025232576	6.09761E-06	64.17608643	6.60044E-05	0.000332235	0.00068352
2091 Aug	498.5811157	0.053088356	0.016772622	0.000933587	12.47267151	0.024333417	222.8708496	0.000831687	0.000831687	4.36524E-06	0.012008782	0.003151473	0.274529725	0.024986038	6.15516E-06	65.60903168	6.7483E-05	0.000330886	0.00069087
2091 Sep	513.4825439	0.052450046	0.016392266	0.00092095	12.21188641	0.024463154	230.7002869	0.000818996	0.000818996	4.30928E-06	0.012121153	0.003199629	0.284145236	0.024486974	6.16401E-06	66.86695099	6.88404E-05	0.000327195	0.000694668
2091 Oct	520.2571411	0.052757904	0.015863106	0.000900008	11.89296246	0.024323879	234.6586304	0.000799178	0.000799178	4.21402E-06	0.012139702	0.003204533	0.288931817	0.023836903	6.10194E-06	67.19464111	6.94134E-05	0.000320391	0.000690581
2091 Nov	516.8331299	0.053322509	0.015465058	0.000888693	11.72244358	0.024389517	233.3368225	0.000789713	0.000789713	4.16549E-06	0.012071155	0.003175022	0.287318945	0.023401087	6.04295E-06	66.60188293	6.88913E-05	0.000315082	0.000680826
2091 Dec	518.3258667	0.053344496	0.015456244	0.000888134	11.71234226	0.024386749	234.0898895	0.000789025	0.000789025	4.16276E-06	0.012089289	0.003180898	0.288235039	0.023388596	6.04642E-06	66.74778748	6.90597E-05	0.000315078	0.000681841
2092 Jan	519.9936523	0.053308465	0.015458672	0.000887534	11.70333672	0.024364186	234.9241791	0.000788239	0.000788239	4.15963E-06	0.012107385	0.003187703	0.289247543	0.023385454	6.05014E-06	66.91645813	6.92485E-05	0.000315192	0.00068322
2092 Feb	520.4227905	0.053310137	0.015462168	0.00088752	11.70403767	0.024361998	235.1338043	0.00078818	0.00078818	4.15953E-06	0.012112807	0.003189655	0.289501935	0.023390314	6.05176E-06	66.96320343	6.92983E-05	0.00031528	0.00068365
2092 Mar	521.0551758	0.053377271	0.015481744	0.000888604	11.71902943	0.024391504	235.4183197	0.000789145	0.000789145	4.16462E-06	0.0121275	0.003193571	0.289851904	0.023420328	6.05914E-06	67.04550934	6.93823E-05	0.000315677	0.000684507
2092 Apr	522.8270264	0.053560682	0.015534964	0.000891639	11.75943947	0.024474669	236.2179718	0.000791841	0.000791841	4.17884E-06	0.012168782	0.003204463	0.290836304	0.023501078	6.07979E-06	67.27415466	6.96183E-05	0.000316761	0.000686852
2092 May	528.0288086	0.053985007	0.015835498	0.000895427	12.01129913	0.024328997	238.3277283	0.00079634	0.00079634	4.20325E-06	0.012246515	0.003243079	0.293306142	0.024112759	6.1208E-06	68.1606369	7.02964E-05	0.000323265	0.000701296
2092 Jun	463.7590027	0.049935784	0.015416599	0.000851196	11.95064449	0.021823602	206.6223755	0.000769765	0.000769765	4.04042E-06	0.011133644	0.002949805	0.254265189	0.024222389	5.69864E-06	61.61120224	6.2898E-05	0.0003177	0.000661198
2092 Jul	466.902832	0.048196178	0.015151114	0.000854481	11.67201614	0.021753848	208.4804688	0.000773973	0.000773973	4.06331E-06	0.011217264	0.002955368	0.25667873	0.02378504	5.73752E-06	61.65719223	6.35021E-05	0.000314917	0.000656548
2092 Aug	495.6498413	0.048905585	0.015471069	0.000871268	11.84673405	0.022274414	222.2879333	0.000787225	0.000787225	4.14257E-06	0.011683607	0.003098689	0.273575366	0.024265949	5.92936E-06	64.88259888	6.69414E-05	0.000323092	0.000685049
2092 Sep	530.9195557	0.048407387	0.015343921	0.000859598	11.61391926	0.02214505	240.0393677	0.000772374	0.000772374	4.08519E-06	0.01207823	0.003239993	0.295199782	0.024027411	6.01798E-06	68.36275482	7.08286E-05	0.000323899	0.000710195
2092 Oct	553.2047119	0.048338797	0.015125181	0.000845558	11.38052082	0.0219504	251.4259186	0.000756651	0.000756651	4.01741E-06	0.012312561	0.003321916	0.309032917	0.023699922	6.04405E-06	70.45835876	7.32744E-05	0.000322223	0.000723773
2092 Nov	561.876709	0.048291374	0.01507371	0.000841312	11.308568	0.021878911	255.8187866	0.000751656	0.000751656	3.99662E-06	0.012407945	0.003355308	0.31437093	0.023614837	6.05942E-06	71.2976532	7.42406E-05	0.000322056	0.000729695
2092 Dec	562.9111328	0.048295327	0.015078271	0.000841309	11.30744553	0.021877987	256.3286438	0.000751536	0.000751536	3.9965E-06	0.012421674	0.003359866	0.314991564	0.023619695	6.06348E-06	71.40634155	7.43613E-05	0.000322208	0.000730603
2093 Jan	563.5322266	0.048286054	0.015079075	0.000841108	11.3045969	0.02187115	256.6385803	0.000751272	0.000751272	3.99548E-06	0.012428612	0.003362432	0.315367818	0.023619249	6.065E-06	71.46961975	7.44317E-05	0.000322257	0.000731123
2093 Feb	563.8074951	0.0482901	0.015081754	0.000841146	11.3056879	0.021871246	256.7718811	0.000751282	0.000751282	3.99565E-06	0.012432394	0.003363733	0.315529823	0.023623463	6.06626E-06	71.50025177	7.44641E-05	0.000322326	0.000731409
2093 Mar	565.2553101	0.048366763	0.015108754	0.000842478	11.32357979	0.021904372	257.4508362	0.000752416	0.000752416	4.00196E-06	0.012459354	0.003371547	0.316360712	0.023665126	6.07808E-06	71.67272186	7.46468E-05	0.000322934	0.000733085
2093 Apr	567.390564	0.048542053	0.015164037	0.000845521	11.36465931	0.021983193	258.4263916	0.000755126	0.000755126	4.01642E-06	0.012505571	0.003384154	0.317558825	0.023751698	6.10041E-06	71.94181824	7.49273E-05	0.000324121	0.000735827
2093 May	569.6106567	0.049171738	0.015448119	0.000852261	11.62453175	0.021993995	259.0662842	0.000762478	0.000762478	4.0537E-06	0.01256436	0.00341033	0.31827119	0.024322126	6.14222E-06	72.50082397	7.52704E-05	0.000330012	0.000746599
2093 Jun	506.3984375	0.048291359	0.015460628	0.000842774	11.96612072	0.021009818	227.3347778	0.000765258	0.000765258	4.03748E-06	0.011663225	0.003147633	0.279376686	0.024883287	5.86526E-06	66.34318542	6.80681E-05	0.00032924	0.000708634
2093 Jul	518.8150024	0.048500348	0.015652835	0.000863469	12.09686756	0.02154851	233.1301727	0.000784731	0.000784731	4.14027E-06	0.01195013	0.003219573	0.286555499	0.025216024	6.01513E-06	67.79693604	6.97609E-05	0.000334564	0.000721438
2093 Aug	540.7487183	0.048829544	0.015843201	0.000877113	12.20885181	0.022036193	243.6987762	0.000796138	0.000796138	4.20727E-06	0.012304435	0.003329703	0.299493462	0.025553502	6.16832E-06	70.23690796	7.23503E-05	0.00034013	0.000742441
2093 Sep	557.2589722	0.049128503	0.015626488	0.000869666	12.0551815	0.022130493	252.1178741	0.000787842	0.000787842	4.1738E-06	0.012502036	0.003391885	0.30976668	0.025296744	6.20416E-06	71.7879715	7.41463E-05	0.000338885	0.000751341
2093 Oct	547.9523926	0.050149146	0.014688474	0.000841959	11.59938145	0.022265306	248.4955902	0.000763478	0.000763478	4.04868E-06	0.012304775	0.003313177	0.30536285	0.024141759	6.05043E-06	70.18981934	7.27152E-05	0.000324954	0.000725457
2093 Nov	545.6860352	0.050890777	0.014358007	0.000834783	11.46936512	0.022457739	247.674881	0.000757448	0.000757448	4.01778E-06	0.012272058	0.003291935	0.304383129	0.023770282	6.01307E-06	69.75366974	7.23508E-05	0.000320544	0.000717127
2093 Dec	546.9147949	0.050895128	0.014360586	0.000834701	11.4668684	0.022456368	248.282608	0.00075725	0.00075725	4.01736E-06	0.012288158	0.00329727	0.305123001	0.023773719	6.01764E-06	69.88148499	7.24936E-05	0.000320699	0.000718171
2094 Jan	547.8087769	0.050882172	0.014361406	0.000834443	11.46321297	0.022447489	248.7277222	0.000756915	0.000756915	4.01611E-06	0.012298401	0.003301009	0.305663526	0.023774106	6.02004E-06	69.97315216	7.25954E-05	0.000320782	0.00071893
2094 Feb	548.0610962	0.050883934	0.014363409	0.000834429	11.46391678	0.022446124	248.8505249	0.000756881	0.000756881	4.01606E-06	0.012301555	0.003302174	0.305812359	0.023777643	6.02099E-06	70.00105286	7.26245E-05	0.00032084	0.000719194
2094 Mar	548.5720825	0.050932586	0.014377299	0.000835198	11.47507954	0.022466594	249.0818481	0.00075758	0.00075758	4.01977E-06	0.012312919	0.003305273	0.306096315	0.023800856	6.02656E-06	70.06693268	7.26919E-05	0.000321147	0.000719884
2094 Apr	549.9338379	0.051060762	0.014413516	0.000837283	11.5040741	0.02252258	249.6993713	0.000759473	0.000759473	4.02981E-06	0.012343525	0.003313508	0.306855053	0.023860944	6.04157E-06	70.24145508	7.28724E-05	0.000321954	0.000721686
2094 May	547.8380737	0.05126461	0.014685738	0.000836446	11.75485039	0.022202211	248.2355957	0.000760418	0.000760418	4.03307E-06	0.012289994	0.003318116	0.304927886	0.024452399	6.03219E-06	70.36922455	7.2643E-05	0.00032726	0.000730739
2094 Jun	529.3769531	0.051183436	0.015119879	0.000837993	12.20472336	0.021559805	238.3256378	0.000767265	0.000767265	4.05779E-06	0.012025773	0.00326301	0.292637974	0.025457243	5.97458E-06	69.05417633	7.06597E-05	0.000335447	0.000734341

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Jul	555.0072021	0.052238297	0.015547548	0.000866599	12.50743198	0.022296535	250.3268433	0.000793172	0.000793172	4.19858E-06	0.012534549	0.003404645	0.307370812	0.026189707	6.21277E-06	72.09738922	7.39644E-05	0.000346278	0.000763244
2094 Aug	594.4799805	0.053434782	0.016024886	0.000891513	12.80825806	0.022982171	269.161438	0.000814073	0.000814073	4.3208E-06	0.013197485	0.003606164	0.330391914	0.027004521	6.48835E-06	76.61112213	7.87817E-05	0.000358998	0.000804875
2094 Sep	611.7085571	0.053667001	0.015730295	0.000881534	12.60208797	0.023047019	278.0247498	0.000803481	0.000803481	4.27629E-06	0.013396828	0.003668038	0.34120813	0.026647661	6.51691E-06	78.17786407	8.06462E-05	0.00035677	0.000812883
2094 Oct	617.3215332	0.053718232	0.015086911	0.000857757	12.18959141	0.022914683	281.5792847	0.000780772	0.000780772	4.16623E-06	0.013384289	0.003661769	0.34552902	0.025786702	6.43699E-06	78.26559448	8.10286E-05	0.000347734	0.000804522
2094 Nov	616.4282227	0.054071873	0.014481517	0.000838471	11.84851456	0.022923565	281.819397	0.000763026	0.000763026	4.07782E-06	0.013312848	0.003631305	0.345829904	0.025000568	6.35137E-06	77.73187256	8.06936E-05	0.000338917	0.000791553
2094 Dec	617.0437012	0.05407992	0.014444234	0.00083709	11.82413673	0.022917232	282.1688232	0.000761686	0.000761686	4.07145E-06	0.013316162	0.00363221	0.346255183	0.024951344	6.34793E-06	77.76709747	8.07496E-05	0.000338429	0.000791306
2095 Jan	618.3272095	0.054053813	0.01444363	0.000836654	11.81764412	0.022902522	282.8097839	0.000761155	0.000761155	4.06941E-06	0.01333053	0.00363751	0.34703359	0.024949977	6.35115E-06	77.89758301	8.08954E-05	0.00033853	0.000792373
2095 Feb	618.5333252	0.054058824	0.014446167	0.000836682	11.81920147	0.022902405	282.9084473	0.000761168	0.000761168	4.06957E-06	0.013333317	0.003638525	0.347153038	0.024954742	6.35211E-06	77.92147064	8.09195E-05	0.000338596	0.000792614
2095 Mar	619.0518188	0.054085921	0.014454595	0.000837078	11.82535362	0.022912527	283.1521912	0.000761512	0.000761512	4.07152E-06	0.013342566	0.003641291	0.347450763	0.024969526	6.35604E-06	77.98319244	8.09841E-05	0.000338807	0.00079322
2095 Apr	620.9967651	0.054257166	0.014500477	0.000839711	11.86295033	0.022984438	284.0411377	0.000763908	0.000763908	4.08433E-06	0.013384463	0.003652754	0.348541349	0.025048893	6.37602E-06	78.22874451	8.12384E-05	0.000339879	0.000795728
2095 May	603.0001221	0.054818992	0.014824805	0.000845884	12.21978283	0.022867445	274.591156	0.000772796	0.000772796	4.11971E-06	0.013158925	0.003593496	0.336917579	0.02570688	6.33307E-06	76.76842499	7.92159E-05	0.000344485	0.000792257
2095 Jun	577.0481567	0.05556903	0.015333589	0.000860651	12.76436901	0.022776997	260.867218	0.000791664	0.000791664	4.2009E-06	0.012875153	0.003512292	0.320083588	0.026725685	6.30041E-06	74.69936371	7.64272E-05	0.000352424	0.000787855
2095 Jul	600.1837158	0.057028554	0.015806466	0.000892974	13.1528492	0.023697186	271.519989	0.000821611	0.000821611	4.36058E-06	0.013367619	0.003648533	0.33316797	0.027587872	6.54618E-06	77.56446838	7.94216E-05	0.000363988	0.00081619
2095 Aug	605.2799072	0.055814687	0.015512634	0.000889074	12.94222641	0.023933738	274.396698	0.000818192	0.000818192	4.34627E-06	0.01337905	0.003662529	0.336743176	0.027199406	6.55599E-06	77.86074066	7.9732E-05	0.000359826	0.000813489
2095 Sep	619.5144043	0.055306077	0.015282734	0.000883425	12.77432537	0.024089336	281.7002869	0.000812212	0.000812212	4.32334E-06	0.013525863	0.003715517	0.345721364	0.026906934	6.59331E-06	79.1627655	8.11664E-05	0.000358469	0.000819764
2095 Oct	635.1774292	0.055108104	0.015128774	0.000874565	12.61530972	0.023939975	289.6744995	0.000802588	0.000802588	4.28281E-06	0.013696802	0.003774351	0.35541904	0.026704155	6.6185E-06	80.65013885	8.29162E-05	0.000357752	0.000829731
2095 Nov	636.3203735	0.055317122	0.014803438	0.000864236	12.42585468	0.023936974	290.6068115	0.000792962	0.000792962	4.23561E-06	0.013683542	0.0037649	0.356561273	0.026281437	6.57939E-06	80.52893066	8.2942E-05	0.000353235	0.000824061
2095 Dec	637.0221558	0.055364154	0.014762938	0.000863038	12.40254688	0.023943597	290.9975586	0.000791815	0.000791815	4.23025E-06	0.013690496	0.003766251	0.357038885	0.026231641	6.57729E-06	80.57292175	8.30116E-05	0.000352759	0.000823819
2096 Jan	638.3253784	0.055334393	0.014760503	0.000862522	12.39495564	0.02392685	291.6499329	0.000791219	0.000791219	4.22789E-06	0.013704811	0.003771566	0.3578309971	0.026228637	6.5803E-06	80.7044754	8.31594E-05	0.000352845	0.000824884
2096 Feb	638.7137451	0.055349011	0.014765819	0.000862692	12.39870262	0.023930525	291.834137	0.00079136	0.00079136	4.22877E-06	0.013710891	0.003773558	0.358055025	0.026238665	6.58267E-06	80.75008392	8.32062E-05	0.000352986	0.000825339
2096 Mar	639.0933228	0.055385571	0.014775751	0.000863226	12.40717888	0.023945045	292.0058899	0.000791853	0.000791853	4.23139E-06	0.013719095	0.003775863	0.35826543	0.02625647	6.58668E-06	80.79938507	8.32556E-05	0.000353216	0.000825864
2096 Apr	640.9688721	0.055550445	0.014819824	0.000865776	12.44427395	0.024015611	292.8617249	0.000794193	0.000794193	4.24389E-06	0.013759412	0.003786983	0.359315276	0.026334871	6.60608E-06	81.03730011	8.35E-05	0.000354265	0.000828308
2096 May	653.4534302	0.055426762	0.014980312	0.000863092	12.53044701	0.023732577	298.8243408	0.00079153	0.00079153	4.23619E-06	0.013899704	0.003847684	0.366491348	0.026678018	6.64698E-06	82.51200104	8.49671E-05	0.000358785	0.000844874
2096 Jun	581.1183472	0.049082201	0.014131447	0.00082438	11.7812109	0.021426193	264.2026367	0.000764326	0.000764326	4.06769E-06	0.012738029	0.003482245	0.32429266	0.025233883	6.1973E-06	74.21472931	7.68588E-05	0.000339552	0.000772154
2096 Jul	587.5060425	0.048624925	0.014167084	0.00084194	11.77989578	0.021763841	267.2017517	0.000781814	0.000781814	4.15796E-06	0.012946166	0.003519859	0.328113884	0.025299195	6.31213E-06	74.8916626	7.79518E-05	0.000342426	0.000776416
2096 Aug	614.331665	0.049725011	0.01450464	0.000864147	12.05174923	0.022450149	279.8835144	0.000801869	0.000801869	4.27014E-06	0.01342999	0.003662048	0.343659878	0.025954705	6.52736E-06	78.02353668	8.12513E-05	0.000352426	0.000805399
2096 Sep	619.0634155	0.050066728	0.014088638	0.000852312	11.8305912	0.022612626	282.6695557	0.000790713	0.000790713	4.21706E-06	0.013452156	0.003665856	0.347088188	0.025441753	6.49762E-06	78.22669983	8.15738E-05	0.000347215	0.000800647
2096 Oct	609.8145752	0.051280316	0.01327505	0.000829187	11.44378757	0.022835327	278.9606323	0.000769992	0.000769992	4.11005E-06	0.013273589	0.003592015	0.342585206	0.024408694	6.36112E-06	76.70475769	8.01783E-05	0.000334595	0.000776387
2096 Nov	608.3048096	0.051791381	0.013141718	0.000827627	11.4079895	0.022992447	278.3172302	0.000768864	0.000768864	4.10381E-06	0.013263862	0.003581713	0.341818213	0.024267688	6.34965E-06	76.47455597	7.99687E-05	0.000332848	0.00077238
2096 Dec	609.3919678	0.051774073	0.013139362	0.000827276	11.4022274	0.02298262	278.8606262	0.000768447	0.000768447	4.10224E-06	0.01327644	0.003586196	0.342478633	0.024265515	6.35255E-06	76.58454895	8.00926E-05	0.000332925	0.000773256
2097 Jan	609.9500732	0.051762793	0.013138364	0.000827045	11.39929008	0.022975501	279.1396179	0.000768187	0.000768187	4.1012E-06	0.013282491	0.003588485	0.342817128	0.024264857	6.3538E-06	76.64126587	8.01555E-05	0.000332966	0.000773722
2097 Feb	610.0321045	0.051764272	0.013139375	0.000827029	11.39994431	0.022974541	279.1788635	0.000768167	0.000768167	4.10114E-06	0.013283399	0.003588883	0.342864394	0.024266986	6.35406E-06	76.65090942	8.01647E-05	0.000332992	0.000773826
2097 Mar	610.3607788	0.051794525	0.013147198	0.000827489	11.4067955	0.022987138	279.3282166	0.000768596	0.000768596	4.10342E-06	0.013290596	0.003590856	0.343047619	0.024281474	6.35755E-06	76.6930542	8.02079E-05	0.000333184	0.000774265
2097 Apr	612.6858521	0.051993314	0.013197735	0.000830651	11.45068359	0.02307489	280.391571	0.000771534	0.000771534	4.11911E-06	0.013341258	0.00360456	0.344353437	0.024374826	6.38181E-06	76.98570251	8.05134E-05	0.000334461	0.000777228
2097 May	610.4048462	0.052792873	0.013505138	0.000841542	11.73979187	0.023228433	278.7719727	0.000782876	0.000782876	4.17419E-06	0.013364703	0.003613045	0.342346042	0.024942661	6.42284E-06	77.08291626	8.03651E-05	0.000340061	0.000783753
2097 Jun	560.4318848	0.052560944	0.013920572	0.000847557	12.18487453	0.022684975	253.4015198	0.000794579	0.000794579	4.20857E-06	0.012698395	0.00341658	0.311279863	0.025676218	6.24835E-06	72.37928772	7.47454E-05	0.000342663	0.000757323
2097 Jul	581.3365479	0.053443581	0.014247144	0.000874525	12.45300388	0.02342014	263.1364746	0.000820035	0.000820035	4.34497E-06	0.013138422	0.003535514	0.323257715	0.026314141	6.46367E-06	74.88533783	7.74814E-05	0.00035202	0.000781021
2097 Aug	598.7889404	0.053882834	0.014397198	0.00088917	12.59179878	0.023966657	271.4553223	0.0008336	0.0008336	4.42062E-06	0.013444743	0.003627559	0.333466053	0.026670206	6.60701E-06	76.87940216	7.95638E-05	0.000357427	0.000798473
2097 Sep	613.7151489	0.054197378	0.014400193	0.000891977	12.60397243	0.024172483	278.7702637	0.000835665	0.000835665	4.43786E-06	0.01366541	0.003695853	0.342413127	0.026760502	6.68408E-06	78.4658432	8.12931E-05	0.000359978	0.000811034
2097 Oct	613.8588867	0.054498859	0.014087691	0.000881867	12.43116188	0.024196608	279.1943359	0.000826211	0.000826211	4.39104E-06	0.013637359	0.003682632	0.34293139	0.02635522	6.64114E-06	78.25366974	8.11833E-05	0.000355438	0.000804772
2097 Nov	612.1920166	0.054627422	0.013914897	0.000876181	12.336092	0.024198292	278.5701294	0.00082098	0.00082098	4.36431E-06	0.013596642	0.003667504	0.342170864	0.026122168	6.60954E-06	77.95207214	8.09172E-05	0.000352661	0.000799818
2097 Dec	612.2479248	0.054617781	0.013881773	0.000874806	12.31401539	0.02418465	278.6403198	0.000819667	0.000819667	4.35782E-06	0.013591593	0.003666044	0.342254609	0.026075598	6.60368E-06	77.93136597	8.09078E-05	0.000352142	0.000799195
2098 Jan	613.2201538	0.054597855	0.01387927	0.000874397	12.30868816	0.024172418	279.1265869	0.000819214	0.000819214	4.35602E-06	0.013602173	0.003670023	0.342844784	0.026074069	6.60587E-06	78.02996826	8.10175E-05	0.00035221	0.000800001
2098 Feb	613.3837891	0.054603867	0.013881738	0.000874423	12.31056023	0.024172371	279.2038879	0.000819233	0.000819233	4.35619E-06	0.013604389	0.003670864	0.342938155	0.02607918	6.60667E-06	78.04971313	8.10365E-05	0.000352274	0.000800214
2098 Mar	613.590332	0.054626666	0.013887763	0.000874748	12.31599617	0.024181062	279.295929	0.00081954	0.00081954	4.35781E-06	0.013609074	0.003672175	0.343050838	0.026090505	6.60903E-06	78.07749939	8.10638E-05	0.000352416	0.000800522
2098 Apr	614.3694458	0.054825149	0.013945022	0.000876737	12.36951828	0.024227355	279.5908813	0.000821474	0.000821474	4.36774E-06	0.013629279	0.00367901	0.343403488	0.026198309	6.62122E-06	78.2206955	8.11676E-05	0.000353557	0.000802679
2098 May	586.9280396	0.055857152	0.014509725	0.000883665	12.92981052	0.023985133	265.1928711	0.000831421	0.000831421	4.40368E-06	0.013259603	0.003587363	0.325651199	0.027218156	6.53777E-06	76.00566101	7.80087E-05	0.000360339	0.000798045
2098 Jun	498.8763428	0.053744562	0.014614219	0.000860319	13.10334778	0.022386253	221.6124268	0.000817079	0.000817079	4.29071E-06	0.011888156	0.003196722	0.272235602	0.02729157	6.06768E-06	67.01609039	6.76654E-05	0.000351533	0.000735188
2098 Jul	517.4880371	0.05503368	0.015036993	0.000892465	13.46964073	0.023202216	230.0414429	0.000847897	0.000847897	4.45265E-06	0.012335399	0.003311495	0.282639027	0.028097402	6.29758E-06	69.38491821	7.0233E-05	0.000362781	0.000759206
2098 Aug	531.7667236	0.054449778	0.014843113	0.000892948	13.34887314	0.023588037	237.2798004	0.000848132	0.000848132	4.46071E-06	0.012504163	0.003370919	0.291561425	0.027899366	6.36522E-06	70.74212646	7.16645E-05	0.000362095	0.000766173
2098 Sep	532.7887573	0.054028835	0.013971456	0.000865255	12.79787731	0.023639062	238.8543091	0.000821867	0.000821867	4.33104E-06	0.012392987	0.00333484	0.293554693	0.02665928	6.24986E-06	70.15241241	7.1298E-05	0.000348891	0.000747551
2098 Oct	537.4512939	0.054461591	0.013153632	0.00083786	12.29197025	0.023608729	242.1381531	0.000795587	0.000795587	4.20289E-06	0.012369459	0.003316925	0.297563434	0.025547178	6.14984E-06	70.00150299	7.15315E-05	0.000337027	0.000734096
2098 Nov	537.2302246	0.054694917	0.012881121	0.000829527	12.13470173	0.023635836	242.3450317	0.000787721	0.000787721	4.1638E-06	0.012343817	0.003303692	0.297823042	0.025177855	6.11282E-06	69.77086639	7.14077E-05	0.000332921	0.000728064
2098 Dec	538.4727783	0.054690517	0.012878832	0.000829309	12.13035965	0.023631869	242.9620972	0.000787444	0.000787444	4.163E-06	0.012359645	0.003308992	0.29857412	0.025178807	6.11709E-06	69.89864349	7.15515E-05	0.00033305	0.000729089
2099 Jan	539.2890015	0.054676626	0.012877397	0.000829046	12.12675953	0.023623701	243.3686066	0.000787148	0.000787148	4.1619E-06	0.012369063	0.003312411	0.299067914	0.025179138	6.11933E-06	69.98235321	7.16447E-05	0.000333128	0.000729782
2099 Feb	539.8225098	0.054671809	0.012878235	0.00082894	12.12601471	0.023619527	243.6315765	0.000787021	0.000787021	4.16152E-06	0.012375518	0.003314753	0.299387157	0.02518256	6.1211E-06	70.03894043	7.17061E-05	0.000333211	0.00073028
2099 Mar	540.5272827	0.054741856	0.012895063	0.000829978	12.14176369	0.023648828	243.9499054	0.000788006	0.000788006	4.16674E-06	0.012391346	0.003319062	0.299777865	0.02521552	6.12888E-06	70.1304245	7.17991E-05	0.000333643	0.000731242
2099 Apr	542.9227905	0.055175036	0.013014811	0.000834661	12.25431347	0.023764737	244.9396973	0.000792536	0.000792536	4.19029E-06	0.012448038	0.003337023	0.300975144	0.025445197	6.16022E-06	70.51078796	7.21135E-05	0.00033619	0.000736345
2099 May	494.9507751	0.057414908	0.014283992	0.000837864	13.42922497	0.022970475	219.5311737	0.000800509	0.000800509	4.20576E-06	0.011706148	0.003182847	0.269435436	0.02766967	5.96452E-06	66.8997879	6.63594E-05	0.000350871	0.000737205
2099 Jun	472.0911255	0.056018222	0.014309835	0.00083087	13.39968681	0.02229069	208.2707062	0.000796014	0.000796014	4.17265E-06	0.011345443	0.003078895	0.255645663	0.027619667	5.83938E-06	64.51522064	6.37848E-05	0.00034847	0.000720613
2099 Jul	494.0687256	0.056748059	0.01459096	0.000854679	13.6367712	0.022942053	218.5867462	0.000818679	0.000818679	4.29565E-06	0.011781379	0.00320031	0.268315017	0.028223498	6.04615E-06	67.10935211	6.66123E-05	0.000357423	0.000744938
2099 Aug	517.1222534	0.057546824	0.014771242	0.000873326	13.83851528	0.02368602	229.5536041	0.000836247	0.000836247	4.3938E-06	0.012188122	0.00332106	0.281800032	0.028694786	6.23349E-06	69.75435638	6.93482E-05	0.000365101	0.000767857
2099 Sep	521.1630859	0.056829035	0.014208168	0.000857381	13.4530344	0.023767052	232.258194	0.000820889	0.000820889	4.31968E-06	0.012160662	0.003312696	0.285190016	0.027862065	6.18255E-06	69.70148468	6.94901E-05	0.000356957	0.000757792
2099 Oct	524.2455444	0.057014272	0.013657352	0.000840562	13.09780407	0.023767529	234.4500885	0.000804645	0.000804645	4.24064E-06	0.012155455	0.003300384	0.287887156	0.027085418	6.12233E-06	69.57569885	6.96795E-05	0.000348885	0.000748095
2099 Nov	525.383606	0.05701071	0.013352268	0.000830489	12.89283657	0.023726396	235.3962555	0.000794906	0.000794906	4.1929E-06	0.012138079	0.003290454	0.289049566	0.026643723	6.08286E-06	69.44033813	6.97108E-05	0.000344225	0.000742254
2099 Dec	526.2088013	0.05701673	0.013351843	0.00083047	12.89162064	0.023727974	235.8031769	0.000794852	0.000794852	4.19302E-06	0.012149464	0.003294101	0.289545447	0.026647098	6.08631E-06	69.52683258	6.98077E-05	0.000344343	0.00074296
2100 Jan	527.5026855	0.05697839	0.013346043	0.000829881	12.88232613	0.023709804	236.4533234	0.000794216	0.000794216	4.19045E-06	0.012163427	0.003299293	0.290335089	0.026641335	6.08909E-06	69.65578461	6.99543E-05	0.000344402	0.000743978
2100 Feb	527.9250488	0.056970168	0.013345696	0.00082973	12.88076591	0.023704553	236.6631622	0.000794052	0.000794052	4.18983E-06	0.012168147	0.003301079	0.290589631	0.026642416	6.0902E-06	69.69963074	7.00023E-05	0.000344449	0.000744355
2100 Mar	528.0706787	0.056986768	0.013349839	0.00082995	12.88471127	0.023710605	236.7278595	0.000794263	0.000794263	4.19095E-06	0.012171397	0.003302006	0.290668756	0.026650643	6.09183E-06	69.71936798	7.00214E-05	0.000344551	0.000744577
2100 Apr	530.3044434	0.057229456	0.013406818	0.000833473	12.93969536	0.023811096	237.7284546	0.000797634	0.000797634	4.20873E-06	0.01222292	0.003316001	0.291897237	0.026764326	6.11765E-06	70.01483917	7.03176E-05	0.000346018	0.000747741
2100 May	526.8537598	0.057433907	0.013864142	0.00083662	13.28793907	0.023411855	235.4116364	0.000801992	0.000801992	4.22822E-06	0.012163429	0.003321071	0.288906664	0.027572351	6.11727E-06	70.12481689	7.0008E-05	0.000353526	0.000759386
2100 Jun	461.4279785	0.054459866	0.013896725	0.000819119	13.20519161	0.021905981	203.2789917	0.000789795	0.000789795	4.13689E-06	0.011148944	0.003021415	0.249589294	0.027286936	5.76329E-06	63.22844315	6.25124E-05	0.000344614	0.000708152
2100 Jul	473.1150513	0.053259004	0.013741587	0.000822497	13.00503159	0.021897331	209.241394	0.000793001	0.000793001	4.15862E-06	0.011339722	0.003068117	0.256964982	0.027035115	5.8344E-06	64.26306152	6.40471E-05	0.000344189	0.000713182
2100 Aug	478.0687561	0.052151851	0.013401229	0.000819302	12.77519512	0.02226688	212.0966492	0.000790063	0.000790063	4.14671E-06	0.011354012	0.003079408	0.260565728	0.026553283	5.84648E-06	64.49915314	6.42979E-05	0.000339452	0.000708348
2100 Sep	490.5969849	0.051694915	0.013117301	0.000813552	12.58349514	0.022476038	218.6076508	0.000784183	0.000784183	4.12353E-06	0.011482875	0.003123382	0.268592328	0.026186803	5.87713E-06	65.58412933	6.55302E-05	0.000337167	0.000711873
2100 Oct	502.2135315	0.051803529	0.012973583	0.000808596	12.47688484	0.02247702	224.5074768	0.00077893	0.00077893	4.10287E-06	0.011627876	0.003167985	0.2757833	0.026036886	5.90503E-06	66.68922424	6.68468E-05	0.000336669	0.000718817
2100 Nov	504.3443909	0.051906042	0.012958263	0.000808684	12.47193813	0.022511812	225.5654144	0.000778956	0.000778956	4.10401E-06	0.011661111	0.003177191	0.277076691	0.026032798	5.91483E-06	66.90591431	6.70976E-05	0.000336838	0.000720318
2100 Dec	505.9534302	0.051901229	0.012957864	0.000808539	12.4687109	0.022508254	226.359726	0.000778749	0.000778749	4.10372E-06	0.011682305	0.00318425	0.278043747	0.026039358	5.92106E-06	67.07442474	6.72858E-05	0.000337067	0.000721722
2101 Jan	508.0665283	0.05184707	0.012948991	0.000807678	12.45491123	0.022482252	227.4191132	0.000777818	0.000777818	4.10007E-06	0.011705877	0.003192834	0.279330879	0.026032193	5.92613E-06	67.28636932	6.75264E-05	0.000337188	0.000723404
2101 Feb	509.1261292	0.051818982	0.012944779	0.000807224	12.44822025	0.022468124	227.9499817	0.000777333	0.000777333	4.09815E-06	0.011717502	0.003197148	0.279975504	0.026029339	5.92857E-06	67.39308167	6.76467E-05	0.000337254	0.000724264
2101 Mar	509.3018494	0.051829301	0.012947667	0.000807366	12.45080471	0.022471845	228.0316925	0.000777467	0.000777467	4.0989E-06	0.011720696	0.00319812	0.280075222	0.026035456	5.92998E-06	67.41464996	6.76687E-05	0.000337337	0.000724486
2101 Apr	510.6248779	0.051961824	0.012981257	0.00080938	12.48293495	0.022527438	228.6246948	0.000779406	0.000779406	4.10915E-06	0.011750547	0.003206389	0.280802727	0.026103072	5.94499E-06	67.58977509	6.78433E-05	0.000338207	0.000726381
2101 May	491.975647	0.052950434	0.013517371	0.000820737	12.96073818	0.022436816	218.6543121	0.00079218	0.00079218	4.16344E-06	0.011538841	0.003151175	0.268520474	0.026988549	5.91637E-06	66.19280243	6.58121E-05	0.000345054	0.000725871

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jun	453.2813416	0.051851794	0.013707984	0.000816001	13.06330204	0.021634901	199.3982239	0.000790348	0.000790348	4.13604E-06	0.010973814	0.002983015	0.244935423	0.027110606	5.73114E-06	62.28367996	6.14604E-05	0.000342727	0.000699802
2101 Jul	473.9524536	0.053016342	0.014074299	0.000842408	13.38990211	0.02229663	208.9169312	0.00081583	0.00081583	4.27234E-06	0.01141615	0.003102871	0.256635398	0.027868049	5.94444E-06	64.8380661	6.42071E-05	0.000353547	0.000725367
2101 Aug	497.7731018	0.054168329	0.014386181	0.000864058	13.68860912	0.022963732	220.074173	0.000836466	0.000836466	4.38598E-06	0.011860471	0.00323345	0.270307183	0.028573815	6.14855E-06	67.69129181	6.71632E-05	0.000363638	0.000752827
2101 Sep	507.0654297	0.053871144	0.013897333	0.000851768	13.36998177	0.023153173	225.2453918	0.000824374	0.000824374	4.33051E-06	0.011929964	0.003253142	0.276699573	0.027897382	6.13624E-06	68.26715088	6.79672E-05	0.00035759	0.000748993
2101 Oct	520.3922119	0.053916954	0.013593514	0.000840952	13.14914513	0.023108233	232.1982117	0.00081339	0.00081339	4.28223E-06	0.012076051	0.003297132	0.285173774	0.027516758	6.14544E-06	69.41530609	6.94236E-05	0.000354736	0.000753882
2101 Nov	520.3815918	0.054152474	0.013167898	0.000827999	12.88035393	0.02312728	232.7167969	0.000800851	0.000800851	4.2201E-06	0.012040413	0.003276885	0.285823554	0.026901402	6.08822E-06	69.06479645	6.92833E-05	0.000348028	0.000744183
2101 Dec	519.7800903	0.054311372	0.013116458	0.000827426	12.85991573	0.023181276	232.4681854	0.000800357	0.000800357	4.2174E-06	0.012036401	0.003272509	0.285529345	0.026834911	6.08352E-06	68.96644592	6.92043E-05	0.000347254	0.000742447
2102 Jan	520.7532959	0.054287039	0.013111638	0.000826972	12.85324955	0.023168368	232.9568939	0.000799876	0.000799876	4.21546E-06	0.012046945	0.003276425	0.286122739	0.026831033	6.0856E-06	69.06375122	6.93143E-05	0.000347299	0.000743218
2102 Feb	520.8712158	0.054295022	0.013114251	0.000827032	12.85554504	0.023169447	233.0110321	0.000799933	0.000799933	4.21579E-06	0.012048776	0.003277093	0.286188066	0.026836494	6.08638E-06	69.0790329	6.93283E-05	0.000347363	0.000743395
2102 Mar	521.1005859	0.054315787	0.013119652	0.000827315	12.86067963	0.023177039	233.1147308	0.000800206	0.000800206	4.21725E-06	0.012053523	0.003278483	0.286314785	0.026847644	6.08867E-06	69.10906219	6.93579E-05	0.000347505	0.000743724
2102 Apr	522.0848999	0.054420587	0.013145123	0.000828892	12.88562393	0.023221048	233.5540466	0.000801731	0.000801731	4.22529E-06	0.012076333	0.003284712	0.286854178	0.026899643	6.10023E-06	69.24036407	6.94889E-05	0.000348173	0.000745148
2102 May	526.921875	0.054924071	0.01326731	0.000836552	13.00522232	0.023434956	235.7174835	0.000809141	0.000809141	4.26434E-06	0.012188043	0.003315151	0.289510965	0.027149564	6.15665E-06	69.88224792	7.01325E-05	0.000351404	0.000752068
2102 Jun	476.110199	0.047448277	0.012058699	0.00082327	11.65047646	0.022082649	212.5185089	0.000799318	0.000799318	4.19374E-06	0.011530649	0.003022215	0.261762023	0.024435619	5.90008E-06	63.02756119	6.50469E-05	0.000325008	0.000671618
2102 Jul	454.8493652	0.044552594	0.011657077	0.000833391	11.19815254	0.021971446	202.569931	0.00081087	0.00081087	4.24225E-06	0.011346779	0.002912718	0.249947101	0.023506241	5.86845E-06	60.27243423	6.30808E-05	0.000316458	0.000639264
2102 Aug	466.682251	0.045063633	0.011748341	0.000847952	11.3409586	0.022605136	208.137085	0.000825093	0.000825093	4.31857E-06	0.011577319	0.002978971	0.256835133	0.023796393	5.98992E-06	61.66058731	6.44616E-05	0.000320879	0.000650838
2102 Sep	470.2051086	0.045587756	0.011650684	0.000850286	11.34600067	0.022975137	209.9053345	0.000827492	0.000827492	4.33223E-06	0.011641653	0.002994569	0.259052336	0.023735154	6.01801E-06	61.99923325	6.47713E-05	0.00032063	0.000651332
2102 Oct	461.7789612	0.046527352	0.011121311	0.000830945	11.07199574	0.023044564	206.3908997	0.000808969	0.000808969	4.23637E-06	0.011462999	0.002931902	0.254738271	0.022984063	5.894E-06	60.71811295	6.34974E-05	0.000310867	0.000632823
2102 Nov	466.1210022	0.046617001	0.011097725	0.000830065	11.0580759	0.023058966	208.5516205	0.000807987	0.000807987	4.2335E-06	0.01152055	0.002950294	0.257368624	0.022981143	5.90885E-06	61.16211319	6.39946E-05	0.000311214	0.000636207
2102 Dec	468.1592712	0.046588536	0.011092182	0.000829452	11.04931831	0.023042295	209.5662994	0.000807316	0.000807316	4.23112E-06	0.011544663	0.00295887	0.258601755	0.022981985	5.9148E-06	61.37121964	6.42279E-05	0.000311408	0.000637921
2103 Jan	468.3079834	0.046594229	0.01109308	0.000829476	11.05022144	0.023043385	209.6378784	0.000807336	0.000807336	4.23128E-06	0.011546844	0.002959591	0.258688718	0.022984738	5.91555E-06	61.38807678	6.42454E-05	0.000311449	0.000638079
2103 Feb	468.4059448	0.046608154	0.01109669	0.000829677	11.05375385	0.02304868	209.6798248	0.000807533	0.000807533	4.2323E-06	0.011549346	0.00296028	0.258740187	0.022991952	5.9169E-06	61.40233994	6.42589E-05	0.000311537	0.00063825
2103 Mar	468.6412964	0.046633858	0.011102971	0.000830109	11.05997562	0.023060521	209.7841339	0.000807954	0.000807954	4.23451E-06	0.011555197	0.002961805	0.258868724	0.023004817	5.91994E-06	61.43396759	6.42912E-05	0.000311705	0.00063859
2103 Apr	469.8860779	0.046759024	0.011132863	0.000832323	11.08973312	0.023121921	210.3407745	0.000810109	0.000810109	4.2458E-06	0.011585915	0.002969694	0.259555459	0.023066672	5.9357E-06	61.59758759	6.4462E-05	0.00031254	0.000640298
2103 May	480.1493835	0.047280889	0.011569311	0.000832186	11.41713142	0.022767767	214.8317261	0.000810269	0.000810269	4.25075E-06	0.011692077	0.003033488	0.26483193	0.023904029	5.97655E-06	63.13367844	6.56604E-05	0.000321246	0.000663356
2103 Jun	444.4924927	0.045717821	0.011994308	0.000808098	11.6103754	0.021097142	196.9746857	0.000789096	0.000789096	4.12795E-06	0.011005024	0.002877385	0.242665961	0.024384093	5.70721E-06	59.74173355	6.13968E-05	0.0003211	0.000649311
2103 Jul	450.4713745	0.044957682	0.011930352	0.000819972	11.54037762	0.021437824	199.9373169	0.000800986	0.000800986	4.19022E-06	0.011153795	0.00290896	0.246394739	0.024319515	5.79391E-06	60.29944992	6.22467E-05	0.000321439	0.000651513
2103 Aug	454.239502	0.043486968	0.011619474	0.000824402	11.34261513	0.0221393	202.16185	0.000805667	0.000805667	4.21578E-06	0.011161759	0.002925116	0.249172002	0.023958912	5.83813E-06	60.45888901	6.22916E-05	0.00031566	0.000646744
2103 Sep	463.714325	0.044257879	0.011250782	0.000813583	11.15624809	0.022345064	207.2299957	0.000794922	0.000794922	4.1669E-06	0.011261688	0.002951425	0.255370736	0.023527164	5.83116E-06	61.19675064	6.31962E-05	0.000311735	0.000646894
2103 Oct	456.7658386	0.045994818	0.010634299	0.000796086	10.87757683	0.022661608	204.4793396	0.000778144	0.000778144	4.08048E-06	0.011141311	0.002893731	0.252033174	0.022690699	5.72281E-06	60.02603149	6.21246E-05	0.000301498	0.00062719
2103 Nov	456.3059692	0.046504986	0.010473266	0.000791816	10.80808163	0.022763832	204.4211578	0.000774028	0.000774028	4.05986E-06	0.011131387	0.002884988	0.251967698	0.02248488	5.70186E-06	59.866745	6.20065E-05	0.000299094	0.000623248
2103 Dec	458.2026062	0.046475254	0.01046629	0.000791164	10.79856968	0.02274642	205.3676605	0.000773329	0.000773329	4.05726E-06	0.011153493	0.002892865	0.253117949	0.022483023	5.70704E-06	60.05981064	6.22232E-05	0.00029925	0.000624807
2104 Jan	458.2854309	0.046480663	0.010466908	0.000791167	10.79933262	0.022747019	205.4072571	0.000773331	0.000773331	4.05731E-06	0.011154654	0.002893273	0.253165841	0.022484984	5.70741E-06	60.06947708	6.22327E-05	0.000299276	0.000624903
2104 Feb	458.3109131	0.046488509	0.010469125	0.000791246	10.80147362	0.02274888	205.4162598	0.000773409	0.000773409	4.05771E-06	0.011155385	0.002893521	0.25317654	0.022489272	5.70787E-06	60.07460403	6.22362E-05	0.000299321	0.000624985
2104 Mar	458.5549622	0.046516109	0.010475582	0.000791686	10.80805779	0.022761315	205.5243378	0.00077384	0.00077384	4.05996E-06	0.011161384	0.002895109	0.253309518	0.022502888	5.71099E-06	60.10756302	6.22693E-05	0.000299495	0.000625342
2104 Apr	460.4901123	0.046713326	0.010520141	0.000795026	10.85397816	0.022857215	206.3912354	0.000777105	0.000777105	4.07709E-06	0.011208449	0.002907342	0.254377812	0.022598499	5.73509E-06	60.3616066	6.2532E-05	0.000300764	0.000627993
2104 May	450.1413879	0.047937684	0.011264464	0.000805091	11.46172428	0.022591487	200.2906342	0.000788004	0.000788004	4.12563E-06	0.011083056	0.00289531	0.246723965	0.023837835	5.73207E-06	60.02227402	6.14344E-05	0.000311703	0.00064053
2104 Jun	408.7248535	0.046879634	0.011669689	0.000793288	11.16893291	0.021416148	179.569519	0.000778287	0.000778287	4.0574E-06	0.010408285	0.002716321	0.22122556	0.024186542	5.49379E-06	55.97046661	5.66282E-05	0.000310786	0.000617585
2104 Jul	419.7767639	0.046980303	0.011785217	0.000811808	11.77726746	0.02193056	184.7320404	0.000796565	0.000796565	4.15363E-06	0.010667368	0.002780945	0.227627143	0.024478557	5.63195E-06	57.2612648	5.81362E-05	0.000315437	0.000628776
2104 Aug	432.2073975	0.047100298	0.011789663	0.0008222	11.83801937	0.022481486	190.7355347	0.000806725	0.000806725	4.21009E-06	0.010876619	0.002845036	0.235034823	0.024629701	5.73736E-06	58.62725449	5.95201E-05	0.000318191	0.000639034
2104 Sep	435.7975769	0.047086276	0.011406116	0.000812359	11.61881256	0.022725156	192.9586792	0.000797081	0.000797081	4.16404E-06	0.010872454	0.002844226	0.237823993	0.024091752	5.71007E-06	58.70422745	5.96351E-05	0.000312949	0.000632674
2104 Oct	434.9702148	0.048262909	0.010924013	0.000799152	11.37864208	0.022951517	193.0873871	0.000784224	0.000784224	4.09993E-06	0.010843675	0.002819384	0.238001138	0.023441937	5.64756E-06	58.26022339	5.93627E-05	0.000305584	0.000621048
2104 Nov	434.5222473	0.048677821	0.010805213	0.000796776	11.33026695	0.023055013	192.9846191	0.000781944	0.000781944	4.08845E-06	0.010840938	0.002812837	0.237886697	0.023290506	5.63533E-06	58.1317482	5.9274E-05	0.000303845	0.000617934
2104 Dec	436.2614136	0.048652008	0.010799459	0.000796258	11.32233906	0.023040928	193.8508453	0.000781389	0.000781389	4.08649E-06	0.010861723	0.002820137	0.238939822	0.023290385	5.64048E-06	58.30967712	5.94739E-05	0.000304009	0.00061938
2105 Jan	437.259552	0.048628155	0.010795125	0.00079581	11.31629467	0.023027666	194.3506622	0.00078092	0.00078092	4.08462E-06	0.010872606	0.002824204	0.239546552	0.023288129	5.64272E-06	58.41049957	5.95869E-05	0.000304074	0.000620198
2105 Feb	437.3580627	0.048634145	0.010796932	0.000795866	11.31794453	0.023028921	194.3962555	0.000780974	0.000780974	4.08494E-06	0.010874218	0.002824752	0.239601821	0.023292109	5.6434E-06	58.42292404	5.95988E-05	0.000304123	0.000620335
2105 Mar	437.445343	0.048644941	0.010799552	0.00079602	11.3205986	0.023033183	194.4344788	0.000781125	0.000781125	4.08573E-06	0.010876312	0.002825334	0.239648685	0.023297608	5.6445E-06	58.43508148	5.96105E-05	0.000304191	0.000620474
2105 Apr	438.4533997	0.04875822	0.010824822	0.000797861	11.34704018	0.023086334	194.8819885	0.000782932	0.000782932	4.09518E-06	0.010901386	0.002831864	0.240200147	0.023352005	5.65753E-06	58.57015991	5.97478E-05	0.000304898	0.000621915
2105 May	433.333374	0.049532428	0.011381052	0.000804233	11.78261948	0.022820052	191.6291962	0.000789813	0.000789813	4.12637E-06	0.010835648	0.002833545	0.236063793	0.024276465	5.66095E-06	58.58151245	5.92371E-05	0.000313324	0.000633602
2105 Jun	415.2867432	0.049804986	0.011927485	0.000810462	12.17752647	0.022389837	182.0618591	0.000796976	0.000796976	4.15302E-06	0.010595893	0.002775323	0.224251002	0.025061762	5.60827E-06	57.18229294	5.72931E-05	0.000319493	0.000633237
2105 Jul	429.7507324	0.049959127	0.012037889	0.000827426	12.29645157	0.022954226	188.9117126	0.000813644	0.000813644	4.2428E-06	0.0108799	0.002855872	0.232675269	0.025398973	5.75374E-06	58.84931564	5.90995E-05	0.000324275	0.000647871
2105 Aug	439.1479797	0.048163351	0.011576772	0.00081713	11.93606281	0.023192277	194.1824799	0.000803457	0.000803457	4.19696E-06	0.010896811	0.002879597	0.239186764	0.024727294	5.75204E-06	59.42517471	5.97257E-05	0.000317319	0.000644302
2105 Sep	451.7584229	0.047766346	0.010866523	0.000793174	11.45834637	0.023269758	201.3093872	0.000779671	0.000779671	4.08492E-06	0.010948738	0.002900098	0.247958258	0.023712102	5.69961E-06	60.15634918	6.07246E-05	0.000307983	0.000638356
2105 Oct	461.0567017	0.048413184	0.01034703	0.000774321	11.1296072	0.023235153	206.5322571	0.000760921	0.000760921	3.9962E-06	0.011024084	0.002915159	0.254314184	0.023015676	5.65445E-06	60.71748734	6.16332E-05	0.000301198	0.000635079
2105 Nov	460.8967896	0.048828203	0.010170452	0.000769405	11.03710747	0.023300001	206.6531067	0.000756116	0.000756116	3.97231E-06	0.011016805	0.002906448	0.254468948	0.022773152	5.63177E-06	60.56623459	6.15634E-05	0.000298515	0.000630914
2105 Dec	462.011261	0.048812572	0.010165378	0.000769026	11.03117085	0.023290465	207.2097321	0.000755716	0.000755716	3.97084E-06	0.011030037	0.00291106	0.255145699	0.022771224	5.63487E-06	60.6791954	6.16913E-05	0.000298601	0.000631814
2106 Jan	462.0810852	0.048817433	0.010165893	0.000769025	11.0318346	0.023290839	207.2431183	0.000755714	0.000755714	3.97087E-06	0.011031004	0.002911403	0.255185992	0.022772936	5.63516E-06	60.68737793	6.16993E-05	0.000298623	0.000631896
2106 Feb	462.0934753	0.048822787	0.010167575	0.000769062	11.0334034	0.023291459	207.2467194	0.000755751	0.000755751	3.97105E-06	0.011031295	0.002911549	0.255189955	0.022776131	5.63537E-06	60.69052887	6.17009E-05	0.000298654	0.000631955
2106 Mar	462.2110291	0.048838094	0.010171068	0.000769277	11.03705978	0.02329771	207.298111	0.000755963	0.000755963	3.97216E-06	0.011034165	0.002912338	0.255253017	0.022783602	5.63689E-06	60.70695877	6.17166E-05	0.000298745	0.000632141
2106 Apr	463.6129761	0.048987877	0.010202434	0.000771621	11.07102203	0.023368562	207.9261017	0.000758267	0.000758267	3.98426E-06	0.011067668	0.002921199	0.256026149	0.022853663	5.65403E-06	60.89165115	6.19038E-05	0.00029966	0.000634073
2106 May	467.5846558	0.049571469	0.010482984	0.00077931	11.30370331	0.023412406	209.4670715	0.000765975	0.000765975	4.02419E-06	0.011156968	0.002953894	0.257858098	0.023370493	5.70594E-06	61.59816742	6.2468E-05	0.000305342	0.000645226
2106 Jun	421.7603455	0.046999581	0.010872119	0.000774557	11.3403511	0.021937974	186.6802368	0.000763055	0.000763055	3.98805E-06	0.010490398	0.002751328	0.229973331	0.023461452	5.4834E-06	56.92012024	5.75693E-05	0.000303527	0.000615083
2106 Jul	431.7088623	0.046323493	0.010886815	0.000794025	11.32125473	0.022370467	191.4476929	0.00078244	0.00078244	4.08949E-06	0.010750525	0.00280624	0.2359588	0.023531161	5.62391E-06	57.9593277	5.90646E-05	0.000306525	0.000621938
2106 Aug	441.6099548	0.044828203	0.010542053	0.000791854	11.07435036	0.022839727	196.7668152	0.000780313	0.000780313	4.08396E-06	0.010813776	0.002842244	0.242527992	0.023091497	5.66256E-06	58.71574402	5.9804E-05	0.000301616	0.000621578
2106 Sep	453.8684692	0.044544861	0.010012064	0.000775409	10.74287319	0.023057077	203.4607849	0.000763943	0.000763943	4.00854E-06	0.010884842	0.002871635	0.250785917	0.022365037	5.64284E-06	59.58039856	6.07862E-05	0.000295394	0.000619358
2106 Oct	468.2828674	0.045016319	0.009777108	0.00076633	10.59735298	0.023051033	210.8293304	0.00075472	0.00075472	3.96944E-06	0.011059957	0.002924351	0.259750247	0.02213024	5.6644E-06	60.92725754	6.23975E-05	0.000294123	0.000627271
2106 Nov	471.2762756	0.04505555	0.0097806	0.000766639	10.60086918	0.023065016	212.2905121	0.000754975	0.000754975	3.9721E-06	0.01110354	0.002938179	0.261531383	0.022159027	5.679E-06	61.25064468	6.27536E-05	0.000294731	0.000630059
2106 Dec	472.6029968	0.045037214	0.009776334	0.000766249	10.59516811	0.023053925	212.950592	0.000754563	0.000754563	3.97066E-06	0.011119507	0.002943771	0.262333751	0.022159789	5.68299E-06	61.38686752	6.29065E-05	0.000294866	0.000631176
2107 Jan	472.7009277	0.045040391	0.009776727	0.00076625	10.59559917	0.023054184	212.9980011	0.000754562	0.000754562	3.9707E-06	0.011120869	0.002944233	0.262391329	0.022161337	5.68342E-06	61.3978157	6.2918E-05	0.00029489	0.000631278
2107 Feb	472.8245239	0.04504982	0.009779116	0.000766379	10.59799194	0.023057748	213.0545044	0.000754688	0.000754688	3.97138E-06	0.011123283	0.002944958	0.262460291	0.022166714	5.68455E-06	61.41362762	6.29336E-05	0.000294958	0.000631448
2107 Mar	473.1482849	0.045079585	0.009785763	0.000766868	10.60509014	0.023072297	213.2007751	0.00075517	0.00075517	3.97393E-06	0.011130651	0.002946954	0.262640119	0.022181746	5.68827E-06	61.45559692	6.29763E-05	0.000295157	0.000631883
2107 Apr	473.8691711	0.045148447	0.009800809	0.000768029	10.62134457	0.023107151	213.5254669	0.000756313	0.000756313	3.97995E-06	0.011147549	0.002951446	0.263040006	0.022215782	5.6969E-06	61.54936981	6.30721E-05	0.000295608	0.000632851
2107 May	464.3265991	0.045820151	0.010161652	0.000774667	10.91696835	0.023028396	208.342865	0.000763256	0.000763256	4.00967E-06	0.011039982	0.002925576	0.256636113	0.022771478	5.68341E-06	60.89450836	6.20442E-05	0.000300125	0.000634354
2107 Jun	429.0343628	0.046425626	0.010937585	0.000786645	11.47714329	0.02249076	190.0088806	0.000776324	0.000776324	4.0575E-06	0.010599958	0.002799489	0.234109342	0.023785429	5.57972E-06	57.85758591	5.82389E-05	0.000307206	0.000624099
2107 Jul	440.8403015	0.045932256	0.010921076	0.000798445	11.46694946	0.022919208	195.7654724	0.000787995	0.000787995	4.12129E-06	0.010813874	0.002860752	0.241199255	0.02387738	5.69062E-06	59.10461807	5.96778E-05	0.000308999	0.000633305
2107 Aug	458.7883301	0.046316989	0.011028347	0.000813363	11.60600853	0.023499839	204.3186035	0.000802622	0.000802622	4.20247E-06	0.011131	0.002956162	0.251693696	0.024251772	5.84139E-06	61.15875626	6.18211E-05	0.000314534	0.000651316
2107 Sep	476.4668884	0.046908744	0.010868975	0.000810644	11.53638649	0.023684304	213.1466827	0.00079971	0.00079971	4.19628E-06	0.011380541	0.003029991	0.26247564	0.024175718	5.9076E-06	62.93415451	6.38463E-05	0.000315504	0.000653552
2107 Oct	484.2644653	0.047352709	0.010536295	0.000797916	11.32496166	0.023644714	217.3993988	0.000787009	0.000787009	4.13685E-06	0.011450866	0.003047524	0.267647505	0.02374143	5.8835E-06	63.48981857	6.46392E-05	0.000311466	0.000663184
2107 Nov	483.4639282	0.047667496	0.010423361	0.000794833	11.26918507	0.023695223	217.1313477	0.000783995	0.000783995	4.12154E-06	0.01143793	0.003038841	0.267326206	0.023583084	5.86612E-06	63.32027817	6.45122E-05	0.000309649	0.000659877
2107 Dec	486.1950073	0.047605369	0.010410152	0.000793701	11.25251484	0.023661997	218.4984131	0.000782822	0.000782822	4.11698E-06	0.011468742	0.00305	0.268987	0.02357634	5.8728E-06	63.59580231	6.48241E-05	0.000309834	0.000662089
2108 Jan	487.0489807	0.047589388	0.010406984	0.000793368	11.24824619	0.023652053	218.9244232	0.000782478	0.000782478	4.11566E-06	0.011478459	0.003053543	0.269504279	0.023576071	5.87498E-06	63.68304062	6.49216E-05	0.00030991	0.000662808
2108 Feb	487.2278137	0.047591083	0.010407912	0.000793354	11.24888134	0.023651171	219.0111084	0.000782462	0.000782462	4.11566E-06	0.011480744	0.003054381	0.269609362	0.023578979	5.87569E-06	63.70305252	6.49423E-05	0.000309954	0.000663002
2108 Mar	487.5875549	0.047627136	0.010416027	0.000793931	11.25753498	0.023668174	219.1723175	0.000783031	0.000783031	4.11866E-06	0.011489126	0.00305665	0.269807518	0.023597157	5.87998E-06	63.75054169	6.49901E-05	0.000310189	0.000663506
2108 Apr	490.3910522	0.047911614	0.010479228	0.000798567	11.32537174	0.023805456	220.4276123	0.000787605	0.000787605	4.14269E-06	0.011555416	0.003074402	0.271352023	0.023738958	5.91409E-06	64.12070465	6.53638E-05	0.00031203	0.000667415

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 May	495.9454041	0.048599314	0.010655741	0.000808679	11.50386524	0.024077319	222.8423462	0.000797606	0.000797606	4.19492E-06	0.011689541	0.003112101	0.274310261	0.024111019	5.98558E-06	64.90737152	6.61109E-05	0.000316549	0.000676616
2108 Jun	449.8857727	0.046065807	0.010690126	0.000818736	11.3074255	0.023375735	200.2687683	0.000808854	0.000808854	4.22989E-06	0.01116117	0.002901012	0.246991813	0.023580035	5.83647E-06	59.84385681	6.1423E-05	0.00031026	0.00063286
2108 Jul	463.920166	0.046460934	0.01089369	0.00084476	11.48720932	0.023967875	206.7189331	0.000834678	0.000834678	4.36505E-06	0.011525378	0.002984712	0.255022317	0.024027359	6.02391E-06	61.53063965	6.34861E-05	0.000317917	0.000648251
2108 Aug	487.041626	0.047641128	0.011158003	0.000869368	11.79012585	0.024784626	217.5154419	0.000858896	0.000858896	4.49626E-06	0.011981983	0.003113956	0.268293381	0.024722705	6.2426E-06	64.30721283	6.63806E-05	0.000328003	0.000674354
2108 Sep	500.5974121	0.047856379	0.01102414	0.000865619	11.71973801	0.02488978	224.3183289	0.000855034	0.000855034	4.4834E-06	0.012153197	0.003169321	0.276599824	0.024637029	6.2856E-06	65.6541748	6.78741E-05	0.000328407	0.000683502
2108 Oct	489.0637207	0.049049113	0.010400014	0.000841893	11.37224197	0.024911411	219.4308167	0.000831775	0.000831775	4.36258E-06	0.011924394	0.003085442	0.270616204	0.023676034	6.12559E-06	63.93737411	6.62213E-05	0.000316279	0.000659362
2108 Nov	488.5099792	0.049416147	0.010306198	0.000839531	11.33499622	0.024983227	219.254303	0.000829471	0.000829471	4.3509E-06	0.011917138	0.003079102	0.270404249	0.02355512	6.11254E-06	63.81510925	6.61219E-05	0.000314832	0.000656773
2108 Dec	490.5002441	0.049378902	0.010297841	0.000838788	11.324646	0.024962245	220.2477264	0.000828704	0.000828704	4.348E-06	0.011940039	0.003087354	0.271611154	0.023553366	6.11781E-06	64.01777649	6.63493E-05	0.000314998	0.000658423
2109 Jan	490.6393738	0.049382344	0.010298187	0.000838773	11.32505035	0.024962142	220.3154907	0.000828687	0.000828687	4.34798E-06	0.011941861	0.003087995	0.271693319	0.023555219	6.11834E-06	64.03313446	6.63653E-05	0.000315028	0.000658565
2109 Feb	490.7063293	0.049392071	0.010300675	0.000838894	11.32755852	0.024965351	220.3440857	0.000828806	0.000828806	4.34861E-06	0.01194344	0.003088465	0.271728158	0.023560409	6.11919E-06	64.04303741	6.63742E-05	0.000315088	0.000658688
2109 Mar	491.0898438	0.049432915	0.010309439	0.000839563	11.33707523	0.024985066	220.5152588	0.000829468	0.000829468	4.35207E-06	0.011952811	0.003090916	0.271939069	0.02358014	6.12403E-06	64.09386444	6.6426E-05	0.000315346	0.000659223
2109 Apr	493.0059814	0.049628105	0.010350388	0.000842854	11.38198853	0.02508281	221.3746033	0.00083272	0.00083272	4.36913E-06	0.011999497	0.003103015	0.272998631	0.023673482	6.14799E-06	64.34474182	6.66852E-05	0.000316589	0.000661816
2109 May	479.3084106	0.050542176	0.010890733	0.000851154	11.81656361	0.02492276	213.9261017	0.000841395	0.000841395	4.40533E-06	0.01183092	0.003065976	0.263776571	0.024499033	6.12206E-06	63.42154694	6.51747E-05	0.000323209	0.000664655
2109 Jun	451.6419067	0.051456165	0.01171156	0.00086385	12.43520164	0.024523614	199.2721405	0.000854834	0.000854834	4.45847E-06	0.011485371	0.002977247	0.245716482	0.025658431	6.05363E-06	61.25567245	6.21638E-05	0.000332097	0.00066243
2109 Jul	468.4833679	0.050381985	0.011582059	0.000868983	12.30757618	0.024803061	207.7035217	0.000859854	0.000859854	4.49159E-06	0.011720031	0.003054034	0.256040305	0.025588576	6.15608E-06	62.9209137	6.4089E-05	0.000332296	0.00067381
2109 Aug	486.2354126	0.049520742	0.011463022	0.00087609	12.2305975	0.025308754	216.5376892	0.000866831	0.000866831	4.53485E-06	0.011960647	0.003138621	0.266849458	0.025594536	6.27181E-06	64.72724152	6.5999E-05	0.0003327	0.000686457
2109 Sep	501.7381897	0.049539715	0.011046522	0.000858223	11.94074154	0.025198162	224.7149048	0.000848949	0.000848949	4.45326E-06	0.012094038	0.003185092	0.276810586	0.02506198	6.25791E-06	66.02035522	6.7571E-05	0.000328454	0.000691055
2109 Oct	498.2848206	0.050607037	0.010250177	0.000826689	11.44957447	0.025085874	224.0463867	0.000817789	0.000817789	4.29697E-06	0.011947111	0.003126647	0.275970757	0.023863273	6.09736E-06	64.99653625	6.68196E-05	0.000314836	0.00067012
2109 Nov	501.521759	0.050783511	0.01018635	0.000824677	11.41597652	0.025108511	225.7068787	0.000815766	0.000815766	4.28843E-06	0.011988671	0.00313826	0.277994633	0.023800181	6.10249E-06	65.29402161	6.71785E-05	0.000314451	0.000671641
2109 Dec	503.7998657	0.050738808	0.010177143	0.000823864	11.40435219	0.025084578	226.8431854	0.000814928	0.000814928	4.28532E-06	0.012015112	0.003147735	0.279375464	0.023798799	6.10872E-06	65.52635193	6.74397E-05	0.000314653	0.000673537
2110 Jan	504.1149292	0.050742283	0.010177671	0.000823861	11.40481853	0.025084691	226.996933	0.000814921	0.000814921	4.28543E-06	0.012019426	0.003149184	0.279562473	0.023802245	6.11008E-06	65.56063843	6.74767E-05	0.000314719	0.000673843
2110 Feb	504.2425537	0.050753344	0.010180363	0.000824003	11.40757179	0.025088659	227.0548096	0.000815062	0.000815062	4.28618E-06	0.012021982	0.00314995	0.279633075	0.023808336	6.11131E-06	65.57727814	6.74929E-05	0.000314795	0.000674025
2110 Mar	504.519043	0.050783314	0.010186616	0.000824469	11.41445541	0.02510266	227.1783295	0.000815523	0.000815523	4.28861E-06	0.012028622	0.003151714	0.279785037	0.023822632	6.11472E-06	65.6139679	6.75299E-05	0.000314979	0.000674414
2110 Apr	505.7073975	0.050904147	0.010210992	0.00082642	11.44169807	0.025161922	227.7128601	0.000817452	0.000817452	4.29875E-06	0.012056979	0.003159157	0.280443221	0.023879448	6.12916E-06	65.76892853	6.7689E-05	0.000315727	0.000676013
2110 May	514.2174072	0.051081173	0.010373644	0.000827748	11.55720997	0.025059013	231.6817017	0.000818751	0.000818751	4.30896E-06	0.012172211	0.003204274	0.285225809	0.024212141	6.17156E-06	66.83283997	6.87202E-05	0.000319899	0.000688493
2110 Jun	491.0508728	0.048143484	0.010826238	0.000799941	11.55474281	0.022846917	220.1640472	0.000791956	0.000791956	4.16413E-06	0.01164194	0.003092695	0.270846784	0.024479616	5.93276E-06	64.58654785	6.61256E-05	0.000320761	0.000682659
2110 Jul	497.9848328	0.047685876	0.010845795	0.000815676	11.56080437	0.023251137	223.4573212	0.000807665	0.000807665	4.24579E-06	0.011829906	0.003133339	0.274988085	0.024563223	6.04134E-06	65.32993317	6.71522E-05	0.000323003	0.000687639
2110 Aug	485.3583984	0.043966115	0.009996125	0.000795113	10.88360977	0.023627756	218.5310364	0.000787579	0.000787579	4.14091E-06	0.011420364	0.003042022	0.269102752	0.023102481	5.89798E-06	63.18566132	6.47031E-05	0.000303857	0.000654085
2110 Sep	489.3246155	0.044586867	0.009283501	0.000768858	10.45086384	0.023680219	221.3851318	0.000761543	0.000761543	4.01356E-06	0.011372845	0.003022258	0.272626966	0.022061184	5.7951E-06	63.02193451	6.47459E-05	0.000293261	0.000640904
2110 Oct	482.506134	0.046682205	0.008684871	0.000751208	10.17392445	0.023940034	218.6919098	0.000744192	0.000744192	3.92432E-06	0.011272878	0.002963652	0.26936084	0.021211268	5.68441E-06	61.8578949	6.37773E-05	0.000283279	0.000621182
2110 Nov	483.7603455	0.04696624	0.008540587	0.000745427	10.0876627	0.023920538	219.4891052	0.000738448	0.000738448	3.89638E-06	0.011275129	0.002961494	0.270325392	0.021010822	5.6632E-06	61.87500381	6.38725E-05	0.000281192	0.000619142
2110 Dec	486.1443787	0.046921432	0.008531222	0.000744575	10.07579231	0.023894785	220.6776276	0.000737573	0.000737573	3.89313E-06	0.011302904	0.002971423	0.271769524	0.021010077	5.66971E-06	62.1185379	6.41465E-05	0.000281411	0.000621139
2111 Jan	486.9774475	0.046905663	0.008528649	0.000744252	10.07208157	0.023884377	221.0923309	0.000737242	0.000737242	3.89187E-06	0.011312353	0.002974906	0.272272885	0.021010958	5.67186E-06	62.20430374	6.42417E-05	0.000281192	0.000621862
2111 Feb	487.1852112	0.046905503	0.008529447	0.000744203	10.07245636	0.023882205	221.1936493	0.000737192	0.000737192	3.89172E-06	0.011314806	0.002975852	0.272395521	0.021013794	5.67253E-06	62.22722626	6.42656E-05	0.000281543	0.000622082
2111 Mar	487.7353516	0.046959069	0.008539579	0.000745028	10.0841856	0.023908349	221.4429474	0.000738008	0.000738008	3.89603E-06	0.011327426	0.002979223	0.272702128	0.021038368	5.67885E-06	62.29799652	6.43378E-05	0.000281867	0.000622802
2111 Apr	489.8468933	0.047163989	0.008577062	0.000748264	10.12832165	0.024012038	222.4008789	0.000741215	0.000741215	3.91295E-06	0.011376502	0.002992149	0.273881674	0.021130392	5.70348E-06	62.56825638	6.46164E-05	0.000283096	0.000625513
2111 May	482.6895447	0.048097156	0.009033948	0.000760406	10.50882244	0.024061609	218.2342224	0.000753499	0.000753499	3.97032E-06	0.011331894	0.002983295	0.268731922	0.021862388	5.72571E-06	62.26054382	6.39254E-05	0.00028985	0.000631152
2111 Jun	434.8512573	0.048325885	0.010148526	0.000772018	11.23729801	0.023046728	193.4251556	0.000765983	0.000765983	4.00906E-06	0.010689078	0.002809104	0.238217026	0.023220077	5.55957E-06	58.13314438	5.87161E-05	0.000299381	0.000618129
2111 Jul	455.9413757	0.049072381	0.010375127	0.00079592	11.46849346	0.023696396	203.2974396	0.000789664	0.000789664	4.13672E-06	0.011126147	0.002926455	0.250364691	0.023809982	5.76736E-06	60.62975311	6.14872E-05	0.000308439	0.000641429
2111 Aug	459.608551	0.046826512	0.009896746	0.000786373	11.08236885	0.023985524	205.8009186	0.000780241	0.000780241	4.0921E-06	0.011050045	0.002924575	0.253514707	0.023057103	5.7443E-06	60.56801605	6.13736E-05	0.000299764	0.000631896
2111 Sep	478.7208862	0.04624607	0.009547329	0.000774904	10.83810616	0.024080614	215.6473999	0.000768702	0.000768702	4.0438E-06	0.011234132	0.002992747	0.265597314	0.022629203	5.77729E-06	62.2986412	6.32919E-05	0.000297615	0.000640204
2111 Oct	481.6402893	0.046955846	0.009070468	0.000755787	10.53350639	0.023967231	217.6990051	0.000749689	0.000749689	3.95076E-06	0.011222611	0.002979622	0.268076211	0.021937875	5.70179E-06	62.20943451	6.34804E-05	0.00029034	0.000632186
2111 Nov	482.4339889	0.047574915	0.008786582	0.000745741	10.36867905	0.023972105	218.4351501	0.000739715	0.000739715	3.90163E-06	0.011214743	0.002968532	0.268969595	0.021534415	5.65909E-06	62.06570053	6.34932E-05	0.000286017	0.000626496
2111 Dec	484.7615967	0.047556449	0.008772727	0.000744875	10.35570335	0.023953287	219.5992889	0.000738831	0.000738831	3.89832E-06	0.011242701	0.002978083	0.270384908	0.021528345	5.66533E-06	62.30060577	6.37609E-05	0.000286175	0.000628336
2112 Jan	485.6878357	0.047538016	0.008769529	0.000744503	10.35128021	0.023941321	220.0608368	0.000738451	0.000738451	3.89686E-06	0.011253164	0.002981938	0.270945102	0.021528805	5.66766E-06	62.39564896	6.38668E-05	0.000286264	0.000629133
2112 Feb	486.3826599	0.047531385	0.008769477	0.000744347	10.3502903	0.023935484	220.4030609	0.000738291	0.000738291	3.89638E-06	0.011261649	0.002984994	0.271360606	0.021533556	5.66999E-06	62.46952438	6.39473E-05	0.000286377	0.000629788
2112 Mar	487.3620605	0.047584753	0.008779968	0.000745155	10.36215782	0.023960996	220.8624268	0.000739088	0.000739088	3.9008E-06	0.011280017	0.002990318	0.271922857	0.021562105	5.67813E-06	62.5865593	6.40698E-05	0.000286785	0.000630916
2112 Apr	489.2814331	0.047761478	0.008812877	0.000747907	10.40078259	0.024049241	221.736084	0.000741816	0.000741816	3.91525E-06	0.01132328	0.003001923	0.272997499	0.02164351	5.69962E-06	62.83097076	6.43205E-05	0.000287874	0.000633371
2112 May	486.3177185	0.048500463	0.009379311	0.000756125	10.82324314	0.023796489	219.5444794	0.000750182	0.000750182	3.95488E-06	0.011303256	0.003013195	0.270177543	0.022556445	5.7202E-06	63.05451584	6.41227E-05	0.000296716	0.000646441
2112 Jun	424.2116699	0.045993429	0.01015905	0.000741439	11.05604649	0.021596907	188.4838562	0.000736522	0.000736522	3.85716E-06	0.010318225	0.002741894	0.231986761	0.023015585	5.36792E-06	56.92235565	5.72252E-05	0.000296141	0.000612226
2112 Jul	435.5097046	0.044614665	0.010030506	0.000750361	10.86599445	0.021655262	194.1893921	0.000745412	0.000745412	3.90707E-06	0.01054193	0.002790319	0.239094362	0.022798764	5.46508E-06	57.93144608	5.88388E-05	0.000296536	0.000617048
2112 Aug	464.519104	0.044904422	0.010068429	0.00075965	10.94699669	0.022102296	208.2717285	0.000754469	0.000754469	3.96565E-06	0.010982557	0.002929601	0.256329447	0.023133801	5.63869E-06	61.10377502	6.22281E-05	0.000303186	0.000643766
2112 Sep	496.842041	0.044340719	0.009759631	0.000746086	10.69916344	0.021997724	224.5788879	0.000740698	0.000740698	3.9123E-06	0.011346058	0.003057814	0.276214123	0.022865891	5.71951E-06	64.26898956	6.57868E-05	0.00030362	0.000665917
2112 Oct	516.9650269	0.044324145	0.009470395	0.000732247	10.4775877	0.021818971	234.865448	0.000726746	0.000726746	3.85233E-06	0.011566003	0.003131476	0.28871727	0.02255981	5.74433E-06	66.15666199	6.80248E-05	0.00030214	0.000677963
2112 Nov	525.9719238	0.044248514	0.009401521	0.000728389	10.4174118	0.021747941	239.3900909	0.000722824	0.000722824	3.83702E-06	0.011671719	0.003167708	0.294218451	0.022513894	5.76622E-06	67.05287933	6.90507E-05	0.000302489	0.000684736
2112 Dec	527.1948242	0.04424081	0.009398362	0.000728169	10.41401958	0.021742789	239.995163	0.000722595	0.000722595	3.83645E-06	0.011687395	0.00317301	0.294954687	0.022517718	5.77061E-06	67.18029785	6.9193E-05	0.000302649	0.000685794
2113 Jan	528.4345703	0.044210296	0.00939213	0.000727612	10.40642929	0.021726158	240.615799	0.000722029	0.000722029	3.83421E-06	0.011701074	0.00317807	0.295708209	0.022515045	5.77347E-06	67.30558777	6.93341E-05	0.000302734	0.000686811
2113 Feb	528.6339722	0.044216204	0.009393821	0.000727673	10.4080267	0.021727642	240.7108307	0.000722089	0.000722089	3.8346E-06	0.011704123	0.003179077	0.295823783	0.022519762	5.77463E-06	67.32875824	6.9358E-05	0.000302802	0.000687039
2113 Mar	529.9440308	0.04429727	0.009411384	0.000728989	10.42721653	0.021766676	241.3189697	0.000723391	0.000723391	3.84168E-06	0.011730119	0.003186455	0.29656902	0.02256427	5.78664E-06	67.4889679	6.95251E-05	0.000303423	0.000688626
2113 Apr	531.9459229	0.044460118	0.009446124	0.000731657	10.46561337	0.02184625	242.2324066	0.000726039	0.000726039	3.85577E-06	0.011773893	0.003198412	0.297691107	0.022647865	5.80809E-06	67.74295807	6.97869E-05	0.00030455	0.000691212
2113 May	530.3120117	0.045232169	0.009874182	0.000740052	10.80669308	0.021778719	240.8444519	0.000734523	0.000734523	3.89677E-06	0.011781693	0.003211383	0.295901537	0.023363084	5.83682E-06	67.990242	6.971E-05	0.000311523	0.000701502
2113 Jun	487.1877441	0.0453825	0.010637619	0.000747557	11.29814625	0.021042125	218.7878571	0.000742611	0.000742611	3.91621E-06	0.011199222	0.003044569	0.268821836	0.024201108	5.67449E-06	64.04669952	6.494E-05	0.000315964	0.000683018
2113 Jul	500.2746582	0.045403659	0.010724747	0.000766039	11.40361786	0.021654114	224.9716949	0.000761007	0.000761007	4.014E-06	0.011473765	0.003119424	0.276452988	0.024506718	5.82255E-06	65.55187225	6.6605E-05	0.000320335	0.000695833
2113 Aug	521.8528442	0.045254406	0.010699061	0.000774064	11.41927242	0.022092447	235.5207672	0.000768895	0.000768895	4.06341E-06	0.011795408	0.003223185	0.289366841	0.024685502	5.95823E-06	67.86312103	6.90749E-05	0.000323975	0.0007143
2113 Sep	532.3121948	0.045385543	0.010319995	0.000762444	11.18037701	0.02219452	241.1301117	0.000757276	0.000757276	4.01069E-06	0.011892681	0.003251777	0.296248198	0.024188131	5.95204E-06	68.66132355	7.0088E-05	0.000319827	0.000714539
2113 Oct	523.664978	0.046807073	0.009554958	0.000738672	10.73988438	0.022347465	237.8186493	0.000733716	0.000733716	3.88988E-06	0.011728319	0.00317509	0.292240947	0.023012096	5.80517E-06	67.1174469	6.8817E-05	0.000306149	0.000688676
2113 Nov	523.4954224	0.047520563	0.009360815	0.000735057	10.65679741	0.022518892	237.931015	0.000730144	0.000730144	3.87214E-06	0.011736099	0.003166629	0.29240036	0.022757206	5.78852E-06	66.96069336	6.87547E-05	0.000303372	0.000683883
2113 Dec	524.8288574	0.047513694	0.009356609	0.000734805	10.65273666	0.022513768	238.5915375	0.000729883	0.000729883	3.87146E-06	0.011753227	0.003172382	0.293204218	0.022760412	5.79326E-06	67.09909821	6.89098E-05	0.000303536	0.00068502
2114 Jan	525.4180298	0.047506098	0.00935493	0.000734617	10.65062523	0.022508277	238.8840179	0.000729691	0.000729691	3.87078E-06	0.011760188	0.003174885	0.293559432	0.022761768	5.79498E-06	67.16020203	6.89775E-05	0.000303604	0.000685535
2114 Feb	525.4780273	0.047511563	0.009356629	0.000734657	10.65220833	0.02250902	238.9109039	0.000729731	0.000729731	3.871E-06	0.011761161	0.00317525	0.293591768	0.022765378	5.79542E-06	67.16846466	6.89846E-05	0.000303644	0.000685638
2114 Mar	526.0133057	0.047562808	0.00936705	0.000735425	10.66389179	0.022532294	239.1529694	0.000730494	0.000730494	3.87505E-06	0.011773208	0.003178532	0.293888986	0.022790207	5.80141E-06	67.237854	6.90549E-05	0.000303969	0.000686361
2114 Apr	527.3909912	0.047689006	0.009392091	0.000737363	10.69229889	0.022591503	239.7785797	0.000732419	0.000732419	3.88525E-06	0.011804081	0.003186885	0.294657677	0.022850834	5.81665E-06	67.41451263	6.92358E-05	0.000304774	0.000688173
2114 May	523.0319824	0.048022233	0.009882188	0.000739526	11.02847004	0.022169933	237.0575256	0.000734728	0.000734728	3.89412E-06	0.011724403	0.003185475	0.291170806	0.023601616	5.80239E-06	67.40024567	6.87974E-05	0.000311608	0.000698301
2114 Jun	511.4483948	0.048422564	0.010616199	0.000752455	11.52922726	0.021749521	230.4424133	0.000747905	0.000747905	3.9536E-06	0.011608893	0.003164325	0.282960504	0.024667442	5.80645E-06	66.82180786	6.77434E-05	0.00032175	0.000707344
2114 Jul	536.5258179	0.049153879	0.010837561	0.000775873	11.76746178	0.022445938	242.2735138	0.00077115	0.00077115	4.08093E-06	0.012088515	0.003300611	0.297475278	0.025306854	6.02991E-06	69.75476074	7.09208E-05	0.000331258	0.000734556
2114 Aug	569.5343628	0.050109219	0.011049938	0.000795823	12.01864719	0.023130126	258.0068665	0.000790871	0.000790871	4.19434E-06	0.012652192	0.003471049	0.316725731	0.026007943	6.27136E-06	73.54476929	7.49328E-05	0.000342087	0.000769236
2114 Sep	578.805542	0.049793813	0.01053176	0.000778852	11.66044617	0.023173904	263.2479248	0.000773937	0.000773937	4.11473E-06	0.012697838	0.003486158	0.32317847	0.025254868	6.23561E-06	74.07583618	7.57038E-05	0.000335214	0.000764767
2114 Oct	586.9868164	0.050040156	0.009947932	0.000756457	11.2540226	0.023028716	268.0495605	0.000751589	0.000751589	4.00765E-06	0.012734403	0.003491192	0.329023212	0.024410544	6.16887E-06	74.43525696	7.6446E-05	0.000326829	0.000758696
2114 Nov	587.4985352	0.050368328	0.009503899	0.000740484	10.95815182	0.022973387	268.8860168	0.000735689	0.000735689	3.92903E-06	0.012692586	0.00346989	0.330046326	0.023734167	6.09785E-06	74.10507202	7.6345E-05	0.00031953	0.000748759
2114 Dec	589.3896484	0.050343476	0.009478727	0.00073925	10.93726826	0.022953225	269.8511963	0.000734448	0.000734448	3.92374E-06	0.012713071	0.00347689	0.331219912	0.023707174	6.10051E-06	74.28327942	7.65564E-05	0.000319419	0.00074993
2115 Jan	590.2462769	0.05032704	0.009475539	0.000738933	10.93328857	0.022943638	270.2778931	0.000734126	0.000734126	3.92254E-06	0.012722901	0.003480474	0.331738055	0.023707654	6.10281E-06	74.37122345	7.66544E-05	0.000319502	0.000750662
2115 Feb	590.9338379	0.050316963	0.009474706	0.000738738	10.93157673	0.022936847	270.6177979	0.000733928	0.000733928	3.92187E-06	0.012731033	0.003483451	0.332150698	0.023711063	6.10493E-06	74.443573	7.67334E-05	0.0003196	0.000751293
2115 Mar	591.5176392	0.050336458	0.009478933	0.000738999	10.93607426	0.022944538	270.8960876	0.000734184	0.000734184	3.92342E-06	0.012740622	0.003486419	0.332490146	0.023723982	6.10874E-06	74.51091003	7.68047E-05	0.000319796	0.000751932

Appendix D.2-8: CP7

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Apr	593.6499023	0.050518751	0.009513515	0.00074166	10.97583199	0.023026964	271.8721008	0.000736828	0.000736828	3.93754E-06	0.012786491	0.003499002	0.333687872	0.023810228	6.13074E-06	74.77993011	7.70814E-05	0.000320954	0.000754656
2115 May	571.8104858	0.051304948	0.01010934	0.000752607	11.43235207	0.022860188	260.3764343	0.000747991	0.000747991	3.98235E-06	0.012517977	0.003427329	0.319548637	0.024625055	6.08025E-06	73.01403046	7.46613E-05	0.000326856	0.00075078
2115 Jun	560.3339844	0.052735802	0.010869977	0.000776845	12.05758095	0.023034124	253.6405334	0.000772376	0.000772376	4.09771E-06	0.012476628	0.003416092	0.311263263	0.025829805	6.13878E-06	72.53544617	7.36327E-05	0.000338357	0.00075982
2115 Jul	576.2331543	0.053413626	0.01106882	0.000800785	12.29767227	0.023853013	260.9962158	0.000796215	0.000796215	4.22378E-06	0.012819171	0.003511981	0.320315421	0.026392421	6.32432E-06	74.48217773	7.564E-05	0.00034547	0.000778194
2115 Aug	569.2688599	0.051070273	0.010563753	0.000789735	11.8749485	0.024045197	258.3399353	0.000785306	0.000785306	4.16685E-06	0.012597106	0.003458766	0.317193866	0.025480282	6.24683E-06	73.23999786	7.43132E-05	0.000334475	0.000757928
2115 Sep	585.8920898	0.050247226	0.010239135	0.000779953	11.63105392	0.024116158	266.9420471	0.000775495	0.000775495	4.12602E-06	0.01275327	0.00351719	0.327765554	0.025059249	6.27711E-06	74.71468353	7.59787E-05	0.000332208	0.000764404
2115 Oct	602.2859497	0.050072145	0.009988838	0.000767953	11.42647457	0.023916507	275.3516846	0.000763444	0.000763444	4.07378E-06	0.012929481	0.003575934	0.337990314	0.024774499	6.29425E-06	76.23038483	7.78166E-05	0.000330747	0.000773832
2115 Nov	603.5913086	0.050391857	0.009719176	0.000758758	11.25190926	0.023896957	276.3369446	0.000754289	0.000754289	4.02898E-06	0.01292635	0.003567721	0.339195937	0.02437634	6.25796E-06	76.13916016	7.78977E-05	0.000326615	0.000768705
2115 Dec	604.4810181	0.050422762	0.00970134	0.00075821	11.2409811	0.023899155	276.7947693	0.00075374	0.00075374	4.02667E-06	0.012937794	0.00357087	0.339754313	0.024357196	6.25942E-06	76.21961212	7.79985E-05	0.0003265	0.000769106
2116 Jan	605.7794189	0.050390463	0.009695063	0.000757636	11.23324013	0.023881242	277.4441833	0.000753159	0.000753159	4.02439E-06	0.012952213	0.003576187	0.340542763	0.024355017	6.26247E-06	76.3511734	7.81468E-05	0.000326597	0.000770182
2116 Feb	606.1192017	0.050403602	0.009698525	0.000757776	11.23666859	0.023884919	277.605011	0.000753298	0.000753298	4.02523E-06	0.012957615	0.003577951	0.340738356	0.024364309	6.26463E-06	76.39141083	7.81878E-05	0.000326725	0.000770586
2116 Mar	606.4692993	0.050434873	0.009705015	0.000758215	11.24391174	0.023898365	277.7641907	0.000753735	0.000753735	4.02756E-06	0.012965034	0.003580055	0.340933353	0.024379965	6.26824E-06	76.43647003	7.82328E-05	0.000326928	0.000771059
2116 Apr	608.4953003	0.050605547	0.009738119	0.000760764	11.28211308	0.023978472	278.6910706	0.000756268	0.000756268	4.04109E-06	0.013008398	0.003592051	0.342070907	0.024462668	6.28924E-06	76.69255066	7.84941E-05	0.000328032	0.000773654
2116 May	613.0680542	0.050723698	0.010111552	0.000761245	11.51956749	0.023572676	280.5051575	0.000756814	0.000756814	4.04547E-06	0.013051015	0.003625685	0.344140828	0.025081562	6.30788E-06	77.5150528	7.91101E-05	0.000334595	0.000788709
2116 Jun	545.4249878	0.048347205	0.010740793	0.000746884	11.66806221	0.021648271	246.9134521	0.000743114	0.000743114	3.94519E-06	0.011994463	0.003324565	0.302918911	0.025257064	5.9325E-06	70.654953	7.14672E-05	0.000330263	0.000744621
2116 Jul	562.7590332	0.048913095	0.010959797	0.000772262	11.87625217	0.022247875	254.9472504	0.000768402	0.000768402	4.07915E-06	0.012398589	0.003424256	0.312860131	0.025782913	6.13163E-06	72.72750854	7.38905E-05	0.000338881	0.000763919
2116 Aug	586.7727051	0.049737513	0.011115402	0.00078902	12.08389759	0.022877481	266.3586121	0.000785034	0.000785034	4.17304E-06	0.012819198	0.003549747	0.326856494	0.026309587	6.31832E-06	75.50013733	7.67883E-05	0.000347166	0.000788886
2116 Sep	588.5194092	0.049750566	0.010496952	0.00076899	11.66690636	0.022909977	268.0318604	0.000765088	0.000765088	4.07502E-06	0.012765916	0.003525835	0.328950793	0.025356434	6.23507E-06	75.14373779	7.66928E-05	0.000337258	0.000775292
2116 Oct	585.479126	0.050954957	0.009790599	0.000749324	11.25361156	0.023107728	267.3915405	0.000745544	0.000745544	3.9768E-06	0.012695266	0.003478555	0.328214973	0.02430312	6.1326E-06	74.24039459	7.61343E-05	0.000325563	0.000755606
2116 Nov	590.2046509	0.051155936	0.009693753	0.00074684	11.19889355	0.023147739	269.8197327	0.000743052	0.000743052	3.96665E-06	0.012758544	0.003495591	0.331179887	0.024203068	6.14245E-06	74.66901398	7.66673E-05	0.000324948	0.000757659
2116 Dec	591.855896	0.051109761	0.009683367	0.000746082	11.18715286	0.02312587	270.6487732	0.000742287	0.000742287	3.96362E-06	0.012776817	0.00350225	0.332187146	0.024196265	6.14623E-06	74.83396912	7.68554E-05	0.000325033	0.00075896
2117 Jan	592.5097046	0.051092174	0.009679927	0.000745771	11.18299675	0.023116469	270.9763184	0.000741974	0.000741974	3.96236E-06	0.012783912	0.003504909	0.332584679	0.02419471	6.14767E-06	74.89994049	7.69296E-05	0.000325075	0.000759496
2117 Feb	592.6234741	0.051092796	0.009680642	0.000745747	11.18346882	0.023115247	271.0314026	0.000741949	0.000741949	3.96229E-06	0.012785237	0.003505441	0.332651258	0.024196826	6.14805E-06	74.91283417	7.69426E-05	0.000325105	0.000759626
2117 Mar	593.0516357	0.051131446	0.009688273	0.000746292	11.19211292	0.023131918	271.2263184	0.000742492	0.000742492	3.96518E-06	0.012794466	0.003508004	0.332890242	0.024215458	6.15251E-06	74.96762848	7.69981E-05	0.00032535	0.000760194
2117 Apr	595.6287231	0.051355064	0.00973082	0.000749545	11.24116611	0.023232618	272.4043274	0.000745728	0.000745728	3.98247E-06	0.012850099	0.003523272	0.334335953	0.02432151	6.17929E-06	75.29389191	7.73327E-05	0.000326772	0.00076351
2117 May	584.9460449	0.052190982	0.010187203	0.000761527	11.61244011	0.023265604	266.5235901	0.0007578	0.0007578	4.03715E-06	0.012753772	0.003498072	0.327097595	0.025012085	6.18484E-06	74.5998764	7.62229E-05	0.000332708	0.00076575
2117 Jun	550.7739868	0.052788615	0.010964331	0.000779947	12.16775894	0.023021067	248.746582	0.000776486	0.000776486	4.11359E-06	0.012358816	0.003379093	0.305321574	0.025977451	6.11433E-06	71.64983368	7.25465E-05	0.000339586	0.000754455
2117 Jul	568.5689087	0.053497896	0.01117106	0.000803544	12.40649223	0.023776911	257.0214233	0.000799996	0.000799996	4.23889E-06	0.01273298	0.003482849	0.315499812	0.026554437	6.30664E-06	73.80020142	7.48218E-05	0.00034739	0.000774721
2117 Aug	582.6183472	0.053556599	0.01117849	0.000813588	12.46459198	0.024269249	263.8103638	0.000809991	0.000809991	4.29526E-06	0.01296572	0.00355452	0.323851705	0.026734909	6.41839E-06	75.34577179	7.64282E-05	0.000350581	0.000786938
2117 Sep	596.8754272	0.053664144	0.011027938	0.000810542	12.37680531	0.024377281	270.9720459	0.000806908	0.000806908	4.28665E-06	0.013153686	0.003612753	0.332609355	0.026626715	6.46862E-06	76.74961853	7.80339E-05	0.000350972	0.000796223
2117 Oct	595.8728638	0.054064989	0.010636235	0.000798118	12.12594414	0.024396095	270.9793396	0.000794546	0.000794546	4.22491E-06	0.013109802	0.003588361	0.332635701	0.026026314	6.40756E-06	76.30761719	7.77933E-05	0.000344416	0.000785948
2117 Nov	595.2286377	0.054199755	0.010529019	0.000794899	12.05943012	0.024410933	270.7972107	0.000791345	0.000791345	4.20876E-06	0.01309428	0.003580138	0.332419902	0.025860926	6.39008E-06	76.14833069	7.76853E-05	0.000342576	0.000782785
2117 Dec	597.1206665	0.054155849	0.010512573	0.000793929	12.04349518	0.02438809	271.7522278	0.000790369	0.000790369	4.20479E-06	0.013115222	0.00358757	0.333580792	0.025846697	6.39397E-06	76.33374786	7.78999E-05	0.000342606	0.000784166
2118 Jan	597.7768555	0.054141857	0.010509515	0.000793646	12.03991222	0.024379808	272.0800781	0.000790084	0.000790084	4.20367E-06	0.013122543	0.003590274	0.333978772	0.025846079	6.39555E-06	76.40054321	7.79746E-05	0.000342658	0.000784715
2118 Feb	597.8256226	0.054151714	0.010512191	0.000793742	12.04255676	0.024382148	272.0997009	0.00079018	0.00079018	4.20417E-06	0.013123679	0.003590659	0.334002346	0.025851509	6.3962E-06	76.40872955	7.79809E-05	0.000342716	0.000784831
2118 Mar	598.0339355	0.054174069	0.010516945	0.000794043	12.04777622	0.02439107	272.1928711	0.00079048	0.00079048	4.20575E-06	0.013128334	0.003591969	0.334116429	0.02586253	6.39853E-06	76.43653107	7.80081E-05	0.000342854	0.000785135
2118 Apr	598.7749023	0.054463502	0.010599698	0.00079658	12.12796879	0.024448166	272.4272461	0.000793015	0.000793015	4.21862E-06	0.013149802	0.003600161	0.33438766	0.026022993	6.41309E-06	76.60696411	7.81069E-05	0.000344475	0.000788069
2118 May	558.6325684	0.055314932	0.011475184	0.000805389	12.76193905	0.023921503	251.6686859	0.000802108	0.000802108	4.24427E-06	0.012592347	0.003453801	0.308835804	0.027120279	6.26718E-06	73.12857056	7.3522E-05	0.0003509	0.000775588
2118 Jun	491.122345	0.053871963	0.012089464	0.000799055	13.01050663	0.022612192	218.0468903	0.000796242	0.000796242	4.18308E-06	0.011576409	0.00316028	0.267632037	0.027372928	5.93031E-06	66.33885956	6.57706E-05	0.000346806	0.000730652
2118 Jul	512.9213257	0.055202831	0.01243847	0.00082893	13.38201427	0.023449754	228.0409088	0.000826014	0.000826014	4.34127E-06	0.012055213	0.003289901	0.279921919	0.028225131	6.16922E-06	69.0633316	6.8655E-05	0.0003585	0.000757962
2118 Aug	528.1723022	0.05372531	0.012031317	0.000820981	13.06524563	0.023679981	236.0872955	0.000818061	0.000818061	4.30922E-06	0.012181582	0.003341631	0.289845794	0.027665388	6.20391E-06	70.3091507	7.0073E-05	0.00035413	0.000760661
2118 Sep	529.0757446	0.053096697	0.011021488	0.000787783	12.33866882	0.023622449	237.9099884	0.000784972	0.000784972	4.14572E-06	0.012052598	0.003292405	0.292170405	0.026043147	6.05726E-06	69.48458862	6.9688E-05	0.000337278	0.000736251
2118 Oct	532.6484375	0.053501077	0.010251694	0.000762373	11.81364822	0.023562174	240.6742706	0.000759633	0.000759633	4.02179E-06	0.012030887	0.003268539	0.295566589	0.024878792	5.95728E-06	69.18814087	6.98741E-05	0.000325139	0.000721091
2118 Nov	537.1156616	0.053542148	0.010062397	0.000755681	11.67912197	0.023524351	243.1190643	0.000752944	0.000752944	3.9907E-06	0.012071242	0.003278652	0.29854846	0.024617299	5.94655E-06	69.4966507	7.03401E-05	0.000322771	0.000720711
2118 Dec	537.3909302	0.053562623	0.010062899	0.000755846	11.68115139	0.023532398	243.2509003	0.000753109	0.000753109	3.99165E-06	0.012076401	0.00328004	0.298710018	0.02462196	5.94857E-06	69.52767944	7.03741E-05	0.00032285	0.000720972
2119 Jan	538.1640015	0.05354679	0.010059724	0.000755565	11.67735767	0.023523929	243.6362	0.000752825	0.000752825	3.9906E-06	0.012085334	0.00328327	0.299178034	0.024622034	5.95068E-06	69.60681915	7.04627E-05	0.000322923	0.000721626
2119 Feb	538.7735596	0.053540159	0.010059266	0.000755436	11.67630196	0.023519326	243.9366302	0.000752694	0.000752694	3.99023E-06	0.012092835	0.003285949	0.299542964	0.024625815	5.95277E-06	69.67139435	7.05333E-05	0.000323018	0.000722192
2119 Mar	539.4761353	0.053610213	0.010072794	0.000756404	11.69179726	0.023549192	244.254425	0.000753659	0.000753659	3.99534E-06	0.012108445	0.003290241	0.299932867	0.0246586	5.96045E-06	69.76264954	7.0625E-05	0.000323444	0.000723148
2119 Apr	539.3813477	0.054483254	0.010353076	0.000762242	11.95202732	0.023641387	243.7987366	0.000759504	0.000759504	4.02405E-06	0.012124987	0.003304615	0.29930377	0.025172427	5.9847E-06	70.05580902	7.06176E-05	0.000328191	0.000730986
2119 May	487.4342041	0.056971777	0.012032631	0.000772288	13.24439335	0.022753993	216.2534485	0.000769884	0.000769884	4.04951E-06	0.011339983	0.003137844	0.265131623	0.027577622	5.78127E-06	66.13637543	6.44783E-05	0.00034447	0.000731867
2119 Jun	473.0934448	0.055632222	0.012120067	0.000772441	13.17395782	0.022260744	209.2171326	0.000770151	0.000770151	4.04422E-06	0.01114284	0.003071522	0.256570756	0.027461203	5.71868E-06	64.58175659	6.3018E-05	0.000342937	0.0007201
2119 Jul	497.2371216	0.056368202	0.012356095	0.000796409	13.4085207	0.022858053	220.5647888	0.000794034	0.000794034	4.17429E-06	0.011627966	0.003202792	0.270519882	0.028091459	5.94095E-06	67.414505	6.61927E-05	0.000352998	0.000746598
2119 Aug	514.0701294	0.056230541	0.012255913	0.000804833	13.39873409	0.023449164	228.8471985	0.00080242	0.00080242	4.22405E-06	0.011885227	0.003282002	0.280754834	0.028110117	6.05853E-06	69.16160583	6.80321E-05	0.000355287	0.000758086
2119 Sep	523.7918701	0.055158425	0.011596803	0.000784803	12.89498615	0.023433629	234.5332184	0.000782414	0.000782414	4.12956E-06	0.011915719	0.003291585	0.287792861	0.027086703	6.01196E-06	69.57853699	6.88182E-05	0.000345918	0.000749889
2119 Oct	528.9233398	0.05519817	0.011028625	0.000766652	12.48833656	0.023361674	237.8088379	0.000764294	0.000764294	4.04218E-06	0.011934626	0.003285199	0.291814029	0.026228577	5.95242E-06	69.61263275	6.92703E-05	0.000337338	0.000740775
2119 Nov	530.5353394	0.055213939	0.010802766	0.000759439	12.32674122	0.023333086	238.9013519	0.000757093	0.000757093	4.00726E-06	0.011936245	0.003280717	0.29315725	0.02588393	5.92686E-06	69.5803299	6.93994E-05	0.000333847	0.000736755
2119 Dec	531.7841797	0.055195834	0.010796758	0.000759104	12.32073307	0.023324959	239.5233765	0.000756755	0.000756755	4.00616E-06	0.0119517	0.003285975	0.293914199	0.025883248	5.93087E-06	69.70773315	6.95441E-05	0.000333963	0.000737774

Appendix D.2-8: CP7

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	5.5E-07	1.1E-04	2.9E-09	9.7E-04	2.4E-03	6.0E-05	8.6E-08	3.7E-03	7.6E-07	4.1E-06	2.8E-07	6.7E-08	3.8E-08	9.1E-05	5.8E-10	2.9E-08	6.1E-07	4.5E-07	4.5E-07
Operations (2020-2043): Mean	4.0E-03	6.9E-02	1.3E-05	8.1E+00	2.7E+01	2.6E-01	2.8E-03	3.5E+02	1.5E-02	3.4E-02	8.2E-04	2.0E-03	7.8E-04	1.2E+00	5.4E-05	1.3E-03	1.3E-03	3.5E-03	5.8E-03
Operations (2020-2043): Max	8.6E-03	2.3E-01	2.4E-05	2.2E+01	8.2E+01	7.0E-01	6.3E-03	1.2E+03	3.1E-02	1.0E-01	1.9E-03	4.8E-03	1.9E-03	3.7E+00	2.0E-04	3.2E-03	2.9E-03	6.3E-03	7.0E-03
Active Closure (2044-2050): Min	1.3E-03	1.6E-02	1.3E-06	1.4E+00	6.0E+00	2.2E-02	5.2E-04	3.4E+01	2.6E-03	4.4E-03	2.1E-04	4.0E-04	1.8E-04	8.5E-02	2.1E-06	1.4E-04	2.5E-04	1.2E-03	3.9E-04
Active Closure (2044-2050): Mean	6.0E-03	5.9E-02	9.0E-06	8.5E+00	4.5E+01	2.8E-01	4.1E-03	3.3E+02	2.1E-02	2.7E-02	1.7E-03	3.3E-03	1.3E-03	1.1E+00	4.2E-05	1.5E-03	1.8E-03	4.5E-03	3.9E-03
Active Closure (2044-2050): Max	7.2E-03	8.2E-02	1.0E-05	2.2E+01	5.7E+01	7.1E-01	5.4E-03	6.4E+02	3.0E-02	1.0E-01	2.1E-03	4.0E-03	1.5E-03	3.6E+00	1.9E-04	3.3E-03	2.2E-03	6.3E-03	6.4E-03
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	1.5E-03	1.6E-02	1.4E-06	1.5E+00	7.3E+00	2.7E-02	6.4E-04	4.1E+01	3.2E-03	4.5E-03	2.7E-04	5.0E-04	2.2E-04	9.9E-02	2.1E-06	1.7E-04	3.0E-04	1.2E-03	4.9E-04
Post Closure (2051-2119): Mean	4.0E-03	1.2E-01	9.8E-06	3.8E+00	2.7E+01	1.4E-01	2.4E-03	1.5E+02	1.2E-02	9.3E-03	1.3E-03	2.0E-03	7.8E-04	3.5E-01	2.3E-06	6.7E-04	1.5E-03	3.1E-03	2.1E-03
Post Closure (2051-2119): Max	5.3E-03	1.5E-01	1.1E-05	4.9E+00	3.7E+01	1.8E-01	3.3E-03	2.1E+02	1.7E-02	1.1E-02	1.7E-03	2.8E-03	1.1E-03	4.7E-01	2.6E-06	9.3E-04	1.9E-03	3.8E-03	2.9E-03
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	5.54308E-07	0.000110862	2.91741E-09	0.000974415	0.002357266	5.98069E-05	8.60636E-08	0.003661348	7.58526E-07	4.08437E-06	2.78904E-07	6.71004E-08	3.79263E-08	9.07314E-05	5.83482E-10	2.91741E-08	6.12656E-07	4.52198E-07	0
2020 Feb	1.09726E-06	0.000219451	5.77503E-09	0.001928861	0.004666226	0.000118388	1.70363E-07	0.007247666	1.50151E-06	8.08505E-06	5.52093E-07	1.32826E-07	7.50754E-08	0.000179604	1.15501E-09	5.77503E-08	1.21276E-06	8.9513E-07	0
2020 Mar	1.38725E-06	0.000277451	7.30134E-09	0.002438647	0.005899481	0.000149677	2.15389E-07	0.009163179	1.89835E-06	1.02219E-05	6.98008E-07	1.67931E-07	9.49174E-08	0.000227072	1.46027E-09	7.30134E-08	1.53328E-06	1.13171E-06	0
2020 Apr	1.54947E-06	0.000309894	8.15509E-09	0.002723801	0.006589315	0.000167179	2.40575E-07	0.010234642	2.12032E-06	1.14171E-05	7.79627E-07	1.87567E-07	1.06016E-07	0.000253623	1.63102E-09	8.15509E-08	1.71257E-06	1.26404E-06	0
2020 May	1.23201E-05	0.00230544	9.41694E-08	0.020878559	0.046471328	0.00111674	1.94219E-06	0.075149283	1.76261E-05	0.000110406	9.0026E-06	2.1659E-06	1.2242E-06	0.001803544	1.88339E-08	7.27385E-07	1.29177E-05	1.69537E-05	0
2020 Jun	0.000203517	0.032232981	2.6375E-06	0.316156328	0.549197793	0.010606495	3.3165E-05	1.011611581	0.000319463	0.002547856	8.61365E-05	6.06626E-05	1.73459E-05	0.021932282	5.27501E-07	1.49285E-05	0.000187588	0.000534725	0
2020 Jul	0.000264239	0.03951123	3.62802E-06	0.393583536	0.640821338	0.011195255	4.48243E-05	1.23955977	0.000410128	0.003418711	8.9422E-05	7.9096E-05	2.08942E-05	0.025815245	7.25605E-07	1.9675E-05	0.00022003	0.000721212	0
2020 Aug	0.000285109	0.041353576	3.87062E-06	0.416721553	0.671675026	0.011247077	5.38145E-05	1.327133536	0.000431797	0.003626627	8.94722E-05	7.85939E-05	2.19502E-05	0.027166596	7.74124E-07	2.10039E-05	0.000217261	0.000741334	0
2020 Sep	0.000350132	0.045626637	4.45854E-06	0.485027045	0.774800956	0.010833183	0.000107014	1.61421454	0.000484811	0.004329477	7.98766E-05	7.06184E-05	2.38387E-05	0.031573217	8.91708E-07	2.70826E-05	0.000207227	0.000765791	0
2020 Oct	0.000429822	0.051311623	5.1234E-06	0.563011765	0.901376069	0.010462243	0.000168946	1.947485685	0.000545378	0.005215311	7.02891E-05	6.25721E-05	2.55857E-05	0.036762688	1.02468E-06	3.46459E-05	0.000202182	0.000797755	0
2020 Nov	0.000451469	0.052868109	5.30492E-06	0.584279954	0.935888708	0.010368828	0.000185672	2.038106203	0.00056196	0.005456203	6.77567E-05	6.04488E-05	2.60698E-05	0.038177561	1.06098E-06	3.66968E-05	0.000200947	0.000806807	0
2020 Dec	0.000452068	0.052912246	5.31002E-06	0.584875941	0.936855197	0.01036688	0.000186127	2.040621996	0.00056243	0.005462893	6.76928E-05	6.03955E-05	2.60841E-05	0.038217176	1.062E-06	3.67533E-05	0.000200924	0.000807089	0
2021 Jan	0.000452359	0.052961431	5.31157E-06	0.585330904	0.937925339	0.010390951	0.000186221	2.042394876	0.000562774	0.005465195	6.77938E-05	6.04087E-05	2.60999E-05	0.038258545	1.06231E-06	3.67714E-05	0.00020116	0.000807246	0
2021 Feb	0.000452654	0.053022474	5.31296E-06	0.585860848	0.939233661	0.010424878	0.00018626	2.044394732	0.00056318	0.005467252	6.79509E-05	6.04441E-05	2.61203E-05	0.038308788	1.06259E-06	3.67862E-05	0.000201503	0.000807462	0
2021 Mar	0.000452939	0.053070359	5.31518E-06	0.586311102	0.940205693	0.010446259	0.000186333	2.046048164	0.000563557	0.005469876	6.80554E-05	6.048E-05	2.61387E-05	0.038346726	1.06304E-06	3.68044E-05	0.000201745	0.000807802	0
2021 Apr	0.000453309	0.05312188	5.31888E-06	0.586835384	0.941188991	0.010463215	0.000186459	2.047924519	0.000564029	0.005473869	6.8146E-05	6.05281E-05	2.61611E-05	0.038385861	1.06378E-06	3.68316E-05	0.000201975	0.000808365	0
2021 May	0.000461429	0.054450221	5.39342E-06	0.599511385	0.967049479	0.011010722	0.000188398	2.092962742	0.000575214	0.005555967	7.2757E-05	6.18896E-05	2.68846E-05	0.039401196	1.07868E-06	3.73736E-05	0.000208884	0.000821037	0
2021 Jun	0.000519326	0.0672694	6.55232E-06	0.7143085	1.147353411	0.015712708	0.000167663	2.381365299	0.000712725	0.006508052	0.000113514	0.000105248	3.42752E-05	0.0465919	1.31046E-06	4.13485E-05	0.000314425	0.00113739	0
2021 Jul	0.000544926	0.070447147	7.07606E-06	0.744255602	1.168167114	0.015611982	0.000164105	2.4526577	0.000755482	0.0069047	0.000113346	0.000116571	3.57812E-05	0.047553286	1.41521E-06	4.29171E-05	0.000327075	0.001242188	0
2021 Aug	0.000563956	0.071684673	7.2825E-06	0.762323856	1.188268423	0.015380303	0.000172797	2.529036999	0.000771246	0.007052239	0.000111504	0.000113158	3.66364E-05	0.048519161	1.4565E-06	4.38208E-05	0.00031505	0.001243806	0
2021 Sep	0.0005964	0.072159044	7.45917E-06	0.789812505	1.22988224	0.014370058	0.000214416	2.678077698	0.000782895	0.007344767	9.80412E-05	9.97108E-05	3.67394E-05	0.050412331	1.49183E-06	4.72848E-05	0.000290425	0.001201867	0
2021 Oct	0.000629528	0.073681995	7.64389E-06	0.816230476	1.276840806	0.013784588	0.000248168	2.813774586	0.000797503	0.007686037	8.96303E-05	9.12219E-05	3.67571E-05	0.052317765	1.52878E-06	5.07316E-05	0.000279075	0.001182827	0
2021 Nov	0.000632533	0.073934048	7.67117E-06	0.819426417	1.282078505	0.013794936	0.000250228	2.826678991	0.000800152	0.007720043	8.95028E-05	9.10952E-05	3.68515E-05	0.052531585	1.53423E-06	5.10066E-05	0.000279306	0.001185034	0
2021 Dec	0.000632994	0.073979013	7.67594E-06	0.81996119	1.282936573	0.013800008	0.000250489	2.828693628	0.000800632	0.007725433	8.95182E-05	9.1111E-05	3.68711E-05	0.052566674	1.53519E-06	5.10467E-05	0.00027941	0.001185589	0
2022 Jan	0.000633181	0.074011438	7.6768E-06	0.820257723	1.283654094	0.013816509	0.00025055	2.829863071	0.00080085	0.007726839	8.9587E-05	9.11171E-05	3.68811E-05	0.052594319	1.53536E-06	5.10582E-05	0.000279568	0.001185661	0
2022 Feb	0.000633343	0.074048899	7.67724E-06	0.820570707	1.284478068	0.013839202	0.000250561	2.831063271	0.000801078	0.007727743	8.96904E-05	9.11353E-05	3.68929E-05	0.052625731	1.53545E-06	5.10651E-05	0.000279787	0.001185729	0
2022 Mar	0.000633598	0.074088819	7.6795E-06	0.820957541	1.285265803	0.013855222	0.000250632	2.832463264	0.000801413	0.00773027	8.97704E-05	9.11693E-05	3.6909E-05	0.052656721	1.5359E-06	5.10822E-05	0.000279981	0.001186079	0
2022 Apr	0.000637418	0.074541211	7.72532E-06	0.825938404	1.293167949	0.013944719	0.000252127	2.849685907	0.000806252	0.007776534	9.03367E-05	9.17173E-05	3.71322E-05	0.052979738	1.54506E-06	5.13882E-05	0.000281714	0.001193155	0
2022 May	0.00064394	0.075306512	7.80417E-06	0.834404171	1.306467414	0.014090028	0.000254699	2.878909111	0.000814506	0.007855965	9.12754E-05	9.26556E-05	3.75128E-05	0.053524286	1.56083E-06	5.19132E-05	0.000284618	0.001205336	0
2022 Jun	0.000620093	0.075374968	8.12255E-06	0.824774742	1.24756074	0.014018685	0.000214693	2.733907938	0.000838014	0.007939061	9.20074E-05	0.00012121	3.79154E-05	0.05123705	1.62451E-06	5.03533E-05	0.000326357	0.001378189	0
2022 Jul	0.000605234	0.075627595	8.45612E-06	0.806574404	1.169816971	0.013294545	0.000167995	2.583855629	0.000853434	0.00795988	9.19321E-05	0.000142271	3.80218E-05	0.048176724	1.69122E-06	4.76929E-05	0.000340461	0.001507544	0
2022 Aug	0.000627395	0.077232666	8.66912E-06	0.82924366	1.200818658	0.013259361	0.000179042	2.681301355	0.000871661	0.00812107	9.16361E-05	0.000137898	3.9137E-05	0.049583212	1.73382E-06	4.87857E-05	0.000328491	0.00150463	0
2022 Sep	0.000647413	0.077073589	8.68805E-06	0.84721905	1.23581636	0.012719831	0.000212486	2.794213772	0.00087302	0.008244214	8.30825E-05	0.000124386	3.92078E-05	0.051162798	1.73761E-06	5.10469E-05	0.0003066	0.00144528	0
2022 Oct	0.00066731	0.077522002	8.69063E-06	0.859932542	1.26818037	0.012309862	0.000239747	2.883078337	0.000872888	0.008408498	7.69398E-05	0.00011451	3.88067E-05	0.052426368	1.73813E-06	5.33353E-05	0.000294144	0.001400755	0
2022 Nov	0.000669576	0.077735424	8.71328E-06	0.862507403	1.272342324	0.012330862	0.0002411	2.892949581	0.000875153	0.008434745	7.69751E-05	0.000114543	3.88967E-05	0.052596428	1.74266E-06	5.35352E-05	0.000294574	0.001403202	0
2022 Dec	0.000670007	0.07777638	8.71763E-06	0.862999558	1.273134947	0.012335004	0.000241354	2.894826651	0.000875588	0.008439754	7.69834E-05	0.000114552	3.89142E-05	0.05262883	1.74353E-06	5.35731E-05	0.00029466	0.001403684	0
2023 Jan	0.000670185	0.077808402	8.71818E-06	0.863288045	1.273869514	0.012352441	0.000241415	2.895993233	0.000875788	0.008440945	7.70569E-05	0.000114551	3.89237E-05	0.052656982	1.74364E-06	5.35837E-05	0.000294818	0.001403692	0
2023 Feb	0.00067035	0.077847257	8.71852E-06	0.863611221	1.274734974	0.012376449	0.000241427	2.897243261	0.000876018	0.008441804	7.71669E-05	0.000114568	3.89357E-05	0.052689925	1.7437E-06	5.35905E-05	0.000295047	0.001403739	0
2023 Mar	0.000670486	0.077873699	8.71929E-06	0.863845706	1.275292993	0.012390376	0.00024145	2.898120165	0.000876203	0.008442842	7.72321E-05	0.000114585	3.89449E-05	0.052711438	1.74386E-06	5.35979E-05	0.000295191	0.001403859	0
2023 Apr	0.000671992	0.078054793	8.73832E-06	0.865820885	1.278329611	0.012424733	0.000241977	2.904798269	0.000878176	0.008461433	7.74339E-05	0.000114839	3.90332E-05	0.052836075	1.74766E-06	5.37163E-05	0.000295903	0.001406921	0
2023 May	0.000689291	0.082136072	8.81307E-06	0.900015175	1.365187287	0.014832408	0.000242143	3.030634403	0.000904777	0.008577447	9.89105E-05	0.000118187	4.14147E-05	0.05615212	1.76261E-06	5.45008E-05	0.000321514	0.001424111	0
2023 Jun	0.000742982	0.102523744	9.00252E-06	1.054345727	1.783824682	0.028555555	0.000207456	3.544166803	0.001033326	0.008901369	0.000223389	0.000150467	5.38296E-05	0.071894929	1.8005E-06	5.56677E-05	0.000487708	0.00156451	0
2023 Jul	0.000725783	0.099209473	9.15439E-06	1.020991564	1.676514983	0.025900785	0.000191756	3.382784128	0.001021796	0.008894138	0.00020151	0.00015747	5.17599E-05	0.067794591	1.83088E-06	5.45081E-05	0.00047242	0.001618567	0
2023 Aug	0.000738746	0.099564485	9.28785E-06	1.027707577	1.676681161	0.025292329	0.000197641	3.420134306	0.001027622	0.008978344	0.000196944	0.000153178	5.19361E-05	0.067922644	1.85757E-06	5.49495E-05	0.000456055	0.001609034	0
2023 Sep	0.000744026	0.09812855	9.31801E-06	1.031250596	1.670454144	0.024293527	0.000216003	3.453709364	0.001024422	0.008996388	0.000185561	0.000144774	5.17043E-05	0.067944869	1.8636E-06	5.57945E-05	0.000434197	0.00157572	0
2023 Oct	0.000752357	0.097548991	9.31226E-06	1.031683326	1.670677066	0.023518009	0.000231964	3.479279518	0.001019229	0.009075528	0.000177179	0.000138472	5.09616E-05	0.067971036	1.86245E-06	5.70049E-05	0.000421585	0.001547853	0
2023 Nov	0.00075646	0.097850807	9.34795E-06	1.035785437	1.677253723	0.023502605	0.000235087	3.496457338	0.001022502	0.009122061	0.000176711	0.00013814	5.10582E-05	0.06824097	1.86959E-06	5.73961E-05	0.000421487	0.001550053	0
2023 Dec	0.00075687	0.097885802	9.35183E-06	1.036227107	1.677963734	0.023504103	0.000235359	3.498209953	0.001022877	0.009126768	0.000176694	0.00013813	5.10717E-05	0.068270043	1.87037E-06	5.74334E-05	0.000421528	0.001550404	0
2024 Jan	0.000757041	0.097916692	9.35205E-06	1.0365026	1.678704739	0.023521794	0.000235429	3.499370813	0.001023051	0.009127762	0.000176753	0.000138119	5.10786E-05	0.068298288	1.87041E-06	5.74436E-05	0.000421675	0.001550328	0
2024 Feb	0.000757218	0.09796007	9.35219E-06	1.036857843	1.679686546	0.023549527	0.000235439	3.500763893	0.001023295	0.009128544	0.000176872	0.000138134	5.10909E-05	0.068335533	1.87044E-06	5.74504E-05	0.000421933	0.001550335	0
2024 Mar	0.000758043	0.098077878	9.36127E-06	1.038048387	1.681835771	0.023587231	0.000235671	3.504888773	0.001024413	0.009137754	0.000177107	0.000138275	5.11467E-05	0.068421505	1.87225E-06	5.75093E-05	0.000422479	0.001551831	0
2024 Apr	0.000759556	0.098279834	9.37934E-06	1.040154576	1.685370684	0.023641018	0.000236128	3.512058735	0.00102646	0.009155586	0.000177484	0.000138545	5.12489E-05	0.068564504	1.87587E-06	5.76221E-05	0.00042337	0.001554822	0
2024 May	0.000796789	0.107638098	9.48527E-06	1.116833806	1.888495445	0.029432323	0.000235265	3.798141956	0.001083982	0.009372164	0.000229387	0.000145465	5.67318E-05	0.076280966	1.89705E-06	5.9156E-05	0.000483387	0.001583264	0
2024 Jun	0.000866459	0.131405577	9.41894E-06	1.297269464	2.412115574	0.045984913	0.000211192	4.460866928	0.001214935	0.009608785	0.000379573	0.000167513	7.10152E-05	0.095920175	1.88379E-06	6.06929E-05	0.000658622	0.001639452	0
2024 Jul	0.000873082	0.131639749	9.61838E-06	1.301258206	2.399026155	0.045281723	0.000211099	4.460093021	0.001225861	0.009754866	0.000373309	0.000171227	7.0972E-05	0.095490344	1.92368E-06	6.12887E-05	0.00065745	0.00167862	0
2024 Aug	0.000869882	0.129287273	9.63711E-06	1.290184736	2.358002901	0.04372184	0.000218754	4.429121971	0.001215181	0.00970786	0.000358703	0.0001651	7.00893E-05	0.094108753	1.92742E-06	6.11638E-05	0.000631826	0.001654431	0
2024 Sep	0.000862181	0.123636231	9.5518E-06	1.258586407	2.268746376	0.040062606	0.000244929	4.349612713	0.001180566	0.009643432	0.000323088	0.000149804	6.69848E-05	0.090906411	1.91036E-06	6.18554E-05	0.000579654	0.001583854	0
2024 Oct	0.000865936	0.121866435	9.54682E-06	1.248900652	2.240846157	0.038480494	0.000260493	4.335618019	0.001168595	0.009705975	0.000307557	0.000143141	6.55E-05	0.089859426	1.90936E-06	6.28936E-05	0.000559628	0.001556408	0
2024 Nov	0.00086944	0.121199317	9.56204E-06	1.24633038	2.230922937	0.037753265	0.000268834	4.336605549	0.001164722	0.009755573	0.000300287	0.000140043	6.48721E-05	0.08949776	1.91241E-06	6.35344E-05	0.000550558	0.001545444	0
2024 Dec	0.000869931	0.12123815	9.56684E-06	1.246839523	2.231698036	0.037752062	0.000269172	4.338631153	0.001165161	0.009761344	0.00030024	0.000140028	6.4886E-05	0.089529783	1.91337E-06	6.35802E-05	0.00055058	0.001545876	0
2025 Jan	0.000870099	0.121267267	9.56711E-06	1.247100115	2.232391834	0.037768144	0.000269244	4.339735031	0.001165326	0.009762376	0.000300269	0.000140017	6.489E-05	0.089556217	1.91342E-06	6.35905E-05	0.000550712	0.001545805	0
2025 Feb	0.000870358	0.121323444	9.56807E-06	1.247578859	2.233614922	0.037800722	0.000269273	4.341562748	0.001165682	0.00976401	0.000300411	0.000140045	6.49073E-05	0.089602999	1.91361E-06	6.36027E-05	0.000551033	0.001545948	0
2025 Mar	0.000870612	0.121369742	9.56982E-06	1.248001099	2.234570026	0.037823368	0.000269324	4.343120098	0.001166028	0.009766162	0.000300527	0.000140079	6.49251E-05	0.089640066	1.91396E-06	6.36175E-05	0.000551278	0.001546225	0
2025 Apr	0.000871452	0.121492989	9.57846E-06	1.249237657	2.236897707	0.037866451	0.000269567	4.347473621	0.001167155	0.009775183	0.000300833	0.00014021	6.49871E-05	0.089732736	1.91569E-06	6.36768E-05	0.000551858	0.001547617	0

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.000884627	0.123332545	9.72304E-06	1.268139482	2.270791054	0.038441796	0.000273635	4.413272381	0.001184803	0.009922812	0.000305393	0.000142329	6.59698E-05	0.09109205	1.94461E-06	6.46386E-05	0.000560224	0.001570978	0
2025 Jun	0.000811895	0.113051243	9.66471E-06	1.166681409	2.003541231	0.032904372	0.000232508	3.94524765	0.001130136	0.009600947	0.000257734	0.000159673	6.01666E-05	0.080712147	1.93294E-06	6.06644E-05	0.000540289	0.001666949	0
2025 Jul	0.000746608	0.102688454	9.59538E-06	1.061532974	1.729656219	0.026863458	0.000193718	3.488197327	0.001068916	0.009256142	0.000207679	0.000170176	5.40469E-05	0.070067272	1.91908E-06	5.64569E-05	0.000500906	0.001724859	0
2025 Aug	0.000759276	0.103028178	9.72115E-06	1.068419456	1.730970502	0.026291043	0.000200003	3.526551962	0.001074511	0.009336936	0.000203303	0.000165795	5.42329E-05	0.070239887	1.94423E-06	5.69152E-05	0.000484986	0.001714297	0
2025 Sep	0.00076413	0.101690628	9.70349E-06	1.067458034	1.723133445	0.025313081	0.000217016	3.547808409	0.001066948	0.00935415	0.000192716	0.000157474	5.3605E-05	0.070077397	1.9407E-06	5.77643E-05	0.000465173	0.001676105	0
2025 Oct	0.000770684	0.09967196	9.58977E-06	1.05723989	1.706325769	0.023746194	0.000241955	3.55629921	0.00104682	0.009386973	0.000176703	0.000144732	5.18094E-05	0.069423191	1.91795E-06	5.91911E-05	0.000438096	0.001608804	0
2025 Nov	0.000774859	0.099100135	9.56598E-06	1.055516243	1.703420877	0.023188783	0.000252139	3.567124367	0.001041231	0.009419582	0.000170867	0.000140097	5.12228E-05	0.069316499	1.9132E-06	5.98698E-05	0.000428522	0.001586109	0
2025 Dec	0.000775274	0.099135675	9.56991E-06	1.055964112	1.704141974	0.023190359	0.000252415	3.568902969	0.001041611	0.009424344	0.000170851	0.000140086	5.12365E-05	0.069346026	1.91398E-06	5.99076E-05	0.000428563	0.001586462	0
2026 Jan	0.000775472	0.099170081	9.5705E-06	1.056276441	1.70493722	0.02320881	0.00025249	3.570182085	0.001041823	0.009425664	0.000170918	0.000140081	5.12456E-05	0.069376513	1.9141E-06	5.99197E-05	0.000428724	0.001586451	0
2026 Feb	0.000775658	0.099214114	9.57082E-06	1.056641221	1.705922008	0.023236204	0.000252503	3.571600676	0.001042081	0.009426594	0.000171038	0.000140098	5.12585E-05	0.069413967	1.91416E-06	5.99272E-05	0.000428982	0.001586488	0
2026 Mar	0.000776213	0.099296056	9.57659E-06	1.057457209	1.707455039	0.02326471	0.000252658	3.57446003	0.00104283	0.009432605	0.000171204	0.00014019	5.12956E-05	0.069474921	1.91532E-06	5.99663E-05	0.000429373	0.001587435	0
2026 Apr	0.000778359	0.099576816	9.60244E-06	1.060414791	1.712353706	0.0233358	0.000253341	3.584515095	0.001045715	0.009458262	0.000171701	0.000140572	5.14376E-05	0.069673426	1.92049E-06	6.01299E-05	0.000430608	0.001591716	0
2026 May	0.000790775	0.101723701	9.71328E-06	1.080478072	1.75430131	0.024274554	0.000255751	3.655536175	0.001063334	0.009580326	0.000179736	0.000142846	5.26265E-05	0.071314394	1.94266E-06	6.09208E-05	0.000442222	0.001611389	0
2026 Jun	0.00078831	0.111160174	9.57654E-06	1.136291027	1.939781189	0.032203134	0.000210569	3.801834822	0.001114213	0.009465852	0.000253715	0.000167945	5.87593E-05	0.078047737	1.91531E-06	5.89309E-05	0.000547427	0.001699595	0
2026 Jul	0.000778407	0.109016731	9.66082E-06	1.115329504	1.873386979	0.030488221	0.000202474	3.7048738	0.001105763	0.009459004	0.000239491	0.000171129	5.7405E-05	0.07551387	1.93216E-06	5.82734E-05	0.000535625	0.001726575	0
2026 Aug	0.000787839	0.108184785	9.74226E-06	1.109236598	1.845793128	0.029109843	0.000207087	3.705330849	0.001099758	0.009471703	0.000229313	0.000163119	5.67946E-05	0.074555062	1.94845E-06	5.81435E-05	0.000504574	0.001693349	0
2026 Sep	0.000795461	0.107925795	9.79283E-06	1.114375234	1.849497437	0.028589647	0.000219035	3.736947298	0.001101209	0.009546075	0.000223307	0.000159093	5.66413E-05	0.074796833	1.95857E-06	5.90652E-05	0.000495156	0.001681214	0
2026 Oct	0.000795397	0.104904145	9.62856E-06	1.095088243	1.813345194	0.026638348	0.000242176	3.711177826	0.001073433	0.009516867	0.000203941	0.000145779	5.43581E-05	0.073394269	1.92571E-06	6.00686E-05	0.000463787	0.001607296	0
2026 Nov	0.000798105	0.105203889	9.65822E-06	1.098450422	1.818832397	0.026691938	0.000243441	3.723325014	0.001076559	0.009548719	0.000204267	0.000146022	5.44997E-05	0.073617503	1.93164E-06	6.02922E-05	0.000464769	0.001611363	0
2026 Dec	0.000798481	0.105239801	9.66204E-06	1.098881245	1.819526553	0.026695656	0.000243661	3.724965811	0.001076941	0.009553095	0.000204275	0.00014603	5.45151E-05	0.073645882	1.93241E-06	6.03253E-05	0.000464846	0.001611787	0
2027 Jan	0.000798628	0.105264716	9.66254E-06	1.099110961	1.820100904	0.026708689	0.000243719	3.725902081	0.0010771	0.009554123	0.00020432	0.000146027	5.45216E-05	0.073667958	1.93251E-06	6.03345E-05	0.000464961	0.00161179	0
2027 Feb	0.000798762	0.105296113	9.66277E-06	1.099371791	1.820804954	0.026728235	0.000243729	3.726917505	0.001077284	0.009554788	0.000204404	0.000146039	5.45307E-05	0.073694743	1.93255E-06	6.03399E-05	0.000465145	0.001611816	0
2027 Mar	0.000799321	0.105377331	9.66877E-06	1.100183249	1.822296977	0.026755167	0.000243883	3.729739666	0.00107804	0.009560965	0.000204574	0.000146135	5.45689E-05	0.073754199	1.93375E-06	6.03796E-05	0.000465528	0.001612811	0
2027 Apr	0.000800982	0.105600603	9.68843E-06	1.102493525	1.826208115	0.026815457	0.000244381	3.737612247	0.001080281	0.009580542	0.000205015	0.000146434	5.46823E-05	0.073911965	1.93769E-06	6.05036E-05	0.000466528	0.001616086	0
2027 May	0.000804118	0.106393576	9.6972E-06	1.109005928	1.843461275	0.027308747	0.000244292	3.761906862	0.001085158	0.009598395	0.000209429	0.000147015	5.51496E-05	0.074567921	1.93944E-06	6.063E-05	0.000471608	0.001618437	0
2027 Jun	0.000713783	0.096703298	9.47589E-06	1.005932212	1.593247175	0.023498826	0.000185845	3.263653517	0.001030176	0.009096584	0.0001776	0.000171722	5.02736E-05	0.064735077	1.89518E-06	5.51508E-05	0.000478134	0.001731532	0
2027 Jul	0.000699592	0.094685942	9.64617E-06	0.985635221	1.518664956	0.02182183	0.000171067	3.143212795	0.001029272	0.009135406	0.000163349	0.000181784	4.90873E-05	0.061897125	1.92923E-06	5.44373E-05	0.000478148	0.001802026	0
2027 Aug	0.00070859	0.09475863	9.72899E-06	0.994612575	1.526896715	0.021510951	0.000179992	3.187679529	0.001034527	0.009182932	0.00015996	0.000177332	4.94778E-05	0.062387627	1.9458E-06	5.4948E-05	0.000465909	0.001788647	0
2027 Sep	0.000718198	0.093053155	9.66191E-06	0.995741487	1.527096033	0.020316623	0.000207891	3.238947868	0.001022106	0.009191458	0.000146584	0.000162563	4.86981E-05	0.062591314	1.93238E-06	5.62717E-05	0.000434889	0.001715084	0
2027 Oct	0.000729617	0.092391618	9.6082E-06	0.996417344	1.533568263	0.019483488	0.000229685	3.280777693	0.001012808	0.0092645	0.000137478	0.000152397	4.77775E-05	0.062844314	1.92164E-06	5.77557E-05	0.000416658	0.001663685	0
2027 Nov	0.000735316	0.092570566	9.6307E-06	1.000359058	1.541033745	0.019342581	0.000236167	3.303956032	0.001014243	0.009318342	0.000135652	0.000150355	4.77211E-05	0.06314709	1.92614E-06	5.83563E-05	0.000413538	0.001656738	0
2027 Dec	0.000735809	0.092603609	9.63434E-06	1.000824094	1.541825175	0.019339884	0.000236575	3.306038857	0.001014577	0.009323596	0.000135588	0.000150283	4.77301E-05	0.063179351	1.92687E-06	5.84034E-05	0.000413475	0.001656783	0
2028 Jan	0.000736022	0.092642628	9.63449E-06	1.001167655	1.542765617	0.019362699	0.000236659	3.307503223	0.001014788	0.009324711	0.000135673	0.000150266	4.77395E-05	0.063215159	1.9269E-06	5.84153E-05	0.000413655	0.001656651	0
2028 Feb	0.000736301	0.092703752	9.6354E-06	1.00168705	1.544106245	0.019398605	0.00023669	3.30949831	0.00101517	0.009326397	0.000135837	0.000150294	4.77589E-05	0.063266389	1.92708E-06	5.84281E-05	0.000414002	0.001656778	0
2028 Mar	0.000736549	0.092749014	9.63717E-06	1.002099872	1.545034528	0.019420579	0.000236739	3.311012745	0.00101551	0.009328535	0.000135943	0.000150328	4.77757E-05	0.063302428	1.92743E-06	5.84427E-05	0.000414244	0.001657064	0
2028 Apr	0.000738619	0.093017474	9.66343E-06	1.004957795	1.549603939	0.01948376	0.000237386	3.320539951	0.001018363	0.009354191	0.000136358	0.000150742	4.79103E-05	0.063488521	1.93269E-06	5.86041E-05	0.000415465	0.001661569	0
2028 May	0.00074747	0.094137229	9.77872E-06	1.017027736	1.568317056	0.019722758	0.000240218	3.360468626	0.001030567	0.009465942	0.000138029	0.000152545	4.84862E-05	0.064254515	1.95574E-06	5.93046E-05	0.000420484	0.001681395	0
2028 Jun	0.000682693	0.088586479	9.61608E-06	0.948351502	1.408437967	0.017983891	0.000188648	3.012933969	0.000997732	0.009091453	0.000125499	0.000174303	4.57356E-05	0.057863876	1.92322E-06	5.48854E-05	0.000438468	0.001777679	0
2028 Jul	0.00067044	0.087644063	9.68811E-06	0.934082687	1.364147902	0.017347746	0.000172881	2.926709175	0.000996794	0.009071012	0.000121177	0.000182452	4.51894E-05	0.056120984	1.93762E-06	5.39177E-05	0.000443934	0.001825459	0
2028 Aug	0.00068026	0.088472098	9.79997E-06	0.945985436	1.38051343	0.017402001	0.000178089	2.972402573	0.001007263	0.009163762	0.00012123	0.000181798	4.57636E-05	0.056851316	1.95999E-06	5.45637E-05	0.000442147	0.001832867	0
2028 Sep	0.000688794	0.087823763	9.72269E-06	0.946836114	1.388953328	0.016840043	0.000196609	3.012417078	0.000997885	0.00918376	0.000114847	0.000171826	4.51441E-05	0.057206865	1.94454E-06	5.55924E-05	0.000424755	0.001778935	0
2028 Oct	0.000713278	0.086482152	9.51788E-06	0.948517382	1.413904786	0.015402226	0.000245135	3.116766453	0.000973215	0.009274807	9.87001E-05	0.0001465	4.33023E-05	0.058156934	1.90358E-06	5.85515E-05	0.000382586	0.001641097	0
2028 Nov	0.000721716	0.08685258	9.54999E-06	0.955062389	1.427059293	0.015286691	0.000254107	3.15323472	0.000975934	0.009350101	9.691E-05	0.000143638	4.33107E-05	0.058686461	1.91E-06	5.93878E-05	0.00037874	0.001631113	0
2028 Dec	0.000722113	0.086888872	9.55383E-06	0.955505788	1.427782178	0.015289839	0.000254354	3.154964685	0.000976316	0.009354642	9.6911E-05	0.000143636	4.33256E-05	0.058715988	1.91077E-06	5.9423E-05	0.0003788	0.001631491	0
2029 Jan	0.000722269	0.086918235	9.55394E-06	0.955762863	1.42848444	0.015307207	0.00025441	3.156050682	0.000976476	0.009355426	9.69816E-05	0.000143625	4.33335E-05	0.058742747	1.91079E-06	5.94312E-05	0.000378937	0.001631401	0
2029 Feb	0.000722422	0.086956508	9.554E-06	0.956074297	1.429353118	0.015331982	0.000254415	3.157277346	0.000976688	0.009356033	9.70938E-05	0.000143636	4.33448E-05	0.058775689	1.9108E-06	5.94365E-05	0.000379162	0.001631391	0
2029 Mar	0.000722643	0.086993843	9.55584E-06	0.956425071	1.430097461	0.015348398	0.000254466	3.158544302	0.000976989	0.009358135	9.71734E-05	0.000143669	4.33592E-05	0.058804788	1.91117E-06	5.94507E-05	0.000379357	0.001631694	0
2029 Apr	0.0007235	0.087103181	9.56656E-06	0.957593083	1.431969285	0.015373287	0.000254753	3.162463188	0.000978149	0.009368805	9.73171E-05	0.000143834	4.34112E-05	0.058880892	1.91331E-06	5.95189E-05	0.000379851	0.001633518	0
2029 May	0.000729979	0.088029467	9.6404E-06	0.966984272	1.448680758	0.015661882	0.000256597	3.194518805	0.000987104	0.009444213	9.9601E-05	0.000145087	4.38981E-05	0.059549194	1.92808E-06	6.00016E-05	0.000384414	0.001646333	0
2029 Jun	0.000705251	0.088310204	9.63E-06	0.956143975	1.426359653	0.016778326	0.000222535	3.093095064	0.000992481	0.009301319	0.000111792	0.000161765	4.45649E-05	0.058562752	1.926E-06	5.77046E-05	0.000416947	0.001723666	0
2029 Jul	0.000657722	0.084220685	9.48191E-06	0.89568305	1.289376855	0.015316149	0.000171466	2.81342411	0.000960417	0.008886287	0.000105624	0.00017345	4.25957E-05	0.053088851	1.89638E-06	5.27083E-05	0.000411086	0.001762284	0
2029 Aug	0.000680903	0.08579307	9.67339E-06	0.915543556	1.317096829	0.015178321	0.000181733	2.907609701	0.0009753	0.00902753	0.000105284	0.000167323	4.35481E-05	0.05433584	1.93468E-06	5.36084E-05	0.000394285	0.001747279	0
2029 Sep	0.000696183	0.085987948	9.70961E-06	0.928787231	1.342224717	0.014860019	0.000202752	2.986913681	0.000978158	0.00912576	0.000100408	0.00015872	4.36875E-05	0.055447426	1.94192E-06	5.51057E-05	0.000379898	0.001711046	0
2029 Oct	0.000710642	0.085844226	9.6548E-06	0.935193419	1.363775373	0.014374617	0.00022675	3.053454876	0.000972014	0.009211637	9.41067E-05	0.000147943	4.31198E-05	0.056292865	1.93096E-06	5.67976E-05	0.000363941	0.001655952	0
2029 Nov	0.000716307	0.086046338	9.66676E-06	0.939391434	1.373140216	0.014290899	0.00023358	3.078851223	0.00097309	0.009259949	9.27448E-05	0.000145616	4.30853E-05	0.056665774	1.93335E-06	5.73986E-05	0.000361001	0.001646507	0
2029 Dec	0.000716634	0.086073771	9.66957E-06	0.939740241	1.373730183	0.014292546	0.00023381	3.080283165	0.00097337	0.009263558	9.27352E-05	0.000145597	4.30957E-05	0.05668978	1.93391E-06	5.74285E-05	0.000361023	0.001646702	0
2030 Jan	0.001250149	0.231482774	1.00001E-05	2.109045744	4.626703262	0.110150144	0.000197739	7.5848279	0.001801527	0.011514599	0.000955924	0.000230019	0.000130018	0.180231661	2.02948E-06	7.53356E-05	0.001299914	0.001825326	4.52231E-07
2030 Feb	0.001250513	0.231486127	1.00014E-05	2.112954855	4.629712105	0.110271387	0.000198115	7.664498329	0.001803951	0.011536929	0.000955941	0.000230078	0.00013006	0.180944487	2.07194E-06	7.5829E-05	0.00129996	0.001826032	1.10396E-06
2030 Mar	0.001251139	0.231568068	1.00056E-05	2.11573267	4.632896423	0.110372894	0.000198397	7.708891392	0.001805858	0.011552611	0.000956282	0.000230191	0.000130127	0.18137981	2.09476E-06	7.61164E-05	0.001300441	0.001827039	1.44775E-06
2030 Apr	0.001253339	0.231956407	1.00227E-05	2.12039113	4.641514778	0.110592067	0.000198854	7.74464035	0.001809587	0.011578331	0.000957887	0.000230595	0.000130357	0.181886807	2.11028E-06	7.63882E-05	0.001302637	0.001830303	1.63936E-06
2030 May	0.001270468	0.234883666	1.01509E-05	2.151910782	4.705855846	0.112134188	0.000202484	7.965336323	0.001838682	0.011746851	0.000970261	0.000234154	0.000132249	0.184977755	2.17864E-06	7.80497E-05	0.00131947	0.001854584	2.92035E-06
2030 Jun	0.001708554	0.153958797	1.03475E-05	8.34573555	8.932786942	0.275417536	0.001675419	152.91185	0.006554757	0.047326561	0.000629127	0.00045086	0.000186419	1.354187727	6.99638E-05	0.001089101	0.001294304	0.002884796	0.001396877
2030 Jul	0.002175204	0.107808955	1.16973E-05	10.30176735	11.29232407	0.320274025	0.002474583	216.0885315	0.00952419	0.056828875	0.000464873	0.000779612	0.000283825	1.704161882	8.8439E-05	0.00147521	0.0013419	0.00336531	0.002277405
2030 Aug	0.002579257	0.101308309	1.2359E-05	10.90123177	12.70751762	0.336552978	0.0028533	241.08992	0.011270292	0.058325652	0.000520207	0.001023844	0.000368692	1.787246346	9.10324E-05	0.001603632	0.001463264	0.003570213	0.002663791
2030 Sep	0.002742446	0.099227026	1.27212E-05	11.10494137	13.29104042	0.342253536	0.002998049	250.5466003	0.01195549	0.058677718	0.000540937	0.001123269	0.000403678	1.813156605	9.16192E-05	0.001648803	0.001514812	0.00364802	0.002826279
2030 Oct	0.002939553	0.092874758	1.28119E-05	11.61071587	14.09999943	0.356539339	0.003219875	267.470459	0.012931607	0.060582243	0.000561763	0.001242086	0.000445272	1.895843148	9.53837E-05	0.001744039	0.001569473	0.003751985	0.003049121
2030 Nov	0.00297511	0.091031365	1.27131E-05	11.89473057	14.32299995	0.36495316	0.003275132	273.9721985	0.013180815	0.062085934	0.000566221	0.001257529	0.000451322	1.947738886	9.83309E-05	0.001786163	0.001575547	0.003793604	0.003100113
2030 Dec	0.002976096	0.091027766	1.2715E-05	11.90192699	14.32920456	0.365166485	0.00327683	274.1282349	0.013186786	0.06212569	0.000566324	0.001257893	0.000451451	1.94901669	9.84008E-05	0.001787257	0.001576032	0.003795139	0.00310152
2031 Jan	0.002976146	0.091017552	1.27147E-05	11.90438461	14.3305521	0.365236908	0.00327736	274.1751404	0.013187941	0.062140569	0.000566266	0.001257856	0.000451433	1.949480176	9.84273E-05	0.001787637	0.001576107	0.003795512	0.003101855
2031 Feb	0.002976163	0.091012314	1.27145E-05	11.90559483	14.33119678	0.365271717	0.003277612	274.1981201	0.013188485	0.062147927	0.000566236	0.001257833	0.000451423	1.949709296	9.84405E-05	0.001787823	0.001576139	0.003795689	0.003102014
2031 Mar	0.002976829	0.091029637	1.27172E-05	11.908885	14.33471203	0.365371525	0.00327846	274.2711792	0.013191689	0.062165659	0.000566344	0.001258097	0.000451517	1.950265169	9.84696E-05	0.001788317	0.001576499	0.003796621	0.003102785
2031 Apr	0.002988544	0.091374435	1.27657E-05	11.954813	14.39105034	0.366781145	0.003291233	275.3456116	0.013243486	0.062403888	0.00056861	0.001263112	0.000453318	1.957772493	9.88474E-05	0.001795235	0.00158262	0.003811292	0.003114859
2031 May	0.0030992	0.091038495	1.28732E-05	12.42185974	15.01724815	0.380999625	0.00341088	288.6133423	0.01379198	0.06471388	0.000591588	0.0013163	0.000473248	2.037499666	0.00010305	0.001866581	0.001620768	0.003922957	0.003227956
2031 Jun	0.003595339	0.079902463	1.33812E-05	13.3433466	17.33474541	0.401803225	0.004469879	329.1990662	0.016169637	0.067931049	0.000640859	0.001642649	0.000562049	2.16857481	0.000104741	0.002160186	0.002005093	0.004291675	0.003786823
2031 Jul	0.003781612	0.08289396	1.47812E-05	12.81567001	17.90804672	0.386453807	0.004544103	328.0387878	0.016611427	0.063804694	0.000646153	0.001775772	0.000607886	2.052164793	9.65763E-05	0.00210684	0.002081999	0.004302384	0.003984248
2031 Aug	0.004414914	0.076657437	1.54406E-05	12.92018604	20.55780983	0.391041338	0.004888541	365.1150208	0.018967321	0.060825933	0.000791863	0.002186989	0.000758373	2.026683569	9.20653E-05	0.002166598	0.002232481	0.004491725	0.004447097
2031 Sep	0.006222738	0.064332247	1.54E-05	13.16605854	28.02105141	0.405234188	0.005708305	471.1899414	0.025573106	0.051997356	0.001342917	0.003348277	0.001190487	1.943130732	7.92658E-05	0.002295773	0.002632399	0.005022458	0.005447386
2031 Oct	0.007396876	0.055345383	1.45791E-05	13.71846199	33.0590477	0.426966488	0.006208587	548.7553711	0.029977031	0.048647866	0.001733994	0.004084514	0.001469238	1.965453148	7.60324E-05	0.002418315	0.002857308	0.005398972	0.006033996
2031 Nov	0.007474835	0.05493103	1.4496E-05	13.84970093	33.42976379	0.431374818	0.006246883	555.4122925	0.030298827	0.049005195	0.001761651	0.004129774	0.001486812	1.984778285	7.69106E-05	0.002437951	0.002872608	0.005439406	0.006076647
2031 Dec	0.007475739	0.054933798	1.44979E-05	13.85648727	33.43608093	0.431585789	0.006247693	555.5668335	0.030304048	0.0490424	0.001761786	0.004130058	0.001486951	1.985996246	7.69817E-05	0.00243883	0.002872759	0.005440712	0.006077876
2032 Jan	0.007475326	0.054930568	1.44976E-05	13.85885715	33.43558502	0.431659222	0.006247399	555.5878296	0.030303301	0.049058985	0.001761624	0.004129694	0.001486841	1.986484766	7.70152E-05	0.002439056	0.002872496	0.00544083	0.006077879
2032 Feb	0.007475033	0.05492866	1.44974E-05	13.85999107	33.43499374	0.431694388	0.006247181	555.5934448	0.030302605	0.049067385	0.00176152	0.004129458	0.001486768	1.986726642	7.70323E-05	0.002439152	0.00287233	0.005440841	0.006077825
2032 Mar	0.007476871	0.054942299	1.45011E-05	13.86430645	33.44360733	0.431828737	0.006248732	555.744873	0.03031032	0.049085036	0.001761934	0.004130434	0.001487125	1.987388134	7.70622E-05	0.002439856	0.002873007	0.005442301	0.00607942

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.007493319	0.05506324	1.45331E-05	13.89531136	33.51739883	0.432794392	0.006262486	556.975647	0.030377146	0.049196132	0.001765799	0.004139498	0.001490392	1.991856575	7.72378E-05	0.002445281	0.002879311	0.005454341	0.006092849
2032 May	0.007589884	0.055619143	1.46812E-05	14.06166267	33.9962616	0.438074738	0.00633803	564.8621216	0.030761916	0.04974632	0.001790249	0.004193487	0.001510137	2.015420675	7.81389E-05	0.002474609	0.002913518	0.005521138	0.006166948
2032 Jun	0.006504643	0.052279018	1.37663E-05	13.73342037	32.20627213	0.431654036	0.005096243	539.2808228	0.026488794	0.053597771	0.001490104	0.00350199	0.00129023	2.055259943	9.02479E-05	0.002248471	0.002292562	0.005085125	0.005441903
2032 Jul	0.005461073	0.047444157	1.59723E-05	11.51489544	28.81384468	0.364009857	0.004001437	459.9844666	0.021926189	0.045529138	0.00104032	0.002921981	0.001089623	1.727967024	7.80085E-05	0.001836569	0.001799666	0.004382614	0.005025471
2032 Aug	0.006375158	0.046794962	1.74975E-05	11.31077576	34.19904327	0.361700863	0.004509412	528.7775879	0.024932003	0.039549105	0.001258346	0.003503017	0.001305942	1.623099685	6.72485E-05	0.001882053	0.002043565	0.004666648	0.005660462
2032 Sep	0.006720508	0.046204362	1.79404E-05	11.48855305	36.41830826	0.368614644	0.004724518	557.9541626	0.026141535	0.03884789	0.001342363	0.003710734	0.001385341	1.631899357	6.61454E-05	0.001931331	0.002131178	0.00480256	0.005909472
2032 Oct	0.006791332	0.0459866	1.80149E-05	11.60719585	36.92769241	0.372614592	0.004770359	565.4769287	0.026411848	0.039215911	0.001358151	0.003749372	0.001400843	1.649667621	6.69293E-05	0.001951109	0.002145667	0.004837607	0.005968669
2032 Nov	0.006870045	0.045774758	1.78767E-05	11.74856758	37.44768524	0.377363771	0.004824009	575.0083008	0.026727485	0.039662417	0.001389146	0.003794312	0.001418177	1.670931458	6.78592E-05	0.001974883	0.002166186	0.004883923	0.006005911
2032 Dec	0.006904266	0.045401819	1.76892E-05	11.85527802	37.72229767	0.380906612	0.004848026	580.9315796	0.026881432	0.040115733	0.001407689	0.003812575	0.001425719	1.689102411	6.88287E-05	0.001990662	0.002172384	0.004906057	0.006014271
2033 Jan	0.006903552	0.045397412	1.76878E-05	11.85973454	37.72024918	0.3810426	0.004847697	580.9591675	0.0268804	0.040146489	0.001407455	0.003811937	0.001425518	1.690008402	6.88891E-05	0.001991122	0.002172017	0.004906305	0.006014206
2033 Feb	0.006904103	0.045401771	1.76896E-05	11.86369324	37.72420883	0.381166041	0.004848176	581.0507813	0.026883466	0.040168211	0.001407515	0.003812111	0.001425602	1.690716028	6.89304E-05	0.001991634	0.002172118	0.0049071	0.006014993
2033 Mar	0.006910596	0.045444865	1.77064E-05	11.87649345	37.7602005	0.381575227	0.004852785	581.6218262	0.026909249	0.040216092	0.00140881	0.003815624	0.001426927	1.692618489	6.90147E-05	0.001993699	0.002174121	0.004911935	0.006020817
2033 Apr	0.006944681	0.045669239	1.77938E-05	11.93601131	37.94674301	0.383486301	0.004876749	584.5046387	0.02704226	0.040420227	0.001415742	0.003834403	0.001433956	1.70114553	6.93663E-05	0.002003643	0.002184822	0.004936289	0.006050609
2033 May	0.006944679	0.044203613	1.71735E-05	13.32975674	39.59512711	0.427664816	0.004924708	627.6002197	0.027398882	0.049024172	0.001425266	0.003775862	0.001424721	1.970555663	8.63678E-05	0.002171564	0.002132043	0.005116327	0.006120929
2033 Jun	0.006578674	0.059008531	1.62764E-05	12.68251705	42.03958511	0.415981442	0.004598606	644.432251	0.025360903	0.047425196	0.001426834	0.003531035	0.001352279	1.882217646	8.33157E-05	0.00204851	0.002034092	0.00493014	0.005719575
2033 Jul	0.006321737	0.072346129	1.90429E-05	10.90831757	39.8067131	0.363244444	0.004305919	581.9901123	0.023754099	0.03806749	0.001276531	0.003415095	0.001302955	1.557435989	6.43572E-05	0.00179415	0.00203966	0.004640202	0.005693994
2033 Aug	0.0066195	0.072013326	1.98758E-05	10.94735622	42.24403763	0.365772337	0.004502617	613.5063477	0.024716141	0.036918458	0.001326361	0.003600523	0.001372543	1.544647217	6.21677E-05	0.001828428	0.00212012	0.004773209	0.005954081
2033 Sep	0.007168711	0.061606888	1.94304E-05	11.06282616	48.47782516	0.370847255	0.004916795	706.3443604	0.026464056	0.035148215	0.001470061	0.003946841	0.001507316	1.538705707	5.95678E-05	0.001913523	0.002203444	0.004977418	0.006261127
2033 Oct	0.007346132	0.052111242	1.68951E-05	12.21331787	52.31544113	0.406939536	0.005114924	792.4707031	0.027331362	0.041466128	0.001600104	0.004018477	0.001546104	1.755919933	7.26582E-05	0.002084123	0.002163178	0.005169149	0.00620471
2033 Nov	0.007313903	0.051405985	1.67053E-05	12.52329063	52.24324799	0.416356146	0.005105727	796.2149658	0.027329614	0.043502554	0.00159312	0.003986729	0.00153633	1.817721605	7.6683E-05	0.002118496	0.002143252	0.005193345	0.006199674
2033 Dec	0.007315455	0.051414941	1.67088E-05	12.53036976	52.25537872	0.416580141	0.005106957	796.4500732	0.027336847	0.043538854	0.001593402	0.003987393	0.001536614	1.818948388	7.67517E-05	0.002119467	0.002143598	0.005195032	0.006201386
2034 Jan	0.007315142	0.051412914	1.67085E-05	12.53249359	52.25349808	0.416643798	0.005106822	796.4490356	0.02733654	0.043553296	0.001593283	0.00398711	0.001536522	1.8193748	7.67798E-05	0.002119687	0.002143447	0.005195166	0.0062014
2034 Feb	0.007315102	0.05141281	1.67086E-05	12.53380299	52.2533989	0.416683733	0.005106837	796.4616699	0.027336838	0.043561496	0.001593248	0.00398703	0.0015365	1.819626093	7.67957E-05	0.002119837	0.002143405	0.005195323	0.006201511
2034 Mar	0.007316958	0.051425949	1.67129E-05	12.53773308	52.26675415	0.41681245	0.005108156	796.6729736	0.027344014	0.043577146	0.001593638	0.00398801	0.001536882	1.820229888	7.6824E-05	0.002120462	0.002143932	0.005196741	0.006203163
2034 Apr	0.007343762	0.051614389	1.67742E-05	12.58409023	52.45827866	0.418352485	0.005126881	799.5966797	0.027444322	0.043739412	0.001599468	0.004002601	0.001542507	1.82697916	7.71105E-05	0.002128281	0.002151777	0.005215836	0.006225931
2034 May	0.007374168	0.051603656	1.68263E-05	13.12025833	52.81426239	0.434964865	0.005164317	810.5924072	0.027713632	0.046884112	0.00160061	0.003999359	0.001544421	1.926670551	8.31783E-05	0.002194312	0.002148631	0.005301715	0.006294169
2034 Jun	0.00674858	0.057556901	1.6698E-05	12.88373184	49.24529266	0.427033633	0.004727994	745.4608765	0.025409209	0.048717245	0.001430753	0.003596185	0.001398983	1.926220655	8.63496E-05	0.002100246	0.001974454	0.005033911	0.005906966
2034 Jul	0.007024141	0.062647007	1.86697E-05	11.23456478	50.62249374	0.377844274	0.004831468	745.1203613	0.025725396	0.037454374	0.001458444	0.003830905	0.001475485	1.590078473	6.40542E-05	0.001925587	0.002113396	0.004974647	0.006098067
2034 Aug	0.007179996	0.063793771	1.96719E-05	11.19802189	51.36052322	0.376976192	0.004925431	752.5134888	0.02622984	0.036506183	0.001461296	0.003927692	0.001510257	1.570349574	6.20378E-05	0.00193348	0.002164623	0.005041968	0.006283212
2034 Sep	0.007934681	0.055738017	1.90589E-05	11.36082745	58.66334534	0.385190427	0.005473034	862.380188	0.028711695	0.03390836	0.001697694	0.004409411	0.001692524	1.556349754	5.7708E-05	0.002042767	0.00234149	0.005360032	0.006666706
2034 Oct	0.008420417	0.048216179	1.74143E-05	12.06833458	64.15035248	0.40932548	0.005857117	959.7797852	0.030487312	0.035927277	0.001899283	0.004699013	0.001806938	1.664862037	6.23255E-05	0.00218932	0.002429329	0.005639384	0.00682931
2034 Nov	0.008448371	0.04796857	1.72995E-05	12.23064804	64.47634125	0.414511681	0.005882134	967.2033691	0.030629165	0.036783434	0.001911886	0.004710771	0.001812339	1.69405067	6.40143E-05	0.002211777	0.002433141	0.005673219	0.006845451
2034 Dec	0.008451205	0.047979966	1.73036E-05	12.23871899	64.49958038	0.414773196	0.005884252	967.6088867	0.030640749	0.036819935	0.001912558	0.0047122	0.001812915	1.695376754	6.40831E-05	0.002212993	0.002433852	0.005675639	0.006847925
2035 Jan	0.00845158	0.047977533	1.73023E-05	12.24095535	64.50476074	0.414845139	0.005884595	967.7194824	0.030642582	0.036831945	0.001912711	0.00471235	0.001812987	1.695781112	6.41066E-05	0.002213303	0.002433896	0.005676119	0.006848177
2035 Feb	0.008451777	0.047978777	1.73028E-05	12.24262428	64.50675964	0.414897501	0.005884778	967.7648315	0.030643722	0.036841322	0.001912735	0.004712401	0.001813016	1.696083784	6.41246E-05	0.002213518	0.002433921	0.005676441	0.006848467
2035 Mar	0.00845336	0.047988009	1.73062E-05	12.24571419	64.51889801	0.414999634	0.005885904	967.9551392	0.030649716	0.036853112	0.001913078	0.004713249	0.001813347	1.696552515	6.4146E-05	0.002214026	0.00243436	0.005677612	0.006849833
2035 Apr	0.008482592	0.048154101	1.73661E-05	12.28851795	64.74205017	0.416448712	0.005906272	971.3076172	0.030755855	0.036983345	0.001919685	0.004729529	0.001819613	1.702505708	6.43732E-05	0.002221735	0.002442769	0.005697307	0.006873569
2035 May	0.008597694	0.048777021	1.75956E-05	12.60032463	65.71550751	0.426600814	0.005991745	987.6403809	0.031214746	0.038382024	0.001944262	0.004787591	0.001843029	1.753326058	6.69823E-05	0.002269203	0.00247201	0.005795091	0.006978928
2035 Jun	0.006667963	0.050842993	1.68363E-05	13.03083992	51.36769867	0.43168363	0.004708819	775.2330933	0.02506873	0.050287526	0.001364133	0.003552861	0.001387691	1.969758868	8.99758E-05	0.002126015	0.001897387	0.005068043	0.005951916
2035 Jul	0.005951647	0.056553986	1.92367E-05	11.24703503	44.03604126	0.372260004	0.004136518	642.9487915	0.022215316	0.042937841	0.001053138	0.003172453	0.001230398	1.673377991	7.49512E-05	0.001832615	0.00176035	0.004606221	0.005664715
2035 Aug	0.00639383	0.054816559	2.02109E-05	11.01786137	49.57836533	0.368391931	0.004448539	716.8109741	0.023395166	0.039694235	0.001136231	0.003456725	0.001340312	1.605190396	6.88438E-05	0.001859423	0.001865991	0.004788727	0.005999441
2035 Sep	0.008136734	0.047702663	1.84772E-05	11.27600861	74.65971375	0.391534835	0.005760472	1102.771851	0.028207947	0.034390464	0.001744301	0.004528464	0.001769317	1.565140963	5.92547E-05	0.00211578	0.002242015	0.005681676	0.006715546
2035 Oct	0.008490357	0.046198301	1.74591E-05	11.74882412	80.56498718	0.409311205	0.00604998	1204.823486	0.029234666	0.036084693	0.001893654	0.004721431	0.001851912	1.639110923	6.25532E-05	0.002220189	0.002296539	0.005923281	0.006803303
2035 Nov	0.008395922	0.044685647	1.67827E-05	12.15096283	80.28027344	0.421573102	0.006006566	1210.320923	0.029060557	0.038949095	0.001888192	0.00464921	0.001828141	1.723938823	6.83269E-05	0.002261253	0.002253115	0.00592814	0.006725972
2035 Dec	0.008398063	0.04468786	1.67829E-05	12.16423416	80.30634308	0.421996415	0.006008476	1210.86084	0.029071137	0.039021239	0.001888738	0.004649994	0.001828525	1.726324677	6.8466E-05	0.00226305	0.002253416	0.005930992	0.00672818
2036 Jan	0.008397504	0.044684611	1.67818E-05	12.16700745	80.30129242	0.422078192	0.006008188	1210.82605	0.029070403	0.039040498	0.001888572	0.004649538	0.001828368	1.726888895	6.85036E-05	0.002263319	0.00225319	0.005931068	0.006728052
2036 Feb	0.008397118	0.044683252	1.67814E-05	12.16850948	80.29734039	0.422121704	0.00600797	1210.787476	0.029069776	0.039051268	0.001888446	0.004649237	0.001828262	1.727198839	6.85247E-05	0.002263453	0.002253048	0.005931065	0.006727962
2036 Mar	0.008397001	0.044683002	1.67813E-05	12.16945648	80.29608154	0.422149867	0.006007918	1210.779785	0.029069752	0.03905753	0.001888398	0.004649125	0.001828225	1.727385521	6.85368E-05	0.002263551	0.002252996	0.005931128	0.006727987
2036 Apr	0.008436866	0.044866975	1.68466E-05	12.22800255	80.65533447	0.424166441	0.006036307	1216.293945	0.02921064	0.039242197	0.001898053	0.004671333	0.001836898	1.735695601	6.88656E-05	0.002274341	0.002263855	0.005958752	0.006758559
2036 May	0.008589355	0.045609809	1.7117E-05	12.46781921	82.05443573	0.432377577	0.006145541	1237.813965	0.029751798	0.040052041	0.001933814	0.004755408	0.001869904	1.770524383	7.03163E-05	0.002317509	0.002304874	0.006067282	0.006878986
2036 Jun	0.007531254	0.046408005	1.70751E-05	12.33554649	67.95187378	0.419143021	0.005368582	1012.79187	0.026812127	0.043514334	0.001608801	0.004115382	0.001613981	1.80353117	7.68662E-05	0.002173455	0.002059604	0.005559405	0.006323049
2036 Jul	0.006506797	0.047181237	1.93661E-05	11.09471321	53.13440704	0.370515853	0.004568932	762.2949829	0.023661142	0.040068518	0.001180357	0.003539096	0.001373556	1.621690273	6.98849E-05	0.001899368	0.001842099	0.004918913	0.005972499
2036 Aug	0.00670397	0.047562178	2.0116E-05	11.12832928	53.73649597	0.37175253	0.004690547	764.7700195	0.024377575	0.039226715	0.001206454	0.003661804	0.001417325	1.611829758	6.82038E-05	0.001918922	0.001905763	0.004992438	0.006164192
2036 Sep	0.007439977	0.045237813	2.03787E-05	11.12664127	57.99124146	0.374460518	0.005179381	817.5112305	0.026921276	0.035299331	0.001421924	0.004132874	0.001589841	1.557956696	6.09763E-05	0.001989439	0.002130889	0.005233762	0.006602149
2036 Oct	0.008022337	0.043550897	1.94935E-05	11.46875286	61.37210464	0.386913955	0.005580095	873.824585	0.029027117	0.034367573	0.001644018	0.004485872	0.001721401	1.580808163	5.93478E-05	0.002085509	0.002298067	0.005457922	0.006829443
2036 Nov	0.008061389	0.043068308	1.91399E-05	11.68811989	61.71324158	0.393943071	0.005614207	884.4108887	0.029237242	0.035478499	0.001671703	0.004503415	0.001729115	1.620040298	6.15849E-05	0.002115784	0.002304762	0.005497964	0.006829844
2036 Dec	0.008062984	0.042885441	1.90201E-05	11.7543602	61.73871613	0.396017104	0.005617822	886.5800171	0.029268241	0.035860777	0.001677246	0.004502334	0.001729086	1.632626772	6.23565E-05	0.002123955	0.002303576	0.005505238	0.006823807
2037 Jan	0.008062527	0.042883277	1.90191E-05	11.75853539	61.73561096	0.396143168	0.005617653	886.593689	0.029268179	0.035888318	0.001677098	0.004501876	0.001728939	1.633452058	6.241E-05	0.002124401	0.002303343	0.00550556	0.006823842
2037 Feb	0.008062785	0.042885609	1.902E-05	11.76155376	61.73778152	0.396236897	0.005617912	886.6534424	0.029269975	0.035905644	0.001677106	0.004501907	0.001728967	1.634004474	6.24431E-05	0.002124777	0.002303364	0.005506088	0.006824329
2037 Mar	0.008070073	0.042924892	1.90374E-05	11.77363014	61.79369736	0.396639377	0.005623034	887.4720459	0.029296903	0.035946947	0.001678597	0.004505915	0.001730515	1.635755062	6.25166E-05	0.002126866	0.002305416	0.005511258	0.006830645
2037 Apr	0.00809096	0.043036293	1.90868E-05	11.80492687	61.95369339	0.39769125	0.005637613	889.7788086	0.029372998	0.036045033	0.001682927	0.004517542	0.001734986	1.640144825	6.26881E-05	0.002132467	0.002311366	0.005525632	0.006848408
2037 May	0.007736073	0.041606311	1.848E-05	13.16937733	59.37976456	0.437929273	0.005447644	873.2003174	0.028700052	0.045986414	0.001577908	0.004239448	0.001639691	1.924689651	8.21241E-05	0.002258542	0.002170991	0.005534351	0.00673725
2037 Jun	0.006646466	0.057937618	1.87515E-05	11.98958874	49.66138458	0.400936812	0.004623581	682.4665527	0.024706746	0.043799087	0.001302046	0.003576732	0.001388852	1.766885877	7.71151E-05	0.001987854	0.001961803	0.004915484	0.006053798
2037 Jul	0.006287478	0.072491154	2.14869E-05	10.14731312	44.22478867	0.34366259	0.004258691	556.3370361	0.022945162	0.034247775	0.001130401	0.003404656	0.001310717	1.428879738	5.73989E-05	0.001709636	0.001976138	0.00456096	0.005946117
2037 Aug	0.006652055	0.069964767	2.25959E-05	10.19592094	46.63855743	0.346033871	0.004506257	572.8112793	0.024209879	0.032688569	0.001177742	0.00363848	0.001396421	1.41276145	5.45887E-05	0.001753037	0.002075346	0.00470518	0.006296787
2037 Sep	0.006853499	0.065340087	2.30773E-05	10.229352	48.07734299	0.346899658	0.004656584	580.9349976	0.024939807	0.031821042	0.001193786	0.003770936	0.001445273	1.406927228	5.327E-05	0.001781843	0.002113762	0.004764345	0.006501882
2037 Oct	0.006759248	0.060154945	2.24756E-05	10.63398743	47.5578537	0.357781172	0.004626503	579.239563	0.024811154	0.034695391	0.001162519	0.003699397	0.001421287	1.493533731	5.92086E-05	0.001826561	0.00204901	0.00474101	0.006456609
2037 Nov	0.006754527	0.059716925	2.23141E-05	10.81635571	47.59629059	0.363345236	0.004630767	583.230957	0.024858607	0.035824053	0.001165649	0.003689759	0.001418793	1.528826714	6.14364E-05	0.001848186	0.002041731	0.0047611	0.006453616
2037 Dec	0.006760988	0.05973047	2.23173E-05	10.82725334	47.64723206	0.36371094	0.004635376	583.9889526	0.024882914	0.035860471	0.001167544	0.003693374	0.001420191	1.530432105	6.15046E-05	0.001850092	0.002043501	0.004765504	0.006457945
2038 Jan	0.006760891	0.059728064	2.23165E-05	10.82999897	47.64710617	0.363794535	0.004635407	584.0285645	0.024883511	0.035877697	0.00116751	0.003693202	0.001420143	1.530961752	6.15381E-05	0.001850408	0.002043401	0.004765816	0.006458065
2038 Feb	0.006760815	0.059727374	2.23163E-05	10.83146095	47.64679337	0.363838971	0.004635405	584.0450439	0.024883745	0.035886992	0.001167475	0.003693094	0.001420111	1.531244874	6.15561E-05	0.001850573	0.002043342	0.004765972	0.006458137
2038 Mar	0.006761951	0.059737407	2.23201E-05	10.83414459	47.65492249	0.363926589	0.004636212	584.1558228	0.024888208	0.035898313	0.001167659	0.003693678	0.001420341	1.53166604	6.15767E-05	0.001850985	0.002043666	0.004766888	0.006459301
2038 Apr	0.006778406	0.059882775	2.23745E-05	10.86100292	47.77096176	0.364827305	0.00464751	585.5845947	0.024948934	0.035988692	0.001170494	0.003702646	0.001423792	1.535486817	6.17323E-05	0.001855547	0.002048629	0.004778554	0.006475066
2038 May	0.00674361	0.059480783	2.22783E-05	11.53051186	47.63138199	0.38515684	0.004646965	593.244873	0.025057456	0.040246401	0.001154919	0.003653284	0.001409312	1.665227413	6.99904E-05	0.001931158	0.002021523	0.004850653	0.006507545
2038 Jun	0.005695351	0.068596587	2.12162E-05	11.30882263	39.89987946	0.376260161	0.00391756	478.7687683	0.02144908	0.044006601	0.000915782	0.002982882	0.001162772	1.693360567	7.67533E-05	0.001791209	0.001751771	0.004396176	0.005780122
2038 Jul	0.005436965	0.079596914	2.26619E-05	10.07640362	36.41738129	0.33785966	0.003661301	408.9958801	0.020158716	0.037861861	0.00082136	0.00285245	0.001105203	1.468293309	6.37881E-05	0.001602886	0.001757378	0.004178875	0.005621976
2038 Aug	0.005776234	0.074890606	2.36213E-05	10.1479435	38.90906143	0.340458632	0.003902066	423.5821533	0.021352943	0.036561579	0.000857635	0.00307194	0.001186243	1.459898829	6.16482E-05	0.001649817	0.001835092	0.004309492	0.005958082
2038 Sep	0.006100518	0.06762366	2.40436E-05	10.12198162	41.43282318	0.339580446	0.004142321	439.1307678	0.022480739	0.034732312	0.000903694	0.003288267	0.001265788	1.436020732	5.86585E-05	0.001687714	0.001898214	0.004401666	0.006232475
2038 Oct	0.006147166	0.063328855	2.37045E-05	10.32489967	41.95371246	0.344765782	0.004198004	445.9011841	0.02272	0.035782751	0.000909652	0.003310581	0.001275475	1.473942876	6.08962E-05	0.001721748	0.001880978	0.004421637	0.006256542
2038 Nov	0.006171308	0.063285157	2.36828E-05	10.41142941	42.16219711	0.347536504	0.004217028	449.4980774	0.022826403	0.036197208	0.000917607	0.003322397	0.001280339	1.488712549	6.1699E-05	0.0017344	0.001886188	0.004443817	0.006273295
2038 Dec	0.006175922	0.063277923	2.36784E-05	10.42140388	42.20107651	0.347865313	0.004220451	450.082489	0.0228446	0.036236193	0.000919221	0.003324931	0.001281333	1.490289807	6.17749E-05	0.001736048	0.001887337	0.004447179	0.006275892
2039 Jan	0.006176939	0.063271776	2.36756E-05	10.42477512	42.21040726	0.347973883	0.00422126	450.2391663	0.022849027	0.036251839	0.000919641	0.003325452	0.001281546	1.4908638	6.18057E-05	0.001736556	0.001887546	0.004448056	0.006276378
2039 Feb	0.006177433	0.063268557	2.3674E-05	10.42647648	42.21500778	0.348028719	0.004221656	450.3101196	0.022851201	0.036259819	0.000919852	0.003325703	0.001281649	1.491155386	6.18215E-05	0.001736811	0.001887646	0.004448488	0.006276602

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.006181877	0.063309722	2.36893E-05	10.43447113	42.24602509	0.348294407	0.004224724	450.6529846	0.02286783	0.036288802	0.000920586	0.003328086	0.00128257	1.492325664	6.18721E-05	0.001738126	0.001888976	0.004451733	0.006280975
2039 Apr	0.006197807	0.063472614	2.37502E-05	10.46189594	42.35499573	0.349208385	0.004235629	451.8233948	0.022926936	0.036385592	0.000922955	0.00333664	0.00128587	1.496273041	6.20379E-05	0.001742668	0.001893831	0.004463275	0.006297199
2039 May	0.006242282	0.063902572	2.39116E-05	10.55614471	42.66489029	0.352302462	0.004266724	455.4303894	0.023097884	0.036763497	0.000929742	0.003359844	0.001294934	1.510669947	6.27114E-05	0.001757465	0.001906894	0.004497756	0.006343132
2039 Jun	0.005805562	0.052189596	2.0227E-05	11.22876167	41.14308929	0.368919432	0.004031472	444.5031738	0.021964051	0.043159842	0.000935541	0.003098057	0.001196664	1.67735815	7.57484E-05	0.001814094	0.001719654	0.004511342	0.005750853
2039 Jul	0.00519716	0.045208126	2.16091E-05	10.11042118	35.66207504	0.329007089	0.003590395	352.3699341	0.019782806	0.03914101	0.000646321	0.002780169	0.001067109	1.509511948	6.84462E-05	0.001628235	0.001532489	0.004114221	0.005571696
2039 Aug	0.005334606	0.045602787	2.25491E-05	9.959815979	35.77811813	0.322921038	0.003663155	344.198761	0.020148756	0.037634861	0.00063294	0.002842606	0.001093162	1.470702529	6.54336E-05	0.001618782	0.001527224	0.004059553	0.00571956
2039 Sep	0.005671482	0.044752948	2.2999E-05	10.04324436	38.31786728	0.327034503	0.003898495	363.3985291	0.021281054	0.036465447	0.000711951	0.003051513	0.001171771	1.463027716	6.325E-05	0.001662719	0.001624734	0.004192957	0.005966224
2039 Oct	0.005796494	0.043903746	2.28938E-05	10.201231	39.39027405	0.332578033	0.003994272	374.7648315	0.021740858	0.03680246	0.000750572	0.003124134	0.001200169	1.485034108	6.39867E-05	0.001695169	0.001656604	0.004251015	0.006043482
2039 Nov	0.005828661	0.043996423	2.2919E-05	10.24798012	39.63994598	0.334168673	0.00401689	377.5919189	0.021859223	0.036938407	0.000759692	0.00314239	0.001207177	1.491580963	6.42359E-05	0.001703738	0.001665686	0.004272063	0.006065364
2039 Dec	0.005833266	0.044012722	2.29247E-05	10.25683022	39.67538452	0.334461689	0.004020181	378.0151672	0.021876847	0.036971245	0.000760878	0.003144902	0.001208154	1.492924333	6.42969E-05	0.001705211	0.001666945	0.004275387	0.006068898
2040 Jan	0.005834279	0.044010609	2.29219E-05	10.25906086	39.68450165	0.334536761	0.004020945	378.1408691	0.02188085	0.036979888	0.000761325	0.003145462	0.001208376	1.493280172	6.43141E-05	0.001705581	0.001667204	0.004276108	0.006069281
2040 Feb	0.005835269	0.044011008	2.29209E-05	10.26063919	39.69278336	0.334590942	0.004021658	378.231781	0.021884553	0.036984779	0.00076169	0.003146027	0.001208595	1.493511081	6.43236E-05	0.001705866	0.001667476	0.004276752	0.006069775
2040 Mar	0.005840236	0.04404423	2.29375E-05	10.26920605	39.72748947	0.334872007	0.004025098	378.568634	0.021903154	0.037015006	0.00076248	0.003148727	0.001209632	1.494755745	6.43766E-05	0.001707308	0.001668891	0.004280335	0.006074615
2040 Apr	0.005856276	0.044161137	2.29977E-05	10.29699326	39.83742142	0.335780263	0.00403616	379.6179199	0.021963198	0.037113898	0.000764711	0.003157406	0.001212966	1.498786688	6.45488E-05	0.001711956	0.001673475	0.004292001	0.006090968
2040 May	0.005863447	0.044150461	2.29549E-05	10.70962334	39.97361755	0.34852159	0.004054404	387.3330994	0.022120114	0.039602216	0.000764751	0.003144806	0.001210686	1.576625109	6.93594E-05	0.001761153	0.001666832	0.004349614	0.006125795
2040 Jun	0.005121354	0.037374105	1.90469E-05	14.3004961	36.03813553	0.456871331	0.003707221	430.4902649	0.020931836	0.064787559	0.000661955	0.002544282	0.001011301	2.3171768919	0.000119111	0.002121306	0.001347148	0.004445488	0.005676507
2040 Jul	0.005490035	0.037056323	1.84155E-05	14.89820385	39.20588684	0.47743085	0.003975376	466.9563293	0.022317231	0.066652954	0.000809584	0.002755624	0.001093315	2.405557632	0.000122797	0.002229679	0.001446958	0.004684259	0.005835182
2040 Aug	0.005939444	0.037261765	1.80454E-05	15.20311451	42.86972809	0.489295751	0.00428563	500.6566162	0.023864703	0.066363871	0.000975215	0.003028895	0.00119645	2.432214022	0.000122242	0.002310822	0.001578961	0.00492326	0.0060339
2040 Sep	0.006361149	0.037004992	1.74007E-05	15.42176437	46.39221954	0.498493016	0.004576916	532.7485352	0.025297586	0.065656468	0.001145487	0.003289609	0.001294625	2.444941044	0.000120955	0.002379982	0.001703289	0.005134908	0.006182944
2040 Oct	0.006409919	0.036792252	1.72001E-05	15.65848827	46.87396622	0.506104231	0.004618396	540.7853394	0.025532758	0.066860102	0.001168787	0.003311457	0.001304194	2.48674798	0.000123317	0.002413173	0.001712625	0.005185892	0.006205249
2040 Nov	0.006440301	0.036868889	1.72164E-05	15.72435379	47.1157074	0.508276463	0.004640518	543.5852661	0.025651643	0.06712088	0.001177518	0.003327821	0.001310617	2.497063875	0.00012381	0.002423836	0.001720703	0.005208561	0.006227007
2040 Dec	0.006445062	0.036878038	1.72171E-05	15.73032665	47.15348053	0.508484185	0.004643858	543.9608154	0.025668882	0.067134976	0.001179022	0.003330578	0.001311672	2.497858286	0.000123836	0.002425003	0.001722057	0.005211513	0.00622984
2041 Jan	0.006446942	0.036880262	1.72163E-05	15.7324543	47.16868973	0.508559763	0.004645177	544.100769	0.025675623	0.067139044	0.001179668	0.003331681	0.001312093	2.498130322	0.000123844	0.002425439	0.001722595	0.005212635	0.006230829
2041 Feb	0.006447924	0.036882762	1.72167E-05	15.73418427	47.17647552	0.508617818	0.004645879	544.1752319	0.025679335	0.06714502	0.001179961	0.003332227	0.001312304	2.498388052	0.000123855	0.002425737	0.001722865	0.005213313	0.006231484
2041 Mar	0.006452311	0.036905546	1.72268E-05	15.74420929	47.20898438	0.508943796	0.004649031	544.5361328	0.0256966	0.067186408	0.001180849	0.00333453	0.001313208	2.499961853	0.000123932	0.002427313	0.001724047	0.00521675	0.006235492
2041 Apr	0.006465753	0.036980104	1.72611E-05	15.77609444	47.30768967	0.509976745	0.004658698	545.6573486	0.025749849	0.067320652	0.001183394	0.003341523	0.001315956	2.504999161	0.000124179	0.002432267	0.001727654	0.005227476	0.006248234
2041 May	0.00661863	0.037352704	1.73326E-05	15.94442463	48.50115585	0.51590842	0.004764801	555.5865479	0.026295386	0.067633048	0.001229675	0.003430795	0.001349918	2.525978327	0.000124732	0.002466822	0.00177187	0.005319787	0.006342395
2041 Jun	0.006346182	0.033455022	1.50153E-05	17.91854858	47.44847488	0.576191366	0.00466526	579.875	0.026081339	0.080829114	0.001226298	0.003187726	0.001272506	2.923839569	0.000150845	0.002678879	0.001637276	0.005433621	0.006141125
2041 Jul	0.00568428	0.029793924	1.33074E-05	18.67207527	42.97130585	0.596682906	0.004263969	562.7128296	0.024212852	0.088443436	0.001076123	0.002746186	0.001114361	3.116665602	0.000166111	0.00270752	0.001409455	0.005215305	0.005714645
2041 Aug	0.00605513	0.03042602	1.33112E-05	18.90177917	45.89175415	0.605657697	0.004516947	584.0107422	0.025479851	0.088094674	0.001198341	0.002971043	0.001198916	3.133968115	0.000165361	0.002770934	0.001519849	0.005413238	0.00590949
2041 Sep	0.00655277	0.030974396	1.31207E-05	18.84681892	49.81460571	0.606639087	0.004846266	606.8045044	0.027064078	0.085388005	0.001375654	0.003288982	0.001316436	3.088618279	0.000160085	0.002814048	0.001675235	0.005628122	0.006118494
2041 Oct	0.006732821	0.030995	1.29306E-05	18.87145996	51.27957153	0.608414292	0.00496781	615.8804321	0.027652536	0.084672734	0.001445029	0.003402671	0.001358797	3.080870152	0.000158715	0.002835245	0.001730032	0.005710157	0.006185114
2041 Nov	0.006774725	0.03110799	1.29579E-05	18.9518795	51.60970306	0.611087859	0.004997949	619.1530762	0.027813077	0.084968969	0.00145695	0.003425653	0.001367747	3.093111277	0.000159271	0.002848714	0.001741414	0.005740087	0.006214736
2041 Dec	0.006783991	0.031129025	1.29615E-05	18.9593544	51.68183899	0.611363769	0.005004299	619.7103271	0.027845263	0.084971167	0.00145982	0.003431181	0.001369834	3.093867064	0.000159272	0.002850491	0.001744147	0.005745308	0.006220123
2042 Jan	0.006786196	0.03113432	1.29624E-05	18.96216393	51.69915009	0.611461103	0.005005843	619.8557129	0.027853256	0.084977992	0.001460489	0.003432452	0.00137032	3.094242096	0.000159284	0.002851035	0.001744776	0.005746687	0.0062215
2042 Feb	0.006786786	0.031135624	1.29624E-05	18.96300507	51.70386124	0.61149019	0.00500626	619.8893433	0.027855422	0.084980361	0.001460678	0.00343279	0.00137045	3.094360352	0.000159289	0.002851191	0.001744943	0.005747065	0.006221854
2042 Mar	0.006790446	0.03115055	1.29681E-05	18.97170258	51.73192596	0.61177361	0.00500892	620.1911621	0.02786996	0.085016713	0.001461545	0.003434712	0.001371207	3.095741034	0.000159357	0.002852553	0.001745914	0.005749945	0.006224935
2042 Apr	0.006826659	0.031306524	1.30305E-05	19.06295395	52.00835037	0.61473453	0.005035364	623.3024902	0.028015431	0.085408822	0.001469769	0.003453478	0.001378634	3.110378981	0.00016009	0.002866623	0.001755417	0.005779205	0.006256553
2042 May	0.00690752	0.031684503	1.31782E-05	19.38335991	52.64177322	0.624930143	0.005098057	631.9984131	0.028377855	0.086998954	0.001486524	0.003490426	0.001394046	3.165175676	0.000163104	0.002911677	0.001774224	0.005860151	0.00633817
2042 Jun	0.006365534	0.029486809	1.23014E-05	20.27999306	48.85412216	0.65006429	0.004774459	621.067749	0.026933949	0.094985403	0.001335791	0.00311465	0.001260531	3.375197887	0.000178851	0.002966275	0.001583615	0.005725241	0.006068686
2042 Jul	0.006138016	0.028193612	1.16903E-05	20.82847595	47.36964035	0.6660043	0.00464597	615.8331299	0.026385691	0.099373341	0.001282078	0.002950836	0.001203377	3.496447325	0.000187522	0.003010151	0.00149855	0.00568839	0.005944824
2042 Aug	0.006536993	0.027978679	1.11144E-05	20.48523521	50.6013298	0.657788157	0.004903756	620.3648682	0.027562283	0.095337763	0.001447534	0.003220155	0.001301569	3.404059172	0.000179801	0.003010936	0.001628046	0.005814813	0.006041337
2042 Sep	0.006841227	0.02819645	1.09245E-05	20.52921867	53.03525925	0.660795867	0.005108293	630.2373047	0.028556325	0.0941521	0.001558471	0.003411494	0.001372819	3.39117527	0.000177499	0.003046613	0.001720894	0.005955135	0.006168052
2042 Oct	0.00693188	0.028131491	1.0778E-05	20.43998337	53.77215576	0.658589065	0.005166649	630.9500732	0.028819855	0.093166612	0.001596889	0.00347317	0.001395252	3.368081808	0.000175614	0.003045521	0.00175046	0.005982097	0.006187302
2042 Nov	0.006980879	0.028263196	1.08103E-05	20.49738884	54.15220642	0.660590947	0.005200705	633.7943726	0.028995736	0.09328869	0.001611227	0.003501588	0.001406079	3.375445604	0.000175831	0.003056973	0.001764572	0.006012244	0.006218777
2042 Dec	0.006988275	0.028280465	1.08134E-05	20.50191879	54.20944977	0.660766959	0.005205725	634.1503296	0.029020961	0.093281679	0.001613518	0.003506059	0.001407758	3.375775576	0.000175815	0.003058223	0.001766786	0.006016224	0.006222987
2043 Jan	0.006990714	0.02828498	1.08136E-05	20.50177193	54.22834015	0.660775125	0.005207335	634.2329712	0.029028755	0.093269244	0.001614333	0.003507607	0.00140833	3.375574827	0.000175791	0.003058444	0.00176755	0.006017307	0.00622414
2043 Feb	0.006991037	0.028286066	1.08138E-05	20.50250435	54.230896	0.660799205	0.005207569	634.2529297	0.029030025	0.093272209	0.001614423	0.003507779	0.001408398	3.375690222	0.000175796	0.003058561	0.001767636	0.006017553	0.006224378
2043 Mar	0.006992435	0.028292043	1.08161E-05	20.50713158	54.24177551	0.660947502	0.005208626	634.3882446	0.029035999	0.093294099	0.001614734	0.003508457	0.001408674	3.376464844	0.000175838	0.003059234	0.001767979	0.006018827	0.006225683
2043 Apr	0.007025064	0.028424228	1.08667E-05	20.60309601	54.49491119	0.664040089	0.005232939	637.3527832	0.029171577	0.093731113	0.001622263	0.003524817	0.001415244	3.392272234	0.000176662	0.003073541	0.001776224	0.00604695	0.006254764
2043 May	0.007074103	0.028739242	1.10019E-05	20.98514748	54.89470673	0.675972521	0.00527661	645.6269531	0.029451685	0.095848106	0.001628236	0.003539103	0.001422629	3.461037159	0.000180702	0.003122723	0.001783794	0.006121556	0.006325487
2043 Jun	0.006206135	0.026610212	1.04282E-05	21.76837158	48.45420074	0.695872545	0.004730711	620.3942261	0.026918514	0.104701504	0.001355255	0.002960099	0.001213134	3.672062397	0.00019811	0.003130803	0.001496057	0.005826785	0.005925077
2043 Jul	0.006414946	0.026863992	1.03741E-05	21.79557991	50.10024643	0.697809279	0.004870279	624.6828003	0.027599525	0.103876188	0.001427808	0.003091328	0.001261891	3.66253829	0.000196489	0.003154733	0.00156016	0.005924143	0.006019927
2043 Aug	0.006677008	0.027256468	1.03538E-05	21.72928619	52.13433075	0.697134674	0.005041949	629.3770142	0.028421013	0.102228299	0.001517723	0.003259908	0.001323949	3.63143301	0.000193261	0.003172814	0.001642905	0.006033195	0.006135202
2043 Sep	0.007170849	0.028026694	1.03303E-05	21.47700691	55.94216919	0.691952288	0.005361208	637.1428833	0.029927691	0.098344639	0.001687924	0.003582903	0.001442113	3.548628569	0.000185672	0.003191902	0.001801817	0.006222112	0.006342896
2043 Oct	0.007270226	0.028074475	1.02584E-05	21.44179916	56.7317543	0.691409349	0.005426568	636.9703979	0.030236201	0.0976547	0.001725055	0.003647465	0.001465872	3.535044193	0.000184337	0.003197788	0.001833084	0.006261066	0.006378925
2043 Nov	0.007125507	0.027729554	1.01939E-05	21.57914734	55.64837646	0.694897115	0.005335733	633.2794189	0.029815584	0.09917669	0.001677703	0.003550383	0.00143077	3.571474791	0.000187319	0.003199867	0.001784694	0.006212887	0.006316049
2043 Dec	0.007127544	0.027737694	1.0197E-05	21.5876503	55.66460419	0.695167363	0.005337334	633.4870605	0.029824866	0.099219345	0.001678147	0.003551299	0.001431156	3.572938204	0.0001874	0.003201056	0.001785154	0.006214974	0.00631808
2044 Jan	0.007127947	0.027759967	1.01979E-05	21.58892059	55.66742706	0.695213437	0.005337579	633.5129395	0.02982631	0.099225394	0.001678273	0.003551452	0.001431221	3.573139668	0.00018741	0.003201216	0.001785341	0.006215341	0.006318348
2044 Feb	0.007130444	0.027797895	1.02018E-05	21.595541	55.68637466	0.695435405	0.00533934	633.7081299	0.029836103	0.099254541	0.001678921	0.003552674	0.001431711	3.574198961	0.000187463	0.003202192	0.001786106	0.006217406	0.006320336
2044 Mar	0.007135824	0.027834401	1.02098E-05	21.6117363	55.72811508	0.695960999	0.005343322	634.1797485	0.029858395	0.09932892	0.001680209	0.003555325	0.001432781	3.576869726	0.000187603	0.003204577	0.001787522	0.006222093	0.006325035
2044 Apr	0.007149593	0.027896751	1.02296E-05	21.65337944	55.83548355	0.697304308	0.005353605	635.3998413	0.029915882	0.099520288	0.001683463	0.003562168	0.001435539	3.58375597	0.000187964	0.003210743	0.001791009	0.006234096	0.0063372
2044 May	0.007244023	0.028546602	1.03732E-05	21.93231392	56.56631088	0.7063483	0.005423244	643.5661011	0.030305117	0.100796826	0.001706666	0.003608941	0.001454401	3.629592896	0.000190349	0.003251964	0.001816003	0.006316666	0.006418886
2044 Jun	0.00607349	0.042348862	9.80328E-06	16.67597771	46.66085052	0.538820684	0.004426092	499.166626	0.024585128	0.075115658	0.001488168	0.003069834	0.001220028	2.703999758	0.000138686	0.002501908	0.001637293	0.005355559	0.005073875
2044 Jul	0.005878337	0.04480648	9.74859E-06	15.43424225	44.93570709	0.499016374	0.004245876	467.6799011	0.023501741	0.06872303	0.001455436	0.00299534	0.001183448	2.47977066	0.000125796	0.002333736	0.00161398	0.005177182	0.00479921
2044 Aug	0.0060272	0.045311064	9.79354E-06	15.2985611	46.04249954	0.495379448	0.004340416	469.288147	0.023923507	0.067217477	0.001505192	0.003091394	0.001218825	2.443089485	0.000122792	0.002331679	0.001659247	0.005223929	0.004853767
2044 Sep	0.006117476	0.046437636	9.63891E-06	14.09062481	46.502285	0.457528353	0.004370139	447.125946	0.023745157	0.059581459	0.001555425	0.003178514	0.001247543	2.206017733	0.00010765	0.002195889	0.001693436	0.005085036	0.004726985
2044 Oct	0.00621091	0.047729488	9.60407E-06	13.52750206	47.06774139	0.440004408	0.004417376	438.0796509	0.023805793	0.055880047	0.001593207	0.003247126	0.001271135	2.091995001	0.00010014	0.002137236	0.001725916	0.005041924	0.004689756
2044 Nov	0.006207998	0.048126925	9.6191E-06	13.44642448	47.0084343	0.437324136	0.004413025	436.1604004	0.023755446	0.055447917	0.00159273	0.003245303	0.001270258	2.076557159	9.92056E-05	0.00212682	0.001725373	0.00502992	0.004674487
2044 Dec	0.006214352	0.048147049	9.62214E-06	13.44779682	47.05670929	0.437394232	0.004417274	436.3740845	0.023776026	0.055427369	0.001594697	0.003249179	0.001271706	2.076359987	9.91623E-05	0.002127589	0.001727283	0.005032939	0.0046778
2045 Jan	0.006215028	0.048163578	9.62225E-06	13.44656086	47.06145477	0.43736282	0.00441765	436.3652649	0.023777552	0.055416867	0.001594956	0.003249606	0.001271861	2.076070786	9.91406E-05	0.002127491	0.001727566	0.005033041	0.004677917
2045 Feb	0.006215003	0.048182681	9.62233E-06	13.44607067	47.0609436	0.437353373	0.004417564	436.3495483	0.023777086	0.055413969	0.001594988	0.003249571	0.001271847	2.075970888	9.9134E-05	0.002127407	0.001727653	0.005032951	0.004677774
2045 Mar	0.006218492	0.048221078	9.62796E-06	13.45359516	47.08716965	0.437601119	0.004420011	436.5907593	0.023790291	0.055444989	0.001595898	0.003251371	0.001272553	2.077126503	9.91888E-05	0.002128584	0.001728672	0.005035777	0.004680356
2045 Apr	0.006231434	0.048327912	9.64812E-06	13.48158169	47.18505096	0.4385131	0.004429191	437.4972534	0.023839721	0.055560328	0.001599228	0.003258124	0.001275197	2.08144331	9.93947E-05	0.002133005	0.001732297	0.005046257	0.004690072
2045 May	0.006316842	0.048993278	9.78043E-06	13.66635323	47.83171844	0.444523871	0.004489889	443.4925842	0.024166429	0.056321822	0.001621152	0.003302774	0.001292673	2.1099639139	0.000100757	0.002162235	0.001756053	0.005115425	0.004754342
2045 Jun	0.006754389	0.05199223	9.62229E-06	11.45626736	50.98304749	0.37856847	0.004691563	412.6699524	0.024845909	0.04098992	0.001823616	0.003685583	0.001416436	1.657243133	7.05443E-05	0.001944594	0.001966837	0.005149064	0.004683833
2045 Jul	0.006577634	0.054799806	9.6344E-06	10.30362892	49.41070175	0.341709077	0.004521994	383.5046997	0.023857255	0.03506238	0.001796214	0.003622368	0.0013836	1.448411226	5.85296E-05	0.00178853	0.001952467	0.005007274	0.004430923
2045 Aug	0.006723493	0.055404939	9.72894E-06	10.3072319	50.49802399	0.342310548	0.004618704	387.7032471	0.02431237	0.034422882	0.00184107	0.003709688	0.001416722	1.438261509	5.71908E-05	0.001802226	0.001992976	0.005068967	0.004501441
2045 Sep	0.006829982	0.05533113	9.67759E-06	10.0806284	51.2721405	0.33555761	0.00468797	386.2824097	0.024562409	0.032543704	0.001877616	0.003778954	0.001442836	1.387717009	5.35208E-05	0.001785719	0.002020492	0.00506213	0.004523277
2045 Oct	0.006944119	0.055655327	9.71857E-06	10.0918417	52.13313293	0.336363375	0.004764955	389.835144	0.024924042	0.032098029	0.001912644	0.003847725	0.001468727	1.381720304	5.25891E-05	0.001797963	0.002053455	0.005109061	0.004580764
2045 Nov	0.006975888	0.055771671	9.74185E-06	10.1192131	52.37642288	0.337350309	0.004786664	391.3063965	0.025034104	0.032119822	0.001922029	0.003866411	0.001475791	1.384602189	5.26129E-05	0.001804187	0.002062826	0.005127589	0.004600028
2045 Dec	0.006986373	0.055794064	9.74699E-06	10.12582493	52.45721436	0.337604344	0.004793815	391.7507629	0.025069864	0.032111093	0.001925203	0.003872706	0.001478163	1.385108948	5.25927E-05	0.001805981	0.002065913	0.005133089	0.004606154
2046 Jan	0.006987859	0.055807345	9.74785E-06	10.12654018	52.46842575	0.337635756	0.004794798	391.8061829	0.025074711	0.032108624	0.001925667	0.003873578	0.001478492	1.385134101	5.25868E-05	0.001806196	0.002066389	0.005133822	0.004606952

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.006988393	0.055824973	9.74887E-06	10.1273365	52.47220612	0.337665707	0.004795128	391.8326721	0.025076473	0.032111272	0.00192583	0.003873843	0.001478595	1.385237455	5.25903E-05	0.00180632	0.002066604	0.005134219	0.004607259
2046 Mar	0.006995827	0.055891667	9.75939E-06	10.1381216	52.52790451	0.338027209	0.004800208	392.2476501	0.025103064	0.032145537	0.001927887	0.003877948	0.001480163	1.386709809	5.2646E-05	0.001808234	0.002068833	0.005139685	0.004612135
2046 Apr	0.007000893	0.055925328	9.76494E-06	10.14417839	52.56629181	0.338235825	0.004803668	392.5099487	0.025120964	0.032160137	0.001929336	0.00388083	0.001481258	1.387478113	5.26692E-05	0.001809403	0.002070349	0.005143067	0.004615356
2046 May	0.007014515	0.056543473	9.78994E-06	10.15072155	52.65966415	0.338628232	0.004811092	392.8713684	0.025159711	0.032144073	0.001935344	0.003887974	0.001484047	1.387429357	5.25891E-05	0.001810751	0.002077015	0.005151943	0.004620864
2046 Jun	0.006151339	0.060042799	9.40903E-06	8.14663887	45.76406479	0.273039252	0.00415169	325.9465332	0.021685546	0.024255589	0.001721586	0.003434312	0.001300153	1.0648067	3.68321E-05	0.001486329	0.001891272	0.004630349	0.003908745
2046 Jul	0.005174522	0.061252698	9.12536E-06	6.68955183	37.99980545	0.222577572	0.00344262	266.6322021	0.018017551	0.020279981	0.00144235	0.002877309	0.001082929	0.855372429	2.87551E-05	0.001216478	0.001630127	0.004087382	0.003211398
2046 Aug	0.005396989	0.061503634	9.2179E-06	6.778080463	39.69521713	0.226176232	0.003594998	274.9604797	0.018750893	0.019761849	0.001509101	0.003008678	0.001133404	0.856269181	2.77175E-05	0.001248093	0.001688437	0.004180908	0.003333705
2046 Sep	0.005824532	0.060345095	9.17259E-06	6.824087143	42.99196625	0.229311943	0.00389628	288.9928894	0.020130025	0.017931413	0.001638485	0.003264688	0.001232383	0.835783482	2.4302E-05	0.001296456	0.001795337	0.004303903	0.003558564
2046 Oct	0.006053424	0.060406283	9.15951E-06	6.818869591	44.70066071	0.229856282	0.004057347	295.5916443	0.020831093	0.01688258	0.001705317	0.003396513	0.001283467	0.819344282	2.21539E-05	0.001318381	0.001851666	0.004358407	0.003670105
2046 Nov	0.006111883	0.0605147	9.17728E-06	6.840410709	45.14201736	0.23073788	0.004097914	297.7279968	0.021020558	0.016751079	0.001722492	0.003430525	0.001296494	0.819343686	2.1867E-05	0.001326564	0.00186737	0.004381455	0.003701681
2046 Dec	0.006127251	0.060527243	9.18292E-06	6.851102829	45.26151276	0.231145263	0.004108489	298.4079895	0.021073703	0.016742747	0.001727143	0.003439775	0.001299988	0.820293427	2.18499E-05	0.00132934	0.001871835	0.004389355	0.003710921
2047 Jan	0.006128944	0.060542777	9.18368E-06	6.852149963	45.27437973	0.231189668	0.004109618	298.4760132	0.021079307	0.016741136	0.001727671	0.003440756	0.001300362	0.820367277	2.18458E-05	0.001329612	0.001872378	0.004390162	0.003711866
2047 Feb	0.006129468	0.060567863	9.18486E-06	6.852802277	45.2779274	0.231216788	0.004109916	298.4971008	0.021080896	0.016743045	0.001727842	0.003441004	0.001300458	0.820440412	2.18474E-05	0.001329709	0.001872622	0.004390548	0.00371212
2047 Mar	0.006140414	0.060686924	9.20148E-06	6.865076065	45.35860062	0.231633708	0.004117225	299.0277405	0.021118419	0.016773209	0.00173094	0.003447123	0.001302772	0.821907163	2.18863E-05	0.001332074	0.001876011	0.004398394	0.003718714
2047 Apr	0.006154293	0.060830321	9.2224E-06	6.880614758	45.46102524	0.23215957	0.004126515	299.702301	0.021166088	0.016811274	0.00173486	0.003454901	0.001305712	0.823765993	2.19357E-05	0.00133508	0.001880278	0.004408339	0.0037271
2047 May	0.006148079	0.065102123	9.31716E-06	6.862109661	45.34008408	0.232647598	0.004108958	297.9273987	0.021090945	0.016756587	0.00174845	0.003443753	0.001302449	0.818538487	2.1552E-05	0.001326981	0.00189842	0.004411481	0.003706356
2047 Jun	0.006078764	0.081945598	9.26394E-06	6.443782806	44.63544083	0.22568801	0.003996659	283.478363	0.020577131	0.014359009	0.001817611	0.003395512	0.001286566	0.73688817	1.63015E-05	0.001251361	0.001979566	0.004328864	0.003568003
2047 Jul	0.006300108	0.082486905	9.47544E-06	6.577065468	46.31707382	0.23046495	0.004144432	292.649231	0.021329567	0.014207484	0.001881176	0.003530493	0.001336269	0.745974064	1.58265E-05	0.001288374	0.002045405	0.004468655	0.003695931
2047 Aug	0.006446626	0.081638284	9.51453E-06	6.650187016	47.45644379	0.233073354	0.004248706	298.7118835	0.021830494	0.013935507	0.001921743	0.003618532	0.001370034	0.749774575	1.53561E-05	0.001312096	0.002079349	0.004529928	0.003782325
2047 Sep	0.0067529	0.078399941	9.47877E-06	6.75472784	49.8602066	0.236806199	0.004473368	310.8334351	0.022871019	0.013053507	0.002003247	0.003804174	0.001441395	0.749659657	1.38751E-05	0.001357991	0.002143579	0.004629843	0.003961582
2047 Oct	0.006951849	0.076440945	9.43003E-06	6.808455467	51.39734268	0.238694206	0.004619824	318.3754883	0.02352972	0.012467274	0.002054249	0.003922456	0.001486641	0.747468233	1.27973E-05	0.001386545	0.002184839	0.004686178	0.004074902
2047 Nov	0.006956824	0.076311715	9.43265E-06	6.795322418	51.41870117	0.23810178	0.004624687	318.2146301	0.023534263	0.012393963	0.002053482	0.003923691	0.001487307	0.744735062	1.26157E-05	0.001385576	0.00218308	0.004681145	0.004074827
2047 Dec	0.006969624	0.076310769	9.43763E-06	6.804785252	51.51833344	0.238453373	0.004633543	318.7947388	0.023578821	0.012390709	0.00205728	0.003931394	0.001490213	0.745636344	1.26088E-05	0.001387967	0.002186731	0.004687851	0.004082641
2048 Jan	0.006973659	0.076326743	9.43961E-06	6.807841778	51.54943085	0.238570318	0.00463629	318.9741821	0.023592683	0.012390275	0.002058492	0.00393378	0.001491116	0.745926261	1.26067E-05	0.001388709	0.002187946	0.004689984	0.004085052
2048 Feb	0.006975483	0.076367795	9.44251E-06	6.809710026	51.56256485	0.238640934	0.004637447	319.0532532	0.02359863	0.012394139	0.002059054	0.003934761	0.00149149	0.746127725	1.26099E-05	0.001389056	0.002188607	0.004691227	0.004086055
2048 Mar	0.006975698	0.076381557	9.44304E-06	6.809967041	51.56397247	0.238652751	0.004637559	319.06073	0.023599235	0.012394859	0.00205913	0.003934855	0.001491527	0.746154249	1.26102E-05	0.00138909	0.002188722	0.004691381	0.004086146
2048 Apr	0.00699965	0.076678872	9.4758E-06	6.833407879	51.74056625	0.23948513	0.004653385	320.1479187	0.023679895	0.012437617	0.002066248	0.003948292	0.001496625	0.748711824	1.26523E-05	0.001393823	0.002196396	0.004707449	0.004100066
2048 May	0.007105986	0.077860184	9.61978E-06	6.937207222	52.52641296	0.243128881	0.004724031	325.0070801	0.024039455	0.012626319	0.002097667	0.004008241	0.001519351	0.760077178	1.28434E-05	0.001414976	0.002229841	0.004778922	0.0041623
2048 Jun	0.006023633	0.074616075	9.3267E-06	5.837406635	44.1424408	0.202724293	0.003963095	271.223938	0.020250013	0.01123369	0.001768115	0.003396611	0.001279265	0.627506316	1.01256E-05	0.001183117	0.001934595	0.004285772	0.003480009
2048 Jul	0.005017234	0.073577173	9.16905E-06	4.874357224	36.24500275	0.166811317	0.003252753	221.504776	0.016692227	0.010396565	0.00145951	0.002810859	0.001052169	0.514729202	8.26277E-06	0.000971259	0.001650967	0.003814605	0.002840817
2048 Aug	0.00549609	0.071908072	9.2422E-06	5.202824593	39.99471283	0.178933442	0.003591403	243.030426	0.018357154	0.01000315	0.001598915	0.00309549	0.001161957	0.544359386	7.73633E-06	0.001058632	0.001769662	0.004018134	0.003134544
2048 Sep	0.006018412	0.070060663	9.29086E-06	5.564416885	44.09000397	0.192308724	0.003963951	266.5966797	0.020173371	0.009619049	0.00175048	0.003406099	0.001281452	0.577506542	7.20194E-06	0.001154806	0.00190284	0.004239899	0.003455548
2048 Oct	0.006260677	0.068967961	9.25883E-06	5.71478796	45.97238541	0.197834477	0.004139708	277.2046204	0.020999216	0.009380635	0.001818213	0.00354701	0.001336011	0.590308189	6.80266E-06	0.001198011	0.001960637	0.004323578	0.003601888
2048 Nov	0.006250727	0.069146782	9.27329E-06	5.699587345	45.86405945	0.197089031	0.004134282	276.4092407	0.020947315	0.009383617	0.001812705	0.003537119	0.001332735	0.588061035	6.72426E-06	0.001194863	0.001954483	0.004310805	0.00359204
2048 Dec	0.006255148	0.069170937	9.27729E-06	5.703169823	45.8972168	0.197215289	0.004137304	276.6044617	0.020962244	0.009386338	0.001813974	0.003539651	0.001333697	0.588413954	6.72483E-06	0.001195689	0.001955753	0.004313322	0.003594631
2049 Jan	0.006255063	0.069192335	9.27806E-06	5.703175545	45.8959465	0.197217613	0.004137199	276.5945129	0.020961618	0.009387374	0.001813949	0.003539525	0.001333654	0.588409603	6.72472E-06	0.001195653	0.001955787	0.004313294	0.003594491
2049 Feb	0.006255135	0.06921605	9.27862E-06	5.703343868	45.89610291	0.197229162	0.004137186	276.5931702	0.020961622	0.009388194	0.001813996	0.003539512	0.001333652	0.588424861	6.72479E-06	0.00119565	0.001955906	0.00431336	0.003594463
2049 Mar	0.006259235	0.069273897	9.28495E-06	5.707138062	45.92597961	0.197363481	0.004139864	276.7719727	0.020975227	0.009394736	0.001815199	0.003541803	0.001334517	0.588815153	6.7292E-06	0.001196424	0.00195724	0.004316195	0.003596781
2049 Apr	0.006281269	0.069524899	9.31778E-06	5.72726059	46.08753204	0.198061123	0.004154419	277.744873	0.021048991	0.009428029	0.001821597	0.003554254	0.001339209	0.590890527	6.75289E-06	0.001200631	0.00196416	0.004331394	0.003609421
2049 May	0.006365978	0.070884541	9.45677E-06	5.806111813	46.70114517	0.200874299	0.004209217	281.3972168	0.02132836	0.009570196	0.001847451	0.003601308	0.001357031	0.598940551	6.8416E-06	0.001216481	0.001992491	0.004391295	0.003656739
2049 Jun	0.005239873	0.070852228	9.18698E-06	4.802502155	37.9615593	0.164434522	0.003412768	227.3819885	0.017399918	0.008935922	0.001516733	0.002953424	0.001104989	0.486341268	5.4765E-06	0.000987762	0.001700046	0.003888906	0.00295418
2049 Jul	0.004943973	0.069846414	9.0963E-06	4.506563187	35.66749954	0.153540567	0.003201699	212.8800354	0.016366411	0.008579436	0.001426585	0.002785743	0.00103926	0.451475888	4.83714E-06	0.00092517	0.001615192	0.003749589	0.002769814
2049 Aug	0.00519543	0.069924124	9.20167E-06	4.701721191	37.61330414	0.160685152	0.003375866	224.3630829	0.017237991	0.008561349	0.001500756	0.002933842	0.00109598	0.470854849	4.80422E-06	0.000972741	0.00168258	0.003873298	0.002923652
2049 Sep	0.005678118	0.068209171	9.20494E-06	5.056931973	41.39807129	0.173779026	0.003722805	246.5510559	0.018917693	0.008327874	0.001640555	0.003217469	0.001205882	0.505811214	4.56433E-06	0.001064169	0.001803341	0.004065949	0.003223181
2049 Oct	0.005860422	0.067579351	9.18135E-06	5.180380821	42.78962708	0.178119555	0.003857717	254.5515594	0.019527374	0.008240212	0.001689448	0.003318168	0.001245834	0.517401934	4.38499E-06	0.001097457	0.001842781	0.004117215	0.003332125
2049 Nov	0.005951262	0.067530394	9.20357E-06	5.2494874	43.49309921	0.180651933	0.003921799	258.6913757	0.019840885	0.008231174	0.001715844	0.003371335	0.001266223	0.524278224	4.36312E-06	0.001114679	0.001867082	0.004158719	0.003387692
2049 Dec	0.005965695	0.06753774	9.20907E-06	5.2609272	43.60555649	0.181077078	0.00393179	259.3589478	0.019891318	0.008231724	0.001720165	0.003379972	0.001269495	0.525438011	4.36375E-06	0.001117456	0.001871228	0.004166282	0.003396606
2050 Jan	0.005966737	0.067560166	9.21043E-06	5.261852741	43.61304092	0.181113139	0.003932461	259.4014587	0.019894643	0.008233033	0.001720478	0.003380523	0.001269707	0.525528371	4.36399E-06	0.001117638	0.00187159	0.004166886	0.003397163
2050 Feb	0.0059668	0.067582034	9.21094E-06	5.26200676	43.61315918	0.181123748	0.003932446	259.4000854	0.019894633	0.008233792	0.001720521	0.003380509	0.001269704	0.525542438	4.36407E-06	0.001117635	0.001871699	0.004166943	0.003397135
2050 Mar	0.005967462	0.067601062	9.21219E-06	5.262643814	43.6178093	0.181148574	0.003932851	259.4266357	0.01989672	0.008235072	0.001720725	0.003380856	0.001269836	0.525605321	4.36458E-06	0.001117751	0.001871955	0.004167413	0.003397477
2050 Apr	0.005983074	0.067784496	9.23642E-06	5.276442528	43.73181152	0.181625187	0.003943123	260.1040344	0.019948704	0.008256824	0.001725234	0.003389686	0.001273153	0.526983023	4.37601E-06	0.00112067	0.00187688	0.00417832	0.003406346
2050 May	0.006052486	0.068853714	9.35238E-06	5.338889122	44.23392105	0.183833033	0.003988053	263.0621948	0.020177182	0.008363429	0.001746115	0.003428415	0.001287764	0.533180237	4.4269E-06	0.00113346	0.001899886	0.004227771	0.003444975
2050 Jun	0.005336725	0.073373131	9.24127E-06	4.747115135	38.64576721	0.16371128	0.003468557	228.5237122	0.017657412	0.008196197	0.001555849	0.003009848	0.001126242	0.46820277	3.83556E-06	0.000988076	0.001739108	0.003921588	0.002990642
2050 Jul	0.004865772	0.071909636	9.0802E-06	4.333582878	34.98085022	0.148121119	0.003137764	206.3960114	0.016016386	0.007964509	0.001410376	0.002734388	0.001020339	0.423618704	3.47578E-06	0.000894538	0.001596891	0.003682928	0.002700955
2050 Aug	0.003255092	0.044797067	5.35108E-06	2.996435881	21.83085442	0.090506501	0.001945935	127.8879623	0.009916855	0.006224768	0.000860971	0.001672005	0.000640166	0.268970042	2.84049E-06	0.000549976	0.000974123	0.002527331	0.001651012
2050 Sep	0.001311575	0.015527096	1.27009E-06	1.38955307	6.014248848	0.022174433	0.000519838	33.53726196	0.002606272	0.00443014	0.00021382	0.000402025	0.000181944	0.085188679	2.09422E-06	0.000138518	0.000246419	0.001156297	0.000390069
2050 Oct	0.001429812	0.016058423	1.36517E-06	1.485350251	6.905131817	0.025592562	0.000600564	38.82247162	0.003007625	0.004502916	0.000249357	0.000470388	0.00020773	0.094756991	2.11242E-06	0.000160832	0.000280532	0.001219779	0.000460489
2050 Nov	0.001472553	0.016175589	1.39235E-06	1.520016193	7.236479282	0.026878264	0.000629999	40.79381561	0.003156917	0.004514955	0.000262207	0.000495971	0.00021737	0.098299935	2.12096E-06	0.00016909	0.000293237	0.001243869	0.000486759
2050 Dec	0.001479215	0.016197091	1.39702E-06	1.525394797	7.288346767	0.027079802	0.00063463	41.1023407	0.003180309	0.004516898	0.000264218	0.000499978	0.000218878	0.09885475	2.12215E-06	0.000170386	0.000295231	0.0012476	0.000490875
2051 Jan	0.001482512	0.01621188	1.39934E-06	1.528063774	7.314217567	0.027183099	0.000636929	41.25587463	0.003191963	0.004517711	0.000265233	0.000501975	0.000219628	0.099133208	2.12265E-06	0.000171031	0.000296251	0.001249425	0.000492925
2051 Feb	0.001482965	0.016221253	1.39981E-06	1.528475404	7.317510605	0.027199561	0.000637212	41.27466965	0.003193422	0.004518193	0.000265374	0.000502219	0.000219722	0.099173553	2.12281E-06	0.000171111	0.000296416	0.001249698	0.000493171
2051 Mar	0.001483392	0.016230116	1.40031E-06	1.528931856	7.319602966	0.027209381	0.000637389	41.28608704	0.003194325	0.00451959	0.000265458	0.000502359	0.000219783	0.099204272	2.12341E-06	0.000171159	0.000296521	0.001250057	0.000493306
2051 Apr	0.001487034	0.016272346	1.4038E-06	1.532694221	7.337562084	0.027277306	0.00063895	41.38716507	0.003202156	0.004530739	0.000266113	0.00050359	0.000220322	0.099449009	2.12862E-06	0.000171578	0.00029726	0.001253125	0.000494513
2051 May	0.001589943	0.017778985	1.51691E-06	1.621702194	8.114715576	0.030807186	0.000706676	45.90462494	0.003550806	0.004612591	0.000300621	0.00056301	0.000242902	0.108438507	2.15586E-06	0.000190722	0.000333254	0.001316629	0.000554329
2051 Jun	0.001884062	0.037312966	3.11072E-06	1.889219522	10.69849968	0.047547087	0.000925597	60.17972565	0.004770296	0.005305004	0.000456212	0.000783923	0.000317212	0.142511502	2.09312E-06	0.000257397	0.000540656	0.001634274	0.000748666
2051 Jul	0.001905976	0.039790403	3.49597E-06	1.907433987	10.87911129	0.048436292	0.000942972	61.20704269	0.004876273	0.005506966	0.000463972	0.000805787	0.000322597	0.144840077	2.10569E-06	0.000263323	0.000561197	0.001699084	0.00076332
2051 Aug	0.002000151	0.041343972	3.76257E-06	1.985790491	11.56799221	0.051069494	0.001011155	65.25447083	0.005196099	0.005648924	0.000489406	0.000857627	0.000342722	0.152834162	2.13517E-06	0.000281248	0.000584578	0.001755958	0.000817212
2051 Sep	0.002061667	0.042501688	3.98816E-06	2.029013634	12.06381512	0.052750885	0.001069587	68.18437195	0.005427527	0.005754208	0.000504697	0.000893824	0.000356588	0.158434644	2.11842E-06	0.000295229	0.00059927	0.001777012	0.000857193
2051 Oct	0.002118893	0.044696957	4.35112E-06	2.059257984	12.53499317	0.054094005	0.001139214	70.9414978	0.005652176	0.005958827	0.000515556	0.00092619	0.000368863	0.163953975	2.0689E-06	0.000310253	0.00061096	0.00177989	0.000895734
2051 Nov	0.002166276	0.045094535	4.42011E-06	2.096445799	12.89918423	0.055459313	0.001174607	73.0983552	0.00581756	0.006000272	0.000528894	0.000953798	0.000379311	0.167941824	2.07436E-06	0.000319678	0.000624373	0.001804212	0.000924624
2051 Dec	0.002178104	0.045110676	4.42649E-06	2.105896711	12.99224854	0.055816803	0.001182889	73.65352631	0.005859485	0.006001673	0.000532476	0.00096099	0.000382016	0.168925181	2.07609E-06	0.000322	0.000627868	0.001810607	0.000932051
2052 Jan	0.002178629	0.0451231	4.42722E-06	2.106360674	12.99616623	0.055836368	0.00118324	73.67586517	0.005861228	0.006002265	0.000532641	0.00096128	0.000382127	0.168973252	2.0762E-06	0.000322096	0.000628062	0.001810896	0.000932345
2052 Feb	0.00217892	0.045141768	4.42804E-06	2.106698036	12.99778175	0.05584963	0.001183371	73.68379211	0.005861918	0.006003392	0.00053273	0.000961386	0.00038217	0.169001892	2.07649E-06	0.000322133	0.000628204	0.001811137	0.00093244
2052 Mar	0.002180317	0.045177575	4.431E-06	2.108079433	13.00605297	0.055888593	0.001184115	73.73000336	0.005865627	0.006007419	0.000533082	0.00096199	0.000382411	0.169113591	2.07783E-06	0.000322336	0.000628638	0.001812298	0.000933021
2052 Apr	0.002183331	0.045243833	4.43719E-06	2.111010075	13.02399349	0.055967595	0.001185744	73.8313446	0.005873706	0.006015821	0.000533824	0.000963313	0.000382938	0.169349179	2.0807E-06	0.000322779	0.000629524	0.001814803	0.000934302
2052 May	0.002190316	0.048260052	4.54743E-06	2.129521847	13.04211712	0.057355512	0.001183862	73.67848969	0.005877561	0.006128953	0.000545807	0.000963244	0.000383357	0.171178833	2.09158E-06	0.000322646	0.000645621	0.001829508	0.000931287
2052 Jun	0.002113095	0.059253484	5.04283E-06	2.105350018	12.43381691	0.059727348	0.001115402	69.199646	0.005605742	0.006490168	0.000562641	0.000919083	0.000365361	0.169916287	2.0757E-06	0.000306311	0.000685906	0.001853612	0.000870063
2052 Jul	0.002226173	0.061112318	5.33955E-06	2.19615674	13.25273228	0.062817372	0.001189428	74.04601288	0.005987574	0.006665091	0.000593998	0.000984116	0.000389309	0.179003298	2.11877E-06	0.000327414	0.000717759	0.001936163	0.000934854
2052 Aug	0.002325428	0.062245265	5.52643E-06	2.27974391	13.97010231	0.065577187	0.001256447	78.27109528	0.006315837	0.006787311	0.000621163	0.001038579	0.000410285	0.18715252	2.15745E-06	0.000345629	0.000743922	0.001998213	0.00099088
2052 Sep	0.00241233	0.062476445	5.65612E-06	2.347003698	14.65224361	0.067934878	0.00132447	82.35209656	0.006627472	0.006836719	0.000644117	0.001090067	0.00042998	0.194438368	2.16418E-06	0.000363387	0.000765189	0.002039425	0.001045838
2052 Oct	0.002528384	0.062679246	5.74968E-06	2.437407494	15.56188679	0.07126224	0.001409402	87.78636169	0.007038555	0.006875098	0.000677238	0.001159693	0.000456243	0.204038486	2.1765E-06	0.000386526	0.000797341	0.002097792	0.001118808
2052 Nov	0.002557662	0.062769152	5.76923E-06	2.461275339	15.78697014	0.072134092	0.001429444	89.12435913	0.007139947	0.00688564	0.000685944	0.001177037	0.000462792	0.206455842	2.18309E-06	0.000392136	0.000805969	0.002114443	0.001136662
2052 Dec	0.002571551	0.062769033	5.77525E-06	2.472315073	15.89673901	0.072551265	0.001439186	89.78050232	0.007189368	0.00688595	0.000690137	0.001185528	0.000465984	0.207606196	2.18499E-06	0.000394872	0.000810028	0.002121846	0.001145457

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.002575333	0.062776141	5.77709E-06	2.475354671	15.92650223	0.072667532	0.001441822	89.95774841	0.00720275	0.006886315	0.000691285	0.001187823	0.000466848	0.207922325	2.18554E-06	0.000395612	0.000811161	0.002123871	0.001147831
2053 Feb	0.002576701	0.062797651	5.77879E-06	2.476570606	15.93628502	0.07271146	0.001442683	90.01431274	0.007207133	0.006887995	0.000691691	0.001188561	0.00046713	0.208038375	2.18613E-06	0.000395853	0.000811611	0.00212476	0.001148575
2053 Mar	0.002578896	0.062855713	5.78379E-06	2.47870183	15.94981384	0.072775483	0.001443902	90.09028625	0.007213238	0.006893986	0.000692287	0.001189565	0.000467525	0.2082178	2.188E-06	0.000396187	0.000812323	0.00212657	0.001149542
2053 Apr	0.002585754	0.063025445	5.79922E-06	2.485304594	15.99219799	0.072970182	0.001447735	90.329422	0.007232397	0.006912387	0.000694131	0.001192724	0.000468767	0.208772689	2.19382E-06	0.000397239	0.000814495	0.002132225	0.001152592
2053 May	0.0028462	0.069398701	6.08008E-06	2.7182827	18.0302639	0.083835751	0.001618397	101.9465408	0.008137393	0.007076222	0.000799165	0.00134736	0.000527738	0.233532697	2.22575E-06	0.000446435	0.000924858	0.0022858	0.001307042
2053 Jun	0.0027973	0.082519136	6.45984E-06	2.723025799	17.76288605	0.089416072	0.001570832	99.25746918	0.00800156	0.007292448	0.000846658	0.001326729	0.00051929	0.236998096	2.15375E-06	0.000437014	0.000993988	0.002300015	0.001270308
2053 Jul	0.002887995	0.084002957	6.68105E-06	2.801782846	18.40947723	0.092013314	0.001628292	103.0481644	0.008301706	0.007460533	0.000872049	0.001379157	0.000538267	0.244401217	2.20241E-06	0.000453532	0.001025135	0.002379956	0.001320574
2053 Aug	0.003104934	0.086012542	6.94515E-06	2.986364126	20.00320816	0.098443754	0.00177153	112.4193649	0.009022182	0.00766513	0.000935411	0.001501036	0.000584755	0.262356669	2.28147E-06	0.000493322	0.001089726	0.002516433	0.001444818
2053 Sep	0.003417465	0.086701795	7.14562E-06	3.240210295	22.41761589	0.107715979	0.001986725	126.7943268	0.010110349	0.007756592	0.001028088	0.00168717	0.000655053	0.288151145	2.34824E-06	0.000553517	0.001180782	0.002692343	0.001637044
2053 Oct	0.003602359	0.086502641	7.22448E-06	3.386189461	23.87556267	0.113126069	0.002117109	135.5272369	0.010767176	0.007762146	0.001082567	0.001799833	0.000697432	0.303333014	2.37429E-06	0.000589962	0.001233144	0.002789711	0.001754299
2053 Nov	0.003626884	0.086384922	7.23829E-06	3.404444456	24.07043839	0.113766089	0.002135665	136.7053223	0.010855386	0.007763807	0.001089026	0.001814752	0.000703052	0.305301726	2.3756E-06	0.000594964	0.001239096	0.002800825	0.00177021
2053 Dec	0.003634635	0.086371124	7.24125E-06	3.410531998	24.13183022	0.113992482	0.002141156	137.0735016	0.010883044	0.007763572	0.001091309	0.0018195	0.000704836	0.305937707	2.37658E-06	0.000596499	0.001241279	0.002804854	0.001775157
2054 Jan	0.003636584	0.086376265	7.24219E-06	3.412100077	24.14713287	0.114052795	0.002142518	137.1644592	0.010889911	0.00776381	0.00109189	0.001820672	0.000705278	0.306101322	2.37685E-06	0.00059688	0.001241861	0.002805866	0.001776377
2054 Feb	0.003637158	0.086395152	7.24314E-06	3.41265583	24.15110779	0.114075378	0.002142856	137.1865082	0.010891667	0.007764834	0.001092075	0.001820963	0.00070539	0.30615437	2.37712E-06	0.000596975	0.001242094	0.002806252	0.001776663
2054 Mar	0.003637319	0.086405233	7.24358E-06	3.412836075	24.15209198	0.114083141	0.002142936	137.1914673	0.010892091	0.007765364	0.001092131	0.00182103	0.000705417	0.306170762	2.37724E-06	0.000596998	0.001242176	0.002806378	0.001776724
2054 Apr	0.003645654	0.086606801	7.26025E-06	3.420672655	24.20738602	0.114346109	0.002147837	137.5052032	0.010917017	0.007783264	0.001094637	0.001825195	0.000707031	0.306873918	2.3827E-06	0.000598363	0.001245038	0.002812809	0.001780786
2054 May	0.003656252	0.088644668	7.34183E-06	3.438616276	24.25223732	0.115366444	0.002149699	137.5951538	0.010934357	0.007874818	0.001103562	0.001827537	0.000708283	0.308488995	2.39693E-06	0.000599095	0.001256848	0.002827443	0.001781185
2054 Jun	0.003291804	0.095564783	7.45644E-06	3.166196108	21.52791214	0.1085205	0.001893057	120.7931519	0.009708979	0.0079369	0.001030281	0.001622066	0.000628739	0.282720983	2.28414E-06	0.000530191	0.001203409	0.002669813	0.001556884
2054 Jul	0.003238974	0.094329692	7.58016E-06	3.109207392	21.15238571	0.105912387	0.00186211	118.7874908	0.009561204	0.007938687	0.001006121	0.001599591	0.00061806	0.277328581	2.26965E-06	0.000522225	0.001181075	0.002661306	0.001531901
2054 Aug	0.003328063	0.094313979	7.73036E-06	3.180265903	21.81944847	0.108026884	0.001927867	122.8037949	0.009868437	0.008000938	0.00102709	0.001649838	0.000637628	0.284424484	2.29573E-06	0.000539454	0.001198226	0.00270835	0.001585821
2054 Sep	0.003391964	0.093917802	7.82108E-06	3.229734421	22.31025505	0.109445266	0.001978362	125.7815781	0.010093975	0.008030765	0.001040954	0.00168649	0.000651942	0.289502531	2.30823E-06	0.000552305	0.001209271	0.002737713	0.001625983
2054 Oct	0.003410059	0.093210913	7.83471E-06	3.237376928	22.45651245	0.109441914	0.001998261	126.7282639	0.01016155	0.008034615	0.001041088	0.001696712	0.00065592	0.290627211	2.29992E-06	0.00055671	0.001207546	0.00273531	0.001639226
2054 Nov	0.003417575	0.092976861	7.84259E-06	3.240978003	22.51548767	0.109462067	0.002006136	127.1055756	0.010188781	0.008039084	0.001041332	0.001700842	0.000657531	0.291110575	2.29751E-06	0.000558468	0.00120715	0.002735066	0.001644472
2054 Dec	0.003435548	0.092943691	7.8486E-06	3.255155563	22.65761375	0.109989159	0.002018777	127.9575958	0.01025275	0.008038269	0.001046651	0.001711832	0.000661665	0.292584509	2.29997E-06	0.000562012	0.001212236	0.002744463	0.001655929
2055 Jan	0.003438108	0.092944831	7.84946E-06	3.257195234	22.677845	0.110067256	0.002020575	128.0782623	0.010261826	0.008038236	0.001047411	0.001713385	0.00066225	0.292797834	2.30028E-06	0.000562515	0.001212985	0.002745762	0.001657551
2055 Feb	0.003438155	0.092957743	7.84973E-06	3.25729394	22.67802429	0.110074162	0.002020575	128.078125	0.010261868	0.00803864	0.00104744	0.001713384	0.000662251	0.29280743	2.30032E-06	0.000562516	0.001213054	0.002745793	0.001657543
2055 Mar	0.00343893	0.092985474	7.85162E-06	3.258059263	22.68303871	0.110101938	0.002021013	128.1057587	0.010264115	0.008040647	0.001047683	0.001713755	0.000662395	0.292876482	2.30085E-06	0.000562638	0.001213356	0.002746412	0.001657897
2055 Apr	0.003445362	0.093163259	7.86637E-06	3.264171124	22.72541237	0.110309564	0.002024783	128.3446655	0.010283276	0.0080558	0.001049647	0.001716952	0.000663631	0.293426007	2.30517E-06	0.000563688	0.001215643	0.002751549	0.001660987
2055 May	0.00347527	0.09390755	7.93017E-06	3.292154074	22.9256916	0.111262165	0.002042616	129.4819031	0.010373852	0.008120263	0.001058747	0.001732115	0.000669478	0.295966953	2.32396E-06	0.000568657	0.001226048	0.00277481	0.001675761
2055 Jun	0.003173861	0.089263357	8.01609E-06	3.017931461	20.81278038	0.100626446	0.001853027	117.5105362	0.009475898	0.007974081	0.000955326	0.001593738	0.000608787	0.269403785	2.23512E-06	0.000519134	0.001145249	0.002697138	0.001521103
2055 Jul	0.003041239	0.08896593	8.16741E-06	2.905142307	19.79314804	0.095995463	0.001762464	111.5715485	0.009040302	0.008048922	0.000909615	0.001523888	0.000579471	0.2577793	2.2265E-06	0.000495044	0.001110086	0.002671094	0.00144281
2055 Aug	0.003141077	0.090815812	8.38581E-06	2.993643999	20.47841454	0.098867334	0.001825253	115.5423813	0.009353481	0.00823285	0.000937545	0.001576026	0.000599519	0.265998989	2.28146E-06	0.000512331	0.001139684	0.002743226	0.001495052
2055 Sep	0.003199324	0.090370908	8.44294E-06	3.038449526	20.92822075	0.100194849	0.001871655	118.2675934	0.009558023	0.008244814	0.000950556	0.001608844	0.000612586	0.270659596	2.28936E-06	0.000524017	0.001149033	0.002764521	0.001531857
2055 Oct	0.003259114	0.090448715	8.48586E-06	3.085832119	21.38392067	0.101837598	0.001914299	120.9864883	0.009763273	0.008273198	0.000966926	0.001643366	0.000625755	0.27551052	2.30095E-06	0.000535568	0.001164702	0.00279464	0.001568349
2055 Nov	0.003302634	0.090417393	8.50443E-06	3.120275259	21.72394371	0.103094682	0.001944999	123.0206299	0.009916197	0.008277924	0.00097956	0.001669442	0.000635624	0.279072732	2.30766E-06	0.00054408	0.001176738	0.0028169	0.001595703
2055 Dec	0.003321041	0.090367392	8.50842E-06	3.134719133	21.87015915	0.103635438	0.001958011	123.8978653	0.009981884	0.008275298	0.000985026	0.00168071	0.000639874	0.280582935	2.30978E-06	0.000547721	0.001181879	0.002826117	0.001607522
2056 Jan	0.00332211	0.090382874	8.50948E-06	3.135641813	21.87810898	0.103671186	0.001958723	123.9439697	0.009985427	0.008276223	0.000985344	0.001681303	0.0006401	0.280675799	2.31006E-06	0.000547918	0.00118223	0.002826708	0.001608134
2056 Feb	0.003322307	0.090403706	8.51023E-06	3.135900736	21.87919617	0.103684202	0.0019588	123.9485779	0.009985873	0.008277151	0.000985421	0.001681369	0.000640127	0.280699551	2.31023E-06	0.00054794	0.001182368	0.002826873	0.001608186
2056 Mar	0.003323331	0.090439968	8.51298E-06	3.136906385	21.8858242	0.103719883	0.001959383	123.98526	0.00998887	0.008279939	0.000985735	0.001681868	0.000640318	0.280789882	2.31096E-06	0.000548103	0.001182768	0.002827742	0.001608658
2056 Apr	0.003330682	0.090644725	8.53188E-06	3.143867016	21.93416786	0.10395138	0.001963705	124.2586594	0.01001092	0.008298386	0.000987921	0.001685577	0.000641731	0.281413078	2.31608E-06	0.000549313	0.001185405	0.002833995	0.001612203
2056 May	0.003299555	0.094882481	8.62246E-06	3.138284683	21.63922882	0.104842119	0.001931578	122.1064377	0.009867932	0.008431826	0.000994077	0.001659625	0.000632957	0.280723602	2.32211E-06	0.000540848	0.001196543	0.002826303	0.001581798
2056 Jun	0.002961883	0.104527734	8.54729E-06	2.907336473	19.04758453	0.100527592	0.001679823	105.7012939	0.008668998	0.008488144	0.000944302	0.001453258	0.000556872	0.258714169	2.21905E-06	0.000472835	0.001159235	0.002643605	0.001359885
2056 Jul	0.003064079	0.106447384	8.80047E-06	2.996577978	19.75423241	0.103409216	0.001743073	109.8202972	0.008995743	0.00869175	0.000972603	0.001509228	0.000577588	0.266994625	2.27774E-06	0.00049082	0.001191883	0.002728243	0.001414439
2056 Aug	0.003177278	0.107410364	8.98255E-06	3.090215206	20.5711174	0.106434196	0.001818671	114.6573868	0.009368562	0.008814209	0.001002833	0.001571241	0.000601462	0.276077569	2.32162E-06	0.000511503	0.001220077	0.00279635	0.001478983
2056 Sep	0.003300677	0.108152784	9.11809E-06	3.192414522	21.48945808	0.109941691	0.001903377	120.0913086	0.009783712	0.00891473	0.001037426	0.001641189	0.000628145	0.286201417	2.35906E-06	0.000534658	0.001254751	0.002868431	0.001551594
2056 Oct	0.003395628	0.106594898	9.09278E-06	3.258431435	22.26072121	0.112108842	0.001978293	124.8283691	0.010130348	0.008860183	0.001059926	0.001699375	0.000650315	0.2934919	2.35438E-06	0.000554498	0.001272326	0.002898508	0.001616195
2056 Nov	0.003437183	0.106287301	9.09916E-06	3.2896626	22.59018898	0.113195963	0.002009017	126.8225479	0.010278556	0.008853629	0.001070987	0.001724487	0.00065984	0.296796501	2.3576E-06	0.000562846	0.001282184	0.002916592	0.001643192
2056 Dec	0.003450101	0.106249325	9.10234E-06	3.299804688	22.69248962	0.113571018	0.002018132	127.4366989	0.010324555	0.008852232	0.00107478	0.001732381	0.000662816	0.297851652	2.35927E-06	0.000565397	0.001285764	0.002923164	0.001651476
2057 Jan	0.003450426	0.106265694	9.1033E-06	3.300138474	22.69450378	0.113583982	0.002018318	127.4473343	0.010325442	0.008853296	0.001074876	0.00173252	0.000662871	0.297882438	2.35949E-06	0.000565446	0.001285901	0.002923399	0.00165161
2057 Feb	0.003450584	0.106282212	9.10389E-06	3.300344706	22.69538116	0.113594346	0.002018381	127.4510803	0.010325803	0.008854032	0.001074939	0.001732573	0.000662893	0.297901422	2.35962E-06	0.000565464	0.001286011	0.002923531	0.001651653
2057 Mar	0.003452584	0.106350176	9.10927E-06	3.302287817	22.70845032	0.11366301	0.002019534	127.5238113	0.010331727	0.008859344	0.001075569	0.001733563	0.000663273	0.298076987	2.361E-06	0.000565788	0.001286784	0.002925224	0.001652592
2057 Apr	0.003460695	0.10660366	9.13073E-06	3.310062885	22.76174736	0.113931641	0.00202427	127.8227386	0.010355964	0.00888026	0.0010781	0.001737628	0.000664828	0.298778892	2.36656E-06	0.000567115	0.001289822	0.002932096	0.001656464
2057 May	0.003484026	0.10848733	9.22647E-06	3.337823391	22.89717674	0.115158245	0.002034822	128.4711609	0.01041526	0.008983844	0.001089208	0.001747153	0.000668744	0.301267475	2.38763E-06	0.000570209	0.001303822	0.002955475	0.001664324
2057 Jun	0.00306103	0.109969415	9.07223E-06	3.000983	19.74017334	0.104450658	0.001742198	109.5196991	0.00899879	0.008860189	0.000980675	0.00151104	0.000576942	0.268200636	2.27061E-06	0.000491057	0.001210273	0.002755709	0.001411669
2057 Jul	0.003108511	0.110685274	9.26057E-06	3.040989876	20.06648636	0.105477981	0.001771516	111.4753876	0.009157692	0.008993834	0.000990915	0.001540011	0.000586655	0.271725267	2.30767E-06	0.000499812	0.001226308	0.002812912	0.001438012
2057 Aug	0.00330456	0.1146551	9.64691E-06	3.217536449	21.43847275	0.111647516	0.001893867	119.3769608	0.009780694	0.009334794	0.001050513	0.001645289	0.000626704	0.288336724	2.40797E-06	0.000534063	0.001292704	0.002958805	0.001542153
2057 Sep	0.003494841	0.114661947	9.75855E-06	3.369993925	22.9087162	0.117065996	0.002027281	128.1629181	0.010443348	0.009381216	0.001104772	0.001757937	0.00066946	0.303872585	2.44588E-06	0.000570911	0.001344565	0.003059947	0.001660415
2057 Oct	0.00366895	0.113363892	9.76238E-06	3.502039909	24.30091667	0.121818185	0.002154134	136.5827179	0.011068708	0.009327112	0.001153235	0.001864608	0.000709826	0.317837149	2.45856E-06	0.000605869	0.001387944	0.003137729	0.001774523
2057 Nov	0.003708548	0.11330726	9.7783E-06	3.533354759	24.61013603	0.122950867	0.002181998	138.4348602	0.011207831	0.009330607	0.001164641	0.001888361	0.000718808	0.321063131	2.465E-06	0.000613606	0.001398791	0.00315815	0.001799496
2057 Dec	0.00371916	0.113280982	9.78125E-06	3.54171586	24.69385338	0.12325877	0.002189463	138.937027	0.011245471	0.009329939	0.001167752	0.001894813	0.000721242	0.321929842	2.46649E-06	0.000615693	0.001401732	0.003163581	0.001806274
2058 Jan	0.003722931	0.11326655	9.78151E-06	3.544660568	24.72398376	0.123370029	0.002192139	139.117981	0.011258979	0.009328919	0.001168859	0.001897128	0.000722116	0.322239459	2.46684E-06	0.000616442	0.001402773	0.003165383	0.001808721
2058 Feb	0.003723753	0.113274187	9.78185E-06	3.545354605	24.73035431	0.123398483	0.00219269	139.1552429	0.011261807	0.009329095	0.001169114	0.001897608	0.000722298	0.322311193	2.46697E-06	0.000616597	0.001403046	0.003165802	0.001809221
2058 Mar	0.003724688	0.113297537	9.78363E-06	3.546218634	24.73689651	0.123430654	0.002192363	139.1924286	0.011264754	0.009330599	0.001169408	0.001898105	0.000722487	0.322393119	2.46744E-06	0.000616758	0.001403391	0.003166489	0.001809709
2058 Apr	0.0037301	0.113465093	9.79788E-06	3.551385403	24.77280235	0.123611346	0.002196443	139.3941803	0.011281094	0.009344392	0.00117111	0.001900856	0.000723534	0.322862923	2.47103E-06	0.000617653	0.001405443	0.003171087	0.001812331
2058 May	0.003939601	0.11626368	9.85696E-06	3.731808901	26.42423058	0.131624669	0.002335949	148.9653473	0.012009501	0.009361836	0.001249772	0.002024709	0.000771347	0.341902971	2.49112E-06	0.000657399	0.001482461	0.003274173	0.00194092
2058 Jun	0.003807459	0.120726846	9.41531E-06	3.642451048	25.64974403	0.133162633	0.002242238	143.7687988	0.011615204	0.008978279	0.001262047	0.001957828	0.00074803	0.336335987	2.33659E-06	0.000633937	0.001491386	0.003142098	0.001873001
2058 Jul	0.003863717	0.121719576	9.59776E-06	3.691302061	26.03420258	0.13456969	0.002276816	146.0348816	0.011797545	0.009118724	0.001275863	0.001990053	0.000759388	0.340713859	2.37626E-06	0.000643982	0.001510081	0.003199864	0.001903244
2058 Aug	0.004026438	0.123459339	9.82904E-06	3.829375029	27.221632	0.13934727	0.002383958	153.0125885	0.012336077	0.009290631	0.001323022	0.002080882	0.000794034	0.354149491	2.4374E-06	0.000673732	0.001557782	0.003303334	0.001996363
2058 Sep	0.004110158	0.121710524	9.83365E-06	3.887006283	27.88247681	0.140855223	0.002451607	157.1109009	0.012635632	0.009263203	0.001338816	0.002130162	0.000813091	0.360271633	2.44146E-06	0.000691051	0.00156809	0.003329251	0.002052378
2058 Oct	0.004199542	0.120148309	9.82209E-06	3.949235678	28.59379005	0.142712295	0.00252159	161.4937592	0.012956377	0.009229543	0.001358233	0.002183824	0.000833563	0.366948605	2.44373E-06	0.000709462	0.001582966	0.003359629	0.002112217
2058 Nov	0.004225114	0.120093711	9.83589E-06	3.969257593	28.79059219	0.143396273	0.002539827	162.6751404	0.013045111	0.009236529	0.001365116	0.002198849	0.000839266	0.3689951	2.44853E-06	0.000714439	0.00158946	0.003372559	0.002128164
2058 Dec	0.004230892	0.120070666	9.83734E-06	3.973763943	28.83618164	0.143559009	0.002543924	162.9494171	0.013065626	0.009236027	0.001366765	0.002202362	0.000840591	0.36946243	2.44932E-06	0.00071558	0.001591003	0.003375463	0.002131874
2059 Jan	0.004232575	0.12006557	9.83748E-06	3.975082636	28.84955597	0.143608749	0.002545118	163.0295868	0.013071612	0.009235668	0.001367246	0.002203383	0.000840977	0.369600862	2.44948E-06	0.000715912	0.001591465	0.003376248	0.002132958
2059 Feb	0.004232646	0.120078556	9.83782E-06	3.975201845	28.84988213	0.143615976	0.002545133	163.030304	0.013071723	0.009236141	0.001367281	0.002203395	0.000840983	0.369612068	2.44954E-06	0.000715917	0.001591538	0.003376303	0.002132963
2059 Mar	0.004232679	0.120085649	9.838E-06	3.975261927	28.85001564	0.143619746	0.002545137	163.0304413	0.013071763	0.009236399	0.001367298	0.002203398	0.000840985	0.369617701	2.44958E-06	0.000715918	0.001591577	0.00337633	0.002132961
2059 Apr	0.004239984	0.120296389	9.85504E-06	3.982138872	28.89974976	0.143869117	0.00254952	163.3111267	0.013094286	0.009252444	0.001369661	0.002207192	0.000842433	0.37025708	2.45382E-06	0.000717151	0.001594338	0.003382157	0.002136632
2059 May	0.004262673	0.122864254	9.92842E-06	4.012457848	29.04075241	0.145612195	0.002558341	163.9157257	0.013151446	0.009341827	0.001385494	0.002216106	0.000846437	0.373220026	2.46727E-06	0.000719962	0.001612837	0.003400682	0.002143881
2059 Jun	0.004066968	0.128675744	9.88265E-06	3.882291555	27.50979614	0.143113524	0.00240864	154.2026825	0.012442012	0.009400566	0.001356538	0.002093845	0.000801584	0.360399514	2.42149E-06	0.00067959	0.001591584	0.003298928	0.002011824
2059 Jul	0.004236029	0.13276425	1.02598E-05	4.037106991	28.68393326	0.148628116	0.002512118	160.9174957	0.012976581	0.009734964	0.001409516	0.002184853	0.000835865	0.374906212	2.5137E-06	0.000708895	0.001653212	0.003434361	0.002100363
2059 Aug	0.004414606	0.136304706	1.05841E-05	4.197172642	29.95031929	0.154388085	0.002624651	168.2124786	0.013549687	0.010016015	0.001465227	0.002281605	0.000872783	0.390182883	2.59644E-06	0.000740395	0.001714138	0.0035617	0.002196911
2059 Sep	0.00450265	0.135968596	1.06566E-05	4.265616417	30.61412239	0.1564859	0.002689031	172.2146454	0.013850654	0.010060912	0.001486242	0.002331728	0.000892016	0.397061497	2.61728E-06	0.000757455	0.001733187	0.003605075	0.002251009
2059 Oct	0.004417709	0.130142063	1.04025E-05	4.164433002	30.02619362	0.151418403	0.002656772	169.1960144	0.013588636	0.009847069	0.001438338	0.002283541	0.000874287	0.387806475	2.5498E-06	0.000744938	0.001673225	0.003499684	0.002213136
2059 Nov	0.004446189	0.129385501	1.03911E-05	4.182852745	30.25525284	0.151886985	0.002680125	170.6296387	0.013692219	0.009828872	0.00144343	0.002300771	0.000880861	0.389820755	2.54891E-06	0.000750962	0.001676384	0.003507309	0.00223286

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.004455105	0.129329085	1.03919E-05	4.189718723	30.32644272	0.15213652	0.00268649	171.0595093	0.013724246	0.009826385	0.001445974	0.002306274	0.000882932	0.390538812	2.54986E-06	0.00075274	0.001678727	0.003511674	0.002238694
2060 Jan	0.00445542	0.12934427	1.03928E-05	4.190038681	30.32843208	0.152149096	0.002686673	171.0700684	0.013725122	0.009827351	0.001446067	0.002306412	0.000882987	0.390568703	2.55005E-06	0.000752789	0.001678859	0.003511891	0.002238829
2060 Feb	0.004455725	0.129365072	1.03937E-05	4.190382957	30.3303299	0.152164668	0.002686825	171.0795593	0.013725942	0.009828384	0.001446178	0.002306542	0.000883038	0.390600741	2.55026E-06	0.000752832	0.001679024	0.003512134	0.002238947
2060 Mar	0.00445701	0.129408881	1.03968E-05	4.191623211	30.33898354	0.152211353	0.002687584	171.1277161	0.013729838	0.009831415	0.001446602	0.002307192	0.000883288	0.390716314	2.55101E-06	0.000753045	0.001679536	0.003513148	0.002239574
2060 Apr	0.004467936	0.129726693	1.04222E-05	4.201900959	30.41340828	0.152585566	0.002694172	171.5474091	0.013763504	0.009855406	0.001450149	0.002312849	0.000885453	0.391675144	2.55724E-06	0.000754891	0.00168366	0.003521735	0.002245067
2060 May	0.004427288	0.134155571	1.04232E-05	4.190413952	30.07983208	0.153832078	0.002654471	169.1129608	0.013595982	0.00991374	0.00145978	0.00228285	0.000875516	0.39076224	2.54513E-06	0.000744767	0.001696602	0.003498515	0.0022111
2060 Jun	0.004020823	0.13817431	1.01269E-05	3.883500576	26.99437523	0.145191923	0.00236305	150.2427673	0.012184059	0.009772125	0.001370354	0.002041837	0.000785495	0.360565126	2.42916E-06	0.000665322	0.001613195	0.00326781	0.0019566
2060 Jul	0.004157672	0.142286003	1.04933E-05	4.012365818	27.91773415	0.149757653	0.002444386	155.4591827	0.012606003	0.010104912	0.001413778	0.002113557	0.000812469	0.372433007	2.51514E-06	0.000688412	0.00166572	0.003386065	0.002025026
2060 Aug	0.004250878	0.142505243	1.06463E-05	4.089307308	28.5939827	0.152000815	0.002509843	159.5029144	0.012916283	0.010195964	0.001435932	0.002164557	0.000832323	0.379801452	2.55282E-06	0.000705737	0.001685406	0.003440514	0.002079383
2060 Sep	0.004195525	0.135509118	1.04388E-05	4.015216827	28.26656723	0.147589043	0.002500356	158.1352844	0.012779578	0.009911756	0.001394585	0.002137504	0.000822986	0.37296921	2.50039E-06	0.000699489	0.001627457	0.003357825	0.002064037
2060 Oct	0.004284344	0.132760718	1.03795E-05	4.070902824	28.99358559	0.148986876	0.002573466	162.7156677	0.013108613	0.009829051	0.001410178	0.00219285	0.000843886	0.379135281	2.49436E-06	0.00071857	0.001636817	0.003381336	0.002127316
2060 Nov	0.004305692	0.131814227	1.03557E-05	4.082645416	29.17122459	0.149187654	0.002592296	163.8587036	0.013189217	0.009800609	0.001412722	0.002206269	0.000848964	0.380494475	2.49072E-06	0.000723341	0.001637295	0.003384339	0.002143234
2060 Dec	0.004324777	0.1317081	1.03581E-05	4.097424507	29.32329369	0.149726823	0.002605828	164.7758484	0.013257646	0.009796054	0.001418214	0.002218046	0.000853389	0.382034779	2.49297E-06	0.000727135	0.001642411	0.003393925	0.002155691
2061 Jan	0.004329091	0.131684199	1.03583E-05	4.100764275	29.35781097	0.149850801	0.002608893	164.9838562	0.013273144	0.009794698	0.00141945	0.00222071	0.00085439	0.382384986	2.49339E-06	0.000727994	0.001643574	0.003396013	0.002158518
2061 Feb	0.004329683	0.131693527	1.03585E-05	4.101284027	29.36237144	0.149873406	0.002609279	165.0101318	0.01327515	0.009794876	0.001419635	0.002221048	0.000854519	0.382438749	2.49349E-06	0.000728103	0.00164379	0.003396307	0.00215887
2061 Mar	0.004330484	0.131719798	1.03602E-05	4.102051258	29.36787224	0.149903372	0.002609758	165.0407867	0.013277611	0.009796525	0.001419899	0.002221457	0.000854676	0.382511586	2.4939E-06	0.000728238	0.001644109	0.003396894	0.002159271
2061 Apr	0.00434061	0.132032037	1.03845E-05	4.111662865	29.43647957	0.15025571	0.002615849	165.4259186	0.013308615	0.00981956	0.001423224	0.002226642	0.000856672	0.383407891	2.49974E-06	0.000729938	0.001647971	0.003404837	0.002164308
2061 May	0.004348037	0.136291221	1.03886E-05	4.13786459	29.486063	0.152930081	0.002609016	165.2948914	0.013313304	0.00986751	0.001447444	0.002226731	0.000857896	0.386395156	2.49441E-06	0.000729287	0.001675241	0.003408279	0.002161636
2061 Jun	0.003981999	0.136299968	9.89926E-06	3.844060421	26.83418465	0.144568056	0.00235454	149.3597565	0.012099694	0.009490765	0.0013638	0.002023118	0.000780611	0.358351618	2.34791E-06	0.000660932	0.001592767	0.003184342	0.001948856
2061 Jul	0.004122084	0.139548481	1.0233E-05	3.970686913	27.80212784	0.148940131	0.002440442	154.9226227	0.012542916	0.009776608	0.001406031	0.002098625	0.000808907	0.370167255	2.4267E-06	0.000685267	0.001641852	0.003298373	0.002022567
2061 Aug	0.004309706	0.143098474	1.0556E-05	4.137549877	29.14175606	0.154991746	0.00255959	162.6537018	0.013148385	0.010052072	0.001464716	0.002200711	0.00084793	0.386216074	2.50838E-06	0.000718573	0.001705016	0.003427911	0.002125312
2061 Sep	0.004451253	0.142329171	1.06213E-05	4.247584343	30.24393463	0.158685252	0.002661252	169.3088226	0.013646764	0.010061646	0.001502119	0.002285386	0.000880011	0.397453904	2.53408E-06	0.000746413	0.001739361	0.003499845	0.002215696
2061 Oct	0.004459849	0.136102483	1.03841E-05	4.220993996	30.40524864	0.156422198	0.002691362	170.8051605	0.013723586	0.009821687	0.001482964	0.002297155	0.000884296	0.39577511	2.48493E-06	0.000752298	0.001708255	0.003453419	0.002239006
2061 Nov	0.004474828	0.134304002	1.03281E-05	4.223143578	30.54421616	0.156070784	0.002708999	171.7909698	0.01378764	0.00976272	0.001480446	0.002307544	0.000888201	0.39626658	2.47426E-06	0.000756377	0.001702187	0.00344662	0.002253219
2061 Dec	0.004487811	0.134225011	1.03298E-05	4.233167171	30.64762688	0.156433284	0.002718225	172.4153137	0.013834197	0.009759596	0.001484143	0.002315555	0.00089121	0.397310376	2.47581E-06	0.00075896	0.00170562	0.003453131	0.002261712
2062 Jan	0.004494671	0.134185374	1.03302E-05	4.23847723	30.70245743	0.156628773	0.002723092	172.7459869	0.013858845	0.009757567	0.001486108	0.002319797	0.000892803	0.397865444	2.47655E-06	0.000760326	0.001707464	0.00345652	0.002266212
2062 Feb	0.004496219	0.134197235	1.03311E-05	4.239776134	30.71437836	0.156679809	0.00272413	172.81604	0.013864168	0.009758058	0.001486579	0.002320703	0.000893146	0.397998035	2.47686E-06	0.000760619	0.001707962	0.003457361	0.002267157
2062 Mar	0.004499491	0.134293512	1.03382E-05	4.242855549	30.73690224	0.156795397	0.002726119	172.9428253	0.013874309	0.009764785	0.001487658	0.0023224	0.000893799	0.398288995	2.47857E-06	0.000761175	0.001709209	0.003459815	0.002268823
2062 Apr	0.004510625	0.13463001	1.03638E-05	4.253374577	30.81289864	0.157185197	0.002732853	173.3700104	0.0139086	0.009789076	0.001491343	0.002328137	0.000896007	0.399276435	2.48472E-06	0.000763055	0.001713456	0.003468377	0.002274425
2062 May	0.004543482	0.135557145	1.0436E-05	4.284104824	31.03912163	0.158320948	0.002752914	174.6477356	0.014010692	0.009856635	0.001502146	0.002345254	0.000902586	0.402173698	2.50215E-06	0.000768659	0.001725775	0.003493234	0.002291224
2062 Jun	0.004041892	0.126731038	1.01777E-05	3.840125561	27.32236481	0.139995798	0.002422775	153.3833466	0.012385429	0.009550694	0.001324423	0.002080804	0.000795522	0.357013464	2.39864E-06	0.000679004	0.001562225	0.003282525	0.00200936
2062 Jul	0.003820738	0.122622743	1.01384E-05	3.64153862	25.66122246	0.131393388	0.002275864	143.9408722	0.011666684	0.009460591	0.001241565	0.001964585	0.000747824	0.336524725	2.36675E-06	0.00063937	0.001486528	0.003201997	0.001884514
2062 Aug	0.003890132	0.121381752	1.02105E-05	3.691574812	26.17949867	0.132453904	0.002328868	147.1674042	0.011906191	0.009459607	0.001253109	0.002002757	0.000763121	0.341431528	2.38605E-06	0.00065289	0.001490027	0.003227058	0.00192872
2062 Sep	0.003936837	0.118699864	1.01446E-05	3.715880156	26.56676865	0.132596046	0.002373857	149.698349	0.012081585	0.009377031	0.001255638	0.002030237	0.000774205	0.344255418	2.37583E-06	0.000663472	0.001484659	0.003222707	0.00196421
2062 Oct	0.003829587	0.11082121	9.74741E-06	3.585150003	25.81795692	0.125994518	0.002335383	145.8643341	0.011741903	0.009080361	0.001193342	0.001966322	0.000751365	0.33236748	2.28262E-06	0.000647537	0.001404053	0.003071575	0.001916045
2062 Nov	0.003849421	0.110633306	9.76014E-06	3.599536657	25.96371269	0.126358852	0.002350697	146.7527924	0.011807761	0.009094028	0.00119704	0.001976985	0.000755525	0.333822548	2.28664E-06	0.000651398	0.001407006	0.003078894	0.001928148
2062 Dec	0.003866033	0.110566318	9.76272E-06	3.612542391	26.09567261	0.126839638	0.002362387	147.5462189	0.011867066	0.009090814	0.001201919	0.001987183	0.000759365	0.335174531	2.28874E-06	0.00065468	0.001411579	0.003087304	0.00193894
2063 Jan	0.003871737	0.110548362	9.76348E-06	3.617033005	26.14099503	0.127008185	0.002366388	147.8181458	0.011887399	0.009089667	0.001203602	0.001990675	0.000760681	0.335642099	2.28943E-06	0.000655805	0.001413177	0.003090159	0.001942638
2063 Feb	0.003872868	0.110562116	9.76429E-06	3.618006706	26.14959526	0.127047136	0.002367133	147.8682251	0.011891231	0.009090267	0.001203954	0.001991326	0.000760928	0.335740775	2.28969E-06	0.000656015	0.001413561	0.003090793	0.001943312
2063 Mar	0.003873462	0.110585459	9.76588E-06	3.618591785	26.15351295	0.127069443	0.002367479	147.88974	0.01189299	0.009091843	0.001204146	0.001991616	0.00076104	0.335795134	2.29006E-06	0.000656111	0.001413805	0.003091266	0.001943591
2063 Apr	0.003878672	0.110737927	9.77908E-06	3.623477459	26.1886425	0.127241999	0.002370654	148.0879974	0.011908953	0.009104182	0.00120577	0.001994287	0.000762061	0.336248517	2.29315E-06	0.000656991	0.001415723	0.003095425	0.001946195
2063 May	0.003835342	0.114298284	9.83097E-06	3.606027842	25.80567932	0.1275547	0.002330275	145.464859	0.01172688	0.009206225	0.001206623	0.001962073	0.000750801	0.334277123	2.29704E-06	0.000646332	0.001420863	0.003080303	0.001909331
2063 Jun	0.003130857	0.119414538	9.28465E-06	3.06899786	20.48468971	0.11193452	0.001821193	113.1103973	0.009301624	0.008907785	0.00104698	0.001553102	0.000596065	0.280935109	2.11078E-06	0.00050937	0.001275812	0.002708079	0.001471834
2063 Jul	0.003104067	0.117747404	9.32237E-06	3.038968086	20.29474068	0.110188425	0.001804338	112.1834106	0.009230318	0.008896451	0.001030992	0.001544204	0.00059087	0.277660847	2.11526E-06	0.000505443	0.001263201	0.0027159	0.001460494
2063 Aug	0.003270231	0.120533161	9.6156E-06	3.185015678	21.48161507	0.115322173	0.001911188	119.070961	0.009768704	0.009137631	0.001080903	0.001634897	0.000625477	0.291675568	2.18826E-06	0.00053514	0.001316554	0.002830469	0.001552459
2063 Sep	0.003426096	0.119340144	9.68394E-06	3.306095123	22.69709015	0.119258426	0.002025002	126.431572	0.010318625	0.009131692	0.001120716	0.001727426	0.000660937	0.30400911	2.21626E-06	0.000565877	0.001350917	0.002904789	0.001652729
2063 Oct	0.003529812	0.117021494	9.62435E-06	3.376704454	23.53888893	0.121392556	0.002106245	131.6499176	0.010697071	0.009048788	0.001143463	0.001791225	0.000685217	0.311664343	2.21408E-06	0.00058749	0.001367302	0.002936832	0.00172463
2063 Nov	0.003568839	0.116726004	9.63056E-06	3.40632844	23.84554291	0.122400932	0.002134569	133.5065308	0.010835093	0.009044389	0.001153757	0.001814676	0.000694106	0.314740419	2.21896E-06	0.000595235	0.001376534	0.002954784	0.001749958
2063 Dec	0.003582501	0.116696194	9.63494E-06	3.417136431	23.95285797	0.122795813	0.00214412	134.1500244	0.010883371	0.009044196	0.001157746	0.001822959	0.000697228	0.315853626	2.22114E-06	0.00059791	0.00138033	0.002961938	0.001758706
2064 Jan	0.003591273	0.116658419	9.63589E-06	3.423995018	24.022686	0.123050518	0.002150301	134.569931	0.010914726	0.009042123	0.001160309	0.001828348	0.000699258	0.316568255	2.22217E-06	0.000599645	0.001382738	0.002966304	0.001764429
2064 Feb	0.003593736	0.116670124	9.63715E-06	3.426027298	24.04174232	0.123128466	0.002151972	134.6826477	0.010923261	0.009042716	0.001161053	0.001829805	0.000699809	0.316775799	2.22265E-06	0.000600115	0.001383497	0.002967643	0.001765956
2064 Mar	0.003596947	0.1167669	9.6449E-06	3.429054022	24.06360245	0.123239271	0.002153917	134.8056793	0.010933157	0.009049949	0.001162086	0.001831465	0.000700443	0.3170591	2.22446E-06	0.000600659	0.001384719	0.002970174	0.001767575
2064 Apr	0.003602234	0.116940431	9.65902E-06	3.434103966	24.09898376	0.123421766	0.002157079	135.0036774	0.010949218	0.00906323	0.001163797	0.001834154	0.000701471	0.317526489	2.22772E-06	0.000601541	0.001386765	0.002974525	0.001770171
2064 May	0.003658428	0.120592825	9.68613E-06	3.497187853	24.52022934	0.127124786	0.002185247	137.1502838	0.011123335	0.00911745	0.001198708	0.001863022	0.000713562	0.324126065	2.23594E-06	0.000610396	0.001423358	0.003003826	0.001798308
2064 Jun	0.003422425	0.125967681	9.34216E-06	3.335931778	22.78782463	0.124900095	0.002003802	126.1810379	0.01030559	0.008924149	0.001173208	0.001724266	0.000662884	0.309072375	2.13882E-06	0.000563053	0.001401174	0.002856032	0.001649426
2064 Jul	0.003521512	0.127387583	9.57139E-06	3.419936419	23.47976875	0.127520934	0.002066018	130.2572632	0.010626096	0.00909942	0.00119935	0.00177918	0.000683185	0.316903353	2.19276E-06	0.000580727	0.00143022	0.002934944	0.001704229
2064 Aug	0.003629389	0.127174482	9.69558E-06	3.503557205	24.27804756	0.130017653	0.002140439	135.0851135	0.010991318	0.009157442	0.001225231	0.001840121	0.000706557	0.325121582	2.22706E-06	0.000601057	0.001451346	0.002992436	0.001769878
2064 Sep	0.003779662	0.122688286	9.64024E-06	3.604728222	25.50203323	0.132541001	0.002262695	142.7709808	0.011547808	0.00901484	0.001252529	0.001932914	0.000742206	0.335855007	2.23058E-06	0.000632835	0.00146649	0.003038693	0.001876154
2064 Oct	0.003964195	0.121308669	9.67233E-06	3.745214224	26.95565414	0.137355775	0.002395987	151.5723114	0.012202696	0.008991816	0.001301696	0.002044648	0.00078439	0.350423455	2.25459E-06	0.000669498	0.001511241	0.003126706	0.001996373
2064 Nov	0.004023283	0.121253826	9.69612E-06	3.792344093	27.41795921	0.139082611	0.002437014	154.3388672	0.012410772	0.008995583	0.001319097	0.002080368	0.000797848	0.355256885	2.26496E-06	0.000681011	0.001528015	0.003158552	0.002033995
2064 Dec	0.004031653	0.121229067	9.69859E-06	3.798934698	27.4838295	0.139322177	0.002442884	154.7344208	0.012440417	0.008995212	0.001321521	0.002085458	0.000799764	0.355936408	2.26626E-06	0.000682654	0.001530316	0.003162918	0.002039382
2065 Jan	0.004037448	0.121199965	9.69916E-06	3.803445816	27.53000832	0.139488548	0.002446978	155.0124969	0.012461167	0.008993748	0.001323198	0.002089027	0.000801107	0.35640654	2.26694E-06	0.000683803	0.001531891	0.003165808	0.002043178
2065 Feb	0.004039582	0.121209919	9.70041E-06	3.805204868	27.54646301	0.139555141	0.002448426	155.1098938	0.01246855	0.008994388	0.001323841	0.002090289	0.000801583	0.356585503	2.26738E-06	0.00068421	0.001532545	0.003166994	0.002044499
2065 Mar	0.004043238	0.121320382	9.70904E-06	3.808652878	27.57144547	0.139682665	0.002450641	155.2504425	0.012479841	0.009002416	0.00132504	0.002092181	0.000802309	0.356909424	2.2694E-06	0.00068483	0.001533939	0.003169834	0.002046352
2065 Apr	0.004053666	0.121635668	9.73412E-06	3.818487406	27.6425209	0.140043944	0.002456955	155.6504059	0.012512004	0.009025706	0.00132846	0.002097571	0.000804376	0.357830971	2.27526E-06	0.000686594	0.001537906	0.00317801	0.002051622
2065 May	0.004146854	0.124853238	9.80322E-06	3.909059286	28.34399033	0.14444539	0.002511929	159.5245056	0.012816082	0.009102382	0.001370647	0.002148973	0.000824661	0.36709711	2.29602E-06	0.000702794	0.00158214	0.003231972	0.002103369
2065 Jun	0.003757763	0.127537891	9.53818E-06	3.611589432	25.37901497	0.135418683	0.00223152	141.5225983	0.011467617	0.00898601	0.001278413	0.001921273	0.000738389	0.337284297	2.20321E-06	0.000626925	0.00149927	0.003030738	0.001859226
2065 Jul	0.003902111	0.130507395	9.87282E-06	3.740686178	26.39027023	0.139842257	0.002321184	147.3715363	0.011931899	0.0092645	0.001321237	0.002001086	0.00076798	0.349372327	2.28201E-06	0.000652435	0.001549949	0.003150596	0.001937422
2065 Aug	0.004097385	0.13283214	1.01565E-05	3.908619404	27.81667137	0.145737812	0.002450063	155.7226868	0.012577939	0.009479274	0.001378947	0.002110006	0.000809588	0.365713328	2.35574E-06	0.000688117	0.001609433	0.003276365	0.00204974
2065 Sep	0.004155133	0.127548456	1.00047E-05	3.928977013	28.32962799	0.145180002	0.002511025	159.2316895	0.012813265	0.009298643	0.001376019	0.002147955	0.000824294	0.36842379	2.33171E-06	0.000702509	0.001594543	0.003263668	0.002099817
2065 Oct	0.00413452	0.119834676	9.72707E-06	3.870005608	28.23580933	0.140932173	0.002528815	159.3294983	0.012775771	0.009067495	0.00133748	0.002137563	0.000820809	0.363385856	2.27511E-06	0.000703039	0.001540719	0.003182183	0.002104611
2065 Nov	0.00415505	0.118902184	9.71687E-06	3.880974054	28.39363289	0.140965909	0.002547469	160.3550262	0.012847873	0.009059865	0.001338273	0.002149053	0.000825267	0.364568293	2.27495E-06	0.00070747	0.001539461	0.003184333	0.00211895
2065 Dec	0.004161607	0.118873239	9.71841E-06	3.886088848	28.44540596	0.141150102	0.0025521	160.6667328	0.012871178	0.009059156	0.001340143	0.002153053	0.000826773	0.365097255	2.27589E-06	0.000708764	0.001541216	0.003187679	0.002123206
2066 Jan	0.004171049	0.11883077	9.71956E-06	3.893466234	28.52058601	0.1414233	0.002558748	161.1190796	0.012904962	0.009056943	0.001342893	0.002158867	0.000828959	0.365865082	2.27704E-06	0.000710633	0.001543811	0.003192442	0.002129387
2066 Feb	0.00417321	0.118868575	9.72238E-06	3.895377159	28.53642273	0.141496599	0.002560139	161.210495	0.01291206	0.009059358	0.00134357	0.002160067	0.000829416	0.366053224	2.27779E-06	0.000711023	0.001544562	0.003193817	0.002130614
2066 Mar	0.004178821	0.119035639	9.73557E-06	3.900648832	28.57467461	0.141689956	0.002563561	161.4258575	0.012929345	0.009071758	0.001345384	0.002162954	0.000830525	0.366548568	2.28087E-06	0.000711974	0.001546669	0.003198113	0.002133456
2066 Apr	0.004186193	0.119249791	9.75282E-06	3.907550097	28.6250248	0.141941711	0.002568073	161.7098694	0.012952114	0.009087888	0.001347762	0.00216676	0.000831987	0.367197067	2.28491E-06	0.000713227	0.001549416	0.003203756	0.002137208
2066 May	0.004204785	0.120521829	9.82253E-06	3.928468466	28.73749733	0.142831594	0.002577317	162.2746735	0.013001862	0.009161124	0.001355872	0.002174815	0.000835239	0.369096011	2.29995E-06	0.000715874	0.001559491	0.003221222	0.002144298
2066 Jun	0.003620927	0.1182952	9.51596E-06	3.452589273	24.32840157	0.125709414	0.002169842	136.190979	0.011034989	0.008938123	0.001185976	0.001848915	0.000707727	0.320708394	2.18335E-06	0.00060592	0.001406844	0.002958898	0.00179254
2066 Jul	0.003754921	0.120237358	9.8596E-06	3.567863941	25.27015114	0.12927033	0.002253567	141.7457733	0.011474902	0.009199522	0.00122114	0.001926027	0.000735458	0.331317365	2.26312E-06	0.000630113	0.001450477	0.003081267	0.001867539
2066 Aug	0.00395091	0.122588083	1.01471E-05	3.735507727	26.69864082	0.135140821	0.002382247	150.1152954	0.012122317	0.009418801	0.001278829	0.002035343	0.000777111	0.347628206	2.3376E-06	0.000665874	0.001509905	0.00320804	0.001980284
2066 Sep	0.00406854	0.121397488	1.01773E-05	3.823966503	27.61484146	0.137925386	0.002469511	155.688858	0.012535914	0.009412009	0.001307269	0.002104799	0.000803681	0.356729507	2.35475E-06	0.000689234	0.001534023	0.003259389	0.002056682
2066 Oct	0.004177922	0.11825379	1.00846E-05	3.894850016	28.50967979	0.139877394	0.002557994	161.2905426	0.012938116	0.009299845	0.00132861	0.002172214	0.000829428	0.364528388	2.34724E-06	0.000712415	0.001547102	0.003286119	0.002134471

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.00420551	0.117461294	1.00628E-05	3.912679434	28.73396492	0.140352473	0.002580395	162.6952515	0.013038974	0.009273882	0.001333811	0.002189057	0.000835874	0.366482854	2.34565E-06	0.000718247	0.001550212	0.00329274	0.002153976
2066 Dec	0.004217571	0.117440172	1.00671E-05	3.922247887	28.82850075	0.140701652	0.002588811	163.261734	0.013081508	0.009274133	0.001337335	0.002196352	0.000838624	0.36746645	2.34765E-06	0.000720603	0.001553578	0.003299103	0.002161704
2067 Jan	0.004223085	0.117425486	1.00681E-05	3.926602125	28.87212181	0.140863925	0.002592671	163.5232697	0.013101088	0.009273373	0.001338951	0.002199712	0.000839891	0.367918074	2.34839E-06	0.000721686	0.001555121	0.003301895	0.002165278
2067 Feb	0.004224782	0.117459267	1.00706E-05	3.92812252	28.88445091	0.140922502	0.002593752	163.594101	0.013106612	0.009275513	0.001339485	0.002200644	0.000840246	0.368066967	2.34902E-06	0.00072199	0.001555725	0.003303002	0.002166227
2067 Mar	0.004227546	0.117543057	1.00773E-05	3.930725098	28.9032383	0.14101769	0.00259543	163.6997833	0.013115115	0.009281789	0.001340368	0.002202067	0.00084079	0.368310809	2.35058E-06	0.000722457	0.001556773	0.003305163	0.002167623
2067 Apr	0.004233629	0.117716178	1.00918E-05	3.936400175	28.94476891	0.141222343	0.002599154	163.9346008	0.013133947	0.009295264	0.001342301	0.002205226	0.000841997	0.368842572	2.35397E-06	0.000723494	0.00155903	0.00330992	0.00217073
2067 May	0.004192227	0.121860251	1.01709E-05	3.923391104	28.56108665	0.141750932	0.002558358	161.2566528	0.012950963	0.00942992	0.001344936	0.002172593	0.000830708	0.367201746	2.36385E-06	0.000712732	0.001566838	0.003298986	0.002132643
2067 Jun	0.003831518	0.126755118	9.94884E-06	3.659888744	25.77953529	0.134520158	0.002291554	144.1303101	0.011676674	0.009375164	0.001269304	0.001955515	0.00074969	0.340725005	2.28305E-06	0.00064063	0.001499728	0.003108997	0.001898572
2067 Jul	0.004031907	0.130139619	1.03216E-05	3.83530283	27.21253967	0.140671432	0.002419041	152.4619904	0.012329358	0.009679836	0.00132933	0.002066814	0.000791509	0.357506305	2.37444E-06	0.000676575	0.00156628	0.003256505	0.002010563
2067 Aug	0.004200774	0.130658433	1.05092E-05	3.970208645	28.4659462	0.14512147	0.002532567	159.9567719	0.012899394	0.009786068	0.0013747	0.00216292	0.000828114	0.370840371	2.42701E-06	0.000708143	0.001607463	0.003352298	0.002112572
2067 Sep	0.004310613	0.129581049	1.05528E-05	4.053771973	29.31924629	0.147714585	0.002613897	165.146698	0.013285707	0.00978553	0.001401075	0.002227773	0.000852935	0.37935859	2.44613E-06	0.000729903	0.001629937	0.003402774	0.002183771
2067 Oct	0.004312991	0.124946497	1.03612E-05	4.03106451	29.39571762	0.145847723	0.002634301	165.9863586	0.013320919	0.009614475	0.00138479	0.002231755	0.000854751	0.377760082	2.40919E-06	0.000733233	0.001603838	0.003359785	0.002197417
2067 Nov	0.00434777	0.124059737	1.03446E-05	4.054129124	29.67436028	0.14645569	0.002662155	167.725296	0.013446636	0.009591979	0.001391359	0.002252784	0.000862767	0.380237073	2.40933E-06	0.000740497	0.001608217	0.003370041	0.002221551
2067 Dec	0.004360346	0.124039054	1.03494E-05	4.064112663	29.77280807	0.146818832	0.002670929	168.315155	0.013490946	0.009592533	0.001395022	0.002260383	0.000865632	0.381261975	2.41148E-06	0.000742952	0.001611725	0.003376719	0.002229608
2068 Jan	0.004368415	0.124010302	1.03507E-05	4.070454121	29.83683968	0.147054285	0.002676593	168.6997223	0.013519704	0.009591062	0.00139738	0.002265325	0.000867493	0.381920606	2.41252E-06	0.000744543	0.001613965	0.003380804	0.002234873
2068 Feb	0.004370163	0.124038674	1.03527E-05	4.071990967	29.84980202	0.147114307	0.002677725	168.7746887	0.013525499	0.009592698	0.001397927	0.002266305	0.000867865	0.382073313	2.41306E-06	0.000744861	0.001614571	0.003381873	0.002235884
2068 Mar	0.004375342	0.124193653	1.03651E-05	4.076854706	29.88505554	0.147292092	0.002680877	168.9732056	0.013541448	0.009604307	0.001399592	0.002268972	0.000868888	0.382529646	2.41594E-06	0.000745738	0.001616518	0.003385883	0.002238509
2068 Apr	0.004396237	0.124791197	1.04146E-05	4.096344948	30.02770042	0.147997409	0.002693668	169.7792969	0.013606068	0.009650307	0.00140628	0.002279797	0.000873034	0.384358376	2.42749E-06	0.000749296	0.001624257	0.003402053	0.002249186
2068 May	0.004356464	0.128391117	1.04548E-05	4.082283974	29.67771339	0.148523912	0.002655429	167.3434601	0.013437724	0.009742003	0.001409242	0.002250023	0.000862737	0.382773429	2.43012E-06	0.000739334	0.001631362	0.003387904	0.002214705
2068 Jun	0.003731904	0.128812611	9.7676E-06	3.58874011	25.04660225	0.133483216	0.002215499	139.5059204	0.011327833	0.009263486	0.001258132	0.001895022	0.000728144	0.334235936	2.23431E-06	0.000620529	0.001485742	0.003032195	0.00183765
2068 Jul	0.003878737	0.128842205	9.9851E-06	3.704460144	26.1419487	0.137026012	0.002313573	146.1273499	0.011834378	0.009386512	0.001294609	0.00198326	0.000760313	0.345433146	2.29109E-06	0.000648534	0.001524057	0.003138467	0.001928364
2068 Aug	0.00407507	0.132146031	1.03245E-05	3.876924276	27.54733467	0.143137529	0.002439867	154.2800446	0.012471197	0.009664748	0.001354056	0.002090485	0.000801276	0.362032413	2.37538E-06	0.000683651	0.001587265	0.003272256	0.002037948
2068 Sep	0.004155066	0.130509362	1.03392E-05	3.933155537	28.16820145	0.144528925	0.002503068	158.1307526	0.012753378	0.009652258	0.00136865	0.002137078	0.000819244	0.367806345	2.38601E-06	0.000699907	0.001597241	0.003301227	0.002091183
2068 Oct	0.004237482	0.129451588	1.03473E-05	3.993356705	28.81367874	0.14638187	0.002564862	162.0780487	0.01304473	0.009641012	0.001387799	0.002186226	0.000837906	0.374060214	2.39558E-06	0.000716455	0.00161347	0.003335968	0.002145567
2068 Nov	0.004263731	0.129540652	1.03682E-05	4.014741421	29.01299286	0.147138789	0.002582901	163.2626038	0.013134607	0.009654609	0.001395339	0.002201515	0.000843697	0.376209229	2.40214E-06	0.000721452	0.001620958	0.003350865	0.002161694
2068 Dec	0.004268472	0.129562587	1.03721E-05	4.018636227	29.04896736	0.147278532	0.002586134	163.4759216	0.013150825	0.0096572	0.001396729	0.002204278	0.000844743	0.376600146	2.40337E-06	0.000722352	0.001622349	0.003353612	0.002164595
2069 Jan	0.004275161	0.129529059	1.03728E-05	4.023848534	29.10228157	0.147470891	0.002590858	163.796936	0.013174779	0.009655476	0.001398666	0.002208398	0.000846293	0.377143145	2.40415E-06	0.000723678	0.001624168	0.003356946	0.002169004
2069 Feb	0.004277934	0.12953487	1.03739E-05	4.02610302	29.12389374	0.147556201	0.00259276	163.9254303	0.013184473	0.009655816	0.001399494	0.002210058	0.000846919	0.377374262	2.40464E-06	0.000724213	0.001624996	0.003358434	0.00217076
2069 Mar	0.004278651	0.129546046	1.03747E-05	4.026730537	29.12921524	0.147580594	0.002593225	163.9562531	0.013186853	0.009656476	0.001399718	0.002210461	0.000847072	0.377436638	2.40486E-06	0.000724344	0.001625242	0.003358874	0.002171176
2069 Apr	0.004283756	0.129701987	1.03871E-05	4.031542301	29.16397858	0.147757709	0.002596316	164.1517639	0.013202581	0.009667975	0.00140139	0.002213096	0.000848082	0.377887964	2.40772E-06	0.000725207	0.001627189	0.00336287	0.002173765
2069 May	0.004330111	0.131412417	1.05044E-05	4.076688766	29.47609711	0.149500802	0.002623506	165.8778687	0.01334295	0.009780873	0.001417802	0.002236532	0.000857148	0.382120192	2.43462E-06	0.000732862	0.001646362	0.003399854	0.002196498
2069 Jun	0.003836726	0.126924098	1.02126E-05	3.66266799	25.77981949	0.133809894	0.002286962	144.2613678	0.011703031	0.009531902	0.001263421	0.001966042	0.000750375	0.340040207	2.33183E-06	0.00064163	0.00150535	0.003177756	0.001905173
2069 Jul	0.003918375	0.127594128	1.04383E-05	3.730643988	26.36006927	0.135695711	0.002338595	147.74646	0.011978398	0.009690804	0.001282381	0.002015417	0.000767564	0.346192539	2.3839E-06	0.000656785	0.001530903	0.003260332	0.001952831
2069 Aug	0.004064697	0.128408462	1.06267E-05	3.851925373	27.4393158	0.139712468	0.002437892	154.1510925	0.012468817	0.009810914	0.00132231	0.002097608	0.000799104	0.358051926	2.43443E-06	0.000683974	0.00156894	0.003346889	0.002039892
2069 Sep	0.004037335	0.124317169	1.04522E-05	3.809762001	27.27264595	0.137191683	0.002436376	153.4844208	0.012394261	0.009653869	0.001298893	0.002081982	0.000793966	0.354310215	2.39804E-06	0.000681041	0.001535447	0.003289299	0.002032624
2069 Oct	0.003901754	0.118649699	1.01691E-05	3.669534683	26.25369453	0.130472139	0.00236829	147.8604889	0.011935228	0.009470704	0.00123412	0.001998559	0.000763562	0.340765685	2.32981E-06	0.000657841	0.001458308	0.003150987	0.001958274
2069 Nov	0.003892101	0.117979124	1.01581E-05	3.657447577	26.16539574	0.129648909	0.002365734	147.3915558	0.011896008	0.009478503	0.001226071	0.001990513	0.000760819	0.339530885	2.3266E-06	0.000656157	0.001448609	0.003136414	0.001952111
2069 Dec	0.003899523	0.117959894	1.01604E-05	3.66330266	26.22363853	0.129861251	0.00237094	147.7410278	0.011922208	0.009478411	0.001228218	0.001995001	0.000762514	0.340133846	2.32777E-06	0.000657611	0.001450642	0.003140254	0.001956901
2070 Jan	0.00390057	0.117962442	1.01606E-05	3.664153099	26.23182106	0.129894286	0.0023716666	147.789505	0.011925848	0.009478418	0.001228519	0.001995618	0.000762748	0.34022218	2.32791E-06	0.000657812	0.001450949	0.003140742	0.001957564
2070 Feb	0.003900908	0.117973447	1.01607E-05	3.664478302	26.23437309	0.12991026	0.00237187	147.8036041	0.011926943	0.009478598	0.001228633	0.001995799	0.000762817	0.340255886	2.32796E-06	0.000657871	0.001451099	0.003140895	0.001957753
2070 Mar	0.003902568	0.1180299	1.01651E-05	3.666068077	26.24547768	0.129968807	0.002372863	147.865509	0.011931964	0.009482733	0.001229164	0.001996634	0.000763138	0.340403944	2.32895E-06	0.000658147	0.001451746	0.003142218	0.00195857
2070 Apr	0.003912651	0.118343942	1.01912E-05	3.675585032	26.31326294	0.130310178	0.002378969	148.2463989	0.011962728	0.009507259	0.001232352	0.002001776	0.000765104	0.341288954	2.33493E-06	0.000659842	0.001455544	0.003150294	0.001963611
2070 May	0.003876935	0.122006722	1.02544E-05	3.664927244	25.98432732	0.130851761	0.00234345	145.9375153	0.011805088	0.009619668	0.001235343	0.001973676	0.000755417	0.339952797	2.34257E-06	0.000650526	0.001463056	0.003140456	0.001930629
2070 Jun	0.003554497	0.127837792	1.00347E-05	3.437453747	23.50305367	0.125382483	0.002100147	130.5022583	0.010660866	0.009567061	0.001176788	0.00177866	0.000683125	0.31722945	2.26645E-06	0.000585337	0.001412834	0.0029693	0.001718471
2070 Jul	0.003688786	0.130004972	1.03131E-05	3.554292917	24.45764923	0.129328221	0.002185141	136.0767975	0.011098911	0.009788542	0.001215435	0.001853915	0.000711054	0.328281105	2.33327E-06	0.000609456	0.001456916	0.003075121	0.001793829
2070 Aug	0.003837867	0.131646648	1.05434E-05	3.680142164	25.53549194	0.133592367	0.002282865	142.4160767	0.011588846	0.00995811	0.001257703	0.001936227	0.000742514	0.34047097	2.39203E-06	0.000636542	0.001498961	0.003169737	0.001879764
2070 Sep	0.003823263	0.127573788	1.03926E-05	3.647679329	25.45999718	0.131325766	0.002290011	142.3019867	0.011556769	0.009823508	0.001236896	0.001928126	0.000740006	0.337646514	2.36158E-06	0.00063604	0.001469007	0.003122637	0.001880061
2070 Oct	0.003762545	0.124034017	1.02388E-05	3.579577684	25.0111084	0.127822086	0.002263507	139.9159851	0.01135591	0.009716485	0.001203454	0.001891208	0.000726537	0.331125528	2.32592E-06	0.000626232	0.001428384	0.003053644	0.001849009
2070 Nov	0.003787865	0.123641059	1.02361E-05	3.597748518	25.21156883	0.128380805	0.002282718	141.1464081	0.011446252	0.00970797	0.001209273	0.001906448	0.00073233	0.333034784	2.32787E-06	0.000631369	0.00143312	0.003063502	0.001866045
2070 Dec	0.003795054	0.123603359	1.02371E-05	3.603338003	25.26872444	0.128584579	0.002287806	141.4908295	0.011471956	0.009706383	0.001211346	0.001910866	0.000733993	0.333615839	2.32876E-06	0.000632794	0.001435049	0.003067105	0.001870782
2071 Jan	0.003796523	0.123601466	1.02373E-05	3.604507685	25.28032494	0.128628954	0.002288833	141.5601349	0.011477146	0.009706195	0.001211771	0.001911753	0.000734328	0.333737433	2.32894E-06	0.000633081	0.001435466	0.003067821	0.001871733
2071 Feb	0.003796516	0.123611726	1.02374E-05	3.604551077	25.28012466	0.128633395	0.0022888	141.5579529	0.01147702	0.009706467	0.00121178	0.001911725	0.000734319	0.333741575	2.32896E-06	0.000633072	0.001435509	0.003067813	0.001871699
2071 Mar	0.003796863	0.123628907	1.02385E-05	3.604909182	25.28235435	0.12864776	0.002288993	141.5698242	0.011478012	0.009707524	0.001211898	0.001911887	0.000734382	0.333774745	2.32919E-06	0.000633126	0.001435666	0.003068094	0.001871853
2071 Apr	0.003801099	0.123770177	1.02499E-05	3.608947039	25.31051254	0.128792763	0.002291538	141.7271423	0.011490785	0.009718451	0.001213253	0.001914012	0.000735198	0.334148645	2.3318E-06	0.00063383	0.001437282	0.003071517	0.001873931
2071 May	0.003729144	0.127165541	1.0238E-05	3.568445921	24.7281723	0.12850368	0.002231329	137.9106293	0.011216119	0.009768174	0.001208171	0.001866255	0.000718149	0.330019742	2.32135E-06	0.000617891	0.001435756	0.003035982	0.00182057
2071 Jun	0.003296355	0.130509466	9.86303E-06	3.242013454	21.47237396	0.119310781	0.001916193	118.0721359	0.009728855	0.009552559	0.001113955	0.001615902	0.000623585	0.297592461	2.20548E-06	0.000533551	0.001350354	0.002807618	0.001549485
2071 Jul	0.003333024	0.131078556	1.00276E-05	3.273714781	21.71455956	0.120017447	0.001937637	119.5285492	0.009848854	0.00967421	0.001121008	0.001638199	0.000630873	0.300206363	2.24127E-06	0.000540113	0.001362973	0.002857832	0.001569401
2071 Aug	0.003452266	0.133508191	1.02816E-05	3.38092351	22.54513931	0.123692796	0.002013696	124.3117752	0.010226622	0.009887751	0.00115633	0.001701117	0.000655112	0.310325474	2.30159E-06	0.000560977	0.001401158	0.002942878	0.001633623
2071 Sep	0.003479689	0.130126476	1.02014E-05	3.3881917	22.7936554	0.123024732	0.002046505	126.0773849	0.010342473	0.009774875	0.001151075	0.001718773	0.000662337	0.311333001	2.2891E-06	0.000568183	0.001387339	0.002930005	0.001659281
2071 Oct	0.003479556	0.127867013	1.01186E-05	3.375829458	22.81295586	0.121976577	0.002055785	126.3828888	0.010352134	0.009704441	0.001141745	0.001719192	0.00066268	0.310365349	2.27315E-06	0.000569467	0.001373251	0.002908512	0.001664516
2071 Nov	0.003477437	0.126883775	1.01044E-05	3.368145466	22.78639221	0.121223994	0.002059475	126.3119888	0.010341427	0.009705123	0.001134606	0.001716056	0.000661729	0.309600919	2.27013E-06	0.000569437	0.001364017	0.002896809	0.00166394
2071 Dec	0.003482834	0.126808465	1.01054E-05	3.372029305	22.82808304	0.121334739	0.002063579	126.5677032	0.010360274	0.009705212	0.001135755	0.001719206	0.000662931	0.31000191	2.27085E-06	0.000570517	0.001364957	0.002898975	0.001667478
2072 Jan	0.003482976	0.126823381	1.0106E-05	3.372209072	22.82876396	0.121342726	0.002063648	126.5704041	0.010360545	0.009706045	0.00113579	0.001719237	0.000662946	0.310018152	2.27098E-06	0.000570532	0.001365037	0.00289906	0.001667508
2072 Feb	0.003483063	0.126843512	1.01065E-05	3.372375011	22.82909203	0.121353336	0.002063653	126.5704651	0.010360635	0.009706762	0.001135837	0.001719241	0.000662949	0.310033619	2.27108E-06	0.000570535	0.001365145	0.00289913	0.0016675
2072 Mar	0.003483411	0.126865447	1.01076E-05	3.372756958	22.83124542	0.121369593	0.002063835	126.581459	0.010361581	0.009707991	0.00113596	0.001719392	0.000663009	0.310068876	2.27133E-06	0.000570586	0.001365322	0.002899419	0.00166764
2072 Apr	0.003490205	0.127118006	1.01274E-05	3.379359961	22.87570381	0.121608607	0.002067847	126.8274002	0.010381741	0.009727069	0.001138181	0.001722734	0.000664298	0.310675979	2.27577E-06	0.000571695	0.001368007	0.002905074	0.001670877
2072 May	0.00352549	0.128407821	1.02297E-05	3.413548946	23.10700035	0.122841403	0.002088737	128.1092682	0.010486682	0.009825362	0.001149714	0.001740147	0.000671014	0.313819975	2.29875E-06	0.000577473	0.001381868	0.002934429	0.001687764
2072 Jun	0.003245607	0.123594858	1.01284E-05	3.168411255	21.03753853	0.112692639	0.001900262	116.2838593	0.009587658	0.009674821	0.00105145	0.001596759	0.000611714	0.288564712	2.25469E-06	0.000527457	0.00129636	0.002840931	0.0015291 7
2072 Jul	0.003274242	0.123269901	1.02611E-05	3.187395811	21.22661018	0.112744868	0.0019169	117.520134	0.009685833	0.009747159	0.001053253	0.001615203	0.000617531	0.290001512	2.28367E-06	0.000532804	0.001299746	0.002879179	0.001546704
2072 Aug	0.003267201	0.120454721	1.0254E-05	3.174089193	21.1800499	0.11114005	0.001924251	117.4764709	0.009672564	0.009659369	0.0010379	0.001608735	0.000616611	0.288458019	2.28207E-06	0.000532445	0.001273005	0.002851628	0.001547087
2072 Sep	0.003240196	0.117579862	1.01824E-05	3.142246485	20.99064064	0.109049678	0.001918808	116.5722351	0.00959096	0.009560793	0.00101767	0.001591401	0.000611203	0.285295606	2.26589E-06	0.000528593	0.001243924	0.002809454	0.001535777
2072 Oct	0.003198966	0.113996319	9.99781E-06	3.088768721	20.70336342	0.106238104	0.001906153	115.1441193	0.009459704	0.009432723	0.000991283	0.001566316	0.000602321	0.280454844	2.22608E-06	0.000522681	0.001209424	0.002744492	0.001517882
2072 Nov	0.003226145	0.113403566	9.98353E-06	3.107145071	20.92001724	0.106762931	0.00192764	116.4862442	0.009556876	0.009417056	0.000996867	0.001582515	0.000608535	0.282435447	2.22592E-06	0.000528293	0.001213345	0.002752093	0.001536597
2072 Dec	0.00324019	0.113336042	9.9848E-06	3.118093967	21.03201485	0.107169122	0.001937541	117.1603775	0.009607181	0.009413389	0.001000997	0.001591175	0.000611794	0.283576965	2.22754E-06	0.000531077	0.001217198	0.002759114	0.001545894
2073 Jan	0.00324334	0.113329753	9.98525E-06	3.120590687	21.0569725	0.107263722	0.001939739	117.3097458	0.009618361	0.009412874	0.001001929	0.001593093	0.000612517	0.283836693	2.22793E-06	0.000531694	0.001218096	0.002760685	0.00154795
2073 Feb	0.003243512	0.113346741	9.98588E-06	3.120809555	21.05796051	0.107274659	0.001939813	117.3141098	0.009618769	0.009413632	0.001001996	0.001593154	0.000612542	0.283857048	2.22806E-06	0.000531715	0.001218211	0.002760822	0.001548002
2073 Mar	0.003244318	0.113381274	9.98845E-06	3.121615648	21.06310463	0.107304201	0.001940278	117.3421097	0.009621098	0.009416142	0.001002252	0.001593536	0.00061269	0.28393048	2.22863E-06	0.000531843	0.001218542	0.002761506	0.001548368
2073 Apr	0.003258666	0.113877945	1.0032E-05	3.135399818	21.15652084	0.107779577	0.001948871	117.8629074	0.009663742	0.009457207	0.001006686	0.001600602	0.000615406	0.285186529	2.23837E-06	0.0005342	0.001223926	0.002773644	0.001555245
2073 May	0.003372059	0.118117005	1.00519E-05	3.247733593	22.03915787	0.11374408	0.002013709	122.6975174	0.010041181	0.009494202	0.001064068	0.001664989	0.000640928	0.296967208	2.25167E-06	0.000553985	0.001283101	0.002834084	0.001620615
2073 Jun	0.003270542	0.123730965	9.83088E-06	3.196182489	21.33541679	0.1153396	0.001921632	117.8807297	0.009691968	0.00937336	0.001077047	0.001608407	0.000620363	0.292719007	2.19706E-06	0.000532401	0.0013026	0.002780118	0.001554118
2073 Jul	0.003346706	0.12515457	1.00236E-05	3.262453318	21.85928154	0.117449984	0.001968562	120.937355	0.009934509	0.009527221	0.001097849	0.001649888	0.000635728	0.29884541	2.24166E-06	0.00054575	0.001326387	0.002843121	0.00159552
2073 Aug	0.00347142	0.126870126	1.0244E-05	3.369284391	22.7470665	0.121040367	0.002049368	126.1326523	0.010338651	0.009696878	0.001133228	0.001717519	0.000661648	0.309086144	2.29607E-06	0.000568088	0.001362136	0.002925067	0.001666024
2073 Sep	0.00354084	0.124860264	1.02175E-05	3.41600728	23.30801582	0.122198164	0.002105833	129.6494446	0.010593065	0.009637665	0.001145722	0.00175976	0.000677935	0.314037144	2.29786E-06	0.00058268	0.001369081	0.002945368	0.001715241

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.003551565	0.121014208	1.00608E-05	3.403595924	23.43524361	0.120852843	0.002129012	130.7277527	0.010650609	0.009503878	0.001134289	0.001767809	0.000681235	0.313370764	2.26876E-06	0.000587101	0.001349548	0.002913385	0.001731881
2073 Nov	0.003573347	0.120209232	1.00384E-05	3.416624308	23.6130352	0.121131703	0.002147443	131.8568726	0.010730731	0.009480219	0.001137526	0.001781128	0.00068632	0.314823151	2.26655E-06	0.000591807	0.001350915	0.002917263	0.001747785
2073 Dec	0.003588798	0.120162003	1.00424E-05	3.428794384	23.73503113	0.121578462	0.002158263	132.5894012	0.010785603	0.009478783	0.001142049	0.001790561	0.000689871	0.316080719	2.26883E-06	0.000594845	0.001355206	0.002925302	0.001757884
2074 Jan	0.003599277	0.120108768	1.0043E-05	3.436958075	23.81884003	0.12188299	0.002165651	133.0939941	0.010823236	0.009475586	0.001145124	0.001797045	0.000692308	0.316933423	2.26996E-06	0.000596925	0.001358091	0.002930521	0.001764858
2074 Feb	0.003603299	0.120096996	1.00433E-05	3.440134764	23.85092354	0.122004263	0.002168461	133.2863464	0.010837613	0.009474533	0.001146319	0.001799519	0.000693239	0.317265034	2.27041E-06	0.000597719	0.001359241	0.002932528	0.001767516
2074 Mar	0.003604662	0.120146163	1.0047E-05	3.441455126	23.85995674	0.122052982	0.002169271	133.3363953	0.010841693	0.009478089	0.001146759	0.001800194	0.000693499	0.317387581	2.27125E-06	0.000597943	0.001359777	0.002933615	0.001768178
2074 Apr	0.003617633	0.120582253	1.00832E-05	3.453856707	23.94576263	0.122493848	0.002177067	133.815506	0.010880668	0.009512302	0.001150889	0.001806663	0.000695992	0.318531364	2.27943E-06	0.000600092	0.001364686	0.002944172	0.001774529
2074 May	0.00368101	0.126077503	1.0081E-05	3.532620668	24.43576241	0.127727374	0.002203257	136.1774139	0.011076433	0.009557401	0.001200116	0.001839882	0.00071006	0.326915115	2.28322E-06	0.000609504	0.001417424	0.002979151	0.001805637
2074 Jun	0.003439728	0.130185276	9.63284E-06	3.362918615	22.72319794	0.125399187	0.002018346	125.4261322	0.010267735	0.009252148	0.001174601	0.001705491	0.00066014	0.311274171	2.17136E-06	0.000562324	0.00139558	0.002830779	0.00165847
2074 Jul	0.003555187	0.132833377	9.92133E-06	3.466985464	23.51898193	0.128933892	0.002089227	130.0079193	0.010633397	0.009495921	0.001208748	0.001767962	0.000683419	0.320947409	2.2381E-06	0.000582421	0.001435872	0.00292718	0.001720292
2074 Aug	0.003757923	0.136301637	1.02553E-05	3.645658731	24.978405	0.135389298	0.002219791	138.4610748	0.011293102	0.009772982	0.00127142	0.001879232	0.000725918	0.33822903	2.32166E-06	0.000618785	0.001502891	0.00306433	0.00183483
2074 Sep	0.003913966	0.132145301	1.01837E-05	3.750939369	26.2522316	0.138302535	0.00234325	146.4221039	0.011870349	0.009633428	0.001302903	0.001976993	0.000762899	0.349489272	2.32344E-06	0.000651642	0.001524476	0.003118005	0.001946321
2074 Oct	0.004054416	0.128369421	1.01027E-05	3.843634605	27.39647865	0.140857682	0.002454621	153.5791321	0.012387642	0.009513129	0.001330765	0.00206476	0.000795949	0.359506816	2.32173E-06	0.000681274	0.001543991	0.003163887	0.002046633
2074 Nov	0.004246531	0.126748055	1.01001E-05	3.989990711	28.93920708	0.146131411	0.002592256	162.9273987	0.013081903	0.009437577	0.00138485	0.002184386	0.00084085	0.374841869	2.34006E-06	0.000719815	0.001593327	0.003256898	0.002176195
2074 Dec	0.00428129	0.126535833	1.01031E-05	4.016892433	29.21705818	0.14711675	0.002616863	164.6043701	0.013206906	0.009427233	0.001394901	0.002205939	0.000848942	0.377646655	2.34403E-06	0.000726735	0.001602674	0.003274385	0.0021994
2075 Jan	0.004287686	0.126503453	1.01037E-05	4.021872997	29.2680645	0.147300795	0.002621375	164.9115448	0.013229825	0.009425539	0.00139675	0.002209885	0.000850424	0.378165632	2.34478E-06	0.000728004	0.001604418	0.003277586	0.002203651
2075 Feb	0.004290751	0.126508355	1.01049E-05	4.024357319	29.29203606	0.147395179	0.002623481	165.0541687	0.013240574	0.009425759	0.001397665	0.002211727	0.000851118	0.378421009	2.3453E-06	0.000728596	0.001605332	0.00327922	0.002205616
2075 Mar	0.00429445	0.126591846	1.01117E-05	4.027710438	29.31824493	0.147519752	0.002625811	165.204071	0.013252385	0.009431818	0.001398845	0.002213714	0.000851878	0.37874341	2.34695E-06	0.000729246	0.00160665	0.003281813	0.002207638
2075 Apr	0.004310133	0.12698935	1.01443E-05	4.042121887	29.42752457	0.148048788	0.002635575	165.8256531	0.013301735	0.009461539	0.001403889	0.002221993	0.000855054	0.380113959	2.35469E-06	0.000731964	0.001612333	0.003293297	0.002215988
2075 May	0.004474419	0.12807934	1.02216E-05	4.179451466	30.70540047	0.153517827	0.002745606	173.3511658	0.013872596	0.00949413	0.001458218	0.002319911	0.000892228	0.394190729	2.38514E-06	0.000763258	0.001666197	0.00338429	0.002319483
2075 Jun	0.003943366	0.119630635	9.94278E-06	3.715671778	26.75295067	0.134584695	0.002390946	150.6392059	0.012140419	0.009192149	0.001274244	0.002038065	0.000778434	0.346769333	2.2842E-06	0.000667368	0.001498406	0.00316601	0.002012342
2075 Jul	0.003841257	0.118410908	1.00344E-05	3.627269983	25.94757843	0.130451694	0.002318885	146.0310211	0.011798436	0.009245295	0.001234191	0.001983884	0.000755476	0.337114275	2.2933E-06	0.000648379	0.001466266	0.003152139	0.001950006
2075 Aug	0.003950153	0.119579673	1.0216E-05	3.719553709	26.72925186	0.133487254	0.002390769	150.6310577	0.012154537	0.009376967	0.001264174	0.002043313	0.000778324	0.345984906	2.33874E-06	0.000668095	0.00149571	0.003221179	0.002012743
2075 Sep	0.004045013	0.119517617	1.02888E-05	3.795451164	27.44862938	0.13600637	0.002457965	154.9372406	0.012479556	0.009418816	0.001289323	0.002097948	0.000799231	0.353598148	2.36189E-06	0.000686294	0.001519314	0.003270872	0.002072045
2075 Oct	0.004069319	0.118089661	1.02465E-05	3.806767464	27.64320564	0.135982484	0.002481546	156.2166443	0.012566881	0.009385893	0.001289773	0.002111498	0.000804675	0.354943603	2.35602E-06	0.000691742	0.00151595	0.003266713	0.002090312
2075 Nov	0.004109506	0.117879719	1.02591E-05	3.837725163	27.95532608	0.137033135	0.002510462	158.098877	0.01270735	0.00938854	0.001300429	0.002135293	0.000813717	0.358128339	2.36231E-06	0.000699628	0.001525684	0.003285784	0.002116351
2075 Dec	0.004121033	0.117838636	1.02621E-05	3.846761703	28.04607391	0.137360185	0.002518587	158.6442261	0.012748157	0.009387699	0.001303741	0.002142282	0.000816356	0.359062016	2.364E-06	0.000701894	0.001528791	0.00329162	0.002123891
2076 Jan	0.00412283	0.117843129	1.02627E-05	3.848221064	28.06002617	0.137415603	0.002519827	158.7270355	0.012754392	0.009387927	0.001304264	0.002143341	0.000816758	0.35921222	2.36429E-06	0.000702239	0.001529317	0.00329252	0.002125031
2076 Feb	0.004123705	0.11788401	1.02652E-05	3.849113941	28.06574059	0.137451664	0.002520319	158.7577362	0.012756937	0.00939039	0.001304558	0.002143759	0.000816919	0.359295517	2.36484E-06	0.000702377	0.00152971	0.00329322	0.002125434
2076 Mar	0.004126273	0.117966078	1.02717E-05	3.851552725	28.08309364	0.137541026	0.002521866	158.855011	0.012764796	0.009396495	0.00130538	0.002145074	0.000817421	0.359523177	2.36633E-06	0.000702808	0.001530699	0.003295272	0.002126732
2076 Apr	0.004133969	0.118190885	1.02909E-05	3.858759165	28.13539696	0.137799621	0.002526556	159.1503754	0.012788553	0.009414162	0.00130782	0.002149063	0.000818942	0.360195816	2.37076E-06	0.000704116	0.001533575	0.003301418	0.002130684
2076 May	0.004085337	0.122178972	1.03528E-05	3.839221239	27.70038414	0.138095871	0.002481255	156.1763153	0.012582034	0.009535627	0.001308214	0.002112379	0.000806149	0.357937306	2.37689E-06	0.000692066	0.001538748	0.00328448	0.002088128
2076 Jun	0.003545693	0.127478421	9.94104E-06	3.435059547	23.56861115	0.126484305	0.002088541	130.9055634	0.01069104	0.009373898	0.001188337	0.00179021	0.00068577	0.317536801	2.24332E-06	0.000585436	0.001428057	0.00298747	0.001739282
2076 Jul	0.003575916	0.128219619	1.00965E-05	3.46181488	23.75379753	0.127048865	0.002105306	132.0022278	0.010783565	0.009495287	0.001193948	0.001807021	0.000691342	0.319677025	2.27654E-06	0.000590506	0.001437874	0.003028748	0.001754221
2076 Aug	0.003716877	0.13063924	1.0367E-05	3.586195469	24.75124931	0.131321043	0.002196143	137.787735	0.011237038	0.009713983	0.00123537	0.001882914	0.000720459	0.331527799	2.34206E-06	0.000615544	0.001481759	0.003126164	0.001832729
2076 Sep	0.003830581	0.130344614	1.04406E-05	3.675977468	25.62044716	0.134294331	0.002277205	143.0093536	0.011629741	0.009750187	0.001265226	0.001949128	0.000745715	0.340589732	2.36721E-06	0.000637547	0.001509509	0.00318453	0.001904861
2076 Oct	0.003833259	0.126764864	1.02923E-05	3.658898592	25.68187332	0.132838696	0.002293718	143.6711578	0.011657611	0.00962094	0.001252526	0.001951999	0.00074716	0.339394391	2.33895E-06	0.000640203	0.001488738	0.003149841	0.001915667
2076 Nov	0.003875899	0.125896379	1.02738E-05	3.688497305	26.02586365	0.13374266	0.002326663	145.7974243	0.011812417	0.009591837	0.001262096	0.001978164	0.000757098	0.342564672	2.33954E-06	0.000649014	0.001495976	0.00316445	0.001945435
2076 Dec	0.003895212	0.125805125	1.02769E-05	3.703562021	26.17927361	0.134294331	0.002340287	146.7210541	0.011881399	0.0095879	0.001267702	0.001990024	0.000761563	0.344129384	2.342E-06	0.000652834	0.001501211	0.003174199	0.001958237
2077 Jan	0.003898738	0.125791505	1.02773E-05	3.706326008	26.20728493	0.134397268	0.002342771	146.8892975	0.011893962	0.009587117	0.001268723	0.001992179	0.000762376	0.344417334	2.34241E-06	0.00065353	0.00150218	0.003175928	0.001960567
2077 Feb	0.003899002	0.125811324	1.02781E-05	3.70663166	26.20890236	0.134411409	0.0023429	146.8972168	0.011894656	0.009588083	0.001268821	0.001992288	0.000762419	0.344445854	2.3426E-06	0.000653567	0.00150233	0.003176141	0.001960667
2077 Mar	0.00389991	0.125845939	1.02805E-05	3.707520962	26.21494865	0.134445354	0.002343431	146.9305267	0.011897379	0.009590427	0.001269122	0.00199274	0.000762593	0.344528735	2.34315E-06	0.000653715	0.001502704	0.003176872	0.001961109
2077 Apr	0.003908755	0.126134992	1.03039E-05	3.715947151	26.27434921	0.134751856	0.002348736	147.263092	0.011924325	0.009612285	0.001272004	0.001997252	0.000764319	0.345311731	2.34847E-06	0.000655196	0.001506128	0.003184078	0.001965546
2077 May	0.003880014	0.12909016	1.03368E-05	3.707448244	26.01611328	0.135288641	0.002320138	145.4363098	0.011798942	0.009688334	0.001275492	0.001974863	0.0007567	0.344324291	2.35116E-06	0.000647746	0.001512744	0.003173552	0.001939265
2077 Jun	0.003506501	0.13125214	9.94014E-06	3.421448469	23.225145345	0.127218232	0.002051195	128.4736938	0.0105205	0.009446763	0.001193269	0.001759031	0.00067549	0.316192776	2.23754E-06	0.000575442	0.001435175	0.002961785	0.001706141
2077 Jul	0.003625584	0.133844078	1.02509E-05	3.528680325	24.05035973	0.130798981	0.002124408	133.2445221	0.010901901	0.00970451	0.001227821	0.001825056	0.000699686	0.326098263	2.30907E-06	0.000596389	0.001477893	0.003068101	0.001770907
2077 Aug	0.003765604	0.136580288	1.05347E-05	3.654184103	25.03466797	0.135158762	0.002213955	138.921463	0.011349079	0.00994027	0.001269796	0.001899828	0.000728412	0.338008046	2.37697E-06	0.000621059	0.001523267	0.003167375	0.001847839
2077 Sep	0.003727589	0.130474821	1.03113E-05	3.595693111	24.81378746	0.131528646	0.002211867	138.1054993	0.011254515	0.009702789	0.001236218	0.001880251	0.000721864	0.332695186	2.33082E-06	0.000617243	0.001475236	0.003093806	0.001839264
2077 Oct	0.00378657	0.1283319	1.02666E-05	3.631006956	25.28565025	0.132185921	0.002261931	141.1066742	0.011467917	0.009654085	0.001243962	0.001915361	0.000735351	0.33655715	2.32792E-06	0.000629851	0.001477788	0.00310458	0.001881728
2077 Nov	0.003826218	0.128264844	1.02829E-05	3.662432194	25.59510231	0.133318409	0.002289637	142.9612732	0.011607236	0.00965724	0.001255386	0.001939217	0.000744352	0.339778394	2.33489E-06	0.000637582	0.001488713	0.003125553	0.0019074
2077 Dec	0.003835028	0.128245831	1.02861E-05	3.669401407	25.66415787	0.133571386	0.002295796	143.375412	0.011638316	0.009657376	0.001257942	0.001944547	0.000746361	0.340494752	2.33635E-06	0.000639305	0.001491149	0.00313019	0.001913135
2078 Jan	0.003837432	0.128249571	1.02872E-05	3.671345234	25.68282509	0.133643687	0.002297454	143.4865265	0.011646695	0.009657771	0.001258646	0.001945978	0.000746902	0.340693742	2.33679E-06	0.000639768	0.001491848	0.003131467	0.00191467
2078 Feb	0.00383784	0.128269345	1.02882E-05	3.671766043	25.68554115	0.133661687	0.002297682	143.5010071	0.011647888	0.00965881	0.001258787	0.001946173	0.000746977	0.340733737	2.33702E-06	0.000639833	0.001492038	0.003131768	0.001914861
2078 Mar	0.00383849	0.128296554	1.029E-05	3.67241478	25.68981171	0.133686721	0.002298057	143.5243225	0.011649808	0.009660606	0.001259006	0.00194649	0.0007471	0.340793908	2.33743E-06	0.000639937	0.001492314	0.003132299	0.001915169
2078 Apr	0.003854583	0.128832966	1.03329E-05	3.687804222	25.79761887	0.134247839	0.002307695	144.1266937	0.011698681	0.009700868	0.001264283	0.001954656	0.000750234	0.342223138	2.34718E-06	0.000642622	0.00149857	0.003145393	0.001923208
2078 May	0.003794305	0.134883806	1.02692E-05	3.669903755	25.31460953	0.136104733	0.002247368	140.614502	0.011453085	0.009739869	0.001279167	0.001911242	0.000735901	0.340749115	2.32691E-06	0.000627593	0.001517223	0.003107889	0.001873078
2078 Jun	0.003499857	0.138108909	9.91581E-06	3.45153451	23.11209297	0.130720302	0.002031443	127.0575638	0.010433721	0.009542392	0.00122324	0.001737784	0.00067164	0.319524586	2.22877E-06	0.000569667	0.001463521	0.00292945	0.001685894
2078 Jul	0.003637717	0.141644463	1.0244E-05	3.577345133	24.05879974	0.135167703	0.002115546	132.4613953	0.010865152	0.009828915	0.001266055	0.001810594	0.000699257	0.331315011	2.30497E-06	0.000593354	0.001512261	0.00303755	0.00175891
2078 Aug	0.00376313	0.141907796	1.0405E-05	3.677344799	24.98080254	0.138292462	0.002200578	137.9902802	0.011286226	0.009920456	0.00129793	0.001881152	0.000726229	0.3410891	2.34812E-06	0.000616735	0.001540581	0.003109306	0.001835261
2078 Sep	0.003919018	0.140613601	1.04735E-05	3.79766345	26.19884109	0.142184645	0.002314039	145.380127	0.011838078	0.009914128	0.001337469	0.001974584	0.000761766	0.353337318	2.37658E-06	0.000647573	0.001575469	0.00318642	0.001938034
2078 Oct	0.004050596	0.137766153	1.04149E-05	3.888554573	27.27075386	0.144979864	0.002415267	152.0235748	0.012321913	0.009811394	0.001367247	0.002057192	0.000792821	0.363084048	2.3782E-06	0.000674985	0.001598702	0.003235657	0.002031384
2078 Nov	0.004088687	0.137248099	1.0415E-05	3.916333914	27.57284355	0.145863578	0.002443643	153.8730011	0.01245831	0.009800026	0.001376422	0.0020804	0.000801575	0.365987152	2.38193E-06	0.000682686	0.001606571	0.003252228	0.002057228
2078 Dec	0.004097644	0.137206048	1.04171E-05	3.923313141	27.64366341	0.146115035	0.002449969	154.2995911	0.012490194	0.009798866	0.001378977	0.002085878	0.000803636	0.366709173	2.3832E-06	0.000684456	0.001608969	0.003256813	0.002063155
2079 Jan	0.004106905	0.137136936	1.0417E-05	3.93042016	27.71805954	0.146375224	0.002456569	154.7494812	0.012523641	0.009795229	0.001381618	0.002091643	0.000805799	0.367453992	2.38408E-06	0.000686309	0.001611409	0.003261319	0.002069424
2079 Feb	0.004108787	0.137130946	1.04171E-05	3.931903839	27.73309135	0.146432102	0.002457887	154.8395691	0.012530368	0.009794656	0.001382165	0.002092798	0.000806234	0.367609292	2.38427E-06	0.00068668	0.001611943	0.00326223	0.002070678
2079 Mar	0.004111468	0.137184516	1.04214E-05	3.934304714	27.75241852	0.146522403	0.002459593	154.9507141	0.012539065	0.009798396	0.001383022	0.002094268	0.000806794	0.367842495	2.38535E-06	0.000687158	0.001612888	0.003264053	0.00207219
2079 Apr	0.00412185	0.137506887	1.04461E-05	3.944128275	27.82330322	0.146888733	0.002465871	155.3486633	0.012571071	0.009821386	0.001386485	0.002099624	0.000808854	0.368766725	2.39106E-06	0.000688913	0.001616889	0.003272095	0.002077529
2079 May	0.004153641	0.139145613	1.05441E-05	3.977342129	28.02773666	0.148241788	0.002483198	156.4337311	0.012662309	0.009920151	0.001399014	0.002114662	0.000814782	0.371835172	2.41274E-06	0.000693832	0.001631971	0.003299482	0.002091753
2079 Jun	0.003588208	0.132095918	1.00791E-05	3.493117094	23.8464222	0.12985608	0.002102718	132.1390381	0.010806	0.009508022	0.001219438	0.001809195	0.000693954	0.323113114	2.27157E-06	0.000590717	0.001463532	0.003027976	0.001761035
2079 Jul	0.003560157	0.130237341	1.01421E-05	3.460617781	23.63348007	0.127781019	0.002084797	131.1081085	0.010727311	0.009516508	0.001200464	0.001799093	0.000688134	0.319431335	2.28218E-06	0.00058645	0.001448027	0.003038678	0.001748138
2079 Aug	0.003713943	0.132241845	1.03943E-05	3.591963053	24.73928833	0.132281929	0.002184711	137.5845947	0.011229777	0.009708475	0.001244862	0.00188356	0.000720401	0.332110733	2.34536E-06	0.0006142	0.001493115	0.003138938	0.001836831
2079 Sep	0.003755173	0.128991067	1.03122E-05	3.608826876	25.08334732	0.131942451	0.002227455	139.9096985	0.011386725	0.009618214	0.001242927	0.001907905	0.000730185	0.334155202	2.33366E-06	0.000623944	0.001482935	0.003129557	0.001870463
2079 Oct	0.003786236	0.126382932	1.02297E-05	3.619404316	25.34488678	0.131612197	0.002260257	141.68927	0.011504991	0.009544988	0.001240947	0.001926389	0.000737499	0.335581303	2.32075E-06	0.000631431	0.001474843	0.003119465	0.001896314
2079 Nov	0.003781676	0.125310257	1.01978E-05	3.6095469	25.30861282	0.130858466	0.00226227	141.5639038	0.01148923	0.009527138	0.001233871	0.001922581	0.00073628	0.334666789	2.31413E-06	0.000631058	0.001465372	0.003105181	0.001895034
2079 Dec	0.003777624	0.124507338	1.01748E-05	3.601618052	25.27538681	0.130261838	0.0022634	141.4340363	0.01147474	0.009515517	0.001228243	0.001919223	0.000735186	0.333919883	2.3093E-06	0.000630644	0.001457952	0.003094054	0.001893572
2080 Jan	0.003779052	0.124508634	1.01749E-05	3.602764606	25.28656578	0.13030614	0.0022644	141.5004425	0.011479707	0.009515407	0.001228639	0.001920061	0.000735505	0.334039629	2.30945E-06	0.00063092	0.001458356	0.003094676	0.001894492
2080 Feb	0.003779448	0.124535352	1.01757E-05	3.603210926	25.28922081	0.130328849	0.002264603	141.5137482	0.011480821	0.009516341	0.001228784	0.001920237	0.000735574	0.334083527	2.30962E-06	0.000630979	0.001458581	0.003094914	0.001894665
2080 Mar	0.003779641	0.124553755	1.01763E-05	3.603453159	25.29035759	0.130341098	0.002264686	141.5188446	0.011481292	0.009517129	0.00122886	0.001920308	0.000735603	0.334106296	2.30976E-06	0.000631003	0.001458709	0.003095062	0.001894727
2080 Apr	0.003785796	0.124763899	1.0193E-05	3.609356403	25.33143425	0.130556569	0.002268355	141.7479553	0.011499915	0.00953284	0.001230869	0.001923418	0.000736795	0.334653676	2.31354E-06	0.000632025	0.001461116	0.003100103	0.001897791
2080 May	0.003825684	0.126120627	1.02993E-05	3.647605181	25.59860992	0.131962866	0.002292124	143.2383881	0.011620943	0.009632819	0.001244114	0.001943651	0.000744563	0.338208646	2.33768E-06	0.000638664	0.001476795	0.003132615	0.001917736
2080 Jun	0.003502432	0.120690212	1.01424E-05	3.364481211	23.20092392	0.120317452	0.002076227	129.4992981	0.010573619	0.00944927	0.001131103	0.001774516	0.000675639	0.309192628	2.27925E-06	0.000580629	0.001375519	0.003008441	0.001731186
2080 Jul	0.003412433	0.118777767	1.01749E-05	3.281297922	22.50636864	0.116395004	0.002014405	125.604805	0.010278804	0.009439168	0.001093967	0.001727481	0.000655858	0.300345153	2.27807E-06	0.000564299	0.001341352	0.002985023	0.001678739
2080 Aug	0.003492462	0.119438276	1.03269E-05	3.347151756	23.0665741	0.118335269	0.002067296	128.9325714	0.010535971	0.009541489	0.001113567	0.001769542	0.000672285	0.306577474	2.31498E-06	0.000578581	0.001358093	0.003032376	0.001724527

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.003523477	0.117341146	1.02911E-05	3.364379168	23.32178307	0.118293099	0.002098914	130.6187134	0.010652481	0.009475937	0.001113666	0.001786741	0.000679734	0.308437079	2.31118E-06	0.000585583	0.001350876	0.003026245	0.001748726
2080 Oct	0.003578428	0.115185186	1.0215E-05	3.396393776	23.76826668	0.118938163	0.002147028	133.4547119	0.010851575	0.009408959	0.00112118	0.001818891	0.000692396	0.312090337	2.30161E-06	0.000597453	0.001352207	0.003027995	0.001789097
2080 Nov	0.003600594	0.11391975	1.01747E-05	3.406761169	23.94269562	0.118910491	0.002168877	134.5972137	0.010929191	0.009382854	0.001121451	0.001830616	0.00069723	0.313328892	2.29584E-06	0.00060237	0.001348842	0.00302242	0.001805516
2080 Dec	0.003618426	0.113769956	1.01748E-05	3.420260668	24.08395958	0.119380005	0.002181855	135.4526215	0.010992599	0.009378267	0.001126248	0.001841395	0.000701323	0.314741403	2.29756E-06	0.000605925	0.001353087	0.003030249	0.001817464
2081 Jan	0.003619991	0.113780856	1.01757E-05	3.421563864	24.09591484	0.119429998	0.002182919	135.5229645	0.010997931	0.009378869	0.001126708	0.001842296	0.000701666	0.314874291	2.29788E-06	0.00060622	0.001353567	0.003031057	0.001818435
2081 Feb	0.003620083	0.113801226	1.01762E-05	3.42173481	24.09627724	0.119440794	0.002182928	135.5231934	0.010998039	0.009379602	0.001126757	0.001842302	0.000701671	0.314890206	2.29798E-06	0.000606223	0.001353677	0.003031132	0.001818429
2081 Mar	0.00362081	0.113833673	1.01784E-05	3.422469139	24.10098648	0.119469061	0.002183341	135.5487061	0.011000155	0.00938176	0.001126994	0.001842651	0.000701805	0.314957887	2.29847E-06	0.000606339	0.001353991	0.00303174	0.001818766
2081 Apr	0.003630365	0.114132591	1.0204E-05	3.431499481	24.16507912	0.119790733	0.00218911	135.9089966	0.011029308	0.009405405	0.001129982	0.001847531	0.000703665	0.315794706	2.30428E-06	0.000607943	0.001357591	0.003039542	0.001823605
2081 May	0.00351524	0.121016905	1.0224E-05	3.373291492	23.20114517	0.119816817	0.00208929	129.4749756	0.010571488	0.009549252	0.001125555	0.001766931	0.00067531	0.309717	2.295E-06	0.000581359	0.001360403	0.002984166	0.001731797
2081 Jun	0.003286284	0.125758618	1.00139E-05	3.214681625	21.44914818	0.116490789	0.001915445	118.4904556	0.009756218	0.009485945	0.001089141	0.001627299	0.000624121	0.294121116	2.23078E-06	0.000534806	0.001328744	0.00285275	0.001578406
2081 Jul	0.003422481	0.129858136	1.03806E-05	3.342525005	22.36767197	0.121017054	0.001997355	123.6773529	0.010175489	0.00981706	0.001132106	0.001698087	0.000650907	0.305952609	2.31417E-06	0.000557828	0.001380105	0.002967103	0.001648332
2081 Aug	0.003587839	0.133633047	1.07348E-05	3.492707014	23.52069283	0.126344934	0.002101165	130.2820129	0.010698874	0.010124402	0.001183209	0.001785969	0.000684508	0.320163041	2.39788E-06	0.000586661	0.001437139	0.003089384	0.001738039
2081 Sep	0.003703261	0.132342786	1.07689E-05	3.580408812	24.42604637	0.129101574	0.002186954	135.7965851	0.011108452	0.01010416	0.001211314	0.001854752	0.000710893	0.329147339	2.41563E-06	0.000609658	0.001460405	0.003140825	0.001815191
2081 Oct	0.003808512	0.130846933	1.07481E-05	3.656928539	25.26856613	0.131621853	0.002265678	140.9512177	0.01148733	0.010054491	0.001237487	0.001919126	0.000735285	0.337239385	2.42172E-06	0.000631031	0.001482283	0.003183046	0.001887577
2081 Nov	0.003843477	0.129016861	1.06765E-05	3.675378799	25.57003975	0.131969482	0.002296987	142.9000244	0.011622579	0.009979004	0.001242008	0.001941656	0.000743909	0.33946237	2.41133E-06	0.000638996	0.001482412	0.003183783	0.001915569
2081 Dec	0.003850173	0.128829122	1.06729E-05	3.679694176	25.62320328	0.132071897	0.002302469	143.2332458	0.011646533	0.009974938	0.001243132	0.001945612	0.000745431	0.339927346	2.41127E-06	0.000640396	0.001483047	0.003185382	0.001920287
2082 Jan	0.003852226	0.128826201	1.06731E-05	3.681324244	25.63942337	0.13213411	0.0023039	143.3300934	0.011653773	0.009974591	0.001243718	0.001946844	0.000745897	0.340097576	2.41149E-06	0.000640797	0.001483624	0.003186332	0.001921637
2082 Feb	0.003852762	0.128854662	1.06742E-05	3.681889772	25.6430378	0.132160112	0.002304204	143.3490753	0.011655334	0.009975833	0.001243906	0.001947097	0.000745996	0.340152353	2.41175E-06	0.000640881	0.00148389	0.003186691	0.001921887
2082 Mar	0.003854124	0.12891084	1.06781E-05	3.683242798	25.65196228	0.13221167	0.002304991	143.3978729	0.011659352	0.009979642	0.001244357	0.001947761	0.000746252	0.340277523	2.41262E-06	0.0006411	0.001484461	0.003187813	0.001922536
2082 Apr	0.003861371	0.129159585	1.06982E-05	3.69019866	25.70010185	0.132463068	0.002309308	143.6663208	0.011681211	0.009998588	0.001246704	0.001951409	0.00074765	0.34092024	2.41718E-06	0.000642301	0.00148728	0.003193806	0.001926132
2082 May	0.003897077	0.130355909	1.07967E-05	3.7243347	25.93793678	0.133691922	0.002330655	144.9955444	0.011789267	0.010090657	0.001258265	0.00196946	0.000754568	0.344076246	2.43943E-06	0.000648241	0.001501062	0.003223277	0.001943954
2082 Jun	0.003611581	0.118653998	1.03533E-05	3.443132401	24.0322361	0.121825978	0.002155221	134.7377625	0.010971113	0.009535201	0.001147454	0.001845716	0.000700316	0.316482753	2.33098E-06	0.000602905	0.001396245	0.003104258	0.001809486
2082 Jul	0.003422145	0.114366286	1.02538E-05	3.270577431	22.64070129	0.114453107	0.002029756	126.8931961	0.010368894	0.009392571	0.001077048	0.001749646	0.000660461	0.298825234	2.29572E-06	0.000569542	0.00133133	0.003033687	0.001703599
2082 Aug	0.003530357	0.116377302	1.04996E-05	3.366965771	23.38932991	0.117603503	0.002099239	131.228241	0.010711264	0.009590886	0.001107417	0.001806466	0.000682362	0.307842463	2.3533E-06	0.000588481	0.001363677	0.003111429	0.00176274
2082 Sep	0.003580256	0.116410978	1.05673E-05	3.40743041	23.74705696	0.118731514	0.002135784	133.3647766	0.010873656	0.009644287	0.001118395	0.001832556	0.000692727	0.311754286	2.37102E-06	0.000597766	0.001373164	0.003135511	0.001792304
2082 Oct	0.003543257	0.112520091	1.03291E-05	3.356570482	23.51284027	0.116180912	0.002127482	132.2587433	0.01076271	0.009462924	0.001094741	0.001810325	0.000685372	0.307407439	2.32127E-06	0.000592927	0.001338565	0.003061676	0.001778771
2082 Nov	0.003593804	0.112280995	1.03382E-05	3.395797014	23.91019058	0.117579833	0.002163552	134.6501617	0.010941079	0.009457832	0.001108927	0.001840687	0.000696901	0.311476111	2.32783E-06	0.000602877	0.001351536	0.003085562	0.001812172
2082 Dec	0.003613947	0.112206668	1.03414E-05	3.411610842	24.07001305	0.11816638	0.00217771	135.610199	0.011012835	0.009454012	0.001114872	0.001853009	0.000701551	0.313119411	2.33038E-06	0.000606849	0.001357092	0.003095653	0.001825576
2083 Jan	0.0036158	0.112213202	1.03423E-05	3.413125515	24.08433533	0.118223682	0.002178981	135.6950531	0.011019244	0.009454414	0.001115421	0.001854099	0.000701964	0.313274473	2.33072E-06	0.000607204	0.001357642	0.003096616	0.001826755
2083 Feb	0.003616592	0.112248905	1.03447E-05	3.413926601	24.08945847	0.118254647	0.002179429	135.7227783	0.011021549	0.009456779	0.001115678	0.001854479	0.00070211	0.313348293	2.33125E-06	0.000607329	0.001357988	0.003097288	0.001827122
2083 Mar	0.003618426	0.112312086	1.035E-05	3.415688276	24.10158539	0.118317403	0.002180518	135.790451	0.011027075	0.009461751	0.001116251	0.001855405	0.000702461	0.313510031	2.33245E-06	0.000607633	0.001358704	0.003098858	0.00182803
2083 Apr	0.003628047	0.112614229	1.03776E-05	3.424787283	24.16562271	0.118633591	0.002186306	136.1508789	0.011056362	0.009487004	0.001119224	0.00186033	0.000704326	0.31434527	2.33866E-06	0.000609246	0.001362332	0.003107096	0.00183288
2083 May	0.003738804	0.117184557	1.04145E-05	3.536552906	25.00856209	0.124514818	0.002249597	140.714035	0.011414639	0.00955044	0.001175406	0.001920172	0.000728625	0.325983077	2.35467E-06	0.000628091	0.001419463	0.003162059	0.001895084
2083 Jun	0.003512227	0.122693501	9.98349E-06	3.385017395	23.36435699	0.123025104	0.002074419	130.2140198	0.010627924	0.00930155	0.001157059	0.001785587	0.000680411	0.312145561	2.24711E-06	0.000582346	0.001401197	0.003003197	0.001748785
2083 Jul	0.003569261	0.123356745	1.01508E-05	3.432046175	23.75362968	0.124278098	0.002109566	132.5425415	0.0108124	0.009422518	0.001169903	0.001817745	0.000691924	0.316366374	2.28511E-06	0.000592514	0.001416476	0.003055723	0.001781083
2083 Aug	0.003643725	0.123153456	1.02799E-05	3.486314297	24.26993942	0.125527531	0.002159212	135.7089844	0.011052091	0.009487176	0.001184044	0.001856319	0.000707109	0.321508378	2.31714E-06	0.000605899	0.001423128	0.003090766	0.001825346
2083 Sep	0.003727076	0.120766997	1.02346E-05	3.541046619	24.93435097	0.126834646	0.00222809	139.8695374	0.011351262	0.009427751	0.001198177	0.0019053	0.0007262	0.327383012	2.31634E-06	0.000623333	0.001430326	0.003108943	0.001884344
2083 Oct	0.003721209	0.116549514	1.00539E-05	3.513287783	24.9230938	0.12472266	0.002243236	140.1403656	0.011344801	0.009292192	0.001178956	0.001900773	0.000725312	0.325188667	2.28083E-06	0.000624574	0.001401007	0.003056592	0.00189001
2083 Nov	0.003742792	0.115207516	1.00051E-05	3.523336887	25.10438538	0.124766171	0.002264153	141.3305664	0.011425872	0.009248522	0.001180046	0.001913678	0.000730421	0.326432824	2.27345E-06	0.000629541	0.001398681	0.00305288	0.001907208
2083 Dec	0.003757775	0.115138903	1.00074E-05	3.535037279	25.22338867	0.125195727	0.00227473	142.0466766	0.011479348	0.009245463	0.001184408	0.001922866	0.000733884	0.327648789	2.27532E-06	0.000632504	0.001402751	0.003060386	0.001917225
2084 Jan	0.003757979	0.115149356	1.00078E-05	3.535246372	25.22469902	0.125204802	0.002274852	142.0534973	0.011479904	0.009245994	0.001184463	0.001922949	0.000733917	0.327669144	2.27541E-06	0.000632535	0.001402836	0.003060479	0.001917315
2084 Feb	0.003758228	0.115171798	1.00086E-05	3.53555274	25.22615623	0.125219628	0.002274964	142.0602112	0.011480519	0.009247036	0.001184558	0.001923042	0.000733955	0.327697575	2.2756E-06	0.000632567	0.001402993	0.003060683	0.001917398
2084 Mar	0.003760164	0.115239121	1.00139E-05	3.537412167	25.23903465	0.125287637	0.002276114	142.1319122	0.011486352	0.00925203	0.001185177	0.001924014	0.000734327	0.327869982	2.27679E-06	0.000632887	0.001403751	0.003062259	0.001918361
2084 Apr	0.003775375	0.11570818	1.00544E-05	3.55173707	25.34113121	0.125796258	0.002285314	142.7065277	0.011532799	0.009289465	0.001189975	0.001931792	0.000737296	0.329198122	2.28599E-06	0.000635446	0.001409444	0.003074633	0.001926116
2084 May	0.003728966	0.122544847	1.00982E-05	3.54882431	24.91965294	0.127903506	0.002233026	139.5144043	0.011318882	0.009430747	0.001206683	0.001893231	0.000724779	0.328809559	2.28796E-06	0.000622296	0.001432577	0.003056845	0.00187924
2084 Jun	0.003380479	0.126590729	9.72154E-06	3.292645693	22.29924965	0.121478766	0.001977496	123.3720016	0.010108521	0.009235912	0.001139501	0.001687261	0.00064838	0.303714931	2.18036E-06	0.000553561	0.001369905	0.002852979	0.001654074
2084 Jul	0.00346811	0.128414899	9.95161E-06	3.370263577	22.90066147	0.123997234	0.002031234	126.8616333	0.010386802	0.009423505	0.001164069	0.001734997	0.000666015	0.310871065	2.23314E-06	0.000568865	0.001398965	0.002927992	0.001701934
2084 Aug	0.00358556	0.129758671	1.01522E-05	3.470689297	23.74335098	0.127318829	0.002108871	131.809967	0.010770552	0.009570667	0.001196683	0.001799036	0.000690646	0.320508957	2.2829E-06	0.000590112	0.001431519	0.003003515	0.001770175
2084 Sep	0.003670288	0.127388567	1.0127E-05	3.52895546	24.43095779	0.12882112	0.002177204	136.1119232	0.011082823	0.009494838	0.001212735	0.001851037	0.000710695	0.326645672	2.28639E-06	0.000607892	0.001440866	0.003030481	0.0018312
2084 Oct	0.003713353	0.124001324	1.00191E-05	3.545250654	24.79829597	0.128543302	0.002221239	138.5886383	0.01124918	0.009393035	0.001211697	0.001877684	0.000721044	0.328771114	2.26979E-06	0.000618232	0.001432365	0.003021236	0.001867314
2084 Nov	0.00372821	0.122954108	9.99031E-06	3.551417589	24.92066574	0.128462598	0.002236109	139.4077606	0.011304709	0.009367164	0.001211411	0.001886493	0.000724486	0.329525322	2.26568E-06	0.000621696	0.001429752	0.003018999	0.001879213
2084 Dec	0.003740509	0.122909635	9.99348E-06	3.561072111	25.01778603	0.128814414	0.002244754	139.9915009	0.011348402	0.009365903	0.001214976	0.001893998	0.000727312	0.330523252	2.26746E-06	0.000624117	0.001433117	0.00302534	0.001887384
2085 Jan	0.003748019	0.122865446	9.99368E-06	3.566895962	25.07795143	0.12903066	0.002250075	140.3542175	0.011375416	0.009363316	0.001217154	0.001898648	0.000729061	0.33113268	2.26822E-06	0.000625612	0.00143515	0.00302901	0.001892474
2085 Feb	0.003749254	0.122880407	9.99462E-06	3.567958117	25.08732033	0.129072964	0.002250888	140.4087677	0.01137959	0.009363995	0.001217536	0.001899357	0.00072933	0.3312401118	2.26851E-06	0.000625841	0.001435566	0.003029705	0.00189323
2085 Mar	0.003749967	0.122909844	9.99657E-06	3.568665981	25.09201622	0.129100397	0.0022513	140.4344177	0.011381697	0.00936592	0.001217774	0.001899704	0.000729464	0.33130604	2.26895E-06	0.000625956	0.001435867	0.003030276	0.001893572
2085 Apr	0.003757965	0.123175882	1.0018E-05	3.576295853	25.14547539	0.129377455	0.002256091	140.7332153	0.011405933	0.009386009	0.001220376	0.001903747	0.000731017	0.332014412	2.2738E-06	0.000627289	0.001438946	0.003036739	0.001897599
2085 May	0.003742675	0.128049597	1.00534E-05	3.588523388	24.98761368	0.131447047	0.002230847	139.3094788	0.011317543	0.009483582	0.001238027	0.001887496	0.000726256	0.333222479	2.27771E-06	0.000621418	0.001461207	0.00303448	0.001876128
2085 Jun	0.003585306	0.132642031	9.97226E-06	3.486275434	23.75827217	0.129610389	0.00210685	131.4990234	0.010745705	0.009506743	0.001216657	0.001789806	0.000690383	0.322950482	2.24573E-06	0.000588549	0.001446319	0.002956187	0.001766019
2085 Jul	0.00372392	0.135418907	1.02609E-05	3.608673334	24.72844315	0.133862481	0.002193481	137.1076813	0.011187761	0.009747231	0.00125813	0.001864459	0.000718685	0.334556311	2.31432E-06	0.000612886	0.00149158	0.003057881	0.001842981
2085 Aug	0.003833697	0.133543774	1.03084E-05	3.688560009	25.58841896	0.136072531	0.002275303	142.4259491	0.011581189	0.009707696	0.001281634	0.001930359	0.000743947	0.342658728	2.33432E-06	0.000634883	0.001507477	0.003106075	0.001918123
2085 Sep	0.003910004	0.128326133	1.01734E-05	3.726099253	26.2527523	0.136205852	0.002348358	146.8286438	0.011885304	0.009520597	0.001285449	0.00198041	0.000763212	0.347053438	2.31614E-06	0.000652866	0.001499454	0.003107521	0.001982024
2085 Oct	0.003977161	0.124590687	1.00564E-05	3.760233402	26.82431221	0.136621118	0.002409366	150.5565948	0.01214416	0.009394052	0.00129168	0.002023662	0.000779554	0.351092368	2.3002E-06	0.000668251	0.00149806	0.003112237	0.002035925
2085 Nov	0.00400085	0.122828886	9.99823E-06	3.769904375	27.03096771	0.136573732	0.002432658	151.9390869	0.012237957	0.009334498	0.001292169	0.002039179	0.000785427	0.352336198	2.29134E-06	0.000673951	0.001495022	0.003110055	0.002056093
2085 Dec	0.004009939	0.12277732	9.99969E-06	3.776946783	27.1031723	0.13682808	0.002439105	152.374649	0.012270451	0.009332622	0.001294758	0.002044766	0.000787528	0.353067726	2.29249E-06	0.000675754	0.001497436	0.003114623	0.002062208
2086 Jan	0.004010908	0.122780755	9.99999E-06	3.777737379	27.11068344	0.136858538	0.002439774	152.4190979	0.012273796	0.009332754	0.001295031	0.002045332	0.000787743	0.353149414	2.29263E-06	0.00067594	0.001497723	0.003115089	0.002062828
2086 Feb	0.00401099	0.122797765	1.00004E-05	3.77788496	27.11104202	0.13686794	0.002439786	152.4196167	0.012273907	0.009333333	0.001295073	0.002045341	0.000787748	0.353163332	2.29271E-06	0.000675944	0.001497818	0.003115149	0.002062827
2086 Mar	0.004012057	0.122834638	1.00029E-05	3.778910875	27.11827087	0.136907369	0.002440423	152.4597778	0.012277149	0.009335759	0.001295423	0.002045878	0.000787955	0.353260189	2.29329E-06	0.000676121	0.001498241	0.003115947	0.002063369
2086 Apr	0.00402382	0.123196542	1.00321E-05	3.789999485	27.19781113	0.137310416	0.002447573	152.9067383	0.012313141	0.009363052	0.001299224	0.002051875	0.000790265	0.354297489	2.29999E-06	0.000678103	0.001502646	0.003125061	0.002069418
2086 May	0.004052815	0.125641495	1.01224E-05	3.825111389	27.38063049	0.139087394	0.002460412	153.7786407	0.012390849	0.009465447	0.001315506	0.002064531	0.000795532	0.357616335	2.31959E-06	0.000682063	0.001522075	0.00315071	0.002080616
2086 Jun	0.003617405	0.127613127	9.79055E-06	3.489510536	24.1082058	0.128892794	0.002145902	134.0088959	0.010907769	0.009271983	0.00121222	0.001817515	0.000700641	0.323996365	2.21409E-06	0.00059821	0.001431834	0.002940747	0.001805746
2086 Jul	0.003680531	0.1283108	1.00166E-05	3.542324305	24.53886795	0.130180493	0.002184307	136.6035919	0.01111636	0.009434515	0.001225291	0.001855342	0.000713486	0.328564167	2.26433E-06	0.000609668	0.001451354	0.003013481	0.001842004
2086 Aug	0.003840578	0.128425613	1.01862E-05	3.670448542	25.73744202	0.134337604	0.002294342	143.7892761	0.011661605	0.009518838	0.001267393	0.001947063	0.000748533	0.341235042	2.31231E-06	0.00063992	0.001489351	0.00310278	0.001942407
2086 Sep	0.00390988	0.124353461	1.01133E-05	3.709778309	26.32572365	0.134686306	0.002358735	147.6390076	0.011931929	0.009379137	0.00127251	0.001990945	0.000765764	0.345533133	2.30538E-06	0.000655686	0.001483909	0.00310973	0.001998011
2086 Oct	0.004010844	0.122712389	1.00978E-05	3.781846285	27.12984085	0.136923358	0.002435282	152.5807953	0.012294418	0.009338357	0.001295885	0.002052401	0.000789007	0.353134543	2.31202E-06	0.000676271	0.001503198	0.003149722	0.00206795
2086 Nov	0.004038127	0.122756623	1.01149E-05	3.803900003	27.34011078	0.137721047	0.00245408	153.8339233	0.012389134	0.009346537	0.001303873	0.002068597	0.000795123	0.35537225	2.31789E-06	0.000681521	0.001511038	0.003164921	0.002085461
2086 Dec	0.004051446	0.1226945	1.01172E-05	3.814293146	27.44591904	0.138101712	0.002463469	154.4709625	0.012436725	0.009343943	0.001307741	0.002076787	0.000798203	0.356451303	2.31962E-06	0.000684156	0.001514669	0.003171708	0.00209441
2087 Jan	0.004052932	0.122694373	1.01177E-05	3.815483332	27.45755959	0.138146296	0.002464502	154.5404053	0.012441942	0.009343971	0.001308172	0.002077679	0.000798539	0.356574088	2.31985E-06	0.000684445	0.001515095	0.003172466	0.002095382
2087 Feb	0.004053674	0.122723199	1.01195E-05	3.816212654	27.46253395	0.138175026	0.002464936	154.5677338	0.012444165	0.009345771	0.001308419	0.002078046	0.000798681	0.356642753	2.32027E-06	0.000684567	0.001515404	0.00317303	0.00209575
2087 Mar	0.00405622	0.122804865	1.01259E-05	3.818631411	27.47971344	0.138263837	0.002466472	154.6639557	0.012451934	0.009351771	0.001309245	0.00207934	0.000799179	0.356868804	2.32173E-06	0.000684993	0.001516375	0.003175023	0.002097052
2087 Apr	0.004062234	0.122989677	1.0141E-05	3.824306488	27.52042007	0.138470024	0.002470122	154.8927765	0.01247037	0.009365718	0.00131119	0.002082417	0.000800362	0.357399166	2.32519E-06	0.000686007	0.001518635	0.003179731	0.002100153
2087 May	0.004001908	0.126001194	1.0155E-05	3.790788889	27.01899147	0.138144925	0.002419346	151.6069489	0.012235232	0.009435451	0.001305982	0.00204143	0.000785663	0.353873223	2.32132E-06	0.00067245	0.001517227	0.003152868	0.002053092
2087 Jun	0.003670726	0.131423637	9.96521E-06	3.553356647	24.45289612	0.131907374	0.002171342	135.7236481	0.011057626	0.009422062	0.00123996	0.001841116	0.000710869	0.329938591	2.25175E-06	0.000605705	0.001461521	0.002984363	0.0018298
2087 Jul	0.003786946	0.132651091	1.01791E-05	3.64993763	25.28526497	0.135029629	0.002246001	140.6497192	0.011439949	0.009576331	0.001271341	0.001906335	0.000735232	0.339160204	2.30408E-06	0.000626808	0.001494168	0.003067008	0.00189831

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.003931842	0.13503699	1.04393E-05	3.776288271	26.31621361	0.139427006	0.002338984	146.6416931	0.011907898	0.009785064	0.001314319	0.001984861	0.000765296	0.351285726	2.36772E-06	0.000652625	0.001539013	0.003164683	0.001980959
2087 Sep	0.004079371	0.134803176	1.05408E-05	3.893059969	27.44223595	0.14333339	0.002443434	153.3963776	0.012416653	0.009840958	0.001353523	0.002070974	0.000797991	0.363064647	2.40121E-06	0.000681122	0.0015764	0.003242819	0.00207563
2087 Oct	0.004167325	0.132584393	1.04913E-05	3.952053308	28.1598568	0.14503552	0.002512694	157.8693237	0.012740577	0.009766526	0.001371871	0.002126026	0.000818725	0.36943686	2.40017E-06	0.000699625	0.001589866	0.003272426	0.002139413
2087 Nov	0.004178944	0.131836146	1.04715E-05	3.957324743	28.25679207	0.145023376	0.002523826	158.512207	0.012784718	0.009746677	0.001372141	0.002133249	0.000821475	0.370064914	2.39747E-06	0.00070232	0.001588653	0.003272313	0.002148779
2087 Dec	0.004199379	0.131701887	1.0473E-05	3.973094702	28.42028999	0.145599216	0.002538339	159.4996643	0.012858265	0.00974024	0.001378018	0.002145926	0.000826235	0.3717110116	2.39971E-06	0.000706395	0.001594101	0.003282492	0.002162691
2088 Jan	0.004203579	0.131686598	1.04737E-05	3.976392508	28.45359802	0.145721316	0.002541291	159.6997375	0.012873223	0.009739514	0.001379233	0.002148495	0.000827202	0.372053504	2.40026E-06	0.000707223	0.001595263	0.003284611	0.002165504
2088 Feb	0.00420394	0.131701723	1.04743E-05	3.97675395	28.45612526	0.145737633	0.002541499	159.7134247	0.012874322	0.009740139	0.001379355	0.002148675	0.000827271	0.372088999	2.4004E-06	0.000707283	0.001595427	0.003284835	0.002165689
2088 Mar	0.004206671	0.131793737	1.04812E-05	3.979369164	28.47452164	0.145835146	0.002543134	159.8160248	0.012882624	0.009746661	0.001380258	0.002150057	0.000827804	0.372333705	2.40197E-06	0.000707738	0.001596492	0.003286971	0.002167076
2088 Apr	0.00423025	0.132541046	1.05401E-05	4.001714706	28.63399696	0.146656364	0.002557365	160.7102203	0.012954746	0.009801536	0.001388003	0.002162088	0.000832437	0.374424547	2.41546E-06	0.000711699	0.001605477	0.003305394	0.002179197
2088 May	0.004282196	0.134416774	1.06689E-05	4.052081585	28.98394203	0.148593843	0.002588095	162.6478882	0.013111896	0.0099252	0.001405513	0.002188174	0.000842518	0.379157722	2.4449E-06	0.000720286	0.001626458	0.003345466	0.002205365
2088 Jun	0.003890119	0.129392564	1.04753E-05	3.715997219	26.05438995	0.135212556	0.002323114	145.6901703	0.011823847	0.009737778	0.00127482	0.00197836	0.000758108	0.3447528118	2.3732E-06	0.000648815	0.001509757	0.00318764	0.00197173
2088 Jul	0.003941727	0.13089402	1.07368E-05	3.764190435	26.37892342	0.136420742	0.002351776	147.578476	0.011984379	0.009948485	0.001286296	0.002008028	0.000767847	0.348680437	2.42909E-06	0.000657571	0.00153061	0.003261982	0.001997758
2088 Aug	0.004147097	0.134996608	1.11386E-05	3.948031425	27.83046532	0.142946854	0.002482328	155.9431458	0.012642762	0.010287458	0.00134923	0.002118826	0.000810153	0.366215318	2.52557E-06	0.000693858	0.001599629	0.003408962	0.002112798
2088 Sep	0.004289276	0.134844497	1.12282E-05	4.06166935	28.92432785	0.146874398	0.002582316	162.4935608	0.013136381	0.010325194	0.001388611	0.002202571	0.000841985	0.377716064	2.55627E-06	0.000721344	0.001636955	0.00348454	0.002204716
2088 Oct	0.004249464	0.13008897	1.09861E-05	4.004676819	28.68400383	0.14387165	0.002573722	161.4416046	0.013027184	0.010122029	0.001361045	0.002181865	0.000834566	0.372734219	2.50593E-06	0.000716638	0.001599191	0.003414732	0.002192371
2088 Nov	0.004239953	0.129235208	1.09511E-05	3.992251158	28.61399841	0.143158734	0.002571052	161.0941925	0.012995792	0.010099201	0.001354302	0.00217577	0.000832412	0.371569812	2.49826E-06	0.00071525	0.001590597	0.003400193	0.002187906
2088 Dec	0.004254011	0.129169539	1.09534E-05	4.003219604	28.72566795	0.143560842	0.002580971	161.7663879	0.013045993	0.010096348	0.001358388	0.002184401	0.000835662	0.372709423	2.50004E-06	0.000718031	0.001594415	0.003407278	0.002197376
2089 Jan	0.004254798	0.129177392	1.0954E-05	4.003885746	28.73160553	0.143586427	0.002581502	161.8011017	0.013048638	0.010096807	0.001358616	0.002184845	0.000835831	0.372776866	2.50022E-06	0.000718177	0.001594662	0.003407689	0.00219786
2089 Feb	0.004255202	0.129201815	1.09552E-05	4.004324436	28.73415375	0.143605366	0.002581715	161.814209	0.013049754	0.010098124	0.001358758	0.002185024	0.000835901	0.372817725	2.50049E-06	0.000718237	0.001594866	0.003408013	0.002198031
2089 Mar	0.004258587	0.129310697	1.0964E-05	4.007539272	28.7569313	0.143722445	0.002583752	161.9418488	0.013060076	0.010106312	0.001359846	0.002186748	0.000836562	0.373117119	2.50249E-06	0.000718804	0.001596161	0.00341072	0.002199762
2089 Apr	0.004273662	0.129772842	1.10029E-05	4.021747589	28.858675	0.144233227	0.002592887	162.5143433	0.013106268	0.010142204	0.001364665	0.00219448	0.00083952	0.374440044	2.51136E-06	0.000721346	0.001601831	0.003422792	0.002207536
2089 May	0.004190299	0.133928478	1.10122E-05	3.975505114	28.16832733	0.143828586	0.002522902	157.9846954	0.012781565	0.010230046	0.001357853	0.002137673	0.000819267	0.369617045	2.50406E-06	0.000702615	0.001599728	0.003383189	0.002142529
2089 Jun	0.003902243	0.139842078	1.08265E-05	3.77518487	25.93163681	0.139139995	0.002304366	144.0069275	0.011747664	0.010219059	0.001307055	0.001960584	0.000753986	0.349550337	2.43907E-06	0.000643797	0.001556722	0.003228742	0.001945187
2089 Jul	0.004074725	0.141258925	1.10699E-05	3.917650223	27.19764137	0.143980265	0.002417515	151.5052643	0.012324306	0.010385992	0.001355615	0.002058798	0.000790952	0.363456994	2.5023E-06	0.00067564	0.001605682	0.003340634	0.002049913
2089 Aug	0.00425372	0.142627046	1.13038E-05	4.065224648	28.51264191	0.149004802	0.002535989	159.2920074	0.012921393	0.010542748	0.001406006	0.002159579	0.000829319	0.37793088	2.56417E-06	0.000708654	0.001654428	0.003449076	0.002158616
2089 Sep	0.004406942	0.140429646	1.12964E-05	4.177308083	29.73391151	0.152592242	0.002650833	166.7700195	0.013472278	0.010482542	0.001443177	0.002253079	0.000864746	0.389672607	2.57732E-06	0.000739725	0.001685597	0.003513493	0.002264781
2089 Oct	0.004397315	0.133876443	1.10014E-05	4.135802269	29.76010895	0.149810389	0.00266937	167.463623	0.01348491	0.010210867	0.001418828	0.002253392	0.000865041	0.3865197	2.51988E-06	0.000742118	0.001648177	0.00344949	0.002277888
2089 Nov	0.00441114	0.133337438	1.09916E-05	4.143908501	29.87005806	0.149934754	0.002681363	168.1662598	0.013534736	0.010200735	0.001420343	0.002261541	0.000868176	0.387402982	2.5193E-06	0.000745091	0.001648487	0.003451828	0.002288022
2089 Dec	0.004423589	0.133290112	1.09947E-05	4.153674603	29.96850777	0.150291279	0.002690115	168.7581787	0.013579028	0.010199212	0.001423958	0.002269154	0.000871041	0.388413161	2.52107E-06	0.000747545	0.001651898	0.003458249	0.002296366
2090 Jan	0.004426001	0.13330102	1.09962E-05	4.155657291	29.98700333	0.150365099	0.002691759	168.8677063	0.01358733	0.010200101	0.00142467	0.002270569	0.000871577	0.388614327	2.5216E-06	0.000748004	0.001652622	0.003459583	0.002297899
2090 Feb	0.004426858	0.133334845	1.09983E-05	4.156502724	29.99276543	0.150398687	0.00269226	168.899292	0.013589901	0.010202172	0.001424956	0.002270994	0.000871741	0.388694108	2.52207E-06	0.000748144	0.001652982	0.003460229	0.002298326
2090 Mar	0.004429611	0.13342084	1.10051E-05	4.159102917	30.01142883	0.150494441	0.002693926	169.0040436	0.013598335	0.010208474	0.001425846	0.002272401	0.000872281	0.38893798	2.52362E-06	0.000748607	0.001654027	0.003462358	0.00229975
2090 Apr	0.004439091	0.133709908	1.10287E-05	4.168021202	30.07560349	0.150818065	0.002699682	169.3650665	0.013627402	0.010230427	0.001428901	0.002277256	0.000874145	0.389771938	2.52903E-06	0.000750207	0.001657583	0.003469769	0.002304661
2090 May	0.004514297	0.134737357	1.10938E-05	4.233383179	30.64531708	0.153440937	0.002748637	172.6750946	0.013881693	0.010278211	0.001454608	0.002320621	0.000890708	0.396355301	2.54844E-06	0.000764117	0.001684	0.003514666	0.002350837
2090 Jun	0.004329428	0.132635832	1.05467E-05	4.081062794	29.48235512	0.150322482	0.002619843	165.7905426	0.013339381	0.00977008	0.00142501	0.002235827	0.000857189	0.382855743	2.42537E-06	0.000732357	0.001654146	0.003395593	0.002258538
2090 Jul	0.004386626	0.133690566	1.07592E-05	4.131022453	29.86391449	0.151651606	0.002653913	168.0466614	0.013522821	0.009933081	0.00143813	0.002268653	0.000868533	0.387183458	2.47218E-06	0.000742423	0.001673206	0.003460429	0.002289981
2090 Aug	0.004389846	0.129279256	1.06828E-05	4.116465569	29.93358612	0.149827033	0.002671552	168.8476563	0.013563798	0.00976242	0.001422137	0.002272544	0.000870996	0.385826558	2.45853E-06	0.000745195	0.00164308	0.003430632	0.002303269
2090 Sep	0.004393229	0.123951741	1.04881E-05	4.093709946	30.02877808	0.147756115	0.002695285	169.853302	0.013609581	0.009561709	0.001403905	0.002277875	0.000873531	0.38417387	2.42168E-06	0.000749089	0.00161308	0.003385838	0.002320006
2090 Oct	0.004263786	0.11852406	1.02298E-05	3.959728003	29.05897331	0.141321629	0.002629306	164.5144806	0.013174883	0.009395797	0.00134201	0.002199966	0.000844649	0.371171176	2.35974E-06	0.000727068	0.001541426	0.003262011	0.002247551
2090 Nov	0.004234632	0.116855055	1.01466E-05	3.927338839	28.85129547	0.139750078	0.002615942	163.4118195	0.013081659	0.009333461	0.001327111	0.002183249	0.000838439	0.368115664	2.34101E-06	0.000722437	0.001523437	0.003230261	0.002232877
2090 Dec	0.00425164	0.116774045	1.01495E-05	3.940601349	28.98647499	0.140236214	0.002627939	164.2257538	0.013142448	0.009329975	0.001332052	0.002193711	0.000842373	0.369493514	2.34317E-06	0.000725804	0.001528068	0.003238892	0.002244376
2091 Jan	0.004257915	0.116747797	1.01501E-05	3.945516825	29.03653145	0.140420467	0.00263235	164.5266266	0.013164911	0.009328318	0.001333892	0.002197577	0.000843827	0.370006263	2.34388E-06	0.000727046	0.001529816	0.003242023	0.002248629
2091 Feb	0.004259539	0.11675477	1.01505E-05	3.946856499	29.04929543	0.140474185	0.002633454	164.6020355	0.013170597	0.009328302	0.001334388	0.002198549	0.000844194	0.370145112	2.34411E-06	0.000727359	0.00153033	0.003242851	0.00224969
2091 Mar	0.004264039	0.116881602	1.01611E-05	3.951044321	29.08003426	0.140625641	0.002636226	164.7758026	0.013184502	0.009338032	0.001335804	0.002200868	0.000845084	0.37053901	2.34655E-06	0.000728125	0.001531971	0.003246241	0.002252064
2091 Apr	0.004281566	0.11736685	1.02029E-05	3.967307568	29.1994915	0.141205743	0.002647049	165.452179	0.013238647	0.009376559	0.0013413	0.002209903	0.000848554	0.372064173	2.35621E-06	0.000731115	0.001538289	0.003259585	0.002261305
2091 May	0.004275462	0.120710358	1.02912E-05	3.978712559	29.09895134	0.142374933	0.002632861	164.545578	0.013186193	0.009498745	0.001350904	0.00220006	0.00084555	0.372920275	2.37187E-06	0.000727707	0.001552365	0.003268302	0.002247214
2091 Jun	0.003896459	0.128031641	1.00668E-05	3.713400841	26.17242622	0.136039764	0.002344327	146.3175201	0.011839087	0.009476886	0.001282865	0.001971625	0.000760335	0.346252054	2.2909E-06	0.000650857	0.001497457	0.003080207	0.001989425
2091 Jul	0.004058402	0.131536767	1.04248E-05	3.859014511	27.3061924	0.141142488	0.002445395	152.8448944	0.012356408	0.009781362	0.001332083	0.002059681	0.000793421	0.359986663	2.37499E-06	0.000679327	0.001554174	0.003207215	0.002079564
2091 Aug	0.004170889	0.129463077	1.04746E-05	3.941375732	28.19157982	0.143385172	0.002530204	158.3270416	0.012761865	0.009733526	0.001355804	0.002127437	0.000819486	0.368318439	2.39562E-06	0.000701982	0.001569823	0.003256391	0.002157731
2091 Sep	0.004274975	0.125737429	1.04266E-05	4.010911465	29.05732727	0.145025253	0.002616379	163.8063202	0.013157251	0.009594942	0.001373818	0.002193524	0.000844904	0.375686228	2.39676E-06	0.000724395	0.001577933	0.003288109	0.002236633
2091 Oct	0.004318437	0.121690549	1.0269E-05	4.024261475	29.45856285	0.144738436	0.00266155	166.5407562	0.013338788	0.009436707	0.001373294	0.002223899	0.000856275	0.377732307	2.3707E-06	0.000735492	0.001569499	0.003277316	0.002277273
2091 Nov	0.004290018	0.119203076	1.01621E-05	3.987751961	29.26175499	0.142769367	0.002651961	165.5759125	0.013251383	0.009355656	0.001354876	0.002207897	0.000850293	0.374340206	2.34749E-06	0.000731478	0.001546718	0.003239776	0.002264936
2091 Dec	0.004300979	0.119082861	1.01627E-05	3.995883703	29.34852982	0.143038556	0.002660018	166.104538	0.013290497	0.009353078	0.001357651	0.002214566	0.000852808	0.375188947	2.34865E-06	0.000733679	0.001549178	0.003244718	0.002272447
2092 Jan	0.004313116	0.119013719	1.01631E-05	4.005303383	29.44586945	0.143390134	0.00266859	166.6912537	0.013334214	0.009348871	0.001361199	0.002222109	0.000855638	0.376174748	2.34988E-06	0.000736096	0.001552509	0.00325075	0.002280761
2092 Feb	0.004316325	0.119027115	1.01646E-05	4.007945061	29.47082901	0.143492252	0.00267077	166.8389893	0.013345384	0.009349403	0.00136217	0.00222402	0.000856359	0.376445472	2.35046E-06	0.000736711	0.001553503	0.00325248	0.00228284
2092 Mar	0.004321583	0.119179934	1.0177E-05	4.01286459	29.50664711	0.143671021	0.002674002	167.0409546	0.013361571	0.009360937	0.001363839	0.002226713	0.000857397	0.376908004	2.35333E-06	0.000737604	0.001555432	0.00325643	0.0022856
2092 Apr	0.00433629	0.119591027	1.02118E-05	4.026547909	29.60698318	0.144162327	0.002683087	167.6084137	0.013406989	0.009392961	0.001368486	0.002234278	0.000860311	0.37819314	2.36136E-06	0.00074011	0.00156075	0.003267514	0.002293361
2092 May	0.004379225	0.122779876	1.02772E-05	4.076787949	29.91221046	0.146994308	0.002702753	169.1269379	0.013534702	0.009476084	0.001394976	0.002255829	0.000869117	0.383232266	2.37714E-06	0.00074653	0.001590597	0.003299045	0.002313767
2092 Jun	0.003880701	0.125495717	9.69954E-06	3.694679976	26.24136162	0.136689037	0.002340005	146.8358612	0.011854474	0.009091777	0.001290573	0.001976422	0.000762514	0.34587729	2.2179E-06	0.0006509	0.001496774	0.00303338	0.0020019
2092 Jul	0.003901157	0.123616993	9.76135E-06	3.70130229	26.41913033	0.136198267	0.002355529	148.1323547	0.011950084	0.009083866	0.00128753	0.001996484	0.000768065	0.346306056	2.23286E-06	0.000656191	0.001496614	0.003068776	0.002021628
2092 Aug	0.004123555	0.125474438	1.00303E-05	3.888826132	28.07296753	0.142821014	0.002504596	157.8778076	0.012698066	0.009268934	0.001352831	0.002123107	0.000816284	0.364785165	2.30542E-06	0.000697543	0.001562629	0.003205566	0.002158016
2092 Sep	0.004380723	0.122860976	1.0059E-05	4.083992958	30.12462616	0.149481088	0.002691735	170.3509369	0.013624027	0.009180937	0.001421117	0.002281366	0.00087607	0.385063469	2.33545E-06	0.000749141	0.00162283	0.003327262	0.002335256
2092 Oct	0.004541502	0.120248809	1.00158E-05	4.199437618	31.42486191	0.153283089	0.002812188	178.3361359	0.014209826	0.009083408	0.001460917	0.002381624	0.000913773	0.397333115	2.34239E-06	0.000782114	0.001656218	0.003393472	0.002449268
2092 Nov	0.004604478	0.119483165	1.00097E-05	4.24601984	31.93040657	0.154874533	0.002858403	181.4198914	0.014437503	0.00905535	0.001477385	0.00242065	0.00092845	0.402237415	2.3472E-06	0.000794863	0.001670669	0.0034216	0.002493175
2092 Dec	0.004612199	0.119479828	1.00136E-05	4.252185822	31.99041939	0.155097514	0.002863765	181.7788239	0.014464531	0.00905656	0.001479628	0.002425279	0.000930196	0.402867138	2.34867E-06	0.000796362	0.001672841	0.003425787	0.002498241
2093 Jan	0.00461674	0.119457677	1.0014E-05	4.255724907	32.02663803	0.155228809	0.002866969	181.9968262	0.014480795	0.009055343	0.001480941	0.002428077	0.000931247	0.40323624	2.34918E-06	0.000797262	0.001674083	0.00342804	0.00250133
2093 Feb	0.004618824	0.119472571	1.00155E-05	4.257467747	32.04260254	0.155295715	0.002868369	182.0908508	0.014487945	0.009056179	0.001481574	0.002429297	0.000931708	0.403412968	2.34965E-06	0.000797656	0.001674742	0.003429212	0.002502652
2093 Mar	0.004630284	0.11966908	1.00335E-05	4.267570972	32.12556839	0.155666813	0.002875756	182.5710449	0.014525373	0.009071259	0.001485159	0.002435627	0.00093412	0.404395074	2.35417E-06	0.000799719	0.001678619	0.003436924	0.002509322
2093 Apr	0.00464771	0.120104469	1.00701E-05	4.283563614	32.24704361	0.156251252	0.00288662	183.2626648	0.014580274	0.009104183	0.001490735	0.002444841	0.000937651	0.405914843	2.36281E-06	0.000802741	0.001684898	0.003449721	0.002518839
2093 May	0.004669593	0.123162553	1.01493E-05	4.316033363	32.37536621	0.158214882	0.002892547	183.7446899	0.014630369	0.009206676	0.001508532	0.002452726	0.000941304	0.409020126	2.37936E-06	0.000805011	0.001706265	0.003470947	0.00252454
2093 Jun	0.004196767	0.128188312	9.86225E-06	3.96320653	28.73054314	0.147859976	0.002546105	161.455246	0.012968258	0.009135391	0.001401618	0.002170713	0.000835206	0.373414963	2.27826E-06	0.000711281	0.001611399	0.00322855	0.002209679
2093 Jul	0.004298574	0.130091771	1.01141E-05	4.052177429	29.43499947	0.150740072	0.002609128	165.5605774	0.013293736	0.00933645	0.001429894	0.002226449	0.000855855	0.381672978	2.33646E-06	0.000729194	0.00164396	0.003312493	0.002266799
2093 Aug	0.004469511	0.131426424	1.03328E-05	4.194692135	30.69726181	0.155651778	0.002723178	173.0199585	0.013866054	0.009483844	0.001478714	0.0023231	0.000892682	0.395665199	2.39454E-06	0.000760847	0.001692146	0.003416843	0.00237142
2093 Sep	0.004590296	0.129336223	1.03342E-05	4.281105995	31.65509605	0.158201396	0.002815234	178.9226074	0.014299746	0.009441084	0.00150539	0.002396418	0.000920455	0.404677004	2.4063E-06	0.000785465	0.001713601	0.003466493	0.002455809
2093 Oct	0.004512293	0.122771524	1.00566E-05	4.183454514	31.12023926	0.153011218	0.002786929	176.2861633	0.01406332	0.009213948	0.001456866	0.002353623	0.000904368	0.395559281	2.34587E-06	0.000774337	0.00165352	0.003369435	0.002421836
2093 Nov	0.004494125	0.120616987	9.98875E-06	4.156830788	30.98700905	0.151329502	0.002783631	175.6783752	0.014005558	0.009166976	0.001441082	0.002342391	0.000900254	0.393028855	2.33116E-06	0.000771974	0.001633917	0.003340961	0.002414279
2093 Dec	0.004503273	0.120599307	9.99282E-06	4.164068222	31.05832672	0.151588216	0.002790035	176.1060486	0.014037685	0.009167888	0.001443693	0.002347892	0.000902328	0.39376983	2.33281E-06	0.000773758	0.001636418	0.00334582	0.00242033
2094 Jan	0.004509829	0.120573521	9.99392E-06	4.169208527	31.11042404	0.151778966	0.002794641	176.4191895	0.014061089	0.009166557	0.001445597	0.002351918	0.000903842	0.394304097	2.33363E-06	0.000775053	0.001638234	0.00334914	0.002424773
2094 Feb	0.004511721	0.120584771	9.9948E-06	4.170782566	31.12510872	0.151840925	0.002795918	176.5057526	0.014067646	0.009166921	0.001446172	0.002353037	0.000904264	0.394465506	2.33397E-06	0.000775413	0.001638835	0.00335015	0.002425994
2094 Mar	0.004515932	0.120702334	1.0004E-05	4.174699783	31.15415001	0.151985809	0.002798514	176.6698914	0.014080741	0.009175478	0.001447527	0.002355224	0.000905105	0.394836754	2.33613E-06	0.000776134	0.001640391	0.003353253	0.002428248
2094 Apr	0.004527153	0.121007241	1.0029E-05	4.185096741	31.23148537	0.152365595	0.002805454	177.1079407	0.014115678	0.009198431	0.001451129	0.002361065	0.00090735	0.395820051	2.34195E-06	0.000778059	0.001644489	0.003361588	0.002434266
2094 May	0.004513851	0.124224827	1.00236E-05	4.190839291	31.11878204	0.153848588	0.002785855	176.1104736	0.014052027	0.009233667	0.001464047	0.002349987	0.000903986	0.39650929	2.33867E-06	0.000773732	0.001660409	0.003357662	0.00241939
2094 Jun	0.004380055	0.130324259	9.99312E-06	4.11500597	30.0616169	0.153427944	0.002672137	169.1983185	0.013555743	0.009303196	0.001456154	0.002266103	0.000873188	0.388816327	2.31868E-06	0.000744612	0.001662052	0.003304215	0.002320481

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.004585291	0.133996338	1.03704E-05	4.295520306	31.52679253	0.159846306	0.002802558	177.6907349	0.014221051	0.009613755	0.001518664	0.002378992	0.000915895	0.406136245	2.41034E-06	0.000781255	0.001730444	0.003451124	0.002438687
2094 Aug	0.004892884	0.13753283	1.07656E-05	4.558160305	33.79799271	0.169353068	0.003005206	190.9926605	0.015246405	0.009910571	0.001612102	0.002552838	0.000982024	0.431976408	2.51488E-06	0.000837845	0.001826976	0.003645357	0.002624894
2094 Sep	0.005017935	0.134867415	1.07489E-05	4.644989014	34.79847717	0.171801537	0.003102056	197.2012787	0.015700078	0.009846515	0.001638132	0.002629701	0.001011022	0.441107124	2.52359E-06	0.000863685	0.001846999	0.003694362	0.002714057
2094 Oct	0.005050622	0.129658297	1.0559E-05	4.644387245	35.13260269	0.170717746	0.003143437	199.6399689	0.01585407	0.00964557	0.001630272	0.002655446	0.001020486	0.441809058	2.49051E-06	0.00087343	0.001829541	0.003673223	0.00275127
2094 Nov	0.005037057	0.125071079	1.03855E-05	4.609508991	35.08545685	0.168376163	0.003151204	199.7512207	0.015836589	0.009482471	0.001609345	0.002651426	0.001018835	0.438847989	2.45616E-06	0.000873682	0.001800558	0.00363099	0.002755197
2094 Dec	0.005041128	0.124764077	1.03756E-05	4.611185551	35.12162781	0.168372303	0.003155138	199.9934845	0.015853096	0.009471313	0.001609484	0.00265421	0.001019872	0.439062893	2.45467E-06	0.00087467	0.001800115	0.003630914	0.002758784
2095 Jan	0.005050505	0.124716736	1.03767E-05	4.618494511	35.19648361	0.168643028	0.003161748	200.4443054	0.015886741	0.009468751	0.001612201	0.002660007	0.001022048	0.439824522	2.45576E-06	0.000876531	0.001802686	0.003635641	0.002765195
2095 Feb	0.005052077	0.124736123	1.03778E-05	4.619849205	35.20845413	0.168697685	0.003162781	200.5139618	0.015892068	0.009469532	0.001612688	0.002660911	0.001022391	0.439962029	2.45612E-06	0.000876822	0.001803222	0.003636515	0.002766174
2095 Mar	0.005056165	0.124804527	1.03837E-05	4.62344265	35.23823547	0.168831915	0.003165425	200.6863251	0.015905462	0.00947445	0.001613965	0.002663173	0.001023253	0.440313876	2.45762E-06	0.000877561	0.001804607	0.003639165	0.002768576
2095 Apr	0.005072057	0.12520133	1.04163E-05	4.637997627	35.34895706	0.169364929	0.003175362	201.3164215	0.015955416	0.00950431	0.001619043	0.002671535	0.001026466	0.44170022	2.46534E-06	0.000880316	0.001810301	0.003650596	0.002777267
2095 May	0.004943179	0.129287019	1.04103E-05	4.555150509	34.30807495	0.167609081	0.003073371	194.7051239	0.015474463	0.009584305	0.001598813	0.002588521	0.000996087	0.433104128	2.45107E-06	0.000852857	0.001795813	0.003590436	0.002682374
2095 Jun	0.004759019	0.135727867	1.04612E-05	4.439772606	32.80211258	0.165170461	0.0029251	185.1110077	0.014781646	0.009751705	0.001570286	0.002469589	0.000952211	0.420884311	2.44223E-06	0.00081321	0.001778394	0.003517064	0.002544542
2095 Jul	0.004948859	0.140160665	1.08652E-05	4.610806465	34.12027359	0.171266481	0.003042997	192.6610413	0.015379475	0.010104421	0.001629165	0.002569883	0.000990578	0.437102377	2.53734E-06	0.000846132	0.001843106	0.003655024	0.002649056
2095 Aug	0.004984883	0.137803227	1.08607E-05	4.628510475	34.41761398	0.171150938	0.00307401	194.6695862	0.015521132	0.010028062	0.001629918	0.002593229	0.000999514	0.438925862	2.54037E-06	0.00085416	0.00183616	0.003662785	0.002678777
2095 Sep	0.005087049	0.135449365	1.08746E-05	4.70223999	35.24155045	0.173160329	0.003153593	199.7931519	0.015897693	0.009960592	0.00165101	0.002656723	0.001023712	0.446501762	2.55306E-06	0.000875317	0.001851077	0.00370666	0.002752455
2095 Oct	0.005200198	0.13380903	1.08585E-05	4.784739494	36.15488434	0.175918356	0.00323735	205.3885956	0.016309829	0.009901155	0.001679736	0.002727569	0.001050243	0.455208838	2.5607E-06	0.000898423	0.001876112	0.003757283	0.00283264
2095 Nov	0.005204972	0.131312922	1.07724E-05	4.775436401	36.22344589	0.174987927	0.003249964	206.0133972	0.016342977	0.009817175	0.001671804	0.002732813	0.001052083	0.454577774	2.54476E-06	0.000900932	0.001864024	0.003741884	0.002842825
2095 Dec	0.005209822	0.131000966	1.0765E-05	4.777656078	36.26426315	0.17498517	0.003254528	206.2845001	0.016361693	0.009808807	0.00167195	0.002735938	0.001053248	0.454838902	2.5438E-06	0.000902063	0.001863622	0.003742275	0.002846831
2096 Jan	0.005219314	0.130943924	1.07656E-05	4.785009861	36.34031677	0.17525731	0.003261244	206.7432404	0.016395874	0.00980565	0.001674683	0.002741833	0.001055458	0.455607504	2.5448E-06	0.000903954	0.001866201	0.003747007	0.00285337
2096 Feb	0.005222325	0.130987793	1.07688E-05	4.787631989	36.36274338	0.175359085	0.003263208	206.8733978	0.016405907	0.00980822	0.001675621	0.002743532	0.001056104	0.45586884	2.54569E-06	0.000904505	0.001867224	0.003748821	0.002855194
2096 Mar	0.005225451	0.131077185	1.07754E-05	4.790551186	36.38436127	0.175468996	0.003265132	206.9952698	0.016415622	0.009814396	0.001676635	0.00274515	0.001056728	0.456146777	2.54724E-06	0.000905039	0.001868391	0.003751065	0.00285687
2096 Apr	0.005240801	0.131468937	1.08072E-05	4.804655075	36.49113464	0.175987288	0.003274705	207.6020203	0.016463775	0.009843436	0.001681567	0.002753198	0.001059827	0.45748961	2.55475E-06	0.000907693	0.001873907	0.003762087	0.002865241
2096 May	0.005333977	0.132964328	1.08402E-05	4.887243748	37.22229385	0.179711133	0.003333939	211.8164215	0.016786251	0.009858133	0.00171811	0.002808817	0.00108109	0.466043234	2.56931E-06	0.00092507	0.001911138	0.003814829	0.002924863
2096 Jun	0.004763278	0.128039479	1.02284E-05	4.411286831	33.06477356	0.163376659	0.002941257	187.4028473	0.014922943	0.009332891	0.001558007	0.002503255	0.000960953	0.41886434	2.39987E-06	0.000820428	0.001761802	0.003530748	0.002585129
2096 Jul	0.004815964	0.128789186	1.04333E-05	4.456364155	33.41960526	0.164479554	0.002972793	189.529129	0.015095629	0.009483873	0.001569041	0.002534765	0.000971554	0.422711909	2.44489E-06	0.000829899	0.001779206	0.003595039	0.002615211
2096 Aug	0.005027485	0.131712019	1.07593E-05	4.640106678	34.95702744	0.171003342	0.003111431	198.4929504	0.015791267	0.009737838	0.001632619	0.00265203	0.001016361	0.440556347	2.52716E-06	0.000868312	0.001845825	0.003733632	0.002740639
2096 Sep	0.005058638	0.128414094	1.06767E-05	4.649017334	35.23188019	0.170424849	0.003146182	200.4154205	0.015918588	0.009637797	0.001628439	0.002672246	0.001024228	0.441779137	2.51439E-06	0.000876259	0.001834488	0.003724497	0.002769565
2096 Oct	0.00498292	0.12253765	1.04344E-05	4.556548119	34.6977272	0.165493488	0.003117376	197.7258301	0.015682165	0.009447705	0.001582085	0.002629197	0.001008171	0.433055878	2.46089E-06	0.000865047	0.00177757	0.003632848	0.002734461
2096 Nov	0.004972032	0.121724918	1.04169E-05	4.54297924	34.60760117	0.164635614	0.00311382	197.2605591	0.015642788	0.009443451	0.001573841	0.0026216	0.001005422	0.431693047	2.45649E-06	0.000863287	0.001767887	0.00361932	0.00272825
2096 Dec	0.004979995	0.121679433	1.04182E-05	4.54914999	34.6709404	0.16485931	0.00311946	197.6426697	0.015671294	0.009441647	0.00157612	0.002626505	0.001007265	0.432334393	2.45749E-06	0.000864868	0.00177001	0.003623334	0.002733698
2097 Jan	0.004984065	0.121657796	1.04184E-05	4.552315712	34.70352173	0.164977565	0.003122335	197.8388672	0.015685916	0.009440303	0.001577298	0.002629022	0.001008211	0.432665616	2.45791E-06	0.000865677	0.001771123	0.003625331	0.002736497
2097 Feb	0.004984683	0.121666253	1.04186E-05	4.552854061	34.70831299	0.165000886	0.003122739	197.8666077	0.015688028	0.009440412	0.001577492	0.00262938	0.001008346	0.432721347	2.458E-06	0.000865792	0.001771346	0.003625638	0.002736888
2097 Mar	0.004987384	0.121739179	1.04243E-05	4.555354595	34.72702026	0.165093407	0.003124412	197.9725342	0.01569646	0.009445726	0.001578354	0.002630788	0.001008887	0.432958961	2.45935E-06	0.000866256	0.001772336	0.003627602	0.002738349
2097 Apr	0.005006392	0.122207433	1.04641E-05	4.572736263	34.85930252	0.165724441	0.003136308	198.7262268	0.015756236	0.009481858	0.001584374	0.002640805	0.001012729	0.434610903	2.46873E-06	0.000869555	0.001779109	0.00364143	0.002748772
2097 May	0.004996149	0.125416204	1.05605E-05	4.580067158	34.72234344	0.166630045	0.003119726	197.6193237	0.01568868	0.009610787	0.001591409	0.002628324	0.001008675	0.434999228	2.48567E-06	0.000865372	0.001790681	0.003648849	0.002731735
2097 Jun	0.004626614	0.131010443	1.04239E-05	4.312860489	31.83294487	0.159005255	0.002843864	179.8171692	0.01437114	0.0096455	0.001511447	0.002404232	0.000924624	0.407686621	2.42363E-06	0.000790855	0.001722853	0.003471215	0.002478119
2097 Jul	0.00479611	0.134337798	1.07746E-05	4.462809086	33.02484894	0.164229438	0.002950341	186.7104645	0.01491427	0.00993736	0.001562258	0.002496272	0.000959392	0.421917498	2.50682E-06	0.000820773	0.001779203	0.003597255	0.00257427
2097 Aug	0.004934425	0.13589406	1.09929E-05	4.580398083	34.02555847	0.168222442	0.00304141	192.588089	0.015368924	0.010096929	0.001601627	0.002572577	0.000988603	0.43329677	2.56164E-06	0.000845917	0.001818708	0.003685419	0.002656851
2097 Sep	0.005047611	0.135885939	1.10866E-05	4.671491623	34.88659668	0.171287626	0.003120867	197.7392273	0.015758505	0.010146513	0.001632238	0.002638472	0.001013674	0.442418754	2.59025E-06	0.000867643	0.001848039	0.003747729	0.002729958
2097 Oct	0.005045284	0.133481503	1.09972E-05	4.656922817	34.89712524	0.170180663	0.003128512	198.0068665	0.015764911	0.010063929	0.001622454	0.002638853	0.001013809	0.441249132	2.57293E-06	0.000868679	0.001833841	0.003727043	0.002735063
2097 Nov	0.005030816	0.132154882	1.09391E-05	4.638367653	34.80191803	0.169204414	0.003123521	197.5504303	0.015722875	0.010013686	0.001613388	0.002631307	0.00101095	0.439539343	2.56047E-06	0.00086671	0.001822446	0.003708473	0.002729299
2097 Dec	0.005030676	0.131879613	1.09268E-05	4.63685751	34.80579376	0.169102654	0.003124392	197.5965118	0.015724722	0.010001368	0.001612528	0.002631606	0.00101105	0.439431667	2.55811E-06	0.000866869	0.001821074	0.003706243	0.002730106
2098 Jan	0.005037765	0.131839857	1.09271E-05	4.642362118	34.86254883	0.169307381	0.003129406	197.9384766	0.015750201	0.009999018	0.001614568	0.002635993	0.001012697	0.440007448	2.55883E-06	0.000868279	0.001823003	0.003709723	0.002734993
2098 Feb	0.005039025	0.131862089	1.09281E-05	4.643480778	34.87205505	0.16935432	0.003130217	197.9931335	0.015754407	0.009999814	0.001614966	0.002636702	0.001012967	0.440120846	2.55913E-06	0.000868509	0.001823462	0.003710418	0.002735761
2098 Mar	0.005040749	0.131919861	1.09321E-05	4.645131111	34.88379669	0.169417679	0.003131255	198.0585175	0.015759671	0.010003626	0.001615532	0.002637575	0.001013304	0.44027704	2.56005E-06	0.000868797	0.001824141	0.003711694	0.002736658
2098 Apr	0.005047949	0.132479757	1.09542E-05	4.653553963	34.9279747	0.169819206	0.003134731	198.2718201	0.015778437	0.010029304	0.00161823	0.002640485	0.001014468	0.441069752	2.56484E-06	0.000869783	0.001828339	0.003717146	0.002739411
2098 May	0.004850695	0.138684303	1.09085E-05	4.526471138	33.34402084	0.167259529	0.002979303	188.1969757	0.015043346	0.010125338	0.001585189	0.002513125	0.000967825	0.428041577	2.53589E-06	0.000827824	0.001805972	0.003617347	0.002594329
2098 Jun	0.004181616	0.141546205	1.03311E-05	4.007910252	28.27454567	0.151237354	0.002502196	157.5438232	0.012735573	0.009813559	0.001423466	0.00212196	0.000820459	0.376299024	2.36111E-06	0.000698093	0.001652055	0.003248217	0.002160343
2098 Jul	0.004336151	0.145863429	1.07221E-05	4.151147366	29.32881355	0.156334057	0.002595816	163.5277405	0.013216196	0.010160254	0.001472078	0.002203238	0.000851196	0.389653593	2.45055E-06	0.000724474	0.001709165	0.00337422	0.002243146
2098 Aug	0.004442295	0.144139037	1.07976E-05	4.229958534	30.15219498	0.15841949	0.002675352	168.6142731	0.013594465	0.010144399	0.001494034	0.002266427	0.000875446	0.397507727	2.47539E-06	0.000745652	0.001724583	0.003424841	0.002316268
2098 Sep	0.004436993	0.136686072	1.05534E-05	4.190813065	30.21756935	0.155278429	0.00269869	169.6403656	0.013632938	0.009859913	0.001466708	0.002271425	0.000877321	0.394317627	2.42872E-06	0.000749301	0.001682677	0.003371847	0.00233469
2098 Oct	0.004461622	0.130070105	1.03258E-05	4.175715446	30.49521255	0.153201744	0.002740085	171.8693542	0.013763688	0.009630623	0.001449958	0.002292677	0.000885036	0.393648267	2.38767E-06	0.00075827	0.001654029	0.003336641	0.002369921
2098 Nov	0.004457023	0.127922833	1.02499E-05	4.160601616	30.48387146	0.152115867	0.002744989	171.9876251	0.013760626	0.009560244	0.001440366	0.002291645	0.000884573	0.392366976	2.37278E-06	0.000758704	0.001640694	0.003318202	0.002372738
2098 Dec	0.00446623	0.127891093	1.02534E-05	4.16782093	30.5560627	0.15237312	0.00275147	172.4217377	0.013793159	0.009560315	0.001442974	0.002297225	0.000886674	0.393108994	2.3743E-06	0.000760512	0.001643169	0.003323028	0.002378931
2099 Jan	0.00447222	0.127867818	1.02545E-05	4.172518253	30.60364151	0.152547181	0.002755674	172.7077179	0.013814542	0.009559162	0.001444711	0.002300905	0.000888056	0.393596888	2.37507E-06	0.000761694	0.00164483	0.003326084	0.002383019
2099 Feb	0.004476175	0.127870277	1.02559E-05	4.17570734	30.63471222	0.152668461	0.002758398	172.8929138	0.013828475	0.009559159	0.001445889	0.002303296	0.000888956	0.393925607	2.3757E-06	0.000762463	0.001646002	0.003328174	0.002385659
2099 Mar	0.004482003	0.128036901	1.02688E-05	4.181147099	30.674757	0.152869582	0.002761989	173.1188202	0.01384652	0.009571269	0.001447773	0.002306302	0.000890115	0.394440562	2.37872E-06	0.000763457	0.001648159	0.003332454	0.002388778
2099 Apr	0.00450299	0.129217967	1.03236E-05	4.203542233	30.81095886	0.153855503	0.002773352	173.8276825	0.013905871	0.009630877	0.001455173	0.002315826	0.00089386	0.396561414	2.39096E-06	0.000766643	0.00165849	0.003347835	0.002398265
2099 May	0.004158036	0.142111152	1.01464E-05	3.991396189	28.05798721	0.15097779	0.002496066	156.0645905	0.012610854	0.009748693	0.001393521	0.002089841	0.000810649	0.375307113	2.32052E-06	0.000692196	0.001631318	0.003153085	0.002141345
2099 Jun	0.003981625	0.142696425	9.98979E-06	3.854428291	26.74449921	0.146877274	0.002368619	148.1460571	0.012015293	0.009643856	0.00135472	0.001990998	0.000772855	0.361674666	2.27388E-06	0.000658428	0.001594618	0.00306655	0.002029657
2099 Jul	0.004157918	0.145754069	1.03188E-05	4.008644104	28.00136757	0.152302936	0.002480529	155.4455414	0.012586909	0.009910455	0.001407469	0.002088027	0.000809485	0.376448482	2.35348E-06	0.000689909	0.001652336	0.003193062	0.002132049
2099 Aug	0.004339339	0.147618771	1.06036E-05	4.164382935	29.32047653	0.157550037	0.002602133	163.1931305	0.013186082	0.010114178	0.001458646	0.002188251	0.000848025	0.391498655	2.42511E-06	0.000723095	0.001704028	0.003308207	0.002241176
2099 Sep	0.004360436	0.142528653	1.0479E-05	4.158905506	29.55667686	0.156103551	0.002634589	165.0460052	0.013301419	0.009929836	0.001448239	0.002207221	0.00085519	0.391346276	2.40387E-06	0.000730356	0.001682542	0.003291938	0.002270089
2099 Oct	0.00437669	0.137993991	1.03401E-05	4.148033142	29.73874664	0.154594153	0.002662102	166.5333099	0.013389073	0.009784187	0.001437156	0.002221812	0.000860405	0.390758812	2.37908E-06	0.000736377	0.001662915	0.003271841	0.002293646
2099 Nov	0.004380935	0.135435849	1.02531E-05	4.138101101	29.80759621	0.153655931	0.002673995	167.168335	0.013422987	0.009693449	0.001430021	0.002227529	0.000862374	0.390068114	2.36299E-06	0.000738861	0.00165099	0.00325783	0.00230404
2099 Dec	0.004387119	0.135430753	1.02566E-05	4.143020153	29.85542488	0.153829798	0.002678307	167.4547577	0.013444561	0.009694859	0.001431779	0.002231219	0.000863766	0.390568525	2.36425E-06	0.00074006	0.001652687	0.003261202	0.002308123
2100 Jan	0.004396508	0.135359824	1.02568E-05	4.150223732	29.93097305	0.154094025	0.002684982	167.9118347	0.013478553	0.009691091	0.001434476	0.002237093	0.000865966	0.391323179	2.36516E-06	0.000741941	0.001655186	0.003265869	0.002314681
2100 Feb	0.004399606	0.135352522	1.02573E-05	4.152679443	29.95562744	0.15418762	0.002687139	168.0595093	0.013489607	0.009690427	0.00143539	0.002238996	0.00086668	0.391578794	2.36554E-06	0.000742551	0.001656079	0.003267444	0.002316795
2100 Mar	0.004400821	0.135394171	1.02601E-05	4.153847694	29.96390724	0.154233038	0.00268787	168.105484	0.013493309	0.009693088	0.001435791	0.002239608	0.000866917	0.391689718	2.36617E-06	0.000742754	0.001656561	0.003268326	0.002317427
2100 Apr	0.004419446	0.135971889	1.03036E-05	4.171451092	30.09065247	0.154887825	0.002699233	168.8160858	0.013550371	0.009734255	0.001441873	0.002249076	0.000870583	0.393349528	2.3762E-06	0.000745894	0.001663592	0.003282161	0.002327221
2100 May	0.004397477	0.140505433	1.03235E-05	4.176773071	29.89962769	0.156751588	0.002668781	167.2327728	0.013449008	0.00980505	0.001459348	0.002231997	0.000865109	0.39391163	2.37679E-06	0.000739148	0.001685207	0.003281748	0.002303613
2100 Jun	0.003895196	0.141202316	9.88164E-06	3.780577421	26.13372421	0.144215524	0.002311517	144.6218414	0.011743355	0.009523197	0.001337342	0.001946507	0.000756222	0.354388505	2.24495E-06	0.000643105	0.001568784	0.003021317	0.001983683
2100 Jul	0.003980888	0.139925763	9.97444E-06	3.84254241	26.80746651	0.145900071	0.002371667	148.8126678	0.012058378	0.009539036	0.001356082	0.002002965	0.000776158	0.360485345	2.27156E-06	0.00066056	0.001588481	0.003086207	0.002044438
2100 Aug	0.004014992	0.136906907	9.97484E-06	3.857223511	27.09230423	0.145385206	0.00240469	150.8009033	0.012196824	0.009454828	0.001353514	0.002025237	0.000784873	0.361925602	2.2755E-06	0.000668573	0.001576651	0.00309134	0.002074213
2100 Sep	0.004104444	0.134203553	9.98231E-06	3.918726444	27.81620598	0.146794558	0.002476725	155.3621216	0.012529582	0.009383953	0.001369422	0.002081125	0.000806207	0.368244082	2.28576E-06	0.00068743	0.001585458	0.003127093	0.002140481
2100 Oct	0.004189605	0.132998347	9.98943E-06	3.980487585	28.49094009	0.14872162	0.002540138	159.5010071	0.01283498	0.009362068	0.001389803	0.002133279	0.000825798	0.374678314	2.29512E-06	0.000704684	0.001602979	0.003165754	0.002200139
2100 Nov	0.004205782	0.132909209	1.00003E-05	3.992838383	28.61378098	0.149102494	0.002551859	160.2443848	0.012890656	0.009368828	0.00139371	0.002142677	0.000829357	0.37592414	2.29872E-06	0.000707838	0.001606608	0.003173986	0.002210779
2100 Dec	0.004217773	0.132899433	1.00063E-05	4.002398968	28.70720482	0.149448454	0.002560187	160.8035736	0.012932746	0.009370365	0.001397202	0.002149898	0.000832076	0.376901239	2.30097E-06	0.00071017	0.001609983	0.003180518	0.002218761
2101 Jan	0.004233165	0.13279672	1.00076E-05	4.014265537	28.83048439	0.149882138	0.0025711	161.5484467	0.01298823	0.009365389	0.001401631	0.002159477	0.000835666	0.378139883	2.30267E-06	0.000713242	0.001614104	0.003188274	0.002229455
2101 Feb	0.00424088	0.132748827	1.00081E-05	4.020233154	28.8923378	0.150102749	0.002576557	161.9217529	0.013016041	0.009362759	0.001403862	0.002164279	0.000837466	0.378763616	2.30348E-06	0.000714781	0.001616198	0.003192141	0.002234819
2101 Mar	0.004242278	0.132777855	1.00103E-05	4.021490574	28.90242767	0.15015094	0.002577445	161.979599	0.013020566	0.009364636	0.001404308	0.00216504	0.000837757	0.378886342	2.30402E-06	0.000715029	0.001616696	0.003193059	0.002235629
2101 Apr	0.004253269	0.133121312	1.00355E-05	4.031909943	28.97760201	0.150543824	0.002584124	162.4008026	0.013054377	0.009388268	0.001407944	0.002170662	0.000839931	0.379871339	2.30985E-06	0.000716884	0.001620905	0.003201228	0.002241446
2101 May	0.004122071	0.138516709	1.00621E-05	3.953120708	27.89720726	0.149229079	0.002476552	155.4356232	0.012552808	0.009519417	0.001391968	0.002083938	0.000808399	0.371580482	2.30148E-06	0.000688123	0.0016122	0.003144971	0.002140267

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.00382881	0.140548617	9.85132E-06	3.729081154	25.66710091	0.14248687	0.002263445	141.9002991	0.011539359	0.009426271	0.00132509	0.001913748	0.000743766	0.349088281	2.23325E-06	0.000630942	0.001551528	0.002998531	0.001947843
2101 Jul	0.003996334	0.144428581	1.02004E-05	3.881293535	26.84521484	0.148021609	0.002367735	148.6462708	0.01207367	0.009727756	0.001378035	0.002004289	0.000778068	0.363561094	2.31571E-06	0.000660288	0.001611832	0.003125106	0.002042121
2101 Aug	0.004186074	0.147722557	1.05176E-05	4.049064159	28.2094059	0.154086918	0.002490078	156.5398102	0.012689886	0.009986672	0.001436595	0.002107875	0.000817778	0.379783034	2.39399E-06	0.000694247	0.001674169	0.003251895	0.002152977
2101 Sep	0.00424899	0.143372491	1.04502E-05	4.079970837	28.74746323	0.154001579	0.002549591	160.135788	0.012940428	0.009856796	0.001438631	0.002149581	0.000833579	0.383210301	2.38747E-06	0.000709016	0.001666764	0.003261536	0.002206436
2101 Oct	0.004344435	0.140798807	1.04112E-05	4.142874718	29.52363968	0.155690536	0.002624785	164.9996185	0.013292854	0.009783044	0.001457591	0.002209804	0.000856082	0.389952451	2.38901E-06	0.000729171	0.001680417	0.003296856	0.002277259
2101 Nov	0.004339304	0.13726908	1.02922E-05	4.11994791	29.52542114	0.15398021	0.002634041	165.3204956	0.013297776	0.009668101	0.001443052	0.002210167	0.00085599	0.388026506	2.36595E-06	0.000730387	0.001659735	0.003270361	0.002283668
2101 Dec	0.004334818	0.136901826	1.02848E-05	4.114211559	29.48955345	0.153619081	0.002632536	165.1402893	0.01328237	0.009664756	0.00143969	0.002207291	0.000854912	0.387450784	2.36414E-06	0.000729695	0.001655789	0.003265351	0.002281269
2102 Jan	0.004341893	0.136850238	1.0285E-05	4.119642258	29.54637718	0.15381819	0.002637571	165.4838409	0.013307919	0.00966205	0.001441695	0.002211698	0.000856563	0.3880198	2.36482E-06	0.000731111	0.001657664	0.003268818	0.002286211
2102 Feb	0.004342828	0.136876017	1.02861E-05	4.120515347	29.55320168	0.153855681	0.002638148	165.5222168	0.013310923	0.009663123	0.001441999	0.0022122	0.000856754	0.388106912	2.36512E-06	0.000731274	0.001658038	0.003269371	0.002286748
2102 Mar	0.004344708	0.136931553	1.02898E-05	4.122283459	29.56629944	0.153924331	0.002639299	165.5958099	0.013316785	0.009666645	0.001442618	0.002213176	0.000857131	0.388276428	2.366E-06	0.000731595	0.00165876	0.003270693	0.002287769
2102 Apr	0.004352928	0.137196958	1.03094E-05	4.130113602	29.62214661	0.154218331	0.002644276	165.907959	0.013341918	0.009685119	0.001445353	0.002217349	0.000858748	0.389013886	2.3705E-06	0.000732975	0.001661926	0.003276882	0.002292078
2102 May	0.004393252	0.138471648	1.04047E-05	4.168392181	29.8966198	0.155650228	0.002668757	167.4448242	0.013465514	0.009774719	0.001458769	0.002237891	0.000866704	0.392620444	2.39242E-06	0.000739764	0.001677353	0.003307224	0.002313311
2102 Jun	0.00398203	0.127010584	1.00799E-05	3.785900354	26.9479351	0.139236242	0.002403667	151.0148163	0.012192845	0.009356364	0.001304395	0.002037751	0.000782497	0.353870571	2.29669E-06	0.000669476	0.001534602	0.003153203	0.002086698
2102 Jul	0.003817241	0.123650402	1.00977E-05	3.637048006	25.70197296	0.13248466	0.00229235	143.9881897	0.011660777	0.009323315	0.001240438	0.001953757	0.000746997	0.338178486	2.28702E-06	0.000640046	0.001478893	0.003112278	0.001988988
2102 Aug	0.00391296	0.124861196	1.02954E-05	3.72034359	26.37421989	0.135090411	0.002356048	147.9260712	0.011968398	0.009468608	0.001265723	0.002004375	0.000766702	0.346017838	2.33393E-06	0.000657122	0.001503953	0.003175332	0.002044481
2102 Sep	0.003940899	0.124197908	1.03373E-05	3.740394115	26.571455	0.135300711	0.002379729	149.1646118	0.012060078	0.009492144	0.001268003	0.002018256	0.000772463	0.347884476	2.34463E-06	0.000662579	0.001503419	0.003184289	0.002062372
2102 Oct	0.003872302	0.119908482	1.01181E-05	3.661916971	26.08818626	0.131471559	0.00234954	146.6315918	0.011842554	0.00932457	0.001232515	0.00197892	0.000758025	0.340558022	2.29607E-06	0.000651872	0.001458558	0.003103814	0.002028361
2102 Nov	0.00390472	0.119747758	1.013E-05	3.686930418	26.34007454	0.132323131	0.002372764	148.1504974	0.011956023	0.009327142	0.001241195	0.001998198	0.000765332	0.343127668	2.30135E-06	0.000658233	0.001466545	0.00311965	0.002050168
2102 Dec	0.003919718	0.119690143	1.01336E-05	3.698684454	26.45880318	0.132753894	0.002383304	148.8643494	0.012009416	0.009325005	0.001245574	0.002007376	0.000768788	0.344345272	2.30342E-06	0.00066119	0.001470659	0.003127334	0.002060413
2103 Jan	0.003920859	0.119700417	1.01345E-05	3.699644804	26.46741104	0.132790178	0.002384071	148.9148407	0.012013266	0.00932569	0.001245909	0.002008027	0.000769036	0.34444207	2.3037E-06	0.000661403	0.001471014	0.003127961	0.00206113
2103 Feb	0.003921705	0.11973808	1.01369E-05	3.700499773	26.47294617	0.132824004	0.002384554	148.9447632	0.012015739	0.00932805	0.001246191	0.002008433	0.000769192	0.344521672	2.30423E-06	0.000661538	0.001471382	0.003128638	0.002061538
2103 Mar	0.003923689	0.119805127	1.01421E-05	3.702403069	26.48624611	0.132894039	0.002385743	149.0189362	0.012021755	0.00933296	0.001246828	0.002009434	0.000769577	0.344698906	2.30541E-06	0.000661868	0.001472155	0.003130221	0.002062562
2103 Apr	0.003934119	0.120127283	1.01691E-05	3.712262392	26.55659676	0.13324891	0.002392075	149.4143829	0.012053673	0.009357877	0.001250147	0.002014767	0.00077162	0.345616817	2.31155E-06	0.000663625	0.001476084	0.003138542	0.002068033
2103 May	0.004014584	0.124286644	1.02155E-05	3.7974367 14	27.16270828	0.137927964	0.002434783	152.6182861	0.012309648	0.009427167	0.001295089	0.002057933	0.000789146	0.354431242	2.32656E-06	0.000676861	0.001523022	0.003184232	0.002112797
2103 Jun	0.003738303	0.127828851	9.82549E-06	3.595462322	25.13640022	0.13365984	0.002227986	140.0808258	0.011367583	0.009189224	0.001252106	0.001900003	0.00073026	0.335100412	2.22426E-06	0.000622765	0.001482852	0.003023012	0.001934528
2103 Jul	0.003787314	0.127804786	9.97463E-06	3.632252932	25.47432327	0.134387642	0.002258827	142.1726685	0.011531163	0.009282238	0.001260482	0.001929036	0.000740345	0.33833155	2.25803E-06	0.000631816	0.001492611	0.003070267	0.001964777
2103 Aug	0.003821186	0.12598066	1.00448E-05	3.644872427	25.69414902	0.133720979	0.002283866	143.7283783	0.011641438	0.009273862	0.001257252	0.001945439	0.000747034	0.339360893	2.27503E-06	0.000638176	0.001477497	0.003074402	0.001988146
2103 Sep	0.003888866	0.122973315	9.98934E-06	3.684004307	26.24270821	0.134255469	0.002343733	147.2584229	0.011890911	0.00920123	0.001264297	0.001986247	0.000762807	0.343641639	2.27069E-06	0.000652983	0.001477379	0.003084701	0.002040115
2103 Oct	0.003832675	0.118095666	9.79519E-06	3.612142324	25.83822441	0.130213931	0.002326041	145.2531738	0.011711286	0.009065534	0.001226576	0.001952505	0.000750521	0.33687377	2.22816E-06	0.000644859	0.001430251	0.003008176	0.002013747
2103 Nov	0.003828387	0.116850995	9.75378E-06	3.601775408	25.81070518	0.129445091	0.00232863	145.194458	0.011699639	0.009036661	0.001219582	0.001949657	0.000749579	0.33594662	2.21979E-06	0.000644711	0.001420766	0.002993982	0.002013499
2103 Dec	0.003842297	0.116782047	9.75636E-06	3.612609863	25.92122269	0.129840508	0.002338456	145.8601379	0.01174935	0.009033881	0.001223607	0.001958209	0.000752796	0.337071776	2.22158E-06	0.000647466	0.001424532	0.003001036	0.002023074
2104 Jan	0.003842935	0.116789453	9.75678E-06	3.613154173	25.92602348	0.129861876	0.002338886	145.888092	0.011751479	0.009034256	0.001223788	0.001958564	0.000752932	0.337127119	2.22171E-06	0.000647584	0.001424735	0.003001352	0.002023471
2104 Feb	0.003843181	0.116811879	9.75764E-06	3.613457203	25.92746162	0.129876718	0.002338995	145.8946533	0.01175208	0.009035276	0.001223882	0.001958655	0.000752968	0.337155372	2.2219E-06	0.000647615	0.001424891	0.003001546	0.002023553
2104 Mar	0.003845244	0.116882689	9.76301E-06	3.615436554	25.94126511	0.129949987	0.002340229	145.9714966	0.011758311	0.009040367	0.001224548	0.001959688	0.000753367	0.337340057	2.22311E-06	0.000647957	0.001425691	0.00300316	0.002024615
2104 Apr	0.003861476	0.117379174	9.8042E-06	3.630712986	26.05075073	0.130500302	0.0023501	146.5872192	0.011807919	0.009078557	0.001229721	0.001967955	0.000756545	0.33876577	2.23249E-06	0.00065069	0.001431725	0.003015827	0.002033154
2104 May	0.003792957	0.124334663	9.85031E-06	3.610645533	25.45696068	0.131995529	0.002281474	142.3627167	0.011517762	0.00922727	0.001240624	0.001917004	0.000739091	0.336569667	2.2332E-06	0.000633249	0.00145033	0.002991901	0.001970271
2104 Jun	0.003476738	0.127395913	9.54493E-06	3.375024796	23.07987595	0.125703722	0.002049852	127.8057098	0.010427244	0.009069738	0.001176294	0.001733233	0.000670003	0.313284725	2.1442E-06	0.000571347	0.001392265	0.002821789	0.001762061
2104 Jul	0.003567902	0.129101038	9.77938E-06	3.454408169	23.70670891	0.128225982	0.002106042	131.4632721	0.010717597	0.00925531	0.001201147	0.001782923	0.000688392	0.320616186	2.19791E-06	0.000587329	0.001420818	0.002897659	0.001813738
2104 Aug	0.003666251	0.129538491	9.94138E-06	3.535663128	24.41749382	0.130678758	0.002173301	135.7006836	0.011043187	0.009355308	0.001225611	0.001836837	0.000709246	0.328398496	2.23825E-06	0.000605437	0.001443069	0.002956757	0.001874129
2104 Sep	0.003687879	0.126001403	9.86845E-06	3.538287163	24.62368584	0.129772693	0.002202438	137.2298737	0.011141597	0.009241354	0.001218173	0.00185181	0.00071533	0.328877866	2.22664E-06	0.000611649	0.001427414	0.002944	0.00189764
2104 Oct	0.00367817	0.122142404	9.74228E-06	3.509303093	24.5743885	0.127574563	0.002211929	137.2675018	0.011122594	0.009142773	0.001198328	0.001846626	0.000713523	0.32633093	2.20158E-06	0.000611982	0.001400537	0.002905944	0.00190004
2104 Nov	0.003674524	0.121243879	9.71868E-06	3.501264334	24.54691696	0.126956642	0.00221347	137.1822052	0.011111225	0.009128531	0.001192619	0.001844031	0.000712615	0.325575441	2.19671E-06	0.00061174	0.001393216	0.002896092	0.001899233
2104 Dec	0.003687315	0.121190816	9.72189E-06	3.511274815	24.64819527	0.127321556	0.00222247	137.7915802	0.011156803	0.009126774	0.001196325	0.001851872	0.000715563	0.326611578	2.19851E-06	0.000614265	0.001396714	0.002902705	0.001908004
2105 Jan	0.003694583	0.121146947	9.72227E-06	3.516905785	24.70646858	0.127530441	0.002227615	138.1430359	0.011182983	0.009124264	0.001198433	0.001856386	0.000717258	0.327200621	2.19925E-06	0.000615713	0.001398689	0.002906304	0.001913074
2105 Feb	0.003695364	0.12116567	9.72327E-06	3.517620325	24.7121563	0.127559811	0.002228104	138.1753235	0.011185506	0.009125181	0.001198683	0.001856809	0.000717419	0.327271432	2.19951E-06	0.000615851	0.001398985	0.002906781	0.001913529
2105 Mar	0.003696105	0.12119405	9.72516E-06	3.51834631	24.71710396	0.127587914	0.00222854	138.2025299	0.011187722	0.00912702	0.001198929	0.001857174	0.000717561	0.32733953	2.19994E-06	0.000615972	0.001399287	0.002907347	0.001913904
2105 Apr	0.003704629	0.121477015	9.74762E-06	3.526477098	24.77406311	0.127883777	0.002233671	138.5206604	0.011213491	0.009148158	0.001201698	0.00186145	0.000719213	0.328096122	2.20502E-06	0.000617391	0.00140253	0.002914051	0.001918307
2105 May	0.003672274	0.126611397	9.78268E-06	3.52631259	24.48335648	0.12958999	0.002195301	136.2829437	0.011065418	0.009251658	0.001215786	0.001835456	0.000710629	0.328012526	2.20742E-06	0.000608118	0.001422348	0.002906716	0.001884548
2105 Jun	0.003541217	0.131489709	9.75715E-06	3.446271896	23.44379616	0.128455833	0.002088104	129.5981445	0.010581869	0.009319126	0.001201655	0.001753406	0.000680353	0.319820523	2.18929E-06	0.000580123	0.001416273	0.002852053	0.001787397
2105 Jul	0.003658816	0.133277848	9.99256E-06	3.546414852	24.27126503	0.131772116	0.002162414	134.443985	0.010960621	0.009500389	0.001234628	0.001817367	0.000704534	0.329333097	2.24541E-06	0.000601012	0.001450532	0.002935069	0.001856117
2105 Aug	0.003723391	0.129086062	9.94563E-06	3.57899332	24.82136726	0.131820038	0.002218941	138.1216736	0.011218862	0.009343221	0.001238342	0.001860295	0.000720955	0.332863063	2.24309E-06	0.000615677	0.001441406	0.002946276	0.001911061
2105 Sep	0.003805309	0.12244603	9.78201E-06	3.61576581	25.55636787	0.131616786	0.00230057	143.0693359	0.011558148	0.009100121	0.001239666	0.001916655	0.000742422	0.337268561	2.21991E-06	0.000635743	0.001428792	0.00294705	0.001985308
2105 Oct	0.003868089	0.118080936	9.64874E-06	3.642780304	26.10003853	0.131590322	0.002360832	146.68927	0.011805759	0.008961588	0.001242002	0.001958216	0.00075791	0.340635866	2.20023E-06	0.00065072	0.00142335	0.002947622	0.002039533
2105 Nov	0.003865457	0.116656065	9.60234E-06	3.632807493	26.0903511	0.130814672	0.002364896	146.7546997	0.011802679	0.008925308	0.00123502	0.001957128	0.000757488	0.339773357	2.19111E-06	0.000651055	0.00141406	0.002934872	0.002041178
2105 Dec	0.003873634	0.116611682	9.60398E-06	3.63915062	26.15526199	0.131043777	0.002370687	147.1461334	0.011831899	0.00892382	0.001237353	0.001962157	0.000759377	0.340431541	2.19218E-06	0.000652676	0.001416249	0.002939037	0.002046826
2106 Jan	0.003874172	0.116618194	9.6043E-06	3.639609814	26.15935111	0.131062046	0.002371048	147.1696777	0.011833692	0.008924126	0.001237503	0.001962456	0.000759491	0.34047845	2.19229E-06	0.000652776	0.001416423	0.002939298	0.002047161
2106 Feb	0.003874298	0.116634667	9.6047E-06	3.639790058	26.16003036	0.131072551	0.002371091	147.1723938	0.011833965	0.008924687	0.001237557	0.001962493	0.000759507	0.340495795	2.19237E-06	0.000652789	0.001416529	0.002939382	0.002047193
2106 Mar	0.003875302	0.116673149	9.60732E-06	3.640772581	26.1666832	0.131110102	0.002371683	147.2089691	0.011836947	0.008927246	0.001237887	0.001962983	0.000759697	0.340587676	2.19296E-06	0.000652952	0.001416932	0.002940146	0.002047697
2106 Apr	0.003887066	0.117032059	9.63657E-06	3.651847601	26.24604797	0.131510183	0.00237887	147.6549835	0.011872834	0.008954487	0.00124165	0.001968931	0.000762	0.341623694	2.19963E-06	0.000654931	0.001421254	0.002949073	0.002053899
2106 May	0.003921779	0.119777597	9.72858E-06	3.693097115	26.47438812	0.133648992	0.002394578	148.7686768	0.01196984	0.009059375	0.001261426	0.001985027	0.000768592	0.345588028	2.21995E-06	0.000659868	0.001444559	0.00297875	0.002068829
2106 Jun	0.003569123	0.122250438	9.47066E-06	3.425939083	23.83602905	0.125988021	0.002134902	132.7581024	0.010774177	0.008916984	0.001183826	0.001788299	0.000692231	0.318812072	2.13785E-06	0.000591826	0.001381965	0.002825452	0.001840112
2106 Jul	0.00364989	0.123028047	9.71295E-06	3.4925282	24.39710236	0.127753779	0.002184861	136.1310577	0.011041582	0.009086833	0.001201922	0.001835922	0.000708877	0.32476756	2.19261E-06	0.000606529	0.00140547	0.002906508	0.001888546
2106 Aug	0.003723686	0.120261408	9.74669E-06	3.537330866	24.9728241	0.128314018	0.002242635	139.8575897	0.011311217	0.009016825	0.001210277	0.001880137	0.000725995	0.329264581	2.20643E-06	0.000621721	0.001402281	0.002929751	0.001943555
2106 Sep	0.003806229	0.115190588	9.65235E-06	3.583473206	25.68342781	0.128708079	0.002319866	144.5206604	0.011638251	0.008839195	0.001216368	0.001933845	0.000746838	0.334349364	2.19647E-06	0.000640775	0.001396396	0.002939956	0.002012917
2106 Oct	0.003911415	0.113347493	9.63531E-06	3.65764451	26.5214386	0.130955175	0.002400251	149.6832275	0.012016275	0.008798174	0.001239995	0.001998022	0.000771029	0.342186898	2.20284E-06	0.000662328	0.001416016	0.002981492	0.002088104
2106 Nov	0.003934081	0.113422655	9.65262E-06	3.676137447	26.69469452	0.131622061	0.00241577	150.7127991	0.012094352	0.008807983	0.001246647	0.00201135	0.000776067	0.344052136	2.20824E-06	0.000666655	0.001422624	0.002994417	0.00210287
2106 Dec	0.003943846	0.113387272	9.6552E-06	3.683801889	26.77195358	0.131902874	0.002422624	151.1771851	0.012129109	0.008806839	0.001249495	0.002017331	0.000778316	0.344845176	2.20963E-06	0.00066858	0.001425327	0.002999495	0.00210957
2107 Jan	0.003944591	0.11339248	9.65567E-06	3.684421778	26.77763367	0.131926492	0.00242313	151.2106018	0.012131647	0.00880716	0.001249711	0.002017761	0.000778479	0.344908178	2.20979E-06	0.000668721	0.001425557	0.002999891	0.002110048
2107 Feb	0.003945593	0.113418832	9.65749E-06	3.685348988	26.78470993	0.131962359	0.002423752	151.2506714	0.012134815	0.008808824	0.001250031	0.00201829	0.000778682	0.344997704	2.21023E-06	0.000668894	0.001425929	0.003000572	0.002110611
2107 Mar	0.003948281	0.113495171	9.66376E-06	3.687856197	26.80309105	0.132053584	0.002425405	151.3544922	0.012143121	0.008814543	0.001250884	0.002019672	0.000779215	0.345233828	2.21167E-06	0.000669352	0.001426907	0.003002575	0.002112061
2107 Apr	0.003954296	0.113669187	9.67841E-06	3.693479776	26.84393692	0.132255718	0.002429097	151.5850067	0.012161617	0.008827931	0.001252791	0.002022748	0.000780401	0.345760673	2.21503E-06	0.000670371	0.001429089	0.003007138	0.002115278
2107 May	0.003887683	0.116969451	9.69461E-06	3.65633893	26.29157448	0.131886214	0.002372923	147.969162	0.011903081	0.008906249	0.001247005	0.001977953	0.000764222	0.34184587	2.21123E-06	0.000655455	0.001427957	0.002979278	0.002062054
2107 Jun	0.003629931	0.123717993	9.63873E-06	3.483730793	24.25077438	0.127947688	0.002171733	135.1299286	0.01096448	0.009012392	0.001203398	0.001818613	0.000704737	0.324113339	2.17538E-06	0.00060191	0.001398006	0.002866618	0.001875489
2107 Jul	0.00372467	0.124299087	9.81384E-06	3.559218645	24.92869568	0.130218267	0.002232739	139.1942749	0.011277919	0.00912599	0.001226934	0.001872117	0.000724627	0.331304073	2.218E-06	0.000619229	0.001420959	0.002932409	0.001933898
2107 Aug	0.003867526	0.125984073	1.00462E-05	3.68056798	25.95820427	0.134331062	0.002326251	145.2383728	0.011745889	0.009296458	0.001267562	0.001950636	0.000754678	0.343028367	2.27572E-06	0.0006451	0.001461643	0.003023885	0.002019984
2107 Sep	0.003999771	0.124924071	1.01069E-05	3.780973673	26.98016548	0.137494221	0.002423151	151.4396667	0.012208189	0.00931566	0.001299767	0.002028792	0.000784303	0.353269219	2.29952E-06	0.000671214	0.001490913	0.003087841	0.00210977
2107 Oct	0.004053522	0.122118279	1.00239E-05	3.809217691	27.43560028	0.137895927	0.002471308	154.3968658	0.012414658	0.009225662	0.001305369	0.002063587	0.000797328	0.356562644	2.28857E-06	0.000683461	0.001491437	0.003094882	0.002153817
2107 Nov	0.004046675	0.121199802	9.99132E-06	3.798666954	27.38866615	0.137239575	0.002470482	154.1952362	0.012394266	0.009202538	0.001299252	0.002059673	0.000795862	0.35558477	2.28169E-06	0.000682673	0.001483891	0.003083561	0.00215137
2107 Dec	0.004066593	0.121079445	9.99351E-06	3.814092398	27.54797554	0.137805849	0.002484587	155.1565399	0.012465927	0.00919668	0.001305027	0.002072037	0.000800501	0.357193649	2.28394E-06	0.000686641	0.001489289	0.003093622	0.002165288
2108 Jan	0.004072843	0.121051461	9.9944E-06	3.81897831	27.59778786	0.13798745	0.002488986	155.456192	0.012488304	0.009195179	0.001306847	0.002075892	0.000801948	0.357702494	2.28469E-06	0.000687879	0.001491023	0.003096786	0.002169623
2108 Feb	0.004074189	0.121061608	9.99512E-06	3.820108414	27.60819626	0.138032272	0.002489889	155.5173187	0.012492945	0.009195537	0.001307259	0.002076684	0.000802247	0.357818127	2.28494E-06	0.000688134	0.00149146	0.003097513	0.002170501
2108 Mar	0.004077199	0.121154733	1.00024E-05	3.822948933	27.62859726	0.138136744	0.002491719	155.6318359	0.012502153	0.009202312	0.001308229	0.002078212	0.000802838	0.358084887	2.28661E-06	0.000688641	0.001492583	0.003099781	0.002172097
2108 Apr	0.004100706	0.121883504	1.00606E-05	3.845136404	27.78744507	0.138946354	0.002506004	156.5235596	0.012573935	0.009256273	0.001315804	0.002090126	0.000807444	0.360162944	2.29988E-06	0.00069259	0.00150132	0.003117663	0.002184526

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.004148086	0.123814024	1.01844E-05	3.892122507	28.10227013	0.140795127	0.002533466	158.2442017	0.012714706	0.009377313	0.001332328	0.002113312	0.000816489	0.36456728	2.32776E-06	0.000700259	0.001521238	0.003154327	0.002208293
2108 Jun	0.003795962	0.123270482	1.00699E-05	3.609711647	25.42447472	0.130609229	0.002283855	142.3555603	0.011524964	0.009323155	0.001230933	0.001918287	0.000739175	0.335480869	2.27495E-06	0.000633598	0.00143693	0.003021413	0.001981393
2108 Jul	0.003911247	0.125869766	1.03929E-05	3.713824272	26.2161026	0.134021476	0.002354263	146.9302521	0.011892186	0.009588977	0.001263817	0.00198194	0.00076241	0.345018208	2.34799E-06	0.000653769	0.001478275	0.00312748	0.002046141
2108 Aug	0.004097139	0.129161552	1.07433E-05	3.87846303	27.53597069	0.139775321	0.002474026	154.5709534	0.012490947	0.009874229	0.001319446	0.002082314	0.000800891	0.36076203	2.43222E-06	0.000686829	0.001537801	0.003255665	0.002154376
2108 Sep	0.004197422	0.128127337	1.07741E-05	3.954320192	28.32123566	0.142186776	0.002548176	159.3491516	0.01284592	0.009864453	0.001344086	0.002142246	0.000823717	0.368552715	2.44734E-06	0.000706807	0.001559124	0.003301671	0.002223778
2108 Oct	0.004103176	0.122690529	1.04937E-05	3.849677324	27.65800858	0.137180045	0.002504886	155.8338776	0.012547898	0.009651898	0.001296792	0.002089157	0.000803901	0.358729571	2.38479E-06	0.000691971	0.001502085	0.003199781	0.002175946
2108 Nov	0.004098692	0.121964917	1.04691E-05	3.841935635	27.62509346	0.136656255	0.002505151	155.6987915	0.012533452	0.009637263	0.001291894	0.00208612	0.00080284	0.358013272	2.37962E-06	0.000691489	0.001495823	0.00319011	0.002174362
2108 Dec	0.004113268	0.121894099	1.04715E-05	3.853300571	27.74113274	0.137074351	0.00251543	156.3975372	0.012585627	0.009633981	0.001296146	0.002095106	0.000806217	0.359195113	2.38143E-06	0.000694377	0.001499811	0.003197512	0.002184484
2109 Jan	0.004114318	0.121899426	1.0472E-05	3.854165792	27.74921799	0.137107506	0.002516148	156.445282	0.012589238	0.009634267	0.001296451	0.002095718	0.000806449	0.359283745	2.38162E-06	0.000694577	0.00150013	0.003198051	0.002185171
2109 Feb	0.004114893	0.121926129	1.04735E-05	3.854752541	27.75301933	0.137131765	0.002516475	156.4656982	0.012590919	0.009635773	0.001296645	0.002095992	0.000806556	0.359339088	2.38195E-06	0.000694668	0.001500387	0.00319848	0.002185452
2109 Mar	0.004118123	0.122028306	1.04818E-05	3.857809067	27.7747097	0.137242302	0.002518432	156.5873108	0.012600737	0.009643516	0.001297669	0.002097623	0.000807184	0.359624058	2.38384E-06	0.000695209	0.001501593	0.00320099	0.002187147
2109 Apr	0.004134205	0.122511454	1.05229E-05	3.872906446	27.88308144	0.137781158	0.00252825	157.1976166	0.01264988	0.009681371	0.001302744	0.002105799	0.000810331	0.361031443	2.39317E-06	0.00069792	0.001507485	0.003213492	0.002195668
2109 May	0.004038191	0.127353087	1.0533E-05	3.820059776	27.0920887	0.137382746	0.002447027	152.0021362	0.012278143	0.009781817	0.001295632	0.00204127	0.000787158	0.355518371	2.3851E-06	0.000676401	0.001506599	0.003171072	0.002119034
2109 Jun	0.003839234	0.134527564	1.05174E-05	3.696802139	25.49331474	0.135273337	0.002286186	141.7586212	0.011536448	0.009911981	0.001270037	0.001914322	0.000740504	0.342776656	2.36224E-06	0.000633766	0.001492538	0.003084985	0.001969104
2109 Jul	0.003968737	0.134066045	1.06539E-05	3.794748783	26.46961212	0.138300762	0.002373586	147.696106	0.011984565	0.009962163	0.001302115	0.001991219	0.000769117	0.352494329	2.40065E-06	0.000658558	0.00152093	0.003161731	0.002055391
2109 Aug	0.004107682	0.133885741	1.08139E-05	3.90104866	27.49786186	0.141545102	0.002467198	153.9207001	0.01245519	0.010032167	0.001336321	0.002070409	0.000799224	0.36297971	2.44425E-06	0.000684644	0.001548871	0.003237315	0.002145547
2109 Sep	0.004215874	0.130139321	1.07195E-05	3.97031951	28.40291977	0.143345743	0.002556343	159.6343384	0.012864697	0.009890808	0.001356322	0.002139835	0.000825451	0.370591551	2.43618E-06	0.000708124	0.00156086	0.003267583	0.002230036
2109 Oct	0.004177939	0.123076782	1.04035E-05	3.903365374	28.21104813	0.139441341	0.002557759	159.0707855	0.012780435	0.009617669	0.001320896	0.002123767	0.000819319	0.364854515	2.37211E-06	0.000705422	0.001513453	0.003188089	0.002225655
2109 Nov	0.00420165	0.122591376	1.04004E-05	3.919733286	28.39869308	0.139892519	0.002576314	160.2331238	0.01286525	0.009609777	0.001325671	0.002138047	0.000824725	0.366578668	2.37366E-06	0.000710304	0.00151721	0.00319683	0.002242694
2109 Dec	0.004218337	0.122514524	1.04036E-05	3.932775497	28.53148079	0.140372619	0.002588064	161.0324249	0.012924975	0.009606302	0.001330549	0.00214834	0.000828591	0.367933244	2.3758E-06	0.000713608	0.001521809	0.003205407	0.002254287
2110 Jan	0.004220712	0.122523956	1.04051E-05	3.934723854	28.54976082	0.140445352	0.002589685	161.1407623	0.01293318	0.009607063	0.001331252	0.00214974	0.00082912	0.36813128	2.3763E-06	0.000714062	0.001522522	0.003206715	0.002255848
2110 Feb	0.004221755	0.122554146	1.0407E-05	3.935699701	28.55706024	0.140483499	0.002590325	161.181839	0.012936441	0.009608927	0.001331586	0.002150283	0.000829329	0.368225306	2.37678E-06	0.000714241	0.00152292	0.00320743	0.002256425
2110 Mar	0.004224083	0.122627854	1.04129E-05	3.937900066	28.57271957	0.140563652	0.002591738	161.2696075	0.012943516	0.009614409	0.001332327	0.002151455	0.000829782	0.368431121	2.3781E-06	0.000714631	0.001523786	0.003209201	0.00225765
2110 Apr	0.00423404	0.122920394	1.04375E-05	3.947198868	28.64001656	0.140896499	0.002597837	161.6490784	0.01297399	0.009637174	0.001335472	0.002156518	0.000831735	0.369301111	2.38372E-06	0.000716313	0.001527393	0.003216766	0.002262961
2110 May	0.004299277	0.124484777	1.04906E-05	4.007481575	29.13578606	0.14360702	0.002638074	164.4600525	0.013192332	0.0096818	0.001361726	0.002193861	0.000846136	0.375421107	2.39948E-06	0.000728062	0.001555022	0.003256658	0.002303123
2110 Jun	0.00410774	0.126713231	1.01081E-05	3.8709247 11	27.83562469	0.14176935	0.002491777	156.3791504	0.012583406	0.009379853	0.001342236	0.002097102	0.000808574	0.36289233	2.30745E-06	0.000692081	0.00154358	0.003160283	0.002188528
2110 Jul	0.004165601	0.127479717	1.02988E-05	3.919065952	28.22565079	0.143010661	0.002526747	158.7121429	0.012769854	0.009517544	0.001354969	0.002129928	0.000820152	0.367135793	2.34988E-06	0.000702328	0.001559688	0.00321816	0.002222112
2110 Aug	0.004060693	0.119495504	1.00512E-05	3.795970201	27.50897598	0.136554554	0.002474891	155.1779633	0.012464768	0.009149567	0.001296692	0.002075214	0.000799988	0.355166823	2.29397E-06	0.000686029	0.001477045	0.0031081	0.002175367
2110 Sep	0.004078399	0.112887613	9.82203E-06	3.780039549	27.74221992	0.134484679	0.002513876	157.1090546	0.012574331	0.008904276	0.001278809	0.002091767	0.000806541	0.35434413	2.25191E-06	0.000693721	0.00144674	0.003066727	0.002206594
2110 Oct	0.004022617	0.107952312	9.62254E-06	3.708169699	27.34367371	0.130438089	0.00249731	155.1407623	0.012397174	0.008776383	0.001240463	0.002058884	0.000794302	0.347600192	2.20843E-06	0.000685863	0.001401123	0.002992381	0.002180618
2110 Nov	0.004029936	0.106710806	9.57362E-06	3.707489491	27.41771126	0.130146697	0.002507436	155.6850128	0.012430727	0.008733314	0.001238169	0.002064319	0.000796334	0.347727418	2.1997E-06	0.000688105	0.001396771	0.002985776	0.002189143
2110 Dec	0.004047402	0.106634609	9.57701E-06	3.721158743	27.55667686	0.130651399	0.002519723	156.5210876	0.012493215	0.008729815	0.001243293	0.002075091	0.000800379	0.349147171	2.20194E-06	0.000691562	0.001401619	0.002994777	0.002201283
2111 Jan	0.0040535	0.106613472	9.57794E-06	3.72596097	27.60528183	0.1308323	0.002523995	156.812851	0.012515028	0.008728428	0.001245097	0.002078851	0.000801791	0.349647284	2.20267E-06	0.000692767	0.001403352	0.002997885	0.00220552
2111 Feb	0.004055048	0.106622092	9.57847E-06	3.727247715	27.61740112	0.130884081	0.00252504	156.8842773	0.012520427	0.008728529	0.001245573	0.002079774	0.000802139	0.349780202	2.20291E-06	0.000693064	0.001403853	0.002998695	0.002206552
2111 Mar	0.004059625	0.10674651	9.58912E-06	3.731476545	27.64861488	0.131035	0.002527879	157.0611267	0.012534548	0.008738304	0.001246987	0.002082118	0.000803044	0.350178063	2.20536E-06	0.000693844	0.001405465	0.003002053	0.002209038
2111 Apr	0.004077211	0.107213609	9.63074E-06	3.747663021	27.76831055	0.131604657	0.002538817	157.7406006	0.012588797	0.008776297	0.001252394	0.002091126	0.000806519	0.351697028	2.21493E-06	0.000696846	0.001411574	0.003015059	0.002218592
2111 May	0.004031102	0.111447684	9.71007E-06	3.731591463	27.35022926	0.132062972	0.002494131	154.8507233	0.012390778	0.008913929	0.001254263	0.002056399	0.000794256	0.349720627	2.22513E-06	0.000685191	0.001419697	0.003005276	0.002175073
2111 Jun	0.003677947	0.12042284	9.58124E-06	3.495696068	24.58990097	0.126981005	0.002218646	137.4782715	0.01111894	0.008995916	0.001197571	0.001841317	0.000713897	0.32570079	2.16627E-06	0.000612328	0.00138127	0.002849005	0.001921418
2111 Jul	0.003847418	0.123445161	9.91766E-06	3.644711733	25.79370689	0.132172391	0.002326134	144.4650726	0.011667643	0.009269523	0.001248109	0.001934702	0.000749023	0.339897871	2.24642E-06	0.000642565	0.001437603	0.002975017	0.002021025
2111 Aug	0.003869268	0.11901027	9.85085E-06	3.641592741	26.01260376	0.130841315	0.0023528	146.1945801	0.011778245	0.009091266	0.001238265	0.001952228	0.000755886	0.339770436	2.23639E-06	0.000648969	0.001413754	0.00296175	0.002048438
2111 Sep	0.004004831	0.115582734	9.83703E-06	3.738376856	27.12107849	0.133535624	0.002459937	153.0974731	0.012283152	0.008974521	0.001266555	0.002037489	0.000788386	0.349857777	2.24657E-06	0.000677392	0.001433595	0.003015905	0.002150008
2111 Oct	0.004019424	0.11142341	9.66921E-06	3.728019476	27.29551506	0.132297307	0.002486249	154.4858856	0.012363078	0.008824786	0.001256348	0.002050591	0.00079309	0.349460989	2.21572E-06	0.000683021	0.001416959	0.002990866	0.002172325
2111 Nov	0.004021896	0.109014809	9.57776E-06	3.716970444	27.3427887	0.131314203	0.002497768	154.9707947	0.012385506	0.008749804	0.001247723	0.002053821	0.000794216	0.348673582	2.1984E-06	0.000685054	0.001404725	0.002972797	0.002180606
2111 Dec	0.004038973	0.10890916	9.58083E-06	3.730137825	27.47833061	0.131784961	0.002509939	155.7891846	0.012446516	0.008746662	0.001252518	0.002064311	0.000798156	0.350041628	2.20054E-06	0.000688449	0.001409217	0.002981358	0.002192521
2112 Jan	0.004045747	0.108883075	9.58175E-06	3.735457182	27.53237915	0.131985039	0.002514692	156.1138763	0.012470778	0.008745003	0.001254513	0.002068494	0.000799726	0.35059607	2.20133E-06	0.000689789	0.001411134	0.002984803	0.002197244
2112 Feb	0.004050899	0.108888127	9.58365E-06	3.739620924	27.57284546	0.132143959	0.002518234	156.3549042	0.012488922	0.008745082	0.001256063	0.002071612	0.000800899	0.351025134	2.20216E-06	0.000690789	0.001412678	0.002987551	0.002200741
2112 Mar	0.004058695	0.109021723	9.59626E-06	3.74648118	27.62897682	0.132392928	0.002523274	156.6797791	0.012514244	0.008755648	0.001258452	0.002075873	0.000802528	0.351690739	2.20528E-06	0.000692188	0.001415252	0.002992705	0.002205373
2112 Apr	0.004074587	0.109430462	9.63227E-06	3.76107049	27.73795509	0.132911026	0.002533199	157.2993164	0.012563567	0.00878829	0.001263375	0.00208407	0.000805692	0.353066206	2.21361E-06	0.000694915	0.001420765	0.003004261	0.002214108
2112 May	0.004058418	0.114516571	9.69262E-06	3.773655891	27.5701828	0.134994268	0.002505944	155.8087463	0.01247274	0.008907776	0.001281091	0.002068325	0.000800694	0.354208499	2.22255E-06	0.000688833	0.001445418	0.003010588	0.002190797
2112 Jun	0.003580349	0.119201779	9.24075E-06	3.41840148	24.00590324	0.125744149	0.002152437	133.9921722	0.010841779	0.008666394	0.001185612	0.001797445	0.000697182	0.319083512	2.09109E-06	0.000595852	0.001366959	0.002777385	0.001875536
2112 Jul	0.003664665	0.118332416	9.38879E-06	3.480936766	24.65280342	0.127364442	0.002209326	138.0084381	0.011148206	0.008727885	0.001203139	0.001853221	0.000716371	0.325014651	2.1282E-06	0.000612744	0.001388505	0.00285376	0.001934673
2112 Aug	0.003886694	0.119282983	9.62273E-06	3.664591551	26.32542419	0.133730531	0.002361094	147.9389954	0.011905322	0.008862492	0.001266324	0.001981405	0.000765187	0.343235642	2.19337E-06	0.000654664	0.001450413	0.002984317	0.002078039
2112 Sep	0.004121881	0.116574369	9.6525E-06	3.842176437	28.20534897	0.139679626	0.002533612	159.3946686	0.012754852	0.008775638	0.001327392	0.002126573	0.000819997	0.361674845	2.22072E-06	0.000702063	0.001503919	0.003095425	0.002245515
2112 Oct	0.004267101	0.114169821	9.61886E-06	3.94620657	29.3789978	0.143069401	0.002642748	166.6072693	0.013283979	0.008692632	0.001362868	0.002217241	0.000854011	0.372719765	2.2275E-06	0.000731898	0.001534123	0.003156229	0.002351403
2112 Nov	0.004332992	0.113629393	9.62605E-06	3.996317387	29.90365601	0.144829854	0.002690174	169.7866058	0.013520264	0.008675409	0.001380892	0.002257826	0.000869257	0.37794438	2.23488E-06	0.000745074	0.001550681	0.003188197	0.002397813
2112 Dec	0.004342071	0.113614738	9.62994E-06	4.003525257	29.97473145	0.145091936	0.002696503	170.2124939	0.013552264	0.008675896	0.001383536	0.002263319	0.000871325	0.378683984	2.23645E-06	0.000746847	0.001553226	0.003193063	0.002403999
2113 Jan	0.004351103	0.113561764	9.63065E-06	4.010528564	30.04710579	0.145351693	0.002702889	170.6489258	0.01358479	0.008672937	0.001386163	0.002268932	0.00087343	0.379416019	2.2374E-06	0.000748646	0.001555696	0.003197584	0.002410366
2113 Feb	0.004352643	0.113581888	9.63222E-06	4.01185894	30.05863571	0.145403147	0.002703899	170.7160492	0.013589949	0.008674116	0.00138664	0.002269807	0.000873763	0.379548967	2.23784E-06	0.00074893	0.001556211	0.003198501	0.00241133
2113 Mar	0.004363178	0.113797933	9.65137E-06	4.021302223	30.1335392	0.145748004	0.002710601	171.1466064	0.013623757	0.008690625	0.001389949	0.002275491	0.000875939	0.38045761	2.24246E-06	0.000750794	0.001559833	0.003205784	0.002417455
2113 Apr	0.00437962	0.114218086	9.68701E-06	4.036416531	30.24745178	0.146296874	0.002720838	171.7942963	0.013675241	0.008722611	0.00139518	0.002284096	0.000879249	0.381890357	2.25077E-06	0.000753631	0.001565694	0.00321778	0.002426611
2113 May	0.004373349	0.11817836	9.75683E-06	4.050939083	30.15327263	0.147942141	0.002704389	170.8576355	0.013622	0.008836717	0.001409192	0.002274375	0.000876401	0.383170247	2.26271E-06	0.000749972	0.001584862	0.003226186	0.002411601
2113 Jun	0.004053643	0.124163404	9.61206E-06	3.825537205	27.66286087	0.142154038	0.00246202	155.3900146	0.012480515	0.008869599	0.001347373	0.002080979	0.000803865	0.36027512	2.20453E-06	0.000685128	0.001536151	0.003075326	0.002185953
2113 Jul	0.004161474	0.125892252	9.85878E-06	3.91719389	28.40928268	0.145064652	0.002529257	159.7671509	0.012824509	0.009058982	0.001376444	0.002139153	0.000825722	0.368854046	2.26189E-06	0.000704097	0.001566785	0.003155715	0.002248712
2113 Aug	0.004328075	0.126352578	1.00454E-05	4.051827908	29.65462303	0.149546504	0.00264249	167.2045898	0.013390462	0.00916063	0.001421657	0.00223479	0.000862101	0.382165134	2.31296E-06	0.000735454	0.001609187	0.003252179	0.002356457
2113 Sep	0.004400925	0.122979939	9.98767E-06	4.094799042	30.26140213	0.150227427	0.002706115	171.1161346	0.01366816	0.009060276	0.001430067	0.002281247	0.000879705	0.386847794	2.30875E-06	0.000751638	0.001610761	0.00326926	0.002414915
2113 Oct	0.004327673	0.116321713	9.72032E-06	4.000415325	29.7608757	0.14506276	0.002681907	168.6956482	0.013448234	0.008849942	0.001381705	0.002241627	0.000864567	0.378022611	2.25097E-06	0.000741562	0.001552398	0.003178086	0.002383156
2113 Nov	0.004325883	0.114809483	9.68616E-06	3.990380526	29.7480278	0.144137338	0.002687498	168.7529297	0.013444463	0.008830063	0.001373132	0.002240015	0.000864	0.377093971	2.24427E-06	0.000742013	0.001541545	0.00316505	0.002384718
2113 Dec	0.00433578	0.114787906	9.69031E-06	3.998207808	29.82551765	0.144419923	0.002694419	169.2177429	0.013479362	0.008830508	0.001375986	0.002246005	0.000866255	0.377897352	2.24597E-06	0.000743949	0.001544284	0.003170323	0.002391482
2114 Jan	0.004340119	0.114777096	9.69139E-06	4.001639843	29.85985184	0.144547984	0.002697451	169.423584	0.013494779	0.008829978	0.001377251	0.002248655	0.000867251	0.378252953	2.24657E-06	0.000744801	0.001545513	0.003172558	0.00239448
2114 Feb	0.004340604	0.114794597	9.69206E-06	4.002112865	29.8633213	0.144569099	0.00269774	169.4426727	0.013496295	0.008830677	0.001377414	0.002248905	0.000867347	0.378299892	2.24673E-06	0.000744883	0.001545724	0.00317285	0.00239475
2114 Mar	0.004345043	0.114920154	9.70212E-06	4.006245136	29.89374161	0.14472045	0.002700477	169.6144562	0.013510017	0.008839959	0.001378831	0.002251186	0.000868228	0.378690362	2.24906E-06	0.000745639	0.00154734	0.003176098	0.002397173
2114 Apr	0.004356433	0.115226075	9.72763E-06	4.016769409	29.97203445	0.14510183	0.002707543	170.0582123	0.013545385	0.008863276	0.001382451	0.002257077	0.000870501	0.379685134	2.25497E-06	0.000747591	0.001551417	0.003184427	0.002403442
2114 May	0.004326637	0.119407341	9.72241E-06	4.014369011	29.72851181	0.146646246	0.002673282	168.1855774	0.013419979	0.008914788	0.001395348	0.002235783	0.000863321	0.3795349	2.25012E-06	0.000739602	0.00156941	0.003176251	0.002375126
2114 Jun	0.004246404	0.125766262	9.78577E-06	3.982572317	29.06046486	0.147544682	0.002596151	163.5965118	0.013103122	0.009058407	0.001400446	0.002182776	0.00084387	0.376034349	2.2538E-06	0.000720553	0.001586143	0.003162741	0.002306724
2114 Jul	0.004446667	0.128929585	1.01382E-05	4.156245708	30.49718475	0.15365313	0.00272435	171.9639587	0.013755773	0.009337575	0.001460317	0.002293424	0.000885757	0.392759204	2.33962E-06	0.000756531	0.001650211	0.003301949	0.00242674
2114 Aug	0.004705182	0.131970152	1.04953E-05	4.377437592	32.39526367	0.161553666	0.002894718	183.0775299	0.014613635	0.00960316	0.001537875	0.002438399	0.000941047	0.414425403	2.43145E-06	0.000803909	0.001730001	0.003465602	0.002586615
2114 Sep	0.004765588	0.127121016	1.03814E-05	4.404325962	32.93536758	0.161388844	0.00295441	186.7159882	0.014863537	0.009431094	0.001538579	0.002480214	0.000956795	0.417633444	2.41552E-06	0.000818691	0.001721262	0.003468439	0.002641987
2114 Oct	0.004817517	0.121971138	1.02089E-05	4.419252396	33.41691208	0.160856456	0.003009105	190.0321198	0.015084229	0.009245322	0.001536169	0.002517676	0.000970513	0.419898182	2.38733E-06	0.000832184	0.001710273	0.003460378	0.002692994
2114 Nov	0.004814781	0.118022762	1.00598E-05	4.396432877	33.45057297	0.159148782	0.003021836	190.5708923	0.015102572	0.009104029	0.001521234	0.00252036	0.000971246	0.418109328	2.35863E-06	0.000834234	0.001689129	0.003430711	0.002702938
2114 Dec	0.004828407	0.117810264	1.00574E-05	4.406292915	33.56090164	0.159476265	0.00303198	191.2479401	0.015152356	0.009096228	0.001524653	0.002528923	0.000974449	0.419153243	2.3594E-06	0.000837029	0.001692096	0.003436715	0.002712905
2115 Jan	0.004834686	0.117786571	1.00585E-05	4.411224842	33.61086273	0.159660131	0.003036385	191.5481262	0.015174798	0.009094927	0.001526483	0.002532789	0.0009759	0.419665933	2.36019E-06	0.000838269	0.001693855	0.003439925	0.002717292
2115 Feb	0.004839763	0.117784262	1.00601E-05	4.41529417	33.65094376	0.159815028	0.003039894	191.7874451	0.015192774	0.009094551	0.001527995	0.00253588	0.000977062	0.420086801	2.36094E-06	0.00083926	0.00169535	0.003442591	0.002720784
2115 Mar	0.004844298	0.117839895	1.00655E-05	4.419188023	33.68459702	0.159959853	0.003042882	191.9839783	0.01520791	0.009098674	0.001529389	0.002538446	0.000978037	0.420472354	2.36238E-06	0.000840095	0.001696819	0.003445393	0.002723615

Appendix D.2-8: CP7

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.004861764	0.118268311	1.01017E-05	4.435138702	33.80603409	0.160538718	0.003053843	192.6757202	0.015262718	0.009131497	0.001534907	0.002547592	0.000981562	0.421990424	2.37089E-06	0.000843122	0.001702957	0.003457804	0.002733427
2115 May	0.004705103	0.123353168	1.00946E-05	4.335062981	32.54159164	0.158473417	0.002929328	184.6344147	0.014678505	0.009233358	0.001510931	0.002447076	0.00094466	0.411596686	2.35422E-06	0.000809731	0.001686792	0.003387147	0.002614689
2115 Jun	0.004632616	0.130438834	1.02678E-05	4.311758041	31.8672142	0.159193933	0.002857209	179.9667511	0.014361946	0.009492334	0.001513672	0.00239191	0.000924945	0.408487499	2.37975E-06	0.000791056	0.00170122	0.00338077	0.002543994
2115 Jul	0.004765587	0.133442566	1.05805E-05	4.429382801	32.7727623	0.163162485	0.002938933	185.1812286	0.014775342	0.009754676	0.001552488	0.002460769	0.000951354	0.419510663	2.45175E-06	0.000813844	0.001742324	0.003476947	0.002618308
2115 Aug	0.004705729	0.128432572	1.04463E-05	4.358725071	32.37492371	0.159329548	0.002910911	183.2714081	0.014609102	0.009535858	0.001517632	0.002431527	0.000940282	0.41257745	2.42152E-06	0.00080497	0.001694684	0.003419398	0.002593273
2115 Sep	0.004823038	0.125224769	1.04377E-05	4.441610813	33.33912277	0.161566615	0.003003767	189.3016815	0.015049923	0.009425378	0.001541367	0.002506305	0.000968628	0.421199232	2.431E-06	0.000829727	0.00171095	0.003468203	0.002682701
2115 Oct	0.004940566	0.123103715	1.04042E-05	4.525076866	34.29592133	0.164282396	0.003092299	195.1970825	0.015481852	0.009347901	0.001569928	0.002580707	0.000996381	0.43009147	2.43528E-06	0.000854054	0.001735463	0.003518485	0.002769805
2115 Nov	0.004946674	0.120763823	1.03237E-05	4.517528057	34.3731842	0.163454071	0.003105387	195.860199	0.015518723	0.009272826	0.001562899	0.002586773	0.000998454	0.429626495	2.42044E-06	0.000856766	0.00172509	0.003505687	0.002780763
2115 Dec	0.004953155	0.120626241	1.03229E-05	4.521972656	34.42480087	0.16357702	0.003110423	196.1806793	0.015542124	0.009270365	0.001564208	0.002590753	0.000999944	0.430094749	2.42089E-06	0.000858108	0.001726163	0.003508291	0.002785507
2116 Jan	0.004962617	0.120574735	1.03238E-05	4.5293293	34.50059891	0.163851053	0.003117098	196.6374207	0.015576183	0.009267407	0.00156696	0.002596635	0.001002147	0.430863321	2.42191E-06	0.000859991	0.001728781	0.003513072	0.0027922
2116 Feb	0.004965262	0.120615892	1.03268E-05	4.531646298	34.52022171	0.163941011	0.003118817	196.7510529	0.01558496	0.009269825	0.001567784	0.002598118	0.001002711	0.431093633	2.42272E-06	0.000860473	0.001729685	0.003514674	0.002793836
2116 Mar	0.00496814	0.120693617	1.03328E-05	4.534310341	34.54017639	0.164040342	0.003120603	196.8639832	0.015593932	0.009275301	0.001568702	0.002599609	0.001003287	0.431347728	2.42412E-06	0.000860967	0.001730728	0.003516696	0.002795436
2116 Apr	0.004984751	0.121103443	1.03674E-05	4.549500465	34.65555954	0.164591461	0.003131019	197.5209808	0.015646005	0.00930651	0.001573953	0.002608286	0.001006637	0.432792634	2.43225E-06	0.000863841	0.001736542	0.003528457	0.002804762
2116 May	0.005020514	0.124361292	1.03913E-05	4.594919205	34.9292717	0.167563394	0.003144785	198.8322601	0.01575711	0.009351532	0.00160182	0.002627901	0.001014544	0.43752408	2.43917E-06	0.000869131	0.001768412	0.003556114	0.002823208
2116 Jun	0.004501367	0.127599135	9.91194E-06	4.19867897	31.0400753	0.156187341	0.002768069	175.2175598	0.013984433	0.009087824	0.001485888	0.00233173	0.00090155	0.398181528	2.29923E-06	0.000768761	0.00166656	0.003291949	0.002480795
2116 Jul	0.00464184	0.130472586	1.02464E-05	4.32433033	32.02384567	0.160472721	0.002855505	180.9094238	0.014436426	0.009361863	0.001527328	0.002409483	0.000930338	0.409933925	2.37646E-06	0.000793613	0.001715929	0.003409412	0.002562373
2116 Aug	0.00483048	0.132681325	1.05289E-05	4.486824989	33.40106201	0.166148514	0.002980676	188.971756	0.015060042	0.009569807	0.001582755	0.002514331	0.000970509	0.425737411	2.44769E-06	0.000828093	0.001772829	0.003529701	0.002678582
2116 Sep	0.004833944	0.126989976	1.03487E-05	4.462144375	33.50548553	0.163898051	0.003003989	190.0840759	0.015114083	0.009368068	0.001563144	0.002522628	0.000973414	0.423833549	2.41385E-06	0.00083238	0.001743447	0.003494736	0.002697822
2116 Oct	0.004804228	0.120971054	1.01488E-05	4.405645847	33.3284111	0.160162389	0.00300696	189.5536194	0.015041242	0.009200939	0.001528925	0.002508547	0.000967772	0.418702871	2.37302E-06	0.000830267	0.001700333	0.003435812	0.002693311
2116 Nov	0.004838939	0.120246939	1.0149E-05	4.429439068	33.60206985	0.160793632	0.003033961	191.2535095	0.015165493	0.009191971	0.001535661	0.00252957	0.000975667	0.421190351	2.37621E-06	0.000837411	0.001705725	0.003449712	0.002718493
2116 Dec	0.004850945	0.120159946	1.01499E-05	4.438666344	33.69844437	0.161130533	0.003042493	191.8363647	0.015208873	0.009187698	0.001539107	0.002537065	0.000978473	0.422154903	2.37747E-06	0.000839814	0.001708927	0.003455742	0.002727048
2117 Jan	0.0048557	0.120131172	1.01502E-05	4.442350388	33.73662949	0.161267787	0.003045856	192.0666809	0.015226029	0.009185984	0.001540482	0.002540027	0.000979583	0.422540635	2.37795E-06	0.000840762	0.001710229	0.003458111	0.002730428
2117 Feb	0.004856553	0.120138802	1.01505E-05	4.443072796	33.74327469	0.161297724	0.003046423	192.105545	0.015228976	0.009186096	0.001540745	0.00254053	0.000979772	0.42261526	2.37808E-06	0.000840923	0.001710518	0.003458552	0.002730994
2117 Mar	0.004860071	0.120231546	1.01579E-05	4.446319103	33.76765442	0.161417395	0.003048615	192.2437744	0.015239958	0.00919287	0.001541867	0.002542359	0.000980478	0.422924221	2.37981E-06	0.000841529	0.001711784	0.003461052	0.002732956
2117 Apr	0.004881199	0.120758332	1.02021E-05	4.465669155	33.91439438	0.162120894	0.003061857	193.0787506	0.01530617	0.009232963	0.001548574	0.002553402	0.000984738	0.424764633	2.39017E-06	0.000845184	0.001719243	0.003476101	0.002744824
2117 May	0.004808424	0.124882497	1.02615E-05	4.427594662	33.2923851	0.161776364	0.00299879	188.9810638	0.015016519	0.009358647	0.001542493	0.002503094	0.000966551	0.420566112	2.39421E-06	0.000828442	0.001719431	0.00345142	0.002683462
2117 Jun	0.004561177	0.131382927	1.02648E-05	4.262105942	31.30973816	0.157675028	0.002805634	176.534256	0.014109181	0.009504207	0.001497298	0.002348585	0.000908841	0.403289735	2.37147E-06	0.000776763	0.001687562	0.003348947	0.002499938
2117 Jul	0.0047075	0.134405732	1.05839E-05	4.391238689	32.32460785	0.162105918	0.002896777	182.3960724	0.014571845	0.009768676	0.001540556	0.002426291	0.00093844	0.415488929	2.4459E-06	0.000802261	0.00173417	0.003455167	0.002583909
2117 Aug	0.004818058	0.135027379	1.07534E-05	4.482656479	33.13046265	0.165011555	0.002971433	187.1879272	0.014939857	0.00987424	0.001569546	0.002487826	0.000962038	0.424325317	2.48855E-06	0.000822666	0.001761539	0.003522708	0.002653488
2117 Sep	0.004923553	0.133908316	1.07966E-05	4.562187195	33.95561218	0.167496666	0.003049113	192.2184296	0.01531413	0.009869838	0.001594994	0.002551376	0.000986049	0.432452649	2.50645E-06	0.000843715	0.001784158	0.003574305	0.002727546
2117 Oct	0.004911022	0.130466163	1.06744E-05	4.533942223	33.89906693	0.165615931	0.003053354	192.1795044	0.0152923	0.009758571	0.001578024	0.002547119	0.000984178	0.429981738	2.48201E-06	0.000843472	0.001762102	0.003543981	0.002728905
2117 Nov	0.00490493	0.129528165	1.06408E-05	4.524067879	33.86189651	0.165013433	0.003052705	192.0391693	0.015276604	0.009729452	0.00157249	0.002544254	0.000983031	0.429080367	2.47506E-06	0.000842877	0.001755211	0.00353423	0.002727377
2117 Dec	0.004918651	0.129391178	1.0641E-05	4.53441143	33.97228622	0.165379316	0.003062607	192.7100983	0.015326352	0.009723755	0.001576256	0.002552838	0.000986243	0.430165023	2.47633E-06	0.000845645	0.001758647	0.00354088	0.002737261
2118 Jan	0.004923443	0.129367262	1.06415E-05	4.538146973	34.01058578	0.165518418	0.003065987	192.9406738	0.015343552	0.009722387	0.001577635	0.002555803	0.000987354	0.430554867	2.47686E-06	0.000846596	0.001759969	0.003543282	0.002740647
2118 Feb	0.004923877	0.129395157	1.06426E-05	4.538626194	34.01336288	0.165540561	0.003066212	192.9547577	0.015344747	0.009723681	0.001577792	0.002555992	0.000987429	0.430600524	2.47711E-06	0.00084666	0.001760199	0.003543592	0.002740839
2118 Mar	0.004925614	0.129450843	1.06466E-05	4.540275574	34.02521133	0.16560325	0.003067267	193.0209351	0.015350061	0.009727422	0.001578359	0.002556871	0.00098777	0.430756807	2.47802E-06	0.000846952	0.001760863	0.003544847	0.002741773
2118 Apr	0.004933093	0.130286977	1.0674E-05	4.550248146	34.0671463	0.166128859	0.003070202	193.1943054	0.015366944	0.009761945	0.001581429	0.00255929	0.000988784	0.431692123	2.48378E-06	0.000847799	0.001766294	0.003550568	0.002743891
2118 May	0.004639276	0.137345821	1.05505E-05	4.35054493	31.75033569	0.161484078	0.002844123	178.6503296	0.014297839	0.009827444	0.001527523	0.002375875	0.000920891	0.411392033	2.43178E-06	0.000786944	0.001725456	0.003402786	0.002529435
2118 Jun	0.00412719	0.140822276	1.01473E-05	3.960159063	27.85912895	0.149788976	0.002473855	155.0162811	0.012526261	0.009641524	0.001408777	0.002076885	0.000807833	0.372291654	2.30727E-06	0.000687038	0.001617223	0.003135906	0.002184905
2118 Jul	0.004306127	0.145240933	1.05462E-05	4.123170376	29.10014153	0.155645207	0.002584315	162.1026764	0.013089523	0.009988671	0.001464996	0.002171757	0.000843971	0.387699276	2.39983E-06	0.000718004	0.001680596	0.003270933	0.002286099
2118 Aug	0.004414287	0.141449884	1.05511E-05	4.194414616	29.9851799	0.157142326	0.00267086	167.7391968	0.013498976	0.009869082	0.001482481	0.002240952	0.000870157	0.395047605	2.41123E-06	0.000741025	0.001687815	0.003313786	0.002370507
2118 Sep	0.004403642	0.131919861	1.02425E-05	4.140723228	30.0445118	0.153027698	0.002697069	168.9163055	0.01353878	0.009511811	0.001446696	0.002247062	0.00087185	0.390593559	2.35195E-06	0.000745138	0.001635903	0.003251715	0.002392821
2118 Oct	0.004419648	0.125153258	1.00201E-05	4.117835999	30.25705528	0.150596529	0.002732573	170.77771	0.013642087	0.00928807	0.001426517	0.002264342	0.000877687	0.389092624	2.31107E-06	0.000752618	0.001605337	0.003216882	0.002423774
2118 Nov	0.00445027	0.123527057	9.979E-06	4.133853436	30.51803017	0.150814027	0.002759546	172.4788971	0.013761361	0.00923578	0.001429738	0.002284754	0.000885205	0.390938073	2.30602E-06	0.000759624	0.001605841	0.003223276	0.002449562
2118 Dec	0.004452441	0.123545088	9.982E-06	4.135658741	30.5337944	0.150873661	0.002761029	172.5718689	0.013768498	0.009238306	0.001430323	0.002285949	0.000885662	0.391114473	2.30679E-06	0.000760025	0.001606445	0.00322458	0.00245091
2119 Jan	0.004458109	0.123522259	9.98315E-06	4.140100956	30.57887459	0.151038423	0.002765006	172.842926	0.013788763	0.009237164	0.001431968	0.002289441	0.000886971	0.391575933	2.30751E-06	0.000761146	0.001608024	0.003227496	0.002454896
2119 Feb	0.00446263	0.123524867	9.98494E-06	4.143744946	30.6143589	0.151176319	0.002768119	173.0545044	0.013804689	0.009237274	0.001433315	0.002292178	0.000888	0.391950965	2.30826E-06	0.000762024	0.001609363	0.003229919	0.002457998
2119 Mar	0.004468448	0.123689122	9.99779E-06	4.1491642	30.65431404	0.151376128	0.002771718	173.2799835	0.013822678	0.009249217	0.001435188	0.002295163	0.000889157	0.392464519	2.31123E-06	0.000763016	0.001611484	0.003234103	0.0024612
2119 Apr	0.004473093	0.126390412	1.00507E-05	4.165874004	30.64838219	0.152654812	0.002767646	172.9855499	0.013811603	0.00933555	0.001439407	0.002291746	0.000888148	0.394018799	2.3211E-06	0.000762055	0.00162438	0.003238496	0.002455631
2119 May	0.004099164	0.140457988	9.86795E-06	3.93635273	27.66397858	0.149545223	0.002466166	153.7301331	0.012409458	0.009477604	0.001371022	0.002047915	0.000797811	0.370957673	2.24823E-06	0.000681398	0.001596957	0.003034682	0.002169112
2119 Jun	0.003987441	0.140608057	9.79919E-06	3.848807812	26.83646393	0.146785557	0.002384596	148.7826691	0.012039306	0.009425529	0.00134607	0.001988242	0.000774242	0.362104177	2.22532E-06	0.000660313	0.001575318	0.002993754	0.002097683
2119 Jul	0.00417937	0.143782213	1.0154E-05	4.017046928	28.21693802	0.152737319	0.002507168	156.8101044	0.012667601	0.009708421	0.001403684	0.002095647	0.000814487	0.378244102	2.3108E-06	0.000694907	0.001640085	0.003135449	0.002213619
2119 Aug	0.004308261	0.143221736	1.03233E-05	4.120121479	29.18108177	0.155702651	0.002599434	162.6448822	0.013110311	0.009780305	0.001434179	0.002169538	0.000842912	0.388242275	2.35532E-06	0.000719597	0.001666187	0.003209538	0.002299143
2119 Sep	0.004368832	0.136930838	1.01843E-05	4.14073658	29.74845123	0.154982656	0.002662662	166.5848694	0.013377314	0.009553157	0.001432798	0.002215126	0.00085986	0.390882343	2.33491E-06	0.000735393	0.001651312	0.003211944	0.002360112
2119 Oct	0.004399098	0.1319433	1.00386E-05	4.138712406	30.05014801	0.153727233	0.00270092	168.8301239	0.013519973	0.009391992	0.001425253	0.002239694	0.000868628	0.391258389	2.31006E-06	0.00074451	0.00163458	0.003199821	0.002395713
2119 Nov	0.004407915	0.129953101	9.97864E-06	4.135293961	30.14526176	0.153132349	0.002713927	169.5749969	0.013565507	0.009326994	0.001421295	0.002247545	0.000871391	0.391142666	2.29949E-06	0.000747517	0.001626982	0.003193183	0.002407706
2119 Dec	0.004417122	0.129913568	9.98169E-06	4.142483234	30.2179203	0.153390497	0.002720407	170.012558	0.01359826	0.009326268	0.001423937	0.002253183	0.000873508	0.391884118	2.3009E-06	0.000749333	0.001629476	0.003198037	0.002414139

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.093	0.000083	0.000025	0.00000065	0.024	0.0000130	0.0081	6.5E-07	6.5E-07	3.2E-09	3.8E-06	1.8E-06	4.5E-06	4.7E-05	3.2E-09	3.7E-02	1.3E-08	4.5E-07	7.8E-07
Operations (2020-2043): Mean	16548	47.9	79.6	2.29	9425	0.157	1095	1.9E-03	1.9E-03	1.3E-04	1.4E-02	3.0E-02	5.3E-01	1.1E-01	2.9E-05	4.9E+02	1.6E-04	4.0E-03	3.2E-03
Operations (2020-2043): Max	49633	166.2	208	8.63	28989	0.328	2861	4.6E-03	4.6E-03	4.6E-04	2.0E-02	6.7E-02	1.1E+00	3.1E-01	6.5E-05	1.4E+03	4.6E-04	1.1E-02	9.3E-03
Active Closure (2044-2050): Min	48	0.057	0.087	0.0019	11	0.027	4	8.1E-04	8.1E-04	5.0E-06	7.1E-03	1.1E-03	1.1E-02	1.4E-02	5.0E-06	1.3E+01	1.8E-05	2.2E-04	1.4E-04
Active Closure (2044-2050): Mean	292	1.1	3.3	0.041	126	0.046	39	9.8E-04	9.8E-04	5.3E-06	7.7E-03	3.4E-03	4.3E-02	1.7E-02	6.0E-06	2.3E+01	2.1E-05	8.2E-04	2.5E-04
Active Closure (2044-2050): Max	2142	9.1	28	0.35	1002	0.20	305	1.0E-03	1.0E-03	8.2E-06	1.2E-02	2.2E-02	2.9E-01	2.7E-02	1.4E-05	9.4E+01	3.8E-05	5.1E-03	8.8E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Post Closure (2051-2119): Min	48	0.034	0.0090	0.0010	10	0.023	3.6	1.0E-03	1.0E-03	5.0E-06	6.7E-03	1.1E-03	9.4E-03	1.5E-02	5.0E-06	1.3E+01	1.5E-05	2.2E-04	1.4E-04
Post Closure (2051-2119): Mean	60	0.058	0.014	0.0010	14	0.029	4.9	1.0E-03	1.0E-03	5.0E-06	7.1E-03	1.3E-03	9.9E-03	2.5E-02	5.0E-06	2.1E+01	1.8E-05	2.9E-04	3.1E-04
Post Closure (2051-2119): Max	75	0.078	0.087	0.0019	18	0.034	6.4	1.0E-03	1.0E-03	5.0E-06	7.3E-03	1.6E-03	1.1E-02	3.3E-02	5.0E-06	2.7E+01	2.0E-05	3.6E-04	4.6E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0.093442962	8.29445E-05	2.49481E-05	6.48004E-07	0.023716934	1.29601E-05	0.008100045	6.48004E-07	6.48004E-07	3.24002E-09	3.82322E-06	1.81441E-06	4.47123E-06	4.69803E-05	3.24002E-09	0.037260208	1.29601E-08	4.53603E-07	7.77604E-07
2027 Feb	0.44696933	0.000396751	0.000119335	3.09962E-06	0.113446116	6.19924E-05	0.038745262	3.09962E-06	3.09962E-06	1.54981E-08	1.82878E-05	8.67894E-06	2.13874E-05	0.000224722	1.54981E-08	0.178228185	6.19924E-08	2.16973E-06	3.71954E-06
2027 Mar	0.851369917	0.000755717	0.000227305	5.90404E-06	0.216087788	0.000118081	0.073800474	5.90404E-06	5.90404E-06	2.95202E-08	3.48338E-05	1.65313E-05	4.07379E-05	0.000428043	2.95202E-08	0.339482188	1.18081E-07	4.13283E-06	7.08485E-06
2027 Apr	1.198567748	0.001063906	0.000320003	8.31177E-06	0.304210722	0.000166235	0.10389711	8.31177E-06	8.31177E-06	4.15588E-08	4.90394E-05	2.3273E-05	5.73512E-05	0.000602603	4.15588E-08	0.477926701	1.66235E-07	5.81824E-06	9.97412E-06
2027 May	15.90462017	0.012332933	0.004037502	0.00017209	3.772149324	0.003441795	1.288470745	0.00017209	0.00017209	8.60449E-07	0.001142673	0.000322877	0.001442107	0.007440268	8.60449E-07	5.972151756	3.64719E-06	7.93842E-05	0.000116135
2027 Jun	39.45335007	0.01403541	0.008078045	0.001000184	6.902197361	0.02000368	2.359287262	0.001000184	0.001000184	5.00092E-06	0.007398387	0.000931303	0.009895872	0.013297467	5.00092E-06	11.38402271	2.24187E-05	0.000217128	0.000137619
2027 Jul	36.11880112	0.009926368	0.006787178	0.001021466	6.31734705	0.024137359	2.250098228	0.001021466	0.001021466	5.10733E-06	0.007091406	0.000931104	0.009743594	0.012000837	5.10733E-06	10.20549679	1.95655E-05	0.000185209	0.000103098
2027 Aug	38.5689621	0.020629901	0.006402149	0.001018214	7.926725864	0.031744327	2.857579947	0.001018214	0.001018214	5.09107E-06	0.006459987	0.00099593	0.01057555	0.013171269	5.09107E-06	11.52871323	1.37598E-05	0.000180566	0.000102392
2027 Sep	48.22024536	0.078862354	0.005738244	0.001036389	11.74939919	0.042795815	4.477099419	0.001036389	0.001036389	5.18195E-06	0.007661868	0.001107423	0.012083932	0.016269227	5.18195E-06	14.9536562	1.3081E-05	0.000201319	0.000120769
2027 Oct	51.07733154	0.104935914	0.005281156	0.001025476	12.85471344	0.04508445	5.03599596	0.001025476	0.001025476	5.12738E-06	0.008399357	0.0011264	0.011949556	0.017207872	5.12738E-06	15.88352776	1.47008E-05	0.000203448	0.000129452
2027 Nov	51.07793427	0.106381461	0.005227426	0.001020607	12.88247871	0.045068309	5.055871964	0.001020607	0.001020607	5.10304E-06	0.008418591	0.001123266	0.011892309	0.017206369	5.10304E-06	15.88667583	1.4758E-05	0.000202789	0.000129557
2027 Dec	51.07796478	0.106447525	0.00522497	0.001020385	12.8837471	0.045067571	5.056780338	0.001020385	0.001020385	5.10192E-06	0.00841947	0.001123123	0.011889693	0.0172063	5.10192E-06	15.88681889	1.47606E-05	0.000202759	0.000129562
2028 Jan	51.23592377	0.106500223	0.00528081	0.001020296	12.92428493	0.045024872	5.069627285	0.001020296	0.001020296	5.10148E-06	0.008415411	0.001125932	0.011880591	0.017300071	5.10148E-06	15.95743752	1.47701E-05	0.000203595	0.000131379
2028 Feb	51.45192719	0.106550179	0.005357995	0.001020249	12.97929382	0.044966727	5.086891174	0.001020249	0.001020249	5.10124E-06	0.008409566	0.001129822	0.011869018	0.017428327	5.10124E-06	16.0539608	1.47823E-05	0.000204748	0.000133862
2028 Mar	51.56832504	0.106577098	0.005399587	0.001020223	13.00893784	0.044935394	5.096194744	0.001020223	0.001020223	5.10112E-06	0.008406417	0.001131918	0.011862782	0.017497441	5.10112E-06	16.1059742	1.47888E-05	0.00020537	0.0001352
2028 Apr	51.63293457	0.106592037	0.005422673	0.001020209	13.02539063	0.044918004	5.101358414	0.001020209	0.001020209	5.10105E-06	0.008404668	0.001133081	0.011859321	0.017535802	5.10105E-06	16.13484573	1.47924E-05	0.000205715	0.000135942
2028 May	51.80413437	0.107059576	0.00701079	0.001045891	13.10263062	0.044919476	5.119083881	0.001020195	0.001020195	5.10162E-06	0.008403505	0.00113575	0.011881351	0.017560503	5.10159E-06	16.1553688	1.47991E-05	0.000206075	0.000136406
2028 Jun	287.0982056	0.912316918	2.924277782	0.048657265	133.9223022	0.056638461	30.57673836	0.00100895	0.00100895	6.24289E-06	0.007894055	0.004614753	0.059551316	0.015994228	6.18187E-06	17.83756828	2.65276E-05	0.000472173	0.000118488
2028 Jul	330.3887634	1.059599042	3.437085152	0.057094451	156.4813995	0.068383656	35.71072006	0.001066592	0.001066592	6.74181E-06	0.007333264	0.005375022	0.063535765	0.017556928	6.67006E-06	19.35929489	2.30229E-05	0.000493086	0.00012048
2028 Aug	634.2841187	2.151422262	6.980256081	0.11494574	312.0692749	0.114362277	70.38076019	0.001041179	0.001041179	8.07008E-06	0.007137381	0.009906422	0.119513147	0.022898296	7.92422E-06	28.93688965	2.43415E-05	0.000814919	0.000132028
2028 Sep	911.8574219	3.16734314	10.15403938	0.166773394	452.9100952	0.156098768	102.1135406	0.001023517	0.001023517	9.28545E-06	0.008607618	0.01397095	0.17014657	0.028831393	9.0732E-06	38.90816116	3.11778E-05	0.001128335	0.000156836
2028 Oct	433.4142761	1.475892425	4.486636162	0.074209481	208.0391693	0.095805332	48.30802536	0.001015163	0.001015163	6.91633E-06	0.008986872	0.006808801	0.081889868	0.022992063	6.8226E-06	26.77364159	2.29502E-05	0.000616075	0.000147112
2028 Nov	338.140625	1.136387706	3.371280432	0.055987202	159.4703369	0.08305192	37.55342102	0.0010087	0.0010087	6.42596E-06	0.008845842	0.005387666	0.064379439	0.021508647	6.35556E-06	24.02955627	2.09369E-05	0.000512028	0.000142538
2028 Dec	336.6349487	1.131017208	3.35362339	0.055698782	158.7020569	0.082852334	37.38340759	0.001008654	0.001008654	6.41848E-06	0.008844029	0.005365228	0.064102866	0.021486048	6.34845E-06	23.98691559	2.09057E-05	0.000510391	0.000142473
2029 Jan	5181.07373	19.15135002	23.8564415	1.008653283	2998.957275	0.076660611	310.9277039	0.001341116	0.001341116	4.75308E-05	0.009769903	0.006931744	0.163042605	0.046089556	1.16472E-05	162.1054993	6.08045E-05	0.000472552	0.000964631
2029 Feb	12905.85449	47.88599777	56.5569191	2.528207302	7527.876465	0.066928737	747.1653442	0.001871216	0.001871216	0.000113084	0.011248607	0.009442766	0.320968539	0.085302465	2.00999E-05	382.3243103	0.000124435	0.000413004	0.002274947
2029 Mar	18641.67383	69.22224426	80.83891296	3.656517506	10890.70313	0.059731968	1071.087891	0.002264825	0.002264825	0.000161759	0.012347931	0.011308417	0.43825683	0.114394687	2.63768E-05	545.8234863	0.000171682	0.000368701	0.003247377
2029 Apr	23239.52148	86.32549286	100.3039856	4.560977459	13586.35645	0.053977489	1330.748169	0.002580341	0.002580341	0.000200777	0.013229819	0.012804502	0.532287657	0.137703151	3.14086E-05	676.8759155	0.000209556	0.000333144	0.00402663
2029 May	26570.41211	98.92697144	116.0087738	5.211189747	15525.60645	0.051589187	1526.243408	0.002792886	0.002792886	0.000227814	0.014013175	0.014110219	0.601960063	0.154335797	3.54921E-05	772.0582886	0.000236106	0.000444836	0.004598017
2029 Jun	13795.59766	51.94366455	66.84996796	2.68561101	7994.255371	0.070505247	827.9202271	0.001866419	0.001866419	0.000115859	0.011503906	0.011534335	0.356413394	0.08705508	2.29541E-05	406.039978	0.000132929	0.000998279	0.002433365
2029 Jul	6410.476563	25.3588295	45.00266647	1.210870862	3583.901855	0.131083339	460.7078857	0.001268045	0.001268045	4.67128E-05	0.009891925	0.014605737	0.26216197	0.048806053	1.78897E-05	193.9387512	6.72676E-05	0.001942792	0.001122305
2029 Aug	12607.20703	49.82681274	84.63658905	2.393191814	7099.40918	0.189184785	880.2562256	0.001562738	0.001562738	8.96707E-05	0.012475298	0.022892753	0.453970164	0.082000799	2.88061E-05	373.1946411	0.000111603	0.00318616	0.002151997
2029 Sep	15146.74414	62.73236847	118.9812241	2.813788891	8391.87793	0.18404375	1126.851074	0.001504722	0.001504722	9.2586E-05	0.016639002	0.023218662	0.48742494	0.086160488	3.76713E-05	448.7580566	0.000117888	0.005056159	0.002668512
2029 Oct	12710.31055	51.4163208	90.8742981	2.387490749	7113.388672	0.154993787	905.6080933	0.001527074	0.001527074	8.53703E-05	0.014871897	0.018863436	0.406408072	0.078432992	3.00807E-05	378.7461853	0.000108183	0.003540463	0.002245984
2029 Nov	16677.76758	66.63964081	109.8791656	3.158487082	9422.972656	0.133842394	1136.526978	0.001765813	0.001765813	0.000116993	0.015771421	0.018411128	0.466306418	0.095996536	3.47592E-05	491.9796448	0.000136999	0.00362532	0.002941659
2029 Dec	21288.1543	83.33831024	125.7686157	4.076151848	12156.79883	0.120305896	1379.620117	0.00211741	0.00211741	0.000158833	0.016286016	0.019070184	0.552950382	0.120097548	3.87717E-05	623.1779785	0.000176663	0.003271644	0.003721057
2030 Jan	28524.82617	96.05104065	134.178299	4.815731525	16458.32813	0.097721867	1755.572754	0.002702974	0.002702974	0.000228107	0.01703034	0.019401776	0.688179553	0.161414295	4.50852E-05	828.9738159	0.000242297	0.002613486	0.004995477
2030 Feb	35466.77734	103.1693878	136.3772278	5.257293701	20585.13477	0.075863563	2115.970947	0.003273314	0.003273314	0.000295605	0.017762849	0.019484878	0.817753136	0.202219531	5.12597E-05	1026.353882	0.000306267	0.001977404	0.006238029
2030 Mar	39604.18359	107.4256744	137.713562	5.521084309	23044.61914	0.062870398	2330.82373	0.003613108	0.003613108	0.000335823	0.018201102	0.019537754	0.895010173	0.226523414	5.49428E-05	1143.984985	0.000344384	0.001599229	0.006978326
2030 Apr	42470.27344	110.3802109	138.6506653	5.704092979	24748.32813	0.053884927	2479.682129	0.003848433	0.003848433	0.000363678	0.01850543	0.019575864	0.948541999	0.243352249	5.74955E-05	1225.467896	0.000370786	0.001337668	0.007491031
2030 May	44482.90625	112.4527435	139.3683014	5.831728935	25944.09375	0.047633547	2584.547852	0.004012968	0.004012968	0.000383184	0.018721314	0.019608784	0.986169577	0.255134344	5.9283E-05	1282.693726	0.000389282	0.001161325	0.007851287
2030 Jun	25157.75781	63.65990448	84.118927	3.263246775	14614.26758	0.075584523	1494.053101	0.002647881	0.002647881	0.000214924	0.014391108	0.015724301	0.607439876	0.151075974	3.73566E-05	729.9586182	0.000230378	0.00136608	0.00446543
2030 Jul	22899.59766	61.81418991	105.2766418	2.913877964	13061.25684	0.148785919	1496.566528	0.002232952	0.002232952	0.000174928	0.014849617	0.022294009	0.628215551	0.12963286	3.55155E-05	667.1434937	0.00019625	0.004093378	0.004058272
2030 Aug	36316.91016	87.89915466	126.7029953	4.390190125	21006.0957	0.129112646	2211.644287	0.003313032	0.003313032	0.000300703	0.017301092	0.024803126	0.898024857	0.208233118	4.96083E-05	1050.48645	0.000316	0.003155319	0.006411366
2030 Sep	43120.60938	100.6997147	134.1163483	5.146217346	25063.95508	0.105911724	2557.313232	0.003883362	0.003883362	0.000366956	0.018740904	0.024862289	1.022761583	0.248939559	5.67762E-05	1244.472778	0.000380022	0.002318732	0.0076106
2030 Oct	31437.33789	75.57826233	107.5224457	3.791777611	18196.22461	0.117831089	1906.851196	0.003009672	0.003009672	0.00026234	0.016484117	0.021582857	0.77965486	0.183777198	4.32786E-05	911.5504761	0.00027856	0.002608165	0.005566218
2030 Nov	35527.03516	83.63222504	113.2464142	4.248025417	20627.66211	0.093991935	2117.867676	0.003323175	0.003323175	0.000301038	0.016933413	0.020645328	0.84270072	0.206172362	4.74004E-05	1027.731567	0.00031384	0.002166972	0.006294604
2030 Dec	41067.44922	94.52232361	121.1543884	4.869623184	23919.52344	0.071604386	2405.820557	0.003766402	0.003766402	0.000353618	0.017741282	0.020392764	0.939674973	0.237740874	5.33656E-05	1185.328979	0.000363014	0.001607067	0.007273618
2031 Jan	44409.35156	104.8290176	130.1694031	5.442666531	25905.58008	0.057954539	2579.260498	0.004038111	0.004038111	0.00038585	0.018236404	0.021731675	0.998051822	0.257373661	5.70243E-05	1280.378906	0.000393168	0.001264121	0.007873822
2031 Feb	46520.83594	114.597496	139.5722046	5.977180004	27160.72852	0.049175732	2688.667969	0.004213464	0.004213464	0.000406656	0.018556595	0.023872197	1.034791231	0.270278037	5.93876E-05	1340.422119	0.000412636	0.001043764	0.008261432
2031 Mar	47973.14063	121.3089294	146.0345764	6.344396591	28023.99805	0.043154046	2763.940186	0.004334025	0.004334025	0.000420962	0.018777244	0.025342545	1.06007731	0.279147446	6.10133E-05	1381.717773	0.000426024	0.000892584	0.008527925
2031 Apr	49072.98047	126.3927689	150.9400024	6.622436523	28677.66211	0.038608767	2820.998291	0.004425206	0.004425206	0.000431786	0.018944968	0.026456896	1.079237819	0.285856187	6.22445E-05	1412.990723	0.000436156	0.000779156	0.008729713
2031 May	48155.12891	126.1233978	151.5248718	6.59741354	28130.63477	0.039636105	2773.742676	0.004350463	0.004350463	0.000423068	0.018752931	0.026917174	1.060470343	0.281175703	6.11999E-05	1387.341553	0.000427948	0.000878919	0.008588198
2031 Jun	36411.57422	99.02120209	128.0008545	5.087285519	21172.84375	0.070571177	2150.459229	0.003426736	0.003426736	0.000312944	0.016533613	0.024937525	0.841089427	0.216905788	4.82231E-05	1055.003174	0.00032484	0.001813515	0.006579176
2031 Jul	39914.02734	113.1699448	143.3081818	5.858248711	23236.17578	0.084423758	2345.910889	0.003695484	0.003695484	0.000345841	0.017177096	0.030279633	0.933333099	0.236664623	5.26973E-05	1152.672974	0.000357103	0.001674597	0.007138486
2031 Aug	31974.9707	99.97076416	156.3913574	4.848463058	18305.61523	0.165221319	2052.634521	0.002799097	0.002799097	0.0002499	0.016971234	0.034421213	0.838811576	0.178498	4.45271E-05	927.4472046	0.000270979	0.00478463	0.005703862
2031 Sep	25045.65625	91.59762573	189.5921326	3.871076345	13820.39746	0.203683138	1888.509033	0.001789644	0.001789644	0.000147219	0.018213043	0.033733312	0.703836977	0.111777656	3.57866E-05	734.02771	0.000176951	0.009343751	0.004562495
2031 Oct	25530.05469	85.5851593	153.1817932	3.901261091	14396.5498	0.15559797	1755.320435	0.002174386	0.002174386	0.000179394	0.01685668	0.029101035	0.674289167	0.131468549	3.60851E-05	745.6619263	0.000202484	0.006152855	0.00462576
2031 Nov	34439.26172	107.5124893	164.7838135	5.21105957	19751.27734	0.11456582	2185.293945	0.002968976	0.002968976	0.000270692	0.017893562	0.030523639	0.828224361	0.187232092	4.59454E-05	998.5650024	0.00028734	0.004636367	0.006201992
2031 Dec	39707.17578	119.9129715	168.8172302	5.982911587	22939.04492	0.088812426	2427.911621	0.00346616	0.00346616	0.000326793	0.018403599	0.031218108	0.918847561	0.221692801	5.18199E-05	1147.935791	0.000339345	0.003509368	0.007129978
2032 Jan	42794.96484	130.7889099	175.170578	6.627767086	24809.07031	0.07334619	2569.289063	0.00376571	0.00376571	0.000360602	0.018712003	0.033565003	0.971659958	0.242914751	5.53632E-05	1235.46167	0.000370694	0.002832221	0.007689679
2032 Feb	44685.39453	141.002243	182.9857483	7.212241173	25955.50391	0.063484021	2654.990967	0.003957173	0.003957173	0.000382217	0.01890997	0.036910668	1.003657937	0.256911874	5.76304E-05	1289.016724	0.000390741	0.002400659	0.008047814
2032 Mar	46063.87109	148.4423828	188.6843719	7.637953758	26791.38477	0.056312729	2717.528809	0.004096671	0.004096671	0.000397969	0.019054933	0.039347023	1.027008057	0.267107785	5.92836E-05	1328.06604	0.000405351	0.002086835	0.008308846

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Apr	47135.79297	154.2245026	193.1156769	7.968766689	27441.3457	0.050745826	2766.180908	0.004205094	0.004205094	0.000410214	0.01916795	0.04124001	1.045173883	0.275031269	6.05691E-05	1358.43042	0.000416709	0.001843213	0.008511772
2032 May	47830.96484	158.3663635	196.5556641	8.202733994	27861.69336	0.047375683	2798.376221	0.004274635	0.004274635	0.000418125	0.019242976	0.042691942	1.057219505	0.280228347	6.14021E-05	1378.148071	0.000424086	0.001696811	0.008645273
2032 Jun	31430.56836	108.3466339	150.5347443	5.440312862	18139.62695	0.090370566	1931.686157	0.002958965	0.002958965	0.000261483	0.01613329	0.03388273	0.750325799	0.18208386	4.25191E-05	910.4771729	0.000277458	0.002983514	0.005705785
2032 Jul	26606.27539	97.04455566	144.2707672	4.79003334	15246.97559	0.139617011	1698.616943	0.002555154	0.002555154	0.000213648	0.015291889	0.036405642	0.700022936	0.155078158	3.76474E-05	772.9225464	0.000234633	0.003745233	0.004809691
2032 Aug	30003.82813	116.7406921	193.7514343	5.502168655	16970.90039	0.171980351	2036.533081	0.002478729	0.002478729	0.00021852	0.017125919	0.042865589	0.79100287	0.158050254	4.04447E-05	872.97229	0.000240969	0.006507624	0.005439803
2032 Sep	37756.28516	139.4588928	189.7400665	7.058514595	21811.30664	0.118635207	2312.702393	0.003399541	0.003399541	0.000317344	0.01771893	0.047019683	0.915218353	0.221270353	5.0345E-05	1091.732544	0.00033243	0.003336589	0.006839531
2032 Oct	43757.84375	158.8614807	198.9050751	8.227295876	25457.23047	0.079317451	2580.141846	0.004009198	0.004009198	0.000383714	0.018682467	0.049757335	1.005877852	0.262528062	5.74106E-05	1262.195313	0.000393769	0.00191589	0.007941121
2032 Nov	45575.1875	165.6996307	207.8776093	8.565293312	26511.16602	0.065830655	2687.702148	0.00411111	0.00411111	0.00039858	0.018955134	0.050194602	1.028686881	0.270535916	5.90533E-05	1313.9729	0.000406913	0.00199343	0.008281323
2032 Dec	45385.79297	165.1316528	207.7352905	8.527665138	26395.19141	0.064586014	2679.476074	0.004087397	0.004087397	0.000396313	0.018905314	0.049843512	1.022726059	0.268850416	5.87378E-05	1308.587769	0.000404543	0.002041724	0.008249194
2033 Jan	47398.98438	166.2086029	204.4689789	8.634404182	27619.54688	0.05112277	2768.590576	0.004309465	0.004309465	0.000421511	0.019165406	0.051915456	1.053466797	0.286149025	6.14653E-05	1365.551147	0.000427718	0.001552675	0.008673776
2033 Feb	48443.72266	161.7151794	196.4506989	8.428530693	28260.2207	0.042556342	2811.894775	0.004451972	0.004451972	0.000437695	0.019334404	0.053905584	1.06797564	0.298599869	6.32212E-05	1395.004028	0.000442613	0.001241827	0.008947082
2033 Mar	49129.46875	158.8141479	191.2619476	8.295750618	28680.5625	0.036988359	2840.42334	0.004545101	0.004545101	0.000448276	0.019446068	0.055206504	1.077550173	0.306726515	6.43707E-05	1414.333252	0.000452356	0.001039747	0.009125834
2033 Apr	49632.71484	156.7077942	187.4888153	8.19940567	28988.95508	0.032927815	2861.408203	0.004613253	0.004613253	0.000456022	0.019528357	0.056158699	1.084600329	0.312669069	6.52129E-05	1428.516724	0.000459489	0.00089236	0.009256716
2033 May	43635.02734	136.6650848	168.2445984	7.096586704	25435.89063	0.042012881	2541.761475	0.004127051	0.004127051	0.000397947	0.018194746	0.050977048	0.964172542	0.278093308	5.81613E-05	1259.68457	0.000404349	0.001284017	0.008208925
2033 Jun	30929.22656	99.31977081	140.2112579	4.966577053	17842.58984	0.095716931	1904.547241	0.003000881	0.003000881	0.000266734	0.015860731	0.04219541	0.746334672	0.197325066	4.34044E-05	900.2091675	0.000283241	0.002861583	0.005861157
2033 Jul	33499.37109	102.7527695	143.363739	5.168654442	19357.9707	0.10947445	2047.794312	0.003232046	0.003232046	0.000293991	0.016554674	0.04728388	0.818122208	0.215428367	4.73401E-05	971.5141602	0.000310396	0.002771024	0.006313245
2033 Aug	41752.13281	121.8922348	166.0572815	6.167625427	24187.8457	0.103704385	2519.441895	0.003882974	0.003882974	0.000373148	0.018703232	0.057138383	0.987551391	0.266318798	5.7844E-05	1205.168579	0.000386384	0.002745224	0.007847003
2033 Sep	24528.76563	82.08507538	151.9753723	3.694421768	13782.44434	0.174576998	1715.476685	0.002163209	0.002163209	0.000178939	0.01611216	0.042357888	0.674960256	0.137655154	3.65604E-05	716.918335	0.000204508	0.005840689	0.004482407
2033 Oct	17211.42969	61.3407402	126.5200195	2.626104593	9511.165039	0.189075664	1292.911255	0.001618625	0.001618625	0.000111815	0.014515492	0.035074577	0.53331399	0.094165862	2.78358E-05	508.2398682	0.000140085	0.005731149	0.003096043
2033 Nov	24443.77148	77.27293396	128.5261688	3.647903204	13910.3877	0.140587255	1612.461548	0.002370269	0.002370269	0.000196093	0.015452313	0.039450932	0.643018067	0.148618415	3.63835E-05	713.0766602	0.000216902	0.004099295	0.00453187
2033 Dec	29777.92578	90.12065887	135.6610718	4.410502911	17111.43359	0.115650006	1872.538818	0.002870639	0.002870639	0.000253904	0.016315551	0.043644801	0.734531343	0.186228156	4.27733E-05	864.4588013	0.000270742	0.003328046	0.005571663
2034 Jan	33426.83203	94.79473877	135.7167969	4.715803623	19302.20313	0.098262496	2049.869385	0.00322018	0.00322018	0.000294293	0.016918931	0.047287125	0.796841621	0.212952763	4.72391E-05	967.9891357	0.000308362	0.002790079	0.006298288
2034 Feb	35909.76563	94.12706757	131.241684	4.721183777	20793.91602	0.086108938	2169.989502	0.003464818	0.003464818	0.000322564	0.017341597	0.050487209	0.838949859	0.23206611	5.0366E-05	1038.412354	0.000334697	0.002414191	0.006807037
2034 Mar	37783.85156	93.62789154	127.8729324	4.725458145	21919.81055	0.076946691	2260.674561	0.003649419	0.003649419	0.000343898	0.017660866	0.052902658	0.870743036	0.24648729	5.27262E-05	1091.565186	0.000354572	0.002130804	0.007190954
2034 Apr	39303.875	93.22538757	125.1450806	4.729031086	22832.97656	0.069520921	2334.236328	0.00379912	0.00379912	0.0003612	0.017919939	0.05486181	0.896534741	0.258181334	5.46404E-05	1134.675537	0.00037069	0.001901119	0.007502301
2034 May	39174.20703	90.04628754	119.8307495	4.579977036	22773.13281	0.065318145	2317.672607	0.003812914	0.003812914	0.00036206	0.01779167	0.054898266	0.89046979	0.259617448	5.45255E-05	1131.312988	0.000371229	0.001753471	0.007509204
2034 Jun	30671.46484	71.42987823	103.2837601	3.549084187	17741.44336	0.088261135	1862.948242	0.00309918	0.00309918	0.000276561	0.015875272	0.046564598	0.733997703	0.206421375	4.4291E-05	891.2723389	0.000291338	0.002343224	0.005934577
2034 Jul	31450.81836	71.8862915	113.2037811	3.466013432	18106.14648	0.111020215	1958.793945	0.003046944	0.003046944	0.000275316	0.016515417	0.050310083	0.77468884	0.204655349	4.56904E-05	912.7764893	0.000292364	0.003408206	0.006055686
2034 Aug	41409.16406	78.17164612	104.5041733	3.992371321	24099.84961	0.088909082	2438.172852	0.004056775	0.004056775	0.000388803	0.018496439	0.063615978	0.972114682	0.281335145	5.87276E-05	1194.308594	0.000399592	0.00178648	0.007988525
2034 Sep	24528.23242	62.37417603	125.838089	2.694321871	13816.99805	0.17786631	1696.234497	0.002212797	0.002212797	0.000185862	0.016617481	0.04717771	0.693099856	0.14424032	3.79461E-05	716.2270508	0.000212223	0.006170765	0.004682707
2034 Oct	21356.25391	54.82720184	111.5947418	2.355766296	12013.88867	0.162793204	1485.047119	0.002020948	0.002020948	0.00016085	0.01552563	0.041422583	0.60753715	0.126518562	3.36239E-05	625.357666	0.000185453	0.005557083	0.004089199
2034 Nov	31079.625	66.00190735	108.2087784	3.126729965	17872.17383	0.111570552	1946.498657	0.002987959	0.002987959	0.000270745	0.016939517	0.050651055	0.765353262	0.199482337	4.53229E-05	901.1876831	0.00028715	0.003726228	0.005997747
2034 Dec	36308.53906	72.14492798	106.9222488	3.544462442	21018.79102	0.085441768	2196.816406	0.003503451	0.003503451	0.00032947	0.017721917	0.055743027	0.851808906	0.238538563	5.16394E-05	1049.545044	0.000341659	0.002784801	0.007022707
2035 Jan	39464.23047	73.42597961	103.3799515	3.66810298	22917.60938	0.069726393	2347.988525	0.003814309	0.003814309	0.000364893	0.018194741	0.059568387	0.904048502	0.26210469	5.54524E-05	1139.085083	0.000374545	0.002218851	0.007641356
2035 Feb	41474.45703	72.0391922	98.58586884	3.630546808	24127.28516	0.059720095	2444.238281	0.004012466	0.004012466	0.000387468	0.018495481	0.062681556	0.937336445	0.277128577	5.78817E-05	1196.12439	0.000395505	0.001857305	0.008035469
2035 Mar	42902.75781	71.05889893	95.18854523	3.604094982	24986.75	0.052621812	2512.643066	0.004153221	0.004153221	0.000403505	0.018709436	0.064893119	0.96099937	0.287798792	5.9608E-05	1236.650146	0.000410396	0.001600729	0.008315424
2035 Apr	44008.47656	70.30247498	92.56336212	3.583725452	25652.08398	0.047132712	2565.609863	0.00426216	0.00426216	0.000415918	0.018875228	0.066605099	0.979323983	0.296056569	6.09445E-05	1268.022217	0.000421922	0.001402313	0.008532121
2035 May	44375.66406	69.06419373	89.93117523	3.532282114	25879.13281	0.044100706	2579.788086	0.004306489	0.004306489	0.000420687	0.018889897	0.067339778	0.984464407	0.299456865	6.1388E-05	1278.534546	0.00042629	0.00127325	0.008609824
2035 Jun	30642.14063	49.11639404	69.87236786	2.465224028	17802.73242	0.079538241	1818.923462	0.003205811	0.003205811	0.000286312	0.01571539	0.051100355	0.731907487	0.212592989	4.48212E-05	888.2345581	0.00030024	0.001717253	0.005986789
2035 Jul	33002.89063	49.62506485	69.49250031	2.508300066	19196.23438	0.083897293	1948.340942	0.003410592	0.003410592	0.000310229	0.016301055	0.055799015	0.78867954	0.228342623	4.8032E-05	954.6390381	0.00032363	0.001633295	0.00641766
2035 Aug	28676.88086	52.08040619	98.29454803	2.352544069	16404.70313	0.170656338	1847.970703	0.002715879	0.002715879	0.000242451	0.016610872	0.057164952	0.791988671	0.18383345	4.40583E-05	832.3264771	0.000265028	0.00491817	0.005554468
2035 Sep	21240.73633	51.57902527	118.7878799	2.048973799	11837.91211	0.185253784	1536.730103	0.00183783	0.00183783	0.000148202	0.016451634	0.046053987	0.642924964	0.116801374	3.44855E-05	622.3980103	0.000176359	0.007593713	0.004214942
2035 Oct	26936.72656	49.6705513	94.81276703	2.206312418	15391.46777	0.139221415	1741.484741	0.002580718	0.002580718	0.000225544	0.016676065	0.051262923	0.715217948	0.169551924	4.10786E-05	783.2891235	0.000246341	0.004879451	0.005282925
2035 Nov	29377.06641	48.74694824	84.23753357	2.273319006	16915.86523	0.122562312	1828.647705	0.002897942	0.002897942	0.000258949	0.016684985	0.053836487	0.750196338	0.192599311	4.39675E-05	852.0900269	0.000276737	0.003692774	0.005733351
2035 Dec	34583.63281	52.60113907	81.95306396	2.54889369	20033.24219	0.09573593	2086.281006	0.003393245	0.003393245	0.000315723	0.017461771	0.059538607	0.832947135	0.230115503	5.00863E-05	999.9993286	0.000329282	0.002831575	0.006737764
2036 Jan	36499.70703	54.01931	81.11284637	2.650340557	21180.45703	0.085927375	2181.105713	0.003575532	0.003575532	0.000336617	0.017747488	0.061644319	0.863482893	0.243938133	5.23399E-05	1054.437622	0.000348629	0.002514896	0.007107483
2036 Feb	36491.45313	54.00707245	81.09444427	2.649739265	21175.65625	0.085912406	2180.613281	0.003574948	0.003574948	0.000336542	0.0177448	0.061630964	0.863288462	0.243899226	5.23292E-05	1054.211304	0.000348554	0.002514484	0.007106142
2036 Mar	36486.98047	54.00044632	81.08447266	2.649413109	21173.05469	0.0859043	2180.346436	0.003574631	0.003574631	0.000336501	0.017743343	0.061623722	0.863183141	0.243878141	5.23234E-05	1054.088745	0.000348514	0.002514261	0.007105416
2036 Apr	36411.65625	53.96375275	81.18635559	2.645927191	21127.46484	0.086458623	2176.883057	0.003566653	0.003566653	0.000335631	0.017734122	0.061562955	0.862261295	0.243353948	5.22413E-05	1051.9823	0.000347737	0.002536127	0.007092322
2036 May	36142.45703	53.759552	81.29176331	2.631663561	20966.27148	0.088021003	2163.549072	0.003540735	0.003540735	0.000332705	0.017689632	0.061308973	0.858443558	0.241588101	5.19389E-05	1044.432495	0.000345086	0.00258921	0.007044512
2036 Jun	19509.54688	35.88307571	68.90709686	1.612210274	11139.72266	0.135868162	1266.612671	0.002134591	0.002134591	0.000164994	0.014201512	0.040763456	0.56180799	0.129662454	3.20627E-05	569.9371948	0.000188923	0.003837097	0.003863418
2036 Jul	6666.649902	24.75219917	69.59328461	0.916884363	3482.904541	0.245408237	619.2720337	0.000974527	0.000974527	2.93698E-05	0.011461297	0.031317249	0.412189722	0.043144856	1.85333E-05	203.2625885	6.28054E-05	0.005934408	0.001368017
2036 Aug	5760.665039	24.71870232	72.586586	0.895827055	2922.0896	0.275420427	587.1538696	0.000852059	0.000852059	1.80009E-05	0.01141593	0.032777525	0.4283472	0.037594881	1.80463E-05	177.6599579	5.40217E-05	0.006396384	0.001176412
2036 Sep	8226.039063	40.37518311	119.7930374	1.347485662	4075.248291	0.30411315	881.9914551	0.000592093	0.000592093	1.03169E-05	0.014783471	0.0385352	0.522079885	0.02919513	2.16837E-05	250.8596191	5.44004E-05	0.010582582	0.001844125
2036 Oct	7157.586426	36.18676376	107.048317	1.170239806	3527.086914	0.227928355	770.8007813	0.000602064	0.000602064	6.57951E-06	0.014328619	0.029209038	0.403990775	0.021210259	1.84002E-05	220.8918762	4.2686E-05	0.009479672	0.001706825
2036 Nov	6923.020508	34.79389954	103.0742798	1.135446668	3413.247559	0.236246839	746.2764893	0.000620747	0.000620747	7.13738E-06	0.014145273	0.029772954	0.408561975	0.022948835	1.83161E-05	213.9752655	4.39858E-05	0.009144235	0.001629922
2036 Dec	6816.259766	34.20684052	101.3677139	1.118727088	3360.936279	0.236700147	734.9402466	0.000627996	0.000627996	7.24992E-06	0.014059941	0.029683283	0.406573504	0.023306269	1.81948E-05	210.8625946	4.40637E-05	0.008998311	0.001600694
2037 Jan	6803.112305	34.1406517	101.170578	1.116534233	3354.406006	0.236273453	733.5181885	0.000628705	0.000628705	7.24416E-06	0.014046845	0.029625626	0.405759841	0.023336299	1.81682E-05	210.5163879	4.40063E-05	0.008981596	0.001598764
2037 Feb	6795.613281	34.10234833	101.0566788	1.115278006	3350.669678	0.236029878	732.7061768	0.000629123	0.000629123	7.24163E-06	0.01403767	0.029595414	0.40531069	0.023391666	1.81534E-05	210.3440704	4.39792E-05	0.008972269	0.001598315
2037 Mar	6791.523438	34.08145523	100.9945679	1.114592791	3348.631836	0.235897049	732.2633057	0.000629351	0.000629351	7.24025E-06	0.014032666	0.029578937	0.405065686	0.023421863	1.81453E-05	210.2500916	4.39645E-05	0.008967182	0.00159807
2037 Apr	6789.197266	34.06957626	100.9592438	1.114203095	3347.4729	0.2358215	732.0114746	0.000629481	0.000629481	7.23947E-06	0.01402982	0.029569568	0.40492636	0.023439033	1.81407E-05	210.19664	4.39561E-05	0.00896429	0.001597931
2037 May	4558.38623	22.51943779	66.84567261	0.747729182	2242.404053	0.180444926	491.4797668	0.000760985	0.000760985	7.1953E-06	0.011627041	0.022019632	0.292865306	0.031492349	1.41882E-05	151.1112823	3.88687E-05	0.006102592	0.001251825
2037 Jun	3622.871582	17.19562149	51.54013824	0.604003012	1785.102783	0.192320585	392.2019348	0.000832781	0.000832781	8.69844E-06	0.010816222	0.022822779	0.295003265	0.036372967	1.37102E-05	123.5820541	4.35359E-05	0.005015073	0.001036454
2037 Jul	4076.423096	18.85986519	57.02997971	0.693237185	2019.903442	0.260050625	443.8865967	0.000829254	0.000829254	1.09182E-05	0.011242297	0.02992305	0.385831833	0.036446154	1.60721E-05	131.3235779	5.02997E-05	0.005621786	0.000957241
2037 Aug	4880.364746	22.55798149	68.28552246	0.833163917	2422.701416	0.315816641	532.1741943	0.000785758	0.000785758	1.22742E-05	0.012006999	0.036365893	0.470781475	0.038997553	1.84868E-05	153.3300476	5.56743E-05	0.006759234	0.001074723
2037 Sep	5408.43457	25.61331177	77.02745056	0.913394988	2680.016846	0.308999211	587.9970093	0.000734648	0.000734648	1.12592E-05	0.012958636	0.036182396	0.475117415	0.035526685	1.90354E-05	168.7570343	5.42884E-05	0.007664207	0.001248399
2037 Oct	4096.160645	19.40146637	58.21305084	0.68930769	2026.411987	0.243449315	445.2251282	0.000794301	0.000794301	9.62138E-06	0.012203676	0.027427318	0.359865248	0.030776341	1.55538E-05	131.4046631	4.51816E-05	0.005857705	0.000978064
2037 Nov	3865.635498	18.2446785	54.76803589	0.651125073	1912.295288	0.236150563	420.3492126	0.000807823	0.000807823	9.5325E-06	0.012006381	0.026334578	0.344768792	0.030535135	1.5046E-05	124.7881851	4.41103E-05	0.005521261	0.000921611
2037 Dec	3883.712158	18.346838	55.0633316	0.653913558	1921.122192	0.235944122	422.2610474	0.000806177	0.000806177	9.504E-06	0.012022867	0.02634095	0.345032036	0.030446311	1.50669E-05	125.3123398	4.40765E-05	0.005550837	0.000927658
2038 Jan	3879.507324	18.32711792	55.00337601	0.653180301	1919.012085	0.235685542	421.8003235	0.00080637	0.00080637	9.49747E-06	0.012017646	0.026310334	0.344619423	0.03045477	1.50549E-05	125.2121506	4.40415E-05	0.005545286	0.000927382
2038 Feb	3876.958252	18.31469917	54.9658699	0.652735233	1917.727417	0.235538363	421.5210266	0.000806502	0.000806502	9.4944E-06	0.012013471	0.026294291	0.344388932	0.030483462	1.50481E-05	125.1659393	4.40251E-05	0.00554198	0.000927568
2038 Mar	3875.569092	18.30792999	54.94542313	0.652492702	1917.027344	0.235458136	421.3688049	0.000806574	0.000806574	9.49273E-06	0.012011196	0.026285546	0.344263375	0.030499099	1.50443E-05	125.1407547	4.40161E-05	0.005540178	0.000927669
2038 Apr	3874.780518	18.30408669	54.93381882	0.652354956	1916.629883	0.235412598	421.2823792	0.000806615	0.000806615	9.49178E-06	0.012009904	0.026280582	0.344192058	0.030507976	1.50422E-05	125.1264648	4.40111E-05	0.005539155	0.000927727
2038 May	3389.021973	15.84526157	47.62462234	0.57083708	1674.564697	0.215704903	368.5376892	0.000836345	0.000836345	9.27468E-06	0.011322722	0.023968959	0.310659081	0.033188842	1.39474E-05	113.409256	4.23814E-05	0.004857874	0.000878552
2038 Jun	2138.364502	9.45770359	28.75093079	0.363511771	1053.220459	0.16785112	232.8280945	0.000927612	0.000927612	9.0101E-06	0.00965935	0.01856342	0.232621476	0.036886591	1.14028E-05	80.17437744	4.06294E-05	0.003123632	0.00069201
2038 Jul	3598.489502	17.04391289	51.18827438	0.603305042	1776.306763	0.20546706	389.97995	0.000824333	0.000824333	8.90982E-06	0.011209367	0.024324071	0.31842193	0.030536395	1.4536E-05	117.8694992	4.45539E-05	0.005455487	0.001001869
2038 Aug	4256.194336	19.55252838	59.24998856	0.727478445	2112.203613	0.291824281	464.2379456	0.000798631	0.000798631	1.15836E-05	0.011692821	0.033462975	0.433953702	0.036815625	1.74408E-05	135.2055817	5.22982E-05	0.006318717	0.001016819
2038 Sep	4540.116211	21.10094261	63.71171951	0.772471189	2251.857666	0.299045771	494.7974243	0.000765284	0.000765284	1.13226E-05	0.012640252	0.034382332	0.449010968	0.035787553	1.80412E-05	143.3954773	5.32395E-05	0.006895228	0.001109219
2038 Oct	3470.601318	16.17839813	48.68881989	0.587286174	1717.653809	0.234976351	377.9550476	0.000814726	0.000814726	9.58051E-06	0.011921894	0.026075292	0.340785205	0.030689644	1.48827E-05	113.0953217	4.39634E-05	0.005375931	0.000894627
2038 Nov	3500.168945	16.35559654	49.19399643	0.591671467	1731.98938	0.234174043	381.0488281	0.000810575	0.000810575	9.49988E-06	0.01196286	0.026053503	0.340954095	0.030440575	1.49197E-05	113.9448853	4.38433E-05	0.005443242	0.000908768
2038 Dec	3518.510254	16.46814346	49.51333237	0.594341815	1740.850708	0.233440891	382.9574585	0.000808193	0.000808193	9.4427E-06	0.011983491	0.026013477	0.340727448	0.030263968	1.49348E-05	114.4764175	4.37272E-05	0.005482436	0.00091738
2039 Jan	3520.950439	16.48664093	49.56329727	0.594612658	1741.967285	0.233072326	383.1952209	0.000807617	0.000807617	9.4227E-06	0.011984899	0.025986148	0.340431631	0.030252477	1.49325E-05	114.5828629	4.36777E-05	0.005490921	0.000920363
2039 Feb	3521.566895	16.49246216	49.57810974	0.594637215	1742.209717	0.232863083	383.2468872	0.000807327	0.000807327	9.41247E-06	0.011983578	0.02597316	0.340272576	0.030288557	1.49312E-05	114.6479721	4.36559E-05	0.00549553	0.000922682

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Mar	3521.802246	16.49508286	49.58458328	0.594634771	1742.29248	0.232748225	383.2644043	0.000807181	0.000807181	9.407E-06	0.011982732	0.025965776	0.340180844	0.030308502	1.49302E-05	114.6805344	4.36439E-05	0.005497816	0.000923901
2039 Apr	3520.625488	16.48944283	49.56745148	0.594426274	1741.697021	0.232668832	383.1349182	0.000807242	0.000807242	9.40523E-06	0.011980561	0.025957339	0.340060055	0.030324133	1.49267E-05	114.6617889	4.36351E-05	0.005496224	0.000924048
2039 May	3500.032471	16.33469772	49.14570618	0.591805518	1731.881958	0.234944314	381.053894	0.000810839	0.000810839	9.54658E-06	0.011938156	0.026192278	0.342390209	0.031067796	1.49531E-05	114.258873	4.41214E-05	0.005450373	0.000917625
2039 Jun	2634.670898	11.67220592	35.67082214	0.455468714	1307.040039	0.216019854	287.8845825	0.000879052	0.000879052	1.01874E-05	0.010722159	0.024285212	0.312584609	0.029435508	1.36921E-05	85.8731842	4.78035E-05	0.004184591	0.000654823
2039 Jul	2295.521973	9.698709488	30.02310753	0.404453337	1143.133789	0.230075404	252.6682892	0.000940004	0.000940004	1.10291E-05	0.009324307	0.024450097	0.30819425	0.032515954	1.33879E-05	76.27992249	4.21783E-05	0.003474823	0.000511773
2039 Aug	2630.555908	11.96798325	36.29554749	0.448770225	1302.543457	0.209804937	286.9236755	0.000892902	0.000892902	9.35431E-06	0.009522407	0.022647085	0.293429166	0.028238913	1.3599E-05	87.2538147	3.425E-05	0.004439227	0.000733892
2039 Sep	3953.965088	18.435812	55.60044479	0.670687854	1958.965942	0.271583706	430.4874878	0.000770787	0.000770787	1.02238E-05	0.012183237	0.031328183	0.412368864	0.031836495	1.72899E-05	125.8331528	4.70878E-05	0.006837392	0.001127402
2039 Oct	3742.248535	17.36075401	52.37208176	0.635706663	1854.117188	0.265020072	407.7884827	0.000777545	0.000777545	1.01585E-05	0.012427364	0.030236589	0.396883011	0.032139789	1.66838E-05	120.1420212	4.77993E-05	0.006434949	0.001060553
2039 Nov	3829.924316	17.87994385	53.85704422	0.648811221	1896.670776	0.263132662	416.9741211	0.000765563	0.000765563	9.9385E-06	0.012548937	0.030236792	0.398210138	0.031463727	1.68189E-05	122.6595917	4.75196E-05	0.006643856	0.001103896
2039 Dec	3835.053955	17.91705704	53.95877075	0.64945662	1899.088013	0.262584418	417.4882507	0.000764455	0.000764455	9.90457E-06	0.012557657	0.03019423	0.397806197	0.031360667	1.68181E-05	122.8093796	4.74376E-05	0.006659816	0.001107737
2040 Jan	3837.12207	17.93273735	54.00086212	0.649670124	1899.99646	0.262269974	417.7358398	0.000763871	0.000763871	9.88635E-06	0.012560532	0.030171745	0.397576243	0.031340349	1.68173E-05	122.9071426	4.73961E-05	0.006668434	0.00111043
2040 Feb	3839.305176	17.94640732	54.03865814	0.649927557	1900.94812	0.262105793	418.0429688	0.000763363	0.000763363	9.87474E-06	0.012562999	0.030166119	0.397540748	0.031352744	1.68208E-05	123.026947	4.73791E-05	0.006677188	0.001113172
2040 Mar	3840.796143	17.95547676	54.06397247	0.650114059	1901.610962	0.262019873	418.2469788	0.000763047	0.000763047	9.86805E-06	0.012564808	0.030164137	0.397539228	0.031358074	1.68235E-05	123.1018524	4.73703E-05	0.006682721	0.001114806
2040 Apr	3842.870117	17.96724319	54.09758759	0.650407374	1902.572998	0.261982918	418.5125427	0.000762707	0.000762707	9.86263E-06	0.01256772	0.030167235	0.397608668	0.031355631	1.68282E-05	123.1842422	4.7367E-05	0.006689013	0.001116328
2040 May	3476.158936	16.16297913	48.68556213	0.587451339	1718.416016	0.241097957	379.2452087	0.000787206	0.000787206	9.52298E-06	0.011977296	0.027738851	0.36339888	0.033201158	1.57528E-05	114.8997803	4.54412E-05	0.006078201	0.001074085
2040 Jun	1700.015137	6.806501865	21.23438644	0.299352318	840.5812378	0.186917394	188.4409485	0.00097098	0.00097098	1.02392E-05	0.009468742	0.020112013	0.248607829	0.038358197	1.15216E-05	65.95510864	4.43273E-05	0.002589027	0.000527844
2040 Jul	3040.921875	13.51434326	41.19541168	0.51938504	1496.300293	0.244795024	347.1645508	0.000850467	0.000850467	1.0549E-05	0.01137788	0.028234459	0.366026103	0.032408159	1.56302E-05	102.9241562	4.98425E-05	0.005434518	0.000896741
2040 Aug	4304.266113	19.70038795	59.65354156	0.728542387	2117.469727	0.308007807	492.2939453	0.000722449	0.000722449	1.11365E-05	0.012680963	0.036580749	0.481332451	0.034208842	1.93427E-05	141.0826721	5.40221E-05	0.007939314	0.001295414
2040 Sep	4380.527832	20.31185722	61.23518753	0.735363185	2149.658203	0.298371702	503.2037354	0.00069429	0.00069429	1.03418E-05	0.013133223	0.035606068	0.47288692	0.032184832	1.93104E-05	144.9055786	5.15358E-05	0.008316176	0.001379941
2040 Oct	3618.05835	16.61463356	50.12992859	0.608662665	1775.133789	0.263318747	415.682373	0.000754747	0.000754747	9.84574E-06	0.012501494	0.030433355	0.401698589	0.031082971	1.69547E-05	122.1689835	4.72349E-05	0.006796626	0.001131606
2040 Nov	3611.56958	16.63063049	50.13640213	0.606553793	1771.054565	0.259875029	415.1985168	0.000751581	0.000751581	9.68071E-06	0.012530935	0.030093264	0.397815764	0.030601054	1.68818E-05	122.11586	4.6774E-05	0.00682277	0.001141423
2040 Dec	3621.750488	16.69363976	50.31376266	0.607954025	1775.809448	0.25944218	416.4303284	0.000749745	0.000749745	9.64151E-06	0.012549459	0.030077152	0.39782095	0.030481378	1.68978E-05	122.4568481	4.67107E-05	0.006853917	0.001148094
2041 Jan	3625.356445	16.71668625	50.37743759	0.608386219	1777.389893	0.259181559	416.9498291	0.000748912	0.000748912	9.62191E-06	0.012556063	0.030065201	0.397750884	0.030454228	1.69033E-05	122.6252441	4.66776E-05	0.006867914	0.001151732
2041 Feb	3625.72998	16.72008133	50.38550568	0.608363032	1777.452271	0.259023994	417.0751343	0.000748637	0.000748637	9.61339E-06	0.012556357	0.03005583	0.397645116	0.030472489	1.69031E-05	122.6933975	4.66613E-05	0.006872331	0.001153553
2041 Mar	3626.469238	16.72475433	50.39809418	0.608428895	1777.73291	0.258944035	417.2194214	0.000748407	0.000748407	9.60793E-06	0.012557469	0.030052843	0.397622705	0.030479813	1.69046E-05	122.7508621	4.66534E-05	0.006876319	0.001154846
2041 Apr	3627.774414	16.73208237	50.41879654	0.608595967	1778.300293	0.258907944	417.4273376	0.000748143	0.000748143	9.60347E-06	0.012559677	0.030054625	0.397667885	0.030479679	1.69081E-05	122.8172684	4.66503E-05	0.00688121	0.001156082
2041 May	3862.063965	17.96242905	53.97324371	0.64157021	1883.463257	0.259669393	453.2885742	0.000708813	0.000708813	9.16081E-06	0.012972926	0.030962318	0.412852556	0.029898465	1.76309E-05	133.0147247	4.71494E-05	0.007647472	0.001319263
2041 Jun	1990.714722	8.17434597	25.39746475	0.348436773	979.8883667	0.206741571	231.6078033	0.000922069	0.000922069	1.0424E-05	0.010136762	0.02256461	0.286614567	0.0300896	1.26778E-05	70.65579224	4.67741E-05	0.003308744	0.000495073
2041 Jul	2424.526611	9.918128014	30.87661362	0.425534099	1194.479736	0.258569658	286.6861572	0.000938043	0.000938043	1.191E-05	0.009977088	0.02788409	0.352467567	0.0353151	1.46922E-05	85.27429199	4.70645E-05	0.004012615	0.000582519
2041 Aug	4018.685791	17.84298325	54.26897812	0.676622808	1954.405151	0.31905371	491.8491821	0.000777545	0.000777545	1.17492E-05	0.012794195	0.037397526	0.490409553	0.03573842	1.97442E-05	141.0833588	5.44794E-05	0.007875514	0.001269643
2041 Sep	4573.676758	20.75719452	62.70732117	0.759501934	2213.459229	0.327728599	567.3248291	0.00065666	0.00065666	1.08577E-05	0.014022261	0.039710302	0.528410673	0.03371007	2.1137E-05	161.6992035	5.63956E-05	0.009422728	0.001559908
2041 Oct	3795.579102	17.14842033	51.77108765	0.629797935	1835.023193	0.282946885	471.3318481	0.000710915	0.000710915	9.98844E-06	0.013330611	0.033442263	0.443714231	0.031573851	1.84029E-05	136.8825226	5.07613E-05	0.007811604	0.001306299
2041 Nov	3757.394287	17.04587364	51.39147186	0.621541202	1814.45813	0.275525481	467.6850891	0.000707286	0.000707286	9.67426E-06	0.013324859	0.032657649	0.434382945	0.030638043	1.81948E-05	136.049057	4.96663E-05	0.007809381	0.001315673
2041 Dec	3778.981934	17.17172623	51.74802017	0.624470949	1824.23645	0.274968982	470.7529297	0.000703246	0.000703246	9.60261E-06	0.013365667	0.032667544	0.434956193	0.030416491	1.82441E-05	136.8866577	4.95793E-05	0.007881345	0.001330478
2042 Jan	3780.325439	17.18391418	51.77883148	0.624507308	1824.669189	0.274574012	471.0461426	0.000702541	0.000702541	9.57992E-06	0.013368958	0.032638706	0.434659511	0.030387992	1.82428E-05	137.002121	4.95255E-05	0.007891809	0.001333733
2042 Feb	3779.255859	17.18014717	51.76546097	0.624239266	1824.011963	0.274344593	471.0132446	0.000702381	0.000702381	9.57043E-06	0.013366732	0.032620005	0.434420675	0.030414315	1.82383E-05	137.0366364	4.94994E-05	0.007893546	0.001335307
2042 Mar	3779.997559	17.18495369	51.77797699	0.624276578	1824.237061	0.274232358	471.2151489	0.000702057	0.000702057	9.56271E-06	0.013368226	0.03261555	0.434387892	0.030420527	1.82403E-05	137.1143799	4.9487E-05	0.007899106	0.001337049
2042 Apr	3791.331543	17.2442131	51.94825745	0.625807464	1829.170044	0.274272442	473.1416626	0.000699922	0.000699922	9.53729E-06	0.013391371	0.032660175	0.435170293	0.030357197	1.82785E-05	137.6444855	4.94942E-05	0.007940308	0.001345336
2042 May	3521.39502	15.93092251	48.01849365	0.580600739	1696.586792	0.258415341	440.5314331	0.000723143	0.000723143	9.34322E-06	0.012877922	0.030760417	0.407911688	0.032131195	1.73925E-05	130.7256775	4.809E-05	0.007394754	0.001300424
2042 Jun	1857.431274	7.387410641	23.11348724	0.326925784	912.3820801	0.208440229	220.0255585	0.000945021	0.000945021	1.06957E-05	0.010047828	0.022484878	0.283516318	0.032015074	1.25154E-05	68.4151535	4.70817E-05	0.003053425	0.000461507
2042 Jul	2632.204834	11.27826977	34.53128052	0.443561256	1270.644409	0.237324759	334.1730957	0.000832645	0.000832645	1.00693E-05	0.010450725	0.026892226	0.348657101	0.029732203	1.50899E-05	98.16471863	4.3458E-05	0.005245537	0.00084776
2042 Aug	2383.260254	10.13260746	30.96706772	0.39848882	1143.864868	0.226230577	309.025116	0.000850333	0.000850333	9.60483E-06	0.01005152	0.024712402	0.322543293	0.029451443	1.42969E-05	93.5832901	3.69442E-05	0.004902054	0.000796726
2042 Sep	2786.658447	12.03820324	36.59625244	0.461408913	1331.758179	0.245605007	367.381897	0.000791313	0.000791313	9.65151E-06	0.011477864	0.027740607	0.364917338	0.030205067	1.57118E-05	109.3406525	4.25549E-05	0.005959739	0.000985058
2042 Oct	2706.714844	11.55749893	35.21669006	0.45175454	1297.672241	0.249990895	353.8527527	0.000807449	0.000807449	1.00424E-05	0.011965099	0.027872363	0.363797277	0.031937506	1.55033E-05	105.8792267	4.56871E-05	0.005617165	0.000919642
2042 Nov	2814.746582	12.14933014	36.90525818	0.466287851	1345.256836	0.249063358	371.276123	0.000786848	0.000786848	9.74589E-06	0.012193599	0.02814216	0.369434059	0.031016622	1.58248E-05	110.5939331	4.5557E-05	0.006002733	0.000996348
2042 Dec	2835.274658	12.26202488	37.22666931	0.469043612	1354.292725	0.24886997	374.5899048	0.000782921	0.000782921	9.6887E-06	0.012236248	0.02819185	0.370488703	0.030838354	1.58857E-05	111.490654	4.55264E-05	0.006076249	0.001010986
2043 Jan	2843.374023	12.30689335	37.35377884	0.470083386	1357.779785	0.248715252	375.9579468	0.000781245	0.000781245	9.66217E-06	0.012252617	0.028207414	0.370854735	0.030786963	1.59097E-05	111.884285	4.55074E-05	0.006107417	0.001017815
2043 Feb	2842.708984	12.30458641	37.34550095	0.469913483	1357.368408	0.248562694	375.9350891	0.000781146	0.000781146	9.65602E-06	0.012250888	0.028195349	0.370697379	0.030810392	1.59067E-05	111.91082	4.54911E-05	0.006108558	0.001018952
2043 Mar	2841.624756	12.29971218	37.3305397	0.469723701	1356.835449	0.248468429	375.7907715	0.000781231	0.000781231	9.65402E-06	0.012248333	0.028184999	0.3705495	0.030827476	1.59023E-05	111.8899765	4.54806E-05	0.006106448	0.001019053
2043 Apr	2841.041016	12.29710293	37.32249832	0.469620198	1356.546387	0.248415306	375.7146606	0.000781272	0.000781272	9.65283E-06	0.012246951	0.028179284	0.370468229	0.030836992	1.58999E-05	111.8797226	4.54747E-05	0.006105372	0.001019133
2043 May	2633.176025	11.31017303	34.36985779	0.435566753	1256.99353	0.234740794	347.0088196	0.000802679	0.000802679	9.51332E-06	0.011774652	0.026572401	0.347048134	0.03279851	1.51319E-05	105.9899216	4.44285E-05	0.005621336	0.000984007
2043 Jun	1385.136597	5.347568989	16.71533394	0.238657027	669.2424316	0.162257627	170.1293793	0.000962034	0.000962034	9.28152E-06	0.009300953	0.017446112	0.2166024	0.034612752	1.07407E-05	60.77322388	4.07397E-05	0.002469476	0.000522874
2043 Jul	2346.694336	9.888198853	30.22864914	0.386437356	1109.687134	0.214993924	323.2494812	0.0008282	0.0008282	9.23241E-06	0.010511996	0.024719294	0.322510451	0.028186498	1.45182E-05	96.43029022	4.15553E-05	0.005238116	0.000892821
2043 Aug	2719.405762	11.29576969	34.69002533	0.453498453	1293.513062	0.26316914	371.8495178	0.000811271	0.000811271	1.05938E-05	0.010934011	0.029755147	0.387467712	0.032495126	1.62007E-05	109.4275665	4.49847E-05	0.00584759	0.00093986
2043 Sep	3685.72168	15.96666145	48.34196472	0.593228638	1723.190308	0.297094524	532.5066528	0.000660291	0.000660291	9.82507E-06	0.013515968	0.036060557	0.48269242	0.030588461	1.98787E-05	152.9228058	5.09536E-05	0.008992835	0.001513471
2043 Oct	3071.141602	13.35689545	40.27851868	0.490062684	1429.448242	0.248999625	447.2993469	0.000703835	0.000703835	8.66154E-06	0.013083155	0.029700855	0.398356855	0.027547369	1.73157E-05	131.0643005	4.52591E-05	0.007645337	0.001317334
2043 Nov	2146.545898	9.137574196	27.62424088	0.34623754	1003.933655	0.199379772	305.4692078	0.000813399	0.000813399	8.2591E-06	0.011601904	0.022041069	0.291191071	0.02661735	1.36475E-05	93.83569336	3.81586E-05	0.005093665	0.000884251
2043 Dec	2143.976074	9.128551483	27.59430695	0.345737398	1002.609985	0.199029103	305.1893005	0.000813368	0.000813368	8.2459E-06	0.011599914	0.022001799	0.290709257	0.026577789	1.36357E-05	93.7670517	3.81058E-05	0.005091233	0.000884237
2044 Jan	2141.844482	9.119503021	27.56618118	0.345362514	1001.569275	0.198822409	304.8962402	0.000813516	0.000813516	8.24081E-06	0.011595364	0.021978498	0.290388644	0.026597722	1.36264E-05	93.71678925	3.80802E-05	0.005087087	0.00088429
2044 Feb	2140.116699	9.111725807	27.54237175	0.34506464	1000.734558	0.198667735	304.6433411	0.000813677	0.000813677	8.23801E-06	0.011590438	0.021961911	0.29014343	0.026637424	1.3619E-05	93.68546295	3.80646E-05	0.005083292	0.000884563
2044 Mar	2139.182129	9.10751915	27.52949142	0.344903529	1000.283142	0.19858408	304.5065308	0.000813764	0.000813764	8.23649E-06	0.011587773	0.021952936	0.29001078	0.026658902	1.36149E-05	93.66851807	3.80562E-05	0.00508124	0.000884711
2044 Apr	2138.66333	9.105184555	27.52234268	0.344814092	1000.032532	0.198537633	304.430603	0.000813813	0.000813813	8.23565E-06	0.011586294	0.021947956	0.289937168	0.026670823	1.36127E-05	93.65911865	3.80515E-05	0.005080101	0.000884793
2044 May	2110.202393	8.979635239	27.14025307	0.340036988	986.4337769	0.196056947	300.3018799	0.0008164	0.0008164	8.19069E-06	0.011517989	0.021668544	0.286025941	0.026884304	1.3493E-05	92.82698059	3.78179E-05	0.005015789	0.000881577
2044 Jun	630.9608765	2.563257456	7.703736305	0.096867986	285.5244751	0.069428779	87.4145813	0.000947437	0.000947437	5.88364E-06	0.0084931	0.006863542	0.087651797	0.01989463	7.40288E-06	36.69429398	2.66338E-05	0.001607151	0.000401025
2044 Jul	496.5099182	1.997386575	5.989472866	0.074873149	221.8699188	0.057481434	68.5707016	0.000957988	0.000957988	5.6376E-06	0.008230585	0.005439512	0.069393292	0.017691849	6.85473E-06	30.65369225	2.54386E-05	0.001306082	0.000336046
2044 Aug	483.9729004	1.945891738	5.829419136	0.072743565	215.9194183	0.056989882	66.89163208	0.000958835	0.000958835	5.60878E-06	0.00814263	0.005302752	0.067650668	0.01757163	6.80201E-06	30.21329689	2.47401E-05	0.001278954	0.000330226
2044 Sep	433.9891968	1.742494345	5.182865143	0.064130686	192.0725555	0.05521021	60.2020874	0.000962239	0.000962239	5.49154E-06	0.007956449	0.004749988	0.060699429	0.01723098	6.58888E-06	28.62882423	2.24117E-05	0.001172828	0.000308262
2044 Oct	412.3890076	1.655684829	4.898400307	0.060388982	181.7481689	0.054501072	57.29423523	0.000963821	0.000963821	5.44357E-06	0.008006175	0.004514815	0.05762703	0.017189296	6.49607E-06	27.99527359	2.18895E-05	0.001125151	0.000299815
2044 Nov	408.5357056	1.640250087	4.847730637	0.059719693	179.9041595	0.054373235	56.77748108	0.000964097	0.000964097	5.43481E-06	0.008015237	0.004472564	0.057075888	0.01718146	6.47948E-06	27.88309669	2.17953E-05	0.001116718	0.000298324
2044 Dec	408.4535522	1.63992393	4.846654415	0.059705313	179.8647156	0.054370433	56.76657486	0.000964103	0.000964103	5.43462E-06	0.008015441	0.004471646	0.057063963	0.01718127	6.47912E-06	27.88075256	2.17933E-05	0.001116542	0.000298293
2045 Jan	408.4143677	1.63974607	4.846066475	0.059697434	179.844574	0.054367322	56.76105499	0.000964106	0.000964106	5.43451E-06	0.008015389	0.004471249	0.057057124	0.017184649	6.47893E-06	27.8820858	2.17924E-05	0.001116477	0.000298344
2045 Feb	408.3989868	1.639654756	4.845763683	0.059693355	179.8353882	0.054364394	56.75858688	0.000964108	0.000964108	5.43445E-06	0.008015224	0.004471133	0.057053339	0.017189318	6.47883E-06	27.88497543	2.17923E-05	0.00111647	0.000298427
2045 Mar	408.390625	1.639605045	4.845598698	0.059691135	179.8303833	0.054362796	56.7572403	0.000964109	0.000964109	5.43442E-06	0.008015135	0.00447107	0.057051271	0.017191865	6.47877E-06	27.8865509	2.17922E-05	0.001116466	0.000298472
2045 Apr	408.3858337	1.639576674	4.845505238	0.059689868	179.8275452	0.054361887	56.75647736	0.000964109	0.000964109	5.4344E-06	0.008015084	0.004471034	0.057050098	0.017193316	6.47874E-06	27.88744736	2.17921E-05	0.001116464	0.000298497
2045 May	408.3829956	1.639561176	4.845454216	0.059689187	179.8259277	0.054361396	56.75603867	0.000964109	0.000964109	5.43439E-06	0.00801506	0.00447101	0.057049472	0.017193925	6.47872E-06	27.8877964	2.17921E-05	0.001116461	0.000298508
2045 Jun	338.6435242	1.343949556	3.961363316	0.04841179	146.8156738	0.046959665	46.88380432	0.000969672	0.000969672	5.31263E-06	0.007917395	0.003732841	0.04763383	0.0158206	6.19735E-06	24.50414467	2.19358E-05	0.00096066	0.000263975
2045 Jul	297.4645691	1.167519808	3.435130835	0.041818503	127.4464264	0.042983718	40.98928452	0.000973197	0.000973197	5.24927E-06	0.007831836	0.003312852	0.042181917	0.01508867	6.03228E-06	22.51547241	2.18451E-05	0.00086443	0.000243046
2045 Aug	290.5866394	1.137489676	3.343900204	0.040710159	124.2761307	0.042927746	40.00283051	0.000973869	0.000973869	5.24092E-06	0.007767559	0.003250253	0.041333511	0.015067541	6.00437E-06	22.26669693	2.13945E-05	0.000846396	0.000239311
2045 Sep	279.5764771	1.090007901	3.194185495	0.03889063	119.1577759	0.042922914	38.41976929	0.000974972	0.000974972	5.22716E-06	0.007728298	0.003147778	0.039987363	0.015090833	5.95854E-06	21.93726158	2.0847E-05	0.0008182	0.000233761
2045 Oct	276.8919678	1.07869482	3.157154799	0.038440228	117.9022369	0.042927451	38.03588867	0.000975244	0.000975244	5.22372E-06	0.007736979	0.003122637	0.039642971	0.015110175	5.9472E-06	21.86593056	2.07773E-05	0.000811237	0.000232587
2045 Nov	276.8352051	1.078456879	3.15637517	0.038430661	117.875618	0.042927399	38.0278244	0.000975249	0.000975249	5.22364E-06	0.007737159	0.003122096	0.039635602	0.015110544	5.94696E-06	21.86441803	2.07758E-05	0.000811092	0.000232562
2045 Dec	276.8041992	1.078326941	3.155949831	0.038425446	117.8611069	0.042927373	38.02342224	0.000975252	0.000975252	5.2236E-06	0.007737258	0.003121801	0.039631579	0.015110745	5.94683E-06	21.86359215	2.0775E-05	0.000811013	0.000232549
2046 Jan	276.7898254	1.078256249	3.155717373	0.038422585	117.8537979	0.042926665	38.02121353	0.000975254	0.000975254	5.22358E-06	0.00773724	0.003121686	0.039629251	0.015112387	5.94676E-06	21.86429405	2.07747E-05	0.000810983	0.000232571

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Feb	276.7845459	1.07822001	3.155597925	0.038421106	117.850563	0.042925719	38.02024078	0.000975255	0.000975255	5.22356E-06	0.00773717	0.003121666	0.039627928	0.015114521	5.94672E-06	21.86562157	2.07747E-05	0.00081098	0.000232608
2046 Mar	276.7816467	1.07820034	3.155532837	0.038420297	117.8488083	0.042925201	38.01971436	0.000975255	0.000975255	5.22356E-06	0.007737132	0.003121655	0.039627209	0.015115685	5.9467E-06	21.86634636	2.07746E-05	0.000810978	0.000232627
2046 Apr	276.7799988	1.078189015	3.155495644	0.038419839	117.8478012	0.042924907	38.01941299	0.000975256	0.000975256	5.22355E-06	0.00773711	0.003121649	0.0396268	0.015116347	5.94669E-06	21.86675835	2.07746E-05	0.000810977	0.000232639
2046 May	276.1064148	1.074634433	3.144412756	0.038283896	117.4977493	0.042838555	37.91133499	0.000975337	0.000975337	5.22249E-06	0.007733359	0.003116544	0.039511438	0.015207862	5.94327E-06	21.90700912	2.07753E-05	0.00080976	0.000234098
2046 Jun	215.4582825	0.805467844	2.346149683	0.02864451	89.03710938	0.036804989	28.9065609	0.000981344	0.000981344	5.15438E-06	0.007646273	0.002539661	0.031756755	0.014661693	5.70016E-06	19.22538757	2.11479E-05	0.000661996	0.00021005
2046 Jul	172.6711273	0.617611229	1.79234159	0.022013361	69.2191391	0.033160426	22.59237289	0.000985605	0.000985605	5.11121E-06	0.007533777	0.002138023	0.026421109	0.01390405	5.53266E-06	17.03176308	2.1016E-05	0.000552243	0.000184886
2046 Aug	167.6746826	0.595531046	1.724720001	0.021211896	66.95702362	0.033427313	21.87373543	0.000986139	0.000986139	5.10653E-06	0.007461046	0.002096433	0.025845528	0.013922364	5.51237E-06	16.87950706	2.04685E-05	0.000538025	0.000181735
2046 Sep	156.7326355	0.548101902	1.57021749	0.019381516	61.93630219	0.034196347	20.29196358	0.00098736	0.00098736	5.09591E-06	0.007404981	0.002002166	0.024612889	0.014063437	5.46604E-06	16.665802	1.95314E-05	0.000507857	0.000175492
2046 Oct	149.5871582	0.518489063	1.466192245	0.018150369	58.621315	0.034761541	19.26827812	0.000988184	0.000988184	5.08882E-06	0.007465375	0.001940321	0.02372802	0.01423437	5.43488E-06	16.57876396	1.9246E-05	0.00048754	0.00017234
2046 Nov	148.5581665	0.514225245	1.451205134	0.017973032	58.14395905	0.034843549	19.12085724	0.000988302	0.000988302	5.0878E-06	0.007474123	0.001931421	0.023600623	0.014259139	5.43039E-06	16.56636047	1.92049E-05	0.000484613	0.000171887
2046 Dec	148.5330353	0.514120996	1.450839877	0.017968705	58.1322937	0.034845479	19.11725616	0.000988305	0.000988305	5.08777E-06	0.00747433	0.001931203	0.023597507	0.014259726	5.43028E-06	16.56604195	1.92039E-05	0.000484542	0.000171876
2047 Jan	148.5232849	0.514064252	1.450640321	0.017966324	58.12691116	0.034845442	19.11559868	0.000988307	0.000988307	5.08776E-06	0.00747433	0.001931157	0.023595583	0.014262479	5.43022E-06	16.56769371	1.92036E-05	0.000484524	0.000171917
2047 Feb	148.5216827	0.514035583	1.450538278	0.017965093	58.12499619	0.034844499	19.11501122	0.000988308	0.000988308	5.08775E-06	0.007474234	0.001931195	0.023594413	0.014265939	5.43019E-06	16.5700798	1.92036E-05	0.000484534	0.000171977
2047 Mar	148.5207977	0.514019847	1.450482607	0.017964419	58.12395096	0.034843985	19.11469269	0.000988308	0.000988308	5.08775E-06	0.007474182	0.001931216	0.023593776	0.014267826	5.43017E-06	16.57138252	1.92036E-05	0.000484539	0.00017201
2047 Apr	148.5203094	0.514010966	1.450451016	0.017964037	58.12335587	0.034843694	19.11450958	0.000988308	0.000988308	5.08775E-06	0.007474152	0.001931228	0.023593413	0.014268901	5.43016E-06	16.57212257	1.92036E-05	0.000484542	0.000172029
2047 May	146.2634888	0.498450011	1.400730968	0.017370198	56.77837753	0.034372538	18.68582535	0.000988708	0.000988708	5.0844E-06	0.007449127	0.001923585	0.023071013	0.015104996	5.41512E-06	17.072855	1.92541E-05	0.000482313	0.000186332
2047 Jun	126.0050507	0.375771135	1.019090652	0.012828946	45.63310623	0.030686246	15.10562038	0.00099178	0.00099178	5.05925E-06	0.007300648	0.001812454	0.019158775	0.019824386	5.30009E-06	19.58987999	1.97541E-05	0.00045155	0.00026585
2047 Jul	121.7830963	0.358241022	0.969800293	0.012249913	43.76174545	0.030332366	14.49654388	0.000992176	0.000992176	5.05617E-06	0.007285626	0.001771296	0.018688021	0.019534463	5.28541E-06	19.20708084	1.97397E-05	0.000439457	0.000259698
2047 Aug	119.3079834	0.348030925	0.938811839	0.01188671	42.70175934	0.030663369	14.15623379	0.000992426	0.000992426	5.05427E-06	0.007235344	0.001749659	0.018467732	0.01942276	5.2762E-06	19.0562458	1.93254E-05	0.000431647	0.000255485
2047 Sep	113.5877228	0.325422078	0.863108814	0.010999538	40.21077347	0.031561859	13.36984634	0.000993035	0.000993035	5.04963E-06	0.00720256	0.001697563	0.017958045	0.01922716	5.25371E-06	18.77877617	1.85942E-05	0.000413909	0.000246073
2047 Oct	109.8451385	0.311943859	0.811149359	0.010391198	38.55471802	0.032219786	12.86572266	0.000993454	0.000993454	5.04645E-06	0.007266749	0.001662981	0.017559154	0.019153744	5.23829E-06	18.63379478	1.83972E-05	0.000401689	0.000240436
2047 Nov	108.9421005	0.308691978	0.798612356	0.010244416	38.15514374	0.032378592	12.74408817	0.000993555	0.000993555	5.04569E-06	0.007282242	0.001654637	0.017462915	0.01913601	5.23457E-06	18.59880066	1.83496E-05	0.00039874	0.000239075
2047 Dec	108.9261017	0.308633924	0.798389971	0.010241811	38.1480484	0.032381311	12.74192619	0.000993556	0.000993556	5.04567E-06	0.007282508	0.00165449	0.017461196	0.019135727	5.2345E-06	18.59819794	1.83488E-05	0.000398688	0.000239052
2048 Jan	108.9216614	0.30860275	0.798269272	0.010240378	38.14525223	0.032381643	12.74108124	0.000993557	0.000993557	5.04567E-06	0.007282533	0.001654488	0.017460031	0.019138154	5.23446E-06	18.59980965	1.83486E-05	0.000398683	0.000239089
2048 Feb	108.923027	0.308587074	0.798207521	0.01023963	38.14472198	0.032380823	12.74093151	0.000993558	0.000993558	5.04566E-06	0.007282443	0.001654553	0.017459232	0.019141613	5.23444E-06	18.60230064	1.83487E-05	0.0003987	0.000239151
2048 Mar	108.9237595	0.308578581	0.798174083	0.010239224	38.1444397	0.03238038	12.74085045	0.000993558	0.000993558	5.04566E-06	0.007282394	0.001654589	0.017458802	0.019143483	5.23443E-06	18.60364723	1.83487E-05	0.000398709	0.000239184
2048 Apr	108.9286118	0.308537006	0.798007369	0.010237201	38.14332581	0.032378025	12.74054718	0.000993559	0.000993559	5.04565E-06	0.007282134	0.001654788	0.0174566	0.019153502	5.23438E-06	18.61089134	1.8349E-05	0.000398761	0.000239364
2048 May	108.9304504	0.308514416	0.797919512	0.010236138	38.14253998	0.0323768	12.74031925	0.00099356	0.00099356	5.04564E-06	0.007282007	0.00165488	0.017455466	0.019158363	5.23436E-06	18.6143837	1.83491E-05	0.000398785	0.000239451
2048 Jun	90.59483337	0.232738957	0.593204141	0.007838573	29.98453331	0.029485233	10.04118633	0.000995218	0.000995218	5.03339E-06	0.007317378	0.001461071	0.015527803	0.017430341	5.17355E-06	16.59728622	1.92606E-05	0.000349504	0.000208402
2048 Jul	76.23783112	0.173970491	0.435725451	0.005996792	23.67959404	0.027578074	7.961198807	0.000996495	0.000996495	5.0241E-06	0.007290995	0.001313442	0.013994792	0.016044617	5.12683E-06	14.97583103	1.96359E-05	0.000308716	0.000182768
2048 Aug	73.70790863	0.16378586	0.40447253	0.005632821	22.66895676	0.028457403	7.641140938	0.000996749	0.000996749	5.0223E-06	0.007176304	0.001295065	0.013804652	0.015939601	5.1176E-06	14.84050846	1.87399E-05	0.000299146	0.000177177
2048 Sep	71.70620728	0.156648651	0.375190556	0.005291994	21.8383522	0.029421119	7.389734268	0.000996987	0.000996987	5.02063E-06	0.007154841	0.001278503	0.013688275	0.01591973	5.10895E-06	14.81903267	1.81387E-05	0.000291918	0.000172664
2048 Oct	70.44862366	0.153379753	0.354269892	0.005048868	21.29542542	0.030148944	7.242870808	0.000997157	0.000997157	5.01944E-06	0.007216439	0.001267864	0.013561644	0.01596467	5.10278E-06	14.84834385	1.79784E-05	0.000286758	0.000170254
2048 Nov	70.03694916	0.152294204	0.347465754	0.004969778	21.11758804	0.030381247	7.194535255	0.000997212	0.000997212	5.01905E-06	0.007236055	0.001264372	0.013520128	0.015978495	5.10077E-06	14.85695744	1.79268E-05	0.000285081	0.000169471
2048 Dec	70.03039551	0.152276725	0.347358078	0.004968526	21.11475754	0.030384863	7.193763256	0.000997213	0.000997213	5.01904E-06	0.007236359	0.001264316	0.013519467	0.015978701	5.10074E-06	14.85708141	1.7926E-05	0.000285054	0.000169458
2049 Jan	70.03155518	0.152267888	0.347300559	0.004967838	21.11440468	0.030385576	7.193714142	0.000997214	0.000997214	5.01904E-06	0.007236394	0.001264372	0.013518861	0.015981644	5.10072E-06	14.85927773	1.79258E-05	0.000285065	0.000169506
2049 Feb	70.03614044	0.152263999	0.347272187	0.004967481	21.11523628	0.030384872	7.194005013	0.000997214	0.000997214	5.01904E-06	0.007236301	0.001264473	0.013518343	0.015985539	5.10071E-06	14.86219883	1.79259E-05	0.000285092	0.000169577
2049 Mar	70.03864288	0.152261868	0.34725675	0.004967286	21.11568832	0.030384488	7.194163322	0.000997214	0.000997214	5.01904E-06	0.00723625	0.001264528	0.01351806	0.015987663	5.10071E-06	14.86378956	1.7926E-05	0.000285107	0.000169615
2049 Apr	70.04006958	0.152260661	0.347247958	0.004967176	21.11594772	0.03038427	7.194252968	0.000997214	0.000997214	5.01904E-06	0.007236221	0.00126456	0.013517899	0.015988868	5.1007E-06	14.86469555	1.7926E-05	0.000285115	0.000169637
2049 May	70.084198	0.151934966	0.346031606	0.00495241	21.10866737	0.030352909	7.19200182	0.000997224	0.000997224	5.01896E-06	0.007234466	0.001266148	0.013500459	0.016067727	5.10033E-06	14.92132378	1.79353E-05	0.000285571	0.000171092
2049 Jun	60.84024429	0.1115274 13	0.244719476	0.003767648	16.88207626	0.027678687	5.763958931	0.000998054	0.000998054	5.0132E-06	0.007278453	0.001165254	0.012454251	0.015178426	5.07026E-06	13.83595276	1.90588E-05	0.000263623	0.000158747
2049 Jul	55.81409836	0.091339968	0.196108148	0.003201686	14.74100971	0.026814058	5.050372124	0.00099845	0.00099845	5.01046E-06	0.007236597	0.001113604	0.011896849	0.014523003	5.0559E-06	13.10632324	1.91857E-05	0.000248193	0.000147748
2049 Aug	55.3671875	0.089603782	0.190843076	0.003140729	14.58829308	0.027152387	5.004816055	0.000998493	0.000998493	5.01017E-06	0.00719148	0.001112112	0.01186307	0.014515694	5.05435E-06	13.09026718	1.88577E-05	0.000245832	0.000146501
2049 Sep	54.69566345	0.088333294	0.176329046	0.002972798	14.34123135	0.028273601	4.94975853	0.000998611	0.000998611	5.00937E-06	0.007194262	0.001108671	0.011874392	0.014610418	5.05009E-06	13.20562458	1.83114E-05	0.000242189	0.000144149
2049 Oct	54.32929611	0.088969417	0.165092498	0.0028431	14.19478989	0.029175799	4.936184406	0.000998702	0.000998702	5.00874E-06	0.007264501	0.001107077	0.011844522	0.014736653	5.04679E-06	13.33485222	1.81271E-05	0.000239377	0.000143062
2049 Nov	54.27051544	0.089076132	0.163274109	0.002822112	14.17132473	0.029322574	4.934090614	0.000998717	0.000998717	5.00864E-06	0.007275929	0.001106825	0.011839748	0.014757254	5.04626E-06	13.35595417	1.80971E-05	0.000238922	0.000142887
2049 Dec	54.26893234	0.089078121	0.163228065	0.00282158	14.17068672	0.029326145	4.934018612	0.000998717	0.000998717	5.00864E-06	0.007276207	0.001106818	0.011839616	0.014757744	5.04625E-06	13.35645294	1.80964E-05	0.000238911	0.000142883
2050 Jan	54.27243042	0.089079946	0.163204283	0.002821287	14.17144394	0.029326936	4.934323788	0.000998718	0.000998718	5.00864E-06	0.007276238	0.001106893	0.011839321	0.01476061	5.04624E-06	13.35868073	1.80962E-05	0.000238928	0.00014293
2050 Feb	54.27791214	0.089081503	0.1631933	0.002821136	14.17276478	0.029326363	4.934772491	0.000998718	0.000998718	5.00864E-06	0.007276152	0.001106998	0.011838981	0.014764271	5.04624E-06	13.36147213	1.80964E-05	0.000238956	0.000142997
2050 Mar	54.28089523	0.08908236	0.163187295	0.002821053	14.1734848	0.02932605	4.935016155	0.000998718	0.000998718	5.00864E-06	0.007276104	0.001107056	0.011838796	0.014766267	5.04623E-06	13.36299419	1.80964E-05	0.000238972	0.000143034
2050 Apr	54.28259277	0.089082837	0.163183898	0.002821006	14.17389393	0.029325873	4.935155392	0.000998718	0.000998718	5.00864E-06	0.007276078	0.001107089	0.011838689	0.014767402	5.04623E-06	13.36385918	1.80964E-05	0.000238981	0.000143054
2050 May	54.33732224	0.089028634	0.162878975	0.002817141	14.183424	0.029310653	4.938318253	0.00099872	0.00099872	5.00862E-06	0.007275092	0.001108261	0.011832404	0.014812766	5.04613E-06	13.39762974	1.81015E-05	0.000239319	0.000143899
2050 Jun	51.88201523	0.071453728	0.121474281	0.00232652	12.70598888	0.02719029	4.417893887	0.000999065	0.000999065	5.00628E-06	0.007284737	0.001089001	0.011290714	0.015267073	5.03368E-06	13.54419136	1.90443E-05	0.000239409	0.000156535
2050 Jul	48.62315369	0.05908557	0.097124852	0.002044773	11.41761494	0.026657052	3.985656023	0.000999264	0.000999264	5.00494E-06	0.007203462	0.001056558	0.010920087	0.014658075	5.02653E-06	12.90418148	1.89422E-05	0.000227531	0.000146562
2050 Aug	48.1329689	0.057402179	0.093282096	0.002000881	11.28822994	0.027126621	3.952080488	0.000999295	0.000999295	5.00473E-06	0.007126526	0.001057259	0.010848215	0.014634585	5.02541E-06	12.85581875	1.84529E-05	0.000223787	0.000144839
2050 Sep	48.0343895	0.058067445	0.087960474	0.001939942	11.2930212	0.027998649	3.969456911	0.000999337	0.000999337	5.00444E-06	0.007117823	0.001058107	0.010923835	0.014700091	5.02387E-06	12.95833492	1.79993E-05	0.000222308	0.000143128
2050 Oct	48.05133057	0.05866728	0.086678423	0.001925341	11.30547047	0.028213043	3.981286764	0.000999348	0.000999348	5.00437E-06	0.007134887	0.001058575	0.01093046	0.014729987	5.02349E-06	12.99325943	1.79596E-05	0.000221953	0.000142925
2050 Nov	48.05166626	0.058681138	0.08664754	0.001924989	11.30573559	0.028218089	3.9815557	0.000999348	0.000999348	5.00437E-06	0.007135288	0.001058586	0.010930608	0.014730685	5.02349E-06	12.99407387	1.79587E-05	0.000221945	0.00014292
2050 Dec	48.0517807	0.058687314	0.086633012	0.001924824	11.30584049	0.028220395	3.981674194	0.000999348	0.000999348	5.00437E-06	0.00713547	0.00105859	0.01093672	0.014731002	5.02348E-06	12.99444294	1.79583E-05	0.000221941	0.000142918
2051 Jan	48.05501175	0.058691509	0.086625755	0.001924728	11.30670547	0.028220899	3.981993437	0.000999348	0.000999348	5.00437E-06	0.007135489	0.00105865	0.01093055	0.014733059	5.02348E-06	12.996068	1.79582E-05	0.000221955	0.000142953
2051 Feb	48.0593338	0.058694355	0.086622588	0.001924674	11.30782986	0.028220527	3.982372999	0.000999348	0.000999348	5.00437E-06	0.007135432	0.001058729	0.010930355	0.014735701	5.02348E-06	12.99810028	1.79583E-05	0.000221977	0.000143001
2051 Mar	48.06169128	0.058695905	0.08662086	0.001924645	11.30844307	0.028220324	3.982579708	0.000999348	0.000999348	5.00437E-06	0.0071354	0.001058772	0.010930249	0.014737143	5.02348E-06	12.9992094	1.79583E-05	0.000221989	0.000143027
2051 Apr	48.06303787	0.058696792	0.086619876	0.001924629	11.30879211	0.028220206	3.982697725	0.000999348	0.000999348	5.00437E-06	0.007135382	0.001058797	0.010930188	0.014737964	5.02348E-06	12.99983978	1.79584E-05	0.000221995	0.000143042
2051 May	48.54246902	0.058746461	0.085650399	0.00191119	11.41880035	0.02812344	4.019028664	0.000999358	0.000999358	5.0043E-06	0.007129661	0.001067832	0.01089854	0.015058879	5.02313E-06	13.24321365	1.79957E-05	0.00022464	0.000149033
2051 Jun	50.44891739	0.047881193	0.056742121	0.001553692	11.24504852	0.025335919	3.922276258	0.000999609	0.000999609	5.00261E-06	0.007140769	0.001113702	0.010360136	0.017463841	5.01406E-06	14.93545628	1.93659E-05	0.000245652	0.00019898
2051 Jul	48.86193848	0.043498274	0.050431199	0.001482769	10.67172813	0.02493074	3.722834826	0.00099966	0.00099966	5.00227E-06	0.007144677	0.001090456	0.010281671	0.016872281	5.01226E-06	14.42703724	1.95287E-05	0.000239991	0.00018937
2051 Aug	48.31298065	0.042571224	0.047174662	0.001447106	10.59551525	0.025923438	3.707557201	0.000999685	0.000999685	5.00211E-06	0.007038724	0.001089229	0.010326449	0.016730925	5.01135E-06	14.33460617	1.8677E-05	0.000235261	0.000183995
2051 Sep	48.33389282	0.046254963	0.043395381	0.001406168	10.71394539	0.027325014	3.782974005	0.000999714	0.000999714	5.00191E-06	0.007091679	0.00108933	0.010451047	0.016715627	5.01031E-06	14.41141415	1.82017E-05	0.0002324	0.000179198
2051 Oct	48.62730789	0.055432994	0.036858387	0.001336028	11.00430012	0.029894019	3.96574378	0.000999763	0.000999763	5.00158E-06	0.007291107	0.001091319	0.010618484	0.016769974	5.00853E-06	14.61205482	1.77144E-05	0.000227349	0.00017173
2051 Nov	48.66311646	0.056470096	0.036156777	0.001328524	11.03791237	0.030180654	3.986556053	0.000999768	0.000999768	5.00155E-06	0.007313511	0.00109157	0.010637363	0.016776502	5.00834E-06	14.63489723	1.76606E-05	0.000226795	0.000170906
2051 Dec	48.66368484	0.056486238	0.036146004	0.001328409	11.0384388	0.030185102	3.986880541	0.000999768	0.000999768	5.00155E-06	0.00731386	0.001091574	0.010637658	0.016776606	5.00834E-06	14.63525391	1.76598E-05	0.000226787	0.000170893
2052 Jan	48.66940308	0.056495987	0.036142047	0.001328346	11.04009724	0.030186087	3.987486124	0.000999768	0.000999768	5.00155E-06	0.007313899	0.001091674	0.010637543	0.016779874	5.00834E-06	14.63786411	1.76596E-05	0.000226811	0.000170949
2052 Feb	48.67697525	0.056501865	0.036141615	0.001328313	11.04212761	0.030185375	3.988164902	0.000999768	0.000999768	5.00155E-06	0.007313793	0.00109181	0.010637249	0.016784305	5.00834E-06	14.64127731	1.76598E-05	0.000226849	0.00017103
2052 Mar	48.68107986	0.056505043	0.036141384	0.001328295	11.04322624	0.03018499	3.988532782	0.000999768	0.000999768	5.00155E-06	0.007313735	0.001091884	0.01063709	0.016786704	5.00834E-06	14.64312649	1.76599E-05	0.000226869	0.000171074
2052 Apr	48.68336105	0.056506813	0.036141258	0.001328285	11.04383755	0.030184776	3.988737345	0.000999768	0.000999768	5.00155E-06	0.007313703	0.001091924	0.010637002	0.016788037	5.00834E-06	14.64415359	1.76599E-05	0.00022688	0.000171099
2052 May	49.98337936	0.056968912	0.03549673	0.001315397	11.36528778	0.029897036	4.092802525	0.000999777	0.000999777	5.00148E-06	0.007295462	0.001115318	0.010568982	0.01758199	5.00801E-06	15.24717617	1.77641E-05	0.000233845	0.000186151
2052 Jun	53.45156097	0.054877833	0.03071137	0.001241916	12.06266403	0.028104411	4.294709682	0.000999829	0.000999829	5.00114E-06	0.007244775	0.001178277	0.010282134	0.019891404	5.00614E-06	16.95023727	1.85089E-05	0.000255802	0.000232646
2052 Jul	52.07888794	0.051461644	0.028513586	0.0012197	11.69242096	0.028422974	4.178318977	0.000999845	0.000999845	5.00103E-06	0.007132103	0.001167668	0.010139447	0.019420475	5.00558E-06	16.50363731	1.79608E-05	0.000247146	0.000223647
2052 Aug	51.64122772	0.050629642	0.02753534	0.001209929	11.61516094	0.028896727	4.155963898	0.000999852	0.000999852	5.00099E-06	0.007065313	0.001165015	0.010154183	0.019257726	5.00533E-06	16.37697792	1.74958E-05	0.000243847	0.000219461
2052 Sep	51.48569489	0.05204425	0.026315205	0.001197837	11.64128208	0.029630501	4.176989079	0.00099986	0.00099986	5.00093E-06	0.007069656	0.001161944	0.010254139	0.019128868	5.00502E-06	16.32900429	1.71547E-05	0.000241784	0.000214851
2052 Oct	51.4732666	0.053520471	0.025680756	0.00119169	11.67424393	0.030022521	4.200862408	0.000999865	0.000999865	5.0009E-06	0.007103823	0.001160783	0.010287601	0.019085115	5.00487E-06	16.32126236	1.70916E-05	0.000240714	0.000212787
2052 Nov	51.47302628	0.053549349	0.025668472	0.001191571	11.67488956	0.03003017	4.201328754	0.000999865	0.000999865	5.0009E-06	0.007104492	0.001160761	0.010288255	0.019084256	5.00486E-06	16.32110786	1.70904E-05	0.000240693	0.000212746
2052 Dec	51.47293091	0.053560503	0.025663728	0.001191525	11.67513847	0.030033126	4.201508999	0.000999865	0.000999865	5.0009E-06	0.007104751	0.001160752	0.010288508	0.019083925	5.00486E-06	16.32104874	1.70899E-05	0.000240685	0.000212731

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Jan	51.4765625	0.053567223	0.025662459	0.0011915	11.6762085	0.030033754	4.201899052	0.000999865	0.000999865	5.0009E-06	0.007104789	0.001160814	0.010288458	0.019085929	5.00486E-06	16.32265854	1.70899E-05	0.0002407	0.000212765
2053 Feb	51.48152924	0.053571213	0.02566291	0.001191487	11.67754364	0.030033251	4.202344418	0.000999865	0.000999865	5.0009E-06	0.007104723	0.001160902	0.010288276	0.019088799	5.00486E-06	16.32487297	1.709E-05	0.000240725	0.000212818
2053 Mar	51.48423386	0.053573392	0.025663156	0.00119148	11.67827129	0.030032977	4.202587128	0.000999865	0.000999865	5.0009E-06	0.007104687	0.00116095	0.010288177	0.019090364	5.00486E-06	16.32607841	1.70901E-05	0.000240738	0.000212846
2053 Apr	51.48577881	0.053574629	0.025663296	0.001191476	11.67868614	0.030032823	4.20272541	0.000999865	0.000999865	5.0009E-06	0.007104666	0.001160977	0.010288119	0.019091254	5.00486E-06	16.32676697	1.70901E-05	0.000240746	0.000212863
2053 May	54.66157532	0.054854322	0.025143784	0.00117243	12.4675827	0.029245125	4.455625534	0.000999878	0.000999878	5.00081E-06	0.007067385	0.00121676	0.010134721	0.020981018	5.00438E-06	17.7636528	1.74085E-05	0.000257924	0.000249019
2053 Jun	60.69421387	0.054785427	0.022815987	0.001118047	13.83718777	0.026801618	4.87194109	0.000999917	0.000999917	5.00056E-06	0.00700788	0.001321312	0.00977349	0.024666434	5.003E-06	20.52702141	1.84897E-05	0.000293561	0.00032213
2053 Jul	59.72285461	0.052924093	0.022075063	0.001111942	13.53190517	0.026594324	4.763634682	0.000999921	0.000999921	5.00053E-06	0.007011679	0.001304966	0.009766019	0.024169434	5.00284E-06	20.12181664	1.85754E-05	0.0002896	0.000313844
2053 Aug	59.41487122	0.052573271	0.021756394	0.001109503	13.47319126	0.026855009	4.745325565	0.000999923	0.000999923	5.00052E-06	0.006983202	0.001301405	0.009790898	0.024016723	5.00278E-06	20.00924683	1.83446E-05	0.000287557	0.000310389
2053 Sep	59.32415009	0.052608982	0.021625828	0.001108496	13.46062279	0.02697742	4.741629124	0.000999923	0.000999923	5.00051E-06	0.006977142	0.001299895	0.009813713	0.023959029	5.00275E-06	19.9733181	1.8261E-05	0.000286961	0.000308988
2053 Oct	59.2805748	0.052951783	0.021516839	0.001107697	13.45876408	0.027080152	4.744174957	0.000999924	0.000999924	5.00051E-06	0.006985834	0.001298878	0.009823987	0.023922954	5.00273E-06	19.95200729	1.82426E-05	0.000286484	0.000308011
2053 Nov	59.2322464	0.053331651	0.021396222	0.001106813	13.45669556	0.027194003	4.746993065	0.000999925	0.000999925	5.0005E-06	0.006995466	0.00129775	0.009835375	0.023882948	5.00271E-06	19.92836952	1.82221E-05	0.000285955	0.000306927
2053 Dec	59.23034668	0.053346556	0.021391504	0.001106779	13.45661354	0.027198467	4.747103214	0.000999925	0.000999925	5.0005E-06	0.006995844	0.001297706	0.009835823	0.023881376	5.00271E-06	19.92744064	1.82213E-05	0.000285934	0.000306885
2054 Jan	59.23431396	0.053355642	0.021390695	0.00110676	13.45783997	0.027199594	4.747560978	0.000999925	0.000999925	5.0005E-06	0.006995913	0.001297772	0.009835813	0.023883486	5.00271E-06	19.92916679	1.82211E-05	0.000285949	0.000306919
2054 Feb	59.24057007	0.05336104	0.02139179	0.00110675	13.45954037	0.027199047	4.748130322	0.000999925	0.000999925	5.0005E-06	0.006995832	0.001297883	0.009835595	0.023887072	5.00271E-06	19.93193817	1.82212E-05	0.00028598	0.000306985
2054 Mar	59.24397659	0.053363979	0.021392385	0.001106745	13.46046543	0.027198751	4.748439789	0.000999925	0.000999925	5.0005E-06	0.006995787	0.001297943	0.009835476	0.023889026	5.00271E-06	19.93344688	1.82213E-05	0.000285997	0.000307021
2054 Apr	59.24591827	0.053365652	0.021392725	0.001106741	13.46099281	0.027198579	4.748616219	0.000999925	0.000999925	5.0005E-06	0.006995762	0.001297978	0.009835407	0.023890141	5.00271E-06	19.9343071	1.82214E-05	0.000286006	0.000307041
2054 May	59.90236664	0.053680144	0.02138212	0.00110398 1	13.62611866	0.027042652	4.801744461	0.000999927	0.000999927	5.00049E-06	0.006988631	0.001309431	0.009805265	0.024275837	5.00264E-06	20.22813416	1.8286E-05	0.000289522	0.000314409
2054 Jun	61.9505806	0.05120815	0.019723358	0.001072827	13.95900726	0.025188005	4.876734734	0.000999949	0.000999949	5.00034E-06	0.006987295	0.001342764	0.00961284	0.025601413	5.00185E-06	21.18250847	1.91924E-05	0.000304774	0.000343515
2054 Jul	58.97608948	0.046397779	0.018094642	0.00106283	13.12126732	0.025288939	4.595432281	0.000999956	0.000999956	5.0003E-06	0.006935077	0.001299428	0.009555687	0.024131373	5.0016E-06	19.9724884	1.89067E-05	0.000289598	0.000317154
2054 Aug	58.06349182	0.045796677	0.017388431	0.001058807	12.96260452	0.026168779	4.546646118	0.000999958	0.000999958	5.00028E-06	0.006858197	0.00128751	0.009669005	0.023634152	5.00149E-06	19.62183762	1.81934E-05	0.000283503	0.00030576
2054 Sep	57.54163742	0.046445176	0.016841508	0.001055726	12.89877319	0.026925996	4.531430721	0.000999961	0.000999961	5.00026E-06	0.006836966	0.001278295	0.009802975	0.023281263	5.00142E-06	19.40261078	1.77375E-05	0.000279819	0.000297149
2054 Oct	57.27449417	0.048729807	0.01636765	0.00105325	12.89269829	0.027580645	4.549757957	0.000999962	0.000999962	5.00025E-06	0.006894301	0.001271786	0.009870172	0.023046827	5.00135E-06	19.26399994	1.76271E-05	0.000276787	0.000290846
2054 Nov	57.17314148	0.049604174	0.016187605	0.001052313	12.89056778	0.027830591	4.556827545	0.000999963	0.000999963	5.00025E-06	0.006916248	0.001269309	0.009895822	0.022957597	5.00133E-06	19.21130562	1.75852E-05	0.000275632	0.000288444
2054 Dec	57.17108536	0.049622037	0.01618395	0.001052294	12.89052773	0.027835686	4.55697298	0.000999963	0.000999963	5.00025E-06	0.006916696	0.001269259	0.009896345	0.022955781	5.00133E-06	19.2102356	1.75844E-05	0.000275608	0.000288396
2055 Jan	57.17555618	0.049632818	0.016183952	0.001052284	12.89192486	0.027836991	4.557496071	0.000999963	0.000999963	5.00025E-06	0.006916787	0.001269332	0.009896347	0.022958107	5.00133E-06	19.21214676	1.75842E-05	0.000275626	0.000288433
2055 Feb	57.18254852	0.049639169	0.016185638	0.001052278	12.89383507	0.027836408	4.558135986	0.000999963	0.000999963	5.00025E-06	0.006916704	0.001269456	0.009896109	0.022962091	5.00133E-06	19.21522713	1.75844E-05	0.00027566	0.000288506
2055 Mar	57.18635559	0.04964263	0.016186556	0.001052275	12.89487362	0.027836092	4.558485031	0.000999963	0.000999963	5.00025E-06	0.006916658	0.001269523	0.00989598	0.02296426	5.00133E-06	19.21690369	1.75844E-05	0.000275678	0.000288546
2055 Apr	57.18852615	0.049644601	0.016187077	0.001052274	12.8954668	0.027835911	4.558683872	0.000999963	0.000999963	5.00025E-06	0.006916632	0.001269561	0.009895906	0.022965496	5.00133E-06	19.21786118	1.75845E-05	0.000275689	0.000288569
2055 May	57.18940735	0.049645349	0.016187277	0.001052273	12.89570427	0.027835812	4.558763027	0.000999963	0.000999963	5.00025E-06	0.006916622	0.001269576	0.009895874	0.022965999	5.00133E-06	19.21825027	1.75845E-05	0.000275693	0.000288578
2055 Jun	51.06468201	0.038596459	0.013383516	0.001035556	10.90173721	0.025768984	3.837284088	0.000999975	0.000999975	5.00017E-06	0.0070626	0.001154645	0.009936924	0.019607756	5.0009E-06	16.52267265	1.88862E-05	0.000253644	0.000234254
2055 Jul	48.61252594	0.034162916	0.012279227	0.001029279	10.13725471	0.025214771	3.566782475	0.000999979	0.000999979	5.00014E-06	0.007080755	0.001112826	0.009914455	0.018323382	5.00074E-06	15.47469711	1.91497E-05	0.0002435	0.000212923
2055 Aug	48.33176804	0.033869769	0.01209911	0.001028448	10.09907341	0.025565226	3.558680773	0.00099998	0.00099998	5.00013E-06	0.00703825	0.001111458	0.009916148	0.018209182	5.00072E-06	15.38310432	1.88346E-05	0.000241013	0.00020996
2055 Sep	48.19639587	0.03510987	0.011796474	0.001027007	10.14567184	0.026316874	3.582695961	0.000999981	0.000999981	5.00013E-06	0.007019292	0.001108964	0.010032952	0.018068247	5.00069E-06	15.32755566	1.84016E-05	0.000239007	0.000205166
2055 Oct	48.20933533	0.036018744	0.011700582	0.001026595	10.17411327	0.026544761	3.599456549	0.000999981	0.000999981	5.00013E-06	0.007037174	0.001108606	0.010053222	0.0180458	5.00068E-06	15.32520294	1.83589E-05	0.000238431	0.000204037
2055 Nov	48.21289063	0.036257848	0.01167547	0.001026487	10.181633	0.026604652	3.603876591	0.000999981	0.000999981	5.00012E-06	0.007041875	0.001108514	0.010058546	0.018039981	5.00067E-06	15.3246479	1.83477E-05	0.00023828	0.000203741
2055 Dec	48.2133522	0.036288533	0.011672252	0.001026473	10.18259907	0.026612336	3.604444504	0.000999981	0.000999981	5.00012E-06	0.007042478	0.001108503	0.010059229	0.018039238	5.00067E-06	15.32457924	1.83462E-05	0.000238261	0.000203704
2056 Jan	48.22053146	0.036304127	0.011673242	0.001026466	10.18481731	0.026614083	3.605261326	0.000999981	0.000999981	5.00012E-06	0.007042568	0.001108623	0.010059196	0.018043019	5.00067E-06	15.32765579	1.83459E-05	0.000238289	0.000203766
2056 Feb	48.23005676	0.036313228	0.011675838	0.001026463	10.18743992	0.02661344	3.606144905	0.000999981	0.000999981	5.00012E-06	0.007042453	0.001108791	0.010058884	0.018048428	5.00067E-06	15.33184433	1.83461E-05	0.000238335	0.000203865
2056 Mar	48.23523712	0.036318175	0.011677251	0.001026461	10.18886662	0.026613094	3.60662508	0.000999981	0.000999981	5.00012E-06	0.00704239	0.001108883	0.010058713	0.018051369	5.00067E-06	15.3341217	1.83461E-05	0.00023836	0.000203919
2056 Apr	48.23812866	0.036320936	0.011678039	0.00102646	10.18966293	0.026612898	3.606893301	0.000999981	0.000999981	5.00012E-06	0.007042355	0.001108934	0.010058617	0.018053012	5.00067E-06	15.33539391	1.83462E-05	0.000238374	0.000203949
2056 May	50.48323822	0.03806524	0.012245674	0.001024699	10.78296471	0.026256951	3.802695274	0.000999983	0.000999983	5.00012E-06	0.007022239	0.001147882	0.009972082	0.019334471	5.00063E-06	16.3202858	1.85012E-05	0.000249768	0.000227967
2056 Jun	57.33911514	0.042390909	0.013889532	0.001017158	12.53222275	0.024651604	4.369453907	0.000999988	0.000999988	5.00008E-06	0.006978669	0.00126518	0.009675237	0.023264525	5.00044E-06	19.32160568	1.92771E-05	0.000286072	0.000303106
2056 Jul	56.41699219	0.040975109	0.013560582	0.001016224	12.28346634	0.024753597	4.28819418	0.000999989	0.000999989	5.00008E-06	0.006953976	0.001252755	0.009646032	0.022818103	5.00041E-06	18.94917488	1.91294E-05	0.000280962	0.000294937
2056 Aug	55.74102783	0.040295959	0.013250212	0.001015457	12.16332054	0.025352517	4.256332874	0.000999989	0.000999989	5.00007E-06	0.006885005	0.001247076	0.009648648	0.022513896	5.00039E-06	18.70553589	1.85998E-05	0.000275727	0.000287925
2056 Sep	55.62672806	0.041195866	0.013104114	0.001015105	12.16991138	0.025701469	4.265939713	0.000999989	0.000999989	5.00007E-06	0.006896223	0.001244533	0.009694006	0.022410171	5.00038E-06	18.64899445	1.84709E-05	0.000274385	0.000284982
2056 Oct	55.48556519	0.043575212	0.012826295	0.001014474	12.2009325	0.02634914	4.29629755	0.00099999	0.00099999	5.00007E-06	0.006948564	0.001240323	0.009758139	0.022244079	5.00037E-06	18.56292725	1.83497E-05	0.000271935	0.000279941
2056 Nov	55.45243073	0.044131495	0.012761432	0.001014328	12.20814514	0.026500518	4.303380966	0.00099999	0.00099999	5.00007E-06	0.006960815	0.001239335	0.009773147	0.022205155	5.00036E-06	18.54273796	1.83214E-05	0.000271361	0.000278761
2056 Dec	55.45129776	0.044150524	0.012759215	0.001014323	12.20839119	0.026505698	4.303622723	0.00099999	0.00099999	5.00007E-06	0.006961234	0.001239301	0.009773661	0.02220382	5.00036E-06	18.54204559	1.83204E-05	0.000271342	0.000278721
2057 Jan	55.45602036	0.044161875	0.012759919	0.00101432	12.20988083	0.026507108	4.304178238	0.00099999	0.00099999	5.00007E-06	0.006961316	0.00123938	0.00977367	0.022206262	5.00036E-06	18.54405403	1.83202E-05	0.00027136	0.00027876
2057 Feb	55.4629364	0.044168495	0.012761894	0.001014319	12.21178627	0.026506636	4.304819584	0.00099999	0.00099999	5.00007E-06	0.006961233	0.001239501	0.009773447	0.022210184	5.00036E-06	18.54709244	1.83203E-05	0.000271393	0.000278832
2057 Mar	55.46671677	0.044172104	0.012762972	0.001014318	12.21282578	0.026506377	4.305169582	0.00099999	0.00099999	5.00007E-06	0.006961187	0.001239568	0.009773325	0.022212323	5.00036E-06	18.54874992	1.83203E-05	0.000271411	0.000278871
2057 Apr	55.46886444	0.044174161	0.012763586	0.001014317	12.21341801	0.026506232	4.3053689	0.00099999	0.00099999	5.00007E-06	0.006961161	0.001239606	0.009773255	0.022213543	5.00036E-06	18.54969406	1.83204E-05	0.000271422	0.000278893
2057 May	55.97769165	0.044555172	0.012905383	0.001014057	12.34701824	0.02641682	4.349206924	0.00099999	0.00099999	5.00007E-06	0.006956901	0.001248373	0.00975389	0.022503182	5.00036E-06	18.7722435	1.83605E-05	0.000274034	0.000284348
2057 Jun	56.44745636	0.041645408	0.012965349	0.001009394	12.27048969	0.024652526	4.287630081	0.000999993	0.000999993	5.00004E-06	0.007008336	0.00125063	0.009646737	0.022808043	5.00024E-06	18.94945145	1.93673E-05	0.000281482	0.000294894
2057 Jul	55.05942917	0.039510123	0.012544069	0.001008624	11.85953712	0.024500707	4.144943714	0.000999994	0.000999994	5.00004E-06	0.007014269	0.001227271	0.009647035	0.022066787	5.00022E-06	18.35217285	1.94262E-05	0.000275251	0.000282103
2057 Aug	54.89323807	0.039372064	0.012471304	0.001008517	11.8319006	0.024663907	4.137557507	0.000999994	0.000999994	5.00004E-06	0.006996934	0.001225733	0.009653869	0.021987457	5.00022E-06	18.29130936	1.92862E-05	0.000273974	0.000280246
2057 Sep	54.76915741	0.040062763	0.012348555	0.001008338	11.83378887	0.02499135	4.143871307	0.000999994	0.000999994	5.00004E-06	0.007000511	0.001223251	0.009699782	0.021884032	5.00021E-06	18.23344231	1.91394E-05	0.000272685	0.000277388
2057 Oct	54.69202805	0.041274194	0.012216631	0.001008159	11.84933186	0.025330156	4.159319878	0.000999994	0.000999994	5.00004E-06	0.00702619	0.001221071	0.009733154	0.021796517	5.00021E-06	18.18753433	1.907E-05	0.000271387	0.000274745
2057 Nov	54.68173218	0.041436661	0.01219897	0.001008135	11.85142994	0.02537558	4.161396027	0.000999994	0.000999994	5.00004E-06	0.007029632	0.00122078	0.009737626	0.021784812	5.00021E-06	18.1814003	1.90606E-05	0.000271213	0.000274391
2057 Dec	54.68070221	0.041453008	0.012197195	0.001008133	11.85164261	0.025380149	4.161605358	0.000999994	0.000999994	5.00004E-06	0.007029978	0.00122075	0.009738076	0.021783635	5.00021E-06	18.18078613	1.90597E-05	0.000271195	0.000274356
2058 Jan	54.68467331	0.041462764	0.01219785	0.001008132	11.85290909	0.025381448	4.162079334	0.000999994	0.000999994	5.00004E-06	0.007030041	0.001220817	0.009738091	0.021785684	5.00021E-06	18.18247414	1.90594E-05	0.00027121	0.000274388
2058 Feb	54.6905365	0.041468453	0.012199559	0.001008131	11.85453033	0.025381098	4.162625313	0.000999994	0.000999994	5.00004E-06	0.007029968	0.00122092	0.009737906	0.021789005	5.00021E-06	18.18504906	1.90595E-05	0.000271238	0.000274449
2058 Mar	54.69373703	0.041471556	0.012200492	0.001008131	11.85541439	0.025380908	4.162923336	0.000999994	0.000999994	5.00004E-06	0.007029928	0.001220976	0.009737805	0.021790816	5.00021E-06	18.18645287	1.90595E-05	0.000271253	0.000274482
2058 Apr	54.69555283	0.041473318	0.012201021	0.001008131	11.85591698	0.025380798	4.16309309	0.000999994	0.000999994	5.00004E-06	0.007029905	0.001221009	0.009737747	0.021791847	5.00021E-06	18.18725204	1.90596E-05	0.000271262	0.000274501
2058 May	57.04335785	0.043310214	0.012894125	0.001007484	12.47913074	0.025020691	4.368458271	0.000999995	0.000999995	5.00003E-06	0.007006909	0.00126168	0.009651903	0.023126751	5.00019E-06	19.21468353	1.92085E-05	0.000283165	0.000299495
2058 Jun	64.00739288	0.047425099	0.014984016	0.001004526	14.24981689	0.023289468	4.937206745	0.000999997	0.000999997	5.00002E-06	0.0069573	0.001380116	0.009362813	0.027101278	5.00011E-06	22.25090981	2.0021E-05	0.000320457	0.000375818
2058 Jul	62.75795364	0.045732643	0.014620468	0.001004268	13.89355087	0.023266684	4.81559515	0.000999997	0.000999997	5.00002E-06	0.006959315	0.001359401	0.009370915	0.026429446	5.00011E-06	21.71430588	2.00095E-05	0.000314523	0.000363892
2058 Aug	62.20633698	0.045238312	0.014413112	0.001004145	13.78491402	0.023664864	4.784256935	0.000999997	0.000999997	5.00002E-06	0.006918598	0.001353346	0.00938372	0.026159286	5.00011E-06	21.5030117	1.96712E-05	0.000310644	0.000357996
2058 Sep	61.64553833	0.047355868	0.014011551	0.001003917	13.72960758	0.02458548	4.785600185	0.000999997	0.000999997	5.00002E-06	0.0069521	0.00134226	0.009503164	0.025742643	5.0001E-06	21.2395153	1.93396E-05	0.000305809	0.000347677
2058 Oct	61.29801178	0.049491104	0.013712753	0.001003757	13.7059324	0.025257848	4.797251225	0.000999997	0.000999997	5.00002E-06	0.007002526	0.001334646	0.00957374	0.025462165	5.0001E-06	21.06421471	1.91947E-05	0.000302327	0.000340525
2058 Nov	61.25759506	0.049739502	0.01367802	0.001003738	13.70291138	0.025336042	4.798606396	0.000999997	0.000999997	5.00002E-06	0.007008395	0.001333761	0.009581948	0.025429539	5.00009E-06	21.04382324	1.91779E-05	0.000301922	0.000339693
2058 Dec	61.25487518	0.049756218	0.013675683	0.001003737	13.70272446	0.025341302	4.798697948	0.000999997	0.000999997	5.00002E-06	0.00700879	0.001333701	0.009582501	0.025427343	5.00009E-06	21.04245186	1.91768E-05	0.000301895	0.000339637
2059 Jan	61.25847626	0.049766265	0.013676232	0.001003737	13.70391369	0.025342828	4.799150944	0.000999997	0.000999997	5.00002E-06	0.007008865	0.001333761	0.009582545	0.025429165	5.00009E-06	21.04397583	1.91764E-05	0.000301907	0.000339665
2059 Feb	61.26460648	0.049772169	0.013678052	0.001003736	13.70561123	0.025342472	4.799722672	0.000999997	0.000999997	5.00002E-06	0.007008784	0.001333869	0.009582349	0.025432643	5.00009E-06	21.04667091	1.91765E-05	0.000301937	0.000339728
2059 Mar	61.26795578	0.049775392	0.013679045	0.001003736	13.70653725	0.025342274	4.800034523	0.000999997	0.000999997	5.00002E-06	0.00700874	0.001333928	0.009582242	0.025434539	5.00009E-06	21.04813957	1.91765E-05	0.000301953	0.000339763
2059 Apr	61.26985931	0.049777228	0.013679611	0.001003736	13.70706367	0.025342165	4.800212383	0.000999997	0.000999997	5.00002E-06	0.007008716	0.001333962	0.009582181	0.025435621	5.00009E-06	21.04897881	1.91765E-05	0.000301962	0.000339783
2059 May	62.36693192	0.050559312	0.014020006	0.001003562	13.99604034	0.025152542	4.894791126	0.000999997	0.000999997	5.00002E-06	0.006996589	0.001353006	0.009540159	0.026061652	5.00009E-06	21.52946281	1.92512E-05	0.000307581	0.00035157
2059 Jun	65.63706207	0.052060504	0.01508189	0.001002735	14.81372929	0.024211038	5.153601646	0.000999998	0.000999998	5.00001E-06	0.006966706	0.00140877	0.009393359	0.027940435	5.00007E-06	22.9570961	1.96695E-05	0.000325441	0.000388035
2059 Jul	65.01625824	0.051185548	0.014908477	0.001002662	14.63568878	0.024189994	5.092531204	0.000999998	0.000999998	5.00001E-06	0.006967129	0.001398486	0.009396713	0.027607476	5.00007E-06	22.69059563	1.96662E-05	0.00032252	0.000382155
2059 Aug	64.77590179	0.050967637	0.014820382	0.00100263	14.58717632	0.024353776	5.077939034	0.000999998	0.000999998	5.00001E-06	0.006950786	0.001395598	0.009406525	0.027485443	5.00007E-06	22.59678459	1.95272E-05	0.000320907	0.00037953
2059 Sep	64.37044525	0.052122477	0.014565806	0.001002541	14.53415585	0.024902551	5.071672916	0.000999998	0.000999998	5.00001E-06	0.006970135	0.001387787	0.009479813	0.027198048	5.00006E-06	22.40906715	1.93254E-05	0.000317702	0.000372682
2059 Oct	63.17909622	0.057706326	0.013690532	0.001002255	14.40202618	0.026753025	5.080984116	0.000999998	0.000999998	5.00001E-06	0.007110044	0.001362798	0.009679014	0.026296072	5.00006E-06	21.82427216	1.89245E-05	0.000307019	0.000350671
2059 Nov	62.99098587	0.058583908	0.013552753	0.001002212	14.38103485	0.027044041	5.082378864	0.000999998	0.000999998	5.00001E-06	0.007132069	0.001358854	0.009710356	0.02615379	5.00006E-06	21.73196983	1.88616E-05	0.000305335	0.000347202

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Dec	62.98763275	0.05859952	0.0135503	0.001002211	14.38066006	0.027049219	5.082402706	0.000999998	0.000999998	5.00001E-06	0.007132461	0.001358784	0.009710914	0.026151257	5.00006E-06	21.73032188	1.88604E-05	0.000305305	0.00034714
2060 Jan	62.99116516	0.05860899	0.013550884	0.00100221	14.38181496	0.027050624	5.082840443	0.000999998	0.000999998	5.00001E-06	0.007132526	0.001358843	0.009710946	0.02615305	5.00006E-06	21.73181725	1.88601E-05	0.000305318	0.000347168
2060 Feb	62.99754333	0.058614705	0.013552819	0.00100221	14.38356781	0.027050143	5.083427906	0.000999998	0.000999998	5.00001E-06	0.007132434	0.001358956	0.009710732	0.026156683	5.00006E-06	21.73462486	1.88602E-05	0.000305348	0.000347235
2060 Mar	63.00099945	0.0586178	0.01355387	0.00100221	14.38451767	0.02704988	5.083746433	0.000999998	0.000999998	5.00001E-06	0.007132384	0.001359017	0.009710616	0.026158649	5.00006E-06	21.73614693	1.88602E-05	0.000305365	0.000347271
2060 Apr	63.00292206	0.058619522	0.013554453	0.00100221	14.38504601	0.027049735	5.08392334	0.000999998	0.000999998	5.00001E-06	0.007132357	0.001359051	0.009710551	0.026159745	5.00006E-06	21.73699188	1.88603E-05	0.000305375	0.000347291
2060 May	65.71060181	0.059899326	0.01445633	0.001001942	15.07889175	0.026405944	5.305679321	0.000999999	0.000999999	5.00001E-06	0.007090713	0.001406447	0.009590019	0.027727069	5.00005E-06	22.92853928	1.90854E-05	0.00031972	0.000377338
2060 Jun	69.09918976	0.059674416	0.015715517	0.001001379	15.86900997	0.024916232	5.540109158	0.000999999	0.000999999	5.00001E-06	0.007032334	0.001464978	0.009391967	0.029731305	5.00003E-06	24.42086792	1.96618E-05	0.000339646	0.000417758
2060 Jul	68.26654053	0.058420558	0.015493383	0.001001335	15.62755966	0.024863934	5.456447124	0.000999999	0.000999999	5.00001E-06	0.007031851	0.001451134	0.00939639	0.029285578	5.00003E-06	24.06341743	1.96645E-05	0.000335817	0.00040996
2060 Aug	67.24501801	0.057622977	0.015110213	0.001001268	15.4229393	0.02557894	5.390197277	0.000999999	0.000999999	5.00001E-06	0.006970004	0.001436395	0.009500375	0.028714333	5.00003E-06	23.64872932	1.90792E-05	0.000329559	0.00039772
2060 Sep	65.06074524	0.058398973	0.014114348	0.001001102	15.03499222	0.02757613	5.275517464	0.000999999	0.000999999	5.00001E-06	0.006913297	0.001398681	0.009858659	0.027328439	5.00003E-06	22.70612335	1.78572E-05	0.00031578	0.000366924
2060 Oct	64.42150116	0.060759038	0.013702754	0.001001042	14.94136143	0.028365966	5.26808691	0.000999999	0.000999999	5E-06	0.006980851	0.001385608	0.009942278	0.026868248	5.00003E-06	22.39692497	1.77115E-05	0.000310543	0.000356173
2060 Nov	64.19393921	0.061602898	0.013556059	0.001001021	14.90804863	0.028647367	5.265481949	0.000999999	0.000999999	5E-06	0.007005061	0.00138095	0.009971992	0.026704324	5.00003E-06	22.28678703	1.76601E-05	0.000308677	0.000352342
2060 Dec	64.18930817	0.061620094	0.013553075	0.001001021	14.90737057	0.028653095	5.26542902	0.000999999	0.000999999	5E-06	0.007005555	0.001380855	0.009972596	0.02670099	5.00003E-06	22.28454781	1.76591E-05	0.000308639	0.000352264
2061 Jan	64.1930542	0.061630219	0.013553723	0.001001021	14.90858173	0.028654462	5.265891075	0.000999999	0.000999999	5E-06	0.007005643	0.001380918	0.009972599	0.026702905	5.00003E-06	22.286129	1.76588E-05	0.000308653	0.000352294
2061 Feb	64.20019531	0.061636347	0.013555928	0.001001021	14.91052723	0.028653776	5.266541004	0.000999999	0.000999999	5E-06	0.007005544	0.001381044	0.009972337	0.026706982	5.00003E-06	22.28926849	1.7659E-05	0.000308687	0.00035237
2061 Mar	64.20406342	0.06163967	0.013557125	0.00100102	14.91158295	0.028653406	5.266893864	0.000999999	0.000999999	5E-06	0.00700549	0.001381113	0.009972194	0.026709195	5.00003E-06	22.29097366	1.76591E-05	0.000308706	0.00035241
2061 Apr	64.20628357	0.06164157	0.013557808	0.00100102	14.91218662	0.028653193	5.267095566	0.000999999	0.000999999	5E-06	0.00700546	0.001381152	0.009972112	0.026710458	5.00003E-06	22.29194641	1.76591E-05	0.000308717	0.000352434
2061 May	66.88722992	0.062529765	0.014501409	0.001000892	15.57511425	0.027805747	5.476294041	0.000999999	0.000999999	5E-06	0.006970787	0.001428086	0.009820964	0.028280636	5.00002E-06	23.47090721	1.80065E-05	0.000323308	0.000383143
2061 Jun	69.68538666	0.060791973	0.015704906	0.00100061	16.1393013	0.025806813	5.628624439	0.001	0.001	5E-06	0.006939424	0.001475951	0.009563543	0.029992893	5.00002E-06	24.69994354	1.89075E-05	0.000341454	0.000419846
2061 Jul	68.50225067	0.059000261	0.015389462	0.001000583	15.80465412	0.025800552	5.515141487	0.001	0.001	5E-06	0.006927867	0.001457689	0.009550971	0.029382182	5.00001E-06	24.20220375	1.88461E-05	0.000335589	0.000409017
2061 Aug	68.15692902	0.05857354	0.015279269	0.001000575	15.72637272	0.025961285	5.490940571	0.001	0.001	5E-06	0.006907659	0.001453618	0.009550492	0.029215038	5.00001E-06	24.06734848	1.86946E-05	0.00033337	0.000405618
2061 Sep	67.74692535	0.058970101	0.015082897	0.00100056	15.65222454	0.02632938	5.471466541	0.001	0.001	5E-06	0.006910756	0.001446236	0.009608891	0.028950036	5.00001E-06	23.8853035	1.85191E-05	0.000330673	0.000399749
2061 Oct	66.49142456	0.062854968	0.014333015	0.001000509	15.44867134	0.02770168	5.444141865	0.001	0.001	5E-06	0.007027086	0.001421053	0.009758797	0.028070675	5.00001E-06	23.28561592	1.82581E-05	0.00032092	0.000379643
2061 Nov	66.06016541	0.064195231	0.014075052	0.001000492	15.37889957	0.02817441	5.434849262	0.001	0.001	5E-06	0.007067179	0.001412397	0.00981044	0.02776839	5.00001E-06	23.0795536	1.81683E-05	0.000317566	0.000372728
2061 Dec	66.0550766	0.064211123	0.014072001	0.001000492	15.37807655	0.028180005	5.434740543	0.001	0.001	5E-06	0.007067654	0.001412295	0.009811051	0.027764818	5.00001E-06	23.07711983	1.81672E-05	0.000317526	0.000372646
2062 Jan	66.05847168	0.064220652	0.014072571	0.001000492	15.37918854	0.028181359	5.435166359	0.001	0.001	5E-06	0.007067738	0.001412351	0.009811067	0.027766543	5.00001E-06	23.07855225	1.8167E-05	0.000317538	0.000372673
2062 Feb	66.06533051	0.064226426	0.014074703	0.001000492	15.38105774	0.028180689	5.435790062	0.001	0.001	5E-06	0.007067638	0.001412473	0.009810814	0.027770465	5.00001E-06	23.08157349	1.81672E-05	0.000317571	0.000372745
2062 Mar	66.06907654	0.064229578	0.014075865	0.001000492	15.38207722	0.028180322	5.436130524	0.001	0.001	5E-06	0.007067584	0.001412539	0.009810676	0.027772605	5.00001E-06	23.08322144	1.81672E-05	0.000317589	0.000372785
2062 Apr	66.07121277	0.064231373	0.014076528	0.001000492	15.38265896	0.028180113	5.436324596	0.001	0.001	5E-06	0.007067553	0.001412577	0.009810598	0.027773827	5.00001E-06	23.08416176	1.81673E-05	0.0003176	0.000372807
2062 May	66.07209015	0.064232014	0.01407681	0.001000492	15.38289452	0.028179986	5.436401844	0.001	0.001	5E-06	0.00706754	0.001412593	0.009810561	0.027774332	5.00001E-06	23.08454895	1.81673E-05	0.000317604	0.000372817
2062 Jun	58.76203918	0.051541097	0.012341267	0.001000357	13.09832287	0.026322737	4.615867138	0.001	0.001	5E-06	0.00716475	0.001280583	0.009864182	0.023769649	5.00001E-06	19.86895943	1.91765E-05	0.000288925	0.000306532
2062 Jul	54.48781967	0.044093225	0.011306906	0.001000282	11.80239201	0.025563197	4.157542229	0.001	0.001	5E-06	0.007173291	0.001208336	0.009851582	0.02149961	5.00001E-06	18.02683449	1.94576E-05	0.000270622	0.000268264
2062 Aug	53.40494537	0.043060288	0.010893029	0.001000259	11.62263298	0.026622521	4.104961872	0.001	0.001	5E-06	0.007055142	0.001197189	0.009933218	0.020957723	5.00001E-06	17.62378311	1.85208E-05	0.000262725	0.000255702
2062 Sep	52.98809814	0.045745451	0.010511959	0.001000239	11.63087654	0.027739249	4.130526543	0.001	0.001	5E-06	0.007083053	0.001188605	0.010076632	0.020603437	5.00001E-06	17.42271233	1.80793E-05	0.00025816	0.000245911
2062 Oct	52.4095726	0.055883206	0.009563548	0.001000194	11.77156925	0.030488681	4.263738155	0.001	0.001	5E-06	0.007302123	0.001171718	0.010332842	0.019916512	5E-06	17.06487083	1.75581E-05	0.000247634	0.000224875
2062 Nov	52.36838531	0.056719273	0.009487847	0.001000191	11.78469086	0.030712537	4.275177956	0.001	0.001	5E-06	0.007320103	0.001170437	0.010353581	0.0198637	5E-06	17.03821945	1.75163E-05	0.000246804	0.000223218
2062 Dec	52.36762238	0.056735419	0.009486398	0.001000191	11.78495216	0.030716844	4.275401115	0.001	0.001	5E-06	0.007320449	0.001170413	0.01035398	0.019862702	5E-06	17.03771973	1.75155E-05	0.000246788	0.000223186
2063 Jan	52.37260818	0.056745168	0.009487547	0.001000191	11.78646374	0.030717755	4.275950432	0.001	0.001	5E-06	0.007320489	0.001170497	0.010353923	0.01986536	5E-06	17.03985977	1.75153E-05	0.000246808	0.000223231
2063 Feb	52.37970352	0.056750972	0.009489767	0.001000191	11.78839207	0.030717015	4.276592255	0.001	0.001	5E-06	0.007320383	0.001170623	0.010353663	0.019869419	5E-06	17.04298592	1.75155E-05	0.000246843	0.000223306
2063 Mar	52.38357544	0.056754131	0.009490977	0.001000191	11.78944302	0.030716611	4.276941776	0.001	0.001	5E-06	0.007320325	0.001170692	0.010353521	0.019871633	5E-06	17.04468918	1.75156E-05	0.000246862	0.000223347
2063 Apr	52.38577652	0.056755938	0.009491666	0.001000191	11.79004192	0.030716382	4.277140617	0.001	0.001	5E-06	0.007320292	0.001170731	0.01035344	0.019872895	5E-06	17.04566002	1.75156E-05	0.000246873	0.00022337
2063 May	54.33920288	0.0575119	0.010171669	0.001000179	12.28419971	0.030193271	4.433924198	0.001	0.001	5E-06	0.007288648	0.001205083	0.010257242	0.021011453	5E-06	17.90647697	1.77007E-05	0.000257333	0.000245372
2063 Jun	60.5461998	0.053748108	0.01283729	0.001000096	13.59048939	0.026214737	4.788377285	0.001	0.001	5E-06	0.007166096	0.001312282	0.009772433	0.024786947	5E-06	20.64815331	1.9288E-05	0.000297023	0.000325084
2063 Jul	58.54355621	0.050103005	0.012364587	0.001000087	12.98074627	0.025834383	4.57153368	0.001	0.001	5E-06	0.007165061	0.001278606	0.009764953	0.023728682	5E-06	19.78733826	1.94131E-05	0.000288531	0.000307334
2063 Aug	58.22198105	0.049704105	0.012254082	0.001000085	12.91879845	0.026075291	4.55280304	0.001	0.001	5E-06	0.007134328	0.001275313	0.009775143	0.023574751	5E-06	19.66703224	1.91865E-05	0.000286285	0.000303948
2063 Sep	57.75094223	0.050137009	0.012005465	0.001000081	12.86318016	0.026745547	4.538618565	0.001	0.001	5E-06	0.007105739	0.001267439	0.009891829	0.023259491	5E-06	19.46798134	1.87488E-05	0.000282927	0.000296311
2063 Oct	57.47577667	0.052345753	0.011742485	0.001000077	12.85875988	0.027407629	4.557096481	0.001	0.001	5E-06	0.007155889	0.00126117	0.009956669	0.023021584	5E-06	19.32435608	1.86104E-05	0.00027977	0.000289956
2063 Nov	57.42852402	0.052727684	0.011697137	0.001000076	12.85807419	0.027521985	4.560315609	0.001	0.001	5E-06	0.007164555	0.001260092	0.009967859	0.022980645	5E-06	19.29966736	1.85865E-05	0.000279226	0.000288861
2063 Dec	57.42650986	0.052744057	0.011695198	0.001000076	12.85804749	0.027526882	4.560454369	0.001	0.001	5E-06	0.007164926	0.001260046	0.009968339	0.022978896	5E-06	19.29861259	1.85855E-05	0.000279203	0.000288814
2064 Jan	57.43084717	0.052754007	0.011696087	0.001000076	12.85941315	0.027528124	4.560961723	0.001	0.001	5E-06	0.007164978	0.001260119	0.009968325	0.022981167	5E-06	19.30046654	1.85852E-05	0.000279219	0.000288851
2064 Feb	57.43772125	0.052759968	0.011698209	0.001000076	12.86129475	0.027527533	4.561591148	0.001	0.001	5E-06	0.007164877	0.001260241	0.009968082	0.02298509	5E-06	19.3034935	1.85853E-05	0.000279252	0.000288923
2064 Mar	57.44144821	0.052763209	0.011699361	0.001000076	12.86231518	0.027527217	4.561932087	0.001	0.001	5E-06	0.007164823	0.001260308	0.009967951	0.022987217	5E-06	19.30513382	1.85854E-05	0.00027927	0.000288962
2064 Apr	57.44351959	0.052765004	0.0117	0.001000076	12.86288261	0.02752704	4.562121868	0.001	0.001	5E-06	0.007164792	0.001260344	0.009967878	0.022988399	5E-06	19.30604744	1.85854E-05	0.000279281	0.000288984
2064 May	60.03013992	0.054041635	0.012579442	0.001000069	13.52771664	0.026927	4.775690556	0.001	0.001	5E-06	0.007125285	0.001305858	0.009847294	0.024488706	5E-06	20.44495583	1.8796E-05	0.000292865	0.000317705
2064 Jun	66.18536377	0.055176694	0.014831369	0.001000044	15.02452755	0.02475247	5.238154888	0.001	0.001	5E-06	0.007028636	0.00141336	0.009502066	0.028106429	5E-06	23.15513611	1.96351E-05	0.000327252	0.000389141
2064 Jul	64.7332077	0.052968025	0.014435753	0.001000041	14.63396549	0.024910195	5.109177589	0.001	0.001	5E-06	0.006990514	0.001393208	0.009470462	0.027388064	5E-06	22.5619545	1.94038E-05	0.000319341	0.000376
2064 Aug	63.53115845	0.051513281	0.014043301	0.001000039	14.37597752	0.025590057	5.031573772	0.001	0.001	5E-06	0.006905366	0.001380172	0.009468308	0.026818438	5E-06	22.10189629	1.877E-05	0.000311218	0.000364067
2064 Sep	62.30291748	0.053247292	0.013397955	0.001000035	14.19293404	0.027030449	4.988732338	0.001	0.001	5E-06	0.006900943	0.001357865	0.009703216	0.025990458	5E-06	21.55705261	1.80311E-05	0.000302616	0.000344859
2064 Oct	62.03017044	0.054607194	0.013198731	0.001000034	14.16295815	0.027457362	4.991532326	0.001	0.001	5E-06	0.006936807	0.001351982	0.009749092	0.025780395	5E-06	21.4211483	1.79515E-05	0.00030015	0.000339738
2064 Nov	62.02624512	0.054626837	0.013195858	0.001000034	14.16252613	0.027463514	4.991573334	0.001	0.001	5E-06	0.006937326	0.001351897	0.009749754	0.025777368	5E-06	21.41918945	1.79504E-05	0.000300114	0.000339664
2064 Dec	62.02416992	0.054637216	0.01319434	0.001000034	14.16229916	0.027466767	4.991595268	0.001	0.001	5E-06	0.0069376	0.001351852	0.009750104	0.025777577	5E-06	21.41815567	1.79498E-05	0.000300096	0.000339625
2065 Jan	62.02651978	0.054643493	0.013194764	0.001000034	14.16305828	0.027467614	4.991882324	0.001	0.001	5E-06	0.006937653	0.001351891	0.009750117	0.025776962	5E-06	21.41914749	1.79496E-05	0.000300104	0.000339644
2065 Feb	62.03066635	0.054647233	0.013196036	0.001000034	14.16419315	0.027467268	4.992263317	0.001	0.001	5E-06	0.006937599	0.001351964	0.009749975	0.025779322	5E-06	21.42096901	1.79497E-05	0.000300124	0.000339687
2065 Mar	62.03292465	0.054649271	0.013196728	0.001000034	14.16481209	0.027467078	4.992470264	0.001	0.001	5E-06	0.006937569	0.001352004	0.009749898	0.025780603	5E-06	21.42195892	1.79497E-05	0.000300135	0.000339711
2065 Apr	62.03421021	0.05465043	0.013197123	0.001000034	14.16516399	0.027466971	4.99258852	0.001	0.001	5E-06	0.006937552	0.001352026	0.009749854	0.025781335	5E-06	21.4225235	1.79498E-05	0.000300141	0.000339725
2065 May	63.92641449	0.05565213	0.013840361	0.001000031	14.64650917	0.026988022	5.146964073	0.001	0.001	5E-06	0.006917777	0.001384714	0.009663197	0.026870266	5E-06	22.25020409	1.81539E-05	0.000310216	0.000360675
2065 Jun	66.14886475	0.054242715	0.014826721	0.001000022	15.07481384	0.025235353	5.256896496	0.001	0.001	5E-06	0.006914777	0.001420333	0.009481072	0.028195471	5E-06	23.20784187	1.90168E-05	0.000325407	0.000389611
2065 Jul	64.95332336	0.052472349	0.01451386	0.001000021	14.72514534	0.025135398	5.135890007	0.001	0.001	5E-06	0.006918859	0.001400238	0.009484973	0.027553234	5E-06	22.69217682	1.90494E-05	0.000319958	0.000378438
2065 Aug	64.45014954	0.052086834	0.014327615	0.00100002	14.62547016	0.025496166	5.104477882	0.001	0.001	5E-06	0.006887181	0.001393323	0.009528886	0.027278148	5E-06	22.49004173	1.87545E-05	0.000316766	0.000372508
2065 Sep	63.2424736	0.05533376	0.013614406	0.001000018	14.45136738	0.026989378	5.078891277	0.001	0.001	5E-06	0.006952567	0.001369778	0.009729645	0.026428357	5E-06	21.92756271	1.82481E-05	0.000307508	0.000352636
2065 Oct	61.51625824	0.063041791	0.012419391	0.001000015	14.23583412	0.029458426	5.081069946	0.001	0.001	5E-06	0.007162164	0.001333225	0.00999554	0.025132038	5E-06	21.07676697	1.77919E-05	0.000292518	0.000321562
2065 Nov	61.21229172	0.064416692	0.012207761	0.001000015	14.19829464	0.029896984	5.081735611	0.001	0.001	5E-06	0.007199507	0.001326775	0.01004265	0.024903186	5E-06	20.92674637	1.77114E-05	0.000289866	0.000316067
2065 Dec	61.20882797	0.064432427	0.012205347	0.001000015	14.1978693	0.029901994	5.081743717	0.001	0.001	5E-06	0.007199934	0.001326701	0.010043188	0.024900576	5E-06	20.92503548	1.77105E-05	0.000289836	0.000316004
2066 Jan	61.21294785	0.064442061	0.012206187	0.001000015	14.19916153	0.029903127	5.082224846	0.001	0.001	5E-06	0.007200001	0.00132677	0.010043176	0.02490272	5E-06	20.92678833	1.77103E-05	0.000289852	0.000316039
2066 Feb	61.22010422	0.064447902	0.012208428	0.001000015	14.20110416	0.029902371	5.08287096	0.001	0.001	5E-06	0.007199895	0.001326897	0.010042913	0.02490681	5E-06	20.92993736	1.77105E-05	0.000289887	0.000316115
2066 Mar	61.22401428	0.064451091	0.012209653	0.001000015	14.20216465	0.029901955	5.08322382	0.001	0.001	5E-06	0.007199837	0.001326966	0.010042771	0.024909046	5E-06	20.9316597	1.77106E-05	0.000289906	0.000316156
2066 Apr	61.22624207	0.064452909	0.01221035	0.001000015	14.20276928	0.029901721	5.083425045	0.001	0.001	5E-06	0.007199805	0.001327006	0.010042689	0.02491032	5E-06	20.93263817	1.77106E-05	0.000289917	0.00031618
2066 May	61.45425034	0.064513944	0.012292159	0.001000015	14.25915909	0.029829387	5.101036072	0.001	0.001	5E-06	0.007196155	0.001330997	0.010030661	0.0250438	5E-06	21.03305626	1.77376E-05	0.00029117	0.000318792
2066 Jun	59.17812347	0.054694828	0.012239309	0.001000009	13.29546833	0.027036287	4.707828045	0.001	0.001	5E-06	0.007207069	0.001287772	0.009881103	0.023942342	5E-06	20.03595352	1.90123E-05	0.000288459	0.000307419
2066 Jul	57.19700241	0.05100777	0.011772208	0.001000009	12.7016964	0.026735185	4.498411655	0.001	0.001	5E-06	0.007190594	0.001256006	0.009857231	0.022920184	5E-06	19.19651985	1.90508E-05	0.000279647	0.000290137
2066 Aug	56.76641083	0.050412878	0.011630263	0.001000008	12.61583328	0.02703196	4.472286224	0.001	0.001	5E-06	0.007149327	0.001251755	0.009863663	0.022719566	5E-06	19.03647041	1.876E-05	0.000276654	0.000285785
2066 Sep	56.44496918	0.051838189	0.011393081	0.001000008	12.59357834	0.027641403	4.47774601	0.001	0.001	5E-06	0.007169066	0.001245337	0.009942381	0.022472119	5E-06	18.88424873	1.85331E-05	0.000273696	0.000279466
2066 Oct	56.06911087	0.054927137	0.011029265	0.001000007	12.58896542	0.028559159	4.503811359	0.001	0.001	5E-06	0.007239747	0.001236613	0.010034359	0.022142775	5E-06	18.68654251	1.8345E-05	0.000269367	0.000270659

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Nov	55.96805954	0.055782419	0.010929656	0.001000007	12.58843422	0.028812276	4.511253357	0.001	0.001	5E-06	0.007259233	0.001234251	0.010059678	0.022053378	5E-06	18.63314629	1.82932E-05	0.000268185	0.000268256
2066 Dec	55.96613312	0.055799004	0.010927735	0.001000007	12.5884304	0.028817175	4.511399746	0.001	0.001	5E-06	0.00725961	0.001234206	0.010060167	0.022051662	5E-06	18.63212395	1.82922E-05	0.000268163	0.000268209
2067 Jan	55.97082901	0.055809118	0.010928749	0.001000007	12.58988953	0.028818332	4.511936188	0.001	0.001	5E-06	0.007259657	0.001234286	0.010060144	0.022054138	5E-06	18.63413239	1.82919E-05	0.000268181	0.00026825
2067 Feb	55.97807693	0.055815153	0.010931007	0.001000007	12.59186459	0.028817637	4.5125947	0.001	0.001	5E-06	0.007259547	0.001234414	0.010059886	0.022058278	5E-06	18.63732529	1.82921E-05	0.000268216	0.000268326
2067 Mar	55.98203278	0.055818439	0.010932238	0.001000007	12.59294224	0.028817255	4.512953758	0.001	0.001	5E-06	0.007259487	0.001234484	0.010059745	0.022060538	5E-06	18.6390667	1.82921E-05	0.000268236	0.000268368
2067 Apr	55.98428345	0.055820312	0.010932939	0.001000007	12.59355736	0.028817039	4.513157845	0.001	0.001	5E-06	0.007259453	0.001234524	0.010059665	0.022061827	5E-06	18.64006042	1.82922E-05	0.000268247	0.000268392
2067 May	57.95490646	0.056608427	0.011616655	0.001000007	13.09443188	0.028309528	4.672201633	0.001	0.001	5E-06	0.007226322	0.001269182	0.00996626	0.023208624	5E-06	19.5086441	1.84647E-05	0.000278769	0.000290496
2067 Jun	62.03034973	0.056192823	0.01319817	0.001000005	14.0437603	0.026500072	4.953482628	0.001	0.001	5E-06	0.007149562	0.001340131	0.009717953	0.025630187	5E-06	21.30681992	1.9145E-05	0.00030269	0.000339389
2067 Jul	61.18576813	0.054686204	0.01298756	0.001000005	13.80452156	0.026487367	4.871615887	0.001	0.001	5E-06	0.007129773	0.001327914	0.009698902	0.025211217	5E-06	20.95897865	1.9066E-05	0.000298452	0.000332024
2067 Aug	60.08164978	0.052930329	0.012658396	0.001000005	13.56106949	0.027046748	4.798979759	0.001	0.001	5E-06	0.007035476	0.001318086	0.009648613	0.024737222	5E-06	20.55277061	1.84661E-05	0.000290736	0.000322223
2067 Sep	59.67512894	0.053852547	0.012417584	0.001000004	13.51261234	0.027631585	4.791361809	0.001	0.001	5E-06	0.00703855	0.001310453	0.009740068	0.024448963	5E-06	20.36935806	1.81862E-05	0.000287638	0.000315271
2067 Oct	59.00341415	0.058194902	0.011853947	0.001000004	13.46802902	0.028946387	4.815564156	0.001	0.001	5E-06	0.00714536	0.001295193	0.009882049	0.023894073	5E-06	20.02439308	1.79315E-05	0.000280882	0.000301149
2067 Nov	58.84801865	0.059206311	0.011723099	0.001000004	13.45784283	0.029251762	4.821249962	0.001	0.001	5E-06	0.00717028	0.001291652	0.009915101	0.023765376	5E-06	19.94446754	1.78727E-05	0.000279316	0.000297871
2067 Dec	58.84514618	0.059225064	0.011720677	0.001000004	13.45765686	0.029257415	4.821355343	0.001	0.001	5E-06	0.007170742	0.001291586	0.009915714	0.023762995	5E-06	19.94298935	1.78717E-05	0.000279288	0.000297811
2068 Jan	58.85019302	0.059236266	0.011721743	0.001000004	13.45922565	0.029258693	4.82193327	0.001	0.001	5E-06	0.007170807	0.00129167	0.009915708	0.023765625	5E-06	19.94513702	1.78714E-05	0.000279307	0.000297854
2068 Feb	58.85839462	0.059243053	0.011724303	0.001000004	13.46145725	0.029257866	4.822675705	0.001	0.001	5E-06	0.007170686	0.001291816	0.009915422	0.023770306	5E-06	19.94874763	1.78716E-05	0.000279348	0.00029794
2068 Mar	58.86284256	0.05924673	0.01172569	0.001000004	13.46266747	0.029257419	4.823078156	0.001	0.001	5E-06	0.00717062	0.001291894	0.009915265	0.023772843	5E-06	19.95070267	1.78717E-05	0.000279369	0.000297987
2068 Apr	58.86531067	0.059248775	0.011726461	0.001000004	13.46333981	0.029257169	4.823301792	0.001	0.001	5E-06	0.007170584	0.001291938	0.009915179	0.023774255	5E-06	19.95178986	1.78718E-05	0.000279381	0.000298013
2068 May	60.79067612	0.05991872	0.012403529	0.001000004	13.94648457	0.028707927	4.975090981	0.001	0.001	5E-06	0.007140249	0.001325445	0.00982544	0.024892064	5E-06	20.79820251	1.80712E-05	0.000289866	0.000319711
2068 Jun	65.06013489	0.056935079	0.014274343	0.001000002	14.82151985	0.025770422	5.203199863	0.001	0.001	5E-06	0.007063751	0.001397089	0.009518793	0.027463179	5E-06	22.67127419	1.92753E-05	0.000318166	0.000374615
2068 Jul	62.89023209	0.053393189	0.013711298	0.001000002	14.2111578	0.025781158	4.995160103	0.001	0.001	5E-06	0.007025628	0.001364583	0.009490844	0.026360558	5E-06	21.76793671	1.90936E-05	0.000307319	0.000355046
2068 Aug	62.43860626	0.052869085	0.013558973	0.001000002	14.11713123	0.026062137	4.965905666	0.001	0.001	5E-06	0.006992257	0.001359264	0.009506437	0.02613548	5E-06	21.59292984	1.88356E-05	0.00030436	0.000350276
2068 Sep	61.83049393	0.054547809	0.013192018	0.001000002	14.03583908	0.026868464	4.954949379	0.001	0.001	5E-06	0.007020797	0.001347362	0.009620242	0.025701646	5E-06	21.31025124	1.85378E-05	0.000299653	0.000340001
2068 Oct	61.55183411	0.055901043	0.012990203	0.001000002	14.00517368	0.027303722	4.957351685	0.001	0.001	5E-06	0.007055747	0.001341352	0.009669038	0.025487006	5E-06	21.17182732	1.84505E-05	0.000297163	0.000334773
2068 Nov	61.52974701	0.056008957	0.012974159	0.001000002	14.00275993	0.027338376	4.95755291	0.001	0.001	5E-06	0.007058532	0.001340875	0.009672923	0.025469968	5E-06	21.16084671	1.84435E-05	0.000296965	0.000334358
2068 Dec	61.52719116	0.056021456	0.012972304	0.001000002	14.00248051	0.027342387	4.957576275	0.001	0.001	5E-06	0.007058855	0.00134082	0.009673372	0.025467997	5E-06	21.15957642	1.84427E-05	0.000296942	0.00033431
2069 Jan	61.53019333	0.056028966	0.012972874	0.001000002	14.00344086	0.027343387	4.95793581	0.001	0.001	5E-06	0.007058907	0.001340869	0.009673393	0.025469532	5E-06	21.16084671	1.84425E-05	0.000296953	0.000334334
2069 Feb	61.53540421	0.056033518	0.01297448	0.001000002	14.0048666	0.027342936	4.958411694	0.001	0.001	5E-06	0.007058833	0.001340961	0.009673218	0.025472496	5E-06	21.16313744	1.84426E-05	0.000296978	0.000334388
2069 Mar	61.53824234	0.056035999	0.012975357	0.001000002	14.00564289	0.02734269	4.95867157	0.001	0.001	5E-06	0.007058793	0.001341011	0.009673123	0.025474114	5E-06	21.16438484	1.84427E-05	0.000296992	0.000334418
2069 Apr	61.53986359	0.056037415	0.012975857	0.001000002	14.00608635	0.02734255	4.958818913	0.001	0.001	5E-06	0.00705877	0.00134104	0.009673068	0.025475034	5E-06	21.16509819	1.84427E-05	0.000297	0.000334435
2069 May	61.69615555	0.056107916	0.013029614	0.001000002	14.0457983	0.027302381	4.97142458	0.001	0.001	5E-06	0.007056591	0.001343747	0.009666303	0.025565142	5E-06	21.23364067	1.84578E-05	0.00029784	0.000336171
2069 Jun	58.26997375	0.047673192	0.012430894	0.001000001	12.85589981	0.025394276	4.519833565	0.001	0.001	5E-06	0.007109305	0.001278677	0.009655967	0.023711398	5E-06	19.71194458	1.94295E-05	0.000287735	0.000308558
2069 Jul	56.46997452	0.044668898	0.011984858	0.001000001	12.31816959	0.025143744	4.330404758	0.001	0.001	5E-06	0.007110979	0.001248273	0.009660169	0.022749687	5E-06	18.93634796	1.95078E-05	0.000279886	0.000292132
2069 Aug	55.85332108	0.044106208	0.01175257	0.001000001	12.21053123	0.025703672	4.298397541	0.001	0.001	5E-06	0.007050891	0.00124147	0.009705884	0.022435812	5E-06	18.7026844	1.90196E-05	0.000275517	0.000284995
2069 Sep	55.27893448	0.047877263	0.011240713	0.001000001	12.20442486	0.027097357	4.328870773	0.001	0.001	5E-06	0.007111415	0.001229032	0.009877661	0.021948809	5E-06	18.41739845	1.85605E-05	0.000269406	0.000271925
2069 Oct	54.58020401	0.055644281	0.010417027	0.001000001	12.25359344	0.029324731	4.412198544	0.001	0.001	5E-06	0.007282395	0.001211256	0.010103351	0.021261757	5E-06	18.02862167	1.81062E-05	0.000259971	0.00025255
2069 Nov	54.42995071	0.057445873	0.010230453	0.001000001	12.26782703	0.029836772	4.432389259	0.001	0.001	5E-06	0.007321806	0.001207344	0.010154928	0.021109473	5E-06	17.94369125	1.80024E-05	0.000257849	0.000248197
2069 Dec	54.42835617	0.057465475	0.010228438	0.001000001	12.26799202	0.029842328	4.432611465	0.001	0.001	5E-06	0.007322234	0.001207302	0.010155487	0.021107843	5E-06	17.94278717	1.80013E-05	0.000257827	0.00024815
2070 Jan	54.4341507	0.0574774	0.010229727	0.001000001	12.26977348	0.0298436	4.433261871	0.001	0.001	5E-06	0.007322283	0.0012074	0.010155455	0.021110903	5E-06	17.94526672	1.80011E-05	0.00025785	0.000248201
2070 Feb	54.44274139	0.057484511	0.010232406	0.001000001	12.27211285	0.02984276	4.434040546	0.001	0.001	5E-06	0.007322153	0.001207552	0.010155153	0.02111581	5E-06	17.9490509	1.80012E-05	0.000257892	0.000248291
2070 Mar	54.44740677	0.057488371	0.01023386	0.001000001	12.27338314	0.029842304	4.434463501	0.001	0.001	5E-06	0.007322083	0.001207635	0.01015499	0.021118473	5E-06	17.95110321	1.80013E-05	0.000257915	0.00024834
2070 Apr	54.45563889	0.057495188	0.010236427	0.001000001	12.27562618	0.029841499	4.435210228	0.001	0.001	5E-06	0.007321957	0.001207781	0.0101547	0.021123175	5E-06	17.95472908	1.80015E-05	0.000257955	0.000248427
2070 May	56.33996582	0.058239795	0.010890441	0.001000001	12.75451565	0.029355781	4.586964607	0.001	0.001	5E-06	0.007289998	0.001240841	0.010067912	0.022218117	5E-06	18.78490067	1.81651E-05	0.000268047	0.000269533
2070 Jun	61.35699463	0.058278155	0.012789877	0.001000001	13.9485321	0.027350534	4.94597578	0.001	0.001	5E-06	0.007195854	0.001328156	0.00978756	0.025179476	5E-06	20.99715614	1.88986E-05	0.000296969	0.000328695
2070 Jul	60.38002777	0.056418717	0.012558252	0.001	13.66193104	0.027252229	4.845710754	0.001	0.001	5E-06	0.007178375	0.001313311	0.009769666	0.024687532	5E-06	20.58986282	1.88631E-05	0.0002924	0.000320272
2070 Aug	59.71015167	0.055358928	0.012353155	0.001	13.51897907	0.027632171	4.802154541	0.001	0.001	5E-06	0.007116887	0.00130708	0.009756425	0.024390612	5E-06	20.34276581	1.84621E-05	0.000287775	0.000314031
2070 Sep	58.97551346	0.059149135	0.0117893	0.001	13.46284962	0.028990911	4.817583561	0.001	0.001	5E-06	0.007194089	0.00129144	0.009921126	0.023809843	5E-06	19.98161316	1.8076E-05	0.000280884	0.00029936
2070 Oct	58.35354996	0.063363224	0.011252839	0.001	13.42794323	0.030265201	4.843741417	0.001	0.001	5E-06	0.007295779	0.001277247	0.010057393	0.023290018	5E-06	19.66086197	1.78236E-05	0.000274469	0.000285999
2070 Nov	58.28413391	0.063833378	0.01119299	0.001	13.42402363	0.030407224	4.846649647	0.001	0.001	5E-06	0.007307147	0.001275661	0.0100726	0.023231989	5E-06	19.6250515	1.77956E-05	0.000273753	0.000284508
2070 Dec	58.28219986	0.063846484	0.011191321	0.001	13.42391491	0.030411182	4.846730709	0.001	0.001	5E-06	0.007307464	0.001275617	0.010073024	0.02323037	5E-06	19.62405205	1.77948E-05	0.000273733	0.000284466
2071 Jan	58.286129	0.063854508	0.011192201	0.001	13.42512035	0.030412015	4.847169876	0.001	0.001	5E-06	0.007307499	0.001275683	0.010073002	0.023232447	5E-06	19.62573433	1.77946E-05	0.000273749	0.000284501
2071 Feb	58.29232407	0.063859351	0.011194155	0.001	13.42679787	0.030411325	4.847725868	0.001	0.001	5E-06	0.0073074	0.001275793	0.010072778	0.023235993	5E-06	19.62846565	1.77948E-05	0.00027378	0.000284567
2071 Mar	58.2957077	0.063861988	0.011195221	0.001	13.42771435	0.030410949	4.848029613	0.001	0.001	5E-06	0.007307346	0.001275853	0.010072656	0.023237932	5E-06	19.62995529	1.77948E-05	0.000273796	0.000284603
2071 Apr	58.29763794	0.063863494	0.01119583	0.001	13.42823696	0.030410735	4.848202705	0.001	0.001	5E-06	0.007307316	0.001275887	0.010072585	0.023239033	5E-06	19.63080406	1.77949E-05	0.000273806	0.000284623
2071 May	60.46729279	0.064359084	0.011976556	0.001	13.96697617	0.029739022	5.01549387	0.001	0.001	5E-06	0.007266177	0.00131397	0.0099648	0.024509517	5E-06	20.58842659	1.802E-05	0.000285757	0.000309444
2071 Jun	64.23030853	0.061028987	0.013667805	0.001	14.73150539	0.027079377	5.210346699	0.001	0.001	5E-06	0.007170108	0.001378748	0.009675249	0.02681384	5E-06	22.25594521	1.9015E-05	0.00031082	0.00035881
2071 Jul	62.72166061	0.058241013	0.013314284	0.001	14.27152443	0.026786963	5.045905113	0.001	0.001	5E-06	0.007168184	0.001353214	0.009674937	0.026013633	5E-06	21.60685158	1.91067E-05	0.000304506	0.000345398
2071 Aug	62.31494904	0.057772238	0.013171942	0.001	14.19085217	0.027074544	5.019417286	0.001	0.001	5E-06	0.007134733	0.001347977	0.009709548	0.025798446	5E-06	21.44740677	1.88424E-05	0.000301952	0.000340763
2071 Sep	61.38607025	0.059251375	0.012674267	0.001	14.0548811	0.02818731	4.989549637	0.001	0.001	5E-06	0.007136961	0.001331054	0.009884626	0.025169482	5E-06	21.03354836	1.82934E-05	0.000295319	0.000326109
2071 Oct	60.91805649	0.06152181	0.012335801	0.001	14.00347424	0.02891884	4.99395895	0.001	0.001	5E-06	0.007195262	0.00132111	0.009962856	0.024812071	5E-06	20.80200577	1.81458E-05	0.000291094	0.000317387
2071 Nov	60.55972672	0.063273877	0.012075726	0.001	13.9644413	0.029481899	4.997560024	0.001	0.001	5E-06	0.007240234	0.001313488	0.010022933	0.024538005	5E-06	20.6245842	1.80326E-05	0.00028785	0.000310692
2071 Dec	60.53503036	0.063394934	0.012057779	0.001	13.96175766	0.029520772	4.997812748	0.001	0.001	5E-06	0.007243341	0.001312963	0.010027077	0.024519105	5E-06	20.61235046	1.80248E-05	0.000287626	0.00031023
2072 Jan	60.54075241	0.063407458	0.012059	0.001	13.96353817	0.029522218	4.998469353	0.001	0.001	5E-06	0.007243405	0.00131306	0.010027052	0.024522111	5E-06	20.61479568	1.80245E-05	0.000287648	0.000310279
2072 Feb	60.55047607	0.063415155	0.01206206	0.001	13.96617794	0.029521173	4.999345303	0.001	0.001	5E-06	0.007243251	0.001313232	0.010026695	0.024527682	5E-06	20.6190834	1.80248E-05	0.000287696	0.000310382
2072 Mar	60.55575562	0.063419335	0.01206372	0.001	13.96761036	0.029520605	4.999820709	0.001	0.001	5E-06	0.007243167	0.001313326	0.010026502	0.024530705	5E-06	20.62141037	1.80249E-05	0.000287722	0.000310438
2072 Apr	60.55868912	0.063421659	0.012064643	0.001	13.96840572	0.029520288	5.0000844	0.001	0.001	5E-06	0.007243121	0.001313378	0.010026395	0.024532387	5E-06	20.62270164	1.80249E-05	0.000287736	0.000310469
2072 May	60.56297302	0.063423179	0.012066142	0.001	13.96949005	0.029519152	5.000427246	0.001	0.001	5E-06	0.007243043	0.001313454	0.010026188	0.024534887	5E-06	20.62459373	1.80253E-05	0.000287759	0.000310518
2072 Jun	55.98593903	0.053568311	0.011132714	0.001	12.47132969	0.027755141	4.446474552	0.001	0.001	5E-06	0.007282292	0.0012306	0.01002374	0.022073546	5E-06	18.61835861	1.88577E-05	0.000271633	0.000271676
2072 Jul	54.06525421	0.04964127	0.010687412	0.001	11.91955376	0.027650794	4.255785465	0.001	0.001	5E-06	0.007219502	0.001204226	0.009953794	0.021155391	5E-06	17.84002495	1.86542E-05	0.000262023	0.000255835
2072 Aug	52.88958359	0.048674133	0.010187699	0.001	11.76369858	0.029139696	4.201859474	0.001	0.001	5E-06	0.007062253	0.001188944	0.010205054	0.020469768	5E-06	17.38998795	1.73473E-05	0.000254098	0.000239357
2072 Sep	52.25363922	0.050042596	0.009777242	0.001	11.73139286	0.030418085	4.201382637	0.001	0.001	5E-06	0.007017863	0.001177859	0.010424448	0.020002073	5E-06	17.11821175	1.6555E-05	0.000248912	0.000227152
2072 Oct	52.02709579	0.055224542	0.009328366	0.001	11.81006908	0.031714559	4.271207809	0.001	0.001	5E-06	0.007138927	0.001170061	0.010540241	0.019691713	5E-06	16.96151733	1.63745E-05	0.000244071	0.00021744
2072 Nov	51.98928833	0.056171451	0.009247798	0.001	11.82518387	0.031949062	4.284190655	0.001	0.001	5E-06	0.007161101	0.001168696	0.01056101	0.019637162	5E-06	16.93442726	1.6343E-05	0.000243208	0.000215711
2072 Dec	51.98866272	0.056187667	0.009246429	0.001	11.82544708	0.031953059	4.284414291	0.001	0.001	5E-06	0.007161481	0.001168673	0.010561363	0.019636242	5E-06	16.93397331	1.63424E-05	0.000243193	0.000215681
2073 Jan	51.99382782	0.056197468	0.00924766	0.001	11.82698631	0.031953771	4.284972191	0.001	0.001	5E-06	0.007161536	0.001168761	0.010561275	0.019639008	5E-06	16.93618393	1.63424E-05	0.000243215	0.000215729
2073 Feb	52.00111008	0.056203321	0.009249954	0.001	11.82895279	0.031952906	4.285625458	0.001	0.001	5E-06	0.007161435	0.001168889	0.010560995	0.019643178	5E-06	16.93938828	1.63427E-05	0.00024325	0.000215806
2073 Mar	52.00507736	0.056206506	0.009251204	0.001	11.83002377	0.031952437	4.285981178	0.001	0.001	5E-06	0.007161381	0.00116896	0.010560842	0.019645449	5E-06	16.9411335	1.63428E-05	0.00024327	0.000215848
2073 Apr	52.00733948	0.056208327	0.009251917	0.001	11.83063412	0.031952169	4.286184311	0.001	0.001	5E-06	0.00716135	0.001169	0.010560755	0.019646745	5E-06	16.94212914	1.63429E-05	0.00024328	0.000215872
2073 May	55.39441299	0.05745586	0.010446602	0.001	12.67417049	0.030932661	4.553197861	0.001	0.001	5E-06	0.007117542	0.001228196	0.010378259	0.021623628	5E-06	18.43043709	1.67569E-05	0.000261621	0.00025439
2073 Jun	61.04987335	0.057153121	0.012648219	0.001	13.96818447	0.02823074	4.939493656	0.001	0.001	5E-06	0.007049045	0.001325872	0.009988189	0.024986709	5E-06	20.91291046	1.79316E-05	0.0002949	0.000322807
2073 Jul	60.18267441	0.055492744	0.012440066	0.001	13.72231483	0.028212361	4.856289387	0.001	0.001	5E-06	0.007022389	0.001314251	0.009949711	0.024575768	5E-06	20.56253242	1.78344E-05	0.000290377	0.00031564
2073 Aug	59.59579468	0.054560956	0.012262554	0.001	13.59472466	0.028525475	4.817443371	0.001	0.001	5E-06	0.006970814	0.001308755	0.00993415	0.024316717	5E-06	20.34537315	1.75009E-05	0.000286346	0.000310248
2073 Sep	59.12580872	0.055832196	0.011972882	0.001	13.54033852	0.029219044	4.811014175	0.001	0.001	5E-06	0.006982776	0.001299708	0.010037955	0.023977861	5E-06	20.12989807	1.71999E-05	0.000282656	0.000302044

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Oct	58.55238724	0.059968211	0.011468454	0.001	13.50540638	0.030375423	4.836622238	0.001	0.001	5E-06	0.007091836	0.001286231	0.010154072	0.023493018	5E-06	19.82827377	1.70319E-05	0.000276662	0.000289655
2073 Nov	58.42203522	0.060905505	0.01135401	0.001	13.49735832	0.030637344	4.842378616	0.001	0.001	5E-06	0.007116599	0.001283166	0.010180431	0.023382854	5E-06	19.75971031	1.69941E-05	0.000275302	0.000286842
2073 Dec	58.41991425	0.060920771	0.011352144	0.001	13.49722576	0.030641608	4.8424716	0.001	0.001	5E-06	0.007117003	0.001283116	0.010180861	0.023381056	5E-06	19.75859261	1.69935E-05	0.00027528	0.000286797
2074 Jan	58.42434311	0.060930092	0.011353133	0.001	13.4985714	0.030642452	4.84296608	0.001	0.001	5E-06	0.007117069	0.00128319	0.010180811	0.023383394	5E-06	19.76047897	1.69934E-05	0.000275298	0.000286836
2074 Feb	58.43133163	0.060935706	0.011355335	0.001	13.50045967	0.030641627	4.843592644	0.001	0.001	5E-06	0.007116972	0.001283313	0.010180546	0.023387395	5E-06	19.76355362	1.69936E-05	0.000275332	0.00028691
2074 Mar	58.43514252	0.060938761	0.011356534	0.001	13.50148773	0.030641174	4.843934536	0.001	0.001	5E-06	0.007116919	0.001283381	0.010180402	0.023389574	5E-06	19.76523018	1.69938E-05	0.000275351	0.00028695
2074 Apr	58.43730927	0.060940504	0.011357219	0.001	13.50207329	0.030640921	4.844129086	0.001	0.001	5E-06	0.007116889	0.001283419	0.01018032	0.023390815	5E-06	19.76618385	1.69938E-05	0.000275362	0.000286973
2074 May	62.47631836	0.062106941	0.012806557	0.001	14.49566269	0.029316882	5.154991627	0.001	0.001	5E-06	0.007062222	0.00135375	0.009960726	0.025751995	5E-06	21.54065895	1.7528E-05	0.000297608	0.000333295
2074 Jun	68.31060791	0.06150249	0.015095176	0.001	15.8245697	0.02647477	5.547557831	0.001	0.001	5E-06	0.006984198	0.001454161	0.009571012	0.029218303	5E-06	24.10174942	1.87355E-05	0.000332297	0.000403981
2074 Jul	67.24314117	0.059748307	0.014824419	0.001	15.51535797	0.026405938	5.440946579	0.001	0.001	5E-06	0.00697505	0.001437367	0.009559916	0.028666181	5E-06	23.65084648	1.8713E-05	0.000327232	0.000394372
2074 Aug	66.96528625	0.059427723	0.014731897	0.001	15.45518875	0.026559796	5.421739101	0.001	0.001	5E-06	0.006957323	0.001433821	0.009571671	0.028523838	5E-06	23.54104233	1.85723E-05	0.000325496	0.000391414
2074 Sep	65.96412659	0.061393302	0.014194746	0.001	15.28861904	0.027598007	5.387410164	0.001	0.001	5E-06	0.006999024	0.001414761	0.009717821	0.02784531	5E-06	23.08144379	1.82019E-05	0.000318352	0.000376036
2074 Oct	65.14830017	0.064234145	0.013688086	0.001	15.16406536	0.02856007	5.374472618	0.001	0.001	5E-06	0.007082311	0.001398025	0.009824306	0.027260514	5E-06	22.68733597	1.80262E-05	0.000311839	0.0003625
2074 Nov	65.04240417	0.064602315	0.013622358	0.001	15.14788437	0.02868483	5.372784138	0.001	0.001	5E-06	0.007093108	0.001395853	0.009838119	0.027184624	5E-06	22.6361866	1.80034E-05	0.000310994	0.000360744
2074 Dec	65.03845978	0.064616039	0.013619908	0.001	15.14728069	0.028689481	5.372720718	0.001	0.001	5E-06	0.00709351	0.001395772	0.009838633	0.027181795	5E-06	22.63427925	1.80026E-05	0.000310962	0.000360678
2075 Jan	65.04174042	0.064624436	0.013620527	0.001	15.14833069	0.028690558	5.373116493	0.001	0.001	5E-06	0.007093578	0.001395826	0.009838637	0.027183482	5E-06	22.63566971	1.80024E-05	0.000310974	0.000360705
2075 Feb	65.04797363	0.06462954	0.013622475	0.001	15.1500206	0.028689902	5.373679161	0.001	0.001	5E-06	0.007093486	0.001395937	0.009838409	0.027187042	5E-06	22.63841057	1.80026E-05	0.000311005	0.000360771
2075 Mar	65.05137634	0.064632326	0.013623541	0.001	15.15094471	0.028689543	5.373986244	0.001	0.001	5E-06	0.007093437	0.001395997	0.009838283	0.02718899	5E-06	22.63990974	1.80026E-05	0.000311022	0.000360807
2075 Apr	65.05331421	0.064633921	0.013624148	0.001	15.15147209	0.02868934	5.374162197	0.001	0.001	5E-06	0.007093409	0.001396031	0.009838212	0.027190999	5E-06	22.64076233	1.80027E-05	0.000311031	0.000360827
2075 May	65.72135925	0.064786263	0.013866393	0.001	15.3151598	0.028464148	5.425024986	0.001	0.001	5E-06	0.00708304	0.001407706	0.009801625	0.027581951	5E-06	22.93485451	1.80892E-05	0.000314734	0.000368534
2075 Jun	58.43640518	0.051480025	0.012200281	0.001	13.01186752	0.026378732	4.591529846	0.001	0.001	5E-06	0.007176304	0.001275624	0.009847729	0.023599757	5E-06	19.72915459	1.91889E-05	0.000286926	0.000303332
2075 Jul	55.53284836	0.046259321	0.011512764	0.001	12.12809658	0.025830621	4.277778625	0.001	0.001	5E-06	0.007177705	0.001226709	0.009836225	0.022063455	5E-06	18.47982979	1.93792E-05	0.000274587	0.000277545
2075 Aug	54.99655533	0.045596164	0.011327206	0.001	12.02756119	0.026255116	4.248126984	0.001	0.001	5E-06	0.007123259	0.001221579	0.009849477	0.021812078	5E-06	18.2818987	1.89805E-05	0.000270727	0.00027194
2075 Sep	54.81781769	0.046339378	0.011194528	0.001	12.01895046	0.026624648	4.251786709	0.001	0.001	5E-06	0.007127842	0.001218152	0.009900456	0.021674359	5E-06	18.19946861	1.88162E-05	0.000269068	0.000268342
2075 Oct	54.60414124	0.048594557	0.010951217	0.001	12.03114605	0.027279582	4.275636673	0.001	0.001	5E-06	0.007177038	0.001212926	0.009964314	0.021470709	5E-06	18.08266258	1.86791E-05	0.000266229	0.000262621
2075 Nov	54.56262207	0.049046926	0.01090291	0.001	12.0339222	0.027410511	4.280520439	0.001	0.001	5E-06	0.007186869	0.001211902	0.009977057	0.021430653	5E-06	18.05983162	1.86517E-05	0.000265667	0.000261489
2075 Dec	54.55944443	0.049081769	0.010899198	0.001	12.03414154	0.02742059	4.280898571	0.001	0.001	5E-06	0.007187626	0.001211824	0.009978037	0.021427581	5E-06	18.05808258	1.86496E-05	0.000265624	0.000261402
2076 Jan	54.56546402	0.049095314	0.010900452	0.001	12.03602982	0.027422244	4.281597137	0.001	0.001	5E-06	0.007187694	0.001211926	0.009978021	0.021430733	5E-06	18.06065178	1.86493E-05	0.000265647	0.000261453
2076 Feb	54.57461929	0.049103383	0.010903271	0.001	12.03854084	0.027421493	4.282437325	0.001	0.001	5E-06	0.007187562	0.001212088	0.009977705	0.021435954	5E-06	18.06468391	1.86494E-05	0.000265691	0.000261549
2076 Mar	54.57959747	0.049107764	0.010904802	0.001	12.03990459	0.027421083	4.282893658	0.001	0.001	5E-06	0.00718749	0.001212176	0.009977533	0.021438787	5E-06	18.06687355	1.86495E-05	0.000265715	0.000261601
2076 Apr	54.58235931	0.0491102	0.010905653	0.001	12.04066277	0.027420856	4.283147335	0.001	0.001	5E-06	0.007187451	0.001212225	0.009977438	0.021440364	5E-06	18.06809044	1.86495E-05	0.000265729	0.00026163
2076 May	56.5955658	0.050215133	0.011581657	0.001	12.56213284	0.026989607	4.451414108	0.001	0.001	5E-06	0.007158048	0.001247534	0.009889206	0.022602683	5E-06	18.95334816	1.88009E-05	0.000276231	0.000283775
2076 Jun	61.96674728	0.05083194	0.01358145	0.001	13.8472271	0.02491034	4.842929363	0.001	0.001	5E-06	0.007078624	0.001340374	0.009588836	0.025755346	5E-06	21.3125248	1.9632E-05	0.00030689	0.000346552
2076 Jul	60.73612213	0.048860997	0.013264304	0.001	13.49366188	0.024856348	4.721292019	0.001	0.001	5E-06	0.007067578	0.001320992	0.00958011	0.025116164	5E-06	20.79257584	1.95921E-05	0.000301006	0.000335349
2076 Aug	60.285923	0.048451729	0.013098205	0.001	13.41016483	0.025224335	4.696029663	0.001	0.001	5E-06	0.007029193	0.001315724	0.009610766	0.024884602	5E-06	20.6191349	1.9274E-05	0.000297919	0.000330204
2076 Sep	60.03055573	0.049318321	0.01292841	0.001	13.38569641	0.025646746	4.695958138	0.001	0.001	5E-06	0.007038878	0.001310823	0.009668038	0.024697067	5E-06	20.50111771	1.91012E-05	0.00029575	0.000325545
2076 Oct	59.49267197	0.052943159	0.012464076	0.001	13.35810852	0.026769711	4.719852924	0.001	0.001	5E-06	0.007122774	0.001298909	0.00978299	0.024252942	5E-06	20.22664642	1.88596E-05	0.000290105	0.000314038
2076 Nov	59.3710022	0.053766344	0.012358815	0.001	13.3519516	0.027024481	4.725310326	0.001	0.001	5E-06	0.007141825	0.001296211	0.009809071	0.024152361	5E-06	20.16452217	1.88049E-05	0.000288827	0.000311431
2076 Dec	59.36857605	0.053782791	0.012356715	0.001	13.35182953	0.027029568	4.725419998	0.001	0.001	5E-06	0.007142206	0.001296157	0.009809593	0.024150355	5E-06	20.1632843	1.88038E-05	0.000288801	0.000311379
2077 Jan	59.37264633	0.053792745	0.012357502	0.001	13.35313225	0.027030917	4.725906849	0.001	0.001	5E-06	0.007142264	0.001296226	0.009809603	0.02415246	5E-06	20.16501427	1.88035E-05	0.000288816	0.000311412
2077 Feb	59.37924957	0.053798627	0.012359528	0.001	13.35494614	0.027030405	4.726514816	0.001	0.001	5E-06	0.007142169	0.001296343	0.009809379	0.024156218	5E-06	20.16792107	1.88036E-05	0.000288848	0.000311481
2077 Mar	59.38285065	0.053801838	0.012360635	0.001	13.35593605	0.027030125	4.726846218	0.001	0.001	5E-06	0.007142117	0.001296407	0.009809257	0.024158273	5E-06	20.16950798	1.88036E-05	0.000288865	0.000311519
2077 Apr	59.38490677	0.053803671	0.012361266	0.001	13.35650063	0.027029967	4.727035522	0.001	0.001	5E-06	0.007142087	0.001296443	0.009809188	0.024159443	5E-06	20.17041016	1.88037E-05	0.000288875	0.00031154
2077 May	60.9739418	0.054639101	0.012897505	0.001	13.76688194	0.026678786	4.859045506	0.001	0.001	5E-06	0.007118401	0.001324289	0.009739578	0.025077272	5E-06	20.86919022	1.89263E-05	0.000297205	0.000329059
2077 Jun	64.50637054	0.053989373	0.014298906	0.001	14.56714916	0.024917468	5.09150219	0.001	0.001	5E-06	0.007062361	0.001384816	0.009517233	0.027173331	5E-06	22.42071342	1.96414E-05	0.000318529	0.000371931
2077 Jul	63.27255249	0.052060988	0.013983958	0.001	14.20148373	0.024772862	4.963374615	0.001	0.001	5E-06	0.007067069	0.001363736	0.009525581	0.02650705	5E-06	21.88671494	1.96944E-05	0.000313101	0.000360453
2077 Aug	62.85923767	0.051744416	0.013827194	0.001	14.12437439	0.025109019	4.939130306	0.001	0.001	5E-06	0.007035953	0.001358231	0.009567392	0.026280945	5E-06	21.72271347	1.94149E-05	0.000310413	0.000355468
2077 Sep	61.46677399	0.054870531	0.01302111	0.001	13.94085407	0.02696331	4.909525394	0.001	0.001	5E-06	0.007062397	0.001332493	0.009833241	0.025315868	5E-06	21.09355164	1.859E-05	0.000299771	0.000332506
2077 Oct	60.97816467	0.057444073	0.012652763	0.001	13.89376831	0.027785668	4.918243408	0.001	0.001	5E-06	0.007126218	0.001322127	0.009917531	0.02493817	5E-06	20.85087013	1.84196E-05	0.000295169	0.000323139
2077 Nov	60.9607048	0.057536539	0.01263957	0.001	13.89209652	0.027815148	4.918563366	0.001	0.001	5E-06	0.007128512	0.001321756	0.009920547	0.024924662	5E-06	20.8421936	1.84135E-05	0.000295004	0.000322804
2077 Dec	60.95815277	0.057550069	0.012637639	0.001	13.89185238	0.02781946	4.918609619	0.001	0.001	5E-06	0.007128848	0.001321702	0.009920988	0.024922686	5E-06	20.84092522	1.84126E-05	0.00029498	0.000322755
2078 Jan	60.96143723	0.057558279	0.012638264	0.001	13.89290524	0.027820572	4.919005394	0.001	0.001	5E-06	0.007128902	0.001321757	0.009920992	0.024924383	5E-06	20.8423214	1.84124E-05	0.000294992	0.000322782
2078 Feb	60.96704865	0.057563175	0.012639997	0.001	13.8944416	0.027820095	4.919519424	0.001	0.001	5E-06	0.00712882	0.001321857	0.009920794	0.024927584	5E-06	20.84479332	1.84124E-05	0.000295019	0.00032284
2078 Mar	60.97010422	0.057565846	0.012640939	0.001	13.89527893	0.027819835	4.919799805	0.001	0.001	5E-06	0.007128776	0.001321911	0.009920686	0.02492933	5E-06	20.846138	1.84125E-05	0.000295034	0.000322873
2078 Apr	60.97184753	0.057567365	0.012641478	0.001	13.89575672	0.027819688	4.919959545	0.001	0.001	5E-06	0.00712875	0.001321942	0.009920624	0.024930324	5E-06	20.84690666	1.84125E-05	0.000295042	0.000322891
2078 May	65.35932159	0.0594703	0.014156982	0.001	15.01120758	0.026694484	5.275970459	0.001	0.001	5E-06	0.007061792	0.001399103	0.00970503	0.027483592	5E-06	22.77903366	1.88204E-05	0.00031835	0.000372083
2078 Jun	69.54794312	0.060063731	0.015706392	0.001	16.02180672	0.025144368	5.586797714	0.001	0.001	5E-06	0.006995532	0.001472348	0.009460239	0.02995331	5E-06	24.62425613	1.94233E-05	0.000341897	0.000421053
2078 Jul	68.72341919	0.058826163	0.015479869	0.001	15.8020277	0.025250534	5.51465559	0.001	0.001	5E-06	0.006972441	0.001461073	0.009441207	0.029547373	5E-06	24.28866005	1.92797E-05	0.000337337	0.000413582
2078 Aug	67.4782486	0.05728152	0.015083079	0.001	15.52339363	0.025859751	5.429059982	0.001	0.001	5E-06	0.006895123	0.001446749	0.009438206	0.028949134	5E-06	23.80526733	1.87047E-05	0.000329228	0.000401328
2078 Sep	66.83003235	0.057506021	0.014792906	0.001	15.40698624	0.02644128	5.394414902	0.001	0.001	5E-06	0.006879454	0.001435462	0.009544502	0.028536811	5E-06	23.52466965	1.83512E-05	0.000325174	0.0003922
2078 Oct	66.35059357	0.059169281	0.014494798	0.001	15.33458805	0.027013218	5.386998177	0.001	0.001	5E-06	0.006927246	0.001425657	0.009608365	0.028193131	5E-06	23.29348564	1.82406E-05	0.00032134	0.000384228
2078 Nov	66.22637177	0.059600331	0.014417555	0.001	15.3158226	0.02716136	5.385073185	0.001	0.001	5E-06	0.006939643	0.001423115	0.009624914	0.028104069	5E-06	23.23357773	1.8212E-05	0.000320347	0.000382162
2078 Dec	66.22251129	0.059613723	0.014415157	0.001	15.31523895	0.027165957	5.385013103	0.001	0.001	5E-06	0.006940028	0.001423036	0.009625428	0.028101301	5E-06	23.23171616	1.82112E-05	0.000320316	0.000382097
2079 Jan	66.22529602	0.059621882	0.014415604	0.001	15.31616116	0.027167164	5.38536787	0.001	0.001	5E-06	0.006940103	0.001423082	0.00962546	0.028102694	5E-06	23.23288536	1.82109E-05	0.000320326	0.000382119
2079 Feb	66.23084259	0.059626792	0.014417311	0.001	15.31767845	0.027166687	5.385875702	0.001	0.001	5E-06	0.006940027	0.00142318	0.009625267	0.028105853	5E-06	23.23532295	1.8211E-05	0.000320353	0.000382177
2079 Mar	66.23386383	0.059629474	0.014418243	0.001	15.31850624	0.027166426	5.386152744	0.001	0.001	5E-06	0.006939985	0.001423234	0.009625162	0.028107576	5E-06	23.23665237	1.82111E-05	0.000320367	0.000382208
2079 Apr	66.23558807	0.059630994	0.014418772	0.001	15.31897736	0.027166279	5.386310101	0.001	0.001	5E-06	0.006939962	0.001423264	0.009625102	0.028108556	5E-06	23.23740959	1.82111E-05	0.000320376	0.000382226
2079 May	66.42193604	0.059708737	0.014483724	0.001	15.36570549	0.027113069	5.401122093	0.001	0.001	5E-06	0.006937693	0.001426494	0.00961597	0.028216522	5E-06	23.3190937	1.82329E-05	0.000321384	0.000384322
2079 Jun	62.03211975	0.049992457	0.013638346	0.001	13.87764072	0.024991019	4.847486973	0.001	0.001	5E-06	0.007018612	0.001344238	0.009591495	0.025837649	5E-06	21.37070274	1.93831E-05	0.00030711	0.00034792
2079 Jul	59.35393524	0.045917828	0.012942603	0.001	13.09638214	0.024781492	4.577134132	0.001	0.001	5E-06	0.007019667	0.001299855	0.009593808	0.02441035	5E-06	20.22102356	1.94222E-05	0.000294803	0.000323078
2079 Aug	58.68730927	0.045113035	0.012723085	0.001	12.95746899	0.025192481	4.536654472	0.001	0.001	5E-06	0.006967509	0.001293243	0.009584988	0.02410407	5E-06	19.97040939	1.90395E-05	0.000290105	0.000316553
2079 Sep	57.97327805	0.048219845	0.012209896	0.001	12.8949995	0.026436117	4.544229507	0.001	0.001	5E-06	0.007022251	0.001278689	0.0097427	0.023558384	5E-06	19.62845039	1.86271E-05	0.000283714	0.000302903
2079 Oct	57.52656937	0.051364571	0.011816025	0.001	12.87365913	0.027384588	4.565424442	0.001	0.001	5E-06	0.007097083	0.001268519	0.009841472	0.023182781	5E-06	19.39759827	1.84371E-05	0.000278991	0.000293164
2079 Nov	57.29269028	0.053069115	0.011605634	0.001	12.86408806	0.027895654	4.577511787	0.001	0.001	5E-06	0.007137452	0.001263152	0.009894597	0.022984056	5E-06	19.27611923	1.8335E-05	0.000276479	0.000287982
2079 Dec	57.11231232	0.054399643	0.01144223	0.001	12.85714436	0.028293775	4.587105751	0.001	0.001	5E-06	0.007168914	0.001259	0.009935957	0.022830224	5E-06	19.18226242	1.82556E-05	0.00027453	0.000283962
2080 Jan	57.12096405	0.054420494	0.011443937	0.001	12.85988903	0.028296441	4.58812952	0.001	0.001	5E-06	0.007169049	0.001259144	0.009935976	0.022834692	5E-06	19.18593788	1.82551E-05	0.000274563	0.000284034
2080 Feb	57.13486099	0.054432672	0.01144822	0.001	12.86369228	0.028295247	4.589400768	0.001	0.001	5E-06	0.007168853	0.00125939	0.0099355	0.022842605	5E-06	19.19204712	1.82553E-05	0.00027463	0.00028418
2080 Mar	57.14241409	0.054439299	0.011450551	0.001	12.86575985	0.028294597	4.590092182	0.001	0.001	5E-06	0.007168747	0.001259524	0.009935242	0.022846907	5E-06	19.19536972	1.82555E-05	0.000274667	0.000284259
2080 Apr	57.14661789	0.054442983	0.011451846	0.001	12.86690998	0.028294235	4.590476513	0.001	0.001	5E-06	0.007168687	0.001259598	0.009935098	0.022849301	5E-06	19.19721985	1.82555E-05	0.000274687	0.000284303
2080 May	57.18841553	0.054464672	0.011466	0.001	12.87765121	0.028284552	4.593923092	0.001	0.001	5E-06	0.00716811	0.001260327	0.00993327	0.022873404	5E-06	19.21556854	1.82591E-05	0.000274908	0.000284764
2080 Jun	52.94584656	0.046049301	0.010554023	0.001	11.50031853	0.026759071	4.088440418	0.001	0.001	5E-06	0.007229056	0.001182081	0.009954384	0.020553956	5E-06	17.34115791	1.9064E-05	0.000259756	0.000247681
2080 Jul	50.53827286	0.041395649	0.009991804	0.001	10.78812504	0.026465869	3.839081764	0.001	0.001	5E-06	0.00718863	0.001145499	0.009901292	0.019346254	5E-06	16.33707237	1.90107E-05	0.000248574	0.000227157
2080 Aug	49.89978409	0.040482584	0.0097713	0.001	10.68115616	0.027072646	3.810573101	0.001	0.001	5E-06	0.007102223	0.001141516	0.009894744	0.019081056	5E-06	16.11818314	1.84184E-05	0.000243424	0.000220872

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Sep	49.61899948	0.042087015	0.009496322	0.001	10.71964741	0.028097879	3.834245682	0.001	0.001	5E-06	0.007076867	0.001136236	0.010061313	0.018826421	5E-06	15.9950943	1.78264E-05	0.000240254	0.000213219
2080 Oct	49.60097885	0.045550518	0.009240218	0.001	10.81162643	0.028975274	3.892530203	0.001	0.001	5E-06	0.007147251	0.001133459	0.010144985	0.018694028	5E-06	15.95148277	1.7665E-05	0.000237728	0.00020805
2080 Nov	49.59715271	0.048107315	0.009054843	0.001	10.88165569	0.029618127	3.936182737	0.001	0.001	5E-06	0.007199168	0.001131566	0.010206169	0.018601816	5E-06	15.9233923	1.75482E-05	0.000235922	0.000204348
2080 Dec	49.59705353	0.048308447	0.009040341	0.001	10.88721085	0.029668592	3.939630508	0.001	0.001	5E-06	0.007203251	0.00113142	0.01021097	0.018594684	5E-06	15.92127228	1.7539E-05	0.000235781	0.000204059
2081 Jan	49.60517502	0.048324592	0.009042198	0.001	10.889678	0.029670117	3.940526485	0.001	0.001	5E-06	0.007203324	0.001131557	0.010210909	0.018598985	5E-06	15.92474651	1.75388E-05	0.000235814	0.000204132
2081 Feb	49.61608124	0.048334043	0.009045572	0.001	10.89265347	0.029669104	3.94151926	0.001	0.001	5E-06	0.007203175	0.001131749	0.010210535	0.018605193	5E-06	15.92953873	1.7539E-05	0.000235867	0.000204246
2081 Mar	49.62204742	0.048339222	0.009047419	0.001	10.89428234	0.029668551	3.942062616	0.001	0.001	5E-06	0.007203093	0.001131855	0.01021033	0.018608589	5E-06	15.93216133	1.75392E-05	0.000235896	0.000204309
2081 Apr	49.6341095	0.048349679	0.009051151	0.001	10.89757442	0.029667428	3.943161011	0.001	0.001	5E-06	0.007202928	0.001132068	0.010209915	0.018615456	5E-06	15.93746471	1.75394E-05	0.000235955	0.000204435
2081 May	54.24745941	0.050877437	0.01060433	0.001	12.08573437	0.028623115	4.325204849	0.001	0.001	5E-06	0.007143263	0.001212227	0.010013291	0.021268629	5E-06	17.96021843	1.79378E-05	0.000260264	0.000255135
2081 Jun	59.18233109	0.052603737	0.012349278	0.001	13.31002426	0.027098875	4.70868969	0.001	0.001	5E-06	0.007081528	0.001297162	0.009777433	0.024125071	5E-06	20.12095261	1.85596E-05	0.00028745	0.000310903
2081 Jul	58.86906815	0.052013252	0.012275619	0.001	13.21676159	0.027056176	4.675981045	0.001	0.001	5E-06	0.00707775	0.001292279	0.009771703	0.023965847	5E-06	19.98926926	1.85597E-05	0.000286021	0.000308204
2081 Aug	58.69936371	0.051833611	0.012212545	0.001	13.18724823	0.027210884	4.666767597	0.001	0.001	5E-06	0.007059976	0.001290358	0.009787212	0.023878325	5E-06	19.92499352	1.842E-05	0.000284852	0.000306217
2081 Sep	58.36605072	0.052528262	0.012009177	0.001	13.15778828	0.02777547	4.662742138	0.001	0.001	5E-06	0.007048743	0.001284329	0.009881956	0.023638507	5E-06	19.77887154	1.80992E-05	0.000282259	0.000300217
2081 Oct	58.2258873	0.053913783	0.011857466	0.001	13.16141891	0.028166942	4.675976753	0.001	0.001	5E-06	0.007081114	0.001280816	0.009921842	0.023506435	5E-06	19.70194244	1.80272E-05	0.000280512	0.000296605
2081 Nov	58.06221008	0.055511873	0.011681748	0.001	13.16508579	0.028618935	4.691083908	0.001	0.001	5E-06	0.007118533	0.001276727	0.009967918	0.023352902	5E-06	19.61230469	1.79442E-05	0.000278486	0.000292415
2081 Dec	58.03510284	0.055773932	0.011652836	0.001	13.16561794	0.028693115	4.693540096	0.001	0.001	5E-06	0.007124681	0.001276051	0.009975482	0.02332757	5E-06	19.5974865	1.79306E-05	0.000278152	0.000291725
2082 Jan	58.04298782	0.055791263	0.01165452	0.001	13.1680603	0.028695019	4.694439411	0.001	0.001	5E-06	0.007124784	0.001276183	0.009975451	0.023331696	5E-06	19.60084343	1.79303E-05	0.000278184	0.000291793
2082 Feb	58.05501175	0.055801541	0.011658252	0.001	13.17133808	0.028693868	4.695532799	0.001	0.001	5E-06	0.007124616	0.001276396	0.009975029	0.023338551	5E-06	19.60613251	1.79306E-05	0.000278242	0.000291919
2082 Mar	58.06155777	0.055807136	0.011660283	0.001	13.17312241	0.02869324	4.696127892	0.001	0.001	5E-06	0.007124525	0.001276512	0.0099748	0.023342282	5E-06	19.6090107	1.79307E-05	0.000278274	0.000291988
2082 Apr	58.06529999	0.055810336	0.011661444	0.001	13.17414188	0.028692884	4.696467876	0.001	0.001	5E-06	0.007124472	0.001276578	0.009974669	0.023344414	5E-06	19.61065674	1.79308E-05	0.000278293	0.000292027
2082 May	58.07176971	0.055813845	0.011663623	0.001	13.17580986	0.028691433	4.697005272	0.001	0.001	5E-06	0.007124384	0.001276691	0.009974386	0.023348143	5E-06	19.61349678	1.79313E-05	0.000278326	0.000292098
2082 Jun	52.27572632	0.04381812	0.010463605	0.001	11.26712322	0.026372418	3.99310708	0.001	0.001	5E-06	0.007211859	0.001169492	0.009980215	0.020193627	5E-06	17.05119896	1.91562E-05	0.00025821	0.000242391
2082 Jul	49.09225845	0.037383974	0.009770546	0.001	10.26475716	0.025479669	3.631362677	0.001	0.001	5E-06	0.007214183	0.001115443	0.00994559	0.018525718	5E-06	15.68038368	1.95033E-05	0.000245491	0.000215284
2082 Aug	48.83547592	0.037194032	0.009655042	0.001	10.24234962	0.02590015	3.626834154	0.001	0.001	5E-06	0.007166837	0.001113796	0.009979314	0.018402092	5E-06	15.5943222	1.91333E-05	0.000243217	0.000211928
2082 Sep	48.77503586	0.038416337	0.009524489	0.001	10.28524494	0.026426706	3.650309801	0.001	0.001	5E-06	0.00716818	0.00111239	0.010048954	0.018315753	5E-06	15.56306648	1.88857E-05	0.000241784	0.000208775
2082 Oct	48.84275055	0.043746766	0.009161924	0.001	10.45689392	0.027799709	3.750313044	0.001	0.001	5E-06	0.007266257	0.001110473	0.010169878	0.018177021	5E-06	15.54372787	1.85943E-05	0.000238223	0.000201947
2082 Nov	48.84864807	0.044136494	0.009135772	0.001	10.46967125	0.027899744	3.757693768	0.001	0.001	5E-06	0.007273406	0.00111035	0.010178664	0.01816744	5E-06	15.54273415	1.85731E-05	0.000237968	0.000201459
2082 Dec	48.84893799	0.044155069	0.009134529	0.001	10.47028351	0.027904507	3.758046389	0.001	0.001	5E-06	0.007273747	0.001110344	0.010179082	0.018166989	5E-06	15.54269123	1.85721E-05	0.000237956	0.000201436
2083 Jan	48.85438156	0.044166137	0.009135749	0.001	10.47195816	0.027905703	3.758657217	0.001	0.001	5E-06	0.007273786	0.001110437	0.010179042	0.01816988	5E-06	15.54502869	1.85718E-05	0.000237977	0.000201484
2083 Feb	48.86159515	0.044172592	0.009137963	0.001	10.4739399	0.027905136	3.759321213	0.001	0.001	5E-06	0.007273683	0.001110565	0.010178796	0.018173989	5E-06	15.54820442	1.85719E-05	0.000238012	0.000201559
2083 Mar	48.86553955	0.04417612	0.009139172	0.001	10.47502136	0.027904829	3.759683847	0.001	0.001	5E-06	0.007273627	0.001110634	0.010178663	0.018176233	5E-06	15.54993725	1.8572E-05	0.000238031	0.0002016
2083 Apr	48.86778259	0.044178128	0.009139862	0.001	10.47563839	0.027904652	3.759890556	0.001	0.001	5E-06	0.007273595	0.001110674	0.010178586	0.018177513	5E-06	15.55092621	1.8572E-05	0.000238042	0.000201624
2083 May	52.47068024	0.046421569	0.010327807	0.001	11.42005157	0.027231103	4.067097187	0.001	0.001	5E-06	0.00722218	0.001173917	0.010028798	0.020250343	5E-06	17.1347065	1.88015E-05	0.000256568	0.000240827
2083 Jun	60.05863953	0.049475975	0.012970204	0.001	13.33314896	0.025148543	4.673028946	0.001	0.001	5E-06	0.007112996	0.001306147	0.009666828	0.024652993	5E-06	20.46846771	1.95894E-05	0.000297473	0.000326038
2083 Jul	58.79730225	0.047362607	0.012642085	0.001	12.98681259	0.025222559	4.557051659	0.001	0.001	5E-06	0.007077761	0.001288702	0.009633197	0.024035534	5E-06	19.95440483	1.94105E-05	0.000290767	0.000314935
2083 Aug	57.27804947	0.045171604	0.012163049	0.001	12.67474461	0.026186055	4.469191551	0.001	0.001	5E-06	0.00693336	0.001276728	0.009559888	0.023397921	5E-06	19.40681839	1.84469E-05	0.000279444	0.000301184
2083 Sep	56.88313293	0.048196524	0.011782938	0.001	12.67841816	0.027218502	4.495895386	0.001	0.001	5E-06	0.006988305	0.001267587	0.009686823	0.023045288	5E-06	19.20367622	1.81435E-05	0.000275036	0.000291624
2083 Oct	56.36014175	0.053969935	0.011171119	0.001	12.71043301	0.02884556	4.555449486	0.001	0.001	5E-06	0.007119856	0.001253808	0.009860253	0.022524865	5E-06	18.90933609	1.78332E-05	0.000268159	0.000277115
2083 Nov	56.19973755	0.055741906	0.010983498	0.001	12.72008324	0.029343219	4.573631287	0.001	0.001	5E-06	0.007160467	0.001249558	0.009913641	0.0223364892	5E-06	18.81887245	1.77396E-05	0.000266056	0.000272662
2083 Dec	56.19764709	0.055765007	0.010981053	0.001	12.72020721	0.029349698	4.573867798	0.001	0.001	5E-06	0.007160997	0.001249502	0.009914338	0.022362804	5E-06	18.8176918	1.77384E-05	0.000266028	0.000272604
2084 Jan	56.20334244	0.055777319	0.010982282	0.001	12.72196865	0.029351039	4.574512005	0.001	0.001	5E-06	0.007161067	0.001249597	0.009914334	0.022365777	5E-06	18.82011604	1.77381E-05	0.000266051	0.000272653
2084 Feb	56.21199417	0.055784743	0.010984963	0.001	12.72432804	0.029350223	4.575298786	0.001	0.001	5E-06	0.007160946	0.00124975	0.009914042	0.0223707	5E-06	18.82391739	1.77383E-05	0.000266093	0.000272744
2084 Mar	56.21666718	0.055788752	0.010986411	0.001	12.7256031	0.029349783	4.575723171	0.001	0.001	5E-06	0.007160881	0.001249832	0.009913886	0.022373358	5E-06	18.8259716	1.77384E-05	0.000266116	0.000272793
2084 Apr	56.21927643	0.055790983	0.010987218	0.001	12.72631359	0.029349539	4.575960159	0.001	0.001	5E-06	0.007160844	0.001249878	0.009913797	0.02237484	5E-06	18.82711792	1.77385E-05	0.000266129	0.00027282
2084 May	60.36400604	0.057672225	0.012411653	0.001	13.77963066	0.02828663	4.910034657	0.001	0.001	5E-06	0.007103586	0.001321505	0.00973851	0.024760902	5E-06	20.64375687	1.8139E-05	0.000288444	0.000318781
2084 Jun	65.21763611	0.058061939	0.014231055	0.001	14.93041134	0.026319476	5.255422115	0.001	0.001	5E-06	0.007036441	0.001403867	0.009494668	0.027585821	5E-06	22.76631546	1.89402E-05	0.00031676	0.000375297
2084 Jul	64.17566681	0.05632364	0.013963971	0.001	14.63524818	0.026306752	5.154341698	0.001	0.001	5E-06	0.007018575	0.001388168	0.009481243	0.027056044	5E-06	22.33201218	1.88626E-05	0.000311615	0.000365945
2084 Aug	63.52799225	0.055606052	0.013740624	0.001	14.50270367	0.026730336	5.11229229	0.001	0.001	5E-06	0.006970512	0.001380118	0.00951804	0.026722698	5E-06	22.0786171	1.84795E-05	0.000307456	0.000358839
2084 Sep	62.84635544	0.056418501	0.013391453	0.001	14.39847565	0.027505184	5.085804462	0.001	0.001	5E-06	0.006963709	0.00136765	0.009653396	0.026263179	5E-06	21.77694893	1.80639E-05	0.000302837	0.000348255
2084 Oct	62.1324501	0.059892986	0.012875962	0.001	14.31710625	0.028597159	5.09083128	0.001	0.001	5E-06	0.007056769	0.001352028	0.00977786	0.025710845	5E-06	21.42029953	1.78631E-05	0.000296525	0.000334877
2084 Nov	61.88072968	0.061115351	0.012694444	0.001	14.28828335	0.028981026	5.092537403	0.001	0.001	5E-06	0.007089588	0.001346519	0.009821619	0.025516186	5E-06	21.29454994	1.77928E-05	0.000294301	0.000330165
2084 Dec	61.87746048	0.061131205	0.012692086	0.001	14.28790665	0.028986003	5.092559338	0.001	0.001	5E-06	0.007090014	0.001346447	0.009822186	0.025513658	5E-06	21.29291534	1.77919E-05	0.000294273	0.000330104
2085 Jan	61.88146973	0.061140846	0.012692884	0.001	14.28917122	0.028987169	5.093029022	0.001	0.001	5E-06	0.007090086	0.001346513	0.009822201	0.025515718	5E-06	21.29461288	1.77917E-05	0.000294288	0.000330137
2085 Feb	61.88840485	0.061146654	0.012695044	0.001	14.29105759	0.028986471	5.093657017	0.001	0.001	5E-06	0.007089987	0.001346636	0.009821961	0.025519673	5E-06	21.29766083	1.77919E-05	0.000294322	0.00033021
2085 Mar	61.89218903	0.061149817	0.012696223	0.001	14.2920866	0.028986089	5.093999386	0.001	0.001	5E-06	0.007089934	0.001346702	0.009821829	0.02552183	5E-06	21.29932594	1.7792E-05	0.000294341	0.00033025
2085 Apr	61.89434052	0.061151624	0.012696894	0.001	14.29267216	0.028985871	5.094194412	0.001	0.001	5E-06	0.007089903	0.00134674	0.009821755	0.025523055	5E-06	21.3002739	1.77921E-05	0.000294351	0.000330273
2085 May	64.65072632	0.062067084	0.013672329	0.001	14.97867393	0.028151659	5.3087883	0.001	0.001	5E-06	0.007050618	0.001394378	0.00969221	0.027120838	5E-06	22.50936699	1.81141E-05	0.000309511	0.000361422
2085 Jun	67.4706955	0.061923448	0.014760741	0.001	15.63143158	0.026869154	5.501482487	0.001	0.001	5E-06	0.007009975	0.001442373	0.009532798	0.028777005	5E-06	23.74493348	1.86402E-05	0.000326276	0.000394953
2085 Jul	66.64503479	0.060570776	0.014538616	0.001	15.41467381	0.027000085	5.430821896	0.001	0.001	5E-06	0.00697693	0.001431962	0.009503735	0.028386053	5E-06	23.41571236	1.84521E-05	0.000321537	0.000387712
2085 Aug	65.32060242	0.059094045	0.01408907	0.001	15.13262558	0.027775351	5.33945179	0.001	0.001	5E-06	0.0068908	0.001414434	0.009584066	0.027690835	5E-06	22.88900375	1.77517E-05	0.000313384	0.00037317
2085 Sep	63.95418167	0.061295394	0.013378151	0.001	14.9041872	0.029175507	5.286195278	0.001	0.001	5E-06	0.006925888	0.001388362	0.009809669	0.026763573	5E-06	22.26690292	1.71705E-05	0.000304043	0.000352228
2085 Oct	63.17217636	0.064356238	0.012870807	0.001	14.78971481	0.030145764	5.277364731	0.001	0.001	5E-06	0.00701772	0.001371606	0.009922724	0.026184812	5E-06	21.8819046	1.70209E-05	0.000297714	0.000338749
2085 Nov	62.79357529	0.065840937	0.012625088	0.001	14.73422527	0.030615	5.273086071	0.001	0.001	5E-06	0.007062395	0.001363485	0.009977389	0.025904484	5E-06	21.69540977	1.69494E-05	0.000294651	0.000332222
2085 Dec	62.78862	0.065860376	0.012621876	0.001	14.73349857	0.03062113	5.273030281	0.001	0.001	5E-06	0.00706298	0.001363379	0.009978103	0.025900818	5E-06	21.69297028	1.69485E-05	0.000294611	0.000332137
2086 Jan	62.79326248	0.065871298	0.012622826	0.001	14.73493958	0.03062229	5.273564816	0.001	0.001	5E-06	0.007063075	0.001363455	0.009978097	0.02590321	5E-06	21.69492722	1.69484E-05	0.000294629	0.000332176
2086 Feb	62.80160522	0.065877944	0.012625456	0.001	14.73719215	0.030621298	5.274311543	0.001	0.001	5E-06	0.007062959	0.001363602	0.009977791	0.025907977	5E-06	21.69859695	1.69487E-05	0.00029467	0.000332264
2086 Mar	62.80615997	0.06588158	0.012626891	0.001	14.73842049	0.030620756	5.274718761	0.001	0.001	5E-06	0.007062895	0.001363683	0.009977626	0.025910579	5E-06	21.70059776	1.69488E-05	0.000294693	0.000332313
2086 Apr	62.80875397	0.065883644	0.012627707	0.001	14.73911953	0.030620446	5.274950504	0.001	0.001	5E-06	0.007062858	0.001363728	0.00997753	0.025912058	5E-06	21.70173836	1.69489E-05	0.000294706	0.00033234
2086 May	63.62271881	0.066034481	0.012926493	0.001	14.935606	0.03032097	5.335292339	0.001	0.001	5E-06	0.007051841	0.001377753	0.009933809	0.026387606	5E-06	22.05867195	1.70711E-05	0.000299313	0.000341764
2086 Jun	65.00514221	0.06032487	0.01393945	0.001	14.99282646	0.027396118	5.288870335	0.001	0.001	5E-06	0.00703593	0.001397743	0.009691919	0.027324112	5E-06	22.65504074	1.84086E-05	0.00031401	0.000367276
2086 Jul	62.81890869	0.056532711	0.013407527	0.001	14.33870983	0.027079627	5.058845043	0.001	0.001	5E-06	0.007031122	0.001361639	0.009680732	0.026173785	5E-06	21.71940041	1.84884E-05	0.00030436	0.000347711
2086 Aug	61.72586823	0.055105641	0.013055124	0.001	14.10142136	0.027675083	4.984052658	0.001	0.001	5E-06	0.006952601	0.001348872	0.009703208	0.025638722	5E-06	21.29632378	1.79132E-05	0.000297328	0.000336596
2086 Sep	60.49855804	0.056130476	0.012458107	0.001	13.90136909	0.028958416	4.9287467	0.001	0.001	5E-06	0.006931729	0.001326722	0.009936335	0.024826646	5E-06	20.75754738	1.71866E-05	0.000289323	0.000318168
2086 Oct	60.1631813	0.057804655	0.012215145	0.001	13.86171627	0.029460199	4.931105137	0.001	0.001	5E-06	0.006979009	0.001319307	0.009991373	0.02456679	5E-06	20.58875084	1.71107E-05	0.00028635	0.000311905
2086 Nov	60.15343475	0.057853878	0.012208045	0.001	13.86057758	0.029474901	4.931182384	0.001	0.001	5E-06	0.006980397	0.001319091	0.009992983	0.024559218	5E-06	20.5838356	1.71085E-05	0.000286263	0.000311722
2086 Dec	60.15126038	0.057864867	0.012206461	0.001	13.86032391	0.029478183	4.931200027	0.001	0.001	5E-06	0.006980707	0.001319043	0.009993343	0.024557529	5E-06	20.58274078	1.7108E-05	0.000286244	0.000311681
2087 Jan	60.15405273	0.057871547	0.012207026	0.001	13.86119366	0.029478909	4.9315238	0.001	0.001	5E-06	0.006980766	0.001319089	0.009993336	0.024558969	5E-06	20.58391953	1.7108E-05	0.000286255	0.000311705
2087 Feb	60.15882874	0.057875562	0.012208517	0.001	13.86248779	0.029478393	4.931955338	0.001	0.001	5E-06	0.006980703	0.001319173	0.009993163	0.024561692	5E-06	20.58601952	1.71081E-05	0.000286278	0.000311755
2087 Mar	60.16143799	0.057877749	0.012209332	0.001	13.86319447	0.029478109	4.932190895	0.001	0.001	5E-06	0.006980669	0.001319219	0.009993069	0.02456318	5E-06	20.58716583	1.71082E-05	0.000286291	0.000311783
2087 Apr	60.16292191	0.057878997	0.012209794	0.001	13.86359692	0.02947795	4.932324409	0.001	0.001	5E-06	0.00698065	0.001319245	0.009993014	0.024564026	5E-06	20.58781624	1.71082E-05	0.000286298	0.000311798
2087 May	61.75719833	0.058463231	0.012773839	0.001	14.25755882	0.028972751	5.056232452	0.001	0.001	5E-06	0.00696355	0.001346706	0.009911335	0.025488574	5E-06	21.28535271	1.73261E-05	0.000295059	0.000329883
2087 Jun	65.4522171	0.058151215	0.014227908	0.001	15.08602333	0.027065458	5.29916954	0.001	0.001	5E-06	0.006932735	0.001408917	0.009668861	0.027665585	5E-06	22.89553642	1.82043E-05	0.000317414	0.000374588
2087 Jul	64.15079498	0.056030069	0.013882044	0.001	14.73725224	0.027213141	5.184830189	0.001	0.001	5E-06	0.006889166	0.001391939	0.009622137	0.027043153	5E-06	22.3723011	1.79647E-05	0.000310124	0.000363216

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Aug	63.59197235	0.055271745	0.013708089	0.001	14.61172867	0.027481057	5.14614296	0.001	0.001	5E-06	0.006851519	0.001385769	0.009616457	0.02678033	5E-06	22.15756989	1.76995E-05	0.000306464	0.000357845
2087 Sep	63.24041748	0.056330383	0.013495395	0.001	14.56012154	0.027910272	5.139126778	0.001	0.001	5E-06	0.006877307	0.001378611	0.009674675	0.026527543	5E-06	21.99048042	1.75786E-05	0.000303768	0.000351965
2087 Oct	62.85666656	0.058019958	0.013232986	0.001	14.50912189	0.028433204	5.138029575	0.001	0.001	5E-06	0.006926192	0.001370263	0.009734347	0.026237121	5E-06	21.79965591	1.74969E-05	0.00030053	0.000345086
2087 Nov	62.68638229	0.058771271	0.013116438	0.001	14.48652649	0.028665558	5.137564182	0.001	0.001	5E-06	0.006947928	0.001366556	0.009760876	0.026108181	5E-06	21.71495628	1.74606E-05	0.000299092	0.000342032
2087 Dec	62.68304443	0.058786046	0.01311415	0.001	14.48608398	0.028670123	5.137555599	0.001	0.001	5E-06	0.006948355	0.001366484	0.009761399	0.026105648	5E-06	21.71329498	1.74599E-05	0.000299064	0.000341972
2088 Jan	62.68660736	0.058795135	0.01311483	0.001	14.48721123	0.028671199	5.137979031	0.001	0.001	5E-06	0.006948441	0.001366542	0.009761411	0.026107464	5E-06	21.71479225	1.74598E-05	0.000299077	0.000342001
2088 Feb	62.69303894	0.058800649	0.013116828	0.001	14.48895836	0.028670534	5.138561249	0.001	0.001	5E-06	0.006948358	0.001366655	0.009761184	0.026111124	5E-06	21.71761513	1.746E-05	0.000299109	0.000342068
2088 Mar	62.6965332	0.058803633	0.013117912	0.001	14.48990631	0.028670175	5.138876915	0.001	0.001	5E-06	0.006948313	0.001366716	0.009761062	0.02611311	5E-06	21.71914864	1.74601E-05	0.000299126	0.000342105
2088 Apr	62.70132065	0.058807738	0.013119401	0.001	14.49120712	0.02866968	5.139310837	0.001	0.001	5E-06	0.006948252	0.001366801	0.009760894	0.026115835	5E-06	21.72125053	1.74603E-05	0.000299149	0.000342155
2088 May	62.88272858	0.058947671	0.013177149	0.001	14.53968811	0.028644022	5.155314922	0.001	0.001	5E-06	0.006946011	0.001369978	0.009754066	0.026219364	5E-06	21.80082703	1.74692E-05	0.000300059	0.000344089
2088 Jun	58.44515991	0.050056923	0.012246067	0.001	13.07306194	0.02683101	4.615437984	0.001	0.001	5E-06	0.007034109	0.001286564	0.009766496	0.023780921	5E-06	19.82650757	1.84973E-05	0.000284824	0.000305668
2088 Jul	56.7468338	0.047089566	0.011845962	0.001	12.54415894	0.026413893	4.426046371	0.001	0.001	5E-06	0.007053369	0.001256308	0.009772934	0.022857599	5E-06	19.08243942	1.87148E-05	0.000278051	0.000290367
2088 Aug	56.51609039	0.046875171	0.011759602	0.001	12.50273991	0.026614111	4.413217545	0.001	0.001	5E-06	0.007032136	0.001253549	0.009793483	0.022736598	5E-06	18.99354744	1.854E-05	0.000276484	0.000287653
2088 Sep	56.33254242	0.047404714	0.011641053	0.001	12.48593712	0.026922796	4.412239552	0.001	0.001	5E-06	0.007033803	0.001250048	0.009841026	0.022601459	5E-06	18.91012573	1.83933E-05	0.000274992	0.000284288
2088 Oct	55.83772278	0.051808827	0.011140506	0.001	12.485116	0.028181698	4.450475693	0.001	0.001	5E-06	0.007138364	0.001237958	0.009970901	0.022151696	5E-06	18.64333916	1.8162E-05	0.000269175	0.000272221
2088 Nov	55.7053299	0.053023644	0.011003942	0.001	12.48593521	0.028527895	4.461345673	0.001	0.001	5E-06	0.007167048	0.001234701	0.010006504	0.02203011	5E-06	18.57160187	1.80983E-05	0.000267592	0.00026894
2088 Dec	55.70353699	0.053040516	0.011002061	0.001	12.4859581	0.028532693	4.461499691	0.001	0.001	5E-06	0.007167445	0.001234656	0.010006997	0.022028448	5E-06	18.5706234	1.80974E-05	0.000267571	0.000268895
2089 Jan	55.70811844	0.053050764	0.011003027	0.001	12.48738289	0.028533846	4.462025642	0.001	0.001	5E-06	0.007167508	0.001234733	0.010006985	0.02203084	5E-06	18.57257652	1.80972E-05	0.000267589	0.000268935
2089 Feb	55.71514511	0.053056836	0.011005202	0.001	12.48929977	0.028533192	4.462666035	0.001	0.001	5E-06	0.007167411	0.001234857	0.01000674	0.022034843	5E-06	18.57566452	1.80974E-05	0.000267623	0.000269008
2089 Mar	55.71897125	0.05306014	0.011006387	0.001	12.49034309	0.028532835	4.463014126	0.001	0.001	5E-06	0.007167358	0.001234925	0.010006608	0.022037022	5E-06	18.5773468	1.80975E-05	0.000267641	0.000269049
2089 Apr	55.72167587	0.05306248	0.011007224	0.001	12.49108219	0.028532581	4.463260651	0.001	0.001	5E-06	0.007167321	0.001234972	0.010006513	0.022038562	5E-06	18.57853699	1.80975E-05	0.000267655	0.000269077
2089 May	58.25352478	0.054292798	0.011872343	0.001	13.13706017	0.027905526	4.669695377	0.001	0.001	5E-06	0.007133242	0.001279025	0.009892438	0.023500474	5E-06	19.68959045	1.8337E-05	0.000281126	0.000297172
2089 Jun	62.96923065	0.055537816	0.013572125	0.001	14.29190159	0.026315231	5.028055191	0.001	0.001	5E-06	0.00707011	0.001360383	0.009651525	0.026245371	5E-06	21.75716782	1.89797E-05	0.000307428	0.000351153
2089 Jul	61.88573074	0.053726926	0.013279084	0.001	14.01473713	0.026545784	4.939460278	0.001	0.001	5E-06	0.007016154	0.001347861	0.009600706	0.025750304	5E-06	21.33444405	1.86715E-05	0.000300886	0.00034184
2089 Aug	61.00447464	0.052391939	0.013013597	0.001	13.81920147	0.026983565	4.881253719	0.001	0.001	5E-06	0.006945703	0.001339709	0.009562426	0.025366649	5E-06	21.00735092	1.82133E-05	0.000294767	0.000333934
2089 Sep	60.60469437	0.05413853	0.012729854	0.001	13.77886963	0.027635444	4.883520126	0.001	0.001	5E-06	0.006982581	0.00133124	0.009647216	0.025058694	5E-06	20.91291293	1.80253E-05	0.000291293	0.000326366
2089 Oct	59.74627304	0.059366513	0.012034553	0.001	13.7096796	0.029208001	4.907198906	0.001	0.001	5E-06	0.007116416	0.001311588	0.009823994	0.024355553	5E-06	20.37229347	1.77396E-05	0.000283005	0.000308749
2089 Nov	59.6299324	0.060075697	0.01194029	0.001	13.7002821	0.029420985	4.910397053	0.001	0.001	5E-06	0.007134612	0.001308918	0.009848025	0.024260154	5E-06	20.31254959	1.77011E-05	0.000281883	0.00030636
2089 Dec	59.62755966	0.060090162	0.011938368	0.001	13.70009041	0.029425329	4.910461903	0.001	0.001	5E-06	0.007134983	0.001308864	0.009848516	0.024258208	5E-06	20.31132889	1.77004E-05	0.00028186	0.000306311
2090 Jan	59.63143921	0.060098987	0.011939176	0.001	13.70129967	0.029426325	4.910907745	0.001	0.001	5E-06	0.007135043	0.001308928	0.009848522	0.024260215	5E-06	20.31297684	1.77002E-05	0.000281875	0.000306344
2090 Feb	59.63778305	0.06010427	0.011941154	0.001	13.70302296	0.029425675	4.911480427	0.001	0.001	5E-06	0.007134953	0.00130904	0.009848303	0.024263829	5E-06	20.31576538	1.77004E-05	0.000281906	0.000306411
2090 Mar	59.64123917	0.060107149	0.011942231	0.001	13.70396233	0.029425321	4.911792755	0.001	0.001	5E-06	0.007134904	0.001309101	0.009848184	0.024265802	5E-06	20.31728363	1.77004E-05	0.000281923	0.000306447
2090 Apr	59.64320755	0.060108792	0.011942846	0.001	13.70449829	0.02942512	4.911971092	0.001	0.001	5E-06	0.007134875	0.001309136	0.009848116	0.024266923	5E-06	20.31814957	1.77005E-05	0.000281933	0.000306468
2090 May	60.05593491	0.060256086	0.012087961	0.001	13.80772686	0.029304683	4.944333076	0.001	0.001	5E-06	0.007128967	0.001316262	0.009829454	0.024505628	5E-06	20.49913597	1.77465E-05	0.000284195	0.000311109
2090 Jun	62.98920441	0.056923211	0.013484337	0.001	14.34327984	0.026716888	5.064830303	0.001	0.001	5E-06	0.007084688	0.001363567	0.009598594	0.026281843	5E-06	21.77609825	1.88631E-05	0.000305451	0.000350663
2090 Jul	61.39522171	0.054146215	0.01309497	0.001	13.86894703	0.026507527	4.897798538	0.001	0.001	5E-06	0.007077844	0.001337333	0.009594378	0.025442932	5E-06	21.09514427	1.88989E-05	0.00029839	0.000336336
2090 Aug	59.50184631	0.052408092	0.012390448	0.001	13.51329994	0.028023314	4.781449318	0.001	0.001	5E-06	0.006924558	0.00131166	0.009808851	0.024399174	5E-06	20.34411812	1.75863E-05	0.000286444	0.000313428
2090 Sep	58.48172379	0.05602897	0.01171631	0.001	13.39881706	0.029574731	4.775904655	0.001	0.001	5E-06	0.006989643	0.001290767	0.010027475	0.023636067	5E-06	19.85941887	1.70529E-05	0.000278089	0.000294913
2090 Oct	57.49585342	0.06263864	0.010881817	0.001	13.3271904	0.031457514	4.810916901	0.001	0.001	5E-06	0.007165049	0.001267574	0.01023045	0.022810357	5E-06	19.34426308	1.67677E-05	0.000268234	0.000274083
2090 Nov	57.24534225	0.06437695	0.010665896	0.001	13.31018257	0.031947002	4.820682049	0.001	0.001	5E-06	0.007211281	0.001261624	0.010282873	0.022598505	5E-06	19.2125721	1.6696E-05	0.000265694	0.000268717
2090 Dec	57.24175262	0.064402074	0.010662788	0.001	13.3099432	0.031954061	4.820825577	0.001	0.001	5E-06	0.00721195	0.001261538	0.010283628	0.022595463	5E-06	19.21068192	1.66949E-05	0.000265657	0.00026864
2091 Jan	57.24728775	0.064413212	0.010664057	0.001	13.31161213	0.031954993	4.821432114	0.001	0.001	5E-06	0.007212021	0.001261631	0.010283572	0.022598388	5E-06	19.21304131	1.66949E-05	0.00026568	0.000268689
2091 Feb	57.25593567	0.06441991	0.010666797	0.001	13.313941	0.031953912	4.822203159	0.001	0.001	5E-06	0.007211896	0.001261783	0.010283248	0.022603335	5E-06	19.21684456	1.66952E-05	0.000265723	0.000268781
2091 Mar	57.26066589	0.064423576	0.010668295	0.001	13.31521511	0.031953324	4.822624683	0.001	0.001	5E-06	0.007211827	0.001261867	0.010283071	0.022606043	5E-06	19.21892738	1.66954E-05	0.000265747	0.000268832
2091 Apr	57.26336288	0.064425662	0.010669149	0.001	13.3159399	0.031952988	4.822865009	0.001	0.001	5E-06	0.007211788	0.001261915	0.01028297	0.022607585	5E-06	19.22011185	1.66955E-05	0.00026576	0.000268861
2091 May	58.67932892	0.064722978	0.01118467	0.001	13.66146564	0.031463515	4.929723263	0.001	0.001	5E-06	0.007190191	0.001286542	0.010206897	0.02343677	5E-06	19.8427639	1.68852E-05	0.000273667	0.000285203
2091 Jun	64.0213089	0.063358478	0.013337172	0.001	14.854743	0.028650735	5.273158073	0.001	0.001	5E-06	0.007104228	0.001378327	0.009848198	0.026624629	5E-06	22.19157028	1.8034E-05	0.000306208	0.000350822
2091 Jul	63.26026535	0.061890773	0.013163091	0.001	14.62265301	0.028500969	5.190643787	0.001	0.001	5E-06	0.007099778	0.00136593	0.009838397	0.026230978	5E-06	21.86771774	1.80709E-05	0.000302935	0.000344261
2091 Aug	62.01229858	0.060362361	0.012735352	0.001	14.36758327	0.029319597	5.104969501	0.001	0.001	5E-06	0.007001296	0.001349261	0.009949254	0.025563993	5E-06	21.37440872	1.73023E-05	0.000295369	0.000330089
2091 Sep	60.94373322	0.06044684	0.012263014	0.001	14.18350983	0.03033926	5.046509743	0.001	0.001	5E-06	0.006953601	0.001330804	0.010153598	0.024880696	5E-06	20.91779327	1.66082E-05	0.000288847	0.000314818
2091 Oct	60.30973053	0.063633539	0.011805056	0.001	14.10601234	0.031266812	5.050635815	0.001	0.001	5E-06	0.00704663	0.001316784	0.010250948	0.02439145	5E-06	20.59788132	1.64885E-05	0.00028322	0.000303074
2091 Nov	59.81322098	0.066145524	0.011445497	0.001	14.04546642	0.031994738	5.054060936	0.001	0.001	5E-06	0.007120139	0.001305786	0.010327067	0.024007844	5E-06	20.34707642	1.63965E-05	0.000278804	0.000293863
2091 Dec	59.7889061	0.066269115	0.011427857	0.001	14.04250717	0.032030437	5.054235458	0.001	0.001	5E-06	0.007123761	0.001305247	0.010330792	0.023989044	5E-06	20.33478355	1.6392E-05	0.000278588	0.000293411
2092 Jan	59.79487991	0.066281356	0.011429223	0.001	14.04430389	0.032031402	5.054892063	0.001	0.001	5E-06	0.007123854	0.001305347	0.010330705	0.023992209	5E-06	20.33732796	1.63921E-05	0.000278612	0.000293465
2092 Feb	59.80480194	0.066288874	0.011432384	0.001	14.04696465	0.03203008	5.055772781	0.001	0.001	5E-06	0.007123713	0.001305522	0.010330313	0.023997897	5E-06	20.34169388	1.63925E-05	0.000278662	0.000293571
2092 Mar	59.81018448	0.066292942	0.011434099	0.001	14.04840851	0.032029357	5.056250572	0.001	0.001	5E-06	0.007123636	0.001305618	0.0103301	0.024000987	5E-06	20.34406281	1.63927E-05	0.000278688	0.000293628
2092 Apr	59.81318665	0.066295221	0.011435055	0.001	14.04921341	0.032028958	5.056516647	0.001	0.001	5E-06	0.007123593	0.001305671	0.01032998	0.024002708	5E-06	20.3453846	1.63928E-05	0.000278703	0.000293661
2092 May	61.48920822	0.066513896	0.012058388	0.001	14.4505682	0.031383075	5.17975235	0.001	0.001	5E-06	0.007099377	0.001334902	0.010228538	0.024991691	5E-06	21.08285332	1.66545E-05	0.000288173	0.000313342
2092 Jun	66.04781342	0.061848376	0.014200901	0.001	15.30137253	0.027518366	5.387671947	0.001	0.001	5E-06	0.007031314	0.001412358	0.009775681	0.027820561	5E-06	23.08850479	1.83421E-05	0.0003196	0.000375685
2092 Jul	63.59931183	0.057528112	0.013614106	0.001	14.56208038	0.027106527	5.127211571	0.001	0.001	5E-06	0.007029477	0.001371782	0.009756358	0.026534498	5E-06	22.03924942	1.84713E-05	0.000308915	0.00035398
2092 Aug	63.15851974	0.05706441	0.013459295	0.001	14.47202396	0.027397363	5.09764719	0.001	0.001	5E-06	0.006998427	0.001365791	0.009794111	0.026296852	5E-06	21.86349297	1.82126E-05	0.000306211	0.000348926
2092 Sep	62.57376862	0.057509769	0.013180722	0.001	14.37305069	0.027976973	5.070422173	0.001	0.001	5E-06	0.006989922	0.001355444	0.009894043	0.025917074	5E-06	21.60775757	1.78883E-05	0.000302385	0.000340375
2092 Oct	62.18682098	0.059152365	0.012920152	0.001	14.32117081	0.028498914	5.069177628	0.001	0.001	5E-06	0.007036403	0.001347316	0.009948842	0.025630556	5E-06	21.41769981	1.77994E-05	0.000299087	0.00033358
2092 Nov	62.0796051	0.059610035	0.012847771	0.001	14.30686474	0.028644159	5.06887579	0.001	0.001	5E-06	0.007049335	0.001345063	0.00996408	0.025551079	5E-06	21.36501312	1.77747E-05	0.000298171	0.000331694
2092 Dec	62.07643509	0.059623633	0.012845628	0.001	14.30644321	0.028648466	5.06886816	0.001	0.001	5E-06	0.007049719	0.001344996	0.00996453	0.025548728	5E-06	21.36345482	1.77739E-05	0.000298144	0.000331638
2093 Jan	62.07984161	0.059631955	0.012846301	0.001	14.30751705	0.028649453	5.069270611	0.001	0.001	5E-06	0.007049786	0.001345053	0.009964515	0.025550494	5E-06	21.36489868	1.77738E-05	0.000298157	0.000331667
2093 Feb	62.08588791	0.059636969	0.012848193	0.001	14.30915737	0.02864881	5.069817543	0.001	0.001	5E-06	0.007049701	0.00134516	0.00996429	0.025553951	5E-06	21.36755943	1.7774E-05	0.000298187	0.000331731
2093 Mar	62.08919144	0.059639707	0.012849225	0.001	14.31005383	0.028648458	5.07011652	0.001	0.001	5E-06	0.007049655	0.001345218	0.009964166	0.02555584	5E-06	21.36901283	1.77741E-05	0.000298203	0.000331766
2093 Apr	62.0910759	0.059641268	0.012849813	0.001	14.31056499	0.028648259	5.070286274	0.001	0.001	5E-06	0.007049628	0.001345252	0.009964096	0.025556916	5E-06	21.36984062	1.77741E-05	0.000298212	0.000331786
2093 May	63.39793015	0.060051076	0.013316233	0.001	14.63351631	0.028232582	5.171823025	0.001	0.001	5E-06	0.007031884	0.00136809	0.00989224	0.026321499	5E-06	21.94439697	1.79412E-05	0.000305355	0.000346748
2093 Jun	66.877388	0.058635045	0.014773483	0.001	15.37529564	0.026093911	5.380180359	0.001	0.001	5E-06	0.00698723	0.001427699	0.009615303	0.028421424	5E-06	23.47204781	1.88766E-05	0.00032715	0.000390823
2093 Jul	65.5614624	0.056536343	0.014428678	0.001	15.00797272	0.026124205	5.256445408	0.001	0.001	5E-06	0.006963001	0.001408445	0.009589477	0.027760155	5E-06	22.92694855	1.87537E-05	0.000320391	0.000379032
2093 Aug	64.84841919	0.055645034	0.014199557	0.001	14.8506422	0.026491819	5.207730293	0.001	0.001	5E-06	0.006916185	0.001400187	0.009594488	0.027414652	5E-06	22.65036201	1.84056E-05	0.000315761	0.000371905
2093 Sep	64.24516296	0.05723574	0.013849483	0.001	14.75830936	0.027192125	5.193153381	0.001	0.001	5E-06	0.006952928	0.001388367	0.00968635	0.026993142	5E-06	22.36828423	1.81894E-05	0.000311197	0.000362165
2093 Oct	62.83610916	0.062821761	0.012925575	0.001	14.56187153	0.029022863	5.182362556	0.001	0.001	5E-06	0.007110762	0.001358944	0.00988696	0.025958672	5E-06	21.68035889	1.78562E-05	0.000299482	0.000337808
2093 Nov	62.21796417	0.065302014	0.012518162	0.001	14.47643852	0.029832792	5.178089142	0.001	0.001	5E-06	0.007180702	0.001346003	0.009975831	0.025503621	5E-06	21.37817383	1.77094E-05	0.000294327	0.000327078
2093 Dec	62.21144867	0.06532833	0.012513855	0.001	14.47554302	0.029841369	5.178046703	0.001	0.001	5E-06	0.007181444	0.001345866	0.009976773	0.025498815	5E-06	21.37498665	1.77078E-05	0.000294272	0.000326965
2094 Jan	62.21617126	0.065339446	0.012514815	0.001	14.47702408	0.029842675	5.178598404	0.001	0.001	5E-06	0.007181523	0.001345945	0.009976761	0.025501268	5E-06	21.37699127	1.77076E-05	0.00029429	0.000327005
2094 Feb	62.22460938	0.065346196	0.012517466	0.001	14.47931004	0.029841742	5.179357052	0.001	0.001	5E-06	0.007181397	0.001346095	0.00997645	0.025506096	5E-06	21.38070679	1.77078E-05	0.000294332	0.000327094
2094 Mar	62.2292099	0.065349877	0.012518912	0.001	14.48055553	0.029841235	5.179771423	0.001	0.001	5E-06	0.007181328	0.001346176	0.00997628	0.025508728	5E-06	21.38273239	1.77079E-05	0.000294354	0.000327143
2094 Apr	62.2318306	0.065351985	0.012519736	0.001	14.48126602	0.029840944	5.180006981	0.001	0.001	5E-06	0.007181288	0.001346223	0.009976184	0.025510227	5E-06	21.38388634	1.7708E-05	0.000294367	0.000327171
2094 May	64.35271454	0.065760262	0.013292956	0.001	15.00021553	0.029118676	5.340502262	0.001	0.001	5E-06	0.007145441	0.001383336	0.009861317	0.026755756	5E-06	22.3185997	1.79751E-05	0.00030617	0.00035169
2094 Jun	67.74285126	0.064935632	0.014650609	0.001	15.76653671	0.027409406	5.562490463	0.001	0.001	5E-06	0.007082907	0.001442141	0.009636205	0.02878336	5E-06	23.81392288	1.86412E-05	0.000326598	0.000393209

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Jul	66.89203644	0.063471183	0.014433687	0.001	15.52869797	0.027423838	5.481822491	0.001	0.001	5E-06	0.00706208	0.001429992	0.00961672	0.028362164	5E-06	23.46447754	1.85463E-05	0.000322229	0.000385728
2094 Aug	66.49684143	0.062913947	0.014311506	0.001	15.43918705	0.027607178	5.453401566	0.001	0.001	5E-06	0.007035522	0.00142538	0.009618944	0.028171649	5E-06	23.31123543	1.83604E-05	0.000319732	0.000381857
2094 Sep	65.78617859	0.064681634	0.013910883	0.001	15.32248402	0.028363813	5.432900429	0.001	0.001	5E-06	0.007081924	0.001411399	0.009717291	0.027680011	5E-06	22.97819138	1.81496E-05	0.000314485	0.000370673
2094 Oct	64.8025589	0.067890577	0.013314081	0.001	15.16765118	0.029480925	5.413683414	0.001	0.001	5E-06	0.007176695	0.001391288	0.009845775	0.026979674	5E-06	22.50502777	1.79369E-05	0.000306803	0.000354575
2094 Nov	63.80060196	0.071157418	0.012706295	0.001	15.00983524	0.030618059	5.394038677	0.001	0.001	5E-06	0.007273249	0.001370794	0.0099768	0.026266159	5E-06	22.02298927	1.77205E-05	0.000298983	0.000338177
2094 Dec	63.73778915	0.071362138	0.012668198	0.001	14.99993801	0.030689316	5.392804623	0.001	0.001	5E-06	0.007279302	0.001369508	0.009985019	0.026221424	5E-06	21.99276733	1.7707E-05	0.000298493	0.000337149
2095 Jan	63.74319458	0.071374141	0.012669344	0.001	15.00161839	0.03069067	5.393424034	0.001	0.001	5E-06	0.007279373	0.001369599	0.009985002	0.026224252	5E-06	21.99507141	1.77068E-05	0.000298514	0.000337195
2095 Feb	63.75320816	0.071381569	0.01267253	0.001	15.00431728	0.030689437	5.394315243	0.001	0.001	5E-06	0.007279208	0.001369777	0.009984626	0.026229996	5E-06	21.99948502	1.7707E-05	0.000298563	0.000337302
2095 Mar	63.75867081	0.071385629	0.01267427	0.001	15.00579071	0.030688766	5.394802094	0.001	0.001	5E-06	0.007279119	0.001369874	0.009984421	0.026233135	5E-06	22.0018959	1.77072E-05	0.000298591	0.000337361
2095 Apr	63.76178741	0.071387932	0.01267526	0.001	15.00662899	0.030688385	5.395079136	0.001	0.001	5E-06	0.007279068	0.001369929	0.009984303	0.026234921	5E-06	22.0032692	1.77072E-05	0.000298606	0.000337394
2095 May	65.84840393	0.071355142	0.0134663	0.001	15.50584984	0.029874943	5.545442104	0.001	0.001	5E-06	0.007234382	0.001406658	0.009865064	0.027473042	5E-06	22.92694664	1.7984E-05	0.000310547	0.000362071
2095 Jun	68.38445282	0.070252948	0.014512653	0.001	16.07058144	0.028515952	5.70459938	0.001	0.001	5E-06	0.007172563	0.001451103	0.009692962	0.029005261	5E-06	24.052248	1.84656E-05	0.000326118	0.000393678
2095 Jul	67.63220978	0.068882771	0.014318198	0.001	15.87292004	0.028630596	5.639799118	0.001	0.001	5E-06	0.007135391	0.001442149	0.009659548	0.02866007	5E-06	23.75746155	1.82726E-05	0.00032176	0.000387314
2095 Aug	66.12825012	0.066692688	0.013852951	0.001	15.53161049	0.029323844	5.527367592	0.001	0.001	5E-06	0.007033285	0.001423303	0.009705147	0.027908461	5E-06	23.16731644	1.75557E-05	0.000312686	0.000372082
2095 Sep	65.20374298	0.066284411	0.013486535	0.001	15.35000134	0.030009897	5.465921879	0.001	0.001	5E-06	0.006991721	0.001407485	0.00985596	0.027337324	5E-06	22.77418518	1.70477E-05	0.000307466	0.000359828
2095 Oct	64.9440155	0.067091376	0.013332811	0.001	15.30661201	0.030283254	5.459578514	0.001	0.001	5E-06	0.007017471	0.001402105	0.009888561	0.027152844	5E-06	22.64877892	1.7004E-05	0.000305499	0.000355648
2095 Nov	64.37780762	0.068858676	0.012997248	0.001	15.21205235	0.030879611	5.44581604	0.001	0.001	5E-06	0.007073982	0.001390358	0.009959704	0.026750304	5E-06	22.37520409	1.69101E-05	0.00030121	0.000346526
2095 Dec	64.29657745	0.069112957	0.012949069	0.001	15.19849014	0.030965205	5.443848133	0.001	0.001	5E-06	0.007082123	0.001388671	0.009969917	0.026692521	5E-06	22.33593941	1.68967E-05	0.000300594	0.000345217
2096 Jan	64.30253601	0.069126561	0.012950317	0.001	15.20032883	0.03096661	5.444528103	0.001	0.001	5E-06	0.007082234	0.001388769	0.009969899	0.026695607	5E-06	22.33845711	1.68966E-05	0.000300618	0.000345267
2096 Feb	64.31385803	0.06913504	0.012953923	0.001	15.203372	0.03096514	5.445532322	0.001	0.001	5E-06	0.007082063	0.001388969	0.009969472	0.026702095	5E-06	22.34344101	1.6897E-05	0.000300674	0.000345388
2096 Mar	64.31999969	0.069139652	0.01295588	0.001	15.20502281	0.030964343	5.446077824	0.001	0.001	5E-06	0.007081971	0.001389078	0.009969239	0.026705615	5E-06	22.34614563	1.68972E-05	0.000300705	0.000345454
2096 Apr	64.32341766	0.069142208	0.012956969	0.001	15.2059412	0.0309639	5.446381092	0.001	0.001	5E-06	0.007081919	0.001389138	0.00996911	0.026707577	5E-06	22.34765053	1.68973E-05	0.000300722	0.00034549
2096 May	65.42441559	0.06915196	0.013375416	0.001	15.46587467	0.030506363	5.524492264	0.001	0.001	5E-06	0.007063568	0.001408221	0.00990505	0.027357465	5E-06	22.83220673	1.70749E-05	0.000307098	0.000358522
2096 Jun	64.39567566	0.059493568	0.013787681	0.001	14.79674244	0.027199332	5.219447136	0.001	0.001	5E-06	0.007061877	0.001385735	0.009698302	0.026974121	5E-06	22.37707901	1.85747E-05	0.000311743	0.000361541
2096 Jul	62.54505539	0.056239888	0.013342739	0.001	14.23744202	0.026884589	5.021464348	0.001	0.001	5E-06	0.007062152	0.001354612	0.009694094	0.025993038	5E-06	21.58108711	1.86776E-05	0.000303789	0.000344969
2096 Aug	62.17569733	0.05587225	0.013210076	0.001	14.16368008	0.027143214	4.996977806	0.001	0.001	5E-06	0.007035575	0.001349444	0.009732267	0.02578949	5E-06	21.43303871	1.84508E-05	0.000301543	0.000340606
2096 Sep	61.33849335	0.058071438	0.012719728	0.001	14.04106903	0.028161447	4.978075504	0.001	0.001	5E-06	0.007080428	0.001333093	0.00987089	0.025201231	5E-06	21.04315376	1.81057E-05	0.000295181	0.000326896
2096 Oct	60.10277939	0.063608289	0.011863004	0.001	13.88714981	0.029932469	4.979737759	0.001	0.001	5E-06	0.00723111	0.001306838	0.010063345	0.024271151	5E-06	20.43343163	1.77794E-05	0.000284459	0.000304599
2096 Nov	59.82354355	0.064904265	0.011666193	0.001	13.85362053	0.030343978	4.980896473	0.001	0.001	5E-06	0.007266053	0.001300878	0.010107793	0.024059493	5E-06	20.29521942	1.77036E-05	0.000282004	0.000299498
2096 Dec	59.82033157	0.064919353	0.011663914	0.001	13.85324001	0.030348759	4.980912685	0.001	0.001	5E-06	0.00726646	0.00130081	0.010108309	0.024057051	5E-06	20.29362679	1.77027E-05	0.000281975	0.000299439
2097 Jan	59.824646	0.064928688	0.011664848	0.001	13.8545723	0.030349759	4.981403351	0.001	0.001	5E-06	0.007266513	0.001300882	0.010108283	0.02405932	5E-06	20.29546928	1.77026E-05	0.000281993	0.000299477
2097 Feb	59.83194733	0.064934351	0.011667156	0.001	13.8565464	0.030348914	4.982057095	0.001	0.001	5E-06	0.007266399	0.001301012	0.01010801	0.024063503	5E-06	20.29868317	1.77028E-05	0.000282029	0.000299554
2097 Mar	59.83593369	0.064937435	0.011668416	0.001	13.8576231	0.030348452	4.982414246	0.001	0.001	5E-06	0.007266337	0.001301083	0.010107861	0.024065791	5E-06	20.30044174	1.77029E-05	0.000282048	0.000299597
2097 Apr	59.83821106	0.064939201	0.011669135	0.001	13.85823822	0.030348189	4.982618332	0.001	0.001	5E-06	0.007266301	0.001301123	0.010107777	0.024067093	5E-06	20.30144501	1.77029E-05	0.000282059	0.000299621
2097 May	60.98680878	0.065137073	0.012088737	0.001	14.139781	0.029960673	5.069583893	0.001	0.001	5E-06	0.007245159	0.00132131	0.010045606	0.024743024	5E-06	20.80855751	1.78398E-05	0.000288444	0.000312918
2097 Jun	64.20724487	0.063540041	0.013440398	0.001	14.84012127	0.028091088	5.264347553	0.001	0.001	5E-06	0.007174893	0.001377376	0.009811455	0.026693877	5E-06	22.23412323	1.85485E-05	0.000308542	0.000353563
2097 Jul	63.31770706	0.061878461	0.013221035	0.001	14.59181023	0.028105922	5.18006134	0.001	0.001	5E-06	0.007145731	0.001365308	0.009782117	0.026266266	5E-06	21.87417221	1.8425E-05	0.000303897	0.000345997
2097 Aug	62.68534851	0.06093384	0.013024931	0.001	14.4527235	0.028432818	5.135569096	0.001	0.001	5E-06	0.007096126	0.001358195	0.00979052	0.025963627	5E-06	21.63206673	1.80862E-05	0.000299853	0.000339756
2097 Sep	62.4021225	0.061266031	0.012882389	0.001	14.4070034	0.028734317	5.124013424	0.001	0.001	5E-06	0.007095474	0.001353047	0.009840894	0.025775289	5E-06	21.50646973	1.79317E-05	0.000297937	0.000335466
2097 Oct	61.94408035	0.063230254	0.012570953	0.001	14.34762955	0.029369785	5.123063564	0.001	0.001	5E-06	0.007149453	0.001343346	0.009911267	0.025432864	5E-06	21.28120804	1.78137E-05	0.000294033	0.000327309
2097 Nov	61.70576859	0.064256474	0.012408624	0.001	14.31683445	0.029701296	5.122632027	0.001	0.001	5E-06	0.00717765	0.001338294	0.009947991	0.025254529	5E-06	21.16394806	1.77523E-05	0.000292	0.000323059
2097 Dec	61.66769409	0.064420886	0.01238266	0.001	14.31192589	0.029754352	5.122570038	0.001	0.001	5E-06	0.007182166	0.001337486	0.00995387	0.025226019	5E-06	21.14520836	1.77425E-05	0.000291675	0.000322379
2098 Jan	61.67482376	0.064436682	0.012384173	0.001	14.31413651	0.029756106	5.123385429	0.001	0.001	5E-06	0.007182262	0.001337605	0.009953843	0.025229746	5E-06	21.14824486	1.77422E-05	0.000291703	0.00032244
2098 Feb	61.68712997	0.064446308	0.012388057	0.001	14.31746578	0.0297547	5.124488354	0.001	0.001	5E-06	0.007182072	0.001337823	0.009953391	0.025236793	5E-06	21.15366364	1.77425E-05	0.000291763	0.000322571
2098 Mar	61.69385147	0.06445156	0.012390178	0.001	14.31928349	0.029753933	5.125091076	0.001	0.001	5E-06	0.007181968	0.001337942	0.009953143	0.025240641	5E-06	21.15662575	1.77427E-05	0.000291797	0.000322642
2098 Apr	61.89227676	0.064606622	0.012452793	0.001	14.37296009	0.02973127	5.142879963	0.001	0.001	5E-06	0.007178897	0.00134146	0.009945836	0.025354261	5E-06	21.24403	1.77478E-05	0.000292776	0.000324749
2098 May	65.62734985	0.065658703	0.013784442	0.001	15.30413818	0.028609624	5.434118748	0.001	0.001	5E-06	0.007113816	0.001406975	0.009758494	0.027537867	5E-06	22.89073181	1.81406E-05	0.000313189	0.000367304
2098 Jun	70.04380035	0.063766815	0.015615986	0.001	16.27225304	0.026116187	5.705224037	0.001	0.001	5E-06	0.007024591	0.001483262	0.009453597	0.030195126	5E-06	24.84022713	1.91029E-05	0.000340657	0.000422481
2098 Jul	69.10988617	0.062250532	0.015376554	0.001	16.00337601	0.026070295	5.61238718	0.001	0.001	5E-06	0.007015866	0.001468497	0.009448392	0.029709306	5E-06	24.44543648	1.90732E-05	0.000336225	0.000413979
2098 Aug	67.76144409	0.060943298	0.014902052	0.001	15.71954823	0.026893737	5.518465996	0.001	0.001	5E-06	0.006936174	0.001449013	0.009570508	0.028964939	5E-06	23.89781189	1.83647E-05	0.000328224	0.000398358
2098 Sep	65.89257813	0.063663438	0.013962684	0.001	15.38756466	0.028638251	5.439224243	0.001	0.001	5E-06	0.006989408	0.001414073	0.00983327	0.027726736	5E-06	23.05057144	1.76747E-05	0.000315544	0.000370788
2098 Oct	64.41812897	0.068326704	0.013082229	0.001	15.14743137	0.03024265	5.406942368	0.001	0.001	5E-06	0.007132559	0.001384023	0.010013931	0.026685053	5E-06	22.34192276	1.73937E-05	0.000304148	0.000347017
2098 Nov	63.90250397	0.069971561	0.012773495	0.001	15.0636301	0.030805448	5.395830154	0.001	0.001	5E-06	0.007183132	0.001373499	0.010077124	0.026320331	5E-06	22.09388161	1.72965E-05	0.000300155	0.00033869
2098 Dec	63.8945694	0.06999696	0.012768738	0.001	15.06234264	0.030814117	5.3956604	0.001	0.001	5E-06	0.007183913	0.001373337	0.010078096	0.026314715	5E-06	22.0900631	1.7295E-05	0.000300093	0.000338561
2099 Jan	63.8989296	0.070007093	0.012769638	0.001	15.06370163	0.030815251	5.396165848	0.001	0.001	5E-06	0.007183989	0.00137341	0.010078073	0.026316985	5E-06	22.09191322	1.72949E-05	0.00030011	0.000338599
2099 Feb	63.90710831	0.070013322	0.012772233	0.001	15.06590557	0.030814243	5.396895409	0.001	0.001	5E-06	0.007183862	0.001373555	0.01007776	0.026321679	5E-06	22.09551811	1.72951E-05	0.000300151	0.000338686
2099 Mar	63.91159439	0.070016734	0.012773657	0.001	15.06711578	0.030813696	5.397295475	0.001	0.001	5E-06	0.007183793	0.001373635	0.010077587	0.026324254	5E-06	22.09749413	1.72953E-05	0.000300173	0.000338734
2099 Apr	64.25128174	0.070274472	0.012881547	0.001	15.15863609	0.030771695	5.427584648	0.001	0.001	5E-06	0.007178531	0.001379663	0.010064526	0.026519179	5E-06	22.24718094	1.73055E-05	0.000301855	0.000342358
2099 May	73.07955933	0.073947102	0.015934233	0.001	17.40958214	0.028558435	6.145330429	0.001	0.001	5E-06	0.007028774	0.001535648	0.009634194	0.031666476	5E-06	26.14246178	1.80492E-05	0.000348649	0.000441397
2099 Jun	73.80120087	0.071532257	0.016406884	0.001	17.47914696	0.027371842	6.141738415	0.001	0.001	5E-06	0.007004731	0.001547781	0.009517465	0.032160312	5E-06	26.46546936	1.85367E-05	0.000355239	0.000453839
2099 Jul	72.64514923	0.06963291	0.016106226	0.001	17.15718079	0.027403452	6.032884121	0.001	0.001	5E-06	0.006979855	0.001531012	0.009495541	0.031581771	5E-06	25.98828316	1.84135E-05	0.000349301	0.000443516
2099 Aug	71.66043091	0.068639636	0.015766935	0.001	16.94070435	0.027928319	5.959283829	0.001	0.001	5E-06	0.006930415	0.001515841	0.00959204	0.031025752	5E-06	25.58130455	1.79601E-05	0.000343792	0.00043208
2099 Sep	70.06160736	0.069196992	0.015084271	0.001	16.61462021	0.029036008	5.862803936	0.001	0.001	5E-06	0.006932833	0.00148724	0.00978932	0.030023688	5E-06	24.87639809	1.73948E-05	0.000334148	0.000410763
2099 Oct	68.84544373	0.07187961	0.014443135	0.001	16.38246346	0.03005245	5.815536976	0.001	0.001	5E-06	0.007029264	0.001463197	0.009909025	0.029205	5E-06	24.3029995	1.723E-05	0.000325592	0.000392854
2099 Nov	68.21710205	0.07327237	0.014111517	0.001	16.26255798	0.030578081	5.791186333	0.001	0.001	5E-06	0.007079379	0.001450765	0.009970837	0.028781798	5E-06	24.00661659	1.71456E-05	0.000321168	0.000383595
2099 Dec	68.20938873	0.073289499	0.014107446	0.001	16.26108551	0.030584531	5.790888309	0.001	0.001	5E-06	0.007079995	0.001450613	0.009971596	0.028776605	5E-06	24.00297928	1.71446E-05	0.000321114	0.000383481
2100 Jan	68.21276855	0.073298424	0.014108075	0.001	16.26216316	0.030585611	5.791296959	0.001	0.001	5E-06	0.007080083	0.001450669	0.009971589	0.028778335	5E-06	24.00440407	1.71445E-05	0.000321126	0.000383509
2100 Feb	68.22026825	0.073304005	0.014110463	0.001	16.26417351	0.030584633	5.791962147	0.001	0.001	5E-06	0.007079968	0.001450802	0.009971294	0.028782638	5E-06	24.00770378	1.71448E-05	0.000321164	0.000383589
2100 Mar	68.22434998	0.073307052	0.014111768	0.001	16.26527405	0.030584102	5.79232502	0.001	0.001	5E-06	0.007079906	0.001450874	0.009971132	0.028784985	5E-06	24.00950432	1.71449E-05	0.000321184	0.000383633
2100 Apr	68.22667694	0.073308788	0.014112509	0.001	16.26589966	0.030583797	5.792531967	0.001	0.001	5E-06	0.00707987	0.001450915	0.009971039	0.028786324	5E-06	24.01053047	1.7145E-05	0.000321195	0.000383657
2100 May	70.61963654	0.072914168	0.015056957	0.001	16.8143177	0.02944272	5.954395294	0.001	0.001	5E-06	0.007036474	0.00149285	0.009806594	0.030220812	5E-06	25.06789017	1.75896E-05	0.000335315	0.000412837
2100 Jun	72.29582977	0.068081528	0.016097223	0.001	17.00159836	0.026915114	5.962050915	0.001	0.001	5E-06	0.006991284	0.001521146	0.009545076	0.031351242	5E-06	25.814991	1.86552E-05	0.000349875	0.000440741
2100 Jul	70.37187195	0.064958543	0.01561185	0.001	16.43437004	0.026710909	5.764211178	0.001	0.001	5E-06	0.006988701	0.00148935	0.009542237	0.030332154	5E-06	24.99068451	1.86965E-05	0.000341187	0.000423176
2100 Aug	68.46633911	0.062912129	0.01497029	0.001	16.01234627	0.027694518	5.624929428	0.001	0.001	5E-06	0.006887609	0.00146215	0.009671194	0.029303489	5E-06	24.21675301	1.78264E-05	0.000330018	0.000402062
2100 Sep	67.30534363	0.062680982	0.014502876	0.001	15.77807045	0.02850851	5.549462795	0.001	0.001	5E-06	0.006855424	0.001442147	0.00983499	0.028588742	5E-06	23.71755409	1.72864E-05	0.000323299	0.000386839
2100 Oct	66.95867157	0.063605726	0.014308995	0.001	15.71591949	0.028834904	5.538651466	0.001	0.001	5E-06	0.006886577	0.001435183	0.009871929	0.028350145	5E-06	23.55238533	1.72354E-05	0.000320748	0.000381522
2100 Nov	66.88102722	0.063813783	0.014265512	0.001	15.70202065	0.02890818	5.536244392	0.001	0.001	5E-06	0.006893581	0.001433622	0.009880215	0.028296679	5E-06	23.51538467	1.7224E-05	0.000320177	0.000380331
2100 Dec	66.87613678	0.063826941	0.014262766	0.001	15.70114517	0.028912807	5.536092758	0.001	0.001	5E-06	0.006894024	0.001433524	0.009880737	0.028293306	5E-06	23.51305008	1.72233E-05	0.000320141	0.000380255
2101 Jan	66.87887573	0.063834935	0.014263223	0.001	15.70203686	0.028913859	5.536437035	0.001	0.001	5E-06	0.006894112	0.001433568	0.009880745	0.028294684	5E-06	23.5141964	1.72232E-05	0.00032015	0.000380277
2101 Feb	66.88480377	0.063839823	0.014265079	0.001	15.70363903	0.028913192	5.536970615	0.001	0.001	5E-06	0.006894032	0.001433673	0.009880519	0.028298071	5E-06	23.51679993	1.72234E-05	0.000320179	0.000380339
2101 Mar	66.88803101	0.063842483	0.014266094	0.001	15.70451641	0.028912829	5.537261963	0.001	0.001	5E-06	0.006893988	0.00143373	0.009880396	0.02829992	5E-06	23.51822472	1.72235E-05	0.000320195	0.000380374
2101 Apr	66.8963623	0.063849345	0.014268704	0.001	15.70676804	0.02891189	5.538012981	0.001	0.001	5E-06	0.006893876	0.001433878	0.009880078	0.028304685	5E-06	23.52188683	1.72237E-05	0.000320236	0.000380462
2101 May	69.30004883	0.064296335	0.015157291	0.001	16.28081131	0.027975067	5.715332985	0.001	0.001	5E-06	0.00686748	0.001475516	0.009731328	0.02971858	5E-06	24.57592773	1.76341E-05	0.000333797	0.000408624

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jun	70.92978668	0.062503837	0.015945099	0.001	16.56464005	0.026421444	5.781494617	0.001	0.001	5E-06	0.00685895	0.001502475	0.009551588	0.030730538	5E-06	25.28581238	1.83747E-05	0.000345414	0.000431407
2101 Jul	70.24562836	0.061457749	0.015768994	0.001	16.36318398	0.026352208	5.71166563	0.001	0.001	5E-06	0.006861025	0.001491034	0.009551134	0.030365247	5E-06	24.99117088	1.83983E-05	0.00034231	0.000425091
2101 Aug	69.83956909	0.061052132	0.015630959	0.001	16.27355957	0.026564708	5.682691574	0.001	0.001	5E-06	0.006840499	0.001485338	0.009574869	0.030147962	5E-06	24.82655144	1.8216E-05	0.000339875	0.00042062
2101 Sep	68.42720032	0.062133245	0.014986194	0.001	16.00154114	0.027688175	5.60780859	0.001	0.001	5E-06	0.006854731	0.001459771	0.009759316	0.029244779	5E-06	24.19841576	1.76925E-05	0.000330911	0.000401007
2101 Oct	67.82756805	0.063772246	0.014647837	0.001	15.89550114	0.028265605	5.590011597	0.001	0.001	5E-06	0.006908974	0.001447753	0.009823446	0.028831569	5E-06	23.91272926	1.75998E-05	0.000326456	0.000391764
2101 Nov	66.97692108	0.066113479	0.014166757	0.001	15.74542904	0.029088074	5.565020561	0.001	0.001	5E-06	0.006986341	0.001430692	0.009914614	0.028244883	5E-06	23.50725937	1.74682E-05	0.000320123	0.000378631
2101 Dec	66.82279205	0.066539705	0.014079455	0.001	15.7182827	0.029237514	5.56052494	0.001	0.001	5E-06	0.007000411	0.0014276	0.009931158	0.02813852	5E-06	23.43377113	1.74443E-05	0.000318975	0.000376249
2102 Jan	66.82789612	0.066554122	0.014080336	0.001	15.71993542	0.029239384	5.561159611	0.001	0.001	5E-06	0.007000561	0.001427683	0.009931158	0.028141109	5E-06	23.43591309	1.74441E-05	0.000318993	0.00037629
2102 Feb	66.83866882	0.066562951	0.014083715	0.001	15.7228508	0.029238176	5.562130451	0.001	0.001	5E-06	0.007000413	0.001427874	0.009930744	0.028147275	5E-06	23.44065094	1.74445E-05	0.000319045	0.000376404
2102 Mar	66.84451294	0.066567741	0.014085551	0.001	15.7244339	0.029237518	5.562657833	0.001	0.001	5E-06	0.007000332	0.001427978	0.009930518	0.028150624	5E-06	23.44322777	1.74446E-05	0.000319074	0.000376466
2102 Apr	66.84786987	0.0665704 83	0.0140866	0.001	15.72534084	0.029237142	5.562959671	0.001	0.001	5E-06	0.007000286	0.001428037	0.00993039	0.028152538	5E-06	23.44469833	1.74447E-05	0.000319091	0.000376502
2102 May	66.85224152	0.066571899	0.014088163	0.001	15.72642136	0.029235739	5.563300133	0.001	0.001	5E-06	0.007000229	0.001428114	0.009930141	0.028155105	5E-06	23.44662476	1.74453E-05	0.000319114	0.000376552
2102 Jun	58.91431046	0.052496221	0.012252245	0.001	13.2188797	0.026988525	4.661168575	0.001	0.001	5E-06	0.0071197	0.001284305	0.009958496	0.023817288	5E-06	19.94965553	1.87005E-05	0.000288434	0.00030544
2102 Jul	54.97826004	0.045527223	0.011323931	0.001	12.00751019	0.026137093	4.231053829	0.001	0.001	5E-06	0.007141926	0.001216799	0.009939833	0.021720432	5E-06	18.24486351	1.90802E-05	0.00027201	0.000270502
2102 Aug	54.45169449	0.045102324	0.011115682	0.001	11.92229557	0.026673265	4.204913139	0.001	0.001	5E-06	0.007086938	0.001210563	0.010001892	0.021438265	5E-06	18.04355049	1.86192E-05	0.000268334	0.000263968
2102 Sep	54.09604263	0.046128411	0.010879977	0.001	11.89766788	0.02733746	4.20589447	0.001	0.001	5E-06	0.007081539	0.001204181	0.010100543	0.021178542	5E-06	17.88597107	1.82732E-05	0.000265299	0.000257306
2102 Oct	53.70526123	0.050748236	0.010402974	0.001	11.93011284	0.02862897	4.257447243	0.001	0.001	5E-06	0.007185121	0.001194378	0.010218393	0.020793749	5E-06	17.66710854	1.80287E-05	0.000259743	0.000246319
2102 Nov	53.67908096	0.051077258	0.010369622	0.001	11.9328289	0.028720383	4.261241913	0.001	0.001	5E-06	0.007192454	0.001193709	0.010226695	0.020767329	5E-06	17.65225983	1.80114E-05	0.000259356	0.000245556
2102 Dec	53.67776108	0.051094152	0.010367917	0.001	11.93297291	0.028725067	4.26143837	0.001	0.001	5E-06	0.007192829	0.001193675	0.01022712	0.020765986	5E-06	17.65150833	1.80105E-05	0.000259337	0.000245517
2103 Jan	53.68246078	0.051104337	0.010368934	0.001	11.93442726	0.028726185	4.261975288	0.001	0.001	5E-06	0.007192885	0.001193755	0.010227076	0.020768471	5E-06	17.65351677	1.80103E-05	0.000259355	0.000245558
2103 Feb	53.68942642	0.051110361	0.010371091	0.001	11.93632984	0.028725546	4.262611389	0.001	0.001	5E-06	0.007192786	0.001193879	0.010226822	0.020772452	5E-06	17.65658569	1.80105E-05	0.000259389	0.000245631
2103 Mar	53.69322968	0.051113646	0.010372269	0.001	11.93736839	0.028725198	4.262958527	0.001	0.001	5E-06	0.007192732	0.001193946	0.010226684	0.020774622	5E-06	17.65825844	1.80105E-05	0.000259407	0.000245671
2103 Apr	53.69539642	0.05111552	0.010372939	0.001	11.93795967	0.028724998	4.263156414	0.001	0.001	5E-06	0.007192702	0.001193985	0.010226605	0.02077586	5E-06	17.65921211	1.80106E-05	0.000259418	0.000245694
2103 May	56.79207993	0.052675687	0.011427407	0.001	12.73138046	0.02798591	4.518627644	0.001	0.001	5E-06	0.007149511	0.001248466	0.010075128	0.022573911	5E-06	19.02173615	1.82881E-05	0.000275666	0.000280172
2103 Jun	62.5791626	0.053483784	0.013578075	0.001	14.11649418	0.025750589	4.944711685	0.001	0.001	5E-06	0.007069125	0.001349427	0.009719544	0.025989998	5E-06	21.56751251	1.92066E-05	0.000308315	0.000348165
2103 Jul	60.87870789	0.050676666	0.013135169	0.001	13.6474905	0.02583375	4.787895203	0.001	0.001	5E-06	0.007026024	0.001325711	0.009672558	0.025155205	5E-06	20.8723793	1.89889E-05	0.000299304	0.000333194
2103 Aug	58.5678215	0.047367539	0.012419732	0.001	13.14815617	0.027096838	4.642018318	0.001	0.001	5E-06	0.0068361	0.001304819	0.009577765	0.024148982	5E-06	20.01807404	1.77162E-05	0.000282917	0.00031213
2103 Sep	57.98526764	0.050507177	0.011961822	0.001	13.107337	0.028208353	4.655595779	0.001	0.001	5E-06	0.006900536	0.001291942	0.009721688	0.023675824	5E-06	19.72804642	1.74034E-05	0.000277468	0.00030015
2103 Oct	57.21765518	0.056677777	0.011236431	0.001	13.08132553	0.02994293	4.700162411	0.001	0.001	5E-06	0.007056803	0.001272911	0.009913551	0.022990789	5E-06	19.31521606	1.71236E-05	0.000269143	0.000282316
2103 Nov	57.00746918	0.05840433	0.011035318	0.001	13.07492352	0.030424656	4.712841034	0.001	0.001	5E-06	0.007100695	0.001267639	0.009967238	0.022801427	5E-06	19.20152473	1.70476E-05	0.000266849	0.000277377
2103 Dec	57.00476837	0.058426678	0.011032725	0.001	13.07484531	0.030430874	4.71300602	0.001	0.001	5E-06	0.007101264	0.001267571	0.009967932	0.022798987	5E-06	19.20005989	1.70467E-05	0.000266819	0.000277314
2104 Jan	57.01024246	0.058438536	0.011033914	0.001	13.07652283	0.030432044	4.713620186	0.001	0.001	5E-06	0.007101348	0.001267661	0.009967921	0.022801835	5E-06	19.20238113	1.70466E-05	0.000266841	0.000277361
2104 Feb	57.01883698	0.058445714	0.011036595	0.001	13.07885265	0.030431122	4.714395046	0.001	0.001	5E-06	0.007101232	0.001267812	0.009967623	0.022806728	5E-06	19.20615578	1.70468E-05	0.000266884	0.000277451
2104 Mar	57.02347183	0.058449589	0.011038044	0.001	13.08011055	0.030430624	4.714813232	0.001	0.001	5E-06	0.00710117	0.001267894	0.009967462	0.022809369	5E-06	19.20819283	1.7047E-05	0.000266907	0.0002775
2104 Apr	57.02606201	0.058451753	0.011038852	0.001	13.08081341	0.030430347	4.715046406	0.001	0.001	5E-06	0.007101135	0.001267939	0.009967374	0.022810843	5E-06	19.20933151	1.7047E-05	0.000266919	0.000277528
2104 May	61.26433945	0.060061514	0.012526302	0.001	14.13758087	0.029168282	5.046650887	0.001	0.001	5E-06	0.007049053	0.001340656	0.009775427	0.025255309	5E-06	21.06329918	1.7561E-05	0.000290213	0.000325116
2104 Jun	65.20973206	0.059597056	0.014077639	0.001	15.02807903	0.027180297	5.304401398	0.001	0.001	5E-06	0.00700451	0.001406527	0.009551689	0.027563335	5E-06	22.78211212	1.8428E-05	0.000314327	0.000372402
2104 Jul	63.99990463	0.057530168	0.013768434	0.001	14.68960476	0.027198911	5.189563751	0.001	0.001	5E-06	0.006976049	0.001389148	0.009525282	0.026962508	5E-06	22.28435898	1.82977E-05	0.000308134	0.000361732
2104 Aug	63.1019783	0.056527488	0.01345947	0.001	14.50380516	0.027769752	5.129444122	0.001	0.001	5E-06	0.006911743	0.001377492	0.009585578	0.026491614	5E-06	21.92977715	1.77803E-05	0.000302523	0.000351756
2104 Sep	62.08815384	0.057738487	0.012944741	0.001	14.34233475	0.028868634	5.087616444	0.001	0.001	5E-06	0.006908829	0.00135857	0.009782795	0.02580538	5E-06	21.47745705	1.72127E-05	0.000295783	0.000336108
2104 Oct	61.22302246	0.061950922	0.012324871	0.001	14.23692322	0.030135412	5.091067314	0.001	0.001	5E-06	0.007029197	0.001339214	0.00993002	0.025132589	5E-06	21.04128456	1.70225E-05	0.000288277	0.000319985
2104 Nov	60.97658157	0.06315434	0.012148125	0.001	14.20689297	0.030496305	5.092075348	0.001	0.001	5E-06	0.007063663	0.001333694	0.009971941	0.024940804	5E-06	20.91695404	1.69689E-05	0.000286138	0.00031539
2104 Dec	60.97354889	0.063169166	0.012145949	0.001	14.20652294	0.030500745	5.092088223	0.001	0.001	5E-06	0.007064088	0.001333626	0.009972457	0.024938444	5E-06	20.91542435	1.69682E-05	0.000286111	0.000315333
2105 Jan	60.97752762	0.063178234	0.012146786	0.001	14.20774937	0.030501666	5.092540741	0.001	0.001	5E-06	0.007064163	0.001333691	0.009972451	0.024940498	5E-06	20.91710472	1.69682E-05	0.000286127	0.000315367
2105 Feb	60.98431015	0.063183717	0.012148919	0.001	14.20958233	0.030500872	5.093148232	0.001	0.001	5E-06	0.007064071	0.00133381	0.009972208	0.024944369	5E-06	20.92008591	1.69684E-05	0.000286161	0.000315439
2105 Mar	60.98801422	0.063186705	0.012150082	0.001	14.21058178	0.030500442	5.09348011	0.001	0.001	5E-06	0.00706402	0.001333875	0.009972075	0.024946479	5E-06	20.92171097	1.69685E-05	0.000286179	0.000315478
2105 Apr	60.99011612	0.063188411	0.012150744	0.001	14.21115112	0.030500196	5.093668938	0.001	0.001	5E-06	0.007063991	0.001333912	0.009972	0.024947681	5E-06	20.92263603	1.69686E-05	0.000286189	0.0003155
2105 May	63.9994812	0.063958623	0.013238412	0.001	14.945261	0.029461304	5.320772171	0.001	0.001	5E-06	0.007025774	0.001385588	0.009819905	0.026696496	5E-06	22.2403183	1.73966E-05	0.000303074	0.000349961
2105 Jun	66.79268646	0.063590109	0.014340035	0.001	15.57577896	0.02805292	5.504106045	0.001	0.001	5E-06	0.006991609	0.001432752	0.009649665	0.028341439	5E-06	23.46081352	1.80039E-05	0.000320025	0.000383655
2105 Jul	65.67656708	0.0616735	0.014044211	0.001	15.28479004	0.028244168	5.409908295	0.001	0.001	5E-06	0.006939695	0.001419451	0.009598984	0.027827337	5E-06	23.02243423	1.77199E-05	0.000313462	0.000374111
2105 Aug	63.58940125	0.059056424	0.013362681	0.001	14.82731152	0.02935059	5.261024475	0.001	0.001	5E-06	0.006802549	0.001392534	0.009694472	0.026756257	5E-06	22.19729042	1.66696E-05	0.000300691	0.000352006
2105 Sep	61.92987823	0.061166298	0.012531746	0.001	14.54095078	0.03096737	5.186654568	0.001	0.001	5E-06	0.006827627	0.001360642	0.009986624	0.02563145	5E-06	21.44524956	1.5935E-05	0.000289896	0.000326859
2105 Oct	61.06741333	0.065001838	0.01194671	0.001	14.41684151	0.032064639	5.180603504	0.001	0.001	5E-06	0.006949957	0.001341151	0.010117416	0.024971109	5E-06	21.00959587	1.58313E-05	0.000282828	0.000311466
2105 Nov	60.7253952	0.066536382	0.011713953	0.001	14.36771488	0.032500777	5.178332329	0.001	0.001	5E-06	0.006999053	0.001333397	0.010169363	0.024708696	5E-06	20.83654976	1.57919E-05	0.000280021	0.000305347
2105 Dec	60.7211113	0.066555686	0.011711034	0.001	14.36710072	0.032506242	5.178304672	0.001	0.001	5E-06	0.006999672	0.0013333	0.010170014	0.024705406	5E-06	20.8343811	1.57914E-05	0.000279986	0.000305271
2106 Jan	60.72597122	0.066566177	0.011712115	0.001	14.36855984	0.032507028	5.178839207	0.001	0.001	5E-06	0.006999778	0.001333379	0.010169975	0.024707934	5E-06	20.83642769	1.57915E-05	0.000280006	0.000305313
2106 Feb	60.73427963	0.066572584	0.011714758	0.001	14.37078285	0.032505877	5.179574013	0.001	0.001	5E-06	0.006999671	0.001333525	0.010169659	0.02471268	5E-06	20.84007454	1.57919E-05	0.000280048	0.000305402
2106 Mar	60.73880768	0.066576071	0.0117162	0.001	14.37199593	0.032505251	5.179974556	0.001	0.001	5E-06	0.006999613	0.001333604	0.010169487	0.024715267	5E-06	20.8420639	1.57921E-05	0.000280071	0.00030545
2106 Apr	60.74139023	0.066578068	0.011717021	0.001	14.37268639	0.032504898	5.180202961	0.001	0.001	5E-06	0.006999579	0.00133365	0.01016939	0.024716742	5E-06	20.84319687	1.57922E-05	0.000280084	0.000305478
2106 May	61.82511139	0.06673564	0.0121208	0.001	14.62910938	0.032062273	5.258240223	0.001	0.001	5E-06	0.006988419	0.001352104	0.010108108	0.02534938	5E-06	21.31655502	1.59877E-05	0.000286333	0.000318139
2106 Jun	63.75173569	0.061332103	0.013332656	0.001	14.80454159	0.028831884	5.248562813	0.001	0.001	5E-06	0.006989955	0.001380252	0.009829462	0.026589146	5E-06	22.13909721	1.75441E-05	0.00030434	0.000349947
2106 Jul	61.58779144	0.057345383	0.012819945	0.001	14.15912914	0.028528983	5.022774696	0.001	0.001	5E-06	0.006969826	0.001346234	0.009789772	0.025484409	5E-06	21.22640419	1.75698E-05	0.000294477	0.000331224
2106 Aug	59.45747375	0.054326288	0.012151673	0.001	13.68905735	0.029621124	4.873125553	0.001	0.001	5E-06	0.00681278	0.001321697	0.009821016	0.024454385	5E-06	20.40511322	1.64678E-05	0.000280891	0.000310012
2106 Sep	58.11149979	0.055720869	0.011475645	0.001	13.47581005	0.031086726	4.81430006	0.001	0.001	5E-06	0.006798006	0.001296217	0.010106874	0.023534575	5E-06	19.80526161	1.56674E-05	0.000272213	0.000289059
2106 Oct	57.77580643	0.057890907	0.011201918	0.001	13.44269753	0.031653732	4.822255611	0.001	0.001	5E-06	0.006863271	0.001287956	0.010171182	0.023252606	5E-06	19.62681389	1.56242E-05	0.000269057	0.00028216
2106 Nov	57.76855087	0.057938684	0.011195944	0.001	13.44199848	0.031666145	4.822439671	0.001	0.001	5E-06	0.006864707	0.001287777	0.010172586	0.023246476	5E-06	19.62294197	1.56233E-05	0.000268988	0.00028201
2106 Dec	57.76684952	0.057949886	0.011194544	0.001	13.4418354	0.031669058	4.822482586	0.001	0.001	5E-06	0.006865044	0.001287735	0.010172916	0.023245042	5E-06	19.62203789	1.56231E-05	0.000268972	0.000281974
2107 Jan	57.76995087	0.057956703	0.011195227	0.001	13.4427681	0.031669568	4.822825432	0.001	0.001	5E-06	0.006865116	0.001287785	0.01017289	0.02324665	5E-06	19.62334061	1.56232E-05	0.000268985	0.000282001
2107 Feb	57.77494049	0.05796079	0.011196797	0.001	13.44410706	0.031668924	4.823269844	0.001	0.001	5E-06	0.006865059	0.001287872	0.010172705	0.02324949	5E-06	19.62552643	1.56234E-05	0.00026901	0.000282054
2107 Mar	57.77765274	0.057963021	0.011197653	0.001	13.44483757	0.031668577	4.823512554	0.001	0.001	5E-06	0.006865028	0.00128792	0.010172604	0.023251038	5E-06	19.62671852	1.56236E-05	0.000269023	0.000282083
2107 Apr	57.77920532	0.057964288	0.01119814	0.001	13.44525337	0.031668376	4.82365036	0.001	0.001	5E-06	0.00686501	0.001287947	0.010172546	0.023251919	5E-06	19.62739563	1.56236E-05	0.000269031	0.000282099
2107 May	59.6047821	0.058595546	0.011852187	0.001	13.88739014	0.03101466	4.961566925	0.001	0.001	5E-06	0.006853513	0.00131884	0.010076322	0.024306122	5E-06	20.42140961	1.59362E-05	0.000279283	0.000302931
2107 Jun	63.44152069	0.058469605	0.013359876	0.001	14.7353878	0.028936926	5.209717274	0.001	0.001	5E-06	0.006845359	0.001381967	0.009826161	0.026545977	5E-06	22.07967758	1.69763E-05	0.0003028	0.000349209
2107 Jul	62.00717545	0.055961534	0.01298904	0.001	14.35239124	0.029106384	5.085224628	0.001	0.001	5E-06	0.00678613	0.001364575	0.009751818	0.02588613	5E-06	21.51316071	1.66741E-05	0.000294519	0.000337174
2107 Aug	61.3285408	0.054986514	0.012781196	0.001	14.19872093	0.029420538	5.037177086	0.001	0.001	5E-06	0.006739141	0.001357041	0.009746332	0.025567003	5E-06	21.25253868	1.63523E-05	0.000290134	0.000330686
2107 Sep	60.90171051	0.056626949	0.012501169	0.001	14.14025211	0.029983876	5.03227663	0.001	0.001	5E-06	0.006784024	0.001347639	0.009825408	0.025242507	5E-06	21.04208374	1.62331E-05	0.000286764	0.00032307
2107 Oct	60.42482758	0.059217811	0.012145125	0.001	14.08261299	0.030691532	5.03601408	0.001	0.001	5E-06	0.006863555	0.001336324	0.009909872	0.024858249	5E-06	20.79470825	1.61703E-05	0.000282594	0.000313882
2107 Nov	60.22714615	0.060295001	0.011997319	0.001	14.05877972	0.030985441	5.037602425	0.001	0.001	5E-06	0.006896622	0.001331627	0.009944992	0.024698799	5E-06	20.69210434	1.61443E-05	0.000280864	0.000310069
2107 Dec	60.22436142	0.060310211	0.011995236	0.001	14.05844688	0.030989584	5.03762579	0.001	0.001	5E-06	0.00689709	0.001331561	0.009945489	0.024696553	5E-06	20.69065857	1.6144E-05	0.000280839	0.000310015
2108 Jan	60.22846603	0.060319558	0.011996115	0.001	14.05969143	0.030990358	5.038084507	0.001	0.001	5E-06	0.00689719	0.001331627	0.009945475	0.024698664	5E-06	20.69238281	1.61441E-05	0.000280856	0.00031005
2108 Feb	60.23534393	0.060325217	0.011998277	0.001	14.0615406	0.030989492	5.03869772	0.001	0.001	5E-06	0.00689711	0.001331747	0.009945226	0.024702577	5E-06	20.69539642	1.61444E-05	0.00028089	0.000310123
2108 Mar	60.23907852	0.06032829	0.011999452	0.001	14.06254578	0.030989021	5.039031029	0.001	0.001	5E-06	0.006897067	0.001331813	0.009945091	0.024704702	5E-06	20.69703293	1.61445E-05	0.000280909	0.000310163
2108 Apr	60.2556839	0.060341943	0.012004673	0.001	14.06701088	0.030986926	5.040512562	0.001	0.001	5E-06	0.006896873	0.001332103	0.009944489	0.02471415	5E-06	20.70430946	1.61453E-05	0.000280991	0.000310338

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 May	60.54450989	0.060516637	0.012101166	0.001	14.14124966	0.030920645	5.064477444	0.001	0.001	5E-06	0.006894137	0.001337073	0.009932247	0.024879381	5E-06	20.83043098	1.61742E-05	0.000282515	0.000313497
2108 Jun	58.91380692	0.053874455	0.012066069	0.001	13.4141016	0.028624473	4.76789999	0.001	0.001	5E-06	0.006963867	0.001301677	0.009841701	0.024027562	5E-06	20.07734489	1.74366E-05	0.000281654	0.000304928
2108 Jul	57.75008011	0.051684704	0.011804434	0.001	13.0465517	0.028292416	4.635697365	0.001	0.001	5E-06	0.006974485	0.001281235	0.00983587	0.023404727	5E-06	19.56999588	1.75994E-05	0.000277074	0.000294771
2108 Aug	57.43477631	0.051350247	0.011690442	0.001	12.98656559	0.028537355	4.616104603	0.001	0.001	5E-06	0.006947327	0.001277167	0.009866869	0.023235772	5E-06	19.44653893	1.73794E-05	0.000275064	0.000291074
2108 Sep	57.14496613	0.052280989	0.011502201	0.001	12.95518589	0.028986184	4.61355257	0.001	0.001	5E-06	0.006959973	0.001271221	0.009937235	0.023017693	5E-06	19.31019211	1.72017E-05	0.000272768	0.000285771
2108 Oct	56.46006393	0.057818912	0.010858127	0.001	12.9258852	0.030483648	4.651493549	0.001	0.001	5E-06	0.007107578	0.001253926	0.010101776	0.022404762	5E-06	18.93829918	1.70051E-05	0.000265427	0.000269963
2108 Nov	56.32707977	0.058923751	0.010730956	0.001	12.92099953	0.030781688	4.659364223	0.001	0.001	5E-06	0.007136853	0.001250546	0.0101344	0.022284718	5E-06	18.86577988	1.69657E-05	0.000263981	0.000266852
2108 Dec	56.3252182	0.058939449	0.01072916	0.001	12.92093945	0.030785915	4.659478188	0.001	0.001	5E-06	0.007137268	0.001250499	0.010134863	0.022283031	5E-06	18.86476326	1.69651E-05	0.00026396	0.000266808
2109 Jan	56.32983017	0.05894905	0.010730198	0.001	12.92233372	0.030786738	4.659986973	0.001	0.001	5E-06	0.00713734	0.001250575	0.010134829	0.022285448	5E-06	18.86672211	1.69651E-05	0.000263979	0.000266849
2109 Feb	56.33692932	0.058954801	0.010732428	0.001	12.92424965	0.030785898	4.660622597	0.001	0.001	5E-06	0.007137245	0.0012507	0.010134572	0.022289496	5E-06	18.86983681	1.69654E-05	0.000264014	0.000266924
2109 Mar	56.34078979	0.058957931	0.010733644	0.001	12.92529202	0.03078544	4.660968781	0.001	0.001	5E-06	0.007137193	0.001250768	0.010134432	0.022291701	5E-06	18.87153435	1.69655E-05	0.000264034	0.000266965
2109 Apr	56.3445549	0.058960982	0.010734826	0.001	12.92630863	0.030784994	4.661305428	0.001	0.001	5E-06	0.007137143	0.001250834	0.010134296	0.022293845	5E-06	18.87318802	1.69657E-05	0.000264052	0.000267005
2109 May	59.25357056	0.059935097	0.011767904	0.001	13.64535809	0.029863436	4.886293411	0.001	0.001	5E-06	0.007101338	0.001300939	0.009990902	0.023980474	5E-06	20.14708519	1.73455E-05	0.000280112	0.0003
2109 Jun	63.38586807	0.060346387	0.013318157	0.001	14.62104988	0.028155087	5.181259632	0.001	0.001	5E-06	0.007051709	0.001371408	0.00976064	0.02639617	5E-06	21.95444679	1.80743E-05	0.00030407	0.000348411
2109 Jul	61.76076508	0.057397652	0.012895919	0.001	14.19933033	0.0284457	5.045262337	0.001	0.001	5E-06	0.006965229	0.001353102	0.009671547	0.025667919	5E-06	21.32474518	1.76198E-05	0.000294331	0.000334885
2109 Aug	60.19094849	0.054736584	0.012449768	0.001	13.83523369	0.029088262	4.93418169	0.001	0.001	5E-06	0.006842454	0.001338516	0.009586428	0.024995174	5E-06	20.7417469	1.68786E-05	0.000283732	0.000321404
2109 Sep	59.56934357	0.057009101	0.012039395	0.001	13.75918007	0.029983055	4.928189754	0.001	0.001	5E-06	0.006892694	0.001325006	0.009723095	0.024519011	5E-06	20.43965912	1.66132E-05	0.000278833	0.000310042
2109 Oct	58.55381393	0.063321076	0.011218319	0.001	13.66392708	0.031735577	4.950470924	0.001	0.001	5E-06	0.007072895	0.0013001	0.009940314	0.023663403	5E-06	19.90437508	1.63998E-05	0.000269447	0.00028903
2109 Nov	58.45123672	0.063964687	0.011134991	0.001	13.65438747	0.031913411	4.952777863	0.001	0.001	5E-06	0.007091321	0.001297569	0.009962501	0.023576612	5E-06	19.85016251	1.63786E-05	0.000268498	0.000286898
2109 Dec	58.44914627	0.06397786	0.011133289	0.001	13.65419388	0.031917047	4.952825069	0.001	0.001	5E-06	0.007091699	0.001297517	0.009962956	0.023574838	5E-06	19.84905624	1.63782E-05	0.000268479	0.000286854
2110 Jan	58.45308685	0.063985974	0.011134184	0.001	13.65537834	0.03191768	4.953254223	0.001	0.001	5E-06	0.007091764	0.001297581	0.009962946	0.023576885	5E-06	19.85072136	1.63782E-05	0.000268495	0.000286889
2110 Feb	58.45936203	0.063990861	0.011136173	0.001	13.65706539	0.031916868	4.953811169	0.001	0.001	5E-06	0.0709168	0.001297691	0.009962725	0.023580464	5E-06	19.85347748	1.63784E-05	0.000268527	0.000286956
2110 Mar	58.46279907	0.063993536	0.01113726	0.001	13.65798759	0.031916425	4.954115391	0.001	0.001	5E-06	0.007091634	0.001297751	0.009962604	0.023582421	5E-06	19.85498428	1.63786E-05	0.000268544	0.000286992
2110 Apr	58.46475601	0.063995063	0.011137879	0.001	13.65851307	0.031916175	4.95428896	0.001	0.001	5E-06	0.007091607	0.001297786	0.009962535	0.023583533	5E-06	19.8558445	1.63786E-05	0.000268554	0.000287013
2110 May	59.34329605	0.064185917	0.011457941	0.001	13.87110901	0.031598192	5.019316196	0.001	0.001	5E-06	0.007080804	0.001312694	0.009921043	0.024091678	5E-06	20.2395134	1.65108E-05	0.000273567	0.000297069
2110 Jun	63.58031845	0.061296325	0.01332346	0.001	14.71665001	0.028496895	5.233954906	0.001	0.001	5E-06	0.007035298	0.001380908	0.009640284	0.026601203	5E-06	22.07555008	1.78924E-05	0.000302502	0.00035125
2110 Jul	61.93784332	0.05823718	0.01292692	0.001	14.24115086	0.028385082	5.069033146	0.001	0.001	5E-06	0.007001971	0.001356475	0.009606189	0.025780216	5E-06	21.3944664	1.77956E-05	0.000294594	0.000337054
2110 Aug	58.0846405	0.052690566	0.01171484	0.001	13.39822674	0.030420974	4.798604965	0.001	0.001	5E-06	0.006706507	0.001311935	0.009687762	0.023907913	5E-06	19.91059494	1.57293E-05	0.000270111	0.000298343
2110 Sep	56.8552475	0.05722462	0.010895393	0.001	13.25007915	0.032212716	4.784515858	0.001	0.001	5E-06	0.006807042	0.001283917	0.009995661	0.022937339	5E-06	19.30543518	1.51907E-05	0.000260754	0.000275247
2110 Oct	56.00525665	0.064010404	0.010114343	0.001	13.19075012	0.033880159	4.819769382	0.001	0.001	5E-06	0.007012244	0.001260323	0.010211696	0.02215025	5E-06	18.82746124	1.51083E-05	0.000252404	0.000255648
2110 Nov	55.83880615	0.06541007	0.009956843	0.001	13.18031311	0.034217954	4.827568531	0.001	0.001	5E-06	0.007054736	0.001255597	0.010255442	0.021993104	5E-06	18.73263931	1.5095E-05	0.000250738	0.000251716
2110 Dec	55.83634567	0.065430962	0.009954502	0.001	13.18016148	0.034222979	4.82768631	0.001	0.001	5E-06	0.007055371	0.001255527	0.010256093	0.021990772	5E-06	18.7312355	1.50948E-05	0.000250713	0.000251658
2111 Jan	55.84197617	0.065441534	0.009955868	0.001	13.1818018	0.034223441	4.828272343	0.001	0.001	5E-06	0.007055469	0.001255618	0.010256044	0.021993721	5E-06	18.73361015	1.50951E-05	0.000250738	0.000251709
2111 Feb	55.8504715	0.065447919	0.009958587	0.001	13.18406582	0.034222174	4.829016685	0.001	0.001	5E-06	0.007055364	0.001255766	0.010255733	0.021998566	5E-06	18.73733521	1.50955E-05	0.000250781	0.0002518
2111 Mar	55.85512924	0.065451406	0.009960076	0.001	13.1853056	0.034221485	4.829424381	0.001	0.001	5E-06	0.007055306	0.001255847	0.010255562	0.022001218	5E-06	18.73937607	1.50958E-05	0.000250804	0.000251849
2111 Apr	55.85777664	0.065453395	0.009960924	0.001	13.18601227	0.034221087	4.829656601	0.001	0.001	5E-06	0.007055273	0.001255893	0.010255465	0.022002731	5E-06	18.74053764	1.50959E-05	0.000250818	0.000251877
2111 May	57.83555222	0.065784611	0.010693175	0.001	13.65566254	0.033428833	4.972056866	0.001	0.001	5E-06	0.00703574	0.001289193	0.01015506	0.023148097	5E-06	19.60198593	1.54463E-05	0.00026229	0.00027476
2111 Jun	63.55277634	0.064514913	0.013001715	0.001	14.90405655	0.030187303	5.324721813	0.001	0.001	5E-06	0.006987466	0.00138324	0.009810144	0.026495535	5E-06	22.08260727	1.69268E-05	0.000298264	0.000344367
2111 Jul	62.75012207	0.062901571	0.012821711	0.001	14.65999031	0.030033536	5.238144398	0.001	0.001	5E-06	0.006978374	0.001370601	0.009793333	0.026088778	5E-06	21.74456215	1.69496E-05	0.000294736	0.000337603
2111 Aug	60.34236526	0.059196223	0.012082438	0.001	14.12052822	0.031196985	5.059800625	0.001	0.001	5E-06	0.006797024	0.001341423	0.009865994	0.024900407	5E-06	20.80951881	1.57142E-05	0.000280061	0.000313369
2111 Sep	59.33045578	0.059356384	0.01163113	0.001	13.94190502	0.032130096	5.000840664	0.001	0.001	5E-06	0.006761877	0.001322518	0.010083876	0.024227118	5E-06	20.36678696	1.5102E-05	0.000274244	0.000298483
2111 Oct	58.66020584	0.063331492	0.011112806	0.001	13.8612566	0.033134654	5.00808239	0.001	0.001	5E-06	0.00689036	0.001305718	0.010208763	0.023668619	5E-06	20.00987625	1.50673E-05	0.000268369	0.000285167
2111 Nov	58.21783829	0.065988421	0.010768723	0.001	13.80842972	0.033801664	5.013257027	0.001	0.001	5E-06	0.006976397	0.001294585	0.010291419	0.023298798	5E-06	19.77373123	1.5047E-05	0.000264476	0.000276343
2111 Dec	58.20470428	0.066068038	0.010758463	0.001	13.80687046	0.033821553	5.013419151	0.001	0.001	5E-06	0.006978979	0.001294253	0.010293878	0.023287792	5E-06	19.76670647	1.50464E-05	0.00026436	0.00027608
2112 Jan	58.21085358	0.066079989	0.010759937	0.001	13.80866528	0.033822089	5.014065742	0.001	0.001	5E-06	0.006979104	0.001294352	0.010293803	0.023291018	5E-06	19.76930046	1.50468E-05	0.000264387	0.000276135
2112 Feb	58.22068787	0.066087335	0.010763089	0.001	13.8112812	0.033820592	5.014926434	0.001	0.001	5E-06	0.006978984	0.001294525	0.010293425	0.023296634	5E-06	19.77361298	1.50473E-05	0.000264437	0.000276241
2112 Mar	58.22602463	0.066091314	0.010764798	0.001	13.81269932	0.033819776	5.015393734	0.001	0.001	5E-06	0.006978918	0.001294618	0.010293222	0.023299681	5E-06	19.77595139	1.50476E-05	0.000264464	0.000276298
2112 Apr	58.22900009	0.066093542	0.010765753	0.001	13.81349087	0.033819322	5.015654564	0.001	0.001	5E-06	0.006978882	0.00129467	0.010293107	0.02330138	5E-06	19.77725792	1.50478E-05	0.000264479	0.00027633
2112 May	60.98838425	0.066446714	0.011799891	0.001	14.46090031	0.032645881	5.211544037	0.001	0.001	5E-06	0.006954259	0.001341294	0.010137551	0.024908857	5E-06	20.97976685	1.55798E-05	0.000280553	0.000308634
2112 Jun	65.90668488	0.062610067	0.014034376	0.001	15.38948154	0.02859313	5.441675663	0.001	0.001	5E-06	0.006932889	0.001420246	0.009729154	0.027858175	5E-06	23.10423851	1.75163E-05	0.00031478	0.000373512
2112 Jul	63.58594513	0.058418427	0.013487224	0.001	14.68311882	0.028153965	5.191926956	0.001	0.001	5E-06	0.006932474	0.001381649	0.009707629	0.026640633	5E-06	22.10887527	1.76661E-05	0.00030479	0.000353108
2112 Aug	62.99619293	0.057832312	0.01327632	0.001	14.56271362	0.028545627	5.151046276	0.001	0.001	5E-06	0.006893354	0.001372928	0.009775336	0.02630795	5E-06	21.86914825	1.73239E-05	0.000301347	0.00034605
2112 Sep	62.3060112	0.058313876	0.012952195	0.001	14.44144154	0.029192286	5.116208553	0.001	0.001	5E-06	0.006886323	0.001360275	0.009897849	0.025853951	5E-06	21.56427765	1.69675E-05	0.000297009	0.000335952
2112 Oct	61.90983963	0.060043879	0.012684355	0.001	14.38575459	0.02970654	5.113904476	0.001	0.001	5E-06	0.006939359	0.001351545	0.009956595	0.025554193	5E-06	21.36614609	1.69044E-05	0.000293719	0.000328924
2112 Nov	61.83242798	0.060383465	0.012631911	0.001	14.37491417	0.029807396	5.113481045	0.001	0.001	5E-06	0.006949755	0.001349839	0.009968099	0.025495574	5E-06	21.32741737	1.6892E-05	0.000293075	0.000327549
2112 Dec	61.82957077	0.060396038	0.012629974	0.001	14.37451553	0.029811127	5.113466263	0.001	0.001	5E-06	0.00695014	0.001349776	0.009968525	0.025493409	5E-06	21.32598877	1.68916E-05	0.000293051	0.000327498
2113 Jan	61.83280945	0.060403746	0.012630637	0.001	14.37551403	0.029811887	5.113837719	0.001	0.001	5E-06	0.006950217	0.001349828	0.009968513	0.025495073	5E-06	21.32734871	1.68916E-05	0.000293064	0.000327525
2113 Feb	61.83850098	0.060408406	0.012632427	0.001	14.37704945	0.029811202	5.114347935	0.001	0.001	5E-06	0.006950144	0.001349929	0.009968302	0.025498323	5E-06	21.32984924	1.68918E-05	0.000293092	0.000327585
2113 Mar	61.84160233	0.060410943	0.012633402	0.001	14.37788677	0.029810827	5.114625931	0.001	0.001	5E-06	0.006950105	0.001349983	0.009968188	0.025500093	5E-06	21.33121109	1.68919E-05	0.000293108	0.000327618
2113 Apr	61.84337234	0.060412392	0.012633957	0.001	14.37836361	0.029810615	5.114784241	0.001	0.001	5E-06	0.006950082	0.001350014	0.009968122	0.0255011	5E-06	21.33198738	1.6892E-05	0.000293116	0.000327637
2113 May	63.70789719	0.060949761	0.013307304	0.001	14.83048248	0.029145245	5.255318165	0.001	0.001	5E-06	0.006932206	0.001381918	0.009867621	0.02658451	5E-06	22.14642334	1.71888E-05	0.000303571	0.000349043
2113 Jun	67.2041626	0.060259935	0.014720069	0.001	15.5912714	0.027140643	5.473445892	0.001	0.001	5E-06	0.006908554	0.001440227	0.009624666	0.028650457	5E-06	23.66653442	1.8132E-05	0.000325282	0.000392035
2113 Jul	65.76190948	0.057928201	0.014332287	0.001	15.21107483	0.027356554	5.350177288	0.001	0.001	5E-06	0.006853856	0.001422098	0.009567224	0.027970016	5E-06	23.0918541	1.78213E-05	0.000316968	0.000379468
2113 Aug	64.75120544	0.056610018	0.014014275	0.001	14.98246288	0.02783002	5.278477669	0.001	0.001	5E-06	0.006790942	0.001410135	0.009572069	0.027479241	5E-06	22.69774818	1.73619E-05	0.000310543	0.000369482
2113 Sep	63.79180527	0.05838022	0.013504454	0.001	14.82133198	0.028811278	5.24259901	0.001	0.001	5E-06	0.006827623	0.001391386	0.009728141	0.026819929	5E-06	22.25549126	1.6998E-05	0.000303932	0.000354612
2113 Oct	62.25155258	0.064602062	0.012496254	0.001	14.59425259	0.030712858	5.225746155	0.001	0.001	5E-06	0.007020123	0.001357793	0.00995236	0.025669252	5E-06	21.49103546	1.67486E-05	0.000291487	0.00032787
2113 Nov	61.75296402	0.066640258	0.012168291	0.001	14.52120304	0.031332728	5.220607758	0.001	0.001	5E-06	0.007083165	0.001346883	0.010025562	0.025295692	5E-06	21.24316978	1.66684E-05	0.000287448	0.000319179
2113 Dec	61.74784088	0.066661321	0.012164912	0.001	14.52045536	0.03133912	5.220556736	0.001	0.001	5E-06	0.007083816	0.001346771	0.010026318	0.025291849	5E-06	21.24061966	1.66676E-05	0.000287407	0.00031909
2114 Jan	61.75233459	0.066671476	0.012165871	0.001	14.52182961	0.031340066	5.221063614	0.001	0.001	5E-06	0.007083909	0.001346844	0.0100263	0.025294174	5E-06	21.24251556	1.66676E-05	0.000287425	0.000319128
2114 Feb	61.76024628	0.066677667	0.012168375	0.001	14.52395725	0.031339057	5.221767902	0.001	0.001	5E-06	0.007083802	0.001346983	0.010026007	0.025298694	5E-06	21.24599457	1.66679E-05	0.000287464	0.000319213
2114 Mar	61.7645607	0.066681042	0.01216974	0.001	14.52511692	0.031338505	5.222151756	0.001	0.001	5E-06	0.007083743	0.001347059	0.010025847	0.025301158	5E-06	21.24788857	1.6668E-05	0.000287485	0.000319258
2114 Apr	61.76702118	0.066682965	0.01217052	0.001	14.52577877	0.031338193	5.222370148	0.001	0.001	5E-06	0.007083709	0.001347102	0.010025755	0.025302565	5E-06	21.24897003	1.66681E-05	0.000287498	0.000319285
2114 May	64.42578125	0.067074046	0.01315595	0.001	15.16150188	0.030307513	5.416298866	0.001	0.001	5E-06	0.007049328	0.001392722	0.009880432	0.026856579	5E-06	22.41366577	1.7097E-05	0.000302703	0.000350232
2114 Jun	67.26857758	0.066052429	0.014331596	0.001	15.77432823	0.028620964	5.587547302	0.001	0.001	5E-06	0.007013486	0.001440524	0.009685556	0.028548347	5E-06	23.65627098	1.78296E-05	0.000320635	0.000385601
2114 Jul	66.33860016	0.064404026	0.014095645	0.001	15.51794624	0.028664844	5.501507759	0.001	0.001	5E-06	0.006983834	0.001427995	0.009654637	0.028100699	5E-06	23.28009033	1.76907E-05	0.000315672	0.000377597
2114 Aug	65.85946655	0.063751578	0.013944468	0.001	15.41000843	0.028893264	5.466261387	0.001	0.001	5E-06	0.006952742	0.001421919	0.009670285	0.027859209	5E-06	23.09128189	1.74638E-05	0.000312762	0.000372681
2114 Sep	64.56739807	0.065305084	0.01331233	0.001	15.17645168	0.030060686	5.405714512	0.001	0.001	5E-06	0.006978399	0.001397469	0.009869331	0.02699966	5E-06	22.50684547	1.69608E-05	0.000304357	0.000353676
2114 Oct	63.52730179	0.068889022	0.012674418	0.001	15.00819397	0.03120828	5.384660721	0.001	0.001	5E-06	0.007093389	0.001375391	0.010006437	0.026246045	5E-06	21.99844933	1.68032E-05	0.000296329	0.000336483
2114 Nov	62.68067551	0.071815446	0.012154653	0.001	14.8713026	0.03214315	5.3676157	0.001	0.001	5E-06	0.007187375	0.001357404	0.010118074	0.025632264	5E-06	21.58443832	1.66761E-05	0.000289792	0.000322478
2114 Dec	62.64479446	0.071939655	0.012132615	0.001	14.86550236	0.032182783	5.366895199	0.001	0.001	5E-06	0.007191367	0.001356642	0.010122806	0.025606245	5E-06	21.56688881	1.66707E-05	0.000289515	0.000321885
2115 Jan	62.65015793	0.071950935	0.012133816	0.001	14.86712456	0.032183737	5.367487907	0.001	0.001	5E-06	0.007191455	0.00135673	0.010122764	0.025609054	5E-06	21.56916237	1.66707E-05	0.000289537	0.000321932
2115 Feb	62.65977859	0.071957909	0.012136899	0.001	14.86969852	0.032182395	5.368335247	0.001	0.001	5E-06	0.00719131	0.0013569	0.010122393	0.025614571	5E-06	21.57339668	1.66711E-05	0.000289585	0.000322035
2115 Mar	62.66503143	0.071961723	0.012138585	0.001	14.87110424	0.032181658	5.368798733	0.001	0.001	5E-06	0.007191231	0.001356993	0.01012219	0.025617588	5E-06	21.5757122	1.66713E-05	0.000289611	0.000322091

Appendix D.2-9: SUMPP4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Apr	62.66802597	0.071963899	0.012139544	0.001	14.87190628	0.032181241	5.369062424	0.001	0.001	5E-06	0.007191185	0.001357046	0.010122075	0.025619306	5E-06	21.57702827	1.66714E-05	0.000289626	0.000322123
2115 May	65.26774597	0.071863286	0.013137208	0.001	15.48125267	0.031061664	5.550991535	0.001	0.001	5E-06	0.007146438	0.001402131	0.009967349	0.027157703	5E-06	22.72188568	1.7104E-05	0.000304789	0.000353085
2115 Jun	67.58146667	0.071167424	0.01407495	0.001	15.99771881	0.029838366	5.698720932	0.001	0.001	5E-06	0.007104381	0.001442034	0.009813081	0.028541638	5E-06	23.74125862	1.75864E-05	0.000318926	0.000381587
2115 Jul	66.49432373	0.069121793	0.013795002	0.001	15.71821785	0.030052681	5.608804703	0.001	0.001	5E-06	0.007039686	0.001430327	0.009748798	0.028063532	5E-06	23.32463455	1.72501E-05	0.000312306	0.000372664
2115 Aug	64.04086304	0.065467663	0.013041284	0.001	15.15635014	0.031141266	5.420735836	0.001	0.001	5E-06	0.006875638	0.001398608	0.009842788	0.026820958	5E-06	22.35602951	1.61043E-05	0.000297866	0.000347616
2115 Sep	62.94927597	0.06494686	0.012611657	0.001	14.93865967	0.031924207	5.345556259	0.001	0.001	5E-06	0.006828732	0.001379383	0.010030637	0.026137659	5E-06	21.88837433	1.55223E-05	0.000291903	0.00033305
2115 Oct	62.60454559	0.066201054	0.012397855	0.001	14.88132286	0.032292914	5.338335991	0.001	0.001	5E-06	0.00687197	0.001371787	0.010076412	0.025883421	5E-06	21.71709251	1.54935E-05	0.000289274	0.000327294
2115 Nov	62.081604	0.068122454	0.012072447	0.001	14.7944994	0.032853868	5.327569008	0.001	0.001	5E-06	0.006938347	0.00136023	0.010146036	0.025496962	5E-06	21.45687675	1.54518E-05	0.00028528	0.000318541
2115 Dec	62.04367447	0.068262778	0.012048788	0.001	14.78820992	0.032894641	5.326797009	0.001	0.001	5E-06	0.006943202	0.00135939	0.010151096	0.025468888	5E-06	21.43798065	1.54489E-05	0.00028499	0.000317905
2116 Jan	62.04971695	0.068275638	0.012050154	0.001	14.7900095	0.032895487	5.32745409	0.001	0.001	5E-06	0.00694334	0.001359488	0.01015104	0.025472028	5E-06	21.44052315	1.54491E-05	0.000285016	0.000317958
2116 Feb	62.06053543	0.06828364	0.012053622	0.001	14.7928915	0.032893877	5.32840395	0.001	0.001	5E-06	0.006943198	0.001359678	0.010150621	0.02547822	5E-06	21.44527435	1.54497E-05	0.00028507	0.000318074
2116 Mar	62.06640244	0.068287984	0.012055503	0.001	14.79445457	0.032893002	5.328918457	0.001	0.001	5E-06	0.006943122	0.001359781	0.010150393	0.025481576	5E-06	21.44785118	1.545E-05	0.000285099	0.000318137
2116 Apr	62.06966782	0.068290398	0.01205655	0.001	14.79532433	0.032892521	5.329204559	0.001	0.001	5E-06	0.006943079	0.001359838	0.010150266	0.025483444	5E-06	21.44928551	1.54501E-05	0.000285116	0.000318172
2116 May	64.1470871	0.068361126	0.012850141	0.001	15.27625656	0.031951211	5.473104954	0.001	0.001	5E-06	0.006921657	0.001395089	0.010025924	0.026701551	5E-06	22.35645103	1.58679E-05	0.000297354	0.000342817
2116 Jun	68.13796234	0.06487447	0.014690715	0.001	16.019907	0.028572848	5.654411793	0.001	0.001	5E-06	0.006895775	0.001459762	0.009677582	0.029114606	5E-06	24.08632088	1.74528E-05	0.000325289	0.000396116
2116 Jul	66.83834839	0.062589295	0.014383779	0.001	15.61838245	0.028279567	5.511303425	0.001	0.001	5E-06	0.006905919	0.001437105	0.009677014	0.028415836	5E-06	23.52072716	1.75924E-05	0.000319964	0.000384488
2116 Aug	66.32504272	0.06207471	0.01420374	0.001	15.50911713	0.028583193	5.474003315	0.001	0.001	5E-06	0.006876542	0.001429271	0.009732982	0.028124711	5E-06	23.30973816	1.73285E-05	0.000317056	0.000378418
2116 Sep	64.88386536	0.064780273	0.013451638	0.001	15.24935436	0.029908996	5.416217804	0.001	0.001	5E-06	0.006952178	0.001400986	0.009929363	0.027145889	5E-06	22.64037323	1.69296E-05	0.000307185	0.000356714
2116 Oct	63.27003098	0.070067376	0.012484146	0.001	14.97829056	0.031600505	5.378623486	0.001	0.001	5E-06	0.007127339	0.001367059	0.010126694	0.025990924	5E-06	21.85466194	1.67168E-05	0.00029489	0.000330578
2116 Nov	63.03258896	0.070855312	0.012341089	0.001	14.93868542	0.031851888	5.373273849	0.001	0.001	5E-06	0.007153309	0.001362064	0.010155859	0.025820723	5E-06	21.73897552	1.66851E-05	0.000293073	0.000326719
2116 Dec	63.02871704	0.070868209	0.012338752	0.001	14.93803978	0.031855997	5.373187542	0.001	0.001	5E-06	0.007153734	0.001361983	0.010156336	0.025817942	5E-06	21.73708916	1.66846E-05	0.000293043	0.000326656
2117 Jan	63.03239441	0.070876271	0.012339558	0.001	14.93915939	0.031856697	5.373599529	0.001	0.001	5E-06	0.007153805	0.001362043	0.010156302	0.02581987	5E-06	21.73864746	1.66846E-05	0.000293058	0.000326689
2117 Feb	63.03915405	0.070881248	0.012341719	0.001	14.94096661	0.031855758	5.374195576	0.001	0.001	5E-06	0.007153707	0.001362163	0.010156036	0.025823744	5E-06	21.74162102	1.66849E-05	0.000293092	0.000326761
2117 Mar	63.04284286	0.070883967	0.0123429	0.001	14.94195366	0.031855244	5.374521255	0.001	0.001	5E-06	0.007153653	0.001362228	0.010155892	0.025825858	5E-06	21.74324417	1.6685E-05	0.00029311	0.0003268
2117 Apr	63.04494476	0.070885509	0.012343573	0.001	14.94251537	0.031854954	5.374706745	0.001	0.001	5E-06	0.007153622	0.001362265	0.010155809	0.025827065	5E-06	21.74416924	1.66851E-05	0.000293121	0.000326823
2117 May	64.74919128	0.070858054	0.012996526	0.001	15.34137917	0.031116568	5.494394302	0.001	0.001	5E-06	0.007126697	0.001391854	0.010050029	0.026836796	5E-06	22.49429131	1.69802E-05	0.000303022	0.000347154
2117 Jun	67.42084503	0.069279075	0.014148216	0.001	15.89913082	0.029367018	5.645591259	0.001	0.001	5E-06	0.007080945	0.00143767	0.009837881	0.028458651	5E-06	23.67092705	1.77057E-05	0.000320182	0.000381503
2117 Jul	66.39356232	0.067382865	0.013887426	0.001	15.62464237	0.029485118	5.555301666	0.001	0.001	5E-06	0.007033856	0.001425277	0.009788114	0.027987374	5E-06	23.26671982	1.74734E-05	0.000314314	0.000372923
2117 Aug	65.48410034	0.066060796	0.013606836	0.001	15.41674519	0.029892018	5.486566067	0.001	0.001	5E-06	0.006973971	0.001413713	0.00981678	0.027530557	5E-06	22.9085083	1.70518E-05	0.000308878	0.000363701
2117 Sep	64.99306488	0.066692084	0.013366561	0.001	15.32588387	0.030318722	5.463456631	0.001	0.001	5E-06	0.006987889	0.001404375	0.009886777	0.027204672	5E-06	22.68519592	1.68843E-05	0.000305672	0.000356539
2117 Oct	64.17718506	0.069267236	0.012883306	0.001	15.18739223	0.031159969	5.443052769	0.001	0.001	5E-06	0.007073174	0.001387288	0.009987102	0.026623104	5E-06	22.289217	1.67712E-05	0.000299521	0.000343414
2117 Nov	63.94387054	0.070006885	0.012744898	0.001	15.14785004	0.031401109	5.437260628	0.001	0.001	5E-06	0.007097662	0.001382396	0.010015883	0.026456647	5E-06	22.17592621	1.6739E-05	0.000297761	0.000339656
2117 Dec	63.9289856	0.070054203	0.012736057	0.001	15.14532757	0.03141652	5.436892033	0.001	0.001	5E-06	0.007099228	0.001382084	0.010017721	0.026446018	5E-06	22.16869354	1.67369E-05	0.000297649	0.000339416
2118 Jan	63.93408203	0.070065536	0.012737158	0.001	15.14688396	0.031417556	5.437465191	0.001	0.001	5E-06	0.007099328	0.001382167	0.010017689	0.026448669	5E-06	22.17084885	1.67369E-05	0.000297669	0.00033946
2118 Feb	63.94358826	0.070072554	0.012740198	0.001	15.14942932	0.031416249	5.438304901	0.001	0.001	5E-06	0.007099189	0.001382335	0.010017322	0.026454119	5E-06	22.17503357	1.67373E-05	0.000297717	0.000339562
2118 Mar	63.94877243	0.070076376	0.012741854	0.001	15.15081787	0.031415537	5.438762665	0.001	0.001	5E-06	0.007099112	0.001382427	0.010017122	0.026457092	5E-06	22.17731476	1.67375E-05	0.000297742	0.000339617
2118 Apr	64.27933502	0.070320189	0.012847566	0.001	15.23934078	0.031370051	5.467955112	0.001	0.001	5E-06	0.007094245	0.001388266	0.010004357	0.026646625	5E-06	22.32278442	1.67505E-05	0.000299394	0.000343154
2118 May	68.64904785	0.070616119	0.014489559	0.001	16.27910805	0.029626645	5.783141136	0.001	0.001	5E-06	0.007025359	0.001464026	0.009752853	0.029220438	5E-06	24.24470329	1.74362E-05	0.000324458	0.000394555
2118 Jun	72.08423615	0.068132013	0.01600715	0.001	16.97581291	0.027198888	5.965408325	0.001	0.001	5E-06	0.00696661	0.001522266	0.009478745	0.031307258	5E-06	25.75474358	1.84496E-05	0.00034715	0.000439266
2118 Jul	71.20639801	0.066684172	0.015781287	0.001	16.72748566	0.027191164	5.880694389	0.001	0.001	5E-06	0.00695193	0.001509102	0.009465562	0.030861996	5E-06	25.38910103	1.83846E-05	0.000342783	0.000431399
2118 Aug	69.25965118	0.064592808	0.01512327	0.001	16.29653358	0.028199123	5.736453533	0.001	0.001	5E-06	0.006849391	0.001480524	0.009618994	0.029794438	5E-06	24.59379768	1.74923E-05	0.000331599	0.000409496
2118 Sep	66.74468231	0.067864507	0.01390777	0.001	15.81282139	0.03023079	5.614356518	0.001	0.001	5E-06	0.006941264	0.001432735	0.009934234	0.028140705	5E-06	23.44592476	1.67857E-05	0.000315199	0.000373534
2118 Oct	65.05215454	0.072437733	0.012960265	0.001	15.50555992	0.031794075	5.559910297	0.001	0.001	5E-06	0.007100815	0.001398143	0.010118818	0.026966592	5E-06	22.63451385	1.6576E-05	0.000302884	0.000347479
2118 Nov	64.65492249	0.073522694	0.012737192	0.001	15.43360233	0.032162488	5.547280788	0.001	0.001	5E-06	0.007138675	0.001390011	0.010162177	0.026690658	5E-06	22.44389534	1.65275E-05	0.000299988	0.000341352
2118 Dec	64.64814758	0.073541284	0.01273338	0.001	15.43237591	0.032168783	5.547066212	0.001	0.001	5E-06	0.007139323	0.001389872	0.010162917	0.026685948	5E-06	22.4406414	1.65267E-05	0.000299938	0.000341248
2119 Jan	64.65206909	0.073550187	0.01273422	0.001	15.43357658	0.032169603	5.547511578	0.001	0.001	5E-06	0.007139406	0.001389937	0.010162882	0.026687995	5E-06	22.4423027	1.65267E-05	0.000299954	0.000341282
2119 Feb	64.65973663	0.073555738	0.012736679	0.001	15.43562508	0.032168515	5.548186779	0.001	0.001	5E-06	0.007139292	0.001390072	0.010162576	0.026692396	5E-06	22.44567871	1.6527E-05	0.000299992	0.000341364
2119 Mar	64.66392517	0.073558778	0.012738025	0.001	15.43674564	0.032167923	5.548555851	0.001	0.001	5E-06	0.007139229	0.001390146	0.010162409	0.026694804	5E-06	22.44752312	1.65272E-05	0.000300013	0.000341409
2119 Apr	66.00473022	0.074523158	0.013168812	0.001	15.79497051	0.031975918	5.666591644	0.001	0.001	5E-06	0.007119106	0.001413884	0.010108784	0.02746528	5E-06	23.03800201	1.65823E-05	0.000306722	0.000355811
2119 May	75.34576416	0.077879667	0.016449809	0.001	18.14407349	0.029352665	6.409947395	0.001	0.001	5E-06	0.006969622	0.001578201	0.009631404	0.032921251	5E-06	27.15465164	1.75321E-05	0.000356983	0.000461598
2119 Jun	75.0489502	0.074724287	0.016599303	0.001	17.93652725	0.02827011	6.314712524	0.001	0.001	5E-06	0.006965966	0.001572022	0.009552458	0.032827925	5E-06	27.02651215	1.80153E-05	0.000358582	0.00046318
2119 Jul	73.77454376	0.072568282	0.016286684	0.001	17.55382919	0.028075512	6.179828167	0.001	0.001	5E-06	0.006967772	0.001550519	0.009552079	0.032149047	5E-06	26.47745323	1.80814E-05	0.000353049	0.000451639
2119 Aug	72.21393585	0.070879281	0.015762746	0.001	17.20093155	0.028823007	6.059218884	0.001	0.001	5E-06	0.006894104	0.001526385	0.009692424	0.031273525	5E-06	25.831213	1.74199E-05	0.00034447	0.000433865
2119 Sep	70.24463654	0.071398757	0.014941514	0.001	16.78529167	0.030067187	5.93454504	0.001	0.001	5E-06	0.006903671	0.001490969	0.009919174	0.030046172	5E-06	24.96090126	1.68045E-05	0.000332828	0.000408084
2119 Oct	68.89141083	0.07412757	0.014250031	0.001	16.51541138	0.031096784	5.876032352	0.001	0.001	5E-06	0.007010574	0.001464212	0.010041571	0.029143836	5E-06	24.32346916	1.66675E-05	0.000323556	0.000388618
2119 Nov	68.34967804	0.075229019	0.013972661	0.001	16.40750504	0.03151026	5.852732658	0.001	0.001	5E-06	0.007053672	0.001453493	0.010090562	0.028782353	5E-06	24.0681591	1.66132E-05	0.000319839	0.000380817
2119 Dec	68.3432312	0.075242192	0.013969357	0.001	16.40622139	0.031515185	5.85245657	0.001	0.001	5E-06	0.007054187	0.001453365	0.010091145	0.02877805	5E-06	24.0651207	1.66125E-05	0.000319795	0.000380724

Appendix D.2-9: SUMPP4

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	1.2E-06	2.5E-04	6.5E-09	2.2E-03	5.2E-03	1.3E-04	1.9E-07	8.1E-03	1.7E-06	9.1E-06	6.2E-07	1.5E-07	8.4E-08	2.0E-04	1.3E-09	6.5E-08	1.4E-06	1.0E-06	1.5E-07
Operations (2020-2043): Mean	5.5E-03	7.4E-02	1.5E-05	1.7E+02	5.7E+01	3.5E-01	2.3E-02	4.6E+03	5.0E-02	6.5E-02	1.3E-04	7.5E-03	2.2E-03	1.1E+01	7.4E-05	1.5E-03	6.4E-03	3.0E-02	8.8E-02
Operations (2020-2043): Max	1.2E-02	1.3E-01	2.7E-05	4.2E+02	1.2E+02	6.8E-01	5.8E-02	1.3E+04	1.1E-01	1.1E-01	4.4E-04	2.3E-02	5.6E-03	3.6E+01	1.5E-04	5.3E-03	1.3E-02	9.2E-02	2.5E-01
Active Closure (2044-2050): Min	7.5E-04	7.6E-02	1.0E-05	1.1E+00	1.6E+00	2.0E-02	2.4E-04	5.1E+00	1.2E-03	9.5E-03	6.2E-05	1.6E-04	5.3E-05	6.6E-02	2.1E-06	6.2E-05	4.4E-04	1.8E-03	2.6E-05
Active Closure (2044-2050): Mean	1.4E-03	9.6E-02	1.1E-05	5.7E+00	4.6E+00	6.3E-02	1.6E-03	8.0E+01	6.8E-03	1.5E-02	1.5E-04	3.3E-04	1.8E-04	2.1E-01	9.5E-06	2.5E-04	9.0E-04	2.3E-03	1.0E-03
Active Closure (2044-2050): Max	6.2E-03	1.2E-01	1.7E-05	4.0E+01	2.6E+01	3.6E-01	1.2E-02	6.6E+02	4.7E-02	6.0E-02	2.9E-04	1.5E-03	1.1E-03	1.5E+00	7.4E-05	1.7E-03	3.8E-03	6.0E-03	8.1E-03
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	7.6E-04	9.4E-02	1.0E-05	1.1E+00	1.6E+00	2.0E-02	1.9E-04	3.9E+00	1.1E-03	9.6E-03	1.4E-04	1.1E-04	5.3E-05	6.6E-02	2.0E-06	5.9E-05	4.4E-04	1.4E-03	1.3E-27
Post Closure (2051-2119): Mean	9.6E-04	1.4E-01	1.0E-05	1.4E+00	2.7E+00	4.9E-02	2.8E-04	5.0E+00	1.3E-03	1.0E-02	4.0E-04	1.6E-04	7.6E-05	1.1E-01	2.0E-06	6.9E-05	6.7E-04	1.6E-03	4.9E-07
Post Closure (2051-2119): Max	1.1E-03	1.8E-01	1.0E-05	1.8E+00	3.6E+00	7.5E-02	3.5E-04	6.4E+00	1.5E-03	1.1E-02	5.9E-04	2.0E-04	9.5E-05	1.4E-01	2.1E-06	7.7E-05	9.0E-04	1.9E-03	2.6E-05
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	1.23121E-06	0.000246241	6.48004E-09	0.002164332	0.005235869	0.000132841	1.91161E-07	0.008132446	1.68481E-06	9.07205E-06	6.19491E-07	1.49041E-07	8.42405E-08	0.000201529	1.29601E-09	6.48004E-08	1.36081E-06	1.00441E-06	0
2027 Feb	5.88928E-06	0.001177856	3.09962E-08	0.010352733	0.025044935	0.000635422	9.14388E-07	0.038900238	8.05901E-06	4.33947E-05	2.96324E-06	7.12913E-07	4.02951E-07	0.000963982	6.19924E-09	3.09962E-07	6.5092E-06	4.80441E-06	0
2027 Mar	1.12177E-05	0.002243534	5.90404E-08	0.019719487	0.047704626	0.001210328	1.74169E-06	0.074095674	1.53505E-05	8.26565E-05	5.64426E-06	1.35793E-06	7.67525E-07	0.001836156	1.18081E-08	5.90404E-07	1.23985E-05	9.15126E-06	0
2027 Apr	1.57924E-05	0.003158472	8.31177E-08	0.027761307	0.067159086	0.001703913	2.45197E-06	0.104312696	2.16106E-05	0.000116365	7.94605E-06	1.91171E-06	1.08053E-06	0.00258496	1.66235E-08	8.31177E-07	1.74547E-05	1.28832E-05	0
2027 May	0.000220166	0.0409934	1.7209E-06	0.37209782	0.822778583	0.019680845	3.47458E-05	1.334867597	0.000315982	0.00199847	0.000164518	3.95806E-05	2.23717E-05	0.031953633	3.44179E-07	1.31011E-05	0.000229937	0.000311926	0
2027 Jun	0.000644548	0.093167558	1.00018E-05	0.95748961	1.406418443	0.021642393	0.000106684	2.853657007	0.001054876	0.00917257	0.00016166	0.000230042	4.89414E-05	0.057481907	2.00037E-06	5.17183E-05	0.000554784	0.002081586	0
2027 Jul	0.000664745	0.087185234	1.02147E-05	0.90245986	1.233291268	0.014653805	0.000121831	2.730640173	0.001009188	0.009197515	0.000107192	0.00020176	4.40731E-05	0.050997574	2.04293E-06	5.11165E-05	0.000432101	0.001963104	0
2027 Aug	0.000721479	0.08375968	1.01821E-05	0.966146529	1.333248377	0.012768527	0.000229885	3.15803194	0.001002708	0.009021807	8.06531E-05	0.000133739	4.70568E-05	0.056546561	2.03643E-06	5.43229E-05	0.000289516	0.001632961	0
2027 Sep	0.000906408	0.089564182	1.03639E-05	1.117275953	1.688730359	0.010686447	0.000484815	4.068238735	0.001032386	0.010602308	3.46915E-05	5.00015E-05	4.59932E-05	0.070758037	2.07278E-06	7.60721E-05	0.000200583	0.001276335	0
2027 Oct	0.000982155	0.094222978	1.02548E-05	1.143903494	1.811771393	0.009974428	0.000564477	4.309615612	0.001024369	0.011429142	2.36305E-05	2.86017E-05	4.22734E-05	0.07454025	2.05095E-06	8.53204E-05	0.000201027	0.001169398	0
2027 Nov	0.000983654	0.09418036	1.02061E-05	1.141246438	1.813344002	0.009883761	0.000567921	4.309689045	0.001019712	0.011442684	2.27456E-05	2.69578E-05	4.18389E-05	0.07451345	2.04121E-06	8.56414E-05	0.000200258	0.001157091	0
2027 Dec	0.000983723	0.094178416	1.02038E-05	1.141124964	1.813415766	0.009879618	0.000568079	4.309692383	0.001019499	0.011443302	2.27052E-05	2.68827E-05	4.18191E-05	0.074512221	2.04077E-06	8.56561E-05	0.000200223	0.001156528	0
2028 Jan	0.000985294	0.094662741	1.0203E-05	1.144824982	1.824062705	0.010209566	0.000567654	4.323670864	0.001022128	0.011447791	2.42783E-05	2.72089E-05	4.19638E-05	0.074913055	2.04059E-06	8.5684E-05	0.000203436	0.001157058	0
2028 Feb	0.000987419	0.095325716	1.02025E-05	1.14992547	1.838598251	0.010662158	0.000567021	4.342784405	0.001025794	0.011453721	2.64432E-05	2.768E-05	4.21683E-05	0.075461596	2.0405E-06	8.57173E-05	0.000207843	0.001157971	0
2028 Mar	0.000988564	0.095682979	1.02022E-05	1.15267396	1.846431017	0.010906046	0.000566679	4.353084087	0.00102777	0.011456916	2.76097E-05	2.7934E-05	4.22785E-05	0.075757191	2.04045E-06	8.57352E-05	0.000210218	0.001158463	0
2028 Apr	0.0009892	0.095881276	1.02021E-05	1.154199481	1.85077858	0.011041415	0.00056649	4.358800411	0.001028866	0.01145869	2.82572E-05	2.80749E-05	4.23397E-05	0.07592126	2.04042E-06	8.57451E-05	0.000211536	0.001158736	0
2028 May	0.000989653	0.096001022	1.0202E-05	1.157412171	1.854572892	0.011152353	0.00056698	4.407042027	0.001030068	0.011466573	2.88614E-05	2.82713E-05	4.24261E-05	0.076238528	2.05239E-06	8.58517E-05	0.000212428	0.001159245	1.49568E-07
2028 Jun	0.000918869	0.082425326	1.00895E-05	5.218441963	3.537225008	0.061558973	0.001483671	86.35225677	0.001978782	0.022960987	0.000102255	0.000322209	9.83963E-05	0.461598009	2.42612E-05	0.000255878	0.000469836	0.002227474	0.000277348
2028 Jul	0.001057505	0.088918597	1.06659E-05	6.011082649	3.986149073	0.068698481	0.0017161 28	101.3030701	0.002175976	0.025649458	0.000111917	0.000312472	0.000110246	0.53555727	2.82882E-05	0.00029082	0.000371881	0.002140068	0.000326123
2028 Aug	0.001410253	0.080395944	1.04118E-05	11.26767731	6.794148445	0.123328954	0.003414634	203.1097107	0.003322979	0.041885357	9.19067E-05	0.000395926	0.000178021	1.035761356	5.52555E-05	0.000537286	0.000256013	0.002125374	0.000663007
2028 Sep	0.001801234	0.078947403	1.02352E-05	16.02742767	9.483124733	0.172432944	0.005037503	294.5739441	0.004372432	0.057774868	5.95587E-05	0.000472915	0.000234536	1.489332914	7.94227E-05	0.000772309	0.00023118	0.002157945	0.000964784
2028 Oct	0.001390275	0.089613855	1.01516E-05	7.738687992	5.285244942	0.081189789	0.002601666	132.6666412	0.002497642	0.032405067	2.89191E-05	0.000208265	0.000125009	0.702179313	3.6199E-05	0.000395111	0.000211717	0.001525623	0.000426044
2028 Nov	0.001288277	0.090466209	1.0087E-05	6.091135025	4.418502808	0.06332054	0.002097961	100.7122192	0.002122262	0.027174633	2.63385E-05	0.000161269	0.000103737	0.545763791	2.76826E-05	0.000318236	0.000207514	0.001417596	0.000320015
2028 Dec	0.001286712	0.090484746	1.00865E-05	6.065112591	4.404872894	0.063038252	0.002090011	100.2065659	0.002116376	0.027092416	2.63E-05	0.000160528	0.000103403	0.54329139	2.75479E-05	0.000317023	0.000207459	0.001415957	0.000318336
2029 Jan	0.001429547	0.089066632	1.00791E-05	45.89198685	14.6450901	0.079496771	0.006076774	1397.46167	0.006103803	0.03029529	4.1665E-05	0.00222953	0.000511219	4.094601631	2.93516E-05	0.000303356	0.001299917	0.009627772	0.024715675
2029 Feb	0.001657801	0.08664488	1.00675E-05	109.406517	30.9772892	0.105815783	0.012438394	3466.095215	0.012464187	0.035452921	6.56991E-05	0.005528667	0.001161599	9.758185387	3.23132E-05	0.000282331	0.003040752	0.022721332	0.063615344
2029 Mar	0.001826996	0.084711857	1.0059E-05	156.5679932	43.10240555	0.125291765	0.017162798	5002.118164	0.017186614	0.039288603	8.31116E-05	0.007978277	0.0016445	13.96356392	3.45241E-05	0.000266821	0.004332459	0.032443371	0.092498906
2029 Apr	0.001962481	0.083095871	1.00522E-05	194.3730011	52.82099152	0.140870973	0.020950267	6233.40625	0.020971974	0.042366263	9.68559E-05	0.009941856	0.002031585	17.33462715	3.63022E-05	0.000254438	0.00536745	0.040236477	0.115651883
2029 May	0.00218863	0.082883231	1.02744E-05	223.6428833	60.8670845	0.157387257	0.023747629	7133.544922	0.025276612	0.044792593	0.00011626	0.011358114	0.002325727	19.6825428	3.78461E-05	0.000397167	0.006223652	0.04576055	0.132479444
2029 Jun	0.002053017	0.084812656	1.08888E-05	124.3106537	36.83366776	0.145435244	0.013481025	3740.604004	0.019220505	0.039620202	0.000152579	0.005991554	0.00130023	10.12334824	4.02528E-05	0.000884538	0.00377107	0.024204526	0.068039224
2029 Jul	0.002672051	0.076743059	1.1895E-05	74.61225128	27.46454811	0.192213878	0.008964377	1821.684326	0.020874888	0.05160797	0.000124268	0.002811656	0.000775491	4.570566654	6.62973E-05	0.001813538	0.002361293	0.01084013	0.029910019
2029 Aug	0.004127593	0.066024482	1.34597E-05	141.4095001	49.71276474	0.300674081	0.016075594	3558.558838	0.037629683	0.074858084	0.000117614	0.005344633	0.001432144	8.763495445	9.93215E-05	0.003108538	0.004228163	0.019902151	0.06020071
2029 Sep	0.006023583	0.069955058	1.71424E-05	189.8536377	69.0742569	0.328660339	0.017981758	4350.005859	0.063783459	0.066216655	0.000118899	0.006269189	0.001812638	8.862277031	8.01063E-05	0.005323017	0.006440626	0.022305647	0.074927688
2029 Oct	0.004561001	0.077990308	1.48496E-05	149.0072784	52.89997482	0.257750601	0.015002661	3603.69165	0.04491806	0.058281239	9.52717E-05	0.005305933	0.001456143	8.00988102	6.86392E-05	0.003643203	0.004891491	0.01959957	0.062394459
2029 Nov	0.004782252	0.0774149	1.52089E-05	184.161438	62.27487946	0.252604306	0.017718762	4673.037598	0.050944909	0.053202312	0.000106145	0.006974152	0.001796125	10.58536911	5.73421E-05	0.003825995	0.006013441	0.026144903	0.083078675
2029 Dec	0.004622484	0.076580904	1.47077E-05	217.8180847	69.73748779	0.254095852	0.021278113	5888.370117	0.051331114	0.054462582	0.000116792	0.008958454	0.002152951	14.14504242	5.62601E-05	0.003467689	0.006848781	0.034247875	0.106276669
2030 Jan	0.004287427	0.075408213	1.37423E-05	269.2023621	80.69748688	0.255056351	0.027099183	7789.848633	0.050990816	0.056754008	0.000134073	0.012213427	0.002729937	19.80971909	5.49096E-05	0.002789295	0.008154452	0.047594216	0.142633602
2030 Feb	0.003965953	0.074228354	1.28096E-05	318.4343872	91.17575073	0.256258696	0.032780014	9613.640625	0.05071817	0.059030276	0.000150915	0.015386911	0.003293085	25.24586487	5.36599E-05	0.002133939	0.009430852	0.060602412	0.177510783
2030 Mar	0.003775117	0.073463462	1.22552E-05	347.7899475	97.42691803	0.256984591	0.036166526	10700.6875	0.050565857	0.060393818	0.000160769	0.017278105	0.003628783	28.48524666	5.29271E-05	0.001744452	0.010191757	0.068353832	0.19829759
2030 Apr	0.003643257	0.072906278	1.18719E-05	368.1311951	101.7599869	0.257491499	0.038512778	11453.74219	0.050464857	0.061341424	0.000167514	0.018588092	0.003861356	30.729002	5.24246E-05	0.001475133	0.010718933	0.07372278	0.212697163
2030 May	0.003557425	0.072528064	1.16134E-05	382.5013733	104.8475647	0.258121401	0.040161874	11982.92285	0.050465491	0.062003892	0.000172428	0.01950624	0.00402546	32.2996521	5.20597E-05	0.001285967	0.011094347	0.077488631	0.222812414
2030 Jun	0.002867019	0.075883433	1.14627E-05	223.4231262	63.98443985	0.212710723	0.024047932	6810.943359	0.033488855	0.053376559	0.000161376	0.011099391	0.002364059	18.28127098	5.37503E-05	0.001244022	0.006677902	0.044214338	0.125056908
2030 Jul	0.005373614	0.071691431	1.51306E-05	236.4625854	76.32494354	0.345730513	0.024113609	6352.057129	0.05628201	0.068990283	0.00015204	0.009528259	0.002451595	15.29638481	7.89461E-05	0.001858239	0.007631177	0.038165443	0.113541611
2030 Aug	0.005084365	0.069115043	1.40299E-05	335.744873	99.08076477	0.365712196	0.035515122	9896.646484	0.058558766	0.079245195	0.000163234	0.015566177	0.003544285	25.74614716	8.54343E-05	0.001281998	0.010104912	0.062351987	0.180649698
2030 Sep	0.004591942	0.069919042	1.29362E-05	382.0741272	108.3991013	0.3540456	0.040947475	11674.99023	0.056680661	0.081311166	0.00017285	0.018722234	0.004057714	31.18584633	8.35711E-05	0.000963973	0.011218078	0.074927352	0.214787528
2030 Oct	0.004411236	0.07366582	1.31017E-05	288.5794678	84.96229553	0.314645588	0.030867988	8556.416992	0.048972242	0.071202897	0.000135466	0.013494781	0.003056266	22.42644501	7.54302E-05	0.001009405	0.008666562	0.054236062	0.156199425
2030 Nov	0.00414932	0.072624877	1.25137E-05	317.7010803	90.99388885	0.298327029	0.033790249	9629.088867	0.049239799	0.067813583	0.000144804	0.01536261	0.003369585	25.51480484	6.72313E-05	0.000831794	0.009446967	0.061704546	0.177111045
2030 Dec	0.003842658	0.071949914	1.18466E-05	357.3026428	99.42488861	0.287889481	0.038065989	11084.76563	0.049418062	0.067261554	0.000159352	0.017908873	0.00379993	29.793293	6.25603E-05	0.000652802	0.010463842	0.071823403	0.205136791
2031 Jan	0.003654995	0.071576051	1.14371E-05	381.1282654	104.4769821	0.281619966	0.040689502	11962.53906	0.049524527	0.066956773	0.000168437	0.019469859	0.004063772	32.37678528	5.97524E-05	0.000543481	0.011087022	0.078026079	0.222041309
2031 Feb	0.003534849	0.07134755	1.1174E-05	396.1405029	107.6451874	0.277650535	0.042384673	12516.94629	0.049602401	0.0667715	0.000174363	0.020477656	0.004234256	34.01034164	5.79574E-05	0.000473252	0.011490059	0.082030542	0.232723653
2031 Mar	0.003452528	0.071167864	1.09935E-05	406.4707947	109.8265381	0.274932206	0.043550987	12898.29688	0.049659323	0.06664829	0.000178371	0.021170693	0.004351544	35.13375854	5.67298E-05	0.00042509	0.011767313	0.084784307	0.240070939
2031 Apr	0.003391163	0.071020521	1.08585E-05	414.3078003	111.4854965	0.272909999	0.04443467	13187.1582	0.049713258	0.066555969	0.000181375	0.021695269	0.004440472	35.98377991	5.5801E-05	0.000388888	0.011977908	0.08686877	0.245635539
2031 May	0.003452136	0.074962102	1.10058E-05	407.9730835	110.2309113	0.275442749	0.04368335	12946.22461	0.049896214	0.065742604	0.000203852	0.021283049	0.004373772	35.24077606	5.50505E-05	0.000411133	0.011857685	0.085232154	0.241068318
2031 Jun	0.003850591	0.094564766	1.20959E-05	321.227478	91.01747894	0.291001678	0.034166258	9845.396484	0.047382928	0.062717475	0.000298956	0.015949572	0.003440396	26.2384491	5.85294E-05	0.000699798	0.009723586	0.064026959	0.181847721
2031 Jul	0.003862946	0.077670217	1.17771E-05	348.6295776	97.72646332	0.311240673	0.037851334	10782.54297	0.048555356	0.072342977	0.00022123	0.017579172	0.003743352	29.06118393	7.21959E-05	0.000741386	0.010251876	0.070331283	0.19888854
2031 Aug	0.006453595	0.064774178	1.62007E-05	321.5341187	101.2846832	0.434812278	0.033258256	8830.268555	0.070742577	0.082249351	0.00015445	0.013400146	0.003363275	21.50725746	9.25768E-05	0.001665431	0.010075031	0.053661287	0.159119844
2031 Sep	0.010489941	0.067392595	2.37626E-05	323.7388	117.0680695	0.556128442	0.028144401	7224.520996	0.112283729	0.068948299	0.000128014	0.009190175	0.00320769	12.87187672	7.08505E-05	0.002688491	0.011603003	0.037415527	0.127161637
2031 Oct	0.007532237	0.072091594	1.88193E-05	287.087738	96.76266479	0.422713041	0.027107166	7175.833984	0.080902763	0.063616529	0.000121814	0.010126603	0.002922995	15.35508633	6.41604E-05	0.001854916	0.009699669	0.041016512	0.128517896
2031 Nov	0.006455141	0.071322434	1.66733E-05	342.1884766	105.9001236	0.383623898	0.033844177	9480.132813	0.074673653	0.063737586	0.000144913	0.014409562	0.003557058	22.74243546	5.88326E-05	0.001417853	0.010938625	0.058027782	0.173186198
2031 Dec	0.00560267	0.071017668	1.50301E-05	371.7432556	109.7501602	0.352956563	0.037784968	10829.81348	0.068561621	0.064241916	0.000158339	0.016998935	0.003908688	27.29166603	5.66013E-05	0.001107885	0.011510514	0.068290323	0.199449271
2032 Jan	0.005090965	0.070871241	1.40425E-05	388.8589783	111.8951416	0.334630966	0.040163297	11620.01563	0.064897627	0.064564653	0.000166588	0.018559866	0.004120974	29.96821404	5.52844E-05	0.000921733	0.011856885	0.07447657	0.214840576
2032 Feb	0.004765166	0.070792593	1.3413E-05	399.1254883	113.0935669	0.322999597	0.041685887	12102.86523	0.062569112	0.064778596	0.00017193	0.019558141	0.004256957	31.61686707	5.44527E-05	0.000803108	0.012079542	0.078432873	0.224261388
2032 Mar	0.004528365	0.070712887	1.29553E-05	406.6228943	113.9730377	0.314546734	0.042796537	12455.00391	0.060879547	0.064937919	0.000175759	0.020285765	0.004356181	32.81849289	5.38515E-05	0.000716863	0.012242244	0.081316561	0.231131047

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.004344592	0.070640199	1.26001E-05	412.4583435	114.6595917	0.307987273	0.043660391	12728.8584	0.059569709	0.065063417	0.000178705	0.02085143	0.004433371	33.75263214	5.33865E-05	0.000649919	0.012368928	0.083558396	0.236473098
2032 May	0.004236325	0.070727795	1.23877E-05	416.4023743	115.1929932	0.304511398	0.044234537	12907.1709	0.058830269	0.065212406	0.000181841	0.021218827	0.004485372	34.35107422	5.31837E-05	0.000606708	0.012460336	0.085016556	0.239938438
2032 Jun	0.004699811	0.073723629	1.40653E-05	296.2408142	88.37059784	0.311019152	0.030709423	8582.735352	0.055238497	0.059725061	0.000172082	0.01362527	0.003148616	21.68074989	5.67913E-05	0.00091816	0.009295124	0.054929797	0.157363772
2032 Jul	0.005234547	0.070900857	1.49596E-05	265.1749268	83.21866608	0.360272169	0.027880888	7336.255371	0.056252025	0.071063839	0.000156707	0.011352165	0.002803441	18.04731369	7.89629E-05	0.001175332	0.008346801	0.045758452	0.132222369
2032 Aug	0.007982546	0.064430155	1.95848E-05	330.5162048	109.8969803	0.477558404	0.031764816	8406.871094	0.087413624	0.073571883	0.000139666	0.012100784	0.00338411	18.42938805	7.78261E-05	0.00161793	0.010887957	0.049082976	0.150730178
2032 Sep	0.005351467	0.066620655	1.44931E-05	353.1350403	104.7841263	0.376929194	0.037448838	10303.43457	0.063271277	0.07582663	0.000156572	0.016447213	0.003772367	26.33047485	7.7676E-05	0.001011335	0.010806419	0.066016637	0.188518956
2032 Oct	0.00429647	0.070731513	1.26381E-05	384.8876953	108.0554504	0.326466709	0.041781086	11830.39063	0.055740785	0.073112912	0.00017198	0.019503469	0.004172149	31.52371979	6.89219E-05	0.000671935	0.011493449	0.078137852	0.218671933
2032 Nov	0.004432604	0.070057534	1.28214E-05	401.6131287	112.5915222	0.322967201	0.043002151	12322.1416	0.059050716	0.069134682	0.000175685	0.020271154	0.00434123	32.61816406	6.0959E-05	0.000623108	0.01207571	0.081280403	0.228303954
2032 Dec	0.004468264	0.070007153	1.28935E-05	400.7731323	112.5257797	0.321851075	0.042783663	12274.10156	0.059486613	0.068126783	0.000174755	0.02016688	0.004328346	32.41659927	5.94285E-05	0.000621973	0.01207479	0.080884993	0.227444217
2033 Jan	0.004104367	0.070112929	1.21791E-05	411.2577209	113.5210648	0.306427419	0.045073461	12785.86523	0.057105146	0.067555256	0.000181126	0.021339916	0.004522876	34.1717453	5.70568E-05	0.000507818	0.012367249	0.085524201	0.237542912
2033 Feb	0.003873834	0.070197769	1.1725E-05	415.9771118	113.6423645	0.296732783	0.04698601	13048.21289	0.055607874	0.067212969	0.000185324	0.022094013	0.00467446	35.11402512	5.55694E-05	0.000435313	0.012557718	0.08850652	0.242784441
2033 Mar	0.003724172	0.070212372	1.14299E-05	419.1003113	113.7350769	0.290440172	0.048235901	13220.53125	0.054641105	0.066997334	0.000187953	0.022587281	0.004773634	35.73136902	5.46091E-05	0.000388204	0.012682954	0.090457372	0.246224925
2033 Apr	0.003615113	0.070203871	1.12147E-05	421.4042358	113.8092422	0.285855263	0.049150605	13347.04688	0.053939112	0.066843323	0.000189823	0.022948481	0.004846263	36.18387985	5.39119E-05	0.000353859	0.012774961	0.091885932	0.248749822
2033 May	0.00381119	0.08665657	1.18158E-05	377.0590515	103.9709549	0.289470673	0.044025097	11761.16602	0.05165223	0.0623881	0.000270026	0.020145115	0.004349298	31.51953125	5.07284E-05	0.000451338	0.011640299	0.080712974	0.218713909
2033 Jun	0.004876724	0.102105759	1.40087E-05	292.2229004	88.00901031	0.342829317	0.03356044	8447.954102	0.052770164	0.063318878	0.000342716	0.013940232	0.003319489	21.39586067	6.11577E-05	0.000912952	0.009391279	0.055907428	0.154600576
2033 Jul	0.004916844	0.087168507	1.38115E-05	312.1343994	92.83896637	0.360724837	0.03722354	9135.728516	0.053768601	0.072196282	0.000268887	0.015290933	0.003604628	23.51469803	7.38022E-05	0.000980697	0.009830585	0.061135229	0.166991919
2033 Aug	0.005314122	0.069639571	1.41409E-05	381.3567505	110.7289429	0.387017429	0.046365026	11352.58691	0.061925426	0.078831159	0.000188606	0.019280639	0.004469647	29.47182655	7.74202E-05	0.000996477	0.011856481	0.076935902	0.208642617
2033 Sep	0.007857772	0.070358515	1.91821E-05	282.4849548	96.76800537	0.464001745	0.03124135	6927.15918	0.073406175	0.070616774	0.000125089	0.010296182	0.003084637	14.58553791	7.42999E-05	0.001781574	0.009264706	0.041098401	0.123099931
2033 Oct	0.007436076	0.072384544	1.8687E-05	219.5917664	80.03262329	0.436862409	0.024056463	4957.51123	0.064590417	0.068163753	0.000101314	0.00687858	0.002344555	9.459769249	7.63896E-05	0.00180065	0.007273373	0.027466042	0.085890695
2033 Nov	0.006037522	0.072882205	1.61515E-05	257.1361694	83.54970551	0.373027593	0.029808121	6795.149414	0.057514224	0.065039419	0.000119803	0.010706708	0.002891646	15.75958347	6.7036E-05	0.001328282	0.008263806	0.042840593	0.122184135
2033 Dec	0.005456636	0.0723444	1.49772E-05	290.8373718	89.36834717	0.351314723	0.034468483	8177.744629	0.056058709	0.065191127	0.000135034	0.013424927	0.003341357	20.13373566	6.37489E-05	0.001105086	0.009219799	0.053711422	0.148983195
2034 Jan	0.005051742	0.071991868	1.41577E-05	313.7492065	93.27065277	0.336234391	0.038351066	9122.898438	0.055048663	0.065310419	0.000145772	0.015324195	0.003716159	23.132061	6.14729E-05	0.000949469	0.009888348	0.061306782	0.167315766
2034 Feb	0.004769067	0.071753427	1.35852E-05	329.2064514	95.85224915	0.325729728	0.041642152	9765.44043	0.054347921	0.065399364	0.000153328	0.016653795	0.004034007	25.17786598	5.98874E-05	0.000840744	0.010356875	0.066623874	0.179791167
2034 Mar	0.004556027	0.071559422	1.31535E-05	340.8781433	97.80313873	0.317813456	0.044125941	10250.44531	0.053821858	0.06546881	0.000158988	0.017657232	0.004273883	26.72180176	5.86944E-05	0.000758785	0.010710582	0.070636623	0.189207435
2034 Apr	0.004383395	0.071395107	1.28037E-05	350.3471375	99.38660431	0.311398953	0.046140339	10643.83301	0.053396598	0.065526277	0.000163559	0.018471036	0.004468425	27.97394371	5.77286E-05	0.000692363	0.0109975	0.073890992	0.196844727
2034 May	0.004225882	0.075590365	1.25496E-05	347.006958	97.96485138	0.305146605	0.046277672	10598.60938	0.051979572	0.064714655	0.000189168	0.018479289	0.00448228	27.98937798	5.66128E-05	0.000648577	0.010926323	0.073936939	0.196161419
2034 Jun	0.004458256	0.094248101	1.32733E-05	283.2814026	83.68757629	0.31808275	0.037645265	8349.416992	0.048252195	0.062451325	0.000285616	0.014339884	0.003645999	21.542593	5.9498E-05	0.000826745	0.009164516	0.057418607	0.15319182
2034 Jul	0.005622063	0.08368887	1.51718E-05	302.5578918	92.00216675	0.374554425	0.04025374	8616.638672	0.058983628	0.067296796	0.000235983	0.014554137	0.0039221	21.49232864	6.55581E-05	0.001118183	0.009961134	0.058183126	0.157307997
2034 Aug	0.004343332	0.070340112	1.25215E-05	362.803009	101.7476654	0.345141381	0.052458216	11192.22363	0.053461708	0.078171663	0.000188643	0.019822998	0.005015261	30.06780815	7.69156E-05	0.000771385	0.011432235	0.079115778	0.206441224
2034 Sep	0.008280825	0.071170285	1.99036E-05	277.5996399	94.17962646	0.484088987	0.035489593	6905.829102	0.077584997	0.071695223	0.000129831	0.010739459	0.003511196	14.8595314	7.44465E-05	0.001863836	0.009756908	0.042842515	0.122963279
2034 Oct	0.007495569	0.072639249	1.87502E-05	243.7745667	83.24640656	0.430689663	0.03107997	6020.482422	0.069164865	0.064131647	0.000115461	0.009318006	0.003078181	12.83990097	6.54621E-05	0.001673955	0.008616166	0.03727942	0.107080095
2034 Nov	0.005985451	0.0719257	1.58385E-05	301.979187	92.1752243	0.371677577	0.041083455	8526.753906	0.062505521	0.064181551	0.000142414	0.014386604	0.004024167	20.98615646	5.96253E-05	0.001166643	0.010099081	0.057560991	0.15581879
2034 Dec	0.005218305	0.071444474	1.43401E-05	333.7955322	97.26111603	0.34286359	0.046512626	9876.979492	0.059283491	0.06460759	0.00015714	0.017104706	0.004537312	25.34843063	5.70972E-05	0.000907861	0.010917695	0.068430357	0.182017356
2035 Jan	0.00475768	0.071180589	1.34393E-05	353.0223083	100.3447952	0.325626522	0.050450705	10691.96484	0.057358019	0.064878695	0.000166141	0.018744752	0.004911053	27.98005676	5.55918E-05	0.000752321	0.011413125	0.074988395	0.197828203
2035 Feb	0.004463145	0.071023256	1.28632E-05	365.2565613	102.3026886	0.314627916	0.053555254	11211.07031	0.05612025	0.065059617	0.000171914	0.019789739	0.005206701	29.65743446	5.46479E-05	0.000653085	0.011727968	0.079166867	0.207898811
2035 Mar	0.004254175	0.070895977	1.24544E-05	373.9534302	103.6958466	0.306824952	0.055760387	11579.92383	0.055243541	0.065190732	0.00017597	0.020532141	0.00541669	30.84906197	5.39814E-05	0.00058268	0.011951738	0.082135379	0.215054095
2035 Apr	0.004092612	0.070788918	1.21383E-05	380.6888428	104.7756882	0.300792575	0.05746723	11865.48535	0.054566778	0.065293387	0.000179088	0.021106826	0.005579228	31.77143288	5.34672E-05	0.00052824	0.012125048	0.084433258	0.220593378
2035 May	0.003971942	0.071982555	1.19179E-05	382.0646057	104.7037811	0.296499461	0.058196694	11956.46973	0.053736497	0.065235943	0.0001879	0.021314599	0.005647325	32.12464142	5.32263E-05	0.00049408	0.012151861	0.085265771	0.22240524
2035 Jun	0.003767233	0.086458951	1.21563E-05	272.1681519	77.79247284	0.288488925	0.041763883	8295.633789	0.042681478	0.062719136	0.000247697	0.014678167	0.004011739	22.12865639	6.08553E-05	0.000684495	0.008842218	0.05879565	0.15264684
2035 Jul	0.003779694	0.079744406	1.2034E-05	290.24823	82.10806274	0.298799455	0.045635235	8924.200195	0.043966167	0.067651019	0.00021806	0.015853619	0.004363632	24.00831413	6.71534E-05	0.000697765	0.009315629	0.063422583	0.164258361
2035 Aug	0.007073805	0.064426005	1.73393E-05	289.9114075	91.79626465	0.464864403	0.043761794	7926.914551	0.069292381	0.081218235	0.000150149	0.013263715	0.004221825	19.29805374	8.93066E-05	0.001635398	0.010012567	0.052772019	0.142532617
2035 Sep	0.009702564	0.071359664	2.26084E-05	257.9302368	90.73297882	0.523082614	0.034952369	6054.014648	0.08959914	0.064032644	0.000121957	0.009226143	0.003562925	11.88829803	6.19559E-05	0.002133755	0.010138947	0.036885563	0.107202895
2035 Oct	0.00705399	0.072395861	1.78237E-05	274.9904175	87.22861481	0.417625487	0.040685121	7449.681152	0.069363683	0.065411814	0.00013393	0.012406779	0.004010152	17.65855598	6.31239E-05	0.001476104	0.009836414	0.04962036	0.134946585
2035 Nov	0.005880643	0.071622878	1.56256E-05	281.9957886	85.62499237	0.375338912	0.043217208	8047.27002	0.060234815	0.067481183	0.000139385	0.013776626	0.004198152	20.1895256	6.63269E-05	0.001204787	0.009658503	0.055074707	0.146695226
2035 Dec	0.005196405	0.071273796	1.42944E-05	315.9059448	91.81948853	0.347620964	0.049281072	9400.907227	0.057781991	0.067015648	0.000153595	0.016418612	0.004781685	24.38621521	6.22959E-05	0.000956258	0.010513369	0.065652139	0.172926396
2036 Jan	0.004944828	0.071185485	1.38038E-05	328.3856506	94.1014328	0.337533921	0.051514488	9899.073242	0.056876998	0.066874109	0.00015899	0.017390989	0.004996448	25.93144035	6.08618E-05	0.000865143	0.010827863	0.069544598	0.182577327
2036 Feb	0.004944137	0.071255602	1.38029E-05	328.3118591	94.08190918	0.337503821	0.051502861	9896.830078	0.056864675	0.066862114	0.000159171	0.017387092	0.004995344	25.92562294	6.08485E-05	0.000864969	0.010825882	0.069529161	0.182535857
2036 Mar	0.004943763	0.07129357	1.38024E-05	328.2718506	94.07132721	0.337487519	0.051496565	9895.613281	0.056858003	0.066855609	0.000159269	0.017384982	0.004994745	25.922472	6.08412E-05	0.000864875	0.010824808	0.069520801	0.182513416
2036 Apr	0.004964026	0.071526334	1.38364E-05	327.8462219	94.02118683	0.338570386	0.051419608	9876.311523	0.056979533	0.066905364	0.000159918	0.017346902	0.004987663	25.85933495	6.0954E-05	0.000870938	0.010820191	0.069367126	0.182133228
2036 May	0.005009156	0.072319001	1.39143E-05	326.0840454	93.71395111	0.341146171	0.051122993	9806.270508	0.057174206	0.067028247	0.000162915	0.017213441	0.004959409	25.64591217	6.13072E-05	0.000886342	0.010786718	0.068830021	0.180768654
2036 Jun	0.005489867	0.077089563	1.55867E-05	199.438797	64.13709259	0.354302406	0.030569255	5400.790039	0.051164944	0.062628984	0.000171117	0.00912975	0.002956395	13.13171101	6.75656E-05	0.001268494	0.007279337	0.036617652	0.096678704
2036 Jul	0.007180709	0.072409719	1.84985E-05	110.962944	46.93273926	0.464520514	0.017087843	2051.783447	0.055143364	0.081319474	0.000127923	0.002790228	0.001549488	3.514898062	0.00010737	0.002062505	0.004811723	0.010907708	0.030427955
2036 Aug	0.00760667	0.067330256	1.88394E-05	107.3839264	47.43312073	0.505485594	0.016874062	1831.122925	0.057347428	0.090411022	0.000116987	0.002317747	0.001483533	2.894488573	0.000122967	0.002272458	0.004691315	0.008841273	0.025233572
2036 Sep	0.012264319	0.064562559	2.67012E-05	168.5171204	73.50059509	0.684021413	0.02278663	2661.381836	0.102146648	0.085282065	0.000104513	0.003042669	0.002316153	2.178251743	0.000104546	0.003147626	0.008473193	0.011763833	0.03997748
2036 Oct	0.011154922	0.074734233	2.56925E-05	149.5726318	64.83825684	0.556371272	0.01890322	2315.302734	0.094364345	0.055726346	8.22532E-05	0.002575869	0.002064083	1.19986093	5.65006E-05	0.00259712	0.007962828	0.01040963	0.036495883
2036 Nov	0.010762575	0.07351692	2.48569E-05	144.1896973	62.78094482	0.553442538	0.018666875	2240.58374	0.090035386	0.060812026	8.22053E-05	0.002509437	0.001988747	1.3643778	6.58588E-05	0.002576026	0.007562628	0.010065474	0.034744121
2036 Dec	0.010597199	0.073396109	2.45506E-05	141.8517761	61.83925629	0.548596978	0.018473748	2206.212402	0.088354498	0.06160704	8.17109E-05	0.002475038	0.001956436	1.392436504	6.75273E-05	0.00255208	0.007413875	0.009917469	0.034073863
2037 Jan	0.0105793	0.073678292	2.45228E-05	141.5796051	61.72710419	0.547673702	0.018437743	2201.911865	0.088187799	0.061497025	8.23649E-05	0.002470375	0.001952783	1.3896210 19	6.73752E-05	0.00254714	0.007401667	0.009900685	0.034008432
2037 Feb	0.010569525	0.074023254	2.45064E-05	141.4239044	61.66669083	0.547287822	0.018417312	2199.446289	0.088091411	0.061443541	8.33488E-05	0.002467852	0.001950731	1.388406277	6.73016E-05	0.002544384	0.007395696	0.009891282	0.033970132
2037 Mar	0.010564194	0.074211404	2.44975E-05	141.3390045	61.63373566	0.547077358	0.018406168	2198.101563	0.088038839	0.061414365	8.38854E-05	0.002466476	0.001949611	1.387743711	6.72614E-05	0.002542881	0.00739244	0.009886153	0.033949248
2037 Apr	0.010561163	0.074318402	2.44924E-05	141.2907257	61.61499786	0.546957672	0.018399831	2197.336914	0.088008948	0.061397776	8.41905E-05	0.002465693	0.001948974	1.38736701	6.72386E-05	0.002542026	0.007390588	0.009883236	0.033937365
2037 May	0.007405462	0.123593725	1.93469E-05	94.38925171	42.63843918	0.41798991	0.012770684	1469.898926	0.057983637	0.052151218	0.000368934	0.001742078	0.001334883	1.211234331	5.80235E-05	0.001791848	0.005199472	0.00716434	0.022024343
2037 Jun	0.006084922	0.12739566	1.69093E-05	73.52960205	34.430439	0.40362969	0.011605043	1169.762085	0.044441558	0.064066619	0.000435003	0.001557892	0.001094785	1.617476583	8.12231E-05	0.001669144	0.004082138	0.00628062	0.015738143
2037 Jul	0.006669069	0.08723928	1.72912E-05	81.3239975	37.85701752	0.47521618	0.014384054	1325.392212	0.04796353	0.089000069	0.0002361	0.001791851	0.001215817	2.349198103	0.000122556	0.002079912	0.003982367	0.006809118	0.016283086
2037 Aug	0.007887074	0.068478078	1.87191E-05	97.13525391	44.84569168	0.566322505	0.017549677	1590.342773	0.057732265	0.107064426	0.0001608	0.00211743	0.00145798	2.870940924	0.000150693	0.002526653	0.004586938	0.007777775	0.019348824
2037 Sep	0.008944481	0.064819366	2.07032E-05	109.0069275	49.44386673	0.584358215	0.018628756	1759.21814	0.068573482	0.099399127	0.000113066	0.002294228	0.001655307	2.60087347	0.000135162	0.002649231	0.005512582	0.008601273	0.023022177
2037 Oct	0.00704484	0.072117329	1.81211E-05	82.63342285	37.77749252	0.441083878	0.014222772	1329.000977	0.052375793	0.077313341	7.49056E-05	0.001732182	0.001262462	1.955111027	0.000101039	0.002021176	0.004240164	0.006756643	0.017453877
2037 Nov	0.006678353	0.072853997	1.75578E-05	77.8491745	35.73382187	0.420393586	0.013540603	1253.92688	0.049035676	0.075411037	7.16104E-05	0.001637924	0.001189055	1.904759526	9.8534E-05	0.001927123	0.003963826	0.006417484	0.016304808
2037 Dec	0.006711981	0.072880395	1.76205E-05	78.25154114	35.89278412	0.421249837	0.013576563	1259.731079	0.049383461	0.075199589	7.16724E-05	0.001644676	0.001195611	1.897517323	9.81121E-05	0.001931463	0.003994837	0.006447283	0.016425313
2038 Jan	0.006706296	0.073051624	1.76129E-05	78.16829681	35.85808182	0.420857906	0.01356122	1258.338989	0.049334288	0.075114377	7.20797E-05	0.001642952	0.001194408	1.895124793	9.79784E-05	0.001929289	0.003991986	0.006441722	0.016408423
2038 Feb	0.006703016	0.07326109	1.76077E-05	78.11723328	35.83912659	0.420710623	0.013552167	1257.488892	0.049302399	0.075072668	7.26829E-05	0.001641987	0.001193682	1.894043803	9.79129E-05	0.001928041	0.003990695	0.006438384	0.016397225
2038 Mar	0.006701229	0.07337524	1.76049E-05	78.08940125	35.82879639	0.420630336	0.013547233	1257.025635	0.049285017	0.075049937	7.30117E-05	0.001641462	0.001193286	1.893454552	9.78772E-05	0.001927361	0.003989991	0.006436565	0.016391123
2038 Apr	0.006700214	0.073440045	1.76033E-05	78.0736084	35.8229332	0.420584738	0.013544433	1256.762451	0.049275149	0.07503704	7.31983E-05	0.001641164	0.001193061	1.89312017	9.7857E-05	0.001926974	0.003989592	0.006435532	0.01638766
2038 May	0.005956437	0.093518481	1.64339E-05	68.04359436	31.84420967	0.389229327	0.012017577	1097.230103	0.042339697	0.070606515	0.000192532	0.001468175	0.001049481	1.78883934	9.191E-05	0.00172143	0.003556869	0.005815405	0.013970785
2038 Jun	0.003969223	0.128629297	1.35557E-05	42.03972244	21.23430824	0.307711869	0.008244199	688.6610107	0.024523403	0.061229199	0.000424005	0.001075204	0.000680356	1.578976274	8.07347E-05	0.001220861	0.002402484	0.004454042	0.007587999
2038 Jul	0.006515759	0.095996574	1.78485E-05	72.81595612	33.56893539	0.414212793	0.012624956	1165.173828	0.049190897	0.066751905	0.000256167	0.001687959	0.001185123	1.672930479	8.54076E-05	0.001807004	0.004290208	0.006795182	0.015479757
2038 Aug	0.007398271	0.069075935	1.82029E-05	84.48310089	39.2556839	0.523828506	0.016250763	1386.130981	0.054162636	0.098275758	0.000153089	0.001973607	0.00136337	2.616665125	0.000137054	0.002337197	0.004337872	0.007365211	0.016588509
2038 Sep	0.008096439	0.06521865	1.92711E-05	90.59111786	41.7215271	0.544126451	0.017268226	1477.641846	0.060497459	0.098106906	0.000101125	0.002089028	0.001485639	2.5775556 56	0.000134488	0.002466109	0.004827712	0.007818365	0.018280655
2038 Oct	0.006515372	0.072894856	1.72822E-05	69.44044495	32.20834351	0.413765669	0.013302308	1125.992554	0.04746091	0.075484611	7.08472E-05	0.001601108	0.00115709	1.91082561	9.89828E-05	0.00189574	0.003828849	0.006272449	0.014118484
2038 Nov	0.006592812	0.072981402	1.74282E-05	70.12160492	32.46592712	0.415303499	0.013374995	1135.418701	0.04827477	0.074853905	7.06516E-05	0.001615724	0.001172019	1.889615774	9.77626E-05	0.001904093	0.003902009	0.006339486	0.014342204
2038 Dec	0.006638108	0.073069714	1.75188E-05	70.5509491	32.62577057	0.415921658	0.01340957	1141.245239	0.048764952	0.074368335	7.06582E-05	0.001623862	0.001180769	1.873708963	9.68562E-05	0.001907711	0.003946756	0.006379085	0.014488228
2039 Jan	0.006648525	0.073367923	1.75406E-05	70.61766815	32.651371	0.41600433	0.013410833	1141.97229	0.048879344	0.074183621	7.14693E-05	0.001625373	0.00118267	1.867974281	9.65225E-05	0.001907556	0.003959198	0.006387646	0.014517735
2039 Feb	0.006654421	0.073737614	1.75516E-05	70.63855743	32.66292953	0.416188896	0.013411054	1142.122803	0.048937935	0.074090682	7.25943E-05	0.001626276	0.001183687	1.865212798	9.63515E-05	0.001907458	0.003966909	0.006392252	0.014528998

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.006657381	0.073938727	1.75571E-05	70.64774323	32.66833878	0.416279942	0.013410833	1142.172363	0.048967365	0.074040569	7.32051E-05	0.001626712	0.001184191	1.863729358	9.62597E-05	0.001907361	0.003970892	0.006394535	0.014534511
2039 Apr	0.006655832	0.07405442	1.75547E-05	70.62448883	32.65992737	0.416209489	0.013406218	1141.77771	0.048952289	0.074017428	7.354E-05	0.00162624	0.001183842	1.863123536	9.62228E-05	0.001906722	0.003970398	0.006392927	0.014529633
2039 May	0.006600022	0.075477093	1.74128E-05	70.08345795	32.51387787	0.418564618	0.013405883	1135.30127	0.048243567	0.075371236	8.54386E-05	0.00162157	0.001173789	1.907214522	9.86152E-05	0.001909822	0.003915016	0.006351642	0.014295449
2039 Jun	0.004969422	0.068649344	1.50079E-05	51.42141724	24.55876541	0.367961168	0.011204978	857.5412598	0.034279052	0.076776758	0.000117944	0.001424251	0.000896283	2.006910801	0.000105966	0.001638845	0.002862489	0.00564021	0.009209669
2039 Jul	0.004307942	0.072782539	1.37871E-05	43.78324127	21.63942909	0.348469406	0.010467697	749.8104248	0.026278384	0.082494743	0.000116953	0.001217345	0.000748238	2.199001789	0.000117035	0.001548893	0.001988102	0.004663442	0.006800948
2039 Aug	0.005463679	0.07273104	1.62821E-05	52.15380859	24.59524345	0.35314399	0.011168377	854.0029297	0.038780659	0.066849589	9.24849E-05	0.001354553	0.00096674	1.701919913	8.86352E-05	0.001601782	0.003052496	0.005432945	0.010040314
2039 Sep	0.008081792	0.066554099	1.9801E-05	79.09275055	36.39348602	0.508779883	0.016370621	1285.236938	0.061771307	0.085316025	8.77754E-05	0.002021901	0.001479409	2.19005847	0.000113336	0.002321945	0.00496623	0.007761068	0.016119443
2039 Oct	0.007657316	0.068851873	1.89754E-05	74.63375854	34.56329727	0.486179531	0.015641993	1216.022461	0.057576619	0.084405206	7.93295E-05	0.001908987	0.001388077	2.161468029	0.000111987	0.002222948	0.004634264	0.007334568	0.015005486
2039 Nov	0.007895663	0.069116898	1.94234E-05	76.63976288	35.32800674	0.491756707	0.015884187	1244.008179	0.060059026	0.08272773	7.97147E-05	0.001955914	0.001434396	2.104543686	0.000108687	0.002251679	0.004856999	0.007545004	0.015653437
2039 Dec	0.007914521	0.069185153	1.94641E-05	76.77314758	35.37194061	0.491729289	0.01589123	1245.59668	0.060274296	0.082419664	7.96744E-05	0.001958786	0.001437986	2.094658375	0.00010813	0.002252003	0.004877242	0.007561163	0.01570929
2040 Jan	0.007924927	0.069403268	1.94854E-05	76.82878113	35.3967514	0.491823643	0.015894331	1246.188965	0.060388129	0.082255013	8.02442E-05	0.001960389	0.001439912	2.089482069	0.000107831	0.002252118	0.004889084	0.007569852	0.015735239
2040 Feb	0.007935316	0.06966953	1.95044E-05	76.88036346	35.42739487	0.492139548	0.015901817	1246.808594	0.060492668	0.082160346	8.106E-05	0.001962322	0.001441844	2.086496353	0.000107648	0.002252962	0.004900142	0.007578635	0.01575594
2040 Mar	0.00794183	0.069812991	1.95162E-05	76.91491699	35.44709015	0.4923428	0.015907077	1247.241333	0.060558062	0.082107209	8.15034E-05	0.001963564	0.001443064	2.084801674	0.000107545	0.002253574	0.004906891	0.007584188	0.015769109
2040 Apr	0.007949054	0.069891743	1.9529E-05	76.96075439	35.47058487	0.492586225	0.015914859	1247.872314	0.060630113	0.082069546	8.17622E-05	0.001965047	0.001444451	2.083528519	0.000107466	0.002254541	0.004913752	0.007590508	0.015784359
2040 May	0.007288139	0.087566704	1.85315E-05	69.51371765	32.56757736	0.460193455	0.014456138	1126.432007	0.054632749	0.076617353	0.000182728	0.001803123	0.001315815	1.943475604	9.95996E-05	0.00205522	0.004548447	0.007032102	0.014118734
2040 Jun	0.003297381	0.116696693	1.22568E-05	31.80766869	17.2891922	0.305229157	0.00805168	549.3717651	0.017324796	0.072056919	0.000374485	0.000996309	0.000557721	1.921744466	0.00010054	0.001217784	0.001691918	0.004003162	0.004225688
2040 Jul	0.006421858	0.07726045	1.73438E-05	59.195755	29.59341812	0.446537852	0.013716208	981.7704468	0.04680353	0.083465569	0.000170054	0.001746911	0.001172852	2.177074909	0.000113875	0.001982454	0.003893155	0.006783049	0.011066636
2040 Aug	0.009224861	0.063746393	2.12795E-05	84.85584259	41.38534164	0.596558928	0.018997779	1390.110229	0.071726762	0.098438069	0.00012648	0.002385426	0.001718637	2.572474718	0.000133621	0.00270054	0.005794777	0.008972223	0.017088752
2040 Sep	0.00967869	0.061662767	2.21909E-05	86.90386963	42.33114243	0.594079435	0.019240294	1410.796753	0.07668303	0.091508746	9.49789E-05	0.002425839	0.001801028	2.347180843	0.000120788	0.002713031	0.006220076	0.0092393	0.018133912
2040 Oct	0.008047804	0.067529775	1.96859E-05	71.45371246	35.20343399	0.498143911	0.016106734	1164.198242	0.061732389	0.082180351	8.07974E-05	0.00199492	0.001468493	2.089431524	0.000107749	0.002279918	0.00500127	0.00770342	0.014547977
2040 Nov	0.008084417	0.068076342	1.97925E-05	71.42740631	35.17341614	0.495200157	0.016046654	1161.500488	0.062248021	0.08055225	8.01341E-05	0.00199492	0.001474598	2.038088799	0.000104899	0.002268754	0.005055469	0.007729521	0.014652725
2040 Dec	0.008120303	0.068142585	1.9862E-05	71.66410828	35.27644348	0.49585855	0.016078448	1164.627686	0.062628008	0.080234624	8.01648E-05	0.002001639	0.001481522	2.027495861	0.000104291	0.002272335	0.005089916	0.00776091	0.014739208
2041 Jan	0.008136724	0.068347163	1.98935E-05	71.74913025	35.32338333	0.49620074	0.016090695	1165.662842	0.062799662	0.080071673	8.07195E-05	0.002004621	0.001484629	2.022212267	0.000103982	0.002273661	0.005106637	0.00777499	0.014774238
2041 Feb	0.008142223	0.068594217	1.99038E-05	71.76013184	35.3386116	0.496349305	0.016092248	1165.697998	0.062855169	0.079996288	8.14554E-05	0.002005509	0.001485604	2.019910336	0.000103842	0.002273755	0.005113254	0.007779407	0.01478288
2041 Mar	0.008146992	0.068728209	1.99125E-05	71.77725983	35.3531723	0.49649483	0.0160955	1165.879639	0.062902942	0.07995145	8.18617E-05	0.002006384	0.001486483	2.01850009	0.000103755	0.002274117	0.005118384	0.007783405	0.014791052
2041 Apr	0.008152645	0.068803906	1.99226E-05	71.80542755	35.37183762	0.496684521	0.016101325	1166.251221	0.062959194	0.079919606	8.21032E-05	0.002007529	0.001487561	2.017435312	0.00010369	0.002274836	0.005123833	0.007788312	0.014801438
2041 May	0.009014707	0.073354103	2.14159E-05	76.64972687	38.41944885	0.529545188	0.017206885	1235.397095	0.071464844	0.077585354	0.00011506	0.002199241	0.001657439	1.92906332	9.80359E-05	0.002417738	0.005901229	0.008572879	0.016377853
2041 Jun	0.003981899	0.069527641	1.33931E-05	37.25265884	19.91467476	0.326867789	0.009708737	642.4882202	0.024893591	0.076478444	0.000119553	0.001206532	0.000704448	2.022458792	0.000107543	0.001441532	0.002071464	0.004797514	0.005584475
2041 Jul	0.00488109	0.070950456	1.45347E-05	45.15143967	24.41360283	0.399145722	0.012028476	783.5620117	0.0305418	0.092962019	0.000119937	0.001392365	0.000862058	2.500866175	0.000133156	0.001775013	0.002303197	0.005203493	0.006727876
2041 Aug	0.009190731	0.065271087	2.15128E-05	77.50952148	41.34291077	0.601718724	0.019156208	1282.898926	0.070567191	0.10257902	0.000116512	0.002375451	0.001704958	2.690075636	0.000140162	0.002728382	0.005638243	0.008909154	0.015204299
2041 Sep	0.010902156	0.060398515	2.40179E-05	89.02533722	47.57353592	0.66698283	0.021635391	1452.960449	0.087388992	0.100163355	0.000102531	0.002742121	0.002040869	2.577961922	0.000132606	0.003047107	0.007093613	0.010347669	0.018647145
2041 Oct	0.009177747	0.066883489	2.1414E-05	73.73722839	39.76947021	0.557049096	0.01810406	1203.714233	0.071988694	0.086942941	8.59455E-05	0.002271682	0.001688944	2.203886271	0.000113222	0.002553483	0.005860932	0.008713816	0.015282436
2041 Nov	0.009187697	0.067806564	2.15265E-05	73.14486694	39.48712158	0.548628449	0.017890774	1190.166748	0.072434582	0.083651431	8.46181E-05	0.002257957	0.001689358	2.102473974	0.000107639	0.002518777	0.005918232	0.008712498	0.015346921
2041 Dec	0.009269647	0.067886166	2.16798E-05	73.62199402	39.74219131	0.550654769	0.01797677	1196.600952	0.073284067	0.083114006	8.47864E-05	0.002274295	0.001705312	2.084129095	0.000106573	0.002529095	0.005994177	0.00878502	0.015519643
2042 Jan	0.009282295	0.068143092	2.17062E-05	73.66122437	39.77153397	0.550747454	0.017980149	1196.880005	0.073423393	0.082907386	8.54488E-05	0.002276214	0.001707655	2.077635527	0.000106198	0.002529169	0.006008612	0.008795583	0.015545325
2042 Feb	0.009284927	0.068452112	2.1712E-05	73.64279938	39.77494812	0.550757885	0.017975809	1196.440186	0.073452011	0.082813703	8.6351E-05	0.002276361	0.001708045	2.074881315	0.000106032	0.002528457	0.006013368	0.008797316	0.015547123
2042 Mar	0.009291536	0.068619356	2.17242E-05	73.6595459	39.79494476	0.550947487	0.017980333	1196.584717	0.073518999	0.082749762	8.68599E-05	0.002277573	0.001709274	2.072867393	0.00010591	0.002528954	0.00602044	0.0088029	0.015557062
2042 Apr	0.009337967	0.068706706	2.18057E-05	73.88977814	39.95581818	0.552571714	0.018039668	1199.830444	0.073980875	0.082606636	8.72967E-05	0.0022876	0.001718354	2.067478657	0.000105577	0.002536536	0.006061421	0.008844326	0.015636573
2042 May	0.008743866	0.083095074	2.08799E-05	68.50608063	37.53938675	0.525815606	0.016815875	1112.358276	0.0684781	0.078887806	0.000170549	0.002146363	0.001602906	1.976665139	0.000100484	0.002370924	0.005707415	0.008341393	0.014370909
2042 Jun	0.003713724	0.075310722	1.29253E-05	34.19458771	19.07014084	0.32174772	0.009378631	597.8717651	0.021847773	0.078300886	0.000147824	0.001144316	0.00064889	2.084077358	0.000110877	0.001401503	0.001826284	0.004526949	0.0046715
2042 Jul	0.006281892	0.070585608	1.70339E-05	49.80105591	28.35710144	0.421563148	0.013196837	833.7655029	0.045797627	0.078633845	0.000117689	0.001650074	0.001136549	2.036761522	0.000106658	0.001900939	0.003684877	0.006403579	0.009206071
2042 Aug	0.005888358	0.062569164	1.66272E-05	44.8731308	26.38637733	0.386790365	0.012315414	749.3112183	0.042694964	0.071959578	6.8291E-05	0.001474672	0.001062426	1.858930707	9.67404E-05	0.001757195	0.003355318	0.005818822	0.008288403
2042 Sep	0.007093759	0.064764015	1.83042E-05	52.6787796	31.21597099	0.446983904	0.014398873	872.7263184	0.053391118	0.077015392	7.05449E-05	0.001758673	0.001288583	1.967558384	0.000101756	0.002042476	0.004282095	0.006853003	0.010272188
2042 Oct	0.006753404	0.069599435	1.75108E-05	50.8665123	30.13482094	0.439104974	0.014065862	850.119873	0.049245678	0.081015557	7.07236E-05	0.001683678	0.001208871	2.078691721	0.000108057	0.00200714	0.003939525	0.00650326	0.009507086
2042 Nov	0.007189772	0.069851853	1.82998E-05	53.13412094	31.57832909	0.452271193	0.014585082	881.4430542	0.053667016	0.07905931	7.20428E-05	0.001774904	0.001294058	2.008579254	0.000103892	0.002072003	0.004330429	0.006891718	0.010314746
2042 Dec	0.007272933	0.069894984	1.84506E-05	53.56557465	31.85285568	0.454763085	0.014683572	887.3913574	0.054511078	0.078678004	7.22907E-05	0.001792269	0.001310308	1.994981885	0.000103086	0.002084285	0.004405052	0.006965798	0.010468978
2043 Jan	0.007308482	0.070081227	1.8515E-05	53.73654938	31.96952057	0.455853194	0.014723103	889.6828003	0.054870375	0.078492753	7.29122E-05	0.001799578	0.001317193	1.988587379	0.000102702	0.002089178	0.004437949	0.006997188	0.010532814
2043 Feb	0.007310252	0.070315421	1.85187E-05	53.7253952	31.97226334	0.455879867	0.014720167	889.4064941	0.054888703	0.07843212	7.36063E-05	0.001799687	0.001317447	1.986822367	0.000102594	0.002088706	0.00444122	0.006998328	0.010534092
2043 Mar	0.007308157	0.070443861	1.85154E-05	53.70518112	31.962883	0.455781311	0.014714387	889.0526733	0.054868486	0.078405097	7.3973E-05	0.001799069	0.001316984	1.98611474	0.000102552	0.002087907	0.004440377	0.006996203	0.010529958
2043 Apr	0.007307105	0.070516855	1.85138E-05	53.69432831	31.95804405	0.455730379	0.01471129	888.8607178	0.05485836	0.078389458	7.4182E-05	0.001798748	0.001316748	1.985700846	0.000102527	0.002087477	0.004440017	0.006995118	0.010527826
2043 May	0.006779402	0.0849116 07	1.76789E-05	49.67539597	29.86250877	0.433844477	0.013636273	823.1113281	0.049909871	0.075407416	0.000159285	0.001676572	0.00121463	1.916221499	9.85533E-05	0.001943111	0.004130951	0.006555148	0.009548584
2043 Jun	0.003179741	0.1152509	1.23806E-05	25.31137466	15.74810028	0.272013873	0.007196074	436.8679504	0.017547159	0.061649255	0.00035165	0.000931137	0.000533898	1.606013775	8.3459E-05	0.001084608	0.001756503	0.003917599	0.0033467
2043 Jul	0.006289787	0.078582115	1.73555E-05	43.70414352	27.62236023	0.402059883	0.012561821	727.7783813	0.046866734	0.06960348	0.000152997	0.001624201	0.001137757	1.762538075	9.13294E-05	0.001801104	0.003892337	0.006460789	0.00838293
2043 Aug	0.006919053	0.064379677	1.78321E-05	50.20294189	31.50549889	0.467346013	0.014739475	848.1768799	0.050984193	0.085966721	0.000102062	0.001791407	0.001265188	2.254380465	0.000117795	0.002110442	0.004041646	0.006833154	0.009130725
2043 Sep	0.010443424	0.061301157	2.35974E-05	68.91972351	44.75852585	0.616656423	0.020153694	1130.581909	0.084439367	0.087974168	9.28219E-05	0.002581344	0.001950601	2.222044945	0.00011335	0.002825987	0.006896831	0.009905805	0.014719445
2043 Oct	0.00903635	0.069967315	2.16277E-05	57.53768158	37.86238861	0.512779415	0.016901465	937.0400391	0.072257072	0.072365537	7.90464E-05	0.002170996	0.00165707	1.762876153	8.90794E-05	0.002365366	0.005961241	0.008551164	0.012497627
2043 Nov	0.006249416	0.076086491	1.73005E-05	39.97903061	26.26473427	0.36305359	0.011887924	656.819458	0.046544548	0.060603622	6.14971E-05	0.001469271	0.001099889	1.462622523	7.45547E-05	0.001679066	0.003825907	0.005992346	0.008067145
2043 Dec	0.006247252	0.076129146	1.73013E-05	39.93480301	26.24247169	0.362570435	0.011874526	655.947937	0.046539333	0.060457204	6.14328E-05	0.00146807	0.001099398	1.458176613	7.43119E-05	0.001677006	0.003826293	0.005989985	0.008064908
2044 Jan	0.006243114	0.076332189	1.72955E-05	39.89621735	26.22228813	0.362315178	0.011862613	655.2579956	0.046502013	0.060391668	6.19776E-05	0.001466793	0.001098495	1.456372499	7.42078E-05	0.001675331	0.003824587	0.005985823	0.008057877
2044 Feb	0.006239357	0.076594844	1.72892E-05	39.86459732	26.20659637	0.36217913	0.011852607	654.7021484	0.046464041	0.060351539	6.27509E-05	0.001465724	0.001097657	1.455381751	7.41454E-05	0.001673968	0.003823095	0.005981985	0.008050908
2044 Mar	0.006237326	0.076736927	1.72858E-05	39.84749222	26.19810867	0.362105519	0.011847195	654.4014282	0.0464435	0.060329836	6.31692E-05	0.001465145	0.001097204	1.454845786	7.41116E-05	0.001673231	0.003822288	0.0059799 1	0.008047138
2044 Apr	0.006236197	0.076815791	1.72839E-05	39.83799744	26.19339561	0.36206466	0.011844191	654.2344971	0.046432097	0.060317788	6.34014E-05	0.001464824	0.001096952	1.454548359	7.40928E-05	0.001672822	0.003821841	0.005978758	0.008045046
2044 May	0.006166972	0.07897754	1.71827E-05	39.31384277	25.89400482	0.35857138	0.011682374	645.2493286	0.045812022	0.0596397	7.58036E-05	0.001447666	0.001083517	1.436846733	7.30911E-05	0.001650623	0.003786868	0.005921021	0.007933264
2044 Jun	0.002276726	0.102866061	1.20559E-05	11.94292355	8.675904274	0.125751302	0.003393717	185.12117	0.013916155	0.023499627	0.000216454	0.000576854	0.00035179	0.454201877	2.17992E-05	0.000506528	0.001555666	0.00315467	0.002263959
2044 Jul	0.001918512	0.098133698	1.16421E-05	9.461100578	7.009649277	0.100283504	0.002650251	143.5890503	0.011257338	0.019764455	0.000189301	0.000501242	0.000286042	0.348254651	1.65508E-05	0.000402649	0.001337675	0.002933136	0.001792796
2044 Aug	0.001892714	0.097388804	1.16087E-05	9.233783722	6.864804745	0.097636335	0.002589835	139.6515808	0.011034743	0.019342242	0.000184163	0.000487926	0.00028056	0.337054342	1.59611E-05	0.000393003	0.001305821	0.00288286	0.001752752
2044 Sep	0.00179695	0.094778895	1.14747E-05	8.322822571	6.301118851	0.08690466	0.002360351	123.7718887	0.010141394	0.017762978	0.000160665	0.000432792	0.000258118	0.292321086	1.35653E-05	0.000355662	0.001183036	0.002677537	0.001591532
2044 Oct	0.001763553	0.094739512	1.14124E-05	7.924149036	6.065969944	0.082244381	0.002264862	116.8645706	0.009732383	0.01724319	0.000150868	0.00040877	0.000247361	0.274050027	1.25728E-05	0.000340522	0.001134268	0.002587793	0.001518189
2044 Nov	0.001757716	0.09473253	1.14016E-05	7.8531003	6.024197102	0.081410095	0.002247876	115.6306839	0.009660485	0.0171488	0.000149102	0.000404478	0.000245457	0.270730883	1.23924E-05	0.000337821	0.001125637	0.002571774	0.001505269
2044 Dec	0.001757599	0.094732389	1.14013E-05	7.851588726	6.02331686	0.081392139	0.002247517	115.6042709	0.009659012	0.017146695	0.000149064	0.000404386	0.000245417	0.270656705	1.23883E-05	0.000337763	0.001125456	0.002571431	0.001505003
2045 Jan	0.001757592	0.094750322	1.14012E-05	7.85089922	6.023227692	0.081394605	0.002247301	115.5903168	0.009658305	0.017145695	0.000149101	0.000404348	0.000245401	0.270630985	1.23861E-05	0.000337733	0.001125477	0.002571272	0.001504857
2045 Feb	0.001757636	0.094774716	1.14012E-05	7.850658894	6.02351284	0.081406213	0.002247175	115.5835342	0.009658024	0.017145311	0.00014917	0.00040434	0.000245398	0.270630181	1.2385E-05	0.000337717	0.001125589	0.002571213	0.001504781
2045 Mar	0.00175766	0.094788007	1.14011E-05	7.850528717	6.023668289	0.081412546	0.002247106	115.5798264	0.00965787	0.017145103	0.000149208	0.000404336	0.000245396	0.270629734	1.23843E-05	0.000337709	0.00112565	0.00257118	0.00150474
2045 Apr	0.001757674	0.094795585	1.14011E-05	7.85045433	6.023756027	0.081416145	0.002247066	115.5777206	0.009657783	0.017144985	0.00014923	0.000404333	0.000245395	0.270629466	1.2384E-05	0.000337704	0.001125684	0.002571162	0.001504716
2045 May	0.001757678	0.094798833	1.14011E-05	7.8504076	6.023784637	0.081417553	0.002247045	115.576561	0.009657731	0.017144907	0.000149241	0.000404332	0.000245394	0.270628601	1.23838E-05	0.000337702	0.001125698	0.002571154	0.001504704
2045 Jun	0.00155541	0.092289247	1.11831E-05	6.55984354	5.137784958	0.068670698	0.001843237	94.16001129	0.008264128	0.015218983	0.000139598	0.000376672	0.000210987	0.216450423	9.76427E-06	0.000283141	0.001032271	0.002511035	0.001258237
2045 Jul	0.001435599	0.090980165	1.10452E-05	5.795493603	4.611869812	0.061170831	0.001606351	81.58359528	0.007393454	0.014166782	0.000134133	0.000357624	0.000189954	0.187188059	8.36043E-06	0.000251095	0.000968108	0.002460463	0.001105416
2045 Aug	0.001419047	0.090623491	1.10189E-05	5.668464661	4.528084278	0.059778027	0.001573317	79.48208618	0.007230437	0.014002333	0.000131633	0.000349109	0.000186352	0.183353603	8.1619E-06	0.00024588	0.000945138	0.002425827	0.001077166
2045 Sep	0.001394879	0.090161227	1.09758E-05	5.463097572	4.398942471	0.05748219	0.001525034	76.04830933	0.006964147	0.013782588	0.000126379	0.000334586	0.000180328	0.177350506	7.83517E-06	0.000237969	0.000909636	0.002368117	0.001030845
2045 Oct	0.001390355	0.090197735	1.09652E-05	5.412497044	4.369011402	0.056912594	0.001513881	75.20111084	0.006898446	0.0137476	0.000125105	0.000330998	0.000178749	0.175899059	7.75379E-06	0.000236177	0.000901713	0.002353863	0.001019413
2045 Nov	0.001390261	0.090198435	1.0965E-05	5.411428928	4.3683815	0.056900505	0.001513644	75.18315887	0.006897089	0.0137468	0.000125078	0.000330923	0.000178716	0.175866574	7.75197E-06	0.000236139	0.000901549	0.002353566	0.001019176
2045 Dec	0.00139021	0.09019883	1.09649E-05	5.410846233	4.368037701	0.056893915	0.001513515	75.17337036	0.006896349	0.013746363	0.000125064	0.000330882	0.000178698	0.175848857	7.75098E-06	0.000236118	0.000901459	0.002353404	0.001019047
2046 Jan	0.001390207	0.090206958	1.09648E-05	5.410588264	4.368022442	0.056895711	0.001513436	75.16822815	0.006895987	0.013746193	0.000125081	0.000330865	0.000178691	0.175845698	7.75044E-06	0.000236107	0.000901463	0.002353328	0.001018976

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.001390227	0.090217806	1.09648E-05	5.410505772	4.368159771	0.056901179	0.001513389	75.16576385	0.006895837	0.013746163	0.000125112	0.000330861	0.000178689	0.175849542	7.75016E-06	0.000236102	0.000901509	0.002353298	0.001018939
2046 Mar	0.001390238	0.09022373	1.09648E-05	5.410461426	4.368235588	0.056904167	0.001513363	75.16441345	0.006895755	0.013746146	0.000125129	0.000330859	0.000178688	0.175851658	7.75E-06	0.000236099	0.000901534	0.002353282	0.001018919
2046 Apr	0.001390244	0.09022709	1.09648E-05	5.410435677	4.36827755	0.056905866	0.001513349	75.16365051	0.006895709	0.013746138	0.000125139	0.000330858	0.000178687	0.17585285	7.74991E-06	0.000236097	0.000901548	0.002353273	0.001018908
2046 May	0.001389796	0.090716779	1.09616E-05	5.398589671	4.36904335	0.057084288	0.001508645	74.91936493	0.006878855	0.0137353	0.000128015	0.000330511	0.000178527	0.175773531	7.72491E-06	0.000235514	0.000903018	0.002351503	0.001015487
2046 Jun	0.001203581	0.09124741	1.07271E-05	4.264691353	3.616710663	0.047870561	0.001149968	56.37733078	0.005447449	0.01245785	0.000136009	0.000305344	0.000146254	0.142051697	6.07224E-06	0.000188262	0.000818677	0.002286232	0.000764738
2046 Jul	0.001069718	0.089670621	1.05609E-05	3.462105036	3.046225786	0.039992969	0.000902864	43.53443146	0.004423135	0.01157512	0.000128886	0.00028362	0.000122312	0.118113317	4.99527E-06	0.000155285	0.000736633	0.002221303	0.000588145
2046 Aug	0.001058901	0.089249589	1.05401E-05	3.369977236	2.985552549	0.038868681	0.000882149	42.01618576	0.004294963	0.011461101	0.000125832	0.000274796	0.000119611	0.115869775	4.87398E-06	0.000151565	0.000713304	0.002183282	0.000566194
2046 Sep	0.001039189	0.088483155	1.04925E-05	3.164822578	2.861013412	0.036282215	0.000844955	38.5754509	0.004003521	0.011285471	0.000116878	0.000253618	0.000113246	0.111283123	4.59779E-06	0.000144156	0.000663422	0.002094491	0.000516008
2046 Oct	0.001033734	0.088771388	1.04604E-05	3.02792263	2.788082838	0.034531936	0.000824381	36.27511597	0.003807094	0.011273495	0.000110942	0.000239266	0.000108469	0.108459808	4.41293E-06	0.00014007	0.000634141	0.002034262	0.00048219
2046 Nov	0.001032956	0.088813215	1.04558E-05	3.008205414	2.777590036	0.034279656	0.000821429	35.94378662	0.003778782	0.01127187	0.000110085	0.000237193	0.00010778	0.108054452	4.38635E-06	0.000139483	0.000629916	0.002025564	0.000477316
2046 Dec	0.001032936	0.088814192	1.04557E-05	3.007724285	2.777332544	0.03427352	0.000821355	35.93570328	0.003778094	0.011271818	0.000110064	0.000237143	0.000107764	0.108044401	4.38569E-06	0.000139469	0.000629814	0.002025354	0.000477197
2047 Jan	0.001032965	0.088827305	1.04556E-05	3.0075562	2.77746582	0.034278736	0.000821302	35.93161392	0.003777785	0.011271899	0.000110094	0.000237125	0.000107758	0.108049266	4.38533E-06	0.000139461	0.000629841	0.002025259	0.000477132
2047 Feb	0.001033014	0.088844612	1.04556E-05	3.007550955	2.777765274	0.03428863	0.000821264	35.92980194	0.003777685	0.011272034	0.000110144	0.000237123	0.000107759	0.108060494	4.38515E-06	0.000139458	0.000629925	0.002025226	0.000477098
2047 Mar	0.00103304	0.088854067	1.04556E-05	3.007547855	2.777928829	0.034294028	0.000821243	35.92881012	0.00377763	0.011272106	0.000110171	0.000237122	0.000107759	0.108066618	4.38505E-06	0.000139456	0.000629971	0.002025208	0.00047708
2047 Apr	0.001033055	0.088859446	1.04556E-05	3.007546186	2.778021812	0.034297105	0.000821232	35.92824936	0.003777598	0.011272148	0.000110187	0.000237122	0.000107759	0.108070105	4.38499E-06	0.000139455	0.000629997	0.002025197	0.000477069
2047 May	0.001038555	0.093188137	1.044E-05	2.971271753	2.828474522	0.036506731	0.000799911	34.91716385	0.00370669	0.011269101	0.00013575	0.00023645	0.000108178	0.109948419	4.29695E-06	0.000137146	0.000649212	0.002017413	0.00046068
2047 Jun	0.001043987	0.118242651	1.03203E-05	2.625665903	3.024888754	0.04829105	0.000629954	26.90362167	0.003117816	0.011110029	0.00028546	0.00023204	0.00010662	0.117273889	3.63148E-06	0.000118034	0.000753924	0.001976233	0.000334816
2047 Jul	0.001026964	0.117122494	1.03048E-05	2.545058489	2.948314428	0.046955977	0.000605694	25.73669624	0.003017687	0.011015687	0.000279422	0.000230433	0.000103833	0.114389241	3.54869E-06	0.00011483	0.000740919	0.001973271	0.000318626
2047 Aug	0.001019804	0.116057359	1.02951E-05	2.498832941	2.905915022	0.045933146	0.000598619	25.03356743	0.002954116	0.010943481	0.000273098	0.000224584	0.000102277	0.112943582	3.49729E-06	0.000113065	0.000722262	0.001948585	0.000308435
2047 Sep	0.001007283	0.113806345	1.02713E-05	2.389226675	2.813420773	0.043431733	0.000588101	23.33502197	0.002799842	0.01084431	0.000256673	0.000209804	9.82371E-05	0.109774388	3.37167E-06	0.000109613	0.000680104	0.001887562	0.000283547
2047 Oct	0.001005478	0.112942204	1.0255E-05	2.314830542	2.75890708	0.041687813	0.000584798	22.18194199	0.002693811	0.010869117	0.000245314	0.000199576	9.50161E-05	0.107794061	3.2857E-06	0.000108034	0.000654822	0.00184534	0.000266469
2047 Nov	0.001005043	0.112733573	1.02511E-05	2.296879292	2.745752096	0.041266918	0.000584002	21.90372086	0.002668226	0.01087511	0.000242572	0.000197108	9.42388E-05	0.107316174	3.26496E-06	0.000107653	0.00064872	0.00183515	0.000262348
2047 Dec	0.001005035	0.112730071	1.0251E-05	2.296561956	2.745522022	0.041259643	0.000583986	21.89878654	0.002667774	0.010875206	0.000242525	0.000197065	9.42252E-05	0.107307799	3.26459E-06	0.000107646	0.000648614	0.001834972	0.000262275
2048 Jan	0.001005073	0.112741508	1.0251E-05	2.296490669	2.745687962	0.041264772	0.000583964	21.89645767	0.0026676	0.010875377	0.000242543	0.000197051	9.42219E-05	0.107314251	3.26439E-06	0.000107642	0.000648645	0.001834896	0.000262235
2048 Feb	0.001005128	0.112758815	1.0251E-05	2.296540976	2.746022701	0.041275203	0.000583941	21.89556503	0.002667573	0.010875565	0.00024259	0.000197052	9.42238E-05	0.107326992	3.26428E-06	0.000107641	0.000648736	0.001834873	0.000262214
2048 Mar	0.001005159	0.112768181	1.0251E-05	2.296568155	2.746203899	0.04128084	0.000583928	21.89508438	0.002667557	0.010875666	0.000242615	0.000197053	9.42248E-05	0.107333876	3.26423E-06	0.000107641	0.000648786	0.001834861	0.000262203
2048 Apr	0.001005323	0.112818331	1.02509E-05	2.296730757	2.747184038	0.041311219	0.000583866	21.8927803	0.0026675	0.010876225	0.00024275	0.000197057	9.42306E-05	0.107371233	3.26394E-06	0.000107638	0.000649053	0.001834799	0.000262146
2048 May	0.001005401	0.112842716	1.02509E-05	2.296799898	2.747653723	0.041325927	0.000583832	21.8915429	0.00266746	0.010876486	0.00024282	0.000197059	9.42336E-05	0.10738913	3.26379E-06	0.000107636	0.000649183	0.00183477	0.000262116
2048 Jun	0.000910356	0.106458008	1.01863E-05	1.941784859	2.376199007	0.035294898	0.000464843	16.9297924	0.002244449	0.010426311	0.000213071	0.000202856	8.17692E-05	0.093445793	2.92918E-06	9.32605E-05	0.000613033	0.001888038	0.000194522
2048 Jul	0.000839618	0.101313919	1.01365E-05	1.665156603	2.081560612	0.03028189	0.000373654	13.11294556	0.001914759	0.010068608	0.000187894	0.000204464	7.19066E-05	0.082411274	2.67396E-06	8.20378E-05	0.000575328	0.001913713	0.000142473
2048 Aug	0.000835309	0.099773921	1.01266E-05	1.619466066	2.036594152	0.02891182	0.000371995	12.42337704	0.00184769	0.009972147	0.000178408	0.000193736	7.03535E-05	0.081012927	2.62426E-06	8.02688E-05	0.000543582	0.001865121	0.000132137
2048 Sep	0.000835476	0.098492101	1.01174E-05	1.580806732	2.005562544	0.027602237	0.000378542	11.79931259	0.001786013	0.009949408	0.000167898	0.000182754	6.87367E-05	0.080113538	2.57779E-06	7.9479E-05	0.000516225	0.001817396	0.000122453
2048 Oct	0.000841752	0.098202176	1.01107E-05	1.554137588	1.991935492	0.02665583	0.000386768	11.36550426	0.001741975	0.010016064	0.000160426	0.000174809	6.71976E-05	0.079663865	2.54467E-06	7.96234E-05	0.000500006	0.00178285	0.000115543
2048 Nov	0.000843722	0.098106839	1.01086E-05	1.545429349	1.98741281	0.026350243	0.000389348	11.22410774	0.001727663	0.010037136	0.000158023	0.000172262	6.66994E-05	0.079513945	2.53389E-06	7.96623E-05	0.000494784	0.001771779	0.000113296
2048 Dec	0.000843752	0.098105319	1.01086E-05	1.545291185	1.987340212	0.026345437	0.000389388	11.22186661	0.001727437	0.010037462	0.000157985	0.000172222	6.66916E-05	0.079511516	2.53372E-06	7.96628E-05	0.000494703	0.001771607	0.00011326
2049 Jan	0.000843815	0.098119095	1.01085E-05	1.545328021	1.987619996	0.026352787	0.000389395	11.22105408	0.001727394	0.010037769	0.000158012	0.000172211	6.66918E-05	0.079522289	2.53362E-06	7.96638E-05	0.000494755	0.001771534	0.00011324
2049 Feb	0.000843887	0.098138504	1.01085E-05	1.545441866	1.988033533	0.026364978	0.000389386	11.22098732	0.00172744	0.010038035	0.000158067	0.000172214	6.66958E-05	0.079538003	2.53358E-06	7.96648E-05	0.000494863	0.001771516	0.00011323
2049 Mar	0.000843926	0.098149076	1.01085E-05	1.545503974	1.988258958	0.026371621	0.000389381	11.22095108	0.001727466	0.010038179	0.000158096	0.000172216	6.6698E-05	0.079546578	2.53355E-06	7.96654E-05	0.000494923	0.001771506	0.000113225
2049 Apr	0.000843948	0.098155089	1.01085E-05	1.545539379	1.988386989	0.026375402	0.000389379	11.2209301	0.00172748	0.010038262	0.000158113	0.000172217	6.66993E-05	0.079551451	2.53353E-06	7.96657E-05	0.000494956	0.0017715	0.000113222
2049 May	0.000845152	0.098561049	1.01081E-05	1.546935797	1.996221662	0.026626823	0.000388723	11.20458031	0.001727264	0.010042494	0.000160529	0.000172369	6.68815E-05	0.079849564	2.53153E-06	7.964E-05	0.00049735	0.001771566	0.000112802
2049 Jun	0.000787 35	0.096300714	1.00758E-05	1.368369579	1.811760068	0.024585016	0.000310671	8.705706596	0.001522257	0.009788841	0.000155544	0.000185958	6.11412E-05	0.072873369	2.37088E-06	7.15647E-05	0.000504245	0.001847856	7.90788E-05
2049 Jul	0.000759547	0.09414608	1.00604E-05	1.272016168	1.694416761	0.022627695	0.000273537	7.481276035	0.001415014	0.009640127	0.000145683	0.000188718	5.7592E-05	0.068426639	2.29446E-06	6.73785E-05	0.000490651	0.001865843	6.29476E-05
2049 Aug	0.000760331	0.093815312	1.00587E-05	1.26467514	1.686831117	0.022304472	0.000274747	7.372081757	0.001402897	0.009616788	0.000143415	0.000185213	5.73437E-05	0.068219051	2.28626E-06	6.70669E-05	0.000480858	0.001848953	6.12077E-05
2049 Sep	0.000767988	0.093076847	1.00541E-05	1.250855923	1.682287455	0.021391828	0.000290116	7.103136063	0.001371507	0.009647238	0.000134732	0.000174327	5.64677E-05	0.068266466	2.26369E-06	6.74692E-05	0.00045776	0.001800169	5.64142E-05
2049 Oct	0.000779376	0.093062535	1.00506E-05	1.241019487	1.686396837	0.020677947	0.000305147	6.905630589	0.001347253	0.009744215	0.000128063	0.000165818	5.54514E-05	0.068475753	2.24626E-06	6.84079E-05	0.000442849	0.001762022	5.27116E-05
2049 Nov	0.000781231	0.093060508	1.005E-05	1.239435315	1.687081456	0.020562159	0.000307596	6.873725414	0.001343327	0.009760005	0.00012698	0.000164435	5.52867E-05	0.068510391	2.24344E-06	6.85611E-05	0.000440427	0.00175582	5.21124E-05
2049 Dec	0.000781276	0.093060397	1.005E-05	1.239393711	1.687095046	0.020559276	0.000307655	6.872907162	0.001343228	0.009760387	0.000126954	0.000164401	5.52825E-05	0.068511121	2.24337E-06	6.85648E-05	0.000440368	0.001755668	5.20972E-05
2050 Jan	0.000781343	0.09307377	1.005E-05	1.239474654	1.687396526	0.020566868	0.000307673	6.872843266	0.001343248	0.009760714	0.000126983	0.000164392	5.52845E-05	0.068522632	2.24333E-06	6.85674E-05	0.000440424	0.001755606	5.20889E-05
2050 Feb	0.000781414	0.09309195	1.005E-05	1.239603519	1.687798977	0.020578494	0.000307672	6.87313509	0.001343322	0.009760981	0.000127035	0.000164396	5.5289E-05	0.068537906	2.24331E-06	6.85692E-05	0.000440528	0.001755591	5.20845E-05
2050 Mar	0.000781452	0.093101867	1.00499E-05	1.239673853	1.688018441	0.020584833	0.000307671	6.873293877	0.001343362	0.009761129	0.000127063	0.000164398	5.52915E-05	0.068546236	2.2433E-06	6.85702E-05	0.000440585	0.001755583	5.20822E-05
2050 Apr	0.000781474	0.093107499	1.00499E-05	1.239713788	1.688143253	0.020588439	0.000307671	6.873383999	0.001343385	0.009761211	0.000127079	0.000164399	5.52929E-05	0.068550974	2.24329E-06	6.85708E-05	0.000440617	0.001755578	5.20808E-05
2050 May	0.000782253	0.093339071	1.00498E-05	1.241068721	1.692999601	0.020736828	0.00030747	6.872935295	0.001344012	0.009764106	0.000128456	0.000164499	5.54139E-05	0.068735011	2.24277E-06	6.85786E-05	0.000442033	0.001755653	5.19705E-05
2050 Jun	0.00076694	0.09717764	1.00364E-05	1.19948411	1.712005973	0.023311175	0.000262195	5.941400528	0.001286213	0.009690974	0.000158013	0.000178818	5.58965E-05	0.069386512	2.17697E-06	6.50767E-05	0.000487068	0.001820217	3.79563E-05
2050 Jul	0.00074728	0.095189482	1.00287E-05	1.137955308	1.619735837	0.021645751	0.000235436	5.276512623	0.001225163	0.009564063	0.000148782	0.00018087	5.34601E-05	0.065833539	2.13925E-06	6.21614E-05	0.000472419	0.001831474	2.99031E-05
2050 Aug	0.000750143	0.094924852	1.00275E-05	1.130763769	1.610230207	0.021220285	0.00023613	5.19824791	0.001214144	0.009538051	0.000146336	0.000176282	5.31563E-05	0.065520339	2.13339E-06	6.17907E-05	0.000458672	0.001807787	2.86479E-05
2050 Sep	0.000755949	0.094226763	1.00258E-05	1.128356338	1.610891461	0.020604528	0.000249813	5.121489048	0.001201428	0.009552984	0.00013967	0.000168331	5.28197E-05	0.065726563	2.12525E-06	6.23065E-05	0.000441574	0.001772053	2.69049E-05
2050 Oct	0.000758833	0.094217688	1.00254E-05	1.127974391	1.613120317	0.020456314	0.000253893	5.10569191	0.001198383	0.009577039	0.00013811	0.000166438	5.26433E-05	0.06582094	2.1233E-06	6.26017E-05	0.000438376	0.001763545	2.64874E-05
2050 Nov	0.0007589	0.094217449	1.00254E-05	1.127964139	1.613171577	0.020452803	0.000253989	5.105303288	0.00119831	0.009577603	0.000138073	0.000166393	5.26391E-05	0.065823115	2.12325E-06	6.26086E-05	0.000438301	0.001763344	2.64773E-05
2050 Dec	0.000758931	0.094217338	1.00254E-05	1.127958775	1.613194227	0.020451182	0.000254032	5.105115891	0.001198276	0.009577859	0.000138056	0.000166373	5.26372E-05	0.065824084	2.12323E-06	6.26117E-05	0.000438266	0.001763252	2.64726E-05
2051 Jan	0.00075898	0.094226949	1.00254E-05	1.128030539	1.613419533	0.020456851	0.000254048	5.105287552	0.00119831	0.009578095	0.000138078	0.000166368	5.26391E-05	0.06583266	2.12322E-06	6.2614E-05	0.00043831	0.001763214	2.64698E-05
2051 Feb	0.000759032	0.094240025	1.00254E-05	1.128130317	1.613714337	0.020465275	0.00025405	5.105606556	0.001198372	0.009578297	0.000138115	0.000166371	5.26426E-05	0.065843843	2.12321E-06	6.26156E-05	0.000438386	0.001763203	2.64683E-05
2051 Mar	0.000759061	0.094247162	1.00254E-05	1.128184795	1.61387527	0.020469872	0.000254051	5.105781078	0.001198406	0.009578406	0.000138135	0.000166372	5.26445E-05	0.065849937	2.12321E-06	6.26165E-05	0.000438427	0.001763197	2.64675E-05
2051 Apr	0.000759077	0.094251223	1.00254E-05	1.12821579	1.613966942	0.020472487	0.000254051	5.105879784	0.001198426	0.009578469	0.000138147	0.000166373	5.26456E-05	0.065853409	2.1232E-06	6.26171E-05	0.000438451	0.001763194	2.6467E-05
2051 May	0.000764865	0.095876858	1.0025E-05	1.139490247	1.649405122	0.021529596	0.000253296	5.129786015	0.001205124	0.00960097	0.000147822	0.000167101	5.35509E-05	0.067194343	2.12141E-06	6.27514E-05	0.000448576	0.001763808	2.60826E-05
2051 Jun	0.000786877	0.10955146	1.00152E-05	1.192638636	1.901661396	0.03083506	0.000210894	4.755262375	0.001224531	0.009694318	0.000236371	0.000188318	6.03424E-05	0.076619066	2.07369E-06	6.11913E-05	0.000562467	0.001843989	1.58548E-05
2051 Jul	0.000770271	0.107104599	1.00133E-05	1.159533262	1.830072403	0.029276591	0.000199347	4.508465767	0.001199348	0.009622152	0.000223859	0.00019119	5.8604E-05	0.073864304	2.06424E-06	5.99547E-05	0.000553252	0.001862093	1.3825E-05
2051 Aug	0.000771769	0.105461933	1.00123E-05	1.150770068	1.80606389	0.028116696	0.000208388	4.444661617	0.001184757	0.00956427	0.000213472	0.000182101	5.80541E-05	0.073161036	2.05949E-06	5.97338E-05	0.000525189	0.001819518	1.28041E-05
2051 Sep	0.000783409	0.104115374	1.00112E-05	1.147343874	1.799474359	0.026697246	0.000233558	4.410795212	0.001169477	0.00964769	0.00019867	0.000169961	5.69317E-05	0.073061623	2.05404E-06	6.12194E-05	0.000497792	0.001766065	1.16321E-05
2051 Oct	0.000812704	0.102551691	1.00092E-05	1.142906547	1.799641967	0.024143703	0.000283657	4.372100353	0.00114263	0.009910014	0.000172193	0.00014806	5.44136E-05	0.073159315	2.04469E-06	6.48612E-05	0.000453235	0.001669607	9.62403E-06
2051 Nov	0.000815994	0.102379933	1.0009E-05	1.142467022	1.799742341	0.02386036	0.000289265	4.368480682	0.001139699	0.009939483	0.00016925	0.00014562	5.41343E-05	0.073173031	2.0437E-06	6.52706E-05	0.000448288	0.001658856	9.40919E-06
2051 Dec	0.000816045	0.102377281	1.0009E-05	1.142460465	1.799744248	0.023855969	0.000289352	4.368427277	0.001139654	0.009939942	0.000169204	0.000145582	5.413E-05	0.073173255	2.04368E-06	6.52769E-05	0.000448211	0.001658689	9.40589E-06
2052 Jan	0.000816126	0.102392428	1.0009E-05	1.142585158	1.800108671	0.023864914	0.000289383	4.368876457	0.001139722	0.009940337	0.000169233	0.000145573	5.41328E-05	0.073187113	2.04367E-06	6.52812E-05	0.00044828	0.001658623	9.40409E-06
2052 Feb	0.000816213	0.102414429	1.0009E-05	1.142759204	1.800607562	0.023879213	0.000289385	4.36951685	0.001139836	0.009940669	0.000169295	0.000145579	5.41387E-05	0.073206015	2.04367E-06	6.5284E-05	0.000448409	0.001658611	9.40314E-06
2052 Mar	0.00081626	0.10242635	1.0009E-05	1.142853379	1.80087769	0.023886958	0.000289386	4.369863987	0.001139898	0.009940847	0.000169328	0.000145582	5.4142E-05	0.073216245	2.04367E-06	6.52856E-05	0.000448479	0.001658604	9.40263E-06
2052 Apr	0.000816286	0.102432959	1.0009E-05	1.142905831	1.801027775	0.023891257	0.000289387	4.370056629	0.001139932	0.009940947	0.000169347	0.000145584	5.41437E-05	0.073221929	2.04366E-06	6.52865E-05	0.000448518	0.0016586	9.40234E-06
2052 May	0.000830356	0.106494814	1.00087E-05	1.173166275	1.890271306	0.026583862	0.000287078	4.466556549	0.001160211	0.009993106	0.000193889	0.000147946	5.65078E-05	0.076590985	2.04195E-06	6.56307E-05	0.000474812	0.001662498	9.03331E-06
2052 Jun	0.000862098	0.119025677	1.00066E-05	1.256359696	2.149434566	0.035207752	0.000264282	4.648769379	0.001218871	0.010100888	0.000273609	0.000162707	6.37971E-05	0.08630427	2.03217E-06	6.56249E-05	0.000569803	0.0017105	6.92918E-06
2052 Jul	0.000856258	0.117120393	1.0006E-05	1.231466413	2.089884758	0.033615146	0.000257047	4.529033661	0.001199769	0.010024113	0.000262273	0.00015944	6.23655E-05	0.083999015	2.02921E-06	6.44991E-05	0.000545996	0.001693862	6.29298E-06
2052 Aug	0.000854966	0.115924664	1.00058E-05	1.224000454	2.067680836	0.032805603	0.00025995	4.495731354	0.001191474	0.009979054	0.00025529	0.000155104	6.19116E-05	0.083252013	2.02791E-06	6.42052E-05	0.000529588	0.001673672	6.01314E-06
2052 Sep	0.000856841	0.114475772	1.00054E-05	1.219126701	2.050698996	0.031756882	0.000272256	4.476233482	0.001182428	0.009985785	0.000244561	0.000148743	6.12159E-05	0.08273726	2.0263E-06	6.47129E-05	0.000511434	0.001646667	5.66684E-06
2052 Oct	0.000860293	0.113980815	1.00053E-05	1.216928363	2.045281172	0.031208288	0.000280025	4.470676422	0.001177739	0.010023312	0.000239016	0.000145444	6.06944E-05	0.082543693	2.02549E-06	6.52643E-05	0.000503457	0.001632675	5.4908E-06
2052 Nov	0.000860361	0.113971122	1.00053E-05	1.216885448	2.045175076	0.031197559	0.000280177	4.470569611	0.001177647	0.010024045	0.000238907	0.00014538	6.06842E-05	0.082539894	2.02547E-06	6.52751E-05	0.000503301	0.001632402	5.4874E-06
2052 Dec	0.000860387	0.113967381	1.00053E-05	1.216868877	2.045134068	0.031193417	0.000280235	4.470528126	0.001177612	0.010024329	0.000238865	0.000145355	6.06802E-05	0.082538426	2.02546E-06	6.52792E-05	0.000503241	0.001632297	5.48608E-06

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.000860437	0.11397665	1.00053E-05	1.216947079	2.045359135	0.03119888	0.000280256	4.470831394	0.001177656	0.010024582	0.000238879	0.000145349	6.06816E-05	0.082546979	2.02546E-06	6.5282E-05	0.000503283	0.001632257	5.48536E-06
2053 Feb	0.000860493	0.113990918	1.00053E-05	1.217060804	2.045683146	0.031208184	0.000280257	4.471261024	0.001177732	0.010024796	0.000238918	0.000145354	6.06853E-05	0.082559243	2.02546E-06	6.52839E-05	0.000503368	0.001632251	5.48499E-06
2053 Mar	0.000860524	0.113998696	1.00053E-05	1.217122912	2.045859575	0.031213254	0.000280258	4.471495628	0.001177773	0.010024914	0.000238939	0.000145356	6.06874E-05	0.082565933	2.02546E-06	6.52849E-05	0.000503415	0.001632247	5.48479E-06
2053 Apr	0.000860541	0.114003122	1.00053E-05	1.217158198	2.045960188	0.031216146	0.000280258	4.471629143	0.001177796	0.01002498	0.000238951	0.000145357	6.06885E-05	0.082569733	2.02546E-06	6.52855E-05	0.000503441	0.001632245	5.48467E-06
2053 May	0.000893242	0.123728812	1.00047E-05	1.290631771	2.259709835	0.037722338	0.000273909	4.720853329	0.001228658	0.010148385	0.000298122	0.000151968	6.64087E-05	0.090628654	2.02292E-06	6.61077E-05	0.00056855	0.00164628	4.9392E-06
2053 Jun	0.000948588	0.143349722	1.00032E-05	1.431525946	2.677799225	0.051168088	0.000247498	5.146520138	0.001330409	0.010354578	0.000421128	0.000172517	7.79915E-05	0.106320262	2.01569E-06	6.69113E-05	0.000713845	0.001709554	3.38156E-06
2053 Jul	0.000936262	0.14115265	1.00031E-05	1.410374284	2.621510506	0.049815532	0.000241672	5.046217442	0.001317539	0.010301361	0.000409483	0.000174214	7.6685E-05	0.104158185	2.01488E-06	6.62255E-05	0.00070457	0.001721415	3.20671E-06
2053 Aug	0.000934089	0.140144691	1.0003E-05	1.404314518	2.602622032	0.049169637	0.000243751	5.023792744	0.001311912	0.010273716	0.00040362	0.000171871	7.6264E-05	0.103499629	2.01456E-06	6.60745E-05	0.000694209	0.001711419	3.13682E-06
2053 Sep	0.000933228	0.139695063	1.0003E-05	1.40229404	2.595592976	0.048899401	0.000245432	5.016477585	0.001309748	0.010264678	0.000400958	0.000170794	7.60993E-05	0.103266485	2.01442E-06	6.60731E-05	0.000690003	0.001707096	3.10798E-06
2053 Oct	0.000933601	0.139446259	1.0003E-05	1.400820374	2.591436386	0.048682053	0.000247361	5.012510777	0.001308016	0.010271947	0.000398846	0.000169934	7.58996E-05	0.103112057	2.01432E-06	6.61941E-05	0.000687256	0.00170364	3.0851E-06
2053 Nov	0.000934015	0.139170393	1.00029E-05	1.399186373	2.586827517	0.048441105	0.000249499	5.008113861	0.001306097	0.01028	0.000396505	0.00016898	7.56782E-05	0.102940798	2.0142E-06	6.63283E-05	0.00068421	0.00169981	3.0598E-06
2053 Dec	0.000934031	0.139159575	1.00029E-05	1.399122238	2.586646557	0.048431642	0.000249583	5.007941723	0.001306022	0.010280316	0.000396413	0.000168942	7.56695E-05	0.102934077	2.01419E-06	6.63335E-05	0.000684091	0.00169966	3.05881E-06
2054 Jan	0.000934089	0.139168993	1.00029E-05	1.399205804	2.586883545	0.048436936	0.000249614	5.008290291	0.001306066	0.010280625	0.000396413	0.000168933	7.56695E-05	0.1029431	2.01419E-06	6.63372E-05	0.000684127	0.001699601	3.05826E-06
2054 Feb	0.00093416	0.13918677	1.00029E-05	1.399348736	2.587288857	0.048448507	0.000249617	5.008842468	0.001306162	0.010280898	0.000396455	0.000168938	7.56736E-05	0.102958456	2.01419E-06	6.63396E-05	0.000684232	0.00169959	3.05798E-06
2054 Mar	0.000934199	0.139196441	1.00029E-05	1.399426579	2.587509632	0.048454802	0.000249619	5.009143353	0.001306213	0.010281047	0.000396478	0.00016894	7.56758E-05	0.102966815	2.01419E-06	6.6341E-05	0.000684289	0.001699585	3.05783E-06
2054 Apr	0.000934221	0.139201984	1.00029E-05	1.399470925	2.587635279	0.048458394	0.00024962	5.009314537	0.001306243	0.010281132	0.000396491	0.000168942	7.56771E-05	0.102971569	2.01419E-06	6.63417E-05	0.000684322	0.001699581	3.05774E-06
2054 May	0.000940973	0.14118436	1.00029E-05	1.414600968	2.631349564	0.04978266	0.000248455	5.062503815	0.001316779	0.010307004	0.000408514	0.00017026	7.68433E-05	0.104619294	2.01382E-06	6.65225E-05	0.000697553	0.001702306	2.97866E-06
2054 Jun	0.000952169	0.148961633	1.0002E-05	1.463472962	2.783746004	0.055431493	0.000224324	5.164129734	0.001357227	0.010349625	0.00046086	0.000185956	8.14644E-05	0.1102532	2.00968E-06	6.60274E-05	0.000769852	0.001764062	2.08628E-06
2054 Jul	0.000923179	0.142246768	1.00017E-05	1.400482416	2.614131689	0.050900724	0.000213469	4.899927616	0.001315619	0.010199226	0.000422494	0.000184749	7.73009E-05	0.10375651	2.00835E-06	6.42073E-05	0.000725881	0.001767336	1.79989E-06
2054 Aug	0.00091604	0.138835087	1.00016E-05	1.381816626	2.55338788	0.048754796	0.000222273	4.836862087	0.001297996	0.010115759	0.000402491	0.000176933	7.59209E-05	0.101659	2.00782E-06	6.38788E-05	0.000692211	0.001734769	1.68465E-06
2054 Sep	0.0009118	0.136151731	1.00015E-05	1.369535208	2.51100564	0.047066405	0.000233336	4.798387527	0.001284963	0.010076379	0.000385887	0.000170349	7.48139E-05	0.100228935	2.00741E-06	6.40164E-05	0.000666895	0.001708426	1.59641E-06
2054 Oct	0.000914205	0.134550393	1.00015E-05	1.360250592	2.484256744	0.045667268	0.000245765	4.777408123	0.001274225	0.010124134	0.000372276	0.00016489	7.35278E-05	0.099231526	2.00708E-06	6.48098E-05	0.000649385	0.001686576	1.52546E-06
2054 Nov	0.000915132	0.133940443	1.00014E-05	1.356717587	2.474077225	0.045133825	0.000250515	4.769462109	0.001270133	0.010142441	0.000367086	0.000162806	7.30372E-05	0.098851927	2.00695E-06	6.51136E-05	0.000642709	0.001678233	1.49863E-06
2054 Dec	0.000915151	0.133928046	1.00014E-05	1.356645823	2.473870277	0.045122966	0.000250612	4.769301414	0.00127005	0.010142816	0.00036698	0.000162763	7.30272E-05	0.098844208	2.00695E-06	6.51198E-05	0.000642573	0.001678063	1.49809E-06
2055 Jan	0.000915216	0.133938402	1.00014E-05	1.356739044	2.474133015	0.045128733	0.000250648	4.769708633	0.0012701	0.010143172	0.000366978	0.000162753	7.30271E-05	0.098854177	2.00695E-06	6.5124E-05	0.000642613	0.001677996	1.49779E-06
2055 Feb	0.000915296	0.133958146	1.00014E-05	1.356898546	2.474583387	0.045141552	0.000250653	4.77033329	0.001270206	0.010143483	0.000367024	0.000162758	7.30316E-05	0.098871239	2.00695E-06	6.51268E-05	0.000642729	0.001677984	1.49764E-06
2055 Mar	0.000915339	0.13396889	1.00014E-05	1.356985331	2.47482872	0.045148525	0.000250655	4.770673275	0.001270264	0.010143652	0.00036705	0.00016276	7.3034E-05	0.098880529	2.00695E-06	6.51283E-05	0.000642792	0.001677977	1.49755E-06
2055 Apr	0.000915364	0.133975014	1.00014E-05	1.357034802	2.474968672	0.045152504	0.000250656	4.770867348	0.001270297	0.010143748	0.000367064	0.000162762	7.30354E-05	0.098885819	2.00695E-06	6.51292E-05	0.000642828	0.001677974	1.4975E-06
2055 May	0.000915374	0.133977532	1.00014E-05	1.357054949	2.475025654	0.045154147	0.000250656	4.770945072	0.001270311	0.010143788	0.000367072	0.000162763	7.30362E-05	0.09888798	2.00695E-06	6.51295E-05	0.000642843	0.001677973	1.49748E-06
2055 Jun	0.000826596	0.119279899	1.0001E-05	1.218853474	2.101838827	0.036450129	0.000210041	4.127319336	0.001191922	0.009819327	0.000290444	0.000180471	6.43927E-05	0.084502667	2.00473E-06	6.09088E-05	0.000598424	0.001791507	1.0186E-06
2055 Jul	0.00079535	0.113678738	1.00008E-05	1.165042758	1.957342029	0.0329656	0.000195138	3.885630846	0.001160161	0.009691048	0.000260476	0.000185114	6.0997E-05	0.078927658	2.00389E-06	5.92276E-05	0.000575283	0.001823269	8.38787E-07
2055 Aug	0.000795379	0.112907335	1.00008E-05	1.160155416	1.942246914	0.032377087	0.000197491	3.873944044	0.001155004	0.009668397	0.000255497	0.000181979	6.06289E-05	0.078399457	2.00378E-06	5.9101E-05	0.000563644	0.001808421	8.14985E-07
2055 Sep	0.00079616	0.111306719	1.00007E-05	1.156374812	1.924075007	0.031335749	0.000209375	3.873081923	0.001147639	0.009654496	0.000244754	0.000175478	6.0073E-05	0.077871144	2.00359E-06	5.94748E-05	0.000544248	0.001780541	7.73703E-07
2055 Oct	0.000798254	0.111037187	1.00007E-05	1.155568838	1.921449423	0.031033462	0.000213863	3.876296759	0.00114552	0.009675642	0.000241681	0.000173579	5.97968E-05	0.07777784	2.00353E-06	5.97967E-05	0.000539684	0.00177239	7.6188E-07
2055 Nov	0.000798806	0.110966749	1.00007E-05	1.155360341	1.920768738	0.030954266	0.000215043	3.877156258	0.001144965	0.009681209	0.000240875	0.00017308	5.97244E-05	0.077753671	2.00352E-06	5.98814E-05	0.000538488	0.001770247	7.58789E-07
2055 Dec	0.000798877	0.110957734	1.00007E-05	1.155333877	1.920681953	0.030944116	0.000215194	3.877267361	0.001144894	0.009681923	0.000240772	0.000173016	5.97151E-05	0.077750586	2.00352E-06	5.98923E-05	0.000538334	0.001769972	7.58393E-07
2056 Jan	0.000798978	0.110974863	1.00007E-05	1.155486465	1.921108842	0.030953949	0.000215244	3.877935171	0.00114498	0.009682446	0.000240794	0.000173002	5.97175E-05	0.077766813	2.00352E-06	5.98984E-05	0.000538404	0.001769876	7.58207E-07
2056 Feb	0.000799087	0.111001559	1.00007E-05	1.155703306	1.921720266	0.03097122	0.000215252	3.878795385	0.001145124	0.009682874	0.000240863	0.000173007	5.97243E-05	0.07778997	2.00352E-06	5.99024E-05	0.000538559	0.001769853	7.5811E-07
2056 Mar	0.000799147	0.11101608	1.00007E-05	1.155821204	1.922052741	0.030980613	0.000215257	3.879263163	0.001145203	0.009683107	0.000240901	0.00017301	5.9728E-05	0.077802561	2.00352E-06	5.99046E-05	0.000538643	0.001769841	7.58057E-07
2056 Apr	0.00079918	0.111024186	1.00007E-05	1.155887127	1.92223835	0.030985858	0.000215259	3.879524231	0.001145246	0.009683237	0.000240922	0.000173012	5.973E-05	0.077809602	2.00352E-06	5.99058E-05	0.00053869	0.001769834	7.58027E-07
2056 May	0.000823429	0.117509313	1.00007E-05	1.207047343	2.067747355	0.035244919	0.000214288	4.075464725	0.001180455	0.009780685	0.000279419	0.000176076	6.35142E-05	0.083298638	2.00328E-06	6.07146E-05	0.000579666	0.001772784	7.07573E-07
2056 Jun	0.000893605	0.137799978	1.00005E-05	1.363390207	2.515567303	0.048725486	0.000204044	4.657029152	0.001291035	0.010069792	0.000401644	0.000189898	7.53343E-05	0.100135453	2.00228E-06	6.28588E-05	0.000716218	0.0018027	4.91535E-07
2056 Jul	0.000885812	0.135781378	1.00004E-05	1.344158649	2.463745117	0.047300063	0.000201073	4.58210659	0.001278158	0.010025608	0.000389768	0.000188913	7.40328E-05	0.09814319	2.00216E-06	6.2315E-05	0.000701131	0.001800281	4.64784E-07
2056 Aug	0.000883823	0.133968145	1.00004E-05	1.331336856	2.425707579	0.045953788	0.000204656	4.545311928	0.001266514	0.009980624	0.00037828	0.000183561	7.30747E-05	0.096766688	2.00205E-06	6.20211E-05	0.000678423	0.001775803	4.42813E-07
2056 Sep	0.000884499	0.133131698	1.00004E-05	1.327703238	2.413450003	0.04531322	0.00021071	4.539337158	0.001261818	0.009989743	0.000371928	0.000180603	7.25791E-05	0.096342601	2.00201E-06	6.23162E-05	0.000669047	0.001763597	4.32727E-07
2056 Oct	0.000888212	0.131863341	1.00004E-05	1.321389198	2.394474268	0.044140317	0.000223127	4.532766342	0.001253238	0.010040396	0.000360366	0.000175208	7.1514E-05	0.095642112	2.00192E-06	6.31416E-05	0.000653386	0.00174135	4.14643E-07
2056 Nov	0.000889077	0.131566361	1.00004E-05	1.319909573	2.390027761	0.043865833	0.00022603	4.531217098	0.00125123	0.010052236	0.000357661	0.000173947	7.12648E-05	0.095477961	2.0019E-06	6.33345E-05	0.000649723	0.001736152	4.10459E-07
2056 Dec	0.000889107	0.131556183	1.00004E-05	1.319858909	2.389875412	0.043856435	0.000226129	4.531163692	0.001251161	0.01005264	0.000357568	0.000173904	7.12562E-05	0.095472336	2.0019E-06	6.33411E-05	0.000649598	0.001735974	4.10317E-07
2057 Jan	0.000889176	0.131567001	1.00004E-05	1.319957852	2.390151262	0.043862492	0.000226167	4.531607628	0.001251215	0.010053006	0.000357571	0.000173893	7.12567E-05	0.095482826	2.0019E-06	6.33455E-05	0.000649638	0.001735902	4.10239E-07
2057 Feb	0.000889255	0.131586358	1.00004E-05	1.320115447	2.390594721	0.043875027	0.000226173	4.532233238	0.00125132	0.010053316	0.000357617	0.000173897	7.12613E-05	0.095499627	2.0019E-06	6.33484E-05	0.00064975	0.001735886	4.10198E-07
2057 Mar	0.000889298	0.131596923	1.00004E-05	1.320201278	2.390836716	0.043881863	0.000226176	4.532574654	0.001251378	0.010053486	0.000357643	0.000173899	7.12638E-05	0.095508799	2.0019E-06	6.335E-05	0.000649812	0.001735878	4.10176E-07
2057 Apr	0.000889323	0.131602943	1.00004E-05	1.320250273	2.390974522	0.043885756	0.000226178	4.532769203	0.00125141	0.010053581	0.000357657	0.0001739	7.12652E-05	0.095514022	2.0019E-06	6.33508E-05	0.000649847	0.001735873	4.10164E-07
2057 May	0.000894709	0.13307263	1.00004E-05	1.3318398	2.423905134	0.044856191	0.00022585	4.577075958	0.001259451	0.010075246	0.000366421	0.000174671	7.21263E-05	0.096756004	2.00187E-06	6.35282E-05	0.000659302	0.001736921	4.02696E-07
2057 Jun	0.000886182	0.13585192	1.00003E-05	1.342876911	2.463824749	0.047252126	0.000202145	4.566142082	0.001277013	0.010060132	0.000389014	0.000189884	7.37855E-05	0.098097429	2.00125E-06	6.26059E-05	0.000704629	0.001806139	2.69116E-07
2057 Jul	0.000869551	0.132483944	1.00002E-05	1.312284827	2.380126953	0.045104906	0.000196081	4.437204361	0.001258199	0.009990163	0.000370338	0.000191137	7.17625E-05	0.094886437	2.00115E-06	6.17655E-05	0.000687807	0.001817785	2.47073E-07
2057 Aug	0.000868918	0.131978825	1.00002E-05	1.309090257	2.370236635	0.044748332	0.000197298	4.428236485	0.001255207	0.009977642	0.000367204	0.000189684	7.15211E-05	0.094535299	2.00113E-06	6.16994E-05	0.000681783	0.001811267	2.44003E-07
2057 Sep	0.00086905	0.131136045	1.00002E-05	1.305564046	2.357878923	0.044142731	0.000202692	4.421843052	0.001250774	0.009979095	0.000361201	0.000186888	7.10846E-05	0.094115883	2.00111E-06	6.19158E-05	0.000672594	0.001799704	2.38876E-07
2057 Oct	0.000870928	0.130467832	1.00002E-05	1.302255273	2.347845793	0.043530513	0.000209099	4.418535233	0.001246306	0.010004253	0.000355177	0.000184062	7.05343E-05	0.093746766	2.00108E-06	6.23343E-05	0.000664329	0.001788015	2.33754E-07
2057 Nov	0.000871181	0.13037838	1.00002E-05	1.301812887	2.346503973	0.043448519	0.000209959	4.418096066	0.001245708	0.010007628	0.00035437	0.000183683	7.04606E-05	0.093697399	2.00108E-06	6.23905E-05	0.000663221	0.001786448	2.33071E-07
2057 Dec	0.000871206	0.13036938	1.00002E-05	1.301768422	2.346369267	0.043440279	0.000210045	4.418052197	0.001245648	0.010007969	0.000354289	0.000183645	7.04532E-05	0.093692437	2.00108E-06	6.23961E-05	0.00066311	0.00178629	2.33002E-07
2058 Jan	0.000871264	0.13037838	1.00002E-05	1.301851749	2.346600056	0.043445271	0.000210079	4.418429852	0.001245693	0.010008278	0.00035429	0.000183634	7.04535E-05	0.093701236	2.00108E-06	6.23999E-05	0.000663141	0.001786225	2.32964E-07
2058 Feb	0.000871332	0.130394742	1.00002E-05	1.301985264	2.346975565	0.043455847	0.000210084	4.418962002	0.001245782	0.01000854	0.000354329	0.000183637	7.04574E-05	0.093715467	2.00108E-06	6.24023E-05	0.000663236	0.001786209	2.32945E-07
2058 Mar	0.000871369	0.130403638	1.00002E-05	1.302057981	2.347180367	0.043461617	0.000210087	4.419252872	0.00124583	0.010008682	0.00035435	0.000183639	7.04595E-05	0.09372323	2.00108E-06	6.24037E-05	0.000663287	0.001786201	2.32934E-07
2058 Apr	0.00087139	0.130408719	1.00002E-05	1.302099466	2.347296715	0.043464899	0.000210089	4.419417858	0.001245857	0.010008764	0.000354362	0.00018364	7.04607E-05	0.093727648	2.00108E-06	6.24045E-05	0.000663316	0.001786196	2.32928E-07
2058 May	0.000896588	0.137138858	1.00002E-05	1.355618238	2.498895645	0.047898408	0.000209248	4.626187801	0.001282726	0.010108395	0.000394398	0.000186743	7.44201E-05	0.099452391	2.00099E-06	6.32453E-05	0.000705748	0.001788876	2.14409E-07
2058 Jun	0.000965892	0.157656237	1.00001E-05	1.51461184	2.952306986	0.061648026	0.000197397	5.220365047	0.001396238	0.010387462	0.000518971	0.000201662	8.65285E-05	0.116512887	2.0006E-06	6.52891E-05	0.000845948	0.001823656	1.29653E-07
2058 Jul	0.000951751	0.154511064	1.00001E-05	1.487021804	2.876116991	0.059607275	0.000193577	5.107806206	0.001378603	0.010326539	0.000501097	0.00020181	8.46462E-05	0.113603026	2.00057E-06	6.46075E-05	0.000828294	0.001829585	1.22261E-07
2058 Aug	0.000948854	0.152946249	1.00001E-05	1.475970984	2.843322515	0.058498397	0.000196097	5.073335648	0.001369223	0.01029175	0.000491413	0.000198266	8.38204E-05	0.112407967	2.00055E-06	6.43835E-05	0.000811567	0.001814197	1.18753E-07
2058 Sep	0.000947917	0.150087446	1.00001E-05	1.460516214	2.794896126	0.056363426	0.000211453	5.035199642	0.001353108	0.010306757	0.000470759	0.000190467	8.20857E-05	0.110667735	2.00052E-06	6.50525E-05	0.000783103	0.001783141	1.12226E-07
2058 Oct	0.000949304	0.14824374	1.00001E-05	1.449663401	2.762869358	0.0548236	0.000223648	5.011381626	0.0013415	0.010345714	0.000455918	0.000184851	8.07046E-05	0.109476849	2.0005E-06	6.57718E-05	0.000763804	0.001760778	1.0763E-07
2058 Nov	0.000949465	0.148029283	1.00001E-05	1.448400974	2.759144068	0.054644499	0.000225067	5.008611202	0.00134015	0.010350247	0.000454192	0.000184198	8.0544E-05	0.109338336	2.0005E-06	6.58555E-05	0.000761559	0.001758178	1.07103E-07
2058 Dec	0.000949476	0.148014858	1.00001E-05	1.448316097	2.75889349	0.054632444	0.000225162	5.008425236	0.001340059	0.010350552	0.000454076	0.000184154	8.05332E-05	0.109329008	2.0005E-06	6.58611E-05	0.000761408	0.001758003	1.07067E-07
2059 Jan	0.000949532	0.148022592	1.00001E-05	1.448390365	2.75909853	0.054636523	0.000225199	5.008773804	0.001340097	0.010350857	0.000454063	0.000184141	8.05321E-05	0.109336838	2.0005E-06	6.58649E-05	0.000761429	0.001757931	1.07048E-07
2059 Feb	0.000949602	0.148039684	1.00001E-05	1.448530078	2.759491444	0.054647595	0.000225205	5.009331703	0.00134019	0.010351129	0.000454099	0.000184144	8.05357E-05	0.109351732	2.0005E-06	6.58675E-05	0.000761527	0.001757914	1.07038E-07
2059 Mar	0.000949641	0.148049027	1.00001E-05	1.448606491	2.75970602	0.054653637	0.000225208	5.009636402	0.00134024	0.010351278	0.000454119	0.000184146	8.05377E-05	0.10935986	2.0005E-06	6.58689E-05	0.000761581	0.001757905	1.07032E-07
2059 Apr	0.000949663	0.148054346	1.00001E-05	1.448649764	2.759828091	0.054657072	0.00022521	5.009809494	0.001340269	0.010351362	0.000454131	0.000184147	8.05388E-05	0.109364487	2.0005E-06	6.58697E-05	0.000761612	0.0017579	1.07029E-07
2059 May	0.00096126	0.151226148	1.00001E-05	1.473747253	2.830945253	0.056757115	0.000224412	5.106329441	0.001357711	0.010396218	0.000473123	0.000185776	8.24137E-05	0.112049095	2.00047E-06	6.62353E-05	0.000781883	0.001759926	1.02033E-07
2059 Jun	0.000992749	0.161017701	1.00001E-05	1.548875332	3.045432091	0.063377425	0.000216495	5.3842206	0.001412228	0.010518134	0.000533276	0.000193866	8.82388E-05	0.120112881	2.00036E-06	6.70419E-05	0.000850412	0.001780984	7.83418E-08
2059 Jul	0.000985633	0.159465522	1.00001E-05	1.535204291	3.007684469	0.06237578	0.000214419	5.328222752	0.00140356	0.010487056	0.000524518	0.000194022	8.73148E-05	0.118670911	2.00035E-06	6.6691E-05	0.000841839	0.001784289	7.62511E-08
2059 Aug	0.00098407	0.158749253	1.00001E-05	1.530318379	2.99298501	0.061886929	0.000215525	5.312448025	0.001399474	0.010470801	0.000520185	0.000192564	8.69546E-05	0.11813809	2.00035E-06	6.65901E-05	0.000834689	0.001778145	7.53344E-08
2059 Sep	0.000982621	0.156852514	1.00001E-05	1.519551396	2.95967865	0.060496472	0.00022448	5.283371449	0.001388873	0.010475238	0.000506824	0.000187911	8.58186E-05	0.116933882	2.00034E-06	6.69447E-05	0.000816649	0.001759935	7.27884E-08
2059 Oct	0.000983663	0.15115273	1.00001E-05	1.484436989	2.856823206	0.055859502	0.000257488	5.196695805	0.001353553	0.010570609	0.000462432	0.000172449	8.16561E-05	0.113097563	2.0003E-06	6.88024E-05	0.000760064	0.001699455	6.4611E-08
2059 Nov	0.000983818	0.150254309	1.00001E-05	1.478897333	2.840599298	0.05512891	0.000262678	5.182996273	0.001347987	0.010585585	0.000455439	0.000170017	8.10001E-05	0.11249239	2.00029E-06	6.90943E-05	0.000751154	0.001689948	6.33591E-08

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.000983821	0.150238305	1.00001E-05	1.478798628	2.840310335	0.055115897	0.00026277	5.182752132	0.001347888	0.010585851	0.000455314	0.000169974	8.09885E-05	0.112481602	2.00029E-06	6.90995E-05	0.000750995	0.001689778	6.33371E-08
2060 Jan	0.000983875	0.150246009	1.00001E-05	1.478871822	2.840512514	0.055120021	0.000262804	5.183092594	0.001347926	0.010586141	0.0004553	0.000169962	8.09872E-05	0.112489328	2.00029E-06	6.91031E-05	0.000751018	0.001689711	6.3325E-08
2060 Feb	0.000983947	0.15026395	1.00001E-05	1.479017615	2.840922594	0.055131692	0.000262808	5.183671951	0.001348024	0.010586414	0.000455338	0.000169966	8.0991E-05	0.11250487	2.00029E-06	6.91056E-05	0.000751122	0.001689698	6.33187E-08
2060 Mar	0.000983987	0.150273681	1.00001E-05	1.479096651	2.841145277	0.055138018	0.00026281	5.183986187	0.001348077	0.010586563	0.000455358	0.000169968	8.0993E-05	0.112513311	2.00029E-06	6.91069E-05	0.000751179	0.00168969	6.33153E-08
2060 Apr	0.000984008	0.150279105	1.00001E-05	1.479140759	2.841269016	0.055141535	0.000262812	5.184161186	0.001348106	0.010586645	0.00045537	0.00016997	8.09941E-05	0.112517998	2.00029E-06	6.91077E-05	0.00075121	0.001689686	6.33134E-08
2060 May	0.00101123	0.158347383	1.00001E-05	1.541851401	3.019414902	0.060568411	0.000257478	5.420432568	0.001392859	0.010683456	0.000504728	0.000175462	8.58358E-05	0.11923521	2.00026E-06	6.97824E-05	0.000804959	0.001700978	5.56333E-08
2060 Jun	0.001039744	0.169156432	1E-05	1.621658087	3.248660326	0.068106361	0.0002398	5.701395988	0.001454088	0.010773029	0.00057391	0.000188161	9.24481E-05	0.127829254	2.00018E-06	6.9997E-05	0.000886876	0.001741543	3.95021E-08
2060 Jul	0.001029904	0.167087242	1E-05	1.603390932	3.198167086	0.066789292	0.000236624	5.625816345	0.001442668	0.010729061	0.000562405	0.000188573	9.12348E-05	0.125901252	2.00018E-06	6.9497E-05	0.000875853	0.001746919	3.82345E-08
2060 Aug	0.001020428	0.163492948	1E-05	1.581919789	3.130112648	0.064538971	0.000243188	5.553269863	0.001424569	0.0106446	0.000541581	0.000182235	8.96732E-05	0.123490728	2.00017E-06	6.90791E-05	0.000844072	0.001721959	3.63262E-08
2060 Sep	0.001000119	0.154308677	1E-05	1.531636	2.967219114	0.058702055	0.000269963	5.391265392	0.001379432	0.010501293	0.000485692	0.000164895	8.54901E-05	0.117758378	2.00015E-06	6.90147E-05	0.000765108	0.001655917	3.15774E-08
2060 Oct	0.000999385	0.151549324	1E-05	1.513467908	2.91498518	0.056477334	0.000283973	5.342030048	0.001362276	0.010542216	0.000464579	0.000158314	8.34546E-05	0.115791708	2.00014E-06	6.97942E-05	0.000739184	0.00163086	2.98606E-08
2060 Nov	0.000999133	0.150567055	1E-05	1.506993651	2.896382809	0.055684522	0.000288969	5.324495792	0.001356163	0.010556939	0.000457056	0.000155969	8.27285E-05	0.115091063	2.00014E-06	7.0073E-05	0.000729953	0.001621936	2.92582E-08
2060 Dec	0.000999128	0.150547072	1E-05	1.506861925	2.8960042	0.055668391	0.000289071	5.324139118	0.001356038	0.01055724	0.000456903	0.000155922	8.27138E-05	0.11507681	2.00014E-06	7.00787E-05	0.000729765	0.001621754	2.9246E-08
2061 Jan	0.000999186	0.150555521	1E-05	1.506939173	2.896220446	0.055672858	0.000289105	5.324498653	0.001356079	0.010557566	0.000456884	0.00015591	8.27119E-05	0.115085006	2.00014E-06	7.00826E-05	0.000729792	0.001621688	2.92396E-08
2061 Feb	0.000999267	0.150575876	1E-05	1.507102609	2.896681547	0.055686079	0.000289107	5.325144768	0.001356189	0.010557874	0.000456927	0.000155916	8.2716E-05	0.115102455	2.00014E-06	7.00853E-05	0.000729912	0.001621678	2.92362E-08
2061 Mar	0.00099931	0.150586903	1E-05	1.507191181	2.896931887	0.055693254	0.000289109	5.325495243	0.001356249	0.010558041	0.00045695	0.000155919	8.27182E-05	0.115111925	2.00014E-06	7.00868E-05	0.000729978	0.001621673	2.92344E-08
2061 Apr	0.000999335	0.150593206	1E-05	1.507241964	2.897075176	0.055697359	0.000289109	5.325695515	0.001356283	0.010558137	0.000456963	0.000155921	8.27195E-05	0.115117334	2.00014E-06	7.00876E-05	0.000730015	0.00162167	2.92334E-08
2061 May	0.001025649	0.158928618	1E-05	1.569506168	3.076165199	0.061294667	0.000280468	5.55593729	0.001402051	0.010656743	0.000508238	0.000163176	8.76044E-05	0.121824913	2.00012E-06	7.06387E-05	0.000788122	0.001640843	2.55656E-08
2061 Jun	0.001045547	0.168949649	1E-05	1.636190891	3.274112463	0.068329252	0.000253715	5.772834301	0.001458008	0.010727428	0.000573829	0.000180287	9.34713E-05	0.129116669	2.00008E-06	7.03151E-05	0.000873203	0.001703906	1.74651E-08
2061 Jul	0.001033091	0.166159764	1E-05	1.610703588	3.204396963	0.066479892	0.000249318	5.670199394	0.001441762	0.010668003	0.000557981	0.00018026	9.1764E-05	0.126443788	2.00008E-06	6.96096E-05	0.00085636	0.00170786	1.67039E-08
2061 Aug	0.001030807	0.165279895	1E-05	1.603728056	3.184440851	0.065859437	0.000249689	5.646380424	0.001436397	0.010647491	0.000552668	0.000178814	9.12694E-05	0.125701189	2.00008E-06	6.94329E-05	0.000847893	0.001701821	1.6471E-08
2061 Sep	0.00102766	0.163607255	1E-05	1.593804717	3.15366745	0.064726681	0.000255037	5.615030766	0.001427594	0.010633463	0.000541895	0.000175658	9.03793E-05	0.1245922	2.00007E-06	6.95191E-05	0.000833523	0.001689994	1.60535E-08
2061 Oct	0.001024558	0.158417746	1E-05	1.559063554	3.053841829	0.060620122	0.000278991	5.516458035	0.001395749	0.010695423	0.000503056	0.000164215	8.66339E-05	0.120834492	2.00007E-06	7.07845E-05	0.000786295	0.001647091	1.45907E-08
2061 Nov	0.001023503	0.156633049	1E-05	1.54712224	3.01952672	0.05920741	0.000287247	5.482608795	0.001384797	0.010716837	0.000489693	0.000160273	8.53455E-05	0.119542807	2.00007E-06	7.12211E-05	0.000770044	0.001632307	1.40983E-08
2061 Dec	0.001023491	0.156611949	1E-05	1.546981096	3.01912117	0.059190702	0.000287345	5.482209206	0.001384667	0.010717091	0.000489535	0.000160226	8.53302E-05	0.119527534	2.00007E-06	7.12263E-05	0.000769852	0.001632132	1.40925E-08
2062 Jan	0.001023544	0.156619459	1E-05	1.547050953	3.019315958	0.059194617	0.000287379	5.48253727	0.001384703	0.010717392	0.000489512	0.000160215	8.5328E-05	0.119534925	2.00007E-06	7.12299E-05	0.000769874	0.001632068	1.40895E-08
2062 Feb	0.001023622	0.156639025	1E-05	1.54720819	3.019759893	0.059207357	0.00028738	5.483159065	0.001384809	0.010717684	0.000489551	0.000160221	8.53317E-05	0.119551718	2.00007E-06	7.12325E-05	0.00076999	0.001632059	1.40879E-08
2062 Mar	0.001023664	0.156649694	1E-05	1.547294021	3.020001888	0.059214309	0.000287381	5.48349762	0.001384867	0.010717844	0.000489573	0.000160224	8.53338E-05	0.119560875	2.00007E-06	7.12339E-05	0.000770053	0.001632054	1.4087E-08
2062 Apr	0.001023688	0.156655774	1E-05	1.547342896	3.020139933	0.059218273	0.000287382	5.483691216	0.0013849	0.010717935	0.000489585	0.000160226	8.5335E-05	0.119566105	2.00007E-06	7.12348E-05	0.000770089	0.001632051	1.40865E-08
2062 May	0.001023697	0.156658337	1E-05	1.547363162	3.020197392	0.059219953	0.000287381	5.483769894	0.001384914	0.010717971	0.000489592	0.000160227	8.53357E-05	0.119568273	2.00007E-06	7.12351E-05	0.000770105	0.001632052	1.40862E-08
2062 Jun	0.000922594	0.1387804	1E-05	1.384465456	2.57299614	0.048457496	0.000244235	4.769033909	0.001291151	0.010312131	0.000395132	0.000176081	7.50107E-05	0.10239578	2.00005E-06	6.62503E-05	0.000702615	0.001740569	1.02139E-08
2062 Jul	0.000868486	0.128648981	1E-05	1.291033626	2.317315578	0.042164512	0.000220676	4.369337082	0.001235827	0.010075727	0.000340711	0.000182425	6.90572E-05	0.092576377	2.00004E-06	6.33415E-05	0.000656737	0.001787706	8.07606E-09
2062 Aug	0.000862279	0.125049621	1E-05	1.270192623	2.250093937	0.039790414	0.000229069	4.30918169	0.001216362	0.009976841	0.000319371	0.00017981	6.75478E-05	0.090231888	2.00003E-06	6.28366E-05	0.000616817	0.001746196	7.41986E-09
2062 Sep	0.000863797	0.122266851	1E-05	1.257752895	2.208188534	0.037687477	0.0002479	4.288152218	0.001200967	0.009998421	0.000298656	0.000163496	6.59369E-05	0.088777155	2.00003E-06	6.37015E-05	0.00058595	0.001707014	6.85422E-09
2062 Oct	0.000880504	0.117051594	1E-05	1.231589794	2.129748821	0.032767691	0.000300198	4.267561913	0.001165247	0.010217951	0.000250332	0.000140608	6.14437E-05	0.085864961	2.00003E-06	6.72144E-05	0.00051986	0.001612051	5.56555E-09
2062 Nov	0.000881937	0.116642326	1E-05	1.229584813	2.123719931	0.032376386	0.000304478	4.266403675	0.001162419	0.010236247	0.000246479	0.000138745	6.10856E-05	0.08564125	2.00003E-06	6.75047E-05	0.000514568	0.0016043	5.46487E-09
2062 Dec	0.000881965	0.116634533	1E-05	1.229547024	2.123605967	0.032368906	0.00030456	4.266384125	0.001162365	0.010236602	0.000246405	0.000138709	6.10788E-05	0.085637018	2.00003E-06	6.75103E-05	0.000514467	0.00160415	5.46295E-09
2063 Jan	0.000882033	0.116646849	1E-05	1.229654312	2.123906612	0.03237614	0.000304589	4.266850948	0.001162428	0.010236941	0.000246419	0.000138702	6.10803E-05	0.085648417	2.00003E-06	6.75141E-05	0.000514522	0.001604094	5.4619E-09
2063 Feb	0.000882112	0.116667099	1E-05	1.229817152	2.124365568	0.032389376	0.00030459	4.267492771	0.001162538	0.010237237	0.000246472	0.000138708	6.10854E-05	0.0856658	2.00003E-06	6.75167E-05	0.000514643	0.001604087	5.46136E-09
2063 Mar	0.000882156	0.116678141	1E-05	1.229905963	2.124616146	0.032396592	0.00030459	4.26784277	0.001162598	0.010237399	0.000246501	0.000138711	6.10882E-05	0.085675284	2.00003E-06	6.75182E-05	0.000514708	0.001604083	5.46106E-09
2063 Apr	0.00088218	0.116684429	1E-05	1.229956508	2.12475872	0.032400694	0.00030459	4.268041611	0.001162633	0.010237493	0.000246517	0.000138713	6.10898E-05	0.085680671	2.00003E-06	6.7519E-05	0.000514746	0.00160408	5.46089E-09
2063 May	0.000901585	0.122610375	1E-05	1.275383234	2.254260063	0.036393166	0.000299646	4.438079834	0.001195448	0.010305703	0.000282938	0.000143174	6.46317E-05	0.090554208	2.00002E-06	6.79497E-05	0.000554846	0.001614324	5.11295E-09
2063 Jun	0.000945402	0.144008502	1E-05	1.424355984	2.688512564	0.051642373	0.000246246	4.931278706	0.001317599	0.010421813	0.000424275	0.000177083	7.77406E-05	0.106706321	2.00001E-06	6.71997E-05	0.000732169	0.001735876	2.7546E-09
2063 Jul	0.000919745	0.139294982	1E-05	1.380817056	2.569247961	0.048741274	0.000234606	4.744050026	0.001292017	0.010306325	0.000399239	0.00018025	7.50062E-05	0.102129191	2.00001E-06	6.57806E-05	0.000711137	0.001758728	2.47692E-09
2063 Aug	0.000917869	0.138368681	1E-05	1.374625325	2.550338745	0.048111778	0.000235951	4.724845409	0.001286697	0.010280469	0.000393743	0.000178089	7.45724E-05	0.101451218	2.00001E-06	6.56066E-05	0.000701075	0.001749206	2.42701E-09
2063 Sep	0.000913869	0.135981336	1E-05	1.36391592	2.512426615	0.04662906	0.000245233	4.695115089	0.001275578	0.010238759	0.000379237	0.000172252	7.36351E-05	0.100174852	2.00001E-06	6.56614E-05	0.0006783	0.001725597	2.31181E-09
2063 Oct	0.000916207	0.134368375	1E-05	1.354710937	2.485245943	0.045227934	0.00025737	4.678159237	0.00126512	0.010282268	0.000365686	0.000166728	7.23688E-05	0.099162616	2.00001E-06	6.64137E-05	0.000660341	0.001703226	2.20601E-09
2063 Nov	0.000916615	0.134090528	1E-05	1.353127003	2.480568409	0.044986382	0.000259467	4.675254822	0.001263317	0.010289801	0.000363349	0.000165773	7.21505E-05	0.098988421	2.00001E-06	6.65438E-05	0.000657243	0.001699361	2.18791E-09
2063 Dec	0.000916632	0.134078652	1E-05	1.353059292	2.480368614	0.044976056	0.000259556	4.675131321	0.00126324	0.010290125	0.000363249	0.000165732	7.21411E-05	0.098980986	2.00001E-06	6.65494E-05	0.00065711	0.001699195	2.18714E-09
2064 Jan	0.000916695	0.134088844	1E-05	1.353151321	2.480624676	0.044981793	0.000259589	4.675545216	0.001263291	0.010290449	0.000363249	0.000165722	7.21413E-05	0.098990731	2.00001E-06	6.65532E-05	0.000657149	0.001699129	2.18672E-09
2064 Feb	0.000916773	0.134108305	1E-05	1.353308678	2.481068134	0.044994459	0.000259592	4.676169395	0.001263397	0.010290743	0.000363295	0.000165727	7.21458E-05	0.099007517	2.00001E-06	6.65559E-05	0.000657263	0.001699117	2.1865E-09
2064 Mar	0.000916815	0.134118855	1E-05	1.353394032	2.481308699	0.045001332	0.000259594	4.67650795	0.001263454	0.010290901	0.00036332	0.00016573	7.21482E-05	0.099016622	2.00001E-06	6.65573E-05	0.000657325	0.001699111	2.18638E-09
2064 Apr	0.000916839	0.134124726	1E-05	1.353441477	2.481442451	0.04500515	0.000259595	4.676695824	0.001263486	0.010290991	0.000363334	0.000165731	7.21496E-05	0.099021688	2.00001E-06	6.65581E-05	0.000657359	0.001699107	2.18631E-09
2064 May	0.000943298	0.141868979	1E-05	1.413349986	2.651936531	0.050183259	0.000254614	4.903607368	0.001306178	0.010386585	0.000410489	0.000170853	7.67546E-05	0.105443411	2.00001E-06	6.7224E-05	0.000708485	0.00170916	1.97876E-09
2064 Jun	0.001000631	0.161121354	1E-05	1.557228804	3.064730883	0.063312888	0.000230795	5.427954674	0.001413398	0.010585113	0.000530792	0.000189416	8.82782E-05	0.120924346	2.00001E-06	6.81576E-05	0.000846294	0.001761928	1.25848E-09
2064 Jul	0.000987576	0.157807365	1E-05	1.526806712	2.981570005	0.061028492	0.000226391	5.310674191	0.001393154	0.01051085	0.000511535	0.000187901	8.62246E-05	0.11774236	2.00001E-06	6.72925E-05	0.000822267	0.001758695	1.18344E-09
2064 Aug	0.000980726	0.15472436	1E-05	1.502978921	2.912773609	0.058824621	0.000228746	5.232845306	0.001374109	0.010436393	0.00049272	0.000181796	8.45212E-05	0.115198694	2.00001E-06	6.66854E-05	0.000790184	0.001732187	1.11804E-09
2064 Sep	0.000971801	0.149085119	1E-05	1.473041534	2.815680265	0.055065736	0.000250212	5.144850254	0.001345466	0.010384485	0.000456437	0.000169413	8.17366E-05	0.111777708	2E-06	6.7102E-05	0.000739068	0.001684025	1.01199E-09
2064 Oct	0.000972142	0.147768542	1E-05	1.46484375	2.791827679	0.053983293	0.000257987	5.124740601	0.001337241	0.010409265	0.000446064	0.000165857	8.07516E-05	0.110883944	2E-06	6.75569E-05	0.000726083	0.001670201	9.82455E-10
2064 Nov	0.000972147	0.147749573	1E-05	1.464725614	2.791484118	0.053967688	0.000258099	5.12445116	0.001337122	0.010409624	0.000445914	0.000165806	8.07374E-05	0.110871062	2E-06	6.75635E-05	0.000725896	0.001670002	9.82034E-10
2064 Dec	0.00097215	0.147739545	1E-05	1.464663148	2.791302443	0.053959444	0.000258159	5.124298573	0.00133706	0.010409813	0.000445835	0.000165779	8.07299E-05	0.110864252	2E-06	6.7567E-05	0.000725797	0.001669896	9.81812E-10
2065 Jan	0.000972186	0.14774476	1E-05	1.464711785	2.791437626	0.053962246	0.000258181	5.124522686	0.001337085	0.010410012	0.000445827	0.000165772	8.07292E-05	0.110869393	2E-06	6.75694E-05	0.000725814	0.001669855	9.8169E-10
2065 Feb	0.000972232	0.147756457	1E-05	1.464806437	2.791704178	0.053969845	0.000258183	5.124898434	0.001337149	0.010410192	0.000445852	0.000165775	8.07316E-05	0.110879481	2E-06	6.7571E-05	0.000725883	0.001669848	9.81627E-10
2065 Mar	0.000972258	0.14776282	1E-05	1.464857817	2.791849375	0.053973977	0.000258184	5.125102997	0.001337183	0.010410291	0.000445866	0.000165776	8.07329E-05	0.110884979	2E-06	6.75719E-05	0.00072592	0.001669844	9.81592E-10
2065 Apr	0.000972273	0.147766441	1E-05	1.464887142	2.791932106	0.053976335	0.000258185	5.125219345	0.001337203	0.010410347	0.000445874	0.000165777	8.07337E-05	0.110888109	2E-06	6.75724E-05	0.000725942	0.001669842	9.81572E-10
2065 May	0.000991279	0.153418392	1E-05	1.508385777	2.916034698	0.05775765	0.000254399	5.288954735	0.001368417	0.010483904	0.000480246	0.000169892	8.40654E-05	0.115554102	2E-06	6.8085E-05	0.000764233	0.001679217	8.991E-10
2065 Jun	0.00100449	0.161216825	1E-05	1.560528755	3.070430279	0.063354164	0.000232198	5.452598095	0.00141321	0.010537714	0.000532019	0.000184957	8.86999E-05	0.121240303	2E-06	6.78078E-05	0.00083501	0.001737467	6.25539E-10
2065 Jul	0.000990301	0.158267662	1E-05	1.534152865	2.997864723	0.061469086	0.00022744	5.343150616	0.001396857	0.010477393	0.000515561	0.000185775	8.69386E-05	0.118461266	2E-06	6.71027E-05	0.000819782	0.00174632	5.94617E-10
2065 Aug	0.000986082	0.156557307	1E-05	1.523659468	2.964977741	0.060372148	0.000230595	5.308456421	0.001387965	0.01043805	0.000505507	0.000182577	8.61667E-05	0.117290601	2E-06	6.69034E-05	0.000804066	0.00173344	5.78781E-10
2065 Sep	0.000981203	0.151100487	1E-05	1.491546273	2.867016315	0.056357868	0.000255229	5.218906403	0.001357256	0.010454213	0.00046704	0.000169951	8.28197E-05	0.113720827	2E-06	6.79006E-05	0.000753586	0.001684812	5.23126E-10
2065 Oct	0.000981583	0.143109709	1E-05	1.440770388	2.719877958	0.049844041	0.00029986	5.089142799	0.001307511	0.010592026	0.000404814	0.000149384	7.68815E-05	0.108198263	2E-06	7.04672E-05	0.000676359	0.001605521	4.37546E-10
2065 Nov	0.000981687	0.141697675	1E-05	1.43180573	2.693904877	0.048691086	0.000307798	5.066325665	0.00129871	0.010616753	0.000393798	0.000145732	7.58298E-05	0.107223272	2E-06	7.09254E-05	0.000662683	0.001591429	4.22968E-10
2065 Dec	0.000981689	0.141681582	1E-05	1.431703568	2.693608522	0.048677929	0.000307889	5.066066265	0.00129861	0.010617036	0.000393672	0.00014569	7.58178E-05	0.107212149	2E-06	7.09307E-05	0.000662527	0.001591268	4.22804E-10
2066 Jan	0.000981748	0.141691223	1E-05	1.431790471	2.693850994	0.048683353	0.00030792	5.066456318	0.001298658	0.010617354	0.000393664	0.000145681	7.5817E-05	0.10722135	2E-06	7.09344E-05	0.000662564	0.001591208	4.22713E-10
2066 Feb	0.000981828	0.141711637	1E-05	1.431954384	2.694313765	0.048696697	0.000307921	5.067102432	0.001298769	0.010617653	0.00039371	0.000145687	7.58215E-05	0.107238866	2E-06	7.0937E-05	0.000662686	0.001591201	4.22666E-10
2066 Mar	0.000981872	0.141722798	1E-05	1.432044148	2.694566727	0.048703987	0.000307921	5.067456245	0.00129883	0.010617817	0.000393735	0.000145691	7.58239E-05	0.107248448	2E-06	7.09385E-05	0.000662753	0.001591197	4.22641E-10
2066 Apr	0.000981897	0.141729146	1E-05	1.43209517	2.69471097	0.048708137	0.000307921	5.067656994	0.001298865	0.010617911	0.000393749	0.000145693	7.58253E-05	0.107253894	2E-06	7.09393E-05	0.000662791	0.001591195	4.22626E-10
2066 May	0.000984074	0.142432436	1E-05	1.437413573	2.709921122	0.049185809	0.000307169	5.087254524	0.001302777	0.010625469	0.000398109	0.00014631	7.62459E-05	0.107825287	2E-06	7.09802E-05	0.000667715	0.001592831	4.18346E-10
2066 Jun	0.000935308	0.139275119	1E-05	1.391019702	2.591905355	0.0482677	0.00025787	4.819173813	0.001290604	0.010402339	0.000392913	0.000170122	7.47904E-05	0.103099264	2E-06	6.74096E-05	0.000694346	0.00171192	2.70684E-10
2066 Jul	0.000911316	0.134748355	1E-05	1.348577619	2.476057053	0.045429129	0.000246423	4.639182091	0.001265356	0.010287363	0.000368719	0.000172569	7.21333E-05	0.09864977	2E-06	6.59829E-05	0.000672123	0.001730439	2.43986E-10
2066 Aug	0.000908878	0.133580476	1E-05	1.340365171	2.451400042	0.044624347	0.000247703	4.613373756	0.001258458	0.010253578	0.000361799	0.000169895	7.15684E-05	0.097758546	2E-06	6.57324E-05	0.000659298	0.001718549	2.37539E-10
2066 Sep	0.000908761	0.131817251	1E-05	1.331326962	2.422509193	0.043302588	0.000257904	4.593054295	0.001248585	0.01026416	0.000348943	0.000164728	7.05128E-05	0.096729793	2E-06	6.61854E-05	0.000641142	0.001697705	2.27209E-10
2066 Oct	0.000911978	0.129575148	1E-05	1.318630457	2.384920835	0.041360233	0.000274837	4.569741726	0.001234119	0.010324841	0.000330123	0.000157074	6.87587E-05	0.095331363	2E-06	6.72372E-05	0.000616304	0.001666773	2.12263E-10

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.000912896	0.128963649	1E-05	1.315186858	2.37471652	0.040828932	0.000279513	4.563549042	0.001230166	0.010341709	0.000324971	0.000154963	6.82789E-05	0.094951861	2E-06	6.75287E-05	0.000609493	0.00165823	2.08224E-10
2066 Dec	0.000912914	0.128951877	1E-05	1.315120697	2.37452054	0.040818688	0.000279604	4.563431263	0.00123009	0.010342037	0.000324872	0.000154922	6.82696E-05	0.094944566	2E-06	6.75344E-05	0.000609361	0.001658065	2.08146E-10
2067 Jan	0.000912981	0.128963083	1E-05	1.315221071	2.374799967	0.040825136	0.000279636	4.563876629	0.001230147	0.010342373	0.000324875	0.000154912	6.82701E-05	0.094955191	2E-06	6.75383E-05	0.000609406	0.001658001	2.08104E-10
2067 Feb	0.000913062	0.128983691	1E-05	1.315387368	2.375268459	0.040838584	0.000279638	4.564533234	0.00123026	0.010342675	0.000324925	0.000154918	6.8275E-05	0.094972931	2E-06	6.7541E-05	0.000609528	0.001657991	2.08082E-10
2067 Mar	0.000913106	0.128994927	1E-05	1.315477967	2.375523806	0.040845923	0.000279639	4.564891338	0.001230321	0.010342841	0.000324952	0.000154921	6.82777E-05	0.094982602	2E-06	6.75425E-05	0.000609595	0.001657986	2.0807E-10
2067 Apr	0.000913132	0.129001319	1E-05	1.315529704	2.375669241	0.040850103	0.000279639	4.565094948	0.001230356	0.010342935	0.000324968	0.000154923	6.82792E-05	0.094988115	2E-06	6.75433E-05	0.000609633	0.001657983	2.08063E-10
2067 May	0.000932727	0.13494207	1E-05	1.361358762	2.506036758	0.04485739	0.000274962	4.737036228	0.001263336	0.010410849	0.000361486	0.000159247	7.18483E-05	0.099899858	2E-06	6.79845E-05	0.000649597	0.001667542	1.92748E-10
2067 Jun	0.000967189	0.1480418	1E-05	1.45767498	2.782891273	0.053983029	0.000252952	5.077002525	0.001337421	0.010516242	0.000445357	0.000174659	7.98495E-05	0.110273324	2E-06	6.81913E-05	0.000748542	0.001716564	1.41892E-10
2067 Jul	0.000958481	0.14616105	1E-05	1.440010667	2.734729052	0.052740678	0.000248988	5.005670071	0.001326304	0.010468366	0.000434932	0.000174678	7.87179E-05	0.108426675	2E-06	6.76091E-05	0.000736727	0.00171902	1.36201E-10
2067 Aug	0.000953595	0.143796995	1E-05	1.419133902	2.676688194	0.050940759	0.000248541	4.938252449	0.001310054	0.010401153	0.000420383	0.000169583	7.72935E-05	0.106245458	2E-06	6.69255E-05	0.000709239	0.001695449	1.28866E-10
2067 Sep	0.000951271	0.14175874	1E-05	1.408836842	2.642825127	0.04955117	0.000257666	4.910480499	0.001299597	0.010389356	0.000406869	0.000164573	7.62632E-05	0.105059415	2E-06	6.71816E-05	0.000689939	0.001675628	1.2344E-10
2067 Oct	0.000954029	0.138120607	1E-05	1.387432456	2.579727173	0.04650674	0.000281973	4.863801003	0.001276755	0.010470557	0.000377457	0.000153617	7.35134E-05	0.102708362	2E-06	6.86464E-05	0.00065232	0.001632297	1.11967E-10
2067 Nov	0.000954675	0.137276292	1E-05	1.382469773	2.565095901	0.045800008	0.000287627	4.852994919	0.001271454	0.010489502	0.000370627	0.000151072	7.28749E-05	0.102163188	2E-06	6.89877E-05	0.000643591	0.001622237	1.09365E-10
2067 Dec	0.000954687	0.137260661	1E-05	1.382377982	2.564825296	0.045786925	0.000287732	4.852795124	0.001271356	0.010489853	0.000370501	0.000151025	7.2863E-05	0.102153108	2E-06	6.8994E-05	0.00064343	0.001622051	1.09318E-10
2068 Jan	0.000954758	0.137272492	1E-05	1.382484913	2.565122366	0.045793712	0.000287768	4.853270531	0.001271416	0.010490219	0.000370499	0.000151015	7.2863E-05	0.102164418	2E-06	6.89983E-05	0.000643478	0.001621982	1.09292E-10
2068 Feb	0.000954849	0.137295768	1E-05	1.382672906	2.565652132	0.045808949	0.00028777	4.854012012	0.001271544	0.01049056	0.000370554	0.000151022	7.28684E-05	0.102184474	2E-06	6.90014E-05	0.000643616	0.001621973	1.09279E-10
2068 Mar	0.000954899	0.137308389	1E-05	1.382774949	2.565939188	0.045817208	0.000287771	4.854413509	0.001271612	0.010490745	0.000370584	0.000151026	7.28713E-05	0.102195352	2E-06	6.9003E-05	0.000643691	0.001621968	1.09271E-10
2068 Apr	0.000954927	0.137315407	1E-05	1.382831454	2.56609869	0.045821797	0.000287771	4.854637146	0.001271651	0.010490848	0.000370601	0.000151028	7.2873E-05	0.102201395	2E-06	6.90039E-05	0.000643733	0.001621965	1.09267E-10
2068 May	0.000973422	0.14312622	1E-05	1.427579045	2.693372011	0.04977392	0.000282557	5.020783901	0.001304173	0.010554746	0.000406586	0.000155714	7.63876E-05	0.106995955	2E-06	6.93985E-05	0.00068386	0.0016336	1.0115E-10
2068 Jun	0.001000033	0.157690197	1E-05	1.529804945	2.989979506	0.060359608	0.000243838	5.351355076	0.001389196	0.010617952	0.000504322	0.000180776	8.55231E-05	0.118049398	2E-06	6.8726E-05	0.000809526	0.00172641	6.08807E-11
2068 Jul	0.000977341	0.152637228	1E-05	1.48373723	2.863571644	0.057031199	0.000235254	5.166104317	0.00135981	0.01049963	0.000475971	0.000180488	8.24996E-05	0.113214992	2E-06	6.7339E-05	0.000778071	0.001731983	5.53554E-11
2068 Aug	0.000974187	0.151331678	1E-05	1.474710107	2.836424351	0.056153934	0.000236776	5.136339188	0.001352423	0.010466422	0.000468251	0.000177971	8.18615E-05	0.112231083	2E-06	6.7109E-05	0.000765195	0.001721358	5.40665E-11
2068 Sep	0.000971609	0.148461103	1E-05	1.458573937	2.786209345	0.054077346	0.000250024	5.092175961	0.001336643	0.010470273	0.000448242	0.000171134	8.01762E-05	0.110419959	2E-06	6.76184E-05	0.000738397	0.001694816	5.11075E-11
2068 Oct	0.000971813	0.147103339	1E-05	1.450255036	2.761801481	0.052975953	0.000257921	5.071631432	0.001328288	0.010493598	0.000437668	0.000167504	7.91849E-05	0.109509498	2E-06	6.80688E-05	0.000725096	0.001680715	4.95644E-11
2068 Nov	0.00097183	0.14699547	1E-05	1.449594736	2.759864092	0.052888412	0.00025855	5.070003986	0.001327624	0.010495461	0.000436828	0.000167215	7.91061E-05	0.109437227	2E-06	6.81047E-05	0.000724038	0.001679592	4.9443E-11
2068 Dec	0.000971832	0.146982998	1E-05	1.449518323	2.759639978	0.052878283	0.000258623	5.069816113	0.001327547	0.010495677	0.00043673	0.000167181	7.90969E-05	0.109428868	2E-06	6.81088E-05	0.000723916	0.001679462	4.9429E-11
2069 Jan	0.000971876	0.146989703	1E-05	1.449580908	2.75981307	0.05288199	0.000258649	5.070101738	0.001327581	0.010495911	0.000436722	0.000167173	7.90962E-05	0.109435469	2E-06	6.81117E-05	0.000723939	0.001679413	4.94214E-11
2069 Feb	0.000971935	0.147004381	1E-05	1.449700117	2.760148287	0.052891571	0.000258651	5.070573807	0.001327661	0.010496133	0.000436754	0.000167177	7.90994E-05	0.109448172	2E-06	6.81137E-05	0.000724026	0.001679404	4.94174E-11
2069 Mar	0.000971967	0.147012383	1E-05	1.449765086	2.760331154	0.052896798	0.000258653	5.070831299	0.001327705	0.010496253	0.000436771	0.000167179	7.91011E-05	0.109455101	2E-06	6.81148E-05	0.000724073	0.001679399	4.94152E-11
2069 Apr	0.000971985	0.147016943	1E-05	1.449802041	2.760435343	0.052899774	0.000258653	5.070977688	0.00132773	0.010496322	0.000436781	0.00016718	7.91021E-05	0.10945905	2E-06	6.81154E-05	0.0007241	0.001679397	4.9414E-11
2069 May	0.000973516	0.147481784	1E-05	1.453415036	2.770693064	0.053214297	0.000258316	5.084512711	0.001330327	0.010501815	0.000439633	0.000167524	7.93816E-05	0.10984578	2E-06	6.8153E-05	0.000727262	0.001680185	4.90644E-11
2069 Jun	0.000916183	0.139840961	1E-05	1.378188014	2.56653285	0.049155444	0.000222858	4.722851753	0.0012936	0.010263123	0.000404702	0.000183843	7.52742E-05	0.101949863	2E-06	6.49436E-05	0.000717394	0.00177274	3.37981E-11
2069 Jul	0.000893663	0.135467082	1E-05	1.33877933	2.458010674	0.046431623	0.000214036	4.555914879	0.001269826	0.010163194	0.000381002	0.000185916	7.27337E-05	0.09779606	2E-06	6.37601E-05	0.000696474	0.001789938	3.06495E-11
2069 Aug	0.00088982	0.133428916	1E-05	1.326679587	2.419435263	0.045089018	0.000218494	4.519734859	0.001258823	0.010109698	0.000368909	0.000180929	7.18525E-05	0.096440852	2E-06	6.34836E-05	0.000674717	0.001768322	2.93415E-11
2069 Sep	0.000892036	0.129833609	1E-05	1.308984876	2.362707376	0.042276945	0.000242807	4.486488342	0.001238083	0.010155661	0.000341366	0.000169165	6.95599E-05	0.094419599	2E-06	6.47208E-05	0.000635839	0.001720419	2.67007E-11
2069 Oct	0.000902013	0.12489944	1E-05	1.282874823	2.284227133	0.037908908	0.000284568	4.448669434	0.001205994	0.010311559	0.000298674	0.000150594	6.56322E-05	0.091517366	2E-06	6.73811E-05	0.000578586	0.001644586	2.27096E-11
2069 Nov	0.000904437	0.12379314	1E-05	1.277098417	2.266830206	0.036921818	0.000294198	4.440908432	0.001198762	0.010348066	0.000289012	0.000146326	6.47439E-05	0.090874381	2E-06	6.79993E-05	0.000565581	0.001627109	2.18315E-11
2069 Dec	0.000904463	0.123781227	1E-05	1.277036548	2.266643763	0.036911167	0.000294303	4.44082737	0.001198684	0.010348464	0.000288908	0.000146279	6.47343E-05	0.09086749	2E-06	6.8006E-05	0.00056544	0.001626919	2.18221E-11
2070 Jan	0.000904543	0.123795152	1E-05	1.277160764	2.26698947	0.0369193	0.00029434	4.441372871	0.001198756	0.010348863	0.000288917	0.000146269	6.47355E-05	0.09088064	2E-06	6.80106E-05	0.000565499	0.001626847	2.18169E-11
2070 Feb	0.000904639	0.123819537	1E-05	1.277357817	2.267544508	0.036935247	0.000294342	4.442150593	0.001198889	0.010349221	0.000288978	0.000146276	6.47415E-05	0.090901658	2E-06	6.80138E-05	0.000565644	0.001626836	2.18143E-11
2070 Mar	0.000904691	0.123832785	1E-05	1.277464628	2.267845631	0.036943909	0.000294343	4.442572594	0.001198961	0.010349414	0.000289012	0.00014628	6.47448E-05	0.090913072	2E-06	6.80156E-05	0.000565722	0.00162683	2.18128E-11
2070 Apr	0.000904784	0.123856135	1E-05	1.277653456	2.268377542	0.03695919	0.000294345	4.443317413	0.001199089	0.010349756	0.00028907	0.000146287	6.47505E-05	0.090933219	2E-06	6.80186E-05	0.000565861	0.001626819	2.18102E-11
2070 May	0.00092338	0.12951608	1E-05	1.32147193	2.392853022	0.040787689	0.000289904	4.607533932	0.001230622	0.010413561	0.000323757	0.000150424	6.81502E-05	0.095626235	2E-06	6.84357E-05	0.000604036	0.001636033	2.03929E-11
2070 Jun	0.000967061	0.145330563	1E-05	1.439617157	2.73095417	0.051767688	0.000266514	5.030067921	0.001320115	0.010548757	0.000424414	0.000167498	7.78447E-05	0.108323783	2E-06	6.88734E-05	0.00072089	0.001687987	1.48508E-11
2070 Jul	0.000955926	0.143146053	1E-05	1.41903913	2.674795151	0.050375108	0.000261054	4.944267273	0.001307644	0.010490545	0.000412682	0.000168249	7.65631E-05	0.106169432	2E-06	6.81566E-05	0.000708911	0.001694554	1.41293E-11
2070 Aug	0.000952449	0.141556233	1E-05	1.406391025	2.638362408	0.049231183	0.000261526	4.903506279	0.001297534	0.010443047	0.000403187	0.000164797	7.57121E-05	0.104825169	2E-06	6.77328E-05	0.000691057	0.001678887	1.36122E-11
2070 Sep	0.000953243	0.13760832	1E-05	1.384590507	2.571497679	0.046129949	0.000285442	4.853841782	0.001274291	0.010494166	0.00037315	0.000153375	7.30743E-05	0.102389187	2E-06	6.89756E-05	0.000650896	0.001633467	1.22866E-11
2070 Oct	0.000956261	0.134168878	1E-05	1.364565849	2.512330532	0.043237388	0.000308981	4.811490536	0.001252628	0.010573342	0.000345193	0.000142753	7.04677E-05	0.100186981	2E-06	7.03993E-05	0.000614858	0.001591256	1.11054E-11
2070 Nov	0.000956596	0.133785069	1E-05	1.362330556	2.505726337	0.042914659	0.000311606	4.806756496	0.001250211	0.01058218	0.000342074	0.000141569	7.01768E-05	0.099941157	2E-06	7.05581E-05	0.00061084	0.001586554	1.09767E-11
2070 Dec	0.000956605	0.13377437	1E-05	1.36226809	2.505542278	0.042905662	0.000311679	4.806624413	0.001250144	0.010582427	0.000341987	0.000141536	7.01687E-05	0.099934302	2E-06	7.05626E-05	0.000610728	0.001586423	1.09732E-11
2071 Jan	0.000956659	0.133783832	1E-05	1.362352371	2.505776882	0.042911205	0.000311704	4.806993484	0.001250193	0.010582697	0.00034199	0.000141529	7.0169E-05	0.099943221	2E-06	7.05657E-05	0.000610768	0.001586375	1.09712E-11
2071 Feb	0.000956728	0.13380152	1E-05	1.362494826	2.506177902	0.042922813	0.000311704	4.807552814	0.001250289	0.010582947	0.000342033	0.000141535	7.01732E-05	0.099958412	2E-06	7.05679E-05	0.000610874	0.00158637	1.09702E-11
2071 Mar	0.000956765	0.133811176	1E-05	1.362572551	2.506397247	0.042929158	0.000311704	4.807858467	0.001250342	0.010583084	0.000342056	0.000141538	7.01755E-05	0.09996672	2E-06	7.05691E-05	0.000610932	0.001586367	1.09697E-11
2071 Apr	0.000956786	0.133816674	1E-05	1.362616897	2.50652194	0.042932771	0.000311704	4.808032513	0.001250373	0.010583162	0.00034207	0.00014154	7.01769E-05	0.099971443	2E-06	7.05698E-05	0.000610965	0.001586366	1.09694E-11
2071 May	0.000977221	0.140457496	1E-05	1.413420081	2.651103258	0.047478165	0.000304636	4.99512434	0.001287646	0.010649028	0.000383577	0.000147252	7.42277E-05	0.105417788	2E-06	7.09235E-05	0.000657291	0.001601192	1.00552E-11
2071 Jun	0.001000259	0.153542712	1E-05	1.504858017	2.916209936	0.057036314	0.000267861	5.289330959	0.001364088	0.010685937	0.000472179	0.000169861	8.25405E-05	0.115307756	2E-06	7.0084E-05	0.000769488	0.001684276	6.74246E-12
2071 Jul	0.000980565	0.149951577	1E-05	1.472078562	2.826030254	0.054850832	0.000259066	5.147808075	0.001344863	0.010595815	0.000453261	0.000172293	8.04982E-05	0.111854538	2E-06	6.89963E-05	0.000753656	0.001701828	6.28662E-12
2071 Aug	0.000976991	0.148593411	1E-05	1.463918805	2.800057888	0.054004107	0.000261199	5.120599747	0.001337955	0.010558277	0.000445546	0.00016972	7.99366E-05	0.110938907	2E-06	6.87775E-05	0.000740959	0.001691258	6.13626E-12
2071 Sep	0.000970759	0.144329444	1E-05	1.441045403	2.726391077	0.051120441	0.000277958	5.054310322	0.001315971	0.010525555	0.000417758	0.000160172	7.77696E-05	0.10833364	2E-06	6.91556E-05	0.000701936	0.001654023	5.64036E-12
2071 Oct	0.000971291	0.142081097	1E-05	1.427111506	2.685721397	0.049279165	0.000291135	5.020179272	0.001301969	0.010565796	0.000400132	0.000154069	7.61052E-05	0.106812783	2E-06	6.99132E-05	0.000679646	0.001630208	5.33525E-12
2071 Nov	0.000971729	0.140356213	1E-05	1.416425228	2.654537678	0.04786488	0.000301285	4.994078159	0.001291216	0.010596977	0.000386592	0.000149372	7.48262E-05	0.105646484	2E-06	7.04981E-05	0.000662521	0.00161187	5.1062E-12
2071 Dec	0.00097176	0.140237242	1E-05	1.415688276	2.652387381	0.0477673	0.000301985	4.992279053	0.001290474	0.010599134	0.000385657	0.000149048	7.47379E-05	0.105566055	2E-06	7.05385E-05	0.00066134	0.001610604	5.09051E-12
2072 Jan	0.000971841	0.140250832	1E-05	1.415810108	2.65272665	0.047775079	0.000302026	4.992821693	0.001290543	0.010599549	0.000385651	0.000149036	7.47375E-05	0.105578952	2E-06	7.05434E-05	0.000661394	0.001610525	5.08907E-12
2072 Feb	0.000971949	0.140278608	1E-05	1.416033626	2.653356791	0.04779328	0.000302026	4.993700981	0.001290695	0.010599947	0.000385716	0.000149045	7.47438E-05	0.105602816	2E-06	7.05469E-05	0.00066156	0.001610516	5.08831E-12
2072 Mar	0.000972008	0.140293702	1E-05	1.416154981	2.653698921	0.04780316	0.000302026	4.994178772	0.001290777	0.010600163	0.000385751	0.000149049	7.47472E-05	0.105615765	2E-06	7.05488E-05	0.00066165	0.001610511	5.0879E-12
2072 Apr	0.000972041	0.140302077	1E-05	1.416222334	2.653888702	0.047808647	0.000302026	4.994443417	0.001290823	0.010600283	0.000385771	0.000149052	7.47491E-05	0.105622955	2E-06	7.05498E-05	0.0006617	0.001610508	5.08767E-12
2072 May	0.000972083	0.140315056	1E-05	1.416322351	2.654172897	0.047817428	0.000302015	4.994817734	0.001290895	0.010600425	0.000385841	0.000149062	7.47559E-05	0.105633661	2E-06	7.05507E-05	0.000661788	0.00161053	5.08685E-12
2072 Jun	0.000903276	0.129728854	1E-05	1.316096067	2.38028121	0.041792814	0.000264736	4.536092758	0.001237273	0.010304727	0.000333728	0.000164064	6.89004E-05	0.095091872	2E-06	6.67587E-05	0.000632108	0.001701244	3.91779E-12
2072 Jul	0.000883606	0.12574397	1E-05	1.276881814	2.274310589	0.039166659	0.00025333	4.376001358	0.001213232	0.010187373	0.000312262	0.0001647	6.65041E-05	0.091014683	2E-06	6.52664E-05	0.000607031	0.001708532	3.50451E-12
2072 Aug	0.000871775	0.12036854	1E-05	1.25402379	2.189213753	0.036089912	0.000269315	4.309604168	0.001189692	0.01002231	0.000282617	0.000151457	6.49337E-05	0.088235661	2E-06	6.46715E-05	0.000553622	0.001652793	3.09463E-12
2072 Sep	0.000867358	0.116470374	1E-05	1.238988519	2.132341385	0.033651687	0.000288185	4.275295258	0.001171895	0.009963566	0.000258343	0.000140365	6.34663E-05	0.086377829	2E-06	6.499E-05	0.000514141	0.001607075	2.77791E-12
2072 Oct	0.000876365	0.114133537	1E-05	1.226993322	2.097353697	0.031338744	0.000313657	4.268166542	0.00115518	0.010084143	0.000235591	0.000129627	6.12806E-05	0.085056186	2E-06	6.68002E-05	0.000483937	0.001562668	2.48727E-12
2072 Nov	0.000878043	0.113719627	1E-05	1.224883199	2.091212273	0.030924672	0.000318282	4.267141819	0.001152194	0.010106367	0.000231514	0.000127686	6.08879E-05	0.084823772	2E-06	6.71315E-05	0.000478526	0.00155463	2.43582E-12
2072 Dec	0.000878072	0.113712631	1E-05	1.224847674	2.091108799	0.030917639	0.000318361	4.267126083	0.001152143	0.010106749	0.000231445	0.000127653	6.08812E-05	0.084819853	2E-06	6.71371E-05	0.000478434	0.001554493	2.43496E-12
2073 Jan	0.000878142	0.113725707	1E-05	1.224958777	2.091422319	0.030925345	0.000318388	4.267604351	0.00115221	0.010107106	0.000231462	0.000127647	6.08828E-05	0.0848317	2E-06	6.7141E-05	0.000478496	0.001554444	2.43448E-12
2073 Feb	0.000878223	0.113746628	1E-05	1.22512579	2.091894388	0.030939009	0.000318387	4.268260002	0.001152324	0.010107415	0.000231518	0.000127654	6.08881E-05	0.084849536	2E-06	6.71437E-05	0.000478623	0.001554441	2.43423E-12
2073 Mar	0.000878267	0.113758035	1E-05	1.225216746	2.092151642	0.030946452	0.000318387	4.268617153	0.001152386	0.010107583	0.000231548	0.000127658	6.0891E-05	0.084859259	2E-06	6.71451E-05	0.000478691	0.001554439	2.4341E-12
2073 Apr	0.000878292	0.113764532	1E-05	1.225268602	2.092298269	0.030950697	0.000318387	4.268821239	0.001152421	0.010107679	0.000231565	0.000127661	6.08927E-05	0.084864803	2E-06	6.71459E-05	0.000478731	0.001554438	2.43402E-12
2073 May	0.000911686	0.124200031	1E-05	1.303819656	2.317688227	0.037957847	0.000308371	4.560646057	0.00120985	0.010232517	0.000295646	0.000136389	6.70284E-05	0.093316086	2E-06	6.78814E-05	0.000550946	0.001576801	2.17025E-12
2073 Jun	0.000960453	0.142773464	1E-05	1.436461926	2.703539133	0.050717246	0.000275835	5.026725292	0.001313064	0.010410855	0.000413321	0.000159523	7.79614E-05	0.107678227	2E-06	6.83019E-05	0.000693368	0.001652881	1.51278E-12
2073 Jul	0.000952293	0.141016811	1E-05	1.418698311	2.656046867	0.049511246	0.00027103	4.955642223	0.001301997	0.01036342	0.000403525	0.00015957	7.68392E-05	0.105840847	2E-06	6.76731E-05	0.000681603	0.001654883	1.44703E-12
2073 Aug	0.000949271	0.139661655	1E-05	1.407572746	2.624350071	0.048524715	0.00027118	4.91946125	0.001293228	0.010323649	0.000395386	0.000156722	7.60886E-05	0.104664281	2E-06	6.73034E-05	0.000666459	0.001641947	1.39907E-12
2073 Sep	0.00094706	0.13729775	1E-05	1.395325661	2.584738255	0.046869017	0.000282307	4.887071609	0.001280766	0.010318023	0.00037931	0.000150806	7.48193E-05	0.103264146	2E-06	6.76762E-05	0.000643924	0.001618591	1.32215E-12

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.00095044	0.134185866	1E-05	1.376334548	2.529978514	0.044170268	0.000304219	4.846618176	0.001260498	0.010404535	0.000353294	0.000141216	7.23072E-05	0.101197809	2E-06	6.90879E-05	0.000611417	0.001580762	1.2021E-12
2073 Nov	0.000951199	0.133479238	1E-05	1.372019887	2.517537832	0.043557841	0.000309185	4.837401867	0.001255899	0.010424132	0.00034739	0.000139044	7.1737E-05	0.100728363	2E-06	6.94078E-05	0.000604048	0.0015722	1.17559E-12
2073 Dec	0.000951211	0.133467719	1E-05	1.371949553	2.517335176	0.043547861	0.000309266	4.837251186	0.001255824	0.010424452	0.000347294	0.000139008	7.17278E-05	0.100720704	2E-06	6.9413E-05	0.000603928	0.001572061	1.17516E-12
2074 Jan	0.000951273	0.133478582	1E-05	1.37204361	2.517599821	0.043554127	0.000309293	4.837663651	0.001255879	0.010424778	0.000347297	0.000139001	7.17281E-05	0.100730725	2E-06	6.94167E-05	0.000603976	0.001572011	1.17493E-12
2074 Feb	0.00095135	0.133498624	1E-05	1.372203946	2.518052816	0.043567233	0.000309292	4.838293552	0.001255988	0.010425072	0.000347346	0.000139008	7.17327E-05	0.100747839	2E-06	6.94192E-05	0.000604097	0.001572007	1.17481E-12
2074 Mar	0.000951393	0.133509561	1E-05	1.372291207	2.51829958	0.043574374	0.000309292	4.838635921	0.001256047	0.010425233	0.000347373	0.000139012	7.17353E-05	0.100757167	2E-06	6.94206E-05	0.000604163	0.001572006	1.17474E-12
2074 Apr	0.000951417	0.133515775	1E-05	1.372340918	2.518440247	0.043578442	0.000309292	4.838831425	0.001256081	0.010425324	0.000347388	0.000139015	7.17368E-05	0.100762479	2E-06	6.94214E-05	0.000604201	0.001572004	1.1747E-12
2074 May	0.000990045	0.146028459	1E-05	1.466244102	2.78785634	0.052047804	0.000295655	5.184238434	0.001325407	0.010566171	0.000424866	0.000150342	7.91551E-05	0.110864788	2E-06	7.01834E-05	0.000692521	0.001602948	9.99826E-13
2074 Jun	0.001038917	0.165119946	1E-05	1.603358746	3.185548306	0.065268375	0.000261244	5.663267136	0.001432422	0.010736681	0.000546653	0.000174652	9.05411E-05	0.125690311	2E-06	7.0503E-05	0.000840249	0.00168372	6.42005E-13
2074 Jul	0.001026966	0.162625641	1E-05	1.580383062	3.122725248	0.063651286	0.000256435	5.568773746	0.001418165	0.010679879	0.000532807	0.000175172	8.90401E-05	0.123280317	2E-06	6.98169E-05	0.000826345	0.001689922	6.14843E-13
2074 Aug	0.001024755	0.16180706	1E-05	1.574726105	3.105717421	0.063112371	0.000257265	5.549435139	0.001413652	0.010659532	0.000528022	0.000173793	8.86424E-05	0.12266285	2E-06	6.96754E-05	0.000818803	0.001684324	6.06703E-13
2074 Sep	0.001019199	0.157565966	1E-05	1.548954725	3.027570009	0.060061537	0.000273878	5.472734451	0.001390097	0.01065815	0.000498953	0.000164996	8.61042E-05	0.119808465	2E-06	7.025E-05	0.000781218	0.001651152	5.62367E-13
2074 Oct	0.001017685	0.154071316	1E-05	1.5259372	2.961240292	0.057277013	0.000290967	5.409069061	0.001368623	0.010705362	0.000472517	0.000156981	8.35636E-05	0.117313825	2E-06	7.11822E-05	0.000749031	0.001620935	5.23314E-13
2074 Nov	0.001017487	0.153617844	1E-05	1.522950172	2.952632189	0.05691576	0.000293183	5.400804043	0.001365836	0.010711474	0.000469087	0.000155942	8.3234E-05	0.116990089	2E-06	7.1303E-05	0.000744855	0.001617017	5.18367E-13
2074 Dec	0.001017479	0.153600931	1E-05	1.522838831	2.952311516	0.056902293	0.000293266	5.400495529	0.001365733	0.010711703	0.000468959	0.000155903	8.32217E-05	0.116978019	2E-06	7.13075E-05	0.000744699	0.001616871	5.18184E-13
2075 Jan	0.001017529	0.153608426	1E-05	1.522907138	2.952502012	0.056906365	0.000293294	5.400808811	0.001365769	0.010711974	0.000468944	0.000155894	8.32202E-05	0.116985254	2E-06	7.13108E-05	0.000744725	0.001616817	5.18084E-13
2075 Feb	0.001017598	0.153626204	1E-05	1.523049951	2.95290494	0.056917969	0.000293295	5.401371479	0.001365866	0.010712234	0.000468982	0.0001559	8.32239E-05	0.117000498	2E-06	7.1313E-05	0.000744831	0.001616811	5.18032E-13
2075 Mar	0.001017636	0.153635919	1E-05	1.523128033	2.953125238	0.056924317	0.000293295	5.401679039	0.001365919	0.010712378	0.000469003	0.000155903	8.32258E-05	0.117008835	2E-06	7.13143E-05	0.000744889	0.001616807	5.18004E-13
2075 Apr	0.001017658	0.153641447	1E-05	1.523172498	2.953250647	0.056927934	0.000293295	5.401854515	0.001365949	0.010712459	0.000469014	0.000155905	8.3227E-05	0.117013581	2E-06	7.1315E-05	0.000744922	0.001616805	5.17988E-13
2075 May	0.001023962	0.15571855	1E-05	1.53876555	2.997940779	0.05834078	0.000290888	5.458981037	0.001377502	0.010734474	0.000481942	0.000157827	8.44682E-05	0.118690498	2E-06	7.14263E-05	0.000759646	0.001622119	5.00427E-13
2075 Jun	0.000920811	0.138072073	1E-05	1.376882792	2.553772449	0.047858808	0.000244231	4.741364956	0.001285862	0.010314969	0.000390106	0.000175622	7.43819E-05	0.101627968	2E-06	6.62243E-05	0.000697227	0.001739511	3.54673E-13
2075 Jul	0.000883744	0.131236523	1E-05	1.313641906	2.380699396	0.043637969	0.000227516	4.46975708	0.001248663	0.010150119	0.000353679	0.000180194	7.03933E-05	0.094981916	2E-06	6.41908E-05	0.000666711	0.0017726	3.02396E-13
2075 Aug	0.000881005	0.12971957	1E-05	1.303439736	2.349610567	0.042588692	0.000229868	4.439040184	0.001239754	0.010107432	0.000344586	0.000176386	6.9674E-05	0.09386728	2E-06	6.3903E-05	0.000649497	0.001755573	2.91682E-13
2075 Sep	0.000880787	0.12867707	1E-05	1.298588991	2.333306074	0.041839801	0.000235846	4.428695202	0.001234209	0.010107986	0.000337248	0.000173232	6.91167E-05	0.093301766	2E-06	6.41316E-05	0.000638578	0.001742677	2.84177E-13
2075 Oct	0.000883739	0.127229169	1E-05	1.290789008	2.310006142	0.04055164	0.000248003	4.417179585	0.001224706	0.01015354	0.000324704	0.000167768	6.79559E-05	0.09243793	2E-06	6.49043E-05	0.000621656	0.001720303	2.71413E-13
2075 Nov	0.000884343	0.126942873	1E-05	1.289256215	2.305422544	0.04029613	0.000250436	4.414985657	0.001222824	0.010162707	0.000322214	0.000166675	6.77257E-05	0.092268057	2E-06	6.50594E-05	0.000618291	0.001715825	2.68901E-13
2075 Dec	0.000884389	0.126920894	1E-05	1.289138675	2.305070877	0.040276498	0.000250623	4.414818287	0.001222679	0.010163414	0.000322023	0.000166591	6.7708E-05	0.092255034	2E-06	6.50714E-05	0.000618032	0.00171548	2.68708E-13
2076 Jan	0.000884476	0.126935035	1E-05	1.289266586	2.305426598	0.040284537	0.000250668	4.415391445	0.00122275	0.010163856	0.000322027	0.000166578	6.77087E-05	0.092268564	2E-06	6.50766E-05	0.000618087	0.001715392	2.6864E-13
2076 Feb	0.00088458	0.126960903	1E-05	1.289476156	2.306016684	0.040301364	0.000250672	4.416222572	0.001222891	0.010164249	0.000322089	0.000166584	6.77148E-05	0.092290916	2E-06	6.50802E-05	0.000618238	0.001715375	2.68604E-13
2076 Mar	0.000884636	0.126974955	1E-05	1.289590001	2.306337118	0.04031051	0.000250675	4.416674614	0.001222967	0.010164462	0.000322123	0.000166588	6.77181E-05	0.09230306	2E-06	6.50821E-05	0.00061832	0.001715365	2.68585E-13
2076 Apr	0.000884667	0.126982763	1E-05	1.289653301	2.306515455	0.040315587	0.000250676	4.41692543	0.00122301	0.01016458	0.000322142	0.00016659	6.772E-05	0.092309803	2E-06	6.50832E-05	0.000618366	0.00171536	2.68574E-13
2076 May	0.00090541	0.13294445	1E-05	1.336151838	2.438564062	0.044296175	0.000247483	4.593914986	0.001255914	0.010240262	0.000358318	0.000170274	7.127E-05	0.097288623	2E-06	6.56385E-05	0.000657348	0.001721924	2.49424E-13
2076 Jun	0.000953409	0.149806693	1E-05	1.461711049	2.798912048	0.055895936	0.000224334	5.045807362	0.001350584	0.010405187	0.000463584	0.000188039	8.1434E-05	0.110797778	2E-06	6.6319E-05	0.000781333	0.001775598	1.62739E-13
2076 Jul	0.000939703	0.146886647	1E-05	1.435189247	2.726118326	0.054002773	0.000219212	4.937289238	0.001333963	0.010339507	0.000448315	0.000188419	7.96909E-05	0.108010918	2E-06	6.5544E-05	0.000764711	0.0017818	1.53133E-13
2076 Aug	0.000936683	0.145428896	1E-05	1.426200867	2.697926521	0.053041026	0.000222068	4.909358025	0.001326059	0.01030286	0.000439661	0.000185143	7.90358E-05	0.10701108	2E-06	6.53455E-05	0.000749767	0.001767822	1.48887E-13
2076 Sep	0.000936027	0.144111127	1E-05	1.419362187	2.675984144	0.052084059	0.000228921	4.892603874	0.001318865	0.010304762	0.000430383	0.000181549	7.82871E-05	0.106232136	2E-06	6.56116E-05	0.000736619	0.001753416	1.44761E-13
2076 Oct	0.000938942	0.141159728	1E-05	1.402199149	2.625257015	0.049586833	0.000249342	4.857256889	0.001300129	0.010372618	0.000406291	0.000172172	7.60442E-05	0.104345426	2E-06	6.68366E-05	0.000705031	0.001715828	1.34288E-13
2076 Nov	0.000939608	0.140490979	1E-05	1.398312569	2.613769054	0.049020793	0.000253977	4.84926796	0.001295883	0.010388041	0.00040083	0.000170045	7.55357E-05	0.10391815	2E-06	6.71148E-05	0.00069787	0.001707299	1.31953E-13
2076 Dec	0.000939621	0.140477657	1E-05	1.398235083	2.613539934	0.049009502	0.00025407	4.849108696	0.001295798	0.010388349	0.000400721	0.000170002	7.55256E-05	0.103909634	2E-06	6.71204E-05	0.000697727	0.001707129	1.31907E-13
2077 Jan	0.000939681	0.140486896	1E-05	1.398320675	2.613777161	0.049014624	0.000254104	4.849499226	0.001295844	0.010388664	0.000400715	0.000169991	7.55252E-05	0.103918672	2E-06	6.71242E-05	0.000697759	0.001707061	1.31881E-13
2077 Feb	0.000939756	0.140505508	1E-05	1.398471594	2.614202261	0.049026724	0.000254108	4.850099564	0.001295945	0.010388948	0.000400757	0.000169995	7.55294E-05	0.10393478	2E-06	6.71268E-05	0.000697867	0.001707047	1.31868E-13
2077 Mar	0.000939797	0.14051567	1E-05	1.398554087	2.614434242	0.049033329	0.00025411	4.850426674	0.001296001	0.010389103	0.000400781	0.000169998	7.55316E-05	0.103943564	2E-06	6.71282E-05	0.000697927	0.00170704	1.31861E-13
2077 Apr	0.00093982	0.140521452	1E-05	1.398601055	2.614566565	0.049037095	0.000254111	4.850613594	0.001296032	0.010389191	0.000400794	0.000169999	7.55329E-05	0.103948586	2E-06	6.7129E-05	0.00069796	0.001707036	1.31857E-13
2077 May	0.000956057	0.145232394	1E-05	1.435333967	2.718855143	0.0521909	0.000251416	4.990061283	0.001322093	0.010447871	0.000429459	0.000172998	7.83473E-05	0.107881248	2E-06	6.7554E-05	0.000728942	0.001712639	1.23593E-13
2077 Jun	0.000984297	0.156711012	1E-05	1.518664479	2.959261894	0.060244668	0.000229895	5.278784275	0.001387364	0.010537161	0.000503539	0.000188036	8.53523E-05	0.116868712	2E-06	6.76354E-05	0.000818868	0.001763218	8.42588E-14
2077 Jul	0.000968965	0.153648019	1E-05	1.491445541	2.884115934	0.058326501	0.000224501	5.164255142	0.001370735	0.01047108	0.000486745	0.000189236	8.35666E-05	0.113995403	2E-06	6.68688E-05	0.000803924	0.001774179	7.96556E-14
2077 Aug	0.000965555	0.15218696	1E-05	1.482948065	2.856865406	0.057400309	0.000227556	5.136947632	0.00136328	0.010435501	0.000478212	0.000186254	8.29443E-05	0.113037318	2E-06	6.67007E-05	0.000790046	0.001761929	7.77326E-14
2077 Sep	0.00095866	0.145640627	1E-05	1.447505474	2.74405241	0.05279902	0.000256416	5.039919376	0.001328282	0.010414219	0.000433892	0.000170417	7.93778E-05	0.109021083	2E-06	6.75975E-05	0.000727978	0.001699483	6.85714E-14
2077 Oct	0.000959815	0.14323993	1E-05	1.432757497	2.70100975	0.050805032	0.000271193	5.005373478	0.001313147	0.01046123	0.000414794	0.000163553	7.75738E-05	0.107411273	2E-06	6.84607E-05	0.000703506	0.001672408	6.475E-14
2077 Nov	0.000959858	0.143154055	1E-05	1.432229877	2.69947052	0.050733633	0.000271723	5.0041399	0.001312605	0.010462925	0.000414111	0.000163307	7.75091E-05	0.107353702	2E-06	6.84917E-05	0.00070263	0.001671437	6.46158E-14
2077 Dec	0.000959864	0.143141493	1E-05	1.432152867	2.699245453	0.050723188	0.0002718	5.003959656	0.001312526	0.010463174	0.000414011	0.000163271	7.74997E-05	0.107345276	2E-06	6.84962E-05	0.000702501	0.001671295	6.45962E-14
2078 Jan	0.000959913	0.143148988	1E-05	1.432221532	2.699436665	0.050727285	0.000271829	5.004275322	0.001312563	0.010463435	0.000414003	0.000163262	7.7499E-05	0.107352547	2E-06	6.84994E-05	0.000702527	0.00167124	6.45854E-14
2078 Feb	0.000959977	0.143164888	1E-05	1.432350039	2.699798584	0.050737623	0.000271831	5.004784584	0.001312649	0.010463675	0.000414038	0.000163266	7.75025E-05	0.107366256	2E-06	6.85015E-05	0.00070262	0.001671229	6.45798E-14
2078 Mar	0.000960011	0.143173546	1E-05	1.432420015	2.699995995	0.050743256	0.000271832	5.00506258	0.001312696	0.010463807	0.000414057	0.000163268	7.75043E-05	0.107373729	2E-06	6.85027E-05	0.000702671	0.001671224	6.45768E-14
2078 Apr	0.000960031	0.143178493	1E-05	1.43245995	2.700108528	0.050746467	0.000271833	5.00522089	0.001312723	0.010463881	0.000414068	0.000163269	7.75054E-05	0.107377984	2E-06	6.85034E-05	0.000702699	0.001671221	6.45751E-14
2078 May	0.001004248	0.156454578	1E-05	1.534266353	2.990504503	0.059649047	0.000261628	5.388063431	0.001385951	0.01062314	0.000495292	0.000172875	8.5394E-05	0.118302584	2E-06	6.9545E-05	0.000791794	0.00169237	5.30013E-14
2078 Jun	0.001042952	0.169670701	1E-05	1.63233602	3.272440195	0.068669289	0.000244193	5.743832588	0.001459479	0.010756891	0.000578074	0.000186107	9.32888E-05	0.128864929	2E-06	7.01214E-05	0.000887167	0.001730873	3.79274E-14
2078 Jul	0.001035757	0.167793751	1E-05	1.615107656	3.225356579	0.067365512	0.000241845	5.677960396	0.00144792	0.010715108	0.000567101	0.000185101	9.21201E-05	0.127063677	2E-06	6.96365E-05	0.00087319	0.001728276	3.67599E-14
2078 Aug	0.001027836	0.16462718	1E-05	1.590105534	3.153703928	0.065122999	0.000243385	5.59354496	0.001428518	0.010640211	0.000547934	0.000179621	9.03464E-05	0.124400944	2E-06	6.89968E-05	0.000842025	0.00170509	3.48976E-14
2078 Sep	0.001021706	0.161904067	1E-05	1.575149417	3.105308771	0.063395604	0.000251221	5.545100212	0.001415168	0.010597838	0.000531385	0.000174575	8.91044E-05	0.122696333	2E-06	6.89756E-05	0.000818829	0.001685991	3.35108E-14
2078 Oct	0.001020801	0.159838855	1E-05	1.561653137	3.066283941	0.061755795	0.000261333	5.50788784	0.001402531	0.010624694	0.000515806	0.000169805	8.76158E-05	0.121231407	2E-06	6.95202E-05	0.000799744	0.001667955	3.22303E-14
2078 Nov	0.001020566	0.159303725	1E-05	1.558155775	3.056171417	0.061330903	0.000263953	5.498242855	0.001399257	0.010631657	0.000511769	0.00016857	8.72301E-05	0.120851785	2E-06	6.96614E-05	0.0007948	0.001663285	3.19006E-14
2078 Dec	0.001020558	0.15928711	1E-05	1.558047175	3.055857182	0.061317705	0.000264035	5.497942924	0.001399155	0.010631874	0.000511644	0.000168531	8.72181E-05	0.120839991	2E-06	6.96657E-05	0.000794647	0.00166314	3.18905E-14
2079 Jan	0.001020602	0.159293041	1E-05	1.558103681	3.056014538	0.061320752	0.000264064	5.498212337	0.001399183	0.010632124	0.000511624	0.000168521	8.72162E-05	0.120845973	2E-06	6.96688E-05	0.000794663	0.001663084	3.18849E-14
2079 Feb	0.001020665	0.159308702	1E-05	1.558230519	3.056371689	0.061330944	0.000264067	5.498714924	0.001399269	0.010632364	0.000511656	0.000168525	8.72192E-05	0.120859496	2E-06	6.9671E-05	0.000794755	0.001663074	3.1882E-14
2079 Mar	0.001020699	0.15931727	1E-05	1.558299661	3.056566477	0.061336514	0.000264068	5.498989105	0.001399315	0.010632495	0.000511673	0.000168528	8.72209E-05	0.12086688	2E-06	6.96722E-05	0.000794805	0.001663069	3.18805E-14
2079 Apr	0.001020719	0.159322128	1E-05	1.558339	3.056677341	0.061339669	0.000264069	5.499145031	0.001399342	0.010632569	0.000511682	0.000168529	8.72218E-05	0.120871074	2E-06	6.96729E-05	0.000794834	0.001663066	3.18796E-14
2079 May	0.001022545	0.159887061	1E-05	1.56264627	3.068986893	0.061720166	0.000263584	5.515188217	0.001402471	0.010639403	0.000515145	0.000168985	8.75562E-05	0.121333525	2E-06	6.97161E-05	0.000798734	0.001664208	3.15677E-14
2079 Jun	0.000953653	0.150025651	1E-05	1.465427399	2.80644536	0.056187805	0.00022312	5.060287476	0.001352813	0.010368118	0.00046748	0.000187176	8.19328E-05	0.111153662	2E-06	6.60062E-05	0.000779892	0.00176984	2.03084E-14
2079 Jul	0.000922194	0.143482655	1E-05	1.406685948	2.644903421	0.051999897	0.000212185	4.816957474	0.00131637	0.010230227	0.000431056	0.000188863	7.80339E-05	0.104967959	2E-06	6.43896E-05	0.000745506	0.001788609	1.78994E-14
2079 Aug	0.000919075	0.141832024	1E-05	1.393675566	2.607592821	0.050783232	0.000213606	4.775940418	0.001305771	0.010190181	0.000420797	0.000185173	7.70954E-05	0.103585668	2E-06	6.4057E-05	0.0007271	0.001772134	1.72957E-14
2079 Sep	0.000918661	0.138087437	1E-05	1.373396516	2.544387102	0.047933269	0.000234818	4.727973461	0.001284367	0.010220795	0.000393187	0.00017467	7.47417E-05	0.101304658	2E-06	6.50544E-05	0.000689434	0.001730294	1.59244E-14
2079 Oct	0.000921201	0.135591567	1E-05	1.358899236	2.501600027	0.045815725	0.000252296	4.698208332	0.001268515	0.010280794	0.000372716	0.000166762	7.28295E-05	0.099711142	2E-06	6.61193E-05	0.00066288	0.001698712	1.49285E-14
2079 Nov	0.00092265	0.134264261	1E-05	1.351236463	2.478961706	0.044685833	0.000261735	4.682776928	0.001260069	0.010313509	0.000361783	0.000162501	7.1809E-05	0.098868296	2E-06	6.66971E-05	0.000648573	0.001681669	1.4405E-14
2079 Dec	0.0009238	0.133234978	1E-05	1.345306754	2.461437464	0.043808598	0.000269092	4.670917034	0.001253514	0.010339097	0.000353292	0.00015982	7.10167E-05	0.09821593	2E-06	6.71483E-05	0.000637632	0.001668385	1.40007E-14
2080 Jan	0.000923926	0.133254766	1E-05	1.345488548	2.461941957	0.043819647	0.000269163	4.671741009	0.001253614	0.010339763	0.000353284	0.00015916	7.10163E-05	0.098235138	2E-06	6.71563E-05	0.000637704	0.001668249	1.3995E-14
2080 Feb	0.000924083	0.133293986	1E-05	1.345806241	2.462836742	0.043845195	0.000269169	4.672999859	0.001253827	0.010340357	0.000353376	0.00015917	7.10253E-05	0.09826903	2E-06	6.71617E-05	0.000637935	0.001668225	1.39921E-14
2080 Mar	0.000924168	0.133315325	1E-05	1.345979214	2.463323355	0.043859098	0.000269173	4.673685074	0.001253944	0.01034068	0.000353425	0.000159175	7.10301E-05	0.098287463	2E-06	6.71647E-05	0.00063806	0.001668212	1.39905E-14
2080 Apr	0.000924215	0.133327186	1E-05	1.346075177	2.46359396	0.043866824	0.000269175	4.674066067	0.001254008	0.010340859	0.000353453	0.000159179	7.10328E-05	0.098297715	2E-06	6.71663E-05	0.00063813	0.001668205	1.39897E-14
2080 May	0.000924638	0.133451194	1E-05	1.347040176	2.466335297	0.043949984	0.000269099	4.677716255	0.001254695	0.010342407	0.000354195	0.000159261	7.11055E-05	0.09840104	2E-06	6.71774E-05	0.000638954	0.001668373	1.39663E-14
2080 Jun	0.000861427	0.12334583	1E-05	1.252892017	2.208603621	0.038111757	0.000237656	4.250861645	0.00120332	0.010085138	0.000303189	0.000172301	6.54227E-05	0.088484831	2E-06	6.39128E-05	0.000609094	0.001749533	1.06894E-14
2080 Jul	0.000833921	0.118055701	1E-05	1.202189326	2.07090497	0.034732424	0.000223406	4.038466454	0.001172912	0.009943584	0.000274862	0.000174595	6.22786E-05	0.083188474	2E-06	6.21267E-05	0.000580796	0.001767662	9.06714E-15
2080 Aug	0.000832524	0.116435625	1E-05	1.190921664	2.036832333	0.033529032	0.000226263	4.009018421	0.001162408	0.009891271	0.000264852	0.000169134	6.14931E-05	0.081970252	2E-06	6.17482E-05	0.000558384	0.001741844	8.58592E-15

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.000832157	0.113935061	1E-05	1.183557153	2.005144358	0.031920899	0.000242341	4.00146246	0.001151109	0.009865721	0.000248474	0.000160279	6.05793E-05	0.080991171	2E-06	6.22066E-05	0.000530309	0.001704459	7.95877E-15
2080 Oct	0.0008392	0.112664931	1E-05	1.178842902	1.989995599	0.030616837	0.000259589	4.009449959	0.001142041	0.009943186	0.000235345	0.000152983	5.93961E-05	0.080442123	2E-06	6.3418E-05	0.000511591	0.001673594	7.45908E-15
2080 Nov	0.000844476	0.11175783	1E-05	1.175581813	1.979449511	0.029675376	0.000272267	4.016104221	0.001135518	0.01000068	0.000225848	0.000147639	5.85406E-05	0.080060504	2E-06	6.43131E-05	0.000498019	0.001650954	7.1016E-15
2080 Dec	0.000844893	0.111687139	1E-05	1.175330043	1.978633642	0.029601775	0.000273263	4.016644001	0.001135009	0.01000521	0.000225105	0.000147219	5.84737E-05	0.080031	2E-06	6.43835E-05	0.000496956	0.001649176	7.07373E-15
2081 Jan	0.000845003	0.111706898	1E-05	1.175504446	1.979120016	0.029613426	0.000273312	4.017402649	0.001135111	0.010005761	0.000225132	0.000147207	5.84766E-05	0.080049478	2E-06	6.43898E-05	0.000497044	0.001649085	7.0717E-15
2081 Feb	0.000845125	0.111737721	1E-05	1.175753832	1.979822278	0.029633533	0.000273316	4.018388271	0.001135279	0.010006227	0.000225214	0.000147215	5.84847E-05	0.080076076	2E-06	6.4394E-05	0.000497227	0.001649069	7.07065E-15
2081 Mar	0.000845192	0.111754581	1E-05	1.175890207	1.980206728	0.029644538	0.000273318	4.018928051	0.001135371	0.01000648	0.000225259	0.00014722	5.8489E-05	0.080090627	2E-06	6.43963E-05	0.000497327	0.001649061	7.07008E-15
2081 Apr	0.000845328	0.111788668	1E-05	1.176166058	1.980983615	0.02966678	0.000273323	4.020018101	0.001135557	0.010006995	0.000225349	0.00014723	5.84979E-05	0.080120042	2E-06	6.4401E-05	0.000497529	0.001649044	7.06892E-15
2081 May	0.000892091	0.125412807	1E-05	1.282443404	2.282781839	0.038794957	0.000265653	4.422702789	0.001211074	0.010180547	0.000307787	0.000156174	6.658E-05	0.091497011	2E-06	6.56703E-05	0.00058799	0.001666813	6.08973E-15
2081 Jun	0.000938794	0.140375987	1E-05	1.396667719	2.608733654	0.048971947	0.000251205	4.844017506	0.001294775	0.010350783	0.000400566	0.000169227	7.55654E-05	0.10375122	2E-06	6.66917E-05	0.000693493	0.001701848	4.73486E-15
2081 Jul	0.000935134	0.139676839	1E-05	1.390009642	2.59063673	0.048527587	0.000249374	4.815989971	0.001290797	0.010332749	0.000396821	0.000169569	7.51499E-05	0.103055015	2E-06	6.64644E-05	0.0006899	0.00170448	4.65028E-15
2081 Aug	0.000933906	0.139093265	1E-05	1.386710167	2.579866648	0.048157271	0.000250615	4.805939198	0.001287786	0.010316107	0.000393459	0.000168187	7.49189E-05	0.102681041	2E-06	6.63774E-05	0.000683834	0.001698535	4.58926E-15
2081 Sep	0.000931674	0.137244269	1E-05	1.378596187	2.551188231	0.046962205	0.000259113	4.785395145	0.001278935	0.010294677	0.000381702	0.000163312	7.41278E-05	0.101712644	2E-06	6.65507E-05	0.000665776	0.001678806	4.39703E-15
2081 Oct	0.000933277	0.136327893	1E-05	1.373531818	2.536172152	0.046155542	0.000266507	4.776935101	0.001272976	0.010322905	0.000373855	0.000160054	7.33951E-05	0.101153538	2E-06	6.7025E-05	0.000655487	0.001665637	4.27159E-15
2081 Nov	0.000935107	0.135264993	1E-05	1.367641687	2.518717766	0.045220912	0.00027504	4.766996384	0.001266068	0.010355436	0.000364767	0.000156292	7.2546E-05	0.100503504	2E-06	6.75719E-05	0.00064358	0.001650442	4.12861E-15
2081 Dec	0.000935405	0.135089919	1E-05	1.366669416	2.515837669	0.045067087	0.00027644	4.765342712	0.00126493	0.010360768	0.000363272	0.000155675	7.24062E-05	0.100396223	2E-06	6.76616E-05	0.000641622	0.00164795	4.10539E-15
2082 Jan	0.000935516	0.13510862	1E-05	1.366836667	2.516304493	0.045077816	0.000276494	4.766085148	0.001265025	0.010361344	0.000363278	0.000155659	7.2407E-05	0.100413948	2E-06	6.76683E-05	0.000641699	0.001647845	4.104E-15
2082 Feb	0.000935651	0.135142699	1E-05	1.367112041	2.51707983	0.045100059	0.000276498	4.767172337	0.001265211	0.010361855	0.000363361	0.000155669	7.24151E-05	0.100443311	2E-06	6.76729E-05	0.000641901	0.00164783	4.10328E-15
2082 Mar	0.000935724	0.135161266	1E-05	1.367261767	2.517502069	0.045112159	0.0002765	4.767764568	0.001265312	0.010362133	0.000363406	0.000155675	7.24195E-05	0.100459293	2E-06	6.76754E-05	0.000642011	0.001647821	4.10289E-15
2082 Apr	0.000935766	0.135171846	1E-05	1.36734736	2.517743349	0.045119081	0.000276501	4.768102646	0.00126537	0.010362292	0.000363432	0.000155678	7.2422E-05	0.100468434	2E-06	6.76768E-05	0.000642074	0.001647816	4.10266E-15
2082 May	0.000935833	0.135191038	1E-05	1.36749661	2.518167257	0.045131899	0.000276491	4.768668652	0.001265476	0.010362536	0.000363536	0.00015569	7.24322E-05	0.100484408	2E-06	6.76786E-05	0.000642201	0.00164784	4.10176E-15
2082 Jun	0.000848049	0.121674545	1E-05	1.239117742	2.168327093	0.037396967	0.000229893	4.180440903	0.001196929	0.010007344	0.000296457	0.000175525	6.48191E-05	0.086990356	2E-06	6.30535E-05	0.000606628	0.001767866	2.81695E-15
2082 Jul	0.000805207	0.114492029	1E-05	1.170218468	1.981152177	0.03307534	0.000206985	3.876281977	0.001158282	0.009816357	0.000259667	0.000183034	6.06628E-05	0.079773545	2E-06	6.05815E-05	0.000579488	0.001815508	2.18778E-15
2082 Aug	0.000804537	0.113480225	1E-05	1.165763021	1.964853406	0.03241469	0.000210843	3.867678881	0.001153009	0.009784344	0.000253645	0.000179291	6.03312E-05	0.079242669	2E-06	6.0469E-05	0.000566109	0.001798395	2.11664E-15
2082 Sep	0.000806373	0.11250972	1E-05	1.163349748	1.953953147	0.031693231	0.000219656	3.870970964	0.001148033	0.009791397	0.000246284	0.00017479	5.987E-05	0.078911006	2E-06	6.08649E-05	0.000553344	0.001779009	2.04053E-15
2082 Oct	0.000818697	0.1108668	1E-05	1.158623695	1.937660456	0.029881669	0.000246206	3.894153595	0.001135635	0.009911736	0.000227966	0.000163342	5.82506E-05	0.078336326	2E-06	6.2737E-05	0.000525471	0.001729624	1.85336E-15
2082 Nov	0.000819606	0.110749669	1E-05	1.158300519	1.936533332	0.029751288	0.000248143	3.895929575	0.001134745	0.009920561	0.000226645	0.000162508	5.8134E-05	0.078296728	2E-06	6.28739E-05	0.000523455	0.001726022	1.84006E-15
2082 Dec	0.00081965	0.110744126	1E-05	1.158285379	1.936480403	0.029745094	0.000248235	3.896014929	0.001134703	0.009920981	0.000226583	0.000162468	5.81285E-05	0.078294866	2E-06	6.28805E-05	0.000523359	0.001725851	1.83943E-15
2083 Jan	0.000819725	0.110757306	1E-05	1.158402562	1.93680644	0.029752789	0.00024827	3.896529436	0.00113477	0.009921354	0.000226601	0.000162458	5.81306E-05	0.078307271	2E-06	6.28848E-05	0.000523414	0.001725782	1.83908E-15
2083 Feb	0.000819807	0.110777646	1E-05	1.158567667	1.937271118	0.029766016	0.000248274	3.897185087	0.001134881	0.009921665	0.000226655	0.000162463	5.81359E-05	0.078324869	2E-06	6.28876E-05	0.000523533	0.001725767	1.83891E-15
2083 Mar	0.000819852	0.110788755	1E-05	1.15865767	1.937524796	0.029773235	0.000248276	3.897542953	0.001134941	0.009921835	0.000226685	0.000162466	5.81388E-05	0.078334481	2E-06	6.28892E-05	0.000523598	0.001725759	1.83881E-15
2083 Apr	0.000819878	0.110795088	1E-05	1.158709049	1.937669516	0.029777352	0.000248277	3.897747278	0.001134976	0.009921932	0.000226702	0.000162467	5.81404E-05	0.078339957	2E-06	6.28901E-05	0.000523635	0.001725755	1.83875E-15
2083 May	0.000857735	0.121350519	1E-05	1.241714239	2.172963381	0.036790252	0.000244184	4.216413021	0.001193091	0.010061659	0.000290365	0.000168224	6.44171E-05	0.087220021	2E-06	6.39751E-05	0.000591277	0.001733751	1.64497E-15
2083 Jun	0.000932215	0.144265816	1E-05	1.417611241	2.67427969	0.052261364	0.000225092	4.87305212	0.001320416	0.010329355	0.000431446	0.000186023	7.81346E-05	0.106084339	2E-06	6.56862E-05	0.000748021	0.001776437	1.08084E-15
2083 Jul	0.000920426	0.141471103	1E-05	1.391381264	2.602872133	0.050356071	0.000220149	4.770187855	0.001303374	0.010261456	0.000415538	0.00018524	7.64135E-05	0.103346542	2E-06	6.48678E-05	0.000728514	0.001775957	1.00872E-15
2083 Aug	0.000915836	0.138196498	1E-05	1.363040447	2.523745775	0.047774773	0.000221581	4.684808731	0.001280147	0.010172023	0.00039472	0.000176531	7.44133E-05	0.100384921	2E-06	6.40076E-05	0.000686658	0.001734948	9.24348E-16
2083 Sep	0.000918035	0.135591909	1E-05	1.350205064	2.48291707	0.045697637	0.000240118	4.661792755	0.0012649	0.010215072	0.000374324	0.000167847	7.26856E-05	0.098922208	2E-06	6.50113E-05	0.000658421	0.001699724	8.61206E-16
2083 Oct	0.000924885	0.131871268	1E-05	1.330538273	2.42369318	0.042440351	0.00027105	4.631587029	0.001241022	0.010330227	0.000342419	0.0001543	6.97545E-05	0.096732944	2E-06	6.69862E-05	0.000616344	0.001644854	7.66333E-16
2083 Nov	0.000926965	0.130728588	1E-05	1.324496388	2.405499458	0.041441035	0.000280533	4.622238636	0.001233699	0.010365582	0.000332627	0.000150157	6.88546E-05	0.096060321	2E-06	6.75923E-05	0.000603467	0.001628096	7.382E-16
2083 Dec	0.000926992	0.130713686	1E-05	1.324417591	2.405262232	0.041428011	0.000280656	4.622116566	0.001233604	0.010366043	0.000332499	0.000150103	6.88429E-05	0.096051551	2E-06	6.76002E-05	0.000603299	0.001627878	7.37838E-16
2084 Jan	0.000927071	0.130727053	1E-05	1.324538469	2.405598402	0.041435782	0.000280696	4.622650623	0.001233673	0.010366447	0.000332505	0.000150092	6.88437E-05	0.096064344	2E-06	6.7605E-05	0.000603355	0.001627804	7.37663E-16
2084 Feb	0.000927167	0.130751476	1E-05	1.324736357	2.406155109	0.041451741	0.000280699	4.623432159	0.001233806	0.01036681	0.000332565	0.000150099	6.88496E-05	0.096085444	2E-06	6.76083E-05	0.0006035	0.001627792	7.3757E-16
2084 Mar	0.00092722	0.130764663	1E-05	1.324843407	2.406455994	0.041460369	0.0002807	4.623854637	0.001233878	0.010367007	0.000332597	0.000150103	6.88528E-05	0.096096843	2E-06	6.76101E-05	0.000603578	0.001627786	7.37521E-16
2084 Apr	0.000927249	0.130772009	1E-05	1.324903011	2.40662384	0.041465174	0.000280701	4.624090195	0.001233918	0.010367117	0.000332615	0.000150105	6.88545E-05	0.096103199	2E-06	6.76111E-05	0.000603622	0.001627783	7.37493E-16
2084 May	0.000967683	0.1430621	1E-05	1.420664787	2.678273439	0.049793486	0.000271898	4.982679367	0.001302739	0.010511876	0.000408215	0.000159195	7.6281E-05	0.106348924	2E-06	6.86096E-05	0.000687358	0.001648731	6.30031E-16
2084 Jun	0.001008717	0.158095926	1E-05	1.533873916	3.001637936	0.060282055	0.000250478	5.385710716	0.001388595	0.010648842	0.00050392	0.000176013	8.55183E-05	0.118498042	2E-06	6.91489E-05	0.000800757	0.001701734	4.45427E-16
2084 Jul	0.000997625	0.155676499	1E-05	1.511755586	2.940961599	0.058698185	0.00024612	5.296206474	0.001374595	0.010591208	0.000490438	0.000176029	8.40774E-05	0.116176955	2E-06	6.84694E-05	0.000786021	0.001705156	4.25112E-16
2084 Aug	0.000992591	0.153673559	1E-05	1.498706102	2.90082407	0.057394024	0.00024888	5.252894402	0.001363779	0.010539605	0.000478766	0.000172242	8.31579E-05	0.114737652	2E-06	6.81433E-05	0.000766881	0.001689447	4.10251E-16
2084 Sep	0.000987008	0.150520816	1E-05	1.482262254	2.846904993	0.055339772	0.000260354	5.203437328	0.001348161	0.010504239	0.000458878	0.000165566	8.16685E-05	0.112848341	2E-06	6.83167E-05	0.000738873	0.001663684	3.87606E-16
2084 Oct	0.000987366	0.147050306	1E-05	1.460839391	2.784250021	0.052524783	0.000280396	5.149813652	0.001326809	0.010565309	0.000431845	0.000156473	7.91203E-05	0.110506535	2E-06	6.94741E-05	0.000705316	0.001628623	3.57847E-16
2084 Nov	0.000987485	0.145828173	1E-05	1.453287601	2.762171507	0.051533505	0.000287444	5.130883694	0.001319289	0.010586818	0.000422327	0.000153276	7.82226E-05	0.109681144	2E-06	6.98813E-05	0.000693509	0.001616305	3.47592E-16
2084 Dec	0.000987486	0.145812318	1E-05	1.453189492	2.761884689	0.051520638	0.000287536	5.130637646	0.001319192	0.010587097	0.000422203	0.000153235	7.82109E-05	0.10967043	2E-06	6.98866E-05	0.000693356	0.001616146	3.4746E-16
2085 Jan	0.000987544	0.145821437	1E-05	1.453273416	2.762117624	0.051525772	0.000287568	5.131016254	0.001319238	0.010587405	0.000422194	0.000153225	7.82101E-05	0.109679297	2E-06	6.98903E-05	0.000693391	0.001616086	3.47389E-16
2085 Feb	0.000987621	0.145841092	1E-05	1.453432202	2.762564898	0.051538631	0.000287569	5.131641865	0.001319345	0.010587695	0.000422238	0.000153231	7.82144E-05	0.109696239	2E-06	6.98929E-05	0.000693508	0.001616078	3.47352E-16
2085 Mar	0.000987663	0.145851821	1E-05	1.453518867	2.762809038	0.05154565	0.00028757	5.131983757	0.001319404	0.010587853	0.000422262	0.000153235	7.82168E-05	0.109705478	2E-06	6.98943E-05	0.000693572	0.001616074	3.47331E-16
2085 Apr	0.000987687	0.145857915	1E-05	1.45356822	2.762947798	0.05154964	0.000287571	5.13217783	0.001319437	0.010587944	0.000422276	0.000153237	7.82181E-05	0.109710738	2E-06	6.98951E-05	0.000693609	0.001616072	3.4732E-16
2085 May	0.001013757	0.15419884	1E-05	1.517526507	2.945105076	0.057235211	0.000279581	5.368330479	0.001366207	0.010679799	0.000474049	0.000160367	8.32561E-05	0.116566882	2E-06	7.04457E-05	0.000752095	0.001634815	3.06148E-16
2085 Jun	0.001036875	0.163147554	1E-05	1.583634734	3.13492918	0.0634984	0.000264711	5.600281715	0.001417218	0.010755562	0.000531417	0.000171327	8.87317E-05	0.123679668	2E-06	7.0636E-05	0.000821105	0.001670779	2.46136E-16
2085 Jul	0.001030261	0.161360949	1E-05	1.566810131	3.089177132	0.0622335	0.000262076	5.53695631	0.001405842	0.010711537	0.000520977	0.000170081	8.76111E-05	0.121927872	2E-06	7.01134E-05	0.000806669	0.001666533	2.38171E-16
2085 Aug	0.001018913	0.157238469	1E-05	1.539714694	3.006145239	0.059586298	0.000267054	5.444066525	0.001383948	0.010607362	0.000497158	0.000163148	8.57123E-05	0.118940949	2E-06	6.94426E-05	0.000769426	0.001638716	2.2269E-16
2085 Sep	0.001009336	0.151278391	1E-05	1.505268693	2.898907661	0.055482935	0.000289065	5.339119434	0.001352448	0.010578958	0.000457792	0.00015122	8.24449E-05	0.115077965	2E-06	7.00336E-05	0.000717758	0.001593981	1.9995E-16
2085 Oct	0.001008121	0.147791684	1E-05	1.482605815	2.833496332	0.052695695	0.000306879	5.277170658	0.001331087	0.010632235	0.000431193	0.000143161	7.98893E-05	0.112617441	2E-06	7.10448E-05	0.000685876	0.001563799	1.85256E-16
2085 Nov	0.001007535	0.146104008	1E-05	1.471626163	2.801820278	0.051345918	0.000315504	5.24714613	0.001320743	0.01065818	0.000418313	0.000139264	7.86507E-05	0.111425593	2E-06	7.15355E-05	0.000670454	0.001549214	1.78286E-16
2085 Dec	0.001007527	0.146081954	1E-05	1.471482396	2.801406145	0.051328272	0.000315616	5.246753693	0.001320607	0.01065852	0.000418144	0.000139213	7.86345E-05	0.111410007	2E-06	7.15419E-05	0.000670253	0.001549024	1.78196E-16
2086 Jan	0.001007593	0.146092758	1E-05	1.471579432	2.801676989	0.051334374	0.000315651	5.247186661	0.001320662	0.010658883	0.000418132	0.000139204	7.86333E-05	0.111420281	2E-06	7.15462E-05	0.000670297	0.001548962	1.78151E-16
2086 Feb	0.001007685	0.146116614	1E-05	1.471770644	2.802217245	0.051350009	0.00031565	5.247937202	0.001320792	0.010659229	0.000418185	0.000139212	7.86384E-05	0.111440711	2E-06	7.15492E-05	0.000670442	0.001548959	1.78127E-16
2086 Mar	0.001007735	0.146129623	1E-05	1.471875072	2.802511454	0.05135854	0.00031565	5.248346329	0.001320863	0.010659418	0.000418214	0.000139217	7.86412E-05	0.111451849	2E-06	7.15508E-05	0.000670521	0.001548957	1.78115E-16
2086 Apr	0.001007764	0.146137029	1E-05	1.471934438	2.802679062	0.051363394	0.00031565	5.248579025	0.001320904	0.010659526	0.00041823	0.000139219	7.86427E-05	0.11145819	2E-06	7.15517E-05	0.000670566	0.001548956	1.78107E-16
2086 May	0.001015146	0.148668423	1E-05	1.490892768	2.857028484	0.053099003	0.000312446	5.317231655	0.001335099	0.01068563	0.000434092	0.000141781	8.0163E-05	0.113496676	2E-06	7.16747E-05	0.000689018	0.001556538	1.71455E-16
2086 Jun	0.001008617	0.15543437	1E-05	1.526777387	2.969793081	0.058569245	0.0002692	5.380275249	0.001376944	0.010637164	0.00048603	0.000166792	8.44987E-05	0.117524147	2E-06	6.98353E-05	0.000772375	0.001663743	1.12293E-16
2086 Jul	0.00098182	0.150278166	1E-05	1.479298353	2.83978796	0.055333953	0.000257682	5.179318905	0.001348463	0.010515769	0.00045815	0.000169396	8.14635E-05	0.112535469	2E-06	6.83544E-05	0.00074742	0.001684442	1.02049E-16
2086 Aug	0.000974048	0.147280127	1E-05	1.457551479	2.775410414	0.053307921	0.000259945	5.105963707	0.001331194	0.010437085	0.000440532	0.000164034	7.99577E-05	0.110183604	2E-06	6.77501E-05	0.000718267	0.001661864	9.65311E-17
2086 Sep	0.000963077	0.141758353	1E-05	1.42847991	2.680089474	0.049769934	0.000278416	5.015648842	0.001304186	0.010363656	0.000406344	0.000152945	7.74207E-05	0.106845073	2E-06	6.7909E-05	0.000670192	0.001619435	8.72503E-17
2086 Oct	0.000963368	0.140155047	1E-05	1.418308139	2.650724888	0.04844876	0.000287757	4.990040302	0.001294142	0.010395482	0.000393684	0.00014878	7.62029E-05	0.105739579	2E-06	6.84706E-05	0.000654757	0.001603467	8.38881E-17
2086 Nov	0.000963377	0.140108287	1E-05	1.418011785	2.649869204	0.04841017	0.000288031	4.989296913	0.001293848	0.010396422	0.000393314	0.000148657	7.61673E-05	0.105707362	2E-06	6.84871E-05	0.000654306	0.001602999	8.37908E-17
2086 Dec	0.000963379	0.140097857	1E-05	1.417945623	2.649678469	0.048401561	0.000288092	4.989130974	0.001293783	0.010396632	0.000393232	0.00014863	7.61594E-05	0.105700172	2E-06	6.84908E-05	0.000654206	0.001602894	8.37692E-17
2087 Jan	0.00096342	0.140104368	1E-05	1.418003798	2.649841547	0.048405208	0.000288114	4.989392757	0.001293815	0.010396854	0.000393227	0.000148624	7.61589E-05	0.105706356	2E-06	6.84934E-05	0.000654232	0.001602856	8.37573E-17
2087 Feb	0.000963473	0.140117973	1E-05	1.418113112	2.650149822	0.048414089	0.000288114	4.989822865	0.001293889	0.010397058	0.000393257	0.000148629	7.61618E-05	0.105718017	2E-06	6.84952E-05	0.000654314	0.001602852	8.37511E-17
2087 Mar	0.000963502	0.140125409	1E-05	1.418172717	2.650318384	0.048418935	0.000288115	4.990057468	0.00129393	0.01039717	0.000393274	0.000148631	7.61634E-05	0.105724387	2E-06	6.84962E-05	0.000654358	0.00160285	8.37478E-17
2087 Apr	0.000963518	0.140129626	1E-05	1.418206692	2.650414228	0.048421696	0.000288115	4.990190983	0.001293953	0.010397233	0.000393284	0.000148633	7.61644E-05	0.105728008	2E-06	6.84967E-05	0.000654384	0.001602849	8.37459E-17
2087 May	0.000978802	0.145010173	1E-05	1.455043554	2.756004333	0.051719353	0.000283278	5.126095772	0.001321026	0.010455469	0.000423369	0.000152967	7.90483E-05	0.109688126	2E-06	6.88401E-05	0.000688856	0.001614654	7.8161E-17
2087 Jun	0.001008686	0.157075733	1E-05	1.541238904	3.006594419	0.060100053	0.000260849	5.424048424	0.00138894	0.010568778	0.000500432	0.000169335	8.62053E-05	0.119013585	2E-06	6.90693E-05	0.000784735	0.001671011	5.7894E-17
2087 Jul	0.000997811	0.154276609	1E-05	1.514453769	2.93415451	0.058124214	0.00025621	5.321727276	0.001371157	0.010502245	0.000484106	0.000167897	8.44192E-05	0.116229512	2E-06	6.82519E-05	0.000763287	0.001667015	5.48115E-17

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.000994354	0.152900174	1E-05	1.50338304	2.902559757	0.057144228	0.000256607	5.284383297	0.001362605	0.010467649	0.000475814	0.000165476	8.3647E-05	0.115053855	2E-06	6.79433E-05	0.000749453	0.001656607	5.33904E-17
2087 Sep	0.000993024	0.151302993	1E-05	1.493774056	2.873623371	0.055951376	0.000263989	5.257433414	0.001353494	0.010477073	0.000464372	0.000161867	8.26259E-05	0.113991141	2E-06	6.8276E-05	0.000734952	0.001642926	5.17095E-17
2087 Oct	0.000992829	0.149528757	1E-05	1.482421279	2.840791225	0.054515835	0.000273652	5.227559566	0.001342541	0.010507539	0.000450637	0.000157523	8.13092E-05	0.112756893	2E-06	6.88381E-05	0.000718327	0.001626461	4.97261E-17
2087 Nov	0.000992744	0.148740813	1E-05	1.477381468	2.82621479	0.053878274	0.000277946	5.21430397	0.001337677	0.010521092	0.000444536	0.000155593	8.07245E-05	0.112208933	2E-06	6.9088E-05	0.000710944	0.001619145	4.88528E-17
2087 Dec	0.000992743	0.148725346	1E-05	1.477282524	2.825928688	0.053865753	0.000278031	5.214043617	0.001337581	0.010521359	0.000444416	0.000155555	8.0713E-05	0.112198174	2E-06	6.90929E-05	0.000710799	0.001619001	4.88359E-17
2088 Jan	0.000992795	0.148733407	1E-05	1.477356195	2.826134443	0.053870186	0.000278061	5.214378834	0.001337621	0.010521652	0.000444404	0.000155547	8.07119E-05	0.112205975	2E-06	6.90964E-05	0.000710829	0.001618947	4.88265E-17
2088 Feb	0.000992866	0.148751661	1E-05	1.477503181	2.826548815	0.053882092	0.000278062	5.214958191	0.001337721	0.010521928	0.000444444	0.000155552	8.07157E-05	0.112221666	2E-06	6.90989E-05	0.000710938	0.001618941	4.88215E-17
2088 Mar	0.000992905	0.148761556	1E-05	1.477582812	2.826773643	0.053888552	0.000278063	5.215272427	0.001337775	0.010522077	0.000444465	0.000155555	8.07178E-05	0.112230167	2E-06	6.91002E-05	0.000710998	0.001618937	4.88189E-17
2088 Apr	0.000992959	0.148775131	1E-05	1.477692246	2.827082396	0.053897422	0.000278065	5.215703964	0.001337849	0.010522283	0.000444495	0.00015556	8.07206E-05	0.112241849	2E-06	6.9102E-05	0.000711079	0.001618933	4.88152E-17
2088 May	0.00099493	0.149296284	1E-05	1.481844068	2.838824511	0.054240059	0.000278006	5.231880665	0.001340702	0.010529849	0.00044603	0.00015578	8.08683E-05	0.112685479	2E-06	6.9166E-05	0.000714309	0.00161903	4.86259E-17
2088 Jun	0.000927321	0.138856232	1E-05	1.382708669	2.569031954	0.048243839	0.000242876	4.777451515	0.001287773	0.010268266	0.000393911	0.000171348	7.49251E-05	0.102266639	2E-06	6.57304E-05	0.000687942	0.00171347	3.63038E-17
2088 Jul	0.000904238	0.134753436	1E-05	1.345015168	2.465790749	0.045756422	0.000232791	4.612724781	0.001266032	0.010174591	0.000372255	0.0001749	7.25441E-05	0.098298356	2E-06	6.45682E-05	0.000672036	0.001737812	3.31155E-17
2088 Aug	0.000902541	0.133963332	1E-05	1.340427399	2.451023817	0.045250319	0.00023445	4.59849596	0.00126192	0.010153675	0.00036766	0.000173117	7.22159E-05	0.097781338	2E-06	6.44616E-05	0.000664037	0.001730241	3.25721E-17
2088 Sep	0.000901689	0.132970184	1E-05	1.335677862	2.435081482	0.044568717	0.000239347	4.586642265	0.001256842	0.010149183	0.000361008	0.000170474	7.17204E-05	0.097228333	2E-06	6.46143E-05	0.000654311	0.001719645	3.18498E-17
2088 Oct	0.000906294	0.129899934	1E-05	1.318392992	2.383966446	0.041897513	0.000263043	4.555343628	0.001237031	0.010237681	0.000335123	0.000159997	6.92992E-05	0.095323585	2E-06	6.61178E-05	0.000620563	0.001677524	2.90782E-17
2088 Nov	0.000907605	0.129065767	1E-05	1.313724279	2.370146036	0.041169468	0.000269565	4.54708004	0.001231638	0.010262176	0.000328063	0.000157115	6.86395E-05	0.094808772	2E-06	6.65329E-05	0.000611337	0.001665921	2.83317E-17
2088 Dec	0.000907623	0.129054308	1E-05	1.313660502	2.36995697	0.041159447	0.000269656	4.546969414	0.001231564	0.010262517	0.000327966	0.000157075	6.86304E-05	0.094801724	2E-06	6.65387E-05	0.00061121	0.00166576	2.83216E-17
2089 Jan	0.000907688	0.129065111	1E-05	1.313757539	2.370227337	0.041165616	0.000269688	4.547401428	0.001231619	0.010262855	0.000327968	0.000157066	6.86308E-05	0.094811998	2E-06	6.65426E-05	0.000611253	0.001665698	2.8316E-17
2089 Feb	0.000907767	0.129085004	1E-05	1.313918233	2.370680332	0.041178584	0.000269691	4.548036575	0.001231727	0.010263155	0.000328016	0.000157072	6.86355E-05	0.09482915	2E-06	6.65453E-05	0.000611371	0.001665688	2.8313E-17
2089 Mar	0.00090781	0.129095837	1E-05	1.314005733	2.370926857	0.041185644	0.000269692	4.548382282	0.001231786	0.010263318	0.000328042	0.000157075	6.8638E-05	0.094838485	2E-06	6.65468E-05	0.000611435	0.001665683	2.83115E-17
2089 Apr	0.00090784	0.129103482	1E-05	1.314067602	2.371101141	0.041190635	0.000269693	4.548627377	0.001231828	0.010263434	0.000328061	0.000157077	6.86398E-05	0.094845086	2E-06	6.65478E-05	0.00061148	0.001665679	2.83103E-17
2089 May	0.000933175	0.136658773	1E-05	1.372546315	2.537475824	0.046267435	0.000264531	4.768789768	0.001273726	0.010356443	0.000374169	0.000162443	7.31409E-05	0.101111062	2E-06	6.71913E-05	0.000662314	0.001677419	2.57297E-17
2089 Jun	0.000976981	0.151155069	1E-05	1.482110977	2.850874901	0.056163166	0.000248317	5.169436455	0.001354863	0.01051304	0.00046475	0.000176048	8.18686E-05	0.112879559	2E-06	6.803E-05	0.00076607	0.001715792	1.94172E-17
2089 Jul	0.000969408	0.148912445	1E-05	1.460463762	2.79238987	0.054520894	0.00024498	5.090228081	0.001339933	0.010455724	0.000451465	0.000173881	8.04284E-05	0.110636324	2E-06	6.73366E-05	0.000746032	0.001707088	1.84719E-17
2089 Aug	0.000965413	0.147004396	1E-05	1.443608046	2.74561739	0.053067423	0.000244747	5.035483837	0.001326861	0.010404414	0.000439689	0.000169902	7.92666E-05	0.108875386	2E-06	6.68148E-05	0.000724292	0.001688861	1.76894E-17
2089 Sep	0.000964982	0.144944966	1E-05	1.432078719	2.710224628	0.05149179	0.000256189	5.006993771	0.001315012	0.010424566	0.000424466	0.00016442	7.79376E-05	0.107587002	2E-06	6.73791E-05	0.000704239	0.001667394	1.68812E-17
2089 Oct	0.000967454	0.140387222	1E-05	1.404983044	2.630462408	0.047720388	0.000285503	4.94502449	0.001286682	0.01052114	0.000388111	0.000151331	7.45328E-05	0.104612604	2E-06	6.91376E-05	0.000658401	0.00161619	1.50169E-17
2089 Nov	0.000967785	0.139768839	1E-05	1.40130806	2.619642973	0.04720898	0.000289478	4.936608791	0.001282841	0.010534236	0.00038318	0.000149558	7.40711E-05	0.104209155	2E-06	6.93761E-05	0.00065219	0.00160926	1.47709E-17
2089 Dec	0.000967791	0.139756218	1E-05	1.401233196	2.619422197	0.047198553	0.000289559	4.93643713	0.001282763	0.010534503	0.000383079	0.000149522	7.40617E-05	0.104200922	2E-06	6.9381E-05	0.000652064	0.001609119	1.47659E-17
2090 Jan	0.000967846	0.139765188	1E-05	1.401315093	2.619649172	0.047203697	0.000289587	4.93680191	0.001282808	0.010534789	0.000383076	0.000149514	7.40615E-05	0.104209572	2E-06	6.93844E-05	0.0006521	0.001609066	1.47632E-17
2090 Feb	0.000967916	0.139783144	1E-05	1.40146029	2.62005806	0.047215465	0.000289589	4.937373638	0.001282907	0.010535054	0.000383118	0.000149519	7.40656E-05	0.104225062	2E-06	6.93867E-05	0.000652207	0.00160906	1.47618E-17
2090 Mar	0.000967955	0.139792949	1E-05	1.401539445	2.620281219	0.047221877	0.00028959	4.93768549	0.00128296	0.010535197	0.000383141	0.000149522	7.40678E-05	0.104233496	2E-06	6.9388E-05	0.000652266	0.001609056	1.4761E-17
2090 Apr	0.000967977	0.139798537	1E-05	1.401584506	2.620408297	0.047225535	0.00028959	4.93786335	0.001282991	0.010535279	0.000383154	0.000149524	7.40691E-05	0.104238316	2E-06	6.93887E-05	0.000652299	0.001609054	1.47606E-17
2090 May	0.000971893	0.141039327	1E-05	1.411152601	2.647613049	0.048071451	0.000288471	4.973289013	0.001289959	0.010549038	0.000390853	0.000150553	7.48212E-05	0.105263159	2E-06	6.94744E-05	0.000660953	0.001611696	1.45136E-17
2090 Jun	0.000984843	0.151448652	1E-05	1.48183322	2.854151964	0.055867661	0.000253681	5.185292721	0.001352201	0.010569315	0.000463195	0.000172664	8.149E-05	0.11292696	2E-06	6.85642E-05	0.000759303	0.001698494	9.58881E-18
2090 Jul	0.000965279	0.147653043	1E-05	1.447300553	2.75921011	0.05349629	0.000245524	5.039409637	0.001331369	0.010478305	0.000442753	0.000174369	7.9292E-05	0.109292224	2E-06	6.74771E-05	0.000740566	0.001712688	8.89299E-18
2090 Aug	0.000947976	0.140797198	1E-05	1.408687949	2.633329153	0.049278069	0.000259168	4.912888527	0.001297588	0.010297659	0.000403687	0.000160881	7.65628E-05	0.104902446	2E-06	6.65873E-05	0.000676956	0.001657751	7.84956E-18
2090 Sep	0.000944867	0.135627583	1E-05	1.380537271	2.545119762	0.045483146	0.000285545	4.840092659	0.00126903	0.010319669	0.000366927	0.000147763	7.34749E-05	0.101728469	2E-06	6.7719E-05	0.000627682	0.001606495	6.96888E-18
2090 Oct	0.000949043	0.130318388	1E-05	1.348467946	2.451831818	0.040986259	0.000321253	4.768660545	0.001235278	0.01045154	0.00032354	0.000132138	6.9336E-05	0.098225214	2E-06	6.99611E-05	0.000573734	0.001545383	5.96622E-18
2090 Nov	0.000950222	0.128954127	1E-05	1.340234995	2.427914381	0.039824516	0.000330574	4.750562191	0.001226567	0.010486682	0.000312325	0.000128078	6.82637E-05	0.097326212	2E-06	7.05518E-05	0.000559805	0.001529488	5.71623E-18
2090 Dec	0.00095024	0.128934518	1E-05	1.340116739	2.427571058	0.039807793	0.000330709	4.750303268	0.001226442	0.010487192	0.000312164	0.00012802	6.82482E-05	0.097313292	2E-06	7.05604E-05	0.000559605	0.001529259	5.71266E-18
2091 Jan	0.000950315	0.128948122	1E-05	1.340234876	2.42790246	0.039815769	0.000330741	4.750816345	0.001226512	0.010487581	0.00031217	0.000128012	6.82488E-05	0.097325847	2E-06	7.05648E-05	0.000559667	0.001529202	5.71125E-18
2091 Feb	0.00095041	0.128972918	1E-05	1.340433359	2.428462744	0.039832044	0.000330739	4.751593113	0.001226647	0.010487937	0.000312231	0.000128022	6.82547E-05	0.097347043	2E-06	7.05678E-05	0.000559818	0.0015292	5.71052E-18
2091 Mar	0.000950462	0.128986493	1E-05	1.340541959	2.42876935	0.039840952	0.000330739	4.752018452	0.001226721	0.010488132	0.000312265	0.000128027	6.8258E-05	0.097358644	2E-06	7.05695E-05	0.000559901	0.001529198	5.71012E-18
2091 Apr	0.000950492	0.128994212	1E-05	1.340603828	2.428943872	0.039846022	0.000330738	4.752260685	0.001226764	0.010488243	0.000312284	0.00012803	6.82598E-05	0.097365253	2E-06	7.05704E-05	0.000559947	0.001529198	5.70989E-18
2091 May	0.000963645	0.133388832	1E-05	1.373643994	2.523559809	0.042847205	0.000325508	4.872837543	0.001251315	0.01053388	0.000339741	0.000132209	7.09E-05	0.100916766	2E-06	7.07964E-05	0.000591379	0.00154101	5.40798E-18
2091 Jun	0.001005768	0.15100491	1E-05	1.500019073	2.889447451	0.055212125	0.000290322	5.307338715	0.001351233	0.010666469	0.000453759	0.000156224	8.16054E-05	0.11457064	2E-06	7.0795E-05	0.000730779	0.001622953	3.75563E-18
2091 Jul	0.000996232	0.14928256	1E-05	1.483683348	2.844970226	0.054145809	0.000285506	5.23708868	0.001341716	0.010621732	0.000444689	0.000157461	8.05973E-05	0.112859435	2E-06	7.02292E-05	0.000722967	0.001631514	3.62555E-18
2091 Aug	0.000984379	0.145095542	1E-05	1.458525062	2.764812946	0.051578626	0.000291413	5.150962353	0.001320808	0.010503878	0.000421224	0.000150122	7.88964E-05	0.11003311	2E-06	6.95235E-05	0.000685268	0.001601967	3.35741E-18
2091 Sep	0.000973018	0.140375704	1E-05	1.434491634	2.683987141	0.048714779	0.000304839	5.072762966	0.001298891	0.010411399	0.00039354	0.000141216	7.69894E-05	0.107241943	2E-06	6.9364E-05	0.000645026	0.001567922	3.07094E-18
2091 Oct	0.000973746	0.137403592	1E-05	1.415182471	2.628829718	0.046233416	0.000322221	5.023927689	0.001279975	0.010475303	0.000369835	0.000133532	7.46726E-05	0.105153538	2E-06	7.04382E-05	0.000616434	0.001538558	2.83585E-18
2091 Nov	0.000974354	0.135075092	1E-05	1.400033712	2.585595131	0.044286121	0.000335881	4.985663414	0.00126513	0.010525974	0.000351233	0.000127503	7.2852E-05	0.1035157	2E-06	7.12856E-05	0.000594021	0.001515522	2.65562E-18
2091 Dec	0.000974385	0.134961039	1E-05	1.399290919	2.583476782	0.044190619	0.000336552	4.983788967	0.001264402	0.010528476	0.000350321	0.000127208	7.27626E-05	0.103435405	2E-06	7.13274E-05	0.000592923	0.001514393	2.64693E-18
2092 Jan	0.000974467	0.134975925	1E-05	1.399418116	2.58383584	0.044199251	0.000336586	4.984342098	0.001264478	0.010528915	0.000350322	0.0001272	7.27626E-05	0.103448957	2E-06	7.13322E-05	0.000592992	0.001514332	2.64617E-18
2092 Feb	0.000974577	0.13500458	1E-05	1.399645925	2.584480524	0.044218034	0.000336583	4.985232353	0.001264634	0.010529326	0.000350392	0.000127211	7.27692E-05	0.103473313	2E-06	7.13356E-05	0.000593167	0.001514333	2.64577E-18
2092 Mar	0.000974636	0.135020137	1E-05	1.399769545	2.584830046	0.044228226	0.000336581	4.985715866	0.001264719	0.01052955	0.000350429	0.000127218	7.27727E-05	0.10348653	2E-06	7.13375E-05	0.000593262	0.001514334	2.64556E-18
2092 Apr	0.000974669	0.135028809	1E-05	1.399838448	2.585025311	0.044233911	0.00033658	4.985985279	0.001264766	0.010529674	0.00035045	0.000127221	7.27747E-05	0.103493899	2E-06	7.13385E-05	0.000593315	0.001514334	2.64544E-18
2092 May	0.000990089	0.140353382	1E-05	1.43903923	2.698040485	0.047863364	0.000329267	5.127667427	0.001294314	0.010584496	0.000383782	0.000132742	7.5933E-05	0.107721224	2E-06	7.1565E-05	0.000632085	0.001530782	2.469E-18
2092 Jun	0.001016882	0.157256097	1E-05	1.549249291	3.026053429	0.060016029	0.00027557	5.469426632	0.001390482	0.010660157	0.000497429	0.00016577	8.60706E-05	0.119786151	2E-06	7.03912E-05	0.000783403	0.001656833	1.4806E-18
2092 Jul	0.000986636	0.151557028	1E-05	1.49604094	2.880929947	0.056442697	0.000261868	5.242943764	0.001358913	0.010525567	0.000466732	0.000169187	8.26849E-05	0.11420501	2E-06	6.8711E-05	0.00075678	0.001682314	1.33186E-18
2092 Aug	0.000982619	0.150082111	1E-05	1.487013102	2.852474451	0.05552071	0.000264113	5.212275505	0.001351407	0.010487308	0.000458304	0.000166592	8.20531E-05	0.113195576	2E-06	6.84908E-05	0.000743498	0.001671914	1.29899E-18
2092 Sep	0.00097763	0.147556573	1E-05	1.473209262	2.807950258	0.053879492	0.000272295	5.169141293	0.001338781	0.01045532	0.000442557	0.000161585	8.08508E-05	0.111623831	2E-06	6.85579E-05	0.000721451	0.001652761	1.24157E-18
2092 Oct	0.00097759	0.145820707	1E-05	1.46191287	2.775481224	0.052459735	0.00028173	5.139637947	0.001327894	0.010485537	0.000429043	0.000157243	7.95454E-05	0.110400088	2E-06	6.91053E-05	0.000704858	0.001636129	1.19309E-18
2092 Nov	0.000977584	0.145338908	1E-05	1.458779693	2.766474724	0.052065436	0.000284357	5.131470203	0.001324871	0.01049397	0.00042529	0.000156035	7.91828E-05	0.110060655	2E-06	6.92578E-05	0.000700248	0.001631498	1.17974E-18
2092 Dec	0.000977584	0.145324647	1E-05	1.458687067	2.766208172	0.052053757	0.000284435	5.131228924	0.001324782	0.01049422	0.000425178	0.000155999	7.91721E-05	0.110050604	2E-06	6.92624E-05	0.000700111	0.001631361	1.17935E-18
2093 Jan	0.000977635	0.145332634	1E-05	1.458758235	2.766407967	0.052058153	0.000284462	5.131552219	0.001324821	0.010494497	0.000425169	0.000155991	7.91712E-05	0.110058174	2E-06	6.92656E-05	0.000700141	0.00163131	1.17913E-18
2093 Feb	0.000977703	0.14534992	1E-05	1.458896756	2.766799212	0.052069418	0.000284462	5.132097721	0.001324915	0.010494754	0.000425208	0.000155996	7.91748E-05	0.11007297	2E-06	6.92678E-05	0.000700245	0.001631304	1.17902E-18
2093 Mar	0.00097774	0.145359352	1E-05	1.458972454	2.767012835	0.052075572	0.000284463	5.132396221	0.001324966	0.010494895	0.000425228	0.000155999	7.91768E-05	0.110081054	2E-06	6.9269E-05	0.000700301	0.001631301	1.17896E-18
2093 Apr	0.000977761	0.145364746	1E-05	1.459015489	2.767134905	0.052079082	0.000284463	5.132565975	0.001324996	0.010494975	0.00042524	0.000156001	7.9178E-05	0.110085659	2E-06	6.92697E-05	0.000700333	0.001631299	1.17892E-18
2093 May	0.000990446	0.149414688	1E-05	1.489391327	2.854336977	0.0548096	0.000280214	5.244755268	0.001347344	0.010541608	0.000450233	0.000159557	8.15684E-05	0.113354646	2E-06	6.95284E-05	0.000728665	0.001640769	1.11052E-18
2093 Jun	0.001016827	0.161366969	1E-05	1.571870565	3.096280336	0.06317807	0.000252531	5.52161932	0.001414461	0.01063216	0.000527843	0.000177854	8.86639E-05	0.122320652	2E-06	6.93657E-05	0.000826576	0.001705953	7.73833E-19
2093 Jul	0.001003774	0.158369437	1E-05	1.544004202	3.020336866	0.061160021	0.000247437	5.410815716	0.001396561	0.010564272	0.000510779	0.000177474	8.68146E-05	0.119406745	2E-06	6.85473E-05	0.00080716	0.001708087	7.33465E-19
2093 Aug	0.000999053	0.156495899	1E-05	1.529725313	2.978880167	0.059856787	0.000248612	5.362709999	0.001385359	0.010518307	0.000499557	0.000174168	8.58084E-05	0.117876649	2E-06	6.8174E-05	0.000788786	0.001694124	7.09778E-19
2093 Sep	0.000996611	0.153853372	1E-05	1.513625622	2.93048358	0.057891674	0.000260273	5.316967964	0.001370259	0.010529481	0.0004808	0.000168262	8.41359E-05	0.116099238	2E-06	6.86667E-05	0.00076469	0.001671629	6.75325E-19
2093 Oct	0.00099537	0.147575721	1E-05	1.473018169	2.813138008	0.052833736	0.000293155	5.208759785	0.001331453	0.010626223	0.000432629	0.000153015	7.95228E-05	0.111690238	2E-06	7.05145E-05	0.000705534	0.001613507	5.90296E-19
2093 Nov	0.000994873	0.14481014	1E-05	1.455163121	2.761523008	0.050603881	0.000307724	5.161327839	0.001314355	0.010669308	0.000411384	0.000146269	7.74891E-05	0.109751143	2E-06	7.13355E-05	0.000679438	0.001587782	5.54145E-19
2093 Dec	0.000994868	0.144780919	1E-05	1.454974651	2.760977983	0.050580315	0.000307879	5.160828114	0.001314174	0.010669765	0.000411159	0.000146198	7.74676E-05	0.109730676	2E-06	7.13442E-05	0.000679162	0.00158751	5.5377E-19
2094 Jan	0.000994936	0.144791946	1E-05	1.455074072	2.761255264	0.050586499	0.000307915	5.16127491	0.00131423	0.010670131	0.000411147	0.000146187	7.74664E-05	0.109741196	2E-06	7.13485E-05	0.000679205	0.001587441	5.53629E-19
2094 Feb	0.00099503	0.144816056	1E-05	1.455267668	2.761801481	0.05060228	0.000307915	5.162036419	0.001314361	0.010670481	0.000411201	0.000146195	7.74716E-05	0.109761864	2E-06	7.13515E-05	0.00067935	0.001587434	5.53556E-19
2094 Mar	0.000995082	0.144829199	1E-05	1.455373168	2.762099266	0.050610881	0.000307915	5.162451267	0.001314433	0.010670671	0.00041123	0.0001462	7.74744E-05	0.109773137	2E-06	7.13532E-05	0.000679428	0.00158743	5.53516E-19
2094 Apr	0.000995111	0.144836694	1E-05	1.455433369	2.76226902	0.050615788	0.000307915	5.162688255	0.001314474	0.01067078	0.000411247	0.000146202	7.7476E-05	0.109779559	2E-06	7.13542E-05	0.000679473	0.001587428	5.53493E-19
2094 May	0.001014912	0.151428878	1E-05	1.505054355	2.90426445	0.055118307	0.000300066	5.344062805	0.001351286	0.010737577	0.000452457	0.00015236	8.1447E-05	0.115112394	2E-06	7.1679E-05	0.000726308	0.001604519	5.01594E-19
2094 Jun	0.001042219	0.162569329	1E-05	1.585469842	3.136573315	0.062926307	0.000278522	5.62259531	0.001414404	0.010819778	0.000524435	0.000166929	8.82409E-05	0.12379349	2E-06	7.16899E-05	0.000813098	0.001653191	3.83144E-19

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.001033755	0.160666972	1E-05	1.567680955	3.088057518	0.061654378	0.000274873	5.55161953	0.001403045	0.010772737	0.000513758	0.000166713	8.70864E-05	0.121933997	2E-06	7.11225E-05	0.000800638	0.001654512	3.70399E-19
2094 Aug	0.00103092	0.159643337	1E-05	1.559818029	3.065226793	0.060954493	0.000275195	5.524502754	0.001397001	0.0107457	0.000507751	0.000165053	8.65488E-05	0.121091448	2E-06	7.08931E-05	0.000790871	0.001647568	3.63914E-19
2094 Sep	0.001027832	0.156637624	1E-05	1.540866733	3.008999109	0.058707487	0.000287892	5.469198704	0.001379649	0.01076031	0.00048638	0.00015869	8.46013E-05	0.119012021	2E-06	7.14418E-05	0.000764082	0.001623718	3.43785E-19
2094 Oct	0.00102539	0.152452916	1E-05	1.513388157	2.929526567	0.055414047	0.00030764	5.391861916	0.001354232	0.010810289	0.000455112	0.000149376	8.16148E-05	0.116029344	2E-06	7.24867E-05	0.000726076	0.00158882	3.15463E-19
2094 Nov	0.001022887	0.148189262	1E-05	1.485396624	2.848561525	0.052059587	0.000327749	5.313045979	0.001328346	0.010861105	0.000423261	0.000139895	7.85733E-05	0.112990811	2E-06	7.35503E-05	0.000687375	0.001553309	2.87596E-19
2094 Dec	0.00102273	0.14792195	1E-05	1.483641744	2.843485355	0.051849309	0.000329009	5.308103561	0.001326723	0.010864288	0.000421265	0.000139301	7.83826E-05	0.112800322	2E-06	7.36169E-05	0.00068495	0.001551085	2.85888E-19
2095 Jan	0.001022806	0.147934705	1E-05	1.483756423	2.843804836	0.051856618	0.000329047	5.308613777	0.001326788	0.010864684	0.000421249	0.00013929	7.83812E-05	0.112812467	2E-06	7.36215E-05	0.000685001	0.001551011	2.85801E-19
2095 Feb	0.001022916	0.147963464	1E-05	1.483986974	2.844455242	0.051875532	0.000329045	5.309515953	0.001326945	0.010865084	0.000421313	0.0001393	7.83874E-05	0.112837069	2E-06	7.3625E-05	0.000685175	0.001551008	2.85755E-19
2095 Mar	0.001022976	0.14797917	1E-05	1.484112859	2.844810009	0.051885866	0.000329044	5.310009003	0.001327031	0.010865301	0.000421348	0.000139306	7.83907E-05	0.112850502	2E-06	7.36268E-05	0.00068527	0.001551005	2.8573E-19
2095 Apr	0.00102301	0.147988096	1E-05	1.484184504	2.845012188	0.05189174	0.000329043	5.310288906	0.00132708	0.010865426	0.000421368	0.000139309	7.83927E-05	0.112858146	2E-06	7.36279E-05	0.000685325	0.001551004	2.85716E-19
2095 May	0.001041434	0.1545894	1E-05	1.533534408	2.986152887	0.056469094	0.000319314	5.487435818	0.001364347	0.010919826	0.000463369	0.000146219	8.24469E-05	0.118161909	2E-06	7.37928E-05	0.000733489	0.001571493	2.57679E-19
2095 Jun	0.001060815	0.16301845	1E-05	1.594403505	3.161482573	0.062456813	0.000301319	5.69553709	0.001412616	0.010966389	0.000518659	0.00015776	8.77037E-05	0.12472631	2E-06	7.36252E-05	0.000799935	0.001610512	2.12624E-19
2095 Jul	0.001054946	0.161464944	1E-05	1.579403877	3.120844603	0.061353248	0.000298403	5.639086246	0.001402547	0.010923235	0.000509713	0.000156644	8.67354E-05	0.123169377	2E-06	7.3102E-05	0.000786916	0.001606383	2.06634E-19
2095 Aug	0.001042171	0.15725936	1E-05	1.549300194	3.031063795	0.05862603	0.000300272	5.532729626	0.001379392	0.010806056	0.000485796	0.00015036	8.47264E-05	0.119898319	2E-06	7.21817E-05	0.000749174	0.001581072	1.92704E-19
2095 Sep	0.001031421	0.153481707	1E-05	1.52890265	2.963823557	0.056379467	0.000308545	5.461833954	0.001361959	0.010722535	0.000464254	0.000144331	8.32123E-05	0.117554203	2E-06	7.18856E-05	0.000718791	0.00155893	1.81649E-19
2095 Oct	0.001030612	0.152395979	1E-05	1.52165091	2.942960739	0.05552898	0.000313456	5.440841198	0.001355383	0.010735357	0.000456185	0.000142058	8.24343E-05	0.116768815	2E-06	7.21479E-05	0.000709226	0.001550591	1.77582E-19
2095 Nov	0.001028856	0.150027543	1E-05	1.505826235	2.897446632	0.053672701	0.000324185	5.395040989	0.001341033	0.010763586	0.000438572	0.000137102	8.07349E-05	0.115055092	2E-06	7.27227E-05	0.000688368	0.001532409	1.68851E-19
2095 Dec	0.001028605	0.149687618	1E-05	1.503554463	2.89091444	0.053406201	0.000325726	5.388467312	0.001338973	0.010767662	0.000436043	0.00013639	8.04908E-05	0.114809103	2E-06	7.28054E-05	0.000685375	0.001529801	1.67611E-19
2096 Jan	0.001028688	0.149701655	1E-05	1.503679514	2.891263962	0.053414177	0.000325768	5.389022827	0.001339044	0.010768117	0.000436022	0.000136379	8.04888E-05	0.11482235	2E-06	7.28107E-05	0.000685434	0.001529725	1.67553E-19
2096 Feb	0.001028812	0.149734199	1E-05	1.503939867	2.891998768	0.053435586	0.000325765	5.390039444	0.001339222	0.010768576	0.000436094	0.000136391	8.04957E-05	0.114850149	2E-06	7.28146E-05	0.000685633	0.001529724	1.67522E-19
2096 Mar	0.00102888	0.149751857	1E-05	1.504081011	2.892397404	0.053447198	0.000325764	5.390591621	0.001339319	0.010768824	0.000436133	0.000136398	8.04994E-05	0.114865229	2E-06	7.28167E-05	0.00068574	0.001529724	1.67506E-19
2096 Apr	0.001028917	0.149761677	1E-05	1.504159689	2.892619133	0.053453662	0.000325763	5.390898228	0.001339372	0.010768963	0.000436154	0.000136402	8.05015E-05	0.114873618	2E-06	7.28179E-05	0.0006858	0.001529724	1.67497E-19
2096 May	0.001038481	0.153256848	1E-05	1.530030489	2.966916323	0.055873998	0.000320429	5.483094692	0.001359076	0.010800123	0.000458352	0.000140305	8.26221E-05	0.117658332	2E-06	7.29164E-05	0.00071187	0.00154186	1.58622E-19
2096 Jun	0.000999979	0.153911576	1E-05	1.512522578	2.931277037	0.057627928	0.00026582	5.317385674	0.001368849	0.01061314	0.000477523	0.000168525	8.35235E-05	0.116028421	2E-06	6.95039E-05	0.000767773	0.001675233	9.95807E-20
2096 Jul	0.000976578	0.149514541	1E-05	1.472180963	2.820654869	0.054902732	0.000255697	5.145043373	0.001344899	0.010508715	0.000453961	0.000171141	8.0962E-05	0.111785151	2E-06	6.82324E-05	0.000747558	0.001694969	9.18309E-20
2096 Aug	0.000973034	0.148217902	1E-05	1.464581251	2.796279192	0.054106236	0.0002579	5.119267941	0.001338485	0.010474866	0.000446602	0.000168836	8.04298E-05	0.110927552	2E-06	6.80514E-05	0.000736005	0.001685796	8.98745E-20
2096 Sep	0.000969476	0.144447967	1E-05	1.442360759	2.728494883	0.051341999	0.000274703	5.056817532	0.001317333	0.010484834	0.000420128	0.000160226	7.81276E-05	0.108457446	2E-06	6.87244E-05	0.000701358	0.001652743	8.32847E-20
2096 Oct	0.000969693	0.138707101	1E-05	1.405970216	2.622941971	0.046668865	0.000306774	4.963778019	0.001281666	0.010583435	0.00037549	0.000145475	7.38734E-05	0.104497448	2E-06	7.05674E-05	0.000645973	0.001595918	7.25008E-20
2096 Nov	0.000969841	0.137395054	1E-05	1.397692561	2.598919153	0.045596734	0.000314241	4.942888737	0.001273493	0.010606757	0.000365241	0.000142048	7.28972E-05	0.103596337	2E-06	7.09996E-05	0.000633221	0.001582675	7.00969E-20
2096 Dec	0.000969844	0.137379885	1E-05	1.397597075	2.598642111	0.045584328	0.000314328	4.942648411	0.001273399	0.01060703	0.000365122	0.000142008	7.28859E-05	0.103585936	2E-06	7.10046E-05	0.000633074	0.001582521	7.00694E-20
2097 Jan	0.000969904	0.137390226	1E-05	1.397688866	2.598898411	0.045590274	0.000314357	4.943055153	0.001273451	0.010607343	0.000365118	0.000142	7.28856E-05	0.103595674	2E-06	7.10083E-05	0.000633117	0.001582465	7.00542E-20
2097 Feb	0.000969985	0.137411147	1E-05	1.397856712	2.59937191	0.045603994	0.000314356	4.943714142	0.001273566	0.010607641	0.000365167	0.000142007	7.28903E-05	0.103613585	2E-06	7.10108E-05	0.000633243	0.00158246	7.00464E-20
2097 Mar	0.000970029	0.137422562	1E-05	1.397948384	2.599630594	0.045611482	0.000314356	4.944037677	0.001273628	0.010607804	0.000365194	0.000142011	7.28929E-05	0.103623375	2E-06	7.10123E-05	0.000633311	0.001582458	7.00421E-20
2097 Apr	0.000970054	0.137429088	1E-05	1.398000598	2.599777937	0.045615759	0.000314356	4.944278717	0.001273664	0.010607897	0.000365209	0.000142013	7.28943E-05	0.103628956	2E-06	7.10131E-05	0.000633351	0.001582456	7.00397E-20
2097 May	0.000980782	0.141000614	1E-05	1.424937963	2.676780462	0.048058379	0.000310082	5.042795658	0.001293629	0.010643017	0.000387571	0.000145312	7.5055E-05	0.106522866	2E-06	7.11802E-05	0.00065862	0.001591498	6.66352E-20
2097 Jun	0.001004716	0.151883259	1E-05	1.50216639	2.900552034	0.055787601	0.000285218	5.303448677	0.00135576	0.010704583	0.000459089	0.000161222	8.17702E-05	0.114873506	2E-06	7.09073E-05	0.000746286	0.001646823	5.10811E-20
2097 Jul	0.000996173	0.149984464	1E-05	1.483916998	2.85104537	0.054508012	0.000280896	5.230817318	0.001344171	0.010653125	0.000448535	0.000160977	8.06137E-05	0.11297293	2E-06	7.02709E-05	0.000733336	0.001647698	4.91305E-20
2097 Aug	0.000991624	0.148304597	1E-05	1.471550226	2.814503431	0.053379312	0.000281678	5.188742161	0.001334461	0.010605033	0.000438815	0.000158013	7.9785E-05	0.111637942	2E-06	6.98803E-05	0.000716859	0.001635074	4.75581E-20
2097 Sep	0.000989417	0.147048965	1E-05	1.464690447	2.79248476	0.052546311	0.000286129	5.167877197	0.00132808	0.010592727	0.000430805	0.000155421	7.91617E-05	0.110858127	2E-06	6.99543E-05	0.000705765	0.001625133	4.64247E-20
2097 Oct	0.000989267	0.144941911	1E-05	1.451306105	2.753625393	0.050843436	0.000297616	5.133093834	0.00131507	0.010626891	0.000414543	0.000150127	7.76146E-05	0.109401181	2E-06	7.06059E-05	0.000685656	0.00160483	4.4159E-20
2097 Nov	0.000989195	0.143844098	1E-05	1.444336295	2.733388424	0.049955938	0.000303612	5.114999771	0.001308291	0.010644765	0.000406066	0.000147365	7.68082E-05	0.108642444	2E-06	7.09465E-05	0.000675176	0.001594238	4.29954E-20
2097 Dec	0.000989185	0.143668547	1E-05	1.443222165	2.730153561	0.049813993	0.000304572	5.112109184	0.001307207	0.010647632	0.00040471	0.000146923	7.66792E-05	0.108521156	2E-06	7.1001E-05	0.000673499	0.001592543	4.28112E-20
2098 Jan	0.000989285	0.143685415	1E-05	1.443373322	2.730574608	0.049823646	0.000304622	5.112780571	0.001307293	0.010648156	0.000404699	0.000146909	7.66782E-05	0.10853716	2E-06	7.10071E-05	0.000673568	0.001592447	4.27954E-20
2098 Feb	0.000989422	0.143720627	1E-05	1.443655968	2.731372118	0.049846735	0.000304621	5.113891125	0.001307485	0.010648658	0.000404779	0.000146921	7.6686E-05	0.108567342	2E-06	7.10115E-05	0.00067378	0.001592439	4.27873E-20
2098 Mar	0.000989496	0.143739834	1E-05	1.443810463	2.73180747	0.049859341	0.000304621	5.114497662	0.00130759	0.010648933	0.000404823	0.000146928	7.66902E-05	0.108583823	2E-06	7.10139E-05	0.000673895	0.001592434	4.27828E-20
2098 Apr	0.000991693	0.144307375	1E-05	1.448369026	2.744663715	0.050231598	0.00030461	5.132397652	0.001310692	0.010657039	0.000406125	0.000147121	7.68162E-05	0.109070435	2E-06	7.10844E-05	0.000677308	0.001592301	4.26519E-20
2098 May	0.001027482	0.155728564	1E-05	1.535569906	2.993215561	0.058003034	0.000293153	5.4549613	0.001374448	0.010777527	0.000470178	0.000156674	8.30119E-05	0.118424967	2E-06	7.17672E-05	0.000756452	0.001616581	3.67311E-20
2098 Jun	0.001060428	0.170471281	1E-05	1.641015649	3.298101425	0.068475336	0.000260702	5.812215805	0.001458844	0.01086596	0.000568941	0.000177911	9.23352E-05	0.129813135	2E-06	7.14922E-05	0.000875044	0.001690272	2.42873E-20
2098 Jul	0.00104989	0.168246076	1E-05	1.620899081	3.242782354	0.067041859	0.000256758	5.729641914	0.001446267	0.010815041	0.00055679	0.00017824	9.10384E-05	0.127697349	2E-06	7.08957E-05	0.000862501	0.001695204	2.3442E-20
2098 Aug	0.001036818	0.163677588	1E-05	1.59270823	3.154369593	0.064201683	0.00026348	5.631710052	0.001423249	0.010702691	0.000531006	0.000170911	8.90799E-05	0.124548621	2E-06	7.02614E-05	0.000823277	0.001666851	2.19524E-20
2098 Sep	0.001024229	0.155977547	1E-05	1.54586339	3.011529684	0.05881146	0.000290448	5.486716747	0.001381459	0.010673134	0.000480376	0.000156071	8.47377E-05	0.11934974	2E-06	7.09931E-05	0.000756935	0.001611625	1.92857E-20
2098 Oct	0.001020401	0.149834067	1E-05	1.504782915	2.893492699	0.053957157	0.000318854	5.369719982	0.001343884	0.01074862	0.000434971	0.000142712	8.03575E-05	0.11490453	2E-06	7.25138E-05	0.00070161	0.001561906	1.70143E-20
2098 Nov	0.001019093	0.147683814	1E-05	1.490394354	2.852173805	0.052255712	0.000328836	5.328795433	0.001330716	0.010775503	0.000419055	0.000138028	7.88205E-05	0.113347933	2E-06	7.30507E-05	0.000682233	0.001544468	1.6245E-20
2098 Dec	0.001019073	0.147650719	1E-05	1.490172863	2.851537704	0.052229505	0.000328989	5.328166008	0.001330513	0.01077592	0.00041881	0.000137955	7.87968E-05	0.113323964	2E-06	7.3059E-05	0.000681934	0.0015442	1.62333E-20
2099 Jan	0.001019135	0.14766103	1E-05	1.490264535	2.85179472	0.052235302	0.000329022	5.328577042	0.001330565	0.010776258	0.000418796	0.000137946	7.87954E-05	0.11333371	2E-06	7.30629E-05	0.000681975	0.001544139	1.62292E-20
2099 Feb	0.001019226	0.147684559	1E-05	1.490452647	2.852325678	0.052250732	0.00032902	5.329314232	0.001330693	0.010776592	0.000418848	0.000137955	7.88004E-05	0.113353796	2E-06	7.30658E-05	0.000682118	0.001544136	1.62271E-20
2099 Mar	0.001019276	0.147697479	1E-05	1.490555763	2.852617025	0.052259199	0.000329019	5.329718113	0.001330764	0.010776777	0.000418877	0.000137959	7.88031E-05	0.113364808	2E-06	7.30674E-05	0.000682196	0.001544135	1.62259E-20
2099 Apr	0.001023029	0.148675099	1E-05	1.498366952	2.874679804	0.052900493	0.000328944	5.360319138	0.0013361	0.010790641	0.000421052	0.000138317	7.9011E-05	0.114199229	2E-06	7.31856E-05	0.000688113	0.001544023	1.6139E-20
2099 May	0.001112092	0.17536594	1E-05	1.703735471	3.459581375	0.070826761	0.000308551	6.133450508	0.001483542	0.01110201	0.000534111	0.000157168	8.98054E-05	0.136223838	2E-06	7.52199E-05	0.000866118	0.001584021	1.19756E-20
2099 Jun	0.001111772	0.178698927	1E-05	1.722644925	3.517725229	0.073422045	0.000290346	6.17679882	0.001503452	0.01108346	0.000565472	0.000167271	9.2608E-05	0.138328522	2E-06	7.44543E-05	0.000902375	0.001625748	9.95394E-21
2099 Jul	0.001100248	0.176063791	1E-05	1.698296309	3.451173306	0.071658909	0.000285801	6.079928875	0.001487801	0.011021215	0.000552044	0.000166884	9.11571E-05	0.135779709	2E-06	7.37141E-05	0.000885162	0.001627303	9.57259E-21
2099 Aug	0.001089629	0.172682241	1E-05	1.677404404	3.385660172	0.069601908	0.000290147	6.004684448	0.001471207	0.010938131	0.000534619	0.000162209	8.98665E-05	0.133443266	2E-06	7.32345E-05	0.000858043	0.001610244	9.16458E-21
2099 Sep	0.001074956	0.166578203	1E-05	1.639653325	3.269713402	0.065585576	0.000305282	5.877022266	0.001439651	0.010866181	0.000499871	0.000152677	8.70292E-05	0.129245639	2E-06	7.32305E-05	0.000809078	0.001576335	8.39532E-21
2099 Oct	0.001069331	0.161934271	1E-05	1.607161403	3.177074432	0.062014472	0.000322789	5.776841164	0.001411648	0.010903266	0.000469183	0.000144219	8.40421E-05	0.125745833	2E-06	7.40785E-05	0.000769936	0.001546258	7.74182E-21
2099 Nov	0.001066438	0.159534454	1E-05	1.590362072	3.129192829	0.060167756	0.000331853	5.725064754	0.001397168	0.010922687	0.000453318	0.000139846	8.24968E-05	0.123936549	2E-06	7.45192E-05	0.000749707	0.00153071	7.41266E-21
2099 Dec	0.001066402	0.159504995	1E-05	1.59015584	3.128605366	0.060145091	0.000331964	5.724429607	0.00139699	0.010922926	0.000453124	0.000139792	8.24779E-05	0.123914346	2E-06	7.45246E-05	0.000749459	0.001530519	7.40867E-21
2100 Jan	0.001066454	0.159512788	1E-05	1.590225577	3.128801584	0.060149252	0.000331994	5.724750042	0.001397028	0.010923221	0.000453105	0.000139783	8.24759E-05	0.123921767	2E-06	7.45281E-05	0.000749487	0.001530465	7.40687E-21
2100 Feb	0.001066536	0.159534425	1E-05	1.590397954	3.129288673	0.060163449	0.000331991	5.725423813	0.001397146	0.010923526	0.000453152	0.000139791	8.24804E-05	0.123940177	2E-06	7.45306E-05	0.000749618	0.001530465	7.40593E-21
2100 Mar	0.001066581	0.159546241	1E-05	1.590491891	3.12955451	0.060171194	0.00033199	5.725791454	0.00139721	0.010923694	0.000453178	0.000139796	8.24829E-05	0.123950213	2E-06	7.4532E-05	0.00074969	0.001530464	7.40542E-21
2100 Apr	0.001066607	0.159552962	1E-05	1.590545416	3.129705906	0.060175613	0.000331989	5.726001263	0.001397247	0.010923789	0.000453193	0.000139799	8.24843E-05	0.12395595	2E-06	7.45328E-05	0.000749731	0.001530464	7.40512E-21
2100 May	0.001086935	0.16743347	1E-05	1.647236586	3.293882847	0.065634683	0.000317637	5.924819946	0.001441352	0.010988526	0.000508449	0.000149526	8.77146E-05	0.130083978	2E-06	7.46114E-05	0.000809771	0.001562033	6.39991E-21
2100 Jun	0.001088546	0.174973592	1E-05	1.690413594	3.426767349	0.071388364	0.000279276	6.029887676	0.001485615	0.010964508	0.000573629	0.000171072	9.34604E-05	0.134891018	2E-06	7.31094E-05	0.000889303	0.001650285	4.36024E-21
2100 Jul	0.001065492	0.170341134	1E-05	1.648436904	3.311464548	0.068452381	0.000270416	5.854337692	0.001459941	0.010861151	0.000549756	0.000172732	9.08833E-05	0.130473688	2E-06	7.18795E-05	0.00086573	0.001665714	4.07595E-21
2100 Aug	0.001047438	0.16431044	1E-05	1.608614326	3.18978548	0.064637616	0.000276961	5.713340282	0.001428563	0.010714922	0.000516969	0.000163949	8.82753E-05	0.126082793	2E-06	7.09396E-05	0.000814854	0.001632292	3.75041E-21
2100 Sep	0.001035128	0.159765229	1E-05	1.582414389	3.106194735	0.061821666	0.000287026	5.622931957	0.001406525	0.0106309	0.00049152	0.000156843	8.63758E-05	0.123118952	2E-06	7.06885E-05	0.000778346	0.00160652	3.51747E-21
2100 Oct	0.001033877	0.15839462	1E-05	1.572947502	3.079206467	0.060748599	0.000292757	5.594752789	0.001398156	0.010645519	0.000481901	0.00015413	8.54372E-05	0.122098759	2E-06	7.09869E-05	0.000766438	0.001596664	3.43106E-21
2100 Nov	0.001033599	0.158087417	1E-05	1.570826054	3.073159218	0.060507976	0.000294044	5.588442802	0.00139628	0.010648821	0.000479744	0.000153521	8.52267E-05	0.121870153	2E-06	7.10541E-05	0.000763768	0.001594451	3.41178E-21
2100 Dec	0.001033581	0.158068046	1E-05	1.570692182	3.07277751	0.060492788	0.000294126	5.588044643	0.001396161	0.010649031	0.000479607	0.000153482	8.52134E-05	0.121855721	2E-06	7.10584E-05	0.000763599	0.001594311	3.41057E-21
2101 Jan	0.001033625	0.158074126	1E-05	1.570747733	3.072933674	0.060495898	0.000294153	5.588306904	0.00139619	0.010649288	0.000479588	0.000153474	8.52114E-05	0.121861622	2E-06	7.10614E-05	0.000763618	0.001594261	3.40992E-21
2101 Feb	0.001033691	0.158091098	1E-05	1.570883274	3.073317051	0.060506962	0.000294153	5.588840485	0.001396282	0.010649541	0.000479623	0.000153479	8.52147E-05	0.121876121	2E-06	7.10636E-05	0.0007637	0.001594257	3.40958E-21
2101 Mar	0.001033727	0.158100381	1E-05	1.570957422	3.073526859	0.060513008	0.000294153	5.589132786	0.001396332	0.01064968	0.000479643	0.000153482	8.52165E-05	0.121884041	2E-06	7.10648E-05	0.000763776	0.001594255	3.40939E-21
2101 Apr	0.00103382	0.158124253	1E-05	1.571148157	3.074065924	0.060528569	0.000294153	5.589883327	0.001396462	0.010650038	0.000479692	0.000153491	8.52212E-05	0.121904418	2E-06	7.10679E-05	0.000763919	0.001594249	3.40892E-21
2101 May	0.001056157	0.165776715	1E-05	1.627068758	3.235880613	0.06571307	0.000283812	5.792135239	0.00143867	0.010735305	0.000529509	0.000161522	8.99175E-05	0.127943963	2E-06	7.14444E-05	0.00081989	0.0016185	2.96787E-21

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.001065009	0.172015145	1E-05	1.666147709	3.35402894	0.070180126	0.000262485	5.909275055	0.001473858	0.010769382	0.000575598	0.000174847	9.39719E-05	0.132251725	2E-06	7.09938E-05	0.000877974	0.001670718	2.2715E-21
2101 Jul	0.001056883	0.170355931	1E-05	1.651094556	3.312771559	0.069118746	0.000259524	5.84656477	0.001464608	0.010734858	0.000566717	0.000175417	9.30087E-05	0.130668625	2E-06	7.05799E-05	0.000869549	0.001676195	2.21597E-21
2101 Aug	0.001053283	0.169099271	1E-05	1.642587662	3.287065744	0.068306014	0.000260929	5.816804886	0.001457891	0.010705968	0.000559626	0.000173524	9.24251E-05	0.129735887	2E-06	7.0393E-05	0.000858726	0.001668895	2.17745E-21
2101 Sep	0.001041716	0.163534537	1E-05	1.608529449	3.182578802	0.064552531	0.000277104	5.705870628	0.001428567	0.010656992	0.000525135	0.000163899	8.95422E-05	0.125949025	2E-06	7.0598E-05	0.00081249	0.001633753	2.00456E-21
2101 Oct	0.001039695	0.161155507	1E-05	1.592124104	3.13581562	0.062682651	0.000287222	5.657428741	0.001413988	0.010683285	0.000508034	0.000159097	8.7872E-05	0.124181241	2E-06	7.11285E-05	0.000791632	0.0016162	1.92146E-21
2101 Nov	0.001036865	0.157776639	1E-05	1.568829536	3.069423199	0.060024764	0.000301644	5.588737965	0.001393269	0.010721033	0.000483711	0.000152257	8.54958E-05	0.1216712	2E-06	7.18867E-05	0.000761975	0.001591184	1.80575E-21
2101 Dec	0.001036357	0.157163948	1E-05	1.564606071	3.057386637	0.059542529	0.000304265	5.576295853	0.001389511	0.010727929	0.000479296	0.000151014	8.50645E-05	0.121216126	2E-06	7.20248E-05	0.000756593	0.001586637	1.78506E-21
2102 Jan	0.001036437	0.157175452	1E-05	1.564710259	3.057679892	0.05954849	0.000304314	5.576783657	0.001389565	0.010728397	0.000479261	0.000150999	8.50609E-05	0.121227197	2E-06	7.20303E-05	0.000756631	0.001586547	1.78444E-21
2102 Feb	0.001036558	0.157206357	1E-05	1.564957142	3.058377981	0.059568632	0.000304314	5.577754974	0.001389733	0.010728858	0.000479325	0.000151009	8.50669E-05	0.12125358	2E-06	7.20343E-05	0.000756816	0.00158654	1.78412E-21
2102 Mar	0.001036624	0.15722315	1E-05	1.565091252	3.058757067	0.059579577	0.000304314	5.57828331	0.001389824	0.01072911	0.00047936	0.000151015	8.50702E-05	0.121267907	2E-06	7.20364E-05	0.000756917	0.001586535	1.78395E-21
2102 Apr	0.001036661	0.157232761	1E-05	1.565167904	3.058974028	0.059585836	0.000304314	5.578585148	0.001389876	0.010729252	0.00047938	0.000151018	8.50721E-05	0.121276103	2E-06	7.20377E-05	0.000756974	0.001586533	1.78385E-21
2102 May	0.001036704	0.157246396	1E-05	1.565269709	3.059266567	0.059594996	0.0003043	5.578961372	0.001389951	0.010729413	0.000479454	0.00015103	8.50791E-05	0.121287063	2E-06	7.20386E-05	0.00075707	0.001586565	1.78348E-21
2102 Jun	0.000926096	0.138157994	1E-05	1.388271928	2.575766325	0.04811462	0.000254155	4.797599316	0.001289492	0.010294898	0.000382452	0.000170259	7.42652E-05	0.102668077	2E-06	6.65393E-05	0.000689138	0.001713561	1.26045E-21
2102 Jul	0.000875185	0.128926009	1E-05	1.301877618	2.34035182	0.042408474	0.000230771	4.424384117	0.0012392	0.010080597	0.000334737	0.000177442	6.89473E-05	0.093602344	2E-06	6.38278E-05	0.000650261	0.001763537	1.01941E-21
2102 Aug	0.000871308	0.126972646	1E-05	1.291484356	2.305639267	0.041180287	0.000235713	4.393565655	0.001229381	0.010027707	0.000323673	0.000172675	6.82222E-05	0.092409432	2E-06	6.35974E-05	0.000630058	0.001743172	9.76918E-22
2102 Sep	0.000869899	0.124980785	1E-05	1.282508612	2.274607658	0.039824456	0.000245901	4.372845173	0.001219314	0.010014528	0.000310693	0.000166964	6.73081E-05	0.091349937	2E-06	6.38877E-05	0.000609656	0.001719787	9.30664E-22
2102 Oct	0.000876602	0.122256733	1E-05	1.267588019	2.230715752	0.03732096	0.000270089	4.352799416	0.001200848	0.010113511	0.000286909	0.000156211	6.50674E-05	0.089708351	2E-06	6.54815E-05	0.000576945	0.00167559	8.46768E-22
2102 Nov	0.000877095	0.122067928	1E-05	1.266564727	2.227701902	0.037146252	0.000271805	4.351515293	0.001199562	0.0101206	0.000285247	0.00015545	6.4911E-05	0.089595661	2E-06	6.55952E-05	0.000574652	0.001672455	8.40968E-22
2102 Dec	0.00087712	0.122058302	1E-05	1.266512632	2.227548599	0.03713733	0.000271893	4.351451397	0.001199496	0.010120966	0.000285162	0.000155411	6.4903E-05	0.089589939	2E-06	6.5601E-05	0.000574535	0.001672294	8.40673E-22
2103 Jan	0.000877187	0.122069679	1E-05	1.266612887	2.227829218	0.037143823	0.000271924	4.351896763	0.001199553	0.010121312	0.00028517	0.000155401	6.49038E-05	0.08960057	2E-06	6.5605E-05	0.000574581	0.001672232	8.4051E-22
2103 Feb	0.000877266	0.122089505	1E-05	1.266772509	2.228279352	0.037156705	0.000271927	4.352528095	0.001199661	0.010121612	0.00028522	0.000155407	6.49087E-05	0.089617603	2E-06	6.56077E-05	0.000574698	0.001672221	8.40426E-22
2103 Mar	0.000877309	0.122100316	1E-05	1.266859531	2.228524923	0.037163731	0.000271928	4.352872849	0.00119972	0.010121777	0.000285247	0.00015541	6.49113E-05	0.089626901	2E-06	6.56091E-05	0.000574762	0.001672215	8.40381E-22
2103 Apr	0.000877334	0.122106478	1E-05	1.266909122	2.228664875	0.037167739	0.000271929	4.353069305	0.001199753	0.01012187	0.000285263	0.000155412	6.49128E-05	0.089632191	2E-06	6.561E-05	0.000574798	0.001672212	8.40354E-22
2103 May	0.000909225	0.13143909	1E-05	1.338534832	2.433133841	0.043381594	0.000265705	4.624307632	0.001250922	0.010240559	0.000342521	0.000161733	7.0467E-05	0.097320668	2E-06	6.64237E-05	0.000636599	0.001685064	7.52148E-22
2103 Jun	0.000962751	0.149865076	1E-05	1.473799706	2.823584318	0.055914465	0.000240412	5.113465309	0.001352914	0.010433796	0.000459395	0.000180848	8.15236E-05	0.111915715	2E-06	6.72285E-05	0.000770703	0.001742053	5.0061E-22
2103 Jul	0.000946844	0.146110177	1E-05	1.438292384	2.727203369	0.05334492	0.000233669	4.973977089	0.001329927	0.010345033	0.000438189	0.000179947	7.92071E-05	0.108213671	2E-06	6.61422E-05	0.000744822	0.001742209	4.61293E-22
2103 Aug	0.000937294	0.141019255	1E-05	1.394132018	2.604110718	0.049440257	0.000234589	4.833738327	0.001294977	0.010212032	0.000406686	0.000168516	7.61412E-05	0.103591889	2E-06	6.48386E-05	0.000685319	0.001689665	4.09146E-22
2103 Sep	0.000937696	0.137754947	1E-05	1.376596093	2.549701452	0.046909787	0.00025445	4.793818474	0.001276129	0.010252376	0.000382238	0.000159176	7.40283E-05	0.101620063	2E-06	6.58652E-05	0.000652584	0.001652729	3.77746E-22
2103 Oct	0.000942702	0.133180067	1E-05	1.350327969	2.47222805	0.043010384	0.000287636	4.740644455	0.001247161	0.010374729	0.000344616	0.000144771	7.0499E-05	0.09872859	2E-06	6.79639E-05	0.000604763	0.00159582	3.3124E-22
2103 Nov	0.000944114	0.131912559	1E-05	1.343076706	2.450827837	0.041929364	0.000296891	4.726052761	0.00123914	0.010409068	0.000334173	0.000140772	6.95196E-05	0.097929955	2E-06	6.85514E-05	0.000591524	0.001580034	3.18737E-22
2103 Dec	0.000944133	0.131896213	1E-05	1.342983365	2.450551987	0.041915424	0.00029701	4.725864887	0.001239037	0.010409513	0.000334039	0.000140721	6.9507E-05	0.097919673	2E-06	6.8559E-05	0.000591354	0.00157983	3.18578E-22
2104 Jan	0.000944208	0.131909147	1E-05	1.343098998	2.450874805	0.041922938	0.000297047	4.726374149	0.001239103	0.010409909	0.000334042	0.000140711	6.95075E-05	0.097931921	2E-06	6.85636E-05	0.00059141	0.001579765	3.18501E-22
2104 Feb	0.000944303	0.13193351	1E-05	1.343295574	2.451428413	0.04193889	0.000297048	4.727147102	0.001239237	0.01041027	0.000334101	0.000140719	6.95132E-05	0.097952895	2E-06	6.85668E-05	0.000591556	0.001579758	3.18461E-22
2104 Mar	0.000944354	0.131946668	1E-05	1.34340179	2.451727629	0.041947503	0.000297049	4.727564812	0.001239309	0.010410464	0.000334133	0.000140723	6.95164E-05	0.097964212	2E-06	6.85685E-05	0.000591636	0.001579754	3.18439E-22
2104 Apr	0.000944383	0.131953999	1E-05	1.343460917	2.451894283	0.041952305	0.00029705	4.727797508	0.001239349	0.010410574	0.000334151	0.000140726	6.95181E-05	0.09797053	2E-06	6.85695E-05	0.00059168	0.001579752	3.18427E-22
2104 May	0.000984507	0.144692928	1E-05	1.441405535	2.730781078	0.050624952	0.000285569	5.089948654	0.001310815	0.010556695	0.000413319	0.000151537	7.72231E-05	0.108466707	2E-06	6.94864E-05	0.00068116	0.001608236	2.69124E-22
2104 Jun	0.001014918	0.157279849	1E-05	1.53363359	2.99616766	0.059511863	0.000262519	5.407753944	0.001383151	0.010659654	0.000495125	0.000168562	8.49888E-05	0.11839585	2E-06	6.96607E-05	0.000781798	0.001666908	1.96798E-22
2104 Jul	0.001002819	0.154562414	1E-05	1.508286953	2.927004337	0.057697378	0.000257381	5.306539059	0.001366969	0.01059303	0.000479936	0.000168273	8.33478E-05	0.115745336	2E-06	6.88591E-05	0.00076411	0.001668942	1.86575E-22
2104 Aug	0.000995222	0.15170975	1E-05	1.490064383	2.870505095	0.055875953	0.000261263	5.244986057	0.00135196	0.010518849	0.00046356	0.000163169	8.20803E-05	0.113726005	2E-06	6.83991E-05	0.000737772	0.001648164	1.77427E-22
2104 Sep	0.000986665	0.147064805	1E-05	1.465407133	2.790314198	0.052845851	0.000277793	5.169479847	0.001328903	0.010469601	0.000434321	0.000153719	7.9859E-05	0.110903241	2E-06	6.86618E-05	0.000697358	0.0016122	1.62839E-22
2104 Oct	0.000986792	0.142899692	1E-05	1.439231038	2.714333773	0.049459804	0.000301532	5.102381229	0.001303205	0.010546885	0.0004019	0.000143205	7.6765E-05	0.108050607	2E-06	7.00689E-05	0.000657991	0.001572213	1.47329E-22
2104 Nov	0.000986834	0.141713008	1E-05	1.431767464	2.692679405	0.048494473	0.000308302	5.083250523	0.001295879	0.010569041	0.000392657	0.00014021	7.58822E-05	0.107237384	2E-06	7.0471E-05	0.000646779	0.001560828	1.43013E-22
2104 Dec	0.000986835	0.141698405	1E-05	1.431675673	2.692412853	0.048482589	0.000308385	5.083014488	0.001295788	0.010569314	0.000392543	0.000140173	7.58713E-05	0.10722737	2E-06	7.0476E-05	0.000646641	0.001560688	1.42961E-22
2105 Jan	0.00098689	0.141707733	1E-05	1.431759119	2.692646027	0.04848792	0.000308413	5.083384991	0.001295836	0.010569615	0.000392537	0.000140165	7.58708E-05	0.107236221	2E-06	7.04795E-05	0.00064668	0.001560638	1.42932E-22
2105 Feb	0.000986965	0.141727075	1E-05	1.431914449	2.69308424	0.048500597	0.000308413	5.083994389	0.001295942	0.010569898	0.000392582	0.000140172	7.58751E-05	0.107252806	2E-06	7.04819E-05	0.000646797	0.001560635	1.42917E-22
2105 Mar	0.000987006	0.14173761	1E-05	1.431999087	2.693323374	0.048507512	0.000308413	5.084326744	0.001295999	0.010570053	0.000392606	0.000140176	7.58774E-05	0.107261844	2E-06	7.04833E-05	0.000646861	0.001560633	1.42909E-22
2105 Apr	0.000987029	0.141743615	1E-05	1.432047486	2.693459511	0.048511446	0.000308413	5.084516048	0.001296032	0.010570141	0.00039262	0.000140178	7.58788E-05	0.107267	2E-06	7.04841E-05	0.000646898	0.001560632	1.42905E-22
2105 May	0.001014666	0.150987118	1E-05	1.501901984	2.893257618	0.054836124	0.000297847	5.339150906	0.001347903	0.010669478	0.000450433	0.000149071	8.14476E-05	0.114769198	2E-06	7.101E-05	0.000713593	0.001586223	1.24818E-22
2105 Jun	0.001036741	0.160003856	1E-05	1.567374706	3.082272291	0.061163291	0.000281161	5.56541729	0.001399274	0.010744588	0.000508643	0.000161126	8.69385E-05	0.121830344	2E-06	7.11255E-05	0.000785038	0.001627389	1.01568E-22
2105 Jul	0.0010284	0.157692745	1E-05	1.544972777	3.021784067	0.059494454	0.000277256	5.481984615	0.001384091	0.010684699	0.000495112	0.000159299	8.54629E-05	0.119508207	2E-06	7.03925E-05	0.00076535	0.001620493	9.70972E-23
2105 Aug	0.001010766	0.151512206	1E-05	1.50265193	2.893868208	0.05549496	0.000282762	5.335175991	0.001350619	0.010523196	0.000459604	0.000149357	8.25562E-05	0.114876598	2E-06	6.92493E-05	0.000709529	0.001580494	8.71913E-23
2105 Sep	0.000996871	0.144190356	1E-05	1.461499572	2.763599634	0.050629716	0.000307901	5.205786228	0.001313388	0.010463918	0.000412771	0.000135532	7.88053E-05	0.110224254	2E-06	6.97496E-05	0.000647955	0.001529386	7.59397E-23
2105 Oct	0.000995968	0.140240997	1E-05	1.435599089	2.68947196	0.047426317	0.000328977	5.135367393	0.001288944	0.010537785	0.000382139	0.000126473	7.58149E-05	0.107419699	2E-06	7.10313E-05	0.000612379	0.001495952	6.89438E-23
2105 Nov	0.000995629	0.138672605	1E-05	1.425303102	2.660027027	0.046152331	0.000337377	5.107398033	0.001279225	0.010567546	0.000369955	0.000122873	7.46238E-05	0.106305137	2E-06	7.15445E-05	0.000598255	0.001482677	6.62224E-23
2105 Dec	0.000995625	0.138652965	1E-05	1.425174117	2.659658194	0.046136361	0.000337482	5.107048035	0.001279103	0.010567922	0.000369802	0.000122828	7.46088E-05	0.106291167	2E-06	7.15509E-05	0.000598079	0.001482511	6.61887E-23
2106 Jan	0.000995691	0.138664752	1E-05	1.425276041	2.659945726	0.046143182	0.000337512	5.10749197	0.001279163	0.010568289	0.000369798	0.000122822	7.46083E-05	0.106302023	2E-06	7.1555E-05	0.000598135	0.001482464	6.61724E-23
2106 Feb	0.000995782	0.138688624	1E-05	1.425466418	2.660483837	0.046158876	0.000337509	5.108233929	0.001279294	0.010568636	0.000369854	0.000122832	7.46136E-05	0.106322363	2E-06	7.1558E-05	0.000598282	0.001482467	6.6164E-23
2106 Mar	0.000995831	0.138701648	1E-05	1.42557013	2.66077733	0.046167433	0.000337508	5.108638763	0.001279365	0.010568824	0.000369885	0.000122837	7.46165E-05	0.106333449	2E-06	7.15595E-05	0.000598362	0.001482469	6.61593E-23
2106 Apr	0.000995859	0.138709068	1E-05	1.425629258	2.6609447	0.046172302	0.000337507	5.108869076	0.001279406	0.010568933	0.000369902	0.00012284	7.46182E-05	0.106339768	2E-06	7.15605E-05	0.000598408	0.001482469	6.61567E-23
2106 May	0.001005414	0.142117754	1E-05	1.450799942	2.73344636	0.048513755	0.000332704	5.198918343	0.001298519	0.010604564	0.00039134	0.000126636	7.66497E-05	0.109051533	2E-06	7.17111E-05	0.000623961	0.00149441	6.30972E-23
2106 Jun	0.001003516	0.150638089	1E-05	1.498539686	2.881797075	0.055146098	0.00028674	5.302803516	0.001349854	0.01058782	0.000453989	0.000154333	8.19014E-05	0.114377126	2E-06	7.00374E-05	0.000722213	0.001611731	4.25156E-23
2106 Jul	0.000978266	0.145801425	1E-05	1.452319264	2.756415606	0.052057736	0.000274239	5.10832119	0.001322243	0.010467177	0.000427893	0.000156778	7.8989E-05	0.109547175	2E-06	6.85013E-05	0.000697626	0.00163046	3.85329E-23
2106 Aug	0.000962896	0.140102059	1E-05	1.410249472	2.632425785	0.048213646	0.000277243	4.964953423	0.001289262	0.010310966	0.000394707	0.000146902	7.61318E-05	0.105008774	2E-06	6.72446E-05	0.000642369	0.001588766	3.43044E-23
2106 Sep	0.000950147	0.133750126	1E-05	1.377792954	2.524747849	0.044185858	0.000299296	4.864068031	0.001258804	0.01022939	0.000355478	0.000134265	7.3266E-05	0.101255566	2E-06	6.75002E-05	0.00058803	0.001540959	3.01163E-23
2106 Oct	0.000951081	0.132004678	1E-05	1.366767287	2.493216991	0.042707354	0.00031054	4.837469578	0.001247682	0.010275355	0.000341207	0.000129595	7.18681E-05	0.100059584	2E-06	6.82386E-05	0.000571313	0.001523259	2.86318E-23
2106 Nov	0.000951103	0.131966695	1E-05	1.366527796	2.492532015	0.042675108	0.000310787	4.836894512	0.00124744	0.010276372	0.000340896	0.000129492	7.18376E-05	0.100033589	2E-06	6.82549E-05	0.000570948	0.001522872	2.85998E-23
2106 Dec	0.000951108	0.131957799	1E-05	1.366471529	2.492371321	0.042667549	0.000310845	4.836760044	0.001247383	0.010276611	0.000340823	0.000129468	7.18305E-05	0.100027502	2E-06	6.82587E-05	0.000570863	0.001522781	2.85923E-23
2107 Jan	0.00095115	0.131965309	1E-05	1.366536498	2.492554426	0.042671874	0.000310864	4.837043285	0.001247421	0.010276849	0.000340823	0.000129464	7.18304E-05	0.100034408	2E-06	6.82614E-05	0.000570898	0.00152275	2.85882E-23
2107 Feb	0.000951205	0.13197957	1E-05	1.366650343	2.49287653	0.042681206	0.000310864	4.837488651	0.001247499	0.010277064	0.000340858	0.00012947	7.18337E-05	0.100046568	2E-06	6.82632E-05	0.000570986	0.00152275	2.85861E-23
2107 Mar	0.000951235	0.131987348	1E-05	1.366712332	2.493052006	0.042686298	0.000310863	4.837731838	0.001247542	0.010277181	0.000340876	0.000129473	7.18355E-05	0.100053206	2E-06	6.82642E-05	0.000571034	0.001522751	2.85849E-23
2107 Apr	0.000951252	0.131991774	1E-05	1.366747737	2.493152142	0.042689197	0.000310863	4.837870121	0.001247566	0.010277247	0.000340887	0.000129475	7.18365E-05	0.100056984	2E-06	6.82648E-05	0.000571061	0.001522751	2.85842E-23
2107 May	0.000968196	0.137620494	1E-05	1.408710122	2.613957882	0.0465037	0.000304547	4.990722656	0.001278853	0.010346049	0.000375689	0.000135105	7.51349E-05	0.104575463	2E-06	6.86477E-05	0.000612203	0.001539576	2.65652E-23
2107 Jun	0.000998522	0.150131866	1E-05	1.497364998	2.872716665	0.055186681	0.00028094	5.29460144	0.001349292	0.010474512	0.000455421	0.000153001	8.24642E-05	0.114179522	2E-06	6.89611E-05	0.000713983	0.001603016	2.03795E-23
2107 Jul	0.000987557	0.147258639	1E-05	1.468422174	2.795445204	0.053096782	0.000274972	5.185200214	0.001330133	0.010401479	0.000438579	0.000151328	8.0561E-05	0.111193523	2E-06	6.801E-05	0.000690479	0.001597313	1.91076E-23
2107 Aug	0.000983131	0.145582497	1E-05	1.455032706	2.757081985	0.051919769	0.000275266	5.139559269	0.001319857	0.010357305	0.000428618	0.00014848	7.96429E-05	0.109769046	2E-06	6.76146E-05	0.000673867	0.00158512	1.84407E-23
2107 Sep	0.000981852	0.143527851	1E-05	1.442726374	2.720237732	0.05035682	0.000285595	5.105797291	0.001308025	0.010378482	0.000413527	0.000143776	7.82738E-05	0.108409211	2E-06	6.81443E-05	0.000655415	0.001567524	1.75886E-23
2107 Oct	0.000982134	0.141174555	1E-05	1.427742124	2.67717576	0.048417311	0.000299456	5.067327499	0.001293361	0.010430238	0.000394843	0.000137939	7.64581E-05	0.106781639	2E-06	6.90176E-05	0.00063362	0.001545689	1.65611E-23
2107 Nov	0.000982255	0.140197694	1E-05	1.421525478	2.659307957	0.047612168	0.000305216	5.05137682	0.001287275	0.010451763	0.000387085	0.000135514	7.57044E-05	0.106106348	2E-06	6.93807E-05	0.000624573	0.001536622	1.61397E-23
2107 Dec	0.000982256	0.140183926	1E-05	1.421437979	2.659056425	0.047600821	0.000305297	5.051152229	0.001287189	0.010452067	0.000386976	0.00013548	7.56937E-05	0.106096826	2E-06	6.93858E-05	0.000624446	0.001536494	1.61338E-23
2108 Jan	0.000982312	0.140193641	1E-05	1.421523452	2.659296513	0.047606394	0.000305325	5.051527023	0.001287239	0.010452387	0.000386972	0.000135474	7.56933E-05	0.106105916	2E-06	6.93894E-05	0.000624491	0.00153645	1.61306E-23
2108 Feb	0.000982388	0.140213266	1E-05	1.42168045	2.65974021	0.047619242	0.000305324	5.052141666	0.001287346	0.01045268	0.000387018	0.000135482	7.56977E-05	0.10612268	2E-06	6.9392E-05	0.000624611	0.00153645	1.61289E-23
2108 Mar	0.000982429	0.14022392	1E-05	1.421765804	2.659981489	0.047626227	0.000305324	5.052476406	0.001287404	0.01045284	0.000387043	0.000135486	7.57001E-05	0.1061318	2E-06	6.93933E-05	0.000624676	0.00153645	1.6128E-23
2108 Apr	0.000982611	0.140271276	1E-05	1.422144771	2.661052704	0.047657255	0.000305323	5.053960323	0.001287663	0.010453549	0.000387153	0.000135504	7.57106E-05	0.106172279	2E-06	6.93995E-05	0.000624966	0.00153645	1.61239E-23

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.000985546	0.141122147	1E-05	1.428759336	2.679877281	0.048225038	0.000304875	5.079029083	0.001292366	0.010465071	0.000390645	0.000136074	7.60434E-05	0.106880896	2E-06	6.94851E-05	0.000630659	0.001537638	1.59969E-23
2108 Jun	0.000947654	0.138729602	1E-05	1.393295765	2.590710163	0.047532108	0.000268374	4.870448589	0.001283661	0.010326132	0.000386406	0.000155835	7.48031E-05	0.103271261	2E-06	6.70715E-05	0.000656157	0.001637797	1.1908E-23
2108 Jul	0.000931779	0.136030018	1E-05	1.367685676	2.521100044	0.045901243	0.000260483	4.75743866	0.001269227	0.010260732	0.000372387	0.000158657	7.32213E-05	0.10058555	2E-06	6.62243E-05	0.000646346	0.001655997	1.11908E-23
2108 Aug	0.000929021	0.134934619	1E-05	1.361357689	2.500647545	0.045221996	0.000262481	4.736741543	0.001263732	0.010230646	0.000366176	0.00015647	7.27834E-05	0.099870026	2E-06	6.60624E-05	0.000635969	0.001646968	1.09378E-23
2108 Sep	0.000927683	0.133403838	1E-05	1.353533149	2.475294352	0.044146132	0.000270003	4.716234684	0.001255697	0.010230157	0.0003557	0.000152657	7.19526E-05	0.098973379	2E-06	6.63425E-05	0.000621593	0.00163207	1.05451E-23
2108 Oct	0.000932086	0.129384324	1E-05	1.329868436	2.406301975	0.040689744	0.000299117	4.667044163	0.001229983	0.010344521	0.000322239	0.000140257	6.87611E-05	0.096381553	2E-06	6.82323E-05	0.000580156	0.00158348	9.32193E-24
2108 Nov	0.000933002	0.128593788	1E-05	1.325236559	2.39278841	0.040007945	0.000304914	4.657570362	0.001224916	0.010367407	0.000315635	0.000137789	6.81316E-05	0.095874004	2E-06	6.86096E-05	0.000571958	0.00157379	9.08518E-24
2108 Dec	0.000933016	0.128582656	1E-05	1.32517159	2.392598629	0.039998323	0.000304996	4.657438278	0.001224845	0.010367732	0.000315542	0.000137754	6.81228E-05	0.095866874	2E-06	6.8615E-05	0.000571842	0.001573652	9.08188E-24
2109 Jan	0.000933078	0.128593817	1E-05	1.325269461	2.39287281	0.040004849	0.000305024	4.657864571	0.001224902	0.010368063	0.000315547	0.000137748	6.81233E-05	0.095877267	2E-06	6.86187E-05	0.000571893	0.001573603	9.08006E-24
2109 Feb	0.000933157	0.128614083	1E-05	1.325431824	2.393331289	0.040018115	0.000305024	4.658502102	0.001225013	0.010368361	0.000315597	0.000137755	6.81281E-05	0.095894612	2E-06	6.86213E-05	0.000572016	0.0015736	9.07912E-24
2109 Mar	0.000933199	0.128625095	1E-05	1.325520396	2.393580914	0.040025339	0.000305024	4.658848763	0.001225073	0.010368523	0.000315625	0.000137759	6.81308E-05	0.095904052	2E-06	6.86227E-05	0.000572083	0.001573598	9.0786E-24
2109 Apr	0.000933241	0.128635824	1E-05	1.325606465	2.3938241	0.040032368	0.000305024	4.65918684	0.001225132	0.010368682	0.000315651	0.000137763	6.81333E-05	0.095913254	2E-06	6.86241E-05	0.000572148	0.001573597	9.0781E-24
2109 May	0.000960744	0.137502149	1E-05	1.39296937	2.586346149	0.046058502	0.000296115	4.907205582	0.00127464	0.010469545	0.00037056	0.000145656	7.34324E-05	0.103145368	2E-06	6.92132E-05	0.000634891	0.001595098	8.11911E-24
2109 Jun	0.000996619	0.150493458	1E-05	1.48923099	2.863064289	0.055029936	0.000277269	5.250488758	0.001347867	0.010597655	0.000452875	0.000160286	8.12704E-05	0.113507204	2E-06	6.9716E-05	0.000732602	0.001641286	6.39665E-24
2109 Jul	0.000985174	0.147273421	1E-05	1.45712626	2.776915312	0.052666709	0.000270973	5.131855488	0.001326108	0.010508645	0.000434053	0.000157491	7.91875E-05	0.110192776	2E-06	6.85986E-05	0.00070383	0.001629934	5.94105E-24
2109 Aug	0.000977409	0.144072369	1E-05	1.427253246	2.695181608	0.050224047	0.00026837	5.031638145	0.001303794	0.010416507	0.000414609	0.000151586	7.7193E-05	0.10709247	2E-06	6.75778E-05	0.000668218	0.00160273	5.50182E-24
2109 Sep	0.000974977	0.140894875	1E-05	1.409715891	2.640594006	0.04790454	0.000284252	4.984401703	0.001286392	0.010433268	0.000392086	0.000144055	7.52763E-05	0.105119072	2E-06	6.82914E-05	0.000639282	0.001574054	5.11346E-24
2109 Oct	0.000976702	0.135439634	1E-05	1.376865506	2.544435978	0.043429442	0.000318507	4.904964447	0.001252894	0.010553885	0.000348763	0.000129555	7.11735E-05	0.101517558	2E-06	7.04173E-05	0.000587356	0.001518926	4.39695E-24
2109 Nov	0.000976877	0.134885728	1E-05	1.373535991	2.534685612	0.042975206	0.000321993	4.89691782	0.001249496	0.010566198	0.000344363	0.000128084	7.07569E-05	0.101152405	2E-06	7.06341E-05	0.000582093	0.00151334	4.32652E-24
2109 Dec	0.000976881	0.134874433	1E-05	1.373467922	2.534486532	0.042965923	0.000322065	4.896753311	0.001249427	0.010566452	0.000344273	0.000128054	7.07484E-05	0.101144947	2E-06	7.06385E-05	0.000581986	0.001513226	4.3251E-24
2110 Jan	0.000976933	0.134883821	1E-05	1.373551488	2.534719467	0.042971507	0.000322088	4.8971138	0.001249476	0.010566727	0.000344275	0.000128049	7.07486E-05	0.101153791	2E-06	7.06417E-05	0.000582031	0.001513187	4.32431E-24
2110 Feb	0.000977001	0.134901732	1E-05	1.373695254	2.535124779	0.042983297	0.000322087	4.897675514	0.001249575	0.010566983	0.000344318	0.000128056	7.07528E-05	0.101169132	2E-06	7.06439E-05	0.000582141	0.001513188	4.32391E-24
2110 Mar	0.000977038	0.134911507	1E-05	1.373773932	2.535346746	0.042989746	0.000322087	4.897982121	0.001249628	0.010567123	0.000344342	0.00012806	7.07551E-05	0.101177521	2E-06	7.06451E-05	0.000582201	0.001513188	4.32369E-24
2110 Apr	0.00097706	0.13491708	1E-05	1.373818755	2.53547287	0.042993419	0.000322087	4.898157597	0.001249659	0.010567203	0.000344356	0.000128062	7.07564E-05	0.101182297	2E-06	7.06458E-05	0.000582235	0.001513188	4.32356E-24
2110 May	0.000984817	0.137596726	1E-05	1.394196749	2.593587637	0.044846017	0.000318866	4.971797943	0.001264876	0.010594487	0.000361233	0.000130785	7.23912E-05	0.103367388	2E-06	7.07855E-05	0.000601957	0.001521348	4.17642E-24
2110 Jun	0.001008507	0.151873663	1E-05	1.494505882	2.8845613	0.055341624	0.000279584	5.289288044	0.001349458	0.010659361	0.000457887	0.000157334	8.14077E-05	0.114202924	2E-06	7.01363E-05	0.000730387	0.001622824	2.81726E-24
2110 Jul	0.000990527	0.148219213	1E-05	1.460030198	2.790574551	0.052976724	0.000270916	5.14730978	0.001328266	0.010563434	0.000438046	0.000158128	7.92412E-05	0.110596962	2E-06	6.89569E-05	0.000709187	0.001631428	2.61257E-24
2110 Aug	0.000961892	0.137694091	1E-05	1.384168029	2.564884901	0.045969851	0.000277224	4.888823986	0.001268402	0.010267398	0.000377299	0.000139713	7.41338E-05	0.102376558	2E-06	6.66358E-05	0.00060744	0.001553766	2.09808E-24
2110 Sep	0.000955421	0.131079867	1E-05	1.349181294	2.453761578	0.041283816	0.000309761	4.792695045	0.001233573	0.010289417	0.000331297	0.00012463	7.03354E-05	0.098397188	2E-06	6.80394E-05	0.000549118	0.001497183	1.78579E-24
2110 Oct	0.000958541	0.126032501	1E-05	1.319083691	2.366278887	0.037048876	0.000344363	4.722866058	0.001202231	0.010431169	0.000289883	0.000110937	6.63517E-05	0.095099509	2E-06	7.03511E-05	0.000501618	0.001445824	1.51544E-24
2110 Nov	0.000959255	0.12502256	1E-05	1.313076138	2.348842621	0.036196299	0.00035143	4.709127426	0.001195934	0.010460838	0.000281534	0.000108166	6.55463E-05	0.094441421	2E-06	7.08289E-05	0.000492089	0.001435433	1.46289E-24
2110 Dec	0.000959266	0.12500757	1E-05	1.312987089	2.348584175	0.036183633	0.000351535	4.708924294	0.00119584	0.010461283	0.00028141	0.000108125	6.55344E-05	0.094431661	2E-06	7.0836E-05	0.000491947	0.001435278	1.46212E-24
2111 Jan	0.000959337	0.125021502	1E-05	1.313106775	2.348920345	0.036192052	0.000351562	4.709428787	0.001195914	0.010461664	0.000281421	0.000108121	6.55355E-05	0.094444372	2E-06	7.08402E-05	0.000492021	0.00143524	1.46177E-24
2111 Feb	0.000959428	0.125045881	1E-05	1.313301325	2.349470139	0.036208149	0.000351559	4.710184574	0.001196048	0.010462011	0.000281484	0.000108132	6.55414E-05	0.094465144	2E-06	7.08431E-05	0.000492173	0.001435248	1.46159E-24
2111 Mar	0.000959478	0.125059217	1E-05	1.313407779	2.349771023	0.036216967	0.000351557	4.710597992	0.001196121	0.010462201	0.000281518	0.000108138	6.55447E-05	0.094476528	2E-06	7.08447E-05	0.000492257	0.001435252	1.46149E-24
2111 Apr	0.000959507	0.125066817	1E-05	1.313468575	2.349942446	0.036221988	0.000351556	4.710833549	0.001196163	0.010462309	0.000281537	0.000108142	6.55466E-05	0.09448301	2E-06	7.08456E-05	0.000492304	0.001435254	1.46143E-24
2111 May	0.000976552	0.131182566	1E-05	1.359283805	2.48123765	0.040454969	0.000343281	4.874542236	0.001230843	0.010524871	0.000320127	0.000114938	6.92415E-05	0.099406019	2E-06	7.11297E-05	0.000538433	0.001456742	1.35848E-24
2111 Jun	0.001017882	0.149723381	1E-05	1.492823839	2.867447853	0.053631313	0.000305015	5.32494688	0.001337789	0.010670376	0.000440878	0.00014274	8.05689E-05	0.113812931	2E-06	7.11831E-05	0.000692142	0.001556564	9.55149E-25
2111 Jul	0.001008114	0.147968218	1E-05	1.475804448	2.821341515	0.052534845	0.000299673	5.252010345	0.0013279	0.010622521	0.000431671	0.000143996	7.95313E-05	0.112035722	2E-06	7.05658E-05	0.00068388	0.001565085	9.19799E-25
2111 Aug	0.000987923	0.14124912	1E-05	1.428262234	2.678678036	0.048199125	0.000302643	5.085249901	0.001291019	0.010425264	0.000393757	0.000133426	7.64102E-05	0.106858782	2E-06	6.90171E-05	0.000622166	0.001521686	8.00787E-25
2111 Sep	0.000975745	0.136568397	1E-05	1.404992938	2.599605799	0.045425225	0.000315823	5.007109642	0.001270033	0.01033432	0.000366613	0.000125296	7.45698E-05	0.104137518	2E-06	6.88826E-05	0.000584407	0.001491793	7.29477E-25
2111 Oct	0.000976287	0.133172229	1E-05	1.383219361	2.537434578	0.042604648	0.0003363	4.950941563	0.001248794	0.010417834	0.000339346	0.000117055	7.18882E-05	0.101776704	2E-06	7.02299E-05	0.000553659	0.001461496	6.6102E-25
2111 Nov	0.000976705	0.130924672	1E-05	1.368793368	2.496287823	0.04073349	0.00034993	4.913824558	0.001234708	0.010474043	0.000321255	0.000111586	7.0106E-05	0.100213185	2E-06	7.11313E-05	0.000533294	0.001441391	6.16732E-25
2111 Dec	0.000976718	0.130857825	1E-05	1.368363857	2.495063782	0.04067773	0.000350338	4.912721634	0.001234288	0.010475736	0.000320716	0.000111423	7.00528E-05	0.100166649	2E-06	7.11583E-05	0.000532688	0.001440791	6.15437E-25
2112 Jan	0.000976797	0.130873159	1E-05	1.368494153	2.495431662	0.040686876	0.000350368	4.913273811	0.001234368	0.010476175	0.000320724	0.000111419	7.00533E-05	0.100180514	2E-06	7.1163E-05	0.000532769	0.001440749	6.15265E-25
2112 Feb	0.000976903	0.130901515	1E-05	1.368719339	2.496068954	0.040705558	0.000350363	4.914147854	0.001234523	0.010476582	0.000320794	0.000111431	7.006E-05	0.10020458	2E-06	7.11664E-05	0.000532946	0.001440759	6.15175E-25
2112 Mar	0.000976961	0.130916908	1E-05	1.368841529	2.4964149	0.040715691	0.00035036	4.914622307	0.001234607	0.010476802	0.000320833	0.000111438	7.00636E-05	0.10021764	2E-06	7.11682E-05	0.000533042	0.001440764	6.15126E-25
2112 Apr	0.000976993	0.130925491	1E-05	1.368909597	2.496607542	0.040721346	0.000350359	4.914886951	0.001234654	0.010476925	0.000320854	0.000111442	7.00656E-05	0.100224927	2E-06	7.11693E-05	0.000533096	0.001440767	6.15099E-25
2112 May	0.001000844	0.139613658	1E-05	1.432899117	2.681058168	0.046707995	0.000337642	5.142412186	0.001283524	0.010567311	0.000375606	0.000121515	7.52427E-05	0.107120082	2E-06	7.15361E-05	0.000599138	0.001473221	5.5142E-25
2112 Jun	0.001028048	0.157021016	1E-05	1.549110293	3.024670601	0.059327345	0.000285273	5.50181675	0.001384359	0.010666284	0.000492431	0.000156299	8.57426E-05	0.119786069	2E-06	7.06642E-05	0.000759222	0.001608532	3.43691E-25
2112 Jul	0.000999012	0.151665196	1E-05	1.498701096	2.887433052	0.055985488	0.000271581	5.285913467	0.001354755	0.010537717	0.000463773	0.000159958	8.25589E-05	0.114502609	2E-06	6.90391E-05	0.000735051	0.001634642	3.10578E-25
2112 Aug	0.000992832	0.149540663	1E-05	1.486417651	2.847810745	0.054705415	0.000275075	5.243222713	0.001344518	0.010482349	0.00045184	0.00015647	8.17048E-05	0.113111034	2E-06	6.87471E-05	0.000716956	0.001621167	2.9974E-25
2112 Sep	0.000986341	0.14653179	1E-05	1.470020771	2.794803143	0.052780416	0.000284421	5.190545559	0.001329756	0.01044279	0.000433286	0.000150889	8.02949E-05	0.11124064	2E-06	6.88084E-05	0.000691649	0.001600323	2.83794E-25
2112 Oct	0.000986046	0.144730538	1E-05	1.458245158	2.761041164	0.051316082	0.000294084	5.158947468	0.001318563	0.01047552	0.000419292	0.000146631	7.89343E-05	0.109965198	2E-06	6.93858E-05	0.000675086	0.001584393	2.72013E-25
2112 Nov	0.000985992	0.144378126	1E-05	1.455942392	2.754438877	0.051029418	0.00029598	5.152777672	0.001316372	0.010481954	0.000416552	0.000145796	7.86679E-05	0.109715775	2E-06	6.94991E-05	0.000671842	0.001581267	2.69726E-25
2112 Dec	0.000985991	0.144365117	1E-05	1.455857396	2.754195213	0.05101883	0.00029605	5.152550697	0.001316291	0.010482193	0.000416451	0.000145765	7.86581E-05	0.109706566	2E-06	6.95033E-05	0.000671723	0.001581151	2.69642E-25
2113 Jan	0.000986036	0.144372717	1E-05	1.455924749	2.754384279	0.051023092	0.000296074	5.152850628	0.001316329	0.010482452	0.000416444	0.000145759	7.86573E-05	0.109713711	2E-06	6.95063E-05	0.000671755	0.00158111	2.69596E-25
2113 Feb	0.000986099	0.144389004	1E-05	1.456054926	2.754752398	0.051033743	0.000296073	5.153361797	0.001316418	0.010482695	0.000416481	0.000145765	7.86608E-05	0.109727629	2E-06	6.95084E-05	0.000671854	0.001581109	2.69572E-25
2113 Mar	0.000986134	0.14439787	1E-05	1.456125975	2.754952669	0.051039543	0.000296073	5.15364027	0.001316466	0.010482827	0.000416501	0.000145768	7.86627E-05	0.109735206	2E-06	6.95096E-05	0.000671908	0.001581107	2.69559E-25
2113 Apr	0.000986153	0.144402936	1E-05	1.456166387	2.75506711	0.051042851	0.000296073	5.15379858	0.001316494	0.010482903	0.000416512	0.00014577	7.86638E-05	0.109739527	2E-06	6.95102E-05	0.000671938	0.001581107	2.69552E-25
2113 May	0.001003472	0.150181293	1E-05	1.499278784	2.879034042	0.054967962	0.000289342	5.310844898	0.001348638	0.01054958	0.000452371	0.000151483	8.20752E-05	0.114380583	2E-06	6.98626E-05	0.000713879	0.001597905	2.47624E-25
2113 Jun	0.001030263	0.161788881	1E-05	1.580930948	3.117455482	0.06308268	0.00026523	5.587725639	0.001414199	0.010652889	0.000527112	0.000168695	8.89525E-05	0.123231381	2E-06	6.99466E-05	0.00080896	0.001659245	1.83919E-25
2113 Jul	0.001018969	0.158724263	1E-05	1.551477313	3.037906885	0.060884558	0.000260441	5.476983547	0.001394362	0.010579782	0.000509049	0.000166637	8.69775E-05	0.120174155	2E-06	6.90495E-05	0.000784155	0.001652291	1.73674E-25
2113 Aug	0.00101192	0.156101882	1E-05	1.531169176	2.979235888	0.059070043	0.000261531	5.40727663	0.001378721	0.01051493	0.00049345	0.000162367	8.55604E-05	0.118002199	2E-06	6.85028E-05	0.000759156	0.001634514	1.65757E-25
2113 Sep	0.001005546	0.151914522	1E-05	1.506520748	2.903323889	0.056142159	0.000277437	5.332399368	0.001356253	0.010504598	0.000465361	0.000154043	8.31746E-05	0.115250587	2E-06	6.90025E-05	0.000723096	0.001603578	1.53606E-25
2113 Oct	0.001003207	0.145015806	1E-05	1.461422563	2.773611307	0.050606832	0.000312926	5.208698273	0.001313873	0.010616964	0.000412484	0.000138284	7.80609E-05	0.110360198	2E-06	7.10653E-05	0.000660601	0.001545001	1.31771E-25
2113 Nov	0.001002482	0.14277409	1E-05	1.446786046	2.731510639	0.048806649	0.000324521	5.168642521	0.001300097	0.01065393	0.000395281	0.000133149	7.63971E-05	0.108772859	2E-06	7.17415E-05	0.00064028	0.001525907	1.24935E-25
2113 Dec	0.001002475	0.142751008	1E-05	1.446635604	2.731077433	0.048788104	0.00032464	5.168230057	0.001299955	0.010654313	0.000395104	0.000133096	7.63799E-05	0.108756527	2E-06	7.17485E-05	0.000640071	0.00152571	1.24865E-25
2114 Jan	0.001002537	0.142761663	1E-05	1.446729779	2.731341362	0.048794203	0.000324671	5.168646336	0.00130001	0.010654657	0.000395095	0.000133088	7.63791E-05	0.108766526	2E-06	7.17524E-05	0.000640118	0.001525657	1.24836E-25
2114 Feb	0.001002624	0.142784342	1E-05	1.446911097	2.731853724	0.048809078	0.00032467	5.169355392	0.001300134	0.010654985	0.000395147	0.000133097	7.6384E-05	0.10878589	2E-06	7.17553E-05	0.000640256	0.001525657	1.2482E-25
2114 Mar	0.001002671	0.142796695	1E-05	1.447009921	2.732132912	0.048817191	0.000324669	5.169741631	0.001300201	0.010655165	0.000395175	0.000133101	7.63867E-05	0.108796448	2E-06	7.17568E-05	0.000640332	0.001525657	1.24812E-25
2114 Apr	0.001002698	0.142803729	1E-05	1.447066307	2.732291937	0.048821818	0.000324668	5.169962406	0.00130024	0.010655266	0.000395191	0.000133104	7.63882E-05	0.108802475	2E-06	7.17577E-05	0.000640375	0.001525656	1.24807E-25
2114 May	0.001026371	0.151113361	1E-05	1.50900352	2.910068989	0.054536801	0.000313472	5.392778873	0.001346937	0.010739258	0.000447452	0.000141924	8.13823E-05	0.115465537	2E-06	7.21245E-05	0.000701775	0.00155256	1.10379E-25
2114 Jun	0.00104702	0.160585463	1E-05	1.576103687	3.104999542	0.061254483	0.000292387	5.617945671	0.001401145	0.010806414	0.000509335	0.000156354	8.71452E-05	0.122723751	2E-06	7.20218E-05	0.000779994	0.001604182	8.7614E-26
2114 Jul	0.001038444	0.158588439	1E-05	1.556960225	3.053121328	0.059887595	0.000288306	5.542733192	0.001388806	0.010755138	0.000498034	0.000155857	8.59071E-05	0.120731071	2E-06	7.13888E-05	0.000765893	0.001603964	8.44133E-26
2114 Aug	0.001034434	0.157233074	1E-05	1.54729712	3.024309635	0.059003334	0.000289094	5.508806229	0.001381324	0.010718953	0.000490253	0.000153795	8.52509E-05	0.119680837	2E-06	7.11115E-05	0.000753712	0.001595676	8.24864E-26
2114 Sep	0.001024158	0.151800826	1E-05	1.515291691	2.925024986	0.055327248	0.000307052	5.407245159	0.001352949	0.010681612	0.000455083	0.000143832	8.23299E-05	0.116099045	2E-06	7.1487E-05	0.000708196	0.001559104	7.48115E-26
2114 Oct	0.001021434	0.147351623	1E-05	1.485678434	2.839996099	0.051808003	0.000328123	5.322781086	0.001325837	0.010742775	0.000421602	0.000134314	7.90868E-05	0.112892717	2E-06	7.2663E-05	0.000668841	0.001524172	6.78323E-26
2114 Nov	0.001019232	0.143728659	1E-05	1.461557269	2.770752192	0.048940934	0.000345302	5.254002571	0.00130375	0.010792882	0.000394324	0.000126561	7.64434E-05	0.110281251	2E-06	7.36235E-05	0.000636796	0.001495724	6.235E-26
2114 Dec	0.001019138	0.143575087	1E-05	1.460534692	2.767816782	0.048819385	0.000346031	5.251087189	0.001302814	0.010795012	0.000393167	0.000126232	7.63313E-05	0.110170551	2E-06	7.36643E-05	0.000635437	0.001494518	6.21218E-26
2115 Jan	0.001019211	0.143588096	1E-05	1.460648298	2.768135548	0.048826955	0.000346064	5.251582146	0.00130288	0.010795403	0.000393158	0.000126224	7.63303E-05	0.110182621	2E-06	7.36687E-05	0.000635497	0.001494461	6.21037E-26
2115 Feb	0.001019316	0.143615842	1E-05	1.460869431	2.768760443	0.048845239	0.00034606	5.252444267	0.001303032	0.010795789	0.000393222	0.000126236	7.63364E-05	0.110206246	2E-06	7.36719E-05	0.000635668	0.001494464	6.20943E-26
2115 Mar	0.001019373	0.143631011	1E-05	1.460990429	2.769102335	0.048855234	0.000346057	5.252915382	0.001303116	0.010795999	0.000393257	0.000126242	7.63397E-05	0.110219166	2E-06	7.36737E-05	0.000635761	0.001494466	6.20892E-26

Appendix D.2-9: SUMPP4

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.001019406	0.143639654	1E-05	1.461059332	2.769296885	0.048860922	0.000346056	5.253183842	0.001303163	0.010796119	0.000393276	0.000126246	7.63416E-05	0.110226527	2E-06	7.36747E-05	0.000635814	0.001494467	6.20862E-26
2115 May	0.001041687	0.151941702	1E-05	1.522269249	2.94522047	0.054624751	0.00033277	5.470237732	0.001350026	0.010867376	0.00044618	0.000135793	8.13878E-05	0.116817787	2E-06	7.38645E-05	0.000698212	0.00152458	5.47849E-26
2115 Jun	0.001059717	0.159573808	1E-05	1.577196002	3.103945971	0.060003951	0.00031727	5.658732414	0.001393482	0.010920529	0.000495753	0.000146223	8.60625E-05	0.12274763	2E-06	7.38245E-05	0.000758615	0.001560122	4.70844E-26
2115 Jul	0.001052388	0.157463744	1E-05	1.555996776	3.047091246	0.058444075	0.000312949	5.581083298	0.00137903	0.010858874	0.0004834	0.000144164	8.46978E-05	0.120561786	2E-06	7.30521E-05	0.000738966	0.001551331	4.51479E-26
2115 Aug	0.001030104	0.1504509	1E-05	1.506716132	2.899013042	0.053984474	0.000315898	5.404453754	0.001341357	0.010659876	0.000444017	0.000134281	8.14473E-05	0.115184717	2E-06	7.15103E-05	0.00067794	0.001512379	3.99535E-26
2115 Sep	0.001016641	0.145915508	1E-05	1.482517481	2.818771362	0.051328082	0.000325573	5.318918705	0.001320837	0.010557642	0.000418407	0.000127399	7.96707E-05	0.112393923	2E-06	7.11415E-05	0.00064247	0.00148768	3.70121E-26
2115 Oct	0.001015694	0.14443329	1E-05	1.472509861	2.790252447	0.050149098	0.00033262	5.290000916	0.001311769	0.010580836	0.000407171	0.000124359	7.85664E-05	0.111313216	2E-06	7.1556E-05	0.000629717	0.001476782	3.57538E-26
2115 Nov	0.001014284	0.142181024	1E-05	1.457294583	2.746917963	0.048355319	0.000343372	5.246076584	0.001297976	0.010616639	0.000390071	0.000119735	7.68841E-05	0.109670475	2E-06	7.21916E-05	0.000610343	0.001460218	3.38722E-26
2115 Dec	0.001014183	0.142017469	1E-05	1.456189036	2.743771076	0.04822493	0.000344155	5.242887497	0.001296974	0.010619268	0.000388828	0.000119399	7.67617E-05	0.109551139	2E-06	7.22381E-05	0.000608936	0.001459015	3.37371E-26
2116 Jan	0.001014264	0.142032221	1E-05	1.456315994	2.744129181	0.04823352	0.00034419	5.24343586	0.001297049	0.010619725	0.000388819	0.000119392	7.67606E-05	0.10956464	2E-06	7.22431E-05	0.000609009	0.001458962	3.37262E-26
2116 Feb	0.001014381	0.142063454	1E-05	1.456564069	2.744831085	0.048254084	0.000344185	5.244400501	0.00129722	0.010620169	0.000388892	0.000119406	7.67674E-05	0.109591149	2E-06	7.22468E-05	0.000609203	0.00145897	3.37205E-26
2116 Mar	0.001014444	0.142080396	1E-05	1.456698656	2.74521184	0.048265241	0.000344182	5.244923115	0.001297313	0.010620411	0.000388931	0.000119414	7.67711E-05	0.109605536	2E-06	7.22488E-05	0.000609309	0.001458975	3.37174E-26
2116 Apr	0.00101448	0.142089829	1E-05	1.45677352	2.745423794	0.048271447	0.000344181	5.245214462	0.001297365	0.010620546	0.000388953	0.000119418	7.67732E-05	0.109613538	2E-06	7.22499E-05	0.000609367	0.001458977	3.37157E-26
2116 May	0.001032083	0.148722708	1E-05	1.505173683	2.885234594	0.052858207	0.000333507	5.415826321	0.001334693	0.010685336	0.000431001	0.000127488	8.07329E-05	0.114834838	2E-06	7.24595E-05	0.000660355	0.001485473	3.06433E-26
2116 Jun	0.001053821	0.163046584	1E-05	1.600017786	3.166255474	0.063250683	0.000289014	5.707337379	0.001417508	0.010759634	0.000527457	0.000156456	8.93784E-05	0.125184804	2E-06	7.16258E-05	0.000792274	0.001598165	2.03303E-26
2116 Jul	0.001036642	0.159950942	1E-05	1.571359873	3.087924004	0.06135447	0.000281355	5.58298254	0.001400866	0.010688175	0.000510986	0.000158939	8.75614E-05	0.122172192	2E-06	7.07335E-05	0.000779619	0.001615416	1.92937E-26
2116 Aug	0.001031084	0.158134162	1E-05	1.560544014	3.053472996	0.06025961	0.000284007	5.544518471	0.001392087	0.010642104	0.000500791	0.000156235	8.68096E-05	0.120953605	2E-06	7.04805E-05	0.000764732	0.001605309	1.87709E-26
2116 Sep	0.001022196	0.152191162	1E-05	1.523104429	2.9415555	0.055980697	0.000305906	5.428852081	0.001358948	0.010645836	0.000460081	0.000145059	8.316E-05	0.116832368	2E-06	7.12747E-05	0.00071448	0.001564671	1.68215E-26
2116 Oct	0.001017671	0.145463109	1E-05	1.477482319	2.811343431	0.050645996	0.000336872	5.296976089	0.001317694	0.010738119	0.000409486	0.000131044	7.82121E-05	0.111907572	2E-06	7.30091E-05	0.000655457	0.00151358	1.45051E-26
2116 Nov	0.001017032	0.144470617	1E-05	1.4707582	2.792153835	0.049857665	0.000341476	5.277609825	0.0013116	0.010751957	0.000402009	0.000128961	7.74807E-05	0.111181743	2E-06	7.32679E-05	0.000646722	0.001505972	1.41763E-26
2116 Dec	0.001017021	0.144454405	1E-05	1.470648408	2.791840315	0.04984479	0.000341551	5.277294159	0.0013115	0.010752183	0.000401887	0.000128927	7.74687E-05	0.11116989	2E-06	7.32721E-05	0.000646579	0.001505848	1.4171E-26
2117 Jan	0.001017073	0.144463345	1E-05	1.470726132	2.792059183	0.049849916	0.000341574	5.277635098	0.001311545	0.010752465	0.000401878	0.000128921	7.74678E-05	0.111178152	2E-06	7.32752E-05	0.00064662	0.001505807	1.4168E-26
2117 Feb	0.001017147	0.144482866	1E-05	1.470881224	2.792498112	0.049862746	0.000341572	5.278240204	0.001311652	0.01075274	0.000401922	0.000128929	7.7472E-05	0.111194745	2E-06	7.32775E-05	0.00064674	0.001505809	1.41665E-26
2117 Mar	0.001017187	0.144493535	1E-05	1.470965981	2.792737961	0.049869753	0.00034157	5.278570652	0.00131171	0.010752891	0.000401946	0.000128934	7.74743E-05	0.111203797	2E-06	7.32788E-05	0.000646805	0.00150581	1.41657E-26
2117 Apr	0.00101721	0.1444996	1E-05	1.47101438	2.792874336	0.049873747	0.000341569	5.278759003	0.001311744	0.010752977	0.00040196	0.000128936	7.74756E-05	0.11120896	2E-06	7.32795E-05	0.000646843	0.001505811	1.41652E-26
2117 May	0.001032039	0.149976104	1E-05	1.51107645	2.908401489	0.053654157	0.000332813	5.421026707	0.001342446	0.010802735	0.000436705	0.00013524	8.07659E-05	0.115529649	2E-06	7.34209E-05	0.000687942	0.001525711	1.30439E-26
2117 Jun	0.001050798	0.159218222	1E-05	1.574983239	3.095225334	0.060227424	0.000309532	5.631845474	0.001395085	0.010856747	0.000497652	0.000150173	8.63827E-05	0.122466631	2E-06	7.31162E-05	0.00076516	0.001579721	1.04954E-26
2117 Jul	0.00104263	0.157141402	1E-05	1.554422498	3.039928198	0.058747392	0.000305077	5.553623676	0.001381512	0.010799542	0.000485713	0.000148989	8.50595E-05	0.120338939	2E-06	7.2396E-05	0.000748277	0.001575683	1.00834E-26
2117 Aug	0.001034746	0.1545908	1E-05	1.536152005	2.985460758	0.057099156	0.000306134	5.488664627	0.001367531	0.010728878	0.000471234	0.0001453	8.38407E-05	0.118353449	2E-06	7.184E-05	0.000725706	0.001560979	9.65123E-27
2117 Sep	0.001031024	0.152573511	1E-05	1.523877025	2.947952509	0.055710275	0.000312784	5.449611664	0.001356768	0.010718693	0.000457998	0.000141671	8.27086E-05	0.116989426	2E-06	7.20017E-05	0.0007089	0.001547783	9.29788E-27
2117 Oct	0.001028479	0.149179667	1E-05	1.500954866	2.882338762	0.053039268	0.000328109	5.382867336	0.001336107	0.010761843	0.000432661	0.000134694	8.0243E-05	0.114512011	2E-06	7.28423E-05	0.000679295	0.001522412	8.63791E-27
2117 Nov	0.001027756	0.148207963	1E-05	1.494395018	2.8635602	0.052274324	0.000332506	5.363778591	0.001330192	0.01077426	0.000425404	0.000132695	7.95368E-05	0.113802984	2E-06	7.30838E-05	0.000670817	0.001515139	8.45255E-27
2117 Dec	0.00102771	0.148145899	1E-05	1.493975997	2.862360954	0.052225467	0.000332787	5.362560272	0.001329814	0.010775056	0.00042494	0.000132567	7.94917E-05	0.113757715	2E-06	7.30993E-05	0.000670275	0.001514674	8.44082E-27
2118 Jan	0.00102778	0.148158133	1E-05	1.494083285	2.862662315	0.052232463	0.000332821	5.363032341	0.001329876	0.010775444	0.000424925	0.000132559	7.94901E-05	0.113769099	2E-06	7.31037E-05	0.00067033	0.001514616	8.43835E-27
2118 Feb	0.001027884	0.148185536	1E-05	1.494301677	2.863279581	0.052250497	0.000332817	5.363884449	0.001330026	0.01077583	0.000424987	0.00013257	7.9496E-05	0.113792434	2E-06	7.31069E-05	0.000670498	0.001514618	8.43707E-27
2118 Mar	0.001027941	0.148200482	1E-05	1.494420767	2.863616228	0.052260336	0.000332815	5.364348888	0.001330108	0.01077604	0.00042502	0.000132576	7.94991E-05	0.113805167	2E-06	7.31087E-05	0.00067059	0.001514662	8.43638E-27
2118 Apr	0.001031548	0.149153844	1E-05	1.502017856	2.88508749	0.052887611	0.000332686	5.393975258	0.001335325	0.010789445	0.000427157	0.000132964	7.97022E-05	0.114616849	2E-06	7.32213E-05	0.000676446	0.001514707	8.39211E-27
2118 May	0.00107028	0.162963256	1E-05	1.604439139	3.179261684	0.062404636	0.000312781	5.761244774	0.001412881	0.010919693	0.000508751	0.000147848	8.7458E-05	0.125641644	2E-06	7.37041E-05	0.00077844	0.001560139	6.85266E-27
2118 Jun	0.001092422	0.174935564	1E-05	1.686819196	3.420110464	0.071021579	0.000280277	6.027441502	0.001481812	0.010978267	0.000590461	0.000168571	9.50051E-05	0.134582832	2E-06	7.31498E-05	0.000881368	0.001636825	4.82138E-27
2118 Jul	0.001083216	0.172911078	1E-05	1.668178439	3.369108677	0.069686487	0.000276627	5.952238083	0.001469995	0.010930846	0.000579288	0.00016856	9.38019E-05	0.132629171	2E-06	7.25845E-05	0.000868929	0.001639552	4.67413E-27
2118 Aug	0.001063705	0.166563809	1E-05	1.62732923	3.242999792	0.065740906	0.000283829	5.806355476	0.001437767	0.010774463	0.00054368	0.000159561	9.10026E-05	0.128100067	2E-06	7.16114E-05	0.000816519	0.001605877	4.28113E-27
2118 Sep	0.001045533	0.156625167	1E-05	1.56408143	3.053435802	0.05876163	0.00031571	5.603420734	0.001383323	0.010743093	0.000478392	0.000142352	8.52219E-05	0.121135972	2E-06	7.24831E-05	0.000734563	0.00154422	3.63377E-27
2118 Oct	0.001039015	0.149896488	1E-05	1.517573476	2.920919895	0.053509213	0.000343669	5.46380949	0.001342414	0.010816528	0.000429433	0.000129384	8.0427E-05	0.116123423	2E-06	7.39603E-05	0.00067705	0.001497731	3.17647E-27
2118 Nov	0.001037509	0.148315519	1E-05	1.506639957	2.889783621	0.052273214	0.000350271	5.431036949	0.001332789	0.010834153	0.000417911	0.000126329	7.92974E-05	0.114945263	2E-06	7.43113E-05	0.000663525	0.001486775	3.07216E-27
2118 Dec	0.001037484	0.148288533	1E-05	1.506453276	2.889251709	0.052252099	0.000350384	5.430477619	0.001332625	0.010834455	0.000417714	0.000126277	7.92781E-05	0.114925146	2E-06	7.43173E-05	0.000663294	0.001486588	3.0704E-27
2119 Jan	0.001037539	0.14829801	1E-05	1.506535649	2.889484406	0.052257471	0.00035041	5.4308424	0.001332672	0.010834765	0.0004177	0.00012627	7.92766E-05	0.114933923	2E-06	7.43208E-05	0.000663336	0.001486542	3.06967E-27
2119 Feb	0.001037623	0.148320228	1E-05	1.50671196	2.889983177	0.052272066	0.000350407	5.431529045	0.001332794	0.010835075	0.000417749	0.000126279	7.92812E-05	0.114952758	2E-06	7.43234E-05	0.000663472	0.001486545	3.06928E-27
2119 Mar	0.001037669	0.148332357	1E-05	1.506808281	2.89025569	0.052280046	0.000350405	5.431904793	0.00133286	0.010835245	0.000417776	0.000126284	7.92837E-05	0.11496307	2E-06	7.43248E-05	0.000663547	0.001486546	3.06908E-27
2119 Apr	0.001052302	0.152218923	1E-05	1.537657619	2.977541685	0.054836504	0.000349719	5.552063465	0.001354097	0.010889512	0.000426446	0.000127923	8.01012E-05	0.118261002	2E-06	7.47738E-05	0.000687481	0.001487146	3.00408E-27
2119 May	0.001144627	0.180752099	1E-05	1.75505507	3.598419428	0.07406465	0.000324065	6.363115788	0.001511913	0.011215442	0.000544125	0.0001503	9.1195E-05	0.141603932	2E-06	7.67505E-05	0.000882028	0.001540718	2.188E-27
2119 Jun	0.001132971	0.181166291	1E-05	1.75039494	3.590280533	0.07473959	0.000305945	6.313709259	0.00151584	0.011157816	0.000558633	0.000159531	9.22993E-05	0.141195029	2E-06	7.56439E-05	0.000901065	0.001583813	1.88395E-27
2119 Jul	0.001117015	0.178104267	1E-05	1.722509146	3.513725281	0.072830662	0.000299412	6.195252895	0.001499128	0.011087619	0.000544179	0.000161148	9.07222E-05	0.138259992	2E-06	7.47976E-05	0.00088667	0.001596628	1.80573E-27
2119 Aug	0.001099962	0.172879323	1E-05	1.689386487	3.410844564	0.069651648	0.000305044	6.074195862	0.001473344	0.010958496	0.000518121	0.000154475	8.87681E-05	0.134572655	2E-06	7.40046E-05	0.000845679	0.001572884	1.69014E-27
2119 Sep	0.001081484	0.165538028	1E-05	1.642862916	3.269248962	0.064817145	0.000321927	5.914242744	0.001435203	0.010872842	0.000477587	0.00014378	8.54152E-05	0.129421681	2E-06	7.39505E-05	0.000788169	0.001535849	1.52177E-27
2119 Oct	0.001074608	0.160507053	1E-05	1.606907248	3.167364836	0.060959026	0.000339722	5.800899982	0.001404827	0.010911175	0.000445475	0.000135235	8.22528E-05	0.125560001	2E-06	7.48082E-05	0.000746858	0.001506222	1.39401E-27
2119 Nov	0.001071877	0.158491924	1E-05	1.592499495	3.126553535	0.059412003	0.000346877	5.755528927	0.001392648	0.010926832	0.000432606	0.000131804	8.09845E-05	0.124012835	2E-06	7.51549E-05	0.000730298	0.00149432	1.34392E-27
2119 Dec	0.001071844	0.158467948	1E-05	1.592327952	3.126067877	0.059393581	0.000346962	5.754989147	0.001392503	0.01092702	0.000432453	0.000131763	8.09694E-05	0.12399441	2E-06	7.5159E-05	0.0007301	0.001494178	1.34333E-27

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	29	0.17	0.50	0.0053	16	0.00042	0.58	4.1E-05	4.1E-05	2.2E-09	2.3E-05	2.5E-05	9.8E-04	6.4E-05	3.3E-08	1.6E-01	2.5E-08	1.6E-05	5.1E-06
Operations (2020-2043): Mean	15565	51.8	71.7	1.77	9053	0.182	926	1.4E-03	1.4E-03	1.2E-04	1.2E-02	1.5E-02	5.8E-01	1.1E-01	3.3E-05	4.3E+02	1.7E-04	2.3E-03	2.9E-03
Operations (2020-2043): Max	59944	468.6	584	8.52	35070	0.543	3403	5.2E-03	5.2E-03	5.2E-04	2.2E-02	5.6E-02	1.3E+00	3.4E-01	7.9E-05	1.7E+03	5.2E-04	7.1E-03	1.0E-02
Active Closure (2044-2050): Min	164	0.41	0.866	0.017	73	0.056	26	7.9E-05	7.9E-05	1.9E-06	5.5E-03	1.7E-03	6.4E-02	1.8E-02	5.6E-06	1.5E+01	2.4E-05	5.5E-04	1.8E-04
Active Closure (2044-2050): Mean	272	0.75	1.640	0.031	131	0.080	46	5.0E-04	5.0E-04	3.3E-06	6.3E-03	2.3E-03	1.1E-01	2.0E-02	6.2E-06	1.7E+01	2.9E-05	8.5E-04	2.0E-04
Active Closure (2044-2050): Max	463	1.36	3.009	0.056	233	0.12	81	7.4E-04	7.4E-04	4.1E-06	6.7E-03	3.4E-03	2.0E-01	2.3E-02	7.2E-06	1.9E+01	3.8E-05	1.4E-03	2.4E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Post Closure (2051-2119): Min	56	0.048	0.012	0.0010	12	0.026	4.4	7.4E-04	7.4E-04	4.1E-06	6.7E-03	1.2E-03	9.7E-03	1.8E-02	5.0E-06	1.5E+01	1.6E-05	2.7E-04	1.8E-04
Post Closure (2051-2119): Mean	69	0.085	0.077	0.0022	19	0.030	6.6	9.8E-04	9.8E-04	4.9E-06	7.0E-03	1.4E-03	1.4E-02	2.5E-02	5.0E-06	2.1E+01	1.8E-05	3.1E-04	3.2E-04
Post Closure (2051-2119): Max	164	0.41	0.87	0.017	73	0.056	26	1.0E-03	1.0E-03	5.0E-06	7.2E-03	1.7E-03	6.4E-02	2.9E-02	5.6E-06	2.4E+01	2.4E-05	5.5E-04	4.0E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 May	28.84589005	0.170886368	0.503165424	0.005316465	16.18054581	0.000422469	0.584617972	0	0	2.18042E-09	2.30955E-05	2.45771E-05	0.000979884	6.41381E-05	3.33117E-08	0.162393868	2.53983E-08	1.56501E-05	5.08397E-06
2025 Jun	4154.056152	19.387043	59.61062241	0.777822554	2212.908203	0.336944073	288.0826111	0.000486396	0.000486396	1.30856E-05	0.007836321	0.034639645	0.471918017	0.044416305	1.46558E-05	79.56357574	5.32755E-05	0.003514628	0.000494583
2025 Jul	5882.648438	26.23091698	81.4053421	1.104351163	3106.28125	0.541843414	455.7307739	0.000802755	0.000802755	2.15231E-05	0.012153935	0.056340557	0.745799184	0.07114131	2.30642E-05	125.8337173	8.70697E-05	0.005272556	0.000644732
2025 Aug	6744.321289	31.55802917	96.98310089	1.262642384	3594.614014	0.542700946	464.5082092	0.000782034	0.000782034	2.10441E-05	0.012651687	0.055749811	0.760977209	0.071558528	2.36393E-05	128.2914734	8.57147E-05	0.005686335	0.000806718
2025 Sep	8258.049805	41.22206497	125.1013107	1.540003181	4459.347168	0.528042734	467.9909363	0.000717157	0.000717157	1.9455E-05	0.013262046	0.052891262	0.76827389	0.070231847	2.40724E-05	129.3201752	8.04293E-05	0.006339418	0.001105192
2025 Oct	9589.571289	49.8024826	150.0309143	1.783792138	5221.780273	0.510938585	467.9452515	0.000652672	0.000652672	1.78624E-05	0.013730155	0.049902536	0.769647717	0.068528399	2.4303E-05	129.3683777	7.50234E-05	0.006894662	0.001371362
2025 Nov	10145.65039	53.40395355	160.486618	1.885562778	5540.598633	0.502840281	467.2208557	0.000624058	0.000624058	1.71532E-05	0.013910048	0.04854678	0.769077122	0.067695297	2.43652E-05	129.1941833	7.25942E-05	0.007122185	0.001483343
2025 Dec	10154.74609	53.46331787	160.6587677	1.887226343	5545.82373	0.502683818	467.1912842	0.000623548	0.000623548	1.71404E-05	0.013912598	0.048521902	0.769039035	0.067678608	2.43654E-05	129.1864471	7.25501E-05	0.007125796	0.001485195
2026 Jan	16497.92969	131.3849487	237.6977081	3.1148843777	9315.376953	0.435228378	842.1750488	0.001222023	0.001222023	8.31875E-05	0.014746285	0.043946486	0.829437256	0.10296569	3.06079E-05	333.706665	0.000131006	0.006160619	0.002650669
2026 Feb	25401.60352	240.7928925	345.795929	4.838158607	14606.66016	0.34058091	1368.876465	0.002062926	0.002062926	0.000175962	0.015915658	0.037535515	0.91429323	0.152538463	3.93758E-05	620.9700928	0.000213136	0.004802742	0.004286485
2026 Mar	31015.46289	309.7662354	413.9641113	5.924683571	17942.83594	0.280893892	1700.865845	0.002592877	0.002592877	0.000234437	0.016653191	0.033489972	0.967773259	0.183782429	4.49026E-05	802.0385742	0.000264898	0.003947491	0.005317912
2026 Apr	35029.29688	359.0704956	462.7160645	6.701513767	20328.11914	0.238206282	1938.118774	0.002971504	0.002971504	0.000276225	0.017180778	0.030593656	1.005985022	0.206107616	4.88523E-05	931.4386597	0.00030188	0.003337024	0.006055397
2026 May	37762.90625	392.2129822	496.4262695	7.229755402	21951.04492	0.20869033	2095.095947	0.003218106	0.003218106	0.000303795	0.017551402	0.028472574	1.031035542	0.220759988	5.14738E-05	1017.097473	0.000326014	0.002963008	0.006558805
2026 Jun	32666.13672	333.4236755	428.0399475	6.25258112	18924.77734	0.296558797	1862.644409	0.002901873	0.002901873	0.000261009	0.017232778	0.036893908	1.027264833	0.201668948	4.82294E-05	883.7998047	0.000294858	0.003453279	0.005580795
2026 Jul	42457.17969	445.7722168	551.727478	8.138076782	24692.05469	0.251012325	2418.255859	0.003767862	0.003767862	0.000352329	0.019770887	0.034944274	1.183897495	0.255993575	5.91166E-05	1174.656494	0.000380684	0.002902561	0.007344849
2026 Aug	36723.76953	375.9469604	485.2868042	7.024867058	21306.9668	0.254334301	2032.821167	0.003114085	0.003114085	0.000289029	0.018087432	0.032454699	1.05974412	0.216213837	5.13855E-05	975.6925659	0.000316432	0.0035594	0.006338557
2026 Sep	37509.33203	382.8640747	498.5908508	7.171149254	21767.08398	0.234629855	2042.378906	0.003098674	0.003098674	0.000290922	0.018129971	0.029960399	1.05069387	0.215850443	5.13985E-05	982.8939209	0.00031518	0.003678308	0.006498357
2026 Oct	35758.12891	356.91922	483.1889343	6.823126316	20714.20117	0.238297507	1882.371582	0.002795903	0.002795903	0.000262782	0.017853273	0.028495595	1.011411071	0.198944539	4.8579E-05	898.1293945	0.000286035	0.004340825	0.006197903
2026 Nov	41280.47656	427.6828918	547.2040405	7.897035122	24008.38672	0.177402794	2234.772217	0.003381084	0.003381084	0.000325815	0.018425573	0.024914587	1.064267755	0.232605353	5.42708E-05	1091.118164	0.000342847	0.003206603	0.007210394
2026 Dec	44468.68359	468.583252	584.1048584	8.517123222	25910.36328	0.142334998	2438.753906	0.003720217	0.003720217	0.000362303	0.018755388	0.022867734	1.094937325	0.252103657	5.75658E-05	1202.8125	0.000375768	0.002547448	0.007794765
2027 Jan	47435.82031	426.9960022	526.5059204	8.111077309	27678.13672	0.112034507	2627.064453	0.004013246	0.004013246	0.000393831	0.019040365	0.022088453	1.125987768	0.267949939	6.04128E-05	1305.42749	0.000404213	0.001977901	0.008299694
2027 Feb	49853.26953	347.4838257	426.9082336	7.217053413	29117.08008	0.088685505	2779.613525	0.004239049	0.004239049	0.000418126	0.019259961	0.022098387	1.15272212	0.279542893	6.26067E-05	1388.267334	0.000426132	0.00153902	0.008688782
2027 Mar	51357.87891	297.995697	364.9189453	6.660616398	30012.67383	0.07415317	2874.55957	0.004379589	0.004379589	0.000433248	0.019396638	0.022104571	1.169361472	0.286758363	6.39721E-05	1439.82666	0.000439775	0.001265861	0.008930949
2027 Apr	52426.51563	262.8471985	320.8916321	6.265411854	30648.76172	0.063831709	2941.994141	0.004479405	0.004479405	0.000443987	0.01949371	0.022108959	1.181179523	0.291883051	6.4942E-05	1476.446167	0.000449464	0.001071853	0.009102947
2027 May	52872.62109	236.3995972	289.8291321	5.958938122	30911.34766	0.059124511	2967.155029	0.004507025	0.004507025	0.000447298	0.019520711	0.022072591	1.185150981	0.293117344	6.52373E-05	1489.683228	0.000452179	0.001013491	0.009166756
2027 Jun	42140.70313	141.9792023	187.089859	4.2853665535	24540.0293	0.210765973	2428.893311	0.003723942	0.003723942	0.000350952	0.018429037	0.035034344	1.134354472	0.246368662	5.69311E-05	1188.008911	0.000375222	0.002120032	0.007152783
2027 Jul	51250.14844	90.7776947	120.2904816	4.10277319	29910.71289	0.160936058	2944.096436	0.004489223	0.004489223	0.000432667	0.020507473	0.03432814	1.271651864	0.292039782	6.63141E-05	1459.244263	0.00045094	0.001531711	0.008726875
2027 Aug	47460.98828	78.14907837	113.5211182	3.767196178	27677.26758	0.147735402	2695.180664	0.004059882	0.004059882	0.00039272	0.019059125	0.030642185	1.171872258	0.265586585	6.08572E-05	1331.881714	0.000408531	0.001705264	0.008070144
2027 Sep	43075.35938	80.39292908	142.5350494	3.687660694	25029.08594	0.182873011	2376.552246	0.003463711	0.003463711	0.000333335	0.018470066	0.029743176	1.108296156	0.232709259	5.54037E-05	1153.78479	0.000351096	0.002802181	0.007268334
2027 Oct	45064.05469	78.80599213	131.4571991	3.723179579	26229.71484	0.151447967	2502.617188	0.003681773	0.003681773	0.000357475	0.018498696	0.028114781	1.117428184	0.244402945	5.71916E-05	1226.59436	0.000372036	0.002299745	0.007639766
2027 Nov	49076.84766	78.76172638	118.0930481	3.866258144	28631.17578	0.107302293	2749.874268	0.004096318	0.004096318	0.000402178	0.018952927	0.026301228	1.156278133	0.267677248	6.11864E-05	1364.571777	0.000412248	0.001583715	0.008372512
2027 Dec	51299.57422	79.0667038	111.8006058	3.952953577	29959.59961	0.082836784	2884.31665	0.004318414	0.004318414	0.000426319	0.019212825	0.025205648	1.177443504	0.280211568	6.33604E-05	1439.427246	0.000433824	0.001211399	0.008777892
2028 Jan	53018.62891	87.78689575	116.1407013	4.474942684	30988.58008	0.063242301	2989.70752	0.004501773	0.004501773	0.000446141	0.019424589	0.024492607	1.193241119	0.290929109	6.51466E-05	1498.365601	0.000451627	0.000901651	0.009106663
2028 Feb	54206.51953	99.24369812	125.2065277	5.124530792	31700.27344	0.049129196	3062.76123	0.00463384	0.00463384	0.000460417	0.019577116	0.024047602	1.203542233	0.298881829	6.64331E-05	1539.371216	0.000464449	0.000678552	0.009343463
2028 Mar	54890.67969	105.8421478	130.427948	5.498655796	32110.16406	0.041000862	3104.836182	0.004709902	0.004709902	0.00046864	0.019664962	0.023791304	1.20947504	0.303462118	6.7174E-05	1562.988159	0.000471834	0.000550059	0.009479845
2028 Apr	55346.8125	110.2414169	133.9091034	5.74808979	32383.44531	0.0355816	3132.887939	0.004760615	0.004760615	0.000474122	0.019723529	0.023620427	1.213430643	0.306515872	6.7668E-05	1578.733765	0.000476758	0.000464392	0.009570774
2028 May	55657.375	113.3289032	136.4115448	5.922429562	32569.47266	0.031858433	3151.867188	0.004794888	0.004794888	0.000477838	0.019763498	0.02349869	1.216071963	0.308586299	6.80028E-05	1589.390747	0.000480086	0.000406842	0.009632848
2028 Jun	52025.30859	111.6472397	138.2628174	5.830178261	30406.55859	0.094673172	2969.381348	0.004540951	0.004540951	0.000445155	0.019662341	0.028732685	1.211916924	0.294439524	6.5631E-05	1485.168335	0.000455322	0.000924883	0.008963883
2028 Jul	58324.07813	133.4224701	159.1552124	7.007399559	34122.07813	0.056564912	3318.011475	0.005078648	0.005078648	0.000503116	0.02115887	0.027534705	1.30216682	0.327868313	7.22649E-05	1669.800659	0.000508571	0.00055452	0.010105004
2028 Aug	59944.38281	138.6357574	166.3850555	7.263378143	35070.22656	0.052142873	3402.67041	0.005200436	0.005200436	0.000516108	0.021662008	0.027525855	1.33072567	0.335853189	7.402E-05	1712.998535	0.000520819	0.000572116	0.01039171
2028 Sep	52457.44141	125.8781586	165.248703	6.453994751	30629.73633	0.108820736	2963.321289	0.004498001	0.004498001	0.000440998	0.020231269	0.029356465	1.233026147	0.294212997	6.61782E-05	1475.998901	0.000451906	0.001391209	0.009042507
2028 Oct	50330.36719	124.6472168	173.9766388	6.254838943	29361.82617	0.106484689	2804.809814	0.004205557	0.004205557	0.000413813	0.019590663	0.02707951	1.180472612	0.277137429	6.29755E-05	1392.362671	0.000423415	0.001733531	0.00867057
2028 Nov	54006.24219	127.869606	161.6383667	6.597264767	31573.83203	0.054661699	3040.140137	0.004611121	0.004611121	0.00045809	0.019757763	0.024652885	1.204224944	0.299402148	6.65053E-05	1526.090698	0.00046248	0.000855014	0.009353964
2028 Dec	55246.03125	128.983429	157.6300354	6.713757515	32318.9043	0.038812645	3120.041016	0.004749116	0.004749116	0.000472962	0.019843718	0.024000196	1.214116812	0.307041675	6.77454E-05	1571.146851	0.000475794	0.000572901	0.009583215
2029 Jan	55890.53125	125.708252	151.3712006	6.567869663	32705.33789	0.031317439	3161.132568	0.00481438	0.00481438	0.000479996	0.019884372	0.025141908	1.220041752	0.310384959	6.83319E-05	1594.127686	0.000482091	0.000439477	0.009691636
2029 Feb	56299.91797	120.3934631	143.8919678	6.301952362	32950.05078	0.027180305	3186.860352	0.004850403	0.004850403	0.000483878	0.019906813	0.027109938	1.224461675	0.31198138	6.86556E-05	1608.354858	0.000485566	0.000365831	0.009751481
2029 Mar	56574.43359	116.8296814	138.8768311	6.123643875	33114.14453	0.024406185	3204.111816	0.004874559	0.004874559	0.000486481	0.01992186	0.028429586	1.227425575	0.313051879	6.88727E-05	1617.894653	0.000487897	0.000316448	0.00979161
2029 Apr	56778.98047	114.174202	135.1398926	5.990781307	33236.41016	0.022339111	3216.966309	0.004892558	0.004892558	0.000488421	0.019933071	0.029412892	1.229633927	0.313849509	6.90345E-05	1625.00293	0.000489634	0.000279652	0.009821511
2029 May	56839.05078	112.1671982	132.7494354	5.885190487	33272.04297	0.021544378	3220.313477	0.004894596	0.004894596	0.000488721	0.019930938	0.030122893	1.230102181	0.313814878	6.90501E-05	1626.839844	0.000489831	0.000273933	0.009828085
2029 Jun	50044.48047	97.12184143	121.2593918	5.07692337	29241.23828	0.107939146	2866.279297	0.004374951	0.004374951	0.000426854	0.019158868	0.036668718	1.186445832	0.283167034	6.34914E-05	1430.822876	0.000438801	0.001013559	0.008583286
2029 Jul	49187.45313	88.50288391	115.6009216	4.606828213	28704.00781	0.165283158	2837.288818	0.004332942	0.004332942	0.000416271	0.019885469	0.044903774	1.235170841	0.281875521	6.40916E-05	1404.875366	0.000435265	0.001526659	0.008378012
2029 Aug	51171.40625	92.33916473	121.6521301	4.746748924	29885.44141	0.109227426	2911.647949	0.004398986	0.004398986	0.000430388	0.019652897	0.039850324	1.211028934	0.285297781	6.44848E-05	1451.00708	0.000441745	0.001270874	0.008771099
2029 Sep	54226.88672	98.33581543	130.5072021	5.032106876	31673.0332	0.10216964	3074.126953	0.004629728	0.004629728	0.000454835	0.020619102	0.040585816	1.267141461	0.300242126	6.7827E-05	1533.661865	0.000464956	0.00131058	0.009308768
2029 Oct	53586.45703	97.99697113	131.7008514	4.984355927	31299.14063	0.089842282	3025.338135	0.004538965	0.004538965	0.000447638	0.020225206	0.038601037	1.238696456	0.2945382	6.65691E-05	1510.283691	0.000455959	0.001303747	0.009212443
2029 Nov	54181.12891	97.71868134	127.5690613	4.997493267	31670.10938	0.058847267	3053.821045	0.004582977	0.004582977	0.000455202	0.019829873	0.036094997	1.215728879	0.296005547	6.63968E-05	1531.388428	0.000459879	0.000969664	0.00933332
2029 Dec	55467.5	97.94258881	122.6739807	5.065241337	32443.54688	0.042167295	3134.339844	0.004722622	0.004722622	0.000470247	0.019884305	0.035789356	1.224577308	0.303571999	6.76008E-05	1577.0896	0.000473314	0.000663784	0.009558185
2030 Jan	56203.12891	97.7177887	119.6858521	5.083201408	32884.87891	0.033622891	3180.244385	0.004796301	0.004796301	0.00047815	0.019915015	0.036525544	1.23077035	0.307278991	6.82381E-05	1602.897583	0.000480402	0.000503397	0.009675535
2030 Feb	56680.02734	97.30575562	117.6449585	5.078562737	33170.21094	0.028717421	3209.699463	0.0048386	0.0048386	0.000482687	0.019932592	0.037703816	1.235494256	0.309157491	6.86039E-05	1619.28418	0.000484472	0.000411299	0.009742895
2030 Mar	56990.17188	97.03768158	116.317421	5.075541973	33355.77344	0.025527114	3228.855469	0.004866111	0.004866111	0.000485638	0.019944012	0.038470179	1.23856616	0.310379148	6.88417E-05	1629.941284	0.000487119	0.000351399	0.009786699
2030 Apr	57217.09766	96.84165192	115.3463898	5.073335648	33491.54297	0.023192978	3242.87085	0.004886238	0.004886238	0.000487797	0.019952379	0.039030809	1.240813971	0.311272979	6.90158E-05	1637.738525	0.000489055	0.000307577	0.00981875
2030 May	57377.55859	96.69432831	114.6493378	5.071306229	33587.55078	0.021524683	3252.7771	0.004900334	0.004900334	0.000489312	0.019957671	0.039441068	1.242384672	0.311890423	6.91369E-05	1643.251953	0.000490411	0.000276632	0.009841275
2030 Jun	48249.34375	81.82646179	101.4248505	4.324858189	28190.36133	0.128449455	2778.69043	0.004259738	0.004259738	0.000410123	0.018479273	0.041604739	1.154814363	0.272247165	6.15623E-05	1385.658081	0.000427439	0.001201341	0.008219769
2030 Jul	43902.29297	76.54563141	102.40242	3.981699705	25609.66016	0.166052267	2531.174316	0.003864963	0.003864963	0.000366984	0.017750505	0.042088237	1.102935433	0.248751104	5.72852E-05	1251.040161	0.000388905	0.001782123	0.007469211
2030 Aug	52596.3125	89.91849518	114.3458557	4.676169395	30736.58008	0.098019913	2999.503174	0.004523942	0.004523942	0.000442314	0.019622818	0.043598279	1.21964705	0.28935954	6.55078E-05	1499.853516	0.000454031	0.001158855	0.008982968
2030 Sep	57691.29297	96.94955444	118.7261276	5.076120853	33740.26953	0.073314428	3286.887207	0.004955752	0.004955752	0.00048835	0.020887269	0.045874577	1.30285573	0.315719157	7.08832E-05	1650.874512	0.000496684	0.000818316	0.009852144
2030 Oct	49422.625	84.31904602	107.2494354	4.403131962	28876.66602	0.109486863	2825.538574	0.004287764	0.004287764	0.000416027	0.018611513	0.041096099	1.157154202	0.273746043	6.20991E-05	1410.959106	0.000430506	0.001260451	0.00844247
2030 Nov	50742.875	85.85773468	107.0428162	4.492749214	29663.61133	0.087777615	2895.175293	0.004384481	0.004384481	0.000428431	0.018687665	0.040620532	1.163201809	0.279312611	6.30224E-05	1450.376465	0.000439846	0.001021601	0.00867304
2030 Dec	53132.91797	88.89765167	107.8973541	4.66774559	31079.57422	0.063769519	3026.711914	0.004574206	0.004574206	0.00045049	0.019090636	0.041097719	1.190953135	0.290716499	6.5171E-05	1521.697632	0.000458387	0.000724819	0.009081937
2031 Jan	53901.72266	89.87349701	108.165184	4.723998547	31535.06055	0.056048851	3069.037598	0.004635295	0.004635295	0.00045759	0.019220103	0.041251443	1.199877858	0.294387162	6.58624E-05	1544.64917	0.000464356	0.000629176	0.009213449
2031 Feb	53896.49609	89.86486053	108.156044	4.723575592	31531.98438	0.056091774	3068.757324	0.00463493	0.00463493	0.000457545	0.019218812	0.041248441	1.199796915	0.29436326	6.58575E-05	1544.501587	0.00046432	0.000629614	0.009212558
2031 Mar	53893.64453	89.86013794	108.1510468	4.723344803	31530.30859	0.056115173	3068.604248	0.004634731	0.004634731	0.000457521	0.01921811	0.041246802	1.199752808	0.294350266	6.58548E-05	1544.421143	0.000464301	0.000629852	0.009212072
2031 Apr	53890.5625	89.8572464	108.1534271	4.723134995	31528.47461	0.056138009	3068.424805	0.004634445	0.004634445	0.00045749	0.019217577	0.041244913	1.199709892	0.294333547	6.58517E-05	1544.323853	0.000464273	0.000630332	0.009211579
2031 May	52164.38672	87.46305847	106.7708282	4.591679573	30508.35547	0.070583202	2973.479004	0.004499302	0.004499302	0.000441923	0.01886165	0.040469747	1.175665498	0.285997421	6.42288E-05	1493.573364	0.000451032	0.000818894	0.008921628
2031 Jun	19690.25586	33.58942413	44.38358307	1.771940827	11431.15527	0.19422929	1213.074707	0.002152492	0.002152492	0.000170815	0.014437362	0.022105245	0.703466475	0.152174473	7.90607E-05	575.1864014	0.000215521	0.002914019	0.004033421
2031 Jul	518.2579346	1.234120607	2.123409986	0.053242881	286.1100769	0.033780023	45.55223083	9.17476E-05	9.17476E-05	4.40902E-06	0.00180935	0.001508046	0.0670531 47	0.010516478	8.26986E-06	16.10393715	1.38909E-05	0.000457983	0.000188033
2031 Aug	409.5035095	1.471393824	3.283417702	0.052068856	218.1565857	0.060578622	46.17895889	6.91921E-05	6.91921E-05	1.83809E-06	0.003043766	0.002123268	0.104697421	0.013813196	8.39149E-06	11.37839699	1.97427E-05	0.000776811	0.000184603
2031 Sep	1322.704468	5.909964085	12.5029192	0.18665798	674.0796509	0.211702377	156.5748596	0.000180851	0.000180851	5.47436E-06	0.010722123	0.006169282	0.371296465	0.046567205	2.63338E-05	37.74321747	6.91803E-05	0.002570388	0.00061839
2031 Oct	2417.002686	11.03070354	25.89063835	0.368715495	1229.412964	0.338561624	265.2447205	0.000392984	0.000392984	1.1011E-05	0.01628718	0.010909855	0.583832622	0.074666694	4.93912E-05	65.97972107	0.000105371	0.004328903	0.001105274
2031 Nov	2605.293701	12.08173561	29.27593803	0.406590372	1332.786499	0.340924591	271.2140198	0.000396351	0.000396351	1.1E-05	0.01614921	0.011190842	0.584623992	0.074025564	4.85448E-05	67.86275482	0.000104056	0.004423618	0.00112897
2031 Dec	2605.721436	12.08268642	29.28386688	0.406760514	1333.014648	0.340978533	271.2353516	0.000396564	0.000396564	1.10019E-05	0.01614536	0.011191171	0.584557712	0.074017115	4.85311E-05	67.87177277	0.000104052	0.004424151	0.001128797
2032 Jan	2605.637451	12.08129501	29.28242493	0.406795382	1332.963989	0.341008961	271.238678	0.000396692	0.000396692	1.10031E-05	0.016143253	0.011191239	0.584517598	0.074013256	4.85242E-05	67.87419891	0.000104051	0.004424299	0.00112864
2032 Feb	2605.560303	12.08036804	29.28106308	0.406807482	1332.918945	0.341024965	271.2395935	0.00039676	0.00039676	1.10038E-05	0.016142152	0.011191262	0.58449626	0.074011311	4.85207E-05	67.87520599	0.000104052	0.004424362	0.001128552
2032 Mar	2605.518311	12.0798645	29.28032494	0.406814009	1332.894531	0.341033638	271.2400513	0.000396797	0.000396797	1.10042E-05	0.016141556	0.011191275	0.584484637	0.07401026	4.85188E-05	67.87574768	0.000104052	0.004424396	0.001128504

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Apr	2605.495117	12.07958508	29.27991486	0.406817645	1332.881104	0.341038465	271.2402954	0.000396817	0.000396817	1.10044E-05	0.016141225	0.011191281	0.584478259	0.074009679	4.85177E-05	67.87605286	0.000104052	0.004424415	0.001128477
2032 May	2628.779053	12.20732498	29.69472504	0.411455959	1345.535767	0.341400295	272.1454468	0.000397214	0.000397214	1.10053E-05	0.016125398	0.011249112	0.58475703	0.073931262	4.84067E-05	68.15782928	0.000103869	0.004437519	0.001131846
2032 Jun	2021.452881	6.483278751	13.85315514	0.233962372	1082.502075	0.302639216	245.8502045	0.000604561	0.000604561	1.45818E-05	0.015915163	0.010551767	0.538424432	0.07922975	6.85526E-05	62.59511566	0.000102738	0.004278179	0.001211009
2032 Jul	2068.959961	5.248944283	10.65110207	0.203237265	1175.929565	0.304401189	236.7227478	0.000521644	0.000521644	1.21622E-05	0.016137155	0.010817122	0.532219529	0.076965578	5.77159E-05	59.08758545	0.000104843	0.00424808	0.001071124
2032 Aug	1660.984009	4.577539921	9.245606422	0.163940117	967.2096558	0.233721435	175.2803802	0.00030244	0.00030244	7.14643E-06	0.012237598	0.007836258	0.406268448	0.055738632	3.50884E-05	42.91027832	7.90667E-05	0.003162913	0.00073466
2032 Sep	404.153595	1.161364555	2.284787416	0.039693158	239.8361206	0.056483962	40.65401459	5.37005E-05	5.37005E-05	1.29584E-06	0.002915675	0.001812123	0.09715379	0.012736696	6.56694E-06	9.78799057	1.88356E-05	0.000734863	0.000155691
2032 Oct	359.9092712	1.064401984	2.22756052	0.03786549	213.0590668	0.049275603	35.00477982	4.05877E-05	4.05877E-05	9.58794E-07	0.002459224	0.001609119	0.082510233	0.010521291	4.56921E-06	8.433755875	1.60248E-05	0.000628551	0.000123253
2032 Nov	447.9177551	1.523462415	3.630340338	0.054771863	259.5680237	0.054152813	40.38143539	4.70872E-05	4.70872E-05	1.09911E-06	0.002576996	0.001885741	0.089341909	0.011098749	4.79042E-06	9.938169479	1.66712E-05	0.000711582	0.000143508
2032 Dec	523.3813477	1.908231616	4.815668106	0.069499046	299.280304	0.058884315	45.24832916	5.39324E-05	5.39324E-05	1.24272E-06	0.002681796	0.002145383	0.095573865	0.011653317	4.99436E-06	11.29987907	1.73435E-05	0.000786586	0.000160465
2033 Jan	523.6798706	1.908890009	4.818771362	0.069586374	299.4206238	0.058959313	45.29146194	5.40969E-05	5.40969E-05	1.2455E-06	0.002682498	0.002147054	0.095628813	0.011661328	4.99657E-06	11.31196594	1.73589E-05	0.000787356	0.000160512
2033 Feb	523.8060913	1.909065485	4.819890976	0.069626555	299.4779968	0.05899765	45.31259155	5.41824E-05	5.41824E-05	1.24694E-06	0.002682833	0.00214789	0.095655881	0.011665409	4.99768E-06	11.31788635	1.73669E-05	0.000787735	0.000160529
2033 Mar	523.874939	1.90916121	4.820501328	0.069648467	299.5092773	0.059018552	45.32411194	5.42291E-05	5.42291E-05	1.24773E-06	0.002683015	0.002148347	0.09567064	0.011667634	4.99828E-06	11.32111549	1.73713E-05	0.000787942	0.000160538
2033 Apr	523.9140625	1.909215569	4.820848465	0.069660917	299.5270691	0.05903044	45.33066177	5.42556E-05	5.42556E-05	1.24818E-06	0.002683118	0.002148606	0.09567903	0.0116689	4.99862E-06	11.32295132	1.73738E-05	0.00078806	0.000160543
2033 May	777.2687378	2.975697517	8.378594398	0.12612544	427.8014526	0.08955989	68.67825317	0.000111713	0.000111713	2.29341E-06	0.003132057	0.003236973	0.125482515	0.015061451	6.07321E-06	17.85976791	2.28484E-05	0.001173627	0.000217572
2033 Jun	1937.826782	5.783583164	11.69682312	0.208395422	1146.181152	0.27946189	194.9999847	0.000310928	0.000310928	5.91097E-06	0.013804951	0.008564311	0.457027346	0.061586704	2.56553E-05	49.61911011	9.1386E-05	0.003508526	0.000726619
2033 Jul	2060.66626	5.920052528	11.09792614	0.202920392	1237.662109	0.300814688	206.0868378	0.000269258	0.000269258	5.21174E-06	0.015400669	0.008864263	0.502166748	0.066004328	2.48976E-05	50.85242844	0.000100909	0.0037358	0.000739904
2033 Aug	1119.304443	3.273173332	6.147725105	0.109584734	675.6146851	0.160930246	109.6024857	0.000106259	0.000106259	2.25078E-06	0.008184915	0.004750132	0.270152032	0.034088906	1.13976E-05	26.26845741	5.35911E-05	0.001974192	0.00036807
2033 Sep	1611.365967	4.733341217	9.990086555	0.170282722	954.3510742	0.221117094	155.9474182	0.000189009	0.000189009	3.82267E-06	0.011169022	0.006885287	0.365033954	0.046301171	1.76861E-05	37.86767197	7.16805E-05	0.002801721	0.000534249
2033 Oct	3374.709961	13.44697094	37.83058929	0.557465136	1849.659058	0.383194506	298.5646362	0.000463256	0.000463256	9.4344E-06	0.01307337	0.015706357	0.537781239	0.061553583	2.15682E-05	78.21061707	9.32556E-05	0.004883992	0.000884897
2033 Nov	3437.234619	13.75776672	39.42190552	0.585811436	1870.26355	0.39236474	305.4692078	0.000500289	0.000500289	1.00777E-05	0.012638868	0.016084088	0.534941316	0.06116771	2.13628E-05	80.55895996	9.29256E-05	0.004987656	0.000886787
2033 Dec	3436.764404	13.75461388	39.41730499	0.585859478	1869.927734	0.392419368	305.4707031	0.000500586	0.000500586	1.00819E-05	0.012634926	0.01608094	0.534861207	0.061163701	2.13602E-05	80.56204987	9.29293E-05	0.00498798	0.0008866
2034 Jan	3436.213135	13.75101089	39.40922546	0.585833311	1869.587402	0.392452329	305.4610901	0.000500768	0.000500768	1.00845E-05	0.01263265	0.016079238	0.534810364	0.061162114	2.13587E-05	80.56067657	9.2934E-05	0.004987977	0.000886403
2034 Feb	3435.92749	13.74914646	39.40504074	0.585819781	1869.411255	0.392469376	305.4561157	0.000500862	0.000500862	1.00858E-05	0.012631473	0.016078357	0.534784079	0.061161291	2.13579E-05	80.55996704	9.29365E-05	0.004987976	0.000886301
2034 Mar	3435.771973	13.7481308	39.40275955	0.585812449	1869.315308	0.392478675	305.4533691	0.000500913	0.000500913	1.00865E-05	0.012630832	0.016077876	0.534769654	0.06116084	2.13575E-05	80.55957794	9.29378E-05	0.004987975	0.000886245
2034 Apr	3435.68335	13.74755287	39.40146255	0.585808158	1869.26062	0.39248395	305.4518433	0.000500942	0.000500942	1.0087E-05	0.012630466	0.016077602	0.534761548	0.061160587	2.13573E-05	80.55936432	9.29386E-05	0.004987974	0.000886213
2034 May	3408.054688	13.52281189	39.18817139	0.592544556	1845.650757	0.39895308	307.7223511	0.000529351	0.000529351	1.0561E-05	0.012305162	0.01623721	0.530770481	0.060971089	2.11821E-05	81.45001221	9.32352E-05	0.005023598	0.000869759
2034 Jun	1930.859497	4.874498367	10.90985107	0.208456248	1094.495117	0.280218154	216.1342621	0.000598784	0.000598784	1.15981E-05	0.014286499	0.010152762	0.460763156	0.071468502	4.92261E-05	58.73095703	9.27031E-05	0.003888525	0.001003897
2034 Jul	2130.741699	5.792037964	10.88983154	0.199478567	1262.629639	0.306076914	223.8930359	0.000380905	0.000380905	8.11343E-06	0.016256986	0.009599931	0.528439462	0.072925888	3.99941E-05	55.87459564	0.000104475	0.004027219	0.000925492
2034 Aug	640.7567749	1.888461232	3.441780329	0.06052551	384.4698486	0.092077993	65.50693512	8.17942E-05	8.17942E-05	1.908E-06	0.004762991	0.00275921	0.159127265	0.020633431	9.90099E-06	15.76068783	3.08338E-05	0.001160349	0.000246882
2034 Sep	1715.299438	4.908905029	10.25428772	0.172400236	1001.381165	0.23206827	176.9386444	0.000291133	0.000291133	6.63177E-06	0.012204818	0.007787177	0.401552588	0.054240149	3.24551E-05	43.85762405	7.66445E-05	0.003141607	0.000731875
2034 Oct	2420.300293	7.431070328	17.88422012	0.284861028	1375.933838	0.307926834	243.9154816	0.000439866	0.000439866	9.65325E-06	0.015151516	0.011001594	0.512351573	0.069059484	4.25305E-05	62.08544922	9.58424E-05	0.00429286	0.001004674
2034 Nov	2508.713135	7.969867229	19.71116447	0.307688355	1418.120361	0.312145859	249.5584869	0.000446082	0.000446082	9.75657E-06	0.015010861	0.011309089	0.514332056	0.068648532	4.18539E-05	63.81628036	9.51658E-05	0.004370402	0.001018992
2034 Dec	2509.569092	7.975222588	19.73101807	0.307969898	1418.498169	0.312208831	249.6174774	0.000446223	0.000446223	9.75818E-06	0.015007778	0.011309714	0.514317632	0.068640746	4.18424E-05	63.83522034	9.51589E-05	0.004371408	0.001019088
2035 Jan	2510.419189	7.980604649	19.74931145	0.308197081	1418.900757	0.312243313	249.6681976	0.000446276	0.000446276	9.75863E-06	0.015006127	0.011310281	0.514321148	0.068635173	4.18351E-05	63.85101318	9.51509E-05	0.004372259	0.001019272
2035 Feb	2510.411133	7.980518818	19.75009918	0.30822897	1418.877197	0.312261194	249.6741333	0.00044633	0.00044633	9.75935E-06	0.015005228	0.011310326	0.51431036	0.06863372	4.18324E-05	63.85321045	9.51514E-05	0.004372369	0.001019221
2035 Mar	2510.377197	7.98028326	19.74995232	0.308240741	1418.849487	0.312270969	249.6757965	0.000446361	0.000446361	9.75977E-06	0.015004735	0.011310332	0.514303565	0.068633042	4.1831E-05	63.8539505	9.5152E-05	0.004372403	0.001019183
2035 Apr	2510.358154	7.980149269	19.7498703	0.308247387	1418.83374	0.312276512	249.6767426	0.000446379	0.000446379	9.76001E-06	0.015004455	0.011310334	0.514299691	0.06863267	4.18302E-05	63.85437393	9.51524E-05	0.004372424	0.001019161
2035 May	2519.679199	8.025141716	20.01304054	0.313841492	1421.237183	0.314875573	251.190033	0.000452879	0.000452879	9.86665E-06	0.01490833	0.011454112	0.514144242	0.068498634	4.14981E-05	64.34635925	9.51651E-05	0.004389833	0.001014328
2035 Jun	1761.625244	4.192167759	9.054226875	0.17871666	984.9730225	0.259192705	211.5427094	0.0006935	0.0006935	1.39745E-05	0.013861546	0.009941141	0.44422242	0.072008006	6.17673E-05	57.70975494	8.83288E-05	0.003784352	0.001093636
2035 Jul	1599.764282	3.30983305	6.247312546	0.132980034	911.8064575	0.234160349	192.0543671	0.000599752	0.000599752	1.23386E-05	0.013696608	0.00882791	0.423202068	0.068250403	5.85495E-05	51.03153229	8.51435E-05	0.003510338	0.001024116
2035 Aug	1313.439575	3.369201899	6.160914421	0.117035016	775.1482544	0.191215843	142.4999847	0.00028189	0.00028189	6.06908E-06	0.010405974	0.006303146	0.335506439	0.047298379	2.99179E-05	35.55654907	6.60975E-05	0.002577647	0.000620606
2035 Sep	2049.162109	6.060890675	11.92841625	0.20284541	1213.671143	0.286660939	208.3301392	0.000310819	0.000310819	6.63034E-06	0.015023978	0.008877113	0.491708636	0.064446568	3.28564E-05	51.11088181	9.45528E-05	0.00373809	0.000816966
2035 Oct	2285.352539	7.006093025	14.75234222	0.245472446	1334.605469	0.315768689	233.3492432	0.000396685	0.000396685	8.13888E-06	0.016082415	0.010202098	0.530479193	0.069896363	3.73362E-05	58.36634827	0.000101042	0.004141792	0.00091799
2035 Nov	2430.708984	7.830327511	17.84932518	0.287835807	1398.000122	0.325985909	245.64711	0.000418372	0.000418372	8.59463E-06	0.015701033	0.011182078	0.533962667	0.069158226	3.62405E-05	62.17973328	9.97213E-05	0.004291638	0.000937403
2035 Dec	2431.739746	7.836527348	17.87491035	0.288217634	1398.403564	0.326071799	245.7358704	0.000418615	0.000418615	8.59811E-06	0.015695764	0.011183076	0.533922613	0.069146231	3.62273E-05	62.2086525	9.97083E-05	0.004293165	0.000937578
2036 Jan	2431.797852	7.836779594	17.87759972	0.288282394	1398.39856	0.326097429	245.7489014	0.000418702	0.000418702	8.59938E-06	0.015694223	0.011183206	0.533903837	0.069143653	3.62239E-05	62.21329498	9.97075E-05	0.004293402	0.000937535
2036 Feb	2431.753418	7.836434841	17.87753868	0.288301945	1398.358398	0.326111019	245.7517853	0.000418752	0.000418752	8.60013E-06	0.015693419	0.011183225	0.533891797	0.06914258	3.62222E-05	62.21455765	9.97081E-05	0.004293461	0.000937484
2036 Mar	2431.729248	7.836247921	17.87750816	0.288312525	1398.336548	0.32611838	245.7533417	0.00041878	0.00041878	8.60053E-06	0.015692979	0.011183235	0.5338853	0.069142006	3.62214E-05	62.21524429	9.97084E-05	0.004293493	0.000937456
2036 Apr	2434.884033	7.85503149	17.94184303	0.289071858	1399.78125	0.326242864	246.0078583	0.000418909	0.000418909	8.60458E-06	0.015689181	0.011200181	0.534013629	0.069128841	3.62063E-05	62.29213715	9.96707E-05	0.004296762	0.000938374
2036 May	2442.992432	7.901814938	18.11221123	0.291274518	1403.325806	0.32672897	246.7322235	0.000419752	0.000419752	8.62439E-06	0.015672604	0.01125495	0.534306526	0.069089629	3.61528E-05	62.51379776	9.95801E-05	0.004305705	0.000940179
2036 Jun	2017.03833	5.428329468	11.27710819	0.208701432	1171.184448	0.294560283	216.2826538	0.000518165	0.000518165	9.24295E-06	0.015582802	0.00975221	0.487359643	0.068436719	3.96467E-05	55.67417908	9.78619E-05	0.003893221	0.000886625
2036 Jul	1878.368774	4.868344784	9.538144112	0.184022263	1102.956543	0.279983997	201.0861969	0.000471396	0.000471396	8.24644E-06	0.015048561	0.009116421	0.466796786	0.064736187	3.57229E-05	50.89715576	9.49253E-05	0.003623434	0.0007993
2036 Aug	882.9588013	2.648116112	4.610305309	0.082526818	538.2381592	0.130601257	87.30615234	9.13417E-05	9.13417E-05	1.91173E-06	0.006808036	0.003617795	0.22227183	0.027488176	9.85264E-06	20.54225349	4.38311E-05	0.001555158	0.000294307
2036 Sep	1147.906616	3.523038387	6.740311623	0.114042871	690.3508911	0.162432432	112.2992859	0.000109258	0.000109258	2.35101E-06	0.008399773	0.004675391	0.275206625	0.033759382	1.19008E-05	26.79523659	5.32997E-05	0.00199663	0.000385847
2036 Oct	2343.65332	7.026943684	14.11805534	0.24643147	1393.025757	0.337204337	234.1410828	0.00029655	0.00029655	5.83216E-06	0.01697018	0.009777757	0.554352641	0.069473594	2.61584E-05	57.02856064	0.000108622	0.004176824	0.000808061
2036 Nov	2511.672852	8.033770561	17.80898285	0.292922854	1464.434082	0.345187694	249.0321198	0.000320025	0.000320025	6.36608E-06	0.016554466	0.010806435	0.558018506	0.06859719	2.5832E-05	61.70671463	0.000106062	0.004367913	0.000858066
2036 Dec	2556.640137	8.302379608	18.81813812	0.306011528	1483.077637	0.347592384	253.1512909	0.000327567	0.000327567	6.52957E-06	0.016423579	0.01108635	0.558734536	0.068336278	2.57279E-05	63.01049805	0.000105361	0.004421302	0.000870946
2037 Jan	2556.558594	8.301707268	18.82180786	0.306152016	1482.925049	0.34765473	253.1772308	0.000327871	0.000327871	6.53441E-06	0.016418815	0.011086678	0.558664024	0.068329863	2.57239E-05	63.02112198	0.000105357	0.004421789	0.000870804
2037 Feb	2556.40332	8.300621986	18.82141304	0.30620265	1482.79126	0.347687721	253.183548	0.000328035	0.000328035	6.537E-06	0.016416369	0.011086755	0.558624148	0.068327054	2.57218E-05	63.0244751	0.000105357	0.004421925	0.000870675
2037 Mar	2556.318848	8.300029755	18.82119751	0.306230336	1482.718262	0.347705722	253.1869659	0.000328124	0.000328124	6.53842E-06	0.016415032	0.011086796	0.558602393	0.06832552	2.57207E-05	63.02630997	0.000105358	0.004422	0.000870605
2037 Apr	2556.270264	8.299692154	18.82107353	0.306246072	1482.676636	0.347716004	253.1889038	0.000328175	0.000328175	6.53923E-06	0.016414272	0.011086821	0.558589995	0.068324648	2.572E-05	63.02735901	0.000105358	0.004422042	0.000870566
2037 May	2505.239014	7.841589928	19.28587723	0.346106619	1421.482178	0.371542782	261.5925293	0.00043395	0.00043395	8.37292E-06	0.014933083	0.012069921	0.540176272	0.06688641	2.45069E-05	66.4132843	0.000105327	0.004519713	0.000790749
2037 Jun	1968.228271	5.874642849	13.10848141	0.242097139	1103.153564	0.306777567	227.6244965	0.000687019	0.000687019	1.23801E-05	0.014496178	0.011229592	0.482565999	0.073423229	4.65302E-05	64.0185318	9.53383E-05	0.003926215	0.001003771
2037 Jul	1842.99585	6.163693428	11.80593586	0.199427024	1075.286255	0.293704391	204.9472046	0.000377257	0.000377257	7.44194E-06	0.014619114	0.009266981	0.492730886	0.064395964	3.18903E-05	52.01189804	9.4345E-05	0.003494209	0.000782429
2037 Aug	576.4898071	2.037103415	3.615087509	0.058829788	345.0662537	0.093509525	61.80129242	5.59805E-05	5.59805E-05	1.34468E-06	0.004641554	0.002568647	0.159394443	0.01898074	6.67274E-06	14.65672207	3.01524E-05	0.001053269	0.000204668
2037 Sep	497.4654541	1.727145433	3.156397343	0.05250518	294.9530334	0.081258982	54.29518509	6.40524E-05	6.40524E-05	1.43389E-06	0.00399041	0.002332183	0.13654241	0.016597854	6.55651E-06	13.09234333	2.59278E-05	0.000922304	0.000183023
2037 Oct	746.5076904	2.641067505	6.489230156	0.109373972	413.6694946	0.115744002	83.396698	0.000143579	0.000143579	2.95002E-06	0.004479133	0.00416531	0.171112984	0.020634212	8.69292E-06	21.46021461	3.13729E-05	0.001369107	0.000257693
2037 Nov	830.0455322	2.945413113	7.582844257	0.128480628	454.1867981	0.127891406	93.05301666	0.000166231	0.000166231	3.40052E-06	0.004636895	0.004824637	0.18327029	0.02193228	9.06839E-06	24.17726326	3.3346E-05	0.001513039	0.000276571
2037 Dec	834.5267944	2.967689276	7.652848244	0.129343346	456.4104309	0.128203228	93.46739197	0.000166581	0.000166581	3.40741E-06	0.004644935	0.004837079	0.183735117	0.021966271	9.08269E-06	24.29391289	3.33764E-05	0.001520053	0.000278548
2038 Jan	834.9171753	2.968536377	7.657156944	0.129461259	456.5892639	0.128298104	93.5241394	0.000166793	0.000166793	3.41095E-06	0.004645582	0.004838964	0.183799312	0.021975674	9.08506E-06	24.3099575	3.33949E-05	0.001521096	0.000278622
2038 Feb	835.0621338	2.968654156	7.658432007	0.129512638	456.6530151	0.128345504	93.54892731	0.000166905	0.000166905	3.41279E-06	0.004645814	0.004839841	0.183827534	0.021980327	9.08615E-06	24.31697083	3.34046E-05	0.001521558	0.000278631
2038 Mar	835.1412354	2.968718529	7.659127235	0.129540667	456.6878357	0.128371358	93.56243896	0.000166965	0.000166965	3.41379E-06	0.00464594	0.004840319	0.183842927	0.021982864	9.08674E-06	24.32079697	3.34099E-05	0.00152181	0.000278636
2038 Apr	835.1860962	2.968755007	7.659522533	0.129556596	456.7076111	0.12838605	93.57012177	0.000167	0.000167	3.41436E-06	0.004646012	0.004840591	0.183851674	0.021984305	9.08707E-06	24.32296944	3.34129E-05	0.001521953	0.000278638
2038 May	927.9534912	3.147358179	8.605268478	0.156661272	499.6655579	0.151610747	107.2780304	0.000218026	0.000218026	4.34806E-06	0.004817232	0.005779277	0.201107413	0.024367779	9.66754E-06	28.18829536	3.78593E-05	0.001737079	0.000283298
2038 Jun	1548.427246	4.55465889	9.878131866	0.190219253	855.859375	0.266997606	193.7324829	0.000617119	0.000617119	1.10838E-05	0.012579139	0.009560458	0.419147611	0.064378247	4.16316E-05	54.70225525	8.3582E-05	0.003323651	0.000857225
2038 Jul	684.9702148	2.192970991	4.16740799	0.072280794	390.8468933	0.119896255	84.04277039	0.000171151	0.000171151	3.36296E-06	0.006057851	0.003747807	0.202341378	0.026936362	1.46141E-05	21.37911606	3.90599E-05	0.001439355	0.000332831
2038 Aug	443.0334167	1.50641799	2.776864052	0.046073791	257.3836975	0.078741178	52.646595	6.12817E-05	6.12817E-05	1.3668E-06	0.003866134	0.002314442	0.132999554	0.016139107	6.25757E-06	12.70452118	2.5126E-05	0.000890588	0.000176879
2038 Sep	599.1439819	2.020513058	3.702931404	0.062296394	347.8602905	0.107680611	71.72620392	8.64459E-05	8.64459E-05	1.91036E-06	0.005310365	0.003072095	0.181019053	0.022076502	8.75752E-06	17.3028183	3.44741E-05	0.001220064	0.00024236
2038 Oct	483.6888428	1.600926399	3.130405664	0.054367233	276.5682373	0.086944811	58.78059006	8.90496E-05	8.90496E-05	1.85822E-06	0.004133796	0.002537717	0.14199923	0.017677864	7.75734E-06	14.47637177	2.71562E-05	0.001001283	0.000201661
2038 Nov	502.5032654	1.675862074	3.386423111	0.058410015	285.7276917	0.08927907	60.90311432	9.30267E-05	9.30267E-05	1.93908E-06	0.004170441	0.002667727	0.144607946	0.017929323	7.83704E-06	15.07381916	2.74992E-05	0.001033458	0.000207412
2038 Dec	504.7684937	1.686278224	3.420173168	0.058868222	286.8297424	0.089486122	61.14279556	9.3316E-05	9.3316E-05	1.94439E-06	0.004174801	0.002674756	0.14487502	0.017951271	7.84551E-06	15.14137077	2.7524E-05	0.001037577	0.00020846
2039 Jan	505.4903564	1.689376831	3.430544853	0.059021778	287.177063	0.089565553	61.22455978	9.34423E-05	9.34423E-05	1.94665E-06	0.004176213	0.002677254	0.144966453	0.017959567	7.84848E-06	15.1644268	2.75349E-05	0.001038991	0.000208783
2039 Feb	505.8399353	1.69083631	3.435487032	0.059096757	287.3432312	0.089606509	61.26653671	9.35077E-05	9.35077E-05	1.94782E-06	0.004176936	0.002678538	0.145013422	0.017963843	7.85E-06	15.17626381	2.75405E-05	0.001039717	0.000208948

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Mar	506.0254822	1.691604733	3.438099861	0.0591368	287.4313965	0.089628622	61.28889847	9.35434E-05	9.35434E-05	1.94846E-06	0.004177319	0.002679226	0.145038426	0.017966148	7.85081E-06	15.18256855	2.75436E-05	0.001040104	0.000209034
2039 Apr	506.0644836	1.691684008	3.438512087	0.059148531	287.4493713	0.089638256	61.2946434	9.3565E-05	9.3565E-05	1.94882E-06	0.004177384	0.002679448	0.145044997	0.017967103	7.85105E-06	15.18419361	2.75455E-05	0.001040207	0.000209041
2039 May	511.6606445	1.710156083	3.506056786	0.060401123	290.1824951	0.090524919	61.97050858	9.52156E-05	9.52156E-05	1.98538E-06	0.004188805	0.002748674	0.145975977	0.018065024	7.87784E-06	15.37402916	2.76882E-05	0.00104857	0.000209651
2039 Jun	2000.815674	6.448824883	11.76384544	0.206190035	1138.781616	0.392278731	260.816864	0.000351953	0.000351953	7.47465E-06	0.019421151	0.010418212	0.657375991	0.080765352	3.43844E-05	62.42456436	0.000127666	0.004508056	0.000900513
2039 Jul	1916.19458	5.936733246	11.73881912	0.212002516	1067.130005	0.371904939	255.1213226	0.000505411	0.000505411	9.84733E-06	0.018038901	0.011403093	0.611402214	0.078260101	4.06377E-05	63.08713531	0.000118565	0.004345841	0.000915203
2039 Aug	1219.049194	3.79143858	7.24870491	0.128918067	680.9946899	0.240368977	163.9110413	0.000306948	0.000306948	6.03377E-06	0.011765172	0.007033105	0.399722457	0.050993185	2.6152E-05	40.20275879	7.65847E-05	0.002806858	0.000597795
2039 Sep	474.9785461	1.57165277	2.803069115	0.046939209	271.1440125	0.095234595	62.40213394	6.11358E-05	6.11358E-05	1.4263E-06	0.004726022	0.002553849	0.161516532	0.019219238	7.03929E-06	14.65837383	3.06915E-05	0.001065905	0.000204107
2039 Oct	431.8786011	1.438161969	2.750368834	0.046748653	244.2953491	0.08548227	56.36979294	5.54388E-05	5.54388E-05	1.30286E-06	0.00405228	0.002378398	0.14144741	0.016660199	5.78485E-06	13.3557682	2.68019E-05	0.000956265	0.000176782
2039 Nov	439.5891113	1.474868536	2.866128683	0.048198864	248.0149384	0.086090706	57.22470474	5.61224E-05	5.61224E-05	1.3167E-06	0.004069122	0.002405128	0.1424018	0.016728774	5.81795E-06	13.59739017	2.68549E-05	0.000970614	0.00018099
2039 Dec	440.6183777	1.479441285	2.881052971	0.048406605	248.5087585	0.086191967	57.34326553	5.62724E-05	5.62724E-05	1.31944E-06	0.004071299	0.002408642	0.142533258	0.016739799	5.82274E-06	13.63094521	2.68669E-05	0.000972651	0.000181517
2040 Jan	441.15448	1.481784582	2.888748646	0.04851532	248.7640533	0.086247027	57.40732574	5.63545E-05	5.63545E-05	1.32094E-06	0.004072473	0.002410544	0.142604321	0.016745789	5.82533E-06	13.64907646	2.68735E-05	0.000973752	0.0001818
2040 Feb	441.4977722	1.483326674	2.893731594	0.048582017	248.9256897	0.086279772	57.45006943	5.63965E-05	5.63965E-05	1.32173E-06	0.00407329	0.002411767	0.142651588	0.016749412	5.82701E-06	13.66116619	2.68768E-05	0.000974482	0.000182005
2040 Mar	441.6993408	1.484244108	2.896677971	0.048620682	249.0206299	0.086298287	57.47506714	5.6419E-05	5.6419E-05	1.32216E-06	0.004073773	0.002412474	0.142679214	0.016751472	5.82799E-06	13.66823483	2.68786E-05	0.000974909	0.000182127
2040 Apr	441.8744812	1.48508513	2.899311066	0.048652433	249.1032257	0.086311735	57.49639511	5.64308E-05	5.64308E-05	1.32241E-06	0.004074205	0.002413051	0.142702714	0.016753009	5.8288E-06	13.67426014	2.68795E-05	0.000975271	0.00018224
2040 May	478.1288147	1.572950482	3.292584658	0.058512941	266.2802124	0.094107874	62.47166443	7.37463E-05	7.37463E-05	1.63568E-06	0.004139581	0.002712948	0.148740187	0.017566837	6.07005E-06	15.08679008	2.83289E-05	0.001055567	0.000187528
2040 Jun	1142.368286	3.107405663	6.923203945	0.140209392	608.5942383	0.225148812	161.4237671	0.000516171	0.000516171	9.25088E-06	0.01058196	0.007876207	0.353128701	0.053986873	3.48309E-05	45.17975616	7.09643E-05	0.002777919	0.000705644
2040 Jul	668.4940796	2.009341478	4.073928833	0.07283695	362.2744751	0.135709524	95.24568176	0.00020098	0.00020098	3.87733E-06	0.006697776	0.004320919	0.225674242	0.03020153	1.6219E-05	24.46862602	4.35315E-05	0.001626703	0.000373784
2040 Aug	450.1914978	1.463628054	2.662259817	0.04411196	250.4021454	0.097381227	64.15901947	5.80924E-05	5.80924E-05	1.38806E-06	0.004835724	0.002635391	0.165933177	0.019689418	6.92658E-06	15.12845802	3.14605E-05	0.001095386	0.000211133
2040 Sep	427.6741028	1.381587505	2.430034876	0.040630631	238.7749634	0.094275989	61.44952393	5.0891E-05	5.0891E-05	1.26535E-06	0.004715398	0.002417726	0.161019892	0.019078378	6.62729E-06	14.35931492	3.07047E-05	0.001056987	0.000202018
2040 Oct	263.2462769	0.840401173	1.885398865	0.034644969	142.2985229	0.055454846	36.7660408	4.37421E-05	4.37421E-05	9.86284E-07	0.002316026	0.001684257	0.085355259	0.0100161	3.22936E-06	8.951648712	1.62988E-05	0.000614894	0.000103824
2040 Nov	281.8420105	0.913954258	2.127788067	0.038388409	151.2857666	0.057793945	39.07447052	4.73776E-05	4.73776E-05	1.05943E-06	0.002365875	0.001800406	0.088290684	0.010294089	3.33614E-06	9.597517014	1.66536E-05	0.000651473	0.000111761
2040 Dec	284.0240784	0.923786998	2.158675909	0.038793698	152.3279724	0.058003094	39.34410477	4.76155E-05	4.76155E-05	1.06404E-06	0.002371957	0.001808096	0.088610582	0.010319465	3.34781E-06	9.673035622	1.66783E-05	0.000656081	0.000113067
2041 Jan	285.067688	0.928351998	2.17316246	0.038990319	152.8225708	0.058111407	39.47845078	4.77468E-05	4.77468E-05	1.06655E-06	0.002374964	0.001811975	0.088770352	0.010332519	3.35369E-06	9.710661888	1.66918E-05	0.000658381	0.000113702
2041 Feb	285.4841309	0.930057168	2.178711414	0.039071877	153.0178223	0.058161646	39.53538132	4.78158E-05	4.78158E-05	1.06783E-06	0.002376213	0.001813669	0.088838451	0.010338486	3.35625E-06	9.726607323	1.66988E-05	0.000659359	0.000113955
2041 Mar	285.7607422	0.931238532	2.182484627	0.039124038	153.1473083	0.058192063	39.57298279	4.78529E-05	4.78529E-05	1.06853E-06	0.002377054	0.001814756	0.088883184	0.01034215	3.35789E-06	9.737139702	1.67026E-05	0.000660003	0.000114132
2041 Apr	286.0004272	0.932328641	2.18587327	0.039166525	153.2592773	0.058214426	39.60528946	4.7873E-05	4.7873E-05	1.06895E-06	0.002377799	0.001815646	0.088921264	0.010344921	3.35925E-06	9.746188164	1.67048E-05	0.000660553	0.000114299
2041 May	341.7324524	1.181833506	2.962832689	0.04902887	179.5668335	0.063529626	46.92576218	5.30041E-05	5.30041E-05	1.18802E-06	0.002547032	0.002108383	0.097865537	0.011009257	3.66869E-06	11.79511166	1.72514E-05	0.000778506	0.000148941
2041 Jun	1395.217529	3.947757721	8.164455414	0.156532288	738.8387451	0.31123504	214.2145844	0.000468665	0.000468665	8.95392E-06	0.015118758	0.009316262	0.507357776	0.06639991	3.65685E-05	53.52950287	0.000100045	0.003686839	0.000792374
2041 Jul	1122.717773	3.073602915	6.902840137	0.133662	584.5621948	0.241656676	172.0302887	0.000472071	0.000472071	8.75668E-06	0.01159	0.008426009	0.389160186	0.052859724	3.38666E-05	44.16281128	7.63167E-05	0.002904781	0.000656404
2041 Aug	479.5085449	1.513837934	2.713145256	0.044730216	259.6885986	0.114761904	75.21586609	6.24978E-05	6.24978E-05	1.51934E-06	0.005777685	0.002990169	0.196946099	0.023102032	7.98294E-06	17.48526192	3.74349E-05	0.001289743	0.000245675
2041 Sep	453.5381165	1.435318708	2.48150897	0.041141666	247.0519257	0.111089595	71.52842712	4.42594E-05	4.42594E-05	1.22867E-06	0.00558956	0.00275495	0.190729991	0.022129331	6.92834E-06	16.39909744	3.6452E-05	0.001231113	0.000226558
2041 Oct	549.5908813	1.729016185	3.195172787	0.054159399	296.772644	0.131500646	85.9556427	6.88658E-05	6.88658E-05	1.74293E-06	0.006458673	0.003417444	0.222181708	0.026013296	8.73639E-06	20.04865265	4.23351E-05	0.001472983	0.000274463
2041 Nov	561.826416	1.777250648	3.362832785	0.056795053	302.5189209	0.132933334	87.52203369	7.14831E-05	7.14831E-05	1.79416E-06	0.006478282	0.003495768	0.223813251	0.026151333	8.79343E-06	20.49935722	4.24816E-05	0.001497682	0.000280059
2041 Dec	563.5487671	1.785419941	3.388884068	0.057113096	303.311676	0.133060262	87.74775696	7.16077E-05	7.16077E-05	1.7967E-06	0.006481864	0.003501717	0.224035352	0.026163587	8.80095E-06	20.56405258	4.24828E-05	0.001501503	0.000281295
2042 Jan	564.0442505	1.7875489	3.39603281	0.057214476	303.5390625	0.133109391	87.81437683	7.16841E-05	7.16841E-05	1.79808E-06	0.006482771	0.003503611	0.224100083	0.026168179	8.80327E-06	20.58321571	4.24862E-05	0.001502643	0.000281613
2042 Feb	564.2280273	1.788261056	3.398555756	0.057254847	303.6220093	0.133132026	87.84099579	7.17248E-05	7.17248E-05	1.7988E-06	0.006483094	0.003504402	0.224125728	0.026170263	8.80422E-06	20.59089088	4.24883E-05	0.001503101	0.000281728
2042 Mar	564.3911133	1.788969994	3.400910378	0.057286818	303.6950989	0.133147657	87.86473083	7.17456E-05	7.17456E-05	1.79919E-06	0.006483441	0.003505055	0.224148929	0.026171744	8.80503E-06	20.59770775	4.2489E-05	0.001503505	0.000281849
2042 Apr	565.0025635	1.792021155	3.410331011	0.057387125	303.9669189	0.133183762	87.95438385	7.17466E-05	7.17466E-05	1.79942E-06	0.006485049	0.003507249	0.224238142	0.026175413	8.8079E-06	20.62331772	4.24858E-05	0.001505008	0.000282398
2042 May	581.151001	1.839895248	3.605115891	0.061509002	311.5993042	0.135951787	90.07501221	7.80086E-05	7.80086E-05	1.91676E-06	0.006502343	0.003646704	0.226488382	0.026436849	8.89224E-06	21.23721313	4.28948E-05	0.001537437	0.000286032
2042 Jun	1212.428101	3.409754515	7.007894993	0.134820163	637.8069458	0.281895548	191.2678986	0.000382656	0.000382656	7.5001E-06	0.013595851	0.008419354	0.459661037	0.059367355	3.0703E-05	47.39415359	9.04664E-05	0.003277721	0.000682861
2042 Jul	785.1858521	2.194409069	4.580093384	0.085083544	406.1390381	0.185609609	128.2799072	0.000266878	0.000266878	5.15561E-06	0.009117769	0.005794983	0.307200432	0.039668109	2.14654E-05	31.83185005	5.95031E-05	0.002183287	0.000470527
2042 Aug	863.9437866	2.489689827	5.024790764	0.090277195	447.0977783	0.214107826	144.3713989	0.000228389	0.000228389	4.69352E-06	0.010356659	0.006302857	0.355921984	0.044236336	2.04075E-05	35.12282562	6.75178E-05	0.00245549	0.000499624
2042 Sep	460.3410034	1.356299162	2.535075188	0.044295762	240.2032928	0.119221739	78.43915558	8.93296E-05	8.93296E-05	1.99618E-06	0.005890991	0.00318476	0.201175287	0.024296606	9.59486E-06	18.60506058	3.82922E-05	0.001345989	0.000262817
2042 Oct	521.2367554	1.557328939	3.044531584	0.053437795	271.5015259	0.133163452	87.72625732	9.32494E-05	9.32494E-05	2.14737E-06	0.00642931	0.003658708	0.221938059	0.026487904	9.8393E-06	20.83556747	4.2182E-05	0.001494966	0.000283228
2042 Nov	528.1427002	1.58736074	3.142724991	0.05476195	274.6691589	0.133812055	88.68715668	9.40562E-05	9.40562E-05	2.16433E-06	0.006443888	0.003694666	0.222922295	0.026550531	9.86973E-06	21.11045265	4.22145E-05	0.001510601	0.000287809
2042 Dec	529.1760254	1.592135072	3.157949448	0.054949649	275.135498	0.133894399	88.8358078	9.41264E-05	9.41264E-05	2.16581E-06	0.006446281	0.003698509	0.22306937	0.026558382	9.8743E-06	21.15294838	4.22151E-05	0.001513119	0.000288627
2043 Jan	529.6461182	1.594254017	3.164788246	0.055037167	275.3471985	0.13393487	88.90422058	9.41673E-05	9.41673E-05	2.16663E-06	0.006447349	0.003700307	0.223136902	0.02656221	9.87642E-06	21.1725235	4.2216E-05	0.00151428	0.000288994
2043 Feb	529.7340088	1.594553828	3.165913105	0.055057894	275.3868103	0.133947924	88.91751099	9.41926E-05	9.41926E-05	2.16707E-06	0.00644749	0.003700715	0.223149657	0.026563382	9.87686E-06	21.17635155	4.22175E-05	0.001514511	0.000289044
2043 Mar	529.7576294	1.594596148	3.166157484	0.055065479	275.3979492	0.133953616	88.92076874	9.42072E-05	9.42072E-05	2.16731E-06	0.006447493	0.003700844	0.223152637	0.026563877	9.87698E-06	21.17730522	4.22185E-05	0.00151457	0.000289046
2043 Apr	529.7721558	1.594625711	3.166313171	0.055069964	275.4047852	0.133956924	88.92281342	9.42154E-05	9.42154E-05	2.16745E-06	0.006447498	0.003700922	0.223154515	0.026564164	9.87706E-06	21.17789841	4.22191E-05	0.001514607	0.000289048
2043 May	547.0092773	1.637085915	3.357803822	0.059861857	283.7202759	0.137388974	91.12294769	0.000102397	0.000102397	2.31715E-06	0.006458957	0.003855487	0.225488648	0.026880337	9.95962E-06	21.81528473	4.27904E-05	0.0015485	0.000290405
2043 Jun	1057.492676	2.812410355	5.980632782	0.118140288	539.1362305	0.258918405	177.3444672	0.000393862	0.000393862	7.49182E-06	0.012472698	0.007892556	0.420284629	0.057820801	3.03748E-05	46.29718781	8.28574E-05	0.003059337	0.000694535
2043 Jul	675.8018188	1.834385872	3.746892691	0.070445277	342.602417	0.172642618	117.6121826	0.000221064	0.000221064	4.3529E-06	0.008504673	0.005110922	0.286833823	0.037666958	1.86777E-05	29.63549614	5.57359E-05	0.002021605	0.000443302
2043 Aug	407.1409607	1.168574929	2.29730916	0.040216733	206.0868683	0.110367425	73.29454803	8.64455E-05	8.64455E-05	1.92164E-06	0.00540498	0.003116658	0.185839623	0.022548284	8.88368E-06	17.56484604	3.53049E-05	0.001248196	0.000245868
2043 Sep	426.7934875	1.249530911	2.291754723	0.038716294	216.6427307	0.121207237	79.0688858	6.19944E-05	6.19944E-05	1.57122E-06	0.006036739	0.003116002	0.206947505	0.024367042	8.2652E-06	18.44251251	3.93057E-05	0.001358086	0.000257739
2043 Oct	417.6305847	1.230561972	2.497612953	0.044515751	211.0964966	0.115486421	75.46826935	6.0305E-05	6.0305E-05	1.52248E-06	0.005419137	0.003043294	0.190496519	0.022151422	6.89823E-06	17.74745178	3.62451E-05	0.001289379	0.000231811
2043 Nov	462.7875977	1.354175806	3.003485918	0.056101881	232.8730774	0.123814143	81.3815918	7.92238E-05	7.92238E-05	1.8702E-06	0.005480423	0.003414835	0.197119579	0.022980582	7.1697E-06	19.4469471	3.76224E-05	0.001382184	0.000240645
2043 Dec	463.1913452	1.355360746	3.00820446	0.056203675	233.0603485	0.123885326	81.44047546	7.93788E-05	7.93788E-05	1.87285E-06	0.005481081	0.003416803	0.197179481	0.022987485	7.17229E-06	19.46388626	3.76333E-05	0.00138322	0.000240819
2044 Jan	463.2724304	1.355567575	3.009144545	0.056226052	233.0966034	0.123899214	81.45136261	7.94498E-05	7.94498E-05	1.87362E-06	0.005481227	0.003417241	0.19718641	0.022990854	7.17281E-06	19.46899986	3.76355E-05	0.001383431	0.000240885
2044 Feb	463.2583618	1.355513573	3.009013653	0.056223623	233.0879364	0.123894624	81.44833374	7.94904E-05	7.94904E-05	1.87376E-06	0.005481246	0.003417214	0.197178036	0.022993036	7.17272E-06	19.47067642	3.76347E-05	0.001383401	0.000240928
2044 Mar	463.2519531	1.355488896	3.00895381	0.05622251	233.0839996	0.123892546	81.44694519	7.95089E-05	7.95089E-05	1.87382E-06	0.005481254	0.003417202	0.197174206	0.022994032	7.17267E-06	19.47144127	3.76343E-05	0.001383387	0.000240947
2044 Apr	463.2483826	1.355475187	3.00892067	0.056221895	233.0817871	0.123891383	81.44616699	7.95192E-05	7.95192E-05	1.87386E-06	0.005481259	0.003417195	0.197172076	0.022994585	7.17265E-06	19.4718647	3.76342E-05	0.00138338	0.000240958
2044 May	462.9361877	1.354398847	3.006421804	0.056175683	232.9045563	0.12380445	81.38410187	8.02895E-05	8.02895E-05	1.87647E-06	0.005482255	0.003415872	0.197014153	0.023010476	7.17083E-06	19.48379707	3.76204E-05	0.001382599	0.000241302
2044 Jun	413.0418701	1.195074916	2.648569822	0.049586859	206.1081543	0.111408599	72.01279449	0.000190117	0.000190117	2.24947E-06	0.005701235	0.003131232	0.17464979	0.02223286	6.9116E-06	18.81430435	3.5789E-05	0.00124654	0.000235783
2044 Jul	398.0412292	1.147974968	2.543589354	0.047656029	198.1543884	0.107828058	69.23329163	0.000222302	0.000222302	2.35878E-06	0.005763476	0.003041816	0.168100089	0.021801533	6.83563E-06	18.45696831	3.5213E-05	0.001204677	0.000230387
2044 Aug	394.7206116	1.137617111	2.519877672	0.0472201	196.4011841	0.107222125	68.62190247	0.000229568	0.000229568	2.38345E-06	0.005761163	0.003023449	0.166642815	0.021736434	6.81848E-06	18.41180992	3.49307E-05	0.001195099	0.000229168
2044 Sep	381.0578918	1.095673203	2.421026468	0.045402855	189.1474915	0.104750507	66.09722137	0.000259859	0.000259859	2.48633E-06	0.005798233	0.002947209	0.160590544	0.021505116	6.74698E-06	18.27396202	3.38949E-05	0.001155974	0.000224513
2044 Oct	374.0639648	1.074834704	2.369818211	0.044461731	185.4140167	0.103484087	64.80522156	0.000275547	0.000275547	2.53961E-06	0.005855498	0.002908269	0.157433733	0.021413866	6.70996E-06	18.22364616	3.34944E-05	0.001135712	0.000222509
2044 Nov	372.7429504	1.070898771	2.360146046	0.044283971	184.7088318	0.103244886	64.56118774	0.00027851	0.00027851	2.54967E-06	0.005866314	0.002900914	0.156837478	0.021396631	6.70296E-06	18.21414375	3.34188E-05	0.001131885	0.000222131
2044 Dec	372.6769104	1.070701957	2.359662771	0.044275086	184.6735992	0.103232928	64.54898834	0.000278658	0.000278658	2.55017E-06	0.005866855	0.002900547	0.156807676	0.021395771	6.70261E-06	18.21366882	3.3415E-05	0.001131694	0.000222112
2045 Jan	372.6577454	1.070637584	2.359504461	0.044272162	184.6626434	0.103228301	64.54518127	0.000278706	0.000278706	2.55034E-06	0.005866961	0.002900472	0.156797722	0.021397013	6.7025E-06	18.21466064	3.34139E-05	0.001131645	0.000222135
2045 Feb	372.6521301	1.070614576	2.359447479	0.044271104	184.6590118	0.103226267	64.54390717	0.000278724	0.000278724	2.5504E-06	0.005866962	0.00290047	0.156794056	0.021398261	6.70246E-06	18.21562004	3.34136E-05	0.001131634	0.000222159
2045 Mar	372.6496277	1.070604205	2.359422207	0.044270627	184.6573792	0.10322535	64.54333496	0.000278732	0.000278732	2.55043E-06	0.005866962	0.002900469	0.156792402	0.021398824	6.70244E-06	18.2160511	3.34134E-05	0.001131629	0.00022217
2045 Apr	372.6482239	1.070598364	2.359407663	0.044270355	184.6564636	0.103224836	64.5430069	0.000278737	0.000278737	2.55044E-06	0.005866962	0.002900468	0.156791478	0.021399142	6.70243E-06	18.21629715	3.34133E-05	0.001131627	0.000222176
2045 May	372.6473694	1.070595145	2.359399796	0.04427021	184.6559448	0.103224553	64.54283142	0.000278739	0.000278739	2.55045E-06	0.005866963	0.002900466	0.156790957	0.021399274	6.70242E-06	18.21639824	3.34133E-05	0.001131625	0.000222179
2045 Jun	345.4592285	0.985005975	2.169563055	0.040778343	170.2264709	0.096508399	59.49568176	0.00033694	0.00033694	2.74813E-06	0.005994712	0.002736207	0.144945055	0.020576233	6.56504E-06	17.53318977	3.25326E-05	0.001056444	0.00021232
2045 Jul	330.0975647	0.936667144	2.062355995	0.038806494	162.0838165	0.092782021	56.64910889	0.000369812	0.000369812	2.85975E-06	0.006057618	0.002644269	0.138247356	0.020120505	6.48746E-06	17.15103149	3.19743E-05	0.001013641	0.000206752
2045 Aug	326.9144592	0.926727653	2.039695978	0.038389951	160.4086304	0.092226475	56.06546783	0.000376756	0.000376756	2.88333E-06	0.006050425	0.002627032	0.136850089	0.020060493	6.47107E-06	17.10733986	3.16771E-05	0.001004315	0.000205576
2045 Sep	322.0083618	0.911769927	2.003963947	0.03773313	157.8020477	0.091386802	55.15939713	0.000387704	0.000387704	2.92052E-06	0.006065264	0.00259998	0.134667367	0.019989097	6.44523E-06	17.07052422	3.12834E-05	0.000990186	0.000203946
2045 Oct	320.5278931	0.907402337	1.993040562	0.0375324	157.0107574	0.091133311	54.88606644	0.00039105	0.00039105	2.93188E-06	0.006078568	0.002591838	0.133995146	0.019973857	6.43733E-06	17.06412888	3.11945E-05	0.000985868	0.000203542
2045 Nov	320.4133606	0.907064438	1.992195368	0.03751687	156.9495544	0.091113701	54.86492157	0.000391309	0.000391309	2.93276E-06	0.006079598	0.002591208	0.133943126	0.019972678	6.43672E-06	17.06363297	3.11876E-05	0.000985533	0.000203511
2045 Dec	320.3591919	0.906904697	1.991795897	0.037509535	156.9206085	0.091104433	54.85492325	0.000391431	0.000391431	2.93318E-06	0.006080084	0.00259091	0.133918539	0.019972119	6.43643E-06	17.06339836	3.11843E-05	0.000985376	0.000203496
2046 Jan	320.3469849	0.90686661	1.991700888	0.03750778	156.9138947	0.091102026	54.85259247	0.00039146	0.00039146	2.93327E-06	0.00608018	0.002590852	0.133912638	0.019972418	6.43636E-06	17.06366539	3.11836E-05	0.000985342	0.000203501

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Feb	320.3451233	0.906858444	1.991680145	0.037507392	156.9126129	0.091101266	54.85214615	0.000391467	0.000391467	2.9333E-06	0.006080179	0.002590854	0.133911297	0.019972973	6.43635E-06	17.06409454	3.11835E-05	0.000985339	0.000203511
2046 Mar	320.3441162	0.906853914	1.99166894	0.037507184	156.9119263	0.091100864	54.85190201	0.00039147	0.00039147	2.93331E-06	0.006080177	0.002590856	0.133910567	0.019973276	6.43634E-06	17.06432724	3.11834E-05	0.000985337	0.000203517
2046 Apr	320.3391724	0.906832039	1.991613984	0.037506156	156.9085388	0.091098867	54.85071182	0.000391487	0.000391487	2.93337E-06	0.006080172	0.002590861	0.133907005	0.019974748	6.4363E-06	17.06546211	3.11831E-05	0.000985329	0.000203545
2046 May	320.0326843	0.905711889	1.988976717	0.03745725	156.7273712	0.091003612	54.78714752	0.000392303	0.000392303	2.93614E-06	0.006080939	0.002589884	0.133738846	0.020005275	6.43437E-06	17.08859634	3.11697E-05	0.000984622	0.000204165
2046 Jun	296.9893799	0.832025051	1.824813485	0.034434754	144.3680115	0.085117042	50.46175003	0.000442684	0.000442684	3.10724E-06	0.006186922	0.002456268	0.123465218	0.019572619	6.31546E-06	16.71180725	3.04388E-05	0.000921998	0.000200865
2046 Jul	280.1412659	0.779051304	1.707684398	0.032280665	135.4546814	0.081050269	47.34638596	0.00047859	0.00047859	3.22918E-06	0.006250376	0.002355337	0.116138808	0.019050784	6.2307E-06	16.27038383	2.9809E-05	0.000874806	0.000194366
2046 Aug	277.4187622	0.770570576	1.688232422	0.031923145	134.0240631	0.080611683	46.84798431	0.000484549	0.000484549	3.24942E-06	0.006241364	0.002340737	0.114946172	0.019001696	6.21664E-06	16.2376976	2.95255E-05	0.000866791	0.000193288
2046 Sep	271.3647461	0.752196968	1.643954158	0.031109383	130.811615	0.079658292	45.73189163	0.000498114	0.000498114	3.29549E-06	0.006255307	0.0023077	0.112254679	0.018920163	6.18462E-06	16.20362663	2.89807E-05	0.000849244	0.000191135
2046 Oct	267.2814941	0.740339398	1.613574266	0.03055127	128.6278381	0.079015858	44.97947311	0.0005074 17	0.000507417	3.32709E-06	0.006296915	0.002285499	0.110389851	0.018888276	6.16266E-06	16.19799805	2.87216E-05	0.000837209	0.000190002
2046 Nov	266.4928284	0.73804903	1.60770607	0.030443465	128.2060242	0.078891769	44.83413696	0.000509214	0.000509214	3.33319E-06	0.006304952	0.002281211	0.110029653	0.018882118	6.15842E-06	16.19691277	2.86715E-05	0.000834885	0.000189783
2046 Dec	266.4350586	0.737881362	1.60727644	0.030435573	128.1751556	0.078882687	44.82349777	0.000509345	0.000509345	3.33364E-06	0.00630554	0.002280897	0.110003285	0.018881669	6.15811E-06	16.19683266	2.86679E-05	0.000834714	0.000189767
2047 Jan	266.4238281	0.737846136	1.607186198	0.030433908	128.1688843	0.078880511	44.82132721	0.000509373	0.000509373	3.33373E-06	0.006305638	0.002280848	0.109997667	0.018882137	6.15805E-06	16.19724083	2.86671E-05	0.000834684	0.000189774
2047 Feb	266.4221802	0.737837851	1.607164979	0.030433508	128.1676331	0.078879714	44.82088852	0.00050938	0.00050938	3.33375E-06	0.006305633	0.002280855	0.109996267	0.018882863	6.15803E-06	16.19779968	2.8667E-05	0.000834682	0.000189788
2047 Mar	266.4212952	0.737833381	1.607153416	0.030433292	128.1669617	0.078879282	44.82065201	0.000509383	0.000509383	3.33377E-06	0.006305629	0.002280859	0.109995514	0.018883258	6.15802E-06	16.19810486	2.8667E-05	0.000834681	0.000189796
2047 Apr	266.4207458	0.737830818	1.607146859	0.030433169	128.1665649	0.078879036	44.82051468	0.000509385	0.000509385	3.33377E-06	0.006305628	0.002280861	0.109995075	0.018883483	6.15802E-06	16.19827652	2.86669E-05	0.00083468	0.0001898
2047 May	264.9264832	0.732166588	1.593728542	0.030183898	127.26091	0.078380384	44.50233841	0.00051354	0.00051354	3.34788E-06	0.006308755	0.002277065	0.109135091	0.019078027	6.14821E-06	16.34589577	2.86041E-05	0.000831423	0.000193698
2047 Jun	252.5283051	0.687446475	1.489715815	0.028256208	120.0182419	0.074524172	41.96020889	0.000545673	0.000545673	3.45701E-06	0.006344975	0.002232683	0.102508567	0.020106466	6.07237E-06	17.11666679	2.81378E-05	0.000802348	0.000215302
2047 Jul	250.0957184	0.679857194	1.473110437	0.027951034	118.7434464	0.073954597	41.51498032	0.00055076	0.00055076	3.47429E-06	0.006351644	0.002217876	0.101467632	0.020012341	6.06036E-06	17.03644943	2.8037E-05	0.000795389	0.000214011
2047 Aug	248.2658539	0.674208105	1.46016109	0.027713178	117.7885818	0.073681593	41.18219376	0.000554724	0.000554724	3.48775E-06	0.006344337	0.002207797	0.100679666	0.019966742	6.051E-06	17.00660515	2.78336E-05	0.000789961	0.000213004
2047 Sep	243.9657898	0.661360979	1.428996086	0.027140824	115.5221634	0.073054574	40.39571762	0.000564265	0.000564265	3.52015E-06	0.006355545	0.002183776	0.098792739	0.019881226	6.02848E-06	16.96353149	2.74337E-05	0.000777321	0.000210851
2047 Oct	240.7913666	0.652328014	1.405560493	0.026710609	113.8348846	0.072592862	39.81549454	0.000571436	0.000571436	3.54451E-06	0.006390837	0.002166105	0.097358577	0.0198371	6.01156E-06	16.94602966	2.72291E-05	0.00076782	0.000209521
2047 Nov	239.9836731	0.650029719	1.399597764	0.026601149	113.4055939	0.072475381	39.66786194	0.00057326	0.00057326	3.5507E-06	0.006399816	0.002161608	0.096993677	0.019825874	6.00725E-06	16.941576	2.7177E-05	0.000765402	0.000209182
2047 Dec	239.9387512	0.649901867	1.399266005	0.026595058	113.3817062	0.072468847	39.6596489	0.000573362	0.000573362	3.55105E-06	0.006400316	0.002161358	0.096973382	0.01982525	6.00701E-06	16.94132805	2.71742E-05	0.000765268	0.000209163
2048 Jan	239.9234924	0.649855912	1.399146795	0.026592864	113.3733292	0.072466239	39.65676117	0.000573399	0.000573399	3.55117E-06	0.00640047	0.002161285	0.096966013	0.019825585	6.00692E-06	16.94166183	2.71732E-05	0.000765224	0.000209167
2048 Feb	239.9221497	0.64984864	1.399127722	0.026592506	113.3722687	0.072465509	39.65638733	0.000573405	0.000573405	3.55119E-06	0.006400463	0.002161294	0.096964762	0.019826317	6.00691E-06	16.9422245	2.71731E-05	0.000765223	0.000209181
2048 Mar	239.9214325	0.649844766	1.39911747	0.026592314	113.3716888	0.072465122	39.65618134	0.000573408	0.000573408	3.55121E-06	0.006400459	0.002161299	0.096964084	0.019826714	6.0069E-06	16.94253159	2.7173E-05	0.000765223	0.000209188
2048 Apr	239.9161682	0.649816036	1.399042726	0.026590908	113.3674698	0.072462231	39.65468979	0.000573431	0.000573431	3.55128E-06	0.006400432	0.002161334	0.096959136	0.019829609	6.00685E-06	16.94475937	2.71726E-05	0.000765219	0.000209243
2048 May	239.9129944	0.649799883	1.399001241	0.026590127	113.3650513	0.072460629	39.65383911	0.000573444	0.000573444	3.55133E-06	0.00640042	0.002161349	0.096956395	0.019831071	6.00682E-06	16.9458828	2.71724E-05	0.000765216	0.000209271
2048 Jun	227.6346588	0.611293733	1.315192938	0.025049342	106.8958054	0.06930197	37.38814163	0.000599127	0.000599127	3.63855E-06	0.006463401	0.002083563	0.091720305	0.01931986	5.9462E-06	16.51921272	2.68907E-05	0.000731253	0.000202843
2048 Jul	216.8798523	0.577623248	1.241950393	0.023703063	101.2474747	0.066638447	35.41226959	0.000621568	0.000621568	3.71477E-06	0.006505187	0.00201654	0.087133445	0.018878501	5.89323E-06	16.14560127	2.65562E-05	0.000701007	0.000197086
2048 Aug	213.5660858	0.567381442	1.218584895	0.023273958	99.52583313	0.066182442	34.81301498	0.000628721	0.000628721	3.73906E-06	0.006484908	0.001998818	0.085705884	0.018799776	5.87635E-06	16.09170341	2.61487E-05	0.000690975	0.000195251
2048 Sep	210.3166504	0.557753325	1.194823027	0.022837622	97.81208038	0.065756463	34.21915817	0.000635994	0.000635994	3.76376E-06	0.006493487	0.001980965	0.084273368	0.018745264	5.85918E-06	16.07084465	2.582E-05	0.000681357	0.000193642
2048 Oct	207.9594727	0.551162243	1.177209973	0.02251436	96.55659485	0.065449193	33.78869629	0.000641382	0.000641382	3.78206E-06	0.00652319	0.001968072	0.083198324	0.018722391	5.84646E-06	16.06831551	2.56598E-05	0.00067423 1	0.0001927
2048 Nov	207.2503815	0.549179435	1.171911716	0.022417115	96.17892456	0.065356769	33.65920639	0.000643003	0.000643003	3.78757E-06	0.006532125	0.001964194	0.082874924	0.018715508	5.84263E-06	16.06755447	2.56116E-05	0.000672088	0.000192416
2048 Dec	207.2341309	0.549134016	1.171790123	0.022414885	96.1702652	0.065354653	33.65623474	0.00064304	0.00064304	3.78769E-06	0.00653233	0.001964105	0.082867518	0.018715352	5.84255E-06	16.06753731	2.56105E-05	0.000672039	0.00019241
2049 Jan	207.2304688	0.549121022	1.171755314	0.022414241	96.16802216	0.065353759	33.65545654	0.000643051	0.000643051	3.78773E-06	0.00653236	0.001964098	0.082865313	0.01871592	5.84252E-06	16.06799507	2.56103E-05	0.00067203	0.00019242
2049 Feb	207.2295074	0.549114645	1.171738386	0.022413917	96.16712189	0.065353073	33.65513992	0.000643056	0.000643056	3.78775E-06	0.006532351	0.001964111	0.082864173	0.01871673	5.84251E-06	16.06861877	2.56102E-05	0.00067203	0.000192435
2049 Mar	207.2289886	0.549111247	1.171729088	0.022413742	96.16663361	0.065352701	33.65496445	0.000643059	0.000643059	3.78776E-06	0.006532345	0.001964117	0.082863547	0.018717172	5.8425E-06	16.06895828	2.56101E-05	0.000672031	0.000192443
2049 Apr	207.2286987	0.549109221	1.171723723	0.022413641	96.16635895	0.065352492	33.65486908	0.000643061	0.000643061	3.78776E-06	0.006532343	0.001964121	0.082863189	0.018717423	5.8425E-06	16.06915092	2.56101E-05	0.000672031	0.000192448
2049 May	207.1330719	0.54871738	1.170785904	0.022396162	96.10520172	0.06531547	33.63331985	0.000643352	0.000643352	3.78875E-06	0.006532458	0.001964015	0.082802445	0.018736353	5.84181E-06	16.08351898	2.56066E-05	0.00067185	0.000192822
2049 Jun	195.7933044	0.512597561	1.092278004	0.020951558	90.07728577	0.062255908	31.52001572	0.000667432	0.000667432	3.87053E-06	0.006591089	0.001893956	0.07788042	0.018358765	5.78497E-06	15.75813293	2.53915E-05	0.000641063	0.00018891
2049 Jul	188.8047638	0.490696818	1.045005083	0.020082783	86.42219543	0.060563207	30.24246216	0.000681914	0.000681914	3.91971E-06	0.006607946	0.001850973	0.074906014	0.018067198	5.75079E-06	15.50465393	2.51299E-05	0.000621082	0.000185039
2049 Aug	187.694809	0.487264693	1.037246346	0.019940337	85.84941864	0.060423892	30.04348373	0.000684288	0.000684288	3.92778E-06	0.006598347	0.001845237	0.074428275	0.018040976	5.74519E-06	15.48490715	2.49796E-05	0.000617625	0.000184404
2049 Sep	184.8424683	0.478981078	1.01613462	0.019552784	84.34269714	0.060098823	29.52312088	0.000690748	0.000690748	3.94972E-06	0.006610755	0.001829814	0.07315933	0.01800389	5.72994E-06	15.47872925	2.46808E-05	0.00060908	0.000183007
2049 Oct	182.6166534	0.472882777	0.999309123	0.019244062	83.15554047	0.059847578	29.11738396	0.000695894	0.000695894	3.96719E-06	0.006642193	0.001817837	0.072135806	0.017990513	5.71779E-06	15.48573971	2.45197E-05	0.000602273	0.000182125
2049 Nov	182.0823822	0.471419007	0.99527055	0.01916996	82.87059021	0.05978727	29.01999474	0.000697129	0.000697129	3.97139E-06	0.006649739	0.001814961	0.071890138	0.017987302	5.71488E-06	15.48742104	2.4481E-05	0.000600639	0.000181913
2049 Dec	182.0502167	0.471330851	0.995027363	0.019165497	82.8534317	0.059783641	29.01412964	0.000697204	0.000697204	3.97164E-06	0.006650194	0.001814788	0.071875341	0.017987108	5.7147E-06	15.48752308	2.44787E-05	0.00060054	0.0001819
2050 Jan	182.046051	0.471316993	0.994989038	0.019164789	82.85094452	0.059782807	29.01327324	0.000697215	0.000697215	3.97168E-06	0.006650239	0.001814778	0.071872942	0.017987642	5.71467E-06	15.48796368	2.44784E-05	0.00060053	0.000181909
2050 Feb	182.045517	0.471312255	0.994975805	0.019164538	82.85030365	0.059782259	29.01304245	0.00069722	0.00069722	3.9717E-06	0.006650229	0.001814792	0.071872041	0.017988395	5.71466E-06	15.48854446	2.44783E-05	0.000600531	0.000181923
2050 Mar	182.0452423	0.471309662	0.994968593	0.019164402	82.84996033	0.059781961	29.01291847	0.000697222	0.000697222	3.9717E-06	0.006650223	0.001814799	0.071871556	0.017988807	5.71466E-06	15.48886108	2.44783E-05	0.000600532	0.000181931
2050 Apr	182.0450745	0.471308202	0.99496448	0.019164324	82.84975433	0.05978179	29.0128479	0.000697223	0.000697223	3.97171E-06	0.00665022	0.001814803	0.071871273	0.017989041	5.71466E-06	15.48904228	2.44782E-05	0.000600532	0.000181935
2050 May	182.0068207	0.471140772	0.994559705	0.01915676	82.82411957	0.059765223	29.00379562	0.000697349	0.000697349	3.97214E-06	0.006650229	0.001814812	0.071844861	0.017999018	5.71436E-06	15.49662685	2.44769E-05	0.00060047	0.000182131
2050 Jun	174.036026	0.444780022	0.936890662	0.018093303	78.48471069	0.057436138	27.47987747	0.000715076	0.000715076	4.03234E-06	0.006688552	0.001769818	0.068205521	0.017937772	5.67252E-06	15.42253113	2.43474E-05	0.000579763	0.000183368
2050 Jul	167.6620178	0.424808711	0.894203424	0.017309055	75.17111969	0.055941097	26.32273865	0.000728148	0.000728148	4.07674E-06	0.006692448	0.001731057	0.065506905	0.017659092	5.64166E-06	15.17457199	2.40576E-05	0.000561168	0.000179543
2050 Aug	166.2281342	0.420370936	0.884467959	0.017130433	74.44193268	0.055771664	26.07063675	0.000731126	0.000731126	4.08685E-06	0.006674621	0.001724049	0.064891055	0.017621016	5.63463E-06	15.13809681	2.38489E-05	0.000556439	0.000178671
2050 Sep	164.3827972	0.415017813	0.870776892	0.016879158	73.47024536	0.05559529	25.7348156	0.000735314	0.000735314	4.10107E-06	0.006679052	0.00171414	0.064075828	0.017596453	5.62475E-06	15.1366787	2.36253E-05	0.000550886	0.000177656
2050 Oct	163.8816071	0.41367957	0.866947114	0.016808916	73.20274353	0.055548422	25.64371109	0.000736485	0.000736485	4.10505E-06	0.006687107	0.001711468	0.063843921	0.017594701	5.62199E-06	15.1400547	2.35872E-05	0.000549334	0.000177445
2050 Nov	163.7929993	0.413443029	0.866270065	0.016796498	73.15545654	0.055540137	25.62760735	0.000736692	0.000736692	4.10575E-06	0.006688531	0.001710995	0.06380292	0.01759439	5.6215E-06	15.1406517	2.35804E-05	0.00054906	0.000177408
2050 Dec	163.7768097	0.413399816	0.866146326	0.016794229	73.14682007	0.055538621	25.62466431	0.00073673	0.00073673	4.10588E-06	0.006688791	0.001710909	0.06379544	0.017594334	5.62141E-06	15.14076042	2.35792E-05	0.00054901	0.000177401
2051 Jan	163.7710419	0.413381785	0.866094649	0.016793273	73.14345551	0.055537701	25.62351036	0.000736746	0.000736746	4.10593E-06	0.006688871	0.001710892	0.063792229	0.017594939	5.62137E-06	15.14127922	2.35787E-05	0.000548994	0.00017741
2051 Feb	163.770752	0.413377404	0.866081893	0.016793029	73.1428833	0.055537157	25.62330818	0.00073675	0.00073675	4.10595E-06	0.00668886	0.001710909	0.063791357	0.017595783	5.62136E-06	15.14193249	2.35787E-05	0.000548997	0.000177426
2051 Mar	163.7705841	0.41337499	0.866074979	0.016792899	73.14257813	0.055536859	25.62319946	0.000736752	0.000736752	4.10596E-06	0.006688853	0.001710918	0.063790873	0.017596245	5.62135E-06	15.14228821	2.35787E-05	0.000548998	0.000177435
2051 Apr	163.7704926	0.413373649	0.866071045	0.016792823	73.14241028	0.055536687	25.62313461	0.000736753	0.000736753	4.10596E-06	0.006688849	0.001710923	0.063790604	0.017596507	5.62135E-06	15.14249039	2.35786E-05	0.000548999	0.00017744
2051 May	163.4704895	0.411973387	0.862641871	0.016728606	72.93132019	0.055392183	25.5484314	0.000737824	0.000737824	4.1096E-06	0.006688791	0.001711419	0.063565567	0.017695177	5.61883E-06	15.21768284	2.35692E-05	0.000548596	0.000179362
2051 Jun	149.9928131	0.364346206	0.756135225	0.01475726	65.24138641	0.050956305	22.842062	0.000770683	0.000770683	4.22119E-06	0.006748021	0.001650496	0.056779575	0.018311853	5.54126E-06	15.64688015	2.33768E-05	0.000516575	0.000195089
2051 Jul	146.0582428	0.352163702	0.730387747	0.01428456	63.20646286	0.049960438	22.12954903	0.000778563	0.000778563	4.24795E-06	0.006762685	0.001624345	0.055163667	0.018076766	5.52267E-06	15.44801044	2.32842E-05	0.000505341	0.000191822
2051 Aug	143.9279022	0.345707387	0.715744436	0.014016144	62.12850571	0.049801961	21.75574303	0.000783037	0.000783037	4.26315E-06	0.006734365	0.001613373	0.054274432	0.018006727	5.51211E-06	15.39881229	2.29148E-05	0.000498411	0.000189967
2051 Sep	141.5185394	0.339327395	0.697611034	0.013683933	60.86341095	0.049672816	21.32415581	0.000788574	0.000788574	4.28196E-06	0.006761001	0.001600262	0.053197384	0.017972315	5.49904E-06	15.40140247	2.2647E-05	0.000490794	0.000188239
2051 Oct	137.1017303	0.328249604	0.663785279	0.013064475	58.52585602	0.049444608	20.53375626	0.0007989	0.0007989	4.31702E-06	0.00684593	0.001576318	0.051168296	0.017934596	5.47466E-06	15.42575264	2.22735E-05	0.000476592	0.000185395
2051 Nov	136.5936584	0.326975316	0.659894228	0.012993217	58.25696182	0.049418356	20.44283295	0.000800088	0.000800088	4.32106E-06	0.0068557	0.001573564	0.050934885	0.017930258	5.47186E-06	15.42855453	2.22306E-05	0.000474959	0.000185067
2051 Dec	136.5856934	0.326955348	0.659833252	0.012992101	58.2527504	0.049417943	20.44141006	0.000800106	0.000800106	4.32112E-06	0.006855853	0.001573521	0.05093123	0.017930191	5.47182E-06	15.4285984	2.22299E-05	0.000474933	0.000185062
2052 Jan	136.5831451	0.326944709	0.659800529	0.01299149	58.25090408	0.049417231	20.44077301	0.000800117	0.000800117	4.32116E-06	0.006855885	0.00157353	0.050929137	0.017931234	5.47179E-06	15.42943382	2.22296E-05	0.000474929	0.00018508
2052 Feb	136.5833588	0.326939404	0.6597839	0.012991169	58.25032425	0.049416445	20.44055939	0.000800122	0.000800122	4.32117E-06	0.00685586	0.001573563	0.050927956	0.017932693	5.47178E-06	15.43055916	2.22296E-05	0.000474935	0.000185107
2052 Mar	136.5834656	0.326936513	0.659774959	0.012990995	58.25001144	0.049416021	20.44044685	0.000800125	0.000800125	4.32118E-06	0.006855846	0.001573581	0.050927315	0.017933484	5.47177E-06	15.43116856	2.22295E-05	0.000474938	0.000185122
2052 Apr	136.5835266	0.326934904	0.659769952	0.012990898	58.24983597	0.049415778	20.4403801	0.000800127	0.000800127	4.32119E-06	0.006855839	0.001573591	0.050926965	0.017933922	5.47177E-06	15.43150711	2.22295E-05	0.00047494	0.00018513
2052 May	136.0812378	0.324154884	0.652903676	0.012861652	57.85079575	0.049098719	20.29821968	0.000802281	0.000802281	4.32851E-06	0.006853887	0.001576384	0.050469112	0.018191786	5.46668E-06	15.62767124	2.22189E-05	0.000474672	0.000190142
2052 Jun	131.4484558	0.305172294	0.609608889	0.012054876	54.9353981	0.047119558	19.26586342	0.000815729	0.000815729	4.37418E-06	0.006863107	0.001567106	0.047653936	0.018955121	5.43494E-06	16.19293594	2.21875E-05	0.000466095	0.000206243
2052 Jul	128.99823	0.297708124	0.594404757	0.011776562	53.72627258	0.046750117	18.84792137	0.000820368	0.000820368	4.38993E-06	0.006834183	0.001553305	0.046666391	0.018802755	5.42399E-06	16.0480442	2.19068E-05	0.000457747	0.000203568
2052 Aug	127.9252472	0.29448542	0.587336719	0.011647207	53.19571686	0.046689335	18.66422653	0.000822524	0.000822524	4.39726E-06	0.00681557	0.00154767	0.046234228	0.01875109	5.4189E-06	16.00794601	2.17039E-05	0.000454098	0.000202325
2052 Sep	126.6814194	0.29117468	0.578246415	0.011480865	52.55550766	0.046655752	18.44473648	0.000825297	0.000825297	4.40667E-06	0.006821745	0.001540545	0.045705792	0.018711751	5.41236E-06	15.99511147	2.15272E-05	0.000450128	0.000200979
2052 Oct	126.0524521	0.28968823	0.573477387	0.011393671	52.22643661	0.046641976	18.33404922	0.00082675	0.00082675	4.41161E-06	0.006835707	0.001536963	0.045422468	0.018699175	5.40893E-06	15.99431992	2.14729E-05	0.000448047	0.000200388
2052 Nov	126.0401306	0.289659083	0.573383868	0.011391961	52.21997833	0.046641707	18.33188057	0.000826779	0.000826779	4.41171E-06	0.006835981	0.001536893	0.04541691	0.018698927	5.40886E-06	15.99430466	2.14718E-05	0.000448006	0.000200377
2052 Dec	126.0353622	0.289647818	0.573347747	0.011391301	52.21748734	0.046641603	18.33104134	0.00082679	0.00082679	4.41174E-06	0.006836087	0.001536865	0.045414764	0.018698832	5.40883E-06	15.99429703	2.14714E-05	0.00044799	0.000200372

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Jan	126.033989	0.289641857	0.573328376	0.011390939	52.21643829	0.046641212	18.33068085	0.000826796	0.000826796	4.41176E-06	0.00683611	0.001536873	0.045413528	0.018699516	5.40882E-06	15.99484825	2.14713E-05	0.000447988	0.000200384
2053 Feb	126.034317	0.289638937	0.57331872	0.011390752	52.21615219	0.046640731	18.33057404	0.000826799	0.000826799	4.41177E-06	0.006836093	0.001536896	0.045412831	0.018700486	5.40881E-06	15.99559593	2.14713E-05	0.000447993	0.000200402
2053 Mar	126.0345001	0.289637357	0.573313475	0.01139065	52.2159996	0.046640471	18.33051682	0.000826801	0.000826801	4.41178E-06	0.006836084	0.001536908	0.045412451	0.018701013	5.40881E-06	15.99600315	2.14712E-05	0.000447995	0.000200412
2053 Apr	126.0345993	0.289636463	0.573310494	0.011390592	52.21591187	0.046640322	18.33048439	0.000826802	0.000826802	4.41178E-06	0.006836079	0.001536915	0.045412239	0.018701315	5.40881E-06	15.9962368	2.14712E-05	0.000447997	0.000200418
2053 May	125.0004654	0.283309281	0.557521939	0.011092617	51.32720184	0.04587635	18.01273537	0.000831769	0.000831769	4.42865E-06	0.006831458	0.001545394	0.044352259	0.019365212	5.39708E-06	16.50182533	2.14649E-05	0.000448055	0.000213311
2053 Jun	120.436821	0.261623383	0.506413043	0.010134845	48.11919022	0.043420728	16.8713932	0.000847733	0.000847733	4.48287E-06	0.006834322	0.001550529	0.040980615	0.020798538	5.3594E-06	17.58117104	2.14731E-05	0.000442526	0.000242183
2053 Jul	119.2581406	0.258130819	0.499484479	0.010008176	47.53582001	0.043128416	16.66691208	0.000849845	0.000849845	4.49004E-06	0.006838332	0.001541425	0.04054692	0.020669879	5.35442E-06	17.47437286	2.14574E-05	0.000438992	0.000240212
2053 Aug	118.8006287	0.256819665	0.496600181	0.009955559	47.3163147	0.043123271	16.59090614	0.000850722	0.000850722	4.49302E-06	0.006829841	0.001538733	0.040376104	0.020634685	5.35235E-06	17.44885826	2.13613E-05	0.000437392	0.000239393
2053 Sep	118.622757	0.256334782	0.495399684	0.009933651	47.2289238	0.043125834	16.56058311	0.000851087	0.000851087	4.49426E-06	0.006828248	0.001537603	0.04030918	0.020622022	5.35149E-06	17.44192505	2.13254E-05	0.000436811	0.000239064
2053 Oct	118.490097	0.256052256	0.494436532	0.009916105	47.16169357	0.043129515	16.53815269	0.00085138	0.00085138	4.49525E-06	0.006831531	0.001536763	0.04025289	0.020615302	5.35079E-06	17.43889618	2.1313E-05	0.000436346	0.00023885
2053 Nov	118.3429184	0.255738854	0.49336797	0.009896639	47.08711243	0.043133602	16.51326561	0.000851704	0.000851704	4.49636E-06	0.006835174	0.001535831	0.040190443	0.020607846	5.35003E-06	17.43553543	2.12992E-05	0.00043583	0.000238612
2053 Dec	118.3371582	0.255726576	0.493326038	0.009895875	47.08418274	0.043133762	16.51228905	0.000851717	0.000851717	4.4964E-06	0.006835316	0.001535794	0.040187992	0.020607553	5.35E-06	17.43540382	2.12987E-05	0.00043581	0.000238603
2054 Jan	118.3356476	0.255720049	0.493303478	0.009895452	47.08299255	0.043133393	16.51188278	0.000851724	0.000851724	4.49642E-06	0.006835348	0.001535805	0.04018655	0.020608393	5.34998E-06	17.43608475	2.12985E-05	0.000435807	0.000238617
2054 Feb	118.3362808	0.25571692	0.493292302	0.009895234	47.08273697	0.043132827	16.51178551	0.000851727	0.000851727	4.49644E-06	0.006835326	0.001535836	0.040185731	0.020609669	5.34997E-06	17.43707085	2.12984E-05	0.000435814	0.000238641
2054 Mar	118.3366241	0.255715191	0.493286192	0.009895115	47.08259583	0.043132517	16.51173019	0.000851729	0.000851729	4.49644E-06	0.006835313	0.001535853	0.040185288	0.020610362	5.34997E-06	17.43760681	2.12984E-05	0.000435817	0.000238654
2054 Apr	118.3368301	0.255714238	0.493282676	0.009895047	47.0825119	0.043132342	16.51170158	0.000851731	0.000851731	4.49645E-06	0.006835306	0.001535863	0.040185034	0.020610759	5.34997E-06	17.43791199	2.12984E-05	0.000435819	0.000238661
2054 May	118.13414	0.254379362	0.489918411	0.009831447	46.89766693	0.042966943	16.44549179	0.000852791	0.000852791	4.50005E-06	0.006834158	0.001537986	0.039958123	0.020762699	5.34746E-06	17.55370903	2.12981E-05	0.00043592	0.000241604
2054 Jun	113.5876617	0.235400826	0.44697535	0.009030581	44.00469971	0.040884223	15.41872597	0.00086614	0.00086614	4.54538E-06	0.006848199	0.001529147	0.037157807	0.021548865	5.31595E-06	18.13392639	2.13396E-05	0.000428013	0.000258431
2054 Jul	110.5908585	0.226792037	0.430196434	0.008724811	42.57331467	0.040340647	14.92123795	0.000871237	0.000871237	4.56269E-06	0.00683602	0.001506971	0.036091968	0.021189256	5.30392E-06	17.82860565	2.11521E-05	0.000418007	0.000252399
2054 Aug	109.3912048	0.223476723	0.422774285	0.008589721	42.00894928	0.040381871	14.72576332	0.000873489	0.000873489	4.57034E-06	0.006812055	0.001499466	0.035667427	0.021076847	5.29861E-06	17.75160408	2.08696E-05	0.000413739	0.000249734
2054 Sep	108.5038528	0.22122027	0.416884989	0.008482528	41.58121872	0.040436491	14.5782938	0.000875276	0.000875276	4.57641E-06	0.006806212	0.001493541	0.035345711	0.02099983	5.29439E-06	17.70902252	2.06807E-05	0.00041072	0.000247724
2054 Oct	107.8127518	0.219911814	0.411927909	0.008392475	41.23724365	0.040491413	14.46470356	0.000876777	0.000876777	4.58151E-06	0.006826597	0.001488925	0.035060529	0.020954099	5.29085E-06	17.68725014	2.06123E-05	0.000408184	0.000246308
2054 Nov	107.5475693	0.219409719	0.410025746	0.008357919	41.1052475	0.040512487	14.42111588	0.000877353	0.000877353	4.58346E-06	0.006834419	0.001487154	0.034951098	0.020936551	5.28949E-06	17.67889595	2.05861E-05	0.000407211	0.000245764
2054 Dec	107.5421371	0.219399437	0.409986794	0.008357211	41.10254288	0.040512919	14.42022228	0.000877364	0.000877364	4.5835E-06	0.006834579	0.001487118	0.034948859	0.020936191	5.28946E-06	17.67872429	2.05856E-05	0.000407191	0.000245753
2055 Jan	107.5410309	0.219394088	0.409966022	0.008356821	41.1015358	0.040512651	14.41987991	0.000877371	0.000877371	4.58353E-06	0.006834615	0.001487132	0.034947526	0.020937113	5.28945E-06	17.67947388	2.05854E-05	0.00040719	0.000245768
2055 Feb	107.5420303	0.219391584	0.409955829	0.00835662	41.10140991	0.040512092	14.41982746	0.000877374	0.000877374	4.58354E-06	0.006834589	0.001487168	0.034946758	0.020938527	5.28944E-06	17.68056488	2.05854E-05	0.000407198	0.000245795
2055 Mar	107.5425797	0.219390213	0.409950286	0.00835651	41.10134506	0.040511787	14.41979885	0.000877376	0.000877376	4.58354E-06	0.006834575	0.001487188	0.034946341	0.020939294	5.28943E-06	17.68115997	2.05853E-05	0.000407203	0.000245809
2055 Apr	107.5428925	0.219389454	0.409947127	0.008356447	41.1013031	0.040511612	14.41978168	0.000877377	0.000877377	4.58355E-06	0.006834568	0.001487199	0.034946099	0.020939736	5.28943E-06	17.68149757	2.05853E-05	0.000407205	0.000245817
2055 May	107.5429611	0.219388917	0.409945369	0.008356414	41.10125732	0.040511519	14.41976452	0.000877378	0.000877378	4.58355E-06	0.006834564	0.001487203	0.034945976	0.020939916	5.28943E-06	17.68163872	2.05853E-05	0.000407206	0.00024582
2055 Jun	100.3324203	0.198361889	0.369481117	0.007617673	37.56130219	0.038451724	13.1725626	0.000889692	0.000889692	4.62537E-06	0.006896366	0.001424722	0.032440864	0.019961864	5.26037E-06	16.88516426	2.07776E-05	0.000386399	0.000231178
2055 Jul	97.25743103	0.189421654	0.35228619	0.00730394	36.06625748	0.037675027	12.64812946	0.000894921	0.000894921	4.64313E-06	0.006908935	0.001399399	0.031364594	0.019559899	5.24802E-06	16.55232048	2.07689E-05	0.000377046	0.000224959
2055 Aug	96.80639648	0.188162148	0.349637628	0.007255803	35.86007309	0.037701078	12.5777092	0.000895723	0.000895723	4.64586E-06	0.006895698	0.001397018	0.031201284	0.019520057	5.24613E-06	16.51970482	2.06485E-05	0.000375249	0.000224004
2055 Sep	96.12215424	0.186507732	0.344920784	0.007170003	35.53041458	0.037791695	12.46488285	0.000897154	0.000897154	4.65071E-06	0.006891137	0.001392702	0.030948788	0.019468315	5.24275E-06	16.49650002	2.04762E-05	0.000372845	0.000222431
2055 Oct	95.9382019	0.186205491	0.343532562	0.007144805	35.43840027	0.037821133	12.43496799	0.000897574	0.000897574	4.65214E-06	0.006897707	0.001391547	0.030869974	0.01945905	5.24176E-06	16.49406433	2.04538E-05	0.000372139	0.000222053
2055 Nov	95.88977051	0.186125904	0.343167007	0.00713817	35.41417313	0.037828881	12.4270916	0.000897684	0.000897684	4.65251E-06	0.006899437	0.001391243	0.03084922	0.01945661	5.2415E-06	16.49342155	2.04479E-05	0.000371953	0.000221954
2055 Dec	95.88354492	0.186115697	0.343120098	0.007137318	35.41106415	0.03782988	12.42607975	0.000897699	0.000897699	4.65256E-06	0.00689966	0.001391204	0.030846557	0.019456299	5.24147E-06	16.49333954	2.04472E-05	0.000371929	0.000221941
2056 Jan	95.88296509	0.186111286	0.343098849	0.007136918	35.41019058	0.037829719	12.42578983	0.000897705	0.000897705	4.65259E-06	0.006899699	0.001391228	0.030845182	0.019457541	5.24145E-06	16.49434853	2.04469E-05	0.000371931	0.000221962
2056 Feb	95.88461304	0.186109304	0.343088508	0.007136709	35.41023254	0.037829112	12.42579269	0.000897709	0.000897709	4.6526E-06	0.006899665	0.001391276	0.030844366	0.01945935	5.24144E-06	16.49574471	2.04469E-05	0.000371942	0.000221995
2056 Mar	95.88551331	0.186108232	0.343082845	0.007136595	35.41025543	0.037828781	12.42579365	0.000897711	0.000897711	4.6526E-06	0.006899646	0.001391302	0.030843923	0.019460334	5.24144E-06	16.49650574	2.04469E-05	0.000371948	0.000222013
2056 Apr	95.88601685	0.186107621	0.343079716	0.007136531	35.41026688	0.037828594	12.4257946	0.000897712	0.000897712	4.65261E-06	0.006899635	0.001391317	0.030843675	0.019460881	5.24144E-06	16.49692917	2.04469E-05	0.000371951	0.000222023
2056 May	95.77155304	0.183838412	0.336872131	0.007017612	35.13542557	0.0374831	12.32551098	0.000899694	0.000899694	4.69534E-06	0.00689528	0.00139987	0.030409709	0.019894859	5.23676E-06	16.8289299	2.04625E-05	0.000373465	0.000230319
2056 Jun	94.12687683	0.172118828	0.307806313	0.006466998	33.54682922	0.035883386	11.7532692	0.000908872	0.000908872	4.69051E-06	0.006891042	0.001419584	0.02843222	0.021274243	5.21509E-06	17.87541008	2.05602E-05	0.000375333	0.000257423
2056 Jul	93.25552368	0.169727132	0.303378373	0.00638673	33.14941025	0.035758827	11.61587334	0.00091021	0.00091021	4.69505E-06	0.006884096	0.001412785	0.028147869	0.021141199	5.21194E-06	17.76211548	2.04886E-05	0.000372187	0.000255112
2056 Aug	92.54557037	0.167850614	0.299565732	0.006317807	32.83949661	0.035824701	11.51063156	0.000911359	0.000911359	4.69896E-06	0.006861822	0.001408637	0.027912781	0.021053612	5.20922E-06	17.69036102	2.02904E-05	0.000369192	0.000253128
2056 Sep	92.27937317	0.167376697	0.297765881	0.006285274	32.71458817	0.035878751	11.46928596	0.000911901	0.000911901	4.7008E-06	0.006866015	0.001406727	0.027816724	0.021025665	5.20794E-06	17.67618179	2.02373E-05	0.000368157	0.000252312
2056 Oct	91.81378174	0.166756526	0.294457316	0.006225545	32.49178696	0.03598183	11.39775848	0.000912897	0.000912897	4.70418E-06	0.006884481	0.001403373	0.027634023	0.020982431	5.20559E-06	17.65610886	2.01781E-05	0.000366257	0.0025093
2056 Nov	91.70448303	0.166610926	0.293680578	0.006211523	32.43948364	0.03600603	11.38096714	0.00091313	0.00091313	4.70497E-06	0.006888816	0.001402586	0.027591133	0.020972282	5.20504E-06	17.6513958	2.01642E-05	0.000365811	0.000250605
2056 Dec	91.70072937	0.166605949	0.293653995	0.006211043	32.43769455	0.03600686	11.38039112	0.000913138	0.000913138	4.705E-06	0.006888965	0.001402559	0.027589664	0.020971935	5.20502E-06	17.65123558	2.01637E-05	0.000365796	0.000250594
2057 Jan	91.7004776	0.166603506	0.293640018	0.006210779	32.43716812	0.036006831	11.38021755	0.000913143	0.000913143	4.70502E-06	0.006888996	0.001402577	0.027588762	0.020972813	5.20501E-06	17.65195984	2.01635E-05	0.000365797	0.000250609
2057 Feb	91.70185852	0.166602492	0.293633312	0.006210642	32.43727493	0.03600641	11.38024712	0.000913145	0.000913145	4.70502E-06	0.00688897	0.001402614	0.02758822	0.020974165	5.20501E-06	17.65299797	2.01635E-05	0.000365806	0.000250633
2057 Mar	91.70261383	0.166601941	0.293629646	0.006210567	32.43733597	0.036006182	11.38026237	0.000913146	0.000913146	4.70503E-06	0.006888956	0.001402634	0.027587924	0.020974902	5.205E-06	17.65356827	2.01635E-05	0.00036581	0.000250647
2057 Apr	91.70303345	0.166601628	0.29362759	0.006210525	32.4373703	0.036006052	11.38027191	0.000913147	0.000913147	4.70503E-06	0.006888948	0.001402645	0.027587755	0.020975323	5.205E-06	17.65389252	2.01635E-05	0.000365813	0.000250655
2057 May	91.69452667	0.16611439	0.292274952	0.006184505	32.38142014	0.035926122	11.3596611	0.000913581	0.000913581	4.7065E-06	0.006887877	0.001404794	0.027492184	0.021079646	5.20398E-06	17.73370934	2.0169E-05	0.000366234	0.00025265
2057 Jun	88.26691437	0.15265061	0.263781279	0.005654573	30.31927872	0.034298237	10.62483501	0.000922414	0.000922414	4.7365E-06	0.006912583	0.001390506	0.025638726	0.021365089	5.18313E-06	17.92663002	2.03544E-05	0.000359808	0.000260291
2057 Jul	87.10096741	0.149498612	0.258112341	0.005551926	29.78460693	0.034041148	10.43774319	0.000924125	0.000924125	4.74231E-06	0.006916313	0.001379638	0.025286488	0.021148887	5.17909E-06	17.74952888	2.03481E-05	0.000355977	0.000256756
2057 Aug	86.94103241	0.14909184	0.257273048	0.005536802	29.71660233	0.034065645	10.4146595	0.000924377	0.000924377	4.74317E-06	0.006910726	0.00137866	0.025236869	0.021126555	5.1785E-06	17.73213387	2.02971E-05	0.000355287	0.000256235
2057 Sep	86.72294617	0.148715347	0.255852371	0.005511203	29.61783218	0.034124725	10.381917	0.000924804	0.000924804	4.74462E-06	0.006912369	0.00137704	0.025164524	0.021098908	5.17749E-06	17.71774292	2.0241E-05	0.000354411	0.000255444
2057 Oct	86.51787567	0.148506984	0.254409075	0.005485247	29.52222061	0.034187298	10.35175705	0.000925236	0.000925236	4.74609E-06	0.006921503	0.001375503	0.025086764	0.021076474	5.17647E-06	17.70728493	2.02109E-05	0.000353522	0.000254722
2057 Nov	86.49034119	0.148479	0.2542153	0.005481762	29.50938225	0.034195699	10.34770584	0.000925295	0.000925295	4.74628E-06	0.00692273	0.001375297	0.025076326	0.021073462	5.17633E-06	17.70587921	2.02068E-05	0.000353403	0.000254626
2057 Dec	86.48757172	0.148476183	0.254195809	0.005481412	29.50808907	0.034196544	10.34729958	0.0009253	0.0009253	4.7463E-06	0.006922853	0.001375276	0.025075275	0.021073157	5.17632E-06	17.70573807	2.02064E-05	0.000353391	0.000254616
2058 Jan	86.48757935	0.148474887	0.254185617	0.005481219	29.50776672	0.0341966	10.34719563	0.000925304	0.000925304	4.74632E-06	0.006922879	0.001375293	0.025074618	0.021073902	5.17631E-06	17.70634651	2.02063E-05	0.000353393	0.000254628
2058 Feb	86.48886871	0.148474425	0.254180789	0.005481119	29.50792503	0.034196284	10.34724426	0.000925305	0.000925305	4.74632E-06	0.006922856	0.001375324	0.025074212	0.021075049	5.1763E-06	17.70723152	2.02063E-05	0.0003534	0.000254649
2058 Mar	86.48956299	0.148474187	0.254178166	0.005481064	29.50801086	0.034196109	10.34727001	0.000925306	0.000925306	4.74632E-06	0.006922843	0.001375342	0.025073992	0.021075675	5.1763E-06	17.70771599	2.02063E-05	0.000353405	0.000254661
2058 Apr	86.48996735	0.148474038	0.254176676	0.005481034	29.50806046	0.034196012	10.34728527	0.000925307	0.000925307	4.74633E-06	0.006922836	0.001375352	0.025073865	0.021076029	5.1763E-06	17.70799255	2.02063E-05	0.000353407	0.000254667
2058 May	86.57392883	0.146559551	0.248601392	0.005373081	29.30854797	0.033854015	10.27268028	0.000927106	0.000927106	4.75244E-06	0.006916864	0.001386367	0.024673376	0.021576565	5.17205E-06	18.09150124	2.02314E-05	0.000355735	0.000264192
2058 Jun	85.50752258	0.135337099	0.220200926	0.004831534	27.88593102	0.032138385	9.754407883	0.000936133	0.000936133	4.78309E-06	0.006908162	0.001415086	0.022706833	0.023246735	5.15075E-06	19.360466	2.03918E-05	0.000360553	0.000296888
2058 Jul	84.73832703	0.133410871	0.216927975	0.004772807	27.55235672	0.032001458	9.638178825	0.000937112	0.000937112	4.78642E-06	0.006909616	0.001407262	0.022505868	0.023068815	5.14844E-06	19.21587944	2.03789E-05	0.000357834	0.000293871
2058 Aug	84.3784256	0.132568493	0.215293214	0.004743645	27.40942001	0.032071631	9.590151787	0.000937598	0.000937598	4.78807E-06	0.006896204	0.001404791	0.022408979	0.02300135	5.14729E-06	19.16224289	2.026E-05	0.000356162	0.000292372
2058 Sep	83.85335541	0.131986767	0.212145939	0.004687536	27.18610954	0.032261077	9.518526077	0.000938533	0.000938533	4.79125E-06	0.006908139	0.001400199	0.022254858	0.022905326	5.14508E-06	19.10665131	2.0138E-05	0.00035382	0.000289809
2058 Oct	83.49151611	0.131771624	0.209858924	0.004646824	27.0294838	0.032401722	9.470184326	0.000939212	0.000939212	4.79355E-06	0.006925714	0.001396996	0.022137774	0.022842335	5.14348E-06	19.07124519	2.00812E-05	0.000352124	0.000288045
2058 Nov	83.44921875	0.131746471	0.209591538	0.004642064	27.01117325	0.032418165	9.464532852	0.000939291	0.000939291	4.79382E-06	0.006927769	0.001396621	0.022124086	0.022834972	5.14329E-06	19.06710625	2.00746E-05	0.000351925	0.000287838
2058 Dec	83.44636536	0.131744772	0.209573522	0.004641743	27.00993919	0.032419272	9.464152336	0.000939297	0.000939297	4.79384E-06	0.006927907	0.001396596	0.022123164	0.022834474	5.14328E-06	19.06682968	2.00742E-05	0.000351912	0.000287824
2059 Jan	83.44652557	0.131744131	0.209564239	0.004641566	27.00969696	0.032419417	9.464078903	0.0009393	0.0009393	4.79385E-06	0.006927935	0.001396613	0.022122569	0.022835223	5.14327E-06	19.06744385	2.0074E-05	0.000351914	0.000287836
2059 Feb	83.44804382	0.131744042	0.209559947	0.004641476	27.00993729	0.032419108	9.464155197	0.000939301	0.000939301	4.79385E-06	0.00692791	0.001396648	0.022122188	0.022836467	5.14327E-06	19.06840706	2.0074E-05	0.000351922	0.000287859
2059 Mar	83.44887543	0.131743982	0.209557623	0.004641426	27.01006889	0.03241894	9.464197159	0.000939302	0.000939302	4.79386E-06	0.006927896	0.001396667	0.022121979	0.022837147	5.14327E-06	19.06893158	2.0074E-05	0.000351927	0.000287872
2059 Apr	83.44934845	0.131743968	0.209556282	0.004641397	27.01014328	0.03241884	9.464220047	0.000939302	0.000939302	4.79386E-06	0.006927887	0.001396678	0.02212186	0.022837535	5.14327E-06	19.06923294	2.0074E-05	0.00035193	0.000287879
2059 May	83.53649139	0.13090694	0.207063809	0.004592811	26.93299294	0.032253142	9.434689522	0.000940112	0.000940112	4.79661E-06	0.006924511	0.001402496	0.021939438	0.023091288	5.14136E-06	19.26350594	2.00897E-05	0.000353239	0.000292712
2059 Jun	83.25627899	0.125950918	0.194415182	0.004350298	26.34514046	0.031426057	9.218055725	0.000944155	0.000944155	4.81034E-06	0.00691788	0.001418774	0.021049326	0.023953686	5.13181E-06	19.91835213	2.01845E-05	0.000356477	0.000309583
2059 Jul	82.91360474	0.125119761	0.193073303	0.004326354	26.20068932	0.031368166	9.167739868	0.000944554	0.000944554	4.81169E-06	0.006918368	0.001415111	0.020967357	0.023865793	5.13087E-06	19.8469944	2.01791E-05	0.000355233	0.000308085
2059 Aug	82.77266693	0.124806046	0.192469016	0.004315637	26.14650345	0.031400815	9.149503708	0.000944732	0.000944732	4.8123E-06	0.006912993	0.001414047	0.020933472	0.023835454	5.13045E-06	19.82356644	2.01302E-05	0.000354572	0.000307414
2059 Sep	82.46540833	0.124516807	0.190750897	0.0042852	26.02120781	0.031522941	9.109604836	0.00094524	0.00094524	4.81402E-06	0.006919969	0.001411147	0.020852726	0.023768848	5.12925E-06	19.78334618	2.0056E-05	0.000353153	0.000305704
2059 Oct	81.4833374	0.124140792	0.184938505	0.004182401	25.61375618	0.031944659	8.985390663	0.000946953	0.000946953	4.81984E-06	0.00696941	0.001401724	0.020564759	0.023563299	5.12521E-06	19.6618309	1.98978E-05	0.000348361	0.000300206
2059 Nov	81.32680511	0.124080867	0.184012085	0.004166016	25.54881668	0.032011874	8.965592384	0.000947226	0.000947226	4.82077E-06	0.00697729	0.001400222	0.02051886	0.023530537	5.12456E-06	19.64246368	1.98726E-05	0.000347597	0.00029933

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Dec	81.32400513	0.124079786	0.1839955	0.004165723	25.5476532	0.032013077	8.965237617	0.000947231	0.000947231	4.82079E-06	0.006977431	0.001400195	0.02051804	0.023529951	5.12455E-06	19.64211655	1.98721E-05	0.000347583	0.000299314
2060 Jan	81.32427979	0.124079496	0.183987036	0.004165562	25.54747391	0.032013249	8.965187073	0.000947234	0.000947234	4.8208E-06	0.006977458	0.001400213	0.020517496	0.023530707	5.12455E-06	19.64273453	1.9872E-05	0.000347585	0.000299327
2060 Feb	81.32595062	0.1240796	0.183983162	0.004165478	25.54776955	0.032012928	8.965280533	0.000947235	0.000947235	4.8208E-06	0.00697743	0.001400251	0.020517133	0.023532011	5.12454E-06	19.64374352	1.9872E-05	0.000347595	0.000299351
2060 Mar	81.32685852	0.124079652	0.183981076	0.004165431	25.54792786	0.032012757	8.965332031	0.000947236	0.000947236	4.8208E-06	0.006977414	0.001400271	0.020516936	0.023532718	5.12454E-06	19.64429092	1.9872E-05	0.0003476	0.000299364
2060 Apr	81.32736206	0.124079682	0.183979899	0.004165406	25.5480175	0.03201266	8.965360641	0.000947237	0.000947237	4.8208E-06	0.006977405	0.001400282	0.020516828	0.023533111	5.12454E-06	19.6445961	1.9872E-05	0.000347603	0.000299371
2060 May	81.63433838	0.122124448	0.178256065	0.00405303	25.39458275	0.031586196	8.904477119	0.00094911	0.00094911	4.82717E-06	0.006966668	0.001415629	0.020088434	0.024183461	5.12012E-06	20.14097786	1.99209E-05	0.000351239	0.00031182
2060 Jun	81.44300842	0.116568059	0.164619803	0.003790489	24.77855492	0.030589858	8.674283981	0.000953486	0.000953486	4.84203E-06	0.006954564	0.001435275	0.019113563	0.0251894	5.10979E-06	20.90070152	2.00561E-05	0.000355545	0.000331691
2060 Jul	81.04656982	0.115648963	0.163261771	0.003766497	24.61808395	0.030525621	8.618331909	0.000953886	0.000953886	4.84339E-06	0.006955084	0.001430704	0.019031815	0.025072789	5.10885E-06	20.80630875	2.00525E-05	0.000354066	0.000329699
2060 Aug	80.51548004	0.114589855	0.161098227	0.003728482	24.42316818	0.03069525	8.551812172	0.00095452	0.00095452	4.84554E-06	0.006935043	0.00142584	0.018935354	0.024931712	5.10735E-06	20.70656776	1.98456E-05	0.000351639	0.000326542
2060 Sep	79.27802277	0.112775281	0.155417353	0.003628694	23.95993233	0.031191673	8.396548271	0.000956183	0.000956183	4.85119E-06	0.006917404	0.001413219	0.018713029	0.024592787	5.10342E-06	20.4893322	1.9401E-05	0.000346093	0.000318552
2060 Oct	78.86120605	0.112771213	0.153193876	0.003589836	23.79792404	0.031395789	8.348408699	0.000956831	0.000956831	4.85339E-06	0.006940798	0.001408737	0.018608624	0.024483506	5.10189E-06	20.42149162	1.93359E-05	0.000343933	0.000315765
2060 Nov	78.71096802	0.112769753	0.152392447	0.00357583	23.73952866	0.03146936	8.331058502	0.000957064	0.000957064	4.85418E-06	0.006949231	0.001407122	0.018570993	0.024444118	5.10134E-06	20.39703941	1.93125E-05	0.000343155	0.00031476
2060 Dec	78.70789337	0.112769715	0.152376071	0.003575544	23.73833656	0.031470865	8.330703735	0.000957069	0.000957069	4.8542E-06	0.006949403	0.001407089	0.018570222	0.024443312	5.10133E-06	20.39653969	1.9312E-05	0.000343139	0.00031474
2061 Jan	78.70836639	0.112770051	0.152368158	0.003575393	23.73823547	0.031471096	8.330681801	0.000957071	0.000957071	4.85421E-06	0.006949435	0.001407109	0.01856971	0.024444131	5.10133E-06	20.39721107	1.93119E-05	0.000343142	0.000314753
2061 Feb	78.71037292	0.11277052	0.152364686	0.003575314	23.73862648	0.031470746	8.33080864	0.000957073	0.000957073	4.85421E-06	0.006949403	0.001407152	0.018569354	0.024445599	5.10132E-06	20.39834213	1.93119E-05	0.000343153	0.00031478
2061 Mar	78.7114563	0.112770773	0.152362809	0.003575271	23.7388401	0.031470556	8.330878258	0.000957073	0.000957073	4.85421E-06	0.006949386	0.001407175	0.018569158	0.024446396	5.10132E-06	20.39895821	1.93119E-05	0.000343159	0.000314795
2061 Apr	78.71207428	0.112770915	0.152361721	0.003575247	23.73896217	0.031470448	8.330918312	0.000957074	0.000957074	4.85421E-06	0.006949376	0.001407188	0.01856905	0.024446851	5.10132E-06	20.39930916	1.93119E-05	0.000343162	0.000314803
2061 May	79.13916779	0.111111224	0.147446677	0.003477589	23.64367485	0.03103547	8.289943695	0.000958702	0.000958702	4.85974E-06	0.006938969	0.001423319	0.018185312	0.025106898	5.09748E-06	20.90092278	1.93854E-05	0.000347214	0.000327516
2061 Jun	78.99185944	0.105864517	0.13533847	0.003243761	23.0838356	0.029993972	8.078577042	0.000962599	0.000962599	4.87298E-06	0.00693077	0.001441072	0.017299946	0.026026083	5.08828E-06	21.58691025	1.95883E-05	0.000351524	0.00034609
2061 Jul	78.47583008	0.104733668	0.13382706	0.003217467	22.88786507	0.029947333	8.011108398	0.000963038	0.000963038	4.87447E-06	0.006927025	0.001435193	0.017205497	0.025861984	5.08724E-06	21.4520874	1.95575E-05	0.000349377	0.000343206
2061 Aug	78.32183075	0.104422353	0.133346573	0.003209173	22.83508301	0.029987581	7.993680477	0.000963176	0.000963176	4.87494E-06	0.006920219	0.001433901	0.017176855	0.025818532	5.08692E-06	21.41678429	1.95031E-05	0.000348572	0.000342297
2061 Sep	78.11463928	0.104251891	0.1324725	0.003194065	22.76192093	0.030086774	7.970206261	0.000963428	0.000963428	4.87579E-06	0.0069213	0.001431547	0.017144788	0.025752299	5.08632E-06	21.3736763	1.94376E-05	0.000347556	0.000340741
2061 Oct	77.43106842	0.104460448	0.12924929	0.003138587	22.51508713	0.030463863	7.898643494	0.000964352	0.000964352	4.87893E-06	0.006961219	0.001423417	0.01700585	0.025536049	5.08414E-06	21.23526955	1.93254E-05	0.000343825	0.000335412
2061 Nov	77.19314575	0.104533039	0.128127441	0.003119278	22.42917442	0.030595111	7.873735428	0.000964674	0.000964674	4.88003E-06	0.006975112	0.001420587	0.016957492	0.025460783	5.08338E-06	21.18709946	1.92863E-05	0.000342526	0.000333557
2061 Dec	77.19031525	0.104533903	0.128114089	0.003119048	22.42815208	0.030596672	7.873439312	0.000964678	0.000964678	4.88004E-06	0.006975278	0.001420553	0.016956916	0.025459887	5.08337E-06	21.18652534	1.92858E-05	0.000342511	0.000333535
2062 Jan	77.19087219	0.104534708	0.128107667	0.003118925	22.42812729	0.030596955	7.87344408	0.00096468	0.00096468	4.88005E-06	0.006975308	0.001420573	0.016956501	0.025460638	5.08337E-06	21.18714333	1.92857E-05	0.000342514	0.000333547
2062 Feb	77.19287872	0.104535416	0.12810497	0.003118861	22.42855263	0.030596634	7.87358284	0.000964681	0.000964681	4.88005E-06	0.006975276	0.001420614	0.016956199	0.025462054	5.08336E-06	21.18823433	1.92857E-05	0.000342524	0.000333573
2062 Mar	77.19398499	0.104535803	0.12810351	0.003118826	22.42878723	0.030596461	7.873659134	0.000964682	0.000964682	4.88005E-06	0.006975259	0.001420637	0.016956033	0.025462823	5.08336E-06	21.18883133	1.92857E-05	0.00034253	0.000333587
2062 Apr	77.1946106	0.104536019	0.12810266	0.003118806	22.42891884	0.030596362	7.873702049	0.000964682	0.000964682	4.88005E-06	0.006975248	0.001420649	0.01695594	0.025463263	5.08336E-06	21.18917084	1.92857E-05	0.000342534	0.000333595
2062 May	77.19484711	0.104535997	0.128102109	0.003118794	22.42895889	0.030596301	7.873714924	0.000964682	0.000964682	4.88005E-06	0.006975244	0.001420655	0.016955886	0.025463453	5.08336E-06	21.1893158	1.92858E-05	0.000342535	0.000333599
2062 Jun	73.64052582	0.096419111	0.117693566	0.002936638	21.0063839	0.02968532	7.369678974	0.000967719	0.000967719	4.89037E-06	0.007015921	0.001373057	0.016357601	0.024242673	5.0762E-06	20.21012115	1.95619E-05	0.000330326	0.000313614
2062 Jul	71.45724487	0.091462679	0.111348271	0.002825833	20.14887619	0.029244876	7.068526745	0.000969566	0.000969566	4.89664E-06	0.007024899	0.001345395	0.015979489	0.023511995	5.07184E-06	19.61792946	1.96252E-05	0.000322271	0.000301392
2062 Aug	70.76230621	0.090131268	0.108978644	0.002784904	19.91692924	0.029531848	6.991115093	0.000970248	0.000970248	4.89896E-06	0.006987317	0.001339484	0.015869506	0.023312043	5.07023E-06	19.46875	1.92974E-05	0.000318654	0.000296878
2062 Sep	70.30422974	0.090128221	0.10679806	0.002747341	19.75897217	0.029850088	6.94384861	0.000970874	0.000970874	4.90108E-06	0.006998742	0.001334363	0.015792733	0.023168106	5.06875E-06	19.38234901	1.91341E-05	0.000316157	0.000293147
2062 Oct	69.26295471	0.091340013	0.101284042	0.002652694	19.39286232	0.030670701	6.846140385	0.000972452	0.000972452	4.90644E-06	0.007080059	0.00132221	0.015568337	0.022844838	5.06502E-06	19.19372177	1.89101E-05	0.000309865	0.00028431
2062 Nov	69.17582703	0.091441415	0.100822657	0.002644774	19.36222839	0.030739367	6.837965012	0.000972584	0.000972584	4.90689E-06	0.007086864	0.001321193	0.01554956	0.022817787	5.06471E-06	19.17794037	1.88914E-05	0.000309339	0.000283571
2062 Dec	69.17412567	0.091443382	0.100813687	0.00264462	19.3616333	0.030740699	6.837806225	0.000972586	0.000972586	4.9069E-06	0.007086996	0.001321174	0.015549196	0.022817262	5.06471E-06	19.17763329	1.8891E-05	0.000309328	0.000283556
2063 Jan	69.17502594	0.091444768	0.100809433	0.002644536	19.36177063	0.030740943	6.837863445	0.000972588	0.000972588	4.9069E-06	0.007087018	0.001321196	0.015548902	0.022818059	5.0647E-06	19.17827988	1.88909E-05	0.000309333	0.000283569
2063 Feb	69.17702484	0.091445744	0.100807771	0.002644492	19.36222839	0.030740656	6.838013649	0.000972588	0.000972588	4.9069E-06	0.007086986	0.001321235	0.015548673	0.022819381	5.0647E-06	19.17930031	1.8891E-05	0.000309343	0.000283594
2063 Mar	69.17810822	0.091446273	0.10080687	0.002644468	19.36247826	0.030740499	6.838095665	0.000972589	0.000972589	4.90691E-06	0.007086969	0.001321257	0.015548547	0.0228201	5.0647E-06	19.17985725	1.8891E-05	0.000309349	0.000283607
2063 Apr	69.17873383	0.091446571	0.100806355	0.002644455	19.36262131	0.030740412	6.838142872	0.000972589	0.000972589	4.90691E-06	0.007086959	0.001321269	0.015548476	0.02282051	5.0647E-06	19.18017197	1.8891E-05	0.000309352	0.000283615
2063 May	69.57001495	0.091024451	0.099337958	0.002613518	19.39769554	0.030538358	6.845904827	0.000973105	0.000973105	4.90866E-06	0.007079207	0.001330889	0.015414931	0.023178585	5.06348E-06	19.45197868	1.89354E-05	0.000311999	0.000290509
2063 Jun	69.79107666	0.084540218	0.086853705	0.002368136	18.85869217	0.028935691	6.628417492	0.000977195	0.000977195	4.92255E-06	0.007058912	0.001355769	0.014438065	0.02438963	5.05383E-06	20.33888054	1.93538E-05	0.000319703	0.000315957
2063 Jul	68.85097504	0.082492627	0.084660575	0.002330665	18.50731277	0.028748667	6.504736423	0.000977819	0.000977819	4.92467E-06	0.007061575	0.001343041	0.014309225	0.024036288	5.05235E-06	20.05205917	1.93868E-05	0.000316121	0.000310043
2063 Aug	68.68927765	0.082194373	0.084229626	0.002323419	18.45760918	0.02881809	6.488411427	0.00097794	0.00097794	4.92508E-06	0.007051707	0.001341636	0.014288188	0.023984078	5.05207E-06	20.01132965	1.93085E-05	0.000315216	0.000308899
2063 Sep	68.40362549	0.081953935	0.083217591	0.002306344	18.37067795	0.029017158	6.45993948	0.000978225	0.000978225	4.92605E-06	0.007043192	0.001338259	0.014270179	0.023876149	5.0514E-06	19.94322586	1.91557E-05	0.000313729	0.000306299
2063 Oct	68.18784332	0.082334429	0.082243286	0.002290071	18.3037796	0.029216247	6.443497181	0.000978496	0.000978496	4.92697E-06	0.007061339	0.001335416	0.014237541	0.023792988	5.05076E-06	19.89286232	1.9104E-05	0.000312312	0.000304103
2063 Nov	68.15045166	0.082400352	0.082074486	0.002287252	18.29218864	0.029250739	6.440649033	0.000978543	0.000978543	4.92713E-06	0.007064482	0.001334923	0.014231887	0.02377858	5.05065E-06	19.88413811	1.9095E-05	0.000312067	0.000303723
2063 Dec	68.14884949	0.082403176	0.082067244	0.002287131	18.29169083	0.029252218	6.440526962	0.000978545	0.000978545	4.92713E-06	0.007064617	0.001334902	0.014231644	0.023777962	5.05064E-06	19.88376236	1.90946E-05	0.000312056	0.000303706
2064 Jan	68.14980316	0.082405046	0.082063913	0.002287064	18.29188538	0.02925254	6.440605164	0.000978546	0.000978546	4.92714E-06	0.007064641	0.001334924	0.014231415	0.023778718	5.05064E-06	19.88438225	1.90945E-05	0.000312061	0.000303719
2064 Feb	68.15187073	0.082406282	0.082062721	0.00228703	18.29238129	0.029252289	6.440769196	0.000978547	0.000978547	4.92714E-06	0.007064609	0.001334963	0.014231217	0.023780039	5.05064E-06	19.88540077	1.90945E-05	0.000312071	0.000303743
2064 Mar	68.15298462	0.08240696	0.082062088	0.002287011	18.29265022	0.029252153	6.440858364	0.000978547	0.000978547	4.92714E-06	0.007064592	0.001334985	0.014231109	0.023780754	5.05064E-06	19.8859539	1.90945E-05	0.000312077	0.000303756
2064 Apr	68.15361023	0.082407326	0.08206173	0.002287	18.292799	0.029252077	6.440907955	0.000978547	0.000978547	4.92714E-06	0.007064582	0.001334997	0.014231049	0.023781152	5.05064E-06	19.88626099	1.90945E-05	0.00031208	0.000303763
2064 May	68.78614044	0.082018852	0.080342539	0.002249694	18.37783432	0.028983893	6.464374065	0.000979169	0.000979169	4.92925E-06	0.007053287	0.00134942	0.014063474	0.024304984	5.04917E-06	20.28455925	1.9157E-05	0.000316078	0.000313801
2064 Jun	70.05223083	0.079361223	0.07357844	0.002109878	18.3833847	0.027978772	6.445394993	0.0009815	0.0009815	4.93717E-06	0.007026741	0.001383772	0.013466991	0.025643975	5.04367E-06	21.2910614	1.94166E-05	0.000325972	0.000340219
2064 Jul	69.47607422	0.078218535	0.072481014	0.002091829	18.19144821	0.027988838	6.380571842	0.000981801	0.000981801	4.93819E-06	0.007014124	0.001377065	0.013392949	0.025428217	5.04296E-06	21.11110687	1.9338E-05	0.000323188	0.000336312
2064 Aug	68.9885788	0.077356502	0.071467333	0.002075343	18.04872704	0.028180201	6.334696293	0.000982075	0.000982075	4.93912E-06	0.006985208	0.00137273	0.013334085	0.025259156	5.04231E-06	20.97322845	1.91215E-05	0.00032032	0.000332744
2064 Sep	68.42726135	0.077303551	0.069735512	0.002047069	17.89043236	0.028607406	6.286150455	0.000982547	0.000982547	4.94072E-06	0.006982951	0.001365221	0.013314606	0.025015697	5.0412E-06	20.81654167	1.88628E-05	0.000317156	0.000326962
2064 Oct	68.29103851	0.077579953	0.069227137	0.002038846	17.85202789	0.028736141	6.2771492	0.000982684	0.000982684	4.94119E-06	0.006994865	0.001363217	0.013301534	0.024954319	5.04087E-06	20.77793121	1.88325E-05	0.000316236	0.000325415
2064 Nov	68.2890625	0.077583969	0.069219775	0.002038728	17.85147095	0.028738007	6.277018547	0.000982686	0.000982686	4.9412E-06	0.006995038	0.001363188	0.013301345	0.024953431	5.04087E-06	20.77737236	1.8832E-05	0.000316223	0.000325393
2064 Dec	68.28801727	0.077586077	0.069215879	0.002038664	17.85117531	0.02873899	6.276949883	0.000982687	0.000982687	4.9412E-06	0.006995129	0.001363173	0.013301245	0.024952961	5.04086E-06	20.77707672	1.88318E-05	0.000316216	0.000325381
2065 Jan	68.28863525	0.077587433	0.069214173	0.00203863	17.85131454	0.028739214	6.277005672	0.000982687	0.000982687	4.9412E-06	0.006995146	0.001363186	0.013301129	0.024953404	5.04086E-06	20.77744293	1.88317E-05	0.000316218	0.000325388
2065 Feb	68.28993988	0.077588312	0.069213636	0.002038612	17.85163689	0.028739063	6.277112961	0.000982688	0.000982688	4.9412E-06	0.006995127	0.00136321	0.013301019	0.024954224	5.04086E-06	20.77807617	1.88318E-05	0.000316225	0.000325403
2065 Mar	68.29064941	0.077588782	0.069213346	0.002038602	17.85181427	0.028738981	6.277171612	0.000982688	0.000982688	4.9412E-06	0.006995116	0.001363224	0.013300959	0.024954671	5.04086E-06	20.7784214	1.88318E-05	0.000316228	0.000325412
2065 Apr	68.2910614	0.07758905	0.069213189	0.002038597	17.85191536	0.028738936	6.277204514	0.000982688	0.000982688	4.9412E-06	0.006995111	0.001363232	0.013300925	0.024954924	5.04086E-06	20.77861595	1.88318E-05	0.00031623	0.000325416
2065 May	68.80997467	0.0773836	0.068101265	0.002013741	17.93266487	0.028529797	6.300494194	0.000983102	0.000983102	4.94261E-06	0.006987449	0.001374464	0.013184831	0.025359306	5.03988E-06	21.08609581	1.88897E-05	0.000319432	0.000333185
2065 Jun	69.19019318	0.074903853	0.063467145	0.001920342	17.79107475	0.027743921	6.236050129	0.000984659	0.000984659	4.9479E-06	0.006981089	0.001388666	0.01279345	0.025991695	5.03621E-06	21.55044746	1.91433E-05	0.000324227	0.000346458
2065 Jul	68.73988342	0.074036062	0.062711604	0.001908097	17.63564301	0.027681369	6.181853294	0.000984863	0.000984863	4.94859E-06	0.006981682	0.0013822	0.012751171	0.025800433	5.03573E-06	21.39568329	1.91507E-05	0.000322361	0.000343179
2065 Aug	68.54294586	0.073758118	0.062299427	0.001901528	17.58146477	0.027788535	6.163925648	0.000984973	0.000984973	4.94896E-06	0.006970451	0.001380007	0.012742734	0.025720198	5.03547E-06	21.33698845	1.90483E-05	0.000321259	0.00034142
2065 Sep	68.02752686	0.074322753	0.060761865	0.001877215	17.44534683	0.028245328	6.127889633	0.000985378	0.000985378	4.95034E-06	0.006991016	0.001372429	0.012725454	0.025474899	5.03451E-06	21.17890549	1.88652E-05	0.000317988	0.000335497
2065 Oct	67.23886108	0.076099426	0.058166854	0.001836391	17.23847198	0.029025046	6.081915855	0.000986058	0.000986058	4.95265E-06	0.00706124	0.001360217	0.012675405	0.025089808	5.03291E-06	20.93323898	1.86854E-05	0.000312498	0.000325933
2065 Nov	67.09466553	0.076424234	0.057692431	0.001828928	17.20065117	0.029167594	6.073510647	0.000986183	0.000986183	4.95307E-06	0.007074079	0.001357984	0.012666254	0.025019404	5.03261E-06	20.88832474	1.86525E-05	0.000311494	0.000324185
2065 Dec	67.09300995	0.076427981	0.057686955	0.001828842	17.20021248	0.029169241	6.073413849	0.000986184	0.000986184	4.95308E-06	0.007074227	0.001357958	0.012666149	0.025018591	5.03261E-06	20.88780785	1.86521E-05	0.000311482	0.000324165
2066 Jan	67.09413147	0.07643038	0.057684679	0.001828795	17.20049286	0.029169597	6.073522091	0.000986185	0.000986185	4.95308E-06	0.007074251	0.001357981	0.012665987	0.025019359	5.03261E-06	20.88843536	1.8652E-05	0.000311487	0.000324177
2066 Feb	67.09642029	0.076431923	0.057684109	0.00182877	17.20106697	0.029169325	6.073712349	0.000986186	0.000986186	4.95308E-06	0.007074216	0.001358024	0.012665816	0.025020767	5.03261E-06	20.88952065	1.8652E-05	0.000311498	0.000324203
2066 Mar	67.09767151	0.07643275	0.057683799	0.001828756	17.20138168	0.029169176	6.073816776	0.000986186	0.000986186	4.95308E-06	0.007074197	0.001358047	0.012665723	0.025021536	5.03261E-06	20.89011383	1.86521E-05	0.000311504	0.000324217
2066 Apr	67.09838867	0.076433226	0.057683621	0.001828749	17.20155907	0.029169092	6.073875904	0.000986186	0.000986186	4.95308E-06	0.007074187	0.00135806	0.012665669	0.025021974	5.03261E-06	20.89045143	1.86521E-05	0.000311508	0.000324225
2066 May	67.16304779	0.076412439	0.05758515	0.001826412	17.21295357	0.029143231	6.077208519	0.000986225	0.000986225	4.95322E-06	0.007073058	0.001359401	0.012653776	0.025069527	5.03251E-06	20.92643738	1.86594E-05	0.000311899	0.000325146
2066 Jun	65.85362244	0.071415603	0.052609026	0.001734802	16.56968498	0.02812968	5.835698605	0.000987752	0.000987752	4.9584E-06	0.007083775	0.00134338	0.012297462	0.024760732	5.02891E-06	20.64458847	1.9035E-05	0.000309517	0.000322236
2066 Jul	65.0375061	0.069766156	0.051381562	0.001715185	16.2914772	0.028006393	5.738307476	0.000988079	0.000988079	4.95951E-06	0.007080477	0.001331769	0.012224286	0.02441154	5.02814E-06	20.35892105	1.90412E-05	0.0003061	0.000316303
2066 Aug	64.8483963	0.069451533	0.05105364	0.001710077	16.24071693	0.028100934	5.722011566	0.000988164	0.000988164	4.9598E-06	0.007067072	0.001330017	0.012209516	0.024339911	5.02794E-06	20.30201912	1.89409E-05	0.000304948	0.000314758
2066 Sep	64.66420746	0.069746718	0.050508484	0.001701617	16.19641495	0.028298918	5.711259365	0.000988305	0.000988305	4.96028E-06	0.007074766	0.001327262	0.012208377	0.024247814	5.0276E-06	20.24438477	1.88605E-05	0.000303698	0.000312456
2066 Oct	64.419487	0.070516936	0.049688622	0.001688977	16.13883209	0.028599795	5.700967789	0.000988516	0.000988516	4.961E-06	0.007100442	0.001323348	0.012198317	0.024120843	5.02711E-06	20.16611862	1.87909E-05	0.00030183	0.000309169

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Nov	64.35140991	0.070731215	0.049460545	0.001685461	16.12281036	0.0286835	5.698104858	0.000988574	0.000988574	4.9612E-06	0.007107586	0.001322259	0.012195518	0.02408552	5.02697E-06	20.14434433	1.87716E-05	0.00030131	0.000308255
2066 Dec	64.3500824	0.070735373	0.049456116	0.001685392	16.12249947	0.028685125	5.698049545	0.000988575	0.000988575	4.9612E-06	0.007107724	0.001322238	0.012195464	0.024084834	5.02697E-06	20.14392281	1.87712E-05	0.0003013	0.000308237
2067 Jan	64.35131073	0.070737995	0.049454376	0.001685355	16.12282372	0.028685495	5.698173523	0.000988576	0.000988576	4.9612E-06	0.007107746	0.001322262	0.012195335	0.024085619	5.02696E-06	20.14456367	1.87711E-05	0.000301305	0.00030825
2067 Feb	64.35358429	0.070739627	0.049454067	0.001685335	16.12340736	0.028685249	5.698366642	0.000988576	0.000988576	4.9612E-06	0.007107712	0.001322304	0.012195184	0.024086995	5.02696E-06	20.14562416	1.87711E-05	0.000301316	0.000308275
2067 Mar	64.35482025	0.070740514	0.049453896	0.001685325	16.12372398	0.028685115	5.698472023	0.000988577	0.000988577	4.9612E-06	0.007107693	0.001322327	0.012195102	0.024087746	5.02696E-06	20.14620399	1.87711E-05	0.000301322	0.000308289
2067 Apr	64.35552979	0.070741013	0.049453795	0.001685319	16.12390327	0.028685037	5.698532104	0.000988577	0.000988577	4.9612E-06	0.007107683	0.00132234	0.012195055	0.024088174	5.02696E-06	20.14653397	1.87712E-05	0.000301326	0.000308297
2067 May	64.893013	0.070704661	0.048893664	0.001670942	16.23095512	0.02850285	5.73109293	0.000988816	0.000988816	4.96202E-06	0.007098604	0.001333044	0.012116489	0.024460858	5.0264E-06	20.42934418	1.88231E-05	0.000304445	0.000315467
2067 Jun	65.85224915	0.069477946	0.046554245	0.001618394	16.33721161	0.027836898	5.752778053	0.000989692	0.000989692	4.96499E-06	0.007079787	0.001354235	0.011858046	0.025254879	5.02433E-06	21.02046204	1.90364E-05	0.000311213	0.000331477
2067 Jul	65.5157547	0.068824075	0.046116896	0.001611673	16.22928619	0.027822848	5.715794086	0.000989804	0.000989804	4.96537E-06	0.00707389	0.001349798	0.01182887	0.025111869	5.02407E-06	20.90190887	1.90085E-05	0.00030963	0.000328961
2067 Aug	65.0714798	0.068029694	0.045514945	0.001602679	16.11012077	0.027999863	5.678573608	0.000989954	0.000989954	4.96588E-06	0.007042733	0.001346049	0.011781119	0.024948824	5.02371E-06	20.7623539	1.88025E-05	0.000306801	0.000325594
2067 Sep	64.87769318	0.068187796	0.045054354	0.001595742	16.06507301	0.028190088	5.666170597	0.00099007	0.00099007	4.96627E-06	0.007044267	0.001343115	0.011788589	0.02484821	5.02344E-06	20.69795418	1.87043E-05	0.000305572	0.00032318
2067 Oct	64.5213623	0.06933222	0.044019893	0.001580356	15.98591328	0.028624227	5.652581692	0.000990326	0.000990326	4.96715E-06	0.007081864	0.001337094	0.01178501	0.024650684	5.02283E-06	20.57404137	1.86087E-05	0.000302845	0.000318191
2067 Nov	64.43766785	0.069601037	0.043776896	0.001576742	15.96731853	0.028726205	5.649389744	0.000990386	0.000990386	4.96735E-06	0.007090695	0.00133568	0.011784169	0.024604285	5.02269E-06	20.54493332	1.85862E-05	0.000302205	0.000317019
2067 Dec	64.43611145	0.069606043	0.043772377	0.001576675	15.96697235	0.028728101	5.649330616	0.000990388	0.000990388	4.96735E-06	0.00709086	0.001335654	0.011784153	0.024603421	5.02269E-06	20.54439354	1.85858E-05	0.000302193	0.000316997
2068 Jan	64.4375	0.069609113	0.043770745	0.001576639	15.96735382	0.028728524	5.649475574	0.000990388	0.000990388	4.96736E-06	0.007090886	0.00133568	0.011784031	0.024604285	5.02269E-06	20.54510117	1.85857E-05	0.000302198	0.000317011
2068 Feb	64.44012451	0.069611035	0.04377057	0.00157662	15.96803188	0.028728236	5.649700165	0.000990388	0.000990388	4.96736E-06	0.007090847	0.001335728	0.01178387	0.024605861	5.02269E-06	20.54631615	1.85857E-05	0.000302211	0.00031704
2068 Mar	64.44154358	0.069612078	0.043770477	0.001576609	15.96839905	0.028728081	5.649822235	0.000990389	0.000990389	4.96736E-06	0.007090826	0.001335754	0.011783782	0.024606714	5.02269E-06	20.54697227	1.85857E-05	0.000302218	0.000317056
2068 Apr	64.44233704	0.069612652	0.043770425	0.001576604	15.96860409	0.028727995	5.649890423	0.000990389	0.000990389	4.96736E-06	0.007090813	0.001335769	0.011783734	0.024607189	5.02269E-06	20.54734039	1.85858E-05	0.000302222	0.000317064
2068 May	65.01073456	0.069599204	0.043302581	0.001563769	16.08565521	0.028533719	5.68552351	0.000990603	0.000990603	4.96808E-06	0.007081555	0.001346829	0.011709524	0.024991091	5.02218E-06	20.83851051	1.86451E-05	0.000305512	0.000324477
2068 Jun	66.12197876	0.067305937	0.040117051	0.001492627	16.15628433	0.027456848	5.685611725	0.000991788	0.000991788	4.97211E-06	0.007059382	0.00137175	0.011356465	0.025966467	5.01938E-06	21.55464172	1.90208E-05	0.000314349	0.000344882
2068 Jul	65.34513855	0.065863155	0.039276123	0.00148037	15.91351414	0.027432095	5.602497101	0.000991993	0.000991993	4.97281E-06	0.007046676	0.00136113	0.011302404	0.025621057	5.0189E-06	21.26980972	1.89592E-05	0.000310657	0.000338789
2068 Aug	65.17969513	0.065620713	0.039063822	0.001477349	15.87217712	0.027520202	5.589254856	0.000992043	0.000992043	4.97298E-06	0.007035316	0.001359395	0.011296643	0.025550721	5.01878E-06	21.21488571	1.88715E-05	0.00030964	0.000337287
2068 Sep	64.94115448	0.066036411	0.038556714	0.001470178	15.82147694	0.027778374	5.577443123	0.000992163	0.000992163	4.97338E-06	0.007044888	0.001355471	0.011309278	0.025415938	5.0185E-06	21.12815285	1.87689E-05	0.000307993	0.00033404
2068 Oct	64.82830811	0.066414684	0.038283516	0.00146635	15.79850769	0.027918583	5.573881626	0.000992227	0.000992227	4.9736E-06	0.007056735	0.001353472	0.011312053	0.025349049	5.01835E-06	21.08558846	1.87382E-05	0.000307113	0.000332378
2068 Nov	64.81929016	0.066444919	0.038261682	0.001466044	15.79667091	0.027929788	5.573597431	0.000992232	0.000992232	4.97362E-06	0.007057681	0.001353313	0.011312274	0.025343703	5.01834E-06	21.08218765	1.87358E-05	0.000307043	0.000332246
2068 Dec	64.81824493	0.06644842	0.038259152	0.001466008	15.79645824	0.027931087	5.573564053	0.000992232	0.000992232	4.97362E-06	0.007057791	0.001353294	0.011312299	0.025343085	5.01833E-06	21.08179474	1.87355E-05	0.000307035	0.00033223
2069 Jan	64.81916809	0.066450566	0.038258318	0.001465989	15.7967205	0.02793139	5.573664188	0.000992233	0.000992233	4.97362E-06	0.007057809	0.001353311	0.011312238	0.025343634	5.01833E-06	21.08224487	1.87354E-05	0.000307039	0.000332239
2069 Feb	64.8208847	0.0664519	0.038258325	0.001465979	15.79717159	0.027931219	5.573814392	0.000992233	0.000992233	4.97362E-06	0.007057784	0.001353343	0.011312141	0.025344655	5.01833E-06	21.08303452	1.87354E-05	0.000307047	0.000332258
2069 Mar	64.82182312	0.06645263	0.038258329	0.001465973	15.79741764	0.027931124	5.573896408	0.000992233	0.000992233	4.97362E-06	0.00705777	0.00135336	0.01131209	0.025345212	5.01833E-06	21.08346558	1.87354E-05	0.000307052	0.000332268
2069 Apr	64.82235718	0.066453047	0.038258329	0.00146597	15.79755688	0.027931072	5.573942661	0.000992233	0.000992233	4.97362E-06	0.007057762	0.001353369	0.011312059	0.025345528	5.01833E-06	21.08371162	1.87355E-05	0.000307054	0.000332274
2069 May	64.87127686	0.066458113	0.03822827	0.001465066	15.80812263	0.027915683	5.577206135	0.000992248	0.000992248	4.97367E-06	0.007057018	0.001354301	0.011306504	0.025377622	5.0183E-06	21.10809708	1.87403E-05	0.000307332	0.000332892
2069 Jun	63.44072342	0.062524013	0.035626762	0.001420413	15.23942471	0.027155655	5.366034985	0.000992992	0.000992992	4.9762E-06	0.007075221	0.001331701	0.011142001	0.024788704	5.01654E-06	20.61917305	1.90698E-05	0.000303327	0.00032439
2069 Jul	62.73698807	0.061198216	0.034901269	0.001409852	15.00871277	0.027036516	5.284717083	0.000993168	0.000993168	4.9768E-06	0.007076181	0.001320727	0.011105656	0.024455646	5.01613E-06	20.3494854	1.91002E-05	0.000300412	0.000318753
2069 Aug	62.47512817	0.060851414	0.034560043	0.001405075	14.94731808	0.027210532	5.265077114	0.000993248	0.000993248	4.97707E-06	0.007055878	0.001317947	0.011104224	0.024340449	5.01594E-06	20.2627449	1.89358E-05	0.000298768	0.000316204
2069 Sep	62.15155411	0.061800804	0.033814028	0.001394772	14.88825703	0.027657425	5.255505562	0.00099342	0.00099342	4.97765E-06	0.007076916	0.001312433	0.011127356	0.024147052	5.01553E-06	20.14308167	1.87797E-05	0.000296256	0.000311299
2069 Oct	61.68445969	0.063939847	0.032598339	0.001378116	14.80858994	0.028389122	5.250632286	0.000993697	0.000993697	4.97859E-06	0.007136957	0.001303893	0.011149406	0.023853948	5.01488E-06	19.96406364	1.86202E-05	0.000292195	0.00030365
2069 Nov	61.57385254	0.064446367	0.032310471	0.001374172	14.78972435	0.028562384	5.249477863	0.000993763	0.000993763	4.97882E-06	0.007151174	0.00130187	0.011154627	0.023784542	5.01472E-06	19.92167282	1.85824E-05	0.000291233	0.000301839
2069 Dec	61.57263947	0.064451911	0.032307319	0.001374129	14.78951836	0.028564282	5.249465466	0.000993764	0.000993764	4.97882E-06	0.00715133	0.001301848	0.011154685	0.023783782	5.01472E-06	19.92120934	1.8582E-05	0.000291222	0.000301819
2070 Jan	61.57423782	0.064455353	0.032306395	0.001374105	14.78997898	0.028564719	5.249637604	0.000993764	0.000993764	4.97882E-06	0.007151353	0.001301877	0.0111546	0.023784712	5.01472E-06	19.92196655	1.85819E-05	0.000291229	0.000301834
2070 Feb	61.57696915	0.064457446	0.0323066	0.001374092	14.79069996	0.028564436	5.249877453	0.000993764	0.000993764	4.97882E-06	0.007151311	0.001301926	0.011154461	0.023786323	5.01472E-06	19.92320824	1.8582E-05	0.000291242	0.000301864
2070 Mar	61.57845306	0.064458586	0.032306712	0.001374086	14.79109097	0.028564284	5.250007153	0.000993764	0.000993764	4.97882E-06	0.007151289	0.001301953	0.011154384	0.023787195	5.01472E-06	19.92388344	1.8582E-05	0.00029125	0.00030188
2070 Apr	61.58106995	0.064460605	0.032306906	0.001374074	14.79178238	0.028564014	5.250236988	0.000993765	0.000993765	4.97882E-06	0.007151249	0.001302001	0.011154249	0.023788737	5.01472E-06	19.92507362	1.8582E-05	0.000291262	0.000301908
2070 May	62.12601852	0.064551398	0.032125928	0.001366945	14.91549492	0.02840081	5.28872776	0.000993884	0.000993884	4.97923E-06	0.007142117	0.001312181	0.011102603	0.024135154	5.01444E-06	20.18788338	1.86328E-05	0.000294306	0.000308582
2070 Jun	63.47909546	0.063938342	0.031110009	0.00133734	15.17126083	0.027723029	5.360475063	0.000994377	0.000994377	4.9809E-06	0.007117197	0.001338221	0.010914124	0.025059465	5.01327E-06	20.87867737	1.88645E-05	0.000302749	0.000327067
2070 Jul	63.1039505	0.063218713	0.030784456	0.001332883	15.05378628	0.027687736	5.319643974	0.000994451	0.000994451	4.98116E-06	0.007112286	0.001332795	0.010893618	0.024885496	5.0131E-06	20.73534012	1.88511E-05	0.00030104	0.000324067
2070 Aug	62.84301758	0.06278979	0.030530969	0.001329569	14.98996449	0.027815647	5.299712658	0.000994507	0.000994507	4.98134E-06	0.007092018	0.001330386	0.010878259	0.024779111	5.01297E-06	20.64728546	1.87132E-05	0.000299344	0.000321836
2070 Sep	62.4994545	0.063905321	0.029837755	0.00132057	14.92930508	0.028281143	5.291110992	0.000994656	0.000994656	4.98185E-06	0.007120047	0.001324219	0.01090547	0.024564352	5.01261E-06	20.51189613	1.85746E-05	0.000296632	0.000316487
2070 Oct	62.19510269	0.065200523	0.029175747	0.001312026	14.87788296	0.028726757	5.287082672	0.000994799	0.000994799	4.98234E-06	0.007156827	0.00131851	0.010925314	0.024368068	5.01228E-06	20.38897324	1.84793E-05	0.000294056	0.000311516
2070 Nov	62.16070557	0.065346926	0.029100921	0.00131106	14.87207031	0.028777124	5.286627769	0.000994815	0.000994815	4.98239E-06	0.007160985	0.001317864	0.010927557	0.024345882	5.01224E-06	20.37508011	1.84686E-05	0.000293765	0.000310954
2070 Dec	62.15974045	0.065351024	0.029098824	0.001311033	14.87190723	0.028778533	5.286614895	0.000994815	0.000994815	4.98239E-06	0.007161101	0.001317846	0.010927619	0.02434526	5.01224E-06	20.37469101	1.84683E-05	0.000293757	0.000310939
2071 Jan	62.16090775	0.065353557	0.029098285	0.001311018	14.87224865	0.028778851	5.286742687	0.000994816	0.000994816	4.98239E-06	0.007161118	0.001317867	0.010927568	0.024345927	5.01224E-06	20.37523651	1.84682E-05	0.000293762	0.000310949
2071 Feb	62.16293335	0.0653551	0.029098516	0.001311011	14.87278366	0.028778637	5.286920071	0.000994816	0.000994816	4.98239E-06	0.007161086	0.001317904	0.010927469	0.024347115	5.01224E-06	20.37615204	1.84682E-05	0.000293772	0.000310971
2071 Mar	62.1640358	0.065355949	0.029098645	0.001311006	14.87307644	0.028778519	5.287017345	0.000994816	0.000994816	4.98239E-06	0.00716107	0.001317924	0.010927415	0.024347762	5.01224E-06	20.37664986	1.84682E-05	0.000293777	0.000310983
2071 Apr	62.16466522	0.065356426	0.029098717	0.001311004	14.87324333	0.028778451	5.287072659	0.000994816	0.000994816	4.98239E-06	0.00716106	0.001317935	0.010927383	0.024348132	5.01224E-06	20.37693596	1.84683E-05	0.00029378	0.00031099
2071 May	62.83922577	0.065444946	0.028944768	0.001303461	15.02734375	0.02856553	5.334696293	0.000994942	0.000994942	4.98282E-06	0.007149269	0.001330418	0.01086729	0.024772717	5.01194E-06	20.69832802	1.85357E-05	0.00029757	0.000319214
2071 Jun	63.97850037	0.06405735	0.027851474	0.001272754	15.19913769	0.027698789	5.373022079	0.000995454	0.000995454	4.98456E-06	0.00712423	0.00135257	0.010668591	0.025593031	5.01073E-06	21.29929161	1.88474E-05	0.00030559	0.000336398
2071 Jul	63.45491028	0.06306079	0.027464489	0.001267747	15.0309124	0.027597453	5.313238621	0.000995537	0.000995537	4.98484E-06	0.007124632	0.001344114	0.010651266	0.025334287	5.01053E-06	21.08948898	1.88776E-05	0.000303441	0.000332058
2071 Aug	63.31148911	0.062880039	0.027323009	0.001266004	14.99891472	0.02769414	5.3027100056	0.000995566	0.000995566	4.98494E-06	0.007113549	0.001342391	0.010657034	0.025265066	5.01047E-06	21.03848457	1.87873E-05	0.000302567	0.000330548
2071 Sep	62.97420883	0.063308366	0.026833942	0.001260045	14.93626118	0.028071333	5.287080765	0.000995665	0.000995665	4.98528E-06	0.007115175	0.001336764	0.010696625	0.025062308	5.01023E-06	20.90707207	1.85973E-05	0.000300269	0.000325739
2071 Oct	62.79797745	0.064037248	0.026510427	0.001256192	14.90757179	0.028322166	5.284901142	0.00099573	0.00099573	4.9855E-06	0.007135694	0.001333404	0.010710752	0.024945812	5.01008E-06	20.83288193	1.8544E-05	0.000298783	0.000322839
2071 Nov	62.6606636	0.064605147	0.026258361	0.00125319	14.88521767	0.028517602	5.283203602	0.00099578	0.00099578	4.98567E-06	0.007151682	0.001330786	0.010721758	0.024855042	5.00996E-06	20.77507591	1.85025E-05	0.000297626	0.000320579
2071 Dec	62.65114975	0.064644501	0.026240895	0.001252982	14.8836689	0.028531145	5.283085823	0.000995783	0.000995783	4.98568E-06	0.00715279	0.001330605	0.010722522	0.024848752	5.00995E-06	20.77107048	1.84996E-05	0.000297546	0.000320423
2072 Jan	62.65299606	0.064648598	0.026240258	0.001252962	14.88421535	0.028531667	5.283289909	0.000995783	0.000995783	4.98568E-06	0.007152816	0.001330637	0.010722453	0.024849789	5.00995E-06	20.77191734	1.84995E-05	0.000297553	0.00032044
2072 Feb	62.65625381	0.064651132	0.026240747	0.001252952	14.88508415	0.028531328	5.283578396	0.000995784	0.000995784	4.98568E-06	0.007152766	0.001330696	0.0107223	0.024851693	5.00995E-06	20.77338409	1.84996E-05	0.000297569	0.000320475
2072 Mar	62.65802002	0.064652503	0.026241012	0.001252947	14.88555527	0.028531142	5.283734798	0.000995784	0.000995784	4.98568E-06	0.007152739	0.001330728	0.010722217	0.024852727	5.00995E-06	20.77417946	1.84996E-05	0.000297578	0.000320494
2072 Apr	62.65900421	0.064653262	0.026241159	0.001252944	14.88581562	0.028531037	5.28382206	0.000995784	0.000995784	4.98568E-06	0.007152724	0.001330746	0.010722172	0.0248533	5.00995E-06	20.77462387	1.84996E-05	0.000297583	0.000320504
2072 May	62.66040421	0.064653687	0.02624107	0.001252933	14.88615227	0.028530668	5.283927917	0.000995784	0.000995784	4.98568E-06	0.0071527	0.001330771	0.010722066	0.024854161	5.00995E-06	20.77527618	1.84997E-05	0.00029759	0.000320521
2072 Jun	60.93492889	0.061036203	0.024956264	0.001235579	14.3006525	0.027945388	5.070388794	0.000996073	0.000996073	4.98666E-06	0.007171361	0.001300984	0.010669053	0.023986062	5.00927E-06	20.07235718	1.87714E-05	0.000291455	0.000306624
2072 Jul	60.18446732	0.059546679	0.024418958	0.001228798	14.07389545	0.027910756	4.99237442	0.000996186	0.000996186	4.98705E-06	0.007152313	0.001290834	0.010625279	0.023644568	5.009E-06	19.78594971	1.86999E-05	0.000287801	0.000300676
2072 Aug	59.63066864	0.058976673	0.023803074	0.001221183	13.9651556	0.02842487	4.95512867	0.000996313	0.000996313	4.98748E-06	0.007100122	0.001283612	0.010689909	0.023354607	5.0087E-06	19.58982658	1.8244E-05	0.000284451	0.000293997
2072 Sep	59.27181625	0.059228651	0.023291396	0.001214924	13.90482426	0.028874476	4.938216209	0.000996417	0.000996417	4.98783E-06	0.007085347	0.001277923	0.010749127	0.023139659	5.00846E-06	19.45530891	1.79579E-05	0.000282061	0.000288774
2072 Oct	59.03219604	0.060787003	0.022756314	0.001208637	13.87835503	0.029346196	4.944118977	0.000996522	0.000996522	4.98819E-06	0.007126729	0.001273011	0.01077548	0.022965906	5.00821E-06	19.3513031	1.78714E-05	0.00027966	0.000284129
2072 Nov	58.98803329	0.061074205	0.022657702	0.001207478	13.87347698	0.029433135	4.945207119	0.000996542	0.000996542	4.98825E-06	0.007134357	0.001272105	0.010780337	0.022933882	5.00816E-06	19.33213615	1.78554E-05	0.000279218	0.000283273
2072 Dec	58.98727417	0.061079141	0.022656007	0.001207458	13.87339306	0.029434629	4.945225716	0.000996542	0.000996542	4.98826E-06	0.007134487	0.00127209	0.010780421	0.022933332	5.00816E-06	19.33180809	1.78552E-05	0.00027921	0.000283258
2073 Jan	58.9887352	0.061082158	0.022655752	0.001207447	13.87382221	0.029434945	4.945384502	0.000996542	0.000996542	4.98826E-06	0.007134507	0.001272115	0.010780371	0.022934144	5.00816E-06	19.33246422	1.78551E-05	0.000279216	0.000283272
2073 Feb	58.99105835	0.061083984	0.022656184	0.001207442	13.8744421	0.029434687	4.945590496	0.000996542	0.000996542	4.98826E-06	0.007134473	0.001272157	0.010780265	0.022935497	5.00816E-06	19.33350563	1.78552E-05	0.000279228	0.000283297
2073 Mar	58.99232864	0.061084982	0.022656418	0.001207438	13.87478065	0.029434547	4.94570303	0.000996542	0.000996542	4.98826E-06	0.007134455	0.00127218	0.010780207	0.022936236	5.00816E-06	19.33407402	1.78552E-05	0.000279234	0.00028331
2073 Apr	58.99305344	0.061085548	0.022656554	0.001207437	13.8749733	0.029434467	4.945766926	0.000996542	0.000996542	4.98826E-06	0.007134445	0.001272193	0.010780174	0.022936655	5.00816E-06	19.33439827	1.78552E-05	0.000279238	0.000283318
2073 May	60.00142288	0.061343301	0.022659637	0.001200685	14.11423874	0.0291274	5.020777702	0.000996655	0.000996655	4.98864E-06	0.007119489	0.001290432	0.010704329	0.023552317	5.0079E-06	19.79958344	1.79657E-05	0.000284796	0.000295254
2073 Jun	61.61519623	0.060834814	0.022346593	0.001182472	14.44599724	0.028299022	5.116014481	0.000996958	0.000996958	4.98967E-06	0.007094956	0.001319895	0.010531346	0.024587814	5.00718E-06	20.56737518	1.82893E-05	0.00029469	0.000316232
2073 Jul	61.2960701	0.060222559	0.02215456	0.001180311	14.35254002	0.028298743	5.084352493	0.000996994	0.000996994	4.98979E-06	0.007085492	0.00131572	0.010512677	0.024442697	5.00709E-06	20.44470024	1.82489E-05	0.000293053	0.000313671
2073 Aug	61.07789993	0.059867069	0.022003034	0.001178686	14.30164909	0.028409746	5.068574905	0.000997022	0.000997022	4.98988E-06	0.00706752	0.001313689	0.01050304	0.024350582	5.00703E-06	20.36813545	1.81295E-05	0.000291605	0.000311746
2073 Sep	60.88663101	0.060236793	0.021752123	0.001175976	14.27070808	0.028654728	5.062144756	0.000997067	0.000997067	4.99004E-06	0.007070788	0.001310337	0.010531306	0.024228312	5.00692E-06	20.29016495	1.80161E-05	0.000290216	0.000308792

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Oct	60.63879776	0.061557688	0.021328732	0.001171529	14.23859215	0.029067835	5.064112663	0.000997141	0.000997141	4.99029E-06	0.00710691	0.001305273	0.01055958	0.024050677	5.00675E-06	20.17920876	1.79399E-05	0.000287936	0.000304274
2073 Nov	60.58208466	0.061859928	0.021231854	0.001170511	14.23124313	0.029162362	5.064562798	0.000997158	0.000997158	4.99035E-06	0.007115175	0.001304115	0.01056605	0.024010032	5.00671E-06	20.15382004	1.79225E-05	0.000287414	0.00030324
2073 Dec	60.58115768	0.061864879	0.021230267	0.001170495	14.23112297	0.029163908	5.064570427	0.000997158	0.000997158	4.99035E-06	0.00711531	0.001304096	0.010566155	0.024009367	5.00671E-06	20.15340424	1.79222E-05	0.000287406	0.000303223
2074 Jan	60.58255768	0.061867911	0.021230083	0.001170485	14.23154068	0.029164247	5.064724922	0.000997158	0.000997158	4.99035E-06	0.007115331	0.00130412	0.010566116	0.024010135	5.00671E-06	20.15402985	1.79221E-05	0.000287411	0.000303235
2074 Feb	60.58488083	0.061869752	0.021230564	0.001170481	14.23216248	0.029163992	5.064932346	0.000997158	0.000997158	4.99035E-06	0.007115297	0.001304162	0.010566015	0.024011483	5.00671E-06	20.15506935	1.79222E-05	0.000287423	0.00030326
2074 Mar	60.58615112	0.061870757	0.021230826	0.001170478	14.23250198	0.029163854	5.06504488	0.000997158	0.000997158	4.99035E-06	0.007115279	0.001304184	0.010565959	0.024012219	5.00671E-06	20.15563202	1.79222E-05	0.000287429	0.000303274
2074 Apr	60.58686829	0.061871324	0.021230975	0.001170477	14.23269463	0.029163774	5.065108776	0.000997158	0.000997158	4.99035E-06	0.007115269	0.001304197	0.010565927	0.024012638	5.00671E-06	20.15595627	1.79222E-05	0.000287433	0.000303282
2074 May	61.96115494	0.06220486	0.021302056	0.001162504	14.55973721	0.028735222	5.167301178	0.000997291	0.000997291	4.9908E-06	0.007094677	0.001328906	0.01046697	0.024846898	5.00639E-06	20.78591156	1.80779E-05	0.000295036	0.000319498
2074 Jun	64.05776215	0.061909415	0.021183359	0.001144821	15.01534271	0.027784696	5.301845551	0.000997586	0.000997586	4.9918E-06	0.007062603	0.001366735	0.01027468	0.026159495	5.0057E-06	21.76423264	1.8445E-05	0.000307513	0.000345814
2074 Jul	63.72435379	0.061306156	0.021013975	0.001143156	14.91499424	0.027754692	5.267052174	0.000997614	0.000997614	4.9919E-06	0.007058756	0.001361701	0.010264002	0.025995597	5.00563E-06	21.62935257	1.84368E-05	0.000305964	0.000342987
2074 Aug	63.63882828	0.061194152	0.020958707	0.001142643	14.8959713	0.027804969	5.260953426	0.000997622	0.000997622	4.99192E-06	0.007052463	0.001360703	0.01026585	0.025954507	5.00561E-06	21.59765244	1.83886E-05	0.000305426	0.000342117
2074 Sep	63.34741974	0.061851926	0.020640116	0.001139739	14.84727001	0.028149022	5.251712322	0.000997671	0.000997671	4.99209E-06	0.007065277	0.001355363	0.010303836	0.025763825	5.0055E-06	21.4724617	1.82602E-05	0.00030328	0.000337621
2074 Oct	63.11336136	0.062818304	0.0203417	0.001137073	14.81202316	0.02847054	5.24958086	0.000997715	0.000997715	4.99224E-06	0.007092652	0.001350681	0.010329521	0.025600424	5.00539E-06	21.36613846	1.8198E-05	0.000301309	0.000333659
2074 Nov	63.08275604	0.062944666	0.020302678	0.001136724	14.80741501	0.028512582	5.24930191	0.000997721	0.000997721	4.99226E-06	0.007096231	0.001350069	0.010332881	0.025579058	5.00538E-06	21.35223579	1.81899E-05	0.000301051	0.000333141
2074 Dec	63.08161545	0.062949382	0.020301223	0.001136711	14.80724335	0.028514152	5.24929142	0.000997721	0.000997721	4.99226E-06	0.007096365	0.001350046	0.010333005	0.025578262	5.00538E-06	21.35171509	1.81896E-05	0.000301042	0.000333122
2075 Jan	63.08285141	0.062952273	0.020301094	0.001136704	14.80761909	0.02851451	5.249432564	0.000997721	0.000997721	4.99226E-06	0.007096386	0.001350067	0.010332979	0.025578929	5.00538E-06	21.35226059	1.81895E-05	0.000301047	0.000333133
2075 Feb	63.08502579	0.062954016	0.020301584	0.001136701	14.8082056	0.028514281	5.24962759	0.000997721	0.000997721	4.99226E-06	0.007096354	0.001350106	0.010332888	0.02558019	5.00538E-06	21.35323334	1.81895E-05	0.000301057	0.000333156
2075 Mar	63.08622742	0.062954977	0.020301854	0.001136699	14.80852604	0.028514156	5.249734402	0.000997721	0.000997721	4.99226E-06	0.007096336	0.001350128	0.010332837	0.025580881	5.00538E-06	21.35376549	1.81896E-05	0.000301063	0.000333169
2075 Apr	63.08690643	0.062955521	0.020302005	0.001136697	14.80870914	0.028514085	5.24979496	0.000997721	0.000997721	4.99226E-06	0.007096326	0.00135014	0.010332808	0.025581274	5.00538E-06	21.35407066	1.81896E-05	0.000301066	0.000333176
2075 May	63.33619308	0.063011698	0.020324735	0.001135431	14.86821461	0.02843518	5.26834631	0.000997743	0.000997743	4.99233E-06	0.007092419	0.001354613	0.010315354	0.02573213	5.00533E-06	21.46785545	1.82179E-05	0.000302447	0.000336114
2075 Jun	60.91295242	0.058290064	0.01913929	0.001123145	14.07287216	0.027670002	4.979625225	0.000997947	0.000997947	4.99303E-06	0.007123711	0.001311629	0.010284457	0.024459181	5.00485E-06	20.44018364	1.86045E-05	0.000293524	0.000315508
2075 Jul	59.89698029	0.056353427	0.018645724	0.00111823	13.75188828	0.027449224	4.865246296	0.000998029	0.000998029	4.99331E-06	0.007124825	0.001294856	0.010262315	0.023941584	5.00465E-06	20.01817131	1.86814E-05	0.00029341	0.000306906
2075 Aug	59.69348907	0.056066573	0.018518604	0.001117087	13.70864487	0.027583756	4.851862431	0.000998048	0.000998048	4.99337E-06	0.007106465	0.001292835	0.010262639	0.023849484	5.00461E-06	19.9452858	1.85491E-05	0.00029341	0.000304905
2075 Sep	59.61579132	0.05627469	0.018426903	0.001116266	13.69878006	0.027702913	4.850596428	0.000998062	0.000998062	4.99342E-06	0.00710816	0.001291439	0.010277116	0.023796838	5.00457E-06	19.91247177	1.84954E-05	0.000287351	0.000303593
2075 Oct	59.51083755	0.056966063	0.0182618	0.001114837	13.69018745	0.027915606	4.854154587	0.000998086	0.000998086	4.9935E-06	0.007125275	0.001289208	0.010293998	0.02371572	5.00452E-06	19.86313438	1.84524E-05	0.000286277	0.000301459
2075 Nov	59.48976517	0.057104886	0.018228648	0.001114549	13.68846226	0.027958313	4.854869366	0.000998091	0.000998091	4.99352E-06	0.007128712	0.00128876	0.010297387	0.023699433	5.00451E-06	19.85322762	1.84438E-05	0.000286061	0.00030103
2075 Dec	59.48814011	0.057115581	0.018226095	0.001114527	13.68832874	0.027961602	4.854924679	0.000998091	0.000998091	4.99352E-06	0.007128976	0.001288725	0.010297649	0.023698177	5.00451E-06	19.85246277	1.84431E-05	0.000286045	0.000300997
2076 Jan	59.49000168	0.057119776	0.018226067	0.001114519	13.68889999	0.027962115	4.855136871	0.000998091	0.000998091	4.99352E-06	0.007129002	0.001288757	0.010297616	0.023699181	5.00451E-06	19.85328293	1.8443E-05	0.000286052	0.000301013
2076 Feb	59.49303055	0.057122309	0.018226791	0.001114515	13.68971825	0.02796183	4.855409622	0.000998091	0.000998091	4.99352E-06	0.007128958	0.001288811	0.010297496	0.023700925	5.00451E-06	19.85462761	1.84431E-05	0.000286067	0.000301045
2076 Mar	59.49467468	0.057123683	0.018227184	0.001114513	13.69016361	0.027961675	4.855558395	0.000998091	0.000998091	4.99352E-06	0.007128935	0.001288841	0.010297429	0.023701873	5.00451E-06	19.85535812	1.84431E-05	0.000286075	0.000301063
2076 Apr	59.49559021	0.057124451	0.018227402	0.001114512	13.69041061	0.027961589	4.855640888	0.000998091	0.000998091	4.99352E-06	0.007128921	0.001288857	0.010297392	0.023702398	5.00451E-06	19.85576439	1.84431E-05	0.000286079	0.000301073
2076 May	60.13766861	0.05737479	0.018322717	0.0011121	13.84916496	0.027793894	4.906091213	0.000998131	0.000998131	4.99365E-06	0.007119358	0.001300311	0.010258475	0.024084747	5.00441E-06	20.1458683	1.85023E-05	0.000289533	0.000308424
2076 Jun	61.82932281	0.056968734	0.0183571	0.001100011	14.21207905	0.026953371	5.011176586	0.000998333	0.000998333	4.99434E-06	0.007093238	0.001330487	0.010107046	0.025138386	5.00393E-06	20.92786598	1.88337E-05	0.000299085	0.000329788
2076 Jul	61.40065384	0.05620585	0.018167149	0.001098402	14.08338833	0.026910216	4.966402531	0.00099836	0.00099836	4.99443E-06	0.007089394	0.001323848	0.010096644	0.024923544	5.00387E-06	20.75183296	1.88294E-05	0.000297838	0.000326092
2076 Aug	61.24159622	0.056020718	0.018072436	0.001097658	14.05077267	0.027024213	4.956125259	0.000998372	0.000998372	4.99447E-06	0.007076179	0.001322021	0.010103621	0.024845403	5.00384E-06	20.69274139	1.8725E-05	0.000296797	0.000324384
2076 Sep	61.14842606	0.056271609	0.01797642	0.00109692	14.03821564	0.02715745	4.954424858	0.000998385	0.000998385	4.99451E-06	0.007079354	0.001320309	0.01011979	0.024781888	5.00381E-06	20.65229034	1.86697E-05	0.000296065	0.000322832
2076 Oct	60.94639969	0.05739991	0.01771603	0.001094975	14.01738262	0.027515486	4.958148479	0.000998417	0.000998417	4.99462E-06	0.007107861	0.001316089	0.010150496	0.024629746	5.00374E-06	20.55693054	1.8596E-05	0.000294137	0.000318963
2076 Nov	60.90026474	0.057657592	0.017656561	0.001094531	14.01262474	0.027597254	4.95899868	0.000998424	0.000998424	4.99465E-06	0.007114372	0.001315125	0.010157509	0.024595	5.00372E-06	20.53515053	1.85792E-05	0.000293697	0.000318079
2076 Dec	60.89933777	0.057662759	0.017655369	0.001094522	14.01252937	0.027598893	4.959015846	0.000998424	0.000998424	4.99465E-06	0.007114502	0.001315106	0.010157648	0.024594305	5.00372E-06	20.53471375	1.85789E-05	0.000293688	0.000318061
2077 Jan	60.90067673	0.057665903	0.017655376	0.001094517	14.01294518	0.027599299	4.959171295	0.000998424	0.000998424	4.99465E-06	0.007114523	0.001315129	0.010157633	0.024595017	5.00372E-06	20.5352993	1.85788E-05	0.000293693	0.000318073
2077 Feb	60.90290451	0.057667784	0.017655935	0.001094515	14.01354885	0.027599094	4.959372997	0.000998424	0.000998424	4.99465E-06	0.00711449	0.001315168	0.010157545	0.024596298	5.00372E-06	20.53628731	1.85788E-05	0.000293704	0.000318096
2077 Mar	60.90411758	0.057668813	0.017656239	0.001094513	14.01387882	0.027598985	4.959483147	0.000998425	0.000998425	4.99465E-06	0.007114472	0.00131519	0.010157497	0.024596997	5.00372E-06	20.53682709	1.85789E-05	0.00029371	0.000318109
2077 Apr	60.90481567	0.057669401	0.017656414	0.001094512	14.0140667	0.027598923	4.959545612	0.000998425	0.000998425	4.99465E-06	0.007114462	0.001315202	0.010157471	0.024597397	5.00372E-06	20.53713608	1.85789E-05	0.000293713	0.000318116
2077 May	61.44666672	0.057880733	0.017751386	0.001092751	14.1485014	0.027457295	5.002248287	0.000998454	0.000998454	4.99475E-06	0.00710627	0.001324846	0.010125643	0.024919026	5.00365E-06	20.78112602	1.86287E-05	0.000296627	0.000324303
2077 Jun	62.70746994	0.057316348	0.017798129	0.001083733	14.40773106	0.026732242	5.074371815	0.000998604	0.000998604	4.99526E-06	0.007085953	0.001347221	0.010005954	0.025710367	5.00329E-06	21.36404037	1.89184E-05	0.000304566	0.000340631
2077 Jul	62.30275345	0.056609835	0.01763453	0.001082488	14.28297901	0.026661275	5.030220985	0.000998625	0.000998625	4.99533E-06	0.007087303	0.001340412	0.010002187	0.025498629	5.00325E-06	21.19298553	1.89448E-05	0.000302859	0.000337053
2077 Aug	62.16745377	0.056477904	0.017556103	0.001081943	14.25630856	0.026766717	5.021626472	0.000998634	0.000998634	4.99536E-06	0.007076505	0.00133868	0.010013614	0.02542758	5.00322E-06	21.14133453	1.88527E-05	0.000301997	0.000335488
2077 Sep	61.71243286	0.057430804	0.01715178	0.001079208	14.19038296	0.027361257	5.00949192	0.00099868	0.00099868	4.99552E-06	0.007084514	0.001330482	0.010091521	0.025123302	5.00312E-06	20.94450188	1.8583E-05	0.000298593	0.000328205
2077 Oct	61.55075455	0.058268227	0.016966991	0.001078003	14.17228127	0.027629485	5.011476517	0.0009987	0.0009987	4.99558E-06	0.007106039	0.001327129	0.010115221	0.025002813	5.00307E-06	20.86779022	1.85285E-05	0.000297093	0.000325191
2077 Nov	61.5449028	0.058298547	0.016960301	0.00107796	14.17162609	0.027639199	5.011548519	0.000998701	0.000998701	4.99559E-06	0.007106817	0.001327008	0.010116079	0.024998451	5.00307E-06	20.86501312	1.85265E-05	0.000297039	0.000325082
2077 Dec	61.54404068	0.058302991	0.016959321	0.001077953	14.17153072	0.02764062	5.01155901	0.000998701	0.000998701	4.99559E-06	0.007106932	0.00132699	0.010116205	0.024997812	5.00307E-06	20.86460686	1.85262E-05	0.000297031	0.000325066
2078 Jan	61.54517365	0.058305692	0.016959358	0.00107795	14.17188358	0.027640972	5.011691093	0.000998701	0.000998701	4.99559E-06	0.00710695	0.00132701	0.010116193	0.024998412	5.00307E-06	20.86509895	1.85262E-05	0.000297035	0.000325075
2078 Feb	61.54709625	0.058307316	0.016959859	0.001077948	14.17240524	0.027640793	5.011865616	0.000998701	0.000998701	4.99559E-06	0.007106922	0.001327044	0.010116117	0.024999518	5.00307E-06	20.86595154	1.85262E-05	0.000297045	0.000325096
2078 Mar	61.54814529	0.058308199	0.016960131	0.001077947	14.17268944	0.027640697	5.011960506	0.000998701	0.000998701	4.99559E-06	0.007106907	0.001327062	0.010116076	0.02500012	5.00307E-06	20.86641693	1.85262E-05	0.00029705	0.000325107
2078 Apr	61.5487442	0.058308702	0.016960287	0.001077946	14.17285156	0.027640641	5.012014389	0.000998701	0.000998701	4.99559E-06	0.007106897	0.001327073	0.010116053	0.025000462	5.00307E-06	20.86668015	1.85262E-05	0.000297053	0.000325113
2078 May	63.13349152	0.058904923	0.017283129	0.0010736	14.56607628	0.027214641	5.136804104	0.000998773	0.000998773	4.99583E-06	0.007082815	0.001355255	0.010023159	0.025939971	5.0029E-06	21.57806969	1.86781E-05	0.000305581	0.000343228
2078 Jun	64.74712372	0.059077829	0.017558951	0.001067503	14.94488144	0.026616888	5.252848148	0.000998875	0.000998875	4.99618E-06	0.007057743	0.001383916	0.00991025	0.026913475	5.00266E-06	22.30769539	1.89052E-05	0.000314735	0.00036246
2078 Jul	64.49275208	0.058656964	0.017461542	0.001066936	14.8755703	0.026644392	5.229970455	0.000998884	0.000998884	4.99621E-06	0.007049451	0.001380586	0.009900511	0.026792893	5.00263E-06	22.2068367	1.88589E-05	0.000313334	0.000360256
2078 Aug	64.11047363	0.058127854	0.017292593	0.001066003	14.78946972	0.026838941	5.203513622	0.0009989	0.0009989	4.99626E-06	0.007022134	0.001376542	0.009893964	0.026617657	5.0026E-06	22.0637722	1.86658E-05	0.000310809	0.000356629
2078 Sep	63.9209671	0.058202054	0.017167311	0.001065285	14.75649834	0.027028415	5.193758011	0.000998912	0.000998912	4.9963E-06	0.007015934	0.001373326	0.009926174	0.02649858	5.00257E-06	21.98444366	1.85464E-05	0.000309604	0.000353927
2078 Oct	63.78635788	0.058771256	0.017039761	0.001064601	14.73808479	0.027216809	5.193194389	0.000998923	0.000998923	4.99634E-06	0.007031491	0.001370566	0.009944245	0.026401104	5.00254E-06	21.92066002	1.85092E-05	0.000308455	0.00035158
2078 Nov	63.75139999	0.058919095	0.017006634	0.001064423	14.73330212	0.027265741	5.193048	0.000998926	0.000998926	4.99635E-06	0.007035532	0.001369849	0.009948939	0.026375789	5.00253E-06	21.9040947	1.84996E-05	0.000308157	0.00035097
2078 Dec	63.75031281	0.058923692	0.017005602	0.001064418	14.73315334	0.027267262	5.193043709	0.000998926	0.000998926	4.99635E-06	0.007035657	0.001369826	0.009949084	0.026375001	5.00253E-06	21.9035778	1.84993E-05	0.000308148	0.000350951
2079 Jan	63.75139236	0.058926497	0.017005641	0.001064415	14.73349667	0.027267648	5.193173409	0.000998926	0.000998926	4.99635E-06	0.00703568	0.001369845	0.009949079	0.026375562	5.00253E-06	21.9040432	1.84992E-05	0.000308152	0.00035096
2079 Feb	63.75335312	0.05892818	0.017006164	0.001064413	14.73403072	0.027267469	5.193351746	0.000998926	0.000998926	4.99635E-06	0.007035652	0.001369879	0.009949005	0.026376689	5.00253E-06	21.90491295	1.84993E-05	0.000308161	0.000350981
2079 Mar	63.75442505	0.058929101	0.017006451	0.001064412	14.73432159	0.027267374	5.19344902	0.000998926	0.000998926	4.99635E-06	0.007035637	0.001369899	0.009948964	0.026377304	5.00253E-06	21.90538597	1.84993E-05	0.000308166	0.000350992
2079 Apr	63.7550354	0.058929622	0.017006613	0.001064412	14.73448658	0.027267318	5.193504333	0.000998926	0.000998926	4.99635E-06	0.007035628	0.001369909	0.009948942	0.026377654	5.00253E-06	21.90565681	1.84993E-05	0.000308169	0.000350998
2079 May	63.8269043	0.058957327	0.017022369	0.001064236	14.75228691	0.027247433	5.19914484	0.000998929	0.000998929	4.99636E-06	0.007034639	0.001371178	0.009944836	0.026420068	5.00253E-06	21.9377861	1.85068E-05	0.000308558	0.000351818
2079 Jun	62.61394882	0.055553954	0.016458884	0.001056961	14.30204105	0.026426667	5.027357578	0.00099905	0.00099905	4.99678E-06	0.007053555	0.001348962	0.009894837	0.025808642	5.00224E-06	21.42391014	1.89137E-05	0.000305336	0.000343258
2079 Jul	61.72472382	0.05405844	0.016139805	0.001055104	14.03527546	0.026319673	4.934161663	0.000999082	0.000999082	4.99688E-06	0.007052185	0.001334456	0.00988532	0.025346527	5.00217E-06	21.04908752	1.89362E-05	0.000301364	0.00033533
2079 Aug	61.49424362	0.053739831	0.016040051	0.001054597	13.98502159	0.026449759	4.919121742	0.00099909	0.00099909	4.99691E-06	0.007033852	0.001332217	0.009879494	0.025243692	5.00215E-06	20.96420288	1.88079E-05	0.000299777	0.000333163
2079 Sep	61.23200989	0.054694399	0.015801474	0.00105339	13.95421886	0.026854686	4.917957783	0.00099911	0.00099911	4.99698E-06	0.007051419	0.001327091	0.009927403	0.025054667	5.0021E-06	20.84398651	1.86706E-05	0.00029757	0.000328511
2079 Oct	61.05662537	0.055693101	0.015614858	0.001052467	13.93773174	0.027168181	4.921793938	0.000999125	0.000999125	4.99703E-06	0.007076446	0.00132334	0.009957165	0.024918964	5.00206E-06	20.75856972	1.86072E-05	0.000295884	0.000325082
2079 Nov	60.96067047	0.056239504	0.015512758	0.001051963	13.92871189	0.027339699	4.923892498	0.000999134	0.000999134	4.99706E-06	0.007090138	0.001321288	0.009973447	0.024844717	5.00204E-06	20.71183777	1.85725E-05	0.000294962	0.000323205
2079 Dec	60.88541794	0.056667998	0.01543269	0.001051567	13.92163849	0.027474204	4.925539017	0.00099914	0.00099914	4.99708E-06	0.007100876	0.001319679	0.009986216	0.024786493	5.00203E-06	20.67518997	1.85453E-05	0.000294239	0.000321734
2080 Jan	60.88817215	0.056674764	0.015432923	0.001051561	13.92250824	0.027475098	4.925864697	0.000999141	0.000999141	4.99708E-06	0.007100923	0.001319725	0.009986203	0.024787934	5.00203E-06	20.67637444	1.85451E-05	0.000294249	0.000321757
2080 Feb	60.89282227	0.056678742	0.01543421	0.001051558	13.92377377	0.027474681	4.926287174	0.000999141	0.000999141	4.99708E-06	0.007100856	0.001319808	0.009986031	0.024790598	5.00203E-06	20.67843056	1.85452E-05	0.000294272	0.000321806
2080 Mar	60.89535141	0.056680907	0.015434911	0.001051557	13.92446136	0.027474454	4.92651701	0.000999141	0.000999141	4.99708E-06	0.00710082	0.001319853	0.009985937	0.024792045	5.00203E-06	20.67954826	1.85452E-05	0.000294284	0.000321832
2080 Apr	60.89675522	0.05668211	0.0154353	0.001051556	13.92484474	0.027474327	4.926645279	0.000999141	0.000999141	4.99708E-06	0.0071008	0.001319878	0.009985886	0.024792852	5.00203E-06	20.68016815	1.85453E-05	0.000294291	0.000321847
2080 May	60.91021347	0.056688011	0.015438696	0.001051533	13.9282341	0.027470946	4.927725315	0.000999141	0.000999141	4.99708E-06	0.007100602	0.001320115	0.009985182	0.024800738	5.00203E-06	20.68615913	1.85465E-05	0.000294363	0.000321999
2080 Jun	59.21324539	0.053462565	0.01486523	0.001047851	13.37981987	0.026937142	4.728365421	0.000999202	0.000999202	4.99729E-06	0.007124116	0.001289408	0.009983338	0.023886334	5.00188E-06	19.94945717	1.88266E-05	0.000288088	0.000307166
2080 Jul	58.20687485	0.051623646	0.014516881	0.001045847	13.07987213	0.026827239	4.623766899	0.000999236	0.000999236	4.9974E-06	0.007112576	0.00127387	0.009961227	0.023379827	5.0018E-06	19.53235245	1.88141E-05	0.000283449	0.000298492
2080 Aug	57.90737915	0.051202305	0.01438381	0.001045178	13.01884747	0.027031938	4.6056633	0.000999247	0.000999247	4.99744E-06	0.007083747	0.001271172	0.009957791	0.023247199	5.00178E-06	19.42432022	1.86127E-05	0.000281318	0.000295597

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Sep	57.68978882	0.051592615	0.014207165	0.001044262	12.99613857	0.027383449	4.60153532	0.000999262	0.000999262	4.99749E-06	0.007075715	0.001267376	0.010013802	0.023096897	5.00174E-06	19.33243942	1.8408E-05	0.000279668	0.000291842
2080 Oct	57.57495117	0.052650914	0.014047185	0.001043492	12.99620628	0.027689546	4.610891342	0.000999275	0.000999275	4.99754E-06	0.007100463	0.001264641	0.010042232	0.022994436	5.00171E-06	19.27279854	1.83488E-05	0.000278284	0.00028903
2080 Nov	57.48931503	0.053440079	0.01392789	0.001042919	12.99625587	0.0279178	4.617867947	0.000999285	0.000999285	4.99757E-06	0.007118917	0.001262602	0.010063431	0.022918031	5.00169E-06	19.2283268	1.83046E-05	0.000277251	0.000286933
2080 Dec	57.4825592	0.053502351	0.013918477	0.001042874	12.99625969	0.02793581	4.618418694	0.000999285	0.000999285	4.99757E-06	0.007120374	0.001262441	0.010065105	0.022912001	5.00169E-06	19.22481728	1.83012E-05	0.00027717	0.000286768
2081 Jan	57.48484039	0.053507391	0.013918784	0.00104287	12.99696445	0.02793639	4.61867857	0.000999285	0.000999285	4.99757E-06	0.007120403	0.00126248	0.010065086	0.022913208	5.00169E-06	19.22579765	1.83011E-05	0.000277179	0.000286788
2081 Feb	57.4883194	0.053510379	0.01391977	0.001042869	12.9979105	0.027936071	4.618994713	0.000999285	0.000999285	4.99757E-06	0.007120354	0.001262541	0.01006496	0.022915196	5.00169E-06	19.22733307	1.83011E-05	0.000277196	0.000286824
2081 Mar	57.49022293	0.053512011	0.013920309	0.001042868	12.99842834	0.027935898	4.619167805	0.000999285	0.000999285	4.99757E-06	0.007120327	0.001262575	0.01006489	0.022916285	5.00169E-06	19.22817421	1.83012E-05	0.000277205	0.000286844
2081 Apr	57.49406815	0.053515315	0.0139214	0.001042866	12.99947548	0.027935544	4.619517326	0.000999285	0.000999285	4.99757E-06	0.007120273	0.001262643	0.010064749	0.022918485	5.00169E-06	19.22987175	1.83012E-05	0.000277224	0.000286885
2081 May	58.85414886	0.054169916	0.01429132	0.001041084	13.34425735	0.027605653	4.729837894	0.000999315	0.000999315	4.99767E-06	0.007101619	0.001286511	0.009997336	0.023711145	5.00162E-06	19.83269882	1.84236E-05	0.000284452	0.000302081
2081 Jun	60.26612473	0.054490075	0.014664433	0.001038457	13.68441486	0.027119469	4.835070133	0.000999359	0.000999359	4.99782E-06	0.007082595	0.001311118	0.009914918	0.024544498	5.00151E-06	20.46029854	1.86176E-05	0.000292375	0.000318469
2081 Jul	60.14463425	0.05427248	0.014625083	0.001038271	13.64831257	0.027106401	4.822490215	0.000999362	0.000999362	4.99783E-06	0.00708139	0.001309223	0.009912629	0.024482833	5.00151E-06	20.40963745	1.86167E-05	0.000291815	0.000317412
2081 Aug	60.07619858	0.05419955	0.014593151	0.001038135	13.63519096	0.027160587	4.818336487	0.000999364	0.000999364	4.99784E-06	0.007075345	0.001308405	0.009917698	0.024447707	5.0015E-06	20.38360977	1.8568E-05	0.000291363	0.000316635
2081 Sep	59.92932892	0.054402024	0.014490338	0.001037696	13.61563396	0.027358644	4.8138237	0.000999372	0.000999372	4.99787E-06	0.007071562	0.001305834	0.009949517	0.024349185	5.00148E-06	20.32085228	1.84549E-05	0.000290312	0.000314271
2081 Oct	59.86013412	0.054856338	0.014416125	0.001037401	13.61081982	0.027496595	4.816374302	0.000999377	0.000999377	4.99788E-06	0.007082732	0.001304303	0.009962815	0.024293277	5.00147E-06	20.28628159	1.84279E-05	0.000289606	0.00031283
2081 Nov	59.77983856	0.055383533	0.014330008	0.001037059	13.60523319	0.027656676	4.819334507	0.000999382	0.000999382	4.9979E-06	0.007095695	0.001302526	0.009978246	0.024228405	5.00146E-06	20.24616623	1.83965E-05	0.000288787	0.000311158
2081 Dec	59.76660156	0.055470429	0.014315812	0.001037003	13.6043129	0.027683062	4.819821835	0.000999383	0.000999383	4.99791E-06	0.007097831	0.001302233	0.009980789	0.024217712	5.00146E-06	20.23955345	1.83914E-05	0.000288651	0.000310883
2082 Jan	59.76906967	0.0554762	0.014316132	0.001036999	13.60508442	0.027683774	4.820109367	0.000999383	0.000999383	4.99791E-06	0.007097868	0.001302274	0.009980775	0.024219006	5.00146E-06	20.24061394	1.83912E-05	0.000288661	0.000310904
2082 Feb	59.77306747	0.055479635	0.014317279	0.001036998	13.60617352	0.027683411	4.820473194	0.000999383	0.000999383	4.99791E-06	0.007097812	0.001302345	0.00998063	0.024221294	5.00146E-06	20.24238014	1.83913E-05	0.00028868	0.000310946
2082 Mar	59.77524567	0.055481505	0.014317901	0.001036996	13.6067667	0.027683213	4.820671082	0.000999383	0.000999383	4.99791E-06	0.007097781	0.001302384	0.00998055	0.02422254	5.00146E-06	20.24333954	1.83913E-05	0.000288691	0.000310969
2082 Apr	59.77648926	0.055482574	0.014318258	0.001036996	13.60710526	0.0276831	4.820784569	0.000999383	0.000999383	4.99791E-06	0.007097763	0.001302406	0.009980504	0.024223251	5.00146E-06	20.24388885	1.83914E-05	0.000288697	0.000310982
2082 May	59.77855682	0.055483665	0.014318838	0.001036994	13.6076355	0.02768264	4.8209548	0.000999383	0.000999383	4.99791E-06	0.007097734	0.001302443	0.009980406	0.024224451	5.00146E-06	20.24480247	1.83915E-05	0.000288708	0.000311005
2082 Jun	57.41323471	0.050953392	0.013597751	0.001033249	12.84165192	0.02690487	4.541986465	0.000999446	0.000999446	4.99812E-06	0.007132419	0.001259376	0.009980435	0.022944525	5.00131E-06	19.21243286	1.88059E-05	0.000280042	0.000290336
2082 Jul	56.06225586	0.048416007	0.013179312	0.001031198	12.41972542	0.02658836	4.391047001	0.00099948	0.00099948	4.99823E-06	0.007136754	0.001236405	0.009967829	0.022235125	5.00123E-06	18.6348629	1.8933E-05	0.00027453	0.000278597
2082 Aug	55.92640305	0.048281405	0.013112358	0.00103092	12.39746284	0.026727665	4.38440609	0.000999485	0.000999485	4.99825E-06	0.007121058	0.001235017	0.009979307	0.022167319	5.00122E-06	18.58527946	1.88087E-05	0.000273545	0.000277004
2082 Sep	55.85142517	0.0486231	0.013036947	0.001030614	12.39575958	0.026903667	4.38673687	0.00099949	0.00099949	4.99827E-06	0.007122071	0.001233602	0.010003241	0.022108791	5.0012E-06	18.55177307	1.87261E-05	0.000272819	0.000275417
2082 Oct	55.72885513	0.050264146	0.012830473	0.001029828	12.41128349	0.027368575	4.406088352	0.000999503	0.000999503	4.99831E-06	0.007157471	0.001230426	0.010045548	0.021982683	5.00117E-06	18.4836483	1.86303E-05	0.000270948	0.000271681
2082 Nov	55.71984863	0.050384745	0.012815299	0.00102977	12.41242409	0.02740274	4.407511234	0.000999504	0.000999504	4.99831E-06	0.007160073	0.001230193	0.010048657	0.021973414	5.00117E-06	18.47864151	1.86233E-05	0.00027081	0.000271406
2082 Dec	55.71942139	0.050390497	0.012814575	0.001029767	12.41247845	0.02740437	4.407578468	0.000999504	0.000999504	4.99831E-06	0.007160197	0.001230182	0.010048805	0.021972971	5.00117E-06	18.47840118	1.8623E-05	0.000270804	0.000271393
2083 Jan	55.72099686	0.050393954	0.012814829	0.001029766	12.41296673	0.027404778	4.40775919	0.000999504	0.000999504	4.99832E-06	0.007160214	0.001230209	0.010048795	0.021973807	5.00117E-06	18.4790802	1.86229E-05	0.00027081	0.000271407
2083 Feb	55.72332001	0.050395992	0.012815504	0.001029765	12.41360283	0.027404584	4.407971859	0.000999504	0.000999504	4.99832E-06	0.007160182	0.00123025	0.010048712	0.021975135	5.00117E-06	18.48010445	1.86229E-05	0.000270821	0.000271431
2083 Mar	55.7245903	0.050397106	0.012815873	0.001029764	12.41394997	0.027404478	4.408088207	0.000999504	0.000999504	4.99832E-06	0.007160163	0.001230272	0.010048666	0.021975858	5.00117E-06	18.48066521	1.86229E-05	0.000270827	0.000271444
2083 Apr	55.72531891	0.050397743	0.012816084	0.001029764	12.41414833	0.027404416	4.408154011	0.000999504	0.000999504	4.99832E-06	0.007160153	0.001230285	0.010048641	0.021976272	5.00117E-06	18.48098373	1.8623E-05	0.000270831	0.000271452
2083 May	56.82544708	0.050995421	0.013135214	0.001028808	12.69720268	0.027166577	4.49945116	0.00099952	0.00099952	4.99837E-06	0.007144568	0.001249632	0.009997286	0.022614721	5.00113E-06	18.96749306	1.87073E-05	0.000276587	0.000283613
2083 Jun	59.12475586	0.051590648	0.013801799	0.001025767	13.25732136	0.026409913	4.673671722	0.00099957	0.00099957	4.99854E-06	0.007112141	0.00128976	0.009868223	0.023967305	5.00101E-06	19.98668289	1.90035E-05	0.000289363	0.000310125
2083 Jul	58.67597961	0.050808765	0.013662532	0.001025291	13.13149548	0.026420943	4.631198406	0.000999578	0.000999578	4.99857E-06	0.00710033	0.001283515	0.009854307	0.02374918	5.001E-06	19.80474472	1.89488E-05	0.000287031	0.000306243
2083 Aug	58.13318253	0.049975306	0.013465149	0.001024702	13.01540565	0.026734566	4.597637177	0.000999588	0.000999588	4.9986E-06	0.007050485	0.001279117	0.009825396	0.023522869	5.00097E-06	19.60973549	1.8624E-05	0.00028309	0.000301441
2083 Sep	57.97778846	0.050949764	0.013306824	0.001024229	13.00932217	0.027080495	4.604127884	0.000999596	0.000999596	4.99863E-06	0.007068672	0.001275747	0.009865912	0.023394788	5.00095E-06	19.5335083	1.85206E-05	0.000281501	0.000298059
2083 Oct	57.76362228	0.052861035	0.013048879	0.001023477	13.00903225	0.027636938	4.62076807	0.000999609	0.000999609	4.99867E-06	0.007113118	0.0012706	0.009921312	0.023202427	5.00092E-06	19.42067909	1.84113E-05	0.00027897	0.000292841
2083 Nov	57.69676208	0.053457659	0.012968359	0.001023242	13.00894165	0.027810635	4.625962257	0.000999613	0.000999613	4.99868E-06	0.007126993	0.001268993	0.009938606	0.023142381	5.00091E-06	19.38545799	1.83772E-05	0.00027818	0.000291212
2083 Dec	57.69588852	0.053465489	0.012967302	0.001023239	13.0089407	0.027812915	4.626030445	0.000999613	0.000999613	4.99868E-06	0.007127174	0.001268972	0.009938833	0.023141591	5.00091E-06	19.38499641	1.83767E-05	0.000278169	0.00029119
2084 Jan	57.69776154	0.053469673	0.012967617	0.001023237	13.0095235	0.027813403	4.626245499	0.000999613	0.000999613	4.99868E-06	0.007127198	0.001269004	0.009938825	0.023142576	5.00091E-06	19.38579941	1.83766E-05	0.000278177	0.000291206
2084 Feb	57.70069122	0.053472195	0.012968482	0.001023237	13.01032257	0.027813138	4.626512051	0.000999613	0.000999613	4.99868E-06	0.007127157	0.001269056	0.009938722	0.023144247	5.00091E-06	19.38709068	1.83767E-05	0.000278191	0.000291237
2084 Mar	57.70227432	0.053473558	0.012968949	0.001023236	13.01075363	0.027812995	4.626656055	0.000999613	0.000999613	4.99868E-06	0.007127135	0.001269083	0.009938667	0.023145149	5.00091E-06	19.38778687	1.83767E-05	0.000278199	0.000291254
2084 Apr	57.70315552	0.053474318	0.012969209	0.001023236	13.01099491	0.027812915	4.626736641	0.000999613	0.000999613	4.99868E-06	0.007127122	0.001269099	0.009938636	0.023145653	5.00091E-06	19.38817596	1.83767E-05	0.000278203	0.000291263
2084 May	59.13580704	0.054163761	0.013403472	0.001022204	13.37569904	0.027466066	4.743211269	0.00099963	0.00099963	4.99874E-06	0.007107048	0.001294114	0.009872544	0.023976117	5.00087E-06	20.02028656	1.85043E-05	0.000285831	0.000307191
2084 Jun	60.91996384	0.054469492	0.013955848	0.001020264	13.80350971	0.026813498	4.87413168	0.000999662	0.000999662	4.99885E-06	0.007082303	0.00132492	0.009774243	0.02502355	5.0008E-06	20.8083725	1.87653E-05	0.000295981	0.000327916
2084 Jul	60.59516907	0.053905793	0.013860594	0.001020011	13.71096992	0.026808163	4.84250164	0.000999666	0.000999666	4.99887E-06	0.007075772	0.001320163	0.009766988	0.024861844	5.00079E-06	20.67469025	1.87385E-05	0.000294362	0.000325069
2084 Aug	60.39722824	0.053681649	0.013781135	0.001019818	13.67199802	0.026952978	4.8303442	0.00099967	0.00099967	4.99888E-06	0.007058833	0.00131788	0.009777524	0.024762586	5.00078E-06	20.59924126	1.86063E-05	0.000293043	0.000322904
2084 Sep	60.20068741	0.053995702	0.013656381	0.001019515	13.64643097	0.027219795	4.824819088	0.000999675	0.000999675	4.9989E-06	0.007055664	0.001314343	0.009820987	0.02462811	5.00077E-06	20.51347542	1.84612E-05	0.000291621	0.000319686
2084 Oct	60.00501251	0.055250913	0.013470658	0.001019097	13.63256168	0.027601266	4.831581593	0.000999682	0.000999682	4.99892E-06	0.007086653	0.001309959	0.00986023	0.02446874	5.00075E-06	20.41449356	1.83869E-05	0.000289655	0.000315616
2084 Nov	59.93559647	0.055696204	0.013404772	0.001018948	13.62764168	0.027736599	4.833980083	0.000999684	0.000999684	4.99893E-06	0.007097646	0.001308404	0.00987415	0.024412202	5.00075E-06	20.37937927	1.83606E-05	0.000288958	0.000314173
2084 Dec	59.93469238	0.055702012	0.013403913	0.001018946	13.62757778	0.027738363	4.834011078	0.000999684	0.000999684	4.99893E-06	0.00709779	0.001308384	0.009874332	0.024411466	5.00075E-06	20.37892151	1.83603E-05	0.000288949	0.000314154
2085 Jan	59.93618774	0.055705521	0.013404158	0.001018945	13.62804699	0.027738793	4.8341856	0.000999684	0.000999684	4.99893E-06	0.007097812	0.001308409	0.009874329	0.024412245	5.00075E-06	20.37956047	1.83602E-05	0.000288955	0.000314166
2085 Feb	59.93863297	0.055707615	0.013404886	0.001018944	13.62871361	0.027738569	4.834407806	0.000999684	0.000999684	4.99893E-06	0.007097777	0.001308452	0.009874244	0.02441364	5.00075E-06	20.38063622	1.83602E-05	0.000288967	0.000314192
2085 Mar	59.93996429	0.055708762	0.013405283	0.001018944	13.62907696	0.027738448	4.8345294	0.000999684	0.000999684	4.99893E-06	0.007097758	0.001308476	0.009874197	0.0244144	5.00075E-06	20.38122368	1.83602E-05	0.000288973	0.000314206
2085 Apr	59.94072342	0.055709414	0.013405509	0.001018944	13.62928391	0.027738377	4.834598541	0.000999684	0.000999684	4.99893E-06	0.007097748	0.001308489	0.00987417	0.024414832	5.00075E-06	20.38155746	1.83603E-05	0.000288977	0.000314214
2085 May	60.98849487	0.056173239	0.013731549	0.001018283	13.89431286	0.027468415	4.918877602	0.000999695	0.000999695	4.99896E-06	0.007082997	0.001326773	0.009824482	0.025023166	5.00072E-06	20.84363747	1.84611E-05	0.000294595	0.00032593
2085 Jun	62.15022659	0.056384306	0.014102799	0.001017254	14.17380619	0.02704802	5.004630566	0.000999712	0.000999712	4.99902E-06	0.007066743	0.001346861	0.009760535	0.025704915	5.00068E-06	21.3563385	1.86289E-05	0.000301178	0.000339409
2085 Jul	61.90135956	0.055960614	0.014028201	0.001017101	14.10909939	0.027094394	4.983752251	0.000999715	0.000999715	4.99903E-06	0.007054945	0.001343927	0.009748894	0.025590925	5.00067E-06	21.25921822	1.85629E-05	0.000299705	0.000337281
2085 Aug	61.51390457	0.055530068	0.013876496	0.001016791	14.0313406	0.027365098	4.959035873	0.00099972	0.00099972	4.99905E-06	0.00702411	0.001339182	0.00977309	0.025392007	5.00066E-06	21.10928917	1.83175E-05	0.000297199	0.000332989
2085 Sep	61.14284134	0.056406245	0.013633308	0.001016308	13.98167515	0.027860999	4.950849056	0.000999728	0.000999728	4.99908E-06	0.007033694	0.001332115	0.009846509	0.025131511	5.00064E-06	20.94111633	1.81045E-05	0.0002944	0.000326793
2085 Oct	60.93640137	0.057557039	0.013456192	0.001015973	13.9615345	0.028212614	4.954729557	0.000999734	0.000999734	4.9991E-06	0.007063776	0.001327558	0.00988351	0.024968792	5.00063E-06	20.83769417	1.80408E-05	0.000292464	0.000322755
2085 Nov	60.83510971	0.05812173	0.01336928	0.001015809	13.95165253	0.028385153	4.956633568	0.000999736	0.000999736	4.9991E-06	0.007078538	0.001325322	0.009901665	0.024888944	5.00062E-06	20.78694725	1.80096E-05	0.000291513	0.000320774
2085 Dec	60.83377075	0.058129165	0.013368136	0.001015807	13.95152187	0.028387425	4.95665884	0.000999736	0.000999736	4.9991E-06	0.007078732	0.001325293	0.009901905	0.024887893	5.00062E-06	20.78627777	1.80092E-05	0.000291501	0.000320748
2086 Jan	60.8355484	0.0581333	0.013368442	0.001015806	13.95207691	0.028387908	4.956864834	0.000999737	0.000999737	4.9991E-06	0.007078761	0.001325322	0.0099019	0.024888819	5.00062E-06	20.7870369	1.80091E-05	0.000291508	0.000320763
2086 Feb	60.83851242	0.058135781	0.013369336	0.001015805	13.95288181	0.028387608	4.957132816	0.000999737	0.000999737	4.9991E-06	0.007078719	0.001325375	0.009901793	0.02489051	5.00062E-06	20.78833961	1.80092E-05	0.000291522	0.000320795
2086 Mar	60.84012985	0.058137137	0.013369822	0.001015805	13.95332146	0.028387448	4.957279205	0.000999737	0.000999737	4.9991E-06	0.007078697	0.001325403	0.009901734	0.024891434	5.00062E-06	20.78905296	1.80092E-05	0.00029153	0.000320812
2086 Apr	60.84104919	0.058137909	0.013370099	0.001015805	13.95357132	0.028387355	4.957362652	0.000999737	0.000999737	4.9991E-06	0.007078683	0.00132542	0.009901701	0.02489196	5.00062E-06	20.78945732	1.80092E-05	0.000291535	0.000320821
2086 May	61.15363312	0.058254611	0.013470748	0.001015635	14.03160763	0.028297406	4.981967926	0.000999739	0.000999739	4.99911E-06	0.007074351	0.001330861	0.009886127	0.025073932	5.00062E-06	20.9271946	1.8044E-05	0.000293235	0.000324353
2086 Jun	62.03546524	0.056974579	0.013825776	0.001013936	14.17549992	0.027395634	5.010643005	0.000999768	0.000999768	4.99921E-06	0.007063103	0.001345239	0.009794355	0.025625534	5.00055E-06	21.31665611	1.84443E-05	0.0002999	0.000336926
2086 Jul	61.36220551	0.055783108	0.01364468	0.001013585	13.97350788	0.027298057	4.93960762	0.000999774	0.000999774	4.99923E-06	0.007060491	0.001334249	0.009788346	0.025274621	5.00053E-06	21.03046608	1.84648E-05	0.00029692	0.000330964
2086 Aug	61.02159119	0.055337511	0.013522113	0.001013381	13.90217876	0.027508166	4.917490005	0.000999777	0.000999777	4.99924E-06	0.007032745	0.001330525	0.009794717	0.025111286	5.00053E-06	20.9012928	1.82626E-05	0.000294652	0.000327496
2086 Sep	60.64790344	0.055753488	0.013309784	0.001013019	13.84819508	0.027964067	4.903679371	0.000999783	0.000999783	4.99926E-06	0.007023737	0.001323862	0.009873621	0.024860688	5.00051E-06	20.73900414	1.80004E-05	0.00029291	0.00032163
2086 Oct	60.54683304	0.056352947	0.013222002	0.001012882	13.83923435	0.02814403	4.906175613	0.000999785	0.000999785	4.99927E-06	0.007039332	0.001321603	0.009892385	0.024779761	5.00051E-06	20.68788528	1.79687E-05	0.000291118	0.000319606
2086 Nov	60.54385757	0.056370605	0.013219416	0.001012878	13.83897114	0.028149333	4.906249046	0.000999785	0.000999785	4.99927E-06	0.007039792	0.001321537	0.009892939	0.024777379	5.00051E-06	20.68637848	1.79677E-05	0.000291089	0.000319546
2086 Dec	60.54319382	0.05637455	0.013218839	0.001012877	13.83891106	0.028150516	4.906265736	0.000999785	0.000999785	4.99927E-06	0.007039894	0.001321522	0.009893063	0.024776846	5.00051E-06	20.68604279	1.79675E-05	0.000291083	0.000319533
2087 Jan	60.54419708	0.056376934	0.013219016	0.001012876	13.83922577	0.028150797	4.906383038	0.000999785	0.000999785	4.99927E-06	0.007039913	0.001321538	0.00989306	0.024777368	5.00051E-06	20.68647003	1.79675E-05	0.000291087	0.000319541
2087 Feb	60.54586411	0.056378361	0.013219519	0.001012876	13.83967972	0.028150635	4.906533718	0.000999785	0.000999785	4.99927E-06	0.00703989	0.001321568	0.009893	0.024778318	5.00051E-06	20.68720436	1.79675E-05	0.000291095	0.000319559
2087 Mar	60.54677582	0.056379139	0.013219793	0.001012876	13.83992767	0.028150545	4.906616688	0.000999785	0.000999785	4.99927E-06	0.007039877	0.001321584	0.009892968	0.024778835	5.00051E-06	20.6876049	1.79676E-05	0.000291099	0.000319568
2087 Apr	60.5472908	0.056379583	0.013219949	0.001012876	13.84006786	0.028150495	4.906663895	0.000999785	0.000999785	4.99927E-06	0.00703987	0.001321593	0.00989295	0.024779132	5.00051E-06	20.68783188	1.79676E-05	0.000291102	0.000319574
2087 May	61.12912369	0.056629222	0.0134084	0.001012621	13.98610687	0.02798935	4.95300436	0.00099979	0.00099979	4.99929E-06	0.007032655	0.001331696	0.009864418	0.025116703	5.0005E-06	20.94366074	1.80325E-05	0.000294244	0.000326108
2087 Jun	62.55382156	0.056710888	0.01389675	0.001011646	14.31757164	0.02737215	5.052681923	0.000999806	0.000999806	4.99934E-06	0.007016506	0.001356052	0.00977811	0.025955359	5.00046E-06	21.56965446	1.82995E-05	0.000302573	0.000342982
2087 Jul	62.13834763	0.056006648	0.013778287	0.001011475	14.20671082	0.027425114	5.016392231	0.000999809	0.000999809	4.99935E-06	0.007000368	0.001350824	0.009760984	0.025760354	5.00045E-06	21.40467453	1.82127E-05	0.000300214	0.000339407

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Aug	61.96018982	0.055754911	0.013718429	0.001011394	14.16752434	0.027518343	5.004415035	0.00099981	0.00099981	4.99936E-06	0.006986791	0.00134898	0.009758437	0.025678508	5.00045E-06	21.33747292	1.8119E-05	0.000299019	0.00033771
2087 Sep	61.85514069	0.056129552	0.013644806	0.001011295	14.15435696	0.027667955	5.003540516	0.00099812	0.00099812	4.99936E-06	0.006994864	0.001346838	0.009777785	0.025601301	5.00044E-06	21.28759384	1.8074E-05	0.000298162	0.000335857
2087 Oct	61.74113464	0.056726012	0.013553334	0.001011175	14.1421423	0.027851345	5.004984379	0.00099814	0.00099814	4.99937E-06	0.00701079	0.001344332	0.009797596	0.025512405	5.00044E-06	21.23058701	1.80415E-05	0.000297123	0.000333679
2087 Nov	61.69029617	0.056991994	0.013512544	0.001011122	14.13669491	0.027933124	5.005627632	0.00099815	0.00099815	4.99937E-06	0.007017892	0.001343214	0.00980643	0.025472764	5.00044E-06	21.20516586	1.8027E-05	0.00029666	0.000332708
2087 Dec	61.68929672	0.056997232	0.013511742	0.001011121	14.1365881	0.027934738	5.005640984	0.00099815	0.00099815	4.99937E-06	0.007018032	0.001343192	0.009806604	0.025471983	5.00044E-06	21.20466614	1.80267E-05	0.000296651	0.000332689
2088 Jan	61.69060135	0.057000443	0.013511967	0.001011121	14.13700199	0.027935131	5.005795002	0.00099815	0.00099815	4.99937E-06	0.007018057	0.001343214	0.009806605	0.025472658	5.00044E-06	21.20522118	1.80267E-05	0.000296656	0.0003327
2088 Feb	61.69285965	0.057002388	0.013512651	0.00101112	14.1376152	0.027934911	5.006000042	0.00099815	0.00099815	4.99937E-06	0.007018026	0.001343254	0.009806526	0.025473945	5.00044E-06	21.206213	1.80267E-05	0.000296667	0.000332723
2088 Mar	61.69408035	0.057003438	0.01351302	0.00101112	14.13794899	0.027934795	5.006111145	0.00099815	0.00099815	4.99937E-06	0.00701801	0.001343275	0.009806483	0.025474641	5.00044E-06	21.20675087	1.80267E-05	0.000296673	0.000332736
2088 Apr	61.69576263	0.057004888	0.013513 53	0.00101112	14.1384058	0.027934633	5.006263733	0.00099815	0.00099815	4.99937E-06	0.007017987	0.001343305	0.009806423	0.025475599	5.00044E-06	21.20749092	1.80268E-05	0.000296681	0.000332754
2088 May	61.75992203	0.05705484	0.013533247	0.001011108	14.15561295	0.02792624	5.011952877	0.00099815	0.00099815	4.99937E-06	0.007017135	0.001344434	0.00980401	0.025512278	5.00044E-06	21.23570442	1.80294E-05	0.000297001	0.000333437
2088 Jun	60.29444122	0.054013889	0.013186639	0.001010251	13.66848278	0.027314585	4.832042694	0.00099829	0.00099829	4.99942E-06	0.007042786	0.001317115	0.009803629	0.024714425	5.0004E-06	20.58819962	1.83619E-05	0.000292016	0.000320925
2088 Jul	59.70507431	0.052961145	0.013036065	0.001010006	13.48445702	0.027168868	4.766034603	0.00099833	0.00099833	4.99943E-06	0.00704849	0.001306687	0.009804683	0.02439604	5.00039E-06	20.33130074	1.84341E-05	0.000289671	0.000315656
2088 Aug	59.6211586	0.052875668	0.01300309	0.001009961	13.46873283	0.027236691	4.761075974	0.00099834	0.00099834	4.99944E-06	0.007041049	0.001305671	0.009811573	0.024352312	5.00039E-06	20.2989769	1.83738E-05	0.000289114	0.000314688
2088 Sep	59.55094528	0.053041548	0.012957568	0.001009901	13.4607296	0.027341759	4.759927273	0.00099835	0.00099835	4.99944E-06	0.007041443	0.001304359	0.00982776	0.024302423	5.00039E-06	20.26750946	1.8323E-05	0.000288572	0.000313473
2088 Oct	59.34337616	0.054498591	0.012762566	0.001009658	13.44943905	0.027774479	4.769241333	0.00099839	0.00099839	4.99945E-06	0.007077185	0.001299597	0.009872415	0.024128376	5.00038E-06	20.1604805	1.82416E-05	0.000286401	0.000308977
2088 Nov	59.28588486	0.054902144	0.012708558	0.001009591	13.44631195	0.027894326	4.771820545	0.00099984	0.00099984	4.99946E-06	0.007087084	0.001298277	0.009884782	0.02408017	5.00038E-06	20.13083839	1.8219E-05	0.0002858	0.000307732
2088 Dec	59.28508377	0.054907765	0.012707805	0.00100959	13.44626904	0.027895996	4.771856785	0.00099984	0.00099984	4.99946E-06	0.007087222	0.001298259	0.009884954	0.0240795	5.00038E-06	20.13042641	1.82187E-05	0.000285792	0.000307714
2089 Jan	59.28656006	0.054911189	0.01270808	0.00100959	13.44673061	0.027896404	4.772028446	0.00099984	0.00099984	4.99946E-06	0.007087245	0.001298284	0.009884952	0.024080269	5.00038E-06	20.13105583	1.82186E-05	0.000285797	0.000307727
2089 Feb	59.28892517	0.054913227	0.012708799	0.001009589	13.44737625	0.027896183	4.7722435	0.00099984	0.00099984	4.99946E-06	0.007087212	0.001298325	0.009884869	0.024081619	5.00038E-06	20.13209724	1.82187E-05	0.000285809	0.000307752
2089 Mar	59.29021454	0.054914337	0.012709191	0.001009589	13.44772816	0.027896063	4.772360802	0.00099984	0.00099984	4.99946E-06	0.007087194	0.001298348	0.009884823	0.024082353	5.00038E-06	20.13266373	1.82187E-05	0.000285815	0.000307765
2089 Apr	59.29112625	0.054915123	0.012709468	0.001009589	13.44797611	0.02789598	4.772443771	0.00099984	0.00099984	4.99946E-06	0.007087181	0.001298364	0.009884791	0.024082873	5.00038E-06	20.13306427	1.82187E-05	0.00028582	0.000307775
2089 May	60.1327095	0.05530357	0.012984774	0.001009327	13.66141224	0.027680229	4.840460777	0.00099845	0.00099845	4.99947E-06	0.007075871	0.001313018	0.009845493	0.024570208	5.00037E-06	20.50317383	1.83015E-05	0.000290321	0.000317159
2089 Jun	61.70657349	0.055660866	0.013521268	0.001008654	14.04294586	0.027125658	4.958237648	0.00099856	0.00099856	4.99951E-06	0.007055223	0.00134017	0.009761323	0.025489783	5.00034E-06	21.19504929	1.85278E-05	0.000299174	0.000335304
2089 Jul	61.33384323	0.05502646	0.013415258	0.001008537	13.94684982	0.027200174	4.927420139	0.00099858	0.00099858	4.99952E-06	0.007036742	0.001335867	0.009742981	0.025320226	5.00034E-06	21.04997063	1.84241E-05	0.000296937	0.000332128
2089 Aug	61.0294075	0.054553889	0.013319227	0.001008437	13.8786459	0.027347162	4.907018661	0.00099859	0.00099859	4.99952E-06	0.007012401	0.001333062	0.009728877	0.025188502	5.00033E-06	20.93732834	1.82678E-05	0.000294833	0.000329423
2089 Sep	60.88894653	0.055142704	0.013215711	0.00100833	13.86356354	0.027569629	4.907372475	0.00099861	0.00099861	4.99953E-06	0.007024924	0.00133013	0.009757118	0.025081975	5.00033E-06	20.86964035	1.82032E-05	0.000293626	0.000326816
2089 Oct	60.5821991	0.056936488	0.012958774	0.001008069	13.83655643	0.028114744	4.914647579	0.00099865	0.00099865	4.99954E-06	0.007071055	0.001323246	0.009816316	0.024835475	5.00032E-06	20.71422005	1.81031E-05	0.000290698	0.00032066
2089 Nov	60.54008484	0.057182763	0.012923499	0.001008034	13.83284855	0.028189585	4.915646076	0.00099866	0.00099866	4.99955E-06	0.007077389	0.001322301	0.009824444	0.024801632	5.00032E-06	20.69288063	1.80893E-05	0.000290296	0.000319815
2089 Dec	60.5392189	0.057187807	0.012922776	0.001008033	13.83277321	0.028191118	4.91566658	0.00099866	0.00099866	4.99955E-06	0.007077518	0.001322281	0.00982461	0.024800939	5.00032E-06	20.69244576	1.8089E-05	0.000290287	0.000319798
2090 Jan	60.54053116	0.057190888	0.01292302	0.001008032	13.83318424	0.028191485	4.915819168	0.00099866	0.00099866	4.99955E-06	0.00707754	0.001322303	0.009824611	0.024801619	5.00032E-06	20.6930027	1.8089E-05	0.000290292	0.000319809
2090 Feb	60.54270172	0.057192724	0.012923684	0.001008032	13.83377457	0.02819127	4.916016102	0.00099866	0.00099866	4.99955E-06	0.00707751	0.001322341	0.009824535	0.024802858	5.00032E-06	20.69395828	1.8089E-05	0.000290303	0.000319832
2090 Mar	60.54388809	0.057193723	0.012924046	0.001008032	13.83409691	0.028191155	4.916122913	0.00099866	0.00099866	4.99955E-06	0.007077493	0.001322362	0.009824494	0.024803532	5.00032E-06	20.69447708	1.8089E-05	0.000290309	0.000319844
2090 Apr	60.54456329	0.057194296	0.012924253	0.001008032	13.83428097	0.02819109	4.916184425	0.00099866	0.00099866	4.99955E-06	0.007077483	0.001322374	0.00982447	0.024803918	5.00032E-06	20.69477463	1.80891E-05	0.000290312	0.000319851
2090 May	60.68733215	0.057251673	0.01297192	0.001007993	13.87014389	0.028151385	4.927510262	0.00099867	0.00099867	4.99955E-06	0.00707553	0.001324849	0.009817803	0.024886621	5.00031E-06	20.75751114	1.81044E-05	0.000291087	0.000321453
2090 Jun	61.78626251	0.056299377	0.013427108	0.001007139	14.08054161	0.027280755	4.979175091	0.00099881	0.00099881	4.9996E-06	0.007061743	0.001342877	0.009729696	0.025551867	5.00028E-06	21.23872757	1.84871E-05	0.000298708	0.00033597
2090 Jul	61.25621033	0.055366002	0.013291174	0.001006997	13.9219017	0.027205372	4.923343658	0.00099883	0.00099883	4.9996E-06	0.007059712	0.001334189	0.00972623	0.025274441	5.00028E-06	21.01283455	1.85027E-05	0.000296364	0.00033125
2090 Aug	60.6138649	0.054766182	0.013039928	0.001006762	13.80148792	0.02772473	4.884053707	0.00099887	0.00099887	4.99962E-06	0.007006545	0.001325604	0.009797237	0.024922915	5.00027E-06	20.75963593	1.80509E-05	0.000292287	0.000323512
2090 Sep	60.24923325	0.056012988	0.012790469	0.001006544	13.75951672	0.028272644	4.88150835	0.00099891	0.00099891	4.99963E-06	0.007028197	0.001318269	0.009872654	0.024653831	5.00026E-06	20.58815002	1.78577E-05	0.00028931	0.000316984
2090 Oct	59.87339401	0.058328446	0.01247113	0.001006276	13.72838402	0.028958313	4.892103672	0.00099895	0.00099895	4.99964E-06	0.007088528	0.001309731	0.009945508	0.024348292	5.00025E-06	20.39597893	1.77405E-05	0.000285649	0.00030932
2090 Nov	59.77188873	0.058953814	0.012384882	0.001006204	13.71997643	0.029143501	4.894965649	0.00099897	0.00099897	4.99965E-06	0.007104822	0.001307426	0.009965185	0.024265772	5.00024E-06	20.34407616	1.77089E-05	0.00028466	0.00030725
2090 Dec	59.77041245	0.058962896	0.012383629	0.001006203	13.7198534	0.029146191	4.8950071 33	0.00099897	0.00099897	4.99965E-06	0.007105059	0.001307392	0.009965472	0.024264572	5.00024E-06	20.34332275	1.77084E-05	0.000284646	0.000307722
2091 Jan	59.77222824	0.058966905	0.012383995	0.001006202	13.72041321	0.029146615	4.895213604	0.00099897	0.00099897	4.99965E-06	0.007105086	0.001307422	0.009965463	0.02426552	5.00024E-06	20.34409523	1.77084E-05	0.000284653	0.000307235
2091 Feb	59.77515793	0.0589693	0.012384902	0.001006202	13.72120762	0.029146299	4.895477772	0.00099897	0.00099897	4.99965E-06	0.007105044	0.001307474	0.009965356	0.024267197	5.00024E-06	20.3453846	1.77085E-05	0.000284667	0.000307266
2091 Mar	59.77676392	0.058970615	0.012385398	0.001006202	13.72164249	0.029146124	4.895621777	0.00099897	0.00099897	4.99965E-06	0.007105021	0.001307503	0.009965298	0.024268113	5.00024E-06	20.34609032	1.77085E-05	0.000284675	0.000307283
2091 Apr	59.77767563	0.05897136	0.01238568	0.001006202	13.7218895	0.029146025	4.895704269	0.00099897	0.00099897	4.99965E-06	0.007105008	0.001307519	0.009965264	0.024268635	5.00024E-06	20.34649277	1.77085E-05	0.00028468	0.000307293
2091 May	60.25692749	0.059130687	0.012550184	0.001006103	13.84099388	0.029000906	4.933077812	0.00099898	0.00099898	4.99965E-06	0.007098182	0.001315852	0.009941217	0.024547702	5.00024E-06	20.55726433	1.77647E-05	0.000287304	0.000312732
2091 Jun	62.09801483	0.059032697	0.013231795	0.001005532	14.26566124	0.028158817	5.058959007	0.00099908	0.00099908	4.99969E-06	0.007072007	0.001347439	0.009828537	0.025635863	5.00022E-06	21.36653709	1.81124E-05	0.000298197	0.000334765
2091 Jul	61.84367371	0.058564276	0.013169093	0.00100548	14.18881702	0.028115954	5.031804085	0.00099909	0.00099909	4.99969E-06	0.007070782	0.001343293	0.009825807	0.025503742	5.00022E-06	21.25832558	1.81223E-05	0.000297085	0.00033254
2091 Aug	61.42672729	0.058107644	0.013014851	0.001005366	14.10670185	0.028418038	5.004678249	0.00099911	0.00099911	4.9997E-06	0.007037085	0.001337774	0.009865494	0.025279677	5.00021E-06	21.09415245	1.7849E-05	0.000294491	0.000327698
2091 Sep	61.06869888	0.058208991	0.012842766	0.001005238	14.04894066	0.028795671	4.986902714	0.00099913	0.00099913	4.9997E-06	0.007020429	0.001331597	0.009938522	0.025047995	5.00021E-06	20.94152832	1.75967E-05	0.000292234	0.000322423
2091 Oct	60.85310745	0.059380844	0.012673483	0.001005125	14.02630043	0.029145434	4.990207672	0.00099915	0.00099915	4.99971E-06	0.007052365	0.001326814	0.009975464	0.024878599	5.0002E-06	20.83270836	1.75407E-05	0.000290243	0.00031827
2091 Nov	60.68132401	0.060314585	0.012538596	0.001005035	14.00825977	0.029424131	4.99284029	0.00099916	0.00099916	4.99971E-06	0.007077811	0.001323002	0.0100049	0.024743622	5.0002E-06	20.74599838	1.7496E-05	0.000288657	0.00031496
2091 Dec	60.67279434	0.060360942	0.0125319	0.00100503	14.00736332	0.029437967	4.99297142	0.00099916	0.00099916	4.99972E-06	0.007079075	0.001322813	0.010006362	0.02473692	5.0002E-06	20.7416935	1.74938E-05	0.000288578	0.000314796
2092 Jan	60.67484283	0.060365491	0.012532317	0.00100503	14.0079937	0.029438434	4.993204117	0.00099916	0.00099916	4.99972E-06	0.007079108	0.001322847	0.010006347	0.024737991	5.0002E-06	20.74256516	1.74937E-05	0.000288586	0.000314814
2092 Feb	60.67825699	0.060368255	0.012533378	0.001005029	14.00891781	0.029438049	4.993510723	0.00099916	0.00099916	4.99972E-06	0.00707906	0.001322908	0.010006221	0.024739945	5.0002E-06	20.74406815	1.74938E-05	0.000288603	0.00031485
2092 Mar	60.68011093	0.06036976	0.012533954	0.001005029	14.00941849	0.029437838	4.993677616	0.00099916	0.00099916	4.99972E-06	0.007079034	0.001322941	0.010006151	0.024741005	5.0002E-06	20.74488449	1.74939E-05	0.000288612	0.000314869
2092 Apr	60.6811409	0.060370594	0.012534276	0.001005029	14.00969791	0.029437723	4.993770123	0.00099916	0.00099916	4.99972E-06	0.007079019	0.001322959	0.010006113	0.024741596	5.0002E-06	20.74533844	1.74939E-05	0.000288617	0.00031488
2092 May	61.27951431	0.0605475 65	0.012742968	0.001004927	14.15711403	0.02924498	5.039868832	0.00099918	0.00099918	4.99972E-06	0.007070765	0.001333369	0.009974328	0.025091112	5.00019E-06	21.00846672	1.75706E-05	0.000291914	0.000321726
2092 Jun	63.09539795	0.059586477	0.013486363	0.001004291	14.53439236	0.028052373	5.142470837	0.00099928	0.00099928	4.99976E-06	0.007046652	0.001364124	0.00983157	0.026187532	5.00017E-06	21.80603981	1.80887E-05	0.000303616	0.000344954
2092 Jul	62.31640625	0.058185868	0.013295115	0.001004171	14.29818058	0.027914254	5.058987141	0.00099931	0.00099931	4.99976E-06	0.007045721	0.001351205	0.009825203	0.025779011	5.00016E-06	21.47260857	1.81316E-05	0.000300247	0.000338081
2092 Aug	62.17694092	0.058039419	0.013243834	0.001004142	14.27061272	0.028014433	5.049939632	0.00099931	0.00099931	4.99977E-06	0.00703488	0.001349346	0.009838223	0.025703883	5.00016E-06	21.41749763	1.80422E-05	0.000299378	0.00033646
2092 Sep	61.99582672	0.058214746	0.013150954	0.001004092	14.24224472	0.028214583	5.0424366	0.00099932	0.00099932	4.99977E-06	0.007031661	0.001346118	0.009872832	0.025584048	5.00016E-06	21.33832932	1.79295E-05	0.000298162	0.000333709
2092 Oct	61.87801361	0.058800675	0.013062976	0.001004047	14.22883701	0.028395755	5.043489456	0.00099933	0.00099933	4.99977E-06	0.00704751	0.001343569	0.009892014	0.025493555	5.00016E-06	21.27962875	1.78979E-05	0.000297103	0.00033151
2092 Nov	61.84513474	0.058964197	0.013038423	0.001004035	14.2250948	0.028446319	5.043783188	0.00099933	0.00099933	4.99977E-06	0.007051933	0.001342858	0.009897367	0.025468299	5.00016E-06	21.26324844	1.78891E-05	0.000296807	0.000330897
2092 Dec	61.84415436	0.058969051	0.013037694	0.001004035	14.22498417	0.02844782	5.043792248	0.00099933	0.00099933	4.99977E-06	0.007052064	0.001342837	0.009897526	0.02546755	5.00016E-06	21.26276398	1.78888E-05	0.000296799	0.000330879
2093 Jan	61.84539795	0.058972016	0.013037933	0.001004035	14.22537327	0.028448166	5.043937206	0.00099933	0.00099933	4.99977E-06	0.007052087	0.001342858	0.009897523	0.025468193	5.00016E-06	21.2632885	1.78888E-05	0.000296803	0.000330889
2093 Feb	61.84751892	0.058973789	0.013038589	0.001004034	14.22594833	0.02844795	5.044129372	0.00099933	0.00099933	4.99977E-06	0.007052057	0.001342895	0.009897445	0.025469404	5.00016E-06	21.26422119	1.78888E-05	0.000296814	0.000330911
2093 Mar	61.84867859	0.058974762	0.013038946	0.001004034	14.22626305	0.028447831	5.044233799	0.00099933	0.00099933	4.99977E-06	0.007052041	0.001342916	0.009897403	0.025470067	5.00016E-06	21.26473236	1.78889E-05	0.000296819	0.000330924
2093 Apr	61.84933853	0.058975313	0.013039151	0.001004034	14.22644329	0.028447762	5.04429388	0.00099933	0.00099933	4.99977E-06	0.007052032	0.001342927	0.009897379	0.025470443	5.00016E-06	21.26502228	1.78889E-05	0.000296823	0.000330931
2093 May	62.33353806	0.059148028	0.01320635	0.001003965	14.34695244	0.028302347	5.082275867	0.00099934	0.00099934	4.99978E-06	0.00704554	0.001351357	0.009872461	0.025752472	5.00016E-06	21.47784233	1.79467E-05	0.00029946	0.000336424
2093 Jun	63.75792694	0.05881732	0.013761161	0.001003596	14.66174221	0.027530085	5.172939777	0.00099994	0.00099994	4.9998E-06	0.007027455	0.001375661	0.00977291	0.026601959	5.00014E-06	22.10308266	1.82804E-05	0.000308178	0.000353967
2093 Jul	63.34009171	0.058102295	0.0136524	0.001003544	14.54383373	0.027528817	5.132931232	0.00099941	0.00099941	4.9998E-06	0.007018582	0.001369627	0.009762633	0.026394611	5.00014E-06	21.930933	1.82424E-05	0.000306054	0.000350306
2093 Aug	63.11411285	0.057795446	0.01357915	0.001003513	14.49435234	0.027648369	5.117556095	0.00099941	0.00099941	4.9998E-06	0.007002014	0.001367124	0.009763411	0.026287183	5.00014E-06	21.84441948	1.81247E-05	0.000304573	0.00034808
2093 Sep	62.93325043	0.058345329	0.013465952	0.001003465	14.46908283	0.02788063	5.114499092	0.00099942	0.00099942	4.9998E-06	0.007014064	0.00136352	0.00979385	0.026157811	5.00014E-06	21.75926971	1.80528E-05	0.000303156	0.000345035
2093 Oct	62.50521469	0.06030101	0.013160223	0.00100334	14.41602993	0.028498858	5.115419865	0.00099944	0.00099944	4.99981E-06	0.007067726	0.001354365	0.009860881	0.025834318	5.00013E-06	21.54767609	1.79426E-05	0.00029943	0.00033727
2093 Nov	62.31202316	0.061183702	0.013022233	0.001003284	14.39208412	0.028777894	5.115835667	0.00099945	0.00099945	4.99981E-06	0.007091946	0.001350233	0.009891135	0.025688313	5.00013E-06	21.45217323	1.78928E-05	0.000297749	0.000333765
2093 Dec	62.30995178	0.061193153	0.013020754	0.001003283	14.39182854	0.028780883	5.115839958	0.00099945	0.00099945	4.99981E-06	0.007092205	0.001350189	0.009891459	0.025686748	5.00013E-06	21.45114899	1.78923E-05	0.000297731	0.000333727
2094 Jan	62.31164932	0.061197132	0.013021088	0.001003283	14.39235973	0.028781345	5.116037369	0.00099945	0.00099945	4.99981E-06	0.007092234	0.001350217	0.009891455	0.025687629	5.00013E-06	21.45187187	1.78922E-05	0.000297737	0.000333742
2094 Feb	62.31459808	0.061199542	0.013022006	0.001003282	14.39315891	0.028781028	5.116303444	0.00099945	0.00099945	4.99981E-06	0.00709219	0.001350269	0.009891347	0.025689317	5.00013E-06	21.45317078	1.78923E-05	0.000297752	0.000333773
2094 Mar	62.31620407	0.061200853	0.013022507	0.001003282	14.39359474	0.028780855	5.116448879	0.00099945	0.00099945	4.99981E-06	0.007092167	0.001350298	0.009891288	0.025690235	5.00013E-06	21.4538784	1.78924E-05	0.00029776	0.00033379
2094 Apr	62.31712723	0.061201602	0.013022791	0.001003282	14.39384365	0.028780758	5.116531372	0.00099945	0.00099945	4.99981E-06	0.007092154	0.001350314	0.009891255	0.025690759	5.00013E-06	21.45428085	1.78924E-05	0.000297764	0.000333799
2094 May	63.09921265	0.061422311	0.013297886	0.00100319	14.58705139	0.028532481	5.176873684	0.00099947	0.00099947	4.99982E-06	0.007080356	0.001363951	0.009850498	0.026147773	5.00013E-06	21.79849434	1.79873E-05	0.00030207	0.000342742
2094 Jun	64.40814209	0.061345171	0.013792272	0.001002969	14.89019394	0.027941031	5.266974449	0.00099951	0.00099951	4.99983E-06	0.007060171	0.001386551	0.009769244	0.026923267	5.00012E-06	22.37450981	1.82262E-05	0.000309771	0.000358425

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Jul	64.13552856	0.060866613	0.013722025	0.001002941	14.81380081	0.027944224	5.241091728	0.000999951	0.000999951	4.99983E-06	0.007053148	0.001382711	0.009761763	0.026789565	5.00012E-06	22.26300812	1.81954E-05	0.000308365	0.000356056
2094 Aug	64.00963593	0.060687255	0.013682158	0.001002927	14.78575706	0.028006658	5.232264519	0.000999951	0.000999951	4.99983E-06	0.00704403	0.001381299	0.009762107	0.026729695	5.00011E-06	22.21469116	1.81321E-05	0.000307554	0.000354828
2094 Sep	63.79659653	0.061343219	0.013550396	0.001002882	14.75440311	0.028266896	5.228309631	0.000999952	0.000999952	4.99984E-06	0.007060303	0.00137702	0.009794927	0.026577853	5.00011E-06	22.11372375	1.80616E-05	0.000305893	0.000351289
2094 Oct	63.50006866	0.062536135	0.013351012	0.001002815	14.71349335	0.02865709	5.226250172	0.000999953	0.000999953	4.99984E-06	0.007093875	0.001370793	0.009838185	0.026359174	5.00011E-06	21.96882629	1.79902E-05	0.000303423	0.000346129
2094 Nov	63.19267273	0.06377279	0.013144315	0.001002745	14.6710825	0.029061595	5.224115849	0.000999954	0.000999954	4.99984E-06	0.007128678	0.001364338	0.009883029	0.026132474	5.00011E-06	21.81861687	1.79162E-05	0.000300864	0.000340779
2094 Dec	63.17314529	0.063851364	0.013131183	0.001002741	14.66838837	0.029087296	5.223979473	0.000999954	0.000999954	4.99984E-06	0.00713089	0.001363928	0.009885879	0.02611807	5.00011E-06	21.80907249	1.79115E-05	0.000300701	0.00034044
2095 Jan	63.17512131	0.063855931	0.013131578	0.00100274	14.66900539	0.029087821	5.224208832	0.000999954	0.000999954	4.99984E-06	0.00713092	0.001363961	0.009885874	0.0261191	5.00011E-06	21.80991554	1.79114E-05	0.000300709	0.000340456
2095 Feb	63.17863464	0.06385871	0.013132679	0.00100274	14.66995716	0.029087426	5.224524498	0.000999954	0.000999954	4.99984E-06	0.007130867	0.001364023	0.009885743	0.026121113	5.00011E-06	21.81146431	1.79115E-05	0.000300726	0.000340494
2095 Mar	63.18055725	0.06386023	0.013133281	0.00100274	14.67047691	0.029087212	5.224697113	0.000999954	0.000999954	4.99984E-06	0.007130838	0.001364057	0.009885673	0.026122212	5.00011E-06	21.81231117	1.79115E-05	0.000300735	0.000340514
2095 Apr	63.18165207	0.063861094	0.013133623	0.00100274	14.67077351	0.029087089	5.224795341	0.000999954	0.000999954	4.99984E-06	0.007130821	0.001364077	0.009885632	0.026122838	5.00011E-06	21.81279182	1.79115E-05	0.000300741	0.000340526
2095 May	63.95668411	0.064009979	0.013411824	0.001002661	14.86040688	0.028824264	5.283392429	0.000999956	0.000999956	4.99985E-06	0.007117634	0.001377629	0.009844103	0.026577845	5.0001E-06	22.15453529	1.80081E-05	0.000305059	0.000349479
2095 Jun	64.9389267	0.063911691	0.013786353	0.001002528	15.08829784	0.028382543	5.350863457	0.000999958	0.000999958	4.99986E-06	0.007100049	0.001394691	0.009783463	0.027161513	5.0001E-06	22.58786964	1.81777E-05	0.000310839	0.000361277
2095 Jul	64.69745636	0.063480392	0.013722118	0.001002508	15.02552509	0.028425323	5.330536842	0.000999958	0.000999958	4.99986E-06	0.007087701	0.001391902	0.009771497	0.027051974	5.0001E-06	22.49384689	1.81119E-05	0.000309407	0.000359242
2095 Aug	64.21863556	0.062817514	0.013567518	0.001002461	14.92007732	0.028674018	5.296390533	0.000999959	0.000999959	4.99986E-06	0.007053251	0.001386092	0.009786117	0.0268142	5.0001E-06	22.30749321	1.78641E-05	0.000306426	0.000354343
2095 Sep	63.92958069	0.06274914	0.013444861	0.001002421	14.86697578	0.028920993	5.278810978	0.00099996	0.00099996	4.99986E-06	0.007039254	0.001381162	0.00983766	0.026633173	5.0001E-06	22.18485451	1.76861E-05	0.00030473	0.00035037
2095 Oct	63.85038757	0.063055784	0.013392811	0.001002406	14.85546875	0.029020097	5.277955532	0.00099996	0.00099996	4.99986E-06	0.007048258	0.001379491	0.009848831	0.026575031	5.00009E-06	22.14611626	1.76695E-05	0.000304084	0.000349012
2095 Nov	63.67578506	0.063731819	0.013278058	0.001002374	14.83009911	0.029238589	5.276069164	0.00099996	0.00099996	4.99987E-06	0.007068107	0.001375806	0.009873458	0.026446847	5.00009E-06	22.06071472	1.7633E-05	0.000302661	0.000346017
2095 Dec	63.65056992	0.063829444	0.013261487	0.001002369	14.82643604	0.029270137	5.275796413	0.000999961	0.000999961	4.99987E-06	0.007070973	0.001375274	0.009877014	0.026428336	5.00009E-06	22.04838181	1.76277E-05	0.000302455	0.000345585
2096 Jan	63.65275955	0.063834608	0.013261922	0.001002369	14.82711887	0.029270718	5.276051044	0.000999961	0.000999961	4.99987E-06	0.007071014	0.00137531	0.009877009	0.026429472	5.00009E-06	22.04931068	1.76277E-05	0.000302464	0.000345603
2096 Feb	63.65674591	0.063837782	0.013263171	0.001002369	14.82819653	0.02927026	5.276408672	0.000999961	0.000999961	4.99987E-06	0.007070956	0.001375381	0.009876862	0.026431751	5.00009E-06	22.05106544	1.76278E-05	0.000302484	0.000345645
2096 Mar	63.65891647	0.06383951	0.013263848	0.001002368	14.82878113	0.02927001	5.276602268	0.000999961	0.000999961	4.99987E-06	0.007070925	0.001375419	0.009876782	0.026432989	5.00009E-06	22.05201721	1.76278E-05	0.000302494	0.000345668
2096 Apr	63.66011429	0.063840464	0.013264226	0.001002368	14.82910633	0.029269872	5.276710033	0.000999961	0.000999961	4.99987E-06	0.007070907	0.00137544	0.009876737	0.026433678	5.00009E-06	22.05254745	1.76279E-05	0.0003025	0.000345681
2096 May	64.07176971	0.063921429	0.013412621	0.001002331	14.92918777	0.029124927	5.307590008	0.000999961	0.000999961	4.99987E-06	0.007064713	0.001382591	0.009854421	0.026674876	5.00009E-06	22.23360825	1.76845E-05	0.000304808	0.000350442
2096 Jun	63.97260666	0.061059989	0.013600297	0.001002053	14.77629852	0.028037099	5.230661392	0.000999966	0.000999966	4.99988E-06	0.007063793	0.001379377	0.009778072	0.026682967	5.00008E-06	22.18872452	1.8183E-05	0.000307427	0.000353836
2096 Jul	63.36067581	0.059961002	0.013452794	0.001002009	14.59031296	0.027924469	5.164693356	0.000999966	0.000999966	4.99989E-06	0.007063777	0.001369103	0.009775322	0.026359739	5.00008E-06	21.92580605	1.82207E-05	0.000304815	0.000348403
2096 Aug	63.23692322	0.059833419	0.013407849	0.001001998	14.56570053	0.02801205	5.156494141	0.000999967	0.000999967	4.99989E-06	0.007054524	0.001367386	0.009788189	0.026291786	5.00008E-06	21.8764019	1.8143E-05	0.000304062	0.000346944
2096 Sep	62.9522934	0.060589783	0.013238276	0.001001956	14.52420044	0.02836054	5.150183201	0.000999967	0.000999967	4.99989E-06	0.007069965	0.001361818	0.009835594	0.026091482	5.00008E-06	21.74384689	1.80252E-05	0.000301895	0.000342269
2096 Oct	62.51294327	0.06251087	0.012933395	0.001001884	14.46779251	0.028976334	5.149806023	0.000999969	0.000999969	4.99989E-06	0.007122887	0.001352498	0.009902741	0.025762428	5.00007E-06	21.52757645	1.79133E-05	0.000298124	0.000334414
2096 Nov	62.40901566	0.062965311	0.012861275	0.001001867	14.45444965	0.029121999	5.149716854	0.000999969	0.000999969	4.99989E-06	0.007135406	0.001350294	0.009918625	0.02568459	5.00007E-06	21.47641945	1.78868E-05	0.000297232	0.000332555
2096 Dec	62.40779877	0.062970616	0.012860432	0.001001866	14.4542942	0.029123703	5.1497159	0.000999969	0.000999969	4.99989E-06	0.007135552	0.001350268	0.009918811	0.025683679	5.00007E-06	21.47582245	1.78865E-05	0.000297221	0.000332534
2097 Jan	62.40923691	0.062973902	0.012860726	0.001001866	14.45474148	0.029124076	5.14988184	0.000999969	0.000999969	4.99989E-06	0.007135574	0.001350292	0.009918805	0.025684427	5.00007E-06	21.4764328	1.78864E-05	0.000297227	0.000332546
2097 Feb	62.41173172	0.062975883	0.012861507	0.001001866	14.45541763	0.029123798	5.15010643	0.000999969	0.000999969	4.99989E-06	0.007135537	0.001350336	0.009918714	0.025685856	5.00007E-06	21.47753143	1.78865E-05	0.000297239	0.000332572
2097 Mar	62.41309738	0.062976971	0.012861934	0.001001866	14.45578671	0.029123645	5.1502285	0.000999969	0.000999969	4.99989E-06	0.007135516	0.001350361	0.009918664	0.025686637	5.00007E-06	21.47813416	1.78865E-05	0.000297246	0.000332587
2097 Apr	62.41387558	0.06297759	0.012862178	0.001001866	14.45599747	0.02912356	5.150298595	0.000999969	0.000999969	4.99989E-06	0.007135504	0.001350374	0.009918635	0.025687082	5.00007E-06	21.47847557	1.78866E-05	0.00029725	0.000332595
2097 May	62.80158615	0.063062474	0.013001286	0.00100184	14.55124187	0.028995248	5.179844379	0.000999969	0.000999969	4.9999E-06	0.007129026	0.001357158	0.009897975	0.025914486	5.00007E-06	21.64937592	1.79339E-05	0.000299399	0.000337061
2097 Jun	63.89268494	0.062604964	0.013447547	0.001001712	14.78894711	0.028368961	5.246482372	0.000999971	0.000999971	4.9999E-06	0.007108854	0.001375972	0.00982004	0.026571561	5.00007E-06	22.13075066	1.81832E-05	0.000306194	0.00035073
2097 Jul	63.58346939	0.062040113	0.013369634	0.001001694	14.70263481	0.028374672	5.217255116	0.000999972	0.000999972	4.9999E-06	0.007099343	0.001371744	0.009810066	0.026422262	5.00007E-06	22.00533295	1.81421E-05	0.000304579	0.000348085
2097 Aug	63.36198044	0.061718281	0.013299757	0.001001679	14.65377998	0.028488418	5.201669693	0.000999972	0.000999972	4.9999E-06	0.007082563	0.001369222	0.00981305	0.026315758	5.00007E-06	21.92025566	1.80259E-05	0.000303165	0.000345891
2097 Sep	63.26130676	0.061836384	0.013248698	0.001001668	14.63727188	0.028593605	5.197483063	0.000999972	0.000999972	4.99991E-06	0.007082589	0.001367386	0.009830595	0.026248889	5.00007E-06	21.87555313	1.79729E-05	0.000302487	0.000344373
2097 Oct	63.09556961	0.062525734	0.013136461	0.001001645	14.614995	0.028816842	5.19670105	0.000999973	0.000999973	4.99991E-06	0.007101876	0.001363884	0.00985535	0.026125763	5.00006E-06	21.79424667	1.79324E-05	0.000301092	0.000341456
2097 Nov	63.00862885	0.062887341	0.013077588	0.001001633	14.60330963	0.028933937	5.19629097	0.000999973	0.000999973	4.99991E-06	0.007111992	0.001362047	0.009868336	0.026061179	5.00006E-06	21.75159836	1.79112E-05	0.000300361	0.000339926
2097 Dec	62.99465179	0.062945485	0.013068121	0.001001631	14.60142994	0.028952766	5.196224689	0.000999973	0.000999973	4.99991E-06	0.007113619	0.001361751	0.009870424	0.026050793	5.00006E-06	21.74473953	1.79078E-05	0.000300243	0.00033968
2098 Jan	62.99705124	0.062951058	0.013068604	0.001001631	14.60217953	0.028953413	5.196503162	0.000999973	0.000999973	4.99991E-06	0.007113658	0.001361791	0.009870419	0.026052039	5.00006E-06	21.74575806	1.79077E-05	0.000300253	0.0003397
2098 Feb	63.00127411	0.062954448	0.013069928	0.001001631	14.60332489	0.028952947	5.196883202	0.000999973	0.000999973	4.99991E-06	0.007113595	0.001361866	0.009870265	0.026054457	5.00006E-06	21.74761963	1.79078E-05	0.000300273	0.000339745
2098 Mar	63.00358582	0.062956296	0.01307065	0.001001631	14.6039505	0.028952692	5.197091103	0.000999973	0.000999973	4.99991E-06	0.00711356	0.001361907	0.00987018	0.026055777	5.00006E-06	21.74863434	1.79078E-05	0.000300285	0.000339769
2098 Apr	63.07183075	0.063010961	0.013092025	0.00100163	14.62243843	0.028945167	5.203229427	0.000999973	0.000999973	4.99991E-06	0.00711254	0.001363116	0.009867684	0.026094817	5.00006E-06	21.77868652	1.79096E-05	0.000300621	0.000340492
2098 May	64.39922333	0.063448019	0.013557405	0.001001559	14.95448494	0.028558124	5.307621479	0.000999974	0.000999974	4.99991E-06	0.007091272	0.001386343	0.009801669	0.026868943	5.00006E-06	22.36325264	1.80504E-05	0.000307838	0.000355543
2098 Jun	66.10411072	0.062983193	0.014236527	0.001001397	15.33584213	0.027666621	5.417134762	0.000999977	0.000999977	4.99992E-06	0.007061611	0.001415713	0.00968827	0.027887605	5.00005E-06	23.11425972	1.84058E-05	0.000318227	0.000376492
2098 Jul	65.80699921	0.06247076	0.014162052	0.001001383	15.24922276	0.027642567	5.387056351	0.000999977	0.000999977	4.99992E-06	0.007058447	0.001411051	0.009685022	0.027734594	5.00005E-06	22.98904228	1.83995E-05	0.000316835	0.000373845
2098 Aug	65.384758	0.062030435	0.014012519	0.001001358	15.16188049	0.027912946	5.357963562	0.000999977	0.000999977	4.99992E-06	0.007030237	0.001405088	0.009724669	0.027503164	5.00005E-06	22.81915474	1.81601E-05	0.00031431	0.000368952
2098 Sep	64.80995178	0.062992737	0.013710197	0.001001311	15.06523705	0.02849837	5.336248875	0.000999978	0.000999978	4.99993E-06	0.007047051	0.00139427	0.009812418	0.027116757	5.00005E-06	22.55793381	1.7926E-05	0.000310311	0.000360222
2098 Oct	64.34949493	0.064653099	0.013418077	0.001001267	14.99597359	0.029051796	5.329667091	0.000999979	0.000999979	4.99993E-06	0.007095779	0.001384737	0.009874047	0.026784174	5.00005E-06	22.33464241	1.78278E-05	0.000306612	0.000352501
2098 Nov	64.18392181	0.065250129	0.013313037	0.001001251	14.97106838	0.029250797	5.327300072	0.000999979	0.000999979	4.99993E-06	0.007113301	0.001381309	0.009896208	0.026664581	5.00005E-06	22.25435066	1.77926E-05	0.000305281	0.000349724
2098 Dec	64.18135071	0.065259419	0.013311404	0.001001251	14.97068024	0.029253893	5.327263355	0.000999979	0.000999979	4.99993E-06	0.007113574	0.001381255	0.009896552	0.026662722	5.00005E-06	22.25310135	1.7792E-05	0.000305261	0.000349681
2099 Jan	64.18292236	0.0652631	0.01331172	0.001001251	14.97117233	0.029254317	5.327446461	0.000999979	0.000999979	4.99993E-06	0.007113601	0.001381281	0.009896547	0.02666354	5.00005E-06	22.25377083	1.77919E-05	0.000305267	0.000349694
2099 Feb	64.18578339	0.06526535	0.013312621	0.001001251	14.97194767	0.029253986	5.327703476	0.000999979	0.000999979	4.99993E-06	0.007113557	0.001381332	0.00989644	0.026665181	5.00005E-06	22.25503159	1.7792E-05	0.000305281	0.000349725
2099 Mar	64.18735504	0.065266579	0.013313117	0.001001251	14.97237206	0.029253805	5.327844143	0.000999979	0.000999979	4.99993E-06	0.007113533	0.00138136	0.009896381	0.026666081	5.00005E-06	22.25572395	1.77921E-05	0.000305288	0.000349741
2099 Apr	64.30706024	0.065360427	0.013350797	0.001001249	15.00472832	0.029239962	5.338573933	0.000999979	0.000999979	4.99993E-06	0.007111718	0.001383482	0.009891898	0.02673465	5.00005E-06	22.3084507	1.77954E-05	0.000305879	0.000351013
2099 May	67.59526825	0.066997565	0.014461274	0.001001149	15.85262108	0.028501604	5.611112118	0.000999981	0.000999981	4.99994E-06	0.007059135	0.00144144	0.009741307	0.028641898	5.00005E-06	23.75754356	1.80429E-05	0.0003231	0.000387456
2099 Jun	68.03497314	0.066406026	0.014674726	0.001001094	15.93077374	0.028094444	5.628431797	0.000999982	0.000999982	4.99994E-06	0.007049769	0.001448896	0.009697525	0.028917342	5.00004E-06	23.95193672	1.82111E-05	0.000326265	0.000393621
2099 Jul	67.68048096	0.065798372	0.014583448	0.001001082	15.83199024	0.028103227	5.595034599	0.000999982	0.000999982	4.99994E-06	0.007040821	0.001443878	0.009688786	0.028742539	5.00004E-06	23.80667114	1.81694E-05	0.000324429	0.00039051
2099 Aug	67.38830566	0.06550505	0.014479676	0.00100107	15.77064991	0.02828332	5.574138165	0.000999982	0.000999982	4.99994E-06	0.007023119	0.001439476	0.009721022	0.028577358	5.00004E-06	23.6871357	1.80123E-05	0.000322755	0.000387045
2099 Sep	66.92524719	0.065794677	0.014268215	0.001001044	15.68338108	0.028667022	5.549379826	0.000999983	0.000999983	4.99994E-06	0.007022612	0.001431156	0.009787698	0.028280931	5.00004E-06	23.4828186	1.7814E-05	0.000319844	0.000380569
2099 Oct	66.57798767	0.066818289	0.014065087	0.001001021	15.62457085	0.029024983	5.540407658	0.000999983	0.000999983	4.99994E-06	0.007054992	0.001424117	0.009828513	0.028038073	5.00004E-06	23.31662941	1.77524E-05	0.000317218	0.000375077
2099 Nov	66.39584351	0.067355201	0.013958544	0.001001009	15.5937233	0.029212741	5.535701275	0.000999983	0.000999983	4.99994E-06	0.007071975	0.001420425	0.009849921	0.027910691	5.00004E-06	23.22946167	1.772E-05	0.00031584	0.000372197
2099 Dec	66.39359283	0.067361832	0.013957227	0.001001009	15.59334278	0.029215062	5.535643101	0.000999983	0.000999983	4.99994E-06	0.007072185	0.00142038	0.009850186	0.027909119	5.00004E-06	23.22838211	1.77196E-05	0.000315823	0.000372161
2100 Jan	66.3949585	0.067365251	0.013957486	0.001001009	15.59377384	0.029215476	5.535805702	0.000999983	0.000999983	4.99994E-06	0.007072214	0.001420402	0.009850184	0.027909821	5.00004E-06	23.22896004	1.77196E-05	0.000315828	0.000372173
2100 Feb	66.39764404	0.067367353	0.013958337	0.001001009	15.59450245	0.029215157	5.536046982	0.000999983	0.000999983	4.99994E-06	0.007072174	0.00142045	0.009850082	0.027911365	5.00004E-06	23.23014641	1.77196E-05	0.000315841	0.000372201
2100 Mar	66.39911652	0.0673685	0.013958801	0.001001009	15.59489918	0.029214984	5.536178589	0.000999983	0.000999983	4.99994E-06	0.007072151	0.001420476	0.009850027	0.027912207	5.00004E-06	23.23079491	1.77197E-05	0.000315849	0.000372217
2100 Apr	66.39995575	0.067369156	0.013959066	0.001001009	15.5951252	0.029214883	5.536253452	0.000999983	0.000999983	4.99994E-06	0.007072139	0.001420491	0.009849995	0.027912688	5.00004E-06	23.23116302	1.77197E-05	0.000315853	0.000372226
2100 May	67.36759186	0.067436293	0.014319946	0.001000968	15.82625675	0.028836656	5.606612682	0.000999984	0.000999984	4.99995E-06	0.007055835	0.001437405	0.009792526	0.028484853	5.00004E-06	23.65786362	1.78646E-05	0.00032136	0.000383629
2100 Jun	68.3309021	0.066222727	0.014782954	0.001000873	16.00023079	0.027968753	5.646367073	0.000999985	0.000999985	4.99995E-06	0.007036389	0.001453791	0.009696585	0.029087305	5.00003E-06	24.08356667	1.82261E-05	0.000328201	0.000397046
2100 Jul	67.73010254	0.065194078	0.014634619	0.001000857	15.82133579	0.027889429	5.583599091	0.000999986	0.000999986	4.99995E-06	0.007034772	0.001443901	0.009693827	0.028771196	5.00003E-06	23.8266983	1.82434E-05	0.000325527	0.000391648
2100 Aug	67.13610077	0.064522706	0.014433077	0.001000837	15.69268703	0.028219867	5.540996075	0.000999986	0.000999986	4.99995E-06	0.006998384	0.001435642	0.009736385	0.028452789	5.00003E-06	23.58782196	1.79436E-05	0.000321999	0.000385046
2100 Sep	66.77587128	0.064460486	0.014284361	0.001000823	15.62279701	0.028496321	5.518419266	0.000999986	0.000999986	4.99995E-06	0.006985932	0.001429462	0.009792116	0.028229382	5.00003E-06	23.43361092	1.77555E-05	0.00031989	0.000380224
2100 Oct	66.66940308	0.06478636	0.014221382	0.001000817	15.60500526	0.02860827	5.515852451	0.000999986	0.000999986	4.99995E-06	0.006996202	0.001427295	0.009804719	0.028154567	5.00003E-06	23.38250732	1.77368E-05	0.000319076	0.000378526
2100 Nov	66.64543915	0.064859718	0.014207203	0.001000816	15.60100079	0.028633473	5.515274525	0.000999986	0.000999986	4.99995E-06	0.006998514	0.001426807	0.009807557	0.028137723	5.00003E-06	23.3710022	1.77326E-05	0.000318893	0.000378144
2100 Dec	66.64391327	0.06486436	0.014206306	0.001000816	15.60074711	0.028635068	5.515237808	0.000999986	0.000999986	4.99995E-06	0.006998661	0.001426776	0.009807737	0.028136658	5.00003E-06	23.37027359	1.77323E-05	0.000318882	0.00037812
2101 Jan	66.64496613	0.064867169	0.014206494	0.001000816	15.60108376	0.028635425	5.515366077	0.000999986	0.000999986	4.99995E-06	0.006998687	0.001426794	0.009807738	0.028137192	5.00003E-06	23.37071609	1.77323E-05	0.000318886	0.000378128
2101 Feb	66.64707184	0.06486889	0.014207154	0.001000816	15.60165405	0.028635191	5.515555382	0.000999986	0.000999986	4.99995E-06	0.006998658	0.001426831	0.009807659	0.028138397	5.00003E-06	23.37164307	1.77323E-05	0.000318896	0.000378151
2101 Mar	66.64822388	0.064869829	0.014207514	0.001000816	15.6019659	0.028635064	5.515659332	0.000999986	0.000999986	4.99995E-06	0.006998641	0.001426851	0.009807616	0.028139055	5.00003E-06	23.37214851	1.77324E-05	0.000318902	0.000378163
2101 Apr	66.65118408	0.064872235	0.014208442	0.001000816	15.60276794	0.028634734	5.515925407	0.000999986	0.000999986	4.99995E-06	0.006998599	0.001426904	0.009807505	0.028140748	5.00003E-06	23.37345314	1.77325E-05	0.000318916	0.000378194
2101 May	67.5714798	0.065043539	0.014544835	0.001000784	15.82504082	0.02829738	5.584568024	0.000999987	0.000999987	4.99996E-06	0.006985825	0.001442915	0.009754204	0.028681578	5.00003E-06	23.77803612	1.78697E-05	0.00032408	0.000388907

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jun	68.30210876	0.064430147	0.014874317	0.00100073	15.96661663	0.027724922	5.62059927	0.000999988	0.000999988	4.99996E-06	0.006976023	0.001455258	0.009687509	0.029129641	5.00003E-06	24.09872818	1.81217E-05	0.000329012	0.000398658
2101 Jul	68.08074188	0.064062648	0.01481912	0.001000725	15.90067101	0.027695669	5.597517967	0.000999988	0.000999988	4.99996E-06	0.006976055	0.001451578	0.009686755	0.029012455	5.00003E-06	24.00372124	1.81303E-05	0.000328028	0.000396654
2101 Aug	67.95035553	0.063916892	0.01477521	0.001000722	15.87213612	0.027765669	5.588189125	0.000999988	0.000999988	4.99996E-06	0.006968414	0.001449794	0.009694579	0.028943405	5.00003E-06	23.95137405	1.80671E-05	0.000327245	0.000395228
2101 Sep	67.50353241	0.064264797	0.014568045	0.001000705	15.78836346	0.028140621	5.565142155	0.000999988	0.000999988	4.99996E-06	0.00697082	0.00144172	0.009757231	0.028656198	5.00003E-06	23.75320625	1.78844E-05	0.000324392	0.000388941
2101 Oct	67.31362915	0.064822577	0.014457403	0.001000697	15.75611877	0.028335581	5.560225964	0.000999988	0.000999988	4.99996E-06	0.006988502	0.001437884	0.009779119	0.028523719	5.00003E-06	23.66239166	1.7851E-05	0.000322954	0.000385946
2101 Nov	67.04017639	0.065625727	0.014298089	0.001000685	15.70969296	0.028616298	5.553146839	0.000999989	0.000999989	4.99996E-06	0.007013964	0.001432361	0.009810635	0.028332967	5.00003E-06	23.53163147	1.7803E-05	0.000320883	0.000381635
2101 Dec	66.99008179	0.065772824	0.014268909	0.001000683	15.70118809	0.028667714	5.551850319	0.000999989	0.000999989	4.99996E-06	0.007018628	0.001431349	0.009816406	0.02829803	5.00003E-06	23.50768089	1.77942E-05	0.000320503	0.000380845
2102 Jan	66.99195862	0.065777816	0.014269246	0.001000683	15.70178795	0.028668353	5.552078247	0.000999989	0.000999989	4.99996E-06	0.007018674	0.00143138	0.009816408	0.028298983	5.00003E-06	23.50846863	1.77941E-05	0.00032051	0.00038086
2102 Feb	66.99575043	0.065780863	0.014270436	0.001000683	15.7028141	0.028667931	5.552419662	0.000999989	0.000999989	4.99996E-06	0.007018619	0.001431447	0.009816265	0.028301151	5.00003E-06	23.51013756	1.77942E-05	0.000320529	0.0003809
2102 Mar	66.99780273	0.065782525	0.014271081	0.001000683	15.70337105	0.028667698	5.552604675	0.000999989	0.000999989	4.99996E-06	0.007018589	0.001431484	0.009816187	0.028302332	5.00003E-06	23.51104546	1.77943E-05	0.000320539	0.000380922
2102 Apr	66.99897766	0.065783478	0.014271451	0.001000683	15.70368958	0.028667565	5.552710533	0.000999989	0.000999989	4.99996E-06	0.007018572	0.001431505	0.009816143	0.028303007	5.00003E-06	23.51156235	1.77943E-05	0.000320544	0.000380935
2102 May	67.00055695	0.065783955	0.014272014	0.001000683	15.70408249	0.028667072	5.552833557	0.000999989	0.000999989	4.99996E-06	0.007018548	0.001431533	0.009816057	0.028303932	5.00003E-06	23.51225853	1.77945E-05	0.000320553	0.000380953
2102 Jun	64.10758972	0.060583379	0.013602222	0.001000619	14.79042816	0.027849786	5.223124027	0.00099999	0.00099999	4.99996E-06	0.007058449	0.001379089	0.009831834	0.026722096	5.00002E-06	22.23867798	1.82369E-05	0.000309438	0.000355016
2102 Jul	62.59246063	0.057892986	0.01324293	0.001000586	14.32412338	0.027522644	5.057041168	0.00099999	0.00099999	4.99997E-06	0.007066801	0.001352941	0.009829515	0.025911558	5.00002E-06	21.58166313	1.8381E-05	0.00030317	0.0003415
2102 Aug	62.35166931	0.057649393	0.01315588	0.001000579	14.27699852	0.027699087	5.041671753	0.00099999	0.00099999	4.99997E-06	0.007048086	0.001349738	0.009852263	0.025781577	5.00002E-06	21.48640633	1.82251E-05	0.000301658	0.000338687
2102 Sep	62.15856934	0.057893861	0.013056006	0.001000572	14.24761295	0.027919998	5.034563541	0.000999991	0.000999991	4.99997E-06	0.007046598	0.00134628	0.009888151	0.025652857	5.00002E-06	21.4012661	1.81088E-05	0.000300316	0.000335712
2102 Oct	61.87548065	0.059289258	0.012850144	0.001000557	14.21573162	0.028356459	5.037258148	0.000999991	0.000999991	4.99997E-06	0.007083739	0.001340242	0.009933173	0.025436856	5.00002E-06	21.26068687	1.80294E-05	0.000297753	0.000330455
2102 Nov	61.85525894	0.059388924	0.01283544	0.001000556	14.2134552	0.028387632	5.037450314	0.000999991	0.000999991	4.99997E-06	0.007086391	0.001339811	0.009936389	0.025421428	5.00002E-06	21.25064659	1.80237E-05	0.00029757	0.000330079
2102 Dec	61.85422516	0.059394043	0.012834685	0.001000556	14.2133379	0.028389234	5.03745985	0.000999991	0.000999991	4.99997E-06	0.007086528	0.001339788	0.009936554	0.025420636	5.00002E-06	21.2501297	1.80234E-05	0.00029756	0.00033006
2103 Jan	61.85554123	0.059397168	0.012834948	0.001000556	14.21375084	0.028389607	5.037614822	0.000999991	0.000999991	4.99997E-06	0.007086549	0.001339811	0.009936549	0.02542132	5.00002E-06	21.25068855	1.80234E-05	0.000297565	0.000330071
2103 Feb	61.8577919	0.05939905	0.012835652	0.001000556	14.21436501	0.028389378	5.037818909	0.000999991	0.000999991	4.99997E-06	0.007086517	0.001339851	0.009936465	0.025422608	5.00002E-06	21.25168228	1.80234E-05	0.000297576	0.000330095
2103 Mar	61.85902786	0.059400074	0.012836035	0.001000556	14.21469879	0.028389251	5.037930489	0.000999991	0.000999991	4.99997E-06	0.0070865	0.001339872	0.009936419	0.025423313	5.00002E-06	21.25222397	1.80234E-05	0.000297582	0.000330108
2103 Apr	61.85972595	0.059400659	0.012836253	0.001000556	14.21489048	0.02838918	5.037993908	0.000999991	0.000999991	4.99997E-06	0.007086489	0.001339885	0.009936394	0.025423715	5.00002E-06	21.25253296	1.80235E-05	0.000297586	0.000330116
2103 May	62.76843643	0.05971108	0.013156721	0.001000538	14.44150734	0.028118031	5.109502792	0.000999991	0.000999991	4.99997E-06	0.007073188	0.001355809	0.009888348	0.025954714	5.00002E-06	21.65249252	1.81277E-05	0.000302513	0.000340456
2103 Jun	64.33947754	0.059312813	0.013788727	0.001000482	14.79054451	0.027275458	5.210438251	0.000999992	0.000999992	4.99997E-06	0.007049755	0.001382945	0.009774853	0.026896752	5.00002E-06	22.34382439	1.84807E-05	0.000312048	0.000359884
2103 Jul	63.68353271	0.058201704	0.013620542	0.001000471	14.60655117	0.027281826	5.148208618	0.000999992	0.000999992	4.99997E-06	0.007035241	0.001373534	0.009758662	0.026571643	5.00002E-06	22.07383728	1.84153E-05	0.000308681	0.000354121
2103 Aug	62.77705002	0.05682968	0.013349361	0.001000456	14.40029716	0.027690345	5.085603237	0.000999992	0.000999992	4.99997E-06	0.006968822	0.001364536	0.009724502	0.026168289	5.00002E-06	21.73269844	1.79832E-05	0.000302579	0.000345935
2103 Sep	62.49588776	0.057766765	0.013171557	0.001000446	14.36244106	0.028064001	5.081908226	0.000999993	0.000999993	4.99997E-06	0.00699026	0.001358807	0.00977361	0.02596348	5.00002E-06	21.5987072	1.78752E-05	0.000300339	0.000341092
2103 Oct	62.09270477	0.059699889	0.012882946	0.00100043	14.31432056	0.028662166	5.083960056	0.000999993	0.000999993	4.99998E-06	0.007043583	0.00135002	0.009839882	0.025653962	5.00002E-06	21.39743423	1.77737E-05	0.000296795	0.000333636
2103 Nov	61.97803116	0.060249723	0.012800856	0.001000426	14.30063438	0.0288323	5.084543705	0.000999993	0.000999993	4.99998E-06	0.007058749	0.00134752	0.009858732	0.025565928	5.00002E-06	21.34018707	1.77448E-05	0.000295787	0.000331516
2103 Dec	61.9765358	0.060256891	0.012799787	0.001000426	14.30045605	0.028834516	5.084550858	0.000999993	0.000999993	4.99998E-06	0.007058947	0.001347488	0.009858978	0.025564779	5.00002E-06	21.3394413	1.77444E-05	0.000295774	0.000331488
2104 Jan	61.9781723	0.060260721	0.012800119	0.001000426	14.30096626	0.02883495	5.084740639	0.000999993	0.000999993	4.99998E-06	0.007058976	0.001347515	0.009858975	0.025565624	5.00002E-06	21.34013367	1.77443E-05	0.000295781	0.000331502
2104 Feb	61.98101807	0.060263067	0.012801009	0.001000426	14.30173874	0.028834643	5.084997177	0.000999993	0.000999993	4.99998E-06	0.007058936	0.001347565	0.009858874	0.025567248	5.00002E-06	21.34138489	1.77444E-05	0.000295795	0.000331532
2104 Mar	61.98255157	0.060264334	0.012801489	0.001000426	14.30215454	0.028834479	5.085135937	0.000999993	0.000999993	4.99998E-06	0.007058914	0.001347592	0.009858818	0.025568126	5.00002E-06	21.342062	1.77445E-05	0.000295802	0.000331548
2104 Apr	61.98340988	0.060265038	0.012801757	0.001000426	14.30238819	0.028834386	5.085213184	0.000999993	0.000999993	4.99998E-06	0.007058902	0.001347607	0.009858787	0.025568616	5.00002E-06	21.34243774	1.77445E-05	0.000295806	0.000331557
2104 May	63.31801605	0.060681719	0.013276144	0.001000405	14.63251019	0.028413158	5.188447952	0.000999993	0.000999993	4.99998E-06	0.007040595	0.00137073	0.009791611	0.026345018	5.00002E-06	21.92815208	1.79116E-05	0.000303159	0.000346742
2104 Jun	64.53818512	0.06035307	0.013769344	0.001000373	14.90125942	0.027739331	5.265035152	0.000999994	0.000999994	4.99998E-06	0.007024382	0.0013914	0.009710295	0.027070016	5.00001E-06	22.4623909	1.82001E-05	0.000310704	0.000361757
2104 Jul	64.10691833	0.05961322	0.013659256	0.001000368	14.78038406	0.027744111	5.224086285	0.000999994	0.000999994	4.99998E-06	0.007014268	0.001385236	0.009699751	0.026856659	5.00001E-06	22.28514671	1.81548E-05	0.000308491	0.000357974
2104 Aug	63.78266144	0.059238508	0.013548971	0.001000363	14.71228027	0.027941583	5.202048302	0.000999994	0.000999994	4.99998E-06	0.006991436	0.001381054	0.009719308	0.026687959	5.00001E-06	22.15721512	1.79737E-05	0.000306471	0.000354423
2104 Sep	63.40666199	0.059615299	0.013363733	0.001000354	14.64977932	0.028325764	5.185445309	0.000999994	0.000999994	4.99998E-06	0.006989358	0.001374207	0.009786234	0.026438961	5.00001E-06	21.99080658	1.77715E-05	0.00030399	0.000348795
2104 Oct	63.07253265	0.06104888	0.013137013	0.001000345	14.60505772	0.028777761	5.184213161	0.000999994	0.000999994	4.99998E-06	0.007030308	0.001367045	0.009836757	0.026188515	5.00001E-06	21.82569885	1.76963E-05	0.000301171	0.000342864
2104 Nov	62.97609329	0.061462648	0.013071575	0.001000342	14.59215069	0.028908221	5.183857918	0.000999994	0.000999994	4.99998E-06	0.007042127	0.001364977	0.009851338	0.02611623	5.00001E-06	21.77804565	1.76746E-05	0.000300358	0.000341152
2104 Dec	62.97489166	0.061467778	0.013070764	0.001000342	14.59199047	0.02890984	5.183853149	0.000999994	0.000999994	4.99998E-06	0.007042273	0.001364952	0.009851519	0.026115332	5.00001E-06	21.77745438	1.76744E-05	0.000300347	0.000341131
2105 Jan	62.97620392	0.061470915	0.013071025	0.001000342	14.5923996	0.028910199	5.184005737	0.000999994	0.000999994	4.99998E-06	0.007042299	0.001364973	0.009851518	0.026116006	5.00001E-06	21.77800751	1.76743E-05	0.000300352	0.000341141
2105 Feb	62.97851944	0.061472811	0.013071751	0.001000342	14.59302711	0.028909944	5.184215069	0.000999994	0.000999994	4.99998E-06	0.007042266	0.001365014	0.009851433	0.026117332	5.00001E-06	21.77902603	1.76744E-05	0.000300364	0.000341166
2105 Mar	62.97978592	0.061473846	0.013072147	0.001000342	14.59337044	0.028909804	5.184329033	0.000999994	0.000999994	4.99998E-06	0.007042249	0.001365037	0.009851389	0.026118053	5.00001E-06	21.77958298	1.76744E-05	0.00030037	0.000341179
2105 Apr	62.98050308	0.061474435	0.013072373	0.001000342	14.59356594	0.028909726	5.184393883	0.000999994	0.000999994	4.99998E-06	0.007042238	0.00136505	0.009851362	0.026118465	5.00001E-06	21.7798996	1.76745E-05	0.000300374	0.000341187
2105 May	63.99980164	0.061758772	0.013437848	0.001000329	14.84401512	0.028573291	5.262406349	0.000999995	0.000999995	4.99998E-06	0.00702837	0.001382703	0.009798441	0.02671258	5.00001E-06	22.22724533	1.78095E-05	0.000306024	0.000352849
2105 Jun	64.96505737	0.06167753	0.013813466	0.001000311	15.06480789	0.028111691	5.327500343	0.000999995	0.000999995	4.99998E-06	0.007015532	0.001399196	0.009738215	0.027282862	5.00001E-06	22.65027428	1.80047E-05	0.00031178	0.000364457
2105 Jul	64.58232117	0.061021958	0.013711453	0.001000307	14.96559715	0.028182061	5.295549393	0.000999995	0.000999995	4.99998E-06	0.006997118	0.001394713	0.009719915	0.027107747	5.00001E-06	22.50052261	1.79032E-05	0.000309504	0.000361194
2105 Aug	63.86175919	0.0601211	0.013474504	0.001000298	14.80950451	0.028579373	5.245129585	0.000999995	0.000999995	4.99998E-06	0.006947742	0.001385625	0.009751269	0.02674081	5.00001E-06	22.21725464	1.75268E-05	0.000305027	0.000353575
2105 Sep	63.27376556	0.060855567	0.013178813	0.001000287	14.71041679	0.029171648	5.219919682	0.000999995	0.000999995	4.99998E-06	0.006953185	0.001374623	0.009852741	0.026346594	5.00001E-06	21.95325279	1.72459E-05	0.00030112	0.000344696
2105 Oct	62.9539032	0.06221031	0.012964264	0.00100028	14.66554928	0.029586859	5.217823029	0.000999995	0.000999995	4.99998E-06	0.006993761	0.001367681	0.009899887	0.026106659	5.00001E-06	21.7944622	1.7187E-05	0.000298467	0.000339064
2105 Nov	62.82430267	0.062759243	0.012877332	0.001000277	14.64736938	0.029755101	5.216973782	0.000999995	0.000999995	4.99998E-06	0.007010202	0.001364868	0.009918991	0.026009439	5.00001E-06	21.73012352	1.71631E-05	0.000297392	0.000336782
2105 Dec	62.82266235	0.062766194	0.01287623	0.001000277	14.64713955	0.029757231	5.216963291	0.000999995	0.000999995	4.99998E-06	0.007010411	0.001364833	0.009919232	0.026008209	5.00001E-06	21.72930717	1.71628E-05	0.000297379	0.000336753
2106 Jan	62.82427979	0.062769964	0.012876566	0.001000277	14.64763927	0.029757613	5.217148304	0.000999995	0.000999995	4.99998E-06	0.007010444	0.001364859	0.009919226	0.026009046	5.00001E-06	21.72999001	1.71628E-05	0.000297385	0.000336767
2106 Feb	62.82713318	0.062772244	0.012877464	0.001000277	14.64840889	0.029757271	5.217403412	0.000999995	0.000999995	4.99998E-06	0.007010404	0.0013649	0.00991912	0.026010675	5.00001E-06	21.73124504	1.71629E-05	0.000297399	0.000336797
2106 Mar	62.82868958	0.062773496	0.012877955	0.001000277	14.64882851	0.029757086	5.217542648	0.000999995	0.000999995	4.99998E-06	0.007010384	0.001364937	0.009919062	0.026011566	5.00001E-06	21.73192978	1.7163E-05	0.000297407	0.000336813
2106 Apr	62.82957458	0.062774204	0.012878233	0.001000277	14.64906788	0.029756978	5.21762228	0.000999995	0.000999995	4.99998E-06	0.007010371	0.001364953	0.00991903	0.02601207	5.00001E-06	21.73231888	1.7163E-05	0.000297411	0.000336823
2106 May	63.19822311	0.062858932	0.013012305	0.001000273	14.73839474	0.029624522	5.245232105	0.000999996	0.000999996	4.99998E-06	0.007005816	0.001371303	0.009899081	0.026227189	5.00001E-06	21.89385605	1.72185E-05	0.000299483	0.000341076
2106 Jun	63.86407471	0.061221901	0.0134073	0.001000245	14.81379795	0.028635725	5.249387264	0.000999996	0.000999996	4.99999E-06	0.00700162	0.001381495	0.009809788	0.026654052	5.00001E-06	22.18132782	1.76807E-05	0.000305337	0.000351672
2106 Jul	63.10595703	0.059859596	0.013223966	0.001000238	14.58991051	0.028548885	5.171400547	0.000999996	0.000999996	4.99999E-06	0.006993841	0.001369643	0.009797065	0.026266696	5.00001E-06	21.86204338	1.76782E-05	0.000301827	0.000345051
2106 Aug	62.3318634	0.058782835	0.012979461	0.001000231	14.41945839	0.028949203	5.117327213	0.000999996	0.000999996	4.99999E-06	0.006937385	0.001360715	0.009808401	0.025891924	5.00001E-06	21.56339836	1.72784E-05	0.000296877	0.000337323
2106 Sep	61.80134201	0.059204914	0.012722977	0.001000223	14.33134556	0.029490165	5.092452049	0.000999996	0.000999996	4.99999E-06	0.006929189	0.001351013	0.009910208	0.025539497	5.00001E-06	21.32967377	1.69732E-05	0.000293476	0.000329369
2106 Oct	61.65425491	0.059936095	0.012617023	0.00100022	14.31308079	0.029702952	5.093104362	0.000999996	0.000999996	4.99999E-06	0.00695074	0.001347706	0.009934078	0.025425082	5.00001E-06	21.25518036	1.69462E-05	0.000292193	0.000326634
2106 Nov	61.65100479	0.05995224	0.012614683	0.001000219	14.31267738	0.029707652	5.093118668	0.000999996	0.000999996	4.99999E-06	0.006951216	0.001347633	0.009934604	0.025422556	5.00001E-06	21.25353622	1.69456E-05	0.000292165	0.000326574
2106 Dec	61.65024567	0.059956025	0.012614135	0.001000219	14.31258202	0.029708752	5.093122005	0.000999996	0.000999996	4.99999E-06	0.006951327	0.001347616	0.009934728	0.025421964	5.00001E-06	21.25314903	1.69454E-05	0.000292158	0.00032656
2107 Jan	61.65123367	0.059958335	0.012614339	0.001000219	14.31288624	0.02970898	5.093234539	0.000999996	0.000999996	4.99999E-06	0.006951349	0.001347632	0.009934724	0.025422474	5.00001E-06	21.25356674	1.69454E-05	0.000292162	0.000326568
2107 Feb	61.65291977	0.059959725	0.012614868	0.001000219	14.31334209	0.02970878	5.093386173	0.000999996	0.000999996	4.99999E-06	0.006951328	0.001347662	0.009934663	0.025423437	5.00001E-06	21.25430679	1.69455E-05	0.000292171	0.000326586
2107 Mar	61.65384293	0.059960488	0.012615157	0.001000219	14.313591	0.029708674	5.093468666	0.000999996	0.000999996	4.99999E-06	0.006951316	0.001347678	0.009934628	0.025423961	5.00001E-06	21.25471306	1.69455E-05	0.000292175	0.000326596
2107 Apr	61.65436554	0.059960917	0.012615321	0.001000219	14.31373215	0.029708611	5.093515873	0.000999996	0.000999996	4.99999E-06	0.00695131	0.001347687	0.009934609	0.025424261	5.00001E-06	21.25494194	1.69455E-05	0.000292178	0.000326601
2107 May	62.2521553	0.06015183	0.012829271	0.001000215	14.45964336	0.029503686	5.139044285	0.000999996	0.000999996	4.99999E-06	0.006945476	0.001357922	0.00990327	0.025771029	5.00001E-06	21.5160923	1.70364E-05	0.00029551	0.000333428
2107 Jun	63.48879623	0.060020626	0.013318063	0.0010002	14.73449898	0.028845085	5.219095707	0.000999997	0.000999997	4.99999E-06	0.00693651	0.001378604	0.009822114	0.026498597	5.00001E-06	22.0540123	1.73442E-05	0.000303062	0.000348428
2107 Jul	62.97224808	0.059118386	0.013183476	0.001000196	14.5975008	0.028913973	5.174530506	0.000999997	0.000999997	4.99999E-06	0.006914251	0.001372356	0.009796912	0.026260557	5.00001E-06	21.85028076	1.72282E-05	0.000300071	0.000344064
2107 Aug	62.72505188	0.058758892	0.013107814	0.001000194	14.54158306	0.029028842	5.156995773	0.000999997	0.000999997	4.99999E-06	0.006896863	0.001369615	0.009795208	0.026144324	5.00001E-06	21.75543404	1.71097E-05	0.000298476	0.0003417
2107 Sep	62.56015015	0.059303287	0.013005232	0.001000192	14.51764202	0.029233411	5.154112816	0.000999997	0.000999997	4.99999E-06	0.006911092	0.001366158	0.00982309	0.026023546	5.00001E-06	21.67595863	1.7059E-05	0.000297201	0.000338887
2107 Oct	62.37117386	0.060178977	0.012873455	0.001000189	14.49265957	0.02949295	5.153881073	0.000999997	0.000999997	4.99999E-06	0.006937248	0.001361941	0.009853164	0.025878301	5.00001E-06	21.58087921	1.70252E-05	0.000295601	0.000335449
2107 Nov	62.29225922	0.060544677	0.012818423	0.001000188	14.48222637	0.029601337	5.153783798	0.000999997	0.000999997	4.99999E-06	0.006948171	0.00136018	0.009865723	0.025817642	5.00001E-06	21.54117203	1.7011E-05	0.000294932	0.000334012
2107 Dec	62.29114151	0.060549859	0.012817643	0.001000188	14.48207951	0.029602874	5.153782368	0.000999997	0.000999997	4.99999E-06	0.006948325	0.001360155	0.009865901	0.025816783	5.00001E-06	21.54060936	1.70108E-05	0.000294923	0.000333992
2108 Jan	62.29249191	0.060553052	0.012817919	0.001000188	14.48249531	0.029603194	5.153936863	0.000999997	0.000999997	4.99999E-06	0.006948356	0.001360177	0.009865899	0.025817474	5.00001E-06	21.54117584	1.70108E-05	0.000294928	0.000334003
2108 Feb	62.29484177	0.060554989	0.012818657	0.001000188	14.48313046	0.029602919	5.154148102	0.000999997	0.000999997	4.99999E-06	0.006948326	0.001360219	0.009865813	0.025818817	5.00001E-06	21.54220963	1.70109E-05	0.00029494	0.000334028
2108 Mar	62.2961235	0.060556043	0.012819057	0.001000188	14.48347569	0.029602768	5.154262543	0.000999997	0.000999997	4.99999E-06	0.006948309	0.001360241	0.009865767	0.025819546	5.00001E-06	21.54277039	1.70109E-05	0.000294946	0.000334042
2108 Apr	62.3018074	0.060560726	0.01282084	0.001000187	14.48501205	0.029602103	5.154772758	0.000999997	0.000999997	4.99999E-06	0.006948237	0.001360341	0.009865561	0.025822787	5.00001E-06	21.54526711	1.70111E-05	0.000294974	0.000334102

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 May	62.39954376	0.060619347	0.012853396	0.001000187	14.51028919	0.029580954	5.162949562	0.000999997	0.000999997	4.99999E-06	0.006947109	0.001362037	0.009861392	0.025878882	5.00001E-06	21.58807182	1.70196E-05	0.000295485	0.000335171
2108 Jun	61.722332	0.058189575	0.012804709	0.001000172	14.23198795	0.028830506	5.051802158	0.000999997	0.000999997	4.99999E-06	0.006966335	0.001348279	0.009831919	0.025526596	5.00001E-06	21.28202438	1.74164E-05	0.000294511	0.000331061
2108 Jul	61.28527069	0.057383828	0.012704344	0.00100017	14.09553146	0.028719291	5.002923012	0.000999997	0.000999997	4.99999E-06	0.006969398	0.001340678	0.009830202	0.025293062	5.00001E-06	21.09207916	1.7468E-05	0.00029275	0.000327216
2108 Aug	61.16100311	0.057246607	0.012660575	0.001000169	14.07068539	0.02880569	4.994725884	0.000999997	0.000999997	4.99999E-06	0.006959718	0.001339036	0.009841132	0.025226608	5.00001E-06	21.04300499	1.73898E-05	0.000291977	0.000325789
2108 Sep	61.03522491	0.057537574	0.012587858	0.001000167	14.05301189	0.028964372	4.991577148	0.000999997	0.000999997	4.99999E-06	0.006963811	0.001336572	0.009866021	0.025137402	5.00001E-06	20.98501396	1.73251E-05	0.000291053	0.0003237
2108 Oct	60.70248413	0.059374709	0.012334232	0.001000161	14.01781464	0.029500367	4.996538162	0.000999997	0.000999997	4.99999E-06	0.007015158	0.001328999	0.00992565	0.024872093	5.00001E-06	20.81504822	1.72474E-05	0.00028801	0.000317225
2108 Nov	60.63557434	0.059744135	0.012283232	0.00100016	14.01073742	0.029608149	4.997535706	0.000999997	0.000999997	4.99999E-06	0.007025484	0.001327476	0.009937641	0.024818741	5.00001E-06	20.78086853	1.72318E-05	0.000287398	0.000315923
2108 Dec	60.63461685	0.05974941	0.012282503	0.00100016	14.01063633	0.029609688	4.997550011	0.000999997	0.000999997	4.99999E-06	0.007025632	0.001327454	0.009937814	0.024817981	5.00001E-06	20.78038025	1.72315E-05	0.000287389	0.000315905
2109 Jan	60.63605499	0.059752647	0.012282807	0.00100016	14.01107883	0.02961001	4.997713089	0.000999997	0.000999997	4.99999E-06	0.007025658	0.001327478	0.009937807	0.024818726	5.00001E-06	20.7809906	1.72315E-05	0.000287395	0.000315917
2109 Feb	60.63844299	0.059754599	0.012283557	0.00100016	14.01172352	0.029609734	4.997927666	0.000999997	0.000999997	4.99999E-06	0.007025626	0.00132752	0.00993772	0.024820089	5.00001E-06	20.78203773	1.72316E-05	0.000287406	0.000315942
2109 Mar	60.6397438	0.059755657	0.012283965	0.00100016	14.01207542	0.029609585	4.998044014	0.000999997	0.000999997	4.99999E-06	0.007025608	0.001327543	0.009937673	0.024820829	5.00001E-06	20.78260803	1.72316E-05	0.000287413	0.000315956
2109 Apr	60.64100647	0.059756689	0.012284362	0.00100016	14.01241684	0.02960944	4.998157501	0.000999997	0.000999997	4.99999E-06	0.007025592	0.001327565	0.009937626	0.024821552	5.00001E-06	20.78316498	1.72317E-05	0.000287419	0.000315969
2109 May	61.58164978	0.060055546	0.012619807	0.001000155	14.24385548	0.029302267	5.070440769	0.000999997	0.000999997	4.99999E-06	0.00701434	0.001343761	0.009889985	0.025367636	5.00001E-06	21.19503403	1.73601E-05	0.00029263	0.000326679
2109 Jun	62.90858841	0.060139455	0.013122028	0.001000145	14.55391121	0.028725784	5.163656235	0.000999998	0.000999998	4.99999E-06	0.006999489	0.001366336	0.009813103	0.026144722	5.00001E-06	21.77499771	1.76111E-05	0.00030039	0.00034233
2109 Jul	62.32062912	0.059091728	0.012968426	0.001000142	14.40072346	0.02882636	5.114233971	0.000999998	0.000999998	4.99999E-06	0.006969891	0.001359588	0.009781807	0.025879165	5.00001E-06	21.54608536	1.74545E-05	0.000296888	0.000337408
2109 Aug	61.74831009	0.058133733	0.012805768	0.00100014	14.266716	0.029050466	5.073219299	0.000999998	0.000999998	4.99999E-06	0.006927189	0.001354123	0.009751298	0.025631841	5.00001E-06	21.33226013	1.7196E-05	0.00029361	0.000332481
2109 Sep	61.50209808	0.058894932	0.012653749	0.001000137	14.23239803	0.029366996	5.068684578	0.000999998	0.000999998	4.99999E-06	0.006944467	0.001348993	0.009798106	0.025450943	5.00001E-06	21.21469879	1.71001E-05	0.000291184	0.000328242
2109 Oct	61.07915878	0.061070386	0.012343137	0.001000131	14.18238354	0.030001432	5.071578979	0.000999998	0.000999998	4.99999E-06	0.007007595	0.001339294	0.009873261	0.025116097	5.00001E-06	20.99901199	1.70149E-05	0.000287484	0.000320197
2109 Nov	61.0353508	0.061295722	0.012310963	0.001000131	14.17720222	0.030067146	5.071878433	0.000999998	0.000999998	4.99999E-06	0.007014134	0.001338289	0.009881045	0.025081411	5.00001E-06	20.97667122	1.70061E-05	0.0002871	0.000319364
2109 Dec	61.03444672	0.061300352	0.012310302	0.001000131	14.17709637	0.030068496	5.071885109	0.000999998	0.000999998	4.99999E-06	0.007014268	0.001338269	0.009881205	0.025080699	5.00001E-06	20.97621155	1.70059E-05	0.000287093	0.000319346
2110 Jan	61.03572845	0.061303202	0.012310577	0.001000131	14.17748833	0.030068764	5.072028637	0.000999998	0.000999998	4.99999E-06	0.007014293	0.001338289	0.009881202	0.025081361	5.00001E-06	20.97675323	1.70059E-05	0.000287098	0.000319357
2110 Feb	61.03787231	0.061304919	0.012311251	0.001000131	14.1780653	0.030068504	5.072220325	0.000999998	0.000999998	4.99999E-06	0.007014264	0.001338327	0.009881126	0.025082583	5.00001E-06	20.97769547	1.7006E-05	0.000287108	0.00031938
2110 Mar	61.03904724	0.061305858	0.012311621	0.001000131	14.17838097	0.030068362	5.072324753	0.000999998	0.000999998	4.99999E-06	0.007014249	0.001338348	0.009881084	0.025083251	5.00001E-06	20.97820854	1.7006E-05	0.000287114	0.000319392
2110 Apr	61.039711	0.061306398	0.012311831	0.001000131	14.17856121	0.030068282	5.072384357	0.000999998	0.000999998	4.99999E-06	0.00701424	0.001338359	0.009881061	0.025083631	5.00001E-06	20.97850037	1.7006E-05	0.000287117	0.0003194
2110 May	61.3354187	0.061385144	0.01241851	0.001000129	14.25059032	0.029965421	5.094645023	0.000999998	0.000999998	4.99999E-06	0.007010772	0.00134341	0.009866436	0.025255002	5.00001E-06	21.1077652	1.70494E-05	0.000288782	0.000322778
2110 Jun	62.76839066	0.060532622	0.013041146	0.001000116	14.53966331	0.028944448	5.170183659	0.000999998	0.000999998	4.99999E-06	0.006997818	0.001366745	0.009764212	0.026107024	5E-06	21.72949409	1.75143E-05	0.000298381	0.000341083
2110 Jul	62.19685364	0.059484113	0.012902299	0.001000114	14.37437725	0.028907213	5.113147259	0.000999998	0.000999998	4.99999E-06	0.006986749	0.001358288	0.009750636	0.025822168	5E-06	21.49261093	1.74821E-05	0.000295603	0.000336154
2110 Aug	60.80220032	0.057480395	0.012465143	0.001000107	14.06756592	0.029629497	5.015336514	0.000999998	0.000999998	4.99999E-06	0.006881535	0.001342336	0.009771647	0.025149409	5E-06	20.95614624	1.67487E-05	0.000286696	0.000322278
2110 Sep	60.28884888	0.058986478	0.012151059	0.001000102	13.99651718	0.030292599	5.004727364	0.000999998	0.000999998	4.99999E-06	0.006913296	0.001331535	0.009877712	0.024769494	5E-06	20.71147919	1.65304E-05	0.000282876	0.000313383
2110 Oct	59.88724518	0.061320387	0.011839177	0.001000098	13.95305538	0.03093404	5.01062727	0.000999998	0.000999998	4.99999E-06	0.006982498	0.001321873	0.009955008	0.024439363	5E-06	20.5016346	1.64637E-05	0.000279261	0.000305385
2110 Nov	59.80229568	0.06181404	0.011773209	0.001000097	13.94386292	0.031069711	5.011874676	0.000999998	0.000999998	4.99999E-06	0.006997135	0.001319829	0.009971357	0.024369538	5E-06	20.45724869	1.64496E-05	0.000278497	0.000303693
2110 Dec	59.80102539	0.061821438	0.01177222	0.001000097	13.94372559	0.031071745	5.011893749	0.000999998	0.000999998	4.99999E-06	0.006997354	0.001319798	0.009971603	0.024368489	5E-06	20.45658493	1.64494E-05	0.000278485	0.000303668
2111 Jan	59.80280304	0.061825179	0.01177262	0.001000097	13.94425869	0.031072032	5.012087822	0.000999998	0.000999998	4.99999E-06	0.006997388	0.001319827	0.009971593	0.024369413	5E-06	20.45733452	1.64494E-05	0.000278493	0.000303683
2111 Feb	59.80567169	0.061827429	0.011773529	0.001000097	13.94503021	0.031071657	5.01234293	0.000999998	0.000999998	4.99999E-06	0.006997351	0.001319878	0.009971489	0.02437105	5E-06	20.45859337	1.64495E-05	0.000278507	0.000303714
2111 Mar	59.80724335	0.061828658	0.011774027	0.001000097	13.94545174	0.031071449	5.012482643	0.000999998	0.000999998	4.99999E-06	0.00699733	0.001319905	0.009971431	0.024371948	5E-06	20.45928383	1.64496E-05	0.000278515	0.000303731
2111 Apr	59.80814362	0.061829362	0.01177431	0.001000097	13.94569206	0.031071333	5.012561798	0.000999998	0.000999998	4.99999E-06	0.006997318	0.001319921	0.009971399	0.024372458	5E-06	20.45967674	1.64496E-05	0.00027852	0.00030374
2111 May	60.45812225	0.061984044	0.012010819	0.001000095	14.10256672	0.030832816	5.060781956	0.000999998	0.000999998	4.99999E-06	0.006990372	0.001330967	0.009938617	0.024749091	5E-06	20.74338722	1.6553E-05	0.000282215	0.000311202
2111 Jun	62.33795929	0.061740525	0.012754531	0.001000086	14.52199936	0.029844724	5.181853771	0.000999999	0.000999999	4.99999E-06	0.006973211	0.001362226	0.009826045	0.025849963	5E-06	21.56085205	1.70002E-05	0.000293775	0.000333869
2111 Jul	62.0561676	0.061200894	0.012689105	0.001000085	14.43748856	0.029801015	5.152130604	0.000999999	0.000999999	4.99999E-06	0.006970065	0.001357813	0.009820538	0.0257063	5E-06	21.44225311	1.70036E-05	0.000292504	0.000331457
2111 Aug	61.1993103	0.059957199	0.0124199	0.001000082	14.24872494	0.030243205	5.090616226	0.000999999	0.000999999	5E-06	0.006905679	0.001347535	0.009846415	0.025283672	5E-06	21.10991287	1.65519E-05	0.00028718	0.000322747
2111 Sep	60.82780457	0.060029183	0.012252891	0.00100008	14.18440914	0.030596351	5.069867134	0.000999999	0.000999999	5E-06	0.006891894	0.001340768	0.00992377	0.025039135	5E-06	20.94851685	1.63198E-05	0.000284979	0.000317303
2111 Oct	60.56472397	0.061445374	0.012057135	0.001000078	14.15244198	0.03098511	5.071760178	0.000999999	0.000999999	5E-06	0.006935297	0.00133454	0.009970361	0.024827555	5E-06	20.81225586	1.62842E-05	0.000282686	0.000312248
2111 Nov	60.38684464	0.062402911	0.011924777	0.001000076	14.1308279	0.03124796	5.073040009	0.000999999	0.000999999	5E-06	0.006964643	0.001330329	0.010001863	0.0246845	5E-06	20.7201252	1.62601E-05	0.000281135	0.00030883
2111 Dec	60.38146973	0.06243185	0.011920778	0.001000076	14.13017464	0.031255901	5.073078632	0.000999999	0.000999999	5E-06	0.006965529	0.001330201	0.010002815	0.024680177	5E-06	20.71734238	1.62594E-05	0.000281088	0.000308727
2112 Jan	60.38351059	0.062436178	0.011921236	0.001000076	14.1307869	0.031256221	5.073301792	0.000999999	0.000999999	5E-06	0.006965571	0.001330234	0.010002802	0.024681238	5E-06	20.7182045	1.62594E-05	0.000281097	0.000308744
2112 Feb	60.38689423	0.06243882	0.011922308	0.001000076	14.13169289	0.031255767	5.073601246	0.000999999	0.000999999	5E-06	0.006965528	0.001330294	0.010002676	0.024683168	5E-06	20.71968651	1.62596E-05	0.000281114	0.00030878
2112 Mar	60.38872528	0.062440254	0.011922889	0.001000076	14.13218498	0.031255525	5.073763847	0.000999999	0.000999999	5E-06	0.006965505	0.001330326	0.010002608	0.024684213	5E-06	20.72049141	1.62596E-05	0.000281123	0.0003088
2112 Apr	60.38975143	0.062441055	0.011923214	0.001000076	14.13245869	0.031255387	5.073854923	0.000999999	0.000999999	5E-06	0.006965491	0.001330344	0.010002571	0.024684798	5E-06	20.72093964	1.62597E-05	0.000281128	0.000308811
2112 May	61.35304642	0.062654831	0.012275776	0.001000074	14.36343861	0.030888928	5.144726276	0.000999999	0.000999999	5E-06	0.006956031	0.001346697	0.009952016	0.025243783	5E-06	21.14116669	1.64222E-05	0.000286627	0.000319921
2112 Jun	63.17746735	0.061661724	0.013065492	0.001000065	14.73030758	0.029580796	5.241443157	0.000999999	0.000999999	5E-06	0.006945327	0.001376273	0.009817688	0.026326854	5E-06	21.9305687	1.70393E-05	0.000298816	0.000343211
2112 Jul	62.41514587	0.060240757	0.012889075	0.001000063	14.49668884	0.029422453	5.158478737	0.000999999	0.000999999	5E-06	0.006944714	0.001363594	0.009809634	0.025928084	5E-06	21.60380173	1.70934E-05	0.000295576	0.000336573
2112 Aug	62.22265244	0.060040891	0.012820038	0.001000063	14.45807266	0.029555868	5.145252705	0.000999999	0.000999999	5E-06	0.006930803	0.001360773	0.009833032	0.025819469	5E-06	21.5259552	1.69748E-05	0.000294449	0.000334254
2112 Sep	61.99971771	0.060213264	0.012713142	0.001000062	14.42032337	0.029777072	5.134459496	0.000999999	0.000999999	5E-06	0.006927917	0.001356652	0.00987567	0.025671028	5E-06	21.42738152	1.68513E-05	0.000293039	0.000330922
2112 Oct	61.87276077	0.060821187	0.012623464	0.001000061	14.40380955	0.029954067	5.134523869	0.000999999	0.000999999	5E-06	0.006946196	0.001353785	0.0098963	0.025572538	5E-06	21.36311722	1.68298E-05	0.000291957	0.000328586
2112 Nov	61.84779739	0.06094072	0.01260583	0.001000061	14.40056229	0.029988868	5.134536266	0.000999999	0.000999999	5E-06	0.00694979	0.001353221	0.009900357	0.025553172	5E-06	21.35048103	1.68256E-05	0.000291744	0.000328127
2112 Dec	61.84687424	0.06094515	0.012605177	0.001000061	14.40044212	0.029990157	5.134536743	0.000999999	0.000999999	5E-06	0.006949923	0.0013532	0.009900507	0.025552455	5E-06	21.35001373	1.68254E-05	0.000291736	0.00032811
2113 Jan	61.84804535	0.060947858	0.012605423	0.001000061	14.40080166	0.029990412	5.134670258	0.000999999	0.000999999	5E-06	0.006949949	0.001353219	0.009900503	0.025553059	5E-06	21.35050392	1.68254E-05	0.000291741	0.00032812
2113 Feb	61.85005951	0.060949497	0.012606055	0.001000061	14.4013443	0.02999017	5.134850025	0.000999999	0.000999999	5E-06	0.006949923	0.001353254	0.00990043	0.025554206	5E-06	21.35138893	1.68255E-05	0.000291751	0.000328141
2113 Mar	61.85115433	0.060950387	0.0126064	0.001000061	14.40163994	0.029990036	5.134948254	0.000999999	0.000999999	5E-06	0.006949909	0.001353274	0.00990039	0.025554832	5E-06	21.35186958	1.68256E-05	0.000291756	0.000328152
2113 Apr	61.85177612	0.060950898	0.012606596	0.001000061	14.40180874	0.02998996	5.135004044	0.000999999	0.000999999	5E-06	0.006949901	0.001353284	0.009900367	0.025555188	5E-06	21.35214424	1.68256E-05	0.000291759	0.000328159
2113 May	62.54115677	0.061148342	0.012855271	0.001000059	14.56909657	0.029745085	5.186859608	0.000999999	0.000999999	5E-06	0.006943161	0.001365033	0.009864812	0.025954681	5E-06	21.65303612	1.6934E-05	0.000295639	0.000336049
2113 Jun	63.91540909	0.060935713	0.01340417	0.001000055	14.87169075	0.028988268	5.273906231	0.000999999	0.000999999	5E-06	0.006933138	0.001387852	0.009776541	0.026761904	5E-06	22.25000191	1.72866E-05	0.000304142	0.000352765
2113 Jul	63.4467659	0.060114253	0.01328259	0.001000054	14.74680233	0.029045831	5.233073711	0.000999999	0.000999999	5E-06	0.00691353	0.001382093	0.009754938	0.026544534	5E-06	22.06453323	1.71854E-05	0.000301459	0.000348792
2113 Aug	63.11950684	0.059642188	0.013182119	0.001000053	14.67264462	0.02919706	5.209593296	0.000999999	0.000999999	5E-06	0.006890968	0.001378351	0.009755211	0.026388401	5E-06	21.93821716	1.70301E-05	0.000299377	0.000345621
2113 Sep	62.82000351	0.060238816	0.013018956	0.001000052	14.62424564	0.029520268	5.199178219	0.000999999	0.000999999	5E-06	0.006902677	0.001372415	0.009807871	0.026179407	5E-06	21.79953957	1.6909E-05	0.000297295	0.000340868
2113 Oct	62.33330917	0.062405467	0.012686506	0.00100005	14.5569067	0.030162027	5.196724415	0.000999999	0.000999999	5E-06	0.006968899	0.001361536	0.009884242	0.025807139	5E-06	21.55495834	1.68299E-05	0.000293262	0.000332126
2113 Nov	62.17068863	0.063129388	0.012575427	0.001000049	14.53440857	0.030376453	5.195905209	0.000999999	0.000999999	5E-06	0.006991025	0.001357901	0.009909759	0.025682755	5E-06	21.47323608	1.68034E-05	0.000291914	0.000329205
2113 Dec	62.1689949	0.063136935	0.012574269	0.001000049	14.53417397	0.03037869	5.195896149	0.000999999	0.000999999	5E-06	0.006991255	0.001357863	0.009910026	0.025681458	5E-06	21.47238541	1.68031E-05	0.0002919	0.000329174
2114 Jan	62.17060852	0.063140564	0.012574615	0.001000049	14.53466606	0.03037902	5.196077824	0.000999999	0.000999999	5E-06	0.006991289	0.001357889	0.00991002	0.025682293	5E-06	21.47306442	1.68032E-05	0.000291907	0.000329188
2114 Feb	62.17339706	0.063142769	0.012575496	0.001000049	14.5354166	0.030378668	5.196325779	0.000999999	0.000999999	5E-06	0.006991252	0.001357938	0.009909918	0.025683885	5E-06	21.47429085	1.68033E-05	0.00029192	0.000329218
2114 Mar	62.17491913	0.063143969	0.012575977	0.001000049	14.53582573	0.030378474	5.196461678	0.000999999	0.000999999	5E-06	0.006991232	0.001357965	0.009909862	0.025684752	5E-06	21.47495651	1.68033E-05	0.000291928	0.000329234
2114 Apr	62.17578888	0.063144661	0.01257625	0.001000049	14.53605843	0.030378364	5.196538925	0.000999999	0.000999999	5E-06	0.00699122	0.00135798	0.00990983	0.025685247	5E-06	21.47533989	1.68034E-05	0.000291932	0.000329243
2114 May	63.15510559	0.063351125	0.012934702	0.001000047	14.77174759	0.030012758	5.268895149	0.000999999	0.000999999	5E-06	0.006980078	0.0013747	0.009858399	0.026254799	5E-06	21.90342522	1.696E-05	0.000297502	0.000340545
2114 Jun	64.24778748	0.063124664	0.013374018	0.001000044	15.01240253	0.029410388	5.337687492	0.000999999	0.000999999	5E-06	0.006969163	0.001392955	0.009788546	0.02689882	5E-06	22.3794384	1.72301E-05	0.000304276	0.000353882
2114 Jul	63.94267654	0.062570773	0.013297617	0.001000044	14.92794895	0.029421648	5.309334278	0.000999999	0.000999999	5E-06	0.006959098	0.001388891	0.009777144	0.026753174	5E-06	22.25638199	1.7185E-05	0.000302646	0.000351289
2114 Aug	63.78688812	0.062355053	0.013248369	0.001000044	14.8932476	0.02949911	5.298022747	0.000999999	0.000999999	5E-06	0.006948364	0.001386955	0.009782222	0.026675172	5E-06	22.19535637	1.71076E-05	0.00030169	0.000349692
2114 Sep	63.37893677	0.062950373	0.013040216	0.001000043	14.82328033	0.02990141	5.280771732	0.000999999	0.000999999	5E-06	0.006957768	0.001379106	0.009850938	0.026398262	5E-06	22.00960732	1.6937E-05	0.000298976	0.000343486
2114 Oct	63.04998016	0.064275704	0.012825158	0.001000041	14.77451134	0.030305265	5.277006626	0.000999999	0.000999999	5E-06	0.006999019	0.001371908	0.009899058	0.026152229	5E-06	21.84618759	1.68852E-05	0.000296329	0.000337775
2114 Nov	62.77600098	0.065379553	0.012646043	0.00100004	14.73389339	0.030641623	5.273870468	0.000999999	0.000999999	5E-06	0.007033376	0.001365913	0.009939137	0.025947314	5E-06	21.71008301	1.6842E-05	0.000294124	0.000333019
2114 Dec	62.76423645	0.065426961	0.01263835	0.00100004	14.73214912	0.03065607	5.273735523	0.000999999	0.000999999	5E-06	0.007034852	0.001365655	0.009940859	0.025938515	5E-06	21.70423698	1.68402E-05	0.000294029	0.000332815
2115 Jan	62.7661705	0.06543123	0.01263877	0.00100004	14.73273849	0.030656451	5.273952484	0.000999999	0.000999999	5E-06	0.00703489	0.001365687	0.00994085	0.02593952	5E-06	21.70505524	1.68402E-05	0.000294037	0.000332832
2115 Feb	62.7695694	0.065433837	0.012639849	0.00100004	14.73365211	0.030656006	5.274253845	0.000999999	0.000999999	5E-06	0.007034842	0.001365747	0.009940723	0.025941463	5E-06	21.70654678	1.68403E-05	0.000294054	0.000332868
2115 Mar	62.77142334	0.065435268	0.012640439	0.00100004	14.73414993	0.030655764	5.274418831	0.000999999	0.000999999	5E-06	0.007034816	0.001365779	0.009940653	0.025942525	5E-06	21.70736504	1.68404E-05	0.000294063	0.000332888

Appendix D.2-10: SPD

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Apr	62.77248383	0.06543608	0.012640775	0.00100004	14.73443413	0.030655624	5.274512768	0.000999999	0.000999999	5E-06	0.007034801	0.001365798	0.009940613	0.025943128	5E-06	21.70782852	1.68404E-05	0.000294068	0.000332899
2115 May	63.72665787	0.065561324	0.012995415	0.001000039	14.96215057	0.030281885	5.343823433	0.000999999	0.000999999	5E-06	0.007022179	0.001382171	0.009888325	0.026501181	5E-06	22.12591743	1.69951E-05	0.000299539	0.000344024
2115 Jun	64.59634399	0.065503977	0.013333224	0.001000038	15.16166496	0.029871013	5.402665138	0.000999999	0.000999999	5E-06	0.007010864	0.001396973	0.009835965	0.027013354	5E-06	22.50661469	1.71692E-05	0.000304726	0.000354435
2115 Jul	64.23628998	0.064839303	0.013239388	0.001000037	15.06996632	0.029949389	5.37347126	0.000999999	0.000999999	5E-06	0.006989047	0.001393184	0.009813494	0.026856178	5E-06	22.3691864	1.70534E-05	0.000302494	0.000351481
2115 Aug	63.42466354	0.063682824	0.012984451	0.001000036	14.88816166	0.030344304	5.313275337	0.000999999	0.000999999	5E-06	0.00693291	0.001382855	0.009846154	0.026445411	5E-06	22.04997063	1.66518E-05	0.000297614	0.000343102
2115 Sep	63.06330872	0.063562244	0.012836978	0.001000035	14.81928825	0.030631177	5.289783955	0.000999999	0.000999999	5E-06	0.006916589	0.001376491	0.009912402	0.026216786	5E-06	21.8952198	1.6443E-05	0.000295587	0.000338153
2115 Oct	62.94919586	0.064028271	0.012762346	0.001000035	14.80196381	0.030768009	5.288357735	0.000999999	0.000999999	5E-06	0.006931668	0.001373953	0.00992895	0.02613092	5E-06	21.83812714	1.64292E-05	0.000294677	0.000336171
2115 Nov	62.7732811	0.064746737	0.012647291	0.001000034	14.7752552	0.030978961	5.286158562	0.000999999	0.000999999	5E-06	0.006954914	0.001370041	0.00995446	0.025998542	5E-06	21.75011063	1.6408E-05	0.000293274	0.000333115
2115 Dec	62.76039124	0.064799383	0.01263886	0.001000034	14.77329826	0.030994419	5.285997391	0.000999999	0.000999999	5E-06	0.006956618	0.001369754	0.009956328	0.025988843	5E-06	21.74366188	1.64065E-05	0.000293171	0.000332891
2116 Jan	62.7625351	0.064804167	0.012639326	0.001000034	14.77394772	0.030994812	5.286236763	0.000999999	0.000999999	5E-06	0.006956666	0.001369789	0.009956318	0.025989953	5E-06	21.74456596	1.64065E-05	0.00029318	0.00033291
2116 Feb	62.76634216	0.064807117	0.012640534	0.001000034	14.77496719	0.0309943	5.28657341	0.000999999	0.000999999	5E-06	0.006956617	0.001369856	0.009956175	0.025992127	5E-06	21.74623489	1.64067E-05	0.000293199	0.00033295
2116 Mar	62.76840591	0.064808719	0.01264119	0.001000034	14.77552032	0.030994019	5.286756516	0.000999999	0.000999999	5E-06	0.00695659	0.001369892	0.009956096	0.025993306	5E-06	21.74714279	1.64068E-05	0.000293209	0.000332972
2116 Apr	62.76955414	0.064809613	0.012641555	0.001000034	14.77582836	0.030993862	5.286858082	0.000999999	0.000999999	5E-06	0.006956575	0.001369912	0.009956053	0.025993962	5E-06	21.74764633	1.64068E-05	0.000293215	0.000332984
2116 May	63.52585602	0.064926356	0.012922594	0.001000033	14.95515537	0.030688282	5.341448307	0.000999999	0.000999999	5E-06	0.006948745	0.001382774	0.009914185	0.026434826	5E-06	22.0778904	1.65415E-05	0.000297574	0.000341798
2116 Jun	65.1181488	0.06404151	0.013612594	0.00100003	15.27651405	0.029555602	5.426555157	0.001	0.001	5E-06	0.006937029	0.001408845	0.009793608	0.027384501	5E-06	22.76883125	1.70683E-05	0.000308148	0.000362187
2116 Jul	64.69567871	0.063268423	0.013515207	0.001000029	15.14478779	0.02944969	5.37935257	0.001	0.001	5E-06	0.006940122	0.001401471	0.009792729	0.027158063	5E-06	22.58502769	1.71179E-05	0.000306449	0.000358452
2116 Aug	64.53141785	0.063097678	0.013457187	0.001000029	15.11064816	0.029553665	5.367609978	0.001	0.001	5E-06	0.006929546	0.001398993	0.009811983	0.02706486	5E-06	22.51793289	1.70259E-05	0.000305511	0.00035649
2116 Sep	64.07735443	0.064085133	0.013209452	0.001000028	15.03349972	0.0300133	5.351819992	0.001	0.001	5E-06	0.006955206	0.001389935	0.009880491	0.026749928	5E-06	22.30555534	1.68865E-05	0.000302318	0.000349402
2116 Oct	63.55986786	0.066012859	0.012882577	0.001000027	14.95253181	0.030610023	5.343386173	0.001	0.001	5E-06	0.007016715	0.001378789	0.009950947	0.02636968	5E-06	22.05050659	1.68114E-05	0.000298244	0.000340666
2116 Nov	63.48145676	0.06630493	0.012833054	0.001000027	14.9402647	0.03070043	5.34210825	0.001	0.001	5E-06	0.007026034	0.0013771	0.009961622	0.02631207	5E-06	22.01186562	1.68E-05	0.000297627	0.000339342
2116 Dec	63.48017502	0.06630972	0.01283224	0.001000027	14.94006348	0.030701915	5.342087269	0.001	0.001	5E-06	0.007026188	0.001377073	0.009961796	0.026311124	5E-06	22.01123047	1.67998E-05	0.000297617	0.00033932
2117 Jan	63.48150253	0.066312708	0.012832525	0.001000027	14.94046879	0.030702187	5.342236519	0.001	0.001	5E-06	0.007026215	0.001377094	0.009961789	0.026311813	5E-06	22.01179123	1.67998E-05	0.000297622	0.000339332
2117 Feb	63.48388672	0.066314533	0.012833284	0.001000027	14.94110966	0.03070187	5.342448711	0.001	0.001	5E-06	0.007026182	0.001377137	0.009961699	0.026313178	5E-06	22.01284027	1.67999E-05	0.000297634	0.000339357
2117 Mar	63.48519135	0.066315532	0.012833699	0.001000027	14.94145966	0.030701697	5.342564106	0.001	0.001	5E-06	0.007026163	0.001377159	0.009961649	0.026313925	5E-06	22.01341248	1.68E-05	0.000297641	0.000339371
2117 Apr	63.48593521	0.066316098	0.012833935	0.001000027	14.94165897	0.030701598	5.34262991	0.001	0.001	5E-06	0.007026153	0.001377173	0.009961621	0.026314348	5E-06	22.01373863	1.68E-05	0.000297644	0.000339379
2117 May	64.10753632	0.066379242	0.013066657	0.001000026	15.08913898	0.030450489	5.387400627	0.001	0.001	5E-06	0.007017911	0.001387859	0.009926147	0.026678976	5E-06	22.28626251	1.69044E-05	0.00030122	0.000346669
2117 Jun	65.11972809	0.066011921	0.013485637	0.001000025	15.30724621	0.029849038	5.44849062	0.001	0.001	5E-06	0.007004982	0.001404953	0.009854804	0.027282929	5E-06	22.7291584	1.71655E-05	0.000307587	0.000359297
2117 Jul	64.77639008	0.065378614	0.013398404	0.001000024	15.21566582	0.029889807	5.418447495	0.001	0.001	5E-06	0.006989057	0.001400847	0.009837538	0.027126038	5E-06	22.59430504	1.70867E-05	0.000305615	0.000356438
2117 Aug	64.47364044	0.064944468	0.013304083	0.001000024	15.14726257	0.030032052	5.395906925	0.001	0.001	5E-06	0.006968546	0.001397028	0.009847664	0.026973996	5E-06	22.47534561	1.69412E-05	0.000303789	0.000353349
2117 Sep	64.31333923	0.065189444	0.013222639	0.001000024	15.11880112	0.030182203	5.388996124	0.001	0.001	5E-06	0.006973782	0.001393927	0.00987239	0.026865613	5E-06	22.4019165	1.68837E-05	0.000302722	0.00035094
2117 Oct	64.04618835	0.066144541	0.013056642	0.001000023	15.07602692	0.030481342	5.383969784	0.001	0.001	5E-06	0.007004593	0.001388195	0.009908277	0.026670484	5E-06	22.27065659	1.68456E-05	0.000300648	0.00034648
2117 Nov	63.96906662	0.066420287	0.013008717	0.001000023	15.06367779	0.030567706	5.382518291	0.001	0.001	5E-06	0.007013488	0.00138654	0.009918638	0.026614148	5E-06	22.23275948	1.68347E-05	0.000300049	0.000345192
2117 Dec	63.96411514	0.066437975	0.013005642	0.001000023	15.06288528	0.030573247	5.382425308	0.001	0.001	5E-06	0.007014059	0.001386434	0.009919303	0.026610535	5E-06	22.23032951	1.6834E-05	0.000300011	0.000345109
2118 Jan	63.96596146	0.066442192	0.013006033	0.001000023	15.06345081	0.03057364	5.382633686	0.001	0.001	5E-06	0.007014098	0.001386464	0.009919295	0.026611488	5E-06	22.23110771	1.6834E-05	0.000300018	0.000345125
2118 Feb	63.9693222	0.06644477	0.013007102	0.001000023	15.06435299	0.030573199	5.382932186	0.001	0.001	5E-06	0.007014052	0.001386523	0.009919167	0.026613412	5E-06	22.232584	1.68341E-05	0.000300035	0.000345161
2118 Mar	63.97116089	0.066446178	0.013007685	0.001000023	15.06484604	0.030572955	5.383094788	0.001	0.001	5E-06	0.007014026	0.001386555	0.0099191	0.026614459	5E-06	22.23339081	1.68342E-05	0.000300044	0.00034518
2118 Apr	64.0883255	0.066536061	0.013044911	0.001000023	15.09629345	0.030557515	5.39348793	0.001	0.001	5E-06	0.007012399	0.001388619	0.00991469	0.026681468	5E-06	22.28489113	1.68388E-05	0.000300628	0.000346429
2118 May	65.741745	0.066836216	0.013652747	0.001000022	15.49453354	0.029941723	5.515694141	0.001	0.001	5E-06	0.006990665	0.001417075	0.009825149	0.02764748	5E-06	23.00963783	1.70928E-05	0.000310004	0.000365594
2118 Jun	67.1942749	0.06625545	0.014258651	0.00100002	15.8046484	0.029053766	5.601719856	0.001	0.001	5E-06	0.006972638	0.001441487	0.00972266	0.028513892	5E-06	23.64454079	1.74805E-05	0.000319228	0.00038378
2118 Jul	66.91733551	0.065768495	0.014189801	0.00100002	15.72528267	0.029042155	5.574492455	0.001	0.001	5E-06	0.006967556	0.001437379	0.009716735	0.02837513	5E-06	23.52960205	1.74629E-05	0.000317865	0.000381359
2118 Aug	66.31484985	0.065076165	0.013986678	0.001000019	15.5940733	0.029371304	5.5302248	0.001	0.001	5E-06	0.006931236	0.001428704	0.009766924	0.028046485	5E-06	23.28547096	1.71621E-05	0.000314384	0.000374568
2118 Sep	65.55253601	0.066283517	0.013601033	0.001000018	15.45486832	0.030053478	5.496973515	0.001	0.001	5E-06	0.006962129	0.001413952	0.009873766	0.027534153	5E-06	22.93494797	1.69266E-05	0.000309289	0.000363258
2118 Oct	65.02576447	0.067965746	0.013287965	0.001000018	15.3655138	0.030597515	5.483980179	0.001	0.001	5E-06	0.007018106	0.001402889	0.009938419	0.027158001	5E-06	22.67888451	1.68565E-05	0.000305311	0.000354768
2118 Nov	64.89846039	0.068372287	0.013212306	0.001000018	15.34392071	0.030728992	5.480840206	0.001	0.001	5E-06	0.007031633	0.001400215	0.009954043	0.027067097	5E-06	22.61700058	1.68395E-05	0.00030435	0.000352716
2118 Dec	64.89627075	0.06837929	0.013211003	0.001000018	15.34354782	0.030731255	5.480786324	0.001	0.001	5E-06	0.007031866	0.001400169	0.009954312	0.02706553	5E-06	22.61593437	1.68392E-05	0.000304333	0.00035268
2119 Jan	64.89772034	0.068382621	0.013211311	0.001000018	15.34399414	0.030731568	5.480951309	0.001	0.001	5E-06	0.007031898	0.001400193	0.009954304	0.027066285	5E-06	22.61654854	1.68392E-05	0.000304339	0.000352693
2119 Feb	64.90045166	0.068384677	0.013212182	0.001000018	15.34472561	0.030731197	5.481193066	0.001	0.001	5E-06	0.007031859	0.001400241	0.009954198	0.027067848	5E-06	22.61774826	1.68393E-05	0.000304353	0.000352722
2119 Mar	64.90194702	0.068385795	0.013212657	0.001000018	15.3451252	0.030730996	5.481324673	0.001	0.001	5E-06	0.007031837	0.001400267	0.009954141	0.027068703	5E-06	22.6184063	1.68394E-05	0.00030436	0.000352738
2119 Apr	65.38375092	0.06874799	0.013366296	0.001000018	15.47426414	0.030665796	5.523968697	0.001	0.001	5E-06	0.007024961	0.001408772	0.009935586	0.027344732	5E-06	22.83033752	1.68586E-05	0.000306764	0.000357886
2119 May	68.94878387	0.070376597	0.014592146	0.001000016	16.38140869	0.029760122	5.813546658	0.001	0.001	5E-06	0.006974133	0.001471108	0.009767216	0.029411361	5E-06	24.39732742	1.71974E-05	0.000325737	0.000397673
2119 Jun	69.02524567	0.069496803	0.014695879	0.001000015	16.35875702	0.029372487	5.797175407	0.001	0.001	5E-06	0.006973091	0.00147193	0.009736577	0.029476732	5E-06	24.4299202	1.73759E-05	0.000327176	0.000400002
2119 Jul	68.63302612	0.068800174	0.014602562	0.001000015	16.23933983	0.029298337	5.754820824	0.001	0.001	5E-06	0.006973762	0.001465295	0.009735223	0.02926866	5E-06	24.26088142	1.74033E-05	0.00032551	0.000396508
2119 Aug	68.16534424	0.06828811	0.014442877	0.001000015	16.13710594	0.029551733	5.719670296	0.001	0.001	5E-06	0.006947674	0.001458158	0.009782749	0.029005479	5E-06	24.06860161	1.71764E-05	0.000322905	0.000391085
2119 Sep	67.58670807	0.068583146	0.014188367	0.001000014	16.02198029	0.029978814	5.68607378	0.001	0.001	5E-06	0.006950307	0.001447599	0.009860797	0.028636364	5E-06	23.81175423	1.69649E-05	0.000319388	0.000383167
2119 Oct	67.19036865	0.069637641	0.013967742	0.001000014	15.94941902	0.030339492	5.672961235	0.001	0.001	5E-06	0.006987517	0.001439493	0.009903758	0.028361762	5E-06	23.6217823	1.69178E-05	0.000316521	0.000377088
2119 Nov	67.02907562	0.070066802	0.013877954	0.001000014	15.9198885	0.030486278	5.667625427	0.001	0.001	5E-06	0.007002661	0.001436194	0.009921242	0.028250007	5E-06	23.54446793	1.68986E-05	0.000315355	0.000374614
2119 Dec	67.02713776	0.070071951	0.013876877	0.001000014	15.91953278	0.030488042	5.667561054	0.001	0.001	5E-06	0.007002842	0.001436154	0.009921452	0.028248666	5E-06	23.54354095	1.68983E-05	0.000315341	0.000374585

Appendix D.2-10: SPD

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	1.4E-05	4.8E-05	6.6E-08	7.0E-01	4.9E-02	2.9E-04	7.1E-05	1.1E+01	2.5E-04	6.0E-05	1.7E-07	1.6E-06	6.4E-06	2.2E-04	3.9E-08	5.5E-05	1.4E-05	2.2E-05	1.6E-04
Operations (2020-2043): Mean	2.6E-03	3.3E-02	1.9E-05	1.5E+02	4.4E+01	2.5E-01	2.0E-02	4.2E+03	2.7E-02	5.0E-02	1.1E-04	7.5E-03	1.9E-03	1.2E+01	6.0E-05	5.4E-03	4.4E-03	1.2E-02	7.6E-02
Operations (2020-2043): Max	6.9E-03	7.5E-02	4.7E-05	5.1E+02	1.3E+02	7.0E-01	5.4E-02	1.6E+04	7.9E-02	2.1E-01	3.2E-04	2.6E-02	5.3E-03	4.4E+01	3.3E-04	1.6E-02	1.4E-02	4.2E-02	3.0E-01
Active Closure (2044-2050): Min	8.2E-04	8.8E-03	1.1E-05	4.2E+00	3.7E+00	4.7E-02	1.3E-03	3.3E+01	2.6E-03	1.0E-02	3.3E-05	4.9E-04	1.8E-04	2.8E-01	6.8E-06	1.0E-03	4.5E-04	1.2E-03	4.9E-04
Active Closure (2044-2050): Mean	8.8E-04	4.9E-02	1.2E-05	7.1E+00	5.5E+00	7.1E-02	2.3E-03	5.9E+01	4.0E-03	1.1E-02	9.0E-05	7.9E-04	3.0E-04	4.7E-01	1.1E-05	1.9E-03	4.7E-04	1.5E-03	9.3E-04
Active Closure (2044-2050): Max	9.9E-04	7.2E-02	1.4E-05	1.2E+01	8.8E+00	1.1E-01	4.1E-03	1.1E+02	6.5E-03	1.1E-02	1.3E-04	1.3E-03	5.0E-04	8.1E-01	1.9E-05	3.5E-03	5.0E-04	1.6E-03	1.7E-03
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	8.2E-04	7.2E-02	1.0E-05	1.3E+00	2.4E+00	4.2E-02	2.4E-04	4.6E+00	1.2E-03	1.0E-02	1.2E-04	1.3E-04	7.0E-05	9.5E-02	2.0E-06	6.7E-05	4.5E-04	1.5E-03	4.3E-10
Post Closure (2051-2119): Mean	9.6E-04	1.4E-01	1.0E-05	1.7E+00	2.8E+00	5.1E-02	3.5E-04	7.2E+00	1.4E-03	1.0E-02	4.0E-04	1.8E-04	8.6E-05	1.2E-01	2.4E-06	1.4E-04	6.8E-04	1.6E-03	3.7E-05
Post Closure (2051-2119): Max	1.1E-03	1.6E-01	1.1E-05	4.2E+00	3.7E+00	6.4E-02	1.3E-03	3.3E+01	2.6E-03	1.1E-02	5.2E-04	4.9E-04	1.8E-04	2.8E-01	6.8E-06	1.0E-03	8.1E-04	1.7E-03	4.9E-04
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	1.37007E-05	4.80119E-05	6.58745E-08	0.697107852	0.048718166	0.000294178	7.08633E-05	10.6329298	0.000250775	6.00509E-05	1.72133E-07	1.60768E-06	6.40901E-06	0.000220387	3.92672E-08	5.49385E-05	1.41496E-05	2.15507E-05	0.000157719
2025 Jun	0.003616266	0.016233534	9.31868E-06	85.32349396	23.82043266	0.432843566	0.016562857	1453.502075	0.025908157	0.128091827	7.3899E-05	0.001188517	0.000934393	3.628823996	0.000198673	0.005509976	0.001119311	0.004288176	0.013097616
2025 Jul	0.005506077	0.025172139	1.31571E-05	117.2985916	37.66984177	0.704446018	0.024944644	2040.123657	0.034298003	0.209378555	0.000116156	0.001907303	0.001325894	5.981630802	0.000326568	0.007240109	0.001369918	0.006350144	0.01629502
2025 Aug	0.005845333	0.026209315	1.5132E-05	138.7641449	38.40923691	0.696598768	0.026790589	2361.057861	0.042223815	0.206083953	0.000119206	0.001914557	0.001516854	5.834974289	0.000319518	0.00898352	0.001831711	0.006943429	0.021415958
2025 Sep	0.006345112	0.027485747	1.86112E-05	177.3553925	38.72433853	0.6599527	0.029661193	2929.403564	0.056744829	0.193303347	0.000121688	0.001871275	0.00185165	5.366747856	0.000295833	0.012186831	0.002696723	0.007916316	0.030974999
2025 Oct	0.006759674	0.028466422	2.16742E-05	211.5312042	38.74524689	0.62176311	0.032089312	3430.523438	0.06967359	0.180239722	0.000123123	0.001818609	0.002145973	4.900028229	0.000272056	0.015041185	0.003471617	0.008754032	0.039530054
2025 Nov	0.006927122	0.028843738	2.2954E-05	225.8560486	38.69585037	0.604463398	0.033081364	3640.072998	0.075108282	0.174370795	0.000123552	0.001793303	0.00226885	4.692670345	0.000261458	0.016241547	0.003798411	0.009099786	0.043136135
2025 Dec	0.006929718	0.028849101	2.2975E-05	226.0916748	38.69358063	0.604146481	0.03309704	3643.507568	0.075198069	0.174264431	0.000123555	0.001792806	0.002270859	4.688965797	0.000261268	0.016261389	0.003803836	0.009105339	0.043195952
2026 Jan	0.006393148	0.034480307	2.12081E-05	259.2375488	50.22368622	0.556948841	0.035415221	5217.48584	0.071785353	0.159414053	0.000134013	0.004967205	0.002644952	9.751883507	0.000232296	0.014066389	0.005104914	0.013333636	0.076047532
2026 Feb	0.0056379	0.042386293	1.87134E-05	305.6465149	66.41969299	0.490853846	0.038661506	7426.085449	0.066936359	0.138621926	0.000148701	0.00942611	0.00316914	16.8652935	0.00019172	0.010971101	0.006928979	0.019269044	0.122152083
2026 Mar	0.005162318	0.047370687	1.71447E-05	334.9418335	76.62815094	0.449135274	0.04071055	8818.842773	0.063895851	0.125496879	0.000157959	0.01223659	0.003499911	21.34839249	0.00016611	0.009023583	0.008079712	0.023011273	0.151223794
2026 Apr	0.004822973	0.050933987	1.60279E-05	355.9261169	83.92331696	0.419255972	0.042178117	9814.886719	0.061740991	0.116095223	0.000164576	0.014245014	0.00373671	24.55150032	0.000147769	0.007635775	0.008903199	0.025686791	0.172012269
2026 May	0.004620089	0.053343859	1.54619E-05	371.7731934	88.74427032	0.396914631	0.043280818	10502.96289	0.061041255	0.109009102	0.000168988	0.015571417	0.003910183	26.64276314	0.00013408	0.006877502	0.009493275	0.027504118	0.186273888
2026 Jun	0.004941318	0.050035425	1.49054E-05	327.8815002	82.8241272	0.496201634	0.041046549	9131.856445	0.054740112	0.140447557	0.000166696	0.013542769	0.003487917	23.86310768	0.000189794	0.006455532	0.008054994	0.024267724	0.157818556
2026 Jul	0.004935867	0.060628682	1.51296E-05	399.394928	102.2719498	0.485200495	0.047721252	11692.6748	0.059037969	0.135316253	0.000193044	0.018029559	0.004255677	31.14334297	0.000172405	0.005410066	0.010296339	0.03101051	0.207841843
2026 Aug	0.005110953	0.053631261	1.69693E-05	374.210968	88.26869202	0.444883913	0.044416081	10296.26172	0.064897865	0.123273917	0.000173298	0.014920463	0.003928142	25.72603989	0.000157321	0.00805703	0.00934077	0.026929626	0.180251017
2026 Sep	0.005181754	0.053924922	1.80471E-05	389.1006775	88.19592285	0.413927317	0.045195349	10558.12988	0.069912195	0.113264792	0.000172476	0.015009008	0.004055112	25.64486694	0.000139912	0.009105191	0.009724115	0.027368614	0.185300052
2026 Oct	0.005568415	0.05184086	2.06064E-05	397.0195007	82.8190155	0.391323656	0.045415197	10229.68652	0.0793975	0.105682299	0.000166766	0.0136572	0.0040809	23.15636444	0.000128039	0.011787088	0.009709421	0.026125152	0.177687436
2026 Nov	0.004888178	0.056671347	1.78094E-05	416.0658569	93.49012756	0.356012791	0.046648912	11538.42285	0.071678989	0.095000923	0.000175592	0.016671229	0.004327281	28.0832119	0.000107061	0.008717806	0.010669584	0.029818362	0.205791131
2026 Dec	0.00449264	0.059463453	1.61735E-05	426.8909912	99.66947937	0.335899889	0.047350902	12292.92773	0.067137644	0.088925764	0.000180705	0.018415952	0.004468204	30.93792725	9.51077E-05	0.006925104	0.011220608	0.031951226	0.222003564
2027 Jan	0.004150873	0.061875988	1.47599E-05	438.0025024	105.4710236	0.318521231	0.047957461	13001.76465	0.063213669	0.083676495	0.000185123	0.01992349	0.004589968	33.56132126	8.47795E-05	0.00537611	0.011696722	0.033794139	0.237076312
2027 Feb	0.003887514	0.063735038	1.36707E-05	447.6495056	110.2267914	0.305129558	0.048424862	13583.09082	0.060189925	0.079631507	0.000188527	0.021085169	0.004683797	35.67958832	7.68207E-05	0.004182485	0.012063608	0.035214253	0.249347791
2027 Mar	0.003723599	0.064892106	1.29928E-05	453.6537781	113.1867752	0.296794623	0.048715774	13944.90723	0.058307961	0.077113919	0.000190646	0.021808196	0.004742196	36.99799728	7.18672E-05	0.003439577	0.012291956	0.03609813	0.256985545
2027 Apr	0.003607181	0.065713905	1.25113E-05	457.9182434	115.2890778	0.290874839	0.04892239	14201.88379	0.056971308	0.075325824	0.000192151	0.022321718	0.004783674	37.93437958	6.83491E-05	0.002911933	0.012454137	0.03672589	0.262410164
2027 May	0.00357051	0.066158578	1.24989E-05	461.2305908	116.1593933	0.286065519	0.049078234	14318.2334	0.056888882	0.073880561	0.000192667	0.022480629	0.00481028	38.23625565	6.56597E-05	0.002847468	0.012529451	0.036937524	0.264777511
2027 Jun	0.004210023	0.058451567	1.25766E-05	380.175415	101.1343384	0.439081311	0.044376533	11499.53125	0.049284406	0.122655839	0.000182333	0.017874816	0.004003263	31.42115402	0.000154117	0.003381641	0.009773538	0.029978611	0.206576437
2027 Jul	0.004109445	0.067532539	1.25376E-05	445.711792	118.8722992	0.417709589	0.049943369	13875.43066	0.052553929	0.114650503	0.000204082	0.021873726	0.004669045	38.1757431	0.00013323	0.002318211	0.011758938	0.035929054	0.253293246
2027 Aug	0.003997141	0.063254394	1.33455E-05	426.4206238	109.6191788	0.371338934	0.047190804	12932.55859	0.05410891	0.101201452	0.000189019	0.019888639	0.004431473	34.58393478	0.00011437	0.00364369	0.011068051	0.033114277	0.235404864
2027 Sep	0.004630832	0.061142158	1.78352E-05	429.3866882	100.713028	0.362144768	0.047260471	11999.3291	0.066140212	0.098465845	0.000181106	0.017055146	0.00438811	29.53315544	0.000111289	0.007910014	0.010525695	0.02989836	0.214575052
2027 Oct	0.004294985	0.061873898	1.62649E-05	432.4503479	103.7933502	0.340659589	0.047124028	12448.22168	0.062507726	0.091845147	0.000182059	0.01819133	0.004435494	31.42401123	9.97062E-05	0.006479923	0.010860892	0.031236166	0.224769369
2027 Nov	0.003877881	0.064339682	1.42072E-05	446.3692017	110.7752686	0.316139281	0.047944263	13402.58105	0.05827029	0.08400017	0.000187556	0.020325588	0.004603341	35.00456238	8.46303E-05	0.004422691	0.011605954	0.033961408	0.245179221
2027 Dec	0.003663525	0.065763824	1.32082E-05	455.1806641	114.6058731	0.301453531	0.048479017	13937.92773	0.056371339	0.079294756	0.000190625	0.021479301	0.004705229	36.9267807	7.56178E-05	0.003404645	0.012033798	0.035460912	0.25654912
2028 Jan	0.003485024	0.066903435	1.23451E-05	461.2093201	117.5576096	0.29030174	0.048888192	14347.12109	0.054657329	0.075718217	0.000193147	0.022426438	0.004784528	38.45002365	6.87261E-05	0.002531774	0.01237443	0.036682013	0.265318573
2028 Feb	0.003356457	0.06772425	1.17235E-05	465.135376	119.5741882	0.282269567	0.049182903	14628.375	0.053422794	0.073142178	0.000194964	0.02310862	0.004841644	39.51004028	6.37623E-05	0.00190308	0.012619774	0.037561525	0.271382868
2028 Mar	0.00328241	0.06819699	1.13655E-05	467.3965149	120.7356262	0.277643502	0.049352638	14790.36133	0.052711774	0.071658529	0.00019601	0.023501515	0.00487454	40.12054825	6.09035E-05	0.001540989	0.012761078	0.038068067	0.274875551
2028 Apr	0.003233042	0.068512179	1.11268E-05	468.9040527	121.509964	0.27455923	0.049465805	14898.35938	0.05223773	0.07066936	0.000196707	0.023763467	0.004896471	40.52758026	5.89974E-05	0.001299578	0.012855287	0.038405791	0.277204156
2028 May	0.003199917	0.068727933	1.09693E-05	469.9709473	122.033226	0.272378385	0.049545612	14972.1377	0.051933926	0.06996984	0.00019718	0.023941036	0.004911782	40.80213928	5.76542E-05	0.001139945	0.012920307	0.038635883	0.278793007
2028 Jun	0.00355531	0.066487625	1.13402E-05	444.5605774	117.3135223	0.338733405	0.04850772	14032.01367	0.050567951	0.090715423	0.000195982	0.022397047	0.004669006	38.49979401	9.42087E-05	0.001568477	0.012032362	0.036416624	0.258846551
2028 Jul	0.003516121	0.072771445	1.14979E-05	491.1842957	129.1068573	0.319237053	0.052583702	15683.40918	0.054033134	0.083529465	0.00021115	0.025232982	0.005160347	43.06184387	7.68144E-05	0.001032991	0.01351277	0.040719621	0.291339129
2028 Aug	0.003598838	0.074687034	1.20016E-05	506.5562744	132.2913361	0.31826815	0.054016914	16129.29688	0.05631943	0.082816273	0.000216022	0.025880972	0.00531561	44.10258484	7.39334E-05	0.001267138	0.013928485	0.041817449	0.299723357
2028 Sep	0.00394552	0.068163849	1.35396E-05	463.9727173	118.2834473	0.345120668	0.0505101157	14246.11426	0.0578118	0.09206108	0.000200525	0.022241771	0.004848967	38.08457184	9.47355E-05	0.003349999	0.012358914	0.036734808	0.26148665
2028 Oct	0.004067376	0.066151217	1.5112E-05	461.6796875	112.8903732	0.317963302	0.04973058	13769.93848	0.062508687	0.083873071	0.000193038	0.020914078	0.00478649	35.64772797	8.25367E-05	0.005076877	0.012093524	0.035128966	0.251778632
2028 Nov	0.003499244	0.068042599	1.24473E-05	468.8054504	119.066597	0.285235733	0.049787909	14608.2998	0.056010015	0.073804289	0.000196189	0.023009932	0.004892993	39.12363815	6.44146E-05	0.002533932	0.012713661	0.037616987	0.270511538
2028 Dec	0.003322085	0.068737201	1.15789E-05	471.3660889	121.2307129	0.276279658	0.049863182	14892.14063	0.053877451	0.071034573	0.000197541	0.023716116	0.004930967	40.30363846	5.92989E-05	0.001691559	0.012921735	0.038462613	0.276787192
2029 Jan	0.003238299	0.069065705	1.11682E-05	473.0583191	122.3808212	0.272044748	0.049898773	15041.96191	0.052868783	0.069724895	0.000198181	0.024050102	0.004948925	40.90465546	5.688E-05	0.001293145	0.013020135	0.038862545	0.280046642
2029 Feb	0.003192052	0.069247022	1.09415E-05	474.4364929	123.132431	0.269707173	0.049918417	15139.03418	0.052312031	0.069001995	0.000198534	0.024234449	0.004958837	41.27600479	5.55447E-05	0.001073233	0.013074449	0.039083295	0.282114625
2029 Mar	0.003161041	0.069368608	1.07895E-05	475.3606262	123.6364136	0.26813975	0.04993159	15204.125	0.051938705	0.06851726	0.000198771	0.024358064	0.004965484	41.52500534	5.46494E-05	0.000925772	0.013110869	0.039231315	0.283501327
2029 Apr	0.003137934	0.0694592	1.06762E-05	476.0492554	124.0119476	0.266971827	0.049941406	15252.62598	0.051660534	0.068156071	0.000198947	0.024450172	0.004970437	41.7105484	5.39823E-05	0.000815895	0.013138006	0.039341614	0.284534574
2029 May	0.003133466	0.06947536	1.06739E-05	476.4277039	124.1129608	0.266053528	0.049947638	15267.88281	0.051683571	0.067871004	0.000198925	0.024464097	0.004972836	41.75241852	5.34917E-05	0.00081437	0.013147247	0.039361939	0.284857005
2029 Jun	0.003545968	0.064244896	1.10375E-05	427.4374695	113.7717896	0.347969472	0.047012422	13497.55664	0.048687771	0.093966588	0.000190919	0.021498503	0.004488596	37.20803452	0.000101553	0.00154106	0.011511952	0.035002042	0.248461321
2029 Jul	0.004016982	0.065139174	1.20185E-05	425.7705383	114.8309326	0.41669476	0.048221495	13304.84473	0.050216909	0.114816301	0.000197926	0.021055523	0.004485002	36.84465027	0.000135574	0.002143031	0.01126736	0.034580767	0.242678314
2029 Aug	0.003783677	0.066060357	1.25983E-05	445.6034851	116.0674133	0.344091386	0.048780981	13852.73828	0.054195691	0.092245795	0.000195113	0.021700334	0.004670712	37.54245377	9.69418E-05	0.002748598	0.011918938	0.035689875	0.254645318
2029 Sep	0.003947203	0.069709621	1.35514E-05	473.9951782	122.2272644	0.343984425	0.051507581	14689.63574	0.058461551	0.091429859	0.000204496	0.022921272	0.004963041	39.54460907	9.23695E-05	0.003182688	0.01269665	0.037757684	0.27039814
2029 Oct	0.003876722	0.068730727	1.37679E-05	471.2771301	120.11129	0.321481854	0.05087997	14532.69531	0.059327643	0.084658928	0.000200302	0.022552988	0.004929937	38.80054855	8.18371E-05	0.003551561	0.012628027	0.037257679	0.267742664
2029 Nov	0.003585609	0.068211406	1.29365E-05	470.9689941	119.9110107	0.286923587	0.05009456	14658.06738	0.057509683	0.074230447	0.000196659	0.022879165	0.004916952	39.22238922	6.49241E-05	0.00295159	0.012737362	0.037541375	0.271389782
2029 Dec	0.003388121	0.068811536	1.1957E-05	474.1367493	122.0334396	0.277465343	0.050063569	14956.28223	0.055018429	0.071337573	0.000197749	0.023591232	0.004945582	40.4271965	5.96961E-05	0.002021263	0.012928793	0.038368426	0.277906924
2030 Jan	0.003285015	0.069127157	1.14371E-05	476.2572327	123.2914276	0.27282691	0.050046593	15128.76465	0.053685222	0.069919832	0.000198347	0.023965428	0.004960029	41.10876083	5.71209E-05	0.001526823	0.01302738	0.038801793	0.281621158
2030 Feb	0.003225795	0.069308206	1.11385E-05	477.925415	124.1324234	0.270165801	0.050036632	15242.40527	0.052919328	0.06910602	0.00019869	0.024180241	0.004968306	41.54039001	5.5643E-05	0.00124285	0.013083946	0.039050546	0.28402701
2030 Mar	0.003187275	0.069425926	1.09443E-05	479.0101013	124.6793594	0.268435448	0.050030112	15316.30859	0.052421141	0.068576768	0.000198913	0.024319943	0.004973686	41.82110977	5.46819E-05	0.001058148	0.013120729	0.039212316	0.285591632
2030 Apr	0.003159097	0.069512092	1.08022E-05	479.8039551	125.0795288	0.267169118	0.050025385	15370.38184	0.052056737	0.068189524	0.000199076	0.024422158	0.004977626	42.02648926	5.39787E-05	0.000923033	0.013147647	0.03933068	0.286736399
2030 May	0.003139065	0.069571614	1.07023E-05	480.3650208	125.3619614	0.266245127	0.050020937	15408.6123	0.051800944	0.067905083	0.000199185	0.024493841	0.004980365	42.17149734	5.34658E-05	0.000828188	0.013166596	0.039413653	0.287546813
2030 Jun	0.003428051	0.062177867	1.07719E-05	409.0505981	110.5588531	0.394791037	0.04424306	12994.40918	0.046357159	0.098916717	0.000188422	0.020584539	0.004262445	36.28917694	0.000116831	0.001367382	0.010961785	0.033764113	0.239477038
2030 Jul	0.003681344	0.058844257	1.2064E-05	383.0793457	102.8815308	0.421121091	0.042364147	11891.40137	0.048426222	0.10528414	0.000181202	0.018484157	0.0040202	32.8768959	0.000131296	0.002844187	0.010119264	0.030974254	0.217346787
2030 Aug	0.003608899	0.066831447	1.22988E-05	450.9138489	118.5839844	0.353417188	0.048277643	14192.09375	0.053624146	0.08899077	0.000197587	0.022211904	0.004703271	38.82697296	9.40604E-05	0.002330794	0.012139585	0.036505289	0.262346059
2030 Sep	0.003594737	0.071741797	1.20727E-05	487.9074097	128.5277557	0.341699183	0.051630642	15524.9541	0.055001806	0.086608894	0.000209769	0.024487313	0.005070012	42.63240814	8.48458E-05	0.001593611	0.013225174	0.039822888	0.28816548
2030 Oct	0.003463201	0.063359581	1.18327E-05	423.5507507	112.0677643	0.368357241	0.045227189	13335.16699	0.050726213	0.089791298	0.00018943	0.020865772	0.004415755	36.67015076	0.000100765	0.002252776	0.01138908	0.034460228	0.246382371
2030 Nov	0.003335391	0.064070366	1.14321E-05	431.8254395	113.9341354	0.342629075	0.045705602	13671.77051	0.050364811	0.083572805	0.000189631	0.02146849	0.004492463	37.57683563	8.88684E-05	0.001884518	0.011671059	0.035229858	0.253366828
2030 Dec	0.003231275	0.065895125	1.09888E-05	447.9781799	118.0623169	0.317163974	0.047024243	14289.2373	0.050246421	0.078142256	0.000192819	0.022556728	0.004648627	39.30587006	7.68756E-05	0.001351575	0.012172804	0.036699615	0.265644193
2031 Jan	0.003197615	0.066481605	1.08451E-05	453.1668701	119.3903046	0.308989614	0.047447365	14487.81445	0.050204404	0.076398611	0.000193845	0.022906944	0.004698767	39.86248779	7.3025E-05	0.001179125	0.012334035	0.037172403	0.26959309
2031 Feb	0.003197569	0.066476829	1.08451E-05	453.1243286	119.3806076	0.309052438	0.047442868	14486.4209	0.050201215	0.076408222	0.000193836	0.022904685	0.004698327	39.85903168	7.30507E-05	0.001179385	0.012332819	0.037169203	0.269566476
2031 Mar	0.003197544	0.066474229	1.0845E-05	453.1011658	119.3753281	0.30908671	0.047440413	14485.65918	0.050199475	0.07641346	0.000193832	0.022903452	0.004698087	39.85714722	7.30647E-05	0.001179527	0.012332155	0.037167456	0.269551963
2031 Apr	0.003197738	0.066472113	1.08464E-05	453.0838318	119.3696899	0.30910185	0.04743918	14484.88281	0.050202608	0.076415241	0.000193827	0.022901943	0.004697951	39.85460663	7.3071E-05	0.001180965	0.012331662	0.037165593	0.269536644
2031 May	0.003237529	0.06505575	1.1095E-05	440.667572	116.2485428	0.325379163	0.046312414	14033.93262	0.050112683	0.079219677	0.000191109	0.022124406	0.004578806	38.61671829	8.02152E-05	0.001515694	0.011971084	0.036109008	0.260766536
2031 Jun	0.003551644	0.051581603	1.70729E-05	175.118515	55.49022675	0.37127012	0.025835054	5323.790039	0.031453945	0.081585072	0.000267576	0.009653855	0.002079366	15.56866074	8.19445E-05	0.004654864	0.00717354	0.016822204	0.09715014
2031 Jul	0.000428051	0.004079861	3.62271E-06	6.558661938	3.456619978	0.037989132	0.002014726	144.5211334	0.002686862	0.006507178	2.50253E-05	0.000550558	0.000154652	0.509972334	5.563E-06	0.000972381	0.000502774	0.000831075	0.002374413
2031 Aug	0.00063688	0.0054924	7.04847E-06	8.200716972	4.830024242	0.057030663	0.002775666	117.5286102	0.00414212	0.007402687	2.78862E-05	0.000737298	0.000265181	0.435776204	7.85691E-06	0.001891057	0.000504676	0.000858369	0.001722578
2031 Sep	0.002136361	0.017059049	2.56413E-05	28.49696732	16.72601509	0.181985855	0.009423103	395.3536987	0.014312497	0.019314457	8.31266E-05	0.002636881	0.000966604	1.397554874	1.88318E-05	0.006728172	0.001678953	0.002863195	0.005561606
2031 Oct	0.003686131	0.028545195	3.75802E-05	51.79695892	27.07994652	0.327072114	0.016129058	756.5872192	0.026822321	0.045137163	0.000148917	0.003861912	0.001492494	2.419092178	4.82733E-05	0.010754857	0.003156633	0.005211719	0.0103101
2031 Nov	0.003759752	0.028747585	3.73223E-05	56.09218216	27.42012787	0.334092945	0.016543698	826.0927734	0.028739646	0.047383305	0.00014815	0.003775034	0.001526402	2.442163467	5.2537E-05	0.011056516	0.003204469	0.005347237	0.011292381
2031 Dec	0.003759645	0.028744977	3.73123E-05	56.09863663	27.41964149	0.334319711	0.016540319	826.2651367	0.028743282	0.047431927	0.000148134	0.003773575	0.001526116	2.443240166	5.26437E-05	0.011055198	0.003203653	0.00534773	0.011293894
2032 Jan	0.003759452	0.028742988	3.73064E-05	56.09456253	27.41880417	0.334448189	0.016537527	826.2428589	0.028741775	0.047458753	0.000148125	0.003772839	0.001525873	2.443887711	5.27031E-05	0.01105377	0.003203045	0.005347776	0.011292902
2032 Feb	0.003759337	0.028741891	3.73034E-05	56.09162903	27.41830635	0.33451578	0.016535966	826.2189331	0.02874062	0.047472801	0.000148121	0.003772462	0.001525737	2.444232464	5.27343E-05	0.011052948	0.00320271	0.005347776	0.011292192
2032 Mar	0.003759275	0.028741295	3.73017E-05	56.09004211	27.41803551	0.334552377	0.016535122	826.2059937	0.028739994	0.047480401	0.000148119	0.003772257	0.001525664	2.444419146	5.27511E-05	0.011052503	0.003202529	0.005347776	0.011291808

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.00375924	0.028740965	3.73008E-05	56.08916473	27.41788483	0.334572703	0.016534654	826.1987915	0.028739646	0.047484625	0.000148117	0.003772144	0.001525623	2.444522619	5.27605E-05	0.011052257	0.003202428	0.005347776	0.011291595
2032 May	0.00377051	0.028772769	3.72682E-05	56.60990906	27.47203636	0.335448653	0.016601006	834.7268066	0.029006928	0.047809564	0.000148022	0.003761077	0.001530707	2.448012829	5.33447E-05	0.01109495	0.003209449	0.005366742	0.011407875
2032 Jun	0.003667694	0.035284661	3.37254E-05	36.91649246	24.88651276	0.323363185	0.015495534	563.6170654	0.022675911	0.051146928	0.000202337	0.003775221	0.001194172	2.400528431	4.29566E-05	0.009266567	0.003795326	0.005517082	0.007781337
2032 Jul	0.003411412	0.032613508	3.53165E-05	35.29871368	24.55340958	0.311099797	0.014453402	529.7878418	0.020304404	0.044634435	0.000174755	0.0038631	0.001230971	2.34011817	4.10273E-05	0.009362211	0.003142336	0.004874129	0.007745439
2032 Aug	0.002437566	0.022378219	2.81944E-05	28.41993713	18.60825348	0.21871902	0.010542075	418.1838989	0.015178537	0.026736053	0.000110172	0.002968212	0.001007676	1.6579355	2.58653E-05	0.007445382	0.001980951	0.00327553	0.006011758
2032 Sep	0.000544213	0.004758395	6.94556E-06	6.855814934	4.408833027	0.049249016	0.002383803	99.47714233	0.003424186	0.005098202	2.12277E-05	0.000712965	0.000250627	0.376871198	5.4562E-06	0.001805305	0.000380646	0.000685713	0.001382474
2032 Oct	0.000455338	0.003922512	5.90856E-06	6.224649906	3.783011436	0.04367055	0.001985856	90.36264801	0.002984805	0.004574039	1.59026E-05	0.000592084	0.000218288	0.32983321	5.90872E-06	0.001555374	0.000278063	0.000559865	0.001257333
2032 Nov	0.000525118	0.004305247	6.17943E-06	8.170798302	4.218017101	0.050570432	0.002322561	121.5535736	0.003988518	0.006164211	1.7273E-05	0.000598627	0.000246224	0.370694339	8.45936E-06	0.001775116	0.000328709	0.000669846	0.001676254
2032 Dec	0.000586824	0.004645385	6.40811E-06	9.819940567	4.611084938	0.057609163	0.002606522	148.243454	0.004836434	0.007758223	1.85499E-05	0.00060428	0.000269524	0.412960678	1.10841E-05	0.001958868	0.00037022	0.000767775	0.002025853
2033 Jan	0.000587235	0.004648086	6.40892E-06	9.824769974	4.614485741	0.057762407	0.002606759	148.3443604	0.004839511	0.007786992	1.85662E-05	0.000604251	0.000269553	0.413846433	1.11395E-05	0.001959343	0.000370236	0.000768631	0.002026677
2033 Feb	0.00058743	0.004649384	6.40924E-06	9.826602936	4.616148472	0.057841629	0.002606768	148.3864594	0.004840746	0.007801839	1.85744E-05	0.000604235	0.000269558	0.414306283	1.11682E-05	0.001959507	0.000370223	0.000769046	0.002026946
2033 Mar	0.000587536	0.004650091	6.40942E-06	9.827602386	4.617054462	0.057884824	0.002606774	148.4094238	0.004841419	0.007809934	1.85788E-05	0.000604226	0.00026956	0.41455701	1.11839E-05	0.001959596	0.000370216	0.000769271	0.002027092
2033 Apr	0.000587596	0.004650494	6.40952E-06	9.828170776	4.617569923	0.057909392	0.002606777	148.4224854	0.004841802	0.007814538	1.85814E-05	0.000604221	0.000269562	0.414699584	1.11928E-05	0.001959647	0.000370212	0.0007694	0.002027175
2033 May	0.000851685	0.00620971	7.22189E-06	14.90140057	6.483535767	0.113238685	0.003428649	236.3803558	0.007867676	0.018921914	2.58866E-05	0.000612439	0.000339459	0.738336205	3.14014E-05	0.00256998	0.000486376	0.001237268	0.003053193
2033 Jun	0.002567541	0.041704308	3.28702E-05	32.50177765	21.36733055	0.269124538	0.010506388	477.9405518	0.016120831	0.028733613	0.000182121	0.003242149	0.001182132	1.916446209	3.87936E-05	0.008364506	0.001622227	0.003278596	0.006165512
2033 Jul	0.002672029	0.039770246	3.74215E-05	34.25097656	23.08131218	0.265900075	0.011230144	490.0302124	0.016317815	0.023258584	0.000166435	0.003704956	0.001328926	1.9510324	3.97284E-05	0.00928507	0.001573984	0.003271268	0.006562002
2033 Aug	0.0013835	0.016729401	2.02808E-05	18.74210358	12.31480694	0.134424478	0.005993173	265.8001099	0.0086558	0.010459019	6.64945E-05	0.002002912	0.000730379	1.01026988	1.4566E-05	0.005061512	0.000736399	0.001628963	0.003592661
2033 Sep	0.002016683	0.020187752	2.69273E-05	27.9891758	16.97199249	0.19383426	0.008704288	402.8969727	0.013653248	0.01925054	6.54422E-05	0.002614812	0.000996666	1.444559216	2.63409E-05	0.007061318	0.001137672	0.002450292	0.00579123
2033 Oct	0.003649542	0.027697865	2.97367E-05	64.47686005	27.96335793	0.473606706	0.015083076	1034.031982	0.034018252	0.083414257	0.000100406	0.00247798	0.001466554	3.153422594	0.000138871	0.010818457	0.001908571	0.005167108	0.012494181
2033 Nov	0.003706959	0.027474301	2.84092E-05	65.94835663	28.193573	0.506469488	0.015009489	1066.524048	0.035102088	0.091340989	0.000102044	0.002302604	0.001440233	3.326373816	0.000153951	0.010724342	0.001905801	0.005353794	0.012798805
2033 Dec	0.003706662	0.027470177	2.83984E-05	65.93785858	28.19153023	0.506731868	0.015003816	1066.422363	0.03509957	0.091391295	0.000102051	0.002301285	0.001439713	3.327614546	0.000154058	0.010721546	0.001905186	0.005354364	0.012796969
2034 Jan	0.00370631	0.027467098	2.83917E-05	65.92481995	28.18964195	0.506887257	0.014999345	1066.257813	0.035093531	0.091420613	0.000102053	0.002300603	0.001439307	3.328404665	0.000154122	0.010719017	0.001904577	0.005354363	0.012794133
2034 Feb	0.003706128	0.027465504	2.83882E-05	65.91808319	28.18866539	0.506967723	0.014997031	1066.172607	0.035090405	0.09143579	0.000102055	0.002300249	0.001439096	3.328813791	0.000154155	0.010717709	0.001904262	0.005354362	0.012792666
2034 Mar	0.003706029	0.027464636	2.83863E-05	65.91439819	28.18813133	0.507011533	0.01499577	1066.126221	0.035088703	0.091444053	0.000102055	0.002300057	0.001438982	3.329036474	0.000154173	0.010716995	0.00190409	0.005354362	0.012791866
2034 Apr	0.003705973	0.02746414	2.83853E-05	65.91231537	28.18782997	0.507036448	0.014995052	1066.099854	0.035087734	0.091448762	0.000102056	0.002299947	0.001438916	3.329163074	0.000154183	0.01071659	0.001903993	0.005354361	0.012791411
2034 May	0.003704124	0.027145572	2.73514E-05	65.20392609	28.1642189	0.531480491	0.01465126	1062.200806	0.034939338	0.096964367	0.000102897	0.002186343	0.001397008	3.462857723	0.00016509	0.01046584	0.001850858	0.005419906	0.012598467
2034 Jun	0.003175138	0.055956401	3.03266E-05	32.36218643	22.36718559	0.322700769	0.012476194	500.6486206	0.019142147	0.04937841	0.000262537	0.003159364	0.001061784	2.259269714	5.43329E-05	0.008086154	0.002799638	0.004541312	0.006968373
2034 Jul	0.003071301	0.04147714	3.80727E-05	35.10022736	24.45646095	0.279326648	0.013070253	513.3907471	0.018681018	0.029819395	0.000186607	0.003911542	0.001343292	2.079591751	2.92638E-05	0.009687833	0.002346043	0.004012206	0.007152248
2034 Aug	0.000858548	0.009313769	1.15637E-05	10.45143223	7.241402149	0.077338658	0.003761775	152.1720734	0.005281963	0.007010583	4.01128E-05	0.001178853	0.000412405	0.590411007	7.23302E-06	0.00291297	0.000586596	0.001070478	0.001976938
2034 Sep	0.002447725	0.023805263	2.81154E-05	29.18614197	18.75341988	0.211178556	0.010700895	433.0397034	0.016269624	0.025773704	9.8268E-05	0.002875975	0.001037105	1.596375585	2.51423E-05	0.007615717	0.00191879	0.003208597	0.006181275
2034 Oct	0.003376393	0.031844098	3.41471E-05	43.01693726	24.79805565	0.313861281	0.014563018	654.3143921	0.025186718	0.045627773	0.000130826	0.003382126	0.001347856	2.263194561	5.34038E-05	0.010121892	0.002660118	0.00462198	0.00938313
2034 Nov	0.00343782	0.031823136	3.38273E-05	45.09687424	25.12193871	0.324552089	0.014844224	689.8997803	0.026598915	0.048513692	0.000130515	0.003306092	0.001368957	2.314908981	5.89474E-05	0.010307381	0.0026867	0.004743733	0.009814557
2034 Dec	0.003438327	0.031820938	3.38206E-05	45.11759567	25.12454796	0.324758321	0.014845004	690.2719727	0.026615046	0.048558667	0.000130508	0.003304732	0.001369049	2.315805674	5.90424E-05	0.010308855	0.002686725	0.004745252	0.009819206
2035 Jan	0.003438897	0.031820703	3.38177E-05	45.13824463	25.12727547	0.324864239	0.014847443	690.6176147	0.026631199	0.04858309	0.000130504	0.003303873	0.001369282	2.31619072	5.90927E-05	0.010311149	0.002687095	0.00474658	0.009824047
2035 Feb	0.003438869	0.031819507	3.38154E-05	45.1379776	25.12725258	0.324926943	0.014846482	690.6295776	0.02663148	0.048595987	0.000130502	0.003303553	0.001369201	2.316507816	5.91207E-05	0.010310694	0.002686893	0.00474672	0.009823869
2035 Mar	0.003438829	0.031818777	3.3814E-05	45.13712311	25.12713242	0.324961752	0.014845789	690.6251831	0.026631014	0.048603039	0.0001305	0.003303389	0.001369141	2.31668973	5.91361E-05	0.010310319	0.002686752	0.004746754	0.009823593
2035 Apr	0.003438806	0.03181836	3.38132E-05	45.13663101	25.12706184	0.32498154	0.014845395	690.6227417	0.02663075	0.048607048	0.0001305	0.003303295	0.001369107	2.316793203	5.91449E-05	0.010310108	0.002686673	0.004746774	0.009823436
2035 May	0.003445433	0.031699017	3.35262E-05	45.31882477	25.18562889	0.332535475	0.014800487	695.7788696	0.026750999	0.050416324	0.00013027	0.003266362	0.001362772	2.359833717	6.28032E-05	0.010270367	0.002665809	0.004771187	0.009825792
2035 Jun	0.003261478	0.052769322	2.77657E-05	28.50147057	21.38638496	0.308603048	0.012966458	457.4334106	0.018908331	0.052749921	0.000260403	0.003069439	0.000935164	2.200724363	4.8742E-05	0.007459577	0.003367784	0.004945052	0.006190925
2035 Jul	0.003005011	0.045614157	2.81662E-05	25.76360512	19.91264343	0.254448026	0.012360325	396.4693604	0.016812846	0.040124439	0.000227166	0.003147445	0.000927702	1.888016224	2.84765E-05	0.007315079	0.003173758	0.004484579	0.006004756
2035 Aug	0.002019404	0.024491359	2.37595E-05	21.41789246	15.36645985	0.176138788	0.008617303	315.6399536	0.011931672	0.020780254	0.000112517	0.0024972	0.000824413	1.336690784	1.7812E-05	0.006052425	0.001682009	0.002718784	0.004442801
2035 Sep	0.002828588	0.029271565	3.56053E-05	34.38835144	22.56624603	0.247135639	0.012327377	502.2291565	0.018738516	0.025620215	0.000110983	0.00355706	0.001299305	1.866850257	2.66307E-05	0.009354471	0.002002206	0.003607312	0.006873539
2035 Oct	0.003191667	0.033854831	3.7293E-05	38.76918793	24.72116661	0.289627463	0.013700351	578.5939331	0.021920517	0.035174601	0.000122336	0.003683129	0.001388191	2.143046141	3.99728E-05	0.010103118	0.002295652	0.004173706	0.007707135
2035 Nov	0.003316785	0.0335466	3.61855E-05	42.11903763	25.37651443	0.317758471	0.014202639	640.3469238	0.024384473	0.043181717	0.0001222	0.003504958	0.001410178	2.299890518	5.47814E-05	0.010316024	0.002328454	0.004420527	0.008350212
2035 Dec	0.003317581	0.033541657	3.61732E-05	42.14463043	25.37998772	0.318081677	0.014203818	640.8265991	0.024409048	0.043254822	0.000122195	0.003502748	0.001410241	2.301303864	5.49306E-05	0.010317899	0.002328678	0.004422978	0.008356544
2036 Jan	0.003317606	0.033539608	3.61692E-05	42.14613342	25.3801136	0.31818077	0.014202747	640.8754883	0.024411084	0.043276139	0.000122194	0.003502188	0.001410134	2.301789761	5.49753E-05	0.010317418	0.002328484	0.004423339	0.008356877
2036 Feb	0.003317556	0.033538349	3.61669E-05	42.14509201	25.37990761	0.318234086	0.014201752	640.8731689	0.02441057	0.043287281	0.000122192	0.003501922	0.00141004	2.302066565	5.4999E-05	0.010316852	0.002328302	0.004423419	0.008356585
2036 Mar	0.003317529	0.033537664	3.61657E-05	42.14453125	25.37979507	0.318262964	0.014201213	640.8719482	0.024410294	0.043293316	0.000122192	0.003501778	0.001409989	2.302216768	5.50119E-05	0.010316544	0.002328204	0.004423463	0.008356428
2036 Apr	0.003320717	0.033539291	3.61565E-05	42.21802902	25.39541626	0.318541169	0.014219199	642.1277466	0.024476526	0.043391485	0.000122195	0.003499259	0.001411226	2.303614616	5.51784E-05	0.010326599	0.002330516	0.004428946	0.008372173
2036 May	0.003328888	0.033532143	3.61102E-05	42.40433121	25.43697357	0.319776088	0.014259197	645.4828491	0.024639903	0.04377193	0.000122196	0.003490491	0.001413559	2.310388803	5.58592E-05	0.010346396	0.002334573	0.004443819	0.008409289
2036 Jun	0.003057059	0.043242529	3.45873E-05	33.7370491	22.89802933	0.291709661	0.012468963	504.399231	0.019250933	0.038720563	0.000155804	0.00343312	0.00121695	2.124143124	4.36493E-05	0.008940683	0.002321386	0.004223029	0.006997399
2036 Jul	0.002817862	0.039892659	3.38799E-05	31.02728844	21.60918045	0.267099679	0.011516885	457.8774414	0.016925748	0.033074245	0.000141181	0.003379648	0.001166606	1.978481412	3.68634E-05	0.008440576	0.002064214	0.003867202	0.006388044
2036 Aug	0.00112473	0.012011264	1.68279E-05	14.32168198	9.863575935	0.102353737	0.004885822	204.0564117	0.006853447	0.007116704	4.10157E-05	0.001663634	0.00059596	0.7916134	8.84264E-06	0.004096444	0.000621945	0.001346475	0.002602237
2036 Sep	0.001456676	0.014515247	2.06798E-05	19.21323967	12.45613575	0.12969555	0.006416551	275.0625	0.009905127	0.01010031	4.66844E-05	0.002006143	0.000764788	0.988337219	1.30452E-05	0.005317365	0.000818242	0.001747236	0.003700409
2036 Oct	0.003061998	0.032212581	4.09145E-05	39.45592499	25.49976921	0.294300556	0.013036396	572.8394775	0.021053137	0.028551828	9.96733E-05	0.003925112	0.001514803	2.170526505	3.95521E-05	0.010677613	0.001748905	0.003795672	0.007783647
2036 Nov	0.003243014	0.032202251	3.97368E-05	43.40925598	26.29657364	0.319021612	0.013929849	644.4102173	0.024729401	0.036588375	0.00010131	0.00372044	0.001558609	2.298004389	5.32117E-05	0.011097074	0.001885175	0.004144436	0.008615089
2036 Dec	0.003291679	0.032177538	3.93656E-05	44.4690094	26.50864601	0.326804429	0.014155426	663.9368286	0.025727373	0.039007537	0.00010177	0.00365886	0.001568572	2.338056564	5.74014E-05	0.011200195	0.00191985	0.004242005	0.008837209
2037 Jan	0.003291646	0.032172043	3.93521E-05	44.46761703	26.5079155	0.327085197	0.014151579	663.9959717	0.025729526	0.039070453	0.000101775	0.003657234	0.001568115	2.339465618	5.75281E-05	0.011197777	0.001919355	0.004242922	0.008836807
2037 Feb	0.003291512	0.032168832	3.9345E-05	44.46411514	26.507061	0.327233136	0.014148789	663.9838257	0.025727762	0.039102852	0.000101777	0.003656446	0.001567811	2.340235949	5.75943E-05	0.011195968	0.001918944	0.004243192	0.008835871
2037 Mar	0.003291438	0.032167077	3.93411E-05	44.46220398	26.5065937	0.3273139	0.014147268	663.9771729	0.025726801	0.039120544	0.000101778	0.003656016	0.001567645	2.340656757	5.76304E-05	0.01119498	0.001918719	0.004243339	0.00883536
2037 Apr	0.003291396	0.032166082	3.93388E-05	44.46111298	26.50632668	0.327359885	0.014146401	663.9733887	0.025726253	0.039130613	0.000101778	0.003655771	0.001567551	2.34089613	5.7651E-05	0.011194416	0.001918592	0.004243424	0.00883507
2037 May	0.003258402	0.030236451	3.47119E-05	43.15003204	26.30130386	0.421721965	0.012747657	673.3355713	0.024786813	0.061520811	0.000103283	0.003170367	0.00138696	2.869331598	0.000101743	0.010058768	0.001664572	0.004440772	0.008273001
2037 Jun	0.003311903	0.070527233	3.03077E-05	32.23821259	23.39909554	0.365138978	0.012419702	514.8011475	0.01973897	0.058540534	0.000316076	0.003056816	0.001071384	2.501793385	7.22266E-05	0.007904554	0.002734835	0.004790821	0.00555583
2037 Jul	0.002776322	0.042499531	3.39979E-05	31.0845871	22.25161934	0.267226368	0.01150639	446.4530945	0.016631126	0.031052504	0.000175132	0.003418675	0.001209627	1.981029272	3.63549E-05	0.008413757	0.001948029	0.003672308	0.004651714
2037 Aug	0.000782477	0.008682039	1.15387E-05	9.879426956	6.962104797	0.072047085	0.003422406	133.0695953	0.004771332	0.005247183	3.27716E-05	0.001147045	0.000415084	0.55724138	6.69707E-06	0.002800711	0.000436668	0.000936257	0.001376222
2037 Sep	0.000698175	0.00793106	9.67054E-06	8.495921135	6.01812458	0.066500425	0.002987744	116.8683929	0.0042084	0.006083531	2.8907E-05	0.000964023	0.000346633	0.50807023	7.79573E-06	0.002362158	0.000409005	0.000856896	0.001198656
2037 Oct	0.001045722	0.010112064	1.01906E-05	13.15750408	8.250855446	0.13032639	0.004191966	204.1573792	0.00791729	0.020687336	3.81779E-05	0.000948375	0.000421622	0.901572466	3.26784E-05	0.003017423	0.000588784	0.001445454	0.002094438
2037 Nov	0.001152809	0.0106182	1.03878E-05	14.70356274	9.005336761	0.15202029	0.004555356	232.9844666	0.009011562	0.025539376	4.07577E-05	0.000948313	0.000446647	1.038163185	4.12707E-05	0.003219633	0.000625263	0.00162083	0.002364004
2037 Dec	0.00115849	0.010647056	1.04111E-05	14.79906368	9.038279533	0.152466267	0.004584272	234.5215759	0.009110034	0.025633769	4.08533E-05	0.000948275	0.000449242	1.040245056	4.14205E-05	0.003241062	0.000630341	0.001630383	0.002387453
2038 Jan	0.001159035	0.010649911	1.04116E-05	14.80549335	9.042599678	0.152668774	0.004584634	234.6572113	0.009115177	0.025671892	4.08725E-05	0.000948144	0.000449286	1.041384339	4.14945E-05	0.003241814	0.000630392	0.001631562	0.002388769
2038 Feb	0.001159247	0.010651026	1.04116E-05	14.80753613	9.044464111	0.152773172	0.004584384	234.7078857	0.009116431	0.025691444	4.08816E-05	0.000948074	0.000449269	1.041980028	4.15329E-05	0.003241885	0.000630339	0.001632059	0.002389118
2038 Mar	0.001159362	0.010651635	1.04116E-05	14.80865097	9.045480728	0.152830124	0.004584247	234.7355347	0.009117115	0.02570211	4.08866E-05	0.000948036	0.000449259	1.042304993	4.15538E-05	0.003241923	0.00063031	0.00163233	0.002389308
2038 Apr	0.001159427	0.010651981	1.04115E-05	14.80928421	9.046058655	0.152862474	0.004584169	234.751236	0.009117504	0.025708167	4.08894E-05	0.000948014	0.000449254	1.042489529	4.15657E-05	0.003241945	0.000630293	0.001632484	0.002389416
2038 May	0.001284958	0.011248044	1.03975E-05	16.23934174	10.09487534	0.199965805	0.00468627	267.0064087	0.009736136	0.035468426	4.52727E-05	0.000932951	0.000449397	1.333854556	5.98851E-05	0.003283596	0.000609346	0.001868431	0.002558695
2038 Jun	0.002827249	0.063107699	2.60853E-05	26.05140305	20.05818939	0.318713695	0.01037162	398.2392883	0.015580999	0.051025499	0.000284791	0.002676684	0.000884075	2.189535379	6.23976E-05	0.006483225	0.002364349	0.004117101	0.004043045
2038 Jul	0.00115507	0.017749822	1.38874E-05	12.31143665	9.105167389	0.110635616	0.004752566	163.8038788	0.006719061	0.013256785	7.42155E-05	0.001413936	0.000484379	0.820379853	1.46285E-05	0.003398978	0.00086427	0.001567365	0.001821922
2038 Aug	0.000675156	0.00790407	9.4339E-06	8.216073036	5.852801323	0.063718297	0.002908922	102.8165283	0.004034784	0.005712436	3.01279E-05	0.000942487	0.000338339	0.490125567	7.2596E-06	0.002291674	0.000392737	0.000826026	0.001139475
2038 Sep	0.000923973	0.01068732	1.28531E-05	11.11231327	7.967758179	0.087941028	0.00394342	138.6453094	0.005503761	0.00797067	3.87639E-05	0.001282422	0.000458247	0.672475517	1.01251E-05	0.00312089	0.000542199	0.001133618	0.001554935
2038 Oct	0.00076476	0.008828703	9.77779E-06	8.900120735	6.363564968	0.078179702	0.003164983	115.7403183	0.004706445	0.008739328	3.17174E-05	0.000968504	0.000351062	0.57844156	1.17455E-05	0.002436941	0.000469198	0.000980195	0.001295115
2038 Nov	0.00078992	0.008949128	9.8406E-06	9.254475594	6.53018856	0.082128301	0.003266719	122.1620026	0.005017179	0.009636223	3.22541E-05	0.000968662	0.000358771	0.602719426	1.32939E-05	0.002498832	0.000482186	0.001020997	0.001363828
2038 Dec	0.000793088	0.008965265	9.85267E-06	9.300416946	6.549112797	0.08246164	0.003281554	122.9296494	0.005070192	0.009703929	3.23128E-05	0.000968551	0.000360113	0.604362011	1.34086E-05	0.002510155	0.000484807	0.001026487	0.001375199
2039 Jan	0.000794129	0.008970572	9.85632E-06	9.314613342	6.55553627	0.082598858	0.003286013	123.1738434	0.005086788	0.00973134	3.23338E-05	0.000968494	0.000360516	0.605068028	1.34568E-05	0.00251363	0.000485589	0.001028332	0.001378663
2039 Feb	0.000794662	0.008973292	9.85819E-06	9.32137394	6.558833599	0.082669787	0.00328829	123.2912445	0.005095278	0.009745503	3.23446E-05	0.000968465	0.000360723	0.605433583	1.34817E-05	0.002515407	0.000485988	0.001029278	0.001380324

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.000794945	0.008974735	9.85917E-06	9.324951172	6.560588837	0.082708351	0.003289483	123.3535843	0.005099751	0.00975319	3.23504E-05	0.000968448	0.000360831	0.60563314	1.34953E-05	0.00251634	0.000486196	0.001029781	0.0013812
2039 Apr	0.000795	0.008975016	9.85921E-06	9.325558662	6.56102562	0.082728826	0.003289519	123.3670273	0.005100231	0.009757106	3.23523E-05	0.000968436	0.000360834	0.605749905	1.35028E-05	0.002516406	0.000486199	0.001029898	0.001381316
2039 May	0.000802099	0.009005408	9.86419E-06	9.421123505	6.613925457	0.08422526	0.003314055	125.2901382	0.005143683	0.010134848	3.25227E-05	0.000969114	0.000361944	0.616462171	1.41506E-05	0.002522906	0.000486891	0.00103981	0.001391467
2039 Jun	0.003360331	0.037360359	4.69068E-05	39.53925705	28.89609146	0.330605865	0.014172282	455.4766235	0.020224994	0.030113991	0.000139099	0.004682541	0.001648135	2.48050189	3.8306E-05	0.01136669	0.002095106	0.004341522	0.005664277
2039 Jul	0.003391922	0.041304875	4.16404E-05	37.16968155	27.34326935	0.346325397	0.013878249	457.8228149	0.019840706	0.042790338	0.000153314	0.004199743	0.001447748	2.575418949	5.34278E-05	0.010153722	0.002324876	0.004635006	0.005404824
2039 Aug	0.002194885	0.02633705	2.77722E-05	24.06882477	17.75913048	0.213644072	0.009065474	285.8045349	0.012877991	0.024332641	9.52239E-05	0.002790464	0.000964176	1.603932023	2.88678E-05	0.006751279	0.001495815	0.002917426	0.003519307
2039 Sep	0.000792114	0.008067858	1.17079E-05	9.750212669	7.021663189	0.073217191	0.003435671	105.8530426	0.004719223	0.005447427	2.71868E-05	0.001165093	0.000415669	0.569211245	6.89408E-06	0.002814929	0.000438659	0.000947192	0.001345721
2039 Oct	0.000703742	0.006760221	1.00155E-05	8.792552948	6.230123997	0.070299059	0.003017173	99.44953918	0.004393022	0.006267785	2.31839E-05	0.000987213	0.000363312	0.532754481	9.11634E-06	0.002469063	0.000370296	0.000854122	0.001226942
2039 Nov	0.000715658	0.006824062	1.00637E-05	8.947684288	6.298018456	0.071136981	0.003079126	102.0191345	0.004599962	0.006452178	2.33929E-05	0.000987165	0.000368781	0.536606073	9.39679E-06	0.002514041	0.000381268	0.000873976	0.001266241
2039 Dec	0.000717238	0.006832675	1.00696E-05	8.967814445	6.307364941	0.071300656	0.003086531	102.363266	0.004626255	0.006485789	2.34244E-05	0.000987107	0.000369442	0.537412465	9.45303E-06	0.002519631	0.000382599	0.000876716	0.00127131
2040 Jan	0.000718091	0.006837321	1.00728E-05	8.9781847	6.312413692	0.071390018	0.003090509	102.541687	0.004640402	0.006504119	2.34414E-05	0.000987075	0.000369797	0.537853897	9.48378E-06	0.002522637	0.000383314	0.000878196	0.001273935
2040 Feb	0.000718678	0.006840497	1.00751E-05	8.98484993	6.315797806	0.071438938	0.003093436	102.654541	0.004650521	0.006514376	2.34523E-05	0.000987062	0.000370058	0.538082063	9.50017E-06	0.00252482	0.000383842	0.000879195	0.001275671
2040 Mar	0.000719024	0.006842366	1.00765E-05	8.98878479	6.317778587	0.071465835	0.003095192	102.7207336	0.004656546	0.006520059	2.34585E-05	0.000987056	0.000370215	0.538204849	9.50909E-06	0.002526124	0.000384158	0.000879782	0.001276701
2040 Apr	0.000719329	0.006844006	1.00778E-05	8.99228096	6.319478035	0.071482502	0.003096851	102.777977	0.004662087	0.006523747	2.34636E-05	0.000987056	0.000370363	0.538270593	9.51429E-06	0.002527341	0.000384459	0.000880289	0.001277634
2040 May	0.00076858	0.007115887	1.01045E-05	9.55589962	6.699965477	0.08724872	0.003172869	115.2312775	0.005030238	0.009779249	2.51602E-05	0.000980857	0.000374221	0.63368988	1.55673E-05	0.002575584	0.000388324	0.000972996	0.001364853
2040 Jun	0.002341949	0.051566184	2.21331E-05	21.38745689	16.77667236	0.267485946	0.008544087	290.3617554	0.012581596	0.042210456	0.00023341	0.002280567	0.000737134	1.841696143	5.18839E-05	0.005396413	0.001947181	0.003428004	0.003270199
2040 Jul	0.001306654	0.020849619	1.53185E-05	13.74099541	10.24316311	0.129612535	0.005307446	159.7371216	0.007684985	0.016276475	8.76675E-05	0.001549861	0.000537709	0.948502421	1.9066E-05	0.003779394	0.000963053	0.001781223	0.002027363
2040 Aug	0.000810489	0.008690965	1.20444E-05	10.05046654	7.23207283	0.074748293	0.003544597	99.00597382	0.004937106	0.005344667	3.20913E-05	0.001196826	0.000431867	0.578674912	6.84841E-06	0.002916269	0.000450307	0.000973034	0.001384916
2040 Sep	0.000774072	0.007931924	1.17967E-05	9.634944916	6.978470325	0.071063317	0.003385765	92.28871155	0.00466209	0.004518938	2.86982E-05	0.001173437	0.000419562	0.551119387	5.70256E-06	0.002834782	0.000426435	0.000920113	0.001327404
2040 Oct	0.000442743	0.003957401	5.61243E-06	5.547513485	3.885401011	0.054484885	0.001795326	64.62361908	0.002910309	0.006685111	1.49955E-05	0.000543527	0.000210901	0.39043504	1.11288E-05	0.001448381	0.000206771	0.000565824	0.000777973
2040 Nov	0.000471775	0.004119147	5.72025E-06	5.889570713	4.071742058	0.0581326	0.001923066	70.70256805	0.003304126	0.007481354	1.56311E-05	0.000546071	0.000221485	0.411972106	1.24642E-05	0.001533619	0.000225982	0.000612884	0.000849742
2040 Dec	0.000475503	0.004140181	5.73745E-06	5.932155132	4.093619823	0.058418281	0.001941935	71.40596771	0.003367161	0.007539286	1.57007E-05	0.000546293	0.000223199	0.41331774	1.25542E-05	0.001547717	0.000229352	0.000619105	0.000860642
2041 Jan	0.000477342	0.004150595	5.74583E-06	5.952181816	4.104511261	0.058571294	0.001951061	71.74043274	0.003397866	0.007570091	1.5736E-05	0.000546398	0.000224029	0.41405496	1.26031E-05	0.001554565	0.000230979	0.000622191	0.000865768
2041 Feb	0.000478102	0.004154938	5.74918E-06	5.959915161	4.109116554	0.058647428	0.001954638	71.87297058	0.003410135	0.007585196	1.57515E-05	0.000546437	0.000224354	0.414438039	1.26282E-05	0.001557279	0.000231615	0.000623484	0.000867728
2041 Mar	0.000478617	0.004157851	5.75152E-06	5.96513176	4.112164974	0.058690518	0.001957186	71.96070862	0.003418712	0.007593866	1.57613E-05	0.000546466	0.000224586	0.414646059	1.2642E-05	0.001559191	0.000232069	0.000624348	0.000869076
2041 Apr	0.000479075	0.004160415	5.75371E-06	5.969761848	4.114792824	0.058717739	0.001959627	72.03636169	0.003426726	0.007599533	1.57693E-05	0.000546497	0.000224807	0.414763391	1.26501E-05	0.001560997	0.000232506	0.000625102	0.000870307
2041 May	0.000580921	0.004718201	6.2091E-06	7.035121441	4.710138321	0.065080628	0.002502037	89.77988434	0.005095944	0.009083194	1.75467E-05	0.00055577	0.000271863	0.447575122	1.478E-05	0.00193574	0.000322979	0.000786462	0.001128575
2041 Jun	0.002873319	0.036453895	3.43056E-05	30.35149193	22.81699181	0.303137779	0.011529179	330.9206848	0.016772468	0.038932957	0.000139863	0.003466863	0.001177828	2.213204622	4.86884E-05	0.008370053	0.002071737	0.004058491	0.004495003
2041 Jul	0.002373913	0.031873293	2.4951E-05	23.53926659	17.76346588	0.253549576	0.0093542	280.5326233	0.013372374	0.0391366	0.00012168	0.002567132	0.000846062	1.858351231	4.77851E-05	0.006111498	0.001839605	0.003486125	0.003504193
2041 Aug	0.000945838	0.009313129	1.44629E-05	11.79396534	8.527196884	0.085142031	0.004178695	101.7990265	0.005793571	0.005328227	3.23233E-05	0.001435447	0.000516648	0.665654063	6.59732E-06	0.003487877	0.000521894	0.00113453	0.001622766
2041 Sep	0.000885959	0.008300727	1.4136E-05	11.3398838	8.200866699	0.080313191	0.003926978	93.93908691	0.005333103	0.004080395	2.8624E-05	0.001404616	0.000502782	0.630607247	5.3492E-06	0.003374856	0.000457659	0.001031031	0.00153639
2041 Oct	0.001071724	0.010115744	1.61264E-05	13.40074348	9.673231125	0.101582401	0.004678683	118.4338531	0.00664218	0.007148691	3.50291E-05	0.001595778	0.000579863	0.780900121	9.89523E-06	0.003926522	0.000571468	0.001282271	0.001851387
2041 Nov	0.001091557	0.010214182	1.6164E-05	13.60931778	9.791273117	0.104133286	0.004766561	122.5658569	0.006940876	0.007746984	3.54285E-05	0.001592795	0.000586639	0.795212805	1.09053E-05	0.003983646	0.000585344	0.001315998	0.001898832
2041 Dec	0.001094826	0.010230947	1.61756E-05	13.64148903	9.808660507	0.104304239	0.004784491	123.1290131	0.007002581	0.007788161	3.54792E-05	0.001592461	0.000588206	0.795815647	1.09634E-05	0.003996674	0.000588644	0.001321527	0.001907995
2042 Jan	0.001095736	0.010235635	1.61782E-05	13.65026665	9.813718796	0.104387641	0.004788952	123.2928696	0.00701883	0.007806537	3.54956E-05	0.001592319	0.000588592	0.796195328	1.09935E-05	0.003999977	0.000589466	0.001323127	0.001910431
2042 Feb	0.001096086	0.01023744	1.61791E-05	13.65332031	9.815719604	0.104429416	0.004790522	123.3536224	0.007024819	0.007815476	3.55025E-05	0.001592252	0.000588726	0.796398818	1.10089E-05	0.004001158	0.000589756	0.001323759	0.001911276
2042 Mar	0.00109642	0.010239152	1.61802E-05	13.65617561	9.817534447	0.104453847	0.004792246	123.4064865	0.007030925	0.007821023	3.55081E-05	0.001592208	0.000588876	0.796501696	1.10175E-05	0.004002422	0.000590073	0.001324334	0.001912103
2042 Apr	0.001097784	0.010246132	1.61857E-05	13.6676321	9.824531555	0.104481287	0.004800386	123.5994644	0.00705784	0.00782974	3.55265E-05	0.001592128	0.000589592	0.796493471	1.10247E-05	0.004008262	0.00059157	0.001326569	0.001915587
2042 May	0.001120568	0.0103565291	1.61769E-05	13.90918159	9.979763031	0.110124849	0.004862482	129.2128906	0.007294444	0.009095774	3.6155E-05	0.00158611	0.000592956	0.830654085	1.33068E-05	0.004041181	0.000598154	0.00136755	0.001957042
2042 Jun	0.002529377	0.031409092	3.1212E-05	27.4489994	20.54467583	0.268649846	0.010190667	283.6671143	0.01440616	0.033104356	0.000121165	0.003162768	0.001071563	1.977799416	4.23995E-05	0.007524455	0.001730639	0.003480004	0.003953256
2042 Jul	0.001723868	0.021522056	2.09038E-05	18.38370895	13.73333836	0.172457665	0.007064396	183.9682465	0.00998656	0.021684321	8.00785E-05	0.002118346	0.000723019	1.289241433	2.60489E-05	0.005082416	0.001220214	0.002372827	0.002665865
2042 Aug	0.001887636	0.020411815	2.47995E-05	21.367033	15.7450695	0.184258476	0.007931221	195.3607178	0.011170319	0.019715644	7.28383E-05	0.002482297	0.000873809	1.398083925	2.46399E-05	0.006034748	0.001187624	0.002423714	0.003023151
2042 Sep	0.001004088	0.010126525	1.449E-05	11.96124172	8.77432251	0.094410621	0.004313524	98.47937012	0.005972219	0.00766394	3.48835E-05	0.00144334	0.000511593	0.726557195	9.57444E-06	0.003488928	0.000582284	0.001226592	0.001663342
2042 Oct	0.001107896	0.010814695	1.57905E-05	13.38848686	9.737375259	0.10825143	0.004745926	113.8882751	0.006738381	0.009447863	3.69734E-05	0.00156569	0.000565564	0.825656235	1.2955E-05	0.003850738	0.000610355	0.001348032	0.001852249
2042 Nov	0.001121182	0.010880422	1.58316E-05	13.50821781	9.811160088	0.109213851	0.004815497	116.129425	0.006971746	0.009682714	3.71921E-05	0.001564368	0.000571426	0.830211699	1.33162E-05	0.003899078	0.000622347	0.001370204	0.001883991
2042 Dec	0.001123335	0.010891279	1.58395E-05	13.5266428	9.82264328	0.109321609	0.004827404	116.4592514	0.007012681	0.009708587	3.72248E-05	0.001564162	0.000572474	0.830577016	1.33524E-05	0.003907766	0.000624528	0.001373839	0.001889431
2043 Jan	0.001124314	0.010896215	1.58429E-05	13.53489494	9.827912331	0.109378457	0.004832701	116.6094894	0.007031091	0.009721857	3.72402E-05	0.001564058	0.00057294	0.830789447	1.33719E-05	0.003911647	0.000625498	0.001375505	0.001891861
2043 Feb	0.00112448	0.010897051	1.58432E-05	13.53622818	9.828904152	0.109404109	0.00483336	116.6384277	0.007033797	0.009727182	3.72438E-05	0.001564019	0.000572996	0.8309201	1.33814E-05	0.003912161	0.000625619	0.001375814	0.001892224
2043 Mar	0.001124509	0.010897196	1.58432E-05	13.53651619	9.82913208	0.109417446	0.004833344	116.6468124	0.007034042	0.009729814	3.7245E-05	0.001564	0.000572994	0.830995202	1.33865E-05	0.003912172	0.000625616	0.001375883	0.001892281
2043 Apr	0.001124528	0.010897294	1.58431E-05	13.5367012	9.829275131	0.10942506	0.004833353	116.6519241	0.007034237	0.009731323	3.72457E-05	0.00156399	0.000572994	0.831037819	1.33894E-05	0.00391219	0.000625617	0.001375927	0.00189232
2043 May	0.001145394	0.010992926	1.57996E-05	13.77235317	9.987545967	0.116799086	0.004858564	122.7174683	0.007181999	0.011331607	3.79513E-05	0.001556155	0.000572931	0.876001596	1.63601E-05	0.003920422	0.000624658	0.001416186	0.001925529
2043 Jun	0.002429235	0.042788874	2.83724E-05	25.09200096	19.16083717	0.260137022	0.009472788	247.7907104	0.013523183	0.032847617	0.000185801	0.002874927	0.000972215	1.859371066	4.09435E-05	0.006839698	0.001754504	0.003299823	0.003649622
2043 Jul	0.001583318	0.023902521	1.98654E-05	17.04920959	12.85037994	0.158745751	0.006436375	152.9384155	0.00905265	0.017930925	9.88155E-05	0.002006769	0.000688782	1.169031501	2.15404E-05	0.0047941	0.001097484	0.002099035	0.002447323
2043 Aug	0.000938165	0.010415189	1.32335E-05	11.12760448	8.15514183	0.089637496	0.00402121	87.68960571	0.005589806	0.007883447	3.90109E-05	0.001321463	0.00047089	0.68636018	1.0092E-05	0.00320266	0.000547515	0.00115593	0.001533782
2043 Sep	0.000992231	0.009837619	1.51622E-05	12.29582214	8.972333908	0.090897217	0.004359331	86.78117371	0.006053741	0.005702214	3.52756E-05	0.001504615	0.000542036	0.705655515	7.34338E-06	0.003659521	0.000538377	0.001174416	0.001683613
2043 Oct	0.000925592	0.008477783	1.35971E-05	11.57257175	8.385655403	0.094796725	0.003981764	89.62533569	0.005946471	0.007724805	3.06847E-05	0.001331711	0.000496671	0.709812164	1.20587E-05	0.00337069	0.000463943	0.001117345	0.001597574
2043 Nov	0.000987448	0.008800577	1.35968E-05	12.21722698	8.826100349	0.111743182	0.004122416	105.0321198	0.006522113	0.011389598	3.25473E-05	0.001318714	0.000504133	0.812199354	1.87425E-05	0.003449586	0.000477749	0.001231004	0.001703754
2043 Dec	0.000988134	0.008804338	1.35979E-05	12.22306252	8.830512047	0.111889064	0.004124506	105.1658478	0.006531739	0.011418926	3.25655E-05	0.001318555	0.000504309	0.812986135	1.87964E-05	0.003451315	0.000478135	0.001232333	0.001705196
2044 Jan	0.000988313	0.008817842	1.3598E-05	12.22405052	8.83147049	0.111928999	0.004124745	105.1934662	0.006533528	0.011426346	3.26013E-05	0.001318478	0.000504327	0.813170135	1.88095E-05	0.003451524	0.000478259	0.001232638	0.001705443
2044 Feb	0.000988353	0.008834196	1.35978E-05	12.22365856	8.831438065	0.111933097	0.004124577	105.1893845	0.006533355	0.01142646	3.2642E-05	0.00131843	0.00050431	0.813148022	1.88088E-05	0.003451376	0.00047833	0.001232652	0.001705368
2044 Mar	0.000988371	0.008841663	1.35977E-05	12.22348022	8.831422806	0.111934975	0.0041245	105.1875229	0.006533276	0.011426511	3.26606E-05	0.001318408	0.000504303	0.813137889	1.88084E-05	0.003451308	0.000478363	0.001232659	0.001705334
2044 Apr	0.000988381	0.00884581	1.35977E-05	12.22338104	8.831414223	0.111936018	0.004124457	105.1864853	0.006533232	0.01142654	3.26709E-05	0.001318396	0.000504298	0.813132346	1.88082E-05	0.003451271	0.000478381	0.001232662	0.001705315
2044 May	0.000988603	0.009032679	1.35947E-05	12.21491909	8.827906609	0.111934803	0.004121171	105.1047821	0.006529274	0.011426611	3.34435E-05	0.001317485	0.000503985	0.812602758	1.87942E-05	0.003448446	0.000479072	0.001233157	0.001703888
2044 Jun	0.000955616	0.020931134	1.31654E-05	10.88598347	7.984759331	0.102336831	0.003642994	92.95701599	0.005885508	0.011188447	5.94083E-05	0.001187623	0.000450732	0.724066615	1.67887E-05	0.003043135	0.000498086	0.001330994	0.001500417
2044 Jul	0.000942196	0.023427842	1.30396E-05	10.4881916	7.714395046	0.09885823	0.00350247	89.36489868	0.005691168	0.011101478	6.11605E-05	0.001149102	0.000434529	0.697237074	1.6201E-05	0.002924189	0.00049704	0.001359008	0.001440792
2044 Aug	0.000940759	0.023916282	1.30112E-05	10.40012264	7.656126976	0.09802594	0.003473557	88.56539917	0.005647202	0.011078127	6.08983E-05	0.001138628	0.000430953	0.691330373	1.60683E-05	0.002897421	0.00049308	0.001356759	0.001427329
2044 Sep	0.000937147	0.026091738	1.28928E-05	10.03489208	7.418975353	0.094550401	0.003356838	85.24288177	0.005464488	0.011019057	5.91501E-05	0.001094647	0.000415935	0.666905403	1.55152E-05	0.002786285	0.000478211	0.001346861	0.001371211
2044 Oct	0.000938267	0.027531063	1.28315E-05	9.846151352	7.300303936	0.092747748	0.003298035	83.52749634	0.005369862	0.01102925	5.82991E-05	0.00107187	0.000407967	0.654347181	1.52287E-05	0.002729073	0.000472251	0.001341735	0.001342148
2044 Nov	0.000938478	0.027802926	1.28199E-05	9.810502052	7.277889252	0.092407256	0.003286929	83.20349121	0.00535199	0.011031176	5.81384E-05	0.001067568	0.000406462	0.651975155	1.51746E-05	0.002718267	0.000471125	0.001340766	0.001336658
2044 Dec	0.000938489	0.027816514	1.28194E-05	9.808719635	7.276768684	0.092390239	0.003286373	83.18729401	0.005351096	0.011031271	5.81303E-05	0.001067352	0.000406386	0.651856601	1.51719E-05	0.002717727	0.000471069	0.001340718	0.001336384
2045 Jan	0.000938517	0.02782888	1.28192E-05	9.80819416	7.276572704	0.092390031	0.003286183	83.18218994	0.005350846	0.011031372	5.81535E-05	0.001067288	0.000406364	0.651824117	1.5171E-05	0.002717549	0.000471103	0.001340714	0.001336294
2045 Feb	0.000938541	0.027837494	1.28191E-05	9.808035851	7.276592255	0.092392787	0.00328611	83.1804657	0.005350779	0.011031445	5.81755E-05	0.001067267	0.000406357	0.651815772	1.51707E-05	0.002717485	0.000471143	0.001340719	0.001336261
2045 Mar	0.000938552	0.027841359	1.28191E-05	9.807964325	7.276601315	0.092394017	0.003286077	83.1796875	0.005350749	0.011031478	5.81854E-05	0.001067258	0.000406354	0.651812017	1.51706E-05	0.002717457	0.000471161	0.001340722	0.001336246
2045 Apr	0.000938558	0.027843559	1.28191E-05	9.807924271	7.276606083	0.092394724	0.003286058	83.17925262	0.005350731	0.011031496	5.8191E-05	0.001067253	0.000406353	0.651809931	1.51705E-05	0.00271744	0.000471171	0.001340723	0.001336238
2045 May	0.00093856	0.027844548	1.28191E-05	9.807900429	7.276604652	0.092394978	0.003286048	83.17900085	0.005350721	0.011031503	5.8194E-05	0.00106725	0.000406352	0.65180856	1.51704E-05	0.002717431	0.000471175	0.001340724	0.001336233
2045 Jun	0.000911239	0.032295704	1.25916E-05	9.086863518	6.783810139	0.086161464	0.003028937	76.66909027	0.004999622	0.010867565	6.1851E-05	0.000999684	0.00037703	0.603122234	1.41076E-05	0.002502172	0.000473502	0.001401997	0.001228401
2045 Jul	0.000896717	0.034847487	1.24631E-05	8.679847717	6.506103516	0.082623772	0.002884095	72.99578094	0.004801114	0.010774989	6.39156E-05	0.000960938	0.000360472	0.57565105	1.35074E-05	0.002380616	0.000473387	0.001433357	0.001167508
2045 Aug	0.000895646	0.03532894	1.2436E-05	8.595673561	6.450461864	0.081821762	0.002856458	72.23254395	0.004758981	0.01075173	6.36965E-05	0.000950716	0.000357055	0.57000792	1.33806E-05	0.002355024	0.000469008	0.001429974	0.001154644
2045 Sep	0.000895088	0.036128014	1.23932E-05	8.464223862	6.366048813	0.080553323	0.002815294	71.03544617	0.004692948	0.010734668	6.28711E-05	0.000934366	0.000351626	0.561234295	1.31807E-05	0.002314928	0.00046294	0.001424265	0.001134361
2045 Oct	0.000895607	0.036444258	1.23801E-05	8.424145699	6.341207504	0.080165043	0.002803093	70.67082214	0.004672768	0.010738851	6.26313E-05	0.000929369	0.000349924	0.558573961	1.31196E-05	0.002302753	0.000461487	0.00142252	0.001128162
2045 Nov	0.000895647	0.036468722	1.23791E-05	8.42104435	6.339284897	0.080135003	0.002802149	70.64261627	0.004671206	0.010739175	6.26128E-05	0.000928983	0.000349792	0.558368146	1.31149E-05	0.002301811	0.000461375	0.001422386	0.001127683
2045 Dec	0.000895666	0.036480289	1.23786E-05	8.419579506	6.338376522	0.080120809	0.002801703	70.62928009	0.004670469	0.010739327	6.2604E-05	0.0009288	0.00034973	0.558270812	1.31126E-05	0.002301366	0.000461322	0.001422322	0.001127456
2046 Jan	0.000895678	0.036485277	1.23785E-05	8.419246674	6.338208675	0.080118939	0.002801594	70.62615204	0.004670304	0.010739382	6.26092E-05	0.000928758	0.000349715	0.558249474	1.31121E-05	0.00230126	0.000461324	0.00142231	0.001127402

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.000895688	0.036488909	1.23785E-05	8.419193268	6.338226795	0.080120258	0.002801568	70.62554169	0.004670282	0.010739417	6.26187E-05	0.000928751	0.000349713	0.558246851	1.3112E-05	0.002301236	0.000461341	0.001422311	0.00112739
2046 Mar	0.000895694	0.036490887	1.23784E-05	8.419163704	6.338236809	0.080120973	0.002801553	70.62520599	0.004670271	0.010739436	6.26238E-05	0.000928747	0.000349712	0.55824542	1.31119E-05	0.002301224	0.000461351	0.001422312	0.001127383
2046 Apr	0.000895722	0.036500521	1.23784E-05	8.419020653	6.338285923	0.080124483	0.002801483	70.6235733	0.004670213	0.010739527	6.26489E-05	0.000928727	0.000349706	0.558238506	1.31116E-05	0.002301162	0.000461396	0.001422316	0.001127352
2046 May	0.000896223	0.03676768	1.23752E-05	8.41061306	6.336127281	0.080168381	0.002797998	70.53924561	0.004666399	0.010740646	6.38458E-05	0.000927791	0.000349411	0.557736635	1.30967E-05	0.00229818	0.000462552	0.001422844	0.001125841
2046 Jun	0.00087797	0.042041227	1.21783E-05	7.797672272	5.941346645	0.07569892	0.002575266	64.94796753	0.004370197	0.01062059	7.54037E-05	0.00086994	0.000324852	0.516791523	1.21767E-05	0.002112037	0.000473418	0.001476316	0.001032503
2046 Jul	0.00086182	0.04475446	1.20379E-05	7.351836681	5.635060787	0.071763806	0.002416469	60.93078232	0.004152593	0.010516182	7.72139E-05	0.000827561	0.000306693	0.486663729	1.15211E-05	0.001979187	0.000472357	0.001510208	0.000965983
2046 Aug	0.000861043	0.045123991	1.20146E-05	7.279827595	5.587426662	0.071055658	0.002393334	60.27736282	0.004116348	0.010494649	7.67705E-05	0.000818453	0.000303772	0.48183614	1.14123E-05	0.001957236	0.000467811	0.001505774	0.000954942
2046 Sep	0.000860862	0.046036493	1.19616E-05	7.11750412	5.483328819	0.069439031	0.002343715	58.79821396	0.00403434	0.010472363	7.51852E-05	0.000797441	0.000297058	0.47100535	1.11646E-05	0.001907608	0.000458604	0.001495227	0.000929812
2046 Oct	0.000863255	0.046925552	1.19253E-05	7.006518364	5.415424824	0.068327986	0.002311068	57.78820801	0.003978095	0.010491411	7.41437E-05	0.00078303	0.000292293	0.463653833	1.09947E-05	0.001873861	0.000453755	0.001487994	0.000912577
2046 Nov	0.000863718	0.047097281	1.19182E-05	6.985080719	5.402308464	0.068113379	0.002304763	57.59311676	0.003967231	0.010495091	7.39426E-05	0.000780246	0.000291373	0.462233812	1.09619E-05	0.001867343	0.000452819	0.001486597	0.000909248
2046 Dec	0.000863752	0.047109853	1.19177E-05	6.983511448	5.401348114	0.068097673	0.002304301	57.57883453	0.003966435	0.01049536	7.39278E-05	0.000780043	0.000291306	0.462129861	1.09595E-05	0.001866866	0.00045275	0.001486494	0.000909004
2047 Jan	0.000863768	0.047115427	1.19176E-05	6.983202934	5.401209354	0.068096347	0.002304201	57.57590866	0.003966284	0.010495443	7.39343E-05	0.000780002	0.000291292	0.462110341	1.0959E-05	0.001866765	0.000452755	0.001486477	0.000908953
2047 Feb	0.000863782	0.047119934	1.19176E-05	6.983153343	5.401245594	0.068098202	0.002304174	57.57529831	0.003966265	0.010495489	7.39462E-05	0.000779994	0.00029129	0.462108284	1.09589E-05	0.001866741	0.000452777	0.001486478	0.00090894
2047 Mar	0.00086379	0.047122389	1.19176E-05	6.98312664	5.401265144	0.068099216	0.002304158	57.57496643	0.003966256	0.010495516	7.39527E-05	0.00077999	0.000291289	0.462107182	1.09588E-05	0.001866728	0.000452789	0.001486478	0.000908934
2047 Apr	0.000863794	0.047123786	1.19176E-05	6.983111382	5.401277065	0.068099789	0.00230415	57.5747757	0.00396625	0.01049553	7.39564E-05	0.000779988	0.000291288	0.462106556	1.09588E-05	0.001866721	0.000452796	0.001486479	0.00090893
2047 May	0.000867066	0.048685469	1.19013E-05	6.941812992	5.394707203	0.068455413	0.002286309	57.15095139	0.003947905	0.010504041	8.14265E-05	0.00077533	0.000289922	0.459715426	1.08829E-05	0.001851546	0.000459972	0.001489345	0.000901232
2047 Jun	0.000882271	0.058456067	1.17757E-05	6.603279114	5.290239811	0.069731161	0.002146823	53.79541016	0.003793612	0.010531024	0.000125963	0.000739309	0.000278008	0.439185649	1.02961E-05	0.001733812	0.000503042	0.001515785	0.000841703
2047 Jul	0.00087967	0.058754552	1.17559E-05	6.539215565	5.244462967	0.069109179	0.002124121	53.22293854	0.003762182	0.010513881	0.000125712	0.000733241	0.000275377	0.434824914	1.02033E-05	0.001714959	0.000502125	0.001520324	0.000832279
2047 Aug	0.000878858	0.058902353	1.17404E-05	6.490895748	5.211237431	0.068585552	0.002108996	52.78678131	0.003737684	0.010496972	0.000124887	0.000727015	0.000273404	0.431562573	1.01309E-05	0.001700348	0.000498339	0.001516771	0.000824933
2047 Sep	0.000878491	0.059367012	1.17031E-05	6.375658989	5.134767056	0.06732209	0.002074778	51.7432518	0.003679027	0.010480984	0.000122569	0.000711867	0.000268578	0.423826367	9.95665E-06	0.001665464	0.000490284	0.001507948	0.000807258
2047 Oct	0.000880326	0.059936989	1.1675E-05	6.289328098	5.080213547	0.06637048	0.002050218	50.96261215	0.003634936	0.010497754	0.000120864	0.00070048	0.000264817	0.418075621	9.8257E-06	0.001639487	0.000485457	0.001501317	0.000793973
2047 Nov	0.000880793	0.060082011	1.16679E-05	6.267362118	5.066333771	0.066128366	0.00204397	50.76399612	0.003623718	0.010502022	0.000120431	0.000697583	0.000263859	0.416612446	9.79239E-06	0.001632877	0.000484229	0.001499629	0.000790593
2047 Dec	0.000880819	0.06009008	1.16675E-05	6.266140461	5.065561295	0.066114888	0.002043622	50.75294113	0.003623094	0.010502259	0.000120406	0.000697422	0.000263806	0.416531056	9.79053E-06	0.001632509	0.00048416	0.001499536	0.000790405
2048 Jan	0.000880837	0.060095891	1.16674E-05	6.265722275	5.065346718	0.066112012	0.002043494	50.74904251	0.003622885	0.01050237	0.000120407	0.000697366	0.000263788	0.416504115	9.78986E-06	0.001632377	0.000484155	0.001499506	0.000790337
2048 Feb	0.000880852	0.060100339	1.16674E-05	6.265681267	5.06538868	0.066113949	0.00204347	50.74851227	0.003622871	0.010502419	0.000120419	0.00069736	0.000263786	0.416502655	9.78975E-06	0.001632356	0.000484178	0.001499507	0.000790326
2048 Mar	0.000880859	0.06010275	1.16673E-05	6.265659332	5.065411568	0.066114999	0.002043456	50.74822235	0.003622863	0.010502445	0.000120425	0.000697356	0.000263785	0.41650182	9.7897E-06	0.001632344	0.00048419	0.001499507	0.00079032
2048 Apr	0.000880915	0.060120333	1.16672E-05	6.265498638	5.06557703	0.066122629	0.00204336	50.74612427	0.003622807	0.010502637	0.000120471	0.00069733	0.000263778	0.416496038	9.78927E-06	0.00163226	0.000484279	0.00149951	0.000790276
2048 May	0.000880943	0.060129382	1.16672E-05	6.265403748	5.06565237	0.066126414	0.002043307	50.74493408	0.003622772	0.010502732	0.000120496	0.000697316	0.000263774	0.416492194	9.78903E-06	0.001632213	0.000484324	0.001499513	0.000790252
2048 Jun	0.000864207	0.061547451	1.15668E-05	5.941066742	4.83204937	0.063083336	0.001926327	47.84209061	0.003465076	0.010412943	0.000119709	0.000669179	0.000250505	0.394371599	9.32005E-06	0.001536955	0.000485489	0.001535592	0.000742671
2048 Jul	0.000850736	0.06280417	1.14791E-05	5.657580853	4.627885342	0.06037442	0.001824597	45.30851364	0.003326726	0.010333846	0.000118801	0.000643731	0.000238889	0.375041723	8.91028E-06	0.001453715	0.000484221	0.00156247	0.000701096
2048 Aug	0.000849716	0.063088395	1.14511E-05	5.570409775	4.568037033	0.059418883	0.001797363	44.5228653	0.003282355	0.010301997	0.000117337	0.000632167	0.000235332	0.369160205	8.77967E-06	0.001427339	0.000476491	0.001554189	0.000687845
2048 Sep	0.000850037	0.063440152	1.14227E-05	5.483093739	4.510839462	0.058443207	0.001772229	43.73081589	0.003237645	0.010292362	0.000115366	0.000620175	0.00023166	0.363312066	8.64686E-06	0.001400804	0.000469604	0.001545389	0.000674371
2048 Oct	0.000852108	0.063892528	1.14017E-05	5.418653965	4.471006393	0.057718694	0.001754617	43.14726639	0.003204521	0.010310239	0.00011394	0.000611291	0.000228823	0.359035283	8.54846E-06	0.001381355	0.000465568	0.00153887	0.000664388
2048 Nov	0.000852732	0.064028613	1.13953E-05	5.399269581	4.459023952	0.057500746	0.001749319	42.97172165	0.003194557	0.010315618	0.000113511	0.000608618	0.00022797	0.357748747	8.51886E-06	0.001375505	0.000464354	0.001536909	0.000661385
2048 Dec	0.000852746	0.064031728	1.13952E-05	5.398825169	4.458749294	0.05749575	0.001749198	42.96770096	0.003194328	0.01031574	0.000113501	0.000608557	0.00022795	0.357719243	8.51819E-06	0.001375371	0.000464327	0.001536864	0.000661316
2049 Jan	0.00085276	0.064035811	1.13951E-05	5.398720741	4.458739281	0.057496477	0.00174916	42.9666214	0.00319428	0.010315804	0.000113509	0.000608541	0.000227946	0.357713312	8.51799E-06	0.001375332	0.00046434	0.001536856	0.000661296
2049 Feb	0.000852776	0.064040579	1.13951E-05	5.398690224	4.458794117	0.057498697	0.001749138	42.96616364	0.003194271	0.010315859	0.000113521	0.000608536	0.000227944	0.357712626	8.51789E-06	0.001375313	0.000464364	0.001536856	0.000661286
2049 Mar	0.000852785	0.064043172	1.13951E-05	5.398673058	4.458823681	0.057499912	0.001749126	42.96591568	0.003194266	0.010315889	0.000113528	0.000608533	0.000227943	0.357712239	8.51784E-06	0.001375302	0.000464378	0.001536856	0.000661281
2049 Apr	0.000852789	0.064044647	1.13951E-05	5.398663521	4.45884037	0.057500597	0.001749119	42.96577454	0.003194263	0.010315906	0.000113532	0.000608531	0.000227943	0.35771203	8.51781E-06	0.001375296	0.000464385	0.001536857	0.000661278
2049 May	0.000853115	0.064181574	1.1394E-05	5.395978451	4.458981514	0.057543661	0.001747852	42.93685532	0.003193127	0.010316877	0.00011422	0.000608222	0.000227863	0.357566953	8.51249E-06	0.001374235	0.000465069	0.001537091	0.000660738
2049 Jun	0.000838809	0.066088006	1.12998E-05	5.095882416	4.251713753	0.055087838	0.001637012	40.22885513	0.003048479	0.01023867	0.000117146	0.000582686	0.000215754	0.337261736	8.07278E-06	0.001284934	0.000470853	0.00157392	0.000616127
2049 Jul	0.000830425	0.066909701	1.12432E-05	4.912341595	4.118802547	0.053309631	0.001570859	38.59269714	0.002958737	0.010184733	0.000116552	0.00056601	0.000208232	0.324736655	7.80835E-06	0.00123116	0.000468944	0.001589618	0.000589298
2049 Aug	0.000830256	0.067012325	1.1234E-05	4.883310318	4.098801613	0.052985352	0.001561759	38.33199692	0.002943896	0.010173725	0.000116072	0.00056206	0.000207046	0.322777539	7.76499E-06	0.001222393	0.000466024	0.001586204	0.000584899
2049 Sep	0.000831443	0.067346841	1.12087E-05	4.80622673	4.049286366	0.052097458	0.001540576	37.63215256	0.002904121	0.010172468	0.000114047	0.000550968	0.00020376	0.317631871	7.64703E-06	0.001198922	0.000459308	0.001576358	0.000572931
2049 Oct	0.000834081	0.067790352	1.11886E-05	4.745053768	4.012190819	0.051388629	0.001524633	37.07766724	0.002872436	0.010194557	0.000112466	0.000542133	0.000201035	0.313584447	7.55306E-06	0.001180419	0.000454943	0.001568514	0.000563397
2049 Nov	0.000834714	0.067896806	1.11838E-05	4.730370522	4.003286839	0.051218487	0.001520807	36.94457626	0.002864831	0.01019986	0.000112086	0.000540012	0.000200381	0.312612951	7.53051E-06	0.001175978	0.000453895	0.001566632	0.000561109
2049 Dec	0.000834753	0.067903213	1.11835E-05	4.729485989	4.002750397	0.051208243	0.001520576	36.93655777	0.002864372	0.010200178	0.000112063	0.000539884	0.000200342	0.312554449	7.52915E-06	0.00117571	0.000453832	0.001566518	0.000560971
2050 Jan	0.000834768	0.067907155	1.11834E-05	4.72936821	4.002728939	0.051208612	0.001520537	36.9353714	0.002864316	0.010200255	0.000112069	0.000539866	0.000200336	0.312547565	7.52893E-06	0.001175668	0.000453841	0.001566505	0.000560949
2050 Feb	0.000834783	0.067911476	1.11834E-05	4.729349136	4.002785206	0.051210735	0.00152052	36.93503571	0.002864312	0.010200308	0.000112081	0.000539862	0.000200335	0.312547535	7.52886E-06	0.001175653	0.000453864	0.001566504	0.000560942
2050 Mar	0.000834791	0.067913823	1.11834E-05	4.729338646	4.0028162	0.051211897	0.001520511	36.93484879	0.00286431	0.010200336	0.000112087	0.00053986	0.000200335	0.312547535	7.52881E-06	0.001175645	0.000453877	0.001566504	0.000560937
2050 Apr	0.000834795	0.067915164	1.11834E-05	4.729332447	4.002833843	0.05121256	0.001520505	36.93474579	0.002864309	0.010200352	0.000112091	0.000539858	0.000200335	0.312547505	7.52879E-06	0.001175641	0.000453884	0.001566504	0.000560935
2050 May	0.000834969	0.067983486	1.11829E-05	4.728242397	4.003097534	0.051237199	0.001519955	36.92251205	0.002863867	0.010200897	0.000112442	0.000539729	0.000200305	0.31249243	7.52649E-06	0.001175182	0.000454237	0.001566611	0.000560701
2050 Jun	0.000828353	0.07049568	1.11136E-05	4.51599884	3.875146151	0.050167177	0.001437859	34.96212769	0.002763494	0.010158045	0.000121291	0.000521588	0.000192048	0.298473179	7.2028E-06	0.001109554	0.000465713	0.001594829	0.000527861
2050 Jul	0.000820921	0.071198225	1.10625E-05	4.34937191	3.75296545	0.048501424	0.001377648	33.48269653	0.002681765	0.010104913	0.000120475	0.000506219	0.00018521	0.287078053	6.96409E-06	0.001060941	0.000462484	0.001607114	0.000503642
2050 Aug	0.000821059	0.071373858	1.10509E-05	4.31236887	3.727063179	0.048079554	0.001365593	33.1542778	0.002662804	0.010091202	0.000120004	0.000501203	0.000183688	0.284575641	6.90972E-06	0.001049907	0.000458337	0.001602117	0.000498126
2050 Sep	0.000821805	0.071529143	1.10345E-05	4.262537479	3.694740534	0.047480289	0.001352357	32.70160675	0.002636902	0.01008743	0.000118396	0.000493707	0.00018157	0.281244159	6.83324E-06	0.00103469	0.000453168	0.001594373	0.000490366
2050 Oct	0.000822549	0.071628548	1.103E-05	4.248681068	3.68644762	0.047312278	0.001348951	32.57601547	0.002629661	0.010093678	0.000117957	0.000491611	0.000180943	0.280329168	6.81186E-06	0.001030498	0.000452035	0.001592208	0.000488197
2050 Nov	0.000822681	0.071646124	1.10291E-05	4.246231079	3.684981823	0.047282577	0.001348349	32.55381393	0.002628381	0.010094782	0.000117879	0.000491241	0.000180833	0.280167401	6.80808E-06	0.001029757	0.000451835	0.001591825	0.000487814
2050 Dec	0.000822705	0.071649328	1.1029E-05	4.245783806	3.68471384	0.047277153	0.001348239	32.54975891	0.002628147	0.010094984	0.000117865	0.000491173	0.000180812	0.280137867	6.80739E-06	0.001029622	0.000451798	0.001591755	0.000487744
2051 Jan	0.000822725	0.071653932	1.10289E-05	4.245620251	3.684672356	0.047277093	0.00134819	32.54814529	0.002628067	0.010095097	0.000117869	0.000491147	0.000180805	0.280128121	6.8071E-06	0.001029565	0.000451804	0.001591731	0.000487714
2051 Feb	0.000822742	0.071658678	1.10289E-05	4.245606422	3.684739828	0.047279518	0.001348173	32.54784012	0.002628066	0.010095158	0.000117882	0.000491143	0.000180804	0.280128598	6.80703E-06	0.00102955	0.00045183	0.00159173	0.000487707
2051 Mar	0.000822751	0.071661271	1.10289E-05	4.245598793	3.684776783	0.047280844	0.001348165	32.54767227	0.002628066	0.010095191	0.000117889	0.000491141	0.000180804	0.280128837	6.80699E-06	0.001029543	0.000451844	0.00159173	0.000487703
2051 Apr	0.000822756	0.071662746	1.10289E-05	4.245594501	3.684797764	0.047281601	0.00134816	32.54757309	0.002628066	0.010095209	0.000117893	0.00049114	0.000180803	0.280128986	6.80696E-06	0.001029538	0.000451852	0.00159173	0.0004877
2051 May	0.000824494	0.072312921	1.10247E-05	4.236898422	3.688626528	0.047537085	0.001343481	32.44585037	0.0026247	0.010100925	0.000121301	0.000490078	0.000180597	0.279721051	6.78742E-06	0.001025657	0.000455302	0.001592678	0.000485717
2051 Jun	0.000826699	0.080584392	1.08963E-05	3.872864246	3.534234285	0.047908969	0.00119218	28.92817879	0.002458412	0.010079642	0.000158865	0.000457481	0.000167412	0.256867737	6.18739E-06	0.00090454	0.000498248	0.001643426	0.00042484
2051 Jul	0.000819838	0.080706649	1.08655E-05	3.76994586	3.453588009	0.04676535	0.00115501	28.02334023	0.002408051	0.010042545	0.000156963	0.000449058	0.000163138	0.249730691	6.04351E-06	0.000875178	0.000496845	0.001655796	0.000410242
2051 Aug	0.000819516	0.080685534	1.0848E-05	3.714606524	3.413048983	0.046019483	0.001139008	27.53176117	0.002379069	0.010015182	0.000154768	0.000440693	0.000160849	0.245954573	5.96181E-06	0.000858652	0.00048836	0.001645162	0.000401953
2051 Sep	0.000822419	0.080873981	1.08264E-05	3.648442268	3.370382071	0.045088708	0.001124008	26.9360436	0.002343871	0.010033335	0.000151276	0.000429956	0.000157856	0.241531894	5.86069E-06	0.000838791	0.000480082	0.001631375	0.000391694
2051 Oct	0.000830603	0.081515029	1.0786E-05	3.525446653	3.294664383	0.04335063	0.001097561	25.8314724	0.002278239	0.010104964	0.000144816	0.000409935	0.000152101	0.233369499	5.67214E-06	0.000802075	0.000466256	0.001605668	0.000372565
2051 Nov	0.000831545	0.081588767	1.07814E-05	3.511297941	3.285954475	0.043150693	0.001094519	25.70435715	0.002270689	0.010113203	0.000144073	0.000407631	0.000151438	0.232430547	5.65045E-06	0.000797851	0.000464666	0.001602711	0.000370364
2051 Dec	0.000831559	0.081589922	1.07813E-05	3.51107645	3.2858181	0.043147564	0.001094472	25.70236588	0.002270571	0.010113331	0.000144061	0.000407595	0.000151428	0.232415855	5.65011E-06	0.000797785	0.000464641	0.001602664	0.00037033
2052 Jan	0.000831585	0.081596136	1.07812E-05	3.510998011	3.285865545	0.043149661	0.00109444	25.701437	0.002270537	0.010113451	0.000144073	0.00040758	0.000151424	0.232412428	5.64993E-06	0.000797749	0.000464665	0.001602648	0.000370311
2052 Feb	0.000831614	0.081604123	1.07812E-05	3.510993719	3.285993814	0.043153994	0.001094418	25.70108604	0.002270546	0.010113556	0.000144095	0.000407575	0.000151424	0.232414514	5.64983E-06	0.000797731	0.000464708	0.001602646	0.000370301
2052 Mar	0.000831629	0.081608444	1.07812E-05	3.510991096	3.286063194	0.043156337	0.001094407	25.70089531	0.002270551	0.010113612	0.000144107	0.000407572	0.000151423	0.232415646	5.64978E-06	0.000797721	0.000464732	0.001602645	0.000370296
2052 Apr	0.000831638	0.081610844	1.07812E-05	3.510989666	3.286101818	0.043157641	0.0010944	25.7007885	0.002270553	0.010113643	0.000144113	0.000407571	0.000151423	0.232416287	5.64975E-06	0.000797715	0.000464745	0.001602645	0.000370293
2052 May	0.000836149	0.083226845	1.07728E-05	3.495854378	3.300542593	0.04387917	0.001084733	25.50494576	0.002265484	0.010128592	0.000152864	0.000405657	0.000151192	0.231848955	5.61041E-06	0.000789925	0.00047375	0.001605041	0.000366301
2052 Jun	0.00084636	0.089213833	1.07202E-05	3.367318392	3.295284986	0.045762043	0.001021697	24.1438427	0.002211747	0.010152882	0.000183965	0.00039371	0.00014735	0.224683568	5.36484E-06	0.000740609	0.000507872	0.00162759	0.000341387
2052 Jul	0.000844446	0.089238793	1.07021E-05	3.305247545	3.24450016	0.044908088	0.001000142	23.61255074	0.002180086	0.010123857	0.000181939	0.000386785	0.000144723	0.22035189	5.28013E-06	0.000723223	0.000500913	0.001624148	0.000332792
2052 Aug	0.000844052	0.089147598	1.06937E-05	3.277760983	3.22274065	0.044487692	0.000992224	23.37284279	0.002165533	0.010107142	0.000180427	0.000382604	0.000143573	0.218447924	5.24076E-06	0.000715217	0.000495845	0.001618277	0.000328798
2052 Sep	0.000844749	0.089057952	1.06828E-05	3.24399066	3.198631763	0.043942519	0.000984953	23.07221794	0.002147324	0.010107323	0.000177876	0.000376939	0.000142055	0.216149271	5.19013E-06	0.000705221	0.000490255	0.001610258	0.000323661
2052 Oct	0.000845958	0.089099072	1.06771E-05	3.226403713	3.187162399	0.043655977	0.000981604	22.91612816	0.002137779	0.010118909	0.000176554	0.00037397	0.000141206	0.214970022	5.16359E-06	0.000700077	0.000487816	0.001606055	0.000320968
2052 Nov	0.000845982	0.089099877	1.0677E-05	3.226058483	3.186937332	0.043650359	0.000981539	22.91306877	0.002137592	0.010119136	0.000176529	0.000373911	0.00014119	0.214946881	5.16307E-06	0.000699976	0.000487768	0.001605972	0.000320916
2052 Dec	0.000845991	0.089100182	1.0677E-05	3.225925446	3.186850548	0.043648187	0.000981513	22.91188622	0.002137519	0.010119224	0.000176519	0.000373889	0.000141183	0.21493794	5.16287E-06	0.000699937	0.000487749	0.00160594	0.000320895

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.000846008	0.089104153	1.0677E-05	3.225881815	3.186886311	0.043649599	0.000981496	22.91134834	0.002137501	0.010119305	0.000176526	0.000373879	0.000141181	0.214936197	5.16276E-06	0.000699916	0.000487765	0.001605929	0.000320884
2053 Feb	0.000846027	0.089109406	1.0677E-05	3.225883961	3.186974525	0.043652508	0.000981483	22.91116142	0.002137509	0.010119375	0.00017654	0.000373877	0.000141181	0.214937925	5.1627E-06	0.000699906	0.000487794	0.001605928	0.000320878
2053 Mar	0.000846037	0.089112259	1.0677E-05	3.225885153	3.187022686	0.043654095	0.000981477	22.91105843	0.002137514	0.010119413	0.000176547	0.000373875	0.000141181	0.214938879	5.16267E-06	0.0006999	0.000487809	0.001605927	0.000320875
2053 Apr	0.000846043	0.089113891	1.06769E-05	3.22588563	3.187049866	0.043654997	0.000981473	22.91100121	0.002137516	0.010119434	0.000176552	0.000373875	0.000141181	0.214939415	5.16265E-06	0.000699896	0.000487818	0.001605927	0.000320873
2053 May	0.000857629	0.093197405	1.06575E-05	3.19378686	3.228292465	0.045559913	0.000958991	22.46992493	0.002127839	0.010159031	0.000198904	0.000369749	0.00014086	0.213930517	5.07195E-06	0.000681976	0.000511111	0.001612209	0.000311672
2053 Jun	0.00088001	0.102928422	1.05951E-05	3.062416077	3.281880856	0.049512967	0.000884498	20.93742752	0.002078445	0.010229154	0.000251269	0.000356487	0.000137841	0.207687393	4.78043E-06	0.000623804	0.000567693	0.001638687	0.000282094
2053 Jul	0.000876571	0.102670878	1.05869E-05	3.032131672	3.252878189	0.049027845	0.000873791	20.68328667	0.002063371	0.010212109	0.00024922	0.000354442	0.000136526	0.205490768	4.74188E-06	0.000615847	0.000566054	0.001643495	0.000278183
2053 Aug	0.000876133	0.10253296	1.05835E-05	3.020471334	3.242358685	0.048798952	0.000870847	20.58414459	0.002057017	0.010203132	0.000248033	0.000352571	0.000136021	0.204659522	4.72586E-06	0.000612586	0.000563194	0.001640483	0.000276558
2053 Sep	0.000875965	0.102465443	1.0582E-05	3.015785933	3.2382607	0.048703223	0.000869897	20.54354095	0.002054431	0.01020022	0.000247465	0.000351757	0.000135815	0.204327285	4.71919E-06	0.000611249	0.000562038	0.001639173	0.000275881
2053 Oct	0.000876189	0.102448814	1.05809E-05	3.0120821	3.235475063	0.048626222	0.000869332	20.51165962	0.00205236	0.010202773	0.000247016	0.000351106	0.000135627	0.204072103	4.71385E-06	0.000610219	0.000561321	0.001638124	0.000275339
2053 Nov	0.000876437	0.102430366	1.05796E-05	3.007972956	3.232384682	0.048540797	0.000868706	20.47628593	0.002050062	0.010205606	0.000246518	0.000350383	0.000135418	0.203788981	4.70793E-06	0.000609077	0.000560526	0.00163696	0.000274738
2053 Dec	0.000876447	0.102429643	1.05796E-05	3.007811785	3.232263565	0.048537448	0.000868681	20.47489738	0.002049972	0.010205717	0.000246499	0.000350354	0.00013541	0.203777879	4.70769E-06	0.000609032	0.000560495	0.001636914	0.000274715
2054 Jan	0.000876469	0.102434434	1.05795E-05	3.007762671	3.232309818	0.048539139	0.000868662	20.4742794	0.002049951	0.010205823	0.000246505	0.000350343	0.000135407	0.203776032	4.70757E-06	0.000609008	0.000560512	0.001636897	0.000274702
2054 Feb	0.000876494	0.102441251	1.05795E-05	3.007770777	3.232429028	0.048542984	0.000868648	20.47408485	0.002049965	0.010205917	0.000246522	0.00035034	0.000135407	0.203778654	4.7075E-06	0.000608995	0.00056055	0.001636895	0.000274695
2054 Mar	0.000876508	0.102444969	1.05795E-05	3.007775068	3.232493877	0.048545077	0.000868641	20.47397995	0.002049972	0.010205966	0.000246532	0.000350338	0.000135407	0.203780085	4.70746E-06	0.000608988	0.00056057	0.001636894	0.000274691
2054 Apr	0.000876516	0.102447085	1.05795E-05	3.007777691	3.232530832	0.04854627	0.000868636	20.47391701	0.002049976	0.010205995	0.000246537	0.000350337	0.000135407	0.203780919	4.70744E-06	0.000608985	0.000560582	0.001636893	0.000274689
2054 May	0.000879188	0.10337019	1.05754E-05	3.001336813	3.242495775	0.048986442	0.000863838	20.38138008	0.002048191	0.010215255	0.00025161	0.000349477	0.000135368	0.203609407	4.68808E-06	0.000605167	0.000565871	0.001638238	0.000272725
2054 Jun	0.000888933	0.109533451	1.05232E-05	2.8748703	3.240927219	0.05103856	0.00079983	19.03153801	0.001996292	0.010239908	0.000284165	0.000338642	0.000131685	0.196623564	4.44432E-06	0.000556171	0.000603052	0.001665277	0.000247994
2054 Jul	0.000881375	0.108668834	1.05033E-05	2.799230099	3.164259911	0.049605194	0.000774508	18.41319084	0.00195743	0.010192697	0.000277286	0.000332254	0.000128308	0.19106707	4.35125E-06	0.000536898	0.000593699	0.001669514	0.000238551
2054 Aug	0.000879837	0.108114846	1.04945E-05	2.768680811	3.134598255	0.048909165	0.000767843	18.15700531	0.001940368	0.010165373	0.000273102	0.000326976	0.000126958	0.188850895	4.31013E-06	0.000528535	0.000584618	0.001659938	0.000234379
2054 Sep	0.000879061	0.107671671	1.04875E-05	2.745218992	3.112797976	0.048354689	0.000763942	17.957304	0.001927087	0.01015242	0.000269471	0.00032264	0.000125879	0.187163413	4.2775E-06	0.00052203	0.000577787	0.001652101	0.000231069
2054 Oct	0.000880396	0.107507132	1.04816E-05	2.725779533	3.097239256	0.047887068	0.000761759	17.7930584	0.001915929	0.010168638	0.000266457	0.000318998	0.000124845	0.185806304	4.25009E-06	0.000516795	0.000573204	0.001645516	0.000228288
2054 Nov	0.000880908	0.107443996	1.04794E-05	2.71832037	3.091269016	0.047707632	0.000760921	17.73003197	0.001911648	0.010174862	0.0002653	0.0003176	0.000124449	0.185285538	4.23958E-06	0.000514786	0.000571446	0.00164299	0.000227221
2054 Dec	0.000880918	0.107442699	1.04793E-05	2.718167543	3.091146708	0.047703959	0.000760904	17.72874069	0.001911156	0.01017499	0.000265276	0.000317572	0.00012444	0.185274884	4.23936E-06	0.000514744	0.00057141	0.001642938	0.000227199
2055 Jan	0.000880943	0.107447781	1.04793E-05	2.718127966	3.091206074	0.047705892	0.000760888	17.7281971	0.001911544	0.01017511	0.000265282	0.00031756	0.000124438	0.185273796	4.23924E-06	0.000514722	0.000571428	0.001642918	0.000227187
2055 Feb	0.000880971	0.107455246	1.04793E-05	2.71814537	3.091342688	0.047710203	0.000760876	17.72805405	0.001911563	0.010175215	0.000265301	0.000317558	0.000124438	0.185277238	4.23918E-06	0.000514711	0.00057147	0.001642916	0.000227181
2055 Mar	0.000880986	0.107459314	1.04793E-05	2.718154669	3.091417313	0.04771255	0.000760869	17.72797585	0.001911573	0.010175272	0.000265311	0.000317556	0.000124438	0.185279116	4.23915E-06	0.000514705	0.000571493	0.001642914	0.000227177
2055 Apr	0.000880994	0.107461639	1.04793E-05	2.718159676	3.091459513	0.047713891	0.000760865	17.72793388	0.001911579	0.010175304	0.000265317	0.000317556	0.000124438	0.185280174	4.23913E-06	0.000514701	0.000571506	0.001642914	0.000227175
2055 May	0.000880998	0.107462622	1.04793E-05	2.718160391	3.09147644	0.047714438	0.000760862	17.72789955	0.001911581	0.010175318	0.00026532	0.000317555	0.000124438	0.185280532	4.23912E-06	0.000514699	0.000571512	0.001642914	0.000227174
2055 Jun	0.000852781	0.105006263	1.04311E-05	2.532868624	2.898524046	0.044444408	0.000694498	16.19970703	0.00182004	0.010057295	0.000249071	0.000308763	0.00011626	0.171545029	4.01426E-06	0.000468033	0.000564331	0.001688814	0.000204361
2055 Jul	0.000842139	0.104019761	1.04107E-05	2.454404354	2.817429304	0.043029543	0.00066683	15.5548811	0.001780802	0.010007169	0.00024217	0.000304151	0.000112787	0.165744185	3.91877E-06	0.000448215	0.000559165	0.001703508	0.000194673
2055 Aug	0.000841989	0.103869975	1.04076E-05	2.443247557	2.806682825	0.042776816	0.000664098	15.46336651	0.001774528	0.009997886	0.000240829	0.00030216	0.000112289	0.164938122	3.90412E-06	0.000445212	0.000555516	0.001699227	0.000193186
2055 Sep	0.000841931	0.103516392	1.0402E-05	2.424951315	2.790256739	0.042322319	0.000661831	15.30669498	0.001763905	0.009990025	0.000237749	0.00029829	0.00011143	0.163632795	3.878E-06	0.000440059	0.000549384	0.001691077	0.000190537
2055 Oct	0.000842536	0.103477538	1.04003E-05	2.419662952	2.786293983	0.042188268	0.000661507	15.26178455	0.001760785	0.009996193	0.000236855	0.000297153	0.000111139	0.163268372	3.87033E-06	0.000438617	0.000547945	0.001688683	0.000189759
2055 Nov	0.000842695	0.103467301	1.03999E-05	2.41827035	2.785250664	0.042152978	0.000661422	15.24995899	0.001759964	0.009997816	0.00023662	0.000296854	0.000111062	0.163172409	3.86831E-06	0.000438237	0.000547566	0.001688053	0.000189554
2055 Dec	0.000842716	0.103465989	1.03998E-05	2.418091536	2.785116673	0.042148445	0.000661411	15.24844074	0.001759858	0.009998024	0.00023659	0.000296816	0.000111052	0.163160101	3.86805E-06	0.000438188	0.000547518	0.001687972	0.000189527
2056 Jan	0.000842748	0.103472576	1.03998E-05	2.418063164	2.785211325	0.042151235	0.000661398	15.24793434	0.001759849	0.009998186	0.000236599	0.000296803	0.00011105	0.163160264	3.86793E-06	0.000438166	0.000547543	0.001687945	0.000189515
2056 Feb	0.000842784	0.103481986	1.03998E-05	2.418094635	2.785391569	0.042156782	0.000661386	15.24784184	0.001759878	0.009998322	0.000236624	0.0002968	0.00011105	0.163165301	3.86787E-06	0.000438154	0.000547595	0.001687941	0.000189509
2056 Mar	0.000842804	0.103487112	1.03998E-05	2.418111563	2.785489798	0.042159803	0.000661379	15.2477932	0.001759893	0.009998396	0.000236637	0.000296799	0.000111051	0.163168028	3.86783E-06	0.000438148	0.000547624	0.001687938	0.000189505
2056 Apr	0.000842815	0.103489973	1.03998E-05	2.418121099	2.785544634	0.042161487	0.000661375	15.24776459	0.001759902	0.009998437	0.000236645	0.000296799	0.000111051	0.163169563	3.86782E-06	0.000438144	0.00054764	0.001687937	0.000189503
2056 May	0.000850708	0.10597115	1.0392E-05	2.412086248	2.821202517	0.043477885	0.000652386	15.09821987	0.001760682	0.010027545	0.000250585	0.000295504	0.000111418	0.163491309	3.83162E-06	0.000431107	0.000562223	0.001690592	0.000185831
2056 Jun	0.000873893	0.114407055	1.03562E-05	2.358790159	2.915288448	0.047621883	0.000608761	14.30261803	0.001747848	0.010110927	0.000297621	0.00028951	0.000111331	0.162283242	3.66403E-06	0.00039801	0.000613299	0.001708538	0.000168827
2056 Jul	0.000871358	0.114008836	1.03509E-05	2.337227106	2.890607357	0.047116254	0.000601864	14.1341095	0.001736468	0.010094617	0.000294771	0.000287665	0.000110328	0.160648674	3.63959E-06	0.0003929	0.000609291	0.001708968	0.000166348
2056 Aug	0.000870774	0.113640554	1.03465E-05	2.319948196	2.871581793	0.046640676	0.000597998	13.99866962	0.001726491	0.01007817	0.000291892	0.000284556	0.00010952	0.159357294	3.61861E-06	0.00038857	0.000602544	0.001701755	0.00016422
2056 Sep	0.000871045	0.113472521	1.03443E-05	2.312606096	2.864513874	0.04641388	0.000597651	13.93858624	0.001722046	0.010080623	0.000290214	0.000282938	0.000109124	0.158823624	3.60871E-06	0.000386672	0.000599796	0.001698104	0.000163215
2056 Oct	0.000872389	0.113252461	1.03404E-05	2.299241543	2.85270977	0.045996711	0.00059748	13.829772	0.001713886	0.010096664	0.000287149	0.000279966	0.000108343	0.157869533	3.59053E-06	0.000383286	0.000595244	0.001691401	0.000161371
2056 Nov	0.000872705	0.113200806	1.03395E-05	2.296104193	2.849938631	0.045898777	0.00059744	13.80422783	0.001711971	0.01010043	0.00028643	0.000279269	0.00010816	0.157645553	3.58626E-06	0.000382491	0.000594176	0.001689828	0.000160938
2056 Dec	0.000872716	0.113199033	1.03395E-05	2.295996428	2.849843502	0.045895424	0.000597438	13.80335236	0.001711905	0.010100558	0.000286405	0.000279245	0.000108153	0.157637879	3.58612E-06	0.000382463	0.000594139	0.001689774	0.000160923
2057 Jan	0.000872739	0.1132036	1.03395E-05	2.295980215	2.849912405	0.045897361	0.000597432	13.80303097	0.0017119	0.010100679	0.000286409	0.000279236	0.000108152	0.157638252	3.58604E-06	0.000382449	0.000594156	0.001689753	0.000160915
2057 Feb	0.000872766	0.113210596	1.03395E-05	2.296007633	2.850049973	0.045901537	0.000597424	13.80299854	0.001711923	0.01010078	0.000286427	0.000279235	0.000108152	0.15764226	3.586E-06	0.000382441	0.000594195	0.001689749	0.000160911
2057 Mar	0.000872781	0.113214418	1.03395E-05	2.296022654	2.850124598	0.045903813	0.00059742	13.80298042	0.001711936	0.010100835	0.000286437	0.000279234	0.000108153	0.157644466	3.58597E-06	0.000382437	0.000594217	0.001689747	0.000160908
2057 Apr	0.000872789	0.113216586	1.03395E-05	2.296031237	2.850167274	0.045905113	0.000597417	13.80296993	0.001711943	0.010100868	0.000286442	0.000279233	0.000108153	0.157645717	3.58596E-06	0.000382435	0.000594229	0.001689746	0.000160907
2057 May	0.000874675	0.113807656	1.03378E-05	2.295088053	2.859039545	0.046225809	0.000595421	13.7716589	0.001712385	0.010107861	0.000289786	0.000278988	0.000108262	0.157756433	3.57804E-06	0.0003809	0.000597756	0.001690421	0.000160103
2057 Jun	0.000874068	0.116934359	1.03032E-05	2.201858282	2.832405329	0.047060996	0.000548902	12.83270073	0.001673377	0.010100273	0.000306772	0.00027398	0.000105268	0.152135551	3.41674E-06	0.000348134	0.000621572	0.001720664	0.000143739
2057 Jul	0.000868821	0.116219714	1.02966E-05	2.172687769	2.796249866	0.046341784	0.000539309	12.60753727	0.001658313	0.010076009	0.000302289	0.00027249	0.000103895	0.149869367	3.3855E-06	0.000341559	0.000617635	0.00172618	0.000140569
2057 Aug	0.000868647	0.116108984	1.02956E-05	2.168809414	2.791683674	0.046220727	0.000538601	12.57764053	0.001656006	0.010071632	0.000301486	0.000271719	0.00010371	0.149574205	3.3809E-06	0.000340609	0.000615848	0.001724227	0.000140102
2057 Sep	0.000868757	0.115924068	1.02939E-05	2.162869453	2.785403013	0.046014056	0.000538532	12.52997112	0.001652304	0.010071844	0.000299882	0.000270299	0.000103387	0.149132505	3.3731E-06	0.000339112	0.00061315	0.001720733	0.000139311
2057 Oct	0.000869454	0.115797929	1.02922E-05	2.15692687	2.779848576	0.045803968	0.000538785	12.48267651	0.001648551	0.010080061	0.000298266	0.000268859	0.000103022	0.148702532	3.3652E-06	0.000337661	0.000610755	0.001717191	0.00013851
2057 Nov	0.000869548	0.115780987	1.0292E-05	2.156128883	2.779102802	0.04577576	0.000538819	12.47632599	0.001648047	0.010081164	0.000298049	0.000268665	0.000102973	0.148644805	3.36414E-06	0.000337466	0.000610434	0.001716715	0.000138402
2057 Dec	0.000869557	0.115779288	1.0292E-05	2.156048536	2.7790277	0.045772921	0.000538822	12.47568703	0.001647996	0.010081275	0.000298027	0.000268646	0.000102969	0.148638979	3.36404E-06	0.000337447	0.000610402	0.001716667	0.000138391
2058 Jan	0.000869577	0.115783058	1.0292E-05	2.156040668	2.779089451	0.045774575	0.00053882	12.47547054	0.001647995	0.010081377	0.000298031	0.000268639	0.000102967	0.148639679	3.36398E-06	0.000337436	0.000610415	0.001716648	0.000138385
2058 Feb	0.0008696	0.115788952	1.02919E-05	2.156067133	2.779207706	0.045778129	0.000538814	12.47547245	0.001648016	0.010081464	0.000298045	0.000268638	0.000102968	0.1486433	3.36395E-06	0.000337431	0.000610448	0.001716644	0.000138382
2058 Mar	0.000869613	0.115792163	1.02919E-05	2.156081438	2.779272079	0.045780063	0.000538811	12.4754734	0.001648027	0.010081512	0.000298053	0.000268637	0.000102968	0.148645282	3.36393E-06	0.000337428	0.000610466	0.001716642	0.00013838
2058 Apr	0.00086962	0.115793988	1.02919E-05	2.156089783	2.779309034	0.045781165	0.00053881	12.4754734	0.001648034	0.01008154	0.000298058	0.000268637	0.000102968	0.148646399	3.36392E-06	0.000337426	0.000610477	0.001716641	0.000138379
2058 May	0.000878785	0.118581794	1.02849E-05	2.15489769	2.823781252	0.047330283	0.000530587	12.35634327	0.001651697	0.010115717	0.000313908	0.000267706	0.00010362	0.149396017	3.33106E-06	0.000331104	0.00062709	0.001719251	0.000135046
2058 Jun	0.000906932	0.128493339	1.02496E-05	2.115082026	2.952102184	0.052497532	0.000486665	11.62101936	0.001648126	0.010218592	0.000370047	0.000263037	0.000104501	0.149556085	3.16623E-06	0.000298704	0.000688485	0.001739887	0.000118322
2058 Jul	0.0009029	0.127824485	1.02458E-05	2.096158266	2.925214052	0.051912043	0.000480997	11.4834671	0.001638011	0.010199914	0.000365962	0.000262091	0.000103558	0.148023471	3.14835E-06	0.000294892	0.000684536	0.001743002	0.000116509
2058 Aug	0.000902279	0.127489075	1.02439E-05	2.087631941	2.913500786	0.051587567	0.000479666	11.42229557	0.001632764	0.010189032	0.000363648	0.0002604	0.000103126	0.147344366	3.13948E-06	0.000293037	0.000679873	0.001738364	0.000115608
2058 Sep	0.000902643	0.126887754	1.02402E-05	2.073149681	2.895793676	0.050957635	0.000480685	11.31401348	0.00162328	0.010195713	0.000358466	0.000256797	0.00010224	0.146222144	3.1224E-06	0.000289839	0.000672082	0.001728872	0.000113875
2058 Oct	0.000903607	0.126524642	1.02376E-05	2.06273675	2.88391614	0.050499916	0.000481809	11.23668385	0.001616399	0.010210114	0.000354718	0.000254183	0.000101553	0.145429179	3.11001E-06	0.0002876	0.000666837	0.001721984	0.000112618
2058 Nov	0.00090372	0.126482189	1.02373E-05	2.061519384	2.88252759	0.050446406	0.00048194	11.22764397	0.001615594	0.010211797	0.00035428	0.000253877	0.000101472	0.145336464	3.10856E-06	0.000287338	0.000666224	0.001721178	0.000112471
2058 Dec	0.000903728	0.126479343	1.02373E-05	2.061437368	2.88243413	0.0504428	0.000481949	11.22703457	0.00161554	0.010211911	0.00035425	0.000253857	0.000101467	0.14533022	3.10846E-06	0.00028732	0.000666183	0.001721124	0.000112461
2059 Jan	0.000903749	0.126483053	1.02372E-05	2.061433077	2.882498264	0.050444428	0.000481949	11.22685146	0.00161554	0.010212019	0.000354251	0.000253849	0.000101466	0.145331159	3.10841E-06	0.000287311	0.000666195	0.001721102	0.000112456
2059 Feb	0.000903774	0.126489401	1.02372E-05	2.061465025	2.882628441	0.050448298	0.000481944	11.22688484	0.001615564	0.010212114	0.000354266	0.000253849	0.000101466	0.145335317	3.10838E-06	0.000287306	0.000666231	0.001721098	0.000112453
2059 Mar	0.000903787	0.126492858	1.02372E-05	2.06148243	2.882699728	0.050450414	0.000481941	11.22690296	0.001615578	0.010212165	0.000354274	0.000253848	0.000101467	0.145337567	3.10836E-06	0.000287304	0.000666251	0.001721096	0.000112451
2059 Apr	0.000903795	0.12649484	1.02372E-05	2.061492443	2.882740021	0.050451618	0.00048194	11.22691345	0.001615586	0.010212196	0.000354279	0.000253848	0.000101467	0.145338863	3.10836E-06	0.000287302	0.000666262	0.001721094	0.00011245
2059 May	0.000908416	0.127896264	1.02341E-05	2.062096119	2.905995131	0.051247392	0.000478145	11.17759895	0.001618048	0.010229385	0.000362308	0.00025353	0.000101848	0.145798326	3.09357E-06	0.000284469	0.00067472	0.00172248	0.00011095
2059 Jun	0.000922909	0.132933021	1.02183E-05	2.048842192	2.976508379	0.053967614	0.000457917	10.86524963	0.00161979	0.010282214	0.00039115	0.000251942	0.000102602	0.146360859	3.01975E-06	0.000270001	0.000706386	0.001733023	0.000103461
2059 Jul	0.000920927	0.132589921	1.02167E-05	2.040493727	2.963804245	0.053683881	0.000455484	10.80655003	0.001615273	0.010273051	0.000389094	0.000251572	0.000102176	0.145669356	3.01246E-06	0.000268429	0.000704398	0.001734483	0.000102722
2059 Aug	0.000920585	0.132428527	1.0216E-05	2.03716898	2.958846331	0.053542811	0.000455082	10.78339577	0.001613178	0.010268142	0.000388032	0.000250891	0.000102003	0.145397365	3.0092E-06	0.000267744	0.000702385	0.001732559	0.000102391
2059 Sep	0.000920626	0.132013395	1.0214E-05	2.028759718	2.947564602	0.053139038	0.000455924	10.72291279	0.001607549	0.010271315	0.000384633	0.000248771	0.000101472	0.144727454	2.99994E-06	0.000266016	0.000697398	0.001726798	0.000101451
2059 Oct	0.000922797	0.13082388	1.02073E-05	2.000636101	2.912281513	0.051773515	0.000459885	10.5222435	0.001588538	0.010309762	0.000373192	0.000241612	9.95482E-05	0.142526805	2.96865E-06	0.000260414	0.00068174	0.001707341	9.82762E-05
2059 Nov	0.000923143	0.130634308	1.02063E-05	1.996153712	2.906657934	0.051555868	0.000460516	10.49026012	0.001585508	0.010315891	0.000371368	0.000240471	9.92416E-05	0.142176047	2.96366E-06	0.000259521	0.000679244	0.00170424	9.77702E-05

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.000923149	0.13063091	1.02062E-05	1.996073604	2.906557322	0.051551975	0.000460527	10.48968697	0.001585453	0.010316001	0.000371336	0.000240451	9.92361E-05	0.142169788	2.96357E-06	0.000259505	0.0006792	0.001704185	9.77611E-05
2060 Jan	0.00092317	0.130634621	1.02062E-05	1.996072531	2.906624079	0.051553641	0.000460528	10.48953342	0.001585455	0.01031611	0.000371336	0.000240444	9.92349E-05	0.142170936	2.96352E-06	0.000259497	0.000679212	0.001704163	9.77562E-05
2060 Feb	0.000923196	0.130641267	1.02062E-05	1.996108294	2.906761885	0.051557731	0.000460523	10.48958874	0.001585482	0.010316207	0.000371352	0.000240444	9.92357E-05	0.142175421	2.9635E-06	0.000259493	0.00067925	0.001704159	9.77536E-05
2060 Mar	0.00092321	0.130644873	1.02062E-05	1.996127844	2.90683651	0.051559947	0.000460521	10.4896183	0.001585497	0.010316261	0.00037136	0.000240443	9.92361E-05	0.14217788	2.96348E-06	0.00025949	0.00067927	0.001704156	9.77521E-05
2060 Apr	0.000923218	0.130646855	1.02062E-05	1.996138573	2.906877995	0.051561181	0.00046052	10.48963451	0.001585505	0.01031629	0.000371365	0.000240443	9.92364E-05	0.142179221	2.96348E-06	0.000259489	0.000679282	0.001704155	9.77514E-05
2060 May	0.000934821	0.134227648	1.01989E-05	2.000059605	2.967882395	0.053638734	0.000451182	10.3845768	0.001593122	0.01035832	0.00039212	0.000240073	0.000100329	0.143513381	2.92927E-06	0.00025294	0.00070132	0.001708445	9.42811E-05
2060 Jun	0.000951039	0.140105635	1.01818E-05	1.988556504	3.052525759	0.056902256	0.000427735	10.05503559	0.001597515	0.010414632	0.000426334	0.000239206	0.000101423	0.144431546	2.84936E-06	0.000237219	0.000739406	0.001723073	8.61735E-05
2060 Jul	0.000948388	0.139630169	1.01802E-05	1.979026914	3.036572695	0.056536142	0.000425058	9.991306305	0.001592279	0.010402468	0.000423558	0.000238887	0.000100921	0.143615618	2.84206E-06	0.00023561	0.000736769	0.001725001	8.54326E-05
2060 Aug	0.000946216	0.13875854	1.01778E-05	1.966379762	3.015105486	0.055893801	0.000424747	9.90601635	0.001583923	0.010377879	0.000418219	0.000236004	0.000100242	0.142532393	2.83049E-06	0.000233183	0.000727658	0.001716683	8.42586E-05
2060 Sep	0.000941935	0.136506557	1.01713E-05	1.934988856	2.9632411	0.0542024	0.00042728	9.690925598	0.001562567	0.010338697	0.000403512	0.000228104	9.84131E-05	0.139861435	2.80011E-06	0.000227161	0.000704828	0.001694312	8.11771E-05
2060 Oct	0.000942645	0.13587822	1.01687E-05	1.923089504	2.946341991	0.053541608	0.000429575	9.611385345	0.001554251	0.010355863	0.000397828	0.000225028	9.75496E-05	0.138893783	2.78828E-06	0.000225089	0.000697321	0.001685601	7.99771E-05
2060 Nov	0.000942901	0.135651752	1.01678E-05	1.918800354	2.940250635	0.053303424	0.000430402	9.582714081	0.001551254	0.01036205	0.000395779	0.000223919	9.72384E-05	0.138545007	2.78402E-06	0.000224342	0.000694615	0.001682461	7.95446E-05
2060 Dec	0.000942906	0.135647118	1.01678E-05	1.918712854	2.940125942	0.053298563	0.000430419	9.582129478	0.001551192	0.010362177	0.000395737	0.000223896	9.7232E-05	0.138537869	2.78393E-06	0.000224327	0.00069456	0.001682397	7.95357E-05
2061 Jan	0.00094293	0.135651112	1.01678E-05	1.918716073	2.940201044	0.053300384	0.000430421	9.582004547	0.001551196	0.0103623	0.000395736	0.000223889	9.72307E-05	0.138539433	2.78389E-06	0.000224319	0.000694573	0.001682373	7.95311E-05
2061 Feb	0.000942959	0.135658562	1.01678E-05	1.918759584	2.940357924	0.053305015	0.000430417	9.582095146	0.001551228	0.010362412	0.000395753	0.000223889	9.72317E-05	0.138544694	2.78386E-06	0.000224315	0.000694616	0.001682369	7.95286E-05
2061 Mar	0.000942975	0.135662615	1.01678E-05	1.918783069	2.940443039	0.05330753	0.000430415	9.582143784	0.001551245	0.010362471	0.000395762	0.000223889	9.72322E-05	0.138547555	2.78385E-06	0.000224313	0.00069464	0.001682367	7.95273E-05
2061 Apr	0.000942984	0.135664925	1.01678E-05	1.918796539	2.940491676	0.053308968	0.000430414	9.582172394	0.001551255	0.010362506	0.000395768	0.000223889	9.72325E-05	0.138549179	2.78384E-06	0.000224312	0.000694653	0.001682366	7.95266E-05
2061 May	0.000954628	0.139299586	1.01614E-05	1.925918221	3.004381418	0.055461913	0.000421581	9.504365921	0.00156069	0.010405648	0.000417013	0.000224121	9.84751E-05	0.140111983	2.75412E-06	0.00021865	0.000717611	0.001687774	7.65108E-05
2061 Jun	0.000968487	0.144798741	1.01462E-05	1.91636014	3.082822323	0.058569044	0.000398331	9.20977211	0.001566024	0.010455017	0.000449496	0.000224676	9.95742E-05	0.141022429	2.68295E-06	0.000204553	0.000755323	0.001706655	6.92899E-05
2061 Jul	0.000965133	0.144115329	1.01445E-05	1.904296279	3.061018229	0.058041491	0.000395205	9.134262085	0.001559131	0.010437966	0.000445442	0.000224108	9.89112E-05	0.139961541	2.67494E-06	0.000202742	0.00075081	0.001707815	6.84779E-05
2061 Aug	0.000964625	0.143898502	1.01439E-05	1.900837421	3.054792643	0.057861667	0.00039481	9.113282204	0.001556867	0.010431949	0.00044405	0.000223443	9.87161E-05	0.139659524	2.67242E-06	0.000202186	0.000748312	0.001705721	6.82218E-05
2061 Sep	0.000964035	0.14347738	1.01429E-05	1.895461679	3.04528904	0.057531629	0.000395673	9.079079628	0.001553059	0.010428836	0.000441129	0.000222052	9.83632E-05	0.139189959	2.66782E-06	0.00020131	0.000744097	0.001701612	6.77552E-05
2061 Oct	0.000964691	0.142226323	1.01393E-05	1.876106739	3.014307022	0.056317128	0.000400397	8.958491325	0.001539074	0.01045592	0.000430455	0.000216943	9.68874E-05	0.13755171	2.65094E-06	0.00019842	0.000730263	0.001686527	6.6042E-05
2061 Nov	0.00096492	0.141790897	1.01381E-05	1.869370103	3.003523588	0.055894416	0.000402041	8.916519165	0.001534207	0.010465348	0.00042674	0.000215164	9.63738E-05	0.136981517	2.64506E-06	0.000197414	0.000725448	0.001681276	6.54457E-05
2061 Dec	0.000964922	0.141785711	1.01381E-05	1.869289875	3.003395319	0.055889379	0.000402061	8.916020393	0.001534149	0.01046546	0.000426696	0.000215143	9.63677E-05	0.136974722	2.64499E-06	0.000197402	0.000725391	0.001681214	6.54386E-05
2062 Jan	0.000964944	0.141789287	1.0138E-05	1.8692906074	3.003465891	0.055891037	0.000402065	8.915935516	0.001534154	0.010465575	0.000426693	0.000215136	9.63664E-05	0.136976346	2.64495E-06	0.000197396	0.000725403	0.00168119	6.54348E-05
2062 Feb	0.000964972	0.14179647	1.0138E-05	1.869340301	3.003618479	0.055895519	0.000402062	8.916044235	0.001534186	0.010465682	0.000426709	0.000215137	9.63674E-05	0.136981592	2.64493E-06	0.000197393	0.000725444	0.001681186	6.54328E-05
2062 Mar	0.000964988	0.141800374	1.0138E-05	1.869364381	3.003701687	0.055897962	0.00040206	8.916104317	0.001534203	0.01046574	0.000426718	0.000215137	9.6368E-05	0.136984438	2.64492E-06	0.000197391	0.000725467	0.001681184	6.54318E-05
2062 Apr	0.000964996	0.141802594	1.0138E-05	1.86937809	3.003749371	0.055899356	0.000402059	8.916138649	0.001534213	0.010465773	0.000426723	0.000215137	9.63683E-05	0.136986062	2.64491E-06	0.00019739	0.00072548	0.001681183	6.54312E-05
2062 May	0.000965	0.141803563	1.0138E-05	1.869383216	3.003769159	0.055899959	0.000402058	8.916146278	0.001534217	0.010465787	0.000426726	0.000215137	9.63685E-05	0.136986703	2.64491E-06	0.00019739	0.000725485	0.001681183	6.54308E-05
2062 Jun	0.000933736	0.136774644	1.01262E-05	1.783942819	2.846733809	0.052413568	0.000376107	8.366294861	0.001488433	0.010340218	0.00039909	0.000216415	9.17958E-05	0.129402801	2.58947E-06	0.000184723	0.000706243	0.00171714	5.98056E-05
2062 Jul	0.000916198	0.133763745	1.0119E-05	1.732086539	2.751786947	0.050251313	0.000360908	8.036075592	0.001460068	0.010263537	0.000382177	0.000216175	8.9004E-05	0.124811649	2.55574E-06	0.000177015	0.000691989	0.00173348	5.63838E-05
2062 Aug	0.000913709	0.132558227	1.01163E-05	1.716314673	2.722486258	0.049345795	0.000360873	7.938551903	0.001449142	0.010228383	0.000374722	0.000212128	8.8123E-05	0.123418428	2.54328E-06	0.000174327	0.000678208	0.001719961	5.51199E-05
2062 Sep	0.00091371	0.131579116	1.01138E-05	1.703756928	2.701269865	0.048508693	0.000364655	7.859345436	0.00143969	0.010233276	0.000367206	0.000208084	8.72123E-05	0.122337997	2.53185E-06	0.000172305	0.000667148	0.001707019	5.39599E-05
2062 Oct	0.000917843	0.129543588	1.01077E-05	1.672678709	2.653534889	0.046395741	0.000376455	7.66709137	0.001415873	0.01030189	0.000348345	0.000197897	8.4655E-05	0.119741373	2.50304E-06	0.000167684	0.000641681	0.00167441	5.10371E-05
2062 Nov	0.000918188	0.129373282	1.01072E-05	1.670078278	2.649540663	0.046218939	0.000377442	7.651003838	0.00141388	0.010307631	0.000346767	0.000197044	8.4441E-05	0.119524099	2.50063E-06	0.000167298	0.000639551	0.001671681	5.07925E-05
2062 Dec	0.000918195	0.129369959	1.01071E-05	1.670027733	2.649462938	0.046215501	0.000377461	7.650691509	0.001413842	0.010307742	0.000346736	0.000197028	8.44368E-05	0.119519882	2.50058E-06	0.00016729	0.000639509	0.001671628	5.07877E-05
2063 Jan	0.000918217	0.129373759	1.01071E-05	1.670043349	2.649543285	0.046217453	0.000377466	7.650681973	0.001413852	0.010307853	0.000346738	0.000197023	8.44363E-05	0.119522206	2.50056E-06	0.000167286	0.000639524	0.001671608	5.07851E-05
2063 Feb	0.000918243	0.12938042	1.01071E-05	1.670087814	2.649687767	0.046221677	0.000377464	7.650812149	0.001413883	0.010307951	0.000346754	0.000197024	8.44375E-05	0.119527303	2.50054E-06	0.000167285	0.000639563	0.001671605	5.07838E-05
2063 Mar	0.000918257	0.129384056	1.01071E-05	1.670112014	2.649766445	0.046223979	0.000377463	7.650883198	0.001413901	0.010308005	0.000346763	0.000197024	8.44382E-05	0.119530074	2.50054E-06	0.000167284	0.000639584	0.001671603	5.07831E-05
2063 Apr	0.000918265	0.129386127	1.01071E-05	1.670125723	2.649811268	0.046225291	0.000377462	7.650923252	0.00141391	0.010308036	0.000346768	0.000197024	8.44386E-05	0.119531654	2.50053E-06	0.000167283	0.000639596	0.001671602	5.07826E-05
2063 May	0.000924508	0.131307542	1.01051E-05	1.678338408	2.686978817	0.047426719	0.000374077	7.64866209	0.001421176	0.010330466	0.000358229	0.000197645	8.52957E-05	0.120664857	2.49112E-06	0.000165547	0.000652022	0.001674487	4.98273E-05
2063 Jun	0.000939473	0.138654664	1.00891E-05	1.677914858	2.798141241	0.051910687	0.000342043	7.363894463	0.001436282	0.010375498	0.000403843	0.000202565	8.74718E-05	0.122676939	2.41643E-06	0.000150448	0.00070806	0.001711988	4.22496E-05
2063 Jul	0.000930965	0.137163788	1.00867E-05	1.656003237	2.754050493	0.050888538	0.000335718	7.233415604	0.00142412	0.010337826	0.000395617	0.0002028	8.62538E-05	0.1206645	2.40502E-06	0.000147697	0.000701117	0.00171979	4.10925E-05
2063 Aug	0.000930334	0.136866197	1.00862E-05	1.652476668	2.746812582	0.05066533	0.00033569	7.213736057	0.00142162	0.010329181	0.000393786	0.000201914	8.60482E-05	0.120340906	2.40282E-06	0.000147197	0.000697732	0.00171662	4.08687E-05
2063 Sep	0.000928966	0.136089683	1.00851E-05	1.645444036	2.731891632	0.050136153	0.000337698	7.172482967	0.00141618	0.010315144	0.000388911	0.000199567	8.55901E-05	0.119683087	2.39762E-06	0.000146175	0.000690028	0.001708728	4.03414E-05
2063 Oct	0.000929727	0.135565415	1.0084E-05	1.639023542	2.720532656	0.049629971	0.000340748	7.136826515	0.001410996	0.010329902	0.000384303	0.00019733	8.50222E-05	0.119119018	2.39267E-06	0.000145438	0.000683886	0.001701208	3.98389E-05
2063 Nov	0.000929858	0.135474578	1.00839E-05	1.637911081	2.718564749	0.049542274	0.000341276	7.13064909	0.001410098	0.01033246	0.000383505	0.000196942	8.49238E-05	0.119021297	2.39181E-06	0.00014531	0.000682822	0.001699905	3.97518E-05
2063 Dec	0.000929864	0.135470673	1.00839E-05	1.637863398	2.718480349	0.049538516	0.000341299	7.130383968	0.001410059	0.010332569	0.000383471	0.000196926	8.49196E-05	0.119017102	2.39177E-06	0.000145304	0.000682777	0.001699849	3.97481E-05
2064 Jan	0.000929885	0.135474205	1.00839E-05	1.637880802	2.718557835	0.049540311	0.000341306	7.130401134	0.00141007	0.010332679	0.00038347	0.000196921	8.4919E-05	0.119019471	2.39175E-06	0.000145302	0.000682789	0.001699827	3.9746E-05
2064 Feb	0.000929911	0.135480821	1.00839E-05	1.637927055	2.718703032	0.049544528	0.000341304	7.130548	0.001410102	0.010332778	0.000383486	0.000196922	8.49203E-05	0.119024687	2.39174E-06	0.0001453	0.000682828	0.001699823	3.97449E-05
2064 Mar	0.000929926	0.135484427	1.00838E-05	1.637952089	2.718781948	0.049546812	0.000341304	7.130628109	0.001410119	0.010332833	0.000383494	0.000196922	8.49209E-05	0.11902751	2.39174E-06	0.0001453	0.000682849	0.001699821	3.97444E-05
2064 Apr	0.000929934	0.135486424	1.00838E-05	1.637965918	2.718825817	0.049548086	0.000341303	7.130672455	0.001410129	0.010332862	0.000383499	0.000196922	8.49213E-05	0.119029075	2.39173E-06	0.000145299	0.00068286	0.00169982	3.9744E-05
2064 May	0.000939213	0.138269901	1.00814E-05	1.651550293	2.774087906	0.051302787	0.000337135	7.142260075	0.001421432	0.0103667	0.000400094	0.000197881	8.6228E-05	0.120789498	2.38038E-06	0.000143262	0.000700751	0.001703448	3.8592E-05
2064 Jun	0.000960752	0.145677447	1.00723E-05	1.677339554	2.910834312	0.055945825	0.000319528	7.08344698	0.001447501	0.010442601	0.000444934	0.000201475	8.93541E-05	0.124714121	2.33782E-06	0.000135116	0.000751509	0.001722645	3.42743E-05
2064 Jul	0.000956798	0.144739121	1.00711E-05	1.664582968	2.883738518	0.055245236	0.000316694	7.015033722	0.001439708	0.010419142	0.000439382	0.000200688	8.86003E-05	0.123521082	2.33233E-06	0.000133731	0.000744402	0.001721938	3.37169E-05
2064 Aug	0.000954885	0.143857524	1.00701E-05	1.654213071	2.861256361	0.054561537	0.000316244	6.962250233	0.001432363	0.010395203	0.000433866	0.000198362	8.79669E-05	0.122548141	2.32731E-06	0.000132526	0.000734415	0.001713278	3.32078E-05
2064 Sep	0.000952501	0.142200947	1.00682E-05	1.639979362	2.829294682	0.053379763	0.000321426	6.8866539	0.001420995	0.01037916	0.000422898	0.000193673	8.69162E-05	0.121181503	2.3187E-06	0.000130949	0.000718361	0.001697284	3.23347E-05
2064 Oct	0.000952796	0.141822413	1.00677E-05	1.635974288	2.821368694	0.053035166	0.000323476	6.866419315	0.001417689	0.010387962	0.000419726	0.000192309	8.65477E-05	0.120814115	2.3162E-06	0.000130603	0.000714267	0.001692633	3.20808E-05
2064 Nov	0.0009528	0.141816929	1.00677E-05	1.635916352	2.821253538	0.053030174	0.000323506	6.866126537	0.001417641	0.010388089	0.00041968	0.000192289	8.65424E-05	0.120808795	2.31616E-06	0.000130598	0.000714208	0.001692566	3.20771E-05
2064 Dec	0.000952802	0.141814038	1.00677E-05	1.635885596	2.82119298	0.053027537	0.000323522	6.865971088	0.001417616	0.010388156	0.000419656	0.000192279	8.65396E-05	0.120805986	2.31615E-06	0.000130596	0.000714176	0.00169253	3.20751E-05
2065 Jan	0.000952815	0.14181608	1.00677E-05	1.635896802	2.821239233	0.053028569	0.000323527	6.865990639	0.001417622	0.010388225	0.000419654	0.000192276	8.65392E-05	0.120807447	2.31613E-06	0.000130595	0.000714183	0.001692516	3.20741E-05
2065 Feb	0.000952832	0.141820192	1.00677E-05	1.635926247	2.82133007	0.053031188	0.000323526	6.866088867	0.001417642	0.010388288	0.000419663	0.000192276	8.65399E-05	0.120810717	2.31613E-06	0.000130594	0.000714207	0.001692514	3.20735E-05
2065 Mar	0.00095284	0.141822413	1.00677E-05	1.635942221	2.821379423	0.053032614	0.000323526	6.866142273	0.001417654	0.010388322	0.000419669	0.000192277	8.65403E-05	0.120812513	2.31613E-06	0.000130594	0.00071422	0.001692512	3.20732E-05
2065 Apr	0.000952846	0.141823694	1.00677E-05	1.635951281	2.821407557	0.05303343	0.000323526	6.866172314	0.00141766	0.010388341	0.000419671	0.000192277	8.65406E-05	0.120813526	2.31612E-06	0.000130594	0.000714228	0.001692512	3.20731E-05
2065 May	0.000959958	0.143970057	1.0066E-05	1.647214532	2.86457634	0.054398693	0.00032051	6.88206768	0.001426811	0.01041495	0.000432507	0.00019318	8.75806E-05	0.122224197	2.30856E-06	0.000129263	0.000728247	0.001695682	3.13055E-05
2065 Jun	0.000967871	0.14773716	1.006E-05	1.65383482	2.926788807	0.056781381	0.000306355	6.796494484	0.001438044	0.010442574	0.000456068	0.000196572	8.89712E-05	0.123726115	2.28013E-06	0.00012354	0.000757774	0.001715554	2.84212E-05
2065 Jul	0.00096353	0.146899283	1.00592E-05	1.643539786	2.903766632	0.056216728	0.000303823	6.741189957	0.001432067	0.010423381	0.000451377	0.000196655	8.83596E-05	0.122738667	2.2764E-06	0.000122562	0.000753471	0.001718688	2.80431E-05
2065 Aug	0.000962326	0.146400303	1.00587E-05	1.639209509	2.893328667	0.055881102	0.000304394	6.719475746	0.001428789	0.010410555	0.000448413	0.000195464	8.80871E-05	0.122312441	2.2744E-06	0.000122096	0.000748566	0.00171439	2.78402E-05
2065 Sep	0.000961447	0.144817188	1.00572E-05	1.625254869	2.862128496	0.054631714	0.000311001	6.651612282	0.001417225	0.010417773	0.000436803	0.000190732	8.68937E-05	0.120970793	2.267E-06	0.000120963	0.000732745	0.001697955	2.70894E-05
2065 Oct	0.000962776	0.1424523	1.00545E-05	1.602206945	2.813630581	0.052531403	0.000323636	6.542640209	0.001397808	0.010468137	0.000417359	0.000182786	8.47114E-05	0.118803501	2.25458E-06	0.000119382	0.000707812	0.001670361	2.58287E-05
2065 Nov	0.000963019	0.142019942	1.0054E-05	1.597993374	2.804764032	0.052147422	0.000325945	6.522717953	0.001394258	0.010477345	0.000413805	0.000181334	8.43124E-05	0.118407279	2.25231E-06	0.000119093	0.000703254	0.001665316	2.55982E-05
2065 Dec	0.000963022	0.142014936	1.0054E-05	1.597944736	2.804661751	0.052142985	0.000325972	6.52248764	0.001394217	0.010477451	0.000413763	0.000181317	8.43078E-05	0.118402705	2.25228E-06	0.00011909	0.000703202	0.001665257	2.55956E-05
2066 Jan	0.000963043	0.142018467	1.0054E-05	1.597966552	2.804742813	0.05214484	0.00032598	6.522542	0.00139423	0.010477564	0.000413761	0.000181312	8.43072E-05	0.118405387	2.25227E-06	0.000119088	0.000703215	0.001665235	2.55941E-05
2066 Feb	0.000963071	0.14202553	1.0054E-05	1.59801805	2.804899454	0.052149374	0.00032598	6.522720814	0.001394266	0.01047767	0.000413778	0.000181314	8.43086E-05	0.118411094	2.25226E-06	0.000119088	0.000703256	0.001665232	2.55934E-05
2066 Mar	0.000963086	0.14202939	1.0054E-05	1.598046422	2.804984808	0.052151851	0.000325979	6.522818565	0.001394285	0.010477725	0.000413786	0.000181315	8.43093E-05	0.118414216	2.25225E-06	0.000119087	0.000703279	0.00166523	2.55929E-05
2066 Apr	0.000963095	0.14203158	1.0054E-05	1.598062515	2.805033445	0.052153263	0.000325979	6.522874355	0.001394296	0.010477758	0.000413791	0.000181315	8.43097E-05	0.118415989	2.25225E-06	0.000119087	0.000703292	0.001665229	2.55927E-05
2066 May	0.000963906	0.142284349	1.00538E-05	1.59950006	2.810176611	0.0523169	0.000325617	6.525729656	0.001395443	0.010480649	0.000415321	0.000181452	8.44386E-05	0.118589364	2.25154E-06	0.000118963	0.000704977	0.001665679	2.55205E-05
2066 Jun	0.000949623	0.141665518	1.00479E-05	1.568413615	2.766860962	0.052002158	0.000304515	6.281814575	0.001383677	0.010416734	0.000414929	0.000186834	8.33326E-05	0.116081253	2.22366E-06	0.00011232	0.000714325	0.0017028	2.26915E-05
2066 Jul	0.000941572	0.140153632	1.00466E-05	1.550065637	2.725044489	0.050993416	0.000299549	6.185117245	0.001373089	0.010378911	0.000406615	0.000187148	8.22559E-05	0.114308164	2.21769E-06	0.000110657	0.00070658	0.001708815	2.20857E-05
2066 Aug	0.000940701	0.139750287	1.00463E-05	1.54613018	2.715692759	0.050700054	0.000299675	6.166574955	0.001370148	0.010367461	0.000404166	0.000186111	8.20107E-05	0.113924451	2.21613E-06	0.000110261	0.000702109	0.001704759	2.1928E-05
2066 Sep	0.000940552	0.139128208	1.00457E-05	1.541071892	2.703999996	0.050209872	0.00030264	6.143149853	0.001365738	0.010370907	0.000399564	0.000184132	8.15571E-05	0.113431126	2.21356E-06	0.000109899	0.000695662	0.001697613	2.16667E-05
2066 Oct	0.000941443	0.138315201	1.00449E-05	1.533666253	2.688074589	0.049476463	0.000307681	6.110124588	0.001359149	0.010391248	0.000392708	0.000181175	8.08085E-05	0.112727955	2.20971E-06	0.000109487	0.000686679	0.001686937	2.12764E-05

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.00094169	0.138089031	1.00447E-05	1.531606078	2.683644056	0.049272433	0.000309084	6.100937366	0.001357317	0.010396907	0.000390801	0.000180353	8.06002E-05	0.11253234	2.20864E-06	0.000109372	0.000684179	0.001683967	2.11678E-05
2066 Dec	0.000941695	0.138084635	1.00447E-05	1.531566024	2.683557987	0.049268469	0.000309111	6.100759029	0.001357281	0.010397017	0.000390764	0.000180337	8.05961E-05	0.11252854	2.20862E-06	0.00010937	0.000684131	0.001683909	2.11657E-05
2067 Jan	0.000941717	0.138088211	1.00447E-05	1.531590343	2.683642149	0.049270395	0.00030912	6.100833893	0.001357295	0.010397131	0.000390763	0.000180332	8.05958E-05	0.112531416	2.20861E-06	0.000109369	0.000684144	0.001683887	2.11645E-05
2067 Feb	0.000941744	0.138095096	1.00446E-05	1.531641841	2.683795452	0.049274821	0.00030912	6.101016998	0.00135733	0.010397232	0.000390779	0.000180334	8.05972E-05	0.112537064	2.2086E-06	0.000109368	0.000684184	0.001683883	2.11639E-05
2067 Mar	0.000941759	0.138098851	1.00446E-05	1.531669855	2.683879137	0.049277235	0.00030912	6.101117134	0.001357349	0.010397289	0.000390788	0.000180334	8.0598E-05	0.112540141	2.2086E-06	0.000109368	0.000684206	0.001683881	2.11636E-05
2067 Apr	0.000941768	0.138100997	1.00446E-05	1.531685829	2.683926821	0.049278613	0.000309119	6.101173878	0.001357361	0.010397321	0.000390793	0.000180335	8.05984E-05	0.112541892	2.20859E-06	0.000109368	0.000684219	0.00168388	2.11634E-05
2067 May	0.000948235	0.140060678	1.00437E-05	1.543747544	2.72465539	0.050554231	0.000306778	6.13116169	0.001366648	0.010420459	0.000402649	0.000181377	8.16347E-05	0.113952115	2.20422E-06	0.000108647	0.000697138	0.001686839	2.07195E-05
2067 Jun	0.000959826	0.144470751	1.00403E-05	1.564967275	2.809474707	0.053457092	0.000296413	6.147704601	0.001385765	0.010458687	0.000430192	0.000185185	8.38107E-05	0.116673544	2.18822E-06	0.000105549	0.000729532	0.001702756	1.90967E-05
2067 Jul	0.000956889	0.143843874	1.00399E-05	1.557611942	2.792274952	0.053021882	0.000294653	6.111203194	0.001381311	0.010442834	0.000426642	0.000185036	8.33672E-05	0.115956239	2.18618E-06	0.000104945	0.000725503	0.001703592	1.88892E-05
2067 Aug	0.000955236	0.143052697	1.00393E-05	1.548655391	2.771302223	0.052389722	0.000293923	6.071678638	0.001374852	0.010420353	0.000421666	0.000183096	8.28015E-05	0.115089625	2.18344E-06	0.000104167	0.000716105	0.001695581	1.86114E-05
2067 Sep	0.000954439	0.142362952	1.00388E-05	1.543673515	2.758693218	0.051897168	0.000296586	6.049280643	0.001370538	0.010416453	0.00041701	0.000181219	8.2385E-05	0.114584841	2.18133E-06	0.000103831	0.000709434	0.001688783	1.83972E-05
2067 Oct	0.000955357	0.141113922	1.00378E-05	1.53298986	2.734450102	0.050802201	0.00030397	6.004361153	0.001360968	0.010444436	0.000406731	0.000177055	8.12904E-05	0.113547012	2.17665E-06	0.000103397	0.000696199	0.001673706	1.79221E-05
2067 Nov	0.000955573	0.140820533	1.00376E-05	1.530480385	2.728755474	0.050544996	0.000305705	5.9938097	0.00135872	0.01045101	0.000404316	0.000176077	8.10332E-05	0.113303229	2.17555E-06	0.000103295	0.000693091	0.001670165	1.78105E-05
2067 Dec	0.000955577	0.140815064	1.00376E-05	1.530433536	2.728649378	0.050540209	0.000305737	5.993613243	0.001358678	0.010451132	0.000404271	0.000176059	8.10285E-05	0.113298692	2.17553E-06	0.000103293	0.000693033	0.001670099	1.78084E-05
2068 Jan	0.000955601	0.140818998	1.00376E-05	1.53046155	2.728742838	0.050542329	0.000305747	5.993705273	0.001358694	0.010451258	0.00040427	0.000176054	8.1028E-05	0.113301933	2.17552E-06	0.000103292	0.000693047	0.001670074	1.78073E-05
2068 Feb	0.000955632	0.140826851	1.00376E-05	1.530521035	2.728918791	0.050547406	0.000305747	5.9939280803	0.001358735	0.010451375	0.000404288	0.000176056	8.10296E-05	0.11330843	2.17551E-06	0.000103292	0.000693094	0.00167007	1.78067E-05
2068 Mar	0.000955649	0.140831128	1.00376E-05	1.530553341	2.729014158	0.050550159	0.000305747	5.994037628	0.001358757	0.010451438	0.000404298	0.000176057	8.10305E-05	0.113311961	2.17551E-06	0.000103292	0.000693119	0.001670068	1.78064E-05
2068 Apr	0.000955658	0.140833497	1.00376E-05	1.530571222	2.729067087	0.05055169	0.000305747	5.994102955	0.001358769	0.010451474	0.000404303	0.000176057	8.1031E-05	0.113313913	2.1755E-06	0.000103292	0.000693133	0.001670067	1.78062E-05
2068 May	0.000962212	0.142852113	1.00367E-05	1.543394685	2.771279573	0.051876917	0.000303338	6.028306007	0.001368593	0.010474821	0.000416583	0.000177258	8.2121E-05	0.114793122	2.1716E-06	0.000102662	0.000706643	0.001673515	1.74098E-05
2068 Jun	0.000974096	0.148456857	1.00321E-05	1.568089008	2.875336409	0.055652961	0.000286317	6.029116631	0.001392963	0.01051022	0.000452609	0.000183913	8.48928E-05	0.118056707	2.14994E-06	9.82318E-05	0.000751449	0.001702967	1.52129E-05
2068 Jul	0.000966989	0.146921292	1.00313E-05	1.551166415	2.834301472	0.054602448	0.000282527	5.948410034	0.001382593	0.010472643	0.000443923	0.000183622	8.38504E-05	0.116379336	2.14621E-06	9.70317E-05	0.000741723	0.001704976	1.48344E-05
2068 Aug	0.000966039	0.146517828	1.00311E-05	1.547741294	2.825427055	0.054321386	0.000282812	5.933726788	0.001379962	0.010461846	0.00044151	0.000182721	8.36273E-05	0.116031773	2.14529E-06	9.67719E-05	0.000737561	0.001701412	1.47411E-05
2068 Sep	0.000965422	0.145626679	1.00306E-05	1.541332006	2.808967352	0.053648889	0.000286778	5.907600403	0.001374254	0.010464123	0.000435145	0.000180277	8.30341E-05	0.115376554	2.14311E-06	9.65128E-05	0.000728871	0.001692452	1.45196E-05
2068 Oct	0.000965622	0.145206377	1.00304E-05	1.537983179	2.800915956	0.053289454	0.000289185	5.894593716	0.001371207	0.010472556	0.000431757	0.000178972	8.26837E-05	0.115042955	2.14195E-06	9.64353E-05	0.000724541	0.001687669	1.44014E-05
2068 Nov	0.000965638	0.145172775	1.00304E-05	1.537715554	2.800272226	0.053260729	0.000289377	5.893554211	0.001370963	0.01047323	0.000431486	0.000178867	8.26557E-05	0.115016297	2.14185E-06	9.64291E-05	0.000724195	0.001687287	1.4392E-05
2068 Dec	0.00096564	0.145168886	1.00304E-05	1.53768456	2.80019784	0.053257402	0.0002894	5.893434048	0.001370935	0.010473308	0.000431455	0.000178855	8.26525E-05	0.115013205	2.14184E-06	9.64284E-05	0.000724155	0.001687243	1.43909E-05
2069 Jan	0.000965656	0.145171359	1.00304E-05	1.537703037	2.800257683	0.053258725	0.000289407	5.893500328	0.001370945	0.010473391	0.000431453	0.000178852	8.26521E-05	0.115015313	2.14184E-06	9.64282E-05	0.000724163	0.001687226	1.43903E-05
2069 Feb	0.000965676	0.14517644	1.00304E-05	1.537742257	2.800371885	0.053262014	0.000289407	5.89364481	0.001370972	0.010473467	0.000431464	0.000178853	8.26532E-05	0.11501956	2.14183E-06	9.64283E-05	0.000724193	0.001687223	1.439E-05
2069 Mar	0.000965687	0.145179212	1.00304E-05	1.537763476	2.800434351	0.05326381	0.000289407	5.893723488	0.001370986	0.010473509	0.00043147	0.000178854	8.26537E-05	0.115021884	2.14183E-06	9.64284E-05	0.000724209	0.001687221	1.43898E-05
2069 Apr	0.000965693	0.145180807	1.00304E-05	1.537775636	2.800469875	0.05326483	0.000289408	5.893768311	0.001370995	0.010473533	0.000431474	0.000178854	8.2654E-05	0.115023196	2.14183E-06	9.64284E-05	0.000724219	0.00168722	1.43897E-05
2069 May	0.000966246	0.145348623	1.00303E-05	1.538881779	2.804017544	0.053375266	0.000289229	5.89695406	0.001371829	0.01047553	0.000432491	0.000178953	8.27459E-05	0.115149081	2.14156E-06	9.63869E-05	0.000725338	0.001687487	1.43618E-05
2069 Jun	0.000947461	0.14310424	1.00274E-05	1.506029963	2.73418951	0.052097075	0.000273517	5.698253632	0.001356287	0.010396854	0.000422385	0.000183855	8.1122E-05	0.11205712	2.12796E-06	9.2563E-05	0.000723861	0.001720165	1.29828E-05
2069 Jul	0.000939562	0.141629517	1.00267E-05	1.490268469	2.695423365	0.051152848	0.000269478	5.620748043	0.001347113	0.010361765	0.000414375	0.000184472	8.01644E-05	0.110480651	2.12475E-06	9.14938E-05	0.00071693	0.001726739	1.26567E-05
2069 Aug	0.000938012	0.140915319	1.00264E-05	1.484853029	2.680813074	0.050671622	0.000270477	5.598083496	0.001342736	0.010342435	0.00041014	0.000182744	7.98073E-05	0.109920926	2.1233E-06	9.10911E-05	0.000709478	0.001719801	1.25092E-05
2069 Sep	0.000938101	0.13959305	1.00257E-05	1.475658655	2.657207251	0.049625486	0.000277735	5.56313324	0.001334018	0.010355063	0.000400168	0.000178605	7.88732E-05	0.108979851	2.12016E-06	9.08452E-05	0.000695725	0.001704163	1.2191E-05
2069 Oct	0.000940291	0.137669429	1.00246E-05	1.461075068	2.621884823	0.047932558	0.000290593	5.510262489	0.001319926	0.010403369	0.000384086	0.000171913	7.72332E-05	0.107520901	2.11509E-06	9.0683E-05	0.000674683	0.001678884	1.16766E-05
2069 Nov	0.000940809	0.13721393	1.00244E-05	1.457621694	2.613520622	0.047531679	0.000293638	5.49774313	0.001316589	0.010414807	0.000380278	0.000170328	7.68448E-05	0.107175425	2.11389E-06	9.06446E-05	0.0006697	0.001672898	1.15549E-05
2069 Dec	0.000940815	0.137208953	1.00244E-05	1.457583904	2.61342907	0.047527291	0.000293671	5.497605801	0.001316552	0.010414932	0.000380236	0.000170311	7.68405E-05	0.10717164	2.11388E-06	9.06442E-05	0.000669646	0.001672832	1.15535E-05
2070 Jan	0.00094084	0.137213156	1.00244E-05	1.457616806	2.613530874	0.047529634	0.000293683	5.497730732	0.001316571	0.010415062	0.000380236	0.000170307	7.68404E-05	0.10717532	2.11387E-06	9.06443E-05	0.000669662	0.001672807	1.15528E-05
2070 Feb	0.000940872	0.137221187	1.00244E-05	1.457679033	2.613711596	0.047534835	0.000293683	5.497963905	0.001316613	0.010415182	0.000380255	0.000170309	7.68421E-05	0.107182048	2.11386E-06	9.06446E-05	0.000669709	0.001672803	1.15524E-05
2070 Mar	0.000940889	0.137225538	1.00244E-05	1.457712889	2.613809586	0.047537662	0.000293683	5.498090267	0.001316636	0.010415245	0.000380266	0.00017031	7.68431E-05	0.107185714	2.11386E-06	9.06447E-05	0.000669735	0.001672801	1.15522E-05
2070 Apr	0.00094092	0.137233213	1.00244E-05	1.457772493	2.613982916	0.04754265	0.000293683	5.498313904	0.001316677	0.010415358	0.000380284	0.000170311	7.68448E-05	0.107192166	2.11386E-06	9.0645E-05	0.00066978	0.001672797	1.15518E-05
2070 May	0.000946857	0.13904044	1.00239E-05	1.470224738	2.652557373	0.048741207	0.000291857	5.537395954	0.001325946	0.010436211	0.000391255	0.000171449	7.78577E-05	0.108584419	2.11169E-06	9.03487E-05	0.000681848	0.001675677	1.13317E-05
2070 Jun	0.000960606	0.144053712	1.0022E-05	1.501238942	2.754776955	0.052125849	0.000282638	5.615460396	0.001351013	0.010480852	0.000422775	0.000176173	8.06314E-05	0.112163872	2.10268E-06	8.86985E-05	0.000718542	0.001692255	1.04174E-05
2070 Jul	0.000956756	0.143285751	1.00217E-05	1.49309361	2.734419346	0.051619604	0.000280576	5.57727766	0.00134613	0.010461289	0.000418557	0.000176287	8.01342E-05	0.111344911	2.10132E-06	8.81872E-05	0.000714215	0.001694375	1.02798E-05
2070 Aug	0.000955517	0.142724752	1.00215E-05	1.487918019	2.721037865	0.051205032	0.000280574	5.556640625	0.001342201	0.010445211	0.00041515	0.000175007	7.97981E-05	0.110821426	2.10031E-06	8.78429E-05	0.000707936	0.001688956	1.01775E-05
2070 Sep	0.00095564	0.141308755	1.00209E-05	1.478033543	2.695300817	0.05006703	0.000288368	5.521150589	0.001332858	0.010462851	0.000404318	0.000170774	7.87635E-05	0.109802023	2.09757E-06	8.77257E-05	0.000693509	0.001673011	9.89958E-06
2070 Oct	0.000956556	0.140047818	1.00203E-05	1.468757153	2.671971321	0.048985783	0.000296208	5.48886919	0.001323986	0.010490496	0.000394048	0.000166756	7.77304E-05	0.108858444	2.09497E-06	8.77064E-05	0.000680275	0.001657872	9.63572E-06
2070 Nov	0.00095666	0.139905304	1.00203E-05	1.467708707	2.669334173	0.048863571	0.000297094	5.485220909	0.001322983	0.010493619	0.000392887	0.000166302	7.76136E-05	0.108751789	2.09468E-06	8.77042E-05	0.000678779	0.001656161	9.6059E-06
2070 Dec	0.000956662	0.13990131	1.00203E-05	1.467679381	2.669260263	0.048860148	0.000297118	5.485118389	0.001322955	0.010493707	0.000392855	0.000166289	7.76103E-05	0.108748809	2.09467E-06	8.77041E-05	0.000678737	0.001656113	9.60506E-06
2071 Jan	0.000956681	0.139904335	1.00203E-05	1.467703462	2.669333935	0.048861835	0.000297127	5.485212803	0.001322969	0.010493801	0.000392854	0.000166286	7.76102E-05	0.108751483	2.09467E-06	8.77043E-05	0.000678749	0.001656094	9.6046E-06
2071 Feb	0.000956704	0.139910251	1.00203E-05	1.467749715	2.669467449	0.04886568	0.000297127	5.485386848	0.001323	0.010493888	0.000392868	0.000166287	7.76114E-05	0.108756468	2.09466E-06	8.77046E-05	0.000678784	0.001656092	9.60437E-06
2071 Mar	0.000956717	0.139913499	1.00203E-05	1.467774868	2.669540167	0.048867784	0.000297127	5.485482216	0.001323018	0.010493934	0.000392875	0.000166288	7.76122E-05	0.108759187	2.09466E-06	8.77048E-05	0.000678803	0.00165609	9.60424E-06
2071 Apr	0.000956724	0.139915332	1.00203E-05	1.467789292	2.669581652	0.048868984	0.000297127	5.485536098	0.001323027	0.010493962	0.00039288	0.000166289	7.76126E-05	0.108760737	2.09466E-06	8.77049E-05	0.000678814	0.00165609	9.60416E-06
2071 May	0.000963839	0.14213708	1.00198E-05	1.483284235	2.717018843	0.050353769	0.000294711	5.5351367	0.001334598	0.010518369	0.000406538	0.000167834	7.88832E-05	0.110482909	2.09237E-06	8.73968E-05	0.000693883	0.001660186	9.37121E-06
2071 Jun	0.000973545	0.146781713	1.00178E-05	1.509816051	2.807763815	0.053585645	0.000281986	5.588324547	0.001357999	0.01054366	0.00043689	0.000174124	8.14791E-05	0.113604933	2.08302E-06	8.5402E-05	0.000731523	0.001685008	8.42295E-06
2071 Jul	0.000967235	0.14563401	1.00174E-05	1.498218417	2.778046131	0.052869439	0.000278856	5.533520222	0.00135128	0.010515323	0.00043077	0.000174792	8.07727E-05	0.11242304	2.0815E-06	8.47521E-05	0.00072641	0.001690668	8.26832E-06
2071 Aug	0.000966133	0.145194575	1.00173E-05	1.49525857	2.769464016	0.052589297	0.000279519	5.521811962	0.001348853	0.010503213	0.000428242	0.000173865	8.05764E-05	0.112106025	2.08097E-06	8.45785E-05	0.000722174	0.001686987	8.21451E-06
2071 Sep	0.000964354	0.143805861	1.00169E-05	1.486760259	2.744986773	0.051626068	0.000285034	5.490563869	0.001341038	0.010494007	0.000419032	0.000170418	7.98145E-05	0.111190856	2.07915E-06	8.43668E-05	0.000709063	0.001673949	8.03048E-06
2071 Oct	0.000964734	0.143067881	1.00167E-05	1.481474042	2.731281042	0.05100188	0.000289442	5.473071098	0.001335985	0.010508913	0.000413105	0.00016819	7.92246E-05	0.110645726	2.07798E-06	8.44058E-05	0.000701475	0.001665519	7.91149E-06
2071 Nov	0.000965031	0.14249289	1.00165E-05	1.477355361	2.720602274	0.050515544	0.000292876	5.459441662	0.001332047	0.010520526	0.000408486	0.000166453	7.87649E-05	0.110220984	2.07706E-06	8.44362E-05	0.000695564	0.001658951	7.81878E-06
2071 Dec	0.000965051	0.142453045	1.00165E-05	1.477069974	2.719862461	0.050481845	0.000293114	5.458497524	0.001331775	0.010521331	0.000408166	0.000166333	7.87331E-05	0.110191554	2.077E-06	8.44383E-05	0.000695154	0.001658496	7.81236E-06
2072 Jan	0.00096508	0.142457724	1.00165E-05	1.47710824	2.71997714	0.050484445	0.000293128	5.458651066	0.001331796	0.01052148	0.000408164	0.000166328	7.87328E-05	0.110195756	2.077E-06	8.44389E-05	0.000695172	0.001658466	7.81177E-06
2072 Feb	0.000965117	0.142467216	1.00165E-05	1.477182627	2.72019124	0.050490621	0.000293128	5.458934307	0.001331847	0.010521618	0.000408186	0.00016633	7.87348E-05	0.110203773	2.07699E-06	8.44395E-05	0.000695228	0.001658462	7.81145E-06
2072 Mar	0.000965137	0.142472371	1.00165E-05	1.477223039	2.720307589	0.050493971	0.000293128	5.459088326	0.001331874	0.010521693	0.000408198	0.000166332	7.87359E-05	0.110208131	2.07699E-06	8.44399E-05	0.000695258	0.00165846	7.81128E-06
2072 Apr	0.000965149	0.142475232	1.00165E-05	1.47724545	2.720371962	0.050495829	0.000293128	5.459173679	0.00133189	0.010521735	0.000408205	0.000166332	7.87365E-05	0.110210545	2.07699E-06	8.44401E-05	0.000695275	0.001658458	7.81119E-06
2072 May	0.000965163	0.142479673	1.00165E-05	1.477277756	2.720468521	0.050498795	0.000293124	5.459283352	0.001331913	0.010521788	0.000408228	0.000166335	7.87388E-05	0.110214092	2.07699E-06	8.44398E-05	0.000695305	0.001658465	7.81085E-06
2072 Jun	0.000941567	0.138731688	1.00153E-05	1.438583612	2.621836424	0.048286319	0.000280092	5.268188	0.001310934	0.010422983	0.000389232	0.000170703	7.64818E-05	0.106274135	2.0717E-06	8.21329E-05	0.000683698	0.001688141	7.27496E-06
2072 Jul	0.000934391	0.137239799	1.00149E-05	1.422752619	2.581730366	0.047280893	0.00027593	5.197066784	0.001301269	0.010382022	0.000381007	0.000170674	7.5518E-05	0.104675442	2.06964E-06	8.1208E-05	0.000674222	0.001690497	7.06555E-06
2072 Aug	0.000929304	0.135133505	1.00144E-05	1.411226869	2.545454979	0.046031766	0.000280987	5.151993275	0.001290942	0.01032152	0.000369204	0.00016583	7.47547E-05	0.103389539	2.06732E-06	8.05086E-05	0.000654168	0.001671288	6.83038E-06
2072 Sep	0.000926748	0.133522779	1.0014E-05	1.402686238	2.519002199	0.045001902	0.000287169	5.120591164	0.001282709	0.010296595	0.000359216	0.000161703	7.40432E-05	0.102439083	2.06542E-06	8.02008E-05	0.000638745	0.001655263	6.6371E-06
2072 Oct	0.000928599	0.132366627	1.00136E-05	1.394709349	2.49855423	0.043963365	0.000295808	5.096879482	0.001274439	0.010331799	0.000349264	0.000157558	7.30473E-05	0.101618849	2.0635E-06	8.03997E-05	0.000625823	0.001639167	6.44294E-06
2072 Nov	0.00092894	0.132153556	1.00135E-05	1.39323926	2.494785786	0.043771964	0.0002974	5.09250927	0.001272915	0.010338286	0.00034743	0.000156794	7.28638E-05	0.101467684	2.06315E-06	8.04364E-05	0.000623441	0.0016362	6.40716E-06
2072 Dec	0.000928946	0.13214989	1.00135E-05	1.393213987	2.494720936	0.04376867	0.000297428	5.092433453	0.001272888	0.010338399	0.000347398	0.000156781	7.28606E-05	0.101465084	2.06315E-06	8.0437E-05	0.0006234	0.001636149	6.40654E-06
2073 Jan	0.000928967	0.132153645	1.00135E-05	1.393244624	2.494811535	0.043770809	0.000297437	5.092558861	0.001272906	0.01033851	0.0003474	0.000156778	7.28607E-05	0.101468422	2.06314E-06	8.04376E-05	0.000623416	0.00163613	6.40621E-06
2073 Feb	0.000928994	0.13216041	1.00135E-05	1.393297672	2.494964123	0.043775208	0.000297437	5.09276247	0.001272942	0.01033861	0.000347416	0.00015678	7.28623E-05	0.101474144	2.06314E-06	8.04382E-05	0.000623456	0.001636128	6.40603E-06
2073 Mar	0.000929008	0.132164091	1.00135E-05	1.39332664	2.495047092	0.043777607	0.000297437	5.092873096	0.001272962	0.010338664	0.000347425	0.000156781	7.28631E-05	0.101477265	2.06314E-06	8.04385E-05	0.000623478	0.001636126	6.40593E-06
2073 Apr	0.000929016	0.132166192	1.00135E-05	1.39334321	2.495094538	0.043778975	0.000297437	5.092936516	0.001272973	0.010338696	0.000347431	0.000156782	7.28636E-05	0.101479039	2.06314E-06	8.04386E-05	0.000623491	0.001636126	6.40588E-06
2073 May	0.000939465	0.13539964	1.00131E-05	1.416557789	2.564426422	0.045936987	0.000294184	5.172269821	0.001290129	0.0103765	0.000367238	0.000159165	7.47232E-05	0.104026899	2.06108E-06	8.02617E-05	0.000645512	0.001642272	6.19739E-06
2073 Jun	0.000954391	0.141092569	1.00119E-05	1.454016089	2.680969	0.049821846	0.000283421	5.28386116	0.001320086	0.010427474	0.000403284	0.000165593	7.79655E-05	0.108222291	2.05554E-06	7.92742E-05	0.000688594	0.001664465	5.63493E-06
2073 Jul	0.000951535	0.14046143	1.00117E-05	1.447363138	2.66392827	0.04938525	0.000281765	5.255192757	0.001315935	0.010410571	0.000399735	0.000165479	7.75515E-05	0.107547604	2.05488E-06	7.89276E-05	0.000684246	0.001664826	5.5682E-06
2073 Aug	0.000950448	0.139975727	1.00116E-05	1.443117261	2.652477503	0.049030077	0.00028179	5.239502907	0.001312661	0.010396403	0.000396807	0.000164412	7.72722E-05	0.107109874	2.05439E-06	7.8701E-05	0.00067883	0.001660177	5.51803E-06
2073 Sep	0.000949598	0.139126971	1.00115E-05	1.438171506	2.637843847	0.048431963	0.000285552	5.222837448	0.00130792	0.010393366	0.000391052	0.000162222	7.67993E-05	0.106569707	2.05356E-06	7.86601E-05	0.00067068	0.001651759	5.43435E-06

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.000950619	0.137986451	1.00112E-05	1.430382729	2.61717391	0.047448006	0.000293057	5.199766636	0.001300138	0.010421335	0.000381649	0.000158628	7.58692E-05	0.105756655	2.05221E-06	7.88709E-05	0.000658709	0.00163794	5.29701E-06
2073 Nov	0.000950853	0.137725487	1.00111E-05	1.42860055	2.612444162	0.047222856	0.000294775	5.194487572	0.001298357	0.010427735	0.000379497	0.000157805	7.56564E-05	0.105570614	2.0519E-06	7.89191E-05	0.000655969	0.001634778	5.26558E-06
2073 Dec	0.000950857	0.137721196	1.00111E-05	1.428571463	2.612366915	0.047219172	0.000294803	5.194401264	0.001298328	0.01042784	0.000379462	0.000157792	7.56529E-05	0.105567575	2.05189E-06	7.89199E-05	0.000655924	0.001634726	5.26506E-06
2074 Jan	0.000950877	0.137724727	1.00111E-05	1.428600669	2.612452507	0.047221154	0.000294812	5.194522381	0.001298345	0.010427948	0.000379462	0.000157789	7.56528E-05	0.105570748	2.05189E-06	7.89206E-05	0.000655939	0.001634707	5.26478E-06
2074 Feb	0.000950904	0.137731463	1.00111E-05	1.428653836	2.612604618	0.047225546	0.000294812	5.194727421	0.001298381	0.010428048	0.000379478	0.000157791	7.56544E-05	0.105576456	2.05189E-06	7.89212E-05	0.000655979	0.001634705	5.26464E-06
2074 Mar	0.000950918	0.137735128	1.00111E-05	1.428682804	2.612687349	0.047227934	0.000294812	5.194838524	0.001298401	0.010428102	0.000379487	0.000157792	7.56552E-05	0.10557957	2.05189E-06	7.89215E-05	0.000656001	0.001634703	5.26456E-06
2074 Apr	0.000950926	0.137737229	1.00111E-05	1.428699374	2.612734795	0.047229297	0.000294812	5.19490242	0.001298412	0.010428132	0.000379492	0.000157793	7.56556E-05	0.105581351	2.05189E-06	7.89217E-05	0.000656013	0.001634703	5.26451E-06
2074 May	0.000964915	0.142122522	1.00106E-05	1.460400581	2.706849098	0.050168581	0.000290262	5.304118633	0.001321871	0.010478266	0.000406452	0.000161169	7.81971E-05	0.109050259	2.04946E-06	7.87384E-05	0.000686132	0.001643601	5.01831E-06
2074 Jun	0.000984535	0.149243474	1.00094E-05	1.509070396	2.854972601	0.055022333	0.000278458	5.458277702	0.001359867	0.010545596	0.000451299	0.000168659	8.23081E-05	0.11444135	2.04408E-06	7.78931E-05	0.000738898	0.001668164	4.47224E-06
2074 Jul	0.000980927	0.148516089	1.00093E-05	1.501893044	2.836111307	0.054547954	0.000276719	5.426908493	0.001355509	0.010527821	0.000447299	0.000168832	8.1856E-05	0.113702722	2.04357E-06	7.75723E-05	0.000734866	0.001670217	4.42081E-06
2074 Aug	0.000980314	0.148274824	1.00093E-05	1.500163555	2.83109355	0.054387927	0.000276966	5.420559406	0.001354125	0.010521349	0.00044589	0.000168362	8.17388E-05	0.113517493	2.04342E-06	7.74969E-05	0.000732514	0.001668295	4.40497E-06
2074 Sep	0.000979203	0.147033304	1.00091E-05	1.492450595	2.808699369	0.053475443	0.000282466	5.395635605	0.001346917	0.010523428	0.000437177	0.000165342	8.09725E-05	0.112681434	2.04253E-06	7.75399E-05	0.000720853	0.001656829	4.31531E-06
2074 Oct	0.000979409	0.146021411	1.00089E-05	1.485534906	2.789834738	0.052636385	0.000288191	5.374921322	0.001340297	0.010542062	0.000429198	0.000162569	8.01907E-05	0.111951016	2.04172E-06	7.77204E-05	0.000710858	0.0016463	4.23297E-06
2074 Nov	0.000979436	0.145889103	1.00089E-05	1.484630585	2.787368059	0.052526664	0.000288939	5.372212887	0.001339432	0.010544498	0.000428155	0.000162207	8.00885E-05	0.111855499	2.04162E-06	7.7744E-05	0.000709551	0.001644923	4.22221E-06
2074 Dec	0.000979437	0.145884156	1.00089E-05	1.484596968	2.78727603	0.05252257	0.000288967	5.372111797	0.001339399	0.01054459	0.000428116	0.000162193	8.00847E-05	0.111851938	2.04161E-06	7.77449E-05	0.000709502	0.001644872	4.2218E-06
2075 Jan	0.000979456	0.145887166	1.00089E-05	1.484622598	2.787350655	0.052524231	0.000288977	5.372220516	0.001339414	0.010544688	0.000428114	0.00016219	8.00844E-05	0.11185471	2.04161E-06	7.77456E-05	0.000709513	0.001644853	4.22159E-06
2075 Feb	0.000979481	0.145893469	1.00089E-05	1.484672546	2.78749299	0.052528333	0.000288977	5.372414112	0.001339448	0.010544782	0.000428128	0.000162192	8.00857E-05	0.111860067	2.04161E-06	7.77462E-05	0.000709551	0.00164485	4.22147E-06
2075 Mar	0.000979494	0.145896912	1.00089E-05	1.484699726	2.787570953	0.052530576	0.000288977	5.372519493	0.001339466	0.010544833	0.000428136	0.000162193	8.00865E-05	0.111862995	2.04161E-06	7.77465E-05	0.000709571	0.001644849	4.22141E-06
2075 Apr	0.000979502	0.145898864	1.00089E-05	1.484715343	2.787615061	0.052531857	0.000288977	5.372579575	0.001339477	0.010544862	0.00042814	0.000162193	8.00869E-05	0.111864664	2.04161E-06	7.77467E-05	0.000709583	0.001644848	4.22137E-06
2075 May	0.00098201	0.146692589	1.00088E-05	1.490481138	2.804652691	0.053065401	0.000288129	5.392587185	0.001343747	0.01055372	0.000433032	0.000162822	8.05494E-05	0.112494156	2.04122E-06	7.77213E-05	0.000715057	0.001646517	4.18225E-06
2075 Jun	0.000948318	0.141134337	1.0008E-05	1.436290741	2.66147542	0.049766287	0.000271208	5.138519764	0.001313747	0.010416473	0.000404399	0.000168916	7.72718E-05	0.106883056	2.03748E-06	7.52436E-05	0.000696731	0.001687247	3.80287E-06
2075 Jul	0.000935582	0.138863161	1.00077E-05	1.414003134	2.602680206	0.048361775	0.000264823	5.037234783	0.001300908	0.010359931	0.000392388	0.00017059	7.59038E-05	0.104580835	2.03599E-06	7.42359E-05	0.000687035	0.001699544	3.65107E-06
2075 Aug	0.00093444	0.138324291	1.00076E-05	1.410034895	2.591247559	0.047990043	0.000265392	5.023376465	0.001297642	0.010344496	0.00038919	0.000169338	7.5636E-05	0.104158551	2.03564E-06	7.40551E-05	0.000681167	0.001694127	3.61577E-06
2075 Sep	0.000934195	0.13794741	1.00076E-05	1.407986283	2.584964514	0.047720917	0.000267265	5.017253399	0.001295557	0.010343947	0.000386585	0.000168291	7.54266E-05	0.103930719	2.03539E-06	7.40729E-05	0.000677405	0.001689999	3.59043E-06
2075 Oct	0.000934882	0.13740702	1.00075E-05	1.404568076	2.575558186	0.04725093	0.000271142	5.008556843	0.001291922	0.010358163	0.000382065	0.000166468	7.4991E-05	0.103567593	2.03495E-06	7.42319E-05	0.000671498	0.001682805	3.54628E-06
2075 Nov	0.000935019	0.137298509	1.00075E-05	1.403881669	2.573669434	0.047156565	0.00027192	5.006810665	0.001291193	0.010361018	0.000381157	0.000166102	7.49035E-05	0.103494681	2.03487E-06	7.42638E-05	0.000670312	0.001681361	3.53742E-06
2075 Dec	0.00093503	0.137290165	1.00075E-05	1.403828859	2.573523998	0.047149297	0.00027198	5.006676197	0.001291136	0.010361237	0.000381087	0.000166074	7.48968E-05	0.103489064	2.03486E-06	7.42662E-05	0.000670221	0.00168125	3.53673E-06
2076 Jan	0.000935058	0.13729468	1.00075E-05	1.40386796	2.573636055	0.047151837	0.000271994	5.006844044	0.001291158	0.010361381	0.000381087	0.000166069	7.48967E-05	0.103493273	2.03486E-06	7.42675E-05	0.000670238	0.001681222	3.53649E-06
2076 Feb	0.000935092	0.137303352	1.00075E-05	1.403937101	2.573832989	0.047157478	0.000271994	5.007113934	0.001291205	0.010361511	0.000381108	0.000166071	7.48987E-05	0.103500687	2.03486E-06	7.42684E-05	0.000670289	0.001681217	3.53637E-06
2076 Mar	0.000935111	0.137308061	1.00075E-05	1.403974771	2.5739398	0.047160544	0.000271995	5.007260323	0.001291231	0.010361581	0.000381119	0.000166073	7.48998E-05	0.103504717	2.03486E-06	7.42689E-05	0.000670317	0.001681215	3.5363E-06
2076 Apr	0.000935121	0.137310684	1.00075E-05	1.403995514	2.573999166	0.047162246	0.000271995	5.007341385	0.001291245	0.01036162	0.000381125	0.000166073	7.49004E-05	0.103506953	2.03485E-06	7.42692E-05	0.000670332	0.001681213	3.53626E-06
2076 May	0.000941756	0.139295116	1.00073E-05	1.418796659	2.61721158	0.048487704	0.000270426	5.060493946	0.001301963	0.010385607	0.000393234	0.00016742	7.60609E-05	0.105113313	2.03412E-06	7.42846E-05	0.000683598	0.001684241	3.46178E-06
2076 Jun	0.000956712	0.145061284	1.00065E-05	1.458260894	2.736544132	0.052459121	0.000259819	5.185594082	0.001333168	0.010435458	0.000429942	0.000174169	7.94305E-05	0.109470144	2.03044E-06	7.36585E-05	0.000727568	0.001707157	3.08844E-06
2076 Jul	0.000951914	0.144102603	1.00064E-05	1.449004173	2.711937904	0.051840615	0.000257609	5.145477772	0.001327555	0.010412364	0.00042469	0.000174452	7.88444E-05	0.108512022	2.02995E-06	7.32779E-05	0.000722424	0.001710114	3.03876E-06
2076 Aug	0.000950811	0.14361985	1.00064E-05	1.44581461	2.70235157	0.051523469	0.000258359	5.134406567	0.001324869	0.010399428	0.000421863	0.000173406	7.86234E-05	0.10816472	2.02972E-06	7.31551E-05	0.000717551	0.001705739	3.0158E-06
2076 Sep	0.000950511	0.143182218	1.00063E-05	1.443344712	2.694851398	0.051206194	0.000260483	5.127114296	0.001322412	0.010399617	0.000418805	0.000172246	7.83693E-05	0.107891195	2.0295E-06	7.31911E-05	0.000713267	0.001701196	2.99299E-06
2076 Oct	0.000951304	0.142195299	1.00062E-05	1.437057018	2.6772964	0.0503693	0.000266944	5.110717773	0.001315942	0.010421698	0.000410783	0.000169191	7.75994E-05	0.107219152	2.02891E-06	7.34682E-05	0.000702907	0.001689232	2.93293E-06
2076 Nov	0.000951485	0.141969904	1.00062E-05	1.435621023	2.673287153	0.050178174	0.00026842	5.106973171	0.001314465	0.01042674	0.00040895	0.000168493	7.74235E-05	0.107065663	2.02877E-06	7.35315E-05	0.000700541	0.0016865	2.91922E-06
2076 Dec	0.000951488	0.141965404	1.00062E-05	1.435592294	2.673206806	0.050174341	0.00026845	5.106897831	0.001314435	0.010426841	0.000408914	0.000168479	7.742E-05	0.107062593	2.02877E-06	7.35328E-05	0.000700494	0.001686445	2.91894E-06
2077 Jan	0.000951508	0.141968578	1.00062E-05	1.435620189	2.673286676	0.05017611	0.00026846	5.107019901	0.001314451	0.010426947	0.000408912	0.000168476	7.74198E-05	0.107065588	2.02877E-06	7.35337E-05	0.000700506	0.001686424	2.91879E-06
2077 Feb	0.000951534	0.141974941	1.00062E-05	1.43567121	2.673431396	0.050180249	0.000268461	5.107218742	0.001314485	0.010427042	0.000408927	0.000168477	7.74213E-05	0.107071042	2.02877E-06	7.35345E-05	0.000700543	0.00168642	2.91871E-06
2077 Mar	0.000951548	0.141978428	1.00062E-05	1.435699105	2.673510313	0.05018251	0.000268461	5.107327938	0.001314504	0.010427094	0.000408935	0.000168478	7.7422E-05	0.107074015	2.02877E-06	7.35348E-05	0.000700563	0.001686418	2.91867E-06
2077 Apr	0.000951555	0.14198041	1.00062E-05	1.435714841	2.673555136	0.050183799	0.000268462	5.107389927	0.001314515	0.010427124	0.000408939	0.000168479	7.74225E-05	0.107075721	2.02877E-06	7.35351E-05	0.000700575	0.001686417	2.91865E-06
2077 May	0.00095712	0.143649235	1.0006E-05	1.448220015	2.709934711	0.051300276	0.000267139	5.152554512	0.001323565	0.010447127	0.000419135	0.000169625	7.84024E-05	0.108430542	2.02823E-06	7.35624E-05	0.000711749	0.001688999	2.86425E-06
2077 Jun	0.000967467	0.148049146	1.00055E-05	1.477821112	2.799773455	0.054367386	0.000257649	5.243702412	0.001347576	0.010479771	0.000447557	0.000175496	8.09927E-05	0.111704253	2.02549E-06	7.3005E-05	0.000746632	0.001709892	2.58577E-06
2077 Jul	0.000962403	0.147098929	1.00054E-05	1.468896747	2.775796413	0.053776603	0.000255459	5.204302311	0.001342301	0.010457771	0.000442442	0.000176045	8.04279E-05	0.110774256	2.02511E-06	7.2663E-05	0.000742337	0.001714266	2.54732E-06
2077 Aug	0.000961295	0.146638066	1.00053E-05	1.466127753	2.767141581	0.053486194	0.000256345	5.194729328	0.001339913	0.010445748	0.00043978	0.000175087	8.02333E-05	0.110466309	2.02494E-06	7.25693E-05	0.000737927	0.00171036	2.5305E-06
2077 Sep	0.000959149	0.144556388	1.00052E-05	1.454484105	2.731221199	0.052020699	0.000265525	5.159692287	0.001328566	0.010438608	0.000425677	0.00016991	7.90878E-05	0.109167829	2.02411E-06	7.2694E-05	0.000718064	0.001690152	2.44603E-06
2077 Oct	0.000959618	0.143787593	1.00051E-05	1.449549675	2.717364311	0.051374096	0.000270345	5.146771431	0.00132357	0.010454749	0.000419493	0.000167631	7.84934E-05	0.108639121	2.02374E-06	7.29116E-05	0.00071014	0.001681254	2.40883E-06
2077 Nov	0.000959635	0.143759757	1.00051E-05	1.44937098	2.716862679	0.051350687	0.000270519	5.146303654	0.001323389	0.010455333	0.000419269	0.000167548	7.84719E-05	0.108619981	2.02373E-06	7.29194E-05	0.000709853	0.001680932	2.40748E-06
2077 Dec	0.000959638	0.143755674	1.00051E-05	1.449344754	2.716789246	0.051347259	0.000270545	5.146235466	0.001323363	0.010455419	0.000419236	0.000167536	7.84688E-05	0.108617179	2.02373E-06	7.29206E-05	0.000709811	0.001680885	2.40729E-06
2078 Jan	0.000959655	0.143758357	1.00051E-05	1.449368477	2.71685648	0.051348735	0.000270554	5.14633894	0.001323376	0.010455509	0.000419234	0.000167533	7.84686E-05	0.108619697	2.02373E-06	7.29214E-05	0.000709821	0.001680866	2.40718E-06
2078 Feb	0.000959677	0.14376384	1.00051E-05	1.449412465	2.716981411	0.051352311	0.000270555	5.146511555	0.001323405	0.010455591	0.000419247	0.000167534	7.84698E-05	0.108624406	2.02373E-06	7.29221E-05	0.000709853	0.001680863	2.40712E-06
2078 Mar	0.000959689	0.143766835	1.00051E-05	1.449436426	2.71704936	0.051354259	0.000270555	5.146605015	0.001323421	0.010455636	0.000419253	0.000167535	7.84704E-05	0.108626977	2.02373E-06	7.29224E-05	0.000709871	0.001680862	2.40709E-06
2078 Apr	0.000959695	0.143768564	1.00051E-05	1.449450016	2.717087984	0.051355369	0.000270555	5.146658421	0.001323431	0.010455662	0.000419257	0.000167536	7.84708E-05	0.108628437	2.02373E-06	7.29226E-05	0.000709881	0.001680861	2.40707E-06
2078 May	0.000975883	0.148660317	1.00048E-05	1.486086369	2.823470831	0.054629475	0.000266482	5.279551983	0.001350003	0.010513894	0.000449183	0.000171018	8.13438E-05	0.11259409	2.0224E-06	7.30385E-05	0.000742785	0.001688897	2.27287E-06
2078 Jun	0.000991284	0.153853804	1.00044E-05	1.523617625	2.933877945	0.058155775	0.00025967	5.409554005	0.00137829	0.010567481	0.000481587	0.000175905	8.43967E-05	0.116682127	2.02055E-06	7.29199E-05	0.000779955	0.001703266	2.08456E-06
2078 Jul	0.000989135	0.153306916	1.00044E-05	1.518346548	2.919787645	0.057772566	0.000258767	5.388746738	0.001374808	0.010554318	0.000478412	0.000175616	8.40491E-05	0.116137125	2.02037E-06	7.27274E-05	0.000775812	0.001702531	2.06705E-06
2078 Aug	0.000986933	0.152377561	1.00043E-05	1.510786057	2.898509502	0.057106469	0.000259118	5.362604618	0.001368923	0.010530422	0.000472792	0.000173826	8.35263E-05	0.115340136	2.02009E-06	7.24631E-05	0.000766161	0.00169482	2.03825E-06
2078 Sep	0.000985217	0.151560038	1.00043E-05	1.506407976	2.884360075	0.056590542	0.000261672	5.348060608	0.001364912	0.010517106	0.000467827	0.000172154	8.31645E-05	0.114841819	2.01987E-06	7.24199E-05	0.000758956	0.001688408	2.01609E-06
2078 Oct	0.000985267	0.150956646	1.00042E-05	1.502462149	2.873202324	0.056096897	0.000265035	5.337179184	0.001361087	0.010527411	0.000463122	0.000170559	8.2712E-05	0.114417858	2.01966E-06	7.25727E-05	0.000753065	0.001682292	1.99496E-06
2078 Nov	0.00098528	0.150799945	1.00042E-05	1.501437306	2.870304585	0.055968683	0.000265908	5.334352493	0.001360093	0.010530086	0.0004619	0.000170145	8.25944E-05	0.114307754	2.01961E-06	7.26124E-05	0.000751535	0.001680704	1.98947E-06
2078 Dec	0.00098528	0.150795072	1.00042E-05	1.501405358	2.870214462	0.055964693	0.000265935	5.334264755	0.001360062	0.01053017	0.000461862	0.000170132	8.25908E-05	0.114304326	2.01961E-06	7.26137E-05	0.000751487	0.001680654	1.9893E-06
2079 Jan	0.000985297	0.150797546	1.00042E-05	1.50142777	2.870277405	0.055966023	0.000265945	5.334364891	0.001360074	0.010530259	0.000461858	0.000170128	8.25904E-05	0.114306703	2.01961E-06	7.26146E-05	0.000751495	0.001680635	1.9892E-06
2079 Feb	0.000985319	0.150803134	1.00042E-05	1.501472592	2.87040472	0.055969659	0.000265946	5.334540844	0.001360104	0.010530344	0.00046187	0.00017013	8.25916E-05	0.114311509	2.01961E-06	7.26153E-05	0.000751528	0.001680632	1.98915E-06
2079 Mar	0.000985332	0.150806189	1.00042E-05	1.50149703	2.8704741	0.055971641	0.000265946	5.334637165	0.001360121	0.010530391	0.000461877	0.000170131	8.25922E-05	0.114314124	2.01961E-06	7.26156E-05	0.000751546	0.00168063	1.98913E-06
2079 Apr	0.000985339	0.150807917	1.00042E-05	1.501510978	2.870513439	0.05597277	0.000265946	5.334691525	0.00136013	0.010530417	0.00046188	0.000170131	8.25926E-05	0.114315614	2.01961E-06	7.26158E-05	0.000751557	0.001680629	1.98911E-06
2079 May	0.000986064	0.151029095	1.00042E-05	1.503169537	2.875323057	0.056121059	0.000265759	5.340711594	0.001361336	0.010533077	0.000463233	0.000170295	8.27223E-05	0.114495002	2.01955E-06	7.26224E-05	0.000753059	0.001681024	1.98367E-06
2079 Jun	0.00096593	0.148713648	1.00037E-05	1.476564884	2.807572365	0.054925777	0.000250525	5.202302933	0.001349445	0.010450178	0.000453429	0.000177056	8.13808E-05	0.111783952	2.01734E-06	7.09677E-05	0.000753431	0.001718493	1.75902E-06
2079 Jul	0.000955406	0.146631181	1.00036E-05	1.457130313	2.755089283	0.053602137	0.000246159	5.11892128	0.001337679	0.010402912	0.000442024	0.000177865	8.01299E-05	0.109755322	2.01677E-06	7.02843E-05	0.00074296	0.001725912	1.70169E-06
2079 Aug	0.000954287	0.146085247	1.00036E-05	1.452646136	2.742495537	0.053200569	0.000246432	5.103960991	0.001334112	0.010388661	0.000438671	0.000176673	7.98174E-05	0.109283805	2.01662E-06	7.01287E-05	0.000736892	0.00172062	1.68602E-06
2079 Sep	0.00095391	0.144811362	1.00035E-05	1.445351601	2.720476627	0.052235205	0.000253222	5.08433342	0.001326723	0.010397321	0.000429369	0.000173209	7.90112E-05	0.108476818	2.01625E-06	7.03676E-05	0.000724274	0.001707006	1.64874E-06
2079 Oct	0.000954533	0.143933505	1.00034E-05	1.439903378	2.7049191	0.051496871	0.000258911	5.070955276	0.001321079	0.010416372	0.000422279	0.000170562	7.83372E-05	0.107888073	2.01597E-06	7.0655E-05	0.000715164	0.001696605	1.62025E-06
2079 Nov	0.000954874	0.143453196	1.00034E-05	1.436922431	2.696407557	0.051092919	0.000262023	5.063635826	0.00131799	0.010426795	0.0004184	0.000169113	7.79684E-05	0.107565962	2.01582E-06	7.08122E-05	0.00071018	0.001690915	1.60467E-06
2079 Dec	0.000955142	0.143076554	1.00034E-05	1.434584975	2.689732552	0.050776139	0.000264464	5.057896137	0.001315568	0.010434968	0.000415358	0.000167978	7.76792E-05	0.107313357	2.0157E-06	7.09355E-05	0.000706272	0.001686452	1.59244E-06
2080 Jan	0.000955183	0.143082932	1.00034E-05	1.434642315	2.689894199	0.050779648	0.000264487	5.058152676	0.001315599	0.010435187	0.000415353	0.00016797	7.76788E-05	0.107319474	2.01569E-06	7.09378E-05	0.000706294	0.001686407	1.59227E-06
2080 Feb	0.000955236	0.143096164	1.00034E-05	1.43474865	2.690195084	0.05078825	0.000264489	5.058570862	0.001315671	0.010435387	0.000415383	0.000167974	7.76817E-05	0.107330844	2.01569E-06	7.09394E-05	0.000706372	0.001686399	1.59218E-06
2080 Mar	0.000955264	0.143103346	1.00034E-05	1.434806466	2.690358877	0.050792933	0.00026449	5.058797836	0.00131571	0.010435495	0.0004154	0.000167975	7.76833E-05	0.10733702	2.01569E-06	7.09403E-05	0.000706414	0.001686395	1.59213E-06
2080 Apr	0.00095528	0.14310734	1.00034E-05	1.434838653	2.690449715	0.050795536	0.00026449	5.058924675	0.001315732	0.010435555	0.000415409	0.000167976	7.76842E-05	0.107340463	2.01569E-06	7.09408E-05	0.000706437	0.001686393	1.59211E-06
2080 May	0.000955417	0.143148169	1.00034E-05	1.435149431	2.691344261	0.050822888	0.00026446	5.060070515	0.001315955	0.010436051	0.000415653	0.000168005	7.77079E-05	0.107373953	2.01569E-06	7.09427E-05	0.00070671	0.001686454	1.59139E-06
2080 Jun	0.000931239	0.139128536	1.00031E-05	1.397292614	2.58911109	0.048451733	0.000252892	4.887263775	0.001294878	0.010338124	0.000394946	0.000172434	7.53908E-05	0.103413068	2.01456E-06	6.94932E-05	0.000693439	0.001715487	1.47768E-06
2080 Jul	0.00091984	0.136882797	1.0003E-05	1.375757098	2.531256437	0.047009293	0.00024744	4.795418739	0.001281865	0.010282092	0.000382742	0.000173229	7.40345E-05	0.101173565	2.01395E-06	6.86769E-05	0.000681442	0.001722749	1.4158E-06
2080 Aug	0.000918478	0.136132374	1.00029E-05	1.370062351	2.514791012	0.046468884	0.000248171	4.77716589	0.001277115	0.010260677	0.000378189	0.00017136	7.36418E-05	0.100567475	2.01375E-06	6.84682E-05	0.000672703	0.001714335	1.39516E-06

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.000917041	0.134975284	1.00029E-05	1.364796519	2.496685028	0.045721266	0.000253366	4.762563229	0.001271491	0.010246429	0.000370847	0.000168289	7.31429E-05	0.099948436	2.01347E-06	6.8512E-05	0.000661368	0.00170197	1.36685E-06
2080 Oct	0.000918308	0.134263322	1.00028E-05	1.36071682	2.484927416	0.045091905	0.000259085	4.754699707	0.001266774	0.01026821	0.000364733	0.000165712	7.2567E-05	0.099504523	2.01324E-06	6.88332E-05	0.000653299	0.001691597	1.3431E-06
2080 Nov	0.000919254	0.133732408	1.00028E-05	1.357674599	2.476159811	0.044622593	0.00026335	4.74883604	0.001263256	0.010284453	0.000360174	0.000163791	7.21376E-05	0.099173494	2.01306E-06	6.90728E-05	0.000647283	0.001683862	1.32539E-06
2080 Dec	0.000919328	0.133690506	1.00028E-05	1.357434511	2.47546792	0.04458556	0.000263686	4.748373508	0.001262978	0.010285734	0.000359815	0.000163639	7.21037E-05	0.099147372	2.01305E-06	6.90917E-05	0.000646808	0.001683252	1.32399E-06
2081 Jan	0.000919361	0.133695975	1.00028E-05	1.357482791	2.475604057	0.04458867	0.000263702	4.748585224	0.001263006	0.010285902	0.000359816	0.000163634	7.21039E-05	0.099152505	2.01305E-06	6.90935E-05	0.00064683	0.00168322	1.32389E-06
2081 Feb	0.0009194	0.133705854	1.00028E-05	1.357562304	2.475828648	0.0445951	0.000263704	4.748898029	0.001263059	0.010286051	0.00035984	0.000163637	7.21063E-05	0.099161007	2.01305E-06	6.90947E-05	0.000646888	0.001683215	1.32383E-06
2081 Mar	0.000919422	0.133711249	1.00028E-05	1.357605815	2.475951672	0.04459862	0.000263704	4.749069691	0.001263089	0.010286133	0.000359853	0.000163638	7.21075E-05	0.099165656	2.01305E-06	6.90954E-05	0.00064692	0.001683212	1.3238E-06
2081 Apr	0.000919465	0.133722171	1.00028E-05	1.357693672	2.476200342	0.044605739	0.000263706	4.749415398	0.001263148	0.010286298	0.00035988	0.000163641	7.21101E-05	0.099175051	2.01305E-06	6.90967E-05	0.000646984	0.001683206	1.32374E-06
2081 May	0.000933326	0.137814313	1.00027E-05	1.389050126	2.566165686	0.047344889	0.000260971	4.865933895	0.001285613	0.010337214	0.000384661	0.0001664	7.45167E-05	0.102548867	2.0125E-06	6.93468E-05	0.000674279	0.00168905	1.26871E-06
2081 Jun	0.000946652	0.142222852	1.00025E-05	1.421786308	2.661009073	0.050344724	0.000255877	4.982812405	0.001309982	0.010384941	0.000412112	0.000170465	7.71376E-05	0.1060872	2.01171E-06	6.94421E-05	0.000705764	0.001700667	1.18761E-06
2081 Jul	0.000945267	0.141948581	1.00025E-05	1.419179559	2.653977871	0.050168686	0.000255235	4.971755028	0.001308403	0.010378237	0.000410618	0.000170562	7.69723E-05	0.105815552	2.01165E-06	6.9348E-05	0.000704307	0.001701553	1.18186E-06
2081 Aug	0.000944752	0.141723469	1.00025E-05	1.41781342	2.649686575	0.050024595	0.000255649	4.967257023	0.001307214	0.010372143	0.000409314	0.000170074	7.68767E-05	0.105663463	2.01161E-06	6.93062E-05	0.000702063	0.001699501	1.17764E-06
2081 Sep	0.000943687	0.14100866	1.00025E-05	1.414285779	2.637942553	0.049559761	0.000258538	4.956884861	0.001303679	0.010363505	0.000404794	0.000168347	7.65533E-05	0.10525547	2.01147E-06	6.93275E-05	0.000695329	0.001692661	1.16409E-06
2081 Oct	0.000944049	0.140641049	1.00024E-05	1.412062645	2.631546497	0.049246501	0.000261071	4.951826096	0.001301305	0.010372392	0.000401777	0.000167187	7.62674E-05	0.10501419	2.01138E-06	6.94657E-05	0.000691433	0.001688066	1.15499E-06
2081 Nov	0.00094447	0.140214488	1.00024E-05	1.409483075	2.624124289	0.048882987	0.000264011	4.94595623	0.001298549	0.010382705	0.000398276	0.000165841	7.59357E-05	0.104734197	2.01128E-06	6.96261E-05	0.000686911	0.001682733	1.14443E-06
2081 Dec	0.000944539	0.140144169	1.00024E-05	1.409057736	2.622900724	0.04882307	0.000264496	4.944988728	0.001298095	0.010384405	0.000397699	0.000165619	7.58811E-05	0.104688041	2.01126E-06	6.96525E-05	0.000686165	0.001681854	1.14269E-06
2082 Jan	0.000944575	0.140149966	1.00024E-05	1.409109592	2.623046398	0.048826315	0.000264515	4.94521904	0.001298124	0.010384595	0.000397697	0.000165613	7.58809E-05	0.104693554	2.01126E-06	6.96546E-05	0.000686187	0.001681817	1.14258E-06
2082 Feb	0.00094462	0.140161321	1.00024E-05	1.409201026	2.623305082	0.048833713	0.000264516	4.945579529	0.001298185	0.010384766	0.000397724	0.000165616	7.58835E-05	0.10470333	2.01126E-06	6.9656E-05	0.000686254	0.001681811	1.14253E-06
2082 Mar	0.000944645	0.140167505	1.00024E-05	1.409250855	2.623445749	0.04883774	0.000264517	4.945775509	0.001298219	0.01038486	0.000397738	0.000165617	7.58849E-05	0.104708649	2.01126E-06	6.96568E-05	0.00068629	0.001681807	1.1425E-06
2082 Apr	0.000944659	0.140171051	1.00024E-05	1.409279346	2.623526096	0.048840038	0.000264517	4.945887566	0.001298238	0.010384913	0.000397746	0.000165618	7.58857E-05	0.104711689	2.01126E-06	6.96572E-05	0.000686311	0.001681805	1.14248E-06
2082 May	0.00094468	0.14017722	1.00024E-05	1.409326911	2.623662472	0.048844159	0.000264514	4.946065903	0.001298272	0.010384992	0.00039778	0.000165622	7.58889E-05	0.104716815	2.01126E-06	6.96577E-05	0.000686352	0.001681812	1.14241E-06
2082 Jun	0.000910605	0.134575918	1.00022E-05	1.356585383	2.480852365	0.045552701	0.000247982	4.705772877	0.001269084	0.01024793	0.000369062	0.00017214	7.2669E-05	0.099191003	2.01012E-06	6.76991E-05	0.000668494	0.001723802	1.02676E-06
2082 Jul	0.000892944	0.131458208	1.0002E-05	1.327012658	2.400953054	0.043648496	0.00023943	4.575006485	0.001252085	0.010170962	0.000352683	0.00017473	7.08391E-05	0.096100815	2.0095E-06	6.66075E-05	0.000655742	0.001741652	9.6343E-07
2082 Aug	0.000892136	0.130992547	1.0002E-05	1.324402094	2.392474413	0.043346956	0.000240574	4.567243576	0.001249612	0.010157657	0.000349954	0.000173478	7.06537E-05	0.095806189	2.00941E-06	6.65263E-05	0.000650576	0.001736181	9.54836E-07
2082 Sep	0.000892112	0.130523533	1.0002E-05	1.322346449	2.385445595	0.043013498	0.000243407	4.56294632	0.001247146	0.010157409	0.000346667	0.000171962	7.04139E-05	0.095564552	2.00932E-06	6.66146E-05	0.000645519	0.001729946	9.45404E-07
2082 Oct	0.000894627	0.129585221	1.00019E-05	1.317404985	2.370918751	0.042152513	0.000252119	4.556447983	0.001240797	0.010191901	0.000338249	0.000168058	6.96326E-05	0.095020823	2.00908E-06	6.71383E-05	0.000633996	0.001713891	9.21116E-07
2082 Nov	0.000894812	0.129516259	1.00019E-05	1.317041755	2.369851351	0.042089239	0.000252759	4.555970192	0.00124033	0.010194435	0.00033763	0.000167771	6.95751E-05	0.094980858	2.00906E-06	6.71768E-05	0.000633149	0.001712711	9.19331E-07
2082 Dec	0.00089482	0.129512981	1.00019E-05	1.317024469	2.369800329	0.042086221	0.000252789	4.555947781	0.001240308	0.010194556	0.000337601	0.000167757	6.95724E-05	0.094978951	2.00906E-06	6.71786E-05	0.000633109	0.001712654	9.19246E-07
2083 Jan	0.000894843	0.129516736	1.00019E-05	1.317057967	2.369894505	0.042088371	0.0002528	4.5560956	0.001240327	0.010194671	0.000337603	0.000167754	6.95726E-05	0.094982512	2.00906E-06	6.71799E-05	0.000633124	0.001712632	9.19199E-07
2083 Feb	0.000894869	0.129523322	1.00019E-05	1.317111135	2.37004447	0.042092651	0.000252802	4.556305885	0.001240363	0.010194772	0.000337619	0.000167755	6.95742E-05	0.094988197	2.00906E-06	6.71808E-05	0.000633162	0.001712628	9.19175E-07
2083 Mar	0.000894884	0.129526913	1.00019E-05	1.317140222	2.370126247	0.042094987	0.000252802	4.556420326	0.001240382	0.010194826	0.000337628	0.000167756	6.95751E-05	0.094991297	2.00906E-06	6.71812E-05	0.000633183	0.001712626	9.19162E-07
2083 Apr	0.000894892	0.12952897	1.00019E-05	1.317156672	2.370173216	0.042096324	0.000252802	4.55648613	0.001240393	0.010194858	0.000337633	0.000167757	6.95756E-05	0.094993062	2.00906E-06	6.71815E-05	0.000633195	0.001712624	9.19154E-07
2083 May	0.0009063	0.132804781	1.00019E-05	1.342514634	2.442610025	0.044280127	0.000251026	4.652011871	0.001258371	0.010236787	0.000357496	0.000169756	7.15165E-05	0.097715899	2.00877E-06	6.74327E-05	0.000654616	0.001716233	8.8963E-07
2083 Jun	0.000928204	0.139938772	1.00017E-05	1.395879149	2.596568346	0.0491261	0.000243217	4.844777584	0.001297852	0.010314832	0.00040182	0.000176117	7.57659E-05	0.103472531	2.00784E-06	6.76784E-05	0.000705052	0.001733803	7.95701E-07
2083 Jul	0.000923912	0.138961941	1.00016E-05	1.386520386	2.571340799	0.048464093	0.000241253	4.80716753	0.001291874	0.010290544	0.00039631	0.000175954	7.51607E-05	0.102499999	2.0077E-06	6.73518E-05	0.000698471	0.001734232	7.81002E-07
2083 Aug	0.000922051	0.137819722	1.00016E-05	1.376343608	2.543294668	0.047569036	0.000241374	4.775018215	0.001283736	0.010258421	0.000389125	0.000173088	7.44572E-05	0.101442568	2.00752E-06	6.69962E-05	0.000684215	0.001720824	7.62815E-07
2083 Sep	0.000922602	0.136903316	1.00016E-05	1.371530056	2.528422594	0.046841629	0.000247486	4.764796257	0.00127831	0.010271952	0.000382032	0.00017016	7.38459E-05	0.100902542	2.00737E-06	6.72926E-05	0.000674461	0.001709046	7.48226E-07
2083 Oct	0.000924695	0.135571077	1.00015E-05	1.364029884	2.506424427	0.045682084	0.000257889	4.750674248	0.001269667	0.010310085	0.000370759	0.000165497	7.27949E-05	0.100079581	2.00715E-06	6.79045E-05	0.000659634	0.001690289	7.24992E-07
2083 Nov	0.000925348	0.135155201	1.00015E-05	1.361688733	2.499557495	0.045320123	0.000261137	4.746265888	0.00126697	0.010321988	0.000367241	0.000164042	7.24668E-05	0.099822693	2.00707E-06	6.80956E-05	0.000655006	0.001684434	7.17739E-07
2083 Dec	0.000925357	0.135149747	1.00015E-05	1.361657977	2.499467134	0.045315374	0.000261179	4.746207714	0.001266934	0.010322144	0.000367194	0.000164023	7.24625E-05	0.09981931	2.00707E-06	6.80981E-05	0.000654946	0.001684357	7.17644E-07
2084 Jan	0.000925383	0.135154158	1.00015E-05	1.361697793	2.499578238	0.045317903	0.000261193	4.746383667	0.001266957	0.010322283	0.000367195	0.000164019	7.24627E-05	0.099823527	2.00707E-06	6.80996E-05	0.000654963	0.00168433	7.17597E-07
2084 Feb	0.000925416	0.135162458	1.00015E-05	1.361764789	2.499767303	0.045323309	0.000261194	4.746647358	0.001267002	0.010322407	0.000367215	0.000164021	7.24646E-05	0.09983068	2.00707E-06	6.81007E-05	0.000655012	0.001684326	7.17573E-07
2084 Mar	0.000925434	0.135166928	1.00015E-05	1.361800909	2.499869347	0.045326229	0.000261195	4.746789932	0.001267026	0.010322474	0.000367226	0.000164022	7.24657E-05	0.099834539	2.00707E-06	6.81013E-05	0.000655039	0.001684323	7.1756E-07
2084 Apr	0.000925444	0.135169417	1.00015E-05	1.361821055	2.49992609	0.045327857	0.000261195	4.746869564	0.00126704	0.010322512	0.000367232	0.000164023	7.24663E-05	0.099836692	2.00707E-06	6.81016E-05	0.000655053	0.001684322	7.17553E-07
2084 May	0.000939854	0.139446437	1.00014E-05	1.394884586	2.594278574	0.048202567	0.000258368	4.870441437	0.001290703	0.010374794	0.00039337	0.000166952	7.50204E-05	0.103384815	2.00676E-06	6.84079E-05	0.000683688	0.001690566	6.85697E-07
2084 Jun	0.000956045	0.144997984	1.00013E-05	1.436363935	2.713739395	0.052016046	0.00025141	5.018578053	0.00132178	0.010431149	0.000428227	0.000172463	7.83646E-05	0.107854873	2.00617E-06	6.85642E-05	0.000724119	0.001706936	6.25764E-07
2084 Jul	0.00095269	0.144269973	1.00013E-05	1.429513693	2.695154667	0.051534496	0.000249939	4.990652084	0.001317468	0.010413278	0.000424172	0.000172467	7.79229E-05	0.107140131	2.00609E-06	6.83324E-05	0.000719599	0.001707941	6.1795E-07
2084 Aug	0.000951303	0.143659741	1.00013E-05	1.425590873	2.683060884	0.051133689	0.000250898	4.977883816	0.001314126	0.010396929	0.0004206	0.000171165	7.76475E-05	0.106707647	2.00603E-06	6.82204E-05	0.000713427	0.001702408	6.12006E-07
2084 Sep	0.000949914	0.142693833	1.00013E-05	1.420803308	2.667126417	0.050499197	0.000254877	4.964167118	0.001309325	0.010386793	0.000414426	0.000168855	7.71982E-05	0.106153592	2.00594E-06	6.82798E-05	0.000704382	0.001693278	6.02652E-07
2084 Oct	0.000950775	0.141649097	1.00012E-05	1.414564252	2.648951292	0.049619559	0.000261906	4.95013237	0.001302689	0.010410678	0.000405942	0.000165661	7.64001E-05	0.105472326	2.00581E-06	6.86814E-05	0.000693497	0.001680656	5.89722E-07
2084 Nov	0.00095108	0.141278476	1.00012E-05	1.412350774	2.6425035	0.049307503	0.0002644	4.94515276	0.001300334	0.010419151	0.000402932	0.000164528	7.61169E-05	0.105230629	2.00577E-06	6.88239E-05	0.000689635	0.001676179	5.85135E-07
2084 Dec	0.000951084	0.141273648	1.00012E-05	1.412321925	2.642419338	0.049303435	0.000264433	4.945088387	0.001300303	0.010419261	0.000402893	0.000164514	7.61133E-05	0.105227485	2.00577E-06	6.88258E-05	0.000689584	0.00167612	5.85075E-07
2085 Jan	0.000951105	0.14127712	1.00012E-05	1.412353396	2.642507315	0.049305387	0.000264444	4.945228577	0.001300321	0.010419375	0.000402892	0.00016451	7.61132E-05	0.105230823	2.00577E-06	6.88271E-05	0.000689598	0.001676098	5.85043E-07
2085 Feb	0.000951133	0.141284034	1.00012E-05	1.412409186	2.642665148	0.049309902	0.000264445	4.945449352	0.001300359	0.010419479	0.000402908	0.000164512	7.61147E-05	0.105236791	2.00577E-06	6.8828E-05	0.000689638	0.001676094	5.85026E-07
2085 Mar	0.000951148	0.141287819	1.00012E-05	1.412439704	2.642750978	0.049312368	0.000264446	4.945569515	0.001300379	0.010419535	0.000402917	0.000164513	7.61156E-05	0.10524004	2.00577E-06	6.88285E-05	0.000689661	0.001676092	5.85017E-07
2085 Apr	0.000951156	0.141289979	1.00012E-05	1.412457108	2.642799854	0.049313765	0.000264446	4.94563818	0.001300391	0.010419568	0.000402922	0.000164514	7.61161E-05	0.105241895	2.00577E-06	6.88288E-05	0.000689673	0.001676091	5.85011E-07
2085 May	0.000961584	0.144437477	1.00012E-05	1.436673164	2.711961269	0.051433764	0.000262111	5.035810947	0.001317823	0.010457266	0.000422216	0.000166798	7.79959E-05	0.107841574	2.00556E-06	6.90441E-05	0.000710968	0.001681285	5.64602E-07
2085 Jun	0.000972189	0.148052186	1.00011E-05	1.463695288	2.789725065	0.053912614	0.000257629	5.132734776	0.001338036	0.010494312	0.00044488	0.000170356	8.01697E-05	0.11075265	2.00525E-06	6.91629E-05	0.000737196	0.001691756	5.32821E-07
2085 Jul	0.000970374	0.147537187	1.00011E-05	1.458698273	2.776277542	0.053539157	0.000256802	5.114073753	0.001334631	0.010481032	0.000441846	0.00016991	7.98394E-05	0.11023555	2.00521E-06	6.89926E-05	0.000732736	0.001690048	5.28086E-07
2085 Aug	0.000967381	0.146314174	1.00011E-05	1.450923681	2.752195835	0.0527489	0.000258668	5.08825779	0.001328085	0.010448707	0.000434746	0.00016748	7.92947E-05	0.109375447	2.00511E-06	6.87784E-05	0.000720876	0.001679921	5.18533E-07
2085 Sep	0.000965447	0.144537941	1.00011E-05	1.441332817	2.721776962	0.051506251	0.000266568	5.061271191	0.001318641	0.010443717	0.000422731	0.000163234	7.8328E-05	0.108289883	2.00496E-06	6.90057E-05	0.000704291	0.001663371	5.03606E-07
2085 Oct	0.000965951	0.143501133	1.0001E-05	1.434945583	2.703276396	0.050644469	0.00027305	5.045858383	0.001312104	0.010465388	0.000414448	0.000160296	7.75417E-05	0.107594609	2.00486E-06	6.93749E-05	0.000693884	0.001651916	4.93274E-07
2085 Nov	0.000966198	0.142992377	1.0001E-05	1.431811452	2.69419837	0.050221596	0.00027623	5.038295269	0.001308896	0.010476021	0.000410384	0.000158854	7.71559E-05	0.107253447	2.00481E-06	6.9556E-05	0.000688777	0.001646295	4.88204E-07
2085 Dec	0.000966201	0.142985657	1.0001E-05	1.431770205	2.694078684	0.050216027	0.000276272	5.03819561	0.001308854	0.010476161	0.000410331	0.000158835	7.71508E-05	0.107248954	2.00481E-06	6.95584E-05	0.00068871	0.001646221	4.88137E-07
2086 Jan	0.000966227	0.142989829	1.0001E-05	1.431807518	2.69418335	0.05021837	0.000276286	5.038362503	0.001308874	0.010476298	0.000410328	0.000158831	7.71506E-05	0.107252918	2.00481E-06	6.95599E-05	0.000688726	0.001646195	4.88104E-07
2086 Feb	0.00096626	0.142998248	1.0001E-05	1.431875348	2.694374561	0.050223872	0.000276286	5.038629055	0.00130892	0.010476422	0.000410348	0.000158833	7.71525E-05	0.10726016	2.00481E-06	6.9561E-05	0.000688776	0.001646192	4.88087E-07
2086 Mar	0.000966278	0.143002838	1.0001E-05	1.431912422	2.694479227	0.050226875	0.000276287	5.038774967	0.001308945	0.01047649	0.000410358	0.000158834	7.71535E-05	0.107264109	2.00481E-06	6.95616E-05	0.000688804	0.00164619	4.88077E-07
2086 Apr	0.000966288	0.143005461	1.0001E-05	1.431933522	2.694538593	0.050228581	0.000276287	5.038857937	0.00130896	0.01047653	0.000410364	0.000158835	7.71541E-05	0.107266359	2.00481E-06	6.95619E-05	0.000688819	0.001646189	4.88072E-07
2086 May	0.000969333	0.143955022	1.0001E-05	1.439172029	2.71525383	0.050870731	0.000275442	5.065591335	0.001314229	0.010487515	0.000416216	0.000159598	7.77208E-05	0.108044162	2.00476E-06	6.96203E-05	0.000695377	0.001648106	4.82838E-07
2086 Jun	0.000972869	0.147308394	1.00009E-05	1.46052134	2.779462576	0.053366769	0.000262926	5.125151157	0.001333831	0.01049383	0.000439511	0.00016725	7.9793E-05	0.110391796	2.00424E-06	6.91678E-05	0.000727896	0.00167874	4.30362E-07
2086 Jul	0.000964697	0.145741284	1.00009E-05	1.445940971	2.739728212	0.052381486	0.000259292	5.063113689	0.001325104	0.010456237	0.000431055	0.000168037	7.88671E-05	0.108863607	2.00414E-06	6.86854E-05	0.000720251	0.001685008	4.19532E-07
2086 Aug	0.000962505	0.144806132	1.00009E-05	1.439258695	2.719875813	0.051743902	0.000260202	5.041071415	0.001319654	0.010430931	0.000425528	0.000166139	7.84043E-05	0.108140655	2.00407E-06	6.84854E-05	0.000710643	0.001676828	4.13233E-07
2086 Sep	0.000959422	0.143031314	1.00008E-05	1.430368781	2.690220833	0.05060434	0.000266817	5.014505386	0.001311004	0.01040767	0.000414458	0.000162185	7.76087E-05	0.107111141	2.00396E-06	6.85462E-05	0.000694518	0.001661355	4.02052E-07
2086 Oct	0.000959745	0.14251335	1.00008E-05	1.427195787	2.681028128	0.05017012	0.000270152	5.007062912	0.001307719	0.010419209	0.000410281	0.000160683	7.72114E-05	0.106765583	2.00392E-06	6.87412E-05	0.000689263	0.001655478	3.97804E-07
2086 Nov	0.000959755	0.142498106	1.00008E-05	1.427102208	2.680757284	0.050157327	0.000270251	5.006843567	0.001307622	0.010419549	0.000410158	0.000160639	7.71997E-05	0.106755406	2.00392E-06	6.87469E-05	0.000689108	0.001655305	3.97679E-07
2086 Dec	0.000959757	0.142494693	1.00008E-05	1.427081466	2.680696964	0.05015447	0.000270272	5.00679493	0.001307601	0.010419626	0.00041013	0.000160629	7.71971E-05	0.106753133	2.00392E-06	6.87482E-05	0.000689073	0.001655266	3.97651E-07
2087 Jan	0.000959771	0.142497018	1.00008E-05	1.427102447	2.680755854	0.050155785	0.00027028	5.006889343	0.001307612	0.010419704	0.000410129	0.000160627	7.7197E-05	0.106755368	2.00392E-06	6.87491E-05	0.000689082	0.001655252	3.97636E-07
2087 Feb	0.00095979	0.142501757	1.00008E-05	1.427140594	2.680863142	0.050158866	0.000270281	5.00703907	0.001307638	0.010419775	0.00041014	0.000160628	7.7198E-05	0.106759429	2.00392E-06	6.87497E-05	0.00068911	0.001655249	3.97628E-07
2087 Mar	0.0009598	0.142504349	1.00008E-05	1.427161336	2.68092227	0.05016055	0.000270281	5.007121086	0.001307652	0.010419814	0.000410146	0.000160629	7.71986E-05	0.106761657	2.00392E-06	6.87501E-05	0.000689126	0.001655248	3.97624E-07
2087 Apr	0.000959806	0.14250581	1.00008E-05	1.427173138	2.68095541	0.050161507	0.000270281	5.007167816	0.00130766	0.010419836	0.000410149	0.000160629	7.71989E-05	0.106762916	2.00392E-06	6.87503E-05	0.000689135	0.001655248	3.97621E-07
2087 May	0.000965545	0.144265622	1.00008E-05	1.440606713	2.719398022	0.05134625	0.000268842	5.057056904	0.001317396	0.010441197	0.000420941	0.000162001	7.82429E-05	0.108206205	2.00384E-06	6.88739E-05	0.000701214	0.001658603	3.8976E-07
2087 Jun	0.000977891	0.148804903	1.00008E-05	1.473776221	2.815430403	0.054477029	0.000261887	5.173734188	0.001342827	0.010485958	0.000449647	0.000167254	8.09525E-05	0.111788884	2.00354E-06	6.89768E-05	0.000735621	0.001675532	3.5965E-07
2087 Jul	0.00097454	0.14793019	1.00007E-05	1.465310931	2.792623043	0.053855512	0.000260354	5.14142561	0.001337189	0.010464096	0.000444555	0.000166733	8.03941E-05	0.11091125	2.00349E-06	6.86976E-05	0.000728671	0.001673875	3.54358E-07

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.000973527	0.147496462	1.00007E-05	1.461835027	2.782696486	0.053544529	0.000260512	5.129861355	0.00133446	0.010452601	0.000441939	0.000165887	8.01537E-05	0.110542499	2.00347E-06	6.85913E-05	0.000724097	0.001670159	3.51847E-07
2087 Sep	0.000973274	0.146991789	1.00007E-05	1.458907127	2.773810387	0.053163417	0.000263084	5.122059345	0.001331563	0.01045628	0.000438269	0.000164623	7.98311E-05	0.110217422	2.00344E-06	6.87052E-05	0.000719302	0.001665264	3.488E-07
2087 Oct	0.000973451	0.146431088	1.00007E-05	1.455426931	2.76371789	0.052701414	0.000266463	5.113467216	0.001328055	0.010467323	0.000433833	0.000163093	7.94096E-05	0.109838434	2.0034E-06	6.88988E-05	0.000713776	0.001659336	3.45109E-07
2087 Nov	0.00097353	0.146181047	1.00007E-05	1.453874946	2.759217501	0.05249539	0.000267971	5.109635353	0.00132649	0.010472248	0.000431855	0.000162411	7.92217E-05	0.109669432	2.00339E-06	6.89851E-05	0.000711311	0.001656692	3.43463E-07
2087 Dec	0.000973532	0.14617613	1.00007E-05	1.453844309	2.759128809	0.05249133	0.000268	5.109559536	0.001326459	0.010472345	0.000431816	0.000162397	7.9218E-05	0.109666109	2.00338E-06	6.89868E-05	0.000711263	0.00165664	3.43431E-07
2088 Jan	0.000973551	0.146179125	1.00007E-05	1.453871727	2.759204865	0.052492995	0.000268011	5.109683037	0.001326474	0.010472449	0.000431813	0.000162394	7.92177E-05	0.109668992	2.00338E-06	6.89881E-05	0.000711274	0.00165662	3.43413E-07
2088 Feb	0.000973576	0.146185517	1.00007E-05	1.453923345	2.759350538	0.052497167	0.000268012	5.109886169	0.001326509	0.010472545	0.000431827	0.000162396	7.92191E-05	0.109674498	2.00338E-06	6.89889E-05	0.000711312	0.001656617	3.43403E-07
2088 Mar	0.00097359	0.146188974	1.00007E-05	1.45395124	2.759429455	0.052499425	0.000268012	5.109996319	0.001326528	0.010472598	0.000431835	0.000162397	7.92199E-05	0.109677486	2.00338E-06	6.89894E-05	0.000711332	0.001656616	3.43398E-07
2088 Apr	0.000973609	0.146193743	1.00007E-05	1.453989625	2.759537935	0.052502532	0.000268013	5.11014843	0.001326554	0.010472669	0.000431846	0.000162398	7.92209E-05	0.109681584	2.00338E-06	6.899E-05	0.000711361	0.001656614	3.43391E-07
2088 May	0.000974311	0.146377757	1.00007E-05	1.455458879	2.763693333	0.052623384	0.000268	5.115878582	0.00132756	0.010475336	0.0004324	0.00016247	7.92746E-05	0.109838597	2.00338E-06	6.90121E-05	0.000712488	0.001656618	3.43028E-07
2088 Jun	0.000951929	0.142972499	1.00007E-05	1.422850609	2.675271988	0.050681192	0.000256011	4.965003967	0.001310286	0.010386494	0.000415547	0.000167681	7.73457E-05	0.106418133	2.00312E-06	6.77951E-05	0.000704094	0.001688082	3.16557E-07
2088 Jul	0.000943928	0.141558811	1.00007E-05	1.409803391	2.639621019	0.049826145	0.000252441	4.90767765	0.001302779	0.010353426	0.000408105	0.00016891	7.65265E-05	0.105046324	2.00305E-06	6.73707E-05	0.000698606	0.0016965	3.09007E-07
2088 Aug	0.000943287	0.141277626	1.00006E-05	1.408130527	2.63429594	0.049646672	0.000252976	4.902318478	0.001301312	0.01034588	0.000406477	0.000168303	7.64084E-05	0.104858801	2.00303E-06	6.73272E-05	0.000695813	0.001693945	3.07621E-07
2088 Sep	0.000942904	0.140920222	1.00006E-05	1.406347036	2.6284163	0.04940296	0.000254615	4.897531986	0.001299479	0.010343813	0.000404107	0.000167401	7.62293E-05	0.104653142	2.00301E-06	6.73702E-05	0.000692389	0.001690361	3.05749E-07
2088 Oct	0.000944058	0.139770433	1.00006E-05	1.399574995	2.608605623	0.048425127	0.000262649	4.883134842	0.00129214	0.010372146	0.00039467	0.000163789	7.53415E-05	0.10391178	2.00294E-06	6.78513E-05	0.00068025	0.001676017	2.98256E-07
2088 Nov	0.000944378	0.139451981	1.00006E-05	1.397699475	2.603118896	0.048154302	0.000264875	4.879146576	0.001290107	0.010379993	0.000392056	0.000162788	7.50956E-05	0.103706449	2.00292E-06	6.79845E-05	0.000676888	0.001672044	2.96181E-07
2088 Dec	0.000944382	0.13944754	1.00006E-05	1.397673249	2.603042364	0.048150532	0.000264906	4.879091263	0.001290079	0.010380102	0.00039202	0.000162774	7.50922E-05	0.103703588	2.00292E-06	6.79863E-05	0.000676841	0.001671989	2.96152E-07
2089 Jan	0.000944404	0.139450982	1.00006E-05	1.397704482	2.603129148	0.048152477	0.000264917	4.879230499	0.001290097	0.010380214	0.000392019	0.000162771	7.50921E-05	0.103706889	2.00292E-06	6.79876E-05	0.000676854	0.001671967	2.96136E-07
2089 Feb	0.00094443	0.139457703	1.00006E-05	1.397758603	2.603281975	0.04815685	0.000264918	4.879444599	0.001290133	0.010380315	0.000392035	0.000162773	7.50937E-05	0.103712663	2.00292E-06	6.79885E-05	0.000676894	0.001671964	2.96128E-07
2089 Mar	0.000944445	0.139461353	1.00006E-05	1.397788048	2.603365183	0.048159231	0.000264918	4.879560947	0.001290153	0.01038037	0.000392043	0.000162774	7.50945E-05	0.103715807	2.00292E-06	6.7989E-05	0.000676915	0.001671962	2.96123E-07
2089 Apr	0.000944455	0.139463931	1.00006E-05	1.397808909	2.603423834	0.048160914	0.000264919	4.87964344	0.001290167	0.010380409	0.000392049	0.000162775	7.50951E-05	0.103718035	2.00292E-06	6.79894E-05	0.000676931	0.001671961	2.9612E-07
2089 May	0.000952843	0.141987771	1.00006E-05	1.417248249	2.658871889	0.049858436	0.000263082	4.952367306	0.001304146	0.010411153	0.000407459	0.000164612	7.65953E-05	0.105803527	2.00284E-06	6.81824E-05	0.000694004	0.001676126	2.88029E-07
2089 Jun	0.000967341	0.146861285	1.00006E-05	1.453810811	2.763849974	0.053190202	0.000257303	5.084744453	0.001331385	0.010463009	0.00043794	0.000169333	7.95201E-05	0.109737776	2.00263E-06	6.8407E-05	0.000729196	0.00168982	2.67231E-07
2089 Jul	0.000964718	0.146097988	1.00006E-05	1.446364999	2.743814945	0.052631274	0.000256078	5.057262897	0.001326283	0.010443258	0.000433425	0.000168625	7.9027E-05	0.108967654	2.0026E-06	6.81586E-05	0.000722418	0.001687001	2.63623E-07
2089 Aug	0.000963327	0.145447254	1.00005E-05	1.440546989	2.72774601	0.052135047	0.000255923	5.038167953	0.0013218	0.010425492	0.000429413	0.000167283	7.86283E-05	0.108361214	2.00257E-06	6.79693E-05	0.000715011	0.001680855	2.60552E-07
2089 Sep	0.000963162	0.144739509	1.00005E-05	1.436524272	2.715489388	0.051592667	0.000259804	5.028002739	0.001317702	0.010432298	0.000424178	0.00016548	7.81686E-05	0.107913457	2.00254E-06	6.81536E-05	0.000708122	0.001673523	2.57235E-07
2089 Oct	0.000964001	0.143152669	1.00005E-05	1.426938057	2.687484026	0.050276268	0.000269896	5.005548	0.001307767	0.010465689	0.000411507	0.00016086	7.69749E-05	0.106865361	2.00246E-06	6.8743E-05	0.000692137	0.001655743	2.4919E-07
2089 Nov	0.000964117	0.142934814	1.00005E-05	1.425621867	2.68363905	0.050095532	0.000271281	5.002465248	0.001306402	0.010470273	0.000409767	0.000160236	7.6811E-05	0.106721461	2.00245E-06	6.88239E-05	0.000689943	0.001653302	2.48086E-07
2089 Dec	0.000964119	0.142930359	1.00005E-05	1.425595045	2.683560133	0.050091829	0.000271309	5.002401829	0.001306375	0.010470368	0.000409731	0.000160223	7.68076E-05	0.106718518	2.00245E-06	6.88256E-05	0.000689898	0.001653252	2.48063E-07
2090 Jan	0.000964138	0.142933384	1.00005E-05	1.425622463	2.683636904	0.050093543	0.00027132	5.00252533	0.00130639	0.010470467	0.00040973	0.00016022	7.68075E-05	0.106721431	2.00244E-06	6.88268E-05	0.00068991	0.001653233	2.48051E-07
2090 Feb	0.000964162	0.142939538	1.00005E-05	1.425672174	2.683777094	0.050097562	0.00027132	5.00272131	0.001306423	0.010470559	0.000409744	0.000160222	7.68089E-05	0.106726736	2.00244E-06	6.88276E-05	0.000689946	0.00165323	2.48044E-07
2090 Mar	0.000964175	0.142942891	1.00005E-05	1.425699353	2.683853388	0.050099757	0.000271321	5.002827644	0.001306442	0.010470608	0.000409752	0.000160223	7.68097E-05	0.106729627	2.00244E-06	6.8828E-05	0.000689966	0.001653229	2.48041E-07
2090 Apr	0.000964183	0.142944798	1.00005E-05	1.42571485	2.683897018	0.050101005	0.000271321	5.00288868	0.001306452	0.010470637	0.000409756	0.000160224	7.68101E-05	0.106731273	2.00244E-06	6.88283E-05	0.000689977	0.001653228	2.48039E-07
2090 May	0.00096557	0.143374428	1.00005E-05	1.429017901	2.693314552	0.05039195	0.000270963	5.015151024	0.001308847	0.010475633	0.000412404	0.000160562	7.70679E-05	0.107085541	2.00243E-06	6.88583E-05	0.000692936	0.00165406	2.46836E-07
2090 Jun	0.000971634	0.147231743	1.00005E-05	1.455234647	2.770386696	0.053215541	0.000259469	5.095964909	0.001331379	0.010491522	0.000438573	0.000167978	7.94669E-05	0.109936781	2.00217E-06	6.8579E-05	0.000727848	0.001682605	2.20472E-07
2090 Jul	0.000965162	0.145987764	1.00005E-05	1.443752527	2.738988876	0.052435569	0.00025665	5.04723978	0.001324492	0.010461691	0.000431872	0.00016859	7.87376E-05	0.108731344	2.00213E-06	6.82074E-05	0.000721776	0.001687515	2.16063E-07
2090 Aug	0.000959399	0.143674597	1.00004E-05	1.430690765	2.696499109	0.051008999	0.000261276	5.00440836	0.001313038	0.010400312	0.000418677	0.000163959	7.78161E-05	0.107248455	2.00206E-06	6.789E-05	0.000700112	0.001668577	2.08833E-07
2090 Sep	0.000958301	0.141853869	1.00004E-05	1.420704603	2.665328264	0.049671602	0.000270493	4.978307247	0.001302938	0.010407363	0.000405743	0.000159314	7.67286E-05	0.106125101	2.00199E-06	6.82668E-05	0.000682666	0.001650393	2.02095E-07
2090 Oct	0.0009596	0.13989231	1.00004E-05	1.408788323	2.630677462	0.04802493	0.000283283	4.950912476	0.00129052	0.010452151	0.00038989	0.000153604	7.52231E-05	0.104824655	2.00191E-06	6.90347E-05	0.000662758	0.001628037	1.93811E-07
2090 Nov	0.000959951	0.139362514	1.00004E-05	1.405569911	2.621318817	0.04758019	0.000286737	4.94351387	0.001287166	0.010464248	0.000385609	0.000152061	7.48164E-05	0.104473434	2.00189E-06	6.92421E-05	0.000657382	0.001621999	1.91574E-07
2090 Dec	0.000959957	0.13935481	1.00004E-05	1.405523181	2.621182919	0.04757373	0.000286787	4.943406105	0.001287117	0.010464424	0.000385547	0.000152039	7.48105E-05	0.104468323	2.00189E-06	6.92451E-05	0.000657304	0.001621912	1.91541E-07
2091 Jan	0.000959982	0.139359117	1.00004E-05	1.405561566	2.621289968	0.0475762	0.0002868	4.943575859	0.001287139	0.010464557	0.000385546	0.000152035	7.48105E-05	0.104472399	2.00189E-06	6.92466E-05	0.000657322	0.001621888	1.91528E-07
2091 Feb	0.000960015	0.139367476	1.00004E-05	1.4056288	2.62147975	0.047581665	0.0002868	4.94383955	0.001287185	0.01046468	0.000385566	0.000152038	7.48124E-05	0.104479574	2.00189E-06	6.92477E-05	0.000657372	0.001621886	1.91522E-07
2091 Mar	0.000960032	0.139372066	1.00004E-05	1.405665517	2.621583462	0.047584657	0.0002868	4.943984509	0.00128721	0.010464748	0.000385577	0.00015204	7.48135E-05	0.104483493	2.00189E-06	6.92483E-05	0.000657399	0.001621884	1.91518E-07
2091 Apr	0.000960043	0.139374658	1.00004E-05	1.405686498	2.62164259	0.047586363	0.0002868	4.944067001	0.001287224	0.010464787	0.000385583	0.000152041	7.48141E-05	0.104485728	2.00189E-06	6.92486E-05	0.000657415	0.001621883	1.91516E-07
2091 May	0.000964646	0.140836909	1.00004E-05	1.416810393	2.653441668	0.048578188	0.000285384	4.985115051	0.001295363	0.010481221	0.000394634	0.000153277	7.56897E-05	0.105680391	2.00186E-06	6.934E-05	0.000667613	0.001625105	1.88477E-07
2091 Jun	0.00098009	0.146748349	1.00004E-05	1.459982395	2.778084278	0.052688371	0.000275474	5.136304379	0.001328726	0.010533257	0.000432395	0.000160455	7.92647E-05	0.110338025	2.00168E-06	6.94367E-05	0.000712928	0.001648567	1.70844E-07
2091 Jul	0.000976959	0.14616403	1.00004E-05	1.454498053	2.763140202	0.052323371	0.000273992	5.112878799	0.001325483	0.010518723	0.000429278	0.000160806	7.8921E-05	0.10976328	2.00167E-06	6.92525E-05	0.000710166	0.001651159	1.69225E-07
2091 Aug	0.000973165	0.144730777	1.00003E-05	1.446068764	2.736121416	0.051438194	0.000276398	5.08460474	0.001318305	0.010479555	0.000421159	0.000158103	7.83391E-05	0.108813576	2.00163E-06	6.90282E-05	0.000696936	0.00164016	1.65701E-07
2091 Sep	0.000969513	0.143095225	1.00003E-05	1.437966585	2.708619356	0.050440188	0.00028148	5.058916569	0.001310703	0.010448644	0.00041148	0.000154805	7.76813E-05	0.107868142	2.00159E-06	6.89913E-05	0.000682637	0.001627377	1.61743E-07
2091 Oct	0.000969956	0.142035529	1.00003E-05	1.431319237	2.68943882	0.049556509	0.000287977	5.042751789	0.001303996	0.010471337	0.000403008	0.000151895	7.6868E-05	0.107145742	2.00156E-06	6.938E-05	0.000672154	0.001616102	1.58252E-07
2091 Nov	0.000970308	0.14119114	1.00003E-05	1.426022649	2.674155712	0.048852384	0.000293154	5.029870987	0.001298652	0.01048942	0.000396258	0.000149577	7.62199E-05	0.10657014	2.00153E-06	6.96897E-05	0.000663802	0.001607118	1.5547E-07
2091 Dec	0.000970325	0.141149223	1.00003E-05	1.425759673	2.673396826	0.048817426	0.000293411	5.029231548	0.001298387	0.010490318	0.000395923	0.000149462	7.61877E-05	0.106541559	2.00153E-06	6.97051E-05	0.000663387	0.001606672	1.55332E-07
2092 Jan	0.000970354	0.14115411	1.00003E-05	1.425802827	2.673518181	0.048820224	0.000293425	5.029423237	0.001298412	0.010490471	0.000395921	0.000149458	7.61876E-05	0.106546149	2.00153E-06	6.97068E-05	0.000663408	0.001606646	1.5532E-07
2092 Feb	0.000970392	0.141163886	1.00003E-05	1.425881147	2.673739433	0.048826609	0.000293425	5.02973032	0.001298465	0.010490615	0.000395944	0.000149461	7.61898E-05	0.106554508	2.00153E-06	6.97081E-05	0.000663467	0.001606643	1.55314E-07
2092 Mar	0.000970413	0.14116919	1.00003E-05	1.425923705	2.673859358	0.048830073	0.000293425	5.029897213	0.001298494	0.010490693	0.000395957	0.000149463	7.6191E-05	0.106559046	2.00153E-06	6.97087E-05	0.000663499	0.001606642	1.5531E-07
2092 Apr	0.000970425	0.141172141	1.00003E-05	1.425947309	2.673926115	0.048832007	0.000293425	5.029990196	0.00129851	0.010490736	0.000395964	0.000149464	7.61917E-05	0.106561571	2.00153E-06	6.97091E-05	0.000663516	0.001606641	1.55308E-07
2092 May	0.000976137	0.143017441	1.00003E-05	1.439850807	2.71378541	0.050083112	0.000291467	5.081066608	0.001308755	0.010511357	0.000407401	0.000151109	7.72906E-05	0.108056784	2.0015E-06	6.98173E-05	0.000676518	0.0016111	1.52137E-07
2092 Jun	0.000988869	0.149269432	1.00003E-05	1.482968688	2.840226889	0.054522216	0.000275956	5.222469807	0.001344315	0.010551985	0.000448535	0.000161286	8.10657E-05	0.112742595	2.00131E-06	6.96168E-05	0.000729137	0.001648253	1.32511E-07
2092 Jul	0.00097916	0.147460803	1.00003E-05	1.466056705	2.794124126	0.05339412	0.000271481	5.150104046	0.001334331	0.010508439	0.000438854	0.000162428	7.99976E-05	0.110969111	2.00127E-06	6.90663E-05	0.000720813	0.00165663	1.28793E-07
2092 Aug	0.000977904	0.146983191	1.00003E-05	1.463223219	2.785080433	0.053097408	0.000272286	5.140610218	0.001331924	0.010495698	0.000436133	0.000161533	7.98001E-05	0.11065048	2.00126E-06	6.89943E-05	0.000716414	0.001652996	1.27916E-07
2092 Sep	0.000976391	0.146161705	1.00003E-05	1.458922148	2.770977259	0.052565806	0.000275166	5.127509594	0.001327865	0.010485334	0.000431002	0.000159802	7.94191E-05	0.11015664	2.00125E-06	6.90236E-05	0.000709097	0.001646295	1.26352E-07
2092 Oct	0.000976538	0.14559871	1.00003E-05	1.455371976	2.7607131	0.052100975	0.000278484	5.118685722	0.001324326	0.010496287	0.000426555	0.000158293	7.89937E-05	0.1097707	2.00123E-06	6.92176E-05	0.00070357	0.001640452	1.24988E-07
2092 Nov	0.000976579	0.145441577	1.00003E-05	1.454381108	2.757848263	0.051971253	0.000279409	5.116223335	0.001323339	0.010499342	0.000425314	0.000157872	7.88749E-05	0.109662995	2.00123E-06	6.92717E-05	0.000702027	0.001638822	1.24607E-07
2092 Dec	0.00097658	0.145436913	1.00003E-05	1.454351664	2.757763147	0.051967401	0.000279437	5.116150379	0.001323309	0.010499434	0.000425278	0.00015786	7.88714E-05	0.109659791	2.00123E-06	6.92733E-05	0.000701981	0.001638773	1.24596E-07
2093 Jan	0.000976598	0.145439819	1.00003E-05	1.45437777	2.757835865	0.051969014	0.000279446	5.116267681	0.001323324	0.010499531	0.000425275	0.000157857	7.88712E-05	0.109662548	2.00123E-06	6.92745E-05	0.000701992	0.001638755	1.2459E-07
2093 Feb	0.000976622	0.145445853	1.00003E-05	1.454426289	2.757972956	0.051972955	0.000279447	5.116458893	0.001323357	0.010499622	0.000425289	0.000157859	7.88725E-05	0.109667733	2.00123E-06	6.92753E-05	0.000702028	0.001638753	1.24587E-07
2093 Mar	0.000976635	0.145449147	1.00003E-05	1.454452753	2.758047819	0.051975109	0.000279447	5.11656332	0.001323375	0.010499671	0.000425296	0.00015786	7.88732E-05	0.109670565	2.00123E-06	6.92757E-05	0.000702048	0.001638752	1.24585E-07
2093 Apr	0.000976642	0.145451039	1.00003E-05	1.454467893	2.758090734	0.051976334	0.000279447	5.116622925	0.001323385	0.010499699	0.000425301	0.00015786	7.88736E-05	0.109672181	2.00123E-06	6.92759E-05	0.000702059	0.001638751	1.24584E-07
2093 May	0.000981349	0.146932617	1.00003E-05	1.465694904	2.790235758	0.05297666	0.000278037	5.158178806	0.001331591	0.010516924	0.000434436	0.000159102	7.97537E-05	0.110878803	2.00121E-06	6.93745E-05	0.000712354	0.001641956	1.22439E-07
2093 Jun	0.000992599	0.151659951	1.00002E-05	1.499227881	2.88787055	0.056281328	0.000268485	5.272689342	0.001358251	0.010555523	0.000464931	0.000165697	8.25885E-05	0.11451073	2.00109E-06	6.93694E-05	0.000750105	0.001664795	1.1105E-07
2093 Jul	0.000988408	0.150732279	1.00002E-05	1.490448833	2.864037991	0.055659879	0.00026662	5.237436771	0.001352692	0.010533099	0.00045972	0.000165664	8.20178E-05	0.113594718	2.00108E-06	6.90901E-05	0.000744185	0.001665818	1.0945E-07
2093 Aug	0.00098695	0.15014708	1.00002E-05	1.485992074	2.85107398	0.055253357	0.000266946	5.222493172	0.001349179	0.010517713	0.000456242	0.000164584	8.17095E-05	0.113117203	2.00107E-06	6.89615E-05	0.000738294	0.001661181	1.08476E-07
2093 Sep	0.000986343	0.149318159	1.00002E-05	1.481078148	2.836197853	0.054633744	0.000270867	5.208974361	0.001344446	0.010522181	0.000450303	0.000162624	8.11854E-05	0.112572618	2.00105E-06	6.91314E-05	0.000730579	0.001653642	1.07006E-07
2093 Oct	0.000986475	0.147320479	1.00002E-05	1.468399644	2.799499989	0.053003833	0.000282121	5.176509857	0.001332007	0.010557493	0.000434728	0.000157473	7.9698E-05	0.111194104	2.00102E-06	6.97767E-05	0.00071131	0.001633829	1.03142E-07
2093 Nov	0.000986534	0.14641881	1.00002E-05	1.46267724	2.782936573	0.052268181	0.0002872	5.161856651	0.001326392	0.010573432	0.000427698	0.000155149	7.90268E-05	0.110571906	2.001E-06	7.00679E-05	0.000702613	0.001624886	1.01397E-07
2093 Dec	0.000986535	0.146409169	1.00002E-05	1.462615967	2.78275919	0.052260302	0.000287254	5.161699772	0.001326332	0.010573601	0.000427623	0.000155124	7.90196E-05	0.110565238	2.001E-06	7.0071E-05	0.00070252	0.00162479	1.01379E-07
2094 Jan	0.000986559	0.146413118	1.00002E-05	1.46265161	2.782858849	0.052262533	0.000287267	5.161859989	0.001326352	0.010573733	0.000427619	0.00015512	7.90192E-05	0.110569023	2.001E-06	7.00726E-05	0.000702536	0.001624766	1.01372E-07
2094 Feb	0.000986592	0.146421552	1.00002E-05	1.462719321	2.783049822	0.052268036	0.000287268	5.162126541	0.001326398	0.010573857	0.000427638	0.000155123	7.90211E-05	0.110576242	2.001E-06	7.00736E-05	0.000702586	0.001624763	1.01368E-07
2094 Mar	0.00098661	0.146426126	1.00002E-05	1.462756157	2.783153772	0.052271031	0.000287268	5.162271023	0.001326423	0.010573924	0.000427648	0.000155124	7.90221E-05	0.110580176	2.001E-06	7.00742E-05	0.000702613	0.001624762	1.01366E-07
2094 Apr	0.000986621	0.146428734	1.00002E-05	1.462777138	2.783213139	0.052272741	0.000287268	5.162353992	0.001326437	0.010573962	0.000427654	0.000155125	7.90226E-05	0.110582426	2.001E-06	7.00746E-05	0.000702629	0.001624761	1.01365E-07
2094 May	0.00099407	0.148834676	1.00002E-05	1.4809829	2.835302114	0.053907447	0.00028473	5.229317665	0.00133983	0.010600154	0.000442593	0.000157242	8.0464E-05	0.112538613	2.00097E-06	7.02139E-05	0.000719523	0.001630422	9.84988E-08
2094 Jun	0.001005174	0.153048605	1.00002E-05	1.511747837	2.924082994	0.056831636	0.000277688	5.337539673	0.00136356	0.010637004	0.000469477	0.000162286	8.30095E-05	0.115857445	2.0009E-06	7.02904E-05	0.000751592	0.001646717	9.16711E-08

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.0010025	0.152450606	1.00002E-05	1.506069779	2.908667326	0.056429442	0.000276459	5.314864635	0.001359948	0.010622001	0.000466123	0.000162226	8.26428E-05	0.115265325	2.0009E-06	7.01045E-05	0.000747646	0.001647153	9.0831E-08
2094 Aug	0.001001647	0.152126983	1.00002E-05	1.50358808	2.901456594	0.056206446	0.000276584	5.306423187	0.001358017	0.01061328	0.000464217	0.000161661	8.24733E-05	0.114999518	2.00089E-06	7.003E-05	0.000744452	0.001644742	9.03953E-08
2094 Sep	0.001000979	0.151178181	1.00002E-05	1.497751594	2.884076834	0.055485524	0.00028104	5.290168285	0.001352488	0.010620317	0.000457332	0.000159473	8.18484E-05	0.114357598	2.00088E-06	7.0236E-05	0.000735713	0.001636406	8.89992E-08
2094 Oct	0.001000723	0.14984487	1.00002E-05	1.489176035	2.859263897	0.054413203	0.00028807	5.26731205	0.001344268	0.010640831	0.000447111	0.000156221	8.08725E-05	0.113425843	2.00086E-06	7.06269E-05	0.000723151	0.001624014	8.69238E-08
2094 Nov	0.001000458	0.148462638	1.00002E-05	1.480286002	2.833540916	0.053301547	0.000295357	5.243617058	0.001335747	0.010662097	0.000436515	0.000152849	7.98609E-05	0.112459905	2.00084E-06	7.10321E-05	0.000710128	0.001611168	8.47724E-08
2094 Dec	0.001000441	0.148374826	1.00002E-05	1.479721189	2.831906796	0.053230919	0.00029582	5.24211216	0.001335206	0.010663447	0.000435841	0.000152635	7.97966E-05	0.112398535	2.00083E-06	7.10579E-05	0.000709301	0.001610352	8.46357E-08
2095 Jan	0.001000469	0.14837946	1.00002E-05	1.479762912	2.832023144	0.053233542	0.000295835	5.242298126	0.001335229	0.010663597	0.000435837	0.00015263	7.97962E-05	0.112402961	2.00083E-06	7.10596E-05	0.000709319	0.001610324	8.46286E-08
2095 Feb	0.001000508	0.148389518	1.00002E-05	1.479843616	2.832250834	0.053240128	0.000295835	5.2426157	0.001335284	0.010663741	0.000435859	0.000152634	7.97984E-05	0.112411574	2.00083E-06	7.10609E-05	0.000709379	0.001610321	8.46249E-08
2095 Mar	0.00100053	0.148395002	1.00002E-05	1.479887724	2.832375288	0.053243726	0.000295835	5.242788792	0.001335314	0.01066382	0.000435872	0.000152636	7.97995E-05	0.112416282	2.00083E-06	7.10616E-05	0.000709412	0.00161032	8.46229E-08
2095 Apr	0.001000542	0.148398131	1.00002E-05	1.479912758	2.832446098	0.053245775	0.000295835	5.242887497	0.001335331	0.010663866	0.000435879	0.000152637	7.98002E-05	0.112418965	2.00083E-06	7.1062E-05	0.000709431	0.001610319	8.46218E-08
2095 May	0.001007759	0.150802314	1.00002E-05	1.498040915	2.884306669	0.054889843	0.000292991	5.309058666	0.001348774	0.01068806	0.000450922	0.000154874	8.12521E-05	0.114366926	2.00081E-06	7.1176E-05	0.000726515	0.001616527	8.21743E-08
2095 Jun	0.001016051	0.153965771	1.00002E-05	1.521221757	2.951058865	0.057092268	0.000287636	5.390617847	0.001366642	0.010713954	0.000471176	0.000158635	8.31791E-05	0.116865538	2.00077E-06	7.12199E-05	0.000750503	0.001628585	7.80608E-08
2095 Jul	0.001014289	0.153475568	1.00002E-05	1.516422987	2.938124657	0.056736853	0.000286743	5.372787952	0.001363388	0.010700605	0.000468312	0.000158224	8.28661E-05	0.116368867	2.00076E-06	7.10546E-05	0.00074622	0.001626967	7.74528E-08
2095 Aug	0.001010494	0.152126849	1.00002E-05	1.506880522	2.909582138	0.055851482	0.000287658	5.339848518	0.00135588	0.01066358	0.000460552	0.000155977	8.22201E-05	0.115331151	2.00075E-06	7.07709E-05	0.000733612	0.001617695	7.59889E-08
2095 Sep	0.001007256	0.150896013	1.00002E-05	1.500476599	2.888179541	0.055115361	0.000290755	5.318273067	0.001350208	0.010637208	0.000453462	0.000153809	8.17324E-05	0.114590101	2.00074E-06	7.06948E-05	0.000723365	0.001609524	7.47778E-08
2095 Oct	0.001007149	0.150545344	1.00002E-05	1.498193264	2.88159585	0.054834206	0.000292554	5.312057972	0.001348049	0.010642526	0.000450784	0.000152985	8.14752E-05	0.114342391	2.00073E-06	7.07953E-05	0.000720121	0.001606414	7.43169E-08
2095 Nov	0.001006915	0.149772197	1.00002E-05	1.493158937	2.867080688	0.054214362	0.000296518	5.298357487	0.00134329	0.01065425	0.00044488	0.000151166	8.09081E-05	0.113796271	2.00072E-06	7.10168E-05	0.000712968	0.001599558	7.33007E-08
2095 Dec	0.001006881	0.149660558	1.00002E-05	1.492431998	2.864984751	0.054124855	0.000297091	5.296379089	0.001342603	0.010655942	0.000444028	0.000150904	8.08262E-05	0.113717407	2.00072E-06	7.10488E-05	0.000711935	0.001598568	7.3154E-08
2096 Jan	0.001006912	0.149665684	1.00002E-05	1.492477894	2.865113258	0.05412773	0.000297107	5.296584606	0.001342629	0.010656114	0.000444022	0.000150899	8.08256E-05	0.113722272	2.00072E-06	7.10508E-05	0.000711956	0.001598538	7.31471E-08
2096 Feb	0.001006957	0.149677068	1.00002E-05	1.492569327	2.865371227	0.054135196	0.000297107	5.296943665	0.001342691	0.01065628	0.000444047	0.000150903	8.08281E-05	0.113732032	2.00072E-06	7.10522E-05	0.000712024	0.001598535	7.31435E-08
2096 Mar	0.001006981	0.149683252	1.00002E-05	1.492618918	2.865511179	0.054139249	0.000297107	5.297138214	0.001342725	0.010656369	0.000444061	0.000150905	8.08294E-05	0.11373733	2.00072E-06	7.1053E-05	0.000712062	0.001598534	7.31415E-08
2096 Apr	0.001006994	0.149686694	1.00002E-05	1.492646575	2.865589142	0.054141499	0.000297107	5.297246933	0.001342744	0.010656418	0.000444068	0.000150906	8.08301E-05	0.11374028	2.00072E-06	7.10534E-05	0.000712082	0.001598533	7.31404E-08
2096 May	0.001010797	0.150966644	1.00002E-05	1.502250791	2.893115997	0.05501654	0.00029555	5.332181931	0.001349897	0.010669622	0.000452073	0.000152143	8.15989E-05	0.114773043	2.00071E-06	7.11153E-05	0.000721279	0.001602073	7.19968E-08
2096 Jun	0.001001119	0.151841477	1.00001E-05	1.501805186	2.896564722	0.056002486	0.000278132	5.299217224	0.001356548	0.010621713	0.000462055	0.000161425	8.22569E-05	0.114806943	2.00063E-06	7.01094E-05	0.000743263	0.001644809	6.34137E-08
2096 Jul	0.000993347	0.150402591	1.00001E-05	1.488485575	2.860130072	0.055112418	0.000274632	5.24205637	0.001348699	0.010587007	0.000454382	0.000162361	8.14168E-05	0.113407597	2.00061E-06	6.9679E-05	0.000736775	0.001651644	6.20566E-08
2096 Aug	0.000992159	0.149967641	1.00001E-05	1.485950947	2.851978064	0.054846115	0.00027537	5.23346138	0.001346553	0.010575431	0.000451922	0.00016158	8.12405E-05	0.113121249	2.00061E-06	6.9616E-05	0.00073288	0.001648521	6.16919E-08
2096 Sep	0.000990962	0.148681879	1.00001E-05	1.47838223	2.828893423	0.053902961	0.000281132	5.212191582	0.001339337	0.010578979	0.000442886	0.000158632	8.04551E-05	0.112279922	2.0006E-06	6.98456E-05	0.000721052	0.001637204	6.04074E-08
2096 Oct	0.000990926	0.146658212	1.00001E-05	1.465489268	2.791556597	0.052259699	0.000292285	5.1788034448	0.001326779	0.010613063	0.000427199	0.000153501	7.89579E-05	0.110878065	2.00057E-06	7.04804E-05	0.000701658	0.001617508	5.81718E-08
2096 Nov	0.000990918	0.146179512	1.00001E-05	1.462439537	2.78272438	0.051870987	0.000294923	5.17090559	0.001323808	0.010621127	0.000423488	0.000152288	7.86038E-05	0.110546455	2.00057E-06	7.06306E-05	0.00069707	0.001612849	5.7643E-08
2096 Dec	0.000990918	0.146173909	1.00001E-05	1.462403774	2.782621145	0.051866438	0.000294954	5.170812607	0.001323774	0.01062122	0.000423445	0.000152273	7.85996E-05	0.110542573	2.00057E-06	7.06323E-05	0.000697017	0.001612795	5.76368E-08
2097 Jan	0.000990938	0.146177307	1.00001E-05	1.462434173	2.782705784	0.051868357	0.000294964	5.170948505	0.001323791	0.010621329	0.000423442	0.00015227	7.85994E-05	0.110545792	2.00057E-06	7.06336E-05	0.00069703	0.001612775	5.76334E-08
2097 Feb	0.000990966	0.14618443	1.00001E-05	1.462491512	2.782867432	0.051873032	0.000294964	5.171173573	0.00132383	0.010621432	0.000423459	0.000152273	7.8601E-05	0.110551909	2.00057E-06	7.06345E-05	0.000697073	0.001612773	5.76316E-08
2097 Mar	0.000990981	0.146188334	1.00001E-05	1.462522745	2.782955647	0.051875584	0.000294964	5.171296597	0.001323851	0.010621488	0.000423467	0.000152274	7.86018E-05	0.110555254	2.00057E-06	7.0635E-05	0.000697096	0.001612772	5.76307E-08
2097 Apr	0.00099099	0.146190569	1.00001E-05	1.462540627	2.783006191	0.05187704	0.000294964	5.171367168	0.001323863	0.010621521	0.000423472	0.000152275	7.86023E-05	0.110557154	2.00057E-06	7.06353E-05	0.00069711	0.001612771	5.76301E-08
2097 May	0.000994635	0.147390798	1.00001E-05	1.471601009	2.808922291	0.052695815	0.000293594	5.204553604	0.001330562	0.010633883	0.000430962	0.000153368	7.93251E-05	0.111530676	2.00056E-06	7.06967E-05	0.000705591	0.001615755	5.68196E-08
2097 Jun	0.00100282	0.151054814	1.00001E-05	1.497597575	2.884365797	0.055289604	0.000285464	5.292360783	0.001351437	0.010657283	0.000454933	0.000158703	8.15691E-05	0.11434301	2.00052E-06	7.06273E-05	0.000735168	0.001634383	5.28636E-08
2097 Jul	0.000999856	0.150391296	1.00001E-05	1.491226077	2.867096424	0.054841164	0.000284003	5.267015457	0.001347383	0.010639799	0.000451226	0.000158614	8.11622E-05	0.113679558	2.00052E-06	7.04097E-05	0.000730658	0.001634694	5.23059E-08
2097 Aug	0.000998264	0.149801612	1.00001E-05	1.486870408	2.854256868	0.054443859	0.000284293	5.252166271	0.001343969	0.010623319	0.000447801	0.000157584	8.08682E-05	0.113209777	2.00051E-06	7.02754E-05	0.000724909	0.001630327	5.18433E-08
2097 Sep	0.000997479	0.149358615	1.00001E-05	1.484425783	2.846448421	0.054149173	0.000285852	5.244681358	0.001341708	0.010619129	0.000444969	0.00015668	8.06461E-05	0.112932511	2.00051E-06	7.03014E-05	0.000721015	0.001626874	5.15026E-08
2097 Oct	0.000997378	0.148605362	1.00001E-05	1.479603291	2.8324821	0.053541653	0.000289888	5.231963634	0.001337059	0.010631114	0.000439173	0.00015482	8.0093E-05	0.112408221	2.0005E-06	7.05286E-05	0.000713885	0.001619774	5.08018E-08
2097 Nov	0.000997324	0.148210272	1.00001E-05	1.477073669	2.825155973	0.05322298	0.000292005	5.225292206	0.00133462	0.010637402	0.000436133	0.000153845	7.98029E-05	0.112133205	2.0005E-06	7.06478E-05	0.000710145	0.001616049	5.04342E-08
2097 Dec	0.000997316	0.148146719	1.00001E-05	1.476666927	2.823977947	0.053171732	0.000292346	5.224219322	0.001334228	0.010638413	0.000435644	0.000153688	7.97563E-05	0.112088978	2.0005E-06	7.0667E-05	0.000709543	0.00161545	5.03751E-08
2098 Jan	0.00099735	0.148152336	1.00001E-05	1.476717472	2.824118853	0.053174894	0.000292364	5.22444582	0.001334256	0.010638596	0.000435639	0.000153682	7.97557E-05	0.112094328	2.0005E-06	7.06691E-05	0.000709565	0.001615416	5.03701E-08
2098 Feb	0.000997397	0.148164406	1.00001E-05	1.476814389	2.824392319	0.053182796	0.000292364	5.22482729	0.001334322	0.010638771	0.000435666	0.000153686	7.97584E-05	0.112104684	2.0005E-06	7.06706E-05	0.000709638	0.001615412	5.03674E-08
2098 Mar	0.000997423	0.148170978	1.00001E-05	1.476867199	2.824541569	0.05318711	0.000292364	5.225035191	0.001334358	0.010638867	0.00043568	0.000153689	7.97598E-05	0.112110332	2.0005E-06	7.06715E-05	0.000709677	0.001615411	5.0366E-08
2098 Apr	0.000998181	0.14836584	1.00001E-05	1.478433371	2.828959227	0.053314719	0.000292366	5.231192112	0.001335421	0.010641692	0.000436118	0.000153753	7.9802E-05	0.112277508	2.0005E-06	7.06961E-05	0.000710846	0.001615355	5.03237E-08
2098 May	0.001011037	0.152410731	1.00001E-05	1.509328485	2.917089701	0.056056894	0.000288555	5.345796108	0.001357935	0.010686368	0.000458612	0.000157052	8.1974E-05	0.115592726	2.00047E-06	7.09577E-05	0.00073875	0.001623597	4.81462E-08
2098 Jun	0.001024438	0.158023879	1.00001E-05	1.549726605	3.03391552	0.060005616	0.000277346	5.484567165	0.001389841	0.010726921	0.000495352	0.000164651	8.54387E-05	0.119955391	2.00043E-06	7.09368E-05	0.000783071	0.00164944	4.31308E-08
2098 Jul	0.001021049	0.157334194	1.00001E-05	1.543362021	3.016499519	0.059563067	0.000275908	5.458192825	0.001385927	0.010710388	0.000491601	0.000164835	8.50324E-05	0.119287662	2.00042E-06	7.07364E-05	0.000779296	0.001651338	4.27179E-08
2098 Aug	0.001016958	0.155892298	1.00001E-05	1.534639716	2.988884687	0.058673915	0.00027808	5.42808485	0.001378725	0.010673084	0.000483473	0.000162422	8.44298E-05	0.11830949	2.00041E-06	7.05237E-05	0.000766697	0.001641861	4.19547E-08
2098 Sep	0.001013296	0.153442755	1.00001E-05	1.520112872	2.944222212	0.056956057	0.000287234	5.384149075	0.001365476	0.010664936	0.000467174	0.00015744	8.30484E-05	0.116690531	2.0004E-06	7.07874E-05	0.000745185	0.001623079	4.04869E-08
2098 Oct	0.001012514	0.151449189	1.00001E-05	1.507029414	2.906518221	0.055364493	0.000297137	5.348124504	0.001353218	0.010692942	0.000452143	0.00015283	8.16047E-05	0.115272202	2.00039E-06	7.13312E-05	0.0007268	0.001605704	3.91291E-08
2098 Nov	0.001012233	0.150732338	1.00001E-05	1.50232482	2.892960787	0.054792196	0.000300698	5.335170746	0.001348811	0.010703011	0.000446738	0.000151173	8.10855E-05	0.114762202	2.00038E-06	7.15267E-05	0.000720189	0.001599456	3.86408E-08
2098 Dec	0.001012229	0.150721192	1.00001E-05	1.502251625	2.892750025	0.054783292	0.000300753	5.334969044	0.001348742	0.010703168	0.000446654	0.000151147	8.10775E-05	0.114754274	2.00038E-06	7.15297E-05	0.000720086	0.001599359	3.86332E-08
2099 Jan	0.001012252	0.150724873	1.00001E-05	1.502284646	2.892842293	0.054785363	0.000300765	5.335117817	0.001348761	0.01070329	0.00044665	0.000151143	8.1077E-05	0.114757769	2.00038E-06	7.15311E-05	0.000720101	0.001599337	3.86305E-08
2099 Feb	0.001012283	0.150733083	1.00001E-05	1.502350569	2.893028021	0.054790743	0.000300765	5.335376263	0.001348805	0.010703408	0.000446668	0.000151146	8.10788E-05	0.114764802	2.00038E-06	7.15322E-05	0.00072015	0.001599335	3.86292E-08
2099 Mar	0.001012301	0.150737584	1.00001E-05	1.502386689	2.893130064	0.054793693	0.000300765	5.335517883	0.00134883	0.010703473	0.000446678	0.000151148	8.10797E-05	0.114768654	2.00038E-06	7.15327E-05	0.000720177	0.001599334	3.86284E-08
2099 Apr	0.001013629	0.151080579	1.00001E-05	1.505135655	2.900889635	0.05501841	0.000300756	5.346310616	0.001350702	0.010708405	0.00044744	0.000151266	8.11529E-05	0.115062229	2.00038E-06	7.15753E-05	0.000722241	0.00159926	3.85706E-08
2099 May	0.001047349	0.160895407	1.00001E-05	1.581337094	3.117500544	0.061583996	0.00029473	5.63535738	0.00140486	0.010828707	0.000488079	0.000157557	8.50563E-05	0.12322633	2.00035E-06	7.24194E-05	0.000786664	0.001611024	3.54885E-08
2099 Jun	0.001049481	0.162546545	1.00001E-05	1.592116117	3.149441719	0.062800311	0.000288937	5.667604923	0.001414463	0.010831728	0.000500555	0.000161027	8.6195E-05	0.124404103	2.00033E-06	7.22517E-05	0.000801928	0.001624476	3.37889E-08
2099 Jul	0.001046012	0.161758378	1.00001E-05	1.584715009	3.129287958	0.06227025	0.000287433	5.638176441	0.001409723	0.010812319	0.000496348	0.000160912	8.57373E-05	0.123631135	2.00033E-06	7.2016E-05	0.000796688	0.001624886	3.34308E-08
2099 Aug	0.001042891	0.160719633	1.00001E-05	1.578586102	3.109692335	0.061644021	0.000289012	5.61654377	0.001404703	0.010785691	0.000490775	0.000159307	8.53379E-05	0.122939542	2.00033E-06	7.18707E-05	0.000788049	0.001618809	3.30321E-08
2099 Sep	0.001038846	0.158845738	1.00001E-05	1.567568421	3.075241089	0.060410108	0.000294436	5.58061409	0.001395106	0.010764563	0.000479538	0.000156004	8.44404E-05	0.121703543	2.00032E-06	7.19084E-05	0.00077241	0.001606626	3.22488E-08
2099 Oct	0.001037775	0.157424539	1.00001E-05	1.557978511	3.047730446	0.059294336	0.000300749	5.5527668	0.001386447	0.010780682	0.000469444	0.000153023	8.34665E-05	0.120666817	2.00031E-06	7.22392E-05	0.000759799	0.001595632	3.1542E-08
2099 Nov	0.001037214	0.156679109	1.00001E-05	1.552948356	3.033300877	0.058709096	0.000304061	5.538160324	0.001381905	0.010789136	0.00046415	0.00015146	8.29556E-05	0.120123036	2.00031E-06	7.24127E-05	0.000753184	0.001589865	3.11713E-08
2099 Dec	0.001037207	0.156669885	1.00001E-05	1.552886128	3.033122301	0.058701858	0.000304102	5.537979603	0.001381849	0.01078924	0.000464085	0.00015144	8.29493E-05	0.120116308	2.00031E-06	7.24148E-05	0.000753103	0.001589794	3.11667E-08
2100 Jan	0.001037227	0.156673029	1.00001E-05	1.5529145	3.033201933	0.058703583	0.000304113	5.538109303	0.001381865	0.010789352	0.000464079	0.000151437	8.29487E-05	0.120119326	2.00031E-06	7.24161E-05	0.000753114	0.001589773	3.11647E-08
2100 Feb	0.001037257	0.156680778	1.00001E-05	1.552976489	3.033376455	0.058708649	0.000304112	5.538352489	0.001381907	0.010789463	0.000464096	0.00015144	8.29503E-05	0.120125934	2.00031E-06	7.24171E-05	0.000753161	0.001589772	3.11636E-08
2100 Mar	0.001037273	0.156684995	1.00001E-05	1.553010225	3.033472061	0.058711417	0.000304112	5.538484573	0.00138193	0.010789524	0.000464105	0.000151441	8.29512E-05	0.120129548	2.00031E-06	7.24176E-05	0.000753186	0.001589771	3.1163E-08
2100 Apr	0.001037282	0.156687394	1.00001E-05	1.553029537	3.033526421	0.058712989	0.000304112	5.53856039	0.001381943	0.010789558	0.000464111	0.000151442	8.29518E-05	0.120131604	2.00031E-06	7.24179E-05	0.000753201	0.00158977	3.11627E-08
2100 May	0.001046016	0.159758613	1.00001E-05	1.575751066	3.098860741	0.060821488	0.000299737	5.620316505	0.001399105	0.010818728	0.0004843	0.000154666	8.48829E-05	0.122579105	2.00029E-06	7.2524E-05	0.000775647	0.001599425	2.98836E-08
2100 Jun	0.001050988	0.163363725	1.00001E-05	1.59929657	3.168693066	0.063459374	0.000287436	5.691555023	0.001419942	0.010827709	0.000510875	0.000162065	8.72981E-05	0.125152886	2.00027E-06	7.21878E-05	0.000808609	0.001627952	2.69485E-08
2100 Jul	0.001043689	0.161941171	1.00001E-05	1.586248994	3.132938862	0.062564023	0.000284374	5.636527538	0.001412069	0.010794494	0.000503471	0.000162714	8.64931E-05	0.123781562	2.00026E-06	7.17846E-05	0.000801588	0.001633325	2.64588E-08
2100 Aug	0.00103811	0.160040095	1.00001E-05	1.57398653	3.095077276	0.061370011	0.000286591	5.593554497	0.00140226	0.010745978	0.00049302	0.000159757	8.56821E-05	0.12242353	2.00025E-06	7.14761E-05	0.000785147	0.00162181	2.58598E-08
2100 Sep	0.001034259	0.158582494	1.00001E-05	1.565896988	3.068842649	0.060475782	0.000290048	5.566007137	0.001395304	0.010717854	0.000484768	0.00015734	8.50842E-05	0.121501133	2.00025E-06	7.13974E-05	0.00077322	0.001612873	2.54126E-08
2100 Oct	0.001033959	0.158144414	1.00001E-05	1.56294024	3.060371399	0.060129993	0.000292032	5.557487488	0.001392622	0.010723159	0.000481608	0.000156409	8.47784E-05	0.121181637	2.00025E-06	7.15032E-05	0.000769311	0.001609428	2.52402E-08
2100 Nov	0.001033891	0.158045769	1.00001E-05	1.562274575	3.058464289	0.060052145	0.000292479	5.555569172	0.001392019	0.010724355	0.000480897	0.000156199	8.47095E-05	0.121109694	2.00025E-06	7.15271E-05	0.000768431	0.001608652	2.52014E-08
2100 Dec	0.001033887	0.15803954	1.00001E-05	1.562232494	3.058343649	0.060047224	0.000292507	5.555447578	0.001391981	0.01072443	0.000480852	0.000156186	8.47052E-05	0.121105149	2.00025E-06	7.15286E-05	0.000768376	0.001608603	2.5199E-08
2101 Jan	0.001033903	0.158041924	1.00001E-05	1.562254071	3.058404207	0.060048491	0.000292516	5.555547714	0.001391992	0.01072452	0.000480847	0.000156183	8.47046E-05	0.121107444	2.00025E-06	7.15296E-05	0.000768384	0.001608586	2.51976E-08
2101 Feb	0.001033927	0.158047944	1.00001E-05	1.562302351	3.058540344	0.060052421	0.000292516	5.555737972	0.001392025	0.01072461	0.00048086	0.000156185	8.47059E-05	0.1211126	2.00025E-06	7.15304E-05	0.00076842	0.001608584	2.5197E-08
2101 Mar	0.00103394	0.158051237	1.00001E-05	1.562328696	3.058614969	0.06005457	0.000292516	5.555840969	0.001392043	0.010724658	0.000480867	0.000156186	8.47065E-05	0.121115416	2.00025E-06	7.15308E-05	0.00076844	0.001608583	2.51966E-08
2101 Apr	0.001033973	0.158059716	1.00001E-05	1.562396526	3.058806658	0.06006011	0.000292517	5.556108475	0.001392089	0.010724783	0.000480885	0.000156189	8.47083E-05	0.121122673	2.00025E-06	7.15319E-05	0.000768491	0.001608581	2.51956E-08
2101 May	0.001042523	0.160954252	1.00001E-05	1.583864212	3.120584965	0.062030312	0.000288821	5.634081364	0.001408162	0.010755495	0.000499447	0.000159073	8.64778E-05	0.123435527	2.00024E-06	7.16717E-05	0.000789392	0.00161699	2.42112E-08

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.001047072	0.163590446	1E-05	1.601391196	3.172473431	0.063918971	0.000281056	5.689469814	0.001423177	0.010769303	0.000518139	0.000163966	8.81735E-05	0.12534903	2.00022E-06	7.15257E-05	0.000812602	0.001635472	2.25408E-08
2101 Jul	0.001044382	0.163062915	1E-05	1.596557498	3.15923667	0.063585825	0.00027996	5.669103622	0.001420255	0.010757434	0.000515357	0.000164207	8.78705E-05	0.124840997	2.00022E-06	7.13813E-05	0.000810018	0.001637484	2.23896E-08
2101 Aug	0.001043214	0.1626589	1E-05	1.593864083	3.151031733	0.063327476	0.000280395	5.659690857	0.001418118	0.010747421	0.0005131	0.000163581	8.76892E-05	0.124544732	2.00022E-06	7.13152E-05	0.000806491	0.001635033	2.2282E-08
2101 Sep	0.001039512	0.160857424	1E-05	1.583123207	3.117714882	0.062123064	0.000285787	5.624986649	0.001408745	0.010730081	0.000501978	0.000160362	8.67798E-05	0.123344205	2.00021E-06	7.13783E-05	0.000791368	0.001623151	2.17825E-08
2101 Oct	0.00103894	0.160084307	1E-05	1.577883363	3.10270834	0.061514542	0.000289219	5.609780312	0.001404018	0.010738984	0.000496393	0.000158739	8.62388E-05	0.122778222	2.00021E-06	7.1559E-05	0.000784495	0.001617159	2.15306E-08
2101 Nov	0.001038115	0.158971086	1E-05	1.570338607	3.081100702	0.060638335	0.000294159	5.58788538	0.001397212	0.010751804	0.000488351	0.000156402	8.54599E-05	0.12196327	2.00021E-06	7.18191E-05	0.000774599	0.001608532	2.11679E-08
2101 Dec	0.001037964	0.158767194	1E-05	1.568956733	3.077142954	0.060477849	0.000295064	5.583874702	0.001395966	0.010754152	0.000486878	0.000155974	8.53173E-05	0.121814005	2.00021E-06	7.18667E-05	0.000772786	0.001606951	2.11015E-08
2102 Jan	0.001037993	0.15877144	1E-05	1.568995357	3.077250957	0.060480114	0.000295081	5.58405304	0.001395986	0.010754313	0.000486868	0.000155969	8.53162E-05	0.121818095	2.00021E-06	7.18686E-05	0.0007728	0.00160692	2.10995E-08
2102 Feb	0.001038035	0.158782288	1E-05	1.56908226	3.077496529	0.060487207	0.000295081	5.584394932	0.001396045	0.010754473	0.000486891	0.000155972	8.53184E-05	0.121827386	2.00021E-06	7.187E-05	0.000772866	0.001606917	2.10985E-08
2102 Mar	0.001038058	0.158788189	1E-05	1.569129467	3.077630043	0.060491063	0.000295081	5.584580898	0.001396078	0.010754559	0.000486904	0.000155974	8.53196E-05	0.121832423	2.00021E-06	7.18708E-05	0.000772901	0.001606916	2.10979E-08
2102 Apr	0.001038071	0.158791557	1E-05	1.569156408	3.077706337	0.060493268	0.000295081	5.584687233	0.001396096	0.010754609	0.000486911	0.000155975	8.53203E-05	0.121835314	2.00021E-06	7.18712E-05	0.000772921	0.001606915	2.10976E-08
2102 May	0.001038087	0.158796445	1E-05	1.569193244	3.077811718	0.060496569	0.000295076	5.584823132	0.001396123	0.010754663	0.000486937	0.00015598	8.53229E-05	0.12183927	2.00021E-06	7.18715E-05	0.000772955	0.001606926	2.10964E-08
2102 Jun	0.000997434	0.151799351	1E-05	1.504792452	2.901407003	0.056316581	0.000276779	5.299955845	0.001359579	0.010591733	0.000451643	0.00016296	8.142E-05	0.115056403	2.00019E-06	6.98344E-05	0.000748026	0.001653143	1.9107E-08
2102 Jul	0.000977586	0.148204297	1E-05	1.471512079	2.810410738	0.054111026	0.000267877	5.155872345	0.001340193	0.010507368	0.000433191	0.000165717	7.93836E-05	0.111558251	2.00018E-06	6.87831E-05	0.000732961	0.001672475	1.80943E-08
2102 Aug	0.000975447	0.147376269	1E-05	1.466616392	2.794761419	0.053594906	0.000269322	5.139614582	0.001336013	0.010485535	0.000428594	0.000164144	7.90538E-05	0.11100731	2.00018E-06	6.86643E-05	0.000725292	0.001666066	1.78835E-08
2102 Sep	0.000974017	0.146502361	1E-05	1.46195364	2.779650688	0.05301455	0.000272562	5.12579155	0.001331579	0.0104768	0.00042316	0.000162242	7.86417E-05	0.110474885	2.00017E-06	6.87197E-05	0.000717377	0.001658663	1.76476E-08
2102 Oct	0.000974425	0.145160735	1E-05	1.453470945	2.755127907	0.051902585	0.000280482	5.104945183	0.001323106	0.010502947	0.000412832	0.000158607	7.76543E-05	0.109553024	2.00017E-06	6.91868E-05	0.00070408	0.001644515	1.71966E-08
2102 Nov	0.000974454	0.145064905	1E-05	1.452865005	2.753376245	0.051823162	0.000281048	5.103456497	0.001322501	0.010504814	0.000412094	0.000158347	7.75837E-05	0.109487183	2.00017E-06	6.92202E-05	0.00070313	0.001643504	1.71644E-08
2102 Dec	0.000974456	0.145059988	1E-05	1.452833891	2.753286362	0.051819082	0.000281077	5.103379726	0.00132247	0.010504911	0.000412056	0.000158334	7.75801E-05	0.109483801	2.00017E-06	6.92219E-05	0.000703081	0.001643452	1.71627E-08
2103 Jan	0.000974475	0.145063072	1E-05	1.452861547	2.753363609	0.0518208	0.000281087	5.103504658	0.001322485	0.010505013	0.000412054	0.000158331	7.758E-05	0.109486736	2.00017E-06	6.92231E-05	0.000703093	0.001643433	1.71618E-08
2103 Feb	0.0009745	0.14506951	1E-05	1.452913284	2.75350976	0.051824998	0.000281087	5.103708744	0.00132252	0.010505108	0.000412069	0.000158333	7.75814E-05	0.109492257	2.00017E-06	6.92239E-05	0.000703131	0.00164343	1.71613E-08
2103 Mar	0.000974514	0.145073026	1E-05	1.452941418	2.753589392	0.051827285	0.000281088	5.103819847	0.001322539	0.010505161	0.000412077	0.000158334	7.75822E-05	0.109495267	2.00017E-06	6.92244E-05	0.000703152	0.001643429	1.71611E-08
2103 Apr	0.000974522	0.145075008	1E-05	1.452957511	2.753634453	0.051828593	0.000281088	5.103883266	0.00132255	0.010505191	0.000412082	0.000158335	7.75826E-05	0.109496988	2.00017E-06	6.92247E-05	0.000703164	0.001643428	1.71609E-08
2103 May	0.000983428	0.147868782	1E-05	1.474084258	2.814128876	0.053711444	0.000278386	5.182312012	0.001337984	0.010537351	0.000429662	0.000160651	7.92768E-05	0.111768	2.00016E-06	6.94114E-05	0.000722456	0.001649296	1.66063E-08
2103 Jun	0.000996086	0.153119877	1E-05	1.511240005	2.922300339	0.057369523	0.00026774	5.310062885	0.001367464	0.010579537	0.000464606	0.000167849	8.25325E-05	0.115793183	2.00015E-06	6.94142E-05	0.000763927	0.001673882	1.48827E-08
2103 Jul	0.000989598	0.151662141	1E-05	1.497476101	2.884901047	0.05638878	0.000264903	5.255123138	0.001358698	0.010544512	0.000456599	0.000167726	8.16559E-05	0.114356637	2.00014E-06	6.89837E-05	0.000754456	0.001675123	1.45527E-08
2103 Aug	0.000984865	0.149661884	1E-05	1.479912639	2.836090326	0.054895166	0.000264435	5.196509838	0.001345323	0.010491655	0.000444675	0.000164008	8.04789E-05	0.112518162	2.00014E-06	6.84448E-05	0.000732921	0.001658448	1.40839E-08
2103 Sep	0.000984035	0.148348033	1E-05	1.472144127	2.812598705	0.053904861	0.000270861	5.17548275	0.001337783	0.010500821	0.000435363	0.000160864	7.96551E-05	0.111657187	2.00014E-06	6.87415E-05	0.000720672	0.001646364	1.37764E-08
2103 Oct	0.000984245	0.146428511	1E-05	1.460059881	2.777540922	0.052336525	0.000281868	5.144915104	0.001325853	0.010536111	0.000420658	0.000155889	7.82545E-05	0.110341296	2.00013E-06	6.93864E-05	0.000702176	0.001627243	1.32898E-08
2103 Nov	0.000984305	0.145882547	1E-05	1.456622839	2.767569542	0.051890448	0.000284999	5.136220932	0.00132246	0.010546149	0.000416475	0.000154473	7.78561E-05	0.109967023	2.00013E-06	6.95698E-05	0.000696915	0.001621805	1.31514E-08
2103 Dec	0.000984306	0.145875424	1E-05	1.456578016	2.767439604	0.051884633	0.00028504	5.136107445	0.001322415	0.010546279	0.000416421	0.000154455	7.78509E-05	0.109962143	2.00013E-06	6.95722E-05	0.000696847	0.001621734	1.31496E-08
2104 Jan	0.000984329	0.145879239	1E-05	1.456612349	2.767535448	0.051886778	0.000285052	5.136261463	0.001322434	0.010546405	0.000416418	0.000154451	7.78507E-05	0.109965779	2.00013E-06	6.95737E-05	0.000696862	0.001621711	1.31488E-08
2104 Feb	0.000984361	0.145887345	1E-05	1.456677556	2.767719269	0.051892079	0.000285052	5.136518002	0.001322479	0.010546525	0.000416437	0.000154454	7.78525E-05	0.109972738	2.00013E-06	6.95747E-05	0.00069691	0.001621709	1.31483E-08
2104 Mar	0.000984378	0.145891726	1E-05	1.456712723	2.767818451	0.05189494	0.000285053	5.136656284	0.001322503	0.010546589	0.000416447	0.000154455	7.78535E-05	0.109976493	2.00013E-06	6.95753E-05	0.000696937	0.001621707	1.31481E-08
2104 Apr	0.000984388	0.145894155	1E-05	1.456732392	2.767874002	0.051896539	0.000285053	5.136733532	0.001322516	0.010546626	0.000416453	0.000154456	7.7854E-05	0.109978594	2.00013E-06	6.95756E-05	0.000696951	0.001621707	1.31479E-08
2104 May	0.000997054	0.149976358	1E-05	1.487717628	2.85643363	0.054670818	0.000280878	5.250861645	0.001345285	0.010592091	0.000442178	0.000158058	8.03404E-05	0.113305748	2.00012E-06	6.98343E-05	0.000725708	0.001631399	1.2521E-08
2104 Jun	0.001006353	0.154001713	1E-05	1.516477585	2.939822674	0.057507601	0.000272556	5.348753929	0.001368214	0.010622651	0.000468956	0.00016382	8.28507E-05	0.116414234	2.00011E-06	6.98265E-05	0.000758214	0.001651542	1.15182E-08
2104 Jul	0.001002077	0.153043285	1E-05	1.507449627	2.915262222	0.05686456	0.000270677	5.31270647	0.001362464	0.010599205	0.000463676	0.000163733	8.22749E-05	0.115471564	2.00011E-06	6.954E-05	0.000751967	0.001652314	1.13518E-08
2104 Aug	0.000999356	0.152034879	1E-05	1.500876904	2.895036936	0.056217346	0.000271927	5.290374756	0.001357106	0.010572937	0.000457965	0.000161965	8.18277E-05	0.114745975	2.00011E-06	6.93705E-05	0.000742675	0.001645121	1.11955E-08
2104 Sep	0.000996212	0.150376782	1E-05	1.49183619	2.865932465	0.05513145	0.000277555	5.262345314	0.001348785	0.010554651	0.000447683	0.000158657	8.10392E-05	0.113716803	2.00011E-06	6.94449E-05	0.000728258	0.001632536	1.09346E-08
2104 Oct	0.000996044	0.148848563	1E-05	1.48202765	2.837579727	0.053894494	0.000285821	5.236529827	0.00133933	0.010580276	0.000436063	0.000154898	7.99268E-05	0.11265102	2.0001E-06	6.99208E-05	0.000713857	0.001618236	1.06382E-08
2104 Nov	0.000995995	0.148407459	1E-05	1.479196668	2.829396486	0.053537473	0.000288207	5.229078293	0.001336601	0.010587673	0.000432709	0.000153813	7.96057E-05	0.112343408	2.0001E-06	7.00581E-05	0.0007097	0.001614109	1.05527E-08
2104 Dec	0.000995995	0.148401991	1E-05	1.479161501	2.82929492	0.053533047	0.000288237	5.228986263	0.001336567	0.010587764	0.000432667	0.0001538	7.96017E-05	0.112339586	2.0001E-06	7.00598E-05	0.000709649	0.001614057	1.05516E-08
2105 Jan	0.000996014	0.14840503	1E-05	1.479188919	2.829371214	0.053534742	0.000288247	5.22910881	0.001336582	0.010587867	0.000432664	0.000153797	7.96014E-05	0.112342484	2.0001E-06	7.0061E-05	0.000709661	0.001614039	1.0551E-08
2105 Feb	0.000996039	0.148411632	1E-05	1.479241967	2.829521179	0.053539068	0.000288247	5.229318142	0.001336619	0.010587965	0.000432679	0.000153799	7.96028E-05	0.112348154	2.0001E-06	7.00619E-05	0.000709701	0.001614037	1.05507E-08
2105 Mar	0.000996054	0.148415253	1E-05	1.479270935	2.829602957	0.053541426	0.000288247	5.229432106	0.001336638	0.010588018	0.000432687	0.0001538	7.96036E-05	0.112351246	2.0001E-06	7.00623E-05	0.000709722	0.001614036	1.05505E-08
2105 Apr	0.000996062	0.148417294	1E-05	1.479287505	2.829649448	0.053542767	0.000288247	5.229496956	0.001336649	0.010588048	0.000432692	0.000153801	7.96041E-05	0.112353012	2.0001E-06	7.00626E-05	0.000709735	0.001614035	1.05505E-08
2105 May	0.001005652	0.151554957	1E-05	1.502974749	2.897452354	0.055677716	0.000284821	5.31637907	0.001354148	0.01062249	0.000452452	0.000156678	8.1507E-05	0.114898324	2.0001E-06	7.02491E-05	0.000732025	0.001622001	1.01521E-08
2105 Jun	0.001013618	0.154673547	1E-05	1.525619984	2.962877989	0.057848573	0.000279341	5.395479202	0.001371765	0.010649774	0.000472757	0.000160626	8.34233E-05	0.117342003	2.00009E-06	7.03053E-05	0.000756218	0.001635126	9.60546E-09
2105 Jul	0.001010847	0.153887868	1E-05	1.517962337	2.942236662	0.057276424	0.000278025	5.367143154	0.00136655	0.010629419	0.000468201	0.000159957	8.29245E-05	0.116549104	2.00009E-06	7.00547E-05	0.000749378	0.001632519	9.48694E-09
2105 Aug	0.001004975	0.151764899	1E-05	1.503424048	2.898295879	0.055893734	0.000280025	5.3172369	0.00135496	0.010573713	0.000456115	0.000156387	8.19397E-05	0.114958771	2.00009E-06	6.9661E-05	0.000729801	0.001617964	9.21021E-09
2105 Sep	0.001000308	0.149185941	1E-05	1.488969684	2.852477789	0.054171313	0.000289018	5.272474766	0.001341754	0.01055213	0.000439777	0.000151313	8.06409E-05	0.113324538	2.00009E-06	6.98335E-05	0.000707586	0.001598879	8.86752E-09
2105 Oct	0.001000038	0.147738293	1E-05	1.479553223	2.825393677	0.052999485	0.000296717	5.247226715	0.001332788	0.010576994	0.000428739	0.000147868	7.95748E-05	0.112303466	2.00009E-06	7.02838E-05	0.000694192	0.001585923	8.63491E-09
2105 Nov	0.000999928	0.147151724	1E-05	1.475737572	2.81441927	0.052524671	0.000299836	5.236996651	0.001329156	0.010587068	0.000424266	0.000146472	7.91428E-05	0.111889735	2.00008E-06	7.04663E-05	0.000688765	0.001580674	8.54066E-09
2105 Dec	0.000999927	0.147144303	1E-05	1.475689292	2.814280272	0.052518658	0.000299876	5.236867428	0.00132911	0.010587197	0.00042421	0.000146455	7.91373E-05	0.111884497	2.00008E-06	7.04686E-05	0.000688696	0.001580607	8.53946E-09
2106 Jan	0.00099995	0.147148103	1E-05	1.475723147	2.814375401	0.052520812	0.000299887	5.237017632	0.001329129	0.010587323	0.000424207	0.000146452	7.9137E-05	0.111888088	2.00008E-06	7.047E-05	0.000688712	0.001580586	8.53889E-09
2106 Feb	0.000999981	0.147156268	1E-05	1.475788593	2.814559937	0.052526161	0.000299887	5.23727417	0.001329174	0.010587443	0.000424225	0.000146455	7.91388E-05	0.111895069	2.00008E-06	7.04711E-05	0.000688762	0.001580585	8.53858E-09
2106 Mar	0.000999998	0.147160724	1E-05	1.475824118	2.814660788	0.052529078	0.000299887	5.237413883	0.001329198	0.010587508	0.000424236	0.000146456	7.91398E-05	0.111898869	2.00008E-06	7.04716E-05	0.000688789	0.001580585	8.53842E-09
2106 Apr	0.001000008	0.147163257	1E-05	1.475844502	2.814718008	0.052530736	0.000299887	5.237493515	0.001329212	0.010587545	0.000424241	0.000146457	7.91403E-05	0.111901045	2.00008E-06	7.0472E-05	0.000688804	0.001580584	8.53833E-09
2106 May	0.001003404	0.148308709	1E-05	1.484410524	2.839306116	0.053312276	0.000298497	5.268633842	0.001335606	0.010599941	0.00043146	0.000147591	7.98308E-05	0.112822607	2.00008E-06	7.05335E-05	0.000697104	0.001583902	8.42241E-09
2106 Jun	0.001003753	0.151147231	1E-05	1.500906587	2.889953613	0.055495013	0.000284373	5.307992458	0.001352565	0.010596311	0.00045258	0.000156058	8.16407E-05	0.114653304	2.00007E-06	7.00314E-05	0.000728292	0.001619242	7.55712E-09
2106 Jul	0.000995052	0.149435684	1E-05	1.484712839	2.845924139	0.054396324	0.000280262	5.240366936	0.001342772	0.010554316	0.000443397	0.000156747	8.06242E-05	0.112959497	2.00007E-06	6.95044E-05	0.000719258	0.00162502	7.35831E-09
2106 Aug	0.000989519	0.147362098	1E-05	1.469397426	2.800820589	0.052993707	0.000281429	5.18829155	0.001330745	0.010498226	0.000431425	0.00015313	7.95932E-05	0.1113078	2.00007E-06	6.90548E-05	0.000699116	0.001609751	7.12625E-09
2106 Sep	0.000984582	0.144970834	1E-05	1.456807017	2.759519815	0.051471319	0.000289274	5.148675919	0.001319134	0.010465837	0.000416857	0.000148457	7.85185E-05	0.10986124	2.00007E-06	6.91151E-05	0.000678606	0.001592031	6.87608E-09
2106 Oct	0.000984657	0.144271538	1E-05	1.452323437	2.746629953	0.05089549	0.000293297	5.137169838	0.001314756	0.010480026	0.000411398	0.000146694	7.79901E-05	0.109374732	2.00007E-06	6.93604E-05	0.000671999	0.001585349	6.78174E-09
2106 Nov	0.000984658	0.1442561	1E-05	1.452224493	2.74634552	0.050882779	0.000293386	5.136915684	0.001314659	0.010480339	0.000411278	0.000146655	7.79784E-05	0.109363988	2.00007E-06	6.93659E-05	0.000671853	0.001585202	6.77966E-09
2106 Dec	0.000984658	0.144252479	1E-05	1.452201128	2.746278763	0.050879795	0.000293406	5.136856079	0.001314636	0.010480412	0.00041125	0.000146646	7.79757E-05	0.10936147	2.00007E-06	6.93671E-05	0.000671819	0.001585167	6.77917E-09
2107 Jan	0.000984672	0.144254804	1E-05	1.452221751	2.74633646	0.05088111	0.000293413	5.136947632	0.001314648	0.010480491	0.000411248	0.000146644	7.79755E-05	0.10936366	2.00007E-06	6.9368E-05	0.000671829	0.001585155	6.7789E-09
2107 Feb	0.000984691	0.144259632	1E-05	1.452260375	2.746445656	0.050884262	0.000293414	5.137098789	0.001314674	0.010480562	0.000411259	0.000146646	7.79766E-05	0.10936778	2.00007E-06	6.93686E-05	0.000671858	0.001585154	6.77877E-09
2107 Mar	0.000984701	0.144262254	1E-05	1.452281475	2.746505022	0.050885983	0.000293414	5.137181759	0.001314689	0.010480601	0.000411265	0.000146647	7.79772E-05	0.109370023	2.00007E-06	6.9369E-05	0.000671874	0.001585154	6.77869E-09
2107 Apr	0.000984707	0.144263744	1E-05	1.452293515	2.746538877	0.050886959	0.000293414	5.137228966	0.001314697	0.010480624	0.000411269	0.000146648	7.79775E-05	0.109371305	2.00007E-06	6.93692E-05	0.000671883	0.001585154	6.77865E-09
2107 May	0.000990308	0.146105409	1E-05	1.466104627	2.786195517	0.052136466	0.000291389	5.187744617	0.001324942	0.010502146	0.000422767	0.000148407	7.90756E-05	0.110857099	2.00007E-06	6.94881E-05	0.000685142	0.001590216	6.63557E-09
2107 Jun	0.001000104	0.150149643	1E-05	1.494921207	2.870033741	0.054953951	0.000283653	5.286726475	0.00134777	0.010539755	0.000448964	0.000154061	8.1507E-05	0.113975413	2.00006E-06	6.95546E-05	0.000717659	0.001609956	6.17572E-09
2107 Jul	0.000996145	0.149099961	1E-05	1.484516144	2.842119217	0.054195169	0.000281607	5.247512341	0.001340835	0.010512709	0.000442896	0.000153389	8.08306E-05	0.112899676	2.00006E-06	6.92112E-05	0.000708996	0.001607587	6.06724E-09
2107 Aug	0.000994517	0.148487255	1E-05	1.479647517	2.828138828	0.053766675	0.000281715	5.230902195	0.001337096	0.010496338	0.000439304	0.000152347	8.05019E-05	0.112381198	2.00006E-06	6.90653E-05	0.000702928	0.001603125	6.00847E-09
2107 Sep	0.000993945	0.147727653	1E-05	1.475047827	2.814366341	0.053193673	0.000285329	5.218061447	0.001332729	0.010502334	0.00043385	0.000150632	8.00099E-05	0.111873507	2.00006E-06	6.92385E-05	0.000696075	0.001596672	5.93064E-09
2107 Oct	0.00099388	0.146843225	1E-05	1.469367862	2.797997475	0.052474417	0.000290221	5.203113556	0.001327252	0.010518758	0.000427021	0.000148482	7.93513E-05	0.111256644	2.00006E-06	6.95309E-05	0.000687859	0.001588578	5.83301E-09
2107 Nov	0.000993853	0.14647387	1E-05	1.466995835	2.791161776	0.052174047	0.000292263	5.196871281	0.001324964	0.010525616	0.000424169	0.000147584	7.90763E-05	0.110999033	2.00006E-06	6.9653E-05	0.000684429	0.001585198	5.79224E-09
2107 Dec	0.000993852	0.146468654	1E-05	1.466962218	2.791064978	0.052169792	0.000292292	5.196782589	0.001324932	0.010525712	0.000424129	0.000147571	7.90724E-05	0.11099539	2.00006E-06	6.96547E-05	0.00068438	0.00158515	5.79166E-09
2108 Jan	0.000993871	0.146471798	1E-05	1.466990352	2.791143656	0.052171566	0.000292302	5.19690752	0.001324948	0.01052582	0.000424126	0.000147568	7.90721E-05	0.110998362	2.00006E-06	6.96559E-05	0.000684393	0.001585133	5.79134E-09
2108 Feb	0.000993897	0.146478504	1E-05	1.467044115	2.791295528	0.052175954	0.000292302	5.197118759	0.001324984	0.010525919	0.000424141	0.000147571	7.90736E-05	0.111004107	2.00006E-06	6.96568E-05	0.000684434	0.001585132	5.79118E-09
2108 Mar	0.000993911	0.14648214	1E-05	1.467073321	2.79137826	0.052178342	0.000292302	5.197234154	0.001325004	0.010525974	0.00042415	0.000147572	7.90744E-05	0.111007236	2.00006E-06	6.96573E-05	0.000684456	0.001585132	5.79109E-09
2108 Apr	0.000993974	0.146498352	1E-05	1.467203379	2.791745424	0.052188948	0.000292303	5.19774437	0.001325093	0.010526215	0.000424187	0.000147578	7.90779E-05	0.111021116	2.00006E-06	6.96594E-05	0.000684554	0.001585129	5.79068E-09

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.000994979	0.146786332	1E-05	1.469448328	2.798127413	0.052380852	0.00029216	5.206287384	0.001326682	0.010530056	0.000425358	0.000147759	7.91901E-05	0.111261547	2.00006E-06	6.96881E-05	0.000686453	0.001585471	5.77793E-09
2108 Jun	0.000980954	0.145653889	1E-05	1.454824209	2.760494947	0.051934481	0.000279645	5.125708103	0.001321908	0.010475257	0.000422329	0.000154201	7.8619E-05	0.109760553	2.00005E-06	6.87965E-05	0.000692663	0.001618617	5.32536E-09
2108 Jul	0.000975103	0.144631878	1E-05	1.445224047	2.734335899	0.051312804	0.000276844	5.083700657	0.001316419	0.010450705	0.000417023	0.000155143	7.80262E-05	0.108752884	2.00005E-06	6.84836E-05	0.000688686	0.001624879	5.23673E-09
2108 Aug	0.000973987	0.144213483	1E-05	1.44270885	2.726339817	0.051052365	0.000277505	5.075253963	0.0013143	0.010439413	0.000414668	0.000154371	7.78545E-05	0.108470656	2.00005E-06	6.84188E-05	0.000684836	0.00162174	5.20386E-09
2108 Sep	0.000973253	0.14361532	1E-05	1.439444304	2.71599102	0.050635587	0.000280078	5.065977573	0.001311142	0.010437872	0.000410675	0.00015302	7.7531E-05	0.108101003	2.00005E-06	6.85027E-05	0.000679413	0.001616546	5.15157E-09
2108 Oct	0.000973813	0.14195691	1E-05	1.42910099	2.686042309	0.04926062	0.000290187	5.040709019	0.001300741	0.010473374	0.000397583	0.000148574	7.62765E-05	0.106974542	2.00005E-06	6.91209E-05	0.000663288	0.001599448	4.97937E-09
2108 Nov	0.000973925	0.141623437	1E-05	1.427021146	2.680019855	0.048984129	0.00029222	5.035627842	0.00129865	0.010480513	0.00039495	0.00014768	7.60242E-05	0.106748022	2.00005E-06	6.92453E-05	0.000660045	0.00159601	4.94475E-09
2108 Dec	0.000973927	0.141618669	1E-05	1.426991343	2.679934025	0.048980184	0.000292249	5.035554886	0.00129862	0.010480615	0.000394913	0.000147667	7.60206E-05	0.106744789	2.00005E-06	6.9247E-05	0.000659999	0.00159596	4.94425E-09
2109 Jan	0.000973947	0.141622081	1E-05	1.427021623	2.680018425	0.048982129	0.000292259	5.035688877	0.001298638	0.010480724	0.000394912	0.000147664	7.60205E-05	0.106748	2.00005E-06	6.92483E-05	0.000660014	0.001595943	4.94398E-09
2109 Feb	0.000973974	0.141628891	1E-05	1.42707634	2.68017292	0.048986584	0.000292259	5.035903931	0.001298675	0.010480825	0.000394928	0.000147667	7.60221E-05	0.106753834	2.00005E-06	6.92492E-05	0.000660055	0.001595941	4.94384E-09
2109 Mar	0.000973988	0.141632587	1E-05	1.427106023	2.680256844	0.048989013	0.000292259	5.036020756	0.001298695	0.01048088	0.000394937	0.000147668	7.60229E-05	0.106757008	2.00005E-06	6.92497E-05	0.000660077	0.001595941	4.94376E-09
2109 Apr	0.000974002	0.141636208	1E-05	1.427134991	2.680338621	0.048991371	0.000292259	5.036134243	0.001298715	0.010480932	0.000394945	0.000147669	7.60237E-05	0.1067601	2.00005E-06	6.92501E-05	0.000660099	0.00159594	4.94369E-09
2109 May	0.000982862	0.144517288	1E-05	1.448922038	2.742699385	0.050949402	0.000289235	5.116140366	0.001314785	0.010513651	0.00041288	0.000150301	7.77491E-05	0.109100811	2.00005E-06	6.94354E-05	0.0006806	0.001603246	4.78566E-09
2109 Jun	0.000994235	0.148723841	1E-05	1.479839325	2.831803799	0.053856738	0.000282773	5.225709438	0.001338476	0.010554846	0.000439741	0.00015524	8.02936E-05	0.112432674	2.00004E-06	6.95809E-05	0.000712607	0.001619181	4.48908E-09
2109 Jul	0.000990028	0.147549644	1E-05	1.46815598	2.8004601	0.052996643	0.000280522	5.182389259	0.001330577	0.010523262	0.000432911	0.000154273	7.95361E-05	0.111226127	2.00004E-06	6.91831E-05	0.000702293	0.00161535	4.39789E-09
2109 Aug	0.000987096	0.146378651	1E-05	1.457191467	2.770512342	0.052105319	0.000279529	5.145291805	0.001322445	0.010490352	0.000425845	0.000152213	7.88063E-05	0.110088475	2.00004E-06	6.88153E-05	0.000689531	0.001605938	4.30662E-09
2109 Sep	0.00098602	0.145203546	1E-05	1.450437427	2.749767542	0.05124703	0.000285015	5.126432419	0.001315942	0.010495239	0.000417619	0.000149546	7.80958E-05	0.109334096	2.00004E-06	6.90516E-05	0.000678937	0.001595835	4.21976E-09
2109 Oct	0.000986181	0.143125564	1E-05	1.437433124	2.712034941	0.049552813	0.000297088	5.093299389	0.00130312	0.010536015	0.000401442	0.000144289	7.65498E-05	0.10791637	2.00004E-06	6.978E-05	0.000659379	0.001575915	4.04851E-09
2109 Nov	0.000986198	0.142910317	1E-05	1.436086178	2.708126545	0.049377322	0.000298339	5.089867592	0.001301792	0.010540239	0.000399766	0.000143744	7.63896E-05	0.107769519	2.00004E-06	6.98554E-05	0.000657353	0.001573852	4.03077E-09
2109 Dec	0.000986199	0.142905891	1E-05	1.436058402	2.708046198	0.049373716	0.000298364	5.089796543	0.001301764	0.010540326	0.000399732	0.000143733	7.63863E-05	0.107766502	2.00004E-06	6.9857E-05	0.000657311	0.00157381	4.0304E-09
2110 Jan	0.000986216	0.142908916	1E-05	1.436085343	2.708121538	0.04937546	0.000298373	5.089915276	0.00130178	0.010540421	0.00039973	0.000143731	7.63862E-05	0.107769355	2.00004E-06	6.98581E-05	0.000657324	0.001573795	4.0302E-09
2110 Feb	0.00098624	0.14291501	1E-05	1.436134458	2.708259821	0.049379468	0.000298373	5.090107441	0.001301813	0.010540511	0.000399745	0.000143733	7.63876E-05	0.107774593	2.00004E-06	6.98589E-05	0.000657362	0.001573794	4.0301E-09
2110 Mar	0.000986253	0.142918363	1E-05	1.43616128	2.7083354	0.049381662	0.000298373	5.090212345	0.001301831	0.010540559	0.000399753	0.000143734	7.63884E-05	0.107777454	2.00004E-06	6.98593E-05	0.000657382	0.001573794	4.03004E-09
2110 Apr	0.00098626	0.142920271	1E-05	1.436176419	2.708378553	0.04938291	0.000298373	5.090272427	0.001301842	0.010540587	0.000399757	0.000143735	7.63888E-05	0.107779078	2.00004E-06	6.98595E-05	0.000657393	0.001573793	4.03001E-09
2110 May	0.000988956	0.14382562	1E-05	1.443027973	2.727968454	0.050003208	0.000297343	5.115210533	0.001306933	0.010550395	0.00040544	0.000144616	7.69365E-05	0.108514704	2.00004E-06	6.99121E-05	0.000663961	0.001576359	3.98884E-09
2110 Jun	0.000997713	0.148698613	1E-05	1.476867676	2.8267138	0.053530842	0.000284416	5.223693371	0.001335311	0.010578502	0.000438255	0.000153364	7.99655E-05	0.112180851	2.00004E-06	6.97416E-05	0.000706986	0.001609443	3.58018E-09
2110 Jul	0.000991575	0.147439688	1E-05	1.464858413	2.79410553	0.052707404	0.000281412	5.174418926	0.001327918	0.010546229	0.00043141	0.000153628	7.92097E-05	0.110927142	2.00003E-06	6.93379E-05	0.000699611	0.001612344	3.50698E-09
2110 Aug	0.000981517	0.143705145	1E-05	1.437400103	2.713028908	0.050193638	0.000283389	5.080974102	0.001306348	0.010442452	0.000409856	0.000147092	7.73666E-05	0.107962884	2.00003E-06	6.85042E-05	0.00066325	0.001584673	3.30092E-09
2110 Sep	0.000978783	0.141190261	1E-05	1.423432231	2.669373989	0.048403502	0.000294859	5.041496277	0.001292851	0.010446673	0.000392578	0.000141493	7.59179E-05	0.10638947	2.00003E-06	6.89618E-05	0.000640899	0.001563539	3.15548E-09
2110 Oct	0.000979273	0.139132127	1E-05	1.410634756	2.632329941	0.046706785	0.000307404	5.009593487	0.001280078	0.010492613	0.000376285	0.000136194	7.43514E-05	0.104994297	2.00003E-06	6.97485E-05	0.000621539	0.00154354	3.01786E-09
2110 Nov	0.000979376	0.138696805	1E-05	1.407927871	2.624494553	0.046347909	0.000310057	5.002845764	0.001277377	0.01050233	0.000372839	0.000135073	7.40201E-05	0.104699202	2.00003E-06	6.99149E-05	0.000617444	0.00153931	2.98875E-09
2110 Dec	0.000979378	0.138690293	1E-05	1.40788722	2.624377251	0.046342529	0.000310097	5.002744675	0.001277336	0.010502475	0.000372787	0.000135056	7.40151E-05	0.104694784	2.00003E-06	6.99174E-05	0.000617383	0.001539247	2.98832E-09
2111 Jan	0.000979401	0.138694569	1E-05	1.407924771	2.624482155	0.046345033	0.000310108	5.002906799	0.001277359	0.010502605	0.000372788	0.000135054	7.40151E-05	0.104698755	2.00003E-06	6.99189E-05	0.000617403	0.001539229	2.98812E-09
2111 Feb	0.000979433	0.13870278	1E-05	1.407990456	2.624667645	0.046350431	0.000310107	5.003163815	0.001277403	0.010502724	0.000372807	0.000135057	7.4017E-05	0.104705773	2.00003E-06	6.99199E-05	0.000617454	0.00153923	2.98802E-09
2111 Mar	0.00097945	0.138707265	1E-05	1.408026457	2.624769449	0.046353389	0.000310107	5.003304005	0.001277428	0.010502788	0.000372818	0.000135059	7.40181E-05	0.104709618	2.00003E-06	6.99204E-05	0.000617481	0.00153923	2.98796E-09
2111 Apr	0.000979459	0.138709828	1E-05	1.408046961	2.624827147	0.046355072	0.000310107	5.003384113	0.001277442	0.010502825	0.000372824	0.00013506	7.40187E-05	0.104711808	2.00003E-06	6.99208E-05	0.000617497	0.00153923	2.98793E-09
2111 May	0.00098529	0.14070937	1E-05	1.423098207	2.667929888	0.047728147	0.000307681	5.057833672	0.001288703	0.010524317	0.000385388	0.000137105	7.52247E-05	0.106328838	2.00003E-06	7.00303E-05	0.000632203	0.001545386	2.92356E-09
2111 Jun	0.000999702	0.146767005	1E-05	1.466962934	2.794704914	0.051993582	0.000296171	5.208158016	0.00132336	0.010575878	0.00042467	0.000145579	7.89182E-05	0.111060463	2.00003E-06	7.01092E-05	0.000681136	0.001575008	2.65689E-09
2111 Jul	0.000996371	0.1461429	1E-05	1.460971951	2.778453112	0.051598288	0.000294453	5.182798862	0.001319813	0.010559626	0.000421358	0.000145932	7.85478E-05	0.110434517	2.00003E-06	6.99018E-05	0.00067802	0.001577592	2.62949E-09
2111 Aug	0.000989511	0.143738985	1E-05	1.444014311	2.727587223	0.050028887	0.000295919	5.12421608	0.001306487	0.010491332	0.000407697	0.00014193	7.74212E-05	0.108588494	2.00003E-06	6.93775E-05	0.000655488	0.001561005	2.53054E-09
2111 Sep	0.000985279	0.14203988	1E-05	1.435510159	2.698796272	0.04900986	0.000300818	5.096141815	0.001298752	0.010458907	0.000397809	0.000138853	7.67469E-05	0.107596353	2.00002E-06	6.93342E-05	0.000641447	0.001549496	2.46667E-09
2111 Oct	0.000985406	0.140743271	1E-05	1.427264452	2.675077677	0.04794348	0.00030842	5.074923992	0.001290689	0.010487007	0.000387585	0.000135645	7.57551E-05	0.106700376	2.00002E-06	6.9811E-05	0.000629451	0.001537499	2.4001E-09
2111 Nov	0.000985492	0.139866605	1E-05	1.421689153	2.659040451	0.047222473	0.000313561	5.060577393	0.001285237	0.010506005	0.000380672	0.000133476	7.50845E-05	0.106094576	2.00002E-06	7.01333E-05	0.00062134	0.001529387	2.35508E-09
2111 Dec	0.000985495	0.139840111	1E-05	1.42152071	2.658555746	0.047200684	0.000313716	5.060143948	0.001285072	0.01050658	0.000380464	0.00013341	7.50642E-05	0.10607627	2.00002E-06	7.01431E-05	0.000621095	0.001529142	2.35372E-09
2112 Jan	0.000985522	0.139845058	1E-05	1.421563625	2.658676624	0.047203563	0.000313728	5.060330391	0.001285097	0.010506731	0.000380463	0.000133408	7.50642E-05	0.106080845	2.00002E-06	7.01448E-05	0.000621119	0.001529123	2.35354E-09
2112 Feb	0.000985559	0.139854729	1E-05	1.421641111	2.658895254	0.04720993	0.000313727	5.060632229	0.00128515	0.010506871	0.000380487	0.000133412	7.50664E-05	0.106089108	2.00002E-06	7.0146E-05	0.000621179	0.001529124	2.35344E-09
2112 Mar	0.000985579	0.139859989	1E-05	1.421682954	2.659013987	0.047213383	0.000313727	5.060796261	0.001285179	0.010506948	0.000380499	0.000133414	7.50676E-05	0.106093593	2.00002E-06	7.01466E-05	0.000621211	0.001529124	2.35339E-09
2112 Apr	0.00098559	0.139862925	1E-05	1.421706438	2.659080029	0.047215309	0.000313727	5.060887337	0.001285195	0.01050699	0.000380506	0.000133415	7.50683E-05	0.106096096	2.00002E-06	7.0147E-05	0.000621229	0.001529124	2.35336E-09
2112 May	0.000994202	0.142847031	1E-05	1.444006801	2.723100424	0.049262274	0.000309943	5.141296864	0.001301959	0.010539331	0.000399243	0.00013656	7.68568E-05	0.108494639	2.00002E-06	7.03051E-05	0.000643332	0.001538756	2.27674E-09
2112 Jun	0.001005593	0.149079084	1E-05	1.486895561	2.848789692	0.053743739	0.000293534	5.278905869	0.001337989	0.010580359	0.000440765	0.000147785	8.06526E-05	0.113149874	2.00002E-06	7.01253E-05	0.000698418	0.001581326	2.00323E-09
2112 Jul	0.000995934	0.147335187	1E-05	1.47037828	2.803863049	0.052662905	0.000288794	5.207726955	0.001328384	0.010537224	0.000431559	0.000149106	7.96249E-05	0.111419462	2.00002E-06	6.9576E-05	0.000690776	0.001590434	1.94855E-09
2112 Aug	0.00099389	0.146630511	1E-05	1.466400146	2.790886641	0.052242491	0.000289991	5.193964005	0.001325032	0.010518202	0.000427644	0.000147916	7.93528E-05	0.110966392	2.00002E-06	6.94766E-05	0.000684721	0.001585798	1.92945E-09
2112 Sep	0.000991764	0.145628497	1E-05	1.461095214	2.773523092	0.051606163	0.000293221	5.177099705	0.001320179	0.010504665	0.000421505	0.000146006	7.88968E-05	0.110357434	2.00002E-06	6.95004E-05	0.000676235	0.001578619	1.90064E-09
2112 Oct	0.000991744	0.145028219	1E-05	1.457245708	2.762436867	0.051116604	0.000296585	5.167017937	0.001316456	0.010516237	0.000416825	0.000144541	7.84446E-05	0.109939367	2.00002E-06	6.97039E-05	0.000670663	0.001573113	1.87854E-09
2112 Nov	0.00099174	0.144910201	1E-05	1.456488729	2.760256767	0.051020347	0.000297246	5.165035725	0.001315724	0.010518513	0.000415905	0.000144253	7.83557E-05	0.109857157	2.00002E-06	6.97439E-05	0.000669568	0.00157203	1.8742E-09
2112 Dec	0.000991739	0.14490582	1E-05	1.456460714	2.76017642	0.051016781	0.000297271	5.164962769	0.001315697	0.010518597	0.000415871	0.000144243	7.83524E-05	0.109854117	2.00002E-06	6.97454E-05	0.000669527	0.00157199	1.87403E-09
2113 Jan	0.000991756	0.144908577	1E-05	1.456485152	2.760244846	0.05101835	0.000297279	5.165070534	0.001315711	0.010518688	0.000415869	0.000144241	7.83522E-05	0.10985671	2.00002E-06	6.97464E-05	0.000669539	0.001571976	1.87395E-09
2113 Feb	0.000991778	0.144914314	1E-05	1.456531167	2.760374784	0.051022112	0.000297279	5.165251255	0.001315742	0.010518773	0.000415882	0.000144243	7.83534E-05	0.109861627	2.00002E-06	6.97472E-05	0.000669574	0.001571975	1.8739E-09
2113 Mar	0.00099179	0.144917443	1E-05	1.456556201	2.760445356	0.051024158	0.000297279	5.165349483	0.001315759	0.010518819	0.000415889	0.000144244	7.83541E-05	0.109864302	2.00002E-06	6.97476E-05	0.000669593	0.001571975	1.87388E-09
2113 Apr	0.000991797	0.144919232	1E-05	1.456570506	2.760485888	0.051025327	0.000297279	5.16540575	0.001315769	0.010518845	0.000415893	0.000144244	7.83545E-05	0.109865822	2.00002E-06	6.97478E-05	0.000669604	0.001571975	1.87386E-09
2113 May	0.000998128	0.147041872	1E-05	1.472504735	2.806197643	0.05247299	0.000294833	5.223379135	0.00132764	0.010542901	0.000429132	0.000146346	7.96205E-05	0.11157915	2.00002E-06	6.98766E-05	0.000685058	0.001578176	1.82793E-09
2113 Jun	0.001008628	0.151531056	1E-05	1.504547834	2.899288893	0.055623282	0.000285915	5.332540512	0.001353173	0.010582384	0.000458167	0.000152843	8.23203E-05	0.115043908	2.00002E-06	6.9926E-05	0.000721665	0.001601178	1.68597E-09
2113 Jul	0.001004927	0.150569096	1E-05	1.495082617	2.873837233	0.054934338	0.00028404	5.296656609	0.00134689	0.010557515	0.000452593	0.000152277	8.17023E-05	0.114063993	2.00002E-06	6.96129E-05	0.00071389	0.001599286	1.65947E-09
2113 Aug	0.001002641	0.149736047	1E-05	1.488604188	2.855097294	0.054360874	0.000284241	5.27437973	0.001341917	0.010535226	0.000447712	0.000150906	8.12625E-05	0.11337132	2.00002E-06	6.94198E-05	0.000705835	0.001593497	1.63832E-09
2113 Sep	0.001000648	0.148387685	1E-05	1.480855823	2.831015825	0.053422619	0.000289539	5.251111984	0.001334754	0.010531867	0.000438699	0.000148163	8.05081E-05	0.11250224	2.00002E-06	6.95893E-05	0.000694169	0.001583263	1.604E-09
2113 Oct	0.001000206	0.146132886	1E-05	1.466310143	2.789101124	0.051601674	0.000301684	5.212095261	0.001320875	0.010572004	0.000421299	0.00014285	7.88287E-05	0.11092259	2.00002E-06	7.03111E-05	0.000673558	0.001563435	1.5375E-09
2113 Nov	0.001000059	0.145379499	1E-05	1.461449981	2.775096416	0.050993253	0.000305743	5.19905901	0.001316238	0.010585414	0.000415485	0.000141075	7.82676E-05	0.110394798	2.00002E-06	7.05523E-05	0.000666671	0.00155681	1.51528E-09
2113 Dec	0.001000057	0.145371646	1E-05	1.461399317	2.774950266	0.050986912	0.000305785	5.198923111	0.00131619	0.010585554	0.000415425	0.000141056	7.82617E-05	0.1103893	2.00002E-06	7.05548E-05	0.000666599	0.001556741	1.51505E-09
2114 Jan	0.001000079	0.14537546	1E-05	1.461433172	2.775045156	0.050989106	0.000305796	5.199071884	0.001316209	0.010585677	0.000415422	0.000141053	7.82615E-05	0.110392891	2.00002E-06	7.05562E-05	0.000666616	0.001556723	1.51495E-09
2114 Feb	0.00100011	0.145383447	1E-05	1.461497068	2.775225639	0.050994344	0.000305795	5.199322224	0.001316253	0.010585792	0.000415441	0.000141056	7.82632E-05	0.110399708	2.00001E-06	7.05572E-05	0.000666665	0.001556723	1.5149E-09
2114 Mar	0.001000127	0.145387799	1E-05	1.461531878	2.775323868	0.050997198	0.000305795	5.199458122	0.001316277	0.010585857	0.000415451	0.000141058	7.82642E-05	0.110403426	2.00001E-06	7.05578E-05	0.000666691	0.001556723	1.51487E-09
2114 Apr	0.001000136	0.145390272	1E-05	1.461551785	2.775379896	0.050998829	0.000305795	5.199535847	0.001316291	0.010585893	0.000415456	0.000141059	7.82647E-05	0.110405549	2.00001E-06	7.05581E-05	0.000666707	0.001556723	1.51485E-09
2114 May	0.001008941	0.148424223	1E-05	1.484276056	2.840549707	0.053080272	0.00030198	5.281650066	0.001333333	0.010618103	0.000434499	0.000144192	8.00873E-05	0.112848841	2.00001E-06	7.07146E-05	0.000689019	0.001566172	1.46149E-09
2114 Jun	0.001017204	0.151996732	1E-05	1.509869576	2.914740324	0.055597965	0.000294759	5.368727207	0.001353729	0.010647162	0.00045769	0.000149354	8.2255E-05	0.115613848	2.00001E-06	7.07325E-05	0.000718097	0.001584383	1.37356E-09
2114 Jul	0.001014412	0.151354194	1E-05	1.503613591	2.897853136	0.055156313	0.000293335	5.344107151	0.001349721	0.010630338	0.000454072	0.000149217	8.18541E-05	0.114963986	2.00001E-06	7.05207E-05	0.000713552	0.001584394	1.35953E-09
2114 Aug	0.001013132	0.150913402	1E-05	1.50049293	2.888518333	0.054868653	0.00029361	5.333235264	0.001347286	0.010618319	0.000451551	0.000148518	8.16436E-05	0.114624456	2.00001E-06	7.04291E-05	0.00070952	0.001581545	1.35089E-09
2114 Sep	0.00101	0.149131373	1E-05	1.490261197	2.856511593	0.053660009	0.000299937	5.301465511	0.001338017	0.010607555	0.00043996	0.000145087	8.06922E-05	0.113474227	2.00001E-06	7.05822E-05	0.000694377	0.001568825	1.31484E-09
2114 Oct	0.001009465	0.147656739	1E-05	1.480625033	2.828787327	0.052478828	0.000307495	5.274945736	0.001328975	0.010631425	0.0004287	0.000141742	7.96037E-05	0.112429082	2.00001E-06	7.10213E-05	0.000681073	0.001556419	1.27967E-09
2114 Nov	0.001009019	0.14642854	1E-05	1.472599268	2.805696487	0.051495053	0.00031379	5.252858639	0.001321445	0.010651307	0.000419322	0.000138955	7.86972E-05	0.111558609	2.00001E-06	7.13871E-05	0.000669993	0.001546086	1.25038E-09
2114 Dec	0.001009	0.14637579	1E-05	1.472254634	2.804704666	0.051452804	0.00031406	5.25191021	0.001321122	0.010652161	0.000418919	0.000138835	7.86583E-05	0.111521222	2.00001E-06	7.14028E-05	0.000669517	0.001545642	1.24912E-09
2115 Jan	0.001009027	0.146380424	1E-05	1.472295403	2.804819107	0.051455468	0.000314073	5.252089024	0.001321145	0.010652306	0.000418916	0.000138832	7.8658E-05	0.111525543	2.00001E-06	7.14045E-05	0.000669538	0.00154562	1.24902E-09
2115 Feb	0.001009064	0.14639017	1E-05	1.472373247	2.805039167	0.051461872	0.000314072	5.252393246	0.001321199	0.010652447	0.000418938	0.000138836	7.86601E-05	0.111533865	2.00001E-06	7.14056E-05	0.000669598	0.001545621	1.24897E-09
2115 Mar	0.001009084	0.146395504	1E-05	1.472415924	2.80515933	0.051465377	0.000314072	5.252559662	0.001321228	0.010652523	0.000418951	0.000138838	7.86613E-05	0.111538418	2.00001E-06	7.14063E-05	0.00066963	0.001545621	1.24894E-09

Appendix D.2-10: SPD

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.001009096	0.146398544	1E-05	1.472440124	2.805227995	0.05146737	0.000314071	5.252654552	0.001321245	0.010652565	0.000418958	0.000138839	7.86619E-05	0.111541003	2.00001E-06	7.14067E-05	0.000669649	0.001545621	1.24892E-09
2115 May	0.001017548	0.149384022	1E-05	1.494684458	2.869069576	0.053523388	0.000309983	5.332551956	0.00133804	0.0106823	0.000437794	0.000142037	8.04626E-05	0.113933936	2.00001E-06	7.15328E-05	0.000691761	0.001555419	1.20512E-09
2115 Jun	0.001024691	0.152175248	1E-05	1.515061259	2.927832842	0.055469882	0.000305166	5.403792381	0.001353859	0.010706723	0.000455688	0.000145552	8.2155E-05	0.116130739	2.00001E-06	7.15888E-05	0.000713426	0.001567099	1.15696E-09
2115 Jul	0.001022401	0.151483878	1E-05	1.508054376	2.909101486	0.054950509	0.0003038	5.378424168	0.00134904	0.010686909	0.000451599	0.000144806	8.17004E-05	0.115409583	2.00001E-06	7.13382E-05	0.000706784	0.00156384	1.14353E-09
2115 Aug	0.00101531	0.149139121	1E-05	1.491776586	2.860012531	0.05344861	0.000305223	5.321038246	0.001336385	0.010621366	0.000438348	0.000141233	8.06162E-05	0.113630876	2.00001E-06	7.08456E-05	0.000685841	0.001549504	1.10543E-09
2115 Sep	0.001010945	0.147592798	1E-05	1.483740926	2.83309412	0.052539513	0.00030887	5.29323864	0.0013294	0.01058726	0.000429571	0.000138716	8.00172E-05	0.112699337	2.00001E-06	7.07396E-05	0.000673457	0.001540274	1.08247E-09
2115 Oct	0.001010746	0.147082433	1E-05	1.48037219	2.823446751	0.052129645	0.000311475	5.283875465	0.001326263	0.010595952	0.000425661	0.000137585	7.96361E-05	0.112334609	2.00001E-06	7.08944E-05	0.000668919	0.001536129	1.07216E-09
2115 Nov	0.001010438	0.146295637	1E-05	1.475178838	2.808573246	0.051497776	0.000315493	5.269440174	0.001321427	0.010609352	0.000419633	0.000135842	7.90486E-05	0.111772336	2.00001E-06	7.11332E-05	0.000661924	0.001529739	1.05627E-09
2115 Dec	0.001010416	0.146237984	1E-05	1.474798322	2.807483435	0.051451478	0.000315787	5.268382549	0.001321072	0.010610335	0.000419192	0.000135715	7.90055E-05	0.111731142	2.00001E-06	7.11506E-05	0.000661412	0.00152927	1.05511E-09
2116 Jan	0.001010445	0.146243125	1E-05	1.474843264	2.807609797	0.051454432	0.000315801	5.268579483	0.001321099	0.010610499	0.000419188	0.000135711	7.90051E-05	0.111735903	2.00001E-06	7.11525E-05	0.000661435	0.001529248	1.05501E-09
2116 Feb	0.001010487	0.146254033	1E-05	1.474930406	2.807856083	0.051461607	0.0003158	5.268919468	0.001321158	0.010610657	0.000419213	0.000135716	7.90075E-05	0.111745216	2.00001E-06	7.11539E-05	0.000661503	0.001529249	1.05496E-09
2116 Mar	0.001010509	0.146259978	1E-05	1.474977732	2.807989597	0.051465496	0.000315799	5.269103527	0.001321191	0.010610743	0.000419227	0.000135718	7.90088E-05	0.111750267	2.00001E-06	7.11546E-05	0.000661539	0.001529249	1.05494E-09
2116 Apr	0.001010522	0.146263272	1E-05	1.475003958	2.808063984	0.051467661	0.000315799	5.269206524	0.001321209	0.010610791	0.000419234	0.00013572	7.90095E-05	0.111753076	2.00001E-06	7.1155E-05	0.000661559	0.001529249	1.05492E-09
2116 May	0.001017181	0.148633137	1E-05	1.492562294	2.858582258	0.05309711	0.000312511	5.33206892	0.001334521	0.010635518	0.000434154	0.00013834	8.04268E-05	0.113643676	2.00001E-06	7.1262E-05	0.000679309	0.001537469	1.0256E-09
2116 Jun	0.00102735	0.154101208	1E-05	1.530099034	2.968680859	0.057017103	0.000298147	5.452974796	0.001365998	0.010671346	0.000470433	0.000148054	8.3739E-05	0.117720485	2.00001E-06	7.11003E-05	0.000727235	0.001574076	9.16913E-10
2116 Jul	0.001021675	0.153105751	1E-05	1.520807624	2.943318129	0.056412611	0.000295484	5.412335873	0.001360672	0.010647534	0.000465206	0.000148951	8.31586E-05	0.116744347	2.00001E-06	7.07997E-05	0.000723345	0.001580089	9.0385E-10
2116 Aug	0.001019881	0.152512282	1E-05	1.517377138	2.932244539	0.056058567	0.000296406	5.400233269	0.001357844	0.010631881	0.000461903	0.000148024	8.2923E-05	0.116355419	2.00001E-06	7.07155E-05	0.000718406	0.001576567	8.9699E-10
2116 Sep	0.001017259	0.150561959	1E-05	1.50541985	2.896203518	0.05465116	0.000304119	5.36419487	0.001347015	0.010634725	0.000448468	0.000144149	8.17334E-05	0.115033425	2.00001E-06	7.10107E-05	0.000701627	0.001562297	8.69845E-10
2116 Oct	0.001016173	0.148309827	1E-05	1.49047184	2.853352547	0.052853387	0.000315203	5.322220325	0.001333198	0.010669177	0.000431368	0.000139206	8.00717E-05	0.113415539	2.00001E-06	7.16473E-05	0.000681535	0.001544089	8.3521E-10
2116 Nov	0.001016009	0.14796862	1E-05	1.488207102	2.846860409	0.052581005	0.000316882	5.315860748	0.001331105	0.010674397	0.000428777	0.000138457	7.982E-05	0.113170415	2.00001E-06	7.17438E-05	0.00067849	0.00154133	8.29963E-10
2116 Dec	0.001016006	0.147963017	1E-05	1.488169909	2.846753597	0.052576531	0.00031691	5.315756321	0.00133107	0.010674484	0.000428735	0.000138445	7.98158E-05	0.113166392	2.00001E-06	7.17454E-05	0.00067844	0.001541285	8.29877E-10
2117 Jan	0.001016025	0.147966191	1E-05	1.488197803	2.846832037	0.052578349	0.000316919	5.315879345	0.001331086	0.010674586	0.000428732	0.000138443	7.98155E-05	0.11316935	2.00001E-06	7.17465E-05	0.000678454	0.001541269	8.29829E-10
2117 Feb	0.001016051	0.147973061	1E-05	1.488252521	2.846986532	0.052582856	0.000316918	5.316092968	0.001331124	0.010674683	0.000428748	0.000138445	7.9817E-05	0.113175198	2.00001E-06	7.17474E-05	0.000678496	0.00154127	8.29805E-10
2117 Mar	0.001016065	0.147976801	1E-05	1.488282442	2.847070932	0.052585315	0.000316918	5.316209793	0.001331144	0.010674737	0.000428756	0.000138447	7.98178E-05	0.113178395	2.00001E-06	7.17478E-05	0.000678519	0.00154127	8.29791E-10
2117 Apr	0.001016073	0.147978932	1E-05	1.488299489	2.847119331	0.052586719	0.000316918	5.31627655	0.001331156	0.010674768	0.000428761	0.000138448	7.98183E-05	0.113180213	2.00001E-06	7.17481E-05	0.000678533	0.00154127	8.29784E-10
2117 May	0.001021564	0.14993915	1E-05	1.502808928	2.888846397	0.053935926	0.000314116	5.368235111	0.00134216	0.010694139	0.000441132	0.000140596	8.09958E-05	0.114742622	2.00001E-06	7.18245E-05	0.000693117	0.001547927	8.10313E-10
2117 Jun	0.001029003	0.153329	1E-05	1.526719928	2.958423615	0.056333214	0.000306548	5.448563099	0.001361484	0.010718563	0.000463277	0.000145741	8.3052E-05	0.117331281	2.00001E-06	7.17877E-05	0.000721019	0.001566288	7.63678E-10
2117 Jul	0.001026316	0.152640045	1E-05	1.519857883	2.940001726	0.055839431	0.000305057	5.422530174	0.001356948	0.010699614	0.00045931	0.000145334	8.26104E-05	0.116621882	2.00001E-06	7.15474E-05	0.000715359	0.001564862	7.55257E-10
2117 Aug	0.001023728	0.151784182	1E-05	1.513787389	2.921842098	0.055285949	0.000305492	5.401109695	0.001352261	0.010675891	0.000454449	0.000144046	8.22049E-05	0.115961209	2.00001E-06	7.1364E-05	0.000707691	0.001559683	7.46161E-10
2117 Sep	0.001022555	0.151103675	1E-05	1.509728551	2.909367323	0.054815911	0.000307886	5.388426781	0.001348639	0.010673103	0.000449957	0.000142771	8.18235E-05	0.115508705	2.00001E-06	7.14298E-05	0.000701959	0.001555008	7.38489E-10
2117 Oct	0.001021898	0.149950877	1E-05	1.502062678	2.887375355	0.05390108	0.00031343	5.36665535	0.001341601	0.010689797	0.000441257	0.000140292	8.09791E-05	0.114678815	2.00001E-06	7.17442E-05	0.000691765	0.001545923	7.2358E-10
2117 Nov	0.001021708	0.149618059	1E-05	1.499849319	2.88102603	0.053636961	0.000315031	5.360370159	0.001339569	0.010694616	0.000438745	0.000139577	8.07354E-05	0.114439212	2.00001E-06	7.18349E-05	0.000688822	0.001543301	7.19276E-10
2117 Dec	0.001021696	0.149596706	1E-05	1.499707341	2.880618811	0.053620014	0.000315134	5.359966755	0.001339438	0.010694926	0.000438584	0.000139531	8.07197E-05	0.114423841	2.00001E-06	7.18407E-05	0.000688633	0.001543132	7.19E-10
2118 Jan	0.001021722	0.149601087	1E-05	1.499745965	2.880727291	0.053622507	0.000315146	5.360136986	0.00133946	0.010695068	0.000438579	0.000139528	8.07192E-05	0.114427939	2.00001E-06	7.18424E-05	0.000688652	0.001543111	7.18942E-10
2118 Feb	0.001021759	0.149610728	1E-05	1.499823213	2.880945206	0.053628851	0.000315145	5.360438347	0.001339513	0.010695207	0.000438601	0.000139531	8.07213E-05	0.114436172	2.00001E-06	7.18435E-05	0.000688711	0.001543111	7.18912E-10
2118 Mar	0.001021779	0.149616003	1E-05	1.499865174	2.881063938	0.053632308	0.000315145	5.360602856	0.001339542	0.010695282	0.000438613	0.000139533	8.07224E-05	0.114440672	2.00001E-06	7.18442E-05	0.000688744	0.001543111	7.18895E-10
2118 Apr	0.001023061	0.149952441	1E-05	1.50255239	2.888655901	0.053853355	0.000315115	5.371101856	0.001341383	0.010700108	0.000439368	0.000139666	8.07944E-05	0.114727713	2.00001E-06	7.18853E-05	0.000690805	0.001543121	7.17845E-10
2118 May	0.001038021	0.155102655	1E-05	1.541049838	2.999093533	0.05738432	0.000308514	5.510335922	0.001370254	0.010753392	0.000469502	0.000144934	8.36644E-05	0.118868314	2.00001E-06	7.21333E-05	0.000728459	0.001558833	6.75975E-10
2118 Jun	0.001048427	0.159977958	1E-05	1.575371146	3.098986626	0.060845111	0.000297319	5.624866009	0.001398142	0.010787278	0.00050177	0.000152532	8.66616E-05	0.122584142	2.00001E-06	7.20613E-05	0.000769011	0.001586214	6.156E-10
2118 Jul	0.001045499	0.159359097	1E-05	1.569529653	3.083096027	0.060437735	0.000295981	5.601084709	0.001394502	0.010772027	0.000498371	0.000152606	8.6289E-05	0.121973723	2.00001E-06	7.18731E-05	0.000765299	0.001587385	6.10347E-10
2118 Aug	0.001039423	0.157373145	1E-05	1.557033539	3.044107199	0.059215821	0.000298311	5.556694984	0.001384536	0.01072038	0.00048727	0.00014966	8.54397E-05	0.120581813	2.00001E-06	7.15531E-05	0.000748629	0.001576157	5.95617E-10
2118 Sep	0.001034159	0.154230341	1E-05	1.537595987	2.985340118	0.057004288	0.000309284	5.495738506	0.001367409	0.010713339	0.000466357	0.000143885	8.36108E-05	0.11843162	2.00001E-06	7.18889E-05	0.000722278	0.001555172	5.69088E-10
2118 Oct	0.001032552	0.152038023	1E-05	1.522759914	2.942923069	0.055275179	0.000319229	5.452579498	0.001354036	0.010741972	0.000450074	0.000139376	8.20234E-05	0.116828918	2.00001E-06	7.24389E-05	0.000703158	0.001538786	5.48374E-10
2118 Nov	0.001032163	0.151508212	1E-05	1.519174576	2.932672262	0.054857314	0.000321632	5.442149162	0.001350804	0.010748893	0.000446139	0.000138286	8.16398E-05	0.116441593	2.00001E-06	7.25718E-05	0.000698538	0.001534827	5.43368E-10
2118 Dec	0.001032157	0.151499078	1E-05	1.519112706	2.932495356	0.054850113	0.000321674	5.441969395	0.001350748	0.010749012	0.000446071	0.000138268	8.16332E-05	0.116434924	2.00001E-06	7.25741E-05	0.000698458	0.001534758	5.43282E-10
2119 Jan	0.001032177	0.15150255	1E-05	1.519143224	2.932581186	0.054852083	0.000321684	5.442103863	0.001350766	0.010749126	0.000446067	0.000138265	8.16327E-05	0.116438158	2.00001E-06	7.25754E-05	0.000698473	0.001534741	5.43246E-10
2119 Feb	0.001032207	0.151510403	1E-05	1.519205809	2.932758331	0.05485725	0.000321683	5.442348957	0.001350809	0.010749238	0.000446084	0.000138268	8.16344E-05	0.116444856	2.00001E-06	7.25763E-05	0.000698521	0.001534742	5.43227E-10
2119 Mar	0.001032223	0.151514709	1E-05	1.519240141	2.932855129	0.054860074	0.000321682	5.442482471	0.001350832	0.010749299	0.000446094	0.00013827	8.16353E-05	0.116448514	2.00001E-06	7.25769E-05	0.000698548	0.001534742	5.43217E-10
2119 Apr	0.001037496	0.152902931	1E-05	1.530302525	2.964127779	0.055772286	0.00032152	5.485665321	0.001358422	0.01076905	0.000449192	0.000138827	8.19291E-05	0.117630556	2.00001E-06	7.27435E-05	0.000707063	0.001534835	5.39917E-10
2119 May	0.001073247	0.163622171	1E-05	1.612831235	3.199275732	0.062969171	0.000313645	5.79600668	0.001417711	0.010899219	0.000492227	0.000146569	8.6011E-05	0.126480728	2E-06	7.36161E-05	0.000779204	0.001551983	4.9407E-10
2119 Jun	0.001071176	0.164241225	1E-05	1.615187287	3.20758152	0.063512504	0.000307669	5.794669151	0.001421706	0.010888116	0.000498724	0.000149883	8.65414E-05	0.126760826	2E-06	7.33214E-05	0.0007887	0.001566672	4.74448E-10
2119 Jul	0.001066168	0.163315296	1E-05	1.606624365	3.18415451	0.062939927	0.000305434	5.75790596	0.001416665	0.010866127	0.000494121	0.000150502	8.60343E-05	0.125860959	2E-06	7.30498E-05	0.000784582	0.00157117	4.68922E-10
2119 Aug	0.00106103	0.161698148	1E-05	1.596790552	3.153067112	0.061967395	0.000307478	5.722429752	0.001408827	0.010824399	0.000485632	0.00014824	8.54142E-05	0.124757163	2E-06	7.2806E-05	0.000771559	0.001562845	4.60345E-10
2119 Sep	0.001055715	0.159417957	1E-05	1.582987189	3.110373974	0.060469188	0.000313541	5.676198006	0.00139713	0.010798963	0.000472221	0.00014457	8.43238E-05	0.123216376	2E-06	7.28345E-05	0.00075321	0.001549745	4.47174E-10
2119 Oct	0.001054137	0.157847181	1E-05	1.572110295	3.079390526	0.059245355	0.000319999	5.643393993	0.001387594	0.010815796	0.000461339	0.000141579	8.32595E-05	0.122044235	2E-06	7.31747E-05	0.000739854	0.001539066	4.36436E-10
2119 Nov	0.001053495	0.157207936	1E-05	1.567683816	3.066781282	0.058747284	0.000322627	5.630043507	0.001383714	0.010822646	0.00045691	0.000140362	8.28264E-05	0.121567205	2E-06	7.33131E-05	0.000734419	0.00153472	4.32067E-10
2119 Dec	0.001053487	0.157200247	1E-05	1.567630529	3.066629648	0.058741305	0.000322659	5.629883289	0.001383667	0.010822728	0.000456857	0.000140347	8.28212E-05	0.121561475	2E-06	7.33148E-05	0.000734354	0.001534668	4.32014E-10

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.026	2.34E-05	7.04E-06	1.8E-07	0.0067	3.7E-06	0.0023	1.8E-07	1.8E-07	9.1E-10	1.1E-06	5.1E-07	1.3E-06	1.3E-05	9.1E-10	1.1E-02	3.7E-09	1.3E-07	2.2E-07
Operations (2020-2043): Mean	168	0.65	0.91	0.022	61	0.066	26	1.1E-03	1.1E-03	6.1E-06	9.0E-03	1.9E-03	6.1E-02	2.3E-02	5.9E-06	2.3E+01	2.4E-05	3.5E-04	3.0E-04
Operations (2020-2043): Max	632	2.2	3.5	0.26	274	0.12	100	1.5E-03	1.5E-03	8.1E-06	1.2E-02	3.9E-03	1.5E-01	4.2E-02	9.5E-06	3.8E+01	3.7E-05	2.5E-03	6.6E-04
Active Closure (2044-2050): Min	80	0.10	0.14	0.003	17	0.035	13	1.1E-03	1.1E-03	5.8E-06	7.9E-03	1.4E-03	3.0E-02	1.4E-02	5.7E-06	1.4E+01	2.2E-05	2.2E-04	1.6E-04
Active Closure (2044-2050): Mean	203	0.51	0.69	0.012	59	0.071	44	1.2E-03	1.2E-03	7.2E-06	1.1E-02	2.4E-03	8.7E-02	2.1E-02	6.9E-06	2.6E+01	3.0E-05	3.1E-04	2.9E-04
Active Closure (2044-2050): Max	284	0.83	1.1	0.020	92	0.098	65	1.5E-03	1.5E-03	8.6E-06	1.2E-02	3.2E-03	1.3E-01	3.5E-02	8.2E-06	3.6E+01	3.7E-05	4.6E-04	5.3E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Post Closure (2051-2119): Min	144	0.11	0.13	0.0032	27	0.047	37	9.0E-04	7.8E-04	5.0E-06	6.1E-03	1.9E-03	6.4E-02	1.5E-02	5.8E-06	1.8E+01	2.2E-05	2.9E-04	2.1E-04
Post Closure (2051-2119): Mean	212	0.16	0.22	0.0054	35	0.053	84	1.6E-03	9.3E-04	5.8E-06	9.2E-03	5.1E-03	1.4E-01	2.9E-02	8.0E-06	3.4E+01	3.9E-05	8.8E-04	3.8E-04
Post Closure (2051-2119): Max	281	0.43	0.58	0.011	52	0.070	128	2.3E-03	1.3E-03	7.9E-06	1.2E-02	8.0E-03	2.1E-01	4.1E-02	1.0E-05	4.9E+01	5.3E-05	1.4E-03	5.1E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0.026359472	2.33979E-05	7.03766E-06	1.82796E-07	0.006690347	3.65593E-06	0.002284955	1.82796E-07	1.82796E-07	9.13982E-10	1.0785E-06	5.1183E-07	1.26129E-06	1.32527E-05	9.13982E-10	0.010510791	3.65593E-09	1.27957E-07	2.19356E-07
2020 Feb	0.052186418	4.63232E-05	1.39331E-05	3.619E-07	0.013245531	7.238E-06	0.004523747	3.619E-07	3.619E-07	1.8095E-09	2.13521E-06	1.01332E-06	2.49711E-06	2.62377E-05	1.8095E-09	0.020809237	7.238E-09	2.5333E-07	4.3428E-07
2020 Mar	0.065989673	5.85756E-05	1.76184E-05	4.57622E-07	0.016748961	9.15244E-06	0.005720274	4.57622E-07	4.57622E-07	2.28811E-09	2.69997E-06	1.28134E-06	3.15759E-06	3.31776E-05	2.28811E-09	0.02631326	9.15244E-09	3.20335E-07	5.49146E-07
2020 Apr	0.073749326	6.54634E-05	1.96902E-05	5.11433E-07	0.018718455	1.02287E-05	0.006392915	5.11433E-07	5.11433E-07	2.55717E-09	3.01746E-06	1.43201E-06	3.52889E-06	3.70789E-05	2.55717E-09	0.029407406	1.02287E-08	3.58003E-07	6.1372E-07
2020 May	0.569116116	0.000445763	0.000144995	6.00374E-06	0.13563925	0.000120075	0.046330482	6.00374E-06	6.00374E-06	3.00187E-08	3.96611E-05	1.15185E-05	4.99039E-05	0.000267623	3.00187E-08	0.214624405	1.26912E-07	2.83518E-06	4.19612E-06
2020 Jun	8.555466652	0.004558392	0.001928976	0.000164442	1.721347094	0.003288839	0.588178098	0.000164442	0.000164442	8.2221E-07	0.001186816	0.000190027	0.001567866	0.003355534	8.2221E-07	2.78248024	3.63821E-06	4.52357E-05	4.36084E-05
2020 Jul	10.31470585	0.004970153	0.002251326	0.000216675	2.018153191	0.00451189	0.694006085	0.000216675	0.000216675	1.08338E-06	0.001552277	0.000235909	0.002070075	0.00391727	1.08338E-06	3.264466524	4.65109E-06	5.43545E-05	4.7976E-05
2020 Aug	11.04220676	0.005387907	0.002374327	0.000234489	2.179986	0.00513454	0.753596604	0.000234489	0.000234489	1.17245E-06	0.001654843	0.000255297	0.002244106	0.004192353	1.17245E-06	3.497180462	4.82792E-06	5.74352E-05	5.04045E-05
2020 Sep	12.52445889	0.009078025	0.002470349	0.00026381	2.587774277	0.006721305	0.915454924	0.00026381	0.00026381	1.31905E-06	0.001891905	0.000287677	0.0026281	0.004666366	1.31905E-06	3.95889616	5.09508E-06	6.27588E-05	5.28781E-05
2020 Oct	14.36651897	0.014307388	0.002571823	0.000298692	3.094571829	0.008617285	1.12265873	0.000298692	0.000298692	1.49346E-06	0.002210608	0.000326722	0.003062689	0.00525818	1.49346E-06	4.528456211	5.54623E-06	6.9102E-05	5.62356E-05
2020 Nov	14.9270525	0.015890632	0.002603241	0.000309315	3.248528481	0.009192353	1.185560465	0.000309315	0.000309315	1.54657E-06	0.002307505	0.000338611	0.003194834	0.005438462	1.54657E-06	4.701798439	5.68413E-06	7.10381E-05	5.72663E-05
2020 Dec	14.94372749	0.01593652	0.002604257	0.000309632	3.253068924	0.009209177	1.187409043	0.000309632	0.000309632	1.54816E-06	0.002310375	0.000338965	0.00319875	0.005443854	1.54816E-06	4.706958294	5.68832E-06	7.10966E-05	5.72984E-05
2021 Jan	89.97348022	0.069003657	0.022750882	0.001000007	21.22589111	0.020000242	7.25030756	0.001000007	0.001000007	5.00003E-06	0.006675014	0.001832559	0.008449992	0.04185174	5.00003E-06	33.62636948	2.13001E-05	0.000450015	0.00065003
2021 Feb	89.98801422	0.069015995	0.022754697	0.001000127	21.22949791	0.020002643	7.25153923	0.001000127	0.001000127	5.00063E-06	0.006675762	0.001832845	0.0084509	0.041858874	5.00063E-06	33.63204956	2.13025E-05	0.000450086	0.000650146
2021 Mar	90.02082062	0.069041811	0.02276307	0.001000469	21.2373333	0.020009482	7.254215717	0.001000469	0.001000469	5.00234E-06	0.006678016	0.001833508	0.008453732	0.041874342	5.00234E-06	33.64444351	2.13098E-05	0.000450249	0.000650389
2021 Apr	90.08085632	0.069088228	0.022778295	0.001001123	21.25155449	0.020022569	7.259072781	0.001001123	0.001001123	5.00562E-06	0.006682367	0.001834728	0.008459227	0.041902382	5.00562E-06	33.66696167	2.13237E-05	0.000450549	0.000650826
2021 May	91.01496887	0.069804765	0.02301451	0.0010115	21.47194099	0.020230114	7.33435297	0.0010115	0.0010115	5.0575E-06	0.006751629	0.001853753	0.008546902	0.04233693	5.0575E-06	34.01609802	2.15446E-05	0.000455221	0.000657576
2021 Jun	86.37992096	0.064698137	0.021660902	0.001013715	20.14838219	0.02027439	6.882410049	0.001013715	0.001013715	5.06857E-06	0.006835494	0.001771566	0.008703783	0.039697398	5.06857E-06	31.96228981	2.16978E-05	0.000433932	0.000609987
2021 Jul	86.44015503	0.063918725	0.021560932	0.001043292	20.07036018	0.021125065	6.862163067	0.001043292	0.001043292	5.21646E-06	0.007033464	0.001783171	0.008994348	0.039519753	5.21646E-06	31.8409462	2.21459E-05	0.000434043	0.000603177
2021 Aug	87.47842407	0.064584151	0.021735126	0.001067296	20.31477547	0.022046739	6.952860355	0.001067296	0.001067296	5.33648E-06	0.007161594	0.001811112	0.009225638	0.039931752	5.33648E-06	32.18631744	2.23133E-05	0.000438171	0.000606973
2021 Sep	84.57752991	0.065077119	0.020697597	0.001049885	19.68889427	0.022777392	6.762992859	0.001049885	0.001049885	5.24942E-06	0.007091022	0.001754482	0.009231832	0.03833852	5.24942E-06	30.99613571	2.15573E-05	0.000421485	0.000576825
2021 Oct	82.97399902	0.06642504	0.020040641	0.001042886	19.35471916	0.023447549	6.671999931	0.001042886	0.001042886	5.21443E-06	0.007105334	0.001722995	0.009271057	0.037401628	5.21443E-06	30.30900383	2.12185E-05	0.00041157	0.000558186
2021 Nov	83.09199524	0.066637821	0.020057015	0.001044961	19.38403511	0.023531394	6.68319416	0.001044961	0.001044961	5.2248E-06	0.007122255	0.001725527	0.00929406	0.037445188	5.2248E-06	30.34754562	2.12519E-05	0.000412067	0.000558627
2021 Dec	83.12536621	0.066675387	0.020063965	0.001045434	19.39198303	0.023545455	6.686034203	0.001045434	0.001045434	5.22717E-06	0.007125737	0.001726227	0.009298689	0.037459347	5.22717E-06	30.35931778	2.12607E-05	0.000412225	0.000558819
2022 Jan	83.12950134	0.066682748	0.020064702	0.001045479	19.39309692	0.02354753	6.68644762	0.001045479	0.001045479	5.22739E-06	0.007126098	0.00172631	0.009299163	0.03746115	5.22739E-06	30.36083794	2.12613E-05	0.000412242	0.000558843
2022 Feb	83.13407135	0.066686943	0.020065965	0.001045502	19.39429092	0.023547931	6.686854362	0.001045502	0.001045502	5.22751E-06	0.007126214	0.001726396	0.009299278	0.037463531	5.22751E-06	30.36271667	2.12618E-05	0.000412264	0.000558884
2022 Mar	83.15652466	0.066705242	0.020071471	0.001045765	19.39959908	0.023553805	6.688681602	0.001045765	0.001045765	5.22882E-06	0.007127987	0.001726858	0.009301575	0.037473828	5.22882E-06	30.37103081	2.12671E-05	0.000412375	0.00055904
2022 Apr	83.60792542	0.067067504	0.020180475	0.001051431	19.50494576	0.023681384	6.725001812	0.001051431	0.001051431	5.25715E-06	0.007166594	0.001736229	0.009351943	0.037677351	5.25715E-06	30.53595924	2.13823E-05	0.000414613	0.000562078
2022 May	84.64012146	0.067895547	0.020429635	0.001064407	19.74576187	0.023973638	6.808030605	0.001064407	0.001064407	5.32204E-06	0.007255039	0.001757663	0.009467354	0.03814254	5.32204E-06	30.91296959	2.16462E-05	0.000419732	0.000569018
2022 Jun	80.13253021	0.062507249	0.019187225	0.001059992	18.458004	0.023634637	6.362418175	0.001059992	0.001059992	5.29996E-06	0.007285128	0.001675718	0.009533035	0.035645474	5.29996E-06	28.95308113	2.17618E-05	0.00039954	0.000525398
2022 Jul	70.07839203	0.051770799	0.016479366	0.001013381	15.8321228	0.022878965	5.470421314	0.001013381	0.001013381	5.06691E-06	0.006966759	0.00149437	0.009193864	0.030540835	5.06691E-06	24.87578583	2.05201E-05	0.000349913	0.000438312
2022 Aug	71.65058136	0.052831616	0.016765544	0.001046823	16.19724083	0.024071913	5.603692055	0.001046823	0.001046823	5.23411E-06	0.007155928	0.001534494	0.009516579	0.03117279	5.23411E-06	25.40379524	2.08349E-05	0.000356583	0.000444873
2022 Sep	70.45818329	0.05391524	0.01626127	0.001040028	15.9771204	0.024720503	5.543955803	0.001040028	0.001040028	5.20014E-06	0.007133446	0.001510758	0.009572336	0.030474216	5.20014E-06	24.90672112	2.03818E-05	0.000349038	0.000430609
2022 Oct	69.41079712	0.055276114	0.01581957	0.001031814	15.78135014	0.025150601	5.49455452	0.001031814	0.001031814	5.15907E-06	0.007125442	0.001488734	0.009568779	0.02987708	5.15907E-06	24.47294617	2.00854E-05	0.000342287	0.000418842
2022 Nov	69.57974243	0.055471964	0.015852408	0.001034531	15.82094669	0.025234433	5.508864403	0.001034531	0.001034531	5.17265E-06	0.007145565	0.00149237	0.009596004	0.029945716	5.17265E-06	24.53071404	2.01345E-05	0.000343076	0.000419709
2022 Dec	69.60500336	0.055503339	0.015857125	0.001034944	15.82690716	0.025247736	5.511035442	0.001034944	0.001034944	5.17472E-06	0.007148668	0.001492914	0.009600209	0.029955838	5.17472E-06	24.53928947	2.01419E-05	0.000343193	0.000419834
2023 Jan	69.60870361	0.055510521	0.015857801	0.001034974	15.82794666	0.025249427	5.511422634	0.001034974	0.001034974	5.17487E-06	0.00714893	0.001492985	0.009600539	0.02995752	5.17487E-06	24.54070282	2.01422E-05	0.000343208	0.000419857
2023 Feb	69.61357117	0.055514976	0.015859159	0.001034996	15.82922268	0.025249755	5.511855602	0.001034996	0.001034996	5.17498E-06	0.007149034	0.001493076	0.009600633	0.029960077	5.17498E-06	24.54271126	2.01427E-05	0.000343231	0.000419901
2023 Mar	69.62043762	0.055520769	0.015860859	0.00103507	15.83087635	0.025251465	5.5124259	0.00103507	0.00103507	5.17535E-06	0.007149523	0.001493216	0.009601264	0.029963285	5.17535E-06	24.54529572	2.01441E-05	0.000343265	0.000419951
2023 Apr	69.83246613	0.055690043	0.015909243	0.001038207	15.87914085	0.025327923	5.529229164	0.001038207	0.001038207	5.19103E-06	0.007171174	0.00149776	0.009630326	0.030054685	5.19103E-06	24.62014008	2.02052E-05	0.00034431	0.000421234
2023 May	70.89614105	0.056512818	0.016172521	0.001050879	16.12814903	0.025596239	5.614626884	0.001050879	0.001050879	5.2544E-06	0.007256547	0.00151967	0.009740196	0.030541575	5.2544E-06	25.0128727	2.04684E-05	0.000349614	0.000428649
2023 Jun	69.30396271	0.05377299	0.015885694	0.001036434	15.66121769	0.024637079	5.439797401	0.001036434	0.001036434	5.18217E-06	0.007178363	0.001485654	0.009599513	0.029782014	5.18217E-06	24.38524628	2.05207E-05	0.000343851	0.000418423
2023 Jul	67.47528076	0.051153671	0.015365191	0.001041105	15.12875843	0.024767362	5.259245872	0.001041105	0.001041105	5.20552E-06	0.007207899	0.001457296	0.009658042	0.028767765	5.20552E-06	23.5784111	2.05432E-05	0.000335045	0.000399766
2023 Aug	68.95008087	0.052083053	0.015641166	0.001072664	15.46559715	0.025847811	5.382965088	0.001072664	0.001072664	5.36332E-06	0.007388521	0.001495324	0.009946333	0.029369835	5.36332E-06	24.07432556	2.08713E-05	0.000341275	0.000406206
2023 Sep	69.04389191	0.052905455	0.015549587	0.001080249	15.51639366	0.026491554	5.406204224	0.001080249	0.001080249	5.40124E-06	0.007434285	0.001498806	0.010096314	0.029313061	5.40124E-06	24.07148933	2.0763E-05	0.000340995	0.000402947
2023 Oct	68.73090363	0.053894386	0.015370158	0.001078715	15.47152519	0.026796928	5.400797844	0.001078715	0.001078715	5.39358E-06	0.007450833	0.001492031	0.01012057	0.029105034	5.39358E-06	23.93039894	2.06628E-05	0.000338574	0.000398304
2023 Nov	68.90991974	0.054211397	0.015394529	0.001082008	15.5154829	0.026927883	5.417610645	0.001082008	0.001082008	5.41004E-06	0.007477463	0.00149592	0.010156995	0.029170034	5.41004E-06	23.98812866	2.07157E-05	0.00033933	0.000398937
2023 Dec	68.9312973	0.054242156	0.015398071	0.001082382	15.52058697	0.026941063	5.41950798	0.001082382	0.001082382	5.41191E-06	0.007480353	0.001496385	0.010160941	0.029178232	5.41191E-06	23.99520874	2.07221E-05	0.000339425	0.000399029
2024 Jan	68.93397522	0.054249648	0.015398575	0.001082387	15.52145767	0.026942283	5.419840336	0.001082386	0.001082386	5.41193E-06	0.007480443	0.001496429	0.010161027	0.02917954	5.41193E-06	23.9963131	2.07219E-05	0.000339435	0.000399048
2024 Feb	68.93883514	0.054254793	0.015400885	0.001082407	15.52279949	0.026942153	5.420293808	0.001082391	0.001082391	5.41196E-06	0.00748042	0.001496515	0.010160975	0.029182199	5.41196E-06	23.99838638	2.07221E-05	0.000339458	0.000399096
2024 Mar	69.00179291	0.054304775	0.015415139	0.001083357	15.53709888	0.026965661	5.425278664	0.001083341	0.001083341	5.41671E-06	0.007486957	0.001497872	0.010169822	0.029209195	5.41671E-06	24.02052116	2.07403E-05	0.000339767	0.000399472
2024 Apr	69.12399292	0.054401189	0.015442542	0.001085255	15.56468296	0.027012806	5.434905529	0.001085239	0.001085239	5.42619E-06	0.007500052	0.001500519	0.01018759	0.029261112	5.42619E-06	24.06318092	2.07766E-05	0.000340369	0.000400185
2024 May	70.67311096	0.056728318	0.017828725	0.001127788	15.98254776	0.027158324	5.577256203	0.001094673	0.001094673	5.47479E-06	0.00756066	0.001527593	0.010341927	0.029953066	5.4743E-06	24.61411667	2.1034E-05	0.000347352	0.00041202
2024 Jun	70.90655518	0.058464848	0.022080513	0.00116256	16.14896202	0.025792804	5.619065285	0.001062858	0.001062858	5.31856E-06	0.007337733	0.001516588	0.010150489	0.030177651	5.31711E-06	24.74197197	2.07894E-05	0.00034832	0.000421861
2024 Jul	73.56199646	0.062074367	0.0258242	0.001260389	16.78486633	0.026972121	5.843945026	0.001107257	0.001107257	5.54284E-06	0.007644277	0.001572137	0.010714068	0.031138111	5.54062E-06	25.54210472	2.16454E-05	0.000360058	0.000434212
2024 Aug	75.81295013	0.067176111	0.031846292	0.00138723	17.42153549	0.028230136	6.071995735	0.00114007	0.00114007	5.71094E-06	0.00785205	0.001615294	0.01132269	0.031836726	5.70734E-06	26.1499044	2.20806E-05	0.000368164	0.000442433
2024 Sep	75.94694519	0.077374019	0.045855746	0.001617555	17.79169655	0.029108213	6.223571777	0.001131262	0.001131262	5.67714E-06	0.007825024	0.001597984	0.012018868	0.031199336	5.67007E-06	25.72865486	2.17281E-05	0.000361266	0.000430496
2024 Oct	76.46530914	0.083697937	0.053706367	0.00175065	18.09657669	0.029695269	6.345422268	0.001131975	0.001131975	5.68638E-06	0.00786778	0.001597252	0.012438025	0.031042244	5.67738E-06	25.65082359	2.1731E-05	0.000359512	0.000426841
2024 Nov	76.56565857	0.085754156	0.055876203	0.001788309	18.17829323	0.029953031	6.380926609	0.001132398	0.001132398	5.69009E-06	0.007888371	0.001596087	0.012567767	0.030959029	5.68055E-06	25.60449791	2.17186E-05	0.000358571	0.000424812
2024 Dec	76.60850525	0.085903905	0.056048576	0.001791567	18.19176292	0.029974822	6.385880947	0.001132883	0.001132883	5.69263E-06	0.007892318	0.001596763	0.012580715	0.030969851	5.68305E-06	25.61427307	2.1728E-05	0.000358697	0.000424941
2025 Jan	76.61151886	0.08590997	0.056045029	0.001791508	18.19265747	0.0299762	6.386223793	0.001132892	0.001132892	5.69267E-06	0.007892449	0.001596819	0.012580656	0.030971482	5.68309E-06	25.61563492	2.17279E-05	0.000358709	0.000424965
2025 Feb	76.6229248	0.085920557	0.056049008	0.00179162	18.19551849	0.029978288	6.387205124	0.001132987	0.001132987	5.69315E-06	0.007893042	0.001597044	0.012581436	0.030977014	5.68357E-06	25.62005234	2.17298E-05	0.000358764	0.000425055
2025 Mar	76.6383667	0.085936688	0.056057937	0.001791897	18.19926834	0.029983042	6.38850975	0.001133175	0.001133175	5.69409E-06	0.007894316	0.001597358	0.012583379	0.030983759	5.68451E-06	25.62554359	2.17334E-05	0.000358837	0.000425154
2025 Apr	76.70424652	0.086009882	0.056104783	0.00179339	18.21496201	0.030008089	6.394011021	0.001134126	0.001134126	5.69887E-06	0.007900923	0.001598727	0.01259386	0.03101068	5.68928E-06	25.64775848	2.17517E-05	0.000359146	0.000425528

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 May	77.7828598	0.087230451	0.056912571	0.001818889	18.47151756	0.030429587	6.484076977	0.001150038	0.001150038	5.77884E-06	0.008011787	0.001621177	0.01277148	0.031446137	5.76911E-06	26.00793839	2.2057E-05	0.000364189	0.000431506
2025 Jun	73.52233124	0.082389817	0.056457609	0.001800221	17.32044601	0.029246388	6.077720642	0.001121759	0.001121759	5.63786E-06	0.007861971	0.001536149	0.012576913	0.029279487	5.62799E-06	24.26976395	2.1837E-05	0.000345207	0.000397355
2025 Jul	68.58885956	0.078421317	0.058661729	0.001821359	16.080616	0.028163286	5.648446083	0.001085343	0.001085343	5.45824E-06	0.007623965	0.001437948	0.012409202	0.026727762	5.44754E-06	22.21111107	2.12542E-05	0.000320631	0.000356848
2025 Aug	71.33266449	0.086946443	0.070311062	0.002044844	16.93060875	0.029666524	5.957697868	0.001121686	0.001121686	5.64797E-06	0.007854423	0.001486221	0.013277798	0.027434099	5.63455E-06	22.82592773	2.17698E-05	0.000328393	0.000365111
2025 Sep	93.90370941	0.18343538	0.196145326	0.004303603	24.6657753	0.040368497	8.789753914	0.00133163	0.00133163	6.78546E-06	0.009590409	0.00179209	0.021289855	0.03187795	6.74223E-06	26.99259949	2.61652E-05	0.000381889	0.000419621
2025 Oct	105.3192825	0.455616653	0.533658564	0.009818862	35.79470444	0.060742091	13.36903286	0.001113023	0.001113023	5.93804E-06	0.009791376	0.001495287	0.037111271	0.020860011	5.81143E-06	20.14763451	2.13631E-05	0.000247077	0.000210569
2025 Nov	111.4969864	0.538826168	0.659991145	0.01185032	39.90257645	0.063237831	14.90989399	0.001031811	0.001031811	5.62248E-06	0.009464304	0.001433573	0.042403363	0.018590454	5.46514E-06	18.68520927	2.05712E-05	0.000220297	0.000181568
2025 Dec	111.6566849	0.539562345	0.660823286	0.011865653	39.95808792	0.063339159	14.93085575	0.001033514	0.001033514	5.63158E-06	0.009479937	0.001435793	0.042461865	0.018619563	5.47404E-06	18.71442223	2.06024E-05	0.000220639	0.000181816
2026 Jan	111.7837677	0.539510608	0.660651326	0.011862636	39.98663712	0.063328706	14.93996906	0.001034078	0.001034078	5.63425E-06	0.009481316	0.001438457	0.042452499	0.018698717	5.47676E-06	18.77517891	2.06153E-05	0.000221376	0.000183219
2026 Feb	111.8750916	0.538921773	0.65971595	0.0118464	39.99214172	0.063268609	14.93989754	0.001034318	0.001034318	5.63474E-06	0.009477585	0.001441344	0.042400412	0.018801693	5.47749E-06	18.85084534	2.06202E-05	0.000222308	0.000185115
2026 Mar	112.3322449	0.540898025	0.662358224	0.011891774	40.15560532	0.063423187	14.9990921	0.001036781	0.001036781	5.64888E-06	0.009498798	0.001446996	0.042545099	0.018901778	5.49104E-06	18.94030952	2.06817E-05	0.000223344	0.000186684
2026 Apr	113.8726807	0.548724949	0.672614992	0.012070932	40.73009491	0.064164959	15.21148586	0.001047698	0.001047698	5.71066E-06	0.009601055	0.001464824	0.043142349	0.019134801	5.55042E-06	19.1742878	2.09263E-05	0.000226027	0.00018948
2026 May	126.8136063	0.610233188	0.764598906	0.013615065	45.61527634	0.067172617	16.95580673	0.001091758	0.001091758	5.99485E-06	0.009974635	0.001600303	0.04769861	0.021373466	5.81409E-06	21.19143486	2.26117E-05	0.000250448	0.000231095
2026 Jun	73.76946259	0.182834417	0.234308675	0.004685285	20.39625359	0.02861909	7.24461937	0.0010012	0.0010012	5.16323E-06	0.007592753	0.001281152	0.020103199	0.021019427	5.11169E-06	18.14602089	2.30322E-05	0.000276998	0.000279382
2026 Jul	77.27742004	0.229286864	0.322370201	0.006263991	22.81456757	0.036007483	8.226726532	0.001095464	0.001095464	5.69768E-06	0.007856588	0.001324153	0.02481572	0.018459981	5.62614E-06	16.2101078	2.2415E-05	0.00024229	0.000222147
2026 Aug	117.1740341	0.543022037	0.807067811	0.014308808	43.16996765	0.059629593	15.79567242	0.001086663	0.001086663	5.99672E-06	0.007096862	0.001572007	0.047374044	0.017026043	5.81482E-06	16.34091568	1.64834E-05	0.000186862	0.000195574
2026 Sep	157.2441864	0.830292344	1.204516888	0.020863166	61.30741882	0.073420748	22.44734001	0.001060447	0.001060447	6.146E-06	0.008175134	0.001746191	0.066866569	0.017574226	5.87373E-06	18.52954674	1.99748E-05	0.00020521	0.000215536
2026 Oct	182.2304993	1.025168896	1.44928062	0.024865733	72.75965881	0.081351228	26.75855255	0.001000675	0.001000675	6.02021E-06	0.009299704	0.001815635	0.07838539	0.017791517	5.69217E-06	19.86376572	2.3865E-05	0.000212592	0.000227507
2026 Nov	183.6882935	1.032387257	1.458177805	0.025024012	73.29553986	0.082147405	26.9588356	0.001012873	0.001012873	6.08742E-06	0.009416663	0.001833578	0.078940749	0.018011315	5.75737E-06	20.09096718	2.41206E-05	0.000215205	0.000229707
2026 Dec	183.4478455	1.030302048	1.454585552	0.024966208	73.16856384	0.082132988	26.91363907	0.001014566	0.001014566	6.09335E-06	0.009429056	0.0018337	0.078794107	0.018038979	5.76412E-06	20.10801315	2.41239E-05	0.000215512	0.000229684
2027 Jan	183.2920074	1.028580189	1.451810956	0.024920184	73.0775528	0.082055613	26.87982941	0.001014903	0.001014903	6.09306E-06	0.009428081	0.001834188	0.078664236	0.018092161	5.76447E-06	20.14217949	2.41161E-05	0.000215994	0.000230477
2027 Feb	183.2780151	1.027691603	1.450387716	0.024896158	73.0471344	0.081996366	26.86749649	0.001015066	0.001015066	6.09284E-06	0.009425556	0.001835662	0.078592844	0.018160064	5.76458E-06	20.19017029	2.41155E-05	0.000216608	0.000231671
2027 Mar	183.6652374	1.029420853	1.452735901	0.024936682	73.18791199	0.082140692	26.91864777	0.001017341	0.001017341	6.10585E-06	0.009444485	0.001840421	0.078723207	0.018236248	5.77706E-06	20.25986099	2.41671E-05	0.000217409	0.000232822
2027 Apr	186.7959442	1.046712041	1.477084041	0.025354754	74.42759705	0.0835241	27.3742466	0.001034758	6.21E-06	0.009604905	0.001872302	0.080044441	0.018568994	5.87571E-06	20.62086105	2.45794E-05	0.000221314	0.000237173
2027 May	233.3265991	1.340241075	1.924068928	0.032777511	94.39092255	0.096572377	34.60300064	0.001091536	0.001091536	6.80926E-06	0.010482954	0.002193638	0.101259723	0.021374788	6.36827E-06	24.0780201	2.91E-05	0.00025337	0.00030624
2027 Jun	92.72660065	0.388211489	0.567409337	0.010258476	31.17113113	0.03841462	11.24766636	0.001007251	0.001007251	5.43163E-06	0.008124785	0.001231898	0.036207009	0.014223968	5.30016E-06	13.79016876	2.54016E-05	0.000221835	0.000174066
2027 Jul	70.62392426	0.21666567	0.317537904	0.006264153	20.54124451	0.035726532	7.414996147	0.001145213	0.001145213	5.94501E-06	0.008384879	0.00121088	0.025445741	0.014303447	5.87163E-06	13.02497673	2.43823E-05	0.000218376	0.000146236
2027 Aug	114.1242828	0.512208879	0.756471813	0.013544438	40.73392487	0.056528132	14.78924656	0.001163701	0.001163701	6.34842E-06	0.008258823	0.001511302	0.04689844	0.015992591	6.16962E-06	15.94616318	2.13444E-05	0.000218032	0.000174219
2027 Sep	187.036026	1.047927141	1.512499928	0.025948405	74.68396759	0.082408153	27.2978344	0.001047708	0.001047708	6.30454E-06	0.009131644	0.001836081	0.082266085	0.017257322	5.94416E-06	19.7399807	2.38332E-05	0.000221404	0.00022336
2027 Oct	180.0710449	1.01162672	1.416643143	0.02433913	71.57928467	0.081400685	26.32693863	0.001012286	0.001012286	6.06007E-06	0.009608824	0.001783449	0.077459037	0.017754512	5.7224E-06	20.04106331	2.44105E-05	0.000217663	0.000222075
2027 Nov	167.2172699	0.918730438	1.265766382	0.021858297	65.57792664	0.078329794	24.17220879	0.001025412	0.001025412	6.01893E-06	0.009661171	0.001729252	0.070593424	0.018007886	5.71736E-06	19.89226723	2.37196E-05	0.000218911	0.000214645
2027 Dec	171.9393463	0.951402664	1.315495491	0.022682035	67.69886017	0.079766192	24.94486046	0.001027303	0.001027303	6.06357E-06	0.009737493	0.001755515	0.072930053	0.018085703	5.7501E-06	20.09457397	2.41239E-05	0.000219953	0.000218355
2028 Jan	171.6629028	0.948443592	1.310825348	0.022604262	67.54208374	0.079619385	24.88646317	0.001027566	0.001027566	6.06155E-06	0.009732173	0.001756141	0.072706252	0.01817224	5.7492E-06	20.14802742	2.41039E-05	0.000220709	0.0002197
2028 Feb	171.6934814	0.947232902	1.308866501	0.022571178	67.51257324	0.07953684	24.87355614	0.001028031	0.001028031	6.06244E-06	0.009729213	0.001759188	0.072607428	0.018293571	5.75057E-06	20.23533821	2.41077E-05	0.00022181	0.000221834
2028 Mar	171.7926636	0.947039664	1.30844605	0.022564299	67.52927399	0.07953088	24.87862015	0.001028776	0.001028776	6.06584E-06	0.009732313	0.001761671	0.07258939	0.018367501	5.75409E-06	20.2919426	2.41214E-05	0.000222508	0.000223087
2028 Apr	173.4979553	0.956027508	1.320778131	0.022777176	68.18717194	0.08029139	25.12038422	0.001039073	0.001039073	6.12599E-06	0.009827516	0.001779976	0.073276497	0.018585172	5.81131E-06	20.5184288	2.43607E-05	0.000225034	0.000225928
2028 May	183.7060394	1.016138792	1.406600475	0.024237625	72.33978271	0.084577046	26.64418411	0.001085365	0.001085365	6.41801E-06	0.010294806	0.001872546	0.077793673	0.019458801	6.08284E-06	21.53822327	2.56506E-05	0.000235649	0.000238291
2028 Jun	75.22386169	0.280652344	0.394413769	0.007416074	23.5948658	0.035441913	8.538136482	0.001011124	0.001011124	5.32989E-06	0.008082434	0.001118701	0.028463969	0.013128453	5.2371E-06	12.58531189	2.38666E-05	0.000209958	0.000139638
2028 Jul	67.75982666	0.208403274	0.302043974	0.005989395	19.40900803	0.034130935	6.992502213	0.001122008	0.001122008	5.81852E-06	0.008417323	0.001155849	0.024747267	0.013590285	5.74795E-06	12.49589443	2.48098E-05	0.000217448	0.000136084
2028 Aug	94.90516663	0.359626591	0.523749411	0.009801242	30.44109535	0.048664581	11.01146603	0.001283079	0.001283079	6.78028E-06	0.009381396	0.00144824	0.0370619	0.016397098	6.65674E-06	15.63679409	2.58691E-05	0.000246083	0.000166805
2028 Sep	119.4065247	0.56075424	0.776978791	0.013896267	42.56888199	0.060516112	15.5956049	0.001169853	0.001169853	6.39446E-06	0.009438904	0.001534411	0.048546437	0.017206723	6.20985E-06	17.41917229	2.40835E-05	0.000234632	0.000182581
2028 Oct	160.8145599	0.893754125	1.223268032	0.021157371	62.52387238	0.076527268	23.08666992	0.001026601	0.001026601	5.99543E-06	0.009848311	0.001684448	0.068477787	0.017983641	5.70338E-06	19.61312866	2.45854E-05	0.000219921	0.000211784
2028 Nov	152.7351685	0.830245316	1.117610693	0.019431463	58.63116455	0.075154804	21.69465446	0.001048105	0.001048105	6.02809E-06	0.009965125	0.001663829	0.063843407	0.018406007	5.76139E-06	19.75389099	2.40917E-05	0.000223176	0.000208273
2028 Dec	152.5194855	0.82825464	1.11420393	0.019376755	58.51562119	0.075147226	21.65353966	0.001049842	0.001049842	6.03435E-06	0.009976667	0.001664223	0.063705124	0.018434778	5.76848E-06	19.77208138	2.4092E-05	0.000223482	0.000208278
2029 Jan	152.3783112	0.826523662	1.111486077	0.019331394	58.43067932	0.075058296	21.62158394	0.001049985	0.001049985	6.03312E-06	0.009972556	0.001664904	0.063574031	0.01849395	5.7679E-06	19.81007576	2.40787E-05	0.000223999	0.000209234
2029 Feb	152.3878021	0.825661421	1.110139966	0.019308444	58.40820313	0.074991703	21.61180878	0.001050059	0.001050059	6.0325E-06	0.009968236	0.001666718	0.063503601	0.018571915	5.76762E-06	19.86543274	2.40763E-05	0.000224694	0.000210647
2029 Mar	152.4998474	0.825781107	1.11020124	0.019309755	58.43722534	0.075008817	21.62176895	0.001050836	0.001050836	6.03641E-06	0.009972931	0.001668856	0.063510604	0.018626561	5.77152E-06	19.9089241	2.40919E-05	0.000225223	0.000211548
2029 Apr	153.1374664	0.828960896	1.114420533	0.019383276	58.67375946	0.075301155	21.70884895	0.001055232	0.001055232	6.06135E-06	0.010013152	0.001676344	0.063753933	0.018727373	5.79546E-06	20.00832367	2.41915E-05	0.000226368	0.000212851
2029 May	174.7929993	0.966336608	1.322643161	0.022846024	67.73186493	0.082461454	25.42031479	0.001084437	0.001084437	6.3746E-06	0.010491721	0.001832831	0.075023107	0.019897463	6.05208E-06	21.58594513	2.65023E-05	0.000240247	0.000242717
2029 Jun	185.4905243	1.004442334	1.452005982	0.024940126	70.73635101	0.076007418	27.70848274	0.001078543	0.001078543	6.50569E-06	0.010178349	0.001895726	0.084568821	0.019736029	6.1288E-06	21.33217621	3.18985E-05	0.000264625	0.000290901
2029 Jul	62.45515442	0.190989345	0.276957124	0.005490744	18.03151512	0.034804508	7.019504547	0.001024156	0.001024156	5.33395E-06	0.007311948	0.001111389	0.02368689	0.013047107	5.26176E-06	11.82339573	2.02702E-05	0.000185448	0.000130585
2029 Aug	101.1003342	0.442465544	0.653113067	0.011770281	35.19491196	0.056303907	14.18645668	0.001082742	0.001082742	5.93453E-06	0.007329743	0.001445115	0.044866562	0.015164196	5.75816E-06	14.86207104	1.76329E-05	0.000184324	0.000162105
2029 Sep	132.0349426	0.655593872	0.927731335	0.016303925	48.5231514	0.069627918	19.74470329	0.001070482	0.001070482	6.0974E-06	0.008407699	0.001618528	0.060592379	0.01674423	5.84512E-06	17.63276863	2.02023E-05	0.000205199	0.000190466
2029 Oct	156.2748566	0.831402898	1.154337168	0.020030342	59.05464935	0.078743339	24.20624352	0.001042979	0.001042979	6.14469E-06	0.009392329	0.001739274	0.07283584	0.017718663	5.82982E-06	19.43443298	2.35164E-05	0.000214524	0.000214262
2029 Nov	203.4440155	1.156855583	1.645185709	0.028152669	79.58079529	0.09481512	32.75380325	0.001051797	0.001051797	6.58659E-06	0.01026341	0.00201617	0.099160053	0.018540131	6.13701E-06	21.65136719	2.81244E-05	0.000225817	0.000255081
2029 Dec	206.2457275	1.1759758	1.674274445	0.028634736	80.79496765	0.095777549	33.25857925	0.001053161	0.001053161	6.61697E-06	0.010314591	0.002033263	0.100725651	0.018593131	6.15941E-06	21.78469658	2.83953E-05	0.000226562	0.000257529
2030 Jan	206.0583801	1.174139142	1.671349645	0.028586147	80.69715881	0.095681131	33.21604538	0.001053353	0.001053353	6.61554E-06	0.010311785	0.002033262	0.100567736	0.018638633	6.15879E-06	21.81121826	2.83797E-05	0.000226961	0.000258174
2030 Feb	206.1221161	1.173769236	1.670671225	0.028574904	80.70111084	0.095661104	33.21496582	0.001053957	0.001053957	6.61798E-06	0.010313584	0.002035346	0.100531764	0.018707229	6.16143E-06	21.86259842	2.83887E-05	0.000227603	0.000259331
2030 Mar	206.4182587	1.175056458	1.672420621	0.028605023	80.80561829	0.095771514	33.25650024	0.001055622	0.001055622	6.6277E-06	0.010327645	0.002039063	0.100639664	0.018768322	6.17068E-06	21.91831398	2.84295E-05	0.000228242	0.00026029
2030 Apr	207.7167053	1.182218909	1.682567239	0.028778683	81.30735779	0.096358448	33.46214676	0.001062349	0.001062349	6.66951E-06	0.010392174	0.002052344	0.101251766	0.018906016	6.20972E-06	22.07013321	2.86084E-05	0.000229856	0.000262264
2030 May	218.6438141	1.244780421	1.772310972	0.030308215	85.59573364	0.101282597	35.25374222	0.001113541	0.001113541	6.99918E-06	0.010904512	0.002157928	0.106670931	0.01986856	6.51443E-06	23.20292473	3.00852E-05	0.000241508	0.000276548
2030 Jun	83.13156128	0.311395943	0.436448306	0.00813228	25.91788292	0.039821997	10.3696003	0.001044416	0.001044416	5.57264E-06	0.008378789	0.001236189	0.033744954	0.014819594	5.45393E-06	14.20637035	2.48417E-05	0.000225111	0.000169677
2030 Jul	81.33883667	0.31323719	0.465085477	0.008597138	25.79697609	0.042918921	11.25609398	0.00101968	0.00101968	5.51141E-06	0.007510531	0.001246949	0.036725722	0.013326067	5.37155E-06	12.75879955	2.16824E-05	0.000185681	0.000149467
2030 Aug	126.3681183	0.595258951	0.894363582	0.015782641	44.85644913	0.067714788	20.36734962	0.001108357	0.001108357	6.35785E-06	0.007863071	0.001668851	0.063873291	0.015708953	6.0815E-06	16.12234306	2.10887E-05	0.000183079	0.000193373
2030 Sep	141.4282684	0.68032819	1.001938939	0.017610766	50.6926384	0.075859524	23.02386475	0.001162117	0.001162117	6.72719E-06	0.008614334	0.001805561	0.071701884	0.017178465	6.41679E-06	18.08180618	2.24795E-05	0.00020407	0.000211081
2030 Oct	135.2855835	0.659081042	0.911049902	0.016035542	48.3990593	0.07427787	21.9674511	0.001074029	0.001074029	6.20615E-06	0.009060497	0.001697396	0.066389978	0.017442983	5.92305E-06	18.55335617	2.25208E-05	0.000207127	0.000205281
2030 Nov	138.6007538	0.68451488	0.932026565	0.016371036	49.79583359	0.075929828	22.63127327	0.001059366	0.001059366	6.15325E-06	0.009342436	0.001706628	0.06784758	0.017742898	5.86323E-06	19.04838562	2.3138E-05	0.000210856	0.000209096
2030 Dec	138.6277771	0.684431732	0.931551993	0.016364262	49.79645157	0.075976327	22.63024521	0.001060514	0.001060514	6.15856E-06	0.009354284	0.001707705	0.067834273	0.017766094	5.86869E-06	19.06934738	2.31553E-05	0.000211124	0.000209231
2031 Jan	138.5588379	0.683341146	0.929735839	0.01633391	49.74982452	0.075905055	22.60404587	0.001060717	0.001060717	6.15786E-06	0.009352832	0.001708491	0.067721307	0.017823564	5.86857E-06	19.10806084	2.31486E-05	0.000211646	0.000210142
2031 Feb	138.5878296	0.682725787	0.928722262	0.016316524	49.74050522	0.075844228	22.59444046	0.001060804	0.001060804	6.15732E-06	0.009349804	0.001710178	0.067652807	0.017897449	5.86836E-06	19.1609726	2.31482E-05	0.000212314	0.000211462
2031 Mar	138.7158508	0.682943523	0.928922236	0.016320266	49.77570343	0.075872511	22.6075058	0.00106171	0.00106171	6.16201E-06	0.009355727	0.001712481	0.067670278	0.017952191	5.873E-06	19.20531082	2.31666E-05	0.00021285	0.000212352
2031 Apr	140.8219299	0.693280756	0.943085372	0.016567811	50.53164291	0.076979667	22.95420456	0.001076729	0.001076729	6.2503E-06	0.009489198	0.001738146	0.068699427	0.018230591	5.95682E-06	19.49983025	2.35088E-05	0.000216093	0.000215904
2031 May	156.831604	0.725242436	0.993342459	0.017382396	54.93009949	0.077216603	25.14469719	0.001121371	0.001121371	6.54105E-06	0.009764549	0.001979553	0.073140591	0.024151316	6.22469E-06	24.27127266	2.63704E-05	0.000278167	0.000332329
2031 Jun	92.20144653	0.178275183	0.20527707	0.004173505	24.30167007	0.030832743	9.633485794	0.001065207	0.001065207	5.51138E-06	0.007751602	0.001680929	0.021962656	0.032082975	5.44862E-06	26.88108444	2.40352E-05	0.000372801	0.000474579
2031 Jul	102.7233429	0.234591603	0.29843384	0.005886234	28.02209473	0.040539443	11.78316689	0.001231605	0.001231605	6.44439E-06	0.008815089	0.001844657	0.030017216	0.031883743	6.34741E-06	27.1119175	2.64382E-05	0.000372773	0.000455692
2031 Aug	123.9599915	0.45805636	0.654258668	0.011791231	39.77119446	0.062915437	19.03427505	0.001169003	0.001169003	6.52013E-06	0.008170824	0.001879134	0.055572823	0.024744242	6.29151E-06	23.0479393	2.18496E-05	0.000279887	0.000339157
2031 Sep	190.8542175	0.971233487	1.389644861	0.023881938	69.16153717	0.097149573	35.49681091	0.001030378	0.001030378	6.61602E-06	0.009556494	0.002138493	0.107942805	0.020018511	6.12021E-06	23.1535759	2.74653E-05	0.000243791	0.000302585
2031 Oct	207.4413147	1.111281276	1.554393172	0.026601052	76.34499359	0.106332406	39.60232544	0.000996838	0.000996838	6.62645E-06	0.01082603	0.002193512	0.119511195	0.019138679	6.07032E-06	23.43562126	3.15591E-05	0.000232389	0.000291562
2031 Nov	233.8991394	1.279610872	1.809630036	0.030830938	86.98795319	0.117237493	45.37898254	0.001007973	0.001007973	6.95283E-06	0.011396009	0.002383321	0.137443244	0.019623779	6.30503E-06	24.86257172	3.46517E-05	0.000239502	0.000318077
2031 Dec	233.5055237	1.276812911	1.805062056	0.03075668	86.81824493	0.117116421	45.28409195	0.001009313	0.001009313	6.95468E-06	0.011400495	0.002381599	0.137140304	0.01964093	6.30852E-06	24.86148643	3.46229E-05	0.000239672	0.000317772
2032 Jan	233.2098389	1.274234653	1.801019192	0.030689625	86.68082428	0.116944276	45.20284653	0.001009682	0.001009682	6.9522E-06	0.011394521	0.002380924	0.136855423	0.019700212	6.3075E-06	24.89109421	3.45896E-05	0.000240185	0.000318521
2032 Feb	233.122879	1.27281177	1.798803687	0.030652365	86.6240921	0.116825551	45.16380692	0.001009845	0.001009845	6.95061E-06	0.011388628	0.002381944	0.136692762	0.019779501	6.30673E-06	24.94229126	3.45747E-05	0.000240888	0.000319843
2032 Mar	233.3089447	1.273317933	1.799408913	0.030662945	86.68009949	0.11687839	45.18791962	0.001010941	0.001010941	6.9567E-06	0.011396833	0.00238487	0.136741847	0.01984187	6.31261E-06	24.99472046	3.46012E-05	0.000241506	0.000320873

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Apr	235.219162	1.283459425	1.813679218	0.030906267	87.38247681	0.117812827	45.55125046	0.001019379	0.001019379	7.01396E-06	0.011489652	0.002404968	0.137827978	0.020030271	6.36477E-06	25.2174778	3.48839E-05	0.000243721	0.000323932
2032 May	248.3239899	1.350287676	1.911586642	0.032555882	92.09111023	0.123390198	48.18344116	0.001060651	0.001060651	7.33306E-06	0.011976468	0.00254107	0.145648867	0.021414921	6.64569E-06	26.78574562	3.681E-05	0.000259651	0.000351597
2032 Jun	105.6670151	0.419623524	0.602556705	0.01084264	33.06615448	0.050331425	17.21754456	0.001020015	0.001020015	5.77088E-06	0.008751764	0.0014598	0.054446507	0.016158227	5.54372E-06	16.39046097	2.83873E-05	0.000240234	0.000223396
2032 Jul	67.86534119	0.221472502	0.329141557	0.006279543	19.52812767	0.039349556	10.42082405	0.000940944	0.000940944	5.09072E-06	0.00688923	0.001150229	0.034123082	0.0121761	4.96E-06	11.64255524	2.00911E-05	0.000170052	0.000137629
2032 Aug	125.4680634	0.553070664	0.819893301	0.014470579	42.01129532	0.073154971	23.89865875	0.00102078	0.00102078	6.08824E-06	0.007643283	0.001693304	0.075265668	0.015074158	5.75491E-06	16.68915558	2.08917E-05	0.000189587	0.000199309
2032 Sep	137.5310059	0.616098762	0.885562122	0.015590867	46.50053406	0.081559077	26.26552582	0.001056806	0.001056806	6.34907E-06	0.008267909	0.001809293	0.082016505	0.016585173	5.98841E-06	18.78813934	2.11329E-05	0.000211546	0.00021351
2032 Oct	139.0072632	0.627554119	0.877826095	0.015470672	46.957798	0.08280237	26.44518852	0.001061461	0.001061461	6.36355E-06	0.008809048	0.00182256	0.081557117	0.017254757	6.00586E-06	19.44680214	2.23623E-05	0.000216592	0.000218729
2032 Nov	159.7512207	0.757017493	1.066013575	0.018580146	54.97608185	0.091987394	31.40499496	0.001058577	0.001058577	6.57773E-06	0.009391207	0.001976407	0.096580848	0.017747352	6.14263E-06	20.74874878	2.52977E-05	0.000222368	0.000242734
2032 Dec	170.3711548	0.826722205	1.163204551	0.020175386	59.14471436	0.096533805	33.99682236	0.001044473	0.001044473	6.62551E-06	0.009721255	0.002045688	0.104225822	0.01794346	6.15035E-06	21.38686752	2.69577E-05	0.000223965	0.000254956
2033 Jan	170.1635895	0.824521363	1.159527659	0.020114189	59.04098129	0.096356191	33.91858292	0.00104492	0.00104492	6.62323E-06	0.009718608	0.002045976	0.103927054	0.018037917	6.1496E-06	21.44390488	2.69367E-05	0.000224789	0.000256304
2033 Feb	170.2518768	0.823672116	1.158016682	0.020088721	59.04155731	0.096268222	33.89983749	0.001045719	0.001045719	6.6253E-06	0.009718424	0.002049423	0.103799343	0.0181753	6.15232E-06	21.54303169	2.69443E-05	0.000226045	0.000258636
2033 Mar	170.8522339	0.825861931	1.160917878	0.020139469	59.23293304	0.096530497	33.99903488	0.00104955	0.00104955	6.64789E-06	0.009749768	0.002057985	0.10406372	0.018311037	6.17375E-06	21.66824532	2.70358E-05	0.000227481	0.000260779
2033 Apr	173.9499664	0.840422571	1.181283116	0.020493004	60.29716492	0.098236062	34.60371399	0.001068662	0.001068662	6.76798E-06	0.009924852	0.00209607	0.105891757	0.018684454	6.28553E-06	22.08958626	2.75239E-05	0.000231974	0.000266218
2033 May	174.1972351	0.703349233	0.97634083	0.01700912	56.47002411	0.081845038	31.57979202	0.001103598	0.001103598	6.72825E-06	0.009613851	0.002333427	0.090830773	0.030773498	6.31841E-06	30.29888725	2.99894E-05	0.000352067	0.000490225
2033 Jun	94.8468399	0.235513493	0.310152769	0.005845913	25.85509872	0.035696507	13.09273052	0.000960406	0.000960406	5.19959E-06	0.007381051	0.001594695	0.03505116	0.026977127	5.06496E-06	23.54953384	2.44395E-05	0.000325145	0.000412728
2033 Jul	95.68655396	0.269434869	0.377579778	0.007104854	26.84882164	0.046150137	14.70825195	0.001061215	0.001061215	5.80542E-06	0.007733828	0.001632013	0.042354383	0.023275629	5.63632E-06	20.86334991	2.35757E-05	0.000275619	0.000332782
2033 Aug	120.819313	0.40590483	0.586641014	0.010697243	36.04624176	0.065235659	21.16333389	0.001190851	0.001190851	6.74581E-06	0.008575052	0.001940453	0.062777065	0.02408497	6.47776E-06	22.66140747	2.49761E-05	0.000274406	0.000341978
2033 Sep	129.9489288	0.539373934	0.717714846	0.012784349	41.5014534	0.07846944	25.42306328	0.001036313	0.001036313	6.16609E-06	0.009157375	0.001821441	0.07611116	0.019440237	5.83269E-06	20.82193375	2.40716E-05	0.000232204	0.000257095
2033 Oct	133.5370178	0.595420778	0.759680033	0.013448712	43.51177216	0.082986996	26.99398422	0.00097639	0.00097639	5.92901E-06	0.009822152	0.001776213	0.080117747	0.01805515	5.57444E-06	20.3349781	2.53891E-05	0.000215986	0.000230458
2033 Nov	128.4616394	0.561950505	0.702197969	0.012522186	41.50571442	0.081234813	25.45877457	0.001001164	0.001001164	5.97306E-06	0.009941033	0.001750474	0.075179197	0.018375438	5.64552E-06	20.36618614	2.49772E-05	0.000219239	0.000225223
2033 Dec	128.4702911	0.561698973	0.70151937	0.012512494	41.49930954	0.081274346	25.44735909	0.001002819	0.001002819	5.98038E-06	0.009953841	0.001751679	0.075136021	0.018402705	5.65316E-06	20.38814545	2.49924E-05	0.00021955	0.000225341
2034 Jan	128.4253693	0.560941696	0.700293183	0.012492095	41.47192764	0.081204258	25.41862106	0.001003167	0.001003167	5.98038E-06	0.009952079	0.001752303	0.075021788	0.01845208	5.65375E-06	20.41987419	2.49838E-05	0.000219997	0.000226095
2034 Feb	128.474884	0.560598493	0.699729502	0.012482389	41.47681046	0.081156217	25.41053772	0.001003413	0.001003413	5.98077E-06	0.009950036	0.001753907	0.074964486	0.018516928	5.65442E-06	20.46629143	2.49844E-05	0.000220586	0.000227237
2034 Mar	128.6334381	0.560985506	0.700138867	0.012489882	41.52194214	0.081213139	25.4321537	0.001004574	0.001004574	5.98711E-06	0.009959111	0.001756577	0.075010039	0.018571222	5.66058E-06	20.51254082	2.50104E-05	0.000221134	0.000228092
2034 Apr	130.5465698	0.569152772	0.710289299	0.012671067	42.13598633	0.082396016	25.80476952	0.001019471	0.001019471	6.07555E-06	0.010105378	0.001782994	0.076098494	0.018865606	5.7443E-06	20.82975578	2.53795E-05	0.000224582	0.000231816
2034 May	138.5941467	0.5513345	0.688660085	0.012310711	43.44261551	0.079447426	26.06168365	0.001077389	0.001077389	6.34363E-06	0.010228042	0.00197151	0.074752331	0.024563309	6.01966E-06	25.05620956	2.72481E-05	0.00028369	0.000336789
2034 Jun	88.80141449	0.172818765	0.195964679	0.004001264	22.7319622	0.033773597	10.97645569	0.001019103	0.001019103	5.3638E-06	0.00771848	0.001621985	0.027182952	0.029347742	5.27294E-06	25.09161568	2.40473E-05	0.000346308	0.000433884
2034 Jul	118.4785156	0.39645344	0.57123059	0.010330564	34.35590744	0.06246708	22.62708855	0.001070179	0.001070179	6.2316E-06	0.008387539	0.001857172	0.067511909	0.022468075	5.93336E-06	21.65994453	2.68857E-05	0.000266238	0.000341333
2034 Aug	138.7093048	0.479945987	0.691528499	0.012478842	40.87458801	0.078037187	27.2453289	0.001239864	0.001239864	7.27077E-06	0.009509397	0.002157402	0.082108475	0.024732402	6.90793E-06	24.47302055	2.88178E-05	0.000291688	0.000365369
2034 Sep	149.6988678	0.62040323	0.836514652	0.014769835	46.67084122	0.09135136	32.49845123	0.001062071	0.001062071	6.62443E-06	0.010041526	0.00206775	0.097904794	0.020396745	6.17943E-06	22.80459213	2.87927E-05	0.000245354	0.00029649
2034 Oct	155.7309265	0.691231966	0.907190263	0.015891878	49.6139679	0.097639933	35.11830521	0.000982835	0.000982835	6.34605E-06	0.010485115	0.002037418	0.105447441	0.018638296	5.86116E-06	22.21751785	2.96052E-05	0.000224996	0.000269365
2034 Nov	165.2081757	0.74178946	0.981246114	0.017130191	52.86760712	0.102899417	37.68462372	0.00099768	0.00099768	6.53786E-06	0.010821654	0.002130865	0.113367505	0.019015789	6.01315E-06	22.99969482	3.10777E-05	0.000230043	0.000281855
2034 Dec	165.4109192	0.742612123	0.98219353	0.017147513	52.92987061	0.103038788	37.7254715	0.000999484	0.000999484	6.54838E-06	0.010839649	0.002133845	0.113486774	0.019048385	6.02316E-06	23.03531456	3.11206E-05	0.00023043	0.000282224
2035 Jan	165.6070251	0.743241489	0.983102381	0.017162401	52.9889183	0.103092037	37.76466751	0.000999804	0.000999804	6.55148E-06	0.010842979	0.002136507	0.113585755	0.019098744	6.02576E-06	23.07992172	3.11452E-05	0.000230912	0.000283239
2035 Feb	165.6573944	0.742930233	0.982572317	0.017153362	52.99510193	0.103048131	37.75598526	0.001000136	0.001000136	6.55227E-06	0.010841751	0.002138095	0.113527693	0.019162044	6.02684E-06	23.12532425	3.11465E-05	0.000231492	0.000284331
2035 Mar	165.7840576	0.743197918	0.982850671	0.017158411	53.03009796	0.103086568	37.77305984	0.001000975	0.001000975	6.55687E-06	0.010847992	0.002140273	0.113561273	0.019209018	6.03131E-06	23.16464424	3.11662E-05	0.000231957	0.0002851
2035 Apr	167.9275513	0.752633989	0.995285809	0.017375611	53.71257019	0.104396157	38.25465012	0.00101396	0.00101396	6.64141E-06	0.01098707	0.002168258	0.114998884	0.019475998	6.10921E-06	23.47661591	3.15668E-05	0.000235123	0.000289104
2035 May	174.8737793	0.757919312	1.00006032	0.017486177	55.32980728	0.105469152	38.97212601	0.001075332	0.001075332	6.95882E-06	0.011374899	0.002304196	0.116139628	0.022620872	6.42304E-06	25.99657249	3.31271E-05	0.000268657	0.000341847
2035 Jun	65.90746307	0.113789044	0.131497219	0.002971748	15.62410736	0.029424889	7.87220335	0.000981415	0.000981415	5.10448E-06	0.007498804	0.001271587	0.02250638	0.020320091	5.03763E-06	17.70335007	2.30765E-05	0.000269656	0.00027319
2035 Jul	66.07563019	0.12935403	0.173226863	0.003788	15.66494465	0.036700837	9.221030235	0.001077304	0.001077304	5.67422E-06	0.007987866	0.001300291	0.029153034	0.017184947	5.57679E-06	15.4659071	2.38538E-05	0.000237807	0.000210039
2035 Aug	92.34021759	0.273039997	0.378822446	0.007222295	25.36795616	0.061289683	17.71499634	0.001091712	0.001091712	6.12692E-06	0.007921818	0.00158963	0.055590097	0.017407142	5.90059E-06	17.62036705	2.06839E-05	0.000227973	0.000212834
2035 Sep	148.6159821	0.609483659	0.817370057	0.014410138	45.13063049	0.09800899	35.55271912	0.000992926	0.000992926	6.43831E-06	0.00978282	0.002053182	0.108584084	0.017949294	5.93927E-06	21.76249313	2.77857E-05	0.000226083	0.000264949
2035 Oct	140.60672	0.576569259	0.731977403	0.013014179	42.52858734	0.094416648	32.78372955	0.001001258	0.001001258	6.32633E-06	0.010335091	0.001975234	0.098477527	0.018503023	5.87932E-06	21.7805748	2.81221E-05	0.000225226	0.000254851
2035 Nov	138.7483826	0.572081625	0.721126914	0.012818677	42.00642776	0.093215667	32.37120056	0.000981797	0.000981797	6.20984E-06	0.01029634	0.001944018	0.096966416	0.018273225	5.76932E-06	21.51128578	2.80231E-05	0.000221056	0.000251243
2035 Dec	138.991806	0.572964728	0.722001493	0.012835541	42.07681656	0.093395226	32.41821289	0.00098441	0.00098441	6.22447E-06	0.010322037	0.001947968	0.097099729	0.01832075	5.78342E-06	21.56086731	2.80811E-05	0.000221608	0.000251737
2036 Jan	138.9936981	0.572307587	0.720894337	0.012817063	42.0664444	0.093310528	32.38634491	0.000984963	0.000984963	6.22514E-06	0.010320491	0.001949312	0.09696275	0.018396856	5.7848E-06	21.6119709	2.80746E-05	0.000222301	0.000252941
2036 Feb	139.0354462	0.571691811	0.719911098	0.012800117	42.067173	0.093208663	32.36038971	0.000985222	0.000985222	6.22454E-06	0.010315463	0.001951213	0.096833423	0.018492717	5.78484E-06	21.67778778	2.80676E-05	0.000223161	0.000254602
2036 Mar	139.0626984	0.571386993	0.719417274	0.012791619	42.06911469	0.093158178	32.34784698	0.000985395	0.000985395	6.22446E-06	0.010313181	0.001952291	0.096768536	0.018544154	5.78508E-06	21.71343803	2.80649E-05	0.000223625	0.000255491
2036 Apr	150.6426849	0.609082103	0.780549765	0.017132927	46.91772842	0.095059067	34.18231201	0.000999512	0.000999512	6.33299E-06	0.010479004	0.002033355	0.098720685	0.01955398	5.92984E-06	22.70534515	2.84954E-05	0.000269498	0.000271147
2036 May	183.3140869	0.71424073	0.948388934	0.0286953	60.27562332	0.101166472	39.3803978	0.001057895	0.001057895	6.7368E-06	0.011094502	0.002283546	0.104862034	0.022780674	6.42501E-06	25.8388958	3.015E-05	0.000396911	0.000320621
2036 Jun	161.1763611	0.467552871	0.728788555	0.047063682	58.86377335	0.047291297	24.35650063	0.00103964	0.00103964	5.76235E-06	0.008820412	0.001688621	0.040786881	0.019320432	6.07533E-06	18.91716576	2.54283E-05	0.000636617	0.000234031
2036 Jul	171.6879578	0.490344256	0.810371101	0.059167027	66.84208679	0.049203742	25.02586365	0.001063676	0.001063676	5.80124E-06	0.007773944	0.00169884	0.032500286	0.017287984	6.29976E-06	16.59448242	1.84817E-05	0.000694949	0.000169298
2036 Aug	246.7785034	0.741966367	1.23223877	0.090883464	99.91440582	0.065381587	36.99204636	0.001189946	0.001189946	6.66159E-06	0.00866188	0.00218214	0.043916654	0.020951305	7.44625E-06	20.76234436	1.82821E-05	0.000989295	0.000201335
2036 Sep	462.9627686	1.529221058	2.516665697	0.187102675	198.1030579	0.096418083	72.47661591	0.001090253	0.001090253	6.86283E-06	0.010000582	0.00312747	0.075434998	0.026169799	8.5193E-06	29.12882423	1.84262E-05	0.001852865	0.00025967
2036 Oct	551.5151978	1.86800909	3.021193981	0.225166202	238.1133728	0.110930912	86.99698639	0.001041234	0.001041234	6.88759E-06	0.01139774	0.003512849	0.087518692	0.029171608	8.89219E-06	33.45075989	2.04077E-05	0.002200957	0.000289625
2036 Nov	615.7563477	2.098448515	3.405166149	0.253794789	267.0959167	0.119660124	97.52874756	0.001031597	0.001031597	7.05157E-06	0.011872606	0.003809863	0.09701173	0.030768223	9.31352E-06	35.82965851	2.11939E-05	0.002456843	0.000309776
2036 Dec	627.262085	2.140123367	3.473749161	0.258915216	272.2951965	0.121236391	99.41745758	0.001028532	0.001028532	7.07399E-06	0.011963929	0.003862014	0.098692335	0.031055635	9.38208E-06	36.26260757	2.13389E-05	0.002502599	0.000313336
2037 Jan	626.3974609	2.13670516	3.467782259	0.258469313	271.880188	0.121104695	99.26547241	0.00102907	0.00102907	7.07334E-06	0.011960356	0.003859754	0.098543279	0.031102475	9.37743E-06	36.28252411	2.13425E-05	0.00249928	0.000314265
2037 Feb	626.0252686	2.134899139	3.464601278	0.258229464	271.6802979	0.121021114	99.19121552	0.001029584	0.001029584	7.0741E-06	0.011957888	0.003860278	0.098461442	0.031180324	9.37605E-06	36.33342361	2.13521E-05	0.002497978	0.00031574
2037 Mar	627.5252686	2.139720678	3.472289324	0.258800983	272.3102722	0.121304728	99.42053223	0.001032667	0.001032667	7.09378E-06	0.011989079	0.003871071	0.098684631	0.031307783	9.40081E-06	36.4601593	2.14154E-05	0.002504064	0.000317407
2037 Apr	632.3865356	2.156128168	3.498836756	0.260778785	274.4077759	0.122240804	100.1859207	0.00104102	0.00104102	7.15029E-06	0.012083411	0.003901943	0.099441804	0.031580541	9.47495E-06	36.7653389	2.15883E-05	0.00252352	0.000320388
2037 May	428.3534851	1.355992913	2.156327963	0.158569172	177.4879608	0.084205419	64.56100464	0.001103982	0.001103982	6.71639E-06	0.010504935	0.003245886	0.065559916	0.038985673	8.11437E-06	38.31476593	2.33638E-05	0.001739244	0.000504649
2037 Jun	191.6108246	0.625339091	0.924225628	0.034344152	70.0878067	0.046623047	25.18536568	0.001078073	0.001078073	5.96417E-06	0.008576138	0.002131857	0.04540066	0.033139411	6.04815E-06	29.96989059	2.75984E-05	0.000590816	0.000508157
2037 Jul	227.941452	0.8806656	1.323263764	0.036546983	87.1660614	0.063265115	31.48887253	0.00121759	0.00121759	6.94063E-06	0.009693174	0.002347722	0.066938892	0.030366428	6.86964E-06	29.1955986	3.14442E-05	0.000521021	0.000468008
2037 Aug	271.3279114	1.140559793	1.716485262	0.041348413	106.9603348	0.080824718	38.72649384	0.001312007	0.001312007	7.68136E-06	0.010376746	0.002634153	0.087259732	0.030512029	7.49884E-06	30.93104362	3.26743E-05	0.000504734	0.000473279
2037 Sep	285.3277283	1.26359129	1.874960184	0.041235704	114.1832352	0.090749539	41.4538269	0.001315973	0.001315973	7.81457E-06	0.010843939	0.002674006	0.096643046	0.028905636	7.55579E-06	30.72101402	3.25284E-05	0.000460836	0.000440478
2037 Oct	250.0838623	1.159191608	1.65692234	0.032923747	100.5430374	0.089063324	36.75171661	0.001197112	0.001197112	7.08547E-06	0.010787455	0.002338955	0.088015057	0.024228841	6.80171E-06	26.81898499	2.95404E-05	0.000351775	0.000341524
2037 Nov	245.6055756	1.144587755	1.625189781	0.031786382	98.71935272	0.089209951	36.12677765	0.001191394	0.001191394	7.03707E-06	0.010861709	0.002304092	0.08685296	0.023780433	6.75064E-06	26.45016098	2.92739E-05	0.000339301	0.000329531
2037 Dec	248.2514801	1.159764171	1.648129106	0.032161258	99.90838623	0.089921333	36.56019592	0.001193235	0.001193235	7.06172E-06	0.010903276	0.002318984	0.087945469	0.023826355	6.7703E-06	26.57092285	2.94678E-05	0.000340042	0.000331358
2038 Jan	248.1425323	1.158827662	1.646579862	0.032130007	99.84547424	0.089879319	36.53689957	0.00119338	0.00119338	7.0614E-06	0.010902417	0.002319341	0.087873995	0.023863304	6.77023E-06	26.59452248	2.94625E-05	0.000340292	0.000331928
2038 Feb	248.101944	1.158122659	1.645442724	0.03210805	99.80890656	0.089834161	36.52267075	0.001193475	0.001193475	7.06109E-06	0.010900222	0.002320334	0.087817885	0.023914818	6.77013E-06	26.62991333	2.94604E-05	0.000340711	0.000332826
2038 Mar	248.2161255	1.158374429	1.645726442	0.03211372	99.84379578	0.08985889	36.53497696	0.001194182	0.001194182	7.06481E-06	0.010905014	0.00232215	0.087835535	0.023956044	6.7738E-06	26.66383934	2.94754E-05	0.000341127	0.000333498
2038 Apr	250.1264496	1.167128563	1.658121228	0.032355655	100.6058884	0.090540946	36.81357956	0.001203463	0.001203463	7.11944E-06	0.010988813	0.002340451	0.088498488	0.024157731	6.82624E-06	26.88146782	2.97031E-05	0.000343901	0.000336362
2038 May	234.8847198	1.026383758	1.443671107	0.02826135	91.53812408	0.082382135	33.3914566	0.001239022	0.001239022	7.15157E-06	0.010830573	0.002391489	0.078449033	0.029223649	6.89694E-06	29.96175194	2.99457E-05	0.00038703	0.000420735
2038 Jun	121.3556213	0.298217714	0.383687973	0.007755545	37.33606339	0.036032513	13.27057457	0.001150746	0.001150746	5.99554E-06	0.008509853	0.001868378	0.027511293	0.033773251	5.92793E-06	28.99275208	2.64063E-05	0.0004054	0.000500427
2038 Jul	152.6809082	0.433763832	0.596732914	0.011427658	50.17162704	0.046670455	17.94763756	0.001361711	0.001361711	7.18776E-06	0.010202177	0.002131282	0.039487071	0.034476027	7.07758E-06	30.56757545	3.19551E-05	0.000432142	0.000501903
2038 Aug	196.8328705	0.660533547	0.941312313	0.017149568	70.84963226	0.064549483	25.51725388	0.001454254	0.001454254	7.87396E-06	0.010685986	0.002388458	0.057253174	0.033685707	7.69453E-06	31.73907471	3.12828E-05	0.000425623	0.000478592
2038 Sep	221.5997467	0.844160676	1.191660523	0.021098435	84.81396484	0.075526223	30.79628754	0.001347954	0.001347954	7.50604E-06	0.010706003	0.002347934	0.068951339	0.029053248	7.27499E-06	29.57115173	2.95977E-05	0.000372281	0.000400125
2038 Oct	217.5122375	0.873854399	1.202885509	0.021126777	85.01657867	0.078724086	31.08186722	0.001252625	0.001252625	7.03779E-06	0.01074192	0.002194698	0.06919124	0.025316462	6.80289E-06	26.99761009	2.78902E-05	0.000323265	0.000327842
2038 Nov	228.1742096	0.929542661	1.285276294	0.022488508	89.9092865	0.081486478	32.87528992	0.001256492	0.001256492	7.11057E-06	0.010903342	0.002246374	0.07311254	0.025334492	6.85928E-06	27.38381004	2.85218E-05	0.00032462	0.000330823
2038 Dec	230.840332	0.943197727	1.305954933	0.022830596	91.12658691	0.082102776	33.31919098	0.001257144	0.001257144	7.12724E-06	0.010933856	0.002259468	0.074086033	0.025351951	6.87184E-06	27.48540497	2.86787E-05	0.00032516	0.000332061
2039 Jan	231.611496	0.946802139	1.311398983	0.022920012	91.46673584	0.082244612	33.4424324	0.001257156	0.001257156	7.13079E-06	0.010939247	0.002264023	0.074336365	0.025394851	6.87433E-06	27.54117393	2.87209E-05	0.000325637	0.000333143
2039 Feb	232.0690613	0.948629379	1.314165831	0.022965075	91.65736389	0.082299151	33.51072311	0.001257147	0.001257147	7.13248E-06	0.010940113	0.002267453	0.074459285	0.02545283	6.87551E-06	27.59690285	2.87451E-05	0.000326211	0.000334399

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Mar	232.7925873	0.951554	1.318338037	0.023036264	91.94786835	0.082498521	33.61617661	0.001259766	0.001259766	7.14824E-06	0.010963338	0.002274008	0.074678004	0.025537541	6.89047E-06	27.68453407	2.88178E-05	0.000327203	0.000335776
2039 Apr	234.65271	0.959013999	1.328635693	0.023216236	92.67651367	0.083145797	33.88226318	0.001269846	0.001269846	7.20527E-06	0.011050219	0.002292586	0.075262055	0.025759261	6.94548E-06	27.91822815	2.9048E-05	0.000329969	0.000338778
2039 May	243.2580414	0.989679813	1.370705485	0.02395352	95.88499451	0.08578299	35.044487	0.001319197	0.001319197	7.47881E-06	0.011451371	0.002388297	0.077681936	0.027175415	7.21093E-06	29.2700901	3.02153E-05	0.000346663	0.000359868
2039 Jun	184.0303345	0.718108416	1.059406757	0.018551795	71.55104065	0.056723449	25.94365883	0.001148308	0.001148308	6.4168E-06	0.009664083	0.001766874	0.060638145	0.017109932	6.21392E-06	19.1577301	3.1107E-05	0.000276185	0.000233326
2039 Jul	113.5320816	0.383071065	0.57483089	0.0104994	41.50043106	0.047074508	15.15722466	0.001106735	0.001106735	5.8975E-06	0.007603542	0.001438906	0.03643097	0.014578861	5.78854E-06	14.45765114	2.05093E-05	0.000193991	0.000157685
2039 Aug	146.1704102	0.530797958	0.792583168	0.014197236	56.63082504	0.065862045	20.7807579	0.001205325	0.001205325	6.52958E-06	0.007297019	0.001769239	0.047487196	0.017176945	6.37912E-06	17.49537277	1.49056E-05	0.000185358	0.000177765
2039 Sep	197.6264038	0.786464572	1.145800829	0.020059124	79.44551849	0.078799173	29.11397743	0.001230321	0.001230321	6.88047E-06	0.008559768	0.002027977	0.065169021	0.018726587	6.66246E-06	20.80745697	1.9111E-05	0.000220367	0.000211606
2039 Oct	217.1532745	0.894886672	1.277051687	0.022199864	88.21954346	0.082886152	32.36974716	0.001196415	0.001196415	6.79509E-06	0.009290099	0.002085927	0.071531117	0.019191934	6.55193E-06	22.10571671	2.17149E-05	0.000234235	0.000224573
2039 Nov	231.243515	0.963714182	1.381247044	0.023930468	94.57073975	0.086103506	34.6827507	0.001205527	0.001205527	6.90729E-06	0.009477123	0.002160964	0.076487727	0.019430185	6.64419E-06	22.75181007	2.26061E-05	0.000239109	0.00023309
2039 Dec	232.9194489	0.971825898	1.393382549	0.024132583	95.31960297	0.086507522	34.95580292	0.00120719	0.00120719	6.92336E-06	0.009504996	0.002170384	0.077072591	0.019469332	6.65795E-06	22.83795357	2.27213E-05	0.000239816	0.000234169
2040 Jan	233.7358551	0.975444436	1.398844123	0.024222575	95.6827774	0.086646348	35.08742523	0.001207179	0.001207179	6.92669E-06	0.009511367	0.002174856	0.077325232	0.019503713	6.66031E-06	22.88985252	2.27682E-05	0.000240291	0.000235124
2040 Feb	234.4816895	0.978399873	1.403330803	0.024296459	96.01013184	0.086756542	35.20573425	0.00120729	0.00120729	6.92992E-06	0.009515788	0.002179313	0.077531755	0.019547978	6.66282E-06	22.94623375	2.2807E-05	0.000240845	0.000236217
2040 Mar	235.4594574	0.98240757	1.409234524	0.024396375	96.42472076	0.087020293	35.35675812	0.001210074	0.001210074	6.94749E-06	0.009539943	0.002186847	0.077832863	0.019615946	6.67934E-06	23.02994156	2.28815E-05	0.000241696	0.000237358
2040 Apr	237.7739868	0.992065549	1.423257113	0.024636906	97.38934326	0.087787621	35.70965576	0.001219796	0.001219796	7.00493E-06	0.009618988	0.002206655	0.078582875	0.019787051	6.73418E-06	23.23860168	2.30861E-05	0.000243846	0.000239685
2040 May	239.8066711	0.962302446	1.374239206	0.02382539	96.57305908	0.085314639	35.32929993	0.001259605	0.001259605	7.16916E-06	0.009826322	0.002319347	0.07634823	0.023821037	6.90961E-06	26.19399452	2.45208E-05	0.000286456	0.00031077
2040 Jun	100.957634	0.207746372	0.261016965	0.005189261	29.9559021	0.032598689	10.64446735	0.001127622	0.001127622	5.7934E-06	0.008146482	0.001639978	0.022019345	0.028423538	5.74777E-06	24.44864655	2.45418E-05	0.000349169	0.000400484
2040 Jul	178.2559662	0.551444173	0.802739978	0.01428289	65.79405212	0.050809786	23.73873901	0.001242221	0.001242221	6.693E-06	0.009338117	0.002007034	0.048357319	0.026033545	6.55859E-06	25.23271179	2.9533E-05	0.000347747	0.000376596
2040 Aug	262.8027344	0.922615945	1.373627543	0.023814324	105.0207825	0.073525675	38.08527374	0.001321548	0.001321548	7.43448E-06	0.009854298	0.002470801	0.075793661	0.026054155	7.20586E-06	28.10413551	3.04477E-05	0.000349705	0.000388808
2040 Sep	312.9858398	1.16252315	1.720819235	0.02955009	129.1858368	0.088008806	46.91643906	0.001289421	0.001289421	7.48368E-06	0.010004996	0.002650352	0.092977196	0.0245004	7.198E-06	29.16152191	2.95037E-05	0.000345182	0.000367508
2040 Oct	306.410553	1.147588849	1.671386242	0.028738961	126.4434738	0.089294516	46.02493286	0.001280338	0.001280338	7.40841E-06	0.010367861	0.002600957	0.090918809	0.024102993	7.13115E-06	28.86445618	2.9367E-05	0.000336908	0.000348935
2040 Nov	320.9925842	1.21173954	1.766619444	0.030321661	133.0612946	0.092447519	48.44229126	0.001288558	0.001288558	7.50708E-06	0.01056502	0.00267594	0.095471263	0.02429717	7.21403E-06	29.5183239	3.01823E-05	0.000341676	0.000356018
2040 Dec	324.0120239	1.224958181	1.786678433	0.030654166	134.4371948	0.093042605	48.9433403	0.00128953	0.00128953	7.52406E-06	0.010594459	0.002690951	0.096417472	0.024327386	7.22769E-06	29.64266396	3.03387E-05	0.000342582	0.000357571
2041 Jan	325.3680115	1.230672836	1.795346737	0.030797455	135.0401459	0.093298599	49.17581558	0.001289768	0.001289768	7.53082E-06	0.010605631	0.002698364	0.096847169	0.024362512	7.23292E-06	29.71540642	3.041E-05	0.000343177	0.000358724
2041 Feb	325.9173584	1.232751846	1.798474312	0.030849075	135.2696381	0.093396075	49.27147675	0.001290036	0.001290036	7.53435E-06	0.01061033	0.002702216	0.097016379	0.024403527	7.23585E-06	29.76499557	3.04428E-05	0.000343665	0.000359669
2041 Mar	326.8869934	1.236464262	1.803973556	0.030941911	135.6756134	0.093633235	49.42807388	0.001292464	0.001292464	7.55002E-06	0.010632325	0.002709584	0.097312875	0.024469556	7.25055E-06	29.84847069	3.05195E-05	0.000344565	0.000360873
2041 Apr	329.2644043	1.245555878	1.817338228	0.031169657	136.668869	0.09427768	49.79848862	0.001300441	0.001300441	7.59818E-06	0.01070023	0.002728427	0.098033026	0.024632948	7.29643E-06	30.05474472	3.07271E-05	0.000346879	0.000363489
2041 May	409.0510864	1.572659135	2.317726135	0.039459229	171.3557739	0.110218324	64.20668793	0.001333987	0.001333987	8.11252E-06	0.011470228	0.00319507	0.124979228	0.026663207	7.71566E-06	34.44509125	3.55185E-05	0.000384988	0.000431946
2041 Jun	205.7543488	0.707691729	1.048080206	0.018370369	80.10344696	0.059987601	30.70130539	0.001201297	0.001201297	6.67625E-06	0.009751944	0.001953719	0.063723117	0.018149527	6.49213E-06	20.97653198	3.11831E-05	0.000296374	0.000253689
2041 Jul	107.3499832	0.295497149	0.438216448	0.008263898	36.8291626	0.040823173	14.40906334	0.001151011	0.001151011	6.04166E-06	0.008459814	0.001403346	0.033144817	0.014618213	5.96293E-06	14.73173714	2.50289E-05	0.000231813	0.000161889
2041 Aug	188.3238068	0.619348645	0.928597987	0.01650759	71.73764801	0.063998468	28.91480064	0.001300399	0.001300399	7.12844E-06	0.009589756	0.001973375	0.060936872	0.017400231	6.95646E-06	19.85746384	2.8178E-05	0.000270335	0.000217245
2041 Sep	275.9681091	0.994816899	1.480368495	0.025638271	110.5786438	0.085855506	45.12015915	0.001307082	0.001307082	7.54581E-06	0.010331524	0.002456039	0.091331795	0.018831296	7.26847E-06	24.49138069	3.08847E-05	0.000300539	0.000266321
2041 Oct	301.79422	1.119631529	1.635839224	0.028178768	122.2470932	0.093504563	50.11736679	0.001266931	0.001266931	7.4551E-06	0.010771386	0.002578282	0.099762604	0.019508934	7.14757E-06	26.1973381	3.16631E-05	0.000304712	0.000281482
2041 Nov	320.7792969	1.199941516	1.754663944	0.030153459	130.5553741	0.097963966	53.57879639	0.001277991	0.001277991	7.59272E-06	0.011035883	0.002687942	0.106256716	0.019878764	7.26261E-06	27.19954491	3.27891E-05	0.000312257	0.000293444
2041 Dec	326.0771484	1.222305655	1.788719058	0.03071798	132.889801	0.099096164	54.54942703	0.001279754	0.001279754	7.6251E-06	0.011088908	0.002717055	0.108091123	0.019938568	7.28851E-06	27.43995857	3.30884E-05	0.000314038	0.000296561
2042 Jan	327.3164063	1.227326274	1.796289921	0.030843301	133.4227905	0.099352144	54.77558517	0.001280235	0.001280235	7.63286E-06	0.011101287	0.002724661	0.108508185	0.019982496	7.29481E-06	27.51839256	3.31603E-05	0.000314712	0.000297817
2042 Feb	327.7067261	1.228670239	1.798293471	0.030876145	133.5761261	0.099418901	54.84915924	0.001280329	0.001280329	7.63499E-06	0.01110374	0.002727839	0.108633682	0.020024391	7.29648E-06	27.56401634	3.31843E-05	0.00031517	0.00029875
2042 Mar	328.5834351	1.231973171	1.803218126	0.030958919	133.9350128	0.099637918	55.00875854	0.001282073	0.001282073	7.64739E-06	0.011121579	0.002734504	0.108934388	0.020075103	7.30787E-06	27.63565826	3.32546E-05	0.000315906	0.000299796
2042 Apr	335.5662231	1.258839369	1.843183756	0.031636294	136.8213806	0.101572104	56.25481415	0.001300853	0.001300853	7.77016E-06	0.011301229	0.0027873	0.111356825	0.020394029	7.42272E-06	28.14592171	3.38672E-05	0.000321289	0.000305729
2042 May	349.2518005	1.290799737	1.886909485	0.032389868	141.2874451	0.10404443	58.31224823	0.001362338	0.001362338	8.11463E-06	0.01175727	0.002964707	0.114667051	0.023757178	7.75702E-06	31.10963058	3.57791E-05	0.000358334	0.000364801
2042 Jun	162.5531006	0.505879521	0.731144369	0.01315056	59.25331116	0.053839657	24.2134304	0.001224366	0.001224366	6.62548E-06	0.009703665	0.00180361	0.051193874	0.018748265	6.48724E-06	20.17835236	2.96293E-05	0.000293213	0.000243174
2042 Jul	138.5548401	0.410486311	0.612303495	0.011183757	49.46678162	0.053948049	21.91184807	0.001191889	0.001191889	6.42019E-06	0.008463528	0.001700954	0.046447854	0.016127752	6.29374E-06	17.15304565	2.39794E-05	0.000229806	0.000191049
2042 Aug	177.6471863	0.57418704	0.835652888	0.014846252	66.96265411	0.072606653	30.42778015	0.00114884	0.00114884	6.39449E-06	0.007722445	0.001949476	0.062834807	0.017133815	6.21603E-06	20.41386223	1.72838E-05	0.000240604	0.000199293
2042 Sep	203.678299	0.686536849	0.971544385	0.017099237	77.84107971	0.081788555	35.58148956	0.001152543	0.001152543	6.52389E-06	0.008392186	0.002104879	0.072515488	0.018297149	6.315E-06	22.83906555	1.82907E-05	0.000264167	0.000216384
2042 Oct	221.4850006	0.774257481	1.070184469	0.018721519	85.28399658	0.086015746	39.22925949	0.001137222	0.001137222	6.52656E-06	0.009317858	0.002197003	0.078263	0.0189934	6.29591E-06	24.12202454	2.17648E-05	0.000270248	0.000233538
2042 Nov	245.6825104	0.872362852	1.21860671	0.021186668	95.52340698	0.091828026	44.08883286	0.00115013	0.00115013	6.70853E-06	0.009621546	0.002346601	0.087451346	0.019362058	6.44566E-06	25.38447571	2.33426E-05	0.000279948	0.000249656
2042 Dec	250.0106049	0.889990747	1.245454669	0.021631721	97.36315155	0.092836514	44.96287537	0.001151528	0.001151528	6.73677E-06	0.009667935	0.002372614	0.089102857	0.019412089	6.46806E-06	25.59745598	2.36122E-05	0.000281513	0.000252444
2043 Jan	251.8404388	0.897296488	1.256606221	0.021816036	98.13286591	0.093237624	45.33415985	0.001151764	0.001151764	6.74693E-06	0.009684307	0.002383949	0.089794762	0.019451354	6.47576E-06	25.70023155	2.37256E-05	0.00028232	0.000254039
2043 Feb	252.0639038	0.897960544	1.257583976	0.021832012	98.21378326	0.093271397	45.37701797	0.001151901	0.001151901	6.74854E-06	0.009686072	0.002386143	0.0898645	0.01948707	6.47711E-06	25.73504066	2.37431E-05	0.000282692	0.000254789
2043 Mar	252.218811	0.898393989	1.25815022	0.021841913	98.26815033	0.093317524	45.40096283	0.001152688	0.001152688	6.75291E-06	0.009691959	0.00238804	0.089906201	0.01951783	6.48137E-06	25.76393318	2.37595E-05	0.00028303	0.000255273
2043 Apr	255.8942413	0.911419451	1.276371241	0.02215825	99.69680786	0.094670191	46.06053162	0.001169505	0.001169505	6.85133E-06	0.009832985	0.00242307	0.091208912	0.019812692	6.57585E-06	26.1466217	2.41066E-05	0.000287244	0.000259181
2043 May	260.7024231	0.902786493	1.25838685	0.021892006	100.1566238	0.094522513	46.12726593	0.00123751	0.00123751	7.17807E-06	0.010250754	0.002562547	0.09062098	0.023687452	6.90623E-06	29.07772255	2.58231E-05	0.000327362	0.000323242
2043 Jun	119.6508484	0.250484854	0.313977271	0.006099155	36.26643372	0.039497297	15.39163303	0.001172405	0.001172405	6.10259E-06	0.008625829	0.001835738	0.029902626	0.030153073	6.03657E-06	26.91374588	2.57486E-05	0.000375008	0.000430993
2043 Jul	159.2175751	0.412811935	0.583392859	0.010729576	52.94695282	0.057725351	25.33446884	0.001313426	0.001313426	7.06342E-06	0.009430904	0.002142418	0.05037456	0.027253287	6.92722E-06	26.45306206	2.7652E-05	0.000345945	0.000381572
2043 Aug	204.1957397	0.593414664	0.853010893	0.015270795	71.8391571	0.076944545	35.75041199	0.001378568	0.001378568	7.63936E-06	0.009817461	0.00246008	0.07134483	0.026656978	7.43449E-06	28.4860096	2.693E-05	0.000351204	0.000369933
2043 Sep	263.2663269	0.8519786	1.23112309	0.021486262	97.33367157	0.09585575	49.94999313	0.001309463	0.001309463	7.64353E-06	0.010025896	0.002746383	0.098803513	0.024436034	7.34269E-06	30.05343628	2.76021E-05	0.000347119	0.000356979
2043 Oct	268.7700806	0.900416434	1.266679049	0.02205446	100.094017	0.099382587	51.70419312	0.001265112	0.001265112	7.45835E-06	0.010644879	0.002728781	0.101378433	0.023512751	7.14748E-06	29.86309052	2.89237E-05	0.000334129	0.000338251
2043 Nov	233.3061523	0.779152215	1.052845716	0.018507678	85.84783936	0.092289858	44.12080002	0.001235616	0.001235616	7.12028E-06	0.010743967	0.002469497	0.086555205	0.0226385	6.86171E-06	27.82039833	2.73602E-05	0.000312349	0.000299016
2043 Dec	233.9517975	0.781661749	1.056322813	0.01856642	86.10340118	0.092502587	44.25799561	0.001236916	0.001236916	7.12994E-06	0.010763356	0.002474536	0.086814389	0.022663875	6.8705E-06	27.86997414	2.74219E-05	0.000312777	0.000299509
2044 Jan	234.1678619	0.782221615	1.057047844	0.018578418	86.17467499	0.092537813	44.2964592	0.001237332	0.001237332	7.13275E-06	0.010767667	0.002477053	0.086873315	0.022711502	6.87311E-06	27.91353989	2.74428E-05	0.000313255	0.000300399
2044 Feb	234.6092224	0.783391297	1.058589339	0.01860502	86.32290649	0.092652649	44.3720665	0.001239177	0.001239177	7.14343E-06	0.010782212	0.002482459	0.087001741	0.022799965	6.88339E-06	27.99694061	2.74908E-05	0.000314214	0.000301893
2044 Mar	235.3080139	0.785534441	1.06141293	0.01865482	86.57116999	0.092908733	44.49628448	0.001242996	0.001242996	7.16504E-06	0.010813937	0.002490538	0.087235823	0.022899345	6.90431E-06	28.10201263	2.75743E-05	0.000315422	0.000303338
2044 Apr	237.0971832	0.79140085	1.069299221	0.018793521	87.22446442	0.093604043	44.83016205	0.001252519	0.001252519	7.2197E-06	0.010895942	0.002509859	0.087885089	0.023091076	6.95704E-06	28.32782173	2.77849E-05	0.000317973	0.00030595
2044 May	249.2895813	0.828407705	1.118697762	0.019666731	91.51914215	0.097998798	47.01131439	0.001321201	0.001321201	7.60768E-06	0.011466794	0.002650658	0.092045166	0.024769379	7.33279E-06	30.11976433	2.93529E-05	0.000339124	0.000330402
2044 Jun	102.2208176	0.239354715	0.318398476	0.006201151	31.19883156	0.040105443	15.39127636	0.001098128	0.001098128	5.7789E-06	0.008543237	0.001484532	0.033333208	0.018545991	5.69979E-06	18.18997955	2.53364E-05	0.000273026	0.000233637
2044 Jul	112.6832962	0.258606702	0.359805197	0.007048639	33.83628082	0.044509549	17.47020912	0.001268223	0.001268223	6.68185E-06	0.009756031	0.001641267	0.038869556	0.018767677	6.58834E-06	18.79747581	2.95396E-05	0.000292232	0.000228413
2044 Aug	155.5877228	0.387689233	0.547252893	0.01036259	48.78711319	0.061074503	26.11422729	0.001509282	0.001509282	8.0784E-06	0.011495848	0.002115009	0.056333452	0.022537073	7.93241E-06	23.68658829	3.39505E-05	0.000348565	0.000278987
2044 Sep	159.0150452	0.441408157	0.589901268	0.010891606	52.32172394	0.068113461	28.83093834	0.001283426	0.001283426	7.00865E-06	0.009898775	0.00201425	0.060076304	0.020233868	6.84632E-06	22.89203835	2.49206E-05	0.000298886	0.000236644
2044 Oct	179.2636871	0.535968184	0.701334715	0.012694728	60.52693176	0.074603558	34.07607651	0.001227653	0.001227653	6.84954E-06	0.010281956	0.002121341	0.068785697	0.020288436	6.65435E-06	24.03818703	2.58748E-05	0.000292709	0.000244896
2044 Nov	187.4258118	0.567947924	0.743713319	0.013400474	63.64243317	0.07712134	35.99944687	0.001231476	0.001231476	6.91307E-06	0.010479747	0.002181135	0.072269626	0.02053087	6.70569E-06	24.6330719	2.6504E-05	0.000295832	0.000250946
2044 Dec	190.4276581	0.578904331	0.760300338	0.013675827	64.78543854	0.077851832	36.70662689	0.001232754	0.001232754	6.93662E-06	0.010518597	0.002202337	0.073605634	0.02057427	6.72453E-06	24.80804634	2.67223E-05	0.00029712	0.000253211
2045 Jan	190.9820557	0.580739439	0.763052285	0.013721101	64.98422241	0.07795909	36.83544159	0.001232774	0.001232774	6.93977E-06	0.010523523	0.002206678	0.073838562	0.020604586	6.72684E-06	24.85597992	2.67608E-05	0.000297528	0.000254071
2045 Feb	191.0732117	0.580858171	0.763199091	0.013723231	65.0087738	0.077954106	36.84902573	0.001232807	0.001232807	6.94014E-06	0.010523092	0.002208009	0.073851943	0.020639934	6.72715E-06	24.88458252	2.67671E-05	0.000297851	0.000254755
2045 Mar	191.4680939	0.581954896	0.76459682	0.013748466	65.13896942	0.078102238	36.92006302	0.001235378	0.001235378	6.95441E-06	0.010544158	0.002212951	0.073988251	0.020701617	6.74103E-06	24.94895363	2.68223E-05	0.000298625	0.000255619
2045 Apr	192.907135	0.586269259	0.770240307	0.013850003	65.62615204	0.078681789	37.19461441	0.001244676	0.001244676	7.00663E-06	0.010623015	0.002229801	0.074534968	0.020868124	6.79168E-06	25.1438942	2.70239E-05	0.000300961	0.000257733
2045 May	202.5711823	0.615610421	0.808777273	0.014542998	68.91259766	0.082620248	39.05651474	0.001307053	0.001307053	7.3577E-06	0.011155134	0.002341615	0.078264609	0.021918658	7.13199E-06	26.40699768	2.8378E-05	0.000316083	0.000270733
2045 Jun	202.8068542	0.585186481	0.838501096	0.014914661	66.10534668	0.066997662	41.54481506	0.001184488	0.001184488	6.85446E-06	0.010344491	0.00220318	0.084309891	0.016929884	6.59712E-06	22.44910431	3.31348E-05	0.000294903	0.000248476
2045 Jul	166.2262421	0.43330577	0.632965446	0.01160985	51.31658173	0.057256971	32.40362549	0.001290074	0.001290074	7.16663E-06	0.010490771	0.002010437	0.068084925	0.016693641	6.96858E-06	20.22554779	3.36071E-05	0.000291579	0.000223694
2045 Aug	194.817337	0.51639545	0.752105594	0.013693141	60.9921608	0.069417916	38.8116684	0.001413888	0.001413888	7.92812E-06	0.011162701	0.002326855	0.08063776	0.018972145	7.69058E-06	23.44477844	3.40903E-05	0.000318059	0.000252812
2045 Sep	196.810791	0.535995066	0.753885746	0.013667569	62.3132019	0.073570281	39.66570663	0.001345881	0.001345881	7.59732E-06	0.010733079	0.002323437	0.081436172	0.019334884	7.35712E-06	24.1813488	3.03688E-05	0.00030989	0.000250251
2045 Oct	231.2660217	0.655429304	0.923773885	0.016488945	74.43681335	0.082250133	48.16886902	0.001358076	0.001358076	7.86049E-06	0.011313864	0.002581756	0.09720239	0.020148043	7.56426E-06	26.56002808	3.28789E-05	0.000325285	0.000278897
2045 Nov	241.911438	0.690494597	0.976785898	0.017374946	78.13639832	0.084771544	50.75997162	0.001368899	0.001368899	7.97719E-06	0.011492877	0.002664655	0.102134988	0.020379964	7.66362E-06	27.26305008	3.37656E-05	0.000331131	0.000287779
2045 Dec	246.3322296	0.705275893	0.999243319	0.017748192	79.68466187	0.085765839	51.85211945	0.001371152	0.001371152	8.01501E-06	0.011552687	0.002697533	0.104202479	0.02044682	7.69408E-06	27.53310394	3.41066E-05	0.000333164	0.000291299
2046 Jan	247.0276794	0.707537055	1.002626657	0.017804256	79.92591858	0.085913718	52.01942825	0.001371471	0.001371471	8.0206E-06	0.011561565	0.002703	0.104512356	0.020474045	7.69856E-06	27.58710098	3.41589E-05	0.000333612	0.000292141

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Feb	247.0952759	0.707621038	1.002690673	0.017805517	79.94391632	0.085925631	52.02679062	0.001371923	0.001371923	8.02291E-06	0.011564402	0.00270421	0.10452015	0.020502929	7.70086E-06	27.61056519	3.41683E-05	0.000333897	0.000292617
2046 Mar	248.0115509	0.710185051	1.006293654	0.017869564	80.2382431	0.086237907	52.21595383	0.001377052	0.001377052	8.05273E-06	0.011607106	0.002714495	0.104896337	0.020591708	7.72953E-06	27.72166824	3.4295E-05	0.000335242	0.000293919
2046 Apr	252.6806641	0.723666072	1.025612712	0.01820902	81.74742126	0.087760597	53.22930908	0.001399542	0.001399542	8.18816E-06	0.011802696	0.00276353	0.106909737	0.020939657	7.85858E-06	28.21484756	3.49009E-05	0.000341011	0.00029933
2046 May	268.3374329	0.763242185	1.08154273	0.019183701	86.52417755	0.091724224	56.45823669	0.001466573	0.001466573	8.59356E-06	0.012373648	0.002941323	0.112952106	0.022972148	8.24441E-06	30.45084572	3.69483E-05	0.000367477	0.000334938
2046 Jun	155.7836151	0.379389226	0.543615639	0.01002792	45.91568375	0.05138303	30.48443413	0.001195577	0.001195577	6.64223E-06	0.009734066	0.001932188	0.063330919	0.017833689	6.4575E-06	20.74058914	3.12003E-05	0.000295472	0.000249013
2046 Jul	84.13108063	0.151716888	0.21558474	0.004568899	21.70185661	0.035300367	13.47243309	0.001136772	0.001136772	5.94835E-06	0.008470895	0.001356078	0.03146188	0.014416784	5.87469E-06	14.47087955	2.53524E-05	0.000234488	0.000159567
2046 Aug	122.8503418	0.260345131	0.370859563	0.007252663	34.03454971	0.049736384	22.76654434	0.001263142	0.001263142	6.79178E-06	0.009256506	0.001756935	0.049510963	0.016875066	6.65891E-06	18.4702816	2.62668E-05	0.000266397	0.000196304
2046 Sep	166.5680847	0.418005794	0.564278662	0.010382807	49.18758774	0.064538226	34.61825943	0.001175705	0.001175705	6.62552E-06	0.009247587	0.002056413	0.070720144	0.017840484	6.41675E-06	22.06154251	2.4125E-05	0.000272503	0.000222483
2046 Oct	201.5114136	0.545697927	0.717395842	0.012894559	60.80578232	0.07374496	43.81230927	0.001144796	0.001144796	6.68203E-06	0.01010358	0.002306344	0.086720757	0.018878492	6.4142E-06	24.80450058	2.69731E-05	0.000281726	0.000253122
2046 Nov	237.2618561	0.658056915	0.884123862	0.01565692	72.36304474	0.081193402	53.1288681	0.001150855	0.001150855	6.93834E-06	0.01059431	0.002576386	0.104168795	0.019383695	6.60729E-06	27.06153107	2.97667E-05	0.000296667	0.000282472
2046 Dec	244.1593018	0.679321051	0.91647321	0.016193619	74.5848999	0.082592845	54.92290878	0.001153033	0.001153033	6.993E-06	0.010681833	0.002628932	0.107556641	0.019471738	6.64972E-06	27.48705292	3.03049E-05	0.000299703	0.000288106
2047 Jan	245.0161896	0.681851745	0.920266807	0.016256381	74.85778046	0.082752705	55.13731766	0.001153363	0.001153363	6.99977E-06	0.010692313	0.002635977	0.107951857	0.019509925	6.65505E-06	27.55839157	3.03722E-05	0.000300305	0.000289272
2047 Feb	245.095047	0.68190217	0.920252383	0.016256319	74.87725067	0.082761362	55.14278412	0.001153927	0.001153927	7.00254E-06	0.010695469	0.002637594	0.107951649	0.019553874	6.65783E-06	27.59274292	3.03832E-05	0.000300724	0.000290002
2047 Mar	246.6989594	0.686271667	0.926103473	0.016359787	75.36470795	0.0832932	55.49685287	0.001161587	0.001161587	7.04866E-06	0.010765326	0.002655279	0.108638838	0.019702578	6.70177E-06	27.78734398	3.05828E-05	0.00030287	0.00029225
2047 Apr	248.7427063	0.69190371	0.933677614	0.016493648	75.98760986	0.083977632	55.95272446	0.001171273	0.001171273	7.10723E-06	0.010854433	0.00267752	0.109527797	0.019877693	6.7575E-06	28.02558899	3.08365E-05	0.000305481	0.000294872
2047 May	255.9798431	0.687105954	0.92618078	0.016363192	77.13546753	0.0822284	56.56249237	0.00120814	0.00120814	7.29237E-06	0.011006299	0.002826378	0.109575845	0.02415731	6.94212E-06	31.28826523	3.23881E-05	0.00034855	0.000374363
2047 Jun	153.0466614	0.292356282	0.368932188	0.00694949	41.1684494	0.041822132	26.59907722	0.001135461	0.001135461	6.18257E-06	0.008818116	0.002196875	0.049576432	0.033035066	6.04067E-06	31.23245621	2.8497E-05	0.000408092	0.00051445
2047 Jul	177.1130066	0.345415562	0.456755668	0.008609142	47.29245758	0.050491016	32.3772316	0.001348785	0.001348785	7.389E-06	0.010476358	0.002488264	0.062319703	0.033594064	7.20756E-06	32.90639496	3.39119E-05	0.000434737	0.000515329
2047 Aug	208.0305939	0.425193489	0.572063148	0.010650549	56.29402161	0.0629097	40.19104767	0.001485366	0.001485366	8.25297E-06	0.011361245	0.002819345	0.078141868	0.034850691	8.02038E-06	35.7167778	3.51853E-05	0.000458201	0.000528209
2047 Sep	212.1402588	0.48223725	0.639853835	0.0116873	58.8176651	0.070145696	44.69971848	0.001313998	0.001313998	7.52442E-06	0.010484249	0.002657688	0.087676182	0.0275137	7.25534E-06	31.46566391	2.95701E-05	0.000378808	0.000403059
2047 Oct	240.9360504	0.594211578	0.782353342	0.014000257	67.86891174	0.077459812	53.99979019	0.001229809	0.001229809	7.33435E-06	0.010940875	0.002787826	0.10473571	0.024915228	6.99999E-06	31.42757034	3.13968E-05	0.000353495	0.000377597
2047 Nov	257.5495911	0.646724284	0.85586834	0.015215861	72.85652924	0.081140801	58.73913193	0.001223067	0.001223067	7.41634E-06	0.011220557	0.002904843	0.113598146	0.024660606	7.0493E-06	32.20748901	3.27121E-05	0.00035474	0.000382682
2047 Dec	263.3872681	0.663166642	0.880807936	0.015629971	74.57424927	0.082237758	60.32090378	0.001225114	0.001225114	7.46517E-06	0.011298953	0.002951201	0.11658401	0.024739431	7.08724E-06	32.58426666	3.31883E-05	0.000357418	0.000387653
2048 Jan	265.2080994	0.668181777	0.88836509	0.015755402	75.10791779	0.082569443	60.80408478	0.001225949	0.001225949	7.48102E-06	0.011323603	0.002966256	0.117487431	0.02479296	7.09979E-06	32.72132111	3.33381E-05	0.000358502	0.00038968
2048 Feb	265.4592896	0.668659568	0.888913512	0.015765337	75.17626953	0.082631245	60.84812546	0.00122733	0.00122733	7.48872E-06	0.011334158	0.002969848	0.117561154	0.024855347	7.10727E-06	32.77849197	3.33709E-05	0.000359175	0.000390701
2048 Mar	265.4872437	0.668646157	0.888848722	0.015764302	75.18267059	0.082631074	60.8472023	0.001227578	0.001227578	7.48984E-06	0.011335261	0.002970584	0.117553227	0.024879001	7.10842E-06	32.7960968	3.33751E-05	0.000359393	0.000391094
2048 Apr	268.9324341	0.676893532	0.899674773	0.015955936	76.14733124	0.083626047	61.60962296	0.001243196	0.001243196	7.58449E-06	0.011475463	0.003010702	0.118991181	0.025294779	7.19839E-06	33.28352737	3.38026E-05	0.000364809	0.000397891
2048 May	284.4644165	0.715766728	0.951318681	0.016871298	80.53795624	0.088403381	65.15844727	0.00131448	0.00131448	8.0196E-06	0.012132267	0.003185132	0.125826567	0.026796136	7.6113E-06	35.23238373	3.57491E-05	0.00038619	0.0004217
2048 Jun	139.5334473	0.299823165	0.395864069	0.007563666	36.73083496	0.048484523	28.14961815	0.00116233	0.00116233	6.41004E-06	0.009621911	0.001850909	0.058181733	0.018000321	6.24116E-06	20.57264328	2.8859E-05	0.000284073	0.000237194
2048 Jul	79.86457825	0.118901536	0.158177882	0.003662605	18.31235504	0.035003029	12.76157379	0.001182126	0.001182126	6.15283E-06	0.008813909	0.001376282	0.030228961	0.015045567	6.08426E-06	14.88758183	2.57542E-05	0.000240745	0.000160698
2048 Aug	136.4085693	0.260470808	0.361023515	0.00708095	34.05999756	0.053026285	28.43418694	0.001246722	0.001246722	6.84289E-06	0.00908565	0.001922105	0.059865974	0.017293029	6.66962E-06	20.05120468	2.4658E-05	0.00026599	0.000207762
2048 Sep	185.7042389	0.403118908	0.542479813	0.010048858	47.97778702	0.065430768	42.47057343	0.001203654	0.001203654	6.95673E-06	0.009549646	0.002304895	0.085602432	0.018414196	6.68957E-06	24.09102249	2.56601E-05	0.000284639	0.000246734
2048 Oct	206.0976868	0.473954886	0.615930438	0.011231211	53.81022644	0.070010945	48.36693954	0.001160904	0.001160904	6.87736E-06	0.010136848	0.002445197	0.095529862	0.018977946	6.57186E-06	25.78162193	2.76681E-05	0.000287729	0.000265988
2048 Nov	214.1958313	0.498763174	0.642770052	0.011683637	56.05486679	0.072266333	50.52728653	0.001168569	0.001168569	6.96406E-06	0.010451825	0.002516983	0.099357389	0.019434048	6.64477E-06	26.61045074	2.85994E-05	0.000292981	0.000274869
2048 Dec	215.6584778	0.502503633	0.64818418	0.011774778	56.44609451	0.072567798	50.92661667	0.001170362	0.001170362	6.9826E-06	0.010482795	0.002529919	0.100112401	0.01947674	6.66059E-06	26.72543716	2.87376E-05	0.000293903	0.00027628
2049 Jan	215.6290741	0.502330661	0.647799432	0.011768503	56.43770218	0.072561108	50.90438461	0.001170751	0.001170751	6.98384E-06	0.010484665	0.002530452	0.100060269	0.019512419	6.66202E-06	26.74812317	2.87393E-05	0.0002942	0.000276802
2049 Feb	215.6526947	0.502241731	0.647597075	0.011765035	56.44308853	0.072549306	50.89504623	0.001171029	0.001171029	6.98483E-06	0.010485043	0.002531495	0.100029685	0.019555714	6.66313E-06	26.7784729	2.8743E-05	0.00029458	0.000277534
2049 Mar	216.1750031	0.503379583	0.64901638	0.011790934	56.57936096	0.072714239	51.0101738	0.001173948	0.001173948	7.00187E-06	0.010510018	0.002538046	0.100249268	0.019625554	6.67947E-06	26.85830688	2.88129E-05	0.000295484	0.00027859
2049 Apr	218.9603119	0.509820104	0.657292664	0.011941358	57.3081131	0.073644914	51.66272354	0.001189121	0.001189121	7.09216E-06	0.010645192	0.002570988	0.101527862	0.019891363	6.76565E-06	27.21298599	2.91843E-05	0.000299401	0.000282401
2049 May	229.0608826	0.529343128	0.681248367	0.012386438	59.86408997	0.076527581	53.716465	0.001252204	0.001252204	7.4494E-06	0.011158349	0.002707612	0.105370626	0.021671431	7.11096E-06	29.03792953	3.07354E-05	0.000321416	0.000310158
2049 Jun	100.1303024	0.172587767	0.218300387	0.004585173	23.44038773	0.037503224	18.60289764	0.001113653	0.001113653	5.94472E-06	0.008838531	0.001516129	0.040399574	0.01619627	5.83739E-06	17.15190506	2.62357E-05	0.000257747	0.000196152
2049 Jul	97.29431152	0.150499701	0.207203507	0.004454472	21.67672157	0.03766669	18.57401085	0.001160388	0.001160388	6.18643E-06	0.008701025	0.001536608	0.040739875	0.015235659	6.07624E-06	16.10012245	2.58128E-05	0.000239627	0.000178209
2049 Aug	141.2512054	0.23987411	0.335849196	0.006769171	32.36062241	0.051681161	29.83642387	0.001367647	0.001367647	7.48116E-06	0.010187062	0.002056648	0.062797017	0.018560492	7.29668E-06	21.08759689	2.96535E-05	0.000286843	0.000230359
2049 Sep	173.1151581	0.339614034	0.440742105	0.008420813	41.19293594	0.061142724	39.61297226	0.001264418	0.001264418	7.1883E-06	0.010177634	0.002272062	0.080050722	0.019097069	6.93949E-06	23.91730118	2.79581E-05	0.000289636	0.000249694
2049 Oct	193.9767609	0.409830481	0.509532094	0.009506574	46.8370018	0.06605047	45.98851776	0.001198433	0.001198433	7.00361E-06	0.010587247	0.002408814	0.090795077	0.019515462	6.71298E-06	25.6670723	2.90173E-05	0.000290092	0.000266783
2049 Nov	235.4900665	0.50899756	0.655506492	0.011923198	56.99568176	0.072674684	58.1466217	0.00120138	0.00120138	7.3146E-06	0.011167224	0.002754414	0.113564052	0.020064758	6.93879E-06	28.53707504	3.25176E-05	0.000308519	0.000304338
2049 Dec	240.9753723	0.521752	0.674765885	0.012243487	58.32921219	0.073545665	59.74269867	0.001203508	0.001203508	7.36423E-06	0.011246577	0.002801114	0.116574436	0.02014493	6.97721E-06	28.91859627	3.29983E-05	0.00031121	0.000309381
2050 Jan	241.2945251	0.522412837	0.675646782	0.012258353	58.4080162	0.073599897	59.82104111	0.001204116	0.001204116	7.36902E-06	0.01125384	0.002804604	0.116713628	0.02018426	6.9815E-06	28.964468	3.30302E-05	0.000311671	0.00031018
2050 Feb	241.3070374	0.522323132	0.675450146	0.012254977	58.41212082	0.073588505	59.80939865	0.001204356	0.001204356	7.36978E-06	0.0112539	0.002805463	0.116679817	0.020223638	6.98238E-06	28.99145889	3.30321E-05	0.000312013	0.00031084
2050 Mar	241.4054871	0.52247256	0.675599456	0.012257789	58.43653488	0.073610239	59.82575989	0.001204945	0.001204945	7.37299E-06	0.011258206	0.002806996	0.116705693	0.020252787	6.98552E-06	29.0171833	3.30457E-05	0.000312318	0.000311318
2050 Apr	243.6952362	0.527391613	0.681935012	0.012372798	58.99114609	0.074303672	60.38859558	0.001216429	0.001216429	7.44304E-06	0.011364828	0.002833843	0.117800176	0.020456884	7.05194E-06	29.30039406	3.33591E-05	0.000315382	0.000314472
2050 May	253.7412872	0.547234356	0.706974447	0.012832042	61.39887238	0.077132784	62.69598007	0.001271138	0.001271138	7.76662E-06	0.011844935	0.002960045	0.122202039	0.021753166	7.36112E-06	30.80724144	3.48294E-05	0.000332695	0.000335059
2050 Jun	105.0925674	0.16381152	0.200157136	0.004282611	23.39385605	0.036414165	19.47689819	0.001136729	0.001136729	6.07106E-06	0.009008315	0.001625615	0.041182868	0.019003911	5.95964E-06	19.39463806	2.73011E-05	0.000284202	0.000247658
2050 Jul	81.85469055	0.104483142	0.141006529	0.003324079	17.11334991	0.035710782	14.95625687	0.001119595	0.001119595	5.89339E-06	0.007890378	0.00143445	0.033029027	0.015224106	5.80794E-06	15.13353443	2.19767E-05	0.000215859	0.000170003
2050 Aug	122.5695801	0.182446048	0.256934851	0.005370778	26.35167313	0.048510175	26.50009727	0.001256968	0.001256968	6.85026E-06	0.008684132	0.001912847	0.054871075	0.017625161	6.68644E-06	19.25099945	2.34599E-05	0.000238202	0.000212843
2050 Sep	148.422821	0.254187435	0.328165412	0.00652683	32.84545898	0.056034029	34.0360527	0.001226593	0.001226593	6.86848E-06	0.009125984	0.002106657	0.068897314	0.018456345	6.65526E-06	21.95585442	2.3622E-05	0.000257641	0.000230471
2050 Oct	178.0330353	0.321635306	0.41590628	0.008004108	39.53874588	0.061761931	42.62865829	0.001254083	0.001254083	7.20971E-06	0.009874252	0.002375463	0.084938563	0.019428002	6.93736E-06	24.53471947	2.6635E-05	0.000277278	0.000260456
2050 Nov	199.4715424	0.366164684	0.483115613	0.009129128	44.24966431	0.065054454	49.00391388	0.001269709	0.001269709	7.44325E-06	0.010227886	0.0025683	0.096994653	0.019835735	7.12582E-06	26.1294167	2.86265E-05	0.000289082	0.00028131
2050 Dec	202.7391968	0.373013616	0.493381768	0.009300609	44.968853	0.065550588	49.97834015	0.001271673	0.001271673	7.47683E-06	0.010280791	0.002597393	0.098834135	0.019894216	7.15251E-06	26.3708992	2.89278E-05	0.000290832	0.000284461
2051 Jan	204.2845001	0.376137674	0.498098791	0.009378725	45.29874802	0.065751135	50.44456482	0.001271963	0.001271963	7.48966E-06	0.010301236	0.002611025	0.099707484	0.019925101	7.16203E-06	26.48745346	2.90651E-05	0.000291665	0.000286135
2051 Feb	204.4902039	0.376483083	0.498585582	0.009386831	45.34158325	0.065774322	50.49962234	0.001272211	0.001272211	7.49217E-06	0.010304635	0.002613251	0.099805832	0.019947682	7.16416E-06	26.51548195	2.9085E-05	0.00029194	0.000286648
2051 Mar	204.8097534	0.377048582	0.499312758	0.009400567	45.41321182	0.065872729	50.5746994	0.001274216	0.001274216	7.50383E-06	0.010320512	0.002617494	0.09995126	0.019988554	7.17535E-06	26.56336212	2.91303E-05	0.000292478	0.000287262
2051 Apr	207.6667786	0.382295102	0.506247997	0.009531164	46.04715347	0.066778098	51.27798843	0.001292001	0.001292001	7.60848E-06	0.010464349	0.002654099	0.101339467	0.020272989	7.27544E-06	26.9376297	2.95367E-05	0.000296606	0.000291365
2051 May	235.9499207	0.430508643	0.579715371	0.010801522	52.09973907	0.070248932	59.47941589	0.001319937	0.001319172	7.9367E-06	0.010917135	0.002932761	0.116259582	0.021957804	7.5759E-06	29.79024506	3.24821E-05	0.000326155	0.000339166
2051 Jun	155.4322357	0.232324377	0.358910829	0.007881212	44.39360809	0.048020389	39.57382965	0.000917824	0.000891806	5.24766E-06	0.006410727	0.001931738	0.069671147	0.016520692	5.8122E-06	19.52669716	2.36692E-05	0.000318149	0.000256559
2051 Jul	149.936615	0.218897983	0.347897083	0.007901787	44.97732544	0.049448203	38.63835144	0.000928033	0.00089523	5.22372E-06	0.006264975	0.001877454	0.067045949	0.015404656	5.94887E-06	18.20636749	2.3256E-05	0.00032194	0.000228646
2051 Aug	153.2271881	0.224308506	0.355290174	0.008039372	45.64112854	0.050553281	39.49407196	0.00094719	0.000914436	5.3393E-06	0.006398051	0.001920248	0.068753749	0.015704175	6.0573E-06	18.63037682	2.35611E-05	0.000325971	0.000232884
2051 Sep	151.6897125	0.223301023	0.351328403	0.007941376	45.0868187	0.050365355	39.29600525	0.000931737	0.000897729	5.24941E-06	0.006337149	0.001906142	0.068393409	0.015453334	5.97141E-06	18.41110039	2.32137E-05	0.000323233	0.000227703
2051 Oct	146.9096069	0.217467159	0.340204865	0.007725575	44.04138565	0.049845882	38.47685242	0.000900149	0.00086157	5.04246E-06	0.006142483	0.001860449	0.066589184	0.014824339	5.80054E-06	17.7182312	2.23913E-05	0.000318067	0.000214412
2051 Nov	147.6058655	0.218879923	0.34211722	0.007760246	44.20766068	0.050036937	38.705616	0.000901405	0.000862439	5.05163E-06	0.006159671	0.001868059	0.066997133	0.014838833	5.81117E-06	17.77253914	2.24556E-05	0.000318793	0.000214776
2051 Dec	147.8332825	0.219296217	0.34274888	0.007771255	44.2563858	0.050073881	38.7743187	0.000901685	0.000862709	5.05461E-06	0.006163953	0.001870224	0.067125127	0.014845058	5.81391E-06	17.7907505	2.24787E-05	0.000318965	0.000215014
2052 Jan	147.8456879	0.219317764	0.342776686	0.00777175	44.25909042	0.050076373	38.77751923	0.000901724	0.000862747	5.05487E-06	0.006164343	0.001870369	0.067130938	0.014846487	5.81416E-06	17.79250145	2.24801E-05	0.000318984	0.000215041
2052 Feb	147.8757477	0.219360873	0.342841268	0.007773216	44.26797485	0.050086055	38.78496552	0.000901909	0.000862925	5.0559E-06	0.006165595	0.001870766	0.067143574	0.014850507	5.81533E-06	17.79681206	2.24847E-05	0.000319056	0.000215102
2052 Mar	148.0159607	0.219568059	0.34316355	0.007780525	44.30988693	0.050133277	38.82150269	0.000902765	0.000863745	5.0607E-06	0.006171439	0.001872549	0.067206688	0.014865132	5.82084E-06	17.81406212	2.2506E-05	0.000319362	0.000215315
2052 Apr	148.3175964	0.220015064	0.343861312	0.007796347	44.40014648	0.050235294	38.90048218	0.000904606	0.000865506	5.07101E-06	0.00618437	0.00187637	0.067343347	0.014895728	5.8327E-06	17.85057449	2.25518E-05	0.000320015	0.000215759
2052 May	149.1439362	0.220774934	0.344455808	0.007812204	44.59461594	0.050426651	39.00795746	0.000912566	0.000873396	5.11166E-06	0.006237956	0.001891645	0.067505084	0.015203694	5.87377E-06	18.10780144	2.27292E-05	0.000323503	0.000220575
2052 Jun	144.1290131	0.209306806	0.326882511	0.007484879	43.23954391	0.049236801	37.31557083	0.000919055	0.000877578	5.08954E-06	0.006216467	0.00186653	0.064331405	0.015665179	5.85073E-06	18.13350677	2.25366E-05	0.000326455	0.000225022
2052 Jul	147.5261688	0.213815764	0.334112257	0.007638218	44.01628494	0.05036686	38.24497223	0.000942639	0.000900219	5.22209E-06	0.006372764	0.001914201	0.066057511	0.015986163	5.98943E-06	18.54487038	2.30431E-05	0.000332296	0.000229557
2052 Aug	151.2617645	0.219359323	0.342375845	0.007809975	44.93220901	0.0515205	39.24802017	0.000963257	0.000920282	5.3435E-06	0.006518824	0.001961404	0.067899793	0.016329626	6.11743E-06	18.9977951	2.35249E-05	0.00033861	0.00023486
2052 Sep	151.753952	0.220575601	0.342912346	0.007801358	44.81855392	0.05154958	39.42617798	0.000961788	0.000919078	5.34294E-06	0.006538802	0.001966606	0.068338186	0.016319755	6.10512E-06	19.05693626	2.35269E-05	0.000337777	0.000234987
2052 Oct	153.3991089	0.223504558	0.346612781	0.00785997	45.05463028	0.05182448	39.99621201	0.000962387	0.000919038	5.35531E-06	0.006580225	0.001985521	0.069401599	0.016358258	6.11773E-06	19.19836807	2.37128E-05	0.000339471	0.000236352
2052 Nov	154.1879578	0.22475338	0.3485246	0.007896986	45.23936462	0.052000631	40.22566223	0.000964881	0.000921419	5.37229E-06	0.006602422	0.001994184	0.069818594	0.016404111	6.13571E-06	19.27600861	2.38099E-05	0.000340524	0.00023734
2052 Dec	154.4453125	0.225181848	0.349177718	0.007908351	45.28956604	0.052038193	40.30551529	0.000965162	0.000921689	5.37554E-06	0.006607091	0.001996663	0.069967419	0.016410733	6.13865E-06	19.2967186	2.38361E-05	0.000340714	0.000237614

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Jan	154.5182648	0.225298762	0.349354178	0.00791146	45.30377197	0.052049194	40.32786942	0.000965263	0.000921787	5.37656E-06	0.006608526	0.001997391	0.070008874	0.016413428	6.1396E-06	19.30314445	2.38438E-05	0.000340777	0.000237703
2053 Feb	154.58255	0.225392282	0.349497199	0.007914522	45.3208847	0.052067507	40.34519577	0.000965589	0.000922098	5.37847E-06	0.006610898	0.001998185	0.070039369	0.016419696	6.14172E-06	19.31097031	2.38529E-05	0.000340901	0.000237806
2053 Mar	154.7754211	0.225673005	0.349931449	0.007924357	45.37739182	0.05213229	40.3953743	0.000966794	0.000923249	5.38518E-06	0.006619145	0.002000684	0.070126399	0.016440539	6.14938E-06	19.33530998	2.38827E-05	0.000341329	0.000238109
2053 Apr	155.3764343	0.226549014	0.351289272	0.007955105	45.55358124	0.052334625	40.55214691	0.000970548	0.000926835	5.40609E-06	0.006644847	0.002008456	0.070398502	0.016504584	6.17326E-06	19.410532	2.39754E-05	0.000342656	0.000239037
2053 May	159.4673767	0.231232747	0.357282966	0.008043681	46.07766724	0.052570302	41.74452591	0.000976614	0.000931614	5.45547E-06	0.006739354	0.002063911	0.072530657	0.017094793	6.21863E-06	20.08722878	2.4518E-05	0.000350901	0.000251561
2053 Jun	148.7425842	0.210449308	0.326793432	0.00742701	43.16023636	0.049431436	38.83572769	0.000943982	0.000892056	5.1844E-06	0.006403849	0.00198232	0.06696105	0.017045639	5.95092E-06	19.44787025	2.33882E-05	0.000346826	0.000248683
2053 Jul	153.2530365	0.216227069	0.336913884	0.007662715	44.46588516	0.051043835	40.15420532	0.000975879	0.000920156	5.34794E-06	0.006606041	0.002048203	0.069226332	0.017458044	6.14858E-06	19.96248436	2.41699E-05	0.00035851	0.000253981
2053 Aug	161.9559174	0.22868146	0.356057107	0.008064929	46.65087891	0.053453322	42.57389069	0.001018174	0.000960265	5.59825E-06	0.006918712	0.002155933	0.073547527	0.018223362	6.42422E-06	20.98012924	2.53728E-05	0.000374391	0.000266847
2053 Sep	170.601181	0.241375029	0.375544518	0.008440971	48.53264999	0.055252839	45.13941574	0.001044352	0.000985051	5.77918E-06	0.007154577	0.002252224	0.078223854	0.018727785	6.61373E-06	21.84587669	2.64278E-05	0.000385862	0.000278067
2053 Oct	174.5773163	0.247392923	0.384587824	0.008600269	49.25185394	0.055832256	46.3875618	0.001049731	0.000990202	5.83455E-06	0.007234768	0.002292047	0.080547988	0.018851086	6.66445E-06	22.18565559	2.68516E-05	0.000389099	0.00028253
2053 Nov	174.8927307	0.247965187	0.38520214	0.008606767	49.26066208	0.055834532	46.49803543	0.001048894	0.000989499	5.83415E-06	0.007239429	0.002294332	0.080773801	0.018840302	6.66066E-06	22.20538902	2.68725E-05	0.000388815	0.000282716
2053 Dec	175.0523224	0.248208269	0.385566294	0.008613013	49.28788757	0.055854958	46.54891586	0.001049034	0.000989635	5.83606E-06	0.0072423	0.00229588	0.080869079	0.018843999	6.66228E-06	22.21834564	2.68888E-05	0.000388922	0.000282887
2054 Jan	175.0950928	0.248269811	0.385655642	0.008614561	49.29513931	0.055860575	46.56215668	0.00104909	0.000989689	5.83664E-06	0.007243166	0.00229632	0.080893673	0.018845988	6.6628E-06	22.22250748	2.68933E-05	0.00038896	0.000282947
2054 Feb	175.1281281	0.248315081	0.385723084	0.008616019	49.30377197	0.055869661	46.57079315	0.001049264	0.000989855	5.83764E-06	0.00724441	0.002296753	0.080908619	0.018850101	6.66391E-06	22.22714615	2.68981E-05	0.000389032	0.000283015
2054 Mar	175.1420441	0.24833411	0.385751128	0.008616647	49.30765152	0.05587386	46.57424927	0.001049349	0.000989935	5.83811E-06	0.007244985	0.002296944	0.08091449	0.018852133	6.66443E-06	22.22928047	2.69002E-05	0.000389067	0.000283046
2054 Apr	175.7554932	0.249203503	0.387100756	0.008646795	49.48033905	0.056069423	46.73724365	0.001053025	0.000993404	5.85856E-06	0.00727036	0.002304994	0.081197582	0.01891847	6.68777E-06	22.30735016	2.69944E-05	0.000390432	0.000284043
2054 May	177.4211884	0.251260281	0.389866263	0.008709249	49.90772247	0.056521885	47.10628128	0.001064441	0.001004459	5.92045E-06	0.007349931	0.002329565	0.081824861	0.019245476	6.75431E-06	22.62295341	2.7279E-05	0.000395133	0.000289193
2054 Jun	162.80159	0.226665363	0.349320322	0.007858345	45.61438751	0.052128635	42.74367905	0.0010155	0.000956285	5.58315E-06	0.006998834	0.0021908	0.074077241	0.018999301	6.36736E-06	21.67225647	2.57999E-05	0.000380326	0.000282753
2054 Jul	159.1325531	0.219980866	0.34073174	0.007698049	44.64670181	0.051639933	41.98733902	0.001011142	0.00094799	5.52077E-06	0.0069226	0.002166592	0.072710752	0.018583393	6.31926E-06	21.17385864	2.54595E-05	0.000377351	0.000273255
2054 Aug	161.7754517	0.223282337	0.345371306	0.007790655	45.12287903	0.0524198	42.78354645	0.001024641	0.000960261	5.59892E-06	0.007019685	0.002202891	0.074216463	0.018793872	6.39997E-06	21.49519348	2.57508E-05	0.000381676	0.000276446
2054 Sep	163.1968079	0.225121289	0.347529322	0.007829598	45.30561066	0.052834719	43.27924728	0.001029774	0.000964289	5.629E-06	0.007070263	0.002223982	0.075160056	0.018871984	6.43305E-06	21.65691566	2.58943E-05	0.000384217	0.000277492
2054 Oct	162.2995148	0.224045992	0.345293194	0.007779757	45.00294495	0.052688655	43.19812012	0.001023399	0.000956074	5.58442E-06	0.007036596	0.002218112	0.074991271	0.018703777	6.39361E-06	21.50597572	2.57522E-05	0.000383129	0.000274202
2054 Nov	161.90802	0.223546848	0.344438642	0.007762624	44.90253067	0.052652951	43.15431976	0.00102156	0.000953326	5.56885E-06	0.007022077	0.002215675	0.074893452	0.018634707	6.38101E-06	21.44010353	2.569E-05	0.000382764	0.000272764
2054 Dec	162.2478027	0.224011436	0.345143437	0.007775016	44.95824814	0.052696899	43.26379395	0.001021959	0.000953703	5.57334E-06	0.007028565	0.002219107	0.07509727	0.018644374	6.38506E-06	21.46897697	2.57263E-05	0.000383033	0.000273148
2055 Jan	162.2931671	0.224072367	0.345231682	0.007776491	44.96485901	0.052701477	43.27835464	0.00102199	0.000953733	5.57385E-06	0.007029347	0.002219558	0.075124487	0.018645965	6.38546E-06	21.47313118	2.57308E-05	0.000383065	0.000273209
2055 Feb	162.2986755	0.22407867	0.345238656	0.007776645	44.96626282	0.052702695	43.27941132	0.001022023	0.000953765	5.57403E-06	0.007029567	0.002219646	0.075126082	0.018647518	6.38565E-06	21.47450066	2.57316E-05	0.000383084	0.000273235
2055 Mar	162.3539276	0.224154294	0.345353663	0.007779237	44.98154068	0.052720387	43.29389954	0.001022372	0.000954092	5.57593E-06	0.007031957	0.002220409	0.075151093	0.018654391	6.38782E-06	21.48217392	2.57404E-05	0.000383217	0.000273337
2055 Apr	162.7975006	0.224766329	0.346295774	0.007800459	45.10441589	0.05286428	43.41204071	0.001025166	0.000956699	5.59116E-06	0.007051167	0.00222648	0.075356089	0.018705659	6.40527E-06	21.54107285	2.58107E-05	0.000384266	0.000274089
2055 May	164.7451477	0.227449104	0.350428641	0.007893165	45.63872528	0.053487912	43.93395996	0.00103721	0.00096794	5.65714E-06	0.007134468	0.002252971	0.076263733	0.018925859	6.48072E-06	21.79685974	2.61173E-05	0.000388798	0.000277347
2055 Jun	150.9478302	0.20477435	0.319926828	0.00728983	42.10638428	0.05026482	40.54302216	0.001002908	0.000925352	5.36564E-06	0.006780937	0.002119398	0.070275471	0.017458085	6.18589E-06	20.0135231	2.48027E-05	0.000371446	0.000249028
2055 Jul	148.2480316	0.199586079	0.314974487	0.007230273	41.76821899	0.050397996	40.05888748	0.00101518	0.000928767	5.36188E-06	0.006761009	0.002118313	0.069217354	0.017222464	6.22242E-06	19.66179657	2.47192E-05	0.00037497	0.000240989
2055 Aug	153.651474	0.206601858	0.325834066	0.007473662	43.14645004	0.052148547	41.54541016	0.001050017	0.000961075	5.55175E-06	0.006996794	0.00219409	0.071851514	0.017807549	6.43526E-06	20.36522102	2.55519E-05	0.000387075	0.000249449
2055 Sep	154.5788116	0.20766449	0.326505512	0.00747756	43.14070129	0.052291296	41.83551407	0.001051418	0.000963139	5.57032E-06	0.007026643	0.002203211	0.072485298	0.017834341	6.44306E-06	20.47291183	2.5594E-05	0.000386802	0.000250286
2055 Oct	156.0102997	0.209563658	0.32897836	0.007524072	43.37462997	0.052572198	42.27402496	0.001055734	0.000967322	5.6013E-06	0.007074331	0.002219565	0.073305376	0.017917389	6.47264E-06	20.62644768	2.57755E-05	0.000388425	0.000252109
2055 Nov	156.9199982	0.210718542	0.330639839	0.007554131	43.51599884	0.052707888	42.56544876	0.001057435	0.000968942	5.61624E-06	0.007096569	0.002229303	0.073848642	0.017952744	6.48653E-06	20.71154213	2.58804E-05	0.00038927	0.000253186
2055 Dec	157.2430573	0.211114123	0.331233025	0.007564094	43.55814743	0.052737292	42.67417908	0.001057565	0.000969068	5.61953E-06	0.007101703	0.002232438	0.074052893	0.017957678	6.48906E-06	20.73715019	2.59128E-05	0.000389448	0.000253529
2056 Jan	157.2773132	0.211158022	0.331294	0.007565324	43.56513596	0.052744884	42.68391418	0.001057706	0.000969201	5.6204E-06	0.007102894	0.002232871	0.074070387	0.017961152	6.48997E-06	20.74164963	2.59175E-05	0.000389508	0.000253593
2056 Feb	157.2957916	0.211181328	0.331326842	0.007566077	43.57017136	0.052750431	42.68831635	0.001057831	0.000969317	5.62106E-06	0.007103713	0.002233151	0.074077688	0.01796454	6.49071E-06	20.74496269	2.59204E-05	0.000389562	0.000253645
2056 Mar	157.3709869	0.211281464	0.331481934	0.007569621	43.59095764	0.052775297	42.7083931	0.001058337	0.000969782	5.62375E-06	0.007107102	0.002234228	0.074112341	0.017973822	6.4938E-06	20.75535774	2.59328E-05	0.000389752	0.000253778
2056 Apr	157.8952332	0.211984858	0.332584381	0.007594796	43.73615265	0.052950907	42.85048676	0.001061863	0.000973013	5.64248E-06	0.007130774	0.002241676	0.074358813	0.018034089	6.51542E-06	20.82476807	2.60191E-05	0.000391053	0.00025463
2056 May	158.3404694	0.2118164	0.331171274	0.007570829	43.80398178	0.053011868	42.76696014	0.001071259	0.000982227	5.68458E-06	0.007192652	0.002258094	0.0741506	0.018515082	6.55646E-06	21.18040276	2.62011E-05	0.000395853	0.000261952
2056 Jun	147.4645996	0.194298431	0.302901864	0.006978009	40.98007965	0.049761742	39.63918686	0.001030427	0.000935965	5.37709E-06	0.006826868	0.002168002	0.068210311	0.018531146	6.23789E-06	20.57886696	2.48756E-05	0.000389375	0.000260601
2056 Jul	153.1963654	0.201267675	0.31428951	0.007237996	42.43078613	0.051631168	41.31110382	0.001069621	0.000970397	5.57954E-06	0.007081186	0.002254306	0.07113485	0.019126665	6.47237E-06	21.30513	2.5824E-05	0.000403529	0.000268933
2056 Aug	157.6931763	0.206548855	0.322231978	0.007410639	43.38964462	0.052940536	42.59319305	0.001095776	0.000994924	5.72831E-06	0.007263684	0.002316548	0.07346601	0.019577947	6.63146E-06	21.88537216	2.6453E-05	0.00041212	0.000275942
2056 Sep	161.9697723	0.21185711	0.329910785	0.007572695	44.28439713	0.054035161	43.8435936	0.001116405	0.001014036	5.84979E-06	0.00742688	0.002372239	0.075729676	0.019955618	6.76206E-06	22.40769196	2.70655E-05	0.00041995	0.000282371
2056 Oct	162.1435547	0.211834252	0.328534842	0.00752083	43.91418076	0.053625546	44.01844025	0.001104982	0.001004355	5.8099E-06	0.007398707	0.002364644	0.076185495	0.019768452	6.69999E-06	22.34019661	2.69673E-05	0.000415516	0.000281213
2056 Nov	162.7170258	0.212465167	0.329197735	0.007528551	43.93135452	0.053638261	44.22328949	0.001104196	0.001003804	5.81268E-06	0.007408126	0.002369358	0.076588877	0.019760642	6.69843E-06	22.38198662	2.70155E-05	0.00041531	0.000281691
2056 Dec	162.9623871	0.212739423	0.329609811	0.007535823	43.96426392	0.053665411	44.30524826	0.001104471	0.00100406	5.81592E-06	0.007412884	0.002371904	0.076741651	0.019767359	6.70129E-06	22.40331841	2.70422E-05	0.000415502	0.000281974
2057 Jan	162.9855652	0.212769315	0.329650491	0.007536749	43.9701004	0.05367266	44.311203	0.001104626	0.001004204	5.81674E-06	0.007413982	0.002372246	0.076751955	0.019770842	6.7022E-06	22.40703011	2.7046E-05	0.000415561	0.000282025
2057 Feb	163.0003815	0.212787598	0.329676062	0.007537335	43.97405243	0.053677056	44.31476212	0.001104727	0.001004297	5.81727E-06	0.007414645	0.002372474	0.076757863	0.019773597	6.7028E-06	22.40972328	2.70484E-05	0.000415605	0.000282068
2057 Mar	163.1438751	0.212974355	0.329963863	0.007543916	44.0127449	0.053724047	44.35351944	0.0011057	0.001005183	5.82239E-06	0.007421166	0.002374569	0.076824851	0.019791529	6.70869E-06	22.42981148	2.70722E-05	0.000415974	0.000282325
2057 Apr	163.7193146	0.213725194	0.331126302	0.007570494	44.16796875	0.053913392	44.5098114	0.0011096	0.001008729	5.84293E-06	0.007447338	0.002382949	0.077095494	0.019861637	6.73235E-06	22.50913048	2.71676E-05	0.000417443	0.000283326
2057 May	165.9489288	0.216438398	0.335034639	0.007660847	44.74497604	0.054594491	45.06238556	0.001125586	0.001023584	5.92687E-06	0.007555624	0.002416851	0.078043051	0.020230455	6.82604E-06	22.88465691	2.75551E-05	0.000423729	0.000288837
2057 Jun	152.319809	0.196232095	0.304114491	0.007013953	41.25810623	0.050911456	41.40475845	0.001075806	0.000967538	5.56036E-06	0.007142453	0.002289064	0.071364477	0.019445496	6.44998E-06	21.57642365	2.6041E-05	0.000409989	0.000273114
2057 Jul	155.6803894	0.199921608	0.310990512	0.007178023	42.1206398	0.052126646	42.53842926	0.001103143	0.000988639	5.68389E-06	0.007302374	0.002348935	0.073314205	0.019721424	6.60535E-06	21.95165253	2.66799E-05	0.000420337	0.000276065
2057 Aug	166.0640869	0.212773904	0.3308779	0.007626578	44.7052269	0.055310287	45.46125031	0.001169179	0.001048058	6.03507E-06	0.007753841	0.00249975	0.078431629	0.020905433	7.0063E-06	23.34896851	2.83619E-05	0.000445584	0.000293627
2057 Sep	170.9598999	0.218164623	0.338733017	0.007783071	45.52274323	0.056249805	46.99629211	0.001185617	0.0010632	6.14475E-06	0.007904575	0.002559201	0.081253871	0.021218373	7.11852E-06	23.88436508	2.89967E-05	0.000452526	0.000300337
2057 Oct	173.5164337	0.220522285	0.341671735	0.007822178	45.63708115	0.056290604	47.92349625	0.00118248	0.001060798	6.15716E-06	0.007936522	0.002581039	0.083044052	0.021188905	7.11601E-06	24.06495285	2.92175E-05	0.000452207	0.000302643
2057 Nov	174.4476013	0.221524507	0.343126535	0.0078499	45.7754364	0.056435507	48.22497559	0.001184748	0.001062889	6.17451E-06	0.007961469	0.002591716	0.083600916	0.021234822	7.13302E-06	24.15883827	2.93328E-05	0.000453284	0.000303846
2057 Dec	174.6751251	0.221760496	0.343481153	0.007856431	45.80659103	0.056464355	48.30057526	0.00118514	0.001063246	6.17806E-06	0.007966558	0.002594213	0.08374095	0.021243334	7.13638E-06	24.18008614	2.93593E-05	0.000453507	0.000304125
2058 Jan	174.7394104	0.221819147	0.343566418	0.007857782	45.81216431	0.05646725	48.32306671	0.001185126	0.001063236	6.17858E-06	0.007967409	0.002594833	0.083783261	0.021244286	7.13668E-06	24.18541336	2.93655E-05	0.000453534	0.000304203
2058 Feb	174.7597046	0.2218384	0.343593687	0.007858297	45.81515503	0.056469802	48.32931519	0.001185174	0.001063281	6.17894E-06	0.0079679	0.002595077	0.083794549	0.021246104	7.13703E-06	24.18800163	2.9368E-05	0.000453564	0.000304244
2058 Mar	174.8123322	0.221902579	0.343691647	0.007860498	45.82804871	0.056485195	48.34404755	0.001185497	0.001063571	6.18066E-06	0.007970129	0.002595838	0.083820224	0.021252386	7.13899E-06	24.19529343	2.93764E-05	0.000453692	0.00030434
2058 Apr	175.2005615	0.222395077	0.344453692	0.007877925	45.92980576	0.056610491	48.45128632	0.001188129	0.001065933	6.19439E-06	0.007987823	0.002601606	0.084006086	0.021299839	7.15484E-06	24.24920082	2.94416E-05	0.000454701	0.000305021
2058 May	179.5939178	0.225143194	0.34733212	0.007912355	46.19127655	0.056614872	49.8364563	0.001191676	0.001069404	6.24483E-06	0.008075179	0.002655302	0.086559929	0.021787703	7.1884E-06	24.90826416	2.99696E-05	0.000460534	0.000317116
2058 Jun	164.7273102	0.202294096	0.31211859	0.007120423	41.91669083	0.05124972	46.36138153	0.001094814	0.000962636	5.62999E-06	0.007324793	0.002508257	0.079989247	0.020696804	6.55113E-06	23.37374115	2.76031E-05	0.00044056	0.000302122
2058 Jul	168.1961365	0.206664622	0.320506275	0.007322856	42.99681854	0.052739717	47.60653305	0.001125573	0.000984173	5.75452E-06	0.007477063	0.002577007	0.082033455	0.020980055	6.72314E-06	23.74539375	2.82248E-05	0.000453203	0.00030427
2058 Aug	174.9932404	0.214204192	0.332009822	0.00757546	44.42824173	0.054551728	49.62389755	0.001162877	0.001017448	5.96055E-06	0.007741798	0.002673823	0.085629463	0.021668583	6.95182E-06	24.6272068	2.92363E-05	0.000467717	0.000315406
2058 Sep	176.0646057	0.21486035	0.33159408	0.007553553	44.26816559	0.054505005	50.02462006	0.001159451	0.001015709	5.96468E-06	0.007764888	0.002679404	0.086499237	0.021606879	6.93731E-06	24.70048141	2.92805E-05	0.000465545	0.000315773
2058 Oct	176.9983063	0.215419397	0.331207275	0.007530789	44.09216309	0.054359738	50.40287781	0.001153872	0.001011733	5.95714E-06	0.00777516	0.002682411	0.08730571	0.021514315	6.91201E-06	24.73886299	2.93174E-05	0.000463025	0.000315923
2058 Nov	177.651474	0.216089427	0.332092732	0.007548049	44.18242645	0.054470621	50.61302185	0.001155764	0.001013499	5.97074E-06	0.007795584	0.002690186	0.087695256	0.021552268	6.92522E-06	24.80989265	2.94018E-05	0.000463826	0.000316802
2058 Dec	177.7696533	0.216199562	0.332252383	0.00755094	44.19607925	0.054483615	50.65314484	0.001155934	0.001013654	5.97247E-06	0.007798167	0.002691472	0.08776994	0.021556199	6.92678E-06	24.82087135	2.94153E-05	0.000463929	0.000316946
2059 Jan	177.7987366	0.216223359	0.332283705	0.007551413	44.19815445	0.054484632	50.66318893	0.001155928	0.001013653	5.97272E-06	0.007798589	0.002691755	0.087788858	0.021556996	6.9269E-06	24.8235836	2.94181E-05	0.000463941	0.000316987
2059 Feb	177.8072815	0.216232896	0.332295746	0.007551687	44.20026779	0.054486811	50.66516113	0.001155983	0.001013704	5.973E-06	0.007798952	0.002691894	0.087792046	0.021558926	6.92722E-06	24.82538414	2.94195E-05	0.000463969	0.000317018
2059 Mar	177.8118134	0.216237962	0.332302123	0.007551833	44.20139694	0.054487981	50.6661911	0.001156013	0.001013731	5.97316E-06	0.007799146	0.002691968	0.0877937	0.021559972	6.92739E-06	24.82635498	2.94202E-05	0.000463983	0.000317035
2059 Apr	178.2716064	0.21679689	0.333160222	0.007571334	44.31570435	0.054628756	50.79706192	0.001159003	0.001016353	5.9886E-06	0.007819312	0.002698932	0.088020392	0.021616006	6.9453E-06	24.89074516	2.94962E-05	0.000465185	0.000317859
2059 May	180.0152893	0.21818921	0.33452782	0.007602328	44.60954285	0.054933831	51.21205139	0.001169916	0.001026399	6.04613E-06	0.007901427	0.002728484	0.088728622	0.022032455	7.00514E-06	25.28577995	2.98105E-05	0.000470795	0.000324798
2059 Jun	175.0597839	0.210712552	0.321545333	0.007331653	43.39261246	0.053581852	49.79462433	0.001157073	0.001007049	5.90812E-06	0.007769735	0.002708311	0.085927419	0.022341561	6.88273E-06	25.20555878	2.93528E-05	0.000474329	0.000327547
2059 Jul	184.9460754	0.222163677	0.339169204	0.007732477	45.72765732	0.05650473	52.66184998	0.001221224	0.001062793	6.23835E-06	0.008206105	0.002860196	0.09092696	0.02352576	7.26401E-06	26.58624458	3.10171E-05	0.000500147	0.000345146
2059 Aug	194.3204956	0.232905343	0.355493426	0.008099086	47.86761475	0.059164394	55.39280319	0.001277894	0.001112405	6.53692E-06	0.008597995	0.003000431	0.095708326	0.024615649	7.60535E-06	27.88180542	3.25163E-05	0.000523269	0.000361888
2059 Sep	197.3097992	0.235902146	0.359201163	0.008176419	48.30598068	0.059805602	56.31931686	0.001290186	0.00112394	6.61495E-06	0.008711308	0.003038879	0.097428732	0.024850572	7.68327E-06	28.24966812	3.29235E-05	0.000527804	0.000366266
2059 Oct	190.6716461	0.22775355	0.343297988	0.007812439	46.2066803	0.057674244	54.44136047	0.001241931	0.001084638	6.39072E-06	0.008462589	0.002927524	0.094390646	0.02390258	7.3934E-06	27.2951355	3.17634E-05	0.000505013	0.000352464
2059 Nov	190.8943176	0.22775349	0.342752665	0.007796	46.09986115	0.05758971	54.5463562	0.001239231	0.001082718	6.38516E-06	0.008463665	0.002926662	0.094632685	0.02385216	7.3801E-06	27.29307938	3.17584E-05	0.000503675	0.000352246

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Dec	191.0590057	0.227882639	0.342940927	0.007799209	46.11384583	0.057600882	54.60459518	0.001239317	0.0010828	6.387E-06	0.008466525	0.002928349	0.094741881	0.023855045	7.38151E-06	27.3070488	3.17759E-05	0.000503773	0.000352433
2060 Jan	191.082489	0.227909952	0.34297666	0.007800023	46.11911011	0.057607587	54.61093521	0.001239466	0.001082935	6.38779E-06	0.008467606	0.002928709	0.094752885	0.023858596	7.38239E-06	27.31088829	3.17798E-05	0.000503835	0.000352487
2060 Feb	191.1072693	0.227938741	0.34301722	0.007800948	46.12512207	0.057614639	54.61750793	0.001239628	0.001083079	6.38862E-06	0.008468696	0.002929099	0.094764031	0.023862652	7.38334E-06	27.31508255	3.17838E-05	0.000503905	0.000352549
2060 Mar	191.1926575	0.228040159	0.343168348	0.007804387	46.14574432	0.057640158	54.64163589	0.001240183	0.001083564	6.39148E-06	0.008472475	0.002930413	0.09480574	0.023873838	7.38663E-06	27.32764053	3.1798E-05	0.000504134	0.000352716
2060 Apr	191.8924103	0.22887376	0.344422042	0.007832889	46.3143959	0.05785061	54.84158707	0.001244713	0.001087523	6.41483E-06	0.008503437	0.002941134	0.095152661	0.023961337	7.41361E-06	27.42776489	3.19142E-05	0.000505977	0.000354011
2060 May	190.7513275	0.225659281	0.337436318	0.007681913	45.76800537	0.057071097	54.21461487	0.001242154	0.001087138	6.40019E-06	0.008496865	0.002935135	0.094015926	0.024462521	7.37677E-06	27.72634315	3.18496E-05	0.000507055	0.000362906
2060 Jun	175.3854065	0.207671419	0.312033623	0.007155272	42.94825363	0.053696565	50.02569962	0.001185009	0.001019931	5.96041E-06	0.007908076	0.00278635	0.086045377	0.023471711	6.95858E-06	26.08018303	2.97087E-05	0.000492185	0.000342099
2060 Jul	184.2798767	0.218114734	0.328486204	0.007536271	45.16497421	0.056545064	52.69114304	0.001247963	0.001071941	6.26484E-06	0.008308915	0.002933649	0.090616241	0.024563901	7.32344E-06	27.33222389	3.1241E-05	0.00051812	0.000357273
2060 Aug	188.7164459	0.222423032	0.334519297	0.007672449	45.97259521	0.057761393	54.00484848	0.001273917	0.001095557	6.40925E-06	0.008493029	0.002998604	0.093016058	0.025043845	7.4774E-06	27.94977379	3.18671E-05	0.000527439	0.000364731
2060 Sep	183.4299164	0.214924172	0.321165562	0.007368269	44.18003082	0.056142218	52.59869003	0.001235461	0.001063775	6.23029E-06	0.008266899	0.002921581	0.090851136	0.024207586	7.24686E-06	27.15582275	3.07955E-05	0.00050927	0.000352071
2060 Oct	183.8107605	0.215008363	0.320614785	0.007344248	43.91064453	0.056054089	53.2010498	0.001225946	0.001049147	6.16696E-06	0.008232266	0.00292755	0.091908291	0.023933664	7.19792E-06	27.0328064	3.07734E-05	0.000510063	0.000347981
2060 Nov	183.7378845	0.214881688	0.320195526	0.007331606	43.79369354	0.056005105	53.3501091	0.001222278	0.001043547	6.14074E-06	0.008215133	0.002930982	0.092160396	0.023827655	7.17769E-06	26.96840286	3.07419E-05	0.000510245	0.000346216
2060 Dec	184.079834	0.215131089	0.320565492	0.007338185	43.82400131	0.056031577	53.47092056	0.001222588	0.001043822	6.14502E-06	0.008221539	0.002934651	0.092385456	0.023836145	7.18131E-06	26.99891663	3.07799E-05	0.000510504	0.000346626
2061 Jan	184.1499634	0.215175316	0.320627809	0.007339174	43.82826996	0.056033947	53.49605942	0.001222585	0.001043824	6.14566E-06	0.00822256	0.002935349	0.092432648	0.023837404	7.18171E-06	27.0050354	3.0787E-05	0.000510536	0.000346715
2061 Feb	184.1646118	0.21518603	0.32064113	0.007339427	43.83010101	0.056035373	53.50048065	0.001222619	0.001043856	6.14592E-06	0.00822291	0.002935535	0.092440516	0.023839172	7.18195E-06	27.0072422	3.07888E-05	0.000510561	0.000346753
2061 Mar	184.2104645	0.215237796	0.320716769	0.007341146	43.84062195	0.056048445	53.51367188	0.001222908	0.001044105	6.1474E-06	0.008224879	0.002936258	0.092463285	0.023845384	7.18366E-06	27.01419067	3.07962E-05	0.000510686	0.000346847
2061 Apr	184.8394623	0.215972513	0.321810603	0.007366185	43.99033356	0.056239687	53.69622803	0.001227084	0.001047671	6.16839E-06	0.008252962	0.002946286	0.092778616	0.023927126	7.20818E-06	27.10664749	3.09014E-05	0.000512431	0.000348037
2061 May	184.19664	0.213831589	0.318331629	0.007293477	43.76625443	0.05575534	53.52205658	0.001225782	0.001042698	6.13582E-06	0.008205418	0.00295501	0.092308611	0.02422438	7.17939E-06	27.27678871	3.08212E-05	0.000515927	0.000353236
2061 Jun	167.0849152	0.194447428	0.294400424	0.006787723	40.7162323	0.051802725	49.39540863	0.001150996	0.000951399	5.57598E-06	0.00742429	0.002782655	0.084389307	0.022359321	6.65491E-06	24.91611671	2.82309E-05	0.000494627	0.000319316
2061 Jul	175.3404846	0.203597054	0.308959991	0.007125676	42.65930176	0.054389615	51.99559075	0.001209114	0.000997488	5.84939E-06	0.007786166	0.002924989	0.088860944	0.023325151	6.98673E-06	26.05742455	2.96377E-05	0.000519068	0.000332619
2061 Aug	184.421875	0.213353574	0.323709816	0.007460738	44.63726425	0.056935772	54.75793839	0.00126495	0.001044006	6.13143E-06	0.008159974	0.003069308	0.09366744	0.02440007	7.31517E-06	27.33767891	3.10862E-05	0.000542878	0.000348929
2061 Sep	188.075058	0.21623823	0.327567726	0.007539045	45.06476593	0.057514925	55.97356796	0.001275844	0.001053834	6.20799E-06	0.00826871	0.003114789	0.095920891	0.024616897	7.39011E-06	27.74577904	3.15453E-05	0.000547672	0.000353977
2061 Oct	183.6691437	0.209901333	0.315213472	0.007247387	43.33390427	0.055628505	54.75819397	0.001230953	0.001019708	6.02681E-06	0.008065914	0.003021238	0.094112247	0.023748277	7.14046E-06	26.97975922	3.06674E-05	0.000526355	0.000343293
2061 Nov	182.8209534	0.208481118	0.312125802	0.007173704	42.89709091	0.05517976	54.53991699	0.001219946	0.00101162	5.98612E-06	0.008024856	0.003000046	0.093832709	0.023535244	7.08037E-06	26.81366158	3.04765E-05	0.000520945	0.000340866
2061 Dec	183.0635223	0.208639368	0.312356353	0.007177801	42.91601181	0.0551969	54.6265831	0.001220151	0.001011802	5.98912E-06	0.008029405	0.003002653	0.093994319	0.023540929	7.08285E-06	26.83534241	3.05035E-05	0.000521121	0.000341156
2062 Jan	183.1844177	0.208709538	0.312458098	0.007179503	42.92363358	0.055202175	54.67017746	0.001220185	0.001011836	5.99037E-06	0.008031323	0.003003899	0.094075829	0.02354333	7.08375E-06	26.84599686	3.05162E-05	0.000521191	0.000341307
2062 Feb	183.2271118	0.208743796	0.312506825	0.007180514	42.92974472	0.055208698	54.68386841	0.001220324	0.001011956	5.99126E-06	0.008032537	0.003004471	0.094100326	0.023547262	7.08469E-06	26.85154152	3.05219E-05	0.000521266	0.000341389
2062 Mar	183.4184265	0.208958879	0.312827259	0.007187858	42.9738884	0.055265021	54.74092484	0.001221573	0.001012993	5.99742E-06	0.008040802	0.003007587	0.09419857	0.023571953	7.09195E-06	26.87971115	3.05535E-05	0.000521804	0.000341752
2062 Apr	184.0962524	0.209730864	0.31398204	0.007214392	43.13271332	0.055469107	54.94303131	0.001226087	0.001016738	6.01959E-06	0.008070514	0.003018704	0.094546273	0.023659397	7.11815E-06	26.97926903	3.06664E-05	0.000523734	0.000343021
2062 May	186.0312958	0.211919159	0.317258179	0.007289538	43.58145523	0.056045175	55.5222702	0.001238805	0.001027284	6.08226E-06	0.008154585	0.003050274	0.095544435	0.023905167	7.19214E-06	27.26128197	3.09871E-05	0.00052918	0.00034661
2062 Jun	172.5261841	0.196763933	0.297104865	0.006876406	40.87818146	0.053408414	51.94532776	0.001201762	0.000984161	5.78308E-06	0.007810136	0.002909877	0.089251563	0.022387	6.90376E-06	25.38085747	2.96439E-05	0.000511909	0.000336128
2062 Jul	167.8800049	0.191766456	0.292566568	0.00680092	40.18540192	0.053018	51.09359741	0.001201818	0.000972	5.69204E-06	0.007698046	0.002890554	0.087615646	0.021731302	6.85625E-06	24.62011147	2.92751E-05	0.000511965	0.00030068
2062 Aug	169.8527069	0.19245626	0.292968899	0.006811898	40.25880432	0.053465851	51.71039963	0.001211284	0.000982336	5.75944E-06	0.007773533	0.002915755	0.088867262	0.021872964	6.91273E-06	24.87766457	2.94456E-05	0.000513245	0.000303256
2062 Sep	170.2825012	0.192569479	0.29224211	0.006787139	40.02874756	0.053507142	52.33692932	0.00120486	0.000969444	5.70346E-06	0.007743668	0.002937943	0.089951299	0.021682974	6.876E-06	24.81861687	2.94013E-05	0.000515802	0.000299823
2062 Oct	162.3164215	0.185502753	0.280829132	0.006529436	38.35951996	0.051868394	50.91612625	0.001154919	0.000908858	5.36319E-06	0.007332934	0.002855763	0.087201267	0.020295745	6.55346E-06	23.43164825	2.78865E-05	0.000501177	0.00027516
2062 Nov	162.799942	0.18597503	0.281253099	0.006539305	38.41667175	0.051998917	51.1075592	0.001157247	0.000910293	5.37395E-06	0.007352523	0.00286414	0.087544024	0.020320944	6.56607E-06	23.48629951	2.79517E-05	0.000502188	0.000275484
2062 Dec	163.0779877	0.186136976	0.281491727	0.006543566	38.43629074	0.052016806	51.20828629	0.001157467	0.000910478	5.3773E-06	0.007357602	0.002867154	0.087731659	0.020326937	6.56885E-06	23.51095963	2.79827E-05	0.000502391	0.000275812
2063 Jan	163.1712646	0.186187223	0.281563669	0.006544803	38.44210052	0.052021369	51.24193954	0.001157515	0.000910523	5.37835E-06	0.007359189	0.002868142	0.087794393	0.020329198	6.56965E-06	23.51947212	2.79928E-05	0.000502452	0.000275933
2063 Feb	163.202774	0.186212972	0.281600177	0.006545588	38.44694519	0.052026931	51.25209808	0.001157639	0.000910624	5.37906E-06	0.00736017	0.002868597	0.087812386	0.020332418	6.57043E-06	23.52375603	2.79972E-05	0.000502517	0.000275994
2063 Mar	163.241333	0.186256588	0.281664729	0.00654709	38.45603943	0.052038968	51.26390457	0.001157912	0.000910841	5.38033E-06	0.007361901	0.002869277	0.087832488	0.020337712	6.57197E-06	23.52964211	2.80038E-05	0.000502638	0.000276068
2063 Apr	163.5626068	0.186622992	0.282217979	0.006559951	38.5317421	0.052141257	51.36463165	0.001160191	0.000912634	5.39092E-06	0.007376388	0.002874925	0.088004991	0.020378022	6.5849E-06	23.57614136	2.80589E-05	0.000503629	0.000276616
2063 May	163.9408417	0.18683736	0.282035261	0.006562231	38.70267487	0.052262954	51.3327713	0.001169225	0.000919974	5.42362E-06	0.00741629	0.002891863	0.087850735	0.02076979	6.62333E-06	23.85655975	2.81935E-05	0.000508541	0.000282317
2063 Jun	149.1306305	0.169676214	0.2596744	0.006080914	36.11805725	0.048353106	47.20913315	0.001115177	0.000854099	4.99223E-06	0.006806338	0.002754282	0.080006108	0.019990448	6.20698E-06	22.35845757	2.62177E-05	0.000496493	0.000266899
2063 Jul	151.3383179	0.17171213	0.264777839	0.006201877	36.62505341	0.049173504	48.37545395	0.0011356	0.000862267	5.04772E-06	0.00688685	0.002815429	0.081977963	0.01998801	6.30776E-06	22.48677254	2.66757E-05	0.000506967	0.000264967
2063 Aug	159.004776	0.179417655	0.276521385	0.006473578	38.21401215	0.051364057	50.8649025	0.001185457	0.000901002	5.28397E-06	0.007205598	0.002947813	0.086303234	0.020865647	6.59119E-06	23.55909729	2.79223E-05	0.000528798	0.000277655
2063 Sep	162.0378571	0.180997968	0.278153598	0.006505603	38.39438629	0.051752742	51.8927536	0.001192395	0.00090836	5.34605E-06	0.007291064	0.002981913	0.088283017	0.020994786	6.64277E-06	23.88597107	2.82454E-05	0.000531125	0.000281408
2063 Oct	162.3367004	0.1800569	0.275461912	0.006434299	37.9491272	0.051286936	52.13036346	0.001178399	0.00089777	5.30451E-06	0.007259862	0.002970488	0.088862635	0.020758232	6.57717E-06	23.79712486	2.81514E-05	0.000525637	0.000279963
2063 Nov	163.0932922	0.18053776	0.276010126	0.00644402	37.99213791	0.051360916	52.42786789	0.001179146	0.000897983	5.31214E-06	0.007276516	0.002980316	0.089410193	0.020773191	6.58499E-06	23.86547279	2.82401E-05	0.000526499	0.000280663
2063 Dec	163.3656006	0.180713385	0.276269346	0.00644919	38.01899719	0.051391836	52.52472305	0.001179728	0.00089844	5.31661E-06	0.007283041	0.0029837	0.089587778	0.020785077	6.58943E-06	23.89306641	2.82741E-05	0.000526838	0.000281018
2064 Jan	163.5041809	0.180775389	0.2763592	0.006450689	38.02567673	0.051396381	52.57564163	0.001179754	0.000898468	5.31801E-06	0.007285191	0.002985131	0.089682959	0.020787396	6.59041E-06	23.90516472	2.82888E-05	0.000526914	0.000281188
2064 Feb	163.5634613	0.180817217	0.276420534	0.006451985	38.03326797	0.051405095	52.59582901	0.001179945	0.000898618	5.31919E-06	0.007286832	0.002985952	0.089719161	0.020792002	6.59167E-06	23.9123745	2.82968E-05	0.000527019	0.000281288
2064 Mar	163.7628021	0.181033283	0.276749372	0.006459638	38.07857132	0.051465869	52.65990829	0.001181342	0.000899684	5.32554E-06	0.007295536	0.002989548	0.0898287	0.020817189	6.59951E-06	23.94150352	2.83308E-05	0.000527648	0.000281637
2064 Apr	164.1183319	0.181425646	0.27734834	0.006473617	38.16112137	0.051577259	52.77408981	0.001183902	0.000901635	5.33709E-06	0.00731135	0.002996033	0.090023428	0.020862587	6.61381E-06	23.99362755	2.83923E-05	0.000528793	0.000282253
2064 May	166.0440369	0.181986004	0.277288675	0.006467775	38.28354645	0.051584158	53.43323898	0.001189917	0.000903711	5.35761E-06	0.007359082	0.003038021	0.091099277	0.021344889	6.64316E-06	24.46140099	2.8703E-05	0.00053673	0.000291056
2064 Jun	159.4814758	0.173569366	0.265066475	0.006186813	36.86278534	0.049327217	51.88748932	0.001156665	0.000858909	5.08766E-06	0.007026381	0.003001251	0.087949485	0.021244258	6.39714E-06	23.98528099	2.77897E-05	0.000537156	0.000288909
2064 Jul	164.9503784	0.178485796	0.272754341	0.006369432	37.90945435	0.050896011	53.70036697	0.001195514	0.000889153	5.2698E-06	0.007272328	0.003099983	0.091134354	0.021864988	6.61263E-06	24.7498703	2.8738E-05	0.000553002	0.000297595
2064 Aug	168.31427	0.18060571	0.275723219	0.006439363	38.31703186	0.051675163	54.80786514	0.001213158	0.000904723	5.37092E-06	0.007397525	0.003150886	0.09317679	0.022164769	6.71689E-06	25.18803596	2.91779E-05	0.000558898	0.000302704
2064 Sep	169.6785431	0.179997489	0.273192048	0.006369871	37.83863831	0.051480867	55.64089966	0.001202104	0.000893084	5.33373E-06	0.00739003	0.003165961	0.094854899	0.021925591	6.66847E-06	25.19762611	2.91798E-05	0.000557166	0.000300696
2064 Oct	173.2785034	0.182237223	0.275960296	0.006421886	38.07720947	0.051883738	57.09416199	0.001207701	0.00089465	5.37189E-06	0.007472899	0.003218192	0.097493857	0.022027241	6.71431E-06	25.53893852	2.96347E-05	0.000562801	0.000304135
2064 Nov	174.5708008	0.183083355	0.277237475	0.006448407	38.22033691	0.052055493	57.5547142	0.001211241	0.000897289	5.39502E-06	0.007506233	0.003235583	0.098328918	0.022098361	6.7389E-06	25.67833138	2.9804E-05	0.000564811	0.000305915
2064 Dec	174.7350464	0.183178872	0.27737698	0.006451185	38.23484039	0.052072417	57.61383438	0.001211564	0.000897538	5.3976E-06	0.007510048	0.003237621	0.098437428	0.022105224	6.74143E-06	25.6949234	2.98244E-05	0.00056501	0.000306129
2065 Jan	174.825943	0.183214918	0.277429044	0.006452043	38.23862457	0.052074861	57.64745331	0.001211573	0.000897551	5.3985E-06	0.007511428	0.003238553	0.098500304	0.022106582	6.74204E-06	25.70280075	2.9834E-05	0.000565056	0.000306241
2065 Feb	174.8810577	0.183253914	0.277486622	0.006453288	38.24591064	0.052083708	57.66648483	0.001211772	0.0008977	5.39964E-06	0.007513034	0.003239356	0.098534286	0.022111008	6.7433E-06	25.709589	2.98416E-05	0.000565164	0.000306332
2065 Mar	175.1090546	0.183491677	0.27784574	0.006461635	38.29553223	0.052151069	57.74153137	0.001213341	0.000898865	5.40665E-06	0.007522785	0.003243567	0.098662518	0.022139981	6.75204E-06	25.74322701	2.98804E-05	0.000565898	0.000306736
2065 Apr	175.7691803	0.1841833	0.278892487	0.006485979	38.4399147	0.052347589	57.95907974	0.001217915	0.000902254	5.42703E-06	0.007551142	0.003255795	0.099034198	0.022223629	6.7775E-06	25.84039497	2.9993E-05	0.000568032	0.000307895
2065 May	178.3369446	0.184912905	0.278814137	0.00648222	38.59640121	0.052399855	58.66505814	0.001225789	0.000910139	5.48226E-06	0.007635322	0.0032931	0.100296572	0.02273288	6.82477E-06	26.3759346	3.0387E-05	0.000573803	0.000318031
2065 Jun	167.4480133	0.175356016	0.265747249	0.006204041	37.11237717	0.050203659	55.23674393	0.001194295	0.000875694	5.2289E-06	0.007281838	0.003176521	0.09392336	0.02219006	6.57691E-06	25.26165009	2.90206E-05	0.000562912	0.000305147
2065 Jul	176.4369202	0.184496239	0.280538201	0.006550643	39.07689667	0.052940316	58.41071701	0.001260279	0.000921218	5.50462E-06	0.007666628	0.00335429	0.099345274	0.023206115	6.93486E-06	26.5002346	3.06099E-05	0.000593817	0.000318264
2065 Aug	184.9852753	0.192061365	0.291810632	0.006811165	40.62024307	0.055122066	61.27708054	0.001311171	0.000959766	5.74799E-06	0.008000366	0.003501412	0.104369245	0.024140583	7.2244E-06	27.68969727	3.19518E-05	0.000617199	0.000332541
2065 Sep	182.2136536	0.187331378	0.282179356	0.006587091	39.32801819	0.053779017	60.37784195	0.001275804	0.000937594	5.63459E-06	0.007867016	0.003421882	0.103137404	0.023487464	7.04357E-06	27.15919113	3.12891E-05	0.000598359	0.000325396
2065 Oct	177.2490845	0.182605848	0.271806955	0.006340372	37.7593689	0.052449461	59.47237396	0.001233519	0.0008948	5.40223E-06	0.007660245	0.003357696	0.101639345	0.022521282	6.80116E-06	26.27122307	3.04317E-05	0.000585283	0.000309207
2065 Nov	177.2674103	0.182688132	0.271549731	0.006334524	37.70797729	0.052483954	59.58346176	0.001232752	0.000892717	5.39339E-06	0.007659166	0.003360756	0.101840921	0.022449713	6.79496E-06	26.23467636	3.0416E-05	0.00058528	0.000307802
2065 Dec	177.3865967	0.182745531	0.271626383	0.006335996	37.71552658	0.052493248	59.62682343	0.001232914	0.000892853	5.3951E-06	0.007661783	0.003362136	0.101921402	0.022453459	6.79646E-06	26.24618912	3.04301E-05	0.000585388	0.000307951
2066 Jan	177.5396729	0.182802647	0.27170819	0.006337409	37.72219086	0.052498575	59.68347931	0.001232974	0.000892905	5.39675E-06	0.007664295	0.003363763	0.102026984	0.022456476	6.79769E-06	26.25993919	3.04468E-05	0.000585483	0.000308144
2066 Feb	177.6281433	0.182881281	0.271822542	0.006340025	37.73808289	0.052519687	59.71325302	0.001233472	0.000893271	5.3991E-06	0.007667628	0.003365295	0.102078624	0.022466699	6.80053E-06	26.2726078	3.04608E-05	0.000585732	0.000308305
2066 Mar	177.9786072	0.183241889	0.272356957	0.006352491	37.812603	0.052623078	59.83070374	0.001235906	0.000895037	5.40976E-06	0.007682753	0.003371936	0.102279246	0.022511577	6.81395E-06	26.32481194	3.05209E-05	0.00058689	0.000308923
2066 Apr	178.4373016	0.183714047	0.273057848	0.006368839	37.91008759	0.052758571	59.98469162	0.001239091	0.000897345	5.42371E-06	0.007702551	0.003380627	0.102542415	0.02256991	6.8315E-06	26.39286804	3.05995E-05	0.000588404	0.000309725
2066 May	180.0837402	0.185370803	0.275366038	0.006423727	38.26589966	0.053239902	60.49493027	0.001251411	0.000906791	5.47864E-06	0.007779733	0.00341227	0.103406683	0.022837292	6.89826E-06	26.67579269	3.08946E-05	0.000594173	0.000313511
2066 Jun	165.1748047	0.171837315	0.258482188	0.006069853	36.16118622	0.050290424	55.6474762	0.001211258	0.000869845	5.18864E-06	0.007350822	0.003226472	0.094732992	0.021700954	6.59161E-06	24.87694931	2.9154E-05	0.000572168	0.000290102
2066 Jul	174.2080383	0.180259243	0.27251792	0.00640339	38.01292038	0.052993663	58.93974686	0.001280287	0.000916769	5.47317E-06	0.007750653	0.003410935	0.10041412	0.022665499	6.96007E-06	26.09223366	3.08128E-05	0.000603706	0.000302131
2066 Aug	182.8420258	0.187727928	0.283658683	0.006663166	39.54373169	0.055219349	61.88933563	0.001333193	0.000956059	5.72094E-06	0.008094269	0.003563736	0.10558068	0.023601471	7.25756E-06	27.28986359	3.21951E-05	0.000627947	0.000316144
2066 Sep	185.0272064	0.188445359	0.283641666	0.006661346	39.54955292	0.05538366	62.63459396	0.001335305	0.000959896	5.7604E-06	0.008158064	0.003583279	0.107045785	0.023651378	7.28183E-06	27.50875664	3.24251E-05	0.000627959	0.000318698
2066 Oct	184.3770142	0.185850993	0.277763963	0.006521759	38.75342941	0.054499544	62.41392899	0.001311227	0.000946028	5.70021E-06	0.008094144	0.003537924	0.106931612	0.023249529	7.16855E-06	27.26649475	3.21253E-05	0.00061511	0.000315934

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Nov	184.2353668	0.185220376	0.27627489	0.006486558	38.55419922	0.054285146	62.36350632	0.001305329	0.000942729	5.68616E-06	0.008080009	0.003526761	0.106913753	0.023151325	7.14094E-06	27.20950508	3.20537E-05	0.000611891	0.000315274
2066 Dec	184.5078278	0.185372427	0.27649349	0.006491156	38.57940674	0.054317698	62.46204758	0.001306024	0.000943249	5.69092E-06	0.008087053	0.003530382	0.107093453	0.023165097	7.14585E-06	27.23860741	3.20893E-05	0.000612285	0.000315641
2067 Jan	184.6141815	0.185417458	0.276556104	0.006492364	38.58592987	0.054324791	62.50081253	0.00130616	0.000943358	5.69238E-06	0.008089226	0.003531629	0.107164986	0.023169003	7.14713E-06	27.24924278	3.21018E-05	0.000612388	0.000315788
2067 Feb	184.692276	0.185486108	0.276655763	0.006494668	38.60004425	0.054343767	62.52709198	0.001306621	0.000943696	5.69452E-06	0.00809226	0.00353301	0.107210532	0.023178322	7.14973E-06	27.26062775	3.21144E-05	0.000612615	0.000315932
2067 Mar	184.8768463	0.185671285	0.276930392	0.006501116	38.63868332	0.054397844	62.58919907	0.001307927	0.000944642	5.70022E-06	0.008100343	0.003536541	0.107316867	0.023202049	7.15687E-06	27.28824234	3.21465E-05	0.000613229	0.000316258
2067 Apr	185.2789001	0.186074972	0.277531564	0.00651523	38.72275162	0.054516006	62.72509003	0.001310771	0.000946698	5.71262E-06	0.008117956	0.003544232	0.107549801	0.023252828	7.17243E-06	27.34780121	3.22163E-05	0.000614564	0.000316951
2067 May	186.0561829	0.186432168	0.276743203	0.006504774	38.89294815	0.054645639	62.63680649	0.001321939	0.000959262	5.77278E-06	0.008198385	0.003560397	0.107351467	0.023807807	7.22644E-06	27.77046776	3.24453E-05	0.000619222	0.000325714
2067 Jun	176.9279785	0.177802593	0.262589395	0.006185546	37.33525085	0.052349832	59.5043602	0.001286226	0.000926591	5.53849E-06	0.007913607	0.003458318	0.101576805	0.023754772	6.98097E-06	27.12460327	3.13385E-05	0.000610704	0.000322823
2067 Jul	187.4228363	0.18714498	0.276682705	0.006517385	39.29060745	0.055163186	63.11620712	0.0013564	0.000977435	5.85216E-06	0.008359381	0.003654625	0.107850984	0.024978269	7.36699E-06	28.62697411	3.31469E-05	0.000643339	0.000340319
2067 Aug	193.6923523	0.191295192	0.282693774	0.006660148	40.13773346	0.056577843	65.2518692	0.00139031	0.00100467	6.02999E-06	0.008593904	0.003756828	0.111690409	0.025580008	7.56325E-06	29.46302986	3.40591E-05	0.000657081	0.000350329
2067 Sep	196.3181458	0.192437008	0.283523858	0.006679507	40.27088928	0.056923535	66.14743042	0.001397091	0.00101173	6.08712E-06	0.008677928	0.00378716	0.113401294	0.02570709	7.61172E-06	29.75863647	3.43686E-05	0.000659291	0.000353733
2067 Oct	191.6942596	0.186817586	0.272402942	0.006424806	38.82598114	0.055304665	64.52170563	0.001355006	0.000985657	5.93994E-06	0.008499082	0.003676552	0.110829279	0.024951497	7.39155E-06	29.01931763	3.34836E-05	0.000636495	0.000344464
2067 Nov	191.816803	0.186552271	0.271435559	0.006401403	38.68667221	0.055210274	64.62689972	0.001351598	0.000982748	5.92891E-06	0.0084971	0.003675702	0.111057088	0.024888327	7.37558E-06	29.0026474	3.34735E-05	0.000635378	0.000343918
2067 Dec	192.1045837	0.186713085	0.271662533	0.006406294	38.71430206	0.055247493	64.73080444	0.001352426	0.000983363	5.93423E-06	0.008504991	0.003679673	0.111245811	0.024904869	7.38117E-06	29.03467751	3.35122E-05	0.000635836	0.000344322
2068 Jan	192.2533569	0.186771303	0.271743864	0.006407881	38.72291565	0.055257108	64.7853775	0.001352618	0.000983513	5.93626E-06	0.008508026	0.003681427	0.111346506	0.024910185	7.38298E-06	29.04950142	3.35298E-05	0.000635981	0.000344524
2068 Feb	192.3214264	0.186825156	0.271819502	0.006409625	38.73389435	0.055271767	64.80828094	0.001352981	0.000983783	5.93802E-06	0.00851054	0.003682587	0.111386493	0.024918135	7.38505E-06	29.05942154	3.35404E-05	0.000636164	0.000344655
2068 Mar	192.6582642	0.187152237	0.272293687	0.006420808	38.80181885	0.05536833	64.92137909	0.001355351	0.000985509	5.94843E-06	0.00852544	0.003689037	0.111580715	0.024962384	7.39798E-06	29.11071777	3.35991E-05	0.000637281	0.00034527
2068 Apr	194.0073853	0.188462734	0.274199426	0.006465747	39.0735817	0.055755921	65.3757782	0.001364842	0.000992412	5.99009E-06	0.008585138	0.00371487	0.112361602	0.025137525	7.44978E-06	29.31479645	3.38344E-05	0.000641745	0.000347693
2068 May	194.3565826	0.18869637	0.273860186	0.006460775	39.20538712	0.055813357	65.37116241	0.001372368	0.000997502	6.01106E-06	0.008620377	0.00373466	0.11224249	0.025551746	7.47981E-06	29.61006165	3.39753E-05	0.000647485	0.000353741
2068 Jun	172.3885803	0.170672208	0.252396256	0.005957913	36.13186646	0.050768986	58.88593674	0.001269919	0.000892773	5.34109E-06	0.007672632	0.003459626	0.100207344	0.023495361	6.81524E-06	26.70444298	3.06547E-05	0.000613512	0.00031674
2068 Jul	178.3792114	0.174650699	0.258877635	0.006115193	37.00040817	0.05219001	61.0565567	0.001308759	0.000920991	5.52087E-06	0.007924063	0.003569524	0.104081787	0.024034748	7.02771E-06	27.47262955	3.1692E-05	0.000629878	0.000324788
2068 Aug	188.1239014	0.183056533	0.271208376	0.006406348	38.75879288	0.054759949	64.40671539	0.001372498	0.000967095	5.80695E-06	0.008327732	0.003751533	0.109902643	0.025200495	7.37763E-06	28.8974514	3.3311E-05	0.000659842	0.000341679
2068 Sep	189.4154053	0.183114141	0.269990563	0.006380562	38.64119339	0.054819979	64.81369781	0.001371967	0.000969688	5.8337E-06	0.008373003	0.003756766	0.1107748	0.025190873	7.38511E-06	29.0173378	3.34149E-05	0.000657823	0.000342863
2068 Oct	190.7476044	0.183381483	0.269537985	0.006369828	38.59198761	0.054856528	65.27439117	0.00137151	0.00097096	5.85353E-06	0.008410215	0.003765879	0.111690685	0.025191164	7.39229E-06	29.13506126	3.35522E-05	0.000656961	0.000344259
2068 Nov	191.5923309	0.183975399	0.270346612	0.006388443	38.70380402	0.055020072	65.5711441	0.00137542	0.000973855	5.87375E-06	0.00844012	0.003779393	0.112219945	0.025265198	7.41533E-06	29.24411201	3.36799E-05	0.000658872	0.00034558
2068 Dec	191.7498474	0.184088483	0.270505607	0.006392097	38.72561646	0.055051256	65.62661743	0.001376172	0.000974403	5.87754E-06	0.00844568	0.003781966	0.112318449	0.025279418	7.41972E-06	29.26460838	3.3704E-05	0.000659245	0.000345829
2069 Jan	191.8688965	0.184122697	0.270553261	0.006392979	38.73022461	0.055055849	65.67105103	0.001376254	0.000974469	5.87894E-06	0.008447795	0.003783286	0.11240086	0.025282338	7.42083E-06	29.27576256	3.37174E-05	0.000659333	0.000345984
2069 Feb	191.9382782	0.184159786	0.27060616	0.006394142	38.73730469	0.055064756	65.69580841	0.001376471	0.000974627	5.88025E-06	0.008449689	0.003784286	0.11244534	0.025287418	7.42224E-06	29.28417206	3.37269E-05	0.000659458	0.000346098
2069 Mar	191.9669647	0.184181944	0.270637661	0.006394871	38.74188614	0.055070892	65.70561218	0.001376626	0.000974739	5.88099E-06	0.008450741	0.003784785	0.112462431	0.025290748	7.42312E-06	29.28834343	3.37314E-05	0.000659538	0.000346153
2069 Apr	192.310257	0.184510738	0.271120101	0.00640627	38.8110733	0.055169087	65.82297516	0.001379083	0.000976479	5.89149E-06	0.008465829	0.003791546	0.112663284	0.025336126	7.43637E-06	29.34082985	3.37916E-05	0.000660716	0.000346775
2069 May	195.5753937	0.187548965	0.275481939	0.006509728	39.45692062	0.056071967	66.91321564	0.001402282	0.000993291	5.99247E-06	0.00861033	0.003855101	0.114529766	0.025794137	7.56155E-06	29.8587265	3.4366E-05	0.000671837	0.000353247
2069 Jun	181.9732208	0.174817264	0.256985754	0.006100539	37.00728607	0.052964974	62.34759903	0.001350097	0.000952884	5.70011E-06	0.008246208	0.003661045	0.106577761	0.024662109	7.22325E-06	28.19943047	3.28075E-05	0.00064558	0.000332381
2069 Jul	188.0149689	0.180054069	0.265916914	0.006313336	38.15528107	0.05472881	64.74115753	0.001397965	0.000981739	5.87834E-06	0.008514847	0.003797292	0.110688701	0.025271906	7.46938E-06	28.99887276	3.39739E-05	0.000669127	0.000339319
2069 Aug	194.0516815	0.184292704	0.271882921	0.006457187	39.03326416	0.056171019	66.81381226	0.00143359	0.001009086	6.05321E-06	0.008754578	0.003901694	0.114389196	0.025904195	7.66948E-06	29.84251022	3.49007E-05	0.000684607	0.000349153
2069 Sep	190.2978363	0.180449143	0.26449284	0.006284196	38.00512314	0.055090509	65.70596313	0.001401426	0.000984286	5.91392E-06	0.00858689	0.003827988	0.112567112	0.02526276	7.4955E-06	29.21455383	3.41424E-05	0.000669959	0.000339846
2069 Oct	183.1573029	0.175752178	0.25567916	0.006073634	36.67505646	0.053698536	63.87340164	0.001356797	0.000939896	5.65282E-06	0.008285397	0.003730038	0.109244555	0.024210066	7.22781E-06	28.07468224	3.28692E-05	0.000653526	0.000321024
2069 Nov	182.7038727	0.175682396	0.255042404	0.006060419	36.60120773	0.053705532	63.77921295	0.001355463	0.000937836	5.63983E-06	0.008276303	0.00372601	0.109067425	0.024136709	7.21584E-06	28.00314903	3.27855E-05	0.000652707	0.000319266
2069 Dec	182.8539734	0.175751284	0.255132943	0.006062388	36.6125145	0.053721972	63.83417511	0.001355833	0.000938114	5.64244E-06	0.008280274	0.003728005	0.109167978	0.024144107	7.21846E-06	28.01935005	3.28052E-05	0.000652915	0.000319469
2070 Jan	182.8722839	0.175756529	0.255134761	0.006062414	36.61312103	0.05372265	63.84027863	0.001355849	0.000938137	5.64271E-06	0.008280686	0.003728195	0.109179355	0.024145344	7.21864E-06	28.02163315	3.28072E-05	0.000652927	0.000319505
2070 Feb	182.8800964	0.17575936	0.255135894	0.006062431	36.61380386	0.053722862	63.84242249	0.001355863	0.000938153	5.64284E-06	0.00828085	0.003728293	0.109183073	0.024146762	7.21875E-06	28.02316284	3.28081E-05	0.000652941	0.000319535
2070 Mar	182.9938049	0.17586796	0.255291939	0.006066137	36.6365242	0.053755816	63.88171768	0.0013567	0.000938736	5.64634E-06	0.008285969	0.003730603	0.109250151	0.024162285	7.2232E-06	28.0409317	3.28284E-05	0.000653347	0.000319744
2070 Apr	183.6802063	0.176525801	0.256243944	0.006088757	36.77372742	0.053956416	64.12065125	0.001361772	0.000942252	5.66749E-06	0.008316974	0.003744572	0.109658614	0.024253722	7.25021E-06	28.14667511	3.29512E-05	0.000655795	0.000320961
2070 May	184.3323517	0.177239776	0.25683102	0.006106847	37.03541565	0.054167245	64.162117	0.001372871	0.000951177	5.7092E-06	0.008368295	0.003766054	0.109626688	0.024679538	7.29956E-06	28.46488762	3.3126E-05	0.000661494	0.000327097
2070 Jun	175.5078583	0.169752285	0.246892512	0.005879126	35.95629501	0.051929869	60.96892548	0.001336943	0.000920235	5.48723E-06	0.008013844	0.003645622	0.103682443	0.024421223	7.05396E-06	27.66778755	3.18036E-05	0.000647943	0.000322475
2070 Jul	182.7550507	0.175567731	0.255392104	0.006085758	37.20249557	0.053844802	63.47833633	0.001388915	0.000958	5.71692E-06	0.008346048	0.003786461	0.108067423	0.025313823	7.33252E-06	28.74905396	3.31198E-05	0.000671341	0.00033501
2070 Aug	189.5423889	0.180710569	0.262738734	0.006263267	38.28917694	0.055577163	65.83082581	0.00143282	0.000990345	5.91914E-06	0.008627423	0.003912184	0.112199746	0.026100093	7.57273E-06	29.73691177	3.42173E-05	0.000690982	0.000346572
2070 Sep	186.2267914	0.177003682	0.255018562	0.006085731	37.26010513	0.054540895	64.72922516	0.001401984	0.000970209	5.80666E-06	0.008497572	0.003834887	0.110463001	0.025510915	7.41328E-06	29.17861557	3.35524E-05	0.000674981	0.000338676
2070 Oct	183.2941437	0.175026506	0.25094372	0.005984662	36.57999802	0.053934507	64.20355988	0.001380846	0.000945923	5.67141E-06	0.008363997	0.0038035	0.109481417	0.02497777	7.28544E-06	28.65882874	3.30316E-05	0.000669458	0.000328998
2070 Nov	183.6638336	0.17521739	0.251218736	0.005989927	36.59683228	0.053974353	64.40325165	0.001381112	0.000944938	5.6702E-06	0.00836615	0.003810333	0.109830476	0.024954816	7.28696E-06	28.67406845	3.30634E-05	0.00067012	0.000328771
2070 Dec	183.7831268	0.175251514	0.251261234	0.005990767	36.60133743	0.053980596	64.44786072	0.001381232	0.000945037	5.67177E-06	0.008368573	0.003811686	0.109913319	0.024957787	7.28826E-06	28.6853447	3.30774E-05	0.000670213	0.00032892
2071 Jan	183.8080902	0.175258458	0.251267105	0.005990877	36.6022644	0.053981666	64.45668793	0.001381256	0.000945063	5.67211E-06	0.008369094	0.00381196	0.109929711	0.024958996	7.28852E-06	28.68811035	3.30802E-05	0.000670232	0.000328961
2071 Feb	183.8111267	0.175261125	0.251268715	0.005990916	36.60297394	0.053982183	64.45716095	0.001381277	0.000945082	5.67222E-06	0.008369219	0.003812019	0.109930307	0.024960211	7.28862E-06	28.68911362	3.30807E-05	0.000670246	0.000328981
2071 Mar	183.8377686	0.175286457	0.251303762	0.005991753	36.60834503	0.05398982	64.46618652	0.001381476	0.000945221	5.67304E-06	0.008370426	0.00381257	0.109945573	0.024964275	7.28968E-06	28.69356728	3.30854E-05	0.000670345	0.000329037
2071 Apr	184.1379089	0.175572604	0.251713336	0.006001518	36.66815567	0.054077864	64.57125092	0.001383731	0.000946766	5.68231E-06	0.00838409	0.003818794	0.1101247	0.025005287	7.30157E-06	28.74058342	3.31394E-05	0.00067144	0.000329578
2071 May	182.8339539	0.17442359	0.249718294	0.00595736	36.56940842	0.053695161	63.93609238	0.001381033	0.000945377	5.66133E-06	0.008342187	0.003803718	0.108900696	0.02521977	7.2746E-06	28.78770447	3.29679E-05	0.000671161	0.000332995
2071 Jun	171.1392212	0.1646384	0.238849312	0.00569885	35.09414673	0.050749689	60.18401718	0.001328836	0.000894214	5.32464E-06	0.007820895	0.003648551	0.101884209	0.024335301	6.92515E-06	27.36929321	3.11742E-05	0.000652075	0.000318071
2071 Jul	175.5601807	0.168497235	0.245668814	0.005862208	35.97411346	0.052086622	61.9838295	0.00136672	0.000916127	5.45859E-06	0.00801929	0.003753766	0.104943044	0.024783406	7.11372E-06	27.95589066	3.20415E-05	0.000670406	0.000322786
2071 Aug	182.3657227	0.174306706	0.253951907	0.006062019	37.21027756	0.053984459	64.3660965	0.001415795	0.000950451	5.66736E-06	0.008318055	0.003890387	0.109057367	0.025665199	7.37377E-06	29.00242805	3.32065E-05	0.000693491	0.000334813
2071 Sep	180.355896	0.171313822	0.24794732	0.005927831	36.4590416	0.053260125	63.53568268	0.001393814	0.000940524	5.61319E-06	0.008237122	0.003826316	0.107849985	0.025253968	7.26878E-06	28.64268303	3.27126E-05	0.000679391	0.000330185
2071 Oct	179.3552094	0.170169011	0.245121136	0.005858716	36.02046967	0.052900188	63.4191246	0.001381399	0.000928214	5.55014E-06	0.008186999	0.003811573	0.107677296	0.024992796	7.2013E-06	28.43305397	3.25127E-05	0.000675781	0.000326213
2071 Nov	179.4113159	0.170284823	0.244320512	0.005840091	35.90916061	0.052956827	63.57118607	0.001380933	0.000925736	5.53924E-06	0.008200179	0.00381912	0.107943818	0.024961423	7.19555E-06	28.43478012	3.25333E-05	0.00067673	0.000325155
2071 Dec	179.5080872	0.170322746	0.244301721	0.005839701	35.90778732	0.05296845	63.61097788	0.001381107	0.000925832	5.54059E-06	0.008203695	0.003820517	0.108017571	0.024964334	7.1968E-06	28.44528008	3.25463E-05	0.000676845	0.000325239
2072 Jan	179.52388	0.170337856	0.244316936	0.005840076	35.9107132	0.052972883	63.6158371	0.001381224	0.000925916	5.54108E-06	0.008204465	0.003820848	0.108025983	0.024967352	7.19741E-06	28.44838715	3.25491E-05	0.000676905	0.000325282
2072 Feb	179.5441132	0.170357421	0.244344503	0.005840684	35.91473007	0.052977998	63.62389755	0.00138136	0.000925975	5.54147E-06	0.008205157	0.003821364	0.10803891	0.024970874	7.19807E-06	28.45206642	3.25525E-05	0.000677003	0.00032533
2072 Mar	179.5763702	0.170388117	0.244387805	0.005841701	35.92120743	0.05298708	63.63549042	0.0013816	0.000926126	5.54238E-06	0.008206537	0.003822079	0.108058259	0.024975827	7.19931E-06	28.45748711	3.25582E-05	0.000677133	0.000325396
2072 Apr	180.0911407	0.170876712	0.24508889	0.005858438	36.02415085	0.053138662	63.818367	0.001385552	0.000928761	5.55817E-06	0.008229963	0.003833068	0.108368531	0.025047548	7.21989E-06	28.53914642	3.26515E-05	0.000679082	0.000326331
2072 May	182.7416534	0.173389137	0.248690218	0.00594453	36.55397797	0.053919796	64.75696564	0.001405932	0.000942431	5.63998E-06	0.008351074	0.003889451	0.109962381	0.025416732	7.3261E-06	28.95956612	3.31319E-05	0.000689071	0.000331147
2072 Jun	175.9780273	0.166797101	0.240835592	0.005777676	35.37641907	0.052467126	62.49260712	0.00138691	0.000929782	5.53467E-06	0.008208149	0.003786483	0.106136963	0.024601433	7.19373E-06	27.9554615	3.25068E-05	0.000673885	0.000316534
2072 Jul	178.6109924	0.168197483	0.24353981	0.005850742	35.75944138	0.0532589	63.49651337	0.001412191	0.000947763	5.64038E-06	0.008350883	0.003845741	0.107924215	0.02486966	7.32053E-06	28.3133297	3.30474E-05	0.000682953	0.000319454
2072 Aug	179.3515472	0.168169931	0.243522465	0.005850168	35.71127701	0.053663559	64.13030243	0.001414777	0.000945103	5.63445E-06	0.008339942	0.003879123	0.109037243	0.024804661	7.33623E-06	28.36079788	3.29563E-05	0.000687503	0.000316745
2072 Sep	178.9572601	0.167716965	0.242619216	0.005823685	35.49221802	0.053671826	64.44013977	0.001412596	0.000932991	5.575E-06	0.008277144	0.003892323	0.109526873	0.024571754	7.29629E-06	28.21591949	3.27289E-05	0.000689124	0.000311827
2072 Oct	175.5217133	0.165392056	0.238827422	0.00572838	34.8556633	0.052815806	63.63417053	0.001385966	0.000906256	5.42642E-06	0.008085993	0.003837273	0.108016074	0.023892133	7.13851E-06	27.55610466	3.20071E-05	0.000678375	0.000301177
2072 Nov	175.7059326	0.165370286	0.238665327	0.005723658	34.81928635	0.052781943	63.76880264	0.001384323	0.000903986	5.41829E-06	0.008078487	0.003839066	0.108252965	0.023832865	7.12956E-06	27.53832436	3.19952E-05	0.000677918	0.000300561
2072 Dec	175.9118958	0.165406659	0.238711119	0.005724486	34.82331467	0.052786846	63.84704971	0.001384396	0.000904053	5.42057E-06	0.008081988	0.003841242	0.108398892	0.023835631	7.13119E-06	27.55648422	3.2018E-05	0.000678029	0.000300807
2073 Jan	175.9613495	0.165417999	0.238723055	0.005724718	34.8249321	0.052788757	63.86520767	0.001384438	0.000904092	5.42121E-06	0.008082049	0.003841794	0.108432494	0.023837395	7.13168E-06	27.56154442	3.20237E-05	0.000678067	0.00030088
2073 Feb	175.9771576	0.165432498	0.238741532	0.005725162	34.82814789	0.05279303	63.87027359	0.001384558	0.000904177	5.4217E-06	0.008083655	0.00384213	0.108440876	0.023840405	7.1323E-06	27.56459427	3.20264E-05	0.000678129	0.000300923
2073 Mar	176.0426788	0.165494025	0.238828942	0.005727259	34.84119034	0.052812468	63.89368439	0.001385072	0.000904516	5.42372E-06	0.008086656	0.003843557	0.108480491	0.023849772	7.13495E-06	27.57518005	3.20383E-05	0.000678383	0.000301044
2073 Apr	177.1647034	0.166546315	0.240346804	0.005763655	35.06274033	0.053148072	64.30076599	0.001393876	0.000910267	5.45823E-06	0.0081381	0.003868018	0.109171763	0.024001678	7.18031E-06	27.75090218	3.22422E-05	0.000682698	0.000302966
2073 May	179.1928101	0.166381299	0.239572972	0.005743793	35.15891647	0.05291057	64.86592865	0.001396994	0.000912654	5.48298E-06	0.008166089	0.003897594	0.110095583	0.02446842	7.19683E-06	28.21966553	3.24985E-05	0.00068744	0.000313086
2073 Jun	174.7039185	0.160806909	0.23276408	0.005576094	34.39606476	0.050892513	63.30894852	0.001368115	0.000884879	5.31293E-06	0.00789936	0.003835155	0.107049793	0.024417147	7.00598E-06	27.88106155	3.17698E-05	0.000680238	0.000315204
2073 Jul	180.5164948	0.165770665	0.240943953	0.005769883	35.49521637	0.052558862	65.64369965	0.001413589	0.00091052	5.47361E-06	0.008135338	0.003970429	0.110984392	0.025063319	7.23248E-06	28.6988678	3.27975E-05	0.000703254	0.000322889
2073 Aug	186.7110748	0.170374423	0.247498602	0.005930336	36.48962784	0.054184124	67.86203003	0.001456485	0.000940296	5.65864E-06	0.008396551	0.00409357	0.114841975	0.025812162	7.45914E-06	29.62599564	3.3819E-05	0.000722968	0.000333395
2073 Sep	186.672226	0.169142932	0.244584233	0.005865996	36.13870239	0.053903278	67.7742157	0.001446506	0.000937117	5.64919E-06	0.008382685	0.004070131	0.114869259	0.025634035	7.41915E-06	29.54234505	3.36812E-05	0.00071615	0.000332313

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Oct	184.6226654	0.166792408	0.239210784	0.005734581	35.31393051	0.053116757	67.40142059	0.001420986	0.000914208	5.53086E-06	0.008277599	0.004031972	0.114291444	0.025128216	7.28452E-06	29.12087059	3.32676E-05	0.000707487	0.000325205
2073 Nov	185.0901031	0.166981563	0.239136577	0.005729445	35.2575531	0.053143483	67.76252747	0.001420641	0.000910232	5.51596E-06	0.008281668	0.004047817	0.114901043	0.025100827	7.27996E-06	29.14974022	3.33347E-05	0.000709782	0.000324651
2073 Dec	185.3813019	0.167082056	0.239273772	0.005732486	35.27531815	0.053169306	67.87233734	0.001421276	0.00091066	5.52054E-06	0.008288628	0.004051718	0.115101218	0.025113607	7.28454E-06	29.18048859	3.3372E-05	0.000710178	0.000325041
2074 Jan	185.5336456	0.167099163	0.239295125	0.00573281	35.27690125	0.05317004	67.93026733	0.001421267	0.000910667	5.52204E-06	0.008290884	0.004053253	0.115209334	0.025115294	7.28545E-06	29.19376945	3.33882E-05	0.00071024	0.000325231
2074 Feb	185.5944824	0.167107075	0.239304632	0.005732966	35.27806091	0.053170573	67.95298767	0.001421279	0.000910681	5.52267E-06	0.008291812	0.004053894	0.115251407	0.025116885	7.28588E-06	29.19964409	3.33948E-05	0.000710276	0.00032532
2074 Mar	185.6946411	0.167196393	0.239431173	0.005735997	35.29699326	0.053198766	67.98929596	0.001422036	0.00091117	5.52563E-06	0.008296249	0.004056066	0.115312926	0.025130805	7.28977E-06	29.21565437	3.34127E-05	0.000710657	0.000325504
2074 Apr	186.6700439	0.168074638	0.240688056	0.005766108	35.48244858	0.053478092	68.34620667	0.001429506	0.000915957	5.55466E-06	0.008339823	0.00407737	0.115918189	0.025263097	7.32806E-06	29.36930466	3.35882E-05	0.000714391	0.000327219
2074 May	187.6252747	0.167380586	0.239285648	0.005730817	35.5305748	0.053056031	68.54026031	0.001431192	0.000915474	5.55468E-06	0.008331734	0.004099879	0.116094977	0.025774123	7.32549E-06	29.7857914	3.37158E-05	0.000719658	0.000337365
2074 Jun	177.7157898	0.158739895	0.229870006	0.005490883	34.17982101	0.050035261	65.48547363	0.001376131	0.000859706	5.21014E-06	0.007815782	0.003967811	0.11025022	0.025006721	6.97003E-06	28.5771656	3.2103E-05	0.000703126	0.000326395
2074 Jul	185.8950043	0.165461898	0.240170673	0.005738167	35.65158844	0.052271731	68.61640167	0.001439186	0.000898059	5.44683E-06	0.008169838	0.004151147	0.1155691	0.026017232	7.28776E-06	29.80434227	3.35908E-05	0.000734616	0.000339327
2074 Aug	196.2141876	0.173434824	0.251663774	0.006013028	37.35886002	0.054828089	72.42299652	0.001508917	0.000942497	5.72848E-06	0.008587021	0.004363624	0.122097656	0.02728034	7.65025E-06	31.35840988	3.53382E-05	0.000770029	0.000357236
2074 Sep	196.1849518	0.170832291	0.246144518	0.005888009	36.64405441	0.054099154	72.2974472	0.001484931	0.000932659	5.69432E-06	0.008538638	0.004312901	0.122227505	0.026856977	7.55382E-06	31.14141273	3.50726E-05	0.000755432	0.000354909
2074 Oct	196.0277252	0.168551281	0.241018787	0.005769874	35.95384216	0.053371023	72.20266724	0.001461081	0.000920875	5.64877E-06	0.008489368	0.004266587	0.122354217	0.02642961	7.45437E-06	30.90711594	3.48365E-05	0.000742107	0.000352127
2074 Nov	199.1324921	0.168947384	0.241546109	0.005776939	35.96037674	0.053397279	73.49562073	0.001460559	0.000918604	5.66778E-06	0.008529942	0.004303396	0.124735348	0.026418827	7.46868E-06	31.15106773	3.51719E-05	0.000744348	0.000354988
2074 Dec	199.7428741	0.169070929	0.241735175	0.00578059	35.97781372	0.053419843	73.7389679	0.001461041	0.000918711	5.67392E-06	0.008540137	0.004310987	0.125181079	0.026429465	7.47427E-06	31.20610046	3.52427E-05	0.000744954	0.000355683
2075 Jan	199.8562317	0.169093251	0.241765648	0.005781178	35.98104858	0.053423855	73.78327942	0.001461131	0.000918745	5.67512E-06	0.008542088	0.004312369	0.12526232	0.02643219	7.47531E-06	31.21683884	3.52558E-05	0.000745063	0.000355826
2075 Feb	199.9369049	0.1691311	0.24182117	0.005782405	35.98843384	0.053433981	73.81526947	0.001461404	0.000918875	5.67637E-06	0.008544143	0.004313754	0.125318542	0.026437929	7.47691E-06	31.22665024	3.52671E-05	0.000745253	0.000355946
2075 Mar	200.148407	0.169299662	0.242061377	0.005788128	36.02419281	0.053486645	73.89348602	0.001462846	0.000919779	5.68209E-06	0.008552757	0.004318172	0.125452012	0.02646457	7.48437E-06	31.258955	3.53034E-05	0.000746001	0.000356322
2075 Apr	201.1311798	0.170108244	0.243216991	0.005815729	36.19598389	0.053741261	74.25660706	0.001469807	0.000924158	5.70943E-06	0.008593897	0.004339031	0.12607035	0.02659102	7.52017E-06	31.41046715	3.54746E-05	0.000749565	0.000358058
2075 May	205.3625641	0.171527252	0.244815484	0.005853697	36.50875473	0.054111291	75.70893097	0.001482218	0.000934206	5.79155E-06	0.008712393	0.00439789	0.128691152	0.026979661	7.60047E-06	31.98818207	3.60602E-05	0.000756795	0.000366859
2075 Jun	191.665802	0.162046537	0.23392193	0.005607124	34.63156128	0.051886342	71.52358246	0.001445355	0.000897395	5.51353E-06	0.008379307	0.004232496	0.121296771	0.025517508	7.33274E-06	30.04210472	3.46763E-05	0.000737286	0.000336428
2075 Jul	192.4246216	0.163496077	0.237912565	0.005706339	35.05431747	0.052700635	72.2613678	0.001476154	0.000909441	5.5715E-06	0.008483453	0.004302952	0.122412182	0.025642782	7.45546E-06	30.15531921	3.51416E-05	0.000752231	0.000333469
2075 Aug	197.8008728	0.167067781	0.242906809	0.005830302	35.82969666	0.054030057	74.2225647	0.001512172	0.000934082	5.72747E-06	0.008705506	0.004409287	0.125844598	0.026258726	7.64491E-06	30.94743156	3.60153E-05	0.000768839	0.000342293
2075 Sep	200.7127533	0.168576434	0.244559348	0.005872332	36.10900497	0.054558229	75.2687912	0.001525552	0.000944121	5.79866E-06	0.008812333	0.004455728	0.127738073	0.026497439	7.72189E-06	31.32769012	3.64403E-05	0.000774902	0.000346636
2075 Oct	199.7569427	0.167244807	0.241360486	0.005801049	35.7189064	0.054160651	74.81304932	0.001512107	0.000938883	5.77137E-06	0.008777962	0.004416887	0.127081439	0.026273141	7.66243E-06	31.13799667	3.6205E-05	0.000766239	0.00034452
2075 Nov	200.5816193	0.167505905	0.241486669	0.005804725	35.74913025	0.054241173	75.10740662	0.001513818	0.000940564	5.78689E-06	0.008802919	0.004426449	0.12763229	0.026307853	7.67553E-06	31.22741508	3.63102E-05	0.000766932	0.000345611
2075 Dec	200.8171692	0.167578131	0.241572618	0.005806706	35.76130676	0.054261204	75.19590759	0.001514315	0.000940921	5.79067E-06	0.008808764	0.004429527	0.127794355	0.026317777	7.67916E-06	31.25230598	3.63404E-05	0.000767227	0.000345924
2076 Jan	200.8582458	0.167593062	0.241587579	0.005807059	35.76405334	0.054265197	75.21053314	0.001514422	0.000941004	5.79141E-06	0.008809883	0.004430085	0.127820849	0.026320787	7.67989E-06	31.25746536	3.63457E-05	0.000767289	0.000345997
2076 Feb	200.9284058	0.167651787	0.241668805	0.005809014	35.77680206	0.054283708	75.23583221	0.001514949	0.000941341	5.79345E-06	0.00881295	0.004431624	0.127863511	0.026331231	7.68256E-06	31.26919937	3.63583E-05	0.00076756	0.00034614
2076 Mar	201.1187897	0.167810738	0.241896078	0.005814478	35.81083679	0.054334901	75.30659485	0.001516384	0.000942237	5.79896E-06	0.008821295	0.004435818	0.127983585	0.026356859	7.68983E-06	31.29927444	3.63927E-05	0.000768289	0.00034648
2076 Apr	201.6808472	0.168279752	0.242571145	0.005830705	35.91099548	0.054486617	75.51675415	0.001520621	0.000944872	5.81517E-06	0.008845945	0.004448212	0.128340662	0.026430897	7.71132E-06	31.38699341	3.64943E-05	0.000770437	0.000347455
2076 May	201.943985	0.168440387	0.241558388	0.005813912	36.02888107	0.05454484	75.25749969	0.001529023	0.000955273	5.86111E-06	0.008907375	0.004456006	0.127835155	0.026925743	7.75072E-06	31.73111343	3.66445E-05	0.000773937	0.000355109
2076 Jun	186.0077209	0.157648221	0.226413772	0.005450553	34.10796356	0.051010299	69.39811707	0.001455617	0.000899399	5.46443E-06	0.008317953	0.004212038	0.117178172	0.026094617	7.30253E-06	30.03292084	3.42646E-05	0.00074311	0.00034024
2076 Jul	190.5872803	0.161746264	0.233743429	0.005623403	35.04487228	0.05244204	71.455513	0.001497542	0.000919144	5.58756E-06	0.008507827	0.004337522	0.120586634	0.026574964	7.49806E-06	30.65668297	3.51375E-05	0.000765231	0.000344509
2076 Aug	198.4977264	0.167565271	0.241957247	0.005824293	36.30963898	0.054464523	74.37602234	0.001554117	0.000955825	5.8162E-06	0.008844241	0.004504024	0.12561743	0.027571063	7.78843E-06	31.87413216	3.64954E-05	0.000792874	0.000358223
2076 Sep	201.6730957	0.169098318	0.243557662	0.005865499	36.58967209	0.055002876	75.51791382	0.00156782	0.000966211	5.89152E-06	0.008957926	0.004553345	0.127689078	0.027820542	7.86836E-06	32.28356171	3.69526E-05	0.000799099	0.00036297
2076 Oct	197.6667786	0.165089637	0.235727236	0.005686572	35.55378342	0.053765442	73.85697174	0.001528533	0.000947081	5.78038E-06	0.008800392	0.004436824	0.125056133	0.027131362	7.6838E-06	31.58839417	3.6137E-05	0.000775901	0.00035499
2076 Nov	197.7064056	0.164545357	0.23447983	0.0056582	35.39271927	0.053591575	73.84148407	0.001522594	0.000944587	5.77188E-06	0.008789939	0.004424816	0.125107154	0.027032085	7.66038E-06	31.54007721	3.60832E-05	0.0007724	0.000354543
2076 Dec	198.0559235	0.16462265	0.234583214	0.005660468	35.40600967	0.053610932	73.97491455	0.001523084	0.000944914	5.77662E-06	0.008797161	0.004429121	0.125352114	0.02704283	7.66465E-06	31.57456589	3.61257E-05	0.000772759	0.000354994
2077 Jan	198.1155548	0.164631963	0.234591931	0.005660644	35.40738297	0.053612646	73.99708557	0.001523125	0.000944952	5.77735E-06	0.008798263	0.004429773	0.125393167	0.027044633	7.6652E-06	31.58050346	3.61324E-05	0.000772801	0.00035508
2077 Feb	198.1395569	0.16465193	0.234617919	0.005661272	35.41183472	0.053618774	74.00533295	0.001523306	0.000945071	5.77806E-06	0.008799315	0.004430301	0.125406906	0.027048806	7.66611E-06	31.58491516	3.61367E-05	0.000772896	0.000355139
2077 Mar	198.2090149	0.164709419	0.234698474	0.005663216	35.42428207	0.053637277	74.03089905	0.001523836	0.000945404	5.78009E-06	0.008802383	0.004431845	0.125450104	0.027058732	7.66878E-06	31.59628487	3.61493E-05	0.000773167	0.000355272
2077 Apr	198.8789368	0.165266156	0.235491008	0.005682339	35.54406738	0.053818461	74.28089142	0.001528986	0.000948601	5.79963E-06	0.008832132	0.004446822	0.125873655	0.027150473	7.69469E-06	31.70326042	3.62714E-05	0.000775781	0.000356478
2077 May	199.4012909	0.165664524	0.235437572	0.005682083	35.67899704	0.053902574	74.37127686	0.001536523	0.000953307	5.821E-06	0.008869586	0.004468471	0.125930548	0.027521294	7.72515E-06	31.98503304	3.64244E-05	0.000781315	0.000361918
2077 Jun	186.9224854	0.156363204	0.223434016	0.005385266	33.96826172	0.050814148	70.15670013	0.001471159	0.000897403	5.45631E-06	0.008346817	0.004282382	0.118231177	0.026562847	7.32947E-06	30.46505547	3.45043E-05	0.000756668	0.000346257
2077 Jul	194.8609161	0.16208747	0.231578469	0.00558899	35.24686813	0.052846923	73.05027771	0.00153362	0.000939055	5.70819E-06	0.008727049	0.004454206	0.123224661	0.027627079	7.64566E-06	31.72593117	3.60363E-05	0.000786065	0.000360619
2077 Aug	203.1534271	0.16823189	0.240159631	0.005799039	36.58485413	0.054966357	76.11814117	0.001593951	0.000977705	5.94808E-06	0.009083878	0.004631678	0.128490895	0.028706474	7.95269E-06	33.02676392	3.74805E-05	0.000815932	0.000375395
2077 Sep	197.7048798	0.162923798	0.230470747	0.005572961	35.20632935	0.053487457	74.17656708	0.001544236	0.000947514	5.77509E-06	0.008846246	0.004497913	0.125390679	0.027735049	7.7086E-06	32.06454086	3.63308E-05	0.000789659	0.000362259
2077 Oct	198.4161224	0.162924275	0.229412556	0.00554408	35.00001144	0.053461242	74.75639343	0.001540348	0.000939365	5.7445E-06	0.008848147	0.004516768	0.126417488	0.027607676	7.68668E-06	32.06593323	3.63888E-05	0.000791181	0.000360438
2077 Nov	199.3527985	0.163320914	0.229932323	0.005556308	35.07580185	0.053582434	75.11689758	0.001543661	0.00094136	5.76169E-06	0.008875351	0.004531821	0.127061352	0.027669236	7.70629E-06	32.17788315	3.65222E-05	0.000793104	0.00036177
2077 Dec	199.5463867	0.163393959	0.230028465	0.005558575	35.08996964	0.053604513	75.19029999	0.001544267	0.000941749	5.76517E-06	0.008880707	0.004534732	0.127193466	0.027680887	7.71005E-06	32.2003746	3.65489E-05	0.000793452	0.000362048
2078 Jan	199.6048431	0.163419068	0.230059952	0.005559325	35.09501648	0.053612053	75.21195221	0.001544479	0.00094189	5.76631E-06	0.008882446	0.004535653	0.127232075	0.027685491	7.71131E-06	32.20784378	3.65572E-05	0.000793572	0.000362144
2078 Feb	199.6336517	0.163441703	0.230089769	0.005560046	35.09999847	0.053619131	75.22221375	0.001544689	0.000942023	5.76713E-06	0.008883677	0.004536283	0.127249345	0.027690055	7.71237E-06	32.21287537	3.65623E-05	0.000793683	0.000362209
2078 Mar	199.6850586	0.163483873	0.230148017	0.005561454	35.10912323	0.053632792	75.24125671	0.001545086	0.000942269	5.76862E-06	0.008885961	0.004537447	0.127281427	0.0276976	7.71435E-06	32.22143936	3.65717E-05	0.000793889	0.00036231
2078 Apr	200.9002991	0.164477542	0.231546268	0.005595241	35.32255554	0.053958654	75.69898987	0.001554476	0.000947996	5.8037E-06	0.008939985	0.004565038	0.128055796	0.027866174	7.76124E-06	32.41755295	3.67941E-05	0.000798715	0.000364518
2078 May	198.4516754	0.162058786	0.227566838	0.00549913	35.04135513	0.052970402	74.51166534	0.001539978	0.000938783	5.73508E-06	0.008817207	0.004523885	0.125794932	0.028145561	7.67075E-06	32.42656326	3.63651E-05	0.000794785	0.000370533
2078 Jun	188.4204407	0.155669793	0.221231803	0.005329592	34.01493835	0.050637513	71.30225372	0.001488965	0.000889469	5.4192E-06	0.008330625	0.004383567	0.119744495	0.027265936	7.34966E-06	31.10444069	3.46655E-05	0.00077669	0.000355669
2078 Jul	197.6879578	0.16265209	0.231282026	0.005574667	35.56083679	0.053037968	74.80943298	0.001559953	0.00093303	5.6877E-06	0.008735652	0.004592282	0.125702992	0.028513566	7.70362E-06	32.57863235	3.63421E-05	0.000812397	0.000372278
2078 Aug	202.7334747	0.165270567	0.234794572	0.005666076	36.158638	0.054176554	76.63503265	0.001591407	0.000955599	5.83342E-06	0.008934575	0.004687027	0.128937826	0.029063554	7.87123E-06	33.31291199	3.71085E-05	0.000825975	0.000380735
2078 Sep	206.4278259	0.166389734	0.235773966	0.005693942	36.36553574	0.054664575	77.95896149	0.001603231	0.000965615	5.91341E-06	0.009047396	0.004736732	0.131396413	0.029279519	7.94722E-06	33.75101089	3.75697E-05	0.000830997	0.000385893
2078 Oct	206.7812195	0.164845034	0.232540533	0.005619622	35.92516327	0.05416004	78.02352142	0.001585861	0.000957906	5.88873E-06	0.009014568	0.004704735	0.131736368	0.028976368	7.8807E-06	33.61501312	3.74416E-05	0.000821158	0.000384647
2078 Nov	207.2891083	0.164801493	0.232205167	0.005612534	35.88900375	0.054147083	78.19697571	0.001584812	0.000957995	5.89483E-06	0.009025204	0.004706335	0.132086858	0.028960653	7.88041E-06	33.65007782	3.74863E-05	0.00082038	0.000385122
2078 Dec	207.4733429	0.164851665	0.232268348	0.005614009	35.89829636	0.054161716	78.26700592	0.001585207	0.000958255	5.89769E-06	0.009029601	0.004708809	0.132214352	0.028968742	7.88322E-06	33.66978836	3.75099E-05	0.000820626	0.000385374
2079 Jan	207.6126099	0.164851472	0.232264668	0.005613828	35.8970871	0.054159071	78.32027435	0.001585111	0.00095821	5.89886E-06	0.009031337	0.004710058	0.13231428	0.028968662	7.88369E-06	33.68107986	3.7524E-05	0.00082064	0.000385541
2079 Feb	207.6429138	0.164852634	0.232264251	0.0056138	35.89728928	0.054158639	78.3313446	0.001585102	0.000958211	5.89915E-06	0.009031743	0.004710349	0.132334813	0.028969577	7.88383E-06	33.68412781	3.75271E-05	0.000820651	0.000385591
2079 Mar	207.7871857	0.164955139	0.23240754	0.005617253	35.91958237	0.054191876	78.38556671	0.001586077	0.000958804	5.90295E-06	0.009037538	0.004713413	0.132427365	0.028987976	7.88879E-06	33.70655441	3.75519E-05	0.000821165	0.000385856
2079 Apr	208.5352325	0.165541083	0.233232468	0.005637184	36.04714966	0.054384109	78.66766357	0.001591704	0.000962207	5.92401E-06	0.009069758	0.004730245	0.132904574	0.029091163	7.91684E-06	33.82723618	3.76863E-05	0.000824084	0.000387243
2079 May	211.3590546	0.167740464	0.236190796	0.00570952	36.53727341	0.055101566	79.68333435	0.001613468	0.000976114	6.00794E-06	0.009196395	0.004793268	0.134616897	0.029533098	8.02546E-06	34.31695938	3.82024E-05	0.000835238	0.000393353
2079 Jun	193.6548615	0.154759452	0.219616726	0.005315306	33.88005447	0.051303703	73.75393677	0.001529729	0.00091172	5.57266E-06	0.008611895	0.004511829	0.124249764	0.027587594	7.53527E-06	31.77550507	3.58561E-05	0.000794608	0.000359794
2079 Jul	194.6955566	0.155431762	0.222193465	0.005379264	34.10026169	0.051813409	74.54823303	0.001549694	0.000918394	5.61226E-06	0.008680461	0.004564035	0.125573224	0.027547041	7.61546E-06	31.81755257	3.62014E-05	0.000803737	0.000356508
2079 Aug	202.3872681	0.160381332	0.229142293	0.005551749	35.20239639	0.0536451	77.43507385	0.001603057	0.000952473	5.8286E-06	0.008998233	0.004725633	0.130559981	0.028484169	7.88757E-06	32.99006653	3.75017E-05	0.000829726	0.000369806
2079 Sep	200.9511414	0.158423737	0.224629626	0.005449121	34.60136414	0.053098332	76.86496735	0.001581627	0.000941716	5.77411E-06	0.008930821	0.004671255	0.129768178	0.028076909	7.79185E-06	32.66173553	3.71066E-05	0.000817375	0.000365209
2079 Oct	201.038681	0.158201039	0.223196268	0.005407889	34.29771042	0.052972943	77.37620544	0.001574471	0.00092788	5.71105E-06	0.008902084	0.004689318	0.130626202	0.027866699	7.74645E-06	32.56800461	3.70709E-05	0.000819334	0.000361464
2079 Nov	200.5527649	0.158047408	0.22247678	0.005389456	34.16968918	0.052914217	77.34893036	0.001570841	0.000922715	5.68343E-06	0.008881235	0.004686592	0.130560637	0.027746214	7.72278E-06	32.46611404	3.69756E-05	0.000818643	0.000359062
2079 Dec	199.8114319	0.157688871	0.221600443	0.005369484	34.04595947	0.052801315	77.09966278	0.001565916	0.000919426	5.6633E-06	0.008855314	0.004670941	0.130138367	0.027615927	7.69644E-06	32.33367157	3.6829E-05	0.000815625	0.000356901
2080 Jan	199.8414612	0.15769951	0.221611246	0.00536969	34.04756546	0.052803561	77.11260986	0.001565976	0.000919421	5.66352E-06	0.008855842	0.004671478	0.130160779	0.027617821	7.69679E-06	32.33732224	3.68326E-05	0.000815695	0.000356946
2080 Feb	199.8728638	0.157722846	0.22164239	0.005370388	34.0525856	0.052810051	77.12538147	0.001566182	0.000919509	5.66412E-06	0.008856892	0.004672267	0.130181581	0.027622975	7.69776E-06	32.34298325	3.68378E-05	0.000815838	0.00035702
2080 Mar	199.894043	0.157739714	0.221664473	0.005370906	34.05627441	0.052815091	77.13345337	0.001566339	0.000919592	5.66464E-06	0.008857735	0.004672786	0.130194813	0.027626649	7.69851E-06	32.34690094	3.68415E-05	0.000815933	0.000357071
2080 Apr	200.3712006	0.15811646	0.22219263	0.005383699	34.13768387	0.052940954	77.317276	0.001570076	0.000921787	5.67815E-06	0.008878858	0.004683943	0.130504906	0.027693108	7.71688E-06	32.42444992	3.69294E-05	0.000817883	0.000357932
2080 May	203.4166718	0.160497189	0.225516811	0.005464354	34.65335846	0.053736731	78.48453522	0.001593791	0.000935828	5.7646E-06	0.009013684	0.004754666	0.132475972	0.028118638	7.83364E-06	32.92051697	3.74897E-05	0.00083023	0.000363497
2080 Jun	193.7559357	0.153563887	0.217890278	0.005296441	33.41101074	0.051942669	74.93260956	0.001558055	0.000916556	5.60587E-06	0.008757576	0.004581249	0.12643075	0.026952386	7.62551E-06	31.44020653	3.63168E-05	0.000803878	0.000343294
2080 Jul	192.8904114	0.152811348	0.218391255	0.005314656	33.38901138	0.052077774	74.85407257	0.001568476	0.00092067	5.61944E-06	0.008767202	0.004590565	0.126266107	0.026793627	7.65821E-06	31.26217461	3.63437E-05	0.000805998	0.000338409
2080 Aug	197.0455017	0.155159906	0.22151266	0.005396964	33.92183685	0.05316541	76.40950012	0.00159909	0.000941398	5.74843E-06	0.008948252	0.004678496	0.12899296	0.027295915	7.81423E-06	31.90000725	3.70151E-05	0.000819416	0.000345168

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Sep	197.5951691	0.154858768	0.220195383	0.005364217	33.72193527	0.053199641	76.85572815	0.001596118	0.000935387	5.72638E-06	0.00894071	0.00469341	0.129818648	0.027205236	7.79725E-06	31.91848183	3.69776E-05	0.000820547	0.00034367
2080 Oct	198.0869751	0.154864863	0.219316304	0.005335458	33.51267242	0.053089429	77.469841	0.001589635	0.000922416	5.67059E-06	0.008910133	0.004714	0.130841941	0.027030904	7.75685E-06	31.87406731	3.69586E-05	0.000822602	0.000341041
2080 Nov	197.4629517	0.154490516	0.218194932	0.005308357	33.34872437	0.052926667	77.31971741	0.001582168	0.000916312	5.63896E-06	0.008872594	0.004698441	0.130590394	0.026848467	7.71769E-06	31.72360802	3.67812E-05	0.000818961	0.00033841
2080 Dec	197.7235565	0.154531494	0.218197241	0.005308288	33.34833527	0.052935116	77.42889404	0.001582197	0.000916175	5.64084E-06	0.00887678	0.004701539	0.130790353	0.02684718	7.71905E-06	31.74472237	3.68078E-05	0.000819123	0.000338621
2081 Jan	197.771759	0.154555768	0.218226671	0.005308969	33.35301208	0.052942362	77.44814301	0.001582411	0.000916278	5.6417E-06	0.008887251	0.004702471	0.130823717	0.026851801	7.72017E-06	31.75144577	3.6815E-05	0.000819262	0.000338702
2081 Feb	197.790741	0.154571146	0.21824643	0.005309418	33.35637665	0.052946676	77.45563507	0.001582551	0.000916342	5.6421E-06	0.00887895	0.00470297	0.130835712	0.026855422	7.72082E-06	31.75518227	3.68183E-05	0.000819356	0.000338752
2081 Mar	197.8565063	0.154622868	0.218318835	0.005311152	33.36751556	0.052963771	77.48174286	0.001583068	0.000916625	5.64386E-06	0.008881779	0.004704577	0.130879387	0.026864849	7.72331E-06	31.76607132	3.68303E-05	0.00081964	0.000338873
2081 Apr	198.5864563	0.155187607	0.219112307	0.005330454	33.48958969	0.053156454	77.76634216	0.001588838	0.000919977	5.66455E-06	0.00891428	0.004721804	0.131360263	0.026964352	7.75152E-06	31.8835907	3.69654E-05	0.000822636	0.000340145
2081 May	196.7899017	0.154413268	0.217078	0.005286112	33.54079437	0.052740052	76.59294128	0.001587534	0.000924319	5.66238E-06	0.008880218	0.004693191	0.129138261	0.027473127	7.73268E-06	32.0723381	3.67435E-05	0.000821972	0.000348267
2081 Jun	190.4816742	0.150715962	0.213241294	0.005181293	33.04926682	0.051168431	74.29608917	0.001555733	0.000896411	5.4745E-06	0.008573103	0.004599702	0.124777332	0.02720527	7.53371E-06	31.41680336	3.56696E-05	0.000811282	0.000344155
2081 Jul	201.1457367	0.158839911	0.225046411	0.005467609	34.84394455	0.053959649	78.52422333	0.001641251	0.000944646	5.77317E-06	0.009040843	0.004856385	0.131897062	0.028642891	7.94719E-06	33.12202454	3.76506E-05	0.000855984	0.000362349
2081 Aug	211.8350677	0.166581973	0.235914931	0.005733328	36.54398727	0.056654979	82.66378784	0.001722447	0.000992434	6.07161E-06	0.009501463	0.005101584	0.138927743	0.030059045	8.34649E-06	34.8230629	3.95701E-05	0.000897848	0.000381092
2081 Sep	214.1231995	0.166969374	0.235706583	0.005734025	36.58742142	0.056919988	83.43805695	0.001727527	0.000998756	6.12339E-06	0.009572235	0.005124775	0.14042598	0.030149784	8.3862E-06	35.07621765	3.98175E-05	0.000898887	0.00038403
2081 Oct	215.0748138	0.166460291	0.234173208	0.005700311	36.40241623	0.056755848	83.72468567	0.001720402	0.000996904	6.12761E-06	0.009580945	0.005116403	0.141074449	0.030038463	8.366E-06	35.09703064	3.98501E-05	0.000894406	0.000384593
2081 Nov	213.6364899	0.164704069	0.230754703	0.005621812	35.93869019	0.056180742	83.07010651	0.001700578	0.000988041	6.08057E-06	0.009510603	0.005061152	0.140090093	0.029700413	8.27963E-06	34.79207611	3.95019E-05	0.000882743	0.000381361
2081 Dec	213.615036	0.164604172	0.230458781	0.005615396	35.90394974	0.056150917	83.0463028	0.001699285	0.000987722	6.07953E-06	0.009509523	0.005057606	0.140067428	0.029678961	8.27479E-06	34.77943039	3.94869E-05	0.000881835	0.000381232
2082 Jan	213.6506958	0.164607853	0.230454996	0.00561532	35.90433502	0.056151431	83.05852509	0.001699293	0.000987752	6.08001E-06	0.009510225	0.005057933	0.140090272	0.029680636	8.27507E-06	34.78344345	3.94907E-05	0.000881847	0.000381298
2082 Feb	213.6875458	0.164633855	0.2304869	0.005616097	35.91026688	0.0561595	83.07145691	0.00169955	0.000987915	6.08101E-06	0.009511729	0.005058731	0.140111864	0.029686904	8.27635E-06	34.79022217	3.9497E-05	0.000881988	0.000381391
2082 Mar	213.8063354	0.164725527	0.23061277	0.005619165	35.93041229	0.056190353	83.11687469	0.00170049	0.000988469	6.0844E-06	0.009517001	0.00506153	0.140188232	0.029704295	8.28093E-06	34.81014252	3.95188E-05	0.000882479	0.000381619
2082 Apr	214.4215698	0.165199682	0.231275201	0.005635307	36.03392792	0.056351863	83.35560608	0.001705382	0.000991317	6.10192E-06	0.009544381	0.005076088	0.140590757	0.029790295	8.30475E-06	34.91064835	3.96324E-05	0.00088502	0.000382727
2082 May	217.4373627	0.167518884	0.234518752	0.005714354	36.54003525	0.057142694	84.52677917	0.001729331	0.001005255	6.18772E-06	0.009678543	0.00514739	0.142566293	0.030209795	8.42142E-06	35.40203476	4.01896E-05	0.000897449	0.000388128
2082 Jun	202.6633148	0.153595611	0.216755047	0.005300172	33.65368271	0.053121157	79.24694824	0.001633702	0.000947564	5.82327E-06	0.009160387	0.004834803	0.133853108	0.027936095	7.9309E-06	32.87811279	3.81236E-05	0.000843724	0.000355916
2082 Jul	198.5522003	0.15086934	0.215620011	0.005268214	33.18661118	0.052514385	78.42925262	0.001627361	0.000930725	5.71245E-06	0.009020165	0.004810354	0.132270738	0.027290063	7.85438E-06	32.14796448	3.77045E-05	0.000842023	0.000342224
2082 Aug	205.5930634	0.155599505	0.22213617	0.005432101	34.23857117	0.054331742	81.13040161	0.001681801	0.000964382	5.92085E-06	0.009333654	0.00496917	0.136913911	0.028195981	8.1235E-06	33.25862122	3.89533E-05	0.000868481	0.000354065
2082 Sep	207.6417999	0.156777188	0.223084509	0.005460537	34.45460129	0.054835498	81.83766174	0.001694852	0.000974659	5.9856E-06	0.009430581	0.005005092	0.138198838	0.028417293	8.19335E-06	33.56635666	3.92733E-05	0.000873544	0.000357311
2082 Oct	200.5524292	0.151321068	0.21268101	0.005217997	33.02902603	0.05301692	78.90175629	0.001633078	0.000943617	5.79551E-06	0.009155377	0.004817414	0.133370146	0.027403925	7.90281E-06	32.42946625	3.79056E-05	0.000838858	0.000344737
2082 Nov	201.5911407	0.151638061	0.212986961	0.005224852	33.07197189	0.053114608	79.3391037	0.001635681	0.000944424	5.8083E-06	0.009180832	0.004834605	0.134148806	0.027449507	7.91845E-06	32.54331589	3.8044E-05	0.000840886	0.000345947
2082 Dec	201.9421387	0.151702449	0.213070065	0.005226811	33.08415222	0.053134434	79.4746933	0.00163625	0.000944777	5.81317E-06	0.009188319	0.004839086	0.134396479	0.027460871	7.92294E-06	32.57862473	3.80875E-05	0.000841281	0.000346402
2083 Jan	201.9873199	0.151720181	0.213090405	0.005227316	33.08779526	0.053140182	79.49150848	0.001636422	0.000944889	5.81407E-06	0.009189709	0.004839814	0.1344264	0.027464602	7.92394E-06	32.58456039	3.8094E-05	0.000841376	0.000346478
2083 Feb	202.0551605	0.151771337	0.213159963	0.005229023	33.09909439	0.053157695	79.51748657	0.001636968	0.000945211	5.81604E-06	0.00919278	0.004841427	0.134470105	0.027474668	7.92658E-06	32.59604645	3.81067E-05	0.00084166	0.00034661
2083 Mar	202.2065735	0.151885241	0.213318691	0.005232917	33.12401199	0.053197373	79.57667542	0.001638193	0.000945923	5.8204E-06	0.009199662	0.004845049	0.134570077	0.027495725	7.93252E-06	32.62078094	3.81352E-05	0.000842291	0.000346878
2083 Apr	202.9910889	0.152474597	0.214145705	0.005253206	33.25258636	0.053403668	79.88518524	0.001644548	0.000949594	5.84299E-06	0.009235351	0.004863843	0.135091737	0.027602667	7.96329E-06	32.747509	3.82831E-05	0.000845559	0.000348229
2083 May	205.6946564	0.152974054	0.21403785	0.005248609	33.45368576	0.053392816	80.74860382	0.001652498	0.000953916	5.88068E-06	0.009293813	0.004912215	0.136504784	0.028175265	8.00383E-06	33.33674622	3.86582E-05	0.00085383	0.000359463
2083 Jun	195.2504425	0.146034256	0.206296667	0.005031089	32.30344391	0.050415315	77.20747375	0.001583941	0.000892138	5.49956E-06	0.008710814	0.004750317	0.129770011	0.027456906	7.60033E-06	32.09407425	3.67077E-05	0.000832645	0.000349994
2083 Jul	200.5588074	0.149676353	0.212513909	0.005180921	33.1585083	0.051841069	79.57821655	0.001629894	0.000913812	5.63845E-06	0.008928861	0.004892875	0.1337329	0.028042268	7.81092E-06	32.86057281	3.76927E-05	0.000856726	0.000356213
2083 Aug	203.550766	0.150468737	0.213389412	0.005215029	33.40130615	0.052630045	80.58047485	0.001650748	0.000932289	5.7517E-06	0.009061244	0.004944134	0.135587111	0.028364945	7.92485E-06	33.29873657	3.80894E-05	0.000862162	0.000361095
2083 Sep	205.3176117	0.150861382	0.212750703	0.005194337	33.25190735	0.052744072	81.67770386	0.0016507	0.000923803	5.72765E-06	0.009083479	0.004987589	0.137495369	0.028301772	7.9197E-06	33.43248749	3.82743E-05	0.000867362	0.000360332
2083 Oct	202.7562561	0.149440706	0.209319428	0.005102417	32.6229744	0.052133635	81.29776764	0.001626226	0.000896674	5.58293E-06	0.008937028	0.004954704	0.136760056	0.027704259	7.77887E-06	32.90073013	3.772E-05	0.000860581	0.000350345
2083 Nov	201.9418945	0.14892976	0.208381385	0.00507852	32.45938492	0.051921189	81.07968903	0.001617644	0.000889719	5.54588E-06	0.008886067	0.004935205	0.136385337	0.027487267	7.73419E-06	32.70895767	3.75099E-05	0.0008564	0.000347259
2083 Dec	202.1914825	0.148964807	0.20841895	0.005079421	32.465271	0.051931839	81.1756134	0.001617929	0.000889913	5.54913E-06	0.008891066	0.004938155	0.136561692	0.02749349	7.73691E-06	32.73307037	3.75396E-05	0.000856616	0.000347575
2084 Jan	202.2020111	0.148971856	0.208423004	0.005079539	32.46663284	0.051934008	81.17877197	0.001617993	0.000889964	5.54944E-06	0.008891548	0.004938343	0.136567116	0.027495438	7.73724E-06	32.73516464	3.75413E-05	0.000856646	0.000347607
2084 Feb	202.2294006	0.148992509	0.208449587	0.005080176	32.47124481	0.051940568	81.18929291	0.001618206	0.00089008	5.55015E-06	0.008892691	0.004939025	0.136584416	0.027500162	7.73825E-06	32.74024963	3.75462E-05	0.00085677	0.000347671
2084 Mar	202.3839722	0.149106622	0.208607674	0.005084028	32.49621582	0.051980078	81.2508316	0.001619441	0.000890764	5.55441E-06	0.008899483	0.004942791	0.136687785	0.02752178	7.74416E-06	32.76565933	3.75748E-05	0.000857426	0.000347948
2084 Apr	203.5751801	0.149983928	0.209834158	0.00511392	32.68746567	0.052285749	81.72877502	0.001628967	0.000896007	5.58709E-06	0.008951843	0.00497187	0.137491778	0.027684018	7.78972E-06	32.9586792	3.77959E-05	0.00086247	0.000350001
2084 May	203.1097565	0.149512246	0.208034873	0.005076197	32.79218674	0.051972158	80.99409485	0.001630371	0.000903639	5.61243E-06	0.00895875	0.004957609	0.13609767	0.028277533	7.79373E-06	33.30677414	3.77624E-05	0.000863041	0.000360517
2084 Jun	191.8279572	0.142973542	0.201038674	0.004890976	31.75342178	0.049397666	76.80988312	0.001570181	0.000857921	5.30325E-06	0.008455354	0.004766702	0.128442019	0.027460683	7.44582E-06	31.9140892	3.58782E-05	0.000837467	0.000347853
2084 Jul	198.7595825	0.147632957	0.208148614	0.005065287	32.82403564	0.051151153	79.69032288	0.001627096	0.00088818	5.49378E-06	0.008754919	0.004939878	0.133298248	0.02832626	7.71421E-06	32.98655319	3.71742E-05	0.000866931	0.000358458
2084 Aug	204.8208771	0.151221186	0.212973893	0.005187756	33.63565063	0.052582532	82.02440643	0.001670449	0.00091473	5.66302E-06	0.009006395	0.005072172	0.13732405	0.029070605	7.92918E-06	33.92763138	3.81901E-05	0.000888176	0.000368777
2084 Sep	204.9575043	0.15004079	0.210394144	0.005131394	33.31125259	0.052329514	81.95852661	0.001658308	0.000911367	5.65499E-06	0.008985515	0.005043461	0.137418613	0.028849619	7.8864E-06	33.8243103	3.80325E-05	0.000880093	0.000367542
2084 Oct	204.157196	0.148755252	0.20695886	0.005046344	32.76006699	0.051871832	81.95095062	0.001639809	0.000895099	5.57741E-06	0.008924379	0.005021608	0.137493402	0.02846255	7.79609E-06	33.55770493	3.77988E-05	0.000873943	0.000362504
2084 Nov	204.4869843	0.148802683	0.206515774	0.005032896	32.65987396	0.051878549	82.30065918	0.001639141	0.000890233	5.55741E-06	0.008925984	0.005037551	0.138079181	0.028415672	7.7874E-06	33.56904984	3.78472E-05	0.00087624	0.00036145
2084 Dec	204.7243195	0.148858994	0.206585109	0.005034583	32.67092896	0.051897135	82.39266205	0.001639692	0.000890561	5.56107E-06	0.008931683	0.005040881	0.138245597	0.028426263	7.79108E-06	33.59477615	3.7878E-05	0.000876584	0.000361772
2085 Jan	204.8273621	0.148855314	0.206575423	0.005034328	32.66962814	0.051894765	82.43151855	0.001639607	0.000890531	5.56196E-06	0.008932955	0.005041742	0.138318509	0.028426206	7.79138E-06	33.60319901	3.78882E-05	0.000876581	0.000361902
2085 Feb	204.8668518	0.148874283	0.20659931	0.005034907	32.67390442	0.05190083	82.44638062	0.001639805	0.000890646	5.5628E-06	0.008934247	0.005042491	0.138344184	0.028430706	7.79241E-06	33.6091423	3.78943E-05	0.000876696	0.00036198
2085 Mar	204.9248962	0.148916483	0.206656501	0.005036302	32.68324661	0.051915303	82.46929169	0.001640265	0.000890901	5.56438E-06	0.008936767	0.005043908	0.138382509	0.028439237	7.7946E-06	33.61897278	3.7905E-05	0.000876944	0.000362092
2085 Apr	205.5631104	0.149380401	0.207299531	0.005051972	32.78511047	0.052076895	82.72587585	0.001645373	0.000893678	5.58171E-06	0.008964597	0.005059612	0.138812989	0.0285281	7.81887E-06	33.72386169	3.8023E-05	0.000879676	0.000363225
2085 May	205.8457489	0.149132296	0.205935761	0.005022373	32.85519791	0.051883973	82.48387146	0.001648204	0.00089914	5.60456E-06	0.008988705	0.005063669	0.138308614	0.029023716	7.8313E-06	34.07112503	3.81128E-05	0.000882388	0.000372052
2085 Jun	201.9506683	0.147065774	0.203563869	0.004961704	32.64170074	0.051022504	80.87752533	0.00163472	0.000889364	5.52146E-06	0.008844292	0.005008332	0.135295421	0.029072171	7.74023E-06	33.79786301	3.75673E-05	0.000877607	0.000372336
2085 Jul	210.5276337	0.152468562	0.21099481	0.005147629	33.86687088	0.053060364	84.23099518	0.001699775	0.00092749	5.76137E-06	0.009213948	0.005206304	0.141003162	0.030209176	8.05629E-06	35.17505264	3.91085E-05	0.000910601	0.000387721
2085 Aug	212.7690887	0.152346492	0.210455194	0.005142401	33.85441208	0.053351354	85.00747681	0.001705041	0.000934397	5.81677E-06	0.009274186	0.005228841	0.142528355	0.030267937	8.09766E-06	35.40406418	3.92968E-05	0.000910794	0.000390124
2085 Sep	213.4974518	0.151396289	0.208208114	0.005076967	33.32870483	0.053110752	86.11869049	0.001693538	0.000911527	5.71937E-06	0.009217235	0.005264519	0.144484028	0.029853864	8.02768E-06	35.2543869	3.92556E-05	0.000914118	0.000383608
2085 Oct	212.023819	0.150156796	0.206219509	0.005023811	32.90551376	0.052625392	85.92943573	0.001674883	0.000893633	5.62886E-06	0.009111075	0.005233916	0.144185945	0.029315632	7.93017E-06	34.81888199	3.88866E-05	0.000906856	0.000375745
2085 Nov	210.8332062	0.149368972	0.205044761	0.004994299	32.68252945	0.052332997	85.58418274	0.001663824	0.000885314	5.58325E-06	0.009047257	0.005205905	0.143612936	0.029018734	7.87434E-06	34.54497528	3.86263E-05	0.000901181	0.000371435
2085 Dec	210.988205	0.149389729	0.2050616	0.004994735	32.68566132	0.052339688	85.64351654	0.001663995	0.000885439	5.58529E-06	0.009050441	0.005207702	0.143722206	0.029022466	7.87601E-06	34.55995941	3.86447E-05	0.000901305	0.00037163
2086 Jan	211.007019	0.149393886	0.205061272	0.004994746	32.68635941	0.052340772	85.64968872	0.001664023	0.000885473	5.58562E-06	0.009050926	0.005207905	0.143733576	0.029023945	7.87625E-06	34.56245422	3.86469E-05	0.000901321	0.00037167
2086 Feb	211.0214996	0.149404421	0.205073863	0.004995035	32.68875504	0.052343782	85.65534973	0.00166413	0.000885523	5.58594E-06	0.009051462	0.005208286	0.143742621	0.029026864	7.87674E-06	34.56542969	3.86494E-05	0.000901393	0.000371711
2086 Mar	211.1056976	0.149463177	0.205154836	0.004996974	32.70153427	0.052363813	85.69032288	0.001664776	0.000885842	5.58799E-06	0.0090549	0.005210413	0.143800974	0.029038543	7.87976E-06	34.57931137	3.86646E-05	0.000901763	0.000371862
2086 Apr	212.0055237	0.150099576	0.206028089	0.005018232	32.84077454	0.052586518	86.05567932	0.001671861	0.000889605	5.61175E-06	0.00909342	0.005232626	0.144414008	0.029162414	7.91329E-06	34.72677612	3.88293E-05	0.000905608	0.00037345
2086 May	214.2775116	0.151475295	0.207434267	0.005055693	33.18650055	0.053048082	86.77600861	0.001689094	0.000901968	5.68434E-06	0.009200225	0.005281042	0.145620957	0.029626988	7.99861E-06	35.19895935	3.9252E-05	0.000914382	0.000380566
2086 Jun	199.6641693	0.142780781	0.197822601	0.004823945	31.78000069	0.05005097	80.95225525	0.001621033	0.000863763	5.38892E-06	0.008694505	0.005009295	0.135382563	0.028498653	7.62568E-06	33.32954407	3.71449E-05	0.000876514	0.000362379
2086 Jul	206.6427612	0.147323206	0.205700949	0.005016447	32.88121033	0.051883448	84.10830688	0.001684765	0.000894085	5.58024E-06	0.009003871	0.005202375	0.140684813	0.029284729	7.91513E-06	34.35182571	3.85456E-05	0.00090984	0.000370467
2086 Aug	212.477356	0.149740517	0.208779514	0.005099419	33.44775009	0.053037416	86.31542969	0.001718753	0.000916736	5.73375E-06	0.009220132	0.005312889	0.144594282	0.029859966	8.09274E-06	35.17808151	3.94149E-05	0.000925319	0.000379719
2086 Sep	211.6084747	0.147561356	0.204392403	0.004999721	32.83696365	0.052544583	85.94689941	0.00169622	0.000906221	5.68663E-06	0.009148264	0.005260528	0.144232795	0.029416058	8.00028E-06	34.87281799	3.90152E-05	0.000912516	0.000375206
2086 Oct	213.550293	0.147907078	0.20415704	0.004991108	32.76861572	0.052645244	86.96646881	0.001698133	0.000902119	5.68496E-06	0.009185943	0.005299767	0.146034807	0.029413106	8.01073E-06	35.04439545	3.9271E-05	0.000917115	0.000375935
2086 Nov	214.376297	0.14827016	0.204636604	0.005002734	32.84459686	0.052772399	87.30168915	0.001702173	0.000904173	5.70115E-06	0.009212636	0.00531589	0.146618918	0.029483909	8.03153E-06	35.15458679	3.93993E-05	0.000919475	0.00037717
2086 Dec	214.6177063	0.14830929	0.204684734	0.005003897	32.85224533	0.052785289	87.39551544	0.00170256	0.0009044	5.70443E-06	0.009217697	0.005318996	0.146789789	0.029491752	8.03455E-06	35.17904282	3.9429E-05	0.000919749	0.000377485
2087 Jan	214.6491241	0.148317471	0.204692632	0.005004098	32.85389709	0.0527879	87.40723419	0.00170264	0.000904453	5.70496E-06	0.009218501	0.005319437	0.146810874	0.029493762	8.03506E-06	35.1828537	3.94331E-05	0.000919797	0.000377537
2087 Feb	214.7060394	0.148356482	0.204744786	0.005005374	32.8626442	0.052801467	87.42982483	0.001703082	0.000904694	5.70647E-06	0.009220914	0.005320825	0.146848708	0.029502103	8.03716E-06	35.19252396	3.94434E-05	0.000920038	0.000377648
2087 Mar	214.9043274	0.148493648	0.204933152	0.005009979	32.89308167	0.052850112	87.51025391	0.001704653	0.000905532	5.71174E-06	0.009229426	0.005325732	0.146983698	0.029529698	8.04458E-06	35.22524643	3.94797E-05	0.000920888	0.000378003
2087 Apr	215.3700256	0.148815557	0.205376878	0.005020827	32.96442032	0.052964579	87.69971466	0.001708347	0.000907495	5.72413E-06	0.009249425	0.00533727	0.147301868	0.029593892	8.06201E-06	35.30171204	3.95653E-05	0.000922884	0.000378826
2087 May	214.9739838	0.14882043	0.20487982	0.005009163	33.02339172	0.052896306	87.43029022	0.001711458	0.00090974	5.7267E-06	0.009256156	0.005341769	0.146732658	0.029883221	8.06954E-06	35.45756149	3.95811E-05	0.000925995	0.000382834
2087 Jun	206.3430176	0.144357413	0.198991418	0.004861194	32.29576874	0.051139731	84.00460815	0.001675097	0.00088564	5.53659E-06	0.008965967	0.005207421	0.140520349	0.029654151	7.85608E-06	34.63903427	3.84073E-05	0.0009114	0.000377849
2087 Jul	212.5867615	0.147594184	0.203429833	0.004977169	33.0633316	0.052540448	86.42134857	0.001720811	0.000914053	5.71693E-06	0.009235652	0.005344766	0.144701973	0.03041978	8.08174E-06	35.60727692	3.9511E-05	0.000933138	0.00038862

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Aug	221.0368805	0.15262121	0.210254908	0.005147936	34.20578384	0.054478705	89.77920532	0.001782708	0.000949122	5.9422E-06	0.009583961	0.005539798	0.15042527	0.031504605	8.38108E-06	36.9498024	4.09782E-05	0.000965268	0.000403451
2087 Sep	225.6405334	0.154616892	0.212256223	0.005201417	34.59283829	0.055232394	91.51843262	0.001804602	0.000963469	6.04738E-06	0.00974971	0.005619688	0.153519258	0.031899404	8.49958E-06	37.57089233	4.16727E-05	0.000976087	0.000410578
2087 Oct	225.4190521	0.153379276	0.209526747	0.005140057	34.2258606	0.054810036	91.27714539	0.001787441	0.000957545	6.02515E-06	0.009713683	0.005576957	0.153300226	0.031606544	8.43535E-06	37.38676834	4.14825E-05	0.000965414	0.000408905
2087 Nov	224.9358063	0.152873188	0.208372369	0.005114334	34.07363129	0.054640621	91.02200317	0.001780429	0.000955241	6.01281E-06	0.00969434	0.005555214	0.152923569	0.031484649	8.40694E-06	37.2784729	4.13625E-05	0.000960818	0.00040775
2087 Dec	225.2880096	0.152899623	0.208400398	0.005114998	34.07804108	0.054648515	91.15803528	0.001780645	0.000955386	6.01686E-06	0.009700456	0.005559093	0.153174236	0.0314903	8.40995E-06	37.31071091	4.14025E-05	0.000961046	0.000408186
2088 Jan	225.3716583	0.15291439	0.208415851	0.005115381	34.0810318	0.054653183	91.18984222	0.001780789	0.000955479	6.01806E-06	0.009702275	0.005560172	0.153231993	0.031493936	8.41104E-06	37.31977844	4.14128E-05	0.000961146	0.00040831
2088 Feb	225.3925171	0.152926832	0.208430395	0.005115739	34.0839386	0.054657154	91.19741058	0.001780925	0.00095556	6.01858E-06	0.009703071	0.005560624	0.153244674	0.031497326	8.4117E-06	37.32355499	4.14163E-05	0.000961223	0.000408362
2088 Mar	225.6145782	0.153077781	0.208634838	0.005120757	34.11766434	0.054710858	91.28681183	0.001782678	0.000956505	6.02452E-06	0.009712627	0.005566095	0.153394774	0.031528864	8.41999E-06	37.36065292	4.1457E-05	0.000962171	0.000408773
2088 Apr	227.5120392	0.15436551	0.210388094	0.00516379	34.40477753	0.055170752	92.05393219	0.001797668	0.000964554	6.0752E-06	0.009794304	0.005612894	0.15468365	0.031794708	8.49079E-06	37.67530441	4.18056E-05	0.000970263	0.000412224
2088 May	231.6965179	0.157178998	0.2141449	0.005256135	35.03680801	0.05616378	93.71823883	0.00183027	0.000982376	6.18713E-06	0.009973358	0.0057148	0.157477304	0.032401767	8.64534E-06	38.38287354	4.25684E-05	0.000987926	0.000420304
2088 Jun	219.7533417	0.148849547	0.202532634	0.004994986	33.27710724	0.053829562	88.92490387	0.001775186	0.000959577	5.9942E-06	0.009704019	0.005477166	0.149475887	0.031207841	8.36662E-06	36.71683502	4.11967E-05	0.000952268	0.000400573
2088 Jul	227.1088409	0.153305337	0.208977669	0.005157812	34.28780746	0.055663664	92.09906769	0.001841748	0.000994037	6.20663E-06	0.010070376	0.005677714	0.154857695	0.032209422	8.6733E-06	37.92324448	4.27718E-05	0.000987686	0.000412075
2088 Aug	240.497818	0.161570489	0.220123678	0.005435278	36.14122772	0.058749858	97.46786499	0.001942603	0.001049874	6.56323E-06	0.010638944	0.005994654	0.163979754	0.033971239	9.15631E-06	40.07953644	4.51878E-05	0.001041121	0.000435699
2088 Sep	245.1577148	0.163488582	0.222312316	0.005492463	36.54204178	0.059500527	99.25683594	0.001965389	0.001064101	6.66802E-06	0.010801543	0.006078383	0.16715008	0.034376059	9.27774E-06	40.70992279	4.58944E-05	0.00105279	0.000442926
2088 Oct	237.8943481	0.158348173	0.212927356	0.00527432	35.19113922	0.057683427	96.02276611	0.001897389	0.001034729	6.487E-06	0.010511386	0.005860237	0.161908582	0.033195313	8.97567E-06	39.4285965	4.44305E-05	0.001011874	0.000428935
2088 Nov	236.7169037	0.157594919	0.211245269	0.005236565	34.96769714	0.057424903	95.46851349	0.001886666	0.001030966	6.46255E-06	0.010472873	0.005823164	0.161020145	0.033009157	8.9292E-06	39.2265625	4.41954E-05	0.001004828	0.000426677
2088 Dec	237.0083313	0.157651991	0.211313218	0.005238259	34.97917557	0.057444852	95.58169556	0.001887284	0.001031332	6.4669E-06	0.01047964	0.005827149	0.16122514	0.033021156	8.93344E-06	39.25768661	4.42329E-05	0.001005223	0.000427071
2089 Jan	237.0360413	0.157664627	0.211325273	0.005238574	34.98180771	0.057449128	95.59172821	0.001887418	0.001031422	6.46754E-06	0.010480629	0.005827641	0.161242709	0.033024304	8.93416E-06	39.26190186	4.42371E-05	0.001005294	0.000427127
2089 Feb	237.0754242	0.157691404	0.211358756	0.005239405	34.98789597	0.057458401	95.60678101	0.001887729	0.0010316	6.46863E-06	0.010482363	0.005828595	0.161267862	0.033030737	8.93564E-06	39.26903915	4.42443E-05	0.001005463	0.000427215
2089 Mar	237.3597565	0.157880694	0.211611137	0.005245662	35.02997589	0.057527106	95.72099304	0.00188999	0.00103284	6.4764E-06	0.010494923	0.005835575	0.161460385	0.03307084	8.94634E-06	39.31644821	4.42973E-05	0.001006669	0.000427737
2089 Apr	238.6197357	0.158718914	0.212733686	0.005273489	35.21601486	0.057832342	96.22878265	0.00190002	0.001038324	6.51078E-06	0.010550626	0.005866545	0.162316814	0.033246741	8.99383E-06	39.52537918	4.45324E-05	0.001012013	0.000430014
2089 May	237.3783112	0.158249095	0.211054772	0.005236362	35.20119858	0.057577524	95.40853882	0.001898608	0.001041707	6.51106E-06	0.010542725	0.005846687	0.160805196	0.033610675	8.98273E-06	39.66466904	4.44198E-05	0.001011717	0.000435634
2089 Jun	227.9739838	0.153183743	0.203648493	0.005050177	34.29142761	0.055514686	91.5049057	0.001849425	0.001012406	6.29075E-06	0.010201071	0.005679597	0.153812423	0.033328742	8.71652E-06	38.75819016	4.30005E-05	0.000991058	0.000431218
2089 Jul	236.5968323	0.157445177	0.209268764	0.00519666	35.28519821	0.057307515	94.84076691	0.001908314	0.001048596	6.52597E-06	0.010558193	0.005864107	0.159594148	0.034357205	9.00929E-06	40.08281708	4.44914E-05	0.001019942	0.000446346
2089 Aug	245.4183044	0.161802769	0.214958459	0.005344292	36.29550552	0.059151631	98.26329041	0.00196713	0.001084406	6.76104E-06	0.010910988	0.006051825	0.16552186	0.035397138	9.30229E-06	41.43217468	4.5959E-05	0.001049007	0.000461713
2089 Sep	247.94133	0.161886618	0.214039892	0.005327438	36.22231674	0.059230734	99.13502502	0.001965689	0.001086719	6.79854E-06	0.010969008	0.006066222	0.167228118	0.035374131	9.31644E-06	41.63635635	4.61988E-05	0.001047129	0.000464273
2089 Oct	241.6992645	0.157514423	0.206666201	0.005136592	34.87623978	0.057562944	97.35448456	0.001905194	0.001039081	6.53479E-06	0.010646923	0.005935308	0.164247766	0.03409832	9.01371E-06	40.38887787	4.49505E-05	0.00102262	0.000445765
2089 Nov	241.962326	0.157641232	0.206684858	0.005134768	34.84838486	0.057593554	97.61421204	0.001905792	0.001036228	6.52328E-06	0.010647788	0.00594832	0.164677307	0.034073643	9.01227E-06	40.40044022	4.49898E-05	0.001024705	0.000445033
2089 Dec	242.2406769	0.157712534	0.206770927	0.005136922	34.86317825	0.057619032	97.72284698	0.001906602	0.001036694	6.5279E-06	0.010655066	0.005952545	0.16487208	0.034089059	9.01719E-06	40.43260574	4.50278E-05	0.001025192	0.000445431
2090 Jan	242.3201447	0.157746807	0.206811696	0.005137947	34.87057114	0.05763118	97.75358582	0.001906998	0.001036924	6.5296E-06	0.010657774	0.005954044	0.164925754	0.03409693	9.01925E-06	40.44391251	4.50402E-05	0.001025412	0.00044557
2090 Feb	242.3883514	0.157790855	0.206867382	0.005139331	34.88043976	0.057646837	97.78034973	0.001907521	0.001037216	6.53143E-06	0.010660726	0.005955687	0.16497077	0.034107171	9.02173E-06	40.45571518	4.50527E-05	0.001025697	0.000445709
2090 Mar	242.6055603	0.15793173	0.207050934	0.005143892	34.91165161	0.057698064	97.86754608	0.001909219	0.001038143	6.53727E-06	0.010670236	0.005960999	0.16511786	0.034138016	9.02978E-06	40.49215317	4.50929E-05	0.001026612	0.000446116
2090 Apr	243.3639374	0.158425599	0.207697734	0.005159961	35.02086258	0.057878356	98.17325592	0.001915187	0.00104139	6.55772E-06	0.01070359	0.005979629	0.165633544	0.034244992	9.058E-06	40.6189003	4.52338E-05	0.001029821	0.000447515
2090 May	246.3309174	0.159798816	0.20942536	0.005202373	35.33749771	0.058352541	99.3407135	0.00193218	0.001050446	6.62208E-06	0.010808288	0.006042271	0.167635098	0.034607455	9.14204E-06	41.08346939	4.57259E-05	0.001039871	0.000453385
2090 Jun	227.5714569	0.147870019	0.197955176	0.004891386	33.14999771	0.053732239	92.6965332	0.001807025	0.000959991	6.05436E-06	0.009910708	0.005679895	0.15596509	0.032266043	8.48703E-06	38.10758591	4.24798E-05	0.000984436	0.000419452
2090 Jul	233.4567261	0.151523083	0.203875452	0.005039275	34.04298019	0.055249166	95.27645111	0.001861198	0.000987468	6.22423E-06	0.010185163	0.005840947	0.160325736	0.033006545	8.73478E-06	39.02436829	4.36771E-05	0.001012436	0.000427567
2090 Aug	232.8703156	0.149661437	0.201096848	0.004972986	33.56905365	0.05510192	95.40650177	0.001850092	0.000976142	6.17174E-06	0.010108874	0.005833144	0.160693988	0.032647364	8.67892E-06	38.78967667	4.33292E-05	0.001008529	0.00042175
2090 Sep	228.6438446	0.147391528	0.198120177	0.004890012	32.89930725	0.054262795	94.38705444	0.001816517	0.000944885	5.99629E-06	0.009875986	0.005761708	0.15893051	0.031739451	8.49876E-06	37.90394592	4.2431E-05	0.000995545	0.000406786
2090 Oct	220.1545715	0.14429453	0.193547264	0.004770208	31.99105644	0.05298914	91.60916138	0.001766451	0.000906561	5.75318E-06	0.009537569	0.005609275	0.154064208	0.03048731	8.23079E-06	36.45436859	4.09303E-05	0.000970916	0.000384888
2090 Nov	217.9411621	0.143373549	0.192387536	0.004738566	31.74143982	0.052610382	90.92162323	0.001752268	0.000895096	5.6832E-06	0.00943895	0.00556966	0.152856514	0.030130714	8.15511E-06	36.05637741	4.05253E-05	0.000964396	0.000378876
2090 Dec	218.24823	0.143415883	0.192429766	0.004739656	31.74918556	0.052625291	91.04040527	0.001752706	0.00089537	5.68735E-06	0.009443576	0.005573449	0.15307346	0.030139608	8.15872E-06	36.08702469	4.05625E-05	0.000964701	0.000379273
2091 Jan	218.3514709	0.143422499	0.192433044	0.004739745	31.75033188	0.052627023	91.07939148	0.001752753	0.000895415	5.68855E-06	0.009447141	0.005574533	0.153145283	0.030141819	8.15954E-06	36.09687805	4.0574E-05	0.000964759	0.000379414
2091 Feb	218.3852844	0.143429577	0.192439735	0.004739908	31.75204659	0.05262896	91.09175873	0.001752824	0.000895462	5.68905E-06	0.009447888	0.005574997	0.153167367	0.030144347	8.16002E-06	36.10121536	4.05782E-05	0.000964811	0.00037948
2091 Mar	218.7159882	0.143645674	0.192728147	0.004747011	31.79998016	0.052707933	91.2290802	0.001755459	0.000896813	5.69765E-06	0.009462124	0.005583393	0.153398246	0.030190306	8.1723E-06	36.15609741	4.06394E-05	0.000966263	0.000380065
2091 Apr	220.0274353	0.144507214	0.193883151	0.00477546	31.9907589	0.053023871	91.77577209	0.001765983	0.000902193	5.73182E-06	0.009518857	0.005616866	0.154317394	0.030371683	8.2213E-06	36.37311554	4.0883E-05	0.000972057	0.00038235
2091 May	221.86409	0.145829916	0.195242569	0.00481163	32.3577652	0.053455316	92.32227325	0.001784066	0.000914713	5.79994E-06	0.009617751	0.005664005	0.155181289	0.030892381	8.30595E-06	36.84512329	4.12668E-05	0.000981626	0.000389825
2091 Jun	210.933136	0.140010253	0.188204706	0.004638004	31.52935982	0.051120732	87.50553894	0.001730172	0.000889538	5.58801E-06	0.00923064	0.005450631	0.146650359	0.030525666	8.02443E-06	35.73208618	3.96358E-05	0.000954041	0.000384825
2091 Jul	222.1698151	0.146779224	0.197507232	0.004870344	33.08240891	0.053703543	92.14401245	0.001819021	0.00093657	5.88725E-06	0.009718684	0.005730188	0.154509023	0.032029942	8.44168E-06	37.55944061	4.17424E-05	0.001001844	0.000404305
2091 Aug	224.7305298	0.146667331	0.196843058	0.004863726	33.07204056	0.054042786	93.01041412	0.001824807	0.000944654	5.95148E-06	0.009788491	0.005754155	0.156219631	0.032097269	8.48835E-06	37.82448959	4.19522E-05	0.001001901	0.000407113
2091 Sep	225.5455933	0.14531745	0.194182113	0.004803258	32.68556595	0.053830542	93.37135315	0.001812024	0.000937964	5.93471E-06	0.00976185	0.005739924	0.157086253	0.03180895	8.4431E-06	37.74281311	4.18245E-05	0.000995359	0.000405084
2091 Oct	224.7182312	0.144128576	0.192076594	0.004739594	32.17287445	0.05332936	93.80508423	0.001794744	0.000912845	5.8132E-06	0.009660369	0.005746316	0.157811657	0.031326987	8.34397E-06	37.40334702	4.16199E-05	0.000995174	0.000397366
2091 Nov	222.1212006	0.142956227	0.190251619	0.004691084	31.79815865	0.052858684	93.07028198	0.001776598	0.000897394	5.72239E-06	0.009546733	0.005701258	0.156533837	0.030862233	8.24763E-06	36.91350555	4.11558E-05	0.000987457	0.00038954
2091 Dec	222.2725525	0.142971113	0.19022873	0.004690705	31.79619408	0.052863806	93.12916565	0.001776552	0.000897418	5.72409E-06	0.009549678	0.005702498	0.156645089	0.030858591	8.24842E-06	36.92403793	4.11708E-05	0.000987418	0.000389641
2092 Jan	222.4560547	0.142969534	0.19022052	0.0046905	31.79537964	0.05286216	93.19876099	0.001776484	0.000897405	5.72584E-06	0.009552188	0.00570416	0.156774431	0.030859388	8.24926E-06	36.93962479	4.11897E-05	0.000987448	0.000389872
2092 Feb	222.5437775	0.14299944	0.190258205	0.004691407	31.8021183	0.0528723	93.23374939	0.001776838	0.000897578	5.72736E-06	0.009554653	0.005705763	0.156835541	0.030866988	8.25113E-06	36.95146561	4.12025E-05	0.000987674	0.000390022
2092 Mar	222.9391022	0.143253371	0.190594271	0.004699694	31.85869789	0.052965809	93.39871216	0.001779985	0.000899175	5.73753E-06	0.009571596	0.005715874	0.157112896	0.030922413	8.26575E-06	37.01749039	4.12755E-05	0.000989426	0.000390727
2092 Apr	224.0460052	0.143964902	0.191539928	0.004723013	32.01699829	0.053228676	93.86206818	0.001788821	0.000903642	5.76603E-06	0.009619117	0.005744247	0.157892242	0.031076346	8.30679E-06	37.2015419	4.14804E-05	0.000994339	0.000392674
2092 May	226.1578369	0.144849107	0.19240427	0.004745461	32.30562973	0.053469967	94.52562714	0.001802105	0.000912676	5.82144E-06	0.009698139	0.005788434	0.158986554	0.031551436	8.37202E-06	37.66883469	4.18516E-05	0.001002565	0.00040067
2092 Jun	207.504303	0.134130254	0.181997418	0.004470434	30.52057076	0.049321618	87.40917206	0.001696464	0.000844089	5.35034E-06	0.008927867	0.005439717	0.146435633	0.029875007	7.81787E-06	35.09358978	3.89527E-05	0.000953576	0.000375263
2092 Jul	210.8608856	0.135308266	0.185223281	0.004547791	30.86021614	0.050049067	89.31809998	0.001727223	0.000852789	5.41727E-06	0.009062852	0.00554998	0.149700508	0.030061601	7.94942E-06	35.46780014	3.97005E-05	0.000972174	0.000375628
2092 Aug	220.6367188	0.140145108	0.191652492	0.004709105	31.96839523	0.051959451	93.31614685	0.001791037	0.000886473	5.64828E-06	0.009432022	0.005769179	0.156580508	0.031171927	8.2585E-06	36.94542313	4.13391E-05	0.001007296	0.000391774
2092 Sep	224.6047058	0.139883742	0.190564826	0.004688606	31.86681557	0.051986989	94.69535065	0.001787683	0.000888816	5.70114E-06	0.00949773	0.005791256	0.159263253	0.031126438	8.27536E-06	37.25469971	4.16829E-05	0.00100443	0.000396149
2092 Oct	226.312149	0.139128253	0.188753262	0.004644942	31.57827568	0.051694557	95.38523102	0.001774888	0.000881319	5.68764E-06	0.009490936	0.005786973	0.160653755	0.030886546	8.23377E-06	37.2594223	4.17488E-05	0.000998925	0.000396164
2092 Nov	227.4431152	0.13916868	0.188655078	0.00464147	31.54805374	0.051699568	95.90361023	0.001774599	0.000879601	5.69052E-06	0.009505634	0.005802537	0.161595508	0.03086848	8.23676E-06	37.34423447	4.18727E-05	0.00100007	0.000396886
2092 Dec	227.6538696	0.139238551	0.188741654	0.004643637	31.56306267	0.051725384	95.98797607	0.001775452	0.000880052	5.69439E-06	0.009511899	0.005806263	0.161744475	0.030883839	8.24137E-06	37.37089157	4.19037E-05	0.00100057	0.000397198
2093 Jan	227.7301178	0.139241725	0.188741669	0.004643646	31.56354332	0.051726069	96.01667786	0.001775468	0.000880075	5.69523E-06	0.009513131	0.005807021	0.161797479	0.03088513	8.24189E-06	37.37797165	4.1912E-05	0.001000602	0.000397302
2093 Feb	227.7980957	0.139268667	0.188776061	0.00464449	31.56974602	0.051735573	96.04370117	0.001775798	0.000880247	5.69657E-06	0.009515274	0.005808348	0.161844373	0.03089189	8.24358E-06	37.38766479	4.19224E-05	0.001000801	0.000397422
2093 Mar	228.4441376	0.139631867	0.189267278	0.00465657	31.65208626	0.051870111	96.31385803	0.001780418	0.000882542	5.71193E-06	0.009540798	0.005823986	0.162302822	0.030972995	8.26534E-06	37.48978424	4.20372E-05	0.001003425	0.000398528
2093 Apr	229.6733093	0.140377745	0.190277606	0.004681427	31.82119179	0.05214702	96.83151245	0.001789924	0.000887256	5.74253E-06	0.009591876	0.005855173	0.163175672	0.031138694	8.30953E-06	37.69092941	4.22626E-05	0.001008787	0.000400672
2093 May	232.1388702	0.141501397	0.191107705	0.004704154	32.11857986	0.052511942	97.6574707	0.001806606	0.000898054	5.80859E-06	0.009698207	0.005910676	0.164552242	0.031678647	8.39057E-06	38.23281479	4.27243E-05	0.001019037	0.000409262
2093 Jun	219.3270416	0.135735855	0.183740392	0.004516149	31.08210945	0.050290864	92.65839386	0.00175314	0.00086359	5.53458E-06	0.009288589	0.005710143	0.155595452	0.031144056	8.08905E-06	36.87426758	4.09899E-05	0.000996378	0.000397493
2093 Jul	227.225296	0.140137821	0.190147877	0.004677472	32.13869095	0.052127484	96.03168488	0.001817693	0.000896609	5.74547E-06	0.009630798	0.005914243	0.161325216	0.032166895	8.38913E-06	38.13562012	4.24828E-05	0.00103103	0.000410181
2093 Aug	235.3478394	0.143919513	0.19512549	0.0048048	33.02476883	0.053718116	99.3196106	0.001870599	0.000925685	5.94331E-06	0.009939236	0.006093809	0.167003363	0.033093043	8.64738E-06	39.36576843	4.38278E-05	0.001059284	0.0004238
2093 Sep	236.8726807	0.143560037	0.19351086	0.004772417	32.85122681	0.053647377	99.71283722	0.001863131	0.000926459	5.96646E-06	0.009967271	0.006081697	0.167898655	0.032967724	8.63453E-06	39.42676926	4.38951E-05	0.001052992	0.00042495
2093 Oct	230.0472565	0.139572635	0.185929924	0.004584102	31.55493355	0.052192349	97.44869995	0.001805758	0.000887121	5.73676E-06	0.009688012	0.005933603	0.164129868	0.031776186	8.35445E-06	38.18108749	4.26452E-05	0.001026237	0.000406904
2093 Nov	228.3760834	0.139024779	0.18464072	0.004550774	31.29983711	0.051988807	97.04011536	0.001795392	0.000877105	5.67779E-06	0.00962617	0.005909851	0.163422391	0.031469021	8.29695E-06	37.86587524	4.23592E-05	0.001022202	0.000401089
2093 Dec	228.6073303	0.139094904	0.184718013	0.004552759	31.31407928	0.052014995	97.13174438	0.001796232	0.00087757	5.68193E-06	0.009632922	0.005913709	0.163585365	0.031484328	8.30165E-06	37.89429474	4.23923E-05	0.001022691	0.000401424
2094 Jan	228.7272491	0.139108598	0.184730425	0.004553078	31.31686211	0.052019473	97.17761993	0.001796376	0.000877662	5.68348E-06	0.009635262	0.005915147	0.163668975	0.031488229	8.30293E-06	37.90656662	4.24065E-05	0.001022804	0.000401594
2094 Feb	228.7774963	0.13912417	0.184748232	0.004553516	31.32051659	0.052024622	97.19690704	0.00179656	0.000877763	5.68436E-06	0.009636641	0.005916005	0.163702786	0.031492792	8.30394E-06	37.91350174	4.24136E-05	0.001022921	0.000401688
2094 Mar	229.0858917	0.139311135	0.184994936	0.004559597	31.3626976	0.052094195	97.32727051	0.001798966	0.000878945	5.69202E-06	0.009649579	0.00592394	0.163922295	0.031535644	8.31508E-06	37.96487427	4.24705E-05	0.001024294	0.00040224
2094 Apr	229.9169159	0.139816776	0.185665473	0.004576124	31.4765873	0.052283082	97.67999268	0.001805491	0.000882136	5.71267E-06	0.009684582	0.005945424	0.16451627	0.031650409	8.34524E-06	38.10282516	4.26246E-05	0.00102801	0.000403706
2094 May	229.2226257	0.139343724	0.184972599	0.004558445	31.50681114	0.051992871	97.20223999	0.001802075	0.000881929	5.70265E-06	0.009652133	0.005931294	0.16361922	0.031862631	8.32707E-06	38.17753983	4.25188E-05	0.001027441	0.000407717
2094 Jun	225.7329102	0.137869433	0.183636844	0.004524398	31.51208115	0.051295217	95.52597809	0.00179422	0.000879989	5.65705E-06	0.00954657	0.005880679	0.16053088	0.032135956	8.27368E-06	38.05334091	4.21043E-05	0.001024728	0.000411357

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Jul	238.5261993	0.144735515	0.192735076	0.004753673	33.1072998	0.05399828	100.810318	0.001888785	0.000929539	5.981E-06	0.010076731	0.006190847	0.169533417	0.033804778	8.72066E-06	40.1167984	4.44263E-05	0.001076725	0.00043403
2094 Aug	254.2412872	0.152625501	0.203159645	0.005013402	34.92139816	0.057042122	107.3139954	0.001993774	0.000982891	6.34649E-06	0.010675606	0.006555078	0.180658922	0.035684895	9.22267E-06	42.55041122	4.71288E-05	0.001136169	0.000461017
2094 Sep	255.7707977	0.152083114	0.201038584	0.004969989	34.6785202	0.056897789	107.6570663	0.00198263	0.000982789	6.36733E-06	0.010699085	0.006532771	0.181510746	0.035492539	9.19706E-06	42.57295227	4.71622E-05	0.001127287	0.000461834
2094 Oct	250.6431885	0.147797436	0.193115309	0.004787652	33.5022645	0.055335067	105.0934296	0.001919337	0.000959463	6.23456E-06	0.01046776	0.006332115	0.177498624	0.034374766	8.93413E-06	41.49268723	4.59769E-05	0.001087076	0.000450707
2094 Nov	246.1078796	0.144674897	0.187188298	0.004644874	32.54542542	0.054228529	103.3758163	0.001875658	0.000934674	6.0913E-06	0.010279655	0.006210892	0.174715638	0.033524152	8.73295E-06	40.63068008	4.50936E-05	0.001064086	0.000439358
2094 Dec	246.0698547	0.144594237	0.187031388	0.004640154	32.50765228	0.054201681	103.4245148	0.001874755	0.000932905	6.08281E-06	0.010274031	0.006212779	0.17479746	0.033494741	8.72711E-06	40.61176682	4.50862E-05	0.001064356	0.000438816
2095 Jan	246.2526703	0.144615024	0.187054738	0.004640701	32.51181793	0.054208562	103.496994	0.001874992	0.000933003	6.08496E-06	0.010277468	0.00621515	0.174928695	0.033500329	8.72905E-06	40.63026047	4.51081E-05	0.001064565	0.00043906
2095 Feb	246.3184967	0.144643143	0.187092453	0.004641567	32.51812744	0.054218158	103.5259781	0.001875352	0.000933127	6.08602E-06	0.010279454	0.006216708	0.174977884	0.03350766	8.73073E-06	40.64017105	4.51187E-05	0.001064819	0.000439174
2095 Mar	246.5414429	0.144761607	0.18724446	0.004645329	32.54483414	0.054262098	103.6186295	0.001876879	0.000933886	6.09118E-06	0.010288116	0.006222005	0.175135538	0.033535752	8.73796E-06	40.6756134	4.51578E-05	0.001065701	0.00043957
2095 Apr	247.6700134	0.145424172	0.188100383	0.004666563	32.69385147	0.054510213	104.0925217	0.001885463	0.000938162	6.11906E-06	0.010335187	0.006250467	0.17593646	0.033689596	8.77793E-06	40.86202621	4.53644E-05	0.001070576	0.00044159
2095 May	245.7252655	0.144908786	0.186884016	0.004635882	32.66605759	0.05423861	103.2089691	0.001884216	0.000937385	6.09234E-06	0.010300408	0.006235968	0.17425096	0.033988759	8.75779E-06	40.8992157	4.51912E-05	0.001072446	0.000444874
2095 Jun	244.4195099	0.14534466	0.187466055	0.004646367	32.94477463	0.05432668	102.7839203	0.001901977	0.000942605	6.09143E-06	0.010322618	0.006277102	0.173191309	0.034659334	8.80846E-06	41.2135849	4.53121E-05	0.001087172	0.000451118
2095 Jul	258.2648315	0.153045624	0.197371796	0.004896272	34.71603012	0.057362266	108.5202179	0.002007271	0.000997393	6.44581E-06	0.010905966	0.006620888	0.182925314	0.036555327	9.30265E-06	43.50580215	4.78334E-05	0.001145355	0.000476345
2095 Aug	258.540802	0.151894569	0.195504561	0.004860526	34.49071503	0.057312686	108.3970947	0.001999825	0.000999976	6.46729E-06	0.010896967	0.006592018	0.182919905	0.036383718	9.28633E-06	43.43105698	4.76723E-05	0.001136734	0.000475677
2095 Sep	260.6174316	0.151629463	0.194441006	0.004842781	34.41033936	0.057438191	109.0100784	0.001998484	0.00100455	6.51211E-06	0.010941878	0.006595331	0.184206843	0.036344845	9.30195E-06	43.59273911	4.77945E-05	0.001133254	0.000477706
2095 Oct	262.1764221	0.151328981	0.193502441	0.004822687	34.2898925	0.057328392	109.515007	0.00199236	0.001003463	6.52537E-06	0.010958706	0.00659292	0.185232416	0.036241751	9.29034E-06	43.66279984	4.78987E-05	0.001129294	0.00047901
2095 Nov	260.0652466	0.149800867	0.190556139	0.004752467	33.81480408	0.05677335	108.6750412	0.001969813	0.000991599	6.45835E-06	0.010867647	0.006529081	0.183895916	0.035792045	9.18929E-06	43.22821426	4.74623E-05	0.001116738	0.000473352
2095 Dec	260.0240173	0.14973253	0.190372571	0.004747562	33.77806091	0.056751151	108.705452	0.001968868	0.000990196	6.45169E-06	0.010863703	0.006529628	0.183950916	0.035761725	9.18385E-06	43.20856476	4.74533E-05	0.001116717	0.000472834
2096 Jan	260.202179	0.149745435	0.190381467	0.004747803	33.7805748	0.056755163	108.7732468	0.001968991	0.000990288	6.45381E-06	0.010866852	0.006531578	0.184075117	0.035765901	9.1854E-06	43.22583771	4.74734E-05	0.001116834	0.000473079
2096 Feb	260.3428345	0.149811819	0.190462098	0.004749813	33.79576874	0.0567794	108.8297272	0.001969841	0.00099073	6.45692E-06	0.010871954	0.006534659	0.1841719	0.035783131	9.18953E-06	43.24795914	4.74968E-05	0.001117333	0.000473346
2096 Mar	260.5761719	0.149946541	0.1906313	0.004754033	33.82629013	0.056829982	108.9264603	0.001971601	0.000991624	6.46273E-06	0.010881681	0.006540494	0.184335396	0.03581601	9.19775E-06	43.28723907	4.75392E-05	0.001118334	0.000473786
2096 Apr	261.7018127	0.150594711	0.191454172	0.004774554	33.97258377	0.05707537	109.3965607	0.001980118	0.000995911	6.49066E-06	0.010928688	0.006568741	0.18513082	0.035971224	9.23748E-06	43.47455215	4.77445E-05	0.001123166	0.000475841
2096 May	264.6932678	0.151178524	0.191853419	0.00478315	34.13534164	0.057245687	110.5890274	0.001991124	0.00100008	6.53255E-06	0.011008414	0.00662857	0.187183067	0.03635738	9.29319E-06	43.96649933	4.82121E-05	0.001132581	0.000483283
2096 Jun	237.4290314	0.137691319	0.179921061	0.004463878	31.59265137	0.052408621	100.7798996	0.001858605	0.000907247	5.88074E-06	0.009999426	0.00615847	0.169939056	0.033404343	8.57163E-06	39.88703156	4.41954E-05	0.001066581	0.000431706
2096 Jul	243.3505249	0.141376153	0.18661122	0.004626821	32.55473709	0.05403164	103.7498016	0.001920767	0.000932104	6.03607E-06	0.010271386	0.006353683	0.174888238	0.03415706	8.83908E-06	40.81213379	4.54771E-05	0.001101736	0.00043798
2096 Aug	255.5546112	0.147591218	0.194639295	0.004829142	33.99097443	0.056515619	108.8335495	0.002006977	0.000975979	6.3302E-06	0.010756044	0.006646032	0.183578998	0.035685483	9.24672E-06	42.7506218	4.76171E-05	0.0011502	0.000459067
2096 Sep	253.4922638	0.145559087	0.190267652	0.004732647	33.39065933	0.055847626	107.6100388	0.001975221	0.000967705	6.2859E-06	0.010663697	0.006540564	0.181754872	0.035124045	9.12356E-06	42.25741959	4.70372E-05	0.001127962	0.000454095
2096 Oct	246.4825439	0.141439542	0.182078257	0.004536688	32.08708572	0.054333948	104.8244247	0.00191301	0.000934615	6.08686E-06	0.010393796	0.0063545	0.177174717	0.033925101	8.83659E-06	40.99041367	4.5694E-05	0.001093375	0.000437738
2096 Nov	246.3691559	0.141484588	0.181617007	0.00452446	32.0052948	0.054369614	104.9661102	0.001913264	0.000931295	6.06992E-06	0.010395422	0.006364707	0.177398607	0.033886347	8.83091E-06	40.96847534	4.56996E-05	0.001095255	0.000436247
2096 Dec	246.5262909	0.141505167	0.181634426	0.004524942	32.00904083	0.054377392	105.0268707	0.001913497	0.000931442	6.07208E-06	0.010398779	0.006366648	0.177509353	0.033891037	8.83278E-06	40.98434448	4.57187E-05	0.001095412	0.000436452
2097 Jan	246.594986	0.141506612	0.18163152	0.004524884	32.00914383	0.054377455	105.0523453	0.00191349	0.000931457	6.07282E-06	0.01039983	0.006367271	0.1775565	0.033891965	8.83317E-06	40.9906044	4.57259E-05	0.001095427	0.000436547
2097 Feb	246.6105194	0.141510233	0.18163383	0.004524942	32.01010132	0.054378286	105.0576248	0.001913524	0.000931484	6.07307E-06	0.01040018	0.006367483	0.177565798	0.033893649	8.8334E-06	40.992939	4.57278E-05	0.001095453	0.000436586
2097 Mar	246.808075	0.141623929	0.181778461	0.004528546	32.0358963	0.054421671	105.1412811	0.001915054	0.000932233	6.07795E-06	0.010408504	0.006372571	0.177707076	0.033921305	8.84047E-06	41.02610016	4.57644E-05	0.00109633	0.000436945
2097 Apr	248.1805115	0.142411709	0.182788879	0.004553718	32.21414185	0.054724224	105.7256546	0.001925702	0.00093742	6.11176E-06	0.01046638	0.006408001	0.178694665	0.034110237	8.88962E-06	41.25443268	4.60188E-05	0.001102427	0.00043938
2097 May	250.4200287	0.143870443	0.184144542	0.00459083	32.59747314	0.055236224	106.4437866	0.001946575	0.000951435	6.18998E-06	0.010586041	0.006465006	0.179863468	0.034681287	8.98756E-06	41.79348755	4.64822E-05	0.001113556	0.000447509
2097 Jun	239.9330139	0.139863387	0.179845765	0.004482434	32.03574753	0.05362113	101.961792	0.00190763	0.000933091	6.01127E-06	0.010263491	0.006282223	0.171846792	0.034312092	8.76942E-06	40.70232773	4.50092E-05	0.001091556	0.00043932
2097 Jul	251.8983154	0.146179289	0.188139558	0.004693306	33.51995087	0.056213103	106.9904175	0.001999853	0.000980346	6.31785E-06	0.010771344	0.006583112	0.180403709	0.035909008	9.1996E-06	42.65917206	4.72205E-05	0.001142368	0.000460294
2097 Aug	260.0914917	0.15010199	0.193026796	0.004820235	34.43799591	0.057904709	110.3386765	0.002057254	0.001011501	6.52461E-06	0.011100532	0.006773652	0.186164856	0.036924899	9.47452E-06	43.95642471	4.86239E-05	0.001173164	0.00047451
2097 Sep	264.7134705	0.151952267	0.194979355	0.004872692	34.83419037	0.05867647	112.1620407	0.002082082	0.001025959	6.62942E-06	0.011268077	0.006863738	0.189372793	0.037370358	9.60114E-06	44.61468887	4.93456E-05	0.001186339	0.000481918
2097 Oct	262.1922302	0.150202841	0.191476345	0.004792944	34.31629944	0.058012024	110.8771973	0.002053086	0.001016259	6.57172E-06	0.011165513	0.006766695	0.187341258	0.036851108	9.4816E-06	44.10077286	4.87777E-05	0.001167137	0.00047651
2097 Nov	260.3022461	0.149042606	0.189338639	0.00474355	33.99015808	0.057569947	109.9698715	0.002034606	0.001009519	6.52934E-06	0.011091519	0.006703629	0.185871929	0.036519434	9.40288E-06	43.74818039	4.83862E-05	0.001155176	0.000472736
2097 Dec	259.9556885	0.148796096	0.18892011	0.004733721	33.92412567	0.057475593	109.8039627	0.002030818	0.001008025	6.52049E-06	0.011076008	0.00669142	0.185605437	0.036451701	9.3868E-06	43.67915726	4.83104E-05	0.001152813	0.000472014
2098 Jan	260.0939026	0.148806244	0.188924491	0.004733859	33.92604065	0.057478637	109.8559265	0.002030907	0.001008103	6.52217E-06	0.011078476	0.006692893	0.185700655	0.036455203	9.38798E-06	43.69275665	4.83259E-05	0.001152899	0.00047221
2098 Feb	260.1448669	0.148826897	0.188946515	0.004734411	33.93099213	0.057485588	109.8751907	0.002031163	0.001008246	6.52322E-06	0.011080137	0.006693893	0.18573378	0.036461715	9.38927E-06	43.70097733	4.83338E-05	0.001153055	0.000472323
2098 Mar	260.2858276	0.148908377	0.189047679	0.004736946	33.94970703	0.057516519	109.9338226	0.002032261	0.001008801	6.52678E-06	0.011086136	0.006697503	0.185832635	0.036482442	9.39436E-06	43.72527313	4.83598E-05	0.001153681	0.000472597
2098 Apr	261.0530701	0.149371564	0.189567283	0.004749985	34.05939865	0.057679173	110.231102	0.00203817	0.001012012	6.54676E-06	0.011118637	0.006716718	0.186327398	0.036618628	9.42189E-06	43.87239838	4.84985E-05	0.001157109	0.000474506
2098 May	256.6039429	0.147707283	0.186154813	0.004668523	33.83366013	0.056850869	107.9077148	0.00201959	0.001008436	6.48629E-06	0.010999713	0.006628442	0.182147622	0.036883615	9.32557E-06	43.6896019	4.78655E-05	0.001147413	0.000478806
2098 Jun	232.0450134	0.136548638	0.175697327	0.004378522	31.74614906	0.052417431	98.7255249	0.001892409	0.00092072	5.87372E-06	0.010023388	0.006192422	0.165773079	0.034564275	8.63595E-06	40.23813629	4.39496E-05	0.00108619	0.000439305
2098 Jul	244.9111633	0.143776983	0.185417473	0.004622517	33.46311569	0.055324979	104.2582397	0.001998446	0.000972373	6.20398E-06	0.010582044	0.006536194	0.175100744	0.036390219	9.11958E-06	42.40956879	4.64069E-05	0.001145877	0.000462162
2098 Aug	248.2635651	0.144386977	0.18569997	0.004639517	33.62208939	0.05588942	105.4182434	0.002012374	0.000985213	6.29509E-06	0.010694915	0.006581444	0.177278206	0.036614127	9.20316E-06	42.83404541	4.67922E-05	0.001150083	0.000466945
2098 Sep	242.9013977	0.140102997	0.178472072	0.004463964	32.37816238	0.054482616	103.409729	0.001953949	0.000951829	6.11028E-06	0.010428684	0.006423282	0.174091339	0.035382953	8.93734E-06	41.6796875	4.55847E-05	0.001118544	0.000451117
2098 Oct	239.381546	0.137790531	0.175507724	0.004377045	31.59058762	0.053597435	102.913826	0.001919598	0.000915086	5.91712E-06	0.010204851	0.006368872	0.173203573	0.034323115	8.74834E-06	40.76098251	4.48374E-05	0.001106724	0.000434282
2098 Nov	237.5888977	0.137016252	0.174775973	0.004354815	31.36025047	0.053292826	102.4567566	0.001907225	0.000903444	5.8505E-06	0.010113991	0.006337883	0.172389314	0.033922102	8.67984E-06	40.36865616	4.44883E-05	0.001100945	0.000427612
2098 Dec	237.8105469	0.13707462	0.174833924	0.004356356	31.37200356	0.053315483	102.5442123	0.001907961	0.000903856	5.85435E-06	0.010120256	0.006341432	0.172545388	0.0339357	8.68404E-06	40.39538956	4.45193E-05	0.001101374	0.000427932
2099 Jan	237.9278107	0.137091637	0.174850091	0.004356778	31.37563896	0.053321529	102.5894241	0.001908165	0.000903975	5.85598E-06	0.010122761	0.006342965	0.172627062	0.033940587	8.68552E-06	40.40810013	4.45337E-05	0.001101517	0.000428103
2099 Feb	238.0234528	0.137115568	0.174877912	0.00435747	31.38124657	0.053330105	102.6271057	0.001908478	0.000904135	5.85753E-06	0.010125234	0.006344547	0.172693595	0.033947576	8.68728E-06	40.42029572	4.4547E-05	0.001101719	0.000428262
2099 Mar	238.4642181	0.137367845	0.175198182	0.00436545	31.43906975	0.053427864	102.8163834	0.00191198	0.0009058	5.86834E-06	0.010143872	0.006356218	0.173012167	0.034010544	8.70324E-06	40.49522018	4.46291E-05	0.001103744	0.000429065
2099 Apr	240.2578125	0.138428971	0.176426023	0.004396178	31.68873787	0.053813778	103.5393295	0.001926038	0.000913022	5.91386E-06	0.010219697	0.006402499	0.174217463	0.034312647	8.76789E-06	40.82938766	4.49566E-05	0.001111945	0.000433178
2099 May	230.0310669	0.134686768	0.170920148	0.004254393	31.2627697	0.051778615	98.41970825	0.001872159	0.000893729	5.72851E-06	0.00983545	0.006181581	0.164966941	0.034424055	8.49539E-06	40.06814575	4.32129E-05	0.001083447	0.00043694
2099 Jun	224.6921692	0.131922111	0.16964817	0.004213042	30.87331581	0.050763134	96.62153625	0.001849198	0.000873604	5.59086E-06	0.009609725	0.006100436	0.161680922	0.033839487	8.35593E-06	39.25734329	4.24275E-05	0.001072727	0.000426677
2099 Jul	235.8562775	0.137553155	0.177003264	0.004400418	32.22529221	0.053107172	101.3296814	0.001934408	0.000916437	5.87109E-06	0.010073815	0.006381859	0.16967611	0.035337698	8.75049E-06	41.09332275	4.44694E-05	0.001120083	0.000446629
2099 Aug	246.1164703	0.142502725	0.182999551	0.004556177	33.3920784	0.055232551	105.5358505	0.002007247	0.000955127	6.12748E-06	0.01048443	0.006624217	0.176895976	0.036649548	9.09521E-06	42.75162506	4.62148E-05	0.001159822	0.000464812
2099 Sep	242.2033081	0.139301121	0.177440211	0.004430882	32.54614639	0.05421298	103.4928513	0.001960674	0.000940973	6.04398E-06	0.010310217	0.006465685	0.173736364	0.035776194	8.9081E-06	41.91366577	4.52503E-05	0.001128157	0.000455723
2099 Oct	240.4755249	0.137562677	0.174055785	0.004344497	31.89602089	0.053603295	103.210022	0.001936209	0.000920029	5.93871E-06	0.010205889	0.00642468	0.173333749	0.035161797	8.78777E-06	41.4229393	4.48702E-05	0.001118571	0.000447118
2099 Nov	240.6528168	0.137074873	0.173299611	0.004316721	31.6288166	0.053474933	103.9636917	0.001933965	0.00090502	5.87004E-06	0.010172541	0.006461998	0.17455861	0.034940135	8.7556E-06	41.32262421	4.49171E-05	0.00112447	0.000442435
2099 Dec	240.9028473	0.137167737	0.173427299	0.004319658	31.64818192	0.053511463	104.0825424	0.001935357	0.000905378	5.87362E-06	0.010180085	0.006468226	0.17476134	0.034961551	8.76183E-06	41.35661697	4.49583E-05	0.001125453	0.000442747
2100 Jan	241.07901	0.137179345	0.173448771	0.004320038	31.65012169	0.053515539	104.1591949	0.00193556	0.000905313	5.87493E-06	0.010182743	0.006470849	0.174898222	0.034964528	8.76333E-06	41.37307739	4.49793E-05	0.001125712	0.000442937
2100 Feb	241.1598206	0.137196094	0.173474923	0.004320582	31.65382957	0.053521488	104.196312	0.001935824	0.000905334	5.87569E-06	0.010184399	0.006472507	0.174962416	0.034969293	8.76461E-06	41.38273239	4.49907E-05	0.001125945	0.000443042
2100 Mar	241.2572174	0.137250721	0.173543587	0.004322279	31.6664772	0.053542469	104.2384796	0.001936592	0.000905683	5.87798E-06	0.01018841	0.006475126	0.175033063	0.034983616	8.76807E-06	41.39958572	4.50087E-05	0.001126401	0.000443227
2100 Apr	242.7458954	0.138097942	0.174613997	0.004348938	31.86198997	0.053872772	104.8813553	0.00194854	0.000911275	5.91426E-06	0.010251276	0.006515074	0.176112443	0.035199825	8.82217E-06	41.65525818	4.52864E-05	0.001133352	0.000445968
2100 May	242.1823425	0.137380242	0.172900692	0.004311381	31.86016464	0.053455561	104.1023865	0.001942447	0.000915613	5.92724E-06	0.010237307	0.006481877	0.174727693	0.035553396	8.80128E-06	41.83608246	4.51941E-05	0.001129138	0.000453841
2100 Jun	224.4340515	0.129043087	0.166260332	0.004130309	30.41147232	0.050268356	97.30913544	0.001853305	0.000859377	5.52366E-06	0.009554693	0.006147749	0.162696823	0.033692151	8.32414E-06	39.20661926	4.24412E-05	0.001080187	0.000423268
2100 Jul	229.0107574	0.130416423	0.169057801	0.004199428	30.78369904	0.051060501	99.58573914	0.001886567	0.000870506	5.61207E-06	0.009720571	0.006271843	0.166601747	0.034022309	8.46993E-06	39.78326797	4.33087E-05	0.001099854	0.00042702
2100 Aug	230.5339661	0.13001208	0.168499351	0.004187826	30.66787148	0.051331993	100.4981537	0.001892532	0.000869406	5.62229E-06	0.009744374	0.006311448	0.168251067	0.033964947	8.49474E-06	39.89382553	4.34242E-05	0.001104179	0.00042572
2100 Sep	233.3781128	0.130385146	0.168881252	0.004195879	30.69003868	0.051716264	102.028038	0.001904089	0.000868506	5.64292E-06	0.009805122	0.006381274	0.170934543	0.034010205	8.54372E-06	40.17710495	4.37803E-05	0.001113698	0.000426244
2100 Oct	235.5315857	0.130880877	0.169282079	0.004204227	30.73352623	0.051919375	103.09198	0.001910946	0.000868085	5.65961E-06	0.009856314	0.006426919	0.172791064	0.034067299	8.57554E-06	40.3973465	4.40871E-05	0.001119644	0.000427652
2100 Nov	236.2388153	0.131199881	0.169679865	0.004213562	30.79445267	0.052047294	103.4443665	0.001915547	0.000869225	5.67022E-06	0.009880141	0.006446217	0.173386708	0.034128342	8.59526E-06	40.49455261	4.42087E-05	0.001122744	0.000428374
2100 Dec	236.5677795	0.131300032	0.169801146	0.004216619	30.81709099	0.052086871	103.5793457	0.001916963	0.0008699	5.67609E-06	0.009889899	0.006452405	0.173623204	0.034154154	8.60254E-06	40.53763343	4.42578E-05	0.001123606	0.000428876
2101 Jan	236.8179932	0.131308436	0.169807836	0.004216793	30.81877899	0.052089576	103.6757278	0.001917052	0.000869958	5.67878E-06	0.009893844	0.006455009	0.173799902	0.034157299	8.60432E-06	40.56026459	4.42853E-05	0.001123734	0.000429194
2101 Feb	236.9392548	0.13130933	0.169806957	0.004216767	30.81904984	0.052089296	103.7217941	0.001917045	0.000869964	5.68E-06	0.009895548	0.006456169	0.173884571	0.034158543	8.60498E-06	40.57105637	4.42981E-05	0.001123773	0.000429355
2101 Mar	237.0200958	0.131349847	0.169858217	0.004218041	30.828619	0.052105092	103.7563019	0.001917628	0.000870234	5.68183E-06	0.009898689	0.006458213	0.173942804	0.034169473	8.60766E-06	40.58446503	4.43124E-05	0.001124119	0.000429505
2101 Apr	237.8945618	0.131831765	0.170478418	0.004233443	30.94187927	0.052295528	104.137558	0.001924643	0.00087343	5.70273E-06	0.009935015	0.006481892	0.174582079	0.034295782	8.6392E-06	40.73437119	4.44752E-05	0.001128237	0.000431107
2101 May	235.5395966	0.131390959	0.169118956	0.004205377	30.99898338	0.051963735	102.626236	0.00191997	0.000879582	5.70655E-06	0.009903375	0.006430001	0.171850622	0.034653131	8.61602E-06	40.76637268	4.41939E-05	0.001123262	0.000436786

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jun	226.5058899	0.127495125	0.165741399	0.004116101	30.36917305	0.050382908	98.97015381	0.001878018	0.000856074	5.52309E-06	0.0095825	0.006258299	0.165342286	0.033906516	8.3903E-06	39.55327225	4.28512E-05	0.001099081	0.000424375
2101 Jul	238.8198242	0.133886725	0.174353436	0.004331117	31.91326523	0.052996043	104.3747025	0.001976427	0.000900852	5.81817E-06	0.010091621	0.006589343	0.174433991	0.035597451	8.83265E-06	41.60737991	4.51605E-05	0.001156059	0.000445872
2101 Aug	250.5505981	0.139702201	0.181802511	0.004518908	33.30511856	0.055390816	109.383728	0.002063847	0.000942474	6.09627E-06	0.010559167	0.006887435	0.182915121	0.037166353	9.23313E-06	43.54304504	4.72518E-05	0.001206312	0.000466899
2101 Sep	248.6212158	0.137677372	0.177703112	0.004429851	32.71951294	0.054781098	108.1399765	0.002031229	0.000935741	6.06148E-06	0.010466061	0.006775507	0.181111068	0.036562391	9.11283E-06	43.03076172	4.66433E-05	0.00118254	0.000461606
2101 Oct	248.535553	0.136766657	0.175468743	0.004380673	32.39808655	0.054417852	107.8430862	0.002012683	0.000931278	6.04818E-06	0.010434474	0.006723487	0.180810317	0.036232688	9.04892E-06	42.82906723	4.64474E-05	0.001169781	0.000459926
2101 Nov	243.9121094	0.134114176	0.170408949	0.004265215	31.62264824	0.053375147	105.5111618	0.00196658	0.000916947	5.9553E-06	0.010263528	0.006560544	0.177056223	0.035423752	8.85954E-06	41.96264648	4.54963E-05	0.001138955	0.000451041
2101 Dec	243.27742	0.133857369	0.169716597	0.004250516	31.53583336	0.053280462	105.1637344	0.001961575	0.000916395	5.9489E-06	0.010249385	0.006538915	0.176491216	0.03534621	8.83992E-06	41.8655777	4.53801E-05	0.00113502	0.000450148
2102 Jan	243.3804932	0.133852199	0.16970019	0.004250153	31.534235	0.053277753	105.200325	0.001961451	0.000916386	5.94991E-06	0.010250666	0.00653955	0.17656	0.035345953	8.8401E-06	41.87401199	4.53898E-05	0.001134971	0.00045029
2102 Feb	243.4256744	0.133873016	0.169722527	0.004250716	31.53934288	0.053285092	105.2177734	0.001961729	0.000916534	5.95092E-06	0.010252291	0.006540554	0.176589489	0.035352722	8.84143E-06	41.88194656	4.53972E-05	0.001135138	0.000450397
2102 Mar	243.5614929	0.133945093	0.169811815	0.004252953	31.556427	0.053313252	105.2753448	0.00196277	0.000917029	5.95418E-06	0.010257834	0.006544077	0.176686272	0.035372425	8.84616E-06	41.9053154	4.54219E-05	0.001135745	0.00045066
2102 Apr	244.2467651	0.134322375	0.17028892	0.004264902	31.64537621	0.053463116	105.5710678	0.00196829	0.000919613	5.97094E-06	0.010286691	0.006562477	0.177182451	0.035472434	8.87105E-06	42.02352905	4.55496E-05	0.00113894	0.000451937
2102 May	247.5968628	0.136162788	0.172619566	0.004323287	32.07915115	0.054195292	107.0176315	0.001995256	0.000932232	6.05287E-06	0.010427739	0.006652379	0.179610386	0.035959393	8.99262E-06	42.60020065	4.61741E-05	0.001154541	0.000458151
2102 Jun	233.2863922	0.127396941	0.164689183	0.004130299	30.23125458	0.051592484	102.0242462	0.001926536	0.000888781	5.74976E-06	0.009989423	0.00638482	0.171154469	0.033783846	8.63061E-06	40.07849884	4.43845E-05	0.001112383	0.000421811
2102 Jul	232.2064514	0.126854509	0.166690856	0.004178347	30.2747097	0.051879868	102.4179916	0.001950117	0.0008901	5.7452E-06	0.010018438	0.006440461	0.171674177	0.033570584	8.69714E-06	39.84538651	4.46291E-05	0.001124693	0.00041274
2102 Aug	238.5574341	0.129831076	0.170278862	0.004274716	30.99568367	0.053304479	105.0480118	0.001999094	0.000916564	5.91586E-06	0.010288113	0.006596164	0.176193565	0.034399062	8.92586E-06	40.88650513	4.5732E-05	0.001150261	0.000423586
2102 Sep	239.5060425	0.130210236	0.169962659	0.004274214	31.03382111	0.053573925	105.2653046	0.002003466	0.000923289	5.95693E-06	0.010341031	0.006601598	0.176666662	0.034468919	8.95597E-06	41.01848221	4.58275E-05	0.001149871	0.000424943
2102 Oct	232.8761749	0.126773104	0.163398102	0.004113984	29.94397354	0.052180827	102.5259857	0.001945311	0.000893579	5.77437E-06	0.0100793	0.006423514	0.172099531	0.033422675	8.69117E-06	39.86022568	4.45575E-05	0.001117649	0.000411034
2102 Nov	233.7250977	0.127019584	0.163580641	0.004118802	29.98303413	0.052281555	102.8919525	0.001948647	0.000894841	5.78746E-06	0.010104902	0.006439802	0.17274186	0.03347709	8.70803E-06	39.96616364	4.4683E-05	0.001119819	0.000412114
2102 Dec	234.0269318	0.127071008	0.163638771	0.00412031	29.99430084	0.05230245	103.0122375	0.001949385	0.000895211	5.79191E-06	0.010112003	0.006444236	0.172957391	0.033490553	8.71258E-06	39.99946594	4.47226E-05	0.001120294	0.000412527
2103 Jan	234.0667114	0.127086803	0.163654774	0.00412073	29.99783516	0.052308511	103.0279617	0.0019496	0.000895328	5.79276E-06	0.010113408	0.006445044	0.172984615	0.03349499	8.71364E-06	40.00552368	4.47289E-05	0.001120417	0.000412601
2103 Feb	234.1451874	0.12713024	0.163708597	0.004122086	30.00819778	0.052325841	103.0616531	0.00195025	0.000895635	5.79473E-06	0.010116793	0.006447186	0.173040941	0.03350709	8.71656E-06	40.01948929	4.47438E-05	0.001120793	0.000412755
2103 Mar	234.3204346	0.127225846	0.163830549	0.004125157	30.03082275	0.052364897	103.1383286	0.001951708	0.00089631	5.79908E-06	0.010124362	0.006452	0.173169553	0.033532646	8.72308E-06	40.04974365	4.47772E-05	0.001121632	0.000413073
2103 Apr	235.2295837	0.127719745	0.164465874	0.004141155	30.14743423	0.052568	103.5382233	0.001959279	0.00089979	5.82158E-06	0.010163642	0.006477028	0.17384091	0.03366302	8.75692E-06	40.20530319	4.49509E-05	0.001125984	0.00041468
2103 May	237.4279175	0.128119975	0.164417595	0.00414002	30.35276794	0.052555833	104.1313095	0.001966372	0.00090563	5.86317E-06	0.010216893	0.00651115	0.174794585	0.034173563	8.79479E-06	40.71025848	4.52637E-05	0.001131912	0.000424861
2103 Jun	225.3488464	0.122151062	0.159098387	0.003984286	29.335289	0.049800981	99.37020111	0.001890085	0.000854893	5.52586E-06	0.00965353	0.006270864	0.166208476	0.033088416	8.39474E-06	39.03943253	4.31663E-05	0.00109666	0.000409916
2103 Jul	231.1005249	0.12459258	0.163328245	0.004089628	29.98439789	0.05110899	102.2445679	0.00191841	0.00087391	5.65622E-06	0.009887706	0.006447612	0.171026036	0.033733856	8.61475E-06	39.90870285	4.42879E-05	0.001126327	0.000416324
2103 Aug	234.0744934	0.12462873	0.163392052	0.004098138	30.02186775	0.051826466	103.7770844	0.001963234	0.000881879	5.71944E-06	0.009983175	0.006531633	0.173690453	0.033955157	8.70965E-06	40.30335617	4.46648E-05	0.001137194	0.000418335
2103 Sep	234.676239	0.124436729	0.162167683	0.004066402	29.79119301	0.051769208	104.2962112	0.001956687	0.000872772	5.68538E-06	0.009968489	0.006540111	0.174635783	0.033717588	8.67618E-06	40.23058701	4.4637E-05	0.001136154	0.000415231
2103 Oct	229.4996033	0.122880943	0.159218982	0.003989	29.16965294	0.050987456	102.4916382	0.001919023	0.00084735	5.53063E-06	0.009754951	0.00642569	0.171517134	0.032785699	8.48762E-06	39.24658203	4.36363E-05	0.001115641	0.000400358
2103 Nov	228.4428711	0.122617155	0.158629179	0.003973929	29.04590225	0.050841365	102.1146317	0.001910977	0.000842241	5.49988E-06	0.009711278	0.006400242	0.170870751	0.032573618	8.44805E-06	39.03232956	4.34201E-05	0.001110867	0.000397036
2103 Dec	228.6862946	0.12264277	0.158650666	0.003974535	29.05076599	0.050851684	102.2093353	0.001911306	0.000842433	5.50307E-06	0.009716203	0.006403202	0.171042815	0.032579962	8.45073E-06	39.05646515	4.34493E-05	0.001111096	0.00039735
2104 Jan	228.7030334	0.122648768	0.158652976	0.003974615	29.05194092	0.050853606	102.2149277	0.001911365	0.000842481	5.50343E-06	0.009716757	0.006403443	0.171052724	0.032581862	8.45108E-06	39.05906677	4.34516E-05	0.001111126	0.000397389
2104 Feb	228.7303314	0.122664467	0.158670634	0.003975058	29.05579376	0.050859425	102.2260361	0.001911589	0.000842592	5.50412E-06	0.009717911	0.006404181	0.171071023	0.03258685	8.45208E-06	39.06442261	4.34566E-05	0.001111259	0.000397456
2104 Mar	228.9123535	0.122762665	0.158796206	0.003978204	29.07912636	0.050899763	102.3067932	0.001913108	0.000843268	5.50852E-06	0.009725642	0.006409264	0.171205997	0.032613374	8.4588E-06	39.09588242	4.34911E-05	0.001112143	0.000397783
2104 Apr	230.3188019	0.123516932	0.15977104	0.004002626	29.25782967	0.051212277	102.9349976	0.001924856	0.00084845	5.54236E-06	0.009785379	0.006448623	0.17225723	0.032814	8.51075E-06	39.33625031	4.37582E-05	0.001118973	0.000400233
2104 May	229.2531281	0.123300418	0.158488184	0.003975976	29.39296532	0.05087262	101.7895737	0.00192118	0.000856639	5.56594E-06	0.009777469	0.006409279	0.170177072	0.03334368	8.50061E-06	39.5814743	4.36255E-05	0.001115476	0.000410184
2104 Jun	219.4346619	0.118918262	0.154802293	0.003869714	28.68470955	0.048861165	97.80644989	0.001866168	0.000823206	5.32787E-06	0.009369899	0.006215845	0.163053811	0.032547574	8.21358E-06	38.27063751	4.20439E-05	0.001088376	0.000398366
2104 Jul	226.9746704	0.122420259	0.159673005	0.003996033	29.57649231	0.050521303	101.1427841	0.001929598	0.000853284	5.52272E-06	0.009696268	0.00642092	0.168691441	0.033549696	8.49755E-06	39.51013184	4.34828E-05	0.001122951	0.000410679
2104 Aug	232.0135498	0.124438226	0.161981896	0.004061389	30.08149147	0.051607765	103.1734314	0.001965705	0.000874195	5.65953E-06	0.009901471	0.006535508	0.1722195	0.03415769	8.67008E-06	40.30817032	4.42977E-05	0.001140722	0.000419136
2104 Sep	230.6908875	0.122985162	0.159034237	0.003991998	29.60037804	0.051217485	102.6581039	0.001944734	0.000863384	5.60499E-06	0.009823234	0.006482316	0.171505034	0.033708539	8.58099E-06	39.94897842	4.38879E-05	0.001129057	0.000413681
2104 Oct	229.7827301	0.122372657	0.1570528	0.00393653	29.17045021	0.050960246	102.920105	0.001932775	0.000844459	5.51146E-06	0.009759674	0.006485874	0.171912879	0.033295341	8.50552E-06	39.65354156	4.37032E-05	0.00112845	0.000406244
2104 Nov	229.2086334	0.122300103	0.156793475	0.003929808	29.1041317	0.050906371	102.7458191	0.001928777	0.000841447	5.49378E-06	0.009737308	0.006473474	0.171612129	0.033159859	8.48477E-06	39.52505493	4.35874E-05	0.001126018	0.00040395
2104 Dec	229.4565125	0.122339346	0.156835362	0.003930906	29.11258125	0.050922468	102.8444901	0.001929343	0.000841728	5.49734E-06	0.009742988	0.006477032	0.17178902	0.033170205	8.48832E-06	39.5520401	4.36193E-05	0.001126385	0.000404285
2105 Jan	229.5557709	0.122334622	0.156824842	0.003930658	29.1112175	0.050919957	102.8809891	0.001929236	0.000841701	5.49822E-06	0.009744127	0.006477718	0.171857148	0.033169441	8.4885E-06	39.55981445	4.36287E-05	0.001126353	0.00040441
2105 Feb	229.5942688	0.122352123	0.156845108	0.003931167	29.11549187	0.050926663	102.8968811	0.001929494	0.000841823	5.49907E-06	0.00974555	0.006478647	0.171883926	0.033174872	8.48969E-06	39.56637573	4.36353E-05	0.001126508	0.00040449
2105 Mar	229.6589508	0.122386567	0.156888053	0.003932244	29.12374306	0.050940678	102.9253159	0.001930027	0.000842061	5.50062E-06	0.009748265	0.006480442	0.171931341	0.033184569	8.49205E-06	39.57774353	4.36474E-05	0.001126821	0.000404613
2105 Apr	230.4315643	0.122798502	0.15741545	0.003945462	29.22180557	0.051111963	103.2712936	0.001936518	0.000844896	5.51913E-06	0.009781056	0.006502234	0.172509193	0.03329647	8.52061E-06	39.71106339	4.37942E-05	0.001130611	0.000405979
2105 May	229.9512329	0.122623503	0.156491816	0.003925721	29.32331848	0.050845936	102.5626755	0.001934099	0.000850575	5.53744E-06	0.009778533	0.006478481	0.171210319	0.033704005	8.51495E-06	39.92774582	4.37391E-05	0.001128717	0.000413884
2105 Jun	227.7035217	0.121916994	0.156048998	0.003911645	29.37571907	0.05038093	101.4498901	0.001929906	0.000849346	5.50704E-06	0.009710025	0.006447011	0.16909495	0.033927225	8.4809E-06	39.8781929	4.34899E-05	0.001127492	0.000417075
2105 Jul	235.3208771	0.12523365	0.160266146	0.004023709	30.21158981	0.05199001	104.6943054	0.001989415	0.000879466	5.70382E-06	0.010029563	0.006641255	0.174610481	0.034938324	8.7533E-06	41.13282776	4.48654E-05	0.001159335	0.000430425
2105 Aug	236.8848419	0.124003187	0.158845067	0.003987081	29.88612938	0.052040491	105.8588867	0.001988975	0.000869933	5.67684E-06	0.010010637	0.006684082	0.176704586	0.034709543	8.74389E-06	41.1478653	4.49064E-05	0.001162855	0.000427106
2105 Sep	235.4604797	0.122278243	0.156627595	0.003924852	29.31076431	0.051521149	105.9054947	0.00196472	0.000845119	5.55759E-06	0.009863473	0.006651731	0.176871553	0.03390187	8.61886E-06	40.56139755	4.44077E-05	0.001153849	0.000415285
2105 Oct	233.0946503	0.121137366	0.15484181	0.003877362	28.88134575	0.050950281	105.155098	0.001938741	0.000827571	5.46353E-06	0.009734044	0.006583548	0.175643742	0.033208184	8.49675E-06	39.94443512	4.38749E-05	0.001139837	0.000405715
2105 Nov	231.7586823	0.120726794	0.154096946	0.00385892	28.72396088	0.050746664	104.6445847	0.001928723	0.000822075	5.42929E-06	0.009683322	0.00654967	0.174783528	0.032952636	8.44961E-06	39.67855072	4.36228E-05	0.001133632	0.000401841
2105 Dec	231.8987274	0.120740801	0.1541031	0.003859145	28.72609138	0.050752282	104.6980209	0.001928875	0.000822189	5.43116E-06	0.009686184	0.006551231	0.17488122	0.032955658	8.45104E-06	39.69210815	4.36392E-05	0.00113373	0.000402019
2106 Jan	231.9108124	0.120744742	0.154102623	0.003859157	28.72677612	0.05075334	104.7015228	0.001928901	0.000822224	5.43143E-06	0.009686562	0.006551352	0.174887583	0.03295701	8.45124E-06	39.69398117	4.36406E-05	0.00113374	0.000402051
2106 Feb	231.9230499	0.120751701	0.154108837	0.003859313	28.7285614	0.050755542	104.7058563	0.00192899	0.000822274	5.43173E-06	0.009687042	0.006551651	0.174894586	0.032959715	8.45165E-06	39.69668961	4.36427E-05	0.001133795	0.000402092
2106 Mar	232.0138397	0.120799579	0.154168501	0.003860807	28.74002647	0.050775278	104.7462234	0.001929743	0.000822602	5.43388E-06	0.009690832	0.006554201	0.17496185	0.032973222	8.45495E-06	39.71260834	4.36597E-05	0.001134239	0.00040226
2106 Apr	233.041153	0.121334821	0.154850751	0.003877893	28.86740875	0.051000025	105.2096786	0.001938286	0.000826247	5.45795E-06	0.009733741	0.006583214	0.175735891	0.03311957	8.49239E-06	39.88866806	4.3853E-05	0.001139261	0.000404048
2106 May	235.5073395	0.122478478	0.155836627	0.003905673	29.18470764	0.051415823	106.0434647	0.001956364	0.00083808	5.52957E-06	0.009842858	0.006638531	0.177124828	0.033625513	8.57858E-06	40.40942383	4.43093E-05	0.001149182	0.000411955
2106 Jun	223.2594452	0.116777547	0.150491565	0.003772347	28.26805878	0.049020227	100.5556641	0.001891901	0.000813399	5.3172E-06	0.009438532	0.006364715	0.167604953	0.032672364	8.26879E-06	38.78559875	4.25576E-05	0.001109486	0.000398629
2106 Jul	231.3474884	0.120195493	0.15590243	0.00391285	29.1954937	0.050802078	104.3159027	0.001963897	0.000845396	5.52587E-06	0.009794725	0.006596282	0.173960686	0.033664245	8.58438E-06	40.06280518	4.41748E-05	0.001148571	0.000409862
2106 Aug	232.9099884	0.11925897	0.154411018	0.003884566	28.98959732	0.051026721	104.9947357	0.001965278	0.000847692	5.55569E-06	0.009817373	0.006612856	0.175302923	0.033577915	8.60195E-06	40.15471268	4.42016E-05	0.001147035	0.00040956
2106 Sep	234.692215	0.118569709	0.152813554	0.003837936	28.63213348	0.051043618	106.5294724	0.001964377	0.000830855	5.4944E-06	0.009800003	0.006676539	0.177972317	0.033333238	8.57831E-06	40.20166779	4.43211E-05	0.001155297	0.000405244
2106 Oct	235.6932068	0.118672207	0.152467161	0.003829259	28.55685997	0.051019013	107.0005569	0.001960512	0.000827317	5.48972E-06	0.009805875	0.006681297	0.178849727	0.033190131	8.56578E-06	40.2021904	4.43829E-05	0.00115368	0.000404402
2106 Nov	236.5005646	0.118962392	0.152823076	0.003838256	28.62422371	0.051142555	107.3505249	0.00196517	0.000829295	5.50528E-06	0.009833045	0.006699515	0.17945081	0.033268727	8.58752E-06	40.31821823	4.45145E-05	0.00115648	0.000405636
2106 Dec	236.6965637	0.118992791	0.152856037	0.003839119	28.63088989	0.051155396	107.4290466	0.001965631	0.000829515	5.50808E-06	0.00983753	0.006702375	0.179591253	0.033276979	8.59035E-06	40.33964157	4.45399E-05	0.00115678	0.000405901
2107 Jan	236.7180328	0.118999831	0.152861834	0.003839278	28.6324234	0.051158041	107.4372864	0.001965724	0.000829568	5.5085E-06	0.00983821	0.006702758	0.179605648	0.033279099	8.59084E-06	40.34275818	4.4543E-05	0.001156834	0.000405941
2107 Feb	236.785675	0.119031981	0.152901575	0.003840276	28.64023209	0.051171426	107.46698	0.001966241	0.000829793	5.51003E-06	0.009840881	0.006704563	0.179655448	0.033288561	8.59313E-06	40.35426331	4.45552E-05	0.00115714	0.000406067
2107 Mar	237.0107422	0.119144209	0.153044879	0.003843875	28.66727448	0.051219426	107.5685959	0.001968087	0.000830576	5.51524E-06	0.009850164	0.00671088	0.17982538	0.033320203	8.60122E-06	40.39262772	4.45973E-05	0.001158229	0.000406458
2107 Apr	237.5348206	0.119407505	0.153382584	0.003852358	28.73064804	0.051332481	107.8061905	0.001972432	0.000832412	5.52744E-06	0.009871923	0.0067257	0.180222556	0.033393983	8.62021E-06	40.48200226	4.46958E-05	0.001160787	0.00040736
2107 May	236.3438721	0.119368307	0.153015211	0.003844907	28.80679321	0.051178075	107.0271454	0.001970593	0.000835864	5.53009E-06	0.009856298	0.006700769	0.178804055	0.033610631	8.61148E-06	40.51628113	4.4563E-05	0.001158932	0.00041069
2107 Jun	229.2571564	0.117341191	0.150335863	0.003782018	28.60152245	0.050032355	103.3690414	0.001941575	0.000833431	5.45512E-06	0.009675507	0.006543171	0.172357723	0.03362038	8.47534E-06	39.92393494	4.36103E-05	0.001139155	0.000411108
2107 Jul	234.2041779	0.118973829	0.152345046	0.003842161	29.05197716	0.05105206	105.3563614	0.001978114	0.000855489	5.59773E-06	0.009887815	0.006655358	0.175814942	0.034212291	8.65058E-06	40.69813538	4.44682E-05	0.001156058	0.000419543
2107 Aug	242.4442902	0.122403882	0.156601474	0.003954649	29.90958023	0.052719343	108.8968124	0.002039232	0.000885174	5.7977E-06	0.01021448	0.00686222	0.181842431	0.035252985	8.92956E-06	42.02957153	4.58942E-05	0.001189618	0.000433563
2107 Sep	245.3533936	0.123177901	0.156564996	0.003960892	29.99907684	0.05306321	109.893898	0.002046434	0.000892993	5.86193E-06	0.010312278	0.006893039	0.183704615	0.035381146	8.98071E-06	42.35897446	4.62572E-05	0.001191467	0.00043752
2107 Oct	244.7360535	0.122241721	0.154314443	0.003903575	29.58599663	0.052647028	109.8197327	0.002028497	0.000879655	5.79961E-06	0.010253308	0.006864276	0.183672428	0.034998409	8.90031E-06	42.09159088	4.60496E-05	0.001184253	0.000433141
2107 Nov	244.5432281	0.122074783	0.153734446	0.003886767	29.46085739	0.052577078	109.9654465	0.002026269	0.000873941	5.77122E-06	0.010239575	0.006871738	0.18390125	0.034912016	8.88233E-06	42.03371429	4.60307E-05	0.001185529	0.000431261
2107 Dec	244.8736267	0.122091107	0.153746814	0.003887128	29.46388435	0.052583758	110.0934143	0.002026481	0.000874067	5.775E-06	0.010245205	0.006875302	0.184134752	0.034916557	8.88499E-06	42.06400299	4.60678E-05	0.001185726	0.000431673
2108 Jan	244.9829865	0.122099966	0.153753594	0.003887316	29.46578407	0.052586999	110.1354218	0.002026593	0.000874135	5.77635E-06	0.010247219	0.006876564	0.184210941	0.034919485	8.88604E-06	42.07492065	4.60804E-05	0.001185816	0.000431825
2108 Feb	245.022171	0.122111447	0.153765902	0.003887627	29.46865082	0.05259132	110.1509781	0.002026764	0.000874218	5.77706E-06	0.010248352	0.006877306	0.184237838	0.034923438	8.8869E-06	42.0806427	4.60862E-05	0.001185924	0.000431901
2108 Mar	245.2827454	0.122241184	0.153928086	0.003891728	29.50001335	0.052646857	110.2675323	0.002028906	0.000875148	5.7832E-06	0.010259212	0.006884584	0.18443273	0.034960888	8.89631E-06	42.12559128	4.6135E-05	0.001187179	0.000432368
2108 Apr	247.3580627	0.123277843	0.155228212	0.0039246	29.75043297	0.053091824	111.1982574	0.002046064	0.000882573	5.8322E-06	0.010346008	0.00694278	0.185988858	0.035258912	8.97157E-06	42.4834137	4.6525E-05	0.001197223	0.000436067

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 May	251.6878204	0.125444561	0.157842636	0.00399112	30.2801342	0.054000694	113.0856323	0.002081407	0.000898608	5.93668E-06	0.010527722	0.007061691	0.189140961	0.035915326	9.12782E-06	43.25174332	4.73342E-05	0.001217846	0.000444531
2108 Jun	240.2303314	0.120147422	0.151090965	0.003839214	29.20213318	0.052075464	107.7485046	0.002024404	0.000886112	5.79172E-06	0.010256893	0.006790826	0.180144101	0.034964144	8.87279E-06	41.71146774	4.58657E-05	0.001177293	0.000430234
2108 Jul	250.8510284	0.124974363	0.157518119	0.004006904	30.42336273	0.054342125	112.5096893	0.002115537	0.000927928	6.06259E-06	0.010730295	0.007087407	0.188177317	0.036420859	9.27534E-06	43.49695206	4.79732E-05	0.001228235	0.000447987
2108 Aug	263.8823853	0.130881011	0.164799049	0.004195674	31.86722755	0.057023153	118.2108765	0.002217162	0.000974857	6.37563E-06	0.011265581	0.007430908	0.197816283	0.038163513	9.73064E-06	45.66641617	5.03417E-05	0.001285919	0.000470609
2108 Sep	266.0606384	0.131313846	0.164656639	0.004197777	31.91449928	0.057258345	118.9402237	0.002221393	0.000980464	6.42317E-06	0.011332473	0.007450659	0.199199155	0.038236469	9.76507E-06	45.89970016	5.05862E-05	0.0012865	0.000473458
2108 Oct	254.6864777	0.12638019	0.155543104	0.003982777	30.40011787	0.055045649	113.4532852	0.002120852	0.000945799	6.18792E-06	0.010916891	0.007093083	0.19018738	0.036506202	9.34364E-06	43.9029007	4.83696E-05	0.001222195	0.000452525
2108 Nov	253.7208252	0.126005217	0.154523492	0.00395907	30.24211121	0.054877914	113.0161743	0.002112229	0.000942395	6.16595E-06	0.010886583	0.007064084	0.189474359	0.036350228	9.30666E-06	43.73268509	4.81862E-05	0.001216867	0.00045044
2108 Dec	254.0054932	0.126042545	0.154561222	0.003960086	30.2501812	0.054893825	113.1288681	0.002112797	0.000942682	6.16991E-06	0.010892812	0.007067971	0.189676836	0.036360603	9.31041E-06	43.76283646	4.8222E-05	0.00121724	0.000450821
2109 Jan	254.0349121	0.12605159	0.154568017	0.003960279	30.25213242	0.054897211	113.1399765	0.002112914	0.000942753	6.17048E-06	0.01089373	0.00706847	0.189696327	0.036363393	9.31104E-06	43.76704025	4.82262E-05	0.001217306	0.000450877
2109 Feb	254.086853	0.126077771	0.154598042	0.003961049	30.25851631	0.054907992	113.1621475	0.002113333	0.000942949	6.17175E-06	0.010895919	0.007069873	0.189733312	0.036371563	9.3129E-06	43.77645493	4.82359E-05	0.00121755	0.000450985
2109 Mar	254.3802032	0.126223803	0.154776007	0.003965608	30.29362297	0.054971252	113.2922897	0.00211577	0.000944042	6.17889E-06	0.010908493	0.007078022	0.189951405	0.036414035	9.32365E-06	43.82729721	4.82915E-05	0.001218955	0.000451515
2109 Apr	255.8328247	0.126945138	0.155659378	0.003988242	30.46679306	0.055285059	113.9387589	0.002127851	0.000949437	6.21419E-06	0.010970782	0.007118429	0.191035151	0.036622457	9.37689E-06	44.07787323	4.85672E-05	0.001225916	0.000454102
2109 May	254.447525	0.126784429	0.154968888	0.003969627	30.52695274	0.055027258	113.1546021	0.002126495	0.000950253	6.19961E-06	0.0109434	0.007103642	0.189529821	0.03696771	9.36202E-06	44.18319321	4.84362E-05	0.001227154	0.000459015
2109 Jun	250.7310791	0.125890136	0.153965563	0.003937817	30.528368	0.054346785	111.4697266	0.002118493	0.000945088	6.13352E-06	0.010835576	0.007060666	0.186339006	0.037300922	9.30105E-06	44.0839386	4.8024E-05	0.001226853	0.000462777
2109 Jul	256.4396973	0.127273694	0.155772746	0.003990922	30.91353035	0.055335186	113.929184	0.00215536	0.00096381	6.26774E-06	0.011047094	0.007191254	0.190612823	0.037859764	9.47514E-06	44.90550232	4.89631E-05	0.001245818	0.000471149
2109 Aug	263.466217	0.129248068	0.158357114	0.004061588	31.43398094	0.05665841	117.1304932	0.002203702	0.000984453	6.41931E-06	0.011296848	0.007369677	0.196094528	0.038600951	9.69352E-06	45.95497513	5.0096E-05	0.001272878	0.000481151
2109 Sep	263.3940735	0.128196746	0.156376556	0.004009338	31.02645111	0.056230441	117.3115692	0.002184535	0.000969434	6.35511E-06	0.011223983	0.00734467	0.196531281	0.038142391	9.609E-06	45.68540192	4.9876E-05	0.001265191	0.000476349
2109 Oct	254.410202	0.124576382	0.151814938	0.003877675	29.8677063	0.054434121	114.350235	0.002113423	0.000917252	6.04683E-06	0.01079671	0.007152127	0.191426143	0.03647209	9.25451E-06	43.92428589	4.8163E-05	0.001231807	0.000450767
2109 Nov	254.5473633	0.124640979	0.151848614	0.003878108	29.85947609	0.054437462	114.440979	0.002112719	0.000916169	6.04357E-06	0.010794591	0.007153076	0.191589236	0.036424275	9.25103E-06	43.90702057	4.81612E-05	0.0012315	0.000450159
2109 Dec	254.8860626	0.124688961	0.151899844	0.003879461	29.87016296	0.054458089	114.5763931	0.002113477	0.00091653	6.04833E-06	0.01080218	0.007157933	0.19183144	0.036438014	9.25576E-06	43.94379425	4.82046E-05	0.001231998	0.000450619
2110 Jan	254.9641724	0.124714263	0.15192686	0.003880167	29.87603378	0.054468639	114.6085892	0.002113875	0.000916719	6.04984E-06	0.010804723	0.00715953	0.191887125	0.036445599	9.25769E-06	43.95503998	4.82168E-05	0.001232234	0.000450751
2110 Feb	255.0384674	0.124749087	0.151967421	0.003881203	29.88446236	0.05448328	114.6408463	0.002114447	0.000916976	6.05156E-06	0.010807727	0.007161505	0.191941231	0.036456332	9.26023E-06	43.96792221	4.82303E-05	0.00123257	0.000450895
2110 Mar	255.2463379	0.124851242	0.152090877	0.003884356	29.90898895	0.054527592	114.7338333	0.002116169	0.000917728	6.05651E-06	0.010816533	0.007167331	0.19209677	0.036486492	9.26777E-06	44.00403595	4.82696E-05	0.001233575	0.00045127
2110 Apr	256.125061	0.125281349	0.152614251	0.003897723	30.01205444	0.054715261	115.1285706	0.002123453	0.000920889	6.07737E-06	0.01085377	0.007191999	0.192757621	0.036612358	9.29968E-06	44.15568924	4.84357E-05	0.001237822	0.000452828
2110 May	258.4897156	0.126073271	0.153496772	0.003920062	30.24254227	0.054994211	116.0463028	0.002136973	0.000927672	6.12608E-06	0.010931776	0.007243446	0.194304898	0.036959726	9.36292E-06	44.56897354	4.88259E-05	0.001246312	0.00045871
2110 Jun	242.7893829	0.118594013	0.146929011	0.003738767	28.93320274	0.051441602	109.1617279	0.00203075	0.000875844	5.76035E-06	0.01026743	0.006867669	0.18237704	0.035372209	8.86066E-06	42.25196457	4.61728E-05	0.001188756	0.000438827
2110 Jul	248.9529724	0.121010885	0.150434762	0.003832503	29.58822632	0.052782368	112.0046234	0.002085441	0.000900546	5.92072E-06	0.010542491	0.007044233	0.187188268	0.036168948	9.10004E-06	43.25792694	4.7395E-05	0.001218437	0.000448068
2110 Aug	243.8134613	0.116814211	0.147182882	0.00374028	28.67233658	0.052021451	111.0496216	0.002052579	0.000863965	5.7156E-06	0.010223939	0.006982671	0.185513124	0.035014234	8.90983E-06	42.1418457	4.61845E-05	0.001205521	0.000427494
2110 Sep	239.0183105	0.114846334	0.144450009	0.003665468	28.01189613	0.051105045	109.4328079	0.002009887	0.000835167	5.55087E-06	0.009982069	0.006863473	0.182808027	0.033939809	8.70537E-06	41.09660339	4.51514E-05	0.001183407	0.000411643
2110 Oct	233.4539032	0.113610804	0.141911313	0.003599383	27.45360756	0.050310746	107.328598	0.001970607	0.000812302	5.40531E-06	0.009776743	0.006732543	0.179211855	0.032997847	8.51766E-06	40.0620842	4.41485E-05	0.001160776	0.000396758
2110 Nov	232.4704132	0.113237858	0.141299278	0.003583221	27.31803703	0.050100967	106.9540329	0.001961034	0.000806778	5.37362E-06	0.009730074	0.00670441	0.178588167	0.032780673	8.47414E-06	39.84761429	4.39452E-05	0.001155493	0.00039382
2110 Dec	232.7806854	0.113265708	0.141322091	0.003583874	27.32346725	0.050112776	107.0752487	0.001961428	0.000806992	5.37756E-06	0.009736122	0.006708136	0.178807631	0.032787971	8.47736E-06	39.87805557	4.39819E-05	0.001155773	0.000394218
2111 Jan	232.8813324	0.113270842	0.141323298	0.003583926	27.32443237	0.050114337	107.1131439	0.001961474	0.000807034	5.37873E-06	0.009737802	0.006709149	0.178876787	0.032789834	8.47811E-06	39.8876152	4.39929E-05	0.00115582	0.000394357
2111 Feb	232.9156647	0.113277487	0.141329095	0.003584073	27.32615089	0.050116513	107.1261063	0.001961563	0.000807083	5.37925E-06	0.00973859	0.006709665	0.178899586	0.032792538	8.47864E-06	39.89216614	4.39973E-05	0.001155882	0.000394424
2111 Mar	233.292923	0.113460623	0.141556218	0.003589833	27.37039566	0.050197124	107.2988663	0.001964721	0.000808389	5.38796E-06	0.009754305	0.006720477	0.179188043	0.032845963	8.4923E-06	39.95697021	4.40683E-05	0.001157745	0.000395072
2111 Apr	234.766861	0.114177831	0.142450243	0.003612505	27.54344749	0.050514191	107.9764252	0.001977132	0.0008135	5.42201E-06	0.00981593	0.006762928	0.180319458	0.033053815	8.54596E-06	40.20963287	4.43466E-05	0.001165059	0.000397574
2111 May	235.8170166	0.11513298	0.14320527	0.003634321	27.85876656	0.050807245	108.1713104	0.001992737	0.000824988	5.47801E-06	0.009894684	0.006797912	0.180544734	0.033596329	8.6154E-06	40.63470459	4.46329E-05	0.001173447	0.00040521
2111 Jun	227.0935516	0.112102404	0.139701471	0.003546586	27.5288887	0.049145319	103.7090302	0.001950888	0.000816591	5.36053E-06	0.009636296	0.00660081	0.1726868	0.033578645	8.42167E-06	39.88319397	4.34318E-05	0.001148708	0.000406331
2111 Jul	238.6726685	0.117092736	0.145941019	0.003710023	28.78296852	0.051475316	108.8339844	0.002043461	0.000858722	5.64086E-06	0.010121392	0.006911835	0.181338534	0.035132643	8.83226E-06	41.81561279	4.56012E-05	0.001201057	0.000426354
2111 Aug	238.2182312	0.114785165	0.143007219	0.003640911	28.23464394	0.051209666	108.9044037	0.002027656	0.000847561	5.59349E-06	0.010035957	0.00688827	0.18165043	0.034671541	8.76453E-06	41.5154686	4.52395E-05	0.001192717	0.000420488
2111 Sep	242.0671692	0.114795528	0.142679989	0.003629435	28.14624977	0.051520333	111.0565872	0.002039333	0.000841778	5.60034E-06	0.010099662	0.006983438	0.185418472	0.034708392	8.80939E-06	41.89458084	4.57111E-05	0.001205718	0.000421455
2111 Oct	238.1578217	0.113343395	0.140638277	0.003573317	27.63934135	0.050712079	109.6193466	0.002004098	0.000820342	5.47508E-06	0.009918424	0.006880418	0.183012977	0.033888362	8.64657E-06	41.06267929	4.49462E-05	0.001186904	0.000409876
2111 Nov	235.6885986	0.112563349	0.139364034	0.003540357	27.35033798	0.050266445	108.6290741	0.001983034	0.000809384	5.4081E-06	0.009816515	0.00681223	0.181362927	0.033407312	8.55193E-06	40.55973434	4.44706E-05	0.001174529	0.000403083
2111 Dec	235.9923553	0.112598881	0.139378458	0.003540838	27.35462761	0.050280329	108.7500763	0.001983424	0.000809566	5.41185E-06	0.009822786	0.006815949	0.181581929	0.033412755	8.55505E-06	40.58872986	4.45067E-05	0.001174803	0.000403431
2112 Jan	236.1055603	0.112604223	0.139379963	0.003540884	27.35558319	0.05028189	108.7935028	0.001983479	0.000809597	5.41308E-06	0.009824624	0.006817148	0.181660861	0.033414815	8.55587E-06	40.59947968	4.45192E-05	0.00117487	0.000403585
2112 Feb	236.2401123	0.112633191	0.139415383	0.003541737	27.36270142	0.050293967	108.8511124	0.001983994	0.00080977	5.415E-06	0.009828028	0.006819747	0.181760848	0.033424664	8.5584E-06	40.61689758	4.45385E-05	0.001175229	0.000403791
2112 Mar	236.7242584	0.112844966	0.139676213	0.003548358	27.41421127	0.050388034	109.0706711	0.001987711	0.000811289	5.42556E-06	0.00984701	0.006832927	0.182129756	0.033488084	8.57466E-06	40.69695663	4.46263E-05	0.001177448	0.000404609
2112 Apr	238.0257416	0.113460422	0.140437111	0.003567688	27.56377029	0.05066257	109.6690826	0.001998543	0.000815714	5.45525E-06	0.009900833	0.006870265	0.183129594	0.033671007	8.62145E-06	40.91996002	4.48706E-05	0.001183868	0.000406835
2112 May	238.7408142	0.113923863	0.14054893	0.003572544	27.80487823	0.05066631	109.5773392	0.002005891	0.000824481	5.49652E-06	0.009946153	0.00688288	0.18288286	0.034191474	8.65888E-06	41.30129242	4.50551E-05	0.001188267	0.000415707
2112 Jun	223.1739807	0.10727153	0.135119125	0.003418875	26.709589	0.047488008	102.9388123	0.001916601	0.000779626	5.15844E-06	0.009361628	0.006554462	0.171284929	0.032917747	8.22759E-06	39.2105751	4.27515E-05	0.001142755	0.0003982
2112 Jul	230.1345215	0.109138481	0.13844347	0.00350429	27.24756432	0.048701044	106.455864	0.001972156	0.000798116	5.29813E-06	0.009636166	0.006758928	0.17727226	0.03365111	8.46404E-06	40.2147789	4.41454E-05	0.001176549	0.000405836
2112 Aug	239.3440094	0.112284563	0.142155737	0.003603537	28.03645134	0.050262332	110.4003983	0.002030744	0.00082552	5.49786E-06	0.009965979	0.006972143	0.184056863	0.034642968	8.73514E-06	41.60723495	4.56474E-05	0.001209748	0.000420643
2112 Sep	242.1871796	0.111814313	0.140763313	0.003576166	27.86193085	0.050168928	111.1921921	0.002019537	0.000826402	5.53607E-06	0.009995208	0.00695806	0.185729057	0.034449577	8.71926E-06	41.73309326	4.5775E-05	0.001200844	0.000423191
2112 Oct	244.583847	0.111615129	0.139891714	0.003551682	27.6789856	0.050070699	112.3960266	0.002015386	0.000818519	5.52345E-06	0.010013226	0.006990128	0.187906399	0.034312796	8.70595E-06	41.86270142	4.60131E-05	0.001202504	0.000423563
2112 Nov	246.0382538	0.111781769	0.139987618	0.00355336	27.69330215	0.050146628	113.0667191	0.002018623	0.000818226	5.53505E-06	0.0100426	0.007016371	0.189087361	0.034354053	8.72281E-06	42.013237	4.6206E-05	0.001205625	0.000425011
2112 Dec	246.2714386	0.111833826	0.140045747	0.00355488	27.70541	0.050169662	113.1634293	0.002019507	0.000818616	5.53887E-06	0.01004899	0.007020554	0.189257056	0.034369402	8.72736E-06	42.04231262	4.62394E-05	0.001206171	0.000425348
2113 Jan	246.4079437	0.111830547	0.140037909	0.003554696	27.70437431	0.050167646	113.2142868	0.002019414	0.000818595	5.54014E-06	0.010050678	0.007021599	0.189351037	0.034368739	8.72778E-06	42.05328369	4.62528E-05	0.001206152	0.000425517
2113 Feb	246.4762421	0.111855514	0.140067384	0.003555444	27.71063423	0.050178293	113.2437439	0.002019845	0.000818779	5.54151E-06	0.010053053	0.007023234	0.189401016	0.034376934	8.72973E-06	42.0641098	4.62643E-05	0.001206416	0.000425642
2113 Mar	247.2146759	0.112176493	0.140468329	0.003565622	27.79018784	0.050321966	113.5802078	0.00202563	0.000821128	5.55772E-06	0.010082304	0.007043651	0.189965576	0.034475915	8.75492E-06	42.18761063	4.64002E-05	0.001209882	0.000426908
2113 Apr	248.549408	0.112779707	0.141223118	0.003584781	27.93964767	0.050592393	114.1927414	0.002036517	0.000825544	5.58766E-06	0.010136577	0.00708156	0.190990359	0.034661468	8.802E-06	42.4150238	4.66502E-05	0.001216386	0.000429214
2113 May	250.0219574	0.113414578	0.14125292	0.003588301	28.15410805	0.050757479	114.5542755	0.002048134	0.000834383	5.63601E-06	0.010211739	0.007116626	0.19154112	0.035188887	8.85723e-06	42.87179947	4.69644E-05	0.001223936	0.000437721
2113 Jun	241.2270813	0.110733926	0.138036475	0.003502556	27.72629547	0.04938709	110.7094498	0.002012611	0.000818616	5.48172E-06	0.009958808	0.006962956	0.184702739	0.035021883	8.67374E-06	42.03076553	4.58225E-05	0.001207069	0.00043305
2113 Jul	249.237915	0.113779381	0.141876876	0.003607694	28.53868294	0.051033016	114.2090378	0.002076623	0.000849768	5.68679E-06	0.010295519	0.007173498	0.190649986	0.036077924	8.96159E-06	43.35424042	4.72849E-05	0.001241505	0.00044679
2113 Aug	256.5852661	0.116035022	0.144497216	0.003681426	29.1301918	0.052296478	117.2791061	0.002122547	0.000873437	5.85607E-06	0.010559831	0.007336531	0.195963278	0.036855519	9.1789E-06	44.45373154	4.84491E-05	0.001265891	0.000458753
2113 Sep	256.147522	0.115013286	0.142102569	0.003625121	28.72416306	0.051949427	117.0453644	0.002102257	0.000864186	5.81697E-06	0.010505855	0.007289337	0.195761904	0.036431927	9.10084E-06	44.17406082	4.81748E-05	0.001254396	0.00045471
2113 Oct	248.9037933	0.112484172	0.13767238	0.003505658	27.73344231	0.050763447	114.7138214	0.002049376	0.000825535	5.58379E-06	0.010219106	0.007146124	0.191804945	0.03517611	8.8398E-06	42.8180809	4.69198E-05	0.00123025	0.00043384
2113 Nov	247.194931	0.112235151	0.136916876	0.003488408	27.58134842	0.050595883	113.9732208	0.002037626	0.00082118	5.55206E-06	0.010168224	0.007099805	0.190580443	0.034890253	8.78908E-06	42.49890518	4.66066E-05	0.001222035	0.000429323
2113 Dec	247.443222	0.112290189	0.136971787	0.003489887	27.59350395	0.050620127	114.0750656	0.002038528	0.000821599	5.55617E-06	0.010175075	0.007104109	0.190759793	0.034905989	8.79381E-06	42.52954483	4.66418E-05	0.00122258	0.000429681
2114 Jan	247.5301666	0.11230164	0.136980727	0.003490136	27.5960331	0.050624561	114.1087112	0.002038689	0.000821687	5.55738E-06	0.010176941	0.007105256	0.190820053	0.03490974	8.79491E-06	42.5391655	4.66525E-05	0.001222689	0.000429811
2114 Feb	247.556366	0.112312533	0.136991605	0.003490413	27.59881592	0.050628692	114.1193008	0.00203886	0.000821769	5.55794E-06	0.010177881	0.007105884	0.190837771	0.034913808	8.79568E-06	42.54390335	4.66569E-05	0.001222794	0.000429873
2114 Mar	247.928833	0.11248222	0.137197241	0.003495653	27.64056969	0.050704759	114.2903976	0.002041925	0.000823011	5.56632E-06	0.010193193	0.00711656	0.191123739	0.034966923	8.80891E-06	42.608284	4.6727E-05	0.001224634	0.00043053
2114 Apr	248.8774567	0.112913005	0.137721911	0.003509021	27.74646187	0.050898705	114.7273407	0.002049737	0.000826163	5.58763E-06	0.010232194	0.007143781	0.191854328	0.035101052	8.84262E-06	42.77152252	4.69057E-05	0.00122932	0.000432184
2114 May	247.344223	0.112435557	0.137034222	0.003490875	27.77836609	0.050473761	113.7085571	0.002040321	0.000826238	5.57166E-06	0.01017761	0.007101147	0.190039039	0.035301343	8.80403e-06	42.75997925	4.66713e-05	0.001224614	0.000436531
2114 Jun	246.312912	0.11250221	0.137192428	0.003497171	28.04337311	0.050295126	112.8158569	0.002045826	0.000836184	5.60146E-06	0.010191283	0.007087899	0.188380763	0.035843965	8.8293E-06	42.99710083	4.66963E-05	0.001227258	0.000444718
2114 Jul	259.3615723	0.117660813	0.143430889	0.003662026	29.35909081	0.05277843	118.5766144	0.002145125	0.000880872	5.90569E-06	0.010716621	0.007430888	0.198131114	0.037557736	9.27159E-06	45.15604019	4.90718E-05	0.001284194	0.000467601
2114 Aug	274.3546143	0.123431735	0.150339514	0.003842086	30.8088131	0.05549008	125.1991959	0.002252362	0.000927441	6.23408E-06	0.011286684	0.007814702	0.209360689	0.039426822	9.75069E-06	47.57847977	5.16986E-05	0.001347151	0.000493338
2114 Sep	270.5655518	0.120867103	0.145494387	0.003733457	30.01263809	0.054453403	122.852211	0.002195966	0.000914624	6.16075E-06	0.011105419	0.007618535	0.205779597	0.038426552	9.54179E-06	46.65320587	5.06481E-05	0.001307622	0.000484463
2114 Oct	266.80896	0.11838454	0.140804067	0.003617011	29.12874031	0.053342074	121.2579117	0.002145231	0.000889274	6.02408E-06	0.010913082	0.007480196	0.203301862	0.037435051	9.32802E-06	45.74588013	4.97833E-05	0.001279949	0.000473086
2114 Nov	264.5599976	0.116842821	0.138075277	0.003540261	28.52650833	0.052754246	121.0483627	0.002124205	0.000864318	5.89122E-06	0.010792665	0.007460352	0.202937916	0.036888245	9.2112E-06	45.24895859	4.94148E-05	0.001276479	0.000463526
2114 Dec	264.7970581	0.116832629	0.138028875	0.003538762	28.5147419	0.052753728	121.1764984	0.002124304	0.000863662	5.89039E-06	0.010795409	0.007464962	0.203164399	0.036882419	9.21166E-06	45.26643753	4.9444E-05	0.001276985	0.000463586
2115 Jan	264.9229431	0.116845936	0.138038665	0.003539039	28.5176487	0.052758835	121.225029	0.002124489	0.000863766	5.89205E-06	0.010797925	0.007466519	0.203251675	0.036886845	9.21305E-06	45.27974319	4.9459E-05	0.001277115	0.000463768
2115 Feb	265.0517883	0.116869152	0.138065428	0.003539692	28.52345657	0.052768521	121.2789307	0.002124907	0.000863913	5.89383E-06	0.010800987	0.007468801	0.20334591	0.036895279	9.21522E-06	45.29581451	4.94768E-05	0.001277412	0.000463967
2115 Mar	265.289093	0.116959006	0.13817066	0.00354238	28.54545975	0.052808613	121.3848114	0.00212653	0.00086457	5.89865E-06	0.010809689	0.007474856	0.203525171	0.036924198	9.22243E-06	45.33378601	4.95182E-05	0.001278405	0.000464374

Appendix D.2-11: A8 West

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Apr	266.6801758	0.11757227	0.138894245	0.003560931	28.69517899	0.053085212	122.0208054	0.00213767	0.000869104	5.92958E-06	0.010866339	0.007514019	0.204591483	0.037118062	9.27075E-06	45.57165527	4.97777E-05	0.001285103	0.000466816
2115 May	262.5120544	0.116842024	0.137759537	0.003533673	28.66876221	0.052552391	119.822319	0.002122962	0.000869499	5.8913E-06	0.010767321	0.00742735	0.200702205	0.037253007	9.20309E-06	45.29807663	4.92124E-05	0.001275407	0.000468351
2115 Jun	265.0369263	0.119044855	0.140391305	0.003602337	29.39455223	0.053359207	120.7242279	0.002164091	0.000892315	6.00409E-06	0.010944381	0.007534541	0.202004656	0.038333528	9.37593E-06	46.17285919	4.9932E-05	0.001299284	0.000481496
2115 Jul	276.2200317	0.123620108	0.145753264	0.003746454	30.56372261	0.05565875	125.6627426	0.00225368	0.000933697	6.2782E-06	0.011410295	0.007836596	0.21034354	0.039890014	9.77382E-06	48.07838058	5.19718E-05	0.001349632	0.000501569
2115 Aug	270.474762	0.119899757	0.140957847	0.003636684	29.68393135	0.054623552	122.8547897	0.002200555	0.00091806	6.17284E-06	0.011162027	0.007643067	0.205863357	0.038838115	9.56058E-06	46.95118332	5.06528E-05	0.001312625	0.000488791
2115 Sep	273.089386	0.119573273	0.140310392	0.003620075	29.55467415	0.054792318	124.2778625	0.002205187	0.000913681	6.17724E-06	0.011196497	0.0076982	0.208431914	0.038782511	9.58173E-06	47.15924454	5.09195E-05	0.001319105	0.000488733
2115 Oct	275.0839539	0.119430825	0.139906824	0.003605803	29.42877197	0.054745156	125.4234314	0.00220492	0.000906148	6.161E-06	0.011212117	0.007738567	0.21045509	0.038686473	9.57892E-06	47.27703857	5.11625E-05	0.001323514	0.000488522
2115 Nov	273.1014709	0.118600316	0.138720587	0.00357152	29.11828423	0.054357708	124.9159241	0.002189361	0.000892418	6.08259E-06	0.011122069	0.00770437	0.209599718	0.038273431	9.4995E-06	46.8613205	5.08249E-05	0.001317703	0.00048162
2115 Dec	273.1114502	0.118602432	0.138704121	0.003571158	29.1127491	0.054353938	124.9210358	0.002188908	0.000892194	6.08189E-06	0.011121239	0.007703373	0.209614649	0.038257718	9.49791E-06	46.85227966	5.08208E-05	0.001317402	0.000481442
2116 Jan	273.2850342	0.118611626	0.138708383	0.003571296	29.11461639	0.054357104	124.9870529	0.002189012	0.000892269	6.08391E-06	0.011124162	0.007705183	0.209734514	0.038260952	9.49926E-06	46.86882782	5.084E-05	0.001317498	0.000481679
2116 Feb	273.420166	0.118661858	0.138763994	0.003572728	29.12709236	0.054379027	125.045639	0.002189901	0.000892648	6.08668E-06	0.011129028	0.007708513	0.209833786	0.038278069	9.50326E-06	46.89086914	5.0863E-05	0.001318042	0.000481931
2116 Mar	273.650116	0.118761845	0.138879195	0.003575694	29.15171623	0.054424252	125.1498489	0.002191725	0.000893401	6.0918E-06	0.011138338	0.007714942	0.210008547	0.038310807	9.5112E-06	46.93064499	5.09055E-05	0.001319142	0.00048235
2116 Apr	274.9856567	0.119342037	0.139556721	0.003593138	29.2941761	0.054689806	125.7602005	0.002202421	0.000897765	6.12155E-06	0.011192699	0.007752585	0.211032614	0.038498238	9.55762E-06	47.15997696	5.11539E-05	0.001325581	0.000484712
2116 May	275.1721191	0.119222544	0.13917625	0.003584455	29.37817764	0.054457456	125.4575119	0.002199078	0.000900995	6.13605E-06	0.011191012	0.007737794	0.21050638	0.038754232	9.55228E-06	47.32807922	5.11682E-05	0.001323946	0.000490655
2116 Jun	249.682312	0.110781848	0.132856697	0.00340419	27.85988426	0.050353106	114.5518188	0.002062952	0.000839206	5.63847E-06	0.010298238	0.00719625	0.19164224	0.036504082	8.9079E-06	43.72151184	4.7253E-05	0.001246619	0.000454156
2116 Jul	261.4985352	0.11563424	0.139146373	0.003568918	29.13508224	0.052732881	119.9913483	0.002162627	0.000881516	5.91978E-06	0.010803936	0.007534587	0.200818062	0.038132146	9.34185E-06	45.72176361	4.95663E-05	0.001304826	0.000474041
2116 Aug	272.8861694	0.119992189	0.144172266	0.003702103	30.2348423	0.054843824	125.0056458	0.002245311	0.000918209	6.17518E-06	0.011244575	0.007827331	0.209344491	0.039579064	9.71188E-06	47.58324432	5.15584E-05	0.001353084	0.000493716
2116 Sep	267.657959	0.117045581	0.138823658	0.003574846	29.26424217	0.053594936	122.420517	0.002182982	0.00089531	6.04155E-06	0.011009562	0.007626138	0.205267459	0.038401499	9.46035E-06	46.43445969	5.035E-05	0.001313974	0.000480642
2116 Oct	263.2819214	0.114888906	0.134281352	0.003458352	28.3572197	0.052666031	121.0662918	0.002139381	0.000865168	5.87361E-06	0.010821739	0.007521654	0.203097656	0.037408821	9.25792E-06	45.48505783	4.95264E-05	0.001294172	0.000465811
2116 Nov	263.6905823	0.114980593	0.134166062	0.003456214	28.33732414	0.052697167	121.2499161	0.002138785	0.000864706	5.87616E-06	0.01083069	0.007524536	0.203448161	0.037365545	9.25801E-06	45.49411011	4.95634E-05	0.001293804	0.000465509
2116 Dec	263.8944702	0.11498455	0.134162784	0.003456183	28.33736038	0.052698534	121.3270645	0.002138788	0.000864745	5.87837E-06	0.010833815	0.007526361	0.203589663	0.037365928	9.25917E-06	45.51142883	4.95848E-05	0.001293837	0.000465756
2117 Jan	263.9721069	0.114984475	0.134158552	0.003456092	28.33708954	0.052697837	121.3554077	0.002138744	0.000864748	5.87917E-06	0.01083485	0.007526942	0.203641891	0.037366025	9.25945E-06	45.51799393	4.95925E-05	0.001293827	0.000465859
2117 Feb	263.9943542	0.114989221	0.134162098	0.003456183	28.3383503	0.052699316	121.3636398	0.002138808	0.000864784	5.87952E-06	0.010835382	0.007527286	0.203656256	0.037368141	9.25981E-06	45.5211792	4.95953E-05	0.001293871	0.000465908
2117 Mar	264.2738037	0.115111239	0.134303376	0.003459823	28.36846924	0.052754857	121.4915161	0.002141064	0.000865702	5.88575E-06	0.010846829	0.007535225	0.203870729	0.037408095	9.26959E-06	45.56961441	4.96477E-05	0.001295237	0.00046641
2117 Apr	265.9497681	0.115841612	0.135154903	0.00348176	28.54849434	0.053089369	122.2616882	0.002154641	0.000871195	5.92309E-06	0.010915618	0.007583005	0.205163062	0.037645623	9.32837E-06	45.85878754	4.99625E-05	0.001303451	0.000469373
2117 May	265.6593323	0.116342604	0.135266498	0.003488435	28.75814056	0.053169362	121.779747	0.00216107	0.000880574	5.95911E-06	0.010951431	0.007580174	0.204260916	0.038061451	9.36044E-06	46.08951569	5.00156E-05	0.001305707	0.000475387
2117 Jun	260.0323486	0.115470126	0.13472192	0.003475483	28.81830406	0.052576259	118.979744	0.002148756	0.000883214	5.91623E-06	0.010835241	0.00748139	0.199287713	0.038240831	9.29766E-06	45.70550156	4.93642E-05	0.001296715	0.000475965
2117 Jul	271.5452881	0.120076746	0.140065178	0.003619411	30.00256348	0.054884873	124.0817795	0.002240451	0.000925093	6.19492E-06	0.011315623	0.007792986	0.209719732	0.039840568	9.70466E-06	47.66684723	5.14871E-05	0.001348952	0.000496663
2117 Aug	278.2415466	0.122387834	0.14253445	0.003689984	30.59738159	0.056164812	126.9061432	0.002287142	0.000949016	6.35836E-06	0.011576662	0.007952296	0.212786615	0.040647391	9.92105E-06	48.73472595	5.25946E-05	0.001373975	0.000508083
2117 Sep	281.2428589	0.123081319	0.142682448	0.003699605	30.70460129	0.05650923	127.9831848	0.002295654	0.000956492	6.4213E-06	0.011670113	0.007988978	0.214761972	0.040793285	9.97537E-06	49.08343124	5.29698E-05	0.001377053	0.000512246
2117 Oct	276.6407776	0.121164173	0.138788357	0.003610388	30.02981377	0.05554378	125.4632339	0.002245459	0.000943554	6.33596E-06	0.011495596	0.007805791	0.210714757	0.039903861	9.77949E-06	48.15235138	5.19672E-05	0.001342228	0.000502962
2117 Nov	275.1161499	0.120591871	0.13758117	0.003583157	29.82988739	0.055259045	124.6279755	0.002230425	0.000940189	6.31144E-06	0.011443436	0.007748259	0.209361076	0.039647028	9.72094E-06	47.86742401	5.16523E-05	0.00133153	0.000500219
2117 Dec	275.3453979	0.120594136	0.13755393	0.003582657	29.82684517	0.055258464	124.7089691	0.002230204	0.000940235	6.31405E-06	0.01144692	0.0077495	0.209513187	0.039643362	9.72157E-06	47.88449097	5.1674E-05	0.001331376	0.000500477
2118 Jan	275.4432373	0.120603189	0.137558296	0.003582797	29.82871056	0.055261638	124.7458496	0.00223031	0.000940309	6.31532E-06	0.011448788	0.007750596	0.209579781	0.039646424	9.72252E-06	47.89461899	5.16852E-05	0.001331453	0.000500622
2118 Feb	275.4861755	0.120623276	0.137578368	0.00358332	29.8338089	0.055269822	124.7638397	0.002230645	0.000940466	6.31633E-06	0.011450543	0.007751754	0.209609687	0.039653834	9.724E-06	47.90285492	5.1693E-05	0.001331656	0.000500724
2118 Mar	275.6363525	0.120689958	0.137652874	0.003585261	29.85037231	0.055299819	124.8310776	0.002231859	0.000940986	6.3198E-06	0.011456783	0.007755961	0.209722459	0.039676193	9.7293E-06	47.92943192	5.17211E-05	0.001332382	0.000501011
2118 Apr	276.6235046	0.121181734	0.138114125	0.003597271	29.97658539	0.05548932	125.2291031	0.002239686	0.000944822	6.34399E-06	0.01149769	0.007782547	0.21037817	0.039866067	9.76402E-06	48.13102722	5.18997E-05	0.00133715	0.000503674
2118 May	268.143219	0.118741021	0.135046199	0.003512766	29.58901405	0.054089323	121.3439789	0.002199108	0.00092803	6.18698E-06	0.011224152	0.007619236	0.203491196	0.039736632	9.56575E-06	47.33387756	5.06659E-05	0.001317855	0.000500787
2118 Jun	250.0314636	0.112330332	0.13132301	0.003387587	28.45133972	0.051119585	114.5000381	0.002109268	0.000868842	5.75623E-06	0.010535408	0.00730379	0.191438109	0.038109671	9.10261E-06	44.75974274	4.79621E-05	0.001276975	0.000471205
2118 Jul	264.3882446	0.118323609	0.138347179	0.0035731	29.99424744	0.053979814	120.9499588	0.002226579	0.000920104	6.09653E-06	0.011140008	0.007705557	0.202302262	0.040191095	9.61697E-06	47.26052094	5.06841E-05	0.001345905	0.00049769
2118 Aug	265.2270813	0.117345557	0.136618167	0.003541728	29.76024246	0.053936239	120.828331	0.002212901	0.000923621	6.1307E-06	0.011129512	0.007655406	0.202398881	0.039897613	9.58772E-06	47.15753555	5.04797E-05	0.001331877	0.000497129
2118 Sep	260.1434326	0.113610961	0.13149561	0.003401137	28.52946472	0.052599981	119.6953354	0.002156012	0.000876436	5.88138E-06	0.010827311	0.007544278	0.20065403	0.038418278	9.31369E-06	45.85271072	4.93865E-05	0.001309503	0.000475185
2118 Oct	255.178833	0.111566246	0.129408985	0.003338149	27.82802963	0.051653478	118.2572327	0.002113044	0.000844055	5.6986E-06	0.010581304	0.007434526	0.198284909	0.037208948	9.10817E-06	44.68373489	4.84337E-05	0.001289089	0.000456441
2118 Nov	254.5916748	0.111228168	0.129072189	0.003328015	27.70375824	0.051491018	118.1128845	0.002104877	0.000838226	5.6692E-06	0.010540699	0.00741578	0.198077157	0.036968008	9.07181E-06	44.48342514	4.82866E-05	0.001284996	0.000453127
2118 Dec	254.7052765	0.111274995	0.129114479	0.003329189	27.71397781	0.05151201	118.1617432	0.002105655	0.000838594	5.67178E-06	0.010545292	0.007418535	0.198160872	0.036981665	9.07537E-06	44.50157547	4.83065E-05	0.001285438	0.000453318
2119 Jan	254.8182068	0.111287847	0.129124582	0.003329471	27.71687508	0.051517166	118.2056808	0.002105848	0.000838695	5.67329E-06	0.010547617	0.007419995	0.198239535	0.036986001	9.0767E-06	44.51376724	4.83202E-05	0.001285571	0.000453483
2119 Feb	254.9368134	0.111312889	0.129151359	0.003330162	27.72320938	0.05152794	118.254509	0.002106292	0.000838884	5.67517E-06	0.010550751	0.007422149	0.198324755	0.03699502	9.07896E-06	44.52935028	4.83371E-05	0.001285861	0.000453677
2119 Mar	255.4152679	0.11152152	0.129392162	0.003336371	27.77522469	0.051624067	118.4756393	0.002110224	0.000840457	5.68581E-06	0.010570489	0.007436017	0.198695585	0.037064705	9.09593E-06	44.61307907	4.84275E-05	0.001288263	0.000454538
2119 Apr	256.8900452	0.112436488	0.130051747	0.003353519	28.02281952	0.051905889	118.9614639	0.002122305	0.000847596	5.72676E-06	0.010633533	0.00747496	0.19945468	0.037480041	9.15046E-06	44.99665833	4.86865E-05	0.001295894	0.000460709
2119 May	244.9281311	0.109714136	0.126383707	0.003252454	27.74502945	0.049819227	112.6296997	0.00205356	0.000831243	5.54068E-06	0.010214317	0.007184017	0.188274398	0.037487503	8.84668E-06	43.96907425	4.66844E-05	0.001257172	0.000463568
2119 Jun	242.019516	0.108273998	0.126143932	0.003243275	27.57720375	0.049308792	111.5725403	0.002042925	0.000824572	5.48624E-06	0.010120869	0.007136975	0.186453924	0.037186489	8.79095E-06	43.51857758	4.63717E-05	0.001251631	0.000458023
2119 Jul	254.8762817	0.113217339	0.131916776	0.003397522	28.8654995	0.05170393	117.2888489	0.002142626	0.000868879	5.786E-06	0.010651574	0.007482578	0.196148261	0.038945202	9.23331E-06	45.69235611	4.87875E-05	0.001310123	0.000481283
2119 Aug	261.0373535	0.115131028	0.133653447	0.0034523	29.35630417	0.052868318	119.7525635	0.002181538	0.000891704	5.94242E-06	0.010885501	0.007612615	0.200479746	0.039616328	9.42186E-06	46.63776016	4.9718E-05	0.001329475	0.000491487
2119 Sep	259.1061401	0.11282555	0.130051821	0.003363528	28.61915588	0.052117515	119.0225601	0.002143887	0.000871691	5.84588E-06	0.010739369	0.007519953	0.199513152	0.038742539	9.26655E-06	45.95843124	4.909E-05	0.001308788	0.000481522
2119 Oct	258.9733276	0.111708626	0.128399894	0.003311547	28.128088	0.051793393	119.9664764	0.002134047	0.000847604	5.7353E-06	0.010672474	0.00755535	0.201149747	0.038239852	9.19818E-06	45.65985107	4.90746E-05	0.001313431	0.000472429
2119 Nov	257.7132874	0.111134253	0.127837822	0.003294831	27.93154526	0.051548712	119.6265182	0.002122831	0.000838981	5.68751E-06	0.010609562	0.007527428	0.200601324	0.037902806	9.14482E-06	45.34417343	4.88352E-05	0.001308072	0.000467202
2119 Dec	257.9308167	0.111174196	0.127874643	0.003295844	27.9404583	0.051566701	119.7150574	0.002123509	0.000839293	5.69089E-06	0.010615151	0.00753097	0.200757936	0.037915029	9.14853E-06	45.37011337	4.88649E-05	0.001308496	0.000467514

Appendix D.2-11: A8 West

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	3.5E-07	6.9E-05	1.8E-09	6.1E-04	1.5E-03	3.7E-05	5.4E-08	2.3E-03	4.8E-07	2.6E-06	1.7E-07	4.2E-08	2.4E-08	5.7E-05	3.7E-10	1.8E-08	3.8E-07	2.8E-07	2.6E-11
Operations (2020-2043): Mean	1.6E-03	1.2E-01	1.1E-05	2.4E+00	4.8E+00	5.1E-02	7.3E-04	3.6E+01	4.0E-03	1.1E-02	5.9E-04	4.8E-04	2.0E-04	1.6E-01	2.3E-06	3.5E-04	6.5E-04	1.8E-03	4.6E-04
Operations (2020-2043): Max	2.7E-03	2.3E-01	1.5E-05	1.5E+01	1.3E+01	1.1E-01	4.0E-03	1.8E+02	8.5E-03	1.7E-02	5.7E-03	1.1E-03	4.1E-04	2.8E-01	3.0E-06	5.1E-03	1.3E-03	2.7E-03	1.0E-03
Active Closure (2044-2050): Min	9.6E-04	1.0E-01	1.1E-05	1.3E+00	2.7E+00	2.5E-02	2.8E-04	1.5E+01	2.3E-03	1.0E-02	2.0E-04	3.5E-04	1.1E-04	9.2E-02	2.2E-06	1.1E-04	4.8E-04	1.9E-03	1.4E-04
Active Closure (2044-2050): Mean	1.8E-03	1.2E-01	1.3E-05	2.1E+00	6.7E+00	4.8E-02	8.9E-04	5.2E+01	5.5E-03	1.3E-02	4.0E-04	6.5E-04	2.7E-04	2.0E-01	2.7E-06	2.8E-04	6.4E-04	2.2E-03	5.6E-04
Active Closure (2044-2050): Max	2.4E-03	2.0E-01	1.5E-05	2.8E+00	9.6E+00	9.2E-02	1.3E-03	7.7E+01	7.9E-03	1.5E-02	7.9E-04	8.9E-04	3.9E-04	2.8E-01	3.2E-06	3.9E-04	1.2E-03	2.9E-03	8.5E-04
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	1.3E-03	5.9E-02	7.9E-06	2.2E+00	5.3E+00	4.3E-02	7.8E-04	2.5E+01	3.7E-03	8.0E-03	2.4E-04	5.6E-04	2.2E-04	2.0E-01	2.7E-06	3.1E-04	4.8E-04	1.5E-03	6.7E-04
Post Closure (2051-2119): Mean	1.8E-03	9.8E-02	1.0E-05	8.2E+00	9.8E+00	9.0E-02	3.0E-03	3.4E+01	6.0E-03	1.2E-02	6.4E-04	1.1E-03	4.8E-04	4.4E-01	8.0E-06	1.6E-03	7.9E-04	2.0E-03	1.3E-03
Post Closure (2051-2119): Max	2.3E-03	1.3E-01	1.4E-05	1.3E+01	1.4E+01	1.3E-01	5.1E-03	7.1E+01	8.3E-03	1.4E-02	9.8E-04	1.6E-03	7.3E-04	6.7E-01	1.2E-05	2.7E-03	1.0E-03	2.4E-03	1.8E-03
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	3.47313E-07	6.94626E-05	1.82796E-09	0.00061054	0.001476995	3.74733E-05	5.39249E-08	0.002294095	4.75271E-07	2.55915E-06	1.74753E-07	4.20432E-08	2.37635E-08	5.68497E-05	3.65593E-10	1.82796E-08	3.83872E-07	2.83334E-07	0
2020 Feb	6.8761E-07	0.000137522	3.619E-09	0.001208745	0.00292415	7.41895E-05	1.0676E-07	0.004541842	9.40939E-07	5.0666E-06	3.45976E-07	8.32369E-08	4.7047E-08	0.000112551	7.238E-10	3.619E-08	7.5999E-07	5.60945E-07	0
2020 Mar	8.69482E-07	0.000173896	4.57622E-09	0.001528457	0.003697585	9.38125E-05	1.34998E-07	0.005743155	1.18982E-06	6.40671E-06	4.37487E-07	1.05253E-07	5.94909E-08	0.00014232	9.15244E-10	4.57622E-08	9.61006E-07	7.09314E-07	0
2020 Apr	9.71723E-07	0.000194345	5.11433E-09	0.001708187	0.00413238	0.000104844	1.50873E-07	0.006418487	1.32973E-06	7.16006E-06	4.8893E-07	1.1763E-07	6.64863E-08	0.000159056	1.02287E-09	5.11433E-08	1.07401E-06	7.92721E-07	0
2020 May	7.85176E-06	0.001469161	6.00374E-08	0.013305536	0.029612182	0.000711549	1.2378E-06	0.047888715	1.12339E-05	7.03779E-05	5.73957E-06	1.38086E-06	7.80486E-07	0.001149256	1.20075E-08	4.6363E-07	8.23204E-06	1.081E-05	0
2020 Jun	0.000130768	0.020983005	1.64442E-06	0.20447962	0.363037378	0.007179582	2.12597E-05	0.66068399	0.000203953	0.001603451	5.87401E-05	3.78217E-05	1.13287E-05	0.01445779	3.28884E-07	9.45683E-06	0.000121732	0.000331746	0
2020 Jul	0.000163538	0.025190592	2.16675E-06	0.248573139	0.420323938	0.007775815	2.72702E-05	0.791583896	0.000254285	0.002069659	6.2832E-05	4.82391E-05	1.34406E-05	0.016846046	4.3335E-07	1.20296E-05	0.000142755	0.000433132	0
2020 Aug	0.000177852	0.026869874	2.34489E-06	0.26704219	0.448221415	0.008091195	3.1733E-05	0.855475724	0.000272497	0.002230454	6.52314E-05	4.99767E-05	1.43625E-05	0.018008467	4.68979E-07	1.30077E-05	0.000147286	0.000458071	0
2020 Sep	0.000207345	0.029135905	2.6381E-06	0.299752027	0.497269273	0.008071084	5.29152E-05	0.985695422	0.000299868	0.002559927	6.26289E-05	4.82401E-05	1.54273E-05	0.020090435	5.2762E-07	1.56711E-05	0.000146527	0.000480265	0
2020 Oct	0.000245288	0.032140031	2.98692E-06	0.339064717	0.559669495	0.008049915	7.96172E-05	1.145624995	0.000332466	0.002991096	5.96415E-05	4.62159E-05	1.65138E-05	0.022656348	5.97385E-07	1.91671E-05	0.000147409	0.000506851	0
2020 Nov	0.000256819	0.033056825	3.09315E-06	0.351037294	0.578679919	0.008045967	8.77034E-05	1.194260359	0.000342409	0.003122186	5.87576E-05	4.56188E-05	1.68468E-05	0.023437951	6.1863E-07	2.02284E-05	0.00014772	0.000515033	0
2020 Dec	0.00025716	0.033084497	3.09632E-06	0.351394922	0.579248786	0.008046225	8.79381E-05	1.195702434	0.000342708	0.003126069	5.87351E-05	4.56038E-05	1.68571E-05	0.023461321	6.19264E-07	2.02596E-05	0.000147735	0.00051529	0
2021 Jan	0.001250041	0.231508553	1.00001E-05	2.106573105	4.625195503	0.11008016	0.000197508	7.530293465	0.00180005	0.011500206	0.000956003	0.000230001	0.000130001	0.179757461	2.00001E-06	7.50018E-05	0.001300045	0.001824996	0
2021 Feb	0.001250235	0.231546581	1.00013E-05	2.106910706	4.625988483	0.110099904	0.000197538	7.531542778	0.001800321	0.011501759	0.000956117	0.000230028	0.000130016	0.179788083	2.00025E-06	7.50126E-05	0.001300256	0.001825196	0
2021 Mar	0.001250687	0.231631324	1.00047E-05	2.10767746	4.627699852	0.110141121	0.00019761	7.534306526	0.001800966	0.011505785	0.000956444	0.000230107	0.000130061	0.179854482	2.00094E-06	7.50391E-05	0.001300731	0.00182581	0
2021 Apr	0.001251519	0.231785998	1.00112E-05	2.10908246	4.630800724	0.110215187	0.000197741	7.539341927	0.001802161	0.011513365	0.00095707	0.000230257	0.000130146	0.179974914	2.00225E-06	7.50888E-05	0.001301599	0.001826998	0
2021 May	0.001264496	0.2341896	1.0115E-05	2.130952597	4.678824902	0.11135827	0.000199791	7.617525101	0.001820847	0.011632724	0.000966991	0.000232644	0.000131495	0.181841344	2.023E-06	7.58673E-05	0.001315096	0.001845934	0
2021 Jun	0.001209322	0.221464634	1.01371E-05	2.025660515	4.381080627	0.103140213	0.000191537	7.186705589	0.00175352	0.011435334	0.000893131	0.000233154	0.000124029	0.170539483	2.02743E-06	7.38048E-05	0.001246661	0.00187449	0
2021 Jul	0.001219069	0.221432075	1.04329E-05	2.030173302	4.356572628	0.101833485	0.000194127	7.182831764	0.001767933	0.011657123	0.000881054	0.000237638	0.000123756	0.169728786	2.08658E-06	7.48396E-05	0.001241649	0.001928802	0
2021 Aug	0.001239889	0.223848432	1.0673E-05	2.056661129	4.398357391	0.102328107	0.000200992	7.277758598	0.001793052	0.011875479	0.000884988	0.000239246	0.000125097	0.171462908	2.13459E-06	7.61974E-05	0.001246851	0.001958344	0
2021 Sep	0.001209147	0.214667886	1.04988E-05	1.986633539	4.218575478	0.096748456	0.000214064	7.040531158	0.001732997	0.011661344	0.0008338	0.000226094	0.000119733	0.164675251	2.09977E-06	7.53467E-05	0.001180922	0.001893334	0
2021 Oct	0.001195384	0.209340572	1.04289E-05	1.946505547	4.112924099	0.093188316	0.000225991	6.909089088	0.001698496	0.011597464	0.0008009	0.000217697	0.000116323	0.160669386	2.08577E-06	7.53817E-05	0.001140325	0.001856081	0
2021 Nov	0.001197504	0.20958066	1.04496E-05	1.949160695	4.117596626	0.093241744	0.000227045	6.919008255	0.001700836	0.01162116	0.000801256	0.000217818	0.000116436	0.160857365	2.08992E-06	7.5556E-05	0.001141112	0.001858658	0
2021 Dec	0.001198023	0.209659562	1.04543E-05	1.94993329	4.119142532	0.093271971	0.000227203	6.921795368	0.001701512	0.011626485	0.000801506	0.000217888	0.000116478	0.160918266	2.09087E-06	7.55925E-05	0.001141494	0.001859399	0
2022 Jan	0.00119809	0.209668711	1.04548E-05	1.95002532	4.11934042	0.093275525	0.000227234	6.922159195	0.001701583	0.011627091	0.000801508	0.000217889	0.00011648	0.160926014	2.09096E-06	7.55973E-05	0.001141529	0.001859436	0
2022 Feb	0.001198148	0.209680945	1.0455E-05	1.950130701	4.119606972	0.093282506	0.000227242	6.922563553	0.001701662	0.011627465	0.000801534	0.000217894	0.000116484	0.160936236	2.091E-06	7.56001E-05	0.001141597	0.001859467	0
2022 Mar	0.001198468	0.209737957	1.04576E-05	1.950656533	4.120741367	0.093308717	0.000227301	6.924445629	0.001702113	0.011630462	0.00080174	0.00021795	0.000116513	0.160980463	2.09153E-06	7.56198E-05	0.001141908	0.00185993	0
2022 Apr	0.001204971	0.210876688	1.05143E-05	1.961244702	4.14312315	0.093815796	0.000228534	6.962041378	0.001711348	0.011693513	0.000806086	0.000219131	0.000117145	0.161854729	2.10286E-06	7.60299E-05	0.001148108	0.001870004	0
2022 May	0.001219846	0.213480204	1.06441E-05	1.98545754	4.194277287	0.094974242	0.000231355	7.04799509	0.001732474	0.011837848	0.000816036	0.000221836	0.000118591	0.163853094	2.12881E-06	7.69684E-05	0.001162283	0.001893082	0
2022 Jun	0.001162944	0.201433048	1.05999E-05	1.883008838	3.913844585	0.087547265	0.000219253	6.828403664	0.001665698	0.011587314	0.00074969	0.000222965	0.000111604	0.153162912	2.11998E-06	7.45308E-05	0.001101261	0.001915749	0
2022 Jul	0.00104038	0.175646484	1.01338E-05	1.655629992	3.339543581	0.07261733	0.000195782	5.75953722	0.001497634	0.010765447	0.00061909	0.000210478	9.66235E-05	0.131121844	2.02676E-06	6.79688E-05	0.000951549	0.001846775	0
2022 Aug	0.001069894	0.179338336	1.04682E-05	1.694974661	3.404871225	0.073546901	0.000204896	5.899147987	0.001534702	0.011077361	0.000626617	0.000213532	9.86728E-05	0.133799076	2.09364E-06	6.99175E-05	0.000962573	0.001891594	0
2022 Sep	0.001058779	0.174987331	1.04003E-05	1.665374756	3.325362206	0.070812643	0.000216311	5.806288242	0.001507409	0.010998972	0.000600941	0.000205304	9.62041E-05	0.13085337	2.08006E-06	6.98726E-05	0.000927721	0.00185321	0
2022 Oct	0.001049591	0.171418145	1.03181E-05	1.638339877	3.258527279	0.068527684	0.000225634	5.722938061	0.001482266	0.010939325	0.000579735	0.000198457	9.38978E-05	0.128305376	2.06363E-06	6.99044E-05	0.000899922	0.001818635	0
2022 Nov	0.001052331	0.171807945	1.03453E-05	1.642263055	3.265965462	0.068659544	0.000226539	5.736952305	0.001485796	0.010968897	0.000580798	0.000198833	9.41016E-05	0.128600582	2.06906E-06	7.01049E-05	0.000901715	0.001822863	0
2022 Dec	0.001052747	0.171865299	1.03494E-05	1.642847419	3.267060757	0.068678066	0.000226686	5.739050388	0.001486321	0.010973417	0.000580945	0.000198885	9.41312E-05	0.128644139	2.06989E-06	7.01359E-05	0.00090197	0.001823488	0
2023 Jan	0.001052805	0.17187351	1.03497E-05	1.642928839	3.267246723	0.068681605	0.000226714	5.739382267	0.00148638	0.010973899	0.000580946	0.000198883	9.41325E-05	0.128651381	2.06995E-06	7.01401E-05	0.000902001	0.0018235	0
2023 Feb	0.001052867	0.171886578	1.035E-05	1.643040657	3.267533302	0.06868919	0.000226722	5.739812851	0.001486463	0.010974278	0.000580976	0.000198889	9.41362E-05	0.128662348	2.06999E-06	7.0143E-05	0.000902074	0.001823528	0
2023 Mar	0.001052964	0.171904117	1.03507E-05	1.643201232	3.267887354	0.068697482	0.000226741	5.740394592	0.001486598	0.010975149	0.000581027	0.000198904	9.41439E-05	0.128676116	2.07014E-06	7.01488E-05	0.000902169	0.001823654	0
2023 Apr	0.001056167	0.172427997	1.03821E-05	1.648204803	3.277858019	0.068907574	0.000227429	5.757886887	0.001491119	0.011008453	0.000582793	0.000199507	9.44297E-05	0.129068613	2.07641E-06	7.03618E-05	0.00090492	0.001829177	0
2023 May	0.001071224	0.17514132	1.05088E-05	1.673151612	3.331524372	0.070155248	0.000230005	5.84662962	0.001512704	0.011151171	0.000593575	0.000202294	9.59452E-05	0.131159782	2.10176E-06	7.12879E-05	0.00091995	0.00185209	0
2023 Jun	0.001043643	0.17148982	1.03643E-05	1.636443615	3.249294281	0.068656377	0.000217114	5.692790985	0.001486775	0.010948668	0.000580915	0.00020474	9.39971E-05	0.127927572	2.07287E-06	6.95756E-05	0.000911097	0.001854393	0
2023 Jul	0.001024576	0.16684413	1.0411E-05	1.596708536	3.133410454	0.06543716	0.000212131	5.52840519	0.001463076	0.010892245	0.000552623	0.000205404	9.11949E-05	0.123527057	2.08221E-06	6.87306E-05	0.000883646	0.001870346	0
2023 Aug	0.001052693	0.170459554	1.07266E-05	1.6337111	3.195822239	0.066363797	0.00021982	5.659250736	0.001498279	0.011190638	0.000560379	0.000208681	9.31237E-05	0.126060486	2.14533E-06	7.05534E-05	0.000895152	0.001914183	0
2023 Sep	0.001056937	0.169830352	1.08025E-05	1.635841608	3.187288284	0.065642565	0.000228112	5.671231747	0.001499829	0.011247789	0.000552806	0.000206178	9.29312E-05	0.125865608	2.1605E-06	7.11455E-05	0.000884975	0.00191223	0
2023 Oct	0.001055631	0.168530449	1.07872E-05	1.627082109	3.163827896	0.064690687	0.000234008	5.647437572	0.001491194	0.011250042	0.000543768	0.000203024	9.20283E-05	0.124981523	2.15743E-06	7.13986E-05	0.000873297	0.001898374	0
2023 Nov	0.001058881	0.168893188	1.08201E-05	1.631126761	3.170772552	0.064765111	0.000235613	5.662421703	0.001494814	0.011286996	0.000544245	0.000203234	9.21988E-05	0.125261962	2.16402E-06	7.16673E-05	0.000874469	0.001902573	0
2023 Dec	0.001059249	0.16893959	1.08238E-05	1.631617546	3.171654224	0.064777784	0.000235765	5.664199829	0.001495257	0.011291103	0.00054434	0.000203271	9.22219E-05	0.125297278	2.16476E-06	7.16961E-05	0.000874653	0.001903104	0
2024 Jan	0.001059291	0.168945178	1.08239E-05	1.631672859	3.17180109	0.064780585	0.000235793	5.664457798	0.001495287	0.011291357	0.000544328	0.000203263	9.22211E-05	0.125302926	2.16477E-06	7.1699E-05	0.000874669	0.001903059	2.60971E-11
2024 Feb	0.001059348	0.168958366	1.08239E-05	1.631782413	3.172102928	0.064788952	0.000235799	5.664913177	0.001495364	0.011291605	0.000544356	0.000203266	9.22241E-05	0.125314385	2.16478E-06	7.17013E-05	0.000874745	0.001903056	3.43252E-10
2024 Mar	0.001060305	0.169113457	1.08334E-05	1.633270264	3.175043344	0.064850211	0.000236008	5.670107365	0.001496713	0.011301626	0.000544848	0.000203446	9.23064E-05	0.125430286	2.16668E-06	7.17653E-05	0.000875551	0.001904721	3.43544E-10
2024 Apr	0.001062178	0.169413388	1.08524E-05	1.636161447	3.18069005	0.064966217	0.000236423	5.680160046	0.001499355	0.011321479	0.000545809	0.000203803	9.24688E-05	0.125653237	2.17048E-06	7.18916E-05	0.000877107	0.001908053	3.4414E-10
2024 May	0.001080492	0.173096538	1.09474E-05	1.669249773	3.261430502	0.067036584	0.000238356	5.85001421	0.001529446	0.011451523	0.000564169	0.000207572	9.48353E-05	0.128773481	2.18963E-06	7.29813E-05	0.000899502	0.001927107	7.11865E-07
2024 Jun	0.001068326	0.173818812	1.06307E-05	1.667345524	3.299059391	0.069117494	0.000226369	5.947506428	0.001527483	0.011187909	0.000584331	0.000209013	9.60471E-05	0.130052328	2.12656E-06	7.17006E-05	0.000917091	0.00189045	2.1433E-06
2024 Jul	0.00110859	0.179660052	1.10759E-05	1.726480246	3.407533407	0.071116515	0.000234989	6.225401878	0.0015903	0.011627751	0.000601082	0.00021866	9.9576E-05	0.134398222	2.21581E-06	7.46957E-05	0.000947203	0.001971349	3.29187E-06
2024 Aug	0.00114112	0.183554098	1.1406E-05	1.772558928	3.490608692	0.072394356	0.000246172	6.525522232	0.001642963	0.011941748	0.000611331	0.000224431	0.000102555	0.13782905	2.28223E-06	7.73288E-05	0.000962998	0.002019998	5.3132E-06
2024 Sep	0.001137328	0.17949219	1.13231E-05	1.753612399	3.442157745	0.070220664	0.000258885	6.820169926	0.001650982	0.011845071	0.000591174	0.000222247	0.00010211	0.136210978	2.26663E-06	7.86038E-05	0.000933933	0.001984961	1.04538E-05
2024 Oct	0.001142576	0.178471997	1.1333E-05	1.752889752	3.437379837	0.069483146	0.000267314	7.018751144	0.001664167	0.011872285	0.000584121	0.000222475	0.000102345	0.13613598	2.26918E-06	7.98432E-05	0.000924957	0.001976853	1.32997E-05
2024 Nov	0.00114427	0.177938551	1.13381E-05	1.75127089	3.431568623	0.069062181	0.000271303	7.071314335	0.001666455	0.011886776	0.000580077	0.000221854	0.000102226	0.135949403	2.27034E-06	8.02948E-05	0.000919895	0.001972158	1.41001E-05
2024 Dec	0.001144845	0.17799899	1.1343E-05	1.752021194	3.433009386	0.069081567	0.000271544	7.078097343	0.001667432	0.011892145	0.000580229	0.000221965	0.000102277	0.136008397	2.27133E-06	8.03498E-05	0.000920163	0.001972882	1.41597E-05
2025 Jan	0.001144895	0.178006217	1.13431E-05	1.752089024	3.433185577	0.069085039	0.000271575	7.078306198	0.001667463	0.011892486	0.000580216	0.000221955	0.000102276	0.136015117	2.27135E-06	8.03531E-05	0.000920184	0.001972839	1.41583E-05
2025 Feb	0.001145049	0.178035647	1.1344E-05	1.752352476	3.433801889	0.069100201	0.000271601	7.079309464	0.001667676	0.01189371	0.000580294	0.000221976	0.000102287	0.136038944	2.27154E-06	8.03617E-05	0.000920345	0.001972992	1.41586E-05
2025 Mar	0.001145271	0.178073108	1.13459E-05	1.752707124	3.434551239	0.069116771	0.000271649	7.080708504	0.001667993	0.01189581	0.000580406	0.000222014	0.000102306	0.136068314	2.27191E-06	8.03761E-05	0.000920544	0.001973313	1.41606E-05
2025 Apr	0.00114625	0.178227082	1.13554E-05	1.754214644	3.437536001	0.069177695	0.000271878	7.086780071	0.001669417	0.011905869	0.000580902	0.000222201	0.000102392	0.136186376	2.27382E-06	8.04442E-05	0.000921343	0.001974966	1.41722E-05

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.001162351	0.180729419	1.15148E-05	1.778854132	3.485840797	0.070149787	0.000275697	7.186808109	0.001692897	0.012072938	0.000589061	0.000225327	0.000103832	0.138100192	2.30573E-06	8.15752E-05	0.000934283	0.002002679	1.43783E-05
2025 Jun	0.001100846	0.169874132	1.12322E-05	1.679865241	3.247089386	0.064538471	0.000257915	6.809343815	0.001621507	0.01164724	0.00054002	0.000224494	9.77665E-05	0.1288663	2.24925E-06	7.82383E-05	0.000885133	0.001985655	1.45849E-05
2025 Jul	0.001032034	0.156969696	1.08693E-05	1.562773347	2.968782187	0.057828296	0.000238832	6.442671776	0.001539717	0.011117577	0.000482223	0.000221199	9.0818E-05	0.118119717	2.1769E-06	7.44345E-05	0.000819567	0.001945279	1.58221E-05
2025 Aug	0.001070397	0.161154836	1.12367E-05	1.613278985	3.061168671	0.059133261	0.000250418	6.894319057	0.001607878	0.011465394	0.000493306	0.000229695	9.44834E-05	0.121945746	2.25117E-06	7.77443E-05	0.000836278	0.002000978	1.98451E-05
2025 Sep	0.001339671	0.185983092	1.33802E-05	1.96118772	3.741384745	0.067729019	0.000362149	11.14442921	0.002147982	0.01373571	0.00056206	0.000298274	0.000122553	0.150258675	2.68837E-06	0.000106258	0.000955398	0.0023338	6.38885E-05
2025 Oct	0.001389663	0.114117742	1.13174E-05	1.656254172	3.087637186	0.02737481	0.000707324	18.89304352	0.002432588	0.01266236	0.000187146	0.000251794	0.000117407	0.12895377	2.2996E-06	0.000147572	0.000412174	0.001481471	0.000187149
2025 Nov	0.001390912	0.099940069	1.05507E-05	1.611958504	3.050717831	0.023097144	0.00074098	21.87256241	0.002615366	0.011930386	0.000152103	0.000276166	0.000125022	0.128664181	2.15502E-06	0.000156957	0.000346596	0.001333451	0.000232565
2025 Dec	0.001393075	0.100095302	1.0568E-05	1.614397645	3.055152893	0.023122672	0.000742214	21.90177345	0.00261901	0.011950291	0.00015223	0.000276493	0.000125189	0.128851011	2.15855E-06	0.000157193	0.000347018	0.001335461	0.000232858
2026 Jan	0.001394673	0.100507066	1.05736E-05	1.617674947	3.063684225	0.023368876	0.000742159	21.90886688	0.00262106	0.011960031	0.000153357	0.000276674	0.000125295	0.129174158	2.15964E-06	0.000157239	0.000349459	0.001336535	0.000232781
2026 Feb	0.001395995	0.101043008	1.05756E-05	1.621268511	3.073670149	0.023704942	0.000741564	21.898283	0.002621785	0.011967213	0.000154857	0.00027667	0.00012534	0.129541397	2.15998E-06	0.000157181	0.000352734	0.001337312	0.000232427
2026 Mar	0.001400829	0.101566225	1.06012E-05	1.628014326	3.089084864	0.023971677	0.000743241	21.98805428	0.002632456	0.011998417	0.000156322	0.000277889	0.000125856	0.130142495	2.16524E-06	0.000157674	0.000355623	0.001341179	0.00023335
2026 Apr	0.001417989	0.102801777	1.07139E-05	1.648615837	3.131101847	0.024392124	0.000751543	22.31511497	0.002669702	0.012126785	0.00015907	0.000282093	0.000127641	0.131854117	2.18844E-06	0.000159676	0.000361028	0.001356378	0.000236966
2026 May	0.001529105	0.114902638	1.11868E-05	1.815484285	3.536517382	0.032142036	0.000773098	25.21356964	0.002998727	0.01265056	0.000229191	0.000327217	0.000145894	0.146930158	2.28762E-06	0.000172136	0.000448841	0.001469018	0.000269213
2026 Jun	0.000960245	0.128144816	1.00912E-05	1.412608504	2.652472734	0.046389829	0.000225576	10.27457428	0.001804726	0.010043099	0.000384128	0.000289799	9.6201E-05	0.105096258	2.031E-06	8.41957E-05	0.000744533	0.001975204	7.91968E-05
2026 Jul	0.001024424	0.118697144	1.10658E-05	1.393151283	2.484685898	0.036174417	0.000238942	12.47820854	0.002020894	0.010466455	0.000302824	0.000314748	0.000100332	0.098233089	2.2301E-06	9.31098E-05	0.000626028	0.002070318	0.000111108
2026 Aug	0.001343688	0.103833839	1.11509E-05	1.638016105	3.100944042	0.031960595	0.000415855	25.96841049	0.003184536	0.01001015	0.000282883	0.000391616	0.000154309	0.120530643	2.27217E-06	0.000141037	0.000403974	0.001711467	0.000284236
2026 Sep	0.001596732	0.098500557	1.10302E-05	1.92688489	3.868380785	0.035769738	0.000615932	37.1998024	0.004199747	0.01043236	0.000303322	0.000499818	0.000200888	0.148552999	2.26874E-06	0.000190574	0.000435003	0.001659564	0.000425699
2026 Oct	0.001770003	0.095073462	1.05198E-05	2.075809956	4.352958202	0.036842179	0.000777137	44.11277771	0.004782543	0.011009727	0.000302384	0.00055646	0.00022428	0.165155396	2.17941E-06	0.000225755	0.000462983	0.001545228	0.000513027
2026 Nov	0.00178741	0.096237592	1.06449E-05	2.095690966	4.391568184	0.037108447	0.000786347	44.41119385	0.004817883	0.01115454	0.00030408	0.000559799	0.000225864	0.166649655	2.2049E-06	0.00022776	0.000466983	0.001560705	0.000516167
2026 Dec	0.001787142	0.096394211	1.06606E-05	2.095247269	4.388336182	0.037056427	0.000786847	44.31925964	0.004810147	0.011175235	0.000303407	0.000558496	0.000225473	0.166549414	2.20784E-06	0.000227561	0.000466654	0.001561482	0.000514888
2027 Jan	0.001786759	0.096674874	1.06629E-05	2.095731258	4.389522552	0.03717811	0.000786412	44.25062561	0.004804542	0.011182257	0.000303685	0.000557646	0.000225207	0.166605845	2.20817E-06	0.000227332	0.000467874	0.001561393	0.000513892
2027 Feb	0.001787211	0.097028911	1.0664E-05	2.097581863	4.394689083	0.037384253	0.000785967	44.2207756	0.004802772	0.01118759	0.000304515	0.000557355	0.000225134	0.16680707	2.20831E-06	0.000227221	0.000469897	0.001561656	0.000513372
2027 Mar	0.001791308	0.097431168	1.06876E-05	2.103111506	4.4069767	0.037577301	0.000787417	44.2997551	0.004812154	0.011214604	0.000305624	0.000558397	0.000225579	0.167276278	2.21315E-06	0.00022765	0.000472014	0.001565164	0.000514194
2027 Apr	0.001822028	0.099206187	1.08704E-05	2.139596224	4.483835697	0.038283885	0.000800718	45.04650879	0.004893737	0.01140772	0.000311103	0.000567837	0.000229406	0.170195237	2.25097E-06	0.000231501	0.000480711	0.001591964	0.000522807
2027 May	0.002150182	0.113428548	1.15965E-05	2.549260139	5.561528683	0.052737627	0.000901303	57.79266739	0.006167575	0.012142175	0.000447092	0.00074335	0.000293018	0.21058026	2.41946E-06	0.000279148	0.000639231	0.001811743	0.000681153
2027 Jun	0.001011278	0.094180427	1.02714E-05	1.348052979	2.466769695	0.029950902	0.000274742	18.51522827	0.002519727	0.009556822	0.000242747	0.000406626	0.000118435	0.09656059	2.08351E-06	0.000111318	0.00060777	0.00211079	0.000198874
2027 Jul	0.00093901	0.100476496	1.15622E-05	1.239849091	2.013436317	0.023331566	0.000213959	11.73693371	0.001957912	0.010479191	0.000185222	0.000335802	8.9589E-05	0.080515042	2.3286E-06	8.9354E-05	0.000553522	0.002267155	0.000110042
2027 Aug	0.001266823	0.098715775	1.19032E-05	1.600586057	2.91871357	0.028756721	0.000417969	24.36026192	0.003118291	0.010522812	0.000233151	0.000423899	0.00014843	0.116122603	2.41973E-06	0.00013596	0.000475652	0.002051153	0.000266149
2027 Sep	0.001750064	0.09133175	1.10124E-05	2.085918427	4.384403706	0.038128667	0.000756719	45.60933685	0.004997102	0.010634501	0.000310763	0.00060828	0.000237087	0.170759812	2.28111E-06	0.000219678	0.000484075	0.001722822	0.00053529
2027 Oct	0.001752586	0.093530491	1.06243E-05	2.026012182	4.297544479	0.035245951	0.000812188	43.13742065	0.004713858	0.011222693	0.000279148	0.000548875	0.000220143	0.166623294	2.19853E-06	0.000218299	0.000458409	0.001551761	0.000501457
2027 Nov	0.001690372	0.095246464	1.0702E-05	1.94878912	4.06709528	0.032584023	0.000801229	39.06536865	0.004331345	0.011473457	0.000250846	0.000491309	0.000201267	0.158102885	2.20618E-06	0.000206115	0.000433236	0.001514106	0.000447844
2027 Dec	0.001721275	0.095526241	1.07385E-05	1.983170152	4.161248207	0.03348095	0.000812848	40.44833755	0.004463706	0.011508883	0.000259645	0.000509295	0.000207572	0.16159752	2.21609E-06	0.000211176	0.000442698	0.00152844	0.000465512
2028 Jan	0.001720371	0.095986634	1.07395E-05	1.983841419	4.162922859	0.03369325	0.000811794	40.33211136	0.004454002	0.011516776	0.0002602	0.000507856	0.000207118	0.161667496	2.21604E-06	0.000210779	0.000444758	0.001527985	0.000463834
2028 Feb	0.001721616	0.096621431	1.07434E-05	1.98764801	4.173120975	0.034063827	0.00081114	40.2952919	0.00445244	0.011527753	0.000261768	0.000507541	0.000207065	0.162057802	2.21672E-06	0.000210658	0.000448399	0.001528807	0.000463113
2028 Mar	0.001723114	0.097008653	1.07507E-05	1.990648627	4.180604935	0.034279115	0.00081118	40.29494858	0.004453748	0.0115392	0.000262735	0.000507616	0.000207136	0.16234535	2.21815E-06	0.000210694	0.000450569	0.001529985	0.000462949
2028 Apr	0.0017405	0.098156489	1.0858E-05	2.011442423	4.224934101	0.034728508	0.000818993	40.68176651	0.004497254	0.011656416	0.000265799	0.000512534	0.000209165	0.164065078	2.24025E-06	0.000212738	0.000456108	0.001545337	0.000467304
2028 May	0.001833803	0.102697648	1.13514E-05	2.11947298	4.463462353	0.03684264	0.000860969	43.22399902	0.004768188	0.012181387	0.000283064	0.000545462	0.000221925	0.173366889	2.34351E-06	0.000224908	0.000482315	0.001621493	0.000497704
2028 Jun	0.000907625	0.088033184	1.02489E-05	1.196823955	2.040057421	0.022320075	0.000270922	13.55801582	0.002033656	0.009606891	0.000167336	0.000333455	9.28881E-05	0.081836246	2.07059E-06	9.53546E-05	0.000524479	0.002026147	0.000137687
2028 Jul	0.000897654	0.095997386	1.13247E-05	1.195791483	1.907916903	0.021671219	0.00021444	11.03530884	0.00188289	0.010291395	0.00016642	0.000333244	8.54359E-05	0.077602461	2.28128E-06	8.74517E-05	0.000550214	0.002259267	0.000104634
2028 Aug	0.001165623	0.108187251	1.30139E-05	1.521115422	2.554165602	0.026729491	0.000345657	17.68315697	0.002611401	0.011679803	0.000206693	0.000404536	0.000121993	0.104558937	2.63169E-06	0.000119455	0.000569485	0.002421897	0.000183115
2028 Sep	0.001360291	0.102107525	1.19721E-05	1.67259562	3.082643747	0.0277892	0.000551253	24.80447578	0.003161324	0.01160953	0.000209068	0.000412497	0.000147728	0.125460431	2.43795E-06	0.000152492	0.000486146	0.001974835	0.00027358
2028 Oct	0.001668134	0.096652135	1.06988E-05	1.921506047	3.944034338	0.031924911	0.000800266	37.07541275	0.004182444	0.011651176	0.000244988	0.000489738	0.000194604	0.158772454	2.20888E-06	0.000205903	0.000447686	0.001537219	0.000432751
2028 Nov	0.00163828	0.098866306	1.08762E-05	1.883094072	3.812287807	0.030135753	0.000801916	34.35666656	0.003930105	0.011957111	0.000224677	0.000447046	0.000182036	0.153574169	2.23837E-06	0.000198249	0.000428014	0.001514947	0.000395187
2028 Dec	0.001638159	0.099028677	1.08924E-05	1.882913828	3.809606791	0.030090254	0.000802344	34.27254486	0.003922993	0.011977411	0.000224081	0.000445771	0.000181675	0.153471515	2.24141E-06	0.000198072	0.000427675	0.001515764	0.000393974
2029 Jan	0.001637762	0.099339426	1.08928E-05	1.883649707	3.811678648	0.030245489	0.000801654	34.20789337	0.00391767	0.011981898	0.000224554	0.000444938	0.000181428	0.153541699	2.24135E-06	0.000197833	0.000429139	0.001515502	0.000392995
2029 Feb	0.001638353	0.099745035	1.08931E-05	1.885942221	3.81816268	0.030493708	0.000801056	34.1823349	0.003916367	0.01198636	0.000225606	0.000444698	0.000181381	0.153782681	2.24132E-06	0.000197723	0.000431531	0.001515759	0.0003925
2029 Mar	0.001639819	0.100031532	1.09009E-05	1.888489842	3.824304104	0.030647585	0.0008013	34.19269943	0.003918422	0.011997158	0.000226326	0.000444883	0.000181484	0.154019266	2.24288E-06	0.000197804	0.000433111	0.00151696	0.000392512
2029 Apr	0.001646821	0.100569025	1.09463E-05	1.897035003	3.842158794	0.030849271	0.000804457	34.32739639	0.003934343	0.012048427	0.000227582	0.000446664	0.000182225	0.154732302	2.2522E-06	0.000198595	0.000435628	0.00152335	0.000393998
2029 May	0.001815559	0.106337614	1.13223E-05	2.101912975	4.366699696	0.037277795	0.000863495	40.11569595	0.004591183	0.012423847	0.000288188	0.000538617	0.000214748	0.175477833	2.3408E-06	0.000224425	0.000506416	0.001630649	0.000477908
2029 Jun	0.001807233	0.113906682	1.13439E-05	2.22456336	4.743605137	0.052276749	0.000682771	43.07415009	0.005242936	0.011438292	0.000445155	0.000725579	0.000251946	0.189789698	2.35802E-06	0.000231061	0.000768608	0.002149029	0.000558475
2029 Jul	0.000881507	0.090589017	1.03485E-05	1.127631068	1.845180392	0.020349801	0.000216966	10.21622562	0.001795227	0.00941863	0.000164972	0.00029158	8.26495E-05	0.0751976	2.0868E-06	8.33053E-05	0.000453695	0.001930826	0.000106964
2029 Aug	0.001239645	0.093977757	1.10888E-05	1.511360288	2.761274338	0.026328571	0.000409656	20.93082809	0.002963317	0.009828713	0.000223541	0.000388877	0.000141962	0.112987809	2.25952E-06	0.000131478	0.000387904	0.00178241	0.000261338
2029 Sep	0.001491365	0.094041564	1.10786E-05	1.783715487	3.484727144	0.030503273	0.000622201	28.76633263	0.003783188	0.010559632	0.00024612	0.000462193	0.000180266	0.141916066	2.27547E-06	0.000174681	0.000407652	0.001670173	0.000373824
2029 Oct	0.001696619	0.095854901	1.08963E-05	1.974493027	4.053659439	0.034054805	0.000770714	35.11231232	0.00443898	0.011238774	0.000272731	0.000532291	0.000209185	0.163735628	2.25383E-06	0.000209771	0.000448694	0.001599982	0.000466554
2029 Nov	0.002040965	0.098225363	1.11841E-05	2.357614756	5.089565277	0.043964166	0.000913356	48.44410324	0.005905036	0.011603958	0.000369254	0.000735398	0.000279514	0.204702124	2.34329E-06	0.00026855	0.000553531	0.001735216	0.000666169
2029 Dec	0.002061511	0.098412059	1.12096E-05	2.380825758	5.151159763	0.044565812	0.000921398	49.23480606	0.005992657	0.011627483	0.000375144	0.000747656	0.000283735	0.207145393	2.35027E-06	0.000272011	0.000559919	0.001745032	0.000677992
2030 Jan	0.002060607	0.098653771	1.12103E-05	2.380656958	5.150661945	0.044658717	0.000920741	49.1629982	0.005985358	0.011632488	0.000375249	0.000746538	0.000283386	0.207116067	2.35023E-06	0.000271719	0.000560815	0.001744562	0.000676793
2030 Feb	0.002061728	0.099012889	1.12161E-05	2.38316226	5.156983852	0.044856139	0.000920656	49.15510941	0.005985531	0.011642278	0.000376098	0.00074646	0.000283401	0.207355604	2.35133E-06	0.000271707	0.000562793	0.001745449	0.000676502
2030 Mar	0.002064954	0.099334091	1.12334E-05	2.3875494	5.166968822	0.045020569	0.000921778	49.21315765	0.005993216	0.011662377	0.000377037	0.000747364	0.000283769	0.207749099	2.35491E-06	0.000272046	0.000564584	0.001748146	0.000677201
2030 Apr	0.002078095	0.100061625	1.13048E-05	2.403120995	5.200949192	0.045361139	0.000927461	49.51550674	0.006030391	0.011737672	0.000379638	0.000751969	0.000285532	0.209110752	2.36984E-06	0.000273727	0.000568699	0.001759252	0.000681305
2030 May	0.002185488	0.105129354	1.18537E-05	2.528173685	5.477038383	0.047915418	0.000974189	52.14022446	0.006352604	0.012306805	0.000401395	0.000792807	0.00030089	0.220186576	2.48553E-06	0.000288083	0.000600003	0.001847946	0.000718292
2030 Jun	0.001022006	0.096455522	1.06201E-05	1.345348835	2.392731428	0.027866559	0.000312875	14.80665588	0.002364187	0.010041668	0.000218547	0.00037518	0.000110874	0.096964173	2.15213E-06	0.000109765	0.000575076	0.002077517	0.000175907
2030 Jul	0.001047993	0.09094283	1.0404E-05	1.30929184	2.345707417	0.025181551	0.000279986	15.30911255	0.002520683	0.009421144	0.000214752	0.000389181	0.000117968	0.095052339	2.11393E-06	0.000111228	0.000490441	0.001963785	0.000207242
2030 Aug	0.001507326	0.099542066	1.14931E-05	1.78553617	3.513584137	0.034176733	0.000473068	27.44752502	0.004061732	0.010192983	0.000310601	0.000550909	0.000194204	0.142219782	2.36405E-06	0.00017311	0.000475375	0.001938162	0.000409488
2030 Sep	0.001655887	0.103270419	1.20811E-05	1.967862725	3.911844969	0.036736097	0.000585029	30.7255497	0.004488648	0.010931553	0.000323291	0.000588503	0.000214869	0.158650681	2.48973E-06	0.000195058	0.000491141	0.001969639	0.000459938
2030 Oct	0.001617412	0.098660789	1.11598E-05	1.883834958	3.78808713	0.032555647	0.00068673	28.46035385	0.004119302	0.011189267	0.000266725	0.000502322	0.000194128	0.15307799	2.299E-06	0.000193084	0.000441193	0.001671566	0.000419492
2030 Nov	0.00165153	0.098411262	1.10234E-05	1.911165953	3.879477739	0.032554038	0.000734276	29.12092209	0.004183274	0.011390337	0.000261764	0.0005007	0.000196327	0.156535298	2.27336E-06	0.000199498	0.000440321	0.001614295	0.00042974
2030 Dec	0.001652552	0.098526396	1.10347E-05	1.912250638	3.880974531	0.032551184	0.000735187	29.11408615	0.004182847	0.011406153	0.000261603	0.000500405	0.000196289	0.156596243	2.27558E-06	0.000199572	0.000440409	0.001615045	0.00042952
2031 Jan	0.001652422	0.098822065	1.10358E-05	1.913173914	3.883452654	0.032695744	0.000734794	29.07386208	0.00417835	0.011412456	0.000262024	0.000499654	0.000196076	0.156683117	2.27567E-06	0.000199388	0.000441812	0.00161481	0.000428662
2031 Feb	0.001653003	0.099203147	1.10362E-05	1.915328383	3.889516592	0.032924917	0.000734337	29.0569191	0.004176951	0.011417606	0.000262967	0.000499381	0.000196021	0.156908289	2.27567E-06	0.00019929	0.000444037	0.001614978	0.000428172
2031 Mar	0.001654657	0.099491075	1.10454E-05	1.918053031	3.895969868	0.033076417	0.000734683	29.0712204	0.004179572	0.011429656	0.000263694	0.000499637	0.000196149	0.157158002	2.27751E-06	0.000199398	0.000445609	0.001616378	0.000428251
2031 Apr	0.001679373	0.101018913	1.12022E-05	1.947139502	3.956502199	0.033651836	0.000745345	29.51320076	0.004243447	0.011593032	0.000268077	0.000507361	0.000199158	0.159591153	2.30993E-06	0.000202386	0.000452977	0.001639779	0.000434871
2031 May	0.001842078	0.13293837	1.16825E-05	2.262144804	4.786605358	0.055482045	0.000735147	31.65734863	0.004694831	0.012267277	0.000467331	0.000580251	0.00023038	0.19139111	2.41141E-06	0.000215313	0.000695935	0.001836838	0.000468763
2031 Jun	0.001236404	0.183727801	1.07451E-05	1.902652025	3.951028824	0.080280237	0.000265333	11.08652687	0.00224852	0.011399427	0.000688671	0.000320374	0.000133531	0.155324548	2.16388E-06	9.80923E-05	0.001051929	0.002026825	9.3003E-05
2031 Jul	0.001399324	0.187175512	1.24597E-05	2.04344511	4.133535862	0.076898612	0.000313819	13.71780014	0.002708988	0.012694603	0.00066261	0.000388393	0.000151495	0.163333774	2.51491E-06	0.000118226	0.001038767	0.002308232	0.000143691
2031 Aug	0.00158528	0.14243038	1.20288E-05	2.070611477	4.205703735	0.058242366	0.000488312	22.40426826	0.003841446	0.011366026	0.000508561	0.000497927	0.000197173	0.168823272	2.4599E-06	0.00016477	0.000716885	0.001991269	0.000338764
2031 Sep	0.002112462	0.103421554	1.10385E-05	2.535666704	5.568434238	0.055468924	0.000889686	41.63023376	0.006448954	0.010798782	0.000479311	0.000820134	0.000313131	0.224249527	2.3251E-06	0.00028004	0.000643456	0.001803085	0.000734678
2031 Oct	0.002296946	0.097821318	1.07924E-05	2.634881496	5.918916225	0.052218489	0.001044024	46.04675293	0.007018405	0.011622641	0.000446947	0.000882486	0.000332939	0.237083718	2.29019E-06	0.000315218	0.000633804	0.001719702	0.000824062
2031 Nov	0.002529003	0.099352062	1.10396E-05	2.894322634	6.613497257	0.05886101	0.001135211	52.97875214	0.008018713	0.01185719	0.000512446	0.001022828	0.000380975	0.26460886	2.36133E-06	0.000354747	0.0007047	0.001826271	0.000959895
2031 Dec	0.002526464	0.099465787	1.10506E-05	2.891382694	6.603816509	0.058747292	0.001134627	52.86126709	0.008002274	0.01187217	0.000511206	0.001020308	0.000380163	0.26422748	2.36314E-06	0.000354189	0.000703671	0.001825923	0.000957462
2032 Jan	0.002524325	0.099790581	1.10521E-05	2.890152931	6.600262165	0.05884473	0.001133303	52.76155853	0.007988473	0.011878455	0.000511081	0.001018268	0.000379502	0.264074862	2.36309E-06	0.000353631	0.000704598	0.001825185	0.000955291
2032 Feb	0.002523871	0.100210525	1.10525E-05	2.891305685	6.603544712	0.059064966	0.001132297	52.71305847	0.007982135	0.011883584	0.000511809	0.001017315	0.00037921	0.264188528	2.36298E-06	0.000353329	0.000706726	0.00182511	0.000954087
2032 Mar	0.002526147	0.100536324	1.10638E-05	2.894812584	6.611903191	0.059242323	0.001132888	52.73962402	0.007986698	0.011898208	0.000512712	0.001017818	0.000379432	0.264513493	2.36529E-06	0.000353519	0.000708575	0.001826892	0.000954392

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.002546976	0.101496376	1.11557E-05	2.919182062	6.667758465	0.059799898	0.001141989	53.16279984	0.008051082	0.011998488	0.000517185	0.00102598	0.000382493	0.266742706	2.38488E-06	0.000356363	0.000715093	0.001842031	0.000961952
2032 May	0.002684416	0.108654603	1.1625E-05	3.090624571	7.0861516	0.065254711	0.001190842	56.03521347	0.008522788	0.012497786	0.000566904	0.001090257	0.000406107	0.283295661	2.48778E-06	0.000375531	0.0007769	0.001944449	0.001018525
2032 Jun	0.001283319	0.101987734	1.05368E-05	1.666938305	3.308391094	0.040270809	0.000395836	19.3777256	0.003551111	0.010001685	0.000339101	0.000546604	0.00017045	0.132835075	2.16114E-06	0.000154183	0.000704365	0.002179686	0.0003366
2032 Jul	0.000964695	0.083875358	9.60313E-06	1.206007481	2.16189003	0.023343471	0.000248294	11.39113998	0.002342834	0.008641236	0.000201714	0.000365281	0.000109721	0.087569706	1.95158E-06	0.000102427	0.000457422	0.001829379	0.000193688
2032 Aug	0.001565189	0.087253012	1.07017E-05	1.897171617	3.855161905	0.036886692	0.000564202	25.32907677	0.004603661	0.009292219	0.00032442	0.000612094	0.000222559	0.156840324	2.21928E-06	0.000194341	0.000471756	0.001811705	0.000493929
2032 Sep	0.001694876	0.088150471	1.11025E-05	2.06499505	4.211931705	0.03830855	0.000701178	27.53589821	0.004942984	0.009889251	0.000320943	0.000623712	0.000239575	0.172008768	2.3059E-06	0.000214337	0.000455255	0.001750732	0.000534422
2032 Oct	0.001737427	0.0914388	1.11446E-05	2.08433032	4.277050972	0.037794471	0.000750691	27.50725746	0.004917994	0.010480016	0.000311574	0.000609117	0.000236348	0.174032241	2.31363E-06	0.000219389	0.000460212	0.001710571	0.000530006
2032 Nov	0.001940204	0.092996009	1.12305E-05	2.300604343	4.878896713	0.04333685	0.000840241	32.64410019	0.005753037	0.010756085	0.000365408	0.000723509	0.000275847	0.197617009	2.34913E-06	0.000254086	0.000522001	0.001770423	0.000644716
2032 Dec	0.002044535	0.093373038	1.11488E-05	2.404109716	5.188127518	0.045996137	0.00089227	35.28680038	0.006173237	0.010896164	0.000391115	0.000779791	0.000295294	0.209555596	2.34228E-06	0.000272497	0.00055316	0.001776352	0.000704078
2033 Jan	0.002043171	0.093878783	1.1151E-05	2.404135466	5.188170433	0.046189073	0.000891198	35.20248795	0.006159659	0.010909146	0.000391385	0.000777676	0.000294634	0.209534958	2.34236E-06	0.000271974	0.000555103	0.00177551	0.00070181
2033 Feb	0.002044608	0.094599783	1.1158E-05	2.408297777	5.199104309	0.04658417	0.000890631	35.18207932	0.006156992	0.010925447	0.000392985	0.00077712	0.00029452	0.209942251	2.34361E-06	0.000271823	0.000559038	0.001776533	0.000700843
2033 Mar	0.002052029	0.095309585	1.11981E-05	2.418421268	5.22205019	0.046956126	0.000893195	35.28450394	0.006175423	0.010969928	0.000395153	0.000779323	0.000295408	0.210849658	2.35189E-06	0.000272619	0.00056305	0.001782854	0.00070257
2033 Apr	0.002089357	0.097255155	1.14015E-05	2.463212967	5.319398403	0.047927562	0.000909057	35.91174316	0.006285493	0.011172267	0.000402769	0.000793142	0.000300678	0.214769185	2.39455E-06	0.000277467	0.000574438	0.001815212	0.000714877
2033 May	0.00211585	0.165068343	1.16433E-05	2.769515038	6.194576263	0.087810449	0.000744711	31.93606758	0.005898571	0.012099694	0.000765698	0.000766114	0.000302806	0.246294856	2.42571E-06	0.000251205	0.00102967	0.00205686	0.000607288
2033 Jun	0.001243258	0.155768961	9.80355E-06	1.838040829	3.889079094	0.072124995	0.000286896	13.00564671	0.002818999	0.010077226	0.000624812	0.000416134	0.000155708	0.153423712	1.99259E-06	0.000118056	0.000966555	0.001964028	0.000199488
2033 Jul	0.001331565	0.140377134	1.08627E-05	1.803407907	3.670379162	0.057813328	0.00032814	14.42451191	0.003129271	0.010532607	0.000508362	0.00045126	0.000162317	0.14589721	2.21259E-06	0.000132408	0.000796797	0.002034496	0.000250563
2033 Aug	0.001668504	0.144213602	1.23057E-05	2.139306784	4.409598351	0.060288627	0.000469427	20.37024879	0.004269679	0.011578076	0.000539011	0.000585404	0.000215577	0.176219031	2.52462E-06	0.000179455	0.00078144	0.002177971	0.000397189
2033 Sep	0.001745468	0.105159357	1.08571E-05	2.0879457	4.37689209	0.043072969	0.00074498	23.49503708	0.004693002	0.011054757	0.000358903	0.000577555	0.000225939	0.176241517	2.25038E-06	0.000214754	0.000541441	0.001669885	0.000494019
2033 Oct	0.001802704	0.094718538	1.02893E-05	2.063479424	4.393781185	0.036575068	0.000861922	24.53637314	0.00481542	0.011352695	0.000292408	0.000570772	0.000225733	0.176419988	2.14183E-06	0.000230672	0.000474565	0.001478733	0.000525399
2033 Nov	0.001764992	0.096711114	1.0497E-05	2.017958403	4.238697052	0.034558993	0.000857028	23.09534454	0.004546466	0.011650192	0.000270161	0.000528376	0.00021229	0.170316532	2.17696E-06	0.000221997	0.000456311	0.001472276	0.000485345
2033 Dec	0.001765878	0.096863419	1.05131E-05	2.018953323	4.239325523	0.034549002	0.000857741	23.08399963	0.004544624	0.011669225	0.000269934	0.000527903	0.000212186	0.170345098	2.1801E-06	0.00022201	0.000456372	0.001473724	0.000484867
2034 Jan	0.001765576	0.097126603	1.05157E-05	2.019567013	4.240754604	0.034667984	0.000857214	23.05845451	0.004539902	0.01167503	0.000270259	0.000527167	0.000211964	0.17039296	2.18048E-06	0.000221808	0.000457539	0.001473815	0.000483993
2034 Feb	0.001766165	0.097466141	1.05177E-05	2.021541357	4.246089458	0.034866512	0.0008568	23.05247307	0.004538869	0.011680525	0.00027109	0.000526967	0.000211925	0.170592099	2.18082E-06	0.000221728	0.000459484	0.001474266	0.000483574
2034 Mar	0.001768295	0.097750939	1.05296E-05	2.024687052	4.253344536	0.035010383	0.000857452	23.07281876	0.004542953	0.01169548	0.000271821	0.000527397	0.000212121	0.170875281	2.18324E-06	0.000221911	0.000461014	0.001476022	0.00048384
2034 Apr	0.001794565	0.099299893	1.06856E-05	2.055176258	4.317768574	0.03558939	0.00086997	23.41129112	0.004609643	0.011869736	0.000276093	0.000535114	0.000215238	0.173458681	2.21555E-06	0.000225159	0.000468427	0.001497938	0.000490846
2034 May	0.001885309	0.131030634	1.12539E-05	2.288195133	4.9075737	0.054809004	0.000825147	23.59823036	0.004741766	0.012543787	0.00045085	0.000564893	0.000230926	0.1958424	2.32751E-06	0.00022503	0.000685132	0.001690576	0.000480048
2034 Jun	0.001235286	0.168228567	1.03256E-05	1.846534729	3.844918013	0.073660232	0.000296815	10.41387367	0.002441089	0.010926246	0.000630628	0.000347248	0.000138809	0.151462436	2.08664E-06	0.00010715	0.00097991	0.001957764	0.00013462
2034 Jul	0.001635899	0.134946212	1.11437E-05	2.103023291	4.47454071	0.061916631	0.00045782	19.51703072	0.004487082	0.010679458	0.000555944	0.000637726	0.000225252	0.178036854	2.29937E-06	0.00018658	0.000829483	0.002132126	0.000441922
2034 Aug	0.00192164	0.145346373	1.29363E-05	2.437962294	5.141766548	0.066191994	0.000590338	23.33669853	0.005333916	0.012115899	0.000590981	0.000732676	0.000266294	0.205793351	2.67318E-06	0.000223065	0.000853646	0.002347977	0.000537633
2034 Sep	0.002042123	0.110357836	1.12801E-05	2.420142651	5.266551495	0.052389171	0.000850297	26.80031204	0.005930344	0.01155606	0.00045075	0.000756978	0.000285124	0.211181879	2.3614E-06	0.000263937	0.000655949	0.001849544	0.00065938
2034 Oct	0.002118834	0.096579589	1.05468E-05	2.423489571	5.36943531	0.046592213	0.000975755	28.53550911	0.006232329	0.011516023	0.000392342	0.000773535	0.000294334	0.215061516	2.22419E-06	0.00028519	0.000581184	0.001633624	0.00071849
2034 Nov	0.002229918	0.098068789	1.07543E-05	2.547517776	5.688736439	0.049488477	0.001022716	30.59801865	0.006676391	0.011736304	0.000420022	0.000834098	0.000315548	0.227751374	2.27511E-06	0.00030332	0.00061252	0.00168849	0.000777496
2034 Dec	0.002232926	0.09823972	1.07731E-05	2.550917625	5.695728779	0.049540676	0.001024251	30.63114357	0.00668364	0.011757676	0.000420405	0.000834899	0.000315882	0.228032604	2.27899E-06	0.000303691	0.000613237	0.001690974	0.000778245
2035 Jan	0.002235183	0.098495074	1.0777E-05	2.55437994	5.704946518	0.049732272	0.001024696	30.6627655	0.0066907	0.011763904	0.000421499	0.000835842	0.000316229	0.22838968	2.2799E-06	0.000303943	0.000615157	0.001692175	0.000778999
2035 Feb	0.002235783	0.098826997	1.07799E-05	2.556303501	5.710021496	0.049920194	0.00102434	30.65765762	0.006689551	0.01177024	0.000422272	0.000835615	0.000316184	0.228579357	2.28041E-06	0.000303865	0.000617005	0.001692681	0.000778564
2035 Mar	0.002237466	0.099072777	1.07885E-05	2.558903694	5.716187954	0.050051901	0.001024778	30.6729126	0.0066928	0.011781414	0.000422936	0.000835966	0.000316341	0.228818998	2.28216E-06	0.000304002	0.000618382	0.00169402	0.000778767
2035 Apr	0.00226638	0.10045179	1.09282E-05	2.592360497	5.791131973	0.05075293	0.001037829	31.06478119	0.006778258	0.011934993	0.000428601	0.000846609	0.000320383	0.231814861	2.31167E-06	0.000307878	0.000626899	0.001715948	0.00078861
2035 May	0.002357798	0.117816731	1.15472E-05	2.75366807	6.165551662	0.060054235	0.001044738	31.6815567	0.006945517	0.012646372	0.000511092	0.000870886	0.000332262	0.246302664	2.43632E-06	0.000313731	0.000734427	0.001847672	0.000793901
2035 Jun	0.00096529	0.124313563	9.91321E-06	1.405114174	2.664108038	0.045785617	0.000228117	7.275689602	0.001927124	0.009803561	0.000381037	0.000309244	0.000101161	0.10611292	1.99847E-06	8.71876E-05	0.000736878	0.001963589	9.90559E-05
2035 Jul	0.001025533	0.11217384	1.09174E-05	1.387174964	2.495738029	0.035139661	0.000244053	8.009370804	0.002225717	0.010209238	0.000293776	0.000360444	0.00010877	0.10042204	2.20655E-06	9.93283E-05	0.000639192	0.002132261	0.000144364
2035 Aug	0.001371845	0.10038285	1.12525E-05	1.75786674	3.377407789	0.03668832	0.000491103	13.86912441	0.003580335	0.010029049	0.000303916	0.000475628	0.000175791	0.137939543	2.3041E-06	0.000156005	0.000512402	0.001901922	0.000335373
2035 Sep	0.002082666	0.091094293	1.06687E-05	2.448560238	5.371135235	0.048133206	0.000930386	25.93389511	0.006394511	0.010683262	0.000408268	0.000807189	0.00030605	0.216544762	2.25192E-06	0.000282749	0.000574703	0.001712729	0.00073947
2035 Oct	0.002031533	0.095408194	1.0675E-05	2.33315444	5.083845139	0.04308933	0.000951964	23.84520531	0.005835009	0.01153186	0.000355478	0.000713566	0.000275328	0.204175234	2.24085E-06	0.000269859	0.000539169	0.001607357	0.000662378
2035 Nov	0.002010762	0.094372913	1.04707E-05	2.297011614	5.018034458	0.042147901	0.000948435	23.51011086	0.005744101	0.011474478	0.000347171	0.000700206	0.000270318	0.201306179	2.19846E-06	0.000267199	0.000530942	0.001566143	0.000652746
2035 Dec	0.002014701	0.094627045	1.04976E-05	2.301419258	5.026808739	0.042210262	0.000950509	23.54483986	0.005752442	0.011505984	0.000347594	0.000701057	0.000270695	0.201658517	2.20397E-06	0.000267658	0.000531867	0.001569518	0.000653532
2036 Jan	0.002014721	0.095031753	1.05021E-05	2.302884102	5.030414104	0.042405505	0.000949879	23.52649689	0.005747327	0.011515287	0.000348238	0.000700233	0.000270457	0.201787874	2.2047E-06	0.000267431	0.000533799	0.001569898	0.000652483
2036 Feb	0.002015004	0.095536217	1.05038E-05	2.305183887	5.036763668	0.04269053	0.000948996	23.51351166	0.005743366	0.01152222	0.000349349	0.000699604	0.000270283	0.202020392	2.20488E-06	0.000267211	0.000536574	0.001570237	0.000651534
2036 Mar	0.002015229	0.095806845	1.0505E-05	2.306486845	5.04031229	0.042843021	0.000948564	23.50750542	0.005741482	0.011526315	0.000349949	0.000699296	0.000270202	0.202151	2.20505E-06	0.000267105	0.000538063	0.001570474	0.000651056
2036 Apr	0.002060581	0.099910513	1.06652E-05	2.582648993	5.326097012	0.045843367	0.001012735	26.56490898	0.005891891	0.011805979	0.000453288	0.000710918	0.000278552	0.207235768	2.24012E-06	0.000352081	0.000563013	0.001600531	0.000670039
2036 May	0.002211397	0.113869525	1.1305E-05	3.35223031	6.168728352	0.055130478	0.00119251	34.9061203	0.006359855	0.012779085	0.000740228	0.000750761	0.000304611	0.224194527	2.37703E-06	0.000579135	0.000646541	0.001717279	0.000726036
2036 Jun	0.001149923	0.108208708	1.06789E-05	3.727780819	4.269876957	0.041678607	0.000856134	36.13043594	0.003024547	0.011111728	0.001207981	0.000388685	0.000156993	0.107460782	2.18093E-06	0.000944955	0.000655369	0.002139041	0.000282499
2036 Jul	0.001061233	0.098061405	1.08783E-05	4.191068172	4.067294121	0.029325411	0.000952351	42.14438248	0.002584503	0.011000874	0.001392361	0.000277822	0.000136292	0.08006224	2.21426E-06	0.001179273	0.000422327	0.001934477	0.000241524
2036 Aug	0.001307101	0.108418055	1.22555E-05	6.045759201	5.605247021	0.03584611	0.001427791	63.51240158	0.003404513	0.012752012	0.002078745	0.00030908	0.00018449	0.096105941	2.50799E-06	0.001798731	0.000408617	0.002053554	0.00035601
2036 Sep	0.001687861	0.097984493	1.16084E-05	11.28872585	9.759772301	0.050940007	0.002846161	127.2439499	0.005470294	0.014518418	0.004112167	0.000374264	0.000308357	0.122134417	2.43447E-06	0.003671841	0.000365601	0.001859077	0.000705825
2036 Oct	0.001908632	0.09770488	1.12531E-05	13.39157391	11.51496601	0.055666823	0.003499701	152.6549225	0.006255121	0.016113102	0.004898683	0.000373986	0.000352198	0.135760799	2.38497E-06	0.004423732	0.000348768	0.001676593	0.000840728
2036 Nov	0.002031365	0.097507112	1.12628E-05	14.95507145	12.7615757	0.060990162	0.00389562	171.6172943	0.006902863	0.016774822	0.005514843	0.000408977	0.000390319	0.143725485	2.40387E-06	0.004979808	0.00035993	0.001696677	0.000946803
2036 Dec	0.002053539	0.097401783	1.1251E-05	15.23431587	12.9848423	0.061896455	0.003968116	175.0094452	0.007016727	0.016896503	0.005624508	0.000414446	0.000396996	0.145145357	2.40453E-06	0.005079424	0.000361256	0.001695988	0.000965677
2037 Jan	0.002053295	0.097764067	1.12547E-05	15.21299076	12.97345543	0.062024176	0.003962321	174.7255402	0.007008635	0.016896928	0.00561583	0.000413993	0.000396498	0.145326212	2.405E-06	0.00507085	0.000363158	0.001696058	0.000964004
2037 Feb	0.00205418	0.098233014	1.12589E-05	15.20371056	12.97325516	0.062268496	0.003959056	174.5809174	0.007005924	0.016901791	0.005611996	0.000413945	0.00039632	0.145649031	2.40571E-06	0.005066263	0.000365915	0.00169676	0.000963103
2037 Mar	0.002060254	0.098756999	1.12919E-05	15.24000931	13.00845242	0.062571675	0.003968044	174.9768829	0.007023507	0.016950451	0.005625171	0.000415046	0.000397301	0.146222085	2.41264E-06	0.005077541	0.00036842	0.001701761	0.000965232
2037 Apr	0.002076874	0.09968742	1.13828E-05	15.35799313	13.11158085	0.063144624	0.003998498	176.3195801	0.007078372	0.017086439	0.005668592	0.000418323	0.000400396	0.147483215	2.432E-06	0.005116381	0.000372207	0.001715481	0.000972607
2037 May	0.001865595	0.170249581	1.16387E-05	10.29930973	10.18828583	0.090999961	0.00251708	111.1660004	0.005217175	0.015792163	0.003884871	0.000373057	0.000307718	0.176634133	2.4231E-06	0.003130588	0.000847803	0.001911197	0.000598836
2037 Jun	0.001495948	0.182777449	1.10788E-05	3.356580973	5.752830029	0.089380942	0.000655131	41.26233673	0.003720067	0.012040182	0.001242818	0.000472525	0.00020804	0.181873068	2.25712E-06	0.000591098	0.001118453	0.002200999	0.000298038
2037 Jul	0.001750407	0.173956335	1.26224E-05	3.255696535	6.197082043	0.083534956	0.000693026	53.09400558	0.004890801	0.012823719	0.001086263	0.000640557	0.000254435	0.200077027	2.58448E-06	0.00053162	0.001081418	0.002508011	0.000446508
2037 Aug	0.002030751	0.172477081	1.37089E-05	3.424665928	6.988397121	0.08511211	0.000821334	65.96126556	0.006030802	0.013453944	0.001057049	0.000765057	0.000306416	0.228172243	2.82002E-06	0.000537228	0.001056449	0.002608364	0.000588832
2037 Sep	0.002137715	0.159559414	1.38092E-05	3.304627419	7.107219696	0.078168452	0.000922839	70.49369812	0.006446704	0.013616387	0.000915621	0.000789347	0.000320802	0.235159799	2.84756E-06	0.000496184	0.000952163	0.002483145	0.000649441
2037 Oct	0.001990608	0.131315514	1.25506E-05	2.681185007	6.099384308	0.056646548	0.000941799	61.50945663	0.005707666	0.013151851	0.000590383	0.000657175	0.000274002	0.206404388	2.58609E-06	0.000370695	0.000702414	0.002012264	0.000579524
2037 Nov	0.001979453	0.128517836	1.24832E-05	2.608331919	5.977885723	0.053845104	0.00094944	60.26603699	0.005611934	0.013204787	0.000547073	0.000638863	0.000267836	0.203145593	2.57117E-06	0.000354664	0.000670873	0.001960339	0.00056923
2037 Dec	0.001993754	0.128705874	1.25097E-05	2.623570442	6.031054974	0.054248344	0.000955936	61.03892899	0.005675982	0.013231243	0.000550811	0.000646913	0.000270843	0.204837173	2.57754E-06	0.000357178	0.000674938	0.001967759	0.000577387
2038 Jan	0.001993787	0.128896728	1.25106E-05	2.623918295	6.03186655	0.054338645	0.000955622	60.99129486	0.005672936	0.013235483	0.000550854	0.000646446	0.000270693	0.204899758	2.57765E-06	0.000356922	0.000675801	0.001967501	0.000576836
2038 Feb	0.001994161	0.12916401	1.25112E-05	2.625204563	6.035203934	0.054493666	0.00095522	60.95968628	0.005671351	0.013239281	0.000551365	0.000646202	0.000270623	0.205047667	2.57771E-06	0.000356762	0.000677304	0.001967564	0.000576425
2038 Mar	0.001995461	0.129380718	1.25183E-05	2.627348423	6.04033947	0.054608133	0.000955525	60.9759407	0.005673601	0.013248626	0.000551947	0.000646425	0.000270733	0.205240935	2.57915E-06	0.000356871	0.000678495	0.001968679	0.000576518
2038 Apr	0.002011038	0.130466551	1.26155E-05	2.648105145	6.088178158	0.055079624	0.000962802	61.43846512	0.005717061	0.013352454	0.000556382	0.000651357	0.000272809	0.206877202	2.59915E-06	0.000359586	0.000684222	0.00198395	0.000580856
2038 May	0.001990122	0.158901989	1.28944E-05	2.71168375	6.199088097	0.069666654	0.000872755	54.83556366	0.005315105	0.013829209	0.000672535	0.00061085	0.000262482	0.215035558	2.64487E-06	0.000326325	0.00085157	0.002079451	0.000504176
2038 Jun	0.001351483	0.193401217	1.16367E-05	2.083214045	4.512232304	0.084638052	0.000329301	19.36480904	0.00263228	0.012312859	0.00073949	0.00036213	0.000152744	0.168363571	2.34378E-06	0.000130489	0.001110909	0.002197169	0.00012919
2038 Jul	0.001558662	0.202612981	1.38219E-05	2.309721708	5.088270187	0.08557871	0.000396447	27.84985924	0.003333877	0.014069767	0.000746352	0.000476375	0.000184401	0.185086593	2.78988E-06	0.000161376	0.001184699	0.002672685	0.000204808
2038 Aug	0.001783564	0.193740547	1.48704E-05	2.511261225	5.808864117	0.081935413	0.000565378	41.34905624	0.004223856	0.014550501	0.000709667	0.000555703	0.000227621	0.204486609	3.01429E-06	0.000201793	0.001078406	0.002689153	0.000327822
2038 Sep	0.001840239	0.162571847	1.38979E-05	2.416959763	5.930258751	0.067329176	0.000733797	50.71136856	0.004631108	0.013913838	0.000570832	0.000565307	0.000240985	0.201570824	2.8305E-06	0.000227544	0.000863503	0.002334824	0.000418354
2038 Oct	0.001800569	0.139307633	1.29499E-05	2.226566315	5.574045658	0.052483037	0.000826529	50.95976639	0.004463955	0.013579416	0.000429622	0.000509918	0.000225225	0.186571389	2.64136E-06	0.000229136	0.000676757	0.001998606	0.000423642
2038 Nov	0.001850085	0.139059901	1.30179E-05	2.273688793	5.776820183	0.053243451	0.000856718	54.14354706	0.004673976	0.013678204	0.000436933	0.000534966	0.000235462	0.192013413	2.65849E-06	0.000239002	0.000682261	0.002010976	0.000452969
2038 Dec	0.001861773	0.139093012	1.30318E-05	2.285938501	5.828991413	0.053555004	0.000862839	54.93946838	0.004727264	0.013692693	0.000439999	0.000541749	0.000238137	0.19343178	2.66215E-06	0.000241375	0.000685065	0.002015773	0.000460321
2039 Jan	0.001865401	0.139295846	1.30338E-05	2.290569544	5.847223759	0.053773753	0.0008643	55.1566658	0.00474231	0.013697348	0.000441392	0.000543635	0.00023889	0.19397372	2.6628E-06	0.000242015	0.000687081	0.002016969	0.000462248
2039 Feb	0.001867791	0.139585957	1.30347E-05	2.294318914	5.860690594	0.054013014	0.000864873	55.27397537	0.004751021	0.013701213	0.000442709	0.000544726	0.00023933	0.19440791	2.6631E-06	0.000242357	0.000689345	0.002017837	0.00046322

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.001872953	0.14003554	1.30623E-05	2.301108837	5.880064487	0.054254908	0.00086697	55.45018768	0.004765481	0.013731905	0.000444338	0.000546431	0.000240059	0.195044979	2.66881E-06	0.00024304	0.000692006	0.002022503	0.000464688
2039 Apr	0.001888119	0.141245306	1.31668E-05	2.32006979	5.928460121	0.054744195	0.000873799	55.88671112	0.004803437	0.013842827	0.000448108	0.000550764	0.000241971	0.196663275	2.69013E-06	0.000244964	0.000698071	0.002038689	0.000468314
2039 May	0.001962053	0.149023205	1.3675E-05	2.421036243	6.183220863	0.058309179	0.000901061	57.75337601	0.004978065	0.014394031	0.000478545	0.000571632	0.000251507	0.205464631	2.79357E-06	0.000253383	0.000740932	0.002124366	0.000483019
2039 Jun	0.001356251	0.109541267	1.18563E-05	1.744407654	4.404125214	0.041681468	0.000489961	44.52375412	0.003929084	0.011130397	0.000349481	0.000575179	0.000193496	0.143704325	2.41719E-06	0.000186355	0.000730212	0.00242581	0.000373265
2039 Jul	0.001095661	0.099910617	1.12691E-05	1.330421448	2.890512943	0.025415223	0.000320575	25.52395248	0.002559189	0.010159288	0.000222431	0.00036199	0.00012327	0.098793298	2.27877E-06	0.000121968	0.000453848	0.001993924	0.000201776
2039 Aug	0.001374756	0.107980832	1.23325E-05	1.587340355	3.658137083	0.027271647	0.000488727	34.8768425	0.00319651	0.010904952	0.000246587	0.000361806	0.000157999	0.123658493	2.50107E-06	0.000153682	0.000309958	0.001755109	0.000279246
2039 Sep	0.001615578	0.110464633	1.27079E-05	1.866802692	4.726501942	0.03331928	0.000689428	49.12879181	0.004153583	0.011761241	0.000287954	0.00046505	0.000205175	0.155132234	2.5917E-06	0.000204696	0.000374667	0.001810583	0.000404732
2039 Oct	0.001702842	0.109558143	1.24156E-05	1.950228333	5.132483959	0.034922995	0.00079699	54.42198563	0.00447339	0.012143904	0.000292603	0.000494226	0.000219388	0.166634187	2.53903E-06	0.000226546	0.00040494	0.001755577	0.000451489
2039 Nov	0.001765346	0.110599212	1.25438E-05	2.019350767	5.41774559	0.036856335	0.000829646	58.55458832	0.004753451	0.012270188	0.000311188	0.000529871	0.000233453	0.174654394	2.56924E-06	0.00023936	0.000423787	0.00179096	0.000488496
2039 Dec	0.001773279	0.110779285	1.25647E-05	2.0281322	5.452199936	0.037086718	0.000833903	59.03868866	0.004786677	0.012292644	0.000313344	0.000534017	0.000235113	0.175638363	2.57396E-06	0.000240915	0.000426118	0.001795689	0.000492805
2040 Jan	0.001776557	0.110938139	1.25665E-05	2.03229928	5.470673084	0.037280992	0.000835491	59.27202988	0.004801877	0.012296787	0.000314734	0.000535913	0.000235877	0.176158264	2.57455E-06	0.000241603	0.000427981	0.001797084	0.00049474
2040 Feb	0.001779449	0.111155927	1.25692E-05	2.03626442	5.488602638	0.037495073	0.000836764	59.48095322	0.004815099	0.012301457	0.000316149	0.000537516	0.000236542	0.176658258	2.57527E-06	0.000242201	0.000430005	0.001798517	0.000496326
2040 Mar	0.00178517	0.111523524	1.25991E-05	2.043150663	5.511555672	0.037699983	0.00083943	59.74193954	0.004833937	0.012331762	0.000317678	0.000539698	0.000237477	0.177348405	2.58149E-06	0.00024311	0.000432108	0.001803421	0.000498414
2040 Apr	0.001800987	0.112483099	1.27013E-05	2.061405897	5.565105915	0.038089927	0.000846932	60.34500504	0.00488033	0.012432128	0.000320889	0.000544962	0.000239764	0.179017901	2.60253E-06	0.000245411	0.00043638	0.001818622	0.000503376
2040 May	0.001855822	0.134453773	1.30811E-05	2.210914373	5.912780285	0.050593503	0.000825144	59.24197388	0.004896608	0.013018427	0.000431427	0.000552332	0.000246138	0.193072036	2.67598E-06	0.000243724	0.000581992	0.001934487	0.000485076
2040 Jun	0.001163605	0.167519614	1.13635E-05	1.747790694	3.71926403	0.066907823	0.000274018	15.43007851	0.002156965	0.011572925	0.000567639	0.000312913	0.000123441	0.138722688	2.28326E-06	0.000100305	0.000937839	0.002145773	8.731E-05
2040 Jul	0.001417513	0.158739313	1.27025E-05	1.953941345	4.988727093	0.064910546	0.000427692	39.56820679	0.003612932	0.012313657	0.00056149	0.000506809	0.000189513	0.165662423	2.57217E-06	0.000170689	0.000934506	0.002483036	0.000280333
2040 Aug	0.001751689	0.156674221	1.3699E-05	2.261222363	6.584458828	0.068265565	0.000646129	65.33535767	0.005157351	0.012877612	0.000603445	0.000663284	0.000264993	0.204767972	2.79382E-06	0.000246045	0.000889063	0.002540366	0.000483525
2040 Sep	0.001889911	0.139282957	1.35017E-05	2.375927448	7.404984951	0.064620905	0.000851556	80.95904541	0.006000578	0.012572533	0.000561478	0.000722256	0.000305216	0.223335445	2.76793E-06	0.000292722	0.00077577	0.002359883	0.000607518
2040 Oct	0.001895014	0.135520279	1.33937E-05	2.333215237	7.234669685	0.059521407	0.000905502	78.90921783	0.005836239	0.012940018	0.000508682	0.000681668	0.000293797	0.21840018	2.74434E-06	0.000292299	0.000717594	0.002239318	0.000590277
2040 Nov	0.001951095	0.136253029	1.35097E-05	2.390913963	7.526969433	0.060975779	0.000943024	83.20198059	0.006097511	0.013087166	0.000522415	0.000711613	0.000306571	0.225828379	2.77129E-06	0.000305473	0.000730109	0.002263788	0.000624123
2040 Dec	0.001961723	0.136368573	1.35265E-05	2.402292013	7.587275028	0.061322819	0.000949637	84.1008606	0.00615206	0.013103867	0.000525802	0.000718184	0.000309283	0.227344781	2.77544E-06	0.000308106	0.000733161	0.002269245	0.00063125
2041 Jan	0.001966851	0.136528313	1.35322E-05	2.408268929	7.617377281	0.061563469	0.000952511	84.49188232	0.006177561	0.013110883	0.00052772	0.000721258	0.000310554	0.22813113	2.77694E-06	0.000309309	0.000735322	0.002271596	0.000634519
2041 Feb	0.001969438	0.136732832	1.35362E-05	2.411786556	7.632288933	0.061745748	0.000953612	84.6367569	0.006188483	0.013116694	0.000528893	0.000722567	0.000311101	0.228557318	2.77787E-06	0.000309803	0.000737043	0.002272918	0.000635806
2041 Mar	0.001974664	0.137087449	1.35625E-05	2.418330669	7.655968189	0.061966784	0.0009561	84.89276886	0.00620726	0.013143183	0.000530592	0.000724791	0.000312044	0.229244575	2.78337E-06	0.000310709	0.000739393	0.002277826	0.000637882
2041 Apr	0.001988276	0.137991443	1.36471E-05	2.435005665	7.711963654	0.062429935	0.000962732	85.5175705	0.006252777	0.013225551	0.000534476	0.000730146	0.000314331	0.23089093	2.80084E-06	0.000312958	0.000744686	0.002292526	0.000642737
2041 May	0.002305555	0.147936508	1.41863E-05	2.808937788	9.56642437	0.077048376	0.001132304	108.0682755	0.00785381	0.013727046	0.000675067	0.00092913	0.000396292	0.279209375	2.9312E-06	0.000387634	0.000884273	0.002494165	0.00084642
2041 Jun	0.00138031	0.115627505	1.24061E-05	1.779931784	5.051464081	0.044656422	0.000540309	50.03978348	0.004227221	0.011479718	0.000376657	0.000589773	0.000208297	0.154729784	2.52482E-06	0.000206598	0.00074137	0.002501216	0.000393161
2041 Jul	0.000995963	0.101667479	1.16784E-05	1.293743372	2.856231689	0.026411695	0.000293525	22.39123154	0.002420033	0.010550306	0.000215803	0.000376952	0.000114918	0.094997503	2.35433E-06	0.000118797	0.000562497	0.002286286	0.000168319
2041 Aug	0.001400633	0.114514142	1.3372E-05	1.743293524	4.726247787	0.037199739	0.000524433	44.85017395	0.004064206	0.011920736	0.000318292	0.000552775	0.00019798	0.145584464	2.71514E-06	0.000198252	0.000621964	0.002507731	0.000368026
2041 Sep	0.001753041	0.114715047	1.36645E-05	2.126391649	6.684537888	0.047175493	0.00080167	69.79067993	0.005772177	0.012315383	0.00040724	0.000725424	0.000284181	0.196247786	2.7986E-06	0.000284148	0.000657308	0.002495681	0.000593665
2041 Oct	0.001884816	0.11411006	1.33276E-05	2.228119373	7.289942265	0.048687432	0.000942435	76.94955444	0.006220878	0.012655277	0.000416514	0.000747894	0.000305041	0.211900428	2.73839E-06	0.00031367	0.000640197	0.002328127	0.000658344
2041 Nov	0.001965995	0.115581609	1.34866E-05	2.314156532	7.717473984	0.05111324	0.000995318	82.31739044	0.006596415	0.012857641	0.000439341	0.000790802	0.000323624	0.222911865	2.77553E-06	0.000332423	0.000660702	0.002361798	0.000706719
2041 Dec	0.001986329	0.115820572	1.35181E-05	2.336244822	7.834661961	0.051817555	0.001007651	83.8431015	0.006702443	0.012885809	0.000446239	0.000803708	0.000328919	0.225861028	2.78336E-06	0.000337487	0.000666948	0.002372834	0.000720561
2042 Jan	0.001991611	0.116026826	1.35261E-05	2.342527628	7.864785194	0.052072566	0.001010533	84.1865387	0.006727458	0.012895504	0.000448237	0.000806697	0.00033017	0.226662815	2.7853E-06	0.000338669	0.000669264	0.002375403	0.000723714
2042 Feb	0.001993712	0.116234235	1.3528E-05	2.345573902	7.87727356	0.052249987	0.001011321	84.28120422	0.006735922	0.012899709	0.000449317	0.000807696	0.000330597	0.227030948	2.78579E-06	0.000339042	0.000670917	0.002376244	0.000724683
2042 Mar	0.001998397	0.116504572	1.35476E-05	2.351316214	7.900063992	0.052449606	0.001013633	84.5091095	0.00675454	0.012919397	0.000450837	0.000809941	0.000331523	0.227669388	2.78995E-06	0.000339933	0.000672997	0.002380299	0.000726847
2042 Apr	0.002036332	0.118304037	1.37523E-05	2.395385265	8.069093704	0.053572748	0.001033566	86.35266876	0.0069014	0.013112669	0.000460772	0.000827728	0.000338783	0.232339159	2.83278E-06	0.000347155	0.00068595	0.002419427	0.000743811
2042 May	0.002154491	0.136563152	1.4389E-05	2.586231232	8.617695808	0.064082764	0.001059567	88.79229736	0.007197941	0.013877177	0.000554536	0.000865658	0.000357328	0.251014024	2.96251E-06	0.000359758	0.000803019	0.002555768	0.000765582
2042 Jun	0.001285624	0.119429685	1.25396E-05	1.679112196	4.345759869	0.04104881	0.000479903	36.16875839	0.003527773	0.011774967	0.000338097	0.000497967	0.000173275	0.138370037	2.54067E-06	0.000175113	0.000711826	0.002450886	0.000295934
2042 Jul	0.001224269	0.109089829	1.21896E-05	1.498093486	3.814036131	0.031503133	0.000409767	30.51508331	0.003221929	0.011021537	0.000274985	0.000441291	0.00015583	0.120332159	2.46788E-06	0.000157807	0.000536646	0.002219173	0.000270738
2042 Aug	0.001392519	0.094675586	1.18705E-05	1.720948935	4.782598972	0.032282237	0.000680772	40.99208832	0.004012323	0.01027877	0.000261121	0.000438474	0.00020109	0.148344278	2.41639E-06	0.000200478	0.000353887	0.001765005	0.000382118
2042 Sep	0.001527284	0.093471251	1.19727E-05	1.879628658	5.440794468	0.034322966	0.000848649	47.40576935	0.004515211	0.010754691	0.00026393	0.000465893	0.000226115	0.167153895	2.44403E-06	0.000231988	0.000344738	0.001677132	0.000447279
2042 Oct	0.001649509	0.098371446	1.18661E-05	1.954633236	5.914905071	0.036104351	0.000942707	51.95793533	0.00485304	0.011572973	0.000279949	0.000500009	0.000239142	0.178835079	2.42786E-06	0.000256615	0.0003883	0.001654781	0.000493863
2042 Nov	0.001755069	0.099985771	1.20642E-05	2.069273472	6.506701946	0.039659649	0.001006447	58.62846375	0.005385726	0.011764413	0.000314495	0.00056459	0.000265685	0.193837583	2.47511E-06	0.00028224	0.000420723	0.001715098	0.000562867
2042 Dec	0.001773191	0.100185893	1.20906E-05	2.08893919	6.611986637	0.0402942	0.001017392	59.83112335	0.005481158	0.011787659	0.000320731	0.000576261	0.000270452	0.196479931	2.48179E-06	0.000286789	0.000426387	0.001724997	0.000575351
2043 Jan	0.001780957	0.100363918	1.20983E-05	2.097810507	6.658614159	0.040641472	0.001021752	60.33231354	0.005521829	0.011795376	0.000323751	0.000581268	0.000272487	0.197673947	2.4839E-06	0.000288695	0.000429543	0.001728944	0.000580629
2043 Feb	0.001782388	0.100547507	1.21002E-05	2.10003233	6.666985035	0.040781483	0.001022148	60.38047409	0.005526965	0.011799314	0.000324556	0.000581891	0.000272747	0.19793199	2.48434E-06	0.000288913	0.000430911	0.001729689	0.000581171
2043 Mar	0.001783743	0.100707963	1.21083E-05	2.101970673	6.672418594	0.040863421	0.001022677	60.41088486	0.005530201	0.011808565	0.000324999	0.000582221	0.000272907	0.198114783	2.486E-06	0.00028907	0.000431754	0.0017309	0.00058143
2043 Apr	0.00180987	0.10223031	1.22849E-05	2.132954359	6.770423412	0.041491743	0.001037514	61.28751755	0.005610709	0.011981538	0.000329877	0.000590693	0.00027688	0.201036349	2.52225E-06	0.000293271	0.000438378	0.001756181	0.000589851
2043 May	0.001899601	0.123840041	1.29571E-05	2.30569911	7.140888691	0.052604556	0.001033273	61.04020309	0.005706581	0.012820431	0.00042821	0.000606915	0.00028614	0.216117203	2.65583E-06	0.000295718	0.000569402	0.001901667	0.000582042
2043 Jun	0.001287998	0.174175516	1.18654E-05	1.908889771	4.40647459	0.072074763	0.000370327	19.14016914	0.002644709	0.012130188	0.000609326	0.000355618	0.000148926	0.157415599	2.38872E-06	0.000126626	0.000974501	0.002196611	0.00014136
2043 Jul	0.001520997	0.164623484	1.34259E-05	2.035933495	5.233075142	0.064386368	0.000489898	30.87901878	0.003760241	0.012971477	0.000559547	0.000491475	0.000196701	0.172750771	2.71745E-06	0.000180856	0.0008746	0.002428618	0.000291625
2043 Aug	0.001744717	0.154114276	1.42243E-05	2.260075092	6.306559563	0.06283088	0.000704979	43.06369019	0.004862223	0.013216703	0.000540363	0.000584042	0.000250729	0.19951196	2.89341E-06	0.000236708	0.000774806	0.002404474	0.000438671
2043 Sep	0.001956117	0.13291055	1.37388E-05	2.444401503	7.700181961	0.062087018	0.000959537	59.71519089	0.006274069	0.012618582	0.000529974	0.000719697	0.00031896	0.231004015	2.81903E-06	0.000309557	0.00069093	0.00224792	0.000644157
2043 Oct	0.002007047	0.126672849	1.33168E-05	2.4145441 06	7.78894949	0.056927755	0.001057677	61.28851318	0.006354347	0.013031926	0.000478901	0.000708358	0.000317602	0.231150851	2.73701E-06	0.000323983	0.000639779	0.002091706	0.000665647
2043 Nov	0.001874264	0.121826582	1.29098E-05	2.211662531	6.809628487	0.047038905	0.001024218	51.7542572	0.005455419	0.013270474	0.000380276	0.000582061	0.000268778	0.205577224	2.64322E-06	0.000289199	0.000550006	0.001899395	0.000553651
2043 Dec	0.001878263	0.121950373	1.29247E-05	2.215777636	6.82722187	0.047122952	0.001026852	51.91516495	0.005470562	0.013289604	0.000381008	0.00058371	0.000269504	0.20604746	2.6464E-06	0.000290007	0.000550875	0.001901646	0.000555506
2044 Jan	0.001880018	0.122194655	1.29293E-05	2.218455791	6.836067677	0.047280546	0.001027406	51.95935059	0.005475355	0.013297848	0.000381813	0.000584228	0.000269738	0.206336215	2.64737E-06	0.000290224	0.000552436	0.001902526	0.000555942
2044 Feb	0.001883826	0.122657903	1.29486E-05	2.223977327	6.852659225	0.047539737	0.001028787	52.04705429	0.005485254	0.013321135	0.000383258	0.000585299	0.00027023	0.206882328	2.65132E-06	0.00029069	0.0005551	0.001905692	0.000556797
2044 Mar	0.001889837	0.123187155	1.29882E-05	2.231662989	6.875151634	0.04777592	0.00103167	52.19161987	0.005501177	0.013363941	0.000384787	0.000586972	0.000271016	0.207597449	2.65942E-06	0.000291513	0.0005577	0.001911572	0.000558271
2044 Apr	0.00190443	0.124215543	1.30876E-05	2.249226093	6.928592682	0.048192125	0.001039413	52.58260727	0.005542773	0.013467304	0.00038793	0.000591396	0.000273066	0.209231287	2.67975E-06	0.000293706	0.00056247	0.00192622	0.000562413
2044 May	0.002008376	0.133333862	1.38006E-05	2.382481575	7.318547726	0.052229181	0.00108802	55.13137436	0.005824787	0.014220435	0.00042185	0.000622529	0.000287686	0.221560672	2.82525E-06	0.000308158	0.000609353	0.002038822	0.000588607
2044 Jun	0.001062	0.115965351	1.11507E-05	1.446481228	3.330994368	0.038196001	0.00036152	18.14018059	0.002494278	0.010729703	0.000308633	0.000361632	0.000124478	0.113015845	2.24888E-06	0.000125325	0.000662616	0.002143261	0.000169442
2044 Jul	0.001164427	0.123182312	1.28826E-05	1.563865662	3.582522392	0.037744485	0.00037249	20.81566811	0.00285332	0.012029414	0.000305817	0.000434636	0.000139143	0.119724527	2.59864E-06	0.000141353	0.000721777	0.00255181	0.000200372
2044 Aug	0.001499884	0.143515036	1.54057E-05	1.977463007	4.864583492	0.046493445	0.000543739	31.10186958	0.003941842	0.014215291	0.000378873	0.000557541	0.000193874	0.15795657	3.11568E-06	0.00019509	0.000815838	0.002948853	0.000312899
2044 Sep	0.001474144	0.11441616	1.31822E-05	1.862162113	4.885038376	0.036980923	0.000723316	33.80322647	0.003936326	0.01241558	0.000282977	0.000455321	0.000194382	0.155779555	2.67483E-06	0.000204927	0.000529244	0.002130229	0.000347981
2044 Oct	0.001602259	0.112263478	1.2695E-05	1.932178855	5.467776299	0.037387852	0.000852107	39.74871826	0.004398664	0.012673167	0.000287609	0.000483762	0.00021469	0.169451803	2.58514E-06	0.000235181	0.000504865	0.001951679	0.00041846
2044 Nov	0.00165361	0.113143384	1.27594E-05	1.978706598	5.704358578	0.038358539	0.000890259	41.99322891	0.004597396	0.012853084	0.000296502	0.000503059	0.000224126	0.175539315	2.6009E-06	0.000246203	0.000510623	0.001950073	0.000444599
2044 Dec	0.001668449	0.113317698	1.27822E-05	1.994779348	5.789710045	0.03886956	0.000899266	42.84383392	0.004674611	0.012873902	0.000301511	0.00051245	0.000227981	0.177686498	2.60659E-06	0.000249895	0.000515152	0.001958055	0.000454695
2045 Jan	0.00167142	0.11346209	1.27842E-05	1.998431087	5.807470798	0.039042816	0.000900766	42.99822998	0.004688829	0.012877588	0.000302777	0.000514156	0.000228692	0.178163886	2.60718E-06	0.000250551	0.000516711	0.001959207	0.000456489
2045 Feb	0.001672245	0.113642991	1.27847E-05	2.000016928	5.812438965	0.039166562	0.000900793	43.01377106	0.004690741	0.012880275	0.000303386	0.000514368	0.00022879	0.178338334	2.60729E-06	0.000250613	0.000517897	0.001959461	0.000456611
2045 Mar	0.001675914	0.113976195	1.28112E-05	2.004761934	5.825686455	0.039306141	0.000902526	43.09601212	0.004700121	0.012908325	0.000304256	0.000515378	0.000229249	0.178765863	2.61268E-06	0.000251101	0.000519538	0.001963534	0.000457439
2045 Apr	0.001688632	0.114889264	1.29076E-05	2.020180702	5.870179653	0.039635215	0.000909236	43.41609955	0.004735266	0.013006163	0.000306682	0.000519221	0.000230964	0.180143282	2.63233E-06	0.000252971	0.000523771	0.001978306	0.000460811
2045 May	0.001773289	0.120671757	1.35544E-05	2.12155509	6.164580345	0.041636236	0.000954751	45.58925629	0.004972409	0.013658244	0.000322128	0.000545221	0.000242532	0.189183563	2.76423E-06	0.000265636	0.000550167	0.002077456	0.000483864
2045 Jun	0.001581793	0.105039999	1.23933E-05	1.936821222	6.15612936	0.04429153	0.000736485	49.59329987	0.005319918	0.011606706	0.00037323	0.000699132	0.000259204	0.179732621	2.53861E-06	0.00026415	0.000700853	0.002451297	0.000548448
2045 Jul	0.001424602	0.112082735	1.33222E-05	1.786454916	5.104128361	0.039564665	0.000556554	38.90710068	0.004457623	0.012118452	0.000333238	0.000634466	0.000215003	0.153489172	2.71042E-06	0.000217962	0.00072756	0.002717292	0.000421506
2045 Aug	0.00165088	0.121326014	1.46442E-05	2.051007271	5.994524956	0.044382021	0.000696627	46.48950195	0.005206667	0.01316182	0.000373656	0.000697611	0.000253694	0.179630652	2.98392E-06	0.000255035	0.000730429	0.002820026	0.000505327
2045 Sep	0.001676603	0.114833549	1.39696E-05	2.058184624	6.076268196	0.042272184	0.000799696	47.14284897	0.005181876	0.012822635	0.000345282	0.000641057	0.000253656	0.182791159	2.84955E-06	0.000259928	0.00062364	0.002470264	0.000510768
2045 Oct	0.001872833	0.11765866	1.42105E-05	2.257226944	7.117421627	0.047985863	0.000932445	57.25330353	0.006089452	0.013243025	0.000399604	0.000741537	0.000298416	0.209328324	2.91067E-06	0.000305537	0.000666484	0.002514896	0.000629771
2045 Nov	0.001930716	0.11877989	1.43556E-05	2.321114779	7.436019421	0.049941245	0.000966107	60.37233734	0.006377214	0.013369276	0.000418476	0.000776823	0.000312766	0.21746321	2.94369E-06	0.0003192	0.000685203	0.002555196	0.000666599
2045 Dec	0.001953566	0.119061343	1.43937E-05	2.345929623	7.567960739	0.050741311	0.000979738	61.68819046	0.006496985	0.013401175	0.000426321	0.000791499	0.000318748	0.220778018	2.95302E-06	0.00032486	0.000692434	0.002568559	0.000682226
2046 Jan	0.00195737	0.119188294	1.43993E-05	2.350340843	7.589765549	0.050915372	0.000981845	61.88895416	0.006515442	0.013407555	0.000427742	0.000793713	0.00031967	0.221350208	2.95439E-06	0.000325727	0.000694005	0.00257043	0.000684577

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.001958196	0.119340256	1.44038E-05	2.351740599	7.593245029	0.050996695	0.000982007	61.89682388	0.006516763	0.013413597	0.00042813	0.000793841	0.000319736	0.221480653	2.9553E-06	0.000325782	0.000694847	0.002571153	0.000684611
2046 Mar	0.001965617	0.119848169	1.44576E-05	2.360875607	7.622171402	0.051222712	0.00098559	62.12137985	0.006540674	0.013464637	0.000429867	0.000796735	0.000320909	0.222340226	2.96632E-06	0.000326971	0.00069778	0.002580697	0.000687065
2046 Apr	0.002000928	0.121853031	1.4696E-05	2.402990818	7.766352177	0.052197058	0.001003532	63.32975006	0.006665019	0.013686225	0.000438139	0.000811904	0.000327028	0.226466537	3.01547E-06	0.000333119	0.000710384	0.00262439	0.000700591
2046 May	0.002124876	0.133075297	1.54077E-05	2.569204092	8.31787014	0.058635432	0.001053562	67.16500092	0.007071999	0.014417272	0.000495385	0.000862223	0.000348702	0.243209779	3.16226E-06	0.000352211	0.000784386	0.002765673	0.000741939
2046 Jun	0.001362238	0.113723889	1.23468E-05	1.756422877	5.001624107	0.043888498	0.000536492	36.48741531	0.004198685	0.011388733	0.000368498	0.000587408	0.000206505	0.152775705	2.51165E-06	0.000204089	0.000737467	0.002502543	0.000391023
2046 Jul	0.000958942	0.100119434	1.15234E-05	1.263592362	2.739822149	0.026064334	0.000280904	16.20082092	0.002315719	0.010430292	0.000209155	0.000369176	0.0001097	0.091843732	2.32148E-06	0.000113362	0.00057264	0.002291704	0.000155684
2046 Aug	0.001244603	0.108913943	1.29117E-05	1.593661308	3.972988129	0.032544963	0.00046864	27.23302078	0.003372505	0.011511648	0.000264128	0.000464062	0.000163952	0.126745671	2.61248E-06	0.000165204	0.000580631	0.002398279	0.000280234
2046 Sep	0.001499987	0.100349918	1.21968E-05	1.832052112	5.350653172	0.036253631	0.000763247	40.92164612	0.004482998	0.011308752	0.000288134	0.000518463	0.000220576	0.162629768	2.48656E-06	0.000227482	0.000483802	0.00198771	0.000439727
2046 Oct	0.001736929	0.103121221	1.20119E-05	2.023070574	6.473323345	0.040786244	0.000956987	51.5490799	0.005385788	0.012007833	0.0003297	0.000598127	0.000262792	0.190891474	2.46291E-06	0.000279614	0.000504968	0.001875945	0.000563975
2046 Nov	0.001930919	0.10489054	1.22056E-05	2.224109411	7.591719151	0.047302395	0.001079059	62.73842621	0.006392117	0.012248256	0.000393756	0.00071821	0.00031275	0.218745992	2.5159E-06	0.000327746	0.000560457	0.001954852	0.000697021
2046 Dec	0.001967399	0.105224423	1.22531E-05	2.263169527	7.806864738	0.04860124	0.001100995	64.90216827	0.006588026	0.01228609	0.000406579	0.000742207	0.000322533	0.224102676	2.52817E-06	0.00033692	0.000571934	0.001974533	0.000722787
2047 Jan	0.00197226	0.105406277	1.22594E-05	2.268883228	7.835194588	0.048841879	0.001103587	65.15979004	0.006611753	0.012293519	0.000408489	0.000745076	0.000323718	0.224848598	2.52976E-06	0.000338018	0.000574134	0.001976959	0.000725802
2047 Feb	0.001973348	0.105636455	1.2265E-05	2.270849228	7.8398633	0.048966683	0.001103721	65.16488647	0.006613085	0.012301601	0.000409064	0.000745188	0.000323785	0.225031406	2.53088E-06	0.000338065	0.000575409	0.001977827	0.000725773
2047 Mar	0.001986513	0.106435835	1.23463E-05	2.286391258	7.892346859	0.049347039	0.001110823	65.58255005	0.006655922	0.012384402	0.000411984	0.000749993	0.000325884	0.22656475	2.54761E-06	0.000340244	0.000579773	0.001990902	0.000730377
2047 Apr	0.002003114	0.107379556	1.24491E-05	2.30572319	7.958405495	0.0497902	0.001119957	66.12083435	0.006710811	0.012488318	0.000415537	0.000756166	0.000328572	0.228476509	2.56882E-06	0.000343043	0.00058492	0.00200747	0.000736344
2047 May	0.002089377	0.130902901	1.28182E-05	2.491337299	8.445177078	0.064219192	0.00110088	66.81958771	0.006864315	0.013033072	0.000546638	0.000782704	0.000342534	0.246843353	2.6426E-06	0.000345965	0.000745203	0.002130823	0.000736838
2047 Jun	0.001540124	0.187251657	1.16521E-05	2.211377144	5.980587006	0.088611826	0.000499008	31.108881	0.003858011	0.01222137	0.000767303	0.000495334	0.000213743	0.19957453	2.36212E-06	0.000181254	0.001113357	0.002215197	0.000297468
2047 Jul	0.001746081	0.196065739	1.38676E-05	2.428146124	6.67144537	0.089268327	0.000577463	38.2107811	0.004631054	0.013976723	0.000774549	0.00061268	0.000247979	0.217565075	2.81391E-06	0.00021806	0.001178159	0.002689146	0.0003798
2047 Aug	0.001982281	0.199945122	1.53401E-05	2.688450575	7.627334595	0.091536328	0.000739585	47.53863144	0.00553315	0.015038366	0.000790729	0.00069863	0.000292428	0.243819818	3.11966E-06	0.00026259	0.001164236	0.00284293	0.000486417
2047 Sep	0.001912159	0.150315434	1.3702E-05	2.440017939	7.403455257	0.068717822	0.000905993	52.77482605	0.005746189	0.013292415	0.000579307	0.000663466	0.000294566	0.227628559	2.79993E-06	0.000282851	0.000814384	0.002293761	0.000561972
2047 Oct	0.002060488	0.134212151	1.2996E-05	2.475702524	8.211817741	0.064152338	0.001080154	63.72258759	0.006606916	0.013167066	0.000543011	0.000745268	0.000330905	0.24243623	2.67309E-06	0.000332262	0.00073969	0.002119723	0.000697918
2047 Nov	0.00215423	0.132221147	1.29967E-05	2.55241251	8.728410721	0.065452948	0.001152664	69.37796783	0.007097547	0.013271757	0.000557097	0.000800201	0.000354061	0.254431218	2.68043E-06	0.00035712	0.000745279	0.002124965	0.000766048
2047 Dec	0.002186533	0.132524595	1.30399E-05	2.586707592	8.918194771	0.066595092	0.001172084	71.28631592	0.007270399	0.013306785	0.000568364	0.000821326	0.000362681	0.259149641	2.69147E-06	0.000365172	0.000755386	0.002142399	0.000788775
2048 Jan	0.002196976	0.13277033	1.30551E-05	2.598360538	8.97892952	0.067032002	0.001177995	71.86834717	0.007323627	0.013321404	0.000572182	0.000827802	0.000365335	0.260703802	2.69524E-06	0.000367636	0.00075935	0.00214805	0.000795648
2048 Feb	0.002199522	0.133099005	1.30694E-05	2.602092028	8.989542961	0.067206599	0.001178883	71.91893768	0.007329653	0.013338476	0.000573149	0.000828441	0.000365636	0.261062294	2.69815E-06	0.000367919	0.000761182	0.002150337	0.000796117
2048 Mar	0.002200005	0.133222729	1.30718E-05	2.603052855	8.991628647	0.067273751	0.001178884	71.9170532	0.007329932	0.013342289	0.000573439	0.00082845	0.00036565	0.261150092	2.69862E-06	0.000367922	0.000761863	0.002150699	0.000796046
2048 Apr	0.002229306	0.135429397	1.32378E-05	2.639614105	9.114258766	0.068451732	0.001193304	72.81561279	0.007423151	0.0135183	0.000582061	0.000838931	0.000370301	0.264823407	2.73284E-06	0.000372516	0.000774679	0.002178242	0.000805795
2048 May	0.002358214	0.143457174	1.39969E-05	2.793162107	9.643675804	0.072557203	0.001261668	77.00932312	0.007851195	0.014296707	0.000616326	0.000887314	0.00039166	0.280250549	2.88957E-06	0.000393941	0.000820847	0.002303499	0.000852129
2048 Jun	0.001342906	0.11094185	1.19756E-05	1.694203496	4.711081505	0.039678086	0.000577192	33.38199615	0.00386706	0.011461775	0.00032214	0.000512346	0.000188747	0.14583376	2.4324E-06	0.000193418	0.000655773	0.002266288	0.000352348
2048 Jul	0.000983895	0.103827909	1.19639E-05	1.287926435	2.699773788	0.025491124	0.00029482	15.27577019	0.0022592	0.010932324	0.000200324	0.000357769	0.000106121	0.091894433	2.40779E-06	0.000111964	0.00057288	0.002334179	0.000142622
2048 Aug	0.001371076	0.105997264	1.28261E-05	1.708108306	4.629749298	0.034555972	0.000585704	33.94196701	0.00393807	0.011380888	0.000282142	0.000497567	0.000193133	0.143531457	2.60272E-06	0.000192193	0.000530038	0.002249443	0.000358831
2048 Sep	0.001672828	0.102419235	1.25893E-05	2.007097483	6.300611496	0.041705187	0.000863878	50.44990921	0.005354158	0.011522083	0.000342168	0.000617547	0.000264222	0.186336249	2.57554E-06	0.000265284	0.000516425	0.002065906	0.000552719
2048 Oct	0.001823093	0.103421934	1.22409E-05	2.111958981	7.011698246	0.04421217	0.000997811	57.19377518	0.005907163	0.011958832	0.000364797	0.000662258	0.000289276	0.203809068	2.5141E-06	0.000298924	0.000527332	0.001946209	0.000631862
2048 Nov	0.001889115	0.105372109	1.2346E-05	2.170431614	7.292022228	0.045459215	0.001047513	59.68190002	0.006129205	0.012270077	0.000375348	0.000682294	0.000299587	0.21121648	2.5381E-06	0.000311775	0.000537624	0.001944272	0.000660359
2048 Dec	0.001898476	0.105573118	1.23696E-05	2.180368662	7.341554165	0.04575434	0.001053151	60.16109848	0.006173376	0.012294304	0.000378158	0.000687532	0.000301773	0.212484375	2.5434E-06	0.00031388	0.000540379	0.001949914	0.000665998
2049 Jan	0.001898888	0.105759874	1.23731E-05	2.181410789	7.342229843	0.045835778	0.001053027	60.13248444	0.006171442	0.012301057	0.000378415	0.000687222	0.000301674	0.212556839	2.54405E-06	0.000313791	0.000541228	0.00195012	0.00066558
2049 Feb	0.001899533	0.105985552	1.23756E-05	2.182951927	7.345228672	0.045961492	0.001052859	60.11991882	0.006171061	0.0123064	0.000378943	0.000687138	0.000301657	0.212696999	2.54454E-06	0.000313749	0.000542491	0.001950503	0.000665344
2049 Mar	0.001904372	0.106359176	1.24063E-05	2.1889503	7.364217281	0.046138726	0.001055254	60.25507355	0.00618543	0.01233839	0.000380127	0.000688715	0.00030236	0.213276014	2.55081E-06	0.000314468	0.000544462	0.001955321	0.000666788
2049 Apr	0.001929046	0.1077969	1.25665E-05	2.217563629	7.45979166	0.046771161	0.001068762	61.02540588	0.006264794	0.012498621	0.000385177	0.000697539	0.000306241	0.216060728	2.58374E-06	0.000318495	0.000551855	0.001980568	0.000675282
2049 May	0.002027421	0.117549963	1.3222E-05	2.348978519	7.849298477	0.051511481	0.001109488	63.43179321	0.006535772	0.01319238	0.000425993	0.000728984	0.000320715	0.228462309	2.7174E-06	0.000331603	0.000607035	0.002093442	0.000699914
2049 Jun	0.001091875	0.103844531	1.13583E-05	1.421125531	3.474019527	0.032046828	0.000411587	22.07651138	0.002826795	0.01069696	0.000254065	0.00040385	0.000136644	0.112686925	2.29474E-06	0.000141001	0.000603475	0.002193832	0.000221725
2049 Jul	0.001099739	0.103668407	1.18304E-05	1.390771031	3.382324457	0.029415911	0.000364858	22.28975868	0.002866524	0.010776319	0.000243457	0.000420163	0.000137017	0.108411506	2.38947E-06	0.00013914	0.000576581	0.002288278	0.00022649
2049 Aug	0.001471402	0.121088266	1.40552E-05	1.814367771	4.92649889	0.038910743	0.000561148	35.77568436	0.004210963	0.012651525	0.000328873	0.00056697	0.000204374	0.151817381	2.85008E-06	0.000202948	0.000653686	0.002615916	0.000378742
2049 Sep	0.001669537	0.111615479	1.31545E-05	1.985015392	6.041312695	0.041329745	0.000816443	47.00635147	0.005096896	0.012363737	0.000340684	0.000604318	0.000248971	0.180267006	2.68341E-06	0.000253746	0.000567816	0.002218838	0.00051029
2049 Oct	0.001818571	0.109609164	1.25802E-05	2.086492777	6.78676033	0.043351591	0.000972074	54.27925873	0.005674187	0.012582175	0.000356879	0.000641173	0.000275693	0.198519588	2.57732E-06	0.00028901	0.000552897	0.002018317	0.000595857
2049 Nov	0.002065876	0.111215569	1.27842E-05	2.338282108	8.238982201	0.051811948	0.001128203	68.91939545	0.00698836	0.012815646	0.000440163	0.000797828	0.000340919	0.234344423	2.63605E-06	0.000350317	0.000623545	0.002115925	0.000770386
2049 Dec	0.002098551	0.111530811	1.28284E-05	2.372469187	8.430624962	0.052966826	0.00114777	70.84698486	0.007163031	0.012851572	0.000451549	0.000819128	0.000349615	0.239092201	2.64726E-06	0.00035835	0.000633796	0.002133619	0.000793353
2050 Jan	0.002101027	0.111729771	1.28355E-05	2.375660419	8.44321537	0.053113796	0.001148907	70.939888	0.007172135	0.012860954	0.00045249	0.000820162	0.000350066	0.239458725	2.64879E-06	0.00035877	0.000635218	0.002135049	0.000794384
2050 Feb	0.002101544	0.11193423	1.28377E-05	2.377001524	8.445577621	0.053226437	0.001148718	70.92463684	0.007171437	0.012865625	0.000452948	0.000820039	0.000350034	0.239577621	2.64919E-06	0.000358716	0.000636342	0.002135333	0.000794124
2050 Mar	0.002102625	0.112088196	1.28437E-05	2.378635406	8.450072289	0.053308055	0.001149052	70.94326019	0.00717378	0.012873057	0.00045337	0.000820284	0.000350149	0.239733413	2.65042E-06	0.000358823	0.000637196	0.002136299	0.000794284
2050 Apr	0.002122696	0.113213554	1.2966E-05	2.401578188	8.530824661	0.053848088	0.001159873	71.61023712	0.007241489	0.012996413	0.000457806	0.000828013	0.000353454	0.242040634	2.67564E-06	0.000362204	0.000643582	0.002156617	0.000801724
2050 May	0.002215068	0.120367862	1.35426E-05	2.515890598	8.905043602	0.057398446	0.0012034	74.33599091	0.007529522	0.013594635	0.000488464	0.000861502	0.000368155	0.2532731	2.79398E-06	0.000376275	0.000685259	0.002256442	0.000831199
2050 Jun	0.001165886	0.119167946	1.15955E-05	1.547354698	3.842033625	0.04113619	0.000415037	23.06328392	0.002967704	0.011141407	0.000336893	0.000421527	0.000147187	0.125760585	2.34255E-06	0.000145643	0.000700672	0.002253444	0.000228234
2050 Jul	0.001036857	0.103512295	1.137E-05	1.292260528	2.951509714	0.027046613	0.000314618	17.91034698	0.002432838	0.01036435	0.000228769	0.000348029	0.000116578	0.097476408	2.29172E-06	0.000117915	0.00050438	0.002080441	0.000174066
2050 Aug	0.001386955	0.115729347	1.29029E-05	1.647167444	4.443473339	0.034980491	0.000499407	31.76304245	0.003746544	0.011600827	0.000309188	0.000478639	0.000182424	0.137535244	2.61438E-06	0.000179245	0.000524554	0.002225703	0.000333172
2050 Sep	0.00154957	0.110203832	1.26993E-05	1.82329011	5.340299606	0.037413981	0.000708278	40.43003082	0.004473404	0.011740237	0.000315793	0.000520772	0.000218999	0.16157952	2.58381E-06	0.000220385	0.000489933	0.002048438	0.00043341
2050 Oct	0.001755682	0.1139661	1.30943E-05	2.031523705	6.405492306	0.04325239	0.000847801	50.65794754	0.005403415	0.012321051	0.000369311	0.00062472	0.000264458	0.188818634	2.67497E-06	0.000266173	0.000541755	0.002126976	0.000553487
2050 Nov	0.001890713	0.115825236	1.33422E-05	2.17331028	7.177938938	0.047960646	0.000926528	58.36246109	0.006106796	0.012522061	0.000415529	0.000710582	0.000299449	0.208075464	2.73381E-06	0.000298294	0.000584619	0.002209203	0.000645068
2050 Dec	0.001911175	0.116076782	1.33758E-05	2.194659948	7.295667171	0.048671879	0.000938666	59.53929901	0.006213891	0.012550492	0.000422506	0.000723601	0.000304773	0.211003304	2.74196E-06	0.0003032	0.000591024	0.002220897	0.000659066
2051 Jan	0.001920658	0.116203845	1.33854E-05	2.204702139	7.352504253	0.049048044	0.00094421	60.10278702	0.006264922	0.01255847	0.000426007	0.000729825	0.000307313	0.212417662	2.74455E-06	0.000305509	0.000594361	0.002225681	0.000665774
2051 Feb	0.001922183	0.116318062	1.33886E-05	2.206675053	7.36097002	0.049146432	0.000944875	60.16874695	0.006271265	0.012562552	0.000426661	0.000730579	0.00030763	0.21265696	2.74527E-06	0.000305788	0.000595305	0.002226572	0.000666521
2051 Mar	0.001925277	0.116549298	1.34096E-05	2.210419416	7.372952938	0.049251515	0.00094629	60.2578125	0.006280762	0.012583039	0.000427437	0.000731673	0.000308096	0.213016018	2.74957E-06	0.000306246	0.000596514	0.002230049	0.000667485
2051 Apr	0.001952186	0.118203685	1.35968E-05	2.241425037	7.476080418	0.04995488	0.000959454	61.09552765	0.006368202	0.012759061	0.000433462	0.000741853	0.000312385	0.216002956	2.78794E-06	0.000310507	0.000604996	0.002261155	0.000676751
2051 May	0.002142619	0.12602216	1.39448E-05	2.50634861	8.576913834	0.059907347	0.001058871	70.57100677	0.00726764	0.013115269	0.000523711	0.000856835	0.000359997	0.246363103	2.91444E-06	0.000359366	0.000702682	0.002390209	0.000802114
2051 Jun	0.001374974	0.072628535	8.17883E-06	2.782334566	5.739875793	0.049772508	0.000782964	35.37197876	0.004146836	0.008073635	0.000326638	0.000603745	0.000241282	0.20190683	3.03843E-06	0.000451425	0.000576586	0.00162759	0.000798224
2051 Jul	0.001327786	0.063116632	8.07323E-06	2.923141956	5.479054928	0.045309372	0.000807258	31.95056343	0.003887156	0.007991037	0.000265806	0.000589936	0.000232609	0.200459361	3.23722E-06	0.000489987	0.000526501	0.001598845	0.000832682
2051 Aug	0.001358509	0.064720497	8.27882E-06	2.956476927	5.59996748	0.046043966	0.000823173	32.99536896	0.003992796	0.008163609	0.000272405	0.000601016	0.00023784	0.203868032	3.27709E-06	0.000494529	0.000532502	0.001627793	0.000843609
2051 Sep	0.001343327	0.063184418	8.18839E-06	2.939018726	5.547523022	0.045082662	0.000829044	32.65621567	0.003953241	0.008114578	0.000264165	0.000593712	0.000235669	0.202238157	3.23686E-06	0.000495086	0.000517795	0.001591681	0.000838095
2051 Oct	0.001300263	0.058753747	7.89515E-06	2.928299427	5.374835491	0.042694479	0.00083943	31.04829979	0.003796705	0.007996794	0.000240321	0.000573506	0.000228615	0.19834286	3.19588E-06	0.000501495	0.000483271	0.001506868	0.000829335
2051 Nov	0.001305327	0.058709398	7.9046E-06	2.938135147	5.400297642	0.042781085	0.000844577	31.26389503	0.003817663	0.008021329	0.000240809	0.00057603	0.000229763	0.199129209	3.20358E-06	0.000503749	0.000483497	0.001507835	0.000833139
2051 Dec	0.001306842	0.058733616	7.90798E-06	2.940081835	5.408707142	0.042834256	0.000845497	31.34321022	0.003825079	0.008024395	0.000241291	0.000576961	0.000230141	0.19935216	3.20473E-06	0.000504165	0.000483993	0.00150884	0.000834197
2052 Jan	0.001306947	0.05874088	7.9084E-06	2.940218449	5.409199238	0.042839229	0.000845549	31.3469162	0.00382545	0.008024875	0.000241324	0.000577004	0.00023016	0.199366614	3.20483E-06	0.000504185	0.000484043	0.001508918	0.000834242
2052 Feb	0.001307223	0.0587584	7.91005E-06	2.940824509	5.410347462	0.042850759	0.000845712	31.35297775	0.003826208	0.008026613	0.000241386	0.000577116	0.000230205	0.199409157	3.20546E-06	0.00050428	0.00048417	0.001509226	0.000834397
2052 Mar	0.001308468	0.058817133	7.91757E-06	2.943617344	5.415503979	0.042892918	0.000846509	31.38253784	0.003829825	0.008034281	0.000241621	0.00057766	0.000230422	0.199599326	3.20849E-06	0.000504755	0.000484644	0.001510658	0.000835181
2052 Apr	0.001311138	0.058938678	7.93372E-06	2.949618578	5.42655468	0.042981181	0.000848231	31.44639778	0.003837624	0.008050686	0.000242118	0.000578835	0.00023091	0.200006694	3.21502E-06	0.000505781	0.00048564	0.001513737	0.000836879
2052 May	0.00132154	0.060622629	8.01206E-06	2.967547894	5.466403961	0.04380662	0.000850688	31.55286217	0.003856136	0.008140788	0.000249201	0.000581279	0.000232133	0.201509878	3.23233E-06	0.00050687	0.000495352	0.001528307	0.000837898
2052 Jun	0.001295404	0.063743129	8.04119E-06	2.947146654	5.313220024	0.044340264	0.00082931	29.56473351	0.003690099	0.008291944	0.000255347	0.000562276	0.000224489	0.198229283	3.22902E-06	0.000496943	0.000506893	0.001535381	0.000805603
2052 Jul	0.001328205	0.065484352	8.26602E-06	3.002544165	5.441054344	0.045218114	0.00084701	30.47773933	0.003793369	0.008513519	0.000262043	0.000576419	0.000230085	0.202413097	3.29622E-06	0.000506074	0.00051698	0.001575756	0.000821558
2052 Aug	0.001361459	0.067064688	8.46386E-06	3.059554577	5.580385685	0.046238899	0.000866316	31.48024178	0.003902711	0.008701048	0.000269397	0.000590669	0.000236074	0.206941485	3.35795E-06	0.00051546	0.000527519	0.001610589	0.000839189
2052 Sep	0.001365234	0.067181304	8.47836E-06	3.048466921	5.601228237	0.046218753	0.000869023	31.83749008	0.003930036	0.008711249	0.000270591	0.000591941	0.00023697	0.206984311	3.34121E-06	0.000513654	0.00052646	0.001608655	0.000837975
2052 Oct	0.001376144	0.067337275	8.51134E-06	3.065747261	5.667158127	0.046555076	0.00087946	32.43795395	0.003987585	0.008753392	0.000273674	0.000599104	0.000239924	0.20878756	3.34581E-06	0.000518164	0.000529189	0.001613594	0.000846032
2052 Nov	0.001382154	0.067522883	8.53545E-06	3.076091528	5.696746349	0.046764176	0.000883216	32.67501831	0.004011665	0.008777346	0.000275275	0.00060233	0.000241227	0.2096885	3.35494E-06	0.000520109	0.000531325	0.001618969	0.000850027
2052 Dec	0.001383882	0.067548551	8.53899E-06	3.078266382	5.706486225	0.046825998	0.000884262	32.76771927	0.004020297	0.008780497	0.000275842	0.000603413	0.000241667	0.209944025	3.35616E-06	0.000520581	0.000531898	0.001620092	0.00085125

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.00138439	0.067559965	8.54019E-06	3.07893157	5.709282875	0.046845194	0.000884562	32.7934494	0.004022721	0.00878163	0.000276008	0.000603718	0.000241791	0.210019156	3.35656E-06	0.000520717	0.000532079	0.001620437	0.000851594
2053 Feb	0.001384941	0.067586556	8.54314E-06	3.080049515	5.711713791	0.046865676	0.0008849	32.80919647	0.004024502	0.008784673	0.000276138	0.000603971	0.000241893	0.210102677	3.3577E-06	0.000520907	0.000532302	0.001621021	0.00085193
2053 Mar	0.001386672	0.067672856	8.55381E-06	3.083895445	5.718857288	0.046925154	0.000886	32.85002136	0.004029517	0.00879567	0.000276487	0.000604723	0.000242194	0.210365549	3.36188E-06	0.000521555	0.000532976	0.001623043	0.000852988
2053 Apr	0.001392059	0.067936771	8.58703E-06	3.095872164	5.741074085	0.047107942	0.000889439	32.97751617	0.00404516	0.008829846	0.000277563	0.00060707	0.000243134	0.211182833	3.37493E-06	0.000523579	0.000535051	0.001629346	0.000856298
2053 May	0.001423695	0.071151607	8.69566E-06	3.14800334	5.930314541	0.049563091	0.000906109	34.29954147	0.004180992	0.00897378	0.000300495	0.000624723	0.000250767	0.216817006	3.3908E-06	0.000531627	0.000560454	0.001656101	0.000871019
2053 Jun	0.001341596	0.071298309	8.31193E-06	3.076301813	5.586196423	0.048911914	0.000870412	30.71662903	0.003848871	0.00884347	0.00029901	0.000585367	0.000235539	0.208149329	3.30602E-06	0.000516411	0.000553135	0.001587252	0.000815001
2053 Jul	0.001380907	0.072711654	8.5695E-06	3.189444542	5.754320145	0.050109562	0.000903869	31.57159996	0.003965803	0.009153288	0.000304611	0.000605454	0.000243186	0.214902282	3.43161E-06	0.000537342	0.000567159	0.00163961	0.000843635
2053 Aug	0.001454319	0.075941153	8.95784E-06	3.334847927	6.084175587	0.052708123	0.000950358	33.83115387	0.004215822	0.009553107	0.000322675	0.000640451	0.000257429	0.225968733	3.57786E-06	0.000562666	0.000594879	0.001716508	0.0008888
2053 Sep	0.001520299	0.07800553	9.21251E-06	3.446679831	6.414917946	0.055088699	0.000991678	36.51283646	0.004486357	0.00980907	0.000341429	0.000676428	0.000272032	0.235923424	3.67389E-06	0.000583719	0.000618878	0.001774543	0.000932485
2053 Oct	0.001548116	0.078511268	9.27711E-06	3.482167721	6.568522453	0.056076262	0.001008564	37.95410919	0.004621473	0.009870123	0.000350398	0.000693345	0.000278924	0.23999539	3.69533E-06	0.000591235	0.000628161	0.001793226	0.000951588
2053 Nov	0.001550142	0.078493081	9.2745E-06	3.480065107	6.581040382	0.056112446	0.001009564	38.12643814	0.004635193	0.009866945	0.000351118	0.000694586	0.000279481	0.240162775	3.69096E-06	0.000591036	0.000628335	0.001792883	0.000952455
2053 Dec	0.001551228	0.078508131	9.2765E-06	3.481311083	6.587221622	0.05615091	0.001010217	38.18663406	0.004640738	0.009868725	0.000351482	0.00069527	0.00027976	0.240320534	3.69156E-06	0.000591313	0.000628687	0.001793542	0.000953212
2054 Jan	0.001551537	0.078517444	9.2772E-06	3.481683254	6.588922501	0.056163475	0.001010392	38.20223618	0.004642198	0.009869438	0.000351587	0.000695448	0.000279833	0.24036552	3.69176E-06	0.000591387	0.000628806	0.00179374	0.000953406
2054 Feb	0.00155183	0.078535862	9.27879E-06	3.4822907 45	6.590219498	0.05617645	0.001010565	38.20992279	0.004643096	0.009871169	0.000351667	0.000695576	0.000279885	0.240411043	3.69235E-06	0.000591484	0.000628945	0.00179405	0.00095357
2054 Mar	0.001551959	0.078545064	9.27955E-06	3.482572079	6.590768337	0.056182403	0.00101064	38.21278	0.004643453	0.009872009	0.000351701	0.000695628	0.000279906	0.240431204	3.69264E-06	0.000591527	0.00062901	0.001794193	0.000953639
2054 Apr	0.001557399	0.07882186	9.31206E-06	3.494772673	6.613867283	0.056380033	0.001014177	38.3465271	0.004659711	0.009906618	0.000352937	0.000698062	0.000280886	0.24127394	3.70557E-06	0.000593597	0.000631221	0.001800477	0.000956975
2054 May	0.00157409	0.080471061	9.41958E-06	3.527498484	6.683115959	0.057312422	0.001021879	38.6768837	0.004702415	0.010024934	0.000360253	0.000704111	0.000283511	0.243783191	3.73828E-06	0.000597804	0.000641913	0.00182106	0.000963486
2054 Jun	0.001464874	0.081649274	9.05227E-06	3.316939592	6.184724808	0.055560078	0.000944824	34.51422119	0.004282829	0.009695623	0.000355556	0.000647149	0.000260498	0.227874294	3.51493E-06	0.00055434	0.000630353	0.001744145	0.000871696
2054 Jul	0.001435704	0.07955353	8.9864E-06	3.3057301 04	6.04654789	0.053916238	0.000943145	33.31681824	0.004176966	0.009679304	0.000341206	0.000636681	0.00025555	0.224489421	3.51842E-06	0.00055569	0.000612994	0.001727396	0.000859341
2054 Aug	0.001458776	0.080472425	9.12515E-06	3.34509635	6.150266647	0.054560784	0.000959676	34.12636948	0.004262567	0.009808966	0.000346155	0.00064715	0.000260182	0.227734357	3.55695E-06	0.000562755	0.000618335	0.001748659	0.000871595
2054 Sep	0.001469939	0.080701865	9.19255E-06	3.368564606	6.208228588	0.054815397	0.000971927	34.58905792	0.004311294	0.009876222	0.00034793	0.000653039	0.00026287	0.229573518	3.57436E-06	0.000567858	0.000619546	0.001756339	0.000878702
2054 Oct	0.001460984	0.079651274	9.13186E-06	3.366965055	6.177202702	0.054252245	0.000976661	34.34964752	0.004287392	0.009851352	0.000342982	0.000650022	0.000261822	0.228814542	3.56638E-06	0.000569841	0.000611761	0.001739794	0.000876578
2054 Nov	0.001457348	0.07917311	9.10529E-06	3.368157864	6.162696838	0.054002967	0.000978873	34.22131729	0.004275368	0.009844479	0.000340635	0.000648614	0.000261343	0.228519231	3.56711E-06	0.0005709	0.000608304	0.00173314	0.000875852
2054 Dec	0.001459724	0.079211943	9.1103E-06	3.371168852	6.176086426	0.054089215	0.000980323	34.34802628	0.004287203	0.009849119	0.000341427	0.0006501	0.000261947	0.228871167	3.56882E-06	0.00057155	0.000609108	0.001734702	0.000877523
2055 Jan	0.001460043	0.07921952	9.11081E-06	3.371501207	6.177917004	0.05410216	0.000980501	34.36568451	0.004288819	0.009849606	0.000341542	0.000650294	0.000262026	0.228917256	3.56894E-06	0.00057162	0.000609226	0.001734879	0.00087773
2055 Feb	0.001460101	0.079227358	9.11113E-06	3.371615171	6.178172112	0.054106671	0.000980524	34.36663055	0.004288949	0.009850005	0.000341565	0.00065031	0.000262034	0.228926703	3.56903E-06	0.000571632	0.000609273	0.001734935	0.000877746
2055 Mar	0.001460604	0.07925725	9.11425E-06	3.372766495	6.180300236	0.054126572	0.000980852	34.37815857	0.004290398	0.009853409	0.000341687	0.000650529	0.000262122	0.229005665	3.57023E-06	0.000571822	0.000609496	0.001735526	0.000878037
2055 Apr	0.001464598	0.079475455	9.13916E-06	3.381983042	6.197199821	0.054275297	0.000983529	34.47198868	0.004302113	0.009880356	0.000342624	0.000652304	0.000262838	0.229631901	3.57998E-06	0.000573382	0.000611169	0.001740268	0.000880432
2055 May	0.001482037	0.080410793	9.24672E-06	3.421944857	6.271430016	0.054921858	0.000995219	34.89146042	0.00435396	0.009996536	0.000346737	0.000660127	0.00026599	0.232364133	3.62209E-06	0.000580175	0.000618428	0.00176083	0.000890948
2055 Jun	0.001365722	0.073408142	8.76698E-06	3.285097599	5.738194942	0.049755991	0.000954028	30.84716034	0.003955482	0.009638722	0.000305599	0.000615013	0.000245454	0.216801703	3.54005E-06	0.000560989	0.000569753	0.001686982	0.000828719
2055 Jul	0.001345172	0.071415193	8.7458E-06	3.339899778	5.630505085	0.048484728	0.000969708	29.41377258	0.003850282	0.009743338	0.000291025	0.000608763	0.000242226	0.216013893	3.62831E-06	0.000574017	0.000556598	0.001686452	0.000825567
2055 Aug	0.00139449	0.073959447	9.05735E-06	3.448383093	5.837649345	0.050166287	0.001003075	30.65315247	0.004000293	0.010075663	0.000302001	0.000630766	0.000251167	0.2234914	3.74601E-06	0.00059251	0.000575148	0.001744543	0.000854046
2055 Sep	0.001402641	0.07416901	9.09026E-06	3.443603754	5.875268459	0.050281025	0.001006621	31.14128494	0.004040835	0.010091494	0.000303896	0.000633733	0.000252788	0.224068731	3.73895E-06	0.000591406	0.000575344	0.001747169	0.000855833
2055 Oct	0.001414447	0.074563816	9.13654E-06	3.458771229	5.931906223	0.050640792	0.001013876	31.63885689	0.004089144	0.0101407	0.000306987	0.000639576	0.000255237	0.225642279	3.75159E-06	0.000594258	0.000578998	0.001756327	0.000862386
2055 Nov	0.001421278	0.07471887	9.15586E-06	3.467535257	5.968158245	0.050872069	0.001018089	31.97303772	0.004120808	0.010160183	0.00030906	0.000643506	0.00025685	0.22661534	3.75758E-06	0.000596057	0.000581224	0.001761166	0.000866805
2055 Dec	0.001423483	0.074737929	9.15866E-06	3.469798088	5.981182098	0.050950967	0.001019403	32.10419083	0.004132709	0.010162366	0.000309835	0.000644958	0.000257442	0.226935238	3.75835E-06	0.000596595	0.000581927	0.001762365	0.00086839
2056 Jan	0.001423778	0.074754126	9.16002E-06	3.470307827	5.982563972	0.05096326	0.00101958	32.1140976	0.004133757	0.010163885	0.000309919	0.000645095	0.000257498	0.226978958	3.7588E-06	0.00059668	0.000582055	0.001762636	0.00086855
2056 Feb	0.001423959	0.074770011	9.16113E-06	3.470719099	5.983325481	0.050972849	0.001019685	32.11748123	0.004134214	0.010165185	0.000309971	0.000645163	0.000257526	0.22700794	3.75921E-06	0.00059674	0.000582159	0.001762842	0.000868634
2056 Mar	0.001424647	0.074809611	9.16553E-06	3.472380161	5.986217976	0.050999179	0.001020165	32.13262558	0.004136176	0.010170102	0.000310127	0.000645467	0.000257648	0.227117747	3.76099E-06	0.00059702	0.000582457	0.001763684	0.000869039
2056 Apr	0.001429397	0.075060993	9.19607E-06	3.483948946	6.006177902	0.051170178	0.001023559	32.23955154	0.004149947	0.010204015	0.000311165	0.000647614	0.000258505	0.227875069	3.77351E-06	0.000599006	0.000584408	0.001769559	0.000871928
2056 May	0.001439368	0.077803083	9.29675E-06	3.501622915	6.040384293	0.052390985	0.001023517	32.1441803	0.004153454	0.010323871	0.000322141	0.000647988	0.000259123	0.229391143	3.78804E-06	0.000598556	0.000598944	0.001786818	0.000868383
2056 Jun	0.001354495	0.078597791	8.87752E-06	3.399449825	5.683383942	0.051864859	0.000981509	28.57997704	0.003810913	0.010029586	0.000323668	0.000603743	0.000242744	0.21967648	3.66139E-06	0.000576689	0.000591155	0.001702153	0.00080462
2056 Jul	0.001406091	0.081037618	9.20403E-06	3.531199217	5.905419827	0.05361554	0.00102238	29.81647682	0.00396878	0.010404115	0.000334558	0.000628683	0.000252644	0.228091896	3.80566E-06	0.000600232	0.00061069	0.001766379	0.000836943
2056 Aug	0.001447388	0.083142251	9.44947E-06	3.608514309	6.082512379	0.054991383	0.001048326	31.03476715	0.004104991	0.010654732	0.000344752	0.00064707	0.000260312	0.233988151	3.88777E-06	0.000613276	0.000624997	0.001810798	0.000859059
2056 Sep	0.001484366	0.084793128	9.64169E-06	3.678596497	6.251011372	0.056279346	0.001073102	32.23566055	0.004235383	0.010862681	0.000354223	0.000664771	0.000267611	0.239489079	3.95706E-06	0.000625622	0.000638709	0.001848345	0.000880582
2056 Oct	0.001483664	0.084126212	9.56622E-06	3.641241074	6.262898445	0.056023132	0.001069362	32.79119492	0.0042673	0.010771237	0.000354634	0.000665398	0.00026814	0.238491982	3.90863E-06	0.000619815	0.000634824	0.001833823	0.000878454
2056 Nov	0.001487747	0.084120072	9.56617E-06	3.640410185	6.286887169	0.056122351	0.00107133	33.08486938	0.004291751	0.01076885	0.00035597	0.000667869	0.000269203	0.238919392	3.90436E-06	0.000619938	0.000635553	0.00183442	0.000880753
2056 Dec	0.001489509	0.084147424	9.56971E-06	3.642566919	6.296872616	0.056185964	0.001072411	33.18031311	0.004300632	0.010772162	0.000356562	0.000668976	0.000269654	0.239178598	3.90555E-06	0.00062041	0.000636143	0.001835552	0.000881989
2057 Jan	0.001489734	0.084163576	9.57111E-06	3.64304924	6.297802925	0.056195557	0.001072554	33.18520355	0.004301248	0.010773771	0.00035662	0.000669064	0.00026969	0.239212751	3.90605E-06	0.000620485	0.000636249	0.001835804	0.000882098
2057 Feb	0.001489879	0.084176563	9.572E-06	3.643382072	6.298418999	0.056203377	0.00107264	33.18792725	0.004301618	0.010774828	0.000356663	0.000669118	0.000269713	0.239236221	3.90638E-06	0.000620533	0.000636334	0.00183597	0.000882164
2057 Mar	0.001491196	0.084253572	9.58044E-06	3.64659071	6.30398798	0.056254331	0.001073578	33.21697998	0.004305393	0.010784356	0.000356983	0.000669704	0.000269949	0.239447773	3.9098E-06	0.000621075	0.000636909	0.001837585	0.000882933
2057 Apr	0.001496459	0.084552415	9.61424E-06	3.659453154	6.326236248	0.056453593	0.001077362	33.33404922	0.004320572	0.010822418	0.000358246	0.000672064	0.000270901	0.240292877	3.92359E-06	0.000623264	0.000639164	0.001844066	0.000886043
2057 May	0.001518165	0.086308196	9.7579E-06	3.708359718	6.41657877	0.057487108	0.001090468	33.76834106	0.004378413	0.010984501	0.000365762	0.000680785	0.000274544	0.243692145	3.97478E-06	0.000630647	0.000651018	0.001871472	0.000896393
2057 Jun	0.001403214	0.083254337	9.26419E-06	3.561282396	5.923757553	0.054477032	0.001041026	29.59435654	0.003967991	0.01053791	0.000345702	0.000630466	0.000253747	0.229353562	3.82448E-06	0.00060593	0.000621051	0.001777408	0.000824771
2057 Jul	0.001431803	0.08401867	9.45799E-06	3.665434361	6.053513527	0.055283755	0.001075218	30.1821785	0.004057535	0.010787212	0.000349116	0.000647297	0.000260142	0.234959021	3.94233E-06	0.000626301	0.000630191	0.00181883	0.000847203
2057 Aug	0.001525245	0.089096397	1.00341E-05	3.888129234	6.460674286	0.058827031	0.00114333	32.4845236	0.004344154	0.011433878	0.000372686	0.000690895	0.00027776	0.24997595	4.17667E-06	0.000664774	0.000669638	0.001930975	0.000902826
2057 Sep	0.001564992	0.090451799	1.01958E-05	3.953441143	6.658460617	0.060229354	0.001169428	34.10579681	0.00450728	0.011603281	0.000384093	0.000712132	0.000286497	0.255862325	4.23359E-06	0.000677035	0.000683763	0.001965981	0.000927521
2057 Oct	0.001582543	0.090369329	1.01917E-05	3.956492901	6.766559124	0.060753707	0.001178336	35.36329269	0.004614247	0.011587895	0.000390345	0.000723817	0.000291377	0.258004457	4.22117E-06	0.000678914	0.000687848	0.001970117	0.000939297
2057 Nov	0.001589814	0.090568729	1.02153E-05	3.967175245	6.804515839	0.061010782	0.001182991	35.69520187	0.004646541	0.01161267	0.000392557	0.00072794	0.000293064	0.259072274	4.22939E-06	0.00068103	0.000690384	0.001975814	0.000944006
2057 Dec	0.001591512	0.090604112	1.02197E-05	3.969522715	6.813848019	0.061072621	0.001184064	35.78044891	0.004654655	0.011617043	0.000393109	0.000728971	0.000293483	0.259325355	4.23097E-06	0.000681519	0.000690975	0.001977034	0.000945174
2058 Jan	0.001591959	0.090608567	1.022E-05	3.969884872	6.816569328	0.061090026	0.00118431	35.80857086	0.00465716	0.011617158	0.000393277	0.000729268	0.000293605	0.259389043	4.23097E-06	0.00068161	0.000691127	0.001977233	0.00094549
2058 Feb	0.001592123	0.090617262	1.02205E-05	3.970133066	6.817440987	0.06109824	0.001184401	35.81549835	0.004657846	0.011617726	0.000393337	0.000729355	0.00029364	0.259414375	4.23114E-06	0.000681652	0.000691208	0.001977357	0.000945585
2058 Mar	0.001592596	0.090644598	1.02233E-05	3.971246958	6.819531441	0.061117455	0.001184738	35.82731247	0.004659301	0.011620934	0.000393462	0.000729575	0.000293729	0.259490877	4.23229E-06	0.000681842	0.00069142	0.001977911	0.000945862
2058 Apr	0.001596136	0.090847328	1.0246E-05	3.980065346	6.834688663	0.061253916	0.001187366	35.90681458	0.004669644	0.011646757	0.000394339	0.000731193	0.000294381	0.260067612	4.24168E-06	0.000683354	0.000692963	0.001982303	0.000947959
2058 May	0.001631501	0.093618967	1.03242E-05	4.015441418	7.042467594	0.06360358	0.001202127	37.6652298	0.004835253	0.011728666	0.000417434	0.000750782	0.000302914	0.265468866	4.2441E-06	0.000688355	0.000716753	0.00200642	0.000964315
2058 Jun	0.001491123	0.088217407	9.34394E-06	3.837238073	6.543412685	0.060976885	0.001152943	33.71879959	0.004413048	0.010837784	0.000405508	0.000695024	0.000282339	0.250154585	3.99716E-06	0.000662194	0.00067631	0.001823837	0.000888339
2058 Jul	0.001519575	0.088517405	9.52515E-06	3.972443819	6.675169468	0.061719138	0.001197558	34.09869766	0.004492898	0.011102347	0.000406842	0.000712264	0.000289177	0.256711483	4.1481E-06	0.000689309	0.000682605	0.001861369	0.00091464
2058 Aug	0.001579623	0.091527835	9.85828E-06	4.102775097	6.948906422	0.063988142	0.001240649	35.87095261	0.00469631	0.011469267	0.000423368	0.000741369	0.000301148	0.266165793	4.27947E-06	0.000712243	0.000706486	0.001926629	0.0009509
2058 Sep	0.001588584	0.091412365	9.85811E-06	4.083720207	6.995644093	0.064003833	0.001242377	36.62553024	0.004753457	0.011449829	0.000425254	0.00074536	0.000303124	0.266441613	4.25388E-06	0.000709125	0.000705684	0.001924411	0.00095262
2058 Oct	0.001595535	0.091149107	9.8348E-06	4.063188553	7.037417889	0.064000562	0.001243076	37.34119415	0.004806117	0.011413085	0.000427058	0.000749189	0.000304902	0.26656726	4.22494E-06	0.00070606	0.000704861	0.001919796	0.000955115
2058 Nov	0.001600925	0.091323167	9.85455E-06	4.070774078	7.064307213	0.064180456	0.001246526	37.57373047	0.004828861	0.011434332	0.000428601	0.00075202	0.000306079	0.267325461	4.23111E-06	0.000707517	0.000706662	0.001924022	0.000958314
2058 Dec	0.001601813	0.091339976	9.85659E-06	4.071881771	7.069232941	0.064212114	0.001247079	37.6200943	0.004833209	0.011436353	0.000428893	0.000752561	0.0003063	0.267454743	4.23178E-06	0.000707754	0.000706959	0.001924612	0.000958917
2059 Jan	0.001602025	0.091344304	9.85676E-06	4.072023869	7.070491791	0.064220861	0.001247184	37.63302612	0.004834356	0.011436458	0.000428973	0.000752692	0.000306355	0.267483741	4.23176E-06	0.000707787	0.000707037	0.0019247	0.000959052
2059 Feb	0.001602111	0.091353685	9.85726E-06	4.072217941	7.070871353	0.064226463	0.001247232	37.63457489	0.004834568	0.011437076	0.000429003	0.000752722	0.000306368	0.267498076	4.23193E-06	0.000707813	0.000707096	0.001924791	0.000959086
2059 Mar	0.001602158	0.091358773	9.85753E-06	4.072321415	7.071072102	0.064229481	0.001247257	37.63536835	0.004834679	0.011437409	0.00042902	0.000752738	0.000306374	0.267505735	4.23203E-06	0.000707826	0.000707128	0.00192484	0.000959103
2059 Apr	0.001606304	0.091596596	9.88303E-06	4.082852364	7.089369297	0.064396359	0.001250479	37.73259735	0.004847175	0.011467009	0.000430132	0.000754682	0.000307166	0.268197924	4.24296E-06	0.000709654	0.000708964	0.001929817	0.000961579
2059 May	0.001624274	0.09380506	9.99379E-06	4.117783546	7.17176342	0.065661736	0.001259048	38.12243652	0.004896801	0.01159386	0.000441014	0.000761497	0.000310246	0.271089822	4.27203E-06	0.000713882	0.000723112	0.001951426	0.000967089
2059 Jun	0.001585552	0.095646769	9.8773E-06	4.115401268	7.023016453	0.066145688	0.001251371	36.07393646	0.004724073	0.01152178	0.000447083	0.000742408	0.000303274	0.268452108	4.24371E-06	0.00071223	0.000727398	0.001922029	0.000937618
2059 Jul	0.001674457	0.100746289	1.04259E-05	4.341252327	7.420067787	0.06973774	0.001321431	38.23122406	0.0049989	0.012153973	0.000471638	0.000785233	0.00032059	0.283351243	4.47785E-06	0.000751722	0.000767292	0.002030823	0.000990582
2059 Aug	0.001758198	0.105448522	1.09185E-05	4.543885231	7.798505783	0.073135637	0.001385356	40.40122986	0.005265064	0.012717929	0.00049547	0.000825335	0.000337023	0.297180831	4.68346E-06	0.00078709	0.000804005	0.002127532	0.001040221
2059 Sep	0.001784638	0.106539309	1.10423E-05	4.583728313	7.921393871	0.073989525	0.00140255	41.39445877	0.005365922	0.012849062	0.000502429	0.000837809	0.000342326	0.300825745	4.72047E-06	0.000794187	0.000812711	0.002150624	0.001054365
2059 Oct	0.001729798	0.102872916	1.06752E-05	4.38013792	7.657322884	0.070952132	0.001351328	40.52930069	0.005212716	0.01240865	0.00048323	0.000807071	0.000330402	0.289166778	4.51311E-06	0.000758126	0.000779648	0.002068418	0.001012871
2059 Nov	0.00173156	0.102713764	1.0662E-05	4.368918419	7.667953968	0.070887871	0.001350721	40.77770996	0.005229435	0.012389432	0.000483446	0.000807905	0.000330836	0.28900212	4.49916E-06	0.00075633	0.000778691	0.002065453	0.00101307

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.001732756	0.10272564	1.06637E-05	4.370120049	7.674950123	0.070930362	0.001351433	40.84795761	0.005235826	0.012390781	0.000483862	0.000808681	0.000331153	0.289173335	4.49961E-06	0.000756614	0.000779073	0.002066113	0.001013921
2060 Jan	0.001732982	0.102742188	1.0665E-05	4.370613098	7.675924778	0.070940532	0.001351586	40.85320663	0.005236476	0.012392367	0.000483927	0.000808773	0.000331191	0.289208651	4.5001E-06	0.000756693	0.000779183	0.002066358	0.00101403
2060 Feb	0.001733217	0.102760859	1.06665E-05	4.371180534	7.676960945	0.070952408	0.001351749	40.858181	0.005237131	0.012394057	0.000484	0.000808871	0.000331232	0.289247841	4.50066E-06	0.000756783	0.000779311	0.002066626	0.001014148
2060 Mar	0.001733997	0.102809668	1.06712E-05	4.373134136	7.680412292	0.070985563	0.001352346	40.87625885	0.005239458	0.012399639	0.000484222	0.000809229	0.000331379	0.289377928	4.50265E-06	0.000757116	0.000779674	0.00206755	0.001014593
2060 Apr	0.001740344	0.103186823	1.07102E-05	4.389116287	7.708539486	0.07124602	0.001357287	41.02610779	0.005258645	0.012444954	0.000485997	0.000812189	0.000332592	0.290436834	4.5191E-06	0.000759881	0.000782533	0.002075106	0.001018303
2060 May	0.001738647	0.106571168	1.07284E-05	4.357405663	7.695271492	0.072610706	0.001339975	40.70124054	0.005225977	0.012459739	0.000501162	0.000805248	0.000330588	0.289653152	4.47477E-06	0.000748494	0.000798995	0.002077569	0.001001136
2060 Jun	0.001603453	0.10102237	1.00253E-05	4.237322807	7.107117176	0.068729199	0.001294891	35.36546707	0.004710918	0.011819297	0.000470256	0.000743046	0.000306303	0.274261117	4.35713E-06	0.000730349	0.000751009	0.001938231	0.000928539
2060 Jul	0.001683172	0.105382234	1.05267E-05	4.471498013	7.464534283	0.071922339	0.001368399	37.07162094	0.004947775	0.012422492	0.000490778	0.000782255	0.000322265	0.288563043	4.60317E-06	0.000772436	0.00078542	0.002037125	0.00097868
2060 Aug	0.001724164	0.107546128	1.07688E-05	4.551437855	7.6461339	0.073386125	0.001396927	38.30337524	0.005086115	0.012672579	0.00050179	0.000800647	0.000330161	0.294642597	4.68551E-06	0.000785925	0.000800221	0.002080361	0.001000143
2060 Sep	0.001677998	0.103988737	1.04923E-05	4.390682697	7.436087608	0.070757121	0.001358757	37.69565201	0.004972458	0.012284623	0.000484485	0.00077678	0.000321213	0.28535378	4.51991E-06	0.000758145	0.000769055	0.002013238	0.000968144
2060 Oct	0.001673733	0.102109626	1.04095E-05	4.418728352	7.463423252	0.070292614	0.001379849	37.96813202	0.005000673	0.012214857	0.000480336	0.000781946	0.000323396	0.286509335	4.52464E-06	0.000769089	0.000759866	0.001993711	0.000976445
2060 Nov	0.001670531	0.101390533	1.03759E-05	4.427802563	7.464465618	0.070066169	0.001386818	37.97658157	0.005002775	0.012186402	0.000478269	0.000782872	0.000323802	0.286721766	4.52598E-06	0.000772837	0.000755952	0.001985545	0.000978431
2060 Dec	0.001673059	0.101424962	1.03802E-05	4.43075943	7.479084492	0.070158944	0.001388385	38.11822128	0.005015878	0.012190378	0.000479148	0.000784494	0.000324463	0.287094027	4.52746E-06	0.000773503	0.0007568	0.001987079	0.000980232
2061 Jan	0.001673569	0.101431057	1.03806E-05	4.431171417	7.482145309	0.070178702	0.00138866	38.1496315	0.005018688	0.012190627	0.000479335	0.000784827	0.000324599	0.287165821	4.5275E-06	0.000773604	0.000756976	0.00198732	0.000980589
2061 Feb	0.001673694	0.101439849	1.0381E-05	4.431354046	7.48281002	0.070186004	0.001388723	38.15463257	0.005019186	0.012191071	0.000479385	0.000784888	0.000324625	0.287185282	4.52761E-06	0.000773631	0.000757047	0.001987408	0.000980653
2061 Mar	0.001674113	0.101466998	1.03835E-05	4.432415009	7.484702587	0.070204757	0.001389053	38.16451263	0.005020452	0.012194004	0.00047951	0.000785081	0.000324705	0.287256449	4.52867E-06	0.000773813	0.000757247	0.001987886	0.000980889
2061 Apr	0.001679832	0.101815261	1.0419E-05	4.447549343	7.51027298	0.070445374	0.001393791	38.29472351	0.005037587	0.012235668	0.000481151	0.000787759	0.000325813	0.28823781	4.54412E-06	0.000776452	0.000759842	0.001994674	0.000984234
2061 May	0.001675829	0.103208825	1.03573E-05	4.467524529	7.510434151	0.071414337	0.001396532	37.8982048	0.005009515	0.012213316	0.00049067	0.000785103	0.000325584	0.289062858	4.55365E-06	0.000778356	0.000768124	0.001986985	0.000978099
2061 Jun	0.001512042	0.092129841	9.3313E-06	4.348639011	6.833997726	0.06550359	0.001360684	32.19581985	0.004448191	0.011256529	0.000441942	0.000720391	0.00029985	0.27135092	4.44702E-06	0.000767726	0.000693125	0.001802966	0.000908805
2061 Jul	0.001585173	0.095834762	9.77898E-06	4.574919701	7.170566559	0.068391763	0.001434283	33.81265259	0.004673252	0.011796989	0.000460632	0.000757938	0.000315222	0.284920335	4.68278E-06	0.000809449	0.000723087	0.001891725	0.000956316
2061 Aug	0.001666113	0.100311667	1.02423E-05	4.787302971	7.544860363	0.071759336	0.001503475	35.8754921	0.004932349	0.012342656	0.000484407	0.000797614	0.000331732	0.298927426	4.8961E-06	0.000847359	0.000758036	0.001982507	0.001005215
2061 Sep	0.001696376	0.101257429	1.03532E-05	4.832582474	7.69934845	0.072813742	0.001523819	37.20035553	0.005062851	0.012456615	0.000493446	0.00081395	0.000338587	0.303331256	4.93319E-06	0.00085607	0.000768129	0.002006399	0.001023676
2061 Oct	0.001658285	0.098045498	1.00416E-05	4.642983913	7.52409935	0.070449546	0.001475901	37.18890762	0.004989092	0.012057855	0.000479894	0.000793636	0.000330484	0.293865621	4.73382E-06	0.000822512	0.000743038	0.00194158	0.000994705
2061 Nov	0.001651152	0.097291753	9.97033E-06	4.594789028	7.491172791	0.069894463	0.001464785	37.31914139	0.004981806	0.011963881	0.000476991	0.000789555	0.000328904	0.291682333	4.68252E-06	0.000813996	0.00073712	0.001926313	0.00098839
2061 Dec	0.00165296	0.097314939	9.97331E-06	4.59682703	7.501637459	0.069960006	0.001465902	37.42137146	0.00499123	0.011966582	0.000477617	0.000790714	0.000329377	0.291946083	4.68351E-06	0.00081446	0.000737716	0.001927383	0.000989674
2062 Jan	0.001653848	0.097325534	9.97429E-06	4.597671986	7.506922722	0.06999395	0.00146641	37.4744873	0.004996042	0.011967327	0.000477939	0.000791294	0.000329614	0.292073905	4.68375E-06	0.00081466	0.000738021	0.001927848	0.000990308
2062 Feb	0.001654205	0.097343184	9.97559E-06	4.598334789	7.508776188	0.070010617	0.001466652	37.48825073	0.004997469	0.011968838	0.000478063	0.000791484	0.000329692	0.292131484	4.68429E-06	0.000814779	0.000738185	0.001928146	0.000990523
2062 Mar	0.001655931	0.097446084	9.98584E-06	4.603059769	7.51665163	0.070084862	0.00146816	37.52819443	0.005002726	0.011981135	0.000478568	0.000792309	0.000330036	0.292435169	4.68907E-06	0.000815613	0.000738965	0.001930133	0.000991549
2062 Apr	0.001662054	0.09780807	1.00228E-05	4.62006855	7.544442654	0.070344791	0.00147358	37.66677475	0.005021206	0.012025441	0.00048034	0.000795234	0.000331255	0.293516368	4.70638E-06	0.000818623	0.000741706	0.001937266	0.000995209
2062 May	0.001679479	0.098824143	1.01269E-05	4.668156147	7.623820782	0.071081571	0.001488969	38.06894684	0.005074321	0.012150252	0.000485392	0.000803607	0.000334742	0.296587557	4.75523E-06	0.000827156	0.000749462	0.001957452	0.001005667
2062 Jun	0.001558286	0.091696568	9.71853E-06	4.530991554	7.065162659	0.065545604	0.0014445	33.72794342	0.004654846	0.011640248	0.000439474	0.000757054	0.000312984	0.280610889	4.65661E-06	0.000809532	0.000697615	0.001884801	0.000944731
2062 Jul	0.00151292	0.087592542	9.5776E-06	4.567759514	6.869137287	0.063099392	0.00145953	31.71681976	0.004492559	0.01150142	0.000416085	0.000745322	0.000307013	0.277278244	4.72052E-06	0.000823149	0.000671115	0.001862601	0.00093282
2062 Aug	0.001533255	0.08846461	9.6951E-06	4.577944756	6.953524113	0.063539542	0.001467701	32.57932663	0.004573035	0.011585351	0.000420688	0.000753103	0.000310662	0.279230386	4.73297E-06	0.000824189	0.000674368	0.001878818	0.000940226
2062 Sep	0.001530183	0.086819224	9.63093E-06	4.62082386	6.985797882	0.063204169	0.001493915	32.74887466	0.004598185	0.011525981	0.000417241	0.000758028	0.000313139	0.280976683	4.75132E-06	0.000837681	0.000665154	0.001859242	0.000948636
2062 Oct	0.001450033	0.078167386	8.99651E-06	4.563513756	6.666966438	0.058847904	0.001499423	30.45214462	0.004356243	0.010936738	0.000380491	0.000726503	0.000301876	0.272251695	4.68229E-06	0.00083907	0.000604911	0.001725237	0.000922391
2062 Nov	0.001454365	0.078193985	9.0109E-06	4.575016975	6.687749386	0.058926176	0.001505107	30.5982914	0.004372559	0.010957879	0.000380976	0.000728641	0.000302868	0.272989333	4.69342E-06	0.000841543	0.000605202	0.001727207	0.000925207
2062 Dec	0.001456435	0.078217149	9.0141E-06	4.577393532	6.699839592	0.05900136	0.001506413	30.71652222	0.004383464	0.010960743	0.000381694	0.000729986	0.000303417	0.273294181	4.69457E-06	0.00084209	0.000605881	0.001728419	0.000926703
2063 Jan	0.001457132	0.078227125	9.01503E-06	4.578103542	6.703939438	0.059028145	0.00150682	30.75703812	0.004387164	0.010961524	0.000381944	0.000730435	0.0003036	0.273395151	4.69484E-06	0.000842253	0.000606123	0.001728802	0.000927195
2063 Feb	0.0014574	0.078241125	9.01611E-06	4.578677654	6.705312252	0.059040748	0.001507024	30.7664299	0.004388185	0.010962814	0.000382032	0.000730576	0.000303659	0.273440331	4.69533E-06	0.000842357	0.000606247	0.001729039	0.000927357
2063 Mar	0.001457749	0.078262404	9.01825E-06	4.579751492	6.706915379	0.059056077	0.001507371	30.77357674	0.00438921	0.010965439	0.000382128	0.000730745	0.000303729	0.273505479	4.69642E-06	0.00084255	0.000606404	0.001729447	0.000927568
2063 Apr	0.001460622	0.078418061	9.03601E-06	4.588761806	6.720127106	0.059173103	0.001510332	30.83406383	0.004397842	0.010987044	0.000382884	0.000732181	0.000304326	0.274044156	4.70565E-06	0.000844204	0.000607606	0.001732851	0.00092939
2063 May	0.001467974	0.080412187	9.10104E-06	4.617462635	6.747022152	0.060166258	0.001514469	30.64236259	0.004394646	0.011074725	0.000391268	0.000732672	0.000305009	0.275679469	4.7333E-06	0.000846833	0.000618489	0.001744988	0.000927932
2063 Jun	0.001334887	0.076056764	8.35497E-06	4.515481949	6.187342644	0.057390999	0.00146564	25.34022713	0.00389385	0.010312841	0.000371947	0.000675243	0.000282289	0.26153478	4.62948E-06	0.000829755	0.000584183	0.001620114	0.000854181
2063 Jul	0.001347845	0.074927457	8.42754E-06	4.640313625	6.278541088	0.057547387	0.001511884	25.52557564	0.003952978	0.010414632	0.000369982	0.000691062	0.000288257	0.266786039	4.76035E-06	0.00085793	0.0005832	0.001641807	0.000875645
2063 Aug	0.001415523	0.07831414	8.8144E-06	4.841847897	6.59941721	0.060286786	0.001580389	27.19706345	0.004173136	0.010873954	0.000388869	0.000726095	0.000302911	0.279291868	4.96346E-06	0.000895345	0.000610397	0.001717703	0.000918729
2063 Sep	0.001441271	0.078941889	8.9039E-06	4.863257885	6.729730606	0.061039936	0.001594439	28.49133873	0.004292661	0.010945741	0.000396017	0.000739388	0.000308664	0.282473356	4.97791E-06	0.000899437	0.000617028	0.001735125	0.000933004
2063 Oct	0.00144179	0.078081712	8.82858E-06	4.817228794	6.749006271	0.060732618	0.001587773	29.21306419	0.004335782	0.010841898	0.000395839	0.00074949	0.0003094	0.281352848	4.91789E-06	0.000892358	0.00061283	0.001720247	0.000933194
2063 Nov	0.001447361	0.078103021	8.83926E-06	4.827156067	6.782699108	0.060911056	0.001593194	29.51899719	0.004365171	0.01085335	0.000397462	0.000744702	0.000310963	0.282294601	4.92347E-06	0.000894785	0.000614171	0.001722859	0.000937546
2063 Dec	0.001449484	0.078148536	8.84485E-06	4.830659866	6.79449749	0.060990743	0.001594767	29.62178993	0.004375216	0.010859362	0.000398161	0.000746009	0.0003115	0.282629728	4.92606E-06	0.000895517	0.000614913	0.0017244	0.000939037
2064 Jan	0.00145051	0.07815861	8.84588E-06	4.831600666	6.800635538	0.061029468	0.001595353	29.68401527	0.00438084	0.010860079	0.000398534	0.000746686	0.000311776	0.282776535	4.92631E-06	0.000895745	0.000615259	0.001724928	0.000939779
2064 Feb	0.001450994	0.078177661	8.84753E-06	4.832584858	6.803226948	0.06105075	0.001595731	29.70352936	0.004382874	0.010862009	0.000398696	0.000746963	0.00031189	0.282857865	4.92712E-06	0.000895934	0.000615463	0.001725327	0.000940097
2064 Mar	0.001452759	0.078273363	8.85806E-06	4.838336468	6.811554432	0.061125997	0.001597635	29.74116325	0.004388285	0.010874929	0.000399189	0.000747872	0.00031227	0.28319934	4.93294E-06	0.000896998	0.00061622	0.001727392	0.000941233
2064 Apr	0.001455915	0.07844463	8.87727E-06	4.848819256	6.82635498	0.061259422	0.001601093	29.80584908	0.004397815	0.010898517	0.000400059	0.000749493	0.000312947	0.283814013	4.94362E-06	0.000898939	0.000617565	0.001731137	0.000943272
2064 May	0.001472473	0.080812775	8.9388E-06	4.905032635	6.935185432	0.063019417	0.001618098	30.24728966	0.00445877	0.010975381	0.000415839	0.000759024	0.000317421	0.287924498	4.97451E-06	0.000908425	0.000634612	0.001745082	0.000951006
2064 Jun	0.001408374	0.07984148	8.53269E-06	4.904977322	6.724804878	0.062902331	0.001612714	27.71447372	0.004236291	0.010561137	0.000417944	0.000736079	0.00030915	0.283976495	4.93042E-06	0.000911273	0.000626564	0.001673229	0.000919021
2064 Jul	0.00145793	0.08238402	8.83767E-06	5.052083969	6.955499649	0.064805448	0.001662878	28.92612076	0.004397987	0.010905989	0.000431341	0.00076222	0.000319836	0.292974323	5.08335E-06	0.000938714	0.000646233	0.001733693	0.000949581
2064 Aug	0.001489571	0.08382912	9.00505E-06	5.107888222	7.10020113	0.065841354	0.00168497	30.02583694	0.004515284	0.011069403	0.000440035	0.00077729	0.000326295	0.297506154	5.13937E-06	0.00094875	0.000655767	0.001763299	0.000966384
2064 Sep	0.001495807	0.082551241	8.97094E-06	5.101915836	7.172443867	0.06564299	0.001698232	31.07067871	0.004601101	0.010982431	0.00044006	0.000785624	0.000330051	0.298559994	5.10595E-06	0.000951821	0.000649612	0.001750459	0.000975213
2064 Oct	0.00152192	0.082696028	9.03093E-06	5.163752556	7.334780693	0.066566758	0.00172817	32.41365814	0.004737175	0.011048354	0.000447957	0.000804225	0.000337741	0.303525239	5.1464E-06	0.000966421	0.00065662	0.001764976	0.00099704
2064 Nov	0.001532108	0.082961462	9.06192E-06	5.183895111	7.391053677	0.066969179	0.001736544	32.86820602	0.004783374	0.011083012	0.00045135	0.000810478	0.000340314	0.305232078	5.16255E-06	0.000970539	0.000660369	0.001773	0.001004253
2064 Dec	0.001533387	0.08298783	9.0651E-06	5.185955048	7.398237705	0.067017563	0.001737489	32.93148804	0.004789523	0.011086375	0.00045178	0.000811273	0.000340641	0.30543375	5.16403E-06	0.000970974	0.000660816	0.0017739	0.001005155
2065 Jan	0.00153406	0.082993768	9.06572E-06	5.186545849	7.402282715	0.067042872	0.001737869	32.97280502	0.004793246	0.011086774	0.000452025	0.00081172	0.000340823	0.305529505	5.16416E-06	0.00097112	0.000661041	0.001774241	0.001005645
2065 Feb	0.001534512	0.083011456	9.06738E-06	5.187558651	7.404697418	0.067062557	0.001738254	32.99021912	0.004795113	0.011088712	0.000452176	0.000811981	0.000340931	0.305608034	5.16502E-06	0.000971316	0.000661229	0.001774629	0.001005947
2065 Mar	0.001536514	0.083120868	9.07915E-06	5.194282055	7.414366722	0.067150705	0.001740505	33.03354263	0.004801377	0.011103109	0.000452769	0.000813038	0.000341375	0.306005806	5.1717E-06	0.000972572	0.000662098	0.001776934	0.001007253
2065 Apr	0.001542309	0.08343526	9.11338E-06	5.213860035	7.442323208	0.067404352	0.001747063	33.15802002	0.004819472	0.011144981	0.000454478	0.000816101	0.000342661	0.307159543	5.19119E-06	0.000976236	0.000664599	0.001783633	0.001011047
2065 May	0.001567219	0.086301476	9.21666E-06	5.244140148	7.571966171	0.069270201	0.001755147	34.03781891	0.004910405	0.011253054	0.000471931	0.00082703	0.000347583	0.310912102	5.20419E-06	0.000979089	0.000684813	0.001807169	0.001019084
2065 Jun	0.001474604	0.083649293	8.8056E-06	5.140636921	7.129323483	0.066652507	0.001707682	30.02615547	0.004524516	0.010818734	0.000451213	0.00078023	0.000328619	0.299075097	5.1186E-06	0.000959143	0.000657794	0.001730289	0.000961283
2065 Jul	0.001550823	0.08695776	9.25487E-06	5.437656879	7.509306908	0.069790363	0.001809307	31.60485649	0.004770213	0.011370759	0.000471113	0.000824707	0.000346983	0.315508425	5.41937E-06	0.001016901	0.000687716	0.001822638	0.001016654
2065 Aug	0.001625284	0.090566307	9.65251E-06	5.653428555	7.875452042	0.072893068	0.001885273	33.65474319	0.005028067	0.011833186	0.0004936	0.000864486	0.000363766	0.329329729	5.62964E-06	0.001057432	0.000717641	0.00190164	0.001064263
2065 Sep	0.001603272	0.088468872	9.45901E-06	5.478010654	7.760624409	0.071141869	0.001838426	34.08799362	0.005000419	0.011552259	0.000484046	0.000849616	0.000357846	0.321605295	5.44851E-06	0.001024638	0.000700089	0.001857441	0.001043241
2065 Oct	0.001553331	0.08359655	9.14071E-06	5.386237621	7.568385601	0.068175577	0.001829114	33.17756653	0.00488064	0.011180802	0.000461125	0.000830652	0.000350333	0.314614147	5.32521E-06	0.001016313	0.00066364	0.001777575	0.001022897
2065 Nov	0.001552838	0.083068117	9.12243E-06	5.392875671	7.569810867	0.067947589	0.001834862	33.20587158	0.004883776	0.011166031	0.000459034	0.000831059	0.000350639	0.314769596	5.33042E-06	0.001018748	0.000660086	0.001772263	0.001024196
2065 Dec	0.001553769	0.0830836	9.12437E-06	5.394045353	7.575066566	0.067980818	0.00183548	33.25553513	0.004888438	0.011167937	0.000459344	0.000831635	0.000350877	0.314906418	5.33113E-06	0.001019005	0.000660391	0.001772848	0.00102484
2066 Jan	0.00155492	0.083096482	9.12571E-06	5.395179749	7.581904411	0.068024397	0.001836158	33.32386398	0.00489466	0.011168988	0.000459759	0.000832389	0.000351184	0.315072536	5.33153E-06	0.001019274	0.000660782	0.001773464	0.001025671
2066 Feb	0.001555683	0.08313632	9.12954E-06	5.39744997	7.585752964	0.068059161	0.00183695	33.34477997	0.004897308	0.011173639	0.00046	0.000832802	0.000351358	0.315218538	5.33367E-06	0.001019701	0.000661118	0.001774245	0.001026163
2066 Mar	0.001558758	0.083303526	9.14758E-06	5.408088684	7.600738525	0.068194963	0.001840562	33.41041946	0.004906956	0.011195735	0.000460914	0.00083444	0.000352049	0.315841019	5.34417E-06	0.001021705	0.000662438	0.001777746	0.001028179
2066 Apr	0.001562779	0.083520032	9.17117E-06	5.422020912	7.620339394	0.068371587	0.001845299	33.4964447	0.004919595	0.011224618	0.000462105	0.000836588	0.000352956	0.316655338	5.35793E-06	0.001024334	0.000664154	0.001782329	0.001030824
2066 May	0.001578132	0.084652975	9.26707E-06	5.471353054	7.692108631	0.069144428	0.001861103	33.78312302	0.004963556	0.011340405	0.000467703	0.000843953	0.000356126	0.319629401	5.40671E-06	0.001033038	0.000672101	0.001800681	0.001039375
2066 Jun	0.001452155	0.079807818	8.78339E-06	5.267964363	7.05525589	0.064400427	0.00177479	28.76010704	0.004458779	0.010755707	0.000429908	0.000781528	0.000329011	0.30064556	5.25786E-06	0.00099394	0.000629961	0.001719075	0.000959739
2066 Jul	0.001528674	0.082877301	9.24744E-06	5.574558735	7.439296246	0.06740585	0.001880987	30.37866211	0.00471244	0.011304487	0.000448928	0.000828115	0.000347961	0.31734243	5.57186E-06	0.001054304	0.000658959	0.001816785	0.001016052
2066 Aug	0.001604071	0.086448275	9.65399E-06	5.800830841	7.810810566	0.070494749	0.001961225	32.41951752	0.004973424	0.011776505	0.000471208	0.000868977	0.000365146	0.331549495	5.79342E-06	0.001097282	0.000688576	0.001897531	0.001064768
2066 Sep	0.00162356	0.08684285	9.70647E-06	5.800598145	7.906438828	0.070953421	0.001967957	33.51318359	0.005067622	0.011817099	0.000476226	0.000878312	0.000369176	0.333384871	5.78738E-06	0.001097305	0.000692934	0.00190754	0.001074438
2066 Oct	0.001619108	0.085734472	9.58574E-06	5.68119812	7.88187027	0.070148893	0.001937646	34.38859177	0.005098193	0.011646534	0.000473596	0.000873546	0.000367293	0.32918644	5.66025E-06	0.001074823	0.000685384	0.001882991	0.001066096

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.001618291	0.085474409	9.55739E-06	5.651149273	7.8765769	0.06994956	0.001930117	34.61793518	0.005106704	0.011605811	0.000472963	0.000872398	0.000366848	0.328147769	5.62837E-06	0.001069141	0.000683536	0.001877043	0.00106404
2066 Dec	0.001620461	0.085526749	9.56366E-06	5.655122757	7.88856554	0.070032306	0.001931858	34.71814728	0.005116727	0.011612646	0.000473677	0.000873725	0.000367395	0.328500748	5.63149E-06	0.001069964	0.000684305	0.001878683	0.001065555
2067 Jan	0.001621288	0.085543185	9.56525E-06	5.656208515	7.893314362	0.070064694	0.001932404	34.76223755	0.005120884	0.01161423	0.000473966	0.000874244	0.000367608	0.328625798	5.63213E-06	0.001070198	0.000684602	0.001879201	0.001066132
2067 Feb	0.001621968	0.085579693	9.56875E-06	5.658269405	7.896717548	0.070095763	0.001933119	34.78022003	0.005123205	0.01161846	0.00047418	0.000874609	0.000367761	0.328756481	5.6341E-06	0.001070583	0.000684904	0.001879914	0.001066565
2067 Mar	0.001623595	0.085668452	9.57834E-06	5.663912773	7.90462923	0.070167363	0.001935038	34.81482315	0.00512831	0.011630121	0.00047466	0.000875478	0.000368127	0.329085559	5.6397E-06	0.001071646	0.000685605	0.001881793	0.001067622
2067 Apr	0.00162713	0.085856609	9.59918E-06	5.676223278	7.921830654	0.070320845	0.001939239	34.89044571	0.005139454	0.011655442	0.000475695	0.00087738	0.000368927	0.329801559	5.65195E-06	0.001073972	0.000687105	0.001885886	0.001069939
2067 May	0.001641388	0.089110009	9.72695E-06	5.687705994	7.967134953	0.07174138	0.001935611	34.91812134	0.005152671	0.011795302	0.00048852	0.000878203	0.000369737	0.331410944	5.66235E-06	0.001071203	0.000704611	0.001908462	0.001066498
2067 Jun	0.001566371	0.089947887	9.46354E-06	5.565193653	7.621951103	0.070864126	0.001878232	31.70455551	0.004838895	0.01147036	0.000484811	0.000837693	0.000353388	0.321385443	5.51821E-06	0.001044906	0.000698259	0.001850067	0.001010696
2067 Jul	0.001658079	0.094606258	9.98847E-06	5.867544174	8.075070381	0.07477238	0.001983149	33.94174194	0.005146202	0.012086597	0.00051242	0.000888571	0.000374538	0.339510113	5.81718E-06	0.001102485	0.000736863	0.001956212	0.001070758
2067 Aug	0.001715027	0.097246781	1.02792E-05	5.997382164	8.348495483	0.076894559	0.00203176	35.78597641	0.005355444	0.012395844	0.000529376	0.000917936	0.00038694	0.348820806	5.94372E-06	0.001126795	0.000756919	0.002011927	0.001104219
2067 Sep	0.001738311	0.097889125	1.0363E-05	6.017244816	8.462930679	0.07755778	0.002044637	36.90051651	0.005459166	0.012471759	0.000535568	0.000929478	0.00039192	0.351645321	5.95867E-06	0.001130557	0.000763109	0.002027897	0.001116768
2067 Oct	0.001702497	0.095534198	1.01163E-05	5.802185059	8.265002251	0.075251952	0.001981041	36.71362686	0.005364213	0.012149057	0.000521366	0.000905028	0.000381914	0.341129929	5.74477E-06	0.001089374	0.000741479	0.001971885	0.001085252
2067 Nov	0.001703118	0.095278285	1.01021E-05	5.793472767	8.273208618	0.075149424	0.001981423	36.91303253	0.005377848	0.012127434	0.000521019	0.000905803	0.000382278	0.340990692	5.73118E-06	0.001088464	0.000739983	0.001967787	0.0010859
2067 Dec	0.00170544	0.095342301	1.01094E-05	5.797996998	8.285918236	0.075239673	0.001983353	37.0156517	0.005388299	0.012135504	0.000521786	0.000907205	0.000382858	0.341375023	5.73485E-06	0.001089388	0.000740826	0.001969612	0.001087501
2068 Jan	0.001706598	0.095364466	1.01117E-05	5.799527645	8.292582512	0.075284839	0.001984126	37.07753754	0.00539414	0.012137692	0.000522193	0.000907936	0.000383157	0.341550499	5.73576E-06	0.00108972	0.000741241	0.00197034	0.001088314
2068 Feb	0.001707191	0.095396973	1.01145E-05	5.801172733	8.295589447	0.075312585	0.001984705	37.09480667	0.005396247	0.012141103	0.000522389	0.000908253	0.000383291	0.341660768	5.73728E-06	0.001090026	0.000741511	0.001970932	0.001088682
2068 Mar	0.001710188	0.095567524	1.01323E-05	5.811321735	8.310138702	0.075446166	0.001988168	37.15960312	0.005405681	0.012162424	0.00052331	0.000909839	0.00038396	0.342259794	5.7473E-06	0.001091927	0.000742827	0.001974385	0.001090579
2068 Apr	0.001722168	0.096238695	1.02032E-05	5.85201025	8.368344307	0.075975426	0.002002083	37.4197197	0.005443527	0.012247623	0.000526979	0.000916207	0.000386648	0.344656885	5.78753E-06	0.001099569	0.000748039	0.001988212	0.001098211
2068 May	0.001728085	0.09834899	1.02666E-05	5.886206627	8.398114204	0.077077031	0.002008227	37.18833923	0.00543904	0.012327013	0.000536369	0.000917085	0.000387476	0.346538901	5.81362E-06	0.001103717	0.000759795	0.001999114	0.001096752
2068 Jun	0.001519402	0.087627038	9.1287E-06	5.615431309	7.481376171	0.070148073	0.001902823	29.89985847	0.004689492	0.011094358	0.000480994	0.000824452	0.000349409	0.319888324	5.55001E-06	0.001059882	0.000680989	0.00179003	0.000991281
2068 Jul	0.001571539	0.089716859	9.42236E-06	5.773326874	7.740970612	0.072055183	0.001960643	31.43712807	0.004882751	0.011408295	0.000495065	0.000855348	0.000361863	0.329649776	5.71127E-06	0.00109085	0.000700229	0.001852648	0.001025944
2068 Aug	0.001657316	0.09418644	9.90129E-06	6.049595356	8.165196419	0.075770453	0.002057507	33.56517029	0.005170396	0.01196802	0.000521799	0.000901836	0.000381539	0.346449554	5.9817E-06	0.001143137	0.000735909	0.001947139	0.00108083
2068 Sep	0.001670461	0.094398431	9.93804E-06	6.028738022	8.220931053	0.075889684	0.002056806	34.39394379	0.005234744	0.011988442	0.000524027	0.000906443	0.000383657	0.346880108	5.95916E-06	0.001138867	0.000737192	0.001951553	0.001085098
2068 Oct	0.001682499	0.094555691	9.9602E-06	6.021026134	8.279752731	0.076120153	0.002059172	35.13920593	0.005296007	0.012004519	0.000526928	0.000912102	0.000386064	0.347767651	5.9473E-06	0.001137556	0.00073955	0.001956096	0.001090912
2068 Nov	0.001689704	0.094845556	9.99169E-06	6.03895998	8.316819191	0.076408818	0.002066102	35.38800812	0.00532408	0.012040856	0.000529188	0.000916137	0.000387757	0.349039406	5.96376E-06	0.00114104	0.000742319	0.001962789	0.001095578
2068 Dec	0.00169104	0.09490028	9.99762E-06	6.042467117	8.323732376	0.076463737	0.002067431	35.43289185	0.005329243	0.012047735	0.000529613	0.000916894	0.000388074	0.349281639	5.96699E-06	0.001141722	0.000742843	0.001964058	0.001096458
2069 Jan	0.001691953	0.094912648	9.99889E-06	6.043459415	8.329106331	0.07649862	0.002067995	35.48540115	0.005334083	0.012048845	0.00052994	0.000917485	0.000388316	0.349415272	5.96745E-06	0.00114195	0.000743159	0.001964575	0.001097114
2069 Feb	0.00169252	0.094933189	1.00007E-05	6.04464817	8.332216263	0.076523423	0.002068472	35.50903702	0.005336548	0.012050929	0.000530138	0.000917822	0.000388455	0.349512488	5.96841E-06	0.001142185	0.000743392	0.001965032	0.001097496
2069 Mar	0.001692768	0.094946526	1.00019E-05	6.04536581	8.333488464	0.076535121	0.002068726	35.51621246	0.005337435	0.012052346	0.000530221	0.000917957	0.000388512	0.349559724	5.96908E-06	0.001142319	0.000743505	0.00196528	0.001097653
2069 Apr	0.001695797	0.095117375	1.00198E-05	6.056153297	8.348400116	0.076672554	0.002072416	35.5798645	0.005346984	0.012073879	0.000531172	0.000919597	0.000389206	0.3501845	5.97972E-06	0.001144356	0.000744841	0.001968791	0.001099612
2069 May	0.001725059	0.096934907	1.01925E-05	6.155627251	8.491267204	0.078060247	0.002105966	36.1987915	0.005438199	0.012280875	0.000541119	0.000934973	0.000395749	0.356078416	6.07738E-06	0.001162768	0.000758603	0.002002788	0.001117593
2069 Jun	0.001609641	0.093325958	9.81789E-06	5.886072636	7.914221764	0.073661968	0.002003907	32.26673889	0.005011077	0.011750373	0.000508423	0.00087752	0.000369984	0.336393565	5.8362E-06	0.001111213	0.000724109	0.001931133	0.001039871
2069 Jul	0.001658145	0.094981402	1.01218E-05	6.118319035	8.1769104	0.075624637	0.00208695	33.24555588	0.005180771	0.012102465	0.000520411	0.000910981	0.0003835	0.348397881	6.07073E-06	0.001158494	0.000742166	0.001996463	0.001079649
2069 Aug	0.001712158	0.097553872	1.04125E-05	6.260719299	8.440470695	0.077742897	0.002139775	34.86145401	0.005374805	0.012416604	0.00053653	0.000939429	0.000395597	0.357910663	6.21015E-06	0.001185265	0.000762276	0.002052384	0.001112281
2069 Sep	0.001678741	0.094835997	1.01906E-05	6.13345623	8.281504631	0.075756647	0.002106097	34.39671707	0.005284381	0.012144066	0.000522352	0.000920947	0.00038832	0.350770175	6.07732E-06	0.001163235	0.00074	0.00199954	0.001091332
2069 Oct	0.001610899	0.089221038	9.77237E-06	6.016683578	7.97825861	0.072141863	0.002081651	32.46742249	0.005062431	0.011701789	0.00049263	0.000888527	0.000375795	0.340884924	5.95367E-06	0.001147937	0.00069578	0.001900977	0.001059445
2069 Nov	0.001607373	0.088735908	9.74892E-06	6.013827324	7.957820892	0.071788169	0.002083572	32.31613922	0.005046698	0.011682929	0.000489433	0.000886017	0.000374998	0.340344042	5.95307E-06	0.001148034	0.000691142	0.001892986	0.001057495
2069 Dec	0.001608587	0.088765152	9.75238E-06	6.015915394	7.964506626	0.071833432	0.002084531	32.37314606	0.005052348	0.011686619	0.00048983	0.000886752	0.000375302	0.340536654	5.95469E-06	0.001148469	0.000691563	0.001893876	0.001058325
2070 Jan	0.001608746	0.088772155	9.75271E-06	6.016002655	7.965352535	0.07184042	0.002084591	32.38133621	0.005053085	0.011686955	0.000489885	0.000886832	0.000375336	0.340556294	5.95469E-06	0.001148483	0.00069163	0.001893961	0.001058409
2070 Feb	0.00160882	0.08877971	9.7529E-06	6.016078472	7.965740681	0.071845852	0.002084612	32.3841362	0.005053356	0.011687201	0.000489918	0.000886862	0.000375348	0.340567082	5.95472E-06	0.001148488	0.000691684	0.001894005	0.001058436
2070 Mar	0.001609827	0.088838048	9.75896E-06	6.019783974	7.970714092	0.07189209	0.002085888	32.40432739	0.005056493	0.011694478	0.000490229	0.000887408	0.00037558	0.340778738	5.95837E-06	0.00114919	0.000692131	0.001895178	0.001059085
2070 Apr	0.001615875	0.089176491	9.79551E-06	6.042281151	8.000652313	0.072164461	0.00209367	32.52622604	0.005075463	0.011738311	0.000492079	0.000890728	0.000376985	0.342056155	5.9806E-06	0.001153475	0.000694755	0.001902274	0.00106304
2070 May	0.001625442	0.091299012	9.87449E-06	6.078176022	8.03723526	0.073247492	0.002100239	32.37630844	0.005078132	0.01183981	0.000500989	0.000892208	0.000378102	0.344102859	6.01668E-06	0.001157338	0.000706531	0.001917084	0.001062844
2070 Jun	0.0015514	0.090628885	9.48519E-06	5.931900501	7.676047325	0.071946084	0.002033545	29.37747383	0.004763199	0.011425896	0.000493314	0.000849272	0.000361261	0.332897425	5.88218E-06	0.001124608	0.000693813	0.001847589	0.001008948
2070 Jul	0.001616293	0.094214477	9.87932E-06	6.14458704	7.992824554	0.074720383	0.002107993	30.91939354	0.004978555	0.011871129	0.000513338	0.000885059	0.000376071	0.345590055	6.09631E-06	0.001164782	0.000722123	0.001927059	0.001049339
2070 Aug	0.001677397	0.097365044	1.02201E-05	6.326325893	8.290815353	0.077236295	0.002173483	32.54011154	0.005187613	0.012252824	0.000532067	0.000917443	0.000389852	0.356985003	6.27566E-06	0.001199092	0.000745985	0.001992504	0.00108675
2070 Sep	0.00165062	0.095278271	1.00448E-05	6.178794384	8.147828102	0.075390317	0.00213238	32.37625504	0.005118486	0.012023741	0.000519665	0.000899917	0.000382781	0.349590093	6.12592E-06	0.001171881	0.000727335	0.001948509	0.001065628
2070 Oct	0.001619441	0.092234232	9.84954E-06	6.149570465	8.029351234	0.073694579	0.002133755	31.57005501	0.005031733	0.011812416	0.000505352	0.000888528	0.000378416	0.346116185	6.08389E-06	0.001171759	0.000705228	0.001900846	0.0010555
2070 Nov	0.001621485	0.091973029	9.8413E-06	6.160299778	8.046182632	0.07370922	0.002139515	31.70429993	0.005045925	0.011806655	0.000505358	0.000890662	0.000379365	0.346726239	6.09269E-06	0.001174573	0.000704457	0.001899717	0.001058533
2070 Dec	0.001622419	0.091985531	9.84293E-06	6.16134119	8.051550865	0.073742516	0.002140115	31.75652313	0.005050767	0.011808137	0.000505676	0.000891253	0.000379608	0.346860766	6.09326E-06	0.001174812	0.00070476	0.00190027	0.001059193
2071 Jan	0.001622625	0.091991819	9.84331E-06	6.161519527	8.052692413	0.073750988	0.002140219	31.76748466	0.005051773	0.011808516	0.000505748	0.00089137	0.000379656	0.346888632	6.09333E-06	0.001174847	0.00070484	0.001900385	0.001059319
2071 Feb	0.001622661	0.091998033	9.8435E-06	6.161595345	8.052852631	0.073754452	0.002140232	31.76784515	0.005051836	0.011808778	0.000505765	0.000891377	0.00037966	0.34689489	6.09338E-06	0.001174854	0.000704875	0.001900417	0.001059324
2071 Mar	0.001622902	0.092013948	9.84495E-06	6.162475586	8.054035187	0.073766388	0.002140531	31.77234459	0.005052557	0.01181053	0.000505843	0.000891502	0.000379713	0.346945494	6.09424E-06	0.001175017	0.00070499	0.001900693	0.00105947
2071 Apr	0.001625554	0.092165664	9.86103E-06	6.172529697	8.067193031	0.073887527	0.002144019	31.82415581	0.005060799	0.011829835	0.000506672	0.000892956	0.000380333	0.347512126	6.10418E-06	0.001176932	0.000706149	0.001903796	0.001061196
2071 May	0.001617583	0.093506329	9.83138E-06	6.152420521	8.02087307	0.074355893	0.002130271	31.25262642	0.005005833	0.011805454	0.000511607	0.000885077	0.000377576	0.346241713	6.08376E-06	0.001169943	0.00071181	0.001898339	0.001049728
2071 Jun	0.001509221	0.089191705	9.21786E-06	5.984467506	7.530226231	0.07139194	0.002059543	27.35225105	0.004598972	0.01114135	0.000489344	0.000833344	0.000356567	0.331473678	5.93543E-06	0.001137597	0.000679395	0.001794258	0.000988486
2071 Jul	0.001544414	0.090254411	9.43791E-06	6.167825222	7.72198391	0.072803348	0.0021256	27.97246933	0.00471943	0.011398035	0.000497536	0.000858254	0.000366705	0.34061411	6.12546E-06	0.001174928	0.000691859	0.001842664	0.001018364
2071 Aug	0.001604995	0.093571931	9.79519E-06	6.379804134	8.02103138	0.075468235	0.002200631	29.31720543	0.004915356	0.01181106	0.000516397	0.00089096	0.000380746	0.352969646	6.33599E-06	0.001215085	0.00071695	0.001911143	0.001056681
2071 Sep	0.00159142	0.092425488	9.69974E-06	6.243592262	7.929005623	0.074199699	0.002160007	29.56044388	0.004887584	0.011658711	0.000508726	0.000878374	0.000375715	0.34699285	6.20432E-06	0.001188006	0.00070521	0.001885361	0.001040671
2071 Oct	0.001580316	0.091162041	9.62058E-06	6.217237473	7.892751217	0.073486231	0.0021585 1	29.49347878	0.004870517	0.011561273	0.000503405	0.00087483	0.000374324	0.345364302	6.16666E-06	0.001185691	0.000696195	0.001864346	0.001037086
2071 Nov	0.001580286	0.090898268	9.62557E-06	6.228843689	7.899835587	0.07333684	0.002167308	29.50649643	0.004875633	0.011564909	0.000501934	0.000875691	0.000374827	0.345801204	6.17249E-06	0.001189395	0.000693529	0.001860163	0.001038464
2071 Dec	0.001581119	0.090910219	9.62833E-06	6.230025291	7.904347897	0.07335595	0.002168139	29.54800987	0.004879654	0.011567591	0.000502113	0.00087616	0.000375031	0.345922291	6.17319E-06	0.001189691	0.00069367	0.001860532	0.001038993
2072 Jan	0.001581273	0.090923294	9.62925E-06	6.230523109	7.905076981	0.073364303	0.002168312	29.55070496	0.004880077	0.011568725	0.000502162	0.000876227	0.00037506	0.3459526	6.17366E-06	0.001189779	0.00069375	0.001860685	0.001039068
2072 Feb	0.00158143	0.090935096	9.63007E-06	6.2314291	7.906057835	0.073375612	0.002168625	29.55275917	0.004880575	0.011569836	0.000502222	0.000876331	0.000375106	0.346000046	6.17445E-06	0.001189958	0.000693842	0.001860838	0.001039195
2072 Mar	0.001581708	0.090953223	9.63171E-06	6.23261261	7.907517433	0.073390514	0.002169032	29.55758476	0.004881429	0.011571856	0.000502316	0.000876489	0.000375173	0.346065342	6.17557E-06	0.001190185	0.000693978	0.001861151	0.001039381
2072 Apr	0.001586232	0.091213658	9.65919E-06	6.250561237	7.930216312	0.0736017	0.002175279	29.64187241	0.004895406	0.011604927	0.000503756	0.000879005	0.00037625	0.347060531	6.19332E-06	0.001193616	0.000695968	0.001866461	0.001042366
2072 May	0.001609587	0.092560381	9.80137E-06	6.34245348	8.046955109	0.074686818	0.002207249	30.07868195	0.004967473	0.011775726	0.000511189	0.000891936	0.000381786	0.352166504	6.28435E-06	0.001211156	0.000706235	0.001893937	0.001057692
2072 Jun	0.001551573	0.089671001	9.65194E-06	6.197257042	7.740326405	0.071763195	0.002152914	28.21933365	0.004762359	0.011523354	0.000488113	0.000865845	0.000368767	0.341378689	6.18145E-06	0.001183856	0.00068556	0.001875787	0.001020917
2072 Jul	0.001576212	0.090764895	9.8345E-06	6.286018372	7.854107857	0.072530583	0.00218514	28.75911522	0.004844905	0.01170301	0.000493372	0.000880658	0.000374578	0.346165091	6.28305E-06	0.001201202	0.000693801	0.001913099	0.001036575
2072 Aug	0.001578046	0.08956483	9.84825E-06	6.344689846	7.892651558	0.072309434	0.002215786	28.86269569	0.004871784	0.011679248	0.000490185	0.000885503	0.00037758	0.348513007	6.33586E-06	0.001215774	0.000684248	0.001904202	0.001045039
2072 Sep	0.001567966	0.087562427	9.76536E-06	6.379714966	7.883004665	0.071659595	0.002238961	28.66643143	0.004861557	0.011575786	0.000483676	0.00088555	0.000378399	0.349164873	6.36088E-06	0.001226874	0.000670815	0.001879735	0.00104849
2072 Oct	0.001533333	0.083801001	9.47162E-06	6.310525417	7.73220396	0.069633029	0.002226211	27.89660835	0.004759571	0.011284032	0.000467224	0.00086957	0.000372409	0.343804985	6.29575E-06	0.001217627	0.000645066	0.001819908	0.001034765
2072 Nov	0.001534013	0.083403096	9.4471E-06	6.311488628	7.740752697	0.069544479	0.002229344	28.0305711	0.004769919	0.011261572	0.000466579	0.000870568	0.000372935	0.34394747	6.29593E-06	0.001218526	0.000643205	0.001815531	0.001036573
2072 Dec	0.001535594	0.083415076	9.44892E-06	6.31287241	7.750095844	0.069600493	0.002230269	28.12584114	0.004778562	0.011262908	0.000467133	0.000871602	0.000373358	0.344167709	6.29641E-06	0.001218871	0.000643708	0.001816366	0.001037727
2073 Jan	0.001535988	0.083423585	9.44957E-06	6.313263893	7.752354622	0.069616102	0.002230496	28.14766693	0.004780574	0.011263516	0.000467272	0.000871843	0.000373457	0.34422344	6.29659E-06	0.001218956	0.000643853	0.001816591	0.001037992
2073 Feb	0.001536137	0.083436266	9.45045E-06	6.313791752	7.753081322	0.069624841	0.002230668	28.15010262	0.004780986	0.011264594	0.000467324	0.000871913	0.000373487	0.344254643	6.29709E-06	0.001219049	0.000643937	0.001816753	0.00103807
2073 Mar	0.001536714	0.083470218	9.45399E-06	6.316125393	7.755983829	0.069652133	0.002231484	28.16048431	0.004782754	0.011268831	0.000467503	0.000872233	0.000373625	0.344383031	6.29941E-06	0.001219495	0.000644191	0.00181743	0.001038449
2073 Apr	0.001546509	0.08400254	9.51411E-06	6.356283188	7.805430889	0.070096478	0.002245673	28.34084702	0.004813276	0.011340496	0.000470486	0.00087779	0.000376005	0.346575469	6.33944E-06	0.001227246	0.000648302	0.001828994	0.001045063
2073 May	0.001565284	0.086536825	9.54246E-06	6.380137444	7.91552639	0.071978137	0.002250772	29.04611397	0.004884658	0.01138029	0.000488333	0.000886278	0.000380142	0.349752218	6.34731E-06	0.001228752	0.000667541	0.001842104	0.001051121
2073 Jun	0.001523358	0.086754717	9.21779E-06	6.296021461	7.751765251	0.072243221	0.002211545	27.67282486	0.004733132	0.01104056	0.000494573	0.000865963	0.000372362	0.344260067	6.25785E-06	0.001209336	0.000670188	0.00179722	0.00102251
2073 Jul	0.001570677	0.088509001	9.48283E-06	6.525147438	8.009622574	0.074301571	0.002295221	28.57999039	0.004893928	0.011358395	0.000507818	0.000897068	0.000385569	0.356116772	6.48893E-06	0.001255568	0.000686952	0.001851873	0.001060342
2073 Aug	0.001626127	0.091374539	9.79764E-06	6.709048271	8.284509659	0.076643892	0.00236226	29.94257545	0.005081007	0.01171136	0.000524957	0.000927186	0.000398525	0.367093503	6.67214E-06	0.001290689	0.000708423	0.001911833	0.00109519
2073 Sep	0.001627813	0.090983719	9.77326E-06	6.642884731	8.280960083	0.076242484	0.002344786	30.52396202	0.00510761	0.011656841	0.000523427	0.000925174	0.000397795	0.364987969	6.60531E-06	0.001277574	0.000704902	0.00190399	0.001091972

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.001606172	0.088710316	9.61162E-06	6.573094368	8.202436447	0.074893139	0.00233308	30.43648911	0.005071494	0.011462448	0.000513798	0.000916961	0.000394442	0.361138046	6.51733E-06	0.001268445	0.000688919	0.001864467	0.001083096
2073 Nov	0.001607322	0.088317655	9.60278E-06	6.600392818	8.229610443	0.074944437	0.002347022	30.55329704	0.005090266	0.011453021	0.000513949	0.000920796	0.000396097	0.362422764	6.53509E-06	0.001275773	0.000687638	0.001861336	0.00108808
2073 Dec	0.001609632	0.088365018	9.60848E-06	6.60445118	8.242773056	0.075033456	0.002348928	30.66657639	0.005101453	0.011458929	0.00051474	0.000922257	0.000396701	0.362798929	6.53818E-06	0.00127664	0.000688443	0.001862955	0.001089734
2074 Jan	0.001610792	0.088373534	9.60941E-06	6.605278969	8.249738693	0.075076312	0.002349545	30.73908806	0.005107948	0.011459429	0.00051516	0.000923023	0.000397014	0.36295718	6.53829E-06	0.001276856	0.000688829	0.001863524	0.001090585
2074 Feb	0.001611263	0.088381425	9.60988E-06	6.605674744	8.252543449	0.075095691	0.002349796	30.76710892	0.005110489	0.011459788	0.000515336	0.000923325	0.000397137	0.36302346	6.53839E-06	0.001276948	0.000689005	0.001863765	0.001090918
2074 Mar	0.001612137	0.088431589	9.61505E-06	6.609190941	8.257012367	0.075137459	0.002351041	30.78393173	0.00511325	0.011465957	0.000515619	0.000923819	0.000397349	0.363218665	6.54185E-06	0.001277623	0.000689391	0.001864765	0.001091499
2074 Apr	0.001620609	0.08889778	9.66556E-06	6.64389801	8.300395012	0.075532928	0.002363382	30.94556999	0.005140102	0.011526213	0.00051833	0.000928669	0.000399436	0.365126729	6.57619E-06	0.001284329	0.00069302	0.001874561	0.001097227
2074 May	0.001630184	0.091591321	9.6592E-06	6.669040203	8.368441582	0.077408135	0.002366036	31.10777855	0.005165066	0.01153546	0.000536023	0.000932164	0.000401713	0.367584139	6.58587E-06	0.001285529	0.000711892	0.001880822	0.001097181
2074 Jun	0.001533614	0.087757058	9.02656E-06	6.525935173	7.965121269	0.07532014	0.002306717	27.88594627	0.004824585	0.010868696	0.000521874	0.00088925	0.000384525	0.355343074	6.44319E-06	0.001258852	0.000686802	0.001777168	0.001046442
2074 Jul	0.001602716	0.091087952	9.42962E-06	6.826119423	8.330162048	0.078477114	0.002415138	29.26837349	0.005054861	0.011340952	0.000543425	0.00093186	0.000402592	0.371518523	6.74395E-06	0.001317997	0.000715225	0.001859396	0.001096341
2074 Aug	0.001691139	0.095588066	9.90373E-06	7.157110691	8.79301548	0.082587667	0.002535504	31.36977577	0.005358784	0.011896687	0.000573139	0.000983326	0.000424711	0.390652418	7.06641E-06	0.001382214	0.000752559	0.001954849	0.001156331
2074 Sep	0.00169312	0.094513118	9.81735E-06	7.019498825	8.788697243	0.081801027	0.002497812	32.6277771	0.005417404	0.01175643	0.00057052	0.00098045	0.000423418	0.386313021	6.92367E-06	0.001355551	0.000746106	0.001936918	0.001151402
2074 Oct	0.001692957	0.093295395	9.71708E-06	6.896934032	8.780810356	0.080989957	0.00246564	33.72509003	0.005466548	0.011616405	0.000567326	0.000977771	0.000422135	0.382334471	6.79345E-06	0.001332634	0.000739153	0.001916753	0.001147121
2074 Nov	0.001714807	0.093072936	9.72383E-06	6.927461147	8.924713135	0.081759781	0.00248483	35.15440369	0.005598544	0.011614457	0.000574913	0.000994367	0.000428916	0.385952115	6.80616E-06	0.001340903	0.000744982	0.001925417	0.001166144
2074 Dec	0.00171931	0.093092479	9.72916E-06	6.934501171	8.952739716	0.081931531	0.002488609	35.41674805	0.00562342	0.011618913	0.000576526	0.000997556	0.000430224	0.386696875	6.81032E-06	0.001342591	0.000746419	0.001927868	0.001169775
2075 Jan	0.001720165	0.093101248	9.73026E-06	6.935717106	8.957959175	0.081965186	0.002489268	35.4657135	0.005628036	0.011619885	0.000576833	0.000998138	0.000430463	0.386833429	6.811E-06	0.001342876	0.000746709	0.001928334	0.001170432
2075 Feb	0.001720783	0.093119055	9.73211E-06	6.937605858	8.961693764	0.081994332	0.0024900 4	35.49080658	0.00563086	0.011622038	0.000577056	0.000998558	0.000430639	0.386962861	6.81257E-06	0.001343273	0.000746954	0.001928809	0.001170919
2075 Mar	0.001722589	0.093213499	9.74179E-06	6.944568157	8.971206665	0.082080431	0.002492563	35.53219604	0.005637002	0.011633568	0.000577668	0.000999614	0.000431093	0.387361377	6.81932E-06	0.001344625	0.000747737	0.001930761	0.001172152
2075 Apr	0.001731018	0.093659639	9.78834E-06	6.977792263	9.015294075	0.08248011	0.002504548	35.71556854	0.005665113	0.011689045	0.000580503	0.001004523	0.000433207	0.389236927	6.85181E-06	0.001351068	0.000751377	0.001940064	0.001177899
2075 May	0.001767281	0.095544562	9.90731E-06	7.037893295	9.211058617	0.084272318	0.002528764	37.24972153	0.005820728	0.011816898	0.00059649	0.001024644	0.000441719	0.394976348	6.89782E-06	0.001361887	0.000769327	0.001970089	0.001199109
2075 Jun	0.001642478	0.089070618	9.56272E-06	6.869184971	8.603611946	0.078598276	0.002463541	32.51840973	0.005359132	0.011332098	0.000547932	0.000972416	0.000416979	0.377312303	6.77407E-06	0.001335668	0.000719005	0.001905845	0.001133654
2075 Jul	0.001644637	0.088528477	9.68518E-06	7.027515888	8.636637688	0.078606926	0.00252005	31.72954178	0.005349381	0.011461232	0.000543926	0.000983052	0.00042083 1	0.382410705	6.9519E-06	0.00136992	0.000718427	0.001933593	0.001146208
2075 Aug	0.0016924	0.090871736	9.95069E-06	7.182700634	8.876928329	0.080593772	0.002578177	32.98886108	0.005516921	0.011750713	0.000558694	0.001009509	0.000432216	0.391809225	7.10613E-06	0.001399804	0.00073643	0.001984439	0.001176456
2075 Sep	0.001717975	0.091832474	1.00634E-05	7.238794327	9.006642342	0.081525482	0.002602222	33.92969894	0.005619308	0.011870471	0.000566219	0.001023315	0.000438132	0.396031708	7.15881E-06	0.001410724	0.000745099	0.002006838	0.001192083
2075 Oct	0.001712756	0.091337591	1.00106E-05	7.154686928	8.961170197	0.08085154	0.002576538	34.17900848	0.005610562	0.011799928	0.000562379	0.001016509	0.000435313	0.392586291	7.07616E-06	0.001393866	0.000739728	0.001992954	0.001183633
2075 Nov	0.001719966	0.091516323	1.00317E-05	7.161345005	8.998020172	0.081070825	0.002580781	34.53408813	0.005643684	0.011821312	0.000564435	0.001020326	0.000436919	0.393497825	7.08089E-06	0.001395251	0.000741861	0.001997608	0.001187875
2075 Dec	0.001721868	0.091555685	1.00364E-05	7.164340019	9.008681297	0.08114104	0.002582266	34.62831116	0.005652872	0.011826154	0.000565068	0.001021498	0.000437405	0.393793285	7.08315E-06	0.001395892	0.000742504	0.001998914	0.001189195
2076 Jan	0.001722216	0.091569364	1.00374E-05	7.16490078	9.010564804	0.08115606	0.002582519	34.6437645	0.005654411	0.011827278	0.000565187	0.001021692	0.000437487	0.393847376	7.08357E-06	0.001396001	0.000742646	0.001999163	0.00118941
2076 Feb	0.001722833	0.091608681	1.0041E-05	7.167360783	9.013749123	0.081187829	0.002583384	34.65557861	0.005656352	0.011831538	0.000565397	0.001022037	0.000437635	0.393985569	7.08598E-06	0.001396467	0.000742942	0.001999864	0.001189805
2076 Mar	0.001724474	0.091699466	1.00506E-05	7.174129009	9.022309303	0.081266619	0.002585812	34.68825912	0.005661693	0.011842818	0.00056594	0.001022999	0.000438048	0.394359231	7.09265E-06	0.001397779	0.000743666	0.00200176	0.001190922
2076 Apr	0.001729298	0.091957964	1.00787E-05	7.194165707	9.047534943	0.081494771	0.002593028	34.78511429	0.005677506	0.011875954	0.000567525	0.001025854	0.000439271	0.395461529	7.11245E-06	0.001401679	0.000745756	0.002007355	0.001194244
2076 May	0.001738829	0.094934531	1.01873E-05	7.195845127	9.069570541	0.082696103	0.002585642	34.65071106	0.005673312	0.011994231	0.000578437	0.001024339	0.000439056	0.39631483	7.11275E-06	0.001397256	0.000761036	0.002025306	0.001188498
2076 Jun	0.001604587	0.092417143	9.56754E-06	6.878395557	8.391860008	0.07903526	0.002451271	29.58041	0.00511935	0.011312725	0.000552419	0.00094601	0.000407115	0.3738662	6.80557E-06	0.001330936	0.000727406	0.001900219	0.001093581
2076 Jul	0.001638893	0.093145549	9.76749E-06	7.106275082	8.59636879	0.080524869	0.002535779	30.00800896	0.005236129	0.011557666	0.000560581	0.000972799	0.000418478	0.384525776	7.03903E-06	0.001378289	0.000737574	0.001943621	0.001126712
2076 Aug	0.001708024	0.096787781	1.01607E-05	7.362832546	8.952010155	0.083658874	0.002629781	31.60468102	0.005470342	0.012002413	0.000583261	0.001012318	0.000435514	0.39927882	7.293E-06	0.001427816	0.00076613	0.002020533	0.001172059
2076 Sep	0.001735898	0.097811803	1.02784E-05	7.420358181	9.093906403	0.084670372	0.002654997	32.66735458	0.005583817	0.012126961	0.000591574	0.00102736	0.000441954	0.403779715	7.34635E-06	0.001439038	0.000775583	0.00204423	0.001189023
2076 Oct	0.001706485	0.095840536	1.00783E-05	7.199235916	8.908274651	0.082528621	0.002582702	32.61359024	0.005498651	0.011878521	0.000577696	0.001003808	0.00043199	0.393420339	7.12982E-06	0.00139528	0.000757277	0.001998216	0.001161075
2076 Nov	0.001707386	0.095597818	1.00558E-05	7.16645813	8.90931797	0.082358807	0.002573741	32.93237686	0.005514147	0.011846791	0.000577226	0.001003302	0.000431743	0.392428964	7.09539E-06	0.001388957	0.000755987	0.001993812	0.001160224
2076 Dec	0.00171012	0.095638707	1.00609E-05	7.170303345	8.92524147	0.08246205	0.00257576	33.07978821	0.005528187	0.011851631	0.000578184	0.001005071	0.000432471	0.392850012	7.09795E-06	0.001389818	0.000756919	0.001995536	0.001162217
2077 Jan	0.001710594	0.095647521	1.00616E-05	7.17073822	8.927978516	0.082480505	0.002576028	33.10668182	0.005530653	0.011852254	0.000578352	0.001005364	0.000432592	0.392916054	7.09813E-06	0.001389916	0.000757089	0.001995798	0.001162542
2077 Feb	0.001710812	0.095664412	1.00629E-05	7.171570301	8.929087639	0.082492985	0.002576312	33.11053467	0.005531301	0.011853775	0.000578431	0.001005478	0.000432641	0.392963976	7.09893E-06	0.001390068	0.000757207	0.001996041	0.001162668
2077 Mar	0.001711418	0.095700689	1.00664E-05	7.174054146	8.932232857	0.082523212	0.002577197	33.12215805	0.005533232	0.011857957	0.000578639	0.001005825	0.000432791	0.393101573	7.10138E-06	0.001390544	0.000757487	0.001996739	0.001163068
2077 Apr	0.001717206	0.096025825	1.01005E-05	7.198291302	8.962431908	0.082802914	0.002585899	33.23404312	0.005551926	0.011898064	0.000580598	0.001009222	0.000434252	0.394430339	7.12536E-06	0.001395239	0.000760055	0.002003488	0.001166994
2077 May	0.001723946	0.097884402	1.01623E-05	7.233728886	8.997961998	0.083816923	0.002594175	33.09373856	0.005555549	0.011972484	0.000589179	0.001011132	0.000435471	0.396418691	7.15385E-06	0.001400089	0.000770639	0.00201409	0.001167086
2077 Jun	0.001610691	0.09398248	9.57479E-06	6.999783993	8.471274376	0.080496505	0.002500372	29.2651825	0.005134682	0.011319639	0.000564989	0.000953714	0.000411741	0.379105806	6.92018E-06	0.001354999	0.000737078	0.001902978	0.001098502
2077 Jul	0.001681198	0.098143026	1.00172E-05	7.265702724	8.827716827	0.083761699	0.00259557	30.76111031	0.005367001	0.011811482	0.000588605	0.00099465	0.000428838	0.394147873	7.19037E-06	0.001405756	0.000769911	0.001993584	0.001143259
2077 Aug	0.001753576	0.102090791	1.04323E-05	7.541257381	9.201996803	0.087133363	0.002696268	32.37562943	0.005609951	0.012282998	0.000612983	0.001036179	0.000446786	0.40985626	7.46289E-06	0.001458861	0.000800755	0.002075007	0.001190704
2077 Sep	0.001707813	0.098495744	1.01541E-05	7.300624847	8.955910683	0.084109232	0.002622127	31.96516609	0.005484668	0.011920864	0.000591568	0.001006922	0.000434696	0.397598088	7.22012E-06	0.001413883	0.000770297	0.002006897	0.001157732
2077 Oct	0.001709835	0.097540356	1.01238E-05	7.326501846	8.99699688	0.083962172	0.002641241	32.3208046	0.005521981	0.011885264	0.000590336	0.001012342	0.000437131	0.399024874	7.23069E-06	0.001422527	0.000765651	0.001997017	0.001165142
2077 Nov	0.001717397	0.097756192	1.01489E-05	7.34535265	9.039731026	0.084272638	0.002649324	32.63387299	0.005555791	0.011912754	0.000592913	0.001017109	0.000439133	0.400418669	7.24701E-06	0.001426438	0.000768413	0.002003083	0.001170577
2077 Dec	0.001718966	0.097799473	1.01538E-05	7.348762512	9.048537254	0.084336035	0.002650821	32.70251083	0.005562948	0.011917947	0.000593453	0.001018085	0.000439541	0.400691688	7.2499E-06	0.001427143	0.00076899	0.002004308	0.001171683
2078 Jan	0.001719452	0.097817749	1.01554E-05	7.349887848	9.051211357	0.084357262	0.00265129	32.72192001	0.005565036	0.011919808	0.000593623	0.001018374	0.000439662	0.400777996	7.25087E-06	0.001427367	0.000769186	0.002004705	0.001172008
2078 Feb	0.001719708	0.097835675	1.01569E-05	7.350874901	9.052539825	0.084371306	0.002651636	32.72693634	0.00556584	0.011921523	0.000593716	0.001018513	0.000439723	0.400834769	7.25182E-06	0.001427552	0.000769317	0.002004987	0.001172165
2078 Mar	0.001720156	0.097863302	1.01595E-05	7.352752686	9.054883003	0.084394164	0.002652306	32.73527527	0.005567262	0.011924635	0.000593873	0.001018772	0.000439835	0.400938153	7.25366E-06	0.001427912	0.000769528	0.002005504	0.00117246
2078 Apr	0.001730625	0.098459497	1.02213E-05	7.397438049	9.109996796	0.084908172	0.002668425	32.93497849	0.005601163	0.011997133	0.000597489	0.001024969	0.00044251	0.403376609	7.29773E-06	0.001436588	0.000774215	0.002017698	0.001179591
2078 May	0.001713661	0.100477993	1.01015E-05	7.33167696	9.022999763	0.085694171	0.002634039	32.12924957	0.00550874	0.011885247	0.000606891	0.001009803	0.000437158	0.400139987	7.22368E-06	0.001418588	0.00078332	0.001997275	0.001158294
2078 Jun	0.001618179	0.095837012	9.51587E-06	7.186000347	8.59181118	0.082769237	0.002574198	28.76066589	0.005150597	0.011288071	0.000583822	0.000963413	0.000418668	0.387212008	7.0867E-06	0.00139196	0.000748593	0.00189113	0.00110793
2078 Jul	0.001698466	0.100320324	9.98276E-06	7.518559456	9.013025284	0.086640239	0.002694756	30.38852882	0.005415495	0.011826052	0.000611586	0.001011015	0.000439153	0.405537575	7.41722E-06	0.001456532	0.000783865	0.001984396	0.001162123
2078 Aug	0.001744649	0.10260509	1.02286E-05	7.645456314	9.240748405	0.088480234	0.002743799	31.75447845	0.005582485	0.01208146	0.000626144	0.001035482	0.00044976	0.41382581	7.54387E-06	0.001480661	0.000800376	0.002030416	0.001189505
2078 Sep	0.001776657	0.103538223	1.03467E-05	7.691686153	9.405967712	0.089561567	0.002767199	33.19516373	0.005724713	0.012191315	0.000635636	0.001052764	0.000457183	0.418421596	7.58405E-06	0.001489733	0.00081017	0.002054729	0.001208856
2078 Oct	0.001780235	0.102708124	1.02771E-05	7.601453304	9.4193964	0.089125544	0.002742814	34.20956039	0.005778963	0.012094747	0.000634688	0.001052935	0.00045704	0.415876478	7.48765E-06	0.00147268	0.000806877	0.002043041	0.001208524
2078 Nov	0.001784782	0.102715723	1.02812E-05	7.594409466	9.441830635	0.089197248	0.002742318	34.53087616	0.005804155	0.012095969	0.000635731	0.001055098	0.000457927	0.416086465	7.47892E-06	0.001471411	0.000807698	0.002044332	0.001210874
2078 Dec	0.001786256	0.1027468	1.02848E-05	7.596903801	9.450231552	0.089254305	0.002743528	34.60369873	0.005811327	0.012099573	0.000636243	0.001056025	0.000458312	0.416323215	7.48083E-06	0.001471945	0.000808215	0.002045348	0.00121192
2079 Jan	0.001787313	0.102749221	1.02852E-05	7.597261429	9.456627846	0.089291662	0.002743985	34.6740303	0.00581748	0.012099413	0.000636623	0.001056727	0.000458597	0.416455626	7.48052E-06	0.001472071	0.000808552	0.002045802	0.001212705
2079 Feb	0.001787552	0.102754563	1.02853E-05	7.5973773	9.458043098	0.0893021	0.002744081	34.68857956	0.005818773	0.012099531	0.000636713	0.001056874	0.000458656	0.41648677	7.48048E-06	0.001472098	0.00080865	0.002045912	0.001212866
2079 Mar	0.001788782	0.10282097	1.02918E-05	7.602133274	9.464632988	0.089362815	0.002745827	34.71766663	0.005823048	0.012107073	0.000637155	0.001057604	0.000458971	0.416760534	7.48508E-06	0.001473022	0.000809201	0.002047235	0.0012137
2079 Apr	0.001795214	0.103187643	1.03284E-05	7.629160404	9.498717308	0.089683555	0.002755609	34.84592819	0.005844165	0.012150089	0.000639448	0.001061409	0.000460621	0.41825065	7.51164E-06	0.00147826	0.000812106	0.00205454	0.001218064
2079 May	0.001820372	0.10491132	1.04766E-05	7.728655338	9.628330231	0.091022827	0.002790608	35.31960678	0.005922731	0.012323632	0.000649353	0.001075356	0.000466723	0.423862964	7.60927E-06	0.001496936	0.000824803	0.002083831	0.001233571
2079 Jun	0.001661519	0.097204812	9.83171E-06	7.354018211	8.84504509	0.084201284	0.002649439	30.32042122	0.005357704	0.011520624	0.000595739	0.000998633	0.000432181	0.396766305	7.2642E-06	0.001428493	0.000764694	0.001961528	0.001139882
2079 Jul	0.001665922	0.096149333	9.89571E-06	7.461286068	8.888903618	0.084036633	0.002691783	30.13973427	0.005380034	0.011579118	0.000591931	0.001009255	0.000436097	0.400505066	7.38693E-06	0.001452891	0.000761169	0.001979463	0.001152674
2079 Aug	0.001733363	0.099655367	1.0267E-05	7.703954697	9.238647461	0.087080382	0.002782246	31.80681992	0.005615481	0.011990339	0.000614646	0.00104816	0.000452867	0.414686233	7.62688E-06	0.00149997	0.00078864	0.002052614	0.001196656
2079 Sep	0.001723065	0.098323181	1.01733E-05	7.589310646	9.171007156	0.085902631	0.002749685	32.14982224	0.005602706	0.011863584	0.000606988	0.001038752	0.00044903	0.409818739	7.51004E-06	0.001478283	0.000777259	0.002027181	0.001186135
2079 Oct	0.001717404	0.09673579	1.01018E-05	7.62463522	9.18883419	0.085483991	0.002773876	32.21318436	0.005616719	0.011785818	0.000603107	0.001042358	0.0004508	0.411025345	7.52466E-06	0.001490297	0.000768317	0.002007381	0.001192293
2079 Nov	0.001711899	0.095958963	1.00623E-05	7.625376701	9.169382095	0.085073069	0.002778266	32.06618118	0.005602378	0.011746793	0.000599422	0.001040532	0.000450218	0.41058442	7.52257E-06	0.001492036	0.000762534	0.001996199	0.001191378
2079 Dec	0.001706044	0.095355555	1.00225E-05	7.600893497	9.134040833	0.084591612	0.002771638	31.93507385	0.005581016	0.011706347	0.00059553	0.001036327	0.000448578	0.409109622	7.5009E-06	0.001487628	0.000757316	0.001986074	0.00118737
2080 Jan	0.001706262	0.095359772	1.00228E-05	7.601616859	9.135499954	0.084602833	0.002771965	31.94503784	0.005582109	0.011706742	0.000595604	0.001036484	0.000448645	0.40915966	7.50143E-06	0.001487787	0.000757393	0.001986156	0.001187557
2080 Feb	0.00170651	0.095377371	1.00239E-05	7.602933407	9.137042046	0.084620036	0.002772439	31.9494381	0.005582958	0.011708236	0.000595705	0.001036648	0.000448717	0.40923056	7.5026E-06	0.001488048	0.000757533	0.001986385	0.001187745
2080 Mar	0.00170669	0.095390953	1.00249E-05	7.603785515	9.138055801	0.084631465	0.00277274	31.95232201	0.005583519	0.011709443	0.000595774	0.001036755	0.000448764	0.409276932	7.50339E-06	0.001488211	0.000757633	0.001986573	0.001187866
2080 Apr	0.001710768	0.095621459	1.00488E-05	7.621935368	9.159889221	0.084834948	0.00277935	32.02839661	0.00559683	0.011737429	0.000597201	0.001039225	0.000449834	0.410254747	7.52129E-06	0.001491759	0.000759456	0.001991312	0.001190694
2080 May	0.001736881	0.097116053	1.02018E-05	7.73644495	9.299266815	0.086140841	0.002821007	32.52261353	0.005682135	0.011915957	0.000606468	0.00105495	0.000456645	0.416459322	7.63413E-06	0.001514086	0.000771236	0.00202166	0.001208632
2080 Jun	0.001655778	0.092798747	9.92453E-06	7.492194653	8.84403801	0.081834279	0.002725791	29.94011307	0.005375007	0.011546131	0.000571978	0.001011489	0.000436305	0.399807245	7.44356E-06	0.001466243	0.000737896	0.001977065	0.001154699
2080 Jul	0.001647499	0.091740437	9.94383E-06	7.52702713	8.800163269	0.081102662	0.002738473	29.35991096	0.005338237	0.011544868	0.000564644	0.001011102	0.000435589	0.399720013	7.50112E-06	0.001474679	0.000730598	0.001984096	0.0011538
2080 Aug	0.001685797	0.093725882	1.01743E-05	7.65299654	8.988957405	0.082630232	0.002786769	30.31809616	0.005469834	0.01178207	0.000576164	0.00103178	0.000444625	0.407199979	7.629E-06	0.001498982	0.000743801	0.002025063	0.001176982

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.001687265	0.092935026	1.01608E-05	7.670626163	9.021272659	0.082492121	0.00280189	30.62396812	0.005500756	0.011745627	0.000574964	0.001035295	0.000446579	0.408258766	7.63379E-06	0.001505017	0.000738584	0.002015397	0.001182215
2080 Oct	0.001685185	0.091456108	1.00786E-05	7.707964897	9.055537224	0.082267918	0.002826377	30.83851051	0.005527382	0.011666742	0.000572823	0.001040099	0.00044901	0.409867525	7.65217E-06	0.001516855	0.000731243	0.001996014	0.001190232
2080 Nov	0.001679509	0.090498678	1.00105E-05	7.68192482	9.026343346	0.081711367	0.002821765	30.82195282	0.005513721	0.011601632	0.000568431	0.001036327	0.000447713	0.40843153	7.6266E-06	0.001512784	0.000724218	0.001980143	0.001187523
2080 Dec	0.001681471	0.090472654	1.0011E-05	7.68436861	9.038358688	0.081765704	0.002823563	30.94278908	0.005524807	0.011602115	0.000568968	0.00103764	0.000448274	0.408728272	7.62789E-06	0.001513453	0.00072455	0.001980603	0.001189108
2081 Jan	0.001681857	0.0904883	1.00124E-05	7.685693264	9.040630341	0.081784815	0.0028241	30.956007	0.00552642	0.011603771	0.000569105	0.001037888	0.00044838	0.408812642	7.62904E-06	0.001513724	0.00072471	0.001980911	0.001189392
2081 Feb	0.001682013	0.090501405	1.00132E-05	7.686535835	9.041568756	0.081796169	0.002824396	30.95804977	0.005526899	0.011604815	0.00056917	0.001037985	0.000448423	0.408857316	7.6298E-06	0.001513887	0.000724805	0.001981064	0.001189502
2081 Mar	0.001682563	0.090532988	1.00164E-05	7.689192772	9.044623375	0.081825256	0.002825367	30.96764946	0.005528705	0.011608578	0.000569364	0.001038331	0.000448573	0.408997655	7.63238E-06	0.001514412	0.000725056	0.001981692	0.001189899
2081 Apr	0.001688781	0.090872101	1.00531E-05	7.717222214	9.078035355	0.08213	0.002835659	31.08429146	0.005549188	0.011651094	0.000571478	0.001042146	0.000450221	0.41049841	7.66013E-06	0.00151992	0.000727765	0.001988954	0.001194263
2081 May	0.001682257	0.094088569	1.00585E-05	7.672555447	9.010739326	0.083207697	0.002804925	30.22286034	0.005463433	0.011680665	0.000582034	0.001028332	0.000445378	0.408390522	7.6171E-06	0.00150397	0.000741947	0.001988264	0.00117433
2081 Jun	0.001625527	0.0928251	9.70161E-06	7.569519997	8.743942261	0.08217407	0.002756183	28.00174713	0.005227281	0.011336551	0.00057497	0.000996477	0.000433044	0.400293291	7.516E-06	0.001481552	0.000729703	0.001925196	0.001138224
2081 Jul	0.001715252	0.097558737	1.0224E-05	7.991529942	9.233074188	0.086620256	0.002911274	29.64103699	0.005524704	0.011944406	0.000605988	0.001053041	0.000457493	0.422570854	7.93571E-06	0.001564907	0.00076864	0.002030834	0.001203047
2081 Aug	0.001806635	0.102459967	1.07446E-05	8.38275528	9.722670555	0.091056146	0.003055874	31.52062416	0.005832545	0.012541354	0.000637735	0.001108434	0.000481516	0.443974763	8.32266E-06	0.001641548	0.000807991	0.002134586	0.001266175
2081 Sep	0.001827595	0.102987133	1.08195E-05	8.390372276	9.823349953	0.091598898	0.003064512	32.5824585	0.005928248	0.012603275	0.000642988	0.001118305	0.000485811	0.446147501	8.32785E-06	0.001642812	0.000813096	0.002148383	0.001277125
2081 Oct	0.001836572	0.102809988	1.08078E-05	8.34847641	9.864246368	0.091596007	0.003055065	33.43206787	0.005986481	0.012579982	0.000644526	0.001121696	0.000487144	0.445640266	8.28162E-06	0.001634816	0.000813711	0.002147191	0.001280739
2081 Nov	0.001826308	0.101881318	1.07152E-05	8.237641335	9.795071602	0.090678163	0.003018887	33.66872787	0.005966596	0.012465261	0.000638985	0.001112498	0.000483138	0.440918297	8.17085E-06	0.0016129	0.000806281	0.002127231	0.001270004
2081 Dec	0.001826484	0.101845115	1.07121E-05	8.228797913	9.793560982	0.090623625	0.003016301	33.73108292	0.005968841	0.012460674	0.000638728	0.001112112	0.000482973	0.440619588	8.16207E-06	0.00161112	0.000805915	0.002126286	0.001269527
2082 Jan	0.00182679	0.101855524	1.07126E-05	8.228871346	9.795212746	0.090636104	0.003016394	33.74816513	0.005970347	0.012461152	0.000638832	0.001112272	0.000483039	0.440654486	8.16199E-06	0.001611132	0.000806037	0.002126437	0.001269701
2082 Feb	0.001827123	0.101881266	1.07143E-05	8.23008728	9.79695034	0.090655729	0.003016819	33.7549324	0.005971391	0.012463257	0.000638958	0.001112447	0.000483115	0.440726817	8.16314E-06	0.001611354	0.000806221	0.002126783	0.001269891
2082 Mar	0.00182815	0.10194324	1.07203E-05	8.234617233	9.80242157	0.090708606	0.003018464	33.77358246	0.005974689	0.012470272	0.000639322	0.001113056	0.00048338	0.440971851	8.1676E-06	0.001612231	0.000806696	0.002127966	0.001270582
2082 Apr	0.001833417	0.102239698	1.07512E-05	8.258290291	9.8306427	0.090971068	0.003027132	33.8706665	0.005991866	0.01250621	0.000641167	0.001116254	0.000484769	0.442240894	8.19107E-06	0.001616861	0.000809032	0.002134091	0.00127423
2082 May	0.001859218	0.103683226	1.09024E-05	8.374187469	9.968933105	0.092252873	0.003069604	34.34865952	0.006076199	0.012682035	0.000650212	0.001131942	0.000491583	0.448454678	8.30599E-06	0.001639539	0.000820445	0.002164105	0.001292128
2082 Jun	0.001728072	0.09576904	1.03156E-05	7.871627808	9.292532921	0.085391022	0.00288839	31.76579285	0.005678707	0.011887293	0.000599941	0.00106728	0.000460449	0.419457167	7.83796E-06	0.001544909	0.000767164	0.002066373	0.001209742
2082 Jul	0.001683093	0.091892622	1.01377E-05	7.888479233	9.109395027	0.083232358	0.002897124	30.02437401	0.005530098	0.011670597	0.000580021	0.001055859	0.000454745	0.415859818	7.87543E-06	0.001554008	0.000743429	0.002039057	0.001197531
2082 Aug	0.001744683	0.095125452	1.05041E-05	8.134874344	9.429959297	0.086013146	0.002989499	31.36058235	0.005738566	0.012072289	0.000599997	0.001092039	0.000470431	0.429550052	8.12345E-06	0.001602046	0.000768202	0.00210985	0.001238326
2082 Sep	0.001764363	0.09606652	1.06156E-05	8.178943634	9.520465851	0.086665049	0.003008543	31.95646095	0.005807656	0.012187829	0.000604994	0.001101182	0.000474505	0.432653278	8.16933E-06	0.001610164	0.000774374	0.002128793	0.001248533
2082 Oct	0.001710327	0.093119241	1.02952E-05	7.846344471	9.192856789	0.083334357	0.002893735	31.26353836	0.005627406	0.011809489	0.000582209	0.001060433	0.000457262	0.416243792	7.83909E-06	0.001544037	0.000745656	0.00205324	0.001201982
2082 Nov	0.001718218	0.093223728	1.03141E-05	7.867443562	9.24165535	0.083645627	0.002903882	31.6368866	0.005666969	0.011829423	0.00058486	0.001065945	0.000459602	0.417804062	7.85587E-06	0.001548796	0.000748032	0.00205797	0.001208394
2082 Dec	0.001720975	0.093266286	1.03195E-05	7.87157917	9.257736206	0.083750248	0.002906051	31.78315544	0.00568107	0.011834557	0.000585823	0.001067736	0.000460341	0.418235421	7.85886E-06	0.00154972	0.000748975	0.002059755	0.001210419
2083 Jan	0.001721356	0.093281426	1.03209E-05	7.872461319	9.259818077	0.083766967	0.002906424	31.79809761	0.005682689	0.011836037	0.000585954	0.001067959	0.000460435	0.418302715	7.85963E-06	0.001549894	0.000749129	0.002060067	0.001210668
2083 Feb	0.001721945	0.093317784	1.03244E-05	7.875062466	9.262950897	0.08379744	0.002907369	31.80865479	0.005684576	0.011840094	0.000586159	0.001068309	0.000460587	0.418443233	7.86221E-06	0.001550398	0.000749406	0.002060759	0.001211061
2083 Mar	0.001723241	0.093390502	1.03321E-05	7.880943775	9.26990509	0.083861522	0.002909532	31.83240128	0.005688822	0.011849016	0.000586603	0.001069105	0.00046093	0.418756902	7.86807E-06	0.001551551	0.000749982	0.002062304	0.001211961
2083 Apr	0.00172993	0.093754418	1.03722E-05	7.91150713	9.305877686	0.084187627	0.002920811	31.95586014	0.005710887	0.011895014	0.000588882	0.00107325	0.000462717	0.420381635	7.89857E-06	0.001557565	0.0007529	0.002070306	0.001216659
2083 May	0.001753989	0.096611053	1.04404E-05	7.967747688	9.449187279	0.086363949	0.002938512	32.72485352	0.005799986	0.011981312	0.000608553	0.001085327	0.000468496	0.425196677	7.93385E-06	0.001565939	0.000774144	0.002088238	0.001227457
2083 Jun	0.001653581	0.093119301	9.75025E-06	7.77669239	9.015265465	0.084306352	0.00285813	29.4367485	0.005430161	0.011294045	0.000594907	0.001034129	0.000448718	0.411204576	7.72534E-06	0.00152827	0.000747232	0.00196253	0.001170877
2083 Jul	0.001695172	0.094444081	9.98535E-06	8.020030975	9.25987339	0.08619561	0.002950973	30.14004135	0.00557811	0.011561908	0.000607067	0.001064892	0.00046193	0.423110604	7.9738E-06	0.001578456	0.000760984	0.002012057	0.001207073
2083 Aug	0.001727344	0.096206427	1.01833E-05	8.071338654	9.393525124	0.087130055	0.002972204	31.14153671	0.005687791	0.01174303	0.000615354	0.001078345	0.000467861	0.427249819	8.03374E-06	0.00158719	0.000769318	0.002043471	0.001221374
2083 Sep	0.001736108	0.095232397	1.01678E-05	8.13512516	9.486585617	0.087333433	0.003008601	31.76991272	0.005761281	0.011722567	0.000616684	0.00108971	0.00047303	0.430793434	8.07632E-06	0.001604363	0.000766157	0.002036127	0.00123622
2083 Oct	0.001706933	0.091743007	9.93744E-06	8.099873543	9.38097477	0.085573278	0.003010911	31.19335747	0.00568987	0.011487338	0.000601809	0.00107914	0.000469225	0.427367866	8.02689E-06	0.001603516	0.000742207	0.001981599	0.001228864
2083 Nov	0.001698932	0.090611368	9.85661E-06	8.069818497	9.342076302	0.084944271	0.003003969	31.11721039	0.00566942	0.01140702	0.000596771	0.001074716	0.000467558	0.425612867	7.99831E-06	0.001598686	0.000734572	0.001964707	0.001225513
2083 Dec	0.001700897	0.090636663	9.85994E-06	8.072154999	9.353505135	0.085015871	0.00300534	31.22663498	0.005679695	0.011409996	0.000597449	0.001075976	0.000468078	0.425900787	7.9998E-06	0.001599227	0.000735218	0.001965877	0.001226941
2084 Jan	0.001701005	0.090646066	9.86049E-06	8.072383881	9.354001045	0.085021593	0.003005424	31.2293148	0.005680019	0.011410661	0.000597484	0.001076017	0.000468097	0.425918132	8.00001E-06	0.001599263	0.000735276	0.00196597	0.001226983
2084 Feb	0.001701241	0.090663567	9.86181E-06	8.073494911	9.35531044	0.085036084	0.003005822	31.23303986	0.00568075	0.01141225	0.000597574	0.001076156	0.000468158	0.425978154	8.00106E-06	0.001599476	0.000735403	0.001966225	0.001227138
2084 Mar	0.001702549	0.090736434	9.86938E-06	8.079637527	9.362477303	0.085102707	0.003008099	31.25680161	0.005685076	0.011421038	0.000598037	0.001076972	0.000468513	0.426303834	8.00714E-06	0.001600686	0.000735982	0.00196773	0.001228066
2084 Apr	0.001712574	0.09127222	9.92746E-06	8.127155304	9.417592049	0.085604429	0.003025785	31.44092941	0.005718539	0.011488263	0.00060156	0.001083308	0.00047127	0.428812355	8.05422E-06	0.001610097	0.000740324	0.001979308	0.001235289
2084 May	0.001717671	0.095015585	9.97797E-06	8.090714455	9.410490036	0.087155908	0.002999266	31.1475563	0.005686354	0.011559069	0.000616598	0.001075888	0.000468974	0.428150684	8.0151E-06	0.001595527	0.000759896	0.001989264	0.001221974
2084 Jun	0.001617553	0.091609113	9.40833E-06	7.850887299	8.913643837	0.084213234	0.002896122	27.63928032	0.005287671	0.010974806	0.000594546	0.001019272	0.000445914	0.411432177	7.78585E-06	0.001545964	0.000730424	0.001885056	0.001158092
2084 Jul	0.001674883	0.094264433	9.73882E-06	8.135260582	9.233838081	0.086960107	0.003003081	28.71721649	0.005485642	0.011347972	0.000613599	0.001057519	0.000462357	0.426150352	8.07279E-06	0.001603051	0.000753555	0.001953359	0.001201676
2084 Aug	0.001727886	0.096957907	1.00313E-05	8.333867073	9.512080193	0.089352071	0.003079124	30.00909615	0.005672054	0.0116649	0.000631406	0.001088374	0.000475862	0.437569261	8.27095E-06	0.001641798	0.000774338	0.002009846	0.00123646
2084 Sep	0.001730667	0.09639851	1.00047E-05	8.256220818	9.513082504	0.088905893	0.003057246	30.74791527	0.005708337	0.011606937	0.000629486	0.001086791	0.000475212	0.435203254	8.1915E-06	0.001626502	0.000770482	0.00200185	0.001234619
2084 Oct	0.001720294	0.094584234	9.89729E-06	8.209846497	9.484758377	0.087974802	0.003052356	30.99497032	0.005710176	0.011478714	0.000622778	0.001083986	0.000474074	0.433070272	8.12859E-06	0.001621327	0.000758915	0.001974612	0.001232818
2084 Nov	0.001720214	0.094057776	9.883E-06	8.238323613	9.507004738	0.087939389	0.003067787	31.0608902	0.005724989	0.011461678	0.000622152	0.001087344	0.00047559	0.434273601	8.14736E-06	0.001629171	0.000756411	0.001969368	0.001237399
2084 Dec	0.001722105	0.094096594	9.88758E-06	8.241713524	9.517908096	0.088013515	0.003069481	31.15327263	0.005734228	0.011466289	0.000622812	0.001088553	0.000476094	0.434586942	8.15016E-06	0.001629921	0.000757073	0.00197068	0.001238771
2085 Jan	0.001722899	0.094100006	9.88787E-06	8.241812706	9.522641182	0.088041417	0.003069767	31.20626259	0.005738825	0.011466197	0.000623094	0.001089064	0.000476302	0.434679896	8.1498E-06	0.001629977	0.000757331	0.001971015	0.001239347
2085 Feb	0.001723232	0.09411753	9.88921E-06	8.242855072	9.524493217	0.088058688	0.003070171	31.21682549	0.005740124	0.011467744	0.000623219	0.001089261	0.000476386	0.434748054	8.15075E-06	0.001630179	0.000757487	0.001971314	0.001239567
2085 Mar	0.001723727	0.094147146	9.89203E-06	8.245156288	9.527205467	0.088084988	0.003071019	31.22566986	0.00574174	0.011471036	0.0006234	0.001089565	0.000476519	0.434870958	8.15302E-06	0.001630629	0.000757717	0.001971872	0.001239909
2085 Apr	0.001729099	0.094442107	9.92286E-06	8.270820618	9.556883812	0.088360116	0.003080573	31.32286644	0.005759615	0.011506794	0.000625345	0.001092955	0.000478002	0.436225325	8.17838E-06	0.001635702	0.000760086	0.001978014	0.001243766
2085 May	0.001737199	0.097423181	9.98107E-06	8.264705658	9.585102081	0.089798018	0.003069672	31.2832489	0.005759819	0.011576115	0.000638899	0.001091572	0.000477965	0.437019855	8.16316E-06	0.001629686	0.000777084	0.001989543	0.001238219
2085 Jun	0.001705926	0.097996213	9.83812E-06	8.203170776	9.421523094	0.089589909	0.003034872	29.75804901	0.005606432	0.011439805	0.000638123	0.00107128	0.000469933	0.432272822	8.10464E-06	0.001614014	0.000776572	0.001964685	0.00121299
2085 Jul	0.00178036	0.102120854	1.02598E-05	8.510933876	9.819083214	0.093200468	0.003150121	31.36330795	0.005860993	0.011910302	0.0006648	0.001116178	0.000489405	0.449325949	8.41099E-06	0.001674224	0.000808775	0.002048733	0.001263039
2085 Aug	0.001801515	0.102575369	1.03448E-05	8.513575554	9.918103218	0.093647897	0.003157168	32.47473907	0.005959893	0.011966185	0.000669581	0.001125996	0.000493708	0.451279402	8.4133E-06	0.001674638	0.000812169	0.002062438	0.001273963
2085 Sep	0.001794472	0.099505469	1.02254E-05	8.575736046	9.972001076	0.092998274	0.003199696	32.89846039	0.006011653	0.011810419	0.000663693	0.001135776	0.000498106	0.453784585	8.4416E-06	0.001695797	0.000797077	0.00203345	0.001288388
2085 Oct	0.001776583	0.096552439	1.00468E-05	8.533107758	9.905000687	0.091581829	0.003194683	32.81016922	0.005981899	0.01162417	0.000652136	0.001130048	0.00049578	0.450899094	8.39438E-06	0.00169178	0.000779397	0.001997924	0.001285412
2085 Nov	0.001765133	0.095084816	9.94966E-06	8.490828514	9.847743034	0.090709478	0.003183139	32.67008209	0.005951565	0.01152312	0.000645152	0.001124127	0.000493316	0.448385954	8.35416E-06	0.001684882	0.000769712	0.001978544	0.001280389
2085 Dec	0.001766366	0.095100909	9.95179E-06	8.49216938	9.854834557	0.090753123	0.0031839 7	32.73882675	0.005957984	0.011525034	0.000645568	0.001124903	0.000493637	0.448561132	8.35499E-06	0.001685195	0.000770108	0.001979263	0.00128127
2086 Jan	0.001766536	0.095109195	9.95223E-06	8.492273331	9.855707169	0.090760544	0.003184036	32.74695969	0.005958732	0.01152551	0.000645624	0.001124984	0.000493671	0.448581785	8.35503E-06	0.00168521	0.000770183	0.001979364	0.001281357
2086 Feb	0.001766658	0.095120214	9.95285E-06	8.492904663	9.856433868	0.090769693	0.003184258	32.74860764	0.005959103	0.011526298	0.000645677	0.001125057	0.000493704	0.448615879	8.3556E-06	0.00168533	0.00077026	0.001979482	0.001281437
2086 Mar	0.001767345	0.095157333	9.95658E-06	8.496407509	9.86041832	0.090807103	0.003185573	32.76121521	0.005961469	0.011530678	0.000645934	0.001125512	0.000493903	0.448799372	8.35898E-06	0.001686031	0.000770569	0.00198023	0.001281957
2086 Apr	0.001774874	0.095563293	9.99892E-06	8.532628059	9.902467728	0.091194861	0.003199154	32.90090179	0.005986882	0.011579737	0.000648689	0.00113031	0.000496009	0.450713098	8.39459E-06	0.00169322	0.000773857	0.001988653	0.001287421
2086 May	0.001797134	0.09772186	1.01307E-05	8.601673126	10.01131248	0.092597462	0.003221883	33.32321167	0.00605172	0.011729499	0.000660088	0.001140708	0.000500711	0.455087543	8.46098E-06	0.001704722	0.000788271	0.002014697	0.001297558
2086 Jun	0.001676779	0.094178766	9.59764E-06	8.228709221	9.345324516	0.088143453	0.00305997	29.10944557	0.005554169	0.011137622	0.00062656	0.001067688	0.000468987	0.431058615	8.12324E-06	0.001626205	0.000754088	0.001920889	0.001210122
2086 Jul	0.00173124	0.09595044	9.92293E-06	8.561620712	9.668475151	0.090659209	0.00318612	29.95215988	0.005748505	0.011499253	0.000642575	0.001109559	0.000486669	0.447110623	8.46419E-06	0.001694894	0.000773746	0.001992664	0.001258157
2086 Aug	0.001783073	0.098214827	1.01782E-05	8.707629204	9.935519218	0.092734635	0.003245641	31.61109161	0.005948056	0.011757116	0.000659195	0.001138586	0.000499302	0.45668456	8.60877E-06	0.001723422	0.0007917	0.002041856	0.001290664
2086 Sep	0.001776122	0.09667246	1.0098E-05	8.588562965	9.891563416	0.091616213	0.003212411	32.28669357	0.005963199	0.011621783	0.00065214	0.001131962	0.000496602	0.452128887	8.48357E-06	0.001701199	0.000780202	0.002018865	0.001283742
2086 Oct	0.001788397	0.096237719	1.01059E-05	8.641799927	9.989413261	0.092027858	0.003240882	33.00548935	0.006043119	0.011626308	0.00065558	0.001143867	0.000501683	0.455504686	8.51987E-06	0.001714927	0.000781294	0.002020479	0.001298176
2086 Nov	0.001795034	0.096464314	1.01317E-05	8.664668083	10.02729361	0.092329003	0.003250296	33.23429871	0.006071249	0.011654759	0.000657958	0.00114824	0.000503554	0.456935108	8.541E-06	0.001719644	0.00078384	0.002026341	0.001303163
2086 Dec	0.001796929	0.09649343	1.01353E-05	8.667526245	10.03904724	0.092401564	0.003251818	33.33498383	0.006080977	0.011658151	0.000658626	0.001149472	0.000504065	0.457232565	8.54309E-06	0.001720285	0.000784487	0.002027541	0.001304563
2087 Jan	0.00179719	0.096502073	1.0136E-05	8.667978287	10.04050159	0.092412695	0.003252032	33.34693527	0.006082178	0.011658891	0.000658718	0.001149626	0.00050413	0.457274497	8.54345E-06	0.001720377	0.00078459	0.002027722	0.001304735
2087 Feb	0.001797674	0.09653113	1.01387E-05	8.670211792	10.04317951	0.092438802	0.00325286	33.35596848	0.006083787	0.011662008	0.000658899	0.001149924	0.00050426	0.457394719	8.54563E-06	0.001720814	0.000784816	0.002028257	0.00130507
2087 Mar	0.001799339	0.096622385	1.01481E-05	8.678200722	10.05246353	0.092525125	0.003255851	33.38673019	0.006089396	0.011672817	0.000659511	0.001150982	0.000504725	0.457817107	8.5535E-06	0.001722395	0.000785551	0.002030131	0.00130627
2087 Apr	0.001803241	0.096832976	1.01701E-05	8.696996689	10.07425308	0.092726178	0.003262899	33.45904541	0.006102587	0.011698136	0.000660942	0.001153474	0.000505818	0.458809227	8.57202E-06	0.001726124	0.00078726	0.002034531	0.001309097
2087 May	0.001802492	0.098383151	1.01987E-05	8.709975243	10.06733799	0.093406521	0.003261485	33.04887009	0.006074814	0.011736938	0.000666849	0.001150757	0.000505036	0.459306449	8.57905E-06	0.001726416	0.000794939	0.002038394	0.00130401
2087 Jun	0.001732073	0.098237813	9.91337E-06	8.54607296	9.697468758	0.091923788	0.003180627	30.04293442	0.005758373	0.011440857	0.000656465	0.001107601	0.000487065	0.447599441	8.41136E-06	0.001689988	0.000784564	0.001982482	0.00125092
2087 Jul	0.001787563	0.101202965	1.02284E-05	8.748744011	9.986214638	0.094417892	0.003257805	31.41106987	0.005954774	0.01177514	0.000675514	0.001140321	0.000501078	0.459316313	8.61576E-06	0.001729539	0.000807398	0.002045307	0.001286646

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.001860083	0.105007611	1.06223E-05	9.050666809	10.38029099	0.097933896	0.003372633	33.0507164	0.006209433	0.012211319	0.000701626	0.001184618	0.000520468	0.47610724	8.91334E-06	0.001789073	0.000837599	0.002123267	0.001336449
2087 Sep	0.001899982	0.106537215	1.07895E-05	9.151413918	10.59077072	0.099507481	0.003416289	34.48379898	0.006371465	0.012390792	0.000714403	0.001207262	0.000530241	0.483218491	9.00886E-06	0.001809133	0.000851844	0.002157618	0.001362003
2087 Oct	0.001900032	0.105835915	1.0729E-05	9.050004005	10.57394028	0.098909557	0.003385135	35.22117615	0.00639864	0.01231181	0.000711645	0.001203699	0.000528502	0.479786426	8.90589E-06	0.001789139	0.000847813	0.002145704	0.001357973
2087 Nov	0.001897188	0.105547525	1.07031E-05	9.005587578	10.54885578	0.098551683	0.003370475	35.33943939	0.006392939	0.012279675	0.000709403	0.001200174	0.000526951	0.477950931	8.86253E-06	0.001780193	0.00084518	0.002139396	0.001353963
2087 Dec	0.001899922	0.105571769	1.07065E-05	9.00819397	10.56502342	0.098650761	0.003372215	35.50066757	0.006407795	0.012282346	0.000710365	0.001201959	0.000527684	0.478335768	8.86389E-06	0.001780836	0.000846073	0.002140898	0.001355995
2088 Jan	0.001900593	0.10558711	1.07079E-05	9.009175301	10.56888771	0.098677956	0.003372725	35.53510284	0.006411131	0.012283713	0.000710604	0.001202377	0.000527858	0.478439629	8.8646E-06	0.001781047	0.000846321	0.002141327	0.001356467
2088 Feb	0.001900778	0.105600953	1.07088E-05	9.009848595	10.56988621	0.098689049	0.003372968	35.53930283	0.006411748	0.012284784	0.000710677	0.001202478	0.000527902	0.478480279	8.86523E-06	0.001781171	0.000846423	0.002141509	0.001356576
2088 Mar	0.001902658	0.105708003	1.07194E-05	9.018701553	10.58031273	0.09878765	0.003376273	35.57421875	0.00641805	0.012296946	0.000711382	0.001203657	0.00052842	0.478951722	8.87393E-06	0.001782916	0.000847272	0.00214362	0.001357904
2088 Apr	0.001918668	0.106601164	1.08096E-05	9.094512939	10.66931248	0.09962035	0.003404642	35.8733139	0.006472009	0.012400441	0.000717372	0.001213773	0.000532861	0.482979715	8.94851E-06	0.001797896	0.000854418	0.00216165	0.001369313
2088 May	0.001954337	0.108721159	1.10088E-05	9.258194923	10.86616039	0.101522699	0.003465486	36.54666901	0.0065911	0.012629821	0.000730945	0.001235782	0.000542535	0.491794199	9.10877E-06	0.001829945	0.000870988	0.002201412	0.001393963
2088 Jun	0.001859243	0.105854914	1.07813E-05	8.890259743	10.31411076	0.096883468	0.003317422	33.69212341	0.006226339	0.012270885	0.00069598	0.001179788	0.000515865	0.469868124	8.77162E-06	0.001755637	0.000842128	0.002156923	0.001320451
2088 Jul	0.001919589	0.109112948	1.11914E-05	9.222747803	10.66264248	0.099967174	0.003442016	34.65277481	0.006436222	0.012707272	0.000717348	0.001223312	0.000534082	0.486557066	9.10327E-06	0.001823002	0.00087016	0.002241888	0.001367165
2088 Aug	0.00203313	0.115181699	1.18232E-05	9.722021103	11.28859329	0.105634175	0.003631085	37.08111191	0.006833015	0.013411804	0.000758863	0.001294508	0.000565098	0.513822675	9.59451E-06	0.001921736	0.000919555	0.002368937	0.001446765
2088 Sep	0.002072687	0.116690286	1.19907E-05	9.831210136	11.50272655	0.10727454	0.003677282	38.48636246	0.00699582	0.013587892	0.000772086	0.001317975	0.000575187	0.521253645	9.69788E-06	0.001943599	0.000934212	0.002404408	0.001473162
2088 Oct	0.00201831	0.113283321	1.16532E-05	9.4409132	11.15021038	0.103489801	0.00353946	38.06430435	0.006816614	0.01319881	0.000745891	0.001274113	0.000556201	0.502597332	9.31815E-06	0.001865219	0.000903297	0.002328442	0.001424066
2088 Nov	0.002010431	0.112814724	1.1608E-05	9.372591972	11.0919199	0.102836877	0.003515744	38.02037048	0.006788155	0.013146439	0.000741345	0.001266511	0.000552952	0.499403983	9.25286E-06	0.001851305	0.000898158	0.002316646	0.001415528
2088 Dec	0.00201275	0.112860009	1.16133E-05	9.376567841	11.1053381	0.102927335	0.003517749	38.13663101	0.006799666	0.013151627	0.00074216	0.001267998	0.000553571	0.499779582	9.25601E-06	0.001852172	0.000898971	0.002318225	0.001417215
2089 Jan	0.002012995	0.112873413	1.16143E-05	9.377194405	11.10663033	0.102939025	0.003518002	38.14474869	0.006800607	0.013152788	0.000742246	0.00126813	0.000553628	0.499824166	9.25659E-06	0.00185229	0.000899081	0.002318438	0.001417361
2089 Feb	0.002013342	0.112897821	1.16163E-05	9.378709793	11.10849953	0.102958716	0.003518553	38.15089035	0.00680171	0.013155082	0.000742378	0.001268331	0.000553716	0.499907345	9.25806E-06	0.00185258	0.000899258	0.002318826	0.001417581
2089 Mar	0.002015763	0.113036193	1.16303E-05	9.38992691	11.12183571	0.103083566	0.003522753	38.19661713	0.006809855	0.013170906	0.000743273	0.001269847	0.000554378	0.500506699	9.26912E-06	0.00185479	0.000900352	0.002321607	0.001419272
2089 Apr	0.002026468	0.113638349	1.1692E-05	9.439749718	11.18088341	0.10363175	0.003541438	38.3993454	0.006845995	0.013240857	0.000747222	0.001276584	0.000557319	0.503163457	9.31829E-06	0.001864627	0.000905142	0.00233393	0.0014268
2089 May	0.002022252	0.116063401	1.17242E-05	9.406592369	11.13601398	0.104377419	0.003518983	37.82326126	0.006789348	0.013282576	0.000754602	0.001267457	0.000553933	0.501698315	9.28028E-06	0.00185344	0.00091575	0.00233653	0.001412817
2089 Jun	0.001946519	0.11618007	1.13957E-05	9.176294327	10.7313652	0.102772184	0.003412995	34.91641617	0.006455753	0.012940055	0.000744751	0.001217684	0.000533399	0.487436324	9.03855E-06	0.001802744	0.000904888	0.002268477	0.001351644
2089 Jul	0.002022384	0.120180815	1.18046E-05	9.44416523	11.1320076	0.106246635	0.003516157	36.91753387	0.006731841	0.01337544	0.000771696	0.001262632	0.000552689	0.503307343	9.30417E-06	0.001855154	0.000936669	0.002351037	0.001400769
2089 Aug	0.002099944	0.124158747	1.22109E-05	9.715747833	11.54233932	0.109772108	0.003621599	38.99545288	0.007015205	0.013808521	0.000799082	0.001308122	0.000572431	0.519484758	9.57178E-06	0.001908393	0.00096785	0.002431335	0.001451159
2089 Sep	0.002122283	0.12430691	1.22489E-05	9.698560715	11.65332699	0.110208645	0.003624343	40.41198349	0.007132146	0.013836291	0.000804225	0.001318994	0.000576973	0.52105546	9.54904E-06	0.001905513	0.000972322	0.002440328	0.001463718
2089 Oct	0.002059553	0.118364558	1.18156E-05	9.501458168	11.37619877	0.10654553	0.003567736	39.48620224	0.006969625	0.013359405	0.0007759	0.001290162	0.000564688	0.509307444	9.32848E-06	0.001874625	0.000931725	0.002346877	0.001435706
2089 Nov	0.002059591	0.117963098	1.18036E-05	9.5269804	11.39247704	0.106535442	0.003579975	39.501194	0.006978685	0.013348591	0.000775465	0.001292704	0.000565853	0.510326982	9.34818E-06	0.001881209	0.000929932	0.002343686	0.001439277
2089 Dec	0.002061831	0.11802014	1.18099E-05	9.531746864	11.40534496	0.106627136	0.003582192	39.60328674	0.006989279	0.013355009	0.000776263	0.001294132	0.000566452	0.510716915	9.35224E-06	0.001882217	0.000930753	0.002345356	0.001440893
2090 Jan	0.002062499	0.118049867	1.18126E-05	9.533788681	11.40905571	0.106658444	0.003583021	39.62569809	0.006991983	0.013358032	0.000776506	0.001294538	0.000566626	0.510850847	9.35414E-06	0.001882624	0.000931034	0.00234596	0.001441346
2090 Feb	0.002063089	0.118087411	1.1816E-05	9.536387444	11.4122858	0.106690496	0.003583986	39.63711548	0.006993947	0.013361815	0.000776732	0.001294893	0.000566782	0.510993183	9.35666E-06	0.001883128	0.000931319	0.002346614	0.001441738
2090 Mar	0.002064942	0.11819534	1.18265E-05	9.544868469	11.42252254	0.106787123	0.003587168	39.67295074	0.007000219	0.013373774	0.000777432	0.001296048	0.000567287	0.511449754	9.36497E-06	0.001884799	0.000932165	0.002348711	0.001443022
2090 Apr	0.002071401	0.118566364	1.18635E-05	9.57469368	11.45823574	0.107121639	0.003598372	39.79690933	0.007022094	0.013415609	0.000779864	0.001300097	0.00056906	0.51304853	9.39423E-06	0.001890685	0.000935087	0.002356054	0.001447528
2090 May	0.002096083	0.11992456	1.19734E-05	9.666482925	11.5997715	0.108462587	0.003633707	40.50328827	0.007117562	0.0135388	0.00079056	0.001315629	0.00057582	0.518605113	9.47897E-06	0.001908793	0.000947097	0.002380231	0.001464551
2090 Jun	0.001919698	0.109569371	1.08993E-05	9.184906006	10.74992657	0.101330593	0.003441017	35.77053452	0.006511447	0.012395987	0.000736293	0.001226222	0.00053724	0.487249583	8.9963E-06	0.001818351	0.000876697	0.002192277	0.001366336
2090 Jul	0.001967465	0.111630715	1.11952E-05	9.457489967	11.02459812	0.103615336	0.003543382	36.51658249	0.006676334	0.012721132	0.000751661	0.001260759	0.000551904	0.500645041	9.27393E-06	0.001873827	0.000895757	0.002255762	0.001404776
2090 Aug	0.001958241	0.109597236	1.11339E-05	9.437660217	11.0044136	0.102655493	0.003546745	36.70579529	0.006682898	0.012595396	0.000744183	0.001259323	0.000551798	0.499423474	9.24206E-06	0.001873852	0.000880381	0.002232541	0.001405242
2090 Sep	0.001913543	0.104473308	1.0805E-05	9.356585503	10.81189823	0.099882551	0.003528075	35.73171616	0.006556526	0.012250955	0.00072083	0.001240456	0.000544299	0.492830753	9.15262E-06	0.001864437	0.000845923	0.002163006	0.001390191
2090 Oct	0.001837347	0.098145694	1.03504E-05	9.167904854	10.41486835	0.095377028	0.003465168	33.44145966	0.006275923	0.011799596	0.000682983	0.001197975	0.000526835	0.479045898	8.97215E-06	0.001832486	0.000796762	0.002063103	0.001349582
2090 Nov	0.001816637	0.096285984	1.02161E-05	9.120262146	10.31208134	0.09417697	0.003449563	32.85851288	0.006204145	0.01166478	0.000672921	0.001187303	0.000522433	0.475496143	8.92518E-06	0.001824822	0.000783293	0.002035121	0.00133973
2090 Dec	0.001819069	0.096321471	1.02206E-05	9.123450279	10.32618999	0.094266802	0.00345139	32.9901123	0.006216696	0.011668909	0.00067376	0.001188856	0.000523077	0.47585991	8.92745E-06	0.00182555	0.000784102	0.002036609	0.001341501
2091 Jan	0.001819885	0.096333034	1.02216E-05	9.12406826	10.33094215	0.094297566	0.003451843	33.03798676	0.006221065	0.011669735	0.000674048	0.001189367	0.000523287	0.475969195	8.92771E-06	0.001825701	0.000784386	0.002037044	0.001342082
2091 Feb	0.001820164	0.096344575	1.02223E-05	9.124523163	10.33253574	0.094311304	0.003452052	33.0509758	0.00622236	0.011670432	0.000674154	0.00118953	0.000523355	0.476014316	8.92804E-06	0.001825789	0.000784513	0.002037228	0.001342263
2091 Mar	0.001822927	0.096493237	1.02377E-05	9.138224602	10.34819412	0.094455428	0.00345723	33.10166931	0.006231799	0.011688062	0.00067518	0.001191324	0.000524145	0.476732433	8.94142E-06	0.001828525	0.000785717	0.002040303	0.001344284
2091 Apr	0.001833862	0.097073935	1.02991E-05	9.193000793	10.41025066	0.095022745	0.003477946	33.30009079	0.006269155	0.011758187	0.000679232	0.001198464	0.000527286	0.479590952	8.99501E-06	0.001839482	0.000790439	0.002052538	0.001352339
2091 May	0.001852973	0.099466495	1.04265E-05	9.267048836	10.50192356	0.096477367	0.003500195	33.44856644	0.006312215	0.011907758	0.000690938	0.001206664	0.000531199	0.483833462	9.06629E-06	0.001851456	0.000805338	0.002077294	0.001359664
2091 Jun	0.001768512	0.099644862	1.00565E-05	8.966781616	10.01416683	0.094467916	0.003358403	30.17916298	0.005924001	0.011524134	0.000678273	0.001147434	0.000506242	0.465964794	8.77221E-06	0.001783524	0.000794596	0.002009653	0.001287003
2091 Jul	0.001862834	0.104629472	1.0587E-05	9.416957855	10.54431438	0.099271715	0.003528395	32.03969193	0.006252708	0.01211668	0.000713192	0.001208979	0.000532972	0.489822924	9.21518E-06	0.001873354	0.000836041	0.002118616	0.001355346
2091 Aug	0.001886987	0.105145939	1.06859E-05	9.416347504	10.65649223	0.09977749	0.003535469	33.31951523	0.006365907	0.012181044	0.000718503	0.00121988	0.00053779	0.491931856	9.21497E-06	0.001872975	0.000840026	0.002134375	0.001367675
2091 Sep	0.001892113	0.103961699	1.06521E-05	9.359690666	10.69172001	0.099347658	0.003525689	34.3387146	0.00643344	0.01209849	0.000716516	0.001223015	0.000539203	0.490768999	9.1487E-06	0.001863744	0.000834	0.002124146	0.001372274
2091 Oct	0.001873913	0.100750551	1.04694E-05	9.390058517	10.67317677	0.098327667	0.003549866	34.19473267	0.006424791	0.011901212	0.000707707	0.001224896	0.000540016	0.490980506	9.14817E-06	0.001877668	0.000817164	0.002086769	0.001377924
2091 Nov	0.001848957	0.098335296	1.03083E-05	9.335430145	10.55476379	0.096807703	0.003534116	33.55230331	0.006344742	0.01173599	0.000694988	0.001213028	0.00053505	0.486858904	9.09054E-06	0.001869834	0.000799981	0.002051887	0.001367184
2091 Dec	0.001850207	0.098317206	1.0309E-05	9.335529327	10.56148338	0.096829362	0.00353473	33.63124466	0.006351562	0.011736585	0.000695232	0.00121374	0.000535349	0.486985117	9.09027E-06	0.00186994	0.000800139	0.002052228	0.001368066
2092 Jan	0.001851626	0.098325729	1.03099E-05	9.33601284	10.56990433	0.096879877	0.003535355	33.72238922	0.00635962	0.011736927	0.000695733	0.001214652	0.00053572	0.487158984	9.09006E-06	0.001870101	0.000800606	0.002052887	0.001369109
2092 Feb	0.00185233	0.098352611	1.03122E-05	9.338157654	10.57405758	0.096914575	0.003536248	33.7490387	0.006362711	0.011739451	0.000696	0.001215108	0.000535915	0.4873043	9.09194E-06	0.00187054	0.000800905	0.00205345	0.001369624
2092 Mar	0.001855629	0.098531224	1.03306E-05	9.354678154	10.59285831	0.097088538	0.003542493	33.80915833	0.006374007	0.011760344	0.000697243	0.001217259	0.000536864	0.488168865	9.108E-06	0.001873843	0.000802348	0.002057095	0.001372045
2092 Apr	0.001864848	0.099022858	1.03819E-05	9.40110302	10.64546108	0.097571671	0.003560067	33.9769516	0.006405642	0.011818783	0.000700709	0.001223299	0.000539528	0.490592629	9.15319E-06	0.001883138	0.000806344	0.00206731	0.00137885
2092 May	0.001885021	0.101262182	1.0477E-05	9.463464737	10.75216866	0.09913718	0.003579004	34.3964027	0.00646737	0.011931607	0.000714069	0.001233058	0.000544036	0.49477163	9.2069E-06	0.001893168	0.000822174	0.002088949	0.001387891
2092 Jun	0.001721595	0.094874509	9.6228E-06	9.007624626	9.912364006	0.093355432	0.003377594	29.0970192	0.005836629	0.011018237	0.000670473	0.001142654	0.000504695	0.464934915	8.75223E-06	0.001801342	0.000771919	0.001939339	0.001283846
2092 Jul	0.001742763	0.09435454	9.7435E-06	9.208463669	10.07641315	0.094219677	0.003456312	29.44419098	0.005940024	0.011129058	0.000674892	0.001168042	0.000514874	0.473834246	8.9482E-06	0.00184613	0.000776113	0.001971643	0.001313054
2092 Aug	0.001824007	0.09800119	1.01361E-05	9.541892052	10.536973	0.098140284	0.003587023	31.59508514	0.006249987	0.011555971	0.000704639	0.001220264	0.000537671	0.492801368	9.26832E-06	0.001913266	0.000808863	0.002053214	0.001371899
2092 Sep	0.001857282	0.098157033	1.01806E-05	9.515482903	10.71236229	0.098954551	0.003589642	33.8212738	0.00643443	0.011573183	0.000713893	0.001238051	0.000545003	0.495310187	9.23273E-06	0.001908765	0.000816951	0.002067923	0.001392325
2092 Oct	0.001869324	0.097289287	1.01315E-05	9.470701218	10.78932667	0.098950595	0.003584018	35.16985703	0.006533338	0.011506758	0.000715927	0.001246085	0.000548136	0.495308965	9.17515E-06	0.001902127	0.000816433	0.002062196	0.001402273
2092 Nov	0.001876975	0.097085871	1.01301E-05	9.485935211	10.84337997	0.099191301	0.003593787	35.68418884	0.006582414	0.011502272	0.000718287	0.001252399	0.000550764	0.496752203	9.18321E-06	0.001906418	0.00081776	0.002063926	0.001409822
2092 Dec	0.00187868	0.097137749	1.01358E-05	9.490786552	10.8532095	0.099265173	0.003595883	35.75125504	0.00659001	0.011508373	0.000718898	0.0012535	0.000551233	0.497086853	9.18759E-06	0.001907427	0.000818398	0.002065316	0.001411072
2093 Jan	0.001879281	0.097145341	1.01365E-05	9.491141319	10.8567152	0.09928748	0.003596188	35.78746414	0.006593275	0.011508863	0.000719109	0.001253876	0.000551387	0.49716419	9.18768E-06	0.001907519	0.000818605	0.002065624	0.001411501
2093 Feb	0.001879838	0.097169362	1.01386E-05	9.493000984	10.85993099	0.099315234	0.003596937	35.80616379	0.006595582	0.011511196	0.000719321	0.001254231	0.000551539	0.497282892	9.18937E-06	0.001907894	0.000818846	0.00206611	0.001411899
2093 Mar	0.001885142	0.097426504	1.01653E-05	9.517942429	10.89064789	0.099589415	0.003606506	35.92485046	0.006615041	0.011541354	0.000721342	0.00125776	0.000553083	0.498630792	9.21332E-06	0.001912923	0.000821122	0.002071691	0.001415876
2093 Apr	0.001895283	0.097948596	1.02197E-05	9.568797112	10.94923496	0.100124449	0.003625793	36.12112045	0.00665076	0.01160304	0.000725222	0.00126452	0.000556054	0.501302779	9.26251E-06	0.001923145	0.000825538	0.00208279	0.001423486
2093 May	0.00191873	0.1004792	1.03517E-05	9.648025513	11.07448387	0.101844393	0.003651824	36.58222961	0.006723665	0.011749886	0.000739621	0.001276456	0.000561475	0.506358802	9.33079E-06	0.001936733	0.000842848	0.002109253	0.001434642
2093 Jun	0.001813236	0.099158809	9.96514E-06	9.409452438	10.51477909	0.098905213	0.003534883	32.14564896	0.006256637	0.011334789	0.00071675	0.001213553	0.000534774	0.488812089	9.08311E-06	0.001885726	0.000819469	0.002026843	0.001359115
2093 Jul	0.001879092	0.102356091	1.03387E-05	9.742321014	10.8899641	0.102177732	0.003660794	33.40237045	0.006489338	0.011742152	0.000740328	0.001258224	0.000554098	0.506059051	9.41066E-06	0.001953003	0.000846607	0.002103748	0.001408855
2093 Aug	0.00194797	0.105560504	1.06768E-05	10.0101366	11.27276993	0.105429351	0.003765868	35.25847626	0.006750464	0.012103191	0.000765381	0.001301296	0.0005729	0.521548688	9.66868E-06	0.002006657	0.00087396	0.002172562	0.001457102
2093 Sep	0.001963247	0.105515786	1.06904E-05	9.948214531	11.33403111	0.105447769	0.00375126	36.49578857	0.006836441	0.012102087	0.000767401	0.001306052	0.000574787	0.520819843	9.60638E-06	0.001994233	0.00087555	0.002175281	0.00146271
2093 Oct	0.001901747	0.100490279	1.03361E-05	9.718291283	11.02285671	0.101624973	0.003678735	35.37259293	0.006650049	0.01170286	0.00073755	0.001272219	0.000560209	0.507554173	9.36222E-06	0.001954486	0.000836672	0.002090916	0.001428001
2093 Nov	0.001885688	0.098771594	1.02421E-05	9.694377899	10.94758987	0.100529321	0.003674424	34.90242767	0.006597344	0.011606457	0.000727995	0.001264837	0.000557219	0.505233288	9.33453E-06	0.001952331	0.000823683	0.002067131	0.001421846
2093 Dec	0.001887575	0.098825499	1.02481E-05	9.699118614	10.9583416	0.100607261	0.003676556	34.98079681	0.00660589	0.011612793	0.000728654	0.001266029	0.000557725	0.505581915	9.33875E-06	0.001953324	0.000824364	0.002068592	0.001423201
2094 Jan	0.001888527	0.098842651	1.02497E-05	9.700253487	10.96388435	0.100644633	0.003677221	35.03277206	0.006610813	0.011614257	0.000728992	0.001266629	0.000557974	0.505721867	9.3395E-06	0.001953581	0.000824704	0.002069155	0.001423885
2094 Feb	0.001888941	0.098860711	1.0251E-05	9.701330185	10.96626568	0.100665428	0.003677671	35.04890823	0.006612613	0.011615686	0.000729151	0.001266883	0.000558082	0.505801082	9.34042E-06	0.001953796	0.00082489	0.002069476	0.001424168
2094 Mar	0.001891494	0.098997094	1.02648E-05	9.714307785	10.98105907	0.100802533	0.003682583	35.09661865	0.006621533	0.01163134	0.000730139	0.001268583	0.000558831	0.506480634	9.3529E-06	0.001956403	0.000826019	0.002072259	0.001426076
2094 Apr	0.001898361	0.09935841	1.03021E-05	9.749527931	11.02090073	0.101169176	0.003695928	35.22387314	0.006645542	0.011673579	0.000732791	0.00127318	0.000560857	0.508317888	9.3868E-06	0.001963492	0.000829027	0.002079778	0.001431243
2094 May	0.00189514	0.100689515	1.02809E-05	9.728719711	10.9973526	0.101756603	0.00368021	34.92134094	0.006613335	0.011662423	0.000738683	0.001268017	0.000559011	0.507506728	9.35985E-06	0.001956422	0.000836261	0.002077829	0.001423604
2094 Jun	0.001870487	0.102516867	1.02E-05	9.67680645	10.85108089	0.102097005	0.003640582	33.39043808	0.00646432	0.011597181	0.000742567	0.001248783	0.000551279	0.503584027	9.30581E-06	0.001940487	0.000843265	0.002066667	0.001398036

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.001978221	0.108164862	1.0773E-05	10.16604042	11.46035862	0.107609607	0.003826941	35.75294876	0.006851961	0.012228455	0.000783805	0.001318639	0.000581719	0.530183554	9.77846E-06	0.002038355	0.000890447	0.002184461	0.001475409
2094 Aug	0.002108422	0.114346586	1.14021E-05	10.72992134	12.20817184	0.114182666	0.004045612	39.01089096	0.007343223	0.012923369	0.000833699	0.001403717	0.000618886	0.561697066	1.03153E-05	0.002152047	0.000945416	0.002316265	0.001570895
2094 Sep	0.002124372	0.11416854	1.1406E-05	10.64301586	12.26692677	0.114062354	0.004023428	40.44344711	0.007437272	0.012910153	0.000835044	0.001407738	0.000620389	0.560150087	1.0229E-05	0.00213462	0.000946269	0.002317014	0.001575779
2094 Oct	0.002087944	0.111264914	1.11353E-05	10.25665951	12.00266361	0.110845849	0.003889882	40.94945526	0.007341727	0.012588999	0.00081385	0.001373582	0.000605118	0.543292344	9.85787E-06	0.002056565	0.000922448	0.002258564	0.001537829
2094 Nov	0.002049574	0.10820327	1.09063E-05	10.04713345	11.78934479	0.108226165	0.003821106	40.57301331	0.007231622	0.012320141	0.000794487	0.001349131	0.000594369	0.532678545	9.64431E-06	0.002017504	0.000898328	0.002204638	0.001511704
2094 Dec	0.00204835	0.107983194	1.08958E-05	10.05198574	11.78945351	0.108165659	0.003823872	40.55643082	0.007231476	0.01230786	0.000793921	0.001349495	0.000594524	0.532801569	9.64646E-06	0.002019102	0.000897174	0.002202274	0.001512331
2095 Jan	0.00204976	0.108002864	1.0898E-05	10.0541563	11.79796886	0.108222224	0.003825061	40.63343811	0.007238927	0.012309826	0.00079443	0.001350437	0.000594915	0.533028364	9.64798E-06	0.002019601	0.000897665	0.002203092	0.001513411
2095 Feb	0.00205026	0.108023897	1.08999E-05	10.0566082	11.80120945	0.108251333	0.003826027	40.64764786	0.007241033	0.012311965	0.000794635	0.001350807	0.000595076	0.533165157	9.65015E-06	0.002020112	0.000897889	0.00220352	0.001513831
2095 Mar	0.002052104	0.108116113	1.09089E-05	10.06492805	11.81187344	0.108347572	0.003829233	40.69106293	0.00724787	0.0123221	0.000795348	0.001352016	0.000595605	0.533623755	9.65803E-06	0.002021787	0.000898694	0.002205395	0.001515187
2095 Apr	0.002061503	0.10861332	1.09588E-05	10.11095142	11.86595249	0.108844586	0.003846736	40.87749481	0.007281045	0.012378523	0.000798993	0.0013582	0.000598329	0.536065519	9.70218E-06	0.002031028	0.0009028 2	0.002215488	0.001522116
2095 May	0.002048152	0.11033719	1.09596E-05	10.10647869	11.79329109	0.109317169	0.003833897	39.82362747	0.007191386	0.012387147	0.000803188	0.001347887	0.0005944	0.534869432	9.68835E-06	0.002027103	0.000909028	0.002211532	0.001507443
2095 Jun	0.002038524	0.113072775	1.103E-05	10.22241783	11.76394844	0.110672899	0.003859835	38.15047455	0.007091719	0.012481392	0.000812882	0.001344008	0.000593497	0.538219273	9.78857E-06	0.002047206	0.00092187	0.002222145	0.00149898
2095 Jul	0.002156053	0.119518489	1.1667E-05	10.76909637	12.42677498	0.116776444	0.004067329	40.56090546	0.007504789	0.013187136	0.000858391	0.001419376	0.000626626	0.567636013	1.03153E-05	0.002156334	0.000973407	0.002349496	0.001582586
2095 Aug	0.002162738	0.119424209	1.16897E-05	10.6860323	12.42905617	0.116378635	0.004041062	41.33322525	0.007544274	0.013171742	0.000856974	0.001417685	0.000625875	0.565130889	1.02411E-05	0.002138824	0.000970512	0.002349262	0.001580608
2095 Sep	0.002182248	0.119591378	1.17437E-05	10.64936829	12.51531601	0.116639949	0.004035434	42.63214493	0.007645634	0.013196763	0.000860552	0.00142534	0.00062918	0.565652788	1.02057E-05	0.002131122	0.000973407	0.002358791	0.001589517
2095 Oct	0.002195574	0.119437359	1.17399E-05	10.61273575	12.58198738	0.116813645	0.004028643	43.71976852	0.007726972	0.013183204	0.000863535	0.00143176	0.000631691	0.565776527	1.01657E-05	0.002124318	0.000975847	0.002361402	0.001597104
2095 Nov	0.002178059	0.117862232	1.16243E-05	10.49804592	12.47951603	0.115470104	0.003991369	43.67327499	0.007680254	0.013049304	0.00085376	0.001419767	0.000626377	0.560235143	1.00514E-05	0.00210266	0.000963841	0.002335019	0.001584413
2095 Dec	0.002177117	0.117668711	1.16157E-05	10.49969006	12.47872448	0.115396641	0.003992992	43.67176056	0.007680341	0.013039405	0.000853121	0.00141991	0.000626437	0.560245931	1.00513E-05	0.002103492	0.00096273	0.002332921	0.00158477
2096 Jan	0.002178523	0.1176892	1.16177E-05	10.50093555	12.48693466	0.115450084	0.003993847	43.7527504	0.007687828	0.013041014	0.000853618	0.001420796	0.000626803	0.560439527	1.00519E-05	0.00210379	0.000963221	0.002333696	0.001585785
2096 Feb	0.002179702	0.11775063	1.1623E-05	10.50553894	12.49366188	0.115512013	0.003995636	43.78480148	0.007692321	0.013046945	0.000854078	0.001421536	0.000627125	0.560710311	1.00562E-05	0.002104706	0.000963755	0.002334821	0.001586608
2096 Mar	0.002181666	0.117861196	1.16334E-05	10.51489449	12.50487804	0.115617812	0.00399918	43.8240242	0.007699195	0.013058726	0.000854852	0.001422801	0.000627684	0.561212242	1.00651E-05	0.002106571	0.000964645	0.002336916	0.001588015
2096 Apr	0.002191097	0.118373275	1.16837E-05	10.56029415	12.55890942	0.11611858	0.004016437	44.01322937	0.007732439	0.013115201	0.000858549	0.001428942	0.000630393	0.563636661	1.01086E-05	0.002115661	0.000968826	0.002347013	0.001594867
2096 May	0.002214935	0.120010547	1.17639E-05	10.64089298	12.71096325	0.11776121	0.004047498	44.86613083	0.00783738	0.013199614	0.000872796	0.001445059	0.000637411	0.569127917	1.01702E-05	0.002131645	0.000983893	0.002367364	0.00161152
2096 Jun	0.001967966	0.107236877	1.06555E-05	10.06330585	11.45130348	0.10709437	0.003803019	36.66785431	0.006898006	0.011983027	0.00078525	0.00131797	0.000581087	0.526791096	9.63228E-06	0.002021985	0.000885809	0.002160898	0.001468017
2096 Jul	0.002011567	0.108469531	1.0927E-05	10.41937637	11.7370882	0.1093738	0.00393651	36.9597168	0.007050087	0.012284626	0.000799038	0.001356659	0.000597686	0.542800367	9.98728E-06	0.002096506	0.000901059	0.002221566	0.001512206
2096 Aug	0.002113176	0.113462314	1.1444E-05	10.87736416	12.31968403	0.114534788	0.004113495	39.33465958	0.007426023	0.012849183	0.000837782	0.001423054	0.000626828	0.567921817	1.04251E-05	0.002188697	0.000943914	0.002327257	0.001586415
2096 Sep	0.002101546	0.112229787	1.1342E-05	10.65990353	12.20461178	0.112912141	0.004040388	39.97061157	0.007404159	0.012715016	0.000827459	0.00140652	0.000619521	0.55909878	1.02195E-05	0.002144106	0.000932516	0.002301552	0.001568237
2096 Oct	0.002044399	0.10808903	1.10207E-05	10.3404274	11.86965084	0.109004781	0.003933383	39.23295212	0.007221675	0.012348734	0.000798263	0.001367103	0.000602423	0.542782426	9.90343E-06	0.002082996	0.000897321	0.002223284	0.001525987
2096 Nov	0.002041824	0.107632175	1.10115E-05	10.36386204	11.86996651	0.108832918	0.003945319	39.09357452	0.007216911	0.012338659	0.000796323	0.001367868	0.00060288	0.543431103	9.92067E-06	0.002089329	0.000893882	0.00221783	0.001527503
2096 Dec	0.002043077	0.107651539	1.10139E-05	10.36546898	11.8771944	0.10887897	0.003946261	39.16085815	0.007223347	0.012340858	0.000796753	0.001368659	0.000603209	0.543616295	9.92185E-06	0.002089696	0.000894299	0.002218598	0.00152841
2097 Jan	0.002043623	0.107658453	1.10144E-05	10.36563778	11.88034248	0.108898856	0.003946489	39.19449234	0.007226332	0.012341219	0.000796941	0.001368992	0.000603345	0.543681264	9.92179E-06	0.002089747	0.000894487	0.002218863	0.001528792
2097 Feb	0.002043758	0.107666768	1.10148E-05	10.3658371	11.88108826	0.10890653	0.003946573	39.20023727	0.007226909	0.012341613	0.000796995	0.001369062	0.000603375	0.543702364	9.92193E-06	0.002089781	0.00089456	0.002218951	0.001528868
2097 Mar	0.002045402	0.10775616	1.10236E-05	10.3741045	11.89061737	0.108995177	0.003949711	39.23162079	0.007232685	0.012351558	0.000797638	0.001370153	0.000603856	0.544137597	9.92983E-06	0.002091442	0.000895293	0.002220731	0.001530083
2097 Apr	0.00205678	0.108357213	1.10849E-05	10.43177509	11.95674419	0.109602086	0.003971662	39.44971466	0.007272894	0.012420281	0.000802077	0.001377769	0.000607213	0.547163308	9.98502E-06	0.002103065	0.00090028	0.002233081	0.001538586
2097 May	0.00207941	0.110957205	1.12363E-05	10.5196619	12.0682745	0.111215152	0.003999754	39.69407272	0.007329714	0.012592511	0.00081502	0.001388233	0.000612092	0.552207351	1.00688E-05	0.002117902	0.000916632	0.002261864	0.001548195
2097 Jun	0.001996784	0.110564046	1.09522E-05	10.28469849	11.58884525	0.108820841	0.00388541	36.12588882	0.006934892	0.012305715	0.000796398	0.001332339	0.0005885	0.536290705	9.85522E-06	0.002064355	0.000900291	0.002203586	0.001480972
2097 Jul	0.002097502	0.115864731	1.15021E-05	10.76484394	12.16216373	0.113998048	0.004068333	38.20273209	0.007293966	0.01290678	0.000834836	0.001398585	0.000617442	0.561890483	1.03196E-05	0.002160775	0.000943893	0.002315283	0.001554137
2097 Aug	0.002167656	0.119384564	1.1866E-05	11.05477333	12.55156708	0.117393091	0.004181194	39.9197464	0.007551713	0.013294991	0.000860722	0.001442332	0.000636683	0.578195691	1.05991E-05	0.00221871	0.000972315	0.002387248	0.001602813
2097 Sep	0.002207021	0.120984882	1.20387E-05	11.17784214	12.76739216	0.119096205	0.004232689	41.2145462	0.007710509	0.013475999	0.000874297	0.001465987	0.00064699	0.586075246	1.07156E-05	0.002243488	0.00098705	0.00242275	0.001629423
2097 Oct	0.002189807	0.119677059	1.19201E-05	10.99245739	12.63562775	0.117508933	0.004168447	41.3923378	0.007659163	0.013338833	0.000863523	0.001448764	0.000639363	0.577894986	1.05404E-05	0.002205764	0.000975362	0.002395504	0.001610504
2097 Nov	0.002176112	0.118793711	1.18377E-05	10.87726974	12.53956509	0.11645034	0.004127553	41.34613419	0.007613482	0.013244889	0.000856102	0.001436684	0.000634042	0.572542369	1.04317E-05	0.002182322	0.000967315	0.002376814	0.001597159
2097 Dec	0.002173503	0.118605331	1.182E-05	10.85470104	12.52192783	0.116250381	0.00411959	41.35169601	0.007605761	0.013224579	0.000854735	0.001434481	0.000633061	0.571514845	1.04101E-05	0.002177767	0.000965785	0.002373086	0.001594738
2098 Jan	0.002174605	0.118623756	1.18215E-05	10.85555935	12.52829361	0.116292417	0.004120216	41.4149704	0.007611579	0.013225904	0.000855121	0.001435159	0.000633341	0.571661949	1.04106E-05	0.002177971	0.000966176	0.002373689	0.001595515
2098 Feb	0.002175042	0.118650101	1.18232E-05	10.85693836	12.53074551	0.116316855	0.00412075	41.42842865	0.007613266	0.01322787	0.000855295	0.001435413	0.000633451	0.571752489	1.04118E-05	0.002178236	0.000966397	0.002374067	0.001595792
2098 Mar	0.002176234	0.118720219	1.18297E-05	10.86277103	12.53755665	0.116382495	0.004122946	41.45068359	0.007617362	0.013235161	0.000855767	0.00143618	0.00063379	0.572062194	1.04174E-05	0.002179396	0.000966949	0.002375358	0.001596641
2098 Apr	0.002183031	0.119242929	1.18664E-05	10.89325619	12.57513523	0.116802827	0.004133984	41.56760406	0.007638942	0.01327778	0.000858555	0.001440101	0.000635536	0.573743284	1.04459E-05	0.002185198	0.000970661	0.002382481	0.001600858
2098 May	0.002154556	0.121918678	1.18063E-05	10.75697041	12.38267517	0.116917171	0.004065139	40.08567047	0.007466134	0.013228884	0.000860154	0.00141205	0.000624111	0.566534996	1.03083E-05	0.002150543	0.000977882	0.002364087	0.001564099
2098 Jun	0.001935064	0.112276271	1.07569E-05	10.20430756	11.25385761	0.108328931	0.003830277	32.69095993	0.006602538	0.012127835	0.000791456	0.001290504	0.000572191	0.52795434	9.7853E-06	0.002040902	0.000896852	0.002159591	0.001428447
2098 Jul	0.002041745	0.118066169	1.13563E-05	10.77014065	11.87498665	0.114100315	0.00404376	34.5535202	0.006973021	0.01279242	0.000833364	0.001363129	0.000604085	0.557069838	1.03333E-05	0.002154735	0.000944511	0.002281791	0.001508734
2098 Aug	0.002073089	0.119169965	1.15016E-05	10.80591679	12.02399826	0.115040533	0.004063678	35.88382339	0.007104761	0.012914849	0.000841717	0.001378052	0.000610694	0.561012387	1.03714E-05	0.002161154	0.000952782	0.002307283	0.001525538
2098 Sep	0.002025048	0.11446286	1.11875E-05	10.52365494	11.76387215	0.11148978	0.003974402	35.76427841	0.006988271	0.012530983	0.00081546	0.001348543	0.000597759	0.54713726	1.00901E-05	0.00210896	0.000918582	0.002235571	0.001495437
2098 Oct	0.001981538	0.10848175	1.08444E-05	10.46526909	11.60501766	0.108601615	0.003971145	35.09967422	0.006895018	0.012168135	0.00079099	0.001336172	0.000592498	0.541687191	1.00228E-05	0.00210675	0.000882412	0.002166149	0.00148828
2098 Nov	0.001962765	0.106284276	1.07132E-05	10.42984009	11.51889515	0.107363038	0.003962617	34.66122437	0.00683869	0.012035041	0.000780352	0.00132822	0.000589164	0.538746834	9.99154E-06	0.002102214	0.000867995	0.002139759	0.001482002
2098 Dec	0.001964578	0.106333829	1.07187E-05	10.43397903	11.52920055	0.107436478	0.003964552	34.73975372	0.006847049	0.012040687	0.000780982	0.001329353	0.000589646	0.539068222	9.99519E-06	0.002103087	0.000868641	0.002141109	0.001483293
2099 Jan	0.001965515	0.106354132	1.07206E-05	10.43537331	11.53464222	0.107474484	0.003965302	34.78798676	0.006851757	0.01204249	0.000781317	0.001329942	0.000589892	0.539214015	9.99625E-06	0.002103392	0.000868984	0.002141698	0.001483967
2099 Feb	0.001966286	0.106380261	1.07228E-05	10.43729115	11.53915787	0.107510597	0.003966149	34.82064438	0.006855302	0.012044785	0.00078161	0.001330434	0.000590101	0.539358974	9.99789E-06	0.002103789	0.000869301	0.002142272	0.001484523
2099 Mar	0.001969933	0.106579468	1.07425E-05	10.4564333	11.56052876	0.107710689	0.003973421	34.88628769	0.006868034	0.012066988	0.000783061	0.001332889	0.00059119	0.540352762	1.00162E-05	0.002107642	0.000870926	0.002146222	0.001487259
2099 Apr	0.001985464	0.107677393	1.08264E-05	10.53093243	11.64839077	0.108648583	0.004000868	35.1503607	0.006918657	0.012163512	0.00078941	0.001342339	0.000595403	0.544359982	1.00864E-05	0.002122106	0.000878966	0.002162579	0.001497558
2099 May	0.001913501	0.110688828	1.05054E-05	10.19773674	11.18881798	0.107896537	0.003841771	32.05864716	0.006531723	0.011883381	0.000777164	0.001278035	0.000568641	0.526540518	9.76165E-06	0.002041453	0.000880686	0.002093824	0.00141989
2099 Jun	0.001862175	0.107778482	1.02459E-05	10.11414719	10.94281864	0.105936907	0.003803855	30.24768829	0.006338757	0.011607992	0.0007623	0.001254717	0.000558523	0.519110382	9.69337E-06	0.002025902	0.000861416	0.002051619	0.001394455
2099 Jul	0.001955913	0.112757012	1.07465E-05	10.56168652	11.47999001	0.110844143	0.003974915	32.20351791	0.006674886	0.012154479	0.000798603	0.001316514	0.000585602	0.543034315	1.01259E-05	0.00211567	0.000902456	0.002153796	0.001462699
2099 Aug	0.002043082	0.117189601	1.11982E-05	10.9335537	11.96887684	0.115183316	0.004120032	34.27971649	0.006993809	0.012635832	0.000831057	0.00137102	0.000609804	0.56376791	1.04842E-05	0.002189749	0.000938245	0.002242511	0.001523522
2099 Sep	0.002015916	0.114901021	1.10237E-05	10.62685108	11.76021576	0.112571187	0.004013423	34.70360184	0.006921523	0.012405475	0.000813618	0.001343934	0.000597816	0.550399482	1.01955E-05	0.002127252	0.00091845	0.002201387	0.001493823
2099 Oct	0.001995518	0.111998267	1.08647E-05	10.55597115	11.68436813	0.110987611	0.004000305	34.7407074	0.006895274	0.012218625	0.000801866	0.001337535	0.000594862	0.546486616	1.01134E-05	0.00211836	0.000900635	0.002165807	0.001488992
2099 Nov	0.001987068	0.109952956	1.07844E-05	10.63665104	11.71047211	0.110629275	0.004040398	34.58889389	0.006906178	0.012124417	0.000798213	0.001344707	0.000597971	0.549131751	1.01733E-05	0.002140664	0.000891119	0.002148957	0.00149922
2099 Dec	0.001988861	0.109991349	1.07908E-05	10.64659405	11.72276688	0.110722743	0.004044504	34.64345551	0.006914396	0.012131392	0.000798917	0.001346196	0.000598618	0.549662352	1.01823E-05	0.002142817	0.00089175	0.002150457	0.001500942
2100 Jan	0.001990102	0.109988421	1.07917E-05	10.64947987	11.73113632	0.110774375	0.004046028	34.71512222	0.006921589	0.012132024	0.00079938	0.001347169	0.000599023	0.549904644	1.01844E-05	0.002143516	0.000892136	0.002151073	0.001502081
2100 Feb	0.001990665	0.109996051	1.07928E-05	10.65186787	11.73509979	0.110803969	0.00404707	34.73954391	0.00692453	0.01213315	0.000799609	0.001347637	0.000599222	0.550051153	1.01864E-05	0.002144048	0.000892345	0.002151435	0.001502623
2100 Mar	0.001991464	0.110041335	1.07971E-05	10.65617847	11.73986626	0.110849835	0.004048705	34.75356293	0.006927324	0.012137945	0.000799934	0.001348181	0.000599464	0.550274312	1.01905E-05	0.002144915	0.000892713	0.002152282	0.001503229
2100 Apr	0.002003757	0.110722423	1.08637E-05	10.72191238	11.81231308	0.111534745	0.004073673	34.96796036	0.006970059	0.012212886	0.000804873	0.001356496	0.000603162	0.553669691	1.02534E-05	0.002158142	0.000898232	0.002165564	0.001512499
2100 May	0.002006339	0.113538571	1.08878E-05	10.64622211	11.79212856	0.112571433	0.00403515	34.97006607	0.006949221	0.01224549	0.000816333	0.001348935	0.000600258	0.551458776	1.01769E-05	0.002136939	0.00091383	0.002172443	0.001499866
2100 Jun	0.00185007	0.106069572	1.01517E-05	10.20628071	10.95749855	0.105882242	0.003849786	29.8533287	0.006335241	0.0114619	0.000764728	0.001261381	0.000562101	0.521859229	9.78664E-06	0.002048474	0.000854779	0.00203827	0.001401969
2100 Jul	0.001882582	0.106381387	1.03058E-05	10.41031075	11.17834377	0.107342571	0.003932894	30.72400856	0.006484693	0.011610291	0.000774986	0.001291074	0.000574478	0.532010853	9.98634E-06	0.002092813	0.000864772	0.002076452	0.001435601
2100 Aug	0.001891872	0.105580389	1.03432E-05	10.4653244	11.25430298	0.107398555	0.003962748	31.2628479	0.006550672	0.011608925	0.000775309	0.00130107	0.000579037	0.534935057	1.00348E-05	0.002106865	0.000860479	0.002078263	0.00144835
2100 Sep	0.001909559	0.104841128	1.03885E-05	10.57169628	11.39410591	0.1079797	0.004013933	32.07994461	0.006657926	0.011631286	0.000779376	0.001318813	0.000586925	0.540621877	1.01283E-05	0.002132051	0.000860371	0.002086098	0.001470372
2100 Oct	0.00192425	0.104629129	1.04151E-05	10.63731098	11.49883556	0.108526319	0.004045591	32.76286316	0.006739318	0.011658107	0.000783753	0.001331592	0.000592422	0.544496655	1.01844E-05	0.002147522	0.000863026	0.002093287	0.001485791
2100 Nov	0.001929323	0.104697138	1.04344E-05	10.66930103	11.53364754	0.108769953	0.004058952	32.89159393	0.006761652	0.0116801	0.000785457	0.001335886	0.000594318	0.546106637	1.02142E-05	0.002154477	0.000864421	0.002097371	0.0014909
2100 Dec	0.001931961	0.104781374	1.04433E-05	10.67763042	11.5491991	0.108890496	0.004062528	32.99155807	0.006773398	0.011689488	0.000786443	0.001337634	0.000595069	0.546655297	1.02218E-05	0.002156214	0.000865436	0.002099524	0.001492887
2101 Jan	0.001933899	0.104797773	1.04454E-05	10.67906666	11.56069946	0.108961478	0.004063671	33.10864258	0.006784108	0.01169088	0.000787129	0.001338891	0.000595585	0.546914876	1.02225E-05	0.002156591	0.000866084	0.002100538	0.001494342
2101 Feb	0.001934838	0.104806252	1.04461E-05	10.67952442	11.5662756	0.108996496	0.004064138	33.16711426	0.006789365	0.0116913	0.000787465	0.001339493	0.000595831	0.547033846	1.02225E-05	0.002156724	0.000866408	0.002100999	0.001495038
2101 Mar	0.0019355	0.104841352	1.04494E-05	10.68279266	11.57020664	0.109033331	0.004065394	33.18128204	0.006791795	0.011694954	0.000787733	0.001339939	0.000596028	0.547209084	1.02256E-05	0.002157382	0.000866708	0.002101675	0.001495537
2101 Apr	0.001942655	0.105232753	1.04878E-05	10.72184944	11.61289787	0.109437563	0.004080251	33.30589676	0.006816919	0.011737941	0.000790646	0.001344865	0.000598219	0.549218297	1.0263E-05	0.002165258	0.000869934	0.0021094	0.00150103
2101 May	0.001932597	0.108036406	1.05095E-05	10.63739967	11.50773239	0.109945223	0.00403351	32.41698837	0.006715787	0.01177925	0.000796414	0.001327709	0.000591408	0.545161664	1.01866E-05	0.0021412	0.000880817	0.002110371	0.001477691

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.001856954	0.105472915	1.01744E-05	10.40791321	11.08401012	0.106988885	0.003932945	29.70838737	0.006395537	0.011433804	0.000773796	0.001281495	0.000571397	0.530127048	9.98528E-06	0.002092637	0.000857191	0.002049322	0.00142481
2101 Jul	0.001956977	0.110607207	1.07075E-05	10.9519062	11.68274117	0.112510666	0.004140871	31.54682732	0.006754882	0.012023058	0.000813916	0.001351769	0.000602365	0.558112144	1.05098E-05	0.002202809	0.000901548	0.002159875	0.001503023
2101 Aug	0.00205384	0.115614988	1.12044E-05	11.42788029	12.25041294	0.117719889	0.004324393	33.59034348	0.007107813	0.012567171	0.000852585	0.001416645	0.000631124	0.583496213	1.09657E-05	0.002298632	0.000943707	0.002260935	0.001575407
2101 Sep	0.002043569	0.11427021	1.11144E-05	11.19454384	12.13628101	0.115994371	0.004245538	34.38650894	0.007095058	0.012435272	0.000841636	0.001400053	0.000623728	0.574193418	1.07468E-05	0.002250714	0.000931625	0.00223722	0.001557437
2101 Oct	0.002045617	0.113589458	1.10632E-05	11.07110691	12.11893082	0.115312062	0.004206797	35.28971863	0.007129913	0.012369797	0.00083833	0.001395951	0.000621633	0.570070207	1.06273E-05	0.002225943	0.000927856	0.002227144	0.001553409
2101 Nov	0.002013807	0.111669883	1.08811E-05	10.77041245	11.88035107	0.11269892	0.004098512	35.26045227	0.007020956	0.012159597	0.000820289	0.001365591	0.000608106	0.556374907	1.03438E-05	0.00216422	0.000909337	0.002184744	0.001519677
2101 Dec	0.002010322	0.111598551	1.08702E-05	10.73012543	11.8474369	0.112378888	0.004083594	35.22461319	0.007004447	0.012145772	0.000818035	0.001361165	0.000606171	0.554545701	1.03069E-05	0.002155595	0.000907434	0.002180641	0.001514631
2102 Jan	0.002011152	0.11160671	1.08707E-05	10.72966003	11.85210514	0.112406641	0.004083701	35.28028488	0.007009153	0.012145845	0.000818313	0.001361646	0.000606365	0.554620147	1.03061E-05	0.002155526	0.000907715	0.002180992	0.001515189
2102 Feb	0.002011544	0.111633182	1.08724E-05	10.73114491	11.85430908	0.112429939	0.004084261	35.29001999	0.007010557	0.012147852	0.000818474	0.001361875	0.000606466	0.554709256	1.03075E-05	0.00215581	0.000907921	0.002181356	0.001515438
2102 Mar	0.002012674	0.111698046	1.08783E-05	10.73683071	11.86092186	0.112493798	0.004086425	35.31169128	0.007014535	0.012154447	0.000818934	0.001362621	0.000606798	0.555010259	1.03129E-05	0.002156945	0.000908446	0.002182544	0.001516266
2102 Apr	0.002018344	0.112015314	1.0909E-05	10.76700592	11.89430428	0.112811625	0.004097901	35.41099548	0.007034257	0.012188706	0.000821243	0.001366449	0.000608503	0.556571603	1.03419E-05	0.002163002	0.000911017	0.002188687	0.001520523
2102 May	0.002046043	0.113556959	1.10586E-05	10.91441441	12.05744362	0.114360735	0.004153993	35.8981781	0.007130781	0.012355907	0.000832527	0.001385178	0.000616843	0.564198077	1.04835E-05	0.002192603	0.000923544	0.002218716	0.001541355
2102 Jun	0.001914807	0.104766279	1.05811E-05	10.5473547	11.37309551	0.107123427	0.004013453	32.2610321	0.006684325	0.011741013	0.000773802	0.001324737	0.000587122	0.539032102	1.01707E-05	0.002126056	0.000864396	0.002139053	0.00146977
2102 Jul	0.00189663	0.102350935	1.05948E-05	10.69799232	11.32726765	0.106149323	0.004070044	30.903162	0.006618279	0.011730407	0.000762116	0.001330483	0.000588606	0.54215914	1.03444E-05	0.002161273	0.000851994	0.002150068	0.001476048
2102 Aug	0.001951345	0.105138861	1.09018E-05	10.93788719	11.62946129	0.108775854	0.004164064	32.11937714	0.006814236	0.012047787	0.000781573	0.001364529	0.000603765	0.55524683	1.05806E-05	0.00220902	0.000873371	0.002208394	0.001513873
2102 Sep	0.001962705	0.105655253	1.09716E-05	10.92839527	11.66683388	0.108913139	0.004163858	32.59098053	0.006853903	0.012110046	0.000782911	0.001367059	0.000605041	0.555697739	1.05764E-05	0.00220619	0.00087524	0.002217296	0.001516769
2102 Oct	0.001909065	0.102230459	1.06753E-05	10.62633419	11.34902382	0.105490036	0.004058353	31.79253578	0.006674181	0.011780677	0.000757689	0.001329239	0.000588617	0.540345967	1.02776E-05	0.002147328	0.000845328	0.002146418	0.001476181
2102 Nov	0.001915768	0.102379352	1.06968E-05	10.64790821	11.38951302	0.105765253	0.004068366	32.06142426	0.006705422	0.011802977	0.00075994	0.001333814	0.000590595	0.541759491	1.02967E-05	0.002152034	0.000847447	0.002151136	0.00148149
2102 Dec	0.001918157	0.1024267	1.07024E-05	10.65262032	11.40355301	0.105861425	0.004070728	32.17764664	0.006717279	0.011808353	0.000760794	0.001335376	0.000591251	0.542167127	1.03007E-05	0.002153066	0.00084829	0.002152774	0.001483283
2103 Jan	0.001918495	0.102443323	1.07038E-05	10.65374947	11.40544796	0.105878152	0.004071189	32.18813705	0.006718614	0.011809905	0.000760918	0.001335581	0.00059134	0.542238116	1.03018E-05	0.00215329	0.000848436	0.002153075	0.001483511
2103 Feb	0.00191915	0.102482975	1.07074E-05	10.65726662	11.40928936	0.105915993	0.004072516	32.19880676	0.006720841	0.011813978	0.000761181	0.001336018	0.000591534	0.542419553	1.03052E-05	0.002153991	0.000848747	0.0021538	0.001483993
2103 Mar	0.001920593	0.102562584	1.07155E-05	10.66521454	11.4178381	0.105996542	0.004075544	32.22283936	0.006725857	0.011822882	0.000761756	0.001337013	0.000591975	0.542825341	1.03128E-05	0.002155592	0.000849397	0.002155414	0.001485095
2103 Apr	0.001928049	0.102962174	1.07571E-05	10.7065773	11.4621439	0.106408529	0.004091346	32.3478241	0.006751945	0.011868789	0.000764714	0.001342197	0.000594271	0.544931293	1.03528E-05	0.002163949	0.000852701	0.002163778	0.001490852
2103 May	0.001949205	0.10568478	1.08256E-05	10.73984146	11.57634926	0.108294509	0.004099681	32.99714661	0.006823814	0.011954489	0.00078196	0.001351137	0.000598578	0.548470855	1.03739E-05	0.002167181	0.000872336	0.002181811	0.001498475
2103 Jun	0.001840827	0.101660147	1.02013E-05	10.41128922	11.02413559	0.104736045	0.003959652	29.68486023	0.006404312	0.01133069	0.000756364	0.001288456	0.000572161	0.528051615	1.00557E-05	0.002099423	0.000840014	0.002069554	0.001428421
2103 Jul	0.001884015	0.102896653	1.04422E-05	10.71314716	11.30648136	0.106914259	0.004078355	30.36559105	0.006572063	0.011580152	0.000771049	0.00132514	0.000588068	0.542363346	1.03547E-05	0.002163112	0.00085414	0.00212059	0.00147013
2103 Aug	0.001909325	0.103433713	1.05902E-05	10.83389187	11.45718479	0.107715167	0.004131958	31.10904121	0.00668188	0.011692446	0.000777524	0.001343264	0.000596269	0.548720539	1.04705E-05	0.002189965	0.000855565	0.002138974	0.001491313
2103 Sep	0.001910314	0.101924539	1.05337E-05	10.83911705	11.48734474	0.107271329	0.00414602	31.5745697	0.006720469	0.011628044	0.000773913	0.00134722	0.000598202	0.549247742	1.04673E-05	0.002194579	0.000847653	0.002124259	0.001498446
2103 Oct	0.001864298	0.097561158	1.02404E-05	10.67331028	11.23406506	0.104094334	0.004094078	30.52450562	0.006560177	0.011340391	0.000747694	0.001319182	0.000586574	0.539053619	1.03137E-05	0.002164938	0.000814416	0.002057501	0.001472674
2103 Nov	0.001855199	0.096563019	1.01767E-05	10.63511181	11.18072224	0.103371665	0.004082541	30.34070969	0.006528382	0.011279565	0.000741706	0.001313155	0.000584103	0.536798179	1.02797E-05	0.002158018	0.000806855	0.002042877	0.001467436
2103 Dec	0.001857125	0.0965892	1.01801E-05	10.63745975	11.1919241	0.103442401	0.004083991	30.44613647	0.006538438	0.011282541	0.00074237	0.001314383	0.000584613	0.537079632	1.02815E-05	0.002158566	0.000807492	0.002044026	0.001468858
2104 Jan	0.001857282	0.096598648	1.01806E-05	10.63769054	11.19270802	0.103449784	0.004084096	30.45204735	0.006539047	0.011283183	0.000742422	0.001314455	0.000584645	0.537102401	1.02817E-05	0.002158605	0.000807565	0.00204414	0.001468937
2104 Feb	0.001857519	0.096616916	1.01819E-05	10.63888931	11.19406605	0.103465088	0.004084536	30.45554161	0.006539796	0.011284675	0.000742521	0.001314599	0.000584709	0.53716588	1.02828E-05	0.002158836	0.000807695	0.002044389	0.001469093
2104 Mar	0.001859005	0.09669745	1.01901E-05	10.64731693	11.20298672	0.103549019	0.00408776	30.479702	0.006544982	0.011293734	0.000743117	0.001315639	0.000585172	0.537593067	1.02909E-05	0.00216054	0.000808355	0.002046019	0.001470251
2104 Apr	0.001870431	0.097293362	1.02527E-05	10.71268749	11.27182198	0.104186006	0.004112852	30.66713333	0.006585194	0.011363139	0.000747686	0.001323718	0.000588765	0.540895045	1.03541E-05	0.002173801	0.000813332	0.002058588	0.001479278
2104 May	0.001871891	0.101081893	1.0301E-05	10.63333321	11.22911358	0.105479434	0.004067441	30.30752945	0.006533175	0.01143525	0.000760761	0.001311879	0.000584307	0.53831917	1.02753E-05	0.002149661	0.000832501	0.002067602	0.001461192
2104 Jun	0.001786389	0.09829063	9.86461E-06	10.37358379	10.77534103	0.10260395	0.003952627	27.46216011	0.006186408	0.010993639	0.000738996	0.001261053	0.00056252	0.521909714	1.0029E-05	0.002094941	0.000808719	0.001989813	0.001403424
2104 Jul	0.001848872	0.101387061	1.02187E-05	10.70631504	11.14044762	0.105829611	0.004080988	28.6159687	0.006410414	0.011368738	0.000762424	0.001304695	0.000581592	0.538931489	1.03579E-05	0.002162407	0.000834689	0.002062041	0.001451599
2104 Aug	0.001893393	0.103567742	1.04603E-05	10.87275314	11.37813377	0.107809313	0.004147968	29.76414871	0.006573787	0.011610273	0.000777604	0.001330853	0.000593282	0.548543453	1.05238E-05	0.002195284	0.000850797	0.002106759	0.001480771
2104 Sep	0.001881462	0.101868778	1.03743E-05	10.76609898	11.31052113	0.106558047	0.004117353	30.06528473	0.006560581	0.011487192	0.000768559	0.00132238	0.00058968	0.543878853	1.04153E-05	0.002175788	0.000838178	0.002082827	0.001472725
2104 Oct	0.00186605	0.099162385	1.02461E-05	10.78658104	11.28057289	0.105452932	0.004138949	29.83536911	0.006542365	0.011351441	0.000758594	0.001321824	0.000589659	0.543601632	1.04197E-05	0.00218612	0.000821747	0.002051058	0.001475702
2104 Nov	0.001860882	0.098455578	1.02086E-05	10.76953125	11.25110149	0.104983822	0.004134864	29.72177505	0.006524763	0.011316917	0.000754543	0.001318693	0.000588395	0.542451799	1.04057E-05	0.002183405	0.000816567	0.002042186	0.001473341
2104 Dec	0.001862844	0.098492317	1.02129E-05	10.77318764	11.26262283	0.105061755	0.004136753	29.81895447	0.00653458	0.011321081	0.00075524	0.00131997	0.000588932	0.542779505	1.04087E-05	0.002184212	0.000817249	0.002043488	0.001474813
2105 Jan	0.001863618	0.098495163	1.02132E-05	10.77293682	11.26712418	0.105087452	0.004136939	29.87158203	0.006539083	0.011320979	0.000755503	0.001320446	0.000589124	0.542856276	1.04082E-05	0.002184197	0.000817499	0.00204381	0.001475371
2105 Feb	0.00186394	0.098514289	1.02147E-05	10.77437019	11.26900673	0.105106115	0.004137491	29.87906265	0.006540264	0.011322656	0.000755634	0.001320651	0.000589215	0.542936623	1.04095E-05	0.00218448	0.000817656	0.00204412	0.001475598
2105 Mar	0.001864472	0.098544672	1.02175E-05	10.77733135	11.27218723	0.105136856	0.004138621	29.8877697	0.006542106	0.011325866	0.000755851	0.001321017	0.000589378	0.543087959	1.04124E-05	0.002185076	0.0008179	0.002044694	0.001476005
2105 Apr	0.001870748	0.098877877	1.02519E-05	10.8135643	11.31011486	0.105491295	0.00415253	29.98832893	0.006564109	0.011364	0.000758396	0.001325458	0.00059136	0.544914603	1.04474E-05	0.002192419	0.00082066	0.002051573	0.001480965
2105 May	0.001873846	0.101728916	1.02881E-05	10.7616024	11.29419804	0.106587209	0.004121904	29.83493996	0.006537944	0.011417308	0.000769324	0.001318563	0.000588822	0.54351151	1.03936E-05	0.002176111	0.00083605	0.002059534	0.001469636
2105 Jun	0.001857449	0.103179038	1.02375E-05	10.72971249	11.19928932	0.10697183	0.004096602	28.78105736	0.006436567	0.011385116	0.000773152	0.001305934	0.000583757	0.541052461	1.03648E-05	0.002165457	0.000842748	0.002053866	0.001452632
2105 Jul	0.001922636	0.106637612	1.05948E-05	11.03230095	11.56741333	0.11026182	0.004214204	30.16880989	0.006670871	0.011760894	0.000797987	0.001348257	0.0006024	0.557280779	1.0662E-05	0.002226162	0.00086977	0.00212429	0.001499202
2105 Aug	0.001928058	0.104861915	1.05742E-05	11.09045982	11.65170383	0.110094555	0.004250098	30.88620758	0.006750612	0.01168668	0.00079683	0.00136042	0.000607813	0.560307145	1.0705E-05	0.002243435	0.000860885	0.002115598	0.001515136
2105 Sep	0.001905269	0.100235328	1.03468E-05	11.0437603	11.58334446	0.108089156	0.004251031	31.00710487	0.006735074	0.011423677	0.000779968	0.001356152	0.000606159	0.557070494	1.06525E-05	0.002241309	0.000834446	0.002069033	0.001516348
2105 Oct	0.001882204	0.096975356	1.01441E-05	10.93480396	11.46222019	0.10610915	0.004220161	30.88329506	0.006679164	0.011220987	0.000764063	0.001343665	0.000600685	0.551148713	1.055E-05	0.002222913	0.000813872	0.00202905	0.001506575
2105 Nov	0.001871098	0.095874108	1.00731E-05	10.88255119	11.39464664	0.105242603	0.004202907	30.66642189	0.006639985	0.011151209	0.000756992	0.001336171	0.000597459	0.548190117	1.0503E-05	0.002213134	0.000805553	0.002013456	0.001499549
2105 Dec	0.001872225	0.095889062	1.00751E-05	10.88354969	11.40104485	0.105281517	0.004203635	30.72943306	0.006645862	0.01115292	0.000757364	0.001336862	0.000597746	0.54834038	1.05037E-05	0.002213376	0.000805913	0.002014104	0.001500353
2106 Jan	0.001872344	0.095896974	1.00755E-05	10.88358879	11.40160179	0.105286941	0.004203665	30.73448563	0.006646326	0.011153374	0.000757402	0.001336907	0.000597765	0.548352957	1.05037E-05	0.002213375	0.00080597	0.002014179	0.001500402
2106 Feb	0.001872458	0.09590847	1.00761E-05	10.88404465	11.40222168	0.105295286	0.004203822	30.73633194	0.00664666	0.011154066	0.000757451	0.001336964	0.000597791	0.548379779	1.05041E-05	0.002213456	0.000806045	0.002014287	0.00150046
2106 Mar	0.0018732	0.095949747	1.00801E-05	10.88826561	11.40669632	0.105338126	0.004205441	30.7482872	0.006649244	0.011158514	0.000757753	0.00133748	0.000598023	0.548594117	1.05081E-05	0.002214307	0.00080638	0.002015079	0.001501037
2106 Apr	0.001881499	0.096376739	1.01247E-05	10.93645382	11.45721054	0.105805479	0.004224046	30.88439178	0.006678676	0.01120797	0.000761112	0.001343399	0.000600669	0.551023006	1.05546E-05	0.002224103	0.000809961	0.002024004	0.001507677
2106 May	0.001905206	0.098693006	1.0257E-05	11.01542568	11.57924557	0.107392304	0.004251042	31.34647751	0.006751437	0.011354897	0.000774172	0.001355213	0.000606058	0.555963278	1.06288E-05	0.002237643	0.000825823	0.002050671	0.001519223
2106 Jun	0.001808153	0.096734956	9.86794E-06	10.61015892	10.99627399	0.103665963	0.004071568	28.18412399	0.006335923	0.010937031	0.000746826	0.001289945	0.000576639	0.532801807	1.02586E-05	0.002149769	0.00080453	0.00198652	0.001440343
2106 Jul	0.001872872	0.099391282	1.0244E-05	10.99410534	11.38830853	0.106918566	0.004220701	29.30783653	0.006576038	0.01132582	0.000769659	0.001339353	0.000597883	0.551738262	1.06433E-05	0.00222891	0.000829927	0.002066982	0.001494964
2106 Aug	0.001887383	0.09917552	1.03074E-05	10.98789883	11.46037674	0.106905177	0.004227538	30.26346779	0.006658924	0.011340076	0.000770834	0.001346887	0.000601278	0.552777171	1.06367E-05	0.00222923	0.000826909	0.002071316	0.001504258
2106 Sep	0.001889682	0.09658318	1.02402E-05	11.09563255	11.56382179	0.106771052	0.004287153	30.82022858	0.006741088	0.011230472	0.000768571	0.00136218	0.000608338	0.557635784	1.07148E-05	0.002258794	0.000815689	0.002053171	0.001525553
2106 Oct	0.001896608	0.095786743	1.02087E-05	11.08955383	11.60691261	0.106647991	0.004292659	31.44904518	0.006791746	0.011202536	0.000767942	0.001366986	0.000610385	0.558148801	1.07063E-05	0.002259352	0.000813282	0.002048481	0.001532887
2106 Nov	0.001903038	0.096016116	1.02345E-05	11.11675739	11.64574814	0.106962219	0.004303912	31.6443634	0.006818706	0.011230115	0.000770381	0.001371457	0.000612339	0.55970943	1.0732E-05	0.002265003	0.000815763	0.002054224	0.001537983
2106 Dec	0.001904584	0.096044682	1.0238E-05	11.11974335	11.6548748	0.107024029	0.004305448	31.72057915	0.006826456	0.01123339	0.000770932	0.001372471	0.000612766	0.559971511	1.07345E-05	0.002265663	0.0008163	0.002055253	0.001539155
2107 Jan	0.001904768	0.096053258	1.02387E-05	11.120224	11.65589237	0.107032791	0.004305657	31.72722435	0.006827217	0.011234113	0.000770998	0.001372577	0.000612812	0.560005844	1.0735E-05	0.002265758	0.000816378	0.002055397	0.001539274
2107 Feb	0.00190532	0.096082807	1.02414E-05	11.12314129	11.65921783	0.107064202	0.004306787	31.73797607	0.006829224	0.011237186	0.000771221	0.001372958	0.000612981	0.560158372	1.07378E-05	0.002266347	0.000816626	0.002055964	0.0015397
2107 Mar	0.001907135	0.096175358	1.02511E-05	11.13357925	11.67029858	0.107166454	0.004310829	31.7689991	0.006835742	0.0112478	0.000771956	0.001374257	0.000613561	0.560687065	1.07478E-05	0.002268471	0.000817411	0.002057907	0.001541155
2107 Apr	0.001911354	0.096388981	1.02738E-05	11.15815258	11.696105	0.107403822	0.004320341	31.83947563	0.006850862	0.011272666	0.000773665	0.001377292	0.000614916	0.561925709	1.07716E-05	0.002273476	0.000819224	0.002062455	0.001544559
2107 May	0.001906302	0.097934626	1.02842E-05	11.12086391	11.64357758	0.107750118	0.00429723	31.33149529	0.006796385	0.011298504	0.000777171	0.001368566	0.000611469	0.560083807	1.07363E-05	0.002262194	0.000825612	0.002063371	0.001532669
2107 Jun	0.001859098	0.099974215	1.0158E-05	10.88587379	11.31130791	0.106780954	0.004181844	29.15244293	0.006529475	0.011193939	0.000771583	0.00132569	0.000593114	0.547251046	1.05193E-05	0.002205463	0.000827679	0.002038925	0.001478741
2107 Jul	0.001904132	0.102352969	1.04126E-05	11.04456139	11.54558659	0.108740762	0.0042449	30.32292938	0.006694011	0.011445479	0.000787122	0.001352211	0.000604581	0.5565328	1.0681E-05	0.002236744	0.000845002	0.002088056	0.001507355
2107 Aug	0.001973476	0.105740696	1.07711E-05	11.36505032	11.94417477	0.112226307	0.004371615	31.9063282	0.006951379	0.011820324	0.000813449	0.001397724	0.000624808	0.57387501	1.09932E-05	0.002301459	0.00087257	0.002158569	0.00155825
2107 Sep	0.002000397	0.106502831	1.08638E-05	11.37869358	12.07256699	0.112951718	0.004384841	33.19148254	0.007070384	0.011911964	0.000820229	0.001410317	0.00063022	0.576726079	1.10072E-05	0.002304084	0.000880022	0.002176516	0.001572886
2107 Oct	0.001991935	0.104835391	1.07626E-05	11.31970787	12.0450058	0.112089835	0.004372451	33.53461838	0.007076447	0.011798193	0.000814127	0.001407584	0.000628864	0.574234664	1.09379E-05	0.002295519	0.000870673	0.002154744	0.001571402
2107 Nov	0.001987458	0.104138322	1.07307E-05	11.33883476	12.0425415	0.111870602	0.004383264	33.41927719	0.00707161	0.011763927	0.000811975	0.00140838	0.000629261	0.574675322	1.09492E-05	0.002301413	0.000866649	0.002146647	0.001573019
2107 Dec	0.001990033	0.104160517	1.07339E-05	11.34097195	12.0576992	0.111962765	0.004384911	33.57126236	0.007085675	0.011766334	0.000812869	0.001410038	0.000629946	0.575023115	1.09505E-05	0.002301963	0.000867489	0.002148045	0.001574958
2108 Jan	0.001990898	0.104174152	1.07352E-05	11.34186268	12.06274796	0.111996055	0.0043855	33.61961746	0.007090231	0.011767472	0.000813174	0.001410583	0.000630172	0.575145185	1.09511E-05	0.002302173	0.000867793	0.002148539	0.001575591
2108 Feb	0.001991221	0.104189172	1.07363E-05	11.34284782	12.06463146	0.11201299	0.004385911	33.63114929	0.007091605	0.011768654	0.000813301	0.001410784	0.000630259	0.575211644	1.0952E-05	0.00230237	0.00086794	0.002148797	0.001575817
2108 Mar	0.001993344	0.104302481	1.07477E-05	11.35482311	12.07746601	0.11213319	0.004390536	33.66730499	0.007099151	0.011781176	0.00081417	0.001412278	0.000630926	0.57582128	1.09636E-05	0.002304796	0.000868877	0.002151079	0.001577483
2108 Apr	0.002010241	0.105198637	1.08388E-05	11.4507494	12.17969513	0.113087893	0.004427585	33.95186234	0.007159149	0.011881158	0.000821079	0.001424201	0.000636254	0.580692053	1.10561E-05	0.002324242	0.000876297	0.002169291	0.00159079

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.002046202	0.107330814	1.1033E-05	11.64452362	12.39322472	0.115178302	0.004501697	34.5650444	0.007284152	0.012095558	0.000836238	0.001448542	0.000647151	0.590708435	1.12425E-05	0.00236302	0.000893172	0.002207998	0.001617644
2108 Jun	0.00196133	0.106097348	1.08274E-05	11.21682072	11.83746719	0.111121126	0.004318933	31.92085075	0.006913099	0.011828355	0.000806141	0.001386719	0.000618366	0.567316771	1.08543E-05	0.002270983	0.000873096	0.002168614	0.001539654
2108 Jul	0.002048175	0.110563621	1.13302E-05	11.70215988	12.35619259	0.115804523	0.004506258	33.43591309	0.007226177	0.012359662	0.000840038	0.00144928	0.000645625	0.591887116	1.13315E-05	0.00236957	0.000911569	0.002273032	0.001607935
2108 Aug	0.002155835	0.116019167	1.19016E-05	12.25056362	12.9910841	0.121530145	0.004720813	35.62138367	0.007619977	0.012968671	0.000882411	0.001522704	0.000678251	0.620678425	1.18635E-05	0.002480504	0.00095709	0.002387373	0.001689682
2108 Sep	0.0021759	0.116517231	1.19679E-05	12.25282192	13.08623219	0.122037046	0.004728054	36.64578247	0.007711806	0.013028814	0.000887324	0.001531914	0.000682213	0.622549713	1.18664E-05	0.002480834	0.000962299	0.002400247	0.001700465
2108 Oct	0.002092679	0.112021156	1.15287E-05	11.62818813	12.50940418	0.11614807	0.004496409	35.69152832	0.007403269	0.01255265	0.000844843	0.001460153	0.000650521	0.592583537	1.12715E-05	0.002352932	0.000918405	0.002298284	0.001621262
2108 Nov	0.002085725	0.111574739	1.14939E-05	11.57695007	12.46134472	0.115593262	0.004478703	35.61236191	0.007378091	0.01251476	0.000840708	0.001454122	0.000647901	0.590099633	1.12217E-05	0.002342755	0.000913891	0.002288509	0.0016148
2108 Dec	0.002087976	0.111613452	1.14986E-05	11.58065224	12.47454548	0.115680963	0.004480728	35.72776413	0.007389548	0.012519055	0.000841504	0.001455579	0.000648512	0.590459526	1.12248E-05	0.002343585	0.000914667	0.002289961	0.001616489
2109 Jan	0.00208823	0.111625217	1.14995E-05	11.58124447	12.47593498	0.115692817	0.004480991	35.73734283	0.007390611	0.012520019	0.000841595	0.001455723	0.000648574	0.590504467	1.12253E-05	0.002343702	0.000914775	0.002290158	0.001616651
2109 Feb	0.002088669	0.111653075	1.15019E-05	11.58350754	12.47849846	0.115718685	0.004481853	35.74491882	0.007392112	0.012522644	0.000841774	0.001456009	0.000648702	0.5906232	1.12275E-05	0.00234415	0.000914989	0.002290624	0.001616965
2109 Mar	0.002091087	0.11178495	1.15152E-05	11.59684658	12.49291515	0.115853585	0.004487004	35.78615189	0.007400632	0.012537163	0.000842751	0.001457685	0.000649448	0.591304719	1.12404E-05	0.002346844	0.00091606	0.002293271	0.001618823
2109 Apr	0.002103035	0.112426244	1.1581E-05	11.66303825	12.5642643	0.116516456	0.004512606	35.99043274	0.007442879	0.01260882	0.000847568	0.001466003	0.000653155	0.594681084	1.13046E-05	0.002360234	0.000921306	0.002306368	0.001628058
2109 May	0.002094976	0.114470288	1.15832E-05	11.65017414	12.51346493	0.117238753	0.004496368	35.21674728	0.007373224	0.012630727	0.00085424	0.001457109	0.000649878	0.593695104	1.12841E-05	0.002353754	0.000930533	0.002305197	0.001614979
2109 Jun	0.002065921	0.116485111	1.15019E-05	11.6175642	12.36158752	0.117685184	0.00446443	33.43008041	0.007205531	0.012580592	0.000858717	0.001437101	0.000641959	0.590266049	1.12432E-05	0.002342236	0.000937889	0.002290859	0.001587892
2109 Jul	0.002114494	0.118480735	1.17439E-05	11.8028326	12.63644314	0.119803697	0.004541292	34.8863678	0.007403288	0.012812227	0.000875748	0.001469105	0.000655749	0.60103333	1.14249E-05	0.002380581	0.000954892	0.002339099	0.001623205
2109 Aug	0.00217237	0.120719127	1.20281E-05	12.072505	12.9815197	0.122498721	0.004652165	36.42205429	0.007636951	0.013088739	0.000896674	0.001509419	0.000673588	0.615667403	1.16842E-05	0.002437032	0.000973573	0.002392469	0.001668841
2109 Sep	0.002166381	0.118508592	1.19021E-05	12.01465034	12.97597313	0.121615827	0.004643229	37.07123184	0.007667745	0.012944989	0.000890517	0.001509297	0.000673448	0.613549829	1.16172E-05	0.002429402	0.000962645	0.002368306	0.001671402
2109 Oct	0.002078549	0.110519737	1.13273E-05	11.74816799	12.54628849	0.116419427	0.00455582	35.23211288	0.007391105	0.012369004	0.000848216	0.00146444	0.000654195	0.5966236	1.13531E-05	0.002384159	0.000907962	0.002252478	0.001628573
2109 Nov	0.002079081	0.110200904	1.13134E-05	11.74891567	12.5512886	0.116321243	0.004558065	35.32152176	0.007397957	0.01235809	0.000847355	0.001465104	0.00065452	0.596693337	1.13545E-05	0.002384843	0.000906438	0.002250097	0.001629995
2109 Dec	0.002081752	0.110249884	1.13192E-05	11.75385094	12.56706142	0.116428047	0.004560655	35.45484161	0.007411435	0.012363516	0.000848314	0.001466852	0.000655256	0.597138822	1.13587E-05	0.002385939	0.000907371	0.002251859	0.00163202
2110 Jan	0.002082393	0.110276125	1.13217E-05	11.75607395	12.57079887	0.116459236	0.004561591	35.47628021	0.007414131	0.012366128	0.000848557	0.001467266	0.000655436	0.597277761	1.13608E-05	0.002386393	0.000907634	0.002252408	0.001632488
2110 Feb	0.002083009	0.110311233	1.13248E-05	11.75923634	12.57446003	0.116494417	0.004562817	35.48821259	0.00741634	0.012369613	0.000848808	0.001467681	0.000655621	0.597444534	1.13638E-05	0.002387028	0.000907918	0.002253043	0.001632947
2110 Mar	0.002084712	0.110403858	1.13341E-05	11.7687912	12.58471584	0.116590559	0.004566516	35.51707458	0.00742237	0.012379754	0.000849504	0.001468872	0.000656153	0.597931206	1.1373E-05	0.002388963	0.000908671	0.002254882	0.00163427
2110 Apr	0.002091893	0.110785507	1.13731E-05	11.80929089	12.62804699	0.116992623	0.004582226	35.63931274	0.007447916	0.012422409	0.000852431	0.001473926	0.000658411	0.599989533	1.14122E-05	0.002397181	0.000911808	0.002262646	0.001639892
2110 May	0.002111841	0.112186253	1.14541E-05	11.88336372	12.74466515	0.11827378	0.004610276	36.18731308	0.007523604	0.012514167	0.000863053	0.001486151	0.000663883	0.604556262	1.14801E-05	0.002411284	0.00092351	0.002281736	0.001652861
2110 Jun	0.001978161	0.107461557	1.0737E-05	11.3205471	11.99465466	0.113020405	0.004371454	32.6737442	0.007004369	0.011784985	0.000825363	0.001400266	0.000625968	0.573335826	1.09428E-05	0.002293264	0.000885711	0.002160898	0.001553251
2110 Jul	0.002028461	0.109808207	1.10354E-05	11.60861969	12.29607487	0.115588523	0.004483819	33.56352615	0.007189077	0.012090533	0.000843902	0.001437464	0.000642091	0.587705016	1.12301E-05	0.002352406	0.000905961	0.002222405	0.001593833
2110 Aug	0.001971485	0.103187628	1.06977E-05	11.55287743	12.06833839	0.112093411	0.004476565	32.21667099	0.007038333	0.011666845	0.000814339	0.001418355	0.000634557	0.580942035	1.11697E-05	0.002351038	0.000858354	0.002142934	0.001579848
2110 Sep	0.001925494	0.097966224	1.03631E-05	11.37642193	11.82971096	0.108804435	0.004422036	31.50352478	0.006903458	0.01132109	0.000787181	0.001392941	0.000623821	0.570646167	1.10003E-05	0.002320365	0.000823356	0.002073474	0.001558137
2110 Oct	0.001878566	0.093755499	1.00733E-05	11.18618488	11.55330849	0.105491437	0.004357346	30.36589241	0.00672937	0.011047322	0.00075961	0.001362161	0.000610708	0.559342265	1.08238E-05	0.00228489	0.000791153	0.002009345	0.001529175
2110 Nov	0.001869914	0.09281458	1.00064E-05	11.1415863	11.50368404	0.104835436	0.004342604	30.26313782	0.006703182	0.010981008	0.000754378	0.001356655	0.000608302	0.556983471	1.0781E-05	0.002276646	0.000784831	0.001995854	0.001524257
2110 Dec	0.001872358	0.092844978	1.00104E-05	11.14443302	11.51796818	0.104925051	0.004344447	30.39849281	0.006716081	0.010984463	0.000755221	0.001358218	0.000608953	0.557336509	1.07832E-05	0.002277324	0.000785637	0.001997284	0.001526087
2111 Jan	0.001873157	0.092856117	1.00114E-05	11.14490223	11.52258492	0.104954652	0.004344877	30.44553757	0.006720379	0.010985251	0.000755498	0.001358709	0.000609156	0.557437539	1.07834E-05	0.002277446	0.000785915	0.001997706	0.001526661
2111 Feb	0.00187344	0.092867889	1.00121E-05	11.14544868	11.52421665	0.104968801	0.004345131	30.45806503	0.006721681	0.010985988	0.000755606	0.001358877	0.000609228	0.557485819	1.07838E-05	0.002277555	0.000786043	0.001997896	0.001526852
2111 Mar	0.001876482	0.093021199	1.00283E-05	11.16337013	11.54288578	0.10514003	0.004352112	30.50805092	0.006732581	0.011003773	0.000756834	0.00136107	0.00061021	0.558385432	1.08012E-05	0.002281212	0.000787333	0.002001126	0.001529313
2111 Apr	0.001888342	0.093610995	1.00917E-05	11.23387527	11.61581802	0.105805211	0.004379593	30.70075607	0.006775107	0.01107334	0.000761619	0.001369665	0.000614064	0.561913073	1.08694E-05	0.002295616	0.000792318	0.002013771	0.001538969
2111 May	0.001901916	0.096254788	1.02058E-05	11.29200077	11.6741066	0.107214674	0.004393305	30.55478477	0.006788121	0.011208352	0.000773115	0.001373657	0.000616254	0.565115035	1.09247E-05	0.00230351	0.0008075	0.002035109	0.00154093
2111 Jun	0.001840755	0.098641381	1.00142E-05	10.99798203	11.27088547	0.10622257	0.004247611	27.95703888	0.006465414	0.011030474	0.000768347	0.001322217	0.00059398	0.549344659	1.06402E-05	0.002233232	0.00081197	0.002001944	0.00147556
2111 Jul	0.00193626	0.10351298	1.05251E-05	11.4964838	11.83732891	0.111342721	0.004442478	29.84273529	0.006815172	0.011575129	0.000806337	0.001388598	0.000623282	0.575246156	1.11266E-05	0.002334308	0.000853237	0.002106692	0.001548886
2111 Aug	0.00192949	0.101528756	1.04648E-05	11.43496609	11.81813145	0.110277325	0.004430536	30.39480782	0.006840297	0.011444042	0.000799146	0.001387388	0.000622758	0.57275027	1.10586E-05	0.002325847	0.000838838	0.002086379	0.001549353
2111 Sep	0.001951637	0.100386053	1.0495E-05	11.5786438	12.01403713	0.111160964	0.004501267	31.56461525	0.006991579	0.011438305	0.000805596	0.001412252	0.000633768	0.580553353	1.11771E-05	0.002360717	0.000839238	0.002092688	0.001580127
2111 Oct	0.00191593	0.096757382	1.02389E-05	11.4220829	11.81898975	0.108654767	0.004448499	31.02065468	0.006881087	0.011185424	0.000785495	0.001391321	0.000624523	0.571823001	1.10254E-05	0.002332379	0.000814918	0.002042187	0.001560679
2111 Nov	0.001895129	0.094768628	1.00984E-05	11.31520653	11.69362831	0.107099541	0.004411398	30.68708992	0.006810635	0.011047739	0.000773055	0.001377293	0.000618357	0.566065133	1.09246E-05	0.002312121	0.000800576	0.00201317	0.001547276
2111 Dec	0.001897526	0.094786026	1.01022E-05	11.31814384	11.70759201	0.107179701	0.004413369	30.81962585	0.006823302	0.011051171	0.000773806	0.001378822	0.000618998	0.566412807	1.09269E-05	0.002312843	0.000801267	0.002014454	0.0015491
2112 Jan	0.001898411	0.094796985	1.01032E-05	11.3188076	11.71281242	0.107213184	0.004413909	30.8718605	0.006828119	0.01105196	0.000774117	0.001379382	0.000619229	0.566530883	1.09273E-05	0.002313014	0.000801574	0.002014913	0.001549756
2112 Feb	0.001899444	0.09482614	1.0106E-05	11.32230949	11.71930695	0.10726431	0.004415455	30.9134407	0.006833017	0.011054869	0.000774524	0.001380116	0.000619545	0.566759646	1.09304E-05	0.002313762	0.000801983	0.002015672	0.001550599
2112 Mar	0.001903326	0.095008723	1.01253E-05	11.3436842	11.74318504	0.107478358	0.00442389	30.99104118	0.006847603	0.011075762	0.000776093	0.001382904	0.000620789	0.567862689	1.09509E-05	0.002318141	0.000803608	0.002019606	0.001553741
2112 Apr	0.001913792	0.095529251	1.01805E-05	11.40552235	11.80771065	0.108068198	0.004448029	31.16537476	0.006885406	0.01113621	0.000780356	0.001390493	0.000624194	0.570968151	1.10106E-05	0.002330777	0.000808027	0.002030658	0.001562269
2112 May	0.001925242	0.0984639	1.02595E-05	11.41850758	11.85053921	0.109566219	0.004442702	31.15207672	0.006894406	0.011236004	0.000793738	0.001391487	0.000625004	0.57260412	1.10173E-05	0.00232859	0.000825767	0.002048161	0.001560153
2112 Jun	0.001793875	0.095018342	9.65589E-06	10.96644878	11.12561226	0.105061524	0.004234733	26.84467316	0.006354505	0.010615836	0.000760064	0.001311412	0.000589169	0.545444191	1.0571E-05	0.002232762	0.000795468	0.00194646	0.00146533
2112 Jul	0.001844775	0.096267104	9.9219E-06	11.30656433	11.47277355	0.107680388	0.004371063	27.94309807	0.006576342	0.010870696	0.000778547	0.001357329	0.000608564	0.562089503	1.08989E-05	0.002305718	0.000814196	0.002008082	0.001516509
2112 Aug	0.001920368	0.099370286	1.02643E-05	11.62369823	11.91615486	0.111359648	0.0045014	30.07842636	0.006880873	0.01122034	0.000807012	0.001407709	0.000630852	0.580134451	1.12042E-05	0.002370565	0.000843258	0.002079067	0.001573538
2112 Sep	0.001945782	0.099225223	1.0282E-05	11.5345726	12.03145981	0.111611992	0.004480823	32.14251709	0.007031321	0.011208779	0.000811889	0.001417804	0.000634829	0.579559028	1.1116E-05	0.002352944	0.000847622	0.00208646	0.001586202
2112 Oct	0.001960208	0.09827584	1.02504E-05	11.56244564	12.14792824	0.111943185	0.004504158	33.33683777	0.007142321	0.011167679	0.000815581	0.001431688	0.000640619	0.582416654	1.1127E-05	0.002362547	0.00084796	0.002084412	0.001603572
2112 Nov	0.001970489	0.098262832	1.02657E-05	11.5956955	12.21842957	0.112367645	0.004520964	33.86467361	0.007199887	0.011180876	0.000819253	0.00143995	0.000644138	0.584712625	1.11541E-05	0.002370436	0.000850808	0.002089688	0.001613374
2112 Dec	0.001972342	0.098311909	1.02712E-05	11.60100174	12.22946358	0.112449117	0.004523391	33.94126129	0.007208546	0.011186434	0.000819938	0.00144119	0.00064467	0.58508116	1.1159E-05	0.002371566	0.000851489	0.002091096	0.001614803
2113 Jan	0.001973403	0.098315991	1.02717E-05	11.60089111	12.23565388	0.112484679	0.004523745	34.01144409	0.007214663	0.011186513	0.000820298	0.00144185	0.000644938	0.585192919	1.11585E-05	0.002371594	0.000851832	0.002091571	0.001615586
2113 Feb	0.001973956	0.098342344	1.02741E-05	11.60338688	12.23899937	0.112515032	0.004524745	34.02606964	0.007216861	0.011189069	0.000820523	0.001442227	0.000645104	0.58533293	1.11609E-05	0.002372102	0.000852077	0.002092083	0.00161601
2113 Mar	0.001979864	0.098627605	1.03037E-05	11.63671494	12.27554607	0.112847164	0.004537821	34.13911819	0.007238934	0.011221271	0.000822964	0.001446515	0.000647016	0.587040365	1.11929E-05	0.002378924	0.000854611	0.002098202	0.001620823
2113 Apr	0.001990555	0.099159375	1.03592E-05	11.69926453	12.3418026	0.113455951	0.004562225	34.32548141	0.007278097	0.011281634	0.000827406	0.001454317	0.000650505	0.590201199	1.1253E-05	0.002391711	0.000859226	0.002109503	0.001629565
2113 May	0.002006973	0.101880521	1.04666E-05	11.7471714	12.4231205	0.115036353	0.004574033	34.49950409	0.007316235	0.01140208	0.000841041	0.00146056	0.000653555	0.593548238	1.12904E-05	0.002398054	0.000876232	0.002130239	0.001633799
2113 Jun	0.001938453	0.102397822	1.0255E-05	11.55571651	12.0289917	0.113435	0.004473438	31.41709328	0.006981965	0.011198103	0.000828991	0.001414318	0.000633675	0.580763996	1.10926E-05	0.002353956	0.000868189	0.002085436	0.001576658
2113 Jul	0.002006723	0.105923392	1.06292E-05	11.8847065	12.41990662	0.116890252	0.00460247	32.8476944	0.007230754	0.011583898	0.000855143	0.001459787	0.00063725	0.598181009	1.14166E-05	0.002420435	0.000896015	0.002159554	0.001626708
2113 Aug	0.002069222	0.108619347	1.09194E-05	12.11733055	12.77172852	0.119766876	0.004698777	34.68916321	0.007479711	0.011873485	0.000877973	0.001499197	0.00067112	0.611924767	1.16433E-05	0.002467629	0.000919166	0.002217706	0.001671096
2113 Sep	0.00206505	0.107131124	1.08448E-05	12.01189518	12.74217415	0.118775442	0.004669408	35.38579178	0.007501776	0.011772764	0.00087136	0.001494775	0.000669028	0.608020544	1.15349E-05	0.002448423	0.000909992	0.002199453	0.001667836
2113 Oct	0.001997055	0.101161644	1.04609E-05	11.82028961	12.40241528	0.114556842	0.004607101	33.74870682	0.007278366	0.01137736	0.000836329	0.00145978	0.00065843	0.595281422	1.13328E-05	0.002417294	0.000865973	0.002112286	0.001633973
2113 Nov	0.001984397	0.100049831	1.03933E-05	11.74756622	12.31350517	0.11346399	0.004581302	33.4686203	0.007226171	0.011313956	0.000827372	0.001449335	0.00064935	0.591316521	1.12669E-05	0.002402983	0.000856161	0.002095201	0.001623729
2113 Dec	0.001986391	0.100102335	1.03992E-05	11.75284576	12.32520962	0.11354889	0.004583773	33.55267715	0.007235489	0.011319899	0.000828092	0.001450638	0.000649909	0.591696799	1.12718E-05	0.002404108	0.000856879	0.002096686	0.001625234
2114 Jan	0.00198709	0.100118347	1.04006E-05	11.7538681	12.32925415	0.113577448	0.004584348	33.58821869	0.007238989	0.011321255	0.000828341	0.001451072	0.00065091	0.591804266	1.12726E-05	0.002404333	0.000857137	0.002097122	0.001625738
2114 Feb	0.001987314	0.100133687	1.04016E-05	11.75481796	12.33055687	0.113591373	0.004584712	33.59338379	0.007239795	0.011322389	0.000828435	0.001451209	0.000650152	0.591858983	1.12735E-05	0.002404517	0.000857255	0.002097327	0.001625888
2114 Mar	0.001990312	0.100287966	1.04173E-05	11.77246475	12.34911919	0.113763839	0.004591583	33.6438446	0.007250669	0.011339508	0.000829687	0.001453385	0.000651128	0.592749119	1.12904E-05	0.002408121	0.000858563	0.002100487	0.001628323
2114 Apr	0.001997933	0.100673757	1.04572E-05	11.81748581	12.39637566	0.114200018	0.004609136	33.7725296	0.007278401	0.011382943	0.000832864	0.001458942	0.000653617	0.595016897	1.13335E-05	0.002417326	0.000861859	0.002108526	0.001634547
2114 May	0.001989684	0.102376282	1.04255E-05	11.74863148	12.32948589	0.114653185	0.004570984	33.31661987	0.007216468	0.011366894	0.000838166	0.00144778	0.000649052	0.592039466	1.12598E-05	0.002399031	0.000870246	0.002104694	0.001619387
2114 Jun	0.001988116	0.105611064	1.04856E-05	11.73786259	12.29124165	0.115892552	0.004547561	32.55083466	0.007151667	0.011451815	0.000849298	0.001439965	0.00064592	0.591516316	1.12462E-05	0.002390295	0.000887839	0.002120638	0.001605608
2114 Jul	0.002096046	0.111064643	1.10385E-05	12.2800808	12.93228817	0.121675357	0.004760903	34.85390091	0.007554908	0.012036264	0.000892971	0.001514327	0.000678837	0.620205879	1.17698E-05	0.002500442	0.000934121	0.002233735	0.001688101
2114 Aug	0.002218357	0.116813555	1.16253E-05	12.88197422	13.66766548	0.128193691	0.005000585	37.69235229	0.008025541	0.012657773	0.000942437	0.001599028	0.000716486	0.652494967	1.23461E-05	0.002623326	0.00098517	0.002354812	0.001783186
2114 Sep	0.002194796	0.114581801	1.14457E-05	12.49320412	13.44801998	0.125319481	0.00486347	38.64390182	0.007970639	0.012433648	0.000923471	0.001568633	0.00070269	0.636463463	1.19807E-05	0.002543269	0.000966104	0.002313484	0.001750454
2114 Oct	0.00216218	0.111141443	1.11993E-05	12.23968029	13.25727081	0.122593716	0.004779976	38.92225647	0.007900416	0.012157572	0.000903933	0.001546184	0.000692345	0.624897003	1.17239E-05	0.002495718	0.000942617	0.002260717	0.001727759
2114 Nov	0.00213363	0.107917786	1.10165E-05	12.23327351	13.1701088	0.121083267	0.004787142	38.32078552	0.007839317	0.01195343	0.000891006	0.001540369	0.000689716	0.622719109	1.16905E-05	0.002501467	0.000922816	0.002220004	0.001723842
2114 Dec	0.002135007	0.107835419	1.1015E-05	12.2394352	13.1820755	0.121131137	0.004790533	38.41437912	0.007849487	0.011950801	0.00089143	0.00154188	0.000690353	0.623115063	1.16948E-05	0.002503111	0.000922916	0.002220095	0.001725712
2115 Jan	0.002136012	0.107855208	1.10168E-05	12.24067402	13.18790913	0.121171057	0.004791292	38.46786118	0.007854647	0.011952455	0.000891786	0.001542506	0.000690615	0.623262465	1.16958E-05	0.002503392	0.00092328	0.002220696	0.001726443
2115 Feb	0.00213701	0.107882135	1.10193E-05	12.24354458	13.19408894	0.121218845	0.004792607	38.51114655	0.007859482	0.011954936	0.000892175	0.001543195	0.00069091	0.623466253	1.16983E-05	0.002504009	0.000923674	0.002221393	0.001727237
2115 Mar	0.002138911	0.107968725	1.10279E-05	12.25306129	13.20578766	0.121322691	0.004796416	38.5568924	0.007866977	0.011964196	0.000892955	0.001544545	0.000691508	0.623978019	1.17073E-05	0.002505965	0.000924482	0.002223217	0.001728757

Appendix D.2-11: A8 West

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.002150132	0.108536966	1.10857E-05	12.31723309	13.27503681	0.121959731	0.004821531	38.75941467	0.007908232	0.01202694	0.00089764	0.001552638	0.000695131	0.627248049	1.17686E-05	0.002519085	0.000929342	0.002234871	0.001737814
2115 May	0.00212324	0.110288545	1.10355E-05	12.1941824	13.08224678	0.121623933	0.004756069	37.32201004	0.007741697	0.011995913	0.000896058	0.001526734	0.000684316	0.620321214	1.16495E-05	0.002488049	0.000932159	0.002221367	0.001704924
2115 Jun	0.002149634	0.114719734	1.12644E-05	12.39408398	13.22325134	0.124382682	0.004815618	36.76615906	0.007770125	0.012268292	0.000917068	0.001540566	0.000691194	0.629548311	1.184E-05	0.002523128	0.000958608	0.002266079	0.001716254
2115 Jul	0.002244146	0.119793274	1.17721E-05	12.87378597	13.77476025	0.129414961	0.005003198	38.61142349	0.008110365	0.012803713	0.000954976	0.001603978	0.000719525	0.654657722	1.2305E-05	0.002620121	0.000998196	0.002365036	0.001786542
2115 Aug	0.002202203	0.116924211	1.15733E-05	12.52218246	13.47572136	0.126012608	0.004873573	38.46367264	0.0079719	0.012530732	0.000930713	0.001567473	0.000703286	0.638163626	1.19766E-05	0.00254856	0.000970426	0.002314514	0.001746549
2115 Sep	0.002217353	0.115884125	1.15891E-05	12.59755898	13.60577488	0.126427412	0.004914421	39.44852829	0.008083316	0.01250974	0.000933958	0.001583862	0.000710473	0.642703116	1.20343E-05	0.002568038	0.000969071	0.002317496	0.00176707
2115 Oct	0.0022276	0.114858106	1.15575E-05	12.65428257	13.70720291	0.126743823	0.004945839	40.24447632	0.00816995	0.012470298	0.000936765	0.00159715	0.00071604	0.64614749	1.20735E-05	0.002583608	0.000968535	0.00231565	0.001783751
2115 Nov	0.002206648	0.11267262	1.14244E-05	12.61575317	13.61642075	0.125468805	0.004935141	39.77563858	0.008109879	0.012333922	0.00092602	0.001588919	0.000712374	0.643048406	1.20279E-05	0.002579187	0.000954307	0.002288214	0.001776427
2115 Dec	0.002206696	0.112597004	1.14211E-05	12.61357594	13.61630154	0.125430956	0.004934712	39.8017807	0.008111192	0.012331006	0.000925725	0.00158891	0.000712363	0.642970383	1.20258E-05	0.00257885	0.000953914	0.002287642	0.001776558
2116 Jan	0.002208066	0.112615183	1.14229E-05	12.61452103	13.62426949	0.125481918	0.004935518	39.88179779	0.008118578	0.012332398	0.000926202	0.001589763	0.000712716	0.643148124	1.20264E-05	0.002579093	0.000954388	0.002288379	0.001777563
2116 Feb	0.00220917	0.112670846	1.14278E-05	12.61965084	13.63093281	0.125543356	0.004937563	39.90928268	0.008122877	0.012337703	0.000926656	0.001590512	0.000713048	0.643432021	1.20312E-05	0.002580135	0.000954881	0.002289411	0.001778402
2116 Mar	0.002211038	0.112769797	1.14374E-05	12.63013172	13.6424017	0.125650704	0.004941653	39.94334793	0.008129708	0.012348115	0.000927442	0.001591839	0.000713643	0.643970072	1.20412E-05	0.00258227	0.000955707	0.002291333	0.001779882
2116 Apr	0.002221835	0.113322936	1.14933E-05	12.69174671	13.70899296	0.126265153	0.004965751	40.13822174	0.008169373	0.012408445	0.000931972	0.001599602	0.000717124	0.647112787	1.20999E-05	0.002594862	0.000960385	0.00230252	0.001788561
2116 May	0.002227255	0.115176208	1.15079E-05	12.65401459	13.72065544	0.127137095	0.004944049	40.32273865	0.00817475	0.012435786	0.000940846	0.001597549	0.000716343	0.64650023	1.20566E-05	0.002583676	0.000972335	0.002309627	0.001783859
2116 Jun	0.002016293	0.10782104	1.05928E-05	11.91404724	12.50000477	0.118123442	0.004610931	33.28285599	0.007277816	0.01151934	0.000869818	0.001461841	0.00065636	0.601062715	1.13494E-05	0.002428391	0.000902752	0.002137986	0.001627466
2116 Jul	0.00211156	0.11255572	1.1114E-05	12.47278118	13.08645248	0.123440839	0.004827248	34.93051147	0.007628304	0.012070063	0.000908673	0.001532451	0.000687429	0.629143119	1.18887E-05	0.002542805	0.000944528	0.002246982	0.001705278
2116 Aug	0.002205005	0.117024653	1.1574E-05	12.93187046	13.64515877	0.128398389	0.005009947	37.06682205	0.007985136	0.012551466	0.000946213	0.00159648	0.000716012	0.653745174	1.23277E-05	0.002636332	0.000983215	0.002340031	0.001777065
2116 Sep	0.002165187	0.11355675	1.13156E-05	12.55918407	13.36817837	0.124898583	0.00487979	37.35515213	0.00787546	0.012250608	0.000921262	0.001561939	0.000700392	0.636995971	1.1969E-05	0.002562164	0.000955888	0.002281481	0.001740583
2116 Oct	0.002123373	0.109152272	1.10532E-05	12.39677906	13.16333771	0.121871211	0.004831696	36.83982849	0.007766002	0.011963661	0.000897124	0.001540887	0.000690933	0.627802908	1.17903E-05	0.00253614	0.000924945	0.002219846	0.001720866
2116 Nov	0.00212664	0.108907536	1.10513E-05	12.39635181	13.18082047	0.121823512	0.004834299	37.07321548	0.007785926	0.011962016	0.000896801	0.001542846	0.000691755	0.628079057	1.17889E-05	0.002536702	0.000924109	0.002219339	0.001723788
2116 Dec	0.002128239	0.108916283	1.10529E-05	12.39677048	13.19006824	0.121876359	0.004835053	37.17315292	0.007794872	0.011962963	0.000897333	0.00154384	0.000692164	0.628262937	1.1789E-05	0.002536864	0.000924611	0.002220134	0.001724973
2117 Jan	0.002128855	0.108921722	1.10533E-05	12.39666557	13.19358158	0.121897362	0.004835238	37.21286392	0.007798331	0.011963182	0.000897539	0.001544207	0.000692313	0.628325403	1.17887E-05	0.002536866	0.000924818	0.002220416	0.00172541
2117 Feb	0.002129042	0.108931243	1.10538E-05	12.39703465	13.1946497	0.121907391	0.004835404	37.2206955	0.00779916	0.011963725	0.000897613	0.001544314	0.000692359	0.628357589	1.1789E-05	0.002536937	0.00092491	0.002220544	0.00172553
2117 Mar	0.002131303	0.10904938	1.10655E-05	12.41008949	13.20862103	0.122037627	0.004840488	37.26027679	0.00780741	0.011976429	0.000898567	0.001545942	0.000693089	0.629021287	1.18014E-05	0.002539603	0.000925903	0.002222895	0.001727347
2117 Apr	0.002144823	0.109742746	1.11357E-05	12.48877239	13.29239178	0.122812346	0.004871172	37.49652481	0.007856913	0.012052422	0.000904268	0.001555743	0.000697483	0.633010149	1.18763E-05	0.002555701	0.000931784	0.002236994	0.001738296
2117 May	0.002148861	0.11219953	1.12132E-05	12.48477936	13.28356743	0.123700924	0.004858894	37.12152863	0.007827258	0.01214882	0.000912066	0.001551386	0.000695983	0.633093059	1.18722E-05	0.002550245	0.000943713	0.002249952	0.001730393
2117 Jun	0.002110647	0.11411351	1.11552E-05	12.36630249	13.02385902	0.123156033	0.00478606	34.88660812	0.007592664	0.012116229	0.000908085	0.001519149	0.000682274	0.625103354	1.17608E-05	0.002518865	0.000945973	0.002237339	0.001688999
2117 Jul	0.002207269	0.119281009	1.16716E-05	12.86289024	13.59297085	0.128362715	0.00497991	36.78333664	0.007943618	0.012659947	0.000947334	0.001584872	0.000711551	0.651062846	1.22392E-05	0.002619487	0.000987243	0.00233953	0.001761627
2117 Aug	0.002264807	0.122038431	1.19627E-05	13.09904861	13.91640663	0.131112427	0.005075685	38.26366425	0.00816241	0.012952636	0.000968669	0.001620983	0.00072769	0.664406776	1.24689E-05	0.002667083	0.001009119	0.002395374	0.001802101
2117 Sep	0.002291543	0.122779109	1.20539E-05	13.12474251	14.05086327	0.13193506	0.005093287	39.51094055	0.008282983	0.013039345	0.000976103	0.0016346	0.000733573	0.667722166	1.24949E-05	0.002672316	0.001016996	0.00241398	0.00181807
2117 Oct	0.002260694	0.120757528	1.18705E-05	12.78356171	13.80049896	0.129098445	0.004969663	39.68806458	0.008176671	0.012839943	0.000956213	0.001602028	0.000718883	0.652567685	1.21777E-05	0.002601863	0.000997978	0.002371768	0.001782485
2117 Nov	0.002250797	0.120243557	1.18196E-05	12.67755413	13.71856117	0.128230199	0.004930545	39.68159485	0.008138855	0.012784121	0.00095008	0.001591354	0.000714098	0.647800386	1.20796E-05	0.002579714	0.000992372	0.002359289	0.001770671
2117 Dec	0.002252672	0.120249063	1.18212E-05	12.67608643	13.72866535	0.128279105	0.004930782	39.80710602	0.008149401	0.01278498	0.00095062	0.001592392	0.000714518	0.647942185	1.20779E-05	0.002579494	0.000992892	0.002360104	0.001771929
2118 Jan	0.002253461	0.120264858	1.18225E-05	12.67678165	13.73317432	0.128309727	0.004931282	39.85041809	0.008153476	0.012786162	0.000950894	0.001592868	0.000714717	0.648048222	1.20784E-05	0.002579655	0.000993178	0.002360556	0.001772486
2118 Feb	0.002253831	0.120291583	1.18245E-05	12.67862988	13.73533535	0.128333181	0.004931977	39.85674667	0.008154717	0.012788306	0.000951054	0.001593099	0.000714821	0.648147106	1.20801E-05	0.002580017	0.000993374	0.002360927	0.001772738
2118 Mar	0.00225507	0.120361723	1.1831E-05	12.68549252	13.74283409	0.128405109	0.004934632	39.8783493	0.008159137	0.012795382	0.000951579	0.001593959	0.000715207	0.648500025	1.20866E-05	0.002581405	0.000993938	0.002362218	0.001773691
2118 Apr	0.002263813	0.121086136	1.18768E-05	12.72781086	13.79287338	0.128992483	0.004950167	40.01392746	0.008186831	0.012847922	0.000955411	0.001599107	0.000717542	0.650794506	1.21258E-05	0.002589479	0.000998961	0.002370963	0.001779182
2118 May	0.002198492	0.121975437	1.16492E-05	12.50960732	13.41054821	0.127606183	0.004839156	37.23547363	0.007865573	0.012637342	0.000944722	0.001551742	0.0006974	0.63751924	1.18967E-05	0.00253904	0.000992594	0.00232163	0.001720881
2118 Jun	0.002035204	0.114851832	1.0904E-05	12.14944077	12.57344341	0.121334612	0.004666354	31.409338	0.007207527	0.011882403	0.000893507	0.001464663	0.000659169	0.610604167	1.15294E-05	0.002468112	0.000935105	0.002183267	0.001622314
2118 Jul	0.002153722	0.121379927	1.15394E-05	12.80332756	13.28857231	0.128067762	0.004919081	33.52491379	0.007634821	0.012561047	0.00094372	0.001547879	0.000696272	0.644166827	1.21544E-05	0.002600734	0.000988465	0.002311509	0.001713995
2118 Aug	0.002165905	0.121090814	1.15656E-05	12.66292095	13.30383587	0.127513856	0.004875416	34.91710281	0.007710074	0.012540417	0.000941685	0.001546204	0.000695381	0.640135765	1.203E-05	0.002571314	0.000985696	0.002312496	0.001713184
2118 Sep	0.002107419	0.113642037	1.11523E-05	12.50343704	13.06996727	0.123500094	0.004835784	34.39040375	0.007594232	0.012062849	0.00090927	0.001526129	0.000686144	0.63013041	1.18437E-05	0.00255114	0.000940004	0.002226052	0.001697508
2118 Oct	0.002056798	0.107537858	1.07945E-05	12.35843086	12.82722378	0.119880207	0.004791242	33.52046585	0.007453635	0.011695677	0.000879208	0.001503662	0.000675979	0.620557904	1.16951E-05	0.002529585	0.000901195	0.002155718	0.001679016
2118 Nov	0.0020502	0.106328234	1.07281E-05	12.3298912	12.79619598	0.119240254	0.004783585	33.54032898	0.007442919	0.011627325	0.000874014	0.001501014	0.000674711	0.618982673	1.16661E-05	0.002525429	0.000894265	0.002143512	0.001677684
2118 Dec	0.00205116	0.106372423	1.07327E-05	12.33407688	12.80171299	0.11928679	0.004785297	33.56432343	0.007446575	0.011632266	0.000874368	0.001501633	0.000674987	0.619214892	1.16701E-05	0.002526283	0.000894639	0.002144412	0.001678383
2119 Jan	0.002052061	0.106390886	1.07345E-05	12.33533478	12.80696297	0.119323112	0.004786034	33.61113739	0.007451164	0.011633851	0.00087469	0.001502198	0.000675224	0.619351685	1.16711E-05	0.002526565	0.000894966	0.002144963	0.001679045
2119 Feb	0.002053008	0.106422	1.07372E-05	12.33808422	12.812644	0.119368553	0.004787264	33.64936066	0.007455536	0.011636653	0.000875057	0.001502825	0.000675494	0.619542956	1.16736E-05	0.002527143	0.000895349	0.00214567	0.001679765
2119 Mar	0.002056868	0.106624469	1.07573E-05	12.36109257	12.836689	0.119593672	0.004796187	33.71326065	0.007469544	0.011658476	0.000876703	0.001505636	0.000676757	0.62070173	1.16953E-05	0.00253185	0.000897046	0.00214969	0.001682905
2119 Apr	0.002071644	0.108454593	1.08373E-05	12.42185307	12.91419983	0.120807752	0.00481578	33.85906219	0.007505924	0.011756537	0.000883518	0.001512113	0.000679775	0.624239683	1.17487E-05	0.002542071	0.00090823	0.002163781	0.001689239
2119 May	0.001990156	0.111840658	1.05106E-05	11.97984028	12.35686493	0.119448341	0.004601317	30.50406075	0.007058094	0.011488264	0.000865646	0.001435414	0.000646726	0.601564407	1.13053E-05	0.002436898	0.000909838	0.002093243	0.001596414
2119 Jun	0.001963459	0.110491656	1.04088E-05	11.93381214	12.22093773	0.118381523	0.004575027	29.50208473	0.006954478	0.011370696	0.000858301	0.001423913	0.000641131	0.597520947	1.1262E-05	0.002428109	0.000901863	0.002081159	0.00158253
2119 Jul	0.002069382	0.116077095	1.09598E-05	12.48711967	12.85801792	0.124261871	0.004790396	31.65153503	0.007348856	0.011951762	0.000902111	0.00149822	0.000673888	0.626509368	1.17897E-05	0.002540585	0.0009496	0.002195515	0.001664252
2119 Aug	0.002123498	0.118499614	1.12312E-05	12.66507816	13.14898777	0.126596048	0.004865749	33.27491379	0.007559897	0.012210944	0.000920351	0.001529544	0.000687975	0.637476623	1.19651E-05	0.002575932	0.000968479	0.002245678	0.001699717
2119 Sep	0.002103403	0.115074493	1.10525E-05	12.48254299	13.04357052	0.124421641	0.004811966	33.9621315	0.007551724	0.011977811	0.0009055	0.001518045	0.000682556	0.629592001	1.17814E-05	0.002543482	0.000947587	0.002207418	0.001689899
2119 Oct	0.002088398	0.111299053	1.08952E-05	12.56913662	13.06001186	0.123392545	0.004859084	33.85868073	0.007566263	0.011796893	0.000896998	0.001526585	0.000686058	0.63203603	1.18333E-05	0.002570782	0.000929205	0.002176641	0.001703705
2119 Nov	0.002075279	0.10959021	1.08019E-05	12.53232384	12.99816704	0.122400798	0.004848318	33.65669632	0.007532333	0.011699021	0.000889249	0.001521201	0.000683597	0.629576147	1.17955E-05	0.002565644	0.000918576	0.002158488	0.001699507
2119 Dec	0.00207702	0.109632283	1.08065E-05	12.53641415	13.00841141	0.122473821	0.004850314	33.73463058	0.007540702	0.011703571	0.000889878	0.001522333	0.000684081	0.629892468	1.17992E-05	0.002566528	0.0009192	0.002159715	0.001700826

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	33	0.0092	0.0049	0.00091	5.7	0.019	2.0	9.1E-04	9.1E-04	4.6E-06	5.6E-03	8.3E-04	8.3E-03	1.1E-02	4.6E-06	9.2E+00	5.7E-06	1.5E-04	9.4E-05
Operations (2020-2043): Mean	53	0.076	0.0081	0.0010	13	0.037	5	1.0E-03	1.0E-03	5.2E-06	7.9E-03	1.2E-03	1.1E-02	1.9E-02	5.2E-06	1.7E+01	1.7E-05	2.4E-04	2.0E-04
Operations (2020-2043): Max	92	0.13	0.023	0.0012	22	0.050	8	1.2E-03	1.2E-03	5.8E-06	9.5E-03	1.9E-03	1.3E-02	4.3E-02	5.8E-06	3.4E+01	2.2E-05	4.6E-04	6.7E-04
Active Closure (2044-2050): Min	36	0.015	0.0050	0.00093	6.5	0.019	2.3	9.3E-04	9.3E-04	4.7E-06	6.4E-03	8.8E-04	9.1E-03	1.1E-02	4.7E-06	1.0E+01	9.3E-06	1.8E-04	1.0E-04
Active Closure (2044-2050): Mean	57	0.11	0.082	0.0019	15	0.041	5.6	1.0E-03	1.0E-03	5.2E-06	8.2E-03	1.2E-03	1.2E-02	1.8E-02	5.2E-06	1.6E+01	1.6E-05	2.3E-04	1.6E-04
Active Closure (2044-2050): Max	96	0.23	0.38	0.0053	29	0.051	9.6	1.2E-03	1.2E-03	5.9E-06	9.5E-03	1.7E-03	1.5E-02	3.1E-02	5.9E-06	2.6E+01	2.2E-05	3.6E-04	4.6E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Post Closure (2051-2119): Min	62	0.047	0.03	0.0016	15	0.022	9.1	9.0E-04	8.4E-04	4.6E-06	6.2E-03	1.1E-03	1.2E-02	1.5E-02	4.7E-06	1.6E+01	1.6E-05	2.1E-04	1.5E-04
Post Closure (2051-2119): Mean	172	0.11	0.12	0.0033	25	0.043	63	1.3E-03	9.7E-04	5.4E-06	8.6E-03	3.2E-03	9.5E-02	2.5E-02	6.6E-06	3.0E+01	3.2E-05	5.5E-04	3.4E-04
Post Closure (2051-2119): Max	236	0.24	0.36	0.0082	53	0.053	100	1.8E-03	1.1E-03	6.2E-06	1.0E-02	5.3E-03	1.5E-01	3.7E-02	8.1E-06	4.2E+01	4.2E-05	9.4E-04	5.1E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	90.00688934	0.069039837	0.022760633	0.001	21.23538017	0.02	7.253544807	0.001	0.001	5E-06	0.006674477	0.001833153	0.008448954	0.041870695	5E-06	33.6411171	2.12991E-05	0.000450169	0.000650371
2020 Feb	90.04273987	0.06907884	0.022771046	0.001	21.24554443	0.02	7.257015228	0.001	0.001	5E-06	0.006673964	0.001833793	0.008447929	0.04189096	5E-06	33.65690231	2.12983E-05	0.000450334	0.000650735
2020 Mar	90.0812912	0.069114558	0.022781514	0.001000216	21.25555229	0.020004312	7.26043272	0.001000216	0.001000216	5.00108E-06	0.00667513	0.00183453	0.008449203	0.041910809	5.00108E-06	33.67258453	2.13024E-05	0.000450519	0.000651069
2020 Apr	90.30342865	0.069288395	0.022838091	0.001002564	21.30847168	0.020051282	7.27850914	0.001002564	0.001002564	5.01282E-06	0.006690651	0.001839027	0.008468738	0.042015217	5.01282E-06	33.75632858	2.13522E-05	0.000451626	0.000652706
2020 May	92.24647522	0.070779733	0.023329549	0.00102412	21.76703262	0.020482399	7.435142994	0.00102412	0.00102412	5.1206E-06	0.006834484	0.001878593	0.008650781	0.042919397	5.1206E-06	34.48275375	2.18102E-05	0.000461343	0.000666754
2020 Jun	70.37582397	0.047691375	0.017060343	0.000999691	15.67111492	0.019993827	5.353550911	0.000999691	0.000999691	4.99846E-06	0.006952561	0.001482858	0.009006634	0.030778497	4.99846E-06	25.00046921	2.17203E-05	0.000359661	0.000451358
2020 Jul	64.91300964	0.04083135	0.015312897	0.001032366	14.07346249	0.021394659	4.826322556	0.001032366	0.001032366	5.16183E-06	0.007185123	0.001403804	0.009425719	0.027554119	5.16183E-06	22.48397446	2.19129E-05	0.000332143	0.000388364
2020 Aug	66.8935318	0.042071491	0.015592679	0.00108482	14.54320812	0.023554849	5.004514694	0.00108482	0.00108482	5.4241E-06	0.007454907	0.001460745	0.009944215	0.028299322	5.4241E-06	23.120327	2.21674E-05	0.000339398	0.000393477
2020 Sep	63.05007553	0.049722813	0.013717341	0.001053279	13.98774242	0.026468109	4.894940853	0.001053279	0.001053279	5.26639E-06	0.007378622	0.001379686	0.010110262	0.026002456	5.26639E-06	21.5392704	2.02669E-05	0.000311894	0.000344453
2020 Oct	59.47114182	0.060408141	0.011795255	0.001020926	13.50569057	0.029371843	4.836739063	0.001020926	0.001020926	5.10463E-06	0.007431543	0.001299918	0.010183374	0.023803337	5.10463E-06	20.02667236	1.8851E-05	0.000284336	0.000297019
2020 Nov	58.50484085	0.063322939	0.011273775	0.001012252	13.37622547	0.030165561	4.821509361	0.001012252	0.001012252	5.06126E-06	0.007446872	0.001278378	0.010204542	0.023207987	5.06126E-06	19.61763573	1.84681E-05	0.000276874	0.000284151
2020 Dec	58.48298264	0.063409217	0.011260257	0.001012097	13.3737669	0.030190149	4.821495533	0.001012097	0.001012097	5.06049E-06	0.007447929	0.001277889	0.010205995	0.02319343	5.06049E-06	19.6079464	1.8459E-05	0.00027669	0.000283818
2021 Jan	58.49720383	0.063436598	0.011263542	0.001012099	13.37809563	0.030192943	4.823063374	0.001012099	0.001012099	5.06049E-06	0.007448012	0.001278132	0.010205888	0.023201009	5.06049E-06	19.61405563	1.84584E-05	0.000276748	0.000283945
2021 Feb	58.528759	0.063463628	0.011272335	0.001012266	13.38622952	0.030195447	4.825819969	0.001012266	0.001012266	5.06133E-06	0.007448874	0.001278732	0.01020677	0.023217401	5.06133E-06	19.62695313	1.84619E-05	0.000276902	0.000284225
2021 Mar	58.56982422	0.063504241	0.011281727	0.00101277	13.39612198	0.030209113	4.829289913	0.00101277	0.00101277	5.06385E-06	0.007452379	0.001279581	0.010211409	0.023235805	5.06385E-06	19.64198875	1.84713E-05	0.000277098	0.000284493
2021 Apr	58.63288498	0.06357038	0.011294719	0.001013742	13.41082954	0.030237352	4.834537506	0.001013742	0.001013742	5.06871E-06	0.007459422	0.001280931	0.010220966	0.023262028	5.06871E-06	19.6638546	1.84892E-05	0.000277398	0.000284839
2021 May	59.72822571	0.064561382	0.011543173	0.00102883	13.6658926	0.030619707	4.923713684	0.00102883	0.00102883	5.14415E-06	0.007565717	0.001303939	0.010361806	0.023739219	5.14415E-06	20.05512047	1.87851E-05	0.000282748	0.000291634
2021 Jun	53.88512421	0.048328772	0.010737291	0.001009994	11.68513489	0.026670884	4.156684399	0.001009994	0.001009994	5.04997E-06	0.007417806	0.001193844	0.010061668	0.020876423	5.04997E-06	17.62510681	1.98442E-05	0.000265411	0.000253
2021 Jul	52.26887512	0.042649951	0.01030777	0.001045761	11.08909798	0.027442554	3.953644037	0.001045761	0.001045761	5.2288E-06	0.007553063	0.001188257	0.010291471	0.019939588	5.2288E-06	16.82693291	2.01198E-05	0.000257161	0.000233019
2021 Aug	52.66667557	0.042343166	0.01020583	0.001074667	11.25520992	0.029486792	4.030400753	0.001074667	0.001074667	5.37333E-06	0.007581939	0.001216899	0.010578557	0.020076796	5.37333E-06	16.95419502	1.94348E-05	0.000255025	0.000228754
2021 Sep	50.94813156	0.050309282	0.009142714	0.001038132	11.22320366	0.031425901	4.076647282	0.001038132	0.001038132	5.19066E-06	0.007439398	0.001169859	0.010603265	0.019044137	5.19066E-06	16.32655525	1.77828E-05	0.000240007	0.000205479
2021 Oct	50.44337845	0.05817809	0.008490391	0.001022342	11.34763622	0.032933671	4.17819643	0.001022342	0.001022342	5.11171E-06	0.007506084	0.001149789	0.010635627	0.018600155	5.11171E-06	16.10157394	1.72252E-05	0.000232151	0.000193194
2021 Nov	50.59506226	0.058711082	0.008491884	0.00102518	11.39184284	0.033110552	4.196834564	0.00102518	0.00102518	5.1259E-06	0.007534662	0.001152883	0.010673488	0.018645162	5.1259E-06	16.14728737	1.72606E-05	0.000232615	0.000193337
2021 Dec	50.62905884	0.058780141	0.008495602	0.00102585	11.40033054	0.033139236	4.200157166	0.00102585	0.00102585	5.12925E-06	0.007540222	0.001153628	0.010681147	0.018656787	5.12925E-06	16.15791321	1.72709E-05	0.000232752	0.000193431
2022 Jan	50.6429863	0.058801752	0.00849893	0.001025902	11.40423012	0.033141878	4.201544762	0.001025902	0.001025902	5.12951E-06	0.007540653	0.001153879	0.010681514	0.018663865	5.12951E-06	16.16362	1.72718E-05	0.000232814	0.000193547
2022 Feb	50.65924454	0.058814399	0.008503916	0.001025928	11.40854263	0.033140775	4.202978134	0.001025928	0.001025928	5.12964E-06	0.007540615	0.001154172	0.010681231	0.01867291	5.12964E-06	16.17061806	1.72727E-05	0.000232894	0.000193712
2022 Mar	50.68603516	0.058842115	0.008509643	0.001026305	11.4149313	0.033151902	4.205247402	0.001026305	0.001026305	5.13153E-06	0.007543263	0.001154741	0.010684856	0.018684454	5.13153E-06	16.18015671	1.72793E-05	0.00023302	0.00019387
2022 Apr	51.09639359	0.059316557	0.008579245	0.001034519	11.50755119	0.033416633	4.239319801	0.001034519	0.001034519	5.1726E-06	0.007603565	0.001164066	0.010770201	0.018836679	5.1726E-06	16.31171989	1.74178E-05	0.000234909	0.000195471
2022 May	52.0284462	0.060397528	0.008736055	0.00105335	11.71753883	0.034024552	4.316656113	0.00105335	0.00105335	5.26675E-06	0.007741936	0.00118529	0.010966162	0.019180691	5.26675E-06	16.6095047	1.77349E-05	0.000239195	0.000199051
2022 Jun	46.96135712	0.045734018	0.008163901	0.001027848	9.963133812	0.029770257	3.627089977	0.001027848	0.001027848	5.13924E-06	0.007582433	0.00108402	0.010586109	0.016761802	5.13924E-06	14.52917767	1.88849E-05	0.000225853	0.000169424
2022 Jul	38.2112236	0.024568303	0.006843471	0.000954738	7.495126247	0.025508584	2.717152119	0.000954738	0.000954738	4.77369E-06	0.006739633	0.000940071	0.009371263	0.01328971	4.77369E-06	11.38614178	1.74031E-05	0.000186827	0.000124189
2022 Aug	39.92530823	0.025644453	0.007017364	0.001002104	7.980573177	0.028141716	2.906699419	0.001002104	0.001002104	5.01052E-06	0.006893789	0.000996537	0.009848347	0.013988581	5.01052E-06	11.9828186	1.70046E-05	0.000190889	0.000127482
2022 Sep	40.80161667	0.034478456	0.00671	0.000991463	8.52971077	0.030214259	3.137961149	0.000991463	0.000991463	4.95731E-06	0.006908801	0.001000448	0.010089534	0.014196241	4.95731E-06	12.34051323	1.60282E-05	0.000190224	0.000124985
2022 Oct	41.47626495	0.042983841	0.006431781	0.000980247	8.936431885	0.031534899	3.328501463	0.000980247	0.000980247	4.90124E-06	0.007005951	0.001000684	0.010144052	0.014365439	4.90124E-06	12.59613323	1.57134E-05	0.000189004	0.000124022
2022 Nov	41.67086411	0.043394562	0.006451705	0.000984119	8.985359192	0.031704482	3.347770691	0.000984119	0.000984119	4.9206E-06	0.007038371	0.001004949	0.010188688	0.014431112	4.9206E-06	12.65658951	1.57719E-05	0.000189776	0.000124524
2022 Dec	41.70030975	0.043459397	0.006454589	0.000984696	8.992853165	0.031730425	3.350733757	0.000984696	0.000984696	4.92348E-06	0.007043272	0.001005589	0.010195404	0.01444103	4.92348E-06	12.66575718	1.57805E-05	0.000189891	0.000124599
2023 Jan	41.71601868	0.043484636	0.006458401	0.000984737	8.997289658	0.031732772	3.352307796	0.000984737	0.000984737	4.92368E-06	0.007043678	0.001005862	0.010195667	0.014449089	4.92368E-06	12.6722517	1.57815E-05	0.000189961	0.000124734
2023 Feb	41.73389435	0.043499626	0.00646381	0.000984766	9.00204277	0.031731721	3.353893042	0.000984766	0.000984766	4.92383E-06	0.007043683	0.001006183	0.010195407	0.014458964	4.92383E-06	12.67991829	1.57826E-05	0.00019005	0.000124913
2023 Mar	41.74736404	0.043511681	0.006467336	0.00098487	9.005438805	0.031733979	3.355057001	0.00098487	0.00098487	4.92435E-06	0.007044314	0.001006447	0.010196175	0.014465638	4.92435E-06	12.68523121	1.57846E-05	0.000190115	0.000125022
2023 Apr	41.93912888	0.043710414	0.006497867	0.000989272	9.047084808	0.031875186	3.370514631	0.000989272	0.000989272	4.94636E-06	0.007075734	0.001011036	0.010241568	0.014533233	4.94636E-06	12.74419689	1.58554E-05	0.00019099	0.000125635
2023 May	44.25394058	0.045293599	0.007151653	0.001006275	9.607326508	0.032013815	3.557212114	0.001006275	0.001006275	5.03137E-06	0.007181345	0.001055569	0.010353858	0.015692953	5.03137E-06	13.65819645	1.63027E-05	0.000202881	0.000145317
2023 Jun	49.70630264	0.040164959	0.0098779	0.000977156	10.65566921	0.026033448	3.790605783	0.000977156	0.000977156	4.88578E-06	0.006961035	0.001129311	0.009637317	0.019155888	4.88578E-06	16.14329529	1.82892E-05	0.000243604	0.000226142
2023 Jul	46.28696442	0.032671176	0.0090877	0.000987191	9.589529991	0.025706954	3.415847778	0.000987191	0.000987191	4.93595E-06	0.006964968	0.001081306	0.0096355	0.017393406	4.93595E-06	14.671731	1.8439E-05	0.00022812	0.000195533
2023 Aug	47.45432281	0.03288646	0.009163789	0.001030615	9.908149719	0.028010862	3.550496101	0.001030615	0.001030615	5.15307E-06	0.007104965	0.001128613	0.01000323	0.017871983	5.15307E-06	15.05862141	1.81246E-05	0.000229502	0.000196064
2023 Sep	47.86883163	0.036486462	0.008935	0.001037647	10.18093491	0.02977003	3.659668446	0.001037647	0.001037647	5.18824E-06	0.007128286	0.00113522	0.010350591	0.017852023	5.18824E-06	15.18398476	1.73974E-05	0.000228994	0.000190051
2023 Oct	47.98282623	0.041474238	0.008654193	0.001032972	10.34747791	0.030722473	3.750644445	0.001032972	0.001032972	5.16486E-06	0.007204782	0.001131169	0.010415542	0.017771306	5.16486E-06	15.19997597	1.72014E-05	0.000226584	0.000185653
2023 Nov	48.22607422	0.042324327	0.008658626	0.001037276	10.41851234	0.030993305	3.780397654	0.001037276	0.001037276	5.18638E-06	0.007249077	0.001136022	0.010473603	0.017845308	5.18638E-06	15.27439785	1.72576E-05	0.000227347	0.000185961
2023 Dec	48.25252151	0.042395465	0.008660422	0.001037775	10.42561817	0.031018928	3.783275604	0.001037775	0.001037775	5.18887E-06	0.007253635	0.001136579	0.010479743	0.01785389	5.18887E-06	15.28257847	1.72647E-05	0.000227443	0.000186016
2024 Jan	48.26767349	0.042425293	0.008664013	0.001037764	10.43017483	0.031020779	3.784915209	0.001037764	0.001037764	5.18882E-06	0.007253763	0.001136825	0.010479532	0.017861936	5.18882E-06	15.28907108	1.72647E-05	0.000227508	0.000186154
2024 Feb	48.28754044	0.042443011	0.008670155	0.001037763	10.4355793	0.03101871	3.7867167	0.001037763	0.001037763	5.18881E-06	0.007253528	0.001137171	0.010478863	0.017873196	5.18881E-06	15.29777813	1.72653E-05	0.000227605	0.000186362
2024 Mar	48.36057281	0.042507343	0.008684664	0.0010391	10.45196438	0.031057578	3.792575598	0.0010391	0.0010391	5.1955E-06	0.007262753	0.001138825	0.010492009	0.017902344	5.1955E-06	15.32222271	1.72879E-05	0.000227952	0.000186715
2024 Apr	48.4913063	0.042622328	0.008708918	0.001041779	10.48055363	0.03113706	3.802901268	0.001041779	0.001041779	5.2089E-06	0.007281415	0.001141867	0.010518868	0.017951919	5.2089E-06	15.3643713	1.73327E-05	0.000228569	0.000187259
2024 May	52.97267914	0.045611396	0.010135122	0.001050109	11.61690712	0.030454064	4.172666073	0.001050109	0.001050109	5.25055E-06	0.00730999	0.001220422	0.010447717	0.020416254	5.25055E-06	17.26678658	1.7906E-05	0.000252135	0.000233088
2024 Jun	61.17713547	0.04730818	0.013533599	0.000993315	13.65541267	0.024739549	4.770093918	0.000993315	0.000993315	4.96657E-06	0.006882375	0.001336159	0.009399313	0.025599519	4.96657E-06	21.10736465	1.89914E-05	0.00030204	0.000345026
2024 Jul	62.9795723	0.047370367	0.013831983	0.001055103	13.94505787	0.026327092	4.877922535	0.001055103	0.001055103	5.27552E-06	0.00729142	0.001388253	0.009971645	0.026150668	5.27552E-06	21.57655716	2.00421E-05	0.00031078	0.000347842
2024 Aug	64.08010864	0.048483554	0.013834942	0.001095311	14.25537395	0.028570764	4.997737885	0.001095311	0.001095311	5.47656E-06	0.007463419	0.001424388	0.010498212	0.026431266	5.47656E-06	21.88726234	1.9813E-05	0.000313696	0.000344803
2024 Sep	61.49242401	0.05313639	0.012597042	0.001073605	13.87905025	0.030479949	4.914296627	0.001073605	0.001073605	5.36803E-06	0.007389733	0.001368533	0.010655465	0.024867168	5.36803E-06	20.82384109	1.84671E-05	0.000295926	0.000311638
2024 Oct	60.91101456	0.05730084	0.012104914	0.001070839	13.84824467	0.031535342	4.940045834	0.001070839	0.001070839	5.3542E-06	0.007481078	0.001353763	0.010745781	0.024396071	5.3542E-06	20.53151894	1.82693E-05	0.00029	0.000299893
2024 Nov	60.62327194	0.059355002	0.011861904	0.00106946	13.83285046	0.032055691	4.952683449	0.00106946	0.00106946	5.3473E-06	0.007526049	0.001346456	0.010790199	0.02416327	5.3473E-06	20.38698578	1.81714E-05	0.000287071	0.000294094
2024 Dec	60.65311813	0.059446089	0.011862798	0.001070084	13.84099102	0.032089278	4.956078529	0.001070084	0.001070084	5.35042E-06	0.007531891	0.001347095	0.010798044	0.024172036	5.35042E-06	20.39575768	1.81801E-05	0.000287171	0.000294122
2025 Jan	60.6662674	0.059474524	0.011865764	0.001070071	13.84503174	0.03209142	4.957557678	0.001070071	0.001070071	5.35035E-06	0.007532015	0.001347309	0.01079779	0.024179036	5.35035E-06	20.40141106	1.81798E-05	0.000287225	0.000294241
2025 Feb	60.69403076	0.05949853	0.011873671	0.001070189	13.85225677	0.032092568	4.959998608	0.001070189	0.001070189	5.35095E-06	0.007532574	0.001347828	0.010798218	0.024193715	5.35095E-06	20.41291428	1.81825E-05	0.00028736	0.000294496
2025 Mar	60.71995163	0.059522185	0.011880091	0.001070444	13.85865593	0.032098889	4.962211132	0.001070444	0.001070444	5.35222E-06	0.007534217	0.001348351	0.010800368	0.02420602	5.35222E-06	20.42281342	1.81873E-05	0.000287485	0.000294687
2025 Apr	60.80144119	0.059601068	0.011896805	0.001071765	13.87753105	0.032137766	4.968924046	0.001071765	0.001071765	5.35883E-06	0.007543432	0.001350131	0.010813462	0.024239628	5.35883E-06	20.4508934	1.82099E-05	0.000287872	0.000295112

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 May	62.06573486	0.060839761	0.012144525	0.001094003	14.16620159	0.032804187	5.072263241	0.001094003	0.001094003	5.47002E-06	0.007699917	0.001378192	0.011037725	0.024744134	5.47002E-06	20.8764267	1.85879E-05	0.000293859	0.000301273
2025 Jun	54.18947601	0.04621492	0.010605297	0.001057221	11.73215485	0.028947242	4.174645901	0.001057221	0.001057221	5.2861E-06	0.007554572	0.001222986	0.010641972	0.020763397	5.2861E-06	17.600811	1.94824E-05	0.000265059	0.000242777
2025 Jul	46.35500717	0.031299807	0.008980942	0.001029137	9.408677101	0.026377454	3.342136383	0.001029137	0.001029137	5.14569E-06	0.007313337	0.001087553	0.010185115	0.016976146	5.14569E-06	14.42241001	1.95269E-05	0.000231463	0.000184169
2025 Aug	47.88731384	0.031942803	0.009131901	0.001077725	9.811802864	0.028815664	3.50526309	0.001077725	0.001077725	5.38862E-06	0.007495723	0.001141632	0.010620645	0.017593276	5.38862E-06	14.93217468	1.93291E-05	0.000234816	0.000186538
2025 Sep	48.11013794	0.036391191	0.008862893	0.001075201	10.04847813	0.030206833	3.611895323	0.001075201	0.001075201	5.37601E-06	0.007507475	0.001141719	0.010799747	0.017550908	5.37601E-06	15.01069641	1.86974E-05	0.000232804	0.000181539
2025 Oct	47.72418976	0.044336002	0.0083	0.001050787	10.22782326	0.031406198	3.72845912	0.001050787	0.001050787	5.25393E-06	0.007506241	0.001121162	0.010733569	0.017250143	5.25393E-06	14.88609982	1.80063E-05	0.000225675	0.000173085
2025 Nov	47.64310455	0.047488946	0.008093147	0.001042813	10.31233215	0.031917889	3.77916646	0.001042813	0.001042813	5.21407E-06	0.007516609	0.00111479	0.010723351	0.017158136	5.21407E-06	14.85917091	1.77637E-05	0.00022323	0.000170049
2025 Dec	47.67246246	0.047566857	0.00809523	0.001043363	10.3202219	0.03194607	3.782354832	0.001043363	0.001043363	5.21681E-06	0.007521589	0.001115409	0.01073008	0.017167764	5.21681E-06	14.86830235	1.77714E-05	0.000223336	0.000170112
2026 Jan	47.6920433	0.047599714	0.008099834	0.001043418	10.3258152	0.031949788	3.784356117	0.001043418	0.001043418	5.21709E-06	0.007522114	0.001115754	0.010730465	0.017177776	5.21709E-06	14.87639046	1.77723E-05	0.000223422	0.000170278
2026 Feb	47.71471786	0.047618914	0.008106707	0.00104345	10.33188629	0.031948466	3.786383629	0.00104345	0.00104345	5.21725E-06	0.007522059	0.001116161	0.010730059	0.017190376	5.21725E-06	14.88616371	1.77735E-05	0.000223533	0.000170506
2026 Mar	47.76744461	0.047669668	0.008117311	0.00104435	10.34393501	0.031974763	3.790692329	0.00104435	0.00104435	5.22175E-06	0.007528391	0.001117327	0.010738914	0.017211791	5.22175E-06	14.90408516	1.77892E-05	0.000223783	0.000170775
2026 Apr	47.96062088	0.047861375	0.008151078	0.001048428	10.38612747	0.03209893	3.806092978	0.001048428	0.001048428	5.24214E-06	0.007557706	0.001121807	0.010780628	0.017282775	5.24214E-06	14.96519756	1.78588E-05	0.00022469	0.000171512
2026 May	49.2270813	0.048881631	0.008453921	0.001064752	10.68088531	0.032474224	3.907909155	0.001064752	0.001064752	5.32376E-06	0.007669103	0.001148235	0.010926956	0.017849946	5.32376E-06	15.42561913	1.81863E-05	0.000230957	0.000179897
2026 Jun	49.52310944	0.03789708	0.009907073	0.000997568	10.40014648	0.025451763	3.680732727	0.000997568	0.000997568	4.98784E-06	0.007182679	0.001124075	0.009873859	0.018820118	4.98784E-06	15.89441109	1.9413E-05	0.000246973	0.0002208
2026 Jul	49.20914078	0.03487156	0.009767508	0.001037887	10.14353085	0.026262	3.594162464	0.001037887	0.001037887	5.18943E-06	0.007420204	0.001135765	0.010205223	0.018442856	5.18943E-06	15.58233261	2.0072E-05	0.000245825	0.000210272
2026 Aug	49.26979446	0.033804733	0.009563757	0.001068258	10.25831127	0.028737105	3.669440269	0.001068258	0.001068258	5.34129E-06	0.007384274	0.001168985	0.010372692	0.018549964	5.34129E-06	15.62813282	1.89908E-05	0.000239351	0.000204487
2026 Sep	49.99050903	0.037291311	0.009483287	0.001080583	10.52588463	0.030013002	3.781352043	0.001080583	0.001080583	5.40292E-06	0.007502026	0.001182567	0.010626171	0.0187163	5.40292E-06	15.84730339	1.88768E-05	0.000240833	0.000203022
2026 Oct	49.06864548	0.044653952	0.008800898	0.001049387	10.57466888	0.031010466	3.849718332	0.001049387	0.001049387	5.24693E-06	0.007453973	0.001150117	0.010515932	0.018162921	5.24693E-06	15.52337837	1.80646E-05	0.000231405	0.000190898
2026 Nov	49.26920319	0.04497363	0.008828223	0.001053484	10.62202835	0.03116364	3.867806196	0.001053484	0.001053484	5.26742E-06	0.007485978	0.001154637	0.010560375	0.01823361	5.26742E-06	15.5862875	1.81305E-05	0.000232266	0.000191535
2026 Dec	49.29499435	0.045030009	0.008830774	0.00105399	10.62858009	0.031186279	3.870393991	0.00105399	0.00105399	5.26995E-06	0.007490265	0.001155198	0.010566253	0.018242305	5.26995E-06	15.59431744	1.81381E-05	0.000232367	0.000191601
2027 Jan	49.30813217	0.045052759	0.008833746	0.001054038	10.63232327	0.031189306	3.871739626	0.001054038	0.001054038	5.27019E-06	0.007490716	0.00115543	0.010566683	0.018248875	5.27019E-06	15.5996685	1.81389E-05	0.000232424	0.000191707
2027 Feb	49.3228569	0.045065682	0.008838177	0.001054058	10.63627625	0.031188549	3.873062372	0.001054058	0.001054058	5.27029E-06	0.007490689	0.001155694	0.010566444	0.018257031	5.27029E-06	15.60600758	1.81396E-05	0.000232496	0.000191855
2027 Mar	49.37064743	0.045109056	0.008847717	0.001054919	10.64700699	0.031213276	3.876905918	0.001054919	0.001054919	5.27459E-06	0.007496712	0.001156769	0.010574831	0.018276196	5.27459E-06	15.62204552	1.81547E-05	0.000232723	0.00019209
2027 Apr	49.6884346	0.045399249	0.008905227	0.001061617	10.71578217	0.031411041	3.901912689	0.001061617	0.001061617	5.30808E-06	0.007544259	0.001164189	0.010641837	0.018394681	5.30808E-06	15.72312641	1.827E-05	0.000234222	0.000193355
2027 May	51.04828262	0.046536315	0.009201983	0.001083282	11.02366352	0.031975452	4.010190487	0.001083282	0.001083282	5.41641E-06	0.007694765	0.001193844	0.010846414	0.018966531	5.41641E-06	16.19473076	1.86752E-05	0.000240839	0.000201049
2027 Jun	43.34958267	0.029576169	0.008173873	0.001007008	8.591619492	0.025459649	3.061750174	0.001007008	0.001007008	5.03504E-06	0.007294123	0.001021345	0.010048602	0.015367785	5.03504E-06	13.16341019	1.96944E-05	0.000218474	0.00015865
2027 Jul	42.64492035	0.024748936	0.008076413	0.001043454	8.139447212	0.025324522	2.887466431	0.001043454	0.001043454	5.21727E-06	0.007545619	0.001019941	0.010350967	0.01477282	5.21727E-06	12.66776562	2.08005E-05	0.000218445	0.000147038
2027 Aug	44.66972351	0.026537672	0.00832853	0.001093061	8.661775589	0.027672384	3.080809116	0.001093061	0.001093061	5.46531E-06	0.007786059	0.00107502	0.010928101	0.015505469	5.46531E-06	13.3296423	2.08369E-05	0.000225944	0.000151419
2027 Sep	45.01210403	0.033759933	0.007944574	0.001078081	9.082824707	0.029669616	3.267098665	0.001078081	0.001078081	5.3904E-06	0.007707295	0.001073859	0.011065648	0.015558322	5.3904E-06	13.52532768	1.95438E-05	0.00022202	0.000146773
2027 Oct	45.14191437	0.040587332	0.007603205	0.001060922	9.353282928	0.030783024	3.406464815	0.001060922	0.001060922	5.30461E-06	0.007707172	0.001067101	0.011015237	0.015561838	5.30461E-06	13.61433792	1.89489E-05	0.000217948	0.00014388
2027 Nov	45.39099121	0.042467929	0.007555486	0.001061786	9.465018272	0.03120588	3.457247019	0.001061786	0.001061786	5.30893E-06	0.007744195	0.001070563	0.011055751	0.015637523	5.30893E-06	13.70176506	1.88932E-05	0.00021799	0.000143857
2027 Dec	45.4199295	0.042580832	0.007555658	0.001062205	9.474168777	0.031238887	3.461108446	0.001062205	0.001062205	5.31102E-06	0.007748848	0.00107112	0.011061751	0.015646966	5.31102E-06	13.71113968	1.88969E-05	0.000218069	0.000143906
2028 Jan	45.44008255	0.042617828	0.007560655	0.001062177	9.480289459	0.031241002	3.463300228	0.001062177	0.001062177	5.31088E-06	0.007748747	0.001071456	0.011061177	0.01565803	5.31088E-06	13.71996307	1.8896E-05	0.000218154	0.000144099
2028 Feb	45.47080231	0.042644795	0.007569466	0.00106229	9.488360405	0.031241944	3.466026545	0.00106229	0.00106229	5.31145E-06	0.007749219	0.001072027	0.011061464	0.015674431	5.31145E-06	13.73279858	1.88986E-05	0.000218303	0.000144386
2028 Mar	45.4956665	0.042667113	0.007575604	0.001062545	9.494445801	0.031248117	3.468129873	0.001062545	0.001062545	5.31272E-06	0.00775088	0.00107253	0.011063625	0.015686147	5.31272E-06	13.74223042	1.89034E-05	0.000218423	0.000144567
2028 Apr	45.67398834	0.04283379	0.007606413	0.001066527	9.532160759	0.031364508	3.481839657	0.001066527	0.001066527	5.33263E-06	0.007779823	0.001076688	0.01110482	0.015749384	5.33263E-06	13.79716873	1.89744E-05	0.00021928	0.000145191
2028 May	46.42841721	0.043540321	0.007732829	0.001084025	9.689905167	0.031878378	3.539410353	0.001084025	0.001084025	5.42013E-06	0.007907399	0.001094442	0.011286826	0.016010674	5.42013E-06	14.02575779	1.9286E-05	0.000222903	0.000147627
2028 Jun	40.80036545	0.028593969	0.007249021	0.001016774	7.865086079	0.026022386	2.815275192	0.001016774	0.001016774	5.08387E-06	0.007478443	0.000970057	0.010411759	0.013644899	5.08387E-06	11.91830826	2.00268E-05	0.000207564	0.00012533
2028 Jul	40.60815811	0.024129109	0.007359381	0.001045064	7.586009502	0.025653983	2.700209379	0.001045064	0.001045064	5.22532E-06	0.007642046	0.000977825	0.010567524	0.013457215	5.22532E-06	11.71189976	2.09156E-05	0.000209442	0.0001222134
2028 Aug	44.87255859	0.027833698	0.007975877	0.001146663	8.592999458	0.029667029	3.063079119	0.001146663	0.001146663	5.73331E-06	0.008237412	0.001084441	0.011763424	0.014927096	5.73331E-06	13.05077362	2.1713E-05	0.000228123	0.000132619
2028 Sep	50.0952301	0.087195173	0.00604332	0.001065873	11.88247204	0.041248508	4.58270359	0.001065873	0.001065873	5.32936E-06	0.008519156	0.001124541	0.011978575	0.016810467	5.32936E-06	15.32308769	1.70761E-05	0.000212806	0.000132685
2028 Oct	52.12927628	0.114791378	0.005103568	0.0010206	13.26622295	0.045921631	5.245168209	0.0010206	0.0010206	5.103E-06	0.008674667	0.001132819	0.011889637	0.0175531	5.103E-06	16.22624016	1.53099E-05	0.00020412	0.000132673
2028 Nov	53.61605835	0.118078873	0.005248461	0.001049659	13.64509583	0.047233053	5.395033836	0.001049659	0.001049659	5.24829E-06	0.008921971	0.001165107	0.012228419	0.018053768	5.24829E-06	16.689188	1.57451E-05	0.000209932	0.000136454
2028 Dec	53.62400055	0.11809656	0.005249229	0.001049813	13.64712429	0.047240071	5.39583683	0.001049813	0.001049813	5.24907E-06	0.00892329	0.00116528	0.012230225	0.018056443	5.24907E-06	16.69166183	1.57474E-05	0.000209963	0.000136474
2029 Jan	54.29562378	0.118102543	0.005504462	0.001048794	13.81728649	0.04699998	5.447799206	0.001048794	0.001048794	5.24397E-06	0.008894428	0.001177282	0.012181445	0.018468667	5.24397E-06	16.99874687	1.5771E-05	0.000213644	0.000144657
2029 Feb	55.23397064	0.118205838	0.005848836	0.001048285	14.05506897	0.04671818	5.521402836	0.001048285	0.001048285	5.24143E-06	0.008863175	0.001194218	0.012126323	0.01903259	5.24143E-06	17.42145729	1.58152E-05	0.00021872	0.000155672
2029 Mar	55.78865433	0.118375719	0.006038411	0.001049031	14.19568634	0.046613034	5.566066265	0.001049031	0.001049031	5.24515E-06	0.008855087	0.001204421	0.012108655	0.019352201	5.24515E-06	17.66409492	1.58541E-05	0.000221643	0.000161705
2029 Apr	56.3936615	0.119090132	0.006177125	0.001054932	14.34933662	0.046797093	5.620391369	0.001054932	0.001054932	5.27466E-06	0.008896773	0.001216481	0.012161921	0.019633975	5.27466E-06	17.89353752	1.59589E-05	0.000224454	0.00016596
2029 May	60.9786911	0.119746886	0.007645153	0.00108905	15.39391994	0.046504583	5.949923038	0.00108905	0.00108905	5.44525E-06	0.009053361	0.001307157	0.012325463	0.022022428	5.44525E-06	19.73146629	1.69276E-05	0.00024955	0.000208403
2029 Jun	58.27381134	0.048957884	0.012214682	0.001043846	12.56367111	0.025453394	4.420451641	0.001043846	0.001043846	5.21923E-06	0.007709346	0.001271743	0.010221492	0.023052553	5.21923E-06	19.29783058	2.1695E-05	0.000292481	0.000294043
2029 Jul	34.2688179	0.009869079	0.006530459	0.000959589	5.906889915	0.021665582	2.079901695	0.000959589	0.000959589	4.79795E-06	0.006811721	0.000864913	0.009288351	0.01123279	4.79795E-06	9.614021301	1.93454E-05	0.000180373	9.85537E-05
2029 Aug	38.13021469	0.016772896	0.006667619	0.001030479	7.389817238	0.028926948	2.651615143	0.001030479	0.001030479	5.15239E-06	0.006799704	0.000981616	0.010354668	0.012899224	5.15239E-06	11.16721535	1.63482E-05	0.000185334	0.000105045
2029 Sep	49.91706848	0.095464624	0.00547443	0.00103127	12.31937027	0.043527573	4.79436636	0.00103127	0.00103127	5.15635E-06	0.008252706	0.001115766	0.01186497	0.01681271	5.15635E-06	15.4476862	1.49069E-05	0.000202911	0.000127292
2029 Oct	52.50261688	0.115295641	0.00515288	0.001029097	13.35299015	0.046242427	5.277787685	0.001029097	0.001029097	5.14549E-06	0.008735398	0.001141625	0.01198551	0.017678963	5.14549E-06	16.34057045	1.54234E-05	0.000205742	0.000133625
2029 Nov	53.59955597	0.117998153	0.005248602	0.001049501	13.63977623	0.047217656	5.392694473	0.001049501	0.001049501	5.24751E-06	0.008918996	0.001164847	0.012226178	0.01804824	5.24751E-06	16.68380356	1.57406E-05	0.000209889	0.000136412
2029 Dec	53.58687973	0.117971905	0.005247294	0.001049247	13.63659477	0.047206536	5.39144516	0.001049247	0.001049247	5.24624E-06	0.008916893	0.001164568	0.012223233	0.018043973	5.24624E-06	16.67987061	1.57368E-05	0.000209838	0.00013638
2030 Jan	54.19890213	0.117983557	0.005479149	0.001048368	13.79167747	0.046990823	5.438865662	0.001048368	0.001048368	5.24184E-06	0.008891113	0.001175513	0.012179497	0.018418927	5.24184E-06	16.95934486	1.57589E-05	0.000213189	0.000143812
2030 Feb	55.09079742	0.118158638	0.005796619	0.001048618	14.0177393	0.046766184	5.509643078	0.001048618	0.001048618	5.24309E-06	0.008868713	0.001191745	0.01213758	0.018945273	5.24309E-06	17.35604286	1.58099E-05	0.000217959	0.000153945
2030 Mar	55.66477966	0.118458718	0.005976812	0.001050583	14.16331673	0.046727486	5.55717802	0.001050583	0.001050583	5.25291E-06	0.008872196	0.001202521	0.012136314	0.019260319	5.25291E-06	17.59885979	1.58648E-05	0.000220895	0.000159643
2030 Apr	56.41273117	0.119524762	0.006124762	0.00105964	14.35336018	0.0470584	5.626276493	0.00105964	0.00105964	5.2982E-06	0.008941205	0.001217753	0.012227272	0.019585546	5.2982E-06	17.87033081	1.6016E-05	0.000224239	0.000164099
2030 May	60.51932907	0.127091795	0.00669557	0.001129637	15.38504887	0.049950711	6.020420074	0.001129637	0.001129637	5.64819E-06	0.009515438	0.001305223	0.013006044	0.021117238	5.64819E-06	19.22336197	1.71271E-05	0.000241415	0.00017988
2030 Jun	38.12530136	0.016365422	0.007588015	0.000967825	6.756985188	0.02018421	2.332745552	0.000967825	0.000967825	4.83912E-06	0.007201743	0.000899303	0.009646332	0.012749703	4.83912E-06	10.9730196	2.14578E-05	0.000207524	0.000128486
2030 Jul	34.96796799	0.01026666	0.006488113	0.000981572	6.300067425	0.024483087	2.272416353	0.000981572	0.000981572	4.90786E-06	0.006651205	0.000916434	0.009213188	0.011912577	4.90786E-06	10.05009365	1.76798E-05	0.000173379	0.000102658
2030 Aug	42.68893051	0.029576622	0.006445215	0.001079763	9.685689926	0.040204667	3.536217451	0.001079763	0.001079763	5.39882E-06	0.006268824	0.001119673	0.011681587	0.015036568	5.39882E-06	13.29519176	9.52507E-06	0.000183313	0.00010943
2030 Sep	49.95691299	0.071696647	0.006172027	0.00109459	12.29751873	0.046365455	4.602836609	0.00109459	0.00109459	5.47295E-06	0.007404034	0.001176616	0.013084872	0.016994288	5.47295E-06	15.67070389	1.07532E-05	0.000209087	0.000122009
2030 Oct	51.63750076	0.11193715	0.00511438	0.001016348	13.12230873	0.045600668	5.17624712	0.001016348	0.001016348	5.08174E-06	0.008550246	0.001126354	0.011855995	0.017395616	5.08174E-06	16.07900238	1.49807E-05	0.000202811	0.000131178
2030 Nov	52.29881668	0.115081765	0.005122649	0.00102416	13.30895901	0.046079528	5.261470795	0.00102416	0.00102416	5.1208E-06	0.008700326	0.001136716	0.01193234	0.017610693	5.1208E-06	16.27954865	1.53474E-05	0.000204806	0.000133087
2030 Dec	52.3199234	0.115130618	0.005124635	0.001024566	13.3143568	0.046097975	5.26362133	0.001024566	0.001024566	5.12283E-06	0.008703895	0.001137169	0.01193705	0.01761779	5.12283E-06	16.28611183	1.53538E-05	0.000204888	0.000133141
2031 Jan	52.77252579	0.115179665	0.005290962	0.001024296	13.42906189	0.04596081	5.299115181	0.001024296	0.001024296	5.12148E-06	0.008688656	0.001145331	0.011910123	0.017890047	5.12148E-06	16.49013329	1.5375E-05	0.000207337	0.000138463
2031 Feb	53.39146805	0.115267985	0.005515581	0.001024147	13.58592224	0.045785926	5.347878933	0.001024147	0.001024147	5.12073E-06	0.008669923	0.001156535	0.011876416	0.018259546	5.12073E-06	16.76765633	1.54065E-05	0.000210671	0.000145643
2031 Mar	53.77904892	0.115430951	0.005642374	0.00102509	13.68420219	0.045737296	5.379556656	0.00102509	0.00102509	5.12545E-06	0.00866848	0.001163741	0.011870095	0.018477309	5.12545E-06	16.93426704	1.54389E-05	0.000212682	0.000149665
2031 Apr	54.9128418	0.117478229	0.005811065	0.00104298	13.97250175	0.046483118	5.488874912	0.00104298	0.00104298	5.2149E-06	0.008814324	0.001187594	0.012067295	0.018915709	5.2149E-06	17.3170166	1.57189E-05	0.000217442	0.00015452
2031 May	69.36933136	0.10523513	0.011967908	0.001069398	17.06895065	0.039076552	6.324774742	0.001069398	0.001069398	5.34699E-06	0.008416644	0.001460566	0.011282073	0.02769505	5.34699E-06	23.71438026	1.82753E-05	0.000307456	0.000334042
2031 Jun	68.05742645	0.045071531	0.016353495	0.001007052	14.98606586	0.02017458	5.120585442	0.001007052	0.001007052	5.03526E-06	0.007045984	0.001443133	0.009156824	0.029398382	5.03526E-06	23.93495178	2.19099E-05	0.000349138	0.000425745
2031 Jul	54.37979126	0.026376681	0.011287765	0.001148384	11.61978626	0.03216758	4.195033073	0.001148384	0.001148384	5.74192E-06	0.007067564	0.001366152	0.009909654	0.022329016	5.74192E-06	18.10064697	1.70398E-05	0.000248274	0.000262121
2031 Aug	42.37993622	0.032838508	0.006068339	0.001039451	10.19976425	0.043005444	3.758560896	0.001039451	0.001039451	5.19726E-06	0.005598241	0.001129768	0.011382639	0.015406327	5.19726E-06	13.6089325	5.68392E-06	0.000169902	0.000110289
2031 Sep	49.3587265	0.094254658	0.005289339	0.000999822	12.51147366	0.044690363	4.818503857	0.000999822	0.000999822	4.99911E-06	0.007716702	0.001098824	0.012086027	0.016610218	4.99911E-06	15.45473671	1.22194E-05	0.000199639	0.000121685
2031 Oct	51.84082031	0.114171118	0.005074532	0.001014893	13.19349003	0.0456701	5.216472149	0.001014893	0.001014893	5.07446E-06	0.008626402	0.001126528	0.011823603	0.017456016	5.07446E-06	16.13668823	1.52227E-05	0.000202978	0.000131934
2031 Nov	52.3107338	0.11520873	0.005120445	0.001024086	13.31309319	0.046083853	5.263785362	0.001024086	0.001024086	5.12043E-06	0.00870469	0.001136735	0.011930625	0.017614249	5.12043E-06	16.28294373	1.53611E-05	0.000204817	0.000133131
2031 Dec	52.32858658	0.115248062	0.005122191	0.001024435	13.31763554	0.046099577	5.265582085	0.001024435	0.001024435	5.12218E-06	0.008707661	0.001137123	0.011934694	0.01762026	5.12218E-06	16.28849983	1.53664E-05	0.000204887	0.000133176
2032 Jan	52.87598801	0.115310073	0.005322862	0.001024156	13.45635128	0.045936178	5.308538437	0.001024156	0.001024156	5.12078E-06	0.0086896	0.001147006	0.011902781	0.017949011	5.12078E-06	16.53497887	1.53924E-05	0.000207847	0.000139594
2032 Feb	53.62871933	0.115416668	0.005596062	0.001023976	13.64710903	0.045723531	5.367833614	0.001023976	0.001023976	5.11988E-06	0.008666797	0.001160634	0.01186182	0.018398387	5.11988E-06	16.87249374	1.54306E-05	0.000211902	0.000148325
2032 Mar	54.09943771	0.115620278	0.005749291	0.00102518	13.76646996	0.045667876	5.406366348	0.00102518	0.00102518	5.1259E-06	0.00866561	0.001169397	0.011854979	0.018662104	5.1259E-06	17.07444382	1.54706E-05	0.00021434	0.000153184

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Apr	54.89647675	0.116875239	0.005891676	0.001035972	13.96905518	0.046087507	5.481262207	0.001035972	0.001035972	5.17986E-06	0.008750475	0.001185837	0.011968163	0.018993689	5.17986E-06	17.35583687	1.56457E-05	0.000217818	0.000157411
2032 May	60.25786972	0.118987016	0.007464139	0.001083619	15.20848179	0.046357263	5.885508537	0.001083619	0.001083619	5.41809E-06	0.009018479	0.001293105	0.012282995	0.021668017	5.41809E-06	19.44754982	1.68287E-05	0.000246146	0.000202712
2032 Jun	39.72786713	0.017493898	0.008137627	0.000960999	7.214024067	0.019810844	2.482178926	0.000960999	0.000960999	4.80499E-06	0.007112517	0.000926611	0.009505508	0.013742124	4.80499E-06	11.72509003	2.13295E-05	0.000215341	0.00014772
2032 Jul	32.53238678	0.009204674	0.006163346	0.000913515	5.657718182	0.021117434	2.003689528	0.000913515	0.000913515	4.56758E-06	0.00641024	0.000829496	0.008774131	0.01075564	4.56758E-06	9.172040939	1.79434E-05	0.000168938	9.37501E-05
2032 Aug	37.09975815	0.020018227	0.006214453	0.000974254	7.572882652	0.029824659	2.716500998	0.000974254	0.000974254	4.87127E-06	0.006260988	0.000947792	0.010194722	0.012586351	4.87127E-06	11.05103683	1.36846E-05	0.000176331	9.90058E-05
2032 Sep	48.0598793	0.077011116	0.005746717	0.001028568	11.79536438	0.043098487	4.46041441	0.001028568	0.001028568	5.14284E-06	0.007452707	0.001101796	0.012262037	0.016179206	5.14284E-06	14.95899677	1.21099E-05	0.000201916	0.00011866
2032 Oct	52.12273026	0.107475899	0.005366609	0.001042665	13.15460587	0.046110962	5.14952755	0.001042665	0.001042665	5.21333E-06	0.008535183	0.001147227	0.012217924	0.01755001	5.21333E-06	16.22422409	1.47976E-05	0.000207569	0.000131725
2032 Nov	52.36361694	0.111401968	0.005267443	0.001037054	13.26723862	0.046233732	5.217998981	0.001037054	0.001037054	5.18527E-06	0.008639401	0.001145698	0.012119672	0.017631553	5.18527E-06	16.29929543	1.51042E-05	0.000206894	0.000132769
2032 Dec	51.41625595	0.111864246	0.005082578	0.001010756	13.06466198	0.045332011	5.155871391	0.001010756	0.001010756	5.05378E-06	0.008529896	0.001120035	0.01178862	0.017312881	5.05378E-06	16.00447464	1.50031E-05	0.00020197	0.00013068
2033 Jan	52.27768707	0.112036072	0.0053919	0.001010607	13.28347969	0.045097109	5.224338531	0.001010607	0.001010607	5.05304E-06	0.008506007	0.001135594	0.011742506	0.017825067	5.05304E-06	16.38963127	1.50511E-05	0.000206583	0.000140604
2033 Feb	53.6991806	0.112807676	0.005835394	0.001015625	13.64416027	0.045011606	5.342386723	0.001015625	0.001015625	5.07812E-06	0.008516615	0.001162296	0.011741508	0.018602923	5.07812E-06	16.98972893	1.519E-05	0.000213836	0.000154632
2033 Mar	58.18662262	0.120117657	0.006599318	0.001079593	14.78387642	0.047552329	5.766487598	0.001079593	0.001079593	5.39797E-06	0.009022949	0.001255537	0.012424635	0.020430328	5.39797E-06	18.55322266	1.62077E-05	0.000233227	0.000177051
2033 Apr	60.89881897	0.124008566	0.007129839	0.00111305	15.47259808	0.048783917	6.017249107	0.00111305	0.00111305	5.56525E-06	0.009277829	0.001310925	0.012763281	0.021602755	5.56525E-06	19.53399277	1.67602E-05	0.000245327	0.000192967
2033 May	78.68256378	0.09748026	0.015929392	0.001082978	19.09703064	0.034391858	6.874593735	0.001082978	0.001082978	5.41489E-06	0.0081149	0.001636245	0.010760741	0.033379879	5.41489E-06	27.86341286	1.97028E-05	0.000365058	0.000450125
2033 Jun	67.37986755	0.046837628	0.016389338	0.000931212	15.12914371	0.018750457	5.171800137	0.000931212	0.000931212	4.65606E-06	0.006456355	0.001413701	0.008348162	0.029688179	4.65606E-06	24.08836746	2.01292E-05	0.000343081	0.000438316
2033 Jul	59.00079727	0.03500355	0.013272045	0.001027314	13.0037077	0.026101505	4.578602314	0.001027314	0.001027314	5.13657E-06	0.006566069	0.001366439	0.008932119	0.025241954	5.13657E-06	20.44031715	1.75213E-05	0.000282441	0.000335522
2033 Aug	50.4199791	0.031306028	0.008883318	0.001139466	11.61677456	0.041178972	4.273275375	0.001139466	0.001139466	5.69733E-06	0.006333383	0.001326344	0.010903631	0.02001629	5.69733E-06	16.72691345	1.00285E-05	0.000209258	0.000195358
2033 Sep	50.07577896	0.103217475	0.005150719	0.000995914	12.70442963	0.04452838	4.966300011	0.000995914	0.000995914	4.97957E-06	0.008099713	0.001102175	0.011741046	0.016907327	4.97957E-06	15.64088058	1.37198E-05	0.000198854	0.000127021
2033 Oct	50.26021957	0.110691935	0.004919759	0.000983945	12.7912302	0.044277452	5.057444096	0.000983945	0.000983945	4.91972E-06	0.008363453	0.001092178	0.011462985	0.016923802	4.91972E-06	15.64468098	1.47589E-05	0.000196789	0.000127912
2033 Nov	51.92971039	0.114369825	0.005083141	0.001016626	13.21612072	0.045748148	5.225447178	0.001016626	0.001016626	5.08313E-06	0.008641296	0.001128455	0.011843702	0.01748595	5.08313E-06	16.16434097	1.52493E-05	0.000203325	0.000132161
2033 Dec	51.98775482	0.114497676	0.005088823	0.001017762	13.23089409	0.045799285	5.231288433	0.001017762	0.001017762	5.08881E-06	0.008650956	0.001129716	0.011856941	0.017505497	5.08881E-06	16.18240738	1.52664E-05	0.000203552	0.000132309
2034 Jan	52.5474205	0.114574701	0.005292238	0.001017607	13.37272358	0.045639917	5.275351524	0.001017607	0.001017607	5.08804E-06	0.008633789	0.001139845	0.011826179	0.017839896	5.08804E-06	16.4335041	1.52945E-05	0.000206569	0.000138811
2034 Feb	53.3093338	0.11470291	0.005566155	0.00101762	13.56581974	0.045436155	5.335585594	0.00101762	0.00101762	5.0881E-06	0.008612649	0.001153675	0.011787505	0.018292181	5.0881E-06	16.77377892	1.53356E-05	0.000210659	0.000147559
2034 Mar	53.7935524	0.114930682	0.005721423	0.001019035	13.68861485	0.045389242	5.375417233	0.001019035	0.001019035	5.09518E-06	0.008613175	0.001162721	0.011782979	0.018561151	5.09518E-06	16.98030472	1.53789E-05	0.000213154	0.000152477
2034 Apr	55.10813904	0.117272332	0.005921302	0.001039448	14.02288628	0.046234809	5.501828194	0.001039448	0.001039448	5.19724E-06	0.00877909	0.001190314	0.012006914	0.019073717	5.19724E-06	17.42633057	1.56997E-05	0.000218696	0.000158254
2034 May	74.44844818	0.106276393	0.013573196	0.001107015	18.23477364	0.038820896	6.695286274	0.001107015	0.001107015	5.53507E-06	0.008595585	0.001560776	0.011466583	0.03033264	5.53507E-06	25.74824715	1.93355E-05	0.00033503	0.000380699
2034 Jun	70.64452362	0.04977379	0.017197613	0.000964769	15.92235088	0.019523043	5.445614815	0.000964769	0.000964769	4.82384E-06	0.00668227	0.001479449	0.008633075	0.031220304	4.82384E-06	25.32224083	2.08086E-05	0.000359024	0.000462105
2034 Jul	55.76865387	0.030723717	0.012112794	0.001059712	12.13683224	0.028297132	4.320575237	0.001059712	0.001059712	5.29856E-06	0.006658012	0.001338339	0.009187363	0.023438383	5.29856E-06	18.99287415	1.69432E-05	0.000261523	0.000296064
2034 Aug	53.48612595	0.03910898	0.009220565	0.001166458	12.46086407	0.042648155	4.497606754	0.001166458	0.001166458	5.83229E-06	0.00672168	0.001339585	0.01229551	0.02044973	5.83229E-06	17.58931732	1.06914E-05	0.00023344	0.000195969
2034 Sep	50.65202332	0.1035446	0.005291118	0.001006678	12.81733799	0.044703674	5.010331631	0.001006678	0.001006678	5.03339E-06	0.008179788	0.001116831	0.011781284	0.017179869	5.03339E-06	15.84053612	1.39981E-05	0.000201343	0.000131001
2034 Oct	50.94320679	0.112196669	0.004986601	0.000997314	12.96504974	0.04487906	5.12617445	0.000997314	0.000997314	4.98657E-06	0.008477124	0.001107019	0.011618715	0.017153785	4.98657E-06	15.85727406	1.49596E-05	0.000199463	0.000129651
2034 Nov	52.10942078	0.114765763	0.005100729	0.001020144	13.26185703	0.045906443	5.243531704	0.001020144	0.001020144	5.10072E-06	0.008671206	0.00113236	0.011884677	0.017546467	5.10072E-06	16.22027969	1.53021E-05	0.000204029	0.000132619
2034 Dec	52.1749768	0.114909999	0.00510714	0.001021426	13.2785244	0.045964133	5.25012207	0.001021426	0.001021426	5.10713E-06	0.008682104	0.001133783	0.011899613	0.017568517	5.10713E-06	16.24066353	1.53213E-05	0.000204285	0.000132785
2035 Jan	52.61621857	0.114965014	0.005268273	0.001021248	13.39035797	0.045835245	5.284806252	0.001021248	0.001021248	5.10624E-06	0.008668021	0.001141759	0.011874573	0.017832922	5.10624E-06	16.43903923	1.53429E-05	0.000206668	0.000137937
2035 Feb	53.22846603	0.115080073	0.005486837	0.001021375	13.54553032	0.045678299	5.333335876	0.001021375	0.001021375	5.10687E-06	0.008652182	0.001152894	0.011845145	0.018194845	5.10687E-06	16.71167374	1.53773E-05	0.000209946	0.000144915
2035 Mar	53.60403061	0.115238823	0.005609565	0.0010223	13.64075947	0.045631804	5.364039421	0.0010223	0.0010223	5.1115E-06	0.008650881	0.001159879	0.011839181	0.018405719	5.1115E-06	16.87304497	1.54088E-05	0.000211894	0.000148807
2035 Apr	54.67541504	0.117168404	0.00576975	0.00103914	13.91320324	0.04633287	5.467288494	0.00103914	0.00103914	5.1957E-06	0.008788118	0.001182404	0.012024585	0.018820792	5.1957E-06	17.2351532	1.56727E-05	0.000216396	0.000153423
2035 May	65.61504364	0.114516303	0.009720432	0.001097013	16.34640884	0.043737169	6.19341135	0.001097013	0.001097013	5.48506E-06	0.008901951	0.001395039	0.012036224	0.024883708	5.48506E-06	21.79563141	1.78433E-05	0.000279483	0.000268035
2035 Jun	52.88868713	0.030924523	0.012159619	0.000937045	10.99627399	0.018871617	3.760763168	0.000937045	0.000937045	4.68522E-06	0.006710387	0.001156486	0.008826902	0.021444999	4.68522E-06	17.67354965	2.0599E-05	0.000276469	0.000289793
2035 Jul	48.33824921	0.024152836	0.010566116	0.000996406	9.596099854	0.021238547	3.311425447	0.000996406	0.000996406	4.98203E-06	0.007072815	0.001106822	0.00944844	0.018600931	4.98203E-06	15.45363235	2.09703E-05	0.000252	0.000229895
2035 Aug	45.9656105	0.042681094	0.006864984	0.001021025	11.06868744	0.040973634	3.923295021	0.001021025	0.001021025	5.10512E-06	0.006001343	0.001100685	0.012665056	0.015931796	5.10512E-06	14.65814686	7.71845E-06	0.000207685	0.000123393
2035 Sep	49.89746094	0.102851592	0.005109131	0.000992833	12.67443943	0.044527609	4.947874069	0.000992833	0.000992833	4.96417E-06	0.00805974	0.001096646	0.011787152	0.016793581	4.96417E-06	15.57571793	1.35448E-05	0.000198579	0.000125073
2035 Oct	51.52303314	0.113462038	0.005043719	0.001008692	13.1125803	0.045390874	5.184399605	0.001008692	0.001008692	5.04346E-06	0.008573203	0.001119638	0.011751656	0.017348997	5.04346E-06	16.03782654	1.5128E-05	0.000201738	0.000131123
2035 Nov	53.16397476	0.117088526	0.005203945	0.001040788	13.53024387	0.046835475	5.349649429	0.001040788	0.001040788	5.20394E-06	0.008846694	0.001155275	0.012125188	0.017901555	5.20394E-06	16.54853058	1.56118E-05	0.000208158	0.000135302
2035 Dec	53.52935791	0.117893264	0.00523971	0.001047942	13.6232357	0.047157366	5.386416912	0.001047942	0.001047942	5.23971E-06	0.008907497	0.001163215	0.012208522	0.018024588	5.23971E-06	16.66226578	1.57191E-05	0.000209588	0.000136232
2036 Jan	54.62194443	0.117914155	0.005653469	0.001046394	13.9000421	0.046773158	5.471064091	0.001046394	0.001046394	5.23197E-06	0.008861626	0.00118276	0.012130724	0.018693753	5.23197E-06	17.16106796	1.57588E-05	0.00021557	0.000149494
2036 Feb	56.15261078	0.118091747	0.006214051	0.001045651	14.28793144	0.046318639	5.591225147	0.001045651	0.001045651	5.22826E-06	0.008811521	0.001210404	0.012042065	0.019612491	5.22826E-06	17.85000038	1.58319E-05	0.00023844	0.000167421
2036 Mar	56.96328735	0.118193053	0.006510015	0.001045328	14.4933672	0.046082012	5.654942036	0.001045328	0.001045328	5.22664E-06	0.008785676	0.001225057	0.011996103	0.020098159	5.22664E-06	18.21439171	1.58714E-05	0.00022822	0.000176884
2036 Apr	64.79833221	0.121674962	0.009048555	0.001066268	16.48017502	0.045208033	6.297293663	0.001066268	0.001066268	5.33134E-06	0.008774775	0.001371083	0.011894962	0.024475981	5.33134E-06	21.56966209	1.65488E-05	0.000268734	0.000257344
2036 May	85.59586334	0.130291671	0.015696086	0.001146689	21.65063858	0.043411534	7.967875481	0.001146689	0.001146689	5.73345E-06	0.008944909	0.001764313	0.011902454	0.035870228	5.73345E-06	30.32670212	1.89185E-05	0.000377076	0.000464265
2036 Jun	42.46958542	0.019621402	0.008975742	0.00096505	7.94988203	0.01967676	2.727447033	0.00096505	0.00096505	4.82525E-06	0.007094667	0.000976693	0.009453826	0.015278198	4.82525E-06	12.91307735	2.14223E-05	0.000228731	0.000175543
2036 Jul	36.91926575	0.011366694	0.006911905	0.00101216	6.8107934	0.025817543	2.46434474	0.00101216	0.00101216	5.0608E-06	0.006755329	0.000969585	0.009390163	0.012907509	5.0608E-06	10.81400108	1.76493E-05	0.000179992	0.00011568
2036 Aug	43.81891632	0.025487909	0.00708072	0.001131438	9.447828293	0.038337775	3.447107077	0.001131438	0.001131438	5.65719E-06	0.006824604	0.001153073	0.011656372	0.015501646	5.65719E-06	13.46678448	1.26972E-05	0.000194181	0.000121232
2036 Sep	49.24231339	0.093825169	0.005309153	0.001002638	12.41459179	0.044303417	4.793107986	0.001002638	0.001002638	5.01319E-06	0.00778089	0.001099343	0.01196699	0.016600585	5.01319E-06	15.38992786	1.26622E-05	0.000199001	0.000122591
2036 Oct	52.19054794	0.114922196	0.005109412	0.001021791	13.28232574	0.045979336	5.251449108	0.001021791	0.001021791	5.10896E-06	0.008684078	0.001134167	0.011904307	0.017573809	5.10896E-06	16.24562454	1.53232E-05	0.000204356	0.000132821
2036 Nov	52.05899429	0.114649676	0.005095959	0.00101917	13.24898338	0.045862358	5.238402367	0.00101917	0.00101917	5.09585E-06	0.008662675	0.001131274	0.011873438	0.017529489	5.09585E-06	16.2046032	1.52867E-05	0.000203833	0.000132489
2036 Dec	52.1219902	0.11479114	0.005102034	0.001020396	13.26503849	0.045917682	5.244771481	0.001020396	0.001020396	5.10198E-06	0.008673233	0.001132637	0.011887668	0.017550698	5.10198E-06	16.2241993	1.53055E-05	0.000204079	0.00013265
2037 Jan	53.1381073	0.114924178	0.00547223	0.001020048	13.52253914	0.045624461	5.324699402	0.001020048	0.001020048	5.10024E-06	0.008641412	0.001151015	0.011830875	0.018158689	5.10024E-06	16.68053627	1.53558E-05	0.000209561	0.000144485
2037 Feb	54.51848984	0.115176015	0.005965984	0.00102026	13.87238693	0.045266308	5.434034824	0.00102026	0.00102026	5.1013E-06	0.008604975	0.001176105	0.01176348	0.018975651	5.1013E-06	17.29573059	1.54325E-05	0.000216957	0.000160249
2037 Mar	55.50162506	0.115823589	0.006257423	0.001024913	14.12180042	0.045275573	5.516870499	0.001024913	0.001024913	5.12457E-06	0.008623715	0.001194799	0.011779665	0.019498371	5.12457E-06	17.70273209	1.55424E-05	0.00022189	0.00016942
2037 Apr	56.64143753	0.117400065	0.006489102	0.001038248	14.41139317	0.045752496	5.62166214	0.001038248	0.001038248	5.19124E-06	0.008724253	0.001217925	0.011911619	0.020000109	5.19124E-06	18.11965561	1.5767E-05	0.00022702	0.000176423
2037 May	79.88571167	0.087790571	0.01739284	0.001034101	19.22342873	0.029640151	6.816915035	0.001034101	0.001034101	5.17051E-06	0.007545342	0.001650063	0.00986245	0.03488671	5.17051E-06	28.76486397	1.97169E-05	0.000379372	0.000493773
2037 Jun	68.05010223	0.047351535	0.016582092	0.00093449	15.30097389	0.01877952	5.229504585	0.00093449	0.00093449	4.67249E-06	0.00647135	0.001426439	0.008362055	0.030041166	4.67249E-06	24.3645401	2.02019E-05	0.000346388	0.000444432
2037 Jul	55.92189789	0.03075834	0.012110877	0.001057435	12.31192398	0.029246788	4.404393196	0.001057435	0.001057435	5.28717E-06	0.006483826	0.001356258	0.009013789	0.023776501	5.28717E-06	19.19524002	1.5923E-05	0.00025738	0.000299962
2037 Aug	47.78232956	0.037132062	0.007604463	0.001083663	11.36989689	0.042466588	4.128469944	0.001083663	0.001083663	5.41831E-06	0.006056598	0.001218595	0.011829085	0.017829951	5.41831E-06	15.58559227	7.85846E-06	0.000202262	0.000152925
2037 Sep	50.37823486	0.084165834	0.00587781	0.001046378	12.66171741	0.045935225	4.795709133	0.001046378	0.001046378	5.23189E-06	0.007512229	0.001149474	0.012666835	0.017159352	5.23189E-06	15.88531208	1.11253E-05	0.000207434	0.000127057
2037 Oct	51.82433701	0.11394351	0.005079691	0.001014999	13.18814754	0.04566659	5.212860107	0.001014999	0.001014999	5.075E-06	0.008617447	0.001126562	0.011828205	0.017451892	5.075E-06	16.1330204	1.51918E-05	0.000202986	0.000131885
2037 Nov	53.21842957	0.117180079	0.005210278	0.001041918	13.54393387	0.046885088	5.354838848	0.001041918	0.001041918	5.20959E-06	0.008854833	0.001156516	0.012138853	0.017920099	5.20959E-06	16.56569672	1.56239E-05	0.000208382	0.00013544
2037 Dec	53.2781868	0.117312506	0.005216098	0.001043086	13.55914593	0.046937682	5.360859871	0.001043086	0.001043086	5.21543E-06	0.008864803	0.001157813	0.012152446	0.017940214	5.21543E-06	16.58429146	1.56416E-05	0.000208615	0.000135592
2038 Jan	53.79127121	0.117351301	0.005406712	0.001042633	13.68915749	0.046773367	5.400918484	0.001042633	0.001042633	5.21316E-06	0.008846003	0.001167041	0.01211981	0.018250847	5.21316E-06	16.8166275	1.56636E-05	0.000211404	0.000141694
2038 Feb	54.50068283	0.117448568	0.00566462	0.00104243	13.86893749	0.046571024	5.456768036	0.00104243	0.00104243	5.21215E-06	0.008824195	0.001179879	0.012080732	0.018674787	5.21215E-06	17.13494301	1.56993E-05	0.000215228	0.000149938
2038 Mar	54.92837524	0.117598183	0.0058084	0.001043183	13.97737026	0.04650043	5.491403103	0.001043183	0.001043183	5.21592E-06	0.008819735	0.001187778	0.01206965	0.018918877	5.21592E-06	17.32079124	1.57315E-05	0.000217468	0.000154508
2038 Apr	55.79028702	0.119004875	0.005955973	0.001055333	14.19646931	0.046982367	5.572921276	0.001055333	0.001055333	5.27667E-06	0.008916256	0.001205644	0.01219889	0.01927116	5.27667E-06	17.62177658	1.59266E-05	0.000221194	0.000158861
2038 May	67.49328613	0.111059882	0.010727161	0.001088356	16.72903252	0.041894849	6.277223587	0.001088356	0.001088356	5.44178E-06	0.008720388	0.001428527	0.011748076	0.026202045	5.44178E-06	22.71508789	1.80713E-05	0.000292566	0.000297754
2038 Jun	73.06948853	0.05285595	0.017858656	0.000966537	16.61845016	0.019702749	5.687340736	0.000966537	0.000966537	4.83269E-06	0.006669003	0.001522949	0.008595323	0.032559514	4.83269E-06	26.37576294	2.07527E-05	0.000369857	0.00048551
2038 Jul	71.51520538	0.045743905	0.016522689	0.001150703	15.8877182	0.02747356	5.537734509	0.001150703	0.001150703	5.75352E-06	0.007565544	0.001598283	0.010122379	0.030906282	5.75352E-06	25.05895424	2.12601E-05	0.000349982	0.000427257
2038 Aug	49.16923904	0.044651031	0.007547822	0.001068706	11.95932388	0.043450974	4.269401073	0.001068706	0.001068706	5.34353E-06	0.006106015	0.001193922	0.012836874	0.017692372	5.34353E-06	15.9740057	7.31335E-06	0.000216357	0.000146528
2038 Sep	50.25673294	0.096840523	0.005405318	0.001012844	12.72244549	0.045085669	4.912739277	0.001012844	0.001012844	5.06422E-06	0.007890665	0.0011173	0.012132874	0.016983777	5.06422E-06	15.74799061	1.2753E-05	0.000202741	0.000126574
2038 Oct	52.3395462	0.11521139	0.005125402	0.001024777	13.32012558	0.04611278	5.266050339	0.001024777	0.001024777	5.12389E-06	0.008707412	0.001137472	0.011940134	0.017624224	5.12389E-06	16.29237366	1.53608E-05	0.000204956	0.000133198
2038 Nov	52.89927292	0.116467096	0.005179384	0.001035687	13.46268749	0.046604529	5.322612286	0.001035687	0.001035687	5.17843E-06	0.008801335	0.001149593	0.012066678	0.017812591	5.17843E-06	16.46642494	1.55285E-05	0.000207138	0.000134625
2038 Dec	52.88203812	0.116430715	0.005177641	0.001035346	13.45831013	0.046589255	5.320894718	0.001035346	0.001035346	5.17673E-06	0.008798521	0.001149216	0.012062671	0.017806783	5.17673E-06	16.46105003	1.55237E-05	0.00020707	0.000134581
2039 Jan	53.46754074	0.116482273	0.005394238	0.001034897	13.6066761	0.046405755	5.366684437	0.001034897	0.001034897	5.17449E-06	0.008777753	0.001159758	0.012026397	0.018160362	5.17449E-06	16.72570419	1.55497E-05	0.000210246	0.000141514
2039 Feb	54.27040863	0.116590902	0.005686314	0.001034653	13.81013775	0.046175897	5.429875374	0.001034653	0.001034653	5.17327E-06	0.008752931	0.001174284	0.011981956	0.018640341	5.17327E-06	17.08605385	1.55899E-05	0.000214575	0.00015085

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Mar	54.87379456	0.117015235	0.005861728	0.001037767	13.96322727	0.046196725	5.480999947	0.001037767	0.001037767	5.18883E-06	0.008766994	0.001185804	0.011995564	0.018957766	5.18883E-06	17.33405876	1.56605E-05	0.000217584	0.000156361
2039 Apr	55.7830925	0.118459187	0.00602256	0.0010502	14.19434929	0.046682581	5.566574574	0.0010502	0.0010502	5.251E-06	0.008865002	0.001204582	0.01212643	0.019334465	5.251E-06	17.65424919	1.58616E-05	0.000221543	0.000161128
2039 May	62.64675522	0.120866254	0.008066602	0.001109643	15.77653503	0.046896987	6.079763412	0.001109643	0.001109643	5.54822E-06	0.009190725	0.001341666	0.01250397	0.022782765	5.54822E-06	20.34375	1.73687E-05	0.000258035	0.000220031
2039 Jun	38.1526947	0.017923603	0.007499605	0.000964467	6.825881004	0.020534361	2.367912531	0.000964467	0.000964467	4.82233E-06	0.007195758	0.00089855	0.009643442	0.012750834	4.82233E-06	10.9951067	2.12594E-05	0.000206352	0.000127549
2039 Jul	32.9447937	0.009182197	0.006068713	0.000935113	5.928818703	0.023576366	2.145847082	0.000935113	0.000935113	4.67557E-06	0.006294319	0.000871158	0.008741842	0.011213022	4.67557E-06	9.449022293	1.65796E-05	0.000162188	9.4784E-05
2039 Aug	34.74752808	0.011898031	0.005801589	0.000985727	7.056132793	0.031499024	2.664999962	0.000985727	0.000985727	4.92863E-06	0.005827462	0.000992466	0.008860428	0.012741596	4.92863E-06	10.54987335	1.16961E-05	0.000145325	9.92962E-05
2039 Sep	43.81892014	0.063326441	0.005514359	0.00101146	10.26640606	0.039149545	3.985747337	0.00101146	0.00101146	5.0573E-06	0.007268451	0.001071562	0.010531709	0.015266474	5.0573E-06	13.51663303	1.3395E-05	0.000176738	0.000116504
2039 Oct	51.59289169	0.111139022	0.005142075	0.001021557	13.06396484	0.045492414	5.159781456	0.001021557	0.001021557	5.10778E-06	0.008583523	0.00113009	0.011807216	0.017410919	5.10778E-06	16.05026245	1.519E-05	0.000202394	0.000131678
2039 Nov	52.29154587	0.112878494	0.005203052	0.001034305	13.24713039	0.046104599	5.232646465	0.001034305	0.001034305	5.17152E-06	0.008699924	0.00114455	0.011963306	0.017643079	5.17152E-06	16.2684803	1.5392E-05	0.000205098	0.000133426
2039 Dec	52.37817764	0.113111116	0.005209987	0.001035807	13.27029419	0.046180226	5.241897583	0.001035807	0.001035807	5.17904E-06	0.008714368	0.001146282	0.011982385	0.017671604	5.17904E-06	16.29560089	1.54168E-05	0.000205431	0.00013364
2040 Jan	52.7593948	0.113170706	0.005348581	0.001035423	13.36667919	0.046062555	5.271773338	0.001035423	0.001035423	5.17711E-06	0.00870116	0.001152999	0.011958867	0.017899102	5.17711E-06	16.46632004	1.54334E-05	0.000207476	0.0001381
2040 Feb	53.28960037	0.113273002	0.005539972	0.001035375	13.50225925	0.045919664	5.314121723	0.001035375	0.001035375	5.17687E-06	0.008686366	0.001162641	0.011931585	0.018215695	5.17687E-06	16.70469856	1.54619E-05	0.000210338	0.000144226
2040 Mar	53.75888824	0.113714859	0.005661937	0.001038885	13.62136173	0.045999516	5.35506916	0.001038885	0.001038885	5.19442E-06	0.008708061	0.001171803	0.011957637	0.018448353	5.19442E-06	16.89008713	1.55301E-05	0.000212598	0.000148017
2040 Apr	54.57213974	0.115125738	0.00578833	0.001051478	13.82753086	0.046514709	5.432820797	0.001051478	0.001051478	5.25739E-06	0.008809284	0.001188929	0.012094534	0.018767653	5.25739E-06	17.16690445	1.57272E-05	0.000216041	0.000151659
2040 May	67.43544769	0.108111829	0.010888051	0.00109165	16.64355469	0.04144479	6.23116827	0.00109165	0.00109165	5.45825E-06	0.008664409	0.001433027	0.011693628	0.026278364	5.45825E-06	22.72001839	1.81052E-05	0.000293485	0.000300572
2040 Jun	65.19947815	0.04398315	0.015695641	0.000948637	14.43710327	0.019105535	4.935749531	0.000948637	0.000948637	4.74318E-06	0.006626455	0.001378777	0.00860265	0.028298775	4.74318E-06	23.0241642	2.05837E-05	0.00033362	0.000411605
2040 Jul	57.45104599	0.03342944	0.012930704	0.001022372	12.41767216	0.024625048	4.344903946	0.001022372	0.001022372	5.11186E-06	0.006744618	0.001317359	0.009102029	0.024119373	5.11186E-06	19.63204765	1.87182E-05	0.000281556	0.000319256
2040 Aug	45.55654144	0.033726785	0.007066923	0.00107557	10.80171585	0.042491976	3.959722757	0.00107557	0.00107557	5.37785E-06	0.005915443	0.001194327	0.011469257	0.016981272	5.37785E-06	14.77714348	7.32195E-06	0.000187645	0.000138565
2040 Sep	49.07239532	0.084155232	0.005579967	0.001016366	12.3894701	0.045100182	4.693275928	0.001016366	0.001016366	5.08183E-06	0.007358849	0.00111163	0.012483566	0.016555252	5.08183E-06	15.43124866	1.07753E-05	0.000202239	0.000119665
2040 Oct	53.57257843	0.115022972	0.005340202	0.00105569	13.62190437	0.047427155	5.36043644	0.00105569	0.00105569	5.27845E-06	0.00881465	0.001169765	0.012378485	0.018043038	5.27845E-06	16.69509697	1.52812E-05	0.00021101	0.000135695
2040 Nov	54.95156479	0.119008958	0.005444381	0.001080477	13.97680092	0.048567843	5.508902073	0.001080477	0.001080477	5.40239E-06	0.009076129	0.001197936	0.01264176	0.018506126	5.40239E-06	17.11813736	1.58303E-05	0.000216008	0.000139411
2040 Dec	54.89560699	0.118953757	0.005436696	0.001079224	13.96284389	0.048513234	5.503967285	0.001079224	0.001079224	5.39612E-06	0.009069113	0.001196591	0.012625325	0.018487195	5.39612E-06	17.10027504	1.58242E-05	0.00021576	0.000139284
2041 Jan	55.51377487	0.118989483	0.005671185	0.001078147	14.11960316	0.048286181	5.552099705	0.001078147	0.001078147	5.39074E-06	0.009043217	0.00120756	0.012577697	0.018867284	5.39074E-06	17.38306046	1.58507E-05	0.000219138	0.000146848
2041 Feb	56.39521408	0.119124174	0.005991537	0.001077819	14.34304905	0.048031334	5.621632099	0.001077819	0.001077819	5.3891E-06	0.009016362	0.001223471	0.012527693	0.019394469	5.3891E-06	17.77869415	1.58972E-05	0.000223885	0.000157111
2041 Mar	57.04579163	0.11956837	0.006182729	0.001081006	14.50811672	0.048043966	5.676612377	0.001081006	0.001081006	5.40503E-06	0.009030034	0.001235856	0.012539852	0.019738851	5.40503E-06	18.04719925	1.59719E-05	0.000227139	0.000163128
2041 Apr	57.93181992	0.120898984	0.006347866	0.00109256	14.7332325	0.048483644	5.759192467	0.00109256	0.00109256	5.4628E-06	0.009119142	0.001254072	0.012659689	0.020113733	5.4628E-06	18.36340332	1.61584E-05	0.000231047	0.000168041
2041 May	68.96412659	0.111571677	0.011071408	0.001110281	17.08957481	0.042638298	6.39491272	0.001110281	0.001110281	5.55141E-06	0.008811695	0.001461416	0.012010354	0.026840327	5.55141E-06	23.25464249	1.81772E-05	0.000299877	0.000306178
2041 Jun	40.43432236	0.020201838	0.008145419	0.000969787	7.451517105	0.020652875	2.581039429	0.000969787	0.000969787	4.84894E-06	0.007201365	0.000940575	0.009640151	0.013993446	4.84894E-06	2.131E-05	0.00017061	0.000149281
2041 Jul	33.42842865	0.009673701	0.00641858	0.000933693	5.699458599	0.020490205	1.992924571	0.000933693	0.000933693	4.66846E-06	0.006710215	0.000834387	0.009112514	0.010852833	4.66846E-06	9.325220108	1.93673E-05	0.000178654	9.59655E-05
2041 Aug	39.96665192	0.023936192	0.006677036	0.001025897	8.194177628	0.031182248	2.899646521	0.001025897	0.001025897	5.12948E-06	0.006737128	0.000989007	0.011200588	0.013269733	5.12948E-06	11.8544693	1.4944E-05	0.000195629	0.000104323
2041 Sep	48.80978394	0.079962231	0.005734827	0.001029507	12.12841225	0.044209413	4.5740242	0.001029507	0.001029507	5.14753E-06	0.007432102	0.001109902	0.012549305	0.01638514	5.14753E-06	15.25144291	1.1499E-05	0.000204799	0.000118807
2041 Oct	52.98648453	0.115667947	0.00522236	0.001040079	13.47408962	0.046724346	5.319169521	0.001040079	0.001040079	5.2004E-06	0.008791357	0.00115326	0.0121377	0.01783991	5.2004E-06	16.49546051	1.54537E-05	0.000207975	0.000134648
2041 Nov	54.0317955	0.118385248	0.005310252	0.001059428	13.74454975	0.047626987	5.429441929	0.001059428	0.001059428	5.29714E-06	0.008975704	0.001175232	0.012354743	0.018192649	5.29714E-06	16.81996155	1.58034E-05	0.000211861	0.00013739
2041 Dec	54.07195282	0.118489712	0.005313626	0.001060172	13.75494099	0.047661658	5.433679104	0.001060172	0.001060172	5.30086E-06	0.008982787	0.001176076	0.012363076	0.0182062	5.30086E-06	16.83242607	1.58168E-05	0.00021201	0.000137496
2042 Jan	54.60292053	0.118565105	0.005507133	0.001059939	13.8895874	0.047506452	5.475522041	0.001059939	0.001059939	5.29969E-06	0.008966106	0.001185659	0.01233256	0.018524278	5.29969E-06	17.07105446	1.58437E-05	0.000214872	0.000143694
2042 Feb	55.31414413	0.118656091	0.005766946	0.001059619	14.06986904	0.047297273	5.531452179	0.001059619	0.001059619	5.2981E-06	0.008943314	0.001198502	0.012291668	0.018950684	5.2981E-06	17.39089775	1.58786E-05	0.000218712	0.000152007
2042 Mar	55.8155632	0.1189567	0.005919515	0.001061692	14.19707108	0.047284506	5.573387146	0.001061692	0.001061692	5.30846E-06	0.008949952	0.00120798	0.012295626	0.019221185	5.30846E-06	17.60052872	1.59311E-05	0.000221249	0.00015682
2042 Apr	57.34927368	0.121780545	0.006139741	0.001086542	14.58698463	0.04833037	5.721822739	0.001086542	0.001086542	5.43271E-06	0.009153157	0.001240377	0.012571802	0.019806011	5.43271E-06	18.11399651	1.63163E-05	0.000227647	0.000163101
2042 May	78.171371	0.103534698	0.01508398	0.00112014	19.03507614	0.037301473	6.916016579	0.00112014	0.00112014	5.6007E-06	0.008541066	0.001632613	0.011363546	0.0325160881	5.6007E-06	27.35774422	2.0009E-05	0.000357821	0.000424116
2042 Jun	44.67675018	0.022150951	0.00956422	0.000972724	8.554523468	0.01993498	2.936765671	0.000972724	0.000972724	4.86362E-06	0.007129038	0.001017707	0.009484314	0.016445613	4.86362E-06	13.83651352	2.15186E-05	0.000238885	0.000195392
2042 Jul	34.62863159	0.009646167	0.006373928	0.000979195	6.292383194	0.025070632	2.284920692	0.000979195	0.000979195	4.89598E-06	0.006527993	0.000920762	0.009092583	0.011907663	4.89598E-06	10.00009632	1.69809E-05	0.000168584	0.000101316
2042 Aug	42.65024185	0.039973214	0.005937675	0.000990028	10.38945198	0.041403528	3.716702938	0.000990028	0.000990028	4.95014E-06	0.00565176	0.00105	0.012281221	0.014559514	4.95014E-06	13.50306129	6.09539E-06	0.000186411	9.93246E-05
2042 Sep	49.79982376	0.096105672	0.005304683	0.001005873	12.62960911	0.044999607	4.87093401	0.001005873	0.001005873	5.02936E-06	0.007815586	0.001106018	0.01215017	0.01674982	5.02936E-06	15.58608341	1.24667E-05	0.000201162	0.000122896
2042 Oct	52.74802017	0.115998723	0.005168732	0.001033041	13.42381477	0.046483468	5.305999279	0.001033041	0.001033041	5.16521E-06	0.008771447	0.001146541	0.01204046	0.017761251	5.16521E-06	16.42013931	1.5462E-05	0.000206608	0.000134195
2042 Nov	53.87075043	0.118503563	0.005277612	0.001054948	13.70965385	0.047469877	5.419306278	0.001054948	0.001054948	5.27474E-06	0.008959388	0.001170882	0.012294645	0.018139344	5.27474E-06	16.7694149	1.57968E-05	0.000210989	0.000137061
2042 Dec	53.89163971	0.118553117	0.005279545	0.001055349	13.71498299	0.047487989	5.42144537	0.001055349	0.001055349	5.27674E-06	0.008962988	0.00117133	0.012299205	0.018146385	5.27674E-06	16.77589417	1.58035E-05	0.00021107	0.000137115
2043 Jan	54.37366104	0.118576743	0.005460421	0.001054781	13.8371191	0.047325354	5.458941936	0.001054781	0.001054781	5.2739E-06	0.008944008	0.001179971	0.012266474	0.018440032	5.2739E-06	16.99511337	1.58228E-05	0.000213699	0.000142912
2043 Feb	55.04498291	0.118662342	0.005705385	0.001054518	14.00724411	0.047129728	5.511723995	0.001054518	0.001054518	5.27259E-06	0.008922709	0.001192105	0.012228454	0.018842125	5.27259E-06	17.29681206	1.58558E-05	0.000217322	0.000150745
2043 Mar	55.46331406	0.118828386	0.005843518	0.00105544	14.11331654	0.047071591	5.545809746	0.00105544	0.00105544	5.2772E-06	0.008920207	0.001199866	0.012220253	0.019078428	5.2772E-06	17.47730637	1.58897E-05	0.0002195	0.00015513
2043 Apr	56.99699783	0.12169037	0.006059702	0.00108054	14.50335979	0.048133384	5.69466877	0.00108054	0.00108054	5.4027E-06	0.009126362	0.001232296	0.012499907	0.019659625	5.4027E-06	17.98884201	1.62791E-05	0.000225872	0.000161286
2043 May	72.71353912	0.110177413	0.01256018	0.001119753	17.89283371	0.040898949	6.628519058	0.001119753	0.001119753	5.59876E-06	0.008809103	0.001530751	0.011811765	0.029044934	5.59876E-06	24.86617851	1.91321E-05	0.00032237	0.000350649
2043 Jun	65.19801331	0.043669477	0.01562448	0.000965626	14.3695488	0.019495595	4.914135933	0.000965626	0.000965626	4.82813E-06	0.006764614	0.001382529	0.008794499	0.028139144	4.82813E-06	22.92040443	2.09667E-05	0.000334073	0.000406867
2043 Jul	54.80527115	0.028961448	0.011711371	0.001083315	11.84396648	0.029435661	4.236825466	0.001083315	0.001083315	5.41658E-06	0.006762301	0.001336567	0.009384887	0.022826826	5.41658E-06	18.50468445	1.68895E-05	0.000254775	0.00028108
2043 Aug	47.92657089	0.042157371	0.007339427	0.00106397	11.55843544	0.042746376	4.137701511	0.00106397	0.00106397	5.31985E-06	0.006088717	0.00117616	0.012593959	0.017199544	5.31985E-06	15.48852253	7.56287E-06	0.000210161	0.00014017
2043 Sep	49.39560699	0.087389119	0.005517927	0.0010156	12.49825859	0.045258202	4.749221802	0.0010156	0.0010156	5.078E-06	0.007478282	0.001111115	0.012500028	0.01661122	5.078E-06	15.51065063	1.11281E-05	0.0002031	0.00011992
2043 Oct	51.78305817	0.110902332	0.005169122	0.001020894	13.16808224	0.045875009	5.178182125	0.001020894	0.001020894	5.10447E-06	0.00850796	0.001130812	0.011991628	0.017433416	5.10447E-06	16.13854408	1.471E-05	0.000204176	0.000130937
2043 Nov	53.49785995	0.117740966	0.005239272	0.001047513	13.61493587	0.047136363	5.382389069	0.001047513	0.001047513	5.23756E-06	0.008899381	0.001162676	0.01220612	0.018013898	5.23756E-06	16.65298462	1.56968E-05	0.000209503	0.00013613
2043 Dec	53.44643784	0.117632397	0.005234089	0.001046496	13.60186481	0.047090683	5.377263069	0.001046496	0.001046496	5.23248E-06	0.008890987	0.001161551	0.012194122	0.017996589	5.23248E-06	16.63694763	1.56824E-05	0.000209299	0.000136
2044 Jan	54.22512817	0.117705159	0.005521702	0.001045928	13.79918671	0.046848401	5.438205719	0.001045928	0.001045928	5.22964E-06	0.008863714	0.001175577	0.012146268	0.018466417	5.22964E-06	16.98870087	1.57176E-05	0.000213521	0.000145206
2044 Feb	55.39601898	0.118060187	0.005922406	0.001047459	14.09601688	0.046623968	5.532447338	0.001047459	0.001047459	5.2373E-06	0.008846259	0.001197106	0.012108345	0.019141627	5.2373E-06	17.5011673	1.57994E-05	0.000219694	0.00015796
2044 Mar	56.1901207	0.118608154	0.00615462	0.001051455	14.29748726	0.04664541	5.599619865	0.001051455	0.001051455	5.25728E-06	0.008863763	0.001212248	0.0121248	0.019560715	5.25728E-06	17.82826424	1.5891E-05	0.000223661	0.000165258
2044 Apr	57.07889175	0.11985448	0.006333031	0.001062023	14.52330589	0.047027241	5.681512356	0.001062023	0.001062023	5.31011E-06	0.008943815	0.001230313	0.012230125	0.019949732	5.31011E-06	18.15219688	1.60682E-05	0.000227649	0.000170642
2044 May	63.46645355	0.124173239	0.008014448	0.001128949	16.02484512	0.048162352	6.188719273	0.001128949	0.001128949	5.64474E-06	0.00937502	0.00135972	0.012768175	0.022979269	5.64474E-06	20.56870651	1.75402E-05	0.000260029	0.00021888
2044 Jun	41.86126709	0.019619105	0.008922359	0.000933904	7.902994633	0.018984191	2.709405184	0.000933904	0.000933904	4.66952E-06	0.006851831	0.000958839	0.009122147	0.015222128	4.66952E-06	12.83334446	2.07296E-05	0.000225027	0.000177899
2044 Jul	41.71068573	0.015773984	0.008449876	0.001045902	7.522083282	0.022373443	2.607145071	0.001045902	0.001045902	5.22951E-06	0.007555536	0.001000773	0.010180667	0.014416348	5.22951E-06	12.24568367	2.21916E-05	0.000222655	0.000149401
2044 Aug	49.48028183	0.03438139	0.008265271	0.001185471	10.70986843	0.038655862	3.789856911	0.001185471	0.001185471	5.92736E-06	0.0075694	0.001205231	0.013247113	0.017034313	5.92736E-06	15.19831562	1.53304E-05	0.000236634	0.000143388
2044 Sep	50.40509033	0.102962278	0.005190977	0.001005201	12.79870892	0.045052424	4.988078594	0.001005201	0.001005201	5.026E-06	0.008111599	0.001109446	0.011961507	0.016962098	5.026E-06	15.73876667	1.35458E-05	0.000201039	0.000126073
2044 Oct	51.15930939	0.112591639	0.005010331	0.00100173	13.01975822	0.04507602	5.147075653	0.00100173	0.00100173	5.00865E-06	0.008510305	0.001111856	0.011672713	0.017226432	5.00865E-06	15.92503071	1.50104E-05	0.000200346	0.000130178
2044 Nov	51.73944855	0.113924094	0.005065369	0.001012962	13.16760254	0.045582697	5.206023216	0.001012962	0.001012962	5.06481E-06	0.008608719	0.001124367	0.011801858	0.017421847	5.06481E-06	16.10527802	1.51893E-05	0.000202592	0.00013167
2044 Dec	51.79101563	0.114038222	0.005070399	0.001013971	13.18072987	0.045628078	5.211218357	0.001013971	0.001013971	5.06985E-06	0.00861732	0.001125486	0.011813588	0.017439213	5.06985E-06	16.12132835	1.52045E-05	0.000202794	0.000131801
2045 Jan	52.19728088	0.114090279	0.005218584	0.001013817	13.28368378	0.04551002	5.243163109	0.001013817	0.001013817	5.06909E-06	0.008604472	0.001132831	0.011790671	0.01768248	5.06909E-06	16.30387306	1.52245E-05	0.000204987	0.000136539
2045 Feb	52.7516861	0.114177093	0.005418748	0.001013763	13.42418575	0.045357991	5.286923409	0.001013763	0.001013763	5.06881E-06	0.008588461	0.001142883	0.011761611	0.018012425	5.06881E-06	16.55191612	1.52536E-05	0.000207967	0.000142934
2045 Mar	53.18780899	0.114518374	0.005541087	0.001016346	13.53485584	0.045392584	5.324242592	0.001016346	0.001016346	5.08173E-06	0.008601928	0.00115127	0.011776192	0.018237488	5.08173E-06	16.72887039	1.53087E-05	0.000210117	0.000146765
2045 Apr	53.85840607	0.11561919	0.005655084	0.00102586	13.70532513	0.045771144	5.387733936	0.00102586	0.00102586	5.1293E-06	0.008677632	0.001165182	0.011877618	0.01851077	5.1293E-06	16.9626236	1.54613E-05	0.000213012	0.000150123
2045 May	57.32817841	0.122897223	0.006040222	0.001090513	14.58750534	0.048629351	5.732839584	0.001090513	0.001090513	5.45257E-06	0.009222106	0.001239991	0.012621819	0.019722838	5.45257E-06	18.0655117	1.64415E-05	0.000226859	0.000160482
2045 Jun	57.23379517	0.117855124	0.269289792	0.003986642	16.17511749	0.025394278	5.075580597	0.000982472	0.000982472	4.93115E-06	0.007528949	0.001038116	0.0117322	0.012510468	4.96057E-06	11.66602612	2.07245E-05	0.00022527	0.00011459
2045 Jul	63.79876328	0.137650177	0.379632354	0.005291783	19.05832863	0.024073891	5.735781193	0.001030641	0.001030641	5.17986E-06	0.007517822	0.001108547	0.012431614	0.012154509	5.22158E-06	11.38077831	2.17328E-05	0.000237156	0.000114384
2045 Aug	67.89545441	0.147924572	0.329175889	0.004746925	21.48877907	0.042097092	6.774500847	0.001056897	0.001056897	5.30757E-06	0.00638399	0.001256177	0.01481902	0.015255	5.3437E-06	14.84551144	9.28322E-06	0.000236696	0.000115113
2045 Sep	69.74887085	0.186159089	0.28919968	0.004261043	22.0082531	0.04498205	7.40998888	0.001016434	0.001016434	5.10246E-06	0.007857323	0.001249498	0.013880773	0.016755523	5.13424E-06	16.20004272	1.31616E-05	0.0002324	0.000130385
2045 Oct	72.40899658	0.203416914	0.291009963	0.004306586	22.7590847	0.046322804	7.797549248	0.001040064	0.001040064	5.22075E-06	0.008651295	0.00128562	0.013831362	0.017619887	5.25274E-06	16.92549515	1.56062E-05	0.000237457	0.000139891
2045 Nov	76.20666504	0.214145988	0.306198895	0.004531561	23.95193863	0.048751015	8.207131386	0.001094542	0.001094542	5.49421E-06	0.009108295	0.001352993	0.014553351	0.018545799	5.52786E-06	17.81418991	1.64371E-05	0.00024989	0.000147258
2045 Dec	77.52916718	0.217920333	0.311439812	0.004609322	24.36680603	0.049595907	8.35015583	0.00111347	0.00111347	5.58921E-06	0.009269533	0.001376422	0.01480262	0.018869419	5.62345E-06	18.12433815	1.67343E-05	0.000254207	0.000149844
2046 Jan	78.0224762	0.217753261	0.311187923	0.004602514	24.48491287	0.049366374	8.386426926	0.001111908	0.001111908	5.58137E-06	0.009241838	0.00138539	0.014749943	0.019200601	5.61555E-06	18.36790276	1.67502E-05	0.000257067	0.000156544

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Feb	78.79959869	0.217830092	0.311352074	0.004600726	24.68005371	0.049133923	8.44726944	0.001111518	0.001111518	5.57941E-06	0.009217203	0.00139949	0.014703127	0.019671675	5.61358E-06	18.72086716	1.6791E-05	0.000261288	0.00016573
2046 Mar	79.69544983	0.21918498	0.313318044	0.004627494	24.93450928	0.049304295	8.531140327	0.001118008	0.001118008	5.61199E-06	0.009259434	0.001415562	0.014766424	0.020045342	5.64636E-06	19.02485085	1.69144E-05	0.000265149	0.000171702
2046 Apr	82.15413666	0.225298792	0.322074592	0.004755497	25.68866539	0.050600991	8.787304878	0.001148947	0.001148947	5.76729E-06	0.009508939	0.001459327	0.015161952	0.020750476	5.80261E-06	19.66447258	1.73972E-05	0.000273844	0.000179363
2046 May	95.79875183	0.211656362	0.328373998	0.004765657	28.57507896	0.042274412	9.543078423	0.001156662	0.001156662	5.80588E-06	0.008985897	0.001713102	0.01412821	0.029272471	5.84123E-06	25.8084259	1.98378E-05	0.000360608	0.000357793
2046 Jun	55.66107178	0.090472594	0.222601205	0.00340297	14.74253178	0.020595795	4.579373837	0.000952239	0.000952239	4.77653E-06	0.007038075	0.001045493	0.010714748	0.014267555	4.80052E-06	12.64795494	2.1053E-05	0.000239361	0.00016092
2046 Jul	46.90591431	0.07117451	0.187150896	0.003008365	11.95255089	0.021187009	3.722676992	0.00094258	0.00094258	4.72582E-06	0.006840607	0.000933058	0.010370445	0.011078636	4.74605E-06	9.977861404	1.98588E-05	0.000201235	0.000102191
2046 Aug	50.7137413	0.078066692	0.181020886	0.002998458	13.34341335	0.028086042	4.249074936	0.00100488	0.00100488	5.03687E-06	0.006873367	0.001032416	0.011671594	0.012665364	5.05639E-06	11.60311413	1.7069E-05	0.00021155	0.000107838
2046 Sep	56.9820137	0.130750254	0.115855977	0.002267455	15.96986485	0.043432061	5.76413393	0.001003925	0.001003925	5.02753E-06	0.007973678	0.001146954	0.012479664	0.016546536	5.0399E-06	15.54812813	1.3965E-05	0.000211869	0.000126834
2046 Oct	57.20669556	0.139333129	0.104285449	0.002131027	15.96517658	0.043931596	5.888976574	0.000996897	0.000996897	4.99158E-06	0.008386634	0.00114602	0.012132871	0.016911283	5.00269E-06	15.82266617	1.52289E-05	0.000209568	0.000131045
2046 Nov	57.53734207	0.140019923	0.103873245	0.002132903	16.04319191	0.044251125	5.921879292	0.001003875	0.001003875	5.02644E-06	0.008447228	0.001153609	0.012211424	0.017033238	5.03749E-06	15.93447113	1.5335E-05	0.000210918	0.000131955
2046 Dec	57.65241241	0.140294626	0.104040176	0.00213675	16.07469749	0.044342294	5.933670044	0.001005933	0.001005933	5.03674E-06	0.008464595	0.001155957	0.012236215	0.017068278	5.04781E-06	15.96716022	1.53663E-05	0.000211346	0.000132225
2047 Jan	58.06014252	0.140379652	0.104177639	0.002136852	16.17794228	0.044243433	5.966078281	0.001006114	0.001006114	5.03764E-06	0.008455009	0.001163394	0.012217942	0.017308298	5.04872E-06	16.14824677	1.53905E-05	0.000213523	0.000136832
2047 Feb	58.62487793	0.140537098	0.104410946	0.002137798	16.32163239	0.044122271	6.011383057	0.001006628	0.001006628	5.04021E-06	0.008444376	0.001173709	0.012196776	0.017635409	5.05129E-06	16.39589691	1.54271E-05	0.000216509	0.00014306
2047 Mar	59.39078522	0.141720802	0.105353773	0.002155014	16.5274868	0.044400878	6.083046436	0.001014771	0.001014771	5.08099E-06	0.008504544	0.001188502	0.012280514	0.017951543	5.09215E-06	16.65901756	1.55676E-05	0.000219828	0.000147573
2047 Apr	60.16228104	0.143190935	0.106482863	0.002176917	16.7379837	0.044808343	6.158159256	0.001025107	0.001025107	5.13274E-06	0.008586508	0.001203633	0.012397059	0.018233471	5.14402E-06	16.90322495	1.57351E-05	0.000222962	0.000150993
2047 May	69.17276764	0.137771621	0.110764965	0.00221233	18.70699501	0.041113295	6.710262775	0.001052801	0.001052801	5.27126E-06	0.008462909	0.001375054	0.012095047	0.02350414	5.28261E-06	20.78777695	1.73892E-05	0.000277349	0.000255995
2047 Jun	76.04792023	0.077402167	0.094322741	0.001848455	18.60159874	0.020494161	6.204559326	0.000964248	0.000964248	4.82677E-06	0.006690676	0.001517102	0.009159578	0.031143514	4.83543E-06	25.4836731	2.05156E-05	0.000364438	0.000459901
2047 Jul	72.11138916	0.069915019	0.095761515	0.002020948	17.37571716	0.026640695	5.862499714	0.001098753	0.001098753	5.49953E-06	0.007317722	0.001526832	0.010316417	0.028326452	5.50856E-06	23.24930573	2.05111E-05	0.000334065	0.000387418
2047 Aug	59.150177	0.06620457	0.077370793	0.001889158	15.03205776	0.040327318	5.172497749	0.001114115	0.001114115	5.57542E-06	0.006638224	0.001338028	0.012619678	0.020761302	5.58301E-06	18.15664673	1.12566E-05	0.000252523	0.000211045
2047 Sep	54.28246689	0.113719493	0.056591116	0.00159418	14.44592667	0.044189427	5.383611202	0.001011597	0.001011597	5.06163E-06	0.007980912	0.001145957	0.012286191	0.017253233	5.06733E-06	16.02415657	1.35964E-05	0.000211761	0.000135332
2047 Oct	54.57472229	0.123441994	0.052402925	0.00153947	14.50039101	0.044017687	5.508262157	0.001001675	0.001001675	5.01174E-06	0.00841026	0.001139752	0.011859112	0.01744087	5.01701E-06	16.12782288	1.52308E-05	0.000209037	0.000138678
2047 Nov	55.88302994	0.126418531	0.052856475	0.0015682	14.83785343	0.045136027	5.640776634	0.001026659	0.001026659	5.13668E-06	0.008625812	0.001167733	0.0121492	0.017874982	5.14199E-06	16.52861977	1.5621E-05	0.000214094	0.000142026
2047 Dec	56.50559235	0.127825573	0.053423252	0.001585449	15.00286674	0.045640748	5.703611851	0.001038127	0.001038127	5.19406E-06	0.008722229	0.001180763	0.01228481	0.018074553	5.19942E-06	16.71315575	1.57954E-05	0.000216481	0.000143608
2048 Jan	57.29711533	0.127969906	0.053699311	0.001585503	15.20338154	0.045436144	5.766307354	0.001038261	0.001038261	5.19473E-06	0.008701468	0.001195158	0.012246288	0.018543107	5.20009E-06	17.06602097	1.58396E-05	0.000220723	0.000152647
2048 Feb	58.42723465	0.128303662	0.054140318	0.001587394	15.49055195	0.045208279	5.857153416	0.00103955	0.00103955	5.20118E-06	0.008682708	0.001215865	0.012207421	0.019195268	5.20654E-06	17.56047821	1.59161E-05	0.000226684	0.000165009
2048 Mar	58.99188995	0.128402382	0.054341435	0.001587426	15.63364124	0.045059506	5.901833057	0.001039598	0.001039598	5.20142E-06	0.008667422	0.001226123	0.01217929	0.019530013	5.20678E-06	17.81243515	1.5947E-05	0.000229713	0.000171476
2048 Apr	62.76147842	0.131153613	0.056250557	0.001615483	16.60070229	0.045143045	6.221980572	0.001058299	0.001058299	5.29498E-06	0.008747725	0.001297364	0.012259878	0.021491406	5.30043E-06	19.34401131	1.63793E-05	0.000248396	0.00020571
2048 May	69.63816071	0.142745361	0.061656784	0.001756557	18.40047073	0.048688687	6.873731613	0.001150879	0.001150879	5.75818E-06	0.009472687	0.001436068	0.013258871	0.024198925	5.76411E-06	21.65690231	1.78956E-05	0.000277663	0.000239806
2048 Jun	43.78273773	0.043120369	0.046144869	0.001418816	9.23025322	0.023888476	3.181118965	0.000977493	0.000977493	4.89023E-06	0.007378323	0.00097031	0.010190632	0.013984009	4.89455E-06	12.23235703	2.05473E-05	0.000215774	0.000139869
2048 Jul	37.4812088	0.022632878	0.038517978	0.001326363	7.169541836	0.021302963	2.42510581	0.000963117	0.000963117	4.81786E-06	0.006976839	0.000883661	0.009676993	0.011492161	4.82142E-06	9.977162361	2.01506E-05	0.00019169	0.000104429
2048 Aug	41.20151901	0.032330997	0.035589796	0.001335089	8.876130104	0.029520689	3.068314791	0.001004576	0.001004576	5.02495E-06	0.006697081	0.000982367	0.010922848	0.013093335	5.02818E-06	11.66492748	1.554E-05	0.000195855	0.000107669
2048 Sep	50.32713318	0.098296247	0.02510871	0.00122965	12.72375011	0.042250752	4.850265503	0.001005416	0.001005416	5.02848E-06	0.007997486	0.001099805	0.011780223	0.016512044	5.03068E-06	15.22721863	1.44633E-05	0.000203192	0.000127321
2048 Oct	52.09995651	0.113102816	0.022502759	0.001204385	13.37867928	0.044125438	5.19345808	0.001006997	0.001006997	5.03622E-06	0.008449676	0.001120147	0.011749817	0.017184358	5.03815E-06	15.86462784	1.52832E-05	0.000204238	0.000132755
2048 Nov	52.8064003	0.114825115	0.022426851	0.00121624	13.56067276	0.044762988	5.267206669	0.00102043	0.00102043	5.10337E-06	0.008570816	0.00113531	0.011905497	0.017425485	5.10529E-06	16.0878849	1.5495E-05	0.000206918	0.000134565
2048 Dec	52.8707695	0.114966311	0.022446621	0.001217641	13.57716084	0.044818323	5.273655415	0.001021678	0.001021678	5.10961E-06	0.008581365	0.001136698	0.011920044	0.017446883	5.11153E-06	16.10764885	1.55139E-05	0.00020717	0.000134729
2049 Jan	53.35730743	0.115049586	0.022617638	0.001217616	13.70044708	0.044689029	5.312142849	0.001021695	0.001021695	5.1097E-06	0.008567991	0.001145533	0.011895472	0.017735682	5.11162E-06	16.32496643	1.55402E-05	0.000209781	0.000140312
2049 Feb	54.0142746	0.115169063	0.022852216	0.001217706	13.86694908	0.044518314	5.364176273	0.001021791	0.001021791	5.11018E-06	0.008550604	0.001157474	0.01186332	0.018124579	5.1121E-06	16.61780548	1.55767E-05	0.000213301	0.000147817
2049 Mar	54.52993011	0.115576155	0.023046937	0.001221376	13.99816704	0.044558462	5.408247948	0.001024881	0.001024881	5.12564E-06	0.008566638	0.001167368	0.011881228	0.018388636	5.12756E-06	16.82547188	1.56427E-05	0.000215838	0.000152313
2049 Apr	55.61693573	0.117484994	0.023492979	0.001241184	14.27654171	0.045227107	5.511983871	0.001041509	0.001041509	5.20879E-06	0.008699979	0.00118998	0.012063665	0.018807137	5.21075E-06	17.18884277	1.59074E-05	0.000220426	0.000157109
2049 May	63.26286316	0.118210405	0.026815532	0.001305755	16.01884842	0.044530347	6.054608345	0.001096492	0.001096492	5.48377E-06	0.008935625	0.001340416	0.012307564	0.022794379	5.48582E-06	20.24648666	1.75212E-05	0.000262516	0.000228715
2049 Jun	40.3710556	0.022973012	0.020953229	0.00109764	7.685292244	0.0201535	2.62419939	0.000949415	0.000949415	4.748E-06	0.007014801	0.00092655	0.00950836	0.013667483	4.74945E-06	11.71125603	2.07868E-05	0.000213556	0.000146201
2049 Jul	36.11922836	0.015778935	0.0183699	0.001098309	6.540382862	0.021639911	2.263379335	0.000965463	0.000965463	4.82815E-06	0.006934344	0.000881126	0.009525876	0.011591398	4.82945E-06	9.986966133	1.98367E-05	0.000188345	0.000104782
2049 Aug	42.62182617	0.028989783	0.018261936	0.00119296	8.901456833	0.031754293	3.118494749	0.001065136	0.001065136	5.32648E-06	0.0070794	0.001034142	0.01162573	0.013942318	5.32773E-06	12.44072056	1.61364E-05	0.00020723	0.000113245
2049 Sep	50.77313232	0.103866771	0.012651304	0.001093251	12.84672737	0.043965902	4.985424519	0.001009324	0.001009324	5.04715E-06	0.008230872	0.00111058	0.01184167	0.016932856	5.04797E-06	15.64664173	1.4528E-05	0.00020294	0.000128767
2049 Oct	51.28223419	0.109854542	0.011951961	0.001085353	13.0019722	0.044155639	5.091780663	0.001008119	0.001008119	5.04108E-06	0.008472369	0.001113623	0.011695322	0.01712364	5.04184E-06	15.79450798	1.53362E-05	0.00020264	0.000131227
2049 Nov	51.95849228	0.111365728	0.012014677	0.001098511	13.17419624	0.044750266	5.160077572	0.001021308	0.001021308	5.10703E-06	0.008585602	0.001128283	0.011848385	0.017351441	5.10778E-06	16.00496483	1.55378E-05	0.000205278	0.000132953
2049 Dec	52.09867859	0.111666933	0.012045641	0.001101458	13.20975208	0.044871207	5.174014568	0.001024063	0.001024063	5.1208E-06	0.008608782	0.001131327	0.011880348	0.017398287	5.12156E-06	16.04818153	1.55796E-05	0.000205831	0.000133312
2050 Jan	52.66592789	0.111822732	0.012244787	0.001102098	13.3535223	0.044753861	5.219482899	0.001024668	0.001024668	5.12382E-06	0.008598905	0.001141732	0.011860006	0.017727161	5.12458E-06	16.29734039	1.56176E-05	0.000208833	0.000139554
2050 Feb	53.38743591	0.111947462	0.012503565	0.001102139	13.53638172	0.044562735	5.276559353	0.001024711	0.001024711	5.12404E-06	0.008579194	0.001154834	0.011823819	0.018155066	5.1248E-06	16.61936569	1.56569E-05	0.000212704	0.000147825
2050 Mar	53.80301666	0.112071544	0.012649233	0.001102721	13.64170837	0.044482507	5.309969425	0.001025255	0.001025255	5.12676E-06	0.008572945	0.001162475	0.011810353	0.018394662	5.12752E-06	16.80117989	1.5686E-05	0.000214896	0.000152353
2050 Apr	54.70833206	0.11353267	0.012889543	0.001116732	13.87122631	0.044988297	5.394964218	0.001038284	0.001038284	5.19191E-06	0.008675701	0.001181269	0.011949128	0.018760022	5.19268E-06	17.11368752	1.58972E-05	0.000218816	0.000156835
2050 May	59.62400055	0.117454782	0.014471943	0.001177017	15.03422356	0.046155337	5.792350769	0.001094441	0.001094441	5.47272E-06	0.009052759	0.001281525	0.012433642	0.021016143	5.47353E-06	18.93156815	1.70741E-05	0.000243255	0.000191528
2050 Jun	45.21141434	0.025788449	0.014792173	0.0010166	8.909009933	0.020175505	3.057600498	0.000956714	0.000956714	4.78394E-06	0.006994237	0.001020616	0.009374073	0.016656965	4.78453E-06	14.02173519	2.08725E-05	0.000238082	0.000199281
2050 Jul	36.28739929	0.014633258	0.011381093	0.001004488	6.730381489	0.022905458	2.382675409	0.000953066	0.000953066	4.76565E-06	0.006612446	0.000909338	0.009121482	0.012405651	4.76616E-06	10.51129627	1.81244E-05	0.000183054	0.000116747
2050 Aug	42.81634903	0.027903296	0.013561812	0.001151632	9.221036911	0.033222668	3.584969521	0.001045583	0.001045583	5.22942E-06	0.006653558	0.001052671	0.011294528	0.014391034	5.2324E-06	12.70271969	1.40686E-05	0.000195217	0.000119868
2050 Sep	61.09830856	0.107933223	0.035992783	0.001717187	16.36422157	0.044446997	5.958095894	0.001003375	0.001003375	5.03133E-06	0.007849984	0.001113112	0.014768312	0.016379818	5.06139E-06	16.11112595	1.44807E-05	0.000201911	0.000132893
2050 Oct	61.63866043	0.11891111	0.031182885	0.001630466	16.36442184	0.045976676	5.093223572	0.001035851	0.001035851	5.19121E-06	0.008535254	0.001152921	0.014419574	0.017298449	5.21604E-06	16.74171448	1.61785E-05	0.000208391	0.000140076
2050 Nov	62.24931335	0.120393977	0.030948093	0.001637152	16.50571251	0.046619087	9.107098579	0.001050778	0.001050778	5.26566E-06	0.008663013	0.001169235	0.014553887	0.017556971	5.29011E-06	16.96724319	1.63985E-05	0.000211373	0.000141948
2050 Dec	62.20038223	0.120437525	0.030677017	0.001631569	16.48326874	0.046667285	9.065321922	0.001052071	0.001052071	5.27198E-06	0.008675822	0.001170538	0.014538568	0.01758275	5.29613E-06	16.98099899	1.64128E-05	0.000211623	0.000142056
2051 Jan	62.40605927	0.120452516	0.030611292	0.001627872	16.5296917	0.046603844	9.059441566	0.001052316	0.001052316	5.27313E-06	0.008671779	0.00117543	0.014510942	0.017742613	5.2971E-06	17.09662819	1.64274E-05	0.000213056	0.000145024
2051 Feb	62.7334938	0.120507471	0.030658346	0.001626133	16.60982513	0.046517655	9.074378014	0.00105254	0.00105254	5.27421E-06	0.008664481	0.00118197	0.014487127	0.01795456	5.2981E-06	17.2540493	1.64479E-05	0.00021497	0.000149042
2051 Mar	63.02163696	0.120749041	0.030737774	0.001628044	16.68255043	0.046552543	9.098436356	0.001054511	0.001054511	5.28406E-06	0.008675737	0.0011876	0.014499635	0.018101279	5.30794E-06	17.36990547	1.6488E-05	0.000216388	0.000151488
2051 Apr	64.20227051	0.122831553	0.031278268	0.001655344	16.99302292	0.047321726	9.258740425	0.001072617	0.001072617	5.37477E-06	0.008821836	0.001209964	0.014740162	0.018477373	5.39904E-06	17.71638298	1.67765E-05	0.00022069	0.000155339
2051 May	71.10565948	0.123333931	0.033721521	0.001707771	18.55823898	0.046671446	9.75612545	0.001121972	0.001121972	5.62159E-06	0.009033869	0.001345735	0.014956209	0.022089928	5.64595E-06	20.48589325	1.82435E-05	0.000258708	0.000220309
2051 Jun	66.79463959	0.052851666	0.046859249	0.001759649	16.07182693	0.022136016	9.684277534	0.000923009	0.000923009	4.63226E-06	0.006518851	0.001172715	0.012398158	0.021054141	4.66811E-06	18.60611916	2.02652E-05	0.000270872	0.00029141
2051 Jul	63.37680817	0.048069846	0.048369288	0.001861169	15.10640144	0.023216339	9.755070686	0.000950205	0.000950205	4.76984E-06	0.006720933	0.001103759	0.013099399	0.018228466	4.80901E-06	16.51158524	2.06689E-05	0.000248255	0.00023828
2051 Aug	61.52444077	0.046934735	0.043663111	0.001782872	14.68248558	0.026242204	9.106012344	0.000976733	0.000976733	4.90028E-06	0.006679791	0.001122704	0.013095812	0.018087218	4.93488E-06	16.35278702	1.89895E-05	0.000241526	0.000223961
2051 Sep	63.79763031	0.059650347	0.047572002	0.001850915	15.37617874	0.02924699	10.59447098	0.000957159	0.000957159	4.80397E-06	0.006713085	0.001105759	0.01484808	0.017318835	4.84947E-06	16.22923279	1.79332E-05	0.000229129	0.000204837
2051 Oct	78.04964447	0.092982486	0.069930546	0.002222561	18.16937447	0.034378342	17.43415833	0.000913199	0.000913199	4.5912E-06	0.006977174	0.001109013	0.022663353	0.016147096	4.69024E-06	16.93307686	1.79639E-05	0.000209302	0.000185034
2051 Nov	84.14811707	0.100627184	0.078613654	0.002368793	19.16644859	0.035464685	19.95126915	0.000914364	0.000914364	4.59936E-06	0.007093671	0.001132847	0.02573476	0.016172854	4.71868E-06	17.49384689	1.85126E-05	0.000209462	0.000187872
2051 Dec	85.51115417	0.101957351	0.080604032	0.002401626	19.37688637	0.035611525	20.51252937	0.000914449	0.000914449	4.6003E-06	0.007110822	0.001138171	0.02642088	0.016183991	4.72422E-06	17.61833572	1.86488E-05	0.000209686	0.000188929
2052 Jan	85.57688904	0.102025732	0.080678158	0.002402769	19.38801575	0.035619143	20.53487015	0.000914514	0.000914514	4.60064E-06	0.007111964	0.001138654	0.026447844	0.016192209	4.72474E-06	17.6292038	1.86552E-05	0.000209763	0.000189098
2052 Feb	85.6116333	0.102059752	0.080694094	0.002403227	19.39654922	0.035627026	20.53937149	0.0009148	0.0009148	4.60208E-06	0.007113873	0.001139271	0.026452169	0.016206518	4.72619E-06	17.64111519	1.86609E-05	0.000209908	0.000189324
2052 Mar	85.73495483	0.102202751	0.080801219	0.002406408	19.42484856	0.035674777	20.56688118	0.000916072	0.000916072	4.60848E-06	0.00712359	0.001140996	0.026486795	0.016234055	4.73274E-06	17.66910553	1.86868E-05	0.000210243	0.000189678
2052 Apr	85.99241638	0.102507427	0.081038795	0.002413479	19.48338127	0.035779923	20.62748528	0.000918798	0.000918798	4.62219E-06	0.007144686	0.001144469	0.026564401	0.016285144	4.74682E-06	17.72360229	1.87423E-05	0.000210892	0.000190293
2052 May	88.83831024	0.103133231	0.081716709	0.002428205	20.26107025	0.035315853	20.70115662	0.000933587	0.000933584	4.69636E-06	0.00718562	0.001204008	0.026276683	0.018057173	4.81925E-06	19.0426712	1.92262E-05	0.000228489	0.000222612
2052 Jun	128.1286621	0.142226189	0.192765191	0.005248379	35.85480499	0.037515089	37.16458511	0.000920143	0.000918334	4.71055E-06	0.00643917	0.001239102	0.034440547	0.016535478	4.94889E-06	20.88285255	2.18053E-05	0.000237015	0.000246433
2052 Jul	135.5565186	0.144863933	0.203492254	0.005420912	36.30016327	0.040169429	40.72676468	0.000955788	0.000953809	4.8919E-06	0.006586416	0.001291957	0.039809909	0.015957037	5.16496E-06	21.06770515	2.21778E-05	0.000226262	0.000235674
2052 Aug	140.9972687	0.148201019	0.206160486	0.005415692	36.44506073	0.042337324	42.77033997	0.000985307	0.000983442	5.03655E-06	0.006778339	0.001348396	0.043492883	0.016358603	5.32764E-06	21.84504318	2.23414E-05	0.000228074	0.000238704
2052 Sep	143.2210236	0.152322799	0.202164307	0.005217461	35.57234573	0.043479122	43.83217239	0.000979121	0.000977428	4.99891E-06	0.006930137	0.001362001	0.046497982	0.016328041	5.30178E-06	22.16918182	2.22682E-05	0.000225862	0.000234694
2052 Oct	153.0810699	0.164300427	0.214220852	0.005380275	36.75934219	0.044848822	48.00350571	0.000973289	0.000971553	4.97273E-06	0.00713399	0.001398058	0.052016553	0.016324658	5.31137E-06	23.06762695	2.3298E-05	0.000225868	0.000239427
2052 Nov	156.4817505	0.16753301	0.218959793	0.005463355	37.29837799	0.045276068	49.37298584	0.0009761	0.000974358	4.98823E-06	0.007191527	0.001413601	0.053673845	0.016393755	5.33794E-06	23.40531158	2.36638E-05	0.00022699	0.000242421
2052 Dec	158.0771332	0.169003323	0.221171677	0.005499381	37.52906799	0.045432322	50.03794098	0.000976043	0.000974302	4.98854E-06	0.007210943	0.001419769	0.054489259	0.016405063	5.3437E-06	23.55120087	2.38245E-05	0.000227232	0.000243668

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Jan	158.5100861	0.169401556	0.221755505	0.005508798	37.5919342	0.045474056	50.21511459	0.000976068	0.000974327	4.98882E-06	0.0072164	0.001421598	0.054706573	0.016413514	5.34543E-06	23.59418488	2.38683E-05	0.000227346	0.000244092
2053 Feb	158.6781311	0.169562981	0.22197184	0.005513055	37.62337875	0.045501586	50.274086	0.000976526	0.000974785	4.99118E-06	0.007220749	0.001422791	0.054775279	0.01642829	5.34824E-06	23.61781693	2.38887E-05	0.000227521	0.000244391
2053 Mar	158.968399	0.169871539	0.222367451	0.005522888	37.69235229	0.045583583	50.36392975	0.000978323	0.000976579	5.00036E-06	0.007233942	0.001425491	0.054872777	0.016461998	5.35805E-06	23.663311	2.39323E-05	0.000227969	0.0002449
2053 Apr	159.8786774	0.170843318	0.223634765	0.005554367	37.90826797	0.045843888	50.65109634	0.000983931	0.000982177	5.02902E-06	0.007275355	0.001433709	0.055185433	0.016558355	5.38875E-06	23.80012131	2.40693E-05	0.000229292	0.000246337
2053 May	174.2878113	0.181817651	0.241378665	0.005850529	40.86331177	0.044768453	54.96985245	0.000974087	0.000971519	4.99432E-06	0.007260971	0.001555218	0.059681874	0.01939865	5.39428E-06	26.70876312	2.57507E-05	0.000260772	0.000310719
2053 Jun	146.287384	0.166288942	0.243915826	0.006178176	40.59128189	0.040087085	43.17398834	0.000904121	0.0008935	4.72896E-06	0.006226897	0.00144038	0.04593274	0.017264523	5.1093E-06	22.12703896	2.29365E-05	0.00026575	0.000274238
2053 Jul	155.4790039	0.175875783	0.263039082	0.006604841	42.39625549	0.042846505	46.81697083	0.000955433	0.000942965	5.0078E-06	0.006655417	0.00150707	0.051476456	0.01668681	5.43562E-06	22.39823914	2.46769E-05	0.000270292	0.000263999
2053 Aug	176.8334656	0.193814263	0.288201064	0.007075817	45.59004593	0.046723533	55.04169464	0.001010086	0.000997563	5.28949E-06	0.007184886	0.001642059	0.061801389	0.017680995	5.78328E-06	24.90790558	2.69929E-05	0.000283462	0.000286137
2053 Sep	212.2554626	0.223409951	0.331807822	0.007824325	50.47406387	0.050761431	69.63330078	0.001035883	0.001023318	5.43281E-06	0.00775432	0.001805311	0.079721406	0.018356916	6.04541E-06	28.46910477	3.07208E-05	0.000294671	0.000317192
2053 Oct	232.4506531	0.239916936	0.354699045	0.008178412	52.82816315	0.052601345	78.27040863	0.00103544	0.001023089	5.43549E-06	0.008040307	0.001884508	0.090417296	0.018521326	6.11735E-06	30.39858055	3.28114E-05	0.000297034	0.000332871
2053 Nov	233.2496796	0.240630493	0.35339424	0.008127673	52.60179138	0.052697454	78.72022247	0.001032437	0.001020323	5.41728E-06	0.008079726	0.00188468	0.091148466	0.0184981	6.10132E-06	30.49810219	3.28897E-05	0.000295556	0.000332484
2053 Dec	234.1059418	0.24131608	0.354366422	0.008142681	52.70052719	0.052770209	79.08882141	0.001032305	0.0010202	5.41684E-06	0.008090885	0.001887938	0.091603793	0.018502967	6.10385E-06	30.57855415	3.29773E-05	0.000295635	0.000333138
2054 Jan	234.3091125	0.241475642	0.354566306	0.008145473	52.72286606	0.052785732	79.17271423	0.001032295	0.001020194	5.41681E-06	0.008093707	0.00188888	0.091707654	0.01851094	6.10447E-06	30.60214615	3.2998E-05	0.000295706	0.000333403
2054 Feb	234.3756256	0.24153389	0.354629487	0.008146713	52.73559952	0.052794732	79.19197845	0.001032522	0.001020421	5.41797E-06	0.008095535	0.001889559	0.091729604	0.018523812	6.10578E-06	30.61589241	3.30063E-05	0.00029584	0.000333637
2054 Mar	234.3933716	0.241550371	0.354640603	0.008146983	52.73994827	0.052797772	79.19480133	0.001032637	0.001020535	5.41855E-06	0.00809626	0.001889846	0.091732256	0.018530533	6.10637E-06	30.6215744	3.30088E-05	0.000295908	0.000333749
2054 Apr	235.5401001	0.242731079	0.356366575	0.008186641	52.99816895	0.053055525	79.58042908	0.001037709	0.001025549	5.44515E-06	0.008135934	0.001899175	0.092178583	0.018624239	6.13632E-06	30.77331543	3.31703E-05	0.000297382	0.000335431
2054 May	233.0058746	0.238844365	0.347113073	0.007989641	52.37997818	0.052391432	77.75485229	0.001051056	0.001039285	5.50403E-06	0.008198496	0.00192553	0.090106025	0.019922312	6.17629E-06	31.39339447	3.31819E-05	0.000308399	0.000354533
2054 Jun	150.1283264	0.15485166	0.215001404	0.005285657	36.28841782	0.038544547	43.38556671	0.000961729	0.000951124	4.98879E-06	0.007008434	0.001588273	0.051630788	0.020305404	5.38174E-06	24.5417347	2.56982E-05	0.000295958	0.000321662
2054 Jul	139.098587	0.148780003	0.217253745	0.005423468	35.18209839	0.040391132	40.38479614	0.000960451	0.000946528	5.00789E-06	0.006725457	0.001518012	0.049348492	0.017132849	5.40775E-06	21.32063866	2.37276E-05	0.000266943	0.000257561
2054 Aug	143.3102722	0.149418622	0.21365276	0.005296142	34.71841431	0.042415615	42.39841843	0.00097724	0.000964278	5.08043E-06	0.006819732	0.001545907	0.052640047	0.017219532	5.48955E-06	21.94960403	2.32581E-05	0.000263445	0.000254409
2054 Sep	146.874527	0.152975887	0.212305874	0.005226689	34.60367584	0.043860231	44.03351974	0.000981497	0.000968984	5.09586E-06	0.006931882	0.001561395	0.055240665	0.017231826	5.51477E-06	22.43799973	2.31129E-05	0.000262483	0.000251839
2054 Oct	147.6845856	0.160709813	0.217577234	0.005337036	35.26442337	0.044623718	44.37912369	0.000967483	0.000953552	5.03696E-06	0.006979557	0.001563796	0.055800952	0.016991537	5.46907E-06	22.3080864	2.31687E-05	0.000262046	0.00024729
2054 Nov	148.5682373	0.164848492	0.222435206	0.005446425	35.86151123	0.045052171	44.66962051	0.000962864	0.000947935	5.02262E-06	0.006987305	0.001571085	0.05619603	0.016900584	5.46444E-06	22.26802254	2.32395E-05	0.000263259	0.000246119
2054 Dec	150.6638031	0.166422144	0.224775016	0.005484362	36.10619736	0.045219548	45.57281494	0.000962794	0.000947876	5.02299E-06	0.007013853	0.001579317	0.057298146	0.016915658	5.47212E-06	22.46643639	2.34574E-05	0.000263559	0.000247804
2055 Jan	150.9618225	0.166640475	0.225067496	0.005488712	36.13873291	0.045239441	45.69856262	0.000962751	0.000947839	5.02282E-06	0.007017609	0.001580595	0.057450719	0.016924419	5.47293E-06	22.49926376	2.34879E-05	0.000263642	0.000248158
2055 Feb	150.9699097	0.166642636	0.225046977	0.005488201	36.14061356	0.045237295	45.69589996	0.000962804	0.000947894	5.02306E-06	0.007017792	0.00158089	0.057445858	0.0169349	5.47311E-06	22.50663376	2.34887E-05	0.00026373	0.000248336
2055 Mar	151.0444336	0.16672188	0.225140959	0.005490504	36.15864182	0.045257542	45.71543503	0.000963292	0.000948376	5.02558E-06	0.007021213	0.001581796	0.057469629	0.016948668	5.47582E-06	22.52120209	2.35001E-05	0.000263904	0.000248551
2055 Apr	151.6517792	0.167390555	0.226036459	0.00551235	36.30414581	0.045438338	45.89753342	0.000967172	0.000952198	5.04582E-06	0.007049423	0.001588229	0.05769809	0.017019918	5.49784E-06	22.61374092	2.35945E-05	0.00026499	0.000249603
2055 May	154.5456696	0.170485333	0.230251029	0.005612641	36.96419907	0.046244055	46.80760574	0.000983874	0.000968641	5.13305E-06	0.00717447	0.001616781	0.058837336	0.017317181	5.59384E-06	23.03098869	2.40305E-05	0.000269622	0.000254161
2055 Jun	130.3795471	0.149281353	0.219019458	0.00540365	33.60355759	0.040757149	36.92366791	0.000950391	0.000926424	4.98942E-06	0.006782851	0.001531707	0.050244901	0.01537776	5.43409E-06	19.1271286	2.36037E-05	0.000272992	0.000219586
2055 Jul	126.7484283	0.149286076	0.22498326	0.005577767	34.01872635	0.041905575	34.49420547	0.000989866	0.000959894	5.20645E-06	0.006881773	0.001600266	0.049215961	0.015700096	5.67108E-06	18.65707207	2.37262E-05	0.000286981	0.000217938
2055 Aug	133.5696564	0.153141141	0.229007319	0.005672635	34.80693436	0.044186618	36.92118454	0.001036419	0.001006875	5.43811E-06	0.007184864	0.001668431	0.052422781	0.016404977	5.91831E-06	19.73995972	2.44248E-05	0.000293018	0.000226497
2055 Sep	136.1390076	0.152092949	0.218658119	0.005399568	33.72999954	0.044851024	38.55488205	0.001031633	0.001005116	5.39266E-06	0.007259304	0.001653343	0.05439499	0.016413078	5.86448E-06	20.30555153	2.404E-05	0.000285429	0.00022445
2055 Oct	141.6152802	0.156520575	0.221011847	0.005417685	34.05859756	0.04553397	40.96553802	0.001034368	0.001008582	5.40301E-06	0.00741353	0.001673076	0.057295959	0.016552169	5.88898E-06	20.9634819	2.4654E-05	0.000285151	0.000228751
2055 Nov	146.2772827	0.159887284	0.225063264	0.005478962	34.50261307	0.045938421	43.00302505	0.001034812	0.001009217	5.40569E-06	0.007491367	0.001691036	0.059766695	0.016608585	5.90689E-06	21.44013214	2.51505E-05	0.000285572	0.000232522
2055 Dec	148.3773499	0.161316305	0.227129802	0.005511301	34.71549225	0.046078157	43.92939758	0.001034229	0.001008675	5.40335E-06	0.007516226	0.001698726	0.060888946	0.016617656	5.91185E-06	21.63965225	2.53656E-05	0.00028572	0.00023418
2056 Jan	148.4883881	0.161399916	0.227195531	0.0055122	34.72787857	0.046088886	43.97071838	0.001034376	0.001008829	5.40407E-06	0.00751881	0.001699468	0.060937401	0.016630141	5.91284E-06	21.65811348	2.53781E-05	0.000285826	0.000234437
2056 Feb	148.5109253	0.161418006	0.227189943	0.005512093	34.73374557	0.046090819	43.9707489	0.001034545	0.001008999	5.40489E-06	0.007519735	0.001699982	0.060935304	0.016644938	5.91363E-06	21.66934586	2.53811E-05	0.000285963	0.000234683
2056 Mar	148.6110535	0.161523312	0.227321282	0.005515295	34.75748444	0.046119135	43.99677277	0.001035248	0.001009688	5.40854E-06	0.007524687	0.001701267	0.06097021	0.016662836	5.91756E-06	21.68827629	2.53978E-05	0.000286206	0.000234955
2056 Apr	149.3181152	0.162289858	0.228390604	0.005541248	34.92303848	0.046337016	44.20407486	0.001040177	0.001014498	5.43427E-06	0.007560422	0.001709439	0.061256833	0.01674586	5.94569E-06	21.79389	2.55184E-05	0.000287596	0.000236137
2056 May	144.9525452	0.155590132	0.212630317	0.005201441	34.10440445	0.044405371	41.02668381	0.001046837	0.001022724	5.45065E-06	0.007541431	0.001740247	0.056821201	0.019217236	5.92169E-06	23.03185463	2.53487E-05	0.000306362	0.000276301
2056 Jun	124.2339172	0.140920475	0.197184101	0.004861924	32.20236206	0.038867697	31.56232452	0.000973579	0.000942407	5.08025E-06	0.006778602	0.00168917	0.045878191	0.020145914	5.51489E-06	21.45376587	2.33149E-05	0.000321535	0.000293578
2056 Jul	133.0639496	0.146226764	0.207858607	0.005105086	33.25693512	0.041441899	35.20438385	0.001028607	0.000996287	5.36079E-06	0.007195181	0.001760801	0.05100923	0.02004566	5.83215E-06	22.10871887	2.47842E-05	0.000324497	0.000290254
2056 Aug	140.0239868	0.146865532	0.206891939	0.005065902	33.23335266	0.043388143	38.42004395	0.001057837	0.001027673	5.49736E-06	0.007380989	0.001799851	0.054923754	0.020270957	5.98005E-06	23.02560806	2.50029E-05	0.000319604	0.0002923
2056 Sep	151.0457306	0.155278921	0.214217752	0.005188962	34.27998352	0.045201309	42.99441147	0.001079234	0.001049825	5.60415E-06	0.007706045	0.001857326	0.060588103	0.020671852	6.11822E-06	24.36368179	2.62499E-05	0.000323554	0.000301559
2056 Oct	157.7610321	0.159795865	0.210763529	0.005042017	33.74639511	0.045431975	46.82969666	0.001052779	0.00102626	5.45859E-06	0.007833839	0.00183504	0.064876027	0.020170702	5.98479E-06	24.9285965	2.67304E-05	0.000311038	0.000297641
2056 Nov	161.5360718	0.162354365	0.212374657	0.005052273	33.89859772	0.045700297	48.64428329	0.001048749	0.001022784	5.43685E-06	0.007899899	0.001841794	0.067019321	0.020108202	5.97415E-06	25.28796768	2.70961E-05	0.000309213	0.000298945
2056 Dec	162.996994	0.163270548	0.213712126	0.00507379	34.0382576	0.04579632	49.29184723	0.001048588	0.001022642	5.43654E-06	0.007918417	0.001847444	0.067805447	0.02011599	5.97901E-06	25.42832565	2.72497E-05	0.000309375	0.000300106
2057 Jan	163.0197906	0.163296685	0.213703841	0.005073676	34.0424118	0.045802861	49.2949829	0.001048781	0.001022839	5.43748E-06	0.00792006	0.001847839	0.067808315	0.020125991	5.97993E-06	25.43691826	2.72534E-05	0.000309464	0.000300256
2057 Feb	163.0368805	0.163310975	0.213700607	0.005073623	34.04705811	0.045804452	49.29485703	0.001048911	0.001022971	5.43813E-06	0.007920766	0.001848233	0.067806497	0.020137325	5.98055E-06	25.44549179	2.72557E-05	0.000309569	0.000300443
2057 Mar	163.2401886	0.163513064	0.213953063	0.005079631	34.09010696	0.045859814	49.3534317	0.001050231	0.00102426	5.44495E-06	0.007930576	0.001850647	0.067886174	0.020167474	5.98801E-06	25.48044586	2.72894E-05	0.000309995	0.000300903
2057 Apr	164.0645447	0.164337903	0.215025499	0.0051051	34.26259613	0.046090398	49.60100555	0.001055541	0.00102944	5.47247E-06	0.007970586	0.001860056	0.068226203	0.020272203	6.01824E-06	25.61096382	2.7427E-05	0.000311583	0.000302472
2057 May	165.3699036	0.164797112	0.213561118	0.00508239	34.55783081	0.04621619	49.43282318	0.001074897	0.001049112	5.56707E-06	0.008094944	0.00189723	0.067923993	0.02133924	6.1079E-06	26.39876747	2.78224E-05	0.000322023	0.00031941
2057 Jun	121.2510223	0.132345065	0.18467176	0.004575427	29.84957314	0.038666524	31.49942398	0.000990897	0.000956521	5.13717E-06	0.007030835	0.001668473	0.047213968	0.018894145	5.58103E-06	20.53215599	2.39793E-05	0.000312664	0.000267796
2057 Jul	127.4773788	0.137204885	0.197326958	0.004870538	30.90694237	0.040666778	34.16147614	0.001033394	0.000995679	5.35947E-06	0.007348615	0.001724282	0.05143958	0.018326698	5.84469E-06	20.58470917	2.53018E-05	0.000316335	0.000257273
2057 Aug	145.3786011	0.151302636	0.217127621	0.005309526	33.79401016	0.044658002	40.46315384	0.001118126	0.00107844	5.79735E-06	0.008023609	0.001889037	0.059814136	0.019824993	6.344E-06	23.02785492	2.7885E-05	0.000339543	0.000282673
2057 Sep	163.9743652	0.162298247	0.229060054	0.005489275	35.21858978	0.046493538	48.70722198	0.001127181	0.001088921	5.84417E-06	0.008354258	0.001963463	0.069803581	0.020097172	6.44874E-06	25.03411865	2.97157E-05	0.000341182	0.000296932
2057 Oct	180.9058075	0.171615377	0.237423748	0.005573981	36.03408432	0.047304753	56.75534058	0.001109826	0.001073694	5.75577E-06	0.0085656	0.002002833	0.079264581	0.019957621	6.4129E-06	26.67667007	3.13011E-05	0.000335637	0.000306888
2057 Nov	185.0209351	0.1740603	0.240375981	0.005620628	36.36639404	0.047620784	58.58792877	0.001110669	0.001074701	5.76099E-06	0.008634085	0.00201947	0.081481814	0.020005947	6.43201E-06	27.1015625	3.17466E-05	0.000336123	0.000310247
2057 Dec	186.2045288	0.174728796	0.24133195	0.005636169	36.46843719	0.047695685	59.1157608	0.0011107	0.001074748	5.76157E-06	0.008650209	0.002024282	0.082122914	0.020015856	6.4368E-06	27.21877861	3.18736E-05	0.000336295	0.000311232
2058 Jan	186.6279144	0.174950913	0.241640538	0.005640725	36.50148773	0.047712605	59.30626297	0.001110485	0.00107455	5.76061E-06	0.008654515	0.002025861	0.08235044	0.020021308	6.43729E-06	27.26253128	3.1916E-05	0.000336337	0.000311652
2058 Feb	186.7212524	0.175000921	0.241697997	0.005641534	36.51086426	0.0477155	59.34322357	0.001110501	0.00107457	5.7607E-06	0.008655563	0.002026414	0.082393095	0.02003002	6.43765E-06	27.27676773	3.19254E-05	0.000336414	0.000311866
2058 Mar	186.8233337	0.175081968	0.241802245	0.005643766	36.52758789	0.047733147	59.37771225	0.001110905	0.001074963	5.7628E-06	0.008659021	0.002027374	0.082437411	0.020041775	6.44007E-06	27.2927475	3.19402E-05	0.000336573	0.000312081
2058 Apr	187.4044495	0.175625995	0.242547423	0.005661163	36.64151764	0.04788081	59.56097794	0.001114366	0.001078314	5.78074E-06	0.008685917	0.002033732	0.082691364	0.020106602	6.4601E-06	27.37923813	3.20393E-05	0.000337639	0.000313093
2058 May	196.8951416	0.175400913	0.237199485	0.00547861	36.8589592	0.046202607	62.9140892	0.001101435	0.001068123	5.70548E-06	0.008700591	0.002099553	0.085802428	0.022444049	6.39168E-06	29.86991119	3.29888E-05	0.00035353	0.000363619
2058 Jun	136.6487427	0.145243764	0.20442009	0.004906818	32.38055038	0.039722681	36.87971497	0.000992199	0.000943411	5.14592E-06	0.007050235	0.001873275	0.055546515	0.021074552	5.68166E-06	23.01029968	2.53033E-05	0.000348902	0.000315073
2058 Jul	142.2388916	0.151934296	0.219587341	0.005280535	33.71614456	0.042695895	39.07793045	0.001050876	0.000995669	5.4519E-06	0.00744331	0.001954327	0.059805259	0.020455586	6.03489E-06	22.89920425	2.66018E-05	0.000356256	0.000299848
2058 Aug	154.9692535	0.156564429	0.224845782	0.005390909	34.61086273	0.044958387	44.41962814	0.001092727	0.001038619	5.66281E-06	0.007796776	0.002039957	0.066420101	0.021117078	6.28246E-06	24.5581646	2.78975E-05	0.000361329	0.000312838
2058 Sep	159.9169922	0.155898347	0.211533949	0.00507314	33.22553635	0.045218248	47.72082901	0.001073791	0.001026006	5.5524E-06	0.007935947	0.001997258	0.069662705	0.020671353	6.1649E-06	25.16408539	2.79363E-05	0.000344919	0.000306684
2058 Oct	167.4880371	0.158410281	0.205402702	0.004902075	32.57317734	0.045435734	51.93268585	0.001056074	0.001012526	5.45506E-06	0.00811057	0.001982194	0.074176706	0.020357069	6.07906E-06	25.95791817	2.8587E-05	0.000333512	0.000306021
2058 Nov	169.9273376	0.159657046	0.206134111	0.004910999	32.67949677	0.045643248	53.05686188	0.001057053	0.001013822	5.46003E-06	0.008166431	0.001991036	0.075511947	0.020387368	6.0914E-06	26.22933197	2.88623E-05	0.000333422	0.000307772
2058 Dec	170.5744324	0.159943864	0.2065036	0.004916728	32.71903992	0.045675337	53.35433578	0.001057003	0.001013799	5.45998E-06	0.008175668	0.001993529	0.075870708	0.020391196	6.09364E-06	26.29463959	2.89327E-05	0.000333469	0.000308293
2059 Jan	170.7687531	0.160020813	0.206586406	0.004917717	32.72968292	0.045679279	53.44226456	0.001056901	0.001013714	5.4595E-06	0.008177814	0.001994278	0.075973496	0.020397015	6.09378E-06	26.31758118	2.89523E-05	0.0003335	0.000308543
2059 Feb	170.7765808	0.160026371	0.206573084	0.004917416	32.73247147	0.045678332	53.43955994	0.001056967	0.001013785	5.45982E-06	0.008178043	0.001994544	0.075967871	0.020406742	6.09404E-06	26.32441711	2.8953E-05	0.000333582	0.000308706
2059 Mar	170.7801514	0.160029083	0.206565306	0.004917243	32.73394394	0.04567777	53.43778229	0.001057003	0.001013823	5.45999E-06	0.008178158	0.001994686	0.075964421	0.020412039	6.09417E-06	26.32807732	2.89533E-05	0.000333626	0.000308795
2059 Apr	171.4140472	0.160622716	0.207325131	0.004935338	32.85589218	0.045846447	53.63447189	0.001060935	0.001017596	5.48029E-06	0.008208483	0.002002147	0.076243512	0.020490589	6.1168E-06	26.42757988	2.90606E-05	0.000334885	0.000309988
2059 May	171.2256317	0.157831267	0.199984625	0.004774151	32.75312424	0.044761758	52.57559586	0.001069638	0.001028357	5.51582E-06	0.008237428	0.002031894	0.074348204	0.022259912	6.12996E-06	27.57584763	2.92519E-05	0.000348303	0.000340624
2059 Jun	142.8001556	0.13937369	0.179416195	0.004375254	30.99431419	0.039584327	38.44320679	0.001045709	0.00100054	5.3759E-06	0.007582169	0.001968142	0.056802738	0.024286868	5.88173E-06	26.0020752	2.66579E-05	0.000369931	0.000365953
2059 Jul	154.8484039	0.147494331	0.191410378	0.00467313	32.82123566	0.042440288	42.46753311	0.001127287	0.001079646	5.79273E-06	0.0082226	0.002101567	0.062523752	0.025478305	6.34165E-06	27.73164177	2.90528E-05	0.00039119	0.00038408
2059 Aug	169.1128387	0.156666636	0.203181863	0.004945202	34.75772858	0.045403648	47.56630707	0.001194973	0.001145721	6.13981E-06	0.008760526	0.002238636	0.069270633	0.026864162	6.7364E-06	29.8459816	3.10829E-05	0.000410655	0.000407568
2059 Sep	174.654068	0.158582702	0.199075177	0.004844822	34.36945343	0.046268731	50.59029007	0.001193908	0.001147687	6.12964E-06	0.00892664	0.002234297	0.072697096	0.026572691	6.73538E-06	30.39691544	3.14275E-05	0.000402792	0.000403465
2059 Oct	159.7797394	0.148660406	0.162657902	0.004041752	29.71519661	0.044398073	47.2899971	0.001098799	0.001063849	5.62245E-06	0.008629678	0.001984202	0.067010038	0.023697041	6.14609E-06	27.9228344	2.86805E-05	0.000347949	0.000348051
2059 Nov	162.3555145	0.149621949	0.161102071	0.003995419	29.484478	0.044508696	48.84040833	0.001090075	0.001056387	5.57701E-06	0.008671773	0.001975424	0.068725191	0.023419112	6.10702E-06	28.08153534	2.88526E-05	0.000342644	0.000345143

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Dec	163.3992004	0.150026038	0.161684036	0.004004415	29.5422802	0.044546198	49.32838058	0.001089728	0.00105607	5.57566E-06	0.008684194	0.001979279	0.06931451	0.023418566	6.10952E-06	28.18248749	2.8964E-05	0.000342673	0.000345931
2060 Jan	163.4203949	0.150047973	0.161674827	0.004004283	29.54595375	0.044551551	49.33165741	0.001089888	0.001056236	5.57644E-06	0.008685558	0.001979622	0.06931708	0.023427645	6.11029E-06	28.19037628	2.89671E-05	0.000342751	0.00034607
2060 Feb	163.4471283	0.150071859	0.161683232	0.004004508	29.5525856	0.044555787	49.33435822	0.001090081	0.001056429	5.57741E-06	0.008686739	0.00198013	0.069319129	0.023440359	6.11126E-06	28.2005825	2.8971E-05	0.000342876	0.000346279
2060 Mar	163.5497437	0.150165722	0.161774918	0.004006789	29.57211685	0.044582099	49.36241913	0.001090773	0.001057103	5.58094E-06	0.008692062	0.001981472	0.069357611	0.023459895	6.11509E-06	28.22132111	2.89887E-05	0.000343129	0.000346579
2060 Apr	164.4159088	0.150955215	0.162622228	0.004027723	29.72801781	0.044814765	49.62391281	0.001096481	0.001062636	5.61015E-06	0.008737582	0.001991936	0.069723576	0.023585347	6.1471E-06	28.37168503	2.91413E-05	0.000344946	0.000348447
2060 May	158.3467865	0.141320139	0.149191111	0.003717226	29.2675705	0.041171376	45.3136673	0.00108197	0.001050747	5.52445E-06	0.008420167	0.002010664	0.063243881	0.026590543	6.0079E-06	29.7010746	2.85189E-05	0.000367482	0.000403209
2060 Jun	135.4640198	0.141705617	0.186269596	0.004537534	31.49392128	0.040165376	34.90503693	0.001046541	0.000987072	5.3706E-06	0.007405066	0.002017575	0.054115899	0.02413539	5.89047E-06	24.93449402	2.58081E-05	0.000383289	0.000356959
2060 Jul	146.399704	0.151316434	0.202777311	0.00494272	33.61224747	0.04359882	38.48934555	0.001132966	0.00106755	5.81346E-06	0.008032848	0.002160802	0.059848934	0.024919761	6.38664E-06	26.20543289	2.80883E-05	0.000405362	0.000366273
2060 Aug	150.5744019	0.147934511	0.194322288	0.004772901	32.81829453	0.044949632	40.91344452	0.001149131	0.001088716	5.88759E-06	0.00813496	0.002155578	0.062521741	0.024738872	6.45759E-06	26.76129913	2.77781E-05	0.000395613	0.000360559
2060 Sep	141.1852722	0.131318629	0.156082943	0.003933609	28.10866356	0.04369228	40.03794098	0.001072575	0.001027681	5.47573E-06	0.007717044	0.001922562	0.059788957	0.022117957	5.96955E-06	25.13563156	2.45317E-05	0.00034238	0.000311193
2060 Oct	151.9085083	0.141524464	0.166252404	0.004112209	29.04485703	0.044631429	45.33547211	0.001055622	0.001007555	5.39645E-06	0.007892897	0.001963586	0.066397764	0.021621	5.94513E-06	25.79675674	2.58176E-05	0.000340117	0.00031054
2060 Nov	154.3709259	0.145372972	0.171389446	0.004213111	29.53432846	0.04503262	46.4813118	0.001051856	0.001001369	5.38015E-06	0.007926709	0.001982295	0.068007134	0.021468837	5.94765E-06	25.86694336	2.61376E-05	0.000341334	0.000309633
2060 Dec	156.5760956	0.146129251	0.172491327	0.004230421	29.64635468	0.045103174	47.51159668	0.001051399	0.001000971	5.37875E-06	0.00795436	0.001990908	0.069252744	0.021476429	5.95444E-06	26.08621216	2.63797E-05	0.000341519	0.000311443
2061 Jan	157.0857086	0.146292895	0.172710523	0.004233523	29.6704998	0.045112412	47.7483139	0.001051184	0.001000785	5.37785E-06	0.007960065	0.001992864	0.069534563	0.021483351	5.95534E-06	26.14064598	2.64341E-05	0.000341575	0.000311968
2061 Feb	157.1601257	0.146318093	0.172727376	0.004233628	29.67656517	0.045111191	47.7765007	0.001051196	0.001000806	5.37792E-06	0.0079608	0.001993372	0.069565251	0.02149423	5.95559E-06	26.15470505	2.64417E-05	0.000341663	0.00031221
2061 Mar	157.2305145	0.146372557	0.172781765	0.004234892	29.68845749	0.045124728	47.79740143	0.001051553	0.001001152	5.37974E-06	0.007963564	0.001994217	0.069592521	0.021507125	5.95761E-06	26.16879272	2.64521E-05	0.000341821	0.000312427
2061 Apr	158.0218506	0.147108898	0.173643962	0.004256031	29.83845329	0.045350634	48.036026	0.00105685	0.001006199	5.40684E-06	0.008003579	0.002004314	0.0699393	0.021618601	5.98758E-06	26.30255508	2.6585E-05	0.000343565	0.000314054
2061 May	156.9439545	0.146956459	0.176141977	0.004292101	31.0201931	0.043410134	45.42651749	0.001066342	0.00101087	5.44749E-06	0.007894314	0.002097301	0.066546381	0.024576046	6.01837E-06	27.80244637	2.69879E-05	0.000376754	0.000367774
2061 Jun	141.4648438	0.148322284	0.204503506	0.004904147	32.48481369	0.042032592	38.34820557	0.001057989	0.000969184	5.37412E-06	0.007378707	0.002164899	0.061436914	0.023029324	6.00888E-06	24.47395325	2.63578E-05	0.000400706	0.000338754
2061 Jul	152.3351898	0.154017702	0.214136884	0.005160091	33.80942535	0.045023616	42.36034393	0.001138925	0.001045931	5.77939E-06	0.007977287	0.002290901	0.067308784	0.023737844	6.45237E-06	25.81118393	2.84675E-05	0.000416628	0.00034744
2061 Aug	167.4887543	0.162396312	0.225256979	0.005420904	35.60121536	0.047974225	48.05753326	0.00120548	0.001109794	6.11874E-06	0.008508873	0.00243534	0.074881047	0.025025392	6.84681E-06	27.954422	3.05545E-05	0.000435572	0.000370077
2061 Sep	179.5784302	0.16424945	0.223001227	0.005349241	35.43429947	0.048609369	54.10495758	0.00120202	0.001111165	6.10458E-06	0.008713118	0.002453004	0.081801116	0.024892988	6.86309E-06	29.25148773	3.15994E-05	0.00042892	0.000375035
2061 Oct	173.9782257	0.154772624	0.187985867	0.004565116	31.27248955	0.046273679	54.60824585	0.001110622	0.001039121	5.63783E-06	0.008555369	0.002220687	0.079882689	0.02274383	6.32619E-06	28.17598534	3.00702E-05	0.000376208	0.000340698
2061 Nov	173.7127075	0.152925909	0.178864092	0.004360203	30.21342278	0.045812216	55.30804825	0.001087703	0.001021471	5.52088E-06	0.0085502	0.00216426	0.080054253	0.022189321	6.19459E-06	28.02947426	2.98084E-05	0.00036225	0.000332235
2061 Dec	175.194397	0.153349161	0.179453909	0.004369184	30.27298546	0.045850605	56.00886536	0.001087326	0.001021162	5.51963E-06	0.008568881	0.002169886	0.080898635	0.022192948	6.19881E-06	28.17804337	2.9971E-05	0.000362327	0.000333438
2062 Jan	175.9934235	0.153566286	0.179761663	0.004373652	30.3057766	0.045863703	56.38409424	0.001087024	0.001020902	5.51845E-06	0.008577847	0.002172972	0.081347652	0.022200625	6.20054E-06	28.26170158	3.00571E-05	0.000362406	0.000334209
2062 Feb	176.1688843	0.153627917	0.179830283	0.004374743	30.31831551	0.045869179	56.45728302	0.001087132	0.001021015	5.51905E-06	0.008580443	0.002174032	0.081434146	0.022214035	6.2017E-06	28.28696823	3.00767E-05	0.000362539	0.000334555
2062 Mar	176.4526672	0.15385893	0.180092067	0.004381014	30.36476326	0.04593461	56.54892731	0.001088716	0.00102251	5.5271E-06	0.008593126	0.002177406	0.081562102	0.022252051	6.21079E-06	28.33442116	3.0123E-05	0.000363111	0.000335161
2062 Apr	177.3907623	0.154677078	0.18104285	0.00440415	30.52690697	0.046177845	56.84749985	0.001094514	0.001027959	5.55653E-06	0.008638765	0.002189045	0.081992105	0.022373643	6.24382E-06	28.48714066	3.02829E-05	0.000365066	0.000336998
2062 May	180.2270203	0.157040909	0.183828101	0.004471204	30.99167252	0.046871766	57.7832756	0.001110832	0.001043287	5.63945E-06	0.008770034	0.002222529	0.083321355	0.022710204	6.3377E-06	28.93231583	3.07559E-05	0.000370553	0.000342218
2062 Jun	139.9179993	0.133824527	0.175413817	0.00434235	28.36431885	0.041766006	40.66024017	0.001078324	0.000996499	5.43071E-06	0.007902275	0.002037938	0.063728034	0.020236984	6.03636E-06	23.20198822	2.74413E-05	0.000364104	0.000285962
2062 Jul	132.0322571	0.131671727	0.185330644	0.004587523	28.96212006	0.042274367	36.88952637	0.001105707	0.001008585	5.53941E-06	0.007728206	0.002087755	0.060576964	0.019911366	6.16419E-06	21.88409233	2.68155E-05	0.000376322	0.000273419
2062 Aug	133.7850952	0.121812455	0.165747955	0.004179525	26.95630646	0.042869709	38.89209366	0.001098591	0.001015701	5.50852E-06	0.007638037	0.002014254	0.061727494	0.01945018	6.09761E-06	22.24134636	2.54748E-05	0.000349921	0.000263745
2062 Sep	140.3624573	0.130100742	0.167381197	0.004188473	27.48368835	0.044033874	42.07301712	0.001079693	0.000995054	5.40755E-06	0.007708801	0.002038406	0.065438941	0.019551834	6.02513E-06	23.05822945	2.55919E-05	0.00035014	0.0002674
2062 Oct	143.7863007	0.152426332	0.18626979	0.004556795	29.95639992	0.046379551	43.23927689	0.001057826	0.00094861	5.24625E-06	0.007749929	0.002156886	0.068019643	0.019973867	5.94777E-06	23.37070084	2.57386E-05	0.000372796	0.000271532
2062 Nov	145.7866821	0.1535386	0.185982913	0.00455138	29.99638367	0.046659905	44.15959167	0.001061155	0.000952127	5.26161E-06	0.007825507	0.002166132	0.069106646	0.020039612	5.96918E-06	23.63322639	2.59983E-05	0.000373055	0.000272978
2062 Dec	147.6264038	0.153993323	0.186630845	0.004561175	30.06174278	0.046698067	45.0317955	0.001060715	0.000951798	5.26032E-06	0.007848691	0.002173143	0.07015679	0.020046266	5.97465E-06	23.81970406	2.62022E-05	0.000373162	0.000274528
2063 Jan	148.2649536	0.154143229	0.186832324	0.004563994	30.08429718	0.046706382	45.33163834	0.001060517	0.000951655	5.25966E-06	0.00785629	0.002175597	0.070514262	0.020054344	5.97624E-06	23.88830948	2.6272E-05	0.000373227	0.000275175
2063 Feb	148.3900909	0.154186785	0.186874628	0.004564683	30.09371948	0.046710737	45.38206482	0.001060637	0.000951782	5.26031E-06	0.007858367	0.00217643	0.070573509	0.020066427	5.97727E-06	23.90790558	2.62863E-05	0.000373346	0.000275459
2063 Mar	148.44104	0.154237553	0.186925113	0.004565926	30.1046772	0.046724506	45.39476013	0.001061001	0.000952119	5.26212E-06	0.00786093	0.002177239	0.070592083	0.020078171	5.97926E-06	23.91926575	2.62949E-05	0.000373504	0.000275638
2063 Apr	148.8707428	0.154682919	0.187458545	0.004578962	30.19220352	0.046858512	45.5244751	0.001064074	0.000954882	5.27736E-06	0.007883616	0.002183578	0.070793167	0.020139085	5.99654E-06	23.99031067	2.63707E-05	0.000374603	0.000276485
2063 May	146.4549713	0.151329562	0.182591781	0.004475383	30.34963036	0.045581199	43.18969727	0.001076031	0.000968215	5.33034E-06	0.007843194	0.002212055	0.06740246	0.022014312	6.02224E-06	24.91087914	2.63522E-05	0.000390738	0.000308051
2063 Jun	124.8532639	0.130024984	0.181168631	0.004434192	28.55830002	0.039970189	34.99277496	0.001042014	0.000905283	5.03276E-06	0.007006519	0.002159012	0.058458831	0.02050145	5.74576E-06	21.59070206	2.4859E-05	0.000401051	0.000283213
2063 Jul	129.2089386	0.12953338	0.184785888	0.004546857	28.50343132	0.041349865	37.63743973	0.00107982	0.000936403	5.19652E-06	0.007289027	0.002197686	0.062413048	0.019598436	5.95249E-06	21.40906715	2.59676E-05	0.000400422	0.000266005
2063 Aug	143.1708679	0.135501727	0.192055419	0.0047296	29.80182838	0.044037055	43.1439743	0.001140552	0.000994946	5.5016E-06	0.007774455	0.002324254	0.069636084	0.02065119	6.30819E-06	23.361063	2.77972E-05	0.000415482	0.000284326
2063 Sep	154.7589722	0.134231001	0.183047861	0.004522623	29.0270195	0.044603907	49.07912064	0.001130666	0.000998512	5.47975E-06	0.007942618	0.00230234	0.075991102	0.020455055	6.28968E-06	24.72628212	2.83422E-05	0.00040051	0.000287854
2063 Oct	160.8653412	0.13356784	0.1705883	0.004230493	27.71798134	0.043990619	52.88293076	0.001092958	0.000975411	5.31862E-06	0.008045897	0.00222725	0.079293534	0.019883316	6.11092E-06	25.32660103	2.86637E-05	0.000377609	0.000285095
2063 Nov	164.2211609	0.134314001	0.169790357	0.00420724	27.66029549	0.044062212	54.55067062	0.001089745	0.00097421	5.30738E-06	0.00810941	0.002229664	0.081151173	0.019859295	6.10653E-06	25.69018173	2.90112E-05	0.000375292	0.000287132
2063 Dec	165.667923	0.134696081	0.170291409	0.004215517	27.7167511	0.044110857	55.22736359	0.001089927	0.00097444	5.30901E-06	0.008131008	0.002235921	0.081972554	0.01987434	6.11353E-06	25.84232903	2.91769E-05	0.000375538	0.000288428
2064 Jan	166.6165619	0.134902596	0.170578465	0.004219583	27.74725151	0.044121012	55.67665482	0.001089555	0.000974145	5.3077E-06	0.008141868	0.002239534	0.082510136	0.019882619	6.11564E-06	25.94193459	2.92802E-05	0.000375611	0.00028934
2064 Feb	166.8839874	0.134982452	0.170674577	0.004221203	27.76274109	0.044129997	55.79325867	0.001089706	0.000974299	5.30857E-06	0.008145998	0.002241039	0.082650363	0.019896658	6.11743E-06	25.97661781	2.9311E-05	0.000375768	0.000289759
2064 Mar	167.2079163	0.135221511	0.170968011	0.004228336	27.81240273	0.044203877	55.903965	0.001091552	0.000975959	5.31759E-06	0.008160214	0.002245083	0.082808003	0.019935725	6.12791E-06	26.0280838	2.93648E-05	0.000376444	0.000290374
2064 Apr	167.7366028	0.135646731	0.171499431	0.004241467	27.90033722	0.044341512	56.07954407	0.001094974	0.000979026	5.33427E-06	0.008185789	0.002252181	0.083066843	0.02000108	6.14712E-06	26.11194611	2.94571E-05	0.000377643	0.000291338
2064 May	164.8310089	0.134896234	0.169363856	0.004177632	28.48829651	0.042853523	53.36734772	0.001091327	0.000973703	5.30454E-06	0.008021068	0.002292406	0.079137206	0.022174532	6.09587E-06	27.11514473	2.91331E-05	0.000397772	0.000329202
2064 Jun	130.3675995	0.128531128	0.175872445	0.004314329	28.68451691	0.039579272	37.39853668	0.001057451	0.000904274	5.0205E-06	0.007046692	0.002273713	0.061066456	0.022217665	5.78327E-06	23.2819767	2.55032E-05	0.000425422	0.000314053
2064 Jul	135.4486542	0.124536909	0.170733526	0.004249493	28.1041851	0.040743947	39.85898209	0.001101655	0.000955349	5.25599E-06	0.007399774	0.002288992	0.063936681	0.02213617	6.01641E-06	23.81094742	2.65093E-05	0.00041845	0.000311088
2064 Aug	141.0269623	0.118686818	0.160313636	0.004044876	27.01865768	0.04166504	43.04683685	0.001110411	0.000977576	5.3291E-06	0.007478163	0.002261233	0.066976599	0.021894423	6.07243E-06	24.45008659	2.63003E-05	0.000398688	0.000308193
2064 Sep	150.6889191	0.118741728	0.147935778	0.003753103	25.68816185	0.041986115	48.91410446	0.001064859	0.000947682	5.13598E-06	0.007531179	0.002180966	0.073054984	0.020761739	5.87599E-06	25.17988205	2.62176E-05	0.000371887	0.000296474
2064 Oct	168.6359253	0.126324594	0.15489921	0.003872543	26.48309708	0.042881787	57.49393463	0.001060389	0.000940887	5.11552E-06	0.007824724	0.002262621	0.083580032	0.020764207	5.93209E-06	26.95446396	2.82942E-05	0.00037523	0.000308671
2064 Nov	175.0495453	0.127865717	0.157089084	0.003911312	26.73752403	0.043112326	60.48019791	0.001062675	0.000943003	5.12943E-06	0.007924163	0.002293692	0.087240271	0.020858301	5.9709E-06	27.64136124	2.90466E-05	0.000377057	0.00031475
2064 Dec	175.9517365	0.128062293	0.157338753	0.00391537	26.76546478	0.043136545	60.90641785	0.00106273	0.000943097	5.13018E-06	0.00793748	0.002297519	0.087756962	0.020866372	5.97501E-06	27.73619652	2.91504E-05	0.000377188	0.00031555
2065 Jan	176.5943604	0.128175855	0.157495946	0.003917534	26.78177452	0.043140385	61.21316147	0.001062474	0.000942896	5.1293E-06	0.007944948	0.00229996	0.088124484	0.020871153	5.97647E-06	27.80353546	2.92213E-05	0.000377234	0.000316159
2065 Feb	176.8267365	0.128240064	0.157574773	0.003918956	26.7942524	0.043149713	61.31561279	0.001062649	0.000943065	5.13026E-06	0.007948839	0.00230131	0.088249132	0.020882066	5.97828E-06	27.83287811	2.92488E-05	0.000377371	0.000316495
2065 Mar	177.1725159	0.128486335	0.157870874	0.003926295	26.84619522	0.043230731	61.43466568	0.00106467	0.000944865	5.14003E-06	0.007964008	0.002305769	0.088418655	0.020925	5.98965E-06	27.88879967	2.93053E-05	0.000378111	0.00031716
2065 Apr	178.1556396	0.129200146	0.158743739	0.003948007	26.99567604	0.043470148	61.77426147	0.001070584	0.000950118	5.16859E-06	0.008008191	0.002318596	0.088907033	0.021043036	6.0229E-06	28.04475975	2.94678E-05	0.000380222	0.000318953
2065 May	179.3422394	0.126814842	0.151330367	0.003767259	27.2818222	0.041287228	60.5683136	0.001069795	0.000957135	5.17769E-06	0.008002251	0.00234893	0.08618743	0.023818286	5.99304E-06	29.93559456	2.99316E-05	0.000399242	0.000371302
2065 Jun	134.7534332	0.125493333	0.169658765	0.00418356	28.0834446	0.039492894	39.98107147	0.001064404	0.000903389	5.01588E-06	0.007125043	0.002326604	0.064307824	0.022419136	5.80229E-06	23.9548893	2.60091E-05	0.000430648	0.000319312
2065 Jul	148.4433136	0.133914262	0.185313866	0.004573665	29.91028214	0.043041587	45.49577713	0.001155295	0.0009781	5.4384E-06	0.007785565	0.002512478	0.072821446	0.022927331	6.31649E-06	25.34012222	2.86817E-05	0.00045691	0.000324824
2065 Aug	163.668045	0.137690857	0.188291311	0.004664338	30.7285099	0.045437127	51.90790939	0.001206136	0.0010304	5.70159E-06	0.008241858	0.002619457	0.080892786	0.023804018	6.62612E-06	27.41529655	3.04079E-05	0.000466686	0.000342088
2065 Sep	161.5960388	0.12881951	0.156169176	0.003959753	27.13138962	0.043805707	53.07779694	0.001123427	0.000985055	5.36889E-06	0.008139566	0.002363113	0.079598859	0.021972602	6.18957E-06	26.86294556	2.88774E-05	0.000408154	0.000315429
2065 Oct	151.7483673	0.134884417	0.153386459	0.003870068	26.55286407	0.043897226	49.93635941	0.001058087	0.00091437	5.02212E-06	0.007814651	0.002276195	0.075504042	0.020486433	5.82785E-06	25.0735836	2.69097E-05	0.000389851	0.000284992
2065 Nov	153.0706635	0.137494773	0.156354189	0.003931573	26.89012337	0.0443701	50.5544281	0.00105993	0.000911832	5.02103E-06	0.007839167	0.002301668	0.076516807	0.020486359	5.84359E-06	25.15866661	2.70329E-05	0.000393399	0.000284666
2065 Dec	153.7791138	0.137608752	0.156457663	0.00393289	26.9017601	0.044382177	50.89438248	0.001059821	0.000911836	5.02106E-06	0.00784965	0.002304182	0.076923102	0.020489618	5.84605E-06	25.23299408	2.71134E-05	0.000393388	0.000285262
2066 Jan	154.8424377	0.137761891	0.156670734	0.003935741	26.92437744	0.044386353	51.40262604	0.001059462	0.000911581	5.01997E-06	0.00786228	0.002308259	0.07753174	0.020499069	5.84881E-06	25.34582138	2.72315E-05	0.000393471	0.000286294
2066 Feb	155.0552216	0.137858972	0.156769723	0.003937934	26.94471169	0.044408772	51.48514175	0.001060038	0.000912105	5.02281E-06	0.007868016	0.002310191	0.077636048	0.020521207	5.85245E-06	25.3793355	2.72601E-05	0.000393768	0.00028674
2066 Mar	155.5046692	0.138258681	0.157212824	0.003949074	27.02401352	0.044535458	51.63066483	0.001063117	0.000914769	5.03743E-06	0.007890715	0.002316957	0.077854291	0.020586243	5.86939E-06	25.45642471	2.73386E-05	0.000394944	0.000287667
2066 Apr	156.0949402	0.138783544	0.157803118	0.003963907	27.12727928	0.044703346	51.82452011	0.001067156	0.000918254	5.05658E-06	0.007920606	0.002325791	0.078145929	0.02066756	5.89166E-06	25.55506897	2.74421E-05	0.000396464	0.000288814
2066 May	157.1976471	0.139680222	0.158034816	0.003976443	27.44001961	0.044960141	51.801754	0.001082006	0.000933129	5.13077E-06	0.008014033	0.002352582	0.078102797	0.021319073	5.9646E-06	26.0489769	2.77344E-05	0.00040339	0.000298896
2066 Jun	128.6323547	0.121521406	0.16495873	0.004121629	26.67136955	0.039942466	38.97481155	0.001079924	0.000901351	5.02344E-06	0.007247906	0.002323753	0.064444616	0.020368297	5.83241E-06	22.13930893	2.60695E-05	0.000425569	0.000276235
2066 Jul	144.7577057	0.125501186	0.17456913	0.004386631	27.85057259	0.042943109	45.7989769	0.001172131	0.000983741	5.46366E-06	0.007951955	0.002495407	0.074039295	0.020985315	6.35447E-06	23.9336319	2.90333E-05	0.000445878	0.000286641
2066 Aug	160.1919098	0.129017994	0.177896678	0.004488261	28.67617989	0.045352496	52.32762909	0.001225763	0.001038102	5.7395E-06	0.0084185	0.002609942	0.082262076	0.021889172	6.68008E-06	26.01607323	3.08572E-05	0.000455788	0.000304548
2066 Sep	167.6318817	0.128324747	0.167155936	0.0042527	27.69611931	0.045423374	56.33752823	0.001204633	0.001033613	5.67616E-06	0.008572134	0.002551922	0.086042248	0.021574179	6.60074E-06	26.88088799	3.12147E-05	0.000436535	0.0003048
2066 Oct	173.7978058	0.126398876	0.14903152	0.003839828	25.77729416	0.044381525	60.45211411	0.001145303	0.001000082	5.44315E-06	0.008646576	0.002415112	0.089077502	0.020667601	6.3264E-06	27.41752815	3.12648E-05	0.000400357	0.00029862

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Nov	175.0138092	0.12602134	0.14459683	0.003739678	25.31688309	0.044160455	61.30912781	0.001131299	0.000992229	5.38813E-06	0.008664569	0.002381539	0.089648515	0.020453796	6.26048E-06	27.52356148	3.12443E-05	0.000391686	0.000296865
2066 Dec	176.3019562	0.126264691	0.144879967	0.003744501	25.35142899	0.04419734	61.91766357	0.001131577	0.000992555	5.39021E-06	0.008684875	0.002387285	0.090388	0.020469338	6.26738E-06	27.66207886	3.13949E-05	0.000391931	0.000298048
2067 Jan	176.9060974	0.126357809	0.144986138	0.003745933	25.36540031	0.044202328	62.20315933	0.001131456	0.000992494	5.39001E-06	0.008692604	0.00238976	0.090729348	0.020479558	6.26933E-06	27.72930908	3.14623E-05	0.000392022	0.0002987
2067 Feb	177.0772247	0.126432672	0.145058021	0.003747581	25.3817749	0.044220515	62.26813126	0.001131969	0.000992969	5.39254E-06	0.008697499	0.002391373	0.090811327	0.020499341	6.27248E-06	27.7575264	3.14859E-05	0.000392279	0.000299087
2067 Mar	177.3259277	0.126612827	0.145253748	0.003752645	25.41900444	0.044281207	62.35176468	0.001133572	0.000994388	5.4002E-06	0.008709637	0.002394818	0.090932235	0.02053366	6.28131E-06	27.79996681	3.15297E-05	0.000392868	0.000299601
2067 Apr	177.8744659	0.127005965	0.145698503	0.003764139	25.49853706	0.044417374	62.54245377	0.001137086	0.000997477	5.41696E-06	0.008736536	0.002402276	0.091209725	0.020600339	6.30075E-06	27.88793945	3.16269E-05	0.000394105	0.000300581
2067 May	169.3484192	0.121656157	0.132829145	0.003483296	25.30860138	0.042123031	56.59972763	0.001136792	0.001011919	5.44402E-06	0.008608567	0.002364728	0.082345217	0.023386763	6.23251E-06	28.89031029	3.07846E-05	0.00040591	0.000345483
2067 Jun	136.1134338	0.11613597	0.142550915	0.003645797	26.05064774	0.038461052	40.5472908	0.00109492	0.000940997	5.14373E-06	0.007534613	0.00233393	0.063722439	0.023959657	5.88091E-06	25.50165367	2.69676E-05	0.000434211	0.00034267
2067 Jul	151.9619446	0.121078178	0.151014745	0.003876602	27.27867699	0.041255411	47.1101532	0.001174978	0.001014054	5.53278E-06	0.008184718	0.002492415	0.07268811	0.024795961	6.34235E-06	27.44259262	2.96832E-05	0.000453576	0.000357619
2067 Aug	162.5461884	0.116316743	0.144061878	0.003752671	26.52804375	0.042599991	52.56201935	0.001193114	0.001045029	5.65912E-06	0.008356068	0.002500269	0.078623936	0.024640378	6.47646E-06	28.55227661	3.0144E-05	0.000435602	0.000359207
2067 Sep	169.8233337	0.116059281	0.136748686	0.00359709	25.82180977	0.043058924	56.46843338	0.00118126	0.001045123	5.63191E-06	0.008504461	0.002464223	0.082758687	0.024209559	6.44681E-06	29.26211548	3.05072E-05	0.000420934	0.00035613
2067 Oct	162.6596527	0.11326766	0.114289992	0.003102804	23.18120766	0.04177992	54.86474609	0.001103967	0.000995185	5.30958E-06	0.008404333	0.00223201	0.078833394	0.022342674	6.0332E-06	27.94588661	2.89845E-05	0.00037291	0.000324378
2067 Nov	164.4429169	0.11344815	0.110525914	0.003019652	22.78290367	0.041710559	55.98662567	0.001092756	0.000989394	5.26783E-06	0.008455775	0.002204398	0.079826057	0.022090808	5.98483E-06	28.07589912	2.90988E-05	0.000365043	0.0003219
2067 Dec	165.7844543	0.11369171	0.110793911	0.00302438	22.81702232	0.041751694	56.62034607	0.001093164	0.000989839	5.27055E-06	0.008477793	0.002210544	0.080597878	0.022108316	5.99261E-06	28.22118378	2.92574E-05	0.000365329	0.000323135
2068 Jan	166.6845856	0.113817342	0.110954531	0.003026697	22.83619308	0.041758824	57.04889297	0.001093001	0.000989732	5.27027E-06	0.008489262	0.002214324	0.081113733	0.022120168	5.99568E-06	28.31901169	2.93589E-05	0.000365473	0.00032405
2068 Feb	166.8639984	0.11387834	0.111005805	0.003027795	22.84997368	0.041771043	57.11963272	0.00109337	0.000990088	5.27215E-06	0.008493447	0.002215781	0.081199825	0.022139471	5.99815E-06	28.34819984	2.93818E-05	0.000365694	0.000324459
2068 Mar	167.2896271	0.114172317	0.111282311	0.003035338	22.91018677	0.041875951	57.26108932	0.001096171	0.000992636	5.28568E-06	0.00851499	0.002221536	0.081399739	0.022202032	6.01346E-06	28.42427635	2.94562E-05	0.000366671	0.000325391
2068 Apr	169.0105438	0.115348794	0.112423338	0.003066461	23.14694977	0.042305812	57.84775162	0.001107455	0.001002859	5.3401E-06	0.008602518	0.002244448	0.082233049	0.022433847	6.07532E-06	28.71879578	2.9759E-05	0.000370468	0.000328797
2068 May	164.6569061	0.116614535	0.116248958	0.003134422	24.21337318	0.041487202	54.3406601	0.001117613	0.001005854	5.36948E-06	0.008463297	0.002303614	0.078001745	0.024329253	6.09314E-06	29.29644203	2.94407E-05	0.000395237	0.000358823
2068 Jun	137.6440735	0.121771947	0.163426906	0.004085365	27.12242889	0.040095966	42.86342239	0.001109511	0.000908308	5.08659E-06	0.007404259	0.002503302	0.069835559	0.022090657	5.95954E-06	24.0692482	2.73243E-05	0.000457534	0.000307969
2068 Jul	148.4792938	0.115044825	0.155097842	0.003956683	26.02417946	0.04083465	48.37900925	0.001149453	0.000962538	5.32507E-06	0.007860051	0.00250298	0.076097883	0.021672172	6.2034E-06	25.04059601	2.91099E-05	0.000442259	0.000305499
2068 Aug	164.0549164	0.119929358	0.160246938	0.004110048	27.18561745	0.043692641	54.65377426	0.001218841	0.001028835	5.67002E-06	0.008411291	0.002649321	0.084324986	0.022898296	6.6062E-06	27.2853756	3.11795E-05	0.000459848	0.000326689
2068 Sep	166.7184906	0.118279442	0.146101519	0.003811332	25.84747505	0.043736234	56.50321579	0.001191883	0.001023148	5.58976E-06	0.008510286	0.002544252	0.085256092	0.022355679	6.48206E-06	27.59970284	3.08581E-05	0.000434035	0.000319469
2068 Oct	173.0076752	0.119042732	0.140086591	0.003678928	25.29889107	0.043780688	59.80464554	0.001177038	0.001018753	5.54457E-06	0.008660265	0.00251355	0.088569269	0.022133619	6.43482E-06	28.27389908	3.14162E-05	0.000421907	0.000320632
2068 Nov	175.5280914	0.119713388	0.140430689	0.003687113	25.3794117	0.043961946	60.95059204	0.001180195	0.001022107	5.56191E-06	0.00872199	0.002526749	0.08996965	0.022208991	6.46085E-06	28.57609749	3.17365E-05	0.000422803	0.000323179
2068 Dec	175.99823	0.119839408	0.140535653	0.003689507	25.39833641	0.043996293	61.16259003	0.001180875	0.001022765	5.56546E-06	0.008733192	0.002529548	0.090232752	0.022224726	6.46616E-06	28.63247108	3.17973E-05	0.000423046	0.00032368
2069 Jan	176.7416992	0.119917966	0.140632913	0.003690677	25.40910721	0.043996416	61.52055359	0.001180605	0.001022569	5.56463E-06	0.00874205	0.002532429	0.090661481	0.022231597	6.46805E-06	28.71209335	3.18801E-05	0.000423107	0.000324409
2069 Feb	177.0460205	0.119970679	0.140692428	0.003691697	25.4197464	0.044002626	61.65886307	0.001180732	0.001022699	5.5654E-06	0.008746667	0.002534061	0.090828583	0.022243747	6.46994E-06	28.74981117	3.19157E-05	0.000423252	0.000324832
2069 Mar	177.1203461	0.119994983	0.140714765	0.003692188	25.4252758	0.044007875	61.68862915	0.00118089	0.001022846	5.56619E-06	0.008748421	0.002534674	0.090865269	0.022251157	6.47099E-06	28.76150703	3.19253E-05	0.000423343	0.000324992
2069 Apr	177.575943	0.120302096	0.141070247	0.003701507	25.49072075	0.044119224	61.84634018	0.001183897	0.001025456	5.58038E-06	0.008770699	0.002541175	0.091096468	0.022310136	6.48747E-06	28.83666801	3.20069E-05	0.000424436	0.000325863
2069 May	181.3097534	0.122577697	0.143014327	0.003756784	26.05046844	0.044874895	62.92677689	0.001209782	0.001049627	5.70644E-06	0.00896222	0.0025951	0.092582062	0.023087729	6.62595E-06	29.64561272	3.27049E-05	0.000434881	0.000338174
2069 Jun	133.8614807	0.106167443	0.134467319	0.003536949	24.00137138	0.038632881	41.64047623	0.001132463	0.000965658	5.27523E-06	0.007842613	0.002330722	0.06646356	0.02151012	6.03763E-06	23.86009598	2.80255E-05	0.000424531	0.00029584
2069 Jul	145.3906708	0.112791151	0.149440199	0.003889732	25.57372093	0.041259531	46.67808151	0.001197613	0.001009038	5.54742E-06	0.008258057	0.002510971	0.074366644	0.021779139	6.40904E-06	24.88067627	3.00851E-05	0.000450252	0.000299441
2069 Aug	154.8607635	0.111008085	0.144186735	0.003803003	25.28841209	0.04271872	51.07703781	0.00121922	0.001041274	5.68663E-06	0.008471454	0.002529063	0.079311408	0.022016268	6.55458E-06	26.13401985	3.05709E-05	0.000442528	0.000305499
2069 Sep	149.7691956	0.112434708	0.132741719	0.003538466	24.16714668	0.042678442	49.59975433	0.001162765	0.000998845	5.43714E-06	0.008262017	0.002400207	0.076325692	0.021148084	6.25344E-06	25.42410469	2.87734E-05	0.000415751	0.000288506
2069 Oct	142.3366089	0.12780714	0.141793013	0.003699022	25.46545792	0.044577878	46.35590363	0.001130279	0.000944373	5.20889E-06	0.008032116	0.002440396	0.073054776	0.021033848	6.05303E-06	24.50027847	2.70299E-05	0.000425291	0.000275939
2069 Nov	142.1814575	0.130003124	0.141952336	0.003705289	25.59506989	0.045050185	46.23071289	0.001132433	0.000945083	5.21446E-06	0.008075653	0.002447867	0.072960965	0.021100279	6.06035E-06	24.53429222	2.69713E-05	0.000426355	0.000275103
2069 Dec	142.955368	0.130098909	0.142010912	0.003706096	25.60399628	0.0450656	46.60150146	0.001132486	0.000945256	5.21538E-06	0.00808821	0.002450851	0.073406026	0.021107199	6.06398E-06	24.61791229	2.70615E-05	0.000426394	0.000275789
2070 Jan	143.0685577	0.130105853	0.14197962	0.003705278	25.60428047	0.045062263	46.65171814	0.001132409	0.000945263	5.21526E-06	0.008089724	0.002451119	0.073459961	0.021114795	6.06403E-06	24.63492775	2.70731E-05	0.000426393	0.000276015
2070 Feb	143.1132507	0.130110323	0.141964972	0.003704832	25.60732269	0.045057744	46.66591263	0.001132387	0.000945282	5.21527E-06	0.008089928	0.002451388	0.07347203	0.021125872	6.06403E-06	24.64647484	2.70768E-05	0.000426458	0.000276247
2070 Mar	143.2484894	0.130228728	0.142082602	0.003707899	25.63187981	0.045095976	46.70687485	0.001133404	0.00094615	5.22E-06	0.008097129	0.002453675	0.073534191	0.021150917	6.06946E-06	24.67312622	2.71013E-05	0.000426877	0.000276607
2070 Apr	144.0539398	0.130947605	0.142845333	0.00372779	25.77570915	0.045339547	46.96450043	0.001139629	0.000951385	5.24877E-06	0.008141567	0.002467339	0.073934369	0.021278594	6.10278E-06	24.81780434	2.72511E-05	0.00042929	0.000278342
2070 May	143.824646	0.130238414	0.142484754	0.003711767	26.46761131	0.044420023	45.3633461	0.001154732	0.000966845	5.32177E-06	0.008124507	0.002517624	0.071597233	0.023317322	6.15874E-06	25.9862442	2.74501E-05	0.00044885	0.000313766
2070 Jun	136.2112274	0.120722413	0.148935512	0.003801962	26.99776649	0.040202171	40.84527588	0.001150154	0.000943613	5.23238E-06	0.007635632	0.002586656	0.066621982	0.024922406	6.07861E-06	25.88248253	2.73835E-05	0.000482442	0.000347392
2070 Jul	144.8815765	0.118918419	0.146969765	0.003809079	26.86877823	0.041380752	44.61386108	0.001202344	0.001001187	5.51087E-06	0.00811774	0.002632979	0.071346425	0.025135694	6.37314E-06	26.90213013	2.92084E-05	0.000483827	0.000351791
2070 Aug	154.825531	0.117949411	0.144374475	0.00378833	26.85766411	0.043140154	49.07539749	0.001238237	0.001044022	5.71304E-06	0.008407117	0.002681307	0.076596491	0.025538066	6.59248E-06	28.21089363	3.00672E-05	0.000480625	0.000359792
2070 Sep	146.6535187	0.114824206	0.122686692	0.003320403	24.30988884	0.042495038	46.89505005	0.001165117	0.001002752	5.43022E-06	0.008265777	0.002429715	0.071945406	0.023520669	6.20757E-06	26.7130127	2.80537E-05	0.000428335	0.000323354
2070 Oct	142.7793884	0.123623699	0.130643636	0.003473169	24.90089035	0.04385712	45.96881866	0.001144049	0.000963436	5.27051E-06	0.008130024	0.002450533	0.0717059	0.022443071	6.08776E-06	25.57645035	2.7179E-05	0.000430266	0.000299125
2070 Nov	146.3915253	0.125732824	0.133971512	0.003540176	25.24044991	0.044237684	47.72886276	0.001146793	0.000961003	5.27111E-06	0.008173797	0.00248843	0.07414566	0.022441922	6.11628E-06	25.88860512	2.75903E-05	0.000434954	0.000300829
2070 Dec	147.1506042	0.125791013	0.134009495	0.003540365	25.24355507	0.044240221	48.09936523	0.001146538	0.000960884	5.27055E-06	0.008184085	0.002491005	0.074588247	0.022442808	6.1184E-06	25.96731949	2.76761E-05	0.000434912	0.000301457
2071 Jan	147.3067474	0.125802621	0.133996949	0.003539926	25.24462891	0.044238091	48.17186737	0.00114646	0.00096087	5.2704E-06	0.008186088	0.002491496	0.074671112	0.022448434	6.11867E-06	25.9872036	2.76929E-05	0.000434916	0.000301684
2071 Feb	147.3099365	0.125805825	0.133984625	0.003539605	25.24694252	0.044235472	48.16751862	0.001146468	0.000960904	5.27051E-06	0.008185966	0.002491601	0.074662395	0.02245675	6.11866E-06	25.99275208	2.76924E-05	0.000434967	0.00030183
2071 Mar	147.3408508	0.125832766	0.134004682	0.003540139	25.25326157	0.044242907	48.1746254	0.001146702	0.000961115	5.27162E-06	0.008187537	0.002492156	0.074672379	0.022465793	6.11988E-06	26.0009594	2.76977E-05	0.000435082	0.000301971
2071 Apr	147.6947784	0.126135334	0.134321973	0.003548523	25.31450653	0.044348128	48.28863525	0.001149453	0.000963429	5.28429E-06	0.008207119	0.002498161	0.07484851	0.022522232	6.13454E-06	26.06498718	2.77639E-05	0.000436141	0.00030274
2071 May	144.4023743	0.12414553	0.133443296	0.003506306	25.97694206	0.042580802	45.15269852	0.001151244	0.000965634	5.28857E-06	0.008036189	0.002531982	0.070427611	0.024768008	6.10895E-06	27.04637146	2.7513E-05	0.000456853	0.000342354
2071 Jun	134.8147278	0.119720154	0.152110428	0.003869148	26.83577347	0.040298715	41.39219666	0.001157159	0.000925046	5.16366E-06	0.007544254	0.002652247	0.068302527	0.024114419	6.07488E-06	25.17386436	2.73555E-05	0.000492651	0.000330667
2071 Jul	140.2793274	0.119860411	0.156341657	0.004008448	26.9475975	0.041956753	44.25465775	0.001210818	0.000969958	5.40555E-06	0.007947995	0.002720737	0.072861731	0.02348225	6.3636E-06	25.23819733	2.8899E-05	0.000498326	0.000317008
2071 Aug	148.5355225	0.122077167	0.157185048	0.004065131	27.51815224	0.044051982	47.40717316	0.001259774	0.001019649	5.65523E-06	0.008304487	0.002799205	0.07699681	0.024289519	6.63563E-06	26.57239151	2.9889E-05	0.000507514	0.000328325
2071 Sep	143.90271	0.11453937	0.132951334	0.003548777	24.86278915	0.043212608	46.42966461	0.001195151	0.000996542	5.44947E-06	0.00814997	0.002545639	0.073485464	0.022789033	6.31365E-06	25.79617691	2.79524E-05	0.000454027	0.000304098
2071 Oct	141.062149	0.114932321	0.123944513	0.003349586	23.89971352	0.042910893	45.71150589	0.001159513	0.00097511	5.31059E-06	0.008116383	0.002441339	0.07157778	0.022103831	6.13112E-06	25.31745338	2.72427E-05	0.000431751	0.000292395
2071 Nov	139.8065643	0.11752174	0.122270957	0.003315287	23.81896782	0.04337376	45.2649765	0.001152667	0.000969818	5.27923E-06	0.008149111	0.002421698	0.070831947	0.021940973	6.09129E-06	25.1502037	2.6978E-05	0.000426999	0.000287264
2071 Dec	140.2813721	0.117711268	0.122145049	0.003312517	23.81339455	0.043408025	45.50272369	0.001152244	0.000969681	5.2781E-06	0.008160458	0.002422177	0.071099974	0.021934934	6.0913E-06	25.20009422	2.70265E-05	0.000426646	0.000287436
2072 Jan	140.2875366	0.117726214	0.122110084	0.003311808	23.81552505	0.043409392	45.49724197	0.001152312	0.000969818	5.27863E-06	0.008161358	0.002422209	0.071087539	0.021945765	6.09159E-06	25.20802498	2.70267E-05	0.000426683	0.000287608
2072 Feb	140.3094635	0.117751777	0.12212833	0.00331212	23.82400894	0.043409955	45.49631882	0.001152435	0.000969919	5.27917E-06	0.008161599	0.002422816	0.071084581	0.021961497	6.09216E-06	25.21931076	2.70288E-05	0.000426845	0.000287878
2072 Mar	140.3442535	0.11778266	0.122148983	0.003312659	23.83177948	0.043417476	45.50291824	0.001152698	0.000970158	5.28042E-06	0.008163266	0.002423479	0.071093395	0.02197377	6.09351E-06	25.2298317	2.70344E-05	0.000426991	0.000288073
2072 Apr	140.9342804	0.118278451	0.122655705	0.003326403	23.9329052	0.043598235	45.69155502	0.001157534	0.000974241	5.30261E-06	0.008197423	0.002433692	0.071387187	0.022069998	6.11905E-06	25.33833694	2.71475E-05	0.000428806	0.000289353
2072 May	144.0022278	0.120837346	0.125292912	0.003398016	24.45288658	0.044539001	46.68203354	0.001182651	0.000995433	5.41782E-06	0.008375433	0.00248651	0.072930373	0.022556795	6.25182E-06	25.89430809	2.77381E-05	0.000438142	0.000295785
2072 Jun	125.5300674	0.106584638	0.128648251	0.00345376	23.27150154	0.040236991	39.3040123	0.001165848	0.000963242	5.2737E-06	0.007922502	0.002404876	0.064780995	0.020727683	6.0911E-06	22.67311478	2.72686E-05	0.000438906	0.000264946
2072 Jul	128.3744049	0.101301946	0.126761436	0.003439734	22.84627724	0.040714879	40.92850494	0.001189076	0.000989381	5.3974E-06	0.007988638	0.00241979	0.066661127	0.020554507	6.22075E-06	22.82191277	2.75591E-05	0.000432009	0.000262725
2072 Aug	129.4050293	0.103212819	0.124952756	0.00340205	23.1388855	0.043226387	41.51256943	0.001182745	0.000983768	5.36425E-06	0.007724931	0.002424974	0.067444056	0.020605113	6.18837E-06	23.16559982	2.53673E-05	0.000428499	0.000256952
2072 Sep	131.2462463	0.110014029	0.127926856	0.003451872	23.79322243	0.044704899	42.45564651	0.001172426	0.000964992	5.28373E-06	0.007651257	0.002462024	0.068884306	0.020710891	6.13557E-06	23.46669197	2.46454E-05	0.000434253	0.000255525
2072 Oct	137.3598175	0.124874629	0.141625702	0.003711641	25.42436981	0.045660712	45.42724609	0.001168841	0.000931158	5.17012E-06	0.007813077	0.002608649	0.0734419	0.021141998	6.12195E-06	24.08058929	2.59597E-05	0.000459326	0.000263953
2072 Nov	141.3802032	0.126818359	0.143233895	0.003742049	25.62798882	0.045853905	47.36279678	0.00116969	0.000928961	5.16564E-06	0.007889481	0.002639133	0.075893648	0.02122434	6.14072E-06	24.51448059	2.64997E-05	0.000462496	0.000267764
2072 Dec	142.8222351	0.126880318	0.143282264	0.00374192	25.62935638	0.045845788	48.06956863	0.001169044	0.000928581	5.16387E-06	0.007907501	0.002643965	0.076737776	0.021225268	6.14406E-06	24.66337395	2.66626E-05	0.000462411	0.000268995
2073 Jan	143.144928	0.126896784	0.143273562	0.00374145	25.63085938	0.045842092	48.22258377	0.001168904	0.000928543	5.16362E-06	0.007911621	0.00264504	0.076916635	0.021232331	6.14479E-06	24.70120239	2.66985E-05	0.000462416	0.000269388
2073 Feb	143.1650391	0.126913175	0.143273324	0.003741451	25.63598251	0.045843694	48.22335815	0.001169029	0.00092868	5.16429E-06	0.007912356	0.002645408	0.076915339	0.021243853	6.14542E-06	24.71017456	2.6701E-05	0.000462516	0.000269583
2073 Mar	143.2432556	0.126982629	0.143341482	0.003743237	25.6510067	0.045866456	48.24626923	0.001169656	0.000929199	5.16711E-06	0.007916521	0.002646868	0.076950707	0.021260273	6.14869E-06	24.72674942	2.6715E-05	0.000462791	0.000269817
2073 Apr	144.6098175	0.128175288	0.14468272	0.003778236	25.89241982	0.046295404	48.708004	0.001180616	0.000937917	5.21557E-06	0.007990977	0.002671799	0.077682197	0.021462586	6.20639E-06	24.96285057	2.69679E-05	0.000467147	0.000272418
2073 May	149.4567261	0.125581041	0.141648248	0.003682686	26.53266144	0.043917313	49.06067657	0.001181591	0.000945959	5.23877E-06	0.007964945	0.002727296	0.077019595	0.024346093	6.20973E-06	27.18929863	2.78574E-05	0.00048904	0.000330888
2073 Jun	138.5979156	0.118512779	0.147405759	0.00377233	26.72925568	0.040509321	43.66545486	0.001182321	0.000923257	5.1529E-06	0.007591605	0.002775594	0.071250044	0.025030043	6.13366E-06	26.22586441	2.76835E-05	0.00051535	0.000343222
2073 Jul	146.7276459	0.121523753	0.155537069	0.003991434	27.42741394	0.043170217	47.69916916	0.001242446	0.000966219	5.40225E-06	0.007949246	0.002905467	0.077534594	0.024770824	6.45893E-06	26.71061516	2.90196E-05	0.000527983	0.000334895
2073 Aug	154.4052582	0.120284311	0.152342349	0.003961038	27.37491798	0.044797398	50.99459076	0.001277328	0.001009391	5.6052E-06	0.008217219	0.002939966	0.08134672	0.025197759	6.66682E-06	27.80846786	2.96745E-05	0.000524493	0.000341962
2073 Sep	155.166214	0.115869358	0.136504203	0.00362578	25.62849045	0.044274468	52.1035347	0.001233993	0.00099767	5.48696E-06	0.008213846	0.002773642	0.081125952	0.024150392	6.47754E-06	27.65355682	2.89698E-05	0.000487324	0.00032828

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Oct	149.3519135	0.11584089	0.122128531	0.003306599	23.89308167	0.043517418	50.5545311	0.001169138	0.000958109	5.23859E-06	0.008136339	0.002577779	0.077675305	0.022582078	6.15146E-06	26.48183441	2.77692E-05	0.000447289	0.000302091
2073 Nov	151.2728729	0.118361466	0.124954924	0.003361359	24.15446854	0.043866482	51.66453934	0.001167417	0.000949936	5.2104E-06	0.008153789	0.002606009	0.079306006	0.022435466	6.14816E-06	26.54999542	2.7977E-05	0.000450891	0.000300131
2073 Dec	152.8750305	0.118479013	0.125061944	0.00336299	24.16763687	0.043882519	52.43943024	0.001167411	0.000950054	5.21148E-06	0.00817726	0.002612714	0.080243915	0.022448294	6.15527E-06	26.72110367	2.81644E-05	0.000451082	0.000301579
2074 Jan	153.9872284	0.118509151	0.125096187	0.003362794	24.16960716	0.043869391	52.98291016	0.001166853	0.000949667	5.20973E-06	0.008189932	0.00261669	0.080893077	0.022454191	6.15754E-06	26.83878326	2.82889E-05	0.000451092	0.000302637
2074 Feb	154.4207611	0.118524142	0.125109658	0.003362661	24.17316055	0.043862052	53.18974686	0.001166652	0.000949538	5.20915E-06	0.008194599	0.002618389	0.081138164	0.022463469	6.15846E-06	26.88879585	2.83368E-05	0.000451154	0.000303171
2074 Mar	154.5486603	0.118618324	0.12519981	0.003365077	24.19333649	0.043894242	53.23133469	0.001167552	0.00095029	5.21323E-06	0.008200928	0.002620491	0.081199251	0.022485912	6.16321E-06	26.91362953	2.83592E-05	0.000451532	0.000303501
2074 Apr	155.7460785	0.119538374	0.12616542	0.003391032	24.38156128	0.044233263	53.64168167	0.001176596	0.000957662	5.25364E-06	0.00826439	0.002640815	0.081824556	0.022662982	6.21094E-06	27.12394524	2.85786E-05	0.000455046	0.000305903
2074 May	155.8491364	0.120323993	0.131077424	0.003458859	25.84023666	0.042479917	51.68463516	0.001188132	0.000957655	5.27094E-06	0.008109701	0.002755702	0.079337299	0.025611307	6.23419E-06	28.74895287	2.88926E-05	0.000492675	0.000359352
2074 Jun	142.6879425	0.120684221	0.154402077	0.003907806	27.22859764	0.04099169	46.46318817	0.00119947	0.000900743	5.09807E-06	0.007535934	0.002942167	0.076340899	0.0249236	6.17744E-06	26.41019249	2.81513E-05	0.000541031	0.000340803
2074 Jul	152.1921692	0.122746013	0.15863058	0.004056705	27.84627342	0.043298606	50.45817184	0.001273157	0.000965926	5.44221E-06	0.008082325	0.003063365	0.08217901	0.025355466	6.57378E-06	27.52340889	3.0161E-05	0.000556282	0.000345009
2074 Aug	169.9189911	0.128585339	0.165194497	0.004241694	29.21281624	0.04610287	57.73398209	0.001347641	0.00103011	5.78883E-06	0.008681378	0.003252389	0.091930196	0.026805764	7.00307E-06	30.084095	3.26938E-05	0.000582566	0.000371062
2074 Sep	176.0302887	0.121591322	0.141082913	0.003719605	26.42002869	0.04472845	62.00039291	0.00126545	0.001000623	5.5479E-06	0.008687944	0.002994115	0.094390497	0.025066057	6.66835E-06	30.25105286	3.22247E-05	0.000520727	0.000354762
2074 Oct	182.7518921	0.11836496	0.122601882	0.003315746	24.28258514	0.043579575	66.32670593	0.001197155	0.000972711	5.33756E-06	0.00878506	0.002800349	0.097429797	0.023698188	6.39465E-06	30.55676842	3.23732E-05	0.000472217	0.000343655
2074 Nov	202.5725555	0.11827331	0.121341027	0.003273869	24.03933716	0.043242771	76.24138641	0.001180087	0.000961872	5.2812E-06	0.009008277	0.002849281	0.10912621	0.023528703	6.40448E-06	32.52959442	3.45359E-05	0.000466945	0.000358555
2074 Dec	206.331604	0.118348874	0.12146543	0.003274121	24.03931427	0.043213904	78.09372711	0.001178511	0.00096071	5.27638E-06	0.009052961	0.002863169	0.111354724	0.023530813	6.41385E-06	32.915802	3.49618E-05	0.000466976	0.000361772
2075 Jan	207.0149231	0.118364707	0.121468574	0.003273708	24.04015923	0.043206286	78.42598724	0.001178196	0.000960518	5.27551E-06	0.009061005	0.002865633	0.111750357	0.023537176	6.41539E-06	32.99001312	3.50382E-05	0.000466993	0.000362463
2075 Feb	207.3469086	0.118395768	0.12149334	0.003274091	24.04752159	0.043208621	78.57879639	0.001178287	0.000960625	5.27616E-06	0.009065813	0.002867358	0.111933872	0.023550583	6.41723E-06	33.03173447	3.5077E-05	0.000467139	0.000362939
2075 Mar	207.7342377	0.118566483	0.121662609	0.003278561	24.08293533	0.043266997	78.7328949	0.001179905	0.000961962	5.2835E-06	0.009079549	0.002871801	0.112141728	0.02358868	6.42647E-06	33.09106445	3.51366E-05	0.000467828	0.000363617
2075 Apr	209.3769684	0.119388916	0.122507878	0.003301137	24.2500267	0.043562483	79.37744904	0.001187951	0.000968533	5.31967E-06	0.009144492	0.002892429	0.113036357	0.023754258	6.47128E-06	33.34252548	3.54024E-05	0.000471077	0.000366355
2075 May	223.2446899	0.118292406	0.119005963	0.003213907	24.40571976	0.04260559	85.10877991	0.001185637	0.000977835	5.34988E-06	0.0093337	0.002937371	0.119136907	0.025154883	6.51829E-06	35.66472626	3.70994E-05	0.000476696	0.000403589
2075 Jun	152.1647644	0.106873497	0.132181793	0.003494056	23.7085495	0.039881989	53.23152924	0.001189492	0.000927741	5.1661E-06	0.008082381	0.002753941	0.083450258	0.021778438	6.20109E-06	25.91565132	3.03364E-05	0.00048688	0.000299264
2075 Jul	142.5797272	0.108252272	0.142665491	0.003753779	24.61594772	0.041591462	48.55171967	0.001251813	0.000960075	5.37639E-06	0.008109191	0.002860766	0.079632185	0.021759419	6.44199E-06	24.63858223	2.98906E-05	0.000510941	0.000283269
2075 Aug	148.695755	0.106270328	0.137826949	0.003683342	24.36851692	0.0429147	51.18695068	0.001274887	0.000995471	5.53322E-06	0.008301856	0.002863985	0.082428277	0.022049349	6.58999E-06	25.54263687	3.01768E-05	0.000503002	0.000288279
2075 Sep	155.651062	0.106571436	0.132923394	0.003589499	24.04641533	0.043419786	54.44934845	0.001273155	0.001006088	5.56672E-06	0.008483125	0.002846465	0.085869744	0.022074707	6.61996E-06	26.40905952	3.07492E-05	0.000494007	0.000292579
2075 Oct	155.1980133	0.106066957	0.121585891	0.00334559	22.92739677	0.043008555	54.59288025	0.001235185	0.000993319	5.45681E-06	0.008514346	0.002714816	0.084636457	0.021512534	6.45042E-06	26.3032093	3.02708E-05	0.000466031	0.000285519
2075 Nov	158.8272705	0.106434658	0.120077439	0.003314033	22.81137276	0.043073528	56.36248398	0.001231733	0.000993872	5.4539E-06	0.008589685	0.002712874	0.086581998	0.02149768	6.45223E-06	26.70703506	3.0653E-05	0.000462784	0.000288049
2075 Dec	160.0225372	0.106509283	0.120037496	0.003312901	22.81050301	0.043083966	56.94301987	0.001231499	0.000993937	5.45423E-06	0.008608104	0.002716928	0.087273583	0.021504756	6.45658E-06	26.83576012	3.07902E-05	0.000462722	0.000289096
2076 Jan	160.2083435	0.106528044	0.120012447	0.003312267	22.81257629	0.04308337	57.02658844	0.001231451	0.000993987	5.45437E-06	0.008610911	0.002717556	0.087368198	0.02151466	6.45716E-06	26.86147308	3.08103E-05	0.000462746	0.00028941
2076 Feb	160.284668	0.106586158	0.120053671	0.003313405	22.82707977	0.043099996	57.04488373	0.001232025	0.000994496	5.45705E-06	0.008614684	0.002718934	0.087393582	0.021536926	6.46011E-06	26.88180923	3.08234E-05	0.000463031	0.000289759
2076 Mar	160.5006561	0.106733777	0.120206773	0.00331763	22.8598156	0.043155957	57.11692429	0.001233678	0.000995856	5.46445E-06	0.008626114	0.002722643	0.087502517	0.021572482	6.46875E-06	26.92213058	3.08641E-05	0.00046369	0.000290264
2076 Apr	161.1444702	0.107164152	0.120684117	0.003330804	22.95261574	0.043327883	57.34334564	0.001238622	0.000999861	5.48639E-06	0.008660616	0.00273359	0.087848581	0.021662662	6.49465E-06	27.03241158	3.09874E-05	0.00046557	0.000291492
2076 May	155.2959442	0.105113417	0.113314927	0.003156519	23.19447899	0.041548152	52.64585114	0.001231023	0.001010687	5.50264E-06	0.00854606	0.002686517	0.080599643	0.024046944	6.42447E-06	27.99147606	3.03181E-05	0.000472539	0.000331959
2076 Jun	139.2210846	0.111218728	0.138660625	0.00359634	25.52374649	0.039616685	45.31199265	0.001209497	0.000916599	5.14874E-06	0.007674954	0.002892516	0.074360065	0.02473201	6.176E-06	26.19444466	2.84194E-05	0.000532166	0.000336666
2076 Jul	147.2541656	0.114922673	0.148870736	0.003861085	26.34289551	0.042315591	49.45111847	0.001277907	0.000958627	5.40752E-06	0.008074596	0.003054671	0.081287988	0.024338845	6.53061E-06	26.54364395	3.00562E-05	0.000552095	0.000324991
2076 Aug	156.9922028	0.116442382	0.148756951	0.003902419	26.81320953	0.044465199	53.34464645	0.001328267	0.001011399	5.67056E-06	0.008457622	0.003135243	0.086254947	0.025151262	6.81829E-06	28.04346657	3.11863E-05	0.000559819	0.000337411
2076 Sep	165.0422668	0.116398282	0.142941788	0.003789446	26.34946632	0.044888027	57.22463608	0.001322692	0.001020975	5.69493E-06	0.008657539	0.003107016	0.090326987	0.025045553	6.83819E-06	28.96301079	3.18805E-05	0.000547493	0.000340892
2076 Oct	158.4603729	0.112350643	0.121309958	0.003318376	23.86280251	0.043390617	55.15574646	0.001238062	0.000985564	5.42777E-06	0.0085359	0.002808546	0.085133843	0.023388328	6.4385E-06	27.80530548	3.02725E-05	0.00048771	0.000316377
2076 Nov	161.6564636	0.111919396	0.11740648	0.003232263	23.42070389	0.043164421	56.92115784	0.001222048	0.000979126	5.38007E-06	0.008579419	0.002771029	0.086765192	0.023108829	6.38272E-06	28.06130981	3.04862E-05	0.000476955	0.000315665
2076 Dec	163.703598	0.111985773	0.117457189	0.003232493	23.42373085	0.043163206	57.92308044	0.001221562	0.000978861	5.3793E-06	0.008606506	0.002778974	0.08797279	0.023117185	6.38963E-06	28.27619934	3.07216E-05	0.000477059	0.000317468
2077 Jan	164.0761871	0.111994959	0.117440864	0.0032319	23.42389297	0.043158278	58.10211563	0.001221369	0.000978776	5.37885E-06	0.008610994	0.00278022	0.088183276	0.023123408	6.39038E-06	28.31869507	3.07627E-05	0.00047706	0.000317893
2077 Feb	164.1020355	0.112017035	0.11744754	0.003232082	23.43015862	0.043162011	58.10478973	0.001221549	0.000978956	5.37975E-06	0.00861209	0.002780707	0.088185221	0.023135766	6.39129E-06	28.32862091	3.07664E-05	0.00047718	0.000318097
2077 Mar	164.1854553	0.1120748	0.117499158	0.0032335	23.44313622	0.043181624	58.1311264	0.001222144	0.000979453	5.38243E-06	0.008616228	0.002782117	0.088223659	0.023151953	6.3944E-06	28.34584045	3.07813E-05	0.00047744	0.00031834
2077 Apr	164.9863129	0.112623081	0.118068807	0.003249177	23.55833817	0.043391384	58.41260529	0.001228105	0.000984241	5.40872E-06	0.008658187	0.002795707	0.088650241	0.023267658	6.42557E-06	28.48583984	3.09311E-05	0.000479784	0.000319941
2077 May	162.31987	0.112883784	0.118340284	0.003239509	24.22578049	0.042528845	55.88756943	0.001233279	0.000989314	5.43106E-06	0.008569423	0.002824592	0.085162483	0.024965979	6.42473E-06	29.20589066	3.07106E-05	0.000495612	0.000348262
2077 Jun	141.746933	0.10735698	0.132418975	0.003475037	24.83640671	0.038983021	46.78447723	0.001217866	0.000926721	5.18376E-06	0.007828596	0.002889359	0.075835593	0.024696928	6.21116E-06	26.54034615	2.91984E-05	0.000530563	0.000338467
2077 Jul	147.983902	0.105053999	0.129198655	0.00346705	24.63992882	0.039944813	49.11034393	0.001275967	0.000994131	5.50669E-06	0.0083742	0.002915211	0.078769088	0.025022922	6.5306E-06	27.39580917	3.11145E-05	0.000532628	0.00034306
2077 Aug	157.6701813	0.10740903	0.130059987	0.003529764	25.26422691	0.042195439	52.87831497	0.00133022	0.00104834	5.78118E-06	0.008777944	0.003008333	0.083728828	0.025940001	6.83434E-06	28.93920517	3.23216E-05	0.000544025	0.000356529
2077 Sep	145.7735901	0.1012704	0.105231725	0.002981857	22.23611259	0.041226465	49.00844955	0.001215142	0.000989758	5.3854E-06	0.008311967	0.002627127	0.076135576	0.023304434	6.27585E-06	26.79709244	2.86528E-05	0.000466443	0.00031188
2077 Oct	152.3768921	0.106935218	0.106882639	0.003006026	22.44134331	0.042051919	52.65228653	0.001201293	0.000970481	5.30078E-06	0.008405054	0.002662127	0.08062809	0.02299385	6.23282E-06	27.29422188	2.91547E-05	0.000465048	0.000309763
2077 Nov	156.4106598	0.107350826	0.107058138	0.003010225	22.48390198	0.042158779	54.58334732	0.001202785	0.000972151	5.31063E-06	0.008475792	0.002680958	0.082979023	0.023051381	6.25796E-06	27.74134064	2.96403E-05	0.000465905	0.000313516
2077 Dec	157.319519	0.107418023	0.107089117	0.003010888	22.49084663	0.042175021	55.02042007	0.001202996	0.000972427	5.3123E-06	0.008490704	0.002685002	0.083509587	0.023062477	6.26305E-06	27.84101486	2.97489E-05	0.000466063	0.000314363
2078 Jan	157.566803	0.107443765	0.107091196	0.00301092	22.49499893	0.042179268	55.1343689	0.001203087	0.000972559	5.313E-06	0.008494893	0.002686178	0.083645597	0.023071792	6.26457E-06	27.87204933	2.9778E-05	0.000466144	0.000314696
2078 Feb	157.6070709	0.107468493	0.107102655	0.00301123	22.5015831	0.042184547	55.14432907	0.0012033	0.000972761	5.31404E-06	0.008496387	0.002686775	0.083657354	0.023083728	6.2657E-06	27.88311195	2.97839E-05	0.000466273	0.000314898
2078 Mar	157.6656036	0.10751088	0.107137583	0.00301221	22.51123619	0.042198848	55.16172409	0.001203743	0.000973135	5.31604E-06	0.008499422	0.002687802	0.08368282	0.02309645	6.26799E-06	27.89605141	2.97944E-05	0.000466468	0.000315088
2078 Apr	159.0915833	0.10847611	0.108095549	0.003039133	22.71376419	0.042576205	55.66065216	0.001214525	0.000981862	5.36369E-06	0.008575687	0.002711961	0.084437244	0.023305885	6.32418E-06	28.14889908	3.00626E-05	0.000470663	0.000317965
2078 May	156.336853	0.111495256	0.117617846	0.003179813	24.87958336	0.040545441	51.99223709	0.001223515	0.000966238	5.32065E-06	0.00823307	0.002881094	0.080069803	0.027052166	6.30196E-06	29.84869766	2.98453E-05	0.000522594	0.000383203
2078 Jun	150.3884888	0.118044123	0.146245256	0.003744031	27.20759583	0.040884931	50.03313446	0.001264944	0.000920411	5.22838E-06	0.007843774	0.003200231	0.081656538	0.027093627	6.39173E-06	28.59695435	2.98048E-05	0.000588986	0.000374684
2078 Jul	160.2211304	0.120251335	0.149090365	0.003861045	27.94579697	0.043221027	53.83469391	0.001337854	0.000987664	5.57731E-06	0.008361131	0.003326296	0.086944334	0.028079016	6.78318E-06	30.11013716	3.16047E-05	0.000605485	0.000388348
2078 Aug	165.2067413	0.113888621	0.138874456	0.003677784	26.82748413	0.044039853	56.47208786	0.001338902	0.00101604	5.67544E-06	0.008444817	0.003245287	0.089029558	0.02764201	6.84014E-06	30.54307747	3.13588E-05	0.000576582	0.000383816
2078 Sep	176.5153046	0.111376651	0.130308047	0.00350649	25.94369316	0.044317458	62.19253922	0.001321098	0.001021913	5.67015E-06	0.008613837	0.003185083	0.095090687	0.027129253	6.82727E-06	31.63470268	3.20432E-05	0.000554941	0.000384452
2078 Oct	185.2814026	0.10984996	0.119832546	0.003274855	24.63515091	0.043518022	67.16891479	0.001272399	0.001000846	5.52277E-06	0.008725897	0.003070094	0.099745929	0.026122402	6.65768E-06	32.18497086	3.26967E-05	0.000523007	0.000379468
2078 Nov	188.0582733	0.109838024	0.117683522	0.003229201	24.39507484	0.043461278	68.62492371	0.001264486	0.000998728	5.50374E-06	0.008780961	0.003052205	0.101236731	0.025956498	6.63726E-06	32.42411804	3.29651E-05	0.000516909	0.000379445
2078 Dec	188.9881439	0.109874539	0.117675103	0.003228875	24.39477921	0.043466158	69.07867432	0.001264363	0.000998753	5.50404E-06	0.008794719	0.003055715	0.101782583	0.025961045	6.64093E-06	32.52279663	3.30737E-05	0.000516934	0.000380252
2079 Jan	189.9864197	0.109862417	0.117647156	0.003227623	24.38854599	0.043446951	69.57220459	0.00126368	0.00099828	5.50179E-06	0.008805514	0.003058922	0.102369808	0.025961921	6.64225E-06	32.62655258	3.31847E-05	0.000516861	0.000381157
2079 Feb	190.191452	0.109863386	0.117636345	0.003227193	24.38954353	0.043440476	69.66860962	0.001263533	0.000998198	5.50136E-06	0.008807471	0.003059648	0.102481656	0.025968786	6.64245E-06	32.65196609	3.32067E-05	0.000516887	0.000381462
2079 Mar	190.467392	0.109961137	0.117734477	0.003229815	24.41168213	0.04347543	69.78077698	0.001264572	0.000999038	5.5066E-06	0.008816284	0.003062735	0.102630854	0.025995515	6.64843E-06	32.69429016	3.32476E-05	0.000517358	0.000381962
2079 Apr	191.5072021	0.110520668	0.118329979	0.003246106	24.53612709	0.043694437	70.16928864	0.001270954	0.00100409	5.53386E-06	0.008861816	0.003078565	0.103191979	0.026129864	6.68232E-06	32.86923218	3.34244E-05	0.000519998	0.000384006
2079 May	193.8613892	0.112024508	0.119080156	0.003273044	24.96664429	0.044170525	70.63459015	0.001291702	0.001024028	5.63523E-06	0.009005384	0.003119808	0.103808068	0.026909312	6.78825E-06	33.55889151	3.39147E-05	0.000529144	0.000396225
2079 Jun	142.9291382	0.101901613	0.1258021	0.003354187	23.75924301	0.038942888	48.56999207	0.001236566	0.000931244	5.20619E-06	0.007937564	0.002923501	0.078461632	0.023895182	6.265E-06	26.28638268	2.96319E-05	0.000530649	0.000323074
2079 Jul	144.6204681	0.10071338	0.129608721	0.003472682	23.7084465	0.040212337	49.98706055	0.001278994	0.000959268	5.36891E-06	0.00815533	0.002988824	0.081294596	0.023117946	6.47215E-06	25.86510086	3.04483E-05	0.000535768	0.000305601
2079 Aug	155.3174591	0.100320049	0.127620146	0.003473392	23.8576107	0.042108219	54.57551575	0.001320675	0.001008298	5.6061E-06	0.008495819	0.003049652	0.086785369	0.023741487	6.72897E-06	27.36100769	3.15215E-05	0.000535778	0.000317305
2079 Sep	152.0744629	0.097712137	0.107709885	0.003048202	21.79399109	0.041502699	53.62903595	0.001246239	0.000986522	5.40933E-06	0.008424314	0.002771185	0.083090812	0.022437517	6.40441E-06	26.7611618	2.99475E-05	0.000479141	0.000298644
2079 Oct	154.9094849	0.10514164	0.110740431	0.003093138	22.3450489	0.042361479	55.20634079	0.001231744	0.00096129	5.30082E-06	0.008428346	0.002816092	0.085200958	0.022495361	6.33139E-06	27.08747101	2.9897E-05	0.00048502	0.000299187
2079 Nov	154.9601135	0.109556146	0.114293419	0.003161867	22.87229347	0.043053608	55.22896957	0.001234882	0.000953069	5.27732E-06	0.008430053	0.00286365	0.085633002	0.022675322	6.33277E-06	27.15426064	2.98024E-05	0.000494189	0.00029947
2079 Dec	154.612381	0.111996323	0.115449436	0.003183268	23.08475876	0.043430869	55.07491302	0.001234368	0.000948253	5.25946E-06	0.008433215	0.002878646	0.085574582	0.022729497	6.32271E-06	27.14515114	2.96815E-05	0.000497106	0.000298677
2080 Jan	154.785553	0.112037994	0.115481712	0.003183716	23.09450722	0.043430775	55.1496048	0.001234386	0.000948211	5.2594E-06	0.008434846	0.002880003	0.085664205	0.022745712	6.32338E-06	27.17210388	2.96995E-05	0.000497307	0.00029908
2080 Feb	154.8475647	0.112077974	0.115516961	0.003184339	23.10761261	0.043432347	55.16330338	0.001234597	0.000948355	5.26024E-06	0.008435603	0.002881159	0.085679844	0.022768859	6.32444E-06	27.19159889	2.97062E-05	0.000497575	0.000299495
2080 Mar	154.8687439	0.112096049	0.115518108	0.00318436	23.11330032	0.043433797	55.16376114	0.001234721	0.000948495	5.26091E-06	0.008436306	0.002881545	0.08567784	0.022781387	6.32507E-06	27.20125961	2.97087E-05	0.000497681	0.000299708
2080 Apr	155.412384	0.112492181	0.115916125	0.003195331	23.19605827	0.043584257	55.35320663	0.001239045	0.000951843	5.27942E-06	0.008465754	0.002891674	0.085970797	0.022866854	6.3472E-06	27.3001976	2.98122E-05	0.000499454	0.000300858
2080 May	158.8862915	0.114863954	0.118199572	0.003259498	23.70671463	0.044482101	56.53953171	0.001265921	0.000973271	5.39653E-06	0.008652157	0.002953606	0.087767564	0.023438748	6.4855E-06	27.95237923	3.04755E-05	0.000510442	0.000308874
2080 Jun	140.171814	0.102721073	0.122540474	0.003328249	22.92923164	0.040656202	48.56864166	0.001261025	0.000947289	5.28773E-06	0.008208947	0.002908384	0.079164557	0.022213446	6.36065E-06	25.08091164	2.97717E-05	0.000520392	0.000285092
2080 Jul	137.4961243	0.097177707	0.123398378	0.003364467	22.65808678	0.040749967	47.63605499	0.001283599	0.000963656	5.37561E-06	0.008133601	0.00292993	0.078395754	0.021949045	6.45482E-06	24.54454994	2.95192E-05	0.000520165	0.000277904
2080 Aug	139.283844	0.092320807	0.114494085	0.003208993	21.86780167	0.041817784	48.37823486	0.001289051	0.00099482	5.49082E-06	0.008176311	0.002852418	0.078268141	0.021862313	6.5175E-06	24.85446167	2.88342E-05	0.000496049	0.000275686

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Sep	140.3823853	0.093035042	0.106436588	0.003033007	21.26303101	0.042322662	49.0632019	0.001254317	0.000981722	5.3904E-06	0.008101197	0.002749416	0.078137912	0.021446096	6.37284E-06	25.00408173	2.77842E-05	0.000474671	0.000269641
2080 Oct	150.2264252	0.10412737	0.113998942	0.003169315	22.41844559	0.043451928	53.85560226	0.001252447	0.00095625	5.30286E-06	0.008267178	0.002885886	0.084666587	0.021941479	6.37568E-06	26.21643829	2.894E-05	0.000495835	0.000280959
2080 Nov	153.2928162	0.10956499	0.116815068	0.00322087	22.91537857	0.044086717	55.31955719	0.001252589	0.000946644	5.27013E-06	0.008351084	0.002938234	0.086726345	0.022165751	6.37567E-06	26.63906288	2.93082E-05	0.000504408	0.000284436
2080 Dec	155.1527863	0.109885052	0.116856165	0.003220904	22.92974854	0.044114813	56.23040771	0.001251866	0.000945899	5.26719E-06	0.008379228	0.002946199	0.087825902	0.022179939	6.38018E-06	26.83990097	2.95209E-05	0.000504657	0.000286062
2081 Jan	155.3152618	0.10991776	0.11685691	0.003220892	22.93583488	0.04411817	56.29987335	0.001251964	0.000946027	5.26784E-06	0.008382136	0.002947145	0.087907098	0.022193264	6.38131E-06	26.86465645	2.95398E-05	0.000504772	0.000286395
2081 Feb	155.3277893	0.109933555	0.116849162	0.003220672	22.94160843	0.04411687	56.29431534	0.001252037	0.000946145	5.26835E-06	0.008382421	0.002947411	0.087895453	0.022208132	6.38165E-06	26.87501526	2.95405E-05	0.000504873	0.000286651
2081 Mar	155.3980255	0.10998752	0.116894566	0.0032219	22.95428848	0.044134084	56.31435013	0.001252586	0.000946589	5.27076E-06	0.00838595	0.002948781	0.087925307	0.022225333	6.38443E-06	26.8916111	2.95529E-05	0.000505139	0.000286909
2081 Apr	156.2914429	0.110583931	0.117499031	0.003238533	23.08161736	0.044363871	56.63402557	0.001259234	0.000951692	5.29902E-06	0.008431125	0.002964822	0.088409945	0.022360111	6.41857E-06	27.05179405	2.97161E-05	0.000507915	0.000288779
2081 May	150.268692	0.110130399	0.116901331	0.003183532	24.46759033	0.041726574	50.72674179	0.001264371	0.00096176	5.33282E-06	0.008218496	0.003009602	0.080027305	0.026366111	6.38763E-06	28.79426956	2.93281E-05	0.00054188	0.000357849
2081 Jun	150.2015533	0.112934783	0.135909915	0.003546103	26.15849686	0.040926117	50.98923492	0.001298709	0.000931825	5.2746E-06	0.008009633	0.003271133	0.082966469	0.027108906	6.47517E-06	28.77937317	3.01836E-05	0.000599196	0.000368901
2081 Jul	163.6932831	0.119990341	0.145973444	0.003820474	27.83613396	0.044177521	56.29967499	0.001402177	0.001007113	5.69899E-06	0.008689682	0.003519086	0.091203332	0.028597377	7.00403E-06	30.8281498	3.28787E-05	0.000640303	0.000388535
2081 Aug	178.0488892	0.125616029	0.151660442	0.003994338	29.19745445	0.047126994	61.89559555	0.00148533	0.001076243	6.07148E-06	0.009280974	0.003713058	0.099040926	0.030191971	7.45126E-06	33.1428566	3.50941E-05	0.000670265	0.000412953
2081 Sep	182.6102448	0.121241577	0.139552891	0.003744969	27.79122353	0.046923123	64.57631683	0.001445655	0.001072487	5.99938E-06	0.009293017	0.00355881	0.100869887	0.029177187	7.32116E-06	33.3155899	3.47258E-05	0.00063324	0.00040298
2081 Oct	188.5497742	0.119868062	0.131449416	0.003569611	26.79586983	0.046401482	67.91300201	0.001408995	0.001059898	5.90217E-06	0.009370523	0.003459994	0.103799663	0.02842507	7.19773E-06	33.6661377	3.5089E-05	0.000606916	0.000398895
2081 Nov	187.0259552	0.117455311	0.121671543	0.003354586	25.52846909	0.045523923	67.80231476	0.001360519	0.001039387	5.75607E-06	0.009300408	0.003301691	0.102316894	0.027374899	6.98879E-06	33.10863876	3.44647E-05	0.000573536	0.000385687
2081 Dec	186.9588165	0.117275439	0.120390601	0.003327496	25.3775425	0.04546329	67.82862854	0.001355356	0.001037911	5.74298E-06	0.00930255	0.003282507	0.102177799	0.027258297	6.96769E-06	33.06233597	3.44092E-05	0.000569395	0.000384174
2082 Jan	187.1486511	0.117273673	0.120331086	0.00332606	25.37479401	0.045455202	67.91620636	0.001355067	0.001037834	5.74235E-06	0.009304553	0.003282567	0.102271736	0.027265187	6.96729E-06	33.08731461	3.44276E-05	0.000569301	0.000384481
2082 Feb	187.2026062	0.117301963	0.120332122	0.003326075	25.38350105	0.045457475	67.92726135	0.001355254	0.001038051	5.74339E-06	0.009305948	0.00328323	0.102280982	0.027284594	6.96833E-06	33.1044693	3.44339E-05	0.000569463	0.000384828
2082 Mar	187.3430939	0.117395431	0.120412588	0.003328297	25.40515327	0.045489065	67.97185516	0.001356261	0.001038863	5.7478E-06	0.009312735	0.003285723	0.102346055	0.027313281	6.97349E-06	33.13443756	3.44587E-05	0.000569929	0.000385262
2082 Apr	188.0988007	0.117872596	0.120893151	0.00334158	25.50923538	0.045671307	68.24227142	0.001361733	0.001043077	5.77106E-06	0.009350216	0.003299003	0.102752157	0.027428282	7.00161E-06	33.27109528	3.45971E-05	0.000572253	0.0003869
2082 May	191.8154602	0.120184183	0.12323764	0.003406566	26.01255608	0.046563156	69.58251953	0.001388519	0.00106372	5.88501E-06	0.009534624	0.003363776	0.104762934	0.027979638	7.13945E-06	33.93493652	3.52802E-05	0.000583532	0.000394741
2082 Jun	153.3287506	0.098530658	0.116675414	0.003214696	22.54842567	0.040117931	54.87866974	0.001287871	0.00096661	5.37717E-06	0.008508009	0.003008185	0.086766876	0.023026491	6.50747E-06	27.01560211	3.17844E-05	0.000534146	0.000307149
2082 Jul	144.357666	0.100785084	0.131303221	0.003536795	23.61196899	0.041739352	51.389431	0.001344605	0.00096957	5.46774E-06	0.008375834	0.003188329	0.085078813	0.022629946	6.68712E-06	25.49105072	3.11939E-05	0.000568472	0.000284897
2082 Aug	150.4012299	0.101039395	0.129123867	0.00353353	23.80697441	0.043655451	53.61069489	0.001384603	0.001017577	5.69744E-06	0.00866397	0.003222966	0.087764315	0.023219109	6.91591E-06	26.52466393	3.17027E-05	0.00056918	0.000292071
2082 Sep	151.282959	0.100757226	0.121896803	0.003394832	23.2544651	0.044146214	53.8605423	0.001373224	0.001028562	5.71823E-06	0.008752314	0.003135754	0.087189011	0.023049416	6.88854E-06	26.71119499	3.13542E-05	0.000550531	0.000289261
2082 Oct	140.406601	0.097829074	0.097955108	0.002859981	20.60589981	0.042102084	49.42913818	0.001250471	0.000976948	5.3481E-06	0.008470336	0.002724362	0.078169167	0.021266898	6.32392E-06	25.11076355	2.87891E-05	0.000472651	0.000264253
2082 Nov	145.4647522	0.098306805	0.097449929	0.002848775	20.58307838	0.042165469	51.88944244	0.001248109	0.000976534	5.34538E-06	0.008550326	0.002738581	0.081063248	0.02129522	6.33684E-06	25.6624279	2.93498E-05	0.000471752	0.000268656
2082 Dec	147.5688171	0.098333135	0.09743885	0.002848066	20.58036041	0.042160328	52.92073822	0.001247627	0.000976292	5.34478E-06	0.008578276	0.00274684	0.082306817	0.021305861	6.34415E-06	25.88503456	2.95926E-05	0.00047188	0.000270548
2083 Jan	147.7557526	0.098352201	0.097427778	0.002847832	20.58330536	0.042162616	53.00519562	0.001247671	0.0009764	5.34529E-06	0.008581446	0.002747644	0.082405634	0.021314932	6.3452E-06	25.90995789	2.96142E-05	0.000471934	0.000270838
2083 Feb	147.8287354	0.098405488	0.097465739	0.002848931	20.59605789	0.04217992	53.02497101	0.001248251	0.000976892	5.34791E-06	0.008585298	0.002749009	0.08243423	0.021333851	6.34814E-06	25.92800331	2.96274E-05	0.000472203	0.000271124
2083 Mar	147.9913635	0.09851668	0.097567759	0.002851908	20.62020493	0.042224556	53.07971954	0.001249609	0.000977976	5.35379E-06	0.008594555	0.002752045	0.082518265	0.021361984	6.35504E-06	25.95943451	2.96592E-05	0.000472745	0.000271506
2083 Apr	148.8384094	0.099082097	0.098123088	0.002868137	20.73905373	0.042465162	53.38151169	0.001256751	0.000983577	5.38443E-06	0.008643631	0.0027678	0.082986772	0.021486897	6.39136E-06	26.10966873	2.98286E-05	0.000475462	0.000273108
2083 May	156.412735	0.101575516	0.102420144	0.002920794	22.32056808	0.041158583	54.9298439	0.001268387	0.000985677	5.41003E-06	0.008609061	0.002913238	0.084544532	0.024694955	6.4456E-06	28.69005966	3.08136E-05	0.000513145	0.000335358
2083 Jun	152.0138092	0.1076978	0.132690027	0.003484186	25.16555405	0.0402948	53.38059235	0.001314176	0.000922009	5.25102E-06	0.008094439	0.003340242	0.087030545	0.025965173	6.50651E-06	28.28706169	3.10428E-05	0.000605913	0.000350144
2083 Jul	157.5006866	0.106136277	0.134220347	0.003571632	25.01426125	0.042240351	56.44959259	0.001368252	0.000968	5.49468E-06	0.00844454	0.003410248	0.091670297	0.025344374	6.79274E-06	28.39269066	3.21813E-05	0.000607143	0.0003359
2083 Aug	153.7120819	0.094330542	0.116690964	0.003239369	22.92863464	0.042663503	55.05915833	0.001339011	0.000994793	5.54262E-06	0.008260179	0.00316838	0.087527089	0.024295898	6.70786E-06	27.68497276	3.00924E-05	0.000545611	0.000318993
2083 Sep	157.7162476	0.097655453	0.109238312	0.003075485	22.25382423	0.042846609	57.33073425	0.00129857	0.000976489	5.41936E-06	0.008365155	0.003064223	0.089264497	0.023587069	6.55386E-06	27.92319679	3.00818E-05	0.000522178	0.000311476
2083 Oct	158.8253632	0.110243604	0.116842195	0.003207479	23.20325089	0.044037618	58.51249695	0.001287942	0.000934079	5.25282E-06	0.008420208	0.003163289	0.09183228	0.023286209	6.46354E-06	27.8108654	3.02561E-05	0.000542207	0.000301824
2083 Nov	162.3097382	0.113433562	0.120170981	0.003270326	23.57951164	0.044408418	60.36859894	0.001291424	0.0009246	5.22519E-06	0.00846984	0.003225997	0.094605699	0.023325687	6.47849E-06	28.14297867	3.07171E-05	0.000552385	0.000303213
2083 Dec	163.8576202	0.113422297	0.120075218	0.003268	23.56724358	0.044396959	61.12939835	0.001290751	0.000924373	5.22411E-06	0.008490467	0.003230797	0.095511407	0.023327559	6.48268E-06	28.30506134	3.08937E-05	0.00055222	0.00030455
2084 Jan	163.8659515	0.113430619	0.120039843	0.003267256	23.56794357	0.044395968	61.12592316	0.001290712	0.000924467	5.22437E-06	0.008491034	0.003230505	0.095499724	0.023335323	6.48261E-06	28.31141663	3.08935E-05	0.00055219	0.000304692
2084 Feb	163.8912506	0.113454387	0.120043822	0.003267367	23.57497406	0.044399124	61.12645721	0.001290893	0.000924661	5.22532E-06	0.00849209	0.003230998	0.095497966	0.023350021	6.48352E-06	28.32274628	3.08968E-05	0.000552321	0.000304937
2084 Mar	164.0733948	0.11358387	0.120169364	0.003270785	23.60301208	0.044446468	61.18957138	0.001292317	0.000925716	5.2312E-06	0.008501392	0.003234585	0.095595174	0.023381976	6.49067E-06	28.35799217	3.09304E-05	0.00055296	0.000305382
2084 Apr	165.5028687	0.114571892	0.121208273	0.003299062	23.80895996	0.04483119	61.72056198	0.00130353	0.000933767	5.27666E-06	0.008575186	0.003262686	0.096423075	0.023588374	6.54701E-06	28.60683632	3.11991E-05	0.000557775	0.000308098
2084 May	161.2733612	0.111403443	0.116687641	0.003167225	24.63101006	0.041889742	56.81267166	0.001297933	0.00094787	5.31091E-06	0.008396571	0.003246343	0.088765942	0.027149532	6.49314E-06	30.35219383	3.09329E-05	0.000577643	0.000373238
2084 Jun	152.52742	0.108429089	0.132745475	0.003465717	25.28879356	0.040231891	54.12186813	0.001320863	0.000901873	5.16922E-06	0.007986738	0.003440632	0.088447057	0.02641803	6.47813E-06	28.61038589	3.08264E-05	0.000623351	0.000355531
2084 Jul	159.6210785	0.108209744	0.134214967	0.003551988	25.45387077	0.042089369	57.35486603	0.001381494	0.000956627	5.45335E-06	0.008424728	0.003526156	0.093118027	0.026486084	6.80108E-06	29.30605316	3.23594E-05	0.000631201	0.000353726
2084 Aug	165.8061371	0.106664926	0.129802436	0.00349503	25.25917625	0.043516561	59.90370941	0.001403462	0.000994789	5.62283E-06	0.008636991	0.003516038	0.095796458	0.02672171	6.95569E-06	30.18470383	3.26694E-05	0.00062159	0.000357964
2084 Sep	167.2449493	0.102034882	0.115285493	0.003190067	23.58896065	0.042978931	61.04664612	0.001343155	0.000983551	5.49615E-06	0.008565216	0.003286918	0.095186338	0.025470387	6.73317E-06	29.96345329	3.1711E-05	0.000572558	0.00034419
2084 Oct	164.401535	0.103441611	0.104595721	0.002953233	22.31957436	0.042522542	60.39634323	0.001279888	0.00095382	5.29771E-06	0.00852919	0.003089644	0.092713282	0.024165304	6.45684E-06	29.17536926	3.0837E-05	0.000531632	0.000325189
2084 Nov	164.9355927	0.106192417	0.106531821	0.002988547	22.51274109	0.042894658	60.92649078	0.001277954	0.000943527	5.25823E-06	0.008537741	0.003116677	0.093616247	0.02401318	6.43935E-06	29.11691475	3.08818E-05	0.000535359	0.000321634
2084 Dec	166.2004852	0.106218949	0.106498785	0.002987832	22.51051331	0.042899217	61.54314423	0.001277814	0.000943603	5.25888E-06	0.008556375	0.003121507	0.094358347	0.024021251	6.44458E-06	29.25229454	3.10298E-05	0.00053541	0.000322769
2085 Jan	166.9929047	0.106194943	0.106445752	0.002986293	22.50369453	0.042881317	61.93245316	0.001277221	0.000943262	5.25718E-06	0.008564905	0.003123816	0.094817951	0.02402458	6.44553E-06	29.33665276	3.11172E-05	0.000535317	0.000323544
2085 Feb	167.1232758	0.106215507	0.106450453	0.002986389	22.50967026	0.042883512	61.98633194	0.001277354	0.000943412	5.25795E-06	0.008567199	0.003124696	0.094881222	0.024037736	6.44669E-06	29.35780907	3.11328E-05	0.000535443	0.000323852
2085 Mar	167.1923065	0.106261767	0.106487654	0.00298743	22.52040291	0.042899128	62.0080452	0.00127786	0.000943813	5.26013E-06	0.008570543	0.003125968	0.094912954	0.024052553	6.44924E-06	29.37300873	3.11449E-05	0.000535681	0.000324075
2085 Apr	167.9589539	0.106751166	0.106972851	0.003001041	22.62465668	0.043094963	62.29001236	0.001283716	0.000948154	5.28429E-06	0.008609778	0.003140308	0.09534388	0.024165807	6.4788E-06	29.50953865	3.12873E-05	0.000538151	0.000325613
2085 May	164.2731018	0.105877742	0.106366761	0.002950032	23.68414116	0.040777188	58.15911102	0.001281578	0.000952685	5.29173E-06	0.008422325	0.003167443	0.089184053	0.027309094	6.43375E-06	30.98470497	3.10697E-05	0.000562707	0.000382073
2085 Jun	154.8921509	0.106883973	0.119567387	0.003193545	25.19498825	0.039543547	53.18395233	0.001315948	0.000936685	5.27493E-06	0.008138913	0.003352147	0.084835954	0.028766876	6.4823E-06	30.55660629	3.08323E-05	0.000614245	0.00039916
2085 Jul	163.3622742	0.106610268	0.118718557	0.003226056	25.43196106	0.041271351	56.55257416	0.001368648	0.000994049	5.55814E-06	0.008548527	0.003419166	0.089035459	0.029463246	6.78192E-06	31.81738853	3.2184E-05	0.00061861	0.000410181
2085 Aug	165.4668427	0.09773916	0.104765646	0.002950497	23.55999565	0.041350152	58.33374786	0.001323975	0.000997218	5.50694E-06	0.008409904	0.003206015	0.089460388	0.027890394	6.6441E-06	31.41662407	3.09161E-05	0.000565559	0.000389974
2085 Sep	167.8456268	0.101817392	0.102591023	0.002893831	22.74263573	0.042309027	61.35413742	0.001279099	0.000952611	5.28536E-06	0.008374901	0.003137825	0.093263559	0.025603045	6.44732E-06	30.45173454	3.04428E-05	0.000542123	0.00035248
2085 Oct	172.5950012	0.110619552	0.113310426	0.003105599	23.59332275	0.043611087	64.81125641	0.001293349	0.000921885	5.19765E-06	0.008480336	0.00330974	0.099289924	0.024979444	6.48308E-06	30.36717224	3.1389E-05	0.000568011	0.000339168
2085 Nov	174.3054962	0.113747515	0.117292576	0.003184092	23.90923882	0.044078037	66.0605011	0.001299419	0.000910666	5.16678E-06	0.0085152	0.003376515	0.101521097	0.024773814	6.49863E-06	30.34341431	3.17299E-05	0.000578241	0.000334582
2085 Dec	175.2360687	0.113735355	0.117191307	0.003181868	23.89708519	0.044070773	66.51812744	0.001298889	0.00091056	5.16608E-06	0.008528196	0.003378714	0.102060147	0.024771662	6.50078E-06	30.43984032	3.18355E-05	0.000577997	0.000335343
2086 Jan	175.3254242	0.113737673	0.117148474	0.003180919	23.89628601	0.044066988	66.55509186	0.001298755	0.000910603	5.16607E-06	0.008529525	0.003378555	0.10209576	0.024778564	6.50068E-06	30.45411682	3.18441E-05	0.000577934	0.00033555
2086 Feb	175.334137	0.113749377	0.117139027	0.003180664	23.90086937	0.044065133	66.54916382	0.001298791	0.000910699	5.16646E-06	0.008529668	0.003378684	0.102083534	0.024791082	6.50087E-06	30.46271515	3.18442E-05	0.000578003	0.000335769
2086 Mar	175.436203	0.113811463	0.1171913	0.003182082	23.91506767	0.044085655	66.58413696	0.001299445	0.000911196	5.1692E-06	0.008534073	0.003380457	0.102133654	0.02481012	6.50421E-06	30.48353386	3.18612E-05	0.000578325	0.000336064
2086 Apr	176.5431671	0.114525937	0.117920339	0.003201877	24.06585693	0.044360384	67.00233459	0.00130757	0.000916916	5.2016E-06	0.008587529	0.003401646	0.102772802	0.024969038	6.54492E-06	30.67751312	3.20612E-05	0.00058196	0.000338239
2086 May	177.2299805	0.114232935	0.115728721	0.003156419	24.4248085	0.043839756	66.06530762	0.001316596	0.000936921	5.28508E-06	0.008659575	0.003401204	0.100972295	0.026390668	6.59518E-06	31.62876129	3.23414E-05	0.000588406	0.000363752
2086 Jun	152.6310425	0.104287066	0.124896049	0.003310166	24.37350273	0.040000562	54.95522308	0.001332339	0.000905109	5.17787E-06	0.008086775	0.003454319	0.089467824	0.026066734	6.49517E-06	28.56187057	3.10832E-05	0.000623037	0.000347869
2086 Jul	161.6779175	0.104225129	0.129783213	0.003480509	24.61518478	0.042413779	59.62963104	0.001414845	0.000965457	5.5134E-06	0.008625879	0.003606784	0.096830875	0.025694892	6.91572E-06	29.10468292	3.32124E-05	0.000639963	0.000336905
2086 Aug	169.75	0.098904379	0.120007589	0.003306429	23.6565361	0.043301381	63.4093132	0.001406751	0.000994644	5.61029E-06	0.008732036	0.003505882	0.100062311	0.025377061	6.9645E-06	29.95136833	3.31395E-05	0.000607437	0.000337795
2086 Sep	166.0598297	0.092439257	0.098487824	0.002848614	21.23784065	0.042416941	62.11745071	0.001305688	0.000972173	5.38631E-06	0.008480648	0.003115986	0.095308736	0.023503497	6.56414E-06	29.03892708	3.076E-05	0.000530247	0.000313764
2086 Oct	173.5674591	0.095554322	0.096251033	0.002794157	21.08486748	0.042523641	65.92684174	0.001285782	0.000959746	5.31737E-06	0.008619148	0.003106636	0.099460028	0.023333861	6.50968E-06	29.78269958	3.15366E-05	0.000522272	0.000317448
2086 Nov	176.3554535	0.095966242	0.096575633	0.002802679	21.15197945	0.042654183	67.24234772	0.001289056	0.000962005	5.33131E-06	0.008675599	0.003125878	0.101114579	0.023415342	6.53642E-06	30.11113167	3.18951E-05	0.000524164	0.000320397
2086 Dec	177.7707367	0.095970869	0.096541084	0.002801733	21.14686775	0.042648312	67.93719482	0.001288669	0.000961834	5.33081E-06	0.008694554	0.003131181	0.101950511	0.023420926	6.54115E-06	30.26029968	3.2059E-05	0.000524199	0.000321654
2087 Jan	177.9219666	0.095979348	0.096525706	0.002801376	21.14766121	0.042647436	68.00696564	0.00128862	0.000961863	5.33091E-06	0.008696778	0.003131661	0.102031052	0.023426387	6.54165E-06	30.27944756	3.2076E-05	0.000524206	0.000321871
2087 Feb	177.9929199	0.09602011	0.096555188	0.002802223	21.1576786	0.042661041	68.02946472	0.00128908	0.000962241	5.33293E-06	0.008699885	0.003132847	0.102062352	0.023441546	6.54401E-06	30.29520226	3.20877E-05	0.000524429	0.00032211
2087 Mar	178.2330933	0.096152939	0.096682429	0.002805911	21.18751335	0.04271761	68.11834717	0.001290816	0.000963555	5.34018E-06	0.008711552	0.003137087	0.102194853	0.023476802	6.55282E-06	30.33831978	3.21306E-05	0.000525154	0.000322609
2087 Apr	178.8010101	0.096461318	0.096988916	0.002814804	21.25579262	0.042853218	68.33371735	0.00129493	0.000966636	5.35723E-06	0.00873928	0.003147094	0.102517508	0.02355371	6.57369E-06	30.43628502	3.22327E-05	0.000526838	0.000323673
2087 May	173.7162781	0.098709702	0.100034371	0.002855495	22.28282356	0.042001437	64.54419708	0.001304434	0.000966952	5.36729E-06	0.00861781	0.003204729	0.097776182	0.025489781	6.56936E-06	30.99127007	3.18808E-05	0.000551059	0.000353381
2087 Jun	153.4889374	0.102833018	0.117130369	0.00314565	24.52808571	0.039510462	53.81493378	0.001335123	0.000928368	5.25642E-06	0.008123543	0.003427688	0.086661279	0.028025806	6.51314E-06	29.9893074	3.0885E-05	0.000624626	0.000382455
2087 Jul	158.1376953	0.097646736	0.110677138	0.003055869	23.7417202	0.040284436	55.94223785	0.001354247	0.000972526	5.44428E-06	0.008365517	0.003367282	0.08849518	0.027705172	6.66591E-06	30.34832954	3.14509E-05	0.000602621	0.000379227

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Aug	168.4781036	0.098564021	0.110592894	0.00309882	24.15244484	0.042307623	60.21920776	0.001403584	0.001023873	5.70209E-06	0.00874103	0.003453248	0.093889929	0.028500153	6.9531E-06	31.87162018	3.26889E-05	0.000609474	0.000392488
2087 Sep	179.3744965	0.099912822	0.105609335	0.003010396	23.78186989	0.04298925	65.37289429	0.001397134	0.001036802	5.74447E-06	0.009028224	0.003423865	0.099494636	0.028329611	6.99635E-06	33.02777863	3.38E-05	0.000595044	0.000396851
2087 Oct	183.9729462	0.099250793	0.0970065	0.002823273	22.67550468	0.042433817	68.10895538	0.00134725	0.001018571	5.61172E-06	0.009075218	0.003280543	0.101463757	0.027277701	6.81997E-06	33.08895874	3.38902E-05	0.000560969	0.000387899
2087 Nov	183.114624	0.099139176	0.09358383	0.002750134	22.25064087	0.042274699	67.86306	0.001328738	0.001012473	5.56366E-06	0.009066872	0.003213019	0.100636221	0.026854893	6.74395E-06	32.83639145	3.36202E-05	0.000547239	0.000381859
2087 Dec	185.3136292	0.099104032	0.093504928	0.002747838	22.23407936	0.042250071	68.95333862	0.001327641	0.001011787	5.56069E-06	0.009093507	0.003220485	0.101943977	0.026851756	6.74906E-06	33.06163025	3.38698E-05	0.000547117	0.000383693
2088 Jan	185.7579498	0.099110238	0.093482442	0.002747246	22.23370743	0.042246349	69.16721344	0.001327472	0.001011741	5.56049E-06	0.009099277	0.003222044	0.102197595	0.026858468	6.75035E-06	33.11173248	3.392E-05	0.000547131	0.00038418
2088 Feb	185.7946167	0.09912581	0.093482852	0.002747239	22.2385273	0.042247161	69.17657471	0.001327559	0.001011851	5.56102E-06	0.009100061	0.003222418	0.102206364	0.026869321	6.75089E-06	33.12200165	3.39241E-05	0.000547218	0.000384382
2088 Mar	186.0532837	0.099268675	0.093609735	0.002750961	22.27130318	0.042304926	69.26898193	0.001329409	0.001013285	5.56884E-06	0.009112653	0.003226933	0.102341846	0.026911573	6.76029E-06	33.1710968	3.39708E-05	0.000548006	0.000385001
2088 Apr	188.2974548	0.100473054	0.094733335	0.002783971	22.54262924	0.042813398	70.09859467	0.001345441	0.001025541	5.63612E-06	0.009222426	0.00326589	0.103565849	0.027243515	6.8418E-06	33.575737	3.43797E-05	0.000554653	0.000389773
2088 May	193.1150055	0.10310825	0.096713975	0.002842848	23.18472481	0.043760229	71.67913818	0.001377883	0.001052131	5.77858E-06	0.009446357	0.003345946	0.105788447	0.028196836	7.00812E-06	34.59781265	3.52196E-05	0.000569398	0.000404607
2088 Jun	143.7769928	0.083384953	0.087284818	0.002605208	19.98944473	0.037382636	50.29797745	0.001284344	0.000985448	5.38882E-06	0.008490382	0.002877903	0.078888752	0.024015315	6.39206E-06	27.1409626	3.08339E-05	0.000515078	0.000321234
2088 Jul	148.2392578	0.085109398	0.094381399	0.002798924	20.71778107	0.038997106	52.33210373	0.001358684	0.001031117	5.65859E-06	0.008901303	0.003040513	0.083049707	0.024276786	6.73824E-06	27.5688858	3.2593E-05	0.000544068	0.000319476
2088 Aug	164.4760895	0.089742765	0.098292172	0.002944834	21.90200043	0.042054351	58.85799789	0.0014484	0.001108589	6.06894E-06	0.009574934	0.003237782	0.091980927	0.025854623	7.22517E-06	30.09719467	3.5124E-05	0.000572943	0.000344301
2088 Sep	176.1973877	0.090401135	0.09513355	0.002888805	21.71763802	0.042670738	64.42153931	0.001444813	0.001117806	6.10235E-06	0.009788152	0.003242061	0.098335214	0.02585705	7.27682E-06	31.40018082	3.61712E-05	0.000564778	0.000352218
2088 Oct	164.415329	0.089789987	0.077348776	0.002478037	19.48444939	0.041178845	59.80396652	0.001316606	0.001054411	5.69055E-06	0.009385395	0.002844468	0.089616396	0.02362458	6.69237E-06	29.32457542	3.31767E-05	0.000487972	0.00031828
2088 Nov	161.5326233	0.090254501	0.073590107	0.002394825	19.0685215	0.041073732	58.55968094	0.001293301	0.001044793	5.62214E-06	0.009327339	0.002762054	0.087465711	0.023213718	6.58511E-06	28.88555527	3.25226E-05	0.00047233	0.000310929
2088 Dec	163.0435028	0.090274632	0.073563769	0.002394129	19.06557083	0.041074116	59.30011749	0.001293015	0.001044687	5.62205E-06	0.009348032	0.002768029	0.088359252	0.023221871	6.59071E-06	29.04594612	3.26971E-05	0.000472425	0.000312279
2089 Jan	163.1192627	0.090292193	0.073551662	0.002393872	19.06825638	0.041075844	59.33057785	0.001293029	0.001044768	5.62239E-06	0.009349458	0.002768311	0.088392243	0.02322972	6.59115E-06	29.05876923	3.2705E-05	0.000472453	0.000312464
2089 Feb	163.1549225	0.090320557	0.073562995	0.002394207	19.07589531	0.041082267	59.33648682	0.001293296	0.001045019	5.62367E-06	0.009351158	0.002768982	0.08839909	0.0232439	6.59249E-06	29.07069588	3.27107E-05	0.000472606	0.000312692
2089 Mar	163.4350586	0.090479404	0.073685974	0.002398191	19.11034203	0.041150976	59.43472672	0.001295494	0.001046814	5.6333E-06	0.009366951	0.00277375	0.088544145	0.023288539	6.60369E-06	29.12352562	3.2766E-05	0.00047344	0.000313315
2089 Apr	164.6808624	0.091171965	0.074245334	0.002416382	19.25726891	0.04146339	59.88510513	0.001305355	0.001054797	5.67623E-06	0.009437171	0.002794906	0.089214198	0.023469526	6.65395E-06	29.34765816	3.30151E-05	0.000477066	0.000315766
2089 May	159.6101837	0.092831649	0.076975547	0.002434676	20.54042244	0.040171113	55.60372543	0.001305668	0.001049278	5.65283E-06	0.009177117	0.002855275	0.083498932	0.026146192	6.60388E-06	30.35881805	3.22417E-05	0.000504542	0.000359932
2089 Jun	151.5830688	0.098415643	0.098753564	0.002796443	23.71086121	0.038526654	50.56258011	0.001332883	0.000992769	5.48151E-06	0.00849707	0.00321579	0.079603747	0.029721884	6.56158E-06	31.17597771	3.12602E-05	0.000595239	0.000414006
2089 Jul	162.1697998	0.094471231	0.094241276	0.00274663	23.19398308	0.039635681	55.54521942	0.001358757	0.001037064	5.68199E-06	0.008811336	0.003214253	0.085179903	0.029628126	6.76443E-06	32.24066925	3.24658E-05	0.000580295	0.000417701
2089 Aug	174.281189	0.091997311	0.090785779	0.002716046	22.94293404	0.041296199	61.20362854	0.00138624	0.001078856	5.87626E-06	0.009090892	0.003242298	0.091695957	0.029766174	6.9747E-06	33.60031128	3.34524E-05	0.00056918	0.000424615
2089 Sep	184.6220093	0.092211328	0.083249494	0.002558907	21.97742271	0.04134994	66.74602509	0.001346054	0.001066787	5.782E-06	0.009245546	0.003141816	0.097386494	0.028720038	6.86763E-06	34.2948436	3.41269E-05	0.000539038	0.000417795
2089 Oct	176.0409546	0.098808438	0.082358994	0.002507785	21.19414711	0.041777885	64.75189972	0.001280566	0.000995577	5.43305E-06	0.008997805	0.003030077	0.095138058	0.02614026	6.51473E-06	31.95921326	3.24254E-05	0.000514459	0.00036895
2089 Nov	177.3253937	0.10137409	0.085731916	0.002577867	21.54771423	0.042372998	65.59461975	0.00129104	0.000991434	5.43357E-06	0.009034612	0.003092211	0.096791938	0.026109179	6.55223E-06	32.01476669	3.26443E-05	0.000524875	0.000366479
2089 Dec	178.6573029	0.101405255	0.085713416	0.002577585	21.54763794	0.042381614	66.24330902	0.00129106	0.00099159	5.43477E-06	0.009054651	0.003097767	0.097577453	0.026119847	6.55845E-06	32.15811539	3.28017E-05	0.000525024	0.000367686
2090 Jan	178.9026337	0.10143581	0.08571402	0.002577725	21.55306244	0.042389568	66.35401917	0.001291273	0.000991832	5.43604E-06	0.009059527	0.003099114	0.09771084	0.026131831	6.56055E-06	32.19049072	3.28319E-05	0.000525147	0.000368043
2090 Feb	178.9798737	0.101481371	0.085740872	0.002578514	21.56424141	0.042403288	66.37716675	0.001291753	0.000992241	5.43821E-06	0.009062872	0.003100367	0.097741783	0.026150048	6.56303E-06	32.20877075	3.28444E-05	0.00052539	0.000368336
2090 Mar	179.2210083	0.10161674	0.08584892	0.002581753	21.59382439	0.042456936	66.46408081	0.001293422	0.000993544	5.44531E-06	0.00907462	0.003104444	0.097867534	0.026188498	6.57154E-06	32.25425339	3.28875E-05	0.000526095	0.000368901
2090 Apr	180.045517	0.102086663	0.086242266	0.002593577	21.69415283	0.042651623	66.76773071	0.001299373	0.000998128	5.47041E-06	0.009116314	0.003118742	0.098314077	0.02631161	6.60178E-06	32.40425491	3.30385E-05	0.000528529	0.000370644
2090 May	185.9745789	0.103350222	0.08782009	0.002629502	22.15680885	0.042858392	69.10584259	0.001315748	0.001009717	5.53733E-06	0.009251302	0.003187747	0.101317935	0.027104203	6.69658E-06	33.44722748	3.39145E-05	0.000540834	0.000386815
2090 Jun	166.2246552	0.103189759	0.119091615	0.003223277	24.47412109	0.041091703	60.90935135	0.001401879	0.000953595	5.45732E-06	0.008661809	0.00366433	0.09782324	0.027581768	6.83287E-06	30.88408852	3.36174E-05	0.000654671	0.000374641
2090 Jul	169.956131	0.101346135	0.119456582	0.003289124	24.33859253	0.042551212	62.66346741	0.001461016	0.001008752	5.74094E-06	0.00908302	0.003719595	0.10079731	0.027306791	7.13806E-06	31.03518486	3.49914E-05	0.000659083	0.000365655
2090 Aug	164.0664978	0.092211574	0.101916775	0.002926141	22.19035912	0.043044206	60.62995911	0.001377836	0.000993669	5.56731E-06	0.008579242	0.00337329	0.095717072	0.025288232	6.80911E-06	29.72708511	3.12715E-05	0.000584184	0.000333413
2090 Sep	172.7155914	0.10446357	0.109319866	0.00306337	23.26426888	0.044920478	65.35111237	0.001387974	0.000964701	5.48104E-06	0.008763384	0.003560648	0.102936506	0.025516722	6.83777E-06	30.65474892	3.21948E-05	0.000611937	0.000335121
2090 Oct	172.22052	0.117943123	0.118129261	0.003233236	24.48003578	0.0466199	65.52605438	0.00141119	0.000940511	5.42425E-06	0.008936184	0.003746621	0.104897812	0.025919961	6.87581E-06	30.6735611	3.26713E-05	0.000645988	0.00033175
2090 Nov	173.4427948	0.119428448	0.120286688	0.003272965	24.68385124	0.046765737	66.3063736	0.001416273	0.000933571	5.40571E-06	0.008944087	0.003798203	0.106324397	0.025973616	6.88807E-06	30.7806282	3.28848E-05	0.00065466	0.00033217
2090 Dec	175.2493591	0.119393073	0.12014012	0.003269724	24.66515541	0.046749756	67.19405365	0.001415365	0.000933357	5.4045E-06	0.008968271	0.003803093	0.107374728	0.025973098	6.89273E-06	30.96875381	3.30905E-05	0.00065433	0.00033371
2091 Jan	175.9300385	0.119370133	0.120075725	0.003268127	24.65913773	0.046735071	67.52427673	0.001414873	0.000933185	5.4035E-06	0.008976144	0.00380479	0.107760146	0.025978936	6.89378E-06	31.0433979	3.31658E-05	0.000654211	0.000334428
2091 Feb	176.1103516	0.119372688	0.120058648	0.003267645	24.66175461	0.046729416	67.60391998	0.001414782	0.000933203	5.40351E-06	0.008978087	0.003805399	0.107849635	0.025990473	6.89421E-06	31.06914711	3.3185E-05	0.000654252	0.000334788
2091 Mar	176.5132904	0.119637832	0.12031424	0.003274601	24.71770477	0.046829727	67.75527191	0.001417864	0.00093528	5.41544E-06	0.008997846	0.003813769	0.10808634	0.026053615	6.90932E-06	31.14284706	3.32589E-05	0.000655706	0.000335646
2091 Apr	178.0747375	0.120698348	0.121374361	0.003303455	24.93749237	0.047242861	68.35166168	0.001430399	0.000943573	5.4634E-06	0.009077369	0.003847484	0.109036863	0.026287604	6.97041E-06	31.42054367	3.35527E-05	0.000661518	0.000338678
2091 May	178.1170807	0.120300889	0.120243102	0.003277586	25.45567322	0.046599444	66.95947266	0.00144227	0.000964087	5.5517E-06	0.009117832	0.003858862	0.106734864	0.027933177	7.02787E-06	32.41344833	3.37792E-05	0.000671906	0.000367611
2091 Jun	162.9884491	0.106412776	0.118376128	0.00318501	25.05749512	0.041148704	58.75882721	0.001417977	0.000944925	5.43127E-06	0.008557645	0.003782057	0.09598247	0.029257648	6.83336E-06	31.55257607	3.28922E-05	0.000683485	0.000395274
2091 Jul	175.8796234	0.108981766	0.12191315	0.003323534	25.86287308	0.043467741	64.06032562	0.00150553	0.001018664	5.82341E-06	0.009224654	0.003955132	0.103554741	0.030313674	7.29575E-06	33.39362717	3.55487E-05	0.000709438	0.000410952
2091 Aug	176.6687317	0.099202462	0.105744094	0.00300017	23.74227715	0.043312721	65.05107117	0.001436585	0.001018668	5.72909E-06	0.008990989	0.003642294	0.102132678	0.02844109	7.07072E-06	32.76912308	3.36803E-05	0.000638879	0.000388039
2091 Sep	178.3184204	0.092661649	0.089628994	0.00266154	21.64152908	0.04275139	66.61579132	0.001348687	0.000998583	5.53666E-06	0.008786653	0.003316248	0.101415977	0.026338596	6.75442E-06	32.14634323	3.20776E-05	0.000569119	0.00036329
2091 Oct	182.5398102	0.103845119	0.101149663	0.002877721	22.69209099	0.044071402	70.00362396	0.001363446	0.000955177	5.40016E-06	0.008879242	0.003539783	0.107613176	0.026002301	6.76488E-06	32.14133072	3.30458E-05	0.000604147	0.000353153
2091 Nov	179.9916687	0.110825047	0.108452089	0.003020745	23.42772484	0.045100562	69.43361664	0.00138125	0.000935526	5.35072E-06	0.008898916	0.003667971	0.108326398	0.025910892	6.78732E-06	31.67424393	3.30802E-05	0.000627814	0.000343503
2091 Dec	181.0729675	0.110970341	0.108336672	0.003018484	23.41682434	0.045121469	69.97100067	0.001380678	0.000935369	5.34982E-06	0.0089187	0.003670627	0.108961523	0.025901331	6.78997E-06	31.78271294	3.32077E-05	0.000627477	0.000344159
2092 Jan	182.4056702	0.110916205	0.108239427	0.003015893	23.40352631	0.045090947	70.62594604	0.001379674	0.000934857	5.34721E-06	0.008933279	0.003674243	0.109733179	0.025904853	6.79172E-06	31.92336464	3.33556E-05	0.000627268	0.000345437
2092 Feb	182.7533112	0.110939726	0.108240604	0.003015889	23.41078758	0.045092009	70.78295135	0.001379797	0.000935028	5.34814E-06	0.008938496	0.003676077	0.109919824	0.025923561	6.79382E-06	31.97014999	3.33964E-05	0.000627445	0.000346014
2092 Mar	183.2319946	0.111231968	0.108513318	0.003023484	23.4737587	0.045206472	70.96295929	0.001383352	0.000937485	5.36209E-06	0.008961583	0.003685583	0.110196516	0.025997801	6.81137E-06	32.05792618	3.34826E-05	0.000629094	0.000347042
2092 Apr	184.5730438	0.112049371	0.10930375	0.003045507	23.64698982	0.045536254	71.47888184	0.001393473	0.000944371	5.40142E-06	0.009027079	0.00371255	0.110996738	0.026192162	6.86121E-06	32.29508972	3.37272E-05	0.000633714	0.000349654
2092 May	186.4200287	0.112095602	0.109468088	0.003039175	24.32548904	0.044695511	70.95146179	0.001405051	0.00095913	5.46967E-06	0.009058988	0.003755669	0.10989847	0.0280279	6.91645E-06	33.55104065	3.42106E-05	0.000649757	0.000383562
2092 Jun	165.2026062	0.103575543	0.122299589	0.003244586	24.47540665	0.040836211	62.43344498	0.001418753	0.000896766	5.24252E-06	0.008380295	0.003921668	0.10251338	0.027557228	6.77985E-06	30.64689064	3.31619E-05	0.000700852	0.000365965
2092 Jul	170.6597443	0.097781107	0.118616782	0.003215664	23.40723038	0.041350543	65.93811798	0.001441102	0.000930395	5.39582E-06	0.008690704	0.003882827	0.106854558	0.026108315	6.9422E-06	30.3625145	3.4449E-05	0.000682176	0.000344379
2092 Aug	188.9955597	0.099323504	0.118364319	0.003252107	23.84817505	0.043332439	74.07106781	0.001486309	0.00097878	5.64102E-06	0.009174819	0.003995853	0.116966583	0.02694178	7.24599E-06	32.76262665	3.6586E-05	0.000691141	0.000364682
2092 Sep	209.3114471	0.09583731	0.107287854	0.003019269	22.56383514	0.042846348	84.1295929	0.001426683	0.000970262	5.53938E-06	0.009344337	0.003852175	0.127151251	0.026028289	7.12284E-06	34.60483932	3.7902E-05	0.000646966	0.000372253
2092 Oct	219.746933	0.094917566	0.097660951	0.002808348	21.40162086	0.042021208	89.48470306	0.001364393	0.000951516	5.39223E-06	0.009440848	0.00368873	0.13170445	0.025085928	6.93107E-06	35.35709763	3.85467E-05	0.00060558	0.000372122
2092 Nov	224.7168274	0.094752781	0.095250972	0.002755446	21.11220169	0.041824408	91.98098755	0.001348628	0.000946705	5.35579E-06	0.009498185	0.003658178	0.13424775	0.024866834	6.89283E-06	35.79719925	3.89835E-05	0.000595572	0.00037421
2092 Dec	225.5131683	0.094806746	0.095245063	0.002755706	21.11729431	0.041844491	92.36134338	0.001349013	0.000947155	5.35831E-06	0.009512769	0.003661912	0.13471058	0.02488034	6.89831E-06	35.88715744	3.9081E-05	0.000595753	0.000374982
2093 Jan	225.9981842	0.094798736	0.095206447	0.002754699	21.11402512	0.04183495	92.59667206	0.001348654	0.000947001	5.35749E-06	0.009518271	0.003663213	0.134985968	0.024884842	6.89899E-06	35.94042587	3.91343E-05	0.000595685	0.000375497
2093 Feb	226.222702	0.094824493	0.095217988	0.002755005	21.12099075	0.041840285	92.69631195	0.001348879	0.000947211	5.35865E-06	0.009522327	0.003664693	0.135106936	0.024899259	6.90098E-06	35.97180557	3.91619E-05	0.000595859	0.000375884
2093 Mar	227.4487762	0.09517698	0.095564887	0.002764998	21.20008659	0.041992009	93.22667694	0.001353795	0.00095069	5.37846E-06	0.009562508	0.003679885	0.13583158	0.024998182	6.92793E-06	36.14890671	3.93515E-05	0.000598129	0.000377711
2093 Apr	229.2923279	0.095922537	0.096309006	0.002786518	21.36654091	0.042319033	93.98555756	0.001364355	0.000958122	5.42051E-06	0.009638019	0.00370891	0.136928394	0.025196491	6.98228E-06	36.43999863	3.96664E-05	0.00060282	0.00038077
2093 May	225.0224609	0.096659616	0.095070913	0.002748736	22.01858711	0.041498326	90.31311798	0.00136674	0.000971254	5.46794E-06	0.009577622	0.003694457	0.1315821 41	0.027056282	6.97524E-06	37.13315582	3.92554E-05	0.000612365	0.000411002
2093 Jun	168.6217194	0.100097001	0.113750018	0.003066307	24.0793705	0.039807964	63.21895981	0.001403795	0.000912233	5.27126E-06	0.008459304	0.003837591	0.101774707	0.02845984	6.75254E-06	31.71700668	3.35268E-05	0.000688163	0.000388185
2093 Jul	174.7364807	0.099297658	0.114445671	0.003136373	24.16707611	0.041663412	65.9974823	0.001462474	0.000966602	5.551E-06	0.00886084	0.003914466	0.10580574	0.028532242	7.06366E-06	32.32095718	3.48254E-05	0.000693897	0.000385888
2093 Aug	186.700058	0.098192766	0.111526631	0.003112997	24.10690308	0.043166429	71.31713867	0.001487883	0.001006979	5.7379E-06	0.009162637	0.003939481	0.111899525	0.028867427	7.26272E-06	33.80450058	3.59158E-05	0.000686495	0.000396293
2093 Sep	192.9710236	0.097189136	0.100801505	0.002891048	22.85915756	0.042867336	74.55486298	0.001430006	0.000998348	5.63225E-06	0.009245506	0.003735706	0.113833725	0.027735639	7.08343E-06	34.06635666	3.59112E-05	0.000639771	0.000388143
2093 Oct	179.0908203	0.102768563	0.095497094	0.002743085	21.92119408	0.042754669	69.3239212	0.001347454	0.00093148	5.27277E-06	0.008895965	0.003529408	0.106479123	0.025675979	6.64893E-06	31.63340759	3.33323E-05	0.000602365	0.00034728
2093 Nov	178.1816864	0.10795857	0.100558802	0.002841154	22.50309753	0.043754607	69.37192535	0.001360612	0.000916395	5.23469E-06	0.008893785	0.003632146	0.107658938	0.025648342	6.66809E-06	31.4405365	3.32323E-05	0.00062111	0.000340698
2093 Dec	179.1138306	0.108005635	0.100488655	0.002840114	22.50090408	0.043771997	69.81845856	0.001360689	0.000916842	5.23685E-06	0.008910611	0.003635115	0.108189896	0.025657073	6.67314E-06	31.54316139	3.33432E-05	0.000621036	0.000341534
2094 Jan	179.8360138	0.10799589	0.100440562	0.002838927	22.49757957	0.04376179	70.16718292	0.001360318	0.000916743	5.23632E-06	0.008919549	0.003637292	0.108600616	0.025665345	6.67491E-06	31.62316513	3.34243E-05	0.000620984	0.000342305
2094 Feb	180.0447693	0.10801015	0.100435652	0.002838765	22.50270081	0.043760337	70.2587204	0.001360354	0.000916845	5.23683E-06	0.008922449	0.003638313	0.108706877	0.025679693	6.67601E-06	31.65325546	3.3448E-05	0.00062109	0.000342713
2094 Mar	180.408844	0.108225778	0.100625969	0.002844139	22.5488205	0.043843884	70.39668274	0.001362996	0.000918668	5.24716E-06	0.008939899	0.003645444	0.108916663	0.025736215	6.68905E-06	31.72030258	3.35139E-05	0.000622327	0.000343506
2094 Apr	181.3720398	0.108806655	0.101160191	0.002859236	22.67053032	0.044077024	70.76940155	0.00137027	0.000923596	5.27525E-06	0.008987567	0.0036649	0.109492473	0.025877303	6.72476E-06	31.89193916	3.36924E-05	0.000625664	0.000345405
2094 May	181.5854034	0.108423129	0.104576714	0.002902834	23.70232391	0.042755555	69.4770813	0.001384322	0.000924966	5.29773E-06	0.008865426	0.003768527	0.108028442	0.028096411	6.75961E-06	33.12540436	3.39362E-05	0.000656514	0.000385052
2094 Jun	173.2928619	0.10437461	0.110988893	0.00300337	25.04121208	0.040130902	63.59870911	0.001422743	0.000934977	5.38E-06	0.008629027	0.00391825	0.101712443	0.031061649	6.84773E-06	33.79727554	3.40034E-05	0.000708854	0.000432213

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Jul	187.2855988	0.10583204	0.11198207	0.003087582	25.67162132	0.042318054	69.25015259	0.001499578	0.001009878	5.76228E-06	0.00926167	0.004054114	0.109096214	0.032255162	7.2784E-06	35.88259506	3.64662E-05	0.000725802	0.000452736
2094 Aug	214.9387207	0.110538505	0.11610534	0.003232526	26.92215919	0.045312308	81.39125061	0.001589222	0.001083105	6.16147E-06	0.010055063	0.004324037	0.124928787	0.034117669	7.80764E-06	39.72719193	4.02703E-05	0.000760061	0.000491274
2094 Sep	219.1085358	0.10818208	0.102897696	0.002955838	25.12241936	0.044669803	84.06494141	0.001508428	0.001063413	5.98426E-06	0.010059797	0.004038554	0.125698596	0.032180239	7.52947E-06	39.35504532	3.98173E-05	0.000696251	0.000470935
2094 Oct	211.6354523	0.10414122	0.084576786	0.002551151	22.35679054	0.042784072	81.78610992	0.001372344	0.001010653	5.60775E-06	0.009768102	0.0035654	0.119326949	0.028975036	6.96752E-06	37.15387726	3.76493E-05	0.000601	0.000427838
2094 Nov	199.26297	0.102429561	0.073923983	0.002310402	20.59909248	0.041768737	76.9957962	0.001282699	0.000967113	5.32607E-06	0.009450331	0.003246825	0.111479975	0.026576938	6.55381E-06	34.74758911	3.5314E-05	0.000540602	0.000387823
2094 Dec	199.1555786	0.102573618	0.07412719	0.002313063	20.58493233	0.041783087	77.05041504	0.001281102	0.000964069	5.31296E-06	0.00943772	0.003248726	0.11160133	0.026485862	6.54409E-06	34.67983627	3.52778E-05	0.000540606	0.000386199
2095 Jan	200.2280579	0.102557071	0.074082702	0.002311823	20.58055687	0.041768476	77.57341003	0.001280596	0.000963824	5.31188E-06	0.009450478	0.003252415	0.112223834	0.026494855	6.54677E-06	34.79602814	3.53986E-05	0.0005406	0.00038728
2095 Feb	200.4039612	0.102589197	0.074111104	0.002312373	20.5909481	0.041771971	77.64713287	0.001280843	0.000963978	5.31284E-06	0.009453209	0.003254082	0.11231485	0.026514053	6.54849E-06	34.82489395	3.54198E-05	0.000540864	0.000387709
2095 Mar	200.7958069	0.102711894	0.074197061	0.002314946	20.61740685	0.041816853	77.81044769	0.001282283	0.000965074	5.31893E-06	0.009465789	0.003258625	0.112531364	0.026552645	6.55656E-06	34.88628769	3.54784E-05	0.000541559	0.000388429
2095 Apr	202.153656	0.103408106	0.074695215	0.002330475	20.75806236	0.042097628	78.33352661	0.001290925	0.000971601	5.35486E-06	0.009529547	0.003280628	0.113286234	0.026735999	6.60077E-06	35.12456131	3.57175E-05	0.000545232	0.000391127
2095 May	190.0703125	0.103541166	0.082076915	0.002449771	22.23919106	0.040842272	71.11553955	0.001318578	0.000967689	5.3712E-06	0.009184784	0.003410477	0.105300963	0.029170182	6.61882E-06	35.13383102	3.46125E-05	0.000590484	0.000423103
2095 Jun	177.0177002	0.105370082	0.099671863	0.002788601	24.84305191	0.04034327	63.50949478	0.001409621	0.00097529	5.51449E-06	0.008908291	0.00377146	0.099199049	0.032393564	6.86456E-06	35.2444458	3.42357E-05	0.000683317	0.00045951
2095 Jul	188.2931976	0.108161904	0.101903409	0.002900576	25.77606392	0.04313517	67.69576263	0.001495882	0.001053627	5.92051E-06	0.009489711	0.003932041	0.104976125	0.033915587	7.31848E-06	37.22114182	3.61546E-05	0.000705479	0.000480918
2095 Aug	183.497818	0.097525619	0.088670164	0.00263496	23.56209564	0.042670935	66.46910095	0.001424229	0.001043503	5.78639E-06	0.009126322	0.003608548	0.10116116	0.031467669	7.05279E-06	35.57865524	3.38135E-05	0.000632954	0.000445559
2095 Sep	189.5992737	0.093246013	0.079536863	0.002451932	22.2405529	0.042689957	69.98439789	0.001375152	0.001037145	5.70069E-06	0.009089749	0.003422802	0.104016326	0.029913159	6.91093E-06	35.56245041	3.33722E-05	0.000588892	0.000428932
2095 Oct	200.5534668	0.09332002	0.075876214	0.002372204	21.67621994	0.042410109	75.66838837	0.001347463	0.001026274	5.62916E-06	0.009238832	0.003381014	0.110221818	0.029283483	6.85249E-06	36.40599442	3.44922E-05	0.000571254	0.000429956
2095 Nov	196.640686	0.093322165	0.068722188	0.002216488	20.58496284	0.041818071	74.36325073	0.001293964	0.001005095	5.47956E-06	0.009179945	0.003187668	0.107246153	0.027884424	6.62745E-06	35.36222458	3.37195E-05	0.000532896	0.000409285
2095 Dec	196.3870544	0.093376413	0.06773413	0.002195754	20.44936371	0.041765507	74.29373932	0.001287581	0.001003268	5.46447E-06	0.009182162	0.003163152	0.106969722	0.027723024	6.60257E-06	35.2664566	3.36574E-05	0.000527915	0.000407059
2096 Jan	197.4953308	0.093363211	0.067686811	0.002194388	20.44395828	0.041748036	74.83579254	0.001286975	0.001002934	5.46295E-06	0.009195205	0.003166865	0.107614331	0.02773059	6.60494E-06	35.38553619	3.37826E-05	0.000527888	0.000408157
2096 Feb	197.8009644	0.093427494	0.067716576	0.002195276	20.46058273	0.04176528	74.96175385	0.001287621	0.00100351	5.46604E-06	0.009202356	0.003169491	0.107769355	0.02776186	6.60915E-06	35.43494415	3.38224E-05	0.000528278	0.000408827
2096 Mar	198.055191	0.093556054	0.067800306	0.002197957	20.49014282	0.041816637	75.05136108	0.001289267	0.001004832	5.47316E-06	0.009213973	0.003173603	0.107895948	0.027805835	6.6176E-06	35.48554611	3.3865E-05	0.000529	0.000409499
2096 Apr	199.3051605	0.094152339	0.068227127	0.002211776	20.62152481	0.042079736	75.52099609	0.001297414	0.001011204	5.50782E-06	0.00927208	0.003193681	0.108570099	0.027986273	6.6594E-06	35.71250534	3.40783E-05	0.000532369	0.000412168
2096 May	204.7639923	0.09530104	0.071416907	0.002260653	21.40057182	0.041340012	77.35108185	0.001309624	0.001010893	5.52544E-06	0.009315012	0.003300338	0.11101716	0.029440476	6.71515E-06	37.04615784	3.50767E-05	0.000556521	0.000441595
2096 Jun	175.6328583	0.099723928	0.113401942	0.003076652	23.90669441	0.041147795	67.67984772	0.001457213	0.000918907	5.39221E-06	0.008777576	0.004080378	0.110272415	0.028186282	6.9763E-06	32.13140106	3.50761E-05	0.000722167	0.00037894
2096 Jul	187.5652924	0.102223441	0.120100036	0.003278197	24.67769051	0.043829639	73.43354034	0.001555877	0.000979043	5.75157E-06	0.009389018	0.004333376	0.119657524	0.028635301	7.45768E-06	33.40900803	3.76831E-05	0.000759249	0.000380837
2096 Aug	203.8969879	0.10552229	0.122099929	0.003371148	25.52430916	0.046386607	80.34449768	0.001624357	0.001039633	6.07165E-06	0.009944829	0.004497613	0.128822997	0.029864198	7.84795E-06	35.78701782	3.9875E-05	0.000780695	0.000402557
2096 Sep	198.3181763	0.10176447	0.103726096	0.002979538	23.27017403	0.045102932	77.91629028	0.001507227	0.001014853	5.81906E-06	0.009719389	0.004032579	0.121806286	0.027739624	7.39316E-06	34.46276093	3.76912E-05	0.00069017	0.000376764
2096 Oct	184.2322083	0.102550969	0.086474925	0.002589308	21.1610527	0.043704681	71.73007202	0.0013707	0.000961647	5.43381E-06	0.009348897	0.003549236	0.110219993	0.025449749	6.79185E-06	32.14774323	3.45356E-05	0.000600188	0.000342098
2096 Nov	183.5767975	0.105004385	0.087862782	0.00261595	21.41939163	0.044183016	71.46626282	0.001375363	0.000957745	5.42567E-06	0.009355332	0.003582958	0.110197544	0.025577467	6.79796E-06	32.13768005	3.44135E-05	0.000606508	0.000341451
2096 Dec	184.4649048	0.104994066	0.087795243	0.002614476	21.41060257	0.044176437	71.9025116	0.001374885	0.000957628	5.425E-06	0.009367172	0.003585256	0.11071261	0.025576495	6.80015E-06	32.22975159	3.45139E-05	0.000606323	0.000342198
2097 Jan	184.9359894	0.104979962	0.087753825	0.002613401	21.40687943	0.044164918	72.13050079	0.001374484	0.000957468	5.42409E-06	0.009372221	0.00358634	0.110977106	0.02558095	6.80063E-06	32.28165817	3.45649E-05	0.000606227	0.000342711
2097 Feb	185.0104675	0.104984827	0.087744579	0.002613103	21.40981865	0.044160627	72.15929413	0.001374421	0.000957485	5.42409E-06	0.009372762	0.003586564	0.111006215	0.025590599	6.80069E-06	32.29529572	3.4572E-05	0.00060626	0.00034295
2097 Mar	185.2263184	0.105111189	0.087842815	0.00261602	21.43665886	0.044210359	72.23907471	0.001376007	0.000958624	5.43047E-06	0.009383518	0.00359072	0.111127384	0.025625689	6.80855E-06	32.33621979	3.46116E-05	0.000606985	0.000343445
2097 Apr	186.7449646	0.105975859	0.088561185	0.002637408	21.61361694	0.044572074	72.82868958	0.001387288	0.000966502	5.47505E-06	0.009460391	0.003620161	0.112033695	0.025838949	6.86437E-06	32.60328293	3.4895E-05	0.000611975	0.000346316
2097 May	184.7397461	0.105978087	0.08753217	0.002610896	22.23968506	0.043853134	70.22695923	0.001396297	0.000986916	5.5588E-06	0.009457781	0.003615593	0.10806603	0.027667901	6.90187E-06	33.50064087	3.48231E-05	0.00062173	0.000377318
2097 Jun	172.8154755	0.1024561	0.102841131	0.002870024	24.20476532	0.041198727	63.66679764	0.001452321	0.000963991	5.5429E-06	0.008967093	0.003939663	0.102853462	0.030543514	6.98806E-06	33.51494598	3.45474E-05	0.000707485	0.000417225
2097 Jul	184.2466431	0.10357888	0.104618087	0.002969114	24.77842903	0.043493707	68.40097809	0.00152941	0.001033305	5.90416E-06	0.009526711	0.004080474	0.109389894	0.031460579	7.40223E-06	35.1482811	3.66252E-05	0.000724967	0.000430609
2097 Aug	192.157959	0.102653533	0.102121875	0.002954259	24.74129677	0.045007743	71.77375031	0.00155455	0.001072485	6.08398E-06	0.009768127	0.004087953	0.113152817	0.031710502	7.58108E-06	36.16568756	3.7236E-05	0.000717281	0.000436323
2097 Sep	200.2260742	0.10295555	0.098807193	0.002899759	24.48392296	0.045590241	75.52893066	0.001549658	0.001084987	6.12623E-06	0.009950425	0.004054191	0.1171374	0.0315406	7.61932E-06	37.00070953	3.79138E-05	0.000704446	0.000439071
2097 Oct	195.1901855	0.101728268	0.088463604	0.002673837	23.00740433	0.044649005	73.65123749	0.001472079	0.001058762	5.92326E-06	0.00980457	0.003767433	0.112564117	0.029827418	7.30037E-06	35.74981308	3.6594E-05	0.000648329	0.000415541
2097 Nov	191.5140839	0.100951031	0.083291285	0.002559241	22.24530983	0.044105958	72.18875122	0.001431431	0.001043676	5.81157E-06	0.009701862	0.003617421	0.109635122	0.028923782	7.12672E-06	34.97727203	3.57794E-05	0.000619705	0.000402399
2097 Dec	191.2747192	0.100792281	0.082509138	0.002541197	22.11947441	0.043998197	72.14451599	0.001424411	0.001040464	5.79027E-06	0.009685131	0.003595483	0.109405927	0.028769655	7.09764E-06	34.88242722	3.56848E-05	0.000615246	0.000400492
2098 Jan	192.0878143	0.100780122	0.08245033	0.002539639	22.1142292	0.043982171	72.53936005	0.001423794	0.001040193	5.78881E-06	0.009694206	0.003597622	0.109867662	0.028776543	7.09873E-06	34.97131348	3.57737E-05	0.000615124	0.000401346
2098 Feb	192.2262115	0.100803979	0.082447924	0.002539515	22.1221447	0.043981124	72.59200287	0.001423871	0.001040342	5.78951E-06	0.009696205	0.00359845	0.109925188	0.028795937	7.09969E-06	34.99721146	3.57888E-05	0.000615263	0.000401779
2098 Mar	192.366806	0.100887299	0.08250396	0.002541218	22.14190483	0.04401128	72.63754272	0.001424909	0.001041151	5.7939E-06	0.009703118	0.003601102	0.109992102	0.028826071	7.10486E-06	35.02837753	3.58139E-05	0.000615756	0.000402231
2098 Apr	192.9360809	0.101470545	0.082619324	0.002544029	22.31443214	0.044078823	72.62664032	0.001428947	0.001045609	5.81555E-06	0.009726026	0.00361231	0.109912984	0.029183146	7.12509E-06	35.29895782	3.5886E-05	0.000618851	0.00040819
2098 May	182.078598	0.101542108	0.083711095	0.002512617	23.47050667	0.041640021	65.25759888	0.001412687	0.00103164	5.73472E-06	0.009318504	0.003612507	0.099919662	0.032079659	6.97614E-06	35.87698746	3.45072E-05	0.000642597	0.000455891
2098 Jun	177.5679169	0.104852483	0.115024276	0.003104393	25.40080643	0.042050667	67.15639496	0.001513515	0.000942012	5.53597E-06	0.008933034	0.004303669	0.110429041	0.031224536	7.17883E-06	34.08155441	3.55644E-05	0.000772942	0.000421615
2098 Jul	190.2765808	0.108673804	0.120073274	0.003281686	26.51682472	0.045041826	72.29870605	0.001621456	0.001024204	5.98524E-06	0.009652114	0.0045385	0.118341759	0.032625448	7.71984E-06	36.06610489	3.82721E-05	0.000810242	0.000439073
2098 Aug	190.6644745	0.100802638	0.106706128	0.00302135	24.75448418	0.044999324	72.67967987	0.001557503	0.001031315	5.92598E-06	0.009464069	0.004220612	0.116082981	0.03095641	7.52362E-06	35.48151398	3.65697E-05	0.000741274	0.000419321
2098 Sep	182.5283661	0.098573014	0.090498783	0.002659205	22.35173225	0.043805219	70.01940918	0.001422261	0.000976084	5.53912E-06	0.009090422	0.003756935	0.109292984	0.027853955	6.95836E-06	33.29424286	3.38343E-05	0.000648997	0.000375386
2098 Oct	192.2698364	0.109293044	0.100687958	0.002847709	23.41356277	0.045303732	76.14152527	0.001448076	0.000935651	5.42486E-06	0.009276419	0.004046737	0.119145647	0.027872935	7.02824E-06	34.08494949	3.54373E-05	0.000693649	0.000373129
2098 Nov	193.3728638	0.112459883	0.104717791	0.002927695	23.88087845	0.045915425	77.00701904	0.001466898	0.000928701	5.42256E-06	0.009323766	0.004156585	0.121211983	0.028064165	7.08509E-06	34.21847153	3.57788E-05	0.000713191	0.000372692
2098 Dec	194.2937469	0.11248675	0.104616635	0.002925945	23.87305641	0.045924857	77.44985199	0.001466651	0.000929031	5.42387E-06	0.009339535	0.004158445	0.121728882	0.0280667	7.08886E-06	34.31705856	3.58857E-05	0.000712903	0.000373471
2099 Jan	194.9410553	0.112480439	0.104570769	0.002924868	23.87030411	0.045916405	77.76070404	0.001466319	0.000928989	5.42357E-06	0.00934777	0.00416024	0.122092865	0.028074812	7.09051E-06	34.38930893	3.59584E-05	0.00071283	0.000374174
2099 Feb	195.3756409	0.112494826	0.10456612	0.002924715	23.87535667	0.045914967	77.96274567	0.001466348	0.000929094	5.42418E-06	0.009353796	0.004162243	0.122333296	0.028090827	7.09261E-06	34.4434967	3.60087E-05	0.00071297	0.00037479
2099 Mar	195.9248352	0.112800233	0.104839794	0.002932366	23.94130135	0.046035748	78.1789093	0.001470248	0.000931613	5.43879E-06	0.009379025	0.004173425	0.122665979	0.028172271	7.11163E-06	34.54228592	3.61073E-05	0.000714895	0.000375928
2099 Apr	197.8026733	0.114184782	0.105381168	0.002947228	24.32178116	0.046315614	78.52890778	0.001482503	0.000942902	5.49675E-06	0.009455906	0.004207795	0.123069145	0.028891787	7.17334E-06	35.1548042	3.6386E-05	0.000722691	0.000387774
2099 May	181.14328	0.110622138	0.104948826	0.002846646	26.28490257	0.041277405	65.98674774	0.001459293	0.000936658	5.42195E-06	0.008748381	0.004191085	0.105329499	0.034810796	6.95898E-06	36.92676544	3.42436E-05	0.000762496	0.000489822
2099 Jun	181.0256958	0.105001427	0.110350013	0.002976211	25.58819771	0.041028503	68.17673492	0.001496635	0.000929969	5.43921E-06	0.008834348	0.004312101	0.110364839	0.032801259	7.08997E-06	35.51586533	3.54732E-05	0.000779581	0.00045264
2099 Jul	193.7941284	0.105338715	0.110760435	0.003045478	25.95357704	0.043042254	73.60762024	0.001564418	0.000997059	5.78016E-06	0.009400265	0.004423794	0.117434911	0.033545434	7.47581E-06	37.21643829	3.76781E-05	0.000790628	0.000465868
2099 Aug	204.0136719	0.105117068	0.107039928	0.003015816	25.94292068	0.045101151	77.8006134	0.001592494	0.001047552	6.0076E-06	0.009729334	0.004411838	0.122092463	0.033806037	7.69141E-06	38.55654526	3.83723E-05	0.00077984	0.000471972
2099 Sep	193.2261963	0.098006159	0.088349022	0.002617734	23.11886215	0.043603409	73.51631165	0.001455733	0.001011196	5.69272E-06	0.009300281	0.003860687	0.112880178	0.030417532	7.14264E-06	35.97014618	3.51618E-05	0.000672608	0.000423942
2099 Oct	188.0497589	0.099784583	0.081849717	0.002467617	21.94361305	0.043119628	72.08802795	0.001387669	0.000973434	5.4632E-06	0.009184856	0.003649907	0.109682888	0.028509337	6.8419E-06	34.49457169	3.41097E-05	0.000628856	0.000394295
2099 Nov	189.8257904	0.104209244	0.08868333	0.002596283	22.51404572	0.043874048	73.98854828	0.001407298	0.000948831	5.39657E-06	0.0091941	0.003819681	0.11365483	0.028329642	6.88078E-06	34.41421127	3.45934E-05	0.000657178	0.000386826
2099 Dec	190.485611	0.104303792	0.088751689	0.002598129	22.52781105	0.043906301	74.30645752	0.001408138	0.000949276	5.39957E-06	0.009207549	0.003824749	0.114060633	0.02834619	6.88716E-06	34.49023438	3.4679E-05	0.0006577	0.000387454
2100 Jan	191.5478058	0.104281671	0.08873678	0.002597369	22.52333832	0.043887712	74.83150482	0.001407587	0.000948819	5.39765E-06	0.009219048	0.003828864	0.114691883	0.028350854	6.88937E-06	34.60197449	3.47991E-05	0.000657765	0.000388462
2100 Feb	191.9223328	0.104302958	0.088780433	0.002598085	22.53182411	0.043886423	75.01044464	0.001407737	0.000948748	5.39773E-06	0.009223373	0.003831708	0.114915684	0.028366087	6.89135E-06	34.64830399	3.48435E-05	0.000658097	0.000388994
2100 Mar	192.0413666	0.104367964	0.08883287	0.002599536	22.54718399	0.043909468	75.05371857	0.001408534	0.000949291	5.4008E-06	0.009228465	0.003834036	0.114979953	0.028388062	6.89526E-06	34.67247772	3.48638E-05	0.000658518	0.000389326
2100 Apr	193.7891388	0.10532134	0.089639373	0.002623132	22.75374031	0.044308323	75.73376465	0.001421352	0.000957954	5.45003E-06	0.009312408	0.003868925	0.116020948	0.028649926	6.95802E-06	34.9901886	3.51807E-05	0.000664525	0.000392931
2100 May	190.1617279	0.102803864	0.087953411	0.002546584	23.59475327	0.041357104	71.47555542	0.001405282	0.000962033	5.43874E-06	0.009090301	0.003838078	0.109139062	0.031661011	6.86837E-06	36.4095459	3.49666E-05	0.000678644	0.00045088
2100 Jun	176.3078308	0.10112711	0.110165343	0.002969912	24.65649414	0.040911537	68.15570831	0.001496757	0.000902535	5.31579E-06	0.008704771	0.004331141	0.111293428	0.030854145	7.02903E-06	33.86948776	3.50959E-05	0.000778645	0.000414486
2100 Jul	184.5082245	0.096582651	0.107420273	0.002951941	23.80338097	0.041297313	72.76567841	0.001513076	0.000930368	5.44313E-06	0.009010307	0.004306697	0.11689613	0.029683262	7.17312E-06	34.0261879	3.65885E-05	0.000762484	0.000400517
2100 Aug	180.1446686	0.091299906	0.097928934	0.002768325	22.54458046	0.042012651	70.97135162	0.001461781	0.000931312	5.37985E-06	0.008718919	0.004050096	0.112781979	0.028187497	6.99102E-06	32.98071671	3.41612E-05	0.000706978	0.000376309
2100 Sep	187.6345825	0.093095027	0.095681012	0.002727577	22.40654564	0.043172684	74.81508636	0.001449964	0.000929353	5.35953E-06	0.008786279	0.004031809	0.117192045	0.027757069	6.98252E-06	33.63208771	3.41977E-05	0.000696258	0.000372408
2100 Oct	194.7834778	0.095732585	0.095093645	0.002716184	22.41095543	0.043500654	78.36746216	0.001445296	0.000926649	5.34598E-06	0.008953364	0.00405104	0.121357739	0.027702771	6.99404E-06	34.35923004	3.50925E-05	0.000694198	0.00037619
2100 Nov	196.2637177	0.096914358	0.095932283	0.002735167	22.56343651	0.04376217	79.08448029	0.001452055	0.000928058	5.35999E-06	0.009008043	0.00408238	0.122430429	0.02783037	7.02457E-06	34.56993866	3.53517E-05	0.000699236	0.000377953
2100 Dec	197.5120087	0.096989423	0.095941313	0.002735933	22.57283401	0.043791972	79.68190765	0.001452739	0.000928731	5.36393E-06	0.009030409	0.004088713	0.123162009	0.027852988	7.03339E-06	34.7112236	3.55054E-05	0.000699618	0.000379185
2101 Jan	199.1882019	0.096940301	0.095861346	0.002733767	22.55939674	0.043762933	80.50679016	0.001451707	0.000928197	5.36142E-06	0.009049749	0.004093782	0.124141939	0.027855255	7.03665E-06	34.88590622	3.56944E-05	0.000699438	0.000380718
2101 Feb	200.0370789	0.096913315	0.095820315	0.002732558	22.55413818	0.043743942	80.92121887	0.001451127	0.000927891	5.35995E-06	0.009058901	0.004096349	0.124631666	0.027861023	7.03801E-06	34.97712326	3.5789E-05	0.000699369	0.000381589
2101 Mar	200.1820984	0.096957654	0.095855869	0.002733566	22.56507301	0.043760505	80.98110199	0.001451707	0.000928297	5.36225E-06	0.009063391	0.004098269	0.124712519	0.027877601	7.04113E-06	35.00109482	3.58105E-05	0.00069968	0.000381887
2101 Apr	201.2971497	0.097487584	0.096356332	0.002747826	22.6901474	0.043990117	81.42455292	0.001459409	0.000933323	5.39109E-06	0.00911214	0.004120214	0.125383973	0.028039685	7.07877E-06	35.20093918	3.60054E-05	0.000703453	0.000384203
2101 May	186.9370117	0.098373622	0.094727106	0.002677534	23.80672264	0.041542012	71.55965424	0.001449406	0.000944195	5.40814E-06	0.008857498	0.004048626	0.111562125	0.031325959	6.96896E-06	35.69859695	3.46934E-05	0.000718049	0.0004362

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jun	177.1347198	0.099056825	0.106253728	0.002886357	24.59752655	0.040503178	68.13967896	0.001496764	0.000911113	5.32932E-06	0.008694031	0.004308507	0.11028526	0.031577453	7.02764E-06	34.49676514	3.50436E-05	0.000777462	0.000428207
2101 Jul	193.3279572	0.103547424	0.11221911	0.003071995	25.81254196	0.043297242	75.18000031	0.00160225	0.000982138	5.73225E-06	0.009418053	0.00458671	0.120721713	0.033057135	7.55608E-06	36.87541962	3.81696E-05	0.000821837	0.00044965
2101 Aug	209.0975494	0.106929764	0.114548385	0.003170152	26.72247124	0.045799322	81.81325531	0.001673436	0.001042138	6.05191E-06	0.009965339	0.004764186	0.129598096	0.034418389	7.95052E-06	39.25737762	4.03588E-05	0.000846245	0.000472936
2101 Sep	201.250412	0.100408912	0.095782571	0.002778967	24.03884888	0.044592671	78.46492767	0.001540137	0.001017987	5.79524E-06	0.009620187	0.00420856	0.121380605	0.03131428	7.44808E-06	37.1411171	3.74409E-05	0.000736689	0.00043175
2101 Oct	204.8438568	0.099686444	0.087475732	0.002602268	22.85899544	0.043907844	80.48748016	0.001476357	0.001002092	5.65938E-06	0.009636793	0.003992197	0.121881098	0.029984759	7.23284E-06	36.93809509	3.73105E-05	0.000688675	0.000420294
2101 Nov	194.979248	0.098146953	0.076444194	0.00236184	21.22425461	0.042738471	76.13899231	0.001385436	0.000974291	5.44013E-06	0.009408915	0.003634955	0.113951944	0.028003281	6.85139E-06	35.04033661	3.53572E-05	0.000621309	0.000391115
2101 Dec	192.6648254	0.098137274	0.074742258	0.002327104	21.01463699	0.042660829	75.00307465	0.001374235	0.000973046	5.42118E-06	0.009382838	0.003578669	0.112165131	0.027764363	6.80283E-06	34.70727539	3.49916E-05	0.000611432	0.000386674
2102 Jan	193.4185333	0.098111734	0.074680179	0.00232543	21.00752449	0.042640127	75.36962128	0.00137349	0.000972708	5.41935E-06	0.009390474	0.003580239	0.112590648	0.027768331	6.80317E-06	34.78827286	3.50729E-05	0.000611235	0.000387461
2102 Feb	193.5141907	0.098139584	0.074682869	0.002325467	21.01629257	0.04264158	75.40074921	0.001373644	0.000972912	5.42034E-06	0.009392288	0.003581008	0.112623528	0.027787965	6.80429E-06	34.80980682	3.50838E-05	0.00061139	0.000387852
2102 Mar	193.6984711	0.098218985	0.074733235	0.00232701	21.03479767	0.042670276	75.46980286	0.001374626	0.000973659	5.42442E-06	0.009399494	0.003583794	0.112718523	0.027816825	6.80937E-06	34.84486771	3.51133E-05	0.000611876	0.000388323
2102 Apr	194.484848	0.098622739	0.075034648	0.002336381	21.12213135	0.042842366	75.77203369	0.001380204	0.000977639	5.44654E-06	0.009437555	0.003598347	0.113168731	0.027934626	6.83701E-06	34.9893074	3.52553E-05	0.000614381	0.000389985
2102 May	198.3406677	0.100572288	0.076501891	0.002382211	21.5426693	0.043684091	77.26410675	0.00140748	0.000997105	5.55471E-06	0.009624493	0.003669251	0.115390942	0.028497906	6.97231E-06	35.68905258	3.59541E-05	0.000626533	0.000397911
2102 Jun	171.5100403	0.089537777	0.092328653	0.002660895	21.37509155	0.040378582	67.71902466	0.001452374	0.000928247	5.33656E-06	0.008944039	0.003924995	0.108330011	0.026703635	6.90909E-06	31.32054901	3.49416E-05	0.000692308	0.000348838
2102 Jul	169.7580261	0.089762479	0.103943862	0.00292484	22.44744492	0.041873578	67.70515442	0.001552754	0.000949605	5.5361E-06	0.009082666	0.004260531	0.111696415	0.02732601	7.2672E-06	31.15324211	3.59363E-05	0.000754921	0.000343995
2102 Aug	172.5874634	0.088446215	0.099291027	0.002865189	22.21147346	0.043331206	68.38690948	0.001561438	0.000988457	5.69449E-06	0.009217678	0.004175763	0.111670338	0.027328441	7.36967E-06	31.58953094	3.55837E-05	0.000734055	0.000343477
2102 Sep	169.1425934	0.087609813	0.091141596	0.002708046	21.38948059	0.043581743	66.31911469	0.001518626	0.000996002	5.66948E-06	0.009163852	0.003944664	0.107312731	0.026527112	7.22624E-06	31.01536369	3.42705E-05	0.000690191	0.000331576
2102 Oct	160.1094208	0.090840258	0.080727398	0.002457812	20.15399933	0.042508267	62.21724319	0.001408904	0.0094671	5.34758E-06	0.008875819	0.00360223	0.099408038	0.025015449	6.74803E-06	29.50851822	3.20629E-05	0.000626272	0.000311134
2102 Nov	163.5696716	0.091488115	0.080589019	0.002455979	20.18095016	0.042639706	63.87397766	0.001408943	0.0009475	5.35214E-06	0.008941343	0.003615756	0.101385802	0.025065958	6.76446E-06	29.90068817	3.24619E-05	0.000626412	0.000314295
2102 Dec	165.1486511	0.091498435	0.080542624	0.002455048	20.17613029	0.042639613	64.64499664	0.001408646	0.000947508	5.35254E-06	0.008963612	0.003621601	0.10231261	0.025074521	6.77056E-06	30.06860542	3.26456E-05	0.000626442	0.000315717
2103 Jan	165.2579193	0.091519251	0.080532193	0.002454894	20.17938614	0.042643059	64.69016266	0.001408704	0.000947662	5.35323E-06	0.00896595	0.003621968	0.102362938	0.025083184	6.77141E-06	30.08532906	3.26583E-05	0.000626467	0.000315937
2103 Feb	165.3359222	0.091570817	0.080564678	0.002455865	20.19215393	0.042660549	64.7131424	0.001409338	0.000948148	5.35586E-06	0.008969924	0.003623618	0.102397196	0.025103636	6.7745E-06	30.10484886	3.26724E-05	0.000626789	0.000316242
2103 Mar	165.5162048	0.091675214	0.080649503	0.002458441	20.21593857	0.042705622	64.77957153	0.001410858	0.000949203	5.36176E-06	0.008979563	0.003627536	0.102501161	0.025135709	6.78182E-06	30.14057732	3.27073E-05	0.000627486	0.000316672
2103 Apr	166.4625092	0.092201985	0.081108883	0.002472438	20.3325367	0.042948958	65.14756775	0.001418915	0.000954642	5.39244E-06	0.009030822	0.003648258	0.103082791	0.025282117	6.82056E-06	30.31456757	3.28939E-05	0.000631082	0.000318532
2103 May	173.6083221	0.093845718	0.083944738	0.002496474	21.73228836	0.04151183	66.56639862	0.001431043	0.000958487	5.42204E-06	0.009014267	0.003784546	0.104396112	0.028426876	6.87428E-06	32.83349228	3.39137E-05	0.000666869	0.000379554
2103 Jun	173.9152069	0.094297513	0.103813723	0.002839265	23.56982994	0.040057879	68.41213226	0.001507447	0.000896072	5.2722E-06	0.008696632	0.004339596	0.111593165	0.029995823	7.01615E-06	33.23178101	3.52644E-05	0.000778784	0.00039803
2103 Jul	177.7967987	0.090665959	0.102697313	0.002870658	23.00518608	0.041620761	70.88730621	0.001548356	0.000938508	5.48373E-06	0.008985243	0.00435409	0.115064427	0.029032027	7.24591E-06	33.016922	3.60813E-05	0.000768899	0.000379163
2103 Aug	168.35849	0.079989091	0.08845675	0.002607905	20.93858337	0.042309947	66.57202911	0.001478344	0.000956328	5.46387E-06	0.008549009	0.003944322	0.106362857	0.02700055	7.01605E-06	31.13056374	3.24992E-05	0.000675355	0.000346967
2103 Sep	174.600708	0.08740443	0.087324448	0.002573458	21.01737785	0.043015454	69.85569	0.001454707	0.000934993	5.35579E-06	0.008721233	0.003934893	0.110208921	0.02660005	6.92959E-06	31.66790771	3.30449E-05	0.000671292	0.000343096
2103 Oct	176.4971313	0.100508153	0.095076084	0.002706331	22.17890167	0.044330858	71.63957977	0.001475574	0.000895292	5.22648E-06	0.008885933	0.004160854	0.114465572	0.026917068	6.93497E-06	31.9734478	3.38255E-05	0.00071704	0.000339321
2103 Nov	178.1539612	0.102650918	0.096408598	0.002730268	22.37337112	0.044597723	72.60827637	0.001481049	0.000889587	5.21091E-06	0.008936616	0.00420937	0.116042122	0.026988836	6.94949E-06	32.17010498	3.41215E-05	0.000725631	0.000339734
2103 Dec	179.5822296	0.102628112	0.096300028	0.002727934	22.35851669	0.044584353	73.30680084	0.001480175	0.000889428	5.20993E-06	0.008955543	0.004212579	0.116864353	0.02698593	6.95281E-06	32.31729507	3.42828E-05	0.000725246	0.00034094
2104 Jan	179.6320953	0.102637485	0.096269839	0.0027273	22.35901833	0.044582147	73.32236481	0.001480029	0.000889513	5.2101E-06	0.008956432	0.004212052	0.116872676	0.026992172	6.95262E-06	32.32698059	3.42866E-05	0.000725143	0.000341109
2104 Feb	179.6560822	0.102661334	0.096274175	0.002727416	22.36604118	0.044585101	73.32206726	0.001480196	0.000889705	5.21103E-06	0.008957434	0.004212492	0.116869494	0.02700673	6.95348E-06	32.33810043	3.42897E-05	0.000725265	0.000341352
2104 Mar	179.8626709	0.102784872	0.096380278	0.002730419	22.39394379	0.044634748	73.40092468	0.001481882	0.000890768	5.21715E-06	0.00896763	0.004217269	0.11699374	0.02704371	6.96144E-06	32.37896347	3.43283E-05	0.000726113	0.000341852
2104 Apr	181.4967651	0.103719182	0.097250894	0.00275508	22.59806252	0.045038223	74.06508636	0.001495299	0.00089886	5.26449E-06	0.009048879	0.00425546	0.118050687	0.027292097	7.0245E-06	32.67487335	3.46394E-05	0.0007327	0.000345013
2104 May	176.283371	0.10030397	0.093611032	0.002641621	23.42110062	0.041766085	68.30313873	0.001472656	0.000914855	5.29156E-06	0.008817542	0.004158084	0.10870143	0.030659169	6.92306E-06	34.19951248	3.41506E-05	0.00073865	0.00041004
2104 Jun	172.1069183	0.093615726	0.102789365	0.00280064	23.40606308	0.03984699	68.31816101	0.001508153	0.000875854	5.17459E-06	0.008561425	0.004390479	0.111609742	0.029991589	6.95991E-06	33.07469177	3.48283E-05	0.000787242	0.000395033
2104 Jul	176.6995544	0.091137737	0.100777276	0.002815173	23.13899422	0.041272305	70.24391937	0.001550567	0.000931102	5.43707E-06	0.008920585	0.004386584	0.113898434	0.029821115	7.21263E-06	33.43844604	3.58211E-05	0.000778325	0.000390725
2104 Aug	178.2472839	0.087960176	0.094140157	0.002711329	22.48176575	0.042343464	70.48873138	0.001537794	0.000963074	5.54514E-06	0.008960033	0.004225531	0.112782948	0.029301271	7.23295E-06	33.46954727	3.50336E-05	0.000741212	0.000383964
2104 Sep	171.7085876	0.086076252	0.082850032	0.002473574	20.94870377	0.042042755	67.55298615	0.00144645	0.000942851	5.35851E-06	0.008702165	0.003856828	0.106598713	0.027255801	6.88083E-06	31.95359993	3.27091E-05	0.000670303	0.000354348
2104 Oct	173.3997498	0.095618233	0.087105721	0.002541444	21.4224987	0.043163296	69.56498718	0.001445654	0.000904301	5.20916E-06	0.008795973	0.003980948	0.11011114	0.026841946	6.82329E-06	31.83545876	3.31128E-05	0.000689194	0.000342332
2104 Nov	174.8013763	0.098305158	0.089577533	0.002589034	21.73184776	0.043641116	70.56361389	0.001457708	0.000897223	5.19565E-06	0.008846017	0.004060595	0.111980624	0.026940873	6.8563E-06	31.98981285	3.34245E-05	0.000702872	0.000341632
2104 Dec	176.1135254	0.098308034	0.089518934	0.00258787	21.72509193	0.043639034	71.20343018	0.001457321	0.00089724	5.19588E-06	0.008864589	0.004064808	0.112744585	0.026945213	6.86095E-06	32.12818527	3.35764E-05	0.000702771	0.00034279
2105 Jan	176.8717041	0.098277055	0.089459769	0.002586324	21.71678543	0.04361932	71.57359314	0.001456595	0.000896933	5.19421E-06	0.008872543	0.004066308	0.113176107	0.026945964	6.86149E-06	32.2076149	3.3659E-05	0.000702549	0.000343524
2105 Feb	176.9533081	0.098300323	0.089466713	0.002586514	21.72336006	0.043623261	71.60309601	0.001456784	0.000897121	5.19518E-06	0.008874439	0.004067068	0.113210648	0.026959395	6.86268E-06	32.22388077	3.36693E-05	0.000702685	0.000343789
2105 Mar	177.0294495	0.098343261	0.089498021	0.002587413	21.73363495	0.043633851	71.6300354	0.001457335	0.0008975	5.1973E-06	0.008877891	0.00406863	0.11325071	0.026974831	6.86534E-06	32.24022675	3.36826E-05	0.000702971	0.000344018
2105 Apr	177.9068909	0.098832928	0.089939192	0.002600164	21.8422966	0.043854147	71.98257446	0.001464543	0.000901962	5.22308E-06	0.008921807	0.004088751	0.113807239	0.027111206	6.89931E-06	32.40169144	3.38491E-05	0.000706459	0.000345773
2105 May	175.0890198	0.097106442	0.088909939	0.002541154	22.82083511	0.041182093	67.96039581	0.001453246	0.00091077	5.23855E-06	0.00873649	0.004068382	0.107323423	0.030235047	6.83807E-06	33.96371078	3.37213E-05	0.000722434	0.000405245
2105 Jun	171.4514313	0.095107861	0.095237628	0.002647485	23.80005646	0.039605487	65.61133575	0.001493041	0.000909283	5.27214E-06	0.008624969	0.004251065	0.105659343	0.032062944	6.93457E-06	34.46783829	3.42787E-05	0.000770518	0.000432852
2105 Jul	175.6996155	0.091924585	0.091485858	0.002616904	23.40122604	0.040801045	67.20880127	0.001514472	0.000957094	5.48249E-06	0.008856079	0.004193385	0.10686665	0.031941202	7.10499E-06	34.86359024	3.46802E-05	0.000749782	0.000431988
2105 Aug	172.7620697	0.083699785	0.082266122	0.002435114	21.41900444	0.04123896	67.35166931	0.001440657	0.000936209	5.31716E-06	0.008455512	0.003900188	0.10539487	0.028885346	6.83789E-06	33.00452423	3.2185E-05	0.000678856	0.000385675
2105 Sep	185.0189362	0.094250932	0.090487979	0.002591554	21.95277977	0.043575734	75.79052734	0.001466935	0.000887867	5.16571E-06	0.008710253	0.004188133	0.11866992	0.027606379	6.90538E-06	33.42433929	3.38268E-05	0.000720178	0.000359704
2105 Oct	188.8798523	0.100753531	0.0951159	0.002677479	22.38094711	0.044322565	78.63666534	0.001487045	0.000866062	5.10546E-06	0.0088915	0.004352564	0.123596258	0.027468232	6.95117E-06	33.63393784	3.49258E-05	0.000746873	0.000353797
2105 Nov	187.7350616	0.102424048	0.095836356	0.002691466	22.44832039	0.044549346	78.27962494	0.001491154	0.000862034	5.09394E-06	0.008918356	0.004374924	0.123457797	0.027391478	6.95234E-06	33.45648956	3.4934E-05	0.00075123	0.000349991
2105 Dec	188.5434113	0.102411464	0.095736086	0.002689415	22.43551636	0.044540588	78.67198944	0.001490416	0.000861996	5.09332E-06	0.008929542	0.004375507	0.123909235	0.027385559	6.95354E-06	33.53825378	3.50235E-05	0.000750768	0.000350635
2106 Jan	188.5792389	0.102418944	0.095703065	0.002688716	22.43550301	0.044537362	78.68034363	0.001490226	0.000862074	5.09342E-06	0.008930146	0.004374766	0.123907641	0.027391138	6.95316E-06	33.54615402	3.50253E-05	0.000750633	0.000350791
2106 Feb	188.5904999	0.10243199	0.095697008	0.00268854	22.44017029	0.04453551	78.67510223	0.001490231	0.000862175	5.09381E-06	0.008930288	0.004374762	0.123895295	0.027402952	6.9533E-06	33.55456161	3.50255E-05	0.000750675	0.000351006
2106 Mar	188.6940918	0.102494396	0.095745355	0.002689896	22.45483017	0.04455854	78.71257782	0.001491039	0.000862695	5.09676E-06	0.008935127	0.0043771	0.123952851	0.027424151	6.95711E-06	33.57679367	3.5044E-05	0.000751102	0.000351309
2106 Apr	189.9246979	0.103166364	0.096367359	0.002707369	22.60261154	0.044848315	79.22262573	0.001500757	0.000868348	5.1301E-06	0.008993361	0.00440561	0.124755211	0.02760653	7.00247E-06	33.79795074	3.52721E-05	0.000756009	0.000353663
2106 May	190.5032349	0.102730535	0.094376303	0.002664607	23.00737	0.044049136	77.89619446	0.00150058	0.000889808	5.21184E-06	0.009038626	0.004366374	0.122086421	0.0291113	7.02776E-06	34.78848648	3.54811E-05	0.000756458	0.000382839
2106 Jun	170.1797485	0.089133695	0.096976742	0.002687866	22.30468369	0.039678197	68.71260071	0.001507766	0.000870447	5.13393E-06	0.008579637	0.004353717	0.111975133	0.028732885	6.92754E-06	32.25772095	3.47454E-05	0.000775827	0.000371976
2106 Jul	176.1535797	0.085225746	0.095695347	0.00273065	21.81913376	0.041353986	71.79804993	0.001564609	0.000932281	5.43953E-06	0.009026001	0.004378317	0.116219476	0.028038669	7.24918E-06	32.40960312	3.62102E-05	0.000768696	0.000358205
2106 Aug	169.4525909	0.075520687	0.08049392	0.002432099	19.70664787	0.041365884	68.46523285	0.001462079	0.00093557	5.33357E-06	0.008544275	0.00389768	0.108248293	0.025848722	6.90638E-06	30.80104637	3.2644E-05	0.000665809	0.000329906
2106 Sep	180.0149384	0.085301705	0.083854094	0.002472143	20.44239426	0.043003231	74.38127136	0.001451557	0.000892798	5.16028E-06	0.008588394	0.004044046	0.116519704	0.025828829	6.84398E-06	31.96530724	3.30063E-05	0.000688218	0.00033022
2106 Oct	190.5034485	0.091401398	0.086294249	0.002514472	20.89654541	0.043587666	79.75045013	0.001460218	0.000880421	5.126E-06	0.008842928	0.004170744	0.123648368	0.026148438	6.89469E-06	33.19171906	3.45989E-05	0.000705604	0.000339602
2106 Nov	192.8330841	0.091747105	0.086506501	0.002521021	20.95576096	0.043721374	80.84899902	0.001464183	0.000882948	5.14126E-06	0.008895529	0.004189826	0.125052512	0.026235893	6.92168E-06	33.47803879	3.49106E-05	0.00070777	0.00034218
2106 Dec	193.8485718	0.09175235	0.08646594	0.002520224	20.9513092	0.043720003	81.34358978	0.001463907	0.000882971	5.14151E-06	0.008909996	0.00419317	0.125643745	0.026240086	6.92538E-06	33.58549881	3.50287E-05	0.000707712	0.000343087
2107 Jan	193.9148102	0.091763176	0.086452693	0.002519967	20.95255661	0.043720212	81.37007141	0.001463866	0.00088305	5.14179E-06	0.008911269	0.004193136	0.125670627	0.026245056	6.92564E-06	33.59564209	3.50358E-05	0.000707681	0.000343229
2107 Feb	194.0197296	0.091802396	0.086478978	0.002520725	20.96243095	0.043733839	81.41061401	0.001464362	0.000883403	5.14375E-06	0.008914806	0.004194709	0.125725582	0.02626113	6.92819E-06	33.61542892	3.50516E-05	0.000707953	0.000343502
2107 Mar	194.3031158	0.091931447	0.086594708	0.002524093	20.99239731	0.043792553	81.52751923	0.00146635	0.000884631	5.15085E-06	0.00892717	0.004200479	0.125902146	0.026300685	6.93771E-06	33.66549683	3.51012E-05	0.000708931	0.000344053
2107 Apr	194.9387817	0.092231989	0.086874478	0.002532245	21.06130981	0.04393414	81.79269409	0.001471104	0.000887516	5.16762E-06	0.008956181	0.004214113	0.126310304	0.026388129	6.96023E-06	33.77656174	3.52155E-05	0.000711238	0.000345211
2107 May	188.9855804	0.092928082	0.08796557	0.002535429	21.85948944	0.042783465	77.44136047	0.001478	0.000893812	5.19529E-06	0.008845742	0.004234707	0.120592989	0.028286664	6.95084E-06	34.25287247	3.48293E-05	0.000729505	0.000374972
2107 Jun	168.6045685	0.089862578	0.090594418	0.002549569	22.8253994	0.039247125	65.51092529	0.001491239	0.000896879	5.20956E-06	0.008524806	0.004240354	0.105775088	0.031005554	6.88394E-06	33.63055038	3.38466E-05	0.000764373	0.000413076
2107 Jul	168.2560883	0.08292821	0.082814343	0.002432333	21.6017189	0.039583229	65.11728668	0.001473746	0.000935514	5.33961E-06	0.008580012	0.004020285	0.103454471	0.029896773	6.90025E-06	33.04433823	3.33206E-05	0.000712124	0.000399018
2107 Aug	177.3220978	0.08238747	0.080928482	0.00243665	21.66334534	0.04137402	68.9079895	0.001504741	0.000981587	5.56654E-06	0.008869211	0.004037552	0.10778629	0.030237984	7.11734E-06	34.21134186	3.40971E-05	0.000704831	0.000406375
2107 Sep	184.3234711	0.084025659	0.074372321	0.002314317	20.93052864	0.0417201	72.0892868	0.001463859	0.000986615	5.53305E-06	0.009058489	0.003867174	0.110089853	0.029331706	7.02874E-06	34.59552002	3.44512E-05	0.000665237	0.000400234
2107 Oct	184.1745605	0.086760312	0.070469096	0.002220898	20.19295692	0.041587137	72.76564026	0.001411338	0.000956268	5.35772E-06	0.009024717	0.003728413	0.110035926	0.027896181	6.8152E-06	33.87253952	3.40153E-05	0.000634854	0.000380167
2107 Nov	181.664856	0.088629901	0.070693396	0.002220426	20.13202667	0.041808143	71.95289612	0.001403715	0.000944004	5.30126E-06	0.008991278	0.003719204	0.109200776	0.027480766	6.76112E-06	33.3857193	3.36679E-05	0.000633368	0.000370504
2107 Dec	183.7949829	0.088583276	0.070604205	0.00221813	20.11370277	0.041780822	73.00548553	0.001402478	0.000943387	5.29847E-06	0.009016972	0.003725586	0.110457048	0.027475357	6.76575E-06	33.60263443	3.39092E-05	0.000633096	0.000372281
2108 Jan	184.4616241	0.088577725	0.070573457	0.002217317	20.11077309	0.041771255	73.32872772	0.001402089	0.000943244	5.29779E-06	0.009024986	0.003727559	0.11083933	0.02748044	6.76722E-06	33.6746788	3.39839E-05	0.000633036	0.000372956
2108 Feb	184.6061554	0.088591792	0.070573099	0.002217276	20.11527252	0.041770849	73.39077759	0.001402131	0.000943334	5.29824E-06	0.009027074	0.003728304	0.110911243	0.02749175	6.76807E-06	33.69627762	3.40004E-05	0.000633122	0.000373259
2108 Mar	184.8993835	0.088733561	0.070679717	0.002220611	20.14818001	0.041833885	73.50387573	0.001404277	0.000944812	5.30648E-06	0.009040984	0.00373406	0.111079596	0.027538985	6.7785E-06	33.75208664	3.40531E-05	0.000634115	0.000373929
2108 Apr	187.1890259	0.08986152	0.071546473	0.002247773	20.40785027	0.042346757	74.39208984	0.001421645	0.000956667	5.37275E-06	0.009152571	0.003780247	0.112416282	0.027904756	6.86242E-06	34.18517685	3.44719E-05	0.000642067	0.000378996

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 May	191.3455963	0.092134565	0.072721869	0.002287123	21.01005363	0.043119799	75.60391998	0.001452056	0.000982053	5.50631E-06	0.009356417	0.003855105	0.114090621	0.028961211	7.01435E-06	35.21561432	3.52187E-05	0.000656827	0.000395518
2108 Jun	157.5578308	0.079266235	0.076133169	0.002312442	19.89561272	0.038298327	61.01599121	0.001432588	0.000930472	5.27194E-06	0.008671326	0.003751907	0.097666971	0.027065201	6.72709E-06	30.43319702	3.30867E-05	0.000667605	0.000351038
2108 Jul	167.7375031	0.080238082	0.080150716	0.002453718	20.50679588	0.040261917	65.68123627	0.001523797	0.000991964	5.61686E-06	0.009262456	0.003958575	0.105025724	0.02774303	7.16829E-06	31.74224854	3.56193E-05	0.00070081	0.000357934
2108 Aug	181.950531	0.083344087	0.081679165	0.002542321	21.34921646	0.042997297	71.50561523	0.001598352	0.001058581	5.96415E-06	0.009820486	0.004117534	0.112847038	0.029034205	7.57679E-06	33.94712067	3.75926E-05	0.000722327	0.000378108
2108 Sep	186.8056641	0.08336854	0.076127857	0.002431089	20.70715714	0.043100446	73.70858765	0.0015564	0.001056388	5.91047E-06	0.009848314	0.003964189	0.114125937	0.02829116	7.46261E-06	34.1818428	3.73978E-05	0.000687471	0.000373682
2108 Oct	163.9267273	0.08451993	0.05816349	0.002022914	18.16525078	0.041190315	62.89224243	0.001367161	0.000992472	5.4411E-06	0.009255099	0.003259471	0.095900431	0.02490003	6.65756E-06	30.34647369	3.26593E-05	0.000559232	0.000321687
2108 Nov	161.0116425	0.085209176	0.055386726	0.001963561	17.83867836	0.041094303	61.42047119	0.001342046	0.000987001	5.39105E-06	0.009204901	0.003156914	0.093334168	0.024477052	6.55617E-06	29.88038445	3.20357E-05	0.000540356	0.000315047
2108 Dec	162.5767975	0.085209079	0.055344738	0.001962574	17.83217621	0.041088372	62.18841934	0.001341561	0.000986818	5.39052E-06	0.009225624	0.003162558	0.094257146	0.024481984	6.56134E-06	30.04458618	3.22156E-05	0.000540349	0.000316426
2109 Jan	162.6819153	0.085224822	0.055334397	0.001962347	17.83453369	0.041088749	62.23298264	0.001341519	0.000986883	5.39076E-06	0.009227263	0.003162788	0.094306014	0.024489084	6.56172E-06	30.05994415	3.22266E-05	0.000540347	0.000316634
2109 Feb	162.7351074	0.085257597	0.055347513	0.001962758	17.84309196	0.041097347	62.24663925	0.001341859	0.000987183	5.39232E-06	0.009229562	0.003163692	0.094323374	0.024504827	6.56345E-06	30.07455254	3.2235E-05	0.000540536	0.00031689
2109 Mar	163.0105133	0.085406676	0.055439841	0.001966002	17.87521935	0.041165289	62.34790039	0.00134411	0.000988866	5.40146E-06	0.009244964	0.003169034	0.09447559	0.02455109	6.57447E-06	30.12836647	3.22887E-05	0.000541469	0.000317513
2109 Apr	164.3814545	0.086130314	0.055905014	0.001982469	18.02761841	0.041510068	62.86800766	0.001355401	0.0009972	5.44694E-06	0.009322532	0.003195688	0.095262565	0.024762586	6.62971E-06	30.38480377	3.25595E-05	0.000546045	0.000320273
2109 May	165.3177032	0.088808097	0.064828023	0.002121175	20.02120972	0.040691972	62.09415054	0.001400745	0.000985558	5.45182E-06	0.009135081	0.003495849	0.095677689	0.028099496	6.7369E-06	32.23679352	3.29244E-05	0.000615722	0.000373191
2109 Jun	168.1456757	0.091746859	0.082748353	0.002426749	23.06897354	0.039746623	62.75381088	0.001502157	0.000961879	5.47365E-06	0.008908944	0.004092779	0.100236654	0.032592356	7.00659E-06	34.71671295	3.42336E-05	0.000744614	0.000440179
2109 Jul	172.1060028	0.083915114	0.075835288	0.002320126	21.66546249	0.040056117	65.11691284	0.001478119	0.000985864	5.54214E-06	0.008922439	0.003907501	0.101574592	0.031020332	7.00138E-06	34.26784134	3.399E-05	0.000692446	0.000421983
2109 Aug	178.6826324	0.078476876	0.071222626	0.002264814	20.77821541	0.041683536	68.78882599	0.001475353	0.001013254	5.64915E-06	0.008942994	0.003821464	0.105145335	0.029933697	7.07957E-06	34.34647369	3.35961E-05	0.000654973	0.000407949
2109 Sep	185.841507	0.082841992	0.070164166	0.002231003	20.38991737	0.042236209	73.33023834	0.001443932	0.000981013	5.49339E-06	0.009026862	0.003805408	0.110863961	0.028618943	6.96273E-06	34.41400146	3.40463E-05	0.000644458	0.000390675
2109 Oct	188.674942	0.098414704	0.085050702	0.002504678	21.85551262	0.044824786	77.61452484	0.001510585	0.000913627	5.31334E-06	0.009214876	0.004295157	0.121207774	0.028152369	7.07804E-06	34.17392731	3.53637E-05	0.000733458	0.000363617
2109 Nov	191.6695862	0.09969265	0.085854635	0.002522975	21.98115349	0.045141473	79.15965271	0.001518345	0.000913941	5.32493E-06	0.009295607	0.004338937	0.123406626	0.028218498	7.1164E-06	34.50685501	3.58069E-05	0.000739684	0.000365108
2109 Dec	193.455368	0.099683888	0.085795142	0.002521707	21.97260666	0.045134034	80.03302002	0.001517802	0.000913851	5.32479E-06	0.009319855	0.004345001	0.124453187	0.028224098	7.12253E-06	34.69442368	3.60135E-05	0.000739614	0.00036669
2110 Jan	193.6957397	0.099709876	0.08579094	0.002521742	21.97705841	0.045140333	80.14141083	0.001517952	0.000914072	5.32592E-06	0.009324463	0.004346128	0.124582179	0.028234988	7.12438E-06	34.72573853	3.60426E-05	0.000739698	0.000367036
2110 Feb	193.8005676	0.09975335	0.085816532	0.002522482	21.98793221	0.04515411	80.18002319	0.001518465	0.000914448	5.32799E-06	0.009328108	0.004347737	0.124634057	0.028253336	7.12701E-06	34.74688721	3.60586E-05	0.000739985	0.000367346
2110 Mar	194.0288239	0.099875711	0.085915327	0.00252538	22.01561165	0.045206275	80.27029419	0.001520246	0.000915557	5.33438E-06	0.009339038	0.004352821	0.124773316	0.028291121	7.1354E-06	34.79058456	3.61005E-05	0.00074087	0.000367859
2110 Apr	195.0110626	0.100384109	0.086348958	0.002538122	22.12808418	0.045434538	80.67425537	0.001527938	0.000920211	5.36144E-06	0.009386281	0.004374835	0.125400633	0.028436925	7.17152E-06	34.96829605	3.62829E-05	0.000744628	0.000369767
2110 May	199.2678375	0.10078454	0.086983792	0.002549186	22.59941673	0.045156974	81.88786316	0.001540571	0.000932339	5.42413E-06	0.009473602	0.004426582	0.126783907	0.029562714	7.24326E-06	36.05000305	3.69784E-05	0.000756981	0.000391923
2110 Jun	180.2708435	0.089702353	0.092834607	0.002625029	22.70313072	0.040826466	72.69767761	0.001571323	0.000911372	5.37619E-06	0.009015224	0.004553476	0.117825918	0.030500052	7.21306E-06	34.35431671	3.64922E-05	0.000807621	0.000400742
2110 Jul	180.4417572	0.085180186	0.089136459	0.002600292	21.98323631	0.041657969	72.69364929	0.00159167	0.000958112	5.58009E-06	0.009242721	0.004458982	0.117303252	0.029700564	7.36586E-06	33.92140579	3.68087E-05	0.000782816	0.000386419
2110 Aug	180.3151093	0.082423165	0.085218795	0.0025159	21.082201	0.044563599	74.54521942	0.00154346	0.000921856	5.58626E-06	0.008656347	0.004362754	0.119295835	0.027534509	7.16358E-06	32.83053589	3.31938E-05	0.000742025	0.000346132
2110 Sep	189.637146	0.093763418	0.08846388	0.002564599	21.70843315	0.045440074	79.69895935	0.001552464	0.000892997	5.28616E-06	0.009001602	0.004531158	0.126825899	0.02770751	7.17819E-06	33.88658142	3.4968E-05	0.000771005	0.000348865
2110 Oct	189.5373535	0.102289923	0.090358064	0.002594513	22.07761765	0.04595324	80.0565567	0.001560987	0.000876157	5.22698E-06	0.009226204	0.004616348	0.127980098	0.027807392	7.17093E-06	33.90776443	3.5741E-05	0.000787967	0.000345409
2110 Nov	191.418869	0.102590941	0.090776727	0.002598568	22.07770538	0.04586282	81.15892029	0.001560453	0.000870136	5.20303E-06	0.009238593	0.004641319	0.129485875	0.027774017	7.16706E-06	34.06908035	3.60043E-05	0.000791258	0.000346162
2110 Dec	193.2422638	0.102555007	0.090658002	0.002595966	22.05984497	0.045842174	82.04984283	0.00155926	0.000869895	5.20159E-06	0.009262042	0.004645271	0.13053374	0.027769897	7.17108E-06	34.25625229	3.621E-05	0.000790751	0.000347718
2111 Jan	193.8835907	0.10253837	0.090606973	0.002594719	22.05479622	0.045827795	82.35747528	0.001558679	0.000869763	5.20072E-06	0.009269347	0.00464632	0.1308887	0.027774142	7.17185E-06	34.32572174	3.62801E-05	0.00079054	0.000348397
2111 Feb	194.0492401	0.102544665	0.090596303	0.002594404	22.05798531	0.045823	82.42883301	0.001558578	0.000869805	5.20083E-06	0.009271177	0.004646749	0.130967602	0.027785171	7.17226E-06	34.3495636	3.62976E-05	0.000790558	0.000348739
2111 Mar	194.5186615	0.10279078	0.090804793	0.00260037	22.11193275	0.045928806	82.62355042	0.001562211	0.000871886	5.21317E-06	0.009293007	0.004657614	0.131272703	0.027856292	7.18909E-06	34.43527985	3.63836E-05	0.000792423	0.000349677
2111 Apr	196.3313446	0.103752263	0.091649026	0.002624543	22.31934547	0.046356022	83.39022827	0.001576762	0.000880039	5.26184E-06	0.009379567	0.004700975	0.132489979	0.028119329	7.25608E-06	34.7583046	3.67222E-05	0.000799815	0.000352998
2111 May	192.8376617	0.10290987	0.090983093	0.002603424	22.92959785	0.045296002	79.95361328	0.001581353	0.000899962	5.34005E-06	0.009327721	0.004674809	0.127400607	0.029937943	7.27445E-06	35.483078	3.65035E-05	0.000807389	0.000384377
2111 Jun	174.4240417	0.089864291	0.0894631	0.002525014	22.6787281	0.039980989	69.61977386	0.001551166	0.000890899	5.25388E-06	0.008754495	0.004526426	0.113440864	0.031301454	7.06607E-06	34.32963562	3.51792E-05	0.000808952	0.000411625
2111 Jul	186.5582581	0.090469599	0.089882679	0.002594053	23.08909607	0.041792635	74.59391785	0.001619998	0.000959529	5.60172E-06	0.009347018	0.004634448	0.119962245	0.032147065	7.45384E-06	36.03005219	3.75043E-05	0.000821983	0.000426418
2111 Aug	173.9966583	0.078282505	0.074752428	0.002289838	20.27030563	0.041551545	69.61876678	0.001484023	0.000936589	5.35594E-06	0.008609386	0.004048818	0.109891556	0.028220832	6.9513E-06	32.81296921	3.27537E-05	0.000697247	0.000368057
2111 Sep	188.7435913	0.082431212	0.076194726	0.002315155	20.32069588	0.043108266	77.94667816	0.001481946	0.000913473	5.26975E-06	0.008758384	0.004162406	0.121049486	0.027386488	6.97545E-06	33.91115952	3.37906E-05	0.000706118	0.000359167
2111 Oct	191.1368561	0.092828065	0.084376454	0.002459674	21.21780586	0.04416842	80.69979095	0.001520797	0.000872834	5.15435E-06	0.008948671	0.004462534	0.127002999	0.027530707	7.03786E-06	34.05317688	3.50959E-05	0.000759507	0.000351951
2111 Nov	192.5680389	0.097007021	0.086775228	0.00250163	21.48229408	0.044611573	81.96862793	0.001532135	0.000858398	5.11083E-06	0.009044815	0.004559976	0.129392117	0.027509566	7.05478E-06	34.1349678	3.56296E-05	0.000775993	0.000348618
2111 Dec	194.286438	0.097048722	0.086614512	0.002498422	21.46257401	0.044604715	82.80337524	0.001530812	0.00085833	5.10988E-06	0.00907032	0.004562209	0.130361661	0.027499879	7.05822E-06	34.3095665	3.5825E-05	0.000775209	0.000349971
2112 Jan	194.9968414	0.097031862	0.086556546	0.002496998	21.45682526	0.044588093	83.14370728	0.001530131	0.000858171	5.10882E-06	0.009078365	0.004563268	0.130753472	0.027504401	7.05893E-06	34.38644409	3.59025E-05	0.000774957	0.000350726
2112 Feb	195.5520325	0.097049348	0.086552747	0.002496872	21.462677	0.04458664	83.4028244	0.001530153	0.0008583	5.10959E-06	0.009086099	0.004565757	0.131062388	0.027522927	7.06159E-06	34.45444489	3.59669E-05	0.000775115	0.000351482
2112 Mar	196.3723602	0.097309791	0.086774476	0.002503259	21.52135277	0.044701129	83.76564789	0.001534121	0.000860589	5.12323E-06	0.00913973	0.004578974	0.131576911	0.027604271	7.08136E-06	34.58188248	3.60965E-05	0.000777208	0.000352814
2112 Apr	198.0297852	0.098092958	0.087466896	0.002523229	21.69516945	0.045058001	84.47428131	0.001546391	0.000867507	5.16437E-06	0.009188058	0.004615963	0.132674187	0.027829891	7.13841E-06	34.87030029	3.63951E-05	0.000783453	0.000355789
2112 May	194.3943329	0.097027913	0.086676814	0.002489625	22.44842148	0.043378681	80.54321289	0.001545061	0.000885175	5.22773E-06	0.009096556	0.004584866	0.126714215	0.030147118	7.12949E-06	35.87008286	3.62121E-05	0.000793319	0.000397724
2112 Jun	174.8411713	0.085287847	0.09216921	0.002558421	21.78190422	0.039595492	73.11345673	0.001557965	0.000836587	5.03975E-06	0.008555232	0.004684301	0.119945832	0.029159278	7.00565E-06	33.00259399	3.53837E-05	0.000828583	0.000372648
2112 Jul	183.1712646	0.080467112	0.088817395	0.002542411	20.9353199	0.040290993	77.4134903	0.001578531	0.000880801	5.23745E-06	0.008930645	0.00462533	0.124818735	0.02806196	7.19487E-06	33.22539902	3.69284E-05	0.000805527	0.000359963
2112 Aug	199.7372437	0.08058472	0.086143494	0.002525022	20.98098755	0.041890681	84.66525269	0.001595206	0.000922264	5.42435E-06	0.009297807	0.004631419	0.133087546	0.028383104	7.39178E-06	35.21601105	3.84083E-05	0.000794528	0.000374474
2112 Sep	214.4473724	0.078399219	0.076525539	0.002329196	19.75391769	0.041428354	91.40141296	0.00151023	0.000917734	5.31999E-06	0.009363465	0.004347092	0.138446882	0.02703885	7.18635E-06	36.23027802	3.87779E-05	0.000727915	0.000374619
2112 Oct	221.2962952	0.080003239	0.071093775	0.002208604	19.05133247	0.04096017	94.69293213	0.001450197	0.000901362	5.19317E-06	0.009419931	0.004175819	0.140682906	0.026154337	7.00172E-06	36.57139206	3.90459E-05	0.00068836	0.000372296
2112 Nov	226.7967987	0.080548353	0.070541069	0.00219562	18.99057961	0.040956583	97.39958191	0.001443097	0.000898458	5.17653E-06	0.00949399	0.004180308	0.143789247	0.026094941	6.99908E-06	37.11848831	3.96278E-05	0.000685122	0.000376237
2112 Dec	227.741394	0.080589324	0.070526831	0.002195637	18.9931736	0.040970966	97.85415649	0.001443295	0.000898793	5.17849E-06	0.009509742	0.004184313	0.144339472	0.026106641	7.00447E-06	37.22266006	3.97413E-05	0.000685251	0.00037713
2113 Jan	228.7111053	0.080561496	0.070477277	0.002194227	18.98490143	0.040949602	98.32926941	0.001442468	0.000898395	5.17648E-06	0.00952007	0.004186665	0.14489843	0.026107235	7.00553E-06	37.32345581	3.9848E-05	0.000685045	0.000378042
2113 Feb	228.8765717	0.080590919	0.070491679	0.002194653	18.99278259	0.040957876	98.39974213	0.001442802	0.000898664	5.17796E-06	0.009523775	0.004188128	0.144986108	0.026122404	7.00769E-06	37.34915161	3.98697E-05	0.000685256	0.000378377
2113 Mar	230.0584412	0.080927715	0.070780106	0.002203619	19.07266998	0.041125357	98.91828156	0.001448725	0.000902386	5.19945E-06	0.009566189	0.004206413	0.145718679	0.026236182	7.03756E-06	37.53120804	4.00615E-05	0.000688133	0.000380234
2113 Apr	231.9206085	0.081570536	0.071338773	0.002221005	19.22446632	0.041449923	99.71928406	0.001460172	0.000909535	5.24063E-06	0.009642371	0.004239846	0.146892443	0.026446428	7.09338E-06	37.83408737	4.0383E-05	0.000693589	0.000383325
2113 May	222.5939484	0.083160117	0.071880892	0.00221008	20.21994591	0.0403031	93.22945404	0.001461765	0.0009188	5.2726E-06	0.009469781	0.004225452	0.138114288	0.028773814	7.05391E-06	38.24666214	3.94216E-05	0.000709255	0.000418418
2113 Jun	181.83638	0.08543399	0.085597396	0.002431499	22.13206482	0.03899461	73.9278183	0.001537238	0.00087602	5.17003E-06	0.00873826	0.00454023	0.118245788	0.031058062	7.02062E-06	35.03080368	3.59549E-05	0.000807121	0.00041641
2113 Jul	184.0610199	0.081777327	0.081737407	0.002405618	21.64693642	0.040298238	74.48582458	0.001557068	0.000929381	5.40062E-06	0.008956432	0.004445761	0.118008055	0.030737337	7.19051E-06	35.09848022	3.60959E-05	0.000779615	0.000411119
2113 Aug	193.7464142	0.078986689	0.077047229	0.002345396	21.15004158	0.041474476	78.70291901	0.001551585	0.0009645	5.53569E-06	0.009127042	0.004345353	0.121898659	0.030373169	7.28098E-06	35.98220825	3.64457E-05	0.00074727	0.000412884
2113 Sep	192.6069183	0.079841033	0.069253109	0.002179734	19.9669857	0.041300815	78.41881561	0.001468763	0.000942264	5.35877E-06	0.00901758	0.004045502	0.119448803	0.028446518	6.98427E-06	35.00233841	3.52046E-05	0.000686976	0.00038816
2113 Oct	188.3569183	0.092485942	0.078548402	0.002329421	20.78159904	0.043010883	79.08970642	0.001495763	0.00086787	5.10146E-06	0.008987166	0.004367541	0.123822972	0.027676372	6.92676E-06	33.95509338	3.51691E-05	0.000745512	0.00035748
2113 Nov	189.0103149	0.095436811	0.079749525	0.002354273	20.96073151	0.043619789	79.70571899	0.001505589	0.000863028	5.09484E-06	0.009063278	0.004424477	0.125160053	0.027635135	6.95246E-06	33.98244095	3.53733E-05	0.000754924	0.000353668
2113 Dec	190.0271912	0.095479377	0.079699382	0.002353627	20.95913124	0.043633316	80.19242096	0.001505532	0.000863423	5.09677E-06	0.009080479	0.004427491	0.125738308	0.027642816	6.95749E-06	34.09264755	3.54934E-05	0.000754809	0.000354586
2114 Jan	190.4904938	0.095482737	0.079668574	0.002352924	20.95825005	0.043627415	80.41098022	0.001505235	0.000863436	5.0967E-06	0.00908647	0.004428455	0.125991106	0.027649937	6.9586E-06	34.1451683	3.55448E-05	0.000754708	0.000355122
2114 Feb	190.5403748	0.095500827	0.07966882	0.002352915	20.96395111	0.043627776	80.42429352	0.001505308	0.000863574	5.09733E-06	0.009087433	0.004428789	0.126002908	0.02766286	6.95919E-06	34.15805435	3.55502E-05	0.000754789	0.000355375
2114 Mar	190.9577637	0.09571667	0.079840757	0.002357983	21.0122776	0.043722063	80.59484863	0.001508595	0.000865511	5.10866E-06	0.009107269	0.004438427	0.1262687	0.027729401	6.97443E-06	34.2365303	3.56273E-05	0.000756457	0.00035626
2114 Apr	192.0329132	0.096259393	0.080288805	0.002371211	21.13196182	0.043967497	81.04538727	0.001517083	0.00087041	5.13751E-06	0.009158507	0.004463381	0.126973763	0.027888939	7.0137E-06	34.43138504	3.58275E-05	0.000760725	0.000358326
2114 May	191.2320709	0.094576634	0.082435951	0.002382864	22.14953423	0.042004921	78.87181854	0.001527674	0.000873921	5.16228E-06	0.009005001	0.004548862	0.124115162	0.030510288	7.03034E-06	35.81413269	3.60392E-05	0.000791584	0.000406185
2114 Jun	183.8652344	0.089418523	0.083062358	0.002380264	22.91916466	0.039261136	72.92404938	0.001547927	0.000902355	5.29208E-06	0.008899846	0.004555997	0.116345286	0.033161327	7.09109E-06	36.53607941	3.61886E-05	0.000815982	0.000452204
2114 Jul	197.1845093	0.089730725	0.082844041	0.002437401	23.30730057	0.041299935	78.39152527	0.001612396	0.000972591	5.64202E-06	0.009461655	0.004651287	0.123173393	0.034069367	7.47314E-06	38.4045942	3.83209E-05	0.000823507	0.000469211
2114 Aug	219.2898865	0.09282618	0.084531829	0.00252784	24.19494629	0.044013463	88.07326508	0.001689126	0.001038784	5.99357E-06	0.01012142	0.004860071	0.135723606	0.035560027	7.92201E-06	41.51852417	4.12407E-05	0.000848674	0.000498795
2114 Sep	210.3304596	0.088401571	0.068282411	0.002185151	21.42840004	0.042592864	84.19369507	0.001518169	0.001001132	5.65402E-06	0.009700426	0.004183907	0.12628524	0.031514719	7.29643E-06	38.70803452	3.79885E-05	0.000716446	0.000445918
2114 Oct	204.9077301	0.089535944	0.06042501	0.002001119	19.76306725	0.041646145	82.80400848	0.001409045	0.000949127	5.33126E-06	0.009478591	0.003841619	0.122368842	0.02861861	6.85321E-06	36.67492294	3.64711E-05	0.000645884	0.000405291
2114 Nov	202.2793121	0.093520135	0.067983381	0.002129931	20.1688652	0.042530198	83.82081604	0.001439969	0.000899573	5.17599E-06	0.009356569	0.004108763	0.12653406	0.027950151	6.8609E-06	35.8227005	3.64559E-05	0.000691814	0.000382503
2114 Dec	203.8432617	0.09367989	0.068300106	0.002135509	20.18945885	0.042569723	84.67229462	0.001441546	0.000897827	5.17182E-06	0.009375664	0.004127784	0.12769419	0.027946353	6.87009E-06	35.97233963	3.66549E-05	0.000694137	0.000383251
2115 Jan	204.5427399	0.093678474	0.068264097	0.00213462	20.18737793	0.042560022	85.0070343	0.001441114	0.000897757	5.17138E-06	0.009384286	0.004129545	0.128085732	0.027954217	6.87168E-06	36.04959869	3.67328E-05	0.000694028	0.000384009
2115 Feb	205.1181488	0.093690179	0.06825801	0.002134389	20.19213486	0.042555645	85.27719879	0.001441044	0.000897816	5.17178E-06	0.009391787	0.004131966	0.128406852	0.027971391	6.87403E-06	36.11891174	3.67988E-05	0.000694157	0.000384774
2115 Mar	205.5813599	0.093790479	0.068323068	0.002136401	20.21497536	0.042595904	85.48248291	0.00144245	0.000898748	5.17716E-06	0.009404516	0.004137171	0.12867716	0.028008338	6.88195E-06	36.18690491	3.6865E-05	0.000694912	0.000385525

Appendix D.2-12: A6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Apr	207.1763611	0.094519205	0.068849295	0.002152844	20.37274551	0.042923838	86.14247131	0.001453579	0.000905715	5.21723E-06	0.009477161	0.004169119	0.129668415	0.028228767	6.93511E-06	36.46963882	3.715E-05	0.000700292	0.000388582
2115 May	194.0057068	0.093227498	0.072573781	0.002192752	21.69037437	0.040950108	77.83518982	0.001475549	0.000908689	5.24726E-06	0.009144484	0.004255506	0.11967586	0.031185867	6.92907E-06	36.741539	3.60286E-05	0.000741031	0.000431041
2115 Jun	190.6860352	0.094630137	0.079662435	0.002335096	23.6736927	0.040653482	74.13265991	0.001563373	0.000947474	5.49416E-06	0.009237728	0.004539233	0.116729446	0.034937482	7.23425E-06	38.40120697	3.68167E-05	0.000813386	0.000483913
2115 Jul	194.7535858	0.093266025	0.078025915	0.002358281	23.7284584	0.0426866	75.37194824	0.00160741	0.001008183	5.78003E-06	0.009527015	0.004539526	0.117886148	0.035324007	7.49736E-06	39.03516388	3.72191E-05	0.000803699	0.000487239
2115 Aug	177.0921326	0.07928852	0.063168295	0.002055439	20.47763443	0.041537061	68.30215454	0.001454732	0.00097476	5.47351E-06	0.008704254	0.003876466	0.105265535	0.030495714	6.90894E-06	34.75964737	3.21743E-05	0.000669084	0.000413707
2115 Sep	189.7275391	0.079055704	0.061250459	0.00201841	19.8562851	0.042278457	75.47584534	0.00142988	0.000958118	5.38915E-06	0.008793547	0.003855424	0.114139356	0.028993124	6.86812E-06	35.29809189	3.28987E-05	0.000652862	0.000397973
2115 Oct	203.2069397	0.082918577	0.063623145	0.002058238	19.96969604	0.042631067	82.95166779	0.001437397	0.000937823	5.32625E-06	0.009051681	0.004005126	0.124244891	0.028711142	6.91967E-06	36.45458984	3.49165E-05	0.00067025	0.000400168
2115 Nov	205.2928162	0.089049451	0.07000728	0.002177537	20.57286263	0.043559473	85.34989166	0.001478721	0.000911948	5.27586E-06	0.009209883	0.004263983	0.129665881	0.02868375	7.01661E-06	36.48670578	3.60256E-05	0.00071589	0.0003914
2115 Dec	205.9601746	0.089432985	0.070272453	0.002183037	20.60395241	0.043632168	85.72887421	0.001480991	0.000911326	5.27643E-06	0.009231104	0.00427804	0.130240455	0.028689723	7.02573E-06	36.5520668	3.615E-05	0.000718	0.000391458
2116 Jan	207.041687	0.089415848	0.070216723	0.002181569	20.5970993	0.043611687	86.25296783	0.001480178	0.00091105	5.27494E-06	0.009243682	0.004280596	0.130854592	0.028694969	7.0275E-06	36.66732788	3.62707E-05	0.000717781	0.000392538
2116 Feb	207.3134003	0.089475632	0.070245169	0.002182412	20.61284447	0.043628864	86.36530304	0.001480847	0.00091158	5.27785E-06	0.009250249	0.004283283	0.130995497	0.028724605	7.03156E-06	36.71224976	3.63067E-05	0.000718196	0.000393147
2116 Mar	207.5718384	0.089591742	0.070326269	0.00218491	20.64066696	0.043678984	86.46643829	0.001482596	0.00091272	5.28433E-06	0.009261318	0.00428837	0.131145	0.02876685	7.03997E-06	36.7620697	3.63504E-05	0.000719076	0.000393768
2116 Apr	209.0625458	0.090241119	0.070830375	0.002200559	20.79087639	0.043991942	87.08317566	0.001493245	0.000919312	5.32242E-06	0.009327814	0.004319153	0.132079393	0.028978078	7.09055E-06	37.02890396	3.66111E-05	0.000724258	0.000396677
2116 May	208.8903198	0.090604037	0.072425187	0.002209043	21.71241379	0.042410284	85.32967377	0.00150287	0.000925655	5.35789E-06	0.009296658	0.004384958	0.129639119	0.031267114	7.11402E-06	38.2993927	3.71125E-05	0.000749663	0.000438443
2116 Jun	189.2789612	0.087583981	0.088791773	0.00250288	22.63320923	0.040949836	78.68897247	0.001625697	0.000875495	5.30656E-06	0.009043342	0.004970059	0.128710449	0.031706236	7.33333E-06	35.93510437	3.75943E-05	0.000876535	0.000416481
2116 Jul	200.0153046	0.087996863	0.090104118	0.002600591	22.99654388	0.042937133	83.25484467	0.001712353	0.000950998	5.70131E-06	0.009727897	0.005111123	0.135387897	0.032300923	7.78577E-06	37.30975723	4.02468E-05	0.000897061	0.00042364
2116 Aug	213.6231537	0.089831196	0.08979845	0.00263971	23.47250938	0.045079883	88.96032715	0.001758307	0.00100287	5.95911E-06	0.010160917	0.00519371	0.142504081	0.033104084	8.07744E-06	39.22288513	4.17754E-05	0.000904021	0.000439332
2116 Sep	202.5527191	0.088178441	0.07375408	0.002290888	21.00595665	0.0434938	83.62558746	0.001574406	0.000959696	5.57796E-06	0.009692919	0.004485154	0.130495295	0.029585537	7.38722E-06	36.52297974	3.81918E-05	0.00076849	0.000395235
2116 Oct	199.2690887	0.094804332	0.071316972	0.002213994	20.56022263	0.043948825	83.11146545	0.001515054	0.000910499	5.32029E-06	0.009550711	0.00437696	0.129100248	0.028252659	7.10639E-06	35.51485825	3.70298E-05	0.000742305	0.000372237
2116 Nov	203.3604431	0.096033797	0.071836129	0.002224537	20.65986252	0.044243261	85.21971893	0.001519499	0.000908699	5.32032E-06	0.009626879	0.004420553	0.131890133	0.028321832	7.13547E-06	35.9658699	3.75224E-05	0.000747184	0.000374992
2116 Dec	204.7104187	0.095990121	0.071751796	0.002222483	20.64334869	0.044218745	85.88467407	0.001518306	0.000908259	5.31789E-06	0.009642343	0.004422999	0.132668927	0.028312376	7.13708E-06	36.1006279	3.76715E-05	0.000746702	0.000376087
2117 Jan	205.2493896	0.095973529	0.07171382	0.002221477	20.6385479	0.044204444	86.14487457	0.001517736	0.000908068	5.31675E-06	0.009647909	0.004423781	0.1329685	0.028314143	7.13734E-06	36.15787888	3.77294E-05	0.000746502	0.00037664
2117 Feb	205.3457336	0.09598054	0.071708232	0.002221279	20.64165878	0.044200704	86.18383789	0.001517661	0.000908101	5.31682E-06	0.00964883	0.004424002	0.133009583	0.028323364	7.13752E-06	36.17344284	3.77391E-05	0.00074652	0.000376891
2117 Mar	205.6646423	0.096133187	0.07181634	0.002224614	20.67536545	0.044267196	86.31322479	0.001519974	0.000909527	5.32509E-06	0.009663573	0.004430745	0.133207157	0.028317878	7.14846E-06	36.23244476	3.77968E-05	0.000747677	0.000377564
2117 Apr	207.5883026	0.097035974	0.072487362	0.002245392	20.87003136	0.044680718	87.11775208	0.00153419	0.000918058	5.37498E-06	0.009753931	0.00447217	0.134448081	0.028640285	7.21533E-06	36.57318878	3.81499E-05	0.00075468	0.000381149
2117 May	199.9080811	0.096124999	0.072156563	0.002220545	21.67568207	0.043135334	81.25345612	0.001532377	0.000934275	5.42971E-06	0.009580566	0.004426056	0.126129821	0.030912383	7.1853E-06	37.12970352	3.73665E-05	0.000763928	0.000418797
2117 Jun	188.2535553	0.092496619	0.07958062	0.002339381	23.22295761	0.041077007	74.25338745	0.001595994	0.000940839	5.51954E-06	0.009305244	0.004677337	0.119305626	0.03414131	7.32543E-06	37.57152557	3.71158E-05	0.000835661	0.000462559
2117 Jul	195.0255127	0.091872431	0.078593098	0.002376526	23.41714859	0.043019645	76.6875	0.0016471	0.001004281	5.82479E-06	0.009690214	0.004709488	0.122112133	0.034729075	7.62606E-06	38.59473419	3.81306E-05	0.000832976	0.000470732
2117 Aug	198.7675781	0.089396968	0.074536242	0.002325923	22.93775368	0.044110272	78.1260376	0.001639316	0.001034282	5.93288E-06	0.009763904	0.00458392	0.122719154	0.034179673	7.67424E-06	38.77090454	3.77886E-05	0.000801193	0.000464739
2117 Sep	204.8360748	0.089537241	0.069710031	0.002235933	22.25561523	0.044228092	80.97605896	0.001597935	0.001035807	5.8941E-06	0.009854125	0.004417534	0.124700263	0.033194739	7.57772E-06	38.97628784	3.79337E-05	0.00076315	0.000457522
2117 Oct	196.0671539	0.089983597	0.059981778	0.002025926	20.55233383	0.043135401	77.10027313	0.001482782	0.001004203	5.63701E-06	0.009641009	0.003967738	0.116754107	0.0305299	7.13196E-06	36.80353546	3.59604E-05	0.000677499	0.000420442
2117 Nov	193.2467499	0.090152182	0.057441588	0.001971307	20.114851	0.042865179	75.81930542	0.001452947	0.000996225	5.57127E-06	0.00958086	0.003848181	0.114350356	0.029840024	7.01449E-06	36.18599701	3.53887E-05	0.000655127	0.000410409
2117 Dec	194.7101593	0.090140902	0.057265721	0.00196738	20.08228683	0.042838365	76.54582977	0.001450729	0.000995519	5.5667E-06	0.009598207	0.003847315	0.115175955	0.029803813	7.01303E-06	36.31958008	3.55434E-05	0.000653864	0.00041125
2118 Jan	195.2521515	0.09014225	0.057237275	0.001966613	20.08041191	0.042828728	76.80570984	0.0014503	0.000995391	5.56596E-06	0.009604463	0.003848537	0.11547818	0.029809274	7.01384E-06	36.37918091	3.56028E-05	0.000653755	0.000411839
2118 Feb	195.289444	0.090172634	0.057245042	0.001966811	20.08920479	0.042832807	76.80947113	0.001450518	0.000995627	5.56712E-06	0.009605831	0.003849156	0.115479872	0.02982706	7.01497E-06	36.3935318	3.56077E-05	0.000653914	0.00041214
2118 Mar	195.4363556	0.090249442	0.057287514	0.001968232	20.10742188	0.042863641	76.86092377	0.001451605	0.00099642	5.57147E-06	0.009612938	0.003852047	0.115555607	0.029856658	7.02026E-06	36.42525482	3.56337E-05	0.000654437	0.000412576
2118 Apr	196.0163574	0.09109623	0.057426512	0.00197036	20.36855125	0.042898405	76.6809845	0.001455654	0.001002158	5.59796E-06	0.009633197	0.003863448	0.115181684	0.030409141	7.04129E-06	36.81472778	3.56863E-05	0.00065843	0.000421964
2118 May	188.2392578	0.092078224	0.066886403	0.00209772	22.3009243	0.040944889	72.1002655	0.001502431	0.000970251	5.52331E-06	0.009262647	0.004202191	0.111764029	0.033819556	7.07688E-06	37.76223373	3.5464E-05	0.000744277	0.000470594
2118 Jun	193.060791	0.091641039	0.088477477	0.002505309	23.83070374	0.041813299	78.89563751	0.001674302	0.00091183	5.49437E-06	0.009310365	0.005118414	0.12917091	0.034363743	7.55066E-06	37.89162064	3.84584E-05	0.000912401	0.000456062
2118 Jul	205.7462769	0.094135068	0.090599552	0.002615426	24.71696472	0.044361789	83.88774109	0.001768198	0.000990762	5.91043E-06	0.009972634	0.005309351	0.13625975	0.035879917	8.03406E-06	40.00609589	4.09239E-05	0.00094149	0.000477922
2118 Aug	201.7727661	0.084619507	0.076341882	0.002335674	22.29450035	0.043599762	81.8972168	0.001631777	0.000985945	5.73532E-06	0.009519652	0.00469951	0.129178435	0.032625496	7.59421E-06	38.11455536	3.77799E-05	0.000817164	0.000439746
2118 Sep	198.7500153	0.09056776	0.073218733	0.002240571	21.28500748	0.04395362	82.54376221	0.001553578	0.000917211	5.37921E-06	0.009340286	0.0045508	0.129418612	0.02997002	7.23004E-06	36.40303421	3.65533E-05	0.00078097	0.000395738
2118 Oct	207.2188263	0.098487861	0.080438927	0.002371559	22.08896446	0.045331202	88.38155365	0.001605471	0.000884464	5.31189E-06	0.009583881	0.004912656	0.139567688	0.030278679	7.37678E-06	37.25495911	3.83734E-05	0.000840561	0.000393878
2118 Nov	211.0766144	0.099536344	0.081271581	0.002386997	22.17711639	0.045534618	90.49907684	0.00161249	0.000880624	5.30599E-06	0.009658403	0.004971632	0.142555848	0.030329565	7.40998E-06	37.65586472	3.89361E-05	0.000848648	0.000395844
2118 Dec	211.220108	0.099600963	0.08123561	0.002386825	22.17959023	0.04555783	90.55454254	0.001612716	0.000881227	5.30863E-06	0.009665029	0.004971162	0.142612323	0.030334448	7.41233E-06	37.67488861	3.89553E-05	0.000848466	0.000395976
2119 Jan	211.8283234	0.099597998	0.081199981	0.002385989	22.1771183	0.045548882	90.8445282	0.001612291	0.000881192	5.30829E-06	0.009672568	0.004972376	0.142948404	0.030340368	7.41361E-06	37.74171066	3.90227E-05	0.000848311	0.00039663
2119 Feb	212.3254547	0.099617437	0.08120133	0.002386011	22.18309021	0.045549724	91.07653809	0.001612377	0.000881341	5.30918E-06	0.009679775	0.00497476	0.143226534	0.030357413	7.41627E-06	37.80277634	3.9081E-05	0.000848481	0.000397302
2119 Mar	212.9181976	0.09989462	0.081419289	0.002392407	22.245718	0.045672067	91.32603455	0.001616739	0.000883782	5.32376E-06	0.009706204	0.004988249	0.143614396	0.030445866	7.43646E-06	37.91078568	3.91883E-05	0.000850798	0.000398503
2119 Apr	212.8740845	0.101888433	0.081182621	0.002378528	23.00262451	0.045349728	89.69091797	0.0016172	0.00089754	5.37596E-06	0.009686922	0.004983051	0.140746117	0.032220565	7.44723E-06	38.98371887	3.90047E-05	0.000857671	0.000429716
2119 May	192.3351288	0.09723302	0.082112812	0.002316358	24.70269394	0.040415261	75.68082428	0.001591437	0.000892588	5.30884E-06	0.008949875	0.004920287	0.121513456	0.037252966	7.22638E-06	39.79036713	3.6559E-05	0.000888993	0.000514446
2119 Jun	190.7248077	0.089609124	0.082215995	0.002347874	23.38045502	0.039907776	76.99342346	0.001612012	0.000896434	5.34432E-06	0.009090161	0.004919441	0.124500319	0.034766942	7.31333E-06	38.06170654	3.76065E-05	0.000883225	0.000471145
2119 Jul	204.0899811	0.089656398	0.081956342	0.002406092	23.65808678	0.041426484	82.46802521	0.001677391	0.000968713	5.70305E-06	0.009742085	0.005001419	0.13143371	0.035482518	7.70257E-06	39.82747269	4.0281E-05	0.00089194	0.000486168
2119 Aug	204.7536316	0.085843034	0.074334852	0.002285337	22.63792419	0.042500239	82.2660141	0.001632025	0.000996719	5.76147E-06	0.009678774	0.004699292	0.128892422	0.034031704	7.61803E-06	39.3071785	3.87806E-05	0.000827691	0.000467248
2119 Sep	198.2213135	0.083310202	0.063070901	0.002042624	20.48321533	0.041722283	79.9249649	0.001491492	0.000955148	5.44195E-06	0.009281749	0.004175866	0.122416489	0.030444033	7.09089E-06	36.90596771	3.5992E-05	0.000722036	0.00041879
2119 Oct	202.8830109	0.091425687	0.070609525	0.002173675	21.13631248	0.043266021	84.55965424	0.00153402	0.000907063	5.30373E-06	0.009402376	0.004525787	0.131193966	0.030188505	7.16888E-06	37.03054428	3.71462E-05	0.00077808	0.000404432
2119 Nov	205.5074463	0.094292201	0.074231513	0.002239965	21.51191711	0.043929882	86.71419525	0.001560374	0.000891635	5.27362E-06	0.009465487	0.004698326	0.135318846	0.03031018	7.23852E-06	37.26967239	3.77582E-05	0.000806953	0.000402
2119 Dec	206.464798	0.094315737	0.074186087	0.002239251	21.50789833	0.043935232	87.17618561	0.001560114	0.000891827	5.27452E-06	0.009480321	0.004700857	0.135865599	0.030312989	7.24231E-06	37.37076187	3.78694E-05	0.000806775	0.000402829

Appendix D.2-12: A6

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	5.9E-04	7.4E-02	9.1E-06	8.1E-01	1.1E+00	9.3E-03	1.0E-04	2.4E+00	9.1E-04	8.2E-03	1.8E-05	2.0E-05	3.9E-05	4.6E-02	1.8E-06	4.6E-05	9.9E-05	1.1E-03	0.0E+00
Operations (2020-2043): Mean	9.5E-04	1.1E-01	1.0E-05	1.2E+00	2.1E+00	2.5E-02	4.1E-04	4.4E+00	1.1E-03	1.1E-02	1.7E-04	1.0E-04	5.5E-05	8.4E-02	2.1E-06	7.6E-05	4.1E-04	1.5E-03	0.0E+00
Operations (2020-2043): Max	1.4E-03	2.4E-01	1.2E-05	2.2E+00	4.7E+00	1.1E-01	6.5E-04	7.7E+00	1.8E-03	1.4E-02	9.8E-04	2.4E-04	1.3E-04	1.8E-01	2.3E-06	1.0E-04	1.3E-03	2.1E-03	0.0E+00
Active Closure (2044-2050): Min	6.2E-04	8.0E-02	9.3E-06	8.9E-01	1.2E+00	9.5E-03	1.1E-04	2.9E+00	9.8E-04	8.7E-03	1.9E-05	2.0E-05	4.0E-05	5.0E-02	1.9E-06	4.9E-05	1.8E-04	1.1E-03	1.5E-06
Active Closure (2044-2050): Mean	9.6E-04	1.0E-01	1.0E-05	1.3E+00	2.0E+00	1.7E-02	5.0E-04	6.0E+00	1.2E-03	1.1E-02	8.2E-05	7.6E-05	5.0E-05	7.9E-02	2.2E-06	8.3E-05	3.2E-04	1.4E-03	3.6E-05
Active Closure (2044-2050): Max	1.3E-03	1.8E-01	1.2E-05	2.1E+00	3.5E+00	7.7E-02	7.3E-04	1.3E+01	1.8E-03	1.3E-02	6.6E-04	2.3E-04	1.0E-04	1.4E-01	2.7E-06	1.1E-04	1.0E-03	2.1E-03	1.2E-04
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	8.4E-04	7.8E-02	9.0E-06	1.2E+00	2.3E+00	1.3E-02	2.0E-04	5.7E+00	1.2E-03	8.0E-03	3.4E-05	6.7E-05	5.6E-05	8.2E-02	1.9E-06	7.0E-05	2.4E-04	1.2E-03	7.5E-05
Post Closure (2051-2119): Mean	1.6E-03	1.1E-01	1.0E-05	4.7E+00	8.3E+00	7.0E-02	1.8E-03	3.2E+01	4.5E-03	1.1E-02	5.3E-04	7.8E-04	3.3E-04	2.8E-01	4.9E-06	8.4E-04	7.4E-04	2.0E-03	8.3E-04
Post Closure (2051-2119): Max	2.1E-03	1.5E-01	1.2E-05	8.4E+00	1.2E+01	1.1E-01	3.2E-03	5.3E+01	6.3E-03	1.3E-02	8.5E-04	1.1E-03	5.0E-04	4.5E-01	8.2E-06	1.6E-03	1.0E-03	2.4E-03	1.2E-03
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0.001250439	0.23160027	1E-05	2.107332945	4.627332687	0.110139087	0.000197566	7.533389568	0.00180054	0.011501689	0.000956	0.00023	0.00013	0.179838628	2E-06	7.50169E-05	0.00130054	0.001824814	0
2020 Feb	0.001250869	0.231698453	1E-05	2.108148336	4.629617214	0.110201851	0.00019763	7.536708355	0.001801069	0.011503341	0.000956	0.00023	0.00013	0.179925397	2E-06	7.50334E-05	0.001301069	0.001824633	0
2020 Mar	0.001251368	0.23180081	1.00022E-05	2.109038115	4.631834507	0.110259116	0.000197707	7.540104866	0.00180174	0.011506704	0.000956206	0.00023005	0.000130028	0.180010512	2.00043E-06	7.50584E-05	0.001301632	0.001824929	0
2020 Apr	0.001254433	0.232374161	1.00256E-05	2.114231825	4.643386841	0.110536598	0.000198191	7.558793068	0.001806127	0.011534211	0.000958451	0.00023059	0.000130333	0.180458888	2.00513E-06	7.52395E-05	0.001304845	0.00182916	0
2020 May	0.001281422	0.237374365	1.02412E-05	2.159722328	4.743315697	0.112915754	0.000202454	7.721446514	0.001844981	0.011782272	0.000979059	0.000235548	0.000133136	0.184342399	2.04824E-06	7.68579E-05	0.001332921	0.001868481	0
2020 Jun	0.001015093	0.177849412	9.99691E-06	1.660800338	3.377001047	0.07579188	0.000162261	5.716448784	0.001510803	0.010594444	0.00064726	0.000229929	9.84822E-05	0.132339239	1.99938E-06	6.59568E-05	0.001010957	0.001923657	0
2020 Jul	0.000966615	0.163103357	1.03237E-05	1.542448401	3.005474567	0.064652048	0.000157715	5.225531101	0.001444343	0.010587326	0.000548098	0.000230757	8.94224E-05	0.11835923	2.06473E-06	6.45786E-05	0.000914786	0.001988825	0
2020 Aug	0.001009784	0.167516872	1.08482E-05	1.594143867	3.078555107	0.065148279	0.00017376	5.411537647	0.001494381	0.011048231	0.000551451	0.00023298	9.18897E-05	0.121477991	2.16964E-06	6.74428E-05	0.000918683	0.002048459	0
2020 Sep	0.00098072	0.152269498	1.05328E-05	1.493523479	2.817588091	0.055362605	0.000229778	5.132320404	0.001391938	0.010810523	0.000458792	0.000195773	8.28021E-05	0.111801215	2.10656E-06	6.83325E-05	0.000785218	0.001866503	0
2020 Oct	0.000961611	0.138134092	1.02093E-05	1.393784523	2.57110858	0.045607552	0.000290869	4.869425774	0.001289044	0.010709717	0.00036678	0.000158734	7.30363E-05	0.102429256	2.04185E-06	7.03718E-05	0.000658506	0.001684397	0
2020 Nov	0.000956532	0.134305477	1.01225E-05	1.366822243	2.50436902	0.042959128	0.000307527	4.79850769	0.00126121	0.01068363	0.000341791	0.000148677	7.03883E-05	0.099892184	2.0245E-06	7.09355E-05	0.000624113	0.00163506	0
2020 Dec	0.000956473	0.134210601	1.0121E-05	1.366189837	2.502728939	0.042889263	0.000308015	4.796946526	0.001260544	0.010683811	0.000341127	0.00014841	7.03208E-05	0.099830233	2.02419E-06	7.09571E-05	0.000623211	0.00163383	0
2021 Jan	0.000956666	0.134245396	1.0121E-05	1.366497636	2.503583908	0.042909801	0.000308098	4.798284054	0.001260725	0.010684757	0.000341147	0.000148388	7.03233E-05	0.099862769	2.0242E-06	7.0968E-05	0.000623363	0.001633666	0
2021 Feb	0.000957066	0.134330228	1.01227E-05	1.367227435	2.505417585	0.04295807	0.000308147	4.801054955	0.001261277	0.010687396	0.00034136	0.000148434	7.03503E-05	0.099933051	2.02453E-06	7.09873E-05	0.000623842	0.00163392	0
2021 Mar	0.000957674	0.134431258	1.01277E-05	1.368182659	2.507439137	0.043001916	0.000308299	4.804522991	0.001262091	0.01069319	0.000341615	0.000148519	7.03937E-05	0.100012116	2.02554E-06	7.10267E-05	0.000624357	0.001634724	0
2021 Apr	0.000958669	0.134579867	1.01374E-05	1.369653583	2.510289192	0.043056034	0.000308594	4.809752941	0.00126341	0.010703731	0.000341992	0.000148668	7.0466E-05	0.10012491	2.02748E-06	7.10973E-05	0.000625074	0.001636289	0
2021 May	0.00097505	0.137266725	1.02883E-05	1.395272851	2.56253767	0.044164862	0.000312453	4.900650978	0.001286048	0.010869587	0.000351342	0.000151455	7.19314E-05	0.102176197	2.05766E-06	7.21896E-05	0.000639104	0.001662088	0
2021 Jun	0.000872413	0.125456735	1.00999E-05	1.270163894	2.248071909	0.038958982	0.000241417	4.306136608	0.00121992	0.010265487	0.000309398	0.000177417	6.60783E-05	0.089919381	2.01999E-06	6.52493E-05	0.000629532	0.001784628	0
2021 Jul	0.000867077	0.122586966	1.04576E-05	1.243638396	2.133842707	0.035552684	0.000228806	4.16657877	0.001219249	0.010405198	0.000281349	0.000184672	6.41061E-05	0.085660949	2.09152E-06	6.47516E-05	0.000605257	0.001860023	0
2021 Aug	0.000890609	0.12315245	1.07467E-05	1.260642171	2.137585402	0.034438584	0.000242574	4.24468708	0.00123482	0.01059265	0.000271623	0.000178225	6.46649E-05	0.086113527	2.14933E-06	6.5909E-05	0.000578655	0.001856128	0
2021 Sep	0.000877508	0.114388213	1.03813E-05	1.209059	2.021918058	0.029440869	0.000289389	4.143481255	0.001167483	0.010372194	0.000222429	0.000147351	5.96873E-05	0.081898324	2.07626E-06	6.68559E-05	0.000494912	0.001687162	0
2021 Oct	0.000883674	0.110466026	1.02234E-05	1.185997963	1.973954439	0.026450353	0.00032594	4.123430252	0.001132927	0.010417857	0.00019272	0.000128669	5.64207E-05	0.080047287	2.04468E-06	6.8886E-05	0.00044967	0.001591366	0
2021 Nov	0.000886967	0.110678859	1.02518E-05	1.189090133	1.978695154	0.026414402	0.000328606	4.136728287	0.00113535	0.010455536	0.000192122	0.000128319	5.64759E-05	0.080243506	2.05036E-06	6.92084E-05	0.000449296	0.001592768	0
2021 Dec	0.000887615	0.110743366	1.02585E-05	1.189849854	1.979925632	0.026422599	0.000328967	4.139582157	0.001136031	0.010463086	0.000192154	0.000128344	5.65044E-05	0.080293745	2.0517E-06	6.92644E-05	0.000449455	0.001593558	0
2022 Jan	0.000887804	0.110777996	1.0259E-05	1.190158248	1.980720997	0.026441731	0.00032903	4.140834332	0.001136242	0.010464304	0.000192222	0.000128343	5.65131E-05	0.080324166	2.0518E-06	6.92754E-05	0.000449625	0.001593554	0
2022 Feb	0.00088799	0.11082375	1.02593E-05	1.190532446	1.981742024	0.026470693	0.000329034	4.14228344	0.001136507	0.010465169	0.000192348	0.000128363	5.65264E-05	0.080362931	2.05186E-06	6.92823E-05	0.000449899	0.001593594	0
2022 Mar	0.000888406	0.110887922	1.02631E-05	1.191157937	1.982999921	0.026495855	0.000329153	4.144539356	0.001137053	0.010469345	0.000192485	0.000128419	5.65536E-05	0.080412515	2.05261E-06	6.93105E-05	0.000450208	0.00159418	0
2022 Apr	0.000895567	0.111788869	1.03452E-05	1.200799227	1.999174953	0.026716771	0.000331786	4.178132057	0.001146227	0.010553326	0.000194063	0.000129452	5.70099E-05	0.081067607	2.06904E-06	6.98669E-05	0.000453893	0.001606939	0
2022 May	0.00091189	0.113829441	1.05335E-05	1.222702265	2.035693884	0.027206916	0.000337823	4.254359245	0.001167123	0.010745496	0.000197616	0.000131811	5.80497E-05	0.082548112	2.1067E-06	7.11392E-05	0.000462191	0.001636191	0
2022 Jun	0.000815718	0.104084708	1.02785E-05	1.112854242	1.773762226	0.023570726	0.000268093	3.725020885	0.00110875	0.010150355	0.000169382	0.000157865	5.32677E-05	0.072221145	2.0557E-06	6.45266E-05	0.000468079	0.001749033	0
2022 Jul	0.000692038	0.08874768	9.54738E-06	0.932025313	1.384392858	0.017261548	0.000179569	2.994017363	0.000980597	0.008980344	0.000125963	0.000163881	4.49622E-05	0.056754775	1.90948E-06	5.33966E-05	0.000404881	0.001708902	0
2022 Aug	0.000735734	0.092348412	1.0021E-05	0.97979176	1.449160337	0.017341046	0.000199868	3.183636189	0.001022729	0.009367531	0.000126029	0.000159793	4.72337E-05	0.059633151	2.00421E-06	5.5939E-05	0.000392278	0.001732001	0
2022 Sep	0.000753251	0.090450145	9.91463E-06	0.989651918	1.471642852	0.016049458	0.000246385	3.292053938	0.001008921	0.009422107	0.000109195	0.000138124	4.64298E-05	0.060788326	1.98292E-06	5.851E-05	0.000353686	0.001624336	0
2022 Oct	0.000771084	0.089744128	9.80247E-06	0.99354434	1.493414402	0.015102525	0.000281823	3.368072271	0.000995493	0.009544051	9.753E-05	0.000122907	4.51229E-05	0.061598621	1.96049E-06	6.10511E-05	0.000331405	0.001544924	0
2022 Nov	0.000774843	0.090107188	9.84119E-06	0.997877359	1.500353694	0.015141444	0.000283971	3.384443045	0.000999371	0.009587938	9.76327E-05	0.000123022	4.528E-05	0.061882492	1.96824E-06	6.1379E-05	0.000332218	0.001549373	0
2022 Dec	0.000775414	0.090161398	9.84696E-06	0.998528898	1.501403093	0.015146926	0.000284307	3.386928082	0.000999947	0.009594568	9.76437E-05	0.000123034	4.53031E-05	0.061925393	1.96939E-06	6.14291E-05	0.000332332	0.00155001	0
2023 Jan	0.00077562	0.090200357	9.84737E-06	0.998873174	1.502312422	0.015169239	0.000284377	3.388335943	0.001000177	0.009595823	9.77353E-05	0.000123031	4.53139E-05	0.06196009	1.96947E-06	6.1441E-05	0.000332531	0.001549981	0
2023 Feb	0.000775825	0.090250149	9.84766E-06	0.999282837	1.503427625	0.015200655	0.000284386	3.389924526	0.001000465	0.009596804	9.78782E-05	0.000123052	4.5329E-05	0.06200245	1.96953E-06	6.1449E-05	0.000332828	0.001550023	0
2023 Mar	0.000776006	0.090285353	9.8487E-06	0.999595284	1.504169941	0.015219144	0.000284417	3.391093254	0.001000712	0.009598196	9.79648E-05	0.000123074	4.53412E-05	0.06203109	1.96974E-06	6.14588E-05	0.000333021	0.001550184	0
2023 Apr	0.00077953	0.09070354	9.89272E-06	1.004181147	1.511226177	0.015296815	0.000285688	3.40671277	0.001005265	0.009641309	9.84462E-05	0.00012363	4.55481E-05	0.062320948	1.97854E-06	6.17354E-05	0.000334599	0.001557111	0
2023 May	0.00080841	0.096946582	1.00627E-05	1.05800724	1.64097321	0.018729396	0.000287543	3.602179289	0.001048803	0.009865795	0.000128818	0.000129271	4.91423E-05	0.067303732	2.01255E-06	6.32186E-05	0.000372568	0.001592274	0
2023 Jun	0.00082096	0.116521299	9.77156E-06	1.184376955	2.049875736	0.034660507	0.000218202	3.989824533	0.001151688	0.009709102	0.000275847	0.000168966	6.16792E-05	0.082316622	1.95431E-06	6.06317E-05	0.000568609	0.001715631	0
2023 Jul	0.000783865	0.109255798	9.87191E-06	1.11406076	1.847748518	0.029640248	0.000195181	3.682267666	0.001114817	0.009574261	0.00023388	0.000175427	5.72709E-05	0.074561432	1.97438E-06	5.82352E-05	0.000530828	0.001767115	0
2023 Aug	0.000821852	0.112198718	1.03061E-05	1.14956665	1.888702989	0.029295953	0.000209537	3.823306799	0.001148951	0.009927258	0.0002313	0.000172604	5.87895E-05	0.07641083	2.06123E-06	6.03068E-05	0.000516888	0.001792437	0
2023 Sep	0.000831552	0.110192105	1.03765E-05	1.156901002	1.881701589	0.027777681	0.000238204	3.880321264	0.001146292	0.009981465	0.000213849	0.000160298	5.84923E-05	0.076544307	2.07529E-06	6.17685E-05	0.000484707	0.001746681	0
2023 Oct	0.000840371	0.108883277	1.03297E-05	1.152692795	1.873661518	0.026502024	0.000260643	3.900842667	0.001134153	0.010061784	0.000200422	0.000150616	5.71382E-05	0.076241605	2.06594E-06	6.33204E-05	0.000464528	0.001700285	0
2023 Nov	0.000845524	0.109230123	1.03728E-05	1.157627225	1.881525159	0.026461195	0.00026482	3.922090769	0.001137961	0.010120174	0.000199619	0.000150066	5.72329E-05	0.076564789	2.07455E-06	6.38248E-05	0.000464097	0.001702304	0
2023 Dec	0.000846054	0.10927467	1.03777E-05	1.158194184	1.882434726	0.026462588	0.000265179	3.924352169	0.00113844	0.010126278	0.000199592	0.00015005	5.72497E-05	0.076602042	2.07555E-06	6.38736E-05	0.000464143	0.001702743	0
2024 Jan	0.000846249	0.1093117	1.03776E-05	1.158516526	1.883349419	0.026485171	0.000265261	3.925744534	0.001138628	0.010127224	0.000199662	0.000150031	5.72566E-05	0.076636694	2.07553E-06	6.38848E-05	0.000464324	0.001702583	0
2024 Feb	0.000846469	0.109367602	1.03776E-05	1.158968687	1.884625554	0.026521774	0.000265269	3.927527905	0.001138933	0.010128075	0.000199817	0.000150048	5.72718E-05	0.076684982	2.07553E-06	6.38925E-05	0.000464661	0.001702561	0
2024 Mar	0.00084768	0.10953892	1.0391E-05	1.16070807	1.887747407	0.026575815	0.000265615	3.933558702	0.001140567	0.010141592	0.000200159	0.000150251	5.73539E-05	0.076810047	2.0782E-06	6.39791E-05	0.000465442	0.001704745	0
2024 Apr	0.000849933	0.109838329	1.04178E-05	1.163838267	1.893001676	0.026655413	0.000266302	3.944243193	0.001143601	0.010168007	0.000200722	0.000150644	5.75064E-05	0.077022739	2.08356E-06	6.41465E-05	0.000466745	0.001709135	0
2024 May	0.000897659	0.122600995	1.05011E-05	1.266411066	2.172845125	0.034833267	0.000262956	4.328736305	0.001218947	0.010413328	0.00027427	0.000159897	6.5016E-05	0.087614104	2.10022E-06	6.59252E-05	0.000550789	0.001740177	0
2024 Jun	0.000946282	0.149226785	9.93315E-06	1.450375795	2.777597189	0.055813473	0.000212614	5.005896568	0.001341689	0.010252642	0.000466654	0.000186376	8.13717E-05	0.109962918	1.98663E-06	6.47512E-05	0.00077125	0.001756356	0
2024 Jul	0.000984287	0.153683305	1.0551E-05	1.497302175	2.831409454	0.056080285	0.000219445	5.14442873	0.001397167	0.010790767	0.000468069	0.000197419	8.34994E-05	0.112252578	2.11021E-06	6.76341E-05	0.000789355	0.001870141	0
2024 Aug	0.001012238	0.154753804	1.09531E-05	1.527660966	2.852411747	0.055143587	0.000239989	5.259349823	0.001425856	0.011090544	0.000457461	0.000193975	8.46538E-05	0.113499112	2.19062E-06	6.97814E-05	0.00077172	0.001895497	0
2024 Sep	0.0009891	0.144121245	1.07361E-05	1.46036613	2.674544573	0.04859969	0.000277291	5.068306923	0.001357245	0.01089252	0.000394871	0.000169123	7.87462E-05	0.106980227	2.14721E-06	7.01464E-05	0.00068164	0.001774282	0
2024 Oct	0.000991242	0.141002834	1.07084E-05	1.440885544	2.621834517	0.046032693	0.000298711	5.02720356	0.001335712	0.010956911	0.000370041	0.000159299	7.62668E-05	0.104981147	2.14168E-06	7.14446E-05	0.000649989	0.001732325	0
2024 Nov	0.000992286	0.139462098	1.06946E-05	1.431252956	2.595787764	0.044765361	0.000309276	5.006851196	0.001325068	0.010988533	0.000357784	0.000154449	7.50423E-05	0.103993237	2.13892E-06	7.20842E-05	0.000634361	0.001711597	0
2024 Dec	0.000992927	0.139507473	1.07008E-05	1.431882262	2.596702099	0.04475946	0.000309747	5.00940609	0.001325605	0.010996162	0.000357681	0.000154416	7.50562E-05	0.104031339	2.14017E-06	7.21457E-05	0.00063434	0.001712106	0
2025 Jan	0.000993105	0.13953954	1.07007E-05	1.432159543	2.597497702	0.044778552	0.000309828	5.010632038	0.001325762	0.010997036	0.000357696	0.000154393	7.50572E-05	0.104061387	2.14014E-06	7.21562E-05	0.000634485	0.001711934	0
2025 Feb	0.000993448	0.139615029	1.07019E-05	1.432799578	2.599144936	0.044822756	0.000309864	5.01307869	0.001326236	0.010999149	0.000357885	0.000154431	7.50799E-05	0.104124323	2.14038E-06	7.2172E-05	0.000634918	0.001712111	0
2025 Mar	0.000993812	0.139680997	1.07044E-05	1.433403134	2.600505114	0.044854827	0.000309938	5.015303612	0.00132673	0.011002254	0.000358052	0.000154479	7.51057E-05	0.104177147	2.14089E-06	7.21934E-05	0.000635267	0.001712512	0
2025 Apr	0.000995112	0.139872059	1.07177E-05	1.435322046	2.604137421	0.044922385	0.000310321	5.022082329	0.001328469	0.011016114	0.00035854	0.000154676	7.52028E-05	0.104321703	2.14353E-06	7.2285E-05	0.000636164	0.001714622	0

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.001015789	0.142782137	1.094E-05	1.465165973	2.658347368	0.045859654	0.000316759	5.126528263	0.001356077	0.0112448	0.000366005	0.000157889	7.67657E-05	0.106492952	2.18801E-06	7.37858E-05	0.000649412	0.001750201	0
2025 Jun	0.00089104	0.124878705	1.05722E-05	1.287318468	2.221513033	0.036935735	0.000253834	4.354062557	0.001244421	0.010514119	0.000289982	0.000176211	6.66921E-05	0.089442924	2.11444E-06	6.64937E-05	0.000601768	0.001829306	0
2025 Jul	0.000785668	0.108107843	1.02914E-05	1.117163658	1.797957182	0.027682941	0.000196876	3.641093493	0.001135817	0.00985459	0.000213564	0.000186553	5.68405E-05	0.072929114	2.05827E-06	5.95392E-05	0.000532723	0.001872258	0
2025 Aug	0.000828309	0.111767009	1.07772E-05	1.160856247	1.854206562	0.027634144	0.000213231	3.81012845	0.00117723	0.010261559	0.000213159	0.00018467	5.88117E-05	0.075398982	2.15545E-06	6.20056E-05	0.000523098	0.001907049	0
2025 Sep	0.000836853	0.10991469	1.0752E-05	1.16142118	1.847434163	0.026256531	0.000239991	3.851035595	0.001166924	0.010295361	0.000197902	0.000171862	5.79677E-05	0.075353228	2.1504E-06	6.33932E-05	0.000493859	0.001848247	0
2025 Oct	0.000841456	0.106501438	1.05079E-05	1.140603662	1.816834688	0.023996506	0.000274608	3.844809055	0.001130914	0.010276222	0.000175002	0.000152365	5.50999E-05	0.074123621	2.10157E-06	6.50807E-05	0.000453392	0.001737811	0
2025 Nov	0.000844461	0.105328307	1.04281E-05	1.134158373	1.807563543	0.02315251	0.000288464	3.847944498	0.001118548	0.010283631	0.000166351	0.000145005	5.40645E-05	0.073752679	2.08563E-06	6.58308E-05	0.000438315	0.001697386	0
2025 Dec	0.000845049	0.105378255	1.04336E-05	1.134789348	1.808584213	0.023154672	0.000288857	3.850461483	0.001119079	0.010290342	0.000166328	0.000144987	5.40836E-05	0.073794432	2.08673E-06	6.58844E-05	0.000438369	0.001697868	0
2026 Jan	0.000845313	0.105426393	1.04342E-05	1.135218501	1.809711099	0.023181682	0.000288954	3.85223341	0.001119363	0.010291969	0.000166427	0.000144979	5.40959E-05	0.073837489	2.08684E-06	6.58999E-05	0.000438602	0.001697811	0
2026 Feb	0.000845574	0.105489731	1.04345E-05	1.135738373	1.8111341	0.023221795	0.000288967	3.854259968	0.001119726	0.010293172	0.000166604	0.000145003	5.41144E-05	0.073891521	2.0869E-06	6.59098E-05	0.000438977	0.001697846	0
2026 Mar	0.000846431	0.1056135	1.04435E-05	1.13698256	1.813442111	0.023263313	0.000289218	3.858625174	0.001120871	0.010302534	0.000166841	0.000145138	5.41702E-05	0.07398349	2.0887E-06	6.5971E-05	0.000439553	0.001699301	0
2026 Apr	0.00084981	0.10604471	1.04843E-05	1.141574383	1.820950627	0.023366444	0.000290349	3.874289989	0.001125352	0.01034305	0.000167546	0.000145711	5.4387E-05	0.074288562	2.09686E-06	6.62311E-05	0.000441383	0.001705932	0
2026 May	0.000868208	0.109227456	1.06475E-05	1.171307445	1.883242011	0.024761656	0.000293941	3.979683399	0.00115141	0.010523308	0.00017949	0.000149047	5.61498E-05	0.076724872	2.1295E-06	6.74015E-05	0.000458579	0.001734807	0
2026 Jun	0.000811747	0.115986243	9.97568E-06	1.18028605	2.014250755	0.034015745	0.000207047	3.922116995	0.001163724	0.009826873	0.000268963	0.000182283	6.1428E-05	0.080988698	1.99514E-06	6.07073E-05	0.000585992	0.001805847	0
2026 Jul	0.000819399	0.115725771	1.03789E-05	1.179806471	1.965305805	0.032175899	0.000201676	3.881090641	0.001181603	0.01008764	0.000253202	0.000191274	6.09324E-05	0.079242572	2.07577E-06	6.14206E-05	0.0005813	0.00189271	0
2026 Aug	0.00084955	0.116556607	1.06826E-05	1.192891002	1.961881757	0.030676285	0.000214141	3.959397316	0.001193501	0.010287833	0.00024227	0.000181505	6.11359E-05	0.079344936	2.13652E-06	6.24139E-05	0.000543136	0.001870571	0
2026 Sep	0.000865634	0.116671272	1.08058E-05	1.206807613	1.977984786	0.030011639	0.000234693	4.029962063	0.001201035	0.010450379	0.000233937	0.000175625	6.11842E-05	0.080142856	2.16117E-06	6.41852E-05	0.000530462	0.001857784	0
2026 Oct	0.000861086	0.111791238	1.04939E-05	1.173394442	1.919746876	0.027167834	0.000267447	3.976440907	0.001154299	0.010346589	0.000205813	0.000155131	5.76192E-05	0.077854432	2.09877E-06	6.53189E-05	0.000483345	0.001737683	0
2026 Nov	0.0008648	0.112201676	1.05348E-05	1.178000331	1.927222729	0.027239854	0.000269172	3.993048429	0.001158598	0.010390393	0.000206248	0.000155472	5.78132E-05	0.078158848	2.10697E-06	6.56254E-05	0.000484684	0.001743323	0
2026 Dec	0.000865299	0.112249278	1.05399E-05	1.178571463	1.928142786	0.027244769	0.000269465	3.995223522	0.001159104	0.010396196	0.000206259	0.000155483	5.78335E-05	0.078196451	2.10798E-06	6.56692E-05	0.000484786	0.001743886	0
2027 Jan	0.00086548	0.112280808	1.05404E-05	1.178858876	1.928881049	0.027261933	0.000269536	3.996407032	0.001159297	0.010397377	0.000206318	0.000155477	5.78415E-05	0.078224748	2.10808E-06	6.56803E-05	0.000484934	0.001743861	0
2027 Feb	0.000865649	0.112321645	1.05406E-05	1.179195881	1.92980206	0.027287791	0.000269547	3.997722626	0.001159531	0.010398162	0.000206429	0.000155491	5.78532E-05	0.078259744	2.10812E-06	6.56869E-05	0.000485175	0.00174388	0
2027 Mar	0.000866439	0.112434454	1.05492E-05	1.180330038	1.931860089	0.027323896	0.00026977	4.001662731	0.001160594	0.010406971	0.000206656	0.000155625	5.79062E-05	0.078341916	2.10984E-06	6.57434E-05	0.000485698	0.001745296	0
2027 Apr	0.000871988	0.113160461	1.06162E-05	1.187922835	1.944402814	0.027505314	0.000271485	4.027458191	0.001168029	0.010473233	0.000208002	0.000156616	5.82772E-05	0.078849815	2.12323E-06	6.61625E-05	0.000488855	0.001756373	0
2027 May	0.000893219	0.116470352	1.08328E-05	1.220077038	2.00646162	0.02874073	0.000276561	4.139587402	0.001197471	0.010700075	0.000218322	0.000160472	6.00668E-05	0.081303947	2.16656E-06	6.76145E-05	0.000505553	0.001793577	0
2027 Jun	0.000741659	0.10001386	1.00701E-05	1.043354154	1.623007178	0.023362117	0.000189295	3.352804661	0.001080628	0.009599459	0.00017469	0.000185854	5.18584E-05	0.066093698	2.01402E-06	5.77498E-05	0.000499587	0.00186132	0
2027 Jul	0.00073468	0.099023439	1.04345E-05	1.033176541	1.553205729	0.021637719	0.000172439	3.249902487	0.001095717	0.009786264	0.000159911	0.000201484	5.11729E-05	0.063496903	2.08691E-06	5.76241E-05	0.000507267	0.001978313	0
2027 Aug	0.000775873	0.10273356	1.09306E-05	1.085109949	1.624613047	0.021971628	0.000193543	3.442036867	0.001143011	0.010206921	0.000160723	0.000200939	5.367E-05	0.066656902	2.18612E-06	6.05087E-05	0.000505258	0.002023407	0
2027 Sep	0.000788645	0.100162156	1.07808E-05	1.085645795	1.628046513	0.020373447	0.000234754	3.518270254	0.001121711	0.010181675	0.000142529	0.000177983	5.25214E-05	0.067058541	2.15616E-06	6.22997E-05	0.000459143	0.001903671	0
2027 Oct	0.00079954	0.098667033	1.06092E-05	1.079522848	1.630243897	0.019196648	0.000264106	3.557210207	0.001100186	0.010206109	0.000129991	0.000161988	5.08946E-05	0.067097791	2.12184E-06	6.39581E-05	0.000431072	0.001813427	0
2027 Nov	0.000806074	0.098772295	1.06179E-05	1.083201408	1.638623834	0.018998425	0.000272622	3.583925009	0.001100162	0.010261208	0.000127521	0.000158819	5.07377E-05	0.067430072	2.12357E-06	6.4675E-05	0.000426214	0.001799867	0
2027 Dec	0.000806698	0.098812535	1.0622E-05	1.083773971	1.639636874	0.018994784	0.000273161	3.586577654	0.001100548	0.010267688	0.000127437	0.000158709	5.07474E-05	0.067471094	2.12441E-06	6.47351E-05	0.000426111	0.001799794	0
2028 Jan	0.000806958	0.098863527	1.06218E-05	1.084209442	1.640891314	0.019026531	0.000273259	3.588468075	0.001100798	0.010268773	0.000127559	0.000158681	5.0759E-05	0.06751857	2.12435E-06	6.47485E-05	0.000426354	0.001799543	0
2028 Feb	0.000807335	0.098947272	1.06229E-05	1.084916711	1.642733097	0.019076269	0.000273298	3.591190577	0.001101315	0.010270976	0.000127785	0.000158719	5.07854E-05	0.067588888	2.12458E-06	6.47654E-05	0.000426833	0.001799698	0
2028 Mar	0.000807685	0.099010505	1.06254E-05	1.085496068	1.644027352	0.019106634	0.000273368	3.593314171	0.001101794	0.010274029	0.000127931	0.000158768	5.08089E-05	0.067639172	2.12509E-06	6.47863E-05	0.000427169	0.001800109	0
2028 Apr	0.0008108	0.099403672	1.06653E-05	1.089743018	1.650692225	0.019192649	0.000274396	3.607487917	0.001106044	0.010312869	0.000128475	0.000159369	5.10056E-05	0.067911729	2.13305E-06	6.50321E-05	0.000428901	0.001806844	0
2028 May	0.000824158	0.101049148	1.08403E-05	1.107738376	1.678102732	0.019517126	0.000278896	3.667127132	0.00112427	0.010482281	0.000130648	0.00016199	5.18489E-05	0.069038339	2.16805E-06	6.61008E-05	0.000436028	0.001836493	0
2028 Jun	0.000709055	0.091048583	1.01677E-05	0.981629968	1.429323435	0.017436603	0.000197069	3.096005917	0.001041804	0.009563937	0.000118283	0.000185155	4.69224E-05	0.058918789	2.03355E-06	5.75554E-05	0.000451871	0.001888989	0
2028 Jul	0.000707853	0.09199892	1.04506E-05	0.983577669	1.405862767	0.017210754	0.000178307	3.050397635	0.001061823	0.009713353	0.000117887	0.000199465	4.73235E-05	0.058014721	2.09013E-06	5.7259E-05	0.000469312	0.001985942	0
2028 Aug	0.000785781	0.099919736	1.14666E-05	1.089260101	1.553517342	0.018333321	0.00021528	3.419483662	0.001162578	0.010600499	0.000122755	0.000205449	5.24606E-05	0.064445533	2.29333E-06	6.32017E-05	0.000483994	0.002114609	0
2028 Sep	0.000942348	0.097131371	1.06587E-05	1.140623093	1.768477917	0.012399896	0.00047938	4.118454456	0.001070725	0.011382685	5.09201E-05	7.69637E-05	4.50484E-05	0.072746232	2.13175E-06	8.08565E-05	0.000284982	0.001436193	0
2028 Oct	0.001010304	0.095933937	1.0206E-05	1.153226852	1.85735476	0.009697512	0.000594386	4.398405552	0.001020604	0.011736199	1.94159E-05	2.04564E-05	4.08259E-05	0.075927392	2.0412E-06	8.87827E-05	0.000201118	0.001127969	0
2028 Nov	0.001039135	0.098667189	1.04966E-05	1.186099172	1.910338163	0.009972293	0.000611393	4.523916245	0.00104966	0.012070867	1.99507E-05	2.10063E-05	4.19869E-05	0.078093059	2.09932E-06	9.13175E-05	0.0002068	0.001159934	0
2028 Dec	0.00103929	0.098681755	1.04981E-05	1.186274529	1.910621285	0.009973744	0.000611484	4.524587154	0.001049814	0.012072654	1.99534E-05	2.10089E-05	4.19931E-05	0.078104615	2.09963E-06	9.13311E-05	0.00020683	0.001160102	0
2029 Jan	0.001045353	0.100808524	1.04879E-05	1.202297688	1.957414627	0.0114833	0.000608657	4.584231853	0.001061229	0.012080369	2.72154E-05	2.26202E-05	4.26517E-05	0.079867482	2.09759E-06	9.13435E-05	0.000221418	0.001162434	0
2029 Feb	0.001054273	0.103722446	1.04829E-05	1.224608779	2.021316051	0.013503029	0.000605383	4.667370796	0.001077289	0.012100404	3.69091E-05	2.47846E-05	4.35634E-05	0.082279809	2.09657E-06	9.14338E-05	0.000241024	0.001166479	0
2029 Mar	0.001060059	0.105379157	1.04903E-05	1.237711549	2.057401419	0.014594688	0.000604223	4.716296673	0.001086911	0.012122846	4.21215E-05	2.59645E-05	4.40925E-05	0.083647862	2.09806E-06	9.15708E-05	0.000251728	0.001169771	0
2029 Apr	0.001068868	0.106866211	1.05493E-05	1.251584411	2.088548899	0.015288062	0.000606723	4.768592834	0.001098028	0.012198861	4.52881E-05	2.67671E-05	4.46219E-05	0.084858216	2.10986E-06	9.21266E-05	0.000259095	0.001177742	0
2029 May	0.001121641	0.120123371	1.08905E-05	1.361507773	2.355656624	0.022963621	0.000598447	5.150964737	0.00119062	0.012591168	0.000114445	4.28031E-05	5.25669E-05	0.095096424	2.1781E-06	9.4217E-05	0.000346443	0.001268089	0
2029 Jun	0.000915352	0.138377935	1.04385E-05	1.371360064	2.497191191	0.046565551	0.000225358	4.63050127	0.001311725	0.010689376	0.000373782	0.000201642	7.30347E-05	0.099316701	2.08769E-06	6.73366E-05	0.000734335	0.001917849	0
2029 Jul	0.000612703	0.0817497	9.59589E-06	0.8495996	1.161114454	0.014317625	0.000110304	2.538866997	0.000954371	0.008654016	0.000102953	0.000198606	4.16475E-05	0.048005719	1.91918E-06	4.81866E-05	0.00043067	0.001893364	0
2029 Aug	0.000707048	0.086376689	1.03048E-05	0.9532938	1.314562559	0.01389858	0.00018858	3.027203798	0.001018149	0.009201336	9.41235E-05	0.000163438	4.65123E-05	0.055180024	2.06096E-06	5.371E-05	0.000354087	0.001787495	0
2029 Sep	0.000955012	0.093627505	1.03127E-05	1.129218102	1.765068889	0.01047283	0.000525887	4.189538479	0.001029284	0.011221328	3.13153E-05	4.36243E-05	4.3091E-05	0.072793663	2.06254E-06	8.21477E-05	0.000218456	0.001244028	0
2029 Oct	0.001017273	0.096658133	1.0291E-05	1.162039995	1.870356679	0.009792131	0.00059771	4.429474831	0.001029051	0.011819779	1.98253E-05	2.11166E-05	4.12067E-05	0.0764734	2.05819E-06	8.93554E-05	0.000203088	0.001139581	0
2029 Nov	0.001038779	0.098641738	1.0495E-05	1.185812235	1.909707665	0.00997259	0.000611077	4.522472382	0.001049495	0.012067069	1.99809E-05	2.10692E-05	4.19864E-05	0.078069374	2.099E-06	9.12806E-05	0.000206804	0.001160059	0
2029 Dec	0.001038535	0.098618209	1.04925E-05	1.185528994	1.90925765	0.009970098	0.000610937	4.521405697	0.00104924	0.012064218	1.99747E-05	2.10615E-05	4.1976E-05	0.078050897	2.09849E-06	9.12593E-05	0.000206753	0.001159766	0
2030 Jan	0.001044087	0.100552872	1.04837E-05	1.200124383	1.95181489	0.011340533	0.000608402	4.575747013	0.001059646	0.012071777	2.65658E-05	2.25236E-05	4.25755E-05	0.079654418	2.09674E-06	9.12749E-05	0.00022	0.001161926	0
2030 Feb	0.001052927	0.103276238	1.04862E-05	1.221270084	2.011365891	0.013188342	0.000605836	4.654616356	0.001075	0.012098274	3.54152E-05	2.45102E-05	4.3435E-05	0.0819065 79	2.09724E-06	9.14197E-05	0.000238013	0.0011664	0
2030 Mar	0.001059501	0.104915492	1.05058E-05	1.234730124	2.046779871	0.014201265	0.000605519	4.704993725	0.001085102	0.012133591	4.02177E-05	2.56173E-05	4.39713E-05	0.083256096	2.10117E-06	9.16568E-05	0.000248078	0.001170834	0
2030 Apr	0.001071255	0.106643222	1.05964E-05	1.251736403	2.082444906	0.014886409	0.000609913	4.769275665	0.001099062	0.012245398	4.32614E-05	2.64424E-05	4.46094E-05	0.084654905	2.11928E-06	9.24845E-05	0.000255694	0.001182208	0
2030 May	0.001144792	0.114996865	1.12964E-05	1.343863606	2.247053862	0.016816212	0.000646951	5.116221428	0.001179228	0.01305632	5.42263E-05	3.00056E-05	4.83349E-05	0.091264047	2.25927E-06	9.85102E-05	0.00028277	0.001266307	0
2030 Jun	0.0006299	0.088985398	9.67825E-06	0.92229557	1.34679234	0.019775916	0.0001182	2.769137859	0.001012495	0.008932753	0.000144276	0.000215647	4.63039E-05	0.055125669	1.93565E-06	5.10119E-05	0.000518549	0.001984132	0
2030 Jul	0.000660711	0.085440025	9.81572E-06	0.878860474	1.219991565	0.014338389	0.000126114	2.713819504	0.000970471	0.008865706	0.000107854	0.000182416	4.2873E-05	0.050338037	1.96314E-06	4.94506E-05	0.000393545	0.00182272	0
2030 Aug	0.000823401	0.087553993	1.07976E-05	1.076673627	1.504138112	0.012130911	0.000326728	3.714946508	0.001058516	0.009472894	6.86128E-05	8.42786E-05	5.22586E-05	0.064639196	2.15953E-06	6.00794E-05	0.000185064	0.001447992	0
2030 Sep	0.000929243	0.090282291	1.09459E-05	1.182708025	1.741776347	0.011035924	0.000502325	4.292313099	0.00108819	0.01060407	3.38217E-05	4.0772E-05	5.16336E-05	0.074260421	2.18918E-06	7.57805E-05	0.000160507	0.001286284	0
2030 Oct	0.000998975	0.094947971	1.01635E-05	1.145943403	1.838062882	0.009685062	0.000585707	4.360598564	0.001016049	0.01159538	1.99187E-05	2.12085E-05	4.10204E-05	0.07528118	2.0327E-06	8.75142E-05	0.000197647	0.001126649	0
2030 Nov	0.001013509	0.096237622	1.02416E-05	1.157156944	1.863307595	0.009731203	0.000596215	4.413001537	0.001024143	0.011772584	1.94935E-05	2.05332E-05	4.09872E-05	0.076178476	2.04832E-06	8.90504E-05	0.000201613	0.0011319	0
2030 Dec	0.001013921	0.096276559	1.02457E-05	1.157618999	1.864062071	0.009735021	0.00059646	4.414777756	0.001024549	0.011777375	1.95004E-05	2.05401E-05	4.10029E-05	0.07620912	2.04913E-06	8.90869E-05	0.000201697	0.001132343	0
2031 Jan	0.001018215	0.097683363	1.0243E-05	1.168379545	1.894917369	0.010711092	0.000594868	4.454880714	0.001032289	0.011786861	2.41854E-05	2.15853E-05	4.14424E-05	0.077373728	2.04859E-06	8.91292E-05	0.000211172	0.001134271	0
2031 Feb	0.001024191	0.099593632	1.02415E-05	1.1830796	1.936764598	0.012024929	0.000592849	4.509678364	0.001042904	0.011801993	3.04862E-05	2.29948E-05	4.20418E-05	0.078954488	2.04829E-06	8.9204E-05	0.000223946	0.001137098	0
2031 Mar	0.001028443	0.100724638	1.02509E-05	1.192199707	1.961295962	0.012746328	0.000592352	4.543775558	0.001049678	0.011821965	3.39186E-05	2.37789E-05	4.24074E-05	0.079886943	2.05018E-06	8.93336E-05	0.000231067	0.001139762	0
2031 Apr	0.001048299	0.103082091	1.04298E-05	1.217639089	2.008648634	0.013378589	0.000602088	4.640349865	0.001071351	0.012033534	3.64747E-05	2.4634E-05	4.33362E-05	0.081777148	2.08596E-06	9.092E-05	0.000239089	0.001160585	0
2031 May	0.00116073	0.152117386	1.0694E-05	1.577169418	3.004249096	0.047741134	0.00048469	5.836737633	0.001368885	0.012326371	0.000359207	9.73677E-05	7.53382E-05	0.119320296	2.1388E-06	8.89815E-05	0.000619652	0.001438708	0
2031 Jun	0.000988845	0.171349987	1.00705E-05	1.608386993	3.220712185	0.071341276	0.000158966	5.49647665	0.001479779	0.010544087	0.000607846	0.00023134	9.47062E-05	0.126433536	2.0141E-06	6.51749E-05	0.000975846	0.001950974	0
2031 Jul	0.000988992	0.140401244	1.14838E-05	1.354238033	2.348850965	0.040369794	0.000189578	4.619213581	0.001328747	0.011006354	0.000347056	0.000181822	7.26722E-05	0.093900338	2.29677E-06	6.41355E-05	0.000590013	0.001887803	0
2031 Aug	0.0008398	0.085258357	1.03945E-05	1.076331854	1.53118240 8	0.011496959	0.000363609	3.846974373	0.001020068	0.009082917	6.41283E-05	4.31476E-05	5.23227E-05	0.06606286	2.0789E-06	5.93063E-05	0.00010187	0.001200464	0
2031 Sep	0.000928956	0.087682709	9.99822E-06	1.120877385	1.734448552	0.009566076	0.000547738	4.198779106	0.000999656	0.01066545	1.83E-05	2.01882E-05	4.38551E-05	0.072485812	1.99964E-06	7.99044E-05	0.000161613	0.001105248	0
2031 Oct	0.001004729	0.095398419	1.01489E-05	1.146826506	1.847084522	0.009641496	0.000591167	4.374161243	0.001014893	0.011671069	1.92828E-05	2.02979E-05	4.05966E-05	0.075507566	2.02979E-06	8.8294E-05	0.000199926	0.001121456	0
2031 Nov	0.001013842	0.096263759	1.02409E-05	1.157216787	1.863832116	0.00972882	0.000596528	4.413805008	0.001024086	0.011776946	1.94576E-05	2.04817E-05	4.09636E-05	0.076191902	2.04817E-06	8.90951E-05	0.000201743	0.001131615	0
2031 Dec	0.001014188	0.096296608	1.02444E-05	1.157611489	1.864468098	0.00973214	0.000596732	4.41531086	0.001024435	0.011780965	1.94642E-05	2.04887E-05	4.09776E-05	0.076217897	2.04887E-06	8.91255E-05	0.000201812	0.001132001	0
2032 Jan	0.0010194	0.097995438	1.02416E-05	1.170625806	1.901718616	0.010908727	0.000594835	4.463807583	0.001033807	0.011792826	2.51109E-05	2.17498E-05	4.15093E-05	0.077624232	2.04831E-06	8.91796E-05	0.000213236	0.001134376	0
2032 Feb	0.001026668	0.100318603	1.02398E-05	1.188504934	1.952611089	0.012506615	0.000592378	4.530452728	0.001046718	0.011811213	3.27741E-05	2.34645E-05	4.22385E-05	0.079546727	2.04795E-06	8.92703E-05	0.000228771	0.001137818	0
2032 Mar	0.001031859	0.101688564	1.02518E-05	1.199577093	1.98231101	0.013377128	0.000591816	4.571852207	0.001054953	0.011836049	3.69143E-05	2.44113E-05	4.26821E-05	0.080676004	2.05036E-06	8.94322E-05	0.00023737	0.001141105	0

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.001044944	0.103457905	1.03597E-05	1.217605233	2.018475771	0.013995693	0.000597343	4.640113831	0.001069968	0.011966751	3.95927E-05	2.51815E-05	4.33514E-05	0.082103431	2.07194E-06	9.04054E-05	0.000244519	0.001154204	0
2032 May	0.00111175	0.118278079	1.08362E-05	1.344927669	2.316249609	0.022009578	0.000596253	5.087984562	0.001177769	0.012515238	0.000110749	4.18791E-05	5.20049E-05	0.09357553	2.16724E-06	9.36565E-05	0.000336777	0.001260776	0
2032 Jun	0.000645984	0.093768828	9.60999E-06	0.959205449	1.459544539	0.023212368	0.000116529	2.919327736	0.001035051	0.008939488	0.00017594	0.000216066	4.92605E-05	0.059369788	1.922E-06	5.12386E-05	0.00054739	0.001969125	0
2032 Jul	0.000589918	0.07810501	9.13515E-06	0.809616327	1.108873606	0.013492394	0.000107141	2.436698914	0.000906568	0.008235137	9.81024E-05	0.000184649	3.965E-05	0.045833401	1.82703E-06	4.58239E-05	0.00039902	0.001778091	0
2032 Aug	0.000683903	0.080072984	9.74254E-06	0.925734997	1.277719617	0.012539629	0.000217717	3.008407116	0.000963061	0.008638263	7.85881E-05	0.000132892	4.51921E-05	0.054187883	1.94851E-06	5.2061E-05	0.000290591	0.001589162	0
2032 Sep	0.000891923	0.087131165	1.02857E-05	1.116976738	1.674996138	0.010507407	0.000489565	4.0669837	0.001026272	0.010363992	3.06108E-05	4.38264E-05	4.67979E-05	0.07067775	2.05714E-06	7.48661E-05	0.00018282	0.001241682	0
2032 Oct	0.001000165	0.095585383	1.04267E-05	1.166711926	1.847646832	0.010092142	0.000579539	4.400948524	0.001042083	0.011618906	2.26201E-05	2.67561E-05	4.31421E-05	0.076089971	2.08533E-06	8.70011E-05	0.000200377	0.001178826	0
2032 Nov	0.001009489	0.096182942	1.03705E-05	1.1657058	1.860630989	0.009952166	0.000589173	4.419877529	0.001036741	0.011726827	2.12101E-05	2.39056E-05	4.22517E-05	0.07636106	2.07411E-06	8.82343E-05	0.000201604	0.001160248	0
2032 Dec	0.000994622	0.094555385	1.01076E-05	1.13999331	1.830180287	0.009637279	0.000583539	4.338894844	0.001010646	0.011553845	1.97322E-05	2.13242E-05	4.06999E-05	0.074921332	2.02151E-06	8.72385E-05	0.000198174	0.001121898	0
2033 Jan	0.001003063	0.097205549	1.01061E-05	1.160379052	1.888208628	0.011448569	0.000580913	4.415117264	0.001025343	0.011577022	2.84086E-05	2.32424E-05	4.15223E-05	0.07711187	2.02121E-06	8.73631E-05	0.000215821	0.001125741	0
2033 Feb	0.001019445	0.101254381	1.01562E-05	1.193680763	1.975634098	0.013938948	0.000580281	4.53983736	0.001050355	0.011666474	4.02089E-05	2.59588E-05	4.28457E-05	0.080443762	2.03125E-06	8.79672E-05	0.000240596	0.001136809	0
2033 Mar	0.001094501	0.111023985	1.07959E-05	1.295060515	2.174309492	0.017131651	0.000613485	4.923558235	0.00113546	0.012431691	5.38316E-05	3.00679E-05	4.6607E-05	0.088315584	2.15919E-06	9.36697E-05	0.000278297	0.001213623	0
2033 Apr	0.001137339	0.117254503	1.11305E-05	1.356739521	2.302751064	0.019566352	0.000629746	5.156559944	0.001186232	0.012841959	6.4621E-05	3.30345E-05	4.89254E-05	0.093359537	2.2261E-06	9.67058E-05	0.000305465	0.001255519	0
2033 May	0.001232823	0.183535621	1.08298E-05	1.808988452	3.648405313	0.069935463	0.000410822	6.614685059	0.001558292	0.012478277	0.00055554	0.00014205	9.48123E-05	0.143644661	2.16596E-06	8.76122E-05	0.000861151	0.001603583	0
2033 Jun	0.00096846	0.170506701	9.31212E-06	1.58808732	3.260290623	0.07363119	0.000156713	5.49572897	0.001433097	0.009961651	0.000630577	0.000213118	9.45879E-05	0.127634525	1.86242E-06	6.2429E-05	0.000965948	0.001777993	0
2033 Jul	0.000967556	0.151296467	1.02731E-05	1.432246566	2.713372946	0.054250874	0.000174406	4.941690922	0.001345619	0.010311843	0.000466575	0.000186624	8.09588E-05	0.107254609	2.05463E-06	6.20669E-05	0.000733036	0.001769878	0
2033 Aug	0.000980123	0.11878287	1.13947E-05	1.275730014	2.048910856	0.026722625	0.000301924	4.513228893	0.001218894	0.01046568	0.00021519	9.9092E-05	6.54321E-05	0.084451377	2.27893E-06	6.45139E-05	0.000319756	0.001510686	0
2033 Sep	0.000959271	0.091305591	9.95914E-06	1.121890664	1.778752565	0.009763836	0.000560491	4.242690563	0.000997317	0.011078181	2.19029E-05	2.12659E-05	4.17189E-05	0.073357187	1.99183E-06	8.3265E-05	0.000183873	0.001104928	0
2033 Oct	0.0009741	0.092490315	9.83945E-06	1.111856818	1.790772319	0.009347538	0.000573144	4.240791321	0.000983945	0.011315285	1.86956E-05	1.96792E-05	3.93582E-05	0.073205329	1.96789E-06	8.56025E-05	0.000193835	0.00108726	0
2033 Nov	0.001006458	0.095562682	1.01663E-05	1.148787141	1.85025692	0.009657967	0.000592183	4.381654263	0.001016626	0.011691174	1.93161E-05	2.03326E-05	4.06652E-05	0.075636916	2.03325E-06	8.84462E-05	0.000200274	0.001123372	0
2033 Dec	0.001007583	0.095669508	1.01776E-05	1.150071144	1.852325201	0.009668762	0.000592845	4.386552334	0.001017762	0.011704242	1.93377E-05	2.03553E-05	4.07106E-05	0.075721465	2.03552E-06	8.85451E-05	0.000200498	0.001124628	0
2034 Jan	0.001012976	0.097398162	1.01761E-05	1.163366199	1.890199065	0.010858911	0.000591002	4.436108112	0.00102736	0.011717695	2.5046E-05	2.16322E-05	4.1253E-05	0.077152058	2.03521E-06	8.86108E-05	0.000212067	0.001127169	0
2034 Feb	0.001020428	0.099737354	1.01762E-05	1.181447268	1.941396475	0.012457176	0.00058866	4.50352478	0.001040452	0.011738285	3.27059E-05	2.33492E-05	4.19892E-05	0.079087161	2.03524E-06	8.87183E-05	0.000227626	0.001130821	0
2034 Mar	0.001025855	0.101135552	1.01904E-05	1.192822695	1.97166419	0.013335449	0.000588213	4.546075344	0.001048945	0.011765618	3.68777E-05	2.43064E-05	4.2444E-05	0.080239095	2.03807E-06	8.88989E-05	0.000236323	0.001134353	0
2034 Apr	0.00104872	0.103889421	1.03945E-05	1.222341776	2.02709341	0.014100209	0.000599263	4.658113003	0.00107403	0.012007662	4.00015E-05	2.53279E-05	4.35233E-05	0.082448632	2.0789E-06	9.07127E-05	0.000245901	0.001158208	0
2034 May	0.001219857	0.166716367	1.10701E-05	1.69853878	3.29923439	0.056145843	0.000476951	6.261250019	0.001470623	0.012767454	0.000433117	0.000114496	8.38618E-05	0.130625755	2.21403E-06	9.14007E-05	0.000714946	0.001535852	0
2034 Jun	0.001014196	0.178821892	9.64769E-06	1.663975716	3.429794312	0.077621795	0.000165638	5.772659302	0.001496195	0.01036639	0.000665213	0.000219984	9.92328E-05	0.134214208	1.92954E-06	6.51824E-05	0.001011051	0.001834275	0
2034 Jul	0.000957738	0.143338487	1.05971E-05	1.368527293	2.496829987	0.046955198	0.000178689	4.69989109	0.001310271	0.010412657	0.000403614	0.000180246	7.5591E-05	0.099163674	2.11942E-06	6.17949E-05	0.000653994	0.001783835	0
2034 Aug	0.000975814	0.115959719	1.16646E-05	1.330157876	2.102165222	0.026701206	0.000355093	4.677032471	0.001256634	0.01060393	0.000197465	9.79159E-05	6.83934E-05	0.087761901	2.33292E-06	6.80694E-05	0.00032719	0.001558023	0
2034 Sep	0.000970811	0.093259625	1.00668E-05	1.135964751	1.808461189	0.010407885	0.0005602	4.291286945	0.001011468	0.011205345	2.81417E-05	2.40952E-05	4.24584E-05	0.074452549	2.01336E-06	8.39326E-05	0.000194009	0.001126671	0
2034 Oct	0.000987338	0.093747355	9.97314E-06	1.126964688	1.815108657	0.009474584	0.000580932	4.298418045	0.000997315	0.011469066	1.895E-05	1.99468E-05	3.98928E-05	0.074200109	1.99463E-06	8.67659E-05	0.00019647	0.001102034	0
2034 Nov	0.001009941	0.095893458	1.02014E-05	1.152762413	1.856660604	0.009691401	0.000594233	4.396817684	0.001020144	0.011731638	1.93831E-05	2.0403E-05	4.08058E-05	0.075898677	2.04029E-06	8.87523E-05	0.000200968	0.001127259	0
2034 Dec	0.00101121	0.096013963	1.02143E-05	1.154211164	1.858994007	0.00970358	0.000594979	4.402343273	0.001021426	0.011746381	1.94075E-05	2.04287E-05	4.08571E-05	0.075994059	2.04285E-06	8.88639E-05	0.000201221	0.001128676	0
2035 Jan	0.001015436	0.097380511	1.02125E-05	1.164699197	1.888947248	0.010647415	0.000593486	4.441430569	0.001028987	0.011756432	2.39358E-05	2.14408E-05	4.12853E-05	0.077125162	2.0425E-06	8.89113E-05	0.000210389	0.001130632	0
2035 Feb	0.001021481	0.099252947	1.02137E-05	1.179219007	1.929901242	0.011920426	0.000591689	4.495580673	0.001039522	0.01177415	3.00338E-05	2.28094E-05	4.18759E-05	0.07867375	2.04275E-06	8.90069E-05	0.000222794	0.001133667	0
2035 Mar	0.001025605	0.100348204	1.0223E-05	1.188055873	1.953654647	0.012618437	0.000591214	4.528618336	0.001046088	0.011793606	3.33547E-05	2.35683E-05	4.22302E-05	0.079576716	2.0446E-06	8.91332E-05	0.000229685	0.001136258	0
2035 Apr	0.00104434	0.10257884	1.03914E-05	1.212097287	1.998501778	0.013221866	0.000600371	4.619886398	0.001066557	0.01199293	3.58001E-05	2.43814E-05	4.31079E-05	0.081366241	2.07828E-06	9.06278E-05	0.000237319	0.001155875	0
2035 May	0.001154449	0.136330634	1.09701E-05	1.478203058	2.6805408	0.034506343	0.000553813	5.529301643	0.001289271	0.012653601	0.000231795	6.92187E-05	6.41427E-05	0.107329145	2.19403E-06	9.3118E-05	0.000476586	0.00137012	0
2035 Jun	0.000795821	0.130733714	9.37045E-06	1.25880456	2.330546856	0.047982674	0.000130961	4.149713993	0.001222036	0.009337071	0.000400158	0.000214422	7.12621E-05	0.092338465	1.87409E-06	5.59517E-05	0.000751929	0.001864625	0
2035 Jul	0.000769756	0.11858879	9.96406E-06	1.165479422	1.996257305	0.037213415	0.000130829	3.747309208	0.001181207	0.009567924	0.000304516	0.000217496	6.34171E-05	0.079879895	1.99281E-06	5.58647E-05	0.000660055	0.001964028	0
2035 Aug	0.000791225	0.081494644	1.02102E-05	1.125074744	1.617158175	0.014427346	0.00040399	3.945668221	0.001047635	0.008883948	6.71931E-05	5.47686E-05	5.61412E-05	0.070491254	2.04205E-06	6.14786E-05	0.00016818	0.001272632	0
2035 Sep	0.000953066	0.090237245	9.92833E-06	1.11783731	1.765816569	0.009475285	0.000561663	4.225979805	0.000992929	0.011011182	1.85071E-05	1.99799E-05	4.16169E-05	0.072962433	1.98567E-06	8.29375E-05	0.000178568	0.001097599	0
2035 Oct	0.000998552	0.094811529	1.00869E-05	1.139814734	1.835745931	0.009582652	0.000587533	4.347367764	0.001008692	0.011599232	1.91645E-05	2.01741E-05	4.03511E-05	0.075045072	2.01738E-06	8.77501E-05	0.000198682	0.001114606	0
2035 Nov	0.00103038	0.097834043	1.04079E-05	1.176090837	1.894234061	0.00988749	0.000606259	4.485796928	0.001040788	0.011969059	1.9775E-05	2.08158E-05	4.16316E-05	0.077434644	2.08158E-06	9.05485E-05	0.000205035	0.001150071	0
2035 Dec	0.001037462	0.098506451	1.04794E-05	1.184173822	1.907252789	0.009955444	0.000610426	4.516626835	0.001047942	0.012051321	1.99109E-05	2.09588E-05	4.19177E-05	0.077966832	2.09588E-06	9.11708E-05	0.000206444	0.001157975	0
2036 Jan	0.001047379	0.101959415	1.04639E-05	1.210230947	1.983199239	0.01240053	0.000605907	4.613631248	0.001066525	0.012064975	3.16709E-05	2.35701E-05	4.29882E-05	0.080828585	2.09279E-06	9.11997E-05	0.000230083	0.001161864	0
2036 Feb	0.001061972	0.106707193	1.04565E-05	1.246618748	2.087295532	0.015686594	0.000600632	4.749231815	0.001092734	0.012098551	4.74401E-05	2.70926E-05	4.44745E-05	0.084758788	2.0913E-06	9.13542E-05	0.000261992	0.00116854	0
2036 Mar	0.001069736	0.109217338	1.04533E-05	1.265884876	2.142314672	0.017420154	0.000597889	4.821033955	0.001106623	0.012117038	5.57574E-05	2.89516E-05	4.5261E-05	0.08683645	2.09066E-06	9.14415E-05	0.000278833	0.001172135	0
2036 Apr	0.00115658	0.131964162	1.06627E-05	1.450108171	2.635226727	0.031822525	0.0005892	5.509938717	0.001243807	0.012539484	0.00012423	4.46273E-05	5.26373E-05	0.105583847	2.13254E-06	9.42078E-05	0.000421214	0.001227604	0
2036 May	0.001391584	0.191941619	1.14669E-05	1.9405092	3.915783405	0.068840407	0.000567507	7.319161892	0.00161945	0.013845352	0.000328729	9.17255E-05	7.53497E-05	0.154391706	2.29338E-06	0.000102415	0.000797915	0.001430522	0
2036 Jun	0.000677768	0.10148304	9.6505E-06	1.022601247	1.632549286	0.028099038	0.000117689	3.16661787	0.001079359	0.00908024	0.000216303	0.000218805	5.34627E-05	0.065948002	1.9301E-06	5.23808E-05	0.000592279	0.001972356	0
2036 Jul	0.000700704	0.091109864	1.01216E-05	0.929324985	1.32416594	0.016337406	0.000134069	2.911443949	0.001012794	0.009181682	0.000126063	0.000182959	4.57125E-05	0.054418381	2.02432E-06	5.13634E-05	0.00040736	0.001846124	0
2036 Aug	0.000844819	0.095593683	1.13144E-05	1.105862617	1.561900139	0.014699134	0.000284765	3.727207661	0.001118102	0.010038429	9.62888E-05	0.000121449	5.39444E-05	0.066187419	2.26287E-06	6.13213E-05	0.000270932	0.001669905	0
2036 Sep	0.000931692	0.088735707	1.00264E-05	1.11825037	1.734846592	0.009756339	0.000539936	4.181941509	0.001002004	0.010736739	2.17358E-05	2.47504E-05	4.35624E-05	0.072284281	2.00528E-06	7.99645E-05	0.000171973	0.001127865	0
2036 Oct	0.001011479	0.096039839	1.02179E-05	1.154601097	1.859520674	0.009707372	0.000595125	4.40370369	0.00102179	0.011749371	1.94182E-05	2.04431E-05	4.0877E-05	0.076017678	2.04358E-06	8.88846E-05	0.000201253	0.00112911	0
2036 Nov	0.001008956	0.095799968	1.01917E-05	1.151656866	1.85485661	0.009682202	0.00059365	4.392572403	0.00101917	0.011720166	1.93652E-05	2.03851E-05	4.07681E-05	0.075825408	2.03834E-06	8.86651E-05	0.000200767	0.00112619	0
2036 Dec	0.001010181	0.095916241	1.0204E-05	1.153044939	1.857104778	0.009693806	0.000594373	4.397882462	0.001020396	0.011734412	1.9388E-05	2.04088E-05	4.08165E-05	0.075917058	2.04079E-06	8.87732E-05	0.000201013	0.001127541	0
2037 Jan	0.00101994	0.099058904	1.02005E-05	1.177188635	1.925974131	0.011861056	0.000590978	4.487868309	0.001037812	0.011758171	2.97845E-05	2.27333E-05	4.18018E-05	0.078518055	2.0401E-06	8.88872E-05	0.000222073	0.001132097	0
2037 Feb	0.001033534	0.103285126	1.02026E-05	1.209931254	2.01842761	0.014738355	0.000586873	4.60997057	0.001061556	0.011797377	4.35693E-05	2.58261E-05	4.31339E-05	0.082013577	2.04052E-06	8.90969E-05	0.000250103	0.001138876	0
2037 Mar	0.001045425	0.106012002	1.02491E-05	1.232880712	2.077008963	0.01634757	0.000587282	4.695988178	0.001079017	0.011870902	5.11586E-05	2.76002E-05	4.40405E-05	0.084253795	2.04983E-06	8.96058E-05	0.000266254	0.00114758	0
2037 Apr	0.001063109	0.108674161	1.03825E-05	1.258834362	2.132112026	0.017437192	0.000593634	4.794046879	0.001100233	0.012036564	5.60272E-05	2.89013E-05	4.50172E-05	0.086411275	2.0765E-06	9.08299E-05	0.000278254	0.001164507	0
2037 May	0.001208839	0.192267463	1.0341E-05	1.846230388	3.827471733	0.079160035	0.000343595	6.705414772	0.001586267	0.011928199	0.000652849	0.000162595	0.000102184	0.150024146	2.0682E-06	8.22179E-05	0.000960642	0.001625272	0
2037 Jun	0.000976766	0.172338888	9.34497E-06	1.603653431	3.299822569	0.0746952	0.000157379	5.554567337	0.00144486	0.010014317	0.000640151	0.000214182	9.56621E-05	0.12914741	1.86899E-06	6.28063E-05	0.000976526	0.001783441	0
2037 Jul	0.000974833	0.144871533	1.05743E-05	1.37773478	2.528054953	0.047379822	0.00018348	4.772994518	0.001310196	0.010404412	0.000410156	0.000170781	7.61692E-05	0.100339085	2.11487E-06	6.17705E-05	0.000636851	0.001727607	0
2037 Aug	0.000893768	0.09870258	1.08366E-05	1.195503712	1.809207082	0.019128457	0.000364869	4.242002964	0.001124153	0.009661051	0.000128841	6.60028E-05	6.01424E-05	0.076735139	2.16733E-06	6.31401E-05	0.000209394	0.001341979	0
2037 Sep	0.000936086	0.089903027	1.04638E-05	1.168205976	1.776850462	0.011134904	0.000533243	4.318771362	0.001051531	0.010626313	3.22579E-05	2.65695E-05	4.88952E-05	0.075009301	2.09276E-06	7.82123E-05	0.000160793	0.001174642	0
2037 Oct	0.001004123	0.095348448	1.015E-05	1.146845818	1.846371174	0.009651174	0.000590683	4.37325716	0.001015037	0.011662262	1.9375E-05	2.0341E-05	4.06511E-05	0.075495288	2.03E-06	8.82117E-05	0.000199625	0.001121708	0
2037 Nov	0.001031393	0.097931303	1.04192E-05	1.177352428	1.896155238	0.009899493	0.000606836	4.490463734	0.001041924	0.011980561	1.98096E-05	2.08444E-05	4.16842E-05	0.077515684	2.08384E-06	9.06332E-05	0.00020521	0.001151339	0
2037 Dec	0.001032552	0.098041356	1.04309E-05	1.178672552	1.898284793	0.009910552	0.000607519	4.495503426	0.001043091	0.011994035	1.98314E-05	2.08676E-05	4.17307E-05	0.077602662	2.08617E-06	9.07352E-05	0.000205441	0.001152629	0
2038 Jan	0.001037345	0.099645652	1.04263E-05	1.190885782	1.933506727	0.011031898	0.000605601	4.540998936	0.001051851	0.012003242	2.52178E-05	2.20676E-05	4.22307E-05	0.078931317	2.08527E-06	9.07709E-05	0.00021631	0.001154691	0
2038 Feb	0.001044178	0.101837195	1.04243E-05	1.20773828	1.981523156	0.012541008	0.000603261	4.603814602	0.001064015	0.012020245	3.2456E-05	2.36866E-05	4.29182E-05	0.080744974	2.08486E-06	9.08538E-05	0.000230979	0.001157906	0
2038 Mar	0.001048728	0.103103392	1.04318E-05	1.217826247	2.009058714	0.013365274	0.000602498	4.641501427	0.001071455	0.01203936	3.63866E-05	2.45793E-05	4.33244E-05	0.081789918	2.08637E-06	9.09737E-05	0.000239081	0.001160598	0
2038 Apr	0.001063113	0.104986586	1.05533E-05	1.237282753	2.047393322	0.013987364	0.00060883	4.715219498	0.001087752	0.012185548	3.90459E-05	2.53666E-05	4.40437E-05	0.083306998	2.11067E-06	9.20643E-05	0.000246406	0.001175177	0
2038 May	0.001161671	0.143671706	1.08836E-05	1.526582956	2.831682682	0.04037847	0.000526467	5.684796333	0.001328028	0.012555919	0.000286057	8.12459E-05	6.90288E-05	0.11295668	2.17671E-06	9.16877E-05	0.00053985	0.001402058	0
2038 Jun	0.001044754	0.185256824	9.66537E-06	1.718708634	3.580439329	0.081594996	0.000172687	5.997913837	0.001531497	0.010501516	0.000700557	0.000219179	0.00010293	0.139951155	1.93307E-06	6.65323E-05	0.001043719	0.001820717	0
2038 Jul	0.001120543	0.182242289	1.1507E-05	1.716616154	3.349070787	0.070078537	0.000198012	5.933294773	0.001588943	0.011803581	0.000601216	0.000224924	9.87489E-05	0.13191177	2.30141E-06	7.21511E-05	0.000935513	0.002045013	0
2038 Aug	0.00086404	0.091549903	1.06871E-05	1.209775209	1.800375938	0.017901117	0.000417932	4.294386864	0.001115551	0.009403974	0.000101369	5.20661E-05	6.0974E-05	0.077585824	2.13741E-06	6.46105E-05	0.000185141	0.001287372	0
2038 Sep	0.000948897	0.090330109	1.01284E-05	1.13905859	1.776951432	0.010169862	0.000553931	4.272069931	0.001015931	0.010897942	2.38391E-05	2.22792E-05	4.43261E-05	0.073978923	2.02569E-06	8.15291E-05	0.000173981	0.001126207	0
2038 Oct	0.00101429	0.096307367	1.02478E-05	1.157973886	1.864799023	0.009737817	0.000596772	4.416374683	0.001024791	0.011781603	1.94912E-05	2.05045E-05	4.1008E-05	0.076237291	2.04955E-06	8.91263E-05	0.000201768	0.00113241	0
2038 Nov	0.00102518	0.097340956	1.03569E-05	1.170310736	1.884764671	0.00984055	0.000603187	4.463549614	0.001035695	0.011908308	1.96908E-05	2.07194E-05	4.14381E-05	0.077051252	2.07137E-06	9.00864E-05	0.000203959	0.001144453	0
2038 Dec	0.001024849	0.097309493	1.03535E-05	1.169926405	1.884152174	0.009837251	0.000602993	4.4620924	0.001035354	0.011904475	1.96839E-05	2.07123E-05	4.1424E-05	0.077026069	2.07069E-06	9.00575E-05	0.000203895	0.001144076	0
2039 Jan	0.001030352	0.099135973	1.0349E-05	1.18385756	1.924235106	0.011110167	0.000600855	4.513994217	0.001045358	0.011915681	2.57966E-05	2.20752E-05	4.19939E-05	0.078538448	2.06979E-06	9.01037E-05	0.00021624	0.001146487	0
2039 Feb	0.001038079	0.101617165	1.03465E-05	1.202931046	1.97860086	0.01281951	0.000598196	4.585088253	0.001059123	0.011934779	3.39956E-05	2.39089E-05	4.2772E-05	0.080591835	2.06931E-06	9.01964E-05	0.000232854	0.001150113	0

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.001045504	0.103274532	1.03777E-05	1.216994762	2.014137983	0.013781925	0.000598638	4.637826443	0.001069871	0.011982519	3.85257E-05	2.49732E-05	4.3326E-05	0.081952453	2.07553E-06	9.05294E-05	0.000242548	0.001155677	0
2039 Apr	0.001060491	0.105285414	1.0502E-05	1.237552524	2.055200577	0.014475803	0.000605033	4.715677738	0.001087016	0.012132844	4.15215E-05	2.58403E-05	4.40884E-05	0.083574235	2.1004E-06	9.16492E-05	0.000250601	0.001170726	0
2039 May	0.001144929	0.12440531	1.10964E-05	1.400822163	2.439437151	0.024938453	0.000601768	5.288760662	0.00122519	0.012816492	0.000134873	4.76979E-05	5.53239E-05	0.098364554	2.21929E-06	9.56401E-05	0.000370867	0.001307278	0
2039 Jun	0.000633089	0.088592462	9.64467E-06	0.921183765	1.346789718	0.019440636	0.000125721	2.780697584	0.001007535	0.008939203	0.000140521	0.000211369	4.5906E-05	0.05513221	1.92893E-06	5.14111E-05	0.000510208	0.001961022	0
2039 Jul	0.000629295	0.080756269	9.35113E-06	0.830764234	1.144903064	0.013082618	0.000120094	2.567479134	0.000919106	0.008426618	9.84496E-05	0.000171494	4.03913E-05	0.047294151	1.87023E-06	4.68861E-05	0.000364623	0.001725024	0
2039 Aug	0.000741354	0.08682365	9.85727E-06	0.902820051	1.270996332	0.011993212	0.000179255	3.013524294	0.000950235	0.008839021	9.61471E-05	0.000121658	4.33374E-05	0.052766651	1.97145E-06	5.02624E-05	0.000246541	0.001506983	0
2039 Sep	0.00088013	0.091617562	1.01146E-05	1.038117051	1.57521975	0.01091024	0.000391364	3.740537167	0.000993958	0.010324582	5.72926E-05	7.04991E-05	4.27402E-05	0.064938828	2.02292E-06	6.98527E-05	0.000221832	0.001323665	0
2039 Oct	0.001002247	0.09576676	1.02156E-05	1.146493673	1.839303017	0.009802427	0.000580215	4.356478214	0.001020244	0.011649826	2.22662E-05	2.42028E-05	4.10335E-05	0.075230002	2.04311E-06	8.75141E-05	0.00020294	0.001144276	0
2039 Nov	0.001015601	0.096986026	1.0343E-05	1.161533356	1.8641119	0.009915662	0.000588838	4.415166855	0.001033098	0.011804339	2.22781E-05	2.41536E-05	4.15296E-05	0.076240867	2.06861E-06	8.8733E-05	0.000205315	0.001157116	0
2039 Dec	0.001017241	0.097131595	1.03581E-05	1.163363218	1.867180943	0.009928294	0.000589963	4.422421932	0.001034622	0.011823263	2.22587E-05	2.41203E-05	4.15868E-05	0.076365635	2.07161E-06	8.88865E-05	0.000205583	0.001158517	0
2040 Jan	0.001020777	0.098300584	1.03542E-05	1.172299385	1.89300096	0.010745694	0.000588677	4.455873966	0.001040978	0.011830328	2.61628E-05	2.4958E-05	4.19481E-05	0.077339567	2.07085E-06	8.89213E-05	0.000213492	0.001159809	0
2040 Feb	0.001025985	0.099934854	1.03537E-05	1.184937835	1.928854704	0.011864065	0.000587078	4.503077507	0.001050098	0.011844583	3.15123E-05	2.61406E-05	4.24607E-05	0.078694507	2.07075E-06	8.89984E-05	0.000224369	0.001162227	0
2040 Mar	0.001032293	0.101156026	1.03888E-05	1.195788741	1.954745293	0.012506735	0.000588221	4.543869019	0.001058593	0.011892701	3.45002E-05	2.68665E-05	4.28816E-05	0.079692751	2.07777E-06	8.93438E-05	0.000230992	0.001167497	0
2040 Apr	0.00104639	0.102876171	1.05148E-05	1.214109659	1.98927331	0.012995555	0.000594878	4.613238811	0.001074189	0.012041328	3.6531E-05	2.7549E-05	4.35565E-05	0.08106824	2.10296E-06	9.04513E-05	0.000237074	0.001182395	0
2040 May	0.001158644	0.144630313	1.09165E-05	1.529924631	2.838885069	0.041138045	0.000513617	5.679467201	0.001335475	0.012516074	0.000298179	8.61743E-05	7.0243E-05	0.113221489	2.1833E-06	9.0804E-05	0.000550034	0.001425334	0
2040 Jun	0.000945391	0.16427283	9.48637E-06	1.539523721	3.10204792	0.068981364	0.000153522	5.280135155	0.001409117	0.009989797	0.000588378	0.00021707	9.08468E-05	0.121693693	1.89727E-06	6.20155E-05	0.000933176	0.001828544	0
2040 Jul	0.00092711	0.145828843	1.02237E-05	1.389394164	2.596605301	0.051819135	0.000163936	4.726697445	0.00132282	0.010196251	0.000441678	0.000197816	7.82581E-05	0.10279645	2.04474E-06	6.11108E-05	0.000737393	0.001834865	0
2040 Aug	0.00088281	0.095681131	1.07557E-05	1.150537133	1.709919214	0.016574016	0.000351753	4.088071823	0.001091561	0.009549947	0.000111107	6.22471E-05	5.71411E-05	0.072650105	2.15114E-06	6.15788E-05	0.000177576	0.00131427	0
2040 Sep	0.000908304	0.08581581	1.01637E-05	1.133636832	1.7142407 89	0.00997756	0.000531613	4.19852066	0.001016969	0.010340532	2.10694E-05	2.1861E-05	4.69801E-05	0.072567321	2.03273E-06	7.67489E-05	0.00014596	0.00112782	0
2040 Oct	0.001032996	0.098029532	1.05569E-05	1.191087484	1.904551864	0.01006898	0.000607449	4.527458191	0.001055764	0.011973361	2.02761E-05	2.13039E-05	4.30117E-05	0.078165166	2.11138E-06	9.03977E-05	0.000201244	0.001167124	0
2040 Nov	0.001061419	0.100745238	1.08048E-05	1.219687104	1.955042124	0.010291687	0.000624284	4.641512871	0.001080528	0.012311878	2.06773E-05	2.17388E-05	4.37523E-05	0.080130368	2.16095E-06	9.30173E-05	0.000208279	0.001194327	0
2040 Dec	0.001060457	0.100655027	1.07922E-05	1.218312502	1.953145742	0.010278861	0.000623726	4.636627197	0.001079273	0.012301292	2.06485E-05	2.17094E-05	4.36842E-05	0.080045767	2.15845E-06	9.29414E-05	0.000208187	0.001192928	0
2041 Jan	0.001066075	0.10262277	1.07815E-05	1.232992411	1.996354938	0.011672379	0.000621125	4.691447735	0.001089688	0.0123089	2.73556E-05	2.31939E-05	4.42781E-05	0.081669711	2.15629E-06	9.29587E-05	0.000221725	0.001194928	0
2041 Feb	0.00107458	0.105351277	1.07782E-05	1.253899217	2.056097031	0.013550267	0.000618212	4.769461155	0.001104756	0.012330188	3.63646E-05	2.5207E-05	4.51263E-05	0.083924323	2.15564E-06	9.3064E-05	0.000240013	0.001198844	0
2041 Mar	0.001082512	0.107149169	1.08101E-05	1.269068956	2.094681025	0.014603718	0.000618573	4.826349258	0.001116316	0.012380122	4.1329E-05	2.63696E-05	4.57238E-05	0.085400194	2.16201E-06	9.3411E-05	0.000250609	0.001204693	0
2041 Apr	0.001096798	0.109143198	1.09256E-05	1.289178848	2.135630846	0.015338428	0.000624347	4.902369022	0.001132985	0.01252015	4.45439E-05	2.72728E-05	4.64776E-05	0.087014049	2.18512E-06	9.44506E-05	0.000258933	0.001218886	0
2041 May	0.00118204	0.146829784	1.11028E-05	1.563096404	2.899365664	0.041786566	0.000532811	5.813549995	0.001359548	0.012736146	0.000294262	8.34972E-05	7.10256E-05	0.115760006	2.22056E-06	9.28867E-05	0.000552938	0.001431438	0
2041 Jun	0.000661233	0.094736047	9.69787E-06	0.973530591	1.486239791	0.023182899	0.000130072	2.988173485	0.001043735	0.009080048	0.000173865	0.000212477	4.95074E-05	0.060459711	1.93957E-06	5.26203E-05	0.000543369	0.001961024	0
2041 Jul	0.000588156	0.079218991	9.33693E-06	0.825475156	1.125104666	0.014100728	0.000104243	2.445842505	0.000930902	0.008420708	0.000100285	0.000198531	4.05363E-05	0.046532072	1.86739E-06	4.68897E-05	0.000431901	0.001871155	0
2041 Aug	0.00070635	0.082424901	1.0259E-05	0.986286998	1.353498578	0.01333565	0.000244484	3.185850859	0.001021126	0.009064262	7.66725E-05	0.000142271	4.83427E-05	0.057780951	2.05179E-06	5.56548E-05	0.000317025	0.001696803	0
2041 Sep	0.000897886	0.086204484	1.02951E-05	1.1317029	1.695709229	0.01027243	0.00051184	4.142756939	0.001028956	0.010356156	2.46027E-05	3.46413E-05	4.74728E-05	0.071847126	2.05901E-06	7.5842E-05	0.000166254	0.001202601	0
2041 Oct	0.001025141	0.097372189	1.04008E-05	1.174106359	1.886287808	0.009899157	0.000602561	4.471731186	0.001040059	0.011905445	1.99501E-05	2.13271E-05	4.18385E-05	0.077204324	2.08016E-06	8.99736E-05	0.000203528	0.001151718	0
2041 Nov	0.001046126	0.099350333	1.05943E-05	1.19644773	1.924186349	0.010075555	0.000615156	4.559564114	0.001059416	0.012150317	2.02417E-05	2.15022E-05	4.25176E-05	0.078715481	2.11886E-06	9.18639E-05	0.000207891	0.001172119	0
2041 Dec	0.001046932	0.099426329	1.06017E-05	1.197305799	1.925642252	0.010082328	0.00061564	4.562938213	0.00106016	0.012159726	2.02529E-05	2.15089E-05	4.25437E-05	0.078773528	2.12034E-06	9.19365E-05	0.000208059	0.001172903	0
2042 Jan	0.001052033	0.10107138	1.05994E-05	1.20990777	1.961687565	0.011217112	0.00061386	4.609958172	0.001069234	0.012172064	2.5697E-05	2.27213E-05	4.30559E-05	0.080133945	2.11988E-06	9.19963E-05	0.000219094	0.001175213	0
2042 Feb	0.001058841	0.103275672	1.05962E-05	1.22680378	2.010002613	0.012740104	0.000611444	4.672953129	0.001081404	0.012188152	3.30045E-05	2.43519E-05	4.37446E-05	0.081957906	2.11924E-06	9.20722E-05	0.000233892	0.001178323	0
2042 Mar	0.001064762	0.104685262	1.06169E-05	1.238530636	2.040361166	0.013589808	0.000611435	4.71688509	0.00109027	0.01222267	3.70219E-05	2.52843E-05	4.42093E-05	0.083116874	2.12338E-06	9.23084E-05	0.000242382	0.001182501	0
2042 Apr	0.001091909	0.107833564	1.08654E-05	1.272910953	2.103393793	0.014384675	0.000625049	4.847398281	0.001119691	0.012514923	4.01735E-05	2.63876E-05	4.54633E-05	0.085639581	2.17308E-06	9.45013E-05	0.000252698	0.00121126	0
2042 May	0.00125133	0.178891316	1.12014E-05	1.79112339	3.545647144	0.064409599	0.000451173	6.569374084	0.001548315	0.01289377	0.000511549	0.000132438	9.19668E-05	0.139979362	2.24028E-06	9.13092E-05	0.000806925	0.001611905	0
2042 Jun	0.00070638	0.107281782	9.72724E-06	1.072897911	1.763312817	0.031464137	0.00012382	3.366427898	0.001114612	0.009245468	0.00024992	0.000219689	5.71684E-05	0.07095249	1.94545E-06	5.37772E-05	0.000622402	0.001974814	0
2042 Jul	0.00066662	0.08535891	9.79195E-06	0.875248134	1.214802384	0.013959887	0.000127628	2.722991467	0.000963953	0.008829749	0.000106512	0.000176132	4.26364E-05	0.050127659	1.95839E-06	4.91377E-05	0.000376267	0.001786212	0
2042 Aug	0.000762153	0.073865294	9.90028E-06	1.053409457	1.458209753	0.010062134	0.000402603	3.721132755	0.000982275	0.008508299	3.15273E-05	3.82406E-05	5.14998E-05	0.064330623	1.98006E-06	5.89615E-05	9.94591E-05	0.001166573	0
2042 Sep	0.000938115	0.088523895	1.00587E-05	1.128728628	1.750651121	0.009608749	0.000554127	4.232850552	0.001005864	0.010780844	1.8081E-05	2.01379E-05	4.39044E-05	0.073076762	2.01174E-06	8.08733E-05	0.000164622	0.00111157	0
2042 Oct	0.001021972	0.09702868	1.03304E-05	1.167235255	1.879109979	0.00981457	0.000601339	4.451095581	0.001033041	0.011869899	1.96146E-05	2.06611E-05	4.13686E-05	0.076835729	2.06608E-06	8.97896E-05	0.00020308	0.001141512	0
2042 Nov	0.001043796	0.099102147	1.05495E-05	1.192008138	1.919168949	0.010022555	0.000614175	4.545754433	0.001054947	0.012123684	2.00332E-05	2.10992E-05	4.22362E-05	0.078469716	2.1099E-06	9.17111E-05	0.000207475	0.001165718	0
2042 Dec	0.001044208	0.099141404	1.05535E-05	1.192463279	1.91991961	0.01002635	0.000614417	4.547509193	0.001055348	0.01212 85	2.00411E-05	2.11072E-05	4.22513E-05	0.078500018	2.1107E-06	9.17478E-05	0.000207562	0.001166161	0
2043 Jan	0.001048646	0.100657687	1.05478E-05	1.203945398	1.953235626	0.011093308	0.000612514	4.590275764	0.001063557	0.0121358	2.51701E-05	2.22477E-05	4.27217E-05	0.079755835	2.10956E-06	9.17706E-05	0.000217894	0.001167975	0
2043 Feb	0.00105508	0.10273613	1.05452E-05	1.219897032	1.998787284	0.012528164	0.000610249	4.649731159	0.001075058	0.012151212	3.20542E-05	2.37864E-05	4.33726E-05	0.081475928	2.10904E-06	9.18438E-05	0.000231836	0.001170956	0
2043 Mar	0.001059622	0.103962988	1.05544E-05	1.229748487	2.025420427	0.01331618	0.000609641	4.686553955	0.001082357	0.012171806	3.58066E-05	2.46419E-05	4.37682E-05	0.08248768	2.11088E-06	9.19761E-05	0.000239604	0.001173749	0
2043 Apr	0.00108692	0.107094772	1.08054E-05	1.264087915	2.088019609	0.014083518	0.000623477	4.817002773	0.001111786	0.012467047	3.88182E-05	2.5712E-05	4.50164E-05	0.084994778	2.16108E-06	9.41935E-05	0.000249689	0.001202688	0
2043 May	0.001216024	0.15950048	1.11975E-05	1.653328896	3.150850296	0.050152175	0.000507295	6.11853075	0.001434695	0.012906978	0.00037688	0.000102095	7.89731E-05	0.125137717	2.23951E-06	9.31711E-05	0.000650291	0.001506691	0
2043 Jun	0.000948693	0.16395025	9.65626E-06	1.54031074	3.082439184	0.068105832	0.000155064	5.267133236	0.00141666	0.01011837	0.000579837	0.000220556	9.05379E-05	0.121020146	1.93125E-06	6.26466E-05	0.000931625	0.001865485	0
2043 Jul	0.000960513	0.141008094	1.08332E-05	1.351693034	2.421122074	0.044145092	0.000181254	4.62894392	0.001306161	0.010544669	0.000379284	0.000179703	7.38701E-05	0.096383728	2.16663E-06	6.2163E-05	0.000626059	0.001809292	0
2043 Aug	0.000853037	0.090391673	1.06397E-05	1.183203936	1.746239185	0.016937077	0.000402346	4.185011387	0.001100479	0.009355457	9.58591E-05	5.62101E-05	5.93503E-05	0.075235076	2.12794E-06	6.35527E-05	0.000183316	0.001301936	0
2043 Sep	0.000914995	0.086097926	1.0156E-05	1.135357976	1.723673582	0.009781882	0.00054101	4.216541767	0.001015883	0.010444845	1.82656E-05	2.05824E-05	4.64112E-05	0.072822899	2.0312E-06	7.79092E-05	0.000148147	0.001123216	0
2043 Oct	0.000997392	0.094587237	1.02089E-05	1.151807189	1.839698434	0.00971814	0.000587238	4.376437664	0.001020936	0.011558849	1.92455E-05	2.04576E-05	4.16863E-05	0.075552173	2.04179E-06	8.72823E-05	0.000193485	0.001128232	0
2043 Nov	0.001036687	0.098429866	1.04751E-05	1.18364203	1.905989766	0.009951893	0.00060998	4.514157772	0.001047514	0.012041609	1.98987E-05	2.09513E-05	4.1923E-05	0.077924348	2.09503E-06	9.10931E-05	0.000206159	0.001157506	0
2043 Dec	0.0010357	0.098336294	1.0465E-05	1.182495236	1.904165506	0.009942198	0.000609399	4.509808064	0.001046497	0.012030181	1.98796E-05	2.09309E-05	4.1881E-05	0.077849254	2.09299E-06	9.10069E-05	0.00020597	0.001156381	0
2044 Jan	0.001043036	0.100763686	1.04593E-05	1.201018453	1.957424879	0.011632021	0.000606579	4.578826427	0.001059803	0.012045435	2.79939E-05	2.27405E-05	4.26383E-05	0.079858877	2.09186E-06	9.10711E-05	0.000222363	0.001159613	0
2044 Feb	0.001055232	0.104263633	1.04746E-05	1.22867918	2.033665657	0.01394042	0.000604099	4.682112217	0.001080107	0.012092414	3.90171E-05	2.52351E-05	4.37553E-05	0.082748957	2.09492E-06	9.13572E-05	0.000244995	0.001166526	0
2044 Mar	0.001064954	0.106451273	1.05146E-05	1.247196078	2.080599308	0.015216957	0.000604606	4.7515401 84	0.00109424	0.012154217	4.50293E-05	2.66454E-05	4.44853E-05	0.084545255	2.10291E-06	9.17873E-05	0.000257839	0.001173761	0
2044 Apr	0.001078825	0.108516373	1.06202E-05	1.267420769	2.123292685	0.016050113	0.000609683	4.827967644	0.001110805	0.012285087	4.87421E-05	2.76439E-05	4.52454E-05	0.08621823	2.12405E-06	9.27551E-05	0.000267052	0.001187106	0
2044 May	0.001165196	0.125264928	1.12895E-05	1.417476773	2.458818913	0.024322338	0.000619859	5.362726212	0.001238514	0.013057062	0.000120348	4.47457E-05	5.4678E-05	0.099225745	2.2579E-06	9.77001E-05	0.000363766	0.001314853	0
2044 Jun	0.000664554	0.100366503	9.33904E-06	1.007150769	1.629182458	0.028601499	0.000114213	3.134114742	0.001056292	0.008818158	0.000225723	0.000212226	5.33983E-05	0.06569057	1.86781E-06	5.09724E-05	0.000585627	0.001906944	0
2044 Jul	0.000700495	0.099676155	1.0459E-05	1.017797828	1.519425273	0.023165451	0.000122437	3.09925127	0.001106034	0.009632121	0.000176688	0.000227624	5.19946E-05	0.061970241	2.0918E-06	5.45631E-05	0.000557975	0.002104331	0
2044 Aug	0.000861826	0.100082502	1.18547E-05	1.215947151	1.745618105	0.018748598	0.000326654	4.044735432	0.001213255	0.010527465	0.000114051	0.00014147	6.06574E-05	0.074334443	2.37094E-06	6.66894E-05	0.000352773	0.001840966	0
2044 Sep	0.000960933	0.090953462	1.0052E-05	1.13105154	1.782069206	0.009594664	0.000566333	4.270753384	0.001005255	0.011095476	1.86677E-05	2.03354E-05	4.23724E-05	0.07373631	2.0104E-06	8.35164E-05	0.000178708	0.00111179	0
2044 Oct	0.000991365	0.094126672	1.00173E-05	1.131906271	1.822667003	0.009516899	0.000583313	4.316830635	0.001001731	0.011515173	1.90285E-05	2.0037E-05	4.00912E-05	0.074518055	2.00346E-06	8.71105E-05	0.000197144	0.001106923	0
2044 Nov	0.001002717	0.095206529	1.01296E-05	1.144631147	1.843431473	0.009623296	0.000589986	4.365659714	0.001012963	0.011647499	1.92448E-05	2.026E-05	4.05258E-05	0.075360857	2.02592E-06	8.81144E-05	0.000199488	0.001119327	0
2044 Dec	0.001003718	0.095301546	1.01397E-05	1.145770907	1.845269918	0.009632871	0.000590574	4.370009422	0.001013971	0.011659128	1.9264E-05	2.02802E-05	4.0566E-05	0.075435944	2.02794E-06	8.82024E-05	0.000199688	0.001120441	0
2045 Jan	0.001007614	0.096558973	1.01382E-05	1.155424476	1.872827768	0.010500707	0.000589207	4.405990124	0.001020932	0.011668497	2.34275E-05	2.12109E-05	4.096E-05	0.076476619	2.02763E-06	8.8247E-05	0.000208121	0.00112225	0
2045 Feb	0.001013005	0.098265141	1.01376E-05	1.168586254	1.91018486	0.011669918	0.000587456	4.455059052	0.001030451	0.011682839	2.90328E-05	2.24663E-05	4.14962E-05	0.077888228	2.02753E-06	8.83202E-05	0.000219496	0.001124853	0
2045 Mar	0.001018535	0.099442154	1.01635E-05	1.178724051	1.935333967	0.012333026	0.000588022	4.493107796	0.00103826	0.011720714	3.21424E-05	2.32039E-05	4.18935E-05	0.07885325	2.03269E-06	8.85874E-05	0.000226221	0.001129161	0
2045 Apr	0.001029758	0.100903459	1.02586E-05	1.193856716	1.965060592	0.012811046	0.000592993	4.550449848	0.001050947	0.011835071	3.41811E-05	2.38105E-05	4.24526E-05	0.080030195	2.05172E-06	8.94408E-05	0.000231868	0.001140556	0
2045 May	0.001095342	0.107502103	1.09051E-05	1.270910501	2.094057322	0.013784858	0.00063002	4.843815804	0.001118533	0.012582539	3.73264E-05	2.55333E-05	4.52233E-05	0.085268408	2.18103E-06	9.50808E-05	0.000248154	0.001213025	0
2045 Jun	0.000704019	0.085025214	9.89017E-06	1.28657186	1.510547042	0.016863624	0.000275132	8.710858345	0.001252772	0.009582716	9.09298E-05	0.000195716	4.93477E-05	0.060000721	2.28191E-06	6.54902E-05	0.000459293	0.001898748	8.72545E-05
2045 Jul	0.000699637	0.087417319	1.03992E-05	1.43812108	1.542534471	0.018650658	0.000242026	11.0231266	0.001402106	0.009689985	0.000108699	0.000232706	5.47665E-05	0.060544252	2.51087E-06	6.5428E-05	0.000506401	0.00210642	0.000123763
2045 Aug	0.000831752	0.080445856	1.06494E-05	1.556275368	1.781538963	0.014526809	0.00049295	11.00513649	0.001377326	0.009478031	4.57785E-05	8.20352E-05	6.27003E-05	0.074559242	2.50313E-06	7.32952E-05	0.000195778	0.001422278	0.000107175
2045 Sep	0.000964461	0.089485675	1.0235E-05	1.526615143	1.963580966	0.012743209	0.000621033	10.50799656	0.001302945	0.011023902	2.67313E-05	4.39402E-05	5.24523E-05	0.07939633	2.3752E-06	8.94168E-05	0.000208279	0.001213588	9.42379E-05
2045 Oct	0.001035152	0.096546389	1.04718E-05	1.56313765	2.074003935	0.012931107	0.000662261	10.73939991	0.001328604	0.011933815	2.77457E-05	4.39857E-05	5.05117E-05	0.082685456	2.42478E-06	9.69608E-05	0.000239369	0.0012377	9.48743E-05
2045 Nov	0.001089675	0.101634763	1.10203E-05	1.64498806	2.183030128	0.013607495	0.000697113	11.30133343	0.001398142	0.012563002	2.92009E-05	4.62816E-05	5.31369E-05	0.087025054	2.55172E-06	0.000102073	0.000252069	0.001302496	9.98263E-05
2045 Dec	0.001108812	0.103422672	1.12109E-05	1.673408151	2.22115922	0.013841893	0.000709326	11.49615669	0.001422268	0.012784226	2.97075E-05	4.7074E-05	5.40358E-05	0.088538297	2.59579E-06	0.000103871	0.000256584	0.001324988	0.000101535
2046 Jan	0.001113276	0.105135716	1.11951E-05	1.685274124	2.258556128	0.015080712	0.000706567	11.53272724	0.001430544	0.01278457	3.56998E-05	4.83557E-05	5.45285E-05	0.089942016	2.59211E-06	0.000103827	0.000268563	0.001325976	0.000101383

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.001120816	0.10757421	1.11912E-05	1.703737497	2.31186533	0.016761493	0.000703882	11.59957504	0.001443828	0.012802751	4.377E-05	5.01479E-05	5.52802E-05	0.091953613	2.59118E-06	0.000103912	0.000284927	0.00132934	0.000101342
2046 Mar	0.001131656	0.109543107	1.12565E-05	1.724006534	2.354667902	0.017772611	0.000706673	11.70570183	0.001459726	0.012889783	4.84036E-05	5.14206E-05	5.60204E-05	0.093597181	2.6063E-06	0.000104584	0.000295505	0.001339176	0.000101931
2046 Apr	0.001165469	0.113353774	1.1568E-05	1.777713895	2.436860561	0.018795207	0.000725462	12.05195522	0.001504461	0.013253622	5.22875E-05	5.34131E-05	5.78133E-05	0.09683051	2.67842E-06	0.000107516	0.000308863	0.001377441	0.00010475
2046 May	0.001262236	0.161187872	1.16452E-05	2.118181944	3.406882763	0.053177897	0.000597309	13.18062496	0.001785005	0.013368668	0.000378274	0.000126563	8.92203E-05	0.133229867	2.69411E-06	0.000104219	0.000690164	0.001638113	0.000104821
2046 Jun	0.000681493	0.095601879	9.57579E-06	1.274855614	1.679056644	0.026461164	0.000188194	7.770338058	0.001254501	0.009102016	0.000189386	0.000220625	5.62524E-05	0.066398397	2.16305E-06	5.87446E-05	0.000569098	0.001961803	7.11801E-05
2046 Jul	0.000616325	0.080141269	9.47081E-06	1.090996504	1.286796212	0.016014263	0.000165201	6.505856991	0.001123916	0.008686778	0.000102513	0.00020878	4.60443E-05	0.051637568	2.10312E-06	5.39071E-05	0.000456026	0.001917748	5.99996E-05
2046 Aug	0.000694135	0.082614794	1.00922E-05	1.187449694	1.432073593	0.015531397	0.000252357	6.846851826	0.001178343	0.009125455	8.8267E-05	0.000173151	5.09761E-05	0.058827877	2.2201E-06	5.94203E-05	0.000383196	0.001810907	5.79024E-05
2046 Sep	0.000942727	0.090151496	1.00668E-05	1.266197085	1.818609595	0.011179771	0.000560297	6.591709137	0.001116103	0.010950952	2.78227E-05	4.0862E-05	4.59193E-05	0.074391462	2.14116E-06	8.39528E-05	0.000209634	0.001198412	3.66985E-05
2046 Oct	0.000979132	0.093291178	9.99368E-06	1.25432694	1.862262726	0.010799452	0.000585688	6.420200825	0.00109771	0.01139863	2.54285E-05	3.44245E-05	4.30488E-05	0.075364128	2.11346E-06	8.79811E-05	0.000219007	0.001162115	3.29402E-05
2046 Nov	0.000986157	0.093956172	1.00633E-05	1.26165688	1.874865651	0.010859446	0.000589788	6.440915585	0.001104234	0.011480171	2.5529E-05	3.44899E-05	4.33093E-05	0.075881019	2.12687E-06	8.85918E-05	0.000220306	0.001169511	3.2792E-05
2046 Dec	0.000988183	0.094149068	1.0084E-05	1.264184356	1.878688335	0.010881091	0.000590996	6.453138351	0.001106451	0.011503749	2.55783E-05	3.45538E-05	4.33965E-05	0.076036073	2.13118E-06	8.87729E-05	0.000220747	0.00117188	3.2844E-05
2047 Jan	0.000992261	0.095391281	1.00858E-05	1.273847222	1.905830979	0.011720163	0.00058987	6.489068985	0.001113479	0.011516552	2.9595E-05	3.5456E-05	4.37891E-05	0.077062994	2.13153E-06	8.88443E-05	0.000228933	0.001173982	3.28417E-05
2047 Feb	0.000998006	0.09708593	1.00909E-05	1.287199497	1.942823291	0.012851042	0.000588516	6.539531708	0.001123242	0.011536829	3.50015E-05	3.66807E-05	4.4329E-05	0.07846377	2.1326E-06	8.89644E-05	0.000239999	0.001177135	3.28542E-05
2047 Mar	0.001008935	0.098768421	1.01726E-05	1.304535508	1.978171468	0.013568087	0.000592375	6.618132114	0.00113734	0.011638009	3.82231E-05	3.76351E-05	4.49696E-05	0.079840556	2.14985E-06	8.97248E-05	0.000247908	0.001188049	3.31177E-05
2047 Apr	0.001020842	0.100286826	1.02762E-05	1.321776748	2.009533644	0.014056502	0.000597893	6.700217247	0.001151787	0.011761026	4.02909E-05	3.83941E-05	4.55888E-05	0.081077598	2.17174E-06	9.06619E-05	0.000253841	0.001200944	3.34537E-05
2047 May	0.001098051	0.12969102	1.05533E-05	1.543884516	2.606083632	0.033965234	0.000537841	7.458199501	0.001336259	0.01207343	0.000225828	8.05005E-05	6.4484E-05	0.103642546	2.22794E-06	9.06546E-05	0.000475359	0.001374714	3.36779E-05
2047 Jun	0.001028174	0.177770287	9.66175E-06	1.768754601	3.477448225	0.077343263	0.00020149	7.501158237	0.001566507	0.01045778	0.000656102	0.000216834	0.000100622	0.135615811	2.02179E-06	6.84217E-05	0.001000037	0.001815184	2.56813E-05
2047 Jul	0.00105471	0.167741895	1.10076E-05	1.705503821	3.126224279	0.063665144	0.000217703	7.273109913	0.001566402	0.011271788	0.000537224	0.000217031	9.2929E-05	0.122801706	2.29481E-06	7.12274E-05	0.000867437	0.00197159	2.67847E-05
2047 Aug	0.000949003	0.114738286	1.1158E-05	1.426270843	2.207287312	0.030116469	0.000379793	6.183460712	0.001309054	0.010292091	0.000216388	0.000102404	7.12697E-05	0.091365457	2.31001E-06	6.95289E-05	0.000371779	0.001530191	2.25107E-05
2047 Sep	0.000956922	0.092838883	1.01287E-05	1.217493057	1.85057056	0.012129543	0.000557511	5.415876865	0.001077187	0.011009335	3.89466E-05	3.32636E-05	4.63216E-05	0.076187164	2.08466E-06	8.33003E-05	0.000208563	0.001170453	1.69208E-05
2047 Oct	0.000987105	0.095885508	1.00285E-05	1.205487251	1.882263541	0.011795647	0.000574429	5.356672764	0.001062138	0.011442343	3.77719E-05	3.20138E-05	4.31364E-05	0.076483987	2.06009E-06	8.70139E-05	0.000227024	0.001155263	1.562E-05
2047 Nov	0.001012114	0.098277971	1.02784E-05	1.234272718	1.928570151	0.012048484	0.000589089	5.472135544	0.001087542	0.011733309	3.83816E-05	3.25965E-05	4.41375E-05	0.078365698	2.11046E-06	8.92219E-05	0.00023233	0.001183205	1.57288E-05
2047 Dec	0.001023423	0.099375002	1.03932E-05	1.24802351	1.950084686	0.012181932	0.000595674	5.532744408	0.001099661	0.011864427	3.8801E-05	3.29546E-05	4.4629E-05	0.079240128	2.134E-06	9.02188E-05	0.000234911	0.001196398	1.58967E-05
2048 Jan	0.00103123	0.101798877	1.03945E-05	1.266798139	2.003103018	0.013831266	0.00059333	5.602645397	0.001113276	0.011887066	4.67013E-05	3.47261E-05	4.53927E-05	0.081244767	2.13426E-06	9.03401E-05	0.000250979	0.001200291	1.58943E-05
2048 Feb	0.001042865	0.10517896	1.04074E-05	1.293504238	2.076803923	0.016072379	0.000590797	5.703201771	0.001132854	0.011930282	5.74171E-05	3.71568E-05	4.64725E-05	0.084037237	2.1369E-06	9.06002E-05	0.000272937	0.001206837	1.59118E-05
2048 Mar	0.001048407	0.106910415	1.04079E-05	1.306901217	2.114690304	0.017253276	0.000589089	5.753134251	0.001142561	0.011945935	6.30755E-05	3.84254E-05	4.70178E-05	0.085469447	2.137E-06	9.06829E-05	0.000284437	0.001209576	1.59114E-05
2048 Apr	0.001093769	0.11716	1.05951E-05	1.394694686	2.334959984	0.023254277	0.000591323	6.095601082	0.001209648	0.012233693	9.14772E-05	4.52205E-05	5.04814E-05	0.093894616	2.17539E-06	9.26928E-05	0.00034494	0.001244247	1.61831E-05
2048 May	0.001202758	0.131709874	1.1522E-05	1.549722075	2.632905483	0.028242033	0.0006382	6.750696659	0.001339571	0.01333895	0.000114612	5.25643E-05	5.63504E-05	0.105648018	2.36566E-06	0.000100958	0.000404128	0.001360855	1.75916E-05
2048 Jun	0.000698379	0.092669919	9.78455E-06	1.032094717	1.509481788	0.020490101	0.000196059	3.945489407	0.001069139	0.009389848	0.00013448	0.00019093	4.75342E-05	0.06131253	2.00155E-06	5.78147E-05	0.00049221	0.001870842	1.2818E-05
2048 Jul	0.000616206	0.08271613	9.63909E-06	0.909621358	1.219662905	0.015574051	0.000124595	3.284749508	0.000999975	0.00876231	0.000108463	0.000205734	4.33918E-05	0.050106082	1.96456E-06	5.01962E-05	0.000456567	0.001932905	1.05503E-05
2048 Aug	0.000696117	0.082910798	1.0053E-05	1.005258799	1.363005877	0.014337297	0.000232434	3.741213322	0.001034992	0.00898259	8.67485E-05	0.000150271	4.80983E-05	0.0574595	2.04402E-06	5.53675E-05	0.000340379	0.001708255	9.59957E-06
2048 Sep	0.000927713	0.091361843	1.0059E-05	1.135967135	1.748882294	0.011080842	0.000515792	4.535524845	0.001029675	0.010884115	3.57495E-05	4.53297E-05	4.35816E-05	0.072084092	2.03449E-06	8.02335E-05	0.000221237	0.001225005	6.51275E-06
2048 Oct	0.000980829	0.094758451	1.00743E-05	1.156040072	1.830175996	0.010589448	0.000565876	4.659442425	0.001028994	0.011438964	2.89535E-05	3.11521E-05	4.16426E-05	0.074719444	2.03482E-06	8.60555E-05	0.000217114	0.00116135	5.73304E-06
2048 Nov	0.000994965	0.096067145	1.02086E-05	1.171372175	1.855764747	0.010703607	0.000574531	4.717089176	0.001042262	0.011601999	2.90514E-05	3.11503E-05	4.21429E-05	0.075756192	2.06152E-06	8.73151E-05	0.000219583	0.00117496	5.6872E-06
2048 Dec	0.000996191	0.096184723	1.0221E-05	1.172797561	1.858038783	0.010716231	0.000575245	4.722724915	0.001043527	0.011616273	2.90823E-05	3.11829E-05	4.21938E-05	0.075849041	2.06403E-06	8.74229E-05	0.000219843	0.001176373	5.69165E-06
2049 Jan	0.00100096	0.097678259	1.02212E-05	1.184341788	1.890726328	0.011735903	0.000573762	4.765717506	0.001051886	0.011629563	3.39678E-05	3.22759E-05	4.26636E-05	0.077084593	2.06406E-06	8.74927E-05	0.000229769	0.001178702	5.6904E-06
2049 Feb	0.001007428	0.099690005	1.02222E-05	1.199925065	1.934737325	0.013105779	0.000571805	4.823822975	0.001063184	0.011648178	4.05307E-05	3.37479E-05	4.32976E-05	0.078748539	2.06425E-06	8.75922E-05	0.000243113	0.001181921	5.69024E-06
2049 Mar	0.001013919	0.101073615	1.02531E-05	1.211914778	1.964274287	0.013885022	0.000572449	4.869569302	0.001072452	0.01169288	4.41977E-05	3.46437E-05	4.37689E-05	0.079881921	2.07049E-06	8.79064E-05	0.000251047	0.001187176	5.70708E-06
2049 Apr	0.001032347	0.103334866	1.04194E-05	1.236378074	2.009744644	0.014535042	0.000581112	4.966465473	0.001093327	0.011888023	4.69503E-05	3.56616E-05	4.46745E-05	0.081692033	2.10409E-06	8.93609E-05	0.000259254	0.001207401	5.79945E-06
2049 May	0.001117938	0.125528067	1.09695E-05	1.420121789	2.456578732	0.027564287	0.000564136	5.616417408	0.001248435	0.012512021	0.000165209	6.34482E-05	5.81515E-05	0.098799855	2.21506E-06	9.25598E-05	0.000407802	0.00136038	6.07794E-06
2049 Jun	0.000645937	0.092601508	9.49738E-06	0.96988076	1.460359335	0.022860641	0.000127701	3.203790903	0.00103483	0.008863962	0.000171699	0.000209358	4.90327E-05	0.059339747	1.91447E-06	5.15412E-05	0.00053294	0.001924757	4.30511E-06
2049 Jul	0.000620476	0.083267577	9.65753E-06	0.885374486	1.21291852	0.015447525	0.000119971	2.861577511	0.000981587	0.008762705	0.000109882	0.000202236	4.30725E-05	0.049985237	1.94494E-06	4.95864E-05	0.000448959	0.001917263	3.85843E-06
2049 Aug	0.000736233	0.087129347	1.06541E-05	1.044835567	1.436095119	0.014854387	0.000251142	3.564430952	0.001078455	0.009481701	8.82202E-05	0.00015405	5.08246E-05	0.060921568	2.14376E-06	5.8391E-05	0.000350384	0.001789988	3.71257E-06
2049 Sep	0.000959806	0.09264601	1.00951E-05	1.137438297	1.788559437	0.01033288	0.000550758	4.392264366	0.001019247	0.011187241	2.70427E-05	3.2037E-05	4.24115E-05	0.073603868	2.0275E-06	8.35261E-05	0.000205857	0.001169155	2.43761E-06
2049 Oct	0.000979871	0.094542168	1.00829E-05	1.13921833	1.815592408	0.010233573	0.000563593	4.418087482	0.001017257	0.011448906	2.65049E-05	3.06579E-05	4.10884E-05	0.074213952	2.02439E-06	8.58391E-05	0.000214598	0.001161631	2.24323E-06
2049 Nov	0.000993024	0.09579093	1.02148E-05	1.154136181	1.839727521	0.010358464	0.000571337	4.47507	0.001030442	0.011601814	2.67531E-05	3.09154E-05	4.16103E-05	0.075198367	2.05076E-06	8.69974E-05	0.000217236	0.001176176	2.24232E-06
2049 Dec	0.000995706	0.096049353	1.02423E-05	1.157248855	1.844693661	0.010386264	0.000572883	4.48712492	0.001033219	0.011633138	2.68237E-05	3.09966E-05	4.17223E-05	0.075401351	2.05629E-06	8.72325E-05	0.000217819	0.001179338	2.2479E-06
2050 Jan	0.001001539	0.097753696	1.02484E-05	1.170663476	1.881848216	0.011518526	0.000571568	4.537233829	0.001043045	0.011654435	3.22363E-05	3.22232E-05	4.22653E-05	0.076808982	2.0575E-06	8.73592E-05	0.000228908	0.001182592	2.24892E-06
2050 Feb	0.001008611	0.099966936	1.02488E-05	1.187783122	1.930281758	0.013029022	0.000569374	4.601066113	0.001055447	0.011674248	3.94746E-05	3.38459E-05	4.29622E-05	0.078639798	2.05759E-06	8.74634E-05	0.000243616	0.001186076	2.24885E-06
2050 Mar	0.001012932	0.101209268	1.02542E-05	1.197603583	1.957337618	0.013848816	0.000568482	4.637770176	0.00106266	0.011690852	4.33914E-05	3.47366E-05	4.33592E-05	0.079665408	2.05868E-06	8.7564E-05	0.000251657	0.001188554	2.24996E-06
2050 Apr	0.00102797	0.103176028	1.03845E-05	1.218081474	1.997108817	0.014490045	0.000575022	4.716312885	0.001079972	0.011845366	4.61725E-05	3.56776E-05	4.41244E-05	0.08124084	2.08484E-06	8.87077E-05	0.000259384	0.001204716	2.2785E-06
2050 May	0.00109659	0.1156867	1.09462E-05	1.333124399	2.246396303	0.020345721	0.000586602	5.133117199	0.001178708	0.012485522	9.61851E-05	4.82431E-05	5.10747E-05	0.090940379	2.19759E-06	9.28924E-05	0.000329096	0.001306405	2.39838E-06
2050 Jun	0.000710362	0.107409544	9.56844E-06	1.08232069	1.791080713	0.032003496	0.0001335	3.523339987	0.001110842	0.009156865	0.000254362	0.00021156	5.74423E-05	0.071964726	1.91975E-06	5.39207E-05	0.000613866	0.001916748	1.73936E-06
2050 Jul	0.000649315	0.086769372	9.53178E-06	0.897954583	1.290255547	0.017087245	0.000127032	2.859297752	0.000975717	0.008710369	0.000129237	0.000185354	4.44208E-05	0.052908242	1.91156E-06	4.93641E-05	0.000428604	0.001808464	1.49352E-06
2050 Aug	0.000765641	0.088914566	1.0458E-05	1.043221712	1.519151211	0.015562018	0.000257632	3.637857199	0.001073871	0.009334558	0.000100053	0.000136674	5.21489E-05	0.062612355	2.09928E-06	5.83964E-05	0.000313986	0.001656426	9.26415E-06
2050 Sep	0.000994352	0.087726735	1.00478E-05	1.182330847	2.2958076	0.012388907	0.000560863	5.778123856	0.001223638	0.010630038	3.14608E-05	7.4941E-05	5.8533E-05	0.077389777	2.04555E-06	9.14349E-05	0.000215833	0.001197929	9.43278E-05
2050 Oct	0.001047723	0.09442424	1.03704E-05	1.213618994	2.303296089	0.012282431	0.000593814	5.707816124	0.001218483	0.011468317	3.15017E-05	6.73386E-05	5.5201E-05	0.079969771	2.10436E-06	9.60126E-05	0.000235216	0.001224489	7.79231E-05
2050 Nov	0.001061579	0.095871456	1.05195E-05	1.229654312	2.323290586	0.012408352	0.000601841	5.752374649	0.001230738	0.011642191	3.18644E-05	6.72402E-05	5.56057E-05	0.081008881	2.13381E-06	9.71541E-05	0.000238183	0.001241226	7.6737E-05
2050 Dec	0.001062323	0.096028581	1.05323E-05	1.230510354	2.32018137	0.012400575	0.000602341	5.742410183	0.001229855	0.011660405	3.18628E-05	6.68403E-05	5.54976E-05	0.081057303	2.13604E-06	9.71641E-05	0.000238286	0.001242346	7.57874E-05
2051 Jan	0.001064795	0.096865982	1.05347E-05	1.236580014	2.334899426	0.012933855	0.000601554	5.757480621	0.001233298	0.011672149	3.44497E-05	6.718E-05	5.56656E-05	0.081705563	2.13633E-06	9.71641E-05	0.000243523	0.001243653	7.52449E-05
2051 Feb	0.001068274	0.097968034	1.05369E-05	1.244936228	2.35719347	0.013662168	0.000600539	5.78487587	0.001238892	0.01168506	3.79537E-05	6.78479E-05	5.59659E-05	0.082594633	2.13668E-06	9.72034E-05	0.000250646	0.001245471	7.49743E-05
2051 Mar	0.001072042	0.098739021	1.05566E-05	1.2516644	2.373449564	0.014081948	0.000601043	5.809925079	0.001244108	0.011712604	3.99245E-05	6.83301E-05	5.62274E-05	0.083222874	2.14062E-06	9.73955E-05	0.000254958	0.001248648	7.4959E-05
2051 Apr	0.001091469	0.10077358	1.07378E-05	1.275694132	2.421038866	0.014551298	0.000611005	5.917891026	0.001267142	0.011916985	4.17066E-05	6.97084E-05	5.72833E-05	0.084925227	2.17734E-06	9.90736E-05	0.000261554	0.001270575	7.61562E-05
2051 May	0.001169029	0.12089128	1.12315E-05	1.441187382	2.826943874	0.026370952	0.000595356	6.495827198	0.001407264	0.012479815	0.000148744	9.49491E-05	6.94667E-05	0.10042233	2.27629E-06	0.000101969	0.000396344	0.001408579	7.64269E-05
2051 Jun	0.000882017	0.124871135	9.24894E-06	1.328741074	2.976615906	0.048375074	0.000204082	6.100073338	0.001455673	0.009054965	0.000383138	0.000241602	8.79011E-05	0.098060884	1.89078E-06	7.07249E-05	0.000724752	0.001780875	0.000112534
2051 Jul	0.000843656	0.111785293	9.52342E-06	1.233032346	2.717235565	0.039138194	0.000201477	5.837940693	0.001422944	0.009008911	0.000298847	0.000248752	8.1872E-05	0.086544357	1.94901E-06	7.06428E-05	0.000648567	0.001848611	0.000122998
2051 Aug	0.000855028	0.109650441	9.78631E-06	1.230005622	2.596354485	0.035889722	0.000227182	5.661696434	0.001390288	0.009153487	0.000270365	0.000224967	7.90859E-05	0.084980704	1.9966E-06	7.0248E-05	0.000584099	0.001790452	0.000108611
2051 Sep	0.000880067	0.102561295	9.6045E-06	1.211376071	2.668013096	0.031558532	0.0002955	6.526927471	0.00140996	0.009137447	0.000226936	0.00020716	7.9215E-05	0.083473817	1.96229E-06	7.65449E-05	0.000509156	0.00165233	0.000122752
2051 Oct	0.000990676	0.092336781	9.2287E-06	1.226799607	3.315299511	0.026944501	0.000447592	10.95098114	0.001667569	0.009191845	0.00018144	0.00022134	9.34853E-05	0.086437613	1.89758E-06	0.000100154	0.000423014	0.001465571	0.000188918
2051 Nov	0.001034037	0.092080586	9.26394E-06	1.257726312	3.606622934	0.027537271	0.000482801	12.71070576	0.001797167	0.009259723	0.000187195	0.0002405	0.000101556	0.089509286	1.90814E-06	0.000108193	0.000426224	0.001473376	0.000212126
2051 Dec	0.001042787	0.092107907	9.27007E-06	1.264812469	3.673130035	0.027789086	0.000488852	13.10743904	0.001827131	0.009264002	0.000189718	0.000245583	0.000103487	0.090225391	1.91018E-06	0.000109863	0.00042869	0.001478179	0.000217352
2052 Jan	0.001043316	0.092148483	9.27093E-06	1.265411019	3.676478148	0.027820101	0.000489135	13.12422848	0.001828501	0.009265524	0.000189904	0.00024578	0.00010357	0.090285391	1.91037E-06	0.000109937	0.000428984	0.0014784	0.00021753
2052 Feb	0.001043767	0.092224486	9.27381E-06	1.266134262	3.678284645	0.027858153	0.000489244	13.12789726	0.001829163	0.009269082	0.000190089	0.000245849	0.000103604	0.090349153	1.91095E-06	0.000109967	0.000429393	0.001478852	0.000217555
2052 Mar	0.001045285	0.092378259	9.28669E-06	1.268071532	3.683753252	0.02791279	0.000489901	13.14590645	0.001831754	0.009282323	0.000190422	0.000246186	0.000103749	0.090493992	1.9136E-06	0.000110118	0.000430138	0.001480902	0.000217834
2052 Apr	0.001048433	0.092667334	9.31432E-06	1.271942854	3.694910526	0.028004695	0.000491345	13.18488407	0.001837231	0.009310137	0.000191026	0.000246916	0.000104059	0.09077394	1.91929E-06	0.000110444	0.000431501	0.001485304	0.000218469
2052 May	0.001081655	0.102187715	9.46008E-06	1.347477794	3.874358416	0.033818308	0.000483182	13.28180218	0.001888145	0.00952334	0.000242995	0.000254716	0.000109143	0.098178864	1.94887E-06	0.00011114	0.000494012	0.001527396	0.000218317
2052 Jun	0.001247974	0.088015415	9.33908E-06	1.613849044	5.713737488	0.041920103	0.000545675	16.87522697	0.002636646	0.008172072	0.000244485	0.0004148	0.00016474	0.117586575	2.11659E-06	0.000158822	0.000575301	0.001647335	0.000608036
2052 Jul	0.00131773	0.086918779	9.72997E-06	1.644464254	6.059251308	0.040339861	0.000581779	19.86452293	0.002846208	0.008390473	0.000240878	0.000448827	0.000176328	0.119303599	2.20095E-06	0.000171444	0.000550541	0.001710514	0.00063301
2052 Aug	0.001373685	0.089141533	1.00543E-05	1.687223911	6.317773342	0.040794309	0.000620454	21.97175217	0.002984071	0.008673286	0.000251628	0.000463911	0.000184494	0.122926638	2.25642E-06	0.000178481	0.000545075	0.001745074	0.000633392
2052 Sep	0.001395208	0.088157058	1.00193E-05	1.683721781	6.422959328	0.039768785	0.000662441	23.74494171	0.003042701	0.008786712	0.000250596	0.000463703	0.000187306	0.123567067	2.23102E-06	0.000182559	0.000524278	0.001713239	0.00061301
2052 Oct	0.001462982	0.087586708	1.00025E-05	1.72956872	6.902682781	0.040812276	0.000721899	26.94114876	0.003259898	0.008876493	0.000263266	0.000496678	0.000200699	0.128560066	2.23143E-06	0.000196454	0.000532161	0.001723267	0.000644805
2052 Nov	0.001486253	0.087886229	1.0043E-05	1.749926567	7.068291664	0.041481193	0.000737219	27.89087486	0.003334932	0.008910093	0.000269572	0.000509267	0.000205508	0.13049233	2.24194E-06	0.000200679	0.000539108	0.001738618	0.000658089
2052 Dec	0.001496486	0.087910853	1.00487E-05	1.758134246	7.146978378	0.041780856	0.00074431	28.3631916	0.003370368	0.008913714	0.000272609	0.000515307	0.000207793	0.131331071	2.24398E-06	0.000202642	0.000542051	0.001744227	0.000664219

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.001499329	0.087945826	1.00507E-05	1.760534763	7.16844511	0.041876327	0.000746213	28.48996925	0.003379943	0.008915543	0.000273492	0.000516922	0.000208408	0.131576329	2.24459E-06	0.000203168	0.00054299	0.001745777	0.000665824
2053 Feb	0.001500686	0.088021964	1.00557E-05	1.762034059	7.176615238	0.041932836	0.000746928	28.52959442	0.003383558	0.008920476	0.000273882	0.000517495	0.000208633	0.131708741	2.24575E-06	0.000203369	0.000543603	0.001746918	0.000666431
2053 Mar	0.001503467	0.088202104	1.00742E-05	1.765369058	7.18983984	0.042020019	0.000748271	28.5809269	0.003389718	0.008937199	0.000274428	0.000518426	0.000209011	0.131961808	2.24986E-06	0.000203735	0.000544699	0.001750116	0.000667611
2053 Apr	0.001512096	0.088718116	1.01319E-05	1.775541663	7.23106432	0.042266633	0.000752542	28.74409294	0.003409112	0.008988605	0.000276025	0.000521386	0.000210206	0.132724375	2.26274E-06	0.000204899	0.000547876	0.001760139	0.000671412
2053 May	0.001611016	0.102682069	1.00503E-05	1.963065982	8.015598297	0.054707401	0.000778358	31.76857948	0.003713365	0.009068715	0.000386551	0.00057446	0.000233742	0.151537135	2.28248E-06	0.000223574	0.000677265	0.001821706	0.00072321
2053 Jun	0.001346707	0.086816557	9.01984E-06	1.998479247	6.42896986	0.049328867	0.000640415	22.57861519	0.003186864	0.00797589	0.000302471	0.000503169	0.000200904	0.146039531	2.34239E-06	0.000244229	0.000623643	0.001656948	0.00073707
2053 Jul	0.001414196	0.083983503	9.51844E-06	2.100486517	6.779221058	0.048068475	0.000693467	25.15590096	0.003439036	0.008327913	0.000286206	0.000550235	0.000214717	0.151601702	2.50733E-06	0.000270274	0.000623471	0.001778579	0.000793144
2053 Aug	0.001581637	0.088942744	1.01385E-05	2.261623621	7.815208435	0.052561246	0.000796772	30.97567558	0.003922556	0.008845546	0.000327451	0.000626593	0.000245317	0.165578529	2.6455E-06	0.000297488	0.000668584	0.001914334	0.000870305
2053 Sep	0.001825128	0.091647334	1.05312E-05	2.473522663	9.574151993	0.059612829	0.000960021	41.25469971	0.004722124	0.009147299	0.000395479	0.000760272	0.000296693	0.185902238	2.74713E-06	0.000342161	0.000739217	0.002071507	0.001007883
2053 Oct	0.00196041	0.092165701	1.06155E-05	2.572962999	10.59681606	0.063296653	0.00105532	47.48654175	0.005178668	0.009231774	0.000434409	0.000836894	0.000325959	0.19640699	2.76735E-06	0.000366489	0.000775011	0.002141027	0.00108234
2053 Nov	0.001968038	0.092121378	1.0598E-05	2.566335201	10.64625168	0.063154981	0.001063987	47.96351242	0.005196097	0.00925527	0.000435508	0.00083844	0.000326864	0.19629854	2.75423E-06	0.000366391	0.000772628	0.002135697	0.001079128
2053 Dec	0.0019737	0.092131197	1.06004E-05	2.570477962	10.68973923	0.063311309	0.001067987	48.22890472	0.005215503	0.00925746	0.000437163	0.000841716	0.000328111	0.196739808	2.75489E-06	0.000367425	0.000774134	0.002138546	0.001082333
2054 Jan	0.001975128	0.09217006	1.06013E-05	2.571608782	10.70028019	0.063366406	0.001068913	48.29105759	0.005220036	0.009258943	0.000437635	0.000842456	0.000328398	0.196863741	2.755E-06	0.00036765	0.000774663	0.002139209	0.001082989
2054 Feb	0.001975744	0.092236772	1.06037E-05	2.572452068	10.70369053	0.063408405	0.001069157	48.30480957	0.005221435	0.009261838	0.000437873	0.000842658	0.000328482	0.196940839	2.75554E-06	0.000367725	0.000775101	0.002139704	0.00108317
2054 Mar	0.001975955	0.092271984	1.06048E-05	2.572801352	10.70462704	0.063427515	0.001069207	48.30696106	0.005221779	0.0092633	0.000437966	0.000842697	0.000328501	0.196972221	2.75578E-06	0.000367742	0.000775301	0.002139894	0.001083194
2054 Apr	0.001985657	0.09273959	1.06569E-05	2.585476875	10.75706959	0.06374602	0.00107442	48.54243088	0.005247295	0.009309054	0.000440143	0.000846806	0.000330104	0.197945327	2.76929E-06	0.000369535	0.000779174	0.002150379	0.00108846
2054 May	0.001985254	0.100251436	1.07851E-05	2.603235722	10.66765976	0.066799812	0.00105353	47.60804367	0.005182368	0.009544222	0.000470454	0.000833784	0.000326758	0.200212419	2.77506E-06	0.000362321	0.000814421	0.002169495	0.001057283
2054 Jun	0.001422068	0.107712358	9.65646E-06	2.094244003	6.733780861	0.057878159	0.000650825	26.44048309	0.003367173	0.00901309	0.000415516	0.000537614	0.000211227	0.157067731	2.40489E-06	0.000248236	0.000746029	0.001873551	0.000636552
2054 Jul	0.001335369	0.090573192	9.55303E-06	2.0275774	6.052271366	0.046482563	0.000637305	24.22253036	0.003198553	0.008696199	0.000307909	0.000508546	0.000196857	0.145879835	2.473E-06	0.00025997	0.000611605	0.001786708	0.000644502
2054 Aug	0.001378895	0.090278968	9.76987E-06	2.028214455	6.27980423	0.04565734	0.000680025	26.15399933	0.003296779	0.008826445	0.000306816	0.00051302	0.00020286	0.146599233	2.48076E-06	0.000260037	0.000584323	0.001779075	0.000638097
2054 Sep	0.001409641	0.089099221	9.84445E-06	2.034393549	6.459028721	0.044953506	0.000721228	27.62131119	0.003372884	0.008908529	0.000302455	0.000516261	0.000207448	0.147651896	2.47725E-06	0.000262615	0.000565062	0.001760039	0.000638091
2054 Oct	0.001415639	0.08649978	9.68231E-06	2.061478138	6.46244669	0.043926716	0.0007481	27.76618767	0.003389939	0.008925928	0.000288289	0.000513881	0.000207914	0.149329573	2.4823E-06	0.000273452	0.000549336	0.001707911	0.00065451
2054 Nov	0.001420145	0.085254237	9.61894E-06	2.088095427	6.48032093	0.043731015	0.000760695	27.85543633	0.00341242	0.008923138	0.000282824	0.000515952	0.000209186	0.150987402	2.49804E-06	0.000280953	0.000544933	0.001689685	0.000668852
2054 Dec	0.001434049	0.085290365	9.62703E-06	2.098940134	6.587231159	0.044134468	0.000770288	28.49503326	0.003460308	0.008928159	0.000286925	0.000524115	0.000212275	0.152106971	2.5006E-06	0.000283549	0.000548907	0.001697292	0.00067714
2055 Jan	0.0014361	0.08533147	9.62794E-06	2.100529671	6.602766037	0.044210356	0.000771621	28.5858078	0.003467006	0.008929496	0.000287591	0.000525231	0.000212703	0.152280822	2.50075E-06	0.000283881	0.000549646	0.001698287	0.000678194
2055 Feb	0.001436263	0.085386992	9.62849E-06	2.100850344	6.603449345	0.044240799	0.000771584	28.5851020 8	0.003467068	0.008930818	0.000287727	0.000525213	0.000212702	0.152316466	2.50078E-06	0.000283864	0.000549946	0.001698355	0.000678114
2055 Mar	0.001437024	0.085457906	9.63337E-06	2.102016926	6.606874466	0.0442781	0.000771923	28.59778214	0.003468713	0.008935792	0.000287935	0.000525447	0.0002128	0.152407497	2.50198E-06	0.000283988	0.000550369	0.001699194	0.000678386
2055 Apr	0.001442833	0.085818015	9.67217E-06	2.110543489	6.633535862	0.044465005	0.000775004	28.71195412	0.003482622	0.008972049	0.00028913	0.000527545	0.000213652	0.153029397	2.51203E-06	0.00028512	0.000552668	0.001706027	0.000681078
2055 May	0.001469574	0.08731167	9.84032E-06	2.148490906	6.762131691	0.04529094	0.000789615	29.29077148	0.003549048	0.00912764	0.000294687	0.000537729	0.000217747	0.155825332	2.55579E-06	0.000290387	0.000562786	0.001736518	0.000693935
2055 Jun	0.001244868	0.078319162	9.27091E-06	2.125494719	5.425850868	0.040404655	0.00066326	23.39426804	0.00313399	0.008660405	0.000247541	0.000499931	0.000189853	0.147244886	2.60221E-06	0.00030217	0.000552165	0.00175199	0.000635629
2055 Jul	0.001230749	0.079701133	9.53365E-06	2.249883413	5.136072159	0.040343415	0.000659265	22.14764214	0.003115677	0.008998726	0.000241308	0.000498179	0.000187908	0.152872533	2.77503E-06	0.000326308	0.000554739	0.001795973	0.000639799
2055 Aug	0.001304339	0.083903342	1.003E-05	2.312447309	5.471452713	0.041710585	0.000696406	23.95927811	0.00327491	0.009420195	0.000255142	0.000519277	0.000197512	0.157838583	2.86586E-06	0.000332987	0.000566525	0.001867207	0.000656227
2055 Sep	0.001331488	0.083650947	1.00633E-05	2.250065327	5.665544033	0.040850244	0.000725266	25.42213631	0.003307559	0.009434542	0.000255174	0.000515073	0.000199551	0.155065835	2.79175E-06	0.000320508	0.00054563	0.001837618	0.000635984
2055 Oct	0.001375947	0.084428884	1.01289E-05	2.264609337	5.958868504	0.041587573	0.000757236	27.19173241	0.003424811	0.009542545	0.000264443	0.000532238	0.000206781	0.157305807	2.78825E-06	0.000324085	0.000552572	0.001852144	0.000649732
2055 Nov	0.001408939	0.084662706	1.01567E-05	2.28570962	6.201912403	0.042423654	0.000780246	28.64571381	0.003530314	0.009574261	0.00027332	0.000549583	0.000213517	0.15965721	2.7915E-06	0.000329148	0.00056071	0.00186787	0.000666603
2055 Dec	0.001422917	0.084667973	1.01605E-05	2.295646667	6.311175346	0.042822257	0.000789976	29.30181503	0.003578553	0.009575589	0.000277466	0.000557789	0.000216633	0.160736993	2.79251E-06	0.000331632	0.000564546	0.001874755	0.000674874
2056 Jan	0.001423861	0.084733017	1.01625E-05	2.296470165	6.317147732	0.042868868	0.000790481	29.33221245	0.003580922	0.009578514	0.000277781	0.000558137	0.000216778	0.160825327	2.79276E-06	0.000331726	0.000565012	0.00187524	0.000675157
2056 Feb	0.001424194	0.084811002	1.01642E-05	2.297063351	6.318519592	0.042910583	0.0007905	29.33315659	0.003581278	0.009581091	0.000277971	0.000558155	0.000216793	0.160883293	2.79305E-06	0.000331728	0.000565435	0.001875488	0.000675115
2056 Mar	0.001425218	0.084903605	1.01711E-05	2.298745155	6.323004246	0.042958669	0.000790978	29.35102463	0.00358359	0.009588161	0.00027824	0.000558495	0.00021693	0.161009997	2.79487E-06	0.000331925	0.000566	0.001876732	0.000675492
2056 Apr	0.001432034	0.085327439	1.02195E-05	2.309756756	6.353214264	0.043173805	0.00079471	29.48960114	0.003600583	0.009634124	0.000279609	0.000561132	0.000217957	0.161786303	2.80812E-06	0.00033349	0.000568796	0.001885649	0.000678662
2056 May	0.001426046	0.099421971	1.02896E-05	2.323283195	6.229177475	0.049745604	0.000747038	27.5887413	0.003465604	0.009898753	0.000343383	0.000535548	0.000211743	0.165462896	2.7708E-06	0.000315074	0.000641329	0.001896336	0.000624872
2056 Jun	0.001251088	0.10313119	9.37297E-06	2.332344294	5.215760708	0.053139798	0.000631094	21.20501518	0.003009929	0.009372833	0.000370485	0.000469023	0.000186751	0.164477974	2.68711E-06	0.000311618	0.000676044	0.001757357	0.000554896
2056 Jul	0.001331095	0.103700764	9.93938E-06	2.413022041	5.61335659	0.052825756	0.000679681	23.80233383	0.003242905	0.009814766	0.000368273	0.000510056	0.000199911	0.169374615	2.82668E-06	0.000329263	0.00068085	0.00187355	0.00059423
2056 Aug	0.001403815	0.105767943	1.03041E-05	2.41692543	6.004146099	0.052994549	0.000717592	26.25171089	0.003401607	0.010056366	0.000377289	0.000529415	0.000209438	0.170869529	2.85132E-06	0.000328092	0.000672482	0.001911792	0.000603875
2056 Sep	0.001494008	0.107674547	1.0575E-05	2.477274656	6.568127632	0.054716896	0.000779907	29.53770065	0.003648668	0.010330417	0.000394602	0.000566344	0.000224759	0.176882654	2.89347E-06	0.000339226	0.000689377	0.001965927	0.000638849
2056 Oct	0.001543027	0.105083883	1.04042E-05	2.420377254	6.977410793	0.053789563	0.000828212	32.37401581	0.00377924	0.010258988	0.000394267	0.000583011	0.000232411	0.175235286	2.79386E-06	0.000335239	0.000674401	0.001930596	0.000648207
2056 Nov	0.00157008	0.104700148	1.03921E-05	2.423863173	7.184475899	0.054082241	0.000849775	33.6786232	0.003862246	0.010264548	0.000398836	0.000595859	0.000237584	0.176338837	2.78037E-06	0.000337743	0.000676199	0.001933673	0.000660067
2056 Dec	0.001579968	0.104709141	1.0397E-05	2.431268692	7.26089859	0.054361738	0.000856634	34.13580704	0.0038963	0.010267099	0.00040169	0.000601653	0.00023978	0.177117214	2.78181E-06	0.00033955	0.000678924	0.00193887	0.000665998
2057 Jan	0.001580306	0.104762405	1.0399E-05	2.431675196	7.262153625	0.054385267	0.000856747	34.13873672	0.003896688	0.010269878	0.000401795	0.000601672	0.000239797	0.177156165	2.78212E-06	0.000339554	0.00067917	0.001939106	0.000665973
2057 Feb	0.00158056	0.104822047	1.04003E-05	2.432132721	7.263186932	0.054417156	0.00085676	34.13930893	0.003896957	0.010271857	0.000401939	0.000601685	0.000239809	0.17720066	2.78235E-06	0.000339556	0.000679494	0.001939296	0.000665943
2057 Mar	0.001582579	0.104979336	1.04134E-05	2.43527627	7.272392273	0.054499317	0.000857786	34.18024063	0.003901739	0.010285158	0.000402496	0.000602408	0.0002401	0.177435786	2.78579E-06	0.000339961	0.000680479	0.001941708	0.000666719
2057 Apr	0.001590598	0.105524674	1.04661E-05	2.447637796	7.309202194	0.054782722	0.000862094	34.35190582	0.003921398	0.010337379	0.00040456	0.000605434	0.000241308	0.178339899	2.79984E-06	0.000341667	0.000683994	0.001951509	0.000670054
2057 May	0.001613986	0.111512728	1.06627E-05	2.486785173	7.38950634	0.057630062	0.000860195	34.31681442	0.003941678	0.010580067	0.000430225	0.000607271	0.000243162	0.182060748	2.83087E-06	0.000340516	0.000717244	0.001988192	0.000663857
2057 Jun	0.001230625	0.098441564	9.5503E-06	2.287790537	5.079884052	0.048670713	0.000640156	21.50412178	0.002985443	0.0095367	0.000338329	0.000474764	0.000183394	0.158563435	2.71851E-06	0.000314063	0.000646479	0.001815749	0.00053223
2057 Jul	0.001276841	0.095747605	9.94989E-06	2.376342773	5.315434933	0.047343832	0.000681487	23.29952812	0.003171701	0.009824119	0.000322777	0.000511743	0.000193732	0.162768975	2.86393E-06	0.000337418	0.000642979	0.001914417	0.000575703
2057 Aug	0.00143636	0.103595115	1.08188E-05	2.587367773	6.161533833	0.0522407	0.000773123	27.73564339	0.00360296	0.010630045	0.00036254	0.000580441	0.000220604	0.178831071	3.08979E-06	0.000369769	0.000700751	0.002089852	0.000647396
2057 Sep	0.001573578	0.104538336	1.10118E-05	2.668461323	7.147469044	0.055333294	0.000869102	33.61836624	0.004029153	0.010786263	0.000395341	0.000647946	0.000247749	0.188010603	3.10899E-06	0.000388037	0.000727637	0.002154975	0.000713629
2057 Oct	0.001691979	0.103532806	1.09522E-05	2.703421116	8.081256866	0.057647564	0.000956145	39.36224365	0.004412892	0.010749309	0.000423827	0.000709713	0.000272206	0.194337487	3.06201E-06	0.000401328	0.000745669	0.002179745	0.000773418
2057 Nov	0.001721683	0.103713237	1.09808E-05	2.723605633	8.29955101	0.058402915	0.000976677	40.66075897	0.00450875	0.010776822	0.000431627	0.000725519	0.000278324	0.196512267	3.06676E-06	0.000406076	0.000753007	0.00219463	0.000789376
2057 Dec	0.001729895	0.103739649	1.09863E-05	2.729876995	8.362124443	0.05863608	0.000982322	41.03334045	0.004536676	0.010780548	0.000433987	0.000730249	0.000280123	0.19716309	3.06829E-06	0.000407564	0.000755292	0.002199057	0.000794232
2058 Jan	0.001732791	0.103758618	1.09863E-05	2.731882095	8.384993553	0.058731798	0.000984267	41.16838455	0.004546548	0.010780202	0.000434887	0.000731914	0.000280759	0.197392508	3.06819E-06	0.000408038	0.000756187	0.002200311	0.000795903
2058 Feb	0.001733506	0.103802413	1.09869E-05	2.732561588	8.390151024	0.058773328	0.000984635	41.19504166	0.004548633	0.01078116	0.000435166	0.000732246	0.000280889	0.197466835	3.06826E-06	0.000408128	0.000756589	0.002200649	0.000796207
2058 Mar	0.001734409	0.103862934	1.0991E-05	2.733819246	8.395145416	0.058813762	0.000985116	41.2194953	0.004551026	0.010785484	0.000435442	0.000732626	0.000281037	0.197568998	3.06937E-06	0.000408302	0.000757047	0.002201557	0.000796591
2058 Apr	0.001739828	0.104199126	1.10253E-05	2.742372751	8.421332359	0.0590037	0.000988159	41.34685898	0.004565141	0.010819271	0.000436824	0.00073489	0.000281908	0.198190287	3.0789E-06	0.000409562	0.000759468	0.002208397	0.000799041
2058 May	0.001821896	0.117008276	1.09767E-05	2.802065611	9.055936813	0.06821496	0.001001904	43.97755051	0.004753158	0.010911571	0.000528356	0.00076377	0.000296922	0.208183706	3.00992E-06	0.00040497	0.000852355	0.002238932	0.000805251
2058 Jun	0.001341603	0.106395163	9.45305E-06	2.62021184	5.854139328	0.058460925	0.00074233	25.6386795	0.003405002	0.009794265	0.00042233	0.000538436	0.000213839	0.183999747	2.88561E-06	0.000374973	0.00072591	0.001829695	0.000611894
2058 Jul	0.001388343	0.102855332	9.97008E-06	2.751472473	6.010885715	0.056244165	0.000796838	27.13058472	0.003597063	0.010224361	0.000395157	0.000573717	0.000223991	0.189866811	3.09653E-06	0.000408021	0.000711071	0.001932177	0.000661271
2058 Aug	0.001503501	0.106723651	1.04552E-05	2.835444689	6.686244011	0.058729563	0.000861606	30.97792435	0.003902532	0.010608202	0.000420938	0.000619832	0.000243057	0.19763203	3.18018E-06	0.000420779	0.000732992	0.002020851	0.000703952
2058 Sep	0.001550692	0.104612835	1.03965E-05	2.72863102	7.046545029	0.056997541	0.000900671	33.43763351	0.003983688	0.010553706	0.000414486	0.000624096	0.00024730 1	0.192853749	3.05278E-06	0.00040359	0.000706593	0.001980975	0.000697194
2058 Oct	0.001613268	0.103237398	1.0326E-05	2.676392078	7.521007061	0.056613691	0.000948587	36.48039246	0.004138829	0.010540635	0.000418477	0.000644674	0.000256427	0.191901237	2.96387E-06	0.000398119	0.00069871	0.001964425	0.000711497
2058 Nov	0.001632535	0.103381075	1.03513E-05	2.685012341	7.655086517	0.056966465	0.00096201	37.2956772	0.004195163	0.010570665	0.000422417	0.000653486	0.000259941	0.193009689	2.96445E-06	0.00040026	0.000702098	0.001972466	0.000720087
2058 Dec	0.001637143	0.103389114	1.03541E-05	2.688140869	7.690245152	0.057089165	0.000965186	37.48968124	0.004210642	0.010572516	0.000423688	0.000656092	0.000260934	0.193351746	2.96492E-06	0.000401029	0.000703292	0.001974793	0.000722743
2059 Jan	0.00163855	0.103416562	1.03541E-05	2.689018726	7.701148033	0.057141926	0.000966067	37.55228043	0.004215162	0.010572742	0.000424132	0.000656838	0.000261222	0.193461448	2.96473E-06	0.000401211	0.00070379	0.001975351	0.000723463
2059 Feb	0.001638708	0.103468046	1.03548E-05	2.689304352	7.701757908	0.057169456	0.000966027	37.55099869	0.004215201	0.01057404	0.000424249	0.000656817	0.000261219	0.193493366	2.96478E-06	0.000401189	0.000704063	0.001975428	0.000723396
2059 Mar	0.00163879	0.103496104	1.03552E-05	2.689455986	7.702054501	0.057184327	0.000966002	37.55007935	0.004215206	0.010574744	0.000424311	0.000656802	0.000261217	0.193510368	2.96481E-06	0.000401177	0.00070421	0.001975466	0.000723357
2059 Apr	0.001644899	0.103895053	1.03937E-05	2.699492931	7.730720043	0.057404403	0.000969562	37.68848801	0.004230804	0.010614271	0.000425916	0.000659224	0.000262182	0.19423604	2.97579E-06	0.000402654	0.0007069	0.001982797	0.000726011
2059 May	0.001660251	0.114056267	1.05022E-05	2.717187166	7.787638664	0.062571496	0.000944068	37.10417557	0.004198037	0.01080846	0.000475458	0.000652239	0.000261727	0.197931975	2.95478E-06	0.000390738	0.000764707	0.002009941	0.00070069
2059 Jun	0.00144807	0.125791296	1.01006E-05	2.654779196	6.347343922	0.066493928	0.000760051	27.25750542	0.003512896	0.010609915	0.000506917	0.000546327	0.000221846	0.191470519	2.88787E-06	0.000355604	0.000817852	0.001933891	0.000570236
2059 Jul	0.001563113	0.132758602	1.09168E-05	2.825195074	6.903628349	0.070001572	0.000821749	30.12040138	0.003820412	0.011376297	0.000534469	0.000599044	0.000240437	0.203534365	3.0995E-06	0.000381134	0.000870191	0.002108906	0.000618954
2059 Aug	0.001695156	0.140052214	1.16153E-05	2.996307611	7.604531765	0.074437149	0.000896164	33.75524521	0.00416892	0.012041165	0.000571939	0.00063429	0.00026236	0.216883972	3.27535E-06	0.000406176	0.000920217	0.002246669	0.000673577
2059 Sep	0.001743876	0.138377324	1.16784E-05	2.965608597	7.932788849	0.073441505	0.000937184	35.93614578	0.004286154	0.012089379	0.000566833	0.00066696	0.000269018	0.216154069	3.2375E-06	0.000403338	0.00090451	0.00224153	0.000685238
2059 Oct	0.001635968	0.123960182	1.08675E-05	2.567519903	7.31661129	0.061536483	0.000904027	33.68343353	0.00386846	0.011424572	0.000473588	0.000583027	0.000239338	0.188576877	2.86666E-06	0.000345457	0.000764496	0.001987138	0.000594082
2059 Nov	0.001655255	0.122457914	1.08143E-05	2.547926426	7.474667072	0.060968328	0.000922547	34.78232956	0.003924335	0.0113852	0.000470711	0.000590611	0.000242548	0.187945724	2.83522E-06	0.000344799	0.000756263	0.001975519	0.000601893

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.001662507	0.122430764	1.08159E-05	2.552976131	7.531758785	0.061164297	0.000927622	35.12628937	0.003949653	0.011384619	0.000472746	0.000594931	0.00024418	0.188495874	2.83571E-06	0.000346102	0.000758132	0.001979073	0.000606365
2060 Jan	0.001662815	0.122479014	1.08176E-05	2.55332303	7.532960415	0.06118625	0.000927717	35.12916946	0.003950011	0.011386983	0.000472838	0.000594948	0.000244195	0.188530713	2.83595E-06	0.000346101	0.000758357	0.001979265	0.000606347
2060 Feb	0.001663165	0.122545823	1.08196E-05	2.553928852	7.534430504	0.061221849	0.000927781	35.1317215	0.003950506	0.011389593	0.000473009	0.000594995	0.000244221	0.188586235	2.83634E-06	0.000346123	0.000758726	0.001979568	0.000606353
2060 Mar	0.001664251	0.122648127	1.08264E-05	2.55563426	7.539289474	0.061274171	0.000928315	35.1520462	0.003952905	0.011397149	0.000473356	0.000595342	0.000244366	0.188717991	2.83809E-06	0.000346321	0.000759335	0.001980799	0.000606684
2060 Apr	0.001673053	0.123303846	1.08832E-05	2.569117546	7.579377651	0.061604638	0.000933195	35.33841705	0.003973796	0.011456995	0.000475883	0.000598485	0.000245657	0.189718664	2.85292E-06	0.000348136	0.000763402	0.001991195	0.000609876
2060 May	0.001640147	0.140364781	1.07394E-05	2.574014187	7.393921852	0.071162805	0.000844487	32.54973221	0.003784653	0.011446432	0.000567066	0.000568514	0.000237853	0.194020599	2.76403E-06	0.000321848	0.000866086	0.001990867	0.000549334
2060 Jun	0.001383741	0.122670755	9.93899E-06	2.779597521	5.863031387	0.065229721	0.000767745	24.5829525	0.003399866	0.010630668	0.000485004	0.000526114	0.000215469	0.195869297	3.01586E-06	0.000386216	0.000794518	0.001874724	0.000572948
2060 Jul	0.001485642	0.126891196	1.07573E-05	2.981368542	6.313322544	0.067333676	0.000837356	27.0660553	0.003701895	0.011399087	0.000496478	0.000578545	0.000233401	0.208465084	3.27666E-06	0.000422178	0.000830596	0.002044476	0.000630526
2060 Aug	0.001531719	0.126023501	1.10099E-05	2.928309202	6.584266663	0.065941714	0.000864858	28.89892769	0.003788532	0.011454671	0.000489469	0.000584114	0.000238275	0.205951303	3.2483E-06	0.000410661	0.000803916	0.002051943	0.000629421
2060 Sep	0.00145605	0.111849882	1.04522E-05	2.53071785	6.287659645	0.055628639	0.000840934	28.47857094	0.00349974	0.010613617	0.000412201	0.000518532	0.000218262	0.179781392	2.8785E-06	0.00034546	0.000666309	0.001845481	0.000549357
2060 Oct	0.001530435	0.108251154	1.03007E-05	2.607259989	6.842928886	0.055962037	0.000918852	32.03538132	0.003768255	0.010632229	0.00041474	0.000562203	0.000234847	0.186216891	2.89735E-06	0.000371802	0.000665621	0.001835648	0.000610671
2060 Nov	0.001545595	0.106917359	1.02462E-05	2.647413254	6.95152092	0.055991225	0.000941469	32.75588226	0.003836351	0.010645212	0.000413231	0.000573533	0.000239116	0.188810572	2.92223E-06	0.000383528	0.000664204	0.001829444	0.000630707
2060 Dec	0.001561139	0.106910862	1.02522E-05	2.658735991	7.072857857	0.056432109	0.000952146	33.48236847	0.003890308	0.010646526	0.000417751	0.000582764	0.000242597	0.190020621	2.924E-06	0.000386335	0.000668514	0.001837603	0.000640234
2061 Jan	0.001564762	0.106938057	1.02527E-05	2.661222696	7.101323128	0.056551713	0.000954518	33.64988327	0.003902611	0.010646418	0.000418858	0.000584854	0.000243386	0.190305114	2.92396E-06	0.000386916	0.000669671	0.001839323	0.000642341
2061 Feb	0.001565381	0.106994487	1.02532E-05	2.661822081	7.105689049	0.05659708	0.000954765	33.67048645	0.003904249	0.010647442	0.000419128	0.000585107	0.000243486	0.190374821	2.92395E-06	0.000386966	0.000670115	0.001839604	0.00064255
2061 Mar	0.001566081	0.107060395	1.02568E-05	2.66290617	7.109204292	0.056635831	0.000955109	33.68560791	0.003905889	0.010651502	0.000419367	0.000585346	0.000243586	0.190463051	2.92488E-06	0.000387092	0.000670533	0.00184028	0.00064278
2061 Apr	0.001573993	0.107616544	1.03085E-05	2.676364183	7.145077705	0.056930151	0.000959881	33.85401535	0.003925488	0.010705395	0.000421513	0.000588273	0.000244806	0.191429958	2.93957E-06	0.000389024	0.000673998	0.001849538	0.000645978
2061 May	0.001576079	0.123553343	1.03227E-05	2.81716013	7.117833138	0.066778585	0.000917686	32.13707352	0.003886495	0.010952991	0.000508744	0.000585386	0.000246106	0.203390539	2.99374E-06	0.000394519	0.000782696	0.001890728	0.000628785
2061 Jun	0.001397158	0.112859592	9.77878E-06	3.072955132	6.050120354	0.063756213	0.000890572	26.63618469	0.003658004	0.010624891	0.000463628	0.000574188	0.000234059	0.209650218	3.28397E-06	0.000465515	0.000759972	0.00186408	0.000649116
2061 Jul	0.001504252	0.117414296	1.05734E-05	3.231799126	6.552048206	0.065606035	0.000956432	29.44983673	0.003951453	0.011343424	0.000477781	0.00062471	0.000251522	0.219883025	3.50139E-06	0.000492945	0.000791328	0.002025534	0.000696977
2061 Aug	0.001642968	0.124105223	1.12567E-05	3.41463685	7.309567928	0.070008419	0.001039538	33.49342346	0.004331492	0.011993543	0.00051546	0.000684522	0.00027552	0.233962625	3.68448E-06	0.000521906	0.000839141	0.002162402	0.000758504
2061 Sep	0.00173691	0.123281918	1.13404E-05	3.411170959	8.015579224	0.071076386	0.001101532	37.82938766	0.004610244	0.011998204	0.0005308	0.000726982	0.000292856	0.236892939	3.64076E-06	0.000523951	0.000845123	0.002191376	0.000798236
2061 Oct	0.001701985	0.113684937	1.06778E-05	3.01498127	7.946120739	0.063211337	0.001076828	38.3688736	0.004393195	0.011378576	0.000477681	0.000679095	0.000276119	0.213369191	3.2317E-06	0.000459366	0.000754855	0.00200973	0.000734324
2061 Nov	0.001703205	0.111183085	1.05225E-05	2.915410042	7.994475842	0.061240125	0.001078119	38.90930176	0.004364324	0.011240169	0.000464805	0.000670611	0.000273426	0.207731247	3.12585E-06	0.000443582	0.000731866	0.001965357	0.00072202
2061 Dec	0.00171376	0.111171499	1.05263E-05	2.922699213	8.076957703	0.061532926	0.001085341	39.4037056	0.004400811	0.011240544	0.000467827	0.000676834	0.000275777	0.208531156	3.12665E-06	0.000445413	0.00073471	0.00197075	0.000728447
2062 Jan	0.001719444	0.111195095	1.05274E-05	2.926692247	8.121738434	0.061713189	0.001089111	39.66885376	0.004420384	0.011240075	0.000469552	0.000680171	0.000277037	0.208978459	3.1268E-06	0.000446366	0.000736449	0.001973554	0.00073186
2062 Feb	0.001720828	0.111262076	1.05292E-05	2.928031206	8.131556511	0.061781909	0.00108987	39.72115326	0.004424543	0.011242228	0.000470044	0.000680848	0.000277299	0.20911625	3.12718E-06	0.00044657	0.000737134	0.001974354	0.000732516
2062 Mar	0.001723575	0.111453697	1.05447E-05	2.932527065	8.145065308	0.061893485	0.001091525	39.78604507	0.004431553	0.011259053	0.000470847	0.000681922	0.000277736	0.209450036	3.13169E-06	0.000447226	0.000738417	0.001977323	0.00073364
2062 Apr	0.00173277	0.112063788	1.06009E-05	2.948175192	8.188450813	0.06223179	0.001097292	39.99634171	0.004455051	0.011319227	0.000473385	0.000685528	0.000279207	0.210571989	3.14831E-06	0.000449588	0.000742433	0.001987835	0.000737503
2062 May	0.001759983	0.11374601	1.07598E-05	2.993252754	8.321133614	0.063204743	0.001114566	40.65494156	0.004526192	0.011488493	0.000480875	0.000696554	0.000283675	0.213827327	3.19551E-06	0.000456543	0.000753949	0.00201825	0.000749327
2062 Jun	0.001398412	0.102173865	1.01286E-05	2.829156876	6.085161686	0.053636357	0.000905497	28.06509209	0.003622345	0.010699321	0.000386143	0.000578968	0.000227326	0.19047527	3.19435E-06	0.0004347	0.000684417	0.001942645	0.000618131
2062 Jul	0.001328135	0.099860795	1.0195E-05	2.951266766	5.56205225	0.052090757	0.000889938	25.00027657	0.003488626	0.010743487	0.000364958	0.000566432	0.000220281	0.192866534	3.37589E-06	0.0004627	0.000668023	0.001956912	0.000615683
2062 Aug	0.001364076	0.098446742	1.03155E-05	2.7661376	5.790985584	0.049480852	0.000885419	26.7327404	0.003495617	0.010563524	0.000353824	0.000553078	0.000219488	0.183291033	3.2136E-06	0.000423896	0.000619579	0.001912136	0.000590443
2062 Sep	0.001415608	0.096669376	1.01432E-05	2.811086655	6.153254032	0.049939029	0.00095262	28.78711891	0.003631317	0.010559769	0.000355873	0.00056479	0.000228749	0.187745467	3.19404E-06	0.000436775	0.000607076	0.001846091	0.000619204
2062 Oct	0.001435606	0.093417242	9.66158E-06	3.085627317	6.222797871	0.050814729	0.001075412	28.65890694	0.003709091	0.010742403	0.000348555	0.00056812	0.00023704	0.202662602	3.36303E-06	0.000503203	0.000589353	0.001700712	0.000671987
2062 Nov	0.001454234	0.093733013	9.70584E-06	3.09467268	6.334632874	0.051030625	0.0010892	29.30179977	0.003754252	0.010803713	0.000350942	0.000574516	0.000239795	0.203646705	3.36809E-06	0.000505104	0.000591465	0.00170766	0.000678358
2062 Dec	0.00146741	0.093734808	9.71106E-06	3.103680849	6.437607765	0.051405333	0.001098048	29.91864014	0.003799826	0.010804208	0.000354803	0.000582302	0.000242729	0.204646543	3.36901E-06	0.00050734	0.000595149	0.001714611	0.000686369
2063 Jan	0.001472025	0.093767464	9.71259E-06	3.106752396	6.473644733	0.051553704	0.001101006	30.1314621	0.003815504	0.010804387	0.000356217	0.000584965	0.000243734	0.205002412	3.36905E-06	0.000508055	0.000596605	0.001716968	0.000689065
2063 Feb	0.001473051	0.093828961	9.71433E-06	3.107785702	6.48067379	0.051608626	0.001101532	30.16773224	0.003818449	0.010806486	0.000356592	0.000585437	0.000243918	0.205108225	3.36939E-06	0.000508193	0.000597158	0.001717594	0.00068951
2063 Mar	0.001473602	0.093887746	9.71774E-06	3.108877659	6.483064175	0.051640417	0.001101839	30.17657471	0.003819659	0.01081054	0.00035677	0.000585607	0.000243992	0.205188602	3.37043E-06	0.000508331	0.000597502	0.001718177	0.000689684
2063 Apr	0.001477893	0.09417481	9.74593E-06	3.117893934	6.501921654	0.051797953	0.001104988	30.2630291	0.003830657	0.010842042	0.000357835	0.000587284	0.000244692	0.205788374	3.38012E-06	0.000509781	0.000599311	0.001723149	0.000691645
2063 May	0.001473011	0.104951315	9.85749E-06	3.142356396	6.42007494	0.057213604	0.001060993	28.75310707	0.003743997	0.011011719	0.000408153	0.000573689	0.000241187	0.209284365	3.37513E-06	0.00049727	0.000661512	0.001755831	0.000659614
2063 Jun	0.001237665	0.096963756	9.09797E-06	3.204087496	5.279531002	0.054876853	0.000965486	21.70682907	0.00326398	0.010132711	0.000386073	0.000538488	0.000218143	0.201989457	3.474E-06	0.000520557	0.000654376	0.001739661	0.000603088
2063 Jul	0.001270871	0.092699505	9.4236E-06	3.269838572	5.47485733	0.05232361	0.001012443	23.18113136	0.003400135	0.01033267	0.000362618	0.000570063	0.000226262	0.203332439	3.60495E-06	0.000542094	0.000636749	0.001822709	0.000634554
2063 Aug	0.001399965	0.09817335	1.00554E-05	3.425184727	6.190848351	0.055893391	0.001092035	27.0622673	0.003750521	0.010905507	0.000393987	0.000624776	0.000248409	0.215330675	3.76444E-06	0.000566935	0.000674102	0.001945125	0.000689703
2063 Sep	0.001495978	0.097267568	1.01719E-05	3.335079432	6.904066086	0.056297861	0.001135804	31.65135574	0.004008885	0.01083322	0.000405577	0.000657207	0.00026324	0.214333192	3.63948E-06	0.000549063	0.000669313	0.001959242	0.000716584
2063 Oct	0.001551322	0.095317878	1.0004E-05	3.176098108	7.344245434	0.055157594	0.001151214	34.71897125	0.004123047	0.01067179	0.000404889	0.000667518	0.000268117	0.208412379	3.44108E-06	0.000521704	0.000655304	0.001919512	0.000721031
2063 Nov	0.001578367	0.095282629	1.00115E-05	3.170621157	7.542788029	0.055537362	0.001166481	35.94828415	0.004201138	0.010678182	0.000410008	0.000679294	0.000272771	0.209182814	3.4215E-06	0.000521452	0.000658861	0.001925943	0.000732433
2063 Dec	0.001589022	0.095332019	1.00203E-05	3.178728342	7.623291016	0.055841409	0.001173659	36.42658615	0.004237168	0.01068418	0.000413061	0.000685393	0.000275085	0.210026562	3.42368E-06	0.000523341	0.000661891	0.001931934	0.000738762
2064 Jan	0.001595844	0.095357388	1.00218E-05	3.183334827	7.67690134	0.056054659	0.001178114	36.74544144	0.004260687	0.010683624	0.000415137	0.000689391	0.000276594	0.210555881	3.42373E-06	0.00052445	0.000663961	0.00193532	0.000742877
2064 Feb	0.001597913	0.095425405	1.00244E-05	3.185275555	7.691825867	0.056141626	0.001179351	36.82832718	0.00426721	0.010686355	0.000415824	0.000690473	0.00027701	0.210750833	3.42438E-06	0.000524794	0.000664832	0.001936559	0.000743961
2064 Mar	0.001600964	0.095615044	1.00417E-05	3.190947294	7.707295418	0.056260008	0.001181481	36.90270615	0.004275369	0.010704933	0.000416673	0.000691785	0.000277535	0.211143345	3.43014E-06	0.000525704	0.000666187	0.001939992	0.000745344
2064 Apr	0.001606041	0.095930144	1.00732E-05	3.200998068	7.731787682	0.056445386	0.001185168	37.0189476	0.004288828	0.010738728	0.00041802	0.000693954	0.000278407	0.211814135	3.44084E-06	0.000527338	0.000668364	0.001946085	0.000747667
2064 May	0.001593839	0.107354172	9.99566E-06	3.259776592	7.624495029	0.063045368	0.00114572	35.08880615	0.004184921	0.010827716	0.000477047	0.000675612	0.000274952	0.217763484	3.43125E-06	0.000521407	0.000735446	0.001935735	0.000719226
2064 Jun	0.001288521	0.104736499	9.12758E-06	3.391364574	5.672003746	0.060886443	0.001027752	22.41349983	0.003371747	0.010279505	0.000441224	0.000560694	0.000230802	0.213731006	3.58379E-06	0.000549461	0.000706542	0.001756113	0.000617795
2064 Jul	0.001352759	0.106907085	9.67326E-06	3.356290102	5.967092991	0.060137983	0.00103595	24.41143799	0.003509765	0.010633808	0.000440678	0.000584088	0.00023706	0.212444514	3.61782E-06	0.000540339	0.000710006	0.001860786	0.00062694
2064 Aug	0.001420546	0.107462361	9.94649E-06	3.240618706	6.352028847	0.059112348	0.001039644	27.12630844	0.003640723	0.010672103	0.000441782	0.000595778	0.000243041	0.20810993	3.52667E-06	0.000515698	0.000689404	0.00187729	0.000631005
2064 Sep	0.001491711	0.100392163	9.73465E-06	3.080662489	6.974832058	0.056542806	0.001091218	31.62532616	0.003846496	0.010327956	0.000425269	0.000614633	0.00025391	0.202424899	3.31352E-06	0.000492322	0.000645953	0.001808375	0.000656332
2064 Oct	0.001623326	0.099266894	9.7493E-06	3.202197313	7.964024544	0.059551127	0.001199636	37.52059555	0.00429375	0.010408388	0.000454023	0.000688705	0.000282594	0.213646963	3.35139E-06	0.000523649	0.000672655	0.001853762	0.000741605
2064 Nov	0.001670929	0.099599689	9.79863E-06	3.243904352	8.320384979	0.060977548	0.001232227	39.62103271	0.004455361	0.010445385	0.000468027	0.000716215	0.000293031	0.217688337	3.36742E-06	0.000533009	0.000686957	0.00188255	0.00077035
2064 Dec	0.001677596	0.099624075	9.8037E-06	3.24884367	8.371007919	0.061166298	0.001236709	39.92265701	0.00447799	0.01044861	0.00046993	0.000720049	0.000294483	0.21821031	3.3686E-06	0.000534175	0.000688839	0.001886259	0.000774334
2065 Jan	0.001682237	0.099637032	9.80469E-06	3.251966	8.407534599	0.061309721	0.001239744	40.14055634	0.00449406	0.010448182	0.00047133	0.000722786	0.000295513	0.218569383	3.36864E-06	0.000534934	0.00069024	0.001888595	0.000777159
2065 Feb	0.001684043	0.099688731	9.80733E-06	3.253739595	8.420465469	0.061380554	0.001240872	40.21299744	0.004499811	0.010450809	0.000471911	0.000723745	0.000295881	0.218739823	3.36939E-06	0.000535263	0.000690955	0.001889732	0.000778134
2065 Mar	0.001687344	0.099895582	9.82608E-06	3.260001659	8.437098503	0.061508369	0.001243232	40.2916069	0.004508543	0.010470952	0.000472863	0.000725141	0.000296452	0.219168276	3.37574E-06	0.00053627	0.000692378	0.001893358	0.000779619
2065 Apr	0.001696726	0.100460291	9.88069E-06	3.278115511	8.483956337	0.061854996	0.001250106	40.51447678	0.004533525	0.010529258	0.000475507	0.000729152	0.000298094	0.220389009	3.39445E-06	0.000539234	0.000696273	0.001903867	0.000783922
2065 May	0.001724954	0.116541266	9.95062E-06	3.28362608	8.646404266	0.070831932	0.001197519	40.06641388	0.004512622	0.010726188	0.000560737	0.000723866	0.000298834	0.226294503	3.31662E-06	0.000515678	0.00079882	0.001945476	0.000753068
2065 Jun	0.001325005	0.10558103	9.19098E-06	3.458918571	5.968027115	0.062193036	0.001074132	23.84109116	0.003497743	0.010288535	0.000455726	0.000582702	0.00024026	0.218061313	3.62382E-06	0.000564574	0.000715074	0.001772856	0.000635759
2065 Jul	0.001442527	0.107586481	9.9745E-06	3.743605137	6.583952427	0.064138554	0.001190188	27.22747231	0.003884858	0.011038842	0.000466068	0.000653954	0.000265264	0.234205902	3.95649E-06	0.000622972	0.000745225	0.001948088	0.00071423
2065 Aug	0.001580358	0.112083532	1.05586E-05	3.860131741	7.402178288	0.067477621	0.001271316	31.85643196	0.004263787	0.011509695	0.000497316	0.000711297	0.000288926	0.244707793	4.06657E-06	0.000640715	0.000777323	0.002060561	0.000770996
2065 Sep	0.001581246	0.104813181	1.01605E-05	3.381708145	7.492228508	0.060665634	0.001211989	33.82577896	0.004142334	0.010964228	0.000453057	0.000669288	0.000274876	0.220299512	3.58722E-06	0.000551671	0.000699588	0.001920375	0.000715845
2065 Oct	0.001497812	0.094696946	9.44456E-06	3.299121141	6.959665298	0.054414596	0.001220642	31.12309265	0.003885808	0.010554333	0.000392938	0.000615944	0.000258305	0.212005973	3.47891E-06	0.000555211	0.000611975	0.001703393	0.000692629
2065 Nov	0.001506673	0.093976185	9.42453E-06	3.348891258	7.013411999	0.054487187	0.001243932	31.38562202	0.003923531	0.010588353	0.000391677	0.000621672	0.000261208	0.214637727	3.51862E-06	0.000564253	0.000608892	0.001694658	0.000704951
2065 Dec	0.001511971	0.093987152	9.42793E-06	3.351819992	7.053781986	0.054626022	0.001247313	31.62891769	0.003941247	0.010589998	0.000393128	0.000624643	0.000262331	0.215002447	3.51859E-06	0.000564987	0.000610286	0.001697426	0.000707996
2066 Jan	0.00151972	0.094019234	9.43033E-06	3.356972218	7.114488602	0.054867454	0.001252295	31.99069595	0.003967946	0.010589793	0.000395481	0.000629188	0.000264041	0.215599194	3.5187E-06	0.000566219	0.00061266	0.001701445	0.000712671
2066 Feb	0.001521575	0.094127454	9.43627E-06	3.359575272	7.125879288	0.054953951	0.001253448	32.04805756	0.003973155	0.010596586	0.000396088	0.000630022	0.000264373	0.215813249	3.52055E-06	0.000566622	0.000613556	0.001702897	0.000713516
2066 Mar	0.001526038	0.094430804	9.4638E-06	3.369336128	7.146680355	0.055129044	0.001256992	32.13913727	0.003984558	0.010627778	0.000397297	0.000631811	0.000265127	0.21645017	3.53063E-06	0.00056822	0.000615493	0.001707837	0.000715514
2066 Apr	0.001531861	0.094806679	9.49983E-06	3.382138491	7.173891068	0.055347335	0.001261712	32.2600975	0.003999618	0.010668392	0.00039884	0.000634188	0.000266127	0.217278257	3.54396E-06	0.000570351	0.00061792	0.001714322	0.00071819
2066 May	0.001548775	0.098425105	9.64748E-06	3.412701845	7.230574131	0.057050996	0.001262684	32.282547	0.00402028	0.010838656	0.000413638	0.000636648	0.000267707	0.219902277	3.57291E-06	0.000570979	0.000638075	0.001741245	0.000716873
2066 Jun	0.001263811	0.094419271	9.2032E-06	3.490270376	5.59753418	0.054884225	0.001115465	22.35272598	0.003408178	0.010196051	0.00038724	0.000578331	0.000234181	0.21281974	3.74047E-06	0.000590578	0.000645925	0.001771538	0.000633476
2066 Jul	0.001407871	0.098428495	1.00849E-05	3.722366333	6.402306557	0.05763993	0.001220448	26.89078903	0.003851405	0.010947368	0.000410702	0.000659407	0.000262075	0.227406189	4.02125E-06	0.000635745	0.000688397	0.001978463	0.000710508
2066 Aug	0.001550098	0.103381962	1.06898E-05	3.848818779	7.234360695	0.061133448	0.001302124	31.57991982	0.004240524	0.011452233	0.00044395	0.000719394	0.000286368	0.238452926	4.14379E-06	0.000655711	0.000722782	0.00209702	0.000769932
2066 Sep	0.001619592	0.102454074	1.06963E-05	3.709626436	7.723378181	0.060547143	0.001318629	34.94959641	0.004392829	0.01139969	0.000446132	0.00073375	0.000293398	0.234212562	3.97904E-06	0.00062868	0.00071336	0.002084333	0.000780437
2066 Oct	0.001679623	0.099241853	1.04215E-05	3.439399004	8.205207825	0.058327034	0.001314202	38.65369797	0.004493817	0.011131387	0.000438638	0.00073626	0.000295602	0.223326117	3.66368E-06	0.00057964	0.000687617	0.00201448	0.000777418

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.001692472	0.098475091	1.03562E-05	3.373592138	8.305451393	0.057716578	0.001312491	39.44781876	0.00451099	0.011071776	0.000436004	0.000735448	0.000295665	0.220584512	3.58831E-06	0.000567622	0.000680504	0.001995842	0.000775455
2066 Dec	0.00170216	0.098530218	1.03654E-05	3.381011486	8.378006935	0.057991739	0.001318988	39.87839127	0.004543515	0.011078467	0.000438754	0.000740937	0.00029775	0.221352577	3.59051E-06	0.000569328	0.00068326	0.002001371	0.00078118
2067 Jan	0.001706655	0.098572761	1.03675E-05	3.384120226	8.412538528	0.058138512	0.001321834	40.08185577	0.004558636	0.011079623	0.000440121	0.000743482	0.000298716	0.221707687	3.59072E-06	0.000570026	0.000684699	0.002003679	0.000783803
2067 Feb	0.001708182	0.098671824	1.03728E-05	3.386256218	8.42172718	0.058212619	0.001322739	40.12725449	0.004562811	0.011085617	0.000440626	0.000744148	0.00029898	0.221884295	3.59227E-06	0.000570339	0.000685479	0.00200494	0.000784456
2067 Mar	0.001710634	0.098840192	1.03876E-05	3.391070843	8.433671951	0.058309801	0.00132452	40.18159866	0.00456911	0.011101726	0.000441304	0.000745156	0.000299388	0.222208753	3.59724E-06	0.000571104	0.000686594	0.002007756	0.000785494
2067 Apr	0.001715955	0.099162981	1.04198E-05	3.401593685	8.459826469	0.05849899	0.001328574	40.30474091	0.004583182	0.011136374	0.000442703	0.00074744	0.000300308	0.222903445	3.60832E-06	0.00057285	0.000688805	0.002013967	0.000787888
2067 May	0.001680642	0.116166815	1.05164E-05	3.290531397	8.091573715	0.065272845	0.001209771	36.78886032	0.00430371	0.011331396	0.000508125	0.000694347	0.000283393	0.220470801	3.46609E-06	0.000520714	0.000769625	0.002018388	0.000703263
2067 Jun	0.001378573	0.116718099	9.65983E-06	3.381918907	6.207560539	0.065338284	0.001064333	24.29217148	0.003501705	0.010671424	0.000493826	0.00057933	0.000239967	0.216363415	3.55199E-06	0.000533855	0.000763627	0.001849148	0.000594833
2067 Jul	0.001521649	0.121593386	1.04483E-05	3.591807604	7.01181078	0.068699993	0.001162613	28.72887993	0.003924734	0.011378518	0.000522602	0.000653396	0.000266602	0.230625346	3.78917E-06	0.000572687	0.00080896	0.002028789	0.000667042
2067 Aug	0.001631373	0.122825325	1.08182E-05	3.526213169	7.664469719	0.068786532	0.001190002	33.06184769	0.004191965	0.011522904	0.000534513	0.000689175	0.000281137	0.230269551	3.74022E-06	0.00055901	0.000800247	0.002079035	0.000698463
2067 Sep	0.001693961	0.120640412	1.08638E-05	3.434734821	8.112873077	0.067883328	0.001217717	36.21405411	0.004354027	0.011480823	0.000531167	0.000707229	0.000289346	0.227758706	3.63325E-06	0.000543038	0.000786263	0.002076354	0.000716421
2067 Oct	0.001649752	0.112301104	1.03685E-05	3.040644169	7.840275764	0.060257819	0.001158124	35.90175629	0.004118939	0.011053819	0.000471922	0.000651069	0.000268749	0.205630124	3.253E-06	0.000474055	0.000705233	0.001917919	0.000658496
2067 Nov	0.001666905	0.111229546	1.03253E-05	2.985981941	7.964402199	0.05956012	0.001162755	36.85509872	0.004153538	0.01101989	0.000467888	0.000653476	0.000269857	0.203466713	3.19063E-06	0.000464892	0.000697929	0.001905001	0.000660857
2067 Dec	0.001677071	0.111292943	1.03358E-05	2.993942022	8.039998055	0.059846494	0.001169608	37.30315781	0.004187515	0.011028062	0.000470737	0.000659201	0.000272035	0.204278082	3.19326E-06	0.000466708	0.000700807	0.001910888	0.000666844
2068 Jan	0.00168372	0.11133524	1.03389E-05	2.998846769	8.091386795	0.060057942	0.001173958	37.6072731	0.004210243	0.011029449	0.000472735	0.000663056	0.000273491	0.204813898	3.19392E-06	0.000467838	0.00070288	0.00191438	0.000670852
2068 Feb	0.001685281	0.11143288	1.03431E-05	3.000715017	8.101330757	0.060136531	0.001174817	37.65755844	0.004214588	0.011034269	0.000473278	0.000663747	0.000273764	0.204983607	3.19499E-06	0.000468101	0.00070369	0.00191551	0.000671522
2068 Mar	0.001689633	0.111749589	1.03696E-05	3.008455515	8.122113228	0.060307175	0.001177732	37.75131226	0.00422522	0.011062974	0.000474547	0.000665401	0.000274451	0.205521643	3.20307E-06	0.00046926	0.000705654	0.001920393	0.000673168
2068 Apr	0.001707044	0.112917431	1.04764E-05	3.039452314	8.205732346	0.060937252	0.001189802	38.13837051	0.004268619	0.011177095	0.000479464	0.000672224	0.000277267	0.207644388	3.23598E-06	0.000474068	0.000713009	0.001940146	0.000680055
2068 May	0.00167627	0.122337736	1.04722E-05	3.143749714	7.958069324	0.066366248	0.001157773	35.49501801	0.004144535	0.011309595	0.000524091	0.000653305	0.000272633	0.214442968	3.29888E-06	0.000479941	0.000769594	0.001943771	0.000654998
2068 Jun	0.001339203	0.101976879	9.37663E-06	3.761796713	6.138821602	0.061508968	0.001211434	24.19847488	0.003658955	0.010407257	0.000446191	0.000622941	0.000255078	0.230137438	3.92388E-06	0.000639766	0.000704083	0.001820025	0.000675647
2068 Jul	0.001447766	0.103368565	9.97812E-06	3.682815075	6.787278652	0.061043959	0.001227913	28.63519859	0.003944731	0.010729103	0.000452748	0.000672739	0.000269415	0.228247091	3.90775E-06	0.000623715	0.000716521	0.001966295	0.000706164
2068 Aug	0.001594598	0.109719969	1.06977E-05	3.862567663	7.603893757	0.065170616	0.001320075	33.02603912	0.004342428	0.011378489	0.000489172	0.00073482	0.000294699	0.242023855	4.09083E-06	0.000652483	0.000759229	0.002104704	0.000768585
2068 Sep	0.001631628	0.107805178	1.06664E-05	3.64874053	7.832462788	0.062740266	0.001307186	35.0393486	0.004365817	0.01129542	0.000474451	0.000724262	0.000292543	0.232610926	3.87678E-06	0.000609931	0.000730674	0.002060773	0.000753944
2068 Oct	0.001688503	0.107161701	1.06578E-05	3.571980476	8.228520393	0.062594928	0.001327173	37.70582962	0.004502547	0.011298042	0.000477935	0.000740711	0.000299375	0.230979756	3.77639E-06	0.000596345	0.00072895	0.002057775	0.000769606
2068 Nov	0.001709334	0.107527219	1.07023E-05	3.587805986	8.368735313	0.063124515	0.001340658	38.52228546	0.004565503	0.011342213	0.00048306	0.00075087	0.000303327	0.232563823	3.78494E-06	0.000599523	0.000734558	0.002070949	0.000780129
2068 Dec	0.001713164	0.107600398	1.07109E-05	3.591408968	8.394661903	0.063231938	0.001343241	38.67142487	0.00457738	0.011350596	0.000484074	0.000752826	0.000304084	0.232890368	3.78717E-06	0.000600243	0.000735692	0.002073578	0.000782165
2069 Jan	0.001718632	0.107621551	1.07124E-05	3.595083714	8.437423706	0.063402019	0.001346777	38.92621613	0.004596191	0.011350521	0.00048572	0.000756017	0.000305288	0.233314335	3.78725E-06	0.000601121	0.000737349	0.002076325	0.000785487
2069 Feb	0.001720985	0.107678398	1.0715E-05	3.597213745	8.454705238	0.063492499	0.001348243	39.0242691	0.004603821	0.011352985	0.000486478	0.000757295	0.000305776	0.233528316	3.78794E-06	0.000601531	0.000738254	0.002077718	0.000786794
2069 Mar	0.001721624	0.107715443	1.07167E-05	3.598015785	8.458807945	0.063523509	0.001348615	39.04523468	0.004605644	0.011354946	0.000486697	0.000757589	0.000305892	0.233598724	3.78844E-06	0.000601651	0.000738574	0.002078196	0.000787084
2069 Apr	0.001726063	0.108002156	1.07441E-05	3.607213736	8.4806633	0.063692756	0.001352036	39.14543915	0.00461744	0.011384053	0.000487971	0.000759522	0.000306673	0.234201074	3.79803E-06	0.000603172	0.000740528	0.002083499	0.000789081
2069 May	0.001765697	0.112124577	1.09941E-05	3.677107334	8.668764114	0.065909378	0.00137266	39.88954544	0.004707456	0.011658037	0.000506674	0.000773593	0.000312737	0.239418387	3.86635E-06	0.000611611	0.000766393	0.002132518	0.000800677
2069 Jun	0.001347907	0.105388425	9.97265E-06	3.383112431	6.06583643	0.057716243	0.001102066	24.4764576	0.003532651	0.010644333	0.000426727	0.000602179	0.000239963	0.209831804	3.6804E-06	0.000554531	0.000706267	0.001945592	0.000606327
2069 Jul	0.001435625	0.105300426	1.04522E-05	3.682062626	6.592076302	0.059641939	0.001219175	27.2387085	0.003872916	0.011109161	0.00043711	0.000667572	0.000263659	0.225990072	3.99168E-06	0.000619787	0.000727105	0.002065551	0.000684142
2069 Aug	0.001529852	0.107153602	1.08185E-05	3.651605368	7.149629116	0.060481921	0.001251306	30.76044846	0.004100872	0.011299409	0.000450009	0.000695674	0.000276479	0.227534011	3.96738E-06	0.000609735	0.00072801	0.002113821	0.000709958
2069 Sep	0.001497752	0.101772107	1.03897E-05	3.441562653	6.933141708	0.056093261	0.001228615	30.08782387	0.003926841	0.01097253	0.000413373	0.00064841	0.000263154	0.215871215	3.73847E-06	0.000572833	0.000663781	0.001952712	0.000674289
2069 Oct	0.001437408	0.096405812	9.82398E-06	3.580278873	6.448474407	0.053304225	0.001293978	26.78247643	0.003725237	0.01088798	0.000376039	0.000601202	0.000253358	0.220002919	3.82083E-06	0.000611783	0.000600215	0.001738752	0.000669266
2069 Nov	0.001440658	0.096361935	9.83014E-06	3.593219519	6.430212021	0.052965023	0.001305241	26.63336563	0.003716388	0.010953232	0.000371845	0.000596865	0.000252776	0.22054176	3.8335E-06	0.000614814	0.00059388	0.001723192	0.000668521
2069 Dec	0.001446586	0.096390307	9.83543E-06	3.596753597	6.474484444	0.053121686	0.001309005	26.89900208	0.003735938	0.010956913	0.000373454	0.000600127	0.000254013	0.220961407	3.83393E-06	0.000615655	0.000595468	0.001726428	0.000671901
2070 Jan	0.001447539	0.096434325	9.83598E-06	3.596814632	6.48135519	0.053163454	0.001309329	26.93781662	0.003738559	0.010957605	0.000373755	0.000600522	0.000254165	0.221016645	3.8333E-06	0.000615618	0.000595892	0.001726803	0.000672251
2070 Feb	0.001447964	0.096494541	9.83629E-06	3.597016811	6.484216213	0.053204622	0.001309339	26.94989395	0.00373946	0.010958397	0.000373974	0.000600639	0.000254212	0.221061796	3.83299E-06	0.00061557	0.000596302	0.001726964	0.000672314
2070 Mar	0.001449371	0.09661454	9.84531E-06	3.600279093	6.490577221	0.053271111	0.001310438	26.97449112	0.003742858	0.010968738	0.000374391	0.000601165	0.000254438	0.221275523	3.83627E-06	0.000616076	0.000597025	0.001728541	0.00067287
2070 Apr	0.001457575	0.097208217	9.89976E-06	3.620148897	6.527582169	0.053600296	0.001317521	27.12543106	0.003763645	0.011029944	0.000376613	0.000604468	0.000255839	0.222523093	3.85705E-06	0.000619381	0.000600671	0.001738109	0.000676505
2070 May	0.001467549	0.108523846	1.00366E-05	3.679497957	6.541511059	0.059858643	0.001284966	26.14583206	0.003732719	0.011236617	0.000433067	0.00059966	0.000255985	0.228673369	3.87575E-06	0.000613474	0.000670302	0.001779474	0.000656605
2070 Jun	0.001371531	0.117351905	9.75662E-06	3.840739965	6.14627552	0.067537449	0.001214903	22.48361206	0.003567026	0.010908999	0.000502127	0.000598752	0.000252256	0.236600831	3.97594E-06	0.000632939	0.000764302	0.001840094	0.000629391
2070 Jul	0.001459148	0.120597847	1.0369E-05	3.863024473	6.617528915	0.068406083	0.001242304	25.38435173	0.003798081	0.011366802	0.000513405	0.000640438	0.000264745	0.239585534	4.05172E-06	0.000633995	0.000790915	0.001983697	0.0006577
2070 Aug	0.001561996	0.12375775	1.08401E-05	3.879764795	7.184601784	0.069721177	0.001281315	28.82936096	0.004048897	0.011696422	0.000530132	0.000675235	0.000279176	0.243458286	4.08586E-06	0.000633267	0.000800337	0.002057886	0.000690101
2070 Sep	0.001512308	0.114453994	1.04146E-05	3.449838638	6.839625835	0.061058942	0.00120889	28.28626251	0.003784968	0.011270466	0.000460678	0.000610418	0.000256007	0.219135195	3.69218E-06	0.000555913	0.000704345	0.001892882	0.000626849
2070 Oct	0.001465955	0.105348468	1.00218E-05	3.551012516	6.556708336	0.056863736	0.001271914	26.72643852	0.003700754	0.011088587	0.000413911	0.000593564	0.000252443	0.220638812	3.77866E-06	0.000592239	0.000640696	0.001768159	0.000641426
2070 Nov	0.001489517	0.10456679	1.00152E-05	3.61971879	6.742651463	0.057529118	0.001306605	27.75208664	0.003799261	0.011105261	0.000418559	0.000611065	0.000259517	0.224796236	3.82792E-06	0.000608715	0.00064406	0.001774775	0.000664884
2070 Dec	0.001495182	0.104562737	1.00176E-05	3.622766256	6.786475658	0.057678603	0.001310203	28.01788139	0.003818539	0.011105664	0.000420124	0.000614312	0.000260739	0.225186273	3.82764E-06	0.000609506	0.000645546	0.001777646	0.000668267
2071 Jan	0.001496414	0.10459327	1.00182E-05	3.623206615	6.795700073	0.057724304	0.001310806	28.07159805	0.003822346	0.01110615	0.000420495	0.000614924	0.000260971	0.225269109	3.82724E-06	0.000609578	0.000646002	0.001778198	0.000668868
2071 Feb	0.001496516	0.104638778	1.00184E-05	3.623240232	6.796071053	0.057748429	0.001310678	28.06993484	0.00382225	0.011106902	0.000420589	0.000614879	0.000260957	0.225287363	3.82704E-06	0.000609511	0.000646244	0.001778212	0.000668779
2071 Mar	0.001496869	0.104684629	1.00206E-05	3.623982906	6.797615528	0.057773113	0.001310869	28.07453346	0.003822955	0.011109539	0.000420724	0.000614976	0.000261001	0.225342318	3.8277E-06	0.000609596	0.000646505	0.001778576	0.000668863
2071 Apr	0.001500487	0.104949728	1.00447E-05	3.632677794	6.814011574	0.057919063	0.00131397	28.14123154	0.003832082	0.011136401	0.000421761	0.000616435	0.000261622	0.225887969	3.83681E-06	0.000611036	0.000648129	0.001782842	0.000670437
2071 May	0.001481651	0.117336676	1.00356E-05	3.674830198	6.675330162	0.064926445	0.001256448	26.0737114	0.003717391	0.011217612	0.000485426	0.000598892	0.000257279	0.230987489	3.8226E-06	0.000599334	0.000724819	0.001800835	0.000635421
2071 Jun	0.001339229	0.111119106	9.58603E-06	4.003568172	6.052333832	0.06554538	0.001281586	21.65341187	0.003558311	0.010713212	0.000480737	0.000609707	0.000255861	0.240714431	4.14426E-06	0.000678184	0.00073482	0.001818894	0.000648476
2071 Jul	0.001384486	0.108332984	1.00602E-05	4.108483315	6.289511681	0.063693054	0.001338347	23.31583977	0.0037349	0.011050344	0.000462142	0.000648335	0.000266343	0.244551137	4.32179E-06	0.000705847	0.000728718	0.001934409	0.000685388
2071 Aug	0.00147049	0.112579674	1.05857E-05	4.191362381	6.719061852	0.065643735	0.001385995	25.62276077	0.003941377	0.011495673	0.00047909	0.000676988	0.000278974	0.251289099	4.42425E-06	0.000715896	0.000747731	0.002017565	0.000712997
2071 Sep	0.001452818	0.10680183	1.035E-05	3.722649336	6.597144127	0.059226189	0.001292353	26.42088127	0.003763771	0.011086434	0.000433336	0.000624044	0.000260684	0.227425545	3.98743E-06	0.000622711	0.000675252	0.001900813	0.000652314
2071 Oct	0.001441456	0.103925899	1.01339E-05	3.54201293	6.492843151	0.056096882	0.00126393	26.33686447	0.003662769	0.010951188	0.00040909	0.000597136	0.000251389	0.217895716	3.8086E-06	0.0005899	0.000640468	0.001821558	0.00062798
2071 Nov	0.001438816	0.10283082	1.00795E-05	3.511022329	6.424352646	0.054722168	0.00126839	26.00533104	0.003619133	0.010982672	0.000396117	0.000584778	0.000247896	0.215862989	3.78065E-06	0.000585578	0.000622769	0.001782944	0.000621141
2071 Dec	0.001442951	0.102790534	1.00805E-05	3.510698557	6.452081203	0.054745879	0.00127107	26.1796093	0.003630365	0.010987234	0.00039647	0.000586318	0.000248543	0.21599634	3.77842E-06	0.000585699	0.000622838	0.00178304	0.000623029
2072 Jan	0.00144319	0.102852978	1.00818E-05	3.510451555	6.452650547	0.054770455	0.001270904	26.17888069	0.003630213	0.010989335	0.000396549	0.00058622	0.000248514	0.216006294	3.77803E-06	0.000585546	0.0006231	0.001783088	0.000622869
2072 Feb	0.001443472	0.102932155	1.00828E-05	3.511284113	6.453940392	0.054818127	0.00127094	26.17808151	0.003630552	0.010991358	0.000396755	0.000586244	0.000248533	0.2160777	3.77842E-06	0.000585597	0.000623559	0.001783235	0.000622861
2072 Mar	0.001443883	0.102994755	1.00852E-05	3.512158155	6.455724239	0.054852173	0.001271127	26.18243027	0.003631303	0.010994449	0.00039693	0.000586341	0.000248578	0.216145128	3.77914E-06	0.000585682	0.000623912	0.001783638	0.000622933
2072 Apr	0.001449987	0.103448965	1.01276E-05	3.526902914	6.482972622	0.055094093	0.001276394	26.29138756	0.003646482	0.011040913	0.000398641	0.000588778	0.000249614	0.217060596	3.79488E-06	0.000588106	0.000626647	0.00179112	0.000625502
2072 May	0.001481604	0.105741717	1.03479E-05	3.603255272	6.624482632	0.056314968	0.001303899	26.86366081	0.003725678	0.011281217	0.000407518	0.000601547	0.000255033	0.221781269	3.87684E-06	0.000600754	0.000640538	0.001830146	0.00063899
2072 Jun	0.001282173	0.098272085	9.96759E-06	3.564131498	5.587518215	0.052263018	0.001194897	20.93144226	0.003327654	0.010672314	0.000369714	0.000574161	0.000231924	0.21088092	3.92391E-06	0.000604064	0.000634472	0.00187668	0.00058835
2072 Jul	0.001318387	0.099306829	1.02466E-05	3.552246571	5.768752098	0.052018065	0.001192162	22.19756889	0.003420241	0.010788469	0.000373432	0.000591907	0.000236814	0.210427389	3.95247E-06	0.000601601	0.000633302	0.00193416	0.000599794
2072 Aug	0.001328807	0.095516942	1.02016E-05	3.554561853	5.817415237	0.050528232	0.001233457	22.54898834	0.003421667	0.010583855	0.000355567	0.000569292	0.000238306	0.210838035	3.93184E-06	0.000600335	0.000573364	0.001816687	0.000601374
2072 Sep	0.001339473	0.092757046	1.00268E-05	3.637257099	5.893778801	0.050172709	0.001293769	22.77662659	0.003449983	0.010516146	0.000346622	0.000563242	0.000242075	0.215245008	3.97015E-06	0.000620187	0.000548439	0.001728444	0.000616835
2072 Oct	0.001378742	0.091955423	9.72007E-06	3.937154531	6.174153805	0.052455138	0.001420357	23.53972435	0.003606894	0.010693767	0.000359223	0.000594853	0.000256539	0.231007203	4.18135E-06	0.000691843	0.000558265	0.001676746	0.000674846
2072 Nov	0.001409036	0.092000261	9.71666E-06	3.987675905	6.396493912	0.053372011	0.001451458	24.7703743	0.003709335	0.010734903	0.000367416	0.000612565	0.000263549	0.234634519	4.20977E-06	0.000703775	0.000566437	0.001686079	0.000695928
2072 Dec	0.001419715	0.091989994	9.71966E-06	3.993449688	6.480135441	0.053667013	0.001458154	25.27833176	0.003746203	0.010733867	0.000370501	0.000618813	0.000265891	0.235381901	4.20894E-06	0.000705281	0.000569378	0.001691531	0.000702443
2073 Jan	0.001422196	0.092027344	9.72074E-06	3.994573355	6.499037743	0.053750943	0.001459493	25.39041328	0.003754277	0.010734463	0.000371256	0.000620147	0.000266393	0.235554889	4.20844E-06	0.000705518	0.000570226	0.00169276	0.00070379
2073 Feb	0.001422475	0.092088766	9.72211E-06	3.994969606	6.500230312	0.053783871	0.001459486	25.39203644	0.0037546	0.01073645	0.000371407	0.000620166	0.000266406	0.235598296	4.2086E-06	0.000705503	0.000570564	0.001692968	0.000703764
2073 Mar	0.001423298	0.092166238	9.72749E-06	3.997087479	6.503921032	0.053827263	0.001460173	25.40466881	0.003756541	0.010742659	0.000371664	0.000620467	0.000266538	0.235733822	4.2107E-06	0.000705831	0.000571018	0.001693885	0.000704081
2073 Apr	0.001436844	0.093046479	9.81885E-06	4.034669399	6.566327095	0.054345235	0.00147392	25.65014648	0.003792304	0.010843634	0.000375232	0.000626367	0.000269069	0.23796241	4.2501E-06	0.000712449	0.000576506	0.001709862	0.000710753
2073 May	0.001487099	0.109773129	9.89781E-06	4.080914497	6.922210217	0.064905316	0.001429591	26.37891006	0.003872614	0.011018378	0.000475696	0.000641475	0.000276729	0.247209385	4.19707E-06	0.000696796	0.00069612	0.001781721	0.000700115
2073 Jun	0.001369418	0.113770723	9.60998E-06	4.220004082	6.315823078	0.068418249	0.001376199	21.86723518	0.003629017	0.010743903	0.000505616	0.000627332	0.000266872	0.250879824	4.32872E-06	0.000720335	0.00074888	0.001815964	0.000664429
2073 Jul	0.001439752	0.111690328	1.0077E-05	4.424904823	6.688295841	0.067721032	0.001473533	24.04531097	0.003877685	0.011130133	0.000496005	0.0006739	0.000283618	0.260554492	4.581E-06	0.000768628	0.000738894	0.001904806	0.000720734
2073 Aug	0.001525915	0.115099318	1.05394E-05	4.421387196	7.126420021	0.068716101	0.001496825	26.74064827	0.004071094	0.011463881	0.00050914	0.000698713	0.0002941	0.262968272	4.60285E-06	0.000762728	0.000746901	0.001972898	0.000742305
2073 Sep	0.001543995	0.111230999	1.04337E-05	4.104604244	7.258759022	0.064979792	0.001444613	28.70401573	0.004053722	0.011237075	0.000484267	0.000680038	0.000287424	0.248265475	4.29667E-06	0.000700339	0.000708081	0.001920701	0.00071866

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.00150809	0.104177617	1.00308E-05	3.776680708	7.011586189	0.058668178	0.001387634	28.41137314	0.003867254	0.010931108	0.000433161	0.000634073	0.000270119	0.230335623	3.98156E-06	0.000642859	0.000642676	0.001791544	0.000677008
2073 Nov	0.001517598	0.102433741	9.96356E-06	3.837412596	7.103680134	0.058585078	0.001420953	28.88028336	0.003921392	0.010912611	0.000430313	0.000643958	0.000274457	0.233343408	4.02618E-06	0.000659162	0.000637355	0.001779081	0.000694791
2073 Dec	0.001529679	0.102470942	9.97221E-06	3.845997334	7.195734501	0.058927309	0.001428924	29.43102074	0.003962551	0.010917593	0.000433774	0.00065093	0.000277091	0.234276369	4.02789E-06	0.000661204	0.000640775	0.001785793	0.00070213
2074 Jan	0.00153788	0.102484748	9.97359E-06	3.850938797	7.260476589	0.059177317	0.001434075	29.82053375	0.003991044	0.010916106	0.000436239	0.000655773	0.000278906	0.234887436	4.02739E-06	0.000662431	0.000643235	0.001789922	0.000707198
2074 Feb	0.001541122	0.10252706	9.97429E-06	3.853033066	7.285816193	0.059295695	0.001435987	29.96942902	0.004002037	0.010916068	0.000437284	0.000657628	0.000279603	0.235146284	4.02717E-06	0.000662885	0.0006444	0.001791553	0.000709108
2074 Mar	0.001542424	0.102634162	9.98217E-06	3.856043339	7.292052746	0.059357714	0.001437042	29.99396133	0.004005242	0.010924953	0.000437694	0.000658137	0.000279821	0.235342249	4.03014E-06	0.00066336	0.000645061	0.001792971	0.000709632
2074 Apr	0.001554401	0.103445143	1.00596E-05	3.885905027	7.348618031	0.059825785	0.001448118	30.22548294	0.004036211	0.011009832	0.000441115	0.000663214	0.000281982	0.237170622	4.06128E-06	0.00066847	0.000650142	0.00180686	0.000715093
2074 May	0.001555078	0.118417695	1.00425E-05	4.070678234	7.376678944	0.069928959	0.001428797	28.59338188	0.004015812	0.011152339	0.000529847	0.000665291	0.000286189	0.250838757	4.15091E-06	0.000683692	0.00075595	0.00184388	0.000702608
2074 Jun	0.001377814	0.109799027	9.4322E-06	4.533350945	6.503967285	0.069534488	0.001503756	22.39830399	0.003784777	0.010608158	0.000510243	0.000662923	0.000282833	0.264994711	4.60789E-06	0.000795108	0.000741026	0.001797041	0.000715523
2074 Jul	0.001470147	0.11266087	1.01219E-05	4.695765495	6.968296528	0.070735916	0.001577197	24.93545532	0.004052417	0.011204091	0.000519165	0.000712172	0.000299542	0.274331421	4.82547E-06	0.000826333	0.0007647	0.001944044	0.000761165
2074 Aug	0.001629689	0.119478479	1.08321E-05	4.955643177	7.900024891	0.076094799	0.001698201	29.74413872	0.004511977	0.011887873	0.000564828	0.000787621	0.000330116	0.292616755	5.06914E-06	0.000871983	0.000819934	0.002094646	0.000839527
2074 Sep	0.001693111	0.113355234	1.05764E-05	4.461340427	8.408176422	0.071474671	0.001628364	34.69042206	0.00461141	0.011475883	0.000539907	0.000781857	0.000327473	0.271546841	4.55483E-06	0.000777171	0.000773703	0.002024926	0.00082749
2074 Oct	0.001760552	0.108775862	1.03376E-05	4.089076519	8.917923927	0.068138711	0.00158887	39.20032883	0.004735954	0.011217227	0.000523531	0.00078597	0.000328119	0.256397724	4.15348E-06	0.000708104	0.000743786	0.001971334	0.000828303
2074 Nov	0.001907019	0.107770212	1.03253E-05	4.13992691	10.08296967	0.071774684	0.001676819	46.40558243	0.005243223	0.011146475	0.000563023	0.0008711	0.000359912	0.265304297	4.10957E-06	0.000724257	0.000779407	0.002035956	0.000918213
2074 Dec	0.001934661	0.107710384	1.03316E-05	4.157764912	10.30123901	0.072562635	0.001694939	47.72508621	0.005340291	0.011142054	0.000571145	0.000887687	0.000366132	0.267380297	4.10978E-06	0.000728817	0.000787134	0.002050214	0.000935761
2075 Jan	0.001939764	0.107734241	1.03329E-05	4.160768986	10.34111977	0.072721951	0.001698066	47.96395111	0.005357763	0.011141795	0.000572672	0.000890637	0.00036724	0.267759591	4.10941E-06	0.000729539	0.000788704	0.002052766	0.000938848
2075 Feb	0.001942352	0.107797749	1.03354E-05	4.162986755	10.36027241	0.072823294	0.001699634	48.07282257	0.005366161	0.011144148	0.000573513	0.000892041	0.000367775	0.267991215	4.10998E-06	0.000729962	0.000789715	0.002054254	0.000940292
2075 Mar	0.001945829	0.107974663	1.03502E-05	4.169315338	10.3805027	0.072960027	0.001702396	48.17235184	0.00537608	0.011160113	0.00057458	0.000893684	0.00036844	0.268431425	4.11565E-06	0.000731065	0.000791164	0.002057505	0.000942004
2075 Apr	0.001960809	0.108730786	1.04219E-05	4.199112892	10.46434689	0.073515914	0.001715103	48.57725525	0.005418532	0.011236969	0.000579031	0.000900761	0.000371323	0.270406276	4.14401E-06	0.000736347	0.000797137	0.00207249	0.000949454
2075 May	0.002077859	0.117148645	1.0568E-05	4.22141552	11.31089401	0.080498472	0.001736266	53.14853668	0.0057461	0.011379846	0.000648474	0.000953605	0.000392159	0.278838038	4.07757E-06	0.000729888	0.000875171	0.002155462	0.000991117
2075 Jun	0.001456289	0.098743975	9.79544E-06	4.150186539	7.130571365	0.061713472	0.001478029	28.48012733	0.004058627	0.010506959	0.000455153	0.000713035	0.000289958	0.245650619	4.33803E-06	0.000734473	0.000701075	0.001938711	0.00074202
2075 Jul	0.001379525	0.097634435	1.00836E-05	4.360107422	6.47618866	0.05938353	0.001501071	24.08641052	0.003867531	0.010769637	0.000424707	0.000692394	0.000280959	0.250145763	4.64648E-06	0.000779713	0.000676988	0.00196826	0.000724904
2075 Aug	0.00145131	0.100267179	1.04599E-05	4.308866024	6.838811398	0.05984541	0.0015078	26.45967102	0.004014605	0.01100901	0.000433388	0.000707661	0.000288099	0.249974117	4.61692E-06	0.000764065	0.000678258	0.002014812	0.000737069
2075 Sep	0.001516861	0.100830682	1.05948E-05	4.245854378	7.255729675	0.060276996	0.001523998	29.23235321	0.004174006	0.011104688	0.000440743	0.000726469	0.000296144	0.249586537	4.53976E-06	0.000749943	0.00068231	0.002035427	0.000755561
2075 Oct	0.001529453	0.099390276	1.0464E-05	3.999564409	7.298993587	0.05773377	0.001477941	30.25415802	0.004122462	0.011020433	0.000424313	0.000704507	0.000288358	0.238400057	4.29191E-06	0.000700561	0.000657941	0.001978731	0.00073129
2075 Nov	0.001560567	0.099475592	1.04858E-05	3.985007763	7.515939713	0.058155078	0.001490221	31.6492581	0.004209378	0.011044108	0.000429765	0.00071696	0.000293209	0.239012241	4.26349E-06	0.00069804	0.000662527	0.001987863	0.000744228
2075 Dec	0.001569788	0.09950199	1.0492E-05	3.989558697	7.585277557	0.058392983	0.00149585	32.06940842	0.004239809	0.011048145	0.000432235	0.000721992	0.000295119	0.239628345	4.26293E-06	0.000699177	0.000664915	0.001992493	0.000749538
2076 Jan	0.001571328	0.099555507	1.04933E-05	3.990087271	7.596274853	0.058453389	0.001496529	32.13244629	0.004244308	0.011049702	0.000432701	0.000722689	0.000295388	0.239733666	4.26243E-06	0.000699235	0.000665522	0.001993174	0.000750231
2076 Feb	0.001572191	0.099668913	1.04985E-05	3.9919312	7.600162983	0.058515307	0.001497005	32.14400864	0.004246055	0.011055985	0.000433035	0.000722938	0.000295498	0.239869133	4.26407E-06	0.000699448	0.000666178	0.001994089	0.000750435
2076 Mar	0.001574371	0.099839099	1.05128E-05	3.997279406	7.61055088	0.058612686	0.001498893	32.18528748	0.004251628	0.011071436	0.000433688	0.000723861	0.000295879	0.240203917	4.2696E-06	0.000700325	0.00066726	0.001996757	0.000751362
2076 Apr	0.001580721	0.100259595	1.0555E-05	4.013296127	7.641160965	0.058858134	0.001504833	32.31325912	0.004268599	0.011116156	0.000435466	0.000726736	0.000297056	0.241173878	4.28661E-06	0.000703097	0.00067004	0.002004756	0.000754329
2076 May	0.001560791	0.114877634	1.0614E-05	3.892405272	7.388876438	0.064941287	0.001394384	29.84241295	0.004058798	0.01128888	0.000493905	0.000683908	0.00028352	0.238864705	4.12816E-06	0.000652672	0.000742592	0.002006443	0.000687438
2076 Jun	0.001362302	0.111552179	9.63803E-06	4.401616573	6.38488102	0.068348125	0.001463481	21.83286667	0.003712332	0.010617423	0.000505354	0.000652931	0.000275942	0.25746423	4.5375E-06	0.000765462	0.000746975	0.001847459	0.000682807
2076 Jul	0.001423405	0.108106561	1.0105E-05	4.674715519	6.728426933	0.067418717	0.001584761	23.72867775	0.0039725	0.011005842	0.000491012	0.000706121	0.000294515	0.269575804	4.86343E-06	0.000830582	0.00073652	0.001948131	0.000747065
2076 Aug	0.001523699	0.112595797	1.0668E-05	4.75354147	7.249657631	0.069579944	0.001635876	26.6266861	0.00421843	0.011471616	0.000510902	0.000740767	0.000309365	0.276640773	4.96026E-06	0.000839693	0.000757557	0.002040194	0.000780614
2076 Sep	0.001598064	0.112697057	1.0797E-05	4.669392586	7.73584938	0.069842547	0.001651783	29.93685722	0.004404677	0.011552796	0.000517802	0.00076366	0.000318582	0.275543779	4.85959E-06	0.000822128	0.000760945	0.002063844	0.000802959
2076 Oct	0.00156808	0.107286334	1.04112E-05	4.140393257	7.500340462	0.063042358	0.001525368	30.26801491	0.00417127	0.011198384	0.000469184	0.000703155	0.000294875	0.248948321	4.35113E-06	0.000718682	0.000696652	0.001934344	0.000735848
2076 Nov	0.001596122	0.106333695	1.03617E-05	4.064902306	7.711352825	0.062684059	0.001524234	31.85858154	0.004241447	0.011146985	0.00046933	0.000710969	0.000297709	0.246537551	4.26033E-06	0.000705001	0.000693592	0.001927686	0.000743758
2076 Dec	0.001611414	0.106339499	1.03687E-05	4.075040817	7.829942703	0.063116856	0.001534224	32.57254791	0.004294258	0.011148817	0.000473753	0.000719941	0.000301087	0.247692391	4.26121E-06	0.000707507	0.000697872	0.001935799	0.000753263
2077 Jan	0.001614256	0.106369331	1.03695E-05	4.076431274	7.851822376	0.063209899	0.001535824	32.70298004	0.004303682	0.011149084	0.000474602	0.000721504	0.000301676	0.247894436	4.2607E-06	0.00070782	0.000698794	0.001937155	0.000754887
2077 Feb	0.001614592	0.106434263	1.03713E-05	4.077012539	7.85326004	0.06324476	0.001535883	32.70549774	0.00430416	0.011151557	0.000474768	0.00072155	0.0003017	0.24794814	4.26106E-06	0.00070784	0.000699154	0.001937441	0.000754893
2077 Mar	0.001615452	0.10651309	1.03766E-05	4.079004288	7.857387066	0.063290112	0.001536553	32.72105026	0.004306238	0.011157451	0.000475057	0.000721879	0.000301841	0.248079911	4.263E-06	0.000708142	0.00069964	0.001938396	0.000755215
2077 Apr	0.001623358	0.107047938	1.04273E-05	4.09888792	7.895774364	0.063606687	0.001543992	32.87978363	0.004327181	0.011212121	0.000477403	0.000725379	0.000303306	0.249294877	4.2837E-06	0.000711568	0.000703132	0.001947848	0.000758863
2077 May	0.001611212	0.116250724	1.04554E-05	4.13531065	7.767600536	0.068472058	0.001505958	31.16326523	0.004233894	0.011333028	0.000520498	0.000709132	0.000299353	0.253220707	4.28406E-06	0.000703909	0.000755521	0.001955599	0.000732207
2077 Jun	0.001384879	0.112539075	9.77324E-06	4.377576828	6.566353321	0.068748526	0.001467817	22.83266449	0.003775563	0.010661094	0.000512053	0.000667898	0.000279539	0.256676376	4.52696E-06	0.000759897	0.000762061	0.001899155	0.00068689
2077 Jul	0.001456441	0.11694558	1.0467E-05	4.365217209	6.894062042	0.0694139	0.001469831	24.89559364	0.003942939	0.01120433	0.000520436	0.000699926	0.000287097	0.257559299	4.58807E-06	0.00075099	0.000795904	0.002062899	0.000700193
2077 Aug	0.001555034	0.121665619	1.10437E-05	4.468986511	7.401865005	0.071818896	0.001527391	27.6125412	0.004187936	0.011698448	0.000541167	0.000735016	0.000302297	0.265797287	4.70879E-06	0.000764773	0.000819775	0.002158231	0.000734775
2077 Sep	0.001476324	0.109594919	1.04069E-05	3.816696882	6.879489422	0.060952146	0.001376711	26.90533829	0.003813558	0.010962445	0.000455503	0.000639423	0.000268789	0.230862409	4.08722E-06	0.000641092	0.000690816	0.001919512	0.000645547
2077 Oct	0.001527437	0.106500655	1.0256E-05	3.882242918	7.248928547	0.060716558	0.001447533	29.14718056	0.003978479	0.010953235	0.000452597	0.000662314	0.00027969	0.2355178	4.10631E-06	0.000662612	0.000676622	0.001877926	0.000685496
2077 Nov	0.00155887	0.106714547	1.02913E-05	3.906404495	7.479612827	0.061575461	0.001468655	30.51481247	0.004082125	0.01098328	0.00046112	0.000679632	0.000286304	0.237994164	4.11451E-06	0.000668099	0.00068523	0.001895733	0.000703962
2077 Dec	0.001565876	0.106755823	1.02982E-05	3.911555767	7.531796455	0.061771292	0.00147327	30.82542419	0.004105519	0.010988531	0.00046308	0.000683566	0.000287797	0.238539264	4.11596E-06	0.000669283	0.000687204	0.001899744	0.000708128
2078 Jan	0.001567858	0.106801778	1.03006E-05	3.912967205	7.54607439	0.061840683	0.001474423	30.90765953	0.004111745	0.010990874	0.000463669	0.000684586	0.000288187	0.238699481	4.11625E-06	0.00066955	0.000687906	0.00190086	0.000709181
2078 Feb	0.001568302	0.106863528	1.03027E-05	3.913719654	7.548278332	0.061876271	0.001474597	30.91485977	0.004112623	0.010993565	0.000463858	0.000684704	0.000288239	0.238763824	4.11677E-06	0.000669613	0.000688274	0.001901241	0.000709267
2078 Mar	0.001568924	0.106926076	1.03066E-05	3.91515398	7.551173687	0.061911087	0.00147506	30.92506409	0.004114058	0.010998	0.000464074	0.000684926	0.000288336	0.238859907	4.11817E-06	0.00066982	0.000688648	0.001901938	0.000709478
2078 Apr	0.001583103	0.10789752	1.03991E-05	3.950302601	7.619648933	0.062475577	0.001488295	31.20596695	0.004151211	0.011096772	0.000468286	0.000691104	0.000290935	0.241012484	4.15501E-06	0.000675816	0.000694916	0.00191903	0.000715867
2078 May	0.001558046	0.125975847	1.02144E-05	4.243213654	7.483184814	0.074938811	0.001476915	27.87657928	0.004053755	0.011196616	0.000575921	0.000681952	0.000293535	0.259925216	4.31681E-06	0.000709703	0.000814926	0.001914706	0.000695662
2078 Jun	0.001446049	0.119406603	9.76477E-06	4.917604923	6.983653069	0.076761089	0.001649993	23.15761185	0.004005762	0.010913665	0.000573228	0.00070811	0.000304893	0.285973579	4.95713E-06	0.000865127	0.000807611	0.001874391	0.00074906
2078 Jul	0.001549763	0.125316128	1.04742E-05	5.073489666	7.485114574	0.079418384	0.001715007	25.6906414	0.004269558	0.011559851	0.000596364	0.000752473	0.000321523	0.296245217	5.15205E-06	0.000890124	0.00084219	0.002011447	0.000789047
2078 Aug	0.001617635	0.125681654	1.07742E-05	4.867204666	7.830858231	0.077774145	0.001678586	28.63295364	0.004386346	0.011636804	0.000592011	0.000759109	0.000324062	0.288172275	4.98255E-06	0.000845534	0.000821911	0.002037348	0.000790304
2078 Sep	0.001712894	0.123636246	1.08803E-05	4.721415997	8.521658897	0.077589177	0.001693208	33.56684875	0.004655136	0.011582942	0.000597183	0.00079304	0.000337401	0.285049319	4.80976E-06	0.000817049	0.00081806	0.002063663	0.000824755
2078 Oct	0.00178627	0.119856067	1.07091E-05	4.499668121	9.09944725	0.076129258	0.001686625	38.0748024	0.004852045	0.011400223	0.000593377	0.000816467	0.000345067	0.277528763	4.54678E-06	0.000778362	0.000806862	0.002046766	0.000849091
2078 Nov	0.001810111	0.119286031	1.07002E-05	4.460699081	9.272079468	0.076019131	0.001690892	39.31194687	0.004916902	0.011390786	0.000594364	0.000825043	0.000348136	0.276623577	4.49755E-06	0.000771633	0.000806677	0.002049103	0.000858084
2078 Dec	0.001817184	0.119296364	1.07048E-05	4.465010166	9.325941086	0.076209083	0.001695411	39.63709259	0.004940844	0.011393321	0.00059631	0.000829071	0.000349653	0.277135074	4.49786E-06	0.000772696	0.000808587	0.002052886	0.000862361
2079 Jan	0.00182454	0.119286902	1.07048E-05	4.468915462	9.384507179	0.076425411	0.001699944	39.99255753	0.004966548	0.011390714	0.000598466	0.000833436	0.000351283	0.27765888	4.49676E-06	0.000773722	0.000810712	0.002056428	0.000866985
2079 Feb	0.001826103	0.119321384	1.07049E-05	4.469734192	9.396673203	0.07648956	0.001700745	40.06329727	0.004971687	0.011390672	0.000598982	0.000834287	0.000351602	0.277780533	4.49635E-06	0.000773876	0.000811346	0.002057148	0.000867857
2079 Mar	0.001828542	0.119445898	1.07144E-05	4.474114895	9.411379814	0.076591358	0.001702667	40.13585663	0.004978781	0.011400735	0.000599784	0.000835471	0.00035208	0.278090298	4.50011E-06	0.00077464	0.000812401	0.002059345	0.00086908
2079 Apr	0.001838381	0.120063975	1.07689E-05	4.497160435	9.463457108	0.077002421	0.001711611	40.36457062	0.005005891	0.011458692	0.000603011	0.000840018	0.000353982	0.279546589	4.52287E-06	0.000778637	0.000816745	0.00207007	0.000873806
2079 May	0.001866937	0.124296159	1.09718E-05	4.547670364	9.584796906	0.079123661	0.001721565	40.70483398	0.005058222	0.011687735	0.000621282	0.000847612	0.000357675	0.283559024	4.57082E-06	0.000782649	0.00084145	0.00210822	0.000877742
2079 Jun	0.00138894	0.108315244	9.87016E-06	4.430523396	6.656878948	0.066497236	0.001519024	23.4345932	0.003832933	0.010588662	0.000493487	0.000684778	0.00028439	0.256716728	4.62349E-06	0.000779008	0.000739261	0.001927237	0.000699738
2079 Jul	0.001400578	0.104420632	1.0172E-05	4.541889668	6.696358681	0.064023048	0.001569227	23.85460472	0.003921147	0.010767646	0.000469421	0.00070906	0.000290348	0.259528965	4.8042E-06	0.000810122	0.000719148	0.001996978	0.000725517
2079 Aug	0.001512199	0.108710632	1.07024E-05	4.577475548	7.298541069	0.066005103	0.001610231	27.43390083	0.004193729	0.011181649	0.000491158	0.000747284	0.000306082	0.264935434	4.85434E-06	0.000811562	0.000737291	0.00208485	0.000762308
2079 Sep	0.001511857	0.104390822	1.04544E-05	4.069970608	7.22998476	0.060230557	0.001496519	28.74456596	0.004040737	0.010920454	0.000450145	0.000694824	0.00028732	0.241015598	4.35757E-06	0.000708758	0.000677861	0.001969275	0.000707307
2079 Oct	0.001531473	0.102286384	1.02279E-05	4.166278362	7.374773979	0.060352743	0.001562215	29.31367683	0.004101636	0.010893816	0.000447119	0.000699041	0.000292959	0.246415257	4.40145E-06	0.000733884	0.000662777	0.001895288	0.000730709
2079 Nov	0.001529875	0.101655208	1.01532E-05	4.262301445	7.351148605	0.060521916	0.00160196	28.83665657	0.004102394	0.010928424	0.000444617	0.000697839	0.000294804	0.25075677	4.48031E-06	0.000755641	0.000655402	0.001861224	0.000739657
2079 Dec	0.001527629	0.101200387	1.01065E-05	4.294822693	7.320360184	0.060323481	0.001618645	28.5327282	0.004090239	0.010946831	0.000440979	0.00069399	0.000294636	0.252097785	4.50572E-06	0.00076344	0.000648644	0.00183764	0.000741119
2080 Jan	0.001528988	0.10127081	1.01068E-05	4.296795845	7.330404282	0.060404647	0.001619593	28.58349228	0.004094492	0.010948243	0.000441509	0.00069468	0.000294916	0.252272218	4.50639E-06	0.000763776	0.000649378	0.001838126	0.000741867
2080 Feb	0.001529602	0.101383857	1.01084E-05	4.298447609	7.333949566	0.060480982	0.001619889	28.59164429	0.004095799	0.010951211	0.000441887	0.000694865	0.000295002	0.25240463	4.50727E-06	0.00076395	0.000650104	0.001838476	0.000742019
2080 Mar	0.001529896	0.101450503	1.01098E-05	4.298862934	7.335211277	0.060517054	0.001619868	28.59322929	0.004096129	0.010953289	0.000442051	0.000694881	0.000295015	0.252451271	4.50741E-06	0.000763931	0.000650473	0.001838685	0.000741989
2080 Apr	0.00153532	0.101837359	1.01454E-05	4.313882351	7.361089706	0.060745228	0.001625425	28.69208145	0.004110379	0.010992195	0.000443661	0.000697276	0.000296035	0.253345519	4.52301E-06	0.000766547	0.000652916	0.001845132	0.000744519
2080 May	0.001570307	0.104528077	1.03727E-05	4.404026031	7.529080868	0.06230244	0.001658136	29.34029007	0.004200274	0.011239736	0.000455623	0.000712282	0.000302458	0.258878827	4.61593E-06	0.000781671	0.000670009	0.001887198	0.000759738
2080 Jun	0.001371282	0.099354982	1.00501E-05	4.416385174	6.457502842	0.059422329	0.001563733	22.92591667	0.003786267	0.010702746	0.000426974	0.00067838	0.000279558	0.250851363	4.70992E-06	0.000790981	0.000669769	0.001925995	0.000700314
2080 Jul	0.001353103	0.099170513	1.02077E-05	4.443948269	6.306257725	0.058505371	0.001551012	22.06995201	0.003749351	0.010711179	0.000421448	0.000679176	0.000277797	0.250102907	4.78856E-06	0.00079774	0.000660843	0.001960938	0.000695241
2080 Aug	0.0013988	0.100946441	1.0515E-05	4.248709679	6.455717564	0.057053659	0.001502375	23.63949013	0.00377831	0.010837523	0.000416383	0.000669055	0.00027524	0.24206233	4.63498E-06	0.000751999	0.000640406	0.001969886	0.000680448

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.001414087	0.097980872	1.03839E-05	4.060658932	6.555993557	0.054954663	0.001481697	24.90236473	0.003766619	0.010661723	0.000399362	0.000648721	0.00027148	0.23421295	4.42626E-06	0.000713108	0.000605216	0.001891571	0.000668222
2080 Oct	0.001482719	0.097073987	1.01914E-05	4.315401077	7.074857235	0.057706319	0.001615718	27.22107887	0.004012971	0.010755904	0.000417798	0.00068878	0.000291137	0.249274746	4.58817E-06	0.000772182	0.000616831	0.001852395	0.000732258
2080 Nov	0.001505965	0.096745886	1.01156E-05	4.414444923	7.228824139	0.058462042	0.00166958	27.81478691	0.004085275	0.010826195	0.000421481	0.000699039	0.000297229	0.254868001	4.65425E-06	0.000795147	0.000617389	0.001827273	0.000752954
2080 Dec	0.00152013	0.096728317	1.0117E-05	4.425436497	7.336118221	0.058836821	0.001680163	28.45243645	0.004132595	0.010831851	0.000425191	0.000706823	0.000300276	0.256007373	4.65586E-06	0.00079789	0.000620787	0.001832308	0.000761742
2081 Jan	0.001521506	0.096795075	1.01189E-05	4.426570892	7.345539093	0.058900703	0.001680882	28.50311089	0.00413654	0.010834446	0.000425639	0.000707439	0.000300519	0.256134629	4.65609E-06	0.00079805	0.000621424	0.001833011	0.000762367
2081 Feb	0.001521755	0.096876092	1.012E-05	4.426750183	7.346432209	0.058942955	0.001680705	28.50178909	0.004136565	0.010836412	0.000425814	0.00070739	0.000300506	0.256174117	4.65591E-06	0.000797956	0.000621856	0.001833139	0.00076225
2081 Mar	0.001522506	0.096959375	1.01247E-05	4.428702831	7.349912643	0.058990434	0.001681308	28.51252747	0.004138272	0.010841858	0.000426085	0.000707655	0.000300623	0.256302327	4.65776E-06	0.000798241	0.000622347	0.001833949	0.000762504
2081 Apr	0.001531264	0.097565942	1.01793E-05	4.452476978	7.393208981	0.059364334	0.001690222	28.68255234	0.004161649	0.010901169	0.00042867	0.000711587	0.00030229	0.257730663	4.68202E-06	0.000802395	0.000626268	0.001843986	0.00076666
2081 May	0.001503111	0.119931638	1.02149E-05	4.49540329	7.118091106	0.07118766	0.001582835	24.95809364	0.003940765	0.011155624	0.00053528	0.00067402	0.000292212	0.265326977	4.63544E-06	0.000774481	0.000758617	0.001872569	0.000697976
2081 Jun	0.001451004	0.119261347	9.941E-06	5.026392937	7.026762009	0.075985856	0.001716327	22.64429855	0.004000414	0.010976207	0.000567134	0.000714577	0.000307999	0.288416326	5.1091E-06	0.000890032	0.000797412	0.0018969	0.000746972
2081 Jul	0.001574331	0.125675201	1.07556E-05	5.406285286	7.673640728	0.080503628	0.001861025	25.34454346	0.004372574	0.011797297	0.000600094	0.000783447	0.00033507	0.309703797	5.51335E-06	0.000962114	0.000848298	0.002066323	0.000818497
2081 Aug	0.001710723	0.133112982	1.1505E-05	5.677281857	8.409440994	0.085409023	0.001975453	28.81811905	0.004746561	0.012526952	0.000640023	0.000844565	0.000360691	0.327335477	5.78744E-06	0.001008448	0.000898686	0.002209402	0.000881397
2081 Sep	0.001756533	0.129387066	1.14775E-05	5.378192425	8.739596367	0.082631446	0.001926719	32.09704208	0.004834264	0.012335598	0.000623732	0.000843886	0.000360279	0.314991862	5.48659E-06	0.000949012	0.000869631	0.002187508	0.000879217
2081 Oct	0.001809686	0.126850918	1.13734E-05	5.186576843	9.136753082	0.081329994	0.001909573	35.35548782	0.00496512	0.01221756	0.000619429	0.000857187	0.000364344	0.308159858	5.27002E-06	0.000913881	0.000859621	0.002174465	0.000892859
2081 Nov	0.00180492	0.123153932	1.1155E-05	4.907615662	9.118022919	0.077910006	0.001844983	36.32692337	0.004899919	0.011995795	0.000595808	0.000836223	0.000355152	0.29474172	4.9934E-06	0.000860909	0.000828444	0.002117818	0.000870122
2081 Dec	0.001806039	0.122784227	1.11389E-05	4.872658253	9.121903419	0.077487402	0.001837539	36.48469925	0.004894402	0.011980816	0.000592883	0.000833803	0.000354109	0.293108255	4.95949E-06	0.000854133	0.000824742	0.00211202	0.000867462
2082 Jan	0.001807603	0.122828975	1.11388E-05	4.872197628	9.133495331	0.077544332	0.001837941	36.5550499	0.004898943	0.01198097	0.000593306	0.000834481	0.00035436	0.293173522	4.95785E-06	0.000853997	0.000825326	0.002112526	0.000868134
2082 Feb	0.00180822	0.122932196	1.11411E-05	4.87291193	9.136679649	0.077604294	0.001838003	36.56506348	0.004900001	0.011984231	0.0005936	0.000834598	0.000354413	0.293256283	4.95805E-06	0.000853987	0.000825939	0.002112936	0.000868185
2082 Mar	0.00180966	0.123070307	1.11497E-05	4.87647295	9.14371109	0.077685684	0.001839193	36.59013748	0.004903487	0.011993986	0.000594126	0.000835157	0.000354656	0.293488741	4.96145E-06	0.000854532	0.000826794	0.002114512	0.000868726
2082 Apr	0.001817009	0.123593591	1.11948E-05	4.896104813	9.180687904	0.078012496	0.001846508	36.73625183	0.004923157	0.012042855	0.00059657	0.000838488	0.000356073	0.294680446	4.9813E-06	0.000857926	0.000830266	0.002123042	0.000872167
2082 May	0.001853026	0.126099586	1.14162E-05	4.99187994	9.362586975	0.079583876	0.001882439	37.46308136	0.00502013	0.012281271	0.000608641	0.00085496	0.000363075	0.300483435	5.07848E-06	0.000874569	0.000847045	0.002165105	0.000889184
2082 Jun	0.001475486	0.103845999	1.03238E-05	4.54595089	7.253733635	0.064251043	0.001639972	27.00370789	0.004119347	0.010847705	0.000474604	0.000741142	0.000303037	0.261147648	4.80032E-06	0.000813338	0.000725424	0.002036754	0.000751447
2082 Jul	0.001384133	0.098686121	1.03506E-05	4.914165974	6.628936768	0.061718907	0.001730729	22.39114189	0.003963651	0.010874604	0.000440086	0.000733517	0.000300428	0.271641016	5.23949E-06	0.000900221	0.000684252	0.002021356	0.000758302
2082 Aug	0.001456665	0.102327526	1.08467E-05	4.919009209	6.952796936	0.062601343	0.001750074	24.33015633	0.004110619	0.011259053	0.000449098	0.000749227	0.000308074	0.274120182	5.2753E-06	0.000893998	0.000691712	0.002086888	0.000772098
2082 Sep	0.001481003	0.102451995	1.09468E-05	4.740524769	7.030031681	0.061063845	0.001713366	25.39166641	0.004103841	0.011323566	0.000438837	0.000735146	0.000303742	0.266673952	5.1105E-06	0.000854318	0.000676524	0.002072504	0.000756184
2082 Oct	0.001425183	0.097312748	1.03559E-05	4.021565437	6.577916145	0.053222626	0.001511672	24.95304489	0.003736382	0.010855623	0.000383006	0.000642302	0.000268242	0.23156409	4.39654E-06	0.000709095	0.000602193	0.001880425	0.000658549
2082 Nov	0.001465161	0.097400181	1.03751E-05	4.035657883	6.873239994	0.054174792	0.001535107	26.75662041	0.003864214	0.010875265	0.000392961	0.000662728	0.000276136	0.233995005	4.38751E-06	0.000712874	0.000611396	0.001896298	0.000680988
2082 Dec	0.001480959	0.097415768	1.03826E-05	4.046221256	6.995513916	0.054626796	0.001545373	27.49235916	0.003918712	0.010877647	0.000397566	0.000671977	0.000279621	0.235196352	4.38848E-06	0.000715464	0.000615866	0.001904691	0.000690882
2083 Jan	0.001482498	0.097462952	1.03845E-05	4.0470891	7.006409168	0.054684304	0.001546153	27.55481339	0.003923353	0.010879661	0.000398028	0.000672715	0.000279905	0.235313877	4.38843E-06	0.000715603	0.000616451	0.001905505	0.00069164
2083 Feb	0.001483306	0.097557664	1.03896E-05	4.048964024	7.010077	0.054735895	0.00154671	27.56619835	0.003925089	0.010885594	0.000398317	0.000672978	0.000280019	0.235442281	4.3902E-06	0.000715853	0.000617	0.001906401	0.00069187
2083 Mar	0.00148498	0.097690806	1.04011E-05	4.053362846	7.017896175	0.054809622	0.001548302	27.59521294	0.003929297	0.010897917	0.000398806	0.00067368	0.000280314	0.235708475	4.39483E-06	0.000716586	0.000617814	0.001908478	0.000692569
2083 Apr	0.001493504	0.09826462	1.04606E-05	4.076526165	7.058128357	0.055131055	0.001557101	27.75244331	0.003951724	0.010960476	0.000401118	0.000677513	0.000281911	0.237061515	4.41987E-06	0.000720656	0.000621427	0.001919389	0.000696498
2083 May	0.001557945	0.1143419	1.05012E-05	4.292418957	7.521863937	0.066916287	0.00157692	28.63074303	0.004112335	0.011176081	0.0005068	0.000705998	0.000297579	0.254993439	4.50531E-06	0.000742018	0.00073981	0.00197055	0.000714405
2083 Jun	0.00144309	0.112549797	9.9029E-06	5.155669212	7.127373219	0.073798843	0.001794058	23.40193939	0.004106653	0.010785966	0.000547501	0.000746073	0.000316989	0.291724712	5.27213E-06	0.000930463	0.000777683	0.001931393	0.000777109
2083 Jul	0.001497703	0.110104203	1.03957E-05	5.245833397	7.388457775	0.071678109	0.001851884	25.26288986	0.004287684	0.011114907	0.000528942	0.000781252	0.000327562	0.294946551	5.43978E-06	0.000955004	0.000760769	0.002027939	0.000812862
2083 Aug	0.00151773	0.110114194	1.06221E-05	4.745435238	7.298560143	0.066481993	0.001695246	26.50928879	0.004163388	0.011048068	0.000500344	0.000736546	0.000309983	0.271042913	5.02282E-06	0.000847514	0.000702701	0.001990932	0.000757559
2083 Sep	0.001555642	0.10629952	1.0454E-05	4.56111908	7.561034203	0.064188726	0.001691478	28.86118317	0.004228509	0.010957513	0.000482241	0.00073319	0.000310081	0.263952345	4.8085E-06	0.00081422	0.000677083	0.001933493	0.000762911
2083 Oct	0.001543576	0.099886872	1.00661E-05	4.794687271	7.556247234	0.062950894	0.001817951	28.23810768	0.004255725	0.010884045	0.000459339	0.000737505	0.000316282	0.273613751	4.98675E-06	0.000875393	0.000645421	0.001829219	0.000796419
2083 Nov	0.001562333	0.09851291	9.99721E-06	4.915273666	7.732132435	0.063704133	0.001876469	29.0038681	0.004351834	0.010880546	0.000463102	0.000755786	0.000324471	0.279846102	5.07968E-06	0.000904114	0.000646827	0.001822014	0.000823248
2083 Dec	0.001574052	0.098512635	1.00021E-05	4.920697212	7.822665215	0.064018086	0.001883402	29.55701065	0.004391705	0.010881361	0.000466385	0.000762475	0.000326975	0.280625939	5.07808E-06	0.000905538	0.000650007	0.001828047	0.000830371
2084 Jan	0.00157428	0.098562524	1.0003E-05	4.919929981	7.823402882	0.064036712	0.001883077	29.56025887	0.004391612	0.010882769	0.000466446	0.000762383	0.000326941	0.280612171	5.07715E-06	0.000905293	0.000650227	0.001828075	0.00083022
2084 Feb	0.001574637	0.098640621	1.00049E-05	4.92047596	7.824854851	0.064077936	0.001883077	29.56191444	0.004392021	0.01088549	0.000466635	0.000762407	0.000326958	0.280668855	5.07742E-06	0.000905283	0.000650652	0.001828362	0.00083019
2084 Mar	0.001576449	0.098784275	1.00162E-05	4.925829887	7.833683968	0.064166099	0.001885013	29.59319687	0.004396758	0.010898152	0.000467216	0.000763203	0.000327303	0.280988038	5.08279E-06	0.000906208	0.000651551	0.001830396	0.000831028
2084 Apr	0.001590208	0.099661052	1.01033E-05	4.968557358	7.902059555	0.064733811	0.001901315	29.85098076	0.004434978	0.010993088	0.000471319	0.000769823	0.000330143	0.28343451	5.12676E-06	0.000914037	0.000657317	0.001846309	0.000838219
2084 May	0.001578501	0.120879076	1.01803E-05	4.892382145	7.751434326	0.075597249	0.001766113	27.42726135	0.004255757	0.011197569	0.000573694	0.000736668	0.000320139	0.286008149	4.97049E-06	0.000862192	0.000785771	0.001892847	0.000769337
2084 Jun	0.001440379	0.112705931	9.72112E-06	5.341699123	7.171428204	0.075378634	0.001868867	22.85218048	0.004120856	0.010679757	0.000559965	0.000751849	0.00032313	0.299860418	5.42821E-06	0.000970694	0.000775874	0.001885202	0.000788924
2084 Jul	0.001512345	0.113967799	1.03021E-05	5.448198318	7.524169922	0.075380176	0.001924061	24.923172	0.004328005	0.011138715	0.000559801	0.000790551	0.000335581	0.305516332	5.5959E-06	0.000992542	0.000785355	0.002005809	0.000823963
2084 Aug	0.001584749	0.116342708	1.06993E-05	5.375639439	7.882601738	0.075615413	0.001922761	27.39817619	0.004475871	0.011397615	0.000565836	0.000804895	0.000342066	0.304513782	5.54679E-06	0.000972152	0.000786226	0.002056658	0.000836231
2084 Sep	0.001609311	0.112025768	1.05737E-05	4.95190382	8.053833961	0.071582027	0.001827479	30.08691788	0.004468183	0.011127135	0.000539615	0.000783379	0.000333554	0.285901606	5.12346E-06	0.000886332	0.000746074	0.002002428	0.000812717
2084 Oct	0.00160066	0.106789716	1.02593E-05	4.614416122	7.959780216	0.066556498	0.001758692	30.78377724	0.004353713	0.010926204	0.0050042	0.000748121	0.000319815	0.269386381	4.78444E-06	0.000823861	0.000696642	0.00189998	0.000783294
2084 Nov	0.001601145	0.104948327	1.017E-05	4.674830437	7.977071285	0.06607756	0.001792479	30.74627113	0.00437062	0.010906879	0.000493735	0.000751255	0.000321984	0.271814108	4.83379E-06	0.000840424	0.000686081	0.001874166	0.000794726
2084 Dec	0.001610804	0.104973301	1.01767E-05	4.680762768	8.050495148	0.066343017	0.001798557	31.18911362	0.004403301	0.010910657	0.000496445	0.000756754	0.000324055	0.272518724	4.83423E-06	0.000841865	0.000688757	0.00187942	0.000800609
2085 Jan	0.001616722	0.104985304	1.0177E-05	4.683355331	8.097221375	0.066522062	0.001801914	31.47331238	0.004423657	0.01090899	0.000498199	0.000760177	0.000325331	0.272921473	4.83277E-06	0.000842538	0.000690538	0.001882254	0.000804248
2085 Feb	0.001617837	0.105052598	1.0179E-05	4.684434414	8.10477829	0.066581331	0.001802459	31.512537	0.004426839	0.010911389	0.000498602	0.000760682	0.000325528	0.2730349	4.83311E-06	0.000842678	0.000691138	0.00188294	0.000804744
2085 Mar	0.001618553	0.105123743	1.01832E-05	4.68625021	8.108249664	0.066623047	0.001803065	31.52441216	0.004428545	0.010916259	0.000498859	0.000760953	0.000325647	0.273152858	4.83484E-06	0.000842955	0.00069157	0.001883702	0.000805006
2085 Apr	0.001626004	0.105622403	1.023E-05	4.707698822	8.145488739	0.066936888	0.001811261	31.66811943	0.004448783	0.010966603	0.000501177	0.000764418	0.000327131	0.274409652	4.85689E-06	0.000846784	0.000694827	0.00189234	0.000808657
2085 May	0.001611161	0.123421386	1.02318E-05	4.725448132	7.999969482	0.076668851	0.001721743	29.17051125	0.00430122	0.011129677	0.00059028	0.000739467	0.00032067	0.2802625	4.79377E-06	0.000821382	0.000804147	0.001917583	0.000759151
2085 Jun	0.001507041	0.128365234	1.0053E-05	5.10307169	7.41208601	0.081345394	0.001762214	23.70993614	0.00409386	0.0110632	0.000621571	0.000728485	0.000317453	0.295077473	5.15394E-06	0.000893672	0.000849198	0.001921738	0.000743137
2085 Jul	0.001601839	0.133583158	1.06558E-05	5.154319763	7.87277317	0.083224058	0.001792704	26.33514786	0.004315991	0.01157519	0.000641133	0.000762968	0.000329969	0.30034861	5.24112E-06	0.00089752	0.000875598	0.002035224	0.000771534
2085 Aug	0.00163502	0.128091544	1.06797E-05	4.741888523	8.080748558	0.07832142	0.001699079	29.46936989	0.004349875	0.011287988	0.000609562	0.00074929	0.000324044	0.28155157	4.86049E-06	0.000815558	0.000819854	0.002001851	0.000756498
2085 Sep	0.001634863	0.113611348	1.02756E-05	4.66859436	8.206969261	0.071526788	0.001763543	31.34511757	0.00441696	0.010903798	0.000546195	0.000752768	0.000326482	0.275569707	4.77771E-06	0.00082301	0.00073277	0.001888845	0.000788258
2085 Oct	0.001646196	0.106094077	1.00368E-05	5.018714905	8.398434639	0.070593409	0.001929388	31.83991432	0.0045795	0.010861211	0.000528042	0.000790649	0.000342754	0.290284961	5.09386E-06	0.000913311	0.000705884	0.001847231	0.000853692
2085 Nov	0.001649833	0.103412688	9.94977E-06	5.153306007	8.466222763	0.070333004	0.001991599	31.99415207	0.004639686	0.010844186	0.000522097	0.000804811	0.000348895	0.295964479	5.21569E-06	0.000947607	0.000696522	0.0018324	0.000877747
2085 Dec	0.001656975	0.103406757	9.95295E-06	5.155267715	8.520851135	0.070507802	0.001995445	32.33312988	0.004663536	0.01084494	0.000523975	0.000808756	0.000350362	0.296375245	5.21354E-06	0.000948197	0.000698342	0.001835975	0.000881944
2086 Jan	0.001657798	0.103452995	9.95361E-06	5.154598713	8.526391029	0.070542179	0.001995416	32.36663437	0.004665536	0.010845926	0.000524201	0.000809016	0.000350457	0.296394378	5.21229E-06	0.000947994	0.000698725	0.001836284	0.000882168
2086 Feb	0.001658	0.103522807	9.95446E-06	5.154576778	8.527072906	0.070577711	0.001995194	32.36556244	0.004665489	0.010847512	0.000524343	0.000808957	0.000350437	0.296420485	5.21196E-06	0.000947875	0.000699095	0.00183638	0.000882046
2086 Mar	0.001659007	0.10361167	9.95984E-06	5.15715313	8.53228569	0.070634186	0.001996107	32.38479996	0.004668046	0.010853699	0.000524703	0.000809373	0.000350618	0.296586692	5.21435E-06	0.000948289	0.000699664	0.001837378	0.000882467
2086 Apr	0.001669495	0.104280673	1.00223E-05	5.189404011	8.58628273	0.071088329	0.002008547	32.58969116	0.004697408	0.010921992	0.000528043	0.000814448	0.000352816	0.298452288	5.24682E-06	0.000954186	0.000704168	0.001848919	0.000887981
2086 May	0.001691465	0.113076262	1.02053E-05	5.155028343	8.649773598	0.075190693	0.001964741	32.46284866	0.004686464	0.011148375	0.000566981	0.000809201	0.000351615	0.299896866	5.19264E-06	0.000932452	0.000755412	0.001891204	0.000869029
2086 Jun	0.001442577	0.111064665	9.80289E-06	5.352514744	7.212985516	0.074106768	0.00189791	22.98069191	0.00413429	0.010649321	0.000549765	0.000757087	0.000324603	0.298908532	5.46966E-06	0.00097631	0.000764438	0.001899296	0.000789828
2086 Jul	0.00152009	0.109137736	1.04625E-05	5.585478783	7.638194561	0.073188491	0.002008962	25.43296623	0.004422121	0.011139977	0.00053873	0.00081697	0.000343871	0.30917573	5.78466E-06	0.001030949	0.000764063	0.002050343	0.000849946
2086 Aug	0.001612577	0.110075571	1.07692E-05	5.339566708	8.158308029	0.072402559	0.00196422	29.60116959	0.004608172	0.011227106	0.000542414	0.000831077	0.000349608	0.301150203	5.55123E-06	0.000976147	0.000753033	0.002082525	0.000861308
2086 Sep	0.001604277	0.103516802	1.04885E-05	4.63803339	8.07982254	0.065297686	0.001779195	31.71476364	0.004436821	0.010752365	0.000492077	0.000768543	0.000326152	0.268791437	4.86054E-06	0.000831552	0.000679927	0.001959772	0.000796227
2086 Oct	0.001667121	0.102498457	1.04014E-05	4.611886501	8.529136658	0.065843262	0.001813445	34.6123085	0.004615109	0.010761957	0.0004993	0.00079294	0.000336094	0.270346642	4.7868E-06	0.000829994	0.000683821	0.001948859	0.000828826
2086 Nov	0.001689083	0.102788225	1.04375E-05	4.639357567	8.686173439	0.066523775	0.001831008	35.49957657	0.00468777	0.010797103	0.000505633	0.00080531	0.000340905	0.272548676	4.80395E-06	0.000835844	0.000690487	0.001962818	0.000842323
2086 Dec	0.001699739	0.102794632	1.04425E-05	4.64602375	8.768590927	0.066823632	0.001837793	35.99741364	0.00472445	0.010798661	0.000508701	0.000811525	0.00034324	0.273337781	4.80416E-06	0.0008375	0.000693479	0.001968468	0.000849009
2087 Jan	0.00170096	0.102824435	1.04435E-05	4.646465778	8.777498245	0.066867121	0.001838356	36.04985809	0.004728212	0.010799645	0.000509062	0.000812125	0.000343467	0.273420393	4.80382E-06	0.000837572	0.000693926	0.001969066	0.000849632
2087 Feb	0.001701691	0.102898739	1.04475E-05	4.648115158	8.781177521	0.066911407	0.0018389	36.0631752	0.004729939	0.010804228	0.000509329	0.000812395	0.000343583	0.273533702	4.80532E-06	0.000837808	0.000694383	0.001969804	0.000849884
2087 Mar	0.001704023	0.103057817	1.04617E-05	4.65434742	8.793093681	0.067011878	0.001841297	36.11074829	0.004736237	0.01081917	0.000510053	0.000813461	0.000344037	0.273908406	4.81166E-06	0.000838897	0.000695424	0.00197246	0.000850982
2087 Apr	0.001709474	0.103397883	1.04951E-05	4.66916132	8.821147919	0.067231253	0.001847117	36.22514725	0.00475128	0.010853866	0.0005117	0.000816036	0.000345127	0.274784625	4.82692E-06	0.000841547	0.0006977	0.001978747	0.000853667
2087 May	0.001675562	0.113259703	1.04674E-05	4.767960072	8.538977623	0.072447993	0.00181797	33.26037979	0.004596862	0.010993615	0.00055548	0.000791975	0.000338821	0.280853689	4.88773E-06	0.00084649	0.00075221	0.001971649	0.000820023
2087 Jun	0.001480209	0.123051256	1.00245E-05	5.248800278	7.331171989	0.079253584	0.001833174	22.99765015	0.004102584	0.010896743	0.000600507	0.000739876	0.000321438	0.2984806	5.33184E-06	0.000933863	0.000820655	0.001920404	0.000757261
2087 Jul	0.001545577	0.124833956	1.04715E-05	5.082395077	7.623326302	0.078027606	0.001791386	25.53165245	0.004223443	0.011164556	0.00059812	0.000754453	0.00032389	0.292057157	5.22351E-06	0.000896723	0.000819742	0.002002915	0.000761496

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.001652309	0.129571766	1.10241E-05	5.167994022	8.18743515	0.080422908	0.00184372	28.68653679	0.004490362	0.011633052	0.000621298	0.000793739	0.000340081	0.299669236	5.32359E-06	0.000907999	0.000843332	0.002098005	0.000800505
2087 Sep	0.001751167	0.129438907	1.11911E-05	5.078297615	8.826701164	0.080828398	0.001867227	33.07444763	0.004750043	0.011782505	0.00062958	0.000827616	0.000353002	0.299380213	5.20874E-06	0.000890212	0.000850463	0.002134948	0.000837419
2087 Oct	0.001793861	0.125495821	1.10162E-05	4.817436218	9.148596764	0.078350186	0.00182928	36.19718933	0.00483943	0.011617555	0.000614877	0.000831057	0.000353044	0.288953155	4.924E-06	0.000842146	0.000829273	0.002100852	0.000843572
2087 Nov	0.001791361	0.123959184	1.09451E-05	4.699545383	9.119242668	0.076747976	0.001801404	36.49242401	0.004804611	0.011560149	0.00060273	0.000820195	0.000348502	0.283239216	4.80998E-06	0.000819499	0.000814778	0.002076634	0.000832947
2087 Dec	0.001807696	0.123906471	1.09488E-05	4.708856583	9.247787476	0.077195846	0.001811754	37.27580643	0.004861697	0.011557713	0.000607375	0.000829888	0.000352129	0.284409791	4.80893E-06	0.000821952	0.000819199	0.00208489	0.000843429
2088 Jan	0.001811103	0.123936959	1.09503E-05	4.710669994	9.273809433	0.077303529	0.001813707	37.43154907	0.004873053	0.01155859	0.000608363	0.000831776	0.000352839	0.284656703	4.80854E-06	0.000822365	0.000820275	0.002086603	0.000845442
2088 Feb	0.001811494	0.123994581	1.09515E-05	4.71106863	9.275981903	0.077338785	0.001813759	37.4396019	0.004873808	0.011560327	0.000608542	0.000831868	0.000352878	0.284705669	4.80861E-06	0.00082236	0.000820635	0.002086843	0.000845501
2088 Mar	0.001814064	0.124193914	1.09669E-05	4.717597485	9.288972855	0.077459887	0.00181618	37.49015808	0.004880483	0.011576931	0.000609435	0.000832988	0.000353356	0.285110354	4.81515E-06	0.000823454	0.000821914	0.002089748	0.000846616
2088 Apr	0.001836017	0.125732541	1.10994E-05	4.774435997	9.401144028	0.078414708	0.001837921	37.94009781	0.004939181	0.011717307	0.000616856	0.000842975	0.000357597	0.288561255	4.87296E-06	0.000833305	0.000832036	0.002114951	0.000856733
2088 May	0.001885442	0.130447194	1.1383E-05	4.885986328	9.649271965	0.081188664	0.001875886	38.86843491	0.005058538	0.012032995	0.000636265	0.00086215	0.00036588	0.296054512	4.9785E-06	0.00084989	0.00086152	0.002168473	0.000874568
2088 Jun	0.00144335	0.114008315	1.05155E-05	4.23799181	6.906067371	0.065006331	0.001514122	24.64665985	0.003834583	0.010869713	0.000493722	0.000685905	0.000281775	0.245914876	4.55559E-06	0.000732091	0.000750244	0.00204572	0.00065674
2088 Jul	0.00147593	0.11453297	1.10161E-05	4.511668205	7.068841934	0.065780565	0.001608573	24.92407227	0.003993608	0.011291768	0.00049427	0.000726911	0.000294998	0.257815957	4.8859E-06	0.000790461	0.000768286	0.002169979	0.000696235
2088 Aug	0.001630417	0.122224435	1.18607E-05	4.77684927	7.916713238	0.070761673	0.001729144	29.12069511	0.004417801	0.012076437	0.000535798	0.000796343	0.000323303	0.275624543	5.16121E-06	0.000835316	0.000822007	0.002335772	0.000765821
2088 Sep	0.001729624	0.12231876	1.1998E-05	4.748768806	8.600402832	0.072191425	0.00176845	33.554245	0.004706073	0.012165102	0.000552545	0.000837085	0.000339651	0.278519779	5.09399E-06	0.000829826	0.000834303	0.002372885	0.000811308
2088 Oct	0.001655165	0.113564655	1.1274E-05	4.07971859	8.058721542	0.063064247	0.001583951	32.7622757	0.004325438	0.011592913	0.000482769	0.000742847	0.000304264	0.244579107	4.42526E-06	0.000700543	0.000737465	0.002147014	0.000722832
2088 Nov	0.001639156	0.112034388	1.11559E-05	3.939067364	7.916635036	0.060998421	0.001544945	32.4063797	0.004232928	0.011518386	0.000466343	0.000719998	0.000295895	0.237323269	4.29058E-06	0.000672766	0.000715735	0.002099423	0.000701257
2088 Dec	0.001650575	0.112046704	1.1162E-05	3.946699142	8.004440308	0.061319623	0.001552374	32.93497467	0.004272101	0.011521037	0.000469609	0.00072662	0.000298396	0.238188833	4.29138E-06	0.000674632	0.0007189	0.002105437	0.000708428
2089 Jan	0.001651271	0.112089314	1.11631E-05	3.946880817	8.008917809	0.061352141	0.001552582	32.95944595	0.00427385	0.01152258	0.000469816	0.000726861	0.000298493	0.23823759	4.2911E-06	0.000674613	0.000719227	0.002105723	0.000708668
2089 Feb	0.001651713	0.112163216	1.11656E-05	3.947718143	8.010834694	0.06139164	0.001552733	32.96371841	0.00427458	0.011525847	0.000470014	0.000726948	0.000298535	0.238307089	4.29174E-06	0.000674673	0.00071964	0.002106143	0.000708712
2089 Mar	0.001654588	0.112381585	1.11848E-05	3.954451084	8.024694443	0.06151101	0.001555289	33.01895905	0.004281807	0.011545927	0.000470871	0.000728157	0.000299034	0.238724291	4.29891E-06	0.000675779	0.000721011	0.002109723	0.000709869
2089 Apr	0.00166723	0.11325711	1.127E-05	3.984565735	8.085938454	0.061990052	0.001567066	33.26963425	0.004314365	0.011634165	0.000474497	0.000733679	0.000301304	0.240550026	4.33153E-06	0.000680893	0.000726606	0.00212578	0.000715237
2089 May	0.001635725	0.126860961	1.11796E-05	4.07873106	7.829607487	0.069721021	0.001518729	30.12800026	0.00414628	0.011722479	0.000541743	0.000703734	0.000294966	0.248183474	4.35155E-06	0.000678011	0.000800937	0.002101705	0.000674076
2089 Jun	0.001527408	0.13884984	1.06394E-05	4.775377274	7.329458714	0.082101405	0.001632674	23.27231789	0.003970363	0.011475733	0.000636537	0.000698128	0.000302652	0.281444252	4.89691E-06	0.000807208	0.000891606	0.002021508	0.000678128
2089 Jul	0.001636851	0.141021132	1.11171E-05	4.703195572	7.952571869	0.082594924	0.001639524	27.57038307	0.004248795	0.011783823	0.00064944	0.000739949	0.000316453	0.281321526	4.85272E-06	0.000790465	0.000903212	0.002122399	0.000714683
2089 Aug	0.001759525	0.143410295	1.15791E-05	4.679086685	8.657575607	0.08372651	0.001670402	32.17855453	0.004563504	0.012090717	0.00066696	0.000784195	0.000333606	0.284149647	4.83896E-06	0.000783088	0.000910994	0.002202074	0.000760133
2089 Sep	0.001845093	0.13869302	1.1492E-05	4.483743668	9.291333199	0.081992418	0.001677275	37.15364075	0.004805634	0.011976037	0.000658415	0.000812719	0.000343901	0.27822575	4.60542E-06	0.000750078	0.000893383	0.002191996	0.000796302
2089 Oct	0.001754491	0.122260392	1.07781E-05	4.375538349	8.788284302	0.072707236	0.001705176	35.24386597	0.004589204	0.011445291	0.00056961	0.000769084	0.000328879	0.266934574	4.50205E-06	0.000753518	0.000778719	0.001990217	0.000783782
2089 Nov	0.001757981	0.120639682	1.07587E-05	4.495065212	8.832551956	0.072701283	0.001756759	35.21449661	0.004634904	0.011462853	0.000565876	0.000779286	0.000333849	0.272094429	4.61468E-06	0.000782028	0.000772185	0.001982373	0.000802014
2089 Dec	0.00176815	0.120670699	1.07665E-05	4.502158165	8.909675598	0.072985664	0.001763391	35.67702103	0.00466944	0.011467683	0.000568746	0.000785121	0.000336052	0.272873342	4.61606E-06	0.000783715	0.000775037	0.001988045	0.000808314
2090 Jan	0.001770178	0.120730162	1.077E-05	4.503808498	8.92374897	0.073058426	0.00176458	35.75667572	0.00467563	0.011471246	0.000569343	0.000786127	0.000336439	0.273046136	4.61667E-06	0.000784008	0.000775783	0.001989287	0.000809366
2090 Feb	0.001770997	0.120821662	1.07743E-05	4.505499363	8.927825928	0.073111594	0.001765107	35.77098465	0.004677458	0.011476382	0.00056966	0.000786401	0.000336559	0.273168921	4.61814E-06	0.000784227	0.000776336	0.001990075	0.000809611
2090 Mar	0.001773403	0.121003225	1.07885E-05	4.511352062	8.940008163	0.07322114	0.001767337	35.81915665	0.004683654	0.011491686	0.000570463	0.000787425	0.000336998	0.273535877	4.62397E-06	0.000785206	0.000777492	0.001992689	0.000810646
2090 Apr	0.001781587	0.121574432	1.08382E-05	4.532091141	8.981179237	0.073565379	0.00177541	35.98310089	0.004705142	0.01154482	0.000573113	0.000791027	0.000338541	0.27479887	4.64516E-06	0.000788791	0.000781144	0.002001857	0.000814341
2090 May	0.001831123	0.125400662	1.09805E-05	4.63176775	9.312394142	0.076828472	0.001811437	37.48281097	0.004855483	0.011706385	0.000602089	0.000817267	0.000349439	0.282264233	4.71434E-06	0.000804699	0.000815095	0.002047092	0.000839537
2090 Jun	0.001567818	0.119013593	1.04568E-05	5.616961479	7.976118565	0.079708822	0.002019949	26.57105637	0.004541178	0.011191473	0.000599398	0.000825149	0.000351955	0.31678167	5.71412E-06	0.001025074	0.000826877	0.00204234	0.000852489
2090 Jul	0.001610061	0.119029492	1.10272E-05	5.677891731	8.133731842	0.07833118	0.002050865	27.74713898	0.00467115	0.01160836	0.000587041	0.000853148	0.000358618	0.318802983	5.86097E-06	0.001038949	0.000828706	0.002166978	0.000871958
2090 Aug	0.001584537	0.110400684	1.08052E-05	5.052488804	7.910587788	0.070101686	0.001882434	28.93336678	0.004462287	0.011030181	0.000525564	0.000782054	0.000335084	0.288152993	5.27388E-06	0.000910834	0.000720035	0.002011102	0.00080823
2090 Sep	0.001642041	0.106721699	1.05959E-05	5.400046825	8.338967323	0.071315438	0.002065328	30.67189217	0.004700261	0.011120058	0.000527684	0.000819988	0.0003557	0.30586344	5.54181E-06	0.000994654	0.00070567	0.001942869	0.000877233
2090 Oct	0.001634295	0.104655102	1.03896E-05	5.761911869	8.228334427	0.071264423	0.002217098	28.92384338	0.004707126	0.011332005	0.000516304	0.00082405	0.000362232	0.321010619	5.86921E-06	0.001080043	0.000686349	0.001861017	0.000904901
2090 Nov	0.00163825	0.103907675	1.03343E-05	5.860561848	8.284716606	0.071742177	0.002257105	29.01345825	0.004748791	0.011321099	0.000518859	0.00083385	0.000366772	0.325523525	5.95288E-06	0.001103199	0.000686273	0.001853889	0.000919081
2090 Dec	0.001652009	0.103905492	1.03404E-05	5.86563921	8.390650749	0.07210052	0.002264757	29.66519165	0.004795232	0.011322198	0.000522642	0.000841613	0.000369661	0.326379925	5.94985E-06	0.00110459	0.000689968	0.001861011	0.000927421
2091 Jan	0.001657199	0.10393957	1.03417E-05	5.867246151	8.430891991	0.072259195	0.00226736	29.91042137	0.004812563	0.011321897	0.000524165	0.000844493	0.000370729	0.326705396	5.94803E-06	0.001104992	0.000691594	0.001863587	0.000930477
2091 Feb	0.00165866	0.104002781	1.03425E-05	5.867797375	8.441666603	0.072329439	0.002267881	29.97138977	0.004816965	0.011322912	0.000524678	0.000845195	0.000370992	0.326815903	5.94745E-06	0.001105034	0.000692312	0.001864322	0.000931177
2091 Mar	0.001662488	0.104266055	1.03655E-05	5.880566597	8.461289406	0.072508827	0.002272747	30.0415802	0.004827803	0.011348346	0.000525928	0.000847067	0.000371813	0.327546865	5.96015E-06	0.001107381	0.000694048	0.001868488	0.000933208
2091 Apr	0.001677234	0.105208717	1.04573E-05	5.932484627	8.536213875	0.073160104	0.002292745	30.30649567	0.004870418	0.011449091	0.000530616	0.000854529	0.00037509	0.330447227	6.01268E-06	0.001117121	0.000700292	0.001885023	0.00094141
2091 May	0.001693011	0.115071639	1.06383E-05	5.921231747	8.561577797	0.077964038	0.002246458	29.77202225	0.004841407	0.011678953	0.000575406	0.000847728	0.000373503	0.33299613	5.97818E-06	0.00109834	0.000758524	0.001930159	0.000919374
2091 Jun	0.001549834	0.125246167	1.03409E-05	5.823358059	7.796093464	0.08341606	0.002069965	24.38029099	0.004444291	0.011270761	0.000630505	0.000805058	0.000351413	0.326732934	5.86509E-06	0.001059371	0.000844547	0.001980253	0.000829921
2091 Jul	0.00167148	0.13106671	1.11384E-05	6.061882496	8.454636574	0.086883374	0.002171422	27.65146255	0.004797407	0.011993242	0.000659094	0.000869745	0.000374749	0.341299593	6.14032E-06	0.001102639	0.00089312	0.002159186	0.000889028
2091 Aug	0.0016979	0.124881424	1.10981E-05	5.478358746	8.610384941	0.080856867	0.002018478	30.99095917	0.004770758	0.011608239	0.000619729	0.000839431	0.000362141	0.314811528	5.5911E-06	0.000983077	0.000827871	0.002103928	0.000857273
2091 Sep	0.001719749	0.116394021	1.08652E-05	4.895905018	8.809969902	0.074531838	0.001883615	34.62924957	0.004756137	0.011124668	0.000575078	0.000811099	0.000350471	0.288583815	5.01272E-06	0.000867383	0.000761242	0.002022129	0.000832337
2091 Oct	0.001728296	0.109560065	1.05153E-05	5.343314648	8.976475716	0.07432095	0.002084804	34.50301743	0.004909822	0.011094739	0.000562174	0.000848713	0.0003683	0.307661384	5.40194E-06	0.000979767	0.000735129	0.001948765	0.000902348
2091 Nov	0.001697097	0.106028251	1.03431E-05	5.607114792	8.772604942	0.073282458	0.002186123	32.5212059	0.004870765	0.011125267	0.000544408	0.000848929	0.000370872	0.317142636	5.65932E-06	0.001044241	0.000710286	0.001891767	0.000919294
2091 Dec	0.001705684	0.105969116	1.03465E-05	5.609778404	8.83549881	0.073431753	0.002191469	32.91330719	0.004898209	0.011130592	0.000546043	0.00085334	0.00037254	0.317616791	5.65743E-06	0.001045143	0.00071179	0.001894973	0.000924315
2092 Jan	0.001715661	0.105984218	1.03475E-05	5.613690853	8.914124489	0.073727258	0.002196935	33.39382172	0.004932465	0.011128055	0.000548978	0.000859105	0.000374678	0.31827274	5.65466E-06	0.001046182	0.000714776	0.001899894	0.000930503
2092 Feb	0.001718451	0.106077306	1.03507E-05	5.615969181	8.934358597	0.073845707	0.002198474	33.50718307	0.004941219	0.011131329	0.000549906	0.000860547	0.000375228	0.318523169	5.65514E-06	0.001046571	0.00071597	0.001901514	0.000932
2092 Mar	0.001723018	0.106392749	1.03778E-05	5.630351067	8.957962036	0.074058093	0.002203983	33.59412766	0.004953974	0.011160863	0.000551414	0.000862737	0.000376185	0.319357663	5.66941E-06	0.00104918	0.000718046	0.001906468	0.000934336
2092 Apr	0.001735672	0.107194766	1.04539E-05	5.671471596	9.023599625	0.074611478	0.002220001	33.83889389	0.00499013	0.011242991	0.00055549	0.000869015	0.000378925	0.32169953	5.71071E-06	0.001056802	0.000723421	0.00192043	0.000941116
2092 May	0.001761361	0.117629454	1.05906E-05	5.71675396	9.152329445	0.080619536	0.002193424	33.71217346	0.005011831	0.011453444	0.00061082	0.000872787	0.000381728	0.327666998	5.71128E-06	0.001049956	0.000792182	0.001968705	0.000931025
2092 Jun	0.00152124	0.112084344	9.91936E-06	6.145339966	7.910608292	0.080361724	0.002226477	24.77023315	0.004570223	0.010746186	0.000598978	0.000846876	0.00036705	0.336916298	6.15805E-06	0.001151445	0.000790759	0.001934546	0.000890356
2092 Jul	0.001568966	0.106944814	1.02825E-05	6.057310581	8.218334198	0.076716073	0.002230808	27.58276367	0.004742001	0.010863903	0.000571376	0.000882614	0.000374017	0.331641078	6.14624E-06	0.001142297	0.000771657	0.002040812	0.000919951
2092 Aug	0.001731026	0.111140423	1.08429E-05	6.18260622	9.24019146	0.08081048	0.002324814	33.49362564	0.005211969	0.011311181	0.000610194	0.000955696	0.000403336	0.343840688	6.24426E-06	0.001162969	0.000811985	0.002164465	0.000996848
2092 Sep	0.001897011	0.108305119	1.08211E-05	5.876469612	10.49205303	0.081724189	0.002314033	42.55343246	0.005692549	0.011123892	0.000631997	0.001018869	0.000426354	0.33752498	5.85287E-06	0.001102688	0.000823141	0.002199796	0.001066114
2092 Oct	0.00198876	0.10569112	1.06559E-05	5.563466072	11.17037392	0.080807112	0.002271468	47.97563553	0.005918179	0.010967655	0.000634782	0.00104255	0.000433647	0.327482939	5.48564E-06	0.001042155	0.000820588	0.002187047	0.001093266
2092 Nov	0.00202953	0.105059363	1.06247E-05	5.498954296	11.47681046	0.08108592	0.002273058	50.14821625	0.006035923	0.010934245	0.00064058	0.001058879	0.000439419	0.326402128	5.39691E-06	0.001030328	0.000824893	0.002193238	0.001111476
2092 Dec	0.002035817	0.105116598	1.06329E-05	5.503660679	11.52253532	0.081260271	0.002277146	50.41902924	0.006056479	0.01094116	0.000642304	0.001062309	0.000440726	0.326892763	5.39856E-06	0.001031369	0.000826678	0.002196989	0.001115185
2093 Jan	0.002039507	0.105139643	1.06336E-05	5.504983425	11.55116367	0.08137425	0.002279072	50.59295273	0.006068842	0.010940918	0.000643386	0.001064359	0.000441491	0.327133566	5.3974E-06	0.001031696	0.000827825	0.002198734	0.001117391
2093 Feb	0.002041343	0.105209477	1.06366E-05	5.506924629	11.56405926	0.081453636	0.002280199	50.66317368	0.006074521	0.010944138	0.000643999	0.001065299	0.000441854	0.327316284	5.39827E-06	0.001032031	0.000828625	0.002199907	0.001118366
2093 Mar	0.002051849	0.105627365	1.06775E-05	5.529383659	11.62955666	0.081853785	0.002290456	50.98483658	0.006107025	0.010985455	0.000647296	0.001070936	0.000444127	0.328764945	5.41842E-06	0.001036312	0.000832672	0.00220964	0.001124327
2093 Apr	0.002068404	0.106467932	1.07613E-05	5.572899818	11.72433567	0.082515351	0.002308611	51.40563202	0.006156407	0.011071606	0.000652528	0.001079577	0.0004477	0.331376255	5.46069E-06	0.001044462	0.000839399	0.002227174	0.001133396
2093 May	0.002053447	0.117458127	1.08487E-05	5.524316311	11.51098442	0.087165378	0.002234044	49.31834793	0.00600471	0.011274338	0.000694938	0.001049427	0.000438275	0.331546575	5.38763E-06	0.001015407	0.000894373	0.002235009	0.001088082
2093 Jun	0.001569783	0.119376399	1.00717E-05	5.961611271	8.190514565	0.083496965	0.002152923	26.30761909	0.004610308	0.010853722	0.000633946	0.00084696	0.00036649	0.332258552	5.94049E-06	0.001100434	0.000835976	0.001977042	0.000876484
2093 Jul	0.00163691	0.120870665	1.06453E-05	6.049997807	8.494976044	0.083290823	0.002198897	28.13210106	0.004792485	0.011301853	0.000632724	0.000880083	0.000377107	0.336887598	6.0923E-06	0.001118185	0.000841666	0.002088227	0.000906016
2093 Aug	0.001754246	0.12384022	1.10896E-05	6.027686596	9.182534218	0.085015066	0.002227351	32.51857758	0.005093852	0.011615721	0.000653449	0.000922023	0.000393609	0.340185493	6.07116E-06	0.001109132	0.000858441	0.002170046	0.000948754
2093 Sep	0.001818461	0.120381542	1.09989E-05	5.645099163	9.609163284	0.082160927	0.002155507	36.69469833	0.005206638	0.011492621	0.000637606	0.000922591	0.000392403	0.325297415	5.67216E-06	0.001032847	0.000836136	0.002143861	0.000951579
2093 Oct	0.00170544	0.108602524	1.02826E-05	5.35682869	8.847962379	0.073200621	0.002093149	33.34088135	0.004819772	0.011006844	0.000555245	0.000842108	0.000363827	0.306045651	5.39468E-06	0.000989658	0.000729917	0.00191591	0.00089305
2093 Nov	0.001688326	0.105553135	1.01591E-05	5.564594746	8.751270294	0.072580561	0.002178791	32.16917419	0.004815839	0.010997759	0.000542589	0.000844239	0.000367648	0.314008594	5.58839E-06	0.001039714	0.000708151	0.001866799	0.000910327
2093 Dec	0.001695763	0.105602339	1.01677E-05	5.567579269	8.805247307	0.072763227	0.002182891	32.49859619	0.004839628	0.011004737	0.000544475	0.000848122	0.000369111	0.314471185	5.58782E-06	0.001040421	0.000710094	0.001870956	0.000914513
2094 Jan	0.001701285	0.105644666	1.017E-05	5.569910526	8.847691536	0.0729343	0.00218584	32.75536346	0.004858087	0.011005465	0.000546096	0.000851195	0.000370256	0.314844459	5.58663E-06	0.001040969	0.000711835	0.001873786	0.000917804
2094 Feb	0.00170299	0.105719239	1.01718E-05	5.571080685	8.859948158	0.073015027	0.002186626	32.82321167	0.004863248	0.011007563	0.000546687	0.000852028	0.000370573	0.314993709	5.5866E-06	0.001041129	0.000712654	0.001874741	0.000918651
2094 Mar	0.001706476	0.105961941	1.0192E-05	5.581868649	8.878097534	0.07317809	0.002190773	32.8900795	0.00487291	0.011029717	0.000547846	0.000853691	0.000371297	0.31562236	5.5972E-06	0.001043084	0.00071426	0.001878463	0.000920414
2094 Apr	0.001715627	0.106548674	1.02466E-05	5.611589909	8.925564766	0.073579028	0.002202366	33.06469345	0.004898835	0.011089004	0.000550808	0.000858217	0.000373267	0.317311525	5.62691E-06	0.001048601	0.000718181	0.001888501	0.000925275
2094 May	0.001715584	0.11768049	1.02553E-05	5.778565884	8.955182076	0.081241861	0.002197861	31.81713104	0.004893411	0.011178296	0.000618471	0.000862902	0.000377724	0.328600585	5.7238E-06	0.001066379	0.000796812	0.001921986	0.000916992
2094 Jun	0.00163781	0.133070171	1.03156E-05	6.043282986	8.483799934	0.090757571	0.002158079	26.85962105	0.004691371	0.011278556	0.000699876	0.000848659	0.000372846	0.34209615	5.94533E-06	0.001097314	0.000906845	0.001998035	0.000871338

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.001777204	0.140512109	1.11204E-05	6.20010376	9.234041214	0.094727479	0.002232456	30.85426903	0.005059415	0.011999172	0.000736436	0.000910657	0.000395614	0.354149938	6.12872E-06	0.001120708	0.000959634	0.002171034	0.000926556
2094 Aug	0.002018503	0.149206132	1.1983E-05	6.56991291	10.75115681	0.102916248	0.002420807	38.8547821	0.005784501	0.012799189	0.000809772	0.001031796	0.000444253	0.380868018	6.44534E-06	0.001189016	0.001041432	0.002374948	0.001053776
2094 Sep	0.00206467	0.142310128	1.17658E-05	6.054911613	11.07631779	0.097505413	0.002313643	43.06396484	0.005838038	0.012526833	0.000773391	0.001019993	0.000436924	0.358600676	5.92935E-06	0.001089752	0.000995036	0.002320112	0.001045277
2094 Oct	0.002018451	0.130402505	1.11536E-05	5.248714924	10.78298473	0.086849794	0.002096955	44.5876503	0.005572305	0.011917219	0.000693211	0.000949147	0.000405145	0.318817168	5.15439E-06	0.000935798	0.00089952	0.00216189	0.000976077
2094 Nov	0.001926645	0.120295674	1.06459E-05	4.731946468	10.14865685	0.077603191	0.001944806	42.84840012	0.005217043	0.011438237	0.000616407	0.000873213	0.000373704	0.290142208	4.6852E-06	0.000840038	0.000809076	0.002008136	0.000905219
2094 Dec	0.001924156	0.119631454	1.06184E-05	4.738904953	10.14165497	0.077361204	0.0019496	42.81429291	0.005216653	0.011412914	0.000613913	0.000873414	0.000373855	0.2902565	4.6908E-06	0.000842656	0.00080537	0.002001875	0.000906934
2095 Jan	0.001932232	0.119665831	1.06209E-05	4.743345737	10.2045269	0.077609926	0.001954361	43.19325638	0.005244283	0.011412974	0.000616289	0.000878071	0.000375595	0.290844262	4.68999E-06	0.000843728	0.000807848	0.002006006	0.000911976
2095 Feb	0.001933674	0.119754829	1.06232E-05	4.745724201	10.21461296	0.07769642	0.001955374	43.24232483	0.005248684	0.011415951	0.00061685	0.000878804	0.000375886	0.29103744	4.69127E-06	0.000844118	0.000808676	0.002006886	0.000912734
2095 Mar	0.001937147	0.119931407	1.0636E-05	4.752205849	10.2358551	0.07784304	0.001958315	43.34537888	0.005258789	0.011429692	0.000617991	0.000880492	0.000376575	0.291487992	4.69672E-06	0.00084527	0.000810166	0.002009833	0.000914497
2095 Apr	0.001950279	0.120764025	1.07079E-05	4.784224987	10.30517578	0.078381002	0.001971435	43.63769913	0.00529425	0.011507174	0.000622209	0.000886412	0.000379109	0.293462515	4.72824E-06	0.000850925	0.000815763	0.002023403	0.000920626
2095 May	0.001847805	0.131932035	1.06269E-05	5.031034946	9.603610992	0.08466243	0.001946634	37.42060852	0.004987145	0.011540617	0.000670948	0.000845529	0.00036746	0.304020941	4.94529E-06	0.000883843	0.00087483	0.002005775	0.000865813
2095 Jun	0.001718002	0.1441129	1.07025E-05	5.70274353	8.763207436	0.093447	0.002039114	28.92182159	0.004714867	0.011721482	0.000731941	0.000828899	0.000366185	0.332280338	5.59507E-06	0.001006557	0.000952262	0.002037628	0.000837736
2095 Jul	0.001842684	0.152763963	1.15315E-05	5.900857449	9.348275185	0.097412467	0.002117518	31.65630531	0.005012378	0.012503856	0.000766803	0.000876422	0.000385512	0.345552832	5.82775E-06	0.001036459	0.0009972	0.002185103	0.000881302
2095 Aug	0.001818114	0.143923372	1.13683E-05	5.320467949	9.172253609	0.089320831	0.001948996	33.18609619	0.004861779	0.012017729	0.000708402	0.000831405	0.000365454	0.316312522	5.31562E-06	0.000922763	0.000912138	0.002108336	0.000835132
2095 Sep	0.001866369	0.137030929	1.13044E-05	4.97994709	9.569830894	0.085500993	0.001892872	37.31183243	0.004989399	0.011728968	0.000681859	0.000837095	0.000366568	0.302086085	4.97579E-06	0.000857541	0.000871747	0.002088521	0.000845863
2095 Oct	0.001951451	0.13440685	1.12385E-05	4.890155792	10.22881985	0.085741401	0.001916637	41.94094426	0.005259493	0.011657296	0.000689768	0.000878063	0.000380826	0.301445246	4.83964E-06	0.000844833	0.000877073	0.002107512	0.000892871
2095 Nov	0.00192763	0.129025936	1.09902E-05	4.566127777	10.04964924	0.080726035	0.001833296	42.20817947	0.005128772	0.011461759	0.000649896	0.000845703	0.00036623	0.284884572	4.53657E-06	0.000784416	0.000833654	0.002038854	0.000862341
2095 Dec	0.001927158	0.12846294	1.09682E-05	4.523749352	10.04090023	0.080148995	0.001822938	42.32694244	0.005118035	0.01144649	0.000645429	0.000842384	0.000364667	0.282842904	4.49655E-06	0.000776305	0.000829028	0.002032116	0.000859221
2096 Jan	0.001935475	0.128489017	1.09701E-05	4.528237343	10.10591888	0.080402873	0.001827869	42.71961212	0.005146577	0.011446049	0.000647842	0.000847201	0.000366463	0.283444345	4.49553E-06	0.000777412	0.000831561	0.002036278	0.000864452
2096 Feb	0.001938144	0.128643617	1.09771E-05	4.531697273	10.12319946	0.080533639	0.001829505	42.80706787	0.005154192	0.011453858	0.000648777	0.000848429	0.000366952	0.283742577	4.49765E-06	0.000777941	0.000832889	0.002038189	0.000865696
2096 Mar	0.001940711	0.128854901	1.09914E-05	4.537458897	10.13634777	0.080660805	0.001831665	42.85943222	0.005160622	0.011469376	0.000649689	0.000849455	0.000367399	0.284121335	4.50314E-06	0.000778851	0.000834202	0.002040805	0.000866703
2096 Apr	0.001953008	0.129695311	1.1061E-05	4.566099644	10.20038128	0.081183545	0.001843127	43.1281395	0.005193083	0.011542337	0.000653835	0.000854779	0.000369705	0.285924256	4.53144E-06	0.000783722	0.000839607	0.002053697	0.000872113
2096 May	0.001991932	0.136629805	1.10897E-05	4.738356113	10.51835823	0.087197311	0.001881237	43.98113632	0.005332053	0.011647923	0.000706848	0.000883772	0.000382163	0.297759682	4.63542E-06	0.000810956	0.000902244	0.002098712	0.000896768
2096 Jun	0.001612477	0.114969358	1.03055E-05	6.354269028	8.521888733	0.083534658	0.002331752	27.97694206	0.00492517	0.010969079	0.000628416	0.000906009	0.000390203	0.350613773	6.31133E-06	0.001197337	0.000823722	0.00202492	0.000949146
2096 Jul	0.001711003	0.115787156	1.09964E-05	6.755270481	9.094189644	0.085384056	0.002500448	30.64148903	0.005299459	0.011561096	0.00063918	0.000981174	0.000417873	0.370311111	6.75378E-06	0.001284606	0.000845035	0.002182299	0.001027829
2096 Aug	0.001860179	0.12146616	1.16759E-05	6.970565796	9.970939636	0.089808002	0.002613027	35.2770462	0.005725046	0.012159145	0.000677418	0.001048902	0.000445861	0.385852009	6.95973E-06	0.001321864	0.0008887	0.00231743	0.001098935
2096 Sep	0.001844052	0.115616739	1.13224E-05	6.149893761	9.786019325	0.081867583	0.002374361	37.05102158	0.005475769	0.011773794	0.000621812	0.000975428	0.000415019	0.34764111	6.17146E-06	0.001152424	0.000821254	0.002195755	0.001021107
2096 Oct	0.001762449	0.108154103	1.06638E-05	5.332444668	9.11632061	0.0718676	0.002126988	35.71009827	0.005003676	0.0113049	0.000544345	0.000863085	0.000370946	0.306739002	5.38442E-06	0.000987973	0.000726578	0.001976345	0.00091214
2096 Nov	0.00175803	0.107873365	1.06327E-05	5.39720726	9.065168381	0.071784928	0.002153251	35.15493393	0.0049894	0.011337486	0.000541139	0.000859693	0.000371259	0.309360892	5.44289E-06	0.001002623	0.000719494	0.001952717	0.000914357
2096 Dec	0.001764801	0.107868426	1.06355E-05	5.399535179	9.117217064	0.071958177	0.002156981	35.47597504	0.00501218	0.011338085	0.00054297	0.000863488	0.000372673	0.309774369	5.44126E-06	0.001003275	0.000721275	0.001956145	0.000918496
2097 Jan	0.001768386	0.107894264	1.0636E-05	5.400506496	9.145114899	0.072070673	0.002158715	35.64608383	0.005024121	0.011337594	0.000544026	0.000865465	0.000373405	0.309996068	5.4398E-06	0.001003517	0.00072242	0.001957845	0.000920622
2097 Feb	0.001769033	0.107947975	1.06363E-05	5.400610447	9.149670601	0.072114162	0.002158781	35.6700325	0.005025805	0.011338366	0.000544289	0.000865711	0.000373498	0.310046852	5.43928E-06	0.001003461	0.000722864	0.001958131	0.000920846
2097 Mar	0.001771149	0.108103834	1.06489E-05	5.406774044	9.160457611	0.072213314	0.002161142	35.71034241	0.005031529	0.011352065	0.000544978	0.000866674	0.000373916	0.310413569	5.44535E-06	0.001004552	0.000723864	0.001960414	0.000921844
2097 Apr	0.001785703	0.109008007	1.07363E-05	5.451050282	9.235614777	0.072814204	0.002178778	36.00219727	0.005072703	0.011445476	0.000549478	0.000873753	0.000376972	0.312962651	5.48986E-06	0.001012747	0.000729891	0.001976493	0.000929359
2097 May	0.001788064	0.120030001	1.09024E-05	5.412297249	9.146481514	0.07775902	0.002112188	34.72623444	0.004982484	0.011685437	0.000595243	0.00085513	0.000371271	0.314105272	5.43063E-06	0.000985732	0.00078999	0.002010568	0.000894012
2097 Jun	0.001649348	0.131167099	1.06837E-05	6.033227921	8.428246498	0.087718971	0.002179921	27.18354225	0.004748296	0.011517936	0.000672085	0.000851773	0.000372699	0.340781152	5.98283E-06	0.001100926	0.000883404	0.002039131	0.000872626
2097 Jul	0.00176497	0.136756465	1.14293E-05	6.210006714	9.025812149	0.090502732	0.002258888	30.29126358	0.005061234	0.012169885	0.000696984	0.000905868	0.00039263	0.352233887	6.19804E-06	0.001131477	0.000919917	0.002190857	0.000922621
2097 Aug	0.001849772	0.139191791	1.18406E-05	6.168670654	9.475091934	0.091201529	0.002269605	33.25569916	0.005256009	0.012460235	0.00070707	0.0009301	0.000402441	0.353129119	6.17642E-06	0.001118245	0.000926236	0.002254163	0.000946992
2097 Sep	0.001922232	0.138917133	1.19863E-05	6.081016541	9.947003365	0.091398954	0.002277376	36.57528687	0.005444878	0.01255211	0.000712341	0.000954046	0.000411539	0.351939499	6.07643E-06	0.001099676	0.000929917	0.002285124	0.000973759
2097 Oct	0.001894287	0.132968798	1.16582E-05	5.591894627	9.734056473	0.08523871	0.002140834	37.16227722	0.005258558	0.012261544	0.000665798	0.000906236	0.000390736	0.327848554	5.61231E-06	0.001003808	0.000876361	0.002192203	0.000925894
2097 Nov	0.001870468	0.129750937	1.14694E-05	5.339381218	9.562252998	0.081875809	0.002066587	37.08012772	0.005135844	0.012092538	0.000639829	0.000877518	0.000378476	0.31501928	5.37548E-06	0.000954404	0.000846481	0.002138636	0.0008969
2097 Dec	0.001868755	0.129146919	1.14334E-05	5.30266571	9.555314064	0.081411108	0.002057166	37.18846893	0.005125799	0.012058475	0.000636404	0.000874708	0.00037719	0.313235819	5.33886E-06	0.000947507	0.000842213	0.002130606	0.000894351
2098 Jan	0.001874925	0.129180983	1.14343E-05	5.304862022	9.603290558	0.08160086	0.002060393	37.4801712	0.00514649	0.012057899	0.00063817	0.000878144	0.000378467	0.313637108	5.33691E-06	0.000948055	0.00084412	0.00213351	0.000898082
2098 Feb	0.001876157	0.129283786	1.14363E-05	5.30574131	9.61149025	0.081680536	0.002060761	37.52105713	0.0051497	0.012060654	0.000638649	0.000878624	0.000378654	0.313758701	5.3368E-06	0.000948093	0.000844928	0.002134185	0.000898534
2098 Mar	0.001877621	0.129428968	1.1445E-05	5.30950737	9.618665695	0.081765562	0.002062046	37.54569244	0.005153242	0.012070436	0.000639201	0.00087919	0.000378903	0.314001441	5.34036E-06	0.000948677	0.000845806	0.00213575	0.000899069
2098 Apr	0.001885892	0.13132827	1.14884E-05	5.321709156	9.651575089	0.08276742	0.002061458	37.5730896	0.005161751	0.012134385	0.000643649	0.000879494	0.0003792	0.315326124	5.34571E-06	0.00094819	0.000856117	0.002142108	0.000898097
2098 May	0.001807914	0.146988735	1.12755E-05	5.322378635	9.090828896	0.090739541	0.001949897	32.58781815	0.004828442	0.012127248	0.000703422	0.000822538	0.000360709	0.317817718	5.27264E-06	0.000921223	0.000939847	0.002099454	0.000819812
2098 Jun	0.00164706	0.128404155	1.05821E-05	6.715025425	8.628265381	0.091518104	0.00241922	26.22239876	0.004953445	0.011429769	0.000691923	0.000911256	0.000399662	0.370599777	6.59761E-06	0.001254288	0.000891095	0.002044239	0.000950597
2098 Jul	0.001770601	0.135227576	1.14763E-05	7.057487488	9.256494522	0.095486924	0.002553649	28.91414261	0.005312239	0.012264284	0.000722607	0.000977775	0.000425123	0.389657289	6.98106E-06	0.001318433	0.000939628	0.002226992	0.001014082
2098 Aug	0.001795248	0.130423948	1.14852E-05	6.465490818	9.368236542	0.089913659	0.002387718	31.95591736	0.005264226	0.011981011	0.000686268	0.000944602	0.00041081	0.363021612	6.43678E-06	0.001194241	0.000884698	0.002187271	0.000978085
2098 Sep	0.00174166	0.117660113	1.08403E-05	5.687297344	9.023575783	0.0790807 16	0.002183646	32.96558762	0.004968738	0.01132947	0.000601628	0.000865467	0.000378432	0.324209958	5.68672E-06	0.001044939	0.000776601	0.001997627	0.00090837
2098 Oct	0.001792288	0.111798093	1.05645E-05	6.238919735	9.513697624	0.080752321	0.002437266	34.41155243	0.005269916	0.011336211	0.000606052	0.000929041	0.000407487	0.349819571	6.14525E-06	0.001178859	0.000764619	0.001947841	0.001005882
2098 Nov	0.001793183	0.110722035	1.05269E-05	6.446470737	9.544916153	0.08137162	0.002517078	33.95801544	0.005318313	0.011376635	0.000606955	0.000942684	0.000414511	0.358726025	6.33573E-06	0.001226429	0.000761277	0.00193612	0.001027965
2098 Dec	0.001800535	0.110753097	1.05341E-05	6.447568893	9.59860611	0.081538744	0.002520571	34.29278564	0.005341625	0.011381986	0.000608745	0.000946449	0.000415911	0.359100759	6.33333E-06	0.001226757	0.000763117	0.001940065	0.001032045
2099 Jan	0.001805524	0.110798441	1.05364E-05	6.449342728	9.636658669	0.081692487	0.002523089	34.52358627	0.005358091	0.011383101	0.000610192	0.000949176	0.000416925	0.359423399	6.332E-06	0.001227165	0.000764704	0.001942651	0.001034976
2099 Feb	0.00180893	0.110876821	1.05394E-05	6.451812744	9.6620121	0.081823155	0.002525009	34.66966629	0.005369138	0.011385711	0.000611287	0.000951015	0.00041762	0.359709024	6.33228E-06	0.001227634	0.00076602	0.001944573	0.00103693
2099 Mar	0.001814037	0.111209579	1.0568E-05	6.468993187	9.689530373	0.082065165	0.002531689	34.7703476	0.005384023	0.01141684	0.000613042	0.000953618	0.000418759	0.360690266	6.34886E-06	0.001230845	0.000768313	0.001949897	0.001039737
2099 Apr	0.001836429	0.114918455	1.06841E-05	6.512715816	9.792411804	0.084131226	0.002540032	35.01459503	0.005422968	0.011570022	0.00062348	0.000958375	0.000421062	0.364321917	6.3798E-06	0.001234273	0.000789444	0.001969214	0.001042573
2099 May	0.001729634	0.148608521	1.04607E-05	6.454909325	8.980797768	0.101241946	0.002300425	27.20654678	0.004874567	0.011663129	0.000738443	0.000864783	0.000387873	0.368319571	6.18465E-06	0.001164017	0.000976232	0.001948274	0.000895867
2099 Jun	0.001685102	0.136323541	1.04497E-05	6.729161263	8.915101051	0.096806951	0.002415198	26.84532928	0.004962684	0.011419057	0.000728988	0.000910469	0.000402144	0.374590874	6.52284E-06	0.00124409	0.000937192	0.002018538	0.000943493
2099 Jul	0.001811062	0.141500115	1.1174E-05	6.852924347	9.602703094	0.099479742	0.002482336	30.70499992	0.005304168	0.012032975	0.000754822	0.000968599	0.000422845	0.384134531	6.68006E-06	0.001264058	0.000975497	0.002175324	0.000996707
2099 Aug	0.001915907	0.14368479	1.16988E-05	6.767499447	10.17040634	0.100005597	0.002491604	34.60129547	0.005546827	0.012378681	0.000762657	0.000995419	0.000434375	0.383945614	6.61847E-06	0.00123946	0.000980436	0.002252455	0.001024712
2099 Sep	0.001845339	0.131349087	1.12032E-05	5.817540646	9.678832054	0.087977767	0.002209557	35.45565033	0.005183416	0.011706687	0.000672786	0.00090171	0.000394331	0.336776674	5.74353E-06	0.001050118	0.00086978	0.002096537	0.00092915
2099 Oct	0.001808641	0.122870855	1.07926E-05	5.480610371	9.42943573	0.081282862	0.002135047	35.43935013	0.005020627	0.011413003	0.000619064	0.000863161	0.00037781	0.318534046	5.42525E-06	0.000992785	0.000804563	0.001984253	0.000900669
2099 Nov	0.001801695	0.118254021	1.06129E-05	5.81686306	9.486889839	0.081315003	0.002273102	34.8423233	0.005107692	0.01133649	0.000612754	0.000889105	0.00039015	0.332253665	5.7292E-06	0.001074808	0.000786994	0.001948808	0.000944965
2099 Dec	0.001806825	0.118296377	1.06209E-05	5.824392319	9.52404213	0.081467696	0.002277756	35.05034637	0.005125067	0.011344244	0.000614169	0.000892101	0.000391322	0.332808703	5.73424E-06	0.001076467	0.000788418	0.001951947	0.000948323
2100 Jan	0.001814643	0.118295513	1.06214E-05	5.829864502	9.586256981	0.081710719	0.002282884	35.4237175	0.00515267	0.011342359	0.000616518	0.00089683	0.000393092	0.333428442	5.73434E-06	0.001077825	0.000790775	0.001955846	0.000953527
2100 Feb	0.001817405	0.118348256	1.06227E-05	5.834193707	9.607892036	0.081833899	0.002285261	35.54122543	0.005162464	0.011343572	0.000617498	0.000898552	0.000393757	0.333765894	5.73653E-06	0.001078733	0.000791904	0.001957343	0.000955417
2100 Mar	0.001818548	0.118446	1.06288E-05	5.837686539	9.614014626	0.081899978	0.002286528	35.56245804	0.005165544	0.011350436	0.000617931	0.000899073	0.000393986	0.333978146	5.73974E-06	0.001079336	0.000792544	0.001958478	0.000955952
2100 Apr	0.001835137	0.119543947	1.07257E-05	5.890743732	9.701568604	0.082655042	0.00230724	35.88513947	0.005212468	0.01145414	0.000623589	0.000907225	0.000397561	0.337021708	5.79183E-06	0.00108911	0.000799859	0.001976312	0.000964603
2100 May	0.001821778	0.137954727	1.07027E-05	5.803180218	9.577832222	0.092420354	0.002174708	33.86937332	0.005054954	0.01157367	0.000717584	0.000880077	0.000388674	0.338580638	5.62492E-06	0.001040141	0.00091692	0.002013195	0.000906672
2100 Jun	0.001618578	0.124292463	1.02031E-05	6.830734253	8.644434929	0.090964012	0.002480098	25.32399178	0.004873285	0.01103648	0.000682027	0.00091191	0.000401078	0.372423738	6.67273E-06	0.001284978	0.000869646	0.00197763	0.00095411
2100 Jul	0.001685433	0.120243706	1.05178E-05	6.762510777	9.109314919	0.088797629	0.002495601	28.99032402	0.005109063	0.011145904	0.000668003	0.000956814	0.000412502	0.369702011	6.65331E-06	0.001278495	0.000863452	0.002081982	0.000995455
2100 Aug	0.001669714	0.114582665	1.04659E-05	6.29382515	8.91647625	0.082608223	0.002360236	29.75349998	0.004957306	0.010855028	0.000621132	0.000906457	0.000394381	0.346801996	6.23968E-06	0.001181521	0.00078945	0.001995501	0.000950429
2100 Sep	0.001729195	0.110996872	1.04787E-05	6.250349045	9.343894005	0.081753887	0.00239874	32.76118469	0.005133593	0.010797851	0.000613857	0.000924835	0.000404159	0.346848279	6.17047E-06	0.001175834	0.000767492	0.001974039	0.000983211
2100 Oct	0.001788273	0.110514343	1.0486E-05	6.272641182	9.755859375	0.082521081	0.002440958	35.29322433	0.005310087	0.010872352	0.000622139	0.00095205	0.000414808	0.350175112	6.16106E-06	0.001183477	0.000774839	0.001985275	0.001017171
2100 Nov	0.001800145	0.110743068	1.05124E-05	6.326200962	9.832177162	0.082985826	0.002465013	35.56882095	0.005350431	0.010924277	0.000625293	0.000959566	0.000418167	0.352989405	6.20793E-06	0.00119511	0.000777958	0.001990193	0.001026921
2100 Dec	0.001809923	0.110832997	1.05251E-05	6.334494114	9.903793335	0.083267957	0.002471651	35.98984146	0.005382812	0.010934685	0.000628059	0.000965019	0.000420247	0.353798449	6.21135E-06	0.001196937	0.000780816	0.00199614	0.001032878
2101 Jan	0.001822444	0.110832773	1.05276E-05	6.340375423	10.00216866	0.083629653	0.002478889	36.59082413	0.005426144	0.010932706	0.000631718	0.000972344	0.00042297	0.354656875	6.20915E-06	0.001198478	0.000784464	0.002002515	0.001040894
2101 Feb	0.001828795	0.110858001	1.05284E-05	6.34331274	10.05214024	0.083829328	0.002482416	36.89400864	0.005447992	0.010931538	0.000633638	0.000976028	0.000424338	0.355100602	6.20778E-06	0.001199207	0.000786474	0.002005704	0.001044903
2101 Mar	0.001830071	0.110931642	1.05332E-05	6.346129417	10.06000423	0.083890781	0.002483603	36.92988205	0.005451745	0.01093666	0.000634085	0.000976665	0.000424601	0.35528788	6.21015E-06	0.001199709	0.000787075	0.002006799	0.001045569
2101 Apr	0.001840336	0.111600131	1.05901E-05	6.379793167	10.11665344	0.084385134	0.002496659	37.14038467	0.005481706	0.010996521	0.0006377	0.00098196	0.000426897	0.357219607	6.24255E-06	0.001205948	0.000791769	0.002017721	0.001051176
2101 May	0.00175713	0.13177307	1.05801E-05	6.233298302	9.360871315	0.092083737	0.002313612	31.1834259	0.005031462	0.011264124	0.0007078	0.000901183	0.000398506	0.352977037	6.06477E-06	0.001140539	0.000890074	0.002004636	0.000936223

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.001635269	0.128845885	1.0286E-05	6.779870987	8.742101669	0.093102001	0.002452759	25.39254189	0.004851144	0.011085969	0.000704422	0.000907496	0.000400351	0.371346354	6.61171E-06	0.001265198	0.000893753	0.001992863	0.000942717
2101 Jul	0.001777324	0.135037601	1.10957E-05	7.206282616	9.573107719	0.098282777	0.002628691	29.0135498	0.005301225	0.01185383	0.000744742	0.000992458	0.000433508	0.395186275	7.04566E-06	0.001348909	0.000950476	0.002175105	0.001028976
2101 Aug	0.00192274	0.141369298	1.17699E-05	7.446148396	10.41985607	0.103041157	0.002744836	33.30570984	0.005712751	0.01246582	0.000785614	0.001059149	0.000461242	0.411710918	7.27445E-06	0.001390794	0.000997114	0.002308904	0.001098824
2101 Sep	0.001883231	0.131124616	1.13963E-05	6.464501381	10.08942223	0.092042603	0.002453573	35.3068161	0.005423938	0.011912502	0.00070518	0.000973228	0.000424168	0.365029305	6.36254E-06	0.001191468	0.00089948	0.00217733	0.001009896
2101 Oct	0.001922749	0.127056152	1.12142E-05	6.071600914	10.35597897	0.088645615	0.002364751	38.62195969	0.00547626	0.011746743	0.000684878	0.000966802	0.000419008	0.34873271	5.96349E-06	0.001114841	0.000875173	0.002142629	0.001005713
2101 Nov	0.001861922	0.120810159	1.08387E-05	5.459473133	9.868815422	0.08090201	0.002171164	38.02802658	0.005167243	0.011423768	0.000625679	0.000894349	0.000387895	0.317986429	5.40044E-06	0.00099277	0.000810038	0.002027381	0.00093087
2101 Dec	0.001848557	0.120259635	1.08075E-05	5.361979961	9.745479584	0.079628862	0.002136869	37.6161232	0.005098499	0.011404614	0.000615384	0.000879176	0.000381655	0.312927872	5.3164E-06	0.000972405	0.000799748	0.002009871	0.000914725
2102 Jan	0.001854255	0.120285451	1.08074E-05	5.363284588	9.790117264	0.07980343	0.002139587	37.89084625	0.005117732	0.011403007	0.000617032	0.000882358	0.000382828	0.313271523	5.31377E-06	0.000972767	0.000801526	0.002012502	0.000918199
2102 Feb	0.001855183	0.120389916	1.08097E-05	5.3641119	9.795737267	0.079873316	0.002139799	37.91584015	0.005119866	0.011406226	0.000617422	0.000882656	0.000382948	0.313375205	5.31388E-06	0.000972785	0.000802242	0.002013077	0.000918453
2102 Mar	0.001856943	0.120525315	1.08181E-05	5.368106842	9.805528641	0.079964697	0.002141346	37.95619965	0.005124522	0.011415445	0.00061805	0.000883421	0.000383273	0.313640028	5.31743E-06	0.00097344	0.000803167	0.002014729	0.000919219
2102 Apr	0.001864532	0.121042132	1.08622E-05	5.389819622	9.845412254	0.080302991	0.00214991	38.10888672	0.00514521	0.011462313	0.000620606	0.000886966	0.000384814	0.314919889	5.33881E-06	0.000977329	0.00080657	0.002022915	0.000922885
2102 May	0.001901618	0.123506747	1.10781E-05	5.495677471	10.04091454	0.081924193	0.002191922	38.86493301	0.005246909	0.011690543	0.000633179	0.000904452	0.000392405	0.32114327	5.44345E-06	0.000996383	0.000822942	0.002063208	0.000940974
2102 Jun	0.001592661	0.109268293	1.04152E-05	6.124386311	8.43553257	0.077222936	0.002302516	27.34775543	0.004725253	0.01083656	0.000573087	0.000883243	0.000376833	0.333364636	6.15951E-06	0.001155108	0.000773344	0.002031908	0.000911487
2102 Jul	0.001557492	0.108544864	1.07001E-05	6.738014698	8.233498573	0.078795671	0.002488708	24.14940071	0.004770262	0.011062716	0.000574709	0.00091944	0.000391603	0.357079536	6.81599E-06	0.001289617	0.000776126	0.00210071	0.000951377
2102 Aug	0.001605904	0.110241547	1.1066E-05	6.539424419	8.396144867	0.077604882	0.002435762	25.90685081	0.004817577	0.01128168	0.000568297	0.000911521	0.000389412	0.3496342	6.66032E-06	0.001241221	0.000764622	0.002130403	0.000941409
2102 Sep	0.001600445	0.108636439	1.10732E-05	6.114562035	8.234484673	0.073504597	0.002305057	26.49683762	0.004677909	0.011234629	0.00053806	0.000866702	0.000371965	0.330144823	6.27559E-06	0.001149314	0.000728795	0.002083336	0.000894086
2102 Oct	0.001549532	0.103638366	1.0494E-05	5.53530407	7.80782795	0.067108758	0.002132245	25.89134407	0.004371337	0.010882321	0.000489249	0.000788467	0.000342095	0.302427828	5.69155E-06	0.001033215	0.00066666	0.001905456	0.00082357
2102 Nov	0.001577614	0.103804775	1.0518E-05	5.551361084	8.00703907	0.067776352	0.002150481	27.08296394	0.004458736	0.010914404	0.000495904	0.000802283	0.000347548	0.304390848	5.69271E-06	0.001037013	0.000672955	0.001916515	0.000839664
2102 Dec	0.001589628	0.103828862	1.05256E-05	5.558529377	8.098860741	0.068110436	0.002157918	27.63856888	0.004499636	0.010918136	0.000499317	0.000809174	0.000350138	0.305263937	5.69292E-06	0.001038768	0.000676325	0.00192303	0.000847245
2103 Jan	0.001590611	0.1038782	1.05274E-05	5.558746338	8.105215073	0.068149969	0.002158218	27.67473221	0.004502235	0.010920422	0.000499598	0.000809553	0.000350283	0.305326939	5.69263E-06	0.001038749	0.00067675	0.001923574	0.00084763
2103 Feb	0.001591453	0.103976704	1.05326E-05	5.561110973	8.109202385	0.068206586	0.002158966	27.68579865	0.004504135	0.010926417	0.000499921	0.000809854	0.000350419	0.305478364	5.69482E-06	0.001039101	0.000677326	0.001924475	0.000847903
2103 Mar	0.001593237	0.104117066	1.05442E-05	5.567032337	8.118132591	0.068294294	0.002161172	27.71489334	0.004508923	0.01093879	0.000500514	0.000810693	0.000350784	0.305815399	5.70076E-06	0.001040159	0.000678204	0.00192657	0.000848758
2103 Apr	0.001602375	0.104727834	1.06046E-05	5.598780155	8.164597511	0.068692416	0.002173444	27.87272453	0.004534632	0.011001593	0.000503404	0.000815303	0.000352781	0.307566166	5.7332E-06	0.001046062	0.000682162	0.001937583	0.000853571
2103 May	0.001665352	0.12084692	1.06626E-05	5.796706676	8.612277985	0.080183908	0.002187653	28.6969738	0.004683377	0.011224071	0.000607422	0.000842357	0.000367398	0.324366987	5.80763E-06	0.00106382	0.000799822	0.001993367	0.000867772
2103 Jun	0.001586945	0.119788937	1.01755E-05	6.868753433	8.551878929	0.088610396	0.002510706	24.44522095	0.00481457	0.010839843	0.000664295	0.000916802	0.000400654	0.370129913	6.76349E-06	0.001299401	0.000849794	0.001993899	0.000954249
2103 Jul	0.001631183	0.116448179	1.06234E-05	6.861954689	8.744948387	0.085371725	0.00253484	26.23765755	0.004950003	0.011087675	0.000638319	0.000942756	0.000406746	0.368341088	6.84419E-06	0.001304519	0.000823917	0.002079867	0.000979289
2103 Aug	0.001610531	0.112794921	1.06816E-05	6.082150459	8.320745468	0.076400153	0.002269542	26.74736595	0.004662978	0.010857468	0.000578306	0.000859394	0.000373278	0.330417484	6.18211E-06	0.00114028	0.000727247	0.001980548	0.000893129
2103 Sep	0.001654619	0.108634464	1.05022E-05	6.080710888	8.663825035	0.075459622	0.002330442	29.01273346	0.004796496	0.010834505	0.000566804	0.00087317	0.000381015	0.332027823	6.13114E-06	0.001146827	0.000711067	0.001931176	0.000924013
2103 Oct	0.00164371	0.103766754	1.01825E-05	6.541992188	8.694479942	0.076013997	0.002536073	27.60216141	0.004857514	0.01085674	0.000556102	0.000892132	0.000394318	0.351506978	6.52503E-06	0.001255457	0.000693468	0.001845952	0.000970145
2103 Nov	0.001652169	0.102976002	1.01452E-05	6.635097504	8.775970459	0.076393872	0.002580217	27.8039341	0.004903614	0.010870726	0.000557174	0.000901715	0.000399015	0.355867684	6.60272E-06	0.001277213	0.000693014	0.00183862	0.000984787
2103 Dec	0.001663073	0.102970853	1.01499E-05	6.637898922	8.859642982	0.076671019	0.002585821	28.32498169	0.004940306	0.010871628	0.000560126	0.000907794	0.000401266	0.356498152	6.59919E-06	0.001278053	0.000695926	0.001844246	0.000991462
2104 Jan	0.001663618	0.103017896	1.01507E-05	6.636640549	8.862791061	0.076694816	0.002585436	28.34590149	0.00494124	0.010872895	0.000560255	0.000907856	0.000401282	0.356479406	6.5976E-06	0.001277711	0.000696228	0.001844442	0.000991486
2104 Feb	0.001663967	0.103096001	1.01526E-05	6.637094498	8.864171028	0.076735541	0.002585397	28.3474617	0.004941606	0.010875583	0.000560438	0.00090787	0.000401294	0.356531978	6.59779E-06	0.001277681	0.000696651	0.001844719	0.000991445
2104 Mar	0.001665949	0.103249349	1.01645E-05	6.644493103	8.874470711	0.076840252	0.002588163	28.37885857	0.00494713	0.010888758	0.000561142	0.000908856	0.000401733	0.356944621	6.605E-06	0.001279041	0.000697631	0.001846857	0.000992491
2104 Apr	0.001681115	0.104204446	1.02568E-05	6.704587936	8.955195427	0.077546723	0.002611518	28.6368618	0.00499198	0.010987796	0.000566269	0.000917077	0.000405368	0.360182852	6.66464E-06	0.001290575	0.000704062	0.001863619	0.001001453
2104 May	0.001664402	0.125819042	1.03163E-05	6.484586716	8.750842094	0.087938987	0.002414902	26.41883659	0.004773686	0.011170889	0.000667044	0.000874077	0.000389903	0.356683999	6.37401E-06	0.001206427	0.00083557	0.001914601	0.000918646
2104 Jun	0.00156616	0.118246607	9.98328E-06	6.982729912	8.476202965	0.088493891	0.002559077	23.34889412	0.004756521	0.010685008	0.00066343	0.000912978	0.000401582	0.373353571	6.87044E-06	0.001326106	0.000835151	0.001944919	0.00095517
2104 Jul	0.00162682	0.119889207	1.05429E-05	6.924151421	8.716464043	0.087398477	0.002550036	25.26120377	0.004886264	0.011091871	0.000657448	0.000933544	0.000406098	0.371264905	6.88752E-06	0.001311638	0.000838044	0.002053048	0.000968022
2104 Aug	0.001666712	0.119962372	1.08234E-05	6.591780186	8.828174591	0.084721267	0.002452637	27.30086708	0.00489686	0.011191594	0.000641064	0.000915936	0.000399028	0.357365996	6.60504E-06	0.001237242	0.000813203	0.002064426	0.000947907
2104 Sep	0.001629031	0.112227388	1.05314E-05	5.949908733	8.516914368	0.076853923	0.002265818	28.03223419	0.004667306	0.010811164	0.000579275	0.000848675	0.000372192	0.326500326	6.00315E-06	0.001107331	0.000736595	0.001946314	0.000884684
2104 Oct	0.001630314	0.10613206	1.02125E-05	6.214745998	8.580049515	0.075341657	0.00240906	27.62171745	0.004721923	0.010770908	0.000557176	0.000861593	0.000380815	0.336932719	6.22417E-06	0.001177497	0.000701586	0.00185466	0.00092437
2104 Nov	0.001635612	0.1050153	1.01704E-05	6.366475582	8.640639305	0.075711556	0.002473809	27.48439407	0.004767921	0.010796085	0.000556915	0.000873146	0.000386709	0.343503624	6.36107E-06	0.001212863	0.000697782	0.001842275	0.00094343
2104 Dec	0.001645639	0.105031386	1.01766E-05	6.371242046	8.717063904	0.075980589	0.002479615	27.95171547	0.004801819	0.01079904	0.000559698	0.000878817	0.000388828	0.344178289	6.36012E-06	0.001214072	0.000700548	0.001847687	0.000949674
2105 Jan	0.001651342	0.10504166	1.01769E-05	6.372441292	8.761849403	0.076146424	0.002482346	28.2297821	0.004821239	0.010797377	0.000561347	0.000882041	0.000390015	0.344512612	6.3575E-06	0.001214438	0.00070226	0.001850439	0.000953202
2105 Feb	0.001652105	0.105110794	1.0179E-05	6.373382092	8.7665205	0.076195225	0.002482688	28.25124359	0.004823163	0.010800089	0.000561644	0.000882331	0.000390133	0.344602704	6.35797E-06	0.001214536	0.000702758	0.001850967	0.000953476
2105 Mar	0.001652858	0.105180442	1.01832E-05	6.37571907	8.770402009	0.076240174	0.002483521	28.26375771	0.0048251	0.010804842	0.000561927	0.000882659	0.000390278	0.344743818	6.36014E-06	0.001214931	0.000703195	0.001851728	0.000953807
2105 Apr	0.001661081	0.105717659	1.02338E-05	6.407187939	8.813969612	0.076625705	0.002495726	28.40343285	0.004848941	0.010858656	0.000564739	0.000887007	0.000392202	0.346452862	6.39146E-06	0.001220898	0.000706763	0.001860907	0.00095849
2105 May	0.00165571	0.124555878	1.026E-05	6.33285284	8.725717545	0.086653434	0.002369012	26.59135246	0.004713996	0.011029168	0.00065929	0.000862304	0.000384511	0.349060923	6.23713E-06	0.001173867	0.000825969	0.001904075	0.000903639
2105 Jun	0.001607916	0.132611141	1.02554E-05	6.672458172	8.509775162	0.093086079	0.002413835	23.33197403	0.004639841	0.011067698	0.000711512	0.000871976	0.00038875	0.364487201	6.54304E-06	0.00123414	0.000895123	0.001958039	0.00089722
2105 Jul	0.001672992	0.135269403	1.07245E-05	6.508998394	8.75984478	0.092153482	0.002366083	25.59832954	0.004746614	0.01139791	0.000710557	0.000881579	0.000390092	0.358589083	6.43955E-06	0.001195622	0.000895301	0.002034349	0.000900071
2105 Aug	0.001651172	0.121387668	1.04753E-05	5.996737957	8.651260376	0.082510263	0.002244698	27.74661446	0.004666729	0.010802653	0.000634752	0.000846663	0.000375221	0.332004726	5.98882E-06	0.001103805	0.00078237	0.001928176	0.000879391
2105 Sep	0.001700558	0.106270611	1.01593E-05	6.573539734	9.256785393	0.08035104	0.002562836	30.30163574	0.00503932	0.010606878	0.000599589	0.000922983	0.000409467	0.356474757	6.49552E-06	0.001254089	0.000723346	0.001863206	0.001001959
2105 Oct	0.001716302	0.102298722	1.00122E-05	6.893332005	9.43543911	0.080408461	0.002712401	30.49715233	0.00516594	0.010654971	0.000593142	0.000954636	0.00042331	0.370069414	6.78291E-06	0.001333	0.000712781	0.001839175	0.001050048
2105 Nov	0.001706176	0.101299271	9.9764E-06	6.941944122	9.358273506	0.079784222	0.002733889	29.90249443	0.005140869	0.010674085	0.000585684	0.000951747	0.000422635	0.371378839	6.83553E-06	0.001345613	0.000704431	0.001824227	0.001050007
2105 Dec	0.001712476	0.101294503	9.9793E-06	6.9412117	9.405817032	0.079924308	0.002736352	30.20772934	0.005161408	0.010674907	0.00058725	0.000955051	0.00042384	0.371637881	6.83135E-06	0.001345595	0.000706005	0.001827371	0.001053629
2106 Jan	0.001712921	0.101341009	9.97989E-06	6.939592361	9.408180237	0.079943955	0.002735795	30.22518349	0.005161963	0.010676016	0.000587342	0.00095504	0.000423825	0.371599466	6.82946E-06	0.001345174	0.000706277	0.0018275	0.001053568
2106 Feb	0.001713144	0.101409256	9.98074E-06	6.939328671	9.408987999	0.079978108	0.002735492	30.22612381	0.005161967	0.010677594	0.00058748	0.000954982	0.000423803	0.371616364	6.8289E-06	0.001345005	0.000706646	0.001827613	0.001053448
2106 Mar	0.001714158	0.101501137	9.98656E-06	6.942903996	9.414255142	0.08003895	0.002736781	30.24145317	0.005164642	0.010684208	0.000587863	0.000955446	0.000424013	0.37182346	6.83228E-06	0.001345632	0.000707218	0.001828643	0.00105393
2106 Apr	0.00172538	0.102183856	1.00519E-05	6.988048077	9.475709915	0.080570638	0.002754507	30.43795204	0.005198233	0.010754317	0.000591732	0.000961643	0.000426765	0.374250114	6.87662E-06	0.001354344	0.000711936	0.001840584	0.001060748
2106 May	0.001749063	0.112206012	1.02314E-05	6.880468369	9.538254738	0.085079454	0.00267649	30.51379204	0.005175706	0.01098304	0.000635855	0.000952138	0.000423305	0.373161077	6.74679E-06	0.001314593	0.000771723	0.001888075	0.001034791
2106 Jun	0.00154434	0.111939862	9.96218E-06	6.933340073	8.392641068	0.08448565	0.002573603	23.16682434	0.004714	0.010521529	0.000629379	0.000911941	0.000398933	0.367468864	6.87794E-06	0.001325068	0.000796441	0.001940529	0.000955408
2106 Jul	0.001610023	0.110770576	1.0605E-05	6.927806854	8.693558693	0.082144946	0.00259428	25.58187866	0.004902848	0.01093787	0.000611813	0.000948275	0.000407598	0.366677344	6.97292E-06	0.001327109	0.000789268	0.002079719	0.000984571
2106 Aug	0.00159942	0.105921157	1.05087E-05	6.031772614	8.430260658	0.073657617	0.002300106	27.57340622	0.004667646	0.010541886	0.00055609	0.000867332	0.000375101	0.325534463	6.15158E-06	0.001137768	0.000700728	0.001968676	0.000902191
2106 Sep	0.001658183	0.099303663	1.01809E-05	6.322763443	8.997537613	0.074687578	0.002485169	30.18924904	0.004932621	0.010346882	0.000555099	0.000905429	0.000398001	0.341126382	6.33295E-06	0.001209237	0.000674582	0.001871557	0.000977119
2106 Oct	0.001735772	0.098889165	1.01314E-05	6.543586254	9.581029892	0.077158771	0.0026091	33.03839874	0.005205255	0.010470797	0.000574792	0.000954214	0.000418555	0.354181349	6.48735E-06	0.001261166	0.000692682	0.001880291	0.001040098
2106 Nov	0.001754392	0.099203795	1.0169E-05	6.571434021	9.711875916	0.077754788	0.002625481	33.75470352	0.005266295	0.010507318	0.000580227	0.000964704	0.000422684	0.356225938	6.50712E-06	0.001266993	0.000698444	0.001892819	0.001051738
2106 Dec	0.001762153	0.099219844	1.0174E-05	6.57527256	9.770986557	0.077965394	0.002630003	34.11547089	0.00529254	0.010509796	0.000582398	0.000969099	0.000424328	0.356755674	6.50652E-06	0.001267955	0.000700612	0.001897034	0.001056591
2107 Jan	0.001762763	0.099252433	1.01749E-05	6.574933529	9.774916649	0.077989236	0.002630014	34.13938904	0.00529406	0.010511024	0.000582563	0.000969302	0.000424401	0.356775939	6.50583E-06	0.001267839	0.000700887	0.001897339	0.00105679
2107 Feb	0.001763735	0.099326342	1.01789E-05	6.57722187	9.780594826	0.078043096	0.002630901	34.1627121	0.005296709	0.010515555	0.000582916	0.000969744	0.000424588	0.356927633	6.50777E-06	0.00126822	0.000701412	0.00189818	0.001057241
2107 Mar	0.001766322	0.09948314	1.01931E-05	6.586173534	9.795081139	0.078163691	0.002634462	34.21502304	0.005304329	0.010530355	0.000583789	0.000971116	0.000425186	0.357428074	6.51646E-06	0.001269914	0.000702519	0.001900859	0.001058721
2107 Apr	0.001772116	0.099818066	1.02263E-05	6.607502937	9.827198029	0.078424178	0.002642968	34.32738876	0.005321623	0.010564779	0.000585715	0.00097427	0.000426566	0.358592331	6.53749E-06	0.001274006	0.000704872	0.001907055	0.00106215
2107 May	0.001735008	0.110448457	1.02444E-05	6.634251118	9.505961418	0.083393537	0.002583124	31.35157776	0.005139602	0.010717914	0.000629261	0.000944724	0.000417068	0.361330122	6.53847E-06	0.001262026	0.000762902	0.001913713	0.001015784
2107 Jun	0.001574557	0.126779094	1.01625E-05	6.667364597	8.370617867	0.089901507	0.002432781	22.74439621	0.004590374	0.010822145	0.000684341	0.000869218	0.000386681	0.360870063	6.57932E-06	0.001241721	0.00085815	0.001937723	0.000896616
2107 Jul	0.001607374	0.126716733	1.04919E-05	6.222662926	8.396854401	0.085744552	0.002282092	24.82232285	0.00456837	0.010948544	0.000660547	0.000851232	0.000374598	0.340776771	6.22289E-06	0.001146847	0.00083331	0.001983757	0.000867105
2107 Aug	0.001705274	0.129856721	1.09752E-05	6.188693523	8.904515266	0.086721703	0.002295711	28.1680851	0.004797295	0.011311457	0.000673501	0.000880173	0.00038615	0.342569619	6.21108E-06	0.001134514	0.000843029	0.002059754	0.000897076
2107 Sep	0.001777261	0.1273987	1.10125E-05	5.860072613	9.330618858	0.084307209	0.002235428	32.27372742	0.004937876	0.011354267	0.000659265	0.0008859	0.000386663	0.330558836	5.87775E-06	0.001068234	0.000828265	0.002059632	0.000907116
2107 Oct	0.00177404	0.120225094	1.07015E-05	5.63907671	9.342756271	0.079884239	0.002205622	33.52227783	0.004915336	0.011127351	0.000621923	0.000871975	0.0003805	0.319663614	5.64846E-06	0.001033069	0.000782982	0.001981665	0.000905372
2107 Nov	0.001750565	0.117260337	1.05797E-05	5.642370701	9.191122055	0.078055821	0.002216917	32.68470764	0.00485279	0.011054896	0.000603222	0.000860736	0.000376785	0.318226099	5.65694E-06	0.001038498	0.000760149	0.001940949	0.000900326
2107 Dec	0.001766449	0.117211573	1.05836E-05	5.649842262	9.315732956	0.078484841	0.00222633	33.45114136	0.004908055	0.01105274	0.000607701	0.000870069	0.000380257	0.319300473	5.65446E-06	0.001040532	0.000764474	0.001949058	0.000910708
2108 Jan	0.001771498	0.11723505	1.05852E-05	5.65200901	9.354815483	0.078637376	0.002229078	33.68920517	0.004925178	0.011052932	0.000609163	0.000872926	0.000381321	0.319643408	5.65336E-06	0.001041066	0.000766023	0.001951614	0.000913858
2108 Feb	0.001772694	0.117293783	1.05867E-05	5.652863979	9.363276482	0.078696564	0.00222961	33.73548126	0.004928734	0.011054681	0.000609581	0.000873494	0.000381537	0.319751263	5.65337E-06	0.001041175	0.000766624	0.00195229	0.000914444
2108 Mar	0.001775541	0.117502131	1.06032E-05	5.661492348	9.378293037	0.078833349	0.002232941	33.78933716	0.004936436	0.011072228	0.000610585	0.000874834	0.000382123	0.320253909	5.66184E-06	0.001042717	0.000767968	0.001955337	0.000915827
2108 Apr	0.00179779	0.119097702	1.07356E-05	5.731064796	9.494769096	0.079878144	0.002259888	34.20101929	0.00499696	0.011212172	0.00061838	0.000885447	0.000386773	0.324248254	5.73081E-06	0.001055278	0.000778201	0.0019796	0.000926817

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.001842962	0.124451704	1.10049E-05	5.833011627	9.713330269	0.082885392	0.002290787	34.89938354	0.00509589	0.011517943	0.000640002	0.000900887	0.000393796	0.331323594	5.82376E-06	0.001068738	0.000810273	0.00202921	0.000939638
2108 Jun	0.001510278	0.115227297	1.03918E-05	5.800211906	7.780331612	0.076005235	0.002149498	23.20172691	0.004301305	0.010717383	0.000572595	0.000809661	0.000348218	0.315013289	5.9193E-06	0.001073323	0.000772779	0.001991398	0.000814655
2108 Jul	0.001597211	0.118142106	1.10832E-05	6.122042656	8.282341957	0.078435384	0.002278175	25.30112648	0.004604271	0.011298127	0.000589863	0.000873839	0.000370844	0.331102639	6.28624E-06	0.00113927	0.000808069	0.002157651	0.000875133
2108 Aug	0.001734205	0.124369904	1.18137E-05	6.3268857	9.036515236	0.082398243	0.002380186	29.15180206	0.004972869	0.011943335	0.000623545	0.000931636	0.000395122	0.34538734	6.49926E-06	0.001173022	0.000847651	0.002291211	0.000935245
2108 Sep	0.001783606	0.122158013	1.17734E-05	6.035721779	9.346477509	0.080532752	0.002317941	32.33721542	0.005063616	0.011869011	0.000613685	0.000930517	0.000394208	0.334539026	6.19593E-06	0.001113292	0.000831327	0.00227193	0.000938427
2108 Oct	0.001638426	0.111424945	1.09042E-05	4.838604927	8.168087959	0.065899216	0.001920336	29.75109863	0.004356004	0.011224581	0.00049943	0.000763727	0.000326955	0.274696022	5.067E-06	0.000871171	0.00069907	0.001987277	0.00077166
2108 Nov	0.001623906	0.110312797	1.08177E-05	4.660007477	8.017975807	0.063843057	0.001862618	29.4978447	0.004262164	0.011177395	0.00048332	0.000739768	0.000317423	0.266067594	4.89987E-06	0.000834244	0.000681115	0.001949626	0.00074808
2108 Dec	0.00163571	0.110314555	1.08233E-05	4.666999817	8.109127998	0.064171299	0.001869977	30.051157	0.004302774	0.011179133	0.000486684	0.000746622	0.000319997	0.266926467	4.89975E-06	0.000835998	0.000684387	0.001955829	0.000755716
2109 Jan	0.00163662	0.110355176	1.08243E-05	4.667045116	8.115324974	0.064208925	0.001870216	30.0873661	0.004305277	0.011180499	0.000486949	0.000746987	0.000320136	0.266980439	4.8992E-06	0.000835956	0.00068478	0.001956236	0.000756101
2109 Feb	0.001637216	0.11043559	1.08275E-05	4.668227673	8.118197441	0.064254291	0.00187053	30.09609413	0.004306467	0.011184367	0.000487194	0.000747154	0.000320211	0.267071575	4.90014E-06	0.000836083	0.000685249	0.001956787	0.000756231
2109 Mar	0.00164003	0.110649318	1.08458E-05	4.676032543	8.132022858	0.06437701	0.001873559	30.14577484	0.004313638	0.01120368	0.000488069	0.000748376	0.000320738	0.267529756	4.9082E-06	0.000837432	0.000686551	0.001960082	0.000757446
2109 Apr	0.00165387	0.111607887	1.09371E-05	4.715279579	8.200497627	0.06493286	0.001889182	30.39789963	0.004349797	0.011298358	0.000492225	0.000754627	0.00032342	0.269786954	4.94925E-06	0.000844412	0.000692471	0.001976557	0.000763749
2109 May	0.001648	0.125075817	1.08727E-05	5.241776466	8.251244545	0.076164857	0.002000278	27.60344315	0.004379685	0.011406281	0.000584185	0.000774195	0.000338519	0.297521979	5.35999E-06	0.000936245	0.000786794	0.001984768	0.000779562
2109 Jun	0.001625356	0.140221551	1.07718E-05	6.317043304	8.366280556	0.092347205	0.002278909	23.03546143	0.004513617	0.011488689	0.000711222	0.000835587	0.000372521	0.349525988	6.27445E-06	0.001144605	0.000915271	0.002024367	0.000841201
2109 Jul	0.001681567	0.136852846	1.09889E-05	5.94037056	8.645210266	0.088089153	0.002175477	26.69444466	0.004619387	0.011464396	0.000687434	0.00084203	0.0003699	0.332950026	5.96131E-06	0.001070721	0.000881074	0.002062823	0.000844545
2109 Aug	0.001761544	0.133960888	1.12724E-05	5.729049683	9.05340004	0.084939934	0.002142293	30.52790642	0.004799883	0.011516582	0.00067022	0.000858267	0.000375248	0.324553013	5.79647E-06	0.001031035	0.000839398	0.00208028	0.000868909
2109 Sep	0.001799662	0.124716885	1.10014E-05	5.727327347	9.449497223	0.082087532	0.002218862	33.56509018	0.004983398	0.011285299	0.000642639	0.000883848	0.000386128	0.324917495	5.75304E-06	0.001045759	0.000799525	0.002025925	0.000916377
2109 Oct	0.001757174	0.109946042	1.05204E-05	6.702805519	9.455641747	0.080769412	0.002643798	30.85375023	0.005154244	0.011127026	0.000602521	0.000940657	0.000416681	0.363309354	6.66014E-06	0.001282412	0.000735571	0.001906246	0.001023556
2109 Nov	0.001778602	0.109567061	1.05468E-05	6.777408123	9.615753174	0.081328668	0.002683188	31.63993645	0.005236914	0.011170345	0.000606402	0.000955682	0.00042299	0.367370069	6.72276E-06	0.001299658	0.000738675	0.001915367	0.001042424
2109 Dec	0.001792128	0.109579563	1.05542E-05	6.784633636	9.719773293	0.081701599	0.002691274	32.27382278	0.005283181	0.011173049	0.000610241	0.000963478	0.000425904	0.368318886	6.72202E-06	0.001301475	0.000742473	0.001922702	0.001051075
2110 Jan	0.001794117	0.109636143	1.05574E-05	6.785910606	9.733621597	0.081771433	0.00269232	32.35361481	0.005289226	0.011176306	0.00061082	0.000964452	0.000426276	0.368474215	6.72228E-06	0.001301692	0.000743202	0.001923903	0.001052121
2110 Feb	0.001795116	0.109722815	1.05617E-05	6.788216114	9.73930645	0.081830978	0.002693173	32.37597275	0.00529183	0.011181246	0.000611197	0.000964876	0.000426457	0.368630886	6.7242E-06	0.001302057	0.000743789	0.00192476	0.001052546
2110 Mar	0.001797282	0.109878279	1.05744E-05	6.796060085	9.750845909	0.081939802	0.002696196	32.41308212	0.005297946	0.011194954	0.00061196	0.000965969	0.000426943	0.369068116	6.73186E-06	0.001303514	0.0007448	0.001927043	0.001053717
2110 Apr	0.00180641	0.11044956	1.06281E-05	6.830377579	9.800247192	0.082361735	0.002709759	32.57658386	0.005324699	0.011251935	0.000615084	0.000970835	0.000429095	0.370938241	6.76579E-06	0.001310069	0.000748648	0.001936808	0.001059011
2110 May	0.001845193	0.116534762	1.07601E-05	6.896275997	10.04913616	0.086516798	0.00271793	33.50693893	0.005423798	0.011413332	0.000653044	0.000987941	0.000436522	0.37718004	6.79703E-06	0.001314799	0.000794774	0.00198306	0.00106987
2110 Jun	0.00164381	0.120848186	1.04971E-05	7.182276249	8.945273399	0.090131424	0.002678994	25.5089124	0.005016789	0.011038215	0.000679434	0.00095819	0.000420157	0.384079844	7.11526E-06	0.001367883	0.000852523	0.002038715	0.000999811
2110 Jul	0.001668374	0.120320499	1.09369E-05	6.976543903	8.948986053	0.08680369	0.002610723	26.62660027	0.005030005	0.011296271	0.000655775	0.000957389	0.00041478	0.373678088	7.00599E-06	0.001324807	0.000837091	0.002121562	0.000988239
2110 Aug	0.001667532	0.105627447	1.05864E-05	6.812962055	8.9678545	0.0790217	0.002636037	28.29073334	0.005035383	0.010655711	0.000588664	0.000928949	0.00041241	0.363534063	6.84566E-06	0.001307029	0.000692907	0.001910655	0.001003086
2110 Sep	0.001725913	0.102188185	1.03839E-05	7.138358116	9.45425415	0.080428012	0.002818389	30.27323341	0.005275991	0.010768522	0.000592831	0.000973772	0.000433928	0.379974216	7.09187E-06	0.001386199	0.000696361	0.001878933	0.0010699
2110 Oct	0.001725071	0.100795262	1.02356E-05	7.315684795	9.417484283	0.079913795	0.002907077	29.42731857	0.005269707	0.010932454	0.000582708	0.000976571	0.000436499	0.386918455	7.25067E-06	0.001430312	0.000689402	0.00183817	0.00108215
2110 Nov	0.001735583	0.100136593	1.01894E-05	7.36345768	9.526247978	0.08033058	0.002932197	29.97142601	0.005322135	0.010900927	0.000586295	0.00098742	0.000440803	0.389434755	7.28386E-06	0.001442282	0.000691602	0.001838251	0.001095486
2110 Dec	0.001749455	0.100130036	1.01951E-05	7.366868496	9.633088112	0.080688648	0.002939173	30.63738823	0.005368994	0.010901424	0.000590102	0.000995202	0.000443676	0.390235335	7.27908E-06	0.001443316	0.000695382	0.001845485	0.00110412
2111 Jan	0.001754376	0.100164548	1.01964E-05	7.367380619	9.670949936	0.080835178	0.002941218	30.872612	0.005385263	0.010901314	0.000591519	0.000997867	0.000444652	0.390504032	7.27641E-06	0.001443471	0.000696938	0.001847956	0.001107037
2111 Feb	0.001755736	0.100227535	1.01974E-05	7.367629528	9.680809975	0.080900587	0.002941574	30.92934418	0.005389276	0.010902505	0.000591991	0.000998492	0.000444884	0.390597224	7.27563E-06	0.001443445	0.000697623	0.001848662	0.00110768
2111 Mar	0.001760032	0.10049773	1.02217E-05	7.384707451	9.704450607	0.081109799	0.002948316	31.00582504	0.005402125	0.01092878	0.00059347	0.001000838	0.000445927	0.391522616	7.29228E-06	0.00144673	0.00069947	0.00185308	0.001110252
2111 Apr	0.001776474	0.101454653	1.03171E-05	7.453381538	9.794939041	0.081875138	0.002975665	31.29406357	0.005452374	0.011031048	0.000599034	0.00101013	0.000450069	0.395172387	7.36002E-06	0.001460147	0.000706093	0.001870365	0.001120543
2111 May	0.001765853	0.112852141	1.04619E-05	7.379923344	9.623171806	0.086828575	0.002885287	29.62138367	0.005324069	0.011238066	0.000645485	0.000985798	0.000441444	0.394540042	7.26973E-06	0.001424711	0.000769484	0.001907078	0.001075841
2111 Jun	0.001605467	0.12444514	1.02261E-05	7.150710106	8.663401604	0.091500215	0.002647117	23.36273575	0.004823579	0.010905164	0.000693746	0.000920702	0.000410054	0.382073402	7.05326E-06	0.001353784	0.000854695	0.001955719	0.000958532
2111 Jul	0.001725038	0.130224377	1.09616E-05	7.270784855	9.31078434	0.094423547	0.00270756	26.93135452	0.005146	0.011540987	0.00072092	0.000976737	0.000429469	0.391429961	7.2082E-06	0.001371729	0.000899832	0.002121397	0.001007662
2111 Aug	0.00165133	0.116097763	1.05777E-05	6.237578392	8.717173576	0.080467001	0.002377287	27.88497162	0.00477119	0.010753469	0.000616081	0.000873269	0.000386335	0.339818686	6.28156E-06	0.001166075	0.000750739	0.001944085	0.000910665
2111 Sep	0.001742416	0.107085288	1.04563E-05	6.451053143	9.528513908	0.080114588	0.002548193	32.70706558	0.005165663	0.010561631	0.000607899	0.000937116	0.000414761	0.35189712	6.42395E-06	0.001225323	0.000721075	0.001921225	0.001005662
2111 Oct	0.001735197	0.101828925	1.01581E-05	7.038368702	9.600131035	0.080746412	0.002796386	31.19835091	0.00527314	0.010605168	0.000599948	0.000974415	0.000433345	0.37592563	6.95851E-06	0.001365751	0.000704209	0.001858966	0.001068612
2111 Nov	0.001739071	0.099695534	1.00524E-05	7.229379654	9.659540176	0.080731571	0.002884266	30.96944237	0.005323992	0.01063486	0.000595386	0.000988506	0.000440187	0.383842081	7.12999E-06	0.001412514	0.000696455	0.001835394	0.001092677
2111 Dec	0.001752467	0.099680945	1.00589E-05	7.229781628	9.760098457	0.081029207	0.002890261	31.60813141	0.005367684	0.010638664	0.000598643	0.000995577	0.000442784	0.38447246	7.12303E-06	0.001412915	0.000699752	0.001841958	0.001100596
2112 Jan	0.001757922	0.099719822	1.00603E-05	7.230156898	9.802053452	0.081191294	0.00289246	31.86959839	0.005385692	0.010638488	0.000600207	0.000998517	0.00044386	0.384763211	7.11986E-06	0.001413046	0.00070148	0.00184467	0.00110382
2112 Feb	0.00176226	0.09981019	1.00641E-05	7.233216286	9.834403992	0.081352882	0.002894906	32.05735779	0.005399854	0.010641671	0.000601587	0.001000877	0.000444751	0.385121375	7.12016E-06	0.00141364	0.000703114	0.001847128	0.001106384
2112 Mar	0.001769271	0.100117646	1.00922E-05	7.253660679	9.878167152	0.081653975	0.002903787	32.24676514	0.005421851	0.010670944	0.000603922	0.001004805	0.000446407	0.386319846	7.13875E-06	0.001417637	0.000705849	0.001853295	0.001110703
2112 Apr	0.001784123	0.100943983	1.01736E-05	7.312076092	9.9622612	0.08233764	0.002927325	32.53363419	0.005467378	0.010757031	0.000608987	0.001013191	0.000450109	0.389466494	7.19577E-06	0.001429032	0.000711808	0.001868512	0.001119957
2112 May	0.001773624	0.115387633	1.0287E-05	7.224421501	9.796557426	0.089117154	0.002815848	30.72356033	0.005326754	0.010969611	0.000672941	0.000986621	0.000440772	0.38941586	7.07085E-06	0.001385912	0.000797094	0.001910433	0.001068038
2112 Jun	0.001555531	0.108515933	9.77091E-06	7.51624012	8.680323601	0.087030075	0.002828045	22.98505402	0.004913533	0.010295138	0.000647724	0.000962213	0.000425013	0.392151803	7.41659E-06	0.001459346	0.000784912	0.001902895	0.001021774
2112 Jul	0.00163454	0.106047243	1.02371E-05	7.371739388	9.152009964	0.08468435	0.002811083	26.91321564	0.005146758	0.010529271	0.000633432	0.001003378	0.000434047	0.386498719	7.33895E-06	0.001433764	0.000782901	0.002030926	0.00105712
2112 Aug	0.001784177	0.108626612	1.07E-05	7.311172009	10.09378719	0.087127127	0.002842009	33.08873367	0.005556178	0.010837127	0.000660544	0.001059454	0.000456085	0.390112311	7.25628E-06	0.001415839	0.000808617	0.002128213	0.001118577
2112 Sep	0.001913531	0.105292059	1.0645E-05	6.762385368	11.00992203	0.085628495	0.002725661	41.11635971	0.005874467	0.010641022	0.000662221	0.001085928	0.000463485	0.372013003	6.65514E-06	0.00130237	0.000803881	0.002138244	0.001151823
2112 Oct	0.001977484	0.102866627	1.04736E-05	6.445780277	11.45046139	0.084131032	0.002663133	45.15756226	0.006010132	0.010537629	0.000657219	0.001093533	0.000464693	0.360967427	6.29976E-06	0.001240093	0.000796171	0.002112031	0.00116619
2112 Nov	0.002020417	0.102580875	1.04687E-05	6.443959236	11.77381802	0.084979072	0.00268363	47.21935654	0.006148361	0.010538368	0.000666645	0.001115223	0.000472874	0.362858385	6.27092E-06	0.001241216	0.000804623	0.002125282	0.001191953
2112 Dec	0.002027774	0.102628641	1.04765E-05	6.448930264	11.8283186	0.085183211	0.002688268	47.54548645	0.006172787	0.010544316	0.00066869	0.00111931	0.00047442	0.363413662	6.27206E-06	0.001242353	0.000806711	0.002129535	0.001196507
2113 Jan	0.002035022	0.102631129	1.0477E-05	6.451323032	11.88539124	0.085393772	0.002692065	47.8976593	0.006197742	0.010542345	0.000670805	0.001123485	0.000475966	0.363874227	6.26958E-06	0.001243024	0.00080885	0.002133049	0.001201169
2113 Feb	0.002036431	0.102703713	1.04804E-05	6.453321457	11.89476967	0.085461043	0.002693032	47.94530869	0.006201915	0.010546076	0.000671292	0.001124175	0.000476239	0.364037305	6.27084E-06	0.001243356	0.000809523	0.002134049	0.001201892
2113 Mar	0.002046663	0.103155576	1.05249E-05	6.48119545	11.95770645	0.085878491	0.002705205	48.22448349	0.006233592	0.010590482	0.000674636	0.001129833	0.000478588	0.365687102	6.29678E-06	0.001248746	0.000813514	0.002143857	0.001207972
2113 Apr	0.002063197	0.103986159	1.06084E-05	6.532619476	12.05479527	0.086574003	0.002726734	48.62013245	0.006283942	0.010674587	0.000680091	0.001138936	0.000482436	0.368606895	6.34649E-06	0.00125864	0.000820115	0.002160994	0.001217701
2113 May	0.002009015	0.117354035	1.06297E-05	6.493495464	11.54962063	0.091931671	0.002625343	44.45600128	0.005997255	0.010876637	0.000727046	0.001086739	0.000465394	0.368475914	6.2833E-06	0.00122724	0.000882355	0.002146959	0.001145543
2113 Jun	0.00165245	0.122845523	1.01318E-05	7.181013584	9.14919281	0.093093194	0.002684707	25.97525024	0.005012079	0.010686647	0.000711228	0.000958553	0.000423641	0.385247648	7.03391E-06	0.001363523	0.000869369	0.001979838	0.001001226
2113 Jul	0.001705746	0.125205338	1.06371E-05	6.952190399	9.281114578	0.091071643	0.002607708	27.80571747	0.005064795	0.011036202	0.000701284	0.000957618	0.000420082	0.375635684	6.88629E-06	0.001311146	0.00086153	0.002056042	0.000991766
2113 Aug	0.001808959	0.126148447	1.09901E-05	6.709831238	9.857789993	0.090535969	0.002558642	32.4880867	0.00529575	0.011215027	0.000706016	0.000980435	0.000427721	0.368546128	6.66045E-06	0.001257276	0.000858881	0.002112228	0.001016315
2113 Sep	0.0018076	0.118330255	1.07105E-05	6.191441536	9.832843781	0.084153682	0.00242763	34.66804123	0.005217053	0.010918214	0.000655839	0.000943755	0.0004119	0.344843894	6.15251E-06	0.001156232	0.000799494	0.002024112	0.000988314
2113 Oct	0.00172861	0.104924671	1.00949E-05	6.86566782	9.497911453	0.080830574	0.002725995	30.6916275	0.005179073	0.010645816	0.000604688	0.000955241	0.000424046	0.368665189	6.77823E-06	0.001326205	0.000720573	0.001851218	0.001043042
2113 Nov	0.001731144	0.103298165	1.00699E-05	6.974300385	9.513110161	0.08038488	0.002780212	30.50823975	0.005205381	0.010688733	0.000597332	0.000960665	0.000427524	0.373023361	6.88176E-06	0.001352935	0.000709801	0.00183368	0.001055777
2113 Dec	0.001739171	0.103344105	1.00783E-05	6.977264881	9.571978569	0.080587201	0.002784465	30.86996269	0.005231416	0.010695138	0.000599424	0.00096493	0.000429119	0.373519212	6.88072E-06	0.001353654	0.000711967	0.001838207	0.001060521
2114 Jan	0.001742793	0.103389613	1.00803E-05	6.977899075	9.599197388	0.080699831	0.002785986	31.03712273	0.005243117	0.010696437	0.000600462	0.000966829	0.000429819	0.373729706	6.8791E-06	0.001353788	0.000713163	0.001840086	0.001062601
2114 Feb	0.001743315	0.103460655	1.00818E-05	6.978152275	9.602160454	0.080743328	0.002785972	31.04983902	0.005244147	0.010698528	0.00060069	0.000966953	0.000429869	0.373782098	6.87893E-06	0.00135373	0.000713619	0.00184041	0.001062686
2114 Mar	0.001747203	0.103722192	1.01042E-05	6.9932127	9.623281479	0.080936551	0.002791866	31.11658096	0.005255478	0.010722696	0.000602064	0.000969013	0.000430788	0.374603927	6.89364E-06	0.001356588	0.000715361	0.001844468	0.00106492
2114 Apr	0.00175708	0.104326218	1.01613E-05	7.032457352	9.677514076	0.081401639	0.002807465	31.29104614	0.005284977	0.01078349	0.000605487	0.000974435	0.000433201	0.376714826	6.93224E-06	0.001364165	0.000719491	0.001854868	0.001070863
2114 May	0.001751684	0.118338242	1.01779E-05	7.159704685	9.66582489	0.090379052	0.002771883	29.71507645	0.005244879	0.010884084	0.000686488	0.000973283	0.000435065	0.386913717	6.98376E-06	0.001368646	0.000816915	0.001900158	0.001048663
2114 Jun	0.001700775	0.135081321	1.03889E-05	7.144564629	9.274188995	0.098482326	0.002644209	26.2040081	0.005034149	0.011107123	0.000761178	0.000947369	0.000423108	0.388918966	6.95555E-06	0.001337017	0.000928979	0.002002804	0.000981225
2114 Jul	0.001836652	0.141581357	1.11398E-05	7.229547024	10.0014267	0.101614416	0.002695735	30.37299156	0.005382305	0.011752428	0.000792326	0.001003538	0.000443349	0.397498846	7.06976E-06	0.001346537	0.000972158	0.002160072	0.001032827
2114 Aug	0.002034566	0.148675248	1.19089E-05	7.504428864	11.21681118	0.107768811	0.002843069	36.84492111	0.005958937	0.012430746	0.000847795	0.001097509	0.000481555	0.417799085	7.31402E-06	0.001395786	0.001032372	0.002326165	0.001133652
2114 Sep	0.001981411	0.134472191	1.1357E-05	6.334457874	10.81244278	0.094141223	0.002490213	39.44083405	0.005629683	0.011743634	0.000744625	0.000999843	0.000437437	0.362254769	6.21006E-06	0.001162319	0.00091451	0.002165956	0.001037656
2114 Oct	0.001939607	0.12204653	1.07759E-05	5.774676323	10.56237793	0.084905699	0.002350964	40.58456802	0.005452786	0.011250657	0.000670033	0.000951538	0.000415	0.333988965	5.66653E-06	0.001063	0.000827701	0.002024397	0.001002409
2114 Nov	0.00187905	0.112067752	1.03891E-05	6.317086697	10.35470772	0.083067045	0.002571969	37.82076645	0.005465714	0.010956426	0.000639702	0.000973647	0.000427768	0.353299767	6.18435E-06	0.001198075	0.000774714	0.001931842	0.001052248
2114 Dec	0.001889214	0.111744151	1.03842E-05	6.35007	10.44290257	0.083388604	0.002589566	38.28006363	0.005509811	0.010950591	0.000642412	0.000982014	0.000431115	0.355160594	6.20903E-06	0.001206044	0.00077651	0.001935668	0.001062513
2115 Jan	0.00189459	0.111789934	1.03865E-05	6.351700306	10.48395538	0.083553739	0.002592149	38.53111267	0.005527623	0.010951585	0.00064396	0.000984951	0.000432202	0.355499566	6.20724E-06	0.00120643	0.000778224	0.00193843	0.001065762
2115 Feb	0.001899048	0.111873545	1.03897E-05	6.354648113	10.51756668	0.083718367	0.002594628	38.72753906	0.005542304	0.010954052	0.000645374	0.000987401	0.000433123	0.355859637	6.20727E-06	0.001207015	0.000779884	0.00194089	0.001068444
2115 Mar	0.00190296	0.11203032	1.04015E-05	6.362280369	10.54317951	0.083879493	0.002598291	38.85409164	0.005554399	0.010966254	0.000646665	0.000989475	0.000433965	0.35637784	6.21341E-06	0.001208463	0.000781447	0.001943938	0.001070696

Appendix D.2-12: A6

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.001917756	0.112919278	1.04821E-05	6.411322117	10.62509155	0.084540308	0.002618257	39.15576172	0.005597378	0.011051417	0.000651715	0.00099711	0.000437314	0.359137386	6.26117E-06	0.001217737	0.00078762	0.001958993	0.001078939
2115 May	0.001816919	0.128311843	1.04471E-05	6.563892841	9.891419411	0.092186809	0.002544611	32.75514603	0.005241065	0.01115448	0.000715978	0.000945238	0.000421021	0.366477966	6.38204E-06	0.001223808	0.000869359	0.001956167	0.000999548
2115 Jun	0.00179705	0.146145627	1.0847E-05	7.031736374	9.662185669	0.102770448	0.002605177	28.41264343	0.005167179	0.011668164	0.00080187	0.000948409	0.000426806	0.390311331	6.81835E-06	0.001295185	0.00097929	0.002052253	0.000979256
2115 Jul	0.001867569	0.150822431	1.14473E-05	6.962359428	9.880125999	0.102645926	0.002583202	30.03641129	0.00527036	0.012157912	0.0008057	0.000957229	0.000429545	0.38870737	6.81644E-06	0.001273391	0.000982681	0.002134706	0.000983158
2115 Aug	0.001738648	0.132558227	1.09207E-05	5.825994015	8.98607254	0.085919	0.002207643	29.8057785	0.004767605	0.011187461	0.000675755	0.000837596	0.000376766	0.329612285	5.81891E-06	0.001050994	0.000816539	0.001952724	0.000863567
2115 Sep	0.001817049	0.12272317	1.08275E-05	5.793884277	9.700848579	0.083708778	0.00228256	35.08003998	0.005103873	0.010907174	0.000656483	0.000888264	0.000396321	0.330248922	5.74735E-06	0.001058035	0.000782471	0.001951254	0.000936023
2115 Oct	0.001905438	0.118717618	1.07346E-05	6.061105251	10.45525837	0.085527971	0.002440755	39.12738037	0.005479188	0.010897936	0.000670716	0.000959404	0.000424039	0.345174074	5.94343E-06	0.001126442	0.000792845	0.001975229	0.001025609
2115 Nov	0.001896278	0.113614067	1.05793E-05	6.557850838	10.51094532	0.085787207	0.002647145	37.98391342	0.005592279	0.010910813	0.000661448	0.000995643	0.000440781	0.365298182	6.41088E-06	0.001245345	0.000777098	0.001947504	0.001081055
2115 Dec	0.001900615	0.113417052	1.05803E-05	6.58294487	10.54590702	0.085895382	0.002659464	38.13020706	0.005612049	0.010920105	0.000661996	0.000999621	0.00044243	0.366522431	6.43287E-06	0.001251335	0.00077745	0.001948924	0.001086225
2116 Jan	0.001908807	0.113449924	1.05823E-05	6.585369587	10.60947323	0.086137585	0.002663529	38.52156067	0.005639709	0.010919752	0.000664348	0.001004225	0.000444126	0.367031753	6.42998E-06	0.001251977	0.000779966	0.001953066	0.001091345
2116 Feb	0.001911179	0.113591835	1.05888E-05	6.589057446	10.62478828	0.086257875	0.002665194	38.59634399	0.005646525	0.010927038	0.000665191	0.001005338	0.000444575	0.36732316	6.43246E-06	0.001252572	0.000781161	0.001954778	0.001092509
2116 Mar	0.001913631	0.113773502	1.06019E-05	6.596713543	10.63822746	0.086385205	0.002668163	38.64441681	0.005653339	0.010941027	0.000666085	0.001006512	0.000445095	0.367773384	6.43969E-06	0.001253946	0.000782356	0.001957182	0.001093747
2116 Apr	0.001927426	0.114617221	1.06783E-05	6.643978119	10.71468353	0.087018207	0.002687188	38.92067337	0.005693823	0.011020204	0.000670912	0.001013699	0.000448276	0.370419383	6.48572E-06	0.001262884	0.000788111	0.001971261	0.001101534
2116 May	0.001931559	0.127224267	1.07262E-05	6.736793518	10.72914696	0.094633043	0.00265546	37.74536133	0.005666502	0.011202856	0.000739515	0.001013012	0.00044945	0.378747314	6.51574E-06	0.001263252	0.000875925	0.002017085	0.001082348
2116 Jun	0.001689331	0.120125622	1.03415E-05	7.895953178	9.463949203	0.095784262	0.002975422	26.46019936	0.005373736	0.010864182	0.000723432	0.001029644	0.000456857	0.418245673	7.70577E-06	0.001528028	0.000865208	0.002007277	0.001093781
2116 Jul	0.001792089	0.124190219	1.11543E-05	8.084273338	10.00495243	0.097653419	0.00305943	29.30157471	0.005679533	0.011546597	0.000738387	0.001089029	0.000476175	0.429031253	7.9564E-06	0.001563361	0.000904211	0.002196314	0.001144621
2116 Aug	0.001919754	0.128325015	1.17229E-05	8.163689613	10.74761009	0.100538798	0.003123843	33.61892319	0.006022311	0.012003964	0.000764905	0.001138782	0.000496834	0.437610656	8.03357E-06	0.001572831	0.00093288	0.002301479	0.001198405
2116 Sep	0.001862518	0.117520429	1.10893E-05	6.939531803	10.24680328	0.087895907	0.002738304	35.34234619	0.005605182	0.011384677	0.000671339	0.001022715	0.000446789	0.380239636	6.85948E-06	0.001322971	0.000825509	0.002108836	0.001083852
2116 Oct	0.001839611	0.10960608	1.05937E-05	6.7881217	10.08332062	0.082782589	0.002736734	35.13955688	0.005497408	0.011127746	0.000625519	0.000991216	0.000437215	0.371369541	6.68172E-06	0.001305411	0.00075779	0.001951666	0.001076058
2116 Nov	0.001870487	0.109284639	1.06048E-05	6.859749794	10.31311989	0.083582945	0.002779042	36.35497665	0.005607361	0.011158914	0.000632318	0.001010082	0.000445165	0.375771552	6.73249E-06	0.001322319	0.00076207	0.001958574	0.001100317
2116 Dec	0.001880621	0.109246485	1.06064E-05	6.861658573	10.39247799	0.083840102	0.002784049	36.85319901	0.005642026	0.011156456	0.000635088	0.001015861	0.000447289	0.376332402	6.72812E-06	0.001323007	0.000764763	0.001963606	0.001106819
2117 Jan	0.001884712	0.109265104	1.06067E-05	6.861996174	10.42435074	0.083961017	0.002785752	37.05194092	0.005655683	0.011155555	0.00063626	0.001018106	0.00044811	0.376552224	6.72572E-06	0.001323134	0.000766034	0.001965574	0.001109316
2117 Feb	0.00188553	0.109317787	1.06073E-05	6.862050533	10.43013573	0.084007286	0.002785863	37.08426285	0.005657935	0.011156483	0.000636562	0.001018443	0.000448234	0.37660861	6.72509E-06	0.001323072	0.000766518	0.001965977	0.001109652
2117 Mar	0.001888509	0.109515086	1.06238E-05	6.872400284	10.44644547	0.084151112	0.002789974	37.1414299	0.005666575	0.011174172	0.000637596	0.001019973	0.000448908	0.377190977	6.73509E-06	0.001325014	0.000767855	0.001969024	0.001111294
2117 Apr	0.001906207	0.11055696	1.07233E-05	6.936594486	10.54419518	0.084946506	0.002815975	37.48804474	0.005719498	0.01127907	0.000643589	0.001029485	0.000453096	0.380721569	6.79793E-06	0.00133736	0.000775127	0.001987454	0.001121643
2117 May	0.001864794	0.124641925	1.08034E-05	6.832224846	10.1440897	0.090750739	0.00268738	34.23833847	0.005471349	0.011465624	0.000697506	0.000984155	0.000437133	0.378436446	6.6723E-06	0.001290353	0.000847906	0.002004603	0.001050341
2117 Jun	0.001757718	0.139620438	1.08569E-05	7.28757143	9.470701218	0.10015209	0.002709503	27.20397568	0.005200763	0.011578927	0.000773169	0.000964204	0.000432524	0.398310572	7.09388E-06	0.00136335	0.000944317	0.002053916	0.001000745
2117 Jul	0.001845586	0.144986555	1.15009E-05	7.273270607	9.834676743	0.101178937	0.002711162	29.49013329	0.005374391	0.012120664	0.000786183	0.000987774	0.000440545	0.400146484	7.13464E-06	0.001352479	0.000963036	0.002163043	0.00101871
2117 Aug	0.001897227	0.144514769	1.17727E-05	7.010530472	10.06146622	0.099061452	0.002640956	32.05200577	0.005447321	0.012226972	0.00077394	0.000985296	0.000438647	0.389693856	6.91213E-06	0.001294671	0.000944065	0.002189316	0.001016407
2117 Sep	0.001954824	0.141426772	1.1769E-05	6.700113773	10.43517208	0.096739508	0.002576736	35.75862122	0.005566626	0.012177246	0.000760116	0.000991148	0.000438859	0.377914667	6.5986E-06	0.001232312	0.000928445	0.00218974	0.001026717
2117 Oct	0.001901377	0.132380188	1.13212E-05	5.938062191	10.00222492	0.087107904	0.00234375	36.27415848	0.005264285	0.011809858	0.000685144	0.000915345	0.000404604	0.340544045	5.88775E-06	0.001082004	0.000850152	0.002065888	0.00095147
2117 Nov	0.001883812	0.130062655	1.12056E-05	5.736170292	9.858345032	0.084494889	0.002280187	36.21539307	0.005171963	0.011716546	0.000664457	0.000893193	0.000394777	0.330504894	5.7015E-06	0.00104195	0.000828821	0.002031592	0.000929329
2117 Dec	0.001894948	0.129920766	1.12043E-05	5.732198715	9.944761276	0.084687635	0.002284239	36.78616714	0.005208897	0.011711918	0.000666783	0.000899112	0.000396902	0.330830574	5.69103E-06	0.001041565	0.000831021	0.002036176	0.000936144
2118 Jan	0.001899095	0.129952431	1.12054E-05	5.733266354	9.976651192	0.084815562	0.002286191	36.98158264	0.005222637	0.011712115	0.000667949	0.000901372	0.000397736	0.331085593	5.68936E-06	0.001041828	0.00083234	0.002038182	0.000938669
2118 Feb	0.001899577	0.130046681	1.12077E-05	5.733962536	9.978777885	0.084866755	0.002286221	36.98587799	0.005223304	0.011715445	0.000668189	0.000901429	0.000397767	0.331158102	5.6897E-06	0.001041824	0.000832868	0.002038557	0.000938668
2118 Mar	0.001901079	0.130184919	1.12164E-05	5.738148689	9.986377716	0.084950507	0.002287744	37.01158524	0.005227056	0.011725078	0.000668758	0.000902045	0.000398043	0.331416458	5.69367E-06	0.001042512	0.000833704	0.002040106	0.000939275
2118 Apr	0.001911413	0.133182943	1.12691E-05	5.747424126	10.02209568	0.086496703	0.002281956	36.98269653	0.005231108	0.011812165	0.000675014	0.000900736	0.000397737	0.333020449	5.69138E-06	0.001039547	0.00084974	0.002047061	0.00093569
2118 May	0.001820828	0.145928726	1.09962E-05	6.379096031	9.575615883	0.097424284	0.002395639	30.65044212	0.005063732	0.011737584	0.000754758	0.000897286	0.000403367	0.362249553	6.20862E-06	0.001155239	0.00094076	0.002022123	0.000921565
2118 Jun	0.001745275	0.133196324	1.07383E-05	8.118806839	9.685657501	0.102781817	0.003020149	25.94548607	0.005439986	0.011389184	0.000781185	0.001038942	0.000465075	0.432602078	7.8644E-06	0.001556151	0.000934748	0.002062795	0.001095695
2118 Jul	0.001874183	0.141433582	1.15931E-05	8.3751297	10.34465885	0.107189029	0.003123127	28.95061684	0.005782009	0.012181126	0.000818632	0.001098885	0.000488243	0.448528975	8.15182E-06	0.001599502	0.00098852	0.002235183	0.00115093
2118 Aug	0.001867635	0.131770924	1.13784E-05	7.281552792	10.22848797	0.096749306	0.002778319	32.8451004	0.0055868	0.011607996	0.000746609	0.001025427	0.000454392	0.39865303	7.13644E-06	0.001372578	0.000896341	0.002147253	0.0010749
2118 Sep	0.001827862	0.115923233	1.0702E-05	7.094557762	10.07432079	0.088158354	0.00279712	33.27375412	0.005495393	0.011093464	0.000668606	0.000999509	0.000445425	0.385995418	6.92963E-06	0.001359093	0.000791343	0.001964461	0.001081069
2118 Oct	0.001867172	0.110938102	1.05288E-05	7.772607327	10.50056744	0.09033899	0.003090502	33.74651337	0.005778692	0.011142651	0.000676233	0.0010673	0.000476441	0.415952951	7.5256E-06	0.001519077	0.000783477	0.001936744	0.001177182
2118 Nov	0.001893357	0.110270381	1.05232E-05	7.877008915	10.71565342	0.091164805	0.003143216	34.77439499	0.005887251	0.011158584	0.000682803	0.001088334	0.000485082	0.421479583	7.6072E-06	0.001543833	0.000787752	0.001944848	0.001203359
2118 Dec	0.001894914	0.110320419	1.05293E-05	7.875380039	10.72357368	0.091175191	0.00314321	34.82919312	0.005890452	0.011165374	0.000682943	0.001088685	0.000485211	0.42146641	7.60572E-06	0.001543414	0.000788025	0.001945883	0.001203733
2119 Jan	0.001899615	0.110361271	1.05315E-05	7.876207352	10.75930786	0.091315761	0.003145252	35.04975891	0.005905864	0.011166315	0.00068428	0.001091209	0.000486139	0.421736062	7.60365E-06	0.001543617	0.000789516	0.001948321	0.001206533
2119 Feb	0.001903505	0.110442623	1.05353E-05	7.879214287	10.78819752	0.091460213	0.003147539	35.21652603	0.005918567	0.01116954	0.000685515	0.001093332	0.000486943	0.422067046	7.60424E-06	0.001544206	0.000790971	0.001950565	0.001208867
2119 Mar	0.001908867	0.110777915	1.05643E-05	7.900428772	10.81852245	0.091728374	0.00315594	35.31663513	0.005934893	0.011200639	0.000687469	0.001096312	0.000488269	0.423223943	7.62451E-06	0.001548303	0.000793334	0.001955958	0.001212133
2119 Apr	0.001927957	0.120981	1.06676E-05	7.859155655	10.83846283	0.096629478	0.003102455	34.80818939	0.005890306	0.01141953	0.00070517	0.001080729	0.000482351	0.425101846	7.54452E-06	0.001522169	0.000846065	0.001965344	0.001186517
2119 May	0.00178479	0.150451466	1.04329E-05	7.741130352	9.783331871	0.110587612	0.002837463	26.10320663	0.005261817	0.011438072	0.000806526	0.000976307	0.000443987	0.423758179	7.32673E-06	0.001445259	0.00100581	0.001943693	0.001025244
2119 Jun	0.001740866	0.137945324	1.0503E-05	7.788319588	9.658683777	0.10413079	0.002876998	26.17745209	0.005293464	0.011221964	0.000781013	0.001005968	0.000449468	0.419527382	7.46751E-06	0.00147657	0.000958796	0.002024598	0.001050431
2119 Jul	0.001869132	0.143703103	1.12732E-05	7.860303879	10.378088	0.107040159	0.00292276	30.39169693	0.005644252	0.011872039	0.000809149	0.001067539	0.000469406	0.427169591	7.57757E-06	0.001484244	0.001011494	0.002214047	0.001102414
2119 Aug	0.001900064	0.139878944	1.14695E-05	7.287819862	10.44139862	0.101465277	0.002753905	33.26971817	0.00560906	0.011807424	0.000770706	0.001033473	0.000454844	0.401994973	7.07583E-06	0.001361422	0.000960226	0.002201508	0.001068725
2119 Sep	0.001856541	0.125660196	1.0928E-05	6.394137859	10.14775944	0.089716285	0.00250165	35.48060226	0.005367122	0.011159373	0.000682962	0.000959378	0.000422488	0.35888955	6.23441E-06	0.00118785	0.000848635	0.00204506	0.001005538
2119 Oct	0.001861601	0.117104486	1.06056E-05	7.072413445	10.35973358	0.089646317	0.002799782	34.70617676	0.005561499	0.011067017	0.000672355	0.001012617	0.000448809	0.386597574	6.84197E-06	0.001353739	0.000810341	0.001966793	0.001094254
2119 Nov	0.001868134	0.114530027	1.05217E-05	7.397871017	10.4829464	0.090442598	0.002934143	34.41330338	0.005663818	0.011057531	0.000674562	0.001039974	0.000461958	0.400405109	7.13544E-06	0.001430265	0.00080232	0.001948856	0.001134674
2119 Dec	0.001875589	0.114551157	1.05279E-05	7.400254726	10.53854942	0.090628818	0.002938034	34.75741959	0.005688353	0.011061523	0.000676515	0.001044014	0.000463461	0.40085125	7.13394E-06	0.00143089	0.000804305	0.001952936	0.001139224

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	34	0.0092	0.0051	0.0010	6.2	0.020	2.2	9.6E-04	9.6E-04	4.8E-06	5.3E-03	8.9E-04	8.4E-03	1.2E-02	4.8E-06	9.9E+00	6.7E-06	1.3E-04	9.8E-05
Operations (2020-2043): Mean	48	0.060	0.0072	0.0010	11	0.036	4.1	1.0E-03	1.0E-03	5.1E-06	7.4E-03	1.1E-03	1.1E-02	1.7E-02	5.1E-06	1.5E+01	1.6E-05	2.1E-04	1.6E-04
Operations (2020-2043): Max	92	0.10	0.023	0.0011	22	0.043	7.4	1.1E-03	1.1E-03	5.5E-06	8.3E-03	1.9E-03	1.2E-02	4.3E-02	5.5E-06	3.5E+01	2.3E-05	4.6E-04	6.7E-04
Active Closure (2044-2050): Min	35	0.010	0.0054	0.0010	6.3	0.021	2.2	9.7E-04	9.7E-04	4.8E-06	6.3E-03	9.0E-04	9.1E-03	1.2E-02	4.8E-06	1.0E+01	1.2E-05	1.6E-04	1.0E-04
Active Closure (2044-2050): Mean	45	0.058	0.0065	0.0010	10	0.036	3.8	1.0E-03	1.0E-03	5.1E-06	7.5E-03	1.1E-03	1.1E-02	1.6E-02	5.1E-06	1.4E+01	1.6E-05	2.0E-04	1.3E-04
Active Closure (2044-2050): Max	61	0.090	0.014	0.0011	13	0.043	4.9	1.1E-03	1.1E-03	5.5E-06	8.0E-03	1.3E-03	1.2E-02	2.6E-02	5.5E-06	2.1E+01	2.2E-05	3.2E-04	3.6E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Post Closure (2051-2119): Min	43	0.024	0.0060	0.0010	9.7	0.025	3.7	9.5E-04	9.3E-04	4.8E-06	5.2E-03	7.4E-04	1.1E-02	1.1E-02	4.9E-06	1.1E+01	1.0E-05	1.3E-04	1.1E-04
Post Closure (2051-2119): Mean	103	0.087	0.057	0.0020	18	0.039	29	1.1E-03	1.0E-03	5.2E-06	7.8E-03	1.9E-03	4.6E-02	2.1E-02	5.7E-06	2.2E+01	2.2E-05	3.5E-04	2.5E-04
Post Closure (2051-2119): Max	159	0.12	0.11	0.0031	24	0.043	53	1.3E-03	1.1E-03	5.9E-06	8.8E-03	3.3E-03	8.2E-02	3.7E-02	6.6E-06	3.7E+01	3.1E-05	6.3E-04	5.4E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	90.14266968	0.069187559	0.022800067	0.001	21.2738781	0.02	7.266689777	0.001	0.001	5E-06	0.006672536	0.001835576	0.008445073	0.041947436	5E-06	33.70089722	2.12959E-05	0.000450795	0.000651748
2020 Feb	90.31113434	0.069370836	0.022848994	0.001	21.32163811	0.02	7.282998085	0.001	0.001	5E-06	0.006670129	0.001838581	0.008440257	0.042042647	5E-06	33.77506256	2.12918E-05	0.000451571	0.000653457
2020 Mar	90.41867065	0.069482148	0.022879561	0.001000197	21.35128403	0.020003941	7.293121815	0.001000197	0.001000197	5.00099E-06	0.006670161	0.001840545	0.008439356	0.042101655	5.00099E-06	33.82122803	2.12939E-05	0.000452074	0.000654496
2020 Apr	90.66261292	0.069685489	0.022943148	0.001002345	21.41124153	0.020046907	7.31360054	0.001002345	0.001002345	5.01173E-06	0.006683776	0.001845385	0.00845606	0.04222019	5.01173E-06	33.91576767	2.13384E-05	0.000453274	0.000656406
2020 May	92.27627563	0.070919208	0.023350731	0.001020413	21.79135513	0.020408267	7.443439007	0.001020413	0.001020413	5.10207E-06	0.006804551	0.001878282	0.008609077	0.042969596	5.10207E-06	34.51805496	2.17198E-05	0.00046135	0.000668029
2020 Jun	45.27727509	0.020533103	0.009788367	0.000994588	8.577298164	0.019891759	2.931259394	0.000994588	0.000994588	4.97294E-06	0.007270611	0.001033931	0.00966774	0.016639359	4.97294E-06	13.98147011	2.21574E-05	0.000243779	0.000198153
2020 Jul	38.86875916	0.012723078	0.00762759	0.001027099	6.963249207	0.023350131	2.448709488	0.001027099	0.001027099	5.1355E-06	0.007224132	0.00096823	0.009844092	0.013315179	5.1355E-06	11.28128242	2.0466E-05	0.000202283	0.000128324
2020 Aug	40.42079544	0.015418837	0.007539316	0.001067441	7.664691925	0.027795179	2.742680073	0.001067441	0.001067441	5.33721E-06	0.007145705	0.001034343	0.010286575	0.014099885	5.33721E-06	11.96245289	1.83861E-05	0.000199203	0.000128546
2020 Sep	44.51612473	0.055869784	0.006319701	0.001021847	9.999258041	0.035748154	3.761311054	0.001021847	0.001021847	5.10924E-06	0.007432548	0.001054784	0.010998512	0.015226989	5.10924E-06	13.57987118	1.5487E-05	0.000197218	0.000124635
2020 Oct	47.87840271	0.089297883	0.005437996	0.000994891	11.67570972	0.040850688	4.542778015	0.000994891	0.000994891	4.97446E-06	0.007976688	0.001073898	0.011243532	0.016212678	4.97446E-06	14.79726887	1.49844E-05	0.00019624	0.000126194
2020 Nov	48.43163681	0.095001198	0.005283474	0.000989732	11.95795918	0.041706968	4.674819469	0.000989732	0.000989732	4.94866E-06	0.008066103	0.001076622	0.011279779	0.016373722	4.94866E-06	14.99891376	1.489E-05	0.000195968	0.000126396
2020 Dec	48.44827652	0.095137335	0.005280473	0.000989703	11.96533108	0.041729808	4.67818737	0.000989703	0.000989703	4.94852E-06	0.008068812	0.001076777	0.011281578	0.016378764	4.94852E-06	15.00474548	1.48892E-05	0.00019598	0.000126411
2021 Jan	48.53676224	0.095191672	0.005309393	0.000989733	11.98860168	0.041715588	4.685771942	0.000989733	0.000989733	4.94867E-06	0.008067569	0.001078351	0.011278315	0.016429517	4.94867E-06	15.04358292	1.4894E-05	0.000196431	0.000127364
2021 Feb	48.65841293	0.095245488	0.005349825	0.000989898	12.01982117	0.041696094	4.695819855	0.000989898	0.000989898	4.94949E-06	0.008066224	0.001080572	0.011274826	0.016498968	4.94949E-06	15.09657192	1.49024E-05	0.000197062	0.000128664
2021 Mar	48.74287415	0.095310301	0.005373867	0.000990357	12.04132462	0.041700985	4.703048229	0.000990357	0.000990357	4.95178E-06	0.008068494	0.001082186	0.011277122	0.01654299	4.95178E-06	15.13109303	1.49125E-05	0.00019748	0.00012942
2021 Apr	48.82117462	0.095406219	0.005390893	0.000991231	12.06102943	0.041729581	4.710078239	0.000991231	0.000991231	4.95615E-06	0.00807478	0.001083775	0.011285408	0.016578313	4.95615E-06	15.16012955	1.49275E-05	0.00019784	0.000129932
2021 May	50.63668823	0.095926121	0.005955131	0.001004569	12.48143864	0.041665863	4.844774723	0.001004569	0.001004569	5.02285E-06	0.00814172	0.001119388	0.011354037	0.017515961	5.02285E-06	15.88564205	1.53034E-05	0.000207617	0.000146428
2021 Jun	42.85030365	0.030805906	0.008089065	0.000995355	8.335472107	0.023902398	2.95616293	0.000995355	0.000995355	4.97678E-06	0.007472188	0.000988506	0.010065837	0.01487883	4.97678E-06	12.83516312	2.09389E-05	0.000221281	0.000154179
2021 Jul	38.75667953	0.016901786	0.007173866	0.001030267	7.207622051	0.025894532	2.596055984	0.001030267	0.001030267	5.15134E-06	0.00714434	0.000982875	0.009842101	0.013333868	5.15134E-06	11.31616592	1.90573E-05	0.00019276	0.000121408
2021 Aug	39.50865936	0.019522935	0.006817728	0.001046499	7.942638397	0.031164179	2.911113262	0.001046499	0.001046499	5.23249E-06	0.006716666	0.001039247	0.010110768	0.013968211	5.23249E-06	11.88083267	1.52319E-05	0.00018164	0.000117867
2021 Sep	44.21666718	0.059270736	0.005918536	0.001008691	10.23670959	0.037759118	3.88246274	0.001008691	0.001008691	5.04345E-06	0.007206319	0.001057087	0.010970597	0.015193293	5.04345E-06	13.60608578	1.36954E-05	0.000188696	0.000118912
2021 Oct	47.37593842	0.08548446	0.005424252	0.000998259	11.55428886	0.041145619	4.486764908	0.000998259	0.000998259	4.99129E-06	0.007808584	0.001077115	0.011243477	0.016103245	4.99129E-06	14.66900063	1.42639E-05	0.000193199	0.000123729
2021 Nov	47.61064148	0.086495772	0.005426595	0.001000998	11.62720585	0.041367874	4.517735004	0.001000998	0.001000998	5.00499E-06	0.007849605	0.001080967	0.011285512	0.016178327	5.00499E-06	14.74409866	1.43236E-05	0.000193916	0.000124243
2021 Dec	47.64861298	0.086616158	0.005428778	0.001001603	11.63785076	0.041402481	4.522102833	0.001001603	0.001001603	5.00802E-06	0.00785607	0.001081699	0.011293317	0.016190819	5.00802E-06	14.75606918	1.43341E-05	0.00019405	0.000124334
2022 Jan	47.70692062	0.086666256	0.005446752	0.001001654	11.65330887	0.041396178	4.527247429	0.001001654	0.001001654	5.00827E-06	0.007855989	0.00108272	0.011291835	0.016223328	5.00827E-06	14.78121376	1.43385E-05	0.000194342	0.000124933
2022 Feb	47.77972031	0.086699218	0.005471396	0.00100168	11.67211151	0.041381426	4.533278465	0.00100168	0.00100168	5.0084E-06	0.007854749	0.001084022	0.011288882	0.016265476	5.0084E-06	14.81327248	1.43431E-05	0.000194722	0.000125733
2022 Mar	47.83482742	0.08674518	0.005486595	0.001002017	11.68612862	0.041386753	4.538029194	0.001002017	0.001002017	5.01009E-06	0.007856611	0.001085082	0.011290918	0.016293699	5.01009E-06	14.83552933	1.43502E-05	0.000194992	0.00012621
2022 Apr	48.20707321	0.087389275	0.005534382	0.001009346	11.77738571	0.041684531	4.573070049	0.001009346	0.001009346	5.04673E-06	0.007913627	0.001093416	0.011372493	0.016425915	5.04673E-06	14.95393944	1.44565E-05	0.000196535	0.000127382
2022 May	49.02769089	0.08886192	0.005630902	0.001026329	11.97793865	0.042383172	4.650761604	0.001026329	0.001026329	5.13164E-06	0.008046567	0.001111983	0.011563358	0.016707888	5.13164E-06	15.20976639	1.47005E-05	0.000199893	0.000129634
2022 Jun	41.05256271	0.04304171	0.006372937	0.001003565	8.379687309	0.029249288	3.09821558	0.001003565	0.001003565	5.01783E-06	0.00764469	0.00096225	0.010581547	0.013429515	5.01783E-06	11.97004795	1.90563E-05	0.000198462	0.000111705
2022 Jul	34.18720245	0.009584333	0.00599542	0.000984274	6.517772675	0.028239593	2.436871529	0.000984274	0.000984274	4.92137E-06	0.006167137	0.000956832	0.008794446	0.012212076	4.92137E-06	10.10111141	1.43605E-05	0.000152703	9.86419E-05
2022 Aug	36.79476547	0.014982597	0.006014449	0.001026001	7.634882927	0.033774819	2.86970377	0.001026001	0.001026001	5.13001E-06	0.006040359	0.001038153	0.009505994	0.013404466	5.13001E-06	11.2221384	1.15938E-05	0.000153953	0.000102747
2022 Sep	42.24134445	0.050275393	0.005658819	0.001006511	9.809586525	0.038580596	3.729252577	0.001006511	0.001006511	5.03256E-06	0.006714773	0.001057893	0.010678851	0.01474983	5.03256E-06	13.07495403	1.15827E-05	0.000174173	0.000110114
2022 Oct	45.63264465	0.076250583	0.005331142	0.000995188	11.07989025	0.040976297	4.296133995	0.000995188	0.000995188	4.97594E-06	0.007415159	0.001071005	0.011000096	0.015664021	4.97594E-06	14.16245365	1.29342E-05	0.00018365	0.000117615
2022 Nov	45.87471771	0.077055782	0.00534514	0.000998784	11.14748383	0.041180849	4.323810101	0.000998784	0.000998784	4.99392E-06	0.007457441	0.001075374	0.011048657	0.015742183	4.99392E-06	14.23827267	1.30105E-05	0.000184542	0.000118215
2022 Dec	45.91291428	0.07719215	0.005347016	0.000999312	11.15835476	0.041212831	4.328290462	0.000999312	0.000999312	4.99656E-06	0.007464181	0.001076033	0.011056093	0.0157544	4.99656E-06	14.25025272	1.30227E-05	0.000184681	0.000118309
2023 Jan	45.97478867	0.077255815	0.005365632	0.000999347	11.17480755	0.041205682	4.333801746	0.000999347	0.000999347	4.99674E-06	0.007464495	0.001077076	0.011054656	0.015788354	4.99674E-06	14.2767067	1.30289E-05	0.000184993	0.000118935
2023 Feb	46.05132294	0.077296682	0.005391197	0.000999372	11.19460011	0.041190438	4.340177059	0.000999372	0.000999372	4.99686E-06	0.00746348	0.001078425	0.011051743	0.015832273	4.99686E-06	14.31023693	1.30346E-05	0.000185393	0.000119768
2023 Mar	46.09679413	0.077325262	0.005405571	0.000999468	11.20630074	0.04118548	4.344006062	0.000999468	0.000999468	4.99734E-06	0.007463535	0.001079248	0.011051055	0.015857505	4.99734E-06	14.32968044	1.30388E-05	0.000185626	0.000120232
2023 Apr	46.30845261	0.077653058	0.005435559	0.001003548	11.25812626	0.041348539	4.36369133	0.001003548	0.001003548	5.01774E-06	0.00749363	0.001084066	0.011095176	0.015935795	5.01774E-06	14.39850998	1.30937E-05	0.000186507	0.000120981
2023 May	52.33749771	0.077643946	0.007650197	0.001016758	12.64395523	0.039272748	4.780076504	0.001016758	0.001016758	5.08379E-06	0.007494327	0.001191364	0.010919086	0.019356983	5.08379E-06	16.9718895	1.42796E-05	0.000221621	0.000188038
2023 Jun	49.58765793	0.029616484	0.010743046	0.00098349	10.0225811	0.021210443	3.462178707	0.00098349	0.00098349	4.91745E-06	0.007132712	0.001110457	0.009520563	0.019088047	4.91745E-06	15.94672012	2.11263E-05	0.000258744	0.000238606
2023 Jul	39.31357574	0.014943895	0.007651847	0.001006379	7.378760338	0.024609463	2.63133359	0.001006379	0.001006379	5.03189E-06	0.006877941	0.000990538	0.009465524	0.013994548	5.03189E-06	11.74310875	1.86273E-05	0.000196513	0.000138276
2023 Aug	39.86453629	0.016554523	0.00721559	0.001040957	7.978850842	0.030230381	2.920906782	0.001040957	0.001040957	5.20479E-06	0.006574261	0.00105699	0.009703271	0.014547469	5.20479E-06	12.16906166	1.52037E-05	0.000182601	0.000131777
2023 Sep	42.55160141	0.034357727	0.006765343	0.001035167	9.318089485	0.035055477	3.427097797	0.001035167	0.001035167	5.17583E-06	0.006664196	0.001073582	0.010753422	0.015078632	5.17583E-06	13.14951706	1.31564E-05	0.000189599	0.000125881
2023 Oct	44.66506577	0.0542344	0.006305419	0.001024705	10.24352932	0.037540741	3.858941793	0.001024705	0.001024705	5.12353E-06	0.007122709	0.00108132	0.010966532	0.015597821	5.12353E-06	13.83191299	1.36075E-05	0.000191978	0.00012675
2023 Nov	45.11400604	0.05688899	0.006276391	0.001027821	10.40019798	0.038004462	3.928102493	0.001027821	0.001027821	5.13911E-06	0.007209105	0.001086896	0.011039494	0.015727928	5.13911E-06	13.97434139	1.37208E-05	0.00019309	0.000127399
2023 Dec	45.15472412	0.057100497	0.00627504	0.001028204	10.41366291	0.038045324	3.933954	0.001028204	0.001028204	5.14102E-06	0.007216736	0.001087475	0.011046628	0.015740097	5.14102E-06	13.98721218	1.37314E-05	0.000193203	0.000127466
2024 Jan	45.23104858	0.057213329	0.006296203	0.001028156	10.43499374	0.038040709	3.941342592	0.001028156	0.001028156	5.14078E-06	0.007217295	0.001088705	0.011044446	0.0157816	5.14078E-06	14.01993752	1.37373E-05	0.000193566	0.000128221
2024 Feb	45.32646942	0.057281706	0.006327207	0.001028134	10.46021175	0.038023561	3.949594736	0.001028134	0.001028134	5.14067E-06	0.007216068	0.001090356	0.011040519	0.0158362	5.14067E-06	14.06182671	1.37434E-05	0.000194054	0.000129253
2024 Mar	45.43159485	0.057386272	0.006351466	0.001029334	10.48620605	0.038059074	3.958721161	0.001029334	0.001029334	5.14667E-06	0.007223906	0.001092536	0.011051401	0.0158845	5.14667E-06	14.10109997	1.37629E-05	0.000194548	0.000129964
2024 Apr	45.56753159	0.057542257	0.006375795	0.001031755	10.51854515	0.038143687	3.970547199	0.001031755	0.001031755	5.15878E-06	0.007240576	0.001095612	0.011076287	0.01593844	5.15878E-06	14.14699173	1.37972E-05	0.000195154	0.000130581
2024 May	56.69641495	0.060844965	0.010382016	0.001033742	13.19774723	0.034128141	4.79823637	0.001033742	0.001033742	5.16871E-06	0.00717188	0.001283477	0.010546821	0.022333194	5.16871E-06	18.97429276	1.57218E-05	0.000258403	0.000257
2024 Jun	64.0854187	0.042758197	0.01512946	0.000988524	14.02040005	0.020506594	4.805686951	0.000988524	0.000988524	4.94262E-06	0.006940024	0.001370116	0.009105685	0.027301511	4.94262E-06	22.30890846	2.11914E-05	0.000328113	0.000387939
2024 Jul	58.97663498	0.035230841	0.013382111	0.001045392	12.49848366	0.023030106	4.32047987	0.001045392	0.001045392	5.22696E-06	0.007248005	0.001314381	0.009664927	0.024236513	5.22696E-06	19.89263916	2.12841E-05	0.000299792	0.000323876
2024 Aug	56.72963715	0.036592215	0.011976067	0.001068916	12.35208797	0.028513664	4.316466331	0.001068916	0.001068916	5.34458E-06	0.007049566	0.001300739	0.010463761	0.022734622	5.34458E-06	18.95915985	1.80464E-05	0.000278528	0.000280396
2024 Sep	52.94285965	0.059860278	0.008972608	0.001032129	12.3006506	0.035517853	4.477725506	0.001032129	0.001032129	5.16065E-06	0.007211803	0.00120217	0.011190871	0.019812817	5.16065E-06	17.24593353	1.50112E-05	0.000242026	0.000207214
2024 Oct	52.53716278	0.07433968	0.007905989	0.00102536	12.51528645	0.038173944	4.667103767	0.00102536	0.00102536	5.1268E-06	0.007577266	0.001179347	0.011337812	0.019138219	5.1268E-06	16.91205597	1.50372E-05	0.000231027	0.000186546
2024 Nov	52.362957	0.08037401	0.007460216	0.001022439	12.6036644	0.039278574	4.745680809	0.001022439	0.001022439	5.1122E-06	0.007729038	0.001169714	0.011398056	0.018854957	5.1122E-06	16.77116203	1.50466E-05	0.000226416	0.000177905
2024 Dec	52.38831711	0.080562025	0.007453871	0.001022946	12.61285305	0.039326824	4.750211716	0.001022946	0.001022946	5.11473E-06	0.00773698	0.001170145	0.011405899	0.01885887	5.11473E-06	16.77727127	1.50553E-05	0.000226435	0.000177801
2025 Jan	52.46411514	0.080646142	0.007476616	0.001022913	12.63362312	0.039318986	4.757291317	0.001022913	0.001022913	5.11456E-06	0.007736603	0.001171444	0.011402651	0.018901756	5.11456E-06	16.81038475	1.50596E-05	0.000226798	0.000178593
2025 Feb	52.57419968	0.080709152	0.007512656	0.001023005	12.66225815	0.039301626	4.766620159	0.001023005	0.001023005	5.11503E-06	0.007735415	0.001173426	0.011398865	0.018964713	5.11503E-06	16.85846329	1.5067E-05	0.000227361	0.000179772
2025 Mar	52.64273071	0.080756597	0.007533518	0.001023221	12.6799202	0.039298542	4.77247858	0.001023221	0.001023221	5.11611E-06	0.007736023	0.001174697	0.01139865	0.019002104	5.11611E-06	16.88740349	1.50734E-05	0.000227705	0.000180444
2025 Apr	52.73465729	0.080864795	0.007552965	0.001024373	12.70272064	0.039336305	4.780611038	0.001024373	0.001024373	5.12187E-06	0.007744147	0.001176601	0.01140999	0.019042488	5.12187E-06	16.92085266	1.50922E-05	0.000228129	0.000181007

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 May	53.75527954	0.082413651	0.007701992	0.00104393	12.94875336	0.040083736	4.872998238	0.00104393	0.00104393	5.21965E-06	0.007891734	0.00119931	0.011627122	0.019414149	5.21965E-06	17.25002098	1.53815E-05	0.000232558	0.000184619
2025 Jun	42.71589279	0.039086148	0.007228217	0.001009848	8.663385391	0.027931413	3.141487598	0.001009848	0.001009848	5.04924E-06	0.007569441	0.000992877	0.010576808	0.014421022	5.04924E-06	12.69461727	1.94567E-05	0.00021155	0.000133309
2025 Jul	35.94132614	0.011385394	0.006600483	0.001011227	6.476969242	0.025328334	2.338150024	0.001011227	0.001011227	5.05614E-06	0.006890128	0.000939277	0.009555989	0.012148831	5.05614E-06	10.28859615	1.82862E-05	0.000178438	0.000103086
2025 Aug	37.62600327	0.014259915	0.006498199	0.001048391	7.345333576	0.030660124	2.708565712	0.001048391	0.001048391	5.24196E-06	0.006647146	0.001019956	0.009868816	0.013215207	5.24196E-06	11.14897442	1.52333E-05	0.000171795	0.000106322
2025 Sep	40.87169266	0.034914076	0.006206864	0.00103726	8.781998634	0.034709044	3.278828859	0.00103726	0.00103726	5.1863E-06	0.006874475	0.001043653	0.010588111	0.014145746	5.1863E-06	12.35486317	1.40723E-05	0.000180264	0.000109936
2025 Oct	44.43858337	0.065051593	0.0056639	0.001011205	10.34480095	0.03837597	3.974957943	0.001011205	0.001011205	5.05603E-06	0.007438395	0.001058285	0.010889499	0.015191809	5.05603E-06	13.61371136	1.42826E-05	0.000186047	0.000116621
2025 Nov	45.64922714	0.074741662	0.005501189	0.001004681	10.85939026	0.039607871	4.203075409	0.001004681	0.001004681	5.0234E-06	0.007630512	0.001064772	0.011004181	0.015550604	5.0234E-06	14.03738499	1.43742E-05	0.000188208	0.000118948
2025 Dec	45.69272232	0.074920222	0.005502134	0.001005176	10.87289333	0.039648142	4.208705425	0.001005176	0.001005176	5.02588E-06	0.007637641	0.001065484	0.011012199	0.015564674	5.02588E-06	14.05147648	1.43839E-05	0.000188348	0.00011905
2026 Jan	45.7759819	0.075010397	0.005526593	0.001005231	10.89544201	0.039642472	4.216316223	0.001005231	0.001005231	5.02615E-06	0.007637877	0.001066906	0.011010602	0.015610306	5.02615E-06	14.08716583	1.43898E-05	0.000188757	0.00011988
2026 Feb	45.87766266	0.075066932	0.005560305	0.001005262	10.92195797	0.039623927	4.224886417	0.001005262	0.001005262	5.02631E-06	0.007636385	0.001068705	0.011006818	0.015668686	5.02631E-06	14.13179398	1.4396E-05	0.000189283	0.000120982
2026 Mar	45.96856689	0.075155832	0.005582979	0.001006056	10.9448595	0.039644472	4.232825756	0.001006056	0.001006056	5.03028E-06	0.007641479	0.001070513	0.011013271	0.015712624	5.03028E-06	14.16704941	1.44105E-05	0.000189717	0.000121677
2026 Apr	46.1640625	0.075441338	0.005613365	0.001009652	10.99212265	0.039780039	4.250580788	0.001009652	0.001009652	5.04826E-06	0.007668256	0.001074889	0.011051358	0.015786793	5.04826E-06	14.23143196	1.44638E-05	0.000190557	0.000122453
2026 May	48.65769196	0.076237142	0.006413383	0.001023437	11.57782459	0.039508611	4.436790943	0.001023437	0.001023437	5.11719E-06	0.007734248	0.001121905	0.011097299	0.017106108	5.11719E-06	15.24815845	1.49519E-05	0.000204154	0.00014638
2026 Jun	43.60251236	0.022225667	0.009098737	0.000980577	8.289904594	0.02073173	2.861383438	0.000980577	0.000980577	4.90288E-06	0.007199615	0.001002108	0.00963227	0.01574924	4.90288E-06	13.3251276	2.1407E-05	0.000232256	0.000180228
2026 Jul	40.06812668	0.015431955	0.007904527	0.001024986	7.3121171	0.023338502	2.568998814	0.001024986	0.001024986	5.12493E-06	0.007262305	0.000982949	0.009877281	0.013885096	5.12493E-06	11.76908398	2.06118E-05	0.000208433	0.000138419
2026 Aug	39.43649673	0.01618229	0.007052388	0.001042901	7.890376091	0.030611645	2.89791441	0.001042901	0.001042901	5.2145E-06	0.006555973	0.001053669	0.00971462	0.014336565	5.2145E-06	11.99888325	1.4968E-05	0.000179322	0.000126913
2026 Sep	41.69920349	0.030196553	0.006823232	0.00104766	8.826384544	0.033581305	3.277644873	0.00104766	0.00104766	5.2383E-06	0.006823508	0.001074445	0.010291394	0.014911471	5.2383E-06	12.77075577	1.45439E-05	0.000185324	0.000127191
2026 Oct	44.72317123	0.061400119	0.006027662	0.001014758	10.30713272	0.037501164	3.947588682	0.001014758	0.001014758	5.07379E-06	0.007372659	0.001073144	0.010670109	0.01558316	5.07379E-06	13.79528999	1.45166E-05	0.000188382	0.000126499
2026 Nov	44.94896317	0.062125009	0.00603964	0.001018324	10.37119102	0.037711721	3.973700047	0.001018324	0.001018324	5.09162E-06	0.007410658	0.00107743	0.010718722	0.015655976	5.09162E-06	13.86634445	1.45744E-05	0.000189185	0.000126996
2026 Dec	44.98399734	0.06227142	0.00603999	0.00101875	10.38211441	0.037746128	3.978257179	0.00101875	0.00101875	5.09375E-06	0.007416617	0.001078002	0.010725834	0.015666796	5.09375E-06	13.87748528	1.45821E-05	0.000189297	0.000127061
2027 Jan	45.0398674	0.06234685	0.006055389	0.001018782	10.39759445	0.037745245	3.98356843	0.001018782	0.001018782	5.09391E-06	0.007417137	0.001078929	0.010725277	0.015696695	5.09391E-06	13.90120697	1.45859E-05	0.000189566	0.000127596
2027 Feb	45.10680008	0.062391955	0.00607708	0.001018794	10.41524601	0.037734371	3.989319801	0.001018794	0.001018794	5.09397E-06	0.007416308	0.001080098	0.010722996	0.015734794	5.09397E-06	13.93049335	1.45898E-05	0.00018991	0.000128311
2027 Mar	45.17648697	0.062462445	0.006093381	0.00101955	10.43253422	0.037756197	3.99539113	0.00101955	0.00101955	5.09775E-06	0.007421311	0.00108153	0.010729638	0.015767148	5.09775E-06	13.95671463	1.46027E-05	0.000190237	0.000128796
2027 Apr	45.45919418	0.062838502	0.006135467	0.001025462	10.49850368	0.037971601	4.020341396	0.001025462	0.001025462	5.12731E-06	0.00746406	0.001088163	0.010791104	0.015870418	5.12731E-06	14.04674149	1.46886E-05	0.000191446	0.000129765
2027 May	47.78590393	0.064210601	0.006803149	0.001043594	11.05091095	0.038076151	4.202612877	0.001043594	0.001043594	5.21797E-06	0.00757589	0.001133145	0.010912796	0.017031025	5.21797E-06	14.96005154	1.51788E-05	0.000203613	0.000149522
2027 Jun	37.82501602	0.018205551	0.007190028	0.00098595	6.758980751	0.021965025	2.36604023	0.00098595	0.00098595	4.92975E-06	0.007301951	0.000904671	0.009886929	0.012428868	4.92975E-06	10.77418518	2.1072E-05	0.000202141	0.00011685
2027 Jul	37.12755966	0.011068159	0.007079613	0.001038678	6.363153934	0.023129217	2.232884407	0.001038678	0.001038678	5.19339E-06	0.007438827	0.000930196	0.010122919	0.012072374	5.19339E-06	10.36959076	2.13042E-05	0.000197154	0.000105845
2027 Aug	39.45979691	0.016420098	0.007064275	0.001072417	7.400346756	0.028209023	2.631646633	0.001072417	0.001072417	5.36208E-06	0.007295798	0.001000459	0.0107904	0.013119269	5.36208E-06	11.3836422	1.86369E-05	0.000198202	0.00010887
2027 Sep	43.25340271	0.046084356	0.006359937	0.001040515	9.432873726	0.034912508	3.48612833	0.001040515	0.001040515	5.20257E-06	0.00735303	0.001037523	0.011372929	0.014454922	5.20257E-06	12.98526955	1.55892E-05	0.000198554	0.000112809
2027 Oct	45.62255859	0.068442255	0.005850821	0.001019368	10.58481407	0.038112212	4.026451111	0.001019368	0.001019368	5.09684E-06	0.007693073	0.001054985	0.01138765	0.015290841	5.09684E-06	13.88945198	1.52784E-05	0.000197653	0.000117888
2027 Nov	46.30117416	0.073323257	0.005770841	0.001019312	10.86598778	0.038929861	4.154389858	0.001019312	0.001019312	5.09656E-06	0.00779529	0.00106301	0.011438575	0.015526888	5.09656E-06	14.13362789	1.52789E-05	0.000198299	0.000119427
2027 Dec	46.35067749	0.073596925	0.005768569	0.001019632	10.88385963	0.038984157	4.162271023	0.001019632	0.001019632	5.09816E-06	0.007803006	0.001063759	0.011444815	0.015543923	5.09816E-06	14.15063858	1.52837E-05	0.000198395	0.000119544
2028 Jan	46.44316864	0.073699847	0.005796158	0.001019589	10.90940285	0.038976125	4.170967102	0.001019589	0.001019589	5.09795E-06	0.007802341	0.001065348	0.011441147	0.015596184	5.09795E-06	14.19111061	1.52875E-05	0.000198837	0.000120505
2028 Feb	46.56582642	0.073773317	0.005836107	0.001019679	10.94149303	0.038957667	4.181441784	0.001019679	0.001019679	5.0984E-06	0.007800925	0.001067551	0.011436964	0.01566631	5.0984E-06	14.24474049	1.52949E-05	0.000199462	0.000121816
2028 Mar	46.6398468	0.073825255	0.005858668	0.001019897	10.96065235	0.038954146	4.187796593	0.001019897	0.001019897	5.09948E-06	0.007801453	0.001068919	0.0114366	0.015706809	5.09948E-06	14.27608967	1.53014E-05	0.000199832	0.000122544
2028 Apr	46.83537674	0.074098364	0.005890629	0.001023391	11.00758743	0.039080996	4.205190659	0.001023391	0.001023391	5.11696E-06	0.007827545	0.001073217	0.011474215	0.015781347	5.11696E-06	14.34078979	1.53556E-05	0.0002007	0.000123356
2028 May	47.56477737	0.07522364	0.005987418	0.001038851	11.17936134	0.03966504	4.270439148	0.001038851	0.001038851	5.19425E-06	0.007945357	0.001089818	0.011646399	0.016032621	5.19425E-06	14.56711769	1.55896E-05	0.00020385	0.00012547
2028 Jun	37.23692322	0.020718493	0.006770471	0.000987921	6.676576138	0.022845285	2.355851173	0.000987921	0.000987921	4.93961E-06	0.007390471	0.000889792	0.010078398	0.011909798	4.93961E-06	10.45604515	2.09509E-05	0.000197975	0.000104588
2028 Jul	36.75642395	0.011526548	0.006985945	0.001027849	6.285170078	0.022769226	2.20241189	0.001027849	0.001027849	5.13924E-06	0.007410074	0.000916061	0.010077192	0.011870702	5.13924E-06	10.23043251	2.12967E-05	0.000196133	0.000103554
2028 Aug	39.53651047	0.014473213	0.007290671	0.001091677	7.075067043	0.026365221	2.499667406	0.001091677	0.001091677	5.45839E-06	0.007663873	0.000993968	0.010833299	0.01294075	5.45839E-06	11.19125938	2.08885E-05	0.000204858	0.000109902
2028 Sep	42.67552567	0.037928484	0.006793439	0.001077335	8.616171837	0.0313843	3.16878581	0.001077335	0.001077335	5.38668E-06	0.007858167	0.001031295	0.011189776	0.014088548	5.38668E-06	12.45766258	1.92294E-05	0.000205362	0.000115106
2028 Oct	47.05561829	0.082674906	0.005584193	0.001011642	11.13636208	0.039131884	4.314190865	0.001011642	0.001011642	5.05821E-06	0.008113202	0.0010614	0.011276696	0.015739549	5.05821E-06	14.33828831	1.63223E-05	0.00019855	0.000122186
2028 Nov	47.82199097	0.087621473	0.005507135	0.001012586	11.46188927	0.040168077	4.456728935	0.001012586	0.001012586	5.06293E-06	0.008196739	0.001072012	0.011366807	0.016013959	5.06293E-06	14.62485981	1.6158E-05	0.000199326	0.000123759
2028 Dec	47.85475922	0.087738462	0.005508252	0.001013034	11.47202301	0.04020191	4.460925579	0.001013034	0.001013034	5.06517E-06	0.008201587	0.001072641	0.011373117	0.016025217	5.06517E-06	14.63572121	1.61623E-05	0.000199424	0.000123837
2029 Jan	47.91893768	0.087789267	0.005528573	0.001013012	11.48946381	0.040194079	4.466700554	0.001013012	0.001013012	5.06506E-06	0.008200441	0.00107377	0.011370578	0.016062098	5.06506E-06	14.66409588	1.61635E-05	0.000199741	0.000124523
2029 Feb	48.00143814	0.087823726	0.005556826	0.001013001	11.51098061	0.040176772	4.473584175	0.001013001	0.001013001	5.06501E-06	0.00819847	0.001075249	0.011366747	0.016110459	5.06501E-06	14.7008009	1.61668E-05	0.00020017	0.000125444
2029 Mar	48.05792236	0.087863557	0.00557356	0.001013238	11.52546883	0.040176965	4.478408813	0.001013238	0.001013238	5.06619E-06	0.00819936	0.001076314	0.011367382	0.016140684	5.06619E-06	14.72433472	1.61724E-05	0.000200451	0.000125977
2029 Apr	48.15171814	0.087998897	0.005590242	0.001014672	11.54850101	0.040228583	4.486899853	0.001014672	0.001014672	5.07336E-06	0.008210379	0.0010783	0.011382318	0.0161786	5.07336E-06	14.75662231	1.61964E-05	0.000200869	0.000126442
2029 May	49.08220291	0.088629894	0.005836551	0.001024172	11.76792717	0.040385745	4.560957432	0.001024172	0.001024172	5.12086E-06	0.008271355	0.001097079	0.011457831	0.016622137	5.12086E-06	15.11002827	1.6407E-05	0.000205587	0.000133543
2029 Jun	45.09918213	0.050927408	0.007316752	0.001008989	9.536008835	0.029700456	3.517047405	0.001008989	0.001008989	5.04495E-06	0.007779878	0.001028546	0.010583926	0.015499516	5.04495E-06	13.64012241	1.94566E-05	0.000216306	0.000146914
2029 Jul	34.95986176	0.010146791	0.006305472	0.000996081	6.446440697	0.026509866	2.364933014	0.000996081	0.000996081	4.98041E-06	0.00653536	0.000943896	0.009164279	0.012118535	4.98041E-06	10.14474964	1.64598E-05	0.0001659	0.000100575
2029 Aug	37.00198746	0.014540671	0.006182255	0.001032036	7.504068851	0.032534283	2.800991774	0.001032036	0.001032036	5.16018E-06	0.006247101	0.001029161	0.009613845	0.013302482	5.16018E-06	11.16513157	1.29059E-05	0.000160123	0.000103856
2029 Sep	40.83692551	0.036387544	0.006017018	0.00103559	8.971589088	0.036286145	3.38629508	0.00103559	0.00103559	5.17795E-06	0.006712378	0.001060545	0.010428723	0.014364943	5.17795E-06	12.47884083	1.28103E-05	0.000173064	0.000109839
2029 Oct	44.09285355	0.061758298	0.005649316	0.001019082	10.28329849	0.039049022	3.959619045	0.001019082	0.001019082	5.09541E-06	0.007282403	0.001072455	0.010792373	0.015252554	5.09541E-06	13.5713768	1.34883E-05	0.000181336	0.000116117
2029 Nov	45.00850677	0.068143755	0.005574175	0.001017744	10.6322937	0.039830361	4.110735416	0.001017744	0.001017744	5.08872E-06	0.007441547	0.001078227	0.010910245	0.015510769	5.08872E-06	13.87537193	1.36904E-05	0.000183846	0.000117966
2029 Dec	45.04376221	0.068309121	0.005574318	0.001018047	10.64359474	0.039860908	4.115467072	0.001018047	0.001018047	5.09024E-06	0.007447549	0.00107871	0.010916459	0.015521633	5.09024E-06	13.88672638	1.36994E-05	0.000183963	0.000118046
2030 Jan	45.11701965	0.068397544	0.005595765	0.001018025	10.66360283	0.03985355	4.12222147	0.001018025	0.001018025	5.09012E-06	0.007447721	0.001079904	0.010914665	0.015561696	5.09012E-06	13.91819954	1.37052E-05	0.000184327	0.000118783
2030 Feb	45.21474838	0.06846343	0.005626604	0.001018184	10.68898678	0.039842382	4.13053751	0.001018184	0.001018184	5.09092E-06	0.007447598	0.001081652	0.010912899	0.015616073	5.09092E-06	13.96016502	1.37132E-05	0.000184827	0.000119785
2030 Mar	45.28801346	0.068529673	0.005645889	0.001018722	10.7075491	0.039853983	4.136897564	0.001018722	0.001018722	5.09361E-06	0.007450834	0.001083083	0.010916779	0.015652604	5.09361E-06	13.98920631	1.37237E-05	0.000185181	0.000120384
2030 Apr	45.41603851	0.068697922	0.005667648	0.001020968	10.73852539	0.039936442	4.148402214	0.001020968	0.001020968	5.10484E-06	0.007466861	0.001085962	0.010939768	0.015703255	5.10484E-06	14.03241348	1.37558E-05	0.000185736	0.000120955
2030 May	46.22049713	0.069841869	0.005781031	0.00103786	10.92892742	0.040577035	4.220890522	0.00103786	0.00103786	5.1893E-06	0.007589655	0.00110483	0.011118232	0.01599385	5.1893E-06	14.28778076	1.39915E-05	0.000189115	0.000123568
2030 Jun	38.1730957	0.021196285	0.007061185	0.000988263	6.966431618	0.023050157	2.46182847	0.000988263	0.000988263	4.94131E-06	0.0073198	0.000913083	0.009966901	0.012550377	4.94131E-06	10.91659451	2.06536E-05	0.000200773	0.0001157
2030 Jul	35.28115463	0.010696812	0.006526923	0.000994128	6.30275774	0.02448028	2.266807795	0.000994128	0.000994128	4.97064E-06	0.006809153	0.000918659	0.009413585	0.01187314	4.97064E-06	10.06371784	1.82866E-05	0.000176797	0.000101207
2030 Aug	36.77916718	0.012946662	0.006370263	0.001033069	7.157770634	0.030220198	2.649543762	0.001033069	0.001033069	5.16535E-06	0.006503854	0.001006956	0.009592079	0.013000199	5.16535E-06	10.90822506	1.48645E-05	0.000166466	0.000104614
2030 Sep	39.09783173	0.020588012	0.006468751	0.001060292	7.911504269	0.032666951	2.936374426	0.001060292	0.001060292	5.30146E-06	0.006762174	0.001045967	0.010190222	0.013728674	5.30146E-06	11.68984795	1.47807E-05	0.00017506	0.000108856
2030 Oct	42.6257782	0.049708199	0.00595329	0.001033272	9.473747253	0.036353901	3.616531134	0.001033272	0.001033272	5.16636E-06	0.007265775	0.001058648	0.010579996	0.014732992	5.16636E-06	12.94449902	1.47416E-05	0.000181712	0.000114787
2030 Nov	44.0210495	0.060866565	0.005763881	0.0010242	10.08044815	0.037802342	3.880068779	0.0010242	0.0010242	5.121E-06	0.007466347	0.001064737	0.010741114	0.015133275	5.121E-06	13.43807697	1.47441E-05	0.000184463	0.000117184
2030 Dec	44.05584335	0.061049517	0.005762999	0.001024402	10.09261131	0.037835874	3.885189056	0.001024402	0.001024402	5.12201E-06	0.00747172	0.001065175	0.010746981	0.015144075	5.12201E-06	13.44968605	1.4749E-05	0.000184564	0.000117257
2031 Jan	44.13194656	0.061152123	0.005784395	0.001024374	10.11388111	0.03783223	3.892450333	0.001024374	0.001024374	5.12187E-06	0.007471896	0.001066413	0.01074553	0.015185354	5.12187E-06	13.48237133	1.4753E-05	0.000184932	0.000118006
2031 Feb	44.22397232	0.061213724	0.005814446	0.001024356	10.13823128	0.03781601	3.900366306	0.001024356	0.001024356	5.12178E-06	0.007470483	0.001068009	0.010742043	0.015238022	5.12178E-06	13.52282715	1.47579E-05	0.000185405	0.000118999
2031 Mar	44.28659821	0.06126456	0.005832463	0.001024635	10.15436172	0.03781784	3.905780554	0.001024635	0.001024635	5.12317E-06	0.00747182	0.00106918	0.010743173	0.015271022	5.12317E-06	13.54868889	1.47647E-05	0.000185716	0.000119574
2031 Apr	44.53152084	0.061582897	0.005870308	0.001029632	10.21153259	0.03799744	3.927318811	0.001029632	0.001029632	5.14816E-06	0.007507863	0.001074897	0.010794543	0.015362002	5.14816E-06	13.6274519	1.48383E-05	0.00018677	0.000120468
2031 May	52.25439072	0.063652232	0.008580751	0.001040283	12.07496262	0.035764538	4.502092838	0.001040283	0.001040283	5.20142E-06	0.007489649	0.001208591	0.010590124	0.019706884	5.20142E-06	16.93782234	1.60541E-05	0.000230449	0.000204558
2031 Jun	63.04329681	0.043224312	0.014625358	0.001001776	13.74955273	0.021485003	4.733884811	0.001001776	0.001001776	5.00888E-06	0.007069584	0.001356374	0.009299089	0.026570562	5.00888E-06	21.7752018	2.12333E-05	0.000321368	0.000371372
2031 Jul	59.23983765	0.036535468	0.013284736	0.001064955	12.52167892	0.023723545	4.338310719	0.001064955	0.001064955	5.32477E-06	0.007445711	0.001320974	0.009923602	0.02413303	5.32477E-06	19.86422539	2.17507E-05	0.000301037	0.000319011
2031 Aug	54.7194252	0.03416232	0.011340884	0.00107531	11.86511421	0.029530037	4.193554401	0.00107531	0.00107531	5.37655E-06	0.006985823	0.001288534	0.010239911	0.021917127	5.37655E-06	18.19162178	1.74079E-05	0.000262783	0.000263191
2031 Sep	51.33521271	0.060392376	0.008332788	0.00102776	11.99534607	0.036557917	4.409374237	0.00102776	0.00102776	5.1388E-06	0.007156618	0.001181682	0.011109389	0.019034689	5.1388E-06	16.62090492	1.43029E-05	0.00022963	0.000190596
2031 Oct	50.18280029	0.092540964	0.006041486	0.000990201	12.40639782	0.041250281	4.791470051	0.000990201	0.000990201	4.951E-06	0.007877495	0.001113076	0.011240853	0.017494835	4.951E-06	15.83963108	1.44729E-05	0.000206261	0.000148183
2031 Nov	50.30767059	0.094635151	0.005939456	0.000991859	12.47511673	0.041659627	4.830156326	0.000991859	0.000991859	4.95929E-06	0.007946139	0.001113505	0.011290012	0.017476473	4.95929E-06	15.85633659	1.45362E-05	0.000205761	0.00014643
2031 Dec	50.32435989	0.094722822	0.005937891	0.000992164	12.48039818	0.041682709	4.832566738	0.000992164	0.000992164	4.96082E-06	0.007950255	0.001113804	0.011294398	0.017480403	4.96082E-06	15.86091137	1.45418E-05	0.000205798	0.000146414
2032 Jan	50.39435577	0.09477029	0.005960439	0.000992207	12.49874973	0.04167214	4.838591576	0.000992207	0.000992207	4.96103E-06	0.007949647	0.001115047	0.011291967	0.017520236	4.96103E-06	15.89142704	1.45467E-05	0.000206154	0.000147159
2032 Feb	50.48740768	0.094803631	0.005992659	0.000992219	12.52265453	0.04165091	4.846194744	0.000992219	0.000992219	4.9611E-06	0.007947658	0.001116719	0.011287679	0.017574714	4.9611E-06	15.93266964	1.45522E-05	0.000206643	0.000148201
2032 Mar	50.55514908	0.094854347	0.006012155	0.000992568	12.53990269	0.041653782	4.851978302	0.000992568	0.000992568	4.96284E-06	0.007949322	0.001118009	0.011289248	0.017610243	4.96284E-06	15.9604702	1.45602E-05	0.00020698	0.000148816

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Apr	50.72753525	0.095135227	0.006039031	0.000995406	12.58291054	0.041766312	4.868122578	0.000995406	0.000995406	4.97703E-06	0.00797142	0.001121705	0.01132019	0.01767694	4.97703E-06	16.01846886	1.46034E-05	0.000207718	0.000149555
2032 May	51.86760712	0.096207015	0.006303882	0.001009521	12.85426331	0.042124696	4.962795258	0.001009521	0.001009521	5.0476E-06	0.00807018	0.00114522	0.011449434	0.018187178	5.0476E-06	16.43467331	1.48804E-05	0.000213258	0.000157052
2032 Jun	40.29717636	0.026181258	0.007554981	0.000981871	7.603589535	0.023041662	2.687373877	0.000981871	0.000981871	4.90935E-06	0.007360805	0.00094069	0.009950131	0.013622173	4.90935E-06	11.809412	2.08128E-05	0.000210839	0.00013484
2032 Jul	33.80988693	0.009315329	0.006064109	0.000967834	6.2891922	0.026327755	2.320084333	0.000967834	0.000967834	4.83917E-06	0.006249629	0.00092449	0.008810235	0.011841563	4.83917E-06	9.867041588	1.53967E-05	0.000157595	9.75962E-05
2032 Aug	37.07362747	0.018185586	0.005978536	0.00100305	7.836638927	0.033599041	2.904284	0.00100305	0.00100305	5.01525E-06	0.005964939	0.001014239	0.009808799	0.013258832	5.01525E-06	11.32027531	1.12007E-05	0.000159325	0.000100781
2032 Sep	40.16576004	0.030522101	0.006028363	0.001020557	8.960849762	0.03685851	3.311685324	0.001020557	0.001020557	5.10278E-06	0.00621252	0.00104943	0.010731061	0.014109422	5.10278E-06	12.38960743	1.06003E-05	0.000172295	0.000104614
2032 Oct	41.80368805	0.041156925	0.005934376	0.001024212	9.530691147	0.03812268	3.565045834	0.001024212	0.001024212	5.12106E-06	0.006542233	0.001063602	0.010914151	0.014590035	5.12106E-06	12.91314697	1.12262E-05	0.000176885	0.000108493
2032 Nov	42.57377625	0.047004677	0.005859511	0.001022504	9.817062378	0.038695481	3.694846392	0.001022504	0.001022504	5.11252E-06	0.006704145	0.001067681	0.010977257	0.014807447	5.11252E-06	13.16094685	1.15379E-05	0.000178823	0.000110281
2032 Dec	43.21533585	0.053039905	0.005755037	0.001016377	10.08096695	0.039143082	3.817642689	0.001016377	0.001016377	5.08189E-06	0.006848496	0.001067532	0.010998296	0.014976832	5.08189E-06	13.36965752	1.18216E-05	0.000180136	0.000111723
2033 Jan	43.35910034	0.053255353	0.00579473	0.001016356	10.12040043	0.039132137	3.831308365	0.001016356	0.001016356	5.08178E-06	0.006850853	0.001069823	0.010994823	0.015053869	5.08178E-06	13.43048	1.18386E-05	0.000180833	0.000113127
2033 Feb	43.53866577	0.053392492	0.005851383	0.001016523	10.16730881	0.03910714	3.846764088	0.001016523	0.001016523	5.08261E-06	0.00685055	0.001072966	0.010989974	0.015154312	5.08261E-06	13.50789547	1.18548E-05	0.00018175	0.000114995
2033 Mar	43.68562317	0.053527407	0.005888868	0.001017759	10.20433998	0.039137553	3.859524965	0.001017759	0.001017759	5.08879E-06	0.006858101	0.001075889	0.010999708	0.015226156	5.08879E-06	13.56532478	1.18769E-05	0.000182454	0.000116143
2033 Apr	44.01120758	0.053900506	0.005942874	0.001024091	10.28194046	0.039371289	3.888162613	0.001024091	0.001024091	5.12046E-06	0.00690033	0.001083508	0.011066078	0.015351439	5.12046E-06	13.67317867	1.19552E-05	0.000183866	0.000117442
2033 May	65.19016266	0.061117485	0.013621987	0.001019758	15.32370758	0.030821007	5.441816807	0.001019758	0.001019758	5.09879E-06	0.006842423	0.001431035	0.009948366	0.02749774	5.09879E-06	22.83235168	1.6257E-05	0.000306042	0.000360313
2033 Jun	58.0615387	0.035798524	0.013557578	0.000964341	12.36102009	0.019543312	4.22827673	0.000964341	0.000964341	4.82171E-06	0.006838667	0.001256017	0.008983066	0.024132721	4.82171E-06	19.79647064	2.10056E-05	0.000300899	0.000334931
2033 Jul	50.85650253	0.026493931	0.011145319	0.001012231	10.41718197	0.022991883	3.625835657	0.001012231	0.001012231	5.06115E-06	0.006960744	0.00117599	0.009375694	0.020174384	5.06115E-06	16.626297	1.99547E-05	0.00025759	0.000252989
2033 Aug	51.59032822	0.026713882	0.010925949	0.001066746	10.70974922	0.026725439	3.774795055	0.001066746	0.001066746	5.33373E-06	0.007071253	0.001229472	0.009843267	0.020432942	5.33373E-06	16.84449005	1.89331E-05	0.000252954	0.000245252
2033 Sep	50.09021759	0.064347945	0.007823336	0.001019131	11.59649849	0.035784889	4.322308064	0.001019131	0.001019131	5.09566E-06	0.007443916	0.001148469	0.010828116	0.018294225	5.09566E-06	15.9928093	1.56509E-05	0.000222392	0.000179417
2033 Oct	49.59905624	0.100831501	0.005388957	0.000978041	12.41242599	0.042169444	4.859635353	0.000978041	0.000978041	4.8902E-06	0.008090509	0.001088776	0.011203141	0.016962212	4.8902E-06	15.51219845	1.47371E-05	0.000199003	0.000135726
2033 Nov	49.98755264	0.10418351	0.005268404	0.000983555	12.57382774	0.042964738	4.937719822	0.000983555	0.000983555	4.91777E-06	0.008203557	0.001093961	0.011324113	0.0170155	4.91777E-06	15.61134911	1.48001E-05	0.000199098	0.000133895
2033 Dec	50.01183701	0.104252852	0.005269774	0.000984017	12.58040524	0.042989004	4.940411568	0.000984017	0.000984017	4.92008E-06	0.008207905	0.001094468	0.011329857	0.017023183	4.92008E-06	15.61876869	1.48069E-05	0.000199184	0.000133939
2034 Jan	50.07587814	0.104280435	0.005291277	0.000984077	12.59688568	0.042977598	4.945702076	0.000984077	0.000984077	4.92038E-06	0.008206984	0.00109563	0.011327689	0.017060015	4.92038E-06	15.64682102	1.4811E-05	0.000199517	0.000134632
2034 Feb	50.16094971	0.104305588	0.005320789	0.000984131	12.61857224	0.042959068	4.952567101	0.000984131	0.000984131	4.92065E-06	0.008205282	0.001097178	0.011324242	0.017109616	4.92065E-06	15.68437958	1.48162E-05	0.000199966	0.000135578
2034 Mar	50.22541046	0.104356974	0.005338789	0.000984516	12.63494492	0.042964488	4.958096027	0.000984516	0.000984516	4.92258E-06	0.008207317	0.001098418	0.011326455	0.017142821	4.92258E-06	15.71050644	1.48243E-05	0.000200284	0.000136142
2034 Apr	50.51156616	0.104904272	0.005375588	0.000989622	12.70702076	0.043180812	4.985866547	0.000989622	0.000989622	4.94811E-06	0.008249212	0.001104578	0.011383929	0.017246902	4.94811E-06	15.80343056	1.49026E-05	0.000201459	0.00013714
2034 May	58.3647728	0.10009791	0.008572272	0.001006773	14.43043613	0.039695486	5.468900681	0.001006773	0.001006773	5.03386E-06	0.008094624	0.001252119	0.011034143	0.021923089	5.03386E-06	19.24196625	1.62698E-05	0.000249114	0.000231174
2034 Jun	62.24566269	0.04257727	0.014516791	0.000981675	13.55058765	0.020589696	4.655771732	0.000981675	0.000981675	4.90838E-06	0.00697001	0.001332833	0.009118961	0.026247727	4.90838E-06	21.50806808	2.11749E-05	0.000318837	0.000368914
2034 Jul	47.52885056	0.024137508	0.009900129	0.001011157	9.873426437	0.026239512	3.52200675	0.001011157	0.001011157	5.05578E-06	0.006600264	0.001159558	0.009094203	0.018894168	5.05578E-06	15.49262142	1.71953E-05	0.000227459	0.000221895
2034 Aug	49.54118347	0.026142089	0.009969025	0.001076872	10.45565701	0.030020148	3.752062559	0.001076872	0.001076872	5.38436E-06	0.006855922	0.001226696	0.009868388	0.019551102	5.38436E-06	16.12342834	1.67023E-05	0.000231973	0.000220292
2034 Sep	49.59593582	0.065473676	0.007506586	0.001028956	11.52334118	0.036904067	4.347593307	0.001028956	0.001028956	5.14478E-06	0.007492039	0.001156837	0.010678393	0.018155644	5.14478E-06	15.80487156	1.54032E-05	0.000214224	0.000173629
2034 Oct	49.46780777	0.09833163	0.005485566	0.000982506	12.32296181	0.041932303	4.821707726	0.000982506	0.000982506	4.91253E-06	0.008047021	0.001094147	0.011128603	0.017010121	4.91253E-06	15.48705196	1.473E-05	0.000198547	0.000137398
2034 Nov	49.71539688	0.100188956	0.005430284	0.000985613	12.41892147	0.042353962	4.865901947	0.000985613	0.000985613	4.92806E-06	0.008111036	0.001097155	0.011204052	0.017049843	4.92806E-06	15.55311394	1.47776E-05	0.000198916	0.000136607
2034 Dec	49.74305344	0.10027279	0.005431602	0.000986124	12.42653561	0.042381883	4.869021893	0.000986124	0.000986124	4.93062E-06	0.008116038	0.001097715	0.011210691	0.017058395	4.93062E-06	15.56153011	1.47852E-05	0.000199014	0.000136652
2035 Jan	49.80384827	0.100304648	0.00545168	0.000986172	12.44231796	0.042371798	4.874118328	0.000986172	0.000986172	4.93086E-06	0.008115265	0.001098804	0.011208762	0.017093126	4.93086E-06	15.58810234	1.47891E-05	0.000199328	0.000137304
2035 Feb	49.88633347	0.100335009	0.005479696	0.000986254	12.46340466	0.042356145	4.880842686	0.000986254	0.000986254	4.93127E-06	0.008113996	0.001100305	0.011205967	0.017140668	4.93127E-06	15.62425518	1.47945E-05	0.000199761	0.000138202
2035 Mar	49.94288635	0.10037484	0.005496244	0.000986528	12.47779465	0.04235743	4.885642052	0.000986528	0.000986528	4.93264E-06	0.008115186	0.001101379	0.011207042	0.017170569	4.93264E-06	15.6475935	1.48009E-05	0.000200043	0.000138724
2035 Apr	50.19363785	0.100836635	0.005529736	0.000990999	12.54059219	0.042543445	4.909752846	0.000990999	0.000990999	4.955E-06	0.008151364	0.001106809	0.011256677	0.017262749	4.955E-06	15.72936821	1.48692E-05	0.00020108	0.000139629
2035 May	53.84732056	0.100714453	0.006789899	0.001011235	13.36992741	0.041881751	5.163650513	0.001011235	0.001011235	5.05617E-06	0.008214267	0.001177251	0.011292255	0.019248283	5.05617E-06	17.23735237	1.55896E-05	0.000221698	0.000176503
2035 Jun	42.15459442	0.020083711	0.008801249	0.000968736	7.877810001	0.020042969	2.710731983	0.000968736	0.000968736	4.84368E-06	0.007138242	0.000971931	0.009524086	0.01504281	4.84368E-06	12.74854183	2.14145E-05	0.000226554	0.000170054
2035 Jul	37.91933441	0.012577071	0.00741451	0.001014519	6.654208183	0.022341954	2.325221539	0.001014519	0.001014519	5.07259E-06	0.007275656	0.000934735	0.00986609	0.012680946	5.07259E-06	10.83126926	2.09961E-05	0.000201295	0.000119965
2035 Aug	40.40731049	0.020817513	0.007150454	0.001040498	7.997495174	0.029232338	2.834675074	0.001040498	0.001040498	5.20249E-06	0.006953773	0.001005804	0.010809541	0.013704432	5.20249E-06	11.97760105	1.67753E-05	0.000200035	0.000117504
2035 Sep	46.00432205	0.07251174	0.005721015	0.000993998	11.00575733	0.039375488	4.176242352	0.000993998	0.000993998	4.96999E-06	0.007420402	0.001052632	0.011470853	0.015507378	4.96999E-06	14.19741821	1.35714E-05	0.000196422	0.000118935
2035 Oct	48.48143387	0.095544659	0.005220395	0.000985521	12.06472015	0.042260978	4.701877117	0.000985521	0.000985521	4.9276E-06	0.007975928	0.00107416	0.011438734	0.016331322	4.9276E-06	15.04322147	1.4261E-05	0.000196177	0.000124108
2035 Nov	48.71933746	0.10047853	0.005057251	0.000975885	12.23278141	0.042647	4.795154572	0.000975885	0.000975885	4.87942E-06	0.008051474	0.001071226	0.011343195	0.016408883	4.87942E-06	15.13602734	1.43213E-05	0.000194614	0.00012443
2035 Dec	48.75969315	0.100618206	0.005059052	0.00097651	12.2442894	0.042684581	4.800014019	0.00097651	0.00097651	4.88255E-06	0.008058603	0.001072009	0.011350673	0.016422441	4.88255E-06	15.14880466	1.43331E-05	0.000194743	0.000124529
2036 Jan	48.84754562	0.10066022	0.005088477	0.000976573	12.26694012	0.042668302	4.807327271	0.000976573	0.000976573	4.88287E-06	0.008057406	0.001073596	0.011347285	0.016473111	4.88287E-06	15.18732929	1.43391E-05	0.000195198	0.000125486
2036 Feb	48.96326828	0.100694314	0.005128899	0.000976612	12.29646873	0.04264136	4.816672802	0.000976612	0.000976612	4.88306E-06	0.008054885	0.001075693	0.011342032	0.016540974	4.88306E-06	15.23861217	1.43461E-05	0.00019581	0.000126785
2036 Mar	49.0266304	0.100714244	0.005150857	0.000976647	12.31263351	0.042627398	4.821802139	0.000976647	0.000976647	4.88324E-06	0.008053637	0.001076844	0.011339353	0.016577957	4.88324E-06	15.26659775	1.43501E-05	0.000196144	0.000127491
2036 Apr	49.74893951	0.101416022	0.00533529	0.000982331	12.49582577	0.042765558	4.88502121	0.000982331	0.000982331	4.91165E-06	0.008089602	0.001091002	0.011383449	0.016932556	4.91165E-06	15.55007744	1.44583E-05	0.000199606	0.000133204
2036 May	52.2616806	0.103668272	0.005974139	0.001005185	13.11647511	0.043277215	5.098459244	0.001005185	0.001005185	5.02593E-06	0.008237942	0.00114098	0.011568187	0.018141499	5.02593E-06	16.51842499	1.49162E-05	0.000211843	0.000152422
2036 Jun	41.46969604	0.027196862	0.007904266	0.000985809	7.897782326	0.022940511	2.785085917	0.000985809	0.000985809	4.92905E-06	0.007391882	0.000961228	0.009955763	0.014239448	4.92905E-06	12.29171085	2.10179E-05	0.000216941	0.00014601
2036 Jul	35.97787476	0.011525271	0.006540041	0.001007571	6.661864281	0.026557349	2.434390306	0.001007571	0.001007571	5.03786E-06	0.006672696	0.000959025	0.00932721	0.012492646	5.03786E-06	10.47840977	1.69873E-05	0.000172214	0.000106455
2036 Aug	38.19699097	0.01362773	0.006710605	0.001064203	7.377455711	0.030436652	2.722800493	0.001064203	0.001064203	5.32102E-06	0.006787136	0.00103634	0.009865857	0.01349774	5.32102E-06	11.31757069	1.59447E-05	0.000175098	0.000111486
2036 Sep	41.50468826	0.036699124	0.006309787	0.001045618	8.913403511	0.034796871	3.338067293	0.001045618	0.001045618	5.22809E-06	0.007010315	0.001055405	0.010599123	0.014410189	5.22809E-06	12.55638695	1.45805E-05	0.000182855	0.000113963
2036 Oct	46.06798172	0.076650567	0.00552835	0.001007567	10.97629166	0.039782789	4.255441189	0.001007567	0.001007567	5.03783E-06	0.007712953	0.00107068	0.011020612	0.015709242	5.03783E-06	14.17516518	1.4613E-05	0.000189601	0.000121022
2036 Nov	46.69118881	0.082193971	0.005418046	0.001001998	11.26064873	0.040466532	4.382063389	0.001001998	0.001001998	5.00999E-06	0.007808746	0.001072521	0.011076367	0.01588596	5.00999E-06	14.39681911	1.46136E-05	0.00019049	0.000121973
2036 Dec	46.8653717	0.083929181	0.005379582	0.00009965	11.34572887	0.040663637	4.420301437	0.00099965	0.00099965	4.99825E-06	0.007835167	0.001072514	0.011088101	0.015933875	4.99825E-06	14.4600029	1.46056E-05	0.000190669	0.00012221
2037 Jan	46.98147583	0.084032372	0.005415258	0.000999713	11.37678719	0.040651277	4.430620193	0.000999713	0.000999713	4.99856E-06	0.007834711	0.001074524	0.011085215	0.015998578	4.99856E-06	14.51021385	1.46131E-05	0.000191251	0.000123403
2037 Feb	47.13034439	0.08410766	0.005464575	0.00099984	11.41530514	0.040626086	4.443043232	0.00099984	0.00099984	4.9992E-06	0.007832863	0.001077197	0.011080471	0.016083658	4.9992E-06	14.5752449	1.46229E-05	0.000192023	0.000125001
2037 Mar	47.26483536	0.084243655	0.005497687	0.001001037	11.44922733	0.040658131	4.454842091	0.001001037	0.001001037	5.00518E-06	0.007840686	0.001079872	0.011090374	0.016148286	5.00518E-06	14.62721634	1.46447E-05	0.000192662	0.000126016
2037 Apr	47.46630859	0.084543519	0.005531096	0.001004361	11.49879742	0.040783677	4.473330975	0.001004361	0.001004361	5.02181E-06	0.007865834	0.001084248	0.011125283	0.016227787	5.02181E-06	14.69547749	1.46958E-05	0.000193535	0.000126927
2037 May	68.04224396	0.077276066	0.013832458	0.001004735	16.20899963	0.030882053	5.821014404	0.001004735	0.001004735	5.02368E-06	0.007312057	0.001447086	0.009865087	0.028600704	5.02368E-06	23.84326744	1.78861E-05	0.000317453	0.000379009
2037 Jun	61.02384567	0.039621823	0.014344725	0.000970356	13.19295406	0.019827517	4.51833725	0.000970356	0.000970356	4.85178E-06	0.006863824	0.001309529	0.0089793	0.025725275	4.85178E-06	21.05495644	2.10707E-05	0.000314282	0.000362366
2037 Jul	53.65005493	0.02962392	0.011908646	0.001026288	11.09822083	0.022867875	3.849804878	0.001026288	0.001026288	5.13144E-06	0.00711848	0.001220986	0.009527827	0.021499941	5.13144E-06	17.70768356	2.06888E-05	0.000273045	0.000276262
2037 Aug	53.83234787	0.031135248	0.011438945	0.001065188	11.3528614	0.026764702	3.972172737	0.001065188	0.001065188	5.32594E-06	0.007141432	0.001250718	0.010149376	0.021332569	5.32594E-06	17.70873642	1.91388E-05	0.000266943	0.000260682
2037 Sep	53.71110916	0.044205885	0.010322141	0.001070128	11.7794733	0.031154348	4.206470966	0.001070128	0.001070128	5.35064E-06	0.007339541	0.001239227	0.010794753	0.020642323	5.35064E-06	17.50620461	1.77651E-05	0.000257112	0.000234356
2037 Oct	51.81367874	0.075146697	0.007735625	0.001024152	12.19249916	0.037144564	4.583539009	0.001024152	0.001024152	5.12076E-06	0.007781395	0.001163835	0.011051817	0.018791541	5.12076E-06	16.54235077	1.62633E-05	0.000227493	0.000183233
2037 Nov	51.70523453	0.080075867	0.007371725	0.001020729	12.29673767	0.038176492	4.656209469	0.001020729	0.001020729	5.10365E-06	0.007874832	0.001156452	0.011128591	0.018576695	5.10365E-06	16.45367241	1.60925E-05	0.000223803	0.000176145
2037 Dec	51.73581314	0.080234796	0.007368459	0.001021305	12.30685711	0.038223408	4.660768032	0.001021305	0.001021305	5.10652E-06	0.007881896	0.001157028	0.011137365	0.018583832	5.10652E-06	16.46221733	1.6099E-05	0.000223865	0.000176102
2038 Jan	51.79858398	0.080304705	0.00738679	0.00102132	12.3242054	0.038220596	4.666674137	0.00102132	0.00102132	5.1066E-06	0.007881653	0.001158117	0.011135693	0.018618776	5.1066E-06	16.48945618	1.61012E-05	0.000224164	0.000176735
2038 Feb	51.88277817	0.08034993	0.007414807	0.001021335	12.34628201	0.03820559	4.673820019	0.001021335	0.001021335	5.10667E-06	0.007880145	0.001159621	0.011132278	0.018667486	5.10667E-06	16.52660751	1.61052E-05	0.000224596	0.000177655
2038 Mar	51.94015503	0.080392346	0.007431724	0.001021569	12.3610487	0.038205855	4.678750515	0.001021569	0.001021569	5.10784E-06	0.007881064	0.001160697	0.011132878	0.018698175	5.10784E-06	16.55051994	1.6111E-05	0.000224881	0.000178195
2038 Apr	52.12720871	0.080655433	0.00746345	0.001024738	12.40619946	0.038319543	4.695464134	0.001024738	0.001024738	5.12369E-06	0.007905008	0.00116476	0.011166304	0.018771231	5.12369E-06	16.61333084	1.61621E-05	0.000225712	0.000179033
2038 May	60.46899033	0.079234801	0.010671968	0.001031801	14.35339355	0.035034422	5.272586823	0.001031801	0.001031801	5.15901E-06	0.007747402	0.001314847	0.010743915	0.023704456	5.15901E-06	20.28259277	1.73912E-05	0.000274163	0.000277288
2038 Jun	64.11967468	0.04331008	0.015095402	0.000992121	14.01293564	0.020576961	4.806144714	0.000992121	0.000992121	4.96061E-06	0.007001987	0.001369598	0.009158138	0.027250301	4.96061E-06	22.283144	2.13927E-05	0.000328464	0.000386572
2038 Jul	60.24258041	0.036476586	0.013707858	0.00106643	12.66593742	0.022629423	4.359989166	0.00106643	0.00106643	5.33215E-06	0.007541037	0.001328049	0.009980247	0.024557685	5.33215E-06	20.21569443	2.26E-05	0.000310268	0.000329458
2038 Aug	59.55425262	0.038553424	0.012758655	0.001107835	12.8306675	0.028010093	4.457794189	0.001107835	0.001107835	5.53918E-06	0.007498242	0.001344507	0.010886715	0.023780903	5.53918E-06	19.84497643	2.00863E-05	0.000297892	0.000298492
2038 Sep	56.94302368	0.056242198	0.010610825	0.001080726	12.82495117	0.03301331	4.603563786	0.001080726	0.001080726	5.40363E-06	0.007646208	0.0012789	0.011254326	0.021824487	5.40363E-06	18.67604637	1.80615E-05	0.000270508	0.000248658
2038 Oct	54.44892502	0.077516899	0.008417445	0.001045074	12.83533382	0.037453461	4.788479328	0.001045074	0.001045074	5.22537E-06	0.007939112	0.00120864	0.011356045	0.019958979	5.22537E-06	17.53159714	1.68106E-05	0.00024234	0.000202165
2038 Nov	54.4466095	0.079155743	0.008297505	0.001045838	12.87436581	0.03785906	4.81501627	0.001045838	0.001045838	5.22919E-06	0.007982204	0.001207603	0.011396699	0.019895205	5.22919E-06	17.50827026	1.6778E-05	0.0002412	0.000199694
2038 Dec	54.4475708	0.07932584	0.008285367	0.001045939	12.87865925	0.037901554	4.817846682	0.001045939	0.001045939	5.2297E-06	0.007986807	0.001207524	0.011401126	0.019889094	5.2297E-06	17.50625801	1.67751E-05	0.000241089	0.000199444
2039 Jan	54.51007843	0.079402313	0.008303509	0.001045895	12.89629078	0.037898507	4.823912621	0.001045895	0.001045895	5.22948E-06	0.007986231	0.001208598	0.011398655	0.019924419	5.22948E-06	17.53371811	1.6776E-05	0.000241379	0.000200088
2039 Feb	54.59802628	0.079450771	0.008332957	0.001045868	12.91950893	0.037881747	4.831442356	0.001045868	0.001045868	5.22934E-06	0.007984335	0.001210163	0.011394472	0.019975778	5.22934E-06	17.57279587	1.67794E-05	0.000241828	0.000201062

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Mar	54.69108582	0.079542831	0.0083559	0.001046716	12.94284344	0.03790389	4.839539051	0.001046716	0.001046716	5.23358E-06	0.007989896	0.001212016	0.011401602	0.020020289	5.23358E-06	17.60862541	1.67951E-05	0.000242273	0.000201759
2039 Apr	54.89070511	0.079808414	0.00839138	0.001050004	12.99083138	0.038018048	4.857123852	0.001050004	0.001050004	5.25002E-06	0.008014468	0.00121632	0.011436207	0.020099323	5.25002E-06	17.67624474	1.6849E-05	0.000243176	0.000202697
2039 May	56.17274094	0.08096762	0.008690402	0.001066227	13.29372692	0.038421124	4.962525845	0.001066227	0.001066227	5.33113E-06	0.008127321	0.001242873	0.011584977	0.020671103	5.33113E-06	18.14263153	1.71684E-05	0.000249441	0.00021108
2039 Jun	38.79479599	0.02187028	0.007274763	0.000988423	7.079448223	0.022540243	2.48797369	0.000988423	0.000988423	4.94211E-06	0.007385848	0.000916599	0.010018379	0.01279093	4.94211E-06	11.1309433	2.11211E-05	0.000206043	0.000121257
2039 Jul	34.23843765	0.009249827	0.005999492	0.000987385	6.55206871	0.028566075	2.454852819	0.000987385	0.000987385	4.93693E-06	0.006136214	0.000963835	0.00877195	0.012298673	4.93693E-06	10.1475544	1.41295E-05	0.000151633	9.92939E-05
2039 Aug	36.71759033	0.015856655	0.005525913	0.001030288	8.271159172	0.039450128	3.203042269	0.001030288	0.001030288	5.15144E-06	0.005347812	0.001107209	0.009108785	0.01423867	5.15144E-06	11.70457172	6.69212E-06	0.000130598	0.000103122
2039 Sep	40.40495682	0.034963977	0.005567932	0.00104017	9.442004204	0.041397694	3.646545887	0.00104017	0.00104017	5.20085E-06	0.006001616	0.001123513	0.010006839	0.015047057	5.20085E-06	12.81356621	8.09621E-06	0.00014979	0.000109207
2039 Oct	42.95900345	0.054328434	0.005407741	0.001026803	10.30591011	0.042172041	4.010164738	0.001026803	0.001026803	5.13402E-06	0.006610221	0.001116579	0.010388019	0.015540396	5.13402E-06	13.5484066	9.80472E-06	0.00016193	0.000114086
2039 Nov	43.1784668	0.055105824	0.005420443	0.001029743	10.36634064	0.042333793	4.034529686	0.001029743	0.001029743	5.14872E-06	0.00665067	0.001120012	0.010433762	0.015606445	5.14872E-06	13.61543083	9.88968E-06	0.000162835	0.00011461
2039 Dec	43.22153854	0.055271246	0.005422554	0.001030261	10.3784008	0.042364158	4.039411545	0.001030261	0.001030261	5.15131E-06	0.00665878	0.001120627	0.010442552	0.015619067	5.15131E-06	13.62852955	9.90725E-06	0.000163014	0.000114711
2040 Jan	43.27716064	0.055352114	0.005438381	0.001030225	10.39330101	0.042355441	4.044422626	0.001030225	0.001030225	5.15113E-06	0.006659882	0.001121442	0.010441806	0.015648125	5.15113E-06	13.65177727	9.91622E-06	0.000163306	0.000115253
2040 Feb	43.34651566	0.055403017	0.005460749	0.001030247	10.41127777	0.042342179	4.050250053	0.001030247	0.001030247	5.15123E-06	0.006659643	0.001122611	0.010439855	0.015686844	5.15123E-06	13.68170452	9.92338E-06	0.000163672	0.000115984
2040 Mar	43.42368317	0.055481207	0.00547785	0.0010312	10.43052387	0.042373691	4.057106495	0.0010312	0.0010312	5.156E-06	0.006665599	0.001124271	0.010448338	0.015722143	5.156E-06	13.71040916	9.93632E-06	0.00016402	0.000116486
2040 Apr	43.58504868	0.055675995	0.005502316	0.001034541	10.46968174	0.042506725	4.071986198	0.001034541	0.001034541	5.17271E-06	0.006687083	0.00112826	0.010481541	0.015784672	5.17271E-06	13.76377964	9.97062E-06	0.000164661	0.000117084
2040 May	50.32886505	0.058196951	0.007865475	0.001043893	12.03842926	0.040093448	4.548743725	0.001043893	0.001043893	5.21947E-06	0.006775504	0.001236939	0.010353118	0.01945697	5.21947E-06	16.58540726	1.16012E-05	0.000204747	0.000189391
2040 Jun	51.16174316	0.028415514	0.011480461	0.000974239	10.39227486	0.019995475	3.562532425	0.000974239	0.000974239	4.8712E-06	0.007002857	0.001136987	0.009282894	0.020159023	4.8712E-06	16.71179199	2.12358E-05	0.000268486	0.000261922
2040 Jul	45.26093292	0.020306651	0.009544942	0.001020703	8.679870605	0.02222441	3.010028124	0.001020703	0.001020703	5.10352E-06	0.007250641	0.001063526	0.009761318	0.016722614	5.10352E-06	13.99982262	2.11807E-05	0.000236553	0.00019246
2040 Aug	45.29905701	0.021670729	0.008983997	0.001054578	9.060708046	0.027209077	3.207663774	0.001054578	0.001054578	5.27289E-06	0.007055639	0.001109182	0.010130044	0.016813558	5.27289E-06	14.11635208	1.83859E-05	0.00022358	0.000179182
2040 Sep	46.13631439	0.034978006	0.008120709	0.00104769	9.93185997	0.032374661	3.562851906	0.00104769	0.00104769	5.23845E-06	0.006967521	0.001110686	0.010987015	0.016643176	5.23845E-06	14.43771839	1.55461E-05	0.000218651	0.000160436
2040 Oct	47.3812027	0.051713202	0.007485555	0.001041719	10.62876606	0.035208065	3.914852142	0.001041719	0.001041719	5.20859E-06	0.007323728	0.001115031	0.01117336	0.016829669	5.20859E-06	14.80910969	1.54921E-05	0.000215543	0.00015457
2040 Nov	47.64452744	0.053640697	0.007438431	0.001043952	10.73238277	0.035607286	3.963182688	0.001043952	0.001043952	5.21976E-06	0.007381899	0.001118566	0.011224019	0.016895929	5.21976E-06	14.88952255	1.5529E-05	0.000215805	0.00015437
2040 Dec	47.66894531	0.053806271	0.007434774	0.001044188	10.74163437	0.035642672	3.967451334	0.001044188	0.001044188	5.22094E-06	0.007387154	0.001118916	0.01122881	0.016902294	5.22094E-06	14.89699554	1.55328E-05	0.000215837	0.00015436
2041 Jan	47.72677231	0.05389991	0.00744968	0.001044219	10.75808811	0.035645567	3.973281384	0.001044219	0.001044219	5.2211E-06	0.007387973	0.00111989	0.011227889	0.016933247	5.2211E-06	14.92154503	1.55361E-05	0.000216097	0.000154902
2041 Feb	47.79988098	0.05395763	0.007472492	0.001044282	10.77748775	0.035637647	3.979721069	0.001044282	0.001044282	5.22141E-06	0.007387582	0.001121189	0.011225821	0.016974399	5.22141E-06	14.95325375	1.55407E-05	0.000216462	0.000155661
2041 Mar	47.87365723	0.05402739	0.007490229	0.001045058	10.79571056	0.035658631	3.986055613	0.001045058	0.001045058	5.22529E-06	0.007392615	0.001122693	0.011232665	0.017008873	5.22529E-06	14.98114967	1.55542E-05	0.000216814	0.000156185
2041 Apr	48.0135498	0.054177556	0.007515652	0.001047635	10.82816219	0.035743438	3.99781251	0.001047635	0.001047635	5.23818E-06	0.007410584	0.001125845	0.011259512	0.017063294	5.23818E-06	15.02767181	1.55937E-05	0.000217458	0.000156804
2041 May	50.18977356	0.055378608	0.008191114	0.001057886	11.35522461	0.035548609	4.169758797	0.001057886	0.001057886	5.28943E-06	0.007467665	0.001166162	0.011280953	0.018218435	5.28943E-06	15.92010593	1.59917E-05	0.000228955	0.000177676
2041 Jun	38.73349762	0.019979842	0.007321306	0.000990846	7.079504967	0.022783319	2.479542017	0.000990846	0.000990846	4.95423E-06	0.00728556	0.000922561	0.0100312	0.012845259	4.95423E-06	11.15487766	2.06663E-05	0.000205297	0.000121703
2041 Jul	34.5762558	0.00956342	0.006382679	0.00098266	6.187344074	0.024523903	2.233673573	0.00098266	0.00098266	4.9133E-06	0.006649111	0.000910936	0.009223307	0.011704555	4.9133E-06	9.882071495	1.76502E-05	0.000171443	9.88095E-05
2041 Aug	37.14305115	0.01303892	0.006532195	0.001038784	7.095267296	0.029177826	2.592964649	0.001038784	0.001038784	5.19392E-06	0.006706176	0.000995434	0.009862355	0.012862728	5.19392E-06	10.89147854	1.60388E-05	0.000174487	0.000104341
2041 Sep	39.86709976	0.026097562	0.006439679	0.001046774	8.214261055	0.032738589	3.021965742	0.001046774	0.001046774	5.23387E-06	0.006854569	0.001029475	0.010566859	0.013704432	5.23387E-06	11.90288448	1.49284E-05	0.000182364	0.000107742
2041 Oct	42.66804504	0.048117619	0.00606206	0.001033201	9.423382759	0.035818227	3.558044672	0.001033201	0.001033201	5.166E-06	0.007264009	0.001048431	0.010826948	0.014575587	5.166E-06	12.90490246	1.49234E-05	0.000186583	0.000113257
2041 Nov	43.18525314	0.050891459	0.006045467	0.001036271	9.606193542	0.036336996	3.636307955	0.001036271	0.001036271	5.18136E-06	0.007344232	0.001055348	0.01090585	0.014742318	5.18136E-06	13.079319	1.499E-05	0.000187912	0.000114407
2041 Dec	43.23272705	0.051094256	0.006046074	0.001036777	9.621351242	0.036382612	3.642660856	0.001036777	0.001036777	5.18388E-06	0.007351781	0.00105612	0.01091433	0.014757858	5.18388E-06	13.09490299	1.49988E-05	0.000188056	0.000114518
2042 Jan	43.30667496	0.051206328	0.006065147	0.001036892	9.642009735	0.036387224	3.649892569	0.001036892	0.001036892	5.18446E-06	0.00735324	0.001057371	0.010914483	0.014796548	5.18446E-06	13.12582874	1.50042E-05	0.0001884	0.00011519
2042 Feb	43.38867188	0.051269401	0.006091219	0.0010369	9.66384697	0.036375493	3.657079458	0.0010369	0.0010369	5.1845E-06	0.007352351	0.001058798	0.010911683	0.014843078	5.1845E-06	13.16167545	1.50088E-05	0.000188814	0.000116058
2042 Mar	43.45688248	0.051331557	0.006108738	0.001037466	9.680990219	0.036388777	3.662979126	0.001037466	0.001037466	5.18733E-06	0.007355844	0.00106015	0.010916059	0.014876495	5.18733E-06	13.18835258	1.50193E-05	0.000189143	0.000116595
2042 Apr	43.74131393	0.051656995	0.006153257	0.001043649	9.745467186	0.036601879	3.687039852	0.001043649	0.001043649	5.21824E-06	0.007399384	0.00106691	0.01098021	0.01497962	5.21824E-06	13.27809048	1.51102E-05	0.000190399	0.000117561
2042 May	48.77631378	0.054280702	0.007762295	0.001061426	10.97271824	0.035881337	4.081736088	0.001061426	0.001061426	5.30713E-06	0.007488365	0.001157411	0.010982444	0.01768925	5.30713E-06	15.37011909	1.59714E-05	0.000217522	0.000167526
2042 Jun	40.62302017	0.023224495	0.007727525	0.000998608	7.657836437	0.023590878	2.699388981	0.000998608	0.000998608	4.99304E-06	0.007303849	0.000963137	0.01001253	0.013892153	4.99304E-06	11.9696846	2.0463E-05	0.000211415	0.0001379
2042 Jul	35.13828659	0.010164838	0.006313976	0.0009989	6.556066513	0.027147876	2.415590763	0.0009989	0.0009989	4.9945E-06	0.006467002	0.000956458	0.009116367	0.012319995	4.9945E-06	10.27443027	1.59621E-05	0.000164144	0.000102489
2042 Aug	40.23721695	0.031114403	0.005928406	0.000990581	9.329755783	0.038129006	3.379811525	0.000990581	0.000990581	4.95291E-06	0.005744981	0.001031991	0.011219441	0.013995996	4.95291E-06	12.58063412	8.07416E-06	0.000174486	9.97978E-05
2042 Sep	44.1111908	0.052664313	0.005792222	0.000992735	10.80118465	0.04174529	3.950137615	0.000992735	0.000992735	4.96368E-06	0.006200264	0.001058593	0.012148884	0.01499511	4.96368E-06	13.89104939	7.97138E-06	0.000189389	0.000104954
2042 Oct	46.24376678	0.073493578	0.005466292	0.000987642	11.4980917	0.042577807	4.341904163	0.000987642	0.000987642	4.93821E-06	0.006968546	0.001068657	0.011877937	0.015661763	4.93821E-06	14.49669361	1.04043E-05	0.000191691	0.000113032
2042 Nov	46.52645874	0.074537657	0.005479993	0.000991952	11.57406425	0.042799506	4.374978542	0.000991952	0.000991952	4.95976E-06	0.007026387	0.001073852	0.011922623	0.015755607	4.95976E-06	14.58316708	1.05345E-05	0.00019264	0.000113821
2042 Dec	46.55684662	0.074656434	0.00548125	0.000992396	11.58229351	0.042822912	4.378606319	0.000992396	0.000992396	4.96198E-06	0.007032773	0.001074396	0.011927119	0.015765673	4.96198E-06	14.59243774	1.05492E-05	0.000192739	0.000113907
2043 Jan	46.60953522	0.074715227	0.005496965	0.000992458	11.59597492	0.04281595	4.383313656	0.000992458	0.000992458	4.96229E-06	0.00703374	0.001075306	0.011925132	0.015794763	4.96229E-06	14.61475372	1.05578E-05	0.000192998	0.000114445
2043 Feb	46.6742897	0.074752197	0.005518527	0.000992496	11.61255455	0.042802572	4.388715744	0.000992496	0.000992496	4.96248E-06	0.007033236	0.001076459	0.011922266	0.01583202	4.96248E-06	14.64301682	1.05642E-05	0.000193333	0.000115152
2043 Mar	46.72107697	0.074790694	0.005531652	0.000992759	11.62445164	0.04280575	4.39274025	0.000992759	0.000992759	4.9638E-06	0.007034683	0.001077352	0.011923623	0.01585624	4.9638E-06	14.66203594	1.05704E-05	0.000193563	0.000115566
2043 Apr	47.0089035	0.075230606	0.005570072	0.000998457	11.69620991	0.043046739	4.419587612	0.000998457	0.000998457	4.99229E-06	0.007074817	0.001083882	0.011991019	0.015958697	4.99229E-06	14.75484276	1.06329E-05	0.000194776	0.000116449
2043 May	52.7215538	0.076088682	0.007582889	0.001019102	12.98950958	0.04138381	4.823174	0.001019102	0.001019102	5.09551E-06	0.007175688	0.001188857	0.011845691	0.019147681	5.09551E-06	17.14319801	1.20236E-05	0.000226977	0.000177805
2043 Jun	53.51654816	0.031993728	0.012017147	0.000984837	11.0656538	0.020662647	3.798636198	0.000984837	0.000984837	4.92418E-06	0.007066792	0.001179466	0.009422307	0.021315742	4.92418E-06	17.66856003	2.12523E-05	0.000279027	0.000280161
2043 Jul	45.55483246	0.020882208	0.009303031	0.001037089	9.113705635	0.026022226	3.24044323	0.001037089	0.001037089	5.18545E-06	0.006922413	0.001119411	0.009552632	0.017388957	5.18545E-06	14.38964176	1.84625E-05	0.000222977	0.000194087
2043 Aug	46.14052582	0.027180113	0.008504078	0.001063348	9.857509613	0.032440808	3.529225111	0.001063348	0.001063348	5.31674E-06	0.006708647	0.001147087	0.010672667	0.017182967	5.31674E-06	14.62628365	1.4761E-05	0.000215783	0.000170623
2043 Sep	46.54277802	0.040587194	0.007558367	0.001046123	10.59397602	0.036952805	3.823568821	0.001046123	0.001046123	5.23062E-06	0.006626513	0.001128866	0.011549318	0.016703531	5.23062E-06	14.74593258	1.21569E-05	0.000211214	0.000148363
2043 Oct	48.21511078	0.068325266	0.006555603	0.001026432	11.50565434	0.03999931	4.325880527	0.001026432	0.001026432	5.13216E-06	0.007339281	0.00111957	0.011567784	0.01686592	5.13216E-06	15.16609764	1.32349E-05	0.000206503	0.000140999
2043 Nov	49.36096954	0.088365771	0.005818347	0.001010685	12.15123177	0.042154409	4.684426308	0.001010685	0.001010685	5.05343E-06	0.007846349	0.001111237	0.011564826	0.01695995	5.05343E-06	15.44966984	1.39987E-05	0.000202791	0.000135453
2043 Dec	49.39055634	0.088531055	0.005816388	0.001011046	12.16078472	0.042187024	4.688793659	0.001011046	0.001011046	5.05523E-06	0.007853081	0.001111689	0.011570062	0.016968245	5.05523E-06	15.45846176	1.40098E-05	0.00020286	0.00013548
2044 Jan	49.47820282	0.08860714	0.005843374	0.001011142	12.18385601	0.042177249	4.696511269	0.001011142	0.001011142	5.05571E-06	0.007853254	0.001113235	0.011567631	0.017017132	5.05571E-06	15.49614429	1.40178E-05	0.000203297	0.000136381
2044 Feb	49.6118927	0.088696793	0.005883851	0.001011636	12.21803093	0.04217286	4.707835197	0.001011636	0.001011636	5.05818E-06	0.007854939	0.001115732	0.011568055	0.017089449	5.05818E-06	15.55220032	1.40317E-05	0.00020397	0.000137672
2044 Mar	49.72223663	0.088813156	0.005910275	0.001012676	12.24588299	0.042202719	4.717568398	0.001012676	0.001012676	5.06338E-06	0.007861856	0.001117937	0.011577126	0.017141687	5.06338E-06	15.59445572	1.405E-05	0.00020449	0.000138477
2044 Apr	49.88277435	0.089054935	0.005936771	0.001015274	12.28579903	0.042303439	4.73238945	0.001015274	0.001015274	5.07637E-06	0.007881373	0.001121393	0.011605246	0.017204942	5.07637E-06	15.64906502	1.40881E-05	0.000205187	0.000139201
2044 May	51.44762802	0.090358697	0.006319331	0.00103352	12.65629482	0.042712394	4.860015392	0.00103352	0.00103352	5.1676E-06	0.008005291	0.00115346 1	0.01176531	0.017921451	5.1676E-06	16.22832298	1.44608E-05	0.000212923	0.000150082
2044 Jun	38.82108307	0.018822117	0.007631355	0.000969565	7.032450199	0.020966379	2.441978693	0.000969565	0.000969565	4.84783E-06	0.007200329	0.000913103	0.00970831	0.013083113	4.84783E-06	11.27198219	2.11147E-05	0.000208799	0.000132067
2044 Jul	37.68525314	0.012348814	0.007300158	0.00103088	6.445170879	0.022086158	2.239099979	0.00103088	0.00103088	5.1544E-06	0.007521699	0.000922852	0.010173277	0.012221161	5.1544E-06	10.54121685	2.20194E-05	0.00020392	0.00011138
2044 Aug	40.70996094	0.016343184	0.007573268	0.00109503	7.375496864	0.026311385	2.586170435	0.00109503	0.00109503	5.47515E-06	0.007738249	0.001005089	0.011042947	0.013368287	5.47515E-06	11.61303806	2.11794E-05	0.000212923	0.000117224
2044 Sep	44.35126114	0.051220734	0.006347933	0.001029453	9.975633621	0.036322046	3.664830446	0.001029453	0.001029453	5.14727E-06	0.007249611	0.001041823	0.011762326	0.014768608	5.14727E-06	13.45466137	1.44595E-05	0.00020332	0.000114237
2044 Oct	46.70093155	0.074816763	0.005782295	0.00101154	11.09375	0.039482307	4.217692375	0.00101154	0.00101154	5.0577E-06	0.007692395	0.001061934	0.011645147	0.015625419	5.0577E-06	14.32510853	1.45803E-05	0.000200757	0.000119676
2044 Nov	47.25873947	0.079101585	0.005704889	0.001011856	11.32200623	0.040154606	4.326320648	0.001011856	0.001011856	5.05928E-06	0.007793809	0.001068921	0.011664014	0.015824134	5.05928E-06	14.52181053	1.46496E-05	0.000200989	0.000121006
2044 Dec	47.28624725	0.079223216	0.005704944	0.001012182	11.33073044	0.040182453	4.330137253	0.001012182	0.001012182	5.06091E-06	0.007798558	0.001069416	0.011668122	0.015833611	5.06091E-06	14.53083229	1.46558E-05	0.000201058	0.000121074
2045 Jan	47.34679413	0.079283647	0.005723516	0.001012166	11.34716034	0.040175308	4.335708141	0.001012166	0.001012166	5.06083E-06	0.007798133	0.001070472	0.011665341	0.015868172	5.06083E-06	14.5573616	1.46593E-05	0.00020135	0.000121716
2045 Feb	47.42421341	0.079323024	0.005749634	0.001012165	11.36733913	0.040159576	4.342236996	0.001012165	0.001012165	5.06082E-06	0.007796684	0.001071856	0.011661643	0.015913347	5.06082E-06	14.59163761	1.46637E-05	0.000201748	0.000122574
2045 Mar	47.50061798	0.079401679	0.00576802	0.001012894	11.38653564	0.040179949	4.348927021	0.001012894	0.001012894	5.06447E-06	0.007801516	0.001073384	0.011668034	0.015949452	5.06447E-06	14.62084579	1.46767E-05	0.000202111	0.000123131
2045 Apr	47.64842606	0.079620749	0.005791171	0.001015531	11.422472	0.040279709	4.362286091	0.001015531	0.001015531	5.07766E-06	0.007821385	0.00107661	0.011697274	0.01600505	5.07766E-06	14.66959286	1.47162E-05	0.000202761	0.000123719
2045 May	48.47568512	0.08098948	0.005894071	0.001032943	11.62093544	0.040967662	4.437912941	0.001032943	0.001032943	5.16472E-06	0.007955285	0.001095254	0.011897287	0.016285527	5.16472E-06	14.92567635	1.49694E-05	0.000206292	0.000125957
2045 Jun	38.40194321	0.027981786	0.006601172	0.000991807	7.228226185	0.025027737	2.590043306	0.000991807	0.000991807	4.95903E-06	0.007455382	0.0009095	0.010318847	0.012314305	4.95903E-06	10.91136265	2.02011E-05	0.000198288	0.00010498
2045 Jul	36.77349854	0.011660371	0.006953705	0.001029306	6.325658798	0.023146089	2.224312067	0.001029306	0.001029306	5.14653E-06	0.007380811	0.000920902	0.010062625	0.011922133	5.14653E-06	10.26114273	2.10361E-05	0.000194785	0.000103441
2045 Aug	39.22080612	0.016728247	0.007016038	0.001066702	7.315500259	0.027761746	2.59727335	0.001066702	0.001066702	5.33351E-06	0.00732292	0.000988996	0.010779257	0.012946019	5.33351E-06	11.26401901	1.88953E-05	0.000198411	0.000107106
2045 Sep	42.12977982	0.036459289	0.006572872	0.001049107	8.86796093	0.033181243	3.226127863	0.001049107	0.001049107	5.24554E-06	0.007256266	0.00102426	0.01136854	0.013995411	5.24554E-06	12.52100372	1.60524E-05	0.000199596	0.000109765
2045 Oct	43.41794205	0.044938128	0.006453669	0.001051856	9.381504059	0.034710042	3.457232237	0.001051856	0.001051856	5.25928E-06	0.007446012	0.001041359	0.011486056	0.014448261	5.25928E-06	12.98135567	1.6062E-05	0.00020117	0.000112789
2045 Nov	43.56572723	0.045282524	0.006467314	0.001054674	9.419737816	0.03484156	3.472443342	0.001054674	0.001054674	5.27337E-06	0.007470521	0.001044534	0.011519171	0.014498089	5.27337E-06	13.02755737	1.61042E-05	0.000201737	0.000113164
2045 Dec	43.60539246	0.045427706	0.006468682	0.00105522	9.431735992	0.034880541	3.477474689	0.00105522	0.00105522	5.2761E-06	0.007476869	0.001045284	0.01152641	0.01451164	5.2761E-06	13.04051208	1.61121E-05	0.000201857	0.000113262
2046 Jan	43.65098953	0.045502231	0.006480173	0.001055273	9.44473362	0.034884602	3.482108831	0.001055273	0.001055273	5.27637E-06	0.007477649	0.001046069	0.011525949	0.014535897	5.27637E-06	13.0597744	1.61145E-05	0.000202058	0.000113681

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Feb	43.70627594	0.045548804	0.006496855	0.001055377	9.45937252	0.034881569	3.487013817	0.001055377	0.001055377	5.27689E-06	0.0074778	0.001047069	0.011525094	0.014566444	5.27689E-06	13.0834341	1.61184E-05	0.00020233	0.000114234
2046 Mar	43.79050064	0.045630541	0.006513996	0.001056739	9.479061127	0.034923039	3.494002819	0.001056739	0.001056739	5.28369E-06	0.007487126	0.001048909	0.011538873	0.014601133	5.28369E-06	13.11252689	1.61405E-05	0.000202729	0.000114677
2046 Apr	44.05321121	0.045900844	0.006555716	0.001062694	9.536763191	0.035117835	3.515118361	0.001062694	0.001062694	5.31347E-06	0.007529138	0.001055101	0.011603281	0.014692511	5.31347E-06	13.19341183	1.62322E-05	0.00020395	0.000115492
2046 May	46.55654907	0.04758057	0.007279988	0.00107909	10.14448071	0.03516997	3.717577934	0.00107909	0.00107909	5.39545E-06	0.007629873	0.001102942	0.01168956	0.015972566	5.39545E-06	14.19423294	1.67068E-05	0.000216796	0.000137619
2046 Jun	39.78827667	0.020046577	0.00771359	0.000990313	7.338336468	0.022399344	2.556083679	0.000990313	0.000990313	4.95157E-06	0.007258699	0.000940181	0.00999259	0.013455476	4.95157E-06	11.62016201	2.07708E-05	0.000211481	0.000133811
2046 Jul	35.11236572	0.009679808	0.006507078	0.000996837	6.254008293	0.024604145	2.251516342	0.000996837	0.000996837	4.98419E-06	0.006780179	0.000920995	0.009386924	0.011842379	4.98419E-06	10.01254845	1.8147E-05	0.000175329	0.000100361
2046 Aug	37.91526413	0.016169915	0.006545304	0.00103482	7.427633286	0.029968424	2.690708876	0.00103482	0.00103482	5.1741E-06	0.006684843	0.000995356	0.010233472	0.012991657	5.1741E-06	11.17270374	1.55206E-05	0.000179528	0.000104014
2046 Sep	42.87941742	0.049914017	0.005930169	0.001004893	9.846511841	0.037321337	3.65749979	0.001004893	0.001004893	5.02446E-06	0.006837427	0.00103443	0.011300431	0.014522685	5.02446E-06	13.14232254	1.24554E-05	0.000188355	0.000108745
2046 Oct	46.19817734	0.078020833	0.005445556	0.000992583	11.18922234	0.040457025	4.298465729	0.000992583	0.000992583	4.96291E-06	0.007528825	0.001058602	0.011346935	0.015600869	4.96291E-06	14.27107525	1.34937E-05	0.000191789	0.00011737
2046 Nov	46.71552277	0.081527367	0.005404064	0.000993915	11.37757778	0.040936913	4.385467529	0.000993915	0.000993915	4.96958E-06	0.00763075	0.001064387	0.011384069	0.015770594	4.96958E-06	14.44300365	1.36528E-05	0.000192727	0.000118707
2046 Dec	46.75582886	0.081662007	0.005406224	0.000994534	11.38893318	0.040972885	4.390200138	0.000994534	0.000994534	4.97267E-06	0.007637764	0.001065157	0.011391694	0.015784079	4.97267E-06	14.45576096	1.36648E-05	0.000192864	0.00011881
2047 Jan	46.81971741	0.081723705	0.005425401	0.000994614	11.4058733	0.040967498	4.395919323	0.000994614	0.000994614	4.97307E-06	0.007638121	0.001066282	0.011390164	0.015819401	4.97307E-06	14.48309326	1.36707E-05	0.000193178	0.000119456
2047 Feb	46.90339661	0.08177273	0.005452193	0.000994773	11.42741299	0.040957425	4.402961254	0.000994773	0.000994773	4.97387E-06	0.007637946	0.001067808	0.011388414	0.015866328	4.97387E-06	14.51909447	1.36778E-05	0.000193606	0.000120322
2047 Mar	47.05218124	0.081979156	0.005478818	0.000997045	11.46429253	0.041041888	4.416482925	0.000997045	0.000997045	4.98523E-06	0.007654629	0.001070988	0.011412474	0.015926838	4.98523E-06	14.57067204	1.37117E-05	0.000194265	0.00012106
2047 Apr	47.21109009	0.082225829	0.005502638	0.000999909	11.50336838	0.041154586	4.431144714	0.000999909	0.000999909	4.99955E-06	0.00767618	0.001074487	0.01144414	0.01598643	4.99955E-06	14.62302685	1.37527E-05	0.000194947	0.000121672
2047 May	54.59505844	0.080795765	0.008361937	0.001008688	13.18912315	0.038068738	4.929598808	0.001008688	0.001008688	5.04344E-06	0.007580295	0.001207468	0.011056529	0.020342415	5.04344E-06	17.84868813	1.50946E-05	0.000238227	0.000208853
2047 Jun	61.36197281	0.040469892	0.014286271	0.000990463	13.24828625	0.020630307	4.545653343	0.000990463	0.000990463	4.95232E-06	0.007023081	0.001320138	0.009231365	0.025701242	4.95232E-06	21.08047104	2.13578E-05	0.000315534	0.000358688
2047 Jul	54.91769409	0.030934475	0.012181435	0.001053057	11.27272034	0.022844765	3.894902706	0.001053057	0.001053057	5.26528E-06	0.007434359	0.001237434	0.009922639	0.021776455	5.26528E-06	18.00961304	2.19358E-05	0.000283023	0.000279732
2047 Aug	55.06521988	0.034142397	0.011513378	0.001089373	11.64711475	0.027723169	4.053869247	0.001089373	0.001089373	5.44687E-06	0.00740118	0.001261053	0.010814657	0.021419201	5.44687E-06	17.98694801	1.96709E-05	0.000276323	0.000257765
2047 Sep	51.21962738	0.054395594	0.008588603	0.00103981	11.7769413	0.035603929	4.249630928	0.00103981	0.00103981	5.19905E-06	0.007142504	0.001170166	0.011589208	0.018702978	5.19905E-06	16.46326828	1.4652E-05	0.000237935	0.000186778
2047 Oct	50.64484406	0.077174023	0.007060727	0.001013291	12.14869595	0.039015837	4.564069271	0.001013291	0.001013291	5.06646E-06	0.00761519	0.001134154	0.011496202	0.01791003	5.06646E-06	16.07031631	1.46433E-05	0.000220293	0.000162089
2047 Nov	50.66785049	0.082118295	0.00676347	0.001010635	12.25998402	0.039833568	4.642151356	0.001010635	0.001010635	5.05317E-06	0.007734688	0.001129866	0.011509201	0.017795784	5.05317E-06	16.03391457	1.46826E-05	0.000217251	0.00015742
2047 Dec	50.69790268	0.082254104	0.006762151	0.001011179	12.26913261	0.039871391	4.646253109	0.001011179	0.001011179	5.05589E-06	0.007741334	0.001130451	0.011516166	0.017804168	5.05589E-06	16.04265022	1.46919E-05	0.000217324	0.000157429
2048 Jan	50.76754761	0.082331419	0.00678149	0.001011395	12.28767109	0.039873488	4.65265274	0.001011395	0.001011395	5.05697E-06	0.007742748	0.001131719	0.011516121	0.017841341	5.05697E-06	16.07172966	1.46989E-05	0.000217654	0.00015808
2048 Feb	50.86607742	0.082401894	0.006810884	0.001011777	12.31295204	0.039872188	4.66107893	0.001011777	0.001011777	5.05889E-06	0.007744196	0.001133566	0.011516694	0.017894384	5.05889E-06	16.11292076	1.47091E-05	0.000218145	0.000159021
2048 Mar	50.91217804	0.082428373	0.006825814	0.001011842	12.32488346	0.039865863	4.664977551	0.001011842	0.001011842	5.05921E-06	0.007743887	0.001134405	0.01151538	0.017920537	5.05921E-06	16.1329174	1.47125E-05	0.00021838	0.000159507
2048 Apr	51.28894424	0.082866445	0.006907573	0.001016288	12.41884899	0.040009417	4.698337555	0.001016288	0.001016288	5.08144E-06	0.007775058	0.001142126	0.011558676	0.018088596	5.08144E-06	16.27155113	1.4786E-05	0.000220129	0.000161907
2048 May	52.36594009	0.084513463	0.007069039	0.001036069	12.68084812	0.040770184	4.796295166	0.001036069	0.001036069	5.18034E-06	0.007924883	0.001165765	0.011779737	0.018486761	5.18034E-06	16.62312126	1.50791E-05	0.000224824	0.00016594
2048 Jun	39.79270554	0.030687166	0.006931331	0.000988132	7.67986393	0.025321841	2.753385067	0.000988132	0.000988132	4.94066E-06	0.007415539	0.00093349	0.010268375	0.013102585	4.94066E-06	11.54152107	1.99451E-05	0.000203546	0.000118376
2048 Jul	35.80933762	0.010038813	0.006644386	0.001016026	6.353327751	0.024859447	2.282524586	0.001016026	0.001016026	5.08013E-06	0.006950146	0.000935168	0.009605064	0.012021841	5.08013E-06	10.18374062	1.87272E-05	0.000179902	0.000101928
2048 Aug	39.15432739	0.021697829	0.006412308	0.001030389	8.153108597	0.032937199	2.948021412	0.001030389	0.001030389	5.15195E-06	0.006463034	0.001015247	0.01073135	0.013432197	5.15195E-06	11.7642107	1.32917E-05	0.000180918	0.000103233
2048 Sep	42.96697235	0.046639584	0.006020136	0.001014666	9.899126053	0.038039971	3.649193764	0.001014666	0.001014666	5.07333E-06	0.006685244	0.001046005	0.011521596	0.014586444	5.07333E-06	13.22022343	1.16077E-05	0.000189112	0.000107762
2048 Oct	45.52230072	0.070259437	0.005590069	0.000999644	10.93785	0.04022076	4.159151077	0.000999644	0.000999644	4.99822E-06	0.007284654	0.001059426	0.011458791	0.015402474	4.99822E-06	14.07345963	1.27367E-05	0.000191289	0.000114861
2048 Nov	46.51507568	0.07766825	0.005489814	0.001000199	11.30324554	0.041074935	4.332434177	0.001000199	0.001000199	5.001E-06	0.007500416	0.001068778	0.011497822	0.015723873	5.001E-06	14.39927006	1.31381E-05	0.000192904	0.000117561
2048 Dec	46.55261993	0.077818081	0.00549095	0.001000692	11.31424904	0.04110774	4.337155819	0.001000692	0.001000692	5.00346E-06	0.007507313	0.001069436	0.011503975	0.015736349	5.00346E-06	14.41117096	1.31505E-05	0.000193022	0.000117659
2049 Jan	46.62765503	0.077896953	0.005513159	0.001000783	11.33417034	0.041101586	4.343932629	0.001000783	0.001000783	5.00392E-06	0.00750801	0.001070745	0.0115021	0.015777642	5.00392E-06	14.4431572	1.31584E-05	0.000193389	0.000118412
2049 Feb	46.72013092	0.07794828	0.005543692	0.001000854	11.3580637	0.041085228	4.351694584	0.001000854	0.001000854	5.00427E-06	0.007507075	0.001072402	0.011498714	0.015830593	5.00427E-06	14.48352718	1.31655E-05	0.000193866	0.000119409
2049 Mar	46.80908966	0.078040585	0.00556491	0.001001718	11.38045883	0.041110218	4.359515667	0.001001718	0.001001718	5.00859E-06	0.00751276	0.001074189	0.011506356	0.015872519	5.00859E-06	14.51748466	1.31803E-05	0.000194286	0.000120051
2049 Apr	47.04735184	0.078405783	0.005599319	0.001006223	11.43882561	0.041289091	4.381441116	0.001006223	0.001006223	5.03111E-06	0.007546089	0.001079512	0.011556793	0.015960036	5.03111E-06	14.59501743	1.32415E-05	0.000195303	0.000120898
2049 May	49.08605576	0.079585433	0.006172373	0.001024425	11.91692352	0.041460365	4.540430069	0.001024425	0.001024425	5.12212E-06	0.00765996	0.001119919	0.011682639	0.016962808	5.12212E-06	15.38450432	1.37024E-05	0.000205863	0.000137636
2049 Jun	38.11464691	0.021143191	0.007117936	0.00097622	6.962296963	0.022484608	2.445913792	0.00097622	0.00097622	4.8811E-06	0.00725586	0.000903559	0.00992337	0.012536226	4.8811E-06	10.9246273	2.06118E-05	0.000202134	0.000117443
2049 Jul	35.39858246	0.010053763	0.006551157	0.001003142	6.31440258	0.024787406	2.273578644	0.001003142	0.001003142	5.01571E-06	0.006832047	0.000927154	0.009458411	0.011934928	5.01571E-06	10.09696579	1.82801E-05	0.000176761	0.000101195
2049 Aug	38.19013214	0.013851006	0.006750213	0.001062605	7.253417969	0.029364347	2.636611938	0.001062605	0.001062605	5.31302E-06	0.006944994	0.001012047	0.010195498	0.013113556	5.31302E-06	11.15344429	1.69072E-05	0.000182137	0.000107031
2049 Sep	42.89714813	0.048089825	0.006097929	0.001030073	9.544300079	0.036118995	3.574921131	0.001030073	0.001030073	5.15037E-06	0.007182152	0.001045726	0.01106287	0.014571882	5.15037E-06	13.00180435	1.4432E-05	0.000189418	0.000112274
2049 Oct	45.92493439	0.074652135	0.005579904	0.001007744	10.90372086	0.039503332	4.197651863	0.001007744	0.001007744	5.03872E-06	0.007667162	0.001062822	0.011204789	0.015536767	5.03872E-06	14.09477711	1.45341E-05	0.00019207	0.00011865
2049 Nov	46.48179626	0.078425333	0.005530155	0.001008199	11.12082481	0.040085688	4.294403553	0.001008199	0.001008199	5.04099E-06	0.007757416	0.001068688	0.011261559	0.015717279	5.04099E-06	14.28738022	1.45969E-05	0.000193072	0.000119897
2049 Dec	46.52309799	0.07857237	0.005531903	0.001008777	11.13299561	0.040124092	4.299455643	0.001008777	0.001008777	5.04389E-06	0.007764236	0.001069449	0.011269432	0.015731033	5.04389E-06	14.30066109	1.46068E-05	0.000193208	0.000119998
2050 Jan	46.59577942	0.078649908	0.005552677	0.00100893	11.1524601	0.040123168	4.306081295	0.00100893	0.00100893	5.04465E-06	0.007765105	0.001070737	0.011268977	0.015770221	5.04465E-06	14.33135033	1.4613E-05	0.00019356	0.000120696
2050 Feb	46.6806488	0.078696348	0.005580673	0.001008987	11.17452335	0.040108863	4.313231468	0.001008987	0.001008987	5.04494E-06	0.007764038	0.001072256	0.011266034	0.015818823	5.04494E-06	14.36848259	1.46184E-05	0.000193997	0.000121609
2050 Mar	46.73310089	0.078732118	0.005596672	0.001009153	11.1880312	0.040106393	4.317700863	0.001009153	0.001009153	5.04576E-06	0.007764488	0.001073226	0.011265927	0.015847413	5.04576E-06	14.39062881	1.46233E-05	0.000194261	0.000122123
2050 Apr	46.91384506	0.079006612	0.00562386	0.001012504	11.23184395	0.040234417	4.334184647	0.001012504	0.001012504	5.06252E-06	0.007789803	0.001077244	0.011302224	0.015914865	5.06252E-06	14.44970417	1.46733E-05	0.000195039	0.00012281
2050 May	48.36149597	0.08005622	0.005999095	0.001027834	11.57334518	0.040512171	4.450115681	0.001027834	0.001027834	5.13917E-06	0.007890576	0.001106542	0.011427665	0.016597236	5.13917E-06	14.99550152	1.50089E-05	0.000202335	0.000133594
2050 Jun	42.4662056	0.025470344	0.008418498	0.000979387	8.144898415	0.022227319	2.849145889	0.000979387	0.000979387	4.89694E-06	0.007242601	0.00098165	0.009776535	0.014990837	4.89694E-06	12.81571102	2.08259E-05	0.000222767	0.000162111
2050 Jul	34.96049118	0.010229185	0.006356884	0.00098736	6.461090565	0.026143957	2.364769459	0.00098736	0.00098736	4.9368E-06	0.006483924	0.000939752	0.009085973	0.01216985	4.9368E-06	10.18153286	1.64026E-05	0.000166435	0.000102875
2050 Aug	36.54166794	0.012306357	0.006284433	0.001029594	7.221084595	0.031085521	2.698256969	0.001029594	0.001029594	5.14797E-06	0.006315458	0.001020001	0.009355376	0.013182099	5.14797E-06	10.96189308	1.3829E-05	0.000160052	0.000106093
2050 Sep	40.91175842	0.038447089	0.005989433	0.001019638	9.063321114	0.036029417	3.408617973	0.001019638	0.001019638	5.09819E-06	0.006668251	0.001047265	0.010465689	0.014322184	5.09819E-06	12.52439308	1.26614E-05	0.000174765	0.000110087
2050 Oct	42.55589676	0.048007846	0.005922152	0.001026677	9.636836052	0.037479259	3.655485392	0.001026677	0.001026677	5.13339E-06	0.006957897	0.001064798	0.010710179	0.014812997	5.13339E-06	13.06035614	1.30698E-05	0.000179526	0.000113586
2050 Nov	42.77107239	0.048440136	0.005944812	0.001031066	9.69051075	0.037668806	3.676566601	0.001031066	0.001031066	5.15533E-06	0.00699359	0.001069601	0.010760167	0.01488589	5.15533E-06	13.12716389	1.31335E-05	0.000180381	0.000114138
2050 Dec	42.80946732	0.048582293	0.005946357	0.001031574	9.701786995	0.037702646	3.681219816	0.001031574	0.001031574	5.15787E-06	0.007000135	0.001070259	0.010767659	0.01489821	5.15787E-06	13.13934994	1.31441E-05	0.000180515	0.000114229
2051 Jan	42.86035156	0.048659917	0.005959117	0.001031724	9.715668678	0.037707072	3.686089993	0.001031724	0.001031724	5.15862E-06	0.007001871	0.001071125	0.010768636	0.014923991	5.15862E-06	13.16010189	1.31501E-05	0.000180754	0.000114669
2051 Feb	42.91722107	0.048706219	0.005976463	0.001031829	9.73056221	0.037702437	3.691031694	0.001031829	0.001031829	5.15915E-06	0.007002129	0.001072135	0.010767922	0.014955197	5.15915E-06	13.18432903	1.31551E-05	0.000181041	0.000115237
2051 Mar	42.96950531	0.048755594	0.005988886	0.001032397	9.743506432	0.037718587	3.69555521	0.001032397	0.001032397	5.16199E-06	0.007005739	0.001073217	0.010772864	0.014979626	5.16199E-06	13.20407677	1.31644E-05	0.000181287	0.000115605
2051 Apr	43.19324493	0.049003776	0.006023007	0.001037379	9.794861794	0.037897971	3.714813471	0.001037379	0.001037379	5.1869E-06	0.007039405	0.001078678	0.010824288	0.015061172	5.1869E-06	13.27493286	1.32291E-05	0.000182246	0.000116336
2051 May	47.66359329	0.05136108	0.007682533	0.001060037	10.90330124	0.037115194	4.133702755	0.001050972	0.001050972	5.25496E-06	0.007109125	0.0011518	0.010874841	0.017354259	5.25584E-06	15.06042767	1.40553E-05	0.000205539	0.000159741
2051 Jun	51.35165787	0.028633764	0.025724625	0.001569129	12.49471951	0.024793778	8.639834404	0.000962031	0.000962031	4.8169E-06	0.005967527	0.000804951	0.013887723	0.012808054	4.87609E-06	12.11712074	1.80049E-05	0.000180771	0.00015704
2051 Jul	49.25873947	0.024411308	0.02608721	0.001674102	12.06966209	0.028178927	8.91898632	0.001015008	0.001015008	5.08238E-06	0.006047055	0.000781999	0.014655761	0.010948189	5.14661E-06	10.70367908	1.72056E-05	0.000156199	0.000115916
2051 Aug	49.11478043	0.03285329	0.021574898	0.001533146	12.59479046	0.035735257	8.164170265	0.001014382	0.001014382	5.07769E-06	0.005576304	0.000887227	0.014501919	0.012465162	5.1282E-06	12.04083824	1.13159E-05	0.00015665	0.000112315
2051 Sep	54.91159058	0.062761933	0.025597088	0.001653448	15.08476639	0.038898781	10.24123383	0.000984299	0.000984299	4.929E-06	0.005926657	0.000855806	0.015715338	0.012995256	4.99403E-06	13.09261131	1.17179E-05	0.000154747	0.00012119
2051 Oct	58.44046021	0.085892051	0.027352475	0.001702535	16.43741226	0.040483478	11.33180523	0.000968676	0.000968676	4.85169E-06	0.006486029	0.000850091	0.016047966	0.013573942	4.92285E-06	13.82922935	1.32821E-05	0.000154581	0.000129698
2051 Nov	58.56219482	0.087309629	0.026922131	0.001691812	16.43433189	0.040802225	11.23232365	0.000973578	0.000973578	4.87603E-06	0.006577763	0.000861165	0.016010517	0.013743391	4.94566E-06	13.95981884	1.34124E-05	0.000156556	0.000130439
2051 Dec	58.56945419	0.087432377	0.02686855	0.001690557	16.43225861	0.040836263	11.2193737	0.000974163	0.000974163	4.87893E-06	0.006587086	0.000862377	0.016005373	0.013761148	4.94839E-06	13.97301674	1.34243E-05	0.000156771	0.000130505
2052 Jan	58.62036133	0.087489754	0.026854813	0.001689488	16.44266129	0.04082948	11.21450901	0.000974263	0.000974263	4.87942E-06	0.006589014	0.000863937	0.015995866	0.013803492	4.94876E-06	14.00396347	1.34309E-05	0.000157176	0.000131203
2052 Feb	58.71211624	0.087549381	0.026872419	0.001689335	16.46498871	0.040822085	11.21868801	0.00097455	0.00097455	4.88085E-06	0.006590189	0.000865888	0.015992139	0.013859266	4.95014E-06	14.04631805	1.34404E-05	0.0001577	0.000132186
2052 Mar	58.82735062	0.087679379	0.02691194	0.001691137	16.4954586	0.040863626	11.23347092	0.000975792	0.000975792	4.88707E-06	0.00659818	0.000867911	0.016007964	0.013904954	4.95642E-06	14.08494186	1.34605E-05	0.00015816	0.000132867
2052 Apr	59.01004791	0.087928414	0.026988167	0.001695547	16.54566002	0.040969077	11.26433372	0.00097845	0.00097845	4.90038E-06	0.006615921	0.000870786	0.016049022	0.013958421	4.9699E-06	14.13483334	1.34988E-05	0.000158735	0.000133513
2052 May	67.37583923	0.080970287	0.029762093	0.001668656	18.23312569	0.036197461	11.45729923	0.000987524	0.000987524	4.94535E-06	0.006397776	0.001046848	0.015248773	0.019537346	5.01137E-06	18.14988136	1.50564E-05	0.000215983	0.00024559
2052 Jun	62.07959747	0.040986221	0.042212456	0.002088569	16.76012611	0.029182952	13.82155132	0.000976778	0.000976771	4.89718E-06	0.005358089	0.000740909	0.017951703	0.012261102	5.00311E-06	12.69676781	1.62043E-05	0.000159507	0.000163468
2052 Jul	52.24717331	0.029146871	0.031057345	0.00179435	13.68309498	0.033871178	10.57272053	0.001005408	0.001005398	5.0367E-06	0.005203363	0.000850682	0.015012164	0.012025421	5.11118E-06	11.55194569	1.22009E-05	0.000130166	0.000126466
2052 Aug	51.79158783	0.032600716	0.027480002	0.001697672	13.6086235	0.037320465	9.740176201	0.001022638	0.001022627	5.12153E-06	0.005227479	0.000915313	0.014882418	0.012841405	5.18503E-06	12.24260139	1.01871E-05	0.000137755	0.000123014
2052 Sep	55.63523865	0.056590825	0.028409567	0.00170622	15.0784502	0.039433144	10.52043724	0.00099966	0.000999643	5.00721E-06	0.005722486	0.000902688	0.015892023	0.013372201	5.07325E-06	13.27570057	1.08786E-05	0.000152499	0.000125945
2052 Oct	58.68236923	0.069794632	0.031174531	0.001786097	16.16944695	0.039997999	11.57755756	0.000992512	0.000992489	4.97267E-06	0.006036674	0.000884979	0.016581831	0.013527316	5.04662E-06	13.69126415	1.21037E-05	0.000154412	0.000131086
2052 Nov	58.88960266	0.070270702	0.03121309	0.001790392	16.2239933	0.040167242	11.60343552	0.000996195	0.000996173	4.9911E-06	0.006069366	0.000888977	0.016629791	0.013591345	5.06511E-06	13.75208569	1.21651E-05	0.000155156	0.000131596
2052 Dec	58.9040947	0.070396543	0.031174295	0.001789668	16.22572708	0.04019852	11.59592152	0.000996726	0.000996704	4.99374E-06	0.006077673	0.000889909	0.016628042	0.013606085	5.06763E-06	13.76383305	1.21774E-05	0.000155332	0.000131662

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2053 Jan	58.94652557	0.070464328	0.031164419	0.001789076	16.23527718	0.040200163	11.59377956	0.000996907	0.000996885	4.99463E-06	0.006080395	0.000891065	0.016623162	0.013636986	5.06845E-06	13.78705025	1.21851E-05	0.000155631	0.000132155
2053 Feb	59.02454758	0.070531107	0.031183135	0.001789428	16.25490761	0.0402066	11.59965611	0.000997367	0.000997345	4.99693E-06	0.006083085	0.000892615	0.016625004	0.013678403	5.07074E-06	13.81949139	1.21953E-05	0.000156028	0.000132853
2053 Mar	59.15138245	0.070668228	0.031237861	0.001792174	16.28882217	0.040267497	11.6194191	0.000999042	0.00099902	5.00532E-06	0.006093235	0.000894735	0.01664974	0.013720537	5.07923E-06	13.85692692	1.22183E-05	0.000156467	0.000133424
2053 Apr	59.47725677	0.07104928	0.031402927	0.001801418	16.37797928	0.040474743	11.68047714	0.001004278	0.001004256	5.03155E-06	0.006125132	0.000899779	0.016735176	0.013803418	5.10583E-06	13.9376955	1.22838E-05	0.000157389	0.000134322
2053 May	73.00186157	0.06867706	0.040114362	0.001897857	19.55797005	0.034016885	13.44608974	0.000996647	0.000996607	4.99516E-06	0.005810952	0.001079487	0.016795969	0.020461788	5.07899E-06	19.01277351	1.48679E-05	0.000225302	0.000278464
2053 Jun	72.92350006	0.054868571	0.062265135	0.002489626	19.65608025	0.030633571	18.13354111	0.000953833	0.000953501	4.79428E-06	0.005172939	0.00078266	0.021746945	0.012795712	4.9338E-06	13.94441986	1.60662E-05	0.000161874	0.000181144
2053 Jul	68.61463928	0.04825592	0.057158209	0.002413313	17.93068695	0.031765815	16.47479057	0.001017394	0.001017027	5.11071E-06	0.005768355	0.000811715	0.02120523	0.011875924	5.23676E-06	12.95034409	1.72615E-05	0.000160242	0.00015035
2053 Aug	67.27365112	0.048247289	0.050949235	0.002286793	17.44966698	0.035304323	15.04675579	0.001067341	0.001067021	5.35745E-06	0.006002491	0.000901979	0.020554533	0.01299225	5.46756E-06	13.66078281	1.59722E-05	0.000169646	0.000149199
2053 Sep	67.96051025	0.050818484	0.049103212	0.002263963	17.59810257	0.037293676	14.70206642	0.001100149	0.001099844	5.52054E-06	0.00623202	0.000948591	0.020677883	0.013659324	5.62563E-06	14.22860146	1.57896E-05	0.000178207	0.000150958
2053 Oct	67.47257233	0.055064239	0.046770807	0.002204171	17.45766068	0.038078882	14.22976589	0.001102992	0.001102703	5.53369E-06	0.006424056	0.000966416	0.020287925	0.013991475	5.63312E-06	14.44944954	1.58706E-05	0.000181027	0.000150901
2053 Nov	66.28286743	0.059083603	0.043803245	0.002118184	17.13459015	0.038547128	13.58191872	0.001095169	0.001094901	5.49325E-06	0.006567061	0.00097604	0.019668819	0.014210422	5.58562E-06	14.54427528	1.58011E-05	0.000182271	0.000149351
2053 Dec	66.2570343	0.059250548	0.043704599	0.002115565	17.12733078	0.038575489	13.56151485	0.001095185	0.001094917	5.49328E-06	0.006574258	0.000976675	0.019651204	0.01422261	5.58542E-06	14.55191612	1.58029E-05	0.000182369	0.000149335
2054 Jan	66.29515839	0.059348974	0.043667909	0.002114007	17.13658333	0.038574141	13.55394745	0.001095136	0.001094869	5.49301E-06	0.006576329	0.000977988	0.019637594	0.014261774	5.58501E-06	14.58033085	1.58061E-05	0.000182714	0.00014996
2054 Feb	66.37284851	0.059417635	0.043673143	0.002113558	17.15611458	0.038567375	13.55602074	0.001095296	0.001095028	5.4938E-06	0.006577201	0.000979681	0.019631479	0.01431222	5.58574E-06	14.61838722	1.5813E-05	0.000183174	0.000150846
2054 Mar	66.41417694	0.059454154	0.043675374	0.002113284	17.16650009	0.038563147	13.55695629	0.001095367	0.0010951	5.49415E-06	0.006577582	0.000980589	0.019627875	0.014339465	5.58606E-06	14.63888741	1.58165E-05	0.000183421	0.000151327
2054 Apr	66.73158264	0.05973801	0.043869808	0.002122473	17.24836922	0.038731273	13.61744881	0.001100252	0.001099984	5.51865E-06	0.00660689	0.000985445	0.019712616	0.014418488	5.61095E-06	14.71537209	1.58884E-05	0.000184375	0.000152271
2054 May	71.43347168	0.06212233	0.042084314	0.001999896	18.1997509	0.036331266	13.04280472	0.001095804	0.001095563	5.49445E-06	0.006658811	0.001120204	0.018410519	0.01867271	5.57607E-06	17.73725128	1.6857E-05	0.000225715	0.000229555
2054 Jun	72.26669312	0.053906493	0.059085168	0.002316608	18.4811573	0.028927317	16.4717083	0.000964351	0.000963751	4.84794E-06	0.005691066	0.00089057	0.020810256	0.01450349	4.97077E-06	14.9375267	1.77678E-05	0.000189218	0.000201245
2054 Jul	66.14748383	0.046552155	0.056382604	0.002303823	17.09170914	0.034572624	15.86398888	0.000989883	0.000989171	4.97631E-06	0.005284268	0.000896993	0.020331509	0.012469207	5.09595E-06	13.00613308	1.3672E-05	0.000142457	0.000146386
2054 Aug	64.3191452	0.05120407	0.04888865	0.002112033	16.80305672	0.038375031	14.26418972	0.000997773	0.000997131	5.01206E-06	0.005279045	0.000948855	0.019804854	0.013322706	5.11359E-06	13.77536106	1.09906E-05	0.000155626	0.000139687
2054 Sep	66.87902832	0.065036535	0.048906077	0.002106618	17.7107563	0.04031441	14.57174587	0.000995557	0.000994881	5.00129E-06	0.005594736	0.000960441	0.020569805	0.013894983	5.10262E-06	14.62833881	1.10966E-05	0.000169297	0.000142221
2054 Oct	73.41299438	0.082160264	0.059153181	0.002351062	19.69965363	0.039928436	17.31540871	0.00097687	0.000975973	4.91404E-06	0.005914327	0.00093106	0.022437513	0.013896123	5.0397E-06	15.10260201	1.3428E-05	0.000166939	0.000154775
2054 Nov	76.31087494	0.086991847	0.064153701	0.002472799	20.5653801	0.039742004	18.58152008	0.000972019	0.000971014	4.89277E-06	0.005956505	0.000919076	0.023403089	0.013833458	5.03013E-06	15.26591969	1.41595E-05	0.000165664	0.000159814
2054 Dec	76.28511047	0.087134875	0.064011507	0.002469883	20.55600357	0.039787035	18.55206299	0.000972801	0.000971799	4.89659E-06	0.005968831	0.000920338	0.023382433	0.013854012	5.03362E-06	15.27881336	1.41723E-05	0.000165891	0.000159833
2055 Jan	76.30854797	0.087195672	0.063934959	0.002467477	20.55998039	0.039782159	18.53477097	0.000972915	0.000971915	4.89711E-06	0.005971933	0.000921865	0.023360305	0.013897851	5.03391E-06	15.30880451	1.4178E-05	0.000166297	0.000160509
2055 Feb	76.37350464	0.087236568	0.063914783	0.002466259	20.57543945	0.039766017	18.5301342	0.000972983	0.000971984	4.89742E-06	0.005972136	0.000923608	0.023346437	0.013951582	5.03411E-06	15.34772778	1.4184E-05	0.000166789	0.000161458
2055 Mar	76.44208527	0.087296791	0.063931622	0.002466669	20.59280777	0.039774545	18.53567696	0.000973444	0.000972444	4.89973E-06	0.005974847	0.000924959	0.023349054	0.013986892	5.0364E-06	15.37558651	1.41934E-05	0.000167128	0.000162045
2055 Apr	76.74281311	0.087629847	0.064159922	0.00247534	20.67318344	0.039915469	18.60224724	0.000977037	0.000976034	4.9178E-06	0.005996834	0.000928896	0.023430409	0.01405495	5.05494E-06	15.44412804	1.42473E-05	0.000167895	0.000162935
2055 May	77.97885132	0.089035735	0.06518238	0.002514749	21.00575447	0.040551543	18.89885712	0.000992686	0.000991667	4.99656E-06	0.006092892	0.000944001	0.023803132	0.014287206	5.13588E-06	15.69650173	1.44764E-05	0.00017065	0.000165671
2055 Jun	76.98969269	0.063529707	0.075979359	0.002690593	19.54910469	0.03163743	19.70054436	0.000964555	0.000962604	4.86677E-06	0.005813963	0.000865854	0.025189536	0.012041555	5.02793E-06	13.76166916	1.79796E-05	0.000170657	0.000158246
2055 Jul	70.49302673	0.051801112	0.064755909	0.002441488	17.3218441	0.032536674	16.6318512	0.001015971	0.001014035	5.11851E-06	0.006079494	0.000946806	0.022653431	0.012663636	5.25239E-06	13.47718239	1.76068E-05	0.00017194	0.000151174
2055 Aug	66.25052643	0.047925089	0.054362398	0.002223816	16.21630859	0.035774235	14.41023636	0.001053268	0.001051676	5.29809E-06	0.00611893	0.001016342	0.020784801	0.013548565	5.40803E-06	13.76228046	1.55028E-05	0.00017203	0.000146033
2055 Sep	63.15208054	0.060141183	0.043824658	0.001948442	15.7976017	0.038996276	12.43186283	0.001029665	0.001028375	5.17349E-06	0.006251337	0.001033135	0.019343806	0.014298528	5.25986E-06	14.41068459	1.32956E-05	0.000181448	0.000138622
2055 Oct	64.18339539	0.068826772	0.043578599	0.001942836	16.18678856	0.039881516	12.58184338	0.001027901	0.001026596	5.16469E-06	0.006501769	0.001041648	0.01936839	0.014644261	5.25073E-06	14.77138996	1.37725E-05	0.000183817	0.00014136
2055 Nov	64.25421143	0.07078515	0.043082297	0.001932169	16.22472382	0.040143169	12.52111721	0.001028917	0.001027625	5.16946E-06	0.006575689	0.001045491	0.019296877	0.014752631	5.25441E-06	14.86245537	1.388E-05	0.000184676	0.000141823
2055 Dec	64.30235291	0.071052141	0.043099582	0.001932713	16.24094772	0.040174212	12.53135109	0.001029004	0.001027712	5.16992E-06	0.006583589	0.001045865	0.019304104	0.014764359	5.25491E-06	14.87541008	1.38965E-05	0.000184768	0.000141935
2056 Jan	64.37809753	0.07117635	0.043083955	0.001931777	16.26098061	0.040170297	12.53073978	0.001029107	0.001027815	5.1704E-06	0.006586209	0.001047552	0.019293373	0.014817521	5.2553E-06	14.91548347	1.39067E-05	0.000185243	0.000142846
2056 Feb	64.47867584	0.071251802	0.043086998	0.001931064	16.28661537	0.040153798	12.53299141	0.001029233	0.001027943	5.17101E-06	0.006586434	0.001049684	0.019282728	0.014884702	5.25583E-06	14.9657526	1.39158E-05	0.000185851	0.000144059
2056 Mar	64.56785583	0.071331143	0.043111145	0.001931702	16.30924797	0.040166575	12.54081249	0.001029859	0.001028569	5.17414E-06	0.006590134	0.001051413	0.019287206	0.014929313	5.25896E-06	15.00117493	1.39282E-05	0.000186282	0.000144796
2056 Apr	64.87665558	0.071661532	0.043297473	0.001939802	16.38730812	0.040334728	12.59546185	0.001034338	0.001033042	5.19663E-06	0.006618622	0.001056597	0.019367021	0.015014161	5.28179E-06	15.08115959	1.3991E-05	0.00018727	0.00014579
2056 May	75.05299785	0.074664377	0.049798708	0.002009715	18.85470581	0.036483124	13.92575169	0.001027826	0.001026348	5.16661E-06	0.006504586	0.001197859	0.019485742	0.019981697	5.25933E-06	18.9034462	1.5865E-05	0.000236525	0.000249442
2056 Jun	82.87859344	0.068256877	0.083141863	0.002774876	20.68250847	0.030887958	20.43514061	0.000972429	0.000969036	4.91613E-06	0.005974238	0.000990103	0.026321907	0.014552007	5.08952E-06	15.72592735	1.91106E-05	0.000200883	0.000202869
2056 Jul	71.28900146	0.052664313	0.064624697	0.002403992	17.21068573	0.032551218	16.13410759	0.001030288	0.001027638	5.19287E-06	0.006287661	0.001014996	0.022606829	0.013778155	5.32524E-06	14.20325184	1.81496E-05	0.000186042	0.00016552
2056 Aug	63.30762863	0.046383787	0.04851412	0.002044552	15.32803631	0.03665106	12.78480339	0.001046952	0.001045011	5.26491E-06	0.006050733	0.001067945	0.019464038	0.014365818	5.36108E-06	14.0710535	1.41114E-05	0.000176367	0.0001493
2056 Sep	62.82031631	0.056165833	0.04303699	0.001930142	15.3435955	0.038946331	11.89997482	0.001061242	0.001059546	5.3325E-06	0.006449006	0.001096354	0.018855717	0.015065148	5.41628E-06	14.67053986	1.40388E-05	0.000184703	0.000148292
2056 Oct	66.69024658	0.078379661	0.047288071	0.001998975	16.79506683	0.040075175	13.29311562	0.001019529	0.001017544	5.12758E-06	0.006754994	0.001073198	0.019857379	0.015266995	5.22234E-06	15.29218769	1.48009E-05	0.000186619	0.000152614
2056 Nov	67.977005	0.082832038	0.049025476	0.002035839	17.21778488	0.040360484	13.7642231	0.001014019	0.001011933	5.10138E-06	0.006813374	0.001071002	0.020266941	0.015326304	5.20033E-06	15.46288872	1.50068E-05	0.000187394	0.000154374
2056 Dec	67.95772552	0.08296141	0.048914742	0.002033651	17.2130909	0.040393662	13.74449635	0.001014456	0.001012375	5.10349E-06	0.006821723	0.001071627	0.020250309	0.015339245	5.20218E-06	15.47152328	1.50139E-05	0.000187521	0.000154372
2057 Jan	68.00189209	0.083036423	0.048871972	0.002032307	17.22438812	0.040393032	13.73741245	0.001014624	0.001012546	5.10428E-06	0.00682416	0.001072974	0.020236723	0.015380609	5.20282E-06	15.50175953	1.50199E-05	0.000187897	0.000155045
2057 Feb	68.07615662	0.083085462	0.048868924	0.00203166	17.24326515	0.040380277	13.73801136	0.001014734	0.001012658	5.10481E-06	0.006824188	0.0010746	0.020227632	0.015431954	5.20328E-06	15.5400219	1.5026E-05	0.000188363	0.000155969
2057 Mar	68.19073486	0.083202586	0.048920412	0.002033516	17.27231979	0.040417228	13.75327587	0.001015898	0.00101382	5.11065E-06	0.006831625	0.001076657	0.020244664	0.015476762	5.20919E-06	15.57780743	1.50457E-05	0.000188822	0.000156643
2057 Apr	68.52690887	0.083599798	0.049144011	0.002042649	17.35749435	0.040598769	13.81659317	0.001020596	0.001018509	5.13427E-06	0.006862992	0.001082106	0.020334754	0.015563824	5.23324E-06	15.66125107	1.51167E-05	0.000189835	0.00015765
2057 May	72.89208984	0.083699316	0.048926659	0.002003896	18.31591415	0.038915198	13.72609138	0.001033358	0.00103137	5.19653E-06	0.006915529	0.001180101	0.019746136	0.018662546	5.29056E-06	17.92402458	1.60931E-05	0.00022132	0.000215625
2057 Jun	81.56951904	0.067183733	0.083820462	0.002759662	19.88192368	0.03069108	20.23697472	0.000971936	0.000967543	4.91704E-06	0.006139582	0.000993094	0.026987055	0.013756385	5.0957E-06	15.0860548	1.96176E-05	0.000198972	0.000185971
2057 Jul	72.61425781	0.054548264	0.068171456	0.00244992	17.10996437	0.031287841	16.58680344	0.001026658	0.001023008	5.1794E-06	0.006542313	0.00101574	0.023864571	0.013413853	5.32236E-06	14.08382893	1.96883E-05	0.000194767	0.000161981
2057 Aug	74.55786133	0.055777263	0.066656046	0.002481702	17.5847435	0.034791019	16.45059586	0.001102405	0.001098868	5.55671E-06	0.006900335	0.001101244	0.024238557	0.014552658	5.69525E-06	14.99514771	1.96005E-05	0.000204607	0.000167723
2057 Sep	71.48867798	0.061484404	0.057491437	0.002275832	17.0013237	0.037094329	14.74576855	0.001105422	0.00110242	5.56503E-06	0.007086085	0.001120077	0.022674	0.015111736	5.68259E-06	15.3082819	1.84175E-05	0.000207614	0.000162126
2057 Oct	67.92614746	0.070354946	0.048346717	0.002053437	16.3024025	0.038464945	13.07169819	0.001086912	0.001084433	5.46587E-06	0.007331152	0.00111816	0.020751927	0.01547301	5.56295E-06	15.40904713	1.782E-05	0.000206259	0.00015651
2057 Nov	67.69059753	0.071674265	0.04735649	0.002032041	16.26529694	0.038753238	12.90333939	0.001087934	0.001085513	5.47026E-06	0.007384086	0.001121343	0.020576203	0.01556532	5.56509E-06	15.4687376	1.78001E-05	0.000206721	0.00015629
2057 Dec	67.68492889	0.071818948	0.04727323	0.002030494	16.26580811	0.038790632	12.89039803	0.001088305	0.001085888	5.47205E-06	0.00739102	0.001121929	0.020564476	0.015578086	5.56669E-06	15.47834682	1.78027E-05	0.000206817	0.000156308
2058 Jan	67.71427917	0.071887769	0.047233008	0.002029102	16.27455711	0.038787287	12.8838377	0.001088218	0.001085805	5.47157E-06	0.007391451	0.00112287	0.020549962	0.015610962	5.56608E-06	15.5020771	1.78021E-05	0.000207086	0.000156857
2058 Feb	67.77493286	0.071933672	0.047229588	0.002028474	16.29055977	0.038775925	12.88437557	0.001088222	0.001085811	5.47158E-06	0.007390824	0.001124177	0.020541221	0.015653851	5.56602E-06	15.53399277	1.78048E-05	0.000207462	0.000157636
2058 Mar	67.8296051	0.071981646	0.047242783	0.002028778	16.30448151	0.038782094	12.88877773	0.001088572	0.001086161	5.47332E-06	0.007392839	0.001125247	0.020543005	0.015682224	5.56776E-06	15.55634785	1.7812E-05	0.000207734	0.00015811
2058 Apr	68.04055786	0.072199769	0.047375511	0.002034328	16.35563469	0.038888391	12.92544651	0.001091656	0.001089238	5.48882E-06	0.007413581	0.00112884	0.020598464	0.015739979	5.58351E-06	15.61033058	1.78633E-05	0.000208439	0.0001588
2058 May	78.0736618	0.076454267	0.054841563	0.002120062	18.84344101	0.036043558	14.64853954	0.001073255	0.001070473	5.40047E-06	0.007149391	0.001255142	0.021280752	0.020132693	5.50736E-06	19.1130619	1.87628E-05	0.000249831	0.00025082
2058 Jun	95.41647339	0.081011556	0.101234324	0.003072234	22.59548378	0.032207064	25.03819084	0.000969336	0.000962352	4.91845E-06	0.006148062	0.001114893	0.032660145	0.015628817	5.14914E-06	17.39529419	2.02894E-05	0.000218552	0.000225694
2058 Jul	87.56105042	0.070118852	0.089202553	0.002868748	20.27644539	0.033306543	22.10393715	0.001030818	0.001024418	5.21731E-06	0.006579439	0.001117596	0.030354433	0.014680274	5.42028E-06	16.10103035	2.05865E-05	0.00021045	0.000192973
2058 Aug	79.77836609	0.062579125	0.073571913	0.002555024	18.52822685	0.036433186	18.70917511	0.001064887	0.001059698	5.37569E-06	0.006523004	0.001155198	0.026914027	0.015192545	5.54025E-06	15.87897396	1.78366E-05	0.000203403	0.000179369
2058 Sep	72.50976563	0.078004785	0.055648725	0.002135938	17.31913185	0.039435703	15.2421875	0.001034097	0.001030196	5.20847E-06	0.006897307	0.001138626	0.023130445	0.015736274	5.33041E-06	16.0267067	1.61272E-05	0.000203191	0.000164852
2058 Oct	74.45600891	0.093354024	0.056479152	0.002138199	18.1036729	0.040740725	15.7940073	0.001012314	0.001008216	5.10054E-06	0.007160449	0.001139139	0.023394758	0.016130904	5.22563E-06	16.55033112	1.64644E-05	0.000204357	0.000168574
2058 Nov	74.9101181	0.094900064	0.05686089	0.002147812	18.23839188	0.040961146	15.91873932	0.001013438	0.001009299	5.10647E-06	0.007200571	0.00114265	0.023520978	0.01620947	5.23257E-06	16.6462326	1.65463E-05	0.000205074	0.000169499
2058 Dec	74.86117554	0.094976664	0.056725781	0.002145061	18.22810745	0.040983889	15.89176273	0.001013672	0.001009544	5.10754E-06	0.007206279	0.001142864	0.02349288	0.016216706	5.2333E-06	16.64855003	1.65463E-05	0.000205114	0.00016943
2059 Jan	74.88153839	0.09501607	0.056664772	0.002143277	18.2345314	0.04097591	15.87940979	0.001013671	0.001009549	5.10748E-06	0.00720691	0.001143865	0.023471553	0.016252339	5.23304E-06	16.67307091	1.65472E-05	0.000205415	0.000170023
2059 Feb	74.94373322	0.095049597	0.056653515	0.002142474	18.25090218	0.040961295	15.87766743	0.001013727	0.001009608	5.10772E-06	0.007206307	0.001145309	0.023459421	0.016299866	5.23319E-06	16.70788956	1.65512E-05	0.000205837	0.000170885
2059 Mar	74.97763062	0.095067829	0.056647349	0.002142035	18.25982285	0.040953301	15.87671089	0.001013757	0.00100964	5.10786E-06	0.007205974	0.001146095	0.02345279	0.016325781	5.23327E-06	16.7268734	1.65533E-05	0.000206068	0.000171355
2059 Apr	75.25069427	0.095399939	0.05683551	0.002149033	18.32670784	0.041087314	15.92988682	0.001017204	0.001013074	5.12522E-06	0.007230168	0.001150423	0.023528364	0.016395826	5.25103E-06	16.79431725	1.66106E-05	0.000206896	0.000172203
2059 May	83.04292297	0.093979456	0.061387263	0.002192818	20.08943748	0.037996188	16.81579399	0.001021103	0.001016761	5.14619E-06	0.007081628	0.001273817	0.023641162	0.020416547	5.27703E-06	19.84180832	1.78767E-05	0.000247629	0.000255065
2059 Jun	93.65219879	0.077266999	0.08929047	0.002766767	21.58516121	0.030763887	22.34785843	0.000998454	0.000991348	5.05442E-06	0.006547443	0.001226993	0.030064186	0.018586986	5.25688E-06	19.11763	2.13971E-05	0.000251451	0.000267735
2059 Jul	88.54690552	0.069108114	0.080432355	0.00264875	19.98355103	0.031827856	20.20516777	0.001071969	0.001065612	5.41528E-06	0.007103639	0.001236826	0.02857963	0.017943004	5.59595E-06	18.26014328	2.24927E-05	0.000250238	0.000243082
2059 Aug	88.59634399	0.068854555	0.077397443	0.002632671	20.05026054	0.034656622	19.6599884	0.001126487	0.001120415	5.68539E-06	0.007323691	0.00129268	0.028370706	0.01862083	5.85797E-06	18.73131943	2.19982E-05	0.000254401	0.00024245
2059 Sep	80.07779694	0.075815931	0.06064488	0.002264823	18.45292473	0.037589341	16.2567749	0.001110113	0.001105458	5.59116E-06	0.007507349	0.001261745	0.024741324	0.018363407	5.72347E-06	18.16745567	1.98389E-05	0.000244334	0.000215748
2059 Oct	75.58711243	0.102215089	0.05440503	0.002066213	18.25732613	0.040834911	15.67797184	0.001004378	0.000999949	5.05938E-06	0.007484426	0.001164776	0.023264946	0.016981352	5.18211E-06	17.25173378	1.73537E-05	0.000213979	0.000180221
2059 Nov	76.68969727	0.105264053	0.056220636	0.002104681	18.58492661	0.041281715	16.17723656	0.001000408	0.00099578	5.04105E-06	0.007491383	0.001165151	0.023771303	0.01694594	5.16888E-06	17.3344059	1.7315E-05	0.00021289	0.000179889

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Dec	76.62801361	0.105308644	0.056076471	0.002101762	18.57187271	0.041301887	16.14704132	0.001000621	0.000996006	5.04201E-06	0.007496062	0.001165233	0.023739425	0.016950341	5.16947E-06	17.33374023	1.73116E-05	0.000212896	0.000179775
2060 Jan	76.6578598	0.105348393	0.056021761	0.002100269	18.58080864	0.041298989	16.13602638	0.001000788	0.00099618	5.04279E-06	0.007497338	0.001166421	0.023720097	0.016989123	5.17006E-06	17.36096573	1.73139E-05	0.000213231	0.000180409
2060 Feb	76.73059845	0.105386756	0.056016207	0.002099671	18.59988594	0.041287538	16.13566399	0.001000963	0.000996358	5.04363E-06	0.007497251	0.00116806	0.023709495	0.017040832	5.17081E-06	17.39924812	1.73192E-05	0.000213696	0.000181336
2060 Mar	76.80786133	0.105459496	0.056040805	0.002100382	18.61940002	0.041301679	16.14342117	0.001001551	0.000996946	5.04658E-06	0.007500899	0.001169524	0.023715427	0.017077271	5.17377E-06	17.42858315	1.73307E-05	0.000214054	0.000181927
2060 Apr	77.1943512	0.105971538	0.056305043	0.002110168	18.71352577	0.041494191	16.21991348	0.001006356	0.001001731	5.07078E-06	0.007536466	0.00117557	0.023824748	0.017173965	5.19855E-06	17.52287483	1.74146E-05	0.00021521	0.000183071
2060 May	93.48788452	0.096289016	0.067904942	0.002233795	22.23621368	0.033902738	18.44134521	0.001003559	0.000998281	5.0614E-06	0.00693013	0.001422017	0.024477093	0.025225639	5.20558E-06	23.60556793	1.96406E-05	0.000297041	0.000356065
2060 Jun	100.6407242	0.084601142	0.102032632	0.003025138	22.74721527	0.032223653	25.91643333	0.000990707	0.000980964	5.02643E-06	0.006528089	0.001245657	0.034727246	0.017713916	5.2725E-06	19.13616562	2.16689E-05	0.000246173	0.000257602
2060 Jul	96.02516174	0.07709825	0.094534419	0.002945142	21.32001114	0.033683762	24.04759598	0.001068184	0.001059077	5.40823E-06	0.007085192	0.001255226	0.033564772	0.01693383	5.63569E-06	18.22624779	2.27207E-05	0.000243343	0.000230461
2060 Aug	83.78677368	0.069103241	0.07301347	0.002489664	18.95519066	0.037386037	19.22758675	0.001068885	0.001061951	5.39539E-06	0.006731356	0.001235714	0.028597157	0.016718086	5.56771E-06	17.38347244	1.7939E-05	0.00022892	0.000199223
2060 Sep	79.50678253	0.088018782	0.063512005	0.002235768	18.83621979	0.041185386	17.6888504	0.001000072	0.000993727	5.04479E-06	0.006611876	0.001189694	0.026683355	0.016553925	5.19596E-06	17.36554718	1.46304E-05	0.000217915	0.000179148
2060 Oct	90.58544159	0.106117174	0.080850042	0.002602854	21.36506653	0.041114859	22.02651978	0.000993437	0.000984987	5.02512E-06	0.006986289	0.001229894	0.03089202	0.017135577	5.22325E-06	18.47489929	1.75159E-05	0.000223289	0.000203148
2060 Nov	93.31759644	0.109444343	0.085257009	0.002695666	21.96396446	0.041061442	23.11408615	0.000992405	0.00098339	5.02336E-06	0.007037367	0.00124048	0.032012343	0.017252963	5.23357E-06	18.73348618	1.81018E-05	0.000224835	0.000208827
2060 Dec	93.26740265	0.109529033	0.085104428	0.002692964	21.95459557	0.041096132	23.08269882	0.000993005	0.000984007	5.02624E-06	0.007045677	0.001240896	0.03197987	0.017263398	5.23605E-06	18.73773766	1.81062E-05	0.000224906	0.000208755
2061 Jan	93.31269836	0.109563693	0.085074529	0.002691868	21.96721649	0.041084144	23.0766201	0.000993079	0.000984086	5.02657E-06	0.007045856	0.001242152	0.031963356	0.017305972	5.23623E-06	18.76813507	1.81104E-05	0.000225274	0.000209508
2061 Feb	93.38583374	0.109591313	0.085063435	0.002690969	21.9867115	0.041063864	23.07435417	0.000993136	0.000984148	5.02682E-06	0.007044684	0.001243841	0.03194784	0.017362546	5.23637E-06	18.80931091	1.8115E-05	0.000225774	0.000210547
2061 Mar	93.44567108	0.109637164	0.085069038	0.002690991	22.0022049	0.041065507	23.07684708	0.000993461	0.000984475	5.02843E-06	0.007046293	0.001245099	0.031945396	0.017398275	5.23794E-06	18.83665085	1.8122E-05	0.000226107	0.000211158
2061 Apr	93.89276886	0.11014881	0.085446954	0.002702877	22.10830498	0.041248381	23.18000984	0.000998047	0.000989022	5.05162E-06	0.007078446	0.001251332	0.032084942	0.017495833	5.26204E-06	18.93569183	1.82063E-05	0.000227299	0.000212443
2061 May	102.9525986	0.104255438	0.089004092	0.002698847	23.92315483	0.036440626	23.83050537	0.001004267	0.000994826	5.0824E-06	0.006862857	0.001420439	0.031745784	0.022914547	5.29503E-06	22.8955574	1.99493E-05	0.00028239	0.000323811
2061 Jun	103.3070831	0.086620159	0.106504276	0.003087756	22.55027962	0.032731522	27.2701683	0.000995795	0.000981344	5.05353E-06	0.006719122	0.001296898	0.03764379	0.017320106	5.32823E-06	19.07566452	2.24095E-05	0.000251515	0.000248934
2061 Jul	92.80599976	0.072679788	0.08927986	0.002798331	19.95525169	0.034219604	23.02626801	0.001069375	0.001057181	5.40833E-06	0.007094104	0.001296334	0.03334577	0.016792985	5.63601E-06	17.8250103	2.2032E-05	0.000240897	0.000219661
2061 Aug	91.58245087	0.070803478	0.084455989	0.002746504	19.78246689	0.036987837	22.01743889	0.001123362	0.001111914	5.67451E-06	0.007270046	0.001347146	0.032445911	0.017466614	5.88825E-06	18.16924858	2.12808E-05	0.000242189	0.000218161
2061 Sep	83.97081757	0.073595293	0.069665745	0.002429603	18.49218559	0.038926497	18.79001999	0.001111904	0.001102611	5.60636E-06	0.007326717	0.001311645	0.028831378	0.017412622	5.77988E-06	17.77707672	1.92941E-05	0.000236601	0.000200156
2061 Oct	78.77558899	0.099542066	0.058330722	0.002120479	18.19307709	0.040929534	16.87697029	0.001019709	0.001011639	5.13743E-06	0.007533487	0.001237462	0.025681144	0.01733944	5.28345E-06	17.66104507	1.78097E-05	0.000223374	0.000186255
2061 Nov	81.55202484	0.106771216	0.062322259	0.002191275	18.94829178	0.041417956	17.98076248	0.001004106	0.000995276	5.06237E-06	0.007546512	0.001243621	0.026794706	0.017505607	5.32036E-06	18.02799988	1.78966E-05	0.000224565	0.000191102
2061 Dec	81.56565094	0.106859379	0.062300418	0.002191169	18.95320129	0.041443214	17.97880173	0.001004485	0.000995658	5.06424E-06	0.007551137	0.001244057	0.026794128	0.017513936	5.22218E-06	18.03534126	1.79017E-05	0.000224643	0.000191138
2062 Jan	81.67832184	0.10692171	0.062384874	0.002192525	18.98063469	0.041433223	17.99951553	0.001004606	0.000995769	5.06489E-06	0.007550252	0.001245634	0.026808973	0.017558724	5.223E-06	18.07209206	1.79107E-05	0.000225071	0.000192013
2062 Feb	81.7596283	0.10696242	0.062381513	0.00219192	19.00244904	0.041418873	17.99938393	0.001004773	0.000995942	5.0657E-06	0.007549805	0.001247411	0.026796468	0.017616238	5.2237E-06	18.1146698	1.79163E-05	0.000225584	0.000193054
2062 Mar	81.90397644	0.107118487	0.062453002	0.002194241	19.03766441	0.04146333	18.0207634	0.00100613	0.000997292	5.07252E-06	0.007559127	0.001249937	0.026821967	0.017669728	5.23065E-06	18.16045761	1.79417E-05	0.000226145	0.000193859
2062 Apr	82.32281494	0.107647493	0.062750235	0.002204575	19.13597298	0.041658945	18.1069622	0.001011036	0.001002157	5.09724E-06	0.007595488	0.001256515	0.026946638	0.017772907	5.25609E-06	18.26123238	1.80299E-05	0.000227395	0.000195116
2062 May	83.46800232	0.109134369	0.063611679	0.002234821	19.40251923	0.042230718	18.3557415	0.001025012	0.001016012	5.16769E-06	0.00770024	0.001274097	0.027315456	0.018026419	5.32871E-06	18.51911926	1.82796E-05	0.000230608	0.000197958
2062 Jun	94.72024536	0.085400954	0.091979563	0.002782967	20.35809708	0.03384535	24.14199448	0.001003287	0.000988344	5.07732E-06	0.007056348	0.001271346	0.034838747	0.016440066	5.32254E-06	17.93157959	2.19288E-05	0.000242793	0.000216958
2062 Jul	85.47373199	0.064947695	0.079798609	0.002556808	17.9703331	0.033493847	20.89286041	0.001038086	0.001024456	5.24127E-06	0.006844562	0.001266098	0.031195257	0.015901051	5.45363E-06	16.63841057	2.05625E-05	0.000226781	0.000199147
2062 Aug	76.75385284	0.064220518	0.062738322	0.002196005	16.98393822	0.038995352	17.23821068	0.001025107	0.001014343	5.16433E-06	0.006255155	0.001250232	0.027257705	0.016158145	5.32874E-06	16.53922844	1.44E-05	0.000214868	0.000175833
2062 Sep	92.85916901	0.096871048	0.084259681	0.002626204	20.7798233	0.040670328	22.98863411	0.001007431	0.000991949	5.08983E-06	0.006844105	0.001327106	0.033737663	0.017433001	5.31936E-06	18.73373985	1.7438E-05	0.000236826	0.000208136
2062 Oct	101.0874252	0.118200801	0.094587922	0.002828867	22.56572342	0.041567486	25.9015255	0.001002064	0.000982196	5.06539E-06	0.007436691	0.001385523	0.037047211	0.018216997	5.33274E-06	19.87328529	2.0027E-05	0.00024874	0.0002251
2062 Nov	99.94021606	0.118638813	0.092151456	0.002782465	22.35279274	0.04188088	25.35542297	0.001006466	0.000986957	5.08548E-06	0.007508048	0.001384261	0.036429688	0.018266542	5.34602E-06	19.83502197	1.99614E-05	0.000248481	0.000222938
2062 Dec	99.83485413	0.118673243	0.091924816	0.002778233	22.33407021	0.041909296	25.30464172	0.001006898	0.000987441	5.0875E-06	0.007514474	0.00138404	0.036369842	0.018271472	5.34736E-06	19.83183289	1.99551E-05	0.000248444	0.000222752
2063 Jan	99.82528687	0.118687764	0.091811374	0.002775583	22.33637047	0.041903645	25.27855873	0.001007013	0.000987586	5.088E-06	0.007515403	0.001384843	0.036329649	0.018307667	5.34744E-06	19.85455132	1.99525E-05	0.000248716	0.000223315
2063 Feb	99.87985229	0.118714638	0.091779217	0.002774468	22.35237122	0.041891094	25.27136993	0.001007166	0.000987753	5.08872E-06	0.007515176	0.001386299	0.036309637	0.018357959	5.34798E-06	19.89061546	1.99557E-05	0.00024915	0.000224204
2063 Mar	99.93284607	0.118756928	0.091783077	0.002774506	22.36629677	0.041894011	25.27333641	0.001007484	0.000988074	5.0903E-06	0.007516802	0.001387416	0.03630719	0.01838964	5.34952E-06	19.91489983	1.99621E-05	0.000249445	0.000224741
2063 Apr	100.2098923	0.119074352	0.092011943	0.00278138	22.42948151	0.041999139	25.33687401	0.001010153	0.000990697	5.10378E-06	0.007536293	0.001391479	0.036395453	0.018453138	5.36361E-06	19.97793961	2.0015E-05	0.000250229	0.000225603
2063 May	104.9017029	0.113671459	0.092374526	0.002742384	23.44155121	0.038877204	25.17174339	0.001017556	0.000998186	5.13849E-06	0.007372524	0.00149873	0.035465721	0.022068964	5.39293E-06	22.5233078	2.09069E-05	0.000286559	0.000298097
2063 Jun	106.0160446	0.090361156	0.111351252	0.003113821	22.24478722	0.033090845	28.31400299	0.000995313	0.000963981	5.02021E-06	0.00691128	0.001441689	0.041257802	0.017867694	5.35293E-06	19.52664566	2.31709E-05	0.000275626	0.000253042
2063 Jul	92.68955994	0.074133731	0.091730773	0.002762186	19.18366814	0.033317935	23.35642052	0.001040146	0.001013212	5.23211E-06	0.00710496	0.001379349	0.035687082	0.016655179	5.50603E-06	17.63941956	2.23952E-05	0.000256343	0.000215621
2063 Aug	89.0198288	0.070551641	0.082737438	0.002626525	18.6278019	0.03644016	21.40531349	0.001090076	0.001066044	5.47838E-06	0.007187868	0.001406562	0.03352135	0.017198604	5.72278E-06	17.76790619	2.07917E-05	0.000252796	0.000208586
2063 Sep	75.09722137	0.069587842	0.056585897	0.002082513	16.4168129	0.039566372	15.63280869	0.00106913	0.001053277	5.36411E-06	0.007009564	0.001306504	0.026611364	0.016841114	5.52531E-06	16.90196228	1.64255E-05	0.000236819	0.000175527
2063 Oct	79.34870148	0.091938846	0.061150495	0.002144689	17.74057388	0.040740106	17.20617294	0.001028847	0.001011028	5.16349E-06	0.007343917	0.001315631	0.027793728	0.017373661	5.34203E-06	17.66332054	1.73438E-05	0.00023794	0.000185078
2063 Nov	80.24407196	0.095371924	0.062044922	0.002161714	17.99103546	0.041043174	17.49681091	0.001026815	0.001008642	5.15351E-06	0.007415489	0.001321675	0.028070273	0.017508795	5.33526E-06	17.83296776	1.75349E-05	0.000238957	0.000187101
2063 Dec	80.21876526	0.095501646	0.061918914	0.002159872	17.9901371	0.041088466	17.47278404	0.00102756	0.001009429	5.15719E-06	0.007424812	0.001322087	0.028042233	0.017521953	5.33852E-06	17.84137917	1.75412E-05	0.00023903	0.000187076
2064 Jan	80.24061584	0.095553681	0.061852049	0.002158187	17.99944305	0.041084412	17.4589138	0.001027652	0.001009549	5.15762E-06	0.007425957	0.001323006	0.028014977	0.017559817	5.33867E-06	17.86759567	1.75425E-05	0.000239321	0.000187701
2064 Feb	80.31703186	0.095605694	0.061846178	0.002157676	18.02037621	0.041075543	17.45871353	0.001027876	0.001009785	5.15873E-06	0.007426391	0.001324642	0.028002921	0.017613044	5.33966E-06	17.90724754	1.7549E-05	0.00023979	0.000188649
2064 Mar	80.47434998	0.095771812	0.061932188	0.00216051	18.05772591	0.041129969	17.48378181	0.001029479	0.001011369	5.16677E-06	0.007437338	0.001327441	0.028036764	0.017667335	5.34789E-06	17.95459557	1.75778E-05	0.00024039	0.000189436
2064 Apr	80.7230072	0.096055984	0.062103994	0.002166411	18.11467171	0.041242566	17.53272438	0.001032433	0.001014275	5.18158E-06	0.007458314	0.001331657	0.0281117	0.017732952	5.36318E-06	18.01691246	1.7629E-05	0.000241205	0.000190253
2064 May	93.61923981	0.098399155	0.07536111	0.002380602	20.75564194	0.038163032	20.6865387	0.001031687	0.001009375	5.17938E-06	0.007297086	0.001489651	0.031145591	0.021739755	5.39942E-06	21.41039276	1.95586E-05	0.000286294	0.000278924
2064 Jun	101.6695557	0.083030783	0.100385882	0.002877496	20.70678711	0.031850524	26.25737	0.001015179	0.00098033	5.09231E-06	0.007145191	0.001469605	0.03941565	0.018377358	5.4127E-06	19.50479698	2.3844E-05	0.000286481	0.000255653
2064 Jul	82.55654907	0.060884137	0.073033728	0.002373408	16.66184998	0.032729696	19.41385651	0.001049431	0.001024401	5.25801E-06	0.007041651	0.001356194	0.030893985	0.016680861	5.48645E-06	16.83396721	2.10927E-05	0.000246439	0.000204802
2064 Aug	76.48542786	0.057479236	0.063107178	0.002183792	16.00343323	0.037250496	17.32394218	0.001049282	0.001027578	5.25489E-06	0.006480788	0.001353901	0.027972199	0.016737813	5.45134E-06	16.49469185	1.62921E-05	0.000222525	0.000187583
2064 Sep	90.9259491	0.09569452	0.079246312	0.002477304	19.74081993	0.040825218	22.12734032	0.001013098	0.000984385	5.07419E-06	0.006982465	0.001425266	0.034230448	0.018077239	5.3303E-06	18.95093346	1.74841E-05	0.000254156	0.000210197
2064 Oct	96.70027161	0.108312972	0.086212926	0.002621971	20.9962368	0.041550048	24.10253143	0.001017623	0.00098597	5.09703E-06	0.007350144	0.001470653	0.036520746	0.018709654	5.37857E-06	19.80958557	1.91002E-05	0.000263849	0.000223128
2064 Nov	96.97102356	0.108822711	0.086303726	0.002627878	21.06212044	0.041751891	24.14184952	0.001022185	0.000990505	5.11985E-06	0.00738789	0.001476004	0.036594592	0.018789189	5.40162E-06	19.8852253	1.9172E-05	0.000264813	0.000223798
2064 Dec	96.92379761	0.108879782	0.086180992	0.002625832	21.05566597	0.041777454	24.11497688	0.001022608	0.000990976	5.12195E-06	0.007393486	0.001475949	0.036561556	0.018794607	5.40329E-06	19.88636589	1.91725E-05	0.000264804	0.000223713
2065 Jan	96.92056274	0.108899221	0.086113326	0.002624271	21.0584507	0.041773997	24.09929466	0.001022667	0.000991068	5.12224E-06	0.007394222	0.001476376	0.036535356	0.018817505	5.40329E-06	19.90101814	1.91716E-05	0.000264964	0.000224076
2065 Feb	96.9708252	0.108936414	0.086107187	0.002623986	21.07235718	0.04177177	24.09855652	0.001022902	0.000991313	5.12341E-06	0.007395165	0.001477484	0.036527406	0.018852489	5.40437E-06	19.927145	1.91767E-05	0.000265275	0.000224683
2065 Mar	97.15460205	0.109132364	0.08624272	0.002628062	21.11392021	0.041837923	24.1370182	0.00102468	0.000993046	5.13231E-06	0.007407606	0.00148047	0.036581982	0.018901952	5.41368E-06	19.97352028	1.92104E-05	0.000265872	0.000225376
2065 Apr	97.65660858	0.109690242	0.0866725	0.002641128	21.22394753	0.042046655	24.25760841	0.001029882	0.000998093	5.15837E-06	0.00744498	0.001488227	0.036762618	0.019007482	5.44111E-06	20.08165169	1.93082E-05	0.0002673	0.000226694
2065 May	105.6578217	0.101859726	0.084334157	0.002488106	23.06336594	0.035233468	23.36604691	0.001025831	0.000996702	5.1364E-06	0.007169361	0.001671094	0.033708405	0.026255246	5.39504E-06	25.10648155	2.12408E-05	0.000336068	0.000372703
2065 Jun	109.8558121	0.089944497	0.109014258	0.003028472	21.95525742	0.032826014	29.6016922	0.001010646	0.000966697	5.05123E-06	0.007104962	0.001567845	0.043840658	0.01927332	5.42514E-06	20.75045586	2.41078E-05	0.000300788	0.000274721
2065 Jul	103.3431625	0.080568776	0.098967984	0.002913039	20.38072014	0.03453109	26.96942711	0.001091568	0.001051302	5.45411E-06	0.007594568	0.001552797	0.041327171	0.01841961	5.79335E-06	19.64107704	2.46365E-05	0.000291416	0.000244896
2065 Aug	95.58253479	0.075174317	0.084610857	0.002659689	19.24875069	0.037765488	23.49279594	0.001123939	0.001089989	5.61655E-06	0.007508466	0.001528913	0.037202083	0.018524695	5.90258E-06	19.26361084	2.179E-05	0.000280278	0.000226841
2065 Sep	83.4336853	0.092202142	0.063128375	0.002169222	17.899683	0.040603388	18.81414604	0.00103966	0.001014265	5.19461E-06	0.007452944	0.001389645	0.030406853	0.017990598	5.40644E-06	18.39761925	1.8148E-05	0.000253031	0.000196776
2065 Oct	106.3976822	0.118553534	0.096947171	0.002809822	22.28361511	0.041186668	28.17102242	0.001007213	0.000964926	5.02454E-06	0.007566602	0.001563723	0.041789029	0.019405583	5.37055E-06	21.00407982	2.1088E-05	0.000281381	0.000243948
2065 Nov	106.031189	0.119381569	0.095715396	0.00278855	22.22042465	0.04147834	27.96515083	0.001010914	0.000968877	5.04213E-06	0.0076269	0.00156446	0.04154418	0.019457381	5.38486E-06	21.02619362	2.1098E-05	0.00028134	0.000242991
2065 Dec	105.8736649	0.11939051	0.095433906	0.002783243	22.19518852	0.041501474	27.89537811	0.001011151	0.000969244	5.04335E-06	0.007631918	0.001563343	0.041454129	0.019454986	5.38501E-06	21.01450539	2.1083E-05	0.00028114	0.000242674
2066 Jan	105.8953857	0.119416595	0.095367536	0.002781629	22.20535278	0.041495658	27.87883759	0.00101133	0.000969464	5.04425E-06	0.00763256	0.001564318	0.041423079	0.019495804	5.38558E-06	21.04235649	2.10834E-05	0.000281457	0.000243355
2066 Feb	106.0006104	0.119493328	0.09537942	0.002781727	22.23325157	0.041497581	27.88301468	0.00101189	0.000970035	5.04706E-06	0.007635043	0.001566472	0.041417319	0.019558737	5.38829E-06	21.0904808	2.10951E-05	0.000282035	0.000244441
2066 Mar	106.3031006	0.119815886	0.095602922	0.00278818	22.30008698	0.041596554	27.94901848	0.001014576	0.000972633	5.06046E-06	0.007654438	0.001571299	0.041509133	0.019639034	5.40243E-06	21.16603661	2.11507E-05	0.000283009	0.000245601
2066 Apr	106.6846619	0.120235428	0.095918305	0.00279734	22.38206291	0.041734762	28.04159546	0.001018103	0.000976027	5.07806E-06	0.007680546	0.001577142	0.041643076	0.019723495	5.42111E-06	21.2507782	2.12239E-05	0.000284121	0.000246747
2066 May	108.091774	0.119358644	0.094998732	0.002773125	22.75181961	0.041140411	27.74995422	0.001030054	0.0009888	5.13796E-06	0.007713581	0.001616721	0.041032847	0.021084435	5.47418E-06	22.2024498	2.15887E-05	0.000297074	0.000271294
2066 Jun	103.718277	0.082344316	0.099486552	0.00283753	20.07463264	0.031999167	27.88780403	0.001016236	0.000968356	5.05277E-06	0.007240067	0.001537252	0.042496033	0.018086564	5.41914E-06	19.52658081	2.43211E-05	0.000294898	0.000248781
2066 Jul	85.92977905	0.06117107	0.073156558	0.002394138	16.46844482	0.033010606	20.72402573	0.001092711	0.001057698	5.44061E-06	0.007518155	0.001438821	0.033746239	0.016932225	5.70436E-06	17.2956295	2.30388E-05	0.00026581	0.000205623
2066 Aug	80.07401276	0.056685265	0.062243264	0.002214316	15.73695278	0.036472797	18.04579735	0.001128097	0.001098874	5.62134E-06	0.007400998	0.001435619	0.030370994	0.017242555	5.84147E-06	17.11983299	2.03094E-05	0.000253339	0.000193229
2066 Sep	74.50390625	0.070660405	0.050353758	0.001955926	15.44725037	0.039182443	15.46943665	0.001094292	0.001071012	5.45594E-06	0.007525673	0.001369599	0.02672842	0.017338188	5.63081E-06	17.07406235	1.83389E-05	0.000243704	0.000179326
2066 Oct	79.225914	0.097209483	0.054430868	0.001990719	17.01750755	0.041140415	17.2356472	0.001036103	0.001009867	5.16185E-06	0.007762863	0.001376606	0.028243968	0.017945478	5.35692E-06	18.05499077	1.84173E-05	0.000246584	0.000187953

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Nov	82.43036652	0.102812044	0.058824215	0.002069366	17.70041847	0.0414459	18.51444817	0.001026718	0.000997951	5.11284E-06	0.007788296	0.001399179	0.029788876	0.018180475	5.3263E-06	18.47624779	1.87063E-05	0.000250927	0.000194308
2066 Dec	82.39754486	0.102930345	0.058698129	0.00206762	17.70000076	0.04149244	18.48640633	0.001027496	0.000998799	5.11678E-06	0.007797185	0.001399414	0.029754786	0.018192602	5.32972E-06	18.48341751	1.871E-05	0.000250972	0.000194262
2067 Jan	82.42272186	0.102980085	0.058636829	0.002066133	17.71154213	0.041490324	18.47132874	0.001027664	0.000999013	5.11765E-06	0.007798311	0.001400354	0.02972517	0.018232785	5.33026E-06	18.51134872	1.87107E-05	0.000251278	0.000194925
2067 Feb	82.51948547	0.103052326	0.058645889	0.00206612	17.73757362	0.041489977	18.47453117	0.001028126	0.000999488	5.11997E-06	0.007800244	0.001402325	0.029717993	0.018292068	5.33248E-06	18.55650902	1.87208E-05	0.000251816	0.000195955
2067 Mar	82.65860748	0.103199534	0.058712173	0.002068273	17.77033043	0.041533183	18.49559975	0.001029454	0.001000793	5.1266E-06	0.007809456	0.001404867	0.029745158	0.018343551	5.33927E-06	18.60056496	1.87459E-05	0.000252373	0.000196722
2067 Apr	82.91145325	0.103500068	0.058873158	0.002073841	17.82631874	0.041644957	18.54642105	0.001032371	0.001003637	5.14113E-06	0.007831097	0.001409266	0.029823048	0.018411454	5.35435E-06	18.66475487	1.87995E-05	0.000253221	0.000197574
2067 May	94.35135651	0.097217217	0.062249273	0.002039443	20.43913269	0.035339691	18.94447136	0.001032484	0.001004539	5.14185E-06	0.007474617	0.001622409	0.028480927	0.025910966	5.34891E-06	24.11514091	2.06683E-05	0.000327127	0.000350282
2067 Jun	105.9378738	0.083351009	0.096966587	0.002769518	20.42087936	0.031770289	27.94968224	0.001024364	0.000974319	5.08098E-06	0.007287287	0.001602246	0.042389031	0.019791739	5.44852E-06	20.81033516	2.4532E-05	0.00031139	0.000277555
2067 Jul	94.16235352	0.06904614	0.080620676	0.002521627	17.97450256	0.033089072	23.39860916	0.001091227	0.001050103	5.42231E-06	0.007585803	0.001531086	0.037072413	0.018510981	5.72396E-06	18.99635696	2.39448E-05	0.000288427	0.000238219
2067 Aug	73.94872284	0.05010042	0.053199474	0.001998974	14.68687439	0.036982298	16.11974716	0.001092066	0.001065992	5.43888E-06	0.006801681	0.001408596	0.026996842	0.017361935	5.63013E-06	16.64690018	1.71826E-05	0.000230794	0.000191057
2067 Sep	72.75160217	0.064943932	0.047852255	0.001880881	15.11145115	0.039576218	15.1630921	0.001071799	0.001048425	5.33949E-06	0.007004078	0.001374365	0.025927305	0.017511772	5.51053E-06	17.01101685	1.60859E-05	0.000233379	0.000181884
2067 Oct	87.25888824	0.104460239	0.06461101	0.002167246	18.36770821	0.041353852	20.6553669	0.001016236	0.000982502	5.05186E-06	0.007648354	0.001447236	0.032468967	0.018560475	5.29752E-06	19.08611679	1.87906E-05	0.000257157	0.000206312
2067 Nov	88.55023956	0.108904608	0.065611124	0.002186756	18.68407249	0.041770257	21.06526947	0.001015181	0.000980785	5.04587E-06	0.007759593	0.001455984	0.032958534	0.018726517	5.29633E-06	19.3303051	1.9086E-05	0.000259781	0.000208488
2067 Dec	88.49591827	0.109024912	0.065447524	0.00218443	18.6809597	0.041823089	21.02603912	0.001016111	0.000981811	5.05061E-06	0.007769942	0.001456102	0.032910675	0.018739028	5.30037E-06	19.33627129	1.90892E-05	0.00025981	0.000208397
2068 Jan	88.51839447	0.109076537	0.065368772	0.002182636	18.69338036	0.041822307	21.00533867	0.001016379	0.000982139	5.052E-06	0.007771696	0.001457151	0.032872874	0.018784972	5.30132E-06	19.36769104	1.90904E-05	0.000260158	0.00020914
2068 Feb	88.61203003	0.109138347	0.065364629	0.00218219	18.71977997	0.041814663	21.00414467	0.001016747	0.000982531	5.05386E-06	0.007772629	0.001459152	0.032857358	0.018850006	5.30301E-06	19.41614914	1.90986E-05	0.000260731	0.000210287
2068 Mar	88.85301208	0.109406091	0.065502636	0.00218663	18.77428246	0.04190024	21.04856682	0.001019129	0.000984852	5.06571E-06	0.007789814	0.001463369	0.03291944	0.018925764	5.3153E-06	19.48412323	1.91441E-05	0.000261601	0.000211362
2068 Apr	89.71000671	0.11044503	0.066112116	0.002206882	18.95737839	0.042288583	21.24445915	0.001028743	0.000994154	5.11351E-06	0.00786273	0.001477624	0.033221651	0.019122045	5.36538E-06	19.68055916	1.93251E-05	0.000264215	0.000213682
2068 May	99.27248383	0.107186668	0.073053807	0.002295969	20.82083702	0.038881168	22.9462204	0.001036194	0.000998894	5.14769E-06	0.00767759	0.001623366	0.034583751	0.023173315	5.41915E-06	22.86287689	2.08494E-05	0.00030896	0.000299593
2068 Jun	104.2677155	0.07961148	0.094363183	0.00271978	19.37824059	0.031594213	28.35780144	0.001022564	0.000966869	5.05003E-06	0.007335997	0.001588566	0.043571617	0.018446127	5.43431E-06	19.85164833	2.47372E-05	0.000304395	0.000253133
2068 Jul	82.53661346	0.056448475	0.06589824	0.002209721	15.46239471	0.033095054	20.11722565	0.001059892	0.001021401	5.25437E-06	0.007103928	0.001440015	0.032700129	0.016861008	5.51644E-06	16.99351692	2.10216E-05	0.000254506	0.000201924
2068 Aug	80.61058807	0.055698395	0.060127545	0.002147874	15.50151539	0.036952544	18.69629097	0.001113571	0.001078913	5.52718E-06	0.00717779	0.001474588	0.031108869	0.01756083	5.763E-06	17.37205505	1.9279E-05	0.000251849	0.00019761
2068 Sep	73.4292984	0.073659472	0.045709636	0.00183838	15.16700268	0.039988067	15.27322483	0.001073371	0.001047647	5.33647E-06	0.007418692	0.001377463	0.026324796	0.017554969	5.51115E-06	17.21873856	1.72628E-05	0.000240643	0.000178902
2068 Oct	75.19623566	0.08770863	0.045844376	0.001830275	15.86026001	0.041274581	15.69079018	0.001057765	0.001031663	5.25772E-06	0.007699211	0.00138133	0.02656587	0.017977979	5.43449E-06	17.75759697	1.76381E-05	0.000243732	0.000182428
2068 Nov	75.53553772	0.088889942	0.045941938	0.001835129	15.95445538	0.041514661	15.75267124	0.001060863	0.001034694	5.27312E-06	0.007746506	0.001386321	0.02665071	0.018069694	5.45031E-06	17.85269737	1.77219E-05	0.000244756	0.00018322
2068 Dec	75.53299713	0.089017376	0.045875501	0.001834468	15.95942307	0.041555401	15.73842049	0.001061531	0.001035407	5.27651E-06	0.007754365	0.001386703	0.026633954	0.018081484	5.4534E-06	17.86162567	1.77288E-05	0.000244834	0.000183229
2069 Jan	75.56136322	0.089072123	0.045845442	0.001833645	15.97046089	0.041553885	15.73057079	0.001061625	0.001035532	5.27701E-06	0.007755304	0.001387447	0.02661564	0.018112311	5.4537E-06	17.88376808	1.77307E-05	0.000245077	0.000183749
2069 Feb	75.62821198	0.089121111	0.045851212	0.001833492	15.98893642	0.041548539	15.73204613	0.001061836	0.001035755	5.27808E-06	0.007755845	0.001388782	0.026608018	0.018155271	5.45468E-06	17.91618538	1.77366E-05	0.000245458	0.000184514
2069 Mar	75.66649628	0.089149974	0.045855463	0.001833453	15.99939919	0.041546624	15.73323059	0.001061976	0.001035901	5.27879E-06	0.007756327	0.001389544	0.026604505	0.018179139	5.45535E-06	17.93429565	1.77402E-05	0.000245672	0.000184936
2069 Apr	75.85822296	0.089366592	0.045960836	0.001837547	16.04129028	0.041638799	15.76922607	0.00106444	0.001038311	5.29105E-06	0.007774015	0.001393099	0.026662221	0.018233579	5.46798E-06	17.98490143	1.77821E-05	0.000246346	0.000185593
2069 May	78.69969177	0.090568386	0.046698	0.001853366	16.71617889	0.04148243	15.94581985	0.001083624	0.001057598	5.38707E-06	0.007882326	0.001448336	0.026692303	0.019754987	5.56326E-06	19.15832138	1.83884E-05	0.000262052	0.000212453
2069 Jun	102.4843674	0.077331372	0.089325547	0.002618943	18.88006401	0.031379595	27.48215866	0.001030329	0.000974392	5.08032E-06	0.007404961	0.001593402	0.042536814	0.018723788	5.45396E-06	19.90807533	2.47681E-05	0.000306888	0.000255061
2069 Jul	91.04924774	0.063505784	0.074534133	0.002389708	16.59862709	0.032140698	23.06782341	0.001083504	0.001037102	5.35751E-06	0.007614375	0.001511979	0.037235752	0.017443012	5.66616E-06	18.11144066	2.41393E-05	0.000283871	0.000218787
2069 Aug	78.58209991	0.056250099	0.056032598	0.00204184	15.08961487	0.036270116	17.92553902	0.001089221	0.001055361	5.40228E-06	0.007131518	0.00142853	0.03049604	0.01712493	5.62742E-06	17.12934113	1.89063E-05	0.000254989	0.000189452
2069 Sep	90.21139526	0.087589629	0.067742571	0.002234896	17.89239693	0.039597776	22.27794075	0.001045583	0.001002423	5.17023E-06	0.007381025	0.001516278	0.0356602	0.018456759	5.45449E-06	19.17602348	1.9165E-05	0.000272406	0.000211615
2069 Oct	107.6290588	0.116388939	0.088033125	0.002616341	21.17597771	0.041435853	29.07563019	0.001030192	0.000971085	5.06885E-06	0.007855332	0.001676335	0.044060726	0.020086337	5.45363E-06	21.64209366	2.18857E-05	0.000300785	0.000248509
2069 Nov	106.0345917	0.116752416	0.08541704	0.00256705	20.94771004	0.041678004	28.38135338	0.00103126	0.00097362	5.07541E-06	0.007900837	0.001662769	0.043142032	0.020031743	5.4493E-06	21.50372124	2.1718E-05	0.00029828	0.000244929
2069 Dec	105.8784027	0.116791703	0.08515548	0.00256238	20.92777634	0.041710202	28.30750847	0.001031631	0.00097418	5.07753E-06	0.007906825	0.00166148	0.043044191	0.020030588	5.45019E-06	21.49285126	2.1703E-05	0.000298052	0.000244613
2070 Jan	105.845726	0.116800427	0.08502271	0.002559311	20.93136597	0.041698776	28.26744843	0.001031611	0.000974275	5.07759E-06	0.007906304	0.001661778	0.042978369	0.020069802	5.44951E-06	21.51558113	2.16943E-05	0.000298264	0.000245244
2070 Feb	105.9041443	0.116816878	0.084995233	0.002558094	20.95090294	0.041675609	28.2571373	0.001031613	0.000974322	5.07766E-06	0.007904198	0.001663196	0.042948626	0.020127758	5.44928E-06	21.55650711	2.16948E-05	0.000298732	0.000246312
2070 Mar	106.0225677	0.116921842	0.085049652	0.002559525	20.97867966	0.041697331	28.27461243	0.001032462	0.000975149	5.08188E-06	0.00790956	0.00166533	0.042967577	0.020175749	5.45364E-06	21.59641075	2.17128E-05	0.000299231	0.000247094
2070 Apr	106.598732	0.117524385	0.085431442	0.002570843	21.10109901	0.041885365	28.40120125	0.001037646	0.000980103	5.10747E-06	0.007947429	0.001674937	0.043147273	0.020332441	5.48073E-06	21.74313545	2.18208E-05	0.000301163	0.00024934
2070 May	112.0939102	0.112408161	0.086987823	0.002559702	22.31699562	0.038784374	28.50029564	0.001047289	0.00098997	5.15488E-06	0.007778517	0.001786248	0.042471349	0.024044266	5.52475E-06	24.40736389	2.27939E-05	0.000338496	0.000324451
2070 Jun	106.4321976	0.080287553	0.089156918	0.00259378	19.66230392	0.031321149	28.1599865	0.001037483	0.000975256	5.09228E-06	0.007416199	0.001690755	0.043248139	0.020813469	5.48145E-06	21.56061554	2.49891E-05	0.000329592	0.000291336
2070 Jul	90.20066833	0.062757246	0.069912925	0.002276954	16.52635002	0.031737842	22.1849308	0.001080098	0.001032039	5.32662E-06	0.007545983	0.001543967	0.03587896	0.018616632	5.62634E-06	18.79841423	2.37512E-05	0.000292765	0.000237429
2070 Aug	78.54000854	0.05324728	0.054131765	0.002000499	14.94195843	0.035564229	17.64962196	0.001100119	0.001063965	5.44502E-06	0.007142215	0.001475003	0.02971586	0.018096525	5.6705E-06	17.58331871	1.93056E-05	0.000258457	0.000207373
2070 Sep	88.29303741	0.095036559	0.062397346	0.002120837	17.70444679	0.040174715	21.31655502	0.001039019	0.000994911	5.126E-06	0.007633948	0.001518765	0.034077324	0.018900687	5.39891E-06	19.33241463	1.94352E-05	0.000271417	0.000213732
2070 Oct	108.1097565	0.114388257	0.08783301	0.002607016	21.0445652	0.041145422	29.41601181	0.001033591	0.000968492	5.0642E-06	0.007823273	0.001710236	0.04479415	0.02024227	5.46469E-06	21.75720787	2.19929E-05	0.000306925	0.000251529
2070 Nov	109.8637238	0.115533829	0.089975715	0.002651384	21.32764435	0.041284744	30.09662819	0.00103736	0.000970462	5.07996E-06	0.007850789	0.001730289	0.045729309	0.020395771	5.49122E-06	21.989048	2.22437E-05	0.000310537	0.000255127
2070 Dec	109.7206421	0.115550488	0.089753814	0.002647269	21.30863571	0.041304342	30.03226089	0.001037481	0.000970758	5.08084E-06	0.007854353	0.001728904	0.045642424	0.020391149	5.49103E-06	21.97654915	2.2228E-05	0.000310291	0.000254827
2071 Jan	109.6903076	0.115560926	0.089646079	0.002644833	21.31084633	0.041297317	29.99932861	0.001037476	0.000970854	5.08098E-06	0.007854213	0.001729036	0.045588858	0.020420229	5.49055E-06	21.99302673	2.22208E-05	0.000310433	0.000255284
2071 Feb	109.720993	0.115573965	0.089607172	0.002643576	21.32372856	0.041281223	29.98600197	0.001037473	0.000970903	5.08105E-06	0.007852843	0.001729944	0.045558851	0.02046275	5.49029E-06	22.02222633	2.22196E-05	0.000310755	0.000256053
2071 Mar	109.7578583	0.115602262	0.089602344	0.002643373	21.33467484	0.041279994	29.98421478	0.001037661	0.000971107	5.08202E-06	0.007853532	0.001730758	0.045550808	0.020489728	5.49116E-06	22.04221344	2.2223E-05	0.000310988	0.000256519
2071 Apr	110.008049	0.115859769	0.089786649	0.002648776	21.38546371	0.041365474	30.04579353	0.001039935	0.000973251	5.09318E-06	0.007870322	0.001734835	0.045641314	0.020547906	5.50312E-06	22.0996418	2.22714E-05	0.00031177	0.000257321
2071 May	114.8202209	0.10602615	0.087136708	0.002517394	22.719347	0.035899419	28.62592506	0.001039873	0.000977929	5.0991E-06	0.007526844	0.001863501	0.042286247	0.026222233	5.47781E-06	25.90043449	2.32542E-05	0.000363566	0.000371423
2071 Jun	111.1744614	0.084752403	0.095695123	0.00272299	20.24462509	0.03242619	30.76285934	0.001038986	0.000962697	5.06024E-06	0.007416971	0.001767535	0.04722013	0.020612089	5.50616E-06	21.81458664	2.52126E-05	0.000338012	0.000288318
2071 Jul	98.49198914	0.07077992	0.081500776	0.002505806	17.69079781	0.032743979	26.2232151	0.00108194	0.001016526	5.29248E-06	0.007641954	0.001644466	0.041894525	0.018454032	5.67141E-06	19.37557602	2.47788E-05	0.000308836	0.000238391
2071 Aug	92.0779953	0.067179404	0.070882469	0.002332833	17.03639221	0.035958521	23.15189171	0.001113082	0.001057045	5.46499E-06	0.007559438	0.001609813	0.038033351	0.018545745	5.7896E-06	19.06410599	2.21533E-05	0.000295963	0.00022284
2071 Sep	82.65177917	0.085898645	0.054796688	0.001978449	16.65360451	0.040203735	19.07427788	0.001049844	0.001006786	5.1713E-06	0.007476742	0.001481196	0.031936102	0.018328493	5.41932E-06	18.62609482	1.81712E-05	0.000270219	0.000197357
2071 Oct	93.75917053	0.104286462	0.068128832	0.002224197	18.70773315	0.041114803	23.54370308	0.001036055	0.000980449	5.0787E-06	0.007760173	0.001593291	0.037404753	0.019395676	5.3975E-06	20.16893196	2.00141E-05	0.000288238	0.000222382
2071 Nov	96.97676849	0.110841125	0.071423419	0.002289521	19.34536552	0.041731179	24.73563576	0.001037374	0.000978494	5.07881E-06	0.007912081	0.001628969	0.038856778	0.019802121	5.41571E-06	20.69107628	2.06168E-05	0.000293932	0.000229674
2071 Dec	96.96656036	0.11117392	0.071322553	0.002287944	19.35424995	0.041786417	24.71760941	0.001037653	0.000978844	5.08031E-06	0.007923969	0.001629024	0.038824618	0.019816346	5.41676E-06	20.7019043	2.06279E-05	0.000293907	0.000229668
2072 Jan	96.98933411	0.111211956	0.071248688	0.002286001	19.36857033	0.04177409	24.6941185	0.001037716	0.000979001	5.08079E-06	0.007923657	0.001629957	0.038778044	0.019867465	5.41671E-06	20.73625946	2.06259E-05	0.00029426	0.00023055
2072 Feb	97.1162262	0.111254551	0.071291029	0.002286068	19.40098572	0.041747425	24.70412254	0.001037814	0.0009791	5.08129E-06	0.007921442	0.001632275	0.038772557	0.019941639	5.4172E-06	20.79241753	2.06343E-05	0.000294931	0.000231959
2072 Mar	97.1757431	0.111291982	0.071289942	0.002285788	19.41815186	0.04174111	24.70286179	0.001038022	0.000979331	5.08237E-06	0.007921745	0.001633517	0.038761191	0.01998364	5.41815E-06	20.82357597	2.0639E-05	0.000295293	0.000232707
2072 Apr	97.56832886	0.111726902	0.071551338	0.002294076	19.49967957	0.041893151	24.79310608	0.001042002	0.000983108	5.1019E-06	0.007951432	0.001640265	0.03889776	0.020081319	5.43883E-06	20.91822433	2.07182E-05	0.00029659	0.000233985
2072 May	99.5200882	0.113913193	0.072918124	0.002338215	19.89495468	0.042701669	25.26578331	0.001062826	0.001002835	5.204E-06	0.008108875	0.001673539	0.039633904	0.020518715	5.54721E-06	21.35863495	2.1134E-05	0.000302785	0.000239337
2072 Jun	100.6337967	0.077207208	0.083906539	0.002517876	18.08594894	0.032293297	27.3526535	0.001047112	0.000975989	5.10144E-06	0.007579744	0.001651397	0.043370772	0.018438248	5.50337E-06	19.62834358	2.485E-05	0.000314818	0.000241659
2072 Jul	86.72034454	0.059450351	0.067544594	0.002230519	15.79745674	0.034413915	22.28582001	0.001066367	0.001009542	5.22371E-06	0.007061102	0.001561732	0.036097705	0.017549131	5.54327E-06	17.78405952	2.07708E-05	0.000269732	0.000210715
2072 Aug	90.66564941	0.074068077	0.06779182	0.00223	17.60633469	0.040541533	23.0449028	0.001059445	0.001001333	5.18485E-06	0.006742729	0.001604356	0.037907075	0.018555271	5.50887E-06	19.32296944	1.6639E-05	0.000284365	0.000210044
2072 Sep	99.78171539	0.094888039	0.076894745	0.002396586	19.46723557	0.041851647	26.37283707	0.001049422	0.000981394	5.11345E-06	0.007192405	0.001687928	0.042180244	0.019552136	5.48959E-06	20.80656052	1.84708E-05	0.000305353	0.000228842
2072 Oct	110.4163971	0.113710418	0.089727379	0.00264195	21.12797546	0.041291866	30.74094391	0.00104698	0.00096449	5.06924E-06	0.007834673	0.00180281	0.047357094	0.020504739	5.51983E-06	22.0898304	2.23704E-05	0.000324047	0.000254963
2072 Nov	110.4292679	0.114487134	0.089520246	0.00264015	21.14635086	0.041426916	30.7122612	0.001049261	0.000966608	5.07964E-06	0.007877509	0.001805225	0.047318324	0.020544542	5.53005E-06	22.11814499	2.2461E-05	0.000324387	0.000254958
2072 Dec	110.2917786	0.114511058	0.089307263	0.002636246	21.12899208	0.041447382	30.64878082	0.001049389	0.000966945	5.0807E-06	0.007881257	0.001803747	0.047230922	0.020540411	5.52997E-06	22.10640526	2.2446E-05	0.000324122	0.000254674
2073 Jan	110.2939148	0.114530936	0.089238338	0.00263457	21.13698578	0.041439261	30.62652016	0.001049434	0.000967078	5.0811E-06	0.007881084	0.00180422	0.047190443	0.02057487	5.52988E-06	22.12861443	2.24428E-05	0.000324337	0.000255255
2073 Feb	110.3446732	0.114557713	0.089213751	0.002633626	21.15434647	0.041424949	30.61707687	0.001049527	0.000967225	5.08168E-06	0.007880243	0.001805414	0.047164448	0.020624142	5.53016E-06	22.16363907	2.24443E-05	0.000324727	0.000256144
2073 Mar	110.4167023	0.114621937	0.089234009	0.002634157	21.17251205	0.041435383	30.62368011	0.001050032	0.000967728	5.08419E-06	0.007883248	0.001806807	0.047168609	0.020659765	5.53269E-06	22.1919899	2.24544E-05	0.000325073	0.000256732
2073 Apr	111.3757935	0.115611479	0.089987271	0.002656355	21.35892296	0.041785747	30.88198662	0.001059049	0.00097606	5.1279E-06	0.007950492	0.001822624	0.047563013	0.020851957	5.58013E-06	22.39273262	2.26468E-05	0.000327974	0.000259204
2073 May	115.552269	0.10714867	0.087355472	0.002538158	22.50667	0.037110738	29.61653328	0.001060718	0.000982886	5.14477E-06	0.007672848	0.001931018	0.044554114	0.025789315	5.56705E-06	25.70549583	2.35255E-05	0.000372129	0.000358194
2073 Jun	117.6089172	0.089719556	0.099404879	0.002790939	21.12612152	0.03365146	33.42252731	0.001057514	0.000960573	5.07975E-06	0.007478544	0.001918265	0.051228561	0.021914927	5.59287E-06	23.19116974	2.5581E-05	0.0003641	0.000308642
2073 Jul	109.9828949	0.080864854	0.092142165	0.002712645	19.66071129	0.036405232	31.19231606	0.001098764	0.001007885	5.29791E-06	0.007466112	0.001864374	0.048609409	0.020252187	5.77709E-06	21.44352531	2.38801E-05	0.000332734	0.000266178
2073 Aug	94.8157959	0.06802886	0.072534002	0.002360892	17.50795746	0.038971771	24.96397209	0.001115513	0.001045384	5.42638E-06	0.007125442	0.001730424	0.040047508	0.019436041	5.79615E-06	19.7510891	1.97657E-05	0.000292351	0.000232164
2073 Sep	85.25734711	0.079209343	0.05761889	0.002044643	16.70590019	0.040827636	20.64900398	0.001072668	0.001017671	5.24432E-06	0.007240593	0.001579021	0.034158424	0.018779092	5.53354E-06	18.96415329	1.76391E-05	0.000274558	0.000205469

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Oct	98.44412994	0.107053295	0.072005242	0.002296838	19.14468384	0.041521754	25.89754295	0.001044725	0.000972811	5.0662E-06	0.007814341	0.001694161	0.040836096	0.019849766	5.442E-06	20.80493355	2.06602E-05	0.000302751	0.000231143
2073 Nov	104.2759552	0.110909045	0.07926666	0.002438527	20.02348328	0.041572709	28.29964256	0.001049801	0.000969802	5.0735E-06	0.007881041	0.001762347	0.04414285	0.020292243	5.49116E-06	21.52716064	2.15961E-05	0.000315791	0.00024329
2073 Dec	104.1886063	0.111001484	0.079092458	0.002435864	20.01687813	0.04161638	28.24814034	0.001050469	0.000970663	5.07726E-06	0.007889221	0.001761656	0.044074088	0.020298377	5.49392E-06	21.5261879	2.15921E-05	0.000315671	0.000243121
2074 Jan	104.1707458	0.111028232	0.078994811	0.002433649	20.02285194	0.041610733	28.21606255	0.001050511	0.000970834	5.07775E-06	0.007889529	0.001761863	0.044019535	0.020332471	5.49373E-06	21.54683495	2.15866E-05	0.000315842	0.000243669
2074 Feb	104.2137222	0.111050695	0.078963041	0.002432501	20.03918266	0.041593742	28.20357704	0.001050532	0.000970922	5.078E-06	0.007888222	0.001762918	0.043988615	0.020381149	5.49363E-06	21.58086014	2.15865E-05	0.000316211	0.000244553
2074 Mar	104.3087921	0.111139283	0.079000019	0.002433548	20.06185722	0.041613083	28.21616554	0.001051265	0.000971638	5.08163E-06	0.007892935	0.001764705	0.044002004	0.020421688	5.49736E-06	21.61423874	2.16013E-05	0.000316629	0.000245203
2074 Apr	105.0608139	0.111933269	0.079549477	0.002450421	20.2090168	0.04190243	28.41205788	0.001058716	0.000978545	5.11769E-06	0.007948414	0.00177753	0.044303913	0.020581502	5.53625E-06	21.77791977	2.17543E-05	0.000318986	0.000247215
2074 May	114.3540192	0.105777889	0.083519146	0.002465712	22.03036118	0.037435777	29.43896675	0.001066833	0.000984545	5.15099E-06	0.007707179	0.0019427	0.044525966	0.025648572	5.57877E-06	25.56373405	2.33455E-05	0.000372298	0.000352243
2074 Jun	117.735878	0.087321922	0.097261891	0.002755606	20.57611275	0.033620022	34.14023972	0.001068339	0.000961646	5.09237E-06	0.007562603	0.001948246	0.052665368	0.021458216	5.63118E-06	22.94279671	2.59829E-05	0.000367664	0.000299179
2074 Jul	103.3371124	0.072075523	0.080747038	0.002501008	18.00204277	0.034286015	28.39939308	0.001118927	0.001031075	5.38863E-06	0.007768579	0.001804152	0.045395672	0.019697363	5.83091E-06	20.59339142	2.50706E-05	0.000333269	0.000253832
2074 Aug	102.5068665	0.071736023	0.077206053	0.002485075	18.15832901	0.037247829	27.33504677	0.00117443	0.001091118	5.67679E-06	0.007967548	0.001833688	0.044268418	0.020324906	6.09621E-06	20.97582817	2.43415E-05	0.000333653	0.000252046
2074 Sep	85.62910461	0.08572232	0.05408461	0.001984608	16.62267685	0.040291198	20.33072662	0.0010894	0.001032197	5.31241E-06	0.007810151	0.001584425	0.034001514	0.019085109	5.5996E-06	19.28541946	1.97488E-05	0.000287713	0.000208262
2074 Oct	87.67926788	0.103968211	0.054911748	0.001971877	17.43522835	0.04178806	21.19127846	0.001050431	0.000990973	5.11141E-06	0.008012589	0.001584945	0.034511536	0.019394092	5.40863E-06	19.77970886	1.97642E-05	0.000286039	0.000210611
2074 Nov	89.93309784	0.105832495	0.05756462	0.002022813	17.78565025	0.041909739	22.13039398	0.001051464	0.000988704	5.10864E-06	0.008033174	0.00161244	0.035780989	0.019586777	5.42227E-06	20.0773735	2.00525E-05	0.000290809	0.000215356
2074 Dec	90.15892029	0.105974466	0.05781053	0.002028125	17.82090759	0.041936345	22.21637344	0.001052248	0.000989191	5.11186E-06	0.008038364	0.001615555	0.035902701	0.019611856	5.42696E-06	20.11069679	2.00868E-05	0.000291362	0.000215852
2075 Jan	90.24675751	0.106024958	0.057855356	0.00202868	17.84139252	0.041928187	22.23028564	0.001052378	0.000989293	5.11244E-06	0.008038149	0.001617041	0.03591226	0.019652005	5.42769E-06	20.14275169	2.00947E-05	0.000291754	0.000216607
2075 Feb	90.35591125	0.106076568	0.057904322	0.002029265	17.86747742	0.041917387	22.24449921	0.001052617	0.000989508	5.11358E-06	0.008037959	0.00161897	0.035919689	0.019705774	5.42894E-06	20.18494987	2.01045E-05	0.000292272	0.000217608
2075 Mar	90.50461578	0.106227338	0.057976279	0.002031538	17.9005146	0.041961834	22.27078819	0.00105398	0.000990812	5.12025E-06	0.008047482	0.001621717	0.035955369	0.019757349	5.43591E-06	20.22989655	2.01314E-05	0.000292861	0.000218375
2075 Apr	91.09408569	0.106907845	0.058339041	0.002044153	18.01933098	0.04222222	22.40950584	0.001060657	0.000997106	5.15273E-06	0.008097988	0.001632339	0.036175665	0.019897338	5.47031E-06	20.36861992	2.02592E-05	0.000294833	0.000220032
2075 May	97.82727814	0.100244351	0.057966072	0.001963204	19.80446053	0.037227653	21.55149841	0.001065605	0.001007515	5.19029E-06	0.007835185	0.001775193	0.033455975	0.025853524	5.48063E-06	24.50597763	2.15144E-05	0.000349132	0.000339101
2075 Jun	105.9131165	0.076699443	0.081703372	0.002460533	18.07257462	0.032314491	29.98828888	0.001062851	0.000968778	5.0866E-06	0.007637823	0.001793141	0.047312737	0.019515242	5.55535E-06	20.82330894	2.54784E-05	0.000340078	0.000259595
2075 Jul	90.51347351	0.058437947	0.065126106	0.002186758	15.35505676	0.032469843	24.04752922	0.001095192	0.001020679	5.29425E-06	0.007575494	0.001638727	0.039493464	0.017728487	5.66371E-06	18.32577133	2.37561E-05	0.000300181	0.000216377
2075 Aug	79.89592743	0.052472621	0.051524635	0.001942664	14.30289459	0.036026798	19.4305439	0.001102992	0.001045649	5.37509E-06	0.007174487	0.001545524	0.033123776	0.017438779	5.65934E-06	17.41142273	1.93938E-05	0.00026975	0.000192483
2075 Sep	78.28045654	0.062473506	0.047174957	0.001858615	14.6194067	0.038275357	18.25603485	0.00109737	0.001045265	5.35959E-06	0.00732855	0.001518348	0.031470127	0.01772885	5.61755E-06	17.67040062	1.84343E-05	0.000267225	0.000187585
2075 Oct	84.01766205	0.087036967	0.050922737	0.001907878	16.1496563	0.040391065	20.26409912	0.001067956	0.001010024	5.19768E-06	0.007741474	0.001561005	0.033614483	0.018611286	5.48336E-06	18.88419151	1.9236E-05	0.000277376	0.000199313
2075 Nov	83.7165451	0.090140685	0.049931347	0.001889256	16.22743988	0.040845115	20.01413727	0.001066949	0.001010194	5.19549E-06	0.007825171	0.001555311	0.033202339	0.018700002	5.47527E-06	18.95096016	1.92306E-05	0.000276659	0.00019872
2075 Dec	83.63139343	0.090363875	0.049762003	0.001886416	16.2264576	0.040895853	19.96228027	0.001067242	0.001010702	5.19748E-06	0.007834344	0.001554323	0.033127967	0.018707078	5.4762E-06	18.95177078	1.92251E-05	0.000276502	0.000198554
2076 Jan	83.66314697	0.090443537	0.049713943	0.001885009	16.24342346	0.040888939	19.94404411	0.001067245	0.001010803	5.19773E-06	0.007834664	0.001555154	0.033088572	0.018754419	5.47598E-06	18.98466492	1.92243E-05	0.000276826	0.00019937
2076 Feb	83.77667236	0.090530947	0.049728818	0.001884949	16.27525902	0.040883634	19.94636154	0.001067669	0.001011259	5.19993E-06	0.007836069	0.001557379	0.033075839	0.018826094	5.47801E-06	19.03888512	1.92347E-05	0.000277457	0.000200637
2076 Mar	83.92063904	0.090668142	0.049785055	0.001886766	16.3086071	0.04092145	19.96699524	0.00106896	0.001012514	5.2063E-06	0.00784463	0.001560125	0.033101171	0.0188837	5.48456E-06	19.08716774	1.92594E-05	0.000278074	0.000201523
2076 Apr	84.25068665	0.091014914	0.049964227	0.001893395	16.37578011	0.041064605	20.037817	0.001072868	0.001016235	5.22538E-06	0.007872803	0.001566303	0.03321369	0.018972125	5.50457E-06	19.1709671	1.93305E-05	0.000279246	0.000202618
2076 May	94.92585754	0.090475701	0.055531118	0.001933993	18.65526009	0.03705176	21.45628166	0.001074123	0.001014454	5.22381E-06	0.00770275	0.001742509	0.033821352	0.024329158	5.51757E-06	23.27997208	2.10588E-05	0.000335507	0.00031222
2076 Jun	118.4818344	0.084487237	0.093078524	0.00266577	20.02307892	0.033122797	34.93480301	0.001071541	0.000955902	5.06678E-06	0.007588571	0.001984673	0.053900957	0.02151373	5.62564E-06	23.10315704	2.62692E-05	0.000373662	0.000300161
2076 Jul	105.0242844	0.070801124	0.07940568	0.002463227	17.67077255	0.03426452	29.89313698	0.001112775	0.001013894	5.3139E-06	0.007688993	0.001846132	0.047547981	0.019484367	5.78917E-06	20.64691544	2.4963E-05	0.000336165	0.000250896
2076 Aug	95.51473999	0.065484546	0.066645198	0.002251383	16.74018288	0.037597202	25.42255974	0.001139357	0.001057933	5.49094E-06	0.007525115	0.001761442	0.041627549	0.019300066	5.8823E-06	19.89577484	2.1671E-05	0.000312787	0.000228904
2076 Sep	87.62083435	0.071938165	0.05535052	0.002031319	16.14707184	0.039615434	21.67411613	0.001125209	0.001058833	5.45821E-06	0.007625044	0.001652595	0.036361109	0.019012757	5.77715E-06	19.29055023	1.98788E-05	0.000294659	0.000210222
2076 Oct	86.93130493	0.096081644	0.05226095	0.001924168	16.78493309	0.041132659	21.29584885	0.001061743	0.000997924	5.14651E-06	0.007912564	0.001600567	0.034919139	0.019172892	5.4515E-06	19.55772591	1.96825E-05	0.000286795	0.000207572
2076 Nov	88.45815277	0.100494966	0.053572744	0.001944997	17.1132679	0.041466493	21.89235878	0.001056652	0.000990771	5.11564E-06	0.007981582	0.001615214	0.035627171	0.019357916	5.43014E-06	19.8248558	1.98989E-05	0.00028965	0.000210729
2076 Dec	88.41577911	0.10060183	0.053475335	0.001943706	17.1137886	0.041504763	21.8612709	0.001057201	0.000991457	5.11873E-06	0.007988504	0.001614917	0.035585389	0.019365216	5.43258E-06	19.82765579	1.9899E-05	0.0002896	0.00021065
2077 Jan	88.46763611	0.100650661	0.053476464	0.001943381	17.12962151	0.04149688	21.86003494	0.001057253	0.000991536	5.11906E-06	0.007988332	0.001615914	0.035573527	0.019402405	5.43278E-06	19.85526276	1.99021E-05	0.000289907	0.000211325
2077 Feb	88.53436279	0.100691833	0.053476505	0.001942962	17.14987755	0.041484881	21.8570137	0.001057381	0.000991705	5.1198E-06	0.007987823	0.001617259	0.035556547	0.019452155	5.43333E-06	19.89177895	1.99059E-05	0.000290321	0.000212229
2077 Mar	88.60189056	0.100751489	0.053494152	0.001943413	17.16708374	0.04149387	21.86268425	0.001057844	0.000992168	5.12212E-06	0.007990531	0.001618571	0.035559371	0.019486429	5.43564E-06	19.91890717	1.99152E-05	0.000290651	0.000212798
2077 Apr	89.01332092	0.101209514	0.053729303	0.001951847	17.24916458	0.041673578	21.95790672	0.001062559	0.000996608	5.14499E-06	0.008025696	0.001626132	0.035710584	0.019588048	5.45983E-06	20.0182476	2.00043E-05	0.000292062	0.000214019
2077 May	99.22065735	0.099838071	0.061407655	0.002063359	19.06332779	0.039010141	24.36832809	0.001073794	0.000999874	5.18029E-06	0.007907316	0.001787636	0.038292948	0.023206675	5.53258E-06	23.00209045	2.15952E-05	0.000336114	0.000290394
2077 Jun	99.96707916	0.066811286	0.072528288	0.002278407	16.69639778	0.030313633	27.60452271	0.001071106	0.000977072	5.11084E-06	0.007662833	0.001757078	0.044395112	0.019259421	5.55166E-06	20.15326309	2.57748E-05	0.00033935	0.00025436
2077 Jul	87.09432983	0.053985383	0.058264926	0.002057453	14.52188492	0.030172355	22.09213638	0.001114797	0.001041006	5.38151E-06	0.007936051	0.001611778	0.037373599	0.017843014	5.72648E-06	18.15669441	2.55421E-05	0.000312343	0.000218497
2077 Aug	82.90091705	0.053347714	0.051414419	0.001960649	14.42299843	0.0338833	19.77988052	0.001145715	0.001081919	5.56217E-06	0.007847681	0.001590054	0.034442347	0.018112767	5.86041E-06	18.13286018	2.29538E-05	0.000301232	0.000207064
2077 Sep	90.11342621	0.089881137	0.055977196	0.001984295	16.93887138	0.040039357	22.87002182	0.001061575	0.000988482	5.1162E-06	0.00767092	0.001648544	0.037553377	0.019245176	5.45627E-06	19.87861824	1.96961E-05	0.00030069	0.00021474
2077 Oct	102.9938049	0.106466532	0.069023289	0.002235971	18.9889946	0.041307565	28.15260315	0.001068924	0.00097604	5.10056E-06	0.008018534	0.001814369	0.044414595	0.020621192	5.53216E-06	21.7675705	2.18319E-05	0.000327287	0.000243559
2077 Nov	102.948349	0.107001595	0.068747088	0.002233713	19.01159096	0.041491825	28.0701313	0.00107197	0.000979499	5.11687E-06	0.008052832	0.001815111	0.044307269	0.020668855	5.54653E-06	21.79992104	2.18572E-05	0.000327393	0.000243523
2077 Dec	102.8762817	0.107085094	0.068621345	0.00223186	19.00779152	0.041527871	28.02704811	0.001072467	0.000980184	5.11985E-06	0.008059205	0.001814398	0.044248696	0.020672902	5.54864E-06	21.79821205	2.1853E-05	0.000327264	0.000243377
2078 Jan	102.8754883	0.107125595	0.068562187	0.002230553	19.01644707	0.041528221	28.00388527	0.0010726	0.000980432	5.12081E-06	0.008060192	0.001814718	0.044208135	0.020703398	5.54908E-06	21.81773186	2.18506E-05	0.000327431	0.000243864
2078 Feb	102.9264297	0.107161857	0.068552487	0.002230046	19.03339767	0.041519832	27.99747849	0.00107275	0.000980633	5.1217E-06	0.008060093	0.00181581	0.044188298	0.0207466	5.54972E-06	21.84893608	2.18534E-05	0.000327776	0.000244635
2078 Mar	102.9794388	0.107207894	0.068564013	0.002230317	19.04730606	0.041525442	28.0008564	0.001073095	0.000980984	5.12344E-06	0.008062016	0.001816851	0.044188328	0.020775229	5.55143E-06	21.87129593	2.18603E-05	0.000328044	0.000245115
2078 Apr	103.8347702	0.10809309	0.069119819	0.002248337	19.20786858	0.041861281	28.22707558	0.001081888	0.000989043	5.16547E-06	0.008127697	0.001832003	0.044542283	0.020958103	5.59688E-06	22.05934334	2.20393E-05	0.000330826	0.000247355
2078 May	117.5867157	0.100312226	0.077703401	0.002328516	21.6667366	0.035879321	30.80552292	0.001082177	0.000980903	5.14253E-06	0.007723763	0.002062028	0.046581291	0.027111631	5.61109E-06	26.81398773	2.41809E-05	0.000399616	0.000379605
2078 Jun	120.0478592	0.083402283	0.08929532	0.00259321	20.01779747	0.033046424	35.27274323	0.001096859	0.000969897	5.14162E-06	0.007723346	0.002067939	0.054571506	0.022655686	5.71849E-06	23.98846817	2.68129E-05	0.000392057	0.000317174
2078 Jul	107.5587082	0.071140401	0.07593742	0.002395114	18.09485817	0.034551896	30.06399727	0.001141352	0.001034826	5.41907E-06	0.007798416	0.001943858	0.047663435	0.021438528	5.90269E-06	22.11471939	2.52533E-05	0.000357341	0.000281418
2078 Aug	84.54419708	0.054867405	0.051950034	0.001944365	15.15261841	0.037776325	21.02574158	0.00111913	0.001049006	5.40626E-06	0.007010222	0.001680494	0.034902751	0.019353442	5.72459E-06	18.98502541	1.84259E-05	0.000284688	0.000221873
2078 Sep	79.47174835	0.063204363	0.044275571	0.001791318	15.06883335	0.040299345	18.45687485	0.001101444	0.001042643	5.3482E-06	0.007038316	0.001588181	0.031727199	0.018945279	5.61465E-06	18.66262436	1.63803E-05	0.000275754	0.00020165
2078 Oct	85.6496582	0.084096417	0.049274921	0.001868682	16.31059837	0.041083649	20.90039825	0.001078409	0.001010614	5.20819E-06	0.007530121	0.001636212	0.034646068	0.019501964	5.51447E-06	19.62962151	1.82508E-05	0.000288889	0.000212109
2078 Nov	87.0844574	0.088947065	0.050296959	0.001887113	16.61164856	0.041396543	21.41863251	0.001076495	0.001006869	5.19356E-06	0.007662984	0.001649234	0.035276707	0.019671278	5.50795E-06	19.88093758	1.86929E-05	0.000292198	0.000214638
2078 Dec	87.02357483	0.089053318	0.050193384	0.001885495	16.60912704	0.041425448	21.38293076	0.001076772	0.001007308	5.19538E-06	0.007668809	0.001648479	0.035226796	0.019673333	5.50904E-06	19.87887383	1.86911E-05	0.000292073	0.000214499
2079 Jan	87.02750397	0.089102916	0.050146319	0.001884235	16.61827278	0.041418411	21.36344719	0.001076709	0.001007348	5.19535E-06	0.007668954	0.001648729	0.035189688	0.019702947	5.50854E-06	19.89816475	1.86894E-05	0.00029224	0.000215008
2079 Feb	87.07498932	0.08913593	0.050138265	0.001883578	16.63453865	0.041402388	21.35691643	0.001076674	0.001007367	5.19532E-06	0.007667731	0.001649682	0.035168059	0.019745348	5.50827E-06	19.92850113	1.86909E-05	0.000292571	0.000215795
2079 Mar	87.17128754	0.089226007	0.050174393	0.001884741	16.65686226	0.041427106	21.3706131	0.001077525	0.001008191	5.1995E-06	0.007673262	0.001651536	0.035184678	0.019784452	5.51257E-06	19.9611702	1.87068E-05	0.000292988	0.000216399
2079 Apr	87.5917511	0.089651525	0.050405383	0.001893308	16.73944664	0.041614905	21.46803474	0.001082529	0.001012888	5.22369E-06	0.007708591	0.001659519	0.03534168	0.019889735	5.53814E-06	20.06351662	1.87943E-05	0.000294454	0.000217652
2079 May	90.36951447	0.090478227	0.051102944	0.001903172	17.4080677	0.041142713	21.58301544	0.001097771	0.001028565	5.30105E-06	0.007789719	0.001712449	0.035221327	0.021482768	5.61351E-06	21.26869774	1.94209E-05	0.000310578	0.00024682
2079 Jun	111.1809616	0.074450292	0.080575429	0.002424781	18.1088047	0.031745657	32.63382721	0.001081565	0.000961257	5.07621E-06	0.007660522	0.00194304	0.05132959	0.020570423	5.61362E-06	21.96063423	2.63193E-05	0.000367877	0.000279351
2079 Jul	91.43231964	0.056241408	0.061125144	0.002094198	15.04319763	0.032300889	24.83792877	0.001100133	0.001009865	5.25047E-06	0.007509122	0.001715793	0.040754162	0.018292025	5.651E-06	18.7992878	2.36113E-05	0.000312276	0.000224611
2079 Aug	81.88005829	0.049878679	0.049887396	0.001913606	14.1529665	0.036088102	20.59020805	0.001123435	0.001051647	5.41816E-06	0.007195575	0.001639027	0.034715157	0.018121209	5.73661E-06	17.93653107	1.97395E-05	0.000279712	0.000203417
2079 Sep	85.13861847	0.084977277	0.048353534	0.001846534	15.94345284	0.040182449	21.06230736	0.001072649	0.001001779	5.16615E-06	0.007681641	0.001626071	0.034863595	0.019065175	5.47936E-06	19.28970146	1.91861E-05	0.000287831	0.000206588
2079 Oct	105.1085129	0.103137515	0.068463877	0.002221154	18.81801796	0.040812422	29.44460487	0.001079266	0.000973847	5.10229E-06	0.007991179	0.00188219	0.046319604	0.020925147	5.5672E-06	22.11076355	2.22298E-05	0.00033722	0.000250478
2079 Nov	109.4865189	0.107076764	0.072699167	0.002302312	19.44268608	0.041042961	31.26327324	0.001083311	0.000970372	5.10115E-06	0.008074811	0.001939824	0.048822753	0.02134788	5.5988E-06	22.74092865	2.29118E-05	0.000348177	0.000259915
2079 Dec	109.442955	0.108651049	0.072298646	0.002294462	19.48233604	0.041239943	31.20240784	0.001082433	0.000969836	5.09741E-06	0.008117568	0.001937658	0.048706166	0.021378892	5.59324E-06	22.77545929	2.29381E-05	0.000347985	0.000259576
2080 Jan	109.5642319	0.108693287	0.072332412	0.002294317	19.51431656	0.04121197	31.20936394	0.00108249	0.000969908	5.09773E-06	0.008115124	0.001939889	0.04869584	0.021453688	5.59349E-06	22.83164978	2.29453E-05	0.00034865	0.000260995
2080 Feb	109.7203827	0.108745597	0.072368845	0.002293996	19.55692101	0.041175894	31.21426964	0.001082619	0.000970076	5.09848E-06	0.008112052	0.00194283	0.048675898	0.021555096	5.59407E-06	22.90715027	2.2954E-05	0.000349534	0.000262905
2080 Mar	109.7702789	0.108778402	0.072346777	0.002293052	19.57644653	0.041160107	31.20061302	0.001082677	0.000970228	5.09904E-06	0.008110888	0.00194395	0.048642047	0.021608271	5.59421E-06	22.94444275	2.29543E-05	0.000349929	0.000263688
2080 Apr	110.1431656	0.109139703	0.072561361	0.002299732	19.64894676	0.041281141	31.29089546	0.001086122	0.000973372	5.11542E-06	0.00813582	0.001950689	0.048775859	0.021705991	5.61192E-06	23.03746796	2.30267E-05	0.00035125	0.000265235
2080 May	112.0981979	0.110782869	0.073311009	0.002327484	20.07451057	0.041809317	31.57639503	0.001106955	0.000993562	5.21779E-06	0.008279788	0.001988815	0.049177382	0.022448018	5.71712E-06	23.66543579	2.34688E-05	0.000359887	0.000276363
2080 Jun	108.5796432	0.076545097	0.076379418	0.002361004	17.6916256	0.033043556	31.79153824	0.001093265	0.000972279	5.12473E-06	0.007824766	0.001926565	0.050432924	0.020073166	5.65214E-06	21.50475311	2.60434E-05	0.000361649	0.000263332
2080 Jul	92.21823883	0.056589961	0.06149232	0.002098806	15.16167164	0.033778969	25.6652317	0.001096953	0.001000028	5.20969E-06	0.007279148	0.001757649	0.041705877	0.018385241	5.62954E-06	18.91001129	2.22968E-05	0.000307745	0.000223204
2080 Aug	81.2567749	0.051542573	0.048928421	0.001874394	14.29460907	0.038083814	20.88039207	0.001097281	0.001021856	5.27208E-06	0.006747362	0.001649501	0.034886107	0.018056272	5.59824E-06	19.93317223	1.71125E-05	0.000270195	0.000197617

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2080 Sep	92.78716278	0.080388591	0.056809824	0.002006539	16.80178833	0.040866096	24.77771378	0.001083288	0.000992936	5.15891E-06	0.007283373	0.001754304	0.040579751	0.019468922	5.54818E-06	20.20872116	1.84243E-05	0.000308647	0.000217738
2080 Oct	108.7621841	0.10230732	0.071816318	0.002289055	19.11333084	0.041064642	31.3417511	0.001090506	0.000972265	5.11455E-06	0.007948667	0.00195422	0.049284969	0.021042839	5.62262E-06	22.49258614	2.2463E-05	0.00034901	0.000253758
2080 Nov	109.5178299	0.10690517	0.071871676	0.002290222	19.30270767	0.041334983	31.55568695	0.001089877	0.000970824	5.10845E-06	0.008107358	0.001960274	0.049471047	0.021190647	5.61918E-06	22.66996384	2.29379E-05	0.000350892	0.000255359
2080 Dec	109.3308716	0.10719569	0.071588129	0.00228527	19.29097748	0.041388664	31.45629501	0.001090038	0.000971445	5.11052E-06	0.008120926	0.001957571	0.049326099	0.021189278	5.61922E-06	22.65762901	2.29335E-05	0.000350445	0.000254954
2081 Jan	109.360672	0.107243799	0.071540251	0.002283889	19.30882454	0.041377623	31.43264008	0.001090115	0.000971665	5.11132E-06	0.008120656	0.001958394	0.04927808	0.021241404	5.6194E-06	22.69290924	2.29321E-05	0.000350786	0.000255865
2081 Feb	109.4261322	0.107281707	0.071514539	0.002282643	19.33429527	0.04135349	31.41519737	0.001090122	0.000971796	5.11171E-06	0.00811856	0.001959819	0.049233634	0.02131097	5.61926E-06	22.7416153	2.29319E-05	0.0003513	0.00025714
2081 Mar	109.5055847	0.107341841	0.07153064	0.002282876	19.35570717	0.041355301	31.41875648	0.001090532	0.000972223	5.11381E-06	0.008120384	0.001961369	0.049229633	0.021357084	5.62128E-06	22.77701378	2.29407E-05	0.000351719	0.000257939
2081 Apr	110.0963821	0.107901588	0.071835764	0.002292282	19.47624969	0.04152843	31.546381	0.001095783	0.000977062	5.13888E-06	0.008157241	0.001972265	0.049411207	0.021536674	5.64813E-06	22.93979454	2.30496E-05	0.00035396	0.000260579
2081 May	118.029892	0.097766116	0.072925307	0.002222837	21.48022461	0.03512644	30.79663277	0.001095681	0.000982393	5.15245E-06	0.007751839	0.002134423	0.046631336	0.028218416	5.63617E-06	27.56809998	2.45109E-05	0.00041635	0.000397701
2081 Jun	123.723259	0.084057629	0.088140011	0.002566556	20.19621086	0.03348406	37.14019775	0.001117874	0.000967698	5.15243E-06	0.00777746	0.002196259	0.057487693	0.023537844	5.78491E-06	24.89685249	2.71802E-05	0.000414066	0.000329946
2081 Jul	122.7707748	0.081298791	0.086497411	0.00261149	19.89792061	0.03542757	36.47068787	0.001190854	0.001043351	5.52485E-06	0.008258548	0.002212322	0.057291865	0.02320168	6.14554E-06	24.56713676	2.81754E-05	0.000412962	0.000314404
2081 Aug	121.3312531	0.081064664	0.082940206	0.002595082	20.02946472	0.038355008	35.10910416	0.001243119	0.001102746	5.80693E-06	0.008450707	0.002224053	0.055763643	0.023688497	6.39762E-06	24.81892967	2.73626E-05	0.000411115	0.000310189
2081 Sep	99.13867188	0.079660557	0.059296645	0.002115058	17.67464256	0.040598471	25.76047134	0.001177343	0.001079981	5.60327E-06	0.008022264	0.001884983	0.042653602	0.021462094	6.01297E-06	21.93817711	2.18566E-05	0.000348172	0.000250565
2081 Oct	88.60694122	0.086730145	0.047443204	0.001870858	16.64329529	0.041520238	21.2560463	0.00113778	0.001061665	5.46731E-06	0.008119195	0.001714902	0.03587766	0.020517156	5.7876E-06	20.60676765	2.03474E-05	0.000315664	0.000224142
2081 Nov	81.33686066	0.093471885	0.039610513	0.001696847	15.92936897	0.041964401	18.36323929	0.001095386	0.001032816	5.29464E-06	0.008146388	0.001589969	0.031355429	0.019703217	5.55769E-06	19.59078979	1.92382E-05	0.000291004	0.000204391
2081 Dec	81.81435394	0.094784789	0.040105052	0.001704201	16.0098877	0.042035859	18.61021996	0.001092656	0.001028973	5.27768E-06	0.008159927	0.001594905	0.031652965	0.019714799	5.54528E-06	19.640625	1.93042E-05	0.000291477	0.000204789
2082 Jan	81.95426941	0.094883241	0.04017476	0.001704764	16.04258728	0.042014759	18.63421822	0.001092593	0.001028841	5.27716E-06	0.00815838	0.001597243	0.031667214	0.019779984	5.54504E-06	19.69239426	1.93153E-05	0.000292098	0.000206047
2082 Feb	82.07788086	0.094956383	0.040192205	0.001704262	16.07883263	0.041989513	18.63343239	0.001092696	0.001029007	5.27786E-06	0.00815664	0.001599586	0.031642478	0.019866072	5.54548E-06	19.75601387	1.93219E-05	0.000292814	0.000207642
2082 Mar	82.18916321	0.095052585	0.040219788	0.001704902	16.10763168	0.042001382	18.64173889	0.001093407	0.001029725	5.28144E-06	0.008160634	0.001601746	0.031644575	0.019924514	5.54902E-06	19.80189705	1.93364E-05	0.000293366	0.000208623
2082 Apr	82.52418518	0.095421396	0.040368311	0.001710894	16.1772995	0.042146768	18.70800781	0.001097422	0.001033535	5.30091E-06	0.00818985	0.00160827	0.031750184	0.020023784	5.56936E-06	19.8935585	1.94085E-05	0.000294651	0.000209875
2082 May	84.05191803	0.097119071	0.041072495	0.001740702	16.4845314	0.042872041	19.02760887	0.00111724	0.001052313	5.39697E-06	0.00833609	0.001638183	0.032283414	0.020436265	5.66979E-06	20.28681564	1.97658E-05	0.000300366	0.000214646
2082 Jun	104.8375626	0.07385461	0.069699109	0.002238202	16.92316055	0.033407543	30.50274658	0.001102368	0.000979678	5.15024E-06	0.007866425	0.001908193	0.048916973	0.019709386	5.56331E-06	21.03888512	2.55666E-05	0.000357263	0.000251225
2082 Jul	95.57798767	0.057221964	0.061824422	0.002123396	15.25382614	0.033566691	27.06748009	0.001129701	0.001020459	5.32469E-06	0.007619611	0.001827605	0.04418198	0.018670959	5.77884E-06	19.4163723	2.39708E-05	0.000326667	0.00022762
2082 Aug	85.68058014	0.053653274	0.050180133	0.001925889	14.53895569	0.037105545	22.26408195	0.001142352	0.001056214	5.45643E-06	0.0073641	0.001712875	0.037690647	0.018408682	5.81453E-06	18.61307335	2.0158E-05	0.000299239	0.000204638
2082 Sep	79.21579742	0.06343057	0.041339185	0.001749534	14.40910244	0.039566621	18.90108299	0.001121075	0.001051895	5.40022E-06	0.007439867	0.001603085	0.032908697	0.01826359	5.68762E-06	18.25429916	1.81772E-05	0.000282816	0.000188749
2082 Oct	92.95282745	0.09781	0.052692872	0.001920062	16.9158268	0.04105768	24.68372154	0.001074809	0.000980651	5.09369E-06	0.008011577	0.001749501	0.039994758	0.019708743	5.48273E-06	20.46615982	2.07132E-05	0.000312536	0.000217744
2082 Nov	93.83612061	0.099414051	0.053295128	0.001934419	17.07701302	0.041305404	24.98676491	0.001078416	0.000983011	5.10797E-06	0.008069111	0.001762481	0.040411476	0.019849015	5.5021E-06	20.63510895	2.08941E-05	0.000314966	0.000219693
2082 Dec	93.77509308	0.099524803	0.053188328	0.001933001	17.0770359	0.041346185	24.94509125	0.001078955	0.000983768	5.11131E-06	0.008076204	0.001761787	0.040354107	0.019855319	5.50454E-06	20.63571167	2.08914E-05	0.000314847	0.000219582
2083 Jan	93.780159	0.099573679	0.053139459	0.001931806	17.08825302	0.041343767	24.92150688	0.001079017	0.00098397	5.11204E-06	0.008076695	0.001762092	0.04031093	0.019889401	5.50469E-06	20.65784454	2.08886E-05	0.000315029	0.000220149
2083 Feb	93.86608887	0.099643484	0.053151269	0.001931894	17.1127243	0.041344456	24.92230225	0.001079443	0.000984434	5.11428E-06	0.008078531	0.001763784	0.04030085	0.019943405	5.50677E-06	20.69874191	2.08974E-05	0.000315502	0.000221086
2083 Mar	93.98457336	0.09975756	0.05319823	0.001933415	17.13913345	0.041376349	24.94173431	0.001080498	0.000985437	5.11941E-06	0.008085691	0.001766053	0.040326063	0.019988101	5.51211E-06	20.73685455	2.09181E-05	0.000316001	0.000221766
2083 Apr	94.49060059	0.100287981	0.053473134	0.001943299	17.23416901	0.041587505	25.06913567	0.00108614	0.000990606	5.14621E-06	0.008127487	0.001775586	0.040528487	0.020106906	5.54086E-06	20.85537338	2.10275E-05	0.000317759	0.00022319
2083 May	107.2487335	0.09605965	0.061192177	0.002033381	19.48895073	0.037285794	27.67178726	0.001099835	0.000994856	5.18585E-06	0.007927224	0.001990115	0.042987864	0.025369572	5.61979E-06	25.03693771	2.31328E-05	0.000379247	0.00033354
2083 Jun	119.4380341	0.076725103	0.080962181	0.002432502	18.67671394	0.032560699	36.5011673	0.001119344	0.00096511	5.13059E-06	0.007823684	0.002149341	0.057022203	0.022037419	5.76023E-06	23.65610123	2.73542E-05	0.000403337	0.000302712
2083 Jul	101.5448685	0.060956448	0.065501079	0.002190647	15.96233845	0.033812508	29.59764862	0.001141196	0.001016858	5.32919E-06	0.00771505	0.001929275	0.047773208	0.019475009	5.8344E-06	20.45404816	2.48038E-05	0.000346632	0.000243311
2083 Aug	79.82801819	0.047656603	0.044829179	0.001798838	13.79987526	0.038820546	20.79431534	0.001107557	0.001025202	5.28779E-06	0.006617471	0.001683361	0.034654632	0.018124979	5.62144E-06	17.83012199	1.62323E-05	0.000265608	0.000194777
2083 Sep	93.96865845	0.080525115	0.054564837	0.001967506	16.42380714	0.040555242	25.87731552	0.001099382	0.00099507	5.1795E-06	0.007486827	0.001824024	0.041835032	0.01971053	5.60081E-06	20.35827065	1.95535E-05	0.00031249	0.000221783
2083 Oct	115.2376556	0.104492538	0.073184758	0.002311589	19.32406616	0.040801946	34.77812195	0.001110945	0.000964678	5.108E-06	0.008159155	0.002098356	0.054295268	0.021604886	5.69653E-06	23.41685677	2.40591E-05	0.000374058	0.000265362
2083 Nov	117.7970428	0.105404474	0.075594902	0.002357869	19.59947586	0.040755372	35.93999481	0.001114949	0.000962751	5.10927E-06	0.008185967	0.002136809	0.055961881	0.02178961	5.72073E-06	23.73866272	2.44854E-05	0.000381228	0.000270292
2083 Dec	117.6593628	0.105478786	0.075424507	0.002355032	19.58972549	0.040787939	35.86750793	0.001115157	0.000963327	5.11143E-06	0.008190949	0.002134851	0.055859692	0.021786774	5.72141E-06	23.72732353	2.44696E-05	0.000380884	0.000270011
2084 Jan	117.6271439	0.105512805	0.075334027	0.00235285	19.59873009	0.040778734	35.82256317	0.001115048	0.000963471	5.11166E-06	0.008190106	0.002134589	0.055783086	0.021824878	5.72062E-06	23.74893951	2.44591E-05	0.000381	0.000270645
2084 Feb	117.6888962	0.105555438	0.075319156	0.002352018	19.62204361	0.040762525	35.80868912	0.001115141	0.000963678	5.11247E-06	0.008189012	0.002135879	0.055747058	0.021885211	5.72097E-06	23.79160118	2.44603E-05	0.00038145	0.000271738
2084 Mar	117.8263702	0.105677947	0.075375184	0.002353647	19.65242577	0.04079235	35.83187866	0.001116226	0.000964696	5.11769E-06	0.008196123	0.002138483	0.055775698	0.021937922	5.72646E-06	23.83623886	2.44829E-05	0.000382034	0.000272571
2084 Apr	118.7734833	0.106526963	0.075963117	0.002371938	19.81458664	0.041110251	36.10943222	0.001125076	0.00097239	5.15841E-06	0.008260624	0.002155733	0.05620354	0.022129506	5.77182E-06	24.0372982	2.46764E-05	0.000385182	0.000275051
2084 May	122.6888504	0.095995396	0.073162243	0.002228196	21.40075111	0.034929253	33.54972076	0.001117611	0.000979913	5.16554E-06	0.007840787	0.002253356	0.050842803	0.028450383	5.71681E-06	28.13533211	2.54818E-05	0.00043583	0.00040269
2084 Jun	120.3187256	0.076673858	0.080524959	0.002421387	18.66060257	0.03268639	37.19090271	0.001127759	0.000960598	5.11995E-06	0.007827521	0.002205267	0.058242824	0.022205608	5.77766E-06	23.84383011	2.74537E-05	0.000412379	0.000304206
2084 Jul	103.6928329	0.062094755	0.065802172	0.002197808	16.21171379	0.033745002	30.37796593	0.001157329	0.001022252	5.36681E-06	0.007836665	0.001993023	0.049094293	0.020064628	5.89693E-06	21.01919746	2.5476E-05	0.000361523	0.000252865
2084 Aug	90.5057373	0.056085657	0.052277446	0.00195653	15.04607868	0.036977999	24.39890099	0.001152818	0.001048468	5.43975E-06	0.007427033	0.001820174	0.040758677	0.019274008	5.84925E-06	19.57666206	2.09272E-05	0.000320206	0.000221151
2084 Sep	84.72912598	0.069495298	0.044715498	0.001783953	15.16157436	0.039737817	21.54032516	0.001105379	0.001016856	5.25137E-06	0.007351474	0.001699012	0.036628064	0.018925369	5.59794E-06	19.23606873	1.82422E-05	0.000302798	0.000202481
2084 Oct	99.88417053	0.096746594	0.057207305	0.002004792	17.49372292	0.040967219	27.98902893	0.001097452	0.000977999	5.11457E-06	0.007991999	0.001899249	0.044970509	0.02051701	5.58084E-06	21.54695702	2.15195E-05	0.000339403	0.000234687
2084 Nov	108.414978	0.102202497	0.065180138	0.002157029	18.52869606	0.041053433	31.76138115	0.001108779	0.000970415	5.11193E-06	0.008130651	0.002027349	0.050229974	0.021279994	5.65175E-06	22.70516777	2.29897E-05	0.000362291	0.000252885
2084 Dec	108.2923203	0.102299914	0.065021276	0.002154534	18.52187157	0.041091934	31.69291878	0.001109105	0.000971114	5.11472E-06	0.008136911	0.002025567	0.050133359	0.021279672	5.65309E-06	22.69670296	2.29775E-05	0.000361978	0.000252634
2085 Jan	108.257225	0.102333046	0.064938106	0.002152522	18.52892303	0.04108325	31.6510601	0.00110895	0.000971203	5.11471E-06	0.008136077	0.002025156	0.050062168	0.021311423	5.65212E-06	22.71408272	2.29673E-05	0.000362045	0.000253163
2085 Feb	108.3108292	0.102375902	0.064925119	0.002151832	18.54930496	0.041070938	31.63884163	0.00110905	0.000971408	5.11554E-06	0.008135462	0.002026254	0.050030734	0.021363456	5.65254E-06	22.75094604	2.29688E-05	0.000362429	0.0002541
2085 Mar	108.3707962	0.102428317	0.064936459	0.002152066	18.56568527	0.041075878	31.64115524	0.00110942	0.000971796	5.11744E-06	0.008137436	0.002027429	0.050027788	0.021397898	5.65438E-06	22.77750969	2.2976E-05	0.000362741	0.000254683
2085 Apr	108.8370514	0.102866583	0.065201789	0.002160779	18.64905167	0.041242443	31.76860809	0.001114053	0.000975891	5.13893E-06	0.008171001	0.002036182	0.050225534	0.021502871	5.67797E-06	22.88348007	2.30718E-05	0.000364365	0.000256031
2085 May	119.3226547	0.093940169	0.068776757	0.002136309	20.99285126	0.034699284	32.04039764	0.00111459	0.000978557	5.14741E-06	0.007778024	0.002229261	0.048777651	0.028495176	5.67768E-06	27.90488625	2.4917E-05	0.000432814	0.000400883
2085 Jun	118.4242706	0.07638666	0.073175885	0.002251376	19.18843079	0.031499829	34.06297302	0.00113163	0.000979866	5.18132E-06	0.007807779	0.002206312	0.052975826	0.025176471	5.77051E-06	25.56489182	2.71174E-05	0.000426291	0.000354646
2085 Jul	103.424408	0.063332148	0.060260948	0.00205765	17.0654335	0.033365645	28.07665825	0.001155227	0.001032888	5.39173E-06	0.007674125	0.002021693	0.044744037	0.02326826	5.86663E-06	23.01260185	2.44645E-05	0.000374415	0.000307046
2085 Aug	86.80892181	0.057440139	0.046180692	0.001791199	15.25746536	0.037767846	22.10237122	0.001109947	0.001017321	5.25847E-06	0.006907091	0.001771713	0.036866102	0.020360032	5.61763E-06	20.10515594	1.78303E-05	0.000312424	0.000235895
2085 Sep	107.0247879	0.096113481	0.062675878	0.002106072	18.23483086	0.04098672	31.15455437	0.001111515	0.000974927	5.12704E-06	0.007909037	0.002020172	0.049500547	0.0213509	5.65568E-06	22.66862869	2.20126E-05	0.000361048	0.000253305
2085 Oct	118.7560349	0.104039848	0.073235013	0.002306687	19.50215149	0.040790629	36.5318222	0.00112529	0.000961497	5.10906E-06	0.00816833	0.002193369	0.05693496	0.02221687	5.74244E-06	24.13551521	2.44386E-05	0.000391368	0.000276053
2085 Nov	120.5991592	0.105094783	0.074751586	0.002335495	19.68057632	0.040774383	37.4006958	0.001127689	0.000959406	5.10627E-06	0.008204109	0.002221131	0.058141846	0.022339441	5.75654E-06	24.36132813	2.47928E-05	0.000396073	0.000279322
2085 Dec	120.4110031	0.105154261	0.074547127	0.002331868	19.6650238	0.040801361	37.3075676	0.001127631	0.000959841	5.10754E-06	0.008207754	0.002218216	0.058008924	0.022329738	5.7559E-06	24.34149551	2.47689E-05	0.000395559	0.000278922
2086 Jan	120.3828964	0.1051884	0.074464113	0.002329799	19.67535591	0.040790252	37.26271057	0.0011275	0.000959979	5.10773E-06	0.00820667	0.00221796	0.057931498	0.0223698	5.75505E-06	24.36452675	2.47586E-05	0.000395685	0.000279602
2086 Feb	120.4379501	0.105222002	0.07444635	0.002328796	19.69816208	0.040768716	37.24549103	0.001127479	0.000960094	5.10806E-06	0.008204642	0.002219096	0.057889357	0.022430664	5.75486E-06	24.40684319	2.47577E-05	0.000396118	0.000280722
2086 Mar	120.5133057	0.105288208	0.07446146	0.002329129	19.71860313	0.040775739	37.24877167	0.001127957	0.000960593	5.11052E-06	0.008207242	0.002220572	0.05788653	0.022473279	5.75723E-06	24.43981171	2.47671E-05	0.000396507	0.000281441
2086 Apr	121.2140579	0.105901152	0.074876219	0.002342029	19.83794212	0.041002478	37.45381927	0.00113439	0.000966125	5.13983E-06	0.008253554	0.002233536	0.058200676	0.022620372	5.79003E-06	24.59209251	2.49076E-05	0.000398894	0.000283388
2086 May	122.3388596	0.102107979	0.072436154	0.002261698	20.64934158	0.038536552	35.59065247	0.001138998	0.000982297	5.19925E-06	0.008146137	0.002268872	0.054728784	0.025807263	5.80465E-06	26.60497284	2.52837E-05	0.000421629	0.000344662
2086 Jun	117.0225677	0.072201177	0.07401067	0.002291708	17.83469963	0.031984176	36.04659653	0.001132053	0.000963021	5.11996E-06	0.007847203	0.002186067	0.05676575	0.021981951	5.7639E-06	23.47554207	2.73895E-05	0.000410278	0.000298304
2086 Jul	96.54270172	0.054676842	0.05697494	0.002035181	14.82383156	0.032887153	27.682024	0.001162829	0.001034422	5.40269E-06	0.007880584	0.001910329	0.045606099	0.019116797	5.88956E-06	19.84912109	2.52332E-05	0.0003475	0.000232786
2086 Aug	80.56316376	0.047797844	0.041915566	0.001751937	13.52874947	0.037033629	20.7019825	0.001135955	0.001045162	5.38875E-06	0.007134591	0.001698778	0.035491385	0.01815423	5.73278E-06	18.0567112	1.8766E-05	0.000290423	0.00019577
2086 Sep	89.38349152	0.078446269	0.04629682	0.001796616	15.84968185	0.040977459	23.80669785	0.001096095	0.000991835	5.14551E-06	0.00739175	0.001777762	0.039742909	0.019417811	5.53906E-06	20.08085632	1.81609E-05	0.000316339	0.000209021
2086 Oct	100.5036087	0.09423364	0.05510366	0.001964431	17.36564636	0.04145921	28.48898697	0.001108402	0.000980584	5.13109E-06	0.007908116	0.001939161	0.045913532	0.020671666	5.61338E-06	21.77243042	2.10046E-05	0.000345586	0.000234774
2086 Nov	100.9912109	0.094846025	0.055393457	0.001973078	17.4467926	0.041613169	28.64457703	0.001112305	0.00098377	5.14829E-06	0.007944711	0.001947766	0.04614377	0.020760546	5.63329E-06	21.87037849	2.11197E-05	0.000347129	0.000235916
2086 Dec	100.9264908	0.09493193	0.05530563	0.001971818	17.44510269	0.041640952	28.60496712	0.001112587	0.000984282	5.15044E-06	0.007949808	0.001946801	0.046087623	0.020762471	5.63457E-06	21.86736107	2.11159E-05	0.000346962	0.000235789
2087 Jan	100.9181824	0.094970077	0.055264097	0.001970792	17.45243645	0.04163713	28.58191872	0.001112551	0.000984393	5.15073E-06	0.007949999	0.001946746	0.046046779	0.020786308	5.63431E-06	21.88178253	2.11127E-05	0.000347049	0.000236189
2087 Feb	100.9820938	0.095025249	0.055272989	0.001970868	17.47101021	0.041638024	28.58173943	0.001112875	0.000984754	5.15247E-06	0.007951512	0.00194799	0.04603795	0.020827075	5.63591E-06	21.91255951	2.11195E-05	0.000347401	0.000236895
2087 Mar	101.1230545	0.095155194	0.055335894	0.00197298	17.4995079	0.041682232	28.61165428	0.001114221	0.000985986	5.15884E-06	0.007960689	0.001950716	0.046081465	0.020871228	5.6427E-06	21.95239067	2.11454E-05	0.000347958	0.00023753
2087 Apr	101.4270096	0.095439658	0.055494092	0.001978545	17.55445099	0.04179959	28.6919651	0.001117451	0.000988868	5.17387E-06	0.00798352	0.001956583	0.046208147	0.020942559	5.65905E-06	22.02364349	2.12069E-05	0.000349045	0.000238417
2087 May	110.5417404	0.093474887	0.060671143	0.002032258	19.17341805	0.038498141	30.51843262	0.001124957	0.000988752	5.18646E-06	0.007881923	0.002112999	0.047820974	0.024823356	5.70027E-06	25.07661629	2.29436E-05	0.000393996	0.000319777
2087 Jun	112.7344284	0.069037378	0.06717211	0.002148326	17.56953239	0.030914547	33.08124161	0.001133577	0.00097783	5.16439E-06	0.007845184	0.002139563	0.052270796	0.023064364	5.74927E-06	23.79917526	2.71033E-05	0.000410101	0.000315551
2087 Jul	90.45159149	0.050987061	0.049561709	0.001856064	14.50536919	0.032824032	24.45659828	0.001129488	0.001017802	5.28626E-06	0.007394732	0.001842065	0.040099602	0.020064976	5.7054E-06	19.90967369	2.25886E-05	0.000329575	0.000246911

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2087 Aug	86.04894257	0.048940573	0.044789419	0.001806728	14.30347633	0.036357172	22.3163681	0.001159942	0.001060448	5.4779E-06	0.00728519	0.001811289	0.037187796	0.019998318	5.85117E-06	19.53406525	2.01847E-05	0.000310305	0.000231822
2087 Sep	79.0749588	0.06219909	0.036252845	0.001647573	14.18492603	0.039018642	18.6260891	0.001141449	0.001063585	5.45539E-06	0.007573358	0.001675355	0.03191917	0.019587204	5.7475E-06	18.95446587	1.88476E-05	0.000289771	0.000210333
2087 Oct	81.93025208	0.079837762	0.037450112	0.001649149	14.98936272	0.040420361	19.83330345	0.001112	0.001029096	5.29166E-06	0.007863342	0.001682273	0.033350337	0.019694779	5.6024E-06	19.4554882	1.92811E-05	0.000294791	0.000208963
2087 Nov	85.26752472	0.087118603	0.03996098	0.001689231	15.53557968	0.040935408	21.31705475	0.001104913	0.001014595	5.23214E-06	0.007986909	0.001720811	0.035367075	0.019920209	5.57054E-06	19.94255638	1.97746E-05	0.000303177	0.000213059
2087 Dec	85.20108032	0.087234788	0.039872043	0.001687878	15.53474617	0.040966008	21.27715683	0.001105084	0.001015001	5.23376E-06	0.007992025	0.001719711	0.03531041	0.019920763	5.57128E-06	19.93908119	1.97688E-05	0.000302997	0.0002129
2088 Jan	85.21868134	0.087302983	0.039841752	0.001687012	15.54848576	0.040963866	21.25836563	0.001105101	0.001015155	5.23428E-06	0.00799261	0.001720077	0.035273515	0.019955495	5.57129E-06	19.96271324	1.97675E-05	0.0003032	0.000213491
2088 Feb	85.28044891	0.087348811	0.039845049	0.001686594	15.56885719	0.040949933	21.2530098	0.001105133	0.001015256	5.23466E-06	0.007991659	0.001721226	0.035252385	0.020004224	5.57141E-06	19.99816513	1.97699E-05	0.000303585	0.000214387
2088 Mar	85.41932678	0.087481588	0.039896064	0.00168845	15.5991497	0.040992949	21.27635574	0.001106515	0.001016565	5.24134E-06	0.008001013	0.001723976	0.035284463	0.020055387	5.57836E-06	20.04211617	1.97957E-05	0.000304169	0.000215139
2088 Apr	86.40496826	0.088477954	0.040337238	0.001706703	15.78597164	0.041433256	21.50629425	0.001118706	0.001027819	5.29926E-06	0.00808828	0.001743796	0.035656597	0.020312494	5.63979E-06	20.28911209	2.00152E-05	0.000307803	0.000218178
2088 May	89.68210602	0.091136292	0.041031308	0.001723651	16.65586281	0.041702595	21.64968872	0.001141263	0.001051242	5.41485E-06	0.008217034	0.001807887	0.035565481	0.022137688	5.75214E-06	21.70233345	2.05047E-05	0.000324945	0.00024897
2088 Jun	102.4212952	0.06181708	0.059871141	0.002028752	15.50258827	0.030710587	30.2098465	0.001118533	0.000976118	5.13069E-06	0.007851887	0.001962265	0.04885488	0.019869711	5.66516E-06	20.95773506	2.63679E-05	0.000371345	0.000255891
2088 Jul	98.66466522	0.05496373	0.05660807	0.002026214	14.72698116	0.031404071	28.5058136	0.001171678	0.001037632	5.42338E-06	0.008164179	0.001926369	0.047082368	0.019135503	5.92645E-06	20.10814285	2.70177E-05	0.000362064	0.000236768
2088 Aug	97.45806885	0.055831023	0.053459164	0.002023027	15.07890701	0.035041045	27.02992821	0.001227846	0.001103111	5.73443E-06	0.008339025	0.00194115	0.045374732	0.019822557	6.20256E-06	20.51916885	2.58289E-05	0.000359745	0.000234078
2088 Sep	90.45775604	0.061127562	0.045939576	0.00187798	14.82750797	0.037322532	23.54266548	0.001209128	0.00110421	5.70516E-06	0.008268809	0.001825018	0.040364586	0.019523295	6.09891E-06	19.92798615	2.34979E-05	0.000337863	0.000217197
2088 Oct	83.32292175	0.089761779	0.037367314	0.001641808	15.17188644	0.040446877	20.46411133	0.001100354	0.001015127	5.22503E-06	0.008242549	0.001660642	0.034495786	0.019227702	5.54484E-06	19.45660782	2.05675E-05	0.000301315	0.000200059
2088 Nov	86.90116119	0.096292272	0.040001389	0.001683086	15.77647018	0.041180007	22.05374146	0.001093457	0.001000526	5.16546E-06	0.008285522	0.001710903	0.036506139	0.019653639	5.51419E-06	20.0629673	2.07186E-05	0.000308529	0.000207518
2088 Dec	86.84323883	0.096404411	0.039916333	0.001681998	15.77770901	0.041218147	22.01436615	0.001093855	0.001001159	5.16821E-06	0.008291448	0.001710092	0.03645087	0.019658353	5.51606E-06	20.06254959	2.07137E-05	0.000308382	0.000207405
2089 Jan	86.85371399	0.096454754	0.039882731	0.001681017	15.79055023	0.041213192	21.99258041	0.001093827	0.001001281	5.16856E-06	0.008291108	0.001710384	0.036408987	0.019693358	5.51585E-06	20.08550453	2.07097E-05	0.000308565	0.000208009
2089 Feb	86.92514038	0.096505091	0.039890539	0.001680785	15.81289959	0.041203417	21.98901176	0.001093991	0.001001507	5.16958E-06	0.008290833	0.001711755	0.03639064	0.019745447	5.51664E-06	20.12380219	2.07137E-05	0.000308988	0.000208951
2089 Mar	87.090271	0.096672647	0.039952714	0.001683098	15.84803486	0.041257922	22.01899719	0.001095669	0.001003084	5.17764E-06	0.008302722	0.001714987	0.036433484	0.019802496	5.52508E-06	20.17388725	2.0746E-05	0.000309667	0.000209767
2089 Apr	87.71872711	0.097359002	0.040231321	0.001694617	15.96602821	0.041538704	22.16948891	0.00110329	0.001010091	5.21375E-06	0.008359884	0.001727349	0.036677662	0.019959314	5.56349E-06	20.32791138	2.08907E-05	0.000311967	0.00021158
2089 May	104.3325806	0.094009884	0.051278878	0.001847923	18.55031204	0.037564449	26.82411194	0.001122008	0.00100709	5.23661E-06	0.00812761	0.002009848	0.042102743	0.025333725	5.6685E-06	24.90276718	2.32325E-05	0.00038259	0.000325424
2089 Jun	112.9346008	0.069651946	0.061498933	0.002019999	18.16073227	0.030178674	31.11824036	0.001140568	0.001000119	5.2459E-06	0.00788557	0.002146335	0.048596557	0.025709715	5.77447E-06	25.51247406	2.7037E-05	0.000422025	0.000361147
2089 Jul	92.74183655	0.053049259	0.046939459	0.001793193	15.27344513	0.032593098	23.8143425	0.001140756	0.001036485	5.36449E-06	0.007457456	0.001882584	0.03849417	0.022386122	5.75683E-06	21.58924675	2.27377E-05	0.000344644	0.000287039
2089 Aug	84.73686981	0.047580894	0.041005835	0.001724018	14.38082504	0.037081018	21.23944664	0.001155479	0.001064474	5.48118E-06	0.00706261	0.001808667	0.034924459	0.021021621	5.82345E-06	20.04726028	1.8744E-05	0.000302769	0.000246962
2089 Sep	83.72905731	0.06767524	0.038168442	0.001662003	14.89469814	0.03958289	20.56246567	0.001128125	0.001042503	5.36185E-06	0.007485766	0.001741783	0.034091234	0.020525021	5.68389E-06	19.98596001	1.86056E-05	0.00029886	0.000228159
2089 Oct	109.2972565	0.100348316	0.058152329	0.002017622	18.04284668	0.041040078	32.31228256	0.00112261	0.00097809	5.14216E-06	0.008237706	0.002065917	0.050677717	0.021834914	5.68695E-06	23.23260689	2.32072E-05	0.000366831	0.000260277
2089 Nov	112.6590118	0.102541119	0.060712907	0.00207035	18.43072128	0.041280415	33.76397324	0.001131406	0.000979669	5.16258E-06	0.008324237	0.002116619	0.05276408	0.022134505	5.7348E-06	23.71258926	2.37823E-05	0.000376327	0.000266392
2089 Dec	112.5617599	0.102647141	0.060594104	0.002068744	18.42849541	0.041322239	33.70485687	0.001131865	0.000980461	5.16596E-06	0.008330978	0.002115234	0.052682359	0.022136513	5.73692E-06	23.70729256	2.37742E-05	0.000376089	0.000266189
2090 Jan	112.5560455	0.102705859	0.060544204	0.002067677	18.44026756	0.041326039	33.67393875	0.001132016	0.000980809	5.16736E-06	0.008332328	0.002115333	0.052629821	0.022169938	5.73757E-06	23.72807121	2.37707E-05	0.000376235	0.000266717
2090 Feb	112.6254349	0.102766164	0.060548749	0.002067568	18.46252251	0.04132387	33.66898727	0.001132336	0.000981198	5.16919E-06	0.008333458	0.002116713	0.052611478	0.022220606	5.73914E-06	23.76543808	2.37766E-05	0.00037665	0.000267602
2090 Mar	112.775528	0.102901481	0.060611565	0.002069568	18.49306297	0.041363865	33.69983673	0.001133639	0.000982389	5.17533E-06	0.00834238	0.002119575	0.052653898	0.022270396	5.74571E-06	23.80950928	2.38035E-05	0.000377251	0.000268351
2090 Apr	113.2596741	0.103342302	0.060861543	0.002078021	18.57585335	0.041532815	33.83648682	0.001138388	0.000986539	5.19713E-06	0.008376942	0.002128698	0.05286409	0.022377552	5.76976E-06	23.91882324	2.39029E-05	0.000378928	0.000269728
2090 May	115.9887695	0.102716736	0.061733115	0.002088011	19.17658615	0.040803514	34.01625824	0.001150702	0.000999111	5.25952E-06	0.008396506	0.002197786	0.05283162	0.023902779	5.8315E-06	25.06780434	2.44339E-05	0.000394545	0.000298857
2090 Jun	117.1740341	0.067138791	0.066474102	0.002152738	16.87353516	0.031525165	36.60559082	0.001145498	0.000976687	5.17502E-06	0.008003022	0.002176417	0.057384532	0.021653129	5.81327E-06	23.40921211	2.79343E-05	0.000406778	0.00029227
2090 Jul	95.22174072	0.050337259	0.050015479	0.001890352	13.96365738	0.031533215	27.2890245	0.001158069	0.001034588	5.38582E-06	0.007962052	0.001868413	0.044819999	0.018905839	5.85151E-06	19.71144104	2.5709E-05	0.000343813	0.000231225
2090 Aug	96.56078339	0.06527783	0.048279759	0.001833801	15.83905888	0.040365078	27.43624306	0.001121477	0.00100006	5.20895E-06	0.007038784	0.001896005	0.045235354	0.019852629	5.66484E-06	21.03992653	1.78937E-05	0.000337402	0.000222747
2090 Sep	113.6686172	0.090444885	0.059861224	0.002051331	18.02407074	0.041192666	34.74846268	0.001138951	0.000980777	5.17453E-06	0.00788388	0.002143701	0.054757409	0.021779394	5.76551E-06	23.67823982	2.23303E-05	0.000381157	0.000261598
2090 Oct	123.2987518	0.104033671	0.066525578	0.002177888	19.11379433	0.041233361	39.0399704	0.001151593	0.000969921	5.15872E-06	0.00841728	0.002292746	0.060330305	0.022779813	5.83245E-06	25.0531044	2.53103E-05	0.000405849	0.000283214
2090 Nov	124.4578934	0.103959739	0.067512944	0.002196116	19.19932175	0.041178808	39.63645935	0.001153769	0.000968097	5.15585E-06	0.008413458	0.002314728	0.061213903	0.022840105	5.84268E-06	25.18198776	2.54726E-05	0.000409487	0.000285091
2090 Dec	124.2528534	0.104059644	0.067313656	0.002192879	19.18749428	0.041220054	39.52826309	0.00115391	0.000968833	5.15852E-06	0.008419164	0.002311552	0.061061349	0.02283269	5.84314E-06	25.16200066	2.54482E-05	0.000408938	0.000284669
2091 Jan	124.2610321	0.104099736	0.067276329	0.002191775	19.202631	0.041210543	39.49894333	0.001153908	0.000969024	5.15914E-06	0.008418445	0.002311874	0.061007254	0.022875408	5.84304E-06	25.18930054	2.54437E-05	0.000409166	0.000285414
2091 Feb	124.3160477	0.104133822	0.067268305	0.002190986	19.22569084	0.041189525	39.48232269	0.001153887	0.000969138	5.15948E-06	0.00841638	0.002312986	0.06096663	0.022934755	5.84288E-06	25.23051453	2.5443E-05	0.000409591	0.00028651
2091 Mar	124.5875626	0.10435982	0.067392834	0.002194815	19.27603722	0.041260045	39.54903793	0.001156155	0.000971128	5.1699E-06	0.008431961	0.002318097	0.061061721	0.0230124	5.85433E-06	25.3025074	2.54923E-05	0.000410621	0.000287668
2091 Apr	125.6060715	0.10521552	0.067929834	0.002212214	19.4386692	0.041587543	39.86059952	0.001165487	0.000979023	5.21182E-06	0.00849953	0.002337089	0.061538376	0.023216728	5.90156E-06	25.51932335	2.56974E-05	0.000414057	0.000290326
2091 May	128.6173706	0.102312408	0.068211369	0.002193356	20.35442924	0.039607566	39.24607468	0.001176074	0.000994147	5.2794E-06	0.008425942	0.002401443	0.0600501	0.026011275	5.95142E-06	27.43883705	2.63192E-05	0.000438948	0.000344859
2091 Jun	120.8872147	0.070151567	0.067189559	0.002155897	17.60681725	0.031917751	37.70534134	0.001161264	0.000977334	5.19575E-06	0.00802369	0.002289082	0.058985785	0.023158111	5.86593E-06	24.67673492	2.81162E-05	0.000429197	0.000316857
2091 Jul	109.9045868	0.06075158	0.058744777	0.002064947	16.05817986	0.032749038	32.77350235	0.00120939	0.001050887	5.52063E-06	0.008337118	0.002139696	0.052758243	0.021608453	6.09763E-06	22.69958687	2.79488E-05	0.000399055	0.000278902
2091 Aug	87.35455322	0.055115979	0.040828366	0.001705595	14.40339565	0.037839495	23.18494797	0.001136059	0.001030298	5.32898E-06	0.007216747	0.001791632	0.039298441	0.019351773	5.71362E-06	19.72973633	1.8855E-05	0.000320938	0.000214704
2091 Sep	92.98742676	0.074452035	0.043397281	0.001739193	15.82238674	0.041464444	25.50185013	0.001116194	0.000999768	5.19387E-06	0.007319151	0.001853969	0.042505652	0.019927448	5.61645E-06	20.8830986	1.78248E-05	0.000332436	0.000216155
2091 Oct	120.6206589	0.097847775	0.06398055	0.002126362	18.69421577	0.041163784	38.05822754	0.001154341	0.000971099	5.16188E-06	0.008193284	0.002284258	0.059411105	0.02254105	5.82696E-06	24.70251656	2.42668E-05	0.000404812	0.000277094
2091 Nov	124.6381454	0.103523202	0.066445269	0.002174182	19.14397049	0.041345999	39.83897018	0.001160291	0.000967889	5.16065E-06	0.008410891	0.002344701	0.061724365	0.022956364	5.85864E-06	25.29022217	2.53966E-05	0.000414551	0.00028553
2091 Dec	124.061554	0.103740387	0.065920062	0.002164857	19.10277176	0.041416399	39.55260086	0.001159709	0.000968913	5.16307E-06	0.008420269	0.002335196	0.061312623	0.022921422	5.8552E-06	25.2241497	2.53255E-05	0.00041289	0.000284304
2092 Jan	124.1212234	0.103782736	0.065919548	0.002164375	19.12452507	0.041401882	39.54223633	0.001159787	0.000969093	5.16379E-06	0.008419344	0.002336361	0.061283339	0.022974784	5.85555E-06	25.26212692	2.53277E-05	0.000413293	0.000285278
2092 Feb	124.2187195	0.103843443	0.065930843	0.002164023	19.15617752	0.041384786	39.53427124	0.001160003	0.000969415	5.16523E-06	0.008418596	0.002338241	0.061252847	0.023049701	5.8566E-06	25.31658745	2.53331E-05	0.000413893	0.00028664
2092 Mar	124.5318985	0.104109541	0.066070095	0.002168392	19.21470261	0.041468561	39.61014557	0.001162671	0.00097176	5.17749E-06	0.008436964	0.002344195	0.061361395	0.023140529	5.87003E-06	25.40050888	2.53902E-05	0.000415094	0.000287985
2092 Apr	125.3769379	0.104819007	0.066503115	0.002182497	19.35087395	0.04173867	39.86548615	0.001170421	0.000978304	5.21222E-06	0.008492657	0.002360137	0.061751932	0.023315974	5.90914E-06	25.58418846	2.55587E-05	0.000417999	0.000290289
2092 May	128.600769	0.101048373	0.066602141	0.002151716	20.34310532	0.039213773	39.08957291	0.001177186	0.000991359	5.26667E-06	0.008374159	0.00242546	0.05986895	0.026487926	5.94067E-06	27.74423599	2.62208E-05	0.000445257	0.000353207
2092 Jun	129.2125397	0.073646531	0.072376817	0.002254515	18.08831596	0.033014335	42.53108215	0.001175597	0.00095844	5.14853E-06	0.008053266	0.002451572	0.066206239	0.023097847	5.92353E-06	25.39664078	2.87687E-05	0.000450422	0.000316653
2092 Jul	108.1223831	0.057953499	0.057858713	0.002025269	15.38153267	0.033601556	33.80431747	0.0011789	0.001006054	5.31242E-06	0.007874913	0.002152091	0.054268185	0.020298772	5.92472E-06	21.72281837	2.59429E-05	0.000383807	0.000254946
2092 Aug	100.7602463	0.056777701	0.050805453	0.001927081	15.15133381	0.036927469	29.76268768	0.001199488	0.001050883	5.49699E-06	0.00777456	0.002051726	0.048845772	0.020209868	6.02339E-06	21.18055534	2.31467E-05	0.000361939	0.00023776
2092 Sep	88.44403076	0.064853363	0.03977751	0.001698703	14.67291737	0.03961033	23.74321175	0.001147715	0.001035034	5.35902E-06	0.007563001	0.001822327	0.040215448	0.019353522	5.758E-06	19.91197777	1.93579E-05	0.000324052	0.000207745
2092 Oct	94.55721283	0.083770253	0.042990673	0.001740558	15.80876827	0.040819839	26.28933334	0.001130111	0.001004774	5.22813E-06	0.007952048	0.001897719	0.04317189	0.020196971	5.67155E-06	21.04679871	2.06555E-05	0.000337077	0.000221399
2092 Nov	96.03238678	0.087987654	0.04374804	0.001752187	16.07791901	0.041143075	26.88516998	0.001128006	0.000999741	5.20769E-06	0.008048362	0.001916931	0.043883223	0.020409595	5.66144E-06	21.32493973	2.09685E-05	0.000340402	0.000224689
2092 Dec	95.97377014	0.088126034	0.04366792	0.001751316	16.08111	0.041185547	26.84197617	0.001128487	0.0010005	5.21104E-06	0.008055785	0.001916026	0.043822251	0.020415688	5.6638E-06	21.32524681	2.0967E-05	0.000340249	0.000224583
2093 Jan	95.967453	0.088182569	0.043630261	0.001750263	16.09211349	0.041179933	26.81400299	0.001128381	0.001000588	5.21116E-06	0.008055612	0.00191594	0.043771498	0.020446377	5.66324E-06	21.34403229	2.09623E-05	0.000340362	0.00022511
2093 Feb	96.03424072	0.088240199	0.043638147	0.001750127	16.1136322	0.041173805	26.80957603	0.001128588	0.001000866	5.21243E-06	0.008056064	0.001917208	0.043753054	0.020495316	5.66426E-06	21.38001251	2.09673E-05	0.000340756	0.000225982
2093 Mar	96.39575195	0.088570319	0.043790109	0.001755974	16.17993736	0.041309752	26.89785767	0.00113252	0.001004405	5.23077E-06	0.008083568	0.001924389	0.043890983	0.020591468	5.68399E-06	21.47205925	2.1041E-05	0.000342124	0.000227225
2093 Apr	97.10174561	0.089217819	0.044103768	0.00176841	16.3016758	0.041601378	27.08760643	0.001140633	0.001011629	5.26834E-06	0.008141153	0.001938463	0.044197079	0.020753173	5.7247E-06	21.63595009	2.11921E-05	0.000344679	0.000229114
2093 May	105.9590912	0.088191122	0.047822352	0.001787124	18.13366508	0.038201988	28.1943102	0.001147302	0.00101541	5.29185E-06	0.008039025	0.002092163	0.044572677	0.025358399	5.75906E-06	25.13769341	2.27817E-05	0.000392507	0.000322497
2093 Jun	128.7597046	0.071832091	0.069789134	0.002204759	17.89426231	0.032606386	42.14062881	0.001182798	0.000966988	5.18452E-06	0.008108664	0.002451545	0.065641984	0.02337274	5.95046E-06	25.5458889	2.89973E-05	0.000452639	0.000321166
2093 Jul	106.6329575	0.055718128	0.054505978	0.001969029	15.17171383	0.033673424	32.76067352	0.0011896	0.001024595	5.39004E-06	0.007918066	0.002131593	0.052637082	0.020633079	5.97518E-06	21.80942535	2.57988E-05	0.000380066	0.000258779
2093 Aug	92.93605804	0.049655393	0.043843158	0.001793581	14.16472912	0.036917698	26.39196777	0.001186879	0.00105844	5.50008E-06	0.00751134	0.001943022	0.043560915	0.019799247	5.95555E-06	20.17130089	2.13862E-05	0.000332558	0.000227522
2093 Sep	89.88510132	0.069743551	0.039346199	0.001688206	14.76723099	0.039602671	24.41558647	0.001147262	0.00103241	5.34777E-06	0.007765742	0.001850441	0.040454425	0.019820664	5.75473E-06	20.23340988	2.02549E-05	0.000321786	0.000216653
2093 Oct	120.368782	0.10054332	0.059899092	0.002040948	18.36964798	0.041084912	38.24087524	0.001156063	0.000965986	5.13639E-06	0.008373951	0.002305673	0.059568122	0.022639371	5.80966E-06	24.77386475	2.48123E-05	0.000406596	0.000276767
2093 Nov	123.8445587	0.104114257	0.061876219	0.002081256	18.79091072	0.041537128	39.72837448	0.001164387	0.000966493	5.15117E-06	0.008491583	0.002360072	0.061661564	0.023017546	5.85211E-06	25.33181763	2.53759E-05	0.000416409	0.00028334
2093 Dec	123.56427	0.104243033	0.061628591	0.002077278	18.77581215	0.041588873	39.57972717	0.001164466	0.000967446	5.15453E-06	0.008498501	0.002355442	0.061450016	0.023005694	5.85237E-06	25.30297279	2.53422E-05	0.000415614	0.000282766
2094 Jan	123.5768738	0.104291923	0.061596408	0.002076322	18.79270744	0.041581463	39.54978943	0.001164512	0.000967706	5.15548E-06	0.008498222	0.002355787	0.061394449	0.023050666	5.85257E-06	25.33202362	2.53386E-05	0.000415853	0.000283546
2094 Feb	123.6389236	0.104336098	0.061593141	0.002075679	18.817976	0.041562952	39.53315353	0.001164562	0.000967905	5.15623E-06	0.0084967	0.002356997	0.061353277	0.023113409	5.85279E-06	25.37593269	2.53392E-05	0.000416305	0.000284694
2094 Mar	123.8763123	0.104540437	0.061690263	0.002078763	18.86339951	0.041624699	39.58774567	0.001166571	0.000969681	5.16549E-06	0.008510471	0.002361555	0.061430074	0.023186667	5.86287E-06	25.44234848	2.53818E-05	0.00041724	0.000285791
2094 Apr	124.4912338	0.105061665	0.061984394	0.002088566	18.96235657	0.041820984	39.77206039	0.001172231	0.000974448	5.19076E-06	0.008551261	0.002373296	0.061711535	0.023318302	5.89131E-06	25.57877731	2.55043E-05	0.000419389	0.000287524
2094 May	133.0274048	0.098988637	0.066358708	0.002125131	20.36776543	0.03824991	41.46312714	0.001180736	0.000975252	5.20656E-06	0.008321437	0.002527282	0.063254662	0.027102465	5.93419E-06	28.52536583	2.68466E-05	0.000463813	0.00036783
2094 Jun	123.0673523	0.071091019	0.060180649	0.001981734	18.52048302	0.030670624	36.21773148	0.001173144	0.000993999	5.25665E-06	0.008029278	0.002370429	0.055973269	0.02703069	5.88971E-06	27.33667374	2.81895E-05	0.000458426	0.000384102

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2094 Jul	108.6330719	0.059696462	0.050549667	0.001870316	16.6169529	0.032352202	30.1883831	0.001208807	0.00106219	5.54553E-06	0.008115202	0.002171429	0.048017316	0.02484569	6.06356E-06	24.63048935	2.65802E-05	0.000409869	0.000332506
2094 Aug	105.7394638	0.058495704	0.047335573	0.001873791	16.65858269	0.036030211	28.29462814	0.001265171	0.001130276	5.8672E-06	0.008254324	0.002164347	0.045679927	0.025048044	6.34382E-06	24.52476692	2.52201E-05	0.000398345	0.000321222
2094 Sep	84.85210419	0.076182224	0.031387962	0.001544197	15.21181202	0.039440688	19.50743103	0.001165343	0.001081368	5.54119E-06	0.008226237	0.001764647	0.032921124	0.021987516	5.83789E-06	21.20257378	2.08985E-05	0.000323438	0.000247393
2094 Oct	92.51650238	0.095331103	0.037040234	0.001615686	16.01759148	0.041252147	24.40608597	0.001117943	0.001006847	5.21171E-06	0.008339446	0.001846779	0.039624382	0.02117341	5.60415E-06	21.55265236	2.12276E-05	0.000331014	0.000233761
2094 Nov	109.8336029	0.103481814	0.049656902	0.001842546	17.48787498	0.041720845	33.145401	0.001130262	0.000970614	5.10801E-06	0.008444063	0.002118348	0.052055422	0.02194122	5.67309E-06	23.54837418	2.33662E-05	0.000374702	0.000256019
2094 Dec	111.5718613	0.103636563	0.050917007	0.001866493	17.62856102	0.041699756	33.97854996	0.001133756	0.000969484	5.10975E-06	0.008451805	0.002147194	0.053251471	0.022067452	5.69131E-06	23.77148247	2.36072E-05	0.000379581	0.000259253
2095 Jan	111.6604538	0.103699893	0.050933532	0.001866441	17.65534401	0.041690957	33.97655487	0.001134011	0.000969807	5.11125E-06	0.008452015	0.002148859	0.053233888	0.022127798	5.69258E-06	23.81632042	2.36136E-05	0.000380084	0.000260338
2095 Feb	111.8145447	0.103753157	0.050989192	0.001866835	17.6924324	0.041667562	33.99368668	0.001134278	0.000970044	5.11249E-06	0.008450604	0.002151672	0.053238098	0.022209907	5.69392E-06	23.87973213	2.36258E-05	0.00038086	0.000261881
2095 Mar	111.9786758	0.103886768	0.051047318	0.001868463	17.72778511	0.041697081	34.02210617	0.001135476	0.000971146	5.11815E-06	0.008458131	0.002154817	0.053272065	0.022274297	5.69992E-06	23.93399239	2.36515E-05	0.000381572	0.00026292
2095 Apr	112.6858292	0.104540296	0.051357761	0.001879647	17.84576607	0.041945651	34.22325516	0.001142444	0.000977169	5.14977E-06	0.008509359	0.002168435	0.053581472	0.022434141	5.73489E-06	24.09681511	2.37963E-05	0.000384073	0.000264957
2095 May	126.4213028	0.095606469	0.058433276	0.001941568	20.09584427	0.036435414	37.01631927	0.00115543	0.000978306	5.17428E-06	0.008161893	0.00241075	0.05616777	0.028379006	5.80275E-06	28.76059723	2.59335E-05	0.000453728	0.000391106
2095 Jun	130.466507	0.077386312	0.061086386	0.001979441	20.10160828	0.031028062	37.52989578	0.00118712	0.001007196	5.32294E-06	0.008084393	0.002489289	0.056879658	0.030298488	5.96259E-06	30.05603409	2.85157E-05	0.000486786	0.000441917
2095 Jul	117.7678986	0.067290641	0.052864406	0.001893927	18.53783226	0.033685274	32.33297729	0.00122402	0.001071893	5.60209E-06	0.008052256	0.002332568	0.049910963	0.028490152	6.14292E-06	27.71983147	2.6263E-05	0.000439522	0.000395468
2095 Aug	89.94389343	0.054244295	0.03651524	0.001589854	15.18304539	0.037610143	22.76609802	0.001140133	0.001037866	5.35238E-06	0.006977592	0.001886387	0.037165403	0.022718921	5.71586E-06	21.94361115	1.79712E-05	0.000332211	0.000274061
2095 Sep	90.53321075	0.06589736	0.036524393	0.001599674	15.41684055	0.040928584	23.77775574	0.001127461	0.001019764	5.27043E-06	0.0071038	0.001854159	0.039580882	0.021147925	5.65306E-06	21.39675522	1.68095E-05	0.000329801	0.000236211
2095 Oct	94.26865387	0.07758107	0.038451537	0.001637248	15.88964653	0.041496713	25.54412651	0.001126494	0.001009879	5.23519E-06	0.007521358	0.001897066	0.041816499	0.021268699	5.64961E-06	21.81997108	1.84094E-05	0.000336809	0.000237754
2095 Nov	100.9234467	0.092941187	0.042360481	0.001705587	16.58211708	0.041861985	28.84662819	0.001121031	0.000987317	5.14961E-06	0.00804404	0.001978126	0.046093129	0.021443658	5.62528E-06	22.52562332	2.07944E-05	0.000350115	0.000242623
2095 Dec	101.478981	0.0945592	0.042635571	0.00171105	16.64990044	0.041944828	29.10724258	0.001121062	0.000986076	5.14544E-06	0.008102793	0.001984545	0.046424441	0.021464257	5.62571E-06	22.59025764	2.10208E-05	0.000351158	0.000242909
2096 Jan	101.639267	0.094669357	0.042697873	0.001711755	16.68491936	0.041930858	29.13477707	0.001121381	0.000986305	5.14673E-06	0.008104427	0.001987342	0.04644563	0.021535773	5.62732E-06	22.64789772	2.10418E-05	0.000351884	0.00024424
2096 Feb	101.7800827	0.094781861	0.04272474	0.001711818	16.72778893	0.041921631	29.13105202	0.001121905	0.000986935	5.1497E-06	0.008106016	0.001990035	0.04641816	0.02163112	5.62993E-06	22.71878052	2.10547E-05	0.000352685	0.000245934
2096 Mar	101.9395981	0.094924971	0.04277264	0.001713268	16.76516533	0.041953251	29.15181541	0.001123153	0.000988137	5.15579E-06	0.008113888	0.001993137	0.046439987	0.021701232	5.63617E-06	22.77628708	2.10792E-05	0.000353411	0.000247056
2096 Apr	102.5514908	0.09549173	0.043018725	0.001722862	16.87203979	0.042186022	29.31288147	0.001129609	0.000993876	5.18563E-06	0.008159891	0.002005092	0.046690267	0.021851741	5.66857E-06	22.92524719	2.1201E-05	0.000355629	0.000248951
2096 May	112.3346176	0.093189843	0.047819383	0.001774121	18.46823311	0.039049573	31.45577431	0.001143706	0.000999191	5.22629E-06	0.008098658	0.002172037	0.048796117	0.025756864	5.74188E-06	26.06827545	2.30609E-05	0.000402122	0.00033023
2096 Jun	135.7493286	0.071177237	0.067673571	0.002162295	17.58469582	0.032874506	46.21622086	0.001191852	0.000961685	5.17412E-06	0.008235261	0.002532172	0.071186975	0.023180971	5.99687E-06	26.1707325	2.98681E-05	0.000460243	0.000320513
2096 Jul	116.431221	0.057941452	0.055323411	0.001993743	15.43826389	0.033472884	37.35987091	0.001221157	0.00103647	5.47533E-06	0.00833052	0.002260174	0.059278548	0.02113759	6.13313E-06	23.10163307	2.81927E-05	0.000406806	0.000271145
2096 Aug	110.1275482	0.057759754	0.049875021	0.001933061	15.42500877	0.036922127	33.65485001	0.001250468	0.001087294	5.69532E-06	0.008301989	0.002181667	0.054427065	0.021213857	6.2765E-06	22.7303772	2.57665E-05	0.000389728	0.000256716
2096 Sep	97.19428253	0.076949947	0.039553825	0.001693234	15.31011677	0.040078774	27.47424126	0.001163261	0.001036047	5.3819E-06	0.008151476	0.001932553	0.044960793	0.020387411	5.83424E-06	21.42638588	2.18631E-05	0.000344805	0.000226487
2096 Oct	116.6143188	0.102182068	0.050897922	0.001868573	17.67748833	0.041710362	36.46523285	0.001149237	0.000974786	5.15013E-06	0.008528631	0.002220719	0.056761336	0.022381909	5.76917E-06	24.45384979	2.43165E-05	0.000390997	0.000266826
2096 Nov	121.2693329	0.103884906	0.053777561	0.001925096	18.10953522	0.041892063	38.58413315	0.001160425	0.00097463	5.16728E-06	0.00859876	0.002297613	0.05975746	0.022833755	5.82663E-06	25.13423157	2.49964E-05	0.000403963	0.000276417
2096 Dec	121.0648193	0.103946857	0.053625979	0.001922501	18.09752655	0.041915782	38.48072815	0.001160232	0.00097502	5.1683E-06	0.008601086	0.002294229	0.059610046	0.022821404	5.82558E-06	25.11017418	2.49697E-05	0.000403385	0.000275998
2097 Jan	121.0084	0.103982106	0.05356181	0.001920889	18.10634613	0.041906554	38.42549896	0.001160013	0.000975139	5.16837E-06	0.008599637	0.002293376	0.059519745	0.02285265	5.82444E-06	25.12478828	2.49562E-05	0.000403391	0.000276519
2097 Feb	121.0366211	0.104010358	0.053549424	0.00192007	18.12532234	0.041886922	38.40176392	0.001159908	0.000975207	5.16843E-06	0.008597372	0.002293976	0.059470743	0.022902433	5.82389E-06	25.15771294	2.49525E-05	0.000403701	0.000277439
2097 Mar	121.1802444	0.104135983	0.05359938	0.001921657	18.15489197	0.041920565	38.42947006	0.001161079	0.000976278	5.17394E-06	0.008605242	0.002296734	0.059506956	0.0229539	5.82976E-06	25.20235443	2.49769E-05	0.000404297	0.000278235
2097 Apr	122.0990601	0.104926817	0.053997975	0.00193583	18.29717445	0.04222919	38.71059036	0.001169765	0.00098363	5.21282E-06	0.008669149	0.002314169	0.059938423	0.023141891	5.87337E-06	25.40193558	2.51633E-05	0.000407431	0.000280613
2097 May	124.7638474	0.099106066	0.053661592	0.001877995	19.60684204	0.038400222	36.69642258	0.001169952	0.000997631	5.26093E-06	0.008434503	0.002373658	0.055927619	0.027511476	5.87247E-06	28.20794296	2.57754E-05	0.000441078	0.000367787
2097 Jun	130.7140503	0.070035316	0.061918806	0.002040237	17.75944138	0.031916149	42.13881683	0.001193567	0.000984372	5.2525E-06	0.008243033	0.002473424	0.06503541	0.024899313	5.99316E-06	26.78355026	2.94522E-05	0.00046135	0.000348074
2097 Jul	112.5582886	0.057137411	0.050830103	0.001896315	15.65845871	0.033560276	34.33911514	0.001217598	0.001049787	5.51413E-06	0.008181094	0.002221756	0.054437816	0.022586111	6.10813E-06	23.64147377	2.69585E-05	0.00040202	0.00029304
2097 Aug	97.98498535	0.051415406	0.041200161	0.001739122	14.60935879	0.036777347	27.77362823	0.001207598	0.00107618	5.58859E-06	0.007732	0.002015869	0.045231886	0.021346502	6.05376E-06	21.67493629	2.23824E-05	0.000351979	0.000254894
2097 Sep	90.19396973	0.057814144	0.035110615	0.001628978	14.40228748	0.038922288	23.83033752	0.001189674	0.001081057	5.57694E-06	0.007750462	0.001874948	0.039774492	0.020736862	5.9614E-06	20.81199646	2.04137E-05	0.000329229	0.0002327
2097 Oct	88.99434662	0.07930968	0.033008117	0.001558379	14.89820671	0.040639378	23.33519363	0.001138303	0.001034126	5.33519E-06	0.008059843	0.001809548	0.038498756	0.020417627	5.70357E-06	20.72274208	2.0271E-05	0.000318887	0.000221068
2097 Nov	94.63564301	0.088604659	0.036271811	0.001605663	15.5785	0.041165683	26.06015778	0.001128426	0.001009828	5.23642E-06	0.008213477	0.001884355	0.042155117	0.020772349	5.65557E-06	21.50146103	2.10868E-05	0.000332139	0.000228656
2097 Dec	95.62635803	0.089689098	0.036882214	0.001615116	15.68072701	0.041203342	26.54315376	0.001127563	0.001006367	5.22321E-06	0.00823037	0.001898454	0.04281541	0.02083551	5.65153E-06	21.63354874	2.12269E-05	0.000334605	0.000230195
2098 Jan	95.8157196	0.089822263	0.036959786	0.001615943	15.72049236	0.041190062	26.58202362	0.001127798	0.001006452	5.22388E-06	0.008231062	0.001901691	0.042851243	0.020913113	5.65272E-06	21.69795227	2.1246E-05	0.000335428	0.000231646
2098 Feb	95.94250488	0.089907095	0.036987443	0.001615571	15.76071262	0.041162487	26.5763588	0.001127866	0.00100663	5.22459E-06	0.008228997	0.001904018	0.042817663	0.021005811	5.65305E-06	21.76580429	2.12521E-05	0.000336181	0.000233367
2098 Mar	96.05786133	0.090006687	0.037016962	0.001616197	15.79126358	0.041172635	26.58369446	0.001128563	0.001007344	5.22814E-06	0.008232789	0.001906243	0.042817172	0.021068154	5.65653E-06	21.81441116	2.12665E-05	0.000336762	0.000234422
2098 Apr	98.10437775	0.091371238	0.037502278	0.001612828	16.4138546	0.040797863	26.54922867	0.001130785	0.00101095	5.24398E-06	0.008210103	0.001943857	0.042390402	0.022482937	5.66748E-06	22.86008835	2.13851E-05	0.000348536	0.00026055
2098 May	121.3048859	0.091367804	0.049194623	0.001739889	20.1987114	0.035430301	32.53635788	0.001150172	0.001002355	5.24506E-06	0.007984253	0.002339856	0.048939694	0.030770127	5.76748E-06	29.83164215	2.46176E-05	0.000451097	0.000430852
2098 Jun	136.9460449	0.071844965	0.065886453	0.002129778	17.90538025	0.033025492	46.08540344	0.001214197	0.000978396	5.26242E-06	0.008358087	0.002595497	0.071183503	0.02433403	6.08834E-06	26.99320412	3.02508E-05	0.000475282	0.000337881
2098 Jul	123.2859268	0.062074773	0.057160985	0.002037785	16.39235306	0.034123886	39.60111237	0.001259533	0.001058695	5.60883E-06	0.008600193	0.002404886	0.062622286	0.022867439	6.31153E-06	24.79566193	2.9458E-05	0.000437139	0.00029966
2098 Aug	95.85599518	0.055595774	0.039408881	0.001684843	14.58460808	0.038339674	27.32472992	0.001175194	0.001043501	5.42422E-06	0.007487908	0.001959136	0.045359973	0.020263433	5.88468E-06	21.12587738	2.03339E-05	0.000348129	0.000230211
2098 Sep	115.1478195	0.089159347	0.049593601	0.001840275	17.26153564	0.041046251	35.96031952	0.001159948	0.000982144	5.18919E-06	0.008103614	0.002238253	0.056718457	0.022373885	5.80874E-06	24.31952667	2.29935E-05	0.000396046	0.000267697
2098 Oct	136.4338226	0.102387235	0.062368162	0.002079154	19.22851753	0.041208014	45.74953079	0.001199391	0.000966822	5.19765E-06	0.0086325	0.00259064	0.070257269	0.024485031	6.60665E-06	27.41496849	2.71416E-05	0.000455713	0.000313911
2098 Nov	136.1709442	0.103174232	0.061985005	0.00207369	19.22447586	0.041381858	45.61366272	0.001200414	0.000968378	5.20425E-06	0.008666151	0.002587527	0.070070229	0.024470711	6.01067E-06	27.39068031	2.71483E-05	0.000454964	0.000312765
2098 Dec	135.7351074	0.103305422	0.061672486	0.002068441	19.19913292	0.041433707	45.39283752	0.001200009	0.00096926	5.20665E-06	0.008671233	0.002580117	0.069754481	0.024442529	6.00859E-06	27.33818054	2.70915E-05	0.000453691	0.000311843
2099 Jan	135.6959686	0.103361614	0.061614126	0.002067029	19.21294212	0.0414293	45.33786011	0.001199951	0.00096956	5.20759E-06	0.008670897	0.002579558	0.06966307	0.024482869	6.00829E-06	27.35996246	2.70807E-05	0.000453775	0.000312507
2099 Feb	135.7760315	0.103416272	0.061626147	0.002066789	19.24072456	0.041415218	45.32807922	0.001200138	0.00096986	5.20891E-06	0.008670259	0.002581099	0.069632515	0.024547752	6.00922E-06	27.40668488	2.70848E-05	0.000454282	0.000313684
2099 Mar	136.1226501	0.10368827	0.061767276	0.002071298	19.29978752	0.041504372	45.42182922	0.001203002	0.000972286	5.22173E-06	0.008690051	0.002587718	0.06976857	0.024639398	6.02355E-06	27.49433708	2.71482E-05	0.000455578	0.000315032
2099 Apr	138.3438873	0.105499476	0.061976548	0.00206267	20.12745094	0.041160565	45.02748489	0.001209478	0.000982746	5.26779E-06	0.008682885	0.002631045	0.06871666	0.026573291	6.05576E-06	28.87486839	2.72585E-05	0.000470252	0.000349708
2099 May	150.8999329	0.092446819	0.067062676	0.002020481	23.1945076	0.032361604	45.0421257	0.001192884	0.000967412	5.18701E-06	0.007924355	0.002878791	0.066340908	0.035686724	5.96451E-06	35.30768585	2.88073E-05	0.00055811	0.000539607
2099 Jun	134.647995	0.073216245	0.06244811	0.002031701	18.60725594	0.032159258	43.27050018	0.00120894	0.00098094	5.25679E-06	0.008235753	0.002609532	0.066765606	0.026729332	6.03729E-06	28.25960541	2.96139E-05	0.000489226	0.00037814
2099 Jul	115.6374893	0.059537258	0.051296212	0.0018923	16.30374718	0.033950489	35.3217926	0.001230697	0.001047171	5.51918E-06	0.008161186	0.002332358	0.05594917	0.023952734	6.14712E-06	24.75277138	2.69708E-05	0.000423019	0.000314893
2099 Aug	99.84951782	0.057065852	0.040509544	0.001716677	15.40365791	0.038154379	27.86932755	0.001215173	0.001076028	5.59493E-06	0.007742296	0.00207143	0.045953009	0.022341195	6.07098E-06	22.65778732	2.17015E-05	0.00037237	0.000265901
2099 Sep	94.49674225	0.07667315	0.036233693	0.001594451	15.51777172	0.040991388	26.06471443	0.001137378	0.00100988	5.2459E-06	0.007681462	0.001929814	0.043097917	0.020989528	5.68132E-06	21.69959068	1.92375E-05	0.000345605	0.000232256
2099 Oct	115.3943634	0.09778478	0.048520196	0.001814004	17.58415413	0.041571476	35.86690521	0.001159859	0.000976387	5.16436E-06	0.0083686	0.00226748	0.056436587	0.022889379	5.7909E-06	24.66738701	2.36677E-05	0.000401628	0.000273146
2099 Nov	131.4293365	0.101907343	0.058600862	0.002002997	18.91073799	0.041387133	43.41458511	0.001194484	0.000967037	5.18511E-06	0.008576507	0.002544792	0.06717509	0.024356991	5.9621E-06	26.91605377	2.63106E-05	0.000449062	0.000307045
2099 Dec	131.2897186	0.1020253	0.058484357	0.002001501	18.90760612	0.041429978	43.33353043	0.0011948	0.00096786	5.18845E-06	0.008583051	0.002542433	0.067060329	0.024354097	5.96371E-06	26.90367508	2.62974E-05	0.000448657	0.000306747
2100 Jan	131.4050598	0.102062754	0.058531705	0.002002	18.93138695	0.041415546	43.35525894	0.001195009	0.000967982	5.18919E-06	0.008582552	0.002544521	0.067079291	0.024404792	5.96474E-06	26.94451523	2.63088E-05	0.000449188	0.000307709
2100 Feb	131.5669098	0.102098197	0.058602415	0.002002759	18.96335411	0.041392852	43.38849258	0.001195271	0.000968101	5.19001E-06	0.008581225	0.002547455	0.067110695	0.024473155	5.96605E-06	27.00000954	2.63243E-05	0.000449926	0.000309024
2100 Mar	131.6603699	0.102167085	0.0586318	0.00200341	18.98531532	0.041401219	43.40037155	0.001195825	0.000968628	5.19268E-06	0.008584201	0.002549244	0.067120761	0.024516717	5.96882E-06	27.03504562	2.63367E-05	0.000450365	0.000309764
2100 Apr	132.7644501	0.103029452	0.05911449	0.002019793	19.15004349	0.041739546	43.75207901	0.001205745	0.000976729	5.23598E-06	0.008654962	0.002570624	0.067660347	0.024738248	6.01833E-06	27.27149582	2.65545E-05	0.000454214	0.000312662
2100 May	134.5779572	0.09063679	0.057075266	0.001867944	21.15928078	0.033754896	38.88339996	0.001178588	0.000983207	5.21613E-06	0.008063504	0.002611042	0.058388881	0.032273579	5.88369E-06	31.84506226	2.71724E-05	0.000504339	0.000466992
2100 Jun	142.4163818	0.075189553	0.067708991	0.002141288	18.59548378	0.033490129	48.82624435	0.001225616	0.000957514	5.19523E-06	0.008299482	0.002768759	0.075423308	0.025514327	6.10322E-06	28.21764755	3.04216E-05	0.000505534	0.000357015
2100 Jul	119.9319382	0.060142376	0.055075422	0.001945417	15.86044598	0.033364236	39.40554428	0.001213246	0.00099749	5.31473E-06	0.008120562	0.002410069	0.062464073	0.022207055	6.0433E-06	24.09299469	2.78061E-05	0.000432732	0.0002894
2100 Aug	115.5172958	0.065744825	0.05121712	0.001863861	16.44077492	0.038693465	37.22759247	0.001184663	0.000983188	5.22084E-06	0.007463045	0.002345703	0.059428018	0.02221138	5.89964E-06	24.04440689	2.22497E-05	0.000411082	0.000272335
2100 Sep	121.8429871	0.080562316	0.053528678	0.001909279	17.75629807	0.041328736	39.44522858	0.001194045	0.000980775	5.22605E-06	0.007744541	0.002436528	0.062687509	0.023244619	5.94355E-06	25.46160698	2.24399E-05	0.000432015	0.000283394
2100 Oct	124.6804428	0.090233006	0.054550856	0.001930294	18.20734406	0.04165449	40.51785278	0.001197795	0.000978925	5.22504E-06	0.008128143	0.002476901	0.063829437	0.023733746	5.96116E-06	25.99452019	2.39242E-05	0.000438668	0.000291302
2100 Nov	127.0773697	0.092446335	0.055878617	0.001957377	18.45803452	0.041750856	41.56003952	0.001204847	0.000979856	5.23888E-06	0.008234449	0.00251855	0.065261237	0.024030164	5.99552E-06	26.37630653	2.45235E-05	0.000445845	0.000297005
2100 Dec	126.986969	0.092615895	0.055784315	0.00195665	18.46233177	0.041809294	41.49433899	0.001205601	0.000981053	5.24419E-06	0.008244802	0.002517063	0.065169252	0.02403662	5.99935E-06	26.37408829	2.45221E-05	0.000445593	0.000296827
2101 Jan	126.9534988	0.092684612	0.055735439	0.001955569	18.47334671	0.04180995	41.44907379	0.001205582	0.000981351	5.24521E-06	0.008245802	0.002516464	0.065093689	0.024067249	5.9993E-06	26.39039612	2.45159E-05	0.000445622	0.000297316
2101 Feb	126.9814835	0.09272483	0.055726115	0.001954937	18.49102211	0.04179522	41.42808533	0.001205526	0.000981468	5.24553E-06	0.008244599	0.002516968	0.065049633	0.024111897	5.99904E-06	26.42019081	2.45145E-05	0.000445889	0.000298133
2101 Mar	127.0432587	0.092780761	0.055741422	0.001955307	18.5074501	0.041802473	41.43178558	0.001205937	0.000981891	5.24762E-06	0.008246961	0.002518165	0.06504938	0.024145121	6.00109E-06	26.4461441	2.45227E-05	0.000446199	0.000298688
2101 Apr	127.6928177	0.093283124	0.055995859	0.0019638	18.62131119	0.041982342	41.60102463	0.001211648	0.00098677	5.27327E-06	0.008284857	0.002530968	0.065299399	0.024324197	6.02954E-06	26.61526108	2.46384E-05	0.000448719	0.000301277
2101 May	135.0026703	0.088989072	0.057925239	0.001908802	20.78333282	0.035558734	40.41590881	0.001199714	0.000986089	5.25212E-06	0.008047819	0.002660252	0.061540354	0.030927906	5.96992E-06	31.10451126	2.66496E-05	0.000504924	0.000437424

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2101 Jun	137.6824188	0.07244692	0.064270675	0.002075434	18.32037163	0.032864671	46.20641708	0.001229984	0.000969939	5.23844E-06	0.008300964	0.002723245	0.071838319	0.025770739	6.10764E-06	27.93676758	3.01816E-05	0.000502935	0.000359017
2101 Jul	131.4344788	0.066914916	0.06026274	0.002074484	17.46525192	0.034166578	43.16859436	0.001287543	0.001045181	5.58802E-06	0.008710232	0.002637761	0.068260148	0.024720589	6.39771E-06	26.68120193	3.06684E-05	0.000485158	0.000331111
2101 Aug	125.8791275	0.065879337	0.055876773	0.00203664	17.36163139	0.037167057	39.96825027	0.001317404	0.001095893	5.81043E-06	0.008717834	0.002562787	0.06397514	0.024652865	6.55046E-06	26.22775078	2.8733E-05	0.000466585	0.000316688
2101 Sep	89.40046692	0.076342568	0.032090019	0.001540269	15.01598644	0.040872809	23.42549324	0.001158444	0.001040726	5.37944E-06	0.008001804	0.001866378	0.039726637	0.0206527	5.77256E-06	21.03483963	1.99362E-05	0.000339546	0.000221221
2101 Oct	95.49924469	0.089348726	0.035275429	0.001583229	15.83398151	0.041650485	26.36806107	0.001147231	0.001012253	5.26255E-06	0.008250125	0.001960619	0.043408047	0.0212768	5.71281E-06	21.98204994	2.10436E-05	0.000352796	0.000232674
2101 Nov	103.4981995	0.099362753	0.039937489	0.001650581	16.6760807	0.041906945	30.33562851	0.001139443	0.000980612	5.13963E-06	0.008415795	0.00209107	0.04864211	0.021987885	5.66936E-06	23.12508583	2.23392E-05	0.000372763	0.000248506
2101 Dec	103.7757263	0.100595653	0.039997287	0.001651646	16.73670769	0.042045359	30.44448471	0.001139173	0.000979857	5.13655E-06	0.008447374	0.002094661	0.048755407	0.022033418	5.66794E-06	23.18289185	2.24079E-05	0.000373127	0.000248937
2102 Jan	103.9777832	0.100652903	0.040090632	0.001652758	16.77327728	0.042021886	30.49508667	0.001139479	0.00097991	5.1372E-06	0.008446354	0.002098334	0.048810292	0.022108376	5.66942E-06	23.24587631	2.24289E-05	0.000373999	0.000250386
2102 Feb	104.0856552	0.10071753	0.040110894	0.001652355	16.8098526	0.04199582	30.48378372	0.001139566	0.000980149	5.13816E-06	0.008444298	0.002100301	0.04877004	0.02219462	5.66988E-06	23.30797577	2.24331E-05	0.000374664	0.000251984
2102 Mar	104.1947632	0.100813232	0.04013833	0.001652983	16.83886719	0.042007167	30.4902916	0.001140265	0.00098087	5.14173E-06	0.008448187	0.002102408	0.048769247	0.022253616	5.67338E-06	23.35398102	2.24472E-05	0.000375212	0.000252977
2102 Apr	104.603714	0.101203255	0.040287495	0.001658839	16.91148949	0.042153306	30.59537697	0.001144456	0.000984544	5.16087E-06	0.008478501	0.002110606	0.048930895	0.022361446	5.69425E-06	23.45801353	2.25298E-05	0.000376773	0.000254387
2102 May	106.5013885	0.103007138	0.040995657	0.001688007	17.23164749	0.042884577	31.11364555	0.00116515	0.001002603	5.25509E-06	0.008630333	0.002148906	0.049752351	0.022811802	5.79726E-06	23.91021156	2.29399E-05	0.000383849	0.000259863
2102 Jun	126.5699539	0.071547896	0.057192814	0.001961474	16.73444557	0.033958815	42.47839737	0.001208376	0.000968911	5.19891E-06	0.008341046	0.002522575	0.066963769	0.022919761	5.99789E-06	25.28861046	2.88032E-05	0.000459996	0.000301015
2102 Jul	111.1901016	0.053329855	0.048890844	0.001847723	14.74454403	0.033332389	35.76271439	0.001221675	0.001020293	5.39826E-06	0.008106678	0.002300149	0.057620596	0.021150183	6.06829E-06	22.63919449	2.69931E-05	0.000410937	0.000265243
2102 Aug	95.49407959	0.051104553	0.038417358	0.001667109	14.03653336	0.037240732	28.00978279	0.001195366	0.00104356	5.4415E-06	0.007585121	0.002032669	0.046733722	0.020056697	5.94649E-06	20.82852745	2.14378E-05	0.000357749	0.000227307
2102 Sep	89.20819855	0.064032562	0.033061691	0.001554994	14.33040714	0.040122405	24.51052475	0.001158365	0.001030429	5.34049E-06	0.007570249	0.001892785	0.04158216	0.019807311	5.76566E-06	20.40856552	1.89927E-05	0.000335904	0.000210598
2102 Oct	117.5215988	0.095949411	0.048767392	0.001814326	17.47344971	0.041204114	37.52912521	0.001177268	0.000970189	5.15496E-06	0.008411378	0.002365774	0.059251152	0.022948766	5.84163E-06	24.86505699	2.43731E-05	0.000418587	0.000273914
2102 Nov	117.7013474	0.097344033	0.048690725	0.001816099	17.55489922	0.041465085	37.51411057	0.001180221	0.000973465	5.17084E-06	0.008468754	0.002368414	0.059213717	0.02303475	5.8564E-06	24.94252586	2.44646E-05	0.000419079	0.00027441
2102 Dec	117.5803375	0.097460814	0.04859088	0.001814886	17.55346298	0.041505814	37.44115448	0.001180514	0.000974247	5.17403E-06	0.008474939	0.002366233	0.059109479	0.0230333	5.85797E-06	24.93255043	2.44529E-05	0.000418704	0.000274161
2103 Jan	117.5493164	0.0975141	0.048547488	0.001813833	17.56424522	0.041503057	37.39793015	0.001180422	0.000974468	5.17467E-06	0.008474834	0.002365628	0.059036613	0.023063483	5.85758E-06	24.94875526	2.44446E-05	0.000418734	0.000274661
2103 Feb	117.6267776	0.097585723	0.048560988	0.001813952	17.58904457	0.041503251	37.39325333	0.001180806	0.000974938	5.1769E-06	0.00847647	0.002367097	0.059017956	0.023117516	5.85952E-06	24.98882294	2.44519E-05	0.000419173	0.0002756
2103 Mar	117.7585831	0.097699083	0.048605315	0.001815398	17.61596298	0.041534945	37.41916275	0.001181914	0.000975937	5.18205E-06	0.008483813	0.002369701	0.059052698	0.023164596	5.86503E-06	25.02970695	2.44745E-05	0.000419732	0.000276322
2103 Apr	118.3831406	0.098219551	0.048857324	0.00182469	17.71352386	0.041746754	37.60846329	0.00118806	0.00098106	5.20917E-06	0.008527575	0.002382241	0.059347913	0.023299586	5.89554E-06	25.16983795	2.46016E-05	0.00042201	0.000278025
2103 May	128.2005615	0.093091734	0.053101111	0.001847547	19.58176422	0.037506849	38.97256851	0.001199078	0.000986975	5.24578E-06	0.008325059	0.002560545	0.060076751	0.028334463	5.94954E-06	28.98327446	2.63085E-05	0.000476587	0.000381883
2103 Jun	136.7264099	0.069849551	0.06253425	0.002039765	17.75614929	0.03265065	46.74542236	0.001232387	0.000960302	5.19655E-06	0.008290878	0.002739357	0.072959103	0.024980618	6.0943E-06	27.3850975	3.02716E-05	0.000503528	0.000344258
2103 Jul	114.6428909	0.055095352	0.050485212	0.001867378	15.14927769	0.033795934	37.54640961	0.001226183	0.001008555	5.3579E-06	0.008040162	0.002389798	0.060143229	0.021717044	6.07382E-06	23.30043221	2.69322E-05	0.000424234	0.000274757
2103 Aug	98.31864929	0.051275879	0.040338621	0.001679498	14.48335743	0.040110778	30.45131302	0.001177633	0.001006072	5.27813E-06	0.006899212	0.002158263	0.04927798	0.020715671	5.84104E-06	21.37552261	1.82213E-05	0.000349143	0.000234821
2103 Sep	117.5204391	0.082639858	0.049425747	0.001831983	17.06397247	0.041087624	38.25033188	0.001196258	0.00097747	5.20264E-06	0.00795736	0.002431407	0.060535554	0.022909952	5.91965E-06	24.71299362	2.31081E-05	0.000419893	0.000274346
2103 Oct	134.9061737	0.099691786	0.058819436	0.001996158	18.86625099	0.041062526	46.06950378	0.001223724	0.00095471	5.15973E-06	0.008610677	0.002720519	0.071708165	0.024681753	6.03938E-06	27.3998394	2.71925E-05	0.000479842	0.000310859
2103 Nov	135.481781	0.100132093	0.059125055	0.002002406	18.91877556	0.041116569	46.3586235	0.001226031	0.000954584	5.16207E-06	0.008632176	0.002733309	0.072149053	0.024727846	6.04885E-06	27.48024368	2.73145E-05	0.000482123	0.000311586
2103 Dec	135.2844543	0.100219712	0.058985081	0.002000252	18.90947914	0.041148666	46.25284195	0.001225921	0.000955184	5.16405E-06	0.008635957	0.002729587	0.071995854	0.024716279	6.04851E-06	27.45742607	2.72894E-05	0.000481479	0.000311169
2104 Jan	135.2316132	0.100261599	0.058927588	0.001998763	18.92038536	0.041138459	46.19455719	0.001225653	0.000955341	5.16423E-06	0.008634386	0.002728503	0.071898103	0.024750637	6.04729E-06	27.47423935	2.72754E-05	0.000481458	0.000311759
2104 Feb	135.2799988	0.100307889	0.058924709	0.001998181	18.94433594	0.041121595	46.17251587	0.001225658	0.00095555	5.16498E-06	0.008632896	0.002729346	0.071849249	0.024809215	6.04738E-06	27.51435852	2.72742E-05	0.000481835	0.00031283
2104 Mar	135.4311981	0.100432634	0.058975991	0.001999737	18.97534561	0.041153263	46.20210266	0.001226844	0.000956607	5.17045E-06	0.008640564	0.002732331	0.071887769	0.024864556	6.05327E-06	27.56199837	2.72993E-05	0.000482485	0.000313699
2104 Apr	136.5604401	0.10127715	0.059459548	0.00201603	19.13909149	0.041488368	46.57496643	0.00123697	0.000964577	5.21339E-06	0.008711497	0.002755076	0.072463691	0.025087399	6.10325E-06	27.80130768	2.75239E-05	0.000486571	0.000316607
2104 May	139.4386292	0.090624012	0.059205521	0.001921873	20.8624115	0.035035554	43.33687973	0.001218467	0.000970095	5.20538E-06	0.008214423	0.002808687	0.066011518	0.031202856	6.0151E-06	31.62583733	2.8141E-05	0.000530246	0.000442878
2104 Jun	134.2957153	0.06836208	0.061329141	0.002013394	17.49821281	0.032522764	46.05477905	0.001236906	0.000955517	5.17585E-06	0.008252597	0.002754302	0.072361723	0.024743788	6.08557E-06	27.00366783	3.00781E-05	0.000506325	0.000337534
2104 Jul	109.0704346	0.052126054	0.047076758	0.001804415	14.72706032	0.033731818	34.94491959	0.001226284	0.001016206	5.37804E-06	0.00795755	0.002334987	0.056539763	0.021556627	6.05641E-06	22.67785072	2.61375E-05	0.000414233	0.000268252
2104 Aug	93.68978119	0.0494285	0.037223909	0.001629788	13.92914963	0.037487447	27.61064529	0.001189559	0.001029407	5.37335E-06	0.007352259	0.002062129	0.046041261	0.020253088	5.89028E-06	20.73522568	2.04193E-05	0.00035624	0.000228663
2104 Sep	104.0233459	0.07509739	0.041481953	0.00167833	15.88570499	0.040611047	31.93113136	0.001169466	0.000983122	5.17829E-06	0.007667659	0.002203042	0.052146174	0.02148268	5.77862E-06	22.76929092	2.0735E-05	0.000389125	0.000243657
2104 Oct	128.6081085	0.09791816	0.055058159	0.001923522	18.38934708	0.041205529	43.2758522	0.001216637	0.000955831	5.14588E-06	0.008514243	0.002646791	0.067955442	0.024207167	5.98524E-06	26.57048416	2.61468E-05	0.000467692	0.000297923
2104 Nov	132.3951111	0.099423274	0.057265226	0.001965096	18.71881485	0.041230265	45.07209778	0.001226939	0.000953965	5.15336E-06	0.008590067	0.002719439	0.07054694	0.024593834	6.03161E-06	27.12957191	2.68413E-05	0.000480379	0.000305984
2104 Dec	132.2104645	0.099522971	0.057130393	0.001963132	18.71128273	0.041266296	44.96984863	0.001226921	0.000954666	5.15586E-06	0.008594759	0.002715841	0.070398502	0.024584323	6.03179E-06	27.10919952	2.68188E-05	0.000479756	0.000305596
2105 Jan	132.1350708	0.09955994	0.057063181	0.001961506	18.71781349	0.041257527	44.90624619	0.001226565	0.000954781	5.15577E-06	0.008593152	0.00271425	0.070294306	0.024609497	6.0302E-06	27.1184845	2.68023E-05	0.000479618	0.000306019
2105 Feb	132.1721802	0.099605583	0.057057463	0.001961014	18.73785782	0.041246228	44.88547516	0.0012266	0.000955011	5.15665E-06	0.008592385	0.002714864	0.070250206	0.024658144	6.03044E-06	27.15161896	2.68014E-05	0.000479914	0.000306897
2105 Mar	132.2282562	0.099657491	0.057069823	0.001961278	18.7538681	0.041251257	44.88632584	0.001226952	0.000955395	5.15852E-06	0.008594298	0.002715935	0.070245221	0.024691351	6.03221E-06	27.17704391	2.68081E-05	0.000480206	0.000307459
2105 Apr	132.832428	0.100118347	0.05732381	0.001969914	18.84416389	0.041432608	45.08101654	0.001232462	0.000959748	5.18191E-06	0.008632575	0.002728298	0.070546292	0.024817171	6.05933E-06	27.30916595	2.6928E-05	0.00048245	0.00030911
2105 May	138.2767487	0.089491852	0.05857639	0.001902002	20.79129982	0.034764349	42.95211411	0.00121879	0.000964235	5.17792E-06	0.00814852	0.00282445	0.065624043	0.031283729	5.9961E-06	31.56191444	2.79568E-05	0.000534188	0.000443445
2105 Jun	133.3663177	0.07196521	0.058080904	0.001916889	18.85729408	0.031628218	42.51707077	0.001232038	0.000973601	5.22854E-06	0.008155053	0.002750694	0.066130802	0.028506136	6.05704E-06	29.25080681	2.94168E-05	0.000521902	0.000402845
2105 Jul	109.9528809	0.056145348	0.045482341	0.001734023	16.06911087	0.03377378	33.09717941	0.001211918	0.001014792	5.34891E-06	0.007673641	0.002368928	0.052641824	0.024843851	5.98074E-06	24.78690529	2.47036E-05	0.000426085	0.000325079
2105 Aug	112.5609283	0.063144282	0.047488548	0.001776009	16.27293205	0.03929482	36.42678452	0.001194219	0.000973105	5.17319E-06	0.007227629	0.002418554	0.058503278	0.022733465	5.88098E-06	24.0952301	2.09554E-05	0.000419233	0.000274547
2105 Sep	129.1364746	0.095074594	0.055045165	0.001921086	18.38927841	0.041369926	43.70478821	0.001223393	0.000955208	5.14775E-06	0.008386011	0.00267955	0.068799593	0.024283798	6.00507E-06	26.69227982	2.56977E-05	0.000473659	0.000298377
2105 Oct	136.1221466	0.098618798	0.059046876	0.001991184	18.90284538	0.041040886	47.21124649	0.001237449	0.000944609	5.12747E-06	0.008563511	0.002814837	0.073734701	0.024892624	6.06258E-06	27.63547897	2.73093E-05	0.000496472	0.00031263
2105 Nov	135.7434692	0.099089883	0.058717705	0.001985165	18.87066269	0.041104	47.05858994	0.001236484	0.000944354	5.12462E-06	0.008578932	0.002808378	0.073501907	0.024836222	6.05695E-06	27.57184601	2.7293E-05	0.00049513	0.000311194
2105 Dec	135.4906769	0.099165529	0.058549162	0.001982338	18.85585022	0.041129515	46.92770004	0.001236027	0.000944818	5.12567E-06	0.008581171	0.002803337	0.07330998	0.024816992	6.05506E-06	27.53952217	2.72585E-05	0.000494255	0.000310656
2106 Jan	135.4359741	0.099207468	0.058491368	0.001980829	18.86686516	0.041118052	46.86725998	0.001235716	0.000944972	5.12579E-06	0.00857946	0.002802101	0.073208146	0.024851697	6.0537E-06	27.55636787	2.7244E-05	0.000494212	0.000311261
2106 Feb	135.4780121	0.099244863	0.058487054	0.001980137	18.88976479	0.04109687	46.84302139	0.001235613	0.000945099	5.12611E-06	0.008577195	0.002802753	0.073155232	0.02490906	6.05328E-06	27.59511185	2.72412E-05	0.000494557	0.000312328
2106 Mar	135.5565643	0.099315301	0.058506612	0.001980604	18.91075325	0.041105852	46.84745026	0.001236131	0.000945636	5.12877E-06	0.008580136	0.002804266	0.073154382	0.024951572	6.05588E-06	27.62827301	2.72514E-05	0.000494949	0.00031304
2106 Apr	136.3713226	0.099920079	0.058849938	0.00199212	19.03019905	0.04134459	47.11592865	0.00124345	0.000951318	5.15944E-06	0.008630575	0.002821056	0.073569201	0.025117669	6.09177E-06	27.80419731	2.74121E-05	0.000497985	0.000315225
2106 May	136.7593842	0.095859058	0.057692897	0.001934309	19.98083305	0.038501084	44.54590225	0.001239353	0.000967672	5.21279E-06	0.008464384	0.002821653	0.068898328	0.028412253	6.07974E-06	29.78303909	2.76594E-05	0.000516457	0.000380413
2106 Jun	126.0040283	0.062851563	0.055848476	0.001907359	16.43195343	0.031664122	42.81947327	0.001228564	0.000955252	5.14916E-06	0.008181037	0.002650236	0.068056561	0.023634387	6.01588E-06	25.58699608	2.94371E-05	0.000489636	0.000315279
2106 Jul	96.04603577	0.043654334	0.039366011	0.001665575	13.07042599	0.03257481	29.59542656	0.001208976	0.001024014	5.37186E-06	0.007865183	0.002128795	0.049242519	0.019623457	5.95716E-06	20.31318855	2.50878E-05	0.000378722	0.00023129
2106 Aug	95.79282379	0.052262846	0.038104814	0.001616866	14.23466969	0.039174855	29.60266113	0.001169632	0.000987071	5.18321E-06	0.00695529	0.002144871	0.048914056	0.020199556	5.7597E-06	20.99578094	1.84829E-05	0.000361912	0.000224018
2106 Sep	124.7139893	0.086606003	0.052534886	0.001870002	17.76769257	0.04137025	42.24740601	0.001220137	0.000952452	5.1247E-06	0.008028942	0.002640455	0.067219786	0.023551207	5.96926E-06	25.89090347	2.4043E-05	0.000465967	0.000283264
2106 Oct	130.3122864	0.096578963	0.055110063	0.00192022	18.38835526	0.041520882	44.72002029	0.001233366	0.000949328	5.1308E-06	0.008473131	0.002739598	0.070408866	0.024283554	6.02683E-06	26.79483223	2.61688E-05	0.000482846	0.000296777
2106 Nov	130.4943237	0.09702757	0.055124328	0.001923644	18.43482208	0.041678924	44.73898315	0.001236827	0.000952789	5.14809E-06	0.008504995	0.002743459	0.070448294	0.024344502	6.04413E-06	26.85116005	2.62287E-05	0.000483537	0.000297241
2106 Dec	130.3711853	0.097107597	0.055034142	0.001922398	18.43074417	0.041705642	44.66827774	0.001236848	0.000953334	5.15011E-06	0.008508875	0.002740953	0.070345148	0.024339192	6.04449E-06	26.83823204	2.62148E-05	0.000483106	0.000296992
2107 Jan	130.3273926	0.097143076	0.054991927	0.001921402	18.43688774	0.041701425	44.62582016	0.001236658	0.000953476	5.15037E-06	0.00850836	0.002739949	0.070274897	0.024358986	6.0437E-06	26.8468399	2.62053E-05	0.000483032	0.000297323
2107 Feb	130.3841553	0.097198814	0.055001266	0.001921502	18.45551491	0.041702494	44.62113953	0.001236956	0.000953856	5.15216E-06	0.008509768	0.002740991	0.070259161	0.024399383	6.04523E-06	26.87671089	2.62109E-05	0.00048335	0.000298022
2107 Mar	130.5546265	0.097333208	0.0550652	0.001923612	18.48542404	0.041747689	44.66631699	0.001238441	0.000955083	5.15865E-06	0.00851964	0.002744492	0.07032574	0.024447538	6.05253E-06	26.92176819	2.62419E-05	0.000484041	0.000298723
2107 Apr	130.9459686	0.097629145	0.055225708	0.001929149	18.54413223	0.041867502	44.79269791	0.001242078	0.000957935	5.17397E-06	0.008544462	0.002752671	0.070522107	0.024530092	6.07033E-06	27.0081234	2.63188E-05	0.000485526	0.000299796
2107 May	135.8406982	0.092863038	0.057100307	0.001919083	19.69944191	0.03847238	44.72282791	0.001241669	0.000960284	5.18151E-06	0.008346741	0.002841292	0.069474302	0.028016351	6.06895E-06	29.46811867	2.72669E-05	0.000518541	0.000372406
2107 Jun	122.177269	0.063753903	0.051321834	0.001791141	17.19478989	0.030426737	38.44447327	0.00121435	0.000971117	5.18266E-06	0.008054997	0.002580693	0.060757313	0.026382571	5.94829E-06	26.94721031	2.8596E-05	0.000491755	0.000363577
2107 Jul	97.6389389	0.046941485	0.03885952	0.001609333	14.16240788	0.033469148	29.21365166	0.001180192	0.000998905	5.23816E-06	0.007348216	0.002182034	0.047395334	0.022058198	5.80852E-06	21.95307732	2.26731E-05	0.000382105	0.000273133
2107 Aug	91.44859314	0.045552835	0.034799114	0.001576115	13.89059258	0.037485875	26.38251305	0.001196572	0.001036087	5.39605E-06	0.007142652	0.002094344	0.043532919	0.021361446	5.90083E-06	21.05742836	1.95405E-05	0.000351483	0.000246374
2107 Sep	86.59893799	0.066726886	0.030051675	0.001484778	14.27958488	0.040206265	23.47020149	0.00116144	0.001024561	5.30664E-06	0.007597769	0.001942133	0.039262664	0.020766813	5.73711E-06	20.58817291	1.89487E-05	0.000332725	0.000223857
2107 Oct	105.4950485	0.087777548	0.040076312	0.001649183	16.23812294	0.041222084	32.61739349	0.001178685	0.000978801	5.16224E-06	0.008171734	0.002268727	0.052489866	0.022216627	5.79108E-06	23.30705261	2.24336E-05	0.000396458	0.000252215
2107 Nov	114.3007431	0.094120041	0.044935074	0.001734017	17.06459045	0.041510586	36.88363647	0.001194257	0.000964718	5.13156E-06	0.00837198	0.002430194	0.058711186	0.022955567	5.85385E-06	24.57494736	2.39599E-05	0.000426669	0.000267223
2107 Dec	114.1481781	0.094218731	0.04482707	0.00173242	17.05892563	0.041539408	36.79827881	0.001194148	0.000965242	5.13333E-06	0.008375959	0.002427027	0.058586363	0.022947032	5.85363E-06	24.55780602	2.39416E-05	0.000426129	0.0002669
2108 Jan	114.1197968	0.094277829	0.044787318	0.001731431	17.07067299	0.04153588	36.75388336	0.001194014	0.000965471	5.13399E-06	0.008375884	0.00242627	0.058510672	0.022978222	5.85315E-06	24.57490349	2.39334E-05	0.000426143	0.000267428
2108 Feb	114.1633377	0.094321944	0.044787798	0.001731001	17.09098434	0.041521907	36.73674774	0.001194002	0.000965638	5.13458E-06	0.00837478	0.002426952	0.05847146	0.023026889	5.85318E-06	24.60855865	2.39331E-05	0.000426453	0.000268321
2108 Mar	114.3417816	0.094473802	0.044848766	0.001733114	17.12520218	0.041570589	36.77722549	0.001195615	0.000967037	5.14186E-06	0.008385532	0.002430612	0.058529384	0.023084581	5.86113E-06	24.66022682	2.39654E-05	0.000427201	0.000269171
2108 Apr	115.716568	0.095629357	0.045347918	0.00175132	17.36440659	0.041998439	37.14421082	0.001208863	0.000978177	5.20039E-06	0.008475978	0.002459248	0.059084587	0.023458444	5.9263E-06	25.01532745	2.42309E-05	0.000432695	0.000274318

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2108 May	118.2831421	0.097488984	0.045574669	0.001750719	18.32737732	0.041667521	36.50831985	0.001225004	0.001001433	5.30712E-06	0.008548908	0.002504981	0.057669133	0.025729652	6.01065E-06	26.62613487	2.46249E-05	0.000449814	0.00031452
2108 Jun	119.1109161	0.058171295	0.051096432	0.001820836	15.36667156	0.031104391	40.26244736	0.001215826	0.000956017	5.12804E-06	0.008135652	0.002529609	0.064549223	0.022269519	5.94698E-06	24.15191841	2.88558E-05	0.000467262	0.00028997
2108 Jul	108.3029861	0.049894143	0.044902693	0.001772385	14.09540844	0.031845368	34.9920311	0.001252185	0.001028408	5.44161E-06	0.008391591	0.002344031	0.057522886	0.020825583	6.14688E-06	22.22573853	2.85158E-05	0.00043128	0.000256308
2108 Aug	102.4217148	0.050251063	0.040350977	0.00173485	14.20402241	0.035683651	31.30456734	0.001279601	0.001083766	5.68099E-06	0.008342468	0.002249611	0.052475531	0.020929649	6.29821E-06	21.89513588	2.58741E-05	0.00040876	0.000242682
2108 Sep	90.44554901	0.060606074	0.032258917	0.001568913	13.93833923	0.038336407	25.21199989	0.001219087	0.001068571	5.54434E-06	0.008165412	0.001990212	0.043279577	0.020029807	6.01871E-06	20.52959251	2.23449E-05	0.000361605	0.000214649
2108 Oct	99.36654663	0.093738981	0.035485659	0.001560298	15.7706995	0.041277397	29.61101913	0.00115125	0.000974403	5.1085E-06	0.008381537	0.002112404	0.048145302	0.021240646	5.66603E-06	22.29599762	2.22865E-05	0.000375398	0.000231857
2108 Nov	102.3338699	0.097457148	0.036904488	0.001584488	16.14709663	0.041754335	30.97330093	0.001155088	0.000969317	5.09498E-06	0.008454468	0.002166945	0.050010793	0.021617789	5.68075E-06	22.80928993	2.26238E-05	0.000384121	0.000238036
2108 Dec	102.2295456	0.097561501	0.036824044	0.001583539	16.14639473	0.041788839	30.90879822	0.001155261	0.000969976	5.09763E-06	0.008459503	0.002164826	0.049917333	0.021616196	5.68186E-06	22.80043983	2.26126E-05	0.000383756	0.000237829
2109 Jan	102.2136688	0.097609162	0.036794703	0.001582689	16.15856361	0.04178232	30.87183952	0.001155117	0.000970137	5.09802E-06	0.008458769	0.00216435	0.049852334	0.021648102	5.6813E-06	22.81887245	2.26051E-05	0.000383812	0.000238387
2109 Feb	102.2805634	0.0976642	0.03680655	0.0015826	16.18173409	0.041774135	30.86371613	0.001155299	0.000970436	5.09936E-06	0.008458801	0.002165535	0.049827091	0.021700552	5.68227E-06	22.85689545	2.2609E-05	0.000384208	0.000239331
2109 Mar	102.4607315	0.097831413	0.036864728	0.001584776	16.21709442	0.041828383	30.90266228	0.001157021	0.000971962	5.10726E-06	0.008470705	0.002169224	0.049883362	0.021759618	5.69078E-06	22.909729	2.26429E-05	0.000384963	0.000240181
2109 Apr	103.2717972	0.098601095	0.037149992	0.001596718	16.35220909	0.042140462	31.1321106	0.001165872	0.000979476	5.14661E-06	0.008534811	0.002186272	0.050247248	0.021952359	5.73435E-06	23.10343933	2.28164E-05	0.000388088	0.000242504
2109 May	122.7796478	0.091824785	0.047313377	0.001727305	18.84997177	0.037648726	37.46049881	0.001204142	0.000976768	5.18767E-06	0.008316381	0.00256525	0.058328077	0.027765797	5.90538E-06	28.20762062	2.57681E-05	0.000476391	0.000364741
2109 Jun	125.3149948	0.068431757	0.049725559	0.001738897	18.58936882	0.030214109	37.22095108	0.001219551	0.000992356	5.26502E-06	0.008069371	0.002618275	0.057827462	0.029786693	5.9826E-06	29.36345863	2.84904E-05	0.000509738	0.000423442
2109 Jul	103.9918442	0.051735844	0.040269475	0.001623107	15.27996159	0.033730462	30.92158508	0.00119347	0.001005061	5.27663E-06	0.007425047	0.002288758	0.049268067	0.024195673	5.87144E-06	23.87874603	2.32041E-05	0.000406154	0.000311289
2109 Aug	95.57790375	0.0461706	0.036370873	0.001605453	14.14666557	0.039622985	29.16558266	0.001201481	0.00102385	5.35604E-06	0.006887785	0.002199892	0.047032673	0.02158412	5.91661E-06	21.52495575	1.826E-05	0.000350399	0.000247395
2109 Sep	107.4473801	0.072700888	0.041029029	0.001671266	15.86482143	0.040950336	34.15643692	0.001197209	0.000987908	5.21839E-06	0.007664703	0.002340959	0.054654066	0.022355702	5.87949E-06	23.44710732	2.11807E-05	0.000397576	0.000258293
2109 Oct	132.5184326	0.097338893	0.053321868	0.001883018	18.30057716	0.041299853	45.82997131	0.001238449	0.00095083	5.1367E-06	0.008607315	0.002764596	0.07156264	0.024540456	6.04612E-06	27.18178558	2.68726E-05	0.000485883	0.000302445
2109 Nov	131.2437439	0.098352388	0.052401047	0.001870084	18.26193428	0.041586448	45.10522461	0.00123822	0.000955913	5.15496E-06	0.008650568	0.002738368	0.070509948	0.02447328	6.04753E-06	27.04268265	2.67343E-05	0.000481442	0.000299616
2109 Dec	131.1070557	0.098464087	0.052302055	0.001868922	18.2599144	0.041626271	45.02243042	0.001238425	0.000956729	5.15823E-06	0.008656369	0.002735643	0.07039094	0.024469934	6.04887E-06	27.03002739	2.67198E-05	0.000480977	0.000299343
2110 Jan	131.0757294	0.098525345	0.052262865	0.001868099	18.27139282	0.041628867	44.97694016	0.001238416	0.000957084	5.15952E-06	0.008657128	0.002734906	0.070315659	0.024499387	6.04901E-06	27.04575539	2.67122E-05	0.000480979	0.000299815
2110 Feb	131.1361694	0.098586902	0.052271344	0.001868092	18.29338455	0.041626852	44.9672699	0.00123869	0.000957482	5.16135E-06	0.008658139	0.002735995	0.070290156	0.024548139	6.05044E-06	27.08104324	2.67168E-05	0.000481341	0.000300669
2110 Mar	131.286499	0.098708734	0.052322723	0.001869759	18.32177353	0.041662972	45.00219345	0.001239947	0.000958556	5.16696E-06	0.008666436	0.002739038	0.070339054	0.024596758	6.05663E-06	27.12456322	2.67432E-05	0.00048197	0.000301405
2110 Apr	131.9000092	0.099175066	0.052562352	0.001878226	18.41164017	0.041851033	45.20297623	0.001245648	0.000963022	5.19093E-06	0.008706002	0.002751784	0.070649631	0.024723422	6.08451E-06	27.25845909	2.68657E-05	0.000484266	0.000303037
2110 May	134.6081543	0.09715689	0.05337014	0.001876923	19.1294117	0.04040537	44.97732162	0.001253327	0.000974176	5.242E-06	0.008654332	0.002800692	0.069848306	0.026758378	6.12487E-06	28.69717026	2.73877E-05	0.000502609	0.000343333
2110 Jun	126.1126862	0.060410459	0.051990449	0.001834	15.95303822	0.0316239	43.29373169	0.001235579	0.000959577	5.16311E-06	0.008235808	0.002651112	0.068534195	0.023407103	6.03485E-06	25.53079605	2.95708E-05	0.000487515	0.000310539
2110 Jul	102.7700653	0.04610673	0.040161811	0.001660686	13.4848156	0.032686081	33.0135231	0.001213429	0.001006182	5.3049E-06	0.007875926	0.002250069	0.053830341	0.020365993	5.95853E-06	21.44990921	2.56513E-05	0.000399039	0.000246323
2110 Aug	114.1068954	0.065699391	0.044067651	0.001715054	16.22635841	0.041670281	37.88121796	0.001209766	0.000971049	5.1697E-06	0.007239007	0.002468054	0.061300352	0.022189787	5.91839E-06	24.21059227	1.99201E-05	0.000429256	0.000255525
2110 Sep	129.210144	0.088515446	0.050866611	0.00183542	17.75543594	0.041599996	44.79402161	0.001238904	0.000951675	5.13557E-06	0.008236376	0.002737543	0.070658475	0.023898849	6.03304E-06	26.56098938	2.50989E-05	0.000479836	0.00028879
2110 Oct	134.5027313	0.0973804	0.053169679	0.00187767	18.2431488	0.041633077	47.36568069	0.001251443	0.000944436	5.12411E-06	0.008640468	0.002842891	0.074090496	0.024664022	6.07975E-06	27.33158493	2.71401E-05	0.00049698	0.000299481
2110 Nov	135.0557556	0.097273409	0.053485781	0.001882714	18.2634182	0.041606292	47.69607544	0.001252821	0.00094285	5.11979E-06	0.008637428	0.002856654	0.074596025	0.024482016	6.08386E-06	27.38908768	2.72155E-05	0.000499183	0.000300056
2110 Dec	134.8783112	0.097376078	0.053369116	0.001881113	18.25788689	0.041640714	47.59444427	0.001252775	0.000943563	5.12236E-06	0.008641989	0.002853005	0.074448153	0.024473842	6.08407E-06	27.3698616	2.7194E-05	0.000498563	0.000299708
2111 Jan	134.877655	0.097421095	0.053348601	0.001880386	18.27362061	0.041630898	47.55899429	0.001252677	0.00094377	5.123-06	0.008641058	0.002852808	0.074383803	0.024513703	6.08375E-06	27.39433861	2.71882E-05	0.0004987	0.000300419
2111 Feb	134.9270477	0.097459339	0.053352728	0.00187989	18.29691505	0.041610591	47.53887939	0.001252607	0.000943907	5.12341E-06	0.008638992	0.002853576	0.074337542	0.024570368	6.08352E-06	27.43321991	2.71869E-05	0.00049906	0.000301476
2111 Mar	135.2324219	0.09768898	0.053463481	0.001883524	18.34805679	0.041688222	47.62454987	0.001255204	0.000945994	5.13451E-06	0.008656205	0.002859884	0.07446374	0.024652962	6.09621E-06	27.5117054	2.72427E-05	0.000500288	0.00030268
2111 Apr	136.3928986	0.098535426	0.053915933	0.001899343	18.51133537	0.042037591	48.02013016	0.00126586	0.000954109	5.17841E-06	0.008729347	0.00288434	0.075077929	0.024880324	6.14801E-06	27.75742722	2.74734E-05	0.000504638	0.000305577
2111 May	139.9497223	0.094645545	0.055073049	0.001889535	19.57301712	0.039460022	47.38065338	0.001271761	0.000966449	5.23138E-06	0.008592138	0.002950473	0.073396668	0.028024849	6.18009E-06	29.91383743	2.81593E-05	0.000532061	0.000368815
2111 Jun	127.1227036	0.062283814	0.051531438	0.001808054	16.56529808	0.031607095	42.99537659	0.00124413	0.00095891	5.16571E-06	0.008186129	0.002725255	0.068066895	0.024923312	6.04662E-06	26.55054474	2.93901E-05	0.000504951	0.000335103
2111 Jul	111.3117142	0.052054845	0.043301262	0.001721131	14.81760406	0.032270789	35.53033829	0.001261973	0.001028963	5.44746E-06	0.008310954	0.002438465	0.057785336	0.022772832	6.16571E-06	23.72793388	2.81058E-05	0.000448636	0.000288409
2111 Aug	104.9807281	0.057236858	0.039601285	0.001629009	14.98900509	0.039739493	34.07925034	0.001195379	0.000974248	5.15851E-06	0.007123797	0.002343085	0.055645775	0.021287125	5.84028E-06	22.63972664	1.96479E-05	0.000401837	0.000242064
2111 Sep	119.549614	0.077984594	0.045748226	0.001742803	16.88712311	0.042011566	40.3991394	0.001226739	0.000962206	5.15436E-06	0.007759471	0.002591218	0.065016977	0.022876555	5.96962E-06	25.15026474	2.21723E-05	0.000455075	0.000265482
2111 Oct	137.5497131	0.093595244	0.054650091	0.00189752	18.30808258	0.041364029	49.24428558	0.001264189	0.00093643	5.10686E-06	0.008505337	0.00293973	0.077159382	0.024687687	6.11695E-06	27.73145103	2.71994E-05	0.00051349	0.000304696
2111 Nov	136.4731445	0.096457481	0.053707205	0.00188158	18.28044701	0.041564032	48.66101074	0.001260826	0.000937444	5.10572E-06	0.008613389	0.002914638	0.076195404	0.024614379	6.10176E-06	27.59785843	2.73493E-05	0.000508795	0.000302068
2111 Dec	135.9580231	0.096658334	0.053392466	0.001876579	18.25590897	0.041622091	48.38355255	0.001259904	0.000938599	5.1088E-06	0.008619563	0.002903823	0.075787075	0.024578726	6.09842E-06	27.53373528	2.72816E-05	0.000506946	0.000301032
2112 Jan	135.9503784	0.096710242	0.053365689	0.001875659	18.27374649	0.041609552	48.33873367	0.00125974	0.000938825	5.10942E-06	0.008618286	0.002903407	0.075706422	0.024624512	6.09784E-06	27.56123924	2.72737E-05	0.000507075	0.000301852
2112 Feb	136.0558014	0.096777067	0.053391859	0.001875681	18.30668449	0.041594993	48.33355331	0.00126	0.000939207	5.11117E-06	0.008617976	0.002905291	0.075680077	0.024698803	6.09922E-06	27.61587524	2.72809E-05	0.000507671	0.000303206
2112 Mar	136.4135132	0.097046003	0.053520236	0.001879909	18.3665638	0.041686252	48.43413925	0.001263056	0.000941651	5.12418E-06	0.008638147	0.002912734	0.075828567	0.024795761	6.11411E-06	27.70796585	2.73462E-05	0.000509119	0.000304616
2112 Apr	137.4250946	0.097775638	0.053910013	0.001893462	18.50951385	0.041985925	48.77809906	0.00127229	0.000948636	5.16202E-06	0.008700934	0.002934224	0.076362088	0.024997823	6.15888E-06	27.92451859	2.75455E-05	0.000512958	0.00030722
2112 May	140.383255	0.092282586	0.054518048	0.001858333	19.71543503	0.038376655	47.21487427	0.001268512	0.00095927	5.19608E-06	0.008468229	0.002980786	0.073025413	0.028857268	6.14822E-06	30.44402695	2.81521E-05	0.0005418	0.000386037
2112 Jun	135.8321381	0.063972808	0.056136832	0.00189607	16.59393883	0.032965139	49.26753616	0.001270172	0.000929215	5.08302E-06	0.008224932	0.002949055	0.077891767	0.024023985	6.1241E-06	26.80389404	3.02244E-05	0.000532357	0.000317986
2112 Jul	117.4034271	0.052755885	0.046966165	0.001778037	14.76856327	0.034475856	40.86736298	0.001265075	0.00098293	5.27527E-06	0.007992215	0.002631533	0.065830424	0.021816956	6.13377E-06	23.68231392	2.70345E-05	0.000460292	0.000268569
2112 Aug	104.2921219	0.052099552	0.039045736	0.001659298	14.37432766	0.037948955	33.71217728	0.001247588	0.001021084	5.39491E-06	0.007679178	0.002364357	0.055721708	0.021004377	6.08406E-06	22.23899651	2.26577E-05	0.00041159	0.000238748
2112 Sep	96.05217743	0.065139316	0.033331417	0.001534128	14.57148647	0.040586356	29.14468575	0.001190478	0.001001018	5.24712E-06	0.007572071	0.00215495	0.048877567	0.020462284	5.82336E-06	21.48511887	1.96982E-05	0.000378913	0.000218351
2112 Oct	106.7179947	0.083031394	0.037960302	0.001602114	15.83750153	0.041350883	34.14222717	0.00119578	0.000971149	5.14258E-06	0.008077714	0.002347146	0.055523101	0.021753443	5.82596E-06	23.26020622	2.21959E-05	0.000412128	0.000241571
2112 Nov	109.3780518	0.085991152	0.039168768	0.001624153	16.12455368	0.04156816	35.36991501	0.001202177	0.000968793	5.14196E-06	0.008182837	0.00239848	0.057237145	0.022079237	5.85204E-06	23.70016861	2.27525E-05	0.000420995	0.000247276
2112 Dec	109.2982788	0.086126074	0.039103888	0.001623628	16.12773514	0.041607745	35.31303406	0.001202498	0.000969582	5.14531E-06	0.00818965	0.002396703	0.057154201	0.022081953	5.85396E-06	23.69608307	2.27478E-05	0.000420697	0.000247135
2113 Jan	109.2725754	0.086181097	0.039074853	0.001622814	16.13781166	0.041601628	35.2746048	0.001202285	0.000969701	5.14548E-06	0.008189242	0.002395922	0.057087436	0.022108052	5.85312E-06	23.71005821	2.27408E-05	0.000420684	0.000247593
2113 Feb	109.3335953	0.086240329	0.039086506	0.001622832	16.15873528	0.041597698	35.26780319	0.0012025	0.000970025	5.14696E-06	0.008189996	0.002396978	0.057066053	0.022154119	5.85427E-06	23.74370003	2.27457E-05	0.000421032	0.000248411
2113 Mar	109.7739639	0.086593762	0.039238382	0.001628883	16.23032761	0.041750398	35.39537048	0.001207093	0.000973813	5.16693E-06	0.008220896	0.002406479	0.05726679	0.02226178	5.87669E-06	23.85048294	2.2833E-05	0.000422789	0.000249783
2113 Apr	110.5814667	0.087234229	0.039523832	0.001640586	16.35345078	0.042049002	35.64743423	0.00121583	0.000980908	5.2045E-06	0.008280173	0.002424092	0.057671353	0.022436105	5.91926E-06	24.03232002	2.29986E-05	0.000425935	0.000251833
2113 May	121.5423737	0.0846029	0.04404594	0.001660064	18.40325165	0.037610814	37.43206024	0.001222507	0.000979642	5.20828E-06	0.008128088	0.002620239	0.058812939	0.027786242	5.94863E-06	28.14288902	2.50402E-05	0.00048464	0.000362137
2113 Jun	134.3666687	0.063746043	0.053428572	0.001839204	16.89772606	0.032266609	47.11188889	0.001269698	0.00094908	5.15413E-06	0.008257465	0.002899325	0.074227117	0.025366858	6.13474E-06	27.51119995	3.01803E-05	0.000531528	0.000342163
2113 Jul	106.072052	0.04725128	0.039705157	0.001638139	14.10845184	0.034367744	34.54078674	0.001230555	0.001000856	5.29704E-06	0.007645209	0.002396594	0.055784754	0.021865195	5.99943E-06	22.6628418	2.44054E-05	0.000414894	0.000267084
2113 Aug	89.62313843	0.042580005	0.030923376	0.001503447	13.14069939	0.038132541	26.68252945	0.001200631	0.001029861	5.36692E-06	0.007084255	0.002095547	0.044355575	0.020315509	5.88904E-06	20.34451294	1.8903E-05	0.00034592	0.000224124
2113 Sep	104.5799561	0.071297511	0.036673512	0.001579129	15.25637531	0.040597863	33.3982811	0.00119666	0.000979978	5.17583E-06	0.007705864	0.002321315	0.05419961	0.021638872	5.83847E-06	22.88441086	2.11002E-05	0.000399824	0.000242851
2113 Oct	136.9820557	0.094976045	0.051900912	0.001836372	18.07699394	0.041170478	49.16879654	0.001260302	0.00090358	5.07231E-06	0.008581936	0.002935426	0.076852575	0.024678936	6.08202E-06	27.71541786	2.74002E-05	0.000512222	0.000303859
2113 Nov	132.4229431	0.097172104	0.049154148	0.001791304	17.85969353	0.041662689	46.73952103	0.001249675	0.000938493	5.08808E-06	0.008637892	0.002836821	0.07325577	0.024323463	6.04099E-06	27.12692642	2.68094E-05	0.000495392	0.000294173
2113 Dec	132.1626282	0.097316429	0.048995063	0.001789162	17.85187721	0.041710068	46.59008789	0.001249532	0.000939498	5.09164E-06	0.008644007	0.002831314	0.073037609	0.024310552	6.04104E-06	27.09788132	2.67775E-05	0.000494458	0.000293668
2114 Jan	132.1484528	0.097369626	0.048969142	0.001788393	17.86738205	0.041702919	46.54658508	0.001249424	0.000939766	5.09251E-06	0.008643423	0.002830789	0.072961442	0.02434947	6.04075E-06	27.12063026	2.67701E-05	0.000494538	0.000294349
2114 Feb	132.1867523	0.097414173	0.048968498	0.001787852	17.89047241	0.041684616	46.51989365	0.001249342	0.000939949	5.09308E-06	0.008641607	0.002831295	0.072905526	0.024405459	6.04052E-06	27.15815353	2.67674E-05	0.000494854	0.000295384
2114 Mar	132.4627838	0.097630441	0.049061932	0.001791023	17.93793488	0.041756596	46.59441757	0.001251737	0.000941897	5.10339E-06	0.008657567	0.002837037	0.073014811	0.024483554	6.05219E-06	27.23134995	2.68179E-05	0.000495982	0.00029652
2114 Apr	133.1520844	0.098145857	0.049312182	0.001800021	18.03706932	0.041965254	46.82391739	0.001258127	0.00094679	5.12976E-06	0.008701424	0.002851702	0.073370144	0.02462651	6.08314E-06	27.38250351	2.69543E-05	0.000498618	0.00029836
2114 May	142.7771759	0.089919567	0.05366924	0.001820358	19.65168381	0.037366789	48.55813217	0.001265903	0.000944797	5.13185E-06	0.008385919	0.003035627	0.074777804	0.029278478	6.11522E-06	30.93288803	2.84735E-05	0.00055275	0.000396945
2114 Jun	127.6061401	0.065380886	0.047057196	0.001679051	17.93496704	0.030235257	39.86864471	0.001235733	0.000975947	5.20924E-06	0.008088959	0.002724424	0.062117856	0.029079907	6.00442E-06	29.1978569	2.89152E-05	0.000522366	0.000409591
2114 Jul	109.5336533	0.05332233	0.038600352	0.001599591	15.83546448	0.032470528	32.19778824	0.001248683	0.001042996	5.47585E-06	0.007992339	0.002416238	0.051506083	0.02605873	6.1054E-06	25.59714127	2.6111E-05	0.00044775	0.000343774
2114 Aug	103.1955414	0.051976196	0.034777187	0.001588438	15.63524246	0.036308326	28.79555537	0.001281909	0.001102234	5.73905E-06	0.007987194	0.002317982	0.047003105	0.025528232	6.28898E-06	24.77193451	2.37646E-05	0.000420031	0.000319412
2114 Sep	90.75895691	0.075589329	0.027712794	0.001416991	14.91243839	0.040540293	24.81023026	0.001162615	0.00101297	5.25457E-06	0.007852645	0.002002082	0.04139002	0.021691579	5.71249E-06	21.81346703	1.96651E-05	0.000358418	0.000237165
2114 Oct	114.8752747	0.093648732	0.039289102	0.001609019	16.60630608	0.041501984	37.74731827	0.001197612	0.000954525	5.08085E-06	0.008415473	0.002467286	0.059953611	0.022926912	5.82607E-06	24.76355553	2.39669E-05	0.000433172	0.0002644
2114 Nov	135.617569	0.095769547	0.04953225	0.001790884	17.88532066	0.04129931	48.42634201	0.001252193	0.000932644	5.06855E-06	0.008614326	0.002884973	0.075536899	0.024524054	6.05055E-06	27.55052185	2.71768E-05	0.000503069	0.000300485
2114 Dec	135.7952576	0.095907599	0.049588062	0.001792525	17.90250397	0.041336007	48.50292206	0.001253189	0.000933197	5.07188E-06	0.00862316	0.00288821	0.075648248	0.024544414	6.05533E-06	27.57985878	2.72103E-05	0.000503597	0.000300762
2115 Jan	135.7726746	0.095978104	0.049554758	0.001791582	17.92163849	0.041328702	48.44639587	0.001253062	0.000933553	5.07305E-06	0.00862265	0.002887473	0.075550415	0.024592029	6.05502E-06	27.60723686	2.72008E-05	0.000503681	0.000301588
2115 Feb	135.8968201	0.096039422	0.049591932	0.001791748	17.95614624	0.041310951	48.44981003	0.001253334	0.000933887	5.07464E-06	0.008621968	0.002889727	0.075535975	0.024669351	6.05642E-06	27.6652565	2.721E-05	0.000504349	0.000303014
2115 Mar	136.053421	0.096162908	0.049639899	0.00179313	17.98906136	0.04133885	48.47848129	0.001254495	0.000934916	5.07995E-06	0.008629117	0.002892861	0.075571224	0.024730748	6.06214E-06	27.7171154	2.72345E-05	0.000505048	0.000303999

Appendix D.2-13: A1

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2115 Apr	137.021637	0.096858092	0.049987275	0.001805516	18.12438202	0.041623108	48.80727005	0.001263285	0.000941573	5.11594E-06	0.008689173	0.002913337	0.076078519	0.024926022	6.10469E-06	27.92607498	2.74247E-05	0.000508711	0.000306528
2115 May	142.5848236	0.086525962	0.05184418	0.001754517	20.03424644	0.035189502	46.84931564	0.001248625	0.000946787	5.11682E-06	0.008216996	0.002999139	0.071449548	0.03110625	6.04552E-06	32.01318741	2.84338E-05	0.000557225	0.000435861
2115 Jun	140.3389435	0.075965114	0.05015748	0.001711233	20.56516838	0.031114522	42.61587524	0.00126415	0.000995748	5.31918E-06	0.008186988	0.002944276	0.064699784	0.034163453	6.14558E-06	33.52229309	2.95439E-05	0.00057164	0.000498962
2115 Jul	116.2817764	0.059932962	0.039680745	0.001588628	17.66040993	0.03422375	33.35560989	0.001246915	0.00104175	5.46897E-06	0.007680562	0.002546036	0.051662177	0.029696411	6.10066E-06	28.4541893	2.4458E-05	0.000465857	0.000405491
2115 Aug	103.569664	0.056370266	0.035043973	0.001520347	15.11338711	0.03950303	32.48203659	0.001180699	0.000975816	5.13889E-06	0.006946825	0.002303676	0.052467544	0.022537386	5.76963E-06	23.33449745	1.85931E-05	0.000395573	0.000264046
2115 Sep	114.2152939	0.071182609	0.039172042	0.001611322	16.15028381	0.041942425	37.81224823	0.001211116	0.000969107	5.15244E-06	0.007486924	0.002475019	0.061013807	0.022547824	5.89779E-06	24.57714653	2.04075E-05	0.000433413	0.000258258
2115 Oct	125.6907578	0.084642477	0.044025067	0.001697696	17.07817078	0.041828893	43.38511276	0.001235009	0.000954674	5.12894E-06	0.008118956	0.002685706	0.068562508	0.023654377	5.993E-06	26.22219467	2.39787E-05	0.000468929	0.000281011
2115 Nov	137.1034851	0.092951991	0.049050026	0.00178425	17.87019348	0.041484084	49.07796478	0.001258654	0.000939153	5.10114E-06	0.008539876	0.002899818	0.076447971	0.024662092	6.08715E-06	27.80651855	2.69126E-05	0.00050491	0.000303334
2115 Dec	136.9173889	0.09340822	0.048904594	0.001782344	17.87128639	0.041536056	48.96169281	0.001258477	0.000939956	5.10392E-06	0.008558809	0.002895153	0.076264195	0.024655946	6.08697E-06	27.78783226	2.6931E-05	0.000504099	0.000302941
2116 Jan	136.9225159	0.093490019	0.048885059	0.001781581	17.89425087	0.041525196	48.91498566	0.001258396	0.000940286	5.10505E-06	0.008558554	0.002894972	0.076178826	0.024711065	6.08683E-06	27.82206726	2.69265E-05	0.000504301	0.000303917
2116 Feb	137.0227356	0.093595184	0.048902828	0.001781547	17.93307114	0.041517314	48.89419174	0.001258778	0.000940921	5.1079E-06	0.00855968	0.002896716	0.076127365	0.024797346	6.0889E-06	27.88373947	2.69334E-05	0.000504919	0.000305444
2116 Mar	137.1840057	0.093729131	0.048949931	0.001782938	17.96847153	0.041547071	48.92032623	0.001259998	0.000942037	5.11361E-06	0.008567248	0.002899925	0.07615792	0.024863949	6.09494E-06	27.93926239	2.69584E-05	0.000505649	0.000306512
2116 Apr	138.0926056	0.094363242	0.049268283	0.001794352	18.09548378	0.041811552	49.22675323	0.001268196	0.00094828	5.14731E-06	0.008622589	0.00291902	0.076629281	0.025049577	6.13467E-06	28.1370182	2.71331E-05	0.000509075	0.000308939
2116 May	141.3832245	0.088666409	0.050054695	0.001751792	19.48683357	0.037414327	47.33256149	0.001258173	0.000956784	5.16648E-06	0.008362549	0.002962593	0.072539128	0.029499291	6.09809E-06	31.02140999	2.79398E-05	0.000540895	0.000400818
2116 Jun	141.4872894	0.063127346	0.052631918	0.001822576	16.51926804	0.032814756	51.77947617	0.001278399	0.000935697	5.11356E-06	0.008346871	0.002994432	0.080814585	0.024658175	6.17099E-06	27.82266617	3.09509E-05	0.000538801	0.000332146
2116 Jul	117.966156	0.049983133	0.042014841	0.001703067	14.19158077	0.032233078	40.1871376	0.001286767	0.001023802	5.45279E-06	0.00856407	0.00255152	0.064875528	0.021786666	6.26331E-06	23.82687759	2.97605E-05	0.000463911	0.00027297
2116 Aug	107.6308899	0.050390337	0.036336094	0.001633421	14.10311222	0.036025077	34.37953568	0.00128566	0.001065988	5.60877E-06	0.008324032	0.002357983	0.056799192	0.021336762	6.28585E-06	22.80475807	2.59145E-05	0.000426204	0.000249103
2116 Sep	108.0460434	0.07731206	0.034816869	0.001550194	15.347682	0.040165965	34.55910492	0.001209036	0.000992013	5.23551E-06	0.008220288	0.002325584	0.055983689	0.02173782	5.9036E-06	23.4138031	2.31885E-05	0.000412433	0.000245273
2116 Oct	134.1312714	0.096712008	0.045920312	0.001726452	17.67082214	0.041689396	47.44091797	0.001249228	0.000942957	5.10366E-06	0.008700063	0.002829979	0.073900484	0.024484232	6.04651E-06	27.46505737	2.69498E-05	0.000493005	0.000297936
2116 Nov	133.6344147	0.097650066	0.04552773	0.001722525	17.68706703	0.041930161	47.11004257	0.001250182	0.00094664	5.11865E-06	0.008737708	0.002818742	0.073410541	0.024484852	6.05318E-06	27.4300518	2.69064E-05	0.000490984	0.000296844
2116 Dec	133.4095612	0.097716868	0.045412958	0.001720674	17.67646599	0.041948605	46.99126816	0.001249681	0.000947006	5.11938E-06	0.008738856	0.002814098	0.073236614	0.02446772	6.05124E-06	27.40052223	2.68756E-05	0.000490195	0.000296395
2117 Jan	133.4047699	0.097749688	0.0454004	0.001720097	17.68963051	0.041937213	46.95959091	0.001249527	0.000947121	5.11961E-06	0.008737453	0.002813832	0.073179401	0.024500888	6.05064E-06	27.42033958	2.68695E-05	0.000490298	0.000296999
2117 Feb	133.4541931	0.097779565	0.045411739	0.001719798	17.71028519	0.041918326	46.9458313	0.001249467	0.000947214	5.11988E-06	0.008735467	0.002814634	0.073144779	0.024550246	6.05044E-06	27.45464516	2.68693E-05	0.000490634	0.000297928
2117 Mar	133.6533508	0.097934358	0.045474511	0.001721912	17.74546814	0.041966874	46.99670792	0.001251133	0.000948593	5.12714E-06	0.008746504	0.002818709	0.073217459	0.024610227	6.05859E-06	27.50972939	2.69046E-05	0.000491453	0.000298823
2117 Apr	134.8042908	0.098784305	0.045862988	0.001736486	17.90343857	0.042320799	47.39012909	0.001261804	0.000956754	5.17113E-06	0.008820779	0.002842911	0.073826671	0.024835726	6.11031E-06	27.75483894	2.71336E-05	0.000495735	0.000301655
2117 May	138.3526459	0.090532951	0.047085326	0.001690268	19.51425743	0.037054058	45.07392883	0.001249358	0.000964999	5.18616E-06	0.008435359	0.002896449	0.068990588	0.030033356	6.06175E-06	31.08954048	2.78379E-05	0.000533752	0.00040933
2117 Jun	136.9532776	0.066740222	0.048250653	0.001712884	17.96847534	0.031473879	45.34880447	0.001265883	0.000974528	5.24283E-06	0.008296644	0.002885203	0.070186071	0.028820971	6.13956E-06	29.96182442	3.01162E-05	0.000541574	0.000405074
2117 Jul	113.1328049	0.052692119	0.037932295	0.001588746	15.60864067	0.033844884	34.91793823	0.001252633	0.00103355	5.44611E-06	0.007899369	0.00248016	0.05525893	0.025578286	6.1204E-06	25.66732597	2.55794E-05	0.000445215	0.0003341
2117 Aug	92.56155396	0.046923261	0.028498264	0.001442776	14.11176777	0.037412874	25.72037888	0.001206383	0.001052299	5.45727E-06	0.007283045	0.002096744	0.042385116	0.022718903	5.93151E-06	22.21896362	1.96173E-05	0.000364047	0.000267516
2117 Sep	89.96696472	0.061300989	0.026317252	0.001403837	14.34526539	0.03982453	24.51393509	0.001183173	0.001039117	5.37861E-06	0.007539417	0.002010407	0.040808883	0.02189572	5.82184E-06	21.72273064	1.89317E-05	0.000351368	0.000243909
2117 Oct	103.0332947	0.087660402	0.03112269	0.001466661	15.58966637	0.041511457	31.53292465	0.001173386	0.000981171	5.1501E-06	0.008239874	0.002216277	0.050663255	0.022155708	5.74142E-06	23.25277901	2.18793E-05	0.000387664	0.000247161
2117 Nov	106.1591263	0.091858327	0.032359023	0.001485389	15.85232258	0.041774813	33.17167664	0.001175115	0.000971606	5.11664E-06	0.008361883	0.002269951	0.052995171	0.022290753	5.74281E-06	23.64545822	2.25069E-05	0.000396995	0.000249695
2117 Dec	106.1126862	0.092111409	0.032315589	0.001484938	15.85794449	0.041814383	33.13986588	0.001175088	0.00097185	5.11751E-06	0.008370242	0.002268578	0.052947257	0.022287209	5.74286E-06	23.64143944	2.25108E-05	0.000396773	0.000249464
2118 Jan	106.2309647	0.092188463	0.032354657	0.001485217	15.88559341	0.041802194	33.15650177	0.001175287	0.000971994	5.11831E-06	0.008370531	0.002270707	0.052956592	0.02234556	5.74382E-06	23.68764114	2.25227E-05	0.000397349	0.000250545
2118 Feb	106.3091507	0.092256047	0.032372009	0.001484934	15.91689301	0.04178223	33.13851547	0.001175323	0.000972241	5.11927E-06	0.008369104	0.002271998	0.05291019	0.022417564	5.74414E-06	23.73843002	2.2525E-05	0.000397854	0.000251871
2118 Mar	106.4140549	0.092349172	0.032400019	0.001485663	15.94350338	0.041796818	33.14764404	0.001176051	0.000972969	5.12291E-06	0.008373402	0.002274036	0.052915279	0.022470262	5.74778E-06	23.78023338	2.25395E-05	0.000398363	0.000252743
2118 Apr	109.54319	0.094296493	0.033285525	0.001480672	16.96586037	0.041056305	32.9256897	0.001177366	0.000978408	5.14487E-06	0.008316872	0.002327899	0.051939353	0.02480812	5.75705E-06	25.47916222	2.26908E-05	0.000416662	0.000296416
2118 May	137.5835419	0.087816432	0.045768484	0.001626124	20.22310066	0.035214536	42.74750137	0.00122767	0.00096327	5.15254E-06	0.008123413	0.002871367	0.064721175	0.032423031	5.96643E-06	32.44719696	2.70565E-05	0.000540058	0.000456746
2118 Jun	138.96521	0.063175865	0.049506847	0.00176772	16.81027412	0.032461904	49.0514946	0.001289753	0.000965745	5.24039E-06	0.008464077	0.002954043	0.076733395	0.025985871	6.23296E-06	28.40618324	3.10167E-05	0.000540105	0.000353377
2118 Jul	123.3823929	0.054322913	0.042478744	0.001707998	15.44330215	0.033665836	41.24346161	0.001311574	0.001042763	5.55533E-06	0.008559461	0.002678338	0.065831482	0.024370633	6.37872E-06	25.90489197	2.94169E-05	0.000485114	0.00031455
2118 Aug	97.67396545	0.0524115	0.030605458	0.001470167	14.12147999	0.038829662	29.71328735	0.001196917	0.001011029	5.29125E-06	0.007292299	0.002173081	0.049370583	0.02109394	5.86003E-06	21.98456001	1.95065E-05	0.00038203	0.000236401
2118 Sep	135.802002	0.090312876	0.04582322	0.00171694	17.66200447	0.041209109	48.22471237	0.001259654	0.000944512	5.12271E-06	0.008495922	0.00288773	0.075344443	0.02492125	6.08615E-06	27.88217163	2.66026E-05	0.000504664	0.000307305
2118 Oct	145.0579224	0.095559068	0.049556408	0.001783716	18.33613586	0.04134237	52.8036232	0.001285061	0.000936986	5.12666E-06	0.008768081	0.003073357	0.081867173	0.025831778	6.18997E-06	29.24698448	2.85423E-05	0.000535648	0.000325438
2118 Nov	144.22229	0.09614028	0.049058422	0.00177718	18.30623055	0.041523065	52.35536957	0.001284754	0.000939793	5.13665E-06	0.008791214	0.0030572	0.081229955	0.025766017	6.19008E-06	29.13900185	2.84465E-05	0.000532777	0.000323258
2118 Dec	143.8379059	0.096278898	0.048865382	0.001774308	18.29024124	0.041564867	52.14836884	0.001284073	0.000940646	5.13897E-06	0.008794894	0.003049189	0.080927297	0.025737986	6.18772E-06	29.08942413	2.83955E-05	0.000531414	0.000322475
2119 Jan	143.7498779	0.096347235	0.04881094	0.001773073	18.30227852	0.041561205	52.06688309	0.001283762	0.000940982	5.13983E-06	0.008794141	0.003047151	0.080795497	0.025770495	6.1866E-06	29.10179138	2.83776E-05	0.000531239	0.000323007
2119 Feb	143.8128204	0.096413709	0.048822433	0.001772952	18.3293705	0.041551881	52.04802322	0.00128394	0.00094137	5.1415E-06	0.008794118	0.003048202	0.080752127	0.025831664	6.18763E-06	29.14471817	2.83802E-05	0.000531652	0.000324102
2119 Mar	144.1785278	0.096675657	0.04894064	0.001776985	18.38672256	0.041643817	52.15696716	0.00128702	0.000943781	5.1544E-06	0.008814598	0.003055799	0.080913588	0.025925037	6.20258E-06	29.23561478	2.84472E-05	0.000533104	0.00032545
2119 Apr	148.8036194	0.1001596	0.049881011	0.001741348	20.59360313	0.039692897	50.28119659	0.001279499	0.000955703	5.18933E-06	0.008607533	0.003126994	0.076602541	0.031201435	6.17806E-06	32.84645081	2.83226E-05	0.000566787	0.000424225
2119 May	158.9803314	0.084916666	0.055055141	0.001746068	22.18031311	0.032474332	51.99275208	0.001275592	0.000938196	5.11814E-06	0.008052116	0.00333665	0.077866584	0.036599871	6.14438E-06	36.80876541	3.01941E-05	0.000632764	0.000544315
2119 Jun	135.0272369	0.062961869	0.047130298	0.001699246	16.93957329	0.031555317	46.36621094	0.00127055	0.000959536	5.1908E-06	0.008314201	0.002902068	0.072668776	0.026824636	6.13373E-06	28.5542469	3.02981E-05	0.000537665	0.000368294
2119 Jul	116.170723	0.051583376	0.039110556	0.00162544	14.8558569	0.031673413	37.58069229	0.001282383	0.001033269	5.48117E-06	0.008493653	0.002544738	0.060716994	0.023898754	6.23623E-06	24.95972824	2.92256E-05	0.000472013	0.000308809
2119 Aug	96.6381073	0.051386151	0.029783916	0.001463444	14.06626797	0.037250839	28.47988701	0.001214434	0.001033377	5.39566E-06	0.007597618	0.002158148	0.047883462	0.021510143	5.94429E-06	22.10118103	2.11657E-05	0.000391384	0.000245597
2119 Sep	113.8472214	0.079559684	0.035968374	0.001541432	16.08579445	0.041012678	37.34136581	0.001209329	0.000966443	5.13896E-06	0.007987993	0.002474491	0.060117252	0.022920391	5.87485E-06	24.75084686	2.24451E-05	0.000437926	0.000264846
2119 Oct	141.7705841	0.093963906	0.047698639	0.00174472	18.17606735	0.041274462	51.13115692	0.001280057	0.000938155	5.1225E-06	0.008672672	0.003035875	0.079668149	0.025805909	6.15967E-06	28.9447155	2.78658E-05	0.000531192	0.000322997
2119 Nov	145.4020844	0.095535323	0.049138449	0.001771169	18.43918991	0.041365523	52.91248322	0.001290874	0.00093643	5.12964E-06	0.008761398	0.003108621	0.08221598	0.026176829	6.20528E-06	29.49098015	2.85425E-05	0.000543269	0.000330267
2119 Dec	145.1255188	0.095657304	0.048997801	0.001769254	18.42921066	0.041404061	52.7600975	0.001290521	0.000937231	5.13218E-06	0.008765592	0.003102777	0.081993297	0.026157834	6.20433E-06	29.45619583	2.85074E-05	0.000542271	0.000329692

Appendix D.2-13: A1

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	6.4E-04	7.8E-02	9.6E-06	8.6E-01	1.2E+00	9.7E-03	1.2E-04	2.7E+00	9.4E-04	8.6E-03	2.4E-05	3.0E-05	4.0E-05	4.9E-02	1.9E-06	4.9E-05	1.2E-04	1.1E-03	0.0E+00
Operations (2020-2043): Mean	8.7E-04	1.0E-01	1.0E-05	1.1E+00	1.8E+00	2.0E-02	3.6E-04	3.9E+00	1.1E-03	1.0E-02	1.3E-04	1.0E-04	5.1E-05	7.3E-02	2.0E-06	6.9E-05	3.5E-04	1.5E-03	0.0E+00
Operations (2020-2043): Max	1.3E-03	2.4E-01	1.1E-05	2.2E+00	4.7E+00	1.1E-01	5.5E-04	7.7E+00	1.8E-03	1.2E-02	9.8E-04	2.3E-04	1.3E-04	1.8E-01	2.2E-06	8.4E-05	1.3E-03	2.1E-03	0.0E+00
Active Closure (2044-2050): Min	6.4E-04	8.3E-02	9.7E-06	8.8E-01	1.2E+00	1.0E-02	1.2E-04	2.7E+00	9.7E-04	8.9E-03	3.5E-05	4.6E-05	4.3E-05	5.0E-02	1.9E-06	5.0E-05	2.0E-04	1.2E-03	0.0E+00
Active Closure (2044-2050): Mean	8.4E-04	9.3E-02	1.0E-05	1.1E+00	1.6E+00	1.5E-02	3.6E-04	3.7E+00	1.0E-03	1.0E-02	8.5E-05	1.0E-04	4.7E-05	6.7E-02	2.0E-06	6.8E-05	3.1E-04	1.5E-03	0.0E+00
Active Closure (2044-2050): Max	9.6E-04	1.5E-01	1.1E-05	1.5E+00	2.8E+00	6.0E-02	5.0E-04	4.9E+00	1.4E-03	1.1E-02	5.0E-04	2.3E-04	8.4E-05	1.1E-01	2.2E-06	8.1E-05	8.6E-04	2.1E-03	0.0E+00
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Post Closure (2051-2119): Min	8.0E-04	6.2E-02	6.2E-06	1.0E+00	1.5E+00	1.2E-02	1.8E-04	3.6E+00	1.0E-03	6.7E-03	3.7E-05	9.0E-05	4.6E-05	5.6E-02	1.9E-06	6.2E-05	1.9E-04	1.1E-03	2.2E-06
Post Closure (2051-2119): Mean	1.2E-03	1.1E-01	1.0E-05	2.6E+00	4.7E+00	4.3E-02	9.4E-04	1.6E+01	2.6E-03	1.0E-02	3.1E-04	3.8E-04	1.7E-04	1.6E-01	3.1E-06	3.8E-04	5.3E-04	1.6E-03	3.6E-04
Post Closure (2051-2119): Max	1.6E-03	1.8E-01	1.2E-05	4.8E+00	8.2E+00	1.0E-01	1.8E-03	2.5E+01	4.0E-03	1.2E-02	8.0E-04	7.0E-04	3.1E-04	3.0E-01	4.7E-06	8.1E-04	1.1E-03	2.2E-03	6.5E-04
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0.001252066	0.231972083	1E-05	2.110421181	4.63598299	0.110376768	0.00019781	7.545958042	0.001802543	0.011507947	0.000956	0.00023	0.00013	0.180167243	2E-06	7.50795E-05	0.001302543	0.001824126	0
2020 Feb	0.001254086	0.232433379	1E-05	2.114252806	4.646715641	0.110671639	0.000198113	7.561552525	0.001805028	0.011515713	0.000956	0.00023	0.00013	0.180574954	2E-06	7.51571E-05	0.001305028	0.001823272	0
2020 Mar	0.001255408	0.232724935	1.0002E-05	2.116710901	4.6533494	0.110850535	0.000198313	7.571350098	0.001806708	0.01152212	0.000956188	0.000230045	0.000130026	0.180827752	2.00039E-06	7.52133E-05	0.001306609	0.001823176	0
2020 Apr	0.001258701	0.233360976	1.00235E-05	2.122388363	4.666512489	0.111175686	0.000198829	7.592216015	0.001811322	0.01154916	0.000958242	0.000230539	0.000130305	0.181336507	2.00469E-06	7.53978E-05	0.001310149	0.001826839	0
2020 May	0.001281143	0.237511069	1.02041E-05	2.160177469	4.749317169	0.113143645	0.000202376	7.727164268	0.001843669	0.011756393	0.000975515	0.000234695	0.000132654	0.184555367	2.04083E-06	7.67474E-05	0.001333462	0.001859874	0
2020 Jun	0.000713392	0.109198309	9.94588E-06	1.089620113	1.78364861	0.032101776	0.000116955	3.397227049	0.001138143	0.009399902	0.000255376	0.000228755	5.83239E-05	0.071789607	1.98918E-06	5.42155E-05	0.00064085	0.002039287	0
2020 Jul	0.000684958	0.09379077	1.0271E-05	0.960605681	1.386994839	0.019234914	0.00012203	2.931520224	0.00105401	0.009360318	0.000145866	0.000211107	4.82026E-05	0.056857854	2.0542E-06	5.25192E-05	0.000490209	0.002006649	0
2020 Aug	0.000742237	0.096220911	1.06744E-05	1.008909225	1.452367425	0.018292753	0.000162659	3.18289566	0.001082217	0.009667542	0.000137334	0.000188199	5.01841E-05	0.059977364	2.13488E-06	5.52646E-05	0.000433023	0.001929043	0
2020 Sep	0.000831528	0.091624364	1.02185E-05	1.052830815	1.582883358	0.013809081	0.000352932	3.654274702	0.001029244	0.01013685	7.76005E-05	0.000103962	4.60627E-05	0.065603927	2.04369E-06	6.74724E-05	0.000299631	0.001504353	0
2020 Oct	0.000915974	0.091823608	9.94891E-06	1.085221767	1.704673171	0.011022122	0.000486739	4.000816822	0.000997724	0.010823028	4.11846E-05	5.18833E-05	4.17827E-05	0.070029058	1.98978E-06	7.83497E-05	0.000233647	0.00124304	0
2020 Nov	0.000930019	0.09180969	9.89732E-06	1.090223908	1.724728227	0.010536932	0.000509501	4.058328152	0.000991778	0.01093538	3.48989E-05	4.28977E-05	4.10245E-05	0.070753492	1.97946E-06	8.01797E-05	0.000222174	0.001197437	0
2020 Dec	0.000930415	0.091817409	9.89703E-06	1.090431333	1.725328565	0.010526981	0.000510055	4.059971809	0.000991732	0.010938856	3.47611E-05	4.27E-05	4.10111E-05	0.070775926	1.97941E-06	8.02277E-05	0.000221937	0.00119652	0
2021 Jan	0.000931361	0.092075184	9.89733E-06	1.092478156	1.731076956	0.010697026	0.000509972	4.067839622	0.000993168	0.010942427	3.5551E-05	4.28331E-05	4.10884E-05	0.070993327	1.97947E-06	8.02553E-05	0.000223558	0.001196709	0
2021 Feb	0.000932661	0.092432998	9.89898E-06	1.095328808	1.738921165	0.010930581	0.000509794	4.078589439	0.000995238	0.01094776	3.6655E-05	4.30631E-05	4.12008E-05	0.071290717	1.9798E-06	8.02912E-05	0.000225832	0.001197315	0
2021 Mar	0.000933717	0.092662573	9.90357E-06	1.09729147	1.743846655	0.011062024	0.000509887	4.085970879	0.000996738	0.010954746	3.72708E-05	4.32045E-05	4.12775E-05	0.071479447	1.98071E-06	8.03407E-05	0.000227156	0.001198091	0
2021 Apr	0.000934896	0.092850745	9.91231E-06	1.099088907	1.747732759	0.011143777	0.000510255	4.092706203	0.00099821	0.010965507	3.76448E-05	4.33119E-05	4.13467E-05	0.071631238	1.98246E-06	8.04186E-05	0.000228052	0.001199275	0
2021 May	0.000956236	0.098017678	1.00457E-05	1.142255187	1.852637053	0.01410147	0.000508157	4.24461174	0.001034174	0.011125742	6.41257E-05	4.9166E-05	4.44011E-05	0.075652048	2.00914E-06	8.13303E-05	0.000261489	0.001232784	0
2021 Jun	0.000717193	0.097780429	9.95355E-06	1.02152586	1.579771042	0.022834266	0.000183213	3.238485098	0.001067936	0.009553921	0.000167142	0.000195249	5.03203E-05	0.064270176	1.99071E-06	5.76242E-05	0.000520184	0.001904808	0
2021 Jul	0.000712507	0.092897862	1.03027E-05	0.959885478	1.379342556	0.017168486	0.000151939	3.003135204	0.001040147	0.009472799	0.000128202	0.000190332	4.68311E-05	0.056656741	2.06053E-06	5.41562E-05	0.000437571	0.001908075	0
2021 Aug	0.000763994	0.092665359	1.0465E-05	0.993331909	1.422344565	0.015382697	0.000202986	3.249065638	0.001040933	0.009500256	0.00011279	0.000150216	4.81897E-05	0.05909868	2.093E-06	5.56838E-05	0.000339536	0.001721564	0
2021 Sep	0.000843594	0.089331187	1.00869E-05	1.04695797	1.571342468	0.012172366	0.000381138	3.705312014	0.001006066	0.010040267	6.2486E-05	8.11339E-05	4.50338E-05	0.065386228	2.01738E-06	6.80075E-05	0.000246043	0.001381096	0
2021 Oct	0.000911583	0.091122173	9.98259E-06	1.082087278	1.685978413	0.010764798	0.000479354	3.984784603	0.00099696	0.010708304	4.04005E-05	5.0126E-05	4.22489E-05	0.06949085	1.99652E-06	7.70776E-05	0.000220075	0.001234927	0
2021 Nov	0.000916305	0.091450788	1.001E-05	1.0863868	1.694393992	0.010757223	0.000483627	4.004919529	0.000999733	0.010760034	3.98906E-05	4.939E-05	4.22977E-05	0.069819942	2.002E-06	7.75721E-05	0.00022	0.001234496	0
2021 Dec	0.000917054	0.091512993	1.0016E-05	1.087160587	1.695750952	0.010760477	0.000484179	4.008148193	0.001000341	0.0107685	3.98603E-05	4.93433E-05	4.23174E-05	0.069874302	2.00321E-06	7.76438E-05	0.000220074	0.001234908	0
2022 Jan	0.000917704	0.091677628	1.00165E-05	1.08848691	1.699438095	0.010866024	0.000484189	4.013293743	0.001001268	0.010771486	4.03444E-05	4.94187E-05	4.23655E-05	0.070013724	2.00331E-06	7.76684E-05	0.000221092	0.001235031	0
2022 Feb	0.000918457	0.091893785	1.00168E-05	1.090184808	1.704212904	0.011010209	0.000484061	4.019728661	0.00100248	0.010774167	4.10241E-05	4.95539E-05	4.24315E-05	0.070194222	2.00336E-06	7.76871E-05	0.000222491	0.001235298	0
2022 Mar	0.000919164	0.092041276	1.00202E-05	1.091462374	1.707365513	0.011092344	0.000484148	4.024534702	0.001003464	0.010779108	4.14079E-05	4.96435E-05	4.24813E-05	0.070315264	2.00403E-06	7.77223E-05	0.000223325	0.001235842	0
2022 Apr	0.000926114	0.092781305	1.00935E-05	1.09996736	1.721331954	0.011218434	0.000487646	4.055949211	0.001011174	0.010858702	4.19228E-05	5.00485E-05	4.28123E-05	0.070885397	2.01869E-06	7.8296E-05	0.000225393	0.001244955	0
2022 May	0.000941789	0.094371505	1.02633E-05	1.118698478	1.75093019	0.011427059	0.000495822	4.125023365	0.00102835	0.011041687	4.27442E-05	5.09134E-05	4.35437E-05	0.072102062	2.05266E-06	7.96149E-05	0.000229384	0.001265955	0
2022 Jun	0.00073904	0.087156028	1.00357E-05	0.969655931	1.405240893	0.013474884	0.000265465	3.169466019	0.001004428	0.009789969	7.72275E-05	0.000153075	4.29078E-05	0.058049984	2.00713E-06	6.20618E-05	0.000382632	0.001734034	0
2022 Jul	0.000707834	0.086619653	9.84274E-06	0.880446851	1.228746891	0.01265158	0.000145656	2.840102434	0.000953414	0.008872788	0.000101369	0.000149929	4.23191E-05	0.050693352	1.96855E-06	4.94383E-05	0.000309039	0.001649706	0
2022 Aug	0.000774655	0.089139648	1.026E-05	0.951647758	1.336862922	0.012161904	0.000207237	3.198568821	0.00099016	0.009172887	9.32916E-05	0.000118113	4.56753E-05	0.055832852	2.052E-06	5.31136E-05	0.000240324	0.001532293	0
2022 Sep	0.000835703	0.087283097	1.00651E-05	1.022870302	1.505121827	0.010870376	0.000361402	3.631654978	0.000987537	0.009733067	5.75891E-05	7.17949E-05	4.48217E-05	0.063022606	2.01302E-06	6.46217E-05	0.000199239	0.001323189	0
2022 Oct	0.000894065	0.089390799	9.95188E-06	1.059627056	1.625927567	0.010196448	0.000452143	3.888597727	0.000984426	0.010400019	4.07254E-05	4.92069E-05	4.23945E-05	0.06731417	1.99038E-06	7.35675E-05	0.000196594	0.001219354	0
2022 Nov	0.000898649	0.08977551	9.98784E-06	1.064419627	1.634552121	0.01022229	0.000455669	3.908593655	0.000988143	0.010453098	4.0549E-05	4.89501E-05	4.25094E-05	0.067657225	1.99757E-06	7.40264E-05	0.000197297	0.001221985	0
2022 Dec	0.000899368	0.089834124	9.99312E-06	1.065156579	1.635913014	0.01022571	0.000456252	3.911734104	0.000988695	0.010461424	4.0512E-05	4.88975E-05	4.25249E-05	0.067711033	1.99862E-06	7.41004E-05	0.0001974	0.001222311	0
2023 Jan	0.000900047	0.0900051	9.99347E-06	1.066538453	1.639781713	0.010335566	0.000456291	3.917116642	0.00098965	0.010464729	4.10115E-05	4.89752E-05	4.25735E-05	0.067857049	1.99869E-06	7.41293E-05	0.000198482	0.00122243	0
2023 Feb	0.000900837	0.090229914	9.99373E-06	1.068310022	1.644765615	0.010485233	0.000456179	3.923839808	0.00099091	0.010467703	4.17148E-05	4.91153E-05	4.26417E-05	0.068045355	1.99874E-06	7.4151E-05	0.000199947	0.001222712	0
2023 Mar	0.000901341	0.090359814	9.99468E-06	1.06936276	1.647616267	0.010567669	0.000456155	3.927824497	0.000991678	0.010470177	4.21016E-05	4.91957E-05	4.26823E-05	0.068153545	1.99894E-06	7.41689E-05	0.000200761	0.001222966	0
2023 Apr	0.00090526	0.090798005	1.00355E-05	1.07427156	1.655881643	0.010657339	0.000457978	3.945922375	0.000996112	0.010513764	4.24922E-05	4.94398E-05	4.28775E-05	0.068489887	2.0071E-06	7.44779E-05	0.000202035	0.001228036	0
2023 May	0.000960217	0.109430335	1.01676E-05	1.216524363	2.045548677	0.02309435	0.000432025	4.442836285	0.001109054	0.010778798	0.000155956	7.24248E-05	5.42267E-05	0.08317937	2.03352E-06	7.5557E-05	0.000340519	0.001318488	0
2023 Jun	0.000776036	0.119639203	9.8349E-06	1.184145331	2.057253361	0.038520064	0.000148843	3.838421583	0.00118479	0.009589447	0.000312426	0.00021307	6.42196E-05	0.082248323	1.96698E-06	5.72415E-05	0.00067188	0.00193227	0
2023 Jul	0.000709398	0.096084677	1.00638E-05	0.975353599	1.456071496	0.020503735	0.000135601	3.067056417	0.001045408	0.00925546	0.000160684	0.000191541	4.9159E-05	0.059429586	2.01276E-06	5.24837E-05	0.000463735	0.001878549	0
2023 Aug	0.000773233	0.097103693	1.04096E-05	1.007800817	1.486846685	0.018085849	0.000180793	3.30233407	0.001054201	0.009474307	0.000142236	0.000155722	4.99685E-05	0.061223414	2.08191E-06	5.45752E-05	0.000366453	0.001728345	0
2023 Sep	0.000803502	0.09198714	1.03517E-05	1.048681617	1.542462707	0.015460188	0.000287751	3.573240519	0.001044189	0.009576063	0.000102259	0.00011261	5.00097E-05	0.064562246	2.07033E-06	6.02505E-05	0.000287106	0.001537698	0
2023 Oct	0.0008499	0.092367679	1.02471E-05	1.067904472	1.611008883	0.013918034	0.000362497	3.755957603	0.001031414	0.010052847	8.08808E-05	8.88317E-05	4.73851E-05	0.06697771	2.04941E-06	6.69846E-05	0.000263715	0.001425141	0
2023 Nov	0.000859196	0.092809856	1.02782E-05	1.074823141	1.626265287	0.013789743	0.000373159	3.794317961	0.001034277	0.010154026	7.86221E-05	8.63147E-05	4.72683E-05	0.067559063	2.05564E-06	6.80923E-05	0.000261994	0.001417532	0
2023 Dec	0.000860028	0.092856705	1.0282E-05	1.075503588	1.627661943	0.013781829	0.000374028	3.797789097	0.001034641	0.0101632	7.84599E-05	8.61338E-05	4.72659E-05	0.067613065	2.05641E-06	6.81868E-05	0.000261899	0.001417146	0
2024 Jan	0.000860908	0.093059614	1.02816E-05	1.077156663	1.632409215	0.013911054	0.000374211	3.804519653	0.001035702	0.010167445	7.90077E-05	8.61598E-05	4.73158E-05	0.067791626	2.05631E-06	6.82307E-05	0.000263115	0.001416889	0
2024 Feb	0.000861912	0.093336061	1.02813E-05	1.079338431	1.638618588	0.014094899	0.000374137	3.812950134	0.001037212	0.010171184	7.98516E-05	8.62986E-05	4.73956E-05	0.06802588	2.05627E-06	6.82616E-05	0.000264883	0.001417025	0
2024 Mar	0.000863472	0.093595877	1.02933E-05	1.081792951	1.6439147	0.014211145	0.000374537	3.822012901	0.001039253	0.010185197	8.0403E-05	8.64755E-05	4.74947E-05	0.068232998	2.05867E-06	6.83588E-05	0.000266153	0.001418768	0
2024 Apr	0.000865811	0.093900003	1.03176E-05	1.085002661	1.64966464	0.014300089	0.000375399	3.833570242	0.00104216	0.010210351	8.0847E-05	8.67213E-05	4.76308E-05	0.068464577	2.06351E-06	6.85294E-05	0.000267314	0.001422156	0
2024 May	0.000966521	0.127943993	1.03374E-05	1.341367602	2.382261276	0.037518423	0.000336046	4.760437012	0.001234562	0.01061667	0.000292478	0.000122056	6.79233E-05	0.09592896	2.06748E-06	7.07305E-05	0.000518704	0.00153249	0
2024 Jun	0.000943774	0.160137102	9.88524E-06	1.516486406	2.983926535	0.064614974	0.00016134	5.161542892	0.001407774	0.010244374	0.000547516	0.000221029	8.81894E-05	0.117429554	1.97705E-06	6.32264E-05	0.000902624	0.00190063	0
2024 Jul	0.000914688	0.146921411	1.04539E-05	1.412078977	2.623147011	0.053084265	0.000160181	4.724246025	0.001357726	0.010431031	0.000445985	0.000221645	7.96126E-05	0.103940874	2.09078E-06	6.27401E-05	0.000798787	0.0019858	0
2024 Aug	0.000916183	0.135013685	1.06892E-05	1.370342731	2.428974628	0.044366997	0.000220038	4.643506527	0.001311076	0.010343169	0.000362629	0.000182975	7.52716E-05	0.097698011	2.13783E-06	6.37389E-05	0.000650042	0.001842782	0
2024 Sep	0.000909002	0.112381518	1.03213E-05	1.250907183	2.096243382	0.028648447	0.000360755	4.407016754	0.001165281	0.0103244	0.000207204	0.000109497	6.1372E-05	0.085724719	2.06426E-06	6.97175E-05	0.000424779	0.001504301	0
2024 Oct	0.000932863	0.107583366	1.02536E-05	1.220337033	2.024923801	0.023478955	0.00042196	4.389074326	0.001122437	0.010665163	0.000156251	8.52882E-05	5.56591E-05	0.08280053	2.05072E-06	7.45682E-05	0.000363448	0.001398258	0
2024 Nov	0.000942731	0.1055713	1.02244E-05	1.207467556	1.994976282	0.021319859	0.000447457	4.381175518	0.001104456	0.010806341	0.000134977	7.51795E-05	5.32703E-05	0.081572674	2.04488E-06	7.65851E-05	0.000337825	0.001353881	0
2024 Dec	0.000943495	0.105583146	1.02295E-05	1.207842946	1.99539125	0.021280784	0.000448312	4.383455276	0.001104653	0.010815765	0.00013455	7.49827E-05	5.32437E-05	0.081589557	2.04589E-06	7.66759E-05	0.000337409	0.001353594	0
2025 Jan	0.000944373	0.105798498	1.02291E-05	1.209538937	2.000270367	0.021418709	0.000448373	4.39025116	0.001105778	0.010819527	0.000135082	7.50391E-05	5.32908E-05	0.081772842	2.04583E-06	7.67106E-05	0.000338697	0.001353444	0
2025 Feb	0.000945565	0.106121622	1.02301E-05	1.212094307	2.007395029	0.021629335	0.000448251	4.400010586	0.001107601	0.010824384	0.000136028	7.52235E-05	5.3384E-05	0.08204221	2.04601E-06	7.67459E-05	0.000340733	0.001353823	0
2025 Mar	0.000946369	0.106314972	1.02322E-05	1.213683844	2.011604071	0.021747651	0.000448257	4.406044006	0.001108773	0.010828787	0.000136566	7.53362E-05	5.34434E-05	0.082202338	2.04644E-06	7.67776E-05	0.000341898	0.00135425	0
2025 Apr	0.000947778	0.106531896	1.02437E-05	1.21580863	2.016021967	0.02183684	0.000448711	4.413907528	0.001110556	0.010842182	0.00013701	7.54761E-05	5.3531E-05	0.082376108	2.04875E-06	7.68728E-05	0.000342905	0.001355854	0

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.000966012	0.108607903	1.04393E-05	1.239343643	2.055431843	0.022282086	0.000457243	4.499390125	0.001131991	0.011049649	0.000139785	7.69473E-05	5.4568E-05	0.083983466	2.08786E-06	7.83434E-05	0.000349733	0.001381804	0
2025 Jun	0.000742714	0.092665866	1.00985E-05	1.013721466	1.517501712	0.017905945	0.00024309	3.291627169	0.001045333	0.009754921	0.000117323	0.000166557	4.73238E-05	0.062413208	2.0197E-06	6.10231E-05	0.000435582	0.001794282	0
2025 Jul	0.000678459	0.087152191	1.01123E-05	0.901558757	1.243787646	0.014246791	0.000134144	2.78171277	0.00099631	0.009141521	0.00010544	0.000187129	4.37197E-05	0.051397212	2.02245E-06	5.12011E-05	0.000401406	0.00187693	0
2025 Aug	0.000749515	0.09060993	1.04839E-05	0.957616389	1.334820747	0.0136005	0.000180651	3.09739852	0.001023193	0.009423256	0.000101514	0.000154976	4.62021E-05	0.05552258	2.09678E-06	5.3905E-05	0.000326966	0.001745002	0
2025 Sep	0.000794984	0.089198738	1.03726E-05	1.005742908	1.441839933	0.01248957	0.000281863	3.406449318	0.001019176	0.009698723	7.7814E-05	0.000116921	4.61387E-05	0.060281042	2.07452E-06	6.06016E-05	0.00027627	0.001567116	0
2025 Oct	0.000862965	0.090107359	1.01121E-05	1.043572664	1.574759364	0.011176281	0.000397032	3.724462271	0.001000434	0.010300748	5.38224E-05	7.75088E-05	4.32169E-05	0.065172859	2.02241E-06	7.03205E-05	0.00024205	0.001368107	0
2025 Nov	0.000886067	0.090552539	1.00468E-05	1.057405949	1.619732738	0.010778345	0.00043432	3.831987143	0.000996215	0.010509944	4.62918E-05	6.5119E-05	4.23634E-05	0.066840537	2.00936E-06	7.3531E-05	0.000231596	0.001307241	0
2025 Dec	0.000886905	0.090611584	1.00518E-05	1.058215737	1.621304154	0.010779094	0.000435092	3.835720778	0.000996737	0.01051899	4.62139E-05	6.49845E-05	4.23762E-05	0.066902764	2.01035E-06	7.36186E-05	0.000231586	0.001307156	0
2026 Jan	0.000887846	0.090838268	1.00523E-05	1.060079932	1.626487136	0.010923703	0.000435194	3.843069792	0.000998006	0.010523465	4.68653E-05	6.50576E-05	4.24417E-05	0.06709899	2.01046E-06	7.36594E-05	0.000232958	0.001307177	0
2026 Feb	0.000888907	0.09113542	1.00526E-05	1.06243515	1.633104682	0.01112135	0.000435067	3.85205698	0.00099967	0.010527375	4.7791E-05	6.52276E-05	4.25322E-05	0.067349292	2.01052E-06	7.36888E-05	0.000234864	0.00130747	0
2026 Mar	0.000890173	0.091367871	1.00606E-05	1.064540744	1.637974501	0.011237672	0.000435335	3.859935045	0.00100135	0.01053765	4.83325E-05	6.53707E-05	4.26144E-05	0.067537807	2.01211E-06	7.37618E-05	0.000236085	0.001308642	0
2026 Apr	0.000893676	0.091786005	1.00965E-05	1.069068074	1.645871639	0.011339192	0.000436847	3.876490355	0.001005438	0.010576433	4.87926E-05	6.56566E-05	4.27945E-05	0.067856409	2.0193E-06	7.40339E-05	0.000237519	0.001313398	0
2026 May	0.000921263	0.09895733	1.02344E-05	1.127777815	1.794440269	0.015653865	0.000432947	4.08488369	0.001053012	0.010764113	8.75703E-05	7.34799E-05	4.70576E-05	0.073521554	2.04687E-06	7.51175E-05	0.00028555	0.001353311	0
2026 Jun	0.000700468	0.103698701	9.80577E-06	1.048304319	1.68230319	0.028599169	0.000131616	3.276786327	0.001098069	0.009278296	0.000223758	0.000216007	5.49323E-05	0.067953758	1.96115E-06	5.40549E-05	0.000592734	0.001972596	0
2026 Jul	0.000696151	0.096187003	1.02499E-05	0.984299362	1.453521371	0.020912122	0.000129532	3.029372931	0.001067693	0.009422945	0.000159536	0.000210564	4.96557E-05	0.059406746	2.04997E-06	5.34464E-05	0.000506586	0.001999623	0
2026 Aug	0.000772687	0.096018471	1.0429E-05	0.999511361	1.460876226	0.017150529	0.000182796	3.277041674	0.001047802	0.00946928	0.000134244	0.000153129	4.92744E-05	0.060262565	2.0858E-06	5.45016E-05	0.000353062	0.001718871	0
2026 Sep	0.000808771	0.095405497	1.04766E-05	1.033943057	1.526329994	0.01595781	0.000251465	3.483887196	0.001051715	0.009776028	0.000114339	0.000130393	4.90172E-05	0.063197598	2.09532E-06	5.96205E-05	0.000320686	0.001626355	0
2026 Oct	0.000867144	0.093536891	1.01476E-05	1.056453586	1.6179142	0.013254259	0.000375159	3.752795935	0.001017199	0.010302307	7.61137E-05	8.61602E-05	4.48699E-05	0.066621929	2.02952E-06	6.93105E-05	0.000268695	0.001403383	0
2026 Nov	0.000871518	0.093883462	1.01832E-05	1.061036944	1.625809193	0.013265965	0.000378561	3.77197504	0.00102075	0.010351707	7.58328E-05	8.58274E-05	4.49863E-05	0.066941708	2.03665E-06	6.97371E-05	0.000268976	0.001405593	0
2026 Dec	0.000872196	0.093926959	1.01875E-05	1.061686635	1.627011895	0.013263265	0.000379213	3.774970055	0.001021171	0.010359159	7.57347E-05	8.5713E-05	4.49953E-05	0.066989966	2.0375E-06	6.98096E-05	0.000268931	0.001405537	0
2027 Jan	0.00087284	0.094072208	1.01878E-05	1.062914252	1.630413532	0.013354894	0.000379353	3.779896736	0.001021983	0.01036241	7.61249E-05	8.57362E-05	4.50354E-05	0.067118987	2.03756E-06	6.98418E-05	0.000269786	0.001405446	0
2027 Feb	0.000873543	0.094264351	1.01879E-05	1.064452052	1.634735703	0.013482477	0.000379307	3.785811901	0.001023056	0.010365075	7.6711E-05	8.5834E-05	4.50929E-05	0.06728255	2.03759E-06	6.98636E-05	0.000271008	0.001405576	0
2027 Mar	0.000874569	0.094438486	1.01955E-05	1.066073775	1.63829577	0.013561985	0.00037956	3.79182291	0.001024393	0.010374153	7.70872E-05	8.59506E-05	4.51575E-05	0.067421257	2.0391E-06	6.99268E-05	0.000271873	0.001406681	0
2027 Apr	0.000879857	0.095045775	1.02546E-05	1.072732091	1.649139643	0.013680425	0.000381745	3.815644026	0.001030665	0.010435104	7.77169E-05	8.64792E-05	4.54371E-05	0.067863062	2.05092E-06	7.03388E-05	0.00027383	0.001414873	0
2027 May	0.000908507	0.101357207	1.04359E-05	1.127081633	1.77895534	0.017148798	0.000382684	4.010246754	0.001075404	0.010663858	0.000108392	9.28574E-05	4.90931E-05	0.07285241	2.08719E-06	7.17975E-05	0.000313112	0.001454694	0
2027 Jun	0.000643037	0.087094933	9.8595E-06	0.91665411	1.304038286	0.017244892	0.000137121	2.769110203	0.00100808	0.009095727	0.000121252	0.000207556	4.49015E-05	0.053671047	1.9719E-06	5.24204E-05	0.000483708	0.00196812	0
2027 Jul	0.000657687	0.088002995	1.03868E-05	0.917713404	1.249892712	0.015424402	0.000119158	2.72901535	0.001033292	0.009372164	0.000109583	0.000217915	4.49345E-05	0.051710065	2.07736E-06	5.22721E-05	0.000472751	0.002066741	0
2027 Aug	0.000715484	0.0896281	1.07242E-05	0.980563462	1.344375372	0.014840294	0.000178357	3.052232742	0.001062685	0.009601096	0.000100234	0.000186912	4.7888E-05	0.056294236	2.14483E-06	5.55486E-05	0.000406065	0.001947166	0
2027 Sep	0.000793739	0.087768465	1.04051E-05	1.035599351	1.491289496	0.012643786	0.000326003	3.504812956	0.001034807	0.009909421	6.60011E-05	0.000117855	4.66683E-05	0.062620558	2.08103E-06	6.45517E-05	0.000299846	0.001596769	0
2027 Oct	0.000855188	0.089279972	1.01937E-05	1.060562611	1.593070507	0.011481319	0.000411309	3.75516963	0.00101565	0.010383002	4.9486E-05	8.36085E-05	4.40631E-05	0.066203415	2.03874E-06	7.17645E-05	0.000262616	0.001417606	0
2027 Nov	0.000871409	0.089966036	1.01931E-05	1.070151925	1.620681047	0.0112908	0.000430564	3.82239747	0.001015987	0.010523966	4.63014E-05	7.69247E-05	4.37133E-05	0.067217939	2.03862E-06	7.35481E-05	0.000256073	0.001386763	0
2027 Dec	0.000872517	0.090029776	1.01963E-05	1.07098341	1.622611523	0.011284608	0.000431689	3.827059031	0.001016326	0.010534536	4.61527E-05	7.66062E-05	4.37092E-05	0.067291312	2.03926E-06	7.3663E-05	0.000255818	0.00138562	0
2028 Jan	0.000873585	0.090289541	1.01959E-05	1.07305634	1.628550053	0.011451767	0.000431784	3.835390568	0.001017692	0.010538959	4.69112E-05	7.66604E-05	4.37796E-05	0.067514963	2.03918E-06	7.37051E-05	0.00025735	0.001385369	0
2028 Feb	0.000874916	0.090647772	1.01968E-05	1.075900316	1.636484861	0.011685649	0.000431667	3.846291065	0.001019707	0.010544294	4.8009E-05	7.68533E-05	4.38881E-05	0.067815103	2.03936E-06	7.37449E-05	0.000259594	0.001385721	0
2028 Mar	0.00087578	0.090856433	1.0199E-05	1.077615857	1.641045094	0.011814003	0.000431676	3.852820635	0.001020965	0.010548924	4.86103E-05	7.69702E-05	4.3954E-05	0.067988575	2.03979E-06	7.37786E-05	0.000260849	0.001386141	0
2028 Apr	0.000879159	0.091273293	1.02339E-05	1.082136512	1.649016023	0.011924683	0.000433108	3.869204283	0.001025043	0.010586391	4.91065E-05	7.729E-05	4.41362E-05	0.068310194	2.04678E-06	7.40414E-05	0.000262412	0.001390959	0
2028 May	0.000892654	0.092719443	1.03885E-05	1.098996758	1.675390124	0.012150467	0.000439584	3.929561377	0.001040902	0.010747015	5.01638E-05	7.85113E-05	4.48331E-05	0.069397189	2.0777E-06	7.51639E-05	0.000266835	0.0014121	0
2028 Jun	0.000639452	0.083671324	9.87921E-06	0.898933709	1.245283008	0.014772071	0.000154057	2.716446161	0.000991556	0.00912997	9.63917E-05	0.000201004	4.2866E-05	0.051562726	1.97584E-06	5.32942E-05	0.000455979	0.001947744	0
2028 Jul	0.000647574	0.086577199	1.02785E-05	0.906325758	1.230099678	0.015066893	0.000119604	2.688162565	0.001021689	0.0092823	0.000105605	0.000216797	4.42486E-05	0.050932407	2.0557E-06	5.19095E-05	0.000469984	0.002053409	0
2028 Aug	0.000707217	0.09152402	1.09168E-05	0.978461564	1.333485126	0.015474472	0.000153351	2.971938848	0.001082669	0.009822615	0.000106455	0.000211027	4.77108E-05	0.055517148	2.18336E-06	5.58433E-05	0.000457363	0.002085537	0
2028 Sep	0.000779581	0.09222877	1.07734E-05	1.02516067	1.461300254	0.014067313	0.000261953	3.331602573	0.001070581	0.010246952	8.46066E-05	0.000163393	4.65654E-05	0.060671907	2.15467E-06	6.35931E-05	0.000389874	0.001849654	0
2028 Oct	0.000894225	0.091714092	1.01164E-05	1.071282744	1.654447436	0.011043602	0.000452588	3.869736195	0.001009117	0.010832854	4.32018E-05	7.32684E-05	4.17639E-05	0.06798204	2.02328E-06	7.67455E-05	0.000265712	0.001364336	0
2028 Nov	0.000911841	0.09232828	1.01259E-05	1.083522439	1.68519628	0.010829777	0.000474389	3.950049162	0.001010453	0.010968235	3.94915E-05	6.50419E-05	4.15998E-05	0.069184661	2.02517E-06	7.85793E-05	0.000255572	0.001327059	0
2028 Dec	0.000912514	0.092377633	1.01303E-05	1.084182501	1.686411262	0.01083097	0.000474942	3.953029394	0.001010906	0.010975102	3.94487E-05	6.49375E-05	4.16149E-05	0.069233574	2.02607E-06	7.86424E-05	0.000255518	0.001327028	0
2029 Jan	0.000913217	0.092561007	1.01301E-05	1.085654736	1.690587163	0.01095226	0.000474939	3.958826303	0.001011899	0.010977554	4.00068E-05	6.49958E-05	4.16691E-05	0.069391601	2.02603E-06	7.86645E-05	0.000256623	0.001326942	0
2029 Feb	0.000914063	0.092807308	1.013E-05	1.087586522	1.696062207	0.011118537	0.000474784	3.966187954	0.00101326	0.010980143	4.07917E-05	6.51372E-05	4.17448E-05	0.06959863	2.026E-06	7.86827E-05	0.000258203	0.001327133	0
2029 Mar	0.000914743	0.09296383	1.01324E-05	1.088900208	1.699453354	0.011211853	0.000474814	3.971152067	0.001014245	0.010984186	4.12294E-05	6.52299E-05	4.17961E-05	0.069728181	2.02648E-06	7.87115E-05	0.000259126	0.001327555	0
2029 Apr	0.000916303	0.0931722	1.01467E-05	1.091044903	1.703564525	0.0112794	0.00047544	3.979071617	0.001016106	0.011000572	4.15316E-05	6.53663E-05	4.18789E-05	0.069891393	2.02934E-06	7.88289E-05	0.000259984	0.001329498	0
2029 May	0.000928815	0.095617801	1.02417E-05	1.112887263	1.752726436	0.012498764	0.000476872	4.05707407	0.00103461	0.011111139	5.2143E-05	6.7828E-05	4.32621E-05	0.071795732	2.04834E-06	7.95391E-05	0.000274148	0.001347671	0
2029 Jun	0.000792536	0.097226299	1.00899E-05	1.055314541	1.641273856	0.019214755	0.000285544	3.527706861	0.001059256	0.010128222	0.000126911	0.00015183	4.79383E-05	0.066946886	2.01798E-06	6.54167E-05	0.000435946	0.00171914	0
2029 Jul	0.000688999	0.086656496	9.96081E-06	0.888039947	1.230576158	0.01347532	0.000137111	2.793417692	0.000973603	0.008986748	0.000103567	0.000170255	4.29272E-05	0.050806705	1.99216E-06	5.01187E-05	0.000358751	0.001770687	0
2029 Aug	0.000763472	0.089501463	1.03204E-05	0.951567233	1.332778931	0.012679012	0.000196376	3.152962685	0.001000206	0.009242238	9.63473E-05	0.0001316	4.57829E-05	0.055578411	2.06407E-06	5.32402E-05	0.000271901	0.001607967	0
2029 Sep	0.000816985	0.089912638	1.03559E-05	1.009809613	1.458104491	0.011969748	0.000295373	3.478158712	0.00101217	0.009728271	7.58056E-05	0.000102351	4.58965E-05	0.060890429	2.07118E-06	6.11086E-05	0.000243863	0.001488343	0
2029 Oct	0.000871416	0.090886958	1.01908E-05	1.045670748	1.5730654	0.011088472	0.000390384	3.741845608	0.001003621	0.010279655	5.64161E-05	7.42754E-05	4.37161E-05	0.06515342	2.03816E-06	6.9524E-05	0.000227067	0.001353186	0
2029 Nov	0.000887081	0.091367573	1.01774E-05	1.057245016	1.605438709	0.010901862	0.00041472	3.816455841	0.001004194	0.0104422	5.18116E-05	6.75884E-05	4.32976E-05	0.066372029	2.03549E-06	7.17725E-05	0.000223552	0.001323643	0
2029 Dec	0.000887723	0.091408275	1.01805E-05	1.057850718	1.606689692	0.010901253	0.000415401	3.819377184	0.001004536	0.010449262	5.17254E-05	6.74608E-05	4.33024E-05	0.066421069	2.03609E-06	7.18463E-05	0.000223547	0.001323414	0
2030 Jan	0.000888518	0.091604903	1.01802E-05	1.059464574	1.611264467	0.011029639	0.000415505	3.825781822	0.001005607	0.010452868	5.22952E-05	6.75186E-05	4.33572E-05	0.066593878	2.03605E-06	7.18822E-05	0.000224775	0.001323341	0
2030 Feb	0.00088959	0.091882519	1.01818E-05	1.06171751	1.617414951	0.011207655	0.000415467	3.834361553	0.001007228	0.010457887	5.31247E-05	6.76778E-05	4.34434E-05	0.066827245	2.03637E-06	7.19201E-05	0.000226516	0.001323774	0
2030 Mar	0.000890568	0.092074424	1.01872E-05	1.063415051	1.62148118	0.011309543	0.000415631	3.840733528	0.001008557	0.01046526	5.35999E-05	6.77945E-05	4.35095E-05	0.066983953	2.03744E-06	7.19727E-05	0.000227565	0.001324598	0
2030 Apr	0.000892821	0.092359237	1.02097E-05	1.066408277	1.62688911	0.011389258	0.000416516	3.851681471	0.001011235	0.010489386	5.39733E-05	6.79901E-05	4.36301E-05	0.067200914	2.04194E-06	7.21396E-05	0.000228596	0.001327589	0
2030 May	0.000908049	0.09404996	1.03786E-05	1.085287452	1.65732646	0.011690896	0.000423194	3.919840336	0.001028895	0.010664459	5.58185E-05	6.92873E-05	4.4444E-05	0.068445191	2.07572E-06	7.33401E-05	0.000233588	0.001350081	0
2030 Jun	0.000656315	0.087006934	9.88263E-06	0.922948539	1.31509316	0.016650114	0.000154174	2.822535515	0.001006551	0.009175549	0.000114805	0.000199221	4.46152E-05	0.054176256	1.97653E-06	5.35857E-05	0.000466613	0.001931087	0
2030 Jul	0.00066135	0.085501812	9.94128E-06	0.884111643	1.21690917	0.014110209	0.000127657	2.712738991	0.00098042	0.008977043	0.000104223	0.000187651	4.29729E-05	0.050287876	1.98826E-06	5.015E-05	0.00040246	0.001864379	0
2030 Aug	0.000741309	0.089758016	1.03307E-05	0.939724028	1.311070561	0.013371021	0.000172542	3.042431116	0.001006213	0.009285429	0.00010188	0.000152503	4.53335E-05	0.054436415	2.06614E-06	5.27715E-05	0.000319527	0.001715058	0
2030 Sep	0.000778414	0.091647513	1.06029E-05	0.986714721	1.38872993	0.013361497	0.000215508	3.249229193	0.001035542	0.009639495	9.5729E-05	0.000142707	4.68662E-05	0.057857562	2.12058E-06	5.66795E-05	0.000308857	0.001700157	0
2030 Oct	0.00084006	0.091720991	1.03327E-05	1.025072813	1.515840769	0.012033176	0.000330798	3.56310463	0.001016587	0.010160952	7.05867E-05	0.000102575	4.43339E-05	0.062699378	2.06654E-06	6.5918E-05	0.000270956	0.001498077	0
2030 Nov	0.000864554	0.091857821	1.0242E-05	1.04090929	1.566088438	0.011541153	0.000375134	3.686968088	0.001010569	0.010371764	6.10872E-05	8.74005E-05	4.34213E-05	0.064619258	2.0484E-06	6.95176E-05	0.000256831	0.001422829	0
2030 Dec	0.000865195	0.091889873	1.0244E-05	1.041481256	1.56733501	0.01153774	0.000375905	3.689984083	0.001010812	0.010378238	6.09684E-05	8.72073E-05	4.34222E-05	0.064668454	2.0488E-06	6.95929E-05	0.000256709	0.001422195	0
2031 Jan	0.000866044	0.092088453	1.02437E-05	1.043148756	1.572041035	0.011666549	0.000376082	3.696712494	0.00101189	0.010382073	6.15287E-05	8.72316E-05	4.34776E-05	0.064846724	2.04875E-06	6.96336E-05	0.000257894	0.001421956	0
2031 Feb	0.000866997	0.092353091	1.02436E-05	1.045261145	1.578020692	0.011844048	0.000376009	3.704853296	0.001013351	0.010385435	6.235E-05	8.7363E-05	4.35572E-05	0.065072909	2.04871E-06	6.96617E-05	0.000259586	0.001422079	0
2031 Mar	0.000867761	0.092523351	1.02463E-05	1.046707153	1.581724644	0.011944121	0.000376076	3.710334778	0.001014434	0.010390197	6.28151E-05	8.74592E-05	4.36129E-05	0.065214537	2.04927E-06	6.96967E-05	0.000260581	0.001422547	0
2031 Apr	0.000872295	0.093057595	1.02963E-05	1.052476287	1.591311455	0.012057762	0.000377889	3.730988503	0.001019843	0.010441978	6.33778E-05	8.79272E-05	4.38506E-05	0.065603457	2.05926E-06	7.00458E-05	0.000262381	0.001429531	0
2031 May	0.000943945	0.115954787	1.04028E-05	1.231907368	2.086438656	0.0274707	0.000355473	4.376832008	0.001156211	0.010761239	0.000202983	0.0001113	5.78833E-05	0.08431825	2.08057E-06	7.18552E-05	0.000427523	0.001512123	0
2031 Jun	0.000941042	0.156609133	1.00178E-05	1.492289186	2.898715258	0.061436113	0.000170891	5.071909428	0.001393305	0.010339943	0.000518172	0.000218009	8.57079E-05	0.114259839	2.00355E-06	6.38956E-05	0.00087221	0.001907843	0
2031 Jul	0.000923021	0.146703869	1.06495E-05	1.416766286	2.610227346	0.052041546	0.00016869	4.732060432	0.00136702	0.010622079	0.000435027	0.000223693	7.92003E-05	0.103541277	2.12991E-06	6.40671E-05	0.000795648	0.002019828	0
2031 Aug	0.000918529	0.132276267	1.07531E-05	1.331838131	2.329044342	0.041049697	0.000215975	4.522901535	0.001284823	0.010373922	0.000337911	0.00017646	7.21112E-05	0.093666688	2.15062E-06	6.31829E-05	0.000606678	0.001816623	0
2031 Sep	0.000905117	0.108305767	1.02776E-05	1.214993954	2.004575729	0.025356565	0.000370325	4.304713726	0.001133471	0.010286552	0.000179011	9.87386E-05	5.82542E-05	0.08218126	2.05552E-06	6.96433E-05	0.000379181	0.001452741	0
2031 Oct	0.000941936	0.097072221	9.90201E-06	1.137235761	1.847933769	0.014730569	0.000498831	4.225112438	0.001026293	0.010864027	7.32643E-05	4.64971E-05	4.54612E-05	0.075622469	1.9804E-06	7.93971E-05	0.000255402	0.001202424	0
2031 Nov	0.000947458	0.096824087	9.91859E-06	1.137257099	1.846321106	0.014207743	0.000507684	4.236573696	0.001024299	0.010936033	6.77873E-05	4.38298E-05	4.49354E-05	0.075548396	1.98372E-06	8.02242E-05	0.000249625	0.001193305	0
2031 Dec	0.000947868	0.09684141	9.92164E-06	1.13754952	1.846745968	0.01419556	0.000508082	4.238007545	0.001024502	0.010941018	6.76388E-05	4.37603E-05	4.4931E-05	0.075565532	1.98433E-06	8.02698E-05	0.000249514	0.001193335	0
2032 Jan	0.000948631	0.097044982	9.92207E-06	1.139160991	1.85126102	0.014328031	0.00050803	4.244204521	0.001025638	0.010944189	6.82244E-05	4.38681E-05	4.49879E-05	0.075736053	1.98441E-06	8.02942E-05	0.000250794	0.001193523	0
2032 Feb	0.000949577	0.097325392	9.92219E-06	1.141343832	1.857432246	0.014516729	0.000507822	4.252442837	0.001027201	0.010947267	6.9103E-05	4.40524E-05	4.50722E-05	0.075969175	1.98444E-06	8.03141E-05	0.000252625	0.001193881	0
2032 Mar	0.000950416	0.097510621	9.92568E-06	1.142917991	1.861410856	0.014623813	0.000507884	4.258364677	0.0010284	0.010952705	6.96021E-05	4.41674E-05	4.51333E-05	0.076121472	1.98514E-06	8.03526E-05	0.000253702	0.001194487	0

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.000953415	0.097873539	9.95406E-06	1.146839142	1.86858511	0.014722433	0.000509272	4.273005962	0.001031807	0.010984904	7.00656E-05	4.4349E-05	4.52876E-05	0.076409057	1.99081E-06	8.0588E-05	0.000254978	0.001198005	0
2032 May	0.000970109	0.100694247	1.00952E-05	1.173386216	1.924684405	0.015955281	0.000513158	4.368566036	0.001054647	0.011145861	8.04908E-05	4.69529E-05	4.68298E-05	0.078602225	2.01904E-06	8.16697E-05	0.000269789	0.001221585	0
2032 Jun	0.000678705	0.091664203	9.81871E-06	0.965178788	1.439739227	0.019801134	0.000167116	3.004309416	0.001029523	0.009283608	0.000141216	0.000197081	4.71718E-05	0.058889892	1.96374E-06	5.52051E-05	0.000495116	0.001908521	0
2032 Jul	0.000677048	0.084547907	9.67834E-06	0.863282919	1.198700547	0.012939143	0.000134604	2.735203743	0.000943486	0.008720415	0.000101049	0.000160267	4.17267E-05	0.049476281	1.93567E-06	4.85272E-05	0.00033521	0.001691529	0
2032 Aug	0.000750588	0.085140191	1.00305E-05	0.948413134	1.326479793	0.011890985	0.000227235	3.190420628	0.000974638	0.008916294	8.36282E-05	0.000110702	4.57686E-05	0.055898331	2.0061E-06	5.29687E-05	0.000230723	0.001485969	0
2032 Sep	0.000785132	0.084870338	1.02056E-05	1.005396485	1.41958034	0.011550502	0.000298203	3.457602501	0.000998661	0.009194753	6.84545E-05	9.02647E-05	4.76167E-05	0.060326964	2.04111E-06	5.79429E-05	0.000204242	0.001418717	0
2032 Oct	0.000816068	0.086555652	1.02421E-05	1.027457714	1.479337811	0.011360209	0.000336267	3.587490559	0.001004972	0.009545067	6.2573E-05	8.18652E-05	4.69388E-05	0.062491346	2.04842E-06	6.20021E-05	0.000204575	0.00138746	0
2032 Nov	0.000830515	0.08718773	1.0225E-05	1.036120415	1.507602096	0.011211042	0.000356501	3.647556067	0.001004833	0.009707545	5.90248E-05	7.68256E-05	4.63836E-05	0.063482255	2.04501E-06	6.40638E-05	0.000204009	0.00136472	0
2032 Dec	0.000842417	0.087494306	1.01638E-05	1.040990829	1.531380415	0.011004834	0.000376568	3.696219921	0.001000453	0.009839854	5.49942E-05	7.11304E-05	4.55965E-05	0.064271145	2.03275E-06	6.59916E-05	0.000202548	0.001334735	0
2033 Jan	0.000844066	0.087876722	1.01636E-05	1.044084072	1.540216684	0.011245243	0.000376893	3.708668709	0.001002488	0.009848724	5.60525E-05	7.12286E-05	4.56924E-05	0.064602777	2.03271E-06	6.60786E-05	0.000204921	0.001334584	0
2033 Feb	0.000846021	0.088389672	1.01652E-05	1.048183203	1.551618218	0.011576451	0.000376826	3.724394083	0.001005393	0.009857661	5.75916E-05	7.15119E-05	4.58444E-05	0.0650336	2.03305E-06	6.61489E-05	0.000208178	0.001335205	0
2033 Mar	0.00084804	0.088768937	1.01776E-05	1.051599145	1.559583306	0.011770107	0.000377214	3.737164497	0.00100811	0.009873636	5.84958E-05	7.1747E-05	4.59788E-05	0.065341786	2.03552E-06	6.62617E-05	0.000210189	0.001337048	0
2033 Apr	0.000853883	0.08947669	1.02409E-05	1.059366941	1.572762966	0.01194601	0.000379521	3.765130997	0.001015237	0.009937356	5.93367E-05	7.2278E-05	4.631E-05	0.065879367	2.04818E-06	6.66925E-05	0.000212502	0.001345493	0
2033 May	0.001039506	0.15462175	1.01976E-05	1.542274833	2.970564365	0.056634061	0.00029925	5.5011549	0.001378565	0.010712059	0.000467273	0.000144433	8.46481E-05	0.118074298	2.03952E-06	7.09018E-05	0.000708243	0.001572106	0
2033 Jun	0.000863474	0.1444401	9.64341E-06	1.378540039	2.630275726	0.055688433	0.00014244	4.611679077	0.001310828	0.009772004	0.000468527	0.000219582	7.91909E-05	0.103855938	1.92868E-06	5.92588E-05	0.000824711	0.001895039	0
2033 Jul	0.000823974	0.126491562	1.01223E-05	1.231168032	2.162535906	0.040788613	0.000144099	4.045205593	0.001223195	0.009805558	0.000339397	0.000208282	6.75315E-05	0.086275913	2.02446E-06	5.76379E-05	0.000668327	0.001916428	0
2033 Aug	0.000871752	0.128087536	1.06675E-05	1.261237144	2.171121836	0.038669225	0.000169223	4.187704086	0.001251855	0.010218258	0.000321554	0.000197332	6.81746E-05	0.087037884	2.13349E-06	6.01625E-05	0.00062234	0.001914317	0
2033 Sep	0.000900297	0.106512688	1.01913E-05	1.174751639	1.931651473	0.023078924	0.00036945	4.160853386	0.001105908	0.010456142	0.000160199	0.000102888	5.41364E-05	0.078742832	2.03826E-06	7.08044E-05	0.000381064	0.001470964	0
2033 Oct	0.000948395	0.093894936	9.78041E-06	1.109416008	1.79408288	0.011741045	0.000528715	4.173007965	0.000993908	0.011016373	4.43343E-05	3.46468E-05	4.15665E-05	0.073300056	1.95608E-06	8.18239E-05	0.000225641	0.001143786	0
2033 Nov	0.000959754	0.093831427	9.83555E-06	1.114390612	1.79994607	0.011065917	0.000544102	4.209349632	0.000994709	0.011148416	3.67913E-05	3.02768E-05	4.1061E-05	0.073551752	1.96711E-06	8.32734E-05	0.000216936	0.001131154	0
2033 Dec	0.000960249	0.093871169	9.84017E-06	1.114904761	1.800760627	0.011065685	0.000544448	4.211421013	0.000995142	0.011154165	3.67515E-05	3.02576E-05	4.10749E-05	0.07358513	1.96803E-06	8.33198E-05	0.000216965	0.001131545	0
2034 Jan	0.000960923	0.09406051	9.84077E-06	1.116404772	1.804924488	0.011190535	0.000544344	4.217087746	0.000996224	0.01115675	3.73318E-05	3.03777E-05	4.11329E-05	0.073742837	1.96815E-06	8.33373E-05	0.000218176	0.001131827	0
2034 Feb	0.00096179	0.094316579	9.84131E-06	1.11841166	1.810533524	0.011361968	0.000544146	4.224609852	0.000997679	0.011159711	3.81438E-05	3.0555E-05	4.1213E-05	0.073955141	1.96826E-06	8.33554E-05	0.000219845	0.001132242	0
2034 Mar	0.00096261	0.094490163	9.84515E-06	1.119909167	1.814243555	0.011459475	0.000544235	4.230234146	0.000998832	0.011165354	3.86E-05	3.06627E-05	4.12715E-05	0.074097514	1.96903E-06	8.33953E-05	0.000220834	0.001132877	0
2034 Apr	0.000967857	0.095058449	9.89622E-06	1.126323938	1.825370789	0.011572164	0.000546986	4.25444746	0.001004449	0.011223995	3.90527E-05	3.08765E-05	4.15098E-05	0.074546739	1.97924E-06	8.38321E-05	0.000222496	0.001138862	0
2034 May	0.001033405	0.120980509	1.00677E-05	1.319409132	2.355360031	0.029403811	0.00049284	4.907346249	0.001162545	0.011447066	0.000203917	6.70243E-05	5.80033E-05	0.094554551	2.01355E-06	8.35472E-05	0.000419017	0.001279354	0
2034 Jun	0.000922428	0.154687449	9.81675E-06	1.471440196	2.866827011	0.061191574	0.000164203	4.993321419	0.001373825	0.010153393	0.000516247	0.000217742	8.47494E-05	0.112934239	1.96335E-06	6.27239E-05	0.000871248	0.001888522	0
2034 Jul	0.000831925	0.119820215	1.01116E-05	1.169783115	1.998109102	0.034496121	0.000159994	3.904625177	0.001165499	0.009688507	0.000289626	0.000178964	6.24555E-05	0.080034912	2.02231E-06	5.66426E-05	0.000554655	0.001772649	0
2034 Aug	0.000885145	0.122827359	1.07687E-05	1.225511312	2.053656101	0.033490382	0.000192977	4.124700546	0.001215923	0.010207671	0.000278162	0.000172303	6.47113E-05	0.082807265	2.15374E-06	6.02763E-05	0.000527826	0.001805412	0
2034 Sep	0.000919907	0.106983028	1.02896E-05	1.166182876	1.910869122	0.021598553	0.000374968	4.160237789	0.001099601	0.010634247	0.000150351	9.71755E-05	5.25849E-05	0.077712171	2.05791E-06	7.17597E-05	0.000359116	0.001449685	0
2034 Oct	0.000948719	0.094845153	9.82506E-06	1.111071348	1.797420859	0.012202499	0.000517864	4.167982578	0.000999646	0.011007965	5.04034E-05	3.82345E-05	4.20726E-05	0.073379338	1.96501E-06	8.11691E-05	0.000231503	0.001161535	0
2034 Nov	0.000954756	0.094829559	9.85613E-06	1.114478707	1.80193162	0.011877492	0.000526403	4.189607143	0.001000635	0.011079643	4.65404E-05	3.59999E-05	4.18543E-05	0.073575795	1.97123E-06	8.19719E-05	0.000227425	0.001155593	0
2034 Dec	0.000955314	0.094872221	9.86124E-06	1.115054369	1.802841663	0.011876153	0.000526818	4.191953659	0.001001109	0.011086147	4.64816E-05	3.597E-05	4.18688E-05	0.073613212	1.97225E-06	8.20257E-05	0.000227444	0.001155994	0
2035 Jan	0.000955955	0.095049419	9.86172E-06	1.11646843	1.806771874	0.011993047	0.000526744	4.197328091	0.001002119	0.01108864	4.70156E-05	3.60745E-05	4.19222E-05	0.073762119	1.97234E-06	8.20438E-05	0.000228573	0.001156215	0
2035 Feb	0.000956813	0.095294431	9.86254E-06	1.118407369	1.812145233	0.012155237	0.000526588	4.204611301	0.001003526	0.011091871	4.77788E-05	3.62392E-05	4.19989E-05	0.073965713	1.97251E-06	8.20647E-05	0.000230154	0.001156628	0
2035 Mar	0.000957503	0.095450148	9.86528E-06	1.119724035	1.815495729	0.012246498	0.000526626	4.209558487	0.001004527	0.011096206	4.8206E-05	3.63374E-05	4.20504E-05	0.074093901	1.97306E-06	8.20952E-05	0.000231069	0.001157121	0
2035 Apr	0.000962085	0.095956579	9.90999E-06	1.125373721	1.825350404	0.012352185	0.00052895	4.230796814	0.001009492	0.011147217	4.86609E-05	3.65524E-05	4.22638E-05	0.074491195	1.982E-06	8.24716E-05	0.000232603	0.001162464	0
2035 May	0.001000415	0.106916338	1.01123E-05	1.213253856	2.048652411	0.019126896	0.000517317	4.535226345	0.001082318	0.011391826	0.000110183	5.01878E-05	4.89569E-05	0.083002992	2.02247E-06	8.3609E-05	0.000308517	0.001229693	0
2035 Jun	0.000677126	0.10024491	9.68736E-06	1.01480937	1.605220318	0.0270226	0.000122276	3.139853239	0.00107399	0.00911137	0.000210259	0.000217181	5.30324E-05	0.064939894	1.93747E-06	5.26771E-05	0.000581347	0.001971336	0
2035 Jul	0.000658729	0.090313964	1.01452E-05	0.932813585	1.322689772	0.017992929	0.000117786	2.805887699	0.00103421	0.009230024	0.000132829	0.000215072	4.65024E-05	0.05437088	2.02904E-06	5.17986E-05	0.00049117	0.002022404	0
2035 Aug	0.000718396	0.088749081	1.0405E-05	0.998814464	1.408189535	0.016045136	0.000207485	3.186305761	0.001049982	0.009319581	0.000107187	0.00016513	4.94094E-05	0.059150524	2.081E-06	5.55448E-05	0.000379336	0.001809317	0
2035 Sep	0.000855136	0.086894624	9.93998E-06	1.065998673	1.614601731	0.011292922	0.000441119	3.835734129	0.000996794	0.010145937	4.39863E-05	6.24302E-05	4.44126E-05	0.067441516	1.988E-06	7.19073E-05	0.000225683	0.001292829	0
2035 Oct	0.000925404	0.090088822	9.8552E-06	1.091331124	1.717830539	0.010083656	0.000520311	4.072783947	0.000986611	0.010832507	2.85104E-05	3.62989E-05	4.12347E-05	0.070784017	1.97104E-06	8.00599E-05	0.000205791	0.001164812	0
2035 Nov	0.0009356	0.090184353	9.75885E-06	1.08920157	1.730062604	0.009708933	0.000535805	4.099892139	0.000976547	0.010918404	2.4485E-05	2.95927E-05	4.0137E-05	0.071063936	1.95177E-06	8.1452E-05	0.000199321	0.001124397	0
2035 Dec	0.000936446	0.090254664	9.7651E-06	1.090008974	1.73154366	0.00971161	0.000536412	4.103377819	0.000977167	0.010927862	2.44526E-05	2.95302E-05	4.01538E-05	0.071121939	1.95302E-06	8.15321E-05	0.000199391	0.001124745	0
2036 Jan	0.00093738	0.090516113	9.76573E-06	1.092058539	1.737279177	0.009883448	0.00053627	4.111152649	0.000978639	0.010931487	2.52658E-05	2.96935E-05	4.02332E-05	0.071338616	1.95315E-06	8.15569E-05	0.000201064	0.001125102	0
2036 Feb	0.000938553	0.090866819	9.76612E-06	1.094785929	1.744960666	0.01011929	0.000535984	4.12139225	0.000980608	0.010935309	2.63906E-05	2.99358E-05	4.0342E-05	0.071628921	1.95322E-06	8.15801E-05	0.000203361	0.001125627	0
2036 Mar	0.000939202	0.091058023	9.76647E-06	1.096278548	1.749144793	0.01024712	0.000535837	4.126995564	0.000981688	0.010937539	2.69999E-05	3.00674E-05	4.04016E-05	0.071787134	1.95329E-06	8.15938E-05	0.000204607	0.001125928	0
2036 Apr	0.00094903	0.092921019	9.82331E-06	1.112967014	1.788559914	0.011210955	0.000537777	4.18971014	0.000994815	0.011014213	3.14726E-05	3.11685E-05	4.10487E-05	0.07330896	1.96466E-06	8.21451E-05	0.000214586	0.001134327	0
2036 May	0.000983504	0.099394158	1.00519E-05	1.171310425	1.922653794	0.0144566	0.000544087	4.404933929	0.001042207	0.011301618	5.11785E-05	3.59651E-05	4.38152E-05	0.078498878	2.01037E-06	8.41317E-05	0.000249868	0.001171704	0
2036 Jun	0.00069193	0.094899282	9.85809E-06	0.991661787	1.509849906	0.021766992	0.000167426	3.103210449	0.001049444	0.009368794	0.000156998	0.000199573	4.88322E-05	0.061545644	1.97162E-06	5.5831E-05	0.000516224	0.00191942	0
2036 Jul	0.000698969	0.088683933	1.00757E-05	0.909291923	1.273949265	0.014485837	0.000140705	2.861132145	0.000993043	0.009127794	0.000110887	0.000174628	4.40996E-05	0.052512832	2.01514E-06	5.11644E-05	0.000376713	0.001803193	0
2036 Aug	0.000761627	0.093491875	1.0642E-05	0.972271442	1.366715789	0.014559124	0.000172242	3.133741617	0.001043102	0.00960512	0.000111459	0.000163299	4.70152E-05	0.056580253	2.12841E-06	5.45112E-05	0.000348995	0.001796839	0
2036 Sep	0.000807976	0.091224805	1.04562E-05	1.018002987	1.472939968	0.013051803	0.000284305	3.452803612	0.001030931	0.009864612	8.29325E-05	0.000119754	4.64472E-05	0.061336011	2.09124E-06	6.1709E-05	0.000289007	0.001587547	0
2036 Oct	0.000894469	0.091508262	1.00757E-05	1.064387321	1.63874042	0.010985998	0.000439635	3.864740372	0.001000907	0.010607521	4.77422E-05	6.49731E-05	4.23988E-05	0.067499749	2.01513E-06	7.43898E-05	0.000236138	0.001309323	0
2036 Nov	0.000906275	0.091523297	1.002E-05	1.070562601	1.661393046	0.010695367	0.00046115	3.921076775	0.000996458	0.01070815	4.28287E-05	5.73266E-05	4.18237E-05	0.068340123	2.004E-06	7.6136E-05	0.000228712	0.001270226	0
2036 Dec	0.000909563	0.091477059	9.9965E-06	1.071949363	1.667744279	0.010596021	0.000467805	3.936989307	0.000994472	0.010734507	4.12261E-05	5.48379E-05	4.16156E-05	0.068571992	1.9993E-06	7.66545E-05	0.000226198	0.001256956	0
2037 Jan	0.000910837	0.091800809	9.99712E-06	1.074583173	1.675085664	0.010806116	0.000467847	3.947250605	0.000996289	0.01074006	4.21842E-05	5.49706E-05	4.17114E-05	0.068850018	1.99942E-06	7.67028E-05	0.000228198	0.001257085	0
2037 Feb	0.000912407	0.092236079	9.9984E-06	1.078049421	1.684712648	0.011092925	0.000467653	3.960396528	0.000998773	0.010746215	4.35327E-05	5.52348E-05	4.18465E-05	0.069214687	1.99968E-06	7.67468E-05	0.000230979	0.001257676	0
2037 Mar	0.000914293	0.092577942	1.00104E-05	1.081159234	1.691872954	0.011262159	0.000468074	3.972046137	0.001001256	0.010761698	4.43187E-05	5.54415E-05	4.19675E-05	0.069492005	2.00207E-06	7.68573E-05	0.000232758	0.001259416	0
2037 Apr	0.000917782	0.093017355	1.00436E-05	1.085786939	1.700424552	0.011388505	0.000469549	3.98917532	0.001005315	0.010798925	4.48845E-05	5.57058E-05	4.21473E-05	0.069833666	2.00872E-06	7.71232E-05	0.000234389	0.001263732	0
2037 May	0.001079971	0.159902081	1.00474E-05	1.57976985	3.112319231	0.058916356	0.00033979	5.70339489	0.001390291	0.011163098	0.000483465	0.000139721	8.45297E-05	0.122912563	2.00947E-06	7.62933E-05	0.000747848	0.001536929	0
2037 Jun	0.000901552	0.152229607	9.70356E-06	1.445222735	2.809364319	0.060323894	0.000151474	4.882248402	0.001355528	0.00997255	0.000509658	0.000219621	8.35892E-05	0.110680394	1.94071E-06	6.11003E-05	0.000864891	0.001888179	0
2037 Jul	0.000853034	0.133292824	1.02629E-05	1.292136312	2.314210176	0.044854734	0.000149132	4.265202522	0.001270731	0.010047625	0.00037402	0.000215222	7.15263E-05	0.092092276	2.05258E-06	5.95485E-05	0.000717026	0.001956152	0
2037 Aug	0.000881599	0.130723685	1.06519E-05	1.305130839	2.276688814	0.041343864	0.000187047	4.352854729	0.001277825	0.0102612	0.000339949	0.000196681	7.113E-05	0.091380045	2.13038E-06	6.16369E-05	0.000648569	0.001911037	0
2037 Sep	0.000903304	0.123176329	1.07013E-05	1.287907481	2.193021536	0.035140116	0.000267073	4.390210629	0.001240088	0.010473073	0.00027555	0.00016158	6.67418E-05	0.088768005	2.14026E-06	6.62374E-05	0.000551075	0.001769177	0
2037 Oct	0.000931794	0.10814894	1.02415E-05	1.198665738	1.993023276	0.022864997	0.000409177	4.297306061	0.001113545	0.010813427	0.000153696	9.42126E-05	5.35561E-05	0.081009768	2.0483E-06	7.49716E-05	0.000380725	0.001440267	0
2037 Nov	0.000939296	0.106251858	1.02073E-05	1.189311147	1.96967721	0.021090422	0.000432035	4.298043251	0.001098267	0.010901958	0.000135828	8.4366E-05	5.17495E-05	0.080116846	2.04146E-06	7.65478E-05	0.000356316	0.001395561	0
2037 Dec	0.000940059	0.106278054	1.0213E-05	1.189864516	1.970421791	0.021065025	0.000432811	4.30079937	0.001098633	0.010910844	0.000135524	8.42043E-05	5.17429E-05	0.080148362	2.04261E-06	7.66311E-05	0.000356009	0.001395472	0
2038 Jan	0.000940791	0.106450461	1.02132E-05	1.191275835	1.974381089	0.021174774	0.000432902	4.306455612	0.001099572	0.010914062	0.000135946	8.4236E-05	5.17845E-05	0.080298193	2.04264E-06	7.66614E-05	0.000357004	0.001395335	0
2038 Feb	0.000941679	0.106698155	1.02133E-05	1.193233132	1.979896307	0.021339562	0.000432793	4.313955784	0.001100947	0.010917176	0.000136683	8.43689E-05	5.1856E-05	0.080506779	2.04267E-06	7.66848E-05	0.000358572	0.001395519	0
2038 Mar	0.000942371	0.106856808	1.02157E-05	1.194564223	1.983341575	0.021434139	0.00043283	4.318999767	0.001101941	0.010921288	0.000137114	8.446E-05	5.19065E-05	0.080638312	2.04314E-06	7.67145E-05	0.000359506	0.001395928	0
2038 Apr	0.000945566	0.10726478	1.02474E-05	1.198872805	1.991198897	0.021551738	0.000434136	4.334709167	0.001105782	0.010956086	0.000137768	8.4763E-05	5.20895E-05	0.080952913	2.04948E-06	7.69594E-05	0.000361107	0.001400309	0
2038 May	0.001018907	0.133893088	1.0318E-05	1.398330092	2.55240202	0.0398762	0.00039099	5.038294315	0.001260562	0.011196743	0.000306353	0.0001154	6.86024E-05	0.10207843	2.0636E-06	7.7471E-05	0.00055701	0.001503496	0
2038 Jun	0.00094478	0.159996659	9.92121E-06	1.516054511	2.978752613	0.064330168	0.000163261	5.15687418	0.00140885	0.010292363	0.000544505	0.000221968	8.79477E-05	0.117227383	1.98424E-06	6.35844E-05	0.000903216	0.001910378	0
2038 Jul	0.000920868	0.149146244	1.06643E-05	1.436635375	2.663702965	0.054188218	0.000160155	4.775597572	0.001386861	0.01065493	0.000452957	0.000233913	8.0971E-05	0.105550878	2.13286E-06	6.41601E-05	0.000833137	0.002069507	0
2038 Aug	0.000941878	0.141753197	1.10784E-05	1.430814743	2.551621199	0.047703337	0.000217513	4.81186676	0.001374015	0.010783198	0.00038949	0.000203397	7.8931E-05	0.102405213	2.21567E-06	6.63439E-05	0.000717448	0.001978353	0
2038 Sep	0.000945965	0.126954749	1.08073E-05	1.346825838	2.329322815	0.036760055	0.000317318	4.660171032	0.001270314	0.010848531	0.000282709	0.000150704	6.87536E-05	0.094223022	2.16145E-06	7.106E-05	0.000560526	0.00173138	0
2038 Oct	0.000958638	0.113786928	1.04507E-05	1.257931113	2.124191046	0.026168838	0.00041737	4.505642891	0.001161294	0.0110499	0.000180573	0.000100035	5.74498E-05	0.086223498	2.09015E-06	7.68447E-05	0.000418977	0.001484103	0
2038 Nov	0.00096234	0.113255836	1.04584E-05	1.255808949	2.116967916	0.025546432	0.000425235	4.508881569	0.001157551	0.011096232	0.000174356	9.69819E-05	5.68737E-05	0.085951924	2.09168E-06	7.7457E-05	0.000410865	0.00147218	0
2038 Dec	0.000962742	0.113203779	1.04594E-05	1.255618691	2.116272688	0.025483061	0.000426052	4.509313583	0.001157193	0.011101236	0.000173721	9.66705E-05	5.68158E-05	0.085925929	2.09188E-06	7.75216E-05	0.000410041	0.001470988	0
2039 Jan	0.000963483	0.113376968	1.0459E-05	1.25701499	2.120281219	0.025593994	0.000426157	4.515017033	0.001158089	0.01110422	0.000174109	9.66809E-05	5.6851E-05	0.086077064	2.09179E-06	7.75518E-05	0.00041102	0.001470679	0
2039 Feb	0.000964408	0.113637619	1.04587E-05	1.259057283	2.126101017	0.025768565	0.000426037	4.522890091	0.001159508	0.011110721	0.000174871	9.68119E-05	5.69229E-05	0.086296797	2.09174E-06	7.75748E-05	0.000412666	0.00147078	0

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.000965708	0.113873638	1.04672E-05	1.261211157	2.131030798	0.02588506	0.000426323	4.530919075	0.001161239	0.011118015	0.000175431	9.69633E-05	5.70091E-05	0.086487919	2.09343E-06	7.76514E-05	0.000413905	0.00147205	0
2039 Apr	0.000969038	0.114313394	1.05E-05	1.265818834	2.139553547	0.026020911	0.000427628	4.54763937	0.001165338	0.011153962	0.00017622	9.73094E-05	5.72111E-05	0.086828686	2.10001E-06	7.79032E-05	0.000415721	0.001476717	0
2039 May	0.000987793	0.11748866	1.06623E-05	1.295742512	2.202372313	0.027402205	0.000431859	4.654772282	0.001191269	0.011336509	0.000187905	0.000100374	5.89536E-05	0.089286804	2.13245E-06	7.91184E-05	0.000432503	0.001504265	0
2039 Jun	0.000655958	0.088218793	9.88423E-06	0.934345365	1.34568572	0.017744003	0.000152543	2.851723671	0.001016665	0.009202884	0.000123367	0.000203852	4.54937E-05	0.05533788	1.97685E-06	5.38542E-05	0.00048587	0.001953817	0
2039 Jul	0.000713722	0.087171696	9.87385E-06	0.88402009	1.235913634	0.012701929	0.00014612	2.860537291	0.000955849	0.008894074	0.000102716	0.00014823	4.25317E-05	0.050972737	1.97477E-06	4.94791E-05	0.000304677	0.001642214	0
2039 Aug	0.000846516	0.091599487	1.03029E-05	0.975412786	1.395316243	0.010788527	0.00024636	3.462790251	0.000977559	0.009180344	9.01695E-05	6.925E-05	4.63722E-05	0.05834695	2.06058E-06	5.37211E-05	0.000124968	0.001274896	0
2039 Sep	0.000879526	0.092016235	1.04017E-05	1.027428269	1.500102282	0.010668947	0.000323839	3.699472666	0.000999472	0.00967972	7.39539E-05	5.83494E-05	4.66306E-05	0.062760882	2.08034E-06	6.08943E-05	0.000135197	0.00125469	0
2039 Oct	0.000904502	0.092224553	1.0268E-05	1.049953699	1.575723767	0.010341727	0.000387786	3.841161251	0.000996455	0.010106417	5.99181E-05	4.85334E-05	4.48183E-05	0.065486506	2.05361E-06	6.72594E-05	0.000150294	0.001213139	0
2039 Nov	0.00090823	0.092532277	1.02974E-05	1.05408144	1.583213925	0.010365373	0.000391034	3.858098745	0.000999617	0.01015265	5.9679E-05	4.83878E-05	4.49086E-05	0.065784872	2.05949E-06	6.76763E-05	0.000151253	0.001215815	0
2039 Dec	0.000908939	0.092588477	1.03026E-05	1.054859877	1.584669709	0.010369264	0.000391704	3.861353874	0.001000188	0.010161586	5.96181E-05	4.83491E-05	4.49227E-05	0.065842502	2.06052E-06	6.776E-05	0.000151446	0.00121625	0
2040 Jan	0.00090949	0.092730142	1.03023E-05	1.056037664	1.588030577	0.010463614	0.000391809	3.865960598	0.001000971	0.010164546	6.00238E-05	4.84156E-05	4.49605E-05	0.065969124	2.06045E-06	6.77911E-05	0.000152433	0.001216328	0
2040 Feb	0.00091019	0.092926338	1.03025E-05	1.057610393	1.592443943	0.010594361	0.00039176	3.871934175	0.001002083	0.010167526	6.06264E-05	4.85392E-05	4.50193E-05	0.066135935	2.06049E-06	6.78154E-05	0.000153744	0.001216601	0
2040 Mar	0.000911401	0.093117483	1.0312E-05	1.059428334	1.596288562	0.010674831	0.000392091	3.878706932	0.0010036	0.010178431	6.10081E-05	4.86504E-05	4.50922E-05	0.066286698	2.0624E-06	6.78905E-05	0.000154594	0.00121786	0
2040 Apr	0.00091456	0.09347783	1.03454E-05	1.06332922	1.602782726	0.010748805	0.000393345	3.893053293	0.001007182	0.010212247	6.13873E-05	4.88451E-05	4.52558E-05	0.066551402	2.06908E-06	6.81174E-05	0.00015549	0.001221881	0
2040 May	0.000971417	0.113055997	1.04389E-05	1.216113448	2.025508881	0.024076032	0.000372667	4.428270817	0.001125972	0.010520781	0.000180896	7.35355E-05	5.71078E-05	0.082472719	2.08779E-06	6.99494E-05	0.000309465	0.001318334	0
2040 Jun	0.000785452	0.125368506	9.7424E-06	1.222470403	2.180390835	0.042980336	0.000133315	3.974198341	0.001212406	0.009535526	0.000354241	0.000219648	6.78804E-05	0.086813152	1.94848E-06	5.65584E-05	0.000717457	0.001941559	0
2040 Jul	0.000743752	0.110059828	1.0207E-05	1.099003434	1.779265642	0.030563934	0.000129843	3.467267513	0.001145937	0.009607992	0.000244887	0.000218642	5.81704E-05	0.071750455	2.04141E-06	5.53467E-05	0.000603909	0.002011266	0
2040 Aug	0.000790009	0.108701974	1.05458E-05	1.115445256	1.762855411	0.027137887	0.000172372	3.615858555	0.001147081	0.00979295	0.000215256	0.000188281	5.79219E-05	0.071778782	2.10916E-06	5.72323E-05	0.00051078	0.001894776	0
2040 Sep	0.000810052	0.100732446	1.04769E-05	1.122986078	1.732688785	0.022312526	0.000267873	3.768118143	0.001114255	0.009763404	0.000159579	0.000141263	5.60565E-05	0.071788758	2.09538E-06	6.12093E-05	0.000398642	0.001682623	0
2040 Oct	0.000851846	0.099698715	1.04172E-05	1.129028678	1.758384824	0.01966021	0.000336303	3.899347544	0.001094305	0.010174609	0.000130133	0.000115878	5.28462E-05	0.07263802	2.08344E-06	6.69774E-05	0.000357092	0.001565786	0
2040 Nov	0.000858651	0.099863127	1.04395E-05	1.132783771	1.765970111	0.019431472	0.000344528	3.924087524	0.001095192	0.010246501	0.000127351	0.00011349	5.26494E-05	0.072928719	2.0879E-06	6.77771E-05	0.000353644	0.001557638	0
2040 Dec	0.000859266	0.099881515	1.04419E-05	1.133152366	1.766691208	0.019412976	0.00034524	3.926357269	0.001095316	0.010253045	0.000127121	0.000113292	5.26351E-05	0.072956592	2.08838E-06	6.78479E-05	0.000353368	0.001557018	0
2041 Jan	0.00086	0.100032493	1.04422E-05	1.134409189	1.770209193	0.019503748	0.000345446	3.931560993	0.001096122	0.010256982	0.000127476	0.000113284	5.26697E-05	0.073089316	2.08844E-06	6.7887E-05	0.000354184	0.001556768	0
2041 Feb	0.000860819	0.100241169	1.04428E-05	1.136084557	1.774868131	0.019637762	0.000345441	3.938061714	0.001097294	0.01026058	0.000128078	0.000113378	5.27296E-05	0.07326556	2.08856E-06	6.79161E-05	0.00035546	0.001556904	0
2041 Mar	0.000861877	0.100426041	1.04506E-05	1.137804031	1.778667092	0.019724736	0.000345684	3.944400311	0.001098711	0.010269826	0.000128497	0.000113509	5.27997E-05	0.073413618	2.09012E-06	6.79802E-05	0.000356409	0.001558084	0
2041 Apr	0.000864241	0.100736693	1.04764E-05	1.141109467	1.784468651	0.019814676	0.000346528	3.956074715	0.001101764	0.010296078	0.000128999	0.000113816	5.29475E-05	0.07364808	2.09527E-06	6.81556E-05	0.000357678	0.001561939	0
2041 May	0.000889139	0.106953442	1.05789E-05	1.191601157	1.914869905	0.02353159	0.000344785	4.139933109	0.001141467	0.010461497	0.000162387	0.000119611	5.65306E-05	0.078599781	2.11577E-06	6.92078E-05	0.000398209	0.00159009	0
2041 Jun	0.000656168	0.088293575	9.90846E-06	0.937760115	1.347872138	0.017904572	0.000149732	2.864251614	0.001019421	0.009146943	0.000125547	0.000202396	4.61163E-05	0.055543333	1.98169E-06	5.32596E-05	0.000479821	0.001946711	0
2041 Jul	0.000656754	0.084484853	9.8266E-06	0.870724857	1.19592309	0.01368119	0.000124743	2.680148125	0.000965665	0.00884945	0.000102258	0.000182457	4.23387E-05	0.049430322	1.96532E-06	4.92223E-05	0.000387389	0.001825445	0
2041 Aug	0.000725526	0.089022368	1.03878E-05	0.941895843	1.303013921	0.013656831	0.000168342	3.002791882	0.001015978	0.009312238	0.000100637	0.000164158	4.56528E-05	0.054233413	2.07757E-06	5.29866E-05	0.000346287	0.001785334	0
2041 Sep	0.000765432	0.088769928	1.04677E-05	0.99126631	1.393561959	0.013040615	0.000241585	3.270881414	0.001028273	0.009558032	8.50627E-05	0.000137256	4.67998E-05	0.058412198	2.09355E-06	5.7844E-05	0.000306485	0.001673848	0
2041 Oct	0.000821577	0.089966983	1.0332E-05	1.025143981	1.500270963	0.012116289	0.000328253	3.531098366	0.001019452	0.010038974	6.80627E-05	0.000107104	4.49907E-05	0.062403277	2.0664E-06	6.51981E-05	0.000278053	0.001525999	0
2041 Nov	0.000831793	0.090510651	1.03627E-05	1.03368938	1.519411922	0.012063431	0.000339795	3.577201605	0.001023012	0.010139982	6.63944E-05	0.000104084	4.4983E-05	0.06314747	2.07254E-06	6.63455E-05	0.000276002	0.001515691	0
2041 Dec	0.000832725	0.090573482	1.03678E-05	1.034565449	1.521146178	0.012063303	0.000340675	3.581355333	0.001023547	0.010149742	6.63003E-05	0.000103909	4.49953E-05	0.063216068	2.07355E-06	6.64423E-05	0.000275942	0.001515426	0
2042 Jan	0.000833639	0.090761788	1.03689E-05	1.036182165	1.525535703	0.0121762	0.000340935	3.587910891	0.001024621	0.010154972	6.67889E-05	0.00010392	4.5048E-05	0.063382745	2.07378E-06	6.64926E-05	0.000276984	0.001515307	0
2042 Feb	0.00083452	0.090995632	1.0369E-05	1.038056254	1.530815363	0.012330325	0.000340911	3.595185041	0.001025914	0.010158408	6.75E-05	0.000104024	4.51173E-05	0.063582413	2.0738E-06	6.65218E-05	0.000278447	0.001515391	0
2042 Mar	0.000835452	0.091172442	1.03747E-05	1.039640307	1.534524083	0.012421081	0.000341082	3.601098776	0.001027174	0.01016578	6.79245E-05	0.000104138	4.51796E-05	0.063725747	2.07493E-06	6.65737E-05	0.000279396	0.001516256	0
2042 Apr	0.000840703	0.091788448	1.04365E-05	1.046417475	1.545311213	0.012543129	0.000343107	3.624817848	0.001033696	0.010227406	6.85509E-05	0.000104791	4.54703E-05	0.064167611	2.0873E-06	6.69793E-05	0.000281516	0.001525314	0
2042 May	0.000894709	0.10616491	1.06143E-05	1.162775636	1.852302909	0.021508554	0.000337253	4.048723221	0.001123558	0.010553445	0.000149116	0.000118132	5.39527E-05	0.075817436	2.12285E-06	6.90872E-05	0.00037825	0.00158369	0
2042 Jun	0.000689885	0.093523845	9.98608E-06	0.981419086	1.462854385	0.020418288	0.000160993	3.05727005	0.001047233	0.009338588	0.000148515	0.000198564	4.8612E-05	0.059903152	1.99722E-06	5.49258E-05	0.000494931	0.001926271	0
2042 Jul	0.000700269	0.087643474	9.989E-06	0.895561755	1.248951316	0.013654776	0.000140502	2.839992762	0.000976718	0.009014089	0.000106472	0.000165682	4.33402E-05	0.05152579	1.9978E-06	5.02863E-05	0.000349768	0.001747174	0
2042 Aug	0.000755284	0.078192361	9.90581E-06	1.00711906	1.401211262	0.010791111	0.000330673	3.496017218	0.000974826	0.008636346	5.28324E-05	6.66725E-05	4.89909E-05	0.060740542	1.98116E-06	5.63118E-05	0.000151108	0.001286461	0
2042 Sep	0.000801069	0.077666357	9.92735E-06	1.065419674	1.520260215	0.010051882	0.000430881	3.811625719	0.000986629	0.009061516	3.03282E-05	3.80172E-05	4.93463E-05	0.065962613	1.98547E-06	6.39375E-05	0.000123588	0.001171338	0
2042 Oct	0.000861931	0.0828631	9.87642E-06	1.080106139	1.614891887	0.009778331	0.000481362	3.959046602	0.00098375	0.009856928	2.60733E-05	3.13289E-05	4.56478E-05	0.068447351	1.97528E-06	7.16285E-05	0.000148688	0.001138742	0
2042 Nov	0.000867921	0.083416559	9.91952E-06	1.08551085	1.625451326	0.009813397	0.00048527	3.982049465	0.000988118	0.009928809	2.60466E-05	3.1243E-05	4.57289E-05	0.068842866	1.9839E-06	7.2216E-05	0.000150219	0.0011428	0
2042 Dec	0.000868572	0.083476566	9.92396E-06	1.086078644	1.626593947	0.009816894	0.0004857	3.984508991	0.000988569	0.009936663	2.60416E-05	3.12307E-05	4.57355E-05	0.068885118	1.98479E-06	7.22808E-05	0.00015039	0.001143204	0
2043 Jan	0.000869206	0.083631016	9.92459E-06	1.087248564	1.629917622	0.009910553	0.00048571	3.989070177	0.000989402	0.009940345	2.64825E-05	3.13188E-05	4.57738E-05	0.069008887	1.98492E-06	7.23093E-05	0.000151367	0.00114343	0
2043 Feb	0.000869902	0.083825767	9.92496E-06	1.088743687	1.634149909	0.010037275	0.000485602	3.994747639	0.000990478	0.009943301	2.70856E-05	3.14486E-05	4.58298E-05	0.069167927	1.98499E-06	7.23296E-05	0.000152634	0.001143731	0
2043 Mar	0.000870495	0.083952636	9.92759E-06	1.089826822	1.636860967	0.010108922	0.000485662	3.998825788	0.000991308	0.009947351	2.74215E-05	3.15271E-05	4.58717E-05	0.069271706	1.98552E-06	7.23584E-05	0.000153364	0.001144175	0
2043 Apr	0.000875699	0.084494323	9.98457E-06	1.096535802	1.64755857	0.010206417	0.00048841	4.02350235	0.000997321	0.010005247	2.7767E-05	3.17482E-05	4.61519E-05	0.069718152	1.99691E-06	7.27792E-05	0.000154638	0.001150822	0
2043 May	0.00093504	0.102473788	1.0191E-05	1.23065424	2.010432005	0.021452626	0.000466299	4.493631363	0.001106483	0.010375678	0.000130866	5.42976E-05	5.636E-05	0.083309539	2.0382E-06	7.45185E-05	0.000284371	0.001248873	0
2043 Jun	0.000816369	0.130674705	9.84837E-06	1.275069952	2.309223175	0.045950308	0.00014683	4.187328339	0.001248037	0.009728837	0.000379288	0.00021823	7.11106E-05	0.091844849	1.96967E-06	5.8425E-05	0.000741243	0.001938074	0
2043 Jul	0.000800099	0.113199942	1.03709E-05	1.12309587	1.830628633	0.029872524	0.000153023	3.661070347	0.001150338	0.009764262	0.000245315	0.000191463	5.89033E-05	0.073818833	2.07418E-06	5.64228E-05	0.000538749	0.001878231	0
2043 Aug	0.000827033	0.105471835	1.06335E-05	1.142534852	1.781199455	0.024439549	0.000238332	3.832998991	0.001138337	0.009753281	0.000186422	0.000145887	5.8609E-05	0.07352896	2.1267E-06	5.92963E-05	0.000407364	0.001701034	0
2043 Sep	0.000830423	0.095477603	1.04612E-05	1.136068225	1.720853209	0.01915393	0.000332327	3.921372414	0.001094033	0.009616478	0.000124962	0.000100541	5.60003E-05	0.072404571	2.09225E-06	6.27709E-05	0.000296991	0.001492045	0
2043 Oct	0.000890662	0.094736971	1.02643E-05	1.131708026	1.75614512	0.015386632	0.000428484	4.064711571	0.00105573	0.010327827	8.37629E-05	6.9216E-05	4.97135E-05	0.073047914	2.05287E-06	7.20295E-05	0.000257796	0.001339723	0
2043 Nov	0.000933135	0.094065264	1.01069E-05	1.126941681	1.779281735	0.012629895	0.000497686	4.163022041	0.001026429	0.010829638	5.37351E-05	4.63771E-05	4.5079E-05	0.073411621	2.02137E-06	7.86491E-05	0.000228977	0.001227246	0
2043 Dec	0.000933824	0.094103806	1.01105E-05	1.127424002	1.780234814	0.012618423	0.000498344	4.165527821	0.001026712	0.010837693	5.3572E-05	4.62555E-05	4.50706E-05	0.073447257	2.02209E-06	7.87262E-05	0.000228901	0.001227101	0
2044 Jan	0.000934821	0.094354548	1.01114E-05	1.129416347	1.78578186	0.012776983	0.000498347	4.173248291	0.001028117	0.01084253	5.42881E-05	4.63795E-05	4.51403E-05	0.073656432	2.02228E-06	7.87646E-05	0.000230454	0.001227352	0
2044 Feb	0.000936399	0.094730236	1.01164E-05	1.132523656	1.793913484	0.013004414	0.000498363	4.184969425	0.001030439	0.010851588	5.53522E-05	4.66139E-05	4.52604E-05	0.07396622	2.02327E-06	7.88284E-05	0.000232719	0.001228338	0
2044 Mar	0.00093797	0.095006168	1.01268E-05	1.135072708	1.799689651	0.013137558	0.000498752	4.194518089	0.001032485	0.01086479	5.59709E-05	4.67765E-05	4.53601E-05	0.074190572	2.02535E-06	7.89233E-05	0.000234124	0.001229811	0
2044 Apr	0.000940713	0.09534917	1.01527E-05	1.138754129	1.806493163	0.013237904	0.000499963	4.208194733	0.001035682	0.010893791	5.64271E-05	4.69602E-05	4.5506E-05	0.074463382	2.03055E-06	7.91333E-05	0.000235373	0.001233081	0
2044 May	0.000962938	0.099310614	1.03352E-05	1.175330043	1.885495305	0.015060045	0.000504177	4.339285374	0.001067032	0.011102348	7.20413E-05	5.07836E-05	4.7705E-05	0.077541955	2.06704E-06	8.05107E-05	0.000257014	0.00126511	0
2044 Jun	0.000643784	0.090018786	9.69565E-06	0.937196851	1.382295966	0.020129573	0.000131231	2.848295689	0.001018172	0.008999173	0.000147099	0.000209643	4.69501E-05	0.056564726	1.93913E-06	5.19829E-05	0.000512434	0.001955512	0
2044 Jul	0.000648187	0.08845216	1.03088E-05	0.92393446	1.274201274	0.016611325	0.000116954	2.732195854	0.00103832	0.009342416	0.000117737	0.000224136	4.55698E-05	0.052614581	2.06176E-06	5.23717E-05	0.000498308	0.002092144	0
2044 Aug	0.000711187	0.092872486	1.09503E-05	1.001667619	1.384013414	0.016794452	0.00016084	3.04985261	0.00109917	0.00986769	0.000115185	0.000213005	4.92909E-05	0.057625968	2.19006E-06	5.6637E-05	0.00047417	0.002100027	0
2044 Sep	0.000795781	0.085637808	1.02945E-05	1.054702878	1.52505672	0.012540538	0.000361893	3.614717722	0.001031203	0.009789809	5.82446E-05	0.000101344	4.76855E-05	0.064511456	2.05891E-06	6.56708E-05	0.000273728	0.001513639	0
2044 Oct	0.000866617	0.088367335	1.01154E-05	1.077512622	1.630654693	0.011275715	0.000445733	3.863526106	0.001012595	0.010396201	4.25655E-05	6.89657E-05	4.43887E-05	0.067968398	2.02308E-06	7.35855E-05	0.000242076	0.001344721	0
2044 Nov	0.000881625	0.089129291	1.01186E-05	1.085012794	1.654159546	0.011097103	0.000461558	3.91897893	0.001012797	0.010534625	4.00266E-05	6.36596E-05	4.39733E-05	0.068786599	2.02371E-06	7.51847E-05	0.000237473	0.001320329	0
2044 Dec	0.000882242	0.089174628	1.01218E-05	1.085524559	1.655212045	0.011096578	0.000462061	3.921467304	0.001013121	0.010541074	3.9982E-05	6.356E-05	4.39778E-05	0.068826772	2.02436E-06	7.52445E-05	0.000237444	0.001320196	0
2045 Jan	0.000882943	0.089349948	1.01217E-05	1.086891413	1.659139395	0.011208761	0.000462078	3.926905394	0.001014041	0.01054404	4.04991E-05	6.36164E-05	4.40246E-05	0.068974219	2.02433E-06	7.52704E-05	0.000238498	0.00132013	0
2045 Feb	0.000883759	0.089581862	1.01216E-05	1.088692307	1.664260268	0.011363009	0.000461949	3.933796167	0.001015311	0.010546873	4.12277E-05	6.37492E-05	4.40933E-05	0.069167301	2.02433E-06	7.52906E-05	0.000239981	0.001320323	0
2045 Mar	0.000884841	0.089772888	1.01289E-05	1.090459228	1.66825211	0.011455302	0.000462212	3.940388918	0.001016735	0.010556021	4.16547E-05	6.38676E-05	4.41626E-05	0.069322437	2.02579E-06	7.5356E-05	0.000240962	0.001321381	0
2045 Apr	0.0008874	0.090078875	1.01553E-05	1.093859673	1.67419064	0.011533134	0.000463375	3.952796221	0.001019779	0.010584397	4.19899E-05	6.40753E-05	4.4299E-05	0.069563076	2.03106E-06	7.55586E-05	0.000242051	0.001324882	0
2045 May	0.00090272	0.091654912	1.03294E-05	1.112855792	1.703583479	0.011752071	0.000471293	4.021475792	0.001037437	0.010766225	4.28338E-05	6.51966E-05	4.50703E-05	0.070781656	2.06589E-06	7.68562E-05	0.000246411	0.001347646	0
2045 Jun	0.000667424	0.083835222	9.91807E-06	0.919825077	1.28700304	0.01403078	0.000193254	2.854739666	0.000992965	0.009302005	8.62821E-05	0.00018405	4.28158E-05	0.053391661	1.98361E-06	5.60349E-05	0.000426877	0.00187278	0
2045 Jul	0.000652729	0.086783424	1.02931E-05	0.908202708	1.233687997	0.014947421	0.000122275	2.705357075	0.001021659	0.009296804	0.000105093	0.000214045	4.4275E-05	0.05108396	2.05861E-06	5.20321E-05	0.000463194	0.002040118	0
2045 Aug	0.000706938	0.088690504	1.0667E-05	0.972138941	1.328203559	0.014604961	0.000176892	3.013871193	0.001056342	0.00956181	9.7366E-05	0.000188642	4.73486E-05	0.055634227	2.1334E-06	5.538E-05	0.000409471	0.001952749	0
2045 Sep	0.000762858	0.086852059	1.04911E-05	1.020752788	1.438574791	0.013062158	0.000286534	3.372061014	0.001042012	0.009711933	7.20699E-05	0.000135568	4.75033E-05	0.060685717	2.09821E-06	6.14252E-05	0.000321858	0.001689392	0
2045 Oct	0.0007932	0.088288724	1.05186E-05	1.040359139	1.490733027	0.01277821	0.000320644	3.499051571	0.001045471	0.009979201	6.69E-05	0.000124146	4.70584E-05	0.062629797	2.10371E-06	6.46538E-05	0.000310863	0.001639331	0
2045 Nov	0.000796082	0.088557564	1.05467E-05	1.043598771	1.496019602	0.012803942	0.000322395	3.511582851	0.001048292	0.010012397	6.69361E-05	0.000124164	4.71693E-05	0.062845275	2.10935E-06	6.4909E-05	0.000311379	0.001642267	0
2045 Dec	0.000796906	0.088620983	1.05522E-05	1.044385076	1.497497082	0.012805952	0.000323046	3.51511693	0.001048845	0.010021093	6.68929E-05	0.000124057	4.71854E-05	0.062903747	2.11044E-06	6.49872E-05	0.000311369	0.001642326	0
2046 Jan	0.000797504	0.088739619	1.05527E-05	1.045380116	1.50024581	0.012875561	0.000323222	3.519244909	0.001049489	0.010024431	6.71964E-05	0.000124047	4.72162E-05	0.063007601	2.11055E-06	6.50196E-05	0.000311986	0.001642139	0

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.00079815	0.088895075	1.05538E-05	1.046648026	1.503694534	0.012972408	0.000323248	3.524160624	0.001050388	0.010027653	6.76454E-05	0.000124115	4.72631E-05	0.063138396	2.11075E-06	6.5045E-05	0.000312911	0.001642298	0
2046 Mar	0.000799489	0.089089856	1.05674E-05	1.048634291	1.507436872	0.013041332	0.000323662	3.531201839	0.001052178	0.010041808	6.79742E-05	0.000124305	4.73472E-05	0.063287869	2.11348E-06	6.51393E-05	0.000313803	0.001644415	0
2046 Apr	0.000804172	0.089637756	1.06269E-05	1.054907799	1.516963124	0.013144673	0.000325485	3.552529335	0.001058356	0.010099098	6.84954E-05	0.000125023	4.76272E-05	0.063683443	2.12539E-06	6.55124E-05	0.000315851	0.001653682	0
2046 May	0.000835125	0.096551165	1.07909E-05	1.113050222	1.660553575	0.017019443	0.000326428	3.764742851	0.001104905	0.010329976	0.000103015	0.000131169	5.15592E-05	0.069169901	2.15818E-06	6.70255E-05	0.000358402	0.001689273	0
2046 Jun	0.000664405	0.091389112	9.90313E-06	0.962463677	1.417488098	0.02015553	0.000145893	2.952948332	0.001037582	0.009163108	0.000145964	0.000205441	4.81726E-05	0.058189493	1.98063E-06	5.33333E-05	0.000502931	0.001955027	0
2046 Jul	0.000662648	0.085589387	9.96837E-06	0.882836699	1.211431742	0.013975237	0.000124895	2.707983017	0.000980748	0.008976407	0.000104019	0.000187529	4.29728E-05	0.050075222	1.99367E-06	4.99162E-05	0.000398942	0.001864946	0
2046 Aug	0.00072203	0.087081149	1.03482E-05	0.954706609	1.317526817	0.013456562	0.000191795	3.06229496	0.001016194	0.009234288	9.30912E-05	0.000155847	4.64071E-05	0.055269968	2.06964E-06	5.37399E-05	0.000332716	0.001749127	0
2046 Sep	0.000798109	0.083750971	1.00489E-05	1.028919101	1.488729596	0.011267072	0.000364583	3.585885763	0.000996323	0.009544393	5.18317E-05	8.22821E-05	4.61669E-05	0.063016623	2.00979E-06	6.41071E-05	0.000223752	0.001389071	0
2046 Oct	0.000877819	0.087596111	9.92583E-06	1.064807534	1.625225067	0.010346423	0.000460535	3.880922079	0.000988016	0.010342597	3.63052E-05	5.2989E-05	4.28853E-05	0.067588106	1.98517E-06	7.39285E-05	0.000209281	0.001245302	0
2046 Nov	0.000889598	0.088290669	9.93915E-06	1.071980834	1.645735145	0.010267602	0.000473048	3.926282167	0.000989804	0.010464878	3.459E-05	4.97096E-05	4.26211E-05	0.068311766	1.98783E-06	7.52841E-05	0.000208172	0.001231958	0
2046 Dec	0.000890413	0.088359848	9.94534E-06	1.07278955	1.647211432	0.010271706	0.000473636	3.92971611	0.000990431	0.010474064	3.4568E-05	4.96579E-05	4.26397E-05	0.068369895	1.98907E-06	7.53619E-05	0.000208268	0.001232355	0
2047 Jan	0.000891155	0.088540457	9.94614E-06	1.074234247	1.651218414	0.010384495	0.000473669	3.935350657	0.000991444	0.010477831	3.50895E-05	4.97381E-05	4.26909E-05	0.06852103	1.98923E-06	7.53926E-05	0.000209368	0.001232509	0
2047 Feb	0.000892086	0.088782884	9.94773E-06	1.076178908	1.656518936	0.010538791	0.000473603	3.942721605	0.00099286	0.010482224	3.58174E-05	4.98873E-05	4.27661E-05	0.06872192	1.98955E-06	7.54236E-05	0.000210884	0.00123295	0
2047 Mar	0.000894554	0.089110464	9.97045E-06	1.079606175	1.663055658	0.0106463	0.000474607	3.955412149	0.000995816	0.010507653	3.62941E-05	5.00784E-05	4.29011E-05	0.068982713	1.99409E-06	7.56063E-05	0.000212176	0.001235899	0
2047 Apr	0.000897369	0.089437596	9.99909E-06	1.08325994	1.669402957	0.010724477	0.000475926	3.968875408	0.000999068	0.01053868	3.66236E-05	5.02663E-05	4.30456E-05	0.069240078	1.99982E-06	7.58294E-05	0.000213247	0.001239525	0
2047 May	0.00096273	0.113376908	1.00869E-05	1.259548426	2.165806055	0.027011447	0.000434742	4.58419466	0.00113837	0.010787846	0.000186733	7.99897E-05	5.75898E-05	0.087860547	2.01738E-06	7.63606E-05	0.000392228	0.001345759	0
2047 Jun	0.000911676	0.152334794	9.90463E-06	1.453256845	2.803966522	0.059500486	0.000159514	4.904833317	0.001366868	0.010150282	0.000501056	0.000220832	8.35292E-05	0.110601805	1.98093E-06	6.22894E-05	0.000860543	0.001917186	0
2047 Jul	0.00086192	0.135227546	1.05306E-05	1.317578435	2.347962618	0.045517851	0.000152412	4.320615292	0.001301384	0.010307923	0.000376731	0.000226494	7.27842E-05	0.0935122	2.10611E-06	6.12291E-05	0.000745356	0.002041753	0
2047 Aug	0.000885393	0.129700392	1.08937E-05	1.328053594	2.286527634	0.04070241	0.000209401	4.414683819	0.001298921	0.010434155	0.000327259	0.000198406	7.2042E-05	0.09227933	2.17875E-06	6.3629E-05	0.000649838	0.001955179	0
2047 Sep	0.00087203	0.105639882	1.03981E-05	1.216801524	1.967368126	0.025496893	0.000355561	4.234265327	0.001147269	0.010088291	0.000175904	0.000111369	5.99048E-05	0.081343301	2.07962E-06	6.77792E-05	0.000394078	0.00153433	0
2047 Oct	0.000910561	0.099896073	1.01329E-05	1.169621944	1.888266206	0.018815655	0.000443077	4.221775055	0.001076516	0.010552899	0.000111123	7.35549E-05	5.13059E-05	0.077731378	2.02658E-06	7.48099E-05	0.000310957	0.001346405	0
2047 Nov	0.000921117	0.098984681	1.01063E-05	1.163116693	1.877154827	0.017481895	0.000462485	4.231044769	0.001064856	0.010678975	9.79908E-05	6.59137E-05	4.96654E-05	0.077200159	2.02127E-06	7.64792E-05	0.000294579	0.001311186	0
2047 Dec	0.000921843	0.099026427	1.01118E-05	1.163681746	1.87805593	0.017468452	0.0004631	4.233685017	0.001065272	0.01068746	9.7815E-05	6.58166E-05	4.96654E-05	0.0772359	2.02236E-06	7.65536E-05	0.000294461	0.001311328	0
2048 Jan	0.000922726	0.099217221	1.01139E-05	1.1652565	1.882248878	0.017579952	0.000463223	4.239857674	0.001066398	0.01069278	9.82872E-05	6.58872E-05	4.97167E-05	0.077394791	2.02279E-06	7.65961E-05	0.000295543	0.001311572	0
2048 Feb	0.000923908	0.099492624	1.01178E-05	1.167543411	1.888208508	0.017744912	0.000463261	4.248514175	0.001068106	0.010699718	9.9049E-05	6.60512E-05	4.98037E-05	0.077621922	2.02355E-06	7.66456E-05	0.00029718	0.001312282	0
2048 Mar	0.000924417	0.099627487	1.01184E-05	1.168615341	1.891164303	0.017831596	0.000463216	4.252595425	0.001068878	0.010701961	9.9447E-05	6.61306E-05	4.98437E-05	0.077733777	2.02368E-06	7.66615E-05	0.000298023	0.001312481	0
2048 Apr	0.000930088	0.100524224	1.01629E-05	1.177312493	1.909599423	0.018215403	0.000464986	4.284888744	0.001076092	0.010754568	0.000101282	6.66896E-05	5.01944E-05	0.078457095	2.03258E-06	7.70379E-05	0.000302276	0.001318661	0
2048 May	0.000949005	0.102719016	1.03607E-05	1.202063918	1.951995254	0.018729078	0.000473871	4.375257969	0.001098345	0.010966684	0.000104048	6.81401E-05	5.12461E-05	0.080181129	2.07214E-06	7.8556E-05	0.00030971	0.001344603	0
2048 Jun	0.000686346	0.087268032	9.88132E-06	0.950264037	1.375565767	0.016204497	0.000201885	2.993117571	0.001008715	0.009358866	0.000104922	0.000180089	4.47067E-05	0.056767926	1.97626E-06	5.69282E-05	0.000439617	0.001843476	0
2048 Jul	0.000672017	0.086991839	1.01603E-05	0.898746967	1.231018662	0.014231565	0.000126721	2.748322725	0.000999987	0.00915199	0.000105203	0.000193117	4.3726E-05	0.050898876	2.03205E-06	5.09266E-05	0.000411159	0.00191216	0
2048 Aug	0.000737733	0.084607266	1.03039E-05	0.982269883	1.356909513	0.012649941	0.000241989	3.235248804	0.001012941	0.009122244	7.90795E-05	0.000128176	4.77583E-05	0.057636626	2.06078E-06	5.5242E-05	0.000276882	0.001616766	0
2048 Sep	0.0007961	0.083075821	1.01467E-05	1.039285779	1.488006711	0.011259547	0.000364943	3.616356134	0.001005081	0.009443487	5.09954E-05	7.93834E-05	4.75735E-05	0.063416846	2.02933E-06	6.32468E-05	0.000209462	0.001383885	0
2048 Oct	0.000859366	0.086276144	9.99644E-06	1.062533617	1.595139503	0.010509419	0.000440959	3.835359812	0.000993653	0.010104962	3.88193E-05	5.693E-05	4.43533E-05	0.066825934	1.99929E-06	7.13234E-05	0.000202914	0.001268808	0
2048 Nov	0.000882595	0.087667093	1.0002E-05	1.074835539	1.635181308	0.010338382	0.000465886	3.920111895	0.000995251	0.010353485	3.53785E-05	5.0511E-05	4.36152E-05	0.068181135	2.0004E-06	7.40953E-05	0.000201981	0.001240837	0
2048 Dec	0.000883374	0.087730564	1.00069E-05	1.075541854	1.636578918	0.010340791	0.000466489	3.92329216	0.000995756	0.010362258	3.53434E-05	5.04382E-05	4.36251E-05	0.068234652	2.00138E-06	7.41732E-05	0.000202065	0.001241013	0
2049 Jan	0.000884257	0.087942421	1.00078E-05	1.0772264	1.641271114	0.010471953	0.000466543	3.929888725	0.000996934	0.010366912	3.5949E-05	5.05306E-05	4.36833E-05	0.068411231	2.00157E-06	7.42114E-05	0.000203357	0.001241188	0
2049 Feb	0.000885248	0.088215545	1.00085E-05	1.079370618	1.647271276	0.010650446	0.00046642	3.938045263	0.00099847	0.010370969	3.67923E-05	5.06982E-05	4.37653E-05	0.068637758	2.00171E-06	7.42403E-05	0.000205104	0.001241558	0
2049 Mar	0.000886519	0.088437207	1.00172E-05	1.081430078	1.651901126	0.010756525	0.000466737	3.945740938	0.001000131	0.01038174	3.72823E-05	5.08313E-05	4.38461E-05	0.068817876	2.00344E-06	7.43173E-05	0.000206226	0.001242785	0
2049 Apr	0.000890794	0.088917993	1.00622E-05	1.08693707	1.661161423	0.010860233	0.000468787	3.965937138	0.001005084	0.01042946	3.77116E-05	5.1111E-05	4.40678E-05	0.069196366	2.01245E-06	7.46588E-05	0.000207693	0.001248461	0
2049 May	0.00091695	0.094457284	1.02442E-05	1.1347996	1.772922754	0.013782507	0.000469931	4.136352062	0.001045264	0.010649418	6.35308E-05	5.69398E-05	4.72242E-05	0.073497452	2.04885E-06	7.60336E-05	0.000241452	0.001287009	0
2049 Jun	0.000645956	0.086367764	9.7622E-06	0.919496	1.316554189	0.01710806	0.000152127	2.806792736	0.001000767	0.009055284	0.000118063	0.00019931	4.4775E-05	0.054252476	1.95244E-06	5.29885E-05	0.000471497	0.00192064	0
2049 Jul	0.000667413	0.08615727	1.00314E-05	0.889368236	1.221312404	0.014079859	0.00012691	2.729536295	0.000987311	0.009040244	0.000104582	0.000188506	4.32594E-05	0.05048224	2.00628E-06	5.03427E-05	0.00040172	0.00187603	0
2049 Aug	0.000734992	0.090688765	1.0626E-05	0.96431011	1.331839919	0.014147065	0.000171766	3.05695343	0.001042102	0.009528629	0.000102627	0.000172294	4.67968E-05	0.055474382	2.12521E-06	5.4352E-05	0.000365954	0.001851275	0
2049 Sep	0.000812572	0.088243566	1.03007E-05	1.030192137	1.49863708	0.01203015	0.000337014	3.547408819	0.001018874	0.009911392	6.39819E-05	0.000103105	4.57147E-05	0.062718391	2.06015E-06	6.48918E-05	0.000268662	0.001508081	0
2049 Oct	0.000879327	0.089825712	1.00774E-05	1.062338352	1.619292974	0.010855449	0.000436801	3.833807468	0.001001348	0.010484227	4.45114E-05	6.72754E-05	4.28866E-05	0.067026511	2.01549E-06	7.35527E-05	0.000236071	0.001324791	0
2049 Nov	0.000891153	0.090339713	1.0082E-05	1.070197821	1.640769482	0.010736545	0.000451505	3.884752512	0.001002417	0.010595664	4.20818E-05	6.27549E-05	4.26571E-05	0.06782455	2.0164E-06	7.49497E-05	0.000232551	0.001304988	0
2049 Dec	0.000891977	0.090404481	1.00878E-05	1.071013331	1.642277122	0.010739329	0.00045216	3.888324499	0.001003009	0.010604656	4.20392E-05	6.26667E-05	4.26748E-05	0.067884423	2.01755E-06	7.50299E-05	0.000232586	0.00130518	0
2050 Jan	0.000892846	0.090602167	1.00893E-05	1.072653055	1.646708846	0.01086002	0.000452268	3.894747972	0.00100416	0.010609409	4.25884E-05	6.27379E-05	4.27332E-05	0.068052553	2.01786E-06	7.50698E-05	0.000233744	0.001305347	0
2050 Feb	0.000893748	0.090850756	1.00899E-05	1.074624062	1.652211428	0.011023584	0.000452165	3.902258635	0.001005564	0.010612933	4.33574E-05	6.28822E-05	4.28091E-05	0.068260729	2.01797E-06	7.50955E-05	0.000235324	0.001305636	0
2050 Mar	0.000894358	0.090998292	1.00915E-05	1.075840831	1.655429482	0.011114183	0.000452169	3.906870365	0.001006462	0.010616263	4.37822E-05	6.29692E-05	4.28562E-05	0.068383247	2.01831E-06	7.51195E-05	0.000236217	0.001305967	0
2050 Apr	0.000897593	0.091376141	1.0125E-05	1.080007076	1.662608027	0.011201739	0.000453631	3.922109604	0.001010222	0.010652425	4.41659E-05	6.32221E-05	4.30214E-05	0.068673827	2.02501E-06	7.53756E-05	0.000237488	0.00131037	0
2050 May	0.000917342	0.095144168	1.02783E-05	1.113924742	1.738163948	0.013042006	0.000456301	4.043316841	0.001039057	0.010830365	6.01548E-05	6.69929E-05	4.51422E-05	0.071604192	2.05567E-06	7.65283E-05	0.000259043	0.0013391	0
2050 Jun	0.000698423	0.098816015	9.79387E-06	1.018439293	1.594244838	0.024875253	0.000155353	3.200356722	0.001068285	0.009296625	0.000188402	0.000202851	5.17449E-05	0.064719036	1.95877E-06	5.50259E-05	0.000543394	0.001918287	0
2050 Jul	0.000684766	0.08668606	9.8736E-06	0.886924803	1.238199472	0.013950901	0.00013521	2.791579247	0.000970153	0.008917334	0.000107805	0.000169937	4.30776E-05	0.051062018	1.97472E-06	4.97586E-05	0.000362781	0.001759756	0
2050 Aug	0.000755754	0.0908015	1.02959E-05	0.940822601	1.324498296	0.013387837	0.00017404	3.084958553	0.001000909	0.009260705	0.000105648	0.000143252	4.53848E-05	0.054868907	2.05919E-06	5.24582E-05	0.00029883	0.00165855	0
2050 Sep	0.000806538	0.088348955	1.01964E-05	1.005829215	1.457457542	0.012011853	0.000303839	3.472002983	0.0010014	0.009603777	7.34644E-05	9.83807E-05	4.57055E-05	0.060966857	2.03928E-06	6.10454E-05	0.000241344	0.001457859	0
2050 Oct	0.000836837	0.089872673	1.02668E-05	1.030612588	1.516064763	0.011811357	0.000341296	3.608429432	0.001010536	0.009928729	6.73786E-05	8.95542E-05	4.54214E-05	0.063203156	2.05335E-06	6.48386E-05	0.000238077	0.00142756	0
2050 Nov	0.000841018	0.090279147	1.03107E-05	1.035453796	1.523730993	0.011854921	0.000343619	3.626600742	0.00101491	0.009977488	6.75055E-05	8.97048E-05	4.56009E-05	0.063517667	2.06213E-06	6.51982E-05	0.000238974	0.001432676	0
2050 Dec	0.000841747	0.09033525	1.03157E-05	1.036190867	1.525099397	0.011857153	0.000344238	3.629818439	0.001015438	0.009985694	6.74549E-05	8.9628E-05	4.56157E-05	0.063572057	2.06315E-06	6.52732E-05	0.000239029	0.001432868	0
2051 Jan	0.000842386	0.090462774	1.03172E-05	1.037300706	1.528023124	0.011930717	0.000344426	3.634241819	0.001016206	0.009989896	6.77726E-05	8.96542E-05	4.56522E-05	0.063683294	2.06345E-06	6.53111E-05	0.000239748	0.001432965	0
2051 Feb	0.000843026	0.090621516	1.03183E-05	1.038600326	1.531554341	0.012030886	0.000344441	3.639229298	0.001017136	0.009993119	6.82349E-05	8.97366E-05	4.57007E-05	0.063817285	2.06366E-06	6.53365E-05	0.000240728	0.001433193	0
2051 Mar	0.000843793	0.090752982	1.0324E-05	1.03982389	1.534239173	0.012091486	0.00034462	3.643752813	0.001018146	0.009999828	6.85209E-05	8.98259E-05	4.57498E-05	0.063921995	2.06479E-06	6.53827E-05	0.000241382	0.001434027	0
2051 Apr	0.000848037	0.091237567	1.03738E-05	1.045214295	1.542695642	0.01218069	0.000346277	3.662776709	0.001023317	0.010048774	6.89936E-05	9.02822E-05	4.59842E-05	0.064270228	2.07476E-06	6.57041E-05	0.000242844	0.001440973	0
2051 May	0.000894091	0.103274554	1.04797E-05	1.145091414	1.815246224	0.019993477	0.000340188	4.049064636	0.001103561	0.010298986	0.000138878	0.00010328	5.35847E-05	0.074267626	2.10231E-06	6.75739E-05	0.000328659	0.001492202	2.18703E-06
2051 Jun	0.00079546	0.074466728	7.631E-06	1.05013001	2.120890856	0.023182493	0.00017717	5.093131542	0.001276403	0.007624645	0.000161334	0.000223991	7.30352E-05	0.063325837	1.94895E-06	6.16568E-05	0.000459612	0.00167138	0.000145636
2051 Jul	0.000810606	0.065727502	7.99593E-06	1.001654387	1.958549976	0.015343287	0.000187486	5.065684795	0.001274052	0.007770522	9.31606E-05	0.000219824	6.98629E-05	0.055538293	2.05706E-06	6.2915E-05	0.000368055	0.001686685	0.000157907
2051 Aug	0.000843743	0.066803299	8.453E-06	1.050387144	1.913758636	0.013096147	0.000291164	5.041213036	0.001211178	0.007899842	6.73308E-05	0.00014135	6.76035E-05	0.06063848	2.05007E-06	6.39357E-05	0.000224432	0.00138424	0.000124126
2051 Sep	0.000930637	0.063200608	7.67832E-06	1.094370365	2.1844697	0.012234302	0.000397136	5.810304165	0.001250264	0.008139803	4.56963E-05	0.00011743	7.00077E-05	0.065223321	1.99616E-06	7.50738E-05	0.000196203	0.001173434	0.000159556
2051 Oct	0.00099971	0.065032057	7.34456E-06	1.118716836	2.35117507	0.011871989	0.000464231	6.235004425	0.001266691	0.008680279	3.68852E-05	0.000105729	6.90134E-05	0.068411663	1.96773E-06	8.37761E-05	0.000201289	0.001075128	0.000173949
2051 Nov	0.001004764	0.066163369	7.44734E-06	1.124397874	2.350104809	0.011867978	0.000470401	6.22087431	0.001265587	0.008803625	3.65792E-05	0.0001038	6.85338E-05	0.068937041	1.97691E-06	8.43652E-05	0.000202319	0.001079792	0.000170124
2051 Dec	0.001005239	0.066283323	7.45905E-06	1.124996781	2.349688292	0.011866826	0.00047099	6.218208313	0.001265423	0.008816484	3.6544E-05	0.000103595	6.84814E-05	0.068989538	1.978E-06	8.4417E-05	0.000202407	0.001080428	0.000169688
2052 Jan	0.001005859	0.066518813	7.46377E-06	1.126498461	2.35297513	0.011989882	0.000471019	6.220668793	0.001266082	0.008823138	3.71222E-05	0.000103596	6.84954E-05	0.069155574	1.97815E-06	8.44346E-05	0.00020364	0.001080819	0.000169411
2052 Feb	0.001006924	0.066814743	7.46804E-06	1.128765941	2.358689785	0.012164231	0.000470991	6.227966309	0.001267608	0.00883012	3.79468E-05	0.000103736	6.85685E-05	0.06938871	1.97871E-06	8.44713E-05	0.000205376	0.001081528	0.000169307
2052 Mar	0.001008625	0.067049652	7.47869E-06	1.131254196	2.364418268	0.012272282	0.000471501	6.23886919	0.001269849	0.008843754	3.8436E-05	0.000103928	6.86846E-05	0.069592468	1.98122E-06	8.45854E-05	0.000206546	0.001083119	0.000169439
2052 Apr	0.001011604	0.067315601	7.49969E-06	1.134919405	2.372372627	0.012357212	0.000472735	6.257511139	0.001273655	0.008869165	3.8786E-05	0.000104244	6.88877E-05	0.069846183	1.9866E-06	8.48194E-05	0.000207614	0.001086187	0.000169854
2052 May	0.001074439	0.098885626	7.71139E-06	1.352692485	2.960323095	0.03379086	0.000401241	6.891929626	0.001439329	0.009103229	0.000238698	0.000145089	8.70213E-05	0.093232386	2.00329E-06	8.31591E-05	0.000444763	0.001250291	0.000161145
2052 Jun	0.00092196	0.061708365	6.45094E-06	1.134283543	2.688210249	0.023051288	0.000238792	7.123431206	0.001495152	0.00689955	0.000147601	0.000236735	9.21276E-05	0.067576058	2.0007E-06	7.27647E-05	0.00040096	0.001489901	0.000256686
2052 Jul	0.000910772	0.068676412	7.75752E-06	1.046627879	2.200782299	0.01571407	0.000232873	5.944945812	0.00131704	0.007641131	0.000105758	0.000177966	7.53322E-05	0.060527246	2.04462E-06	6.63508E-05	0.000261754	0.001388683	0.000180441
2052 Aug	0.000917841	0.070649803	8.28087E-06	1.074552894	2.130678892	0.014474476	0.000281455	5.764144421	0.001283127	0.007920388	9.04762E-05	0.000144886	7.29886E-05	0.062931925	2.07433E-06	6.68265E-05	0.000208056	0.001312266	0.000153807
2052 Sep	0.000943667	0.067259841	8.00278E-06	1.110772848	2.245745182	0.013531767	0.000379059	6.090791225	0.001285568	0.008173089	6.37281E-05	0.000122603	7.27064E-05	0.066751674	2.03003E-06	7.46172E-05	0.000194446	0.001196707	0.000159732
2052 Oct	0.000981311	0.06641335	7.71276E-06	1.131106138	2.384472847	0.013564837	0.000416713	6.484783173	0.001319351	0.008364224	5.78402E-05	0.000123998	7.42522E-05	0.068680048	2.01971E-06	8.02262E-05	0.000205991	0.001161023	0.000178618
2052 Nov	0.000985183	0.06675332	7.74806E-06	1.13541472	2.392072201	0.013601304	0.000419035	6.503326416	0.001323315	0.008407325	5.78905E-05	0.000124102	7.44163E-05	0.068965577	2.0271E-06	8.0577E-05	0.000206785	0.001164971	0.000178751
2052 Dec	0.000985711	0.06684576	7.75687E-06	1.135999799	2.392124414	0.013599813	0.0004196	6.50212431	0.001323329	0.008418253	5.7839E-05	0.000123948	7.43829E-05	0.069013253	2.02811E-06	8.06329E-05	0.000206873	0.001165456	0.000178468

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.000986291	0.067014821	7.76083E-06	1.137167335	2.394645452	0.013683588	0.000419735	6.504379749	0.001323895	0.008424395	5.82171E-05	0.000123943	7.43961E-05	0.069135867	2.02844E-06	8.06602E-05	0.000207736	0.001165789	0.000178294
2053 Feb	0.00098729	0.067232519	7.76574E-06	1.139005661	2.39914155	0.013804104	0.000419854	6.510982037	0.001325266	0.0084316	5.87799E-05	0.000124063	7.44635E-05	0.069312073	2.02936E-06	8.07089E-05	0.000208962	0.001166555	0.00017827
2053 Mar	0.000989245	0.067447327	7.7795E-06	1.14163506	2.405020475	0.013889604	0.000420518	6.523878574	0.001327906	0.008447568	5.9171E-05	0.000124306	7.46066E-05	0.069507204	2.03275E-06	8.08506E-05	0.000209929	0.001168638	0.000178511
2053 Apr	0.000994599	0.06785915	7.82068E-06	1.148028374	2.418684006	0.013998077	0.000422698	6.559194088	0.001335103	0.008492875	5.96486E-05	0.000124977	7.5008E-05	0.069916561	2.0434E-06	8.12779E-05	0.000211382	0.001174834	0.000179413
2053 May	0.001093782	0.10370183	7.56826E-06	1.427877545	3.319789171	0.041341566	0.000345132	7.948963165	0.001596013	0.008556089	0.00031055	0.000187654	0.000102061	0.099889778	2.03359E-06	8.28575E-05	0.000518757	0.001346441	0.000199827
2053 Jun	0.000992442	0.062045343	6.23683E-06	1.213900566	3.236891985	0.026492715	0.000289628	9.436664581	0.001701581	0.006705348	0.000172606	0.000261992	0.000107416	0.075687736	1.98623E-06	8.66512E-05	0.000411384	0.001428388	0.000318657
2053 Jul	0.000968201	0.062445883	7.27203E-06	1.17231524	2.93591857	0.021129709	0.000278064	8.728938103	0.001650548	0.007374243	0.000128167	0.000264722	9.91136E-05	0.069672659	2.10813E-06	8.55173E-05	0.000388367	0.001591658	0.000286616
2053 Aug	0.000988743	0.0686213	8.13835E-06	1.209461451	2.82440114	0.020214824	0.000309496	8.289117813	0.001616219	0.007990054	0.000119997	0.000237249	9.55608E-05	0.072173044	2.19876E-06	8.50159E-05	0.000352862	0.001591691	0.000250383
2053 Sep	0.00100944	0.071596168	8.5821E-06	1.244351864	2.823246002	0.020080352	0.000334667	8.235832214	0.001623984	0.008359889	0.000115801	0.000228054	9.54081E-05	0.07449095	2.26145E-06	8.65166E-05	0.000344161	0.001609134	0.000238959
2053 Oct	0.001016544	0.073575757	8.74073E-06	1.2475003	2.784235954	0.019589141	0.000352801	8.060032845	0.001598635	0.008623559	0.000110747	0.000217022	9.27554E-05	0.075098552	2.26384E-06	8.72589E-05	0.000337863	0.001591099	0.000226099
2053 Nov	0.001014153	0.074977413	8.825E-06	1.238581419	2.714860201	0.018868124	0.000368807	7.791638851	0.00155563	0.00882185	0.000104225	0.000203026	8.89902E-05	0.075010888	2.24409E-06	8.7196E-05	0.000327763	0.001556029	0.00021005
2053 Dec	0.001014349	0.075050935	8.83064E-06	1.238596678	2.7130301	0.018846473	0.00036951	7.783795357	0.00155446	0.008831749	0.000104011	0.00020256	8.88745E-05	0.075028725	2.24398E-06	8.72182E-05	0.000327478	0.001555155	0.000209509
2054 Jan	0.00101495	0.075259201	8.83329E-06	1.239865899	2.715632439	0.018950807	0.000369706	7.783997536	0.001554692	0.008838255	0.000104449	0.000202418	8.88599E-05	0.075176589	2.24381E-06	8.72337E-05	0.000328444	0.001554858	0.000209199
2054 Feb	0.00101589	0.075523295	8.83614E-06	1.241841793	2.720582008	0.019106209	0.000369725	7.789556026	0.001555878	0.008844363	0.000105164	0.000202484	8.89125E-05	0.075384624	2.24409E-06	8.72629E-05	0.000329956	0.00155519	0.000209074
2054 Mar	0.001016386	0.075665928	8.83757E-06	1.242899299	2.723236799	0.019190494	0.00036973	7.792469978	0.001556501	0.008847562	0.000105551	0.000202517	8.89399E-05	0.075496748	2.24422E-06	8.72776E-05	0.000330774	0.001555349	0.000209003
2054 Apr	0.001021166	0.076082274	8.87748E-06	1.24900198	2.736801147	0.019323649	0.000371368	7.828602791	0.001563742	0.008888523	0.00010624	0.000203432	8.9349E-05	0.07589487	2.25421E-06	8.7672E-05	0.000332705	0.001562319	0.000209887
2054 May	0.001070107	0.099844076	9.08391E-06	1.394412637	3.077444315	0.033330984	0.000349896	7.967511177	0.001626585	0.009333795	0.000236129	0.00021146	9.73347E-05	0.09254878	2.23923E-06	8.719E-05	0.000482349	0.001614535	0.000185482
2054 Jun	0.000971112	0.076632768	7.17775E-06	1.251144171	3.187083483	0.030812761	0.000275276	9.197030067	0.00168535	0.007427697	0.000216513	0.000268812	0.000104208	0.081074044	2.00722E-06	8.76434E-05	0.00048813	0.00157153	0.000268647
2054 Jul	0.000983757	0.068509296	7.62794E-06	1.155272365	2.864555836	0.020032443	0.000292059	8.896774292	0.001596552	0.007519705	0.000133737	0.000226335	9.48226E-05	0.070608512	2.05956E-06	8.65666E-05	0.000307065	0.001411384	0.000257653
2054 Aug	0.000966582	0.067906588	8.08164E-06	1.177861452	2.700013161	0.018050024	0.000357823	8.312970161	0.001514915	0.00768481	0.000106067	0.00017721	9.00899E-05	0.072582364	2.06418E-06	8.47898E-05	0.000235965	0.001292079	0.000217668
2054 Sep	0.000982439	0.066544197	8.09351E-06	1.215525627	2.765474558	0.01764914	0.000424002	8.50571537	0.001521799	0.007894484	8.97072E-05	0.000160747	9.04747E-05	0.075932823	2.06048E-06	8.96754E-05	0.000223576	0.001231659	0.000216265
2054 Oct	0.001048874	0.065861642	7.51408E-06	1.250603795	3.105385542	0.019176217	0.000456704	9.718785286	0.001636149	0.008014275	9.88417E-05	0.000184966	9.73222E-05	0.07946153	2.04112E-06	0.000100781	0.000263968	0.001211741	0.000266257
2054 Nov	0.001073866	0.06500949	7.27706E-06	1.268048763	3.25782156	0.019986171	0.00046476	10.28998661	0.001694684	0.007971722	0.000104315	0.000197859	0.00010136	0.080930941	2.0401E-06	0.000105032	0.000279397	0.001210993	0.000290305
2054 Dec	0.001074365	0.065147921	7.29089E-06	1.268513918	3.255575657	0.019967103	0.000465465	10.27832317	0.001693684	0.007988612	0.000104118	0.000197435	0.000101238	0.080967873	2.04143E-06	0.000105049	0.000279334	0.00121152	0.000289589
2055 Jan	0.0010749	0.065394431	7.29614E-06	1.269838214	3.257476091	0.02008104	0.00046551	10.27409077	0.001693657	0.007996986	0.000104603	0.000197279	0.000101198	0.081120349	2.0415E-06	0.000105034	0.000280483	0.001211714	0.000289102
2055 Feb	0.001075696	0.065682478	7.29892E-06	1.271771312	3.261992693	0.020249519	0.000465376	10.27661514	0.001694554	0.008002786	0.00010538	0.000197317	0.000101228	0.081332318	2.04155E-06	0.000105034	0.000282145	0.001212075	0.000288553
2055 Mar	0.001076597	0.065867789	7.30361E-06	1.273376584	3.265870094	0.020350005	0.000465506	10.28246117	0.00169578	0.008009424	0.000105848	0.000197424	0.000101289	0.081483059	2.04247E-06	0.00010508	0.000283171	0.001212799	0.000288843
2055 Apr	0.001080796	0.066199198	7.33127E-06	1.278651237	3.279260397	0.020477155	0.000467173	10.32097721	0.001702282	0.00804062	0.000106478	0.00019816	0.00010167	0.08184807	2.04998E-06	0.000105465	0.000284728	0.001217362	0.000289825
2055 May	0.00109819	0.067298859	7.44908E-06	1.299370646	3.332304955	0.020827888	0.000474621	10.48628616	0.001729631	0.008170146	0.000108315	0.000201338	0.000103303	0.083186232	2.0828E-06	0.000107152	0.00028952	0.001236924	0.000294421
2055 Jun	0.00098427	0.062537491	7.22979E-06	1.238346696	3.310700893	0.023498191	0.000334344	11.01951313	0.00181815	0.007285273	0.000143795	0.000290838	0.000109681	0.077316366	2.0573E-06	0.000106452	0.000407077	0.001558011	0.000323292
2055 Jul	0.000968157	0.072255827	8.28658E-06	1.218388557	2.980239153	0.022165794	0.000299706	9.751006126	0.001712437	0.008010523	0.000144918	0.00027305	9.96516E-05	0.075172842	2.14449E-06	9.99683E-05	0.000397453	0.001652523	0.00026328
2055 Aug	0.000975771	0.077833906	8.99504E-06	1.218330979	2.756538868	0.020361872	0.000314305	8.791620255	0.001616081	0.008503078	0.000133507	0.000233177	9.22575E-05	0.074939154	2.19898E-06	9.41267E-05	0.000342968	0.001604574	0.000216174
2055 Sep	0.000955467	0.076397538	9.10073E-06	1.209215879	2.539765358	0.017544325	0.000394185	7.869879723	0.001475235	0.00872262	9.75649E-05	0.000171025	8.29027E-05	0.075447209	2.13267E-06	9.12358E-05	0.000269872	0.001415441	0.000169297
2055 Oct	0.000978641	0.077741824	9.09353E-06	1.221689463	2.578018188	0.017304603	0.00042349	7.943548203	0.00147335	0.008993505	9.27908E-05	0.000163181	8.18269E-05	0.076913513	2.12921E-06	9.43718E-05	0.000268962	0.001381827	0.000168406
2055 Nov	0.000983695	0.078283884	9.11964E-06	1.224183202	2.577214003	0.017190574	0.000430567	7.916909695	0.001468934	0.009081373	9.12392E-05	0.000160347	8.12282E-05	0.077213183	2.13036E-06	9.48727E-05	0.000268273	0.001375417	0.000166228
2055 Dec	0.000984562	0.078328989	9.12011E-06	1.224788547	2.579162836	0.017189007	0.000431486	7.922171593	0.001469302	0.009089993	9.11346E-05	0.000160187	8.12251E-05	0.077271655	2.13058E-06	9.49899E-05	0.000268315	0.001374649	0.000166306
2056 Jan	0.000985597	0.078605659	9.12252E-06	1.226753592	2.583993435	0.017343033	0.000431665	7.926002979	0.00147024	0.009097961	9.18091E-05	0.000160163	8.12534E-05	0.077484205	2.13071E-06	9.50219E-05	0.000269841	0.001374689	0.000166114
2056 Feb	0.000986784	0.078956611	9.12487E-06	1.229327917	2.590618849	0.017557155	0.000431579	7.932600498	0.001471757	0.009104844	9.27976E-05	0.000160271	8.13223E-05	0.07775943	2.13089E-06	9.50433E-05	0.000271945	0.0013751	0.000165959
2056 Mar	0.000987961	0.079190455	9.13111E-06	1.231389999	2.595602751	0.017682979	0.000431765	7.940392971	0.001473369	0.00911354	9.33845E-05	0.000160414	8.1403E-05	0.077950977	2.13215E-06	9.51058E-05	0.000273235	0.001376068	0.000165962
2056 Apr	0.00099258	0.079638951	9.17121E-06	1.237481713	2.608800411	0.017824393	0.0004336	7.976586819	0.001480178	0.009154943	9.40878E-05	0.000161137	8.17745E-05	0.078370795	2.14139E-06	9.5522E-05	0.000275054	0.001382126	0.000166628
2056 May	0.001077016	0.106177129	9.03008E-06	1.447679162	3.268911839	0.03709276	0.000396649	9.049689293	0.001667008	0.00936105	0.00027023	0.000199891	0.000100546	0.100861281	2.13594E-06	9.942E-05	0.000487982	0.00147765	0.000180088
2056 Jun	0.001027188	0.077116594	7.61671E-06	1.375383139	3.6230762	0.032086987	0.000339824	11.97945499	0.001945144	0.007694346	0.000221605	0.000312853	0.00011933	0.090641424	2.10475E-06	0.000118638	0.000502029	0.001634009	0.000325667
2056 Jul	0.000978819	0.079911932	8.71017E-06	1.268975019	3.012503147	0.02488623	0.000301882	9.833353996	0.001733931	0.008394217	0.000171132	0.000276184	0.000100506	0.079977937	2.18354E-06	0.000104398	0.000431659	0.001704794	0.000247782
2056 Aug	0.000961727	0.082860462	9.31583E-06	1.222755432	2.613312483	0.020736404	0.000321118	8.241936684	0.001544129	0.008708698	0.000140842	0.000207041	8.73451E-05	0.076417364	2.18347E-06	9.25406E-05	0.000322889	0.001548396	0.000179847
2056 Sep	0.00097929	0.085025787	9.60873E-06	1.237326741	2.543225765	0.019375915	0.000370492	7.832202911	0.001494846	0.009200471	0.000122852	0.000180468	8.26929E-05	0.077798821	2.20059E-06	9.3141E-05	0.000301397	0.001501996	0.000156609
2056 Oct	0.001016601	0.08240322	9.07896E-06	1.25672996	2.710854769	0.018851962	0.000444405	8.464221954	0.001515161	0.009338735	0.00010813	0.000167868	8.33595E-05	0.080817059	2.12836E-06	0.000102691	0.000292491	0.001366411	0.000176115
2056 Nov	0.001028139	0.081911728	8.97887E-06	1.26680398	2.769505024	0.018948866	0.000459405	8.693680763	0.001532508	0.009362488	0.000106755	0.000168072	8.44578E-05	0.081818171	2.12147E-06	0.000105314	0.000293026	0.001345785	0.000183652
2056 Dec	0.001028509	0.081987195	8.98622E-06	1.26698637	2.767925501	0.018929081	0.000459996	8.684455872	0.001531612	0.009373412	0.000106539	0.000167701	8.43625E-05	0.081834264	2.1221E-06	0.000105308	0.000292872	0.001345689	0.00018318
2057 Jan	0.001029221	0.082205616	8.98962E-06	1.268409729	2.770865679	0.01904186	0.000460104	8.68405056	0.001532036	0.009380341	0.000107012	0.00016762	8.43618E-05	0.081988558	2.1223E-06	0.000105306	0.000293984	0.001345826	0.000182908
2057 Feb	0.0010301	0.082473546	8.99158E-06	1.270358324	2.775800943	0.019205244	0.000460017	8.688454628	0.001533147	0.009385482	0.00010776	0.000167694	8.44116E-05	0.082196884	2.12245E-06	0.000105314	0.000295584	0.001346166	0.000182772
2057 Mar	0.001031701	0.082709491	9.00244E-06	1.272803426	2.781513691	0.019315317	0.00046047	8.700307846	0.001535421	0.009398496	0.000108286	0.000167917	8.45305E-05	0.082399994	2.12484E-06	0.000105433	0.000296779	0.001347816	0.000182897
2057 Apr	0.001036711	0.083172753	9.04437E-06	1.27925384	2.795821428	0.019454964	0.000462556	8.741618156	0.001542816	0.009443241	0.000109016	0.000168711	8.49341E-05	0.082843229	2.13464E-06	0.000105919	0.0002986 4	0.001354109	0.000183694
2057 May	0.001081272	0.100295722	9.23212E-06	1.397954941	3.088974476	0.030064294	0.000441309	8.955181122	0.001617675	0.009759508	0.000206315	0.000182889	9.29736E-05	0.095358431	2.15557E-06	0.000105568	0.000416776	0.00142901	0.000174407
2057 Jun	0.00100137	0.074635327	7.85221E-06	1.356538415	3.515224695	0.0295114	0.000343349	12.13062859	0.001940543	0.007790482	0.000199745	0.000318721	0.000116974	0.088303685	2.11997E-06	0.000123789	0.000487643	0.001675047	0.000318749
2057 Jul	0.000959561	0.078625895	8.80466E-06	1.282012582	3.036674976	0.024927035	0.000306315	10.28723717	0.0017764	0.008441833	0.000168208	0.000296255	0.000102237	0.080653377	2.1959E-06	0.000111414	0.000459789	0.001784472	0.000253169
2057 Aug	0.0010179	0.085112177	9.60735E-06	1.35052681	3.095848322	0.025216637	0.000332055	10.35826492	0.001825042	0.00912222	0.000169528	0.000291305	0.000104272	0.084728815	2.34299E-06	0.000113957	0.000453768	0.001850799	0.000245347
2057 Sep	0.001015202	0.086441904	9.85206E-06	1.33577013	2.91303587	0.023027712	0.000371528	9.49232769	0.001718619	0.009466102	0.000146777	0.000250588	9.63492E-05	0.084030844	2.3281E-06	0.000109552	0.000408749	0.001758322	0.000208191
2057 Oct	0.001010668	0.087744854	9.87638E-06	1.299760699	2.722364664	0.020669809	0.000408195	8.58894062	0.00159329	0.009818735	0.000124516	0.000210416	8.65273E-05	0.082342334	2.27065E-06	0.000105611	0.000371834	0.001644353	0.000171924
2057 Nov	0.001013197	0.088175513	9.90963E-06	1.299255967	2.706963539	0.020439588	0.000414007	8.502784729	0.001582567	0.009892668	0.000122126	0.00020606	8.55697E-05	0.082384132	2.27045E-06	0.000105444	0.000368377	0.0016352	0.000167936
2057 Dec	0.001013693	0.088238962	9.9153E-06	1.29953289	2.706161976	0.020422591	0.000414669	8.496638298	0.001581933	0.009902247	0.000121927	0.000205694	8.54991E-05	0.082408786	2.271E-06	0.000105454	0.000368137	0.00163473	0.000167595
2058 Jan	0.00101419	0.088405535	9.91578E-06	1.300537944	2.708396673	0.020513892	0.000414767	8.495464325	0.001582031	0.00990623	0.000122294	0.000205551	8.54863E-05	0.082528755	2.2707E-06	0.000105439	0.00036894	0.001634277	0.000167363
2058 Feb	0.001014907	0.0886259	9.91647E-06	1.302122712	2.712524891	0.020651057	0.000414705	8.498991013	0.001582882	0.009909877	0.000122915	0.000205582	8.55246E-05	0.082702264	2.27064E-06	0.000105441	0.000370238	0.001634319	0.00016725
2058 Mar	0.001015621	0.088774309	9.92001E-06	1.303402066	2.715640783	0.020732423	0.000414803	8.503623962	0.00158385	0.009915026	0.000123294	0.000205665	8.55727E-05	0.082823239	2.27134E-06	0.000105477	0.000371064	0.001634863	0.000167242
2058 Apr	0.00101872	0.089094266	9.94832E-06	1.307586193	2.724615574	0.020833805	0.000415959	8.528803825	0.0015886	0.009944239	0.000123836	0.000206257	8.58269E-05	0.083111763	2.27775E-06	0.000105776	0.000372519	0.001639506	0.000167681
2058 May	0.001098907	0.111114383	9.68365E-06	1.501088738	3.365835428	0.037905663	0.000397131	9.822244644	0.001770995	0.009977535	0.000278835	0.000236402	0.000104301	0.103932485	2.2532E-06	0.000111247	0.000544074	0.00166978	0.000186744
2058 Jun	0.001109673	0.082171611	7.84375E-06	1.538645029	4.231647015	0.037056647	0.000411897	15.48892117	0.002247485	0.007943764	0.000264594	0.000359181	0.000139132	0.104768954	2.17549E-06	0.000151068	0.000543705	0.001665602	0.000378231
2058 Jul	0.001072944	0.082080163	8.72238E-06	1.462550879	3.782553911	0.030919299	0.000383423	13.89391232	0.002112983	0.008516082	0.000215804	0.00034364	0.000126029	0.095913269	2.27263E-06	0.000141499	0.000502874	0.001783111	0.000330055
2058 Aug	0.001058087	0.085817941	9.36315E-06	1.413953781	3.390422106	0.027343193	0.000382486	12.08465195	0.001933138	0.008917444	0.000189954	0.000288415	0.000113118	0.091592245	2.30084E-06	0.000127334	0.000426266	0.001707364	0.000267599
2058 Sep	0.001034325	0.085529432	9.396E-06	1.342831969	2.981080055	0.022245897	0.000455242	10.0982008	0.001678692	0.009427236	0.000137533	0.000206336	9.42559E-05	0.087586641	2.19552E-06	0.000117152	0.000342627	0.001483158	0.000197752
2058 Oct	0.001066855	0.085754819	9.16793E-06	1.357820034	3.064079762	0.021767139	0.000508554	10.36747551	0.001675633	0.009681445	0.000128211	0.000190893	9.31416E-05	0.089908011	2.1562E-06	0.000123137	0.000331297	0.001382897	0.000201908
2058 Nov	0.00107302	0.086004712	9.17306E-06	1.363763571	3.083826303	0.021824472	0.000514463	10.43913651	0.001682244	0.009726886	0.000128095	0.00019061	9.34709E-05	0.090418257	2.15958E-06	0.000124125	0.000331673	0.001379104	0.000203423
2058 Dec	0.001073068	0.086051062	9.17793E-06	1.363452792	3.080990791	0.0217946	0.000514799	10.42416954	0.001680718	0.009734647	0.000127813	0.000190166	9.3341E-05	0.090396151	2.1597E-06	0.00012405	0.000331372	0.00137868	0.000202888
2059 Jan	0.001073512	0.086239971	9.17943E-06	1.364456058	3.082858562	0.021894649	0.000514742	10.41964626	0.001680641	0.009739194	0.000128214	0.000190026	9.33126E-05	0.090516768	2.15949E-06	0.000124002	0.000332324	0.001378543	0.000202568
2059 Feb	0.001074266	0.086488277	9.18071E-06	1.366177678	3.087189436	0.022047313	0.000514595	10.42209435	0.001681512	0.009743357	0.000128906	0.000190072	9.33491E-05	0.090704836	2.1595E-06	0.00012399	0.000333806	0.001378776	0.000202414
2059 Mar	0.001074676	0.086623669	9.18141E-06	1.367116094	3.089550018	0.022130573	0.000514514	10.42342472	0.001681986	0.009745622	0.000129283	0.000190097	9.33689E-05	0.090807378	2.15951E-06	0.000123984	0.000334614	0.001378902	0.00020233
2059 Apr	0.001078547	0.086994112	9.21288E-06	1.372278214	3.10135293	0.022253014	0.000516209	10.45945454	0.001687948	0.009779894	0.000129936	0.000190754	9.36962E-05	0.091173217	2.16682E-06	0.0001244	0.000336208	0.00138364	0.000202967
2059 May	0.001140576	0.108768061	9.22632E-06	1.544545293	3.612643957	0.037913743	0.000477808	11.28473568	0.001841162	0.009922982	0.000273978	0.000223779	0.000109208	0.109211333	2.18023E-06	0.00012655	0.000507172	0.00148355	0.000210269
2059 Jun	0.001115971	0.10135863	8.56487E-06	1.610578418	4.185678842	0.044477683	0.000386562	14.48266315	0.002194481	0.008712685	0.000336695	0.00035106	0.000135964	0.113006704	2.21299E-06	0.000145474	0.000640991	0.001774729	0.00031875
2059 Jul	0.001098256	0.102189891	9.45579E-06	1.56577909	3.86523056	0.039830647	0.000364406	13.28370476	0.002116092	0.009341571	0.000297733	0.000348101	0.000126895	0.106554262	2.33689E-06	0.000138258	0.000625809	0.001933715	0.00028425
2059 Aug	0.001132642	0.106074356	1.00576E-05	1.599040627	3.838236094	0.039062239	0.00038197	13.05999184	0.002120267	0.009820368	0.000290485	0.00033662	0.000126185	0.108061127	2.43729E-06	0.000137792	0.000605942	0.001963753	0.000271523
2059 Sep	0.001096452	0.102828339	1.01756E-05	1.502268195	3.369127989	0.032303091	0.000427667	11.0465765	0.00187199	0.010146437	0.000227094	0.000262999	0.000107611	0.100699268	2.36153E-06	0.000125252	0.000503843	0.001777881	0.000208162
2059 Oct	0.001086405	0.090299912	9.20692E-06	1.384111762	3.119066477	0.023243576	0.000535987	10.44922543	0.001672532	0.010041195	0.000139657	0.00018469	9.21276E-05	0.093298703	2.14064E-06	0.000126807	0.000354749	0.001365205	0.000191665
2059 Nov	0.001097034	0.089463532	9.13609E-06	1.39219141	3.17011857	0.023040881	0.000549189	10.72375011	0.001691994	0.010038522	0.000136613	0.000184779	9.33676E-05	0.093982399	2.13826E-06	0.000129566	0.000348297	0.001342457	0.00019939

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.001096942	0.089496516	9.14068E-06	1.391689777	3.166680098	0.023004519	0.000549408	10.70648575	0.001690246	0.010045128	0.000136284	0.000184316	9.32248E-05	0.093942791	2.1383E-06	0.000129464	0.00034791	0.00134202	0.000198825
2060 Jan	0.001097532	0.089702778	9.14366E-06	1.392904282	3.1689744	0.023111274	0.000549371	10.70285225	0.001690401	0.010050864	0.000136711	0.000184207	9.3209E-05	0.094077758	2.13843E-06	0.000129423	0.000348937	0.001342134	0.000198525
2060 Feb	0.001098429	0.089973345	9.14601E-06	1.394857883	3.173841238	0.023274995	0.000549244	10.70635128	0.001691496	0.010056094	0.000137455	0.000184279	9.32577E-05	0.094284683	2.13868E-06	0.00012942	0.000350536	0.001342552	0.000198386
2060 Mar	0.001099457	0.090164416	9.1518E-06	1.396604657	3.178044796	0.023375252	0.000549446	10.71352482	0.001692923	0.010063887	0.000137925	0.000184409	9.333E-05	0.094443366	2.13987E-06	0.000129482	0.000351575	0.00134344	0.000198408
2060 Apr	0.001104946	0.090674192	9.19594E-06	1.403823376	3.194598675	0.023535751	0.000552015	10.76542091	0.001701288	0.010113224	0.000138805	0.000185306	9.37876E-05	0.09495417	2.1501E-06	0.000130096	0.000353728	0.001349942	0.000199307
2060 May	0.001216674	0.134517431	9.08561E-06	1.756412387	4.287004471	0.05699949	0.000447514	12.72628784	0.002043256	0.010070518	0.000449365	0.000265286	0.000128861	0.13202706	2.16207E-06	0.000133754	0.000715209	0.00157177	0.000223112
2060 Jun	0.001156423	0.094972424	8.42529E-06	1.666828871	4.5044384	0.043150645	0.000440024	16.76984787	0.002378278	0.008566805	0.000321479	0.000379769	0.000147474	0.11643137	2.25053E-06	0.000166623	0.00061561	0.001754219	0.000371622
2060 Jul	0.001144413	0.09487351	9.3218E-06	1.62534368	4.201209068	0.038025845	0.000422437	15.69921112	0.002313336	0.009194449	0.000277643	0.000378267	0.000139156	0.109899059	2.386E-06	0.000160843	0.000593569	0.00191158	0.000342807
2060 Aug	0.00107683	0.091165513	9.66156E-06	1.509201407	3.565159082	0.030947536	0.00043361	12.89929867	0.002005074	0.009186788	0.000215366	0.000287538	0.000118807	0.100286104	2.32718E-06	0.000137476	0.000452977	0.001707681	0.000259466
2060 Sep	0.001058827	0.083219886	9.12564E-06	1.444514871	3.312397957	0.025075452	0.000531617	11.88752079	0.001812003	0.009099757	0.000152382	0.000205776	0.000106044	0.096872061	2.16842E-06	0.000133735	0.000325936	0.001358351	0.000225687
2060 Oct	0.001159799	0.086876214	8.80784E-06	1.555153728	3.881380558	0.029254366	0.000576771	14.41809654	0.002055606	0.009396614	0.000187881	0.000254112	0.000121215	0.106552176	2.20823E-06	0.000158186	0.000393146	0.001390613	0.000294397
2060 Nov	0.001181758	0.08750622	8.73708E-06	1.583506703	4.021844864	0.030353939	0.000585779	15.06489754	0.002118916	0.009425896	0.000197244	0.00026692	0.000125384	0.108943023	2.21994E-06	0.000164069	0.000408834	0.001401632	0.000311787
2060 Dec	0.00118201	0.087577693	8.74542E-06	1.583307505	4.018725395	0.030318987	0.000586149	15.04685783	0.002117347	0.0094372	0.000196908	0.000266451	0.00012524	0.108921833	2.22069E-06	0.000163978	0.000408554	0.001401688	0.000311184
2061 Jan	0.001182666	0.08780437	8.747E-06	1.584728956	4.022059441	0.030449985	0.00058601	15.04616356	0.002117847	0.009441835	0.00019748	0.000266436	0.000125249	0.109080702	2.22068E-06	0.000163948	0.000409847	0.001401874	0.000310972
2061 Feb	0.00118354	0.088101521	8.74825E-06	1.586759925	4.027235985	0.0306351	0.000585762	15.04873085	0.002118884	0.009446304	0.000198322	0.000266509	0.000125294	0.109303631	2.22067E-06	0.000163924	0.000411655	0.001402207	0.000310797
2061 Mar	0.001184323	0.088289194	8.75171E-06	1.588250518	4.030849457	0.030741073	0.000585795	15.05271435	0.002119881	0.009451775	0.000198807	0.000266586	0.00012534	0.109450653	2.22128E-06	0.000163946	0.000412719	0.001402754	0.000310742
2061 Apr	0.001190013	0.088788062	8.79248E-06	1.596128345	4.050718307	0.030937571	0.000588406	15.12138557	0.002129813	0.009496814	0.000199962	0.000267805	0.00012592	0.110018887	2.23146E-06	0.000164683	0.000415153	0.001409273	0.000312078
2061 May	0.001260456	0.119298026	8.89272E-06	1.817495346	4.678882599	0.052202385	0.000521491	15.99281311	0.002314722	0.009701048	0.000398734	0.00031269	0.000145321	0.133515954	2.24795E-06	0.00016542	0.000651755	0.001566509	0.0003119
2061 Jun	0.001163385	0.093403839	8.66464E-06	1.728061199	4.597628593	0.042253606	0.000476237	17.97679329	0.002481836	0.00873913	0.000312701	0.000400274	0.000152812	0.119858332	2.31622E-06	0.000186987	0.000610639	0.001793779	0.000387795
2061 Jul	0.001126761	0.096125945	9.63273E-06	1.627333403	4.037231922	0.036230572	0.000428788	15.47170544	0.002274399	0.009399134	0.000267521	0.000367597	0.000135222	0.109367892	2.40944E-06	0.000167095	0.00056413	0.00189611	0.000320361
2061 Aug	0.001156833	0.100528568	1.02375E-05	1.644747853	3.956959009	0.03520314	0.000437133	14.94589329	0.002249141	0.00987834	0.000259889	0.000350629	0.000132532	0.109747283	2.50085E-06	0.000163319	0.000539495	0.001917144	0.000300755
2061 Sep	0.001115492	0.098148562	1.03104E-05	1.558223844	3.546298265	0.030497627	0.000459465	12.95683575	0.002025834	0.01002437	0.000214389	0.000288646	0.000116963	0.103312969	2.43011E-06	0.000147498	0.000464802	0.001777306	0.000244159
2061 Oct	0.001103473	0.093354642	9.53156E-06	1.461991191	3.274668694	0.025171855	0.000548665	11.6012392	0.001788981	0.010193487	0.000159448	0.000208542	9.96203E-05	0.098807499	2.2147E-06	0.000142184	0.000375046	0.001431138	0.000204095
2061 Nov	0.00112537	0.092728838	9.3277E-06	1.489992738	3.412433863	0.025817733	0.000577067	12.24882412	0.001836507	0.010177272	0.000162397	0.000210542	0.000103024	0.101567306	2.19848E-06	0.000149134	0.000374325	0.001381688	0.00022024
2061 Dec	0.001125821	0.092769593	9.33181E-06	1.490370154	3.412728548	0.025813002	0.000577467	12.24800205	0.001836569	0.010183396	0.000162314	0.000210421	0.000103011	0.101593845	2.19917E-06	0.00014916	0.000374281	0.001381761	0.000220152
2062 Jan	0.001126875	0.092993341	9.33231E-06	1.492592216	3.419442654	0.025972616	0.000577498	12.26360226	0.001838752	0.010186423	0.00016312	0.000210724	0.000103146	0.101813652	2.19961E-06	0.000149264	0.000375835	0.001382266	0.000220383
2062 Feb	0.001127863	0.093293205	9.33445E-06	1.494740725	3.424919844	0.026156818	0.000577327	12.26736069	0.001839961	0.010191781	0.000163955	0.000210808	0.000103201	0.102043107	2.19982E-06	0.000149252	0.000377632	0.0013827	0.00022024
2062 Mar	0.001129806	0.093574338	9.34743E-06	1.497759938	3.432068586	0.026288845	0.000577955	12.28410816	0.00184286	0.010207626	0.000164604	0.000211104	0.000103355	0.102294073	2.20269E-06	0.000149427	0.000379074	0.001384661	0.000220419
2062 Apr	0.001135556	0.094119526	9.39323E-06	1.505636811	3.450250387	0.02647244	0.000580687	12.3441143	0.001852085	0.010258595	0.000165652	0.00021214	0.000103867	0.102857716	2.21337E-06	0.000150141	0.000381456	0.001391466	0.000221426
2062 May	0.001151344	0.095462523	9.52322E-06	1.52669549	3.49853301	0.026864318	0.000588651	12.51436424	0.001877762	0.010400918	0.000168095	0.000215076	0.000105308	0.104308084	2.24393E-06	0.000152205	0.000386989	0.001410759	0.000224445
2062 Jun	0.001113334	0.090406485	9.02111E-06	1.638551116	4.118904591	0.035588216	0.000486529	16.18658257	0.00228541	0.009128727	0.000253913	0.000359653	0.000136452	0.111396275	2.30826E-06	0.000179347	0.000545344	0.001758249	0.000333585
2062 Jul	0.001066838	0.092976026	9.54029E-06	1.547731996	3.691220284	0.032593496	0.000409534	14.3011837	0.002125566	0.009221898	0.000242214	0.000340378	0.000124757	0.102856442	2.34162E-06	0.000161371	0.00051251	0.001817019	0.000285311
2062 Aug	0.001024719	0.087062828	9.60797E-06	1.466806531	3.224948406	0.02651231	0.000459935	12.08160305	0.001860344	0.008977297	0.000181521	0.000238174	0.000109394	0.096789643	2.25707E-06	0.000140063	0.000347982	0.001506125	0.000219949
2062 Sep	0.001153316	0.08951588	9.19872E-06	1.661512017	3.993443727	0.031752039	0.000583003	15.56725788	0.002182293	0.009394593	0.000214053	0.000282994	0.000130409	0.113365598	2.30614E-06	0.000179647	0.000412182	0.001471417	0.0003047
2062 Oct	0.001235954	0.09333656	9.07708E-06	1.776711583	4.384435177	0.034150854	0.00065855	17.35874557	0.002348596	0.00995936	0.000230216	0.00030825	0.000139662	0.122838423	2.35337E-06	0.000206705	0.000455912	0.001466494	0.000345962
2062 Nov	0.001233584	0.093773052	9.15044E-06	1.765739799	4.321267128	0.033495825	0.000660115	17.02322006	0.002316494	0.010059201	0.000224279	0.000300425	0.000137121	0.121930599	2.35408E-06	0.000204312	0.000449372	0.001461074	0.000336462
2062 Dec	0.001233389	0.093815893	9.15717E-06	1.764577985	4.315515995	0.033437073	0.000660173	16.99176788	0.002313485	0.010068153	0.000223748	0.000299697	0.000136884	0.121839203	2.35405E-06	0.000204043	0.000448798	0.001460635	0.000335579
2063 Jan	0.001233721	0.094012655	9.15974E-06	1.76515615	4.315890312	0.033527113	0.00065994	16.97783089	0.002312594	0.010073449	0.000224036	0.000299399	0.000136796	0.121927261	2.35374E-06	0.00020388	0.000449658	0.001460506	0.000335055
2063 Feb	0.001234499	0.09427765	9.16192E-06	1.766812325	4.319864273	0.033682402	0.0006597 25	16.97663689	0.00231321	0.010078474	0.000224711	0.000299385	0.000136812	0.122111887	2.35381E-06	0.000203821	0.000451173	0.001460815	0.000334815
2063 Mar	0.00123521	0.094444022	9.16524E-06	1.76812613	4.32303524	0.033774868	0.000659761	16.97994041	0.002314084	0.010083558	0.000225132	0.000299448	0.000136852	0.122240931	2.35439E-06	0.000203836	0.000452103	0.001461323	0.000334762
2063 Apr	0.001238666	0.094772197	9.18977E-06	1.773242712	4.335521698	0.033911049	0.000661411	17.02375984	0.002320298	0.010111363	0.000225928	0.000300223	0.000137213	0.122616477	2.36054E-06	0.000204349	0.000453751	0.001462222	0.000335558
2063 May	0.001276788	0.115079723	9.29382E-06	1.908613682	4.684434414	0.047681496	0.000610935	17.20358658	0.002409868	0.010245135	0.0003546	0.000323398	0.000148007	0.137180209	2.36992E-06	0.000201391	0.000605633	0.001566925	0.000327094
2063 Jun	0.001166597	0.096103534	8.93919E-06	1.926282763	4.691786766	0.04413157	0.000549934	19.01056099	0.002607163	0.009106272	0.000327872	0.000423008	0.000161494	0.131863043	2.46061E-06	0.000234909	0.000624486	0.00181043	0.000402748
2063 Jul	0.00109337	0.094912797	9.58477E-06	1.755391955	4.003247261	0.036691442	0.000480579	15.9180088	0.002322941	0.00943735	0.000270513	0.000380947	0.000139191	0.116475962	2.47328E-06	0.000205037	0.00056513	0.001874112	0.000327076
2063 Aug	0.00110779	0.09810286	1.01721E-05	1.729202867	3.80229044	0.034342058	0.000481789	14.78766346	0.002228791	0.009839139	0.000251158	0.000346462	0.000132024	0.113818265	2.53079E-06	0.000191963	0.000517152	0.001856587	0.000291825
2063 Sep	0.001021938	0.091793686	1.02107E-05	1.528971314	3.068612099	0.02602173	0.000491723	11.16582298	0.001820216	0.009758837	0.000171161	0.000235283	0.000104633	0.099458694	2.36955E-06	0.000150717	0.000377335	0.001610411	0.000192477
2063 Oct	0.001077086	0.092675589	9.76116E-06	1.571888089	3.278671265	0.026408575	0.000566261	12.02204418	0.001860801	0.010074885	0.000169546	0.000226169	0.000106211	0.104482025	2.31508E-06	0.000165704	0.000376405	0.001474652	0.000212053
2063 Nov	0.001088638	0.093120568	9.73212E-06	1.583741903	3.32073617	0.026567744	0.000578679	12.19055653	0.001873687	0.010153186	0.000170028	0.00022585	0.000106856	0.105574198	2.31579E-06	0.000168448	0.000377723	0.00146108	0.000215703
2063 Dec	0.001089211	0.093198337	9.74079E-06	1.583618402	3.318781853	0.026536494	0.000579158	12.17606544	0.001872501	0.010165525	0.000169699	0.000225397	0.000106736	0.105563097	2.31668E-06	0.000168333	0.00037747	0.001461159	0.000215211
2064 Jan	0.001089782	0.093398727	9.74255E-06	1.584499478	3.320755005	0.026638439	0.000579054	12.1696682	0.001872309	0.010170807	0.000170075	0.000225214	0.000106695	0.105678447	2.31646E-06	0.000168225	0.000378454	0.00146104	0.000214873
2064 Feb	0.001090768	0.093676813	9.74514E-06	1.586447477	3.325800657	0.026803896	0.000578941	12.17294884	0.00187341	0.010176679	0.000170817	0.000225273	0.000106742	0.105887033	2.31673E-06	0.000168205	0.00038008	0.001461472	0.000214734
2064 Mar	0.001092876	0.093962848	9.76059E-06	1.589792848	3.333335638	0.026932357	0.000579715	12.19228554	0.00187671	0.010194544	0.000171466	0.00022563	0.000106921	0.106152959	2.32023E-06	0.000168437	0.000381511	0.001463815	0.000214967
2064 Apr	0.001096237	0.094310321	9.78873E-06	1.594838023	3.344204426	0.027057886	0.000581305	12.22745037	0.001882303	0.010224894	0.000172171	0.00022628	0.000107235	0.10651359	2.32681E-06	0.000168903	0.000383072	0.001468048	0.000215528
2064 May	0.001187355	0.11533089	9.68794E-06	1.842563391	4.11032629	0.044344135	0.000569786	14.46754742	0.002171564	0.010310927	0.000329561	0.000286085	0.000132299	0.129823208	2.3808E-06	0.000188958	0.000570435	0.001582003	0.000258715
2064 Jun	0.001136193	0.101255648	9.31027E-06	1.932779789	4.488903522	0.044744939	0.000531868	17.79812622	0.00251722	0.009424424	0.000336956	0.000416905	0.000155491	0.131291091	2.49966E-06	0.000233128	0.000650862	0.001886501	0.000364184
2064 Jul	0.00104092	0.098615438	9.89649E-06	1.648792267	3.543164015	0.034170814	0.00042842	13.52984142	0.002090167	0.009606943	0.00025849	0.000340235	0.000123137	0.108189203	2.43433E-06	0.000182217	0.000536193	0.001861089	0.000258964
2064 Aug	0.001044247	0.096675389	9.98101E-06	1.574406266	3.262760401	0.029525379	0.000443042	12.24889946	0.001924761	0.009511014	0.000222033	0.000271214	0.000112871	0.102795467	2.38786E-06	0.000165453	0.000406725	0.001628861	0.000221991
2064 Sep	0.001137519	0.093254767	9.47323E-06	1.780999064	3.889625311	0.032555986	0.000625693	15.11778736	0.002166773	0.00974181	0.000222117	0.000279772	0.00013037	0.119644716	2.40477E-06	0.000206839	0.000414023	0.001468008	0.000287459
2064 Oct	0.001194236	0.096200608	9.45672E-06	1.866196632	4.164897442	0.034544703	0.000673278	16.31990242	0.002286402	0.01010548	0.00023611	0.000298364	0.000137516	0.126395166	2.45153E-06	0.000224307	0.000445681	0.001479306	0.000315453
2064 Nov	0.001198914	0.096630201	9.50174E-06	1.871954679	4.175148487	0.034608871	0.000676008	16.34959412	0.002292028	0.010156662	0.000236378	0.000298688	0.000137779	0.126777351	2.461E-06	0.000224818	0.000446786	0.001484641	0.000315718
2064 Dec	0.001199045	0.096669123	9.50707E-06	1.871330142	4.172358513	0.034574602	0.00067613	16.33304977	0.002290498	0.010163984	0.000236053	0.000298268	0.000137647	0.126730815	2.46121E-06	0.000224646	0.000446492	0.001484562	0.000315232
2065 Jan	0.001199296	0.096793607	9.5084E-06	1.871596932	4.172744751	0.034631662	0.000675964	16.32469177	0.002289944	0.01016733	0.000236226	0.000298077	0.000137589	0.126782849	2.46091E-06	0.00022452	0.000447051	0.001484455	0.000314914
2065 Feb	0.001199983	0.096977554	9.51098E-06	1.872882366	4.175970078	0.034736607	0.000675911	16.32650566	0.002290675	0.010171963	0.000236691	0.00029811	0.000137618	0.126917943	2.46124E-06	0.000224503	0.000448096	0.001484852	0.000314811
2065 Mar	0.001202293	0.09723419	9.52773E-06	1.876603246	4.184461594	0.034849811	0.000676973	16.35382271	0.002294767	0.010190894	0.000237326	0.000298609	0.000137856	0.127196252	2.46539E-06	0.000224857	0.000449388	0.001487463	0.000315263
2065 Apr	0.001208526	0.097778291	9.57622E-06	1.886397839	4.206413269	0.035056997	0.000680345	16.43625069	0.002306481	0.010243351	0.000238659	0.000300114	0.000138555	0.127875105	2.47784E-06	0.000225977	0.000451963	0.001495032	0.000316809
2065 May	0.001279322	0.138780013	9.60581E-06	2.112773895	4.851130486	0.06229477	0.000573724	16.4106617	0.002429506	0.010520615	0.000493659	0.000335316	0.00015591	0.154882133	2.43343E-06	0.000212322	0.000757435	0.001661771	0.000289013
2065 Jun	0.001196727	0.103696965	9.22441E-06	2.095870972	4.923642159	0.048708756	0.000600727	19.88998604	0.002717505	0.00947734	0.000370132	0.000444765	0.000170938	0.143134043	2.57654E-06	0.000265012	0.000671215	0.001858318	0.000408056
2065 Jul	0.001180671	0.103570573	1.012E-05	2.009652615	4.534280777	0.042738378	0.00056521	18.26954842	0.002598483	0.010075479	0.000320326	0.000431393	0.000158875	0.133577392	2.68854E-06	0.000248523	0.000636581	0.001999772	0.000368784
2065 Aug	0.001157767	0.103192836	1.05685E-05	1.907125354	4.120410919	0.038033791	0.000554442	16.16497421	0.002390174	0.010256308	0.00027857	0.000370253	0.000144272	0.125614941	2.674E-06	0.000221382	0.000552064	0.001915051	0.000310936
2065 Sep	0.001101275	0.095610753	9.90382E-06	1.684094548	3.497924089	0.029168427	0.000601275	13.05892563	0.001975322	0.010221256	0.000193594	0.000249872	0.000115073	0.111826107	2.39579E-06	0.000186888	0.000406758	0.001520478	0.000229265
2065 Oct	0.001259258	0.09895435	9.29239E-06	2.041189194	4.674420834	0.039039351	0.000744794	18.81594658	0.002526934	0.010273986	0.000273874	0.00034525	0.000154638	0.139044866	2.53261E-06	0.000262911	0.000499301	0.001504547	0.000370456
2065 Nov	0.001261592	0.099283658	9.34139E-06	2.03713274	4.652285576	0.03866991	0.000748315	18.68663597	0.002514023	0.010351451	0.000270332	0.000341179	0.000153476	0.138714954	2.53533E-06	0.000261901	0.000495628	0.001501346	0.000366208
2065 Dec	0.001261013	0.099292569	9.34614E-06	2.034609556	4.643946648	0.038581524	0.000747955	18.64297867	0.002509573	0.010358139	0.000269553	0.000340183	0.000153133	0.138534531	2.53421E-06	0.000261379	0.00049475	0.001500409	0.000365066
2066 Jan	0.001261586	0.099510998	9.34871E-06	2.03551054	4.645964146	0.038694695	0.000747698	18.63535118	0.002509398	0.010363302	0.000269978	0.000340015	0.000153092	0.138654724	2.53405E-06	0.000261231	0.000495856	0.001500538	0.000364699
2066 Feb	0.001262959	0.099840939	9.35451E-06	2.03806448	4.652351856	0.038882792	0.000747705	18.64209175	0.002511128	0.010372509	0.000270835	0.000340148	0.000153173	0.138910353	2.53504E-06	0.000261248	0.000497742	0.00150149	0.000364604
2066 Mar	0.00126666	0.100256115	9.37975E-06	2.044183254	4.666562557	0.039074894	0.000749453	18.68845749	0.002517859	0.010402051	0.000271922	0.000340995	0.000153568	0.139371872	2.5415E-06	0.000261857	0.000499921	0.001505512	0.00036538
2066 Apr	0.001271262	0.100690298	9.41259E-06	2.051693201	4.68384552	0.039261449	0.000751923	18.75163841	0.002526647	0.010439354	0.000273077	0.000342148	0.000154096	0.139909253	2.55018E-06	0.000262719	0.000502149	0.001510766	0.000366541
2066 May	0.001290507	0.108404942	9.54782E-06	2.094776392	4.785410404	0.043671738	0.00073713	18.67258644	0.002547291	0.010603084	0.000313782	0.000346136	0.00015668	0.144644275	2.56388E-06	0.000259727	0.00055207	0.001551159	0.000359172
2066 Jun	0.001140653	0.099226125	9.37685E-06	2.041726828	4.600581169	0.044257388	0.000590355	18.66167641	0.00260122	0.009505244	0.000332418	0.000435638	0.000162046	0.136257648	2.59211E-06	0.000264035	0.00064158	0.001892232	0.000381119
2066 Jul	0.001062332	0.100585975	1.03645E-05	1.77239573	3.682919741	0.034948062	0.000473643	14.27247429	0.002202612	0.010051271	0.000262154	0.000370678	0.000130324	0.11427854	2.59068E-06	0.000208183	0.000567916	0.001987335	0.000272692
2066 Aug	0.001063602	0.101992853	1.08114E-05	1.695525527	3.380144596	0.031311847	0.000464362	12.68897629	0.002046249	0.010284504	0.000232428	0.000318396	0.000119151	0.108496286	2.59443E-06	0.000185717	0.000491377	0.001905098	0.000227599
2066 Sep	0.001047811	0.098564595	1.05703E-05	1.587033629	3.066913605	0.026457453	0.000509879	11.00853539	0.001824632	0.010432239	0.000181474	0.000245596	0.00010325	0.102232985	2.45755E-06	0.000165902	0.000408867	0.001682842	0.0001806
2066 Oct	0.001099837	0.097079895	9.94772E-06	1.640327215	3.29194355	0.026430976	0.000614418	11.94947433	0.00185486	0.010618	0.000171715	0.000223519	0.000105103	0.108293243	2.37323E-06	0.00018354	0.000384645	0.00146844	0.00020056

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.001122228	0.097135879	9.81579E-06	1.690928578	3.452475309	0.027611906	0.000643258	12.71774101	0.001923609	0.010627352	0.000179928	0.000232317	0.000110146	0.112262011	2.383E-06	0.000194677	0.00039215	0.001444159	0.000219254
2066 Dec	0.001122742	0.097207546	9.82467E-06	1.690523386	3.450057983	0.02757607	0.000643602	12.70102024	0.001922216	0.01063916	0.000179555	0.00023182	0.00011001	0.11223308	2.38375E-06	0.000194489	0.000391844	0.001444269	0.000218723
2067 Jan	0.001123368	0.097419493	9.82707E-06	1.691394091	3.45216465	0.027684078	0.00064343	12.6942606	0.001922063	0.010644688	0.000179949	0.000231632	0.000109969	0.11235173	2.38357E-06	0.000194346	0.000392887	0.00144427	0.000218375
2067 Feb	0.001124626	0.097729363	9.83189E-06	1.693735123	3.458120823	0.027862636	0.000643411	12.70015335	0.001923608	0.010652874	0.000180759	0.00023174	0.00011004	0.112590387	2.38434E-06	0.00019435	0.000394667	0.001445054	0.000218275
2067 Mar	0.001126489	0.098000683	9.84481E-06	1.696784258	3.46498847	0.027989224	0.000644073	12.71665382	0.001926463	0.010668482	0.000181389	0.000232042	0.000110194	0.112838395	2.38726E-06	0.000194556	0.00039605	0.001446994	0.000218449
2067 Apr	0.001129915	0.098361313	9.87284E-06	1.702085257	3.476180077	0.028120307	0.000645802	12.75274849	0.001932135	0.010699774	0.00018213	0.000232701	0.000110513	0.113216788	2.39393E-06	0.000195081	0.000397672	0.001451137	0.000219006
2067 May	0.001221307	0.139426529	9.88954E-06	1.985475421	4.287937164	0.05690787	0.000555878	13.54401588	0.002142218	0.010910909	0.000449058	0.000281002	0.000134613	0.144346237	2.38449E-06	0.000190786	0.000710545	0.001621989	0.000212394
2067 Jun	0.001171425	0.108125426	9.49484E-06	2.118875027	4.7585392	0.049301684	0.000598253	18.77236557	0.002635785	0.009735553	0.00037865	0.000437085	0.00016615	0.143455565	2.61464E-06	0.00026773	0.000689402	0.001902088	0.000374247
2067 Jul	0.001121776	0.106771991	1.02985E-05	1.929647088	4.123027325	0.041201495	0.000523948	15.98120499	0.002384512	0.0101782	0.000314111	0.000398275	0.000144796	0.127059743	2.64703E-06	0.000231616	0.00062633	0.001995932	0.000306957
2067 Aug	0.001048293	0.103497162	1.05315E-05	1.6048913	3.162595034	0.030133175	0.000432903	11.508564	0.001889559	0.010015521	0.00023358	0.000273367	0.000109882	0.103509553	2.47869E-06	0.000167785	0.000431467	0.001728568	0.000194618
2067 Sep	0.001043592	0.098971829	1.03708E-05	1.571060777	3.039517879	0.026907215	0.000498535	10.84561157	0.001786634	0.010117057	0.000191882	0.000227631	0.000102634	0.101866528	2.40717E-06	0.000161508	0.000374482	0.001575503	0.000173848
2067 Oct	0.001151321	0.098059639	9.66953E-06	1.77733016	3.723948956	0.030359328	0.00067125	14.05524826	0.002049162	0.010510542	0.00020468	0.000253552	0.000120117	0.118762076	2.41097E-06	0.00021201	0.000408939	0.001431047	0.000248891
2067 Nov	0.00116484	0.098356351	9.65052E-06	1.795875549	3.780532122	0.03052159	0.000690019	14.29539585	0.002068921	0.01061205	0.000204097	0.000253816	0.000121201	0.120293178	2.4161E-06	0.000216054	0.000410975	0.001418615	0.000253667
2067 Dec	0.001165319	0.098435692	9.66121E-06	1.795125365	3.77685833	0.030472368	0.00069029	14.27185249	0.002066923	0.010625724	0.0002036	0.000253185	0.000121014	0.120238133	2.41688E-06	0.00021578	0.000410572	0.001418814	0.000252962
2068 Jan	0.001166019	0.098681018	9.66477E-06	1.79602766	3.778877497	0.030592218	0.000690045	14.26204872	0.002066597	0.010632638	0.000204018	0.000252945	0.000120954	0.120365709	2.41674E-06	0.000215589	0.000411753	0.001418938	0.000252516
2068 Feb	0.001167253	0.099021733	9.6688E-06	1.798373818	3.784948349	0.030791834	0.000689881	14.26561737	0.002067957	0.010640304	0.000204906	0.000253016	0.00012101	0.120616898	2.41721E-06	0.000215546	0.000413729	0.001419618	0.00025234
2068 Mar	0.001170428	0.099419199	9.69174E-06	1.803506613	3.796366453	0.030966289	0.000691273	14.29816723	0.002073132	0.010667299	0.000205828	0.000253598	0.000121299	0.121012099	2.42265E-06	0.000215986	0.00041569	0.001423033	0.000252785
2068 Apr	0.001181717	0.100450017	9.78333E-06	1.821037531	3.833613873	0.031315852	0.000697668	14.4325695	0.002092876	0.010769096	0.000208018	0.000255984	0.000122447	0.12221697	2.44538E-06	0.000217986	0.000420168	0.001436509	0.000255089
2068 May	0.001248784	0.122391142	9.82465E-06	2.031666994	4.439258575	0.048033938	0.000663684	15.78816605	0.002304736	0.010863381	0.000362011	0.000303492	0.000142459	0.14263238	2.48966E-06	0.000227861	0.000603361	0.00156601	0.000274514
2068 Jun	0.001144765	0.101434678	9.49655E-06	2.109377623	4.661274433	0.045382202	0.000616266	18.84864616	0.002631305	0.009634351	0.000344008	0.000444047	0.000165081	0.139930844	2.64453E-06	0.000278408	0.000654318	0.001912551	0.00037941
2068 Jul	0.001047203	0.099999666	1.01024E-05	1.751779199	3.583598375	0.034098122	0.000477964	13.79553986	0.002125042	0.009802661	0.000261513	0.000346592	0.00012678	0.112829633	2.53075E-06	0.000208166	0.000523694	0.001855843	0.000257424
2068 Aug	0.001077648	0.103115134	1.0689E-05	1.741039276	3.457983732	0.03212202	0.000488992	13.01636314	0.002065304	0.010212298	0.000243479	0.000313463	0.00012196	0.111635447	2.59704E-06	0.00019642	0.000473352	0.001827754	0.000231583
2068 Sep	0.00105133	0.098391026	1.04031E-05	1.590145111	3.040694952	0.02583063	0.000538262	10.80524254	0.00178061	0.010414746	0.000176513	0.000224784	0.000101075	0.102764055	2.42092E-06	0.000168594	0.000378489	0.00157574	0.000171387
2068 Oct	0.001080416	0.098752961	1.02435E-05	1.608292699	3.110426903	0.025400233	0.0005896	10.99954414	0.001776544	0.01068139	0.000167195	0.000210253	9.99788E-05	0.105076939	2.39324E-06	0.000174172	0.000369475	0.001492187	0.000173232
2068 Nov	0.001086043	0.099145606	1.02737E-05	1.614522219	3.123654366	0.025440484	0.000594754	11.03890514	0.001781548	0.010739489	0.000167003	0.000209847	0.000100177	0.105548456	2.40012E-06	0.000174974	0.000370032	0.001492451	0.000173638
2068 Dec	0.001086643	0.099209376	1.02809E-05	1.614563107	3.122821569	0.025420452	0.000595183	11.03068066	0.001780978	0.010749678	0.000166764	0.000209537	0.000100105	0.105552442	2.40097E-06	0.000174891	0.000369887	0.00149264	0.00017334
2069 Jan	0.001087171	0.09936887	1.02822E-05	1.61533618	3.124863625	0.02550569	0.000595114	11.02775288	0.001781058	0.010753798	0.000167083	0.000209426	0.000100087	0.105652004	2.40083E-06	0.000174808	0.000370713	0.001492598	0.000173135
2069 Feb	0.001088009	0.099591956	1.02845E-05	1.61694777	3.12913084	0.025639256	0.000595044	11.03147697	0.001782067	0.010758679	0.000167683	0.00020949	0.000100132	0.105823137	2.40112E-06	0.000174797	0.000372029	0.001492996	0.000173053
2069 Mar	0.001088492	0.099716023	1.0286E-05	1.61786592	3.131533623	0.025712717	0.00059502	11.03377342	0.001782659	0.010761602	0.000168015	0.000209531	0.000100159	0.105919018	2.40134E-06	0.000174795	0.000372756	0.001493249	0.000173013
2069 Apr	0.001091211	0.10001073	1.03099E-05	1.622022152	3.13993597	0.025812393	0.000596342	11.05985546	0.001787	0.010787429	0.000168581	0.000210024	0.0001004	0.106211551	2.40685E-06	0.000175186	0.000374008	0.001496746	0.000173378
2069 May	0.001124775	0.10833925	1.05032E-05	1.689340115	3.305720568	0.030595919	0.000593215	11.27697277	0.001840701	0.011041285	0.000211415	0.000218458	0.000105059	0.112628609	2.44408E-06	0.000176301	0.000428117	0.001546094	0.000172644
2069 Jun	0.001137772	0.103587493	9.61613E-06	2.101237774	4.583244324	0.045559045	0.000608735	18.28910828	0.002586929	0.009746107	0.000346838	0.000436795	0.000162147	0.139268965	2.64781E-06	0.000274331	0.000659928	0.001925826	0.000363129
2069 Jul	0.001082757	0.101861492	1.02693E-05	1.907839537	3.971412659	0.038147021	0.000529287	15.5938595	0.002339213	0.010059969	0.000288236	0.00039968	0.000141493	0.123149611	2.65255E-06	0.000237442	0.000603493	0.002006381	0.000299366
2069 Aug	0.001032428	0.0981071	1.04796E-05	1.701265454	3.331817627	0.030707037	0.000497071	12.48911476	0.001996747	0.009932069	0.000224193	0.000299898	0.00011816	0.108744942	2.53267E-06	0.000190396	0.00045846	0.001790353	0.000218345
2069 Sep	0.001133237	0.097907178	9.93902E-06	1.889892697	3.896076202	0.033566672	0.000656673	15.03539562	0.002197528	0.01017864	0.000235378	0.000301087	0.000133009	0.124170169	2.53942E-06	0.000231544	0.000448567	0.001583415	0.000274417
2069 Oct	0.001276146	0.102648214	9.60993E-06	2.192393303	4.774656296	0.040263984	0.000813405	19.09729004	0.002587032	0.010660156	0.000285573	0.000357799	0.000160232	0.146791518	2.66872E-06	0.0002958	0.000510992	0.001534858	0.000369329
2069 Nov	0.001270018	0.102525972	9.64151E-06	2.164764404	4.689324856	0.039289709	0.000809869	18.65958023	0.002541175	0.010717696	0.000276878	0.000347393	0.000156679	0.144843504	2.65425E-06	0.000290367	0.000501013	0.001522096	0.000358286
2069 Dec	0.001269567	0.10254246	9.64742E-06	2.161903143	4.68076849	0.039196432	0.000809399	18.61452484	0.00253659	0.010725705	0.000276041	0.000346328	0.000156315	0.144647539	2.65305E-06	0.000289741	0.000500109	0.00152125	0.00035711
2070 Jan	0.001269779	0.102757633	9.64856E-06	2.161659479	4.680141449	0.039293602	0.000808743	18.59278679	0.002534849	0.010729742	0.000276277	0.000345846	0.000156157	0.144699529	2.65184E-06	0.000289351	0.000501031	0.001520823	0.000356399
2070 Feb	0.001270567	0.103062317	9.64911E-06	2.163259029	4.684679508	0.039481439	0.000808269	18.59043121	0.002535383	0.010733371	0.000277085	0.000345814	0.000156163	0.144901395	2.65137E-06	0.000289207	0.000502851	0.001521002	0.000356115
2070 Mar	0.001272037	0.103312403	9.65734E-06	2.165899038	4.690975189	0.039615657	0.000808675	18.60434151	0.002537747	0.010744174	0.00027775	0.000346079	0.000156294	0.145129636	2.6533E-06	0.000289365	0.00050425	0.001522347	0.000356252
2070 Apr	0.001279125	0.104123861	9.70651E-06	2.178081036	4.718248367	0.039988991	0.000812227	18.69214821	0.00255065	0.010801873	0.000279864	0.000347709	0.000157057	0.146037072	2.66603E-06	0.000290631	0.000508469	0.001530073	0.000357682
2070 May	0.001323544	0.124844551	9.81029E-06	2.322055817	5.109020233	0.054272413	0.000761783	19.02775002	0.002658669	0.010930766	0.000411812	0.000374357	0.000169124	0.161360338	2.68094E-06	0.000288269	0.000665875	0.001638683	0.00035362
2070 Jun	0.001181259	0.113652639	9.68054E-06	2.236402035	4.834462166	0.052099504	0.000635152	18.66007233	0.002662925	0.00997451	0.000405174	0.000443787	0.000170126	0.150364161	2.69909E-06	0.000288459	0.000716754	0.001923029	0.000367128
2070 Jul	0.001087485	0.107977003	1.02661E-05	1.939242721	3.971615314	0.041254885	0.00052512	15.00112534	0.002301149	0.010143055	0.000317843	0.000388294	0.000140656	0.126517788	2.64144E-06	0.000235654	0.000627386	0.001980448	0.000282428
2070 Aug	0.001056905	0.10608688	1.05988E-05	1.739879131	3.388729811	0.033902213	0.000477284	12.2966423	0.00200519	0.010171388	0.000260505	0.000305581	0.00011922	0.112156697	2.56227E-06	0.000192764	0.00049587	0.001820182	0.000212467
2070 Sep	0.001146819	0.10089758	9.90422E-06	1.87989223	3.809765339	0.032860026	0.000676372	14.30131435	0.002121252	0.010525092	0.000229759	0.000279865	0.000126919	0.123881921	2.51735E-06	0.000230934	0.000442712	0.001524003	0.000256203
2070 Oct	0.001275183	0.103344187	9.62668E-06	2.247942209	4.811236858	0.041215934	0.000825936	19.15747452	0.002613837	0.010646496	0.0002944	0.000365845	0.000163177	0.149638966	2.71249E-06	0.00030744	0.000519095	0.001546541	0.000374774
2070 Nov	0.001287628	0.103889592	9.64575E-06	2.282374382	4.898958206	0.042017478	0.000837444	19.57235527	0.002659444	0.010679168	0.000300839	0.000374193	0.000166484	0.151975274	2.73749E-06	0.000313947	0.000527222	0.001557496	0.000384706
2070 Dec	0.001287064	0.10388422	9.64887E-06	2.279597521	4.891276836	0.041934226	0.000836903	19.53324509	0.002655307	0.010683839	0.000300103	0.000373268	0.000166161	0.151787966	2.73599E-06	0.000313371	0.000526398	0.001556551	0.000383696
2071 Jan	0.001287209	0.10404487	9.64991E-06	2.279238939	4.890470028	0.042002447	0.000836377	19.51539612	0.002653814	0.010687157	0.000300239	0.000372861	0.000166027	0.151816189	2.73498E-06	0.000313041	0.000527047	0.001556191	0.000383117
2071 Feb	0.001287737	0.104270071	9.65045E-06	2.280153751	4.893168926	0.042134959	0.000835962	19.51029015	0.00265384	0.010690106	0.000300776	0.000372756	0.000166002	0.151948482	2.73446E-06	0.000312877	0.000528329	0.001556227	0.000382818
2071 Mar	0.001288261	0.104412198	9.65251E-06	2.281071186	4.895539284	0.042215068	0.000835889	19.51107597	0.002654341	0.010693676	0.000301124	0.000372766	0.000166019	0.152048603	2.73467E-06	0.000312845	0.000529126	0.001556531	0.000382724
2071 Apr	0.00129125	0.104711317	9.67384E-06	2.286357164	4.907113552	0.042348929	0.000837592	19.55225754	0.002660168	0.010718039	0.000301951	0.000373551	0.000166375	0.152423173	2.74051E-06	0.00031348	0.000530686	0.001559955	0.00038347
2071 May	0.001333438	0.136897832	9.72991E-06	2.435389042	5.339020252	0.063693173	0.000731274	19.12766647	0.002723003	0.010830563	0.000502887	0.000395339	0.000178065	0.171797335	2.69103E-06	0.000294129	0.000766865	0.001695977	0.000353302
2071 Jun	0.001208867	0.110446304	9.59975E-06	2.38269186	5.06351757	0.052213818	0.000709728	19.9368248	0.002802986	0.00995661	0.000402589	0.000466912	0.00018106	0.157953307	2.81022E-06	0.000325834	0.000702554	0.001897466	0.000407394
2071 Jul	0.001129978	0.104028478	1.0146E-05	2.144436121	4.364484787	0.042484462	0.000624667	17.14245033	0.002530544	0.010130278	0.000321732	0.000430353	0.000157878	0.137989625	2.78854E-06	0.000286134	0.000630825	0.001981053	0.000344738
2071 Aug	0.001116703	0.103680335	1.05539E-05	2.031248569	4.010528564	0.038222428	0.000605872	15.38032627	0.002349927	0.010290226	0.000283555	0.00037467	0.000144662	0.130067348	2.76128E-06	0.000255927	0.000554357	0.0019064	0.000295319
2071 Sep	0.001086056	0.096709691	1.00569E-05	1.819135427	3.495561123	0.030071976	0.000652572	12.8169508	0.001993311	0.010291952	0.000202107	0.000257667	0.000119155	0.117828988	2.50949E-06	0.000217263	0.000407947	0.001530232	0.000225012
2071 Oct	0.001179414	0.100337647	9.7931E-06	2.028680086	4.068361759	0.034694709	0.000754903	15.41090202	0.002246785	0.010605221	0.00023881	0.000296601	0.000137119	0.133150652	2.59969E-06	0.000263073	0.000451471	0.001493383	0.000288496
2071 Nov	0.001212187	0.101940133	9.77454E-06	2.08958292	4.228898525	0.035844367	0.000778677	16.10256195	0.002315635	0.010786341	0.000247312	0.00030521	0.000141697	0.137623668	2.63254E-06	0.000275748	0.000462653	0.001483128	0.00030452
2071 Dec	0.001213156	0.102013811	9.77815E-06	2.089129925	4.227695465	0.035800382	0.000789618	16.09092903	0.002314158	0.010801028	0.000246844	0.000304542	0.000141537	0.137613207	2.63238E-06	0.000275643	0.000462226	0.001481674	0.000304099
2072 Jan	0.001213814	0.102287397	9.77974E-06	2.089859962	4.230089188	0.035946134	0.000789109	16.08055687	0.002313707	0.0108062	0.000247374	0.000304283	0.000141465	0.137748733	2.63162E-06	0.000275368	0.000463642	0.001481601	0.000303612
2072 Feb	0.001215131	0.102671273	9.78074E-06	2.092852831	4.238437176	0.036200874	0.000788828	16.09161377	0.002315866	0.010810994	0.000248586	0.000304543	0.000141583	0.138065189	2.63181E-06	0.000275395	0.000466131	0.001482233	0.000303606
2072 Mar	0.001215911	0.102891743	9.78305E-06	2.094296455	4.242340565	0.036331113	0.000788676	16.09382057	0.002316709	0.010815628	0.000249164	0.000304584	0.000141616	0.138224781	2.63201E-06	0.00027535	0.000467418	0.001482644	0.000303487
2072 Apr	0.001220861	0.103397325	9.82079E-06	2.102849007	4.260185242	0.036537647	0.000791516	16.154356	0.002325737	0.010858512	0.000250402	0.000305727	0.000142156	0.138825104	2.64189E-06	0.00027634	0.000469863	0.001488376	0.000304535
2072 May	0.001245456	0.105670944	1.00179E-05	2.145160675	4.346538544	0.037386805	0.000806549	16.46653175	0.002371707	0.01107737	0.000256422	0.000311746	0.000144988	0.141682714	2.69392E-06	0.000281596	0.000480563	0.001518646	0.000310206
2072 Jun	0.001127041	0.101301245	9.75835E-06	2.195456505	4.476928234	0.043259416	0.000666663	17.66077232	0.002565765	0.009930312	0.000323711	0.000433616	0.000161753	0.14160043	2.76197E-06	0.000301123	0.000630727	0.001911086	0.000360736
2072 Jul	0.001085495	0.101472549	1.00967E-05	1.94499898	3.824239969	0.036149368	0.000563121	14.69605732	0.002246766	0.00990699	0.000278558	0.000361097	0.000137975	0.123792417	2.66457E-06	0.00024998	0.000517144	0.001804571	0.000286054
2072 Aug	0.00110776	0.094517879	1.00191E-05	2.030644655	3.936842442	0.034808014	0.000689743	15.15708256	0.002259221	0.009650046	0.000244664	0.000307267	0.00014264	0.130403668	2.65972E-06	0.000257053	0.000411818	0.00155167	0.00028868
2072 Sep	0.001181297	0.096460663	9.82595E-06	2.20237565	4.372035503	0.037836976	0.000797473	17.02786636	0.002441157	0.010029097	0.000261682	0.000329636	0.000155293	0.142954558	2.72844E-06	0.000293892	0.000444079	0.001509419	0.000333534
2072 Oct	0.001281433	0.103259094	9.66766E-06	2.413208723	4.931359768	0.042710748	0.000883317	19.45508957	0.002698316	0.010667129	0.000304979	0.000386072	0.000171724	0.15772523	2.85141E-06	0.000343791	0.000527569	0.001562537	0.0003968
2072 Nov	0.001284455	0.103548035	9.69035E-06	2.415454149	4.929722786	0.04261864	0.000886196	19.4245739	0.002696716	0.010718086	0.000303996	0.000385307	0.000171453	0.15782927	2.85632E-06	0.000344253	0.000527618	0.00156323	0.000396109
2072 Dec	0.00128396	0.103547603	9.69366E-06	2.412487268	4.922301769	0.04253703	0.000885578	19.38734436	0.002692669	0.010722996	0.000303278	0.000384386	0.00017113	0.157636851	2.85466E-06	0.000343625	0.00052683	0.001562347	0.000395106
2073 Jan	0.001284339	0.103734717	9.69497E-06	2.412670374	4.923237324	0.042630691	0.000885123	19.37682343	0.002691985	0.010726647	0.000303587	0.000384132	0.000171051	0.157709926	2.85394E-06	0.000343366	0.000527744	0.00156225	0.000394678
2073 Feb	0.001285083	0.103995234	9.69642E-06	2.413946152	4.92702055	0.042784572	0.000884742	19.37485695	0.002692432	0.010730832	0.000304239	0.000384083	0.00017105	0.157875896	2.85363E-06	0.000343222	0.000529249	0.001562486	0.00039442
2073 Mar	0.001286029	0.104181871	9.70145E-06	2.415612221	4.931035519	0.042885028	0.000884901	19.38129425	0.002693743	0.010737825	0.000304709	0.000384202	0.000171117	0.158029884	2.85466E-06	0.000343276	0.00053028	0.001563267	0.000394427
2073 Apr	0.001297262	0.105155066	9.78497E-06	2.436646223	4.974325657	0.043299224	0.000892347	19.5460701	0.002716884	0.010831089	0.000307512	0.000387463	0.000172577	0.159431815	2.87897E-06	0.00034616	0.00053528	0.001576708	0.000397709
2073 May	0.001336154	0.133317932	9.8574E-06	2.557653666	5.349393845	0.061738078	0.000797795	19.18974113	0.002769458	0.01095364	0.000481447	0.000405585	0.000182357	0.175851852	2.83218E-06	0.000327251	0.000740268	0.001697681	0.000370183
2073 Jun	0.001262501	0.114617079	9.66517E-06	2.630018473	5.415082455	0.056465324	0.000805456	21.03545952	0.002967011	0.010157169	0.000436763	0.0004911	0.000196063	0.17273882	2.9843E-06	0.000373445	0.000724954	0.001882565	0.000442714
2073 Jul	0.00124317	0.108975336	1.01362E-05	2.48642087	4.993983269	0.047954652	0.000771892	19.67384148	0.002818971	0.010333422	0.00036807	0.000458668	0.000182421	0.159709334	3.01059E-06	0.00035303	0.000624156	0.001870997	0.000412521
2073 Aug	0.001181533	0.107219733	1.04981E-05	2.180263996	4.226874352	0.039672833	0.000672255	16.12317657	0.002430386	0.010338515	0.000303915	0.000366466	0.000153247	0.139047563	2.85844E-06	0.000286836	0.000503874	0.001751179	0.000318329
2073 Sep	0.001119141	0.099973194	1.02121E-05	1.949321985	3.679214716	0.032343108	0.000673965	13.52680016	0.002101122	0.010302611	0.000228873	0.000278758	0.000128782	0.124817014	2.63659E-06	0.00024287	0.000409972	0.001544668	0.000248604

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.001214991	0.101684913	9.77807E-06	2.201970577	4.328353882	0.036936566	0.000822301	16.42316818	0.002380359	0.010708336	0.000257893	0.000322618	0.000148481	0.142822161	2.72892E-06	0.000301419	0.000465799	0.001494661	0.000321707
2073 Nov	0.001251078	0.103002504	9.7546E-06	2.327805281	4.626319408	0.039787199	0.00086474	17.80805969	0.002533762	0.010759206	0.000280924	0.00035287	0.000160038	0.151104853	2.81038E-06	0.000326984	0.000495651	0.001524806	0.000357294
2073 Dec	0.001251232	0.103054963	9.76307E-06	2.325822592	4.621021271	0.039722037	0.000864522	17.77907562	0.00253087	0.010770042	0.000280311	0.000352087	0.000159781	0.150979474	2.81001E-06	0.000326477	0.00049509	0.00152467	0.000356437
2074 Jan	0.001251538	0.103243262	9.76469E-06	2.325493813	4.620874405	0.039804824	0.000863942	17.7631855	0.002529572	0.010774329	0.000280515	0.000351689	0.000159651	0.1510223	2.80894E-06	0.000326107	0.000495902	0.001524421	0.000355856
2074 Feb	0.001252207	0.103501208	9.76552E-06	2.326562881	4.62430954	0.039957408	0.00086348	17.7595787	0.002529796	0.010777943	0.000281146	0.000351601	0.000159634	0.151177198	2.80838E-06	0.000325922	0.000497391	0.001524541	0.000355556
2074 Mar	0.001253432	0.103712924	9.77269E-06	2.328745127	4.629361153	0.040068027	0.000863822	17.76982307	0.002531658	0.010787322	0.000281684	0.000351795	0.000159735	0.151365548	2.81001E-06	0.000326045	0.000498544	0.001525654	0.000355636
2074 Apr	0.001262516	0.104527928	9.84215E-06	2.345568657	4.663214684	0.040399432	0.000869794	17.89451981	0.002549654	0.010864835	0.000283875	0.000354258	0.000160861	0.152485758	2.82973E-06	0.000328296	0.000502539	0.001536495	0.000358061
2074 May	0.001331153	0.13246429	9.91199E-06	2.572427034	5.2956357	0.06060518	0.00081382	18.87187386	0.002744352	0.010993591	0.00047165	0.000400627	0.00018112	0.175444722	2.86093E-06	0.000332553	0.000724595	0.001686362	0.00036458
2074 Jun	0.001257202	0.112108938	9.72687E-06	2.68718648	5.424191952	0.055211477	0.000836994	21.13513374	0.00299285	0.010165522	0.000425193	0.000502034	0.000198578	0.173898295	3.06016E-06	0.000391046	0.000714671	0.001904237	0.000451013
2074 Jul	0.001182798	0.108918823	1.04023E-05	2.386606932	4.644841671	0.045740522	0.000718132	17.84089661	0.002665299	0.01044789	0.000349406	0.000450573	0.000170734	0.151296765	2.99697E-06	0.000332561	0.000644002	0.00198703	0.000369584
2074 Aug	0.001213484	0.112499222	1.0998E-05	2.378666162	4.567366123	0.044495925	0.000720094	17.33268929	0.002637334	0.010896519	0.000337522	0.000431573	0.000167473	0.150497198	3.06874E-06	0.000321773	0.000619598	0.00201285	0.000350481
2074 Sep	0.001123494	0.102095224	1.03821E-05	1.970396638	3.666887999	0.032448899	0.000695213	13.18392754	0.002088777	0.010717256	0.000224631	0.000284006	0.000126697	0.125751108	2.67228E-06	0.0002467	0.00044637	0.00161721	0.000239612
2074 Oct	0.001159056	0.101213165	9.97366E-06	1.9921875	3.766676188	0.031554982	0.000766082	13.56432056	0.002081105	0.010917226	0.000211783	0.000263274	0.000125585	0.128582433	2.61233E-06	0.000257568	0.000421034	0.001459484	0.000247354
2074 Nov	0.001174418	0.101739258	9.95482E-06	2.041935444	3.883220196	0.032614488	0.000784955	14.09747219	0.002138779	0.010940526	0.000220325	0.000273592	0.000129984	0.131879792	2.64263E-06	0.000267768	0.000430282	0.001463417	0.000260945
2074 Dec	0.001176174	0.101839617	9.96003E-06	2.047031641	3.894516468	0.032722365	0.000786663	14.14751625	0.002144694	0.010947483	0.000221193	0.000274664	0.00013042	0.132210702	2.64674E-06	0.000268709	0.000431366	0.001465098	0.000262175
2075 Jan	0.001177054	0.102042824	9.96109E-06	2.049054384	3.899882317	0.032859281	0.000786752	14.15821934	0.00214636	0.010951024	0.00022187	0.00027488	0.00013052	0.132404059	2.64724E-06	0.000268821	0.000432696	0.001465499	0.000262294
2075 Feb	0.001178186	0.102318898	9.96327E-06	2.051598787	3.906605721	0.03304033	0.000786763	14.17018318	0.002148399	0.010956013	0.000222757	0.000275142	0.000130639	0.132651582	2.64792E-06	0.000268923	0.000434476	0.001466178	0.000262389
2075 Mar	0.001180104	0.102587782	9.97637E-06	2.055007696	3.91395998	0.033168662	0.000787586	14.18902493	0.002151553	0.010971858	0.000223421	0.000275506	0.00013082	0.132917628	2.65115E-06	0.000269214	0.000435869	0.001468172	0.000262633
2075 Apr	0.001187795	0.103315637	1.00397E-05	2.068410397	3.939960241	0.033426631	0.000792452	14.2786684	0.002165338	0.01104236	0.000225042	0.000277243	0.00013165	0.133810699	2.6678E-06	0.000270876	0.000439095	0.001477517	0.000264229
2075 May	0.00125024	0.136783689	1.01384E-05	2.237483978	4.462782383	0.055529531	0.000696239	14.27553177	0.002268111	0.011264124	0.000431488	0.00030332	0.000145675	0.155167475	2.6306E-06	0.000253871	0.000683225	0.001618375	0.000241546
2075 Jun	0.001165905	0.105183996	9.80762E-06	2.426511526	4.807115555	0.047352619	0.000755215	18.64723206	0.002711036	0.01004066	0.000359586	0.000461758	0.000175995	0.154679045	2.9278E-06	0.000347081	0.000659374	0.00191928	0.00038856
2075 Jul	0.001081964	0.101992898	1.03046E-05	2.107437134	4.408290768	0.038412575	0.00061979	15.24857044	0.002362676	0.010108013	0.00029211	0.00040552	0.000147642	0.131394193	2.82334E-06	0.000285054	0.000582229	0.001960826	0.000305394
2075 Aug	0.001046578	0.099876978	1.05318E-05	1.885920167	3.457590818	0.032069869	0.000566116	12.6851511	0.002068674	0.010050911	0.000239416	0.000320276	0.000126297	0.117202654	2.69302E-06	0.000233959	0.000464108	0.001794434	0.000234934
2075 Sep	0.001053341	0.098800205	1.05213E-05	1.836785913	3.337289572	0.029735764	0.000596408	12.00421143	0.001975049	0.010242405	0.000212202	0.000281838	0.000119016	0.114883319	2.63697E-06	0.000222077	0.000422243	0.001688402	0.000213066
2075 Oct	0.001118327	0.099688455	1.01772E-05	1.933881521	3.607588768	0.030475171	0.000704955	13.05054283	0.002044522	0.010638859	0.000209434	0.000271861	0.000123381	0.123056062	2.62647E-06	0.000245859	0.000416622	0.001545229	0.000235473
2075 Nov	0.00112327	0.099910319	1.01774E-05	1.922619939	3.584738493	0.029967632	0.00071227	12.90126896	0.002023735	0.010734078	0.00020383	0.00026393	0.000121492	0.122581333	2.6144E-06	0.000243558	0.000410542	0.00152467	0.000230584
2075 Dec	0.001123524	0.099948451	1.01822E-05	1.920375466	3.579435349	0.029892704	0.000712387	12.87189007	0.002020405	0.010745488	0.000203087	0.000262932	0.000121199	0.122454166	2.61317E-06	0.000243039	0.00040979	0.00152332	0.000229707
2076 Jan	0.001124232	0.100195467	1.01831E-05	1.921066999	3.582051516	0.030025262	0.000712044	12.8648901	0.002020139	0.010750722	0.000203563	0.000262679	0.00012114	0.122585408	2.61235E-06	0.000242798	0.000411063	0.001523042	0.000229312
2076 Feb	0.001125683	0.100569107	1.01876E-05	1.923706651	3.589170933	0.030245237	0.000711918	12.87148666	0.002021864	0.010759522	0.000204552	0.000262786	0.000121215	0.122867949	2.61292E-06	0.000242763	0.000413242	0.001523805	0.000229177
2076 Mar	0.001127586	0.100872032	1.02002E-05	1.927030444	3.596554279	0.030394312	0.00071255	12.88761139	0.002024784	0.010775014	0.000205288	0.000263099	0.000121374	0.12314216	2.61581E-06	0.00024298	0.000414833	0.00152573	0.000229324
2076 Apr	0.001132008	0.101341806	1.02377E-05	1.934619546	3.61137104	0.030567851	0.000715024	12.93490505	0.002032437	0.010815796	0.000206309	0.000264055	0.000121824	0.123661608	2.62521E-06	0.000243824	0.000416955	0.001531352	0.000230087
2076 May	0.001215662	0.129918367	1.0225E-05	2.185584068	4.3080163	0.051305525	0.000680333	14.1297617	0.00224414	0.011026309	0.000396558	0.000308213	0.000143254	0.148813993	2.65277E-06	0.000252915	0.00064092	0.001649358	0.000241904
2076 Jun	0.001259473	0.112235717	9.7262E-06	2.746006489	5.496004581	0.05576089	0.00086466	21.35842705	0.003024381	0.010144841	0.00043115	0.000511529	0.000202113	0.176493078	3.10901E-06	0.00040504	0.000719551	0.001912651	0.000455906
2076 Jul	0.001189822	0.106824115	1.02828E-05	2.463075161	4.761993408	0.045690279	0.000762086	18.44711113	0.00272447	0.010325381	0.000349629	0.000461776	0.000176416	0.154726997	3.04911E-06	0.000353816	0.000631464	0.001957755	0.000386657
2076 Aug	0.001159273	0.105786443	1.06978E-05	2.257759333	4.243621826	0.03982164	0.00070789	16.01275635	0.002460459	0.010441466	0.000298889	0.000388163	0.000156363	0.141395703	2.95687E-06	0.0003041	0.000537181	0.001864186	0.000318392
2076 Sep	0.001126682	0.103097714	1.0685E-05	2.062693834	3.800101995	0.034284268	0.000687683	13.88257599	0.002201895	0.010581887	0.000245994	0.000318629	0.000136259	0.129629955	2.80317E-06	0.00026354	0.000465553	0.001729419	0.000259446
2076 Oct	0.001146563	0.100860998	1.00729E-05	2.00961113	3.751648188	0.03161503	0.000757571	13.51080608	0.002091768	0.010805722	0.000215326	0.000272785	0.000127229	0.128372192	2.65335E-06	0.000261627	0.000422801	0.001500585	0.000247404
2076 Nov	0.001160992	0.101127356	1.00046E-05	2.039631605	3.827661514	0.032031253	0.000780402	13.827178	0.002118925	0.01087169	0.000217414	0.000274275	0.000129176	0.130614385	2.65994E-06	0.000268613	0.000424561	0.00147796	0.000254985
2076 Dec	0.001161318	0.10117615	1.00113E-05	2.038514614	3.824754238	0.031990685	0.000780407	13.81042576	0.002117276	0.010880865	0.000217011	0.000273755	0.000129018	0.130548939	2.65991E-06	0.000268297	0.000424216	0.001477892	0.000254457
2077 Jan	0.001161983	0.101368099	1.0012E-05	2.039695024	3.82822752	0.032107353	0.000780279	13.81239223	0.00211792	0.010884352	0.000217517	0.000273758	0.000129039	0.130688727	2.65978E-06	0.000268246	0.000425348	0.001477986	0.000254351
2077 Feb	0.001162837	0.10162852	1.00137E-05	2.04124856	3.832752705	0.032265313	0.000780009	13.81443501	0.002118788	0.010888852	0.000218213	0.000273786	0.000129069	0.130872801	2.6597E-06	0.000268161	0.000426897	0.001478315	0.000254193
2077 Mar	0.001163727	0.101808168	1.00183E-05	2.042812824	3.836551189	0.032362524	0.000780139	13.82023335	0.002119999	0.010895379	0.000218666	0.000273892	0.00012913	0.131019205	2.66062E-06	0.000268205	0.000427892	0.001479034	0.00025419
2077 Apr	0.001169133	0.102339417	1.00631E-05	2.052302837	3.854867697	0.032554377	0.000783496	13.88169575	0.002129611	0.010944954	0.000219845	0.000275105	0.000129707	0.131654292	2.67234E-06	0.000269358	0.000430262	0.001485668	0.000255258
2077 May	0.001241076	0.121369466	1.01091E-05	2.296314478	4.478240013	0.04761276	0.000781105	15.49690151	0.002367279	0.01107121	0.000357231	0.000326138	0.000151338	0.152736709	2.7599E-06	0.000291764	0.000592114	0.001600713	0.000285354
2077 Jun	0.001113975	0.106212482	9.91891E-06	2.359793425	4.523221493	0.046598271	0.000704634	17.01383209	0.002580361	0.009992349	0.000356697	0.000452982	0.000167341	0.148935601	2.91262E-06	0.000332242	0.00067425	0.001984003	0.00035401
2077 Jul	0.001040049	0.104417011	1.05267E-05	2.072605371	3.815535784	0.038993649	0.000582497	13.94125462	0.002278432	0.010269897	0.000295082	0.000409477	0.000141458	0.12831825	2.83326E-06	0.0002736	0.000633795	0.002091414	0.000276645
2077 Aug	0.001044233	0.104346178	1.092E-05	1.982926369	3.565508366	0.03548016	0.000574797	12.73733616	0.002148033	0.010449772	0.000262182	0.000359258	0.000131569	0.122619644	2.81332E-06	0.00024718	0.000560603	0.002010357	0.000239164
2077 Sep	0.001135313	0.09933991	1.00018E-05	2.112606287	3.925810099	0.034319334	0.000774698	14.31252575	0.002198723	0.010450879	0.000236998	0.000300585	0.000137584	0.134143502	2.71924E-06	0.000281118	0.000445341	0.001543496	0.000272013
2077 Oct	0.00124464	0.1044553	9.9102E-06	2.400686502	4.59657526	0.039972674	0.000901543	17.22667122	0.002510687	0.010868946	0.00028275	0.000351956	0.000160543	0.153487995	2.89451E-06	0.000341468	0.000497752	0.001541278	0.000344984
2077 Nov	0.001247261	0.104748055	9.94415E-06	2.398973227	4.590921402	0.039862148	0.000902525	17.1848259	0.002507268	0.010914816	0.000281556	0.000350403	0.000160121	0.153404713	2.89721E-06	0.000340671	0.000496988	0.001542414	0.000343437
2077 Dec	0.001247377	0.104786783	9.9507E-06	2.397133112	4.586486816	0.039806835	0.000902252	17.16155243	0.002504862	0.010923398	0.000281037	0.000349747	0.000159903	0.15329276	2.89669E-06	0.000340214	0.000496508	0.00154224	0.000342743
2078 Jan	0.001247788	0.104954541	9.95299E-06	2.397048712	4.586962223	0.039880805	0.000901824	17.15116119	0.002504112	0.01092808	0.000281241	0.00034946	0.000159814	0.153343856	2.89602E-06	0.000339926	0.000497245	0.001542193	0.000342317
2078 Feb	0.00124852	0.105182998	9.95493E-06	2.398220778	4.590484142	0.040013541	0.000901536	17.15094757	0.002504662	0.010932493	0.000281806	0.000349436	0.000159822	0.153492585	2.89589E-06	0.000339809	0.000498555	0.001542493	0.000342123
2078 Mar	0.001249226	0.105333284	9.95842E-06	2.39944768	4.593529224	0.040095687	0.0009016	17.15503883	0.002505576	0.010937579	0.000282183	0.000349509	0.000159865	0.153611287	2.89653E-06	0.000339829	0.000499391	0.001543035	0.000342101
2078 Apr	0.001259637	0.106263429	1.00402E-05	2.41937232	4.632074356	0.040464096	0.000908859	17.2947979	0.002526172	0.011028112	0.00028466	0.00035235	0.000161171	0.154909939	2.9201E-06	0.000342562	0.000503871	0.001555706	0.000344828
2078 May	0.001350475	0.139711872	9.97833E-06	2.757139206	5.543104649	0.066466145	0.000857917	19.19034195	0.002837349	0.011042934	0.000526074	0.000425912	0.000192065	0.186641663	2.98562E-06	0.00036269	0.000785088	0.001736857	0.000373633
2078 Jun	0.001280632	0.118051983	9.91887E-06	2.863734484	5.605785847	0.059000425	0.000896259	21.21275902	0.003063939	0.010365277	0.000459823	0.000520084	0.000207073	0.183484063	3.21174E-06	0.000422108	0.000753311	0.001948785	0.000455585
2078 Jul	0.001231574	0.116985597	1.05328E-05	2.585426331	4.936278343	0.051031742	0.000785082	18.36809349	0.002770929	0.010654911	0.000398133	0.000465273	0.000182041	0.163794518	3.13652E-06	0.000364727	0.00068056	0.001984348	0.000381773
2078 Aug	0.001115693	0.108583391	1.06115E-05	2.062629223	3.762930393	0.037217934	0.00062441	13.38907242	0.002174686	0.010258576	0.000288434	0.00032279	0.000137043	0.129622653	2.80029E-06	0.000259983	0.000477288	0.00172628	0.000251288
2078 Sep	0.001078397	0.101895921	1.05283E-05	1.924301386	3.429823875	0.031912543	0.000640325	11.93845367	0.001983321	0.010189462	0.000230132	0.00026174	0.000122917	0.121089309	2.67374E-06	0.000231189	0.000397496	0.001580786	0.000210135
2078 Oct	0.001134165	0.102538668	1.0224E-05	2.040464163	3.725760698	0.033094462	0.000737998	13.17709351	0.00208891	0.010567106	0.000232791	0.00027248	0.000129618	0.129551977	2.69875E-06	0.000261502	0.000416797	0.001512728	0.000241136
2078 Nov	0.001148986	0.102956727	1.01898E-05	2.067588568	3.792239904	0.033345021	0.000760488	13.44414234	0.002113181	0.010684825	0.000233134	0.000274508	0.000131057	0.131518573	2.70938E-06	0.000268019	0.000421238	0.001501086	0.000247446
2078 Dec	0.001149065	0.102978587	1.01939E-05	2.06591177	3.788459539	0.033293623	0.000760337	13.42475891	0.002111035	0.010691964	0.000232643	0.000273923	0.000130863	0.131418958	2.70863E-06	0.000267636	0.000420803	0.001500663	0.000246867
2079 Jan	0.001149414	0.103137657	1.01941E-05	2.065878153	3.789304256	0.033373393	0.000759935	13.41630554	0.002110378	0.010695217	0.000232876	0.000273671	0.000130783	0.131476924	2.70768E-06	0.00026738	0.000421597	0.001500394	0.000246502
2079 Feb	0.001150037	0.103359997	1.01942E-05	2.066939116	3.792802095	0.033510491	0.000759584	13.41593647	0.002110817	0.010698097	0.000233456	0.000273643	0.000130786	0.131622627	2.70719E-06	0.000267254	0.00042294	0.001500469	0.000246312
2079 Mar	0.001151307	0.103564911	1.02025E-05	2.06918931	3.797777176	0.033612419	0.000760006	13.42657948	0.002112763	0.010708316	0.000233961	0.000273848	0.000130893	0.131808549	2.7091E-06	0.000267401	0.000424015	0.001501723	0.000246407
2079 Apr	0.001156859	0.104116142	1.025E-05	2.079149246	3.816540718	0.033811551	0.000763434	13.48894882	0.002122732	0.010759046	0.00023523	0.000275114	0.000131503	0.132467344	2.72156E-06	0.000268606	0.000426407	0.001508735	0.000247495
2079 May	0.001188175	0.112919018	1.04061E-05	2.144079685	3.985753775	0.039058715	0.000755268	13.68003368	0.002173638	0.010982752	0.000282682	0.000284013	0.000136163	0.139004052	2.74852E-06	0.000268639	0.000486273	0.00155808	0.000245917
2079 Jun	0.00119828	0.109183036	9.83203E-06	2.67400074	5.135068417	0.052080378	0.000839155	19.5369091	0.00286843	0.010073958	0.000401234	0.000496672	0.000191511	0.168451786	3.11565E-06	0.000396009	0.00069922	0.001949474	0.000420442
2079 Jul	0.00109062	0.103994027	1.02641E-05	2.228533268	4.101641178	0.040297844	0.000666401	15.20856476	0.002396608	0.010085468	0.000309827	0.000411879	0.000153077	0.137609005	2.91232E-06	0.000309562	0.000588068	0.001937603	0.000312219
2079 Aug	0.001077703	0.104357466	1.0648E-05	2.01550436	3.609762669	0.034433264	0.000602435	12.97585392	0.002141142	0.010216368	0.000264818	0.000336432	0.000133283	0.124180228	2.81307E-06	0.000259522	0.000481706	0.001811588	0.000248197
2079 Sep	0.001126277	0.101298511	1.0148E-05	2.037554026	3.702050209	0.03220864	0.000742482	13.12547588	0.002083697	0.010608573	0.000225584	0.000280023	0.000128633	0.128465042	2.70309E-06	0.000266752	0.000424244	0.001533519	0.000243608
2079 Oct	0.00125785	0.106099099	9.93371E-06	2.508788347	4.740989208	0.041909553	0.000932431	17.66691589	0.002586408	0.010854387	0.000301861	0.000371641	0.000167801	0.159106195	2.98678E-06	0.000364091	0.000515055	0.001566603	0.000361143
2079 Nov	0.001288014	0.107281767	9.91366E-06	2.612476826	4.967351913	0.04397694	0.000974445	18.65306091	0.002696837	0.010930035	0.000318031	0.000391562	0.000176325	0.165802076	3.05328E-06	0.00038526	0.000534601	0.001577136	0.000386404
2079 Dec	0.001290616	0.107299559	9.90824E-06	2.608912468	4.961690426	0.043740582	0.00097915	18.61250687	0.002689608	0.010972861	0.000315335	0.000388428	0.00017562	0.165672317	3.04833E-06	0.000384738	0.000531966	0.001567483	0.000384841
2080 Jan	0.001291891	0.107686408	9.90894E-06	2.611758709	4.969789982	0.043996233	0.000978811	18.62194061	0.002691574	0.010977449	0.00031653	0.000388644	0.000175723	0.1659825	3.04833E-06	0.000384727	0.000534458	0.001568024	0.000384787
2080 Feb	0.001293599	0.108214073	9.91056E-06	2.615412712	4.980293751	0.044338636	0.000978263	18.63243103	0.002694017	0.010984129	0.000318115	0.000388889	0.000175843	0.16639021	3.04827E-06	0.000384659	0.000537806	0.001568813	0.000384648
2080 Mar	0.001294372	0.108496584	9.9119E-06	2.616508722	4.984089851	0.044503994	0.000977726	18.62926102	0.002694322	0.010988487	0.000318795	0.000388793	0.000175824	0.166557118	3.04765E-06	0.000384437	0.000539427	0.001569008	0.00038433
2080 Apr	0.00129888	0.108996056	9.9439E-06	2.625343084	5.001865387	0.044735957	0.000980502	18.68597031	0.002702956	0.011025574	0.000320174	0.000389959	0.000176366	0.167173728	3.0569E-06	0.00038552	0.000542027	0.001574056	0.000385357
2080 May	0.001324704	0.113033727	1.0147E-05	2.671375751	5.098722935	0.046619806	0.000989001	18.90366173	0.002744865	0.011257255	0.000335995	0.00039555	0.000179275	0.170782328	3.10361E-06	0.00038882	0.000564295	0.001609699	0.000387554
2080 Jun	0.001191983	0.106461771	9.9519E-06	2.639724493	4.973997593	0.048541766	0.000855282	18.86061859	0.002799139	0.010231722	0.000367453	0.000478822	0.000185539	0.164601386	3.12968E-06	0.00039335	0.000660384	0.001922452	0.000407053
2080 Jul	0.001112526	0.103484221	1.01845E-05	2.281046152	4.16987133	0.039926354	0.00070043	15.51388836	0.002422297	0.010021636	0.000309071	0.00040509	0.000156179	0.140319705	2.94683E-06	0.00032266	0.000551565	0.001851081	0.000322885
2080 Aug	0.001082117	0.100850746	1.03619E-05	2.027327299	3.602133274	0.03297247	0.000640028	12.9969883	0.002112595	0.009914659	0.000251916	0.000309408	0.000133392	0.124798551	2.77996E-06	0.000264722	0.00041351	0.001639091	0.000250583

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.001151888	0.09912011	1.01015E-05	2.26742053	4.108716965	0.036022495	0.000818603	15.0425396	0.002312775	0.010207089	0.000255284	0.00031986	0.000149344	0.141609401	2.86637E-06	0.000312161	0.000427614	0.001534624	0.000298435
2080 Oct	0.001273753	0.105211012	9.94902E-06	2.637928724	4.931888103	0.043324042	0.000980748	18.50616837	0.002698973	0.010783687	0.000312306	0.000394606	0.000177619	0.16583623	3.09512E-06	0.000392065	0.00052085	0.001583406	0.000388901
2080 Nov	0.001286501	0.105923139	9.93698E-06	2.650071383	4.964323044	0.043293465	0.000997197	18.59664917	0.002705355	0.010934376	0.000310749	0.000393806	0.000177537	0.166836098	3.09906E-06	0.000395457	0.000524802	0.001574617	0.00039056
2080 Dec	0.001286359	0.105952844	9.94236E-06	2.644817352	4.953379154	0.043150932	0.000996537	18.54224205	0.002698943	0.010949939	0.000309424	0.00039219	0.000176971	0.166528702	3.09575E-06	0.00039436	0.000523657	0.001572824	0.000388976
2081 Jan	0.001287082	0.106233828	9.94429E-06	2.645343781	4.956011772	0.043301087	0.000995886	18.53381348	0.002698621	0.01095537	0.000309979	0.000391943	0.000176899	0.166661024	3.09479E-06	0.000394019	0.000525144	0.001572881	0.000388505
2081 Feb	0.001288058	0.106603205	9.94537E-06	2.646749496	4.961065769	0.043521225	0.00099514	18.53007317	0.002699025	0.010960395	0.000310896	0.000391829	0.000176877	0.166880146	3.09385E-06	0.000393724	0.000527299	0.00157308	0.000388098
2081 Mar	0.001289084	0.106845103	9.9496E-06	2.648580551	4.965837479	0.043659553	0.000995123	18.53567314	0.002700338	0.010967147	0.000311528	0.000391931	0.000176938	0.167066738	3.09453E-06	0.000393725	0.00052869	0.001573794	0.00038804
2081 Apr	0.001296332	0.107768647	9.99878E-06	2.662655354	4.99486351	0.044109061	0.000999019	18.61847305	0.00271352	0.011025675	0.000314001	0.000393631	0.000177743	0.168100074	3.10822E-06	0.000395242	0.000533579	0.001581527	0.000389392
2081 May	0.001359187	0.145503178	1.00431E-05	2.862052917	5.612787724	0.069978192	0.000879782	18.75473976	0.002847528	0.011142378	0.000555387	0.000431147	0.000195344	0.19284074	3.06346E-06	0.000377638	0.000820459	0.00175571	0.000368876
2081 Jun	0.001310823	0.120877258	9.96927E-06	3.072632551	5.827001572	0.06190988	0.000979123	21.61453056	0.003167629	0.010466916	0.000483849	0.000539064	0.000218093	0.194551364	3.38294E-06	0.000463861	0.000769042	0.001945771	0.000478338
2081 Jul	0.0013296	0.121757805	1.07205E-05	3.057213783	5.713478565	0.05875257	0.000970574	21.28422928	0.003171133	0.011029629	0.000455463	0.000544143	0.00021503	0.191227153	3.508E-06	0.000459136	0.000759166	0.002081328	0.000469174
2081 Aug	0.001353363	0.124555767	1.13006E-05	3.023195505	5.59675312	0.056993257	0.000964274	20.6627903	0.003124976	0.011449275	0.000438501	0.000521576	0.000210143	0.188922077	3.55808E-06	0.000443267	0.000730856	0.002104583	0.000446495
2081 Sep	0.001209985	0.111760676	1.09893E-05	2.447415352	4.39901638	0.042560879	0.000830004	15.61768436	0.00248259	0.011010448	0.00030939	0.000368065	0.000160947	0.153241858	3.09811E-06	0.000330186	0.000545333	0.001807938	0.000309687
2081 Oct	0.001161125	0.107803762	1.07648E-05	2.158942699	3.834630489	0.035337832	0.00077549	13.14630032	0.002158184	0.011107372	0.000246002	0.00029209	0.000134519	0.135972127	2.85675E-06	0.000277041	0.000469147	0.001653584	0.000242104
2081 Nov	0.00112489	0.103874981	1.04499E-05	1.958003521	3.451937675	0.030043516	0.000746071	11.51682091	0.001930034	0.011102393	0.000199496	0.000238011	0.00011614	0.123980455	2.6683E-06	0.000243092	0.000410439	0.001513731	0.000198719
2081 Dec	0.001129053	0.103741623	1.04137E-05	1.968939543	3.477211475	0.030095024	0.000754312	11.63626194	0.001939994	0.011111847	0.000199643	0.000239063	0.000116881	0.124684766	2.67121E-06	0.000246217	0.000409875	0.001504511	0.000202097
2082 Jan	0.001130415	0.104068004	1.04125E-05	1.972241521	3.48606348	0.030323109	0.000754512	11.65342426	0.001942548	0.011116108	0.000200737	0.000239385	0.000117036	0.125004411	2.6716E-06	0.00024643	0.000412045	0.00150463	0.000202307
2082 Feb	0.001131898	0.104516894	1.0414E-05	1.975038767	3.494430065	0.030603969	0.000754051	11.6597662	0.001944267	0.011122885	0.00020199	0.000239484	0.000117104	0.125333831	2.67133E-06	0.000246313	0.000414783	0.001505082	0.000202107
2082 Mar	0.001133359	0.104823157	1.04212E-05	1.977607608	3.500794172	0.030772196	0.00075421	11.66892624	0.001946219	0.011133322	0.000202767	0.000239648	0.0001172	0.125579849	2.67269E-06	0.000246368	0.000416495	0.001506206	0.000202083
2082 Apr	0.001137936	0.105344735	1.04597E-05	1.985606313	3.515995979	0.030970247	0.00075679	11.71268082	0.00195376	0.011176043	0.000203882	0.000240534	0.000117641	0.126135349	2.68229E-06	0.000247213	0.000418851	0.00151182	0.000202737
2082 May	0.001159005	0.107534811	1.06495E-05	2.022240162	3.582811117	0.031704143	0.000769514	11.91887951	0.001989209	0.011380832	0.000209064	0.000244898	0.00011981	0.128560424	2.72987E-06	0.000251389	0.000428331	0.001539949	0.000206038
2082 Jun	0.001169933	0.104729019	1.00438E-05	2.600797415	4.778975964	0.045998763	0.000854532	17.84579659	0.002706231	0.010255321	0.000344973	0.000461024	0.000179155	0.16040726	3.13473E-06	0.000387299	0.000632495	0.001907821	0.000386166
2082 Jul	0.001129458	0.10466902	1.04259E-05	2.404729605	4.325609207	0.04133141	0.000746088	16.01210594	0.002520247	0.010246647	0.000317411	0.000432918	0.000163792	0.146358758	3.08427E-06	0.00034752	0.000585179	0.001946956	0.000340556
2082 Aug	0.001092098	0.102384008	1.07367E-05	2.157055855	3.776352167	0.035064694	0.000681787	13.55998707	0.00223275	0.010261187	0.000261709	0.00034984	0.000141785	0.131321281	2.93512E-06	0.000288532	0.000480568	0.001818747	0.000268531
2082 Sep	0.00106661	0.099155813	1.06591E-05	1.968749285	3.392672062	0.029940838	0.000671709	11.77373886	0.001996818	0.010368632	0.000209786	0.000279055	0.000123291	0.12082731	2.76434E-06	0.000248226	0.000406848	0.001660417	0.000215426
2082 Oct	0.001181312	0.101271443	9.99725E-06	2.273619175	4.099891186	0.034571927	0.000872441	14.66566467	0.002266129	0.010825632	0.000238583	0.000309744	0.000143636	0.142072171	2.85828E-06	0.000320518	0.000442822	0.001504094	0.000290618
2082 Nov	0.001190688	0.10181912	1.00234E-05	2.294146061	4.142056942	0.034877911	0.000883172	14.82804489	0.00228543	0.010892795	0.000240568	0.00031214	0.000144958	0.143426269	2.8748E-06	0.000324361	0.000446006	0.001506003	0.000294389
2082 Dec	0.001190941	0.101868793	1.00306E-05	2.292296886	4.138057232	0.034826726	0.000882903	14.80709934	0.002283211	0.010902447	0.000240076	0.000311487	0.000144747	0.143321946	2.87424E-06	0.000323881	0.000445578	0.00150588	0.000293716
2083 Jan	0.001191396	0.102054581	1.00323E-05	2.292183161	4.138923645	0.034914639	0.000882383	14.79762268	0.002282511	0.010906949	0.000240346	0.000311194	0.000144657	0.14338319	2.8733E-06	0.000323556	0.000446449	0.001505767	0.000293284
2083 Feb	0.001192545	0.102338508	1.00368E-05	2.294126034	4.144180775	0.035075791	0.000882285	14.80247211	0.002283826	0.010914577	0.000241066	0.000311267	0.000144711	0.143591836	2.87387E-06	0.000323513	0.000448065	0.001506494	0.000293167
2083 Mar	0.001194082	0.102571577	1.0047E-05	2.296935797	4.150210857	0.035190538	0.000882904	14.81640339	0.002286285	0.010927063	0.000241644	0.000311544	0.00014485	0.143815249	2.87637E-06	0.000323736	0.000449289	0.001508039	0.000293327
2083 Apr	0.00120053	0.103183366	1.00996E-05	2.309253693	4.173014164	0.035420384	0.000887374	14.89345551	0.002298352	0.010985157	0.000243101	0.000313155	0.000145606	0.144613743	2.89122E-06	0.000325373	0.000452085	0.001515954	0.000294786
2083 May	0.001291089	0.131410241	1.01638E-05	2.624990225	4.98411274	0.057026446	0.000865576	16.69218254	0.002588399	0.011141674	0.00044176	0.000378235	0.000173257	0.172857389	2.98878E-06	0.000348792	0.000686694	0.001680358	0.000324233
2083 Jun	0.001265015	0.114194177	9.97302E-06	3.007912159	5.607834816	0.057309855	0.000972414	20.91911507	0.003091555	0.010295858	0.000444618	0.000537406	0.000212225	0.187035114	3.38783E-06	0.000461737	0.00073524	0.001971615	0.000467027
2083 Jul	0.00116973	0.107051343	1.04275E-05	2.580820322	4.646328926	0.044790763	0.000815295	17.20543289	0.002672406	0.010334574	0.000344979	0.000460675	0.000176695	0.157120287	3.20674E-06	0.000381964	0.000614774	0.001962757	0.000373683
2083 Aug	0.001091401	0.101918273	1.04232E-05	2.054818153	3.568358183	0.032332551	0.00065294	12.65114594	0.002090865	0.009938554	0.00025128	0.00030153	0.000132986	0.125170201	2.8265E-06	0.000271532	0.000388538	0.001600724	0.00024634
2083 Sep	0.001183759	0.102758631	1.01678E-05	2.363471031	4.217876911	0.036856975	0.000853453	15.22463322	0.00236239	0.010491959	0.00026854	0.000336639	0.000153292	0.145980924	2.97174E-06	0.000336393	0.000444365	0.001558552	0.000310502
2083 Oct	0.001316544	0.106854059	9.95261E-06	2.889323235	5.29931879	0.046476029	0.001084946	19.77937889	0.002884502	0.010915367	0.000338326	0.000436914	0.00019387	0.179046363	3.30285E-06	0.000447692	0.000553801	0.001621666	0.000432754
2083 Nov	0.001331062	0.107277997	9.94622E-06	2.958989382	5.434642792	0.047752388	0.001109767	20.36846733	0.002955393	0.010924522	0.000348683	0.000451768	0.000199578	0.183185682	3.35354E-06	0.000462314	0.000566491	0.001636731	0.000449221
2083 Dec	0.001330716	0.107290894	9.95121E-06	2.955090761	5.426715374	0.047663238	0.001108781	20.33138466	0.00295111	0.010931582	0.000347883	0.000450723	0.000199208	0.182956979	3.35122E-06	0.000461444	0.00056568	0.001635961	0.000448126
2084 Jan	0.00133096	0.107505709	9.95212E-06	2.95391202	5.425864697	0.04775694	0.001107723	20.31159782	0.002949218	0.010935505	0.000348085	0.000450173	0.000199018	0.182971701	3.34914E-06	0.000460838	0.000566606	0.00163552	0.000447378
2084 Feb	0.001331882	0.10782636	9.95395E-06	2.95518136	5.430373192	0.047944665	0.001107122	20.30947685	0.002949699	0.010940734	0.000348871	0.000450086	0.000199005	0.183163822	3.34849E-06	0.000460589	0.000568454	0.001635809	0.000447045
2084 Mar	0.001333598	0.10809961	9.96427E-06	2.95846653	5.437564373	0.048087575	0.001107785	20.32587242	0.002952542	0.01095387	0.000349593	0.000450421	0.00019917	0.183429241	3.35115E-06	0.000460851	0.000569952	0.00163745	0.000447241
2084 Apr	0.001344407	0.109051242	1.00436E-05	2.982153416	5.481748581	0.048522912	0.001116335	20.48513794	0.002975937	0.011042116	0.000352579	0.000453934	0.000200733	0.184932545	3.37739E-06	0.000464401	0.000575001	0.00165046	0.000450654
2084 May	0.001384424	0.145520359	1.00886E-05	3.067741632	5.881296635	0.071987592	0.000962446	19.70740128	0.002995622	0.01115459	0.000574908	0.000466493	0.000209124	0.202845573	3.24934E-06	0.000423677	0.000837783	0.001794719	0.000404177
2084 Jun	0.001269609	0.114170372	9.95634E-06	3.105017662	5.661543369	0.057928517	0.001013123	20.88882637	0.003123447	0.010293974	0.000449123	0.000544851	0.000216418	0.191408336	3.47535E-06	0.000483339	0.00073491	0.001964199	0.000477066
2084 Jul	0.001184369	0.109445527	1.05051E-05	2.687882662	4.759682178	0.046842679	0.000851227	17.35103035	0.002728214	0.010450905	0.00036114	0.000473811	0.000182235	0.163043305	3.29921E-06	0.000401446	0.000638493	0.001992259	0.000383881
2084 Aug	0.001124255	0.10535492	1.07029E-05	2.341742039	4.04980278	0.038713422	0.000749701	14.35525227	0.002358584	0.010325276	0.000292081	0.000374941	0.000153577	0.142111734	3.06621E-06	0.000324847	0.000512113	0.001829358	0.00029653
2084 Sep	0.001091594	0.098621458	1.03534E-05	2.158540249	3.696766376	0.033064727	0.000764195	12.83679676	0.002125128	0.010208115	0.000231972	0.00029716	0.000136159	0.132222787	2.85525E-06	0.000288734	0.000416699	0.001594209	0.000250567
2084 Oct	0.001219294	0.103389576	1.00296E-05	2.530792713	4.484270096	0.03902347	0.000959042	16.03472137	0.00246866	0.010795038	0.000275866	0.000352631	0.000161954	0.156352371	3.06299E-06	0.000372187	0.000477672	0.00154541	0.000336451
2084 Nov	0.001275927	0.105775654	9.99351E-06	2.758853436	4.936903	0.04330742	0.001044496	17.95123863	0.002696243	0.01091272	0.000310994	0.000397964	0.000180021	0.170285553	3.22262E-06	0.000419947	0.000519783	0.001580058	0.000389401
2084 Dec	0.00127577	0.105802201	9.99973E-06	2.755169868	4.929641724	0.043222319	0.001043613	17.91719627	0.002692297	0.010921426	0.00031022	0.000396959	0.000179669	0.170073584	3.22057E-06	0.000419105	0.000519036	0.001579464	0.000388352
2085 Jan	0.001275931	0.105983116	1.00001E-05	2.753858805	4.928528786	0.043298349	0.001042617	17.89891052	0.00269044	0.010924624	0.000310353	0.000396436	0.000179485	0.170070559	3.21848E-06	0.000418528	0.000519792	0.001578972	0.000387663
2085 Feb	0.001276752	0.106260173	1.00019E-05	2.754913807	4.932393551	0.043458324	0.001042105	17.89715385	0.002690847	0.010929514	0.000311017	0.000396352	0.000179471	0.170234188	3.21792E-06	0.000418305	0.000521372	0.001579234	0.000387369
2085 Mar	0.001277561	0.106441438	1.00058E-05	2.756270885	4.935901642	0.043557908	0.001042121	17.90127373	0.002691832	0.010935281	0.000311467	0.000396419	0.000179515	0.170371741	3.21853E-06	0.000418302	0.000522383	0.001579824	0.000387319
2085 Apr	0.001283117	0.106969282	1.00478E-05	2.768033504	4.957581043	0.043788426	0.001046285	17.97498703	0.002703126	0.010982169	0.000312966	0.000398037	0.000180255	0.171129465	3.23171E-06	0.000419968	0.000525042	0.00158646	0.000388834
2085 May	0.00136274	0.146009132	1.00715E-05	3.021472454	5.715274334	0.07133162	0.000942895	18.71471596	0.00290273	0.011115482	0.000570333	0.000448429	0.000203117	0.199704155	3.21603E-06	0.000412416	0.000828992	0.001772492	0.000382319
2085 Jun	0.001288164	0.131388694	1.01194E-05	3.048060656	5.631618023	0.065824978	0.000934164	19.45780182	0.003006221	0.010611429	0.000523947	0.000514142	0.000209598	0.19393827	3.36076E-06	0.000442966	0.00082063	0.001976255	0.00042371
2085 Jul	0.001223054	0.127042606	1.05874E-05	2.669304132	4.830890179	0.055373769	0.000793109	16.39619637	0.002650066	0.010726671	0.000442647	0.000442441	0.000178897	0.168398276	3.19511E-06	0.000369064	0.000711243	0.001952494	0.0003415
2085 Aug	0.00110945	0.108241864	1.03689E-05	2.242320776	3.90555644	0.040176138	0.000720946	13.22872829	0.002204227	0.01001931	0.000305798	0.000320091	0.000145065	0.139508456	2.88928E-06	0.000293053	0.000480431	0.001645696	0.000258086
2085 Sep	0.001260161	0.105702698	1.0039E-05	2.736545801	4.879552364	0.043571044	0.001024948	17.6350975	0.002666956	0.010726448	0.000314488	0.000390816	0.000179078	0.168902412	3.20848E-06	0.000411309	0.000511168	0.001575837	0.000379431
2085 Oct	0.001338365	0.108590141	9.9644E-06	3.048728704	5.506059647	0.049073808	0.001145289	20.3335743	0.002983342	0.010918844	0.000360062	0.00045699	0.000203788	0.187648818	3.43067E-06	0.000479295	0.000571599	0.001631769	0.000454379
2085 Nov	0.00135047	0.108937413	9.95393E-06	3.098473072	5.60521841	0.049894799	0.001164985	20.76478195	0.003033601	0.010942617	0.000366854	0.000467416	0.000207754	0.190582469	3.46688E-06	0.000490201	0.000580099	0.001639985	0.000466294
2085 Dec	0.00134973	0.108922988	9.95723E-06	3.093044281	5.594666481	0.049778443	0.001163469	20.71777153	0.003027934	0.010947972	0.000365832	0.000466105	0.000207273	0.190264314	3.4632E-06	0.000489045	0.00057903	0.00163875	0.000464922
2086 Jan	0.001350003	0.109149113	9.95803E-06	3.091861725	5.594077587	0.049880631	0.001162342	20.69881058	0.003026117	0.010951858	0.000366072	0.000465569	0.000207084	0.19028531	3.46101E-06	0.000488419	0.000580048	0.001638349	0.000464177
2086 Feb	0.001350841	0.109473713	9.9589E-06	3.092902899	5.598362923	0.050073445	0.00116159	20.69531822	0.003026393	0.010956154	0.000366868	0.000465449	0.000207055	0.190469474	3.45998E-06	0.000488114	0.000581942	0.001638517	0.000463799
2086 Mar	0.001351858	0.109698005	9.96384E-06	3.094612598	5.602738857	0.050196089	0.001161627	20.70064354	0.003027647	0.010963472	0.000367424	0.000465537	0.000207111	0.190640867	3.46079E-06	0.000488117	0.000583188	0.001639277	0.000463743
2086 Apr	0.00135982	0.110425405	1.00211E-05	3.11247611	5.635812283	0.050540134	0.001167987	20.81661034	0.003044883	0.011027538	0.000369747	0.000468126	0.000208273	0.191779226	3.48015E-06	0.000490781	0.000587084	0.001648661	0.00046624
2086 May	0.001383383	0.129131123	1.01584E-05	3.123004436	5.776866913	0.061382562	0.001084268	20.17596626	0.003025608	0.011222365	0.000472288	0.000465767	0.000209377	0.198910952	3.40582E-06	0.000462563	0.000711495	0.001723278	0.000434066
2086 Jun	0.001244636	0.113825805	9.9933E-06	3.067985058	5.50718689	0.056780953	0.000999652	19.98834801	0.003044092	0.010259487	0.000440634	0.000535293	0.000211324	0.187850922	3.47057E-06	0.000476305	0.000729724	0.001975301	0.000457681
2086 Jul	0.001131045	0.106755361	1.06192E-05	2.543017387	4.385750771	0.042848967	0.000795947	15.68499947	0.002558674	0.01040611	0.000328692	0.000451161	0.000169001	0.152185172	3.24015E-06	0.000374789	0.000614631	0.002020608	0.000344972
2086 Aug	0.001063125	0.101405717	1.0646E-05	2.117874384	3.553199291	0.033176031	0.000673582	12.24802399	0.002108911	0.010094843	0.000249432	0.000324587	0.000134764	0.127157226	2.91833E-06	0.000282576	0.000443942	0.001750691	0.000243657
2086 Sep	0.001125758	0.097470604	1.01412E-05	2.307986259	3.941992283	0.03425118	0.000860833	13.74296951	0.002221313	0.01021271	0.000236668	0.000303173	0.000145348	0.141011864	2.93302E-06	0.00032233	0.000404892	0.001507713	0.000278022
2086 Oct	0.001220923	0.102794468	1.00794E-05	2.592660666	4.525953293	0.039309382	0.000988788	16.05796814	0.002490405	0.010714712	0.000277197	0.000353912	0.00016536	0.159015432	3.12461E-06	0.000383787	0.000466581	0.001533347	0.000340639
2086 Nov	0.001226523	0.103229076	1.01128E-05	2.604997873	4.5488801	0.039501358	0.000993985	16.14152908	0.002502116	0.010760844	0.000278587	0.00035567	0.000166148	0.159786463	3.1375E-06	0.000385867	0.000468971	0.001538619	0.00034255
2086 Dec	0.001226577	0.103257917	1.01174E-05	2.602901936	4.544872284	0.039452218	0.000993529	16.12242126	0.002499908	0.010767718	0.000278131	0.000355079	0.000165941	0.159669459	3.13643E-06	0.000385374	0.000468579	0.001538376	0.000341937
2087 Jan	0.001226831	0.103392228	1.01182E-05	2.602363348	4.544883728	0.039511696	0.000992973	16.11314011	0.002499036	0.010770828	0.00027828	0.000354795	0.000165843	0.159690857	3.13531E-06	0.000385045	0.000469191	0.001538192	0.000341543
2087 Feb	0.001227702	0.103607513	1.01218E-05	2.603766918	4.548784733	0.039632518	0.000992877	16.11658669	0.002499992	0.010776752	0.000278817	0.000354841	0.000165879	0.159845397	3.13569E-06	0.000384998	0.00047041	0.001538748	0.000341444
2087 Mar	0.001229468	0.103833973	1.01343E-05	2.607268572	4.555693626	0.039740182	0.000993867	16.13539696	0.00250314	0.010791306	0.000279403	0.000355239	0.000166073	0.160097718	3.1392E-06	0.000385377	0.000471571	0.001540668	0.000341749
2087 Apr	0.001233193	0.104192734	1.01639E-05	2.615029335	4.569705486	0.039889466	0.000996629	16.18179321	0.002510469	0.010823463	0.000280355	0.000356251	0.00016655	0.160595566	3.14814E-06	0.000386445	0.000473275	0.001545168	0.000342678
2087 May	0.001300535	0.125287801	1.018E-05	2.846096992	5.155520916	0.055706408	0.000982627	17.40262222	0.002713906	0.010979361	0.000426039	0.000402983	0.000186062	0.181261241	3.21662E-06	0.000404343	0.000647969	0.001661408	0.000362887
2087 Jun	0.001228009	0.121443391	1.01149E-05	2.959251881	5.313382626	0.059086874	0.000925848	18.50231552	0.00290371	0.010390897	0.000464732	0.000508635	0.000201291	0.183742672	3.36861E-06	0.000440265	0.000764978	0.001995676	0.000411997
2087 Jul	0.00111642	0.112913154	1.04193E-05	2.383275986	4.146242142	0.04411028	0.000716043	14.1289463	0.002365427	0.01025001	0.000348935	0.000398584	0.000156127	0.145882398	3.04858E-06	0.00033091	0.00059735	0.001889369	0.000295121

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.001126739	0.112936549	1.08194E-05	2.27063036	3.89498353	0.040007435	0.000690231	13.13239193	0.002246538	0.010463644	0.000315117	0.000354483	0.000145873	0.138688862	3.02319E-06	0.000303077	0.000522715	0.001822325	0.000262766
2087 Sep	0.001104239	0.109248191	1.0804E-05	2.040503025	3.461154699	0.033472996	0.000673333	11.27214622	0.001991594	0.01075175	0.00024992	0.000281304	0.00012409	0.12568976	2.83329E-06	0.00025656	0.000448193	0.0016812	0.000205628
2087 Oct	0.001130206	0.106287569	1.04701E-05	2.08794713	3.57600832	0.032270838	0.000757838	11.78573418	0.002009753	0.010915601	0.000230213	0.000269106	0.000125065	0.129223868	2.80969E-06	0.000273095	0.000426665	0.001561437	0.000218616
2087 Nov	0.001153126	0.105625637	1.03412E-05	2.169740915	3.740020514	0.032998294	0.000812158	12.49194145	0.00207947	0.010981978	0.000232484	0.000277437	0.000130589	0.134338826	2.84773E-06	0.000292538	0.000429337	0.001528399	0.000238026
2087 Dec	0.001153141	0.105637103	1.03447E-05	2.167531967	3.735822916	0.032941245	0.000811818	12.47252274	0.0020771	0.010988439	0.000231936	0.000276775	0.000130371	0.134215608	2.84641E-06	0.00029204	0.000428818	0.001527786	0.000237405
2088 Jan	0.001153658	0.105821326	1.0346E-05	2.167589903	3.737294912	0.03303403	0.000811387	12.46624565	0.00207668	0.010992863	0.000232223	0.000276525	0.000130299	0.134291321	2.84548E-06	0.000291753	0.000429734	0.001527629	0.000237045
2088 Feb	0.001154448	0.106075771	1.03468E-05	2.168870926	3.741556883	0.033189863	0.000811021	12.46772194	0.002077377	0.010996761	0.00023289	0.000276515	0.000130314	0.134462744	2.84505E-06	0.000291616	0.00043126	0.00152782	0.000236862
2088 Mar	0.001156303	0.106344946	1.03601E-05	2.172245741	3.748492479	0.033315472	0.000811825	12.48392487	0.002080321	0.01101246	0.000233539	0.000276851	0.000130482	0.134721905	2.84834E-06	0.000291902	0.000432621	0.001529812	0.000237056
2088 Apr	0.001169611	0.107705317	1.04746E-05	2.197093487	3.792910814	0.03379878	0.000820477	12.62230968	0.002103719	0.011136481	0.000236608	0.000279888	0.000131928	0.136332005	2.87934E-06	0.000295009	0.000438524	0.001546778	0.000239525
2088 May	0.001213315	0.117414623	1.0707E-05	2.27141881	3.981242418	0.039080027	0.000821213	12.85503292	0.002159864	0.011463625	0.000266116	0.000284861	0.000134989	0.143695086	2.91833E-06	0.0002952	0.000493938	0.001587026	0.00023724
2088 Jun	0.001136893	0.106993437	1.00727E-05	2.688855171	4.723534107	0.047877222	0.000862581	16.86722946	0.00267867	0.010111678	0.000365478	0.000477069	0.000180977	0.162692398	3.24186E-06	0.000405212	0.000667841	0.001983033	0.000376507
2088 Jul	0.001124651	0.106690913	1.06701E-05	2.595069647	4.481507778	0.044174913	0.000812614	16.03403282	0.002615656	0.010457225	0.000336184	0.000474997	0.000173244	0.154827878	3.28883E-06	0.000385653	0.000657062	0.002111538	0.000354425
2088 Aug	0.001156661	0.110122874	1.13045E-05	2.557560444	4.370192051	0.042459533	0.000807412	15.43144321	0.002568251	0.010923467	0.000319038	0.000446627	0.000168123	0.152782172	3.33549E-06	0.000366805	0.000621897	0.002119909	0.000329807
2088 Sep	0.001128288	0.107197255	1.12721E-05	2.347900391	3.970242023	0.037406817	0.000771302	13.70590019	0.002336585	0.010954255	0.000271354	0.000379199	0.00014969	0.141045496	3.15828E-06	0.000321665	0.000546667	0.001977988	0.000277411
2088 Oct	0.001124375	0.101744145	1.03385E-05	2.095763445	3.595726967	0.030381357	0.000804903	12.03523731	0.002018358	0.011011688	0.000204162	0.000270938	0.000124622	0.129120901	2.8016E-06	0.000281316	0.000424707	0.001554705	0.000225333
2088 Nov	0.001155941	0.102320686	1.02097E-05	2.186332226	3.787739992	0.031681176	0.00085815	12.81864166	0.002095414	0.011076098	0.000213436	0.000278047	0.000130983	0.135110319	2.84202E-06	0.00030127	0.00042564	0.00150702	0.00024572
2088 Dec	0.00115615	0.102359273	1.02155E-05	2.184385538	3.783933401	0.031631287	0.000857824	12.79992676	0.002093287	0.011084453	0.000212958	0.000277409	0.000130779	0.135004431	2.84117E-06	0.000300785	0.000425189	0.001506707	0.000245101
2089 Jan	0.00115661	0.102547996	1.02164E-05	2.184290886	3.78515029	0.031726912	0.000857259	12.7922039	0.002092707	0.011088219	0.000213271	0.000277135	0.000130697	0.135073185	2.84005E-06	0.000300458	0.000426112	0.00150649	0.000244704
2089 Feb	0.001157543	0.102821462	1.02185E-05	2.185828924	3.789882421	0.031890363	0.000856947	12.7948885	0.002093639	0.01109336	0.000213989	0.000277155	0.000130726	0.135262489	2.83994E-06	0.000300345	0.000427718	0.001506871	0.000244539
2089 Mar	0.001159732	0.103119746	1.02345E-05	2.189840555	3.797963381	0.032025713	0.000858021	12.81492996	0.002097187	0.01111227	0.000214691	0.000277568	0.000130932	0.135562018	2.844E-06	0.00030072	0.000429214	0.001509267	0.000244804
2089 Apr	0.001168093	0.103937231	1.03059E-05	2.205542564	3.825997829	0.032310095	0.000863818	12.90436459	0.002112014	0.011190915	0.000216451	0.000279491	0.000131846	0.136570588	2.86357E-06	0.000302751	0.000432798	0.001519825	0.000246429
2089 May	0.001281319	0.131416753	1.03253E-05	2.642513275	4.845808029	0.055184916	0.000893753	15.65489197	0.002514229	0.011299571	0.000424101	0.000365558	0.000168879	0.171378329	3.05397E-06	0.000353724	0.000670183	0.001681497	0.000304702
2089 Jun	0.001261466	0.136803389	1.03153E-05	2.913448334	5.385247707	0.066245794	0.000863134	17.86349869	0.002847977	0.010727817	0.00053234	0.000488512	0.000197877	0.186833814	3.27036E-06	0.000405456	0.000843047	0.002017834	0.000373459
2089 Jul	0.001159431	0.125638261	1.05981E-05	2.40593648	4.31294632	0.050680514	0.000690907	14.08344173	0.002376848	0.010562374	0.000409411	0.000391661	0.000157867	0.151881933	3.01583E-06	0.000315194	0.000664596	0.001909619	0.000277171
2089 Aug	0.001149557	0.119258992	1.08484E-05	2.218102455	3.882641554	0.041889559	0.000658016	12.76100922	0.002190407	0.010537924	0.000338301	0.000330073	0.00014218	0.138101608	2.95168E-06	0.000282814	0.000519276	0.001756427	0.000241739
2089 Sep	0.001147506	0.112257138	1.06169E-05	2.147404432	3.742104292	0.036671191	0.000726057	12.31961727	0.002089343	0.010754657	0.00027795	0.000288528	0.000132864	0.133884847	2.85895E-06	0.000276001	0.000458728	0.001612547	0.000227484
2089 Oct	0.00129899	0.109214053	1.01081E-05	2.79570055	5.032492161	0.04443901	0.001067655	18.07502937	0.002713526	0.011054864	0.000323829	0.00039934	0.000182088	0.172500893	3.26222E-06	0.000424579	0.000529169	0.001585187	0.000385596
2089 Nov	0.001322086	0.109998956	1.01408E-05	2.883953333	5.205588341	0.045879938	0.001103799	18.81397247	0.002802008	0.011127548	0.000334799	0.00041611	0.000189005	0.177783445	3.3306E-06	0.000442627	0.000543292	0.001603049	0.00040513
2089 Dec	0.001322096	0.110034056	1.01479E-05	2.880940199	5.199502468	0.045807023	0.001103087	18.78529358	0.002798792	0.011136967	0.000334118	0.000415253	0.000188707	0.177611679	3.32916E-06	0.00044191	0.000542678	0.00160278	0.000404239
2090 Jan	0.001322548	0.110220894	1.0151E-05	2.88039875	5.199577808	0.045884117	0.00110242	18.77297211	0.002797768	0.011142699	0.000334296	0.000414876	0.000188583	0.177648216	3.32808E-06	0.000441484	0.000543472	0.001602765	0.000403713
2090 Feb	0.001323535	0.110489197	1.01547E-05	2.881880283	5.203972816	0.046035089	0.001102162	18.77489471	0.002798666	0.011149337	0.000334945	0.000414879	0.000188605	0.177827686	3.32823E-06	0.000441366	0.000544985	0.001603331	0.000403528
2090 Mar	0.001325393	0.110745721	1.01669E-05	2.885560751	5.211557388	0.046163347	0.00110312	18.79465485	0.002801946	0.011164069	0.000335633	0.000415294	0.000188806	0.178102851	3.33163E-06	0.000441741	0.000546353	0.001605237	0.000403829
2090 Apr	0.001331137	0.11128369	1.02097E-05	2.897856951	5.234302521	0.046399817	0.001107563	18.8723278	0.002813717	0.011211924	0.000337212	0.000416998	0.000189587	0.178889304	3.34534E-06	0.000443515	0.000549066	0.001611996	0.000405427
2090 May	0.001358069	0.119748265	1.03355E-05	2.961735487	5.406885147	0.051802676	0.001095045	19.10746193	0.00286806	0.011364127	0.000386699	0.000427898	0.000194753	0.185331196	3.36819E-06	0.000443562	0.000609633	0.001662765	0.000405148
2090 Jun	0.001249991	0.113403536	1.01635E-05	3.033062935	5.547216415	0.055700175	0.001000116	20.35679626	0.003059893	0.010312187	0.000433664	0.000542298	0.000211428	0.185186997	3.47493E-06	0.000470577	0.000729708	0.002022903	0.000453948
2090 Jul	0.001116474	0.106883466	1.0636E-05	2.468333483	4.348026276	0.042509139	0.000770516	15.58130932	0.002524027	0.010356183	0.000327774	0.000450641	0.000165773	0.148056641	3.18113E-06	0.000359039	0.000627256	0.002056073	0.000330802
2090 Aug	0.00114533	0.097273	1.02857E-05	2.50026083	4.363266945	0.038837261	0.000907643	15.72052574	0.002454164	0.009791179	0.00027713	0.000352434	0.000166063	0.151986897	3.09173E-06	0.000356306	0.000431564	0.001587732	0.000323125
2090 Sep	0.001296935	0.105551198	1.01803E-05	2.932689905	5.270661831	0.046286803	0.001112166	19.32214355	0.002864588	0.010605161	0.000336956	0.000428083	0.000196352	0.179389074	3.38053E-06	0.000450678	0.000522731	0.001615369	0.000418041
2090 Oct	0.0013847	0.110804938	1.01273E-05	3.190719604	5.789747238	0.050569464	0.001227484	21.36174583	0.003106281	0.011117707	0.000373298	0.000477713	0.000213965	0.195232436	3.56493E-06	0.000508862	0.000582437	0.001651014	0.000474895
2090 Nov	0.001390399	0.110826597	1.01183E-05	3.230050564	5.853260517	0.051152926	0.001241429	21.62862968	0.003141491	0.011103277	0.000378189	0.000485444	0.000216978	0.197378308	3.59555E-06	0.000517477	0.000587205	0.001657146	0.000483501
2090 Dec	0.001389731	0.110830903	1.01242E-05	3.224005699	5.841355801	0.051023655	0.001239687	21.57523346	0.003135201	0.011111877	0.000377033	0.000483951	0.000216431	0.197028682	3.59169E-06	0.000516149	0.000586059	0.001656051	0.000481939
2091 Jan	0.001390222	0.111065336	1.01257E-05	3.223828554	5.8425951	0.051143587	0.001238857	21.56446266	0.003134435	0.011116194	0.000377434	0.000483639	0.000216326	0.197108269	3.59035E-06	0.000515725	0.000587257	0.001656007	0.000481432
2091 Feb	0.001391038	0.111381717	1.01265E-05	3.224868774	5.846806049	0.051332705	0.001238107	21.56133842	0.003134745	0.01112034	0.00037822	0.000483534	0.000216301	0.197289824	3.58936E-06	0.000515432	0.000589118	0.001656199	0.000481077
2091 Mar	0.001394217	0.111775041	1.0147E-05	3.231684446	5.860423088	0.0515352	0.001240105	21.60115242	0.003140979	0.011144718	0.000379375	0.000484402	0.000216703	0.197771877	3.59583E-06	0.000516263	0.000591279	0.001659552	0.000481802
2091 Apr	0.001405715	0.11277733	1.02294E-05	3.257962227	5.908790588	0.052007843	0.00124984	21.77334595	0.003166291	0.011236215	0.000382659	0.000488245	0.000218432	0.199417666	3.62446E-06	0.000520308	0.000596613	0.001672988	0.000485544
2091 May	0.001437542	0.128701195	1.03699E-05	3.327561617	6.133029938	0.06202567	0.001199757	21.71107101	0.003210983	0.011412827	0.000476171	0.000499102	0.000224221	0.208823368	3.61329E-06	0.000509375	0.000709449	0.001752494	0.00047272
2091 Jun	0.001286664	0.119665839	1.0204E-05	3.205340624	5.763827801	0.0603466	0.001055232	20.62301064	0.003146203	0.010461988	0.000473384	0.000552801	0.000220611	0.196275473	3.58961E-06	0.000498066	0.000763525	0.002013048	0.000467818
2091 Jul	0.001230316	0.117048346	1.08798E-05	2.912420273	5.120669842	0.052280337	0.000932552	18.17005348	0.002891386	0.01082468	0.000406249	0.00051424	0.00019654	0.175972342	3.51029E-06	0.00043874	0.00071707	0.002127198	0.000402538
2091 Aug	0.00109102	0.101450868	1.05503E-05	2.296985865	3.896657705	0.03691835	0.000778654	13.41368675	0.002243931	0.010004588	0.000270175	0.000335802	0.000148018	0.139021859	3.00011E-06	0.00031259	0.000461339	0.001709061	0.000268183
2091 Sep	0.001140498	0.09740591	1.02698E-05	2.426929951	4.145040989	0.03620863	0.000914399	14.51080513	0.002323674	0.01008388	0.000250488	0.000317696	0.00015525	0.147624701	3.03295E-06	0.000342281	0.000407608	0.001521362	0.000294274
2091 Oct	0.001353675	0.108769894	1.01412E-05	3.175362587	5.648841381	0.049740903	0.001214169	20.66546822	0.003053429	0.01088446	0.000365846	0.000467928	0.000211599	0.193108276	3.56759E-06	0.000504652	0.000562916	0.001640509	0.000463308
2091 Nov	0.001391184	0.110801183	1.01317E-05	3.278432131	5.864394665	0.051368188	0.001262947	21.53586578	0.003152759	0.011097698	0.000379418	0.00048696	0.000218783	0.199486911	3.64144E-06	0.000527715	0.000584283	0.001651286	0.00048619
2091 Dec	0.00138873	0.110735931	1.01382E-05	3.261253834	5.831873894	0.051014695	0.001257887	21.39451981	0.003135361	0.011111994	0.000376319	0.000483003	0.000217296	0.198493078	3.6292E-06	0.000524108	0.000581129	0.001647335	0.000482097
2092 Jan	0.001389573	0.111019768	1.01398E-05	3.262440205	5.836094379	0.051182754	0.001257359	21.39405823	0.003135925	0.011116668	0.000377032	0.000482958	0.000217293	0.198668092	3.62865E-06	0.000523903	0.000582795	0.001647639	0.000481838
2092 Feb	0.001390854	0.11141599	1.01428E-05	3.264504433	5.842654228	0.051419836	0.001256784	21.3966732	0.003137142	0.011123728	0.00037807	0.000482981	0.000217325	0.198933095	3.62835E-06	0.000523703	0.000585146	0.001648255	0.000481567
2092 Mar	0.001394559	0.111876078	1.0167E-05	3.2724154	5.858325005	0.051653959	0.001259116	21.44186592	0.003144308	0.011152446	0.000379397	0.000483964	0.000217786	0.199492231	3.6359E-06	0.000524661	0.000587642	0.001652142	0.000482383
2092 Apr	0.001404137	0.112736173	1.02352E-05	3.294440508	5.898601055	0.052062981	0.001267192	21.58241844	0.003165225	0.011228561	0.000382179	0.000487115	0.000219214	0.200878188	3.65969E-06	0.000528017	0.000592202	0.001663207	0.000485432
2092 May	0.001437139	0.130922571	1.03518E-05	3.362071276	6.149953842	0.063635133	0.001203746	21.50082207	0.003209684	0.011387766	0.000490828	0.000498842	0.000225408	0.21113497	3.62943E-06	0.000513103	0.00072277	0.001750033	0.000469476
2092 Jun	0.001335592	0.115750201	1.00932E-05	3.498916149	6.205709934	0.061646234	0.001200373	22.68509102	0.003394622	0.01038393	0.000480622	0.000598144	0.000241673	0.210954204	3.82848E-06	0.000568903	0.000752689	0.001991023	0.000534029
2092 Jul	0.001211997	0.108323693	1.04621E-05	2.948521376	5.061012268	0.048326999	0.000983094	18.25889778	0.002879594	0.010349938	0.000374398	0.000505014	0.000197883	0.174873441	3.53021E-06	0.000462092	0.000633919	0.001978043	0.000419587
2092 Aug	0.00119065	0.107467704	1.08541E-05	2.73100996	4.624783993	0.043342322	0.000919138	16.40060043	0.002657836	0.010502202	0.000328818	0.000438926	0.000179639	0.162348777	3.40694E-06	0.000408192	0.000556764	0.001904527	0.000360709
2092 Sep	0.001118412	0.100373216	1.0612E-05	2.348261118	3.920300961	0.034901213	0.00084107	13.47160912	0.002253755	0.01034111	0.000247958	0.000328703	0.000147839	0.141003773	3.05956E-06	0.000328038	0.000438023	0.00166855	0.000273295
2092 Oct	0.001184486	0.102573708	1.03387E-05	2.491573572	4.238791943	0.036616381	0.000947085	14.65557003	0.002362205	0.010720492	0.000257927	0.000336088	0.000155682	0.150953159	3.10971E-06	0.000362371	0.000449684	0.001577218	0.000303545
2092 Nov	0.001200642	0.103202544	1.02952E-05	2.526388168	4.314678192	0.037043661	0.000971512	14.93751335	0.002389499	0.010818708	0.000260485	0.000338239	0.000157631	0.153338224	3.12527E-06	0.000370361	0.000452893	0.001559876	0.000310597
2092 Dec	0.001200936	0.103253886	1.03022E-05	2.524220943	4.310655594	0.036991216	0.000971111	14.91776562	0.002387248	0.010828902	0.000259977	0.000337565	0.000157406	0.153223678	3.12435E-06	0.000369814	0.000452488	0.001559729	0.000309925
2093 Jan	0.001201264	0.103424266	1.03026E-05	2.523564339	4.310888767	0.03707068	0.000970395	14.90711117	0.002386216	0.01083248	0.000260189	0.000337214	0.000157287	0.153256252	3.12282E-06	0.0003694	0.000453289	0.00155941	0.000309454
2093 Feb	0.001202179	0.103682831	1.03052E-05	2.524945259	4.315220356	0.037220515	0.000970104	14.90930367	0.002387058	0.010838129	0.00026084	0.000337219	0.000157308	0.15342997	3.12276E-06	0.000369279	0.000454784	0.001559837	0.000309283
2093 Mar	0.001206747	0.104175277	1.03415E-05	2.534244537	4.332193375	0.037428528	0.000973227	14.96094704	0.002395595	0.010877891	0.000262079	0.000338362	0.000157852	0.154044241	3.13329E-06	0.000370462	0.000457141	0.001565347	0.000310236
2093 Apr	0.00121561	0.10499683	1.04158E-05	2.552687168	4.364339828	0.03774159	0.000980052	15.06795216	0.002412883	0.010956965	0.000264146	0.000340768	0.00015898	0.155193493	3.15553E-06	0.000373057	0.000460859	0.001576605	0.000312387
2093 May	0.001289593	0.130037829	1.04614E-05	2.76581645	4.949302673	0.055350687	0.000949015	16.00889969	0.002589368	0.011195279	0.000426366	0.00037844	0.000176773	0.17642957	3.18844E-06	0.000380335	0.000653425	0.001687427	0.000320137
2093 Jun	0.001335713	0.117867358	1.01789E-05	3.489199877	6.193804741	0.062390603	0.00118834	22.49224281	0.003381313	0.010445856	0.000488501	0.000597688	0.000240723	0.210671186	3.82553E-06	0.000563669	0.00076687	0.002017524	0.000525627
2093 Jul	0.001215412	0.111466601	1.06349E-05	2.888753653	4.994715214	0.048567496	0.000949736	17.87077713	0.002834444	0.010483162	0.000379327	0.00049487	0.00019374	0.172203243	3.49499E-06	0.000444319	0.000640788	0.001999592	0.000401301
2093 Aug	0.00116088	0.108845495	1.08871E-05	2.507279873	4.255283833	0.040397201	0.000819237	14.8404417	0.002456389	0.010455008	0.000312864	0.000396606	0.000163193	0.149710089	3.24228E-06	0.000360143	0.000520034	0.001854817	0.00031237
2093 Sep	0.001159498	0.105123512	1.05947E-05	2.373538494	4.033842087	0.035989385	0.00085353	13.83198643	0.002283226	0.010669139	0.000263119	0.000333738	0.000148805	0.143447489	3.07084E-06	0.000334919	0.000456136	0.00165893	0.000278921
2093 Oct	0.001365088	0.109813228	1.01091E-05	3.206494093	5.655264378	0.049349334	0.00124241	20.50040054	0.003043829	0.011044905	0.000363865	0.000466356	0.000211001	0.194185361	3.59547E-06	0.000514417	0.000562888	0.001624185	0.000461306
2093 Nov	0.001392824	0.110825114	1.01335E-05	3.299331188	5.835148335	0.050718956	0.001286246	21.23322678	0.003130171	0.011156643	0.000373911	0.000480585	0.000217752	0.199810356	3.66433E-06	0.000533522	0.000574451	0.001629765	0.000480274
2093 Dec	0.001391844	0.110826328	1.0141E-05	3.290656805	5.818875313	0.050544221	0.001283612	21.1619339	0.003121563	0.011167455	0.000372355	0.000478565	0.000216999	0.199316159	3.65859E-06	0.00053162	0.000572939	0.00162833	0.000478152
2094 Jan	0.001392413	0.111074224	1.0143E-05	3.290456295	5.820306301	0.050669078	0.001282741	21.1516571	0.00312085	0.011172578	0.000372776	0.000478248	0.000216892	0.199399903	3.65723E-06	0.000531167	0.000574202	0.001628381	0.000477632
2094 Feb	0.001393338	0.111409545	1.01447E-05	3.291580439	5.824856758	0.050866332	0.001281979	21.14920616	0.003121273	0.011177743	0.000373597	0.000478148	0.000216869	0.199592695	3.65633E-06	0.000530861	0.000576158	0.001628692	0.00047727
2094 Mar	0.001396188	0.111782022	1.0163E-05	3.297583818	5.836856365	0.051056374	0.00128368	21.18213081	0.003126606	0.011199815	0.000374644	0.000478858	0.000217208	0.200025514	3.66191E-06	0.000531551	0.00057817	0.001631597	0.000477833
2094 Apr	0.001403218	0.112427704	1.02128E-05	3.313771963	5.866298199	0.051362708	0.001289616	21.28287888	0.003141749	0.011255761	0.000376693	0.000481116	0.000218241	0.201046854	3.67927E-06	0.000534001	0.000581558	0.001639569	0.000480003
2094 May	0.001459374	0.132899597	1.02403E-05	3.539221525	6.430278301	0.067272738	0.001265174	22.42800713	0.00334099	0.011276199	0.000524593	0.000528614	0.000238137	0.22108683	3.74719E-06	0.000549818	0.000753301	0.001763205	0.000498488
2094 Jun	0.001338072	0.140506998	1.03666E-05	3.276728868	5.975129604	0.071635403	0.001021144	19.97865105	0.00313254	0.01083408	0.000578262	0.000539268	0.000223053	0.207122073	3.55197E-06	0.000480364	0.000876509	0.002029984	0.000433081

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.001267446	0.135145232	1.0971E-05	2.888939381	5.157846451	0.060629275	0.000871286	17.005373	0.002793819	0.01107426	0.000488587	0.000478084	0.000192156	0.18071644	3.40431E-06	0.000405236	0.000782733	0.002075369	0.000354349
2094 Aug	0.00129235	0.137355879	1.1624E-05	2.809150934	4.960433483	0.057303451	0.000847771	16.18941498	0.002716908	0.011536223	0.000460099	0.000446663	0.000184026	0.175419539	3.43815E-06	0.000381183	0.000732674	0.002084597	0.000326018
2094 Sep	0.00116882	0.119873144	1.10136E-05	2.174078226	3.760730267	0.039190598	0.000743504	11.68921375	0.002068548	0.011393038	0.000292555	0.000285123	0.000130243	0.136976704	2.89581E-06	0.000269082	0.000523498	0.001713123	0.000202946
2094 Oct	0.001211994	0.109446809	1.03336E-05	2.381229877	4.145118237	0.036871087	0.000925407	13.84027781	0.002244138	0.01123503	0.000261656	0.000302218	0.000144576	0.147473633	2.98305E-06	0.000334022	0.000465771	0.001524635	0.000268414
2094 Nov	0.001313098	0.108098455	1.0089E-05	2.877792597	5.07990694	0.043319408	0.001143794	18.0399189	0.002723885	0.011161698	0.000311852	0.000394461	0.000184095	0.175621495	3.3343E-06	0.000446066	0.000507985	0.001535773	0.000387103
2094 Dec	0.001323326	0.108383037	1.0089E-05	2.928094387	5.175000191	0.044186518	0.001162059	18.44924736	0.002773599	0.011159795	0.000319151	0.000404727	0.000188194	0.178526938	3.37241E-06	0.00045664	0.000515477	0.001545152	0.000398456
2095 Jan	0.001324462	0.108699851	1.00921E-05	2.92999053	5.180700302	0.044375092	0.001161749	18.45368195	0.002774844	0.011166308	0.000319979	0.000404782	0.000188238	0.178751752	3.37247E-06	0.000456532	0.000517345	0.00154572	0.000398297
2095 Feb	0.001326049	0.109122925	1.00945E-05	2.933670998	5.190507889	0.044654924	0.001161623	18.46902466	0.002777645	0.011172675	0.00032133	0.000405143	0.000188399	0.179118589	3.3732E-06	0.000456641	0.000520086	0.001546652	0.000398371
2095 Mar	0.001328052	0.109455086	1.01058E-05	2.937683582	5.19931078	0.044835206	0.001162402	18.48851395	0.002781032	0.011187286	0.000322241	0.000405551	0.0001886	0.179444045	3.37625E-06	0.000456966	0.000521946	0.001548482	0.000398606
2095 Apr	0.001336522	0.110250957	1.01683E-05	2.956041336	5.232750893	0.045182813	0.001169216	18.6003418	0.002798165	0.011257757	0.000324513	0.000407984	0.000189742	0.180612251	3.39654E-06	0.000459638	0.000525867	0.001558066	0.000400899
2095 May	0.001427835	0.142328545	1.02107E-05	3.310863018	6.134456158	0.070143953	0.001133662	20.50395584	0.003117932	0.011302173	0.000556349	0.000483053	0.000221336	0.212247655	3.50229E-06	0.000484791	0.000794963	0.001750137	0.000431412
2095 Jun	0.001424329	0.156596869	1.05094E-05	3.425708055	6.426132679	0.081621386	0.001044849	21.01136017	0.003263935	0.011220775	0.000667824	0.000547866	0.000234871	0.222044334	3.58423E-06	0.000486745	0.000964684	0.002031298	0.000439866
2095 Jul	0.001377883	0.152396113	1.10888E-05	3.095367908	5.716230392	0.071504198	0.000921443	18.44607353	0.002968458	0.011469013	0.000587132	0.000486649	0.000208025	0.199384853	3.47109E-06	0.000422551	0.000859794	0.002031175	0.000371908
2095 Aug	0.001169871	0.121407382	1.06273E-05	2.364773035	4.172049046	0.046740774	0.000746917	13.4344883	0.002267011	0.010341408	0.000370527	0.000324007	0.000152305	0.149272472	2.96789E-06	0.000301527	0.000536521	0.001663189	0.000249913
2095 Sep	0.001148516	0.106146738	1.04597E-05	2.369652271	4.089869499	0.039398685	0.000851528	13.7652359	0.00225591	0.010137939	0.000287969	0.000301181	0.000151215	0.146443814	2.97883E-06	0.000316527	0.000432136	0.00153217	0.000263036
2095 Oct	0.001189199	0.10645698	1.03828E-05	2.455036163	4.271222115	0.039295353	0.000918962	14.56756496	0.002333794	0.010483933	0.000283904	0.00031408	0.00015571	0.151424199	3.03681E-06	0.000340798	0.000441945	0.001517918	0.000284952
2095 Nov	0.001249013	0.106570549	1.01996E-05	2.616929531	4.612237453	0.040060379	0.001026211	16.09511566	0.002487683	0.010873258	0.000286579	0.000343145	0.000166017	0.160816431	3.14088E-06	0.00038468	0.000463191	0.001501503	0.000327354
2095 Dec	0.001254973	0.10663116	1.01905E-05	2.629424095	4.639439106	0.040061783	0.001035816	16.21630669	0.002499493	0.010922271	0.000286155	0.000345108	0.000166712	0.161551535	3.1495E-06	0.000388155	0.000464699	0.001499875	0.000330563
2096 Jan	0.001256634	0.106997907	1.0193E-05	2.633258104	4.64918375	0.040301643	0.001036163	16.23553276	0.002502556	0.010930265	0.000287314	0.000345532	0.000166894	0.161903605	3.15074E-06	0.000388421	0.000467115	0.001500756	0.000330788
2096 Feb	0.001258499	0.107501619	1.0199E-05	2.636303663	4.658080578	0.040594291	0.001035725	16.24205399	0.002504548	0.010941958	0.000288602	0.000345622	0.000166962	0.162258238	3.15108E-06	0.000388262	0.000470056	0.00150183	0.000330531
2096 Mar	0.001260572	0.107867092	1.02112E-05	2.640093565	4.666662216	0.04078551	0.001036334	16.25845909	0.002507653	0.010957807	0.000289528	0.000345939	0.000167131	0.162582725	3.15389E-06	0.000388482	0.000472033	0.001503684	0.000330643
2096 Apr	0.001268196	0.108624712	1.02703E-05	2.655749798	4.695390224	0.041101675	0.001041988	16.3509903	0.002522247	0.011022856	0.000291531	0.00034789	0.000168083	0.163597867	3.17163E-06	0.000390596	0.00047556	0.001512431	0.000332402
2096 May	0.00134158	0.129796892	1.03469E-05	2.900665998	5.315509319	0.056954343	0.001035368	17.75422668	0.002745877	0.011213176	0.000437759	0.000398247	0.000189001	0.184953526	3.25927E-06	0.000411148	0.00065096	0.001640413	0.000355654
2096 Jun	0.00138536	0.115644701	1.01941E-05	3.622140884	6.602062225	0.062997945	0.001272989	24.74328423	0.003584879	0.010422226	0.000494354	0.000634641	0.00025561	0.217904583	3.92818E-06	0.000597952	0.000765464	0.002032885	0.000569803
2096 Jul	0.001277635	0.112614214	1.08268E-05	3.110741615	5.519394875	0.051888868	0.001052242	20.32362747	0.003104465	0.010685525	0.000404626	0.000551648	0.000213764	0.185054526	3.67992E-06	0.000491592	0.000688367	0.002101828	0.000454613
2096 Aug	0.001264513	0.112597778	1.12812E-05	2.92977643	5.129176617	0.047524773	0.000998377	18.60473633	0.002911599	0.010919079	0.000363611	0.000492422	0.000197687	0.174596593	3.59438E-06	0.000444446	0.000620862	0.002049171	0.000401658
2096 Sep	0.001203937	0.105175398	1.06784E-05	2.527932644	4.398797989	0.038105622	0.00094527	15.4678421	0.002456287	0.010854966	0.000273696	0.000363147	0.000161724	0.152977422	3.17843E-06	0.00036638	0.000483978	0.001696812	0.00031233
2096 Oct	0.001358226	0.109343551	1.01844E-05	3.043794155	5.462843418	0.046208892	0.001210271	19.82385826	0.002921243	0.011186875	0.000337127	0.000433322	0.000199488	0.185409412	3.46531E-06	0.00048048	0.000533738	0.001584306	0.000427112
2096 Nov	0.001390932	0.110760748	1.02117E-05	3.173522949	5.715586662	0.04849289	0.001260594	20.8805542	0.003048563	0.011251071	0.000356169	0.000457716	0.000209751	0.193135157	3.56342E-06	0.000507044	0.000553588	0.001605233	0.000455019
2096 Dec	0.00138998	0.110737287	1.02141E-05	3.167457819	5.703921318	0.048373424	0.001258646	20.82987022	0.003042442	0.01125542	0.000355116	0.000456348	0.000209231	0.192785487	3.55914E-06	0.000505753	0.00055253	0.001604006	0.000453591
2097 Jan	0.001389985	0.110921808	1.02145E-05	3.165424347	5.701510429	0.048445337	0.001257244	20.80597496	0.003039946	0.011258539	0.000355185	0.000455704	0.00020899	0.192746729	3.55643E-06	0.000505003	0.000553279	0.001603499	0.000452761
2097 Feb	0.001390548	0.111191049	1.02147E-05	3.165737867	5.704102039	0.048601266	0.001256355	20.79880142	0.00303965	0.011261736	0.000355791	0.000455503	0.000208921	0.192871511	3.55506E-06	0.000504628	0.000554823	0.001603518	0.000452337
2097 Mar	0.001392329	0.11145597	1.02257E-05	3.169262886	5.711560726	0.048737958	0.0012572	20.8169136	0.003042709	0.011275413	0.000356499	0.000455875	0.000209105	0.193144023	3.55808E-06	0.000504957	0.000556254	0.001605228	0.000452584
2097 Apr	0.001402961	0.112377413	1.03026E-05	3.19315958	5.755262852	0.049152881	0.001266362	20.97097778	0.003065464	0.011361086	0.000359366	0.000459235	0.000210654	0.194633529	3.58437E-06	0.000508631	0.000560916	0.001617288	0.000455849
2097 May	0.001434339	0.137801394	1.04083E-05	3.236352205	6.010472775	0.065006003	0.001152713	20.40058517	0.003074262	0.0115272	0.000508669	0.000465709	0.00021527	0.206289262	3.49223E-06	0.000476342	0.000741178	0.001725931	0.000422096
2097 Jun	0.001372176	0.127006009	1.037E-05	3.481997967	6.360795498	0.066731043	0.001170607	22.83429718	0.003408339	0.010673037	0.000531125	0.000597408	0.000242496	0.213640377	3.78382E-06	0.000548744	0.000817484	0.002053976	0.000510995
2097 Jul	0.001279942	0.121791601	1.092E-05	2.999096632	5.352577686	0.054633766	0.000977113	18.96638107	0.002965593	0.010846701	0.000434119	0.000514255	0.000203738	0.181980252	3.55546E-06	0.000452577	0.000708524	0.002064899	0.000409744
2097 Aug	0.001210288	0.11656037	1.10924E-05	2.603138924	4.552066326	0.045304418	0.000846716	15.76706409	0.002566939	0.010722223	0.000355878	0.000413277	0.00017177	0.157951087	3.29251E-06	0.000368504	0.000575267	0.001906705	0.000320883
2097 Sep	0.001168878	0.11214073	1.10838E-05	2.36511755	4.081726551	0.039283417	0.000799808	13.81983471	0.002313169	0.010777478	0.00029739	0.000345405	0.000150974	0.144158468	3.10445E-06	0.00031881	0.000500924	0.001787603	0.00026521
2097 Oct	0.001178339	0.10764955	1.06032E-05	2.291806459	3.981363058	0.035217401	0.000859277	13.44706631	0.002205433	0.010979908	0.000253428	0.000303541	0.000141356	0.140738934	2.97176E-06	0.000314161	0.000449105	0.001596659	0.000253978
2097 Nov	0.001218323	0.107059106	1.03965E-05	2.438673735	4.279093742	0.036775205	0.000947305	14.73542309	0.002336145	0.01105299	0.000262805	0.0003226	0.000151873	0.149668753	3.04803E-06	0.000349216	0.000456433	0.001551162	0.000288908
2097 Dec	0.001224737	0.10702873	1.03685E-05	2.465427637	4.332523823	0.037134871	0.000961027	14.96667576	0.002360988	0.011057358	0.000265428	0.000326859	0.000153905	0.151270688	3.06362E-06	0.000355369	0.000458822	0.001547281	0.000295226
2098 Jan	0.001226566	0.107408822	1.03697E-05	2.470053911	4.343949795	0.03739889	0.000961703	14.99165154	0.002364684	0.011064528	0.000266721	0.000327349	0.000154143	0.151679873	3.06508E-06	0.000355771	0.000461352	0.001547832	0.00029559
2098 Feb	0.001228101	0.107892446	1.03712E-05	2.472769737	4.352533817	0.037700601	0.000961057	14.99677277	0.002366307	0.011071708	0.000268045	0.000327406	0.000154196	0.152021557	3.06449E-06	0.000355573	0.000464309	0.001548295	0.000295324
2098 Mar	0.001229611	0.108219139	1.03783E-05	2.475405693	4.359196186	0.037881829	0.000961163	15.00585556	0.002368287	0.011082333	0.000268877	0.000327566	0.00015429	0.152280003	3.06577E-06	0.000355609	0.000466148	0.001549421	0.000295281
2098 Apr	0.001254133	0.115587771	1.04109E-05	2.520030499	4.495021343	0.042470254	0.000952955	15.10937214	0.002396413	0.011200765	0.000289219	0.000329056	0.000155351	0.157639056	3.06097E-06	0.000353299	0.00051119	0.001558155	0.000291909
2098 May	0.001425868	0.157519549	1.03969E-05	3.122189045	5.93432188	0.075735837	0.001002166	18.69038963	0.002925847	0.01149531	0.000556662	0.000434787	0.000201504	0.207405448	3.28584E-06	0.000417833	0.000853363	0.001744851	0.000360342
2098 Jun	0.001406994	0.12162061	1.0378E-05	3.705454111	6.674519062	0.066039532	0.00128824	24.51483917	0.003612406	0.010647108	0.000520425	0.000637638	0.000258632	0.223594174	3.99441E-06	0.000606895	0.000797383	0.002061536	0.000566819
2098 Jul	0.001340398	0.12033359	1.10924E-05	3.33140564	5.885905266	0.057415437	0.001124736	21.35672379	0.003276987	0.011047423	0.000450017	0.000580805	0.00022803	0.199240997	3.85238E-06	0.00052741	0.00074387	0.002160484	0.000481896
2098 Aug	0.00116003	0.104701139	1.07662E-05	2.560643673	4.377588272	0.040630262	0.000892545	15.3501749	0.002489101	0.010225544	0.000301691	0.000381991	0.00016768	0.153753072	3.22445E-06	0.000366778	0.000493911	0.001767003	0.000315618
2098 Sep	0.001322642	0.108235456	1.0268E-05	3.06837368	5.401373386	0.047426209	0.001184911	19.44756317	0.002921012	0.010763434	0.000348396	0.00043755	0.000202212	0.185854211	3.49816E-06	0.000480103	0.000530727	0.001615159	0.000423706
2098 Oct	0.001480839	0.11608059	1.02534E-05	3.671729803	6.567783833	0.057983529	0.001427054	24.18112373	0.003494177	0.011227631	0.000437411	0.000551327	0.000247793	0.221892387	3.93812E-06	0.000607991	0.000636963	0.001701508	0.000552745
2098 Nov	0.001481712	0.116043314	1.02679E-05	3.665256977	6.550292969	0.057641752	0.001428067	24.09875488	0.003484871	0.011265748	0.00043415	0.000548614	0.000246894	0.221450672	3.93576E-06	0.0006069	0.000633805	0.001697647	0.000550653
2098 Dec	0.001479684	0.115987405	1.02734E-05	3.65199542	6.525344849	0.057381455	0.00142379	23.99205399	0.003471797	0.011275168	0.000431861	0.000545697	0.000245775	0.220687702	3.92644E-06	0.000604078	0.000631521	0.00169514	0.000547599
2099 Jan	0.001479951	0.116221279	1.02755E-05	3.650252819	6.523837566	0.057476409	0.001422387	23.96956444	0.003469573	0.011280562	0.000432023	0.000545064	0.000245542	0.220681399	3.92396E-06	0.000603309	0.000632521	0.001694879	0.000546748
2099 Feb	0.001481039	0.116565786	1.02783E-05	3.651882172	6.529241562	0.057680167	0.001421813	23.97060204	0.003470485	0.011286832	0.000432901	0.000545053	0.000245556	0.22090289	3.92359E-06	0.000603096	0.000634549	0.001695413	0.00054648
2099 Mar	0.001485006	0.117022976	1.03036E-05	3.660876513	6.546665192	0.057918891	0.001424673	24.02385521	0.003478673	0.01131657	0.000434327	0.000546232	0.000246102	0.221515551	3.93221E-06	0.000604301	0.000637072	0.00169956	0.000547518
2099 Apr	0.001517446	0.127341181	1.03982E-05	3.703979969	6.697017193	0.06385877	0.001406135	24.00685883	0.003500434	0.011520205	0.000459337	0.000544491	0.000246009	0.227803975	3.91879E-06	0.000596677	0.000696464	0.001715458	0.000538039
2099 May	0.001605502	0.177324742	1.02392E-05	4.036756039	7.641177654	0.100113511	0.001267454	24.66812325	0.003732552	0.011467802	0.00076112	0.000602917	0.000271486	0.265192866	3.87204E-06	0.000587621	0.001082567	0.001908723	0.000527714
2099 Jun	0.001410727	0.134538844	1.03767E-05	3.696970701	6.599336147	0.072460309	0.001235388	22.94925308	0.003500618	0.01080991	0.000576095	0.000609091	0.000252743	0.227208942	3.9166E-06	0.00058382	0.00085903	0.002036222	0.00052654
2099 Jul	0.001311532	0.127269208	1.09281E-05	3.172865152	5.539333344	0.058818296	0.001032383	19.08073997	0.003040626	0.010949796	0.000466733	0.000523114	0.000211996	0.192674294	3.66756E-06	0.000482003	0.000735069	0.002044487	0.000423453
2099 Aug	0.001215668	0.117117889	1.11063E-05	2.707669497	4.615403652	0.047116496	0.000904714	15.54627037	0.002582616	0.010711691	0.000359458	0.000402024	0.000175408	0.164542034	3.3448E-06	0.000382386	0.000572235	0.001856053	0.000320995
2099 Sep	0.001180455	0.104600459	1.04153E-05	2.52395606	4.275206089	0.038740944	0.000952267	14.48786545	0.002361807	0.010491477	0.000274411	0.000326777	0.000158128	0.153510049	3.11201E-06	0.000359683	0.000446421	0.001552556	0.000293127
2099 Oct	0.001344319	0.110906772	1.02198E-05	3.116955519	5.411892891	0.047711708	0.001220849	19.09552002	0.002904117	0.011069296	0.000346585	0.000430215	0.000200649	0.188774884	3.52403E-06	0.000491379	0.000537015	0.00157884	0.000421679
2099 Nov	0.001449326	0.115591481	1.02364E-05	3.593717337	6.295387745	0.056125507	0.0013976	22.71131516	0.003355076	0.011209545	0.000417142	0.000522701	0.000237571	0.216576561	3.88171E-06	0.00059107	0.000615216	0.001662977	0.00052305
2099 Dec	0.001449076	0.115614727	1.02434E-05	3.589081287	6.286824703	0.056027662	0.001396256	22.6737175	0.00335058	0.011219165	0.000416257	0.000521589	0.000237159	0.216316298	3.87902E-06	0.000590016	0.000614426	0.001662528	0.000521886
2100 Jan	0.001450173	0.115871847	1.02448E-05	3.591990471	6.293968678	0.05620582	0.001396455	22.68826866	0.003352922	0.011223136	0.000417165	0.000521945	0.000237311	0.216575608	3.88E-06	0.000590235	0.000616166	0.001663208	0.000522085
2100 Feb	0.001451637	0.116216503	1.02464E-05	3.596150875	6.304013252	0.056452177	0.001396762	22.70971107	0.003356315	0.011227662	0.000418445	0.000522489	0.000237539	0.216938257	3.88146E-06	0.000590582	0.000618561	0.001664176	0.000522415
2100 Mar	0.001452773	0.116442598	1.02517E-05	3.598390579	6.309324265	0.056581378	0.001396999	22.71924973	0.003358102	0.01123528	0.000419071	0.000522688	0.000237639	0.217138618	3.88275E-06	0.000590698	0.00061987	0.001665095	0.000522478
2100 Apr	0.001465063	0.117507234	1.03373E-05	3.628355742	6.362641335	0.057105809	0.001408283	22.90545845	0.003385886	0.011330088	0.000422759	0.000526951	0.000239586	0.218985036	3.91453E-06	0.00059546	0.000625565	0.001678963	0.00052666
2100 May	0.001492222	0.162278727	1.03195E-05	3.604568481	6.682995796	0.085005209	0.001158754	21.33236504	0.003316939	0.011428591	0.000689399	0.000524943	0.000241647	0.234662026	3.6388E-06	0.000517246	0.000946416	0.001845348	0.000449337
2100 Jun	0.001444412	0.124238476	1.02394E-05	4.007350922	6.994377613	0.070398971	0.001407246	25.12851524	0.003762466	0.010617798	0.000551244	0.000662707	0.000274457	0.239967167	4.20236E-06	0.000669038	0.000814786	0.002016521	0.000605931
2100 Jul	0.001296881	0.11451789	1.05075E-05	3.378260851	5.754669666	0.056001939	0.001158335	20.50976944	0.003204312	0.010490337	0.000435073	0.000566182	0.000226557	0.199558735	3.83416E-06	0.000547906	0.000697606	0.002014233	0.000484835
2100 Aug	0.001284526	0.10763406	1.03279E-05	3.249833584	5.487600803	0.051031325	0.001178798	19.50489998	0.003028225	0.010115336	0.000384055	0.000481729	0.000215541	0.192968458	3.68255E-06	0.000516394	0.000553872	0.001716116	0.000450661
2100 Sep	0.00134014	0.108079426	1.0332E-05	3.412240028	5.776653767	0.052484609	0.001292657	20.55050659	0.00314289	0.010387073	0.00038545	0.000482342	0.000225019	0.203489468	3.77723E-06	0.000547213	0.000546086	0.001642697	0.000475614
2100 Oct	0.001381569	0.111314587	1.03272E-05	3.478279352	5.92476368	0.053409491	0.001335621	21.03075981	0.003196277	0.010784749	0.000392866	0.000491293	0.000227772	0.208003521	3.82089E-06	0.000563144	0.00056836	0.00164293	0.000487758
2100 Nov	0.001402413	0.112684794	1.03515E-05	3.547544241	6.053934097	0.054600522	0.001363866	21.51985741	0.003258809	0.010892792	0.000402773	0.000503705	0.000232569	0.212155238	3.87477E-06	0.000577584	0.000582345	0.001656523	0.000501312
2100 Dec	0.001402746	0.112756751	1.03624E-05	3.544095993	6.047710419	0.054522794	0.001363003	21.49098969	0.003255522	0.010907286	0.00040204	0.000502777	0.000232236	0.211970314	3.87339E-06	0.00057672	0.000581815	0.001656716	0.000500326
2101 Jan	0.001403018	0.112940006	1.03646E-05	3.542412996	6.046259403	0.054587618	0.001361873	21.47317505	0.003253636	0.010912864	0.000402107	0.000502235	0.000232033	0.21194841	3.87129E-06	0.000576059	0.00058255	0.001656523	0.000499618
2101 Feb	0.001403594	0.113184169	1.03654E-05	3.542598248	6.048648357	0.05472422	0.001361082	21.46759224	0.003253398	0.010916668	0.00040263	0.000502049	0.000231968	0.212056324	3.87005E-06	0.000575703	0.000583931	0.001656599	0.000499234
2101 Mar	0.001404423	0.113359042	1.03696E-05	3.543996572	6.052167892	0.054818898	0.001361149	21.47240257	0.00325446	0.010922742	0.000403064	0.000502131	0.000232018	0.212192938	3.87079E-06	0.00057572	0.0005849	0.001657248	0.000499207
2101 Apr	0.001411981	0.114248656	1.04204E-05	3.561274052	6.08460474	0.055275306	0.001366566	21.56760216	0.00326975	0.010980564	0.00040574	0.000504279	0.000233039	0.213364378	3.88763E-06	0.00057798	0.000589662	0.001665313	0.00050106
2101 May	0.001481772	0.152680814	1.0386E-05	3.709487677	6.661666393	0.080351971	0.001237288	21.5800972	0.003369268	0.011273524	0.000640438	0.000534596	0.000246376	0.235859483	3.78945E-06	0.00055228	0.000879462	0.001823018	0.000474984

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.001414289	0.127012193	1.03355E-05	3.923430204	6.743907452	0.070305161	0.0013519	23.59366035	0.003628388	0.010678211	0.000552164	0.000641624	0.000264935	0.235056266	4.14757E-06	0.000645814	0.000825116	0.002037035	0.000571808
2101 Jul	0.001391192	0.12578842	1.10443E-05	3.741454601	6.340877056	0.064427339	0.001274099	22.17855263	0.003491872	0.01114203	0.000501922	0.000623581	0.000250044	0.221898749	4.14762E-06	0.00060797	0.000798365	0.002168199	0.00053237
2101 Aug	0.001384252	0.126091734	1.15004E-05	3.565180302	5.999472618	0.060268287	0.001216417	20.7919426	0.00332861	0.011403612	0.000465237	0.000574727	0.000235581	0.211688876	4.07204E-06	0.00056376	0.000740422	0.002140282	0.000486567
2101 Sep	0.001153222	0.105260931	1.06949E-05	2.4110322	3.968716621	0.036017023	0.000903123	12.97203541	0.00222454	0.010786674	0.000250114	0.000308564	0.00014603	0.145657063	3.08056E-06	0.000335325	0.000447725	0.0016174	0.000258367
2101 Oct	0.001212269	0.106715515	1.04519E-05	2.582906485	4.304032326	0.037936885	0.001006217	14.2707777	0.002359559	0.011023524	0.000264094	0.000326389	0.000156648	0.156289458	3.16963E-06	0.000376739	0.000458341	0.001549597	0.000295549
2101 Nov	0.001274498	0.108230412	1.01938E-05	2.820312977	4.752482891	0.041322183	0.001123322	16.05279541	0.002559598	0.011146205	0.000291296	0.000360932	0.000173154	0.170494795	3.30839E-06	0.000431554	0.000482277	0.001506346	0.000347541
2101 Dec	0.001279026	0.108391069	1.01875E-05	2.826152802	4.766207218	0.041313957	0.001129313	16.10245895	0.00256347	0.011182101	0.000290957	0.000360578	0.000173343	0.170910895	3.31097E-06	0.000433055	0.000481839	0.001500461	0.000348639
2102 Jan	0.001280785	0.108760908	1.01887E-05	2.831567287	4.778550625	0.041589025	0.00113007	16.13183022	0.002567898	0.0111871	0.000292438	0.000361316	0.000173656	0.171351984	3.31322E-06	0.000433646	0.000484479	0.001501474	0.000349196
2102 Feb	0.001282171	0.109218024	1.01907E-05	2.833677292	4.78600359	0.041867848	0.001129239	16.13454819	0.002569143	0.011193994	0.000293653	0.000361322	0.000173679	0.171648845	3.31241E-06	0.000433357	0.000487239	0.001502018	0.000348863
2102 Mar	0.001283621	0.109528236	1.01979E-05	2.836146355	4.792261124	0.042037543	0.001129337	16.14307213	0.002571015	0.011204438	0.000294431	0.000361469	0.000173766	0.171891421	3.31367E-06	0.000433383	0.000488969	0.001503139	0.000348816
2102 Apr	0.00128872	0.110070333	1.02359E-05	2.846990585	4.811781406	0.042274665	0.001133146	16.20162201	0.002580635	0.011247675	0.000295856	0.000362755	0.000174394	0.172601998	3.3254E-06	0.000434838	0.000491587	0.001508778	0.000349947
2102 May	0.001312357	0.112333611	1.04229E-05	2.897970676	4.900125504	0.043189015	0.001152195	16.48321915	0.002626593	0.011454535	0.000302487	0.000369155	0.000177506	0.175797597	3.38387E-06	0.000442145	0.000502207	0.001536945	0.000355713
2102 Jun	0.001333109	0.113548122	1.02769E-05	3.608323574	6.094603539	0.058482505	0.001287184	21.59366798	0.003346827	0.010536636	0.000446588	0.000587291	0.000240069	0.212555185	3.96645E-06	0.000598561	0.000711228	0.001962919	0.000523683
2102 Jul	0.001241092	0.111820891	1.06961E-05	3.182721376	5.277264595	0.050920814	0.001075868	18.43331718	0.002988458	0.010499662	0.000394249	0.000531766	0.000209196	0.18581894	3.74474E-06	0.000509646	0.000658467	0.002031438	0.000437787
2102 Aug	0.001155541	0.105150841	1.08073E-05	2.691830158	4.385413647	0.040972173	0.000925329	14.94446468	0.00252171	0.010273478	0.000305843	0.000405644	0.000171889	0.158042863	3.37168E-06	0.000400455	0.00050972	0.001823122	0.000329898
2102 Sep	0.001129129	0.100704491	1.06171E-05	2.461938858	3.993849754	0.035476558	0.000904035	13.33277988	0.002275954	0.01031537	0.000249626	0.000327476	0.000152039	0.146187261	3.14313E-06	0.000351626	0.000425761	0.001628232	0.000277474
2102 Oct	0.001349616	0.110131294	1.02071E-05	3.300882816	5.539898872	0.04882884	0.001289388	19.21247292	0.002984194	0.011026933	0.000355186	0.00045528	0.000209775	0.196595863	3.6908E-06	0.000534034	0.000546091	0.001602852	0.000447058
2102 Nov	0.001355232	0.110581882	1.0239E-05	3.30252552	5.544528484	0.048762992	0.001293475	19.21084595	0.002984145	0.011098218	0.000354152	0.000453775	0.000209508	0.196804017	3.69458E-06	0.000533973	0.00054603	0.001601879	0.000446309
2102 Dec	0.001355079	0.110610217	1.02456E-05	3.298194408	5.537018776	0.048676863	0.001292211	19.17866516	0.002980167	0.011107438	0.000353373	0.000452762	0.000209136	0.196567714	3.69201E-06	0.000532977	0.000545345	0.001601497	0.000445253
2103 Jan	0.001355297	0.110787764	1.02471E-05	3.296549082	5.535781384	0.048746124	0.001291055	19.16226959	0.002978387	0.011111746	0.000353478	0.000452246	0.000208945	0.196549714	3.68981E-06	0.000532326	0.000546088	0.001601234	0.000444578
2103 Feb	0.001356399	0.1110752	1.02516E-05	3.298103094	5.540561676	0.048905805	0.001290773	19.16527176	0.002979424	0.011119392	0.00035417	0.000452259	0.000208972	0.196740627	3.69002E-06	0.000532191	0.000547704	0.001601926	0.000444392
2103 Mar	0.001358032	0.111316599	1.02618E-05	3.301461458	5.5473876	0.049030166	0.001291602	19.18149948	0.002982258	0.011132029	0.000354817	0.00045261	0.000209145	0.196994558	3.69295E-06	0.000532522	0.000549003	0.001603522	0.000444629
2103 Apr	0.0013653	0.111973971	1.03156E-05	3.318778276	5.577162743	0.049330056	0.001298099	19.28022575	0.002997786	0.011191172	0.000356842	0.000454921	0.00021022	0.198058531	3.71184E-06	0.000535195	0.000552307	0.001611913	0.000446837
2103 May	0.001439522	0.139537141	1.03884E-05	3.568890095	6.234312057	0.069338314	0.001256555	20.35819626	0.00320773	0.011350799	0.000542184	0.000503751	0.000231645	0.222007722	3.76643E-06	0.000545614	0.000771201	0.001758401	0.000458306
2103 Jun	0.001394975	0.12226481	1.02661E-05	3.973810911	6.696294785	0.068155475	0.00138534	23.3431263	0.003624246	0.010529513	0.000532569	0.00064853	0.000266188	0.2348665	4.21433E-06	0.000664737	0.000801886	0.002033232	0.000581012
2103 Jul	0.001267279	0.112938657	1.06139E-05	3.336625814	5.481367111	0.053104904	0.00113976	18.99938583	0.003079265	0.010470905	0.000412597	0.000545796	0.000218543	0.19431369	3.85021E-06	0.000541621	0.000662674	0.001999372	0.000461952
2103 Aug	0.001218297	0.106589966	1.04759E-05	2.858099461	4.636966228	0.042248212	0.00100792	15.82696438	0.002606689	0.010047686	0.0003267	0.000395124	0.000182325	0.167620748	3.45608E-06	0.000438802	0.000438926	0.001597725	0.00036224
2103 Sep	0.001344172	0.110250853	1.03036E-05	3.389969349	5.588079453	0.050105248	0.001287593	19.29504013	0.003036247	0.010713436	0.000373017	0.000470586	0.000216709	0.199912027	3.79538E-06	0.000551164	0.000535008	0.001621053	0.000460769
2103 Oct	0.001459291	0.114804983	1.01964E-05	3.919822693	6.506187916	0.058366593	0.001521107	22.72064209	0.003478694	0.01113254	0.000434364	0.000559834	0.000252978	0.230745003	4.17019E-06	0.000664657	0.000627415	0.001682657	0.000563856
2103 Nov	0.001463195	0.114846796	1.02004E-05	3.942701101	6.536047935	0.058574703	0.001531188	22.82073784	0.003494543	0.011147356	0.000435777	0.000563113	0.000254365	0.231919214	4.1896E-06	0.0006697	0.000629199	0.001684929	0.000567849
2103 Dec	0.001462428	0.114836626	1.02047E-05	3.935872078	6.524519444	0.058449857	0.001528989	22.77405739	0.003488466	0.011153844	0.000434686	0.000561695	0.000253821	0.231541544	4.18483E-06	0.000668216	0.000628152	0.001683931	0.000566359
2104 Jan	0.001462506	0.115043037	1.02052E-05	3.933347702	6.522331715	0.058531605	0.001527321	22.75199699	0.003485929	0.01115741	0.000434789	0.000561014	0.00025356	0.231492177	4.18157E-06	0.000667321	0.000629028	0.001683473	0.000565468
2104 Feb	0.00146333	0.115360484	1.02068E-05	3.933873415	6.526024342	0.058712747	0.001526391	22.74789429	0.003485993	0.011162459	0.000435515	0.00056084	0.000253505	0.231648475	4.18027E-06	0.000666912	0.000630843	0.00168372	0.000565039
2104 Mar	0.001465169	0.115643509	1.02177E-05	3.937758446	6.533991814	0.058863752	0.001527298	22.76630592	0.00348922	0.011176194	0.000436297	0.000561246	0.000253705	0.231945783	4.18347E-06	0.000667291	0.000632404	0.001685455	0.00056531
2104 Apr	0.0014775	0.116694383	1.03026E-05	3.970304012	6.588851452	0.059402559	0.001539584	22.9521904	0.003517938	0.01127009	0.000440101	0.000565802	0.000255773	0.233901367	4.21752E-06	0.000672649	0.000638158	0.001699426	0.00056982
2104 May	0.001505941	0.152705938	1.02988E-05	3.987098694	6.922401428	0.082529403	0.001349532	22.06923294	0.003506532	0.011321755	0.000660556	0.000573376	0.000260949	0.248623744	4.02504E-06	0.000617102	0.000901669	0.001845214	0.000517304
2104 Jun	0.001372089	0.120672837	1.02256E-05	4.012276649	6.56498909	0.067134365	0.001398963	22.40246773	0.003569562	0.010463879	0.000523231	0.000643565	0.000264193	0.234782234	4.26683E-06	0.000675685	0.000789269	0.00202164	0.000575977
2104 Jul	0.00123483	0.113471255	1.06618E-05	3.235062122	5.187063217	0.0513722	0.001088937	17.43665123	0.002929703	0.010472829	0.0004002	0.000518791	0.000207736	0.187643215	3.79063E-06	0.000518584	0.000646609	0.001984788	0.000428961
2104 Aug	0.00115199	0.105993971	1.06748E-05	2.735080242	4.326556206	0.041203227	0.000937268	14.26306915	0.002477813	0.010169867	0.000311701	0.000394993	0.000171223	0.159522876	3.39901E-06	0.000410247	0.00049155	0.00175733	0.000326705
2104 Sep	0.00122563	0.10337539	1.02731E-05	3.022470951	4.82365799	0.043393143	0.00114433	16.10618973	0.002665738	0.010331726	0.000312366	0.000399985	0.000188171	0.177450165	3.52464E-06	0.000472963	0.000473113	0.00157925	0.000378582
2104 Oct	0.001415243	0.112807237	1.01762E-05	3.798666477	6.159314632	0.055381	0.00147592	21.01974487	0.003305425	0.011059461	0.000408649	0.000526448	0.000240453	0.222475335	4.09163E-06	0.000639871	0.000595628	0.001644668	0.00052859
2104 Nov	0.001441003	0.114019059	1.01862E-05	3.924438238	6.36682272	0.057364184	0.001524193	21.79549599	0.003410677	0.011117797	0.000424956	0.000548292	0.000249325	0.229562387	4.18923E-06	0.000666324	0.000614165	0.001663712	0.000552852
2104 Dec	0.001440388	0.114020817	1.01916E-05	3.917729378	6.355896473	0.057243563	0.001522049	21.75191879	0.003404904	0.011125473	0.000423897	0.000546911	0.000248796	0.229196653	4.18462E-06	0.000664847	0.00061318	0.001662881	0.000551395
2105 Jan	0.001440261	0.114182554	1.01916E-05	3.914449453	6.352355003	0.057293333	0.001520255	21.7275238	0.003401869	0.011128225	0.000423831	0.000546144	0.000248498	0.229091704	4.18092E-06	0.000663862	0.000613752	0.001662258	0.000550443
2105 Feb	0.001440965	0.11444816	1.01934E-05	3.914696217	6.355187893	0.057439703	0.001519434	21.72341919	0.003401806	0.011133048	0.000424401	0.000545963	0.000248439	0.229211807	4.17975E-06	0.000663477	0.000615233	0.001662483	0.000550049
2105 Mar	0.00144174	0.114623979	1.01972E-05	3.915892363	6.358455658	0.057535071	0.001519399	21.72707367	0.003402696	0.011138695	0.000424827	0.000546012	0.000248474	0.229339451	4.18025E-06	0.000663448	0.000616206	0.001663057	0.000549983
2105 Apr	0.001448421	0.115220457	1.02435E-05	3.933519602	6.387835503	0.057838541	0.001525953	21.8231678	0.003417926	0.011190117	0.000426909	0.000548402	0.000249569	0.23040469	4.19862E-06	0.000666301	0.000619429	0.001670581	0.000552324
2105 May	0.001493281	0.152730465	1.0245E-05	4.021570206	6.86773777	0.082807034	0.001357093	21.50680161	0.003477312	0.011254342	0.000663323	0.0005709	0.000260615	0.249628529	4.05472E-06	0.000624227	0.000901321	0.001834844	0.00051434
2105 Jun	0.00140503	0.141768694	1.03463E-05	3.942445278	6.582648277	0.077367157	0.001299801	21.00151253	0.003448231	0.010844612	0.000619039	0.000605568	0.000257183	0.239024386	4.10364E-06	0.000625264	0.000893371	0.002011457	0.000519171
2105 Jul	0.001281283	0.130629003	1.06133E-05	3.233195782	5.315490246	0.060391951	0.00103895	16.78667831	0.002872435	0.010678315	0.000485761	0.000486738	0.000206342	0.194651306	3.67434E-06	0.000490052	0.000713001	0.001904459	0.000395859
2105 Aug	0.001273244	0.109037563	1.02523E-05	3.371054888	5.372243881	0.051512152	0.001220286	17.96722794	0.002948831	0.010023168	0.000390793	0.000465786	0.000215205	0.197098508	3.79014E-06	0.000540554	0.000530272	0.001640061	0.000442699
2105 Sep	0.001410585	0.111928441	1.01839E-05	3.858304977	6.192289352	0.055908389	0.001495901	20.99814987	0.00332599	0.010923583	0.000412337	0.00053066	0.000243957	0.225005254	4.14517E-06	0.000651251	0.000589783	0.001640375	0.000535183
2105 Oct	0.001458648	0.11407879	1.01359E-05	4.097687721	6.58392477	0.059488811	0.00158967	22.44223404	0.003521439	0.01104401	0.000442717	0.00057419	0.00026042	0.238243684	4.32773E-06	0.000704073	0.000627559	0.001673877	0.000582769
2105 Nov	0.001457293	0.11385949	1.01315E-05	4.087169647	6.562236309	0.059128273	0.001588382	22.35093117	0.003509485	0.0110581	0.000439527	0.000571574	0.00025939	0.237552255	4.32059E-06	0.00070239	0.000624365	0.001669109	0.000580581
2105 Dec	0.001456103	0.113823384	1.01339E-05	4.078162193	6.547772408	0.058973767	0.001585381	22.29511642	0.003501842	0.011062843	0.0004382	0.000569837	0.000258709	0.237058371	4.31385E-06	0.000700474	0.000623066	0.001667641	0.000578747
2106 Jan	0.001456176	0.114034459	1.01344E-05	4.075351238	6.545504093	0.059056897	0.00158358	22.27340126	0.003499226	0.01106638	0.000438304	0.000569131	0.000258436	0.236998856	4.31028E-06	0.00069951	0.00062397	0.001667178	0.000577821
2106 Feb	0.001456911	0.114346944	1.01351E-05	4.075600147	6.548941612	0.059237625	0.001582518	22.26880646	0.00349913	0.011070484	0.000439024	0.000568935	0.000258367	0.237141937	4.30863E-06	0.000699049	0.000625782	0.001667323	0.000577365
2106 Mar	0.001457965	0.114570811	1.01404E-05	4.077357292	6.553425312	0.059359007	0.001582586	22.27493477	0.003500474	0.011078182	0.000439579	0.000569037	0.000258429	0.237315491	4.30954E-06	0.000699062	0.000627023	0.001668147	0.000577326
2106 Apr	0.00146685	0.115350008	1.02011E-05	4.101514339	6.593203545	0.059765559	0.00159161	22.40490913	0.003521119	0.011145545	0.000442393	0.000572325	0.000259931	0.238762423	4.33453E-06	0.000703038	0.000631294	0.001678095	0.000580581
2106 May	0.001484456	0.135309011	1.03166E-05	4.051319599	6.694302082	0.071155556	0.001471819	21.65947914	0.003474375	0.011320208	0.00055117	0.000564684	0.000258276	0.243682325	4.19674E-06	0.000659178	0.000765697	0.001758147	0.000539757
2106 Jun	0.001303646	0.116542757	1.01924E-05	3.852551222	6.117645264	0.062732369	0.001334996	20.30903244	0.003357467	0.010309183	0.000486699	0.00061351	0.000248749	0.222824872	4.18009E-06	0.000646981	0.000757169	0.002017827	0.000535637
2106 Jul	0.001132848	0.107041426	1.0672E-05	2.898637533	4.47333765	0.043774679	0.00095475	14.56353474	0.00259956	0.010282381	0.000337693	0.000468358	0.000180962	0.165394023	3.58302E-06	0.000455202	0.000594063	0.001990163	0.00036086
2106 Aug	0.001160808	0.100774236	1.02959E-05	2.896658182	4.462492943	0.040751714	0.001039477	14.62376785	0.002527276	0.009792401	0.000304522	0.000389537	0.000179745	0.166925371	3.48818E-06	0.000450474	0.000432211	0.001593969	0.000354563
2106 Sep	0.001359656	0.107047781	1.01478E-05	3.802626371	5.956363678	0.053524539	0.001469565	19.94748497	0.003227469	0.010533212	0.000391451	0.000513587	0.000238799	0.219581455	4.12369E-06	0.000640751	0.000549283	0.001612746	0.000518814
2106 Oct	0.001418352	0.111147784	1.01548E-05	3.971661329	6.258945465	0.055974878	0.001549399	20.97079086	0.003361896	0.01096666	0.000411882	0.000541709	0.000248576	0.229585394	4.25252E-06	0.000678846	0.000587937	0.001636352	0.000550294
2106 Nov	0.001421962	0.111488052	1.01895E-05	3.975587845	6.265476227	0.056005053	0.001551556	20.986063	0.003365339	0.011008977	0.000411923	0.000541765	0.000248701	0.229847103	4.25944E-06	0.000679169	0.000588689	0.001640126	0.000550293
2106 Dec	0.001421618	0.111498803	1.01937E-05	3.970855474	6.258107662	0.055923603	0.001550034	20.95726967	0.003361432	0.011015145	0.000411207	0.000540811	0.000248334	0.22959435	4.25619E-06	0.000678117	0.000588057	0.001639644	0.000549277
2107 Jan	0.001421637	0.111624442	1.01943E-05	3.968681097	6.256070614	0.055964157	0.00154881	20.94205666	0.003359516	0.011017934	0.000411199	0.000540302	0.000248136	0.229532614	4.25371E-06	0.000677436	0.000588532	0.001639328	0.000548632
2107 Feb	0.00142247	0.111840814	1.01979E-05	3.969722509	6.259552479	0.056082107	0.001548557	20.94423294	0.003360249	0.011023916	0.000411706	0.000540297	0.00024815	0.229669884	4.2538E-06	0.000677306	0.000589736	0.00163987	0.000548474
2107 Mar	0.001424447	0.11207857	1.02108E-05	3.974537373	6.268149853	0.056206487	0.001550075	20.96782303	0.003364243	0.011038975	0.000412423	0.000540872	0.000248423	0.229990497	4.25839E-06	0.00067796	0.000591024	0.001641919	0.000548974
2107 Apr	0.001428783	0.112466738	1.02412E-05	3.986237049	6.287174225	0.056404091	0.001554433	21.02851105	0.0033741	0.011072433	0.000413761	0.000542419	0.000249138	0.230691507	4.2706E-06	0.00067986	0.000593091	0.001646787	0.000550496
2107 May	0.001466485	0.132266611	1.02584E-05	4.098714352	6.647882938	0.070177361	0.001493861	21.32408905	0.003464683	0.011144909	0.000542851	0.000566706	0.000259675	0.244283676	4.2519E-06	0.000672767	0.000747359	0.001744785	0.000544818
2107 Jun	0.00130754	0.133287609	1.02774E-05	3.680999756	5.969127178	0.069829278	0.001204388	18.58870125	0.003175305	0.010568556	0.000555635	0.000568131	0.000235697	0.22008957	3.95551E-06	0.0005815	0.00083702	0.002011191	0.000468937
2107 Jul	0.001181655	0.118417278	1.04109E-05	2.938580036	4.654129028	0.050426204	0.00094806	14.51708889	0.002583572	0.01023689	0.000403309	0.000439055	0.000183385	0.17304118	3.49812E-06	0.000445859	0.000610193	0.00182997	0.000349148
2107 Aug	0.001174025	0.114687167	1.07342E-05	2.738838911	4.285694122	0.043923404	0.000902115	13.37159252	0.002414114	0.01032812	0.000347153	0.000380795	0.000168287	0.160763144	3.40022E-06	0.000402951	0.000505543	0.001726474	0.000308925
2107 Sep	0.001158484	0.10891398	1.0564E-05	2.508740664	3.930285931	0.037048962	0.000906359	12.10911369	0.002193701	0.010665491	0.000274311	0.000312256	0.000147822	0.148612842	3.18174E-06	0.000360076	0.000435699	0.001570253	0.000263397
2107 Oct	0.001276781	0.108711705	1.02535E-05	3.125436783	4.920231819	0.043998759	0.001208975	15.85521507	0.002670499	0.010926411	0.00031963	0.000400834	0.000188557	0.18292436	3.6114E-06	0.000498229	0.000491726	0.001550858	0.000384884
2107 Nov	0.001331231	0.109471172	1.0182E-05	3.420019627	5.390211582	0.047815647	0.001338959	17.62339401	0.002904455	0.011016995	0.000347601	0.000446852	0.000208671	0.199242905	3.82857E-06	0.000562354	0.00052347	0.001565525	0.000442169
2107 Dec	0.001330712	0.109468602	1.01858E-05	3.414186001	5.381141663	0.047714029	0.001337121	17.58851624	0.002899629	0.011023234	0.000346703	0.000445683	0.000208222	0.198930338	3.82438E-06	0.00056108	0.000522654	0.001564727	0.00044095
2108 Jan	0.001330958	0.109653428	1.01872E-05	3.412247896	5.380029202	0.047786936	0.001335831	17.57374573	0.002897867	0.011027683	0.000346818	0.000445152	0.000208023	0.198905259	3.82184E-06	0.000560352	0.000523455	0.00156449	0.00044025
2108 Feb	0.001331666	0.109916896	1.01884E-05	3.412657976	5.38325882	0.047937918	0.001335062	17.57158661	0.002897998	0.011031951	0.000347426	0.000445017	0.00020798	0.199035913	3.8207E-06	0.000560007	0.000524976	0.001564695	0.000439907
2108 Mar	0.001333857	0.110209249	1.02029E-05	3.417506695	5.392313004	0.048085053	0.001336453	17.59423065	0.002901998	0.011049227	0.000348227	0.000445547	0.000208239	0.199376807	3.82526E-06	0.000560579	0.000526514	0.001566927	0.000440317
2108 Apr	0.001350378	0.112069309	1.03193E-05	3.456444263	5.459988117	0.04898363	0.001349435	17.78438187	0.002934538	0.011182222	0.000353562	0.000450167	0.000210449	0.201906219	3.86498E-06	0.000565972	0.000536032	0.001584821	0.000444378

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.00139055	0.124730662	1.05352E-05	3.492880106	5.624465466	0.055801846	0.00131898	17.75958061	0.002960684	0.011506467	0.000397864	0.000449456	0.000211302	0.208533108	3.85263E-06	0.000553025	0.000610744	0.001630642	0.000430679
2108 Jun	0.001247558	0.111265071	1.01686E-05	3.659108639	5.739971638	0.057683218	0.001268569	18.96455193	0.003185759	0.010164298	0.000444014	0.000587318	0.000234368	0.209766775	4.0613E-06	0.00061314	0.000718372	0.002013588	0.000502229
2108 Jul	0.001194076	0.109724857	1.08082E-05	3.300382137	5.102411747	0.050150983	0.001113415	16.75465012	0.002924295	0.010521531	0.000383197	0.000544276	0.000208523	0.187518999	3.90783E-06	0.000537425	0.000679043	0.002123236	0.000432478
2108 Aug	0.001191363	0.110319227	1.12964E-05	3.080513239	4.733966827	0.045693342	0.00104502	15.35048199	0.002739136	0.010796929	0.000342907	0.000482162	0.000191813	0.175846666	3.78743E-06	0.000481026	0.000608077	0.002064714	0.000378479
2108 Sep	0.001133393	0.104794607	1.10383E-05	2.635396481	4.048025131	0.03727264	0.000937184	12.80452061	0.002340915	0.010756397	0.000265888	0.000371892	0.000158168	0.152463019	3.38215E-06	0.000388381	0.000496602	0.001831668	0.000290878
2108 Oct	0.00123289	0.104307041	1.01589E-05	2.881276608	4.547314167	0.038865279	0.001149102	14.58051682	0.002473199	0.01099493	0.00027084	0.000359307	0.000170449	0.169117451	3.41139E-06	0.000451693	0.000458748	0.001509862	0.000341981
2108 Nov	0.001258451	0.105182774	1.01292E-05	2.975094795	4.707871914	0.040101368	0.001195527	15.16108704	0.002544712	0.011075356	0.0002801	0.000369685	0.000176528	0.174649999	3.47502E-06	0.00047166	0.000464718	0.001495015	0.000359377
2108 Dec	0.001258323	0.105207935	1.01347E-05	2.970928907	4.70138216	0.040026929	0.001194263	15.13523674	0.002541255	0.011083117	0.000279429	0.000368783	0.000176194	0.17443119	3.47233E-06	0.000470705	0.000464132	0.001494635	0.000358438
2109 Jan	0.001258604	0.105392687	1.01356E-05	2.969508886	4.701052189	0.040109396	0.001193125	15.12342167	0.002539904	0.011086775	0.000279633	0.000368352	0.000176035	0.174433991	3.47012E-06	0.000470091	0.000464996	0.001494416	0.000357847
2109 Feb	0.001259542	0.105672695	1.01383E-05	2.970677853	4.705450058	0.040271051	0.00119264	15.12530327	0.00254067	0.011092534	0.000280328	0.000368329	0.000176042	0.174607381	3.46975E-06	0.000469885	0.000466618	0.001494885	0.00035762
2109 Mar	0.001261822	0.105973735	1.0154E-05	2.975488901	4.714458466	0.040415704	0.001194051	15.14758492	0.002544657	0.011111259	0.000281101	0.000368834	0.000176293	0.174947217	3.47443E-06	0.000470433	0.000468157	0.001497241	0.000358
2109 Apr	0.001271871	0.106925599	1.02323E-05	2.998627424	4.752484322	0.040808123	0.001202825	15.2631979	0.002564319	0.011198413	0.0002836	0.000371612	0.000177631	0.176363766	3.50052E-06	0.000473882	0.000472568	0.00150882	0.000360587
2109 May	0.001398861	0.135876149	1.03031E-05	3.599949837	5.953199387	0.066117242	0.001286473	18.40052605	0.003062971	0.011275179	0.0005128	0.00048314	0.000224626	0.219255581	3.83396E-06	0.000558573	0.00073216	0.001708291	0.000440863
2109 Jun	0.001369076	0.151839271	1.04602E-05	3.681138277	6.195948601	0.079483002	0.001153136	18.52891731	0.003176636	0.010987331	0.00064473	0.000552151	0.000236776	0.227808848	3.86334E-06	0.000550983	0.000932368	0.002017678	0.00044115
2109 Jul	0.001244593	0.12829338	1.04956E-05	3.092555761	5.027581215	0.057308819	0.000990232	15.4893856	0.002711963	0.010485465	0.000463546	0.000454467	0.000194916	0.18551898	3.56777E-06	0.000463235	0.000670974	0.001837872	0.000365547
2109 Aug	0.001229259	0.114427321	1.06581E-05	2.889244318	4.555068493	0.044311557	0.000982833	14.58830357	0.002537438	0.010287728	0.000354796	0.000389801	0.00017934	0.168716595	3.51599E-06	0.000438881	0.000463319	0.001625169	0.000344387
2109 Sep	0.001286057	0.109961718	1.03749E-05	3.215368032	5.090253353	0.046471078	0.00120301	16.63699341	0.002775342	0.010578565	0.000349523	0.000424848	0.000198987	0.187425643	3.70585E-06	0.000513335	0.000490796	0.001582486	0.000406567
2109 Oct	0.001442938	0.113106988	1.01931E-05	4.005713463	6.40344286	0.057005174	0.001568799	21.53030777	0.003412928	0.011086744	0.000422907	0.000553016	0.000252276	0.231941357	4.27843E-06	0.000685735	0.000603866	0.001654535	0.000560099
2109 Nov	0.001439133	0.113103852	1.02315E-05	3.957055569	6.326331615	0.056110628	0.00155409	21.23080635	0.003372116	0.011149819	0.000414889	0.000542986	0.000248452	0.229321629	4.24456E-06	0.000675094	0.000596762	0.001648147	0.000549724
2109 Dec	0.001438874	0.113130257	1.02382E-05	3.951750755	6.31788969	0.05601659	0.001552407	21.19728851	0.003367702	0.011158866	0.000414046	0.000541868	0.000248029	0.229039922	4.24114E-06	0.000673883	0.000596039	0.001647768	0.000548534
2110 Jan	0.001439145	0.113307938	1.02408E-05	3.949790716	6.316438675	0.056078456	0.001551153	21.18178558	0.003365918	0.011164273	0.000414112	0.000541328	0.000247827	0.229006618	4.23885E-06	0.000673159	0.000596742	0.001647669	0.000547825
2110 Feb	0.001440069	0.113570161	1.02445E-05	3.950785875	6.320281982	0.056222159	0.001550708	21.18271255	0.003366563	0.011170834	0.000414715	0.000541277	0.000247824	0.229160801	4.23861E-06	0.000672943	0.000598204	0.001648213	0.000547583
2110 Mar	0.001441863	0.113815166	1.02557E-05	3.954862595	6.328035831	0.056351043	0.001551851	21.20215988	0.003369927	0.011184412	0.000415415	0.000541733	0.000248044	0.229450047	4.24227E-06	0.000673426	0.000599539	0.001649984	0.000547939
2110 Apr	0.001448682	0.11441274	1.03033E-05	3.97308588	6.357898235	0.056651253	0.00155874	21.29847527	0.003385392	0.011237121	0.000417485	0.000544171	0.000249167	0.230537489	4.26141E-06	0.000676409	0.000602712	0.001657627	0.000550345
2110 May	0.001474935	0.126005307	1.04073E-05	4.027425766	6.5479846	0.064106598	0.001523329	21.42004776	0.003431907	0.011365408	0.000486918	0.000554798	0.000254263	0.237755001	4.25495E-06	0.00066923	0.000686871	0.001719558	0.000543969
2110 Jun	0.001307188	0.115719356	1.02582E-05	3.848248959	6.144405842	0.061904073	0.001345352	20.42581749	0.003361374	0.010311529	0.000481208	0.000616398	0.000249289	0.221719384	4.19666E-06	0.000647675	0.000750159	0.00202917	0.00053724
2110 Jul	0.001177809	0.108380243	1.05587E-05	3.110421896	4.869190216	0.047277432	0.001051757	15.98841667	0.002770364	0.010242017	0.000367004	0.000498696	0.000196727	0.177617192	3.72185E-06	0.000499496	0.000613545	0.001971812	0.000402355
2110 Aug	0.001267907	0.100623615	1.02804E-05	3.481287956	5.411634445	0.048248742	0.001325425	18.08327675	0.002976473	0.009844812	0.000351511	0.000459318	0.000220347	0.20004113	3.90809E-06	0.000568574	0.000465511	0.001569608	0.000458847
2110 Sep	0.001399606	0.108235024	1.02014E-05	3.961819172	6.22244978	0.05494846	0.00154977	20.85038757	0.003348809	0.010688053	0.000404247	0.000538911	0.000249322	0.227651969	4.26591E-06	0.000676643	0.000562308	0.001628775	0.000548584
2110 Oct	0.00145206	0.111270659	1.01745E-05	4.145363808	6.511343479	0.057064995	0.001636508	21.80130959	0.003482978	0.011056804	0.000421865	0.0005686	0.000259613	0.237813979	4.41105E-06	0.000719569	0.000595524	0.001647974	0.000582457
2110 Nov	0.001454419	0.111145996	1.01652E-05	4.170474529	6.542561531	0.057311945	0.001646436	21.91295433	0.003500537	0.011043891	0.000423855	0.000572644	0.00026127	0.239048213	4.43157E-06	0.000725303	0.000596918	0.001649485	0.000587211
2110 Dec	0.001453843	0.111156695	1.01706E-05	4.163664818	6.531973362	0.057199143	0.001644169	21.87202644	0.003494958	0.011051617	0.000422864	0.000571296	0.000260749	0.238686323	4.42676E-06	0.000723789	0.000596038	0.001648769	0.000585768
2111 Jan	0.001454265	0.111383744	1.01719E-05	4.162612438	6.532598972	0.057310294	0.001642979	21.86179733	0.003493917	0.011055828	0.000423216	0.000570919	0.000260608	0.238725111	4.42467E-06	0.000723183	0.000597199	0.001648749	0.000585187
2111 Feb	0.001455035	0.111691028	1.01728E-05	4.163076878	6.536379814	0.057490695	0.001642012	21.85929298	0.003494067	0.011059978	0.000423959	0.000570777	0.00026056	0.238878071	4.42324E-06	0.000722778	0.000599009	0.001648973	0.000584793
2111 Mar	0.001458504	0.112095393	1.01949E-05	4.171870232	6.551869392	0.057707079	0.001644863	21.90259933	0.003501322	0.011085809	0.000425228	0.000571856	0.000261066	0.239453003	4.4316E-06	0.000724026	0.000601235	0.001652545	0.000585759
2111 Apr	0.001471138	0.113146432	1.02821E-05	4.207290649	6.608466625	0.058251359	0.001658479	22.08685303	0.00353098	0.011181685	0.000429048	0.000576634	0.000263255	0.241526857	4.4687E-06	0.000730009	0.000606894	0.001666653	0.000590572
2111 May	0.001504229	0.131162956	1.03896E-05	4.278081894	6.874693394	0.069981202	0.001593781	22.12033081	0.003586347	0.011320917	0.000539015	0.000590964	0.000270191	0.25207004	4.43977E-06	0.000715846	0.000739268	0.001757412	0.000577412
2111 Jun	0.001324882	0.122708879	1.02625E-05	3.956082344	6.221456528	0.066268064	0.001366128	19.92755127	0.003367368	0.010422044	0.000520016	0.000613003	0.00025277	0.229259968	4.25568E-06	0.000659639	0.000783957	0.002010381	0.000533294
2111 Jul	0.001238385	0.118899621	1.08386E-05	3.423828602	5.313977718	0.055716868	0.001145077	16.8366127	0.002972432	0.010678246	0.000434808	0.000542605	0.000215184	0.197157413	3.96448E-06	0.000549803	0.000715236	0.002086471	0.000434701
2111 Aug	0.001212644	0.101542816	1.02635E-05	3.252426624	4.958939552	0.04527368	0.001201686	16.15008736	0.002763714	0.009815039	0.000336581	0.000433489	0.000202436	0.186021492	3.76003E-06	0.000524112	0.000460679	0.001597202	0.000412048
2111 Sep	0.001314929	0.102640733	1.02453E-05	3.7091856	5.682366371	0.050176352	0.001443185	18.74291229	0.003103052	0.010251236	0.000362666	0.000486191	0.000231045	0.212045386	4.09098E-06	0.000620711	0.00049707	0.001580142	0.000492559
2111 Oct	0.001458272	0.110597134	1.01374E-05	4.318670273	6.689772129	0.059151631	0.001695969	22.30942154	0.003587938	0.010873583	0.000439273	0.000593517	0.000270783	0.246165931	4.55637E-06	0.000756521	0.000603916	0.001660569	0.000610338
2111 Nov	0.001459222	0.110829487	1.0137E-05	4.274159431	6.625781536	0.058185704	0.001687497	22.05225945	0.003548791	0.010992165	0.000430895	0.000584341	0.000266826	0.243810594	4.52174E-06	0.000748254	0.000599315	0.001649029	0.000601538
2111 Dec	0.00145695	0.110787652	1.01437E-05	4.254718304	6.595960617	0.057872992	0.001680872	21.94012833	0.003533007	0.011004549	0.000428197	0.000580691	0.000265384	0.242770031	4.50702E-06	0.000744065	0.000596814	0.001646278	0.000597649
2112 Jan	0.001457393	0.111051142	1.0145E-05	4.253180981	6.59633255	0.057999793	0.001679361	21.92708015	0.003531585	0.011009282	0.000428583	0.000580209	0.000265201	0.242799923	4.50428E-06	0.000743294	0.00059815	0.001646201	0.000596922
2112 Feb	0.001458738	0.111445308	1.01486E-05	4.255233288	6.603194237	0.058235418	0.001678786	21.93245888	0.003533029	0.011016824	0.000429634	0.000580272	0.000265244	0.243066028	4.50404E-06	0.000743092	0.000600508	0.001646959	0.000596695
2112 Mar	0.001462802	0.111919016	1.01744E-05	4.265624046	6.621339321	0.058489162	0.001682165	21.9828186	0.003541533	0.011047093	0.00043112	0.000581537	0.000265839	0.243743122	4.51394E-06	0.000744574	0.000603111	0.001651131	0.000597831
2112 Apr	0.001473788	0.112851776	1.02496E-05	4.296796322	6.670864582	0.058979146	0.001694056	22.14163589	0.003567346	0.011129926	0.000434513	0.000585698	0.000267751	0.245571569	4.54632E-06	0.000749825	0.000608158	0.001663298	0.000602016
2112 May	0.001503535	0.135476187	1.03221E-05	4.325041294	6.931074142	0.073396213	0.001586299	21.90465736	0.003591672	0.011247187	0.000571141	0.000594935	0.000272736	0.255859792	4.44895E-06	0.00071886	0.000773109	0.001765774	0.000574844
2112 Jun	0.001363245	0.112917878	1.00881E-05	4.379878521	6.680284023	0.065322667	0.001583836	21.94462776	0.003655774	0.010202376	0.000504994	0.000673745	0.000279312	0.247159183	4.64124E-06	0.000768568	0.000742325	0.001978724	0.000623181
2112 Jul	0.001273539	0.108821355	1.04845E-05	3.77777791	5.667289257	0.053717822	0.001340219	18.4435215	0.00318694	0.010291662	0.000415186	0.000577197	0.000236705	0.211684316	4.26671E-06	0.000644633	0.000633552	0.001947028	0.000511918
2112 Aug	0.001206748	0.104669005	1.07368E-05	3.282557249	4.896598816	0.045318116	0.001175886	15.70290375	0.00278712	0.010249338	0.000339474	0.00046724	0.000202185	0.18529509	3.88924E-06	0.000531433	0.000520404	0.001810596	0.000410914
2112 Sep	0.001162695	0.098989889	1.04499E-05	2.938987494	4.395960808	0.038763586	0.001112438	13.89730835	0.002480256	0.010186685	0.000274053	0.000374179	0.000176388	0.168060377	3.54683E-06	0.000458725	0.000426935	0.001591813	0.000343449
2112 Oct	0.001256968	0.102950163	1.02331E-05	3.28377986	4.976762772	0.04322822	0.001288772	15.87714672	0.002729891	0.010631288	0.000307882	0.000417291	0.000197032	0.188216001	3.77378E-06	0.000536342	0.000468835	0.001551786	0.000407409
2112 Nov	0.001279224	0.104008988	1.023E-05	3.372420073	5.12037611	0.044435393	0.001329122	16.37307358	0.002797041	0.010729356	0.000317298	0.000429683	0.000202629	0.193271041	3.84043E-06	0.000555344	0.000479921	0.001554151	0.000423367
2112 Dec	0.001279363	0.104057238	1.02368E-05	3.36874485	5.11508131	0.044372246	0.001328048	16.35201645	0.002794164	0.010739258	0.000316714	0.000428876	0.000202332	0.193086743	3.83819E-06	0.000554468	0.000479497	0.001554053	0.000422519
2113 Jan	0.001279548	0.104214258	1.02372E-05	3.366905928	5.114113331	0.044435505	0.001326863	16.33989716	0.002792599	0.010742649	0.000316829	0.000428415	0.000202155	0.193058953	3.83572E-06	0.000553815	0.000480202	0.001553752	0.000421916
2113 Feb	0.001280427	0.104461186	1.02402E-05	3.367927551	5.118005753	0.044574238	0.001326471	16.34200668	0.002793314	0.010748511	0.000317424	0.000428393	0.000202162	0.193210542	3.83548E-06	0.000553634	0.000481611	0.00155423	0.00042178
2113 Mar	0.001285674	0.104985066	1.02799E-05	3.381023407	5.139185905	0.044816028	0.001331194	16.40399551	0.002804103	0.010791728	0.000318932	0.000429976	0.000202918	0.194012657	3.84963E-06	0.000555595	0.000484175	0.001560277	0.00042318
2113 Apr	0.001295184	0.105816476	1.03547E-05	3.405625343	5.177314281	0.04518139	0.001340632	16.52246475	0.002824666	0.01087107	0.000321409	0.000433057	0.000204377	0.195453525	3.8772E-06	0.000559528	0.000488094	0.001571632	0.000426157
2113 May	0.001380564	0.134886771	1.03624E-05	3.687873363	5.904940605	0.066311866	0.001313161	17.77203941	0.003054934	0.011083917	0.000516527	0.000485364	0.000227661	0.221812829	3.93978E-06	0.000576114	0.000719501	0.001709542	0.000442333
2113 Jun	0.001371147	0.121949725	1.0243E-05	4.261228561	6.625313759	0.068791673	0.001503536	21.34819984	0.003577133	0.01041677	0.000539325	0.000654547	0.00027235	0.244420692	4.51287E-06	0.000727747	0.000790531	0.002010633	0.000588053
2113 Jul	0.00122886	0.114076994	1.05473E-05	3.321204662	5.098694324	0.051108945	0.00113267	16.20293427	0.002850258	0.010304454	0.000403896	0.000499339	0.000207264	0.189835221	3.87484E-06	0.000536888	0.000607664	0.00188261	0.000421125
2113 Aug	0.001152991	0.108039699	1.06991E-05	2.751856327	4.184102058	0.040110726	0.000939368	13.07761383	0.002387156	0.010148262	0.000312681	0.000376109	0.000167429	0.158127397	3.45224E-06	0.000414918	0.000454319	0.001690416	0.000312995
2113 Sep	0.001244449	0.104681216	1.03084E-05	3.20973587	4.914365768	0.043838389	0.001222747	15.75287056	0.002704369	0.010409083	0.000322225	0.00041631	0.000195267	0.184371293	3.72666E-06	0.000517228	0.000467473	0.001574455	0.000397352
2113 Oct	0.001460101	0.110845178	1.00825E-05	4.312158585	6.674366951	0.058740459	0.001704779	22.12882423	0.003563673	0.010924855	0.000436894	0.000589278	0.0002692	0.245481879	4.54926E-06	0.000756755	0.000602319	0.001644771	0.000606497
2113 Nov	0.001439411	0.110201083	1.01184E-05	4.137358665	6.410204411	0.055861838	0.00164715	21.15422249	0.00342294	0.011026179	0.000411868	0.000556593	0.000256306	0.236136079	4.41364E-06	0.000719665	0.000579068	0.001615865	0.000572427
2113 Dec	0.001438524	0.110214345	1.01257E-05	4.127144814	6.394687653	0.055698093	0.001643678	21.09544373	0.003414781	0.011036882	0.000410432	0.000554629	0.00025554	0.235597342	4.40629E-06	0.000717399	0.00057781	0.001614838	0.000570315
2114 Jan	0.0014389	0.110441558	1.01275E-05	4.125486851	6.394484997	0.055799969	0.001642273	21.0824585	0.003413317	0.011041697	0.000410707	0.00055415	0.000255357	0.235604957	4.40376E-06	0.00071666	0.000578906	0.001614787	0.000569622
2114 Feb	0.001439632	0.110749297	1.01287E-05	4.125470161	6.397593498	0.055973202	0.001641135	21.07762909	0.00341312	0.011046308	0.000411389	0.000553924	0.000255276	0.235733151	4.40197E-06	0.000716148	0.000580664	0.001614978	0.000569136
2114 Mar	0.001442833	0.111133844	1.01492E-05	4.13339901	6.411603928	0.056175213	0.001643678	21.11546707	0.003419583	0.011070528	0.000412548	0.000554859	0.000255721	0.236257255	4.4095E-06	0.000717241	0.000582744	0.001618225	0.000569957
2114 Apr	0.001450453	0.111800008	1.02017E-05	4.15451479	6.445341587	0.05651632	0.001651724	21.22180748	0.003436997	0.011128797	0.000414867	0.00055762	0.000257001	0.237504944	4.4315E-06	0.000720742	0.000586274	0.001626574	0.000572712
2114 May	0.001512267	0.137016177	1.02059E-05	4.423893452	7.099061012	0.076029167	0.001616986	22.35956955	0.003658466	0.011118029	0.000596607	0.000612392	0.000280159	0.26150611	4.50656E-06	0.000738421	0.000796515	0.001771918	0.000590975
2114 Jun	0.001370425	0.146123126	1.03735E-05	3.881639957	6.336019516	0.07813713	0.001261198	18.97308159	0.003275763	0.010810579	0.000631882	0.000579324	0.000247732	0.234667942	4.06824E-06	0.000604827	0.00090665	0.002009379	0.000477867
2114 Jul	0.001281021	0.137902111	1.09161E-05	3.299514771	5.312103748	0.063825935	0.001040642	15.76208878	0.002841177	0.010957462	0.000516571	0.000492838	0.000206558	0.198138356	3.76159E-06	0.000492028	0.000774527	0.002009235	0.00037831
2114 Aug	0.001274583	0.136177048	1.1447E-05	3.075431824	4.913096905	0.057645373	0.000972872	14.46204376	0.002666478	0.011243025	0.000462358	0.000438061	0.000189732	0.184818178	3.66816E-06	0.000440506	0.00069172	0.001972404	0.000330466
2114 Sep	0.001173844	0.109230459	1.04834E-05	2.63832736	4.12661314	0.03939651	0.000991919	12.47686291	0.002254011	0.010723474	0.000284456	0.000316245	0.000154868	0.156703338	3.24484E-06	0.000382288	0.000456526	0.001546538	0.000275157
2114 Oct	0.001332444	0.107851639	1.0122E-05	3.487219572	5.444343567	0.047430381	0.001391921	17.6017437	0.002915537	0.010948736	0.000343667	0.000448424	0.000211702	0.201536655	3.88937E-06	0.000578981	0.000511708	0.001538546	0.000448778
2114 Nov	0.00145712	0.110652864	1.00882E-05	4.219940186	6.603190899	0.057569385	0.00167876	22.00278473	0.003515045	0.010960358	0.000427517	0.000576033	0.000264104	0.240997761	4.4692E-06	0.000737142	0.000593097	0.001630132	0.000593058
2114 Dec	0.001458784	0.110726811	1.00949E-05	4.225030899	6.612312794	0.057627272	0.001681122	22.03866196	0.003519668	0.010969796	0.00042794	0.000576819	0.000264456	0.241285846	4.47394E-06	0.000738162	0.000593631	0.001631265	0.000593997
2115 Jan	0.001459232	0.111006327	1.00973E-05	4.22282362	6.611733437	0.057748899	0.001679341	22.02133942	0.003517708	0.010976038	0.000428246	0.000576191	0.000264216	0.241285756	4.47072E-06	0.000737216	0.00059495	0.001631186	0.000593104
2115 Feb	0.001460673	0.11141181	1.01005E-05	4.225520611	6.619722843	0.058001373	0.001678945	22.03046417	0.003519678	0.010983185	0.000429412	0.00057637	0.000264306	0.241591156	4.47089E-06	0.000737138	0.000597455	0.001632023	0.000592993
2115 Mar	0.001462574	0.111725919	1.01111E-05	4.229595184	6.628173351	0.058173314	0.001679805	22.04833031	0.003522937	0.010996942	0.000430281	0.000576773	0.000264506	0.241910517	4.47402E-06	0.000737507	0.00059921	0.001633731	0.000593238

Appendix D.2-13: A1

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.001473128	0.112629965	1.01828E-05	4.259218693	6.67578125	0.058647007	0.00169114	22.20072556	0.003547535	0.011076177	0.000433551	0.000580719	0.000266326	0.243654773	4.50471E-06	0.000742471	0.000604084	0.001645281	0.000597198
2115 May	0.001517795	0.148618996	1.01899E-05	4.33164072	7.15213871	0.082700714	0.001522562	22.08086777	0.003615069	0.011130742	0.000661794	0.000603886	0.000277235	0.261815637	4.35326E-06	0.000699343	0.000876588	0.001808421	0.000561872
2115 Jun	0.001511041	0.170445323	1.06012E-05	4.177093506	7.094280243	0.093843997	0.001325768	20.769207	0.0035188	0.01141687	0.000771308	0.000600548	0.000269713	0.260811478	4.1786E-06	0.000629538	0.001041492	0.002011613	0.000500613
2115 Jul	0.001384755	0.155301332	1.09096E-05	3.440162182	5.768000603	0.074016072	0.001066148	16.74913788	0.002946743	0.011234261	0.000612474	0.000480388	0.000217602	0.213623211	3.7553E-06	0.000495059	0.000826439	0.001892585	0.000382656
2115 Aug	0.001226522	0.109204769	1.025E-05	3.146021366	4.940869331	0.048271619	0.001142179	15.746171	0.002686242	0.00986662	0.000369215	0.000407166	0.000196738	0.183800548	3.62091E-06	0.000488596	0.000481436	0.001553448	0.000382187
2115 Sep	0.001281093	0.102001317	1.02728E-05	3.490219355	5.421409607	0.048070863	0.001356065	17.85782051	0.002950894	0.010046689	0.000348708	0.000449887	0.000218601	0.200663462	3.90997E-06	0.000569954	0.000467655	0.001544857	0.000451941
2115 Oct	0.001379746	0.107033767	1.02218E-05	3.859413147	6.053697109	0.052992322	0.001523271	20.13419151	0.003249109	0.010580691	0.000389595	0.000514397	0.000242108	0.221421227	4.19353E-06	0.000653884	0.000533271	0.001591425	0.000524451
2115 Nov	0.001465867	0.110900775	1.01632E-05	4.235298157	6.691479683	0.05832047	0.001682302	22.49449539	0.003559375	0.010896132	0.000434514	0.000582095	0.00026759	0.24232024	4.48191E-06	0.000737786	0.00059407	0.001641893	0.000599472
2115 Dec	0.001466109	0.110976093	1.0169E-05	4.226629257	6.679816246	0.058160335	0.001680175	22.44989967	0.003552548	0.010918658	0.00043309	0.000580395	0.000266875	0.241881132	4.47555E-06	0.000735994	0.000593351	0.001640757	0.000597731
2116 Jan	0.001466775	0.111291669	1.01713E-05	4.225324631	6.680893421	0.058312047	0.001678624	22.43686295	0.003551261	0.01092553	0.000433573	0.000579905	0.000266688	0.241942182	4.47285E-06	0.000735197	0.000594973	0.001640822	0.000596963
2116 Feb	0.001468332	0.111758105	1.0177E-05	4.226811409	6.687403202	0.05856913	0.00167767	22.43725395	0.003552199	0.010936496	0.000434646	0.000579783	0.000266665	0.242204204	4.47206E-06	0.000734753	0.0005976	0.001641706	0.000596489
2116 Mar	0.001470346	0.11210122	1.01884E-05	4.230892658	6.69611454	0.058753666	0.001678459	22.45474052	0.003555462	0.010951376	0.00043556	0.000580159	0.000266858	0.242534518	4.47515E-06	0.000735075	0.000599489	0.001643495	0.000596685
2116 Apr	0.001480245	0.112962134	1.02556E-05	4.258414745	6.740934849	0.059207518	0.001688912	22.59846878	0.003578497	0.011025033	0.000438669	0.00058383	0.000268557	0.24416621	4.50356E-06	0.000739639	0.000604124	0.0016543	0.000600353
2116 May	0.001514092	0.139348984	1.02986E-05	4.275341034	7.038105488	0.075938508	0.001557903	22.33678246	0.003600559	0.011164165	0.000597785	0.00059378	0.000273553	0.255500436	4.36993E-06	0.000700945	0.000798244	0.001769997	0.000567627
2116 Jun	0.001413988	0.116241373	1.01929E-05	4.431311131	7.028507233	0.068023734	0.001615028	23.66244698	0.003797509	0.010297	0.00053161	0.000696271	0.000289115	0.252211034	4.66171E-06	0.000775369	0.000769614	0.002010083	0.000645379
2116 Jul	0.001265504	0.111812703	1.08788E-05	3.640395403	5.671234131	0.054415565	0.001271442	18.79210281	0.003193791	0.010595777	0.000420201	0.000595363	0.000232748	0.2056081	4.18819E-06	0.000609375	0.000704707	0.002143756	0.000494286
2116 Aug	0.001222557	0.10916695	1.11952E-05	3.266501188	5.050550461	0.047514841	0.001150277	16.50345802	0.002876282	0.010660022	0.00035726	0.00050295	0.000205426	0.185575858	3.92015E-06	0.000521645	0.000603957	0.002025946	0.000412908
2116 Sep	0.001261363	0.104647458	1.04488E-05	3.233252048	5.062152863	0.044186089	0.001255706	16.53240967	0.002776458	0.010676591	0.000318902	0.000434078	0.000198647	0.186306611	3.75002E-06	0.000522184	0.000501677	0.001652258	0.00040721
2116 Oct	0.001459384	0.111352637	1.01774E-05	4.107563972	6.521678448	0.056316216	0.001646412	21.88436127	0.003463839	0.011073531	0.000417667	0.000559401	0.000257991	0.235840052	4.37769E-06	0.000711737	0.00058424	0.001621829	0.000575287
2116 Nov	0.001460025	0.111527309	1.0208E-05	4.085141659	6.489251137	0.05588565	0.001640692	21.76051521	0.003445927	0.011127984	0.000413694	0.000554272	0.000256167	0.234702602	4.36282E-06	0.000706656	0.000580774	0.0016184	0.000570354
2116 Dec	0.001458895	0.111497335	1.02095E-05	4.076941013	6.476304054	0.055755109	0.001637795	21.71160316	0.003439154	0.011131517	0.00041257	0.000552749	0.000255558	0.234260559	4.3565E-06	0.000704904	0.000579719	0.001617167	0.000568725
2117 Jan	0.001459183	0.111687042	1.021E-05	4.075931072	6.476648331	0.055850342	0.001636701	21.70221519	0.003438166	0.011134407	0.000412871	0.000552421	0.000255432	0.234287947	4.35453E-06	0.00070437	0.000580713	0.001617089	0.00056822
2117 Feb	0.001459868	0.111952715	1.02106E-05	4.07659626	6.480304241	0.05601104	0.001635941	21.70151329	0.003438508	0.011137707	0.000413552	0.000552351	0.00025541	0.234434426	4.35348E-06	0.000704077	0.000582318	0.001617319	0.000567934
2117 Mar	0.001462197	0.112251051	1.02251E-05	4.082148075	6.490552425	0.05616926	0.001637627	21.72844315	0.003443078	0.011155085	0.000414436	0.000552994	0.000255718	0.234814465	4.35857E-06	0.000704795	0.000583943	0.001619614	0.000568474
2117 Apr	0.001474884	0.113294154	1.03128E-05	4.116986275	6.546762943	0.056695603	0.001651295	21.91233635	0.003472398	0.011251725	0.000418155	0.000557648	0.000257877	0.23685357	4.39531E-06	0.000710669	0.000589406	0.001633503	0.000573188
2117 May	0.001507597	0.143857479	1.03456E-05	4.143389702	6.880348206	0.076476142	0.001495085	21.50541878	0.003494576	0.011335515	0.000605534	0.000569381	0.000264005	0.250304878	4.24334E-06	0.000666233	0.00081543	0.001767507	0.000534681
2117 Jun	0.001433836	0.142044991	1.04596E-05	4.156508446	6.840389252	0.078581601	0.001410696	21.52474022	0.003560096	0.010849829	0.000632578	0.00063237	0.000269922	0.248055533	4.31862E-06	0.000672537	0.000895896	0.002030966	0.000548015
2117 Jul	0.001314913	0.13402991	1.08726E-05	3.396388769	5.52802372	0.062440835	0.001112645	17.11237335	0.002961572	0.01086269	0.000505911	0.00050743	0.000215808	0.202355161	3.84888E-06	0.000520721	0.000733378	0.001955272	0.00041074
2117 Aug	0.001188087	0.120623708	1.09008E-05	2.720748425	4.355418205	0.047128391	0.000895687	13.22595406	0.002398394	0.01047647	0.000373224	0.000369053	0.000167795	0.162521824	3.35775E-06	0.000384651	0.000541219	0.001743926	0.000289817
2117 Sep	0.001176199	0.113325953	1.07443E-05	2.60341382	4.140375614	0.041230965	0.000927644	12.64094639	0.00227803	0.010606105	0.000311009	0.00032662	0.000156567	0.155272111	3.24973E-06	0.000368186	0.000471391	0.001617189	0.00027082
2117 Oct	0.001270363	0.108386382	1.02833E-05	3.018865108	4.807199955	0.042179801	0.001196912	15.37794113	0.002584303	0.010955373	0.000304994	0.000376068	0.000181471	0.177208543	3.52531E-06	0.000474543	0.000470673	0.001512213	0.000361401
2117 Nov	0.001291829	0.107832864	1.02156E-05	3.120889902	4.971749306	0.042873841	0.001253321	16.03557587	0.002663332	0.01101434	0.000308583	0.000390326	0.000188056	0.182664096	3.59803E-06	0.000499002	0.000475092	0.001501529	0.000382793
2117 Dec	0.001292048	0.107815415	1.02174E-05	3.118491888	4.968115807	0.042796466	0.001253325	16.02251625	0.002661175	0.011023127	0.000307803	0.000389642	0.000187826	0.182537049	3.59632E-06	0.000498546	0.000474458	0.001500459	0.000382292
2118 Jan	0.001293279	0.108110473	1.0219E-05	3.121376991	4.975447655	0.042990692	0.001253502	16.03484154	0.002663311	0.01102864	0.000308707	0.000389902	0.00018795	0.182810739	3.59705E-06	0.000498701	0.000476361	0.00150098	0.000382396
2118 Feb	0.001294395	0.108496748	1.02209E-05	3.122507095	4.98091507	0.04321802	0.001252559	16.0346489	0.002663939	0.011035	0.000309656	0.000389802	0.000187925	0.183029786	3.59583E-06	0.000498312	0.000478645	0.001501398	0.000382002
2118 Mar	0.001295777	0.108772933	1.02282E-05	3.124938011	4.986792088	0.043366995	0.001252776	16.04378891	0.002665831	0.011045186	0.000310351	0.00038997	0.00018802	0.18325597	3.59729E-06	0.000498386	0.000480171	0.001502526	0.000382002
2118 Apr	0.00133394	0.121114947	1.02725E-05	3.184354782	5.199009895	0.051017325	0.001230991	16.18125725	0.002704985	0.011226701	0.000343897	0.000391209	0.000188987	0.191515118	3.57463E-06	0.000491134	0.000556152	0.001517619	0.000374262
2118 May	0.001515248	0.157841608	1.02844E-05	4.060966492	6.911714077	0.084473431	0.001394883	20.8623867	0.0034257	0.01132738	0.00063749	0.000549921	0.000255654	0.252100766	4.07612E-06	0.000624572	0.000896028	0.001765543	0.000498419
2118 Jun	0.0014174	0.125362918	1.04545E-05	4.322378635	6.896968842	0.070866741	0.001536763	22.65036011	0.003703049	0.01060871	0.000558649	0.000674169	0.000280553	0.249363944	4.56251E-06	0.000736792	0.000814589	0.002055593	0.000605922
2118 Jul	0.001343495	0.124412097	1.10888E-05	3.794962406	6.002599239	0.061466381	0.001308519	19.44689369	0.003302183	0.010962559	0.000484163	0.000597748	0.000242674	0.218555927	4.26828E-06	0.000623193	0.000751433	0.002120737	0.000502593
2118 Aug	0.001167833	0.103926964	1.0567E-05	2.937075377	4.552425385	0.042880621	0.001065498	14.59119511	0.002550723	0.009967204	0.000317912	0.000393837	0.000182356	0.169920981	3.53112E-06	0.000448901	0.000469859	0.001665693	0.000346861
2118 Sep	0.001458458	0.112572387	1.02205E-05	4.198892117	6.631769657	0.058868393	0.001659879	22.17055321	0.003531171	0.010875785	0.000440091	0.000574324	0.000265201	0.241003305	4.44631E-06	0.000726349	0.000599688	0.001646866	0.000587427
2118 Oct	0.001527385	0.11552237	1.02274E-05	4.518642902	7.145840168	0.063269816	0.001793344	24.03530693	0.00378686	0.011088602	0.000476501	0.00062717	0.000286722	0.258632272	4.69734E-06	0.000795788	0.000641741	0.00168286	0.000648103
2118 Nov	0.001524397	0.115385264	1.02479E-05	4.489281654	7.09526062	0.062651262	0.001784555	23.84148598	0.003761263	0.0111228	0.000470956	0.000621027	0.000284345	0.256986141	4.67732E-06	0.000789614	0.0006365	0.001678272	0.000641915
2118 Dec	0.0015226	0.115345165	1.02526E-05	4.475001812	7.072862148	0.062420413	0.001779549	23.75713348	0.003749567	0.011131209	0.000468957	0.000618365	0.000283282	0.256217599	4.66658E-06	0.00078654	0.00063466	0.001676369	0.00063906
2119 Jan	0.001522554	0.115557417	1.02544E-05	4.470738888	7.068435669	0.06248099	0.001777191	23.72811699	0.003745904	0.011136505	0.000468871	0.000617412	0.000282905	0.256083071	4.662E-06	0.000785252	0.000635419	0.0016759	0.000637855
2119 Feb	0.00152357	0.11588946	1.02578E-05	4.471506596	7.072697639	0.062665284	0.001776352	23.7267437	0.003746322	0.011143507	0.000469625	0.000617283	0.000282869	0.256256372	4.66108E-06	0.00078487	0.000637297	0.001676425	0.000637465
2119 Mar	0.001527656	0.116340689	1.02835E-05	4.482204914	7.091292858	0.062910043	0.001779982	23.78045845	0.003755165	0.011173344	0.000471113	0.000618625	0.000283498	0.256940812	4.67132E-06	0.000786459	0.000639793	0.001680597	0.000638709
2119 Apr	0.001598337	0.144959673	1.03549E-05	4.526711941	7.444108009	0.07982555	0.001688127	23.54852295	0.003770062	0.01154729	0.000540695	0.00060611	0.000279161	0.271288335	4.5374E-06	0.000748914	0.000809684	0.001702548	0.000602457
2119 May	0.001643868	0.174811229	1.02113E-05	4.846578121	8.178835869	0.104203939	0.001621807	24.59800529	0.004018354	0.011286058	0.000798221	0.00067883	0.000309854	0.299515188	4.6096E-06	0.000770265	0.001078408	0.001896971	0.000622884
2119 Jun	0.001394984	0.130582616	1.0357E-05	4.224821091	6.709024429	0.072874933	0.001470958	21.33989334	0.003572657	0.010587145	0.000574267	0.000646329	0.000271035	0.246083125	4.43662E-06	0.000706943	0.000836672	0.002025781	0.000570273
2119 Jul	0.001276017	0.12380369	1.09426E-05	3.588997602	5.610830784	0.059900247	0.001207924	17.67113876	0.003102514	0.010804579	0.000467745	0.000568448	0.000226392	0.207266942	4.08289E-06	0.000578826	0.000760162	0.002130408	0.000456503
2119 Aug	0.001155211	0.108236402	1.07769E-05	2.913474321	4.479930401	0.044603653	0.001024795	13.96384716	0.002522589	0.010202461	0.000329991	0.000402634	0.000179012	0.16905874	3.53214E-06	0.000438165	0.000525775	0.001781863	0.000331588
2119 Sep	0.001297544	0.106177486	1.02591E-05	3.488509893	5.403726101	0.048499323	0.00136463	17.47654152	0.002927111	0.010485846	0.000349221	0.000450858	0.000214386	0.201190546	3.89837E-06	0.000572237	0.000504866	0.00157182	0.000444634
2119 Oct	0.001503028	0.115508221	1.02207E-05	4.454862118	6.967087746	0.062516764	0.001761058	23.11132813	0.003697162	0.011025924	0.000464856	0.00060887	0.000279807	0.254875422	4.64319E-06	0.000780408	0.000632189	0.001665287	0.000627408
2119 Nov	0.001529799	0.116688468	1.02351E-05	4.578965664	7.169248581	0.064290382	0.001811718	23.85090828	0.003797952	0.01109764	0.000479386	0.000629374	0.000288318	0.261746377	4.7412E-06	0.000806889	0.000648035	0.001680247	0.000650893
2119 Dec	0.001528631	0.116670452	1.02403E-05	4.568414211	7.152924061	0.064117752	0.001808064	23.78988647	0.003789442	0.011105776	0.0004779	0.000627403	0.000287534	0.261180967	4.73347E-06	0.000804598	0.000646684	0.001679031	0.000648775

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	44	0.030	0.0079	0.00095	8.6	0.020	3.1	9.5E-04	9.5E-04	4.7E-06	6.7E-03	1.0E-03	8.4E-03	1.5E-02	4.7E-06	1.3E+01	1.7E-05	2.2E-04
Operations (2020-2043): Mean	55	0.047	0.011	0.0010	12	0.028	4.3	1.0E-03	1.0E-03	5.2E-06	7.4E-03	1.2E-03	1.0E-02	2.2E-02	5.2E-06	1.8E+01	1.9E-05	2.7E-04
Operations (2020-2043): Max	92	0.070	0.023	0.0012	22	0.032	7.4	1.2E-03	1.2E-03	5.8E-06	8.3E-03	1.9E-03	1.2E-02	4.3E-02	5.8E-06	3.4E+01	2.2E-05	4.6E-04
Active Closure (2044-2050): Min	42	0.028	0.0077	0.0010	8.3	0.025	3.0	9.7E-04	9.7E-04	4.9E-06	7.0E-03	9.8E-04	9.8E-03	1.5E-02	4.9E-06	1.3E+01	1.8E-05	2.1E-04
Active Closure (2044-2050): Mean	48	0.038	0.0089	0.0010	10	0.029	3.6	1.0E-03	1.0E-03	5.2E-06	7.4E-03	1.1E-03	1.1E-02	1.7E-02	5.2E-06	1.5E+01	1.9E-05	2.4E-04
Active Closure (2044-2050): Max	54	0.047	0.011	0.0011	12	0.031	4.2	1.1E-03	1.1E-03	5.6E-06	8.0E-03	1.2E-03	1.2E-02	2.1E-02	5.6E-06	1.8E+01	2.0E-05	2.7E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***
Post Closure (2051-2119): Min	44	0.033	0.0079	0.0010	8.8	0.028	3.2	1.0E-03	1.0E-03	5.1E-06	7.3E-03	1.0E-03	1.0E-02	1.5E-02	5.1E-06	1.3E+01	1.9E-05	2.1E-04
Post Closure (2051-2119): Mean	158	0.11	0.041	0.0021	26	0.050	34	1.7E-03	1.7E-03	8.7E-06	1.2E-02	2.5E-03	4.3E-02	4.1E-02	8.8E-06	4.0E+01	3.5E-05	5.0E-04
Post Closure (2051-2119): Max	219	0.16	0.117	0.0035	39	0.059	51	2.1E-03	2.1E-03	1.0E-05	1.5E-02	3.3E-03	5.7E-02	6.0E-02	1.0E-05	5.6E+01	4.5E-05	6.8E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2119)																		
2020 Jan	89.98383331	0.069014758	0.022753939	0.001	21.22884369	0.02	7.251312733	0.001	0.001	5E-06	0.006674806	0.001832742	0.008449612	0.041857664	5E-06	33.63097	2.12997E-05	0.000450063
2020 Feb	89.99712372	0.069029205	0.022757797	0.001	21.2326107	0.02	7.252599239	0.001	0.001	5E-06	0.006674617	0.001832979	0.008449233	0.041865174	5E-06	33.63681793	2.12994E-05	0.000450124
2020 Mar	90.01769257	0.069047265	0.022763267	0.00100015	21.23780441	0.020002995	7.25437212	0.00100015	0.00100015	5.00075E-06	0.006675515	0.00183338	0.008450296	0.041875452	5.00075E-06	33.64498138	2.13024E-05	0.000450224
2020 Apr	90.16835022	0.06916409	0.022801513	0.00100178	21.27353477	0.0200356	7.266577244	0.00100178	0.00100178	5.0089E-06	0.00668634	0.001836439	0.008463956	0.041945931	5.0089E-06	33.70155334	2.1337E-05	0.000450976
2020 May	91.54147339	0.070217676	0.023148783	0.001017024	21.59754753	0.020340485	7.377252579	0.001017024	0.001017024	5.08512E-06	0.006788072	0.001864402	0.008592725	0.042584803	5.08512E-06	34.21484375	2.16613E-05	0.000457843
2020 Jun	82.05298615	0.060274068	0.020437475	0.001003892	18.96370697	0.020077841	6.477861404	0.001003892	0.001003892	5.01946E-06	0.006819128	0.001692138	0.008719184	0.037340328	5.01946E-06	30.11615372	2.15627E-05	0.000413639
2020 Jul	80.27894592	0.057698485	0.019829284	0.001026546	18.39332771	0.020773817	6.289078236	0.001026546	0.001026546	5.13273E-06	0.006990492	0.001669207	0.008987983	0.036184892	5.13273E-06	29.22689056	2.19053E-05	0.000405126
2020 Aug	82.54476929	0.059265465	0.020321913	0.001064245	18.91739082	0.021888245	6.473916531	0.001064245	0.001064245	5.32122E-06	0.007219189	0.001721391	0.009336717	0.037158959	5.32122E-06	30.02455902	2.24329E-05	0.000415682
2020 Sep	79.69302368	0.060576417	0.019234639	0.001047534	18.33117676	0.022887692	6.303841591	0.001047534	0.001047534	5.23767E-06	0.007161804	0.00166561	0.009373127	0.035561886	5.23767E-06	28.84740829	2.16023E-05	0.000398568
2020 Oct	76.43331146	0.063223779	0.01793804	0.001027543	17.66835213	0.024061443	6.122478485	0.001027543	0.001027543	5.13772E-06	0.007140834	0.00160043	0.009382239	0.033718135	5.13772E-06	27.48725891	2.0799E-05	0.000378407
2020 Nov	75.47767639	0.064025044	0.017555421	0.001021795	17.4744606	0.024415901	6.069684029	0.001021795	0.001021795	5.10898E-06	0.007136021	0.001581336	0.009386836	0.033175699	5.10898E-06	27.08762741	2.05639E-05	0.000372477
2020 Dec	75.45474243	0.064051256	0.017545544	0.001021688	17.46992493	0.024427284	6.068521023	0.001021688	0.001021688	5.10844E-06	0.007136277	0.001580882	0.00938748	0.033162147	5.10844E-06	27.07779121	2.05583E-05	0.000372329
2021 Jan	75.45715332	0.064061441	0.01754568	0.00102169	17.47084045	0.024429405	6.068893909	0.00102169	0.00102169	5.10845E-06	0.00713638	0.001580922	0.00938761	0.033163253	5.10845E-06	27.07878304	2.05578E-05	0.000372335
2021 Feb	75.47242737	0.064074934	0.017549697	0.001021807	17.47467804	0.024431847	6.070206642	0.001021807	0.001021807	5.10904E-06	0.007137099	0.001581221	0.009388475	0.033170827	5.10904E-06	27.08480453	2.05601E-05	0.000372409
2021 Mar	75.50213623	0.064100437	0.017556859	0.001022161	17.48171997	0.024440097	6.07264185	0.001022161	0.001022161	5.1108E-06	0.007139512	0.001581832	0.009391605	0.033184346	5.1108E-06	27.09575653	2.05672E-05	0.000372555
2021 Apr	75.55457306	0.064145118	0.017569199	0.001022843	17.49395561	0.024456294	6.0768857	0.001022843	0.001022843	5.11421E-06	0.007144245	0.001582925	0.009397806	0.033207659	5.11421E-06	27.11474609	2.05809E-05	0.000372813
2021 May	76.38162994	0.064828955	0.017766118	0.001033487	17.6864624	0.024701042	6.143449306	0.001033487	0.001033487	5.16744E-06	0.007217815	0.001600119	0.009493751	0.033576999	5.16744E-06	27.41493988	2.07979E-05	0.000376909
2021 Jun	71.45923615	0.058054458	0.016511949	0.001022557	16.26919937	0.02387844	5.644249916	0.001022557	0.001022557	5.11278E-06	0.007188851	0.001509452	0.009471075	0.030937048	5.11278E-06	25.31737709	2.08881E-05	0.000355574
2021 Jul	70.91625214	0.056345586	0.016276238	0.001047981	16.03351593	0.024600232	5.568924904	0.001047981	0.001047981	5.23991E-06	0.007346549	0.001510623	0.009711327	0.030485217	5.23991E-06	24.96661758	2.12219E-05	0.000352727
2021 Aug	71.57569885	0.056671832	0.016334625	0.001070299	16.19365692	0.025620058	5.63279438	0.001070299	0.001070299	5.35149E-06	0.007449877	0.001532752	0.009932536	0.030713519	5.35149E-06	25.1662693	2.124E-05	0.000354592
2021 Sep	69.021492	0.05803794	0.015386733	0.001047961	15.697999	0.026350308	5.488922119	0.001047961	0.001047961	5.23981E-06	0.007341781	0.001480506	0.009896693	0.029338371	5.23981E-06	24.15222359	2.03367E-05	0.000339203
2021 Oct	67.63629913	0.06020119	0.014772293	0.001037669	15.44910622	0.027041661	5.430341244	0.001037669	0.001037669	5.18835E-06	0.007341181	0.001451479	0.009905073	0.028533649	5.18835E-06	23.57303619	1.99261E-05	0.000329954
2021 Nov	67.73606873	0.060441051	0.014780212	0.001039688	15.47489738	0.027136933	5.440692425	0.001039688	0.001039688	5.19844E-06	0.007358671	0.001453651	0.00992908	0.02856594	5.19844E-06	23.60352135	1.99554E-05	0.000330329
2021 Dec	67.76403046	0.060479775	0.014785048	0.001040161	15.48155975	0.027153187	5.443151951	0.001040161	0.001040161	5.20081E-06	0.007362316	0.001454254	0.009934035	0.028576836	5.20081E-06	23.61287308	1.99636E-05	0.000330456
2022 Jan	67.76890564	0.060488768	0.014785986	0.001040199	15.48292446	0.027155226	5.443655968	0.001040199	0.001040199	5.20099E-06	0.007362632	0.001454348	0.009934428	0.028579095	5.20099E-06	23.61475372	1.99641E-05	0.000330476
2022 Feb	67.77475739	0.060493946	0.014787675	0.001040218	15.48447418	0.027155362	5.444179058	0.001040218	0.001040218	5.20109E-06	0.007362696	0.001454456	0.009934452	0.028582245	5.20109E-06	23.61721611	1.99645E-05	0.000330504
2022 Mar	67.79462433	0.060511656	0.014792233	0.001040484	15.48913002	0.027162118	5.445804119	0.001040484	0.001040484	5.20242E-06	0.007364543	0.001454873	0.009936911	0.028590996	5.20242E-06	23.62436867	1.99696E-05	0.000330601
2022 Apr	68.17269135	0.0608491	0.014874853	0.001046264	15.57557487	0.027312905	5.47619009	0.001046264	0.001046264	5.23132E-06	0.007405435	0.001462981	0.009992066	0.028750652	5.23132E-06	23.75624657	2.00806E-05	0.000332445
2022 May	69.03831482	0.061621685	0.015063781	0.00105954	15.77337074	0.02765942	5.545730114	0.00105954	0.00105954	5.2977E-06	0.007499394	0.001481555	0.010118837	0.029115802	5.2977E-06	24.05794525	2.03354E-05	0.000336666
2022 Jun	64.45735168	0.054816745	0.013965267	0.001045231	14.43958187	0.026528688	5.069742203	0.001045231	0.001045231	5.22616E-06	0.007444252	0.001395407	0.01003796	0.026703594	5.22616E-06	22.12623787	2.0471E-05	0.000317516
2022 Jul	55.1067543	0.042510021	0.011712233	0.00098534	11.98497105	0.024743637	4.21726799	0.00098534	0.00098534	4.9267E-06	0.006964331	0.001225931	0.009435715	0.022227714	4.9267E-06	18.46656418	1.91058E-05	0.000272482
2022 Aug	56.32048798	0.043269113	0.011884908	0.001017353	12.27261925	0.026058165	4.326281071	0.001017353	0.001017353	5.08677E-06	0.007129267	0.001260741	0.009751995	0.022685079	5.08677E-06	18.85690117	1.9264E-05	0.000276945
2022 Sep	55.5219574	0.045230657	0.011469027	0.001008768	12.1851778	0.026790893	4.313572407	0.001008768	0.001008768	5.04384E-06	0.007093134	0.001242907	0.009802942	0.02220034	5.04384E-06	18.53775024	1.87233E-05	0.000270992
2022 Oct	54.84572983	0.047512908	0.011107464	0.000999356	12.10829258	0.027278006	4.307856083	0.000999356	0.000999356	4.99678E-06	0.007085649	0.001226431	0.009788711	0.021801084	4.99678E-06	18.26581764	1.84063E-05	0.00026572
2022 Nov	54.98912811	0.047716524	0.011130288	0.00100205	12.14195538	0.027372118	4.320431232	0.00100205	0.00100205	5.01025E-06	0.007106386	0.0012296	0.009817725	0.021854473	5.01025E-06	18.31228065	1.8452E-05	0.00026636
2022 Dec	55.01034546	0.047749471	0.011133443	0.001002451	12.14700603	0.027386852	4.322338581	0.001002451	0.001002451	5.01226E-06	0.007109533	0.001230067	0.009821577	0.021862242	5.01226E-06	18.31910896	1.84586E-05	0.000266453
2023 Jan	55.01544952	0.047758948	0.011134506	0.001002477	12.14846897	0.027388496	4.322872639	0.001002477	0.001002477	5.01238E-06	0.007109762	0.00123016	0.00982183	0.021864725	5.01238E-06	18.32115173	1.84589E-05	0.000266474
2023 Feb	55.02188492	0.047764707	0.011136373	0.001002495	12.15017891	0.027388569	4.323449135	0.001002495	0.001002495	5.01248E-06	0.007109823	0.001230279	0.009821841	0.021868201	5.01248E-06	18.3238678	1.84594E-05	0.000266505
2023 Mar	55.02881241	0.047770813	0.011138082	0.001002568	12.15186405	0.027390309	4.32403183	0.001002568	0.001002568	5.01284E-06	0.007110298	0.001230419	0.009822454	0.021871455	5.01284E-06	18.32648659	1.84607E-05	0.000266539
2023 Apr	55.20132446	0.047920626	0.011173174	0.00100568	12.19004917	0.027475201	4.337609768	0.00100568	0.00100568	5.0284E-06	0.007132349	0.001234269	0.009852894	0.021940308	5.0284E-06	18.38411903	1.85181E-05	0.000267374
2023 May	56.30024719	0.048760571	0.011452531	0.001017684	12.44975376	0.027711395	4.426227093	0.001017684	0.001017684	5.08842E-06	0.007212248	0.001256593	0.009953601	0.022453481	5.08842E-06	18.79603195	1.87747E-05	0.000272875
2023 Jun	56.38114548	0.046080578	0.011848133	0.000995011	12.3984108	0.025767945	4.37368536	0.000995011	0.000995011	4.97506E-06	0.007047754	0.001248677	0.009631262	0.022745341	4.97506E-06	18.94708252	1.8986E-05	0.000277012
2023 Jul	54.55186462	0.042836778	0.011388283	0.000997202	11.85539246	0.025659218	4.18503952	0.000997202	0.000997202	4.98601E-06	0.007044861	0.001220517	0.009634714	0.021784671	4.98601E-06	18.1632843	1.89969E-05	0.000268528
2023 Aug	55.70721817	0.043461636	0.011566957	0.001027454	12.1216259	0.026831971	4.286769867	0.001027454	0.001027454	5.13727E-06	0.007203402	0.001253976	0.009910513	0.022236392	5.13727E-06	18.53782463	1.91922E-05	0.000272776
2023 Sep	55.8254509	0.044532433	0.011467027	0.001033722	12.19717312	0.027555313	4.318956852	0.001033722	0.001033722	5.16861E-06	0.007234878	0.001257399	0.010066899	0.022191843	5.16861E-06	18.55283356	1.89882E-05	0.000272428
2023 Oct	55.6325798	0.046008583	0.011302641	0.001031381	12.19682312	0.02790961	4.331026077	0.001031381	0.001031381	5.1569E-06	0.007252593	0.001252134	0.010087522	0.022044623	5.1569E-06	18.46429443	1.88687E-05	0.000270367
2023 Nov	55.7902565	0.046372361	0.011316811	0.00103448	12.23737431	0.028053071	4.347166061	0.00103448	0.00103448	5.1724E-06	0.007279263	0.001255551	0.010124044	0.022097003	5.1724E-06	18.51312828	1.89145E-05	0.000270973
2023 Dec	55.80867767	0.046406053	0.01131914	0.001034835	12.24188614	0.028067401	4.348905563	0.001034835	0.001034835	5.17418E-06	0.007282148	0.001255955	0.010128011	0.022103503	5.17418E-06	18.51896477	1.89201E-05	0.00027105
2024 Jan	55.81328201	0.046416596	0.011320105	0.001034833	12.24333096	0.028068548	4.34943819	0.001034833	0.001034833	5.17417E-06	0.0072822	0.001256031	0.010127997	0.022105904	5.17417E-06	18.52093124	1.89199E-05	0.000271068
2024 Feb	55.82019806	0.046422958	0.011322208	0.001034835	12.245224	0.028068051	4.350072384	0.001034835	0.001034835	5.17417E-06	0.007282125	0.001256153	0.010127793	0.022109808	5.17417E-06	18.52395821	1.892E-05	0.000271102
2024 Mar	55.87399292	0.046468031	0.011333499	0.001035763	12.2572298	0.028092945	4.354316711	0.001035763	0.001035763	5.17882E-06	0.007288613	0.001257345	0.010136763	0.022131748	5.17882E-06	18.5422039	1.89371E-05	0.000271363
2024 Apr	55.97623825	0.046553247	0.01135445	0.001037621	12.2797718	0.028143154	4.362313747	0.001037621	0.001037621	5.1881E-06	0.007301657	0.001259636	0.010154872	0.022172598	5.1881E-06	18.57635498	1.89711E-05	0.00027186
2024 May	57.78370667	0.047830306	0.01189591	0.001045181	12.73409939	0.028071549	4.512442589	0.001045181	0.001045181	5.2259E-06	0.007340794	0.001292846	0.010176932	0.023129907	5.2259E-06	19.32255745	1.92245E-05	0.000281144
2024 Jun	60.00622177	0.048005849	0.012957416	0.001008987	13.33958626	0.025792364	4.684027672	0.001008987	0.001008987	5.04494E-06	0.007054287	0.001318995	0.009647448	0.024738295	5.04494E-06	20.48766708	1.91582E-05	0.000294903
2024 Jul	61.97700882	0.049117845	0.013354857	0.001052383	13.74040031	0.026894782	4.826529026	0.001052383	0.001052383	5.26192E-06	0.007350725	0.001366309	0.010056652	0.02548763	5.26192E-06	21.11243248	1.99483E-05	0.000304587
2024 Aug	63.40943909	0.050314162	0.013589836	0.00108349	14.07955837	0.028078506	4.948884964	0.00108349	0.00108349	5.41745E-06	0.007532242	0.001401662	0.010400264	0.026022578	5.41745E-06	21.58065987	2.02175E-05	0.000310841
2024 Sep	62.33956146	0.05166873	0.01312831	0.001073081	13.91222668	0.0286777	4.906302929	0.001073081	0.001073081	5.3654E-06	0.007478679	0.001378891	0.010427148	0.025415471	5.3654E-06	21.15693855	1.96629E-05	0.000303812
2024 Oct	62.1606369	0.05320086	0.012952742	0.001072892	13.91062832	0.029110365	4.919041157	0.001072892	0.001072892	5.36446E-06	0.007514025	0.001374457	0.010471613	0.025255699	5.36446E-06	21.06182671	1.95799E-05	0.000301768
2024 Nov	62.06490326	0.054007262	0.012859901	0.001072769	13.9094677	0.029337766	4.925642967	0.001072769	0.001072769	5.36384E-06	0.007532485	0.001372089	0.010494811	0.025170902	5.36384E-06	21.01120949	1.95356E-05	0.000300684
2024 Dec	62.08909225	0.054051738	0.012862991	0.001073227	13.91542244	0.029356379	4.927937031	0.001073227	0.001073227	5.36613E-06	0.007536213	0.001372617	0.010499939	0.025179503	5.36613E-06	21.0189209	1.95429E-05	0.000300785
2025 Jan	62.09409332	0.054063488	0.012863998	0.001073228	13.91698933	0.029357795	4.928518295	0.001073228	0.001073228	5.36614E-06	0.007536302	0.0013727	0.010499955	0.025182076	5.36614E-06	21.02103424	1.95427E-05	0.000300804
2025 Feb	62.10686493	0.054074831	0.012867414	0.001073316	13.92023468	0.02935954	4.929626465	0.001073316	0.001073316	5.36658E-06	0.007536818	0.001372948	0.010500558	0.025188509	5.36658E-06	21.02613258	1.95444E-05	0.000300866
2025 Mar	62.12150192	0.054087691	0.012870866	0.001073496	13.92372227	0.029364116	4.930839539	0.001073496	0.001073496	5.36748E-06	0.00753803	0.001373253	0.010502182	0.025195125	5.36748E-06	21.0315094	1.95478E-05	0.000300937
2025 Apr	62.17724991	0.054136295	0.012882655	0.001074418	13.93633652	0.029389134	4.935293674	0.001074418	0.001074418	5.37209E-06	0.007544474	0.001374474	0.010511122	0.025218124	5.37209E-06	21.05062294	1.95646E-05	0.000301207

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2025 May	63.0734787	0.05491659	0.013068452	0.001089888	14.13726139	0.029812176	5.006441593	0.001089888	0.001089888	5.44944E-06	0.007653089	0.001394282	0.01066243	0.025581779	5.44944E-06	21.35414886	1.98464E-05	0.000305549
2025 Jun	59.43838882	0.049239304	0.012267124	0.00107257	13.06546211	0.028463617	4.618356705	0.00107257	0.00107257	5.36285E-06	0.00758241	0.001322843	0.010518808	0.02371542	5.36285E-06	19.84391022	2.00414E-05	0.000291136
2025 Jul	55.42500687	0.04289256	0.011347909	0.001055879	11.92163754	0.027432531	4.213393688	0.001055879	0.001055879	5.27939E-06	0.007464538	0.001250659	0.010331823	0.021721577	5.27939E-06	18.20902634	1.9931E-05	0.000273381
2025 Aug	56.90028	0.043796517	0.011592637	0.001091863	12.25660992	0.028743731	4.338856697	0.001091863	0.001091863	5.45931E-06	0.007666446	0.001290858	0.010669175	0.022294985	5.45931E-06	18.68789482	2.02486E-05	0.000279296
2025 Sep	56.82992172	0.045014884	0.011459524	0.001092352	12.29027939	0.029244639	4.359059334	0.001092352	0.001092352	5.46176E-06	0.007677672	0.001289051	0.010742893	0.02219508	5.46176E-06	18.64618492	2.00495E-05	0.00027793
2025 Oct	55.98587036	0.047182955	0.011080623	0.001076843	12.18464851	0.029547179	4.342433453	0.001076843	0.001076843	5.38422E-06	0.007626608	0.00126799	0.010661852	0.021757163	5.38422E-06	18.335392	1.96328E-05	0.00027184
2025 Nov	55.69519043	0.048133262	0.01093515	0.001071554	12.15379143	0.029704275	4.3401618	0.001071554	0.001071554	5.35777E-06	0.007613542	0.0012606	0.010639579	0.021598576	5.35777E-06	18.22593117	1.94807E-05	0.000269602
2025 Dec	55.71549606	0.048170816	0.010937666	0.001071949	12.15876579	0.029720303	4.342083931	0.001071949	0.001071949	5.35975E-06	0.007616761	0.001261046	0.010644011	0.021605687	5.35975E-06	18.23233604	1.9487E-05	0.000269687
2026 Jan	55.72299576	0.048184019	0.010939257	0.001071991	12.16088009	0.029722646	4.342853069	0.001071991	0.001071991	5.35995E-06	0.007617118	0.001261184	0.010644409	0.021609323	5.35995E-06	18.23532104	1.94875E-05	0.000269719
2026 Feb	55.73158264	0.048191708	0.010941759	0.001072014	12.16316509	0.029722678	4.343623161	0.001072014	0.001072014	5.36007E-06	0.007617188	0.001261341	0.0106444	0.02161398	5.36007E-06	18.23895454	1.94881E-05	0.00026976
2026 Mar	55.76902771	0.048224229	0.010949553	0.001072657	12.17156029	0.029740166	4.346596718	0.001072657	0.001072657	5.36329E-06	0.007621704	0.001262168	0.010650652	0.021629222	5.36329E-06	18.25165558	1.94999E-05	0.000269942
2026 Apr	55.92264557	0.048357148	0.010979967	0.001075568	12.2052145	0.029820675	4.358600616	0.001075568	0.001075568	5.37784E-06	0.007642355	0.001265634	0.010679476	0.021689214	5.37784E-06	18.30218697	1.95528E-05	0.000270685
2026 May	56.70817184	0.04899741	0.011156837	0.001087422	12.38374615	0.030115003	4.420888901	0.001087422	0.001087422	5.43711E-06	0.007724664	0.001282504	0.010790591	0.022024861	5.43711E-06	18.57789612	1.97819E-05	0.000274552
2026 Jun	55.1923027	0.044284113	0.011258742	0.001041048	11.92586517	0.027218364	4.219792366	0.001041048	0.001041048	5.20524E-06	0.007405784	0.001239377	0.010222455	0.021641821	5.20524E-06	18.15990639	1.97412E-05	0.000271859
2026 Jul	55.68267822	0.043665193	0.011325793	0.001068495	11.95508194	0.027821738	4.23144865	0.001068495	0.001068495	5.34247E-06	0.007588734	0.001257118	0.010474111	0.021722686	5.34247E-06	18.2338028	2.02518E-05	0.000274561
2026 Aug	56.23545837	0.043612983	0.011361185	0.001091409	12.09505081	0.028949751	4.292723656	0.001091409	0.001091409	5.45705E-06	0.00766939	0.001280936	0.010653461	0.02194709	5.45705E-06	18.40902138	2.01511E-05	0.000275119
2026 Sep	56.72050095	0.044852007	0.011384224	0.00110162	12.23027992	0.029519388	4.346380711	0.00110162	0.00110162	5.5081E-06	0.00774972	0.001291647	0.010793494	0.022092715	5.5081E-06	18.55662346	2.02265E-05	0.000276834
2026 Oct	55.63886642	0.046680536	0.010971643	0.001080907	12.07096481	0.029641898	4.309120655	0.001080907	0.001080907	5.40453E-06	0.007658542	0.001265035	0.010659491	0.021571072	5.40453E-06	18.17255211	1.97211E-05	0.00026972
2026 Nov	55.79008865	0.046860952	0.010997564	0.001083851	12.1052475	0.029736139	4.321743011	0.001083851	0.001083851	5.41925E-06	0.007680486	0.001268434	0.010689896	0.021627698	5.41925E-06	18.22134209	1.97723E-05	0.000270417
2026 Dec	55.808815	0.046889529	0.01100032	0.001084216	12.10966587	0.029749403	4.323411942	0.001084216	0.001084216	5.42108E-06	0.007683336	0.00126885	0.010693829	0.02163448	5.42108E-06	18.227314	1.97784E-05	0.000270499
2027 Jan	55.81424713	0.046898715	0.011001462	0.001084252	12.11116886	0.029751213	4.32395792	0.001084252	0.001084252	5.42126E-06	0.007683637	0.001268952	0.010694185	0.021637063	5.42126E-06	18.2294426	1.97789E-05	0.000270522
2027 Feb	55.81990814	0.046903826	0.011003105	0.001084268	12.11267567	0.029751251	4.324465752	0.001084268	0.001084268	5.42134E-06	0.007683685	0.001269056	0.010694183	0.021640126	5.42134E-06	18.2318325	1.97793E-05	0.000270549
2027 Mar	55.85427475	0.046932906	0.011010168	0.001084884	12.12028503	0.029767945	4.327167034	0.001084884	0.001084884	5.42442E-06	0.007688018	0.001269823	0.010700176	0.021653924	5.42442E-06	18.2433567	1.97906E-05	0.000270716
2027 Apr	56.10215759	0.047141302	0.011059197	0.001089669	12.17416191	0.029899126	4.346392155	0.001089669	0.001089669	5.44835E-06	0.007721908	0.001275451	0.010747325	0.021750297	5.44835E-06	18.3244915	1.98779E-05	0.000271917
2027 May	57.02358246	0.047896497	0.011255396	0.001105394	12.3790617	0.03030902	4.41859436	0.001105394	0.001105394	5.52697E-06	0.007832143	0.001295781	0.010898309	0.022127777	5.52697E-06	18.63777161	2.01735E-05	0.000276424
2027 Jun	51.69068909	0.039500419	0.010241201	0.001053851	10.8706665	0.027395369	3.860038996	0.001053851	0.001053851	5.26925E-06	0.00753309	0.001182699	0.010403436	0.019612757	5.26925E-06	16.56442261	2.008E-05	0.000255856
2027 Jul	51.39978409	0.037455946	0.010160826	0.001076941	10.65431881	0.02754385	3.779247999	0.001076941	0.001076941	5.3847E-06	0.007704932	0.001183762	0.010622251	0.019287376	5.3847E-06	16.3094101	2.07177E-05	0.00025602
2027 Aug	53.07068634	0.038747363	0.010442752	0.001114845	11.03016186	0.028848514	3.915088177	0.001114845	0.001114845	5.57422E-06	0.007940373	0.001225052	0.011024479	0.01990032	5.57422E-06	16.84200287	2.11601E-05	0.000263554
2027 Sep	52.75360107	0.040655702	0.010204511	0.001107288	11.05782604	0.029449223	3.937890291	0.001107288	0.001107288	5.53644E-06	0.007896182	0.001216523	0.011053564	0.019701013	5.53644E-06	16.73446655	2.06723E-05	0.000260219
2027 Oct	52.34353256	0.042620577	0.009972963	0.00109643	11.04338074	0.029734436	3.948666573	0.00109643	0.00109643	5.48215E-06	0.007861445	0.001204948	0.010997177	0.019489359	5.48215E-06	16.59491158	2.03552E-05	0.000256575
2027 Nov	52.41444397	0.043302644	0.009944807	0.001097299	11.07791519	0.029915443	3.965344191	0.001097299	0.001097299	5.4865E-06	0.007879388	0.001206	0.011020159	0.019499745	5.4865E-06	16.6147995	2.03399E-05	0.000256479
2027 Dec	52.43096542	0.043350365	0.009945667	0.001097611	11.08247471	0.029932553	3.967212439	0.001097611	0.001097611	5.48806E-06	0.007882269	0.001206349	0.011024075	0.019505017	5.48806E-06	16.61989403	2.0344E-05	0.000256536
2028 Jan	52.43720627	0.043363962	0.009947095	0.001097595	11.08446026	0.029933592	3.967935801	0.001097595	0.001097595	5.48798E-06	0.007882212	0.001206449	0.011023875	0.019508434	5.48798E-06	16.62265205	2.03434E-05	0.00025656
2028 Feb	52.45030975	0.04337563	0.009950634	0.001097679	11.08780861	0.029935189	3.969077587	0.001097679	0.001097679	5.48839E-06	0.007882694	0.001206702	0.01102442	0.019515092	5.48839E-06	16.62792015	2.03451E-05	0.000256624
2028 Mar	52.46400833	0.043387406	0.009953802	0.001097862	11.09101677	0.029939823	3.970195532	0.001097862	0.001097862	5.48931E-06	0.007883945	0.001206991	0.011026103	0.019521151	5.48931E-06	16.632864	2.03486E-05	0.000256691
2028 Apr	52.60332489	0.043502867	0.009980552	0.00110072	11.12064362	0.030017555	3.980783224	0.00110072	0.00110072	5.5036E-06	0.007904433	0.001210181	0.011054716	0.019573526	5.5036E-06	16.67736816	2.04016E-05	0.000257372
2028 May	53.20409775	0.043999687	0.010094743	0.001113257	11.24774647	0.030359231	4.026269913	0.001113257	0.001113257	5.56628E-06	0.007994437	0.001223993	0.011180562	0.019797396	5.56628E-06	16.86804008	2.0634E-05	0.000260312
2028 Jun	48.92844391	0.036925584	0.00933194	0.001067921	10.03947544	0.02779923	3.576227665	0.001067921	0.001067921	5.33961E-06	0.007716611	0.001132981	0.010714971	0.017840778	5.33961E-06	15.23514652	2.05137E-05	0.000243945
2028 Jul	48.55413437	0.034982029	0.009266513	0.001081686	9.834230423	0.027716611	3.498360634	0.001081686	0.001081686	5.40843E-06	0.007817225	0.001130264	0.010830991	0.017552586	5.40843E-06	14.99803543	2.09628E-05	0.000243524
2028 Aug	51.07268143	0.036820572	0.009727581	0.001138762	10.35941601	0.029334255	3.686449289	0.001138762	0.001138762	5.69381E-06	0.008211781	0.001190256	0.011411865	0.018463096	5.69381E-06	15.78043365	2.19325E-05	0.000255753
2028 Sep	51.4836998	0.03896869	0.009684804	0.001144603	10.51284218	0.030003825	3.753209591	0.001144603	0.001144603	5.72302E-06	0.008279525	0.001197986	0.01152015	0.018577559	5.72302E-06	15.91164589	2.18958E-05	0.000256397
2028 Oct	50.21362305	0.043280955	0.0091167	0.001106679	10.43701553	0.030351495	3.761767387	0.001106679	0.001106679	5.53339E-06	0.008095652	0.001162818	0.011251672	0.018031264	5.53339E-06	15.52718353	2.08754E-05	0.000246188
2028 Nov	50.3261795	0.044241086	0.009083259	0.001107574	10.49044609	0.030597577	3.78675437	0.001107574	0.001107574	5.53787E-06	0.008117134	0.001164506	0.011279466	0.018057279	5.53787E-06	15.56330872	2.08436E-05	0.000246104
2028 Dec	50.34476852	0.044273455	0.009085614	0.001107953	10.49487972	0.030612184	3.788460493	0.001107953	0.001107953	5.53977E-06	0.008120194	0.001164919	0.01128368	0.018063681	5.53977E-06	15.56908131	2.08498E-05	0.000246183
2029 Jan	50.34950256	0.044283126	0.009086749	0.00110794	10.49638081	0.030612824	3.789003134	0.00110794	0.00110794	5.5397E-06	0.008120117	0.001164996	0.011283495	0.018066321	5.5397E-06	15.57119656	2.08493E-05	0.000246202
2029 Feb	50.35583115	0.044288769	0.009088731	0.001107932	10.49814129	0.030612111	3.789590359	0.001107932	0.001107932	5.53966E-06	0.008119967	0.001165106	0.011283199	0.018069992	5.53966E-06	15.57402325	2.08493E-05	0.000246232
2029 Mar	50.36845779	0.044299919	0.009091469	0.00110813	10.5010128	0.030617299	3.790601492	0.00110813	0.00110813	5.54065E-06	0.008121365	0.001165378	0.011285095	0.018075285	5.54065E-06	15.57840252	2.0853E-05	0.000246294
2029 Apr	50.42473221	0.044349439	0.009101888	0.001109323	10.51288319	0.030650089	3.794871092	0.001109323	0.001109323	5.54661E-06	0.008130075	0.001166669	0.01129717	0.018095914	5.54661E-06	15.59607792	2.08755E-05	0.000246569
2029 May	50.83289337	0.044699058	0.009181675	0.001117381	10.60030842	0.03086561	3.826043129	0.001117381	0.001117381	5.5869E-06	0.008188516	0.001175879	0.011377603	0.018251387	5.5869E-06	15.72777557	2.10294E-05	0.000248574
2029 Jun	49.44036484	0.041096177	0.009039786	0.001102069	10.1573801	0.029564748	3.650976658	0.001102069	0.001102069	5.51034E-06	0.008084211	0.001145812	0.011188473	0.017651534	5.51034E-06	15.20223045	2.11551E-05	0.000244551
2029 Jul	45.01134872	0.033197053	0.008278927	0.001048675	8.997327805	0.027292471	3.226228714	0.001048675	0.001048675	5.24338E-06	0.007630359	0.001060587	0.010535293	0.015850175	5.24338E-06	13.63420391	2.02651E-05	0.000224742
2029 Aug	46.13259125	0.033791095	0.008436008	0.001079464	9.264117241	0.028580315	3.329154015	0.001079464	0.001079464	5.39732E-06	0.007780849	0.001094382	0.010822077	0.016285067	5.39732E-06	13.99777699	2.03804E-05	0.000228555
2029 Sep	46.71307755	0.035634261	0.008449211	0.001089224	9.446442604	0.029301712	3.40229249	0.001089224	0.001089224	5.44612E-06	0.00786134	0.001106399	0.01097463	0.016469028	5.44612E-06	14.18634796	2.03848E-05	0.000230323
2029 Oct	46.62998962	0.037923999	0.008298527	0.001081173	9.515093803	0.029664278	3.441668987	0.001081173	0.001081173	5.40587E-06	0.007844275	0.001101236	0.010943887	0.016413854	5.40587E-06	14.17350864	2.01153E-05	0.000228254
2029 Nov	46.70288849	0.038670734	0.00827187	0.001081077	9.554932594	0.029831799	3.460320711	0.001081077	0.001081077	5.40539E-06	0.007855637	0.001102024	0.010957717	0.016431952	5.40539E-06	14.19928646	2.00786E-05	0.000228126
2029 Dec	46.71656799	0.03869966	0.008273277	0.001081348	9.55837059	0.02984364	3.461673975	0.001081348	0.001081348	5.40674E-06	0.007857915	0.001102323	0.010960842	0.016436571	5.40674E-06	14.20353889	2.00827E-05	0.00022818
2030 Jan	46.72238159	0.038710915	0.008274645	0.001081344	9.5601511	0.029844616	3.462316036	0.001081344	0.001081344	5.40672E-06	0.00785792	0.00110242	0.010960762	0.016439697	5.40672E-06	14.20605755	2.00824E-05	0.000228204
2030 Feb	46.73545456	0.038722355	0.008277886	0.00108148	9.563332558	0.029847819	3.463414431	0.00108148	0.00108148	5.4074E-06	0.007858808	0.001102686	0.010961907	0.016445851	5.4074E-06	14.21100712	2.0085E-05	0.000228268
2030 Mar	46.75835037	0.038741656	0.008282444	0.001081919	9.568292618	0.029859638	3.465181351	0.001081919	0.001081919	5.40959E-06	0.007861944	0.001103202	0.010966229	0.016454753	5.40959E-06	14.21849918	2.00932E-05	0.000228379
2030 Apr	46.83897781	0.038808644	0.008297014	0.001083732	9.584949493	0.029909523	3.47119689	0.001083732	0.001083732	5.41866E-06	0.007875093	0.001105091	0.010984541	0.016483609	5.41866E-06	14.24331951	2.01269E-05	0.000228773
2030 May	47.42961884	0.039297655	0.008402267	0.001097297	9.706088066	0.030283226	3.515027761	0.001097297	0.001097297	5.48648E-06	0.007973603	0.001118999	0.01112187	0.016692426	5.48648E-06	14.42351913	2.03791E-05	0.000231659
2030 Jun	45.17187881	0.034162909	0.008174228	0.001063535	9.029980659	0.028036999	3.2467556	0.001063535	0.001063535	5.31768E-06	0.007752911	0.00106665	0.010742011	0.01576528	5.31768E-06	13.61102772	2.04202E-05	0.000224896
2030 Jul	43.594944	0.030954551	0.007919393	0.001046362	8.605766296	0.027228983	3.091076612	0.001046362	0.001046362	5.23181E-06	0.007591325	0.00103803	0.010506582	0.015136685	5.23181E-06	13.05288792	2.0115E-05	0.000217822
2030 Aug	44.69130325	0.031481709	0.00808389	0.001076582	8.855175018	0.028397927	3.18756175	0.001076582	0.001076582	5.38291E-06	0.007748603	0.001070788	0.010775477	0.015562984	5.38291E-06	13.40414143	2.03076E-05	0.000221722
2030 Sep	45.81332016	0.032702986	0.008257295	0.001102137	9.101922989	0.029240582	3.278224707	0.001102137	0.001102137	5.51068E-06	0.007931708	0.001097094	0.011054141	0.015948221	5.51068E-06	13.74723434	2.07075E-05	0.00022693
2030 Oct	45.65678024	0.034950443	0.008098562	0.00109127	9.159300804	0.02952533	3.313094616	0.00109127	0.00109127	5.45635E-06	0.007893946	0.001089832	0.010995425	0.015875677	5.45635E-06	13.71801662	2.03858E-05	0.000224509
2030 Nov	45.61912155	0.035992537	0.008032636	0.001087147	9.191907883	0.029675588	3.331275225	0.001087147	0.001087147	5.43574E-06	0.007882595	0.001087338	0.010976849	0.015854388	5.43574E-06	13.71476078	2.02551E-05	0.000223578
2030 Dec	45.63003159	0.036019448	0.008033543	0.001087352	9.194791794	0.029685667	3.332429171	0.001087352	0.001087352	5.43676E-06	0.007884397	0.001087571	0.010979311	0.015858039	5.43676E-06	13.7181778	2.02579E-05	0.000223618
2031 Jan	45.63626099	0.03603135	0.008034994	0.001087352	9.19668293	0.02968681	3.333110571	0.001087352	0.001087352	5.43676E-06	0.007884434	0.001087676	0.010979276	0.015861347	5.43676E-06	13.72085094	2.02577E-05	0.000223644
2031 Feb	45.64351654	0.036038097	0.008037217	0.001087349	9.198688507	0.029686201	3.333782434	0.001087349	0.001087349	5.43675E-06	0.007884315	0.001087803	0.010979015	0.015865486	5.43675E-06	13.72405338	2.02578E-05	0.000223679
2031 Mar	45.65726089	0.036049508	0.008040153	0.001087581	9.201755524	0.029692236	3.334863901	0.001087581	0.001087581	5.4379E-06	0.007885941	0.001088106	0.010981227	0.015871143	5.4379E-06	13.7287426	2.02621E-05	0.000223746
2031 Apr	45.82857132	0.036185086	0.008070615	0.001091607	9.236451149	0.029801983	3.347420931	0.001091607	0.001091607	5.45803E-06	0.007915102	0.001092174	0.011021805	0.015931197	5.45803E-06	13.78057289	2.03372E-05	0.000224586
2031 May	47.26208496	0.037278876	0.008452524	0.001104322	9.58334446	0.030012306	3.464849949	0.001104322	0.001104322	5.52161E-06	0.007996502	0.001120495	0.011119316	0.016627766	5.52161E-06	14.33482456	2.06231E-05	0.000231781
2031 Jun	51.45275116	0.039538376	0.010037482	0.001075742	10.73308849	0.028045714	3.823970556	0.001075742	0.001075742	5.37871E-06	0.007730098	0.001184147	0.010631949	0.019279085	5.37871E-06	16.32679939	2.05718E-05	0.000254495
2031 Jul	53.68121719	0.040840961	0.010463955	0.00112856	11.17282963	0.02939198	3.981247425	0.00112856	0.00112856	5.6428E-06	0.008100276	0.001238142	0.011142614	0.020083413	5.6428E-06	17.00740814	2.15583E-05	0.000265546
2031 Aug	54.65647125	0.04144552	0.010596852	0.00115476	11.40749168	0.030504098	4.070552349	0.00115476	0.00115476	5.7738E-06	0.008230797	0.001266616	0.011403106	0.020450477	5.7738E-06	17.32162285	2.16548E-05	0.00026901
2031 Sep	53.69350433	0.043484733	0.010186009	0.001132826	11.32706547	0.030938802	4.057939529	0.001132826	0.001132826	5.66413E-06	0.008088708	0.0012424	0.0113222	0.019986898	5.66413E-06	17.00831032	2.08118E-05	0.000262063
2031 Oct	52.19962692	0.047545839	0.009555052	0.001095551	11.17673492	0.031231543	4.03985405	0.001095551	0.001095551	5.47775E-06	0.007923308	0.001202503	0.011072312	0.01929638	5.47775E-06	16.51430893	1.98772E-05	0.000251118
2031 Nov	52.2156105	0.048080977	0.009523651	0.001095317	11.19643402	0.031355031	4.05045557	0.001095317	0.001095317	5.47659E-06	0.007931625	0.001202345	0.011082133	0.019289009	5.47659E-06	16.51730919	1.98481E-05	0.000250834
2031 Dec	52.22639847	0.048108581	0.009524454	0.001095524	11.19929981	0.031365376	4.05161047	0.001095524	0.001095524	5.47762E-06	0.007933463	0.001202575	0.011084641	0.019292543	5.47762E-06	16.52065277	1.98511E-05	0.000250873
2032 Jan	52.23263931	0.048120067	0.009525887	0.001095534	11.20114803	0.031366665	4.052276611	0.001095534	0.001095534	5.47767E-06	0.007933572	0.001202684	0.011084697	0.019295786	5.47767E-06	16.52327728	1.98511E-05	0.000250899
2032 Feb	52.23998642	0.048126459	0.009528176	0.001095531	11.20316505	0.031365901	4.052948952	0.001095531	0.001095531	5.47765E-06	0.007933444	0.001202812	0.011084413	0.019299993	5.47765E-06	16.5265255	1.98511E-05	0.000250935
2032 Mar	52.25764847	0.048142526	0.009531911	0.001095816	11.20719242	0.031373702	4.054374695	0.001095816	0.001095816	5.47908E-06	0.007935453	0.001203197	0.011087163	0.01930733	5.47908E-06	16.53261375	1.98564E-05	0.00025102

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2032 Apr	52.37316513	0.048248831	0.009553266	0.001098191	11.23209858	0.031441495	4.063367367	0.001098191	0.001098191	5.49095E-06	0.00795262	0.001205844	0.011111117	0.019350458	5.49095E-06	16.56943512	1.98995E-05	0.000251575
2032 May	52.97583008	0.048791494	0.009669	0.001110014	11.36312866	0.031772148	4.110378265	0.001110014	0.001110014	5.55007E-06	0.008037716	0.001219501	0.01122921	0.019581027	5.55007E-06	16.76484108	2.01165E-05	0.000254486
2032 Jun	48.99849319	0.040443856	0.009146044	0.001059904	10.1916256	0.028515663	3.6566329	0.001059904	0.001059904	5.29952E-06	0.007705481	0.001131973	0.010670653	0.017871361	5.29952E-06	15.29371452	2.01115E-05	0.00024118
2032 Jul	43.98927689	0.032903932	0.008212042	0.000993146	8.951061249	0.026210077	3.210222721	0.000993146	0.000993146	4.96573E-06	0.007154441	0.001033828	0.009898764	0.015852023	4.96573E-06	13.55145073	1.8819E-05	0.00021751
2032 Aug	44.63647079	0.033323929	0.008256803	0.001012665	9.142912865	0.027368063	3.285069942	0.001012665	0.001012665	5.06332E-06	0.007212002	0.001056018	0.010114161	0.016099356	5.06332E-06	13.77247047	1.85956E-05	0.000218855
2032 Sep	45.33797836	0.034509115	0.008324385	0.00102728	9.333967209	0.028134454	3.355597734	0.00102728	0.00102728	5.1364E-06	0.007302287	0.001072084	0.010321535	0.016327135	5.1364E-06	13.99668407	1.86364E-05	0.000221667
2032 Oct	45.62594986	0.035512287	0.008330628	0.001032129	9.419703484	0.028454809	3.391387701	0.001032129	0.001032129	5.16064E-06	0.007351574	0.001077851	0.010387319	0.016418112	5.16064E-06	14.08697605	1.86909E-05	0.000222545
2032 Nov	45.66562653	0.036044523	0.008308053	0.001031955	9.444809914	0.028570142	3.403594255	0.001031955	0.001031955	5.15977E-06	0.007359824	0.001078122	0.010396495	0.01642425	5.15977E-06	14.10011482	1.86663E-05	0.0002224
2032 Dec	45.56096649	0.036511458	0.008256326	0.001028415	9.441703796	0.028603956	3.40594101	0.001028415	0.001028415	5.14207E-06	0.007344993	0.00107492	0.010372826	0.016377687	5.14207E-06	14.06877327	1.85788E-05	0.000221519
2033 Jan	45.57265472	0.036533393	0.008258988	0.001028432	9.445170403	0.028606396	3.407193422	0.001028432	0.001028432	5.14216E-06	0.007345211	0.001075122	0.010372937	0.016383739	5.14216E-06	14.07367897	1.85788E-05	0.000221568
2033 Feb	45.592453	0.03655092	0.008264227	0.001028578	9.450169563	0.028609414	3.408903122	0.001028578	0.001028578	5.14289E-06	0.007346088	0.001075509	0.010373984	0.016393615	5.14289E-06	14.08152485	1.85817E-05	0.000221664
2033 Mar	45.64226151	0.036591753	0.008274156	0.001029538	9.460982323	0.028635534	3.41275239	0.001029538	0.001029538	5.14769E-06	0.00735285	0.00107664	0.01038343	0.016413029	5.14769E-06	14.09785271	1.85992E-05	0.000221906
2033 Apr	45.86192703	0.036768381	0.008314491	0.001034399	9.50679493	0.028770417	3.42924881	0.001034399	0.001034399	5.17199E-06	0.007387516	0.001081796	0.010432324	0.016492879	5.17199E-06	14.16624165	1.86871E-05	0.000222974
2033 May	50.04619598	0.039849304	0.009636404	0.001038723	10.59945583	0.028207185	3.787852526	0.001038723	0.001038723	5.19362E-06	0.007377553	0.001155147	0.01033286	0.018828345	5.19362E-06	15.96915913	1.90437E-05	0.000244417
2033 Jun	52.8415184	0.040559717	0.011016609	0.000978813	11.42199612	0.025049286	4.024808407	0.000978813	0.000978813	4.89407E-06	0.006907152	0.001184511	0.009509623	0.020976081	4.89407E-06	17.51813698	1.86444E-05	0.00026123
2033 Jul	53.68284988	0.040590517	0.011158532	0.001006838	11.56328487	0.025794724	4.077716827	0.001006838	0.001006838	5.03419E-06	0.007087365	0.001209058	0.00976348	0.021247299	5.03419E-06	17.74530983	1.90924E-05	0.00026517
2033 Aug	55.86952972	0.04212838	0.011585801	0.00105172	12.04174805	0.027120655	4.249956608	0.00105172	0.00105172	5.2586E-06	0.007379006	0.00126165	0.010190432	0.022110337	5.2586E-06	18.46471024	1.97753E-05	0.000275321
2033 Sep	54.72010803	0.044860717	0.011040968	0.001034143	11.90936947	0.027824648	4.22873354	0.001034143	0.001034143	5.17071E-06	0.007303838	0.001234491	0.010164747	0.021475742	5.17071E-06	18.03155899	1.90614E-05	0.000266949
2033 Oct	51.80254364	0.05101338	0.009810252	0.000983196	11.50217724	0.028643018	4.147547722	0.000983196	0.000983196	4.91598E-06	0.007117909	0.001163543	0.00988428	0.019986207	4.91598E-06	16.95736504	1.77071E-05	0.000246764
2033 Nov	51.73351288	0.052311242	0.00969455	0.000982555	11.52326298	0.02897281	4.165084362	0.000982555	0.000982555	4.91278E-06	0.007140953	0.001161173	0.009912909	0.019904507	4.91278E-06	16.91674042	1.76295E-05	0.000245484
2033 Dec	51.74982834	0.052342594	0.009696491	0.000982873	11.52729225	0.028985951	4.166648865	0.000982873	0.000982873	4.91436E-06	0.007143559	0.00116153	0.00991649	0.019910187	4.91436E-06	16.92187881	1.76344E-05	0.000245551
2034 Jan	51.75580978	0.052352767	0.009697821	0.0009829	11.52898884	0.028987547	4.167261124	0.0009829	0.0009829	4.9145E-06	0.007143789	0.001161639	0.009916729	0.019913154	4.9145E-06	16.92429733	1.76348E-05	0.000245577
2034 Feb	51.76381683	0.052359633	0.009700118	0.000982931	11.53108311	0.028987819	4.167967319	0.000982931	0.000982931	4.91466E-06	0.007143923	0.001161789	0.009916826	0.019917415	4.91466E-06	16.92763329	1.76355E-05	0.000245616
2034 Mar	51.78240204	0.052377753	0.009704035	0.000983218	11.53539181	0.028995929	4.16949749	0.000983218	0.000983218	4.91609E-06	0.007145958	0.001162189	0.009919603	0.019925211	4.91609E-06	16.93410301	1.76407E-05	0.000245705
2034 Apr	51.98796463	0.052585293	0.009742805	0.000987084	11.58128166	0.02910972	4.186068058	0.000987084	0.000987084	4.93542E-06	0.007174022	0.001166793	0.009958533	0.020004677	4.93542E-06	17.00154877	1.77101E-05	0.00024668
2034 May	53.76970673	0.053775553	0.010240542	0.001001208	12.01110744	0.029262299	4.329696178	0.001001208	0.001001208	5.00604E-06	0.007260181	0.001201586	0.01005544	0.020891432	5.00604E-06	17.70114517	1.80555E-05	0.000255777
2034 Jun	57.29909134	0.052750401	0.011787273	0.000980157	12.86334229	0.026751559	4.569551945	0.000980157	0.000980157	4.90078E-06	0.007028989	0.001256453	0.009596448	0.023185991	4.90078E-06	19.37627029	1.84009E-05	0.0002775
2034 Jul	56.57708359	0.050743766	0.011577676	0.0009991843	12.631814	0.027154183	4.494623184	0.0009991843	0.0009991843	4.95922E-06	0.007057616	0.001253221	0.009658351	0.022798875	4.95922E-06	19.0454216	1.8367E-05	0.00027321
2034 Aug	59.44860458	0.053233862	0.012137015	0.00104576	13.28013229	0.028790779	4.727248192	0.00104576	0.00104576	5.2288E-06	0.00741999	0.001319316	0.010191212	0.023941003	5.2288E-06	20.00513458	1.92116E-05	0.000286629
2034 Sep	58.2117691	0.055719454	0.011580631	0.001030357	13.09421349	0.029373409	4.688298225	0.001030357	0.001030357	5.15178E-06	0.007379268	0.001290927	0.010158882	0.023249242	5.15178E-06	19.51646423	1.8688E-05	0.000278118
2034 Oct	55.45153809	0.059211321	0.010533718	0.000990745	12.61893272	0.02983458	4.564939976	0.000990745	0.000990745	4.95373E-06	0.007224621	0.001227518	0.00994099	0.021838134	4.95373E-06	18.47286224	1.7667E-05	0.000260683
2034 Nov	55.44880295	0.059745554	0.010489607	0.000991506	12.63106155	0.029995464	4.573379993	0.000991506	0.000991506	4.95753E-06	0.007241364	0.001227265	0.009963602	0.021810025	4.95753E-06	18.46159935	1.76543E-05	0.000260298
2034 Dec	55.46790314	0.059779447	0.010492139	0.000991868	12.63572788	0.030009817	4.575169563	0.000991868	0.000991868	4.95934E-06	0.007244281	0.001227683	0.009967607	0.021816866	4.95934E-06	18.46770287	1.76601E-05	0.000260379
2035 Jan	55.47294617	0.059788071	0.010493271	0.000991888	12.63716698	0.030011101	4.575688362	0.000991888	0.000991888	4.95944E-06	0.007244457	0.001227774	0.009967784	0.021819388	4.95944E-06	18.46975517	1.76603E-05	0.0002604
2035 Feb	55.48182678	0.059795834	0.010495689	0.000991943	12.63943577	0.030012082	4.576460361	0.000991943	0.000991943	4.95972E-06	0.007244765	0.001227945	0.009968128	0.021823918	4.95972E-06	18.47333527	1.76615E-05	0.000260443
2035 Mar	55.49646378	0.059810627	0.010498862	0.000992148	12.64290524	0.03001792	4.577689648	0.000992148	0.000992148	4.96074E-06	0.007246212	0.001228255	0.009970076	0.021830244	4.96074E-06	18.47854996	1.76652E-05	0.000260513
2035 Apr	55.68919754	0.060017779	0.010535553	0.000995561	12.68688965	0.03012098	4.593599796	0.000995561	0.000995561	4.97781E-06	0.007271112	0.001232512	0.010004312	0.02190638	4.97781E-06	18.54291725	1.7726E-05	0.000261418
2035 May	56.84800339	0.061061583	0.010796835	0.001011809	12.95624638	0.030537343	4.687934875	0.001011809	0.001011809	5.05904E-06	0.007385163	0.001256993	0.010155845	0.02240965	5.05904E-06	18.95570374	1.80405E-05	0.000267061
2035 Jun	54.35641098	0.051202372	0.010916828	0.000965038	12.09977818	0.026523149	4.317246914	0.000965038	0.000965038	4.82519E-06	0.007005755	0.001198105	0.009523578	0.021605926	4.82519E-06	18.14365387	1.82768E-05	0.000263091
2035 Jul	53.70793152	0.04881914	0.010760822	0.000981301	11.81537533	0.026565747	4.212847233	0.000981301	0.000981301	4.9065E-06	0.007116205	0.001191996	0.009674095	0.02115229	4.9065E-06	17.77920723	1.87073E-05	0.000261251
2035 Aug	54.95254898	0.049933709	0.010931623	0.001010844	12.12115383	0.027830034	4.32380867	0.001010844	0.001010844	5.05422E-06	0.007277943	0.001223819	0.010025557	0.021588551	5.05422E-06	18.1770134	1.88543E-05	0.000266426
2035 Sep	52.77356339	0.052379854	0.010077744	0.000979943	11.79356575	0.028607652	4.238109112	0.000979943	0.000979943	4.89971E-06	0.007091863	0.001175597	0.009934939	0.020468345	4.89971E-06	17.37532806	1.76199E-05	0.000252242
2035 Oct	51.95353699	0.055499684	0.00961852	0.000967993	11.7111845	0.029264955	4.238316536	0.000967993	0.000967993	4.83997E-06	0.007085778	0.001155555	0.009910019	0.019984055	4.83997E-06	17.04691315	1.72153E-05	0.000245513
2035 Nov	51.17167664	0.05674611	0.009313622	0.00095516	11.58832169	0.029407602	4.209491253	0.00095516	0.00095516	4.7758E-06	0.007034237	0.001137226	0.009829386	0.01959534	4.7758E-06	16.75945091	1.6887E-05	0.000240331
2035 Dec	51.18894196	0.056799877	0.009314101	0.000955511	11.59312057	0.029427221	4.211493492	0.000955511	0.000955511	4.77756E-06	0.007037527	0.001137594	0.009833842	0.01960049	4.77756E-06	16.76459312	1.68916E-05	0.000240387
2036 Jan	51.19573212	0.056811456	0.009315705	0.000955526	11.59509182	0.029428525	4.212201595	0.000955526	0.000955526	4.77763E-06	0.007037662	0.001137714	0.009833912	0.019604022	4.77763E-06	16.76743507	1.68917E-05	0.000240416
2036 Feb	51.20497513	0.056818672	0.00931855	0.000955538	11.59755802	0.029427867	4.213022232	0.000955538	0.000955538	4.77769E-06	0.007037611	0.001137881	0.009833713	0.0196092	4.77769E-06	16.77143669	1.68922E-05	0.000240462
2036 Mar	51.2105484	0.056823205	0.009320195	0.000955555	11.59902287	0.029427836	4.213513374	0.000955555	0.000955555	4.77778E-06	0.007037661	0.001137984	0.009833714	0.019612223	4.77778E-06	16.77379036	1.68926E-05	0.000240489
2036 Apr	51.46775818	0.057096828	0.009371516	0.000959732	11.65872955	0.029552506	4.234909534	0.000959732	0.000959732	4.79866E-06	0.007067887	0.001143551	0.009875454	0.019717084	4.79866E-06	16.86181641	1.69673E-05	0.000241705
2036 May	52.48298264	0.058169018	0.00957207	0.000976683	11.89263916	0.030055858	4.318813324	0.000976683	0.000976683	4.88342E-06	0.007190911	0.00116563	0.01004546	0.020126669	4.88342E-06	17.20647812	1.72721E-05	0.000246517
2036 Jun	49.76334381	0.049752004	0.009324445	0.000959103	10.9532299	0.02756026	3.945930004	0.000959103	0.000959103	4.79552E-06	0.007056042	0.001111642	0.009770297	0.018899864	4.79552E-06	16.12545776	1.78005E-05	0.000239442
2036 Jul	48.1410141	0.045228977	0.009008292	0.00096453	10.43299198	0.027301446	3.759444237	0.00096453	0.00096453	4.82265E-06	0.007026322	0.001091729	0.009731777	0.01812182	4.82265E-06	15.44826508	1.78181E-05	0.000232145
2036 Aug	50.18810654	0.046958506	0.009369394	0.001009078	10.88578892	0.028731441	3.925314665	0.001009078	0.001009078	5.04539E-06	0.007320697	0.001141582	0.01017228	0.018896043	5.04539E-06	16.10582733	1.8456E-05	0.000241377
2036 Sep	50.23383331	0.048301272	0.009263697	0.001010573	10.95018673	0.029270617	3.956322193	0.001010573	0.001010573	5.05287E-06	0.007337296	0.001142153	0.010254777	0.018852701	5.05287E-06	16.10979843	1.8266E-05	0.000240529
2036 Oct	49.47122955	0.051188506	0.008870605	0.000993655	10.89049339	0.029696532	3.960062742	0.000993655	0.000993655	4.96827E-06	0.007285257	0.001121878	0.01016892	0.018453944	4.96827E-06	15.83773994	1.77846E-05	0.000234331
2036 Nov	49.30641937	0.051860716	0.008782289	0.000989977	10.87901211	0.029800173	3.96172142	0.000989977	0.000989977	4.94989E-06	0.007274801	0.001117457	0.010151296	0.018366266	4.94989E-06	15.77857876	1.76778E-05	0.000232958
2036 Dec	49.22839737	0.052066926	0.00874829	0.000988285	10.87027931	0.02982231	3.960532665	0.000988285	0.000988285	4.94143E-06	0.007268015	0.001115455	0.010140792	0.018328242	4.94143E-06	15.75142097	1.76336E-05	0.000232386
2037 Jan	49.23907471	0.052084185	0.008750726	0.000988334	10.87328148	0.029824961	3.961610979	0.000988334	0.000988334	4.94167E-06	0.007268408	0.00111565	0.010141198	0.018333575	4.94167E-06	15.75574684	1.76342E-05	0.000232433
2037 Feb	49.25479507	0.05209798	0.008755006	0.000988431	10.87730217	0.029826708	3.96297884	0.000988431	0.000988431	4.94215E-06	0.007268952	0.001115952	0.010141803	0.018341599	4.94215E-06	15.76208878	1.76362E-05	0.000232509
2037 Mar	49.30558395	0.05215016	0.008764847	0.000989331	10.88881969	0.029853212	3.967122078	0.000989331	0.000989331	4.94665E-06	0.007275477	0.001117074	0.010150822	0.018361703	4.94665E-06	15.77905941	1.76524E-05	0.00023275
2037 Apr	49.43331146	0.052284371	0.008788017	0.000991825	10.91719818	0.02992812	3.977431536	0.000991825	0.000991825	4.95913E-06	0.007293769	0.001119951	0.010176296	0.018409945	4.95913E-06	15.82034492	1.7697E-05	0.000233354
2037 May	53.13119507	0.053911738	0.010035257	0.000995714	11.85222816	0.029157175	4.275929928	0.000995714	0.000995714	4.97857E-06	0.007263091	0.001185755	0.010058148	0.020515624	4.97857E-06	17.42566681	1.80638E-05	0.000253018
2037 Jun	54.75721741	0.051106896	0.011152228	0.000948431	12.26417065	0.0260038	4.362401962	0.000948431	0.000948431	4.74215E-06	0.006840572	0.001201276	0.009346637	0.021992061	4.74215E-06	18.42606926	1.78635E-05	0.000265298
2037 Jul	56.06486893	0.051536079	0.011395289	0.000984426	12.50374699	0.02691339	4.448925018	0.000984426	0.000984426	4.92213E-06	0.00708387	0.001235377	0.009684207	0.022443077	4.92213E-06	18.80601311	1.8505E-05	0.000271735
2037 Aug	57.81911087	0.053072825	0.011717343	0.001019181	12.90519905	0.028060628	4.593575478	0.001019181	0.001019181	5.09591E-06	0.00730885	0.001276665	0.010041417	0.023124516	5.09591E-06	19.38635254	1.89723E-05	0.000279754
2037 Sep	58.56345367	0.054647699	0.011775514	0.001035172	13.10150528	0.028852897	4.669875145	0.001035172	0.001035172	5.17586E-06	0.007429257	0.00129345	0.010248737	0.023358079	5.17586E-06	19.61427498	1.91183E-05	0.000282609
2037 Oct	57.43476105	0.05674009	0.011292837	0.001019932	12.92529583	0.029259099	4.631631851	0.001019932	0.001019932	5.09966E-06	0.007384079	0.001267639	0.010182735	0.022753932	5.09966E-06	19.1776371	1.86685E-05	0.000274907
2037 Nov	57.36535263	0.057297952	0.011228263	0.001019638	12.92487144	0.029415375	4.636342525	0.001019638	0.001019638	5.09819E-06	0.007394673	0.001265932	0.010196621	0.022695772	5.09819E-06	19.14279175	1.86298E-05	0.000274125
2037 Dec	57.39133453	0.057340086	0.011232032	0.001020124	12.93111706	0.029433645	4.638708115	0.001020124	0.001020124	5.10062E-06	0.007398526	0.0012665	0.010201915	0.022705259	5.10062E-06	19.15115929	1.86378E-05	0.000274238
2038 Jan	57.39753342	0.057350613	0.011233358	0.001020161	12.93285084	0.02943561	4.639338017	0.001020161	0.001020161	5.10081E-06	0.007398828	0.001266616	0.010202263	0.022708258	5.10081E-06	19.15361786	1.86383E-05	0.000274264
2038 Feb	57.40507507	0.057357013	0.011235556	0.001020185	12.93483925	0.029435685	4.640007019	0.001020185	0.001020185	5.10093E-06	0.007398909	0.001266755	0.010202286	0.022712328	5.10093E-06	19.15679359	1.86389E-05	0.000274301
2038 Mar	57.41884995	0.057370164	0.011238646	0.00102037	12.93810081	0.029440681	4.641152859	0.00102037	0.00102037	5.10185E-06	0.007400198	0.001267045	0.010204016	0.02271837	5.10185E-06	19.16174889	1.86423E-05	0.000274367
2038 Apr	57.55630493	0.05750715	0.011265774	0.001022779	12.96916294	0.02950998	4.652281761	0.001022779	0.001022779	5.11389E-06	0.007417636	0.00127007	0.010228035	0.022773093	5.11389E-06	19.20782661	1.86863E-05	0.000275024
2038 May	59.26397705	0.058514114	0.011772084	0.001033077	13.38583755	0.029510815	4.789572716	0.001033077	0.001033077	5.16538E-06	0.007472991	0.001302635	0.010279123	0.023658069	5.16538E-06	19.89824104	1.89742E-05	0.000283856
2038 Jun	61.09777069	0.056183811	0.012866905	0.000996591	13.83488464	0.026787398	4.894089699	0.000996591	0.000996591	4.98295E-06	0.007134734	0.001324705	0.009692348	0.025144443	4.98295E-06	20.9262619	1.8927E-05	0.000296827
2038 Jul	63.92888641	0.058226533	0.013445522	0.00105314	14.4277401	0.028198417	5.103508472	0.00105314	0.00105314	5.2657E-06	0.007538352	0.001389213	0.010241478	0.026234828	5.2657E-06	21.84074211	2.00318E-05	0.000310951
2038 Aug	66.53786469	0.060576957	0.01393448	0.001102214	15.03251839	0.029824317	5.31946516	0.001102214	0.001102214	5.51107E-06	0.007856191	0.001449211	0.010758696	0.027257612	5.51107E-06	22.71407509	2.06897E-05	0.000323038
2038 Sep	66.29171753	0.061922606	0.013728631	0.001103379	15.01811314	0.03038346	5.326863289	0.001103379	0.001103379	5.5169E-06	0.007886766	0.001444379	0.010837285	0.027048275	5.5169E-06	22.58762169	2.05329E-05	0.000320608
2038 Oct	65.36886597	0.063415684	0.013334725	0.001093465	14.86095333	0.030745268	5.290347576	0.001093465	0.001093465	5.46732E-06	0.007865051	0.001424164	0.010806359	0.026539346	5.46732E-06	22.21848106	2.02172E-05	0.000314434
2038 Nov	65.44736481	0.063696176	0.013333142	0.00109525	14.88330173	0.030850282	5.299966335	0.00109525	0.00109525	5.47625E-06	0.007882138	0.001425865	0.010829744	0.026559729	5.47625E-06	22.24041557	2.02389E-05	0.000314663
2038 Dec	65.4568634	0.063727252	0.013333196	0.00109546	14.88594246	0.030862033	5.301084518	0.00109546	0.00109546	5.4773E-06	0.007884097	0.001426071	0.010832426	0.026562355	5.4773E-06	22.24313545	2.02415E-05	0.000314693
2039 Jan	65.46199036	0.063737296	0.013334263	0.001095479	14.88745213	0.030863663	5.301638603	0.001095479	0.001095479	5.4774E-06	0.007884285	0.001426163	0.010832613	0.026564905	5.4774E-06	22.245224	2.02417E-05	0.000314714
2039 Feb	65.46881866	0.063742988	0.013336351	0.001095485	14.88929558	0.030863212	5.302253723	0.001095485	0.001095485	5.47743E-06	0.00788423	0.001426286	0.010832446	0.026568742	5.47743E-06	22.24819374	2.02419E-05	0.000314748

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2039 Mar	65.51370239	0.063786164	0.013345872	0.001096177	14.89966011	0.030882366	5.305922508	0.001096177	0.001096177	5.48089E-06	0.007889156	0.001427249	0.010839163	0.026587538	5.48089E-06	22.26379967	2.02548E-05	0.000314964
2039 Apr	65.6725769	0.063940562	0.013378456	0.001098802	14.93588352	0.030956117	5.318809986	0.001098802	0.001098802	5.49401E-06	0.007908016	0.001430703	0.010865047	0.026652349	5.49401E-06	22.31799507	2.03033E-05	0.000315728
2039 May	66.49997711	0.064728841	0.013551172	0.001112167	15.12479496	0.03132502	5.385793209	0.001112167	0.001112167	5.56084E-06	0.00800371	0.001448607	0.010995846	0.026993185	5.56084E-06	22.60206413	2.05528E-05	0.000319722
2039 Jun	57.94120407	0.051151626	0.011763803	0.001051286	12.70475864	0.0278746	4.505566597	0.001051286	0.001051286	5.25643E-06	0.007616686	0.00127978	0.010412419	0.02284709	5.25643E-06	19.20308876	2.02777E-05	0.000284522
2039 Jul	51.32649231	0.041301567	0.010268231	0.001000018	11.03420258	0.026627021	3.93010664	0.001000018	0.001000018	5.00009E-06	0.007098286	0.001168022	0.00975474	0.019948561	5.00009E-06	16.75029945	1.86653E-05	0.000250471
2039 Aug	49.66138458	0.038223211	0.009717066	0.001005583	10.73453808	0.028325973	3.859433651	0.001005583	0.001005583	5.02791E-06	0.006879638	0.001165957	0.009646369	0.019350847	5.02791E-06	16.19509697	1.71467E-05	0.000235635
2039 Sep	50.40132141	0.040003695	0.009765916	0.001020654	10.93543053	0.029119469	3.938359737	0.001020654	0.001020654	5.10327E-06	0.007000143	0.001182047	0.009848484	0.019580495	5.10327E-06	16.42236519	1.72877E-05	0.0002384
2039 Oct	50.24914932	0.041461624	0.009628981	0.001016818	10.94447613	0.029371353	3.951667786	0.001016818	0.001016818	5.08409E-06	0.007009844	0.001176548	0.009855362	0.01946336	5.08409E-06	16.35646629	1.71802E-05	0.000236767
2039 Nov	50.36919785	0.041617606	0.009648111	0.00101922	10.97214031	0.029453777	3.962017059	0.00101922	0.00101922	5.0961E-06	0.007027704	0.001179289	0.009880227	0.019507768	5.0961E-06	16.39495659	1.72193E-05	0.0002373
2039 Dec	50.39125061	0.041648787	0.009651453	0.00101966	10.9772892	0.029469462	3.963958979	0.00101966	0.00101966	5.0983E-06	0.007031034	0.00117979	0.009884854	0.019515833	5.0983E-06	16.40200043	1.72264E-05	0.000237396
2040 Jan	50.39501572	0.041656617	0.009652294	0.00101966	10.97842598	0.029470127	3.964369297	0.00101966	0.00101966	5.0983E-06	0.007031097	0.00117985	0.00988487	0.01951777	5.0983E-06	16.40358543	1.72264E-05	0.000237412
2040 Feb	50.40152359	0.041662466	0.009654117	0.00101969	10.9801178	0.029470535	3.964942455	0.00101969	0.00101969	5.09845E-06	0.007031254	0.001179972	0.009885017	0.019521173	5.09845E-06	16.40626335	1.7227E-05	0.000237444
2040 Mar	50.44014359	0.041694637	0.009661826	0.001020417	10.98868084	0.029491276	3.968014002	0.001020417	0.001020417	5.10208E-06	0.007036234	0.00118086	0.009891979	0.019536609	5.10208E-06	16.41913605	1.72394E-05	0.000237627
2040 Apr	50.5662384	0.041799013	0.009686152	0.001022937	11.01623249	0.029563975	3.977951527	0.001022937	0.001022937	5.11469E-06	0.007053597	0.001183802	0.009916366	0.019585712	5.11469E-06	16.46035194	1.7282E-05	0.000238221
2040 May	51.9090538	0.042808637	0.010046556	0.00103476	11.33917141	0.029739205	4.086814404	0.00103476	0.00103476	5.1738E-06	0.007130994	0.001210117	0.010007704	0.02023682	5.1738E-06	16.97862244	1.75632E-05	0.000245036
2040 Jun	54.57079315	0.042479672	0.011402543	0.000989182	11.99398136	0.026295679	4.250839233	0.000989182	0.000989182	4.94591E-06	0.006832203	0.001233594	0.009404998	0.022092292	4.94591E-06	18.33417892	1.79435E-05	0.000264303
2040 Jul	55.21324921	0.042215131	0.011506459	0.001016236	12.06414032	0.026864078	4.275623322	0.001016236	0.001016236	5.08118E-06	0.00702402	0.001252578	0.009666729	0.022237135	5.08118E-06	18.46623611	1.85002E-05	0.000267959
2040 Aug	56.62221909	0.043166943	0.011751285	0.001048314	12.38506126	0.027998941	4.393995762	0.001048314	0.001048314	5.24157E-06	0.007210198	0.001289254	0.009975281	0.022787431	5.24157E-06	18.92806625	1.88209E-05	0.000273883
2040 Sep	56.79774475	0.044100359	0.011681506	0.001055227	12.46531487	0.028658582	4.426170349	0.001055227	0.001055227	5.27613E-06	0.007246466	0.001293727	0.010131285	0.022773618	5.27613E-06	18.96404648	1.86682E-05	0.000274033
2040 Oct	56.88717651	0.045550279	0.011595553	0.001057855	12.518857	0.02906809	4.455112457	0.001057855	0.001057855	5.28927E-06	0.007295458	0.00129475	0.010195348	0.022747288	5.28927E-06	18.97201347	1.86637E-05	0.000273584
2040 Nov	57.01599884	0.045811825	0.01160984	0.001060361	12.55109787	0.029175727	4.467722416	0.001060361	0.001060361	5.30181E-06	0.007316291	0.001297566	0.010223957	0.022791667	5.30181E-06	19.01246643	1.87021E-05	0.000274102
2040 Dec	57.02924728	0.045836624	0.011611467	0.001060618	12.55436134	0.029186241	4.468986034	0.001060618	0.001060618	5.30309E-06	0.007318377	0.001297857	0.010226825	0.022796324	5.30309E-06	19.01665688	1.87061E-05	0.000274157
2041 Jan	57.0363121	0.045847591	0.011612921	0.001060682	12.55623531	0.029188892	4.469665051	0.001060682	0.001060682	5.30341E-06	0.007318891	0.001297994	0.010227473	0.022799546	5.30341E-06	19.01932526	1.87071E-05	0.000274188
2041 Feb	57.04515076	0.045855377	0.011615235	0.001060752	12.55845451	0.029190393	4.470425129	0.001060752	0.001060752	5.30376E-06	0.007319317	0.001298168	0.010227993	0.022803916	5.30376E-06	19.02280426	1.87085E-05	0.000274231
2041 Mar	57.08082581	0.045884423	0.011622779	0.001061364	12.56645679	0.029207001	4.473258018	0.001061364	0.001061364	5.30682E-06	0.007323508	0.001298965	0.010233809	0.022818631	5.30682E-06	19.0349884	1.87194E-05	0.000274403
2041 Apr	57.18992615	0.045972336	0.011645154	0.001063364	12.59056091	0.029261883	4.48182869	0.001063364	0.001063364	5.31682E-06	0.007337286	0.001301439	0.010253037	0.022862505	5.31682E-06	19.07153702	1.87547E-05	0.000274927
2041 May	57.81584167	0.046464905	0.01178685	0.001072836	12.73292828	0.029498421	4.531525612	0.001072836	0.001072836	5.36418E-06	0.00740192	0.001314992	0.010340537	0.023131659	5.36418E-06	19.29192162	1.89333E-05	0.000277992
2041 Jun	52.23641586	0.038324494	0.010611595	0.001032124	11.1166544	0.026890099	3.939129353	0.001032124	0.001032124	5.16062E-06	0.007227255	0.001197366	0.010013647	0.02032014	5.16062E-06	17.02152634	1.91735E-05	0.000256714
2041 Jul	47.41193771	0.032042086	0.009553142	0.000987525	9.842690468	0.025142839	3.485570192	0.000987525	0.000987525	4.93762E-06	0.006929643	0.001101208	0.00957611	0.018068926	4.93762E-06	15.17198372	1.86052E-05	0.000235098
2041 Aug	49.36770248	0.033338472	0.009907577	0.001031875	10.26861954	0.026546663	3.640223503	0.001031875	0.001031875	5.15937E-06	0.007208392	0.001150179	0.010010768	0.018810738	5.15937E-06	15.7989006	1.91973E-05	0.000243955
2041 Sep	49.995327	0.03456524	0.009959927	0.00104507	10.43853569	0.027233545	3.704634428	0.00104507	0.00104507	5.22535E-06	0.007299012	0.001164376	0.010192471	0.019009886	5.22535E-06	15.99543953	1.92698E-05	0.000246398
2041 Oct	49.92896652	0.036305908	0.009826898	0.001042114	10.47872353	0.027594946	3.731079578	0.001042114	0.001042114	5.21057E-06	0.007313455	0.001160987	0.010207557	0.018933211	5.21057E-06	15.96396255	1.91357E-05	0.000244873
2041 Nov	50.09445953	0.036664303	0.009843505	0.00104536	10.52065754	0.027739385	3.747625828	0.00104536	0.00104536	5.2268E-06	0.007340911	0.00116459	0.010245204	0.018989112	5.2268E-06	16.01551056	1.91846E-05	0.000245525
2041 Dec	50.1171875	0.036697701	0.009846848	0.001045819	10.52593803	0.027755702	3.749620199	0.001045819	0.001045819	5.2291E-06	0.007344468	0.001165101	0.01025012	0.018997245	5.2291E-06	16.02268219	1.91923E-05	0.000245625
2042 Jan	50.12802124	0.036712356	0.009849069	0.001045947	10.52867985	0.02776017	3.750610352	0.001045947	0.001045947	5.22973E-06	0.007345422	0.001165321	0.010251374	0.01900202	5.22973E-06	16.02664375	1.91945E-05	0.000245674
2042 Feb	50.13537979	0.036719166	0.00985116	0.001045973	10.53062534	0.027760457	3.751269341	0.001045973	0.001045973	5.22987E-06	0.007345536	0.001165457	0.010251448	0.019005939	5.22987E-06	16.0297184	1.91951E-05	0.00024571
2042 Mar	50.16016388	0.036738086	0.00985638	0.001046421	10.53604889	0.02777211	3.753182411	0.001046421	0.001046421	5.2321E-06	0.007348641	0.001166014	0.010255736	0.019015949	5.2321E-06	16.03803635	1.92034E-05	0.000245831
2042 Apr	50.39074707	0.036907412	0.00990189	0.001051191	10.58460712	0.027898597	3.770469427	0.001051191	0.001051191	5.25596E-06	0.007382122	0.001171363	0.010302436	0.019103717	5.25596E-06	16.11198616	1.92909E-05	0.000246961
2042 May	51.56476593	0.037791405	0.010171808	0.001068898	10.84921741	0.02831799	3.862326145	0.001068898	0.001068898	5.34449E-06	0.007503778	0.001196651	0.010465525	0.019608695	5.34449E-06	16.52495384	1.96383E-05	0.000252785
2042 Jun	48.61782837	0.033274189	0.009634239	0.001037198	10.00636196	0.026454026	3.546955109	0.001037198	0.001037198	5.18599E-06	0.007341128	0.001130904	0.010172282	0.018213449	5.18599E-06	15.37826252	1.96942E-05	0.000242087
2042 Jul	46.15743637	0.029572569	0.0090801	0.00101959	9.368556976	0.025934819	3.326811314	0.00101959	0.00101959	5.09795E-06	0.00717138	0.001089019	0.009938678	0.017116703	5.09795E-06	14.45113754	1.92082E-05	0.000229691
2042 Aug	44.9778862	0.029787425	0.008608583	0.001000777	9.300107956	0.027123695	3.311111212	0.001000777	0.001000777	5.00389E-06	0.00688641	0.001069893	0.009950587	0.016603479	5.00389E-06	14.10894489	1.75134E-05	0.000220395
2042 Sep	44.81959534	0.031826284	0.008373288	0.000994929	9.405304909	0.028094437	3.355633736	0.000994929	0.000994929	4.97464E-06	0.006813355	0.001064345	0.010087088	0.016441999	4.97464E-06	14.06800556	1.67483E-05	0.000217775
2042 Oct	44.67840958	0.034271967	0.008195181	0.000987322	9.451854706	0.02843949	3.389003277	0.000987322	0.000987322	4.93661E-06	0.006816437	0.001057551	0.010060449	0.01633881	4.93661E-06	14.01924133	1.6559E-05	0.000215479
2042 Nov	44.8266983	0.03449221	0.008216035	0.000990412	9.486413956	0.028552016	3.402089357	0.000990412	0.000990412	4.95206E-06	0.006840088	0.001060918	0.010094056	0.016390892	4.95206E-06	14.06558609	1.66082E-05	0.000216127
2042 Dec	44.84252167	0.034517597	0.008218147	0.000990738	9.490156174	0.028564345	3.403518677	0.000990738	0.000990738	4.95369E-06	0.00684263	0.001061274	0.010097645	0.016396409	4.95369E-06	14.07052803	1.66134E-05	0.000216195
2043 Jan	44.84846878	0.034527298	0.008219426	0.000990779	9.491780281	0.028566184	3.404105902	0.000990779	0.000990779	4.9539E-06	0.006842972	0.001061386	0.010098028	0.01639924	4.9539E-06	14.07284927	1.66141E-05	0.000216221
2043 Feb	44.85467148	0.034532942	0.00822118	0.000990805	9.493403435	0.028566457	3.404656172	0.000990805	0.000990805	4.95402E-06	0.006843095	0.001061501	0.010098116	0.01640252	4.95402E-06	14.07542133	1.66147E-05	0.000216251
2043 Mar	44.866436	0.034542475	0.008223674	0.000991003	9.496063232	0.028571943	3.40559268	0.000991003	0.000991003	4.95502E-06	0.00684444	0.001061762	0.010100051	0.016407376	4.95502E-06	14.07945633	1.66181E-05	0.000216308
2043 Apr	45.06385422	0.034694735	0.008260052	0.000995329	9.53794384	0.028696515	3.42060256	0.000995329	0.000995329	4.97664E-06	0.006874299	0.001066425	0.010144084	0.016479883	4.97664E-06	14.14160252	1.66907E-05	0.00021726
2043 May	46.45312881	0.035760842	0.008598455	0.001012802	9.861205101	0.029082153	3.531690598	0.001012802	0.001012802	5.06401E-06	0.006991877	0.001095332	0.010298858	0.017107695	5.06401E-06	14.64972878	1.70436E-05	0.000224175
2043 Jun	50.40620804	0.037399039	0.010191648	0.000985118	10.8544817	0.026417408	3.832047939	0.000985118	0.000985118	4.92559E-06	0.00681233	0.001150883	0.009769779	0.01959873	4.92559E-06	16.49362946	1.76243E-05	0.000247562
2043 Jul	51.3757019	0.037224229	0.010340759	0.001021432	11.01339722	0.027463309	3.894922495	0.001021432	0.001021432	5.10716E-06	0.007030975	0.001182397	0.010078857	0.019912705	5.10716E-06	16.74902344	1.81176E-05	0.000251609
2043 Aug	52.86081314	0.038537409	0.01055224	0.00105618	11.37459946	0.028912755	4.02571106	0.00105618	0.00105618	5.2809E-06	0.007224713	0.00122002	0.010488027	0.020437438	5.2809E-06	17.22445679	1.83211E-05	0.000257879
2043 Sep	52.83456421	0.039463151	0.01043063	0.001058137	11.42622566	0.029536426	4.04799509	0.001058137	0.001058137	5.29069E-06	0.007220248	0.001219696	0.01060929	0.020347014	5.29069E-06	17.20158195	1.80113E-05	0.000256862
2043 Oct	52.54898834	0.042584516	0.010146205	0.001051386	11.45206833	0.030114345	4.081121922	0.001051386	0.001051386	5.25693E-06	0.007249374	0.001209999	0.010614421	0.020126183	5.25693E-06	17.07584	1.78057E-05	0.000253306
2043 Nov	52.23575974	0.045239002	0.009886838	0.001044219	11.46020794	0.030578107	4.104770184	0.001044219	0.001044219	5.2211E-06	0.007265602	0.00120008	0.010605642	0.019909536	5.2211E-06	16.94548035	1.76052E-05	0.000249905
2043 Dec	52.25172424	0.045281462	0.0098879	0.001044529	11.46446228	0.030593786	4.106496811	0.001044529	0.001044529	5.22265E-06	0.007268407	0.00120042	0.010609419	0.019914666	5.22265E-06	16.95037842	1.76096E-05	0.000249963
2044 Jan	52.26238251	0.04529817	0.009890159	0.001044616	11.46731853	0.030597389	4.107531548	0.001044616	0.001044616	5.22308E-06	0.007269105	0.001200624	0.010610245	0.019919643	5.22308E-06	16.95446968	1.76111E-05	0.00025001
2044 Feb	52.29057312	0.04532288	0.009896506	0.001045009	11.47395325	0.030608077	4.109852314	0.001045009	0.001045009	5.22505E-06	0.007271748	0.001201225	0.010613947	0.019931972	5.22505E-06	16.96458435	1.7618E-05	0.000250145
2044 Mar	52.33624268	0.04536261	0.009905698	0.00104583	11.48421669	0.030631654	4.113499165	0.00104583	0.00104583	5.22915E-06	0.007277405	0.001202249	0.010622121	0.019950241	5.22915E-06	16.97992516	1.7632E-05	0.000250364
2044 Apr	52.44086456	0.04545337	0.009925805	0.001047869	11.50730896	0.030691132	4.121753693	0.001047869	0.001047869	5.23935E-06	0.007291567	0.001204639	0.010642746	0.019990599	5.23935E-06	17.01416016	1.76665E-05	0.000250865
2044 May	53.23403931	0.046127815	0.010084363	0.00106254	11.68356228	0.031107228	4.184366703	0.00106254	0.00106254	5.3127E-06	0.007393233	0.001222514	0.01078924	0.020304112	5.3127E-06	17.27805519	1.79202E-05	0.000254688
2044 Jun	49.09326553	0.03849991	0.009545834	0.001002109	10.47439766	0.027359825	3.721811056	0.001002109	0.001002109	5.01054E-06	0.00704979	0.001126868	0.010087003	0.01856452	5.01054E-06	15.76513195	1.80577E-05	0.000240724
2044 Jul	49.35002136	0.037359115	0.009592338	0.001027721	10.40718174	0.027605519	3.694161892	0.001027721	0.001027721	5.1386E-06	0.007248316	0.001137466	0.010328548	0.018506045	5.1386E-06	15.72777557	1.87698E-05	0.00024341
2044 Aug	52.0434227	0.039462261	0.010085325	0.001085477	10.99357605	0.029360261	3.903502703	0.001085477	0.001085477	5.42738E-06	0.007635013	0.001201021	0.010930693	0.019503942	5.42738E-06	16.58674812	1.96535E-05	0.000256259
2044 Sep	51.01724625	0.041094836	0.009652925	0.001064878	10.90550518	0.02995003	3.88498354	0.001064878	0.001064878	5.32439E-06	0.007472691	0.00117683	0.010895252	0.018997159	5.32439E-06	16.24961281	1.86663E-05	0.000249009
2044 Oct	50.69456863	0.04355491	0.009414048	0.001055619	10.91585541	0.030332884	3.908068419	0.001055619	0.001055619	5.2781E-06	0.007464234	0.001166784	0.010854598	0.018807601	5.2781E-06	16.13274002	1.84076E-05	0.000245554
2044 Nov	50.75318909	0.044180647	0.009387317	0.001056306	10.94525814	0.030489016	3.922668695	0.001056306	0.001056306	5.28153E-06	0.007481074	0.001167582	0.010873127	0.018814666	5.28153E-06	16.14841461	1.83992E-05	0.00024544
2044 Dec	50.76702499	0.044207714	0.009388895	0.00105658	10.94867992	0.03050049	3.924001455	0.00105658	0.00105658	5.2829E-06	0.007483329	0.001167886	0.010876248	0.018819414	5.2829E-06	16.15274048	1.84034E-05	0.000245497
2045 Jan	50.77147293	0.044216789	0.009389929	0.001056576	10.95004177	0.030501155	3.924496889	0.001056576	0.001056576	5.28288E-06	0.007483347	0.00116796	0.010876144	0.018821811	5.28288E-06	16.15466309	1.84033E-05	0.000245515
2045 Feb	50.77763367	0.044222306	0.009391811	0.001056578	10.95171452	0.03050068	3.92505765	0.001056578	0.001056578	5.28289E-06	0.007483293	0.001168069	0.010875961	0.018825287	5.28289E-06	16.15735054	1.84035E-05	0.000245545
2045 Mar	50.80886459	0.04424959	0.009397992	0.00105716	10.95863914	0.030517163	3.927518129	0.00105716	0.00105716	5.2858E-06	0.007487372	0.00116877	0.01088183	0.018837517	5.2858E-06	16.16768646	1.84137E-05	0.000245696
2045 Apr	50.91135788	0.044338901	0.00941718	0.001059254	10.98085308	0.030577423	3.935467482	0.001059254	0.001059254	5.29627E-06	0.007502176	0.001171117	0.010903314	0.018875889	5.29627E-06	16.20052719	1.84502E-05	0.000246191
2045 May	51.5714798	0.04491378	0.009539386	0.001072971	11.1232748	0.030973323	3.986504793	0.001072971	0.001072971	5.36486E-06	0.007599324	0.001186298	0.011044487	0.019120794	5.36486E-06	16.41068077	1.86892E-05	0.000249384
2045 Jun	47.97146225	0.038373828	0.008936214	0.001039395	10.04728603	0.02857504	3.585308552	0.001039395	0.001039395	5.19698E-06	0.007420746	0.001110398	0.01065159	0.017455554	5.19698E-06	15.00361061	1.89234E-05	0.000236355
2045 Jul	47.28970718	0.035589151	0.008836242	0.001052296	9.727192879	0.028202657	3.464591503	0.001052296	0.001052296	5.26148E-06	0.007525791	0.00110186	0.010731784	0.017022399	5.26148E-06	14.63520908	1.95139E-05	0.000235065
2045 Aug	48.91129684	0.036883011	0.009105009	0.001089675	10.08792496	0.029470088	3.594602823	0.001089675	0.001089675	5.44837E-06	0.007763935	0.00114154	0.011136365	0.017602185	5.44837E-06	15.14440727	1.99777E-05	0.000242508
2045 Sep	49.04375839	0.038215827	0.009028358	0.001090694	10.18319798	0.030033147	3.634952068	0.001090694	0.001090694	5.45347E-06	0.007765149	0.001143838	0.011219318	0.017614581	5.45347E-06	15.19342327	1.9721E-05	0.000242041
2045 Oct	49.34120178	0.039075308	0.009045093	0.001096135	10.26562786	0.030333756	3.668689728	0.001096135	0.001096135	5.48067E-06	0.007815804	0.001150073	0.011287058	0.017711515	5.48067E-06	15.28622246	1.97928E-05	0.000243059
2045 Nov	49.44860077	0.039178692	0.009063671	0.001098486	10.28857613	0.030403242	3.677016497	0.001098486	0.001098486	5.49243E-06	0.007832921	0.001152556	0.011311617	0.017749777	5.49243E-06	15.31951523	1.98345E-05	0.000243575
2045 Dec	49.47184372	0.039207112	0.009067326	0.001098984	10.29374218	0.03041942	3.678931236	0.001098984	0.001098984	5.49492E-06	0.007836659	0.001153087	0.011316929	0.017757962	5.49492E-06	15.32672501	1.9843E-05	0.000243682
2046 Jan	49.47847366	0.039216161	0.009068687	0.001099061	10.29542446	0.030422142	3.679538965	0.001099061	0.001099061	5.4953E-06	0.007837237	0.001153221	0.011317685	0.017760891	5.4953E-06	15.32915592	1.98443E-05	0.000243712

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2046 Feb	49.48693466	0.039223403	0.009070712	0.001099162	10.29744434	0.030424638	3.680238008	0.001099162	0.001099162	5.49581E-06	0.007837909	0.001153396	0.011318593	0.017764745	5.49581E-06	15.33228111	1.98462E-05	0.000243753
2046 Mar	49.53840256	0.039264493	0.009080406	0.001100258	10.3082962	0.030454803	3.684103966	0.001100258	0.001100258	5.50129E-06	0.007845696	0.001154584	0.011329804	0.017783666	5.50129E-06	15.34850407	1.98661E-05	0.000244007
2046 Apr	49.75313568	0.039434861	0.009119915	0.001105	10.35306072	0.030585973	3.700095177	0.001105	0.001105	5.525E-06	0.007879497	0.001159581	0.011378594	0.017861009	5.525E-06	15.4151926	1.99517E-05	0.000245064
2046 May	50.56954193	0.040074818	0.009289083	0.001120017	10.53075981	0.030977728	3.762556791	0.001120017	0.001120017	5.60009E-06	0.007985161	0.001177784	0.011527475	0.018183891	5.60009E-06	15.68607998	2.02328E-05	0.000249107
2046 Jun	46.55249405	0.03331155	0.008730283	0.001056237	9.424108505	0.027615223	3.344629526	0.001056237	0.001056237	5.28118E-06	0.007585513	0.001086526	0.010786397	0.016564835	5.28118E-06	14.26877594	1.99873E-05	0.000234056
2046 Jul	43.20191956	0.028099682	0.008121986	0.001015549	8.542222023	0.02585857	3.027569532	0.001015549	0.001015549	5.07775E-06	0.007283763	0.001020288	0.010280149	0.015174993	5.07775E-06	13.06404305	1.94798E-05	0.000218958
2046 Aug	44.6085434	0.029186601	0.008339142	0.001049432	8.864221573	0.027114488	3.144548655	0.001049432	0.001049432	5.24716E-06	0.007485246	0.001056092	0.010652062	0.015674634	5.24716E-06	13.50641441	1.97986E-05	0.000225104
2046 Sep	44.21722031	0.0315377	0.008071829	0.001033109	8.93645668	0.027780315	3.183330059	0.001033109	0.001033109	5.16554E-06	0.007356281	0.001044406	0.010628589	0.015493835	5.16554E-06	13.42230892	1.89342E-05	0.000220755
2046 Oct	44.09033203	0.03500073	0.007846632	0.001021106	9.035843849	0.028303588	3.24251914	0.001021106	0.001021106	5.10553E-06	0.007335259	0.0010369	0.010568735	0.01541673	5.10553E-06	13.40221024	1.85588E-05	0.000217551
2046 Nov	44.16614532	0.03559874	0.007829547	0.001021494	9.070303917	0.028443517	3.258435726	0.001021494	0.001021494	5.10747E-06	0.007347886	0.001038001	0.010582466	0.015438298	5.10747E-06	13.42804337	1.85421E-05	0.000217536
2046 Dec	44.18804169	0.035631876	0.007832549	0.001021961	9.075345993	0.028460249	3.260349274	0.001021961	0.001021961	5.10981E-06	0.007351529	0.001038496	0.010587585	0.01544581	5.10981E-06	13.43478298	1.85499E-05	0.000217633
2047 Jan	44.19556808	0.035643756	0.007834173	0.001022015	9.077396393	0.028462663	3.261090755	0.001022015	0.001022015	5.11008E-06	0.007351955	0.001038639	0.010588082	0.015449401	5.11008E-06	13.43772125	1.85507E-05	0.000217666
2047 Feb	44.20698929	0.035653688	0.007836998	0.001022135	9.080173492	0.028465515	3.262048244	0.001022135	0.001022135	5.11068E-06	0.007352737	0.001038871	0.010589111	0.01545476	5.11068E-06	13.44203758	1.8553E-05	0.000217721
2047 Mar	44.28714371	0.035718732	0.007851645	0.001023909	9.096874237	0.028514665	3.268025875	0.001023909	0.001023909	5.11955E-06	0.007365458	0.001040735	0.010607375	0.015483528	5.11955E-06	13.46687126	1.85853E-05	0.000218116
2047 Apr	44.38577271	0.035798505	0.007869381	0.001026145	9.117267609	0.028576765	3.275339842	0.001026145	0.001026145	5.13072E-06	0.007381512	0.001043041	0.010630465	0.015518437	5.13072E-06	13.49712658	1.86259E-05	0.000218601
2047 May	45.946064	0.036960192	0.008330774	0.001032865	9.512354851	0.028550664	3.407082796	0.001032865	0.001032865	5.16433E-06	0.007415763	0.00107205	0.01064819	0.016346436	5.16433E-06	14.14189148	1.88321E-05	0.000226473
2047 Jun	50.66992188	0.039249931	0.010199621	0.000993045	10.80570889	0.025875621	3.811385155	0.000993045	0.000993045	4.96522E-06	0.007066957	0.001143109	0.009936804	0.019452279	4.96522E-06	16.43721962	1.87938E-05	0.00025202
2047 Jul	52.56390762	0.040115837	0.010566324	0.001040596	11.16075516	0.02700939	3.936818361	0.001040596	0.001040596	5.20298E-06	0.007402667	0.001189369	0.010399708	0.020112526	5.20298E-06	16.9987793	1.97226E-05	0.000261731
2047 Aug	54.49900055	0.041740406	0.01090342	0.001081655	11.59969711	0.02839563	4.093076706	0.001081655	0.001081655	5.40828E-06	0.007665553	0.001235034	0.010853625	0.020823194	5.40828E-06	17.62125206	2.02408E-05	0.000270782
2047 Sep	53.78258133	0.043047652	0.010564735	0.001070441	11.54236698	0.029023079	4.084187031	0.001070441	0.001070441	5.3522E-06	0.007571032	0.001219372	0.010874404	0.020437889	5.3522E-06	17.37059212	1.95319E-05	0.000265416
2047 Oct	53.13362122	0.045394517	0.01023578	0.001056857	11.48464203	0.029370692	4.085375786	0.001056857	0.001056857	5.28429E-06	0.007532081	0.001202733	0.010796098	0.020102782	5.28429E-06	17.13706398	1.91542E-05	0.000260128
2047 Nov	53.0773201	0.046090309	0.010172645	0.001055564	11.49363804	0.029520676	4.094145775	0.001055564	0.001055564	5.27782E-06	0.007537701	0.001200959	0.01079839	0.020058515	5.27782E-06	17.11269379	1.9097E-05	0.000259312
2047 Dec	53.09990311	0.046125669	0.010175865	0.00105601	11.49897575	0.029537069	4.096164703	0.00105601	0.00105601	5.28005E-06	0.007541196	0.001201459	0.010803275	0.020066561	5.28005E-06	17.11984444	1.91043E-05	0.000259411
2048 Jan	53.11351395	0.046142973	0.010178625	0.001056189	11.50233555	0.029543024	4.097375393	0.001056189	0.001056189	5.28094E-06	0.00754252	0.001201741	0.010805055	0.020072414	5.28094E-06	17.12472153	1.91074E-05	0.000259473
2048 Feb	53.13526535	0.04616205	0.010183515	0.001056497	11.50740337	0.02955112	4.099144936	0.001056497	0.001056497	5.28249E-06	0.00754464	0.001202202	0.010807987	0.020081831	5.28249E-06	17.13246727	1.91131E-05	0.000259579
2048 Mar	53.1413269	0.046167415	0.010185067	0.00105655	11.50890827	0.029552324	4.099661827	0.00105655	0.00105655	5.28275E-06	0.007544976	0.001202323	0.010808414	0.020084769	5.28275E-06	17.13481522	1.91141E-05	0.000259609
2048 Apr	53.3314743	0.046332963	0.010222907	0.001060091	11.5507803	0.029650338	4.114508152	0.001060091	0.001060091	5.30046E-06	0.007570102	0.001206566	0.010844208	0.020158948	5.30046E-06	17.19754219	1.91784E-05	0.000260537
2048 May	54.12185287	0.047019675	0.010375137	0.001075679	11.72231007	0.030085737	4.175572872	0.001075679	0.001075679	5.37839E-06	0.007681332	0.001224416	0.011003438	0.020458994	5.37839E-06	17.45313454	1.94606E-05	0.000264398
2048 Jun	48.88043594	0.038552128	0.009402996	0.001024533	10.23782921	0.027169343	3.630954981	0.001024533	0.001024533	5.12266E-06	0.007373026	0.001116128	0.01043608	0.018056117	5.12266E-06	15.43773842	1.93562E-05	0.000243516
2048 Jul	45.48543549	0.032349575	0.00874216	0.001003069	9.254550934	0.025735172	3.277003288	0.001003069	0.001003069	5.01534E-06	0.007212167	0.001054191	0.010131096	0.016487731	5.01534E-06	14.10595798	1.9283E-05	0.000229018
2048 Aug	46.30366516	0.033205748	0.00879925	0.001024855	9.496907234	0.027045144	3.367731333	0.001024855	0.001024855	5.12428E-06	0.007290409	0.001078336	0.010417841	0.016768921	5.12428E-06	14.37785244	1.90678E-05	0.000231398
2048 Sep	46.22201538	0.034935609	0.008632287	0.001020711	9.579659462	0.02773235	3.406652689	0.001020711	0.001020711	5.10356E-06	0.00725003	0.0010755	0.010483848	0.016684014	5.10356E-06	14.36243534	1.85737E-05	0.000229323
2048 Oct	45.95318985	0.037370961	0.008419979	0.001010204	9.610120773	0.028083561	3.435947418	0.001010204	0.001010204	5.05102E-06	0.007225286	0.00106644	0.010425165	0.016542783	5.05102E-06	14.2798996	1.82683E-05	0.000226082
2048 Nov	46.03246689	0.038436707	0.008372992	0.001010212	9.659403801	0.028326496	3.460510731	0.001010212	0.001010212	5.05106E-06	0.007244362	0.001067215	0.01044402	0.016554551	5.05106E-06	14.30491257	1.8225E-05	0.000225748
2048 Dec	46.05101776	0.038469817	0.008375284	0.001010589	9.663872719	0.028341336	3.462233305	0.001010589	0.001010589	5.05295E-06	0.007247399	0.001067627	0.010448245	0.016560929	5.05295E-06	14.31068516	1.8231E-05	0.000225826
2049 Jan	46.05990219	0.038483635	0.008377182	0.001010659	9.666268349	0.028344326	3.46310091	0.001010659	0.001010659	5.0533E-06	0.007247947	0.001067798	0.010448898	0.016565116	5.0533E-06	14.31412029	1.82321E-05	0.000225865
2049 Feb	46.06945038	0.038492151	0.0083798	0.001010713	9.668727875	0.028345261	3.463937759	0.001010713	0.001010713	5.05357E-06	0.007248242	0.00106798	0.010449209	0.016570034	5.05357E-06	14.31799984	1.82332E-05	0.000225911
2049 Mar	46.10355377	0.03852094	0.008386484	0.001011376	9.676133156	0.02836355	3.466566801	0.001011376	0.001011376	5.05688E-06	0.00725295	0.001068749	0.010455932	0.016583107	5.05688E-06	14.32909584	1.82453E-05	0.000226078
2049 Apr	46.26312256	0.038654435	0.008415786	0.001014829	9.709765434	0.028460182	3.478601933	0.001014829	0.001014829	5.07414E-06	0.007277677	0.001072436	0.010491544	0.016640967	5.07414E-06	14.37897301	1.83076E-05	0.00022686
2049 May	47.02425385	0.039275877	0.008569395	0.001029212	9.875083923	0.028844507	3.53698945	0.001029212	0.001029212	5.14606E-06	0.007379643	0.001089479	0.010635761	0.016937284	5.14606E-06	14.62899017	1.85746E-05	0.000230613
2049 Jun	43.35036087	0.032063048	0.008066024	0.000983502	8.787530899	0.025830306	3.124205828	0.000983502	0.000983502	4.91751E-06	0.007104274	0.001009344	0.010075203	0.015368287	4.91751E-06	13.26333523	1.86982E-05	0.000217771
2049 Jul	41.80643845	0.028642068	0.007793495	0.000975891	8.327769279	0.025179125	2.959345102	0.000975891	0.000975891	4.87945E-06	0.007022648	0.000984348	0.009910881	0.014693477	4.87945E-06	13.12666541	1.86534E-05	0.00021093
2049 Aug	43.83951187	0.030051598	0.00814376	0.001024716	8.758348465	0.026692521	3.115129948	0.001024716	0.001024716	5.12358E-06	0.007342647	0.001034827	0.010411822	0.0154189	5.12358E-06	13.29385662	1.93588E-05	0.000220422
2049 Sep	43.87677002	0.032583952	0.007979233	0.001019086	8.889000893	0.027427081	3.175795317	0.001019086	0.001019086	5.09543E-06	0.007311663	0.001033127	0.010457234	0.01539595	5.09543E-06	13.3299675	1.88745E-05	0.000218493
2049 Oct	43.76341248	0.035606991	0.007779881	0.001008685	8.976529121	0.02790085	3.22771287	0.001008685	0.001008685	5.04343E-06	0.007292268	0.001026593	0.010408377	0.015326018	5.04343E-06	13.31142616	1.85352E-05	0.000215663
2049 Nov	43.85403061	0.036211409	0.007765464	0.001009447	9.013988495	0.028051643	3.244664669	0.001009447	0.001009447	5.04724E-06	0.007307283	0.001028059	0.0104262	0.015352601	5.04724E-06	13.34170532	1.85239E-05	0.000215723
2049 Dec	43.87571335	0.036245614	0.007768365	0.001009906	9.019023895	0.028068367	3.246583939	0.001009906	0.001009906	5.04953E-06	0.007310892	0.001028547	0.010431239	0.015360034	5.04953E-06	13.3483839	1.85315E-05	0.000215817
2050 Jan	43.88671112	0.036260683	0.007770625	0.001010032	9.021821022	0.028072855	3.247594595	0.001010032	0.001010032	5.05016E-06	0.00731184	0.001028769	0.01043248	0.015364903	5.05016E-06	13.35242271	1.85337E-05	0.000215867
2050 Feb	43.89548492	0.036268521	0.007773038	0.00101008	9.024085045	0.028073691	3.248365164	0.00101008	0.00101008	5.0504E-06	0.007312104	0.001028937	0.010432756	0.015369433	5.0504E-06	13.35599422	1.85347E-05	0.00021591
2050 Mar	43.90471649	0.036276467	0.007775138	0.001010209	9.026233673	0.02807699	3.249113798	0.001010209	0.001010209	5.05105E-06	0.007312987	0.001029132	0.010433963	0.015373458	5.05105E-06	13.35929298	1.85371E-05	0.000215955
2050 Apr	44.01777267	0.036370065	0.007795427	0.001012763	9.049619675	0.028147804	3.257518053	0.001012763	0.001012763	5.06381E-06	0.007331446	0.00103177	0.010460268	0.015413498	5.06381E-06	13.39397526	1.8584E-05	0.000216511
2050 May	44.61524963	0.036855429	0.007912003	0.001024818	9.176775932	0.028470585	3.302673578	0.001024818	0.001024818	5.12409E-06	0.007417819	0.001045338	0.01058181	0.015639069	5.12409E-06	13.58565903	1.88097E-05	0.000219461
2050 Jun	43.8181839	0.032927543	0.008134658	0.000993808	8.881176949	0.026089415	3.164862394	0.000993808	0.000993808	4.96904E-06	0.007205072	0.001020457	0.010138713	0.015545839	4.96904E-06	13.40341663	1.90024E-05	0.000219625
2050 Jul	41.60824966	0.028902704	0.007725388	0.000972018	8.306920052	0.025259795	2.962651968	0.000972018	0.000972018	4.86009E-06	0.006988969	0.000983071	0.009810156	0.01466764	4.86009E-06	12.62060452	1.849E-05	0.000208621
2050 Aug	42.7531662	0.02949352	0.007904279	0.001002701	8.562420845	0.026391743	3.060272455	0.001002701	0.001002701	5.0135E-06	0.007157146	0.001016064	0.010088755	0.015106381	5.0135E-06	12.98460293	1.87399E-05	0.000212974
2050 Sep	43.00119781	0.031367742	0.007828923	0.001003896	8.702486992	0.027073424	3.118718863	0.001003896	0.001003896	5.01948E-06	0.007165663	0.001020035	0.010186248	0.015164147	5.01948E-06	13.07857132	1.84564E-05	0.000212784
2050 Oct	43.37740326	0.032379933	0.007855253	0.001010791	8.804729462	0.027436182	3.16007781	0.001010791	0.001010791	5.05395E-06	0.007228236	0.001027962	0.010270952	0.015288839	5.05395E-06	13.19656372	1.855E-05	0.000214129
2050 Nov	43.52371979	0.032509428	0.007880593	0.001014149	8.83514595	0.02753219	3.17112422	0.001014149	0.001014149	5.07074E-06	0.007252615	0.001031402	0.010305477	0.015340192	5.07074E-06	13.24117565	1.86107E-05	0.000214837
2050 Dec	43.54295349	0.032534402	0.007883469	0.00101457	8.839426994	0.027546166	3.172727823	0.00101457	0.00101457	5.07285E-06	0.007255818	0.001031843	0.010309967	0.015346856	5.07285E-06	13.24707794	1.86179E-05	0.000214924
2051 Jan	43.55218887	0.0325455	0.007885304	0.001014705	8.841647148	0.027550494	3.173528671	0.001014705	0.001014705	5.07353E-06	0.007256815	0.001032039	0.010311318	0.015350719	5.07353E-06	13.25031185	1.86203E-05	0.000214967
2051 Feb	43.56016541	0.032552283	0.007887251	0.001014795	8.843562126	0.027552659	3.17419076	0.001014795	0.001014795	5.07398E-06	0.00725741	0.001032203	0.010312104	0.015354408	5.07398E-06	13.25329113	1.8622E-05	0.000215006
2051 Mar	43.58099747	0.032568295	0.007891296	0.001015229	8.847953796	0.027564259	3.17575264	0.001015229	0.001015229	5.07614E-06	0.00726048	0.001032683	0.010316434	0.015362229	5.07614E-06	13.25992966	1.863E-05	0.000215108
2051 Apr	43.74274445	0.032689426	0.007920741	0.001018967	8.880885124	0.027665664	3.187564373	0.001018967	0.001018967	5.09483E-06	0.007287198	0.001036508	0.010354379	0.01541952	5.09483E-06	13.30931473	1.86986E-05	0.000215907
2051 May	48.00502396	0.036241397	0.008819243	0.001090865	9.84808445	0.029676111	3.53021121	0.001090865	0.001090865	5.45433E-06	0.00777427	0.001131667	0.011040942	0.01718813	5.45433E-06	14.77419472	1.99303E-05	0.000236263
2051 Jun	124.2551956	0.098215841	0.057661597	0.002671772	26.49903107	0.053127568	13.57956982	0.002082256	0.002082256	1.04586E-05	0.014740446	0.00253264	0.02702399	0.043061737	1.04716E-05	37.04799652	4.15197E-05	0.000549714
2051 Jul	124.7308426	0.103332855	0.08571852	0.003045224	26.19013786	0.049533404	17.44091988	0.001926541	0.001926541	9.72331E-06	0.013805059	0.002314177	0.031762525	0.037025303	9.74823E-06	33.12501907	4.03857E-05	0.000491292
2051 Aug	126.9516678	0.105070718	0.092610016	0.003192535	26.54419899	0.051857203	19.09528351	0.001940131	0.001940131	9.80309E-06	0.013743325	0.002305955	0.033837885	0.035664454	9.83255E-06	32.45275879	3.95843E-05	0.000475641
2051 Sep	123.1231461	0.112298027	0.095303856	0.003149307	26.00165749	0.052846998	20.25494385	0.001808564	0.001808564	9.15434E-06	0.012836149	0.002152215	0.03436625	0.032208502	9.18664E-06	30.15539551	3.54434E-05	0.000428422
2051 Oct	116.3235779	0.135475218	0.092779614	0.002967813	25.35658646	0.055524442	21.23477936	0.001601097	0.001601097	8.1235E-06	0.011845423	0.001921458	0.033745099	0.027710799	8.15602E-06	27.16070747	2.96866E-05	0.000359463
2051 Nov	116.7367249	0.139273003	0.092534639	0.002968543	25.54160309	0.056457296	21.41184044	0.001602052	0.001602052	8.12875E-06	0.011921087	0.001922859	0.033873625	0.027686011	8.16129E-06	27.22383499	2.95455E-05	0.000357837
2051 Dec	116.833786	0.139434814	0.092576168	0.002970528	25.56369591	0.056519859	21.42951775	0.001603463	0.001603463	8.13585E-06	0.011932787	0.001924504	0.033899356	0.027709788	8.16843E-06	27.24790955	2.95684E-05	0.000358122
2052 Jan	116.8553848	0.139481634	0.09258277	0.002970811	25.56917	0.056532752	21.43385124	0.001603659	0.001603659	8.13684E-06	0.011934722	0.001924827	0.033903733	0.027715702	8.16942E-06	27.25379944	2.9571E-05	0.000358177
2052 Feb	116.8878937	0.139524519	0.092602596	0.002971421	25.5767746	0.056546077	21.43943405	0.001604003	0.001604003	8.13859E-06	0.01193735	0.001925358	0.033910852	0.027725413	8.17118E-06	27.26272774	2.95773E-05	0.000358283
2052 Mar	117.0011063	0.139658034	0.092689425	0.002974198	25.60173988	0.056598973	21.45967674	0.00160552	0.00160552	8.14628E-06	0.011948578	0.001927239	0.033942383	0.027753709	8.1789E-06	27.29003334	2.96053E-05	0.00035864
2052 Apr	117.2429886	0.13994582	0.092879452	0.002980291	25.6547718	0.056714937	21.50374994	0.001608819	0.001608819	8.16301E-06	0.011973095	0.001931232	0.034011818	0.027811892	8.1957E-06	27.34695435	2.96661E-05	0.000359387
2052 May	121.9593048	0.146109566	0.093960024	0.003017497	26.80307961	0.057975523	22.18548203	0.001642561	0.001642561	8.33252E-06	0.012251217	0.002009933	0.034503046	0.029682469	8.36585E-06	28.94569397	3.03717E-05	0.000377598
2052 Jun	129.4634552	0.140812233	0.087810539	0.002818178	28.70757866	0.051793791	21.48649597	0.001622839	0.001622839	8.22179E-06	0.011933532	0.002184205	0.031475049	0.036776643	8.24986E-06	33.903862	3.1866E-05	0.000445285
2052 Jul	131.3138123	0.134751379	0.087100558	0.002889316	28.79802322	0.053303905	21.56232643	0.001713366	0.001713366	8.67391E-06	0.012385073	0.002256281	0.031981327	0.037440524	8.7019E-06	34.35992432	3.32645E-05	0.000454918
2052 Aug	134.3185425	0.13458854	0.088199504	0.00297279	29.33826447	0.05589271	22.16594887	0.001783079	0.001783079	9.02408E-06	0.012717466	0.002326408	0.032953314	0.038128182	9.05328E-06	35.02007294	3.37196E-05	0.000461798
2052 Sep	133.2647247	0.132660553	0.087366357	0.002969021	28.98837852	0.057328977	22.53736877	0.001781592	0.001781592	9.01726E-06	0.012575662	0.002302217	0.033368029	0.037000045	9.0478E-06	34.27441406	3.25483E-05	0.00044774
2052 Oct	133.3542328	0.13424103	0.087568179	0.00297389	28.94495583	0.058196999	23.00587845	0.001775773	0.001775773	8.98954E-06	0.012547209	0.002287356	0.033785734	0.036378715	9.02143E-06	33.93739319	3.20679E-05	0.000440032
2052 Nov	133.7163544	0.134635508	0.087797754	0.002981893	29.02359772	0.058365934	23.07064438	0.001780604	0.001780604	9.01398E-06	0.012582026	0.002293495	0.033879507	0.036473885	9.04597E-06	34.02787018	3.21526E-05	0.00044118
2052 Dec	133.7716827	0.134700388	0.087826625	0.002983044	29.03562355	0.058394309	23.08044624	0.001781373	0.001781373	9.01786E-06	0.012587714	0.002294449	0.033893503	0.036488567	9.04987E-06	34.04192734	3.21656E-05	0.000441355

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2053 Jan	133.8288879	0.134758011	0.087853059	0.00298407	29.04749107	0.058420304	23.09212112	0.001782062	0.001782062	9.02133E-06	0.012592663	0.002295361	0.033907432	0.036502846	9.05337E-06	34.05594635	3.21768E-05	0.00044152
2053 Feb	133.8837585	0.134811968	0.087885134	0.00298516	29.05950546	0.058442432	23.10142136	0.001782739	0.001782739	9.02475E-06	0.012597399	0.002296301	0.033920027	0.036518916	9.0568E-06	34.07064438	3.21889E-05	0.000441705
2053 Mar	134.055481	0.134984434	0.087996393	0.002988932	29.09691238	0.058516297	23.13074303	0.001785002	0.001785002	9.0362E-06	0.012613358	0.002299254	0.033962775	0.0365666	9.0683E-06	34.11487961	3.22298E-05	0.000442277
2053 Apr	134.5897827	0.135522172	0.088346288	0.003000812	29.21295929	0.058748882	23.22274971	0.001792103	0.001792103	9.07215E-06	0.012663517	0.002308423	0.034097701	0.036712825	9.10437E-06	34.25115204	3.23581E-05	0.000444044
2053 May	152.937439	0.147414789	0.101311609	0.003179433	32.46937943	0.058454134	28.83590317	0.00179179	0.00179179	9.08892E-06	0.012702517	0.002462273	0.038139086	0.040204853	9.13509E-06	38.02392197	3.37252E-05	0.000477589
2053 Jun	156.0251312	0.136472523	0.099217378	0.002858943	32.89771652	0.045266181	29.10166168	0.001565563	0.001565563	7.9568E-06	0.011044785	0.002443462	0.034955386	0.044247553	8.00093E-06	40.70173264	3.2852E-05	0.000510423
2053 Jul	156.1031036	0.1344717	0.099392191	0.002906722	32.82627869	0.045609005	28.81777	0.001609195	0.001609195	8.1769E-06	0.011355907	0.002460997	0.035240371	0.044249032	8.21954E-06	40.65948105	3.40082E-05	0.000516062
2053 Aug	165.6637573	0.141507998	0.104245797	0.003079644	34.75866699	0.048902139	30.54833221	0.001724095	0.001724095	8.75662E-06	0.012140887	0.002619806	0.037422456	0.046956874	8.80276E-06	43.16110229	3.62121E-05	0.000548564
2053 Sep	171.6872559	0.146246463	0.107486315	0.003188294	35.98591232	0.050888561	31.66176796	0.001792745	0.001792745	9.10356E-06	0.012618922	0.002716964	0.038807962	0.04863371	9.15189E-06	44.7219429	3.75711E-05	0.000568754
2053 Oct	176.2876892	0.149543673	0.10991054	0.003262097	36.8050766	0.052179448	32.83254623	0.001833829	0.001833829	9.31135E-06	0.012925476	0.002775401	0.040001322	0.04953105	9.36327E-06	45.68689346	3.84881E-05	0.000579978
2053 Nov	180.4205017	0.152316019	0.111959405	0.003324656	37.49394989	0.053308733	33.99290848	0.001868145	0.001868145	9.48465E-06	0.013188431	0.002822985	0.041124947	0.050201509	9.54056E-06	46.47550964	3.92776E-05	0.000588695
2053 Dec	180.6208496	0.152461931	0.112063877	0.003327819	37.52902985	0.05336526	34.04584122	0.001869878	0.001869878	9.49342E-06	0.013201573	0.002825438	0.04117794	0.050238136	9.54949E-06	46.51614761	3.93165E-05	0.000589156
2054 Jan	180.7275391	0.152536243	0.112118043	0.003329407	37.54782867	0.053392645	34.07377625	0.001870744	0.001870744	9.4978E-06	0.013208061	0.002826745	0.041204967	0.050258815	9.55397E-06	46.53849792	3.93364E-05	0.000589408
2054 Feb	180.7927246	0.15258421	0.112152472	0.003330391	37.56048584	0.053408459	34.08811188	0.001871298	0.001871298	9.5006E-06	0.013211997	0.002827659	0.04121941	0.050275445	9.55681E-06	46.55450058	3.93487E-05	0.000589599
2054 Mar	180.8254852	0.152608171	0.112169579	0.003330878	37.56684113	0.053416297	34.09534836	0.001871573	0.001871573	9.502E-06	0.013213952	0.002828117	0.041226625	0.050283816	9.55822E-06	46.56255722	3.93549E-05	0.000589695
2054 Apr	181.4831696	0.153161675	0.112575889	0.003342934	37.70331573	0.053609665	34.21973038	0.00187835	0.00187835	9.5364E-06	0.013261799	0.002838383	0.041376319	0.05046656	9.59283E-06	46.73185349	3.94975E-05	0.000591836
2054 May	189.8858185	0.15849039	0.117270082	0.003462917	39.16951752	0.055218503	36.45429993	0.001935088	0.001935088	9.8258E-06	0.013679481	0.002937015	0.043480925	0.052128706	9.88869E-06	48.50125885	4.09479E-05	0.000611583
2054 Jun	173.19841	0.136378095	0.106396787	0.003083715	34.87798691	0.045754567	33.94158173	0.00170534	0.00170534	8.67191E-06	0.012132878	0.002630648	0.039905176	0.046947684	8.72895E-06	43.813797	3.80119E-05	0.000556767
2054 Jul	154.3292847	0.11631801	0.095106348	0.002911814	30.5790844	0.044010621	29.83032799	0.001672002	0.001672002	8.49268E-06	0.01187514	0.002400299	0.036973037	0.041008625	8.54093E-06	38.40781021	3.68529E-05	0.000501469
2054 Aug	154.5564423	0.114923812	0.094539434	0.002972006	30.48715401	0.04741386	30.1453228	0.001732191	0.001732191	8.794E-06	0.012116146	0.00242579	0.037922211	0.04036909	8.84359E-06	38.06068802	3.64461E-05	0.00049468
2054 Sep	153.6673431	0.115036383	0.093608454	0.002990441	30.26560974	0.0500562	30.34548378	0.001753127	0.001753127	8.89894E-06	0.012141892	0.002415849	0.038584162	0.039355062	8.9495E-06	37.44380951	3.53789E-05	0.000483681
2054 Oct	150.8034515	0.1174981	0.091952696	0.002952745	29.69899559	0.05134555	30.30433464	0.001723622	0.001723622	8.7515E-06	0.01198226	0.002355683	0.038620785	0.037733704	8.80225E-06	36.29161072	3.39803E-05	0.000464117
2054 Nov	149.5326385	0.118679836	0.09127523	0.002934852	29.46025467	0.051753469	30.24675751	0.001709085	0.001709085	8.6789E-06	0.011911735	0.002329337	0.038576741	0.037078906	8.72953E-06	35.81409454	3.34294E-05	0.000456102
2054 Dec	149.7080078	0.118857048	0.091350101	0.002938081	29.49463272	0.051839326	30.28394508	0.001711346	0.001711346	8.69029E-06	0.011928258	0.002332115	0.038623985	0.037119038	8.74101E-06	35.85520172	3.34664E-05	0.000456596
2055 Jan	149.7738037	0.118927039	0.091371313	0.002939152	29.50771713	0.051872782	30.29777908	0.001712175	0.001712175	8.69445E-06	0.011934329	0.002333169	0.038640615	0.037135005	8.74521E-06	35.87136459	3.34789E-05	0.000456784
2055 Feb	149.8026428	0.118956573	0.091380969	0.00293955	29.51375389	0.051884647	30.30342484	0.001712475	0.001712475	8.69596E-06	0.011936449	0.002333632	0.038646735	0.037143324	8.74673E-06	35.8792305	3.34834E-05	0.000456873
2055 Mar	149.8582153	0.119003512	0.091412909	0.002940572	29.52496719	0.051903676	30.31444359	0.001713079	0.001713079	8.69903E-06	0.011940656	0.002334503	0.038660318	0.037157919	8.74981E-06	35.89311218	3.34949E-05	0.000457045
2055 Apr	150.2780609	0.119337291	0.091667809	0.002948768	29.60786247	0.052048493	30.39901543	0.001717864	0.001717864	8.72332E-06	0.01197399	0.002341056	0.03876796	0.037262816	8.77426E-06	35.99417114	3.35885E-05	0.000458331
2055 May	152.0927429	0.120778434	0.092774227	0.002984359	29.96546745	0.052676734	30.76592255	0.001738603	0.001738603	8.82864E-06	0.012118539	0.002369331	0.039235808	0.037713148	8.88018E-06	36.42904282	3.3994E-05	0.000463869
2055 Jun	121.6081085	0.090380192	0.076504342	0.002647839	22.72497559	0.044605944	24.87046814	0.001583706	0.001583706	8.04188E-06	0.011424171	0.00189437	0.034720208	0.027061492	8.08186E-06	27.0689106	3.32401E-05	0.000373108
2055 Jul	110.499382	0.076939002	0.070291266	0.002584862	20.32829475	0.042477004	21.68242073	0.00159713	0.00159713	8.10403E-06	0.011575312	0.001776418	0.03277193	0.024173677	8.13579E-06	24.1762352	3.42999E-05	0.000354458
2055 Aug	115.7368088	0.079544351	0.072448254	0.002715013	21.27659798	0.045478012	22.52169609	0.001701656	0.001701656	8.62964E-06	0.012270114	0.001881673	0.034314215	0.025500925	8.6629E-06	25.43179321	3.60745E-05	0.00037324
2055 Sep	117.0852432	0.081146948	0.072092876	0.002751984	21.63081741	0.047891688	22.7365284	0.001743215	0.001743215	8.83747E-06	0.012459804	0.001919652	0.034900431	0.025824755	8.8713E-06	25.79973221	3.58543E-05	0.000376279
2055 Oct	118.1855316	0.083092406	0.072403789	0.002771752	21.87216187	0.048823345	23.01613617	0.001757643	0.001757643	8.91042E-06	0.012564312	0.001936825	0.035262901	0.026019983	8.94489E-06	26.03879929	3.59104E-05	0.000378089
2055 Nov	118.7681274	0.083827205	0.072614692	0.002782574	21.98550606	0.049185351	23.15402603	0.001765427	0.001765427	8.94971E-06	0.012622496	0.001945816	0.03544119	0.026131395	8.98451E-06	26.16487885	3.60112E-05	0.000379431
2055 Dec	118.8646088	0.083941676	0.072656445	0.002784321	22.00345612	0.049238678	23.17927551	0.001766542	0.001766542	8.95536E-06	0.012630896	0.00194716	0.035471633	0.026147431	8.99023E-06	26.18416977	3.60263E-05	0.000379623
2056 Jan	118.9103317	0.083990216	0.072675295	0.002785038	22.01242256	0.04925897	23.18985748	0.001767013	0.001767013	8.95774E-06	0.012634309	0.001947833	0.035483621	0.026157925	8.99263E-06	26.19498634	3.60333E-05	0.00037974
2056 Feb	118.9458847	0.084019996	0.072689794	0.002785568	22.0195961	0.04927117	23.19671249	0.001767383	0.001767383	8.95961E-06	0.012636843	0.001948405	0.035491358	0.026168229	8.99451E-06	26.20456696	3.60398E-05	0.000379855
2056 Mar	119.0129776	0.084070005	0.072727188	0.002786979	22.03236008	0.049297497	23.20975113	0.001768292	0.001768292	8.96421E-06	0.012643282	0.001949497	0.035509836	0.026184341	8.99914E-06	26.22029686	3.60578E-05	0.00038007
2056 Apr	119.4075851	0.084349595	0.072967008	0.002796153	22.10567093	0.049459886	23.28634453	0.001774121	0.001774121	8.99376E-06	0.012684925	0.00195597	0.035626624	0.026272204	9.0288E-06	26.30789948	3.61767E-05	0.000381335
2056 May	126.342041	0.091138259	0.074186675	0.002804026	23.87342834	0.049882002	24.04512024	0.001793667	0.001793667	9.09063E-06	0.012767766	0.002080145	0.035730883	0.029864578	9.12647E-06	29.1692543	3.6533E-05	0.000413057
2056 Jun	131.8668213	0.100044101	0.067435294	0.002408491	27.03357887	0.041837189	21.44392204	0.001614246	0.001614246	8.16962E-06	0.011277497	0.002265607	0.029235501	0.04037153	8.19533E-06	36.20425797	3.3657E-05	0.000489341
2056 Jul	138.0436554	0.103133976	0.069522962	0.00253324	28.27931023	0.044254038	22.07443237	0.00172388	0.00172388	8.71975E-06	0.012022566	0.002397028	0.030460022	0.042630311	8.74592E-06	38.09593964	3.58928E-05	0.000517836
2056 Aug	142.987915	0.105076931	0.071272492	0.002643758	29.17796516	0.047285281	22.99282646	0.001814707	0.001814707	9.17645E-06	0.012549909	0.002498781	0.031832278	0.043947097	9.20462E-06	39.3166008	3.70051E-05	0.000532468
2056 Sep	147.9346771	0.109028086	0.073145129	0.002734371	30.11222458	0.049703568	23.99655342	0.001883102	0.001883102	9.52106E-06	0.013012331	0.002583064	0.03315236	0.045174349	9.55151E-06	40.52360916	3.80517E-05	0.000547175
2056 Oct	146.754776	0.111082636	0.073264092	0.002721262	29.59263802	0.050566643	24.90399551	0.001847089	0.001847089	9.34525E-06	0.012825176	0.00252103	0.033919241	0.043303564	9.37882E-06	39.33310699	3.69103E-05	0.000524702
2056 Nov	146.7100372	0.111950368	0.073437817	0.002721846	29.51709366	0.050838184	25.17362785	0.001840137	0.001840137	9.31178E-06	0.01279935	0.002509127	0.034161948	0.042910807	9.34616E-06	39.10451508	3.66931E-05	0.00052
2056 Dec	146.8713531	0.112099051	0.073496759	0.002724477	29.54715919	0.050906662	25.20848465	0.001842072	0.001842072	9.32152E-06	0.012813718	0.002511645	0.034202736	0.042949613	9.356E-06	39.14332962	3.67282E-05	0.000520463
2057 Jan	146.9436646	0.112164624	0.073522054	0.002725568	29.56092262	0.050935052	25.22364807	0.001842886	0.001842886	9.32562E-06	0.012819697	0.002512781	0.034219701	0.042968404	9.36014E-06	39.16158676	3.67431E-05	0.000520678
2057 Feb	146.9891357	0.11220248	0.07353843	0.002726205	29.56983757	0.050950188	25.23260307	0.001843357	0.001843357	9.32799E-06	0.012823032	0.002513508	0.034229279	0.042981572	9.36253E-06	39.17384338	3.67519E-05	0.000520824
2057 Mar	147.1220703	0.112304844	0.07360319	0.002728596	29.59677124	0.05099532	25.25520706	0.001844989	0.001844989	9.33624E-06	0.012834359	0.002515784	0.034259334	0.043021306	9.37082E-06	39.20983505	3.67844E-05	0.000521299
2057 Apr	147.6395569	0.112700239	0.073861353	0.002738158	29.70103455	0.051174052	25.3437767	0.001851461	0.001851461	9.36899E-06	0.012879359	0.00252464	0.034379266	0.043173272	9.40369E-06	39.34815598	3.69134E-05	0.000523136
2057 May	151.7519379	0.11627914	0.075612247	0.002793987	30.47045517	0.052386101	26.277771	0.001886424	0.001886424	9.54659E-06	0.013137202	0.002583637	0.035338741	0.044221032	9.58339E-06	40.36981201	3.76155E-05	0.000534583
2057 Jun	131.6378784	0.097786747	0.064273492	0.002398778	26.00207138	0.042992048	22.37683296	0.001647045	0.001647045	8.33434E-06	0.011681443	0.00224553	0.030481361	0.038694955	8.36369E-06	35.18534851	3.46806E-05	0.00047671
2057 Jul	128.513092	0.092365153	0.063248038	0.002442451	25.09789467	0.043273482	21.52832222	0.001696151	0.001696151	8.57969E-06	0.012081265	0.002217163	0.030613855	0.037231375	8.6069E-06	33.93957901	3.60664E-05	0.000471274
2057 Aug	136.0928497	0.097672641	0.066779152	0.002589698	26.5792408	0.046117891	22.77042007	0.001802689	0.001802689	9.11774E-06	0.01282382	0.002352202	0.03244406	0.039440092	9.14657E-06	35.95158005	3.81866E-05	0.000499201
2057 Sep	142.0439301	0.101482607	0.068713389	0.002700214	27.59186363	0.048746664	23.95462418	0.001892837	0.001892837	9.57055E-06	0.013473215	0.002452316	0.034079198	0.040836092	9.60264E-06	37.35033035	3.99228E-05	0.000518762
2057 Oct	149.0646973	0.106298409	0.070944905	0.00281666	28.63685417	0.051594984	25.77114677	0.001981758	0.001981758	1.00177E-05	0.014157869	0.002550297	0.036181215	0.042024314	1.00558E-05	38.73429489	4.17637E-05	0.000536136
2057 Nov	150.1334686	0.107099801	0.071356378	0.00283471	28.8048172	0.052006777	26.04314613	0.001994411	0.001994411	1.00816E-05	0.014255389	0.002565109	0.036497843	0.042214908	1.01205E-05	38.9500351	4.20282E-05	0.000538792
2057 Dec	150.2608643	0.107197434	0.071405806	0.002836876	28.8263073	0.052054919	26.07234192	0.001995968	0.001995968	1.00895E-05	0.014267201	0.002567001	0.036532767	0.042242043	1.01285E-05	38.97834015	4.20607E-05	0.000539152
2058 Jan	150.3374481	0.107249655	0.071432807	0.002838009	28.83814812	0.052080277	26.09238625	0.001996769	0.001996769	1.00935E-05	0.01427335	0.002568018	0.036554024	0.042256292	1.01326E-05	38.99420547	4.20781E-05	0.00053934
2058 Feb	150.3816223	0.107278503	0.071448907	0.002838627	28.84555054	0.052092906	26.10282326	0.001997208	0.001997208	1.00957E-05	0.014276585	0.002568643	0.036564887	0.04226651	1.01348E-05	39.00452042	4.20877E-05	0.000539465
2058 Mar	150.4310913	0.107313722	0.071470767	0.00283948	28.85499191	0.052108862	26.11174393	0.001997815	0.001997815	1.00988E-05	0.014280919	0.002569467	0.036576372	0.042280592	1.01379E-05	39.01751328	4.21005E-05	0.000539639
2058 Apr	150.7677307	0.107554354	0.071630135	0.002845802	28.91973495	0.052224912	26.16994286	0.002002268	0.002002268	1.01213E-05	0.01431273	0.002575224	0.036657691	0.042375814	1.01605E-05	39.10520554	4.21944E-05	0.00054085
2058 May	166.0317688	0.115958102	0.079714887	0.002927048	30.90463829	0.051505886	31.72310066	0.001970133	0.001970133	9.98363E-06	0.014134916	0.002679508	0.04081329	0.044643454	1.00361E-05	41.92135239	4.26936E-05	0.000559345
2058 Jun	166.4687042	0.11369694	0.081069708	0.00251433	30.55909348	0.038405914	34.25180817	0.001548729	0.001548729	7.89739E-06	0.01107989	0.002505667	0.038988143	0.045421179	7.95177E-06	42.52235413	3.62472E-05	0.000535222
2058 Jul	164.5251007	0.111524753	0.080855809	0.002561332	30.26122856	0.039185673	33.37295914	0.001591921	0.001591921	8.11427E-06	0.011374694	0.002504784	0.03891195	0.044917926	8.16534E-06	41.98261261	3.7055E-05	0.000535053
2058 Aug	174.4593048	0.116889521	0.084159091	0.002724184	32.02044678	0.042698294	35.21430206	0.001724308	0.001724308	8.78066E-06	0.0122701	0.002677607	0.041253619	0.047747344	8.83594E-06	44.59570313	3.96085E-05	0.000569641
2058 Sep	174.3152618	0.118665434	0.083655894	0.002763002	31.76136971	0.045307625	35.80565643	0.001753912	0.001753912	8.93169E-06	0.01248928	0.002665317	0.042357266	0.046498612	8.98911E-06	43.88015366	3.93771E-05	0.00055808
2058 Oct	172.7514038	0.121437676	0.082826346	0.002762014	31.29117966	0.046945386	36.18694305	0.001746204	0.001746204	8.89583E-06	0.012518779	0.002620142	0.042961359	0.044900261	8.95462E-06	42.8298912	3.86974E-05	0.000540631
2058 Nov	173.0623169	0.122166313	0.082953498	0.002768412	31.32093048	0.047246292	36.34964752	0.001749076	0.001749076	8.91095E-06	0.012552682	0.002621478	0.043153729	0.044830944	8.97014E-06	42.82423401	3.87157E-05	0.000539952
2058 Dec	173.1732635	0.122272	0.082983784	0.002770019	31.33954811	0.047293194	36.37625122	0.001750346	0.001750346	8.91735E-06	0.012562665	0.002623103	0.043183602	0.044854853	8.97661E-06	42.84960175	3.874E-05	0.000540246
2059 Jan	173.241272	0.122334413	0.082999825	0.002770901	31.35092545	0.047320172	36.39266968	0.001751075	0.001751075	8.92101E-06	0.012568352	0.002624089	0.043200903	0.044870183	8.98032E-06	42.86561203	3.87538E-05	0.000540427
2059 Feb	173.2801514	0.122366592	0.08301077	0.002771372	31.35791779	0.047332432	36.40111923	0.001751448	0.001751448	8.92289E-06	0.012571126	0.002624676	0.043209471	0.044880744	8.98223E-06	42.87576294	3.87612E-05	0.000540546
2059 Mar	173.3016663	0.122384399	0.083016813	0.002771633	31.36178398	0.047339235	36.4058075	0.001751655	0.001751655	8.92393E-06	0.012572664	0.002625	0.043214228	0.044886567	8.98328E-06	42.88137054	3.87654E-05	0.000540611
2059 Apr	173.7546539	0.12270534	0.083232202	0.002778839	31.44384575	0.047463078	36.50085449	0.001756226	0.001756226	8.94722E-06	0.012605476	0.002631866	0.043326728	0.045004293	9.00672E-06	42.99374008	3.88664E-05	0.000542026
2059 May	178.6667786	0.127180353	0.084630296	0.00281258	32.3021431	0.048352107	37.7339592	0.001777353	0.001777353	9.05649E-06	0.012779638	0.002694773	0.044350188	0.046344653	9.11876E-06	44.29137802	3.93815E-05	0.00055491
2059 Jun	181.2812195	0.131521329	0.08157146	0.0026817	33.41174698	0.046300747	36.9939537	0.001734825	0.001734825	8.83462E-06	0.012460796	0.002772712	0.04241259	0.050043683	8.89397E-06	46.85839462	3.88144E-05	0.000583846
2059 Jul	191.9795074	0.138679922	0.085699499	0.002843897	35.41670609	0.049258918	38.88348007	0.001856501	0.001856501	9.44977E-06	0.013327803	0.00295205	0.044733759	0.053305939	9.51221E-06	49.80475235	4.15039E-05	0.000622857
2059 Aug	200.8036041	0.144924045	0.089381732	0.002976928	37.05636978	0.051824585	40.62126923	0.00194877	0.00194877	9.91797E-06	0.013971496	0.003092939	0.046782531	0.055804543	9.98334E-06	52.12717438	4.34016E-05	0.000651943
2059 Sep	208.5164185	0.151039943	0.091033854	0.003084822	38.39993286	0.054959256	42.19055939	0.002045784	0.002045784	1.04048E-05	0.014683519	0.003219351	0.048649728	0.057849813	1.04746E-05	54.11868286	4.51998E-05	0.00067703
2059 Oct	192.8870239	0.150433138	0.082410969	0.002885817	35.15589523	0.055670436	40.19560242	0.001924525	0.001924525	9.78965E-06	0.014113221	0.002948074	0.046815917	0.051363215	9.85732E-06	48.92355347	4.16477E-05	0.000604751
2059 Nov	190.537796	0.151243433	0.081165813	0.00285893	34.70395279	0.056010541	39.88546371	0.001907567	0.001907567	9.7038E-06	0.014053587	0.002907792	0.046565022	0.050372943	9.7709E-06	48.13964462	4.11037E-05	0.000593547

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2059 Dec	190.6164093	0.151357785	0.081181951	0.002860083	34.71753693	0.05605533	39.90538025	0.001908516	0.001908516	9.70859E-06	0.014061962	0.00290892	0.046588365	0.050387509	9.77574E-06	48.15665436	4.11203E-05	0.000593724
2060 Jan	190.6456451	0.151401609	0.081188999	0.002860473	34.72288895	0.056070514	39.91257095	0.00190882	0.00190882	9.71012E-06	0.014064677	0.002909338	0.04659646	0.050393693	9.77729E-06	48.16343689	4.11255E-05	0.000593792
2060 Feb	190.6824951	0.151439026	0.081200749	0.002860932	34.72994995	0.056082718	39.9201622	0.001909162	0.001909162	9.71186E-06	0.014067336	0.002909906	0.04660454	0.050404191	9.77904E-06	48.17337036	4.11323E-05	0.000593907
2060 Mar	190.7674103	0.151507944	0.081235819	0.002862162	34.74574661	0.056107223	39.93743896	0.001909996	0.001909996	9.71609E-06	0.014073453	0.002911218	0.046624396	0.050427679	9.7833E-06	48.19548035	4.11501E-05	0.000594178
2060 Apr	191.4610291	0.152059257	0.081530616	0.002872543	34.87229156	0.056310829	40.08229828	0.001916931	0.001916931	9.75137E-06	0.014124533	0.002921815	0.04679333	0.050611727	9.81883E-06	48.37114716	4.12995E-05	0.000596343
2060 May	192.1764984	0.153741926	0.079917274	0.002787219	35.21868515	0.054741707	39.84196854	0.001874481	0.001874481	9.53506E-06	0.013832427	0.002939251	0.045779224	0.052062657	9.60155E-06	49.36151505	4.06984E-05	0.000605623
2060 Jun	168.559433	0.131393477	0.068563528	0.002347101	32.42563248	0.043379527	31.27257919	0.001635252	0.001635252	8.30526E-06	0.011808317	0.002708902	0.035877779	0.051535901	8.34919E-06	46.74260712	3.62093E-05	0.000586473
2060 Jul	174.7503052	0.135284171	0.071369268	0.002462298	33.64688873	0.045276292	32.16828156	0.001720157	0.001720157	8.73512E-06	0.012401821	0.002822083	0.03726656	0.053534918	8.77947E-06	48.49181366	3.80771E-05	0.000611561
2060 Aug	180.4794006	0.138026953	0.072697863	0.002576974	34.68405533	0.04878987	33.15567398	0.0018241	0.0018241	9.25713E-06	0.013029552	0.00293511	0.038953882	0.055057477	9.30369E-06	49.97091675	3.93498E-05	0.000631887
2060 Sep	167.471405	0.12895374	0.066965997	0.002512143	31.92551041	0.052411016	31.61504936	0.001790184	0.001790184	9.08439E-06	0.012527972	0.002727646	0.038926374	0.048769619	9.12955E-06	45.16409302	3.52319E-05	0.000570364
2060 Oct	163.8199158	0.13115032	0.065269724	0.002484057	30.97129631	0.054047726	31.85137949	0.001760707	0.001760707	8.93898E-06	0.012426262	0.002639361	0.039427258	0.046121906	8.98554E-06	43.32417297	3.39002E-05	0.000542125
2060 Nov	163.1463013	0.132633328	0.064921662	0.002477896	30.6907959	0.0546466	32.18809128	0.001750035	0.001750035	8.88727E-06	0.01241373	0.002611384	0.039799448	0.045225263	8.93498E-06	42.75524521	3.35429E-05	0.000532423
2060 Dec	163.2564697	0.13276872	0.064956084	0.002479557	30.70802879	0.054703016	32.21989441	0.001751176	0.001751176	8.89309E-06	0.012423332	0.00261279	0.039836731	0.045240954	8.94087E-06	42.77610779	3.35613E-05	0.000532624
2061 Jan	163.2738342	0.132802591	0.064961553	0.002479751	30.7095356	0.05471405	32.22877884	0.001751231	0.001751231	8.8934E-06	0.01242439	0.002612848	0.03984575	0.045238655	8.9412E-06	42.77675247	3.35614E-05	0.000532598
2061 Feb	163.2907715	0.132822707	0.064966746	0.002479899	30.71230316	0.054719523	32.23385239	0.00175131	0.00175131	8.89381E-06	0.012425125	0.002613038	0.039850432	0.045241863	8.94163E-06	42.78044891	3.35626E-05	0.000532628
2061 Mar	163.3421631	0.132867545	0.064984918	0.00248061	30.72190285	0.05473699	32.2444725	0.001751827	0.001751827	8.89643E-06	0.012428852	0.002613839	0.039862718	0.045255952	8.94427E-06	42.79393005	3.35722E-05	0.000532789
2061 Apr	163.9146729	0.13333407	0.065212153	0.002489273	30.82969475	0.054928381	32.3574028	0.001757948	0.001757948	8.92751E-06	0.012472278	0.002623001	0.040002022	0.045414954	8.97552E-06	42.94417191	3.36895E-05	0.000534657
2061 May	172.6208344	0.137232751	0.068274714	0.002494151	32.20640945	0.052963167	34.57540894	0.001740261	0.001740261	8.84844E-06	0.012381501	0.002717954	0.041180238	0.048309911	8.90047E-06	45.47872543	3.46131E-05	0.000560473
2061 Jun	157.0804596	0.118597999	0.06576924	0.002220477	29.86473274	0.040733688	30.15859795	0.001497907	0.001497907	7.63536E-06	0.010580929	0.002485292	0.035396367	0.046574038	7.67284E-06	42.69168854	3.2248E-05	0.000532464
2061 Jul	165.3812561	0.123076081	0.069208279	0.002375969	31.39893723	0.043400429	31.4858036	0.001616054	0.001616054	8.23332E-06	0.011401477	0.002634855	0.037399333	0.049073134	8.27219E-06	44.92339706	3.48192E-05	0.000564515
2061 Aug	173.1102448	0.128513694	0.072157726	0.002491269	32.86256027	0.045781448	32.91244507	0.001700957	0.001700957	8.66395E-06	0.0119796	0.00276432	0.039148472	0.051402152	8.70481E-06	47.04405212	3.64758E-05	0.000591218
2061 Sep	181.790741	0.13367413	0.074085511	0.002613578	34.28982162	0.048975348	34.70411682	0.001810862	0.001810862	9.21591E-06	0.012748239	0.002907596	0.041267499	0.053710792	9.26192E-06	49.27004242	3.85529E-05	0.00061975
2061 Oct	176.9230347	0.134685233	0.071682617	0.002579569	32.2899704	0.050889432	36.22044754	0.001760597	0.001760597	8.97378E-06	0.01263842	0.002746603	0.043049984	0.048553988	9.02583E-06	45.79305267	3.71194E-05	0.000565973
2061 Nov	174.5788269	0.136064515	0.070622638	0.002558373	31.57635689	0.051596977	36.51359558	0.00173647	0.00173647	8.85562E-06	0.012578961	0.002683443	0.043431945	0.046700567	8.90886E-06	44.49866104	3.64508E-05	0.000545953
2061 Dec	174.660614	0.136172697	0.0706449	0.002559567	31.5874176	0.051639713	36.54020309	0.001737283	0.001737283	8.85978E-06	0.012586528	0.002684377	0.043462195	0.046708297	8.91309E-06	44.51177216	3.64659E-05	0.00054606
2062 Jan	174.687851	0.136214748	0.070652895	0.002559906	31.59036446	0.05165397	36.55139923	0.001737454	0.001737454	8.86069E-06	0.012588561	0.002684587	0.04347403	0.046708234	8.91402E-06	44.51464462	3.64689E-05	0.00054606
2062 Feb	174.7330017	0.136255786	0.070665821	0.002560435	31.59832954	0.051668059	36.56158066	0.001737857	0.001737857	8.86273E-06	0.01259166	0.002685252	0.043484565	0.046720184	8.91609E-06	44.52627182	3.64771E-05	0.000546192
2062 Mar	174.9165192	0.136401117	0.070738629	0.002563069	31.63160706	0.051722039	36.60003281	0.001739653	0.001739653	8.87189E-06	0.012604711	0.002688067	0.043529708	0.046769615	8.92531E-06	44.57331085	3.65148E-05	0.000546764
2062 Apr	175.5630341	0.136905655	0.070999607	0.002572515	31.7487793	0.051912662	36.73488617	0.001746073	0.001746073	8.90463E-06	0.012651191	0.002698017	0.043689899	0.046943311	8.95824E-06	44.73856354	3.66495E-05	0.000548791
2062 May	177.3906708	0.138330951	0.071738459	0.002599284	32.07940292	0.052452847	37.11707687	0.001764247	0.001764247	8.99731E-06	0.012782855	0.002726111	0.044144381	0.047432389	9.05148E-06	45.20454025	3.7031E-05	0.000554507
2062 Jun	140.5199127	0.100784771	0.057761367	0.002338764	23.93876839	0.045526978	29.54061699	0.001640343	0.001640343	8.35068E-06	0.012160809	0.002190247	0.038539011	0.034397427	8.39256E-06	33.68980408	3.58768E-05	0.000442525
2062 Jul	120.9391022	0.078332655	0.051613487	0.002268822	19.92089462	0.042361513	24.68618584	0.001626506	0.001626506	8.26817E-06	0.012077881	0.001947274	0.035368171	0.028181596	8.29975E-06	27.90596199	3.61471E-05	0.000393515
2062 Aug	122.4497528	0.076651923	0.051574644	0.002343591	20.13147545	0.045923457	25.11332512	0.001698262	0.001698262	8.6283E-06	0.012320925	0.002003689	0.0363761	0.028273681	8.66108E-06	28.09599686	3.57889E-05	0.000392462
2062 Sep	122.407074	0.08093632	0.050654996	0.002322155	20.18243027	0.048467282	25.77959442	0.001678998	0.001678998	8.53364E-06	0.012093991	0.001987568	0.036996678	0.027572436	8.56829E-06	27.81319046	3.37306E-05	0.000379039
2062 Oct	119.9718323	0.107285224	0.049864169	0.002206892	20.44770432	0.052327324	27.05016518	0.001524303	0.001524303	7.77333E-06	0.0114274	0.001858355	0.037428029	0.0252159	7.80763E-06	26.50055313	2.89715E-05	0.000332579
2062 Nov	121.2286224	0.11097002	0.050124612	0.002223842	20.7385273	0.053371701	27.39115334	0.001535573	0.001535573	7.83118E-06	0.011564119	0.001874478	0.037825838	0.025428912	7.86597E-06	26.77692032	2.90828E-05	0.000334179
2062 Dec	121.352417	0.111142367	0.05015111	0.002225734	20.7607708	0.053441674	27.41975975	0.001537148	0.001537148	7.83913E-06	0.011577375	0.001876389	0.037861593	0.025455421	7.87398E-06	26.80569649	2.91096E-05	0.000334497
2063 Jan	121.3908005	0.111201607	0.050161581	0.002226206	20.76808929	0.053459726	27.42919159	0.001537481	0.001537481	7.84083E-06	0.01158044	0.001876922	0.037871912	0.025464114	7.8757E-06	26.81492996	2.91153E-05	0.000334586
2063 Feb	121.4210052	0.111236498	0.05017079	0.002226581	20.77399635	0.053470843	27.43548012	0.001537758	0.001537758	7.84224E-06	0.011582635	0.001877387	0.037878837	0.025472652	7.87712E-06	26.82307434	2.91204E-05	0.000334676
2063 Mar	121.4610825	0.111276701	0.050184317	0.002227214	20.78128815	0.053487819	27.44394875	0.001538231	0.001538231	7.84464E-06	0.011586239	0.001878023	0.037889678	0.025482608	7.87954E-06	26.83295822	2.91292E-05	0.000334796
2063 Apr	121.709671	0.11150562	0.050285731	0.002231724	20.82407188	0.053596716	27.49973488	0.001541361	0.001541361	7.8606E-06	0.011609815	0.001881878	0.037966307	0.025535664	7.89557E-06	26.88845634	2.91885E-05	0.000335487
2063 May	128.2304077	0.11698433	0.05193796	0.002258128	22.52727509	0.053579018	27.92959976	0.001573288	0.001573288	8.01933E-06	0.011800653	0.002007421	0.037934992	0.029138485	8.05402E-06	29.67409897	3.01745E-05	0.000370067
2063 Jun	123.0403061	0.096135631	0.051625751	0.002014997	24.15132904	0.038063392	20.83986855	0.001438308	0.001438308	7.31531E-06	0.010294024	0.002095388	0.028584169	0.037668481	7.3292E-06	33.94850159	3.06724E-05	0.000450309
2063 Jul	117.6048508	0.08669918	0.051692929	0.002077226	22.63609886	0.037749644	19.97369957	0.001471784	0.001471784	7.48778E-06	0.010546222	0.00201262	0.028994251	0.034629855	7.49917E-06	31.47168541	3.17904E-05	0.000430439
2063 Aug	124.3468933	0.090725169	0.05398073	0.002202939	23.84968185	0.040548436	21.1157074	0.0015744	0.0015744	8.00594E-06	0.011250198	0.002136364	0.030750146	0.03654572	8.01887E-06	33.24023438	3.37295E-05	0.000455156
2063 Sep	130.6592255	0.093224257	0.054950196	0.00232219	24.6440239	0.04432762	22.69720459	0.001684884	0.001684884	8.56171E-06	0.01198437	0.002241369	0.033064824	0.03752578	8.57928E-06	34.46129608	3.53338E-05	0.00047194
2063 Oct	131.55336	0.095416188	0.054631237	0.002312517	24.18115616	0.045579605	24.38809776	0.0016614	0.0016614	8.45164E-06	0.011890311	0.002199605	0.034657814	0.035866253	8.47425E-06	33.62781906	3.44794E-05	0.000453152
2063 Nov	132.125351	0.096258052	0.054701611	0.002317452	24.19010735	0.045958869	24.73584366	0.001662994	0.001662994	8.46101E-06	0.011918716	0.002200168	0.03501178	0.035724808	8.48455E-06	33.61100769	3.44542E-05	0.000451619
2063 Dec	132.295578	0.096397862	0.05474532	0.002320046	24.21749496	0.046030052	24.77451134	0.001665131	0.001665131	8.47181E-06	0.011934892	0.002202807	0.035059661	0.035763204	8.49544E-06	33.65076447	3.44955E-05	0.000452115
2064 Jan	132.3884888	0.096470617	0.05476347	0.002321271	24.23159027	0.046066966	24.79715538	0.001666206	0.001666206	8.47722E-06	0.011943065	0.002204184	0.035085116	0.035783537	8.50092E-06	33.67227554	3.4516E-05	0.00045237
2064 Feb	132.4492188	0.096515395	0.054779682	0.002322087	24.2418499	0.046087507	24.81019592	0.001666876	0.001666876	8.4806E-06	0.011947956	0.002205133	0.035100099	0.035799451	8.50434E-06	33.68773651	3.45294E-05	0.000452561
2064 Mar	132.6112366	0.096634224	0.054845251	0.002324857	24.27175713	0.046142854	24.84021759	0.001668881	0.001668881	8.4908E-06	0.011962291	0.002207838	0.03514193	0.035844274	8.51456E-06	33.72961426	3.45709E-05	0.00045312
2064 Apr	132.9011536	0.096845977	0.05496471	0.002329907	24.325037	0.046243094	24.89421463	0.001672512	0.001672512	8.50927E-06	0.011988293	0.002212673	0.035218094	0.035923351	8.53309E-06	33.80379868	3.46461E-05	0.000454115
2064 May	144.4619141	0.103035212	0.057436209	0.002335034	26.05709839	0.045724135	28.05509186	0.001670795	0.001670795	8.50907E-06	0.01197515	0.002344055	0.037191998	0.039366763	8.54028E-06	37.02301407	3.53097E-05	0.000484506
2064 Jun	152.660675	0.10489089	0.058598906	0.002115277	28.11264992	0.03768694	29.11356926	0.00150032	0.00150032	7.65581E-06	0.010610163	0.002441908	0.035016183	0.045485079	7.68726E-06	41.49791336	3.35705E-05	0.000527123
2064 Jul	158.9911804	0.107060723	0.060498554	0.002250683	29.22895813	0.040521223	29.96905708	0.001620497	0.001620497	8.26019E-06	0.011410858	0.002574477	0.03659068	0.047472369	8.29274E-06	43.23108292	3.5893E-05	0.000553245
2064 Aug	160.6948242	0.105670355	0.060609598	0.002322504	29.29344177	0.043246429	30.58170319	0.00168681	0.00168681	8.59397E-06	0.01173825	0.002620586	0.037696671	0.04737895	8.62834E-06	43.30400467	3.62216E-05	0.000552293
2064 Sep	156.9457092	0.103573732	0.057755023	0.002309573	27.86999702	0.046999983	31.54087448	0.001682187	0.001682187	8.57313E-06	0.01159315	0.002529002	0.03921283	0.043663476	8.61245E-06	40.85995102	3.38959E-05	0.000512544
2064 Oct	158.1369629	0.106325187	0.057513114	0.002322476	27.77095413	0.048562683	32.53683853	0.001689513	0.001689513	8.61319E-06	0.011704315	0.002523371	0.040306095	0.042941108	8.65548E-06	40.59859085	3.36965E-05	0.000505064
2064 Nov	158.6569519	0.106698394	0.057697456	0.002330172	27.8631916	0.04873148	32.64280319	0.001695194	0.001695194	8.64213E-06	0.011744172	0.002531736	0.040438645	0.043082606	8.68456E-06	40.73254395	3.38083E-05	0.000506728
2064 Dec	158.7235718	0.106755048	0.057714604	0.002331091	27.8742466	0.048757788	32.65808105	0.001695939	0.001695939	8.6459E-06	0.011749699	0.00253276	0.040456571	0.043098588	8.68836E-06	40.74871063	3.38219E-05	0.000506918
2065 Jan	158.7959137	0.106807671	0.057727747	0.002331889	27.88441277	0.048783675	32.67799377	0.001696622	0.001696622	8.64935E-06	0.011754774	0.002533736	0.040476754	0.04311309	8.69187E-06	40.76475143	3.38342E-05	0.000507087
2065 Feb	158.8495026	0.106844634	0.05774226	0.002332538	27.89319038	0.048800081	32.69039917	0.001697135	0.001697135	8.65195E-06	0.011758389	0.002534537	0.040490102	0.043126799	8.69451E-06	40.77820969	3.3844E-05	0.000507243
2065 Mar	159.0610199	0.106987648	0.057818729	0.002335615	27.93058586	0.04886448	32.7335434	0.001699381	0.001699381	8.6634E-06	0.011773925	0.002537923	0.040543307	0.043184996	8.70601E-06	40.83298111	3.38888E-05	0.000507923
2065 Apr	159.6764374	0.107402034	0.058042243	0.002344636	28.03881073	0.049053203	32.85995483	0.001705948	0.001705948	8.69688E-06	0.011819413	0.002547749	0.040699754	0.043352548	8.73965E-06	40.99125671	3.40198E-05	0.000509892
2065 May	174.1943512	0.114976585	0.060854379	0.002399214	29.44739151	0.050268367	38.06877518	0.001732872	0.001732872	8.84804E-06	0.012129237	0.002673283	0.045014814	0.045457892	8.90477E-06	43.72797775	3.54117E-05	0.000531376
2065 Jun	161.0347443	0.104756333	0.056866962	0.002126585	27.91716003	0.040587142	33.44871521	0.001537672	0.001537672	7.85585E-06	0.010845063	0.002498866	0.039132454	0.044962961	7.8995E-06	42.09663773	3.36706E-05	0.000521195
2065 Jul	164.5701752	0.105863504	0.058916908	0.002233702	28.53080368	0.042113818	33.86172867	0.001616642	0.001616642	8.25709E-06	0.011416327	0.002571126	0.040347762	0.045846071	8.29959E-06	42.89678574	3.55238E-05	0.000536959
2065 Aug	175.4889832	0.111836135	0.061710402	0.002390493	30.33519745	0.045860417	36.04859924	0.001752079	0.001752079	8.94063E-06	0.01233993	0.002753961	0.043069225	0.048848618	8.98788E-06	45.74116135	3.81063E-05	0.000573853
2065 Sep	174.2076569	0.114524812	0.059257809	0.002406932	29.37803841	0.049504697	37.23534012	0.001776656	0.001776656	9.06611E-06	0.012647565	0.002696183	0.044888593	0.045988631	9.11881E-06	44.03349686	3.76437E-05	0.000547894
2065 Oct	159.7485962	0.125790328	0.052192654	0.002236087	26.21095467	0.052777424	36.7846489	0.001632703	0.001632703	8.34629E-06	0.012219792	0.002383121	0.044601377	0.037907012	8.3999E-06	38.09453964	3.35124E-05	0.000456124
2065 Nov	158.8328247	0.129513711	0.051462013	0.002226025	25.98616028	0.053822942	36.98102951	0.001623057	0.001623057	8.29903E-06	0.012270737	0.002355228	0.044851907	0.037032839	8.35314E-06	37.53487778	3.31486E-05	0.000445879
2065 Dec	158.8953247	0.129618332	0.051470898	0.00222687	25.9956913	0.053861734	36.99955368	0.001623751	0.001623751	8.30256E-06	0.012277456	0.002356031	0.044873599	0.037041094	8.35672E-06	37.54663467	3.31604E-05	0.000445979
2066 Jan	158.9336395	0.129677281	0.051478896	0.002227313	26.00160599	0.053880777	37.0110817	0.001624069	0.001624069	8.3042E-06	0.01228064	0.002356493	0.044886246	0.037046842	8.35838E-06	37.5541687	3.31662E-05	0.000446041
2066 Feb	159.00914	0.129743919	0.051501412	0.002228275	26.0146904	0.053905446	37.02778244	0.001624796	0.001624796	8.3079E-06	0.012286164	0.002357636	0.044905517	0.037066467	8.36211E-06	37.57331085	3.31809E-05	0.000446264
2066 Mar	159.3299866	0.130006135	0.051604982	0.002232729	26.06772804	0.054013003	37.10161209	0.001628055	0.001628055	8.32456E-06	0.012310735	0.002362421	0.044994712	0.037142888	8.37888E-06	37.65010834	3.32474E-05	0.000447177
2066 Apr	159.750351	0.130349398	0.051740944	0.002238595	26.13681602	0.054154821	37.1989975	0.001632339	0.001632339	8.34646E-06	0.01234309	0.00236867	0.045112617	0.037241813	8.40092E-06	37.75000763	3.33349E-05	0.000448364
2066 May	162.1741791	0.132680207	0.052347858	0.002266081	26.57975006	0.054910313	37.6906662	0.001655109	0.001655109	8.46197E-06	0.012521652	0.002406687	0.045649335	0.037952989	8.51728E-06	38.41630173	3.38154E-05	0.000456204
2066 Jun	134.5355377	0.099665925	0.046521924	0.0020488	22.7929821	0.043378126	28.00906372	0.001526653	0.001526653	7.7858E-06	0.011394829	0.002120981	0.03649747	0.034330085	7.81814E-06	33.24582291	3.31626E-05	0.000428767
2066 Jul	137.6513824	0.095659591	0.048411299	0.00222945	23.04758263	0.045721047	28.02631187	0.001680894	0.001680894	8.56194E-06	0.012482915	0.002213434	0.038182605	0.034754451	8.59287E-06	33.64623642	3.67875E-05	0.000449184
2066 Aug	146.6077728	0.100092396	0.050603777	0.002386403	24.42318344	0.049531959	29.80903816	0.00181949	0.00181949	9.26061E-06	0.013451065	0.002371644	0.040713586	0.036980301	9.29533E-06	35.81414413	3.94456E-05	0.000479163
2066 Sep	150.225647	0.1017472	0.050767403	0.002436654	24.60378647	0.051721077	31.33291817	0.001863465	0.001863465	9.48525E-06	0.01375915	0.002409513	0.042463291	0.036894932	9.52459E-06	36.14189529	3.99317E-05	0.000479998
2066 Oct	149.6396942	0.103989936	0.049413808	0.002382939	23.8268528	0.052503362	32.95722198	0.001807092	0.001807092	9.21062E-06	0.01344569	0.002336113	0.04369976	0.034746964	9.25501E-06	34.89284515	3.83261E-05	0.000452495

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2066 Nov	149.9111176	0.105430178	0.049103756	0.002367289	23.66698647	0.052781563	33.57525253	0.001789846	0.001789846	9.12697E-06	0.013368106	0.002318065	0.044164285	0.034206592	9.17313E-06	34.62955475	3.78985E-05	0.00044521
2066 Dec	150.0991669	0.10559056	0.049141984	0.002369913	23.69449806	0.052859966	33.62233734	0.001792085	0.001792085	9.13829E-06	0.013385748	0.00232083	0.044219907	0.034244716	9.18457E-06	34.6711235	3.79429E-05	0.000445702
2067 Jan	150.1962433	0.105672538	0.049158059	0.002371112	23.70854187	0.052898288	33.64716721	0.001793157	0.001793157	9.1437E-06	0.013394224	0.002322227	0.044247076	0.034265064	9.19006E-06	34.69311905	3.79642E-05	0.000445953
2067 Feb	150.268692	0.105726689	0.049177911	0.002372097	23.72043228	0.052922297	33.6630249	0.00179395	0.00179395	9.14773E-06	0.013400136	0.002323351	0.044265993	0.034283489	9.19411E-06	34.71114731	3.79807E-05	0.000446175
2067 Mar	150.4207001	0.105834886	0.049226794	0.002374435	23.74489021	0.052974712	33.69644928	0.001795733	0.001795733	9.15681E-06	0.013413405	0.002325719	0.044309366	0.034319598	9.20324E-06	34.74715424	3.80184E-05	0.000446635
2067 Apr	150.7453766	0.106063932	0.049332853	0.002379531	23.79646111	0.053088352	33.76873016	0.001799592	0.001799592	9.17649E-06	0.013442199	0.002330752	0.044404194	0.034394585	9.22302E-06	34.82270813	3.81E-05	0.000447605
2067 May	159.0106506	0.11284703	0.050623972	0.002399089	25.33399963	0.053829983	35.51754761	0.0018246	0.0018246	9.30397E-06	0.013624419	0.002449275	0.045489307	0.037399445	9.35461E-06	37.4688797	3.87984E-05	0.000474986
2067 Jun	156.8015594	0.110665083	0.04893988	0.002136359	27.14285469	0.045288987	31.32273293	0.001669758	0.001669758	8.49905E-06	0.012215945	0.00251607	0.038480125	0.044043127	8.53902E-06	41.24406433	3.64312E-05	0.000523698
2067 Jul	166.1581268	0.11565455	0.051559757	0.002279579	28.78538895	0.048220553	32.87945557	0.001794879	0.001794879	9.13037E-06	0.013088009	0.002685337	0.040586863	0.046976026	9.1726E-06	43.86149597	3.90853E-05	0.000559572
2067 Aug	174.9667511	0.117847115	0.053157967	0.002414911	30.03693199	0.051934984	34.83235931	0.001922863	0.001922863	9.77432E-06	0.013864889	0.002845499	0.042907905	0.049270079	9.82181E-06	46.03754044	4.10821E-05	0.000585249
2067 Sep	177.802063	0.118446961	0.053039614	0.002450309	30.11231613	0.053951737	36.17020035	0.00195664	0.00195664	9.94671E-06	0.014049813	0.00287533	0.044372983	0.049098376	9.9985E-06	46.24077225	4.11246E-05	0.000583504
2067 Oct	168.0542603	0.117539026	0.048624929	0.002300839	27.56641006	0.054010548	36.3848114	0.001823423	0.001823423	9.28324E-06	0.013271471	0.002646606	0.044266034	0.043450348	9.33762E-06	42.0658493	3.75017E-05	0.000517521
2067 Nov	167.2498169	0.119236805	0.047938954	0.002285365	27.27331352	0.05458327	36.67081833	0.001809512	0.001809512	9.21476E-06	0.013239581	0.002618131	0.044531815	0.04260556	9.27016E-06	41.52346039	3.70546E-05	0.000507691
2067 Dec	167.4606934	0.119432792	0.047979411	0.0022881	27.30644226	0.054671459	36.72145844	0.001811893	0.001811893	9.2268E-06	0.013258173	0.002621322	0.044590034	0.042653531	9.28233E-06	41.5734024	3.70992E-05	0.000508259
2068 Jan	167.5742188	0.119538367	0.047998413	0.002289444	27.32427406	0.054717105	36.74905396	0.001813102	0.001813102	9.2329E-06	0.013267622	0.002623015	0.044619922	0.042680074	9.2885E-06	41.60083389	3.71217E-05	0.000508564
2068 Feb	167.64711	0.119598083	0.048015233	0.002290288	27.33634758	0.054740902	36.76554108	0.00181381	0.00181381	9.2365E-06	0.013272926	0.002624125	0.044637904	0.042699218	9.29213E-06	41.61950302	3.71357E-05	0.000508778
2068 Mar	167.9475708	0.119814448	0.048100833	0.002294337	27.385746	0.054837994	36.83102036	0.001817023	0.001817023	9.25286E-06	0.013296423	0.002628836	0.044716839	0.042776827	9.30859E-06	41.69478607	3.72014E-05	0.000509695
2068 Apr	169.1468964	0.120670691	0.048444249	0.002310696	27.58164597	0.055228896	37.09354019	0.001829984	0.001829984	9.31886E-06	0.01339123	0.002647622	0.045035351	0.043083217	9.37499E-06	41.99308395	3.74668E-05	0.000513342
2068 May	172.734787	0.123725839	0.049075991	0.002295558	28.54013443	0.054445423	37.31700516	0.001826706	0.001826706	9.30052E-06	0.013356178	0.002711556	0.044717081	0.045301333	9.35668E-06	43.68562698	3.7744E-05	0.000533521
2068 Jun	145.3144226	0.099232741	0.046763383	0.001930781	25.89461136	0.038553048	27.77656746	0.001497294	0.001497294	7.63084E-06	0.010747732	0.002367002	0.034011405	0.0431678	7.65904E-06	39.53276062	3.30475E-05	0.000502898
2068 Jul	149.3790283	0.09667746	0.048537008	0.002086496	26.09421921	0.041078594	28.72346306	0.001622893	0.001622893	8.26764E-06	0.01162719	0.0024463	0.03625229	0.043257289	8.29692E-06	39.86121368	3.58255E-05	0.000515417
2068 Aug	158.0441895	0.10118413	0.050880387	0.002219073	27.48416138	0.044184372	30.49979401	0.001734637	0.001734637	8.83371E-06	0.012386156	0.002593197	0.038562406	0.045549676	8.866E-06	42.04507446	3.79495E-05	0.000543554
2068 Sep	163.3297577	0.104062252	0.050793897	0.002300989	27.78694534	0.047903154	32.57595825	0.001814023	0.001814023	9.2354E-06	0.012948945	0.00265833	0.041056439	0.045540266	9.27452E-06	42.60085297	3.88556E-05	0.000546623
2068 Oct	164.082901	0.105830356	0.050299972	0.002310509	27.57647514	0.049276289	33.45776367	0.001821267	0.001821267	9.27508E-06	0.013049584	0.002648926	0.042046271	0.0447299	9.31686E-06	42.22906494	3.86964E-05	0.000538132
2068 Nov	164.6224518	0.106326304	0.050406672	0.002317687	27.64633942	0.049519088	33.61655426	0.001826995	0.001826995	9.30441E-06	0.013095734	0.002656092	0.042234216	0.044810288	9.3465E-06	42.33167648	3.87996E-05	0.000539161
2068 Dec	164.7033234	0.106394239	0.050428379	0.002318869	27.66056633	0.049549706	33.63240814	0.001827979	0.001827979	9.30939E-06	0.013103068	0.002657442	0.042254876	0.044832502	9.35151E-06	42.3527832	3.88191E-05	0.000539428
2069 Jan	164.7726746	0.106446296	0.050439782	0.002319715	27.67093277	0.049575806	33.649086	0.001828756	0.001828756	9.31331E-06	0.013108901	0.002658494	0.042273205	0.044848822	9.35548E-06	42.36948776	3.88341E-05	0.000539623
2069 Feb	164.8264008	0.106483184	0.050452027	0.002320366	27.67972946	0.049592488	33.66068649	0.00182932	0.00182932	9.31616E-06	0.013112967	0.002659341	0.042286128	0.044863477	9.35835E-06	42.38349915	3.88455E-05	0.000539792
2069 Mar	164.8562012	0.106503569	0.050459255	0.002320732	27.68470383	0.049601533	33.66695404	0.001829632	0.001829632	9.31775E-06	0.01311521	0.002659815	0.042293213	0.044871796	9.35995E-06	42.39136505	3.88519E-05	0.000539888
2069 Apr	165.1520691	0.106695354	0.050549198	0.002324873	27.73448372	0.049690388	33.72729492	0.001832905	0.001832905	9.33441E-06	0.013138665	0.00266459	0.042368706	0.044952665	9.37669E-06	42.46767426	3.89213E-05	0.000540858
2069 May	168.7383728	0.109071791	0.05144503	0.002368773	28.29515266	0.05075502	34.5488472	0.001868897	0.001868897	9.51766E-06	0.013401625	0.002718956	0.043306224	0.045858696	9.56145E-06	43.35668564	3.9677E-05	0.00055151
2069 Jun	141.7386322	0.085273117	0.042035375	0.002085955	22.81597519	0.043439507	28.99799347	0.001683984	0.001683984	8.56658E-06	0.012285676	0.002297402	0.037918571	0.037136719	8.60307E-06	35.5062561	3.70413E-05	0.000469912
2069 Jul	139.7662048	0.080197804	0.041650843	0.002159858	22.18559456	0.044218607	28.1856823	0.001759128	0.001759128	8.94038E-06	0.012869518	0.002296136	0.038211368	0.036100842	8.97504E-06	34.61062241	3.89854E-05	0.000470794
2069 Aug	146.1389313	0.081839301	0.042704321	0.002280288	22.97156334	0.047587804	29.67259026	0.001871731	0.001871731	9.5076E-06	0.013610594	0.002409148	0.040383406	0.037320953	9.54609E-06	35.94215012	4.08296E-05	0.0004892
2069 Sep	140.7401886	0.085014567	0.040040273	0.00218567	21.84729576	0.048804455	29.78959084	0.001786421	0.001786421	9.08203E-06	0.013061168	0.002282929	0.040263124	0.034320157	9.12172E-06	33.78456497	3.7782E-05	0.000450327
2069 Oct	131.951355	0.101200774	0.036024038	0.002030799	20.761343	0.051648762	29.22151184	0.001643283	0.001643283	8.36544E-06	0.012402911	0.002093744	0.03918162	0.030383103	8.40336E-06	30.87496185	3.31772E-05	0.000393155
2069 Nov	131.9814758	0.107308649	0.035652775	0.002030499	20.94928169	0.053191233	29.34182358	0.001641585	0.001641585	8.35759E-06	0.012503253	0.00208975	0.039344989	0.030185778	8.39531E-06	30.82490349	3.28108E-05	0.000388674
2069 Dec	132.09198	0.107474461	0.035667174	0.00203217	20.96960068	0.053259734	29.36514664	0.001643142	0.001643142	8.36543E-06	0.012516433	0.00209159	0.039376069	0.030211842	8.40319E-06	30.85223389	3.28368E-05	0.000388987
2070 Jan	132.1115723	0.107524857	0.035669301	0.002032368	20.97445297	0.053273652	29.36912155	0.001643318	0.001643318	8.36632E-06	0.012518332	0.002091899	0.039380368	0.030217553	8.40409E-06	30.85795021	3.28386E-05	0.000389035
2070 Feb	132.1268463	0.107551679	0.035672225	0.002032474	20.97823906	0.053279564	29.37159729	0.001643413	0.001643413	8.3668E-06	0.012519198	0.002092152	0.039382387	0.030223493	8.40457E-06	30.86316299	3.28398E-05	0.000389087
2070 Mar	132.2166443	0.107631058	0.035695896	0.002033788	20.99321556	0.053315327	29.39096069	0.001644482	0.001644482	8.37224E-06	0.012527388	0.002093584	0.039407697	0.03024549	8.41004E-06	30.88508987	3.28609E-05	0.000389357
2070 Apr	132.7249603	0.10804598	0.035833076	0.002041506	21.07505417	0.053517219	29.5023632	0.001650738	0.001650738	8.40409E-06	0.012574913	0.002101675	0.03955625	0.030364994	8.44202E-06	31.00577545	3.29859E-05	0.000390876
2070 May	137.5207825	0.113110714	0.037326094	0.002058362	22.5916729	0.053420026	29.47071838	0.001671582	0.001671582	8.50604E-06	0.012675741	0.002205125	0.039109848	0.03354476	8.54252E-06	33.37377548	3.35677E-05	0.000420397
2070 Jun	141.6297607	0.113211907	0.041535106	0.001963234	25.99627686	0.045661125	25.89166832	0.001597498	0.001597498	8.11942E-06	0.011747299	0.002384839	0.033520497	0.042440355	8.14254E-06	38.94857407	3.3339E-05	0.000497906
2070 Jul	150.1413422	0.117338553	0.043883082	0.002103424	27.57883644	0.048344623	27.02267838	0.001724645	0.001724645	8.75937E-06	0.012627742	0.002550374	0.035285532	0.045386065	8.78365E-06	41.48211288	3.6091E-05	0.000534762
2070 Aug	158.6231384	0.121327989	0.045709688	0.002234708	29.00476646	0.051748443	28.56399345	0.001846581	0.001846581	9.3733E-06	0.013418154	0.002708821	0.037314858	0.047934823	9.40066E-06	43.79753113	3.81976E-05	0.000564494
2070 Sep	152.3049316	0.118329428	0.042609639	0.002161069	27.12379456	0.052606825	28.96674156	0.001782382	0.001782382	9.05453E-06	0.012997047	0.002561357	0.037750565	0.043771911	9.08515E-06	40.7817955	3.59015E-05	0.000518097
2070 Oct	144.4893341	0.122000001	0.03905021	0.002065665	25.39428902	0.053836059	28.69422913	0.001700473	0.001700473	8.6439E-06	0.012654096	0.002394058	0.037443474	0.039554287	8.67551E-06	37.64339828	3.35088E-05	0.000469647
2070 Nov	143.8630676	0.122883707	0.038742289	0.002059174	25.26827812	0.054096319	28.68279076	0.001694631	0.001694631	8.61474E-06	0.012645733	0.002380262	0.037450068	0.039181933	8.64637E-06	37.37685394	3.33129E-05	0.000465351
2070 Dec	143.9733276	0.123027831	0.038754653	0.002060724	25.28801155	0.054158222	28.70568466	0.001696141	0.001696141	8.62232E-06	0.012658093	0.002382115	0.037478745	0.039209872	8.65401E-06	37.40515137	3.33387E-05	0.00046568
2071 Jan	144.0283051	0.123098157	0.038760681	0.002061432	25.29818344	0.054186843	28.7166481	0.001696847	0.001696847	8.62586E-06	0.012663821	0.002383045	0.037491705	0.039225105	8.65758E-06	37.42005157	3.33508E-05	0.000465853
2071 Feb	144.0562286	0.123130612	0.038764574	0.00206174	25.30361557	0.054198615	28.72180939	0.001697156	0.001697156	8.62741E-06	0.012666239	0.002383519	0.037497241	0.039233975	8.65914E-06	37.42825317	3.33563E-05	0.000465948
2071 Mar	144.0832214	0.123157322	0.038771011	0.002062081	25.30851364	0.054208744	28.72728539	0.001697442	0.001697442	8.62886E-06	0.012668438	0.002383956	0.037503816	0.039241578	8.6606E-06	37.43548203	3.33617E-05	0.000466033
2071 Apr	144.3248444	0.123364456	0.038835935	0.002065517	25.35113907	0.054299131	28.7752533	0.001700273	0.001700273	8.64325E-06	0.012689554	0.002387958	0.037566215	0.039307892	8.67504E-06	37.49857712	3.34174E-05	0.000466817
2071 May	147.4141693	0.126259923	0.039745048	0.002056811	26.2725544	0.053541046	28.87207413	0.001695956	0.001695956	8.62052E-06	0.012639177	0.002445142	0.03719807	0.041348681	8.65176E-06	39.02426147	3.36278E-05	0.000485088
2071 Jun	138.641449	0.107965149	0.041845229	0.001892005	26.29014397	0.041842688	23.84572572	0.00153867	0.00153867	7.82068E-06	0.011130566	0.002379689	0.03091323	0.044036087	7.83661E-06	39.52458191	3.24626E-05	0.000508628
2071 Jul	139.2917633	0.104520194	0.0429007	0.001974499	26.1946907	0.042422429	23.76420212	0.001602433	0.001602433	8.144E-06	0.011578074	0.002405342	0.031724047	0.043818198	8.15841E-06	39.3647995	3.41372E-05	0.000514958
2071 Aug	146.5878906	0.108904161	0.044625148	0.002093212	27.50279999	0.045422819	24.94918442	0.001710776	0.001710776	8.68986E-06	0.012317544	0.002542021	0.033501655	0.046050265	8.70596E-06	41.39633179	3.61183E-05	0.000542915
2071 Sep	144.6982117	0.10695868	0.043018587	0.002115019	26.64249039	0.048061602	25.47902679	0.001735357	0.001735357	8.81481E-06	0.012441843	0.002496616	0.034770757	0.043757457	8.8337E-06	39.92370605	3.5418E-05	0.000523267
2071 Oct	141.150177	0.108737297	0.04111414	0.002077606	25.71105957	0.049298886	25.64664078	0.001703359	0.001703359	8.65546E-06	0.012322066	0.002412962	0.035057984	0.041365739	8.67586E-06	38.23762131	3.41859E-05	0.000497086
2071 Nov	140.7118378	0.113082357	0.040062696	0.002074857	25.46385956	0.051091049	26.13945961	0.001704002	0.001704002	8.65956E-06	0.012449402	0.00238866	0.035672959	0.04031891	8.6818E-06	37.64543152	3.38141E-05	0.000485526
2071 Dec	140.7391205	0.113457516	0.040002737	0.002075527	25.45996666	0.051241115	26.17983246	0.001704862	0.001704862	8.66393E-06	0.012464674	0.002388128	0.03572505	0.040268615	8.6863E-06	37.62340927	3.38046E-05	0.000484975
2072 Jan	140.7670441	0.113509461	0.040003911	0.00207586	25.46504974	0.0512603	26.18676949	0.001705192	0.001705192	8.66559E-06	0.012467726	0.002388551	0.035733216	0.040274408	8.68798E-06	37.63005066	3.3809E-05	0.000485036
2072 Feb	140.7881927	0.11353761	0.040007241	0.002076044	25.46931458	0.05126863	26.19101334	0.001705366	0.001705366	8.66647E-06	0.012469154	0.002388887	0.03573741	0.04028111	8.68887E-06	37.63630676	3.38117E-05	0.000485102
2072 Mar	140.825592	0.113574177	0.040015455	0.002076525	25.47643852	0.051283143	26.19778442	0.001705796	0.001705796	8.66865E-06	0.012472373	0.002389527	0.035745796	0.040292606	8.69105E-06	37.64692307	3.38197E-05	0.000485232
2072 Apr	141.2380829	0.113908589	0.040132273	0.002082571	25.55129814	0.051432889	26.27432823	0.001710768	0.001710768	8.69391E-06	0.012508728	0.002396529	0.035849847	0.040411241	8.71639E-06	37.75759888	3.39182E-05	0.000486655
2072 May	143.3670502	0.115625359	0.040736895	0.002113917	25.93707466	0.052206505	26.66924286	0.001736539	0.001736539	8.82486E-06	0.012697074	0.002432689	0.036388427	0.041022383	8.84767E-06	38.32793427	3.44292E-05	0.000494008
2072 Jun	123.802124	0.094369411	0.0344542	0.002005375	21.3979435	0.048185397	22.92502213	0.001680981	0.001680981	8.52846E-06	0.012512522	0.002131891	0.033617817	0.033464294	8.54844E-06	31.80221748	3.45714E-05	0.00043225
2072 Jul	120.2385635	0.085790902	0.033652946	0.00205177	20.34895515	0.048314691	22.07523727	0.001730882	0.001730882	8.77578E-06	0.012815624	0.002103574	0.033576105	0.031858634	8.79451E-06	30.37707138	3.57017E-05	0.000422987
2072 Aug	118.3759995	0.08089482	0.032423846	0.002054281	19.86693573	0.051471636	22.39686966	0.001737166	0.001737166	8.80812E-06	0.012437025	0.002082093	0.034365822	0.030397905	8.8285E-06	29.43392944	3.28755E-05	0.000403632
2072 Sep	115.9955826	0.081399947	0.03101824	0.002020816	19.62375641	0.054181669	22.4080162	0.001710042	0.001710042	8.67179E-06	0.011981218	0.002040172	0.034638584	0.029108226	8.69265E-06	28.62021446	2.97498E-05	0.000385559
2072 Oct	111.7923889	0.091000743	0.029633408	0.001922123	19.21952629	0.0548051	22.29260063	0.001605463	0.001605463	8.15184E-06	0.011439678	0.001931597	0.034037493	0.027229648	8.17123E-06	27.25144196	2.69581E-05	0.000355798
2072 Nov	111.8693848	0.09383963	0.029588534	0.001918459	19.29790306	0.055280358	22.42177582	0.001598607	0.001598607	8.11883E-06	0.011451562	0.001926348	0.034139365	0.027115524	8.13811E-06	27.21636581	2.67652E-05	0.000353224
2072 Dec	111.9244843	0.093937412	0.029597513	0.001919191	19.30773163	0.05531463	22.43628502	0.001599197	0.001599197	8.12185E-06	0.011457114	0.001927119	0.034157384	0.027125455	8.14115E-06	27.2283268	2.67741E-05	0.000353332
2073 Jan	111.9532623	0.093983829	0.029602554	0.001919491	19.31321716	0.055328649	22.44320488	0.001599441	0.001599441	8.1231E-06	0.011459397	0.00192753	0.034164999	0.027132431	8.14241E-06	27.23560333	2.6778E-05	0.000353401
2073 Feb	111.9798584	0.094013616	0.02960792	0.001919795	19.31854248	0.05533931	22.44808388	0.001599715	0.001599715	8.12448E-06	0.011461455	0.001927978	0.03417062	0.027140887	8.1438E-06	27.24339867	2.67826E-05	0.000353491
2073 Mar	112.0318832	0.094061591	0.029620731	0.001920602	19.3279171	0.055363685	22.45829773	0.001600399	0.001600399	8.12795E-06	0.011466412	0.001928867	0.034185149	0.027154567	8.14728E-06	27.25676537	2.6794E-05	0.000353659
2073 Apr	112.7624664	0.094675362	0.029813876	0.001933093	19.45420647	0.055723604	22.60442734	0.00161081	0.00161081	8.18083E-06	0.011540986	0.001941451	0.03440728	0.027332438	8.20028E-06	27.43498611	2.69684E-05	0.00035597
2073 May	129.7668915	0.10329061	0.034008231	0.001971302	22.20062637	0.05424238	26.58501434	0.001632076	0.001632076	8.30253E-06	0.01173357	0.002156089	0.036987178	0.033065882	8.32915E-06	32.48674393	2.91601E-05	0.000410556
2073 Jun	146.6439514	0.10488984	0.040693104	0.001901843	25.90342331	0.044142552	28.46831322	0.001553192	0.001553192	7.91673E-06	0.011098339	0.002402548	0.035823364	0.042752784	7.94315E-06	39.67889786	3.18465E-05	0.000499387
2073 Jul	149.2283173	0.104727291	0.041832089	0.001973051	26.36333656	0.045201857	28.68622208	0.001612838	0.001612838	8.21811E-06	0.011485479	0.002463795	0.036513124	0.043629032	8.24375E-06	40.38889313	3.31161E-05	0.000511771
2073 Aug	156.9389648	0.108576581	0.043531053	0.002095457	27.72200203	0.048378345	29.97621346	0.00172689	0.00172689	8.79233E-06	0.012222197	0.002612309	0.038304586	0.046066143	8.82012E-06	42.56477737	3.50632E-05	0.00054014
2073 Sep	157.1816101	0.1083382	0.04287	0.002121776	27.45136642	0.050300062	30.57820892	0.001753487	0.001753487	8.92745E-06	0.012370315	0.002610929	0.039245825	0.04521089	8.95743E-06	42.10390091	3.48754E-05	0.000531954

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2073 Oct	150.8804321	0.110890001	0.0396883	0.002051961	25.77904701	0.051785771	30.8126564	0.001692146	0.001692146	8.62217E-06	0.012148459	0.002463855	0.039540414	0.041141164	8.65451E-06	39.17213821	3.2986E-05	0.000486429
2073 Nov	149.9835663	0.112621464	0.039025918	0.002041512	25.52719688	0.052380674	30.93633652	0.001684009	0.001684009	8.58166E-06	0.012161441	0.002439696	0.03968351	0.04041196	8.61466E-06	38.68239594	3.26999E-05	0.000478221
2073 Dec	150.1622925	0.112802267	0.039054297	0.002043897	25.55723953	0.052462704	30.97501373	0.001686221	0.001686221	8.59282E-06	0.012178618	0.002442601	0.039730832	0.040457133	8.62591E-06	38.72761917	3.27396E-05	0.000478756
2074 Jan	150.2134094	0.112864882	0.0390593	0.002044468	25.56495094	0.052487638	30.98860931	0.001686761	0.001686761	8.59555E-06	0.01218326	0.002443327	0.039745837	0.040467355	8.62868E-06	38.73916245	3.2749E-05	0.000478871
2074 Feb	150.2263947	0.112882711	0.03906082	0.002044525	25.56667137	0.052491821	30.99308586	0.001686797	0.001686797	8.59575E-06	0.012183797	0.002443455	0.039749891	0.040469352	8.62889E-06	38.7417717	3.27498E-05	0.000478887
2074 Mar	150.3107605	0.112948142	0.039082322	0.002045625	25.58126259	0.052520499	31.0103302	0.001687711	0.001687711	8.60041E-06	0.012190408	0.002444825	0.039771441	0.040492732	8.63356E-06	38.76395035	3.27675E-05	0.000479158
2074 Apr	151.1190033	0.113555923	0.039292499	0.002056604	25.7190876	0.052802235	31.17669296	0.001696772	0.001696772	8.64658E-06	0.012255829	0.002457981	0.039984606	0.040711217	8.67991E-06	38.97284698	3.29435E-05	0.000481739
2074 May	162.7809753	0.117116675	0.041850515	0.002037476	27.58132744	0.049984928	33.80485916	0.001680989	0.001680989	8.57555E-06	0.012137261	0.0026005	0.041188475	0.04514182	8.61408E-06	42.73740005	3.4204E-05	0.000523245
2074 Jun	157.2815247	0.104771271	0.043752834	0.001829553	27.60664558	0.038160551	30.85021973	0.001478311	0.001478311	7.5566E-06	0.010521473	0.002521995	0.036214422	0.047500018	7.58487E-06	43.41768646	3.27422E-05	0.00053822
2074 Jul	165.0705872	0.108658783	0.046042409	0.001960207	29.03517342	0.040630206	31.95269394	0.001592625	0.001592625	8.13414E-06	0.01131759	0.002670292	0.037971973	0.050077721	8.16296E-06	45.66212845	3.52298E-05	0.000570815
2074 Aug	173.6084137	0.114106178	0.048246514	0.002067517	30.55062866	0.043086562	33.54232407	0.001684481	0.001684481	8.60082E-06	0.011950939	0.002814419	0.039919902	0.052713025	8.63143E-06	48.05449295	3.70867E-05	0.000601019
2074 Sep	178.7583771	0.117390834	0.04756739	0.0021452	30.62199974	0.046999775	35.87400436	0.001764081	0.001764081	9.00448E-06	0.012580252	0.002864624	0.042775027	0.052184161	9.043E-06	48.31587219	3.81379E-05	0.000600847
2074 Oct	175.7427826	0.119600639	0.045086242	0.002111104	29.16706657	0.048908155	37.19849014	0.001730302	0.001730302	8.8428E-06	0.012551622	0.00275263	0.044341546	0.048465796	8.88589E-06	45.90575027	3.70327E-05	0.000562383
2074 Nov	175.8773651	0.120366856	0.044803564	0.002108366	29.00845909	0.049267117	37.59922028	0.001726783	0.001726783	8.82714E-06	0.012567517	0.002741347	0.044755492	0.047999471	8.87133E-06	45.65864182	3.69409E-05	0.000557546
2074 Dec	176.0422363	0.120484114	0.044820864	0.002109632	29.02044487	0.049316358	37.6632309	0.001727753	0.001727753	8.83226E-06	0.012576915	0.002742812	0.044820722	0.048009764	8.8766E-06	45.68186569	3.69648E-05	0.000557697
2075 Jan	176.0969543	0.120521791	0.044824373	0.002109922	29.02336884	0.049330607	37.68663406	0.001727966	0.001727966	8.83342E-06	0.012579363	0.002743203	0.044843134	0.04801134	8.87782E-06	45.68857574	3.6971E-05	0.000557721
2075 Feb	176.1474915	0.120554522	0.044832882	0.002110306	29.02917671	0.049341977	37.7024498	0.001728266	0.001728266	8.83499E-06	0.012581859	0.002743781	0.044858854	0.048020072	8.87942E-06	45.69888306	3.69784E-05	0.000557819
2075 Mar	176.3239899	0.120676063	0.044877496	0.002112378	29.05844116	0.04939051	37.74010849	0.001729966	0.001729966	8.84368E-06	0.012594224	0.002746529	0.044903137	0.048068773	8.88816E-06	45.74504852	3.70148E-05	0.00055838
2075 Apr	177.1719055	0.121257007	0.045093339	0.00212252	29.1984539	0.049627576	37.92119217	0.001738276	0.001738276	8.88616E-06	0.012654692	0.002759748	0.045118421	0.048300643	8.93085E-06	45.96545792	3.71926E-05	0.00056107
2075 May	186.9312744	0.125616506	0.045840412	0.002163823	29.73551369	0.051174447	41.91762924	0.001770265	0.001770265	9.06037E-06	0.012997031	0.002833535	0.048746414	0.048951671	9.11592E-06	47.3608284	3.83709E-05	0.000569379
2075 Jun	152.3403778	0.085752666	0.036355652	0.001945302	21.48711777	0.042738561	36.17661285	0.001608217	0.001608217	8.23129E-06	0.012098218	0.002260468	0.044574741	0.034799132	8.2804E-06	35.33411407	3.70816E-05	0.000447414
2075 Jul	140.4941711	0.071948536	0.034561291	0.001976599	19.27959251	0.041619241	32.78799438	0.001642997	0.001642997	8.39714E-06	0.01235535	0.002132376	0.042803947	0.031026589	8.43803E-06	31.76299858	3.81723E-05	0.00042252
2075 Aug	145.1594543	0.07306435	0.035382051	0.002079125	19.928339	0.044440713	33.67769623	0.001740124	0.001740124	8.88577E-06	0.012984008	0.002227657	0.044337906	0.032101568	8.92849E-06	32.82748795	3.97241E-05	0.000437982
2075 Sep	147.5789642	0.074619889	0.035592053	0.002125811	20.25300217	0.046214279	34.27942657	0.001785063	0.001785063	9.11219E-06	0.01328033	0.002271071	0.045248561	0.032500047	9.1564E-06	33.31370926	4.02552E-05	0.000443813
2075 Oct	145.9291077	0.076955907	0.034653764	0.00210227	20.00222015	0.047285285	34.28047943	0.001764829	0.001764829	9.01078E-06	0.013146028	0.00223839	0.045190293	0.031636074	9.0553E-06	32.69574356	3.91483E-05	0.000430898
2075 Nov	146.6340637	0.078226291	0.034623325	0.002110916	20.10117912	0.047868665	34.51527405	0.001773451	0.001773451	9.05441E-06	0.013221825	0.0022478	0.045459833	0.031706341	9.09958E-06	32.82011032	3.92167E-05	0.000431526
2075 Dec	146.7828674	0.078377247	0.034637101	0.002112919	20.12161255	0.047947533	34.55513382	0.001775355	0.001775355	9.06404E-06	0.013237026	0.002250011	0.04550793	0.031732954	9.10931E-06	32.85151672	3.92489E-05	0.000431865
2076 Jan	146.8182373	0.078418843	0.034640197	0.002113255	20.12699318	0.047964305	34.56496048	0.001775674	0.001775674	9.06566E-06	0.013239612	0.002250503	0.045518152	0.031740244	9.11095E-06	32.85967255	3.92532E-05	0.000431938
2076 Feb	146.8844452	0.078462958	0.034654088	0.002114058	20.1371212	0.047985218	34.58000183	0.001776372	0.001776372	9.06921E-06	0.013244756	0.002251525	0.045536015	0.031756885	9.11453E-06	32.87606812	3.92677E-05	0.000432136
2076 Mar	147.0241699	0.078540333	0.034687202	0.002116013	20.15709114	0.048029575	34.61190796	0.001778022	0.001778022	9.07764E-06	0.013256987	0.002253693	0.045577504	0.031789072	9.12299E-06	32.90855408	3.9304E-05	0.00043256
2076 Apr	147.4346161	0.078761011	0.034784168	0.002121891	20.21383286	0.048162911	34.70794296	0.001782965	0.001782965	9.10287E-06	0.0132938	0.002260001	0.045703694	0.031878967	9.14835E-06	33.00112915	3.94132E-05	0.000433775
2076 May	152.6840973	0.085044093	0.035976902	0.002127296	21.85655785	0.048434198	34.82949829	0.00179932	0.00179932	9.18015E-06	0.013344236	0.002369974	0.045192115	0.035284821	9.22542E-06	35.58082199	3.96219E-05	0.000463416
2076 Jun	141.1064453	0.087306708	0.036360603	0.001818746	24.12977028	0.038505111	26.47955322	0.001559738	0.001559738	7.93362E-06	0.01123192	0.002355473	0.033582203	0.042138301	7.95864E-06	38.56479263	3.45708E-05	0.000503366
2076 Jul	141.1221008	0.0856895	0.037161969	0.001881179	24.14230156	0.039240915	26.1419487	0.001607441	0.001607441	8.17537E-06	0.011560079	0.002376233	0.033967547	0.042055041	8.19785E-06	38.44770813	3.56329E-05	0.000507638
2076 Aug	149.9530182	0.09049014	0.038997721	0.002020436	25.70723152	0.042768668	27.53442764	0.001740044	0.001740044	8.84239E-06	0.012456342	0.002545259	0.036015134	0.044864669	8.86707E-06	40.96504974	3.80799E-05	0.000542215
2076 Sep	153.7172394	0.093103528	0.039488286	0.002084182	26.24695587	0.044940688	28.4106884	0.00180013	0.00180013	9.14577E-06	0.012875984	0.002609526	0.037277959	0.045615714	9.17233E-06	41.79405975	3.89835E-05	0.000552668
2076 Oct	149.0471344	0.095430329	0.037209433	0.002029609	24.88801193	0.046440601	29.01394272	0.001742384	0.001742384	8.86277E-06	0.012605819	0.002484638	0.0379983	0.042060368	8.89136E-06	39.3212204	3.70264E-05	0.000512241
2076 Nov	148.4828491	0.096832104	0.03675469	0.002022761	24.6939621	0.047013413	29.21528435	0.001735165	0.001735165	8.82785E-06	0.012599916	0.002465378	0.038234185	0.041438498	8.85704E-06	38.9236908	3.67093E-05	0.000505064
2076 Dec	148.6306	0.096971534	0.036775876	0.002024685	24.71657372	0.047078721	29.2500782	0.001736953	0.001736953	8.8369E-06	0.012614042	0.002467669	0.038276408	0.041472007	8.86615E-06	38.95874405	3.67431E-05	0.000505476
2077 Jan	148.6543732	0.097004727	0.036776923	0.002024876	24.71919823	0.047090854	29.25886536	0.001737114	0.001737114	8.83774E-06	0.012615725	0.002467908	0.038285542	0.041473947	8.86702E-06	38.96255112	3.67454E-05	0.000505494
2077 Feb	148.6894531	0.097034216	0.036783315	0.002025251	24.7252121	0.047102183	29.26621819	0.00173746	0.00173746	8.83949E-06	0.012618313	0.002468465	0.038293581	0.041484084	8.86878E-06	38.97212601	3.67522E-05	0.000505606
2077 Mar	148.7427521	0.097070724	0.036796395	0.002025936	24.73444176	0.047118284	29.27636528	0.001738052	0.001738052	8.8425E-06	0.012622584	0.002469356	0.038306396	0.041499857	8.8718E-06	38.98666763	3.67647E-05	0.000505792
2077 Apr	149.2470856	0.097400583	0.036921218	0.002032784	24.81857491	0.047277492	29.37528801	0.00174393	0.00174393	8.87241E-06	0.012665247	0.002477738	0.038435627	0.041641258	8.90181E-06	39.11927795	3.6889E-05	0.000507511
2077 May	153.2953644	0.101240739	0.0376633	0.002032692	25.7372036	0.047266532	29.99520111	0.00174874	0.00174874	8.89645E-06	0.012693415	0.002541434	0.038602043	0.043534104	8.92703E-06	40.66895676	3.71294E-05	0.000524173
2077 Jun	147.7834778	0.097153865	0.038268123	0.001851202	26.06151772	0.039850872	27.09759521	0.00158433	0.00158433	8.06249E-06	0.011387042	0.0024791	0.033978552	0.045544598	8.08469E-06	41.28717804	3.48187E-05	0.000532669
2077 Jul	154.2298279	0.099298842	0.040038966	0.001978282	27.08698082	0.042101465	28.03007126	0.00169864	0.00169864	8.63955E-06	0.012216632	0.002603255	0.035735939	0.047401138	8.66223E-06	42.96405029	3.74736E-05	0.000560301
2077 Aug	162.8667908	0.104136288	0.041807767	0.002103331	28.54586029	0.045290597	29.58389091	0.001815579	0.001815579	9.22943E-06	0.013018653	0.00275729	0.037859231	0.049952805	9.25471E-06	45.3235817	3.96789E-05	0.000591981
2077 Sep	154.4102936	0.101657599	0.037523679	0.002047473	26.34589386	0.048300523	29.48854637	0.001777818	0.001777818	9.03806E-06	0.0127612	0.002586617	0.038453549	0.044692121	9.06684E-06	41.54542542	3.69216E-05	0.000538917
2077 Oct	150.8977051	0.105379142	0.035549529	0.002014684	25.55700493	0.050067663	29.5155983	0.001751936	0.001751936	8.90795E-06	0.012712569	0.002509792	0.038629595	0.042463545	8.93787E-06	39.9769783	3.57032E-05	0.000513939
2077 Nov	151.2944794	0.105887465	0.035593059	0.002019973	25.61706543	0.050289895	29.61906052	0.00175678	0.00175678	8.93257E-06	0.012753716	0.002515626	0.038760588	0.042535309	8.96267E-06	40.06208038	3.57841E-05	0.000514839
2077 Dec	151.4333191	0.106021471	0.035613142	0.00202181	25.63983154	0.050352443	29.64908791	0.00175852	0.00175852	8.94135E-06	0.012767227	0.002517874	0.038797915	0.04257001	8.97151E-06	40.09703827	3.58161E-05	0.000515264
2078 Jan	151.5008392	0.106087111	0.035622332	0.002022643	25.65112877	0.050381586	29.66355133	0.001759325	0.001759325	8.9454E-06	0.012773454	0.002518963	0.038814995	0.04258772	8.9756E-06	40.11458969	3.58307E-05	0.000515473
2078 Feb	151.5404358	0.106120683	0.035629578	0.002023097	25.6581974	0.050395224	29.6711998	0.001759752	0.001759752	8.94755E-06	0.012776601	0.00251962	0.038823783	0.042599704	8.97777E-06	40.12572861	3.58389E-05	0.000515609
2078 Mar	151.592392	0.10616076	0.035640407	0.002023748	25.66715431	0.050413016	29.68141365	0.001760338	0.001760338	8.95052E-06	0.012780899	0.00252048	0.038836405	0.042614657	8.98076E-06	40.13978958	3.58505E-05	0.000515785
2078 Apr	152.5395508	0.106825061	0.035862908	0.002036373	25.82771111	0.050727729	29.8666687	0.001771325	0.001771325	9.00639E-06	0.01286066	0.002536233	0.039078545	0.042881392	9.03681E-06	40.39088821	3.60742E-05	0.00051901
2078 May	160.9722137	0.111255974	0.037854776	0.001969733	27.64165878	0.047395471	31.32561684	0.001715791	0.001715791	8.73062E-06	0.012411984	0.002647189	0.038765382	0.047282591	8.76355E-06	43.84319687	3.60524E-05	0.000554137
2078 Jun	153.5986481	0.103931487	0.039477855	0.001779723	27.67821121	0.03850716	28.0919075	0.001519098	0.001519098	7.74197E-06	0.010811623	0.002553025	0.033802841	0.048784945	7.7632E-06	43.88367844	3.32797E-05	0.000554476
2078 Jul	163.1021729	0.109544583	0.041841645	0.001909213	29.45712471	0.041365042	29.56578827	0.001636701	0.001636701	8.33626E-06	0.01160873	0.002728714	0.035740074	0.052055396	8.3588E-06	46.72703171	3.56604E-05	0.00059194
2078 Aug	171.8370972	0.113029286	0.043495432	0.002047066	30.95605278	0.045272373	31.09666061	0.001769281	0.001769281	9.00319E-06	0.012407691	0.002901934	0.037778661	0.054824781	9.02869E-06	49.19061279	3.76237E-05	0.000622374
2078 Sep	174.3655853	0.113536589	0.043553457	0.002098095	31.13495255	0.047614966	32.05435562	0.001816274	0.001816274	9.24222E-06	0.012656134	0.002940879	0.039145093	0.054820985	9.27005E-06	49.45871353	3.77694E-05	0.000623554
2078 Oct	173.1153564	0.112763137	0.042157978	0.002071364	30.14239502	0.048423421	33.31188583	0.001787499	0.001787499	9.10535E-06	0.012512485	0.002870924	0.040449563	0.052449867	9.13706E-06	47.97635651	3.68371E-05	0.000598342
2078 Nov	173.1846008	0.112954073	0.041884962	0.002068879	29.96148491	0.04874596	33.70342636	0.00178406	0.00178406	9.0902E-06	0.012507844	0.002859436	0.040863492	0.051967259	9.12299E-06	47.70975876	3.66904E-05	0.000593294
2078 Dec	173.3260803	0.113061652	0.041904155	0.002070464	29.98273659	0.048798729	33.73726273	0.001785581	0.001785581	9.09788E-06	0.012519085	0.002861599	0.040900424	0.052001938	9.13076E-06	47.74483871	3.67183E-05	0.000593695
2079 Jan	173.4273682	0.113132782	0.041915212	0.002071479	29.99700928	0.048834387	33.76318359	0.00178659	0.00178659	9.10297E-06	0.012526476	0.002863079	0.040926639	0.052025743	9.13592E-06	47.76945496	3.67366E-05	0.000593965
2079 Feb	173.4726257	0.113163278	0.041920904	0.002071891	30.00382614	0.048848178	33.77411652	0.001787004	0.001787004	9.10505E-06	0.012529412	0.002863753	0.040937141	0.052037723	9.13804E-06	47.78122711	3.67443E-05	0.000594096
2079 Mar	173.5926056	0.113242365	0.041948464	0.002073276	30.02447891	0.048881922	33.79782486	0.001788217	0.001788217	9.11122E-06	0.012537911	0.002865719	0.040964965	0.052073739	9.14424E-06	47.8143692	3.6769E-05	0.000594503
2079 Apr	174.2071686	0.113643929	0.042097043	0.002080602	30.13099861	0.04905457	33.91717529	0.001794538	0.001794538	9.14343E-06	0.012582209	0.002875873	0.041109461	0.052258659	9.17656E-06	47.98398972	3.68989E-05	0.000596612
2079 May	177.5549316	0.115714155	0.042700432	0.002113062	30.62487793	0.04993413	34.72743988	0.001823609	0.001823609	9.29196E-06	0.01279242	0.002924836	0.041975122	0.053108398	9.32659E-06	48.8226738	3.75081E-05	0.000606192
2079 Jun	140.7530212	0.080747478	0.033548035	0.001830191	22.62893486	0.040143847	28.20803833	0.001589703	0.001589703	8.09781E-06	0.011461525	0.002306564	0.036264159	0.039156232	8.12538E-06	36.76154327	3.48841E-05	0.000479862
2079 Jul	132.4246216	0.070411645	0.032447174	0.001880486	20.7248745	0.039915159	26.32885551	0.001628961	0.001628961	8.29343E-06	0.011808251	0.002200442	0.035887823	0.035529297	8.31621E-06	33.64748001	3.61289E-05	0.000455566
2079 Aug	138.7888641	0.072360881	0.033594139	0.002002394	21.61495018	0.043117408	27.58808136	0.001744041	0.001744041	8.87352E-06	0.012573108	0.002322783	0.037844095	0.037066866	8.89863E-06	35.14518356	3.81393E-05	0.00047651
2079 Sep	137.447464	0.074948348	0.031958032	0.001996056	21.04703522	0.04587429	28.32997322	0.001741429	0.001741429	8.86264E-06	0.012557695	0.00228173	0.03877024	0.035251345	8.89068E-06	34.02512741	3.68136E-05	0.000454309
2079 Oct	136.4767914	0.081814922	0.030372506	0.001958614	20.69473839	0.047857776	29.12407875	0.001709033	0.001709033	8.70266E-06	0.012483951	0.002231835	0.039372306	0.033772223	8.73337E-06	33.17249298	3.54994E-05	0.000433805
2079 Nov	136.2807007	0.086571299	0.029595684	0.001940368	20.61144257	0.049026862	29.56548882	0.001693344	0.001693344	8.62525E-06	0.012481473	0.002210424	0.039702561	0.033136893	8.65727E-06	32.84730148	3.48891E-05	0.000424432
2079 Dec	136.1158447	0.090403027	0.029016089	0.001926574	20.56674767	0.049937245	29.87319565	0.001681389	0.001681389	8.56619E-06	0.012484748	0.002194486	0.039928876	0.032676216	8.59907E-06	32.61312485	3.44302E-05	0.000417498
2080 Jan	136.1358185	0.090500228	0.029014098	0.001926582	20.57101059	0.049953453	29.88035393	0.001681402	0.001681402	8.56628E-06	0.012485954	0.002194667	0.039934713	0.032679223	8.59917E-06	32.61763382	3.44278E-05	0.000417499
2080 Feb	136.1743927	0.090549164	0.029019875	0.001926895	20.5785408	0.049967371	29.88834	0.001681702	0.001681702	8.5678E-06	0.01248844	0.002195267	0.039942384	0.032691326	8.6007E-06	32.62893677	3.44329E-05	0.000417616
2080 Mar	136.2049255	0.09058214	0.029024657	0.001927212	20.58418655	0.049978916	29.89447403	0.001682005	0.001682005	8.56933E-06	0.012490813	0.002195764	0.039949004	0.03270055	8.60225E-06	32.63759232	3.44384E-05	0.000417714
2080 Apr	136.5451355	0.090812929	0.029096626	0.001931974	20.6362381	0.050103389	29.96849251	0.001686176	0.001686176	8.59057E-06	0.012521788	0.002201264	0.040047254	0.032783654	8.62357E-06	32.72003937	3.45236E-05	0.000418766
2080 May	138.6234436	0.092206694	0.029543687	0.001961045	20.95946884	0.050850432	30.40976715	0.0017117	0.0017117	8.72049E-06	0.012710443	0.002235222	0.040635314	0.033306845	8.75397E-06	33.23249435	3.5047E-05	0.000425346
2080 Jun	121.5509796	0.077259287	0.026348403	0.001863804	17.93668938	0.046102837	26.0695076	0.001634275	0.001634275	8.31671E-06	0.012306172	0.001992104	0.036942687	0.028300432	8.34268E-06	28.47393227	3.4717E-05	0.000384561
2080 Jul	114.754715	0.066587493	0.025973143	0.001891244	16.69069481	0.044770937	23.98023796	0.001655884	0.001655884	8.42152E-06	0.012385862	0.00192625	0.03577764	0.026380222	8.44189E-06	26.51096725	3.54644E-05	0.000372416
2080 Aug	118.1359253	0.066207789	0.026570356	0.001982873	17.19632912	0.047730826	24.59179688	0.001742871	0.001742871	8.85902E-06	0.012842159	0.00201171	0.036956199	0.027238958	8.88031E-06	27.30595207	3.62668E-05	0.000381872

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2080 Sep	118.1439514	0.066665508	0.025949383	0.001978317	17.26637268	0.04998152	24.97997665	0.001741443	0.001741443	8.85221E-06	0.012611301	0.002014865	0.03739199	0.02693185	8.87487E-06	27.21600342	3.44061E-05	0.000373313
2080 Oct	118.4557114	0.072870851	0.025043581	0.001939118	17.37038612	0.051490504	25.68344307	0.001707242	0.001707242	8.68223E-06	0.012415265	0.001994944	0.037734091	0.026516521	8.70701E-06	27.12476349	3.28816E-05	0.000362576
2080 Nov	119.5702515	0.079308964	0.024532083	0.001911851	17.54156494	0.052608769	26.52804947	0.001680704	0.001680704	8.55252E-06	0.012336919	0.001984167	0.038274355	0.026291208	8.57915E-06	27.19560814	3.20349E-05	0.000355686
2080 Dec	119.7653732	0.079920962	0.024511747	0.001911535	17.57301903	0.052749999	26.61485672	0.001680288	0.001680288	8.55076E-06	0.012344033	0.001985209	0.03834768	0.02630035	8.57756E-06	27.22770309	3.20024E-05	0.000355504
2081 Jan	119.8149643	0.079987586	0.024517037	0.001911993	17.58154869	0.052772649	26.62720299	0.001680721	0.001680721	8.55296E-06	0.012347776	0.001985924	0.038360659	0.02631232	8.57979E-06	27.24021912	3.2009E-05	0.000355625
2081 Feb	119.8477097	0.080023535	0.024522105	0.001912256	17.58766937	0.052783467	26.63418198	0.001680972	0.001680972	8.55424E-06	0.012349734	0.001986429	0.038367357	0.02632241	8.58108E-06	27.24967384	3.20133E-05	0.000355725
2081 Mar	119.8925323	0.080058053	0.024531171	0.001912864	17.59502792	0.052800886	26.64353752	0.001681512	0.001681512	8.55698E-06	0.012353694	0.001987171	0.03837961	0.026334163	8.58383E-06	27.2610836	3.20235E-05	0.000355866
2081 Apr	120.3453293	0.08036419	0.024624798	0.001919938	17.66324615	0.052995373	26.74194145	0.001687746	0.001687746	8.58869E-06	0.012399329	0.001994723	0.038520064	0.026438281	8.61564E-06	27.36686897	3.21423E-05	0.000357241
2081 May	132.711731	0.092745505	0.028519075	0.001922583	21.26303673	0.051424239	27.35189056	0.001695768	0.001695768	8.62548E-06	0.012379653	0.002223709	0.037614405	0.034020532	8.65114E-06	33.12485504	3.31095E-05	0.000425657
2081 Jun	136.7129822	0.096545048	0.03278669	0.001794107	24.12512589	0.043632805	25.16435623	0.001568786	0.001568786	7.98058E-06	0.011276725	0.002335005	0.033093382	0.041110773	7.99706E-06	37.68009186	3.21494E-05	0.000483205
2081 Jul	143.4641571	0.100868642	0.034587331	0.001888478	25.34303284	0.045691267	26.31671333	0.001649931	0.001649931	8.39347E-06	0.011849877	0.002453963	0.034696322	0.04322372	8.41021E-06	39.57580185	3.38581E-05	0.00050833
2081 Aug	151.2550354	0.106267087	0.036356337	0.001994026	26.75401878	0.048421189	27.67758751	0.001745266	0.001745266	8.87652E-06	0.012512598	0.002592132	0.036523033	0.045652341	8.89444E-06	41.77975845	3.56614E-05	0.000536735
2081 Sep	164.3996582	0.115302995	0.038407136	0.002159331	29.2045517	0.053305838	29.77837753	0.001915013	0.001915013	9.72546E-06	0.013665716	0.002833095	0.039102014	0.050108664	9.74915E-06	45.76924896	3.86479E-05	0.000588971
2081 Oct	168.1786957	0.118508175	0.038545802	0.002191523	29.58386612	0.054818749	31.05578041	0.001946504	0.001946504	9.88676E-06	0.013934276	0.002875474	0.040443253	0.050561428	9.91391E-06	46.44721985	3.92147E-05	0.000594906
2081 Nov	166.719696	0.118374847	0.037518606	0.002151071	28.83226776	0.05464479	31.81511116	0.00190477	0.00190477	9.68336E-06	0.013719114	0.00281025	0.041085355	0.048825961	9.71257E-06	45.31241989	3.8378E-05	0.000575727
2081 Dec	166.7285309	0.118632816	0.037388366	0.002147735	28.75814629	0.054725546	31.97821617	0.001901236	0.001901236	9.66657E-06	0.013709913	0.002804131	0.041238725	0.04862446	9.69621E-06	45.20108032	3.83052E-05	0.000573528
2082 Jan	166.7521515	0.118662842	0.037386317	0.002147729	28.75854111	0.054733846	31.99123192	0.001901208	0.001901208	9.66649E-06	0.013710499	0.002804176	0.041250747	0.048621945	9.69616E-06	45.20235443	3.83049E-05	0.000573495
2082 Feb	166.8076019	0.118706934	0.0373955	0.002148217	28.76766777	0.054748971	32.00370026	0.001901665	0.001901665	9.66882E-06	0.01371392	0.002805007	0.041263375	0.048637688	9.69851E-06	45.21737671	3.83142E-05	0.000573664
2082 Mar	166.9028778	0.118776612	0.037416488	0.002149361	28.78443146	0.054778431	32.02185822	0.001902685	0.001902685	9.674E-06	0.013721252	0.002806599	0.041285697	0.048666473	9.70371E-06	45.24385834	3.83348E-05	0.000573994
2082 Apr	167.3724518	0.119111732	0.037521988	0.002155376	28.86585617	0.05493151	32.11137772	0.001908013	0.001908013	9.70109E-06	0.013759631	0.002814509	0.041400764	0.04880454	9.73088E-06	45.37184143	3.84421E-05	0.000575617
2082 May	169.6665497	0.120745368	0.03803673	0.002184885	29.26247215	0.055682722	32.5498848	0.001934154	0.001934154	9.83398E-06	0.013948049	0.002853137	0.041965883	0.049476102	9.86418E-06	45.99528885	3.8969E-05	0.000583529
2082 Jun	135.8345947	0.077423587	0.028827367	0.001891679	20.09455299	0.044220086	29.02249336	0.001675976	0.001675976	8.53535E-06	0.012450841	0.002191455	0.039065309	0.033512443	8.56637E-06	32.96418381	3.67899E-05	0.00044042
2082 Jul	117.3753738	0.055788413	0.025907092	0.001827751	16.16060257	0.039687753	25.26350975	0.001609319	0.001609319	8.19632E-06	0.012028337	0.001912224	0.036552932	0.026639976	8.21927E-06	26.86065102	3.64624E-05	0.000382487
2082 Aug	123.5941849	0.058143634	0.026973372	0.001953734	17.09539223	0.043127283	26.35950851	0.001730209	0.001730209	8.80467E-06	0.012839358	0.002036438	0.038473278	0.028206572	8.82945E-06	28.37722397	3.85198E-05	0.000404929
2082 Sep	126.215744	0.060616139	0.027221192	0.002011752	17.56767654	0.045529421	26.85860062	0.001786508	0.001786508	9.0875E-06	0.013198373	0.002091519	0.039404303	0.028787667	9.11324E-06	29.00270462	3.90248E-05	0.000412557
2082 Oct	121.3222809	0.069568343	0.025308497	0.001921189	17.29036331	0.047318075	26.22154427	0.001702249	0.001702249	8.66235E-06	0.012665466	0.002002664	0.038245395	0.027265141	8.68693E-06	27.78749466	3.57387E-05	0.00038349
2082 Nov	121.7527084	0.07088393	0.025285495	0.001925876	17.3878212	0.047764055	26.33992577	0.001706926	0.001706926	8.68597E-06	0.01271496	0.002009035	0.038380481	0.027343707	8.71078E-06	27.88972473	3.5744E-05	0.000383956
2082 Dec	121.9065247	0.071031779	0.025303867	0.001928184	17.41145515	0.0478433	26.37396431	0.00170915	0.00170915	8.69718E-06	0.012732363	0.002011585	0.038426064	0.027378332	8.72207E-06	27.92606735	3.57848E-05	0.000384411
2083 Jan	121.9514618	0.07108213	0.025308883	0.001928726	17.41891289	0.047864743	26.38415527	0.001709678	0.001709678	8.69984E-06	0.012736584	0.002012298	0.038438026	0.027389433	8.72476E-06	27.9373951	3.57939E-05	0.000384538
2083 Feb	122.0066605	0.071121432	0.025319565	0.00192949	17.42787933	0.047885265	26.39515114	0.001710378	0.001710378	8.70339E-06	0.012741767	0.002013228	0.038452666	0.027404325	8.72832E-06	27.95166397	3.58081E-05	0.000384724
2083 Mar	122.10186	0.071178682	0.025339583	0.001930948	17.44206238	0.047921333	26.41506958	0.001711675	0.001711675	8.70999E-06	0.012751375	0.002014814	0.038481243	0.027427172	8.73494E-06	27.97436905	3.58352E-05	0.000385033
2083 Apr	122.5879517	0.071462981	0.025440643	0.001938608	17.51183701	0.048111342	26.51983643	0.001718468	0.001718468	8.74455E-06	0.012801946	0.002022844	0.038633633	0.027537204	8.7696E-06	28.08625031	3.59774E-05	0.000386571
2083 May	138.6460114	0.081850395	0.028312497	0.001942684	20.29691887	0.047680035	30.2594986	0.00172649	0.00172649	8.79443E-06	0.012826113	0.00223106	0.040756833	0.033279181	8.82728E-06	33.14604187	3.69129E-05	0.000437104
2083 Jun	146.9171906	0.088500425	0.033632614	0.001738155	24.0694313	0.038083628	29.37263107	0.001522531	0.001522531	7.77122E-06	0.011042509	0.002378668	0.036232628	0.042377293	7.79604E-06	39.3526268	3.42396E-05	0.000502445
2083 Jul	148.8244324	0.087213337	0.034783304	0.001823103	24.33845711	0.039533507	29.53945732	0.001589746	0.001589746	8.11401E-06	0.011459828	0.002431954	0.037189327	0.04276073	8.13658E-06	39.68061829	3.54804E-05	0.000510458
2083 Aug	152.5722961	0.085102193	0.035193708	0.001949095	24.7011528	0.044001535	30.5032177	0.00170922	0.00170922	8.71578E-06	0.012040345	0.002536488	0.038899381	0.043334067	8.74028E-06	40.29251099	3.62588E-05	0.000514521
2083 Sep	150.718338	0.08697731	0.033468496	0.001945466	24.01839828	0.04681398	31.13407898	0.001709414	0.001709414	8.71855E-06	0.012035975	0.002491488	0.039751962	0.04133996	8.74575E-06	39.00048065	3.49468E-05	0.000490278
2083 Oct	143.6784973	0.0953454	0.029699102	0.001855334	22.40701294	0.049568471	31.42204094	0.00162832	0.00162832	8.31389E-06	0.011772179	0.002322149	0.040020216	0.036807727	8.3435E-06	35.81383896	3.21882E-05	0.000436799
2083 Nov	141.5650024	0.098860614	0.028698983	0.001825993	21.97727966	0.050251596	31.4640255	0.001599236	0.001599236	8.16964E-06	0.011698727	0.002268634	0.040076125	0.035478838	8.19928E-06	34.8804245	3.14233E-05	0.000421362
2083 Dec	141.6542053	0.098995939	0.028705094	0.001827083	21.99004173	0.050304934	31.4901886	0.001600229	0.001600229	8.17471E-06	0.011707969	0.002269827	0.040107694	0.035491675	8.2044E-06	34.8978157	3.14398E-05	0.000421516
2084 Jan	141.6845245	0.099045694	0.028706813	0.001827368	21.99484062	0.050321396	31.4988308	0.001600498	0.001600498	8.17609E-06	0.011710636	0.002270221	0.040116988	0.035497174	8.20579E-06	34.90447998	3.14441E-05	0.000421572
2084 Feb	141.7200317	0.099081777	0.028712576	0.001827716	22.00107574	0.050333835	31.50654984	0.001600821	0.001600821	8.17773E-06	0.011713167	0.002270774	0.040125255	0.035507284	8.20744E-06	34.91415024	3.14501E-05	0.000421679
2084 Mar	141.8385468	0.099168576	0.028736187	0.0018292	22.02011108	0.050375465	31.53216171	0.001602136	0.001602136	8.18444E-06	0.011722788	0.002272691	0.040157218	0.035538454	8.21418E-06	34.94429779	3.14758E-05	0.000422041
2084 Apr	142.6939392	0.09976735	0.028909734	0.001840209	22.15328026	0.050678454	31.72181129	0.001611782	0.001611782	8.23371E-06	0.011793328	0.00228641	0.040398508	0.035753731	8.26363E-06	35.15561676	3.16653E-05	0.000424594
2084 May	154.2545776	0.108949386	0.031970233	0.00186956	24.9542942	0.04981358	32.86953354	0.001646566	0.001646566	8.40671E-06	0.01203084	0.002483458	0.040577792	0.04166327	8.43792E-06	39.83327103	3.33556E-05	0.000482836
2084 Jun	147.1616974	0.100396983	0.035003148	0.001713515	25.82953262	0.039542228	27.88100243	0.00148717	0.00148717	7.59385E-06	0.010665051	0.002441303	0.034218859	0.045193862	7.6095E-06	41.09778214	3.20166E-05	0.00051338
2084 Jul	152.8966827	0.10237468	0.036720719	0.001818161	26.82816696	0.041397769	28.68508911	0.001578552	0.001578552	8.05718E-06	0.011291388	0.002553208	0.035673596	0.047015045	8.07233E-06	42.68604279	3.40173E-05	0.000537493
2084 Aug	161.0672607	0.106464215	0.038207382	0.001940222	28.22977448	0.044785839	30.1063652	0.001696735	0.001696735	8.65206E-06	0.012054898	0.002707555	0.037624624	0.04953903	8.66976E-06	44.97723007	3.5982E-05	0.000567335
2084 Sep	160.5659485	0.105049424	0.037310906	0.001960713	27.71975708	0.046734981	30.73976898	0.001716717	0.001716717	8.75518E-06	0.012135688	0.002686624	0.03875557	0.048123468	8.77507E-06	44.13498688	3.5483E-05	0.000554935
2084 Oct	156.9521332	0.107136965	0.034648035	0.00191945	26.30941963	0.048749015	31.74220467	0.001680305	0.001680305	8.57737E-06	0.012044936	0.00257308	0.039977759	0.044509653	8.60151E-06	41.75382996	3.40329E-05	0.000517158
2084 Nov	155.9944153	0.109058984	0.03372075	0.001907632	25.91685486	0.049652342	32.10505295	0.001671034	0.001671034	8.53201E-06	0.012065747	0.002539396	0.040399618	0.043396715	8.55769E-06	41.04726791	3.36385E-05	0.000505362
2084 Dec	156.1646118	0.109227486	0.033741612	0.001909765	25.94449997	0.049729533	32.14284515	0.001673105	0.001673105	8.54245E-06	0.012081871	0.002542131	0.040444851	0.043439262	8.56822E-06	41.09023666	3.36756E-05	0.000505866
2085 Jan	156.2089539	0.109282419	0.033743076	0.00191022	25.95057869	0.049752418	32.1556015	0.001673569	0.001673569	8.5448E-06	0.012085926	0.002542729	0.04045862	0.043446977	8.57061E-06	41.09970093	3.36832E-05	0.000505956
2085 Feb	156.2382355	0.109309413	0.033747539	0.001910481	25.95519829	0.049761809	32.16280746	0.001673805	0.001673805	8.54601E-06	0.012087795	0.002543149	0.04046629	0.043454304	8.57183E-06	41.10707855	3.36877E-05	0.000506034
2085 Mar	156.2839355	0.109342799	0.033757538	0.001911006	25.9632206	0.049775463	32.17169189	0.00167427	0.00167427	8.54838E-06	0.012091119	0.002543905	0.04047706	0.043468099	8.5742E-06	41.11977005	3.36971E-05	0.000506189
2085 Apr	156.7821503	0.109691992	0.033865318	0.00191708	26.04627991	0.049933545	32.2738533	0.001679595	0.001679595	8.57556E-06	0.012129543	0.002552025	0.040605396	0.043607414	8.60147E-06	41.25130463	3.38043E-05	0.000507808
2085 May	164.1556396	0.114956886	0.03474959	0.00191616	27.32809258	0.049627926	33.82240295	0.001691679	0.001691679	8.63571E-06	0.012261436	0.002651267	0.041334558	0.046404645	8.66629E-06	43.6844101	3.4694E-05	0.000534583
2085 Jun	163.8854218	0.112688914	0.036031	0.001834388	28.19319916	0.044673078	32.13846588	0.001625251	0.001625251	8.2926E-06	0.011703107	0.002677461	0.038463559	0.049312886	8.31901E-06	45.33503723	3.45307E-05	0.000559811
2085 Jul	174.2998352	0.118817113	0.03818373	0.001967593	30.08246613	0.047919217	33.8505249	0.001752582	0.001752582	8.93461E-06	0.01256304	0.002868492	0.040568195	0.052847952	8.96348E-06	48.43487167	3.70236E-05	0.000599622
2085 Aug	175.9567566	0.116454534	0.037987769	0.002017217	30.11395645	0.050113305	34.47857666	0.001804499	0.001804499	9.19522E-06	0.012752058	0.002909068	0.041539595	0.052856401	9.22641E-06	48.59290314	3.7009E-05	0.00059963
2085 Sep	167.6613464	0.110985838	0.034291659	0.001940002	27.77280617	0.051636569	34.70054245	0.001737132	0.001737132	8.85945E-06	0.012220581	0.00272592	0.042155102	0.047565628	8.89424E-06	44.77470398	3.3898E-05	0.000544372
2085 Oct	161.7626343	0.112372816	0.031377893	0.001856481	25.92232895	0.052136406	35.38376617	0.001656119	0.001656119	8.4603E-06	0.01189282	0.002561705	0.042868245	0.043171566	8.49759E-06	41.69107056	3.20462E-05	0.000497292
2085 Nov	159.1191254	0.113841385	0.030153034	0.001820282	25.10698128	0.0523993	35.70976639	0.001618163	0.001618163	8.27451E-06	0.011766594	0.002485949	0.043243889	0.041147329	8.31241E-06	40.2739296	3.12756E-05	0.000475534
2085 Dec	159.1948547	0.113948166	0.030154359	0.001821071	25.11450768	0.052442219	35.73748398	0.001618871	0.001618871	8.27817E-06	0.011773808	0.002486736	0.043275446	0.041151468	8.31612E-06	40.28477859	3.12883E-05	0.0004756
2086 Jan	159.2255249	0.11399167	0.030155085	0.001821312	25.1178112	0.052457038	35.74862289	0.001619087	0.001619087	8.27929E-06	0.011776193	0.002487041	0.04328708	0.041154068	8.31727E-06	40.28974533	3.12924E-05	0.000475629
2086 Feb	159.2508545	0.114017613	0.030158358	0.00182149	25.12165451	0.052464571	35.7554512	0.001619247	0.001619247	8.28012E-06	0.011777602	0.002487371	0.043293696	0.041159999	8.31811E-06	40.29593658	3.12957E-05	0.000475689
2086 Mar	159.3253479	0.11407607	0.030171227	0.00182229	25.13359451	0.052489296	35.77229309	0.001619976	0.001619976	8.28383E-06	0.011782997	0.002488521	0.043313053	0.041179605	8.32185E-06	40.31510925	3.13096E-05	0.00047591
2086 Apr	160.0198669	0.114574417	0.03030289	0.001830212	25.24345398	0.052717436	35.92786026	0.00162702	0.00162702	8.31985E-06	0.011834225	0.002499377	0.043501116	0.041359857	8.35804E-06	40.4913063	3.14458E-05	0.00047799
2086 May	165.5758362	0.118639193	0.031188348	0.001868022	26.09637833	0.0536654	37.2426796	0.001662965	0.001662965	8.50397E-06	0.012130923	0.002576539	0.044721127	0.042921737	8.54474E-06	41.98065567	3.24411E-05	0.000494814
2086 Jun	151.5445404	0.099168472	0.032509509	0.001745644	24.74702072	0.042369552	31.3516922	0.001536629	0.001536629	7.85664E-06	0.011187965	0.002424658	0.038491923	0.042584725	7.88109E-06	40.08524704	3.30714E-05	0.00049784
2086 Jul	152.2180176	0.094056487	0.03348903	0.001869266	24.53268623	0.043561678	31.06831741	0.001642749	0.001642749	8.3932E-06	0.011957181	0.002467257	0.039658654	0.042214759	8.41456E-06	39.78681564	3.57885E-05	0.000507292
2086 Aug	157.1624756	0.093581922	0.034007415	0.00197684	24.97140121	0.04683625	32.40190125	0.001745744	0.001745744	8.91353E-06	0.012576144	0.002560807	0.041699033	0.042888608	8.93792E-06	40.63391113	3.71759E-05	0.000518177
2086 Sep	153.3114624	0.089759156	0.031635463	0.001956598	23.59994125	0.049499564	33.13338089	0.00172951	0.00172951	8.83564E-06	0.012305005	0.002467935	0.042957045	0.039492358	8.86375E-06	38.35694885	3.48469E-05	0.000482637
2086 Oct	153.1735229	0.092114992	0.030654119	0.0019451	23.27599525	0.050838262	33.87733459	0.001720987	0.001720987	8.79519E-06	0.012302079	0.00244064	0.043730538	0.038416352	8.82589E-06	37.77701569	3.421E-05	0.000470556
2086 Nov	153.5499725	0.092421584	0.030707637	0.001949626	23.32815742	0.050993711	33.97545624	0.001725058	0.001725058	8.81604E-06	0.012333351	0.002446129	0.043852318	0.038490858	8.84687E-06	37.85968399	3.42834E-05	0.00047148
2086 Dec	153.6472473	0.092499778	0.030719221	0.001950841	23.34225082	0.051035982	33.9991684	0.001726225	0.001726225	8.82194E-06	0.01234212	0.002447626	0.043880735	0.038512375	8.85283E-06	37.88251114	3.43041E-05	0.000471747
2087 Jan	153.7019043	0.092543334	0.030724289	0.001951453	23.35002708	0.051058933	34.01298904	0.001726839	0.001726839	8.82503E-06	0.012346694	0.002448443	0.043895867	0.038524579	8.85596E-06	37.89550781	3.43145E-05	0.000471893
2087 Feb	153.7620087	0.092583172	0.030734591	0.001952146	23.35938263	0.05107902	34.02635956	0.001727481	0.001727481	8.82829E-06	0.012351281	0.002449392	0.043911658	0.038540326	8.85924E-06	37.91088104	3.43268E-05	0.000472078
2087 Mar	153.9077148	0.092672043	0.030763971	0.001953973	23.38192177	0.051126651	34.05806732	0.0017291	0.0017291	8.83657E-06	0.012362827	0.002451726	0.043952316	0.038577851	8.86754E-06	37.9474144	3.4359E-05	0.000472532
2087 Apr	154.2497559	0.092878655	0.030832496	0.001958302	23.43412018	0.051239833	34.13344955	0.001732933	0.001732933	8.85615E-06	0.012390212	0.002457183	0.044049453	0.038664162	8.8872E-06	38.03209686	3.44351E-05	0.000473586
2087 May	158.0418243	0.096436262	0.031535219	0.001949412	24.36781693	0.050793644	34.57017136	0.001732416	0.001732416	8.85079E-06	0.01238373	0.002518885	0.043883316	0.040715132	8.88342E-06	39.65196228	3.46978E-05	0.00049183
2087 Jun	158.2955627	0.099193454	0.033565424	0.001816827	26.2511692	0.044087145	31.82394791	0.001625473	0.001625473	8.29514E-06	0.011560501	0.002577704	0.038981333	0.045965489	8.32166E-06	42.76927185	3.41161E-05	0.00053406
2087 Jul	165.062851	0.101724066	0.035050664	0.001931179	27.46329308	0.046615422	32.73178101	0.00173611	0.00173611	8.851E-06	0.012287959	0.002717744	0.040391412	0.048340254	8.87863E-06	44.79094696	3.62636E-05	0.000562473

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2087 Aug	171.8059692	0.104954734	0.036332149	0.002026135	28.56622505	0.049192071	34.02760315	0.001825672	0.001825672	9.30405E-06	0.012865396	0.002840547	0.042070787	0.050330993	9.33346E-06	46.61534882	3.77889E-05	0.000585125
2087 Sep	178.8308411	0.10943187	0.037100166	0.00211694	29.58340073	0.052269246	35.66317368	0.001916513	0.001916513	9.76148E-06	0.013496598	0.002957247	0.043977764	0.052051254	9.79528E-06	48.34276199	3.92887E-05	0.000605162
2087 Oct	177.1790466	0.109315716	0.035717342	0.002084996	28.7542057	0.052704122	36.40576935	0.001887982	0.001887982	9.62184E-06	0.013372197	0.002895808	0.044613607	0.050187815	9.65859E-06	47.10918045	3.85419E-05	0.000584237
2087 Nov	176.3456421	0.109421253	0.035044044	0.002067132	28.34678268	0.052851301	36.77290344	0.001871565	9.5414E-06	0.013302114	0.002863875	0.044918042	0.049261712	0.57953E-06	46.49702072	3.81617E-05	0.000573855
2087 Dec	176.5385132	0.109572321	0.035065256	0.002069299	28.37432098	0.052926239	36.82066727	0.001873698	0.001873698	9.55216E-06	0.013318334	0.002866796	0.044970192	0.049306519	9.59043E-06	46.54336929	3.82019E-05	0.000574378
2088 Jan	176.5892639	0.109614305	0.035069391	0.002069766	28.38062668	0.052944958	36.83545303	0.001874154	0.001874154	9.55449E-06	0.013322018	0.00286747	0.044985421	0.04931609	9.59279E-06	46.5543251	3.82106E-05	0.000574485
2088 Feb	176.6178131	0.109635346	0.035073087	0.002069994	28.38477516	0.052952774	36.84278488	0.001874374	0.001874374	9.55561E-06	0.013323672	0.002867874	0.044992536	0.049323253	9.59392E-06	46.56149292	3.8215E-05	0.00057456
2088 Mar	176.7953796	0.109747268	0.035108071	0.002072036	28.41353035	0.053005397	36.87970734	0.00187623	0.00187623	9.56507E-06	0.013336859	0.002870755	0.045036994	0.049373429	9.60342E-06	46.60869217	3.82528E-05	0.000575139
2088 Apr	178.2771912	0.110669136	0.035402849	0.002089367	28.65238571	0.053448446	37.18789291	0.001891927	0.001891927	9.64509E-06	0.013448381	0.00289484	0.045412909	0.049788944	9.68377E-06	47.00036621	3.85729E-05	0.000579972
2088 May	181.7193146	0.112903193	0.036080342	0.002127999	29.22745514	0.054445505	37.8795929	0.001927436	0.001927436	9.8257E-06	0.01369955	0.002951372	0.046227891	0.050806642	9.86521E-06	47.94316101	3.92949E-05	0.000591534
2088 Jun	154.6206818	0.088179111	0.029109146	0.001952127	23.31118774	0.048153602	32.91095734	0.001792307	0.001792307	9.12439E-06	0.01306295	0.002506327	0.041956842	0.04044934	9.16165E-06	39.0150795	3.82822E-05	0.000501299
2088 Jul	151.0554657	0.082226112	0.028364375	0.002002788	22.38602257	0.048230562	31.8107605	0.001847157	0.001847157	9.39438E-06	0.013535292	0.002474448	0.041834351	0.038899336	9.42993E-06	37.66199493	3.9994E-05	0.000496964
2088 Aug	159.3351135	0.086691022	0.029843211	0.002120973	23.64015388	0.051299892	33.49420929	0.001958164	0.001958164	9.957E-06	0.014324408	0.002615792	0.044144444	0.041054256	9.99471E-06	39.74518585	4.21899E-05	0.000524725
2088 Sep	165.5821686	0.089854226	0.030535914	0.002220191	24.46094513	0.05413156	34.86891174	0.002057248	0.002057248	1.04548E-05	0.015047711	0.002721156	0.046037056	0.04242054	1.04965E-05	41.17957687	4.41174E-05	0.000545031
2088 Oct	161.4533539	0.093062185	0.027670162	0.002143869	23.20611382	0.055094093	35.45098114	0.001996261	0.001996261	1.01469E-05	0.014812742	0.002602865	0.046260964	0.039385702	1.0194E-05	39.10786438	4.24596E-05	0.000510482
2088 Nov	159.1200867	0.094428368	0.02676034	0.002104287	22.77720261	0.055058796	35.29992676	0.001960253	0.001960253	9.96604E-06	0.014620746	0.002551859	0.045944113	0.038338993	1.00132E-05	38.3013382	4.15556E-05	0.000497054
2088 Dec	159.2858276	0.094581686	0.026777901	0.002106566	22.80173111	0.055136625	35.33789063	0.001962492	0.001962492	9.97733E-06	0.014638562	0.00255451	0.045991994	0.038376208	1.00246E-05	38.34048462	4.15991E-05	0.00049754
2089 Jan	159.3467255	0.094643839	0.026783898	0.002107345	22.81137848	0.055164952	35.35138702	0.001963274	0.001963274	9.98126E-06	0.014644833	0.002555489	0.046008002	0.038391169	1.00286E-05	38.35573196	4.16139E-05	0.000497723
2089 Feb	159.3876038	0.094677806	0.026789995	0.002107798	22.81804848	0.05517906	35.36008453	0.001963711	0.001963711	9.98347E-06	0.014648182	0.002556142	0.046017967	0.038402442	1.00308E-05	38.36657333	4.16228E-05	0.000497853
2089 Mar	159.5792999	0.094793759	0.026822649	0.002110298	22.84609795	0.055244423	35.40190887	0.001966043	0.001966043	9.99532E-06	0.014665531	0.002559233	0.046071999	0.038450029	1.00427E-05	38.41357422	4.16721E-05	0.000498461
2089 Apr	160.424408	0.095296934	0.026965089	0.002121448	22.96752548	0.055536162	35.58885574	0.001976434	0.001976434	1.00481E-05	0.014742994	0.0025728	0.046315033	0.038654689	1.00958E-05	38.61763	4.18923E-05	0.000501108
2089 May	161.94664	0.100019038	0.028027263	0.002069153	24.22667885	0.053831901	34.70198822	0.00193354	0.00193354	9.82564E-06	0.014376156	0.002622639	0.044427607	0.041477941	9.87079E-06	40.48008347	4.11122E-05	0.000521742
2089 Jun	160.1756439	0.105368018	0.030959349	0.001895696	26.93989372	0.046717968	30.29938507	0.001781852	0.001781852	9.03989E-06	0.013019924	0.002692904	0.037419531	0.048268851	9.07338E-06	44.35369492	3.84546E-05	0.00056974
2089 Jul	168.4400024	0.108870313	0.032596093	0.002011298	28.39333153	0.04950076	31.62128448	0.001895003	0.001895003	9.6091E-06	0.013742764	0.002853043	0.039090578	0.05111241	9.64477E-06	46.81313324	4.05409E-05	0.000601515
2089 Aug	174.3313141	0.110149674	0.033506028	0.002094246	29.22462273	0.052003484	32.96746826	0.001975201	0.001975201	1.00148E-05	0.014191795	0.002962031	0.040665172	0.052703973	1.00531E-05	48.29991531	4.16041E-05	0.000617504
2089 Sep	178.2458496	0.111963786	0.033106368	0.002122143	29.27051163	0.054149132	34.93449783	0.002003763	0.002003763	1.01639E-05	0.01438319	0.002993756	0.042591661	0.05248126	1.0208E-05	48.58803558	4.16677E-05	0.000613793
2089 Oct	168.4421387	0.111877866	0.028329566	0.001948228	26.1332798	0.054103103	36.39170456	0.001833653	0.001833653	9.32438E-06	0.013443532	0.002712935	0.043536916	0.045318373	9.37373E-06	43.52686691	3.74994E-05	0.000530333
2089 Nov	168.1025696	0.113242015	0.027890567	0.001939766	25.94510078	0.054547366	36.67375565	0.001825325	0.001825325	9.28418E-06	0.013437201	0.002694868	0.043818302	0.044742007	9.3343E-06	43.17737579	3.7245E-05	0.000523734
2089 Dec	168.2846069	0.113409609	0.027910978	0.001941875	25.97271729	0.054623406	36.71707916	0.00182739	0.00182739	9.29461E-06	0.013453402	0.002697683	0.043867324	0.044785503	9.34483E-06	43.22197342	3.72836E-05	0.000524239
2090 Jan	168.3704071	0.113487735	0.027921271	0.001942819	25.98620415	0.054657046	36.73690033	0.001828317	0.001828317	9.29929E-06	0.013460607	0.002699018	0.043889038	0.044807404	9.34956E-06	43.24382019	3.73011E-05	0.000524486
2090 Feb	168.4387817	0.113540716	0.027931888	0.001943547	25.99736977	0.054679327	36.75153351	0.001829017	0.001829017	9.30284E-06	0.013465804	0.002700113	0.04390521	0.044826742	9.35313E-06	43.26219177	3.7315E-05	0.000524702
2090 Mar	168.5972443	0.113649778	0.027958302	0.001945347	26.0222702	0.054730237	36.78565216	0.001830716	0.001830716	9.31147E-06	0.013478293	0.002702663	0.043945495	0.044869892	9.36182E-06	43.30350876	3.73495E-05	0.000525202
2090 Apr	169.1372375	0.114014417	0.028048147	0.001951564	26.10591125	0.054904971	36.90307617	0.001836568	0.001836568	9.34124E-06	0.013521346	0.002711329	0.044085614	0.045014307	9.39174E-06	43.44262314	3.74689E-05	0.000526889
2090 May	173.0811157	0.115870804	0.028484255	0.001967645	26.49720192	0.055327252	38.19343948	0.001851094	0.001851094	9.41926E-06	0.013651101	0.002752533	0.045251116	0.04572393	9.4724E-06	44.26446533	3.79871E-05	0.000534514
2090 Jun	169.8252106	0.098086692	0.030140722	0.00174124	24.73655891	0.042662013	39.24775314	0.001592593	0.001592593	8.15763E-06	0.011818876	0.002561759	0.045026146	0.043787882	8.20416E-06	42.63284302	3.63326E-05	0.00051423
2090 Jul	172.005249	0.095806345	0.03129093	0.001855238	24.96382904	0.044136539	39.20716095	0.001692011	0.001692011	8.66061E-06	0.01253024	0.002626661	0.04620301	0.044187266	8.70432E-06	42.9811058	3.87146E-05	0.000528994
2090 Aug	164.9879456	0.087177947	0.02944939	0.001889147	23.51696396	0.047511104	38.18248367	0.001722195	0.001722195	8.8101E-06	0.012399638	0.002546702	0.046426181	0.040801998	8.85241E-06	40.30410767	3.66072E-05	0.0004954
2090 Sep	156.2813263	0.089411043	0.026695207	0.001815161	21.98014641	0.04985749	37.46180725	0.001643957	0.001643957	8.42134E-06	0.011860671	0.002378306	0.046281964	0.036432438	8.4613E-06	37.04176331	3.29677E-05	0.000446333
2090 Oct	147.2526245	0.103123501	0.024021031	0.00173867	20.81561661	0.05291348	36.43132782	0.001553894	0.001553894	7.97613E-06	0.011624621	0.00220143	0.045750219	0.032156095	8.01033E-06	33.807224	3.00328E-05	0.000394757
2090 Nov	144.9388733	0.107132867	0.023507476	0.00171856	20.56821632	0.053416532	36.07546234	0.001528379	0.001528379	7.85046E-06	0.011577794	0.002157357	0.045493096	0.031189913	7.88245E-06	33.03902817	2.94534E-05	0.000382609
2090 Dec	145.0585175	0.107323803	0.023518804	0.00172018	20.58826447	0.053490236	36.10516739	0.001529865	0.001529865	7.85802E-06	0.011591232	0.002159159	0.045532037	0.031212876	7.89005E-06	33.0656395	2.94785E-05	0.000382882
2091 Jan	145.0971375	0.10738758	0.023523469	0.001720616	20.59521484	0.053510886	36.11452866	0.001530252	0.001530252	7.86E-06	0.011594905	0.002159724	0.045543335	0.031221483	7.89204E-06	33.07493591	2.94852E-05	0.000382973
2091 Feb	145.1244507	0.107422076	0.023527931	0.00172087	20.60046577	0.053520985	36.12015152	0.001530484	0.001530484	7.86118E-06	0.011596865	0.002160151	0.045549329	0.031229716	7.89323E-06	33.08269882	2.94896E-05	0.000383057
2091 Mar	145.3518372	0.107593946	0.023565317	0.001723529	20.63348961	0.053603761	36.17585373	0.001532851	0.001532851	7.87334E-06	0.0116148	0.002163557	0.045619089	0.031280309	7.90543E-06	33.13554382	2.95352E-05	0.000383668
2091 Apr	146.245224	0.108255848	0.023710579	0.001734103	20.76075554	0.053932313	36.3975563	0.001542258	0.001542258	7.92165E-06	0.011686033	0.002176873	0.045898419	0.031473719	7.95394E-06	33.33988953	2.97165E-05	0.000386035
2091 May	151.8364716	0.112820119	0.025367634	0.001775644	22.17527771	0.054237116	36.77476501	0.001582924	0.001582924	8.12465E-06	0.011960815	0.002286158	0.046058886	0.03437975	8.15672E-06	35.60516357	3.08795E-05	0.00041543
2091 Jun	156.2669678	0.111133337	0.031684149	0.001754479	25.97894859	0.045503784	32.07310104	0.001566815	0.001566815	8.01794E-06	0.011522065	0.002510865	0.039549313	0.044399463	8.0363E-06	41.74551773	3.30406E-05	0.000512023
2091 Jul	164.5884094	0.115603805	0.033632118	0.001872243	27.43157005	0.047927052	33.40932846	0.001674801	0.001674801	8.56569E-06	0.01228933	0.002661748	0.041488901	0.04706442	8.58429E-06	44.1104126	3.54317E-05	0.000544889
2091 Aug	170.3942566	0.114836395	0.034029685	0.001978593	28.06077194	0.051439267	34.84407425	0.001784205	0.001784205	9.11429E-06	0.01289024	0.002770095	0.043541543	0.048159465	9.13786E-06	45.33881378	3.66528E-05	0.000561081
2091 Sep	166.7865295	0.108780384	0.031916704	0.001956074	26.70469284	0.053219847	35.47213364	0.001767337	0.001767337	9.03183E-06	0.012583994	0.002680197	0.044690527	0.045017257	9.05934E-06	43.23326874	3.45803E-05	0.000530997
2091 Oct	162.0230713	0.108715661	0.028926099	0.001866311	24.91736031	0.053615585	36.58504105	0.00168565	0.00168565	8.62783E-06	0.012172844	0.002527613	0.045600038	0.040909745	8.66033E-06	40.44850159	3.25172E-05	0.000486253
2091 Nov	158.2716675	0.111064039	0.026849592	0.00180316	23.71771812	0.054041535	37.17163086	0.001625508	0.001625508	8.33098E-06	0.011947995	0.002416278	0.046075057	0.037990764	8.36557E-06	38.42787933	3.12022E-05	0.000453673
2091 Dec	158.3423615	0.111445315	0.02680048	0.001803711	23.71084785	0.054170746	37.2380867	0.001625953	0.001625953	8.33352E-06	0.011962598	0.002415568	0.046151567	0.037933771	8.36826E-06	38.40541077	3.12024E-05	0.000453064
2092 Jan	158.3746948	0.111496672	0.026800446	0.001803917	23.71379089	0.054186784	37.25123978	0.001626121	0.001626121	8.33443E-06	0.011964925	0.002415831	0.04616553	0.037934728	8.36919E-06	38.40961838	3.12057E-05	0.000453071
2092 Feb	158.4285583	0.111544944	0.026808139	0.001804402	23.72206306	0.054204222	37.26467133	0.001626566	0.001626566	8.33671E-06	0.011968452	0.0024166	0.046180114	0.037947804	8.37149E-06	38.42295074	3.12144E-05	0.000453214
2092 Mar	158.7192688	0.11175207	0.026857762	0.001807672	23.76632881	0.054302357	37.33209991	0.001629521	0.001629521	8.35185E-06	0.011990152	0.002421058	0.046263043	0.038019259	8.38669E-06	38.49455261	3.12711E-05	0.000454058
2092 Apr	159.5270081	0.112321623	0.02699489	0.001816851	23.88775063	0.054577775	37.52140808	0.001637798	0.001637798	8.39427E-06	0.012051012	0.002433398	0.046497367	0.038213938	8.42929E-06	38.69116592	3.143E-05	0.000456378
2092 May	167.0918427	0.115668833	0.028556671	0.001840135	25.11023331	0.054115899	39.13667679	0.001660685	0.001660685	8.51419E-06	0.012226611	0.002537873	0.047594693	0.040889181	8.55198E-06	41.01044464	3.26647E-05	0.000483099
2092 Jun	154.3339844	0.094658688	0.031890023	0.00165354	24.59670448	0.038832262	32.7257309	0.001462365	0.001462365	7.50873E-06	0.010626822	0.002418989	0.039663397	0.043043479	7.52587E-06	40.61172867	3.25534E-05	0.000500616
2092 Jul	149.6237183	0.085865811	0.031916708	0.001729076	23.35505676	0.038833428	31.56831551	0.001517857	0.001517857	7.79308E-06	0.011047342	0.002368937	0.040060788	0.040665079	7.80424E-06	38.57238007	3.41952E-05	0.000488266
2092 Aug	158.3333893	0.089765973	0.033313569	0.001845865	24.59033775	0.041945841	33.49533463	0.001628864	0.001628864	8.35565E-06	0.011810139	0.002512202	0.042540282	0.042814273	8.37022E-06	40.70109558	3.63046E-05	0.000515774
2092 Sep	164.6297913	0.090846151	0.033240851	0.001917963	24.85572243	0.044805653	35.94032669	0.001702092	0.001702092	8.72874E-06	0.012313327	0.002581737	0.045327559	0.043011703	8.75079E-06	41.47988892	3.7407E-05	0.000522626
2092 Oct	167.4222412	0.091515981	0.032055054	0.001899331	24.19412041	0.045783695	38.57702255	0.001684631	0.001684631	8.65284E-06	0.012285336	0.00255059	0.047780287	0.041345987	8.68211E-06	40.83215714	3.7041E-05	0.00050522
2092 Nov	168.5880737	0.092089944	0.031757593	0.001896411	24.05842209	0.046149947	39.42773056	0.00168199	0.00168199	8.64315E-06	0.012301101	0.002546385	0.048569173	0.040958531	8.67473E-06	40.73789215	3.70061E-05	0.00050119
2092 Dec	168.7753448	0.092204913	0.031777784	0.0018983	24.08063507	0.04620992	39.4805069	0.001683798	0.001683798	8.65235E-06	0.012315099	0.002548899	0.048626076	0.040994175	8.68406E-06	40.77815247	3.70443E-05	0.000501639
2093 Jan	168.8472443	0.092245042	0.031781107	0.001898796	24.08661079	0.04622988	39.50582886	0.001684291	0.001684291	8.65489E-06	0.012319214	0.002549655	0.048650399	0.041003011	8.68667E-06	40.79093552	3.70553E-05	0.00050175
2093 Feb	168.9041595	0.09227562	0.031788696	0.001899259	24.09346581	0.046243206	39.52199936	0.001684715	0.001684715	8.65708E-06	0.012322427	0.00255039	0.048667222	0.041014656	8.68889E-06	40.80357742	3.7065E-05	0.000501885
2093 Mar	169.3585663	0.092525311	0.031874325	0.001904335	24.15866661	0.046366818	39.62792587	0.001689222	0.001689222	8.68023E-06	0.012355356	0.00255726	0.048797157	0.041125953	8.71213E-06	40.91394424	3.71641E-05	0.00050324
2093 Apr	170.2813721	0.093030475	0.032048237	0.001914698	24.29063034	0.046619061	39.84341049	0.001698417	0.001698417	8.72748E-06	0.012422582	0.002571207	0.049062327	0.041350808	8.75955E-06	41.13734055	3.73664E-05	0.000505988
2093 May	179.4067993	0.097303972	0.032922462	0.001941187	25.34475136	0.047355954	42.590168	0.001729473	0.001729473	8.88971E-06	0.012672025	0.002674972	0.051228043	0.043475434	8.92912E-06	43.33702469	3.84428E-05	0.000527234
2093 Jun	173.6108398	0.094332971	0.033092357	0.001744641	25.8257885	0.039814983	39.24299622	0.001567999	0.001567999	8.05737E-06	0.011408933	0.00262494	0.045562275	0.046135627	8.09152E-06	44.32752609	3.62518E-05	0.00054009
2093 Jul	179.8711395	0.096550182	0.034571029	0.001861956	26.90929985	0.042236734	40.05298615	0.001678877	0.001678877	8.61625E-06	0.012169083	0.002754623	0.047074798	0.048195653	8.6504E-06	46.10832596	3.85491E-05	0.000567106
2093 Aug	188.0421143	0.100047626	0.03593668	0.001979387	28.18093491	0.045409836	41.65151215	0.001792861	0.001792861	9.19124E-06	0.012914827	0.002902866	0.049150441	0.050527599	9.22837E-06	48.27445602	4.05539E-05	0.000594773
2093 Sep	188.0206604	0.100684777	0.034955598	0.001991375	27.73479652	0.047221515	42.48308945	0.001806249	0.001806249	9.26102E-06	0.013029496	0.002884275	0.050203297	0.049275462	9.30113E-06	47.56652069	4.02462E-05	0.000581887
2093 Oct	173.5903625	0.104987234	0.0293823	0.001844526	24.65390015	0.049133625	41.64134216	0.00167208	0.00167208	8.58622E-06	0.012436717	0.002589903	0.049362972	0.041847046	8.62801E-06	41.92926788	3.62308E-05	0.000497434
2093 Nov	169.3011932	0.110361159	0.027431255	0.001804656	23.82944298	0.050738029	41.45027924	0.001635827	0.001635827	8.40395E-06	0.012387735	0.002499371	0.04926398	0.039444111	8.44608E-06	40.1786499	3.50167E-05	0.000469862
2093 Dec	169.4621887	0.110569127	0.027442722	0.001806607	23.85342026	0.050823983	41.4924202	0.001637717	0.001637717	8.41353E-06	0.012404205	0.002501721	0.049314283	0.039474864	8.45576E-06	40.21417618	3.50503E-05	0.000470231
2094 Jan	169.5063934	0.110633962	0.027445497	0.001807063	23.86010742	0.050847247	41.50473404	0.00163815	0.00163815	8.41574E-06	0.012408272	0.002502321	0.049328234	0.03948291	8.45799E-06	40.22379303	3.50578E-05	0.000470319
2094 Feb	169.5502777	0.110678256	0.02745132	0.001807482	23.86746979	0.050862819	41.51465225	0.001638556	0.001638556	8.4178E-06	0.012411524	0.00250299	0.049338695	0.039494887	8.46007E-06	40.23546982	3.50656E-05	0.000470448
2094 Mar	169.7905731	0.110842109	0.027489867	0.001810011	23.90186691	0.050935537	41.57310104	0.001640856	0.001640856	8.42961E-06	0.012429027	0.002506544	0.049407549	0.039551739	8.47194E-06	40.29310989	3.51145E-05	0.000471117
2094 Apr	170.4213562	0.111255027	0.027592393	0.00181672	23.99111938	0.051124163	41.72692871	0.001646941	0.001646941	8.46086E-06	0.012475074	0.002515875	0.049590137	0.039699744	8.50335E-06	40.4434433	3.52447E-05	0.000472876
2094 May	174.8491821	0.113757595	0.02887612	0.001803848	25.00736427	0.049812853	42.31362534	0.001635607	0.001635607	8.40534E-06	0.012372361	0.002581463	0.04952769	0.042016547	8.44828E-06	42.25598526	3.55705E-05	0.000493739
2094 Jun	182.3705902	0.115957268	0.032895893	0.001798573	27.63505173	0.045712747	41.55160904	0.00162859	0.00162859	8.36683E-06	0.012146855	0.00274998	0.047675744	0.048301581	8.40414E-06	46.64504242	3.67448E-05	0.000553883

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2094 Jul	196.2887421	0.124021173	0.035504375	0.001959057	29.95188332	0.049529955	44.18234253	0.001782164	0.001782164	9.14448E-06	0.01323348	0.002986039	0.05077688	0.052608952	9.18557E-06	50.5544281	4.00398E-05	0.00060367
2094 Aug	208.9049835	0.131767139	0.037739232	0.002095546	31.95888901	0.053121269	46.8446312	0.001910353	0.001910353	9.79719E-06	0.014144634	0.003189372	0.053866364	0.056197945	9.84162E-06	53.92639542	4.26798E-05	0.000644576
2094 Sep	219.1558075	0.137027726	0.038197212	0.002191729	32.97312927	0.056710411	50.04963684	0.002011057	0.002011057	1.03049E-05	0.014891452	0.003320804	0.05702826	0.057871025	1.03607E-05	55.98407364	4.45718E-05	0.0006654
2094 Oct	208.6126862	0.133082628	0.034103785	0.002055265	30.09350204	0.055829521	50.11619568	0.001883053	0.001883053	9.66803E-06	0.014180694	0.003074709	0.056933969	0.051749423	9.72627E-06	51.39896774	4.16483E-05	0.000598659
2094 Nov	198.8261871	0.133633286	0.030092843	0.001937405	27.64375114	0.056093466	49.9825592	0.001775334	0.001775334	9.12938E-06	0.013688208	0.002853091	0.056708597	0.04619376	9.18992E-06	47.25935364	3.90375E-05	0.000537801
2094 Dec	198.2815399	0.133828536	0.029858628	0.001931282	27.51548195	0.056156311	49.96822357	0.001769892	0.001769892	9.10203E-06	0.013668124	0.002841047	0.056692164	0.045887839	9.16271E-06	47.03258514	3.88969E-05	0.000534443
2095 Jan	198.3417358	0.133898497	0.029860135	0.001931753	27.52209282	0.056181949	49.98846817	0.001770354	0.001770354	9.10442E-06	0.013672682	0.00284172	0.056713108	0.045895372	9.16514E-06	47.04361343	3.8906E-05	0.000534529
2095 Feb	198.3842163	0.133937001	0.029864633	0.001932048	27.52796555	0.056194063	50.00029373	0.001770636	0.001770636	9.10587E-06	0.013675122	0.002842268	0.056724813	0.0459047	9.16662E-06	47.05358887	3.89121E-05	0.000534627
2095 Mar	198.5510712	0.134052292	0.029890317	0.00193364	27.55190277	0.056240365	50.04135895	0.001772101	0.001772101	9.1134E-06	0.013686378	0.002844686	0.056770846	0.045945108	9.17419E-06	47.09426117	3.89442E-05	0.000535089
2095 Apr	199.480896	0.134681106	0.030030871	0.001942682	27.68149757	0.05650302	50.27488327	0.001780389	0.001780389	9.15602E-06	0.013750332	0.002858033	0.057035521	0.046161611	9.2171E-06	47.31560135	3.91263E-05	0.000537606
2095 May	198.9845886	0.135483935	0.030525614	0.001917448	28.29887962	0.055134468	49.04310989	0.001765945	0.001765945	9.07273E-06	0.013597723	0.002882507	0.055267878	0.047808226	9.1324E-06	48.24757385	3.90046E-05	0.00055192
2095 Jun	196.94487	0.133557186	0.032490063	0.001885142	29.71387291	0.051412161	45.50066757	0.001747823	0.001747823	8.96046E-06	0.013257791	0.002948229	0.050988913	0.051759567	9.01211E-06	50.3235321	3.90671E-05	0.000588984
2095 Jul	211.0664673	0.142477363	0.034915727	0.002040943	32.0451622	0.055611093	48.3253746	0.001898154	0.001898154	9.72216E-06	0.01431438	0.003184746	0.054190181	0.056023087	9.77817E-06	54.24026489	4.20836E-05	0.000636463
2095 Aug	211.5141602	0.139171019	0.034980815	0.002095758	32.2890892	0.057652552	47.96755219	0.00195821	0.00195821	1.00164E-05	0.014475308	0.003238484	0.054096077	0.056663338	1.00735E-05	54.63106155	4.19718E-05	0.000641574
2095 Sep	206.8007965	0.133421093	0.033671532	0.002077388	31.3498745	0.058483284	47.28991318	0.00194386	0.00194386	9.94126E-06	0.014170147	0.00317088	0.053793881	0.054672219	9.99833E-06	53.02826691	4.02599E-05	0.000620931
2095 Oct	205.5978546	0.13227658	0.032938529	0.002061413	30.86916161	0.05875757	47.57656097	0.001929517	0.001929517	9.87066E-06	0.014062422	0.003135179	0.054117247	0.053591073	9.92914E-06	52.29779053	3.96731E-05	0.000609718
2095 Nov	201.0270386	0.129871994	0.030861961	0.001997523	29.43538857	0.058637869	47.95693588	0.001870019	0.001870019	9.57508E-06	0.013706028	0.003016018	0.054443736	0.050472531	9.63629E-06	50.06335449	3.81084E-05	0.000576643
2095 Dec	200.6417847	0.129881456	0.030606505	0.001991466	29.28195381	0.058721993	48.05892181	0.001864497	0.001864497	9.54786E-06	0.013681976	0.003003479	0.054544065	0.050111346	9.60953E-06	49.82151794	3.7956E-05	0.000572855
2096 Jan	200.6907501	0.129925102	0.030605245	0.001991751	29.28514099	0.058742039	48.07918167	0.001864779	0.001864779	9.54934E-06	0.013684736	0.003003892	0.054564591	0.050113108	9.61107E-06	49.82802582	3.79603E-05	0.00057288
2096 Feb	200.8042297	0.13000381	0.030622002	0.001992786	29.30249596	0.0587743	48.105896	0.001865768	0.001865768	9.55439E-06	0.013691925	0.00300559	0.054592967	0.050143246	9.61616E-06	49.85743713	3.79798E-05	0.000573211
2096 Mar	200.9892426	0.130126223	0.030651027	0.001994591	29.33046341	0.058827259	48.14891434	0.001867464	0.001867464	9.56306E-06	0.013704285	0.003008396	0.054641139	0.050191697	9.62489E-06	49.90473938	3.80142E-05	0.000573757
2096 Apr	201.8715973	0.130698815	0.030786214	0.002003331	29.45981979	0.059084676	48.35945511	0.00187565	0.00187565	9.60498E-06	0.013764299	0.003021627	0.054879792	0.050413433	9.66707E-06	50.12464905	3.81808E-05	0.000576287
2096 May	208.5968475	0.131354451	0.031268403	0.001998921	29.84125328	0.058484331	50.95960617	0.001873164	0.001873164	9.60192E-06	0.013783972	0.003070583	0.056905061	0.051352624	9.67057E-06	51.3639183	3.88618E-05	0.000586221
2096 Jun	169.8322144	0.089923538	0.028102705	0.001665617	23.46368027	0.040736593	40.97069168	0.001534329	0.001534329	7.88986E-06	0.011365349	0.002491479	0.047159582	0.041647617	7.93182E-06	41.38457108	3.54639E-05	0.000495594
2096 Jul	166.4810944	0.08412315	0.028536957	0.001749416	22.75764275	0.041203089	39.70319748	0.001598841	0.001598841	8.2204E-06	0.011854505	0.002474533	0.047517974	0.040204454	8.25418E-06	40.05574036	3.71784E-05	0.00049209
2096 Aug	175.7407074	0.088435411	0.029955098	0.00186727	24.04292488	0.04430069	41.78970718	0.00171163	0.00171163	8.79312E-06	0.012650724	0.002623154	0.050172586	0.042453818	8.83019E-06	42.29999542	3.94413E-05	0.000521088
2096 Sep	178.0355072	0.092142098	0.029188482	0.001935419	24.00431252	0.048066147	42.99002075	0.001779758	0.001779758	9.13618E-06	0.013201857	0.002648655	0.052044768	0.041649025	9.17775E-06	42.11690521	4.00813E-05	0.00051731
2096 Oct	169.2487946	0.102270044	0.025508866	0.001853023	22.41033554	0.051312078	42.54364777	0.001699912	0.001699912	8.73644E-06	0.012973156	0.002467014	0.051788144	0.036899701	8.77797E-06	38.62844467	3.71496E-05	0.000460962
2096 Nov	168.8309631	0.106673308	0.024832631	0.001848156	22.35074806	0.052621163	42.74092484	0.001696946	0.001696946	8.72117E-06	0.013058613	0.002451259	0.051994152	0.036336072	8.76367E-06	38.3106308	3.68228E-05	0.000453578
2096 Dec	168.9610901	0.106832005	0.024841076	0.001849772	22.37030411	0.052689571	42.77358627	0.001698561	0.001698561	8.7293E-06	0.013072334	0.002453214	0.052032247	0.036362834	8.7719E-06	38.34049988	3.6852E-05	0.000453906
2097 Jan	168.9858551	0.106880262	0.024841143	0.001849991	22.37444115	0.052705064	42.78069687	0.001698786	0.001698786	8.73044E-06	0.013074689	0.002453539	0.052039579	0.036367357	8.77305E-06	38.34606552	3.68551E-05	0.000453948
2097 Feb	169.0015564	0.106903136	0.024842858	0.001850088	22.37751961	0.05271082	42.78417206	0.001698885	0.001698885	8.73094E-06	0.013075612	0.00245377	0.052042548	0.036372211	8.77356E-06	38.35066986	3.68567E-05	0.000453992
2097 Mar	169.1451874	0.106998615	0.02486412	0.001851634	22.39724541	0.052755561	42.81977463	0.001700312	0.001700312	8.73826E-06	0.013086593	0.002455877	0.052085314	0.036404546	8.78092E-06	38.38417053	3.68875E-05	0.000454387
2097 Apr	170.1084747	0.107608862	0.02500614	0.001862165	22.52522087	0.053055398	43.06305313	0.001709984	0.001709984	8.78797E-06	0.013160994	0.00246988	0.052381031	0.036612868	8.83087E-06	38.60336685	3.70973E-05	0.000456983
2097 May	174.8131714	0.113184273	0.025972567	0.001897276	23.68770218	0.054141521	43.54896545	0.001747799	0.001747799	8.97534E-06	0.01344539	0.002558442	0.052669916	0.03881561	9.0194E-06	40.40069199	3.78915E-05	0.000478593
2097 Jun	169.7522583	0.112798735	0.028872825	0.001800015	25.85809326	0.047826648	37.69095612	0.001669236	0.001669236	8.54644E-06	0.012576192	0.002624674	0.045112137	0.044743538	8.5781E-06	43.33895493	3.67536E-05	0.000526892
2097 Jul	181.0722961	0.119304985	0.031038294	0.001950337	27.81347275	0.051429596	39.59925461	0.001814678	0.001814678	9.28072E-06	0.013597403	0.002830127	0.04761415	0.04838695	9.31463E-06	46.58855438	3.97642E-05	0.000570064
2097 Aug	190.8625031	0.124651432	0.032648366	0.002082377	29.45316505	0.055138513	41.40127182	0.00194488	0.00194488	9.93625E-06	0.014463364	0.003008433	0.049876023	0.051391479	9.9737E-06	49.32698822	4.20596E-05	0.000604733
2097 Sep	194.729599	0.126619935	0.033108912	0.002134932	30.00313187	0.056898031	42.30400848	0.00199657	0.00199657	1.01974E-05	0.014799899	0.003073325	0.051015381	0.052302465	1.02368E-05	50.25802612	4.28233E-05	0.000615812
2097 Oct	189.2999573	0.123492561	0.031397477	0.002074012	28.71765137	0.056456611	42.0024147	0.001938285	0.001938285	9.9057E-06	0.014395221	0.002962952	0.050631192	0.049635686	9.94574E-06	48.16823196	4.11935E-05	0.000585537
2097 Nov	185.8257751	0.122348592	0.030341709	0.002034547	27.96909523	0.056180138	41.71363449	0.001900691	0.001900691	9.71698E-06	0.014157671	0.002894017	0.050278179	0.048043072	9.7571E-06	46.90344238	4.02106E-05	0.000567338
2097 Dec	185.1995087	0.122193217	0.030154379	0.002027257	27.83859253	0.056123588	41.65591431	0.00189376	0.00189376	9.68214E-06	0.014115414	0.002881628	0.050206177	0.047763795	9.72227E-06	46.6803894	4.00371E-05	0.000564136
2098 Jan	185.2286682	0.122233495	0.030153001	0.002027457	27.84125328	0.056139994	41.66758347	0.001893958	0.001893958	9.68318E-06	0.014117447	0.002881906	0.050218131	0.047765255	9.72333E-06	46.68457794	4.00391E-05	0.000564145
2098 Feb	185.2768707	0.122273475	0.030159678	0.002027871	27.84914589	0.056154463	41.67856979	0.001894364	0.001894364	9.68524E-06	0.014120463	0.002882638	0.05022911	0.047778919	9.72541E-06	46.69765472	4.00468E-05	0.000564288
2098 Mar	185.3838043	0.122347631	0.030177519	0.002028998	27.86615181	0.056185991	41.7015419	0.001895428	0.001895428	9.69067E-06	0.014128309	0.002884333	0.050255917	0.047808625	9.73086E-06	46.72592926	4.0069E-05	0.000564628
2098 Apr	186.2555237	0.123053327	0.030308433	0.002036369	28.01165199	0.056431495	41.8947258	0.001902583	0.001902583	9.72708E-06	0.014180978	0.002897699	0.050450206	0.0480638	9.76761E-06	46.96660995	4.02077E-05	0.000567289
2098 May	185.1156769	0.123494454	0.03174156	0.001973866	29.21297836	0.053109564	39.56917191	0.001851994	0.001851994	9.45637E-06	0.013658434	0.00293687	0.046960138	0.051276367	9.49316E-06	48.74812317	3.9417E-05	0.000592586
2098 Jun	157.4181213	0.102486484	0.032161348	0.001660267	27.43232346	0.038772248	29.14719009	0.001541399	0.001541399	7.86506E-06	0.011052691	0.00262793	0.034918509	0.050147109	7.87661E-06	45.14375687	3.40338E-05	0.00056615
2098 Jul	166.4728088	0.107357211	0.034229957	0.001784815	29.03024292	0.041388065	30.58154488	0.00165661	0.00165661	8.45055E-06	0.011862173	0.002793594	0.037016951	0.053103071	8.46158E-06	47.74936676	3.65432E-05	0.000601883
2098 Aug	173.0157013	0.109106928	0.035051309	0.001913492	29.97250748	0.045591217	31.90878105	0.001782613	0.001782613	9.08499E-06	0.0126194	0.002922731	0.039252654	0.054580808	9.09861E-06	49.27754211	3.80902E-05	0.000622785
2098 Sep	163.3358459	0.105932929	0.03058213	0.001840664	27.02702904	0.048610315	32.70927048	0.001709038	0.001709038	8.72557E-06	0.012162496	0.002688218	0.040929545	0.047384799	8.74287E-06	44.24071121	3.45556E-05	0.000549392
2098 Oct	155.5391846	0.111716516	0.026230734	0.001740316	24.50066566	0.05089318	34.01511765	0.001608755	0.001608755	8.23468E-06	0.011869423	0.00246084	0.042448204	0.040903296	8.25571E-06	39.80527496	3.19247E-05	0.000479114
2098 Nov	154.2168274	0.114685655	0.025020951	0.001710222	23.76131248	0.051614147	34.92530441	0.001574894	0.001574894	8.07344E-06	0.01180954	0.002394623	0.04343015	0.038889952	8.09546E-06	38.53089142	3.12806E-05	0.000457024
2098 Dec	154.3880463	0.11490304	0.025031591	0.001712187	23.78505325	0.05170339	34.9733963	0.00157678	0.00157678	8.08304E-06	0.011826311	0.002396976	0.043486945	0.038918722	8.10516E-06	38.56641006	3.13145E-05	0.000457375
2099 Jan	154.4507751	0.114976458	0.025036784	0.001712803	23.79373932	0.05173086	34.99119568	0.001577356	0.001577356	8.086E-06	0.011831487	0.002397808	0.043506965	0.038930092	8.10814E-06	38.5798378	3.13254E-05	0.000457505
2099 Feb	154.5049133	0.115026772	0.02504411	0.001713299	23.80204391	0.051748849	35.00459671	0.001577817	0.001577817	8.08836E-06	0.011835226	0.002398585	0.043521762	0.038943175	8.11053E-06	38.59318542	3.13346E-05	0.000457648
2099 Mar	154.7975616	0.115246356	0.025092039	0.001716508	23.84768486	0.051845629	35.07023621	0.001580775	0.001580775	8.10352E-06	0.011857378	0.002403144	0.043602843	0.039018303	8.12573E-06	38.66711044	3.13934E-05	0.000458524
2099 Apr	156.880127	0.117101438	0.025443213	0.001734091	24.21337509	0.052415509	35.51030731	0.001597264	0.001597264	8.18785E-06	0.011983138	0.002435319	0.044060905	0.039649412	8.21055E-06	39.25460815	3.17289E-05	0.000465104
2099 May	172.5575714	0.128879428	0.03257928	0.001721892	29.57755661	0.047167685	34.83780289	0.001582552	0.001582552	8.10644E-06	0.011584823	0.00277078	0.040884756	0.051706512	8.12212E-06	47.87258911	3.29843E-05	0.000571816
2099 Jun	168.3716125	0.11907959	0.034795403	0.001686239	29.74142456	0.041610297	31.98566246	0.001533974	0.001533974	7.8611E-06	0.011041128	0.002761253	0.037907917	0.053257074	7.86545E-06	48.18466949	3.3177E-05	0.000587877
2099 Jul	178.7732239	0.124339409	0.036964294	0.001816804	31.51053238	0.044442996	33.79565048	0.001657053	0.001657053	8.48558E-06	0.011890514	0.002945646	0.040246923	0.056594852	8.49105E-06	51.1529007	3.58195E-05	0.000626982
2099 Aug	190.6687775	0.130435795	0.03880116	0.001962862	33.39076233	0.048795406	36.27108765	0.001799618	0.001799618	9.20628E-06	0.012814829	0.003146928	0.04329475	0.05990833	9.21639E-06	54.31529617	3.81634E-05	0.000666107
2099 Sep	186.7523193	0.12506187	0.036182202	0.001954178	31.66674042	0.051072497	37.22192383	0.001796536	0.001796536	9.19322E-06	0.012730706	0.003042017	0.044865791	0.055968288	9.2091E-06	51.68353271	3.6748E-05	0.000629473
2099 Oct	178.699173	0.123977005	0.032454979	0.001880438	29.30830002	0.052334726	37.55897141	0.00173016	0.00173016	8.86222E-06	0.012466631	0.002851292	0.04544466	0.050555475	8.88227E-06	47.78933334	3.47481E-05	0.000573771
2099 Nov	174.6777496	0.124707974	0.030470734	0.001837681	28.12464523	0.052950401	37.79281998	0.001692016	0.001692016	8.67158E-06	0.012353005	0.002751492	0.045700327	0.047797568	8.69411E-06	45.81833267	3.38019E-05	0.000544833
2099 Dec	174.8413391	0.124884985	0.030484276	0.00183956	28.14883041	0.053027902	37.8344574	0.001693865	0.001693865	8.68094E-06	0.01236821	0.002753908	0.045748699	0.047831863	8.70356E-06	45.85609436	3.38347E-05	0.000545244
2100 Jan	174.858429	0.124918401	0.030479496	0.001839641	28.14843941	0.05304078	37.84495544	0.001693951	0.001693951	8.68141E-06	0.012369852	0.00275393	0.045759585	0.047827393	8.70406E-06	45.85557938	3.3836E-05	0.000545199
2100 Feb	174.8813019	0.124942034	0.030480947	0.001839784	28.15130424	0.053048365	37.8520813	0.001694092	0.001694092	8.68214E-06	0.012371184	0.002754198	0.045766566	0.04783145	8.7048E-06	45.86044312	3.38389E-05	0.000545241
2100 Mar	174.9593506	0.125001445	0.030494006	0.001840576	28.16411972	0.053072222	37.86888123	0.001694831	0.001694831	8.68592E-06	0.012376631	0.002755425	0.045786101	0.047853295	8.7086E-06	45.88127899	3.38535E-05	0.000545485
2100 Apr	176.0697937	0.125796482	0.03068753	0.001852244	28.34316635	0.053408939	38.10889816	0.001705582	0.001705582	8.74101E-06	0.012455129	0.002772922	0.046075933	0.048157681	8.76383E-06	46.17290497	3.40682E-05	0.000548952
2100 May	182.8365936	0.128709882	0.031657405	0.001853555	29.3501873	0.052396741	39.64207458	0.001716695	0.001716695	8.79522E-06	0.012590252	0.002858449	0.04671216	0.050606921	8.82392E-06	48.29760361	3.53045E-05	0.000573328
2100 Jun	160.2696381	0.103952222	0.031930491	0.00163645	26.96641541	0.039301045	31.72025108	0.001497729	0.001497729	7.67703E-06	0.010811952	0.002591284	0.03800565	0.048455071	7.6854E-06	44.47268677	3.30598E-05	0.000548084
2100 Jul	160.7688751	0.100056484	0.03235162	0.001707804	26.656847	0.039963208	31.84852791	0.001557919	0.001557919	7.98583E-06	0.011253435	0.002609642	0.039114624	0.047879003	7.99169E-06	44.08290863	3.46637E-05	0.000550333
2100 Aug	160.2454224	0.094731711	0.031245526	0.001757776	25.78521156	0.042751651	32.83128738	0.001605554	0.001605554	8.22999E-06	0.011425374	0.0025932	0.040914487	0.045839693	8.23878E-06	42.82209396	3.42828E-05	0.000532434
2100 Sep	159.4205475	0.092673257	0.030027207	0.001778448	25.11854935	0.045402408	33.65306091	0.001625958	0.001625958	8.33612E-06	0.011453196	0.00256204	0.042390652	0.043930855	8.3476E-06	41.69202805	3.32628E-05	0.000515254
2100 Oct	160.160202	0.093768597	0.029490337	0.00178337	24.92178726	0.046546586	34.45660019	0.001631054	0.001631054	8.36498E-06	0.011514661	0.002553374	0.043324415	0.043227598	8.37864E-06	41.3920517	3.30414E-05	0.000508528
2100 Nov	160.3292389	0.094036445	0.029371746	0.001783175	24.86713791	0.046753664	34.65914917	0.001630619	0.001630619	8.364E-06	0.011521604	0.002550303	0.0435532	0.043048613	8.37803E-06	41.31134415	3.29867E-05	0.000506729
2100 Dec	160.5212708	0.09417177	0.02939865	0.001785414	24.89619827	0.04682561	34.70316315	0.00163276	0.00163276	8.37487E-06	0.011537081	0.002553321	0.043606695	0.043096103	8.38898E-06	41.35909653	3.30254E-05	0.000507299
2101 Jan	160.6499481	0.094258763	0.029412603	0.001786833	24.91446495	0.046875581	34.73517227	0.001634166	0.001634166	8.38197E-06	0.011547076	0.002555257	0.04364248	0.043125734	8.39617E-06	41.39011383	3.3049E-05	0.000507656
2101 Feb	160.7193756	0.094303444	0.02942065	0.001787546	24.92456436	0.046900142	34.75214767	0.001634877	0.001634877	8.38556E-06	0.011552027	0.0025563	0.043660633	0.043142747	8.3998E-06	41.40744781	3.30611E-05	0.000507854
2101 Mar	160.7794952	0.094340473	0.029431246	0.001788189	24.93416023	0.046917744	34.76495743	0.001635476	0.001635476	8.38862E-06	0.011556218	0.00255726	0.043675989	0.04315953	8.40287E-06	41.42338943	3.30728E-05	0.000508047
2101 Apr	161.3834229	0.09469907	0.029542977	0.001794847	25.02920723	0.047091827	34.89372253	0.001641574	0.001641574	8.41988E-06	0.011599191	0.002566915	0.043836899	0.04332494	8.43419E-06	41.58096695	3.31961E-05	0.00050998
2101 May	168.7916718	0.100235447	0.031198975	0.001810239	26.68135643	0.046812274	35.89916229	0.001662844	0.001662844	8.52457E-06	0.011731448	0.002687453	0.044091176	0.046836976	8.54159E-06	44.42183685	3.40969E-05	0.000543384

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2101 Jun	162.3049011	0.096846238	0.032243218	0.001699427	26.82438469	0.040711835	32.50777435	0.001555518	0.001555518	7.97374E-06	0.010955927	0.002630003	0.03963317	0.048223946	7.98217E-06	44.50682831	3.32967E-05	0.000551352
2101 Jul	169.8257751	0.100792415	0.033882052	0.001792333	28.0660553	0.042668644	33.89253616	0.001639941	0.001639941	8.40566E-06	0.011555166	0.002758282	0.041523706	0.050486173	8.41362E-06	46.56332779	3.51878E-05	0.000578589
2101 Aug	179.4232178	0.106317341	0.03565396	0.001903539	29.67803955	0.045557793	35.72907257	0.001745835	0.001745835	8.94327E-06	0.012276474	0.002921227	0.043792915	0.053399649	8.9531E-06	49.23924637	3.7238E-05	0.000612353
2101 Sep	187.2183228	0.111000471	0.035705257	0.002017569	30.47480011	0.050256789	38.0544014	0.001864222	0.001864222	9.53722E-06	0.013112211	0.0030338	0.046716645	0.054348711	9.55571E-06	50.65956879	3.88558E-05	0.000629256
2101 Oct	185.1504211	0.112174474	0.034148514	0.001987556	29.55737114	0.051064875	38.79551315	0.001835695	0.001835695	9.39864E-06	0.013043963	0.002960246	0.047520552	0.052094281	9.41962E-06	49.17591095	3.81171E-05	0.000605606
2101 Nov	180.3357544	0.1141105	0.031388313	0.001916583	27.91434097	0.05177765	39.61228943	0.001769294	0.001769294	9.07036E-06	0.012817331	0.002818257	0.048233122	0.048202626	9.0952E-06	46.48630905	3.66297E-05	0.000563338
2101 Dec	180.0341492	0.115085311	0.031010438	0.001911683	27.75212669	0.052137177	39.8112793	0.001765195	0.001765195	9.05039E-06	0.012834225	0.002804359	0.048434082	0.047740627	9.07603E-06	46.20100021	3.65095E-05	0.000558369
2102 Jan	180.043869	0.115128085	0.031002976	0.001911641	27.75069046	0.052150309	39.82102585	0.001765166	0.001765166	9.05028E-06	0.012835378	0.002804227	0.048443526	0.047733262	9.07595E-06	46.19816971	3.65082E-05	0.000558283
2102 Feb	180.098053	0.115178153	0.031009819	0.001912113	27.75939178	0.052167717	39.83376694	0.001765628	0.001765628	9.05263E-06	0.012839051	0.002805027	0.048456594	0.047747713	9.07833E-06	46.21239471	3.65174E-05	0.000558439
2102 Mar	180.1988678	0.115247205	0.031027226	0.001913138	27.77555656	0.052196298	39.85549545	0.001766582	0.001766582	9.05751E-06	0.012845998	0.002806608	0.048482191	0.047775775	9.08323E-06	46.23912048	3.6537E-05	0.000558758
2102 Apr	180.7085266	0.115574531	0.031115506	0.001918528	27.85466766	0.052343085	39.96746826	0.001771562	0.001771562	9.08304E-06	0.012882161	0.002814567	0.048618082	0.047912221	9.10883E-06	46.37068558	3.664E-05	0.000560348
2102 May	183.1959076	0.117167369	0.031544946	0.001944935	28.23924637	0.053062476	40.51566315	0.001795958	0.001795958	9.2081E-06	0.013059457	0.002853373	0.049284767	0.048574567	9.23424E-06	47.01063538	3.71446E-05	0.000568087
2102 Jun	144.7229614	0.078921862	0.02361609	0.001744511	19.90077591	0.04392365	33.38490677	0.001617356	0.001617356	8.28597E-06	0.012128449	0.002233156	0.043448128	0.033859793	8.30672E-06	34.20381927	3.59027E-05	0.000438792
2102 Jul	129.165329	0.060629513	0.021653721	0.001740377	16.75627708	0.040806759	29.6349678	0.001605891	0.001605891	8.22426E-06	0.012111298	0.002026484	0.041319773	0.028384851	8.23517E-06	29.19168472	3.66806E-05	0.000397005
2102 Aug	134.8692017	0.062528193	0.022441313	0.001858486	17.58712959	0.044333152	30.68516922	0.001721416	0.001721416	8.80578E-06	0.012860251	0.002141894	0.043214299	0.02973276	8.81833E-06	30.54121399	3.84303E-05	0.000416775
2102 Sep	136.474472	0.064507693	0.02244252	0.001905487	17.92526627	0.046812098	30.99902153	0.001767549	0.001767549	9.0372E-06	0.013111971	0.002181327	0.043984525	0.029987101	9.05032E-06	30.89209938	3.84272E-05	0.000420325
2102 Oct	130.603241	0.072555356	0.02059551	0.001816589	17.54417038	0.048363321	29.99131012	0.001683907	0.001683907	8.61172E-06	0.012581527	0.002082387	0.042473584	0.028302422	8.62403E-06	29.48031044	3.52038E-05	0.000390868
2102 Nov	130.9974976	0.073766008	0.02057229	0.001821588	17.63627625	0.048790913	30.09046936	0.001689001	0.001689001	8.6373E-06	0.012632755	0.002088659	0.042594664	0.028379589	8.64983E-06	29.57720375	3.52231E-05	0.000391429
2102 Dec	131.1481476	0.073912449	0.02058805	0.001823803	17.65962601	0.048869491	30.12339401	0.001691176	0.001691176	8.64827E-06	0.012649706	0.002091174	0.042639479	0.028414026	8.66087E-06	29.61322975	3.52621E-05	0.00039188
2103 Jan	131.2079163	0.073974967	0.020594493	0.001824625	17.66975784	0.048899755	30.13560104	0.001691996	0.001691996	8.65239E-06	0.01265606	0.002092191	0.042655062	0.028429646	8.66502E-06	29.62876701	3.52764E-05	0.00039207
2103 Feb	131.2672272	0.074016765	0.020603985	0.001825384	17.6791172	0.048921507	30.14782143	0.001692719	0.001692719	8.65606E-06	0.012661411	0.002093176	0.042671215	0.028445369	8.6687E-06	29.64399147	3.52908E-05	0.000392264
2103 Mar	131.3692932	0.07407628	0.02062057	0.001826766	17.6935215	0.04895835	30.17048454	0.001694003	0.001694003	8.66263E-06	0.012670962	0.002094822	0.042702872	0.028469047	8.67527E-06	29.66798973	3.53175E-05	0.00039258
2103 Apr	131.8923492	0.074372225	0.020703016	0.001834018	17.76434135	0.049152549	30.29016685	0.001700729	0.001700729	8.69702E-06	0.012721239	0.002103174	0.042872034	0.028583288	8.70972E-06	29.78665352	3.54578E-05	0.000394148
2103 May	146.1361084	0.083769329	0.023473207	0.001837901	20.41434479	0.048471637	33.29569626	0.001709139	0.001709139	8.74494E-06	0.012740705	0.002297622	0.044314008	0.034146726	8.76412E-06	34.5441246	3.64025E-05	0.000443217
2103 Jun	151.7993164	0.087549709	0.028698813	0.001650832	23.73269844	0.03853311	31.54821396	0.001520318	0.001520318	7.79393E-06	0.011096708	0.00242262	0.039224382	0.042533174	7.80359E-06	40.00357819	3.43483E-05	0.000504245
2103 Jul	153.4922943	0.08488705	0.029405722	0.001732828	23.7951355	0.040032245	31.81396866	0.001590414	0.001590414	8.15356E-06	0.011522559	0.002473352	0.040394224	0.042643696	8.15993E-06	40.13133621	3.56113E-05	0.000509387
2103 Aug	153.5115814	0.078265384	0.028593831	0.001838836	23.2791996	0.045069542	32.46792984	0.001694416	0.001694416	8.67675E-06	0.01185435	0.0025268	0.041785885	0.041591723	8.68525E-06	39.37998581	3.51033E-05	0.000491658
2103 Sep	149.9406433	0.080218643	0.026459005	0.001813195	22.35382652	0.047733471	32.81162643	0.001673941	0.001673941	8.57339E-06	0.011710836	0.002450499	0.042231172	0.039033994	8.58496E-06	37.61291885	3.31995E-05	0.000460507
2103 Oct	142.0137787	0.090831049	0.022851037	0.001709358	20.73320961	0.050127849	32.87372208	0.001571874	0.001571874	8.06567E-06	0.011387401	0.002257858	0.042312238	0.03422432	8.07782E-06	34.1966362	3.02691E-05	0.000404418
2103 Nov	140.7245941	0.095329918	0.022151412	0.001693485	20.52413559	0.051034573	32.93307495	0.00155432	0.00155432	7.9799E-06	0.011407805	0.00222187	0.042478401	0.033281486	7.99143E-06	33.57035828	2.98075E-05	0.000393687
2103 Dec	140.8157501	0.095473461	0.022156851	0.001694635	20.53824615	0.051090639	32.95753098	0.001555404	0.001555404	7.98543E-06	0.01141779	0.00222318	0.042509701	0.033296902	7.99699E-06	33.58948135	2.98256E-05	0.000393872
2104 Jan	140.8461151	0.095526382	0.02215891	0.001694944	20.54358864	0.051107671	32.96522141	0.0015557	0.0015557	7.98694E-06	0.011420692	0.00222361	0.042518534	0.033303387	7.99851E-06	33.59673691	2.98305E-05	0.00039394
2104 Feb	140.8812714	0.095563471	0.022164166	0.00169529	20.5499115	0.051120456	32.97254562	0.001556029	0.001556029	7.98861E-06	0.011423286	0.002224171	0.042526674	0.033313692	8.0002E-06	33.60649109	2.98365E-05	0.000394048
2104 Mar	141.0036011	0.095651194	0.022183606	0.001696733	20.56857109	0.051164508	33.00020599	0.001557365	0.001557365	7.99545E-06	0.011433084	0.002226128	0.042561729	0.033344362	8.00705E-06	33.63677597	2.9862E-05	0.000394403
2104 Apr	141.891449	0.096254274	0.022323707	0.001707397	20.69849586	0.051485814	33.20743561	0.001567155	0.001567155	8.04571E-06	0.01150492	0.002240158	0.042828757	0.033555329	8.05738E-06	33.84918213	3.00497E-05	0.000396895
2104 May	154.1433716	0.106323451	0.026059568	0.001749449	23.89418221	0.050288599	33.9843483	0.00161229	0.00161229	8.26756E-06	0.011822178	0.002461456	0.042597745	0.040322062	8.27993E-06	39.09217834	3.22065E-05	0.000465002
2104 Jun	150.3821869	0.099248491	0.029743629	0.001634457	25.1845417	0.040660713	29.72872543	0.001491889	0.001491889	7.65159E-06	0.01078365	0.002469637	0.037118424	0.044653103	7.6504E-06	41.14770126	3.20259E-05	0.000507209
2104 Jul	157.138382	0.101252221	0.031343292	0.001746762	26.29467583	0.042797904	30.73884964	0.001596433	0.001596433	8.18193E-06	0.011495402	0.002601105	0.038837865	0.046786696	8.17994E-06	43.01767731	3.42867E-05	0.00053484
2104 Aug	163.6690674	0.103231072	0.032230645	0.001857705	27.27267075	0.046294942	32.0510788	0.001706116	0.001706116	8.73407E-06	0.012153713	0.002727667	0.040749367	0.04849207	8.73477E-06	44.66426468	3.5745E-05	0.000555756
2104 Sep	158.803772	0.099623434	0.030025641	0.001840625	25.92458153	0.048439976	32.12418365	0.00169323	0.00169323	8.66872E-06	0.011962955	0.002630707	0.041369017	0.045242321	8.67219E-06	42.35730743	3.38754E-05	0.000523528
2104 Oct	151.8407593	0.103497505	0.026664969	0.001773431	24.22140312	0.050553441	32.2083931	0.001634091	0.001634091	8.37015E-06	0.011776795	0.002470355	0.041575704	0.040842015	8.37748E-06	39.22324753	3.17675E-05	0.000476395
2104 Nov	149.8043976	0.105364643	0.02573356	0.001752243	23.76378059	0.051094398	32.18875504	0.00161454	0.00161454	8.272E-06	0.011734448	0.002423479	0.041579127	0.039614446	8.27993E-06	38.33892822	3.12198E-05	0.000462964
2104 Dec	149.9579926	0.105536699	0.025749771	0.001754265	23.78979492	0.051173232	32.22166443	0.001616534	0.001616534	8.28205E-06	0.011750139	0.002426027	0.041620661	0.039653156	8.29005E-06	38.37811279	3.12534E-05	0.000463422
2105 Jan	149.9963226	0.105594218	0.025751354	0.001754708	23.79591751	0.051195897	32.23164368	0.001616979	0.001616979	8.28429E-06	0.01175409	0.002426586	0.041632146	0.039660707	8.29232E-06	38.38687134	3.12604E-05	0.000463508
2105 Feb	150.026825	0.105624005	0.02575586	0.001754997	23.80108643	0.051206402	32.23844528	0.00161725	0.00161725	8.28568E-06	0.01175622	0.002427054	0.041639838	0.039669044	8.29372E-06	38.39496994	3.12655E-05	0.000463597
2105 Mar	150.0703735	0.105656087	0.025763772	0.001755479	23.80849648	0.051220261	32.24716568	0.001617697	0.001617697	8.28797E-06	0.011759429	0.002427773	0.041650712	0.039681785	8.296E-06	38.40685654	3.12741E-05	0.000463741
2105 Apr	150.587265	0.106020592	0.025852818	0.00176151	23.8908062	0.051396023	32.3578186	0.001623256	0.001623256	8.31645E-06	0.011799811	0.002436146	0.041793428	0.039819229	8.32451E-06	38.53960037	3.13816E-05	0.000465343
2105 May	158.2415161	0.112212911	0.027641449	0.001774089	25.58082581	0.050650895	33.37896729	0.001641097	0.001641097	8.40376E-06	0.011969082	0.002556016	0.041979767	0.043453276	8.41474E-06	41.46966171	3.26217E-05	0.000500793
2105 Jun	162.0857086	0.112159111	0.030512249	0.001744401	27.28487396	0.046080831	32.24121094	0.001613753	0.001613753	8.25969E-06	0.011688738	0.002654177	0.039755471	0.047953069	8.2667E-06	44.43349838	3.36114E-05	0.000544175
2105 Jul	170.4953461	0.115976244	0.032151021	0.001860162	28.77259254	0.048950881	33.59810638	0.001726951	0.001726951	8.83012E-06	0.012412073	0.002816723	0.041486327	0.050839249	8.83883E-06	46.93362045	3.56671E-05	0.000576077
2105 Aug	165.4101868	0.105871767	0.030344445	0.001856063	27.33952332	0.050526217	33.42829514	0.001728159	0.001728159	8.83334E-06	0.012080491	0.002748331	0.04156106	0.048147198	8.84487E-06	44.80172348	3.36834E-05	0.000543929
2105 Sep	154.6872864	0.098090999	0.026049767	0.001747669	24.28664207	0.051848046	33.85113144	0.00162255	0.00162255	8.31091E-06	0.011246736	0.002497719	0.042556621	0.041134942	8.32584E-06	39.77264023	2.93802E-05	0.00047162
2105 Oct	151.9837952	0.103103347	0.023631155	0.001681492	22.74490166	0.052763421	35.65306854	0.001549927	0.001549927	7.96406E-06	0.01110227	0.00235795	0.044552632	0.037039351	7.98077E-06	37.1892662	2.8204E-05	0.000429077
2105 Nov	151.4679565	0.106400616	0.022885609	0.001666833	22.34114075	0.05340752	36.29714966	0.001531848	0.001531848	7.87986E-06	0.011141537	0.002318247	0.045319904	0.035780948	7.8968E-06	36.43203735	2.80078E-05	0.000416062
2105 Dec	151.5478821	0.106516667	0.022887567	0.001667688	22.35051155	0.053451911	36.32342911	0.001532644	0.001532644	7.88397E-06	0.011149521	0.002319183	0.045351017	0.03578886	7.90094E-06	36.44551849	2.80229E-05	0.00041617
2106 Jan	151.5810852	0.106564127	0.022889225	0.001667974	22.35493851	0.053467195	36.3336792	0.001532912	0.001532912	7.88535E-06	0.011152305	0.002319576	0.045362134	0.035793845	7.90234E-06	36.45211792	2.80283E-05	0.000416226
2106 Feb	151.6078033	0.106592186	0.022892732	0.001668175	22.35926628	0.053475242	36.34025192	0.0015331	0.0015331	7.88631E-06	0.011153932	0.002319948	0.045368765	0.035800755	7.90332E-06	36.45902252	2.80323E-05	0.000416297
2106 Mar	151.6831512	0.106651284	0.022903666	0.001668969	22.37087059	0.053501863	36.35795212	0.001533841	0.001533841	7.89011E-06	0.011159432	0.002321103	0.045389865	0.03581949	7.90713E-06	36.47780228	2.80459E-05	0.000416509
2106 Apr	152.3724213	0.107137032	0.023008093	0.001676534	22.47289467	0.053744201	36.52267838	0.001540796	0.001540796	7.92589E-06	0.011210015	0.002331661	0.045595232	0.035983156	7.94298E-06	36.64410019	2.81731E-05	0.000418408
2106 May	159.3714752	0.112063788	0.024229249	0.001721897	23.61652756	0.054597002	38.0171814	0.001584934	0.001584934	8.15151E-06	0.011575492	0.002432882	0.046930533	0.038186897	8.17119E-06	38.65154648	2.95372E-05	0.000442104
2106 Jun	154.4287872	0.097705513	0.027668761	0.001661399	23.91588402	0.043487769	33.59893799	0.001520023	0.001520023	7.81354E-06	0.011124348	0.002427073	0.041837968	0.041356336	7.82021E-06	39.70744705	3.23998E-05	0.000483434
2106 Jul	157.8933716	0.093616128	0.028718583	0.001800675	24.08172989	0.045251518	33.94604492	0.001649342	0.001649342	8.46789E-06	0.012043252	0.002515732	0.043581959	0.041860718	8.47229E-06	40.20219421	3.55827E-05	0.000501513
2106 Aug	154.2438354	0.084001005	0.026999947	0.001843743	22.76525307	0.04832999	34.12877274	0.001695795	0.001695795	8.69919E-06	0.012026181	0.002481719	0.044339996	0.039302427	8.70694E-06	38.25873947	3.43063E-05	0.000471855
2106 Sep	147.7093811	0.081197925	0.023808952	0.001784985	21.20364952	0.051448885	34.27867508	0.001648142	0.001648142	8.45548E-06	0.011475996	0.002345868	0.044762474	0.035253458	8.46873E-06	35.43466949	3.0466E-05	0.000427089
2106 Oct	147.2339783	0.084875546	0.022681458	0.001755491	20.80042267	0.052485034	35.12250519	0.001620699	0.001620699	8.3213E-06	0.011401114	0.002300165	0.045518368	0.033908378	8.33714E-06	34.68459702	2.96236E-05	0.000411728
2106 Nov	147.5989075	0.085173115	0.022722408	0.001759535	20.84873772	0.052634802	35.22127914	0.001624439	0.001624439	8.34057E-06	0.011430146	0.002305363	0.045641709	0.033976786	8.35649E-06	34.76267242	2.96899E-05	0.000412566
2106 Dec	147.6922302	0.085252918	0.022731194	0.001760663	20.86205482	0.052678108	35.24489975	0.001625544	0.001625544	8.34617E-06	0.011438444	0.002306781	0.045669831	0.033996504	8.36214E-06	34.78416443	2.97079E-05	0.000412806
2107 Jan	147.7448425	0.085299	0.022735573	0.00176124	20.86969948	0.052701537	35.25836945	0.001626126	0.001626126	8.34909E-06	0.011442793	0.002307564	0.045684431	0.034008175	8.3651E-06	34.79670334	2.97171E-05	0.000412942
2107 Feb	147.8043365	0.08533901	0.022743996	0.001761894	20.87865448	0.052722719	35.27225494	0.001626749	0.001626749	8.35227E-06	0.011447202	0.002308491	0.045700889	0.034023039	8.3683E-06	34.81155777	2.97281E-05	0.000413114
2107 Mar	147.9472656	0.085422799	0.022766449	0.001763578	20.89930153	0.052772824	35.30574417	0.001628306	0.001628306	8.36026E-06	0.011458123	0.002310739	0.04574402	0.034057043	8.3763E-06	34.84588242	2.97566E-05	0.000413521
2107 Apr	148.2824707	0.085617058	0.022818292	0.001767562	20.94691277	0.052891888	35.38538742	0.001631986	0.001631986	8.37915E-06	0.011484	0.002315983	0.045847058	0.034134839	8.39523E-06	34.92521286	2.98239E-05	0.000414463
2107 May	152.9976349	0.090177104	0.024087483	0.001767762	22.10727119	0.052122816	35.88175201	0.00163469	0.00163469	8.39137E-06	0.011540544	0.002390809	0.045743562	0.036613714	8.40854E-06	36.87548828	3.05142E-05	0.000438031
2107 Jun	161.4936218	0.098403201	0.028527714	0.001743205	25.30903816	0.046808876	34.72299576	0.00161355	0.00161355	8.27554E-06	0.011451188	0.002574572	0.042935248	0.044132352	8.28768E-06	42.10510635	3.26303E-05	0.000510669
2107 Jul	166.731369	0.09940958	0.029697686	0.001842749	26.27023315	0.04894815	35.28443527	0.001712087	0.001712087	8.76906E-06	0.012066415	0.002695159	0.043904949	0.046153191	8.78193E-06	43.75021744	3.44517E-05	0.000533986
2107 Aug	173.6806793	0.102184109	0.030808402	0.001943703	27.36847496	0.051932178	36.65944672	0.001810659	0.001810659	9.26679E-06	0.012671504	0.002826167	0.045671832	0.048179995	9.2818E-06	45.61100388	3.59399E-05	0.000556242
2107 Sep	176.7097778	0.104393102	0.030529948	0.001986444	27.55158043	0.054246649	37.85961151	0.001855713	0.001855713	9.49392E-06	0.012988154	0.002866757	0.046995115	0.048265275	9.51313E-06	45.9839592	3.63538E-05	0.000557148
2107 Oct	172.5511627	0.104965553	0.028318444	0.001922406	26.21469498	0.054459319	38.38747025	0.001797396	0.001797396	9.20265E-06	0.012736946	0.002751504	0.04725096	0.045259159	9.2258E-06	43.85647964	3.5043E-05	0.000523375
2107 Nov	171.1853943	0.105936766	0.027429825	0.001898951	25.7308979	0.05470584	38.68214798	0.001776329	0.001776329	9.09754E-06	0.012671418	0.002708487	0.047438946	0.044104513	9.12249E-06	43.07059479	3.45876E-05	0.000510502
2107 Dec	171.3059387	0.106059104	0.027437251	0.001900269	25.74671745	0.054762006	38.71599579	0.001777636	0.001777636	9.10417E-06	0.012682252	0.002710177	0.047476575	0.044126514	9.12921E-06	43.09637833	3.4611E-05	0.000510761
2108 Jan	171.340744	0.10609901	0.027438063	0.001900548	25.75064468	0.054777104	38.72750473	0.001777913	0.001777913	9.1056E-06	0.012684898	0.002710582	0.047488369	0.044131238	9.13066E-06	43.10295105	3.46162E-05	0.000510812
2108 Feb	171.3714142	0.106125347	0.027441688	0.001900799	25.75528526	0.054786529	38.73517609	0.00177816	0.00177816	9.10686E-06	0.012686833	0.002711022	0.047496043	0.044139013	9.13193E-06	43.11073685	3.46211E-05	0.000510894
2108 Mar	171.5610504	0.106245421	0.027472161	0.001902872	25.78420067	0.054846544	38.77762604	0.001780104	0.001780104	9.11681E-06	0.012700708	0.002714028	0.047547508	0.044188786	9.14191E-06	43.15903091	3.46589E-05	0.000511465
2108 Apr	173.0456238	0.107171625	0.027712608	0.001919232	26.00995445	0.055316538	39.1096344	0.00179542	0.00179542	9.19523E-06	0.012809768	0.002737605	0.04795311	0.044577409	9.22055E-06	43.53624725	3.49572E-05	0.000515938

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2108 May	176.7493591	0.109774552	0.028291341	0.001957129	26.60167885	0.056442484	39.91343689	0.001831757	0.001831757	9.38034E-06	0.013073529	0.002796417	0.048865281	0.045614552	9.40665E-06	44.52244186	3.56788E-05	0.0005275
2108 Jun	157.7820282	0.094840892	0.025394121	0.001828812	23.6079483	0.049428463	34.49897766	0.001730114	0.001730114	8.83547E-06	0.012610257	0.002528967	0.043198567	0.041128974	8.8602E-06	39.88928604	3.59014E-05	0.000493589
2108 Jul	159.5580444	0.093129225	0.025835402	0.001912673	23.70166397	0.050529726	34.5178299	0.001811815	0.001811815	9.2458E-06	0.013240185	0.002578593	0.044091698	0.041393742	9.26952E-06	40.15367508	3.80389E-05	0.000505904
2108 Aug	169.2158661	0.0983105	0.027283108	0.002048929	25.15128708	0.054306105	36.48424911	0.001944519	0.001944519	9.91708E-06	0.014175133	0.002745311	0.046770476	0.043915614	9.9436E-06	42.59803772	4.05643E-05	0.000538233
2108 Sep	175.1284485	0.10154853	0.027698332	0.002147796	25.87248421	0.057467807	37.88494492	0.002045204	0.002045204	1.04214E-05	0.014910017	0.002843532	0.048700783	0.045021981	1.0453E-05	43.86293411	4.23708E-05	0.000556138
2108 Oct	161.0478821	0.102566496	0.023384795	0.001965438	23.182724	0.056234185	36.45370865	0.001873352	0.001873352	9.55407E-06	0.013962849	0.002557432	0.046691436	0.038979903	9.5867E-06	39.05234909	3.83407E-05	0.000485977
2108 Nov	159.1071014	0.10444551	0.022691028	0.001941271	22.88269806	0.056493018	36.24048615	0.001850871	0.001850871	9.44018E-06	0.013874236	0.00251858	0.046408489	0.038143594	9.47289E-06	38.40390778	3.77345E-05	0.000475704
2108 Dec	159.2711029	0.104620092	0.022706548	0.001943475	22.90839386	0.056575101	36.27738953	0.001853057	0.001853057	9.4512E-06	0.01389187	0.002521229	0.046454869	0.038181692	9.48399E-06	38.44367981	3.77749E-05	0.000476181
2109 Jan	159.3078156	0.104671344	0.022709284	0.001943905	22.91472626	0.056594532	36.28574753	0.001853491	0.001853491	9.45338E-06	0.013895613	0.002521803	0.046464402	0.038190659	9.48619E-06	38.45300674	3.77824E-05	0.000476282
2109 Feb	159.3486481	0.104707502	0.022715097	0.00194433	22.92149734	0.056608662	36.29449081	0.001853903	0.001853903	9.45548E-06	0.013898799	0.00252245	0.046474483	0.03820198	9.4883E-06	38.46389389	3.77905E-05	0.000476409
2109 Mar	159.537674	0.104833387	0.022742683	0.001946607	22.9493103	0.056674726	36.3367691	0.001856077	0.001856077	9.46656E-06	0.013915041	0.002525462	0.046528243	0.038248751	9.49942E-06	38.51040268	3.78348E-05	0.000476984
2109 Apr	160.4700928	0.105447367	0.022876292	0.001957955	23.08404541	0.057004768	36.54836273	0.001866899	0.001866899	9.52175E-06	0.013996112	0.002540242	0.046798829	0.038473755	9.5548E-06	38.7363472	3.80554E-05	0.000479782
2109 May	161.9064331	0.109433345	0.024479471	0.001914462	24.50240135	0.054720156	35.2536087	0.001829674	0.001829674	9.32412E-06	0.013659049	0.002599597	0.04444642	0.041756082	9.35486E-06	40.83760452	3.76481E-05	0.000506346
2109 Jun	164.7833405	0.114035249	0.02839195	0.001850524	27.43218803	0.049484082	32.18427277	0.001773649	0.001773649	9.02245E-06	0.013038022	0.0027383	0.03956509	0.048790835	9.04573E-06	45.25420761	3.74003E-05	0.000567001
2109 Jul	168.4473877	0.112285517	0.029186325	0.001922229	27.99003983	0.051148176	32.75617599	0.001844243	0.001844243	9.37731E-06	0.013365624	0.002827624	0.040352888	0.050128359	9.40142E-06	46.32756424	3.82842E-05	0.000579748
2109 Aug	170.8769073	0.108161345	0.02925292	0.001986827	28.04497528	0.053737048	33.71302414	0.001907759	0.001907759	9.69854E-06	0.013527018	0.002892995	0.041466575	0.050413903	9.72506E-06	46.64468765	3.81576E-05	0.000577062
2109 Sep	168.2017365	0.10541106	0.027129494	0.001938514	26.64492035	0.054832779	35.08776855	0.001861621	0.001861621	9.47422E-06	0.013168494	0.002796183	0.042705558	0.047276039	9.50564E-06	44.57627869	3.62378E-05	0.000540087
2109 Oct	155.8449554	0.107502617	0.022016568	0.001746464	23.13277626	0.054488346	36.04085159	0.001666254	0.001666254	8.5128E-06	0.012212547	0.002461876	0.043538991	0.038965829	8.54503E-06	38.61314774	3.19355E-05	0.000447514
2109 Nov	155.7692108	0.109136462	0.021753177	0.001743571	23.03183746	0.054925535	36.28318024	0.00166188	0.00166188	8.49343E-06	0.012241019	0.002450219	0.043863118	0.038544342	8.52555E-06	38.37664795	3.18314E-05	0.00044309
2109 Dec	155.9537048	0.109322265	0.021770233	0.001745733	23.05963326	0.05501046	36.32838821	0.001664015	0.001664015	8.50423E-06	0.012258	0.002453057	0.043914944	0.038586222	8.53645E-06	38.42075729	3.18692E-05	0.000443572
2110 Jan	156.0323792	0.109400682	0.021778433	0.001746612	23.072052	0.055044398	36.34688187	0.001664886	0.001664886	8.50862E-06	0.01226485	0.002454283	0.04393553	0.03860569	8.54089E-06	38.44051743	3.18847E-05	0.00044379
2110 Feb	156.098526	0.109455556	0.021787375	0.001747311	23.08266449	0.055068076	36.36164474	0.001665566	0.001665566	8.51207E-06	0.012269939	0.002455332	0.043952078	0.038623545	8.54436E-06	38.45783615	3.18974E-05	0.000443987
2110 Mar	156.2325897	0.109551631	0.021806492	0.001748789	23.10300255	0.05511466	36.39224625	0.001666979	0.001666979	8.51929E-06	0.012280324	0.002457455	0.043988649	0.03865787	8.5516E-06	38.49158096	3.19245E-05	0.000444376
2110 Apr	156.7837219	0.109938629	0.021883788	0.001754946	23.18481064	0.055308461	36.52019501	0.001672848	0.001672848	8.54928E-06	0.012323534	0.002466135	0.04414314	0.038794983	8.58171E-06	38.62780762	3.20369E-05	0.00044595
2110 May	162.4234009	0.112334937	0.022744751	0.001772339	23.85111809	0.055339787	38.15516663	0.001687637	0.001687637	8.63149E-06	0.012462369	0.002528313	0.045579661	0.040118273	8.66609E-06	39.97700882	3.28354E-05	0.000460159
2110 Jun	170.6938629	0.102482304	0.027617428	0.001674142	25.01885986	0.043981895	39.43093872	0.001563572	0.001563572	8.04198E-06	0.011574393	0.002587365	0.045936324	0.044290334	8.06534E-06	43.07037735	3.47441E-05	0.000509336
2110 Jul	173.8909912	0.100432679	0.028584732	0.001782177	25.41329575	0.045659937	39.63356781	0.001665049	0.001665049	8.55421E-06	0.012256133	0.002671578	0.047134411	0.045164704	8.57563E-06	43.80698395	3.69633E-05	0.000526572
2110 Aug	152.5105743	0.076851912	0.024048382	0.001742025	21.40810966	0.049113385	36.07281113	0.001621223	0.001621223	8.32812E-06	0.011141078	0.002414593	0.044899493	0.037129004	8.34306E-06	36.8132019	3.06245E-05	0.000429352
2110 Sep	146.8391113	0.082843341	0.021314211	0.001672888	20.02285385	0.052026954	36.67448044	0.001543819	0.001543819	7.95383E-06	0.010753406	0.002252915	0.046372097	0.032585632	7.96666E-06	33.82156372	2.73972E-05	0.000382861
2110 Oct	145.1421967	0.100750692	0.019409129	0.001635779	19.6110611	0.055138424	37.61655045	0.001496174	0.001496174	7.72937E-06	0.011027986	0.002154697	0.047876939	0.029804956	7.73939E-06	32.21777344	2.67105E-05	0.000354215
2110 Nov	144.6804199	0.104503751	0.019065045	0.001624754	19.52462006	0.055474725	37.73358536	0.001483047	0.001483047	7.66636E-06	0.01108233	0.002133198	0.048048101	0.029295227	7.67553E-06	31.90153503	2.66845E-05	0.000348737
2110 Dec	144.805069	0.104672454	0.019073645	0.00162615	19.54245567	0.055538282	37.76796722	0.001484366	0.001484366	7.67312E-06	0.011094564	0.002134902	0.048089854	0.029316615	7.68233E-06	31.92762566	2.67097E-05	0.000348997
2111 Jan	144.8507385	0.104734339	0.019077642	0.001626557	19.54929352	0.055557169	37.78038406	0.001484746	0.001484746	7.67507E-06	0.01109834	0.002135499	0.048103727	0.029325629	7.6843E-06	31.93787575	2.67179E-05	0.000349097
2111 Feb	144.8812256	0.104767844	0.019081799	0.001626798	19.55442429	0.055566505	37.78751755	0.001484972	0.001484972	7.67624E-06	0.011100329	0.002135936	0.048111074	0.029333869	7.68547E-06	31.94595909	2.67229E-05	0.000349183
2111 Mar	145.1243439	0.104946367	0.019114472	0.001629489	19.58794022	0.055658128	37.85002518	0.001487431	0.001487431	7.68894E-06	0.011118718	0.002139538	0.048190068	0.029384783	7.6982E-06	32.00059128	2.67674E-05	0.000349782
2111 Apr	146.0643005	0.105626725	0.019238796	0.001640026	19.71526718	0.056017671	38.09449768	0.001497053	0.001497053	7.73867E-06	0.011190594	0.002153413	0.048501085	0.029576264	7.74799E-06	32.20854187	2.69406E-05	0.000352057
2111 May	152.2905121	0.110545836	0.021363184	0.001681374	21.4670639	0.055592261	38.13541031	0.001540046	0.001540046	7.94943E-06	0.011489607	0.002282781	0.048144605	0.033357628	7.95853E-06	35.04745483	2.85103E-05	0.000391181
2111 Jun	159.488266	0.110540278	0.028402258	0.001687106	25.8065834	0.046371043	33.58495712	0.001555163	0.001555163	7.99158E-06	0.011382431	0.002551177	0.041668158	0.044611488	7.99138E-06	42.20931625	3.22243E-05	0.000507144
2111 Jul	169.1663666	0.115606561	0.03032618	0.00181428	27.45282364	0.049200427	35.21177292	0.001677071	0.001677071	8.60939E-06	0.012239101	0.002725643	0.043883931	0.047707327	8.60983E-06	44.9668541	3.48501E-05	0.000544334
2111 Aug	163.7861786	0.102177724	0.028257636	0.001837141	25.78697395	0.051393829	35.01054001	0.001709166	0.001709166	8.76231E-06	0.012043348	0.00266395	0.044065055	0.044727154	8.76845E-06	42.61267471	3.31883E-05	0.000511537
2111 Sep	159.6239319	0.097249754	0.02603424	0.00181813	24.52191544	0.053809747	35.34866714	0.001697293	0.001697293	8.69991E-06	0.011753441	0.002574194	0.044873517	0.041625656	8.71103E-06	40.5068779	3.08488E-05	0.000481192
2111 Oct	153.4464722	0.098364383	0.022854166	0.001701037	22.39183807	0.053396754	36.46960831	0.001581626	0.001581626	8.1308E-06	0.011228684	0.002375626	0.04584004	0.036627758	8.14484E-06	37.06929016	2.85846E-05	0.000428028
2111 Nov	150.9700165	0.102917679	0.021363387	0.001657493	21.5435009	0.053988408	37.07978439	0.001534993	0.001534993	7.90514E-06	0.011158672	0.002287466	0.046563566	0.034256931	7.91896E-06	35.49279404	2.78434E-05	0.00040279
2111 Dec	151.1427917	0.103265628	0.021353263	0.001659149	21.5590477	0.054104455	37.14980316	0.001536476	0.001536476	7.91293E-06	0.011178052	0.002288913	0.046647035	0.034253851	7.92684E-06	35.51100159	2.7874E-05	0.000402812
2112 Jan	151.1921082	0.103326246	0.021355895	0.001659525	21.56485939	0.054123994	37.16589355	0.00153682	0.00153682	7.91474E-06	0.011181663	0.00228946	0.046664424	0.034260441	7.92867E-06	35.52023697	2.78816E-05	0.000402887
2112 Feb	151.2556458	0.10338024	0.021363974	0.001660076	21.57401466	0.054144051	37.18243408	0.00153733	0.00153733	7.91737E-06	0.011185757	0.002290343	0.046682838	0.034274835	7.93132E-06	35.53531647	2.78918E-05	0.000403045
2112 Mar	151.5531921	0.103586391	0.021406638	0.001663302	21.61720467	0.054249067	37.25462341	0.001540323	0.001540323	7.93278E-06	0.011207516	0.002294869	0.046772789	0.034344073	7.94676E-06	35.60631943	2.79463E-05	0.000403851
2112 Apr	152.4013062	0.104166985	0.021526989	0.001672593	21.73867035	0.054551676	37.46239853	0.001548929	0.001548929	7.97709E-06	0.011270087	0.002307731	0.047033373	0.034537494	7.99115E-06	35.80630493	2.81025E-05	0.000406121
2112 May	162.2555542	0.109165855	0.024240632	0.001707315	23.77950859	0.053155504	38.73310471	0.001583843	0.001583843	8.15398E-06	0.01153636	0.002466935	0.047548454	0.03911167	8.1696E-06	39.45530319	3.01601E-05	0.000452916
2112 Jun	154.3649445	0.093647242	0.028678611	0.001574951	24.42547035	0.038806193	32.59624863	0.001443256	0.001443256	7.43439E-06	0.010447451	0.002439589	0.04009584	0.043437749	7.43044E-06	40.86551666	3.17467E-05	0.000498763
2112 Jul	153.8197784	0.087469906	0.028911721	0.00167063	23.81402016	0.039571464	32.34545898	0.001528458	0.001528458	7.8687E-06	0.011092613	0.002452942	0.041289575	0.042374089	7.86049E-06	40.04169464	3.4089E-05	0.000500412
2112 Aug	162.6651001	0.090594515	0.029957581	0.001786621	24.89894104	0.042989925	34.56142426	0.001641893	0.001641893	8.44398E-06	0.01185208	0.002592087	0.044079937	0.044223383	8.44019E-06	42.01801682	3.60726E-05	0.000525056
2112 Sep	167.5773773	0.09047012	0.029327154	0.001835348	24.74888611	0.045681827	37.11714554	0.001692673	0.001692673	8.70547E-06	0.012184718	0.002625196	0.046918757	0.043536592	8.70977E-06	42.15946198	3.65187E-05	0.000522039
2112 Oct	169.6653137	0.091338329	0.027946707	0.001811826	24.01805305	0.046732586	39.56489563	0.001671832	0.001671832	8.61054E-06	0.012138249	0.002583955	0.049155045	0.041692182	8.6221E-06	41.35132217	3.59979E-05	0.000502754
2112 Nov	170.5717163	0.091944359	0.027748652	0.001812222	23.95391655	0.047088522	40.15446472	0.001672557	0.001672557	8.61638E-06	0.012168596	0.002583466	0.049713772	0.04146542	8.62954E-06	41.32307816	3.60073E-05	0.000500512
2112 Dec	170.7593689	0.092061862	0.027767299	0.001814092	23.97661591	0.047150292	40.206707	0.001674378	0.001674378	8.62565E-06	0.012182557	0.00258602	0.04977037	0.041502077	8.63894E-06	41.36407852	3.60444E-05	0.000500968
2113 Jan	170.872757	0.092129156	0.027775396	0.001815082	23.98888588	0.047185842	40.24129868	0.001675377	0.001675377	8.6307E-06	0.012190286	0.002587435	0.049804237	0.041521903	8.6441E-06	41.38769913	3.60648E-05	0.000501213
2113 Feb	170.9389954	0.092166416	0.027783955	0.001815669	23.99755287	0.047203097	40.2586937	0.001675938	0.001675938	8.63357E-06	0.012194434	0.002588355	0.04982277	0.041536957	8.64701E-06	41.40332031	3.60768E-05	0.000501388
2113 Mar	171.4448395	0.092440739	0.027866557	0.00182102	24.06903839	0.047342092	40.37724686	0.00168088	0.00168088	8.65903E-06	0.012230352	0.00259603	0.049969107	0.041660976	8.6725E-06	41.52651215	3.61831E-05	0.000502879
2113 Apr	172.3907928	0.092951745	0.028020602	0.001831057	24.20215416	0.047602922	40.599617	0.001690147	0.001690147	8.70676E-06	0.01229775	0.002610365	0.050244145	0.041891564	8.72031E-06	41.756073	3.63826E-05	0.000505659
2113 May	181.9749908	0.097625069	0.0289864	0.001844433	25.36756325	0.047845975	43.45166779	0.001710047	0.001710047	8.81069E-06	0.012472671	0.002715432	0.052192546	0.044326838	8.83306E-06	44.19736481	3.7383E-05	0.000529053
2113 Jun	180.5704498	0.097311035	0.0302977	0.001706068	26.35141563	0.041501701	41.43030167	0.001590332	0.001590332	8.19184E-06	0.011555322	0.002716191	0.047989268	0.047618568	8.21321E-06	45.99365997	3.62885E-05	0.000551669
2113 Jul	188.3102722	0.100159712	0.031806335	0.00183111	27.68476105	0.044546012	42.60568237	0.001712706	0.001712706	8.80796E-06	0.012341347	0.00287397	0.049709741	0.050220858	8.83049E-06	48.24275589	3.85044E-05	0.000581757
2113 Aug	194.3420715	0.101832226	0.032657925	0.001931663	28.59489059	0.047714323	43.82917023	0.001812038	0.001812038	9.30808E-06	0.012919936	0.002994573	0.051350668	0.051900383	9.33308E-06	49.80144501	3.97889E-05	0.000599962
2113 Sep	189.0196381	0.099764951	0.030251546	0.001893124	27.13912582	0.049400412	43.99358368	0.001778179	0.001778179	9.13766E-06	0.012658518	0.002883049	0.051673755	0.048506245	9.166E-06	47.34085083	3.78131E-05	0.000562319
2113 Oct	171.1670685	0.104921423	0.024310512	0.001722387	23.64530182	0.05086587	42.33008575	0.001615384	0.001615384	8.31724E-06	0.011953756	0.002531983	0.050088532	0.04002526	8.34554E-06	40.76238251	3.33373E-05	0.000467491
2113 Nov	168.5691223	0.109968364	0.023059189	0.001702685	23.12279129	0.052244935	42.32370377	0.001594609	0.001594609	8.21542E-06	0.011999913	0.002471469	0.050294757	0.038304754	8.24306E-06	39.55538177	3.27015E-05	0.000448617
2113 Dec	168.729126	0.110159293	0.023071062	0.001704544	23.14621544	0.052324858	42.3655014	0.001596419	0.001596419	8.22461E-06	0.012015412	0.002473799	0.050344475	0.038336139	8.25233E-06	39.59104156	3.27341E-05	0.00044899
2114 Jan	168.772995	0.110220015	0.023073986	0.001704987	23.15279007	0.05234652	42.37749481	0.001596844	0.001596844	8.22679E-06	0.012019363	0.002474399	0.050358206	0.038344435	8.25453E-06	39.60071945	3.27418E-05	0.000449082
2114 Feb	168.8112488	0.110259473	0.023078829	0.001705345	23.15929985	0.052360244	42.38603973	0.001597195	0.001597195	8.22857E-06	0.012022181	0.002474985	0.050367132	0.038355064	8.25632E-06	39.61103058	3.27484E-05	0.000449196
2114 Mar	169.07724	0.11043895	0.023115287	0.001708006	23.1963501	0.052442849	42.45236206	0.00159969	0.00159969	8.24142E-06	0.012041032	0.002478893	0.050445452	0.038416423	8.26922E-06	39.67405701	3.27995E-05	0.000449908
2114 Apr	169.7396698	0.110872589	0.023206338	0.001714686	23.28767395	0.052647669	42.61806107	0.001605948	0.001605948	8.27365E-06	0.012088092	0.002488623	0.05064214	0.038567979	8.30156E-06	39.83012009	3.29278E-05	0.000451679
2114 May	175.2702179	0.113911524	0.025117313	0.001709222	24.6427784	0.050743632	43.08991241	0.00160008	0.00160008	8.2455E-06	0.012043019	0.002577395	0.050420862	0.041683648	8.27287E-06	42.20596695	3.37753E-05	0.000481784
2114 Jun	185.6948395	0.118023068	0.029494384	0.001755234	27.59141159	0.047803942	42.96779633	0.001642817	0.001642817	8.45837E-06	0.012248466	0.002792109	0.049570538	0.048476435	8.4813E-06	47.17284393	3.62737E-05	0.00055175
2114 Jul	198.9608307	0.125340968	0.03183347	0.001907195	29.7731647	0.05152775	45.49380112	0.001790768	0.001790768	9.2077E-06	0.013278679	0.003019035	0.052545082	0.052580193	9.23388E-06	50.89524078	3.93631E-05	0.0005987
2114 Aug	211.2879944	0.132497087	0.033772819	0.002038772	31.68216324	0.055206705	48.16158676	0.001917856	0.001917856	9.85439E-06	0.014162903	0.003217713	0.055624869	0.056016672	9.88394E-06	54.15510178	4.18484E-05	0.000637725
2114 Sep	209.7744446	0.128650263	0.031901453	0.00203188	30.57015419	0.057001378	49.3281517	0.001918119	0.001918119	9.85402E-06	0.014080736	0.003155506	0.056899171	0.05350684	9.89179E-06	52.60158157	4.07479E-05	0.000613547
2114 Oct	198.2440796	0.126773283	0.027748363	0.001901878	27.77729988	0.056678668	48.88677597	0.001796291	0.001796291	9.24208E-06	0.013454303	0.002903388	0.056309845	0.0473448	9.28294E-06	47.92707062	3.78109E-05	0.000547043
2114 Nov	190.3575745	0.128744349	0.024579752	0.001809998	25.87556267	0.057003077	48.7220459	0.001711299	0.001711299	8.81415E-06	0.013124256	0.002723334	0.055969834	0.042912919	8.85813E-06	44.63016891	3.58922E-05	0.000498857
2114 Dec	190.1970673	0.128999099	0.024474308	0.001808133	25.82718658	0.057080276	48.74641037	0.001709656	0.001709656	8.80591E-06	0.01312555	0.002718681	0.055993102	0.042779658	8.85007E-06	44.54043579	3.58506E-05	0.000497427
2115 Jan	190.256485	0.129065573	0.024476113	0.00180859	25.83389854	0.057104241	48.76589966	0.001710111	0.001710111	8.80825E-06	0.013129971	0.002719355	0.05601288	0.042787906	8.85245E-06	44.55178833	3.58599E-05	0.000497521
2115 Feb	190.3066711	0.129107445	0.02448074	0.001808918	25.84013557	0.057117768	48.78079987	0.001710424	0.001710424	8.80988E-06	0.013132749	0.002719966	0.056027982	0.042797625	8.8541E-06	44.56277847	3.58672E-05	0.000497625
2115 Mar	190.4581909	0.129212514	0.024500972	0.001810327	25.86145592	0.057162039	48.81868744	0.001711759	0.001711759	8.81675E-06	0.013142955	0.002722157	0.056070942	0.042833433	8.86101E-06	44.59930038	3.58952E-05	0.000498034

Appendix D.2-14: B2

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2115 Apr	191.4803009	0.129906923	0.024633111	0.00182003	26.00079727	0.057468042	49.07987595	0.001720935	0.001720935	8.86402E-06	0.013213353	0.002736789	0.056370687	0.043064609	8.90851E-06	44.83942413	3.60876E-05	0.000500717
2115 May	191.6875305	0.130675912	0.025845816	0.001796285	26.88217163	0.055233266	47.71952438	0.001703113	0.001703113	8.76319E-06	0.013041194	0.002775664	0.05430856	0.045381945	8.8062E-06	46.21037674	3.63058E-05	0.00052198
2115 Jun	196.2038116	0.132755801	0.028757852	0.00182426	28.91265106	0.053136166	46.33804321	0.001732833	0.001732833	8.9032E-06	0.013127713	0.002914555	0.052437581	0.050172765	8.94118E-06	49.42512512	3.76957E-05	0.000570137
2115 Jul	209.1088104	0.14019978	0.030982599	0.001976899	31.1564579	0.057384372	48.70005417	0.001883546	0.001883546	9.66342E-06	0.014113589	0.003147471	0.055113792	0.054406721	9.7053E-06	53.18828964	4.03838E-05	0.000615423
2115 Aug	194.7167053	0.123559833	0.028778354	0.001924267	29.01399422	0.057152614	45.18900681	0.001837116	0.001837116	9.41441E-06	0.013242907	0.002994007	0.051905416	0.050708771	9.45252E-06	49.48871994	3.66587E-05	0.00056927
2115 Sep	188.4836578	0.117046535	0.027090935	0.001904077	27.83592987	0.05860569	44.27302933	0.001820295	0.001820295	9.325E-06	0.012868957	0.002903412	0.05154556	0.048031408	9.36359E-06	47.36731339	3.4333E-05	0.000542207
2115 Oct	187.2820435	0.116158076	0.026025271	0.001878878	27.14726639	0.058970969	44.96894836	0.001796753	0.001796753	9.20974E-06	0.012732484	0.002849951	0.052245732	0.046414468	9.25121E-06	46.34574127	3.35836E-05	0.000526021
2115 Nov	184.1552429	0.115598164	0.02417171	0.001818766	25.87478447	0.058790281	45.80366516	0.001738819	0.001738819	8.92429E-06	0.012465132	0.002740717	0.052974164	0.043527454	8.96903E-06	44.39966583	3.24366E-05	0.000496316
2115 Dec	184.1261292	0.115775876	0.024070071	0.001816653	25.81783295	0.058846507	45.90211487	0.00173672	0.00173672	8.91433E-06	0.0124637	0.002736076	0.053074181	0.043376591	8.9593E-06	44.31280899	3.24021E-05	0.000494808
2116 Jan	184.1867676	0.11582946	0.024070749	0.001817023	25.82270241	0.058868069	45.92516708	0.001737076	0.001737076	8.91621E-06	0.012467231	0.002736636	0.053097803	0.043381225	8.96123E-06	44.32218552	3.24093E-05	0.000494868
2116 Feb	184.2892456	0.11590033	0.024084229	0.001817945	25.83791924	0.058899112	45.95016861	0.00173797	0.00173797	8.92078E-06	0.012473673	0.002738151	0.053124711	0.043407205	8.96583E-06	44.34808731	3.24259E-05	0.000495153
2116 Mar	184.4499969	0.116004243	0.024106225	0.001819503	25.86141586	0.058949135	45.98894882	0.001739464	0.001739464	8.92843E-06	0.012484325	0.002740574	0.053168908	0.04344729	8.97353E-06	44.3881073	3.24537E-05	0.000495602
2116 Apr	185.3717499	0.116585284	0.024227388	0.001828581	25.99123764	0.0592428	46.21794128	0.001748143	0.001748143	8.97298E-06	0.012546577	0.002754293	0.053433381	0.043665778	9.0183E-06	44.61074066	3.26157E-05	0.00049809
2116 May	193.8408051	0.118311964	0.025719209	0.001822946	26.93287086	0.05730556	48.64819717	0.001741855	0.001741855	8.95224E-06	0.012574968	0.002836641	0.055104349	0.045962799	9.00153E-06	46.79557419	3.39628E-05	0.000522331
2116 Jun	176.1719971	0.099144638	0.028436849	0.001601172	25.81211662	0.041296829	40.88740158	0.001503047	0.001503047	7.7525E-06	0.010884385	0.002637069	0.04672718	0.046456344	7.77099E-06	44.96723175	3.34309E-05	0.000527644
2116 Jul	183.7023621	0.101590961	0.030160826	0.001725777	26.96168137	0.043461986	42.06435013	0.001618405	0.001618405	8.34158E-06	0.011729178	0.002777266	0.048908334	0.048623089	8.35718E-06	46.92483139	3.62274E-05	0.00055834
2116 Aug	194.9204559	0.107469194	0.031895984	0.00186056	28.70131874	0.047128353	44.36487579	0.001750772	0.001750772	9.01118E-06	0.012640094	0.00296404	0.051739775	0.051755223	9.03067E-06	49.90155411	3.87661E-05	0.000596418
2116 Sep	189.3624573	0.108302705	0.029266248	0.00185986	27.19211388	0.050037563	44.35004425	0.001752387	0.001752387	9.01768E-06	0.012793358	0.002850403	0.052496273	0.04785255	9.04028E-06	47.14303589	3.78093E-05	0.000560255
2116 Oct	177.9463348	0.116429538	0.024514684	0.001772022	24.71990776	0.053182743	43.85374069	0.001670628	0.001670628	8.60426E-06	0.012672757	0.002610221	0.05228981	0.041357741	8.6301E-06	42.3598175	3.52243E-05	0.000490121
2116 Nov	177.5521851	0.118892178	0.023974963	0.001768451	24.55927849	0.053976431	44.08934784	0.001667873	0.001667873	8.5908E-06	0.012737919	0.002593098	0.052549154	0.04075174	8.61766E-06	41.99553299	3.50777E-05	0.000483404
2116 Dec	177.6619415	0.119029984	0.023978647	0.001769637	24.57362556	0.054032739	44.12152481	0.001669061	0.001669061	8.5968E-06	0.012748659	0.002594548	0.052584384	0.040769313	8.62375E-06	42.01794052	3.50996E-05	0.000483621
2117 Jan	177.6812897	0.119065113	0.023976853	0.001769732	24.57516861	0.054043442	44.12996292	0.001669157	0.001669157	8.59731E-06	0.012750173	0.002594684	0.052592646	0.040769339	8.62428E-06	42.02023315	3.51014E-05	0.000483618
2117 Feb	177.7009125	0.119087107	0.023978546	0.00176985	24.57806396	0.054049462	44.13544083	0.001669273	0.001669273	8.59791E-06	0.012751282	0.002594932	0.052597698	0.040773805	8.62489E-06	42.02498627	3.51039E-05	0.000483661
2117 Mar	177.8973999	0.119221896	0.024005329	0.001771785	24.60577774	0.054108884	44.1836586	0.001671103	0.001671103	8.60733E-06	0.012765259	0.002597816	0.052654617	0.040820017	8.63434E-06	42.07216263	3.51423E-05	0.000484203
2117 Apr	179.0529633	0.119997054	0.024161704	0.001783284	24.76599693	0.054459807	44.47012711	0.00168195	0.00168195	8.66319E-06	0.012848076	0.002614706	0.05299582	0.041086089	8.69038E-06	42.34599304	3.53704E-05	0.000487356
2117 May	183.0144043	0.124412529	0.02529249	0.001802402	25.90117943	0.054498203	44.60183716	0.001704422	0.001704422	8.7708E-06	0.013016515	0.002694181	0.052686229	0.04346025	8.79934E-06	44.15330505	3.61292E-05	0.000510128
2117 Jun	182.8053589	0.123580888	0.028320098	0.001776131	27.77922249	0.049924996	41.22238159	0.001683903	0.001683903	8.64755E-06	0.012673946	0.002790045	0.048265681	0.048475847	8.6687E-06	46.99525452	3.66616E-05	0.000556456
2117 Jul	194.8442078	0.130768493	0.030515613	0.001927946	29.91998291	0.053858634	43.24394989	0.001833218	0.001833218	9.40076E-06	0.013688815	0.003011361	0.050770242	0.052500926	9.42435E-06	50.546875	3.95383E-05	0.000601684
2117 Aug	201.5408478	0.133373484	0.031632073	0.002029619	31.08587074	0.056926958	44.39220428	0.001934311	0.001934311	9.90863E-06	0.014280193	0.003145624	0.05229624	0.054682512	9.9345E-06	52.48343277	4.09155E-05	0.000625483
2117 Sep	201.7578583	0.132573187	0.031304844	0.002044973	30.94532394	0.058019925	44.73801422	0.001950276	0.001950276	9.98927E-06	0.014332841	0.003148291	0.052813191	0.054275952	1.00165E-05	52.27598953	4.06999E-05	0.000621324
2117 Oct	193.1078491	0.128642574	0.028582511	0.001956913	28.93560219	0.057569057	44.17347717	0.001866369	0.001866369	9.56702E-06	0.013799582	0.002974144	0.052148629	0.050027858	9.59603E-06	48.95434952	3.84057E-05	0.000574403
2117 Nov	190.7161713	0.128433973	0.027788367	0.001933588	28.4116745	0.057605803	43.99710083	0.001844357	0.001844357	9.45587E-06	0.013686032	0.002926022	0.051953573	0.048852567	9.48537E-06	48.04278946	3.78172E-05	0.000561472
2117 Dec	190.7242432	0.128557801	0.027759468	0.001933821	28.40423775	0.057664059	44.02064896	0.001844641	0.001844641	9.45732E-06	0.013691843	0.002925493	0.051980469	0.048821442	9.48692E-06	48.02707291	3.78137E-05	0.000561148
2118 Jan	190.7516937	0.128596365	0.027758405	0.001934038	28.40698051	0.05767937	44.03092194	0.001844861	0.001844861	9.45845E-06	0.013694073	0.002925775	0.051991053	0.04882345	9.48808E-06	48.03138351	3.78168E-05	0.000561168
2118 Feb	190.8012848	0.128637955	0.027765112	0.001934481	28.41508865	0.0576948	44.04211807	0.001845298	0.001845298	9.46067E-06	0.013697351	0.002926534	0.052002557	0.048837405	9.49031E-06	48.0447731	3.78251E-05	0.000561317
2118 Mar	190.9098358	0.128713965	0.027781576	0.001935557	28.43206215	0.057726867	44.06616592	0.00184633	0.00184633	9.46595E-06	0.01370495	0.002928228	0.052030332	0.048866998	9.49561E-06	48.07321167	3.78461E-05	0.000561649
2118 Apr	192.1292267	0.129802883	0.027945274	0.001944852	28.636549	0.058076754	44.34519196	0.001855555	0.001855555	9.51287E-06	0.013774951	0.002946433	0.052296519	0.049220841	9.54307E-06	48.41009521	3.80203E-05	0.00056523
2118 May	185.6467285	0.125855476	0.029624697	0.00184125	29.4169426	0.052003335	39.97999573	0.001761173	0.001761173	9.01336E-06	0.01291655	0.00292626	0.046554487	0.052065238	9.03721E-06	49.38898087	3.68512E-05	0.000587029
2118 Jun	165.4361115	0.107671298	0.031126857	0.001631251	28.30765343	0.039880373	31.63334274	0.001544045	0.001544045	7.90516E-06	0.011081167	0.00272169	0.037458979	0.051984347	7.9048E-06	47.10151291	3.39481E-05	0.000579484
2118 Jul	177.3486176	0.114725336	0.033491895	0.00177459	30.45109749	0.043206997	33.56189728	0.001682947	0.001682947	8.60878E-06	0.012046297	0.002937011	0.039935749	0.056034803	8.60902E-06	50.65337753	3.68711E-05	0.000625906
2118 Aug	180.354126	0.11232619	0.033240918	0.001866946	30.44212723	0.047047518	34.79323578	0.00177333	0.00177333	9.06675E-06	0.012493421	0.002994169	0.042122949	0.055631757	9.06961E-06	50.72161865	3.72506E-05	0.000626048
2118 Sep	166.3248291	0.107307613	0.026912507	0.001739809	26.1854496	0.04995022	35.83103561	0.001648827	0.001648827	8.45316E-06	0.011764929	0.002648999	0.043999087	0.045560021	8.46203E-06	43.61067581	3.24815E-05	0.00052302
2118 Oct	159.0287476	0.113851912	0.022716017	0.001642068	23.60551834	0.051856719	37.37726212	0.001546545	0.001546545	7.95896E-06	0.011551491	0.002419506	0.045928609	0.038945563	7.96869E-06	39.11720657	3.03537E-05	0.000452515
2118 Nov	158.7352295	0.1163629	0.022006758	0.001630431	23.20867729	0.052510247	38.06959915	0.001532132	0.001532132	7.89375E-06	0.011584815	0.002385942	0.04675765	0.037774142	7.90337E-06	38.42252731	3.01618E-05	0.000440113
2118 Dec	158.8982544	0.116552792	0.022016888	0.001632219	23.23128128	0.052589148	38.11444473	0.001533889	0.001533889	7.90268E-06	0.011600063	0.002388207	0.046808802	0.037804015	7.91239E-06	38.45775223	3.0194E-05	0.000440472
2119 Jan	158.9654846	0.116625316	0.022021655	0.00163283	23.23997498	0.052616343	38.13412857	0.001534474	0.001534474	7.90568E-06	0.011605333	0.002389069	0.046830483	0.037815701	7.91543E-06	38.47181702	3.02056E-05	0.000440607
2119 Feb	159.0279541	0.11667791	0.022029182	0.001633357	23.24871445	0.052635442	38.15064621	0.001534966	0.001534966	7.90824E-06	0.011609372	0.002389925	0.046848901	0.0378295	7.91799E-06	38.48641205	3.0216E-05	0.000440759
2119 Mar	159.3334503	0.116903372	0.022072218	0.001636468	23.29401207	0.052735299	38.22308731	0.001537892	0.001537892	7.92331E-06	0.01163145	0.002394538	0.046937395	0.037903726	7.93308E-06	38.56127167	3.02736E-05	0.000441617
2119 Apr	164.2919312	0.12148308	0.023022488	0.001663433	24.27693748	0.053538345	39.14863586	0.001563969	0.001563969	8.05668E-06	0.011825922	0.002471869	0.047670763	0.039738744	8.06757E-06	40.15905762	3.08846E-05	0.000459125
2119 May	181.0377197	0.132033721	0.03154039	0.001651126	30.4086132	0.04646907	37.54144287	0.001550275	0.001550275	7.97501E-06	0.011343434	0.002858185	0.043233283	0.05389284	7.97656E-06	50.06829834	3.26396E-05	0.000586588
2119 Jun	178.5791473	0.123841807	0.033319261	0.001653765	30.6181469	0.042598702	35.27303314	0.001546305	0.001546305	7.95289E-06	0.011176249	0.002875557	0.041181311	0.055360965	7.94526E-06	50.52329254	3.36395E-05	0.000605392
2119 Jul	189.2307587	0.128804654	0.035364099	0.001786241	32.3217926	0.045298282	37.18570709	0.001673648	0.001673648	8.59997E-06	0.012090018	0.003059645	0.04372742	0.058613721	8.59294E-06	53.46585083	3.65933E-05	0.000645546
2119 Aug	197.2978516	0.130279243	0.036010876	0.001909904	33.20571899	0.049385343	39.3164444	0.001797947	0.001797947	9.22622E-06	0.01285675	0.003190238	0.046569698	0.060011629	9.22536E-06	55.12303543	3.82952E-05	0.000666904
2119 Sep	187.6846313	0.120912544	0.031865109	0.001853148	30.18443871	0.051104229	39.71318436	0.001748042	0.001748042	8.97573E-06	0.012458052	0.002973479	0.0476688	0.053365823	8.98186E-06	50.36214828	3.56267E-05	0.000603555
2119 Oct	179.3022461	0.120138675	0.027881322	0.001766394	27.59524155	0.052142259	40.34827805	0.00166751	0.00166751	8.57381E-06	0.012149082	0.002760524	0.048367605	0.047433089	8.58593E-06	46.13793564	3.35284E-05	0.000542203
2119 Nov	175.3991699	0.12019106	0.026263325	0.001723024	26.50077438	0.052255366	40.46014786	0.001625625	0.001625625	8.36576E-06	0.011987845	0.002665974	0.048487939	0.044946879	8.37902E-06	44.31775284	3.26379E-05	0.000515795
2119 Dec	175.5437164	0.120340176	0.026273271	0.001724571	26.52019119	0.052320905	40.50011826	0.001627146	0.001627146	8.37349E-06	0.012000593	0.002667972	0.048533544	0.044973481	8.38683E-06	44.34894562	3.26656E-05	0.000516119

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	1.5E-04	7.6E-04	9.9E-02	9.5E-06	1.1E+00	1.6E+00	2.1E-02	1.8E-04	3.4E+00	1.1E-03	9.4E-03	1.5E-04	1.3E-04	5.1E-05	6.5E-02	1.9E-06	5.8E-05	4.4E-04	1.5E-03	0.0E+00
Operations (2020-2043): Mean	2.6E-04	9.1E-04	1.3E-01	1.0E-05	1.3E+00	2.3E+00	4.0E-02	2.5E-04	4.5E+00	1.3E-03	1.1E-02	3.2E-04	1.8E-04	6.9E-05	9.4E-02	2.1E-06	6.7E-05	6.3E-04	1.8E-03	0.0E+00
Operations (2020-2043): Max	6.6E-04	1.3E-03	2.4E-01	1.2E-05	2.1E+00	4.7E+00	1.1E-01	3.1E-04	7.7E+00	1.8E-03	1.2E-02	9.7E-04	2.4E-04	1.3E-04	1.8E-01	2.3E-06	7.6E-05	1.3E-03	2.1E-03	0.0E+00
Active Closure (2044-2050): Min	1.5E-04	7.1E-04	9.5E-02	9.7E-06	1.0E+00	1.5E+00	2.1E-02	1.9E-04	3.2E+00	1.0E-03	9.2E-03	1.5E-04	1.6E-04	5.0E-05	6.3E-02	1.9E-06	5.6E-05	4.5E-04	1.7E-03	0.0E+00
Active Closure (2044-2050): Mean	1.8E-04	8.1E-04	1.1E-01	1.0E-05	1.1E+00	1.8E+00	2.7E-02	2.4E-04	3.8E+00	1.1E-03	1.0E-02	2.0E-04	1.7E-04	5.7E-05	7.5E-02	2.1E-06	6.2E-05	5.1E-04	1.8E-03	0.0E+00
Active Closure (2044-2050): Max	2.4E-04	9.0E-04	1.3E-01	1.1E-05	1.3E+00	2.2E+00	3.8E-02	2.7E-04	4.3E+00	1.3E-03	1.1E-02	3.0E-04	1.9E-04	6.8E-05	9.0E-02	2.2E-06	6.7E-05	6.3E-04	2.0E-03	0.0E+00
Water quality guideline for the protection of aquatic life	***0.005***	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	1.5E-04	7.6E-04	9.8E-02	1.0E-05	1.0E+00	1.6E+00	2.2E-02	2.2E-04	3.4E+00	1.1E-03	9.7E-03	1.6E-04	1.7E-04	5.1E-05	6.6E-02	2.0E-06	5.9E-05	4.6E-04	1.8E-03	5.9E-05
Post Closure (2051-2119): Mean	5.6E-04	1.9E-03	2.4E-01	1.7E-05	2.6E+00	7.5E+00	9.1E-02	6.7E-04	2.9E+01	3.4E-03	1.8E-02	7.5E-04	4.6E-04	2.0E-04	2.1E-01	3.5E-06	1.8E-04	1.2E-03	3.0E-03	2.2E-04
Post Closure (2051-2119): Max	9.0E-04	2.6E-03	3.3E-01	2.1E-05	3.5E+00	1.1E+01	1.5E-01	9.3E-04	4.2E+01	4.5E-03	2.2E-02	1.2E-03	6.2E-04	2.9E-04	2.9E-01	4.2E-06	2.4E-04	1.8E-03	3.8E-03	3.4E-04
Water quality guideline for the protection of aquatic life	***0.005***	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2119)																				
2020 Jan	0.000650138	0.001250162	0.231537133	1E-05	2.106808424	4.625864029	0.110098734	0.000197524	7.531255722	0.0018002	0.011500625	0.000956	0.00023	0.00013	0.179782823	2E-06	7.50063E-05	0.0013002	0.001824931	0
2020 Feb	0.000650272	0.001250322	0.231573522	1E-05	2.1071105	4.626710415	0.110121988	0.000197548	7.532485485	0.001800396	0.011501237	0.000956	0.00023	0.00013	0.179814979	2E-06	7.50124E-05	0.001300396	0.001824864	0
2020 Mar	0.000650442	0.001250594	0.231627643	1.00015E-05	2.107587576	4.627855301	0.110150903	0.000197591	7.534270287	0.00180077	0.011503289	0.000956143	0.000230034	0.000130019	0.179859087	2.0003E-06	7.50269E-05	0.001300696	0.001825101	0
2020 Apr	0.000651542	0.00125268	0.232015938	1.00178E-05	2.1111123 56	4.635649204	0.110337339	0.00019792	7.546914577	0.001803764	0.01152222	0.000957702	0.000230409	0.000130231	0.180161759	2.00356E-06	7.5151E-05	0.001302874	0.001828056	0
2020 May	0.000661467	0.001271754	0.235549361	1.01702E-05	2.143260717	4.706255436	0.112018131	0.000200933	7.661851406	0.001831227	0.011697601	0.000972275	0.000233916	0.000132213	0.182905778	2.03405E-06	7.6295E-05	0.001322715	0.001855869	0
2020 Jun	0.000568683	0.001155773	0.209762365	1.00389E-05	1.926653028	4.116290092	0.096032217	0.000183405	6.794013977	0.001685047	0.011163637	0.000829273	0.000230895	0.000117193	0.160440683	2.00778E-06	7.14807E-05	0.001183101	0.001874026	0
2020 Jul	0.000545065	0.0011421	0.204794809	1.02655E-05	1.888943434	3.98231101	0.091843665	0.00018236	6.624987602	0.001669157	0.01124987	0.000791525	0.000233932	0.000114076	0.155443281	2.05309E-06	7.14369E-05	0.001151538	0.001922652	0
2020 Aug	0.000557778	0.001179159	0.210373446	1.06424E-05	1.94389677	4.086645603	0.09386877	0.000191191	6.819201946	0.00171913	0.011626456	0.000808686	0.00023941	0.000117185	0.159600824	2.12849E-06	7.38068E-05	0.0011762	0.00198091	0
2020 Sep	0.000526707	0.001150996	0.200987831	1.04753E-05	1.874260306	3.905984402	0.088025942	0.000208864	6.590128422	0.001657955	0.011433664	0.000754778	0.000224266	0.000111647	0.152803034	2.09507E-06	7.32724E-05	0.001105483	0.001907794	0
2020 Oct	0.00049072	0.001121464	0.190344006	1.02754E-05	1.792633891	3.698660612	0.081161201	0.00023153	6.326548576	0.001585778	0.011256178	0.000691572	0.000206484	0.000104885	0.144915164	2.05509E-06	7.30604E-05	0.001024677	0.001821561	0
2020 Nov	0.0004801	0.001112893	0.187211707	1.0218E-05	1.768679619	3.637646914	0.079132691	0.000238328	6.249306202	0.001564596	0.01120557	0.000672883	0.000201228	0.000102891	0.142594665	2.04359E-06	7.30119E-05	0.001000812	0.001796241	0
2020 Dec	0.000479825	0.001112711	0.187133238	1.02169E-05	1.768097997	3.636117697	0.079079553	0.000238534	6.247460365	0.001564082	0.011204751	0.000672391	0.000201091	0.00010284	0.142536744	2.04338E-06	7.30145E-05	0.001000191	0.001795622	0
2021 Jan	0.000479838	0.001112758	0.187137127	1.02169E-05	1.768144488	3.636240721	0.079080887	0.000238578	6.247711658	0.001564099	0.011205034	0.000672341	0.000201073	0.000102836	0.142541513	2.04338E-06	7.30183E-05	0.001000182	0.001795537	0
2021 Feb	0.000479962	0.001112962	0.187177092	1.02181E-05	1.768498659	3.637082815	0.07910195	0.000238611	6.249033928	0.001564379	0.011206608	0.000672446	0.0002011	0.00010285	0.142573997	2.04361E-06	7.30294E-05	0.001000403	0.001795724	0
2021 Mar	0.000480165	0.001113388	0.187251911	1.02216E-05	1.769192576	3.638571978	0.079135835	0.000238696	6.251523972	0.001564974	0.011210639	0.000672694	0.000201171	0.000102887	0.142632067	2.04432E-06	7.30561E-05	0.001000806	0.001796334	0
2021 Apr	0.000480507	0.001114155	0.187382609	1.02284E-05	1.770420313	3.641132355	0.07919237	0.000238858	6.255884171	0.00156605	0.011218209	0.000673151	0.000201306	0.000102957	0.142732278	2.04569E-06	7.31057E-05	0.001001507	0.001797527	0
2021 May	0.000485963	0.001126158	0.189454839	1.03349E-05	1.789795637	3.681720734	0.080099024	0.000241254	6.324570656	0.001583028	0.011336311	0.000680901	0.000203484	0.000104102	0.1443194	2.06697E-06	7.38756E-05	0.001012739	0.0018164	0
2021 Jun	0.000441522	0.001060297	0.1767883	1.02256E-05	1.678621531	3.38628602	0.072690807	0.000221977	5.865784168	0.001510093	0.010996586	0.000615445	0.000206097	9.69039E-05	0.133011952	2.04511E-06	7.06381E-05	0.000953291	0.001839484	0
2021 Jul	0.000430402	0.001062367	0.175400347	1.04798E-05	1.669980407	3.330893755	0.070679121	0.000221547	5.811715603	0.001514589	0.011153177	0.000597553	0.000209972	9.58654E-05	0.131002173	2.09596E-06	7.11236E-05	0.000940622	0.001888078	0
2021 Aug	0.000430728	0.001079641	0.176798746	1.0703E-05	1.688280702	3.351333857	0.07054849	0.000228777	5.878665924	0.001532943	0.011338537	0.000596041	0.000210017	9.66471E-05	0.131934509	2.1406E-06	7.22568E-05	0.00093745	0.001909611	0
2021 Sep	0.000404668	0.001052333	0.16839771	1.04796E-05	1.625330091	3.196573734	0.065647095	0.000244438	5.677583218	0.001474651	0.01110745	0.000550809	0.000194912	9.18011E-05	0.126097023	2.09592E-06	7.15164E-05	0.000874466	0.001828434	0
2021 Oct	0.000388436	0.00104132	0.163552612	1.03767E-05	1.589225054	3.106309652	0.062459394	0.000258749	5.568817139	0.001440686	0.011041476	0.000521158	0.000185055	8.86218E-05	0.122660987	2.07534E-06	7.17116E-05	0.000835375	0.001779864	0
2021 Nov	0.000388641	0.001043315	0.163727373	1.03969E-05	1.591411114	3.10970664	0.062466651	0.000260003	5.577266693	0.001442612	0.011064887	0.000521083	0.000185058	8.86919E-05	0.122800834	2.07938E-06	7.18914E-05	0.00083563	0.00178195	0
2021 Dec	0.000388768	0.001043788	0.163788885	1.04016E-05	1.592053533	3.110882044	0.062484685	0.00026019	5.579590321	0.00144319	0.011070105	0.000521221	0.00018511	8.87229E-05	0.122847781	2.08032E-06	7.19278E-05	0.000835885	0.001782637	0
2022 Jan	0.000388801	0.001043863	0.163799986	1.0402E-05	1.592161298	3.111132383	0.06248967	0.000260225	5.580028534	0.001443267	0.011070711	0.000521226	0.000185108	8.87249E-05	0.122857481	2.0804E-06	7.1933E-05	0.000835929	0.001782652	0
2022 Feb	0.000388856	0.001043934	0.163815945	1.04022E-05	1.592295885	3.111486435	0.06249927	0.000260232	5.580549717	0.001443364	0.011071107	0.000521262	0.000185114	8.87292E-05	0.122870989	2.08044E-06	7.19361E-05	0.00083602	0.001782674	0
2022 Mar	0.000388982	0.00104423	0.16386497	1.04048E-05	1.59276104	3.112444878	0.062519886	0.0002603	5.582207203	0.001443772	0.011074048	0.00052141	0.000185163	8.87533E-05	0.122908592	2.08097E-06	7.19555E-05	0.000836275	0.001783126	0
2022 Apr	0.000391158	0.001050048	0.164779365	1.04626E-05	1.601642609	3.129828453	0.062869854	0.000261747	5.613349915	0.001451815	0.01113563	0.000524315	0.000186193	8.92472E-05	0.123594917	2.09253E-06	7.23558E-05	0.000840945	0.001793029	0
2022 May	0.000396127	0.001063378	0.166871905	1.05954E-05	1.621979117	3.169580698	0.063668691	0.000265069	5.684629917	0.001470246	0.011276956	0.000530972	0.000188556	9.03801E-05	0.125164628	2.11908E-06	7.32741E-05	0.000851626	0.00181578	0
2022 Jun	0.000356813	0.00099896	0.155379519	1.04523E-05	1.518490076	2.900877476	0.057235323	0.000242864	5.253758907	0.001402317	0.010920862	0.000474487	0.000192464	8.39133E-05	0.11483866	2.09046E-06	6.99087E-05	0.000802452	0.001839162	0
2022 Jul	0.000284774	0.000877795	0.132954851	9.8534E-06	1.309602737	2.399201393	0.045254137	0.000205316	4.452571869	0.00124568	0.009985532	0.000372389	0.000183319	7.11361E-05	0.095434248	1.97068E-06	6.22941E-05	0.000680144	0.001763219	0
2022 Aug	0.000287951	0.000904166	0.135663375	1.01735E-05	1.341257334	2.444111109	0.045567755	0.000215077	4.566411018	0.001276309	0.010267081	0.000374531	0.00018471	7.26502E-05	0.097348928	2.03471E-06	6.40434E-05	0.000682679	0.00179976	0
2022 Sep	0.000277315	0.000897623	0.132131755	1.00877E-05	1.31996274	2.388799667	0.043419734	0.000229653	4.511875629	0.001252793	0.010196627	0.000353815	0.000175062	7.07178E-05	0.095340125	2.01754E-06	6.42491E-05	0.000650864	0.001751321	0
2022 Oct	0.000268936	0.000893252	0.129420906	9.99356E-06	1.30051434	2.344609976	0.04167407	0.000241692	4.463280678	0.001231436	0.01015713	0.000337256	0.000167292	6.88549E-05	0.093646847	1.99871E-06	6.45813E-05	0.000626878	0.001709759	0
2022 Nov	0.000269499	0.000895771	0.129728422	1.00205E-05	1.303820014	2.350317001	0.041748933	0.00024274	4.475127697	0.001234485	0.010186058	0.000337794	0.000167571	6.90068E-05	0.093876787	2.0041E-06	6.47814E-05	0.000628067	0.001713662	0
2022 Dec	0.000269578	0.000896151	0.129772812	1.00245E-05	1.304305792	2.351146221	0.041758791	0.00024291	4.476887226	0.00123493	0.010190424	0.000337862	0.000167607	6.90283E-05	0.093910277	2.0049E-06	6.48121E-05	0.000628227	0.001714219	0
2023 Jan	0.000269616	0.000896225	0.129784718	1.00248E-05	1.304417372	2.351423502	0.041764811	0.000242943	4.477349758	0.001235006	0.010190949	0.000337875	0.000167604	6.90307E-05	0.093920946	2.00495E-06	6.48169E-05	0.000628278	0.001714212	0
2023 Feb	0.000269677	0.000896303	0.129802316	1.0025E-05	1.304565191	2.351814747	0.041775476	0.00024295	4.477922916	0.001235112	0.010191373	0.000337919	0.00016761	6.90357E-05	0.093935855	2.00499E-06	6.48203E-05	0.000628379	0.001714235	0
2023 Mar	0.000269728	0.000896401	0.129819959	1.00257E-05	1.304726839	2.352173805	0.041783884	0.00024297	4.478513241	0.001235246	0.010192236	0.000337963	0.000167625	6.90427E-05	0.093949817	2.00514E-06	6.48261E-05	0.000628473	0.001714353	0
2023 Apr	0.000270582	0.000899203	0.1302277	1.00568E-05	1.308815718	2.359583855	0.041916676	0.000243725	4.49256897	0.001239107	0.010223949	0.000339024	0.000168146	6.92582E-05	0.094245575	2.01136E-06	6.5028E-05	0.000630451	0.001719672	0
2023 May	0.00027859	0.0009144	0.133061588	1.01768E-05	1.334536195	2.416331291	0.04327485	0.000246073	4.584612846	0.001261019	0.010362715	0.000350828	0.00017094	7.08511E-05	0.096449696	2.03537E-06	6.59339E-05	0.000646418	0.001741639	0
2023 Jun	0.000290484	0.00089833	0.134830609	9.95011E-06	1.336470246	2.455495119	0.045914421	0.000223441	4.572642803	0.001261751	0.010142061	0.000376217	0.000178509	7.22942E-05	0.097737849	1.99002E-06	6.40239E-05	0.000679903	0.001749133	0
2023 Jul	0.000273647	0.000877818	0.130561799	9.97202E-06	1.297463775	2.345962286	0.043094538	0.000214546	4.408656597	0.001238751	0.010055772	0.000352043	0.000180185	6.97531E-05	0.093548499	1.9944E-06	6.28588E-05	0.000656693	0.001765948	0
2023 Aug	0.00027722	0.000903277	0.133362383	1.02745E-05	1.327675939	2.390787363	0.043501265	0.000222452	4.516697884	0.00126835	0.010327986	0.000355346	0.000182103	7.12146E-05	0.095417961	2.05491E-06	6.44932E-05	0.000661055	0.00180278	0
2023 Sep	0.00027399	0.000907619	0.132597327	1.03372E-05	1.330166698	2.383449554	0.042761505	0.000232542	4.533499241	0.001268882	0.010373103	0.000347384	0.000178381	7.10394E-05	0.095293112	2.06744E-06	6.51051E-05	0.000648706	0.001793812	0
2023 Oct	0.000270301	0.000908107	0.131518453	1.03138E-05	1.323592544	2.367017508	0.041940738	0.000240137	4.521512985	0.00126084	0.010382894	0.000339395	0.000174511	7.0226E-05	0.094673261	2.06276E-06	6.55033E-05	0.000637456	0.001775431	0
2023 Nov	0.000270675	0.0009112	0.13180232	1.03448E-05	1.327060461	2.372552395	0.041963246	0.000242021	4.534853935	0.00126389	0.010418855	0.000339385	0.00017454	7.03437E-05	0.094899975	2.06896E-06	6.57782E-05	0.000637973	0.001778718	0
2023 Dec	0.000270733	0.000911542	0.131838843	1.03484E-05	1.327476382	2.373243332	0.041969508	0.000242195	4.536393166	0.001264266	0.010422809	0.00033942	0.000174561	7.03605E-05	0.094928026	2.06967E-06	6.58069E-05	0.000638082	0.001779168	0
2024 Jan	0.000270773	0.000911606	0.131849498	1.03483E-05	1.327573299	2.373515129	0.041975714	0.000242229	4.536827087	0.001264319	0.010423131	0.000339427	0.00017455	7.03613E-05	0.094938375	2.06967E-06	6.58109E-05	0.000638125	0.0017791	0
2024 Feb	0.000270844	0.000911684	0.131868809	1.03483E-05	1.327730894	2.37395668	0.04198822	0.000242234	4.537452221	0.001264425	0.010423443	0.000339475	0.000174555	7.03661E-05	0.094955109	2.06967E-06	6.58137E-05	0.000638238	0.00177909	0
2024 Mar	0.000271126	0.000912544	0.131997511	1.03576E-05	1.32900691	2.376324415	0.042032652	0.000242454	4.541858673	0.001265617	0.010432959	0.000339805	0.000174715	7.04318E-05	0.095049322	2.07153E-06	6.58743E-05	0.000638872	0.001780679	0
2024 Apr	0.000271633	0.000914203	0.132239968	1.03762E-05	1.331436753	2.380717516	0.042111769	0.00024289	4.550189018	0.001267917	0.010451755	0.000340429	0.000175029	7.05595E-05	0.095224753	2.07524E-06	6.59932E-05	0.000640051	0.001783868	0
2024 May	0.000288696	0.0009352	0.137246236	1.04518E-05	1.373126745	2.488613605	0.045118418	0.00024324	4.705528259	0.001299614	0.010583362	0.000367299	0.000178686	7.34818E-05	0.099336751	2.09036E-06	6.6917E-05	0.000671255	0.001800974	0
2024 Jun	0.000325729	0.000941907	0.145051837	1.00899E-05	1.422370315	2.678039551	0.052129664	0.000223811	4.898706913	0.001325473	0.010368728	0.000432283	0.000183751	7.8485E-05	0.106264181	2.01797E-06	6.55912E-05	0.000738161	0.00177013	0
2024 Jul	0.000334172	0.000975893	0.149848953	1.05238E-05	1.470443368	2.757288456	0.053424377	0.000231089	5.056441784	0.001374159	0.010782795	0.000442758	0.000191668	8.09916E-05	0.109458879	2.10477E-06	6.80373E-05	0.000761273	0.001848433	0
2024 Aug	0.000339054	0.001001752	0.152798802	1.08349E-05	1.505809784	2.812164307	0.05406335	0.000241657	5.181416035	0.001407269	0.011064896	0.000447144	0.000193889	8.27819E-05	0.111770883	2.16698E-06	6.98993E-05	0.000768895	0.001888563	0
2024 Sep	0.000326716	0.000990991	0.148705766	1.07308E-05	1.47868681	2.74326992	0.051668234	0.00025376	5.102256775	0.001379846	0.010961476	0.000424455	0.000184631	8.05591E-05	0.109231725	2.14616E-06	6.97931E-05	0.000735224	0.001840734	0
2024 Oct	0.00032248	0.000992409	0.147611976	1.07289E-05	1.472487807	2.725150108	0.050733496	0.000262002	5.090707779	0.001372757	0.010990327	0.000415362	0.000180957	7.97049E-05	0.108556472	2.14578E-06	7.03068E-05	0.000723403	0.001825792	0
2024 Nov	0.00032024	0.000993134	0.147032037	1.07277E-05	1.469186664	2.715536594	0.050239615	0.000266341	5.084504604	0.001368989	0.011005285	0.00041056	0.000179016	7.92529E-05	0.108198062	2.14554E-06	7.05759E-05	0.000717156	0.001817874	0
2024 Dec	0.000320319	0.000993581	0.147080049	1.07323E-05	1.469731927	2.716452122	0.050248228	0.00026657	5.086529255	0.001369479	0.011010416	0.00041061	0.000179042	7.92751E-05	0.108235188	2.14645E-06	7.06134E-05	0.0007173	0.001818448	0
2025 Jan	0.00032036	0.000993652	0.147091538	1.07323E-05	1.46983707	2.716742992	0.050254691	0.000266609	5.08700037	0.001369537	0.011010801	0.000410609	0.00017903	7.92752E-05	0.108246252	2.14646E-06	7.06179E-05	0.000717345	0.001818377	0
2025 Feb	0.000320467	0.000993821	0.147125229	1.07332E-05	1.470132947	2.717459917	0.050272901	0.000266635	5.088112354	0.001369767	0.011012035	0.000410694	0.000179051	7.92867E-05	0.108273849	2.14663E-06	7.06268E-05	0.000717531	0.001818513	0
2025 Mar	0.000320564	0.000994035	0.147161767	1.0735E-05	1.470475793	2.71818614	0.050289039	0.000266682	5.089347363	0.001370062	0.011014068	0.000410791	0.000179084	7.93028E-05	0.108302258	2.14699E-06	7.06403E-05	0.000717721	0.001818812	0
2025 Apr	0.000320865	0.000994916	0.147294894	1.07442E-05	1.471793294	2.720674515	0.050336611	0.000266912	5.093935013	0.001371275	0.011023631	0.00041116	0.000179239	7.93724E-05	0.108401097	2.14884E-06	7.07019E-05	0.000718377	0.00182037	0

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.000325495	0.001009252	0.149418473	1.08989E-05	1.493007064	2.75991106	0.051063202	0.000270756	5.167366982	0.001391035	0.011182395	0.000417088	0.000181821	8.05161E-05	0.109964281	2.17978E-06	7.17203E-05	0.000728737	0.001846579	0
2025 Jun	0.000296692	0.000954431	0.140609115	1.07257E-05	1.410175443	2.553998709	0.046480641	0.000248795	4.819833279	0.001336062	0.010854799	0.000377249	0.000186448	7.55638E-05	0.101984054	2.14514E-06	6.87004E-05	0.000697099	0.001865505	0
2025 Jul	0.000264844	0.000900634	0.131248653	1.05588E-05	1.321091413	2.331156731	0.041300017	0.000226788	4.456874847	0.001275847	0.01051314	0.000333107	0.00018845	7.01555E-05	0.093353875	2.11176E-06	6.54647E-05	0.000654074	0.001871539	0
2025 Aug	0.000269939	0.000930845	0.134761676	1.09186E-05	1.35875988	2.389189482	0.041948427	0.000236067	4.589725494	0.001312593	0.010842795	0.00033828	0.000191488	7.20168E-05	0.095754869	2.18373E-06	6.74696E-05	0.000662411	0.001919138	0
2025 Sep	0.000266585	0.000932443	0.133774474	1.09235E-05	1.355968118	2.376956463	0.041196167	0.000244595	4.590205193	0.001307775	0.010855606	0.000330609	0.000187419	7.15137E-05	0.09536618	2.1847E-06	6.7887E-05	0.000650301	0.001902545	0
2025 Oct	0.000258309	0.000924576	0.130754352	1.07684E-05	1.33233285	2.329191446	0.039500345	0.000255242	4.529283047	0.001281442	0.010762995	0.000314746	0.00017879	6.94956E-05	0.093504116	2.15369E-06	6.79018E-05	0.000625384	0.001850463	0
2025 Nov	0.000255149	0.000922295	0.129640087	1.07155E-05	1.323942184	2.31184721	0.038838506	0.000259934	4.508822918	0.001271877	0.010736028	0.000308497	0.000175399	6.87319E-05	0.092830852	2.14311E-06	6.79803E-05	0.000615708	0.001830816	0
2025 Dec	0.000255212	0.000922674	0.129680067	1.07195E-05	1.324400187	2.312602043	0.038845018	0.00026013	4.510517597	0.001272292	0.010740425	0.000308532	0.000175421	6.87502E-05	0.092861548	2.1439E-06	6.80123E-05	0.000615824	0.001831315	0
2026 Jan	0.000255268	0.000922783	0.129697755	1.07199E-05	1.324565291	2.31300807	0.03885391	0.000260175	4.511192799	0.001272407	0.010741216	0.000308557	0.000175418	6.87544E-05	0.092877194	2.14398E-06	6.80194E-05	0.000615902	0.001831319	0
2026 Feb	0.000255351	0.000922886	0.129721299	1.07201E-05	1.324762464	2.313531876	0.038868241	0.000260185	4.511958599	0.001272548	0.010741769	0.000308618	0.000175427	6.87612E-05	0.092897147	2.14403E-06	6.80238E-05	0.000616037	0.001831346	0
2026 Mar	0.000255546	0.000923485	0.129810378	1.07266E-05	1.325648665	2.315177441	0.038898908	0.000260344	4.515027523	0.001273372	0.010748385	0.000308832	0.000175535	6.88053E-05	0.09296263	2.14531E-06	6.80662E-05	0.000616473	0.001832438	0
2026 Apr	0.000256263	0.000926017	0.130169049	1.07557E-05	1.329298019	2.321606636	0.039008651	0.000261051	4.527486324	0.001276863	0.010777649	0.000309686	0.000176013	6.89936E-05	0.093220465	2.15114E-06	6.82518E-05	0.000618184	0.001837406	0
2026 May	0.000260921	0.000937956	0.132095784	1.08742E-05	1.347827077	2.358181715	0.03976731	0.000263728	4.592180729	0.001293665	0.010903026	0.000316068	0.000178248	7.00467E-05	0.094662532	2.17484E-06	6.90555E-05	0.000628226	0.001858173	0
2026 Jun	0.000264497	0.000894971	0.130287319	1.04105E-05	1.312296033	2.324932337	0.04118162	0.000230418	4.439233303	0.001262793	0.010423082	0.000331614	0.000184495	6.95363E-05	0.093053535	2.0821E-06	6.5282E-05	0.000649191	0.0018389	0
2026 Jul	0.00026312	0.000907487	0.131564587	1.06849E-05	1.326397061	2.330503941	0.040886395	0.000231069	4.47053051	0.001283736	0.010643028	0.000328702	0.000190262	7.008E-05	0.093363635	2.13699E-06	6.63144E-05	0.000654886	0.00189475	0
2026 Aug	0.000263155	0.000926739	0.133110985	1.09141E-05	1.343662977	2.349277735	0.040680531	0.000237199	4.537401199	0.001301339	0.010830997	0.000327316	0.00018954	7.07925E-05	0.094205372	2.18282E-06	6.73544E-05	0.000648737	0.001911805	0
2026 Sep	0.000263618	0.000936498	0.133766681	1.10162E-05	1.354398966	2.36406827	0.040604614	0.000244757	4.580179214	0.001310344	0.010941484	0.000325727	0.000188781	7.11235E-05	0.094852835	2.20324E-06	6.82595E-05	0.000647541	0.001919036	0
2026 Oct	0.000254593	0.000924096	0.13023074	1.08091E-05	1.325231552	2.30748558	0.038822867	0.000253566	4.499732018	0.001278655	0.010794116	0.000309305	0.000179598	6.8872E-05	0.092633814	2.16181E-06	6.79079E-05	0.00062082	0.001859244	0
2026 Nov	0.000255206	0.000926717	0.130565047	1.08385E-05	1.328766823	2.313527822	0.038908288	0.000254524	4.512099743	0.001281997	0.010824676	0.000309942	0.000179975	6.90414E-05	0.092877403	2.1677E-06	6.81114E-05	0.00062222	0.001863835	0
2026 Dec	0.000255272	0.000927054	0.130604163	1.08422E-05	1.32919693	2.314249277	0.038916524	0.000254674	4.513647556	0.001282395	0.010828603	0.000309997	0.000180008	6.90603E-05	0.092906624	2.16843E-06	6.81389E-05	0.000622361	0.00186435	0
2027 Jan	0.000255311	0.000927134	0.130616933	1.08425E-05	1.329317212	2.314537048	0.038922712	0.000254707	4.514132023	0.001282481	0.010829217	0.000310017	0.000180008	6.90637E-05	0.09291774	2.1685E-06	6.81441E-05	0.000622417	0.001864367	0
2027 Feb	0.000255365	0.000927202	0.130632401	1.08427E-05	1.329447031	2.314881563	0.03893213	0.000254713	4.51463604	0.001282574	0.010829582	0.000310056	0.000180014	6.90681E-05	0.092930876	2.16854E-06	6.8147E-05	0.000622506	0.001864385	0
2027 Mar	0.000255538	0.000927759	0.130714044	1.08488E-05	1.330263019	2.316367149	0.038959086	0.00025486	4.517441273	0.001283343	0.010835851	0.000310252	0.000180118	6.91093E-05	0.092990123	2.16977E-06	6.81868E-05	0.000622903	0.00186544	0
2027 Apr	0.000256681	0.000931868	0.131294847	1.08967E-05	1.336165071	2.326681376	0.039133694	0.000255985	4.537504196	0.001289027	0.010883712	0.000311631	0.000180913	6.94152E-05	0.093403973	2.17934E-06	6.84882E-05	0.000625675	0.001873665	0
2027 May	0.000261589	0.000946463	0.133512065	1.10539E-05	1.358004808	2.367491722	0.039913885	0.000259571	4.612765789	0.001309421	0.011045164	0.00031807	0.000183709	7.06091E-05	0.0950251	2.21079E-06	6.95118E-05	0.000636812	0.001901007	0
2027 Jun	0.000227141	0.000856878	0.121099517	1.05385E-05	1.234859705	2.094400406	0.034743577	0.000221157	4.110518932	0.001218869	0.010353992	0.000274325	0.000188047	6.39464E-05	0.084302485	2.1077E-06	6.39097E-05	0.000599561	0.001886571	0
2027 Jul	0.000219964	0.000855684	0.12049935	1.07694E-05	1.230900526	2.055855036	0.033582777	0.000215388	4.061933041	0.001228443	0.010494067	0.000263839	0.00019599	6.34876E-05	0.082895666	2.15388E-06	6.41903E-05	0.000601585	0.001951739	0
2027 Aug	0.000225606	0.000885951	0.124081768	1.11484E-05	1.272046804	2.118988752	0.034334954	0.000226361	4.203583717	0.001268344	0.01084194	0.000269127	0.000199912	6.55436E-05	0.085534066	2.22969E-06	6.64079E-05	0.000613048	0.002006654	0
2027 Sep	0.000220473	0.000884408	0.122102134	1.10729E-05	1.262431145	2.095854759	0.033199426	0.000238857	4.191221714	0.001253888	0.010791489	0.000257769	0.000191778	6.45446E-05	0.084738217	2.21458E-06	6.66824E-05	0.000591636	0.00196348	0
2027 Oct	0.000216155	0.000881701	0.120397329	1.09643E-05	1.249736428	2.073033094	0.032235056	0.000247954	4.166492939	0.001237463	0.010740376	0.000248574	0.000185119	6.33412E-05	0.083840922	2.19286E-06	6.68637E-05	0.000575315	0.001923386	0
2027 Nov	0.000215736	0.000884037	0.120353587	1.0973E-05	1.25064075	2.074054003	0.032085396	0.000251288	4.174285412	0.001237312	0.010763897	0.000246942	0.000183956	6.3235E-05	0.083889186	2.1946E-06	6.71458E-05	0.000572885	0.001919194	0
2027 Dec	0.000215765	0.000884378	0.120380238	1.09761E-05	1.250991821	2.074610233	0.03208496	0.000251531	4.175718784	0.001237602	0.010767778	0.000246912	0.000183936	6.32444E-05	0.08391206	2.19522E-06	6.71774E-05	0.000572891	0.001919428	0
2028 Jan	0.000215823	0.000884461	0.120395333	1.0976E-05	1.251123905	2.074997902	0.032094385	0.000251571	4.176315784	0.001237671	0.010768098	0.000246936	0.000183921	6.32465E-05	0.083926745	2.19519E-06	6.7182E-05	0.000572955	0.001919314	0
2028 Feb	0.000215934	0.000884631	0.120430045	1.09768E-05	1.251427054	2.075740814	0.032113437	0.000251597	4.17746067	0.001237905	0.010769315	0.000247024	0.000183941	6.32582E-05	0.083955303	2.19536E-06	6.71908E-05	0.000573147	0.001919442	0
2028 Mar	0.000216022	0.000884835	0.12046399	1.09786E-05	1.251748919	2.076404095	0.032127783	0.000251642	4.178606033	0.001238187	0.01077133	0.000247103	0.000183975	6.32725E-05	0.08398132	2.19573E-06	6.7204E-05	0.000573324	0.001919753	0
2028 Apr	0.000216613	0.00088717	0.120785281	1.10072E-05	1.255069971	2.081985474	0.032216422	0.000252299	4.189732552	0.001241452	0.010799489	0.000247767	0.000184456	6.34392E-05	0.084206618	2.20144E-06	6.738E-05	0.000574861	0.001924745	0
2028 May	0.000219097	0.000897292	0.122165643	1.11326E-05	1.269402146	2.10580492	0.03258644	0.000255172	4.237598896	0.001255617	0.010922556	0.000250608	0.000186559	6.41637E-05	0.08516971	2.22651E-06	6.81481E-05	0.000581437	0.001946665	0
2028 Jun	0.000193414	0.000824267	0.112556197	1.06792E-05	1.170988679	1.894108534	0.028837623	0.00022141	3.836879015	0.00118246	0.010333968	0.000219601	0.000190326	5.90228E-05	0.076808952	2.13584E-06	6.33703E-05	0.000554959	0.00193093	0
2028 Jul	0.000187974	0.000820123	0.111902587	1.08169E-05	1.164565921	1.860775471	0.02801037	0.00021455	3.78677392	0.001186662	0.01040098	0.000212442	0.00019651	5.85836E-05	0.075557344	2.16337E-06	6.32736E-05	0.000556974	0.001977076	0
2028 Aug	0.000197193	0.000863853	0.117587388	1.13876E-05	1.225536704	1.956325293	0.029336287	0.000227367	3.988265991	0.001248089	0.010941125	0.00022227	0.000205499	6.16312E-05	0.079474427	2.27752E-06	6.65979E-05	0.000582215	0.002074791	0
2028 Sep	0.000196931	0.000873831	0.11786209	1.1446E-05	1.233183026	1.968109965	0.029045854	0.000238524	4.029349804	0.001251883	0.01103858	0.000218613	0.000202196	6.16107E-05	0.079984814	2.28921E-06	6.76292E-05	0.000576239	0.002065964	0
2028 Oct	0.000187403	0.00086106	0.113316126	1.10668E-05	1.196081281	1.910080194	0.026949538	0.000257341	3.952246666	0.00120371	0.010805395	0.000199085	0.000184308	5.85818E-05	0.077657484	2.21336E-06	6.73822E-05	0.000535259	0.001947519	0
2028 Nov	0.000187059	0.000864428	0.113301985	1.10757E-05	1.197669029	1.912810445	0.026784122	0.00026196	3.964755297	0.001203578	0.010836019	0.000197218	0.00018261	5.84661E-05	0.077773601	2.21515E-06	6.77658E-05	0.000532079	0.00194084	0
2028 Dec	0.000187114	0.000864774	0.11333885	1.10795E-05	1.198091149	1.913488269	0.026789824	0.000262132	3.966287613	0.001203971	0.010840141	0.000197248	0.000182638	5.84832E-05	0.07780125	2.21591E-06	6.77952E-05	0.000532194	0.001941352	0
2029 Jan	0.000187159	0.000864836	0.113350578	1.10794E-05	1.198192477	1.913787723	0.026797293	0.00026216	3.966743231	0.001204024	0.010840354	0.000197271	0.000182627	5.84852E-05	0.077812582	2.21588E-06	6.77984E-05	0.000532245	0.001941266	0
2029 Feb	0.000187228	0.000864906	0.113368548	1.10793E-05	1.19833684	1.914203405	0.026809305	0.000262162	3.967321396	0.001204118	0.010840568	0.000197322	0.000182631	5.84901E-05	0.077828303	2.21586E-06	6.78005E-05	0.00053235	0.001941239	0
2029 Mar	0.000187299	0.000865101	0.113399014	1.10813E-05	1.198633909	1.914778948	0.026820742	0.000262211	3.968360424	0.001204389	0.01084266	0.000197386	0.000182666	5.85033E-05	0.077851057	2.21626E-06	6.78141E-05	0.000532505	0.001941579	0
2029 Apr	0.000187522	0.000866056	0.113526866	1.10932E-05	1.199971318	1.916972637	0.026853394	0.000262494	3.972818613	0.001205716	0.010854417	0.000197615	0.000182864	5.85679E-05	0.077939883	2.21865E-06	6.78879E-05	0.000533112	0.001943664	0
2029 May	0.000189337	0.000872789	0.114472985	1.11738E-05	1.209651709	1.933622479	0.027129183	0.000264365	4.005393505	0.001215145	0.010934877	0.000199776	0.000184253	5.90653E-05	0.078609034	2.23476E-06	6.8394E-05	0.000537754	0.001957849	0
2029 Jun	0.000183078	0.000845094	0.111834772	1.10207E-05	1.178659201	1.869800925	0.026454028	0.00024578	3.866304636	0.001194721	0.010714192	0.000195085	0.000189225	5.78059E-05	0.076049574	2.20414E-06	6.63629E-05	0.000538846	0.001968908	0
2029 Jul	0.000160052	0.000776941	0.10282059	1.04868E-05	1.080925584	1.671862125	0.023111565	0.000210807	3.491774559	0.001116549	0.010040554	0.000169894	0.000186977	5.29816E-05	0.068180948	2.09735E-06	6.09604E-05	0.000501694	0.001910197	0
2029 Aug	0.000162989	0.000802803	0.105464265	1.07946E-05	1.110759258	1.714142203	0.023386186	0.000219686	3.600219488	0.001145549	0.010310899	0.000172001	0.000188089	5.43999E-05	0.069975048	2.15893E-06	6.25998E-05	0.000503199	0.001943787	0
2029 Sep	0.000163685	0.000814541	0.106137104	1.08922E-05	1.123127818	1.733067513	0.023289884	0.000230329	3.65439868	0.00115435	0.010429332	0.000169954	0.000185867	5.4741E-05	0.070796914	2.17845E-06	6.36983E-05	0.000499865	0.001943669	0
2029 Oct	0.000161827	0.00081627	0.105242386	1.08117E-05	1.117989659	1.727581739	0.022737496	0.0002405	3.657944679	0.001143904	0.01041384	0.000164313	0.000179672	5.40081E-05	0.070574477	2.16235E-06	6.41401E-05	0.000487789	0.001907559	0
2029 Nov	0.000161622	0.000818474	0.105200678	1.08108E-05	1.118820071	1.729580283	0.022623768	0.000243967	3.666597843	0.00114324	0.010431014	0.00016301	0.00017824	5.39069E-05	0.070656605	2.16215E-06	6.44025E-05	0.000485283	0.001901002	0
2029 Dec	0.000161657	0.000818738	0.105226211	1.08135E-05	1.119124293	1.730069041	0.022626573	0.000244118	3.667747021	0.001143512	0.010434092	0.000163018	0.000178249	5.39179E-05	0.070676588	2.1627E-06	6.44255E-05	0.000485341	0.001901314	0
2030 Jan	0.00016171	0.000818815	0.10524042	1.08134E-05	1.119249582	1.730422378	0.022635199	0.000244151	3.668293953	0.001143584	0.010434441	0.000163048	0.000178239	5.39211E-05	0.070690021	2.16269E-06	6.44298E-05	0.000485405	0.001901241	0
2030 Feb	0.000161805	0.000818999	0.105273798	1.08148E-05	1.119554639	1.731102109	0.022651181	0.000244187	3.669408083	0.001143838	0.010436062	0.000163126	0.000178266	5.39336E-05	0.070716426	2.16296E-06	6.44407E-05	0.000485584	0.001901464	0
2030 Mar	0.000161912	0.000819376	0.105327517	1.08192E-05	1.120098472	1.732056618	0.022667531	0.000244288	3.671253443	0.001144362	0.010440465	0.000163224	0.000178341	5.39586E-05	0.070754677	2.16384E-06	6.44685E-05	0.000485845	0.001902228	0
2030 Apr	0.000162207	0.000820775	0.105510361	1.08373E-05	1.122027397	1.735103965	0.022709616	0.000244699	3.677611113	0.001146315	0.010458064	0.000163515	0.000178641	5.40508E-05	0.070878744	2.16746E-06	6.45774E-05	0.000486696	0.001905412	0
2030 May	0.000164284	0.000831095	0.106843516	1.0973E-05	1.136171579	1.757104993	0.023002176	0.00024776	3.724031448	0.001160731	0.010589136	0.000165631	0.000180883	5.47342E-05	0.071776614	2.19459E-06	6.53872E-05	0.000492866	0.001929264	0
2030 Jun	0.000155663	0.000784243	0.102429613	1.06354E-05	1.08440578	1.660054803	0.022157842	0.000219268	3.502502918	0.001122341	0.010173732	0.000160131	0.00018659	5.26562E-05	0.067843877	2.12707E-06	6.19453E-05	0.00049382	0.001926521	0
2030 Jul	0.000147669	0.000760768	0.099431939	1.04636E-05	1.050482273	1.590489626	0.021022698	0.000205265	3.370273352	0.00109622	0.009942551	0.000151982	0.000186476	5.10363E-05	0.06507244	2.09272E-06	5.99704E-05	0.000481502	0.001910103	0
2030 Aug	0.000150811	0.000785863	0.102146044	1.07658E-05	1.079478145	1.632386327	0.02135477	0.000212771	3.473695278	0.001125062	0.010213177	0.000154733	0.000188408	5.24146E-05	0.066822693	2.15316E-06	6.15687E-05	0.000485182	0.001947004	0
2030 Sep	0.000154158	0.000805919	0.104456224	1.10214E-05	1.10614717	1.672549844	0.021766467	0.000220842	3.564424515	0.001151349	0.010460471	0.000157227	0.000191439	5.36426E-05	0.068492584	2.20427E-06	6.31905E-05	0.000493748	0.001986677	0
2030 Oct	0.000152332	0.000806002	0.103402272	1.09127E-05	1.099161863	1.665443659	0.021233859	0.000230521	3.562663555	0.001138612	0.010419668	0.00015184	0.000184782	5.28447E-05	0.068197519	2.18254E-06	6.34879E-05	0.000481093	0.001945446	0
2030 Nov	0.000151616	0.000806625	0.103000574	1.08715E-05	1.096800089	1.663438439	0.021008337	0.000235067	3.56445384	0.001133677	0.010408776	0.000149513	0.000181905	5.25221E-05	0.068113565	2.17429E-06	6.36685E-05	0.000475717	0.001928207	0
2030 Dec	0.000151643	0.000806839	0.103019789	1.08735E-05	1.097037315	1.663825274	0.021009803	0.000235204	3.565386772	0.001133879	0.010411225	0.000149512	0.000181902	5.25299E-05	0.068129376	2.1747E-06	6.36877E-05	0.000475746	0.0019284	0
2031 Jan	0.000151698	0.000806923	0.103034921	1.08735E-05	1.097172022	1.664198995	0.021018837	0.00023524	3.565969706	0.001133959	0.010411628	0.000149545	0.000181893	5.25335E-05	0.068143614	2.1747E-06	6.36924E-05	0.000475813	0.001928331	0
2031 Feb	0.000151774	0.000807004	0.103055231	1.08735E-05	1.097337365	1.66466713	0.021032181	0.000235245	3.566628933	0.001134068	0.010411919	0.000149604	0.000181897	5.25393E-05	0.068161346	2.1747E-06	6.36952E-05	0.000475932	0.00192831	0
2031 Mar	0.000151848	0.000807221	0.103088401	1.08758E-05	1.097662687	1.665279508	0.021043969	0.000235298	3.567753553	0.001134371	0.010414311	0.000149668	0.000181938	5.25537E-05	0.068185642	2.17516E-06	6.37104E-05	0.000476099	0.001928712	0
2031 Apr	0.000152434	0.000810236	0.10347642	1.09161E-05	1.101778388	1.671591163	0.021126043	0.000236171	3.58116889	0.001138605	0.010452961	0.00015024	0.000182613	5.27501E-05	0.068443634	2.18321E-06	6.39472E-05	0.000477899	0.001935846	0
2031 May	0.000163778	0.000829194	0.107244737	1.10432E-05	1.135182619	1.749063611	0.023072952	0.000238569	3.702553151	0.001166059	0.010610799	0.000167326	0.000185915	5.48951E-05	0.07143537	2.20864E-06	6.49999E-05	0.000499629	0.001959361	0
2031 Jun	0.000218304	0.000861637	0.120158136	1.07574E-05	1.229870081	2.054646015	0.03304809	0.000224995	4.076465607	0.001223737	0.010538838	0.000258533	0.000191324	6.29244E-05	0.082837507	2.15148E-06	6.48841E-05	0.00059171	0.001929269	0
2031 Jul	0.00022661	0.000900759	0.125449836	1.12856E-05	1.284180045	2.139154911	0.034276176	0.000234072	4.251387596	0.001280187	0.011037613	0.000268021	0.000200942	6.56509E-05	0.086273737	2.25712E-06	6.78281E-05	0.000617183	0.00202572	0
2031 Aug	0.000228984	0.000922385	0.127600655	1.15476E-05	1.309814572	2.174876451	0.03448661	0.000242364	4.344323158	0.001304876	0.011265634	0.000269366	0.000201757	6.68696E-05	0.087808087	2.30952E-06	6.92508E-05	0.000618179	0.002054085	0
2031 Sep	0.000220159	0.000910636	0.12374527	1.13283E-05	1.284029722	2.123246431	0.032700349	0.000255848	4.283684731	0.001272841	0.011082189	0.000252212	0.000189296	6.49122E-05	0.08589974	2.26565E-06	6.888E-05	0.000584723	0.001977494	0
2031 Oct	0.000208147	0.000894465	0.118544474	1.09555E-05	1.241521716	2.049358606	0.030189291	0.000273858	4.181900501	0.0012218	0.010844782	0.000228823	0.000172167	6.14942E-05	0.08296743	2.1911E-06	6.85547E-05	0.000541832	0.001864953	0
2031 Nov	0.000207629	0.000895644	0.118407138	1.09532E-05	1.24123168	2.048522711	0.030040385	0.000276424	4.184898853	0.00122063	0.010855107	0.000227276	0.000171048	6.13538E-05	0.082939267	2.19063E-06	6.87329E-05	0.000539369	0.001859843	0
2031 Dec	0.000207652	0.000895859	0.118425719	1.09552E-05	1.241465569	2.048896313	0.030041225	0.000276565	4.185822487	0.00122083	0.010857588	0.000227268	0.000171044	6.13611E-05	0.082954586	2.19105E-06	6.87524E-05	0.000539391	0.001860034	0
2032 Jan	0.000207706	0.000895944	0.118440859	1.09553E-05	1.24160111	2.049261808	0.030049903	0.0002766	4.186398506	0.001220914	0.01085806	0.000227295	0.000171037	6.13644E-05	0.082968526	2.19107E-06	6.87573E-05	0.00053946	0.001859988	0
2032 Feb	0.000207784	0.000896026	0.118461646	1.09553E-05	1.241768956	2.049738407	0.030063618	0.000276603	4.187064171	0.001221026	0.010858347	0.000227353	0.000171042	6.13699E-05	0.082986571	2.19106E-06	6.876E-05	0.000539583	0.001859971	0
2032 Mar	0.00020788	0.000896305	0.118503928	1.09582E-05	1.242185116	2.050533295	0.030078918	0.000276676	4.188521862	0.001221407	0.010861345	0.000227443	0.00017109	6.1389E-05	0.083018072	2.19163E-06	6.87795E-05	0.000539791	0.001860449	0

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.000208355	0.000898272	0.11876712	1.09819E-05	1.244928956	2.055122852	0.030148268	0.000277277	4.197803974	0.001224089	0.010884979	0.000227954	0.000171463	6.15238E-05	0.083203502	2.19638E-06	6.89294E-05	0.000540999	0.001864477	0
2032 May	0.00021102	0.000908341	0.120158941	1.11001E-05	1.259224892	2.07977581	0.030548621	0.000280213	4.246403217	0.001237896	0.011003627	0.000231088	0.000173376	6.22533E-05	0.084194727	2.22003E-06	6.96828E-05	0.000547562	0.001884663	0
2032 Jun	0.000192057	0.000832553	0.111992061	1.0599E-05	1.168676972	1.897529364	0.028212998	0.000237053	3.86437583	0.001171638	0.010357606	0.000213421	0.000181145	5.81975E-05	0.076906353	2.11981E-06	6.42738E-05	0.000538231	0.001879757	0
2032 Jul	0.000165775	0.00075724	0.101382375	9.93146E-06	1.056565166	1.675698519	0.0242473	0.000204186	3.452220678	0.001076859	0.009570325	0.000182883	0.000173827	5.24516E-05	0.068090118	1.98629E-06	5.83665E-05	0.000487933	0.0017843	0
2032 Aug	0.000166186	0.000774352	0.102540776	1.01266E-05	1.074985981	1.697487354	0.024106501	0.000213536	3.526223898	0.001092953	0.009720688	0.00018116	0.000171498	5.32996E-05	0.069118135	2.02533E-06	5.93901E-05	0.000480008	0.001791331	0
2032 Sep	0.000167385	0.000786963	0.103507355	1.02728E-05	1.091508508	1.720345378	0.024149582	0.00022274	3.588882685	0.001107021	0.009855325	0.00018027	0.000170758	5.40142E-05	0.070143968	2.05456E-06	6.04648E-05	0.000478985	0.001802892	0
2032 Oct	0.000167824	0.000793062	0.103923947	1.03213E-05	1.097379088	1.730013132	0.024114393	0.000227685	3.614516497	0.001111419	0.009922144	0.000179455	0.000170007	5.41352E-05	0.070540212	2.06426E-06	6.10499E-05	0.000478379	0.00180448	0
2032 Nov	0.000167571	0.000794456	0.103860296	1.03195E-05	1.097653985	1.730712414	0.024014767	0.000230141	3.619474888	0.001110702	0.009933472	0.000178357	0.000168981	5.40403E-05	0.070570037	2.06391E-06	6.12315E-05	0.000476461	0.001799741	0
2032 Dec	0.00016675	0.000793406	0.10345342	1.02841E-05	1.094393611	1.725863099	0.023827543	0.000232088	3.613169193	0.001106311	0.009913665	0.000176574	0.000167307	5.37607E-05	0.070373744	2.05683E-06	6.12321E-05	0.000472811	0.001788703	0
2033 Jan	0.00016685	0.000793566	0.10348165	1.02843E-05	1.094646811	1.726545334	0.023843687	0.000232156	3.614246845	0.001106468	0.009914557	0.00017663	0.000167294	5.37673E-05	0.070399776	2.05686E-06	6.12415E-05	0.000472939	0.001788614	0
2033 Feb	0.000167012	0.000793829	0.103533626	1.02858E-05	1.095105886	1.727644682	0.023871336	0.000232198	3.615965605	0.001106828	0.009916547	0.00017676	0.000167326	5.37853E-05	0.07044214	2.05716E-06	6.12556E-05	0.000473225	0.001788842	0
2033 Mar	0.000167243	0.000794652	0.103650555	1.02954E-05	1.096293211	1.729722619	0.023906849	0.00023242	3.619997025	0.001107972	0.009926115	0.000176982	0.000167487	5.38412E-05	0.07052552	2.05908E-06	6.13156E-05	0.000473786	0.001790497	0
2033 Apr	0.000168076	0.000798451	0.104151592	1.0344E-05	1.101564288	1.738156199	0.024027297	0.00023352	3.637465715	0.001113267	0.009973165	0.00017785	0.000168281	5.40986E-05	0.070868611	2.0688E-06	6.16068E-05	0.000476091	0.001798944	0
2033 May	0.000211432	0.000843619	0.11603184	1.03872E-05	1.197297692	2.003053427	0.031725984	0.000232026	4.003822327	0.001181242	0.010177465	0.000247181	0.000174873	6.11218E-05	0.080897257	2.07745E-06	6.32155E-05	0.000551549	0.001813973	0
2033 Jun	0.000261702	0.000849573	0.126045078	9.78813E-06	1.258185863	2.256831884	0.041207314	0.000207247	4.257568359	0.00120684	0.009804353	0.000335316	0.000177977	6.75921E-05	0.090138458	1.95763E-06	6.10925E-05	0.000636192	0.001742707	0
2033 Jul	0.000263303	0.000867544	0.12817274	1.00684E-05	1.280211091	2.283420086	0.041378539	0.000210432	4.324295044	0.001232363	0.010049275	0.0003365	0.000182754	6.861E-05	0.091259278	2.01368E-06	6.24046E-05	0.00064427	0.001792836	0
2033 Aug	0.000273094	0.000905928	0.133416593	1.05172E-05	1.333553791	2.374506235	0.042848475	0.000220483	4.507102966	0.001283965	0.010483933	0.000348457	0.000189318	7.13984E-05	0.094934054	2.10344E-06	6.50769E-05	0.000666303	0.001865205	0
2033 Sep	0.000260164	0.000895305	0.128833771	1.03414E-05	1.302393317	2.303493738	0.040229037	0.000237718	4.427370548	0.001249032	0.01035676	0.000323515	0.00017639	6.87154E-05	0.092277907	2.06829E-06	6.51393E-05	0.000626592	0.001793241	0
2033 Oct	0.000232638	0.000866231	0.118786901	9.83196E-06	1.222575545	2.140715837	0.034689996	0.000268671	4.212739944	0.001162357	0.010026219	0.000272026	0.000149484	6.21304E-05	0.085937403	1.96639E-06	6.48353E-05	0.00054625	0.001628791	0
2033 Nov	0.000230145	0.00086806	0.118120663	9.82556E-06	1.219287753	2.131475925	0.034101229	0.000275287	4.210551739	0.001157599	0.010048292	0.000266191	0.000146487	6.15806E-05	0.085595839	1.96511E-06	6.52555E-05	0.00053802	0.001615617	0
2033 Dec	0.000230194	0.000868366	0.118152395	9.82873E-06	1.219654202	2.132078648	0.034106079	0.000275449	4.211916924	0.001157929	0.010051847	0.000266215	0.000146502	6.1595E-05	0.085620366	1.96575E-06	6.52816E-05	0.000538108	0.001616007	0
2034 Jan	0.000230241	0.000868451	0.11816676	9.829E-06	1.219786048	2.132410765	0.034113646	0.000275483	4.212457657	0.001158019	0.010052422	0.000266237	0.0001465	6.15982E-05	0.085633121	1.9658E-06	6.52868E-05	0.000538173	0.001616002	0
2034 Feb	0.000230315	0.000868549	0.118188575	9.82931E-06	1.219970703	2.132889032	0.03412655	0.000275493	4.21316576	0.001158155	0.010053007	0.000266293	0.00014651	6.16049E-05	0.085651405	1.96586E-06	6.52912E-05	0.000538298	0.001616047	0
2034 Mar	0.000230419	0.000868841	0.118232921	9.83218E-06	1.220406532	2.133735895	0.03414296	0.000275574	4.214709759	0.001158547	0.010056087	0.000266396	0.000146556	6.16254E-05	0.085684888	1.96644E-06	6.53116E-05	0.000538514	0.001616516	0
2034 Apr	0.000231346	0.000872279	0.118703373	9.87084E-06	1.225249887	2.142252445	0.034280874	0.000276657	4.231458187	0.001163132	0.010095703	0.000267458	0.000147134	6.18692E-05	0.086026601	1.97417E-06	6.55691E-05	0.000540665	0.001622869	0
2034 May	0.00024622	0.000894953	0.123496912	1.00121E-05	1.266854525	2.241201878	0.036867611	0.000278315	4.38224268	0.001197071	0.010275564	0.000290338	0.000151491	6.46268E-05	0.089833856	2.00242E-06	6.67459E-05	0.000569329	0.00165112	0
2034 Jun	0.000295756	0.000915854	0.135477945	9.80157E-06	1.349559307	2.50658536	0.046256851	0.000250914	4.679564476	0.0012549	0.010184976	0.000377193	0.000164471	7.22376E-05	0.09968622	1.96031E-06	6.57685E-05	0.000666443	0.001666681	0
2034 Jul	0.000287397	0.000914098	0.134137109	9.91843E-06	1.337152719	2.459194899	0.04478411	0.000247417	4.623842239	0.001251456	0.010224449	0.000365116	0.000165503	7.12902E-05	0.097910464	1.98369E-06	6.55452E-05	0.00065271	0.001684966	0
2034 Aug	0.00030086	0.000962579	0.140829623	1.04576E-05	1.405965805	2.580867052	0.046817362	0.00026178	4.863307476	0.001316104	0.010762535	0.000381452	0.000173058	7.4899E-05	0.102805838	2.09152E-06	6.89912E-05	0.000681608	0.001770175	0
2034 Sep	0.000287163	0.000951425	0.136296526	1.03036E-05	1.372707367	2.503957987	0.044087093	0.000276602	4.770190239	0.001281755	0.010660308	0.0003558	0.000162087	7.20291E-05	0.099877194	2.06071E-06	6.90771E-05	0.000644659	0.001710081	0
2034 Oct	0.000261783	0.000921271	0.127365053	9.90745E-06	1.300429106	2.348851442	0.039182033	0.000296254	4.555977821	0.001208949	0.010361744	0.000310653	0.000142614	6.63759E-05	0.093864352	1.98149E-06	6.83462E-05	0.000578537	0.001590846	0
2034 Nov	0.00026074	0.000922536	0.127142593	9.91506E-06	1.299735546	2.34555006	0.038933624	0.000299108	4.556802273	0.001207836	0.010379353	0.000308162	0.000141575	6.61766E-05	0.093747899	1.98301E-06	6.85656E-05	0.000575395	0.001587427	0
2034 Dec	0.000260804	0.000922886	0.127181023	9.91868E-06	1.300167561	2.346279144	0.038940921	0.000299283	4.558397293	0.001208226	0.010383376	0.000308207	0.000141598	6.61946E-05	0.093777411	1.98374E-06	6.85947E-05	0.000575516	0.001587891	0
2035 Jan	0.000260845	0.000922957	0.127193168	9.91888E-06	1.300278544	2.34656167	0.038947426	0.00029931	4.55885458	0.001208301	0.010383843	0.000308221	0.000141596	6.61969E-05	0.093788266	1.98378E-06	6.85991E-05	0.000575572	0.001587882	0
2035 Feb	0.000260921	0.000923072	0.127216771	9.91943E-06	1.300483942	2.347067595	0.03896049	0.000299327	4.559629917	0.001208459	0.01038465	0.000308281	0.000141609	6.62047E-05	0.09380769	1.98389E-06	6.86049E-05	0.000575703	0.001587966	0
2035 Mar	0.000261008	0.000923297	0.127252102	9.92148E-06	1.300825715	2.347758055	0.038974497	0.000299388	4.56085825	0.001208758	0.010386923	0.000308368	0.000141642	6.62207E-05	0.093834862	1.9843E-06	6.86202E-05	0.000575877	0.001588293	0
2035 Apr	0.000261926	0.000926494	0.127695054	9.95561E-06	1.305342436	2.355952024	0.039111972	0.000300418	4.576712132	0.001212945	0.010422729	0.000309442	0.000142131	6.64498E-05	0.094162114	1.99112E-06	6.88569E-05	0.000577889	0.001593756	0
2035 May	0.000269041	0.000943961	0.130537152	1.01181E-05	1.332486987	2.410988569	0.040270079	0.000304557	4.672947884	0.001237012	0.010600406	0.000319224	0.00014509	6.79981E-05	0.09632434	2.02362E-06	7.00236E-05	0.000592603	0.001621408	0
2035 Jun	0.000268583	0.000879491	0.127425089	9.65038E-06	1.279384255	2.331147671	0.041494004	0.000248737	4.414369106	0.001202042	0.009980126	0.000334574	0.000160522	6.72706E-05	0.09291245	1.93008E-06	6.43491E-05	0.000622415	0.001646447	0
2035 Jul	0.000259734	0.000873106	0.125984907	9.81301E-06	1.267350078	2.278367519	0.040062815	0.000241923	4.340617657	0.0012033	0.010047675	0.000321972	0.000166598	6.6401E-05	0.090946577	1.9626E-06	6.41824E-05	0.000618643	0.001696054	0
2035 Aug	0.00026268	0.000896506	0.12824747	1.01084E-05	1.298500299	2.32176733	0.040350642	0.000253658	4.45201683	0.00123232	0.010302355	0.000323045	0.000167473	6.79152E-05	0.092851073	2.02169E-06	6.59195E-05	0.000620805	0.001729141	0
2035 Sep	0.000241379	0.000872051	0.120488629	9.79942E-06	1.243187308	2.196000576	0.036233656	0.000273638	4.294830322	0.001173833	0.01001836	0.00028449	0.000148514	6.36918E-05	0.088145941	1.95988E-06	6.51871E-05	0.000558216	0.00161875	0
2035 Oct	0.000231032	0.000867789	0.117176384	9.67993E-06	1.219204068	2.142428875	0.034042973	0.000289604	4.237830639	0.001146925	0.009977455	0.000263751	0.000138329	6.13241E-05	0.086081319	1.93599E-06	6.56958E-05	0.00052769	0.001564201	0
2035 Nov	0.000224064	0.000859645	0.114650942	9.5516E-06	1.198386788	2.099895239	0.032669324	0.000295945	4.179206371	0.001125078	0.009888035	0.000251147	0.000132079	5.96721E-05	0.084418096	1.91032E-06	6.55123E-05	0.000508185	0.001525106	0
2035 Dec	0.000224082	0.000860017	0.11467696	9.55511E-06	1.198750138	2.100432634	0.032666028	0.000296223	4.180702209	0.001125382	0.009892382	0.000251088	0.000132055	5.96801E-05	0.084440462	1.91102E-06	6.55477E-05	0.000508164	0.001525361	0
2036 Jan	0.000224141	0.00086011	0.114693828	9.55526E-06	1.19889915	2.100830078	0.03267559	0.000296257	4.181325912	0.001125478	0.009892916	0.000251112	0.00013205	5.96832E-05	0.084455624	1.91105E-06	6.5553E-05	0.000508243	0.001525327	0
2036 Feb	0.000224235	0.000860215	0.114719935	9.55538E-06	1.199112058	2.101414442	0.032692213	0.000296259	4.182153702	0.001125627	0.009893386	0.000251181	0.00013206	5.96903E-05	0.084477812	1.91108E-06	6.55568E-05	0.000508398	0.001525342	0
2036 Mar	0.000224289	0.000860282	0.11473535	9.55555E-06	1.199240685	2.101754189	0.032701582	0.000296264	4.182648659	0.00112572	0.00989375	0.000251221	0.000132067	5.96949E-05	0.084490769	1.91111E-06	6.55596E-05	0.000508488	0.001525366	0
2036 Apr	0.000225624	0.00086441	0.115332566	9.59732E-06	1.205250382	2.113106251	0.032907382	0.000297553	4.203940868	0.001131164	0.009938342	0.000252575	0.000132678	5.99807E-05	0.084942028	1.91946E-06	6.58577E-05	0.000511288	0.001532017	0
2036 May	0.000230766	0.000880802	0.117680743	9.76684E-06	1.228994608	2.157379389	0.033695459	0.000302693	4.287651062	0.001152857	0.010117856	0.000258231	0.00013518	6.11565E-05	0.086704955	1.95337E-06	6.7052E-05	0.000522283	0.00155925	0
2036 Jun	0.000217001	0.000828048	0.112841204	9.59103E-06	1.170856237	2.025000334	0.032186668	0.000261838	4.007326126	0.001121362	0.009757797	0.000247816	0.000149364	5.88873E-05	0.081443749	1.91821E-06	6.31479E-05	0.00052856	0.001614982	0
2036 Jul	0.000203925	0.000810764	0.109886542	9.6453E-06	1.139410615	1.934801459	0.030130329	0.000246746	3.865512133	0.001106421	0.009680012	0.000231671	0.000153479	5.7136E-05	0.07796941	1.92906E-06	6.17105E-05	0.000513355	0.001643125	0
2036 Aug	0.000211813	0.000848079	0.114586361	1.00908E-05	1.189215541	2.015743971	0.031229822	0.000258532	4.037257195	0.001154851	0.010110659	0.000240102	0.000159029	5.96006E-05	0.081270009	2.01816E-06	6.44205E-05	0.000530898	0.0017114	0
2036 Sep	0.000209321	0.000851377	0.113887452	1.01057E-05	1.189136386	2.009723663	0.030618809	0.000267543	4.048209667	0.001152119	0.010136297	0.000233678	0.000155033	5.92653E-05	0.081123747	2.02115E-06	6.49341E-05	0.000520075	0.00169576	0
2036 Oct	0.000201411	0.000845551	0.110912912	9.93655E-06	1.166561365	1.966441989	0.028918209	0.000281214	3.997809172	0.001124831	0.010050552	0.000217644	0.000144818	5.72081E-05	0.079430044	1.98731E-06	6.51462E-05	0.000493226	0.00163464	0
2036 Nov	0.000199638	0.000844386	0.110253468	9.89977E-06	1.161622286	1.956918001	0.028534217	0.000284405	3.987064123	0.001118802	0.010032929	0.000214012	0.000142505	5.67481E-05	0.07905785	1.97995E-06	6.5208E-05	0.00048717	0.00162096	0
2036 Dec	0.000198946	0.000843615	0.109979823	9.88285E-06	1.159423947	1.952804565	0.028390668	0.000285367	3.981635332	0.001116252	0.010022478	0.000212679	0.000141654	5.65661E-05	0.078895949	1.97657E-06	6.52002E-05	0.00048489	0.001615578	0
2037 Jan	0.000199031	0.000843765	0.110005841	9.88334E-06	1.159660578	1.953401089	0.028404484	0.000285422	3.982599258	0.001116415	0.010023491	0.000212726	0.000141651	5.65728E-05	0.078918859	1.97667E-06	6.52092E-05	0.000485011	0.001615578	0
2037 Feb	0.000199166	0.000843969	0.110047646	9.88431E-06	1.160024285	1.954297304	0.028427621	0.000285451	3.983973026	0.001116694	0.010024918	0.000212832	0.000141675	5.65867E-05	0.078953281	1.97686E-06	6.52195E-05	0.000485245	0.001615726	0
2037 Mar	0.00019941	0.000844803	0.110164776	9.89331E-06	1.161217093	1.956461668	0.028464628	0.000285711	3.988137484	0.001117803	0.010034286	0.000213073	0.000141809	5.66428E-05	0.079039738	1.97866E-06	6.52811E-05	0.000485788	0.001617191	0
2037 Apr	0.000199949	0.000846971	0.110452242	9.91825E-06	1.164223075	1.961614966	0.028542753	0.000286432	3.998500824	0.001120675	0.010059727	0.000213637	0.00014217	5.67883E-05	0.079247363	1.98365E-06	6.54469E-05	0.000487071	0.001621266	0
2037 May	0.000239886	0.000884876	0.121375404	9.95714E-06	1.250228286	2.200456381	0.035753243	0.000279586	4.3196702	0.001183579	0.010217703	0.000279132	0.000150293	6.33617E-05	0.088276774	1.99143E-06	6.64907E-05	0.000559611	0.00164424	0
2037 Jun	0.000277774	0.00087782	0.128755063	9.48431E-06	1.288693905	2.376047134	0.043239679	0.000245356	4.461037159	0.001202159	0.009838133	0.000350184	0.000158221	6.84635E-05	0.094600566	1.89686E-06	6.3597E-05	0.000631954	0.00161359	0
2037 Jul	0.000281759	0.00090246	0.131949246	9.84426E-06	1.321492434	2.422346354	0.043799315	0.000250193	4.563220501	0.001238044	0.010164829	0.00035444	0.000164809	7.00696E-05	0.096506648	1.96885E-06	6.54308E-05	0.00064651	0.001679824	0
2037 Aug	0.000289196	0.000932839	0.135884613	1.01918E-05	1.363873601	2.494130373	0.044878889	0.000260382	4.711380482	0.001277895	0.010501844	0.00036279	0.00016886	7.22513E-05	0.099433981	2.03836E-06	6.76122E-05	0.000661529	0.001731382	0
2037 Sep	0.000290336	0.000947315	0.137029111	1.03517E-05	1.380753994	2.517991781	0.044873424	0.000270267	4.77585125	0.001292718	0.010668067	0.000361512	0.00016851	7.2857E-05	0.100465365	2.07034E-06	6.8903E-05	0.00066161	0.001746319	0
2037 Oct	0.000278761	0.000937001	0.133149981	1.01993E-05	1.350536585	2.451207638	0.042570543	0.000281882	4.690811634	0.001261616	0.01056896	0.000340168	0.000159101	7.03104E-05	0.0978873	2.03986E-06	6.88802E-05	0.000630418	0.001692374	0
2037 Nov	0.000277233	0.00093745	0.132742509	1.01964E-05	1.348186374	2.444610119	0.042232726	0.000284892	4.686538219	0.001258859	0.010577397	0.000336894	0.000157682	6.99979E-05	0.097641207	2.03928E-06	6.90569E-05	0.000625984	0.001686288	0
2037 Dec	0.000277328	0.000937916	0.132796258	1.02012E-05	1.348778367	2.445623398	0.042244449	0.000285108	4.688696384	0.001259397	0.010582735	0.000336973	0.000157722	7.00237E-05	0.097682118	2.04025E-06	6.90949E-05	0.000626173	0.001686947	0
2038 Jan	0.000277374	0.000938006	0.132810965	1.02016E-05	1.348915577	2.445957899	0.042251773	0.000285144	4.689253807	0.001259494	0.010583401	0.000336991	0.00015772	7.0027E-05	0.097695008	2.04032E-06	6.91007E-05	0.000626238	0.001686957	0
2038 Feb	0.000277446	0.000938098	0.132831678	1.02019E-05	1.349089384	2.446415186	0.042264272	0.000285152	4.68992424	0.00125962	0.010583906	0.000337043	0.000157729	7.0033E-05	0.09771245	2.04037E-06	6.91046E-05	0.000626357	0.00168699	0
2038 Mar	0.000277532	0.000938305	0.13286531	1.02037E-05	1.349411249	2.447076321	0.042278204	0.000285204	4.69107914	0.001259901	0.010585963	0.000337128	0.000157761	7.0048E-05	0.097738415	2.04074E-06	6.91184E-05	0.000626527	0.001687291	0
2038 Apr	0.000278207	0.000940541	0.133184403	1.02278E-05	1.35264051	2.452976704	0.042381573	0.000285878	4.702325821	0.001262904	0.01061103	0.000337938	0.000158135	7.02147E-05	0.097973824	2.04556E-06	6.92822E-05	0.000628039	0.001691272	0
2038 May	0.000293663	0.000961075	0.137916267	1.03308E-05	1.39250803	2.552223921	0.045106206	0.000286012	4.847853184	0.001294543	0.010755551	0.000362278	0.00016225	7.2975E-05	0.101771235	2.06615E-06	7.0223E-05	0.000657326	0.001714035	0
2038 Jun	0.000330002	0.000960247	0.145509839	9.96591E-06	1.435980678	2.727440119	0.052220508	0.000255892	5.004676819	0.001319693	0.010475425	0.000429425	0.000170836	7.80824E-05	0.108137891	1.99318E-06	6.79821E-05	0.000727907	0.001698584	0
2038 Jul	0.00034305	0.001006626	0.152253702	1.05314E-05	1.503653526	2.844243526	0.05425287	0.000266878	5.229523182	0.001386392	0.011032709	0.000445751	0.000181432	8.16448E-05	0.112820022	2.10628E-06	7.13922E-05	0.000762257	0.001801745	0
2038 Aug	0.0003546	0.001050359	0.158024788	1.10221E-05	1.566307306	2.952522278	0.055961352	0.000282014	5.449472904	0.001444405	0.011510632	0.000458969	0.000187106	8.49285E-05	0.117233902	2.20443E-06	7.45372E-05	0.000785021	0.001874142	0
2038 Sep	0.000349067	0.001051111	0.156569034	1.10338E-05	1.559097886	2.928049088	0.054792922	0.000291235	5.433763981	0.001436688	0.011534346	0.000447595	0.000182845	8.40081E-05	0.116361655	2.20676E-06	7.50249E-05	0.00076966	0.001858397	0
2038 Oct	0.000339155	0.001043025	0.153420895	1.09346E-05	1.534799933	2.871431351	0.052840695	0.000300198	5.362593651	0.001412797	0.011468738	0.000429517	0.000175905	8.19395E-05	0.114186987	2.18693E-06	7.50415E-05	0.000744548	0.00182064	0
2038 Nov	0.000339124	0.001044845	0.153521106	1.09525E-05	1.536417842	2.873503685	0.052800946	0.000301688	5.369421482	0.001414156	0.011490751	0.000429005	0.000175735	8.19599E-05	0.11427597	2.1905E-06	7.52237E-05	0.000744193	0.001821795	0
2038 Dec	0.000339127	0.001045058	0.153534397	1.09546E-05	1.536616802	2.873773336	0.052797578	0.000301852	5.370242119	0.001414325	0.011493298	0.000428957	0.00017572	8.19635E-05	0.114287406	2.19092E-06	7.52445E-05	0.000744167	0.001821949	0
2039 Jan	0.000339167	0.001045133	0.153546438	1.09548E-05	1.536728501	2.874058962	0.052803822	0.000301887	5.370714664	0.001414398	0.011493793	0.000428963	0.000175714	8.19649E-05	0.114298359	2.19096E-06	7.52493E-05	0.000744216	0.001821924	0
2039 Feb	0.000339237	0.001045211	0.15356563	1.09549E-05	1.536885262	2.874492168	0.052816108	0.00030189	5.371329784	0.001414506	0.011494126	0.000429008	0.00017572	8.19695E-05	0.114314802	2.19097E-06	7.52521E-05	0.000744329	0.001821926	0

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.000339488	0.001045911	0.15367265	1.09618E-05	1.537936807	2.876535416	0.052856009	0.000302082	5.375041485	0.001415454	0.011501533	0.000429303	0.000175834	8.20236E-05	0.114395633	2.19235E-06	7.53009E-05	0.000744859	0.001823072	0
2039 Apr	0.000340322	0.001048438	0.154046312	1.0988E-05	1.541665554	2.883553267	0.052986301	0.000302805	5.388093472	0.001418874	0.011529157	0.000430344	0.000176257	8.22213E-05	0.114674471	2.1976E-06	7.5482E-05	0.000746676	0.001827435	0
2039 May	0.000344783	0.001061471	0.156006381	1.11217E-05	1.561083198	2.920520782	0.053689249	0.000306416	5.456120491	0.001436613	0.011670348	0.000436105	0.000178465	8.32729E-05	0.116140656	2.22433E-06	7.64062E-05	0.000756343	0.001849811	0
2039 Jun	0.000283241	0.000930361	0.135824889	1.05129E-05	1.367256641	2.463551521	0.044049531	0.000252686	4.666182518	0.00129883	0.010723042	0.000353938	0.000183476	7.2251E-05	0.09836556	2.10257E-06	6.83384E-05	0.000679533	0.001840399	0
2039 Jul	0.000237803	0.000849966	0.121346168	1.00002E-05	1.223844767	2.135915756	0.036555026	0.000221152	4.135242939	0.001186644	0.009976126	0.000293153	0.000173002	6.39254E-05	0.085596442	2.00004E-06	6.22049E-05	0.000590415	0.00175087	0
2039 Aug	0.000222766	0.000854418	0.118399024	1.00558E-05	1.197217226	2.055656433	0.033611037	0.000224145	4.071276188	0.001163923	0.009907595	0.000270821	0.000159895	6.19766E-05	0.082627364	2.01116E-06	6.12933E-05	0.000533946	0.001690589	0
2039 Sep	0.000223849	0.000868814	0.119481824	1.02065E-05	1.213597775	2.079316854	0.033581801	0.000234688	4.135396957	0.001177851	0.010071831	0.000269261	0.000159187	6.25205E-05	0.083645232	2.04131E-06	6.26162E-05	0.00053359	0.001703057	0
2039 Oct	0.000221048	0.000868593	0.118526697	1.01682E-05	1.207740664	2.066735029	0.032942139	0.000241541	4.125519276	0.001170045	0.010069777	0.000262878	0.000155605	6.18192E-05	0.083165117	2.03364E-06	6.29436E-05	0.000524437	0.00168429	0
2039 Nov	0.0002215	0.000870755	0.118788436	1.01922E-05	1.21054709	2.071445227	0.03300143	0.000242391	4.135469437	0.001172687	0.010094858	0.000263305	0.000155865	6.19484E-05	0.083355598	2.03844E-06	6.31126E-05	0.000525418	0.001687823	0
2039 Dec	0.000221579	0.000871156	0.118835568	1.01966E-05	1.211059093	2.072300196	0.033011459	0.000242559	4.137301445	0.001173165	0.01009951	0.000263374	0.000155908	6.19713E-05	0.083390228	2.03932E-06	6.31445E-05	0.000525586	0.00168845	0
2040 Jan	0.000221612	0.000871205	0.11884433	1.01966E-05	1.211138606	2.072520256	0.033016693	0.000242583	4.137645245	0.001173212	0.010099769	0.000263386	0.000155903	6.19727E-05	0.08339861	2.03932E-06	6.31475E-05	0.000525627	0.001688412	0
2040 Feb	0.00022167	0.000871286	0.118861787	1.01969E-05	1.211288333	2.072901726	0.033026796	0.000242593	4.138216972	0.001173323	0.010100286	0.000263431	0.000155912	6.19782E-05	0.083413206	2.03938E-06	6.31514E-05	0.000525726	0.001688457	0
2040 Mar	0.000221856	0.000871936	0.11895401	1.02042E-05	1.21221292	2.074551821	0.033055268	0.000242767	4.141407967	0.001174201	0.010107598	0.000263639	0.000156025	6.20244E-05	0.083479196	2.04083E-06	6.31975E-05	0.000526146	0.001689657	0
2040 Apr	0.00022242	0.000874107	0.119252011	1.02294E-05	1.215241313	2.079771996	0.033139661	0.000243368	4.151772022	0.001177124	0.010132628	0.000264301	0.000156411	6.21787E-05	0.083689034	2.04587E-06	6.33542E-05	0.000527471	0.001693828	0
2040 May	0.000233083	0.000891609	0.122780241	1.03476E-05	1.246470213	2.15229845	0.034975857	0.000245425	4.264701843	0.001202875	0.010279572	0.000280402	0.000159661	6.41917E-05	0.086488523	2.06952E-06	6.43309E-05	0.00054824	0.001716567	0
2040 Jun	0.000278139	0.000889979	0.131860748	9.89182E-06	1.303266764	2.374953747	0.04370768	0.000216355	4.467501163	0.001235175	0.009989168	0.00036031	0.000171108	7.03051E-05	0.094613254	1.97836E-06	6.2431E-05	0.000641755	0.001705684	0
2040 Jul	0.000277978	0.000903268	0.133386523	1.01624E-05	1.320156813	2.388273716	0.043623216	0.000217874	4.509268761	0.001257811	0.010215284	0.000358984	0.000177057	7.10243E-05	0.095223032	2.03247E-06	6.35762E-05	0.000650092	0.001762009	0
2040 Aug	0.000283293	0.00093055	0.136686668	1.04831E-05	1.355545759	2.444737673	0.044342954	0.0002637	4.633707047	0.00129189	0.010513117	0.000364692	0.000180077	7.28103E-05	0.097547337	2.09663E-06	6.54179E-05	0.000659502	0.001805914	0
2040 Sep	0.000280778	0.00093512	0.136150867	1.05523E-05	1.359482884	2.441001892	0.043752201	0.000235393	4.653601646	0.001294125	0.010563149	0.000358123	0.00017716	7.27695E-05	0.097554155	2.11045E-06	6.60162E-05	0.000649643	0.001801117	0
2040 Oct	0.000278898	0.000939417	0.135826111	1.05785E-05	1.359867692	2.437732458	0.043255389	0.000242792	4.663294792	0.001293057	0.010617688	0.000352943	0.000174798	7.24019E-05	0.09745504	2.11571E-06	6.66438E-05	0.000643326	0.001794195	0
2040 Nov	0.000279263	0.000941868	0.136071846	1.06036E-05	1.362745881	2.442436934	0.04328844	0.000244148	4.674126625	0.001295629	0.010646083	0.000353083	0.000174891	7.25105E-05	0.097646743	2.12072E-06	6.68548E-05	0.000643941	0.001797139	0
2040 Dec	0.000279304	0.000942116	0.136097923	1.06062E-05	1.3630445	2.442931175	0.043292698	0.000244277	4.675236702	0.001295898	0.010648945	0.000353107	0.000174905	7.25224E-05	0.09766683	2.12123E-06	6.68757E-05	0.000644015	0.001797456	0
2041 Jan	0.000279351	0.000942223	0.136114389	1.06068E-05	1.363202691	2.443288088	0.043300051	0.000244318	4.675854206	0.00129602	0.010649859	0.000353133	0.000174908	7.25275E-05	0.097680695	2.12136E-06	6.68829E-05	0.000644089	0.001797521	0
2041 Feb	0.000279422	0.000942342	0.1361375	1.06075E-05	1.363408089	2.443773746	0.043312132	0.000244338	4.67661953	0.001296183	0.010650784	0.000353191	0.000174923	7.25357E-05	0.097699441	2.1215E-06	6.68894E-05	0.000644215	0.001797631	0
2041 Mar	0.000279612	0.000942916	0.136223733	1.06136E-05	1.364257455	2.445360184	0.043342143	0.000244481	4.67956686	0.001296973	0.010657049	0.000353414	0.000175026	7.25795E-05	0.097762503	2.12273E-06	6.69291E-05	0.000644633	0.001798664	0
2041 Apr	0.000280155	0.00094471	0.136484742	1.06336E-05	1.366863132	2.45006752	0.043426659	0.000244942	4.688523769	0.00129944	0.010677192	0.000354091	0.000175357	7.27173E-05	0.097950481	2.12673E-06	6.70559E-05	0.000645873	0.001802049	0
2041 May	0.000283895	0.00095429	0.138032481	1.07284E-05	1.3816818	2.479362011	0.044036273	0.000247019	4.740334988	0.001312875	0.010777003	0.000359245	0.000177128	7.35628E-05	0.099105068	2.14567E-06	6.76917E-05	0.000653854	0.001818519	0
2041 Jun	0.000242654	0.000863209	0.124327123	1.03212E-05	1.251846075	2.172646761	0.03760644	0.000212169	4.201724529	0.001221857	0.01017054	0.000303116	0.000183297	6.60455E-05	0.087161414	2.06425E-06	6.2623E-05	0.000610545	0.001828829	0
2041 Jul	0.000209361	0.000791984	0.112883948	9.87525E-06	1.141384006	1.924703598	0.032271855	0.000187477	3.775254488	0.001136417	0.009586888	0.000257912	0.000180318	5.96481E-05	0.077470958	1.97505E-06	5.8115E-05	0.000559287	0.001783822	0
2041 Aug	0.000216792	0.000827918	0.117428787	1.03187E-05	1.189774036	2.001648426	0.03332096	0.000197979	3.940320015	0.001184078	0.01000134	0.000266076	0.000185968	6.21007E-05	0.080627955	2.06375E-06	6.06545E-05	0.00057587	0.001852263	0
2041 Sep	0.000217758	0.000839658	0.118318729	1.04507E-05	1.204242587	2.021785021	0.033325799	0.000206484	3.995700359	0.00119648	0.010131003	0.000264999	0.000185369	6.26684E-05	0.081518523	2.09014E-06	6.1686E-05	0.000575169	0.001863131	0
2041 Oct	0.000215329	0.000841601	0.117539339	1.04211E-05	1.200320721	2.013415098	0.032713339	0.00021481	3.995664358	0.001189743	0.010144154	0.00025882	0.000181203	6.2029E-05	0.081204601	2.08423E-06	6.21591E-05	0.000565364	0.001842174	0
2041 Nov	0.000215757	0.000844798	0.117846012	1.04536E-05	1.203989625	2.019330978	0.032746054	0.000216668	4.009610176	0.001193	0.010181321	0.000258901	0.000181281	6.21605E-05	0.08144635	2.09072E-06	6.24391E-05	0.000566033	0.001845817	0
2041 Dec	0.000215835	0.00084521	0.117893644	1.04582E-05	1.204514027	2.020194054	0.032755584	0.000216847	4.011478901	0.001193493	0.01018619	0.000258964	0.000181326	6.21835E-05	0.081481367	2.09164E-06	6.24726E-05	0.000566205	0.001846481	0
2042 Jan	0.000215902	0.000845378	0.11791905	1.04595E-05	1.204761267	2.020718336	0.032766022	0.000216906	4.012409687	0.001193696	0.010187762	0.000259012	0.000181339	6.21929E-05	0.081501901	2.09189E-06	6.24841E-05	0.00056632	0.001846646	0
2042 Feb	0.00021597	0.000845468	0.117938943	1.04597E-05	1.204930186	2.021158695	0.032777842	0.000216917	4.013062477	0.001193818	0.010188289	0.000259063	0.000181347	6.21989E-05	0.081518717	2.09195E-06	6.24883E-05	0.000566433	0.001846679	0
2042 Mar	0.000216097	0.000845868	0.117998652	1.04642E-05	1.205521345	2.02223587	0.032797869	0.000217013	4.015080452	0.00119438	0.010192797	0.000259198	0.000181427	6.2228E-05	0.081561655	2.09284E-06	6.25164E-05	0.000566729	0.001847461	0
2042 Apr	0.000217102	0.000849746	0.118541889	1.05119E-05	1.211060643	2.031576872	0.032950826	0.000218004	4.033557892	0.001199854	0.010239351	0.000260394	0.000182255	6.25131E-05	0.081938095	2.10238E-06	6.28022E-05	0.000569344	0.00185588	0
2042 May	0.00022419	0.000867477	0.121457249	1.0689E-05	1.238844633	2.086628199	0.034114942	0.0002216	4.130074501	0.00122516	0.010425439	0.000270254	0.000185763	6.41112E-05	0.084105939	2.1378E-06	6.39782E-05	0.000584801	0.001887599	0
2042 Jun	0.000205853	0.000815023	0.114541836	1.0372E-05	1.169600725	1.936689138	0.031428844	0.000199097	3.845346212	0.001173943	0.010022961	0.000247397	0.00018912	6.04209E-05	0.078191921	2.0744E-06	6.07819E-05	0.000568204	0.001881503	0
2042 Jul	0.000188695	0.000784901	0.10919252	1.01959E-05	1.116018534	1.813094974	0.028608613	0.000186609	3.643497467	0.001133165	0.009760747	0.000224463	0.000186316	5.72787E-05	0.073363878	2.03918E-06	5.85565E-05	0.000536952	0.001855284	0
2042 Aug	0.000176975	0.000772785	0.104282156	1.00078E-05	1.091175795	1.749446034	0.026313089	0.000203313	3.594170809	0.001099641	0.009489752	0.000202762	0.000168161	5.57238E-05	0.071261525	2.00155E-06	5.75841E-05	0.00048327	0.001753534	0
2042 Sep	0.00017136	0.00077166	0.101855114	9.94929E-06	1.085918665	1.728768587	0.025063008	0.000221088	3.601083517	0.001086707	0.009417787	0.000189282	0.000157426	5.50625E-05	0.070721768	1.98986E-06	5.79283E-05	0.000455236	0.001700652	0
2042 Oct	0.00016864	0.000772921	0.100796692	9.87322E-06	1.078903675	1.718304038	0.024347333	0.000231431	3.596615791	0.001075318	0.009413725	0.000182115	0.000151606	5.41291E-05	0.070291884	1.97464E-06	5.84465E-05	0.000443053	0.001667466	0
2042 Nov	0.000169108	0.000775641	0.101100393	9.90412E-06	1.08233428	1.723797321	0.024401512	0.000232661	3.608840704	0.001078553	0.009446041	0.000182445	0.000151886	5.42769E-05	0.070516519	1.98082E-06	5.86698E-05	0.000444074	0.001671837	0
2042 Dec	0.000169157	0.000775934	0.101132244	9.90738E-06	1.08269763	1.724379778	0.024406819	0.000232801	3.610150099	0.001078893	0.009449508	0.000182475	0.000151912	5.42921E-05	0.070540339	1.98148E-06	5.86942E-05	0.000444175	0.001672282	0
2043 Jan	0.0001692	0.000776021	0.101146437	9.90779E-06	1.082829595	1.724695325	0.024413716	0.000232834	3.610676765	0.001078989	0.009450188	0.000182502	0.000151913	5.42963E-05	0.070552506	1.98156E-06	5.86998E-05	0.00044424	0.001672311	0
2043 Feb	0.000169257	0.000776098	0.101163223	9.90805E-06	1.08297205	1.725063562	0.024423562	0.000232843	3.611224174	0.001079094	0.009450655	0.000182546	0.000151921	5.43015E-05	0.070566565	1.98161E-06	5.87034E-05	0.000444336	0.001672346	0
2043 Mar	0.00016932	0.000776285	0.10119129	9.91003E-06	1.083252192	1.725586772	0.024433503	0.000232891	3.612197638	0.001079353	0.009452676	0.000182604	0.000151953	5.43145E-05	0.070587426	1.98201E-06	5.87163E-05	0.000444471	0.001672678	0
2043 Apr	0.000170075	0.000779691	0.101637416	9.95329E-06	1.088016272	1.7332201	0.02454303	0.000233909	3.628106833	0.001084088	0.009494008	0.000183413	0.000152618	5.45528E-05	0.070899367	1.99066E-06	5.89733E-05	0.000446438	0.001679977	0
2043 May	0.000179473	0.000799625	0.105153255	1.0128E-05	1.12067914	1.802239776	0.02611701	0.000237514	3.743793011	0.001112632	0.009686929	0.000196957	0.000156323	5.65163E-05	0.073596358	2.0256E-06	6.02194E-05	0.000465669	0.001711302	0
2043 Jun	0.000233007	0.000825747	0.118062288	9.85118E-06	1.208159089	2.093378544	0.03606604	0.000215457	4.071480274	0.001170169	0.009641961	0.000288313	0.000168282	6.40891E-05	0.084298477	1.97024E-06	5.99533E-05	0.000570668	0.001715064	0
2043 Jul	0.000234238	0.00084936	0.12068291	1.02143E-05	1.234664798	2.122890472	0.036122046	0.000219314	4.152826309	0.00120156	0.009954936	0.000288745	0.000173743	6.52628E-05	0.085553586	2.04286E-06	6.1578E-05	0.000577947	0.001776124	0
2043 Aug	0.000238016	0.00087697	0.123441771	1.05618E-05	1.271699429	2.175433159	0.036522321	0.000232711	4.284649372	0.001236169	0.010257156	0.000290591	0.000175104	6.70756E-05	0.087841898	2.11236E-06	6.36264E-05	0.000581673	0.001816517	0
2043 Sep	0.000234436	0.000878184	0.122288242	1.05814E-05	1.270756364	2.163287878	0.035746451	0.000242201	4.290850163	0.001232692	0.010257385	0.000282355	0.000170494	6.67744E-05	0.087530747	2.11627E-06	6.39811E-05	0.000567395	0.001799072	0
2043 Oct	0.000228834	0.00087976	0.120540559	1.05139E-05	1.259466767	2.139419079	0.034429245	0.000256516	4.274906158	0.001217428	0.010272952	0.000269437	0.000163077	6.5312E-05	0.086599022	2.10277E-06	6.47631E-05	0.00054856	0.001760895	0
2043 Nov	0.000223689	0.000880031	0.118874282	1.04422E-05	1.248103738	2.116047382	0.033243734	0.000268613	4.255746365	0.00120267	0.010273648	0.000257895	0.000156439	6.3962E-05	0.085682862	2.08844E-06	6.53606E-05	0.000531538	0.001725585	0
2043 Dec	0.00022372	0.000880354	0.118901275	1.04453E-05	1.248447061	2.116589308	0.033244241	0.000268629	4.257109642	0.001202964	0.010277397	0.000257876	0.000156431	6.39721E-05	0.085705109	2.08906E-06	6.53902E-05	0.000531565	0.001725868	0
2044 Jan	0.000223795	0.000880512	0.118926577	1.04462E-05	1.248685122	2.1171422	0.033256032	0.000268889	4.258046627	0.001203143	0.010278703	0.00025792	0.000156435	6.39797E-05	0.085726492	2.08923E-06	6.54007E-05	0.000531681	0.001725946	0
2044 Feb	0.000223968	0.000880939	0.118995413	1.04501E-05	1.249349236	2.118486404	0.033284198	0.000268993	4.260415554	0.001203727	0.01028295	0.000258081	0.000156502	6.401E-05	0.085779466	2.09002E-06	6.54287E-05	0.000532024	0.001726587	0
2044 Mar	0.000224192	0.000881683	0.119101882	1.04583E-05	1.250435233	2.120446205	0.033318814	0.000269206	4.264175892	0.001204743	0.010291227	0.000258319	0.000156628	6.40636E-05	0.085858025	2.09166E-06	6.54819E-05	0.00053252	0.001727938	0
2044 Apr	0.000224656	0.000883431	0.119341381	1.04787E-05	1.252931952	2.124745846	0.033388503	0.000269732	4.272721767	0.001207132	0.010311408	0.000258842	0.000156936	6.41904E-05	0.08603169	2.09574E-06	6.56106E-05	0.000533602	0.001731304	0
2044 May	0.000228445	0.000896402	0.121185839	1.06254E-05	1.271819115	2.15832901	0.033971369	0.000273422	4.337645054	0.001224989	0.010458229	0.000263504	0.000159251	6.51898E-05	0.087380394	2.12508E-06	6.65476E-05	0.000542238	0.001755795	0
2044 Jun	0.0002107	0.000816829	0.113009647	1.00211E-05	1.174741626	1.976104021	0.03186436	0.000227826	3.936099291	0.001151473	0.009773591	0.00024835	0.00016728	6.06959E-05	0.079934329	2.00422E-06	6.09679E-05	0.000537956	0.00174149	0
2044 Jul	0.000207878	0.000822925	0.113734029	1.02772E-05	1.182698488	1.967699051	0.031415731	0.000224643	3.935000896	0.001169477	0.009967336	0.000243954	0.000175445	6.09395E-05	0.079679891	2.05544E-06	6.17193E-05	0.000547023	0.001808554	0
2044 Aug	0.000218241	0.000869095	0.119695604	1.08548E-05	1.247859478	2.072486401	0.032913446	0.000239473	4.155187607	0.001233172	0.010513797	0.000255109	0.000183502	6.42569E-05	0.083985165	2.17095E-06	6.51675E-05	0.000571863	0.001901975	0
2044 Sep	0.000208172	0.000856138	0.115407512	1.06488E-05	1.221656203	2.014782667	0.030919328	0.000253928	4.09228754	0.001200767	0.01031169	0.000235811	0.000170158	6.23395E-05	0.081920907	2.12976E-06	6.46809E-05	0.000533955	0.001823058	0
2044 Oct	0.000203865	0.000855785	0.113856077	1.05562E-05	1.210377812	1.994519234	0.029905811	0.000264835	4.074510098	0.00118562	0.01029128	0.000226044	0.000163349	6.10907E-05	0.081112199	2.11124E-06	6.51195E-05	0.000517708	0.00178407	0
2044 Nov	0.000203469	0.000857846	0.113813959	1.05631E-05	1.211026073	1.995234728	0.029767364	0.000267788	4.080936432	0.001185202	0.01031266	0.000224555	0.000162326	6.09806E-05	0.081144527	2.11261E-06	6.53741E-05	0.000515584	0.001780324	0
2044 Dec	0.000203508	0.000858108	0.113840453	1.05658E-05	1.211336732	1.995737195	0.029770965	0.00026793	4.082093716	0.001185483	0.010315719	0.00022457	0.000162338	6.09925E-05	0.081165053	2.11316E-06	6.53967E-05	0.000515654	0.001780658	0
2045 Jan	0.000203549	0.000858167	0.113851503	1.05658E-05	1.211431503	1.996009111	0.029777601	0.000267955	4.082510948	0.001185537	0.010315999	0.000224589	0.000162331	6.09942E-05	0.081175327	2.11315E-06	6.54E-05	0.000515704	0.0017806	0
2045 Feb	0.000203612	0.000858238	0.113868862	1.05658E-05	1.211572051	1.996402383	0.02978876	0.000267959	4.083065987	0.001185633	0.010316292	0.000224636	0.000162337	6.09989E-05	0.081190221	2.11316E-06	6.54026E-05	0.000515806	0.001780597	0
2045 Mar	0.000203759	0.000858747	0.113940835	1.05716E-05	1.21231389	1.997712731	0.029811198	0.000268107	4.085609913	0.001186336	0.010322114	0.000224785	0.000162428	6.1035E-05	0.081242904	2.11432E-06	6.54399E-05	0.000516145	0.001781572	0
2045 Apr	0.000204182	0.000860469	0.114171788	1.05925E-05	1.214757442	2.00178957	0.029873684	0.000268639	4.093870163	0.001188714	0.010342638	0.000225245	0.000162752	6.11573E-05	0.081408359	2.11851E-06	6.55702E-05	0.000517199	0.001785098	0
2045 May	0.000206835	0.000871622	0.115652643	1.07297E-05	1.230507255	2.027765036	0.030262046	0.000272118	4.146959305	0.00120412	0.010476615	0.00022817	0.00016486	6.195E-05	0.082464583	2.14594E-06	6.64197E-05	0.000523911	0.001808215	0
2045 Jun	0.000185413	0.000810125	0.108039118	1.0394E-05	1.147873998	1.848303676	0.027211478	0.000238846	3.798834801	0.001146743	0.010025631	0.000203441	0.000172007	5.76366E-05	0.075314343	2.07879E-06	6.2423E-05	0.000509407	0.001818476	0
2045 Jul	0.000178272	0.000800969	0.106958814	1.0523E-05	1.134658456	1.799502254	0.026174003	0.0002271	3.715561152	0.00114789	0.010072297	0.000194856	0.000180343	5.68521E-05	0.073421262	2.10459E-06	6.19864E-05	0.000513138	0.001874674	0
2045 Aug	0.00018343	0.00083003	0.11035686	1.08967E-05	1.174395323	1.859199762	0.026848875	0.00023799	3.851063013	0.001186768	0.010414488	0.000199349	0.00018439	5.88149E-05	0.075928234	2.17935E-06	6.41757E-05	0.000524384	0.001930143	0
2045 Sep	0.000181903	0.000834033	0.109838724	1.09069E-05	1.176584125	1.859172583	0.026411364	0.000247331	3.87181282	0.001185135	0.010432199	0.000194419	0.000179969	5.86816E-05	0.076028816	2.18139E-06	6.46639E-05	0.000513913	0.001911435	0
2045 Oct	0.000182492	0.000840139	0.110328726	1.09613E-05	1.182895899	1.869443178	0.026416052	0.000251636	3.897689819	0.0011903	0.010500948	0.000194014	0.000179615	5.88551E-05	0.07644859	2.19227E-06	6.52257E-05	0.000514109	0.001915379	0
2045 Nov	0.000182875	0.000841998	0.110563733	1.09849E-05	1.185446501	1.873483062	0.026469011	0.000252266	3.906243801	0.00119283	0.010523965	0.00019439	0.000179964	5.89779E-05	0.076613791	2.19697E-06	6.53726E-05	0.000515143	0.001919325	0
2045 Dec	0.000182952	0.00084241	0.110612899	1.09898E-05	1.185990572	1.874347687	0.026478974	0.000252429	3.908117771	0.00119336	0.010528999	0.000194456	0.000180025	5.90027E-05	0.076649144	2.19797E-06	6.54061E-05	0.000515338	0.001920105	0
2046 Jan	0.000182994	0.000842513	0.110628441	1.09906E-05	1.18614161	1.874669433	0.026485397	0.000252465	3.908688307	0.001193483	0.010529954	0.000194485	0.000180033	5.90084E-05	0.076661736	2.19812E-06	6.54131E-05	0.000515409	0.001920204	0

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.000183051	0.000842635	0.11064963	1.09916E-05	1.186339855	1.875093102	0.026494959	0.000252491	3.909402132	0.001193653	0.010531098	0.000194534	0.000180052	5.90168E-05	0.076678291	2.19832E-06	6.54207E-05	0.000515521	0.001920373	0
2046 Mar	0.000183256	0.000843499	0.110765949	1.10026E-05	1.187571168	1.877099514	0.026525268	0.000252744	3.913493395	0.001194875	0.010541691	0.000194744	0.000180233	5.90773E-05	0.076759927	2.20052E-06	6.54868E-05	0.00051607	0.001922283	0
2046 Apr	0.000184058	0.000847149	0.111246787	1.105E-05	1.192717433	1.885268331	0.026641818	0.000253834	3.930470943	0.001200044	0.01058718	0.000195593	0.000181011	5.93329E-05	0.077093735	2.21E-06	6.57696E-05	0.000518314	0.001930566	0
2046 May	0.000188068	0.000860171	0.113166839	1.12002E-05	1.212131977	1.919997096	0.027272072	0.000257184	3.996285677	0.001218581	0.010737054	0.000200678	0.000183677	6.03769E-05	0.078484625	2.24003E-06	6.67117E-05	0.00052795	0.001957044	0
2046 Jun	0.000171571	0.000786035	0.105221771	1.05624E-05	1.118243814	1.749753833	0.025246538	0.00021697	3.624432087	0.00114302	0.010041331	0.000186457	0.000186994	5.5989E-05	0.071513832	2.12247E-06	6.1298E-05	0.00051606	0.001915013	0
2046 Jul	0.0001537	0.000735435	0.098411314	1.01555E-05	1.042633057	1.598190188	0.022584861	0.000191784	3.336319685	0.001082639	0.00956313	0.000166101	0.000185626	5.2027E-05	0.065432467	2.0311E-06	5.74875E-05	0.000489274	0.001872665	0
2046 Aug	0.000157629	0.000761756	0.101272359	1.04943E-05	1.077678204	1.648710489	0.023048723	0.000202473	3.457689524	0.00111666	0.009864751	0.000168877	0.000188335	5.37401E-05	0.067589417	2.09886E-06	5.94315E-05	0.000496125	0.001918402	0
2046 Sep	0.000153004	0.000758086	0.098791048	1.03311E-05	1.065953255	1.627548933	0.021968022	0.000218107	3.450390816	0.001095546	0.009735009	0.000157819	0.000176081	5.27113E-05	0.066901252	2.06622E-06	5.94472E-05	0.000468054	0.001846282	0
2046 Oct	0.000150381	0.000761247	0.097567372	1.02111E-05	1.058156848	1.620067239	0.021163234	0.000232923	3.455627203	0.001079994	0.009718935	0.000149736	0.000167007	5.1584E-05	0.066574469	2.04221E-06	6.01327E-05	0.000450655	0.001792967	0
2046 Nov	0.000150309	0.000763364	0.097592853	1.02149E-05	1.059259415	1.622427464	0.021087361	0.00023566	3.463860273	0.001079974	0.009737442	0.000148839	0.000165998	5.1525E-05	0.066668548	2.04299E-06	6.03657E-05	0.000448999	0.001788782	0
2046 Dec	0.000150374	0.000763766	0.097637147	1.02196E-05	1.059763908	1.623219848	0.021094585	0.000235845	3.465644121	0.001080455	0.009742321	0.00014888	0.000166043	5.15463E-05	0.06670101	2.04392E-06	6.03993E-05	0.000449152	0.00178946	0
2047 Jan	0.000150429	0.000763877	0.097655177	1.02202E-05	1.059931993	1.62361896	0.021103289	0.000235886	3.466313124	0.001080578	0.009743187	0.000148915	0.000166044	5.15519E-05	0.066716425	2.04403E-06	6.04064E-05	0.000449234	0.001789498	0
2047 Feb	0.000150512	0.000764038	0.097684205	1.02214E-05	1.060198665	1.624210596	0.02111716	0.000235918	3.467285633	0.0010808	0.009744604	0.000148983	0.000166068	5.15628E-05	0.06673944	2.04427E-06	6.0416E-05	0.000449389	0.001789695	0
2047 Mar	0.000150809	0.000765403	0.097863406	1.02391E-05	1.062116981	1.627249599	0.021160051	0.000236329	3.473614454	0.001082729	0.009761672	0.000149269	0.000166358	5.1655E-05	0.066863604	2.04782E-06	6.05223E-05	0.000450225	0.001792795	0
2047 Apr	0.000151158	0.000767096	0.098082535	1.02614E-05	1.064480066	1.630927205	0.021209801	0.000236846	3.481374025	0.001085122	0.009783069	0.00014961	0.000166723	5.17693E-05	0.067014314	2.05229E-06	6.06552E-05	0.00045124	0.001796705	0
2047 May	0.00016581	0.000785776	0.102418683	1.03287E-05	1.100507855	1.724108458	0.023778468	0.000237493	3.616617203	0.001112408	0.009900576	0.000172603	0.000169649	5.42698E-05	0.07056345	2.06573E-06	6.14844E-05	0.000477574	0.001810482	0
2047 Jun	0.000231091	0.000821804	0.117859878	9.93045E-06	1.20713675	2.083365679	0.035762504	0.000216486	4.040925026	0.001176047	0.009780722	0.000283267	0.000176653	6.35216E-05	0.0838400 8	1.98609E-06	6.09758E-05	0.000589302	0.00177012	0
2047 Jul	0.000237648	0.0008548	0.122349434	1.0406E-05	1.253534317	2.152475595	0.036739528	0.000223373	4.18573761	0.001225731	0.010220214	0.000290657	0.000185983	6.5851E-05	0.086667553	2.08119E-06	6.35083E-05	0.000612178	0.001860746	0
2047 Aug	0.000244632	0.000887855	0.126381725	1.08166E-05	1.300465941	2.226519585	0.037713148	0.000235959	4.347086906	0.001270557	0.010600431	0.000297479	0.00019049	6.82415E-05	0.089755856	2.16331E-06	6.59896E-05	0.00062672	0.001921639	0
2047 Sep	0.000236277	0.000880422	0.123196907	1.07044E-05	1.282377362	2.181853294	0.036039077	0.000248277	4.304710865	0.001248507	0.010483846	0.000281258	0.00018058	6.67947E-05	0.088181302	2.14088E-06	6.58415E-05	0.000596815	0.001867582	0
2047 Oct	0.000229648	0.000875955	0.12078952	1.05686E-05	1.263383627	2.145431042	0.034614492	0.000259158	4.261636257	0.001226007	0.010419095	0.000267933	0.000172337	6.50506E-05	0.086743012	2.11371E-06	6.60263E-05	0.000574812	0.001818281	0
2047 Nov	0.000228424	0.000876624	0.12042255	1.05556E-05	1.261131525	2.140537739	0.034320954	0.000262484	4.259421825	0.001222778	0.010424081	0.000265072	0.000170581	6.47382E-05	0.086553968	2.11113E-06	6.62105E-05	0.000570361	0.001809408	0
2047 Dec	0.0002285	0.000877031	0.120468721	1.05601E-05	1.261648655	2.141392946	0.034330118	0.000262672	4.261283398	0.001223257	0.010428855	0.00026513	0.00017062	6.47606E-05	0.086588733	2.11202E-06	6.6244E-05	0.000570522	0.00181003	0
2048 Jan	0.00022858	0.000877244	0.120500445	1.05619E-05	1.261961341	2.142032862	0.034342486	0.000262745	4.262438774	0.001223522	0.01043095	0.000265191	0.000170641	6.47732E-05	0.086613908	2.11238E-06	6.6259E-05	0.000570668	0.001810281	0
2048 Feb	0.000228712	0.000877571	0.120553307	1.0565E-05	1.262472391	2.143060446	0.034363981	0.000262825	4.264249325	0.001223975	0.01043427	0.000265316	0.000170696	6.47967E-05	0.086654425	2.11299E-06	6.62808E-05	0.000570938	0.001810799	0
2048 Mar	0.000228759	0.000877654	0.120568946	1.05655E-05	1.262613177	2.143386364	0.03437192	0.00026284	4.264770985	0.001224089	0.010434945	0.000265354	0.000170707	6.48025E-05	0.086667031	2.1131E-06	6.62855E-05	0.000571023	0.001810884	0
2048 Apr	0.000229652	0.000880732	0.121007167	1.06009E-05	1.267120123	2.151346684	0.034509264	0.000263727	4.280157089	0.001228376	0.010470445	0.000266334	0.000171288	6.50284E-05	0.086986892	2.12018E-06	6.65124E-05	0.000573137	0.001816932	0
2048 May	0.000233094	0.000893753	0.122804038	1.07568E-05	1.285893202	2.183379412	0.035028107	0.000267607	4.343652725	0.001246534	0.010624673	0.000270302	0.000173811	6.59896E-05	0.088281043	2.15136E-06	6.74928E-05	0.000581668	0.00184364	0
2048 Jun	0.000200755	0.000808803	0.111289866	1.02453E-05	1.165760517	1.922411203	0.030202407	0.000227231	3.856791019	0.001158379	0.009958223	0.000230673	0.000178304	5.95105E-05	0.07794401	2.04907E-06	6.19302E-05	0.000547145	0.001827713	0
2048 Jul	0.000177959	0.000760603	0.104224034	1.00307E-05	1.090946674	1.748735309	0.026687661	0.000200969	3.549916983	0.001107333	0.009610143	0.000202271	0.00018185	5.5341E-05	0.071100011	2.00614E-06	5.86087E-05	0.000520498	0.001831174	0
2048 Aug	0.000178374	0.000778844	0.105327494	1.02486E-05	1.11275661	1.774140477	0.026519112	0.00021349	3.636008024	0.001125819	0.009777365	0.000199524	0.000179144	5.63443E-05	0.072330624	2.04971E-06	5.98716E-05	0.000512029	0.001839696	0
2048 Sep	0.000174933	0.00078019	0.10392122	1.02071E-05	1.109438539	1.763034105	0.02569345	0.000226043	3.644932508	0.001116914	0.009747111	0.000190851	0.000171579	5.58155E-05	0.072034433	2.04142E-06	6.02403E-05	0.000493289	0.001801765	0
2048 Oct	0.000171655	0.000780216	0.102572493	1.0102E-05	1.099556088	1.748196959	0.024869343	0.000236608	3.633800983	0.001102051	0.009716429	0.000182888	0.000164525	5.47166E-05	0.071429573	2.02041E-06	6.06194E-05	0.000477989	0.001759643	0
2048 Nov	0.000171093	0.000783294	0.102467	1.01021E-05	1.10015142	1.74947381	0.024656225	0.000241524	3.643890381	0.001100777	0.009743061	0.000180603	0.00016251	5.45172E-05	0.071482264	2.02043E-06	6.10008E-05	0.000474096	0.001750671	0
2048 Dec	0.000171147	0.00078364	0.10250333	1.01059E-05	1.10057199	1.750148416	0.024661658	0.000241701	3.645426273	0.001101165	0.009747162	0.00018063	0.000162535	5.4534E-05	0.071509838	2.02118E-06	6.10302E-05	0.000474204	0.001751166	0
2049 Jan	0.00017121	0.000783772	0.102524541	1.01066E-05	1.10077095	1.750613332	0.024671651	0.00024175	3.646212578	0.001101313	0.009748226	0.00018067	0.000162538	5.45406E-05	0.071527824	2.02132E-06	6.10389E-05	0.0004743	0.001751223	0
2049 Feb	0.000171293	0.000783895	0.10255003	1.01071E-05	1.100991368	1.751163006	0.024685947	0.000241767	3.647049904	0.001101481	0.00974906	0.000180736	0.000162552	5.4549E-05	0.071548901	2.02143E-06	6.1045E-05	0.000474442	0.001751304	0
2049 Mar	0.000171446	0.000784453	0.102628253	1.01138E-05	1.10180223	1.752561212	0.024709227	0.000241928	3.649794102	0.001102263	0.009755629	0.000180885	0.000162661	5.45878E-05	0.071605273	2.02275E-06	6.10866E-05	0.000474818	0.001752446	0
2049 Apr	0.000172054	0.000787156	0.102984786	1.01483E-05	1.105613351	1.758685112	0.024797605	0.000242755	3.662451982	0.001106059	0.009789025	0.00018152	0.000163218	5.47758E-05	0.071855061	2.02966E-06	6.1296E-05	0.000476475	0.001758423	0
2049 May	0.000175634	0.00079944	0.104753211	1.02921E-05	1.123699307	1.79048121	0.025352454	0.000246097	3.72367692	0.001123422	0.009932171	0.000185932	0.000165695	5.5732E-05	0.073132277	2.05842E-06	6.21994E-05	0.000485199	0.001783562	0
2049 Jun	0.00015829	0.000732518	0.097587883	9.83503E-06	1.039355516	1.623832107	0.023164682	0.000206139	3.371176243	0.001062071	0.009376608	0.000169868	0.000173238	5.17527E-05	0.066376582	1.967E-06	5.74435E-05	0.000478131	0.00178076	0
2049 Jul	0.000148627	0.000712492	0.094827108	9.75891E-06	1.006829262	1.548273206	0.021711441	0.00019156	3.23575902	0.001041259	0.009230122	0.00015897	0.000175632	5.00202E-05	0.063371643	1.95178E-06	5.5835E-05	0.000467372	0.001786683	0
2049 Aug	0.000155219	0.000749504	0.099333324	1.02472E-05	1.056838751	1.623139381	0.022598397	0.000203329	3.402595043	0.001091713	0.009680458	0.000165246	0.000182158	5.24789E-05	0.066483475	2.04943E-06	5.86072E-05	0.000484309	0.00186488	0
2049 Sep	0.000152767	0.000753426	0.098203972	1.01909E-05	1.055140495	1.619548082	0.021881584	0.000218126	3.423388481	0.001082607	0.009666915	0.000157501	0.000173661	5.1928E-05	0.066441216	2.03817E-06	5.92131E-05	0.000466079	0.001820663	0
2049 Oct	0.000150378	0.000756183	0.097103208	1.00869E-05	1.048315167	1.612636685	0.021159401	0.000231254	3.428068399	0.001068962	0.009652189	0.000150245	0.000165621	5.09415E-05	0.066146649	2.01737E-06	5.98129E-05	0.000450474	0.001773681	0
2049 Nov	0.000150349	0.000758552	0.097159609	1.00945E-05	1.049785733	1.615510106	0.021089528	0.000234071	3.437476635	0.001069322	0.009673926	0.000149386	0.000164667	5.09014E-05	0.066262625	2.01889E-06	6.00653E-05	0.000448947	0.001770133	0
2049 Dec	0.000150413	0.000758952	0.097203195	1.00991E-05	1.050283194	1.616294384	0.021096459	0.000234259	3.439246893	0.001069794	0.009678761	0.000149424	0.000164709	5.09221E-05	0.066294737	2.01981E-06	6.0099E-05	0.000449093	0.001770786	0
2050 Jan	0.000150482	0.000759121	0.097228996	1.01003E-05	1.050533772	1.616829634	0.021107174	0.000234319	3.44019413	0.001069998	0.009680338	0.000149472	0.000164721	5.09316E-05	0.066315673	2.02006E-06	6.01106E-05	0.000449211	0.001770946	0
2050 Feb	0.000150558	0.000759234	0.097252451	1.01008E-05	1.050736427	1.617336035	0.021120366	0.000234334	3.44096446	0.001070151	0.009681096	0.000149533	0.000164734	5.09393E-05	0.066335097	2.02016E-06	6.01162E-05	0.000449342	0.001771018	0
2050 Mar	0.000150615	0.000759372	0.097275078	1.01021E-05	1.050953269	1.617775917	0.021129698	0.000234367	3.441732883	0.001070343	0.00968249	0.000149581	0.000164757	5.09486E-05	0.066352397	2.02042E-06	6.01253E-05	0.000449459	0.001771237	0
2050 Apr	0.000151018	0.000761315	0.097526811	1.01276E-05	1.053657293	1.621998668	0.021186896	0.00023496	3.450621128	0.001073081	0.009707056	0.000149975	0.000165175	5.10791E-05	0.066525169	2.02553E-06	6.02781E-05	0.000450629	0.00177571	0
2050 May	0.000153607	0.000771166	0.098901376	1.02482E-05	1.067884445	1.646085262	0.021579988	0.000237703	3.498214006	0.001087024	0.009825628	0.000153032	0.000167246	5.18122E-05	0.067497358	2.04964E-06	6.10202E-05	0.000457343	0.001796957	0
2050 Jun	0.000160265	0.000742925	0.098954067	9.93808E-06	1.049767137	1.643305302	0.023406096	0.000208472	3.408023357	0.001072893	0.009509214	0.000172077	0.000175233	5.2098E-05	0.06708695	1.98762E-06	5.82668E-05	0.000484615	0.001799743	0
2050 Jul	0.000148176	0.000714433	0.094822533	9.72018E-06	1.002522707	1.544955492	0.02155276	0.000191787	3.230956316	0.001035956	0.00922115	0.000158555	0.000173379	4.96368E-05	0.06316065	1.94404E-06	5.57814E-05	0.000462395	0.001770514	0
2050 Aug	0.000151605	0.000739514	0.097617075	1.0027E-05	1.032352924	1.588559389	0.02194369	0.000199202	3.335826397	0.001065771	0.009498161	0.000161702	0.000175835	5.10662E-05	0.064976044	2.0054E-06	5.74243E-05	0.000467705	0.00181057	0
2050 Sep	0.000150506	0.000745593	0.097213551	1.0039E-05	1.036651254	1.593573213	0.021530695	0.000211053	3.368158817	0.001064794	0.009529769	0.00015674	0.000170492	5.098E-05	0.065280043	2.00779E-06	5.81154E-05	0.000456406	0.001787686	0
2050 Oct	0.000151344	0.000753139	0.09785343	1.01079E-05	1.044726014	1.606799364	0.021561425	0.000216153	3.400655985	0.001071512	0.009614905	0.000156472	0.000170194	5.12244E-05	0.065820321	2.02158E-06	5.88E-05	0.000457015	0.001793338	0
2050 Nov	0.000151842	0.000755707	0.098177724	1.01415E-05	1.04822278	1.612199664	0.021629825	0.000216972	3.412210226	0.001075055	0.009647386	0.000156955	0.000170719	5.13916E-05	0.066041492	2.0283E-06	5.90031E-05	0.000458463	0.001799113	0
2050 Dec	0.000151902	0.000756056	0.098218076	1.01457E-05	1.048671603	1.612901807	0.021637116	0.000217114	3.413761616	0.001075493	0.009651674	0.000157001	0.000170768	5.14114E-05	0.066070236	2.02914E-06	5.90317E-05	0.000458617	0.001799764	0
2051 Jan	0.000151953	0.000756203	0.098239511	1.01471E-05	1.048885226	1.613322139	0.021644918	0.000217164	3.41453743	0.00107568	0.009653193	0.000157039	0.000170786	5.14201E-05	0.066086844	2.02941E-06	5.90423E-05	0.000458715	0.001799965	0
2051 Feb	0.000152009	0.000756317	0.098259725	1.0148E-05	1.049071908	1.613728642	0.021654284	0.000217186	3.415213346	0.001075838	0.009654234	0.000157086	0.000170804	5.14279E-05	0.066102684	2.02959E-06	5.90492E-05	0.000458823	0.001800117	0
2051 Mar	0.000152097	0.000756666	0.098307922	1.01523E-05	1.04957068	1.614560723	0.021667583	0.000217281	3.416873932	0.001076331	0.009658455	0.00015717	0.000170878	5.14516E-05	0.066136338	2.03046E-06	5.90753E-05	0.000459055	0.00180088	0
2051 Apr	0.00015267	0.000759466	0.098673478	1.01897E-05	1.053464413	1.620587707	0.021749685	0.000218082	3.429571152	0.001080314	0.009694074	0.000157759	0.000171508	5.16421E-05	0.066382967	2.03793E-06	5.92934E-05	0.000460766	0.001807508	0
2051 May	0.00017552	0.00082814	0.108938098	1.09087E-05	1.1549474	1.811201215	0.025354799	0.000235757	3.784060955	0.001173864	0.010432133	0.00018766	0.000183081	5.7197E-05	0.073963061	2.18173E-06	6.4011E-05	0.000509501	0.001926035	0
2051 Jun	0.000545203	0.001834129	0.260897607	2.07485E-05	2.689318657	5.266817093	0.087274805	0.000450904	13.24252605	0.002873663	0.020518478	0.000714021	0.000446367	0.000161206	0.193880975	4.19146E-06	0.000144416	0.001371011	0.00383108	5.88692E-05
2051 Jul	0.000468411	0.001705414	0.22770831	1.91028E-05	2.450347185	5.199954033	0.075753175	0.000436286	16.21705055	0.002919466	0.01863916	0.00061843	0.000475145	0.000161841	0.17600441	3.90402E-06	0.000148231	0.001244565	0.003657446	0.000113113
2051 Aug	0.000441228	0.001714094	0.21996735	1.92042E-05	2.422621012	5.25096035	0.070928633	0.000460091	17.44989395	0.002967509	0.018536408	0.00057603	0.000477949	0.000163672	0.172417149	3.93711E-06	0.000152597	0.001177493	0.003635859	0.00012959
2051 Sep	0.000384329	0.001634944	0.195923269	1.78673E-05	2.248811722	5.04526186	0.060399003	0.000508842	18.05525208	0.002825056	0.017286368	0.000480863	0.000429842	0.000155003	0.159486085	3.6772E-06	0.000151265	0.000997948	0.003256803	0.000141566
2051 Oct	0.000304207	0.001546498	0.162673041	1.57525E-05	1.995790482	4.69182682	0.043987498	0.000623982	18.22443008	0.002542869	0.015867271	0.000328373	0.000331668	0.000136279	0.141341135	3.26134E-06	0.000151431	0.000721884	0.002597226	0.000148833
2051 Nov	0.000300864	0.001557297	0.161886036	1.57551E-05	1.996658921	4.700335503	0.042983837	0.000662674	18.31479454	0.00253788	0.015961224	0.000317821	0.000324641	0.000135535	0.141320929	3.26305E-06	0.000153005	0.000705646	0.002565931	0.000149447
2051 Dec	0.000301061	0.001558757	0.162016943	1.57692E-05	1.998330474	4.704118252	0.043002591	0.000643504	18.32864761	0.002539689	0.01597688	0.000317905	0.000324767	0.000135622	0.141435072	3.2659E-06	0.000153147	0.000705984	0.002567661	0.000149525
2052 Jan	0.000301123	0.001559072	0.162044659	1.57711E-05	1.998677373	4.705060959	0.043009169	0.00064372	18.33185387	0.002539998	0.015979715	0.000317902	0.000324755	0.000135635	0.141462967	3.26629E-06	0.000153177	0.000706031	0.00256773	0.000149542
2052 Feb	0.000301251	0.001559502	0.162096813	1.57745E-05	1.999257803	4.706521034	0.043028608	0.000643899	18.33654785	0.002540623	0.01598363	0.000317999	0.000324814	0.000135667	0.141509339	3.26699E-06	0.000153215	0.00070626	0.002568204	0.000149574
2052 Mar	0.000301574	0.001561012	0.162260592	1.57894E-05	2.00122714	4.711164951	0.043076009	0.000644504	18.35392952	0.002543063	0.015998894	0.000318329	0.000325122	0.000135797	0.141651541	3.27008E-06	0.00015336	0.000706991	0.00257063	0.000149711
2052 Apr	0.000302214	0.001564238	0.162599832	1.58219E-05	2.005382776	4.720952988	0.043168254	0.000645826	18.39166069	0.00254831	0.016031848	0.000318998	0.000325791	0.000136077	0.141947255	3.2768E-06	0.000153675	0.000708478	0.00257591	0.000150017
2052 May	0.000330732	0.001625389	0.17221424	1.61564E-05	2.097107649	4.964659214	0.04775539	0.000668067	18.94667053	0.002622578	0.016526787	0.000357933	0.000330361	0.000141694	0.150201678	3.34427E-06	0.000158098	0.000755632	0.002614619	0.000151556
2052 Jun	0.000472659	0.001699358	0.210148811	1.59423E-05	2.350100994	5.598862648	0.073885038	0.000593096	18.62270164	0.00272133	0.016754156	0.000596903	0.000354942	0.000158344	0.178050354	3.2954E-06	0.000153569	0.001036614	0.002701175	0.000135228
2052 Jul	0.000476976	0.001745138	0.217042744	1.68305E-05	2.4092803	5.664126873	0.074696168	0.000578704	18.75857544	0.002794412	0.017421508	0.000606463	0.000376455	0.000161539	0.180459976	3.47542E-06	0.000155808	0.001068998	0.002889183	0.000135039
2052 Aug	0.000479925	0.001797937	0.221879229	1.75265E-05	2.467844963	5.78021431	0.074894451	0.000593442	19.26952171	0.002867674	0.017977796	0.000608233	0.000384935	0.000165246	0.183642834	3.61552E-06	0.00015971	0.001072596	0.00298446	0.000137898
2052 Sep	0.000456086	0.001784972	0.215153888	1.75244E-05	2.424656391	5.704489231	0.070537828	0.000607152	19.47797966	0.002838556	0.017816797	0.000569406	0.000374192	0.000162856	0.179071397	3.61263E-06	0.000159466	0.001008724	0.002931597	0.000139788
2052 Oct	0.000443076	0.001782026	0.211249098	1.74758E-05	2.400793076	5.692438602	0.068038382	0.000622921	19.77204895	0.002826462	0.017755874	0.000546476	0.000367842	0.000161641	0.176822886	3.60161E-06	0.000160426	0.000973333	0.002890967	0.000142416
2052 Nov	0.000444178	0.00178691	0.211797774	1.75235E-05	2.407176018	5.707709312	0.068201348	0.000624817	19.82679749	0.002833987	0.017804774	0.000547749	0.000368759	0.000162063	0.1772881	3.61141E-06	0.000160874	0.000975686	0.002898482	0.000142803
2052 Dec	0.000444337	0.001787683	0.211881965	1.75311E-05	2.408159256	5.710016727	0.068223566	0.000625147	19.83486176	0.002835095	0.017812727	0.000547915	0.000368882	0.000162124	0.177358449	3.61296E-06	0.000160945	0.000976013	0.002899617	0.000142852

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.0004445	0.001788418	0.211962774	1.7538E-05	2.409092188	5.712522984	0.068247259	0.000625461	19.84399033	0.002836147	0.017819874	0.000548071	0.000369	0.000162183	0.177427277	3.61436E-06	0.000161011	0.000976326	0.002900621	0.000142906
2053 Feb	0.000444707	0.001789141	0.212054104	1.75447E-05	2.410091639	5.714959145	0.068279877	0.000625706	19.85190201	0.002837264	0.017826838	0.000548299	0.000369139	0.000162246	0.17750369	3.61573E-06	0.000161073	0.000976753	0.002901705	0.000142958
2053 Mar	0.000445296	0.001791435	0.212329954	1.7567E-05	2.413201571	5.722338676	0.068370804	0.000626499	19.87714386	0.002840891	0.017849568	0.000549012	0.000369608	0.000162453	0.17773442	3.62032E-06	0.000161278	0.000978032	0.002905385	0.000143137
2053 Apr	0.000447081	0.001798575	0.213178441	1.76369E-05	2.422830582	5.745173931	0.068645239	0.00062899	19.95623398	0.002852207	0.017920632	0.000551205	0.000371079	0.0001631	0.178444549	3.63472E-06	0.00016192	0.000981946	0.002916942	0.000143705
2053 May	0.000517001	0.001912748	0.230694726	1.76951E-05	2.599852085	6.737409115	0.081674092	0.000664574	24.25632668	0.003116078	0.018195676	0.000670102	0.000412471	0.000185799	0.198279232	3.64405E-06	0.000174737	0.001106297	0.002960608	0.000175155
2053 Jun	0.000635809	0.00183668	0.249774426	1.54712E-05	2.659422398	7.2551651	0.105581418	0.000542368	24.61646843	0.003096471	0.016435895	0.000896768	0.00043101	0.000198466	0.215430215	3.18806E-06	0.000161726	0.001338221	0.002768582	0.000171807
2053 Jul	0.000633381	0.001847218	0.251205057	1.58647E-05	2.679807663	7.224036217	0.105221443	0.000534296	24.45887756	0.003128906	0.01673911	0.000892406	0.000444396	0.000199089	0.215473011	3.27516E-06	0.000163052	0.001357197	0.00287967	0.000172734
2053 Aug	0.00066952	0.0019651	0.266905338	1.70108E-05	2.848417759	7.658168316	0.111137204	0.000569008	25.89934158	0.003320249	0.017882684	0.000941883	0.000472214	0.000211003	0.228377849	3.5079E-06	0.000173102	0.0014373	0.003082166	0.000181503
2053 Sep	0.000692238	0.002037592	0.276511699	1.76941E-05	2.952617407	7.932301521	0.114865251	0.000591289	26.8242321	0.003439602	0.018574281	0.000972965	0.000489388	0.000218489	0.236453846	3.64717E-06	0.000179432	0.001487234	0.003203418	0.00018739
2053 Oct	0.000704067	0.002083983	0.28174758	1.81105E-05	3.013475895	8.145127296	0.116817497	0.000609056	27.70909882	0.003519172	0.018992601	0.000989165	0.000502107	0.000223615	0.241179645	3.73143E-06	0.000184133	0.001514632	0.003278598	0.000193453
2053 Nov	0.000712487	0.002122853	0.285717577	1.84622E-05	3.061979771	8.336556435	0.118202835	0.000625636	28.56085968	0.003586481	0.019339697	0.001000498	0.00051338	0.000227983	0.244892403	3.8021E-06	0.000188319	0.001535079	0.003342053	0.000199286
2053 Dec	0.000712961	0.002124833	0.285931319	1.84798E-05	3.064517975	8.345816612	0.118280388	0.000626441	28.60044289	0.003589869	0.019357426	0.001001137	0.000513921	0.000228201	0.24508889	3.80566E-06	0.000188524	0.001536178	0.003345193	0.000199558
2054 Jan	0.000713243	0.002125871	0.286050379	1.84887E-05	3.065886497	8.350848198	0.118327633	0.000626841	28.62133026	0.00359165	0.019366419	0.001001491	0.000514205	0.000228315	0.245197877	3.80744E-06	0.00018863	0.00153681	0.003346788	0.0001997
2054 Feb	0.000713488	0.002126563	0.286143899	1.84942E-05	3.066879511	8.353982925	0.118368953	0.000627055	28.63259697	0.003592816	0.019372318	0.001001786	0.000514379	0.000228388	0.245279863	3.80858E-06	0.000188692	0.001537321	0.003347801	0.000199773
2054 Mar	0.000713611	0.00212691	0.286190927	1.8497E-05	3.067377329	8.355564117	0.118389852	0.000627162	28.63826942	0.003593399	0.019375255	0.001001933	0.000514465	0.000228425	0.24532111	3.80914E-06	0.000188723	0.001537578	0.003348304	0.00019981
2054 Apr	0.000716208	0.00213463	0.287230551	1.8564E-05	3.078513384	8.385991096	0.118820794	0.00062944	28.74258232	0.003606437	0.019445471	0.001005563	0.000516332	0.000229253	0.246212587	3.82293E-06	0.000189408	0.001543166	0.003360432	0.000200536
2054 May	0.000741438	0.002211035	0.296646774	1.91413E-05	3.184191465	8.794222832	0.123217106	0.000655507	30.44806099	0.003748817	0.020042682	0.001043518	0.000539757	0.000239133	0.255133182	3.94054E-06	0.000197273	0.001598205	0.003473498	0.000212773
2054 Jun	0.000682204	0.001962263	0.268375158	1.68923E-05	2.86178112	8.08823967	0.114849515	0.000551973	28.40516663	0.00342659	0.017651342	0.000978091	0.000515026	0.000220317	0.231461138	3.4762E-06	0.000176914	0.001502466	0.003187216	0.000200921
2054 Jul	0.000577937	0.001789758	0.239923447	1.65504E-05	2.578950405	7.065410137	0.096825227	0.000489974	25.13958549	0.003141352	0.016842507	0.000819992	0.000491322	0.00019566	0.202657208	3.40219E-06	0.000162487	0.001340169	0.003163675	0.000179884
2054 Aug	0.000554775	0.001815215	0.23690325	1.71538E-05	2.581043959	7.014499187	0.092238471	0.000514728	25.35694122	0.003162843	0.017204942	0.000777605	0.000487596	0.000194945	0.200058311	3.52313E-06	0.00016513	0.001284168	0.003207529	0.000181719
2054 Sep	0.000528291	0.001815239	0.230299577	1.73684E-05	2.554123402	6.91866827	0.087109178	0.000543484	25.44875908	0.003146314	0.01724055	0.000728993	0.000474357	0.000192566	0.195983291	3.5654E-06	0.000166298	0.001212438	0.003172714	0.000182972
2054 Oct	0.000496338	0.00178639	0.219891757	1.70823E-05	2.479060888	6.745925903	0.080972627	0.000570331	25.29906845	0.003074818	0.016957603	0.000672089	0.00045191	0.000186769	0.189163387	3.50643E-06	0.000165763	0.001126946	0.003050742	0.000183151
2054 Nov	0.000483825	0.001773591	0.215690389	1.69394E-05	2.447329044	6.672196388	0.078561194	0.000580487	25.20884705	0.003043588	0.016831739	0.000649772	0.000442577	0.000184278	0.186383784	3.47731E-06	0.000165449	0.001093479	0.002998142	0.000183073
2054 Dec	0.000484234	0.001775853	0.215918675	1.69621E-05	2.450143814	6.679654598	0.07861726	0.000581538	25.23792458	0.0030469	0.016854577	0.000650174	0.000442958	0.000184466	0.186582804	3.48189E-06	0.000165664	0.001094311	0.003001462	0.000183253
2055 Jan	0.000484397	0.001776717	0.216006756	1.69705E-05	2.451215982	6.682503223	0.078639254	0.000581963	25.24846268	0.003048074	0.016863192	0.000650287	0.000443073	0.000184529	0.186659664	3.48357E-06	0.000165743	0.001094602	0.003002584	0.000183309
2055 Feb	0.000484503	0.001777083	0.216051042	1.69735E-05	2.451709032	6.683847904	0.078655466	0.000582122	25.25286865	0.003048579	0.016866487	0.000650357	0.000443118	0.000184556	0.186698705	3.48418E-06	0.000165774	0.00109478	0.00300298	0.000183332
2055 Mar	0.000484699	0.001777748	0.216133848	1.69795E-05	2.452633858	6.686374187	0.078687072	0.000582346	25.26202965	0.003049684	0.016872613	0.000650586	0.000443268	0.000184621	0.186770841	3.4854E-06	0.000165835	0.001095191	0.003003997	0.000183395
2055 Apr	0.000486072	0.001782733	0.216743067	1.70269E-05	2.4595263	6.705142021	0.078910261	0.000583973	25.33254623	0.003058219	0.01691984	0.000652415	0.000444505	0.000185137	0.187296927	3.49514E-06	0.000166298	0.00109828	0.003012383	0.000183905
2055 May	0.000491949	0.001804263	0.219362095	1.72325E-05	2.489236355	6.786124706	0.079864398	0.000591022	25.63832474	0.003095146	0.017124144	0.000660298	0.000449871	0.000187372	0.189559907	3.53734E-06	0.000168305	0.001111553	0.003048749	0.000186124
2055 Jun	0.000325289	0.001452522	0.166276619	1.5607E-05	1.968838096	5.169711113	0.052126441	0.000468172	20.82533264	0.002603353	0.014994562	0.000414854	0.000426676	0.000147318	0.140478283	3.21917E-06	0.000144046	0.000889498	0.002957093	0.000163438
2055 Jul	0.000276954	0.001358099	0.15410839	1.56425E-05	1.844300032	4.550673485	0.044088129	0.000408474	18.41597939	0.002472682	0.014776167	0.000343131	0.000431722	0.000134508	0.126018032	3.24127E-06	0.000136323	0.000854432	0.003072066	0.000151469
2055 Aug	0.000288785	0.001437257	0.162986726	1.66788E-05	1.947083592	4.753178596	0.045761451	0.000431027	19.14732361	0.002598059	0.015710359	0.000355451	0.000452469	0.000140796	0.132312179	3.45178E-06	0.00014322	0.000892777	0.003256289	0.000156067
2055 Sep	0.000286067	0.001469412	0.164148599	1.70831E-05	1.981145501	4.787792206	0.044803865	0.000455079	19.31191063	0.002628589	0.016035432	0.000344372	0.000448409	0.000142099	0.133802563	3.53511E-06	0.000145928	0.000874049	0.00327798	0.000156902
2055 Oct	0.000286493	0.001486214	0.164971963	1.72254E-05	1.997525334	4.830611706	0.044649858	0.000467945	19.51950645	0.00264719	0.016189096	0.000341926	0.00044774	0.00014301	0.134858027	3.56445E-06	0.000147686	0.000870052	0.003284463	0.000158388
2055 Nov	0.000287233	0.00149416	0.165571526	1.73032E-05	2.006320477	4.854248524	0.044703238	0.000472665	19.62458038	0.002657887	0.016268615	0.000341982	0.000448547	0.000143566	0.135441303	3.58025E-06	0.000148498	0.000870918	0.003293541	0.000159098
2055 Dec	0.000287344	0.001495364	0.16565676	1.73143E-05	2.007631779	4.858278751	0.04471216	0.000473394	19.64374161	0.002659618	0.016280022	0.000342003	0.000448693	0.00014366	0.135530993	3.58253E-06	0.000148628	0.000871042	0.003294843	0.000159239
2056 Jan	0.000287464	0.001495925	0.165712535	1.7319E-05	2.008327723	4.860339165	0.044729229	0.000473673	19.65195465	0.002660437	0.016285028	0.000342077	0.000448769	0.000143704	0.135584161	3.58349E-06	0.000148682	0.000871232	0.003295439	0.000159294
2056 Feb	0.000287604	0.001496361	0.165769249	1.73227E-05	2.008942366	4.862016678	0.044751879	0.000473825	19.65750885	0.002661105	0.016288925	0.000342191	0.00044885	0.00014374	0.135633215	3.58424E-06	0.000148719	0.000871501	0.003296018	0.000159328
2056 Mar	0.000287796	0.001497198	0.165866628	1.73316E-05	2.010083437	4.864881516	0.044782285	0.000474098	19.66843605	0.00266254	0.016297566	0.000342391	0.000449074	0.000143818	0.135714471	3.58608E-06	0.000148799	0.000871998	0.003297655	0.00015941
2056 Apr	0.000288773	0.001502163	0.166420996	1.73888E-05	2.016769648	4.881072521	0.044934686	0.000475663	19.73338318	0.002671348	0.01635142	0.00034354	0.000450554	0.000144293	0.136168227	3.5979E-06	0.00014929	0.000874914	0.003308514	0.000159934
2056 May	0.000350917	0.001586445	0.184363022	1.75976E-05	2.169364691	5.299924374	0.055600729	0.000491426	20.42131805	0.002778908	0.016820438	0.000438302	0.000455082	0.000154738	0.151585117	3.63704E-06	0.000153227	0.000972268	0.003319593	0.000159811
2056 Jun	0.000562461	0.001667012	0.233646914	1.58678E-05	2.470812559	6.023612022	0.093122445	0.000434459	18.76083755	0.00278008	0.016247042	0.000781645	0.000416243	0.000172093	0.191685483	3.26721E-06	0.000141752	0.001279292	0.002965303	0.000125466
2056 Jul	0.000592047	0.001760359	0.247765735	1.69505E-05	2.610209942	6.294196129	0.097983621	0.000449435	19.38467789	0.002926106	0.017302064	0.00082275	0.00044164	0.000180441	0.201662228	3.48723E-06	0.000148665	0.001356513	0.003176679	0.000128071
2056 Aug	0.000604339	0.001838299	0.25629431	1.78554E-05	2.705140352	6.503146648	0.099708892	0.000471468	20.15926552	0.003039471	0.018114332	0.000837298	0.000456649	0.000186551	0.207800671	3.6704E-06	0.000154849	0.001383043	0.003315306	0.000132728
2056 Sep	0.000617449	0.001904516	0.263453096	1.85402E-05	2.789689779	6.717516899	0.101613194	0.000497756	20.96707153	0.003138692	0.018778823	0.000852049	0.000468795	0.000192241	0.213774055	3.80885E-06	0.00016079	0.001410096	0.003419111	0.000137696
2056 Oct	0.000584062	0.00187795	0.252341568	1.8194E-05	2.707981825	6.638125896	0.095478185	0.000522386	21.51804352	0.003093753	0.018428782	0.000797275	0.000455331	0.000188298	0.206813797	3.73927E-06	0.000161739	0.001327472	0.003306216	0.000144894
2056 Nov	0.000576847	0.001874196	0.249970302	1.81277E-05	2.691796303	6.629907131	0.094127648	0.000529687	21.69228745	0.003087234	0.018368544	0.000785074	0.000452597	0.000187605	0.205438435	3.72606E-06	0.000162258	0.00130933	0.003281901	0.000146945
2056 Dec	0.000577292	0.001876234	0.250194222	1.81472E-05	2.694376945	6.637106419	0.09419319	0.000530544	21.71931458	0.003090233	0.018388672	0.000785587	0.000452975	0.000187781	0.205628261	3.72998E-06	0.000162448	0.001310264	0.0032849	0.000147109
2057 Jan	0.000577524	0.00187714	0.250300735	1.81554E-05	2.69555974	6.640426159	0.094228715	0.000530906	21.7311058	0.003091556	0.018397324	0.000785832	0.000453137	0.000187858	0.205718502	3.73163E-06	0.000162529	0.001310728	0.003286155	0.000147176
2057 Feb	0.000577703	0.001877698	0.250374407	1.81601E-05	2.696336269	6.642595768	0.094257653	0.000531098	21.73821259	0.00309239	0.018402409	0.000786017	0.000453242	0.000187907	0.205780566	3.73259E-06	0.000162576	0.001311081	0.003286909	0.000147216
2057 Mar	0.000578244	0.001879395	0.250604272	1.81762E-05	2.698787928	6.64866209	0.094346128	0.000531575	21.75766373	0.003095159	0.01841886	0.000786726	0.000453641	0.000188074	0.205969647	3.73589E-06	0.000162721	0.001312284	0.003289801	0.000147344
2057 Apr	0.000580292	0.001886007	0.251488596	1.824E-05	2.708295107	6.672080994	0.094680369	0.00053344	21.83400726	0.003106037	0.018483559	0.000789497	0.000455232	0.000188734	0.206696421	3.749E-06	0.000163292	0.001316917	0.003301336	0.000147859
2057 May	0.000594988	0.001932544	0.257242441	1.85932E-05	2.771123171	6.870508671	0.097063839	0.000551278	22.57409096	0.003180301	0.018874878	0.00080959	0.00046437	0.00019363	0.211909682	3.82055E-06	0.000167584	0.001344688	0.003356259	0.000152724
2057 Jun	0.000527326	0.0016638	0.227107823	1.62792E-05	2.415905952	5.966060162	0.086792044	0.000450245	19.38849449	0.002784588	0.016526669	0.000725239	0.000425682	0.000168974	0.185121089	3.33439E-06	0.000144264	0.001234336	0.003041852	0.000129085
2057 Jul	0.00049793	0.001640587	0.22186929	1.67456E-05	2.37527442	5.733466625	0.08178021	0.000433793	18.76695824	0.00277168	0.016765244	0.000679139	0.000439472	0.000164656	0.178505823	3.43172E-06	0.000143649	0.001218481	0.003183705	0.000127035
2057 Aug	0.000526333	0.001740556	0.235092491	1.77997E-05	2.518040895	6.067109108	0.086379975	0.000461096	19.85232925	0.00293675	0.017802812	0.000717043	0.000465015	0.000174313	0.189013556	3.64699E-06	0.000152267	0.001287752	0.003377944	0.000134079
2057 Sep	0.000540896	0.001817073	0.24379319	1.87063E-05	2.619355917	6.318389893	0.088573292	0.000488354	20.79298782	0.003058739	0.018657761	0.000733483	0.00048484	0.000181053	0.195811242	3.82915E-06	0.000159362	0.001329197	0.003539298	0.000139519
2057 Oct	0.000551619	0.001897661	0.25141561	1.96097E-05	2.715284648	6.622432232	0.090060361	0.000523761	22.14623833	0.003188299	0.019524196	0.000743641	0.000506428	0.000188236	0.202171937	4.01009E-06	0.000167794	0.001363169	0.003696879	0.000148299
2057 Nov	0.000553559	0.001909842	0.252595961	1.97373E-05	2.730062723	6.669255257	0.090342872	0.000529046	22.35323143	0.00320837	0.019649323	0.000745712	0.000509612	0.000189372	0.203199118	4.03588E-06	0.000169074	0.001368592	0.003719038	0.00014974
2057 Dec	0.000553867	0.001911354	0.252760559	1.9753E-05	2.731997728	6.674880981	0.090389848	0.000529638	22.37586403	0.003210815	0.019664889	0.000746077	0.000509993	0.000189513	0.203337371	4.03905E-06	0.000169223	0.001369389	0.003721786	0.000149891
2058 Jan	0.000554031	0.001912182	0.252846688	1.97611E-05	2.73302865	6.678387642	0.09041559	0.000529983	22.39083481	0.003212175	0.019672971	0.000746242	0.000510213	0.000189592	0.203412741	4.04069E-06	0.000169308	0.001369809	0.003723219	0.00014999
2058 Feb	0.000554169	0.001912666	0.252906382	1.97656E-05	2.73368597	6.680481434	0.090438195	0.000530151	22.39883041	0.003212975	0.019677488	0.000746379	0.000510339	0.000189638	0.203463867	4.04158E-06	0.000169354	0.001370122	0.00372402	0.000150041
2058 Mar	0.000554359	0.00191328	0.252989262	1.97716E-05	2.734568596	6.682741165	0.090469494	0.000530324	22.40631676	0.003213991	0.019683594	0.000746612	0.000510497	0.000189697	0.203531295	4.04281E-06	0.000169408	0.00137057	0.003725142	0.000150089
2058 Apr	0.000555612	0.001917563	0.25355801	1.98157E-05	2.740701675	6.697727203	0.090674184	0.000531506	22.4562912	0.003221174	0.019727549	0.000748288	0.000511634	0.000190121	0.203988954	4.05182E-06	0.000169786	0.001373652	0.00373344	0.000150422
2058 May	0.000606166	0.002004299	0.263872325	1.95395E-05	2.859876871	7.567586899	0.100257583	0.000570179	26.71382332	0.003451101	0.019664839	0.000837275	0.000544211	0.000209802	0.219100744	3.99941E-06	0.000181814	0.001450759	0.00369831	0.000186
2058 Jun	0.000679309	0.001858738	0.258921951	1.53794E-05	2.735895634	8.027882576	0.115707181	0.000503791	28.69985771	0.003333693	0.016226592	0.000993348	0.000509295	0.00021772	0.225897804	3.16341E-06	0.000169068	0.001491176	0.002977674	0.000207282
2058 Jul	0.0006662	0.001857839	0.257612407	1.57628E-05	2.732513428	7.875394821	0.113291875	0.000496283	28.09675789	0.003336027	0.016494999	0.000970289	0.000515577	0.000215534	0.223332927	3.24878E-06	0.000169283	0.001486111	0.003070167	0.000205337
2058 Aug	0.000702909	0.00198534	0.274638534	1.70895E-05	2.912191391	8.332429886	0.119306289	0.000530227	29.61987495	0.003541912	0.017784363	0.001020912	0.000547924	0.000228075	0.236696586	3.51649E-06	0.000179963	0.001572861	0.003310671	0.000214132
2058 Sep	0.000672572	0.001992967	0.267641604	1.73705E-05	2.883333445	8.262426376	0.113422155	0.000562693	29.98197365	0.003542562	0.017960371	0.000965427	0.000542187	0.000225768	0.232096523	3.57741E-06	0.000183309	0.001506919	0.003310371	0.000219564
2058 Oct	0.000639939	0.001979223	0.258253962	1.72866E-05	2.822263956	8.140904427	0.107158922	0.000591628	30.15874863	0.003504339	0.017872196	0.000907437	0.00052906	0.000221352	0.225841179	3.5633E-06	0.000184949	0.00143108	0.003242341	0.000223707
2058 Nov	0.000637874	0.001982799	0.257815629	1.73151E-05	2.822250128	8.150788307	0.106719948	0.000596875	30.2741375	0.003509034	0.017905178	0.000903157	0.000528854	0.000221436	0.225717172	3.56942E-06	0.000185653	0.001425915	0.00324138	0.000224867
2058 Dec	0.000638131	0.001984162	0.25795266	1.7328E-05	2.823907375	8.155777931	0.106756106	0.000597525	30.29419518	0.003511028	0.017918661	0.000903425	0.000529103	0.000221551	0.225837931	3.57201E-06	0.000185788	0.001426463	0.003243315	0.000224993
2059 Jan	0.000638307	0.001984982	0.258039147	1.73354E-05	2.824922085	8.158925056	0.106781766	0.00059791	30.30640793	0.003512205	0.017926538	0.000903582	0.000529248	0.000221619	0.225914001	3.57349E-06	0.000185867	0.001426816	0.003244411	0.000225065
2059 Feb	0.000638451	0.001985442	0.258097649	1.73391E-05	2.825551271	8.160809517	0.10680484	0.000598085	30.31292725	0.003512895	0.01793067	0.000903719	0.000529335	0.000221659	0.225964665	3.57425E-06	0.000185907	0.001427098	0.003245007	0.000225103
2059 Mar	0.00063853	0.001985697	0.258129954	1.73412E-05	2.825898647	8.161851883	0.106817529	0.000598182	30.31654358	0.003513276	0.017932957	0.000903794	0.000529383	0.000221681	0.22599262	3.57467E-06	0.00018593	0.001427253	0.003245338	0.000225123
2059 Apr	0.000640205	0.001990892	0.258806258	1.73865E-05	2.833292961	8.183206558	0.107097626	0.00059975	30.39562035	0.003522439	0.017979842	0.000906147	0.000530759	0.000222258	0.226584435	3.584E-06	0.000186415	0.001430985	0.003253787	0.000225708
2059 May	0.000661721	0.002041186	0.26557222	1.76065E-05	2.903904438	8.445262909	0.110696897	0.000620832	31.3584404	0.003602952	0.018300174	0.00093734	0.000538554	0.000228345	0.233295232	3.62839E-06	0.000191054	0.001465371	0.003279368	0.000232073
2059 Jun	0.000732615	0.002081389	0.283253342	1.72251E-05	3.018339396	8.713648796	0.123081945	0.000612127	30.89707184	0.00361683	0.018315624	0.001049226	0.000526873	0.000234453	0.247462571	3.53951E-06	0.000188479	0.001571128	0.003188444	0.000219614
2059 Jul	0.000779292	0.002212694	0.302196145	1.84385E-05	3.212932825	9.221199989	0.130900964	0.000645515	32.50661087	0.003836216	0.019574234	0.001115701	0.000560665	0.000248392	0.262926519	3.78604E-06	0.00019954	0.001676891	0.003418503	0.000229506
2059 Aug	0.000814677	0.002318085	0.316402644	1.93571E-05	3.364560604	9.641180992	0.136780724	0.00067685	33.95962143	0.004013514	0.020528547	0.001165573	0.00058585	0.000259758	0.275095552	3.97371E-06	0.000208807	0.001752167	0.003582374	0.000239299
2059 Sep	0.000839026	0.002416507	0.328130454	2.03387E-05	3.496317863	9.992661476	0.140506983	0.000715988	35.18004608	0.004158975	0.021525204	0.001194958	0.000605126	0.000268538	0.284821808	4.16999E-06	0.000217574	0.001805168	0.003740114	0.000245677
2059 Oct	0.000722261	0.002256348	0.291032225	1.91625E-05	3.171795368	9.131946564	0.118961573	0.000744341	33.24238586	0.003828961	0.020339467	0.001000249	0.000539938	0.000242267	0.25546515	3.92405E-06	0.00020858	0.001546513	0.003401949	0.00023439
2059 Nov	0.00070367	0.002234676	0.2852754	1.89976E-05	3.123060942	8.997556686	0.115440845	0.00075261	32.94346619	0.003778904	0.020191297	0.000968073	0.000528674	0.000238079	0.250995785	3.88961E-06	0.000207569	0.001503959	0.003346404	0.000232695

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.000703771	0.002235736	0.285354912	1.90072E-05	3.124170303	9.000873566	0.115447335	0.000753288	32.95814133	0.003780251	0.020202165	0.000968072	0.000528778	0.000238147	0.251072139	3.89154E-06	0.000207682	0.001504111	0.00334752	0.000232787
2060 Jan	0.000703829	0.002236123	0.285387129	1.90103E-05	3.124592781	9.00216198	0.115453549	0.00075353	32.96357346	0.003780749	0.02020585	0.000968065	0.000528809	0.000238169	0.251103967	3.89215E-06	0.000207722	0.001504188	0.003347837	0.000232822
2060 Feb	0.000703973	0.002236576	0.285443991	1.90137E-05	3.12520647	9.003936768	0.115476258	0.000753714	32.96963882	0.003781421	0.020209836	0.000968194	0.000528882	0.000238207	0.251154512	3.89285E-06	0.000207763	0.001504454	0.003348343	0.000232858
2060 Mar	0.000704306	0.002237579	0.285575777	1.9022E-05	3.126626015	9.007987022	0.115530998	0.000754047	32.98394394	0.00378309	0.020218801	0.000968624	0.000529109	0.00023831	0.251269966	3.89455E-06	0.000207854	0.001505147	0.003349786	0.000232956
2060 Apr	0.00070688	0.00224572	0.286617428	1.90911E-05	3.13801384	9.040765762	0.115953378	0.000756784	33.10361862	0.003796839	0.020292297	0.000972149	0.000531029	0.000239176	0.252185971	3.90869E-06	0.000208608	0.001510638	0.003361944	0.0002338
2060 May	0.000737761	0.002251068	0.293123782	1.86991E-05	3.170646429	9.156537056	0.121455126	0.000749918	32.94616699	0.003785704	0.020108996	0.001022778	0.000522778	0.000241302	0.257715315	3.82224E-06	0.000206458	0.001552213	0.003280898	0.000228497
2060 Jun	0.000761593	0.002013397	0.28851074	1.62926E-05	2.977497101	8.188973427	0.127360255	0.000576662	26.55934525	0.003353464	0.017828424	0.001087258	0.000463359	0.000220263	0.247124791	3.32519E-06	0.000172124	0.001583326	0.002938838	0.000172308
2060 Jul	0.000789653	0.002095064	0.300440401	1.71228E-05	3.101192951	8.469861984	0.132060781	0.000593402	27.39050293	0.00349421	0.018663434	0.001126942	0.000486476	0.000228725	0.256547481	3.49672E-06	0.000178968	0.001652249	0.003104538	0.000178177
2060 Aug	0.00080334	0.002178083	0.309250027	1.81571E-05	3.214516878	8.701993942	0.133989826	0.000625564	28.21988106	0.003622201	0.019560723	0.001140135	0.000502296	0.000235871	0.263800144	3.70614E-06	0.000186086	0.001682384	0.003263945	0.000182859
2060 Sep	0.0006807	0.00203869	0.271935284	1.77984E-05	2.955989361	7.896913052	0.11191415	0.000658199	26.77420235	0.003389549	0.018552367	0.00093595	0.000450935	0.000216269	0.236603841	3.63684E-06	0.000179107	0.00140906	0.003061322	0.000178636
2060 Oct	0.000629808	0.00199614	0.256275147	1.75116E-05	2.843745232	7.658259869	0.102411285	0.000691491	26.7819652	0.003305084	0.018216189	0.000848355	0.000428821	0.000208399	0.225852773	3.57901E-06	0.00017922	0.001292526	0.002939773	0.000181967
2060 Nov	0.000612706	0.001985575	0.251005918	1.74104E-05	2.806996822	7.607043266	0.099194877	0.00070616	26.97097206	0.003284143	0.01812052	0.000818778	0.000422537	0.000206184	0.222445756	3.55859E-06	0.000179985	0.00125342	0.002897625	0.000184733
2060 Dec	0.000612803	0.001986887	0.25108707	1.74219E-05	2.808360815	7.611769199	0.099199936	0.000707042	26.99504662	0.003286115	0.018132828	0.00081875	0.00042271	0.000206289	0.222541422	3.56094E-06	0.000180138	0.001253525	0.002898952	0.000184917
2061 Jan	0.000612735	0.001987041	0.251069903	1.74225E-05	2.808367252	7.6124897	0.099185199	0.000707278	27.00138092	0.003286344	0.018133808	0.000818555	0.000422701	0.000206293	0.222540513	3.56107E-06	0.000180169	0.001253324	0.002898795	0.000184975
2061 Feb	0.000612778	0.001987215	0.251084626	1.74233E-05	2.80856657	7.613334179	0.099191397	0.000707392	27.00522041	0.00328661	0.018134957	0.000818537	0.000422717	0.000206304	0.222558632	3.56123E-06	0.000180189	0.001253367	0.002898832	0.000185004
2061 Mar	0.000612968	0.001987836	0.251161277	1.74285E-05	2.809428453	7.615764141	0.099221759	0.000707634	27.01387215	0.003287598	0.01814048	0.00081875	0.000422834	0.000206363	0.222627789	3.56229E-06	0.000180245	0.001253732	0.002899635	0.00018506
2061 Apr	0.000615125	0.001994803	0.252043039	1.74894E-05	2.819280386	7.642485142	0.099571019	0.000710113	27.10847092	0.003299107	0.018203959	0.000821612	0.00042431	0.000207085	0.223409459	3.57473E-06	0.000180876	0.001258133	0.002909755	0.000185707
2061 May	0.00067575	0.002059379	0.267236441	1.73258E-05	2.940733433	8.190458298	0.11076799	0.000708042	28.91835403	0.003442098	0.018310519	0.000925166	0.000447841	0.000220374	0.237726763	3.54366E-06	0.000185912	0.001371626	0.002925238	0.000198956
2061 Jun	0.000689069	0.001852917	0.258209616	1.47793E-05	2.743505955	7.614924431	0.115480132	0.000545945	25.72944641	0.003178588	0.015993213	0.000982995	0.000433593	0.000208519	0.227464095	3.05291E-06	0.000163449	0.001416954	0.002660332	0.000183832
2061 Jul	0.000723089	0.001962373	0.273478627	1.59318E-05	2.904802322	7.988844872	0.121158108	0.000568567	26.91846275	0.003368383	0.01712846	0.001030826	0.000466026	0.000219708	0.239408866	3.29186E-06	0.000172926	0.00150446	0.002891516	0.000192727
2061 Aug	0.000755965	0.002058692	0.286652356	1.67731E-05	3.044544697	8.357402802	0.126595169	0.000596389	28.13665581	0.003527474	0.01800295	0.00107696	0.00048772	0.000229887	0.250594467	3.46422E-06	0.000181136	0.001572835	0.003038396	0.000200883
2061 Sep	0.000784673	0.002167089	0.300207168	1.78822E-05	3.193593025	8.76044178	0.131186903	0.000632972	29.54483795	0.003696699	0.019091079	0.001114482	0.000512865	0.000240309	0.261620939	3.68674E-06	0.000190621	0.001638524	0.003229335	0.000208703
2061 Oct	0.000690791	0.002094002	0.27189371	1.73828E-05	2.983392477	8.43493557	0.114110865	0.000679546	30.37294006	0.00358498	0.018493054	0.000960743	0.000491971	0.00022833	0.241668552	3.59125E-06	0.000192835	0.001445769	0.00306877	0.000224027
2061 Nov	0.00065683	0.00206477	0.261446774	1.71453E-05	2.9031744	8.287127495	0.107826285	0.000698201	30.48127747	0.003531252	0.01825778	0.000903804	0.000480133	0.000223095	0.234257102	3.54418E-06	0.000193141	0.00137255	0.002991564	0.000227654
2061 Dec	0.000656834	0.002065736	0.261488795	1.71535E-05	2.904033184	8.29060936	0.107817121	0.000698908	30.50110245	0.003532697	0.018266957	0.000903671	0.000480265	0.000223166	0.234314382	3.54586E-06	0.000193265	0.001372514	0.002992476	0.000227816
2062 Jan	0.000656795	0.002066019	0.261485934	1.71552E-05	2.904194593	8.291787148	0.107806727	0.000699187	30.50934219	0.003533139	0.018269215	0.000903514	0.00048029	0.000223181	0.2343252	3.54623E-06	0.000193309	0.001372388	0.002992534	0.000227891
2062 Feb	0.000656959	0.002066553	0.261550993	1.71593E-05	2.904910564	8.293988228	0.107832879	0.000699405	30.51734543	0.003533959	0.018273823	0.000903665	0.000480386	0.000223228	0.23438409	3.54705E-06	0.000193358	0.001372697	0.002993146	0.000227943
2062 Mar	0.000657657	0.002068724	0.261826605	1.7177E-05	2.907959461	8.30273819	0.107947275	0.000700147	30.54934692	0.003537641	0.018292883	0.000904588	0.000480879	0.000223458	0.234631374	3.55072E-06	0.000193561	0.001374136	0.00299621	0.000228179
2062 Apr	0.000660103	0.002076375	0.262798369	1.72404E-05	2.918730736	8.333456039	0.108349092	0.000702728	30.66195679	0.003550709	0.018360469	0.000907937	0.000482653	0.000224282	0.235501453	3.56382E-06	0.000194275	0.001379239	0.003007262	0.000229018
2062 May	0.000666982	0.002097993	0.2655361	1.74199E-05	2.94912672	8.420219421	0.109478332	0.00071004	30.98098946	0.003587669	0.018551609	0.000917394	0.000487676	0.000226617	0.237954408	3.60091E-06	0.000196296	0.001393609	0.003038563	0.0002314
2062 Jun	0.000451048	0.001687305	0.20274286	1.62193E-05	2.319358587	6.377661228	0.073226281	0.000561615	24.80867004	0.002984602	0.01640586	0.000598338	0.000457604	0.000176181	0.176307216	3.34042E-06	0.000164883	0.001096053	0.003014304	0.000191672
2062 Jul	0.00034578	0.001490764	0.174664646	1.60494E-05	2.032574892	5.262902737	0.05568872	0.000465887	21.04520607	0.002705678	0.01562936	0.000444333	0.000453391	0.00015115	0.146073177	3.30485E-06	0.000148567	0.000973134	0.00311718	0.000168268
2062 Aug	0.000335243	0.001536347	0.175758958	1.67579E-05	2.06899929	5.29297924	0.053340331	0.000487672	21.4005127	0.002758029	0.0161044	0.000423088	0.000453142	0.00015302	0.146623537	3.44923E-06	0.000151962	0.000937893	0.003178473	0.000171034
2062 Sep	0.000316458	0.001539248	0.168927297	1.65782E-05	2.041075468	5.27696228	0.049344946	0.000532518	21.80760384	0.002729947	0.015911505	0.000384672	0.000427213	0.000151362	0.144260824	3.41192E-06	0.000153561	0.000854804	0.003029983	0.000174522
2062 Oct	0.000270439	0.001522514	0.147475451	1.49868E-05	1.903938651	5.14888525	0.038747475	0.000659884	22.47572327	0.002582798	0.015071007	0.000283234	0.00034439	0.000141099	0.136159807	3.10624E-06	0.000159001	0.000644411	0.002463287	0.000187586
2062 Nov	0.000270935	0.001542711	0.148216859	1.50952E-05	1.920365334	5.19875288	0.038470071	0.00067867	22.72280884	0.002601084	0.015251575	0.000279204	0.000342013	0.000141802	0.137376547	3.1294E-06	0.000161405	0.000638767	0.002457638	0.000189631
2062 Dec	0.000271158	0.001544438	0.148361713	1.5111E-05	1.922292113	5.203999996	0.038491979	0.000679683	22.74458694	0.002603353	0.015269163	0.000279307	0.000342198	0.000141919	0.137511522	3.1326E-06	0.000161582	0.000639139	0.002459573	0.000189774
2063 Jan	0.000271254	0.001544938	0.148404822	1.51143E-05	1.922855616	5.205760002	0.038503934	0.000679991	22.75185013	0.002604017	0.015273476	0.000279346	0.000342232	0.000141953	0.137556806	3.13328E-06	0.000161635	0.000639257	0.002459861	0.000189828
2063 Feb	0.000271369	0.001545322	0.148449808	1.5117E-05	1.923361421	5.207203865	0.038521402	0.000680165	22.75691795	0.002604575	0.015276778	0.00027943	0.000342283	0.000141982	0.137598515	3.13385E-06	0.00016167	0.000639451	0.002460219	0.000189862
2063 Mar	0.000271487	0.001545842	0.148505583	1.51217E-05	1.924027801	5.208997726	0.038538724	0.000680392	22.76382828	0.00260538	0.01528177	0.000279531	0.000342377	0.000142025	0.137648687	3.13481E-06	0.000161721	0.000639691	0.002460933	0.000189912
2063 Apr	0.000272059	0.00154901	0.148813665	1.51525E-05	1.927985907	5.21969986	0.038620532	0.000681781	22.81007385	0.002610689	0.015313004	0.000280112	0.00034307	0.000142314	0.137933299	3.14119E-06	0.00016205	0.000641021	0.002465926	0.000190294
2063 May	0.000335127	0.001630773	0.167725891	1.54703E-05	2.084648848	5.607329369	0.049599651	0.000685855	23.28171349	0.002724405	0.015865728	0.000377858	0.000354853	0.000152646	0.153208613	3.20467E-06	0.00016564	0.000755364	0.002529249	0.000189183
2063 Jun	0.000532238	0.00157181	0.214676991	1.40184E-05	2.306873083	5.714438915	0.087633863	0.000442351	18.50688553	0.002660372	0.014817392	0.000734108	0.000378733	0.000163889	0.182167709	2.91813E-06	0.000138836	0.001176498	0.0025871	0.000140202
2063 Jul	0.000478523	0.001510616	0.201471969	1.4294E-05	2.20294714	5.340676785	0.078703068	0.000412232	17.87226295	0.002620795	0.014724685	0.000654323	0.000395319	0.000156772	0.169444546	2.98559E-06	0.000136959	0.001123509	0.002720948	0.000143288
2063 Aug	0.000501785	0.001602878	0.213087395	1.5308E-05	2.331933022	5.634951591	0.08240176	0.000438576	18.86899376	0.002772814	0.01569991	0.000684305	0.000418768	0.000165423	0.178630948	3.19291E-06	0.000145039	0.001181859	0.002904624	0.000150059
2063 Sep	0.00050502	0.001684659	0.219419971	1.64235E-05	2.429902077	5.884133339	0.082510531	0.000477987	20.09531021	0.002908631	0.016638942	0.000680839	0.000439045	0.000172351	0.184095472	3.41666E-06	0.000153505	0.001198899	0.00308418	0.000158192
2063 Oct	0.000474354	0.001674223	0.209282488	1.62079E-05	2.369004011	5.913164139	0.076884814	0.000513022	21.24781418	0.002904242	0.016393682	0.000629703	0.000431909	0.000171115	0.178855628	3.3738E-06	0.000156806	0.001122502	0.002995489	0.000170486
2063 Nov	0.000470976	0.001678435	0.208366394	1.62268E-05	2.366975784	5.937069893	0.076211452	0.000521051	21.4951725	0.002911949	0.016414275	0.000623302	0.000431769	0.000171398	0.178604171	3.37776E-06	0.000157867	0.001113545	0.002989711	0.000172821
2063 Dec	0.000471399	0.001680574	0.208590403	1.62482E-05	2.369693756	5.944662094	0.076273471	0.000521973	21.52545929	0.002915301	0.016435901	0.000623767	0.000432229	0.00017159	0.178799242	3.3821E-06	0.000158078	0.001114536	0.0029932	0.000173028
2064 Jan	0.000471626	0.001681697	0.208707437	1.62591E-05	2.37110424	5.948935509	0.076306947	0.000522479	21.54260063	0.002917014	0.016446963	0.000623978	0.00043246	0.000171687	0.178902209	3.38429E-06	0.000158188	0.001115038	0.00299492	0.000173136
2064 Feb	0.000471834	0.001682434	0.208797738	1.62658E-05	2.372113943	5.951802254	0.076340236	0.00052275	21.55295563	0.002918188	0.016453916	0.000624191	0.000432621	0.000171755	0.178980261	3.38565E-06	0.000158256	0.001115483	0.002996049	0.000173203
2064 Mar	0.000472433	0.001684492	0.20905757	1.62853E-05	2.37503314	5.959145069	0.076437391	0.000523384	21.5790062	0.002921725	0.016473865	0.000624957	0.000433139	0.000171962	0.179202572	3.38972E-06	0.000158447	0.001116871	0.002999638	0.000173408
2064 Apr	0.00047348	0.001688176	0.209517866	1.63208E-05	2.380241632	5.972207546	0.076607086	0.000524522	21.62595367	0.0029281	0.016509797	0.000626329	0.000434081	0.000172337	0.179596826	3.3971E-06	0.000158792	0.001119331	0.00300616	0.000173783
2064 May	0.000538991	0.001781673	0.226728305	1.63592E-05	2.534151316	6.667069435	0.088405021	0.000548213	24.10740089	0.003106007	0.016798833	0.000733624	0.000455253	0.000188495	0.196746051	3.39899E-06	0.000166416	0.001226719	0.003013329	0.000189239
2064 Jun	0.00067861	0.001812775	0.255546838	1.47346E-05	2.69990015	7.421698093	0.114475645	0.000491682	25.14320946	0.003179236	0.015824389	0.000978006	0.000456394	0.000206524	0.222907186	3.0579E-06	0.00016066	0.001443831	0.002770704	0.000187822
2064 Jul	0.000702127	0.001909252	0.268594116	1.592E-05	2.8349418 64	7.690470219	0.118254811	0.00050904	25.93783569	0.003334998	0.016932221	0.00100966	0.000484291	0.000214926	0.231986344	3.2997E-06	0.000168399	0.001511474	0.002999026	0.000192659
2064 Aug	0.000690937	0.001949353	0.269500077	1.65808E-05	2.861643791	7.733016968	0.11593236	0.000525287	26.42064285	0.003390155	0.017415689	0.000989142	0.000491026	0.000216579	0.231949642	3.43368E-06	0.00017213	0.001489523	0.003084486	0.000196828
2064 Sep	0.000614566	0.001905474	0.247818127	1.65669E-05	2.722591162	7.460974693	0.1018814	0.000574843	26.90807343	0.00330791	0.017056845	0.000860669	0.000464621	0.000208116	0.21718204	3.42702E-06	0.000173039	0.00130941	0.002959735	0.000204015
2064 Oct	0.000597528	0.001915063	0.243371487	1.66543E-05	2.705183983	7.495019913	0.098529011	0.000604311	27.58819389	0.003320001	0.017129552	0.000828922	0.000461105	0.000207806	0.215081081	3.44383E-06	0.000176233	0.001267281	0.002935738	0.000210409
2064 Nov	0.000599461	0.001921463	0.24417226	1.67104E-05	2.714127302	7.51948452	0.098843992	0.000606426	27.67787361	0.003330881	0.017187558	0.000831552	0.000462579	0.00020848	0.215787217	3.4554E-06	0.000176822	0.001271355	0.002945406	0.000211084
2064 Dec	0.000599653	0.001922293	0.244261935	1.67178E-05	2.715191603	7.522567272	0.098872945	0.000606784	27.68994331	0.00333217	0.017195335	0.000831781	0.000462736	0.000208558	0.215867937	3.45692E-06	0.000176902	0.00127174	0.002946544	0.000211167
2065 Jan	0.000599823	0.001923106	0.244342059	1.67248E-05	2.716188908	7.526052475	0.098898657	0.000607176	27.70475769	0.003333433	0.017202497	0.000831955	0.000462894	0.000208635	0.215944424	3.45832E-06	0.000176985	0.00127206	0.002947557	0.000211267
2065 Feb	0.000600011	0.00192373	0.24441804	1.67299E-05	2.717041969	7.528666973	0.098929241	0.000607407	27.71459198	0.003334453	0.017207881	0.000832173	0.000463027	0.000208698	0.216013029	3.45937E-06	0.000177043	0.001272429	0.002948391	0.000211335
2065 Mar	0.000600825	0.001926295	0.244747087	1.6752E-05	2.720679045	7.538722038	0.099063635	0.00060821	27.75120163	0.003338881	0.017230749	0.000833285	0.000463639	0.000208974	0.216303274	3.46395E-06	0.000177277	0.001274145	0.002952288	0.000211612
2065 Apr	0.000603159	0.00193375	0.245696247	1.68168E-05	2.7312181	7.56790781	0.099448532	0.000610559	27.85839844	0.003351793	0.017297395	0.000836511	0.00046543	0.000209782	0.217141792	3.47733E-06	0.000177962	0.001279088	0.002963695	0.000212428
2065 May	0.000640617	0.002041536	0.256177813	1.71475E-05	2.862453938	8.364663124	0.106172539	0.000667875	31.77763176	0.003582855	0.017772432	0.000896193	0.000498445	0.000227228	0.230773523	3.54145E-06	0.000191739	0.00134243	0.00301828	0.000242903
2065 Jun	0.000662587	0.001872545	0.252791226	1.52142E-05	2.720782518	7.853732586	0.111584902	0.000550407	28.3521347	0.003321095	0.016113713	0.000952621	0.000473649	0.000215087	0.224480227	3.14124E-06	0.00017076	0.001398207	0.002797972	0.0002129
2065 Jul	0.000671977	0.001924939	0.259289354	1.59712E-05	2.796634436	7.978016376	0.113123231	0.000557535	28.81857109	0.003427297	0.016795976	0.000964215	0.000496288	0.000220055	0.229034007	3.3006E-06	0.000176015	0.00144137	0.002967585	0.000218343
2065 Aug	0.000711172	0.002060866	0.27679196	1.73273E-05	2.988908768	8.489091873	0.119538836	0.000599444	30.61356926	0.003652129	0.018120464	0.001017451	0.00052975	0.000233981	0.243573174	3.57518E-06	0.000187943	0.001530172	0.003207852	0.000229691
2065 Sep	0.000648865	0.002048383	0.260776222	1.7588E-05	2.897852659	8.326812744	0.107756495	0.000656113	31.27522469	0.00361639	0.018220549	0.00090694	0.000517064	0.000227656	0.232623532	3.62721E-06	0.000192399	0.001401286	0.003174992	0.000237932
2065 Oct	0.000498455	0.001896726	0.21324943	1.61898E-05	2.514990091	7.470267296	0.079256617	0.000748809	30.35467529	0.00327358	0.017034823	0.000646138	0.000434266	0.000198081	0.198251307	3.33965E-06	0.000189439	0.001052221	0.00270808	0.000238435
2065 Nov	0.000479991	0.001891299	0.207916528	1.61E-05	2.477808714	7.399476528	0.075531386	0.000772123	30.42516708	0.003244504	0.017017655	0.000611179	0.000423349	0.0001949	0.194747329	3.32084E-06	0.000190683	0.001006525	0.00265131	0.00023988
2065 Dec	0.000480008	0.00189214	0.2079584	1.6107E-05	2.478568554	7.402076721	0.075523905	0.000772764	30.43881416	0.003245574	0.017026016	0.00061106	0.000423405	0.000194948	0.194798172	3.32226E-06	0.000190784	0.001006479	0.002651946	0.000239983
2066 Jan	0.000480052	0.001892613	0.207986176	1.61102E-05	2.479023218	7.403795719	0.075526379	0.000773108	30.44754982	0.003246236	0.017030135	0.000611009	0.000423441	0.000194978	0.194833383	3.32292E-06	0.00019084	0.0010065	0.002652196	0.000240053
2066 Feb	0.000480318	0.001893526	0.208093822	1.61175E-05	2.480246305	7.407399178	0.075568542	0.000773475	30.46123123	0.003247723	0.017038131	0.000611291	0.00042362	0.000195064	0.194932535	3.32441E-06	0.000190927	0.001007018	0.002653333	0.000240154
2066 Mar	0.000481319	0.001897354	0.208521724	1.61498E-05	2.485296726	7.422402859	0.07572674	0.000775019	30.5220623	0.003254261	0.01707245	0.000612541	0.000424469	0.000195456	0.195331484	3.33107E-06	0.00019131	0.0010091	0.00265865	0.000240629
2066 Apr	0.000482607	0.001902365	0.209076464	1.61923E-05	2.49187994	7.442018986	0.075929798	0.000777054	30.60223198	0.003262839	0.017117459	0.000614167	0.000425585	0.000195971	0.195850044	3.33984E-06	0.000191813	0.00101179	0.002665645	0.000241259
2066 May	0.000492567	0.001932443	0.212952003	1.64207E-05	2.533257008	7.560173988	0.077517375	0.000788717	31.00265312	0.003308717	0.017383086	0.000627351	0.000430829	0.000198919	0.199280173	3.38619E-06	0.000194501	0.001030818	0.002700835	0.000243795
2066 Jun	0.00045831	0.001643932	0.198709965	1.50677E-05	2.26101923	6.195136547	0.074100062	0.000562313	23.77804947	0.002877804	0.015606027	0.000607472	0.000418365	0.000171078	0.175200179	3.11045E-06	0.00015942	0.001058762	0.002731713	0.000186963
2066 Jul	0.00045393	0.001704429	0.205752507	1.65662E-05	2.347477913	6.230669022	0.073390074	0.000555212	23.98523521	0.003018271	0.016783519	0.000598024	0.000462071	0.000175512	0.177485004	3.41982E-06	0.000165716	0.001116131	0.003092185	0.000190885
2066 Aug	0.000478644	0.00182445	0.219822079	1.79513E-05	2.506759644	6.621875286	0.077230766	0.000592182	25.45981026	0.003216192	0.01808786	0.000628548	0.000494468	0.000186473	0.188397899	3.70015E-06	0.000176655	0.001184485	0.003343261	0.000200588
2066 Sep	0.00047038	0.001863354	0.21962972	1.8399E-05	2.533679724	6.774848938	0.075487345	0.000622634	26.57378197	0.003284897	0.018453684	0.000611322	0.000502892	0.000189776	0.189398691	3.79129E-06	0.00018221	0.001167228	0.003397208	0.000210145
2066 Oct	0.000433582	0.001834974	0.206247881	1.78532E-05	2.438186407	6.751665115	0.068732314	0.000657701	27.62637138	0.003241688	0.017942734	0.00055137	0.000486238	0.000186398	0.181975946	3.68263E-06	0.000184138	0.001067353	0.003231336	0.000222424

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.000424334	0.001830461	0.202700853	1.76889E-05	2.414330721	6.769090652	0.066987984	0.000671196	28.04061508	0.003234632	0.017811913	0.000535725	0.000481527	0.000185829	0.180305481	3.64958E-06	0.000185187	0.00104002	0.003179661	0.000226752
2066 Dec	0.000424732	0.001832788	0.202924609	1.77114E-05	2.417129517	6.777574062	0.067043439	0.000672289	28.0768795	0.00323826	0.017835116	0.000536126	0.000482016	0.000186034	0.180506274	3.65414E-06	0.000185428	0.001040952	0.003183226	0.00022701
2067 Jan	0.000424957	0.001833964	0.203041688	1.77222E-05	2.418553591	6.782086849	0.067075655	0.000672846	28.09557152	0.003240034	0.017846514	0.000536323	0.000482247	0.000186133	0.180611283	3.65633E-06	0.000185547	0.001041437	0.003184895	0.000227134
2067 Feb	0.000425199	0.001834847	0.203147203	1.77301E-05	2.419744492	6.785494328	0.067114353	0.000673169	28.10847282	0.003241494	0.017854786	0.000536578	0.000482451	0.000186216	0.180703878	3.65794E-06	0.000185631	0.001041967	0.003186249	0.000227227
2067 Mar	0.000425657	0.001836707	0.203359142	1.77477E-05	2.42222476	6.792424202	0.06718725	0.00067384	28.13639069	0.003244742	0.017872702	0.000537132	0.000482927	0.000186402	0.180891439	3.66157E-06	0.000185815	0.001043056	0.0031894	0.000227448
2067 Apr	0.000426594	0.001840675	0.203802332	1.77859E-05	2.427476406	6.807121277	0.067335494	0.000675287	28.1967926	0.003251734	0.017911209	0.000538302	0.000483964	0.000186803	0.181285053	3.66944E-06	0.000186215	0.001045333	0.00319625	0.000227934
2067 May	0.000477962	0.001927803	0.21900019	1.80625E-05	2.565915585	7.2849617	0.076154083	0.000701386	29.57986832	0.003380897	0.018410197	0.000616473	0.000495084	0.000197956	0.19515945	3.72177E-06	0.000192414	0.001127981	0.003225045	0.000234469
2067 Jun	0.000621085	0.001906979	0.251279891	1.65859E-05	2.712506771	7.476715565	0.102490246	0.000594981	26.604002	0.003268707	0.017519863	0.000861411	0.000466762	0.000203828	0.217592612	3.39897E-06	0.000173764	0.001357604	0.003002426	0.000192193
2067 Jul	0.000661377	0.00202997	0.268901408	1.78352E-05	2.892139435	7.914600849	0.109195203	0.000623113	27.96425056	0.003472703	0.018769164	0.000918374	0.000499657	0.00021624	0.231326208	3.65177E-06	0.000183858	0.001454199	0.003240627	0.000200314
2067 Aug	0.000688263	0.00215105	0.283532858	1.91262E-05	3.045932531	8.331867218	0.113483682	0.000653724	29.53584862	0.003661321	0.019960839	0.000956094	0.000528526	0.000227451	0.242282018	3.91096E-06	0.000193734	0.001515036	0.003456824	0.000209856
2067 Sep	0.000679183	0.002181805	0.282669187	1.94788E-05	3.062577009	8.455574036	0.111643098	0.00068003	30.50340652	0.003713061	0.020212142	0.000938842	0.000532822	0.000230444	0.242657155	3.98121E-06	0.000197982	0.001490322	0.00348486	0.000217785
2067 Oct	0.000583381	0.002049993	0.249586388	1.81832E-05	2.785156012	7.940483093	0.094392583	0.000709515	30.30928612	0.003485542	0.018875586	0.000785621	0.000485003	0.000212772	0.219232619	3.71655E-06	0.000192767	0.001264841	0.003145138	0.000222725
2067 Nov	0.000567223	0.002039411	0.244489253	1.80527E-05	2.748008728	7.887720108	0.091304548	0.000724824	30.45513344	0.00345994	0.018769318	0.000757276	0.000476956	0.000210368	0.215940893	3.68945E-06	0.000193327	0.00122524	0.003093044	0.000224796
2067 Dec	0.000567764	0.002042084	0.244760737	1.80767E-05	2.751270533	7.89743948	0.091381706	0.000726079	30.49441147	0.003463937	0.018794917	0.000757864	0.000477427	0.0002106	0.216185078	3.6943E-06	0.000193591	0.001226322	0.003096567	0.000225062
2068 Jan	0.000568074	0.002043504	0.244908676	1.80889E-05	2.753015041	7.902788162	0.09142676	0.000726748	30.51544189	0.003466002	0.01880819	0.000758162	0.000477662	0.000210719	0.216318235	3.69676E-06	0.000193728	0.001226911	0.003098309	0.000225197
2068 Feb	0.000568331	0.002044388	0.245014727	1.8096E-05	2.754191399	7.906326294	0.091467664	0.000727098	30.52861404	0.003467394	0.018815992	0.000758429	0.000477831	0.0002108	0.216413289	3.6982E-06	0.00019381	0.001227409	0.003099413	0.000225286
2068 Mar	0.000569373	0.002048053	0.245458245	1.81281E-05	2.759148598	7.920553207	0.091635585	0.000728396	30.58299637	0.003473582	0.018849518	0.000759785	0.000478676	0.000211175	0.216804981	3.70475E-06	0.000194155	0.001229633	0.003104883	0.000225684
2068 Apr	0.000573457	0.002062681	0.24721545	1.82574E-05	2.778876543	7.977146626	0.09229321	0.000733589	30.80103493	0.003498377	0.018984064	0.000765219	0.00048209	0.000212681	0.218356401	3.73118E-06	0.00019554	0.001238441	0.003127026	0.000227291
2068 May	0.000615088	0.002100454	0.258401155	1.824E-05	2.863919497	8.216024399	0.099681199	0.00073157	31.04025841	0.003549612	0.01914156	0.000831584	0.000486085	0.000218662	0.227639347	3.72407E-06	0.000196332	0.001310358	0.003129363	0.00022529
2068 Jun	0.000630172	0.001766657	0.244576946	1.48243E-05	2.581142187	7.03174448	0.105333045	0.000501746	24.03507996	0.003056003	0.015834104	0.000895935	0.000434892	0.000194654	0.211113468	3.04776E-06	0.00015631	0.001351878	0.002729986	0.000174575
2068 Jul	0.000621458	0.001826713	0.248726547	1.60448E-05	2.649060965	7.140329838	0.103781655	0.00050924	24.89378166	0.003196164	0.016786819	0.000880002	0.000472004	0.000199756	0.212849498	3.30195E-06	0.000163801	0.001381635	0.003006563	0.000184867
2068 Aug	0.000650771	0.001937495	0.262426227	1.71574E-05	2.800758362	7.541594505	0.108540103	0.000542285	26.38472366	0.003383616	0.017868398	0.000919719	0.000500205	0.00021095	0.224180922	3.52876E-06	0.000173758	0.001449902	0.003204708	0.000195444
2068 Sep	0.000638151	0.002001922	0.263027996	1.7968E-05	2.848450184	7.753903389	0.105751395	0.000590296	27.8832283	0.003484786	0.018550383	0.00089168	0.000512235	0.000215428	0.225820303	3.69158E-06	0.000182167	0.001425312	0.003305371	0.00020732
2068 Oct	0.000620124	0.00200837	0.258408695	1.8048E-05	2.826513052	7.7684412	0.10227517	0.000614775	28.48209763	0.003493087	0.018607261	0.000859458	0.000509681	0.000214762	0.223245963	3.70811E-06	0.00018497	0.001383833	0.003286863	0.000213506
2068 Nov	0.000620771	0.002014833	0.258865923	1.81055E-05	2.83341074	7.79261446	0.102343023	0.000618467	28.60587692	0.003503719	0.018666983	0.000859802	0.000510902	0.000215337	0.223740488	3.7199E-06	0.000185715	0.001385072	0.003294763	0.000214522
2068 Dec	0.000621054	0.002015891	0.258993328	1.81153E-05	2.834834337	7.796322823	0.102387108	0.000618857	28.61919403	0.003505406	0.018677277	0.000860159	0.000511123	0.000215436	0.223849446	3.72189E-06	0.000185813	0.001385685	0.003296388	0.000214615
2069 Jan	0.00062125	0.002016745	0.259087116	1.81232E-05	2.835917711	7.799602985	0.102416791	0.000619216	28.63196373	0.003506705	0.018685425	0.000860361	0.000511295	0.000215511	0.223931	3.72347E-06	0.000185894	0.001386098	0.003297627	0.000214697
2069 Feb	0.00062145	0.002017398	0.259170294	1.81288E-05	2.836818933	7.802211285	0.102449335	0.00061944	28.64128113	0.003507755	0.018691378	0.000860586	0.000511439	0.000215573	0.22400263	3.72462E-06	0.000185953	0.001386515	0.003298583	0.000214758
2069 Mar	0.000621565	0.002017762	0.259217411	1.81319E-05	2.837325811	7.803657055	0.10246814	0.00061956	28.64637947	0.003508345	0.018694678	0.000860718	0.00051152	0.000215608	0.224043161	3.72526E-06	0.000185985	0.001386755	0.003299118	0.000214792
2069 Apr	0.000622687	0.002021383	0.259683996	1.81644E-05	2.842423439	7.81768465	0.102653079	0.000620672	28.69766808	0.003514624	0.018728187	0.000862257	0.000512433	0.000215994	0.224446222	3.73192E-06	0.000186318	0.001389248	0.003305009	0.000215174
2069 May	0.000635117	0.002063676	0.264837861	1.85243E-05	2.899911165	7.991005898	0.104683459	0.00063559	29.36688995	0.003586676	0.019105406	0.000879251	0.0005225	0.000220514	0.229045331	3.80545E-06	0.000190332	0.001415636	0.003367206	0.00022005
2069 Jun	0.000500974	0.001735009	0.220135331	1.67463E-05	2.427397966	6.583927631	0.082572438	0.000523139	24.73558426	0.003079043	0.016866846	0.000686752	0.000479669	0.000183802	0.186874345	3.42505E-06	0.000162968	0.001209206	0.003158151	0.000185377
2069 Jul	0.000476449	0.001728043	0.217896208	1.74942E-05	2.412241697	6.392742157	0.07838691	0.000507874	24.16480064	0.003090511	0.01735088	0.000647532	0.000499266	0.000180735	0.181911767	3.57407E-06	0.000163193	0.001210233	0.00335653	0.000181646
2069 Aug	0.000485259	0.001814577	0.226202503	1.86248E-05	2.518517494	6.657643318	0.079558037	0.00053834	25.35898781	0.003236192	0.018329518	0.000655117	0.000523491	0.000188306	0.188295409	3.80199E-06	0.000171519	0.001242504	0.003553059	0.000189905
2069 Sep	0.000431314	0.001748097	0.206612453	1.77859E-05	2.367569208	6.370100021	0.069409408	0.000576864	25.21568871	0.003093734	0.01752539	0.0005629	0.000481358	0.000178197	0.175850049	3.63213E-06	0.000169145	0.001089311	0.003282297	0.000192038
2069 Oct	0.000356558	0.00166895	0.179103747	1.63654E-05	2.149779797	5.889790058	0.054215733	0.000664515	24.4053154	0.002843604	0.016551852	0.000421924	0.000398052	0.00015974	0.158710182	3.34491E-06	0.000167085	0.000853054	0.002789155	0.000189227
2069 Nov	0.000348304	0.001681946	0.176945925	1.63458E-05	2.142804623	5.868466854	0.052072961	0.000694993	24.44278908	0.002829696	0.016670398	0.00040026	0.000384815	0.000157882	0.157957867	3.34162E-06	0.00016925	0.000819934	0.002729228	0.000189693
2069 Dec	0.000348516	0.001683603	0.17708911	1.63614E-05	2.144658327	5.873056412	0.052092344	0.000695965	24.46067047	0.002831761	0.016687907	0.000400339	0.000384964	0.000157984	0.158085585	3.34477E-06	0.000169414	0.000820289	0.002731116	0.000189799
2070 Jan	0.000348571	0.001683923	0.177114204	1.63632E-05	2.144988537	5.873920441	0.052096974	0.00069621	24.46361351	0.002832048	0.016690731	0.000400306	0.000384933	0.000157993	0.158112556	3.34512E-06	0.000169445	0.000820296	0.002731083	0.000189815
2070 Feb	0.000348656	0.001684139	0.177142724	1.63641E-05	2.1452806	5.874707699	0.052109886	0.000696322	24.46560097	0.002832286	0.01669235	0.000400341	0.000384929	0.000158003	0.158139303	3.34532E-06	0.000169462	0.000820403	0.002731097	0.000189823
2070 Mar	0.000348921	0.001685294	0.177268505	1.63748E-05	2.146767855	5.878763199	0.05214972	0.000696804	24.48171425	0.002834167	0.016703531	0.000400613	0.000385168	0.000158106	0.158251807	3.34749E-06	0.000169576	0.000820978	0.002732812	0.000189944
2070 Apr	0.000350329	0.001691778	0.177965194	1.64371E-05	2.155102253	5.901501179	0.052362267	0.000699446	24.57468033	0.002845022	0.016767401	0.000402194	0.000386632	0.000158711	0.158871517	3.36023E-06	0.000170221	0.000824232	0.002743197	0.000190657
2070 May	0.000406156	0.00175735	0.19436954	1.66405E-05	2.287395716	6.19546175	0.062030558	0.000700462	24.68254662	0.002926009	0.017193148	0.000487931	0.000392072	0.000166691	0.171959445	3.40068E-06	0.000172242	0.000921221	0.002777704	0.000186942
2070 Jun	0.000587696	0.001815139	0.239934608	1.58392E-05	2.577646017	6.674312592	0.095287055	0.000588409	22.46195602	0.002986902	0.016987743	0.000793113	0.000397328	0.000183524	0.205628037	3.24258E-06	0.000160872	0.001249384	0.002745331	0.000157304
2070 Jul	0.000628458	0.001932375	0.257824242	1.71008E-05	2.755959988	7.066235065	0.102117956	0.000609571	23.51113701	0.003180135	0.01823815	0.000851105	0.000430278	0.000195155	0.21903652	3.49856E-06	0.000169992	0.001351237	0.002995717	0.00016287
2070 Aug	0.000660581	0.002050146	0.27322799	1.83211E-05	2.917458773	7.461259842	0.107283317	0.000640659	24.81200409	0.003363793	0.019418495	0.000894953	0.00045713	0.00020616	0.230941683	3.74487E-06	0.000179504	0.00142328	0.003205142	0.00017041
2070 Sep	0.000586756	0.001966234	0.249614179	1.76962E-05	2.729823351	7.106213093	0.094061077	0.000662114	24.85896301	0.003225686	0.018629547	0.000777449	0.000429747	0.000194803	0.213861719	3.61839E-06	0.000176912	0.001258329	0.003020881	0.000175938
2070 Oct	0.000510057	0.001879118	0.224840239	1.68996E-05	2.526319027	6.659543514	0.079726592	0.000700784	24.34274292	0.00304086	0.017891569	0.000647456	0.000387424	0.000179676	0.195815295	3.45465E-06	0.000174125	0.001079218	0.002773406	0.000175751
2070 Nov	0.000502765	0.001873405	0.222602397	1.68431E-05	2.509115458	6.620082855	0.078309335	0.000706891	24.30561256	0.003025288	0.017850989	0.000634346	0.000383046	0.000178259	0.194239482	3.44299E-06	0.000174151	0.001061652	0.002750239	0.000175809
2070 Dec	0.00050303	0.001875014	0.222758204	1.68583E-05	2.511001587	6.624860287	0.078340389	0.000707749	24.32298279	0.003027316	0.017867796	0.000634542	0.000383221	0.000178366	0.194372758	3.44604E-06	0.000174303	0.001062136	0.002752207	0.000175902
2071 Jan	0.000503192	0.001875806	0.222841874	1.68655E-05	2.511966467	6.627328873	0.078361735	0.000708152	24.33128738	0.003028301	0.017875828	0.000634656	0.000383303	0.000178417	0.194443822	3.44747E-06	0.000174375	0.001062424	0.002753119	0.000175942
2071 Feb	0.000503306	0.001876192	0.222889677	1.68686E-05	2.512476921	6.628663063	0.078378625	0.000708322	24.335289	0.003028795	0.017879464	0.000634737	0.000383345	0.000178443	0.194484383	3.44809E-06	0.000174407	0.001062622	0.002753525	0.000175959
2071 Mar	0.000503405	0.001876543	0.22293137	1.68714E-05	2.512942076	6.629935265	0.078393921	0.000708467	24.33981895	0.003029329	0.017882669	0.000634832	0.000383403	0.000178473	0.194521576	3.44867E-06	0.00017444	0.00106281	0.002753947	0.00017599
2071 Apr	0.00050426	0.00187969	0.223307416	1.68996E-05	2.517166853	6.641079903	0.078527309	0.000709651	24.38047409	0.003034399	0.01791257	0.000635897	0.000384042	0.000178771	0.194849581	3.45442E-06	0.000174731	0.001064605	0.002758533	0.000176283
2071 May	0.000542897	0.001913567	0.233558327	1.68588E-05	2.595253706	6.848775387	0.085379593	0.000706106	24.53011703	0.003080188	0.018039871	0.000697564	0.000387262	0.00018417	0.203374982	3.44524E-06	0.000175358	0.001130902	0.002757222	0.00017459
2071 Jun	0.000628782	0.001783909	0.247970372	1.52084E-05	2.601943254	6.616818428	0.103279367	0.000527642	21.08014297	0.002940501	0.016461946	0.000870076	0.000392723	0.000184447	0.210602656	3.12079E-06	0.000152865	0.001323388	0.002684527	0.000145771
2071 Jul	0.000621489	0.001797634	0.249158889	1.58168E-05	2.623993397	6.58933115	0.102212012	0.000516919	21.13532448	0.002999419	0.016881812	0.000859523	0.000415095	0.000185864	0.210101783	3.24904E-06	0.000155097	0.0013452	0.00285256	0.000148939
2071 Aug	0.000649276	0.001898199	0.26232633	1.68969E-05	2.76736021	6.915846825	0.106647834	0.000546801	22.16893387	0.003160008	0.017931163	0.000895609	0.000438395	0.000195286	0.22056666	3.4676E-06	0.000163522	0.001410213	0.003041863	0.000154932
2071 Sep	0.000600113	0.001876611	0.249444038	1.71472E-05	2.696022511	6.740650654	0.097667888	0.000577299	22.44834328	0.003131235	0.017897064	0.000811689	0.000430218	0.000190688	0.211606428	3.51844E-06	0.000165152	0.001309793	0.003034574	0.000159906
2071 Oct	0.000554847	0.001835564	0.235395297	1.68382E-05	2.590456486	6.521332741	0.089221112	0.000604931	22.40237999	0.003046616	0.017564628	0.000734336	0.000409418	0.000183201	0.201729923	3.45522E-06	0.000164784	0.0012058	0.002917315	0.000162066
2071 Nov	0.00053077	0.001836486	0.229016289	1.68565E-05	2.552848339	6.46242094	0.084363714	0.000638853	22.6612606	0.003023248	0.017628381	0.000688345	0.000397694	0.00017999	0.197691619	3.45749E-06	0.000167159	0.001146887	0.002865051	0.000164838
2071 Dec	0.000529391	0.001837448	0.228699669	1.68659E-05	2.551497698	6.460941792	0.084070988	0.000641521	22.68483162	0.003022785	0.017642187	0.000685514	0.000397001	0.000179835	0.197509125	3.45928E-06	0.000167393	0.001143393	0.00286268	0.000165043
2072 Jan	0.000529427	0.001837865	0.228727818	1.68692E-05	2.551912308	6.46212101	0.084071703	0.000641828	22.68991852	0.003023241	0.017646305	0.000685429	0.000397002	0.000179851	0.197538584	3.45995E-06	0.000167437	0.001143392	0.002862917	0.000165073
2072 Feb	0.000529517	0.001838146	0.228761569	1.6871E-05	2.552278757	6.463168621	0.084085211	0.000641969	22.69327354	0.003023601	0.017648622	0.000685451	0.00039702	0.000179866	0.197570026	3.4603E-06	0.000167461	0.00114352	0.002863077	0.000165091
2072 Mar	0.000529668	0.001838647	0.228824735	1.68753E-05	2.55296731	6.464922905	0.084108546	0.000642165	22.69890785	0.00302434	0.017653355	0.000685593	0.0003971	0.000179906	0.1976244	3.46117E-06	0.000167504	0.001143811	0.002863724	0.000165124
2072 Apr	0.000531232	0.001844033	0.229497313	1.69245E-05	2.560454845	6.483895302	0.084357038	0.000644047	22.76521492	0.003033177	0.017704947	0.000687594	0.000398255	0.000180431	0.198205322	3.47126E-06	0.000167994	0.00114717	0.00287205	0.000165604
2072 May	0.000539278	0.001871838	0.232967064	1.71795E-05	2.599107265	6.581697941	0.085635707	0.000653729	23.10753441	0.00307888	0.017971804	0.000698016	0.000404253	0.000183151	0.201199695	3.52355E-06	0.000170522	0.001164531	0.002915328	0.000168087
2072 Jun	0.000413618	0.001640777	0.197525352	1.66704E-05	2.241582632	5.476079464	0.064690821	0.000567867	19.92605972	0.002747561	0.016879797	0.000513441	0.000397165	0.000155024	0.165657699	3.40589E-06	0.000153534	0.001006115	0.002960879	0.000146222
2072 Jul	0.000382261	0.001613512	0.192457452	1.71683E-05	2.190078259	5.232163429	0.059515961	0.000539108	19.29763222	0.00272727	0.017068366	0.000468927	0.000412323	0.000150422	0.158089474	3.50457E-06	0.000151507	0.000986147	0.003108745	0.00014279
2072 Aug	0.00034768	0.001596266	0.181997791	1.72412E-05	2.142893553	5.103151798	0.053204991	0.000565754	19.48736572	0.002694543	0.016734151	0.000411109	0.00038929	0.000148337	0.152323127	3.51805E-06	0.000150474	0.000873458	0.003005625	0.000145446
2072 Sep	0.000317781	0.001568951	0.170703307	1.69784E-05	2.088730097	4.953688145	0.047452055	0.000605145	19.39927864	0.002627684	0.016256493	0.000355459	0.000354435	0.000144692	0.147101596	3.46379E-06	0.000148979	0.000759633	0.002825839	0.00014523
2072 Oct	0.000286268	0.001520763	0.156264409	1.59211E-05	1.974472761	4.747038841	0.040976629	0.000649351	19.13856316	0.002497304	0.015515181	0.000295272	0.00030867	0.000136172	0.139379069	3.25492E-06	0.000147693	0.000643074	0.002515138	0.000146735
2072 Nov	0.000283176	0.001524689	0.15508306	1.58484E-05	1.968813419	4.745663643	0.040161636	0.000662175	19.21650887	0.002491608	0.015521464	0.000287133	0.000303002	0.000135495	0.139067993	3.24154E-06	0.000148691	0.00062909	0.002479813	0.000147929
2072 Dec	0.00028324	0.001525467	0.155130312	1.58542E-05	1.969586611	4.74798727	0.040163282	0.000662741	19.22768784	0.002492607	0.015528738	0.000287099	0.000303032	0.000135543	0.139124244	3.24274E-06	0.000148779	0.0006291	0.002480258	0.00014802
2073 Jan	0.000283319	0.001525854	0.155163974	1.58567E-05	1.970024347	4.749323368	0.04017299	0.000662988	19.23306656	0.002493107	0.015532018	0.000287122	0.000303049	0.000135568	0.139160097	3.24325E-06	0.000148819	0.000629184	0.002480428	0.00014806
2073 Feb	0.000283431	0.001526212	0.155208364	1.58594E-05	1.970512271	4.750597	0.04019013	0.000663144	19.23706436	0.002493605	0.015535197	0.000287201	0.00030309	0.000135594	0.139199838	3.2438E-06	0.00014885	0.000629372	0.002480778	0.000148083
2073 Mar	0.000283586	0.001526918	0.155284375	1.58662E-05	1.971437097	4.752883911	0.040212844	0.000663452	19.24570656	0.00249471	0.015542129	0.000287339	0.000303213	0.000135653	0.139268041	3.24519E-06	0.000148916	0.000629684	0.002481795	0.000148145
2073 Apr	0.000285454	0.001536874	0.156300724	1.59694E-05	1.984309196	4.783921719	0.04047833	0.000667768	19.37096596	0.002510964	0.01564334	0.000289225	0.000305186	0.000136537	0.140179038	3.2663E-06	0.000149886	0.000633816	0.002497938	0.000149107
2073 May	0.00039528	0.001688093	0.186499402	1.61948E-05	2.247164965	5.8008008	0.060291309	0.000684347	22.62822151	0.002804784	0.01630637	0.000469183	0.000348958	0.000161707	0.168037876	3.31612E-06	0.000161769	0.000839672	0.002593492	0.000172081
2073 Jun	0.000603803	0.001813087	0.238854244	1.53892E-05	2.60291338	7.018634319	0.09928859	0.000585773	24.57701111	0.003094249	0.01629189	0.000831723	0.000411435	0.000194461	0.210513145	3.16081E-06	0.000162855	0.001257156	0.002676801	0.000180727
2073 Jul	0.000614709	0.001855445	0.245143652	1.59699E-05	2.664945841	7.121554375	0.10114646	0.000586299	24.85845947	0.003171994	0.016812995	0.000847949	0.000427886	0.0001984	0.214533702	3.28072E-06	0.000166158	0.001294579	0.002803005	0.000183208
2073 Aug	0.000645624	0.001965131	0.259763509	1.71079E-05	2.817536354	7.478234768	0.106111951	0.000614642	25.97519112	0.003341768	0.017918777	0.000889984	0.000452157	0.000208544	0.225801334	3.51082E-06	0.000174844	0.001363217	0.002997651	0.000189536
2073 Sep	0.000624335	0.001973737	0.255268067	1.7375E-05	2.800231695	7.452457905	0.102062479	0.00063564	26.37788391	0.003351689	0.018061945	0.000852592	0.000450436	0.000207618	0.222735584	3.56549E-06	0.000177247	0.00131707	0.003009592	0.000189401

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.000549506	0.00190158	0.232018977	1.67769E-05	2.615332842	7.079086781	0.088158928	0.000674021	26.26702118	0.003204713	0.017472273	0.000726843	0.000417655	0.000194656	0.205824897	3.44414E-06	0.000176229	0.001149394	0.002812898	0.000197841
2073 Nov	0.000534924	0.001893373	0.227759838	1.67011E-05	2.583670855	7.018371582	0.085326582	0.000687415	26.29463768	0.003179572	0.017424686	0.00070067	0.000410464	0.000192168	0.202830285	3.42818E-06	0.000176698	0.001115555	0.002774763	0.000198693
2073 Dec	0.000535427	0.001895782	0.228013337	1.67233E-05	2.586669207	7.026468754	0.085397154	0.000688541	26.32506561	0.003183028	0.017448496	0.000701198	0.000410841	0.000192365	0.203052163	3.43267E-06	0.000176926	0.001116545	0.002777956	0.000198886
2074 Jan	0.000535522	0.001896446	0.228068143	1.67288E-05	2.587394476	7.028803349	0.085407853	0.000688939	26.33527756	0.003183931	0.017454762	0.000701218	0.000410916	0.00019241	0.20310615	3.43377E-06	0.000176996	0.001116687	0.002778587	0.000198956
2074 Feb	0.000535548	0.001896581	0.228076473	1.67292E-05	2.587522745	7.029471874	0.085411109	0.000689043	26.33867264	0.003184136	0.017455559	0.000701181	0.000410923	0.000192417	0.203118861	3.43385E-06	0.000177013	0.001116697	0.00277855	0.000198984
2074 Mar	0.000535863	0.001897644	0.228206962	1.67383E-05	2.588982582	7.033464432	0.085461564	0.000689429	26.35329056	0.003185897	0.017465184	0.000701565	0.000411144	0.000192522	0.203235149	3.43571E-06	0.00017711	0.001117336	0.002780034	0.000199092
2074 Apr	0.00053876	0.00190785	0.229437679	1.68281E-05	2.602923155	7.071314812	0.085923851	0.000693128	26.49471283	0.003203018	0.017559037	0.000705344	0.000413351	0.000193556	0.204330578	3.45416E-06	0.000178061	0.001123367	0.002794958	0.000200158
2074 May	0.00062899	0.001996547	0.25252682	1.67016E-05	2.786670923	7.818041325	0.102596648	0.000685392	28.65718651	0.003393248	0.017752916	0.000858233	0.000444866	0.000212089	0.225286201	3.42693E-06	0.000183527	0.001293471	0.002835999	0.000213479
2074 Jun	0.000712639	0.001879457	0.264157683	1.46374E-05	2.772580624	7.79379797	0.119882017	0.0005538716	26.68380928	0.003277692	0.016000144	0.001026313	0.000447546	0.000214385	0.232974753	3.01597E-06	0.000165232	0.001464117	0.002656876	0.000197402
2074 Jul	0.000748205	0.001985662	0.279797077	1.57648E-05	2.932338238	8.149309158	0.125831112	0.00055935	27.71651268	0.00345873	0.017117402	0.001076595	0.000477989	0.000225118	0.244984671	3.24656E-06	0.000173908	0.001553607	0.002881259	0.000204148
2074 Aug	0.000786085	0.002092382	0.294645905	1.66778E-05	3.088493109	8.564782143	0.132132426	0.000589796	29.09028625	0.00363794	0.018076127	0.001130179	0.000502447	0.000236633	0.257668436	3.43313E-06	0.000182983	0.001632391	0.003042535	0.000213557
2074 Sep	0.000763624	0.002150341	0.29231292	1.74891E-05	3.119360924	8.756607056	0.127566248	0.000645654	30.7386055	0.00373438	0.018745339	0.001084911	0.000514843	0.000240198	0.257455409	3.59706E-06	0.0001922	0.001592624	0.003144687	0.00022763
2074 Oct	0.000694062	0.002103608	0.271365672	1.71655E-05	2.970662355	8.542843819	0.1147542	0.000691974	31.50249672	0.003659643	0.018365346	0.000968143	0.000497114	0.000231745	0.243296966	3.5334E-06	0.000194767	0.001445012	0.003017692	0.000239631
2074 Nov	0.000685167	0.002101617	0.26868996	1.71343E-05	2.954104185	8.542346001	0.113093331	0.000701678	31.77280807	0.003658532	0.018336168	0.000952898	0.000495764	0.000231173	0.241757482	3.52736E-06	0.000195784	0.001425529	0.003001189	0.000242726
2074 Dec	0.000685229	0.002103118	0.268744022	1.71443E-05	2.955435991	8.550400734	0.113097064	0.000702747	31.82110596	0.003661523	0.01834701	0.000952881	0.000496156	0.000231347	0.24186492	3.52943E-06	0.000196002	0.001425619	0.003002519	0.000243158
2075 Jan	0.000685229	0.002103562	0.268750042	1.71466E-05	2.955770969	8.553165436	0.113095008	0.000703113	31.83846474	0.00366245	0.018349662	0.000952807	0.000496274	0.000231399	0.241894424	3.52991E-06	0.000196074	0.001425583	0.003002753	0.000243314
2075 Feb	0.000685355	0.002104057	0.268796474	1.71496E-05	2.956369638	8.555745125	0.113115773	0.000703356	31.850811	0.003663391	0.018353146	0.000952922	0.000496397	0.000231455	0.24194698	3.53054E-06	0.000196131	0.001425814	0.003003228	0.000243417
2075 Mar	0.000686055	0.002106161	0.269068092	1.71665E-05	2.959338188	8.564364433	0.113231599	0.000704055	31.88259888	0.00366704	0.018371338	0.000953868	0.000496887	0.000231684	0.242191464	3.53402E-06	0.000196326	0.001427256	0.003006173	0.000243658
2075 Apr	0.000689368	0.002116292	0.270365417	1.7249E-05	2.973588943	8.605571747	0.113778539	0.000707435	32.03562546	0.003684665	0.018459659	0.000958459	0.000499273	0.000232796	0.243358567	3.55099E-06	0.000197269	0.00143414	0.00302061	0.000244825
2075 May	0.000698811	0.002189796	0.273720056	1.75973E-05	3.042788982	9.12214756	0.115417346	0.000756252	35.00437927	0.003849151	0.018851474	0.000972045	0.000524547	0.000243768	0.24988851	3.62337E-06	0.00020843	0.001451457	0.003077316	0.000270624
2075 Jun	0.000471863	0.001751155	0.204983875	1.6034E-05	2.368130684	7.206577301	0.078066401	0.000599336	30.16530609	0.003270444	0.01622138	0.00064624	0.0005085	0.00019596	0.185565829	3.29128E-06	0.000177806	0.001141207	0.003032888	0.000244493
2075 Jul	0.000403902	0.001641689	0.189304292	1.63592E-05	2.209922314	6.475533962	0.066674449	0.000537256	27.62184906	0.00312408	0.01607533	0.000544884	0.000515012	0.000180613	0.166961819	3.35529E-06	0.000168662	0.001077522	0.003193864	0.000227857
2075 Aug	0.000411911	0.001713823	0.196806356	1.73286E-05	2.299200058	6.660885334	0.067722186	0.000558543	28.37852669	0.003239811	0.016923992	0.000552213	0.000534235	0.000186315	0.172206193	3.55113E-06	0.000175056	0.001106468	0.003362665	0.000232871
2075 Sep	0.000412541	0.001749849	0.199280232	1.77784E-05	2.338752747	6.754747391	0.067538835	0.000577581	28.84940338	0.003293162	0.017320946	0.000548794	0.000540151	0.000188871	0.174391687	3.64209E-06	0.000178693	0.00110832	0.003424874	0.000236213
2075 Oct	0.000394659	0.001738205	0.193416581	1.75761E-05	2.296324492	6.660923004	0.063948452	0.000597312	28.76562881	0.003247272	0.01715521	0.000515971	0.000522949	0.000185363	0.170670778	3.60167E-06	0.000178562	0.001051793	0.0033296	0.000236307
2075 Nov	0.000393976	0.001748697	0.193701342	1.76637E-05	2.304387569	6.689662933	0.063672327	0.000606407	28.93263626	0.003258536	0.017255532	0.000512844	0.00052265	0.000185831	0.171145245	3.61932E-06	0.000179796	0.001047902	0.003333231	0.000237523
2075 Dec	0.00039417	0.001750667	0.193854466	1.76829E-05	2.306528091	6.696176052	0.063689724	0.000607524	28.96281624	0.003261371	0.017275453	0.000512907	0.000522952	0.000185979	0.171290189	3.6232E-06	0.000180006	0.001048282	0.003335809	0.000237737
2076 Jan	0.000394244	0.001751117	0.193891168	1.76861E-05	2.307020903	6.697860718	0.063698836	0.000607798	28.97022629	0.003261981	0.017279239	0.000512913	0.000522988	0.00018601	0.171328932	3.62385E-06	0.000180052	0.001048356	0.003336092	0.000237789
2076 Feb	0.000394467	0.001751915	0.193986163	1.76931E-05	2.308094263	6.70102644	0.06373477	0.000608089	28.98260498	0.003263343	0.017286509	0.000513133	0.000523177	0.000186085	0.171413809	3.62528E-06	0.000180128	0.001048835	0.003337289	0.000237882
2076 Mar	0.000394881	0.00175359	0.194179624	1.77095E-05	2.310339928	6.707476616	0.063802227	0.000608654	29.00943375	0.003266416	0.017302783	0.000513641	0.000523659	0.00018626	0.171583712	3.62864E-06	0.000180296	0.001049881	0.003340368	0.000238097
2076 Apr	0.000396006	0.00175849	0.194726974	1.77588E-05	2.316819429	6.726243973	0.063984297	0.000610345	29.08997917	0.003275518	0.017351007	0.000515087	0.000525113	0.000186778	0.172066689	3.63873E-06	0.000180797	0.001052842	0.003349646	0.000238755
2076 May	0.000454683	0.001830503	0.211800158	1.7931E-05	2.455042601	7.054278374	0.074009106	0.000619033	29.26963425	0.003350954	0.017776344	0.000604211	0.000525191	0.000195002	0.185971707	3.67004E-06	0.000182918	0.001144527	0.003354302	0.000233986
2076 Jun	0.00060557	0.001743048	0.242288798	1.55278E-05	2.546505213	6.785160065	0.101199985	0.000481541	23.06765747	0.003028376	0.016225124	0.00085708	0.000447199	0.000189545	0.205091193	3.16876E-06	0.000152834	0.001349133	0.002906424	0.000163671
2076 Jul	0.000600471	0.00175573	0.243430629	1.598E-05	2.564081669	6.736280441	0.100307718	0.000475956	22.92070007	0.003065515	0.016563602	0.000848218	0.000459649	0.000189975	0.204812467	3.26413E-06	0.000154296	0.001360884	0.003017273	0.000164423
2076 Aug	0.00063612	0.001879012	0.260185748	1.73067E-05	2.740625143	7.137615204	0.10605491	0.000509202	24.13718224	0.003259747	0.017854029	0.000895807	0.000488572	0.000201481	0.217779011	3.53136E-06	0.000164228	0.001444408	0.003252341	0.000170843
2076 Sep	0.000641501	0.001931223	0.264685452	1.79072E-05	2.80295229	7.293838024	0.106638715	0.000534164	24.83680153	0.003340996	0.0184121	0.000898543	0.000498727	0.000205697	0.221735016	3.65313E-06	0.000169453	0.001457837	0.00334298	0.000175846
2076 Oct	0.000576686	0.001871982	0.243704021	1.73272E-05	2.646642447	7.012645721	0.094630368	0.000573098	25.07945061	0.003232024	0.017819813	0.000789721	0.000470295	0.000195923	0.20764941	3.54011E-06	0.000169608	0.001305351	0.003152371	0.000183787
2076 Nov	0.000564312	0.001866152	0.239940658	1.7256E-05	2.621111155	6.971601009	0.092237137	0.00058562	25.18474197	0.003215588	0.01776441	0.000767601	0.000464329	0.000194186	0.20525296	3.52624E-06	0.000170255	0.001274979	0.003116587	0.0001856
2076 Dec	0.000564672	0.001868076	0.240131617	1.7274E-05	2.623447657	6.978291988	0.0922869	0.000586542	25.21200371	0.003218476	0.017783439	0.000767964	0.000464672	0.000194348	0.2054241	3.52988E-06	0.000170447	0.001275735	0.003119264	0.000185788
2077 Jan	0.000564671	0.001868347	0.240138859	1.72756E-05	2.623662472	6.979391098	0.092283703	0.000586776	25.2185154	0.00321887	0.01778556	0.000767878	0.000464687	0.000194364	0.205440596	3.53022E-06	0.000170483	0.001275675	0.003119318	0.000185844
2077 Feb	0.000564811	0.001868785	0.240194455	1.72791E-05	2.624262094	6.98111105	0.092305973	0.000586943	25.22444916	0.003219541	0.017789437	0.000768005	0.000464766	0.000194402	0.205489561	3.53092E-06	0.000170522	0.001275942	0.003119853	0.000185882
2077 Mar	0.000565032	0.001869455	0.240284234	1.7285E-05	2.625220537	6.983661652	0.092342354	0.000587149	25.2332058	0.003220672	0.017795648	0.000768279	0.000464923	0.000194469	0.205566376	3.53213E-06	0.000170581	0.001276418	0.003120899	0.000185944
2077 Apr	0.000566962	0.001875796	0.241102085	1.73435E-05	2.634138584	7.007368565	0.092657924	0.000589134	25.31850624	0.003231581	0.017855916	0.000770889	0.000466494	0.000195127	0.206265762	3.54407E-06	0.000171158	0.001280764	0.003131449	0.00018657
2077 May	0.000600743	0.001919844	0.250526667	1.74025E-05	2.713353157	7.25568819	0.098510258	0.000597908	25.83242226	0.003291419	0.018071897	0.000823121	0.000470112	0.000201035	0.214572206	3.55415E-06	0.000173464	0.001334705	0.003132545	0.000187788
2077 Jun	0.000662319	0.001835728	0.258678436	1.57497E-05	2.698960543	7.161966801	0.110565148	0.000510959	23.73848915	0.003148646	0.016763028	0.000938766	0.000447488	0.00019957	0.220197931	3.21859E-06	0.000158548	0.001429419	0.002898053	0.000167072
2077 Jul	0.000685403	0.001923932	0.270943105	1.68819E-05	2.829070568	7.432834148	0.114423677	0.000526881	24.61955261	0.003310161	0.017820496	0.000970148	0.000479433	0.000208214	0.229077086	3.44902E-06	0.00016638	0.001504664	0.003138164	0.000173269
2077 Aug	0.000718261	0.002037335	0.285845786	1.8052E-05	2.991294622	7.831106186	0.119752787	0.000561146	25.94118118	0.003495495	0.018964075	0.001013952	0.000506534	0.000219414	0.241216645	3.68542E-06	0.000176054	0.001580063	0.003344859	0.000181318
2077 Sep	0.000616255	0.001938583	0.255278289	1.76968E-05	2.771897793	7.29565239	0.10114985	0.000605901	25.51543617	0.003315675	0.018263612	0.000842865	0.000467131	0.000203682	0.219050676	3.61051E-06	0.00017327	0.001355662	0.003163602	0.000182334
2077 Oct	0.000571714	0.001905495	0.241930231	1.745E-05	2.673650265	7.069705963	0.092595853	0.000641093	25.35157585	0.003228063	0.018036643	0.000763643	0.000442758	0.000195746	0.209629819	3.55899E-06	0.000173364	0.001249376	0.003041975	0.000182798
2077 Nov	0.000572221	0.00191085	0.242316887	1.74988E-05	2.679359436	7.086655617	0.092632301	0.000644473	25.43185043	0.003235698	0.018089954	0.00076367	0.00044339	0.000196131	0.21002838	3.56886E-06	0.00017395	0.001250136	0.003047801	0.000183397
2077 Dec	0.000572606	0.001912694	0.242511868	1.75163E-05	2.681688309	7.09292078	0.092686929	0.000645333	25.45549202	0.003238401	0.018108414	0.000764075	0.000443701	0.000196285	0.21019952	3.57239E-06	0.000174126	0.001250929	0.003050402	0.000183547
2078 Jan	0.000572812	0.001913583	0.242609948	1.75244E-05	2.682830334	7.096036911	0.092717014	0.000645742	25.4667511	0.003239674	0.018117117	0.000764267	0.000443842	0.000196357	0.21028541	3.57403E-06	0.000174209	0.001251334	0.003051582	0.000183614
2078 Feb	0.000572974	0.001914091	0.242675841	1.75287E-05	2.683540106	7.097947121	0.092742801	0.000645932	25.47297668	0.003240439	0.018121794	0.000764429	0.000443932	0.000196401	0.210342228	3.57489E-06	0.000174253	0.001251651	0.003052252	0.000183651
2078 Mar	0.000573175	0.001914752	0.242759705	1.75346E-05	2.68446064	7.100409031	0.092774831	0.000646169	25.48150635	0.0032415	0.018127995	0.000764664	0.000444068	0.000196463	0.210414842	3.57608E-06	0.000174312	0.001252067	0.003053224	0.000183708
2078 Apr	0.000576765	0.001926717	0.24427852	1.7644E-05	2.701243639	7.144795418	0.093356051	0.000650205	25.64052963	0.003261738	0.018241215	0.00076944	0.000446838	0.000197689	0.211731061	3.5984E-06	0.0001754	0.0012599	0.00307227	0.000184852
2078 May	0.0006683	0.001991582	0.266086608	1.71147E-05	2.856236219	7.752297878	0.110065103	0.000634614	26.87734795	0.003374871	0.018133083	0.000923838	0.000458259	0.000212257	0.231195703	3.48887E-06	0.000176718	0.001411429	0.003005565	0.000189404
2078 Jun	0.000727802	0.001882554	0.271875232	1.5098E-05	2.809575081	7.585799694	0.122133903	0.000523648	24.63652802	0.003218089	0.016463334	0.001043387	0.000436814	0.000210036	0.234941334	3.08943E-06	0.000159783	0.001503021	0.002732025	0.00017204
2078 Jul	0.000774631	0.002009878	0.290827721	1.62675E-05	2.999207497	8.045041084	0.129935935	0.000552633	25.96199036	0.003423756	0.017678116	0.001110357	0.000466498	0.000223076	0.250059128	3.32698E-06	0.000169715	0.001604552	0.00294546	0.000179865
2078 Aug	0.000808919	0.002138355	0.307567567	1.7592E-05	3.172742367	8.455201149	0.135396034	0.00058474	27.27158737	0.003616597	0.018940374	0.001157488	0.000492624	0.000234685	0.262773365	3.59447E-06	0.000179512	0.001675872	0.003160264	0.000187163
2078 Sep	0.000801268	0.002173128	0.307588637	1.80609E-05	3.201427698	8.548181534	0.133750409	0.000610075	28.00681305	0.003675068	0.019279441	0.001141009	0.000497264	0.000237361	0.263699651	3.69055E-06	0.000183759	0.001655621	0.003209754	0.000193783
2078 Oct	0.000759181	0.00214102	0.294139236	1.77824E-05	3.107317686	8.464375496	0.126244679	0.000634151	28.82493401	0.003642282	0.018908752	0.001073795	0.000489587	0.00023363	0.255148888	3.63657E-06	0.000185323	0.001564012	0.003123437	0.000204965
2078 Nov	0.000750178	0.002137811	0.291386098	1.77505E-05	3.090301275	8.46181488	0.124607421	0.000642093	29.09274864	0.003641492	0.018860448	0.001058957	0.000488554	0.000233155	0.253546089	3.63071E-06	0.000186157	0.001544178	0.003107893	0.000208178
2078 Dec	0.000750605	0.002139559	0.29158029	1.77659E-05	3.09254694	8.468607903	0.124672867	0.000642841	29.1188755	0.003644148	0.018876558	0.001059484	0.00048888	0.00023332	0.253718972	3.63381E-06	0.000186322	0.001545016	0.003110215	0.000208349
2079 Jan	0.000750902	0.002140761	0.291712582	1.77761E-05	3.094081879	8.47358799	0.124718733	0.000643365	29.13832283	0.003645957	0.018887302	0.001059817	0.000489105	0.000233433	0.253838211	3.63587E-06	0.000186436	0.001545579	0.003111739	0.000208474
2079 Feb	0.000751065	0.002141292	0.291778177	1.77803E-05	3.094798803	8.475879669	0.124745175	0.000643573	29.14660454	0.003646756	0.018891826	0.001059986	0.000489203	0.000233482	0.253896534	3.63671E-06	0.000186483	0.001545882	0.003112374	0.000208524
2079 Mar	0.000751585	0.002142766	0.291979253	1.77924E-05	3.096926212	8.48178196	0.124831378	0.000644025	29.16676521	0.003649228	0.018904747	0.00106069	0.000489531	0.000233639	0.254071534	3.63918E-06	0.000186611	0.001546936	0.003114459	0.000208664
2079 Apr	0.000754257	0.002150355	0.293015599	1.78553E-05	3.107905149	8.511829376	0.125275284	0.0006463	29.26979637	0.003662139	0.018971642	0.001064446	0.00049126	0.000234465	0.254972935	3.65205E-06	0.000187271	0.001552429	0.003125465	0.0002094
2079 May	0.000766447	0.002188395	0.297712862	1.8148E-05	3.160001516	8.679648399	0.127294958	0.000660125	29.92512131	0.003727849	0.019285729	0.00108156	0.00049998	0.000238765	0.259318918	3.7117E-06	0.000190871	0.001576506	0.00317439	0.000214223
2079 Jun	0.000548807	0.001721409	0.227596477	1.5843E-05	2.458557606	6.697728634	0.091385633	0.000502709	24.37327766	0.00306337	0.01618002	0.000768457	0.0004608	0.000187689	0.19491826	3.23394E-06	0.000156804	0.001258194	0.002967144	0.000181724
2079 Jul	0.000482381	0.001640563	0.2120886	1.62074E-05	2.321712017	6.148902416	0.08008597	0.000466093	22.95485115	0.002974326	0.016139487	0.000667142	0.000472042	0.000176042	0.178524956	3.3104E-06	0.000152411	0.001189372	0.003116429	0.000176165
2079 Aug	0.000497182	0.001733209	0.222422197	1.73579E-05	2.439201832	6.418441772	0.082282618	0.000492252	24.0229969	0.003126483	0.01718043	0.000684501	0.000497359	0.00018398	0.18606551	3.54284E-06	0.000160647	0.001234692	0.003321554	0.000183456
2079 Sep	0.000457332	0.001726298	0.211391389	1.73401E-05	2.372478008	6.307492733	0.074545719	0.000534385	24.43074417	0.0030865	0.017100191	0.000613397	0.000477883	0.000179405	0.17900081	3.53939E-06	0.000162903	0.001130266	0.003224398	0.000188776
2079 Oct	0.00042648	0.001718519	0.201404005	1.7031E-05	2.305891037	6.237878799	0.068251997	0.000582518	24.85132408	0.00303332	0.016932584	0.00055474	0.000453348	0.000174645	0.173373282	3.47623E-06	0.000165278	0.001038052	0.00307269	0.000193613
2079 Nov	0.000412282	0.001719388	0.196816102	1.68831E-05	2.277128696	6.215921402	0.065214574	0.000611525	25.09092331	0.003009042	0.016892543	0.000525891	0.00043992	0.000172348	0.171025023	3.44566E-06	0.000166972	0.000992578	0.002991887	0.000196045
2079 Dec	0.000401781	0.001720537	0.193420231	1.67702E-05	2.255942345	6.197764397	0.062935516	0.000634116	25.25291252	0.002990011	0.016869169	0.000504128	0.000429326	0.000170545	0.16930902	3.4223E-06	0.000168277	0.000958296	0.002929377	0.000197684
2080 Jan	0.000401788	0.001720833	0.193423614	1.67704E-05	2.256116629	6.19870472	0.062930033	0.00063448	25.25782204	0.002990179	0.016871044	0.000503966	0.000429231	0.000170544	0.169327185	3.42234E-06	0.000168313	0.000958108	0.002928829	0.000197719
2080 Feb	0.000401956	0.001721334	0.193485036	1.67734E-05	2.256775618	6.2006464	0.062955558	0.000634723	25.26413155	0.00299084	0.016875099	0.000504054	0.000429269	0.000170576	0.169384435	3.42295E-06	0.000168357	0.000958355	0.002929118	0.000197755
2080 Mar	0.000402078	0.001721738	0.193534359	1.67765E-05	2.257309914	6.202131271	0.062974244	0.000634899	25.26902199	0.002991401	0.016878698	0.00050414	0.00042932	0.000170605	0.169428125	3.42357E-06	0.000168392	0.000958567	0.002929521	0.000197783
2080 Apr	0.000403108	0.001726048	0.194023743	1.68181E-05	2.2629807	6.217677116	0.063135721	0.000636488	25.33152008	0.002998824	0.016920794	0.000505399	0.000430374	0.000171027	0.169855803	3.43205E-06	0.00016881	0.000960985	0.002936743	0.000198267
2080 May	0.000409703	0.001752454	0.19710049	1.70727E-05	2.298157454	6.312953472	0.064178549	0.000645913	25.70616341	0.003044252	0.017178711	0.000513824	0.000436857	0.000173649	0.172522217	3.48396E-06	0.000171336	0.000976404	0.002981288	0.000201128
2080 Jun	0.000332915	0.001555398	0.173018754	1.62913E-05	2.035055637	5.380714893	0.051710784	0.000557893	22.24119949	0.002750353	0.016082061	0.000404167	0.00042311	0.000151119	0.147579893	3.32131E-06	0.000154479	0.000887908	0.002964657	0.000176308
2080 Jul	0.0003008	0.001491922	0.166006923	1.64789E-05	1.954036951	4.975270271	0.046675064	0.000505229	20.73346329	0.002679579	0.015958406	0.000361525	0.000433176	0.000143587	0.137907624	3.3614E-06	0.000148422	0.000870538	0.003082247	0.00016723
2080 Aug	0.000305078	0.001556793	0.172228619	1.73442E-05	2.027059555	5.105652809	0.047033355	0.000521913	21.2861042	0.002773399	0.016673837	0.000364529	0.000445411	0.000148056	0.141890898	3.53649E-06	0.000153358	0.000880813	0.003210378	0.000170873

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.000293604	0.001563473	0.168342322	1.73346E-05	2.019585371	5.099246979	0.044612184	0.000549306	21.53400612	0.002761678	0.016541714	0.000341716	0.000426771	0.000147874	0.140866503	3.53426E-06	0.000153894	0.000819442	0.003115241	0.000172683
2080 Oct	0.000283237	0.001566948	0.163452551	1.7006E-05	1.994407058	5.122766972	0.042125765	0.000589249	21.94591331	0.002730788	0.016352141	0.000317585	0.000403824	0.000146316	0.139623538	3.46699E-06	0.000155557	0.000760285	0.002964162	0.000175963
2080 Nov	0.000277348	0.001577084	0.160274565	1.67501E-05	1.98116684	5.185483456	0.040521365	0.000625229	22.50055122	0.002722364	0.016266502	0.00030147	0.000388909	0.000145886	0.139436722	3.41551E-06	0.000158155	0.000721492	0.002852531	0.000180965
2080 Dec	0.000277157	0.001579434	0.160188735	1.67466E-05	1.982056022	5.194916725	0.040431883	0.000628705	22.56113625	0.002724049	0.016276976	0.000300459	0.00038806	0.000145971	0.139554396	3.41483E-06	0.00015851	0.00071917	0.002846523	0.000181477
2081 Jan	0.000277294	0.001580079	0.160248235	1.6751E-05	1.982802987	5.197278976	0.040449962	0.000629093	22.57058907	0.002724901	0.016282462	0.000300526	0.000388104	0.000146016	0.139615163	3.41572E-06	0.000158574	0.000719336	0.002846901	0.000181541
2081 Feb	0.000277437	0.001580489	0.160299733	1.67535E-05	1.983356714	5.198945045	0.040472291	0.000629279	22.57611275	0.002725472	0.016285704	0.000300625	0.000388144	0.000146046	0.139663294	3.41623E-06	0.00015861	0.000719555	0.002847175	0.000181574
2081 Mar	0.000277584	0.001581073	0.160366863	1.67589E-05	1.984126806	5.201008797	0.040494945	0.000629505	22.58400154	0.002726426	0.016291281	0.000300759	0.000388266	0.000146097	0.139722243	3.41733E-06	0.000158664	0.000719865	0.002848047	0.000181632
2081 Apr	0.000278731	0.001587044	0.160993844	1.68211E-05	1.991729021	5.220860481	0.040665686	0.00063183	22.66762352	0.002736644	0.016352173	0.000301962	0.000389704	0.000146643	0.140266225	3.43E-06	0.000159253	0.000722724	0.002858587	0.000182293
2081 May	0.000418018	0.001730424	0.199199691	1.69022E-05	2.294689894	6.011808395	0.065108724	0.000631952	23.4061203	0.002926198	0.017037371	0.000519946	0.000402258	0.000167049	0.172154754	3.44457E-06	0.000163656	0.000959241	0.002877524	0.000177592
2081 Jun	0.000570612	0.001758251	0.233729064	1.56E-05	2.502814054	6.480865479	0.093150072	0.000547499	22.09174919	0.00295285	0.016413204	0.000778118	0.000398418	0.000181038	0.199733064	3.1841E-06	0.00015407	0.001219706	0.002725996	0.000157824
2081 Jul	0.000600473	0.001846135	0.245923698	1.64028E-05	2.630957842	6.799583435	0.098092943	0.000571032	23.13808632	0.003103839	0.017246773	0.00081983	0.00042005	0.000190261	0.20991993	3.3486E-06	0.000161604	0.001286001	0.00287363	0.000165469
2081 Aug	0.000633376	0.001949201	0.259705722	1.73529E-05	2.778400421	7.166291237	0.103426151	0.000603105	24.33111382	0.003271092	0.018226324	0.000864204	0.000441974	0.000200546	0.221493021	3.5416E-06	0.000170314	0.001355152	0.00303479	0.000173274
2081 Sep	0.000692571	0.0021247	0.284602255	1.90633E-05	3.039476156	7.79241848	0.112998508	0.000658929	26.04192734	0.00352653	0.019962795	0.000943125	0.000474757	0.000217195	0.241586298	3.88339E-06	0.000183887	0.001476883	0.003316061	0.000179665
2081 Oct	0.000695903	0.002164769	0.286881506	1.93837E-05	3.080740452	7.971610069	0.113303728	0.000686299	26.98972321	0.003592595	0.02030102	0.000943961	0.00048186	0.000221073	0.244645864	3.94884E-06	0.000188884	0.001481057	0.003354834	0.000187265
2081 Nov	0.000668017	0.002130453	0.276668519	1.89694E-05	3.002555609	7.897079945	0.108405061	0.000699152	27.47001457	0.003553103	0.019880531	0.000900559	0.000473845	0.000217849	0.238321841	3.86773E-06	0.000189036	0.001418338	0.00326113	0.000194794
2081 Dec	0.000664481	0.00212845	0.275465339	1.8935E-05	2.994595289	7.896268845	0.107756823	0.000702667	27.57987213	0.003551354	0.019849068	0.00089468	0.000473049	0.000217597	0.237656489	3.86108E-06	0.000189356	0.001410162	0.003250816	0.000196138
2082 Jan	0.000664425	0.002128612	0.275444895	1.89348E-05	2.994593382	7.897469997	0.10774482	0.000702925	27.5893364	0.003551689	0.019849386	0.000894488	0.000473056	0.000217608	0.23765929	3.86106E-06	0.000189393	0.001409966	0.003250533	0.00019623
2082 Feb	0.000664653	0.002129264	0.275529146	1.89394E-05	2.995500803	7.90028286	0.107782044	0.000703176	27.59930992	0.003552719	0.019854706	0.000894698	0.000473174	0.000217668	0.237736508	3.86199E-06	0.000189452	0.001410383	0.003251231	0.000196297
2082 Mar	0.000665058	0.002130468	0.2756899	1.89495E-05	2.997218132	7.904884338	0.107848123	0.000703569	27.61488342	0.003554701	0.019865608	0.000895196	0.000473429	0.000217787	0.237875834	3.86406E-06	0.000189557	0.00141121	0.00325295	0.000196404
2082 Apr	0.000666952	0.002136464	0.27647087	1.90026E-05	3.005678892	7.927170753	0.108155765	0.000705537	27.69214821	0.003564683	0.019921377	0.000897722	0.000474755	0.000218397	0.238549054	3.87488E-06	0.000190087	0.001415213	0.003262054	0.00019695
2082 May	0.000676143	0.002165763	0.280274004	1.9263E-05	3.046956062	8.035892487	0.10964705	0.000715178	28.07051468	0.00361352	0.020194504	0.000910096	0.000481256	0.000221392	0.241827443	3.92797E-06	0.000192688	0.0014347	0.00330676	0.000199632
2082 Jun	0.000432637	0.001672803	0.200722367	1.67306E-05	2.280587912	6.235164642	0.070287175	0.000550173	24.75657272	0.00301812	0.016625606	0.000571273	0.000470798	0.000174517	0.172392681	3.40968E-06	0.000162055	0.001089651	0.00313034	0.000192576
2082 Jul	0.00032386	0.001452834	0.168285578	1.60412E-05	1.956189752	5.198974133	0.052576754	0.000452033	21.8115139	0.002740722	0.015365485	0.0004184	0.000468245	0.00015078	0.140813097	3.27155E-06	0.000145869	0.000953787	0.00315343	0.000178315
2082 Aug	0.000337945	0.001545625	0.178581104	1.72499E-05	2.077105045	5.45005703	0.054590773	0.000480879	22.7605629	0.002891191	0.016449826	0.000432984	0.0004926	0.000158447	0.148365483	3.51518E-06	0.000154087	0.000998351	0.003366302	0.000184289
2082 Sep	0.000339408	0.001590792	0.18187581	1.7811E-05	2.128361225	5.543387413	0.054390457	0.000505864	23.16716766	0.002950489	0.016953615	0.0004286	0.000496649	0.000161171	0.151214004	3.62854E-06	0.000158256	0.000998324	0.003434538	0.0001867
2082 Oct	0.00030913	0.001554583	0.169449925	1.69656E-05	2.028324366	5.298150539	0.047859114	0.000551606	22.47130966	0.002802594	0.016368054	0.000368424	0.00044294	0.000151696	0.143923447	3.45845E-06	0.000155904	0.000872359	0.003124525	0.000181533
2082 Nov	0.000309049	0.001562288	0.169704169	1.7013E-05	2.03423214	5.314993858	0.047695886	0.000559098	22.55348587	0.002808195	0.016438471	0.000366379	0.000441533	0.000151887	0.144334704	3.46796E-06	0.000156744	0.000868988	0.003121249	0.000182029
2082 Dec	0.000309366	0.001564422	0.169909	1.70354E-05	2.036785126	5.321596622	0.047735348	0.000560125	22.58021545	0.002811313	0.016461324	0.00036663	0.000441918	0.00015205	0.144508749	3.47246E-06	0.000156954	0.000869749	0.003124654	0.000182205
2083 Jan	0.000309486	0.00156503	0.169969678	1.70407E-05	2.037517309	5.323649883	0.047751401	0.000560438	22.58810425	0.002812151	0.016467212	0.000366704	0.000441996	0.000152093	0.144563586	3.47354E-06	0.000157013	0.00086996	0.003125346	0.000182255
2083 Feb	0.000309674	0.001565748	0.170056581	1.70477E-05	2.038489342	5.326181412	0.047780935	0.000560693	22.59736824	0.002813331	0.016474362	0.000366885	0.000442162	0.000152156	0.144637004	3.47496E-06	0.000157079	0.000870391	0.003126554	0.00018232
2083 Mar	0.000309946	0.001566972	0.170195773	1.70606E-05	2.040113449	5.330402374	0.047823589	0.000561117	22.61447906	0.002815498	0.016487021	0.000367189	0.000442495	0.000152273	0.144754946	3.47759E-06	0.000157198	0.000871108	0.003128913	0.000182454
2083 Apr	0.000311197	0.001573212	0.170877084	1.71283E-05	2.048254967	5.351660728	0.048017096	0.000563344	22.70421028	0.002826692	0.016552541	0.000368662	0.000444251	0.000152878	0.145334154	3.49139E-06	0.000157822	0.000874599	0.003141325	0.000183176
2083 May	0.000417573	0.001721926	0.199412778	1.72419E-05	2.301775455	6.327525616	0.066840626	0.000596585	25.68863678	0.003079138	0.017111767	0.000538461	0.000469485	0.000176175	0.17257756	3.51334E-06	0.000168415	0.001046665	0.003151679	0.000201517
2083 Jun	0.000616176	0.001773311	0.24182865	1.51804E-05	2.565130711	7.146149635	0.10326457	0.000513148	25.44168854	0.003149619	0.015991651	0.000876409	0.000457582	0.000198184	0.20982562	3.10132E-06	0.000158991	0.001349931	0.00282757	0.000189646
2083 Jul	0.000617393	0.001811631	0.24577032	1.58251E-05	2.612854958	7.194640636	0.103402182	0.000514106	25.73292542	0.003231195	0.016513498	0.000877314	0.000475024	0.000201377	0.212023571	3.23684E-06	0.000162638	0.001370885	0.002963911	0.000194237
2083 Aug	0.00061176	0.001897096	0.251706064	1.70123E-05	2.687507391	7.328052044	0.101798616	0.000536234	26.55924606	0.0033478	0.017456761	0.000864798	0.000489654	0.000206024	0.214909762	3.47783E-06	0.000169329	0.001359081	0.003125328	0.000200864
2083 Sep	0.000568406	0.001887653	0.240104467	1.70244E-05	2.612920284	7.187247753	0.09344139	0.000575632	26.88197517	0.003301943	0.017386943	0.00078872	0.000470265	0.000200723	0.206936941	3.4798E-06	0.000171248	0.001249764	0.003034231	0.0002056
2083 Oct	0.000481876	0.001813865	0.212594196	1.62352E-05	2.402510643	6.760930061	0.076845631	0.000644446	26.72261047	0.003117242	0.016732426	0.000636224	0.000418757	0.000184861	0.188063741	3.31879E-06	0.000171116	0.001035936	0.002737781	0.000209011
2083 Nov	0.000457058	0.001790769	0.204314753	1.59473E-05	2.339359999	6.631627083	0.072038457	0.000666576	26.65510941	0.003061587	0.016523371	0.000591536	0.000402793	0.000180039	0.182610899	3.26098E-06	0.000171224	0.000974355	0.002641838	0.000210258
2083 Dec	0.000457109	0.001791978	0.204380229	1.59572E-05	2.340495586	6.635424137	0.072033457	0.000667453	26.67495537	0.003063228	0.016535053	0.00059142	0.00040289	0.000180116	0.182689473	3.26302E-06	0.000171366	0.000974342	0.002642789	0.000210418
2084 Jan	0.000457153	0.001792378	0.204406172	1.596E-05	2.340891361	6.636799812	0.0720364	0.000667748	26.68137932	0.003063728	0.016538618	0.00059137	0.000402904	0.000180137	0.18272005	3.26357E-06	0.000171411	0.000974359	0.002642963	0.000210466
2084 Feb	0.00045729	0.00179283	0.20445995	1.59632E-05	2.34148407	6.638545036	0.072057553	0.000667947	26.68758583	0.003064393	0.016542468	0.00059147	0.000402967	0.000180172	0.182769403	3.26423E-06	0.000171452	0.000974594	0.002643392	0.000210507
2084 Mar	0.000457699	0.001794338	0.204637483	1.59763E-05	2.343478918	6.644148827	0.072122186	0.000668505	26.70920181	0.003066908	0.016556287	0.000591964	0.000403289	0.000180319	0.182926789	3.26691E-06	0.000171593	0.000975439	0.002645532	0.000210671
2084 Apr	0.000460478	0.001805162	0.205876112	1.60725E-05	2.357636929	6.684252739	0.072560586	0.000672526	26.86989784	0.00308539	0.01665606	0.000595543	0.000405716	0.000181405	0.18403326	3.28658E-06	0.000172626	0.000981351	0.002661456	0.000211936
2084 May	0.000567222	0.001930475	0.236382887	1.6429E-05	2.611458063	7.378866196	0.091395408	0.000678452	27.94635391	0.003275394	0.017413827	0.000762793	0.000428115	0.000199439	0.209565356	3.35638E-06	0.000178501	0.00117818	0.002753606	0.000212436
2084 Jun	0.000662989	0.001827768	0.253403425	1.47763E-05	2.651153088	7.213070869	0.110285103	0.000535887	24.49006653	0.003135146	0.016058894	0.000939664	0.000419398	0.000199878	0.220228791	3.02687E-06	0.000158447	0.001369232	0.002621785	0.000179743
2084 Jul	0.000687699	0.001906982	0.264850557	1.56747E-05	2.769644022	7.467428684	0.11445944	0.000548693	25.28792572	0.00327963	0.016916212	0.000975003	0.000445101	0.000208083	0.228906885	3.21133E-06	0.000165099	0.001436588	0.002807077	0.000185874
2084 Aug	0.000719341	0.002020592	0.279723972	1.6858E-05	2.928776503	7.845592499	0.119529136	0.000581244	26.50101471	0.003456686	0.018055476	0.001017286	0.000469661	0.00021877	0.240661621	3.44985E-06	0.00017424	0.001505583	0.003005889	0.00019271
2084 Sep	0.000688342	0.002013451	0.27169472	1.70598E-05	2.889664888	7.770742416	0.1138689	0.000604132	26.91909409	0.003454264	0.018054418	0.00096451	0.000465962	0.000216891	0.235479072	3.4916E-06	0.000176095	0.001439759	0.003003673	0.000198337
2084 Oct	0.0006199	0.001962188	0.25079143	1.67133E-05	2.741480827	7.527367115	0.101222239	0.00065013	27.42028618	0.003363004	0.017630555	0.000848604	0.00044324	0.000207816	0.221345723	3.42169E-06	0.000177505	0.001288682	0.00286103	0.00020723
2084 Nov	0.000597779	0.001950527	0.244284689	1.66286E-05	2.696528435	7.455735207	0.097009405	0.000670178	27.59813881	0.003334124	0.017553741	0.00080956	0.000434735	0.000204744	0.2169853	3.40404E-06	0.000178488	0.001238729	0.002813077	0.000209906
2084 Dec	0.000598252	0.001952798	0.244522065	1.66495E-05	2.699351549	7.463515759	0.097075805	0.000671259	27.62757111	0.003337374	0.017576074	0.000810055	0.000435088	0.000204931	0.217194706	3.40824E-06	0.000178704	0.00123965	0.002816051	0.000210093
2085 Jan	0.00059831	0.001953363	0.244562194	1.66542E-05	2.699939251	7.465531826	0.097080454	0.000671633	27.63689804	0.003338123	0.017581427	0.00081002	0.000435143	0.000204967	0.21723704	3.40919E-06	0.000178766	0.001239716	0.002816553	0.000210157
2085 Feb	0.00059841	0.00195371	0.244600669	1.66566E-05	2.700384617	7.466982365	0.097096063	0.000671796	27.64268875	0.003338678	0.017584229	0.000810086	0.000435198	0.000204996	0.217274815	3.40968E-06	0.0001788	0.001239884	0.002816867	0.000210201
2085 Mar	0.000598607	0.001954283	0.244677126	1.66612E-05	2.701200247	7.469212055	0.097128347	0.000671984	27.65036011	0.003339632	0.01758926	0.000810324	0.000435318	0.000205053	0.217342064	3.41062E-06	0.00017885	0.001240276	0.002817639	0.000210255
2085 Apr	0.00060053	0.001960516	0.245460689	1.67142E-05	2.709830761	7.493050575	0.097440638	0.000674118	27.73820877	0.003350267	0.017645281	0.000812912	0.000436702	0.000205706	0.218037471	3.42147E-06	0.000179419	0.001244252	0.002826597	0.000210921
2085 May	0.000651242	0.002029896	0.259841502	1.68673E-05	2.831729174	7.937455654	0.106382906	0.000688351	28.92458725	0.003457604	0.018020488	0.000892617	0.000449954	0.000215781	0.23073788	3.44738E-06	0.00018395	0.001335026	0.002860346	0.000215678
2085 Jun	0.000718218	0.002014037	0.274909765	1.6213E-05	2.900430679	8.05383873	0.119104482	0.000624934	27.7636795	0.003429647	0.017607074	0.00101122	0.00045152	0.000219779	0.240985751	3.30969E-06	0.000175969	0.00146544	0.002820662	0.000200032
2085 Jul	0.000768204	0.002153735	0.295379996	1.74875E-05	3.10458231	8.562226295	0.127377972	0.000658953	29.25051498	0.003648468	0.018932961	0.001082315	0.000482304	0.000233768	0.257248104	3.56688E-06	0.00018677	0.001571466	0.003045586	0.000208222
2085 Aug	0.000760749	0.002184576	0.296156436	1.80118E-05	3.130004168	8.619819641	0.125889927	0.000671697	29.73286438	0.003695178	0.019259704	0.001069185	0.000487228	0.000235877	0.257644832	3.67192E-06	0.000189393	0.001552616	0.003108234	0.000211769
2085 Sep	0.000664742	0.002071017	0.265389442	1.73603E-05	2.899639845	8.13202095	0.108828947	0.000699416	29.58948517	0.003520418	0.018245647	0.000914819	0.000452071	0.000221726	0.235848024	3.5389E-06	0.000185235	0.001339167	0.002898233	0.000216734
2085 Oct	0.000588528	0.001984122	0.24009867	1.65687E-05	2.699685574	7.789841652	0.095023341	0.000733413	29.84458542	0.00338303	0.017442308	0.000790071	0.000424417	0.000209745	0.218366489	3.3796E-06	0.000184143	0.001174108	0.002691497	0.000225528
2085 Nov	0.000553467	0.001946188	0.228450567	1.61928E-05	2.608002663	7.633148193	0.08861351	0.000751133	29.98548126	0.003322993	0.01709212	0.000732007	0.000411697	0.00020421	0.210414961	3.3051E-06	0.000184069	0.001098442	0.002594053	0.000230299
2085 Dec	0.000553408	0.001947092	0.228468597	1.61999E-05	2.608690739	7.636402607	0.08859241	0.000751911	30.0060482	0.003324342	0.017100481	0.000731761	0.000411791	0.000204272	0.210459322	3.30657E-06	0.000184194	0.001098241	0.002594662	0.000230482
2086 Jan	0.000553411	0.00194744	0.228479266	1.62021E-05	2.608972549	7.637814999	0.088588923	0.000752207	30.01426506	0.003324853	0.017103354	0.000731652	0.000411819	0.000204292	0.210480794	3.30703E-06	0.000184241	0.001098192	0.002594788	0.000230553
2086 Feb	0.000553493	0.001947727	0.228509158	1.62038E-05	2.609327078	7.639102936	0.088601671	0.000752358	30.01957703	0.003325298	0.017105486	0.00073168	0.000411858	0.000204314	0.210512087	3.30736E-06	0.00018427	0.001098318	0.002594963	0.000230593
2086 Mar	0.000553757	0.001948639	0.228616491	1.62111E-05	2.610543013	7.642716408	0.088643536	0.000752728	30.03339005	0.003326786	0.017113419	0.000731982	0.000412033	0.000204402	0.210610911	3.30885E-06	0.000184355	0.00109882	0.002596081	0.000230694
2086 Apr	0.000556186	0.001957134	0.229616493	1.62816E-05	2.621940374	7.676062584	0.089032635	0.000756002	30.16401672	0.003341272	0.017187947	0.000735174	0.000413824	0.000205292	0.211531535	3.32324E-06	0.000185158	0.001103631	0.002607364	0.000231695
2086 May	0.00058088	0.002017156	0.238038912	1.66471E-05	2.708129406	7.968880177	0.093205184	0.000776694	31.21375656	0.003442788	0.017646998	0.000771107	0.000427227	0.000212422	0.219288632	3.39742E-06	0.000190653	0.00115149	0.00267178	0.000239016
2086 Jun	0.000608969	0.001838729	0.239795834	1.53234E-05	2.598660231	7.353373528	0.100733504	0.000594207	27.00242615	0.003229262	0.016290117	0.000848988	0.000440082	0.000202003	0.213042215	3.13381E-06	0.000167662	0.00128396	0.002710814	0.000205662
2086 Jul	0.000595464	0.001862972	0.24184674	1.6355E-05	2.630855799	7.286289692	0.098568067	0.000579672	26.97755051	0.003317016	0.017034952	0.000828036	0.000473774	0.00020341	0.21186237	3.3466E-06	0.000171082	0.001314832	0.002980761	0.000208587
2086 Aug	0.000595454	0.001936365	0.247415885	1.73852E-05	2.709893227	7.482684612	0.098236583	0.000604453	28.06351089	0.003443273	0.017869102	0.00082378	0.000494725	0.000209412	0.21585156	3.55534E-06	0.000178267	0.001326446	0.003152472	0.000217381
2086 Sep	0.000528659	0.001883492	0.227158472	1.72335E-05	2.580291033	7.224430561	0.086200707	0.000639524	28.42959976	0.003365052	0.017361777	0.000713745	0.000471931	0.000202215	0.202477261	3.52528E-06	0.000177891	0.001168709	0.003030779	0.000224751
2086 Oct	0.000506247	0.0018781	0.220347464	1.71597E-05	2.540634394	7.196492195	0.081885688	0.00066794	28.88569641	0.003347372	0.017279055	0.000673372	0.000462179	0.000200114	0.198633656	3.50988E-06	0.000179761	0.001111158	0.00296921	0.00022977
2086 Nov	0.000507055	0.001882705	0.220760986	1.72006E-05	2.546132803	7.213721752	0.08199966	0.000670254	28.96534538	0.003355183	0.017321158	0.000674202	0.000463085	0.000200556	0.199049592	3.51822E-06	0.00018025	0.001112741	0.002975176	0.000230421
2086 Dec	0.000507285	0.001883937	0.220882565	1.72123E-05	2.54765439	7.218178749	0.082032405	0.000670839	28.98381805	0.003357086	0.017333118	0.000674443	0.000463315	0.000200666	0.199160591	3.52059E-06	0.000180372	0.001113215	0.002976931	0.000230551
2087 Jan	0.00050742	0.001884612	0.220950067	1.72185E-05	2.548491001	7.220754623	0.082051694	0.000671168	28.99418831	0.00335808	0.017339498	0.000674555	0.000463431	0.000200724	0.199222445	3.52184E-06	0.000180438	0.001113471	0.00297782	0.000230618
2087 Feb	0.000507628	0.001885347	0.221038222	1.7225E-05	2.549490213	7.223642349	0.082085215	0.000671444	29.00513077	0.003359301	0.017346144	0.000674788	0.000463589	0.000200795	0.199301377	3.52315E-06	0.000180507	0.001113897	0.002978872	0.000230696
2087 Mar	0.000508129	0.001887137	0.221252441	1.72411E-05	2.551932096	7.230524063	0.08216653	0.000672071	29.0322094	0.003362468	0.017362518	0.000675436	0.000464022	0.000200984	0.199493647	3.52645E-06	0.000180676	0.001114981	0.00298166	0.000230909
2087 Apr	0.00050927	0.001891333	0.221746907	1.72793E-05	2.557618618	7.246613503	0.082351163	0.000673559	29.09649658	0.003369932	0.017401068	0.000676943	0.000465051	0.00020143	0.199938983	3.53427E-06	0.000181076	0.001117476	0.002988267	0.000231418
2087 May	0.000546915	0.001931141	0.232052326	1.72891E-05	2.638104677	7.491913795	0.088957682	0.000676583	29.44462585	0.003418433	0.017583814	0.000736211	0.0004683	0.000207098	0.208572432	3.53304E-06	0.00018243	0.001180469	0.002988307	0.000230297
2087 Jun	0.000660469	0.001929888	0.258382559	1.62346E-05	2.768733263	7.713631153	0.109773651	0.000598593	27.47725487	0.00336259	0.017104415	0.000928593	0.000457849	0.000212919	0.227046996	3.31063E-06	0.000171227	0.001381917	0.002869976	0.000202316
2087 Jul	0.000691923	0.002030018	0.273218811	1.7339E-05	2.913424969	8.025971413	0.114966206	0.000615429	28.31820869	0.003519769	0.018176692	0.000973455	0.000483997	0.000222157	0.237678185	3.53313E-06	0.000178603	0.001459334	0.003078162	0.000206314

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.000717709	0.002121881	0.285032421	1.82354E-05	3.03852129	8.345482826	0.11913193	0.000641037	29.42973709	0.00366778	0.019054193	0.001008996	0.000504425	0.00023111	0.247189537	3.71448E-06	0.000186177	0.001514209	0.003228548	0.000213665
2087 Sep	0.000736922	0.002215116	0.295166522	1.91523E-05	3.154842615	8.674201012	0.1219813	0.000677905	30.70404816	0.003806805	0.019964224	0.001031854	0.000522263	0.000239313	0.255633801	3.89881E-06	0.000194629	0.00155387	0.003368578	0.000221727
2087 Oct	0.000704165	0.002186621	0.28479293	1.88782E-05	3.073978424	8.580571175	0.116067208	0.000694199	31.1303215	0.003762513	0.019666882	0.000979458	0.000513398	0.000235196	0.248472035	3.84379E-06	0.000195075	0.001482268	0.003289373	0.000227998
2087 Nov	0.000688167	0.002171492	0.279566079	1.87196E-05	3.033026934	8.534274101	0.113182187	0.000702404	31.34176826	0.003739603	0.019504637	0.000953831	0.000508754	0.000233132	0.244933292	3.81198E-06	0.000195259	0.001447069	0.003246547	0.00023117
2087 Dec	0.000688694	0.002173904	0.279821873	1.87412E-05	3.036012173	8.543468475	0.113260463	0.000703469	31.37833977	0.003743226	0.019527378	0.000954451	0.000509207	0.00023335	0.245159149	3.81632E-06	0.000195492	0.001448133	0.003249802	0.000231416
2088 Jan	0.000688803	0.002174497	0.279874831	1.87458E-05	3.036684036	8.545940399	0.113275878	0.000703778	31.3895607	0.003744149	0.019532489	0.000954527	0.000509312	0.000233401	0.245211914	3.81726E-06	0.000195555	0.001448323	0.003250427	0.0002315
2088 Feb	0.000688905	0.002174824	0.279913515	1.87481E-05	3.037109852	8.547405243	0.113292389	0.000703913	31.39530182	0.003744672	0.019535059	0.000954608	0.000509372	0.00023343	0.245248318	3.81772E-06	0.000195585	0.001448503	0.003250748	0.000231541
2088 Mar	0.00068961	0.002177009	0.280197114	1.87666E-05	3.040169716	8.556041718	0.113408439	0.000704619	31.42667198	0.003748404	0.01955455	0.000955556	0.000509875	0.000233662	0.24549669	3.8215E-06	0.000195781	0.001449969	0.003253949	0.000231769
2088 Apr	0.000695423	0.002195262	0.282553554	1.89236E-05	3.065696239	8.627812386	0.114364877	0.00071051	31.68938637	0.003779798	0.019718343	0.000963574	0.000514139	0.000235617	0.247560143	3.85347E-06	0.000197418	0.00146217	0.003281164	0.000233702
2088 May	0.000709923	0.002237872	0.288271278	1.92792E-05	3.126238823	8.796749115	0.116757691	0.000723898	32.27609253	0.003851038	0.020096414	0.000982423	0.000523587	0.000240025	0.252515048	3.92571E-06	0.000201116	0.001491804	0.003342074	0.00023778
2088 Jun	0.000542791	0.001904734	0.237409443	1.79623E-05	2.616703033	7.303580284	0.088857301	0.000613365	27.94140816	0.003353455	0.018168233	0.000734688	0.000498441	0.000200457	0.203999862	3.64704E-06	0.000176972	0.001259421	0.003264888	0.00020892
2088 Jul	0.000511437	0.001874455	0.232339665	1.85156E-05	2.569552183	7.035881996	0.083584718	0.000591104	27.10180283	0.00332712	0.018458698	0.000686206	0.000514244	0.000195054	0.196527272	3.75483E-06	0.000175279	0.001249112	0.003435674	0.000202773
2088 Aug	0.000538092	0.001981193	0.245244861	1.96286E-05	2.71476841	7.413145065	0.087849259	0.000626019	28.53302193	0.003510353	0.019540925	0.000720578	0.000541837	0.000205621	0.207262427	3.97992E-06	0.000185065	0.00131427	0.003634669	0.000212971
2088 Sep	0.000551026	0.002062613	0.253914356	2.06266E-05	2.820256948	7.681963444	0.089729577	0.000657156	29.60866737	0.003642459	0.020468265	0.000733615	0.000563916	0.000212747	0.214104891	4.18033E-06	0.000192962	0.001355109	0.003813196	0.000219755
2088 Oct	0.000495789	0.002005063	0.235782325	2.00425E-05	2.677129745	7.45057106	0.079435334	0.00069368	29.70660973	0.003515572	0.019933566	0.000640526	0.000535273	0.000203032	0.20149228	4.05958E-06	0.000192179	0.00122476	0.003631169	0.0002225
2088 Nov	0.000478255	0.001976731	0.229183093	1.96876E-05	2.619317293	7.331744671	0.076150782	0.000702226	29.50144958	0.003454948	0.019632248	0.000611197	0.000520774	0.000198835	0.196912944	3.98736E-06	0.000190719	0.001177874	0.003536433	0.000221739
2088 Dec	0.000478623	0.001978947	0.229402438	1.97102E-05	2.62199688	7.339063168	0.076199539	0.000703277	29.53087234	0.003458217	0.01965561	0.000611529	0.000521196	0.000199012	0.197100312	3.9919E-06	0.000190939	0.001178754	0.003539945	0.000221932
2089 Jan	0.000478782	0.001979768	0.229487732	1.9718E-05	2.623005867	7.341814518	0.076221094	0.000703672	29.54111099	0.003459353	0.019664066	0.000611639	0.000521328	0.000199071	0.197172999	3.99348E-06	0.000191018	0.00117909	0.003541109	0.000221993
2089 Feb	0.00047893	0.001980284	0.229550749	1.97224E-05	2.623697281	7.343777657	0.076244414	0.000703876	29.54812813	0.003460151	0.019668873	0.000611769	0.000521426	0.000199114	0.19722794	3.99437E-06	0.000191065	0.00117939	0.003541807	0.000222038
2089 Mar	0.000479534	0.00198267	0.229833081	1.97459E-05	2.626888037	7.352663994	0.076341011	0.000704712	29.5831337	0.003464289	0.019692393	0.000612517	0.000522043	0.000199351	0.197469994	3.99912E-06	0.000191292	0.001180844	0.003545999	0.000222297
2089 Apr	0.000482095	0.001993173	0.231054977	1.98502E-05	2.640825987	7.391641617	0.076749049	0.000708435	29.73940849	0.00348262	0.019796576	0.000615771	0.000524801	0.000200406	0.198519409	4.02025E-06	0.000192303	0.001187126	0.003564732	0.000223469
2089 May	0.000537665	0.002015978	0.244218677	1.94256E-05	2.723662376	7.56171751	0.08650393	0.000694816	29.1219635	0.00347513	0.019686334	0.000704701	0.000512394	0.000204464	0.209067076	3.93114E-06	0.000189249	0.001266438	0.00347183	0.000212556
2089 Jun	0.000680453	0.002011487	0.276038885	1.79005E-05	2.885701895	7.731659889	0.112226024	0.000607273	25.9769268	0.003362812	0.018887086	0.000942966	0.000474756	0.00020998	0.232360318	3.61521E-06	0.000173162	0.001480718	0.003206025	0.000171945
2089 Jul	0.000719758	0.00212722	0.293104857	1.90353E-05	3.052190542	8.133565903	0.118750818	0.000630216	27.1346283	0.003542456	0.02001833	0.000999971	0.000501666	0.00022126	0.245255917	3.84337E-06	0.00018168	0.001566811	0.003408754	0.0001779
2089 Aug	0.000739241	0.002210191	0.303013802	1.98423E-05	3.155513048	8.421880722	0.121867508	0.000650966	28.25163651	0.003672892	0.02076854	0.00102818	0.000519245	0.000229169	0.252955586	4.00616E-06	0.000188274	0.001604453	0.003534022	0.000185598
2089 Sep	0.000729701	0.002249726	0.30179897	2.01421E-05	3.171862364	8.612587929	0.11986284	0.000686012	29.67192078	0.003739665	0.021024793	0.001010061	0.000524503	0.000232719	0.253683448	4.06739E-06	0.000194148	0.00157515	0.003545177	0.000198384
2089 Oct	0.000610445	0.002097864	0.259939253	1.84666E-05	2.830569983	8.100669861	0.098476745	0.000731414	30.33280945	0.003501044	0.019345274	0.000821077	0.000473641	0.000214057	0.225363523	3.73249E-06	0.000190716	0.001296853	0.003123762	0.000215561
2089 Nov	0.000599357	0.002092653	0.256463766	1.83867E-05	2.80666852	8.074508667	0.096346207	0.000743304	30.50032234	0.003488291	0.019286703	0.000801473	0.000468853	0.000212653	0.223231643	3.71656E-06	0.000191447	0.001269996	0.003090173	0.000217888
2089 Dec	0.000599856	0.00209501	0.256709307	1.84075E-05	2.809549332	8.083039284	0.09641777	0.000744402	30.53384781	0.003491738	0.019309249	0.000802025	0.000469248	0.000212855	0.223449379	3.72076E-06	0.000191675	0.001270973	0.00309319	0.000218112
2090 Jan	0.000600124	0.002096112	0.256831467	1.84169E-05	2.810936689	8.087137222	0.096457638	0.000744893	30.54920959	0.00349334	0.019319542	0.000802301	0.000469429	0.000212948	0.22355704	3.72264E-06	0.000191778	0.001271484	0.003094543	0.000218211
2090 Feb	0.000600387	0.002096971	0.256939471	1.84239E-05	2.812096357	8.090486526	0.096499629	0.000745211	30.56104279	0.003494673	0.019327262	0.000802595	0.000469593	0.000213027	0.223650858	3.72407E-06	0.000191854	0.001272	0.003095656	0.000218288
2090 Mar	0.000600971	0.002098948	0.2571854	1.8441E-05	2.814765692	8.098137856	0.096593611	0.000745909	30.58938217	0.003497933	0.019345365	0.000803348	0.000470025	0.000213224	0.223864466	3.72753E-06	0.000192033	0.001273218	0.003098513	0.000218487
2090 Apr	0.000602909	0.002105672	0.258012414	1.85E-05	2.823800087	8.12409687	0.096905515	0.000748291	30.68707085	0.003509128	0.019407272	0.000805927	0.000471527	0.000213906	0.224583924	3.73944E-06	0.000192646	0.001277317	0.003108414	0.000219183
2090 May	0.000614997	0.002139756	0.261740923	1.86537E-05	2.867610455	8.338436127	0.099036805	0.000763092	31.69218445	0.003580543	0.019600397	0.000824676	0.000481809	0.000218971	0.22884129	3.77111E-06	0.000196584	0.001299951	0.00313728	0.000227642
2090 Jun	0.000633058	0.001962121	0.249372706	1.60362E-05	2.707605839	8.391699791	0.105751075	0.000646164	32.84752655	0.003542728	0.016992994	0.000898159	0.000507427	0.000223338	0.224534303	3.26066E-06	0.000184823	0.001360255	0.002904131	0.000252787
2090 Jul	0.000632697	0.002003605	0.254485905	1.70057E-05	2.769090891	8.420359612	0.105726734	0.00064246	33.01370239	0.003645265	0.017765174	0.000895736	0.000536377	0.000226791	0.226732984	3.46013E-06	0.000189133	0.001401882	0.003137668	0.000255884
2090 Aug	0.000561327	0.001947238	0.236039817	1.72904E-05	2.646829367	7.955755234	0.092887901	0.000652164	32.16117096	0.003548576	0.01750054	0.000779438	0.000515049	0.000216942	0.211780891	3.51952E-06	0.000185819	0.00124825	0.003106637	0.000252925
2090 Sep	0.000479123	0.00184996	0.208239481	1.64987E-05	2.446882963	7.432841301	0.077595808	0.000698406	31.40657425	0.0033631	0.016573112	0.0006377	0.000463047	0.000202206	0.193396136	3.36286E-06	0.0001821	0.001039027	0.002822303	0.000252996
2090 Oct	0.000396294	0.001774915	0.181022942	1.55691E-05	2.241213083	6.872013092	0.061179657	0.00077303	30.40707588	0.003159463	0.015947506	0.000484239	0.000399806	0.000184094	0.175161928	3.182E-06	0.000181596	0.000824539	0.002482038	0.000252162
2090 Nov	0.000378307	0.001757206	0.174968973	1.53022E-05	2.191621065	6.732216835	0.057543185	0.00078917	30.10234833	0.003109357	0.015803831	0.000450426	0.000384777	0.000179537	0.170989394	3.13067E-06	0.000181471	0.000778337	0.002397493	0.000251755
2090 Dec	0.000378461	0.001758941	0.175089374	1.53171E-05	2.193403006	6.737204552	0.057550386	0.000790321	30.12557411	0.003111658	0.015821204	0.000450388	0.000384914	0.000179645	0.171114668	3.1337E-06	0.000181661	0.000778511	0.002399054	0.000251936
2091 Jan	0.000378546	0.001759484	0.175132498	1.53209E-05	2.193985224	6.738921642	0.057559185	0.000790672	30.13297081	0.003112375	0.015826169	0.000450381	0.000384947	0.000179677	0.171160132	3.13449E-06	0.000181719	0.000778608	0.002399393	0.000251994
2091 Feb	0.000378658	0.001759843	0.175174922	1.53232E-05	2.194452047	6.740262032	0.05757609	0.000790845	30.13753128	0.003112874	0.015829185	0.000450443	0.000384982	0.000179701	0.171199888	3.13496E-06	0.000181752	0.000778785	0.002399653	0.000252025
2091 Mar	0.000379284	0.001762609	0.17545709	1.53469E-05	2.197933197	6.750880241	0.057671908	0.000792074	30.18406105	0.003117721	0.015853906	0.000451159	0.000385574	0.00017998	0.171473786	3.13981E-06	0.000182034	0.00078005	0.002403342	0.00025241
2091 Apr	0.000381638	0.001773447	0.176541209	1.54411E-05	2.211474657	6.792411804	0.058030471	0.000796929	30.36910057	0.00313687	0.015951302	0.000453946	0.000387939	0.000181084	0.17253162	3.15908E-06	0.00018315	0.000784881	0.002418091	0.000253954
2091 May	0.000431055	0.001845791	0.192261949	1.5845E-05	2.344469547	7.107080936	0.066593796	0.000801525	30.78343964	0.003240824	0.016523872	0.000529741	0.000401135	0.000189643	0.184905216	3.24022E-06	0.000186828	0.000880414	0.002501916	0.000253404
2091 Jun	0.000631453	0.001919984	0.247405902	1.56352E-05	2.688710928	7.574923038	0.10347975	0.000654299	27.75061989	0.003323762	0.016887531	0.000868524	0.000429349	0.000207183	0.22173059	3.19496E-06	0.000174427	0.001292683	0.002667916	0.00021154
2091 Jul	0.000669117	0.002029038	0.26320222	1.6709E-05	2.850661278	7.965368271	0.109785676	0.000679285	28.98143959	0.003513582	0.017976923	0.000921931	0.000459269	0.000218645	0.234396398	3.41333E-06	0.000183521	0.001382441	0.002876729	0.000219968
2091 Aug	0.000675219	0.002107285	0.270328701	1.7813E-05	2.950136423	8.21068573	0.110583775	0.000707383	30.09983444	0.003644121	0.018831378	0.000926472	0.000479376	0.000225953	0.240038723	3.63453E-06	0.000190536	0.001401403	0.003054318	0.000226993
2091 Sep	0.000615364	0.002046254	0.25149551	1.76593E-05	2.830668926	7.97326231	0.100134395	0.000729688	30.4041214	0.00357227	0.018259289	0.000830447	0.000462891	0.000219975	0.227699623	3.60288E-06	0.000189006	0.001266556	0.00296386	0.000233244
2091 Oct	0.000544809	0.001963761	0.227458224	1.68712E-05	2.643674612	7.70919323	0.087498799	0.000762512	30.94739151	0.003446728	0.017408352	0.000716734	0.000437212	0.000209868	0.211599678	3.44277E-06	0.000187887	0.001108202	0.002756572	0.000243354
2091 Nov	0.000494127	0.001908727	0.210479021	1.62853E-05	2.507921219	7.495519161	0.078195259	0.000790502	31.19174194	0.00335123	0.016871899	0.000632738	0.000416149	0.000201653	0.200014979	3.32444E-06	0.000187539	0.000994255	0.002598243	0.000249718
2091 Dec	0.000492753	0.001909736	0.210130677	1.62902E-05	2.506397963	7.496672153	0.077909164	0.000793212	31.23648262	0.003351804	0.016882744	0.000629995	0.000415709	0.00020156	0.199841991	3.32548E-06	0.000187832	0.000990931	0.002595749	0.000250208
2092 Jan	0.000492728	0.00191009	0.210130841	1.62919E-05	2.506614685	7.498150349	0.077900186	0.000793562	31.24640083	0.003352362	0.016885374	0.000629829	0.000415729	0.00020158	0.199859813	3.32585E-06	0.000187885	0.000990803	0.002595724	0.000250302
2092 Feb	0.000492904	0.001910726	0.210199744	1.62964E-05	2.507425308	7.500802517	0.077927619	0.000793863	31.25722313	0.003353397	0.016890556	0.000629963	0.000415836	0.000201636	0.19992803	3.32676E-06	0.000187948	0.000991106	0.002596331	0.000250385
2092 Mar	0.000493844	0.001914239	0.210594177	1.6326E-05	2.512073278	7.514633179	0.078076884	0.000795304	31.31380653	0.003359515	0.016921462	0.000631129	0.000416588	0.000202002	0.200300917	3.3328E-06	0.000188289	0.000992977	0.002601034	0.000250833
2092 Apr	0.000496381	0.001923986	0.211671859	1.64089E-05	2.5248909	7.552914619	0.078478448	0.000799337	31.47266388	0.003376597	0.017007533	0.000634353	0.000418703	0.000203028	0.201324329	3.34973E-06	0.000189245	0.000998068	0.002614244	0.000252102
2092 May	0.000546024	0.001995891	0.226167694	1.66479E-05	2.649975538	7.99774456	0.087408327	0.000805351	32.81288147	0.00351236	0.017414875	0.000715043	0.000440273	0.000214249	0.214006856	3.3982E-06	0.000194481	0.001095816	0.002685994	0.00026088
2092 Jun	0.000633813	0.00182244	0.240899563	1.45913E-05	2.600490808	7.587062359	0.106182963	0.000573712	28.41672134	0.003316027	0.015602311	0.000901716	0.000454981	0.000209911	0.217763081	2.98947E-06	0.000167052	0.001327385	0.002635407	0.000224257
2092 Jul	0.000589755	0.001780763	0.231960356	1.51077E-05	2.527638674	7.238591194	0.09885408	0.000542805	27.70015526	0.003308813	0.015766665	0.000836261	0.000476109	0.000204236	0.20766975	3.10015E-06	0.000165834	0.001298215	0.002815614	0.000224978
2092 Aug	0.000616395	0.001888798	0.244730815	1.62213E-05	2.674407721	7.64357233	0.103168562	0.000578716	29.29303741	0.003496742	0.016826401	0.000871475	0.000504526	0.00021542	0.218544886	3.32571E-06	0.000175872	0.001361722	0.003013225	0.000236553
2092 Sep	0.000610687	0.001950693	0.246368647	1.6971E-05	2.731990576	7.92683363	0.101942673	0.000619293	31.10061073	0.003619955	0.017415959	0.00085774	0.000523971	0.000222123	0.221577778	3.47711E-06	0.000184301	0.001356388	0.003129786	0.00025192
2092 Oct	0.000581361	0.001950204	0.236684844	1.68205E-05	2.679500818	8.069540024	0.096756198	0.000656305	32.96804047	0.003656062	0.017212169	0.000811176	0.000527545	0.000223528	0.217237234	3.44837E-06	0.00018951	0.001290428	0.003073433	0.000271676
2092 Nov	0.000574273	0.001954163	0.234393716	1.68016E-05	2.669611931	8.129244804	0.095477462	0.000668838	33.57556915	0.003672627	0.017187273	0.000799565	0.000529293	0.00022434	0.216450229	3.44502E-06	0.000191413	0.001274001	0.003060872	0.000277848
2092 Dec	0.000574703	0.001956245	0.234597877	1.68199E-05	2.672175646	8.138305664	0.095544405	0.000669788	33.6160965	0.003676201	0.017205963	0.000800094	0.000529802	0.000224559	0.216647282	3.44873E-06	0.000191635	0.001274954	0.003063893	0.000278162
2093 Jan	0.000574802	0.001956932	0.234646395	1.6825E-05	2.672914028	8.141937256	0.095559329	0.000670186	33.63477325	0.003677443	0.017211249	0.000800166	0.000529976	0.000224634	0.216706395	3.44977E-06	0.00019172	0.001275145	0.003064655	0.000278314
2093 Feb	0.00057497	0.001957524	0.234710544	1.68293E-05	2.67367959	8.144822121	0.095587358	0.000670431	33.64763641	0.003678555	0.01721582	0.000800347	0.00053013	0.0002247	0.216771424	3.45065E-06	0.000191783	0.001275481	0.003065387	0.000278419
2093 Mar	0.000576536	0.001962791	0.235346168	1.68743E-05	2.680892944	8.166780472	0.095847927	0.000672228	33.73780441	0.003688426	0.017262008	0.000802502	0.000531548	0.000225302	0.217357799	3.45988E-06	0.000192297	0.001278935	0.003073576	0.000279162
2093 Apr	0.000579692	0.001973491	0.236632213	1.69662E-05	2.695522547	8.211302757	0.096372724	0.000675885	33.92130661	0.003708512	0.017356049	0.00080688	0.00053444	0.000226529	0.218544722	3.47871E-06	0.000193343	0.001285925	0.003090301	0.000280679
2093 May	0.000616321	0.002054745	0.247751191	1.73035E-05	2.810064554	8.725830078	0.102835901	0.000705097	36.01168442	0.003859722	0.017811252	0.000864386	0.000555603	0.000238334	0.229783118	3.54573E-06	0.000201303	0.00135163	0.003151166	0.000295955
2093 Jun	0.000687676	0.001976955	0.26003933	1.57221E-05	2.808019638	8.6395998	0.116454348	0.000612766	33.43104553	0.003679398	0.016652057	0.000995131	0.00052787	0.000235404	0.236589432	3.21341E-06	0.000184444	0.001464371	0.002921001	0.00026453
2093 Jul	0.000713892	0.002069367	0.273266941	1.68249E-05	2.941644192	8.912550926	0.120770596	0.000628771	34.22481918	0.003835041	0.017700348	0.00103151	0.000555498	0.000243981	0.246047214	3.43649E-06	0.000191769	0.001537159	0.003138525	0.000269246
2093 Aug	0.000743165	0.002179943	0.287354976	1.79683E-05	3.092040062	9.295542717	0.125490248	0.000659547	35.56632996	0.004012987	0.018798649	0.001071383	0.00058176	0.000254618	0.257167399	3.66711E-06	0.00020099	0.0016036	0.003335951	0.000277796
2093 Sep	0.000715698	0.002181332	0.280551851	1.8109E-05	3.054463148	9.25932312	0.120299987	0.000685559	36.10128403	0.004010185	0.018854916	0.001023846	0.000577502	0.000252676	0.252622575	3.69588E-06	0.00020357	0.001543595	0.003319857	0.000284
2093 Oct	0.000580996	0.002023759	0.237631381	1.67872E-05	2.697702408	8.434947014	0.095279142	0.000740041	34.91460037	0.003679561	0.017576559	0.000797617	0.000506807	0.000225675	0.220420524	3.42704E-06	0.000197611	0.001237026	0.002918813	0.000281829
2093 Nov	0.000533979	0.00198529	0.223335937	1.64325E-05	2.586041451	8.167661667	0.086155951	0.000776503	34.56774139	0.003573389	0.017320491	0.00071327	0.000478751	0.000216198	0.210060433	3.35438E-06	0.000197413	0.001125589	0.002775249	0.000281254
2093 Dec	0.000534226	0.001987468	0.223503619	1.64516E-05	2.588360071	8.174741745	0.086177908	0.000777841	34.59984589	0.003576381	0.017342024	0.000713353	0.000479002	0.000216352	0.210226014	3.35823E-06	0.000197647	0.00112598	0.002777526	0.000281489
2094 Jan	0.000534292	0.001988054	0.223544285	1.6456E-05	2.588952541	8.176729202	0.086183183	0.000778239	34.60922241	0.003577169	0.017347401	0.000713312	0.000479047	0.000216388	0.210270956	3.35912E-06	0.000197711	0.001126041	0.002777925	0.000281561
2094 Feb	0.00053445	0.001988607	0.223608375	1.64601E-05	2.589666367	8.178880692	0.086207405	0.000778491	34.61703873	0.003577976	0.01735222	0.000713431	0.000479126	0.000216431	0.210329667	3.35995E-06	0.000197763	0.001126318	0.002778474	0.000281613
2094 Mar	0.000535221	0.001991439	0.223928228	1.64832E-05	2.593354702	8.190496445	0.086331196	0.000779614	34.66563797	0.003582998	0.017376849	0.000714413	0.000479784	0.000216732	0.210630283	3.36466E-06	0.000198042	0.001127912	0.002782312	0.000282004
2094 Apr	0.000537229	0.001998843	0.224765316	1.65443E-05	2.603020191	8.220956802	0.086655505	0.000782501	34.79396057	0.003596296	0.017441384	0.000717075	0.000481561	0.000217535	0.211416423	3.37714E-06	0.000198776	0.001132132	0.002792624	0.000283045
2094 May	0.000583313	0.00203741	0.236476228	1.6436E-05	2.692565918	8.517034531	0.095017709	0.000776166	35.33096313	0.003664777	0.017517604	0.000793058	0.000490055	0.00022511	0.2216129	3.35499E-06	0.000199996	0.00121395	0.002793088	0.000284844
2094 Jun	0.000707308	0.002116796	0.26962027	1.63495E-05	2.930243015	9.053131104	0.117703848	0.000722642	35.12834549	0.003802814	0.017793816	0.000999623	0.000512776	0.000241624	0.247260958	3.33777E-06	0.000198269	0.001453086	0.002868428	0.000275307

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.000769199	0.002291462	0.294434875	1.78905E-05	3.183470011	9.737724304	0.128027603	0.000769561	37.36281967	0.004092134	0.019412622	0.001087902	0.0005549	0.000260135	0.267750353	3.64927E-06	0.000212803	0.001587176	0.003149123	0.000289675
2094 Aug	0.000820195	0.002445602	0.314727455	1.9178E-05	3.399218082	10.35912132	0.136452034	0.000818636	39.60316849	0.004353315	0.020773962	0.00115948	0.00059018	0.000276755	0.285420179	3.91041E-06	0.000226373	0.001692312	0.003370869	0.000305643
2094 Sep	0.00083757	0.002557595	0.324542642	2.02066E-05	3.528357506	10.86311722	0.139008582	0.000873334	41.93218613	0.004531961	0.021782985	0.001179174	0.000616228	0.000287935	0.294823349	4.11745E-06	0.000238441	0.001729823	0.00353062	0.000322397
2094 Oct	0.000736095	0.002409482	0.290055335	1.89441E-05	3.234413624	10.29809856	0.121113636	0.0008856	41.63092804	0.004302575	0.020411005	0.001020795	0.000578738	0.000269967	0.269415855	3.86335E-06	0.000232359	0.001515175	0.003247537	0.000328379
2094 Nov	0.000639717	0.002284668	0.258370072	1.7888E-05	2.968699932	9.751486778	0.103633776	0.000914544	41.14888382	0.004078899	0.019341292	0.000863746	0.000536836	0.000251889	0.245973036	3.6488E-06	0.00022786	0.001306267	0.002975908	0.00033093
2094 Dec	0.000634215	0.002278258	0.256612629	1.7835E-05	2.954171658	9.720080376	0.102616541	0.000916892	41.1144104	0.004066028	0.019290622	0.000854516	0.000534223	0.000250824	0.244666189	3.63793E-06	0.00022766	0.001294165	0.002960574	0.000330953
2095 Jan	0.00063427	0.002278941	0.256650299	1.78398E-05	2.954810619	9.722928047	0.102620006	0.000917384	41.1295166	0.004067067	0.019296385	0.000854446	0.00053431	0.000250874	0.244716153	3.63889E-06	0.000227744	0.001294205	0.002961028	0.000331077
2095 Feb	0.000634399	0.002279412	0.256698728	1.78427E-05	2.955384016	9.725082397	0.102640137	0.000917625	41.13878632	0.004067837	0.019299969	0.000854518	0.000534388	0.000250914	0.244766474	3.63948E-06	0.000227793	0.001294416	0.002961386	0.000331149
2095 Mar	0.000634967	0.002281339	0.25692302	1.78574E-05	2.957919598	9.733319283	0.102732405	0.000918384	41.17261887	0.00407123	0.019316139	0.000855239	0.000534826	0.000251121	0.244978383	3.64249E-06	0.000227981	0.001295551	0.002963817	0.000331416
2095 Apr	0.000637966	0.002292031	0.258132815	1.79409E-05	2.971812487	9.778934479	0.103217974	0.000922672	41.36483383	0.004090283	0.019406596	0.000859256	0.000537325	0.000252295	0.246130198	3.65952E-06	0.000229047	0.001301658	0.002977676	0.00033296
2095 May	0.000666929	0.002294655	0.266583771	1.78035E-05	3.017204285	9.799172401	0.108949579	0.000900494	40.42367172	0.004060679	0.019397207	0.000911161	0.000531752	0.000252928	0.251330435	3.62683E-06	0.000225231	0.0013589	0.00296499	0.000319985
2095 Jun	0.000747889	0.002295522	0.287814468	1.76179E-05	3.132801533	9.786497116	0.123248741	0.000827497	37.89979553	0.004012707	0.019396095	0.001041892	0.000527535	0.000255244	0.263862163	3.58109E-06	0.000215082	0.001512493	0.002995173	0.000288823
2095 Jul	0.000808144	0.002474422	0.31212461	1.91306E-05	3.383321762	10.4852705	0.133151099	0.000881318	40.26034546	0.004300323	0.021007724	0.001126578	0.000566063	0.00027367	0.284250557	3.88641E-06	0.000230071	0.001635698	0.003251749	0.000304139
2095 Aug	0.000810945	0.002506501	0.316651225	1.97318E-05	3.42720747	10.48821259	0.133448988	0.000879371	39.99444199	0.004323507	0.021409404	0.001130271	0.000567344	0.000274914	0.28601256	4.00514E-06	0.000230312	0.001635899	0.003328702	0.000298952
2095 Sep	0.000773184	0.002453312	0.304981351	1.959E-05	3.340808868	10.2144804	0.126883358	0.000877332	39.39099884	0.004238514	0.020970659	0.001071122	0.000550683	0.00026871	0.277056396	3.97544E-06	0.000226254	0.001549063	0.003261901	0.000295444
2095 Oct	0.000753943	0.002432193	0.298689991	1.94521E-05	3.295294285	10.14349461	0.123499528	0.000884399	39.53911972	0.004210736	0.020758823	0.001040624	0.000545187	0.000266424	0.272835463	3.94764E-06	0.000225879	0.001506516	0.003220321	0.000298181
2095 Nov	0.000701315	0.002360205	0.280772626	1.88703E-05	3.151736498	9.893638611	0.114262685	0.000895995	39.62672424	0.00410623	0.020065702	0.000958095	0.00052742	0.000258313	0.260223955	3.83027E-06	0.000223475	0.001393412	0.00308216	0.000303225
2095 Dec	0.000694903	0.002353692	0.278688312	1.88171E-05	3.136083841	9.870577812	0.113107592	0.000899232	39.67735291	0.004096287	0.020004148	0.000947631	0.00052542	0.000257445	0.258811951	3.81952E-06	0.000223465	0.001379504	0.003066933	0.000304151
2096 Jan	0.000694881	0.002354154	0.278692275	1.88201E-05	3.136429548	9.872934341	0.113099955	0.000899649	39.69232178	0.004097115	0.020007379	0.000947461	0.000525489	0.000257484	0.258838683	3.82013E-06	0.000223533	0.00137938	0.003067113	0.000304284
2096 Feb	0.000695308	0.002355481	0.278856158	1.88301E-05	3.138234377	9.878629684	0.113169633	0.00090016	39.71392822	0.004099315	0.020018337	0.000947941	0.000525755	0.000257617	0.258990109	3.82215E-06	0.000223655	0.001380179	0.003068665	0.000304439
2096 Mar	0.000695991	0.002357664	0.279123992	1.88472E-05	3.141191483	9.887797356	0.113281317	0.000900971	39.74948883	0.004103055	0.020036755	0.000948824	0.000526227	0.00025785	0.259236157	3.82563E-06	0.000223857	0.001381514	0.003071441	0.000304705
2096 Apr	0.000699073	0.002368022	0.280356169	1.89299E-05	3.155023098	9.931242943	0.113783337	0.000904913	39.92338562	0.004121055	0.020124706	0.000953	0.000528531	0.00025898	0.260379016	3.84239E-06	0.000224837	0.001387621	0.0030849	0.000306034
2096 May	0.000720147	0.002407164	0.28515473	1.89289E-05	3.209450006	10.3295784	0.117909364	0.000918843	41.89467621	0.004232666	0.020172579	0.00099096	0.00054906	0.000268043	0.266814947	3.84274E-06	0.000230243	0.001429539	0.003110146	0.000323137
2096 Jun	0.000606405	0.001907918	0.236783981	1.54737E-05	2.617578983	8.410733223	0.10205853	0.000641503	34.38324356	0.003583329	0.01618393	0.000866821	0.000518552	0.000225453	0.218682572	3.14946E-06	0.00018412	0.00131174	0.002839705	0.000275603
2096 Jul	0.000577136	0.001889052	0.232255459	1.60809E-05	2.585464239	8.131798744	0.097115532	0.000619208	33.66679382	0.00360342	0.016517835	0.000821408	0.000538085	0.000221909	0.212531015	3.27766E-06	0.000183981	0.001303683	0.003020425	0.000275
2096 Aug	0.000605675	0.002001402	0.245585546	1.72155E-05	2.738123417	8.565039635	0.101770043	0.000657125	35.39797592	0.003803053	0.017610111	0.000859448	0.000568534	0.000233801	0.22403501	3.50711E-06	0.000194577	0.001372299	0.003225001	0.000287832
2096 Sep	0.000578151	0.002039678	0.24147594	1.78993E-05	2.745956898	8.598748207	0.096166112	0.000706187	36.20184326	0.003848996	0.018177878	0.000804441	0.000570662	0.000233733	0.221669152	3.64582E-06	0.000201167	0.001319514	0.003294788	0.000295255
2096 Oct	0.00048572	0.001960861	0.212618932	1.71E-05	2.523828268	8.061265945	0.078231342	0.000777798	35.49396896	0.003635087	0.017557921	0.000639083	0.000511182	0.000215183	0.201276273	3.48596E-06	0.000200376	0.001090867	0.002980317	0.000294725
2096 Nov	0.000471618	0.001964262	0.208855629	1.7075E-05	2.501246214	8.017308235	0.075193837	0.000803708	35.55178452	0.003611674	0.017619498	0.000609952	0.000499835	0.000212606	0.198951006	3.48028E-06	0.000201968	0.001051395	0.002929264	0.000295371
2096 Dec	0.000471845	0.001966025	0.209004551	1.70913E-05	2.503206253	8.023061752	0.075217165	0.000804735	35.57601547	0.003614012	0.017637504	0.000610069	0.000500056	0.000212729	0.199088216	3.48356E-06	0.000202151	0.001051815	0.002931367	0.00029553
2097 Jan	0.000471874	0.001966374	0.20902504	1.70936E-05	2.503525972	8.024170876	0.075217351	0.000805013	35.58110809	0.003614384	0.017640676	0.000610001	0.000500049	0.000212743	0.199112564	3.48402E-06	0.000202189	0.001051793	0.002931444	0.000295565
2097 Feb	0.000471941	0.001966577	0.209048733	1.70946E-05	2.503781319	8.024977684	0.075227305	0.000805124	35.58375168	0.003614628	0.017642232	0.000610016	0.000500055	0.000212753	0.199135482	3.48423E-06	0.000202207	0.001051879	0.002931495	0.00029558
2097 Mar	0.000472366	0.001968262	0.209232718	1.7109E-05	2.505948067	8.031837463	0.075295135	0.000805811	35.61330032	0.003617659	0.017657263	0.000610533	0.000500464	0.00021293	0.199309155	3.48715E-06	0.000202377	0.001052798	0.00293392	0.00029582
2097 Apr	0.000475076	0.001979477	0.210429177	1.72063E-05	2.520248413	8.077609062	0.075727344	0.000810391	35.81568909	0.00363825	0.017757796	0.000614021	0.00050331	0.000214141	0.200447634	3.50699E-06	0.000203528	0.001058823	0.002950605	0.000297499
2097 May	0.000509512	0.002044186	0.222013548	1.75897E-05	2.624382019	8.330903053	0.081408553	0.000827882	36.22659683	0.003715787	0.018296378	0.000663062	0.000509123	0.000220287	0.209813192	3.58256E-06	0.00020745	0.001118852	0.003002984	0.000297034
2097 Jun	0.000630099	0.002027316	0.252516121	1.6783E-05	2.771186829	8.25001812	0.103304856	0.000716241	31.9523468	0.003578791	0.017946158	0.000865003	0.000484384	0.000220989	0.227866113	3.40997E-06	0.000189689	0.001332657	0.002919416	0.000245827
2097 Jul	0.000680409	0.002178147	0.273980707	1.82408E-05	2.98905921	8.789606094	0.111600175	0.000754566	33.61950302	0.003823112	0.019438671	0.000935401	0.000520871	0.000236001	0.244866759	3.70382E-06	0.000201875	0.001446683	0.003185679	0.000255739
2097 Aug	0.000719404	0.00231108	0.291601926	1.9549E-05	3.173726797	9.254721642	0.117881998	0.000793176	35.12536621	0.004028437	0.020738941	0.00098837	0.000549247	0.000248635	0.258888781	3.96693E-06	0.000212624	0.001530133	0.003405339	0.000264379
2097 Sep	0.00072922	0.002361438	0.29687947	2.00692E-05	3.238127232	9.432277679	0.119354039	0.000813385	35.84947205	0.004109	0.021225203	0.000999887	0.000559472	0.000253385	0.263490885	4.07187E-06	0.000217255	0.001550153	0.003484931	0.000269383
2097 Oct	0.000685166	0.002291029	0.281783789	1.94881E-05	3.106663227	9.148010254	0.111639351	0.000812007	35.4704628	0.003995014	0.020556863	0.000932364	0.000540227	0.000244988	0.252056987	3.95546E-06	0.000213328	0.001453034	0.003351256	0.000269743
2097 Nov	0.000658794	0.002247717	0.272664577	1.91134E-05	3.026072264	8.965169907	0.106962651	0.000812387	35.1541955	0.003920103	0.020156628	0.000891127	0.000526979	0.000239485	0.245112225	3.88008E-06	0.000210843	0.001394224	0.00326399	0.000269047
2097 Dec	0.000654192	0.002239949	0.271057397	1.90444E-05	3.011730671	8.932313919	0.106143974	0.000812478	35.09256363	0.003906409	0.020085163	0.000883895	0.000524539	0.000238487	0.243886381	3.86617E-06	0.000210389	0.001383918	0.003248035	0.000268862
2098 Jan	0.000654171	0.002240286	0.271061033	1.90465E-05	3.011957169	8.933664322	0.106136091	0.000812789	35.10112381	0.003906883	0.020087741	0.000883724	0.00052455	0.000238502	0.243903086	3.86659E-06	0.000210435	0.001383788	0.003248048	0.000268936
2098 Feb	0.000654364	0.002240869	0.271134108	1.90506E-05	3.012743235	8.936109543	0.106167115	0.000813024	35.10985184	0.00390777	0.020092506	0.000883873	0.000524644	0.00023855	0.243969724	3.86742E-06	0.000210486	0.001384126	0.003248624	0.000268994
2098 Mar	0.000654781	0.002242174	0.271300405	1.90613E-05	3.014539719	8.941343307	0.106235124	0.000813482	35.12914658	0.003909971	0.020104038	0.000884383	0.000524929	0.000238682	0.244117349	3.86959E-06	0.000210604	0.001384973	0.003250415	0.000269134
2098 Apr	0.000658483	0.002252666	0.272664458	1.91336E-05	3.028982639	8.985834122	0.106836349	0.000817495	35.28517532	0.003926285	0.020188579	0.000887359	0.000526677	0.000239569	0.245358393	3.88421E-06	0.000211517	0.001391504	0.003260812	0.000270176
2098 May	0.000724502	0.002249877	0.28863275	1.86246E-05	3.111413479	9.039646149	0.118851736	0.000767105	33.56123352	0.003868911	0.019938853	0.000984078	0.000514218	0.000240237	0.255865037	3.77634E-06	0.000203381	0.00150218	0.003193191	0.000247541
2098 Jun	0.000750267	0.001937007	0.280381233	1.54475E-05	2.858995676	7.830617905	0.125898942	0.000539886	25.76188278	0.003331697	0.016894974	0.00106424	0.000447731	0.000214686	0.24146609	3.13403E-06	0.00016146	0.001544043	0.002775429	0.00017979
2098 Jul	0.000792489	0.002056462	0.297795713	1.65946E-05	3.036110878	8.25832653	0.132973894	0.00056695	27.11172295	0.003540676	0.01806521	0.001124297	0.000479615	0.000227327	0.255515814	3.36704E-06	0.000171245	0.001641981	0.002995666	0.000189161
2098 Aug	0.000802842	0.00215236	0.306911379	1.78549E-05	3.159007072	8.521051407	0.134274676	0.000604245	28.2291832	0.003696156	0.019122612	0.001132692	0.000500464	0.000235625	0.262926638	3.62135E-06	0.000179862	0.001669072	0.003193071	0.000196607
2098 Sep	0.000669642	0.002020724	0.265153646	1.71287E-05	2.860618591	7.908363819	0.11025735	0.000661935	28.47204018	0.003499646	0.017996818	0.000916887	0.000456925	0.00021786	0.234179005	3.47814E-06	0.000178053	0.001377825	0.002931436	0.000209597
2098 Oct	0.000552183	0.001915143	0.227662489	1.61459E-05	2.575942278	7.424372673	0.088507369	0.000734608	29.05901146	0.003313293	0.017054129	0.000721457	0.000412456	0.000200386	0.208638445	3.28214E-06	0.000179127	0.001117354	0.002624948	0.000224991
2098 Nov	0.000516533	0.001890468	0.216004327	1.58117E-05	2.490905762	7.332892895	0.081872657	0.000763655	29.66090202	0.003279667	0.016779047	0.000661948	0.000401828	0.000196258	0.201393753	3.2172E-06	0.000181087	0.001037984	0.002525845	0.000234635
2098 Dec	0.000516742	0.001892702	0.216158375	1.58308E-05	2.49320364	7.340453625	0.081887491	0.000765102	29.6975975	0.003282858	0.016800588	0.000661965	0.000402096	0.000196422	0.201558486	3.22105E-06	0.000181338	0.001038281	0.002528047	0.000234922
2099 Jan	0.000516856	0.001893476	0.216217786	1.58366E-05	2.494033813	7.343364716	0.081900738	0.000765578	29.71142006	0.003284032	0.016807439	0.000661992	0.000402198	0.000196481	0.20162335	3.22224E-06	0.000181424	0.001038447	0.002528712	0.000235034
2099 Feb	0.00051703	0.001894125	0.21628736	1.58412E-05	2.494849682	7.346008778	0.08192753	0.000765887	29.72227287	0.003285084	0.016812844	0.000662132	0.000402307	0.000196538	0.201691657	3.22319E-06	0.000181488	0.001038752	0.002529346	0.000235119
2099 Mar	0.000518037	0.001897716	0.216703385	1.58709E-05	2.499608517	7.35998106	0.082087696	0.000767324	29.77804375	0.00329128	0.01684455	0.00066339	0.00040306	0.000196907	0.202078357	3.22923E-06	0.000181829	0.001040759	0.002534077	0.000235556
2099 Apr	0.000527354	0.001922983	0.220040992	1.60369E-05	2.534798861	7.465867519	0.083600648	0.000777068	30.14339066	0.003331137	0.017046005	0.000670984	0.000407137	0.000199049	0.205151096	3.26296E-06	0.000184031	0.001057135	0.002557732	0.000238088
2099 May	0.00075776	0.00210982	0.282344103	1.58636E-05	2.991902351	8.558289528	0.124801405	0.000718733	30.19790268	0.003584721	0.01775592	0.000914411	0.000430808	0.000216192	0.254469901	3.22849E-06	0.000184435	0.001464314	0.002596907	0.000222176
2099 Jun	0.000802765	0.002058484	0.292085916	1.53336E-05	3.014309168	8.42244339	0.13413085	0.000621763	28.37426567	0.003550559	0.017221902	0.001030541	0.000443072	0.000219857	0.259002715	3.1262E-06	0.000174105	0.001578883	0.002635432	0.000207092
2099 Jul	0.000851061	0.002192183	0.311620802	1.65635E-05	3.211268187	8.928145409	0.142259076	0.000652314	29.99193954	0.003779772	0.018485317	0.001098929	0.000477735	0.000234076	0.274838358	3.37548E-06	0.000184959	0.001687026	0.002867932	0.00021792
2099 Aug	0.000893896	0.002341777	0.330260277	1.79972E-05	3.421167374	9.495729446	0.149208128	0.000703699	32.03440857	0.004025453	0.01987082	0.00115499	0.00050979	0.000249451	0.290974408	3.66473E-06	0.000197876	0.001773838	0.003100934	0.000231329
2099 Sep	0.000817887	0.002281204	0.308374286	1.79823E-05	3.275863647	9.218153954	0.135730267	0.000733042	32.51154327	0.003949405	0.019452859	0.00105117	0.000497257	0.000243384	0.27542749	3.6615E-06	0.000197992	0.001620278	0.0030427	0.000240146
2099 Oct	0.000720033	0.002176323	0.278157979	1.73384E-05	3.037998199	8.73455143	0.118042208	0.000766745	32.39716721	0.003771432	0.018655229	0.000909489	0.000465968	0.000229521	0.253034681	3.53064E-06	0.000195689	0.001418307	0.002854072	0.000245783
2099 Nov	0.000670298	0.002124477	0.262767673	1.697E-05	2.914324522	8.4949646	0.10895931	0.000787162	32.36126709	0.003676475	0.018264433	0.000836005	0.00044881	0.000222035	0.241601869	3.45535E-06	0.000194824	0.001315095	0.002747949	0.000248694
2099 Dec	0.000670634	0.002126597	0.262954623	1.69887E-05	2.91676116	8.502402306	0.109000906	0.000788348	32.39312363	0.00367952	0.018284852	0.000836272	0.000449106	0.000222204	0.241781294	3.45911E-06	0.000195042	0.001315688	0.002750374	0.00024892
2100 Jan	0.00067052	0.00212676	0.262927473	1.69896E-05	2.916696787	8.503089905	0.108977318	0.00078863	32.40046692	0.003679756	0.018286221	0.000836029	0.000449101	0.000222207	0.241772309	3.45931E-06	0.000195079	0.001315416	0.002750259	0.000248993
2100 Feb	0.00067057	0.00212701	0.262947559	1.69911E-05	2.916966915	8.504235268	0.108984321	0.000788787	32.40591049	0.003680153	0.018288087	0.000836022	0.000449135	0.000222226	0.241795927	3.4596E-06	0.000195107	0.00131548	0.002750394	0.000249036
2100 Mar	0.000670877	0.002127963	0.26306662	1.69985E-05	2.918275356	8.508061409	0.109033898	0.000789148	32.42005157	0.003681743	0.018296245	0.00083637	0.000449322	0.00022232	0.24190481	3.46111E-06	0.000195193	0.001316065	0.00275156	0.00024914
2100 Apr	0.000675146	0.002141474	0.264739394	1.71064E-05	2.936815262	8.562083244	0.1097278	0.000794156	32.62545776	0.003705085	0.018412394	0.000841675	0.000452167	0.000223729	0.243442059	3.48306E-06	0.000196431	0.001324432	0.002769	0.000250716
2100 May	0.00072188	0.002199679	0.278213859	1.72444E-05	3.043069839	8.980183601	0.118208528	0.000795187	33.76071548	0.003803725	0.018738296	0.000934827	0.000471315	0.00023472	0.254559368	3.50718E-06	0.000200176	0.001419876	0.002829905	0.000256
2100 Jun	0.000725094	0.001930581	0.268932343	1.49973E-05	2.805576801	7.967071533	0.121571392	0.000579759	27.9318428	0.003415044	0.01641243	0.00101402	0.00045055	0.00021755	0.238601372	3.05446E-06	0.000167179	0.001474965	0.002662412	0.000209096
2100 Jul	0.000711624	0.001941626	0.268372655	1.55832E-05	2.812512875	7.929331779	0.11940483	0.000572187	28.18498421	0.00347862	0.016798839	0.000996693	0.000473104	0.000218909	0.236929402	3.17618E-06	0.000169739	0.001484276	0.002821384	0.000214579
2100 Aug	0.000666865	0.001938135	0.258219481	1.60643E-05	2.761790752	7.832530975	0.111417942	0.00059292	28.89011574	0.003497437	0.016899915	0.00092739	0.000476391	0.000217453	0.229463518	3.27436E-06	0.000172423	0.001398373	0.002870396	0.000224155
2100 Sep	0.000625223	0.001924293	0.246841699	1.62763E-05	2.706647635	7.726918697	0.103836298	0.000625118	29.42907906	0.00348856	0.016816529	0.00085835	0.000468262	0.000215149	0.222477317	3.31743E-06	0.000174353	0.001304145	0.002847065	0.000231534
2100 Oct	0.000609809	0.001927556	0.242547497	1.63347E-05	2.688362598	7.744465828	0.100920588	0.00064666	29.9840374	0.003498171	0.01682814	0.000831537	0.000466176	0.000214992	0.22035189	3.32947E-06	0.000176614	0.001267882	0.002829661	0.000237551
2100 Nov	0.000606239	0.001927733	0.24146378	1.6332E-05	2.682976484	7.749409676	0.100254245	0.000651432	30.12988281	0.003500823	0.016819153	0.000825475	0.000465799	0.000214974	0.219832733	3.3291E-06	0.000177139	0.001259511	0.002823523	0.000239238
2100 Dec	0.000606828	0.001930109	0.241728127	1.63535E-05	2.686104298	7.758451462	0.10034585	0.000652429	30.16570854	0.003504735	0.016841084	0.000826194	0.000466281	0.00021521	0.2200744	3.33346E-06	0.000177364	0.001260698	0.002826885	0.000239499
2101 Jan	0.000607176	0.001931654	0.241890833	1.63678E-05	2.68810606	7.764579296	0.10039895	0.000653134	30.19029808	0.003507158	0.016855277	0.000826563	0.000466576	0.000215357	0.220225409	3.33632E-06	0.000177514	0.001261369	0.002829005	0.000239668
2101 Feb	0.000607391	0.001932472	0.241983369	1.6375E-05	2.68920207	7.76796627	0.100432873	0.000653486	30.20331192	0.003508441	0.016862543	0.000826777	0.000466733	0.000215434	0.220310584	3.33777E-06	0.00017759	0.001261774	0.002830089	0.000239754
2101 Mar	0.000607628	0.001933196	0.242076337	1.6381E-05	2.690221786	7.770906448	0.10047204	0.000653733	30.21421814	0.003509702	0.016868813	0.00082707	0.000466895	0.000215511	0.220394447	3.339E-06	0.000177655	0.00126225	0.002831098	0.000239836
2101 Apr	0.000609974	0.001940474	0.243001506	1.6442E-05	2.700417519	7.800204277	0.100860633	0.00065616	30.32629204	0.003522831	0.016932067	0.000830197	0.000468631	0.000216314	0.221233338	3.35144E-06	0.000178317	0.001267085	0.002841636	0.000240716
2101 May	0.000672805	0.002019991	0.261159539	1.66679E-05	2.851723433	8.248433113	0.111905947	0.000663559	31.15995789	0.003637327	0.017396774	0.000931043	0.000481418	0.000227586	0.236466244	3.39455E-06	0.000182267	0.001379232	0.002889432	0.000242095

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.000716503	0.001946495	0.2683945	1.55729E-05	2.8320508	8.031354904	0.120483436	0.000578998	28.67221069	0.003498126	0.016593894	0.001019454	0.000468068	0.000223655	0.238909557	3.17237E-06	0.000169298	0.001468294	0.002778244	0.000217733
2101 Jul	0.00074954	0.002040077	0.281521589	1.64141E-05	2.968946695	8.392546654	0.126059532	0.000602657	29.94425964	0.003670584	0.01745888	0.001066842	0.000493748	0.000234207	0.250068307	3.34393E-06	0.000177401	0.001543099	0.002939849	0.000227622
2101 Aug	0.000790625	0.002160041	0.297925919	1.74764E-05	3.142945766	8.85943985	0.132877097	0.000638615	31.52634621	0.003873301	0.018546592	0.00112414	0.000521066	0.000247115	0.264118552	3.55886E-06	0.000187494	0.00162831	0.003123864	0.000238332
2101 Sep	0.000790215	0.002255318	0.303417087	1.86757E-05	3.248700619	9.183380127	0.132099852	0.000699077	33.20454407	0.00401877	0.019590294	0.001111827	0.000539498	0.000254855	0.269893885	3.79958E-06	0.000198315	0.001632035	0.003295117	0.000249932
2101 Oct	0.000749311	0.00222211	0.290631145	1.83994E-05	3.15413022	9.049316406	0.124611616	0.000724022	33.61906433	0.003966664	0.019295473	0.001044506	0.000528067	0.000249607	0.2612333	3.74469E-06	0.000199248	0.001544813	0.003207763	0.000256996
2101 Nov	0.000680759	0.002152114	0.26852423	1.77522E-05	2.978522301	8.768701553	0.112089127	0.000758154	33.95197678	0.003845333	0.018665733	0.000932588	0.000503922	0.000238982	0.24568592	3.6145E-06	0.000198975	0.001397001	0.003030244	0.000265299
2101 Dec	0.000671668	0.002148175	0.265874833	1.77144E-05	2.959857464	8.744768143	0.110347927	0.000766903	34.05809402	0.003834413	0.018641047	0.000916663	0.000500743	0.000237763	0.243905753	3.60677E-06	0.000199531	0.001376857	0.003010632	0.000266766
2102 Jan	0.000671505	0.002148265	0.265829146	1.77142E-05	2.959621429	8.745080948	0.110314503	0.000767222	34.0645752	0.003834448	0.018641641	0.000916273	0.000500687	0.000237746	0.243883595	3.60673E-06	0.000199563	0.001376443	0.003010194	0.000266834
2102 Feb	0.000671702	0.00214892	0.265905946	1.77189E-05	2.960477352	8.747778893	0.110345356	0.000767516	34.07460403	0.003835439	0.018647144	0.000916421	0.000500789	0.0002378	0.243955284	3.60768E-06	0.000199624	0.001376789	0.003010836	0.000266903
2102 Mar	0.000672103	0.00215013	0.266060501	1.77285E-05	2.962162971	8.752734184	0.110411279	0.000767945	34.09310532	0.003837536	0.018657485	0.000916915	0.000501052	0.000237927	0.244096041	3.60963E-06	0.000199734	0.001377584	0.003012426	0.000267042
2102 Apr	0.00067403	0.002156218	0.266819447	1.77784E-05	2.970578194	8.777531624	0.110728063	0.000770105	34.18896103	0.003848371	0.01871022	0.000919517	0.000502463	0.000238597	0.244790897	3.6198E-06	0.000200296	0.001381519	0.003020912	0.000267789
2102 May	0.000683358	0.002185923	0.270507485	1.80233E-05	3.01156354	8.898398399	0.112261049	0.000780676	34.65809631	0.003901321	0.018968038	0.000932244	0.000509374	0.000241882	0.248169586	3.66964E-06	0.000203049	0.00140063	0.003062526	0.000271454
2102 Jun	0.000447855	0.001719209	0.199510708	1.62418E-05	2.297234297	6.774530888	0.073218383	0.000605618	28.5789299	0.003230121	0.016245993	0.000595113	0.000483704	0.000188063	0.17971684	3.30175E-06	0.00016937	0.001081558	0.002994394	0.000235119
2102 Jul	0.000357681	0.001551965	0.175388172	1.60974E-05	2.051249027	5.859924793	0.058422826	0.000518624	25.76067924	0.003024946	0.01558117	0.000467445	0.000490392	0.000168313	0.154051632	3.27371E-06	0.000156779	0.000987948	0.00311285	0.000219702
2102 Aug	0.000367802	0.001638205	0.184188187	1.72539E-05	2.161398172	6.083865166	0.059735402	0.000548697	26.66833496	0.003164908	0.016587567	0.00047568	0.000511606	0.000175333	0.160667643	3.50655E-06	0.000164495	0.001020757	0.003307451	0.000225637
2102 Sep	0.000363468	0.001671333	0.18517147	1.77132E-05	2.195210695	6.123297215	0.058502987	0.000574579	26.92105865	0.003202527	0.016957706	0.000461952	0.000509838	0.000176775	0.162011907	3.59925E-06	0.000167647	0.001002924	0.003343792	0.000227019
2102 Oct	0.000330382	0.001624398	0.172086447	1.6875E-05	2.086106062	5.822061062	0.05155018	0.000613654	25.90917969	0.003033902	0.016347082	0.000398147	0.000455633	0.000165989	0.153581336	3.42951E-06	0.000164089	0.000876742	0.0030449	0.000218443
2102 Nov	0.000330292	0.001631713	0.172361508	1.69267E-05	2.091974497	5.836765766	0.051394206	0.00062057	25.97680473	0.003039143	0.016418422	0.000396182	0.000454413	0.000166154	0.153966054	3.43981E-06	0.000164866	0.000873858	0.003043462	0.000218807
2102 Dec	0.000330609	0.00163381	0.17256245	1.69485E-05	2.094494581	5.843221188	0.05143369	0.000621596	26.00290298	0.003042219	0.01644076	0.000396431	0.000454778	0.000166315	0.154139102	3.44421E-06	0.000165072	0.000874592	0.003046741	0.000218982
2103 Jan	0.000330771	0.001634649	0.17265065	1.69568E-05	2.095541	5.845867634	0.051455572	0.000621997	26.01238441	0.00304337	0.016449472	0.000396543	0.000454901	0.000166374	0.154213831	3.44587E-06	0.00016515	0.000874922	0.003047924	0.000219036
2103 Feb	0.000330971	0.001635412	0.172741234	1.6964E-05	2.096563339	5.848608494	0.051486939	0.00062228	26.02275467	0.003044646	0.016456891	0.000396736	0.000455073	0.000166443	0.154292315	3.44734E-06	0.00016522	0.000875366	0.00304915	0.000219112
2103 Mar	0.000331259	0.001636688	0.172882721	1.69769E-05	2.098232985	5.853218079	0.051532499	0.00062275	26.04237556	0.003046984	0.016469544	0.000397063	0.000455416	0.00016657	0.154417604	3.44995E-06	0.000165346	0.000876088	0.003051452	0.000219273
2103 Apr	0.000332596	0.001643207	0.173575178	1.70443E-05	2.106609583	5.876558781	0.051740889	0.000625221	26.14571762	0.003059099	0.016535031	0.000398656	0.000457223	0.000167232	0.155035481	3.46365E-06	0.000166002	0.000879601	0.003063562	0.000220141
2103 May	0.000435774	0.001779354	0.201561943	1.71536E-05	2.346588373	6.752580643	0.070000842	0.000648051	28.55307579	0.003279978	0.017076416	0.000563838	0.000479717	0.000188234	0.180699781	3.48474E-06	0.000174604	0.001050296	0.003081057	0.000233777
2103 Jun	0.00062129	0.001811428	0.241974652	1.52414E-05	2.579358101	7.409543514	0.104223482	0.000546266	27.64813614	0.003318376	0.016030766	0.000883717	0.000472079	0.000206656	0.214048266	3.10137E-06	0.000163203	0.001349634	0.002816745	0.000216155
2103 Jul	0.000617667	0.001848073	0.244934291	1.59258E-05	2.616653681	7.44397831	0.103558235	0.00054555	28.05869865	0.003406896	0.016551459	0.000878374	0.000491632	0.000209716	0.215270042	3.24299E-06	0.000166834	0.001363544	0.00296167	0.000222195
2103 Aug	0.000582204	0.001901944	0.242685258	1.69661E-05	2.613977671	7.382977009	0.096645251	0.000561774	28.57904434	0.003458644	0.017205305	0.000821929	0.000493968	0.000209093	0.210751191	3.45276E-06	0.000170779	0.001281537	0.003058634	0.000227907
2103 Sep	0.000529541	0.001871476	0.227426291	1.6774E-05	2.506207943	7.155398846	0.086600311	0.000601864	28.60995102	0.003368176	0.016933979	0.000730565	0.000466544	0.000201054	0.200030088	3.41271E-06	0.000171013	0.001147404	0.002916266	0.000230381
2103 Oct	0.000439857	0.001784457	0.197623521	1.57621E-05	2.277541876	6.678483963	0.069361456	0.000674803	28.28559494	0.003162993	0.016138781	0.000571101	0.000408568	0.000183724	0.180082306	3.20959E-06	0.00017047	0.000924843	0.002577776	0.00023401
2103 Nov	0.000420871	0.001773805	0.19150503	1.5585E-05	2.235215902	6.585965633	0.06551712	0.000699461	28.26747513	0.003127238	0.016061347	0.000534423	0.000395356	0.000180093	0.176333934	3.17484E-06	0.000171482	0.000876611	0.002504439	0.000235472
2103 Dec	0.000420956	0.001775096	0.191584811	1.55959E-05	2.236477613	6.589781761	0.065516874	0.000700362	28.28652	0.003128986	0.016074102	0.000534343	0.000395456	0.000180174	0.176422521	3.17705E-06	0.000171627	0.000876666	0.002505523	0.000235626
2104 Jan	0.000421014	0.00177552	0.191616148	1.55989E-05	2.236917496	6.591133118	0.065521963	0.000700659	28.2923851	0.00312951	0.016078001	0.000534309	0.00039547	0.000180196	0.17645666	3.17765E-06	0.000171673	0.000876714	0.002505741	0.000235669
2104 Feb	0.000421153	0.001775977	0.191670895	1.56022E-05	2.237513757	6.592848301	0.065543301	0.000700861	28.29839897	0.003130182	0.016081946	0.00053441	0.000395531	0.000180231	0.176506668	3.17833E-06	0.000171713	0.000876951	0.002506172	0.00023571
2104 Mar	0.000421548	0.001777533	0.191845328	1.56156E-05	2.239509821	6.598620892	0.065605149	0.000701468	28.32204819	0.003132846	0.016095977	0.000534877	0.000395858	0.000180383	0.176665202	3.18105E-06	0.00017186	0.000877751	0.00250829	0.0002359
2104 Apr	0.000424223	0.001788727	0.193058163	1.57138E-05	2.253638744	6.640204906	0.066021882	0.000705873	28.4999485	0.003152556	0.016197262	0.000538256	0.000398346	0.000181517	0.177781045	3.20105E-06	0.00017294	0.00088331	0.002524057	0.000237379
2104 May	0.000546271	0.001925842	0.22834757	1.61666E-05	2.542999983	7.375387669	0.087582201	0.000704859	29.32131195	0.003354774	0.017099719	0.000729466	0.000424317	0.000200978	0.206484407	3.29046E-06	0.00017864	0.001115318	0.002650756	0.000234167
2104 Jun	0.000653239	0.001859516	0.250533998	1.49165E-05	2.635766029	7.366836071	0.108412981	0.000571348	26.4611702	0.003283289	0.016148634	0.000922685	0.000429841	0.000205506	0.221183687	3.04025E-06	0.00016228	0.001340758	0.002609107	0.000204229
2104 Jul	0.000682333	0.001952347	0.263975888	1.59555E-05	2.772167206	7.67258215	0.113335982	0.000586606	27.45407486	0.003452805	0.017138408	0.000964773	0.000459437	0.000215179	0.231344387	3.25128E-06	0.000169853	0.001418291	0.002820063	0.000211442
2104 Aug	0.000699425	0.002046591	0.274415523	1.70566E-05	2.894494534	7.960133076	0.115889616	0.000617333	28.55134773	0.00360093	0.018112339	0.000985117	0.000479471	0.000223561	0.239552468	3.47279E-06	0.000177731	0.00145627	0.002994156	0.000218371
2104 Sep	0.00063566	0.001987286	0.25550285	1.69362E-05	2.766057014	7.643764019	0.104407661	0.00064236	28.40542412	0.003503333	0.017670672	0.000879698	0.000457751	0.000214951	0.226049602	3.44783E-06	0.000176042	0.001315227	0.002899776	0.000220503
2104 Oct	0.000552253	0.001906855	0.229678974	1.63633E-05	2.569271326	7.215616226	0.08882466	0.000691386	28.08020973	0.003329477	0.017073495	0.000736312	0.000418418	0.000200155	0.207452416	3.3302E-06	0.00017421	0.001127533	0.002689966	0.00022193
2104 Nov	0.000529202	0.001884616	0.222467259	1.61721E-05	2.512614965	7.091180801	0.084460258	0.000706238	27.96156693	0.003278749	0.016911156	0.000696108	0.000406599	0.00019575	0.202251002	3.29122E-06	0.000174445	0.001075447	0.002624995	0.000222245
2104 Dec	0.000529599	0.001886766	0.222681344	1.61922E-05	2.515219927	7.098006248	0.084512025	0.000707332	27.98734093	0.003281705	0.01693278	0.000696468	0.00040688	0.000195913	0.202440247	3.29526E-06	0.000174649	0.001076181	0.002627686	0.000222408
2105 Jan	0.000529654	0.001887299	0.222719967	1.61967E-05	2.515775681	7.099680901	0.084515572	0.000707692	27.9946804	0.00328236	0.01693802	0.000696423	0.000406913	0.000195942	0.20247969	3.29617E-06	0.000174706	0.001076232	0.002628126	0.000222457
2105 Feb	0.000529767	0.001887681	0.22276403	1.61994E-05	2.516272068	7.101170063	0.084533118	0.000707864	28.00031471	0.003282958	0.01694122	0.000696505	0.00040697	0.000195973	0.202521488	3.29672E-06	0.000174741	0.001076426	0.002628489	0.000222499
2105 Mar	0.000529946	0.001888231	0.222834468	1.62039E-05	2.517033815	7.103277683	0.084562011	0.000708058	28.00793076	0.003283888	0.016946046	0.000696714	0.000407081	0.000196028	0.202584386	3.29763E-06	0.000174789	0.001076774	0.002629208	0.000222556
2105 Apr	0.000531786	0.001894737	0.223605677	1.62596E-05	2.525723696	7.127771378	0.084856041	0.000710488	28.10407639	0.003295186	0.017004361	0.00069912	0.000408479	0.000196701	0.203284755	3.30896E-06	0.00017539	0.001080507	0.002638242	0.000223318
2105 May	0.000598171	0.001974165	0.242640972	1.64503E-05	2.680166483	7.593527317	0.096574873	0.000715126	28.94220924	0.003411587	0.017484942	0.000803697	0.000424052	0.000207935	0.219039351	3.34522E-06	0.000179468	0.001205407	0.002695394	0.000224701
2105 Jun	0.000691723	0.002008074	0.26685077	1.61685E-05	2.8342278	7.922341824	0.113961868	0.000655124	28.30515862	0.003472917	0.017505862	0.000963453	0.0004411	0.000218143	0.236642122	3.28682E-06	0.000175328	0.00139586	0.0027453	0.000212598
2105 Jul	0.000731653	0.002126273	0.284065872	1.7303E-05	3.002859831	8.331415176	0.1205642	0.000679821	29.50697899	0.003657107	0.018645428	0.001021053	0.000467699	0.000229655	0.249803767	3.51519E-06	0.000184073	0.001481581	0.002944495	0.000219224
2105 Aug	0.000679653	0.002078734	0.270392954	1.73235E-05	2.89225626	8.046687126	0.111511111	0.000671798	29.23908424	0.003574947	0.018249311	0.000944289	0.00045407	0.000222761	0.237901077	3.51787E-06	0.000180376	0.001365456	0.00289273	0.000219392
2105 Sep	0.000555795	0.001918658	0.2288858	1.62857E-05	2.585340977	7.421677589	0.089739017	0.000704747	29.20370102	0.003353389	0.016717995	0.000746779	0.000409273	0.000205247	0.209576383	3.30965E-06	0.000174497	0.001088419	0.002596598	0.000229447
2105 Oct	0.000484922	0.001859404	0.204976097	1.55694E-05	2.412025213	7.235311031	0.076743864	0.00075846	30.40068626	0.003285557	0.01608556	0.000627843	0.000390663	0.000197071	0.194922313	3.16993E-06	0.000177782	0.000936079	0.002407501	0.000248979
2105 Nov	0.000461959	0.001848253	0.197630093	1.53896E-05	2.361400843	7.185118198	0.072369978	0.000782529	30.84173203	0.00327095	0.015977541	0.000587239	0.000384409	0.000194463	0.190552846	3.1357E-06	0.00017841	0.000886677	0.002349796	0.000255887
2105 Dec	0.000461958	0.001849258	0.197669402	1.53976E-05	2.362260342	7.188546658	0.072358333	0.000783319	30.86171532	0.00327244	0.01598707	0.000587073	0.000384515	0.000194532	0.190612271	3.13734E-06	0.000179969	0.000886603	0.00235057	0.000256064
2106 Jan	0.000461999	0.001849661	0.197693661	1.54003E-05	2.362649679	7.190076351	0.072361261	0.000783612	30.86948967	0.00327303	0.015990587	0.000587022	0.000384553	0.000194557	0.190643013	3.1379E-06	0.000180017	0.000886638	0.002350805	0.000256129
2106 Feb	0.000462096	0.001849977	0.19772917	1.54022E-05	2.363051653	7.191422462	0.0723764	0.000783767	30.87473297	0.00327351	0.015993048	0.000587071	0.000384596	0.000194581	0.190678284	3.13828E-06	0.000180048	0.000886796	0.002351032	0.000256169
2106 Mar	0.000462341	0.001850904	0.197831228	1.54097E-05	2.364245415	7.195036888	0.072414473	0.000784168	30.88945961	0.003275063	0.016001051	0.000587339	0.00038477	0.000194671	0.19077526	3.1398E-06	0.000180136	0.000887248	0.002352129	0.000256284
2106 Apr	0.00046446	0.001859317	0.198734567	1.54796E-05	2.375012636	7.227764606	0.072746739	0.000787722	31.02943802	0.003289929	0.016073713	0.000590014	0.000386514	0.000195554	0.19164519	3.15404E-06	0.000180953	0.000891308	0.002362791	0.000257443
2106 May	0.000500679	0.001935275	0.210730761	1.59276E-05	2.490682125	7.603033066	0.078965716	0.000808499	32.24792862	0.003419008	0.016656086	0.000644188	0.000404649	0.000204873	0.202243969	3.24477E-06	0.000187372	0.000963731	0.002450816	0.000265623
2106 Jun	0.000589068	0.001856205	0.232304037	1.5235E-05	2.553150654	7.48940134	0.097141549	0.00063517	29.28886414	0.003373399	0.016116273	0.000816725	0.000446623	0.000207333	0.211847886	3.10593E-06	0.000171372	0.00122638	0.002644058	0.000236834
2106 Jul	0.000588985	0.001914004	0.239417881	1.65151E-05	2.631370306	7.573449135	0.097265825	0.000628539	29.79144669	0.003516292	0.01712993	0.000816427	0.000487649	0.000212537	0.21478869	3.36598E-06	0.000177199	0.001282715	0.002954749	0.000242537
2106 Aug	0.000533655	0.001897314	0.227711678	1.69865E-05	2.545918465	7.331676006	0.087354071	0.000631064	29.82062531	0.003477506	0.017139301	0.000731745	0.000481441	0.000206907	0.203681201	3.45989E-06	0.00017649	0.001166945	0.00297613	0.000245236
2106 Sep	0.000453682	0.001813374	0.201836273	1.65333E-05	2.373420477	6.935982227	0.072772123	0.000676301	29.56946182	0.003314576	0.016302478	0.000596893	0.000436266	0.000195239	0.18662177	3.36512E-06	0.000172977	0.000959919	0.00274632	0.000245805
2106 Oct	0.000428116	0.001798413	0.193021894	1.62711E-05	2.316486597	6.895823956	0.067867331	0.00070899	30.07233047	0.003281823	0.01608805	0.000550825	0.000422665	0.000192263	0.181813598	3.31215E-06	0.000174656	0.000892717	0.002646532	0.000252092
2106 Nov	0.000428853	0.001802832	0.19339627	1.63088E-05	2.321588039	6.912590027	0.067969523	0.00071131	30.15374565	0.003289581	0.016127132	0.00055156	0.000423516	0.000192697	0.182209149	3.31983E-06	0.000175128	0.000894067	0.002651805	0.000252796
2106 Dec	0.000429051	0.001804023	0.193505436	1.632E-05	2.323009729	6.916850567	0.067995936	0.000711922	30.17204285	0.003291386	0.016138513	0.000551743	0.00042372	0.0001928	0.182312414	3.32208E-06	0.000175248	0.000894434	0.002653347	0.000252929
2107 Jan	0.000429175	0.00180468	0.193568423	1.63258E-05	2.323810816	6.919325829	0.068013057	0.000712264	30.18206596	0.003292322	0.016144643	0.000551835	0.000423808	0.000192854	0.182371601	3.32326E-06	0.000175313	0.000894645	0.002654125	0.000252995
2107 Feb	0.000429366	0.001805409	0.193650618	1.63321E-05	2.324768543	6.922178745	0.068043247	0.000712561	30.19345665	0.003293538	0.016151084	0.000552037	0.000423954	0.000192924	0.182447553	3.32454E-06	0.000175381	0.000895013	0.002655088	0.000253081
2107 Mar	0.000429803	0.001807158	0.193843246	1.63477E-05	2.327046871	6.928910255	0.068112947	0.000713239	30.22217751	0.003296706	0.016166652	0.000552583	0.000424359	0.000193109	0.182627708	3.32772E-06	0.000175548	0.000895913	0.002657626	0.000253319
2107 Apr	0.00043079	0.001811255	0.194285497	1.63847E-05	2.332336426	6.944630146	0.068269499	0.000714849	30.29038239	0.003304166	0.016203253	0.000553842	0.000425318	0.000193546	0.183043644	3.33524E-06	0.000175945	0.000897963	0.002663631	0.000253889
2107 May	0.000477083	0.001859928	0.207025126	1.64167E-05	2.43281126	7.24054718	0.076441757	0.000715963	30.72126389	0.003372982	0.016461037	0.000626888	0.000433361	0.000200696	0.193669021	3.34068E-06	0.000178086	0.000982938	0.002684163	0.000253796
2107 Jun	0.000625554	0.001953036	0.246887907	1.61938E-05	2.706231117	7.854155064	0.103239939	0.000660427	30.1520195	0.003500069	0.016909357	0.000869569	0.000456107	0.000217544	0.223692343	3.29346E-06	0.000176457	0.001277224	0.002759686	0.000237498
2107 Jul	0.000652039	0.002038014	0.260036319	1.71786E-05	2.827596903	8.095789909	0.107624143	0.00066854	30.70911026	0.003627683	0.017847594	0.000908561	0.000478556	0.000224898	0.232393146	3.49106E-06	0.000182068	0.001343895	0.002946359	0.000239189
2107 Aug	0.000677008	0.002136648	0.272294044	1.81685E-05	2.956870079	8.424639702	0.111586407	0.000695728	31.87702942	0.003781579	0.018793155	0.000942732	0.000499153	0.000234074	0.241997391	3.69047E-06	0.000189936	0.001395346	0.003105101	0.0002468
2107 Sep	0.000670792	0.002178781	0.273198575	1.86293E-05	2.985734224	8.55370903	0.110052198	0.000725228	32.72609329	0.00383609	0.019214636	0.000927849	0.000503758	0.00023645	0.243157417	3.78276E-06	0.000194861	0.001379015	0.003151357	0.00025348
2107 Oct	0.000618887	0.002119091	0.256230116	1.80614E-05	2.844592333	8.327634811	0.100641415	0.000745342	32.86559677	0.003727471	0.018658927	0.000844013	0.000483815	0.000227686	0.230837137	3.66776E-06	0.000193639	0.001265837	0.003004292	0.000258319
2107 Nov	0.000598402	0.002098979	0.24963592	1.78576E-05	2.791605949	8.249881744	0.096863896	0.000757074	32.9778862	0.003687817	0.018475693	0.000809962	0.000475785	0.000224344	0.226176038	3.62639E-06	0.000193637	0.001220711	0.002946611	0.000260635
2107 Dec	0.0005986	0.002100508	0.249759004	1.78709E-05	2.793255091	8.255435944	0.096886307	0.000757945	33.00346756	0.003690041	0.018490151	0.000810099	0.000476012	0.000224467	0.226296574	3.62907E-06	0.000193799	0.001221052	0.002948308	0.000260828
2108 Jan	0.000598638	0.002100914	0.249783307	1.78738E-05	2.793636799	8.257091522	0.096889146	0.000758224	33.01205444	0.003690644	0.018493591	0.000810062	0.000476061	0.000224496	0.226326481	3.62964E-06	0.000193847	0.001221083	0.00294858	0.000260898
2108 Feb	0.000598745	0.002101278	0.249824926	1.78763E-05	2.794099808	8.258639336	0.096906006	0.000758386	33.01809311	0.003691208	0.018496538	0.000810141	0.00047612	0.000224526	0.22636579	3.63015E-06	0.000193881	0.001221267	0.002948919	0.000260942
2108 Mar	0.000599425	0.002103606	0.250105441	1.78958E-05	2.797212362	8.267819405	0.097016305	0.000759222	33.05420303	0.003695256	0.01851693	0.000811032	0.000476637	0.000224771	0.226619184	3.63412E-06	0.000194094	0.00122264	0.002952125	0.000261223
2108 Apr	0.000604735	0.002121832	0.252299637	1.80498E-05	2.821592093	8.33956337	0.097877614	0.000765731	33.33753967	0.003727143	0.018676886	0.000818098	0.000480732	0.000226706	0.228601485	3.66538E-06	0.000195763	0.001233409	0.002977506	0.000263445

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.000619234	0.002167405	0.258063996	1.8416E-05	2.883657932	8.522116661	0.10023009	0.000782019	34.0062027	0.003802176	0.019073386	0.000836238	0.000490025	0.000231296	0.233721375	3.73945E-06	0.000199797	0.001261795	0.003036356	0.000268243
2108 Jun	0.000556237	0.00194223	0.237402096	1.74069E-05	2.616510153	7.531991482	0.090480462	0.000664962	29.44962502	0.003421176	0.01787441	0.000749191	0.000474293	0.00020516	0.208805069	3.52471E-06	0.000178423	0.001217278	0.00303033	0.000227545
2108 Jul	0.00055455	0.001973762	0.241464853	1.82233E-05	2.661819935	7.556261539	0.090212606	0.000662808	29.56755257	0.003495875	0.018536014	0.000744692	0.000498335	0.000207382	0.210124552	3.68826E-06	0.000181667	0.00125249	0.003229318	0.000228495
2108 Aug	0.000584934	0.002099995	0.256556571	1.95575E-05	2.831771135	7.995579243	0.095015183	0.000705325	31.22099686	0.003707449	0.019825663	0.000783087	0.000529571	0.00021955	0.222564831	3.95705E-06	0.000193024	0.001325917	0.003462433	0.000239987
2108 Sep	0.000592004	0.002178019	0.263681471	2.05733E-05	2.927931309	8.239922523	0.095791124	0.000740829	32.26957321	0.00382816	0.020747826	0.000785783	0.000549201	0.000225775	0.228238806	4.16064E-06	0.000200953	0.001353807	0.003635147	0.000246544
2108 Oct	0.00049228	0.002003094	0.227696165	1.88635E-05	2.607357502	7.504498959	0.077753358	0.000755593	30.69449615	0.003493706	0.01912857	0.000625589	0.000485389	0.000202296	0.201347589	3.81497E-06	0.000190881	0.00112141	0.003229741	0.00023917
2108 Nov	0.000476985	0.001983421	0.2224828	1.86403E-05	2.563240051	7.396297455	0.074796207	0.000765512	30.44849586	0.003443402	0.018958293	0.00059861	0.000473112	0.000198521	0.197567239	3.7696E-06	0.00019003	0.001082408	0.003161484	0.000237703
2108 Dec	0.000477356	0.001985675	0.222700983	1.86623E-05	2.565921783	7.403520107	0.074843049	0.000766651	30.47702599	0.003446575	0.018981736	0.000598918	0.000473466	0.000198691	0.197756857	3.77403E-06	0.000190251	0.001083198	0.003164662	0.00023789
2109 Jan	0.000477445	0.00198619	0.222748786	1.86667E-05	2.5665133	7.40516901	0.074853398	0.00076695	30.48324966	0.003447213	0.018986844	0.000598939	0.00047351	0.000198722	0.197800502	3.77491E-06	0.000190302	0.001083337	0.003165168	0.000237927
2109 Feb	0.000477596	0.001986707	0.222810924	1.86709E-05	2.567196846	7.407138824	0.074877001	0.000767164	30.49043655	0.00344802	0.018991493	0.000599071	0.000473601	0.000198765	0.197856173	3.77574E-06	0.000190349	0.001083625	0.003165792	0.000237977
2109 Mar	0.000478191	0.001989069	0.223082021	1.86928E-05	2.570281267	7.415977955	0.074970968	0.00076806	30.52601433	0.003452088	0.019013915	0.000599795	0.000474154	0.000198999	0.198095873	3.78017E-06	0.000190572	0.001084952	0.003169494	0.000238251
2109 Apr	0.000481016	0.002000698	0.224392682	1.88017E-05	2.585342646	7.459373474	0.075414404	0.000772534	30.70384598	0.003472244	0.01912492	0.000603317	0.000476918	0.00020016	0.19925873	3.80221E-06	0.000191683	0.001091336	0.003187968	0.000239635
2109 May	0.000545744	0.002023926	0.240468413	1.84263E-05	2.685745001	7.631000996	0.086929761	0.000746398	29.77393341	0.003463012	0.019069659	0.000708367	0.000468412	0.000204648	0.211245358	3.72346E-06	0.000187745	0.001196724	0.003127983	0.000224838
2109 Jun	0.000684997	0.002072519	0.276165366	1.78488E-05	2.910846949	7.971274853	0.112037003	0.000673135	27.6823864	0.003471645	0.019045055	0.000938397	0.000462311	0.000215407	0.237033561	3.60213E-06	0.000178918	0.001441589	0.003079784	0.000193557
2109 Jul	0.00070229	0.002134734	0.285343379	1.85554E-05	2.992769003	8.153190613	0.114976496	0.000673484	28.22755241	0.003567901	0.019653594	0.000967064	0.00047849	0.000221186	0.242871314	3.7442E-06	0.000182544	0.001480104	0.003204304	0.000196524
2109 Aug	0.000699276	0.002187657	0.288956106	1.91956E-05	3.030543804	8.272706032	0.114225656	0.000679775	29.00643349	0.003641875	0.020097191	0.000965111	0.000486948	0.000224883	0.244468138	3.87325E-06	0.000185965	0.00146421	0.003275893	0.000203176
2109 Sep	0.000643668	0.002139814	0.271080822	1.87513E-05	2.896925449	8.126925468	0.104315251	0.000704916	29.84752846	0.003575698	0.019496953	0.000878431	0.000470455	0.000219085	0.232571125	3.78477E-06	0.000186109	0.001332592	0.003129249	0.000215641
2109 Oct	0.000505615	0.001955597	0.222291037	1.68126E-05	2.500552654	7.449985027	0.079482049	0.000757168	30.15898705	0.003296851	0.017603811	0.000656022	0.000411981	0.000196267	0.199586645	3.39895E-06	0.000181633	0.001021289	0.002661179	0.000233534
2109 Nov	0.000497234	0.001954186	0.219688222	1.6769E-05	2.484861135	7.434126377	0.077830017	0.000768794	30.33031654	0.003293922	0.017588045	0.000640399	0.00040888	0.000195406	0.198176667	3.3909E-06	0.000182628	0.001001542	0.002638566	0.000236121
2109 Dec	0.000497676	0.001956628	0.219922811	1.67906E-05	2.487718821	7.442639351	0.077888794	0.000770029	30.3651104	0.003297401	0.017611515	0.000640826	0.00040924	0.000195603	0.198389128	3.39525E-06	0.000182867	0.001002352	0.002641474	0.000236364
2110 Jan	0.000497901	0.001957664	0.220030501	1.67994E-05	2.488976717	7.446345806	0.077920631	0.000770526	30.3793869	0.003298865	0.017621242	0.000641031	0.000409389	0.000195686	0.198485509	3.39702E-06	0.000182966	0.001002757	0.002642662	0.000236459
2110 Feb	0.000498134	0.001958506	0.22012952	1.68062E-05	2.490068913	7.449556351	0.07795696	0.00077087	30.39131927	0.003300162	0.017628774	0.000641275	0.000409536	0.00019576	0.198573425	3.3984E-06	0.000183042	0.001003196	0.002643674	0.000236542
2110 Mar	0.000498584	0.001960193	0.22032389	1.68205E-05	2.492239475	7.455992222	0.07802774	0.000771524	30.41687775	0.003302968	0.017643867	0.00064183	0.000409879	0.000195926	0.198747739	3.40128E-06	0.000183197	0.001004089	0.002645904	0.000236737
2110 Apr	0.000500358	0.001967109	0.221104681	1.68797E-05	2.501052141	7.482318401	0.078305684	0.000774237	30.52386284	0.00331461	0.017706063	0.000644102	0.000411322	0.000196616	0.199451432	3.41326E-06	0.000183842	0.001007655	0.00265522	0.000237568
2110 May	0.000525036	0.002014105	0.228013545	1.70353E-05	2.572223902	7.798325539	0.082774408	0.000788224	31.85009575	0.003420395	0.0179401	0.000683872	0.000427404	0.000204533	0.206753984	3.44613E-06	0.000188707	0.001056056	0.002697665	0.000248978
2110 Jun	0.000642442	0.001994852	0.249877572	1.57633E-05	2.70857358	8.444187164	0.10671407	0.000677896	33.57294464	0.003630363	0.016887471	0.000906864	0.000491493	0.000226835	0.228197023	3.2028E-06	0.000184862	0.001332231	0.002759446	0.00026968
2110 Jul	0.000649892	0.002050046	0.257508308	1.67681E-05	2.788017035	8.543124199	0.108015209	0.000676528	33.92057419	0.00374563	0.017715331	0.000917249	0.000519776	0.000231739	0.232345551	3.40644E-06	0.000189486	0.001381589	0.002985423	0.00027265
2110 Aug	0.000498117	0.001868966	0.215418711	1.63044E-05	2.423758268	7.342528343	0.081101932	0.000639829	31.03735542	0.003407318	0.016314104	0.000686383	0.00045574	0.000203775	0.195043907	3.3142E-06	0.000173523	0.001037098	0.002732126	0.000257825
2110 Sep	0.000412411	0.001784728	0.185396269	1.55267E-05	2.233398676	6.952741146	0.065116152	0.000715616	31.34065819	0.003280246	0.015429501	0.000534433	0.000409777	0.000192198	0.177863732	3.16236E-06	0.000174093	0.000821499	0.002447294	0.000269327
2110 Oct	0.000355728	0.001769375	0.16683729	1.5042E-05	2.119930506	6.765466213	0.053430606	0.00081108	31.92637062	0.003218036	0.015347123	0.000420211	0.000375548	0.000183246	0.168051079	3.07007E-06	0.000180786	0.000682118	0.002239305	0.000281079
2110 Nov	0.000346124	0.001765251	0.16357404	1.49086E-05	2.096268177	6.72646904	0.051416844	0.000827084	31.99303436	0.003203045	0.015325753	0.000400694	0.000369364	0.0001813	0.166197985	3.04427E-06	0.000181914	0.000659794	0.002197884	0.000282978
2110 Dec	0.000346293	0.001766884	0.16368717	1.49219E-05	2.097938776	6.731949806	0.05143011	0.000828152	32.01993942	0.003205443	0.015341329	0.000400724	0.000369557	0.000181421	0.166321769	3.04697E-06	0.000182098	0.000660039	0.002199396	0.000283201
2111 Jan	0.000346393	0.00176745	0.163733169	1.49257E-05	2.098551512	6.734081268	0.051442426	0.000828509	32.02970123	0.003206288	0.015346282	0.000400752	0.000369622	0.000181463	0.166372016	3.04775E-06	0.000182161	0.000660188	0.002199807	0.000283281
2111 Feb	0.000346509	0.001767818	0.163775861	1.4928E-05	2.099025488	6.735605717	0.05146043	0.000828686	32.03544235	0.00320685	0.015349253	0.000400827	0.000369673	0.000181491	0.166413426	3.04822E-06	0.000182196	0.000660383	0.002200091	0.000283324
2111 Mar	0.000347125	0.001770787	0.16405876	1.49527E-05	2.102590799	6.746972561	0.051552881	0.00083006	32.08845901	0.003212195	0.015374901	0.000401516	0.000370284	0.000181793	0.166698337	3.05326E-06	0.000182498	0.000661546	0.002203728	0.000283788
2111 Apr	0.000349396	0.00178226	0.165127158	1.50494E-05	2.116242647	6.790708065	0.051890902	0.000835422	32.29577255	0.003232984	0.015474447	0.000404131	0.000372679	0.000182969	0.167781904	3.07301E-06	0.000183678	0.000665869	0.002217984	0.000285618
2111 May	0.000415777	0.001861761	0.185706466	1.54772E-05	2.28128624	7.154730797	0.063566871	0.00082955	32.46405792	0.003343151	0.016125552	0.000507808	0.000389501	0.000192967	0.183347821	3.15766E-06	0.000186617	0.000799933	0.002328312	0.000280842
2111 Jun	0.000637076	0.001958526	0.248105213	1.55936E-05	2.688930273	7.762093067	0.104299314	0.000679433	29.47739601	0.003462038	0.016854674	0.000878426	0.000432469	0.000213778	0.225167826	3.17436E-06	0.000175997	0.001276003	0.002602623	0.000234233
2111 Jul	0.000680842	0.002085172	0.266395479	1.68142E-05	2.874106646	8.223672867	0.111610532	0.000709343	30.9454937	0.003678302	0.018097151	0.000940722	0.000465605	0.000226998	0.239803135	3.42087E-06	0.000186277	0.001377104	0.00283365	0.000243907
2111 Aug	0.000620359	0.002038926	0.252307326	1.71484E-05	2.762794256	7.905560493	0.101151459	0.000695619	30.58250999	0.003594773	0.017858716	0.000851742	0.000457437	0.000219486	0.226279408	3.48503E-06	0.000182465	0.001254987	0.002847245	0.000242181
2111 Sep	0.000558434	0.001979015	0.233302668	1.70473E-05	2.643959761	7.631544113	0.090122499	0.000723848	30.5909481	0.003500656	0.017337928	0.000749465	0.00043415	0.000212181	0.213536128	3.46232E-06	0.000180475	0.001109557	0.00274392	0.000244713
2111 Oct	0.000476064	0.001869262	0.203844771	1.59102E-05	2.410596132	7.290925503	0.075451627	0.000758844	31.14916611	0.003348373	0.01620462	0.000616854	0.000404465	0.00019976	0.194164351	3.23488E-06	0.00017867	0.000929532	0.00248208	0.00025833
2111 Nov	0.000434425	0.001831797	0.189844668	1.54472E-05	2.304588318	7.130767822	0.067640677	0.000791609	31.50372505	0.003288125	0.015852002	0.000544866	0.000388371	0.000193434	0.185219049	3.14377E-06	0.000179944	0.00083804	0.002355427	0.000266326
2111 Dec	0.000434025	0.001833943	0.189806893	1.54623E-05	2.305673361	7.137609005	0.067535669	0.000793921	31.55619621	0.003291223	0.015872423	0.000543748	0.000388457	0.000193539	0.18528074	3.14689E-06	0.000180276	0.000836967	0.002355999	0.000266844
2112 Jan	0.000434085	0.001834499	0.189838856	1.54658E-05	2.306205273	7.139936924	0.067541301	0.000794319	31.56865692	0.003292131	0.015876932	0.000543708	0.000388531	0.000193582	0.185324863	3.14761E-06	0.000180345	0.000837029	0.002356327	0.000266955
2112 Feb	0.000434279	0.001835237	0.189915061	1.54709E-05	2.307119131	7.143056393	0.067571484	0.000794673	31.58220291	0.003293398	0.015882842	0.000543867	0.000388666	0.000193651	0.185402617	3.14866E-06	0.000180419	0.000837367	0.002357037	0.000267067
2112 Mar	0.00043517	0.001838852	0.190297365	1.5501E-05	2.311704874	7.157175541	0.067710727	0.000796219	31.64350891	0.003299834	0.015913999	0.000544948	0.00038942	0.000194028	0.185773268	3.15479E-06	0.000180771	0.000839069	0.002361616	0.00026758
2112 Apr	0.000437629	0.001849147	0.191368416	1.55876E-05	2.324676514	7.197267056	0.068093978	0.000800661	31.82005119	0.003318284	0.01600302	0.000548011	0.000391595	0.000195112	0.186817005	3.17241E-06	0.00018178	0.000843805	0.00237481	0.00026907
2112 May	0.000522808	0.00194977	0.216305658	1.59417E-05	2.525922537	7.788717747	0.083416738	0.000793473	32.98054504	0.003494938	0.016648209	0.000685959	0.000421828	0.000210677	0.207013175	3.24354E-06	0.000187055	0.001017455	0.002500432	0.000273422
2112 Jun	0.000643371	0.001836482	0.242762253	1.44733E-05	2.590180635	7.606771469	0.107717365	0.00057825	28.85559654	0.003386751	0.015519254	0.000917421	0.000450541	0.000212528	0.22007139	2.94983E-06	0.000164078	0.001325585	0.002573343	0.000233275
2112 Jul	0.000619686	0.001841043	0.240952313	1.53099E-05	2.585416079	7.481082916	0.103844531	0.000562352	28.86691666	0.003453747	0.016055614	0.000881906	0.000480908	0.000212233	0.216145292	3.12104E-06	0.000166375	0.00133489	0.002805747	0.0002374
2112 Aug	0.000640227	0.001947556	0.252070963	1.64542E-05	2.723014832	7.889264107	0.107095197	0.00060241	30.65435028	0.003643484	0.017094906	0.000907527	0.000509438	0.000223349	0.225984842	3.35202E-06	0.000176732	0.001385241	0.003002132	0.000251143
2112 Sep	0.000620311	0.001985572	0.248377681	1.69832E-05	2.737685919	8.103039742	0.10343793	0.000644619	32.49248123	0.003734273	0.017416952	0.000872245	0.000522738	0.000227899	0.225455642	3.45897E-06	0.000183973	0.001346331	0.00306757	0.000268515
2112 Oct	0.000587362	0.001978477	0.237548828	1.67997E-05	2.674501181	8.205899239	0.09755408	0.000682464	34.1780777	0.003751722	0.017177759	0.000818994	0.000522672	0.000228056	0.220064104	3.42287E-06	0.00018842	0.001271753	0.002999142	0.000286913
2112 Nov	0.000582759	0.00198322	0.236182973	1.68122E-05	2.670222282	8.250358582	0.096694864	0.000692282	34.59692383	0.003764807	0.017186683	0.000810992	0.000523891	0.000228685	0.219672099	3.4256E-06	0.00018986	0.001260957	0.002993669	0.000291151
2112 Dec	0.000583202	0.001985329	0.236390844	1.68307E-05	2.67282176	8.2594347	0.096763313	0.000693253	34.63718796	0.003768395	0.017205536	0.000811532	0.000524385	0.000228904	0.219872773	3.42934E-06	0.000190081	0.001261903	0.002996643	0.000291466
2113 Jan	0.000583434	0.001986529	0.236501858	1.68409E-05	2.674266815	8.265061378	0.096799105	0.000693851	34.66250229	0.003770357	0.017215939	0.000811773	0.000524662	0.000229027	0.219983429	3.4314E-06	0.000190212	0.001262383	0.002998241	0.000291658
2113 Feb	0.000583646	0.001987256	0.236585394	1.68466E-05	2.675228119	8.268378258	0.096834138	0.000694137	34.67641068	0.00377166	0.017221911	0.000812015	0.00052484	0.000229105	0.220063329	3.43255E-06	0.000190284	0.001262811	0.002999198	0.000291768
2113 Mar	0.000585394	0.001993141	0.237290651	1.68962E-05	2.683174372	8.29288578	0.097124405	0.000696183	34.77854538	0.003782798	0.017272819	0.000814424	0.000526386	0.000229781	0.22071819	3.44268E-06	0.000190845	0.001266577	0.003008033	0.000292624
2113 Apr	0.000588638	0.002004143	0.238603368	1.69894E-05	2.697999477	8.338663101	0.097662665	0.000700018	34.97011566	0.003803659	0.017368114	0.000818922	0.000529286	0.000231048	0.221938431	3.46165E-06	0.000191897	0.001273586	0.003024611	0.000294234
2113 May	0.000632515	0.002085384	0.251117349	1.7218E-05	2.819179296	8.898309708	0.105473228	0.000726514	37.08841705	0.003949109	0.017761517	0.000888907	0.000549743	0.000243462	0.234340981	3.5062E-06	0.000199342	0.001350826	0.003069628	0.000309235
2113 Jun	0.000711361	0.002052049	0.267174214	1.60361E-05	2.873123884	9.018850327	0.120283142	0.000654324	35.49863052	0.003852866	0.017010052	0.001028427	0.000536927	0.000245585	0.245151982	3.2604E-06	0.000188238	0.001486442	0.002920134	0.000286819
2113 Jul	0.000745262	0.002166642	0.283378363	1.72611E-05	3.032817602	9.379550934	0.125821248	0.000676419	36.5690155	0.004032593	0.018195869	0.001076543	0.000564912	0.000256123	0.256967098	3.50686E-06	0.000196765	0.001566066	0.003140699	0.00029272
2113 Aug	0.000763333	0.002258148	0.293958187	1.82586E-05	3.146801472	9.656625748	0.128553048	0.0007017	37.59397125	0.004169752	0.019106222	0.001100181	0.000583135	0.000263945	0.264862567	3.7075E-06	0.000203953	0.001603287	0.003294702	0.00029922
2113 Sep	0.000699206	0.00219693	0.27464363	1.79302E-05	3.000214577	9.339733124	0.116879426	0.000725742	37.47034836	0.004052428	0.018592933	0.000995243	0.000557655	0.000254041	0.250586659	3.64075E-06	0.000202105	0.00145762	0.003157467	0.000301847
2113 Oct	0.000547264	0.002001843	0.225509137	1.63123E-05	2.58591485	8.322834015	0.088717557	0.000778222	35.59373474	0.003650457	0.017054347	0.000739798	0.00047528	0.00022172	0.213322848	3.31326E-06	0.000193603	0.001117204	0.002698376	0.000295242
2113 Nov	0.000513009	0.001980404	0.215279281	1.61049E-05	2.5105021	8.144980431	0.08199583	0.000809961	35.47915268	0.003589194	0.016941927	0.000676964	0.000456955	0.000215372	0.206225008	3.27207E-06	0.000194569	0.001038267	0.00260459	0.000296832
2113 Dec	0.000513291	0.001982522	0.215450674	1.61231E-05	2.512807608	8.152136803	0.082026117	0.00081121	35.5114824	0.003592232	0.016962398	0.000677131	0.000457228	0.000215533	0.206394166	3.27576E-06	0.000194793	0.001038737	0.002606848	0.000297079
2114 Jan	0.000513367	0.001983095	0.215493262	1.61274E-05	2.513403416	8.154127121	0.082033679	0.000811583	35.52075958	0.003593038	0.016967628	0.000677116	0.000457282	0.00021557	0.206440195	3.27663E-06	0.000194855	0.00103883	0.002607279	0.000297153
2114 Feb	0.000513508	0.00198358	0.215549842	1.6131E-05	2.514029741	8.156005859	0.082055166	0.000811805	35.52748108	0.003593735	0.016971841	0.000677218	0.000457347	0.000215607	0.206491917	3.27735E-06	0.000194899	0.001039072	0.002607743	0.000297197
2114 Mar	0.000514333	0.001986716	0.215893	1.61562E-05	2.518013	8.168884277	0.082186751	0.000813095	35.58299637	0.003599359	0.016998591	0.000678265	0.000458052	0.000215942	0.20682019	3.28247E-06	0.000195206	0.001040719	0.002611775	0.000297658
2114 Apr	0.000516368	0.001994505	0.216743946	1.62194E-05	2.527909517	8.200918198	0.082512274	0.000816271	35.72193909	0.003613448	0.017065175	0.000680932	0.000459843	0.000216786	0.207634002	3.29531E-06	0.000195969	0.001044828	0.002621988	0.000298818
2114 May	0.000578137	0.002044718	0.232992887	1.61605E-05	2.650646448	8.564478874	0.093755506	0.000802394	36.23065567	0.003706236	0.017244214	0.000782708	0.000474593	0.000226527	0.22114189	3.28372E-06	0.00019738	0.001163828	0.002655265	0.000299622
2114 Jun	0.000706183	0.002161409	0.269914865	1.65742E-05	2.93429184	9.215696335	0.116975039	0.000762966	36.55150604	0.003911634	0.018008389	0.000992014	0.000511204	0.000246118	0.249572501	3.36723E-06	0.000199845	0.001426473	0.002834491	0.000293781
2114 Jul	0.000764904	0.002329357	0.293660194	1.80621E-05	3.175170422	9.869534492	0.126760423	0.000807424	38.70428848	0.004189519	0.019559609	0.001076009	0.000551289	0.000263828	0.269068599	3.66723E-06	0.000213578	0.001552742	0.003102392	0.000307878
2114 Aug	0.000812938	0.002480219	0.313100815	1.93431E-05	3.383328676	10.4764328	0.134664327	0.000856707	40.93423843	0.004444395	0.020889588	0.001143063	0.000585164	0.000280007	0.286022156	3.92606E-06	0.000226723	0.001650448	0.003317894	0.000323975
2114 Sep	0.000763497	0.002446772	0.298922658	1.93617E-05	3.294527054	10.36197186	0.125910237	0.000881182	41.55179977	0.004395912	0.020617725	0.001063456	0.00057686	0.000275649	0.276245058	3.92926E-06	0.000227528	0.001545449	0.003274536	0.000331306
2114 Oct	0.00065831	0.002296492	0.263933182	1.81588E-05	2.997388601	9.728081703	0.107086502	0.000899596	40.77653885	0.004135126	0.019334339	0.000894896	0.000532427	0.000255404	0.249906093	3.68599E-06	0.000220906	0.001322074	0.002987048	0.000332032
2114 Nov	0.000580608	0.002197825	0.238647357	1.73245E-05	2.784580946	9.28394413	0.092870452	0.000926424	40.27630234	0.003944403	0.0185355	0.000766426	0.000497286	0.000240131	0.230947807	3.51636E-06	0.000217514	0.00115525	0.002770156	0.000332672
2114 Dec	0.000578046	0.002195993	0.237879634	1.73088E-05	2.778752804	9.273394585	0.092381775	0.00092845	40.28114319	0.003939768	0.018523959	0.000761915	0.000496187	0.000239694	0.230400488	3.51313E-06	0.00021757	0.001149627	0.002764006	0.00033286
2115 Jan	0.000578118	0.002196662	0.237921625	1.73135E-05	2.779405594	9.276237488	0.092388712	0.000928911	40.29561615	0.003940785	0.018529614	0.00076188	0.000496278	0.000239745	0.230452225	3.51408E-06	0.000217649	0.001149711	0.002764489	0.000332979
2115 Feb	0.000578253	0.002197197	0.237972215	1.73168E-05	2.780028343	9.278778076	0.092409782	0.000929193	40.30741882	0.003941731	0.018533552	0.000761964	0.00049638	0.000239796	0.230507821	3.51473E-06	0.000217707	0.001149934	0.002764905	0.00033308
2115 Mar	0.000578748	0.002198954	0.238169894	1.73303E-05	2.782289505	9.286224365	0.092489332	0.000929918	40.33876801	0.00394484	0.018548222	0.000762576	0.000496765	0.000239983	0.23069723	3.51747E-06	0.000217877	0.001150899	0.002767051	0.000333334

Appendix D.2-14: B2

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.000581878	0.002210762	0.239454553	1.74232E-05	2.797260761	9.336093903	0.092990093	0.000934895	40.5546608	0.003965998	0.01864776	0.000766681	0.000499426	0.000241269	0.231939733	3.53633E-06	0.000219044	0.001157116	0.002781883	0.000335115
2115 May	0.000628452	0.002218705	0.251737356	1.72428E-05	2.867343426	9.412343025	0.101477742	0.000901375	39.5442543	0.003949144	0.018651944	0.00084405	0.000498906	0.00024362	0.239860684	3.49663E-06	0.000214967	0.00124794	0.002786659	0.000320905
2115 Jun	0.000717292	0.002285955	0.277946562	1.75298E-05	3.055466652	9.719547272	0.117481373	0.000861161	38.75505829	0.004038804	0.01917124	0.000988508	0.000515151	0.000253885	0.25837642	3.55158E-06	0.000213387	0.001428169	0.002902571	0.000306093
2115 Jul	0.000776448	0.002459766	0.302372009	1.90462E-05	3.299046516	10.36090469	0.127174884	0.000907138	40.74837494	0.004303919	0.020755129	0.001072561	0.000549627	0.000270986	0.277954727	3.85649E-06	0.000226732	0.001545767	0.003151567	0.000317749
2115 Aug	0.000710827	0.002330114	0.283169925	1.85655E-05	3.104423761	9.605013847	0.115993693	0.000848057	37.93483353	0.004052883	0.019749597	0.00097969	0.000510872	0.000253828	0.25853169	3.75715E-06	0.000211976	0.001397243	0.003011325	0.000294997
2115 Sep	0.000658768	0.002260084	0.267072588	1.83977E-05	2.990878105	9.233006477	0.106832787	0.000851923	37.09458542	0.003935731	0.019189747	0.000895874	0.000486321	0.000245256	0.246503711	3.72212E-06	0.000206989	0.001275956	0.002917278	0.00028982
2115 Oct	0.000630356	0.002230531	0.257513553	1.81721E-05	2.924199343	9.158413887	0.101832613	0.000866659	37.50088501	0.003901039	0.018876635	0.000850304	0.000479416	0.000242327	0.240460485	3.67689E-06	0.000207112	0.001213987	0.002854156	0.000295867
2115 Nov	0.000582327	0.002169342	0.240802377	1.76074E-05	2.793923855	8.984107971	0.093375176	0.000885006	37.93571854	0.003820705	0.018262396	0.000774025	0.000465969	0.000235749	0.229321733	3.56356E-06	0.000206303	0.001113143	0.002726997	0.000304428
2115 Dec	0.000579636	0.002167614	0.239922673	1.75875E-05	2.787932873	8.980827332	0.092882819	0.000887394	38.00022507	0.003819018	0.018243272	0.000769492	0.000465463	0.000235509	0.228798419	3.55961E-06	0.000206489	0.001107433	0.002721048	0.00030529
2116 Jan	0.000579661	0.002168197	0.239942476	1.75912E-05	2.788442612	8.983772278	0.092883125	0.000887857	38.01757813	0.003820091	0.018247487	0.000769394	0.000465568	0.000235564	0.22884047	3.56037E-06	0.000206568	0.001107416	0.002721389	0.000305449
2116 Feb	0.00058002	0.002169395	0.240082726	1.76002E-05	2.790027618	8.988883972	0.092941143	0.000888348	38.03780365	0.003822092	0.018257279	0.000769779	0.000465599	0.000235684	0.228973091	3.5622E-06	0.000206679	0.001108067	0.002722734	0.000305601
2116 Mar	0.000580569	0.002171298	0.24030298	1.76154E-05	2.79252696	8.996788979	0.093029618	0.000889104	38.06993484	0.003825388	0.018273188	0.000770463	0.000466194	0.000235885	0.229180172	3.56526E-06	0.000206856	0.001109101	0.002725065	0.000305852
2116 Apr	0.000583496	0.002182156	0.241510674	1.77033E-05	2.806523323	9.041787148	0.093499206	0.000893533	38.25957489	0.003844491	0.018364495	0.000774326	0.000468519	0.000237062	0.230330139	3.58305E-06	0.000207888	0.001114687	0.002738663	0.000307372
2116 May	0.000632895	0.002237363	0.253784776	1.76573E-05	2.911207438	9.559921265	0.102843873	0.000893318	40.21841049	0.003993562	0.018490663	0.000859635	0.000497765	0.000249824	0.242457569	3.5752E-06	0.000213102	0.001219058	0.002794016	0.000323811
2116 Jun	0.000693999	0.002005431	0.258249074	1.51888E-05	2.779094458	8.839471817	0.116838761	0.000664423	34.98065567	0.00373276	0.01628885	0.000999626	0.000499563	0.000238931	0.239316896	3.08397E-06	0.000182814	0.001403852	0.002673096	0.000282712
2116 Jul	0.000723591	0.002104661	0.272159576	1.63365E-05	2.924060822	9.168838501	0.121879905	0.000682428	36.18790436	0.003932365	0.017382815	0.001041791	0.000535721	0.000249764	0.250132322	3.31722E-06	0.000191577	0.001491175	0.002919107	0.000292854
2116 Aug	0.000765391	0.002243292	0.290095329	1.76699E-05	3.120481014	9.705075264	0.128746912	0.000727219	38.09757614	0.004165741	0.018698804	0.001098768	0.000568983	0.000264349	0.265385121	3.58577E-06	0.000203638	0.001582662	0.003151778	0.000305739
2116 Sep	0.000686463	0.002187314	0.268489867	1.7688E-05	2.971149921	9.310448647	0.114110395	0.000768431	37.81278992	0.004052085	0.018518191	0.00096299	0.000546641	0.000252407	0.249003083	3.58973E-06	0.000204124	0.001425302	0.003082555	0.000307414
2116 Oct	0.000562569	0.002072755	0.231308088	1.68808E-05	2.677167416	8.605730057	0.090685897	0.000838477	36.88913345	0.003781777	0.017801324	0.000747959	0.00048745	0.000228447	0.220979929	3.4261E-06	0.000202354	0.001154119	0.002785922	0.000306284
2116 Nov	0.000549458	0.002071155	0.227733597	1.68571E-05	2.653447151	8.568105698	0.088052914	0.000855223	36.9956131	0.003765136	0.017820256	0.000723214	0.000481267	0.000226438	0.218583941	3.42108E-06	0.00020349	0.001123528	0.002755868	0.000307849
2116 Dec	0.000549575	0.002072555	0.227828488	1.68692E-05	2.654863358	8.573034286	0.088059641	0.000856151	37.01908112	0.003767022	0.01783395	0.000723199	0.000481431	0.000226536	0.218683258	3.42351E-06	0.000203648	0.001123697	0.002757265	0.000308026
2117 Jan	0.000549546	0.00207277	0.227825359	1.68702E-05	2.654962778	8.57392025	0.0880512	0.000856387	37.02511597	0.003767304	0.01783563	0.000723063	0.000481431	0.000226544	0.218690932	3.42372E-06	0.00020368	0.001123584	0.002757204	0.000308082
2117 Feb	0.000549607	0.002072994	0.22784771	1.68714E-05	2.655224562	8.574924469	0.088060342	0.000856513	37.02929306	0.003767633	0.017837295	0.000723074	0.000481457	0.000226559	0.218714401	3.42396E-06	0.000203703	0.00112367	0.002757312	0.000308113
2117 Mar	0.000550235	0.002075294	0.228104815	1.68899E-05	2.658191442	8.584443092	0.088161059	0.000857457	37.06967163	0.003771762	0.017857021	0.00072387	0.000481978	0.000226806	0.218959734	3.42771E-06	0.000203927	0.001124937	0.002760312	0.000308445
2117 Apr	0.000553827	0.00208878	0.229591042	1.69996E-05	2.675485849	8.640231133	0.088736825	0.000863018	37.31005859	0.003796252	0.017973006	0.00072858	0.000485105	0.000228278	0.220385119	3.44996E-06	0.00020525	0.001132272	0.002778227	0.000310443
2117 May	0.000594568	0.002141692	0.242237791	1.72274E-05	2.776348591	8.877205849	0.095739983	0.000865873	37.4311409	0.003853608	0.018383844	0.000790684	0.000491004	0.000233985	0.230009317	3.49402E-06	0.000207326	0.001207668	0.002822191	0.000306885
2117 Jun	0.0006945	0.002162343	0.269555658	1.70009E-05	2.934675217	8.991142273	0.114034653	0.000783582	35.07714462	0.003838043	0.018465983	0.000958988	0.000493958	0.000239568	0.247176975	3.44398E-06	0.000198232	0.001406621	0.002868937	0.000276064
2117 Jul	0.000750574	0.002325524	0.292949498	1.85006E-05	3.168321609	9.576307297	0.12324366	0.000825394	36.83385468	0.004092614	0.02002327	0.001037947	0.000529071	0.00025559	0.265730411	3.74552E-06	0.000210834	0.001525169	0.003128701	0.0002861
2117 Aug	0.000777569	0.002423825	0.305875659	1.95153E-05	3.303071022	9.892228127	0.127548441	0.00085108	37.816185	0.004238523	0.020978941	0.001074895	0.000547698	0.000264555	0.275663525	3.9493E-06	0.000218113	0.001578676	0.00328791	0.000291272
2117 Sep	0.000766887	0.002429187	0.303708732	1.96775E-05	3.296481848	9.88555336	0.125544995	0.000861187	38.0526886	0.004245848	0.021046059	0.001056608	0.000546792	0.000264389	0.274219781	3.98201E-06	0.000219212	0.001553637	0.003295183	0.000293711
2117 Oct	0.000695162	0.002319951	0.279867202	1.88432E-05	3.089666843	9.420892715	0.112873606	0.00086236	37.34424973	0.004059917	0.020088427	0.000944676	0.000516463	0.000250382	0.255793691	3.81407E-06	0.000213355	0.001400306	0.003100196	0.000292778
2117 Nov	0.000674661	0.002291612	0.273214638	1.86247E-05	3.032715321	9.288249016	0.109163456	0.000866068	37.1222496	0.004006417	0.019857783	0.000911443	0.000506945	0.00024621	0.250653654	3.76992E-06	0.000212006	0.001356131	0.003044223	0.00029217
2117 Dec	0.000673929	0.002291834	0.273034364	1.86277E-05	3.031765223	9.287524223	0.109016597	0.00086713	37.13602066	0.004006122	0.019861819	0.000910055	0.000506712	0.000246137	0.250539988	3.77053E-06	0.000212104	0.001354457	0.003043294	0.00029232
2118 Jan	0.000673918	0.002292161	0.27304244	1.863E-05	3.032007456	9.28877449	0.109010674	0.000867413	37.14347076	0.004006564	0.019864595	0.000909919	0.000506729	0.000246152	0.250557154	3.77099E-06	0.000212146	0.001354374	0.003043403	0.000292384
2118 Feb	0.000674113	0.002292766	0.273117512	1.86344E-05	3.032818317	9.291265488	0.109041728	0.000867659	37.15240479	0.00400749	0.019869663	0.000910089	0.000506829	0.000246204	0.250625283	3.77188E-06	0.0002122	0.00135472	0.003044033	0.000292445
2118 Mar	0.000674529	0.002294082	0.273281544	1.86449E-05	3.03459692	9.296606064	0.109109469	0.000868141	37.17266846	0.004009729	0.019880969	0.00091061	0.000507105	0.000246339	0.250773668	3.77399E-06	0.000212318	0.001355538	0.003045716	0.000292598
2118 Apr	0.000679653	0.002308687	0.275137186	1.87386E-05	3.0543015	9.359417915	0.109931931	0.000874216	37.39367294	0.004031607	0.019995378	0.000913873	0.000509189	0.000247466	0.25249207	3.79288E-06	0.00021359	0.00136405	0.003057804	0.000294084
2118 May	0.000746901	0.002245605	0.289499521	1.77734E-05	3.090000391	9.163967133	0.122688271	0.000777406	34.08781052	0.003870617	0.019291766	0.001019402	0.000489858	0.000242624	0.259490997	3.59345E-06	0.000198161	0.001489488	0.002959807	0.000256798
2118 Jun	0.000783697	0.002016365	0.28874281	1.5533E-05	2.938165426	8.28254509	0.131511122	0.00058145	28.08044434	0.003519042	0.017133234	0.001113451	0.000457403	0.000226643	0.25217548	3.1431E-06	0.000166585	0.001579251	0.002739478	0.000204562
2118 Jul	0.000842565	0.002172332	0.312047839	1.69265E-05	3.16951561	8.864548683	0.141350985	0.000618853	29.82376099	0.003777076	0.018598674	0.001197244	0.000494011	0.000242963	0.271037281	3.42385E-06	0.000178676	0.001705937	0.002993959	0.000215287
2118 Aug	0.000822225	0.002218729	0.31069842	1.78336E-05	3.203389406	8.942050934	0.13744536	0.000650603	30.80711555	0.00386734	0.019166796	0.001161601	0.00050511	0.000246482	0.270614445	3.60742E-06	0.000184417	0.001667156	0.0031144	0.000224752
2118 Sep	0.000640121	0.002020561	0.252625972	1.66118E-05	2.772226334	8.086220741	0.104814231	0.000718425	31.02646255	0.003570945	0.017451029	0.000869344	0.00044587	0.000220889	0.230041832	3.36342E-06	0.000180194	0.001274852	0.002737917	0.000241746
2118 Oct	0.00052227	0.001917635	0.214912444	1.56043E-05	2.483237028	7.622210026	0.083029807	0.000791289	31.89142418	0.003410071	0.016537039	0.000673774	0.000407598	0.000204132	0.204555035	3.16434E-06	0.00018226	0.001022173	0.002446311	0.00026205
2118 Nov	0.000500886	0.001909515	0.20822598	1.5463E-05	2.437105179	7.586219788	0.078984708	0.000812982	32.39234543	0.00340412	0.016444605	0.000637154	0.000403055	0.000202169	0.200588658	3.13752E-06	0.000184268	0.000976061	0.002397172	0.000269521
2118 Dec	0.000501146	0.001911601	0.208387539	1.54808E-05	2.439348936	7.593597412	0.079011664	0.000814253	32.42632294	0.003407107	0.016464546	0.000637292	0.00040333	0.00020233	0.200752869	3.14111E-06	0.000184494	0.000976486	0.00239935	0.000269782
2119 Jan	0.000501268	0.001912401	0.208449185	1.54868E-05	2.440202713	7.596764088	0.079026669	0.000814739	32.44162369	0.00340837	0.016471487	0.000637339	0.00040345	0.000202396	0.200820819	3.14232E-06	0.000184583	0.000976675	0.002400058	0.00026991
2119 Feb	0.000501455	0.001913121	0.208522812	1.54918E-05	2.441081524	7.599833965	0.079055846	0.000815084	32.45521164	0.003409629	0.01647724	0.000637503	0.000403587	0.000202465	0.200896218	3.14333E-06	0.000184656	0.000977008	0.00240076	0.000270025
2119 Mar	0.00050245	0.001916801	0.208930984	1.55213E-05	2.445813894	7.614488602	0.079213232	0.000816632	32.51689148	0.003416154	0.016508816	0.000638739	0.000404355	0.000202851	0.201287389	3.14932E-06	0.000185008	0.000978933	0.002405332	0.000270534
2119 Apr	0.000532513	0.001975052	0.218382552	1.57853E-05	2.535249233	7.88739872	0.084272847	0.000834461	33.28927994	0.003503385	0.016905047	0.000657752	0.00041214	0.000207019	0.209780395	3.2028E-06	0.000189321	0.001029289	0.002440046	0.000275095
2119 May	0.000804687	0.002177728	0.292397767	1.56165E-05	3.067322493	9.083740234	0.133239791	0.000743393	32.75871658	0.00378001	0.017702909	0.000940967	0.000443806	0.000224981	0.266892076	3.16785E-06	0.000187295	0.001524322	0.002526596	0.000249854
2119 Jun	0.000841457	0.002152619	0.302433103	1.55492E-05	3.108184099	8.995147705	0.140803978	0.000666993	31.34609795	0.0037829	0.017576525	0.001043028	0.000462427	0.000229855	0.271466374	3.15568E-06	0.000180414	0.001631335	0.002637164	0.000236777
2119 Jul	0.000888526	0.002285416	0.321744859	1.68269E-05	3.304121971	9.506866455	0.148786038	0.000697242	33.06139374	0.004021924	0.018870851	0.001109173	0.000500989	0.000244317	0.28713268	3.41368E-06	0.000191496	0.001743851	0.002890963	0.000248888
2119 Aug	0.00089827	0.00238379	0.330261886	1.80827E-05	3.428660393	9.85742569	0.150122419	0.000740274	34.71766281	0.004193848	0.019900139	0.001123896	0.000526656	0.00025482	0.294834822	3.66607E-06	0.000201335	0.001771929	0.003094933	0.000261068
2119 Sep	0.000776833	0.002246014	0.293186069	1.76024E-05	3.155033588	9.264914513	0.128814191	0.000764106	34.59428406	0.003999141	0.018861745	0.000964336	0.000498404	0.000241472	0.267455101	3.56869E-06	0.000196991	0.001529189	0.002943265	0.000268112
2119 Oct	0.000671067	0.002130475	0.260088623	1.68193E-05	2.892076015	8.768925667	0.109740376	0.000800814	34.62517548	0.00380414	0.017948123	0.000817268	0.000465508	0.000227113	0.243057966	3.41019E-06	0.000194704	0.001311934	0.002729627	0.000276151
2119 Nov	0.000628019	0.00207881	0.246269137	1.64079E-05	2.777014017	8.545450211	0.101971142	0.000813291	34.54967117	0.003717775	0.017523743	0.000757228	0.00045085	0.00022063	0.23277837	3.32728E-06	0.000193325	0.001223458	0.002628443	0.000279172
2119 Dec	0.000628269	0.002080601	0.246413291	1.64233E-05	2.778997898	8.552073479	0.102000624	0.000814342	34.58025742	0.003720476	0.017540541	0.000757408	0.000451121	0.00022078	0.232925624	3.33039E-06	0.000193517	0.00122389	0.002630426	0.000279411

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	34	0.0099	0.0052	0.0010	6.1	0.020	2.2	9.5E-04	9.5E-04	4.8E-06	5.5E-03	8.9E-04	8.4E-03	1.2E-02	4.8E-06	9.7E+00	7.8E-06	1.3E-04	9.8E-05	6.4E-04
Operations (2020-2043): Mean	48	0.056	0.0077	0.0010	11	0.034	4	1.0E-03	1.0E-03	5.1E-06	7.4E-03	1.1E-03	1.1E-02	1.7E-02	5.1E-06	1.5E+01	1.6E-05	2.2E-04	1.7E-04	8.7E-04
Operations (2020-2043): Max	93	0.099	0.023	0.0011	22	0.042	7	1.1E-03	1.1E-03	5.7E-06	8.2E-03	1.9E-03	1.2E-02	4.3E-02	5.7E-06	3.5E+01	2.3E-05	4.6E-04	6.7E-04	1.3E-03
Active Closure (2044-2050): Min	36	0.014	0.0065	0.0010	6.8	0.021	2.4	9.6E-04	9.6E-04	4.8E-06	6.6E-03	9.1E-04	9.2E-03	1.2E-02	4.8E-06	1.0E+01	1.3E-05	1.7E-04	1.0E-04	6.5E-04
Active Closure (2044-2050): Mean	54	0.075	0.041	0.0022	15	0.034	4.3	1.0E-03	1.0E-03	5.2E-06	7.5E-03	1.1E-03	1.1E-02	1.6E-02	5.1E-06	1.4E+01	1.6E-05	2.1E-04	1.4E-04	8.2E-04
Active Closure (2044-2050): Max	82	0.14	0.152	0.0060	31	0.041	5.9	1.1E-03	1.1E-03	5.9E-06	7.9E-03	1.3E-03	1.3E-02	2.6E-02	5.6E-06	2.2E+01	2.2E-05	3.2E-04	3.6E-04	9.6E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Post Closure (2051-2119): Min	37	0.012	0.0053	0.00094	6.5	0.019	2.3	9.4E-04	9.4E-04	4.7E-06	5.7E-03	8.9E-04	8.4E-03	1.2E-02	4.7E-06	1.0E+01	8.6E-06	1.8E-04	1.1E-04	6.4E-04
Post Closure (2051-2119): Mean	53	0.066	0.0090	0.0010	12	0.034	4.6	1.0E-03	1.0E-03	5.1E-06	7.4E-03	1.2E-03	1.1E-02	2.0E-02	5.1E-06	1.7E+01	1.6E-05	2.4E-04	2.2E-04	9.3E-04
Post Closure (2051-2119): Max	91	0.10	0.022	0.0012	22	0.043	7.6	1.2E-03	1.2E-03	5.9E-06	8.2E-03	1.8E-03	1.2E-02	4.2E-02	5.9E-06	3.4E+01	2.3E-05	4.4E-04	6.5E-04	1.3E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2119)																				
2020 Jan	90.09989166	0.069141023	0.022787645	0.001	21.26174927	0.02	7.262548923	0.001	0.001	5E-06	0.006673148	0.001834813	0.008446296	0.041923258	5E-06	33.68206787	2.12969E-05	0.000450598	0.000651315	0.001251554
2020 Feb	90.22664642	0.069278918	0.022824457	0.001	21.29768562	0.02	7.274818897	0.001	0.001	5E-06	0.006671336	0.001837074	0.008442672	0.041994896	5E-06	33.73786926	2.12939E-05	0.000451182	0.0006526	0.001253073
2020 Mar	90.31499481	0.069368385	0.022849338	0.00100023	21.32174492	0.020004606	7.283035755	0.00100023	0.00100023	5.00115E-06	0.006671907	0.001838702	0.008442686	0.042042758	5.00115E-06	33.77538681	2.12971E-05	0.000451597	0.000653436	0.001254171
2020 Apr	90.57928467	0.069583371	0.022917606	0.001002742	21.38591957	0.020054845	7.304955006	0.001002742	0.001002742	5.01371E-06	0.006688127	0.001843989	0.008462817	0.042169526	5.01371E-06	33.87670898	2.13497E-05	0.000452904	0.000655457	0.00125777
2020 May	92.537117	0.071084268	0.023412595	0.001024524	21.84770393	0.020490486	7.462690353	0.001024524	0.001024524	5.12262E-06	0.00683355	0.00188387	0.00864693	0.043080028	5.12262E-06	34.60829163	2.18107E-05	0.000462697	0.000669596	0.001284975
2020 Jun	49.15433502	0.024782808	0.010918068	0.00099349	9.681180954	0.019869806	3.308192253	0.00099349	0.00099349	4.96745E-06	0.007206467	0.001102849	0.009544831	0.018840453	4.96745E-06	15.69489765	2.20451E-05	0.000261613	0.000237762	0.000759673
2020 Jul	41.99837494	0.015987013	0.008565674	0.001031185	7.755543232	0.022795718	2.703739405	0.001031185	0.001031185	5.15592E-06	0.007301838	0.001015652	0.009882389	0.014913468	5.15592E-06	12.56312275	2.10785E-05	0.000219821	0.000158154	0.000713475
2020 Aug	43.63352203	0.017984234	0.008551653	0.001081592	8.353343964	0.026734579	2.953052282	0.001081592	0.001081592	5.40796E-06	0.00737066	0.001080745	0.010406088	0.015620304	5.40796E-06	13.18041611	1.97978E-05	0.000219549	0.000157897	0.000768183
2020 Sep	45.42794037	0.049814291	0.007094483	0.00103269	9.937324524	0.033552047	3.683395624	0.00103269	0.00103269	5.16345E-06	0.007465624	0.001072687	0.01089227	0.015832923	5.16345E-06	13.93406677	1.67021E-05	0.000208428	0.000141727	0.000826043
2020 Oct	47.45352554	0.080263682	0.005923012	0.000998187	11.29301071	0.038682655	4.346502304	0.000998187	0.000998187	4.99094E-06	0.007851196	0.001072463	0.011079316	0.016237563	4.99094E-06	14.67137337	1.55577E-05	0.00020055	0.000133373	0.000893445
2020 Nov	47.84098816	0.086335488	0.005685892	0.000990882	11.56032848	0.039695904	4.477715015	0.000990882	0.000990882	4.95441E-06	0.007925413	0.001071999	0.011112479	0.016312322	4.95441E-06	14.81342411	1.53222E-05	0.000198892	0.000131647	0.000906606
2020 Dec	47.85491562	0.086489081	0.005680777	0.000990804	11.56784725	0.039724004	4.48128891	0.000990804	0.000990804	4.95402E-06	0.00792796	0.001072092	0.011114354	0.0163157	4.95402E-06	14.81826496	1.53181E-05	0.000198872	0.000131618	0.000907009
2021 Jan	47.92258453	0.086545125	0.005701839	0.000990828	11.58605766	0.039716896	4.487342834	0.000990828	0.000990828	4.95414E-06	0.00792729	0.001073286	0.011112222	0.016354004	4.95414E-06	14.84782028	1.5321E-05	0.000199207	0.000132326	0.000907763
2021 Feb	48.01757813	0.086597882	0.005732289	0.000991014	11.61058235	0.039706349	4.495337963	0.000991014	0.000991014	4.95507E-06	0.007926897	0.001075029	0.011110442	0.016407315	4.95507E-06	14.8887558	1.53279E-05	0.000199692	0.000133307	0.000908817
2021 Mar	48.09029388	0.086664341	0.005751394	0.000991547	11.62901306	0.039717872	4.501656055	0.000991547	0.000991547	4.95773E-06	0.007930132	0.001076447	0.011114305	0.016443539	4.95773E-06	14.9175663	1.53384E-05	0.000200043	0.000133901	0.000909787
2021 Apr	48.16652298	0.086764902	0.005766447	0.000992568	11.64793015	0.039753161	4.508513451	0.000992568	0.000992568	4.96284E-06	0.007937711	0.001078034	0.011124545	0.01647608	4.96284E-06	14.94477844	1.53554E-05	0.000200388	0.000134336	0.000910998
2021 May	49.84217072	0.087740377	0.006230391	0.001008282	12.04168987	0.03994314	4.639703751	0.001008282	0.001008282	5.04141E-06	0.008034335	0.001111545	0.01124009	0.017293036	5.04141E-06	15.59044552	1.57251E-05	0.000209021	0.000147791	0.000932759
2021 Jun	43.77921295	0.035354484	0.008082581	0.000994619	8.737876892	0.02508715	3.124105215	0.000994619	0.000994619	4.9731E-06	0.007481371	0.001005389	0.010118525	0.015318817	4.9731E-06	13.23803997	2.04443E-05	0.00022209	0.000158508	0.000738072
2021 Jul	40.50538254	0.022065375	0.007454857	0.001035427	7.701452255	0.026244694	2.77269578	0.001035427	0.001035427	5.17714E-06	0.007318814	0.001002386	0.010047402	0.013997114	5.17714E-06	11.94237137	1.9548E-05	0.000201871	0.00013151	0.000730272
2021 Aug	41.13272858	0.023155063	0.007192592	0.001058399	8.24763298	0.030588832	3.009964466	0.001058399	0.001058399	5.29199E-06	0.007022616	0.001053439	0.010312962	0.014500386	5.29199E-06	12.37239552	1.66463E-05	0.000193146	0.000127937	0.000774997
2021 Sep	44.03347778	0.054167066	0.006238291	0.001014817	9.956218719	0.036103331	3.748584509	0.001014817	0.001014817	5.07408E-06	0.007239356	0.001054904	0.010874002	0.01518036	5.07408E-06	13.50069523	1.46113E-05	0.000192674	0.00012345	0.00083036
2021 Oct	46.47481537	0.076919734	0.005694729	0.001000605	11.08498955	0.039345209	4.271164894	0.001000605	0.001000605	5.00303E-06	0.007681316	0.001068165	0.01109344	0.015859043	5.00303E-06	14.34412479	1.46461E-05	0.000194008	0.000125043	0.000887035
2021 Nov	46.72066116	0.077933468	0.005697524	0.001003733	11.16135025	0.03959145	4.30343008	0.001003733	0.001003733	5.01866E-06	0.007723196	0.001072426	0.011140342	0.015937926	5.01866E-06	14.42292023	1.46998E-05	0.000194747	0.000125543	0.000892054
2021 Dec	46.76239777	0.078056648	0.005700202	0.001004438	11.17288589	0.039630182	4.308128357	0.001004438	0.001004438	5.02219E-06	0.007730206	0.001073262	0.011149255	0.015951725	5.02219E-06	14.43606377	1.47108E-05	0.000194895	0.000125641	0.00089288
2022 Jan	46.80817795	0.078104906	0.005713556	0.001004496	11.18523312	0.039628163	4.312312126	0.001004496	0.001004496	5.02248E-06	0.007730448	0.001074062	0.011148537	0.015976761	5.02248E-06	14.45561314	1.47141E-05	0.000195118	0.000126093	0.000893414
2022 Feb	46.86390305	0.07813514	0.005732	0.001004525	11.19974136	0.039618466	4.317008495	0.001004525	0.001004525	5.02262E-06	0.00772967	0.001075057	0.011146517	0.01600875	5.02262E-06	14.48004532	1.47175E-05	0.000195406	0.000126695	0.000894002
2022 Mar	46.91195679	0.07818111	0.005744217	0.00100492	11.21187687	0.039628129	4.32119751	0.00100492	0.00100492	5.0246E-06	0.007732162	0.001076005	0.011149623	0.016032226	5.0246E-06	14.49882698	1.47249E-05	0.000195636	0.000127071	0.00089466
2022 Apr	47.33045197	0.078858949	0.005799096	0.00101352	11.3122673	0.039963879	4.359609127	0.00101352	0.00101352	5.0676E-06	0.007798021	0.001085515	0.011244311	0.016179297	5.0676E-06	14.63042259	1.48518E-05	0.000197398	0.000128346	0.000902493
2022 May	48.27244949	0.080418877	0.005916166	0.001033535	11.53752518	0.040751241	4.4462924	0.001033535	0.001033535	5.16768E-06	0.007951878	0.001107082	0.011466025	0.016503075	5.16768E-06	14.92257786	1.51457E-05	0.000201336	0.000130962	0.000920388
2022 Jun	41.23746872	0.042711876	0.006428412	0.001006068	8.444016457	0.029476414	3.120638847	0.001006068	0.001006068	5.03034E-06	0.007612611	0.000969529	0.010587406	0.013564016	5.03034E-06	12.06697464	1.88588E-05	0.000198715	0.000113477	0.000743538
2022 Jul	34.11424637	0.010741048	0.00604878	0.000971424	6.399657249	0.026752949	2.366665363	0.000971424	0.000971424	4.85712E-06	0.006291548	0.000929996	0.008880352	0.01193654	4.85712E-06	9.969199181	1.53694E-05	0.000158233	9.78303E-05	0.000683719
2022 Aug	36.71065903	0.014830457	0.006145487	0.00102277	7.404321194	0.03188755	2.76061821	0.00102277	0.00102277	5.11385E-06	0.006260141	0.001015266	0.009553744	0.013129215	5.11385E-06	11.03717232	1.31905E-05	0.000160268	0.000102806	0.000753076
2022 Sep	41.03066635	0.043317847	0.005789556	0.001004807	9.230694771	0.036408987	3.488348961	0.001004807	0.001004807	5.02404E-06	0.006694533	0.00103661	0.010463194	0.014278318	5.02404E-06	12.5729866	1.24941E-05	0.000173765	0.000108336	0.000807766
2022 Oct	43.95388412	0.066048585	0.005461615	0.000992238	10.39423275	0.038893323	4.004260063	0.000992238	0.000992238	4.96119E-06	0.007227072	0.001049921	0.010747144	0.01510253	4.96119E-06	13.55173779	1.31983E-05	0.000180669	0.00011442	0.000860078
2022 Nov	44.21512604	0.066838212	0.005479111	0.000996435	10.46623707	0.039122272	4.033464432	0.000996435	0.000996435	4.98217E-06	0.00727115	0.001054938	0.010801692	0.01518839	4.98217E-06	13.63396168	1.3273E-05	0.000181633	0.000115068	0.000865083
2022 Dec	44.25627899	0.066972189	0.005481505	0.000997055	10.47782612	0.039158285	4.038195133	0.000997055	0.000997055	4.98527E-06	0.007278121	0.001055698	0.010810059	0.015201821	4.98527E-06	13.64695358	1.32847E-05	0.000181782	0.000115169	0.00086587
2023 Jan	44.3052063	0.067032106	0.005495427	0.000997097	10.49107933	0.039155696	4.042709827	0.000997097	0.000997097	4.98549E-06	0.007278662	0.001056519	0.0108094	0.015228154	4.98549E-06	13.66768551	1.32893E-05	0.000182022	0.000115645	0.000866429
2023 Feb	44.36412048	0.067069232	0.005514626	0.000997128	10.50644684	0.039145786	4.047706127	0.000997128	0.000997128	4.98564E-06	0.007278078	0.001057555	0.010807459	0.015261636	4.98564E-06	13.69336891	1.32935E-05	0.000182326	0.000116274	0.00086705
2023 Mar	44.4004631	0.067095846	0.005525619	0.000997239	10.51582432	0.03914411	4.050815582	0.000997239	0.000997239	4.9862E-06	0.007278452	0.001058221	0.01080743	0.015281343	4.9862E-06	13.70867443	1.32971E-05	0.000182509	0.000116627	0.000867471
2023 Apr	44.63033676	0.067427032	0.005557926	0.001001999	10.57070732	0.039327487	4.071669579	0.001001999	0.001001999	5.01E-06	0.007312942	0.001063585	0.010858308	0.015364574	5.01E-06	13.78198338	1.33618E-05	0.000183473	0.000117379	0.000871797
2023 May	49.84682083	0.068698347	0.007348094	0.001018339	11.79802799	0.03806809	4.452987671	0.001018339	0.001018339	5.09169E-06	0.007370599	0.001157115	0.010799624	0.018235045	5.09169E-06	15.97007942	1.43611E-05	0.000212832	0.000171938	0.000923565
2023 Jun	51.34063721	0.033967271	0.01106229	0.000979514	10.65660667	0.022172982	3.702788591	0.000979514	0.000979514	4.89757E-06	0.007060494	0.001143966	0.009474318	0.020089054	4.89757E-06	16.75840569	2.04601E-05	0.000263488	0.000203926	0.000805558
2023 Jul	41.63741684	0.018882798	0.008283453	0.001002863	8.010573387	0.0242263	2.838922977	0.001002863	0.001002863	5.01432E-06	0.006936748	0.00101969	0.009504073	0.015134835	5.01432E-06	12.69440937	1.90286E-05	0.000209492	0.000159584	0.000728153
2023 Aug	42.20505905	0.019569222	0.007935151	0.001045882	8.46677494	0.029070612	3.064656019	0.001045882	0.001045882	5.22941E-06	0.006790771	0.001081197	0.009819862	0.015559597	5.22941E-06	13.01930237	1.65518E-05	0.000198965	0.000152496	0.000785414
2023 Sep	43.85804367	0.0327457	0.007428464	0.001043515	9.422718048	0.033254109	3.434589386	0.001043515	0.001043515	5.21758E-06	0.006823063	0.00109164	0.010653522	0.015770014	5.21758E-06	13.61707115	1.46326E-05	0.000201021	0.000143084	0.00080826
2023 Oct	45.20833969	0.048492081	0.006933405	0.00103296	10.11428165	0.035520557	3.766238451	0.00103296	0.00103296	5.1648E-06	0.007142799	0.001093259	0.010831303	0.016024247	5.1648E-06	14.04433823	1.46783E-05	0.000200447	0.000140226	0.000842784
2023 Nov	45.60792542	0.050739493	0.006905369	0.001036822	10.25322247	0.035987861	3.82740593	0.001036822	0.001036822	5.18411E-06	0.007219466	0.001098974	0.010908501	0.016137337	5.18411E-06	14.16946316	1.47581E-05	0.000201384	0.000140569	0.000851423
2023 Dec	45.64626694	0.050921563	0.006904328	0.00103729	10.26564026	0.036029868	3.832760334	0.00103729	0.00103729	5.18645E-06	0.007226572	0.001099595	0.01091625	0.016148716	5.18645E-06	14.18145084	1.47667E-05	0.000201489	0.000140619	0.00085223
2024 Jan	45.70301819	0.051014971	0.006919377	0.001037243	10.28189278	0.036029231	3.838459015	0.001037243	0.001037243	5.18621E-06	0.007226991	0.001100504	0.010914806	0.01617937	5.18621E-06	14.20580006	1.47697E-05	0.000201751	0.000141168	0.000852903
2024 Feb	45.77450562	0.051070936	0.006942248	0.001037222	10.30097961	0.036017869	3.844743729	0.001037222	0.001037222	5.18611E-06	0.007226076	0.00110174	0.010911972	0.016220182	5.18611E-06	14.23718357	1.47736E-05	0.000202113	0.000141935	0.000853666
2024 Mar	45.87628937	0.051171601	0.006964207	0.00103864	10.32551289	0.036061306	3.853445292	0.00103864	0.00103864	5.1932E-06	0.007235531	0.001103926	0.010925461	0.016264645	5.1932E-06	14.27380276	1.4796E-05	0.000202587	0.000142545	0.000855254
2024 Apr	46.02441025	0.051329646	0.006990321	0.001041499	10.35975647	0.036157351	3.865972042	0.001041499	0.001041499	5.20749E-06	0.007255214	0.001107344	0.010954743	0.016321827	5.20749E-06	14.32264805	1.4838E-05	0.000203255	0.00014317	0.000857844
2024 May	55.86475754	0.055657674	0.010412004	0.001044411	12.78134727	0.033137504	4.627404213	0.001044411	0.001044411	5.22206E-06	0.007213721	0.001273638	0.010546678	0.021920919	5.22206E-06	18.57855797	1.63646E-05	0.000257882	0.000252295	0.000950693
2024 Jun	65.79828644	0.045950066	0.015526075	0.00098466	14.59625435	0.021064924	5.015659809	0.00098466	0.00098466	4.9233E-06	0.006864476	0.001402198	0.009042623	0.028298227	4.9233E-06	23.10139465	2.06983E-05	0.000333946	0.000404382	0.000969053
2024 Jul	63.0070343	0.040561981	0.014450222	0.001051611	13.63807678	0.023376638	4.713076115	0.001051611	0.001051611	5.25806E-06	0.007273587	0.001384492	0.00969289	0.026374707	5.25806E-06	21.60228729	2.13405E-05	0.00031852	0.000360818	0.000963474
2024 Aug	61.50729752	0.041321561	0.013385896	0.001084595	13.53508091	0.027960218	4.714496613	0.001084595	0.001084595	5.42298E-06	0.007220673	0.001382825	0.010452991	0.02523618	5.42298E-06	20.9069767	1.91089E-05	0.000303408	0.000326019	0.00097099
2024 Sep	56.53503799	0.057966396	0.010423949	0.001046384	13.02142334	0.033724405	4.682695866	0.001046384	0.001046384	5.23192E-06	0.007258274	0.001269802	0.011021703	0.021899268	5.23192E-06	18.75829697	1.61855E-05	0.000264173	0.000249528	0.000941816
2024 Oct	55.50960922	0.069627076	0.009300762	0.001038943	13.04632568	0.036184549	4.789964199	0.001038943	0.001038943	5.19471E-06	0.007537209	0.001238886	0.011179452	0.020955233	5.19471E-06	18.19638443	1.59715E-05	0.000251202	0.000224821	0.000954132
2024 Nov	55.04773712	0.074814528	0.008799615	0.001035532	13.05621338	0.037277006	4.837301731	0.001035532	0.001035532	5.17766E-06	0.007660756	0.001225001	0.011248684	0.020532807	5.17766E-06	17.94441986	1.58746E-05	0.000245402	0.000213795	0.00095953
2024 Dec	55.07274628	0.074990146	0.008793207	0.001036131	13.06505394	0.037328165	4.841640949	0.001036131	0.001036131	5.18066E-06	0.007668811	0.00122547	0.011257779	0.020536045	5.18066E-06	17.95010376	1.58827E-05	0.000245422	0.000213667	0.000960293
2025 Jan	55.12571716	0.075062975	0.008808176	0.001036092	13.08001804	0.037325792	4.846846104	0.001036092	0.001036092	5.18046E-06	0.007668692	0.001226365	0.011255656	0.020565681	5.18046E-06	17.97320175	1.58847E-05	0.000245666	0.000214206	0.000960932
2025 Feb	55.20907974	0.075118229	0.008834671	0.001036201	13.10182953	0.037316069	4.85402298	0.001036201	0.001036201	5.181E-06	0.00766822	0.001227872	0.011253464	0.02061272	5.181E-06	18.00931549	1.58904E-05	0.000246087	0.000215075	0.000961862
2025 Mar	55.26499557	0.075162597	0.008850791	0.001036457	13.11620522	0.037317839	4.858856201	0.001036457	0.001036457	5.18228E-06	0.007669417	0.001228926	0.011254403	0.020642273	5.18228E-06	18.0324192	1.58965E-05	0.000246363	0.00021559	0.000962551
2025 Apr	55.36179352	0.075276211	0.008870372	0.001037821	13.1398077	0.037362721	4.867319584	0.001037821	0.001037821	5.18911E-06	0.007679114	0.001230971	0.011268168	0.020683363	5.18911E-06	18.06676865	1.59186E-05	0.000246809	0.000216136	0.000964075

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 May	56.61167908	0.076966606	0.009072479	0.001061061	13.43666458	0.038197055	4.977154255	0.001061061	0.001061061	5.30531E-06	0.007850899	0.001258716	0.011520009	0.02115245	5.30531E-06	18.47582817	1.62758E-05	0.000252389	0.000221089	0.000985769
2025 Jun	44.80434036	0.040136501	0.007865544	0.001017492	9.216826439	0.028014563	3.324169874	0.001017492	0.001017492	5.08746E-06	0.007555913	0.00103407	0.010585484	0.01558142	5.08746E-06	13.59205246	1.9463E-05	0.000221644	0.000153677	0.000768145
2025 Jul	36.72887039	0.013711831	0.006781791	0.001009372	6.650093555	0.024850011	2.385305166	0.001009372	0.001009372	5.04686E-06	0.007009022	0.000938673	0.00968889	0.012361884	5.04686E-06	10.53278732	1.8901E-05	0.000185145	0.000107872	0.000676473
2025 Aug	38.52546692	0.015704338	0.006784594	0.001056528	7.408226967	0.029544448	2.706756115	0.001056528	0.001056528	5.28264E-06	0.00691784	0.001018449	0.010070742	0.013370933	5.28264E-06	11.33955574	1.67252E-05	0.000181776	0.00011138	0.000744461
2025 Sep	40.91221619	0.031524539	0.006502241	0.001047285	8.528410912	0.033003423	3.156430483	0.001047285	0.001047285	5.23643E-06	0.007041045	0.001038571	0.010604901	0.014080197	5.23643E-06	12.25538635	1.54911E-05	0.000186433	0.000113193	0.000781881
2025 Oct	43.54625702	0.056538161	0.005940963	0.001018058	9.816579819	0.0363205	3.736452818	0.001018058	0.001018058	5.09029E-06	0.007402916	0.001046769	0.010787826	0.014867408	5.09029E-06	13.23255157	1.51243E-05	0.000188138	0.000116921	0.000836554
2025 Nov	44.53110886	0.06520202	0.005760462	0.001010026	10.27607632	0.037525017	3.942030907	0.001010026	0.001010026	5.05013E-06	0.007540957	0.001051592	0.010871195	0.015165316	5.05013E-06	13.59227085	1.5028E-05	0.000189085	0.000118422	0.000856866
2025 Dec	44.57598495	0.065373145	0.005761773	0.0010106	10.28982258	0.037568305	3.947731972	0.0010106	0.0010106	5.053E-06	0.007548137	0.001052382	0.010879858	0.015180052	5.053E-06	13.6068325	1.50369E-05	0.000189228	0.000118525	0.00085775
2026 Jan	44.64135742	0.065456301	0.005779942	0.001010661	10.3078804	0.037568018	3.953930855	0.001010661	0.001010661	5.0533E-06	0.007548646	0.001053498	0.010879139	0.015215306	5.0533E-06	13.63465786	1.50408E-05	0.00018954	0.000119153	0.000858522
2026 Feb	44.71928406	0.065506823	0.00580518	0.001010695	10.3283968	0.037556168	3.960625172	0.001010695	0.001010695	5.05348E-06	0.007547702	0.001054876	0.010876554	0.015259704	5.05348E-06	13.66873837	1.50452E-05	0.000189937	0.000119984	0.000859353
2026 Mar	44.80220032	0.065593585	0.005824189	0.001011627	10.34892082	0.03758366	3.967855692	0.001011627	0.001011627	5.05814E-06	0.007554011	0.001056581	0.010884979	0.015297706	5.05814E-06	13.69967747	1.50612E-05	0.000190326	0.000120545	0.000860584
2026 Apr	45.01319122	0.065882713	0.00585632	0.001015855	10.39844227	0.037736624	3.986477375	0.001015855	0.001015855	5.07927E-06	0.007585203	0.001061414	0.010929544	0.015375288	5.07927E-06	13.76738644	1.51253E-05	0.000191243	0.000121306	0.000864429
2026 May	47.2973938	0.06709554	0.006529261	0.001032315	10.94130993	0.037765719	4.164422035	0.001032315	0.001032315	5.16157E-06	0.007681157	0.001105437	0.011028103	0.016534043	5.16157E-06	14.67399025	1.55863E-05	0.00020325	0.000141334	0.000892039
2026 Jun	45.3298645	0.026157679	0.009455811	0.00097585	8.888390541	0.021409996	3.084528923	0.00097585	0.00097585	4.87925E-06	0.007136069	0.001033581	0.009570546	0.016737351	4.87925E-06	14.11995125	2.08973E-05	0.000237702	0.000196151	0.000727167
2026 Jul	42.3781662	0.019365765	0.00848024	0.001026711	7.964835644	0.02345133	2.793884754	0.001026711	0.001026711	5.13356E-06	0.00731581	0.001018284	0.009927626	0.01504264	5.13356E-06	12.72207737	2.08019E-05	0.000219736	0.000158525	0.000721538
2026 Aug	41.65341568	0.018922566	0.007727956	0.001052312	8.314385414	0.029461419	3.018951416	0.001052312	0.001052312	5.26156E-06	0.006820259	0.001075976	0.00988287	0.015231154	5.26156E-06	12.76169872	1.64966E-05	0.000195521	0.000145281	0.000783519
2026 Sep	43.33010864	0.029490694	0.007501729	0.001060358	9.026590347	0.032072738	3.312651873	0.001060358	0.001060358	5.30179E-06	0.007027585	0.001094818	0.01036055	0.015637472	5.30179E-06	13.32523918	1.6048E-05	0.000199048	0.000143805	0.000814129
2026 Oct	44.91386032	0.054270763	0.006603978	0.00102288	10.07575798	0.035437487	3.810243607	0.00102288	0.00102288	5.1144E-06	0.007350128	0.001079754	0.010567349	0.015832614	5.1144E-06	13.87061691	1.54398E-05	0.000195758	0.000137009	0.000853109
2026 Nov	45.15113068	0.054931123	0.006620389	0.001027082	10.14032459	0.035659254	3.836307764	0.001027082	0.001027082	5.13541E-06	0.007389992	0.001084589	0.010620466	0.01591032	5.13541E-06	13.94481087	1.55025E-05	0.000196626	0.000137543	0.000857761
2026 Dec	45.18584824	0.055061899	0.006621102	0.001027587	10.15080929	0.035694867	3.840664148	0.001027587	0.001027587	5.13794E-06	0.00739592	0.001085217	0.01062799	0.015921148	5.13794E-06	13.95575142	1.551E-05	0.000196737	0.000137603	0.000858455
2027 Jan	45.22867584	0.055126496	0.006632288	0.001027626	10.16288757	0.035696901	3.84487009	0.001027626	0.001027626	5.13813E-06	0.007396497	0.001085932	0.010627901	0.015943745	5.13813E-06	13.9738245	1.55123E-05	0.000196937	0.000137999	0.000858972
2027 Feb	45.27935028	0.055164427	0.006648381	0.001027641	10.17636871	0.035690077	3.849298239	0.001027641	0.001027641	5.1382E-06	0.007395959	0.001086818	0.01062634	0.015972422	5.1382E-06	13.99594307	1.5515E-05	0.000197194	0.000138533	0.000859516
2027 Mar	45.34590912	0.055232521	0.006662874	0.001028532	10.1924696	0.035717022	3.85502243	0.001028532	0.001028532	5.14266E-06	0.007402021	0.001088236	0.010634621	0.016001794	5.14266E-06	14.02003765	1.55298E-05	0.000197503	0.000138943	0.000860551
2027 Apr	45.66915512	0.0556188	0.006713075	0.001035509	10.2657795	0.035957009	3.882540226	0.001035509	0.001035509	5.17755E-06	0.00745203	0.00109589	0.010706224	0.016119238	5.17755E-06	14.12199593	1.56359E-05	0.000198922	0.000140052	0.000866555
2027 May	47.81423569	0.057189193	0.007273334	0.001057383	10.77382565	0.036338512	4.054697037	0.001057383	0.001057383	5.28691E-06	0.007596015	0.001138965	0.010883797	0.017136116	5.28691E-06	14.93468475	1.6124E-05	0.000209758	0.000156254	0.0008955
2027 Jun	38.14865494	0.019495798	0.007213899	0.00098299	6.918072701	0.022375219	2.431385994	0.00098299	0.00098299	4.91495E-06	0.007255447	0.000912249	0.009850283	0.01264832	4.91495E-06	10.9504385	2.07185E-05	0.00020194	0.000119758	0.00065115
2027 Jul	37.63724899	0.012397997	0.007183921	0.001040079	6.484755993	0.023038417	2.271521091	0.001040079	0.001040079	5.20039E-06	0.007506354	0.000933701	0.010199761	0.012239281	5.20039E-06	10.53724098	2.15888E-05	0.000200648	0.000108822	0.000660085
2027 Aug	40.05411148	0.016586402	0.007285792	0.001084871	7.391026497	0.027424309	2.617424488	0.001084871	0.001084871	5.42435E-06	0.007519535	0.001004815	0.010889078	0.013251892	5.42435E-06	11.49203491	1.98559E-05	0.000204517	0.000112726	0.000716757
2027 Sep	42.8420639	0.040128592	0.006642489	0.001054	9.012797356	0.033034123	3.301862955	0.001054	0.001054	5.27E-06	0.007474896	0.001031953	0.011317593	0.01425985	5.27E-06	12.72503376	1.69539E-05	0.00020249	0.0001144	0.000777737
2027 Oct	44.66854095	0.059111603	0.006145659	0.001030364	9.999199867	0.035942081	3.76405859	0.001030364	0.001030364	5.15182E-06	0.007683428	0.001043785	0.011307493	0.014920685	5.15182E-06	13.46201134	1.62838E-05	0.000200055	0.000117568	0.000827646
2027 Nov	45.29818344	0.063619629	0.006066334	0.001030299	10.26826286	0.03676777	3.885502815	0.001030299	0.001030299	5.15149E-06	0.007768299	0.001051655	0.011362079	0.015142261	5.15149E-06	13.69314671	1.62169E-05	0.000200521	0.000118861	0.000842876
2027 Dec	45.34784698	0.063878559	0.00606444	0.001030677	10.28611469	0.036824506	3.893283129	0.001030677	0.001030677	5.15338E-06	0.007775608	0.001052456	0.01136914	0.01515944	5.15338E-06	13.71028805	1.62195E-05	0.000200619	0.000118973	0.000843984
2028 Jan	45.41913223	0.063972719	0.006084672	0.001030626	10.30635166	0.036822218	3.900285959	0.001030626	0.001030626	5.15313E-06	0.007775162	0.00105367	0.01136652	0.015199398	5.15313E-06	13.74147892	1.62207E-05	0.000200948	0.000119697	0.000844836
2028 Feb	45.51427841	0.064038888	0.006114746	0.001030733	10.33144665	0.036811817	3.908562422	0.001030733	0.001030733	5.15366E-06	0.007774481	0.001055385	0.011363965	0.015253138	5.15366E-06	13.78279781	1.62262E-05	0.000201425	0.000120688	0.000845899
2028 Mar	45.57453537	0.064087063	0.006132191	0.00103099	10.34701443	0.036813322	3.913794279	0.00103099	0.00103099	5.15495E-06	0.007775618	0.001056516	0.011364786	0.015285148	5.15495E-06	13.80780602	1.62323E-05	0.000201722	0.000121248	0.000846638
2028 Apr	45.78437042	0.064361714	0.006165638	0.001035119	10.39570713	0.036956478	3.931845427	0.001035119	0.001035119	5.1756E-06	0.007806312	0.001061232	0.011409177	0.015362113	5.1756E-06	13.87514973	1.62985E-05	0.000202667	0.000122029	0.000850323
2028 May	46.61278152	0.065509595	0.00628076	0.001053465	10.58429337	0.037607349	4.002916336	0.001053465	0.001053465	5.26733E-06	0.00794437	0.001080341	0.011610572	0.015644267	5.26733E-06	14.12855053	1.65887E-05	0.000206349	0.000124381	0.000865566
2028 Jun	37.43344116	0.021999815	0.006736872	0.000986933	6.792920589	0.023314828	2.405452251	0.000986933	0.000986933	4.93466E-06	0.00737023	0.000894242	0.010095605	0.012011289	4.93466E-06	10.55491543	2.06625E-05	0.000197476	0.000105072	0.000645323
2028 Jul	37.11997604	0.013233736	0.00700804	0.001028221	6.392996311	0.022861447	2.240568161	0.001028221	0.001028221	5.1411E-06	0.007471711	0.000916881	0.010165171	0.011949967	5.1411E-06	10.33967972	2.14662E-05	0.000198383	0.000104451	0.000649445
2028 Aug	40.2947464	0.015816133	0.007439055	0.00110637	7.17839098	0.02627817	2.531666756	0.00110637	0.00110637	5.53185E-06	0.007874996	0.001002784	0.011030492	0.013109131	5.53185E-06	11.3678236	2.17462E-05	0.000210591	0.000112255	0.000713708
2028 Sep	42.79740524	0.034297515	0.007041311	0.001096185	8.413294792	0.030396204	3.068129063	0.001096185	0.001096185	5.48093E-06	0.008017091	0.001034567	0.011317307	0.014039839	5.48093E-06	12.38496399	2.03329E-05	0.000210645	0.000116354	0.000772768
2028 Oct	45.96825409	0.072962239	0.00584471	0.001021759	10.52993584	0.037050277	4.041526318	0.001021759	0.001021759	5.10879E-06	0.008071609	0.001048223	0.011218101	0.01530359	5.10879E-06	13.86690903	1.71611E-05	0.0002003	0.000120496	0.000864179
2028 Nov	46.7261734	0.077923492	0.005762309	0.001022413	10.85891342	0.038119145	4.18578434	0.001022413	0.001022413	5.11206E-06	0.008148569	0.001058952	0.011305507	0.015579173	5.11206E-06	14.15425873	1.69573E-05	0.000200902	0.000122016	0.000881982
2028 Dec	46.76224899	0.078045487	0.005763817	0.001022935	10.86985397	0.038156107	4.190292835	0.001022935	0.001022935	5.11468E-06	0.008153936	0.001059662	0.01131263	0.015591582	5.11468E-06	14.16615295	1.69624E-05	0.000201013	0.000122103	0.000882721
2029 Jan	46.8118515	0.078095749	0.005778773	0.001022907	10.88371277	0.038152773	4.194970608	0.001022907	0.001022907	5.11454E-06	0.008153135	0.001060527	0.011310799	0.015619846	5.11454E-06	14.18806744	1.69623E-05	0.000201249	0.000122621	0.000883287
2029 Feb	46.87457657	0.078127883	0.005799847	0.001022893	10.90027618	0.038141079	4.20031929	0.001022893	0.001022893	5.11446E-06	0.008151685	0.001061648	0.011307959	0.015656479	5.11446E-06	14.21596146	1.69643E-05	0.00020157	0.000123315	0.000883942
2029 Mar	46.9219017	0.078167289	0.005812963	0.001023171	10.91235828	0.038145378	4.204411983	0.001023171	0.001023171	5.11585E-06	0.008153174	0.001062556	0.011309574	0.015680838	5.11585E-06	14.23515224	1.69701E-05	0.000201802	0.000123727	0.000884546
2029 Apr	47.01919556	0.078306884	0.00582915	0.001024863	10.93559933	0.038204994	4.21304512	0.001024863	0.001024863	5.12431E-06	0.008166242	0.001064666	0.011327444	0.015718222	5.12431E-06	14.26742458	1.69988E-05	0.000202236	0.000124148	0.000886216
2029 May	47.91622543	0.079109304	0.006039852	0.001036141	11.14696789	0.038478054	4.286525726	0.001036141	0.001036141	5.1807E-06	0.008245027	0.001083214	0.011429796	0.016119331	5.1807E-06	14.59404659	1.72256E-05	0.000206633	0.000130061	0.000899297
2029 Jun	44.42263031	0.048645381	0.007192594	0.001015125	9.288327217	0.029549098	3.422885656	0.001015125	0.001015125	5.07562E-06	0.007801142	0.001019581	0.010636937	0.015118712	5.07562E-06	13.32579708	1.9613E-05	0.00021412	0.000140376	0.000783303
2029 Jul	35.10774612	0.011561188	0.006381436	0.000987738	6.405816555	0.025396904	2.32874918	0.000987738	0.000987738	4.93869E-06	0.006659911	0.000925744	0.009260129	0.011978107	4.93869E-06	10.11061478	1.73327E-05	0.000171301	0.000101017	0.000672604
2029 Aug	37.18213654	0.014747797	0.006358654	0.001033101	7.337818623	0.030802257	2.71462059	0.001033101	0.001033101	5.16551E-06	0.006499118	0.001011621	0.009716706	0.013124895	5.16551E-06	11.06805992	1.45689E-05	0.000167721	0.000105012	0.000745844
2029 Sep	40.33994293	0.031830549	0.006227434	0.001041128	8.559150696	0.03426275	3.204255342	0.001041128	0.001041128	5.20564E-06	0.006842794	0.001045152	0.010387185	0.014061316	5.20564E-06	12.17442799	1.42155E-05	0.000177175	0.000109983	0.000795128
2029 Oct	42.95955276	0.05304176	0.005866672	0.001024324	9.688267708	0.036915909	3.699414968	0.001024324	0.001024324	5.12162E-06	0.007243481	0.001056427	0.010663211	0.014813962	5.12162E-06	13.09339142	1.4343E-05	0.000182224	0.000114668	0.000842299
2029 Nov	43.76808167	0.058665346	0.005792221	0.001023208	10.00911808	0.037714142	3.838400126	0.001023208	0.001023208	5.11604E-06	0.007369257	0.001062636	0.010767621	0.015054	5.11604E-06	13.3708334	1.44207E-05	0.000184094	0.000116232	0.000857073
2029 Dec	43.80368042	0.058818497	0.005792718	0.001023576	10.02041626	0.037747178	3.843103409	0.001023576	0.001023576	5.11788E-06	0.00737501	0.001063189	0.010774183	0.015065361	5.11788E-06	13.38241577	1.44281E-05	0.000184208	0.000116313	0.000857746
2030 Jan	43.86053085	0.058897618	0.005808573	0.001023555	10.03630924	0.037744559	3.848551273	0.001023555	0.001023555	5.11778E-06	0.007375262	0.001064111	0.010773062	0.015096127	5.11778E-06	13.40678215	1.44315E-05	0.000184482	0.00011687	0.000858386
2030 Feb	43.93782806	0.058956619	0.005832052	0.001023745	10.05645561	0.037740037	3.855229378	0.001023745	0.001023745	5.11872E-06	0.007375737	0.00106551	0.010772585	0.015138337	5.11872E-06	13.43956947	1.44382E-05	0.000184871	0.000117633	0.00085927
2030 Mar	44.00269699	0.059019312	0.005847862	0.001024379	10.07264042	0.037757136	3.860864639	0.001024379	0.001024379	5.12189E-06	0.00737982	0.001066824	0.010777908	0.015169173	5.12189E-06	13.46439171	1.44493E-05	0.000185179	0.00011811	0.000860196
2030 Apr	44.13771057	0.059186496	0.005869912	0.001027021	10.10430813	0.037850942	3.872678041	0.001027021	0.001027021	5.13511E-06	0.007398578	0.001069949	0.010804939	0.015220557	5.13511E-06	13.50854588	1.44878E-05	0.000185767	0.000118645	0.0008624
2030 May	45.03641891	0.060349144	0.005998706	0.001046965	10.31076241	0.038572412	3.951048851	0.001046965	0.001046965	5.23482E-06	0.007541769	0.00109143	0.011012984	0.015540018	5.23482E-06	13.789011	1.47748E-05	0.000189608	0.000121417	0.000879767
2030 Jun	38.42086792	0.022739653	0.007010886	0.000988231	7.12258625	0.023784783	2.532034874	0.000988231	0.000988231	4.94115E-06	0.00728396	0.000921538	0.009967159	0.012709356	4.94115E-06	11.05275917	2.02015E-05	0.000199429	0.000116482	0.000666662
2030 Jul	35.53533173	0.01216903	0.006587793	0.000988652	6.342617035	0.023939673	2.269720316	0.000988652	0.000988652	4.94326E-06	0.006883157	0.000910201	0.009481648	0.011866625	4.94326E-06	10.11454105	1.8749E-05	0.000180502	0.000102483	0.000654042
2030 Aug	37.18102264	0.013751866	0.006552014	0.001035368	7.094474792	0.028898878	2.601635218	0.001035368	0.001035368	5.17684E-06	0.006733174	0.000994945	0.009744737	0.012928523	5.17684E-06	10.91394234	1.62644E-05	0.000174284	0.000106443	0.000728181
2030 Sep	39.40199661	0.019723479	0.006699436	0.001069165	7.765008926	0.031217135	2.856953859	0.001069165	0.001069165	5.34583E-06	0.007002107	0.001038114	0.010316937	0.013653943	5.34583E-06	11.64998817	1.63209E-05	0.000182598	0.000110924	0.000766571
2030 Oct	41.9846611	0.042908065	0.006210539	0.001042024	9.012721062	0.034404185	3.405912399	0.001042024	0.001042024	5.21012E-06	0.007315643	0.001046776	0.010558817	0.014422774	5.21012E-06	12.61432171	1.58398E-05	0.00018532	0.000114719	0.000815866
2030 Nov	43.07598495	0.052261788	0.006022735	0.001032523	9.524999619	0.035727799	3.630557775	0.001032523	0.001032523	5.16261E-06	0.007451073	0.001051638	0.010669816	0.014750202	5.16261E-06	13.01774502	1.56679E-05	0.000186657	0.000116393	0.000836715
2030 Dec	43.10915756	0.052424371	0.006022186	0.001032775	9.53646183	0.035761684	3.635374546	0.001032775	0.001032775	5.16387E-06	0.007455997	0.001052116	0.010675604	0.014760855	5.16387E-06	13.02888966	1.56713E-05	0.000186749	0.000116464	0.000837354
2031 Jan	43.1678772	0.052513216	0.006037963	0.001032749	9.553242683	0.035761908	3.641185045	0.001032749	0.001032749	5.16374E-06	0.007456196	0.001053071	0.010674674	0.014792481	5.16374E-06	13.05409527	1.56733E-05	0.000187024	0.000117028	0.000838035
2031 Feb	43.23777771	0.052565537	0.006060386	0.001032731	9.571946144	0.035751201	3.647313595	0.001032731	0.001032731	5.16366E-06	0.007455158	0.001054281	0.01067212	0.014832361	5.16366E-06	13.08481789	1.56763E-05	0.000187379	0.000117775	0.000838771
2031 Mar	43.29013443	0.052611381	0.006074606	0.001033062	9.585295677	0.035757147	3.651856422	0.001033062	0.001033062	5.16531E-06	0.007457049	0.001055288	0.010674245	0.014858987	5.16531E-06	13.10587788	1.56831E-05	0.000187634	0.000118222	0.000839449
2031 Apr	43.55924988	0.052928258	0.006116305	0.001038958	9.645890236	0.035958074	3.674630642	0.001038958	0.001038958	5.19479E-06	0.007499324	0.001061694	0.010734426	0.014956317	5.19479E-06	13.19033432	1.57737E-05	0.000188817	0.00011913	0.000844475
2031 May	50.32757187	0.055955399	0.008371022	0.001052628	11.31266022	0.034548324	4.201847553	0.001052628	0.001052628	5.26314E-06	0.00752795	0.001180194	0.010633029	0.018693272	5.26314E-06	16.06267738	1.67631E-05	0.00022589	0.000189725	0.00091197
2031 Jun	64.00748444	0.0460575	0.01473593	0.001003907	14.11357498	0.022390999	4.879373074	0.001003907	0.001003907	5.01953E-06	0.007054415	0.001377567	0.00931565	0.027093681	5.01953E-06	22.20676422	2.08037E-05	0.000323045	0.000378054	0.000961438
2031 Jul	62.61491013	0.041641667	0.014074764	0.00107921	13.47969913	0.024563702	4.67920208	0.00107921	0.00107921	5.39605E-06	0.007536805	0.001383376	0.010045117	0.025844185	5.39605E-06	21.24962616	2.18353E-05	0.000315695	0.000346543	0.000969701
2031 Aug	59.1088295	0.039156873	0.012550987	0.001097955	12.92372227	0.029266376	4.5505476	0.001097955	0.001097955	5.48977E-06	0.007248474	0.001362096	0.010386594	0.024059376	5.48977E-06	19.90061951	1.86682E-05	0.000286261	0.000301084	0.000968658
2031 Sep	54.24385452	0.058296341	0.009531112	0.001044437	12.53333664	0.035002444	4.557562351	0.001044437	0.001044437	5.22218E-06	0.007239331	0.001237783	0.010995898	0.020699518	5.22218E-06	17.81573486	1.5488E-05	0.000248111	0.000224523	0.000931995
2031 Oct	51.17249298	0.08557976	0.006880789	0.000994045	12.45952892	0.03941251	4.749866962	0.000994045	0.000994045	4.97022E-06	0.007722931	0.001138178	0.011061057	0.018310355	4.97022E-06	16.3414669	1.48315E-05	0.000216201	0.000168576	0.000938879
2031 Nov	51.20456696	0.087700114	0.006742475	0.000995259	12.5103054	0.039869145	4.783277035	0.000995259	0.000995259	4.97629E-06	0.007788149	0.001136897	0.011114465	0.018239584	4.97629E-06	16.32025337	1.48557E-05	0.000215129	0.00016576	0.000943499
2031 Dec	51.22094727	0.087792672	0.00674018	0.000995596	12.51564693	0.039895378	4.785756588	0.000995596	0.000995596	4.97798E-06	0.007792524	0.001137198	0.01111947	0.018242853	4.97798E-06	16.32448959	1.48609E-05	0.00021516	0.000165722	0.000943926
2032 Jan	51.27291107	0.087839082	0.006756085	0.000995635	12.52954006	0.039890409	4.790407181	0.000995635	0.000995635	4.97818E-06	0.00779238	0.001138113	0.011118021	0.018271944	4.97818E-06	16.34697151	1.48643E-05	0.000215417	0.000166256	0.000944516
2032 Feb	51.34230804	0.087869458	0.006779728	0.000995644	12.54751205	0.039875854	4.79616785	0.000995644	0.000995644	4.97822E-06	0.007791018	0.001139355	0.011114949	0.018312372	4.97822E-06	16.37766838	1.48682E-05	0.000215779	0.000167026	0.000945232
2032 Mar	51.40053177	0.087921277	0.006795251	0.00099605	12.56228733	0.039884031	4.801216125	0.00099605	0.00099605	4.98025E-06	0.007793418	0.001140486	0.011117762	0.018341621	4.98025E-06	16.40087128	1.48763E-05	0.000216061	0.000167509	0.000946

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2032 Apr	51.59304047	0.088223912	0.006825066	0.000999378	12.60964108	0.040012773	4.818980217	0.000999378	0.000999378	4.99689E-06	0.007819021	0.001144668	0.011153947	0.018415041	4.99689E-06	16.46487808	1.49272E-05	0.000216891	0.000168301	0.000949374
2032 May	52.77000427	0.08953961	0.00707018	0.001016019	12.89120007	0.040515073	4.919485569	0.001016019	0.001016019	5.0801E-06	0.007939764	0.001169424	0.011317381	0.018915661	5.0801E-06	16.88117599	1.52273E-05	0.000222428	0.000175085	0.000967687
2032 Jun	40.84907913	0.02858218	0.007588128	0.000977752	7.85342598	0.023622105	2.787786961	0.000977752	0.000977752	4.88876E-06	0.007321832	0.000950487	0.00993653	0.013932596	4.88876E-06	12.07820797	2.04024E-05	0.000211364	0.000138846	0.000689813
2032 Jul	33.66836929	0.010162816	0.006124767	0.000951362	6.17653513	0.024837404	2.253426313	0.000951362	0.000951362	4.75681E-06	0.006316932	0.000898359	0.008823806	0.011609314	4.75681E-06	9.748978615	1.61951E-05	0.000162132	9.78285E-05	0.000653439
2032 Aug	36.58837891	0.016914863	0.006088998	0.000993692	7.492282391	0.031346519	2.759093046	0.000993692	0.000993692	4.96846E-06	0.0061223	0.000987044	0.009677173	0.012919947	4.96846E-06	11.02524281	1.27301E-05	0.000163144	0.000101196	0.000726311
2032 Sep	39.33996582	0.026760105	0.006154978	0.001016419	8.479088783	0.034506846	3.120150805	0.001016419	0.001016419	5.0821E-06	0.006329646	0.001026548	0.010489522	0.013734481	5.0821E-06	11.9876194	1.20799E-05	0.000173743	0.000104827	0.000762651
2032 Oct	40.77096939	0.035304286	0.006087554	0.001022258	8.981324196	0.03578103	3.339650631	0.001022258	0.001022258	5.11129E-06	0.006587284	0.001042184	0.010679266	0.014172407	5.11129E-06	12.45627403	1.24526E-05	0.000177571	0.000108045	0.000790368
2032 Nov	41.42702866	0.040147614	0.006021006	0.001021125	9.235286713	0.036367517	3.453249931	0.001021125	0.001021125	5.10563E-06	0.006708752	0.001046698	0.010742791	0.014365634	5.10563E-06	12.67512131	1.26154E-05	0.000179021	0.000109447	0.000803072
2032 Dec	41.92753601	0.045156535	0.005919677	0.001014858	9.462673187	0.036818244	3.558312893	0.001014858	0.001014858	5.07429E-06	0.006806174	0.001046375	0.010757963	0.014502344	5.07429E-06	12.84773922	1.27279E-05	0.000179694	0.000110414	0.00081276
2033 Jan	42.03929901	0.045338292	0.005949192	0.001014859	9.493945122	0.036816165	3.569263935	0.001014859	0.001014859	5.0743E-06	0.006808139	0.001048162	0.01075608	0.0145616	5.0743E-06	12.89490032	1.27387E-05	0.000180222	0.000111474	0.000814083
2033 Feb	42.17912292	0.045453962	0.005992078	0.001015067	9.530673981	0.036802933	3.581463814	0.001015067	0.001015067	5.07534E-06	0.006808503	0.001050632	0.010753565	0.014638823	5.07534E-06	12.95472908	1.27508E-05	0.000180926	0.000112889	0.000815651
2033 Mar	42.31093979	0.045576908	0.006023365	0.001016517	9.563259125	0.036844157	3.592834473	0.001016517	0.001016517	5.08259E-06	0.006817664	0.001053364	0.010766345	0.014700229	5.08259E-06	13.004426	1.27742E-05	0.000181548	0.000113809	0.00081758
2033 Apr	42.66015625	0.045942165	0.006080258	0.001023923	9.643791199	0.037106086	3.622590303	0.001023923	0.001023923	5.11961E-06	0.006867009	0.001061742	0.010843306	0.014830505	5.11961E-06	13.11702251	1.28702E-05	0.000183079	0.000115073	0.000823974
2033 May	62.60571671	0.055862982	0.013037609	0.00102204	14.52022934	0.030307898	5.154720306	0.00102204	0.00102204	5.1102E-06	0.006841243	0.001389571	0.00993639	0.026146898	5.1102E-06	21.72088242	1.64439E-05	0.000295154	0.000337708	0.001007046
2033 Jun	60.7182045	0.039627243	0.014306643	0.000952932	13.20591927	0.019682681	4.523938179	0.000952932	0.000952932	4.76466E-06	0.006693023	0.001302476	0.008796487	0.025738569	4.76466E-06	21.04593658	2.04501E-05	0.000311628	0.000363852	0.000896452
2033 Jul	55.1703949	0.031802416	0.012406315	0.001007119	11.62467098	0.022594959	4.029541492	0.001007119	0.001007119	5.03559E-06	0.006928205	0.001244468	0.009284613	0.022536073	5.03559E-06	18.49913788	2.00979E-05	0.000279149	0.000296492	0.00086831
2033 Aug	56.74214172	0.032360233	0.012445092	0.001073037	12.0417738	0.026021561	4.211695194	0.001073037	0.001073037	5.36519E-06	0.007178108	0.001310262	0.009867704	0.0231068	5.36519E-06	18.97631836	1.97757E-05	0.000280698	0.000294613	0.000922494
2033 Sep	52.90580368	0.060483802	0.009153854	0.001025077	12.11593151	0.03366201	4.443855762	0.001025077	0.001025077	5.12539E-06	0.007386918	0.001200584	0.010623267	0.020032236	5.12539E-06	17.22713661	1.6543E-05	0.000241759	0.000216862	0.000917754
2033 Oct	49.70560074	0.094405979	0.005934189	0.000970219	12.28750038	0.040308096	4.765102863	0.000970219	0.000970219	4.85109E-06	0.007890285	0.001093813	0.010948451	0.017333269	4.85109E-06	15.67608833	1.4867E-05	0.000203923	0.000148606	0.000934418
2033 Nov	49.94284058	0.098272443	0.005720191	0.000975499	12.42835522	0.041289646	4.841477394	0.000975499	0.000975499	4.87749E-06	0.008014311	0.00109593	0.01108867	0.017280813	4.87749E-06	15.70464134	1.48766E-05	0.000202786	0.000144303	0.000945438
2033 Dec	49.96989059	0.098353632	0.005721305	0.000976033	12.4357605	0.041318469	4.844538689	0.000976033	0.000976033	4.88016E-06	0.008019359	0.001096498	0.011095397	0.017289069	4.88016E-06	15.71276951	1.48841E-05	0.000202879	0.00014434	0.000946004
2034 Jan	50.01876831	0.098383129	0.00573698	0.000976101	12.44850063	0.041312564	4.848702908	0.000976101	0.000976101	4.88051E-06	0.008019013	0.001097384	0.011094214	0.017316658	4.88051E-06	15.73395348	1.48873E-05	0.000203127	0.000144851	0.000946541
2034 Feb	50.08358765	0.098407425	0.005758977	0.000976163	12.46510506	0.041300386	4.854005814	0.000976163	0.000976163	4.88082E-06	0.008017988	0.001098565	0.011091959	0.017354069	4.88082E-06	15.76239204	1.48914E-05	0.000203466	0.000145557	0.000947219
2034 Mar	50.14004898	0.098462194	0.005773394	0.000976609	12.47941399	0.041311182	4.858943939	0.000976609	0.000976609	4.88304E-06	0.008020813	0.001099672	0.01109541	0.017381778	4.88304E-06	15.78454304	1.48999E-05	0.000203737	0.000146004	0.000947987
2034 Apr	50.46347427	0.09906517	0.005815172	0.000982534	12.56005955	0.041557182	4.88998127	0.000982534	0.000982534	4.91267E-06	0.008068994	0.00110669	0.011161799	0.017498566	4.91267E-06	15.88887024	1.49913E-05	0.000205075	0.000147107	0.000953931
2034 May	57.56804276	0.096215554	0.008566626	0.001003493	14.14618206	0.038964503	5.349309444	0.001003493	0.001003493	5.01747E-06	0.008001168	0.001240545	0.010945687	0.021625046	5.01747E-06	18.95278931	1.62461E-05	0.000247115	0.000228344	0.001017873
2034 Jun	64.39007568	0.048194956	0.014918583	0.000976291	14.28937435	0.021440366	4.934011459	0.000976291	0.000976291	4.88146E-06	0.006936459	0.001369262	0.009074952	0.027415525	4.88146E-06	22.46614838	2.06957E-05	0.000325807	0.000387459	0.000955103
2034 Jul	51.81669235	0.030930009	0.01107599	0.001008167	11.02995205	0.025638236	3.905471802	0.001008167	0.001008167	5.04083E-06	0.006708482	0.001217665	0.009142697	0.02103512	5.04083E-06	17.25357437	1.79142E-05	0.000250803	0.000261545	0.000870106
2034 Aug	54.64693069	0.033019368	0.011387973	0.0010883	11.7386713	0.029335175	4.176261425	0.0010883	0.0010883	5.4415E-06	0.007094527	0.001301758	0.010003328	0.022039356	5.4415E-06	18.14817047	1.80132E-05	0.000260325	0.000265792	0.000934428
2034 Sep	52.34136963	0.062565058	0.008716253	0.001038703	12.04172325	0.035173878	4.475285053	0.001038703	0.001038703	5.19351E-06	0.007486874	0.001206979	0.010572876	0.019760825	5.19351E-06	16.96994019	1.63049E-05	0.000232814	0.000207283	0.000938387
2034 Oct	49.79069519	0.091676161	0.006099476	0.000979532	12.23534393	0.0401325	4.74015379	0.000979532	0.000979532	4.89766E-06	0.007868154	0.00110571	0.010890255	0.017494498	4.89766E-06	15.72964191	1.49401E-05	0.00020446	0.000151988	0.000939057
2034 Nov	49.96385956	0.093701206	0.006004395	0.000982485	12.31930161	0.040626086	4.782262325	0.000982485	0.000982485	4.91243E-06	0.007935103	0.001107303	0.010972302	0.017486192	4.91243E-06	15.76241875	1.49618E-05	0.000204269	0.000150119	0.000944784
2034 Dec	49.99409485	0.093794838	0.006005512	0.00098307	12.32765198	0.040658336	4.785710812	0.00098307	0.00098307	4.91535E-06	0.007940762	0.001107925	0.010979898	0.01749528	4.91535E-06	15.77148247	1.49702E-05	0.000204373	0.000150158	0.000945409
2035 Jan	50.04002762	0.093827516	0.006019983	0.00098312	12.33976555	0.040653247	4.789691925	0.00098312	0.00098312	4.9156E-06	0.007940476	0.001108743	0.010978842	0.01752105	4.9156E-06	15.79137325	1.4973E-05	0.000204606	0.000150634	0.000945913
2035 Feb	50.10338974	0.093856871	0.006040894	0.000983213	12.35604286	0.040643688	4.794938087	0.000983213	0.000983213	4.91607E-06	0.007939859	0.001109899	0.010977202	0.017557062	4.91607E-06	15.81890297	1.49774E-05	0.000204934	0.000151306	0.000946592
2035 Mar	50.1515274	0.093898311	0.006053937	0.000983531	12.36826992	0.040649492	4.799098969	0.000983531	0.000983531	4.91765E-06	0.007941676	0.00111083	0.010979282	0.017581463	4.91765E-06	15.83820534	1.49839E-05	0.000205169	0.000151713	0.000947219
2035 Apr	50.43560791	0.094402365	0.006092363	0.000988743	12.43853283	0.040860761	4.826028824	0.000988743	0.000988743	4.94372E-06	0.007983343	0.001117045	0.011036638	0.017685354	4.94372E-06	15.93026352	1.50642E-05	0.000206352	0.000152722	0.000952423
2035 May	53.77999496	0.095263056	0.007141999	0.001012775	13.21114063	0.040696096	5.072267532	0.001012775	0.001012775	5.06387E-06	0.008101366	0.001182407	0.011157539	0.019418076	5.06387E-06	17.26973915	1.57568E-05	0.000224483	0.000183371	0.000991179
2035 Jun	43.96855545	0.024394967	0.009205416	0.000958481	8.508808136	0.020483542	2.94369626	0.000958481	0.000958481	4.7924E-06	0.007053778	0.0010019	0.00940569	0.016104866	4.7924E-06	13.59912586	2.09161E-05	0.000232672	0.000188171	0.000702613
2035 Jul	39.63187027	0.015718084	0.007879119	0.001007893	7.153738022	0.022117415	2.494512558	0.001007893	0.001007893	5.03947E-06	0.007273177	0.000957286	0.00982627	0.013586073	5.03947E-06	11.57030869	2.10919E-05	0.000209992	0.000136891	0.000674387
2035 Aug	41.76678467	0.021720858	0.007677902	0.001043992	8.203346252	0.027924309	2.894649506	0.001043992	0.001043992	5.21996E-06	0.007119007	0.001022123	0.010710277	0.014388639	5.21996E-06	12.47430038	1.80231E-05	0.000209886	0.000133193	0.000727827
2035 Sep	45.27191544	0.064673737	0.006065842	0.000991576	10.56224918	0.037135322	3.969614029	0.000991576	0.000991576	4.95788E-06	0.007320317	0.00104187	0.011248266	0.015357719	4.95788E-06	13.93936157	1.42367E-05	0.000198734	0.000123295	0.000830026
2035 Oct	47.39651871	0.086985372	0.005451204	0.000980176	11.58586216	0.040389858	4.478285789	0.000980176	0.000980176	4.90088E-06	0.007781119	0.0010588	0.011268261	0.016015945	4.90088E-06	14.67748928	1.43863E-05	0.000196243	0.000124636	0.000895058
2035 Nov	47.59679413	0.092939809	0.005213594	0.000967527	11.78782749	0.040998682	4.590642452	0.000967527	0.000967527	4.83764E-06	0.007847983	0.00105401	0.011168675	0.016065504	4.83764E-06	14.76384163	1.42968E-05	0.000193647	0.000123875	0.000906399
2035 Dec	47.64223862	0.093104221	0.00521504	0.000968223	11.80115414	0.041043766	4.596291542	0.000968223	0.000968223	4.84112E-06	0.007855937	0.001054891	0.011177345	0.016080597	4.84112E-06	14.77826691	1.43084E-05	0.000193786	0.000123976	0.000907367
2036 Jan	47.71038818	0.093149148	0.005236909	0.000968289	11.81899071	0.04103452	4.602158546	0.000968289	0.000968289	4.84145E-06	0.007855418	0.001056117	0.011175143	0.016119335	4.84145E-06	14.80792141	1.43131E-05	0.00019413	0.000124696	0.000908123
2036 Feb	47.79860306	0.093181945	0.005267181	0.00096833	11.84164143	0.041015923	4.609387875	0.00096833	0.00096833	4.84165E-06	0.00785374	0.001057714	0.011171398	0.016170735	4.84165E-06	14.84687519	1.43184E-05	0.000194592	0.000125674	0.000909035
2036 Mar	47.84719086	0.093201295	0.005283663	0.000968368	11.85410881	0.04100655	4.613380909	0.000968368	0.000968368	4.84184E-06	0.007852965	0.001058596	0.01116956	0.016198844	4.84184E-06	14.86822128	1.43215E-05	0.000194845	0.000126206	0.000909544
2036 Apr	48.50499725	0.093946442	0.005435479	0.000974954	12.02014542	0.041207038	4.671882629	0.000974954	0.000974954	4.87477E-06	0.007898618	0.001071781	0.011229263	0.016504593	4.87477E-06	15.117136	1.44372E-05	0.000197919	0.000130815	0.000919098
2036 May	50.8802681	0.096538559	0.005974984	0.001001637	12.60673141	0.04198448	4.878591061	0.001001637	0.001001637	5.00818E-06	0.008086417	0.001120053	0.011476464	0.017582936	5.00818E-06	15.99864483	1.49241E-05	0.000209135	0.00014672	0.000954061
2036 Jun	42.03946304	0.031341549	0.007822753	0.00097999	8.212093353	0.023954678	2.919878244	0.00097999	0.00097999	4.89995E-06	0.007367268	0.000969785	0.009974571	0.014512352	4.89995E-06	12.56257915	2.04468E-05	0.000216292	0.000148038	0.000706261
2036 Jul	36.8431282	0.014430069	0.006740925	0.001003636	6.841358662	0.025845055	2.480964899	0.001003636	0.001003636	5.01818E-06	0.006825156	0.000955051	0.009471979	0.012699096	5.01818E-06	10.73347664	1.78126E-05	0.00018017	0.000111739	0.00069451
2036 Aug	39.37681961	0.016155817	0.007020421	0.001072002	7.542918205	0.029511651	2.758995056	0.001072002	0.001072002	5.36001E-06	0.007067843	0.001038051	0.010106124	0.013763501	5.36001E-06	11.61886501	1.73825E-05	0.000186154	0.000117889	0.000759912
2036 Sep	41.74318314	0.033809345	0.006634002	0.001056205	8.726769447	0.033219509	3.239785433	0.001056205	0.001056205	5.28103E-06	0.007179878	0.001053552	0.010640122	0.014432506	5.28103E-06	12.53735065	1.59552E-05	0.000189791	0.000118371	0.000797494
2036 Oct	45.06637192	0.067370698	0.005808947	0.001013361	10.42891216	0.03775195	4.00788641	0.001013361	0.001013361	5.0668E-06	0.007627386	0.001059646	0.010892535	0.015381478	5.0668E-06	13.77772903	1.52619E-05	0.000190906	0.00012135	0.000867111
2036 Nov	45.5896492	0.072710618	0.005676609	0.001006387	10.6987381	0.038469017	4.129747391	0.001006387	0.001006387	5.03194E-06	0.007697629	0.001060466	0.010931215	0.015530546	5.03194E-06	13.97347546	1.51492E-05	0.000191057	0.000121808	0.000878083
2036 Dec	45.73057175	0.074407659	0.005629618	0.001003444	10.77985668	0.038677964	4.166845322	0.001003444	0.001003444	5.01722E-06	0.007715506	0.001060034	0.010936644	0.015569014	5.01722E-06	14.02822495	1.51024E-05	0.00019098	0.000121877	0.00088109
2037 Jan	45.82139587	0.074507035	0.005656057	0.001003509	10.8046608	0.038673822	4.175238132	0.001003509	0.001003509	5.01755E-06	0.007715611	0.001061598	0.010935072	0.015618812	5.01755E-06	14.06723022	1.51074E-05	0.000191422	0.000122777	0.00088213
2037 Feb	45.93688583	0.07457719	0.005693184	0.001003654	10.83476353	0.038658928	4.185055256	0.001003654	0.001003654	5.01827E-06	0.00771475	0.001063677	0.010932236	0.015683977	5.01827E-06	14.11730385	1.5115E-05	0.000192012	0.000123986	0.000883385
2037 Mar	46.06056976	0.074713826	0.005720986	0.001005056	10.8655014	0.038701728	4.19593811	0.001005056	0.001005056	5.02528E-06	0.007724446	0.001066215	0.010945093	0.015740272	5.02528E-06	14.16328526	1.51391E-05	0.000192588	0.00012481	0.000885236
2037 Apr	46.27331161	0.075022332	0.005754519	0.001008957	10.91657734	0.038845543	4.215097904	0.001008957	0.001008957	5.04478E-06	0.00775381	0.001070953	0.010986195	0.015820989	5.04478E-06	14.23324585	1.51996E-05	0.000193511	0.000125666	0.000889023
2037 May	65.40442657	0.072638758	0.013157605	0.001008149	15.42991257	0.030775951	5.546975613	0.001008149	0.001008149	5.04075E-06	0.00730872	0.001405179	0.009917707	0.027180843	5.04075E-06	22.70394325	1.78748E-05	0.000305562	0.000353907	0.001048626
2037 Jun	63.09138107	0.043685731	0.014867458	0.00095845	13.88990593	0.020115234	4.76981926	0.00095845	0.00095845	4.79225E-06	0.006747769	0.001344333	0.008820547	0.026969174	4.79225E-06	22.03520584	2.05321E-05	0.00032182	0.00038431	0.000928878
2037 Jul	57.94467545	0.035588287	0.013101232	0.001023163	12.32008171	0.022759711	4.26650238	0.001023163	0.001023163	5.11582E-06	0.007107139	0.001290349	0.009459218	0.023827866	5.11582E-06	19.56196594	2.07851E-05	0.000293672	0.000318224	0.000900447
2037 Aug	58.75173569	0.036864508	0.012871121	0.001071826	12.63100243	0.026181471	4.401208401	0.001071826	0.001071826	5.35913E-06	0.007253296	0.001330487	0.010112582	0.023925489	5.35913E-06	19.75296021	1.99553E-05	0.00029243	0.000308304	0.000934594
2037 Sep	58.34352875	0.046447929	0.011875048	0.001083026	12.86218929	0.029906597	4.551085949	0.001083026	0.001083026	5.41513E-06	0.007446491	0.001319397	0.010702044	0.02316625	5.41513E-06	19.42827606	1.89075E-05	0.00028304	0.000282674	0.00095049
2037 Oct	54.70702362	0.070287891	0.009126341	0.001034799	12.70771122	0.035045564	4.69745779	0.001034799	0.001034799	5.174E-06	0.007719453	0.001220357	0.01088364	0.02057514	5.174E-06	17.8043232	1.71507E-05	0.000247607	0.00022133	0.000949989
2037 Nov	54.33556366	0.074446946	0.008716057	0.001031116	12.73366356	0.036022048	4.740138054	0.001031116	0.001031116	5.15558E-06	0.007794864	0.001209157	0.01095691	0.020236496	5.15558E-06	17.61180878	1.6934E-05	0.00024284	0.000212245	0.000953725
2037 Dec	54.36751556	0.074597515	0.00871316	0.0010318	12.74373627	0.036071204	4.744643211	0.0010318	0.0010318	5.159E-06	0.007802392	0.0012098	0.010966743	0.020243812	5.159E-06	17.62051773	1.69416E-05	0.000242912	0.000212195	0.000954521
2038 Jan	54.41254425	0.074658737	0.008725432	0.00103182	12.75649834	0.036072563	4.749077797	0.00103182	0.00103182	5.1591E-06	0.007802476	0.001210579	0.010965934	0.020268418	5.1591E-06	17.63990784	1.69426E-05	0.000243118	0.00021263	0.000955073
2038 Feb	54.47488403	0.074697405	0.008745745	0.001031838	12.77298641	0.036063172	4.754461288	0.001031838	0.001031838	5.15919E-06	0.0078015	0.001211692	0.010963628	0.020304244	5.15919E-06	17.66732979	1.69453E-05	0.000243434	0.000213301	0.000955744
2038 Mar	54.52294922	0.074737787	0.008759082	0.001032115	12.78527927	0.036067359	4.758625507	0.001032115	0.001032115	5.16057E-06	0.007802982	0.001212612	0.010965203	0.020329027	5.16057E-06	17.68684959	1.69512E-05	0.000243669	0.000213722	0.000956357
2038 Apr	54.73985672	0.075020552	0.008797131	0.00103586	12.83672237	0.036195096	4.7775383	0.00103586	0.00103586	5.1793E-06	0.007830946	0.001217351	0.011004209	0.020413812	5.1793E-06	17.75945091	1.70134E-05	0.00024465	0.000214704	0.0009603
2038 May	61.87147903	0.075000919	0.011438773	0.001044066	14.53210068	0.03378734	5.291373253	0.001044066	0.001044066	5.22033E-06	0.007733377	0.001345581	0.010699396	0.024570333	5.22033E-06	20.87342834	1.80183E-05	0.000285161	0.000296274	0.001025957
2038 Jun	66.34505463	0.047657773	0.015614411	0.000987369	14.73549747	0.021110089	5.06853056	0.000987369	0.000987369	4.93685E-06	0.006944384	0.001408605	0.009087463	0.028505452	4.93685E-06	23.28726768	2.09818E-05	0.000336753	0.000407675	0.000975771
2038 Jul	64.96913147	0.043059129	0.014924196	0.001075608	14.01369572	0.023240138	4.831009865	0.001075608	0.001075608	5.37804E-06	0.007582596	0.001412294	0.010011833	0.027066844	5.37804E-06	22.21832466	2.26277E-05	0.000331462	0.000372166	0.000981379
2038 Aug	65.37586975	0.04484006	0.014384144	0.001132534	14.30437374	0.02792668	4.963069916	0.001132534	0.001132534	5.66267E-06	0.007723165	0.001448468	0.010948082	0.026791088	5.66267E-06	22.20443344	2.11936E-05	0.000326893	0.000351494	0.001013877
2038 Sep	62.08579636	0.057473864	0.012335612	0.001107323	13.98708057	0.031958312	4.971231461	0.001107323	0.001107323	5.53662E-06	0.007800922	0.001375177	0.011244705	0.024597969	5.53662E-06	20.77646446	1.93673E-05	0.000299123	0.000300482	0.001002307
2038 Oct	58.40441895	0.073708601	0.010053274	0.00106846	13.60719204	0.035697833	4.992715836	0.00106846	0.00106846	5.3423E-06	0.007965431	0.001287186	0.011300395	0.022224452	5.3423E-06	19.18499565	1.79375E-05	0.000267501	0.000247359	0.000992682
2038 Nov	58.34857178	0.075129025	0.009925944	0.001069472	13.62829494	0.036091365	5.011945724	0.001069472	0.001069472	5.34736E-06	0.00800541	0.001285465	0.011344423	0.022133753	5.34736E-06	19.13936043	1.7899E-05	0.000266191	0.000244442	0.000995514
2038 Dec	58.34427261	0.075278476	0.009912976	0.001069604	13.63083744	0.036133166	5.014071941	0.001069604	0.001069604	5.34802E-06	0.008009767	0.00128532	0.011349288	0.022124901	5.34802E-06	19.13511467	1.78955E-05	0.000266062	0.000244146	0.000995833
2039 Jan	58.38686371	0.075342819	0.009924535	0.001069557	13.64328194	0.036133923	5.018443108	0.001069557	0.001069557	5.34778E-06	0.008009437	0.001286042	0.011347692	0.022148743	5.34778E-06	19.15382767	1.78949E-05	0.00026625	0.000244572	0.000996361
2039 Feb	58.45057678	0.075382657	0.009945571	0.001069526	13.66028976	0.036122829	5.02399683	0.001069526	0.001069526	5.34763E-06	0.00800805	0.001287171	0.011344661	0.022185897	5.34763E-06	19.18216515	1.78968E-05	0.000266572	0.000245273	0.000997039

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2039 Mar	58.54174423	0.075477138	0.009666646	0.001070542	13.6827507	0.03615164	5.031874657	0.001070542	0.001070542	5.35271E-06	0.00801502	0.001289029	0.011353956	0.02222758	5.35271E-06	19.21614075	1.79151E-05	0.000267004	0.000245893	0.000998372
2039 Apr	58.77724457	0.075767592	0.010009915	0.001074475	13.73845291	0.036281351	5.052140713	0.001074475	0.001074475	5.37238E-06	0.008044112	0.001294129	0.011394834	0.022321034	5.37238E-06	19.29575539	1.79817E-05	0.000268088	0.000247017	0.00100226
2039 May	60.1570015	0.077138893	0.010309649	0.001094045	14.06284904	0.036823045	5.166599274	0.001094045	0.001094045	5.47023E-06	0.008183544	0.001323207	0.011583611	0.02291224	5.47023E-06	19.78454781	1.83481E-05	0.000274724	0.000255193	0.001023308
2039 Jun	40.08564377	0.023763433	0.007602149	0.000988964	7.47036314	0.022787737	2.626149654	0.000988964	0.000988964	4.94482E-06	0.007367242	0.000940273	0.010004804	0.013505777	4.94482E-06	11.69882393	2.09781E-05	0.000211362	0.000133333	0.000673255
2039 Jul	34.23603439	0.00993791	0.006079432	0.000976285	6.477939606	0.027360728	2.405472755	0.000976285	0.000976285	4.88142E-06	0.006210065	0.000944748	0.008808047	0.01214871	4.88142E-06	10.08493805	1.48554E-05	0.000156092	0.000100055	0.000695714
2039 Aug	36.38367462	0.014533271	0.005614721	0.00102784	8.011400223	0.037922997	3.096926689	0.00102784	0.00102784	5.1392E-06	0.005475238	0.00109144	0.009013763	0.014016001	5.1392E-06	11.49251938	7.82852E-06	0.000133071	0.000103438	0.000832073
2039 Sep	39.58525085	0.029746568	0.005673762	0.00104357	9.029368401	0.039993796	3.484052181	0.00104357	0.00104357	5.21785E-06	0.006001417	0.001114996	0.00979898	0.014788569	5.21785E-06	12.47949982	8.77349E-06	0.00014859	0.000108875	0.000866406
2039 Oct	41.65903854	0.045705136	0.005519967	0.001030895	9.764417648	0.040805146	3.791739941	0.001030895	0.001030895	5.15447E-06	0.00646267	0.001109528	0.010119096	0.015197443	5.15447E-06	13.09374523	9.94788E-06	0.000157979	0.000112541	0.000886925
2039 Nov	41.8852272	0.046394795	0.005536109	0.001034427	9.825468063	0.040987339	3.816164732	0.001034427	0.001034427	5.17214E-06	0.006502261	0.001113594	0.010168115	0.015268741	5.17214E-06	13.16362572	1.00238E-05	0.000158886	0.000113089	0.000890978
2039 Dec	41.92930603	0.046541806	0.005538859	0.001035057	9.837594032	0.041021716	3.821034193	0.001035057	0.001035057	5.17528E-06	0.006510105	0.00111433	0.010177497	0.015282314	5.17528E-06	13.1772089	1.00392E-05	0.000159064	0.000113194	0.000891746
2040 Jan	41.97239685	0.046611015	0.00555065	0.001035026	9.849323273	0.041016497	3.825013876	0.001035026	0.001035026	5.17513E-06	0.006511084	0.001114949	0.010177203	0.015304495	5.17513E-06	13.19513035	1.00459E-05	0.000159287	0.000113603	0.000892177
2040 Feb	42.02584839	0.046654195	0.005567503	0.001035058	9.863257408	0.041007854	3.829562664	0.001035058	0.001035058	5.17529E-06	0.006511084	0.001115851	0.010176032	0.015334015	5.17529E-06	13.21806145	1.00513E-05	0.000159567	0.000114156	0.000892727
2040 Mar	42.09967804	0.046727397	0.005582575	0.00103618	9.881336212	0.041046958	3.836115122	0.00103618	0.00103618	5.1809E-06	0.006518036	0.00111753	0.010186264	0.015366378	5.1809E-06	13.24459457	1.0065E-05	0.000159889	0.000114577	0.000893978
2040 Apr	42.27503204	0.046917152	0.005608777	0.001040108	9.922913551	0.041199576	3.851996183	0.001040108	0.001040108	5.20054E-06	0.006542686	0.001122028	0.010224433	0.015433406	5.20054E-06	13.30160809	1.01048E-05	0.000160578	0.000115177	0.000897525
2040 May	48.38010788	0.050189078	0.007647171	0.001052433	11.36817551	0.039460648	4.300643921	0.001052433	0.001052433	5.26216E-06	0.006663857	0.001220967	0.010188779	0.018685279	5.26216E-06	15.82660007	1.15344E-05	0.000196064	0.000177809	0.000952149
2040 Jun	54.02962494	0.032585718	0.012244822	0.000967329	11.31005573	0.020494951	3.890291929	0.000967329	0.000967329	4.83665E-06	0.006864735	0.00119127	0.009115419	0.021881958	4.83665E-06	18.04924774	2.05744E-05	0.00027917	0.000291787	0.000825569
2040 Jul	49.0969429	0.02516165	0.01061733	0.001019432	9.785751343	0.022321016	3.389752865	0.001019432	0.001019432	5.09716E-06	0.007205577	0.001129863	0.009678332	0.018855175	5.09716E-06	15.68050098	2.10699E-05	0.000254145	0.000230415	0.000789233
2040 Aug	49.36075592	0.02590186	0.010198027	0.00106244	10.07851601	0.026541056	3.543030977	0.00106244	0.00106244	5.3122E-06	0.007176124	0.001174147	0.010128956	0.018923828	5.3122E-06	15.78076553	1.92526E-05	0.000245561	0.000218368	0.000831517
2040 Sep	49.30392456	0.035376985	0.009296793	0.001059405	10.57283401	0.030831521	3.759100914	0.001059405	0.001059405	5.29703E-06	0.007103433	0.001165509	0.010841807	0.018396361	5.29703E-06	15.72496605	1.68961E-05	0.000237822	0.00019588	0.000840911
2040 Oct	49.8390007	0.048332121	0.008630009	0.00105473	11.02671623	0.033330295	4.006319046	0.00105473	0.00105473	5.27365E-06	0.00736957	0.001161997	0.011028671	0.018287856	5.27365E-06	15.83072186	1.66643E-05	0.000232714	0.000185917	0.000869725
2040 Nov	50.05779266	0.049902495	0.008584954	0.001057613	11.111763	0.033710431	4.046208858	0.001057613	0.001057613	5.28806E-06	0.007422346	0.001165352	0.011084563	0.018334845	5.28806E-06	15.89320564	1.66926E-05	0.000232905	0.000185427	0.000875671
2040 Dec	50.07913971	0.05004013	0.008581511	0.001057914	11.11964226	0.033744842	4.049845219	0.001057914	0.001057914	5.28957E-06	0.007427262	0.001165699	0.011089932	0.018339813	5.28957E-06	15.8993845	1.66959E-05	0.000232933	0.000185394	0.000876226
2041 Jan	50.12212372	0.050116006	0.008591922	0.001057964	11.13205433	0.033750102	4.05429697	0.001057964	0.001057964	5.28982E-06	0.007428113	0.001166429	0.011089782	0.018362366	5.28982E-06	15.91745377	1.66978E-05	0.00023312	0.000185779	0.000876794
2041 Feb	50.177845	0.050163049	0.008608857	0.001058045	11.14688015	0.03374631	4.059251785	0.001058045	0.001058045	5.29022E-06	0.007428082	0.001167428	0.011088713	0.018393321	5.29022E-06	15.94142056	1.67013E-05	0.000233395	0.000186342	0.000877435
2041 Mar	50.2498436	0.050230306	0.008625231	0.001058967	11.16420841	0.033772234	4.065320492	0.001058967	0.001058967	5.29483E-06	0.007434226	0.001168941	0.011097328	0.018425452	5.29483E-06	15.96770954	1.67171E-05	0.000233739	0.000186803	0.000878512
2041 Apr	50.41093445	0.050388642	0.008655176	0.001062021	11.20076084	0.033867668	4.078492165	0.001062021	0.001062021	5.31011E-06	0.007455483	0.001172596	0.011128741	0.018487794	5.31011E-06	16.02084732	1.67661E-05	0.000234493	0.000187513	0.000881225
2041 May	52.26675415	0.051627789	0.009189118	0.001074699	11.64962387	0.033921968	4.227828503	0.001074699	0.001074699	5.37349E-06	0.007534282	0.001208087	0.011201784	0.019429611	5.37349E-06	16.75911713	1.71269E-05	0.000244052	0.000203717	0.00090415
2041 Jun	39.55281067	0.020801779	0.007551944	0.000991289	7.324172497	0.022908766	2.564698935	0.000991289	0.000991289	4.95644E-06	0.007258135	0.000938805	0.010006065	0.013324799	4.95644E-06	11.52567959	2.05383E-05	0.000208648	0.000129974	0.000667342
2041 Jul	34.43878555	0.010062278	0.006430207	0.000969186	6.09809494	0.023375522	2.18104887	0.000969186	0.000969186	4.84593E-06	0.006685048	0.000890765	0.009221658	0.011528073	4.84593E-06	9.789333344	1.82057E-05	0.000174704	9.90934E-05	0.000638278
2041 Aug	37.22663498	0.012906674	0.006687909	0.001036431	6.94897747	0.027641157	2.514636517	0.001036431	0.001036431	5.18215E-06	0.006878541	0.000978921	0.009925735	0.012708501	5.18215E-06	10.80416107	1.73153E-05	0.000180662	0.000105618	0.000708296
2041 Sep	39.5676651	0.023094874	0.006638207	0.001049816	7.882270813	0.030806327	2.874466658	0.001049816	0.001049816	5.24908E-06	0.007012379	0.001014156	0.010528629	0.013466034	5.24908E-06	11.67105007	1.63781E-05	0.000187056	0.00010875	0.000746301
2041 Oct	41.76955414	0.0407749	0.006299816	0.001037792	8.88090229	0.03355768	3.317800522	0.001037792	0.001037792	5.18896E-06	0.007293012	0.001031087	0.010729454	0.01417888	5.18896E-06	12.4857111	1.60713E-05	0.00018924	0.000112741	0.000793096
2041 Nov	42.25650024	0.043129127	0.006292143	0.001041818	9.048611641	0.034067739	3.388954639	0.001041818	0.001041818	5.20909E-06	0.007365473	0.00103858	0.010810407	0.014339991	5.20909E-06	12.65019798	1.61191E-05	0.000190503	0.000113819	0.000802945
2041 Dec	42.30412292	0.043305304	0.006293728	0.001042444	9.063167572	0.034114204	3.394979	0.001042444	0.001042444	5.21222E-06	0.007372922	0.001039443	0.010819594	0.014355869	5.21222E-06	12.66574097	1.61278E-05	0.000190654	0.000113931	0.000803891
2042 Jan	42.36359406	0.043400586	0.006308243	0.001042597	9.079897881	0.03412237	3.400905609	0.001042597	0.001042597	5.21299E-06	0.007374507	0.001040473	0.010820556	0.014386358	5.21299E-06	12.69030571	1.61318E-05	0.000190923	0.000114444	0.000804664
2042 Feb	42.42640686	0.043453116	0.006327796	0.001042616	9.09677124	0.03411537	3.406501293	0.001042616	0.001042616	5.21308E-06	0.007373938	0.001041571	0.01081867	0.014421784	5.21308E-06	12.71769047	1.61348E-05	0.000191236	0.0001151	0.000805355
2042 Mar	42.4875145	0.04350926	0.006342467	0.001043286	9.111731529	0.034133121	3.41170907	0.001043286	0.001043286	5.21643E-06	0.007378291	0.001042829	0.01082448	0.014450236	5.21643E-06	12.74067497	1.61467E-05	0.000191528	0.00011553	0.000806241
2042 Apr	42.80314636	0.0438288	0.006392763	0.001050561	9.180483818	0.03436875	3.437226534	0.001050561	0.001050561	5.2528E-06	0.00742952	0.001050438	0.010899308	0.014561977	5.2528E-06	12.83799362	1.62601E-05	0.00019296	0.000116539	0.000812074
2042 May	47.10728836	0.04664978	0.007674915	0.001073236	10.23612785	0.034238324	3.784637213	0.001073236	0.001073236	5.36618E-06	0.007562604	0.001130287	0.011002431	0.016798176	5.36618E-06	14.58491039	1.7007E-05	0.00021541	0.000156068	0.000862364
2042 Jun	40.37900162	0.022985466	0.00763243	0.000999943	7.609645367	0.023839116	2.687064409	0.000999943	0.000999943	4.99972E-06	0.007290662	0.000961538	0.010023151	0.013772367	4.99972E-06	11.87367439	2.03056E-05	0.000209488	0.000135044	0.000689736
2042 Jul	35.48877716	0.011287897	0.00646608	0.000993831	6.54850769	0.026006386	2.386931181	0.000993831	0.000993831	4.96916E-06	0.006605223	0.000942793	0.009239828	0.012274747	4.96916E-06	10.31344795	1.69156E-05	0.000170931	0.000104605	0.000685724
2042 Aug	39.33155441	0.028110698	0.00599447	0.0009843	8.858686447	0.035943292	3.209106445	0.0009843	0.0009843	4.9215E-06	0.005853966	0.001011171	0.010858739	0.013660443	4.9215E-06	12.17563629	9.46049E-06	0.000173635	0.000100414	0.000739079
2042 Sep	42.82304001	0.046717387	0.005843716	0.000986921	10.26724625	0.039912038	3.745970249	0.000986921	0.000986921	4.93461E-06	0.006137415	0.001040755	0.01178858	0.014599721	4.93461E-06	13.41250038	8.5825E-06	0.000185869	0.000103868	0.000781333
2042 Oct	44.71509933	0.064662971	0.00555069	0.000980951	10.93150902	0.040945891	4.099375248	0.000980951	0.000980951	4.90475E-06	0.006738422	0.001049971	0.0116348	0.015184656	4.90475E-06	13.9774704	1.02939E-05	0.000188008	0.000110164	0.000832081
2042 Nov	45.02058792	0.06565287	0.005569587	0.000985942	11.01346016	0.041200452	4.133866787	0.000985942	0.000985942	4.92971E-06	0.006795842	0.001055875	0.011691003	0.015286321	4.92971E-06	14.07200909	1.04102E-05	0.000189083	0.000110976	0.000838325
2042 Dec	45.05363464	0.065766454	0.005571405	0.000986461	11.0224123	0.041227691	4.137674809	0.000986461	0.000986461	4.93231E-06	0.006802189	0.001056499	0.011696807	0.015297294	4.93231E-06	14.08222485	1.04234E-05	0.000189197	0.000111064	0.000839007
2043 Jan	45.0955925	0.065820143	0.005583259	0.000986535	11.03344536	0.041224808	4.141522408	0.000986535	0.000986535	4.93267E-06	0.006803275	0.001057223	0.011695779	0.015319922	4.93267E-06	14.09977055	1.04301E-05	0.000189399	0.000111474	0.000839529
2043 Feb	45.14558029	0.06585294	0.005599501	0.000986579	11.0463171	0.041216049	4.145750999	0.000986579	0.000986579	4.9329E-06	0.006803095	0.001058112	0.011693891	0.015348351	4.9329E-06	14.12144279	1.04352E-05	0.000189654	0.000112008	0.000840077
2043 Mar	45.18579483	0.065889694	0.005609974	0.000986886	11.05650806	0.04122306	4.149246693	0.000986886	0.000986886	4.93443E-06	0.006804944	0.0010589	0.011696206	0.015368269	4.93443E-06	14.13732052	1.04409E-05	0.000189849	0.000112332	0.000840617
2043 Apr	45.50415421	0.066341378	0.005652639	0.000993511	11.13460636	0.041496489	4.178367138	0.000993511	0.000993511	4.96756E-06	0.006850477	0.001066272	0.011773974	0.015480122	4.96756E-06	14.2388134	1.05125E-05	0.0001912	0.000113252	0.000846421
2043 May	50.70297241	0.068221115	0.007359776	0.001018566	12.33439159	0.040547624	4.563043594	0.001018566	0.001018566	5.09283E-06	0.007003011	0.001162805	0.011759077	0.018279871	5.09283E-06	16.36752129	1.17555E-05	0.000219642	0.000165267	0.000904284
2043 Jun	56.08189392	0.036780179	0.012603875	0.000979291	11.92738914	0.02150975	4.108417511	0.000979291	0.000979291	4.89645E-06	0.006958103	0.001225749	0.009379341	0.022768116	4.89645E-06	18.84313583	2.05151E-05	0.000288281	0.000303963	0.000851877
2043 Jul	49.59016418	0.02650205	0.010400374	0.001040802	10.19852543	0.025777349	3.597643614	0.001040802	0.001040802	5.20401E-06	0.007019666	0.001178524	0.009677104	0.019386277	5.20401E-06	16.0374279	1.90031E-05	0.000244718	0.000229992	0.000837804
2043 Aug	49.94045258	0.03064899	0.009681083	0.001078104	10.70854664	0.031379901	3.804712296	0.001078104	0.001078104	5.39052E-06	0.006942108	0.001206485	0.010699	0.019081241	5.39052E-06	16.1095829	1.62382E-05	0.000237952	0.000206791	0.00086451
2043 Sep	49.26768494	0.040122472	0.008626928	0.001062562	11.06340694	0.035281468	3.963025808	0.001062562	0.001062562	5.31281E-06	0.00682003	0.001177693	0.011403908	0.018201327	5.31281E-06	15.81241417	1.37897E-05	0.000228561	0.000179434	0.000857858
2043 Oct	49.70599365	0.063168667	0.007441434	0.001039483	11.65129566	0.038289964	4.328264713	0.001039483	0.001039483	5.19741E-06	0.00733801	0.001152641	0.011449835	0.0178285	5.19741E-06	15.7949276	1.41373E-05	0.000218763	0.000163098	0.000897676
2043 Nov	49.95465088	0.080618866	0.006525456	0.001020116	12.07920837	0.040516391	4.599108696	0.001020116	0.001020116	5.10058E-06	0.007720061	0.001131576	0.011465181	0.017513856	5.10058E-06	15.7545042	1.43779E-05	0.000210923	0.000150372	0.000926472
2043 Dec	49.98330688	0.080785692	0.006522492	0.001020528	12.08873844	0.040553957	4.603500366	0.001020528	0.001020528	5.10264E-06	0.007726921	0.001132036	0.011471463	0.017521063	5.10264E-06	15.76270199	1.43874E-05	0.000210981	0.000150363	0.000927175
2044 Jan	50.0507431	0.080858968	0.006541998	0.001020636	12.10679245	0.040551167	4.609662533	0.001020636	0.001020636	5.10318E-06	0.00772763	0.001133222	0.011470358	0.017557813	5.10318E-06	15.79133224	1.43935E-05	0.000211308	0.000151024	0.00092798
2044 Feb	50.16139603	0.080947004	0.006573447	0.001021215	12.1350441	0.04055712	4.619178772	0.001021215	0.001021215	5.10607E-06	0.007730569	0.001135325	0.011473116	0.017615573	5.10607E-06	15.83661842	1.44068E-05	0.000211854	0.000152019	0.000929363
2044 Mar	50.26617432	0.081067026	0.006596365	0.001022441	12.16119576	0.040596571	4.628462315	0.001022441	0.001022441	5.1122E-06	0.007739068	0.00113748	0.011484858	0.017662613	5.1122E-06	15.87530994	1.44268E-05	0.000212339	0.000152695	0.000930943
2044 Apr	50.44169617	0.081322804	0.006624509	0.001025507	12.20410824	0.040713146	4.644421577	0.001025507	0.001025507	5.12753E-06	0.007761836	0.001141331	0.011518162	0.017729988	5.12753E-06	15.93386745	1.44716E-05	0.000213104	0.000153427	0.000933993
2044 May	52.0307312	0.082921676	0.006972042	0.001047245	12.58190441	0.041327361	4.777694225	0.001047245	0.001047245	5.23623E-06	0.007915015	0.001174696	0.011727056	0.018418679	5.23623E-06	16.50213814	1.48685E-05	0.000220702	0.000163046	0.000958132
2044 Jun	39.67846298	0.022079498	0.00773168	0.000961342	7.405701637	0.021633044	2.587654114	0.000961342	0.000961342	4.80671E-06	0.007123937	0.000927467	0.009658721	0.013589632	4.80671E-06	11.69933891	2.05209E-05	0.000210178	0.000139498	0.000658849
2044 Jul	38.64033127	0.014952804	0.007485817	0.00102728	6.762675285	0.022307115	2.35385704	0.00102728	0.00102728	5.1364E-06	0.007521363	0.000935686	0.010183881	0.012700335	5.1364E-06	10.95230103	2.19148E-05	0.00020788	0.000119316	0.000659261
2044 Aug	42.0993042	0.018405722	0.007908543	0.001107922	7.67689085	0.026280221	2.690156698	0.001107922	0.001107922	5.53961E-06	0.007910527	0.001027066	0.01116626	0.013948728	5.53961E-06	12.09457111	2.18918E-05	0.000220815	0.000126959	0.00072752
2044 Sep	44.15905762	0.045440961	0.00670702	0.001041856	9.620731354	0.03440506	3.504781008	0.001041856	0.001041856	5.20928E-06	0.007355416	0.001041094	0.011658944	0.014732817	5.20928E-06	13.30514812	1.57925E-05	0.000207972	0.000118886	0.000783474
2044 Oct	49.7303772	0.075678438	0.020972522	0.001520839	12.76143646	0.0374122	4.223070621	0.001020885	0.001020885	5.14595E-06	0.00765377	0.001062621	0.011683771	0.015426798	5.11314E-06	14.11427021	1.54834E-05	0.000204416	0.000122512	0.000841932
2044 Nov	52.41859818	0.085306294	0.02948688	0.001810539	14.23397064	0.038098793	4.463570118	0.001021142	0.001021142	5.17127E-06	0.007738027	0.001073939	0.011780727	0.015630027	5.11946E-06	14.35857582	1.55117E-05	0.000204784	0.000124085	0.000856012
2044 Dec	52.57536316	0.085756302	0.029990448	0.001827871	14.31651688	0.038128708	4.475553513	0.001021529	0.001021529	5.17462E-06	0.007742873	0.001074765	0.011789705	0.015641423	5.1217E-06	14.37173271	1.55193E-05	0.00020488	0.000124189	0.000856667
2045 Jan	52.67984009	0.085962847	0.030232554	0.001835548	14.36281681	0.038125534	4.48368454	0.001021511	0.001021511	5.17516E-06	0.007742639	0.001075697	0.011789543	0.015668388	5.12174E-06	14.39373398	1.5522E-05	0.000205104	0.000124687	0.000857233
2045 Feb	52.76622772	0.086069621	0.030360613	0.001839203	14.39417267	0.038114943	4.490488052	0.001021509	0.001021509	5.17546E-06	0.007741614	0.001076807	0.011787714	0.015702872	5.1218E-06	14.42053032	1.55253E-05	0.000205407	0.00012534	0.000857869
2045 Mar	52.85722733	0.086198919	0.030453838	0.001842672	14.42307758	0.038141277	4.497946262	0.001022369	0.001022369	5.17997E-06	0.007747577	0.001078318	0.011796627	0.015734898	5.12614E-06	14.44727612	1.55402E-05	0.000205745	0.000125802	0.000858938
2045 Apr	53.04482651	0.086493924	0.030585237	0.001849381	14.47659492	0.038254164	4.513746738	0.001025482	0.001025482	5.19584E-06	0.007770858	0.001081947	0.011831982	0.015793564	5.14177E-06	14.49962234	1.55886E-05	0.000206465	0.000126389	0.000861752
2045 May	54.12401962	0.088248834	0.031220894	0.001887176	14.7723732	0.039021697	4.605463028	0.001046106	0.001046106	5.30038E-06	0.007926996	0.001103857	0.012069682	0.01611585	5.24519E-06	14.79483986	1.59027E-05	0.000210659	0.00012902	0.000879165
2045 Jun	68.14326477	0.105906248	0.121882409	0.004876066	24.27226067	0.025695223	4.525778294	0.000994147	0.000994147	5.29315E-06	0.007444366	0.000983684	0.011313377	0.012871235	5.03838E-06	11.96043968	2.02728E-05	0.000202959	0.000115215	0.000681451
2045 Jul	72.74854279	0.106947303	0.145259395	0.005690801	26.82809067	0.023838917	4.565691471	0.00103377	0.00103377	5.55564E-06	0.007482072	0.001007169	0.011357889	0.012258695	5.25001E-06	11.5672617	2.15731E-05	0.000203049	0.000115571	0.000669202
2045 Aug	76.94909668	0.115391269	0.15205507	0.00596098	28.66874886	0.027820194	4.999109268	0.001080718	0.001080718	5.80892E-06	0.007562748	0.001079833	0.012132258	0.013606668	5.48864E-06	12.56671619	2.0294E-05	0.000209284	0.000120692	0.000723065
2045 Sep	77.67786407	0.126800299	0.146176621	0.00575902	29.06315994	0.032118235	5.39653492	0.001064121	0.001064121	5.71054E-06	0.007458502	0.001102997	0.012519007	0.014380873	5.40242E-06	13.47906017	1.78246E-05	0.00020887	0.00012185	0.000765154
2045 Oct	78.65643311	0.133201495	0.145643324	0.005747941	29.42606735	0.033442307	5.579662323	0.001068156	0.001068156	5.72946E-06	0.007610389	0.001118558	0.012634522	0.01476656	5.42233E-06	13.86682415	1.77933E-05	0.000210342	0.00012433	0.00079058
2045 Nov	78.95263672	0.133859888	0.14618808	0.00576905	29.54263496	0.033580642	5.603573322	0.001071529	0.001071529	5.7478E-06	0.007637818	0.001122464	0.012677191	0.014822588	5.43951E-06	13.92066002	1.78473E-05	0.000211029	0.000124787	0.000793697
2045 Dec	79.02349854	0.13406159	0.146308899	0.005773698	29.57147026	0.033619247	5.610208511	0.001072192	0.001072192	5.75144E-06	0.007644389	0.001123354	0.012686417	0.014836824	5.44289E-06	13.93462276	1.78571E-05	0.000211171	0.000124898	0.000794524
2046 Jan	79.05844879	0.13411887	0.146312937	0.005773609	29.58111	0.033624366	5.613835812	0.001072263	0.001072263	5.75179E-06	0.007645184	0.001123984	0.012686455	0.01485574	5.44325E-06	13.94971752	1.78589E-05	0.000211329	0.000125217	0.000795011

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2046 Feb	79.10298157	0.134158731	0.146328017	0.005773813	29.59302521	0.033624113	5.617777348	0.001072392	0.001072392	5.75243E-06	0.007645647	0.001124792	0.012686403	0.014879559	5.44389E-06	13.96828365	1.78624E-05	0.000211543	0.00012564	0.000795541
2046 Mar	79.24201202	0.134375066	0.146548465	0.005782297	29.64244652	0.033672739	5.62807703	0.001074017	0.001074017	5.76113E-06	0.007656987	0.001126865	0.012704773	0.014914148	5.45214E-06	13.99868202	1.78903E-05	0.000211968	0.000126053	0.000796984
2046 Apr	79.78083038	0.13528055	0.14753063	0.005820854	29.84316826	0.033894319	5.666564465	0.001081128	0.001081128	5.7993E-06	0.007707541	0.001134544	0.012788495	0.015019819	5.48824E-06	14.09673691	1.80092E-05	0.000213431	0.000127016	0.000802397
2046 May	82.47684479	0.138145089	0.149964318	0.005902783	30.6460743	0.034197252	5.876977921	0.00110124	0.00110124	5.90499E-06	0.007838394	0.001179692	0.012953095	0.016108572	5.58988E-06	14.97015762	1.84888E-05	0.000224745	0.00014485	0.000831973
2046 Jun	61.16897964	0.077051654	0.092030019	0.003835707	19.71501732	0.022931462	3.940072775	0.000991813	0.000991813	5.19526E-06	0.007266965	0.000986987	0.010727139	0.01362714	5.00863E-06	12.20598221	2.08506E-05	0.000212774	0.000136929	0.000670728
2046 Jul	49.86124039	0.049038179	0.063507996	0.002906819	14.61985779	0.023927625	3.170144796	0.000989721	0.000989721	5.10783E-06	0.006860711	0.000941742	0.009930992	0.011994561	4.98202E-06	10.48863888	1.88777E-05	0.000181858	0.000105997	0.0006549
2046 Aug	52.92480087	0.054979108	0.064801902	0.00299304	15.81482983	0.028617918	3.573267221	0.001036791	0.001036791	5.34643E-06	0.006892833	0.001017381	0.010748607	0.013106295	5.21804E-06	11.57397556	1.70763E-05	0.000187663	0.000110597	0.00071396
2046 Sep	54.79293442	0.077022932	0.056993153	0.002718733	16.71246719	0.034887414	4.24072504	0.001005726	0.001005726	5.1709E-06	0.006886654	0.001043038	0.011488535	0.014271702	5.05848E-06	13.06391144	1.39299E-05	0.000191442	0.000112502	0.000773841
2046 Oct	56.17752838	0.097560942	0.051026229	0.002519055	17.10945702	0.037933648	4.718729496	0.000991373	0.000991373	5.08375E-06	0.007396626	0.001060735	0.011500911	0.015179425	4.98349E-06	14.00849915	1.43167E-05	0.000192975	0.000118669	0.000841511
2046 Nov	56.54338837	0.100445695	0.05049796	0.002504046	17.22063446	0.038433965	4.793910027	0.000992851	0.000992851	5.08977E-06	0.007483943	0.001066421	0.011540459	0.015341465	4.99059E-06	14.17142296	1.4412E-05	0.0001938	0.000119824	0.000852631
2046 Dec	56.59886551	0.100605749	0.050548796	0.00250638	17.23948669	0.038472578	4.799537182	0.000993573	0.000993573	5.09351E-06	0.007491311	0.001067312	0.01154961	0.015356147	4.99423E-06	14.18544006	1.44247E-05	0.000193956	0.000119938	0.000853494
2047 Jan	56.64799881	0.10065873	0.050556906	0.00250626	17.25219154	0.038471594	4.80410862	0.000993666	0.000993666	5.09396E-06	0.007491954	0.001068205	0.011548923	0.015383615	4.99469E-06	14.2068615	1.44292E-05	0.000194199	0.000120429	0.00085411
2047 Feb	56.71432877	0.100703694	0.050576992	0.002506433	17.26927376	0.038467333	4.809770107	0.000993851	0.000993851	5.09488E-06	0.007492371	0.001069428	0.011548407	0.015420086	4.99562E-06	14.23503876	1.44354E-05	0.000194534	0.000121089	0.000854878
2047 Mar	56.89622879	0.100986846	0.050717831	0.002512963	17.32295799	0.038563769	4.825215816	0.000996504	0.000996504	5.10847E-06	0.007511836	0.001072842	0.011577774	0.015479629	5.00895E-06	14.28700066	1.44758E-05	0.000195216	0.00012176	0.000857493
2047 Apr	57.10472488	0.101334184	0.050891493	0.00252131	17.38546371	0.038689718	4.842908859	0.000999851	0.000999851	5.12562E-06	0.00753676	0.001076765	0.011615824	0.015542108	5.02577E-06	14.34295368	1.45254E-05	0.000195965	0.000122368	0.000860562
2047 May	63.25349045	0.10015972	0.051415808	0.002466832	18.65630531	0.036393858	5.284130573	0.001010275	0.001010275	5.17235E-06	0.007492286	0.001195204	0.01131935	0.019381309	5.07676E-06	17.20249939	1.56606E-05	0.000233729	0.000197739	0.000923012
2047 Jun	68.60568237	0.060900033	0.040304631	0.001861224	17.36578369	0.021488683	5.093234062	0.000985029	0.000985029	4.99792E-06	0.006967646	0.001345919	0.009439484	0.026128646	4.94041E-06	21.58704185	2.08454E-05	0.000316543	0.000364538	0.000926401
2047 Jul	64.88994598	0.054068021	0.039374866	0.0019504	16.10413933	0.023619501	4.663994789	0.001059753	0.001059753	5.37274E-06	0.007480149	0.001308568	0.010228683	0.023516212	5.31429E-06	19.56663132	2.1936E-05	0.000298009	0.000308732	0.000905433
2047 Aug	65.89778137	0.0572556	0.039788634	0.002024721	16.63094902	0.027839661	4.841911793	0.00110717	0.00110717	5.61206E-06	0.007589221	0.001344748	0.011115192	0.023468554	5.55184E-06	19.74965286	2.05624E-05	0.000296492	0.000293757	0.000935877
2047 Sep	60.14889145	0.069043554	0.033807691	0.001865391	15.80718517	0.03395215	4.784452438	0.001054564	0.001054564	5.34016E-06	0.007262149	0.001235955	0.011625775	0.020379035	5.28695E-06	17.78412819	1.60904E-05	0.000256547	0.000221661	0.0009002
2047 Oct	57.88404465	0.085384406	0.029749166	0.001751033	15.50365162	0.036885221	4.918562889	0.001022844	0.001022844	5.1747E-06	0.00755882	0.001182685	0.011503569	0.019135185	5.12691E-06	16.99793816	1.56076E-05	0.00023567	0.000190758	0.000916453
2047 Nov	57.55927658	0.089166008	0.028876927	0.001728998	15.47602654	0.037646532	4.962573051	0.00101931	0.00101931	5.15549E-06	0.007648205	0.001174931	0.011514395	0.018926863	5.10892E-06	16.8819809	1.55526E-05	0.000231895	0.000184643	0.000923043
2047 Dec	57.59581375	0.089303248	0.028892949	0.001730185	15.48785019	0.037685826	4.96694994	0.001019941	0.001019941	5.1587E-06	0.007655057	0.0011756	0.011522516	0.018936092	5.11208E-06	16.89151955	1.55624E-05	0.000231986	0.000184661	0.000923793
2048 Jan	57.65230179	0.089374825	0.02891	0.001730522	15.50314331	0.037692405	4.972220421	0.001020191	0.001020191	5.15995E-06	0.007656893	0.001176634	0.01152366	0.018964885	5.11333E-06	16.91433525	1.55685E-05	0.000232244	0.000185146	0.000924539
2048 Feb	57.73554611	0.08944454	0.028937992	0.001731136	15.52479362	0.037697915	4.97936964	0.00102064	0.00102064	5.16221E-06	0.007659229	0.001178202	0.011525978	0.019007511	5.11558E-06	16.94782448	1.55785E-05	0.000232647	0.000185876	0.000925574
2048 Mar	57.77105331	0.089467503	0.028948359	0.001731183	15.53394318	0.037694685	4.982415199	0.001020714	0.001020714	5.16258E-06	0.00765923	0.001178856	0.011525333	0.019027429	5.11595E-06	16.96314049	1.55814E-05	0.000232827	0.00018624	0.000925982
2048 Apr	58.18057251	0.089987844	0.029130671	0.001739925	15.64294243	0.037866671	5.017642498	0.001025955	0.001025955	5.18907E-06	0.007696551	0.001186942	0.011579208	0.019191403	5.14222E-06	17.10060692	1.56675E-05	0.000234604	0.000188452	0.00093195
2048 May	59.56731033	0.092070773	0.02981312	0.00177957	16.0150528	0.03871917	5.137121677	0.001049385	0.001049385	5.30757E-06	0.007871266	0.001215095	0.011840802	0.019663924	5.25965E-06	17.51709175	1.60289E-05	0.000240265	0.000193407	0.000953851
2048 Jun	44.53073502	0.04104393	0.021057347	0.001449789	10.07288837	0.02544922	3.104832649	0.000986196	0.000986196	4.96948E-06	0.007351446	0.00096429	0.01033713	0.013876384	4.93906E-06	12.21601582	1.97312E-05	0.000209329	0.0001323	0.000701899
2048 Jul	38.85907364	0.018254302	0.015759261	0.001311412	7.842292309	0.024313534	2.476788044	0.001011057	0.001011057	5.08023E-06	0.007039348	0.000938901	0.009776387	0.01229085	5.06052E-06	10.51294613	1.9285E-05	0.000186839	0.000108235	0.000669577
2048 Aug	41.70375443	0.027126141	0.015301579	0.00132308	9.28454113	0.031170867	3.026431561	0.001033163	0.001033163	5.18989E-06	0.006691402	0.001014005	0.010729385	0.013535473	5.17087E-06	11.85386372	1.49676E-05	0.000187989	0.000109903	0.000731065
2048 Sep	44.46485901	0.046475168	0.01427358	0.001285503	10.61827946	0.035648577	3.590082169	0.001017659	0.001017659	5.11054E-06	0.006780835	0.001039167	0.011353258	0.014449009	5.09296E-06	13.01284218	1.31058E-05	0.000192678	0.000112432	0.000778263
2048 Oct	46.30976868	0.065858684	0.013200571	0.001246038	11.41986656	0.037740957	4.015480518	0.001000256	0.001000256	5.02169E-06	0.007201871	0.001048113	0.011299206	0.015097443	5.00556E-06	13.71215534	1.36074E-05	0.000193114	0.000117211	0.000829344
2048 Nov	47.14150238	0.072302461	0.012849949	0.001238025	11.72751045	0.038632993	4.172104359	0.001000739	0.001000739	5.0234E-06	0.007376856	0.001057115	0.011349622	0.015389833	5.00783E-06	14.01259804	1.38404E-05	0.000194368	0.000119358	0.000850384
2048 Dec	47.18127823	0.07244432	0.012851962	0.001238608	11.73899555	0.038668815	4.176920891	0.001001314	0.001001314	5.02628E-06	0.007383773	0.001057855	0.011356842	0.015403129	5.0107E-06	14.02523899	1.38519E-05	0.000194497	0.000119459	0.000851195
2049 Jan	47.24022293	0.072514795	0.012866398	0.001238639	11.75469208	0.038667902	4.182416916	0.001001421	0.001001421	5.02681E-06	0.007384721	0.001058896	0.011356038	0.015435215	5.01124E-06	14.05032063	1.38578E-05	0.000194781	0.000120031	0.000851925
2049 Feb	47.31151581	0.072559781	0.012888418	0.001238688	11.77314472	0.038657863	4.188497543	0.001001503	0.001001503	5.02721E-06	0.007384306	0.001060181	0.011353912	0.015475707	5.01165E-06	14.08133507	1.38633E-05	0.000195145	0.000120784	0.000852712
2049 Mar	47.39601135	0.072654262	0.012912851	0.001239909	11.79455757	0.038689662	4.195851326	0.001002513	0.001002513	5.03228E-06	0.0073912	0.001061904	0.011363701	0.015512708	5.0167E-06	14.11182308	1.38797E-05	0.000195532	0.000121312	0.000853963
2049 Apr	47.66626358	0.073048495	0.01298729	0.001246413	11.86203289	0.038889002	4.219704151	0.001007785	0.001007785	5.05875E-06	0.007429751	0.001067861	0.011422507	0.015606509	5.04309E-06	14.19534016	1.39541E-05	0.000196669	0.000122181	0.000858677
2049 May	49.61156845	0.074571155	0.013589854	0.001271939	12.32948875	0.039315611	4.37526226	0.00102934	0.00102934	5.16685E-06	0.007573664	0.001107008	0.011605852	0.016495973	5.15093E-06	14.91060543	1.44141E-05	0.000206275	0.000135982	0.000885302
2049 Jun	39.305439	0.025311833	0.011250047	0.00111083	7.708044052	0.022976	2.569865942	0.000970019	0.000970019	4.86179E-06	0.007180668	0.000908651	0.009930091	0.012661794	4.85255E-06	11.06259251	2.01076E-05	0.000200994	0.000118622	0.000650834
2049 Jul	36.73804855	0.014267749	0.009912485	0.001106341	6.905154228	0.024247427	2.352951527	0.000997125	0.000997125	4.99469E-06	0.00691446	0.00092277	0.009584312	0.012043583	4.98753E-06	10.27317047	1.8779E-05	0.000182178	0.00010454	0.000661414
2049 Aug	39.87614059	0.017614109	0.010420426	0.001184748	7.829894543	0.028472625	2.69929719	0.001069332	0.001069332	5.35625E-06	0.007175848	0.001013371	0.010398849	0.013278177	5.34867E-06	11.36227036	1.81636E-05	0.000190827	0.000111806	0.000731761
2049 Sep	43.19166946	0.044120491	0.00947878	0.00114105	9.573010445	0.034037404	3.433574677	0.001036994	0.001036994	5.19361E-06	0.007256209	0.001037061	0.011003843	0.014367109	5.18678E-06	12.75766373	1.56914E-05	0.000193576	0.000114572	0.000791713
2049 Oct	45.45724869	0.066424578	0.008650071	0.001105115	10.68184948	0.037097257	3.959422112	0.001011719	0.001011719	5.06635E-06	0.007580756	0.001048201	0.011079139	0.015132401	5.06022E-06	13.64315796	1.53471E-05	0.000193764	0.000118807	0.000846298
2049 Nov	45.95503998	0.069807097	0.008575727	0.001104687	10.8798933	0.037669905	4.048588753	0.001012172	0.001012172	5.06854E-06	0.007656044	0.001053889	0.011133319	0.015299111	5.06247E-06	13.82078171	1.53602E-05	0.000194558	0.000119873	0.000857255
2049 Dec	45.99932861	0.069946937	0.008580603	0.001105443	10.89267921	0.037710261	4.053722382	0.001012849	0.001012849	5.07194E-06	0.007663162	0.001054738	0.01114213	0.015313785	5.06586E-06	13.83478451	1.53708E-05	0.000194709	0.000119982	0.000858119
2050 Jan	46.05800629	0.070018284	0.008595923	0.001105606	10.90850163	0.037714019	4.059211731	0.001013028	0.001013028	5.07283E-06	0.007664419	0.001055791	0.011142654	0.015344673	5.06675E-06	13.85922241	1.53759E-05	0.000194986	0.000120516	0.000858859
2050 Feb	46.12348557	0.070059516	0.008616604	0.001105659	10.92560387	0.037705295	4.064818859	0.001013095	0.001013095	5.07316E-06	0.007663863	0.001056968	0.011140794	0.015381821	5.06709E-06	13.88773346	1.53801E-05	0.00019532	0.000121206	0.000859575
2050 Mar	46.16633224	0.070092857	0.008629213	0.00110586	10.93662167	0.03770639	4.068505764	0.001013289	0.001013289	5.07413E-06	0.00766475	0.001057774	0.011141509	0.015404457	5.06806E-06	13.90542793	1.53848E-05	0.000195532	0.000121601	0.000860098
2050 Apr	46.36496353	0.070376329	0.008668967	0.001110147	10.98417091	0.037849274	4.085960388	0.001017223	0.001017223	5.09383E-06	0.007694173	0.001062224	0.011183951	0.015475495	5.08773E-06	13.96799088	1.54455E-05	0.000196391	0.000122285	0.000863642
2050 May	47.78027344	0.071622722	0.009036235	0.001129593	11.31956577	0.038292438	4.201160908	0.001035386	0.001035386	5.18475E-06	0.007819614	0.001091528	0.011349997	0.016101334	5.17857E-06	14.47818947	1.58031E-05	0.000203284	0.000131442	0.000884251
2050 Jun	42.96094513	0.028527915	0.009965212	0.001032168	8.516906738	0.022961916	2.936788559	0.000975867	0.000975867	4.88401E-06	0.007200922	0.000984976	0.009800242	0.015037387	4.88032E-06	12.88990688	2.03308E-05	0.000220713	0.000160969	0.000705075
2050 Jul	36.03173065	0.013561883	0.007834628	0.001022157	6.804076672	0.025285253	2.420572519	0.000979323	0.000979323	4.90017E-06	0.006592617	0.000933744	0.009199331	0.012361415	4.89736E-06	10.42405319	1.71227E-05	0.000174021	0.000108546	0.000677228
2050 Aug	37.79835892	0.015198969	0.007897543	0.001073339	7.498483181	0.029658839	2.719095945	0.001029448	0.001029448	5.15088E-06	0.006560545	0.001012825	0.009550254	0.01334264	5.148E-06	11.1858654	1.5326E-05	0.000171145	0.000112353	0.00074498
2050 Sep	41.03580856	0.035248395	0.007521174	0.0010625	8.927968979	0.033886123	3.279691458	0.001021404	0.001021404	5.11043E-06	0.006775932	0.001036387	0.01038831	0.014218763	5.10774E-06	12.38101292	1.40365E-05	0.000180403	0.000114327	0.000787293
2050 Oct	42.45231247	0.042901475	0.007466452	0.00107105	9.417046547	0.035244577	3.489249945	0.001030278	0.001030278	5.15477E-06	0.007013415	0.001054276	0.010617982	0.014654731	5.1521E-06	12.84705734	1.43099E-05	0.000184385	0.000117226	0.000814409
2050 Nov	42.6931076	0.043300368	0.007504909	0.001076529	9.47498703	0.035446089	3.511259079	0.001035448	0.001035448	5.18065E-06	0.007053183	0.001059785	0.01067475	0.014736217	5.17795E-06	12.92058372	1.43868E-05	0.000185379	0.00011787	0.000818988
2050 Dec	42.73222351	0.043421842	0.007508153	0.001077166	9.485981941	0.035480674	3.515689611	0.001036057	0.001036057	5.1837E-06	0.007059681	0.001060525	0.010682859	0.01474899	5.181E-06	12.93288517	1.43974E-05	0.000185521	0.000117965	0.000819733
2051 Jan	42.77396011	0.043486502	0.007518278	0.001077356	9.497344017	0.035487428	3.519704819	0.001036242	0.001036242	5.18462E-06	0.007061478	0.001061259	0.010684405	0.014769598	5.18193E-06	12.94959831	1.44025E-05	0.000185714	0.000118305	0.000820283
2051 Feb	42.81904602	0.043524988	0.007531644	0.001077485	9.509132385	0.035486102	3.523646355	0.001036369	0.001036369	5.18526E-06	0.007062002	0.001062074	0.010684402	0.014793901	5.18256E-06	12.96856117	1.44068E-05	0.000185938	0.000118739	0.00082081
2051 Mar	42.86852264	0.043571275	0.007543313	0.001078181	9.521089554	0.035505988	3.527844191	0.001037041	0.001037041	5.18862E-06	0.007066391	0.001063136	0.010690606	0.014815755	5.18592E-06	12.98644257	1.44175E-05	0.000186169	0.000119045	0.000821574
2051 Apr	43.12384796	0.043828499	0.007589938	0.001084289	9.578351974	0.035705391	3.548928261	0.001042917	0.001042917	5.21802E-06	0.007106322	0.001069373	0.01075077	0.014906721	5.2153E-06	13.06544781	1.44999E-05	0.000187287	0.00011985	0.000826363
2051 May	47.08188248	0.046335753	0.008802492	0.001101387	10.54152203	0.035320401	3.862388372	0.001060146	0.001060146	5.30415E-06	0.007215925	0.001140558	0.010804898	0.016984032	5.30145E-06	14.68291378	1.5246E-05	0.000208453	0.000157467	0.000870158
2051 Jun	42.01360703	0.020126032	0.00932998	0.000971747	7.980371952	0.020003505	2.72862792	0.000953076	0.000953076	4.76693E-06	0.006954374	0.00096809	0.009346192	0.015090823	4.7657E-06	12.76149559	2.07136E-05	0.000223708	0.000171871	0.000673824
2051 Jul	38.3877449	0.01384829	0.007998316	0.001021382	6.868471622	0.022223221	2.381817341	0.001005338	0.001005338	5.02802E-06	0.007207348	0.000937671	0.009794825	0.012926415	5.02697E-06	11.03182983	2.07735E-05	0.000202726	0.000125058	0.000660427
2051 Aug	40.44307709	0.022812303	0.007433954	0.001035121	8.330679893	0.030548235	2.959936857	0.001020397	0.001020397	5.10321E-06	0.00662658	0.001013284	0.010620133	0.013958743	5.10224E-06	12.17478371	1.49343E-05	0.000193536	0.000119457	0.000728923
2051 Sep	43.84609222	0.053758502	0.006591065	0.00100766	10.03541946	0.035874855	3.723837137	0.000994997	0.000994997	4.97604E-06	0.007033979	0.001035432	0.011033019	0.014971405	4.97521E-06	13.45262146	1.38196E-05	0.00019426	0.000120944	0.000805557
2051 Oct	47.69583511	0.092162184	0.005580423	0.00097838	11.7983551	0.040729593	4.58344841	0.000968871	0.000968871	4.84514E-06	0.007842612	0.001057808	0.011090405	0.01615347	4.84452E-06	14.7913065	1.44256E-05	0.000193899	0.000126319	0.000908112
2051 Nov	48.22756195	0.094809085	0.005560907	0.000983633	11.97233486	0.041276764	4.660369396	0.000974361	0.000974361	4.87257E-06	0.007939599	0.001066391	0.011172615	0.016326442	4.87196E-06	14.96368885	1.4554E-05	0.000195215	0.000127424	0.000919838
2051 Dec	48.263237	0.09489993	0.005563947	0.000984288	11.98173428	0.041308548	4.664147854	0.000975014	0.000975014	4.87584E-06	0.007945596	0.001067139	0.011180361	0.016338425	4.87523E-06	14.97485256	1.45643E-05	0.000195348	0.000127514	0.0009205
2052 Jan	48.31523895	0.094932087	0.005580415	0.000984386	11.99517536	0.041302867	4.668558598	0.000975114	0.000975114	4.87634E-06	0.007945513	0.001068087	0.011179336	0.016367529	4.87573E-06	14.99721336	1.45686E-05	0.000195613	0.000128049	0.000921122
2052 Feb	48.39440155	0.094982043	0.005604398	0.000984715	12.01530552	0.041301239	4.675211906	0.000975441	0.000975441	4.87797E-06	0.007946638	0.00106958	0.011179993	0.016410138	4.87736E-06	15.03026772	1.45769E-05	0.000196012	0.000128806	0.000922061
2052 Mar	48.50041199	0.095132962	0.005624705	0.000986177	12.04188251	0.041354205	4.684914112	0.00097689	0.00097689	4.88522E-06	0.007957608	0.001071784	0.011194925	0.016454633	4.88461E-06	15.0677824	1.46005E-05	0.000196484	0.000129384	0.000923772
2052 Apr	48.67374039	0.095441155	0.005649276	0.000989314	12.08506012	0.041481122	4.701356888	0.000979998	0.000979998	4.90076E-06	0.007982465	0.001075537	0.011229614	0.016518194	4.90015E-06	15.12418461	1.4648E-05	0.00019721	0.000130011	0.000926902
2052 May	57.53501511	0.090378761	0.009261595	0.001002923	14.04273129	0.037367236	5.252878666	0.000993961	0.000993961	4.97055E-06	0.00778554	0.001240075	0.010763706	0.021836508	4.96996E-06	19.02850723	1.61732E-05	0.000250885	0.000237592	0.001000154
2052 Jun	56.80859756	0.04321865	0.012536849	0.000999422	12.22857189	0.023070656	4.255205154	0.000993114	0.000993114	4.96609E-06	0.007204801	0.00123744	0.009584899	0.022850411	4.96568E-06	18.99726868	2.07519E-05	0.000287652	0.000299918	0.000876544
2052 Jul	47.41791916	0.028183861	0.009571868	0.001031623	10.04878426	0.028754443	3.631463289	0.001025897	0.001025897	5.12996E-06	0.006659624	0.001170713	0.009290664	0.018697254	5.12958E-06	15.40013123	1.63267E-05	0.000219727	0.000210528	0.000855412
2052 Aug	46.89514542	0.029706471	0.008855505	0.001054883	10.24644756	0.033000242	3.728045225	0.001049363	0.001049363	5.24728E-06	0.006507768	0.001183411	0.009938408	0.018190255	5.24691E-06	15.19035912	1.38796E-05	0.000209575	0.000188449	0.000870078
2052 Sep	47.47510147	0.047727998	0.007817353	0.001035998	10.91819382	0.036585368	4.029435158	0.001030983	0.001030983	5.15533E-06	0.006765027	0.00115274	0.010704949	0.017603561	5.155E-06	15.2276125	1.29195E-05	0.000207098	0.000166332	0.000877132
2052 Oct	48.31489944	0.060315777	0.007338481	0.001031106	11.34926224	0.038172692	4.252192497	0.001026322	0.001026322	5.13201E-06	0.007114733	0.001146818	0.010896128	0.017588483	5.13169E-06	15.40678024	1.34E-05	0.000206603	0.000160486	0.000900311
2052 Nov	48.53835297	0.060791064	0.007362078	0.001035488	11.4057312	0.038365047	4.274393082	0.001030687	0.001030687	5.15383E-06	0.007151487	0.001151683	0.010946566	0.017664364	5.15352E-06	15.47652531	1.34661E-05	0.000207488	0.000161081	0.000904604
2052 Dec	48.57262421	0.060909353	0.007363306	0.00103607	11.41531277	0.038398206	4.278384209	0.001031268	0.001031268	5.15674E-06	0.007158014	0.001152327	0.010954313	0.01767474	5.15642E-06	15.48687363	1.34773E-05	0.000207608	0.000161138	0.000905292

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2053 Jan	48.61595154	0.060971249	0.007374133	0.001036255	11.426898	0.038403075	4.282452106	0.001031453	0.001031453	5.15766E-06	0.007159793	0.001153091	0.010955555	0.017696461	5.15735E-06	15.50431919	1.34832E-05	0.000207813	0.000161503	0.000905852
2053 Feb	48.68519211	0.061033871	0.00739222	0.001036797	11.44437313	0.038415201	4.288447857	0.001031993	0.001031993	5.16036E-06	0.007163079	0.001154453	0.010959602	0.017730691	5.16005E-06	15.53158569	1.34935E-05	0.000208147	0.000162059	0.000906786
2053 Mar	48.80433655	0.061170023	0.007414446	0.001038825	11.47303581	0.038485996	4.298885822	0.001034011	0.001034011	5.17046E-06	0.007176838	0.001157125	0.010980118	0.017779002	5.17014E-06	15.57242203	1.35217E-05	0.000208677	0.000162633	0.00090881
2053 Apr	49.11755753	0.061555047	0.007464401	0.0010452	11.5470438	0.038719695	4.326443195	0.001040357	0.001040357	5.20219E-06	0.007220739	0.001164463	0.011046978	0.017895926	5.20187E-06	15.67398357	1.36057E-05	0.000210028	0.000163779	0.000914532
2053 May	65.03853607	0.064606816	0.013400432	0.001036293	15.30704594	0.031725574	5.464078903	0.001032082	0.001032082	5.16076E-06	0.007065903	0.001426747	0.010125646	0.027153857	5.16049E-06	22.62312889	1.66832E-05	0.000303313	0.00035068	0.001047737
2053 Jun	61.26985931	0.041424781	0.014421239	0.000957928	13.40774345	0.020189671	4.601829529	0.000955589	0.000955589	4.77814E-06	0.006712626	0.001313154	0.008840483	0.025988527	4.77798E-06	21.26467323	2.03117E-05	0.000312854	0.000366707	0.000907137
2053 Jul	55.68105316	0.033183359	0.01256294	0.001020814	11.63278484	0.022087689	4.012041092	0.001018508	0.001018508	5.09273E-06	0.00718173	0.001239216	0.009578073	0.022439843	5.09258E-06	18.51658058	2.12483E-05	0.000286025	0.000295185	0.000861929
2053 Aug	57.22874069	0.035570238	0.012423149	0.001082157	12.16289997	0.02630149	4.225737095	0.001079781	0.001079781	5.3991E-06	0.007383746	0.001296452	0.010422247	0.022814851	5.39895E-06	18.9693718	2.03169E-05	0.000287585	0.000287397	0.000908846
2053 Sep	58.98271179	0.038576487	0.012551403	0.001122559	12.65100765	0.028518867	4.405831814	0.001120123	0.001120123	5.60082E-06	0.007619199	0.00133795	0.01101955	0.023338975	5.60066E-06	19.51363564	2.03253E-05	0.000294397	0.000288547	0.000941281
2053 Oct	59.19669724	0.042494643	0.012322892	0.001127388	12.79631138	0.0295686	4.485442638	0.001124963	0.001124963	5.62502E-06	0.007732794	0.001340301	0.011151947	0.023285856	5.62486E-06	19.5402317	2.02656E-05	0.000292839	0.000284073	0.000952868
2053 Nov	58.73684692	0.046234537	0.011931912	0.001119448	12.80398083	0.030358402	4.519136906	0.001117065	0.001117065	5.58552E-06	0.007765346	0.001327195	0.011164923	0.022956496	5.58536E-06	19.34080696	1.99644E-05	0.000287736	0.000275918	0.00095427
2053 Dec	58.73881912	0.046390947	0.011921076	0.001119517	12.80848408	0.030398224	4.521896362	0.001117134	0.001117134	5.58587E-06	0.007769133	0.001327137	0.011169093	0.022951616	5.58571E-06	19.33964348	1.99596E-05	0.000287638	0.000275701	0.000954638
2054 Jan	58.77830124	0.046481539	0.011929462	0.001119486	12.82082939	0.030407097	4.526463509	0.001117104	0.001117104	5.58572E-06	0.007769578	0.001327786	0.01116857	0.022972446	5.58556E-06	19.3565731	1.9958E-05	0.000287792	0.000276046	0.000955192
2054 Feb	58.84546661	0.046543378	0.011948804	0.001119691	12.83865356	0.03040822	4.532496452	0.001117309	0.001117309	5.58674E-06	0.007770354	0.001329021	0.011168703	0.023008633	5.58659E-06	19.38485336	1.99629E-05	0.000288117	0.000276684	0.000956011
2054 Mar	58.8810463	0.046576262	0.011959133	0.001119784	12.84814072	0.030408332	4.535704613	0.001117402	0.001117402	5.58721E-06	0.007770649	0.001329671	0.011168592	0.023027947	5.58705E-06	19.39992332	1.99653E-05	0.000288289	0.000277026	0.000956441
2054 Apr	59.20597076	0.046836	0.012026906	0.001125628	12.92002869	0.03056566	4.561001778	0.001123234	0.001123234	5.61637E-06	0.007811006	0.001336921	0.01122629	0.023158118	5.61621E-06	19.50889969	2.007E-05	0.000289878	0.000278655	0.000961634
2054 May	64.09759521	0.050459772	0.013618197	0.001124375	14.20087242	0.029586529	4.981062889	0.001122056	0.001122056	5.61047E-06	0.007766297	0.001420901	0.011009364	0.025955252	5.61032E-06	21.64899635	2.04953E-05	0.000315041	0.000331736	0.001013113
2054 Jun	54.30996704	0.032770399	0.012354247	0.000973898	11.34055042	0.020365598	3.89121151	0.000972643	0.000972643	4.86332E-06	0.006939482	0.00119273	0.009225664	0.02191426	4.86324E-06	18.10333252	2.09146E-05	0.000282013	0.000292373	0.000824734
2054 Jul	42.28130341	0.018387791	0.008494361	0.000997347	8.423376083	0.025701784	3.016534328	0.000996307	0.000996307	4.98162E-06	0.006566113	0.00105995	0.009113139	0.016027212	4.98155E-06	13.25307465	1.71032E-05	0.00020391	0.000172594	0.000762152
2054 Aug	43.34073639	0.025961136	0.007828314	0.001014223	9.337664604	0.031921115	3.357359648	0.001013254	0.001013254	5.06635E-06	0.006304868	0.001088909	0.010217562	0.016071038	5.06629E-06	13.71757698	1.3277E-05	0.00019964	0.00015441	0.000788537
2054 Sep	45.0904541	0.03857043	0.007379314	0.001018568	10.24870396	0.035872672	3.70556426	0.001017664	0.001017664	5.08839E-06	0.006413733	0.001100579	0.011110318	0.016266074	5.08833E-06	14.30201244	1.17667E-05	0.000203505	0.000145066	0.000810649
2054 Oct	46.42579269	0.056893669	0.006812134	0.001004743	10.89632988	0.037674692	4.047396183	0.001003903	0.001003903	5.01958E-06	0.006888199	0.001096552	0.011121686	0.016490199	5.01953E-06	14.67328453	1.25865E-05	0.000202258	0.000142899	0.000850382
2054 Nov	46.91643906	0.063087024	0.006627728	0.001001113	11.12352657	0.038317975	4.165751934	0.001000296	0.001000296	5.00155E-06	0.0070539	0.001096253	0.011136883	0.016580025	5.00149E-06	14.81105328	1.28722E-05	0.000202024	0.000142279	0.000864515
2054 Dec	46.96725082	0.06325461	0.006630341	0.001001946	11.13756275	0.038363907	4.171605587	0.001001128	0.001001128	5.00571E-06	0.007063194	0.001097229	0.011147147	0.016596468	5.00566E-06	14.82678032	1.28889E-05	0.0002022	0.000142394	0.000865543
2055 Jan	47.02427673	0.06333068	0.006646124	0.001002024	11.15294361	0.038362071	4.176950455	0.001001207	0.001001207	5.0061E-06	0.007064324	0.001098202	0.011146182	0.016627058	5.00605E-06	14.85075188	1.28957E-05	0.000202472	0.000142943	0.000866239
2055 Feb	47.09344101	0.063377194	0.006668448	0.001002076	11.17094326	0.038351022	4.182854652	0.001001259	0.001001259	5.00636E-06	0.007063892	0.001099427	0.011143807	0.016666315	5.00631E-06	14.88080406	1.29014E-05	0.000202826	0.000143678	0.00086699
2055 Mar	47.1550293	0.063434735	0.006683989	0.001002613	11.18642044	0.038364515	4.188195229	0.001001796	0.001001796	5.00905E-06	0.007067248	0.001100653	0.011148183	0.016696157	5.00899E-06	14.90472698	1.29111E-05	0.000203121	0.000144151	0.000867841
2055 Apr	47.37886429	0.063721344	0.00671962	0.00100693	11.24001598	0.038525634	4.208001137	0.001006109	0.001006109	5.03062E-06	0.007097428	0.001105757	0.011195261	0.016780011	5.03056E-06	14.97803116	1.29683E-05	0.000204102	0.000144998	0.000871798
2055 May	48.27780914	0.064923026	0.006848891	0.001025845	11.4534359	0.039247092	4.287781239	0.001025009	0.001025009	5.12511E-06	0.007230649	0.001126684	0.011405125	0.017100394	5.12506E-06	15.26331139	1.32128E-05	0.000207984	0.000147821	0.000888265
2055 Jun	37.21360397	0.019590214	0.006917011	0.00096871	6.774267197	0.022574363	2.379009247	0.000968227	0.000968227	4.84117E-06	0.007127948	0.000890107	0.009856044	0.012163958	4.84114E-06	10.61741447	2.00606E-05	0.000196932	0.000111021	0.000635266
2055 Jul	36.7816658	0.012369838	0.007003214	0.001008485	6.469568729	0.023135845	2.280508995	0.001008106	0.001008106	5.04056E-06	0.007158958	0.000920862	0.009807806	0.012174222	5.04054E-06	10.427742	2.01717E-05	0.000192478	0.000109042	0.000653889
2055 Aug	38.92865372	0.015273524	0.007100594	0.001056089	7.26988554	0.027401134	2.602792501	0.001055707	0.001055707	5.27857E-06	0.007161831	0.000996563	0.010313323	0.013204264	5.27854E-06	11.30608463	1.85073E-05	0.000193485	0.000113808	0.000716478
2055 Sep	41.58649063	0.031414635	0.006760393	0.001042525	8.675843239	0.032366265	3.144328833	0.001042172	0.001042172	5.21089E-06	0.007039154	0.001026827	0.011046045	0.014085425	5.21087E-06	12.44573212	1.56586E-05	0.000196851	0.000114699	0.0007573
2055 Oct	42.82696915	0.039513201	0.006651911	0.001045352	9.161236763	0.033772957	3.361276865	0.001045006	0.001045006	5.22506E-06	0.007230266	0.001042296	0.011174394	0.014504638	5.22503E-06	12.8807478	1.5725E-05	0.00019875	0.000117461	0.000785222
2055 Nov	43.18252182	0.041563217	0.006632525	0.001047237	9.291782379	0.034159701	3.418797731	0.001046892	0.001046892	5.23449E-06	0.007285776	0.001047306	0.011218859	0.014624796	5.23447E-06	13.00300217	1.57592E-05	0.000199444	0.000118276	0.000793025
2055 Dec	43.22887802	0.041822825	0.006630328	0.001047514	9.308559418	0.034209661	3.426165342	0.001047169	0.001047169	5.23587E-06	0.007293034	0.001047976	0.011224874	0.014640462	5.23585E-06	13.01887226	1.57641E-05	0.000199539	0.000118383	0.000794037
2056 Jan	43.30953979	0.041954976	0.00665035	0.00104766	9.331335068	0.034218013	3.43427825	0.001047315	0.001047315	5.2366E-06	0.00729493	0.001049363	0.011224904	0.014682622	5.23658E-06	13.05253601	1.57698E-05	0.000199899	0.000119104	0.000795093
2056 Feb	43.40288162	0.042034708	0.006678638	0.001047807	9.356095314	0.034211688	3.442561626	0.001047462	0.001047462	5.23734E-06	0.00729506	0.001051035	0.011223212	0.014734316	5.23732E-06	13.09257412	1.57764E-05	0.00020036	0.000120044	0.00079617
2056 Mar	43.48109055	0.042104654	0.006698248	0.001048549	9.375477791	0.034229867	3.449244022	0.001048204	0.001048204	5.24105E-06	0.00729974	0.001052609	0.011229384	0.014771749	5.24103E-06	13.12263012	1.57899E-05	0.000200738	0.000120631	0.000797259
2056 Apr	43.72877121	0.042341247	0.006740648	0.00105388	9.430297852	0.0344005	3.46916008	0.001053533	0.001053533	5.26769E-06	0.007336581	0.001058426	0.011285477	0.014861991	5.26767E-06	13.20100117	1.58716E-05	0.00020189	0.000121526	0.000801607
2056 May	55.4910965	0.049118899	0.010749914	0.001050749	12.40473938	0.031112803	4.425119877	0.00105043	0.00105043	5.25218E-06	0.007246025	0.001258254	0.010690578	0.021628732	5.25216E-06	18.33680153	1.73874E-05	0.000264905	0.000252652	0.000918696
2056 Jun	62.3021965	0.041475981	0.014649658	0.000971244	13.61395836	0.020359932	4.668259144	0.000971065	0.000971065	4.85534E-06	0.006808123	0.001335204	0.008984233	0.026449967	4.85533E-06	21.63632011	2.06647E-05	0.000318809	0.000373852	0.000920305
2056 Jul	56.35993576	0.032926425	0.012573351	0.001034586	11.9422493	0.023951486	4.155375957	0.00103441	0.00103441	5.17206E-06	0.007048783	0.001279885	0.00951355	0.023053687	5.17205E-06	18.91958618	2.00676E-05	0.000282457	0.000300885	0.000896842
2056 Aug	53.31478882	0.031881448	0.011035063	0.001060685	11.57435513	0.029563356	4.103158474	0.001060515	0.001060515	5.30259E-06	0.006772737	0.001271416	0.009974753	0.021455524	5.30258E-06	17.75179863	1.65672E-05	0.000253334	0.000255851	0.000907846
2056 Sep	54.22724152	0.041101437	0.01055692	0.001080797	12.02311611	0.032450121	4.31075716	0.001080629	0.001080629	5.40316E-06	0.007070806	0.00128193	0.010558634	0.02137064	5.40315E-06	17.92491722	1.6355E-05	0.000253148	0.000244331	0.000933926
2056 Oct	52.93595505	0.057883438	0.009135611	0.001048349	12.13814449	0.035002816	4.4655524673	0.001048194	0.001048194	5.24099E-06	0.00733634	0.001226507	0.010692026	0.020168934	5.24097E-06	17.26834869	1.58933E-05	0.000238125	0.000215142	0.00093682
2056 Nov	52.8266983	0.061480742	0.008871777	0.001044798	12.1970911	0.035627592	4.510195732	0.001044646	0.001044646	5.22324E-06	0.007412068	0.001218776	0.010750678	0.01998223	5.22323E-06	17.18457985	1.58452E-05	0.000235749	0.000209802	0.000940157
2056 Dec	52.85246658	0.061628301	0.008868352	0.001045264	12.20569801	0.035667047	4.514100552	0.001045113	0.001045113	5.22558E-06	0.007418559	0.001219206	0.01075848	0.019987386	5.22557E-06	17.19143867	1.58524E-05	0.000235805	0.000209749	0.000940783
2057 Jan	52.90698624	0.061711632	0.008881836	0.001045434	12.22075176	0.035673741	4.519406796	0.001045282	0.001045282	5.22642E-06	0.00742026	0.001220154	0.01075959	0.020015134	5.22641E-06	17.21376991	1.58575E-05	0.000236056	0.000210217	0.000941485
2057 Feb	52.97409821	0.061762664	0.008902529	0.00104555	12.23836708	0.035668127	4.52523613	0.001045399	0.001045399	5.22701E-06	0.007420298	0.001221357	0.010758551	0.02005228	5.227E-06	17.24252701	1.58625E-05	0.000236393	0.000210895	0.000942241
2057 Mar	53.07806015	0.061869018	0.008925142	0.001046943	12.26353836	0.035710387	4.534170151	0.001046791	0.001046791	5.23397E-06	0.007429748	0.001223566	0.010771655	0.020098047	5.23396E-06	17.28014183	1.58855E-05	0.000236878	0.000211533	0.000943851
2057 Apr	53.3840065	0.062217142	0.008979527	0.0010526	12.3348856	0.035900366	4.560335636	0.001052447	0.001052447	5.26225E-06	0.00746965	0.001230511	0.010829163	0.02021756	5.26224E-06	17.3819046	1.59723E-05	0.000238255	0.000212881	0.000949154
2057 May	57.99442291	0.063975692	0.010508359	0.001067889	13.43842411	0.035004213	4.909062386	0.001067738	0.001067738	5.3387E-06	0.007536167	0.001313154	0.01080458	0.022725755	5.33869E-06	19.30629158	1.68132E-05	0.000263685	0.00025988	0.000996611
2057 Jun	44.93309402	0.023547022	0.009554124	0.000967454	8.731660843	0.020521421	3.010392427	0.000967374	0.000967374	4.83688E-06	0.007040495	0.001025	0.009436156	0.016657891	4.83687E-06	14.01024246	2.09224E-05	0.000237684	0.000197801	0.00071468
2057 Jul	42.33852386	0.018141761	0.008598131	0.001024114	7.878387451	0.022656579	2.744096994	0.001024039	0.001024039	5.1202E-06	0.007330665	0.001011491	0.009926891	0.014996373	5.1202E-06	12.68464088	2.11938E-05	0.000222343	0.000160011	0.000711402
2057 Aug	46.02399063	0.020678898	0.00915012	0.001116	8.746969223	0.026316853	3.067330837	0.00111592	0.00111592	5.5796E-06	0.007826143	0.001111993	0.010870751	0.016371846	5.5796E-06	13.87130642	2.17738E-05	0.000236885	0.000170484	0.00078658
2057 Sep	47.44365692	0.029467283	0.008900654	0.001124578	9.428067207	0.029270092	3.349686861	0.001124499	0.001124499	5.6225E-06	0.007914148	0.001135305	0.011301189	0.016777232	5.6225E-06	14.39855766	2.0755E-05	0.000237728	0.000168319	0.000818467
2057 Oct	47.98579025	0.040610231	0.008406947	0.001106369	9.924186707	0.031307593	3.594675303	0.001106293	0.001106293	5.53147E-06	0.007980422	0.001132435	0.011327362	0.016879724	5.53147E-06	14.63238525	1.99678E-05	0.000232988	0.000164277	0.000841518
2057 Nov	48.22599792	0.042167507	0.008374393	0.001108021	10.02251434	0.031677902	3.638567209	0.001107946	0.001107946	5.53973E-06	0.008017386	0.001136121	0.011371232	0.016952993	5.53973E-06	14.7142849	1.99395E-05	0.000233221	0.000164351	0.000847448
2057 Dec	48.26339722	0.042330839	0.008373683	0.001108506	10.03497982	0.03172309	3.643887043	0.00110843	0.00110843	5.54216E-06	0.008023319	0.00113681	0.011378815	0.016965052	5.54215E-06	14.72652817	1.99426E-05	0.000233311	0.000164406	0.000848271
2058 Jan	48.30688477	0.042413749	0.008384346	0.001108427	10.04832935	0.031727836	3.648677588	0.001108351	0.001108351	5.54176E-06	0.008023016	0.001137524	0.011377499	0.016988948	5.54176E-06	14.74563408	1.99401E-05	0.000233492	0.000164821	0.000848831
2058 Feb	48.36380386	0.042464186	0.008401769	0.001108444	10.06384182	0.03172341	3.653867006	0.001108369	0.001108369	5.54185E-06	0.008022394	0.001138532	0.011375792	0.017021131	5.54184E-06	14.77053261	1.99416E-05	0.000233769	0.000165411	0.000849476
2058 Mar	48.41286087	0.042507507	0.008414401	0.001108867	10.07605076	0.03173282	3.658058167	0.001108791	0.001108791	5.54396E-06	0.008025044	0.001139506	0.011379099	0.017045023	5.54396E-06	14.78961277	1.99498E-05	0.000234008	0.000165794	0.000850144
2058 Apr	48.59090042	0.042663977	0.008447691	0.001112544	10.11424828	0.031836525	3.671787739	0.001112468	0.001112468	5.56235E-06	0.008051424	0.001143593	0.01141625	0.017111488	5.56234E-06	14.84634209	2.00164E-05	0.000234869	0.000166527	0.000853161
2058 May	59.11771393	0.049415991	0.012007574	0.001096437	12.90903759	0.029264783	4.575418472	0.001096369	0.001096369	5.48185E-06	0.007797645	0.001322226	0.010809767	0.023286819	5.48185E-06	19.55150032	2.05235E-05	0.000289476	0.000285585	0.000957842
2058 Jun	58.55862808	0.037204489	0.013743713	0.000945003	12.59757042	0.019266702	4.311912537	0.000944973	0.000944973	4.72487E-06	0.006678827	0.001260668	0.00876078	0.02458233	4.72487E-06	20.13126183	2.04967E-05	0.000302162	0.000344624	0.000867131
2058 Jul	52.68804932	0.0289679	0.011764021	0.001006158	10.80734253	0.021603545	3.72804451	0.00100613	0.00100613	5.03065E-06	0.007085046	0.001186867	0.009447514	0.020961709	5.03065E-06	17.31153679	2.10061E-05	0.000271965	0.00027077	0.000824619
2058 Aug	52.83369064	0.029867632	0.011253689	0.001053299	11.07276154	0.026115231	3.872170925	0.00105327	0.00105327	5.26635E-06	0.00708638	0.001229045	0.010001581	0.02088861	5.26635E-06	17.3296566	1.91689E-05	0.000262838	0.000255106	0.000865709
2058 Sep	52.02170181	0.049941838	0.009519335	0.001034798	11.57674503	0.031618137	4.183026791	0.001034772	0.001034772	5.17386E-06	0.007278812	0.001192117	0.010598961	0.01973155	5.17386E-06	16.86903572	1.71226E-05	0.00024492	0.000217593	0.000887038
2058 Oct	51.83824921	0.065118387	0.008467221	0.001022461	11.93790722	0.034670785	4.418707371	0.001022436	0.001022436	5.11218E-06	0.007550201	0.001171583	0.010803189	0.019177334	5.11218E-06	16.67298126	1.65933E-05	0.00023442	0.00019814	0.000911031
2058 Nov	51.99837494	0.066820085	0.008393667	0.001024793	12.01403999	0.035088163	4.456830502	0.001024768	0.001024768	5.12384E-06	0.007602704	0.001173614	0.010860459	0.019189008	5.12384E-06	16.71102333	1.65988E-05	0.000234202	0.000196919	0.000916504
2058 Dec	52.01447296	0.066938013	0.0083898	0.001025057	12.02030087	0.035119146	4.459795952	0.001025032	0.001025032	5.12516E-06	0.00760695	0.001173875	0.010865374	0.019191861	5.12516E-06	16.71532059	1.6601E-05	0.000234213	0.000196861	0.00091696
2059 Jan	52.05824661	0.06699992	0.008401781	0.001025049	12.0327673	0.035119474	4.464134216	0.001025025	0.001025025	5.12512E-06	0.007606957	0.001174618	0.010864277	0.019215915	5.12512E-06	16.73425865	1.6602E-05	0.000234414	0.00019729	0.000917491
2059 Feb	52.11994934	0.067042179	0.008421365	0.001025112	12.04903889	0.035112325	4.469486713	0.001025087	0.001025087	5.12544E-06	0.007606455	0.001175725	0.010862591	0.019250799	5.12543E-06	16.7610836	1.66055E-05	0.000234724	0.000197935	0.000918174
2059 Mar	52.15357971	0.067065194	0.008432045	0.001025145	12.05790901	0.035108402	4.47240448	0.00102512	0.00102512	5.1256E-06	0.007606178	0.001176329	0.010861665	0.019269818	5.1256E-06	16.77570724	1.66075E-05	0.000234893	0.000198287	0.000918546
2059 Apr	52.37919617	0.067343757	0.008471518	0.001029221	12.11069679	0.035245098	4.491771698	0.001029196	0.001029196	5.14598E-06	0.007636119	0.00118133	0.010904119	0.019356949	5.14598E-06	16.85045433	1.66743E-05	0.00023592	0.000199273	0.000922393
2059 May	60.2595253	0.068311296	0.011336679	0.001036502	14.00723934	0.032696906	5.074232578	0.001036479	0.001036479	5.18239E-06	0.007544624	0.00132132	0.010563869	0.023928158	5.18239E-06	20.28642654	1.77818E-05	0.000280182	0.000288682	0.000996436
2059 Jun	69.24476624	0.051571209	0.016295616	0.001002723	15.55903244	0.021997929	5.361702919	0.001002707	0.001002707	5.01354E-06	0.007011718	0.001465462	0.009209013	0.029989352	5.01353E-06	24.48156548	2.0957E-05	0.000348987	0.000431057	0.001017733
2059 Jul	69.06020355	0.048478507	0.015945237	0.001088811	15.19344902	0.024164237	5.247924805	0.001088795	0.001088795	5.44398E-06	0.00761275	0.001490416	0.010074129	0.029246807	5.44397E-06	23.95314026	2.24792E-05	0.000348818	0.000408034	0.001038175
2059 Aug	71.46169281	0.050212655	0.016220907	0.001156644	15.78447056	0.027205268	5.473481178	0.001156627	0.001156627	5.78313E-06	0.007948902	0.001561209	0.010794968	0.030098097	5.78313E-06	24.70826149	2.26378E-05	0.000357116	0.000411895	0.00109226
2059 Sep	68.23886108	0.059351474	0.014355347	0.001142337	15.38804722	0.030964384	5.426815033	0.00114232	0.00114232	5.7116E-06	0.008006125	0.001494465	0.011202442	0.027939944	5.7116E-06	23.28965569	2.09073E-05	0.000332019	0.000362078	0.001075893
2059 Oct	57.13666153	0.085129544	0.009052472	0.001028399	13.66189575	0.037141137	5.106018066	0.001028386	0.001028386	5.14193E-06	0.007984937	0.001245717	0.011034629	0.02149307	5.14193E-06	18.72096443	1.71354E-05	0.000252806	0.000230903	0.00099589
2059 Nov	56.32838821	0.088370748	0.00855174	0.001022933	13.5660553	0.038025141	5.104290009	0.001022921	0.001022921	5.11461E-06	0.008033141	0.001227411	0.011086894	0.020949956	5.1146E-06	18.35801125	1.6847E-05	0.000246067	0.000218551	0.000993743

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2059 Dec	56.33172226	0.088443406	0.00854659	0.001023132	13.56833458	0.038048789	5.105660915	0.00102312	0.00102312	5.1156E-06	0.008036065	0.001227473	0.011090717	0.020947564	5.1156E-06	18.35760498	1.68473E-05	0.000246034	0.000218426	0.000993983
2060 Jan	56.38182831	0.088495985	0.008560438	0.001023302	13.58177757	0.038051952	5.110267639	0.001023289	0.001023289	5.11645E-06	0.00803689	0.001228396	0.011091179	0.02097418	5.11645E-06	18.37854576	1.68509E-05	0.000246271	0.000218887	0.000994613
2060 Feb	56.45169067	0.088538818	0.008582191	0.001023495	13.59980106	0.038047306	5.116194248	0.001023482	0.001023482	5.11741E-06	0.008037082	0.001229691	0.011090618	0.021012751	5.11741E-06	18.40830803	1.68565E-05	0.000246624	0.000219586	0.000995414
2060 Mar	56.52209091	0.088613018	0.008598932	0.001024189	13.6174078	0.038066693	5.122354031	0.001024176	0.001024176	5.12088E-06	0.008041814	0.001231102	0.011096699	0.021045772	5.12088E-06	18.43505096	1.68693E-05	0.000246958	0.000220091	0.000996422
2060 Apr	56.85700607	0.089117855	0.008653257	0.001029932	13.69845676	0.038276579	5.152583599	0.00102992	0.00102992	5.1496E-06	0.008086508	0.001238328	0.011158122	0.021174284	5.1496E-06	18.54640007	1.69646E-05	0.000248436	0.000221525	0.001002196
2060 May	71.69802856	0.079931557	0.014962668	0.001019979	17.05805206	0.030161839	6.087667465	0.001019969	0.001019969	5.09984E-06	0.007476622	0.001505698	0.009981175	0.03041471	5.09984E-06	25.28650284	1.89458E-05	0.000338868	0.000412734	0.001113906
2060 Jun	67.27817535	0.048222691	0.016014883	0.000971592	15.02649784	0.020434549	5.159440517	0.000971586	0.000971586	4.85793E-06	0.006804986	0.001421064	0.008863696	0.029193372	4.85793E-06	23.79108047	2.07571E-05	0.000341544	0.000422684	0.000981295
2060 Jul	65.91825867	0.043982871	0.015294798	0.001059694	14.33786106	0.02280008	4.939025879	0.001059688	0.001059688	5.29844E-06	0.007427025	0.001426822	0.009779755	0.027781321	5.29844E-06	22.74266434	2.22411E-05	0.000335432	0.000387013	0.000989824
2060 Aug	61.75411224	0.044093154	0.013281508	0.001073035	13.76137638	0.028674925	4.789772034	0.001073029	0.001073029	5.36515E-06	0.00712803	0.001377596	0.010618484	0.025252657	5.36515E-06	21.0399437	1.83555E-05	0.000304023	0.000324407	0.000967436
2060 Sep	52.24960709	0.059405442	0.008619609	0.001006743	12.48568439	0.037304644	4.499889851	0.001006738	0.001006738	5.03369E-06	0.006722308	0.001181455	0.01162079	0.019378858	5.03369E-06	17.14025307	1.22E-05	0.000238064	0.000195241	0.000880947
2060 Oct	51.76993179	0.075218618	0.007563378	0.000996377	12.60464382	0.039153602	4.679012299	0.000996373	0.000996373	4.98186E-06	0.007216978	0.0011551	0.011497235	0.018739346	4.98186E-06	16.75235558	1.30815E-05	0.000226257	0.000177606	0.000910132
2060 Nov	51.61062622	0.079576328	0.007264885	0.000993118	12.6314888	0.039655689	4.726500034	0.000993114	0.000993114	4.96557E-06	0.00735134	0.001147236	0.011459296	0.018550867	4.96557E-06	16.6355629	1.33185E-05	0.000222858	0.000172563	0.000917817
2060 Dec	51.64643097	0.079716615	0.007264812	0.000993805	12.64146996	0.039694816	4.730927467	0.000993801	0.000993801	4.969E-06	0.007359348	0.001147953	0.011467218	0.018561298	4.969E-06	16.64588928	1.33328E-05	0.000222962	0.000172599	0.000918649
2061 Jan	51.70232773	0.079776429	0.007281333	0.000993882	12.65624428	0.039690148	4.736001968	0.000993878	0.000993878	4.96939E-06	0.007360014	0.001148942	0.01146546	0.018592257	4.96939E-06	16.66971397	1.33394E-05	0.000223232	0.000173164	0.00091933
2061 Feb	51.77595139	0.079816505	0.007305698	0.000993944	12.67520714	0.039676968	4.742176533	0.00099394	0.00099394	4.9697E-06	0.007359313	0.001150269	0.011462593	0.018634539	4.9697E-06	16.70186424	1.33454E-05	0.00022361	0.000173961	0.000920129
2061 Mar	51.83380127	0.079865865	0.007321443	0.000994322	12.68987942	0.039683547	4.747166634	0.000994318	0.000994318	4.97159E-06	0.00736148	0.001151388	0.011465004	0.018663922	4.97159E-06	16.72508049	1.33533E-05	0.000223892	0.000174453	0.000920881
2061 Apr	52.13555145	0.080307938	0.007368421	0.00099969	12.76404762	0.039892882	4.774625301	0.000999685	0.000999685	4.99843E-06	0.007400857	0.001157995	0.011525777	0.018777495	4.99843E-06	16.82506371	1.3427E-05	0.000225214	0.000175639	0.000926084
2061 May	66.91456604	0.076143287	0.013320604	0.0010055	16.06556129	0.032417979	5.743802071	0.001005497	0.001005497	5.02748E-06	0.00716094	0.001422946	0.010404367	0.027726896	5.02748E-06	23.3539257	1.65242E-05	0.000312759	0.000358683	0.001054749
2061 Jun	62.18953323	0.042580709	0.014647069	0.000950385	13.66904068	0.019951206	4.68875885	0.000950382	0.000950382	4.75191E-06	0.006679654	0.001325954	0.008790211	0.026521722	4.75191E-06	21.68805885	2.02992E-05	0.000317795	0.000377105	0.000914612
2061 Jul	59.21045303	0.036591675	0.013388759	0.001038586	12.64635372	0.023347564	4.37991333	0.001038584	0.001038584	5.19292E-06	0.007178668	0.00131828	0.009612599	0.024416605	5.19292E-06	20.04408455	2.08681E-05	0.000299347	0.000326472	0.000919774
2061 Aug	61.38932037	0.03790617	0.013599259	0.001107005	13.19446468	0.026580345	4.59872818	0.001107003	0.001107003	5.53502E-06	0.007485637	0.001390139	0.010273269	0.025220914	5.53502E-06	20.7334919	2.08485E-05	0.000305283	0.000329067	0.000976348
2061 Sep	60.30651093	0.045225579	0.012571783	0.001104948	13.25524616	0.029706199	4.671983242	0.001104946	0.001104946	5.52473E-06	0.007527463	0.001364637	0.010747365	0.024238193	5.52473E-06	20.21020699	1.9457E-05	0.000293801	0.000301846	0.000976296
2061 Oct	54.6929245	0.073962145	0.008944939	0.001022164	12.82796574	0.035441197	4.7655797	0.001022162	0.001022162	5.11081E-06	0.00770957	0.001214505	0.010785146	0.020574093	5.11081E-06	17.83263969	1.68789E-05	0.000244954	0.000220461	0.000954908
2061 Nov	53.57390213	0.08144474	0.00808972	0.001006964	12.78519535	0.037045613	4.812284946	0.001006962	0.001006962	5.03481E-06	0.007794558	0.001183423	0.010850536	0.019766748	5.03481E-06	17.33102226	1.63272E-05	0.000234066	0.00020133	0.000954426
2061 Dec	53.59434509	0.08156196	0.008086354	0.001007405	12.79217148	0.037082139	4.815500736	0.001007403	0.001007403	5.03702E-06	0.007799873	0.001183816	0.010857441	0.019770572	5.03702E-06	17.33631325	1.63315E-05	0.000234099	0.000201266	0.000954974
2062 Jan	53.65150833	0.081625506	0.008102242	0.001007546	12.80769444	0.037084412	4.820820332	0.001007544	0.001007544	5.03772E-06	0.007800548	0.001184845	0.010857494	0.019801207	5.03772E-06	17.36041832	1.6335E-05	0.00023437	0.000201803	0.000955677
2062 Feb	53.7302742	0.081675351	0.008126803	0.001007741	12.82809544	0.037078623	4.827530384	0.00100774	0.00100774	5.0387E-06	0.007800651	0.001186295	0.01085666	0.01984481	5.0387E-06	17.39406586	1.63411E-05	0.000234768	0.000202595	0.000956575
2062 Mar	53.85235596	0.081822768	0.008152172	0.001009331	12.85811424	0.037130032	4.838298798	0.001009329	0.001009329	5.04665E-06	0.007812189	0.001188833	0.010872184	0.01989782	5.04665E-06	17.43803596	1.63685E-05	0.000235331	0.000203326	0.000958472
2062 Apr	54.18084717	0.082300007	0.008205855	0.001015087	12.9370451	0.037337702	4.867696762	0.001015085	0.001015085	5.07543E-06	0.007856297	0.001195995	0.010933262	0.020023732	5.07543E-06	17.54695129	1.64627E-05	0.000236783	0.000204721	0.000964161
2062 May	55.06923294	0.083637409	0.008342361	0.001031549	13.14931774	0.037940711	4.947413921	0.001031548	0.001031548	5.15774E-06	0.007983488	0.001215565	0.011110111	0.020354168	5.15774E-06	17.83582497	1.67304E-05	0.000240675	0.000208151	0.000979893
2062 Jun	40.77082062	0.030372255	0.007408684	0.000980276	7.889593124	0.024285112	2.818207026	0.000980275	0.000980275	4.90138E-06	0.007364757	0.000950127	0.009996274	0.01382387	4.90138E-06	12.02272606	2.02592E-05	0.000209147	0.00013478	0.000695269
2062 Jul	37.29059219	0.013670404	0.007080081	0.001007169	6.663496494	0.023513507	2.360040903	0.001007168	0.001007168	5.03584E-06	0.007126824	0.000933298	0.009749113	0.012509925	5.03584E-06	10.68065548	1.99055E-05	0.000193048	0.000114083	0.000665788
2062 Aug	39.79106522	0.023324355	0.006688172	0.001016575	8.28255558	0.031760134	2.983950853	0.001016574	0.001016574	5.08287E-06	0.006495664	0.001012869	0.010574456	0.013783357	5.08287E-06	12.03465557	1.38961E-05	0.000186359	0.000113198	0.00073511
2062 Sep	43.27368927	0.04993698	0.006184167	0.000999273	9.871705055	0.036271546	3.666110516	0.000999272	0.000999272	4.99636E-06	0.006875612	0.001038321	0.011067162	0.014843847	4.99636E-06	13.32187366	1.30853E-05	0.000191355	0.000117776	0.000801195
2062 Oct	47.60971069	0.092158847	0.005284254	0.000965944	11.78507614	0.040835455	4.590562344	0.000965943	0.000965943	4.82972E-06	0.00780361	0.00105783	0.011063013	0.016178546	4.82972E-06	14.80969334	1.42249E-05	0.000193243	0.000126609	0.000908637
2062 Nov	48.19439697	0.094634756	0.00529273	0.000973156	11.96342278	0.041382026	4.667205811	0.000973155	0.000973155	4.86578E-06	0.007908621	0.001067849	0.01116123	0.016370332	4.86578E-06	14.99647617	1.43907E-05	0.000194978	0.000127992	0.000920847
2062 Dec	48.22659302	0.094719015	0.005295373	0.000973734	11.97194099	0.04141045	4.670641422	0.000973734	0.000973734	4.86867E-06	0.007914051	0.001068517	0.011168113	0.016381148	4.86867E-06	15.00656605	1.44001E-05	0.000195098	0.000128074	0.000921479
2063 Jan	48.28259659	0.0947593	0.005312327	0.000973914	11.98636818	0.04140804	4.675435066	0.000973913	0.000973913	4.86957E-06	0.007914647	0.001069551	0.011168001	0.016411593	4.86957E-06	15.03015995	1.44057E-05	0.000195379	0.000128621	0.000922137
2063 Feb	48.35461426	0.094796695	0.005335279	0.000974112	12.00471306	0.041401118	4.681410313	0.000974111	0.000974111	4.87056E-06	0.007914755	0.001070889	0.011167223	0.01645158	4.87056E-06	15.06088638	1.44122E-05	0.000195749	0.000129352	0.000922946
2063 Mar	48.40702438	0.094842874	0.00534924	0.000974485	12.01797962	0.041408613	4.685940742	0.000974484	0.000974484	4.87242E-06	0.007916966	0.001071909	0.011169837	0.016477851	4.87242E-06	15.08173275	1.44196E-05	0.000196003	0.000129785	0.000923639
2063 Apr	48.57667542	0.095142998	0.005372653	0.00097751	12.06024265	0.041532412	4.70205307	0.00097751	0.00097751	4.88755E-06	0.007941082	0.001075586	0.011203569	0.016540414	4.88755E-06	15.13716888	1.44655E-05	0.000196715	0.000130408	0.0009267
2063 May	58.18650818	0.089717537	0.009304083	0.000991828	14.18401814	0.037025005	5.29995203	0.000991828	0.000991828	4.95914E-06	0.007726927	0.001253426	0.010689152	0.022309162	4.95914E-06	19.37168694	1.61348E-05	0.00025497	0.000247253	0.001005762
2063 Jun	48.27416992	0.0273028	0.010696443	0.00093866	9.740633011	0.019427666	3.344464302	0.00093866	0.00093866	4.6933E-06	0.006796902	0.001074843	0.00901739	0.018784337	4.6933E-06	15.62953377	2.05267E-05	0.00025379	0.000240303	0.000744867
2063 Jul	41.92840576	0.018565893	0.008634777	0.000986768	7.888168335	0.021631202	2.742099047	0.000986768	0.000986768	4.93384E-06	0.007067336	0.000993194	0.009533791	0.015073901	4.93384E-06	12.70783615	2.05563E-05	0.000220144	0.000165912	0.000697145
2063 Aug	44.45114517	0.021141836	0.00884303	0.00105274	8.630535126	0.025551843	3.032001495	0.001052739	0.001052739	5.2637E-06	0.007298652	0.001072134	0.010260209	0.016059024	5.2637E-06	13.58067322	1.99367E-05	0.000226188	0.000169861	0.000759533
2063 Sep	45.88988495	0.034083407	0.008174907	0.001049669	9.685034752	0.031013519	3.451366186	0.001049669	0.001049669	5.24834E-06	0.007151024	0.001091601	0.011085878	0.016302468	5.24834E-06	14.19878769	1.67961E-05	0.000222973	0.000157756	0.000791164
2063 Oct	46.81703949	0.054217193	0.007312277	0.001021046	10.46789932	0.034110032	3.860802889	0.001021046	0.001021046	5.10523E-06	0.007399193	0.001084356	0.011052105	0.016439829	5.10523E-06	14.54104424	1.61365E-05	0.000215056	0.000151043	0.00083385
2063 Nov	47.14161682	0.057512663	0.007208443	0.001020673	10.62859344	0.034718703	3.93856883	0.001020673	0.001020673	5.10337E-06	0.007466251	0.001087485	0.011090428	0.016524697	5.10337E-06	14.65001583	1.60986E-05	0.000214682	0.000150594	0.000843649
2063 Dec	47.19689941	0.057693183	0.007210904	0.001021583	10.64446831	0.034773879	3.945162058	0.001021583	0.001021583	5.10791E-06	0.007475622	0.00108859	0.011101963	0.016542938	5.10791E-06	14.66750622	1.61116E-05	0.000214861	0.000150712	0.000844795
2064 Jan	47.25591278	0.057779491	0.007226058	0.001021714	10.66093254	0.034779482	3.950976849	0.001021714	0.001021714	5.10857E-06	0.007476813	0.001089634	0.011101979	0.016574096	5.10857E-06	14.69221973	1.61155E-05	0.000215127	0.000151247	0.000845566
2064 Feb	47.33472061	0.057842501	0.007249284	0.001021987	10.68142796	0.034778997	3.957848549	0.001021987	0.001021987	5.10993E-06	0.00747785	0.001091096	0.011102238	0.016616572	5.10993E-06	14.72528076	1.61228E-05	0.000215516	0.000152	0.000846515
2064 Mar	47.45728683	0.057974193	0.007274113	0.001023858	10.71055794	0.034837347	3.968250036	0.001023857	0.001023857	5.11929E-06	0.007491015	0.001093728	0.011121088	0.016667638	5.11929E-06	14.76804924	1.61539E-05	0.00021609	0.000152664	0.000848456
2064 Apr	47.63673019	0.058183338	0.007304993	0.001027297	10.75187683	0.034951407	3.983340263	0.001027297	0.001027297	5.13648E-06	0.007515887	0.001097757	0.011157624	0.016735142	5.13648E-06	14.8264761	1.6209E-05	0.000216917	0.000153393	0.000851525
2064 May	59.53588104	0.061268575	0.011618887	0.001023686	13.68565273	0.030894604	4.899567604	0.001023685	0.001023685	5.11843E-06	0.007311959	0.001305285	0.010446145	0.023754064	5.11843E-06	20.08618736	1.76911E-05	0.000282395	0.000291652	0.000964721
2064 Jun	63.75094604	0.043021962	0.015129749	0.000963911	14.01476765	0.019879023	4.800930977	0.000963911	0.000963911	4.81956E-06	0.006763212	0.001357175	0.008850185	0.0273179	4.81956E-06	22.29834175	2.07356E-05	0.000326222	0.000391073	0.000933966
2064 Jul	56.67370987	0.033546548	0.01270112	0.001021011	12.11380959	0.023888867	4.222198963	0.001021011	0.001021011	5.10505E-06	0.006900295	0.001287288	0.009289033	0.023432752	5.10505E-06	19.17378998	1.95373E-05	0.000282049	0.000308598	0.000903392
2064 Aug	52.19703674	0.030942697	0.010764444	0.001039271	11.42564964	0.029761648	4.075068474	0.001039271	0.001039271	5.19635E-06	0.006506812	0.001260583	0.009587078	0.021244295	5.19635E-06	17.49031639	1.54559E-05	0.000243446	0.000252841	0.000905178
2064 Sep	50.07051849	0.054287266	0.008301681	0.00100739	11.74383926	0.036203999	4.295311928	0.00100739	0.00100739	5.03695E-06	0.006718047	0.001170486	0.01083253	0.018812474	5.03695E-06	16.34866333	1.28037E-05	0.000222711	0.000189253	0.000885492
2064 Oct	50.71170807	0.065282516	0.007814359	0.001011447	12.07632065	0.037891813	4.484878063	0.001011447	0.001011447	5.05724E-06	0.007084722	0.001168601	0.011025728	0.018725585	5.05724E-06	16.43319893	1.33497E-05	0.000220914	0.000181681	0.000910907
2064 Nov	50.98529053	0.065761916	0.007849169	0.001016797	12.14372063	0.038111467	4.510735989	0.001016797	0.001016797	5.08398E-06	0.007126417	0.001174698	0.01108591	0.018822543	5.08398E-06	16.52030373	1.34265E-05	0.000222048	0.000182537	0.000915996
2064 Dec	51.01404953	0.065866016	0.007849727	0.001017314	12.15175629	0.03814099	4.514156342	0.001017314	0.001017314	5.08657E-06	0.007132268	0.001175251	0.011092532	0.01883102	5.08657E-06	16.52880669	1.34365E-05	0.000222143	0.000182575	0.000916605
2065 Jan	51.04908752	0.065914959	0.007859034	0.001017397	12.16119671	0.038141787	4.517458916	0.001017397	0.001017397	5.08698E-06	0.00713325	0.001175855	0.011092482	0.018849369	5.08698E-06	16.54331017	1.3441E-05	0.000222309	0.000182896	0.000917045
2065 Feb	51.10375977	0.065959804	0.007874543	0.001017677	12.17516327	0.038144507	4.52216959	0.001017677	0.001017677	5.08839E-06	0.007134738	0.001176889	0.011093793	0.018877886	5.08839E-06	16.56567955	1.34477E-05	0.000222579	0.000183388	0.000917727
2065 Mar	51.23022842	0.066109002	0.007897891	0.001019755	12.20580578	0.038218137	4.533290863	0.001019755	0.001019755	5.09878E-06	0.007149045	0.001179679	0.01111549	0.018929141	5.09878E-06	16.60920525	1.34768E-05	0.000223147	0.000184003	0.000919835
2065 Apr	51.5483017	0.066511422	0.007949138	0.001025834	12.28188133	0.038443521	4.561396599	0.001025834	0.001025834	5.12917E-06	0.007191512	0.001186933	0.011181206	0.019049263	5.12917E-06	16.71377563	1.35581E-05	0.000224542	0.000185238	0.000925452
2065 May	66.06591034	0.06768664	0.013466051	0.001025017	15.65054417	0.031894665	5.578532696	0.001025017	0.001025017	5.12508E-06	0.007061802	0.00143354	0.010263651	0.027576279	5.12508E-06	23.0539341	1.65411E-05	0.000309365	0.000357657	0.00105145
2065 Jun	58.03889465	0.037758254	0.013383354	0.000962963	12.45998383	0.020381534	4.279653549	0.000962963	0.000962963	4.81481E-06	0.006817102	0.001256875	0.009034839	0.024089746	4.81481E-06	19.80187416	2.05324E-05	0.000298379	0.000331736	0.000869269
2065 Jul	55.23407745	0.031715199	0.012234784	0.001052864	11.3809824	0.022999398	3.932199001	0.001052864	0.001052864	5.26432E-06	0.007432286	0.001241782	0.009959769	0.021917526	5.26432E-06	18.14122009	2.18568E-05	0.000284425	0.000281762	0.000865095
2065 Aug	56.31774902	0.034354981	0.011929857	0.001103732	11.87260056	0.027421331	4.134232998	0.001103732	0.001103732	5.51866E-06	0.007529673	0.001288746	0.010773423	0.022094075	5.51866E-06	18.45918655	2.03903E-05	0.000282838	0.000270241	0.000905205
2065 Sep	52.41508102	0.061660472	0.008806164	0.001030927	12.02373695	0.034435917	4.398522854	0.001030927	0.001030927	5.15463E-06	0.007471192	0.001181384	0.011070112	0.019402551	5.15463E-06	16.89899445	1.64267E-05	0.000241311	0.000202602	0.000902086
2065 Oct	50.24361801	0.09321133	0.006185567	0.000974152	12.37912273	0.039992478	4.775577545	0.000974152	0.000974152	4.87076E-06	0.00788171	0.001102416	0.01102415	0.017594524	4.87076E-06	15.88880444	1.49985E-05	0.00020858	0.000154062	0.00093388
2065 Nov	50.44540024	0.096648164	0.00600512	0.000977201	12.5047884	0.040796924	4.844835758	0.000977201	0.000977201	4.88601E-06	0.007980679	0.001104261	0.011110857	0.017571103	4.88601E-06	15.9225893	1.49949E-05	0.000207371	0.00015094	0.00094395
2065 Dec	50.46488571	0.096713401	0.006005557	0.000977573	12.51030827	0.040818628	4.8471632	0.000977573	0.000977573	4.88786E-06	0.007984389	0.001104665	0.01111556	0.017577017	4.88786E-06	15.92845631	1.50001E-05	0.000207432	0.000150964	0.000944373
2066 Jan	50.5280304	0.09676148	0.006024175	0.000977816	12.526618	0.040818647	4.852620602	0.000977816	0.000977816	4.88908E-06	0.007985338	0.001105846	0.011116019	0.017610908	4.88908E-06	15.95484066	1.50063E-05	0.000207745	0.000151562	0.000945135
2066 Feb	50.63029861	0.096846133	0.00605222	0.000978475	12.55254364	0.040829621	4.861413002	0.000978475	0.000978475	4.89237E-06	0.007989008	0.001107823	0.01112017	0.017663017	4.89237E-06	15.99597549	1.50199E-05	0.000208246	0.000152437	0.000946456
2066 Mar	50.82565308	0.097158998	0.006084241	0.000981528	12.6012888	0.040947985	4.879607677	0.000981528	0.000981528	4.90764E-06	0.008013003	0.001111954	0.011153044	0.017740171	4.90764E-06	16.06253052	1.50688E-05	0.000209093	0.000153336	0.000949784
2066 Apr	51.05414963	0.097561099	0.006116541	0.000985529	12.65812016	0.041109718	4.901224136	0.000985529	0.000985529	4.92764E-06	0.008045129	0.001116872	0.01119746	0.017825065	4.92764E-06	16.13750267	1.51313E-05	0.000210058	0.000154203	0.000953869
2066 May	53.79721832	0.097494356	0.007058698	0.001001081	13.28121281	0.04063715	5.092784405	0.001001081	0.001001081	5.00541E-06	0.008094592	0.001170061	0.011224576	0.019315602	5.00541E-06	17.26880646	1.56714E-05	0.000225451	0.000181805	0.000983075
2066 Jun	43.32264709	0.024537258	0.008914809	0.00096439	8.340974808	0.020960227	2.894000769	0.00096439	0.00096439	4.82195E-06	0.007117379	0.00099143	0.009528953	0.015650164	4.82195E-06	13.27412605	2.09255E-05	0.000229025	0.000178314	0.000698114
2066 Jul	42.28699875	0.018504312	0.008304399	0.001061433	7.824614525	0.024432808	2.753590822	0.001061433	0.001061433	5.30717E-06	0.007565835	0.001027799	0.010287341	0.014719647	5.30717E-06	12.49779129	2.1392E-05	0.000219296	0.000148477	0.000730443
2066 Aug	44.40734482	0.021243153	0.00837443	0.001114882	8.584011078	0.028748957	3.05841279	0.001114882	0.001114882	5.57441E-06	0.007628115	0.001102444	0.010889344	0.015648767	5.57441E-06	13.31593513	1.99319E-05	0.000220936	0.000150972	0.000791605
2066 Sep	46.08889008	0.039440587	0.0077387	0.001092764	9.648105621	0.032734577	3.523814917	0.001092764	0.001092764	5.46382E-06	0.007695759	0.001110962	0.011235572	0.016091364	5.46382E-06	14.00711918	1.82072E-05	0.000218224	0.00014701	0.000831551
2066 Oct	47.44651413	0.065524794	0.006719095	0.001041076	10.78151512	0.036554839	4.076479435	0.001041076	0.001041076	5.20538E-06	0.007862667	0.001097168	0.01119049	0.016397465	5.20538E-06	14.59347725	1.67997E-05	0.000209719	0.0001417	0.000878169

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2066 Nov	47.75317001	0.070962816	0.006510643	0.00103106	11.02182484	0.037371155	4.193112373	0.00103106	0.00103106	5.1553E-06	0.007902332	0.001094945	0.011188676	0.01646856	5.1553E-06	14.72208881	1.65184E-05	0.000208066	0.000140635	0.000888343
2066 Dec	47.8094635	0.071131386	0.006514044	0.001031993	11.03770447	0.03742509	4.199584007	0.001031993	0.001031993	5.15996E-06	0.007911468	0.001096078	0.011200625	0.016487371	5.15996E-06	14.74001694	1.65312E-05	0.00020826	0.000140767	0.000889467
2067 Jan	47.87456131	0.071211264	0.006531342	0.001032201	11.05541325	0.037430771	4.205719471	0.001032201	0.001032201	5.16101E-06	0.00791281	0.001097254	0.011201428	0.016521502	5.16101E-06	14.76708221	1.6536E-05	0.000208565	0.000141353	0.000890294
2067 Feb	47.96896744	0.071289644	0.006557579	0.001032749	11.07950306	0.037438851	4.21387291	0.001032749	0.001032749	5.16375E-06	0.007915755	0.001099061	0.011204567	0.016570143	5.16375E-06	14.8053875	1.65477E-05	0.000209028	0.000142179	0.000891496
2067 Mar	48.07913208	0.071419559	0.006579917	0.001034311	11.1061964	0.037489016	4.223474026	0.001034311	0.001034311	5.17155E-06	0.007927036	0.001101391	0.011219974	0.01661695	5.17155E-06	14.84439659	1.65743E-05	0.000209536	0.000142804	0.000893241
2067 Apr	48.26011658	0.071669094	0.006608843	0.001037741	11.14871597	0.037609678	4.239328861	0.001037741	0.001037741	5.18871E-06	0.007952935	0.001105426	0.01125631	0.016684501	5.18871E-06	14.90313339	1.66302E-05	0.000210341	0.000143512	0.000896431
2067 May	62.18430328	0.07131429	0.011883074	0.001037578	14.49557972	0.032299455	5.246532917	0.001037578	0.001037578	5.18789E-06	0.007630604	0.001351217	0.010479312	0.024951465	5.18789E-06	21.07709312	1.8333E-05	0.000289867	0.000307967	0.001019209
2067 Jun	63.96058273	0.04586703	0.014903822	0.000978865	14.1217823	0.021165932	4.864427567	0.000978865	0.000978865	4.89433E-06	0.006910272	0.001364644	0.009073495	0.027225483	4.89433E-06	22.29024506	2.07328E-05	0.000324774	0.000384897	0.00094772
2067 Jul	61.68613434	0.040409971	0.013890609	0.001064804	13.27911377	0.024268664	4.61041832	0.001064804	0.001064804	5.32402E-06	0.007400007	0.00136663	0.009867615	0.025511712	5.32402E-06	20.95316505	2.14075E-05	0.000310527	0.000342178	0.000957611
2067 Aug	55.95064163	0.034546342	0.011699378	0.001086329	12.23316288	0.030256847	4.361665249	0.001086329	0.001086329	5.43164E-06	0.006929365	0.00133583	0.009893596	0.02293695	5.43164E-06	18.82471466	1.7051E-05	0.000262588	0.000279647	0.000960642
2067 Sep	54.77887344	0.046647221	0.010358811	0.001075251	12.3780632	0.033899117	4.474311352	0.001075251	0.001075251	5.37626E-06	0.007068411	0.001291058	0.010586583	0.021610616	5.37626E-06	18.18327332	1.56683E-05	0.000250889	0.00024444	0.000953213
2067 Oct	51.89196014	0.075801529	0.007722493	0.001011694	12.39254856	0.037921049	4.677912235	0.001011694	0.001011694	5.05847E-06	0.007545411	0.001177011	0.010780351	0.019154761	5.05847E-06	16.76184464	1.50559E-05	0.000222621	0.000188468	0.000946344
2067 Nov	51.73205185	0.081070714	0.007333928	0.001007492	12.47045422	0.038821861	4.740063667	0.001007492	0.001007492	5.03746E-06	0.007670539	0.001165437	0.010879252	0.018865781	5.03746E-06	16.62915802	1.50459E-05	0.000219306	0.000180351	0.000951037
2067 Dec	51.79041672	0.081248201	0.00733649	0.001008613	12.48633766	0.038881641	4.746609211	0.001008613	0.001008613	5.04306E-06	0.007681519	0.001166628	0.010893606	0.018883463	5.04306E-06	16.64664841	1.50635E-05	0.000219512	0.000180436	0.000952229
2068 Jan	51.86315155	0.081331216	0.007355751	0.001008947	12.50553036	0.03888863	4.753223896	0.001008947	0.001008947	5.04473E-06	0.007683837	0.001167959	0.01089561	0.01892069	5.04473E-06	16.67625427	1.50718E-05	0.00021986	0.000181068	0.000953156
2068 Feb	51.96138	0.08140371	0.007384509	0.001009386	12.53065395	0.038889989	4.761611938	0.001009386	0.001009386	5.04693E-06	0.007685767	0.001169806	0.010897144	0.018972784	5.04693E-06	16.71692085	1.50827E-05	0.00022035	0.000181981	0.000954346
2068 Mar	52.14506531	0.081647262	0.007418654	0.001012157	12.57572842	0.038988262	4.778110981	0.001012157	0.001012157	5.06078E-06	0.00770609	0.001173744	0.010925305	0.019048668	5.06078E-06	16.78094101	1.51264E-05	0.000221169	0.000182933	0.000957386
2068 Apr	52.74450302	0.082561001	0.007508454	0.001023344	12.72073269	0.039414432	4.83285141	0.001023344	0.001023344	5.11672E-06	0.007790831	0.001187126	0.011045078	0.019272598	5.11672E-06	16.97661591	1.52949E-05	0.000223734	0.00018521	0.000968204
2068 May	62.3616066	0.079769164	0.011330018	0.00102757	14.91532135	0.034968484	5.465662956	0.00102757	0.00102757	5.13785E-06	0.007589399	0.001356596	0.01051097	0.024990467	5.13785E-06	21.21541214	1.69225E-05	0.000281476	0.000301093	0.001045863
2068 Jun	53.53090286	0.032739934	0.012178591	0.000950037	11.18905258	0.019712009	3.840736866	0.000950037	0.000950037	4.75018E-06	0.006806715	0.00117193	0.008985529	0.021662604	4.75018E-06	17.88084793	2.06269E-05	0.000278157	0.000290658	0.000810722
2068 Jul	46.85317993	0.023039259	0.009790023	0.001022408	9.40426445	0.02458255	3.314791441	0.001022408	0.001022408	5.11204E-06	0.006967811	0.001121824	0.009496342	0.018003048	5.11204E-06	14.91230202	1.92177E-05	0.000233669	0.000209369	0.000796397
2068 Aug	49.3114357	0.025651515	0.009914876	0.001094542	10.14124966	0.028959056	3.606016636	0.001094542	0.001094542	5.47271E-06	0.007220571	0.001202521	0.010322035	0.018897101	5.47271E-06	15.73371696	1.84862E-05	0.000238833	0.000210126	0.000860776
2068 Sep	49.85354996	0.047115341	0.008653075	0.001068381	10.99130917	0.033723336	4.018583775	0.001068381	0.001068381	5.34191E-06	0.007400421	0.001179988	0.010874254	0.018462246	5.34191E-06	15.85621929	1.67172E-05	0.000229679	0.000187815	0.000887689
2068 Oct	50.45597076	0.059931558	0.008053785	0.001058295	11.46308041	0.035908002	4.262586594	0.001058295	0.001058295	5.29148E-06	0.00763349	0.001173537	0.011045049	0.018398399	5.29148E-06	16.00598907	1.64794E-05	0.000225907	0.000179725	0.000911901
2068 Nov	50.72487259	0.061077319	0.008049125	0.001062397	11.54702377	0.036219858	4.298490524	0.001062397	0.001062397	5.31199E-06	0.007683947	0.001178399	0.011106724	0.018476984	5.31199E-06	16.08840561	1.65376E-05	0.000226669	0.00017998	0.000917676
2068 Dec	50.77290344	0.06122794	0.008051403	0.001063231	11.56052303	0.036267698	4.304041386	0.001063231	0.001063231	5.31615E-06	0.007692324	0.001179359	0.011117561	0.018492293	5.31615E-06	16.10331345	1.65499E-05	0.000226834	0.000180072	0.000918648
2069 Jan	50.82064438	0.061297599	0.008063463	0.001063368	11.57327761	0.036273059	4.308679581	0.001063368	0.001063368	5.31684E-06	0.007693565	0.001180197	0.011118276	0.018516924	5.31684E-06	16.12303543	1.65537E-05	0.000227053	0.00018049	0.000919262
2069 Feb	50.88513184	0.061350074	0.008082168	0.001063629	11.59041882	0.036274139	4.31428194	0.001063629	0.001063629	5.31815E-06	0.007694732	0.001181398	0.011119073	0.018551202	5.31815E-06	16.14983368	1.65602E-05	0.000227372	0.000181091	0.000920045
2069 Mar	50.9217453	0.061380424	0.008092598	0.001063802	11.5998497	0.036275748	4.317459106	0.001063802	0.001063802	5.31901E-06	0.007695586	0.001182086	0.011119821	0.018570421	5.31901E-06	16.16490746	1.65643E-05	0.000227553	0.000181424	0.000920497
2069 Apr	51.0763092	0.061558858	0.008119796	0.001066692	11.63568211	0.036371876	4.330605984	0.001066692	0.001066692	5.33346E-06	0.007716271	0.001185582	0.011149433	0.01863014	5.33346E-06	16.21594429	1.66101E-05	0.000228253	0.00018209	0.000923172
2069 May	53.92116547	0.06337674	0.008914848	0.001090581	12.31249619	0.036610268	4.556121826	0.001090581	0.001090581	5.45291E-06	0.007866438	0.001241268	0.011317752	0.020033289	5.45291E-06	17.3236866	1.72143E-05	0.000242922	0.000205565	0.000959337
2069 Jun	42.63738251	0.022138413	0.008724961	0.000980473	8.080900192	0.021281026	2.801151991	0.000980473	0.000980473	4.90237E-06	0.007189739	0.000987259	0.009681031	0.015205476	4.90237E-06	12.91713905	2.10933E-05	0.00022612	0.000168905	0.000693591
2069 Jul	41.15007782	0.016895905	0.008145071	0.001042853	7.476410389	0.023175377	2.611283541	0.001042853	0.001042853	5.21427E-06	0.007510289	0.000994031	0.010184001	0.014132914	5.21427E-06	12.042099	2.16385E-05	0.000217155	0.000142157	0.000701485
2069 Aug	42.72780609	0.021713048	0.007884621	0.001069555	8.403666496	0.028725181	2.983060122	0.001069555	0.001069555	5.34777E-06	0.007241721	0.001056156	0.010766424	0.014902891	5.34777E-06	12.82176113	1.82708E-05	0.000212167	0.000139358	0.00075587
2069 Sep	45.05754471	0.052555349	0.006764224	0.001019624	10.03075886	0.034542572	3.723170519	0.001019624	0.001019624	5.09812E-06	0.007358777	0.001058581	0.011037026	0.015538504	5.09812E-06	13.81938648	1.57546E-05	0.000204828	0.000133846	0.000819243
2069 Oct	48.07063293	0.089750379	0.005597805	0.000977571	11.749856	0.040050175	4.557815552	0.000977571	0.000977571	4.88785E-06	0.007885992	0.001068279	0.011079509	0.016413249	4.88785E-06	14.94678497	1.49504E-05	0.000198378	0.000132717	0.000909462
2069 Nov	48.79977036	0.094468907	0.0055179	0.000981889	12.03205395	0.040998969	4.685296535	0.000981889	0.000981889	4.90944E-06	0.00801194	0.001078557	0.011184609	0.01664147	4.90944E-06	15.19137859	1.49936E-05	0.000199363	0.000133562	0.000926943
2069 Dec	48.83395767	0.094564296	0.005520317	0.000982487	12.0413866	0.041030761	4.689086914	0.000982487	0.000982487	4.91244E-06	0.00801762	0.001079262	0.011191925	0.016652929	4.91244E-06	15.20216656	1.50025E-05	0.000199485	0.000133645	0.000927625
2070 Jan	48.89617538	0.094602041	0.005540326	0.000982567	12.0576067	0.04102283	4.694392204	0.000982567	0.000982567	4.91283E-06	0.008017148	0.001080388	0.011190256	0.016688153	4.91283E-06	15.22917557	1.50066E-05	0.000199802	0.000134298	0.00092831
2070 Feb	48.97532654	0.094629698	0.005567528	0.000982611	12.07789993	0.041006315	4.70085144	0.000982611	0.000982611	4.91306E-06	0.008015626	0.001081824	0.011187046	0.016734218	4.91306E-06	15.26410484	1.50113E-05	0.000200217	0.000135174	0.000929125
2070 Mar	49.0653801	0.094735667	0.005587653	0.00098358	12.10052872	0.041036759	4.708877563	0.00098358	0.00098358	4.9179E-06	0.008022503	0.001083644	0.011196054	0.016775321	4.9179E-06	15.29774475	1.50283E-05	0.000200635	0.000135779	0.00093046
2070 Apr	49.43071365	0.095319994	0.00564685	0.000989411	12.19137383	0.041262306	4.742839813	0.000989411	0.000989411	4.94706E-06	0.008068247	0.00109141	0.011258843	0.016918609	4.94706E-06	15.4215641	1.51212E-05	0.000202218	0.000137426	0.000936725
2070 May	59.62115479	0.089803524	0.009795099	0.00100369	14.46465015	0.036612839	5.386014462	0.00100369	0.00100369	5.01845E-06	0.007825723	0.001280243	0.010717272	0.023040138	5.01845E-06	19.92116356	1.67715E-05	0.000263601	0.00026107	0.001021225
2070 Jun	66.32373047	0.050063476	0.015468069	0.000980144	14.82878208	0.02157886	5.117847919	0.000980144	0.000980144	4.90072E-06	0.006924693	0.001405431	0.009064534	0.028484024	4.90072E-06	23.30220795	2.06602E-05	0.000334701	0.000406095	0.000979215
2070 Jul	60.78288651	0.041053064	0.013622382	0.001045343	13.12731075	0.024075741	4.565207958	0.001045343	0.001045343	5.22672E-06	0.00728955	0.001344361	0.009711592	0.025125474	5.22672E-06	20.65342331	2.09917E-05	0.000305242	0.000336537	0.000944676
2070 Aug	58.40415955	0.03877005	0.012408503	0.001084546	12.78095341	0.028985303	4.514911175	0.001084546	0.001084546	5.42273E-06	0.007145368	0.001351723	0.010117557	0.023891667	5.42273E-06	19.70175934	1.83847E-05	0.000281044	0.000299631	0.000964914
2070 Sep	53.68964386	0.069180697	0.00883136	0.001021988	12.58123779	0.035662912	4.669656277	0.001021988	0.001021988	5.10994E-06	0.007489018	0.001211796	0.010690676	0.020291043	5.10994E-06	17.5343132	1.59917E-05	0.000238804	0.000215389	0.000946815
2070 Oct	51.44556046	0.088338964	0.006886505	0.000988157	12.54364777	0.039180443	4.802104473	0.000988157	0.000988157	4.94078E-06	0.007804222	0.001138927	0.010894287	0.018478131	4.94078E-06	16.44909286	1.52293E-05	0.000216269	0.000172322	0.000947431
2070 Nov	51.44982147	0.090116739	0.006760219	0.000988997	12.5838728	0.039588179	4.828826904	0.000988997	0.000988997	4.94499E-06	0.007855539	0.001137258	0.010947933	0.018401878	4.94499E-06	16.4219799	1.5223E-05	0.000215276	0.000169587	0.000950757
2070 Dec	51.46331787	0.090183653	0.006758888	0.000989276	12.5881319	0.039608479	4.830737591	0.000989276	0.000989276	4.94638E-06	0.007858841	0.001137513	0.0109521	0.0184048	4.94638E-06	16.42558861	1.52268E-05	0.000215308	0.000169565	0.000951086
2071 Jan	51.50836182	0.090220049	0.006772646	0.000989349	12.60004425	0.039605208	4.834699154	0.000989349	0.000989349	4.94674E-06	0.007858853	0.00113832	0.010951373	0.018429738	4.94674E-06	16.44491577	1.52299E-05	0.000215532	0.000170019	0.000951598
2071 Feb	51.56641769	0.090244554	0.006792277	0.000989386	12.61501408	0.03959414	4.839493752	0.000989386	0.000989386	4.94693E-06	0.007857881	0.001139368	0.010949213	0.018463282	4.94693E-06	16.47044182	1.52333E-05	0.000215835	0.000170653	0.000952203
2071 Mar	51.60917664	0.090277269	0.006804456	0.000989618	12.62589264	0.039596565	4.843149662	0.000989618	0.000989618	4.94809E-06	0.007859032	0.001140185	0.010950377	0.018485565	4.94809E-06	16.48791504	1.52385E-05	0.000216046	0.000171036	0.000952737
2071 Apr	51.75953674	0.090516254	0.006828018	0.000992165	12.66291714	0.039694581	4.857056141	0.000992165	0.000992165	4.96083E-06	0.007878868	0.001143434	0.010977764	0.018543402	4.96083E-06	16.5381279	1.52786E-05	0.000216694	0.000171672	0.000955366
2071 May	64.4076767	0.083045192	0.012118082	0.000995688	15.48459911	0.033117082	5.642459393	0.000995688	0.000995688	4.97844E-06	0.007480717	0.001372001	0.010143591	0.026261525	4.97844E-06	22.19214821	1.72879E-05	0.000294166	0.000330218	0.001052417
2071 Jun	58.55514908	0.039502431	0.013475566	0.00096179	12.61522961	0.020413052	4.340729237	0.00096179	0.00096179	4.80895E-06	0.006854248	0.001263499	0.009013553	0.024342557	4.80895E-06	20.0095005	2.06588E-05	0.000300443	0.000336106	0.000876682
2071 Jul	51.33521271	0.029221194	0.011193763	0.001016997	10.41874695	0.022209803	3.607113838	0.001016997	0.001016997	5.08499E-06	0.007250413	0.001161518	0.009681626	0.019993013	5.08499E-06	16.61354256	2.13119E-05	0.000265381	0.000250948	0.000812083
2071 Aug	52.69830322	0.031907018	0.011012006	0.001067215	10.9590292	0.026335342	3.823510885	0.001067215	0.001067215	5.33607E-06	0.007360734	0.001212382	0.010447914	0.020339686	5.33607E-06	17.04911232	2.00366E-05	0.000265668	0.000243354	0.000854296
2071 Sep	50.74863815	0.05478213	0.008649321	0.0010255	11.50370693	0.033640705	4.173398495	0.0010255	0.0010255	5.1275E-06	0.007269693	0.001154388	0.011088999	0.018639538	5.1275E-06	16.26881027	1.59918E-05	0.000236755	0.000191822	0.000867891
2071 Oct	50.36829758	0.071585186	0.007513652	0.001002383	11.85153484	0.036470156	4.42534399	0.001002383	0.001002383	5.01192E-06	0.007534316	0.001128446	0.01107139	0.018808822	5.01192E-06	16.03482628	1.55135E-05	0.00022359	0.00017348	0.000894775
2071 Nov	50.64473343	0.081478328	0.006961553	0.000999694	12.15570259	0.038385801	4.605867863	0.000999694	0.000999694	4.99847E-06	0.007753807	0.001125193	0.011172882	0.017957099	4.99847E-06	16.05925941	1.54025E-05	0.000218524	0.000164988	0.0009182
2071 Dec	50.68466187	0.082129255	0.006930341	0.000999984	12.18004131	0.038522374	4.61914587	0.000999984	0.000999984	4.99992E-06	0.007770971	0.001125499	0.01118432	0.017956946	4.99992E-06	16.0679512	1.54026E-05	0.000218307	0.000164533	0.00092007
2072 Jan	50.76098633	0.082206205	0.006952541	0.001000127	12.20053577	0.038520716	4.626124382	0.001000127	0.001000127	5.00063E-06	0.007771495	0.001126873	0.011183206	0.01799879	5.00063E-06	16.10048866	1.5408E-05	0.000218674	0.000165282	0.000920993
2072 Feb	50.85922241	0.082259096	0.006984683	0.00100024	12.22600746	0.038506243	4.63440752	0.00100024	0.00100024	5.0012E-06	0.007770502	0.001128657	0.011180189	0.018054826	5.0012E-06	16.1432991	1.54144E-05	0.000219176	0.000166327	0.000922063
2072 Mar	50.92261124	0.082304105	0.007003509	0.0010005	12.24225426	0.038506031	4.639821053	0.0010005	0.0010005	5.0025E-06	0.007771504	0.001129849	0.011180771	0.018088812	5.0025E-06	16.16972923	1.5421E-05	0.000219492	0.000166927	0.000922826
2072 Apr	51.17975235	0.082687669	0.007044512	0.001005003	12.30463505	0.038673613	4.663048744	0.001005003	0.001005003	5.02501E-06	0.00780591	0.001135435	0.011229789	0.018186552	5.02501E-06	16.25489616	1.54918E-05	0.000220625	0.000167989	0.000927271
2072 May	52.43226624	0.084623098	0.007229242	0.001028648	12.60551071	0.039562818	4.77613163	0.001028648	0.001028648	5.14324E-06	0.007988265	0.00116302	0.011490811	0.018643683	5.14324E-06	16.65893173	1.58627E-05	0.000226095	0.00017253	0.0009495
2072 Jun	40.33919498	0.028047727	0.00735764	0.000990427	7.677629948	0.024076676	2.729043961	0.000990427	0.000990427	4.95214E-06	0.007425418	0.000943833	0.010131363	0.013503565	4.95214E-06	11.7755127	2.05946E-05	0.000209193	0.000129249	0.000686001
2072 Jul	38.74417877	0.018383674	0.007056895	0.001024637	7.32099247	0.02657789	2.650887728	0.001024637	0.001024637	5.12319E-06	0.007063684	0.000985116	0.009808124	0.013384428	5.12319E-06	11.37024689	1.8435E-05	0.000190032	0.000120621	0.000718357
2072 Aug	42.05380249	0.032110773	0.006642187	0.001019315	9.328784943	0.035440378	3.352608204	0.001019315	0.001019315	5.09657E-06	0.006376364	0.001044313	0.011348325	0.014519244	5.09657E-06	12.96927261	1.17214E-05	0.000193002	0.000114969	0.000760438
2072 Sep	44.81310272	0.052201379	0.006210852	0.001002454	10.69892883	0.039756723	3.905536652	0.001002454	0.001002454	5.01227E-06	0.006501114	0.00106315	0.011994478	0.01529592	5.01227E-06	14.03797626	1.00441E-05	0.000197556	0.000115457	0.000803381
2072 Oct	46.96084213	0.08092875	0.005538913	0.000974964	11.58738804	0.041038241	4.425584793	0.000974964	0.000974964	4.87482E-06	0.007351932	0.001061441	0.011457455	0.015967609	4.87482E-06	14.67591858	1.2485E-05	0.000194984	0.000122726	0.000877303
2072 Nov	47.40614319	0.084727935	0.005478196	0.000975572	11.74113274	0.041364294	4.506180286	0.000975572	0.000975572	4.87786E-06	0.007483985	0.001065462	0.011439715	0.016110862	4.87786E-06	14.81075859	1.2826E-05	0.000195433	0.000124041	0.000889742
2072 Dec	47.42883682	0.084812284	0.005479173	0.000975915	11.74738884	0.041383244	4.508895874	0.000975915	0.000975915	4.87958E-06	0.007488467	0.001065885	0.011443379	0.016118446	4.87958E-06	14.81778145	1.28353E-05	0.000195506	0.000124103	0.000890228
2073 Jan	47.48471832	0.084861457	0.005495981	0.000976049	11.76184464	0.041378979	4.513775826	0.000976049	0.000976049	4.88024E-06	0.007489223	0.001066894	0.011442407	0.016149072	4.88024E-06	14.84139347	1.28422E-05	0.000195782	0.000124659	0.000890895
2073 Feb	47.55651855	0.08490105	0.005519052	0.000976207	11.78016663	0.041370176	4.519760132	0.000976207	0.000976207	4.88104E-06	0.007489217	0.001068213	0.011440976	0.016189292	4.88104E-06	14.87219048	1.2849E-05	0.000196151	0.000125401	0.000891698
2073 Mar	47.61989594	0.084965914	0.00553444	0.000976791	11.79615974	0.041386466	4.525325775	0.000976791	0.000976791	4.88395E-06	0.007493032	0.001069476	0.011446028	0.016219465	4.88395E-06	14.89655781	1.28592E-05	0.000196451	0.000125869	0.00089259
2073 Apr	48.11962509	0.085829765	0.005597142	0.000986629	11.92011833	0.041798428	4.57255125	0.000986629	0.000986629	4.93314E-06	0.007568117	0.001080608	0.011560277	0.016394621	4.93314E-06	15.05549908	1.29902E-05	0.000198535	0.000127364	0.000901787
2073 May	62.91778946	0.079864793	0.011624916	0.000997306	15.19727039	0.034316503	5.516400337	0.000997306	0.000997306	4.98653E-06	0.007293994	0.001348186	0.010534824	0.025339892	4.98653E-06	21.58886337	1.59795E-05	0.000287387	0.000310259	0.001026593
2073 Jun	63.84380722	0.045091886	0.014960784	0.00096943	14.10806656	0.020786248	4.849611759	0.00096943	0.00096943	4.84715E-06	0.006814769	0.001360066	0.008987846	0.027252154	4.84715E-06	22.29978371	2.05195E-05	0.000324819	0.000386916	0.000941273
2073 Jul	58.53190613	0.037489809	0.013153533	0.001016998	12.64158535	0.023721281	4.397697926	0.001016998	0.001016998	5.08499E-06	0.006959054	0.001308021	0.00936408	0.024294751	5.08499E-06	19.92260551	1.98207E-05	0.000292373	0.000324283	0.000917537
2073 Aug	56.89653397	0.036100209	0.012151152	0.001060955	12.44576263	0.028402494	4.393707275	0.001060955	0.001060955	5.30478E-06	0.006899538	0.001324906	0.00983105	0.023369597	5.30478E-06	19.23008537	1.76506E-05	0.000273111	0.000293217	0.000943444
2073 Sep	54.28974533	0.0510768	0.010122404	0.001037032	12.38370419	0.033073649	4.46921587	0.001037032	0.001037032	5.18516E-06	0.007003627	0.001250952	0.01053024	0.021226272	5.18516E-06	18.01185989	1.55682E-05	0.00025075	0.000240694	0.000926859

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2073 Oct	51.74710083	0.077852115	0.007636733	0.000994463	12.41755676	0.037557848	4.681591988	0.000994463	0.000994463	4.97232E-06	0.007513312	0.001159792	0.01076973	0.019013194	4.97232E-06	16.71553612	1.49949E-05	0.000223066	0.000187308	0.000934562
2073 Nov	51.4921875	0.082343496	0.007262189	0.000990667	12.45890808	0.038386162	4.729038715	0.000990667	0.000990667	4.95333E-06	0.007616846	0.001148679	0.010840244	0.018715097	4.95333E-06	16.5571003	1.49472E-05	0.000219297	0.000179316	0.000938546
2073 Dec	51.54000854	0.082487725	0.007264245	0.000991603	12.4719038	0.03843594	4.734410763	0.000991603	0.000991603	4.95801E-06	0.007625878	0.001149671	0.010852038	0.018729631	4.95801E-06	16.57141685	1.49614E-05	0.000219464	0.000179384	0.000939537
2074 Jan	51.59447479	0.082544886	0.007279598	0.000991758	12.4864006	0.038436797	4.739350796	0.000991758	0.000991758	4.95879E-06	0.007626771	0.00115065	0.010852201	0.018758656	4.95879E-06	16.59421158	1.49664E-05	0.000219727	0.000179895	0.000940199
2074 Feb	51.66191864	0.082580946	0.007301677	0.000991838	12.5038538	0.038426656	4.745009899	0.000991838	0.000991838	4.95919E-06	0.00762613	0.001151869	0.010850271	0.018797001	4.95919E-06	16.62355042	1.4971E-05	0.000220074	0.000180611	0.000940926
2074 Mar	51.74018097	0.082666934	0.007319577	0.000992678	12.5234108	0.038451999	4.751906395	0.000992678	0.000992678	4.96339E-06	0.007631907	0.001153459	0.010857934	0.018833002	4.96339E-06	16.65289688	1.49856E-05	0.00022044	0.000181146	0.000942077
2074 Apr	52.19010544	0.083363347	0.007387152	0.00100093	12.63266659	0.038767498	4.793059826	0.00100093	0.00100093	5.00465E-06	0.007694956	0.0011634	0.010947318	0.019001089	5.00465E-06	16.80009842	1.51112E-05	0.000222376	0.000182871	0.000950112
2074 May	67.28372192	0.077838853	0.013471601	0.001006363	16.05973434	0.031552896	5.776144981	0.001006363	0.001006363	5.03182E-06	0.007331903	0.00143232	0.010026471	0.028068706	5.03182E-06	23.48830605	1.7615E-05	0.000313062	0.000367322	0.001072136
2074 Jun	65.82176208	0.046000224	0.015742103	0.000952285	14.66366005	0.019753877	5.025977612	0.000952285	0.000952285	4.76143E-06	0.006647424	0.001391447	0.008668072	0.028583452	4.76143E-06	23.27729225	2.039E-05	0.000335011	0.000414625	0.000957889
2074 Jul	61.8011055	0.039337017	0.014231529	0.001028351	13.36766529	0.022664497	4.617440224	0.001028351	0.001028351	5.14175E-06	0.007105999	0.001358104	0.009431067	0.025932433	5.14175E-06	21.21408653	2.09463E-05	0.000312592	0.000355989	0.000944255
2074 Aug	64.5038681	0.041558236	0.014539362	0.001101689	14.04476166	0.026025105	4.87342453	0.001101689	0.001101689	5.50845E-06	0.007472233	0.001435381	0.010243014	0.026882797	5.50845E-06	22.06936455	2.10905E-05	0.000322172	0.000360443	0.001003094
2074 Sep	58.45508575	0.061536878	0.011008517	0.001050008	13.40706253	0.032628793	4.832231045	0.001050008	0.001050008	5.25004E-06	0.007490814	0.001298049	0.010788269	0.022925345	5.25004E-06	19.4921627	1.76192E-05	0.000274335	0.000270693	0.000968111
2074 Oct	55.15812302	0.080431841	0.008667337	0.00101623	13.15156555	0.036828872	4.911171436	0.00101623	0.00101623	5.08115E-06	0.007771799	0.001213765	0.010952221	0.020608017	5.08115E-06	17.9932518	1.64147E-05	0.000243844	0.000216774	0.000966534
2074 Nov	54.96029282	0.082387321	0.008463294	0.001015192	13.1545229	0.037305012	4.928801537	0.001015192	0.001015192	5.07596E-06	0.00781488	0.001208317	0.01099112	0.020430829	5.07596E-06	17.88834	1.63352E-05	0.000241462	0.000212101	0.000968404
2074 Dec	54.99398041	0.082515478	0.008462491	0.001015906	13.16431999	0.037348956	4.933042526	0.001015906	0.001015906	5.07953E-06	0.00782213	0.00120902	0.011000571	0.020439774	5.07953E-06	17.89790344	1.63445E-05	0.000241557	0.000212096	0.000969182
2075 Jan	55.04429626	0.082572557	0.008476345	0.001016043	13.17794895	0.037351459	4.937735081	0.001016043	0.001016043	5.08022E-06	0.007822879	0.001209931	0.011000682	0.020466641	5.08022E-06	17.91903877	1.6348E-05	0.000241794	0.000212564	0.000969812
2075 Feb	55.1187439	0.082624227	0.008498756	0.001016309	13.19712257	0.037349761	4.94410181	0.001016309	0.001016309	5.08155E-06	0.00782371	0.001211322	0.011000918	0.020506948	5.08155E-06	17.9503231	1.6355E-05	0.000242167	0.000213282	0.000970694
2075 Mar	55.23596573	0.082767114	0.00852282	0.001017865	13.22592831	0.037400629	4.954446793	0.001017865	0.001017865	5.08932E-06	0.007835016	0.001213763	0.011016306	0.020557469	5.08932E-06	17.99235344	1.63815E-05	0.000242706	0.000213971	0.000972524
2075 Apr	55.66497421	0.083391137	0.008592447	0.001025423	13.32907486	0.03767474	4.992829323	0.001025423	0.001025423	5.12712E-06	0.007892813	0.001223114	0.011097278	0.020721095	5.12712E-06	18.13430786	1.6504E-05	0.000244606	0.000215768	0.000979942
2075 May	63.69657898	0.081656881	0.011675644	0.001037526	15.18209362	0.034620386	5.54099369	0.001037526	0.001037526	5.18763E-06	0.007770796	0.001369891	0.010734408	0.025444316	5.18763E-06	21.64447021	1.77686E-05	0.000291305	0.000309393	0.00105199
2075 Jun	40.76266479	0.024092501	0.007936634	0.0009721	7.688222885	0.022047037	2.693381071	0.0009721	0.0009721	4.8605E-06	0.007228439	0.000948156	0.009758145	0.014067776	4.8605E-06	12.09655952	2.07773E-05	0.000214875	0.000146326	0.000676082
2075 Jul	38.36649704	0.014684347	0.007387578	0.001017624	6.851321697	0.023132054	2.409832001	0.001017624	0.001017624	5.08812E-06	0.007287655	0.000945366	0.009922317	0.012883072	5.08812E-06	11.01833344	2.07016E-05	0.000201237	0.00012114	0.000671061
2075 Aug	40.19271088	0.018442398	0.007318814	0.001051436	7.718655586	0.027963446	2.759798527	0.001051436	0.001051436	5.25718E-06	0.007119823	0.001014332	0.010399212	0.013823268	5.25718E-06	11.86185551	1.80876E-05	0.000198674	0.000123261	0.000729861
2075 Sep	42.25683975	0.029534167	0.007173967	0.001058701	8.590546608	0.030944852	3.114016294	0.001058701	0.001058701	5.2935E-06	0.007266631	0.001043868	0.010848101	0.014501563	5.2935E-06	12.63300037	1.72672E-05	0.000202598	0.000125741	0.000768864
2075 Oct	44.47595215	0.051165596	0.006628283	0.001035639	9.733299255	0.034310412	3.637551546	0.001035639	0.001035639	5.17819E-06	0.007539804	0.001056922	0.010970436	0.015221863	5.17819E-06	13.48760891	1.66058E-05	0.000201719	0.00012833	0.000822998
2075 Nov	45.04633331	0.05498255	0.006567763	0.001036587	9.966921806	0.035026535	3.740865469	0.001036587	0.001036587	5.18294E-06	0.00761973	0.00106392	0.011041278	0.015410189	5.18294E-06	13.69044113	1.65722E-05	0.000202491	0.000129329	0.000835736
2075 Dec	45.11017227	0.055292033	0.006566404	0.001037154	9.989017487	0.035096444	3.750318527	0.001037154	0.001037154	5.18577E-06	0.007629306	0.001064948	0.01105182	0.015431517	5.18577E-06	13.7120266	1.65776E-05	0.000202645	0.000129464	0.000837081
2076 Jan	45.18788147	0.055405252	0.006586773	0.001037249	10.01093578	0.035101147	3.757991076	0.001037249	0.001037249	5.18625E-06	0.007630241	0.001066288	0.011051372	0.01547297	5.18625E-06	13.74494743	1.6581E-05	0.000203	0.000130186	0.000838054
2076 Feb	45.29972458	0.055498369	0.006618568	0.00103778	10.03977108	0.035106841	3.767715216	0.00103778	0.00103778	5.1889E-06	0.00763286	0.001068395	0.011053693	0.01553167	5.1889E-06	13.79098797	1.65932E-05	0.000203549	0.000131201	0.000839443
2076 Mar	45.41321182	0.055613536	0.006643552	0.001039275	10.06712532	0.035150588	3.777384043	0.001039275	0.001039275	5.19638E-06	0.00764316	0.001070783	0.011067811	0.015581649	5.19638E-06	13.83205891	1.66192E-05	0.000204085	0.000131906	0.000841174
2076 Apr	45.6350174	0.055871859	0.006680682	0.001043736	10.11752033	0.035297643	3.795961618	0.001043736	0.001043736	5.21868E-06	0.007675577	0.001075852	0.011114305	0.015663918	5.21868E-06	13.90324974	1.66916E-05	0.000205096	0.00013276	0.000845075
2076 May	57.64806747	0.059702892	0.010943609	0.001043632	13.10486794	0.031632163	4.729957581	0.001043632	0.001043632	5.21816E-06	0.007498117	0.001283954	0.010537694	0.022641012	5.21816E-06	19.17776108	1.80881E-05	0.00027116	0.000268874	0.000958807
2076 Jun	57.92160797	0.037434995	0.013450433	0.000950839	12.435215	0.019766796	4.265962601	0.000950839	0.000950839	4.7542E-06	0.006742176	0.00125082	0.008872538	0.024140857	4.7542E-06	19.81298065	2.04971E-05	0.000298348	0.00033495	0.000863571
2076 Jul	51.71792603	0.028778629	0.01138694	0.00100543	10.62308788	0.022330686	3.683377266	0.00100543	0.00100543	5.02715E-06	0.00703537	0.00117618	0.009430259	0.020493183	5.02715E-06	16.93736267	2.04812E-05	0.000264538	0.000260447	0.000822099
2076 Aug	52.79729843	0.031199656	0.011062642	0.001060705	11.11504745	0.027004717	3.891726017	0.001060705	0.001060705	5.30352E-06	0.007138154	0.001227825	0.010241268	0.020689752	5.30352E-06	17.25470161	1.89491E-05	0.000262008	0.000248484	0.000866823
2076 Sep	53.10773849	0.041570578	0.010324957	0.00106692	11.53689384	0.030340798	4.104772568	0.00106692	0.00106692	5.3346E-06	0.007311982	0.001226885	0.010729017	0.020376451	5.3346E-06	17.26148033	1.80127E-05	0.000256429	0.000232161	0.000889142
2076 Oct	51.40236664	0.067621529	0.008172405	0.001016834	11.89328957	0.035073422	4.423555851	0.001016834	0.001016834	5.08417E-06	0.007594626	0.001158899	0.010814188	0.018866789	5.08417E-06	16.47108459	1.65235E-05	0.000230795	0.000191391	0.000909382
2076 Nov	51.27645874	0.072547741	0.007813269	0.001011478	11.99919796	0.036052085	4.49649334	0.001011478	0.001011478	5.05739E-06	0.00767271	0.001150772	0.010868544	0.018660879	5.05739E-06	16.38645744	1.63141E-05	0.000226992	0.000184703	0.000916254
2076 Dec	51.3176651	0.072693266	0.007813731	0.001012243	12.01115227	0.036099344	4.501541615	0.001012243	0.001012243	5.06122E-06	0.007680539	0.001151607	0.010878677	0.018673131	5.06122E-06	16.39886093	1.63244E-05	0.000227119	0.000184745	0.000917146
2077 Jan	51.36888885	0.072757244	0.007827714	0.001012336	12.02528858	0.036101483	4.506431103	0.001012336	0.001012336	5.06168E-06	0.007681091	0.001152513	0.010878413	0.018700657	5.06168E-06	16.42056084	1.63271E-05	0.000227358	0.000185227	0.000917781
2077 Feb	51.44002914	0.072806485	0.007849555	0.001012522	12.04377651	0.036097426	4.512548447	0.001012522	0.001012522	5.06261E-06	0.007681378	0.001153822	0.010877849	0.018739797	5.06261E-06	16.45083618	1.63328E-05	0.000227715	0.000185934	0.000918603
2077 Mar	51.501297	0.072865099	0.007864901	0.001013065	12.05912113	0.036110945	4.517855644	0.001013065	0.001013065	5.06533E-06	0.007684882	0.00115504	0.010882283	0.018769333	5.06533E-06	16.47453499	1.6343E-05	0.000228009	0.000186401	0.000919452
2077 Apr	51.78987503	0.07325729	0.007912407	0.001018362	12.12726498	0.036296397	4.543132305	0.001018362	0.001018362	5.09181E-06	0.007724709	0.001161422	0.010938375	0.018878639	5.09181E-06	16.56920052	1.64293E-05	0.000229299	0.000187587	0.000924464
2077 May	60.44621658	0.072725475	0.011191049	0.001023004	14.18032455	0.033025041	5.15963459	0.001023004	0.001023004	5.11502E-06	0.007560658	0.001315763	0.01048909	0.023990404	5.11502E-06	20.38228607	1.76265E-05	0.00027894	0.000289062	0.001001784
2077 Jun	58.97979355	0.038840607	0.013607025	0.000974754	12.66153526	0.020503024	4.350610733	0.000974754	0.000974754	4.87377E-06	0.006933881	0.001274578	0.00913075	0.024490915	4.87377E-06	20.12720108	2.0968E-05	0.000303367	0.000338004	0.000882384
2077 Jul	55.04724884	0.031778332	0.012196857	0.001052799	11.27820301	0.022590898	3.891154289	0.001052799	0.001052799	5.264E-06	0.00750562	0.001232635	0.009995774	0.021731565	5.264E-06	18.0112114	2.2289E-05	0.000285185	0.000279425	0.000858034
2077 Aug	56.34820557	0.034452558	0.011984828	0.001104147	11.7981472	0.026759742	4.099412918	0.001104147	0.001104147	5.52074E-06	0.007628917	0.001281822	0.010798123	0.022014193	5.52074E-06	18.40715599	2.10385E-05	0.000285383	0.000270478	0.000898874
2077 Sep	51.22623062	0.063720517	0.008232857	0.001015453	11.90477467	0.035458382	4.3675313	0.001015453	0.001015453	5.07727E-06	0.007353499	0.001152533	0.011213441	0.018668516	5.07727E-06	16.44110107	1.53948E-05	0.000233593	0.000186849	0.000885824
2077 Oct	51.12940216	0.079309322	0.007230997	0.001003817	12.24887276	0.038201086	4.611591816	0.001003817	0.001003817	5.01909E-06	0.007682108	0.001136041	0.01125676	0.01823693	5.01909E-06	16.28063965	1.52489E-05	0.00022271	0.000170529	0.000916917
2077 Nov	51.33743668	0.080051035	0.007234004	0.001007656	12.30847836	0.038432155	4.637084484	0.001007656	0.001007656	5.03828E-06	0.007722578	0.001140286	0.01130449	0.01830042	5.03828E-06	16.3433609	1.53078E-05	0.000223338	0.000170792	0.000921525
2077 Dec	51.37697601	0.080172844	0.007235784	0.001008397	12.31936073	0.038472619	4.641622066	0.001008397	0.001008397	5.04199E-06	0.00772985	0.00114111	0.011313477	0.018312976	5.04199E-06	16.35544205	1.53191E-05	0.00022347	0.000170861	0.000922361
2078 Jan	51.43003845	0.080233976	0.007249758	0.00100865	12.33338833	0.038478434	4.646502018	0.00100865	0.00100865	5.04325E-06	0.007731566	0.001142099	0.011314682	0.018340353	5.04325E-06	16.37709045	1.53251E-05	0.000223718	0.000171324	0.000923062
2078 Feb	51.49474716	0.080278084	0.007269405	0.001008869	12.35002518	0.038476028	4.652022362	0.001008869	0.001008869	5.04435E-06	0.007732219	0.001143306	0.01131463	0.018375572	5.04435E-06	16.40435219	1.53313E-05	0.000224043	0.000171955	0.000923826
2078 Mar	51.5447731	0.080325134	0.007282196	0.001009278	12.36263275	0.038485743	4.656364441	0.001009278	0.001009278	5.04639E-06	0.007734791	0.001144291	0.011317845	0.01840003	5.04639E-06	16.42391396	1.53391E-05	0.000224284	0.000172348	0.000924507
2078 Apr	52.05670929	0.081105091	0.007357819	0.001018973	12.48576736	0.038852055	4.70250845	0.001018973	0.001018973	5.09487E-06	0.007808769	0.001155584	0.011425775	0.018586583	5.09487E-06	16.58912086	1.54874E-05	0.000226525	0.000174189	0.000933564
2078 May	70.55472565	0.074318945	0.014959306	0.001005595	16.73179817	0.029256452	5.931444168	0.001005595	0.001005595	5.02798E-06	0.007210999	0.001485225	0.00989848	0.030006779	5.02798E-06	24.93186951	1.83087E-05	0.000336253	0.000408983	0.001084923
2078 Jun	71.36779022	0.052062221	0.017299231	0.000961413	16.20601654	0.020018483	5.554129124	0.000961413	0.000961413	4.80706E-06	0.006646059	0.001491989	0.00862647	0.03161915	4.80706E-06	25.65990257	2.04534E-05	0.000360769	0.00046791	0.00102614
2078 Jul	69.19428253	0.047473516	0.016297156	0.001036599	15.49088573	0.023350602	5.354731083	0.001036599	0.001036599	5.183E-06	0.007010494	0.001497762	0.009270749	0.030110585	5.183E-06	24.46370125	2.05454E-05	0.000344792	0.000428782	0.00104117
2078 Aug	62.1291008	0.04169881	0.01361877	0.001058345	14.04523277	0.02921427	4.948845387	0.001058345	0.001058345	5.29172E-06	0.006677466	0.001426516	0.009653638	0.026451956	5.29172E-06	21.62601662	1.66309E-05	0.000294372	0.00034656	0.001012953
2078 Sep	59.63772202	0.048551157	0.012008027	0.00106081	13.77632713	0.033213317	4.894893169	0.00106081	0.00106081	5.30405E-06	0.006751247	0.001368937	0.010559685	0.024397429	5.30405E-06	20.41275978	1.48672E-05	0.000277565	0.000297063	0.00098767
2078 Oct	57.41900635	0.062421378	0.010421603	0.001037915	13.529006	0.035431538	4.920352936	0.001037915	0.001037915	5.18957E-06	0.007084035	0.001302494	0.010697568	0.022699414	5.18957E-06	19.31775665	1.48341E-05	0.000259157	0.000259716	0.000981142
2078 Nov	57.08659363	0.065991148	0.010075334	0.00103608	13.51718903	0.036093548	4.943927765	0.00103608	0.00103608	5.1804E-06	0.007189544	0.001291072	0.010768953	0.022369677	5.1804E-06	19.12169647	1.48786E-05	0.000255629	0.000251612	0.000983048
2078 Dec	57.10600281	0.066122934	0.010070798	0.001036549	13.52363396	0.036129985	4.94705677	0.001036549	0.001036549	5.18274E-06	0.007196067	0.001291403	0.010776333	0.022371758	5.18274E-06	19.12585068	1.48872E-05	0.000255659	0.000251513	0.000983593
2079 Jan	57.14439011	0.066186622	0.010080727	0.001036565	13.53441811	0.036130562	4.950864315	0.001036565	0.001036565	5.18283E-06	0.007196827	0.001292029	0.010775785	0.022392059	5.18283E-06	19.14200592	1.48907E-05	0.000255837	0.000251872	0.000984065
2079 Feb	57.19840622	0.066225082	0.010098185	0.001036571	13.54865837	0.036121521	4.955532551	0.001036571	0.001036571	5.18285E-06	0.007196238	0.001292972	0.010773714	0.02242288	5.18285E-06	19.16564369	1.48944E-05	0.000256112	0.000252452	0.000984641
2079 Mar	57.2819252	0.066308632	0.010117257	0.001037552	13.56923103	0.036150701	4.962762356	0.001037552	0.001037552	5.18776E-06	0.007202714	0.001294708	0.010782759	0.022460893	5.18776E-06	19.19665527	1.49104E-05	0.000256504	0.000253007	0.000985886
2079 Apr	57.61051559	0.066681497	0.010177763	0.001043201	13.64751911	0.036344625	4.991226673	0.001043201	0.001043201	5.216E-06	0.007241729	0.001302048	0.010840796	0.022592744	5.216E-06	19.30850029	1.49927E-05	0.000257986	0.000254564	0.000991431
2079 May	60.43599701	0.068149745	0.011026809	0.001062384	14.31151676	0.036251318	5.207876205	0.001062384	0.001062384	5.31192E-06	0.007361458	0.001355674	0.010941037	0.024034806	5.31192E-06	20.43179512	1.56218E-05	0.000273055	0.000279907	0.001024831
2079 Jun	42.62375259	0.021321002	0.008910467	0.000957767	8.118920326	0.02033907	2.79971242	0.000957767	0.000957767	4.78884E-06	0.006997191	0.00098102	0.009414176	0.015426058	4.78884E-06	13.04780388	2.07439E-05	0.000226864	0.000176618	0.000684551
2079 Jul	39.41665649	0.015221935	0.007781194	0.001005325	7.215033054	0.022973256	2.534145355	0.001005325	0.001005325	5.02662E-06	0.007108502	0.000966685	0.009695139	0.013687435	5.02662E-06	11.60046482	2.01288E-05	0.000204829	0.000136774	0.000684331
2079 Aug	41.26381302	0.017407695	0.00775399	0.001058274	7.97903347	0.027924106	2.862440586	0.001058274	0.001058274	5.29137E-06	0.00705922	0.001049778	0.010128539	0.014683426	5.29137E-06	12.4011364	1.80138E-05	0.000201279	0.000139074	0.00075602
2079 Sep	44.77240753	0.051281478	0.006769755	0.001021806	9.919775963	0.034375492	3.706286669	0.001021806	0.001021806	5.10903E-06	0.007343682	0.001065924	0.010753686	0.015621875	5.10903E-06	13.75796127	1.58438E-05	0.000200969	0.000136152	0.000829273
2079 Oct	46.59893417	0.071341529	0.006194661	0.001000223	10.89607334	0.037344243	4.161296368	0.001000223	0.001000223	5.00111E-06	0.007633154	0.00107105	0.010892316	0.016117463	5.00111E-06	14.42625999	1.54158E-05	0.000199752	0.000135812	0.000874612
2079 Nov	47.4006424	0.079058319	0.005991376	0.000994935	11.28946972	0.038568106	4.34259367	0.000994935	0.000994935	4.97468E-06	0.007763039	0.001075757	0.010975459	0.016340701	4.97468E-06	14.71139336	1.52952E-05	0.000199774	0.000135909	0.000893952
2079 Dec	47.957798	0.084284432	0.005855856	0.000991849	11.5583601	0.039411407	4.466269493	0.000991849	0.000991849	4.95924E-06	0.007854044	0.00107936	0.011036758	0.01649606	4.95924E-06	14.90821934	1.52202E-05	0.000199856	0.000135988	0.000907345
2080 Jan	48.06274414	0.084372126	0.00588839	0.000991908	11.58646393	0.039400496	4.475605488	0.000991908	0.000991908	4.95954E-06	0.007853313	0.001081205	0.011033819	0.016555073	4.95954E-06	14.95383263	1.52257E-05	0.000200378	0.000137076	0.00090851
2080 Feb	48.20261765	0.084442489	0.005934352	0.000992086	11.62258816	0.039379537	4.487290382	0.000992086	0.000992086	4.96043E-06	0.0078519	0.001083745	0.011029928	0.016634658	4.96043E-06	15.01469803	1.52351E-05	0.0002011	0.000138562	0.000910014
2080 Mar	48.28134537	0.084485479	0.005959661	0.000992239	11.64287376	0.039370373	4.493893147	0.000992239	0.000992239	4.9612E-06	0.007851575	0.001085186	0.011028436	0.016678846	4.9612E-06	15.04861832	1.52411E-05	0.000201503	0.000139377	0.000910883
2080 Apr	48.50335693	0.08482106	0.00599577	0.000995984	11.69713593	0.039510451	4.51415205	0.000995984	0.000995984	4.97992E-06	0.00788035	0.001089993	0.011068275	0.016765023	4.97992E-06	15.1230545	1.53006E-05	0.000202471	0.000140345	0.000914727
2080 May	50.13828278	0.086656034	0.006331779	0.001019873	12.08564568	0.04022995	4.653237343	0.001019873	0.001019873	5.09936E-06	0.008054887	0.001124584	0.011302977	0.017453531	5.09936E-06	15.69666481	1.57353E-05	0.000210156	0.000149549	0.000940427
2080 Jun	39.86714935	0.030874809	0.007018839	0.000982595	7.679768085	0.024829933	2.760588408	0.000982595	0.000982595	4.91298E-06	0.007412353	0.000934802	0.010076611	0.013255942	4.91298E-06	11.60594749	2.0162E-05	0.000203538	0.00012284	0.00068941
2080 Jul	37.15302658	0.015647965	0.006813888	0.001005618	6.837337494	0.025223436	2.463582516	0.001005618	0.001005618	5.02809E-06	0.006984878	0.000946481	0.009640803	0.012620261	5.02809E-06	10.74291039	1.86433E-05	0.000185375	0.000111552	0.000686033
2080 Aug	38.78342819	0.019021483	0.006642388	0.001036156	7.783788681	0.030976728	2.858151436	0.001036156	0.001036156	5.18078E-06	0.006640788	0.001024635	0.010005301	0.013663599	5.18078E-06	11.62812519	1.49873E-05	0.000177738	0.000113411	0.000754297

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2080 Sep	42.2827034	0.040720716	0.006290633	0.001018502	9.450140953	0.036004543	3.490567684	0.001018502	0.001018502	5.09251E-06	0.006711977	0.001047532	0.011000006	0.014614075	5.09251E-06	12.98241425	1.27369E-05	0.000187323	0.000114661	0.000794066
2080 Oct	44.89712143	0.064686172	0.005832738	0.001000059	10.5611248	0.038470224	4.013988972	0.001000059	0.001000059	5.0003E-06	0.007254641	0.001057602	0.011074319	0.015386487	5.0003E-06	13.86707497	1.34864E-05	0.000190401	0.000120171	0.000851819
2080 Nov	46.34913254	0.076941237	0.005618058	0.000994022	11.15283298	0.039844058	4.289869785	0.000994022	0.000994022	4.97011E-06	0.007550049	0.001066007	0.011148432	0.015820557	4.97011E-06	14.35385513	1.3899E-05	0.000192505	0.00012323	0.000883574
2080 Dec	46.48635864	0.077860028	0.005607215	0.000994361	11.20287514	0.03997127	4.312509537	0.000994361	0.000994361	4.97181E-06	0.007576543	0.001067412	0.011162208	0.015863039	4.97181E-06	14.39894295	1.39384E-05	0.000192798	0.000123537	0.000886478
2081 Jan	46.57254791	0.077948481	0.005631989	0.000994578	11.22563744	0.039669452	4.320242405	0.000994578	0.000994578	4.97289E-06	0.007577912	0.001068947	0.011161856	0.015909299	4.97289E-06	14.43511105	1.39474E-05	0.00019322	0.000124361	0.00088751
2081 Feb	46.6736412	0.078004286	0.005665024	0.000994701	11.2517252	0.039953869	4.328714371	0.000994701	0.000994701	4.9735E-06	0.007577132	0.001070769	0.011158931	0.015966669	4.9735E-06	14.47899914	1.39552E-05	0.000193741	0.000125433	0.000888601
2081 Mar	46.7489624	0.078068249	0.005685529	0.000995194	11.27082253	0.039962463	4.335205078	0.000995194	0.000995194	4.97597E-06	0.007579952	0.001072224	0.011162112	0.016004905	4.97597E-06	14.50922108	1.39654E-05	0.000194109	0.000126073	0.000889579
2081 Apr	47.1256218	0.07857126	0.005754457	0.00100095	11.36354446	0.040170744	4.369128227	0.00100095	0.00100095	5.00475E-06	0.007621883	0.00108031	0.011221877	0.016159229	5.00475E-06	14.64007092	1.4053E-05	0.000195786	0.000127979	0.000895817
2081 May	67.04280853	0.073911056	0.01363671	0.001006119	15.92719746	0.03093309	5.701517582	0.001006119	0.001006119	5.0306E-06	0.007219994	0.001431718	0.009992876	0.02805849	5.0306E-06	23.43605804	1.74953E-05	0.000314055	0.00036924	0.001061723
2081 Jun	70.81651306	0.053477641	0.016903153	0.000973458	16.10251236	0.021173008	5.541174889	0.000973458	0.000973458	4.86729E-06	0.00675388	0.001486499	0.008827736	0.031154094	4.86729E-06	25.34846497	2.03402E-05	0.000355922	0.000455629	0.001029464
2081 Jul	72.2118988	0.052478064	0.016987495	0.001059062	16.19522285	0.02340647	5.585710049	0.001059062	0.001059062	5.29531E-06	0.00733809	0.001538821	0.009659338	0.03128811	5.29531E-06	25.51174736	2.18108E-05	0.000362903	0.000448122	0.001068968
2081 Aug	74.86772156	0.054800354	0.017264979	0.001133021	16.85776329	0.026797449	5.833981991	0.001133021	0.001133021	5.66511E-06	0.007718946	0.001613528	0.010523361	0.032166392	5.66511E-06	26.32979202	2.19852E-05	0.000372683	0.0004511	0.001125485
2081 Sep	68.63221741	0.060016535	0.014492815	0.001109506	15.77317524	0.031415887	5.537423611	0.001109506	0.001109506	5.54753E-06	0.007567736	0.001494898	0.011136854	0.028369233	5.54753E-06	23.70107079	1.89597E-05	0.00033253	0.000369925	0.001068291
2081 Oct	65.49461365	0.068698563	0.012855026	0.001088474	15.26183224	0.033618648	5.455247402	0.001088474	0.001088474	5.44237E-06	0.007709135	0.001426206	0.011194418	0.026410995	5.44237E-06	22.32213211	1.82613E-05	0.000309334	0.000328492	0.001052437
2081 Nov	61.79249573	0.07665056	0.011118229	0.001057689	14.61652088	0.035487823	5.324013233	0.001057689	0.001057689	5.28844E-06	0.007778023	0.001345222	0.011148633	0.024233181	5.28844E-06	20.75445557	1.74026E-05	0.000283569	0.000284525	0.001027107
2081 Dec	61.36903381	0.077902533	0.010890347	0.001055055	14.54901218	0.035810694	5.314130306	0.001055055	0.001055055	5.27527E-06	0.007800478	0.001335948	0.011160375	0.023964271	5.27527E-06	20.56630325	1.73094E-05	0.000280382	0.000278762	0.001025197
2082 Jan	61.43003464	0.077995628	0.010906854	0.001055003	14.56667805	0.035811409	5.320359707	0.001055003	0.001055003	5.27502E-06	0.007800298	0.001336984	0.011158058	0.023998294	5.27502E-06	20.59295845	1.73099E-05	0.000280652	0.00027937	0.001025962
2082 Feb	61.54093933	0.078071147	0.010941594	0.001055198	14.59571457	0.03580144	5.329949856	0.001055198	0.001055198	5.27599E-06	0.007799985	0.001339007	0.011155812	0.024060398	5.27599E-06	20.64075661	1.73174E-05	0.000281207	0.000280507	0.001027223
2082 Mar	61.64477539	0.078167416	0.010968228	0.00105605	14.62182808	0.035821326	5.338934898	0.00105605	0.00105605	5.28025E-06	0.007805328	0.001341054	0.011162475	0.024111193	5.28025E-06	20.68135071	1.73337E-05	0.000281708	0.000281324	0.001028635
2082 Apr	61.94229507	0.078524344	0.011025851	0.001060614	14.69325066	0.035970975	5.364697933	0.001060614	0.001060614	5.30307E-06	0.007838517	0.001347405	0.011209377	0.02423341	5.30307E-06	20.78447342	1.74099E-05	0.000283083	0.000282878	0.001033415
2082 May	63.31591415	0.080195844	0.011281223	0.00108322	15.01915741	0.036716498	5.482893944	0.00108322	0.00108322	5.4161E-06	0.008004404	0.001377075	0.011444904	0.024781881	5.4161E-06	21.25118637	1.77882E-05	0.00028942	0.000289546	0.001055926
2082 Jun	41.39049911	0.02652563	0.00792178	0.00097849	7.93982029	0.023054348	2.794672251	0.00097849	0.00097849	4.89245E-06	0.007258383	0.000961613	0.009901483	0.01430521	4.89245E-06	12.33769989	2.04553E-05	0.000215851	0.000147315	0.000689878
2082 Jul	36.83237457	0.0125798	0.007010737	0.001004477	6.514807701	0.023195457	2.301905155	0.001004477	0.001004477	5.02238E-06	0.007112076	0.000923619	0.009727747	0.012279408	5.02238E-06	10.49134541	1.99734E-05	0.000191742	0.000110991	0.000657048
2082 Aug	39.57684326	0.017632745	0.007125767	0.001052338	7.550618172	0.028071351	2.694453478	0.001052338	0.001052338	5.26169E-06	0.007122362	0.001001386	0.010514043	0.013413425	5.26169E-06	11.5760479	1.80161E-05	0.000196542	0.000115491	0.000718889
2082 Sep	42.13321686	0.031940054	0.006916286	0.001056181	8.683448792	0.031928211	3.152739286	0.001056181	0.001056181	5.28091E-06	0.007251814	0.001036614	0.011062019	0.014272338	5.28091E-06	12.56237602	1.6709E-05	0.000200823	0.000118616	0.000766629
2082 Oct	45.03959274	0.067737088	0.005895357	0.000995766	10.40908813	0.036689844	3.967978477	0.000995766	0.000995766	4.97883E-06	0.00759229	0.001038853	0.01095228	0.015253197	4.97883E-06	13.75730038	1.54892E-05	0.000195236	0.000122388	0.000844761
2082 Nov	45.45481873	0.069979116	0.005877299	0.000998564	10.5592947	0.037153278	4.033356667	0.000998564	0.000998564	4.99282E-06	0.007654764	0.001045111	0.011011679	0.015393365	4.99282E-06	13.89979267	1.55176E-05	0.000196098	0.000123292	0.00085378
2082 Dec	45.50591278	0.070128947	0.005880715	0.000999406	10.57354927	0.037200566	4.039157391	0.000999406	0.000999406	4.99703E-06	0.007663039	0.001046139	0.011022232	0.015410644	4.99703E-06	13.91610336	1.553E-05	0.000196277	0.000123421	0.000854794
2083 Jan	45.56659698	0.070200659	0.005897004	0.000999614	10.58988953	0.037205189	4.044807434	0.000999614	0.000999614	4.99807E-06	0.007664398	0.001047241	0.011022967	0.015442465	4.99807E-06	13.94126797	1.55352E-05	0.000196562	0.000123968	0.000855565
2083 Feb	45.65428162	0.070273824	0.005921203	0.001000149	10.61219788	0.037213568	4.052369118	0.001000149	0.001000149	5.00074E-06	0.007667343	0.001048926	0.011026173	0.0154874	5.00074E-06	13.97669697	1.55466E-05	0.000196992	0.000124727	0.000856689
2083 Mar	45.74285507	0.070376404	0.005939698	0.001001332	10.63384056	0.03725129	4.060109615	0.001001332	0.001001332	5.00666E-06	0.007675781	0.001050781	0.011037746	0.015525746	5.00666E-06	14.00850201	1.55666E-05	0.000197402	0.000125253	0.000858067
2083 Apr	46.04321671	0.070819162	0.005982717	0.001007472	10.70426846	0.037476134	4.086699963	0.001007472	0.001007472	5.03736E-06	0.007722493	0.001057578	0.011104594	0.015632447	5.03736E-06	14.10317516	1.5663E-05	0.000198714	0.000126239	0.000863538
2083 May	60.83918762	0.070388198	0.011556797	0.001015067	14.22564793	0.031975657	5.148847103	0.001015067	0.001015067	5.07534E-06	0.007451037	0.001321126	0.010335023	0.024361342	5.07534E-06	20.61835289	1.76986E-05	0.00028319	0.000299256	0.000996899
2083 Jun	62.22510529	0.042205028	0.014672446	0.000955231	13.6381588	0.019873235	4.677671432	0.000955231	0.000955231	4.77616E-06	0.006724979	0.001327973	0.008806253	0.026519626	4.77616E-06	21.67539406	2.05235E-05	0.000318341	0.000377109	0.000915886
2083 Jul	54.01025772	0.031342868	0.01196865	0.001009397	11.36785698	0.023331817	3.960482836	0.001009397	0.001009397	5.04698E-06	0.00691241	0.001230862	0.00929668	0.021933816	5.04698E-06	18.02067184	1.96976E-05	0.000271011	0.000283607	0.000864065
2083 Aug	47.60709763	0.026107496	0.00932087	0.00103474	10.38440704	0.031642709	3.771811962	0.00103474	0.00103474	5.1737E-06	0.006252754	0.001208525	0.009364294	0.019144749	5.1737E-06	15.73029709	1.36268E-05	0.000212418	0.000210844	0.000881788
2083 Sep	48.447258	0.052621331	0.007914533	0.001015208	11.19302273	0.035842493	4.177097321	0.001015208	0.001015208	5.07604E-06	0.006848243	0.001167045	0.010184404	0.018366275	5.07604E-06	15.71209335	1.35817E-05	0.000208638	0.000182697	0.000902586
2083 Oct	48.96221542	0.082531013	0.006345219	0.000981102	11.92516994	0.039418194	4.59245348	0.000981102	0.000981102	4.90551E-06	0.007544487	0.001112381	0.010673953	0.017492898	4.90551E-06	15.56414413	1.41467E-05	0.000201495	0.000155009	0.000926823
2083 Nov	49.0814743	0.088038757	0.006059057	0.000975712	12.06523132	0.040111993	4.671016216	0.000975712	0.000975712	4.87856E-06	0.007676961	0.001103162	0.010772337	0.017340515	4.87856E-06	15.54401875	1.42544E-05	0.000200257	0.000149928	0.000931927
2083 Dec	49.11565781	0.088156655	0.006060045	0.000976311	12.07481861	0.040146429	4.6749897	0.000976311	0.000976311	4.88155E-06	0.007683533	0.001103804	0.010780632	0.0173505	4.88155E-06	15.55421829	1.42651E-05	0.000200378	0.000149973	0.000932608
2084 Jan	49.18007278	0.088208206	0.006079698	0.000976436	12.09165382	0.04014127	4.680562973	0.000976436	0.000976436	4.88218E-06	0.007683853	0.001104948	0.01077997	0.017385751	4.88218E-06	15.58161545	1.42709E-05	0.000200704	0.000150615	0.000933329
2084 Feb	49.26901627	0.088257112	0.006108011	0.000976657	12.11440372	0.040132191	4.687971592	0.000976657	0.000976657	4.88328E-06	0.007683914	0.001106583	0.010778911	0.017435126	4.88328E-06	15.61961555	1.42787E-05	0.000201162	0.00015152	0.000934318
2084 Mar	49.37122345	0.088380493	0.006130029	0.000977848	12.14001179	0.040171362	4.697126389	0.000977848	0.000977848	4.88924E-06	0.007692387	0.001108682	0.010790177	0.017480973	4.88924E-06	15.65731907	1.42986E-05	0.00020163	0.000152176	0.000935879
2084 Apr	49.85539627	0.089213662	0.006195399	0.000986969	12.25933266	0.040540539	4.742869377	0.000986969	0.000986969	4.93485E-06	0.007763627	0.001119444	0.010889758	0.017657844	4.93485E-06	15.81384468	1.44334E-05	0.000203636	0.00015386	0.000944844
2084 May	68.66184235	0.079579093	0.01393475	0.000998441	16.44559669	0.031067478	5.913226128	0.000998441	0.000998441	4.99221E-06	0.00728895	0.001455527	0.009802997	0.028958414	4.99221E-06	24.13658333	1.77076E-05	0.000319142	0.000385053	0.001089354
2084 Jun	65.71463776	0.047012411	0.015637139	0.000950218	14.68037796	0.020050619	5.042181969	0.000950218	0.000950218	4.75109E-06	0.006643817	0.001389565	0.008658669	0.028523488	4.75109E-06	23.24076843	2.02306E-05	0.000333306	0.00041274	0.000959839
2084 Jul	60.26960373	0.038821463	0.013737525	0.001016354	13.06820965	0.023126557	4.534294128	0.001016354	0.001016354	5.08177E-06	0.006976527	0.001335211	0.00928764	0.025259638	5.08177E-06	20.66210556	2.01997E-05	0.000302118	0.00034327	0.000933573
2084 Aug	58.56835175	0.039020751	0.012615331	0.001052213	12.9173584	0.027934555	4.529079914	0.001052213	0.001052213	5.26106E-06	0.006907415	0.001336653	0.009984384	0.024090134	5.26106E-06	19.90440369	1.78371E-05	0.000284576	0.00030734	0.000945403
2084 Sep	55.19296265	0.050554316	0.01046354	0.001031245	12.65324974	0.032850631	4.520910263	0.001031245	0.001031245	5.15623E-06	0.006886442	0.001257518	0.010730637	0.021623002	5.15623E-06	18.41289711	1.51915E-05	0.000258455	0.000248527	0.000919303
2084 Oct	52.90655136	0.074366614	0.008229914	0.001000471	12.64062691	0.036931723	4.709867477	0.001000471	0.001000471	5.00235E-06	0.007407448	0.001182064	0.010878252	0.019674493	5.00235E-06	17.22911453	1.49391E-05	0.000232524	0.000200958	0.000934167
2084 Nov	52.38712692	0.080783442	0.007651332	0.000994095	12.65756893	0.038078278	4.767437458	0.000994095	0.000994095	4.97047E-06	0.007557963	0.001164067	0.010936953	0.019189507	4.97047E-06	16.94309425	1.48962E-05	0.000226035	0.000188648	0.00093965
2084 Dec	52.42385483	0.08091747	0.007651295	0.000994831	12.66796875	0.038121391	4.771903992	0.000994831	0.000994831	4.97415E-06	0.007565686	0.001164815	0.010946434	0.019199787	4.97415E-06	16.95369911	1.49078E-05	0.000226148	0.000188668	0.000940468
2085 Jan	52.47399521	0.08097031	0.007666038	0.000994883	12.68149185	0.0381185	4.776500702	0.000994883	0.000994883	4.97441E-06	0.007565889	0.001165694	0.010945285	0.019227462	4.97441E-06	16.97520447	1.49115E-05	0.00022639	0.00018917	0.000941058
2085 Feb	52.55061722	0.081019878	0.007689758	0.000995099	12.70121384	0.038113363	4.783004761	0.000995099	0.000995099	4.97549E-06	0.007566302	0.001167109	0.010944704	0.019269601	4.97549E-06	17.00773811	1.49184E-05	0.000226778	0.000189933	0.00094194
2085 Mar	52.60984039	0.081073776	0.007705249	0.000995547	12.71618462	0.03812319	4.78813839	0.000995547	0.000995547	4.97773E-06	0.007569034	0.001168268	0.010948014	0.01929898	4.97773E-06	17.03112602	1.49271E-05	0.000227064	0.000190412	0.000942734
2085 Apr	52.88899231	0.081482597	0.00775031	0.001000445	12.78403282	0.03830656	4.813398361	0.001000445	0.001000445	5.00222E-06	0.007605888	0.001174378	0.011000953	0.019405758	5.00222E-06	17.12390518	1.50017E-05	0.000228286	0.000191574	0.000947583
2085 May	69.74726868	0.075708985	0.014556144	0.00100352	16.61152077	0.030082308	5.918254852	0.00100352	0.00100352	5.0176E-06	0.007203984	0.001474722	0.009875651	0.029585209	5.0176E-06	24.60944176	1.78874E-05	0.000329075	0.000399137	0.001085999
2085 Jun	74.41821289	0.058145188	0.017777627	0.000994014	17.07970619	0.021978151	5.885147572	0.000994014	0.000994014	4.97007E-06	0.006885947	0.00155472	0.008991621	0.03295726	4.97007E-06	26.80015564	2.0622E-05	0.000372217	0.000484678	0.001079029
2085 Jul	70.79740906	0.051908724	0.016410802	0.001054277	16.0638752	0.025374496	5.591869831	0.001054277	0.001054277	5.27138E-06	0.007071438	0.001539227	0.009427529	0.030893916	5.27138E-06	25.11893082	1.99671E-05	0.00034701	0.000436317	0.001081023
2085 Aug	60.93663406	0.046220381	0.012777913	0.001043579	14.06863213	0.031534895	4.965432644	0.001043579	0.001043579	5.2179E-06	0.006542351	0.001391238	0.010160982	0.025461553	5.2179E-06	21.12483025	1.48813E-05	0.000286015	0.000322074	0.000992691
2085 Sep	54.28941345	0.06805408	0.008957641	0.001003597	13.0848732	0.037392192	4.801870346	0.001003597	0.001003597	5.01798E-06	0.006954287	0.001224766	0.010984136	0.02072441	5.01798E-06	18.02816963	1.31467E-05	0.000240038	0.000219217	0.00094057
2085 Oct	52.33057404	0.083562039	0.007407075	0.000983159	12.86332226	0.039368808	4.856181622	0.000983159	0.000983159	4.9158E-06	0.007410301	0.001162841	0.010998277	0.019169074	4.9158E-06	17.00390434	1.37082E-05	0.000222091	0.000184943	0.000943868
2085 Nov	51.61793137	0.088950492	0.006858624	0.000975689	12.77936077	0.040053014	4.872842789	0.000975689	0.000975689	4.87844E-06	0.00756693	0.00114064	0.011000585	0.018612908	4.87844E-06	16.63577271	1.38955E-05	0.000215682	0.000172773	0.000944608
2085 Dec	51.63626099	0.089053035	0.006856177	0.000976102	12.78489208	0.040080618	4.875473976	0.000976102	0.000976102	4.88051E-06	0.007572424	0.001140977	0.011006172	0.018616293	4.88051E-06	16.64018631	1.39045E-05	0.000215721	0.000172729	0.000945091
2086 Jan	51.69990158	0.089105472	0.006875704	0.000976212	12.80149364	0.040074486	4.881017208	0.000976212	0.000976212	4.88106E-06	0.007572764	0.001142114	0.011004846	0.018651521	4.88106E-06	16.66736221	1.39108E-05	0.00021604	0.000173374	0.000945822
2086 Feb	51.78536606	0.089145698	0.006904074	0.000976321	12.82338047	0.040060125	4.888081074	0.000976321	0.000976321	4.88161E-06	0.007571958	0.001143666	0.011002215	0.018700296	4.88161E-06	16.70454407	1.39175E-05	0.000216483	0.000174289	0.000946738
2086 Mar	51.85929489	0.089214668	0.006923187	0.000976896	12.84208298	0.040073432	4.8945117	0.000976896	0.000976896	4.88448E-06	0.007575516	0.001145116	0.011006586	0.018736761	4.88448E-06	16.73363495	1.39285E-05	0.000216839	0.00017488	0.000947737
2086 Apr	52.23297882	0.089824162	0.006978373	0.000983467	12.93484688	0.040337071	4.929467678	0.000983467	0.000983467	4.91734E-06	0.007625951	0.001153263	0.011079408	0.018877365	4.91734E-06	16.85721588	1.40238E-05	0.000218429	0.000176336	0.000954364
2086 May	59.39923477	0.087710693	0.00973236	0.001003057	14.52953815	0.037605774	5.396607399	0.001003057	0.001003057	5.01529E-06	0.00759384	0.001286106	0.010827227	0.023026217	5.01529E-06	19.93515778	1.54683E-05	0.000260766	0.000258351	0.001019513
2086 Jun	53.21225357	0.034118801	0.011873974	0.000962722	11.12707996	0.020695781	3.836183786	0.000962722	0.000962722	4.81361E-06	0.006927885	0.001168861	0.009205303	0.021300841	4.81361E-06	17.65553665	2.0643E-05	0.000275237	0.000280654	0.000814143
2086 Jul	46.7429924	0.023644406	0.009725383	0.001035271	9.17489624	0.023693999	3.207396507	0.001035271	0.001035271	5.17636E-06	0.007299441	0.001099715	0.009886563	0.017458504	5.17636E-06	14.60664654	2.07924E-05	0.000239844	0.000200865	0.000776231
2086 Aug	46.22702408	0.026075482	0.008847327	0.001056755	9.616881371	0.029836118	3.433562279	0.001056755	0.001056755	5.28378E-06	0.006902745	0.001136221	0.010326824	0.017293392	5.28378E-06	14.59369469	1.66547E-05	0.000221225	0.000180199	0.000817645
2086 Sep	47.00313187	0.049993739	0.00737444	0.001019007	10.82384014	0.036435798	3.952864647	0.001019007	0.001019007	5.09503E-06	0.006835467	0.001110189	0.011302275	0.01680219	5.09503E-06	14.88730526	1.30241E-05	0.000211836	0.000151778	0.000837231
2086 Oct	48.06957626	0.064541392	0.006888703	0.001012031	11.35637379	0.038222488	4.236329556	0.001012031	0.001012031	5.06015E-06	0.007210433	0.001111205	0.011335476	0.016988689	5.06015E-06	15.18585777	1.3529E-05	0.00020989	0.000149101	0.000873006
2086 Nov	48.28858185	0.065160796	0.006904199	0.001015918	11.41507244	0.038420241	4.260331631	0.001015918	0.001015918	5.07959E-06	0.007248649	0.001115683	0.011381796	0.017061312	5.07959E-06	15.25406551	1.35957E-05	0.000210682	0.000149629	0.000877392
2086 Dec	48.32200623	0.065277345	0.006905488	0.001016462	11.42450142	0.038452033	4.264312744	0.001016462	0.001016462	5.08231E-06	0.007254845	0.001116327	0.011388506	0.017072069	5.08231E-06	15.26440811	1.36063E-05	0.000210792	0.0001497	0.00087809
2087 Jan	48.36394501	0.065333553	0.006916801	0.001016557	11.43581867	0.038452774	4.268270969	0.001016557	0.001016557	5.08278E-06	0.007255851	0.001117061	0.011388198	0.017094329	5.08278E-06	15.2818985	1.36111E-05	0.000210989	0.000150091	0.000878621
2087 Feb	48.43094254	0.065390795	0.006935177	0.001016971	11.45285797	0.038459513	4.274059772	0.001016971	0.001016971	5.08486E-06	0.007258206	0.001118349	0.011390716	0.017128561	5.08486E-06	15.30890751	1.362E-05	0.000211316	0.000150568	0.000879485
2087 Mar	48.52701569	0.065502338	0.006953737	0.001018446	11.47623062	0.038510401	4.282469749	0.001018446	0.001018446	5.09223E-06	0.0072684	0.001120426	0.011406073	0.0171683	5.09223E-06	15.34246445	1.36415E-05	0.000211754	0.000151169	0.000881036
2087 Apr	48.70728683	0.065735318	0.006982308	0.00102192	11.51923656	0.038638972	4.298339844	0.00102192	0.00102192	5.1096E-06	0.007293005	0.001124507	0.011444317	0.017235365	5.1096E-06	15.40127754	1.36891E-05	0.000212552	0.000151845	0.000884199
2087 May	58.89704895	0.066612989	0.010847198	0.001020212	13.91021252	0.034197167	5.02699995	0.001020212	0.001020212	5.10106E-06	0.007167847	0.001300419	0.010751418	0.023277741	5.10106E-06	19.88076401	1.55952E-05	0.000271074	0.000273586	0.000975831
2087 Jun	68.06736755	0.049654469	0.016060773	0.000988562	15.27313232	0.02159092	5.253889084	0.000988562	0.000988562	4.94281E-06	0.006878208	0.001441836	0.009101672	0.02947188	4.94281E-06	24.06124306	2.05724E-05	0.000343777	0.000423627	0.000998213
2087 Jul	60.39978027	0.039242998	0.013519343	0.00103442	13.28550434	0.025626956	4.653069019	0.00103442	0.00103442	5.1721E-06	0.006862067	0.001366301	0.009339531	0.02548275	5.1721E-06	20.80246735	1.87761E-05	0.000294738	0.000339952	0.000964854

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2087 Aug	59.97305298	0.03854043	0.012921751	0.001087487	13.29067898	0.02963494	4.70344162	0.001087487	0.001087487	5.43744E-06	0.006955771	0.001398594	0.009889254	0.025067624	5.43744E-06	20.52140045	1.75197E-05	0.00028438	0.00031937	0.000998157
2087 Sep	59.38454056	0.051003188	0.011759154	0.001092404	13.46848869	0.033054367	4.84690094	0.001092404	0.001092404	5.46202E-06	0.007283321	0.001371986	0.010480742	0.024064057	5.46202E-06	20.04969025	1.70432E-05	0.000274825	0.000290042	0.001009132
2087 Oct	57.23910141	0.064416096	0.01021645	0.00106354	13.29947662	0.035411078	4.886778831	0.00106354	0.00106354	5.3177E-06	0.007500859	0.001305468	0.010661032	0.022434119	5.3177E-06	19.03775978	1.64926E-05	0.00025701	0.000253799	0.000998347
2087 Nov	56.41109848	0.069747321	0.00960949	0.001052542	13.23743057	0.036358275	4.904359818	0.001052542	0.001052542	5.26271E-06	0.007589891	0.001279642	0.010736614	0.021797139	5.26271E-06	18.64415741	1.62809E-05	0.000250052	0.00023954	0.000994463
2087 Dec	56.42922211	0.06987951	0.009604524	0.001052958	13.24396801	0.036395568	4.907482624	0.001052958	0.001052958	5.26479E-06	0.007595797	0.001279932	0.010744099	0.021798659	5.26479E-06	18.6480732	1.62866E-05	0.000250076	0.000239431	0.000994968
2088 Jan	56.47997284	0.069954492	0.009617301	0.001053102	13.25799274	0.036401063	4.912392616	0.001053102	0.001053102	5.26551E-06	0.007597176	0.00128081	0.010745049	0.021824645	5.26551E-06	18.6689682	1.62909E-05	0.000250312	0.000239872	0.000995609
2088 Feb	56.54602432	0.070001654	0.009637947	0.001053202	13.27531338	0.036394533	4.918093204	0.001053202	0.001053202	5.26601E-06	0.007597011	0.001281993	0.01074385	0.021861421	5.26601E-06	18.69739151	1.62955E-05	0.000250646	0.000240548	0.000996341
2088 Mar	56.66352844	0.070128322	0.009663073	0.001054777	13.30388546	0.03644352	4.928288937	0.001054777	0.001054777	5.27389E-06	0.007607887	0.001284486	0.010758708	0.021912955	5.27389E-06	18.73982048	1.63216E-05	0.000251189	0.000241261	0.000998177
2088 Apr	57.44309235	0.07106705	0.009803093	0.001068437	13.48828411	0.036907937	4.996057987	0.001068437	0.001068437	5.34218E-06	0.007705741	0.00130192	0.010896361	0.022222901	5.34218E-06	19.00260162	1.65353E-05	0.000254677	0.000244878	0.001011584
2088 May	60.7364006	0.07390333	0.010658992	0.001096536	14.30483437	0.037497777	5.275588036	0.001096536	0.001096536	5.48268E-06	0.007882111	0.001367132	0.01111346	0.023830332	5.48268E-06	20.28462219	1.7101E-05	0.000270766	0.000270803	0.001056115
2088 Jun	42.94364548	0.025241582	0.008505031	0.000994574	8.248786926	0.022799419	2.89035964	0.000994574	0.000994574	4.97287E-06	0.007300989	0.000998845	0.009880717	0.015205971	4.97287E-06	12.97680378	2.08611E-05	0.000224137	0.000163834	0.000711226
2088 Jul	41.86142731	0.01877436	0.008215047	0.001058211	7.600580692	0.023423845	2.652477503	0.001058211	0.001058211	5.29105E-06	0.007719191	0.001001553	0.010453181	0.014227823	5.29105E-06	12.19100189	2.23256E-05	0.000222252	0.000142138	0.000707797
2088 Aug	45.33323669	0.02214171	0.008649526	0.001138986	8.517767906	0.02739487	2.99198842	0.001138986	0.001138986	5.69493E-06	0.00810309	0.001094535	0.011405731	0.015510239	5.69493E-06	13.34721851	2.22924E-05	0.000234943	0.000150439	0.000777644
2088 Sep	46.73918533	0.030700088	0.008430671	0.001142274	9.222140312	0.030271757	3.280841589	0.001142274	0.001142274	5.71137E-06	0.00812517	0.001117842	0.011769958	0.015981406	5.71137E-06	13.91399574	2.10536E-05	0.000235403	0.000149965	0.000808723
2088 Oct	47.59180832	0.06538818	0.00681732	0.001046666	10.67835712	0.035674356	4.0190382	0.001046666	0.001046666	5.23333E-06	0.008038603	0.001087749	0.011348809	0.016247077	5.23333E-06	14.52134895	1.78257E-05	0.000214922	0.000140919	0.000867058
2088 Nov	48.04926682	0.07298775	0.006520819	0.00103312	11.04358959	0.037013937	4.196104527	0.00103312	0.00103312	5.1656E-06	0.008069302	0.001087936	0.011330209	0.016396208	5.1656E-06	14.73208618	1.72622E-05	0.000211928	0.00013981	0.00088434
2088 Dec	48.09295273	0.073131345	0.006522724	0.0010338	11.05653381	0.037058696	4.201451778	0.0010338	0.0010338	5.169E-06	0.008076139	0.001088812	0.01133912	0.016411019	5.169E-06	14.74625683	1.72698E-05	0.000212065	0.000139909	0.000885243
2089 Jan	48.15098572	0.073199004	0.006538831	0.001033901	11.07257366	0.037061073	4.206977844	0.001033901	0.001033901	5.16951E-06	0.008076472	0.001089854	0.01133866	0.01644255	5.16951E-06	14.77101421	1.72719E-05	0.000212334	0.000140463	0.000885964
2089 Feb	48.22911453	0.073254369	0.006562422	0.001034151	11.09284687	0.037058882	4.21371 46	0.001034151	0.001034151	5.17075E-06	0.008077092	0.001091307	0.01133859	0.016485121	5.17075E-06	14.80403042	1.72784E-05	0.000212724	0.000141224	0.000886885
2089 Mar	48.3535347	0.07340885	0.006586415	0.001036041	11.12271976	0.037120573	4.224536419	0.001036041	0.001036041	5.18021E-06	0.008091136	0.001093951	0.011357791	0.016536295	5.18021E-06	14.84714603	1.73112E-05	0.000213297	0.000141878	0.000888893
2089 Apr	48.77435684	0.074023105	0.006648778	0.001044503	11.22041798	0.037419435	4.261267662	0.001044503	0.001044503	5.22252E-06	0.008156706	0.001103349	0.011449467	0.016686384	5.22252E-06	14.97987652	1.74535E-05	0.00021517	0.00014332	0.000896428
2089 May	61.76395035	0.072576135	0.011678237	0.001036594	14.36364937	0.032179214	5.202732563	0.001036594	0.001036594	5.18297E-06	0.007737701	0.001334896	0.010579603	0.024559533	5.18297E-06	20.82312012	1.87314E-05	0.000289056	0.00030098	0.001010012
2089 Jun	72.79538727	0.054978848	0.017370578	0.001003902	16.5219593	0.021693734	5.684809208	0.001003902	0.001003902	5.01951E-06	0.006992153	0.001527257	0.009108904	0.031977132	5.01951E-06	26.0236721	2.11299E-05	0.000366395	0.000467524	0.001057787
2089 Jul	65.27332306	0.044683523	0.014854585	0.001050891	14.59126663	0.025921982	5.105463982	0.001050891	0.001050891	5.25446E-06	0.006959309	0.001456299	0.009354184	0.028079795	5.25446E-06	22.83687019	1.91966E-05	0.000317508	0.000384942	0.001027867
2089 Aug	60.74930954	0.039325632	0.013055923	0.001092169	13.64547539	0.030992873	4.865562916	0.001092169	0.001092169	5.46084E-06	0.006799095	0.001435977	0.009649399	0.02581097	5.46084E-06	21.00021935	1.64502E-05	0.00028108	0.000329253	0.001032849
2089 Sep	58.45212936	0.055029336	0.011189562	0.001073642	13.49288559	0.034489438	4.91173315	0.001073642	0.001073642	5.36821E-06	0.007137666	0.001360113	0.010261877	0.023737088	5.36821E-06	19.79530144	1.57887E-05	0.000262923	0.000280872	0.00101733
2089 Oct	53.03366089	0.083422817	0.007703135	0.001001872	12.86537552	0.038732529	4.891080379	0.001001872	0.001001872	5.00936E-06	0.00763901	0.001190058	0.010668881	0.019707786	5.00936E-06	17.24284172	1.50114E-05	0.000223711	0.00019601	0.000972332
2089 Nov	52.87212372	0.086500727	0.007435526	0.001001643	12.88826752	0.039358787	4.919509411	0.001001643	0.001001643	5.00822E-06	0.007731629	0.001182103	0.010772025	0.019465627	5.00822E-06	17.11880875	1.50331E-05	0.000221544	0.000189544	0.000974322
2089 Dec	52.91549301	0.08662957	0.007437377	0.001002514	12.8999176	0.039404038	4.924298286	0.001002514	0.001002514	5.01257E-06	0.007739986	0.001182997	0.010783222	0.019478425	5.01257E-06	17.13160515	1.50466E-05	0.0002217	0.000189597	0.000975207
2090 Jan	52.97722244	0.086698599	0.007453235	0.001002889	12.91597939	0.039413162	4.929848671	0.001002889	0.001002889	5.01444E-06	0.007742562	0.001184154	0.010786041	0.019509209	5.01444E-06	17.15624428	1.50548E-05	0.000221996	0.000190105	0.000976017
2090 Feb	53.05862808	0.086761951	0.007476341	0.001003333	12.93669701	0.039417975	4.936814308	0.001003333	0.001003333	5.01666E-06	0.007744813	0.001185705	0.010788339	0.01955153	5.01666E-06	17.18946838	1.50647E-05	0.000222399	0.000190832	0.000977033
2090 Mar	53.16485214	0.086897559	0.007497661	0.001004743	12.96307087	0.039466497	4.946365833	0.001004743	0.001004743	5.02372E-06	0.00775506	0.001187933	0.010802155	0.019597402	5.02372E-06	17.22762108	1.50877E-05	0.000222877	0.000191451	0.000978725
2090 Apr	53.44536209	0.087334253	0.007540858	0.001009702	13.03174019	0.039657336	4.972273827	0.001009702	0.001009702	5.04851E-06	0.007792967	0.001194117	0.010854695	0.019704655	5.04851E-06	17.32066154	1.51632E-05	0.000224073	0.000192597	0.000983739
2090 May	56.88010406	0.08725208	0.008753806	0.001024428	13.81511784	0.038826585	5.209655285	0.001024428	0.001024428	5.12214E-06	0.007830026	0.001258172	0.010845794	0.021596488	5.12214E-06	18.7549305	1.58374E-05	0.00024377	0.000228474	0.001017619
2090 Jun	54.13490295	0.035094447	0.012113976	0.00096915	11.36304474	0.020841524	3.920583487	0.00096915	0.00096915	4.84575E-06	0.006970435	0.001187599	0.009223229	0.021780245	4.84575E-06	18.02662277	2.07859E-05	0.000279349	0.000288576	0.000827966
2090 Jul	48.77120209	0.026244208	0.010326795	0.001032961	9.721219063	0.023337431	3.388923168	0.001032961	0.001032961	5.1648E-06	0.007313738	0.001130126	0.009841391	0.018547134	5.1648E-06	15.47019863	2.10424E-05	0.000250489	0.000221358	0.000795893
2090 Aug	46.10511017	0.034939673	0.008013573	0.00101446	10.36577702	0.034212109	3.68404007	0.00101446	0.00101446	5.0723E-06	0.006340858	0.001109385	0.011149653	0.016827159	5.0723E-06	14.73827553	1.22459E-05	0.000215105	0.000160057	0.000797953
2090 Sep	47.34470367	0.063914351	0.006689792	0.000989105	11.33995533	0.038524307	4.210534096	0.000989105	0.000989105	4.94552E-06	0.006923213	0.001091386	0.011375266	0.016677491	4.94552E-06	15.01919937	1.22023E-05	0.000206303	0.000143585	0.000852716
2090 Oct	48.91505051	0.092952043	0.005634408	0.000969965	12.17974472	0.041259717	4.714622498	0.000969965	0.000969965	4.84983E-06	0.007749622	0.001082074	0.011188949	0.016846964	4.84983E-06	15.37548828	1.38692E-05	0.000199655	0.00013722	0.000921391
2090 Nov	48.89413834	0.095930882	0.005484019	0.000964254	12.22700882	0.041439302	4.753716469	0.000964254	0.000964254	4.82127E-06	0.007815272	0.001076699	0.01113001	0.016791321	4.82127E-06	15.35066223	1.39984E-05	0.000198033	0.000135696	0.000925672
2090 Dec	48.93966293	0.096056975	0.0054873	0.00096509	12.23903561	0.041480452	4.758644581	0.00096509	0.00096509	4.82545E-06	0.007823399	0.001077643	0.011139758	0.01680634	4.82545E-06	15.3647213	1.4013E-05	0.000198198	0.000135804	0.000926592
2091 Jan	49.0101738	0.096105307	0.005508903	0.000965307	12.25711823	0.041476239	4.764639378	0.000965307	0.000965307	4.82654E-06	0.007824071	0.001078947	0.011139337	0.016844895	4.82654E-06	15.39449787	1.40203E-05	0.000198553	0.0001365	0.000927416
2091 Feb	49.09580994	0.096139945	0.005537562	0.000965436	12.2789278	0.041461781	4.771640301	0.000965436	0.000965436	4.82718E-06	0.007823201	0.001080516	0.011136844	0.016893826	4.82718E-06	15.43175316	1.40269E-05	0.000199	0.000137417	0.000928331
2091 Mar	49.25676346	0.096382171	0.005566133	0.000967749	12.31939697	0.041550133	4.786559582	0.000967749	0.000967749	4.83874E-06	0.00784089	0.001083886	0.011161338	0.016959885	4.83874E-06	15.48801327	1.40631E-05	0.000199706	0.000138239	0.000930988
2091 Apr	49.75037003	0.097306132	0.005627892	0.000976957	12.44297314	0.041939192	4.834108829	0.000976957	0.000976957	4.88478E-06	0.007914894	0.001094649	0.011266286	0.017135967	4.88478E-06	15.64647293	1.41984E-05	0.000201739	0.000139838	0.000940095
2091 May	57.95360184	0.093577646	0.008864478	0.000998628	14.25430012	0.038626466	5.354674339	0.000998628	0.000998628	4.99314E-06	0.007823603	0.001248685	0.010948387	0.02194814	4.99314E-06	19.1992588	1.57428E-05	0.000250695	0.000235554	0.001012641
2091 Jun	66.47924805	0.049532313	0.015560927	0.000979805	14.85929871	0.021433454	5.122070313	0.000979805	0.000979805	4.89902E-06	0.006900687	0.001408546	0.009052049	0.028594378	4.89902E-06	23.38049507	2.06439E-05	0.000335912	0.000408559	0.000979251
2091 Jul	64.58896637	0.04453925	0.014709055	0.001064496	14.0447197	0.023804739	4.860288143	0.001064496	0.001064496	5.32248E-06	0.007476938	0.001406498	0.009917238	0.026955791	5.32248E-06	22.13877678	2.194E-05	0.000326724	0.000369041	0.000982607
2091 Aug	56.7884903	0.043027326	0.01146102	0.001048808	12.82515621	0.031324223	4.506539822	0.001048808	0.001048808	5.24404E-06	0.006788067	0.001295586	0.010769568	0.022631394	5.24404E-06	19.10477638	1.56635E-05	0.000272594	0.000270896	0.00092099
2091 Sep	52.41468811	0.053499848	0.008943253	0.001024761	12.3978281	0.03707096	4.437066555	0.001024761	0.001024761	5.12381E-06	0.006641214	0.001200561	0.011676745	0.019597869	5.12381E-06	17.23101616	1.21217E-05	0.000240687	0.000199714	0.000881665
2091 Oct	50.97095108	0.074894786	0.007337851	0.000991618	12.39946938	0.03906785	4.621770859	0.000991618	0.000991618	4.95809E-06	0.007205188	0.001142885	0.011363197	0.018395657	4.95809E-06	16.44290924	1.30592E-05	0.000221181	0.000171971	0.000905535
2091 Nov	50.35700607	0.086896122	0.006479236	0.000977277	12.44404602	0.040324077	4.739431858	0.000977277	0.000977277	4.88639E-06	0.007541325	0.001115365	0.01123746	0.017796351	4.88639E-06	16.06625938	1.36148E-05	0.000211236	0.000157193	0.000921897
2091 Dec	50.401371	0.087450437	0.00645629	0.000978064	12.46220207	0.0404245	4.750030994	0.000978064	0.000978064	4.89032E-06	0.007563688	0.001115844	0.011248036	0.017797885	4.89032E-06	16.07373238	1.36531E-05	0.000211152	0.000156855	0.000923722
2092 Jan	50.47929764	0.087519228	0.006479593	0.000978253	12.4824934	0.04041978	4.756881237	0.000978253	0.000978253	4.89127E-06	0.007564617	0.001117256	0.011246872	0.017840555	4.89127E-06	16.10669899	1.36616E-05	0.000211536	0.000157626	0.000924655
2092 Feb	50.59041977	0.087588102	0.00651396	0.000978615	12.51085377	0.040412918	4.76623106	0.000978615	0.000978615	4.89307E-06	0.007565548	0.001119326	0.011246391	0.0179014	4.89307E-06	16.15364456	1.36728E-05	0.000212098	0.000158724	0.000925946
2092 Mar	50.7830162	0.087854385	0.006549668	0.000981368	12.55896187	0.040514763	4.783767223	0.000981368	0.000981368	4.90684E-06	0.007585819	0.001123376	0.011275508	0.017981257	4.90684E-06	16.22137642	1.37146E-05	0.000212958	0.000159736	0.000929067
2092 Apr	51.21114731	0.08855737	0.006611006	0.000989096	12.66511059	0.040827148	4.823755741	0.000989096	0.000989096	4.94548E-06	0.007644985	0.001132728	0.011362883	0.018139416	4.94548E-06	16.36163139	1.38245E-05	0.000214783	0.000161312	0.000936673
2092 May	60.22970581	0.085482135	0.010163692	0.00100608	14.67131901	0.03694294	5.408712387	0.00100608	0.00100608	5.0304E-06	0.007546575	0.001298833	0.010905383	0.023469118	5.0304E-06	20.28554535	1.56179E-05	0.000268232	0.000268153	0.001016901
2092 Jun	55.59055328	0.0357043	0.01276225	0.000941638	11.83053398	0.019734489	4.061951637	0.000941638	0.000941638	4.70819E-06	0.006712043	0.001206168	0.008870365	0.022873521	4.70819E-06	18.8331337	2.02961E-05	0.000287063	0.00031264	0.00083432
2092 Jul	46.04522324	0.023111075	0.009720781	0.000996585	9.113443375	0.022658791	3.179122221	0.000996585	0.000996585	4.98293E-06	0.006988441	0.001078784	0.009457554	0.017440518	4.98293E-06	14.53728485	1.9982E-05	0.000235994	0.000205261	0.000759115
2092 Aug	48.17858887	0.026758226	0.009719686	0.00105266	9.850093842	0.026936315	3.459810257	0.00105266	0.00105266	5.2633E-06	0.007148223	0.001142298	0.010321785	0.018117294	5.2633E-06	15.25969505	1.88473E-05	0.000240486	0.000202809	0.0008094
2092 Sep	48.59984207	0.039602004	0.008802453	0.001044533	10.55317307	0.031603888	3.771126747	0.001044533	0.001044533	5.22267E-06	0.007106753	0.001139359	0.01097087	0.017834848	5.22267E-06	15.41350174	1.64246E-05	0.000232895	0.00018366	0.000830483
2092 Oct	49.01861572	0.056142781	0.007946005	0.001025306	11.0903101	0.034323692	4.074128151	0.001025306	0.001025306	5.12653E-06	0.007364791	0.00112733	0.011018353	0.017689066	5.12653E-06	15.50859165	1.60001E-05	0.000224795	0.000172757	0.000862592
2092 Nov	49.19562912	0.060312301	0.007746092	0.001022144	11.23954105	0.035048921	4.155066967	0.001022144	0.001022144	5.11072E-06	0.007439887	0.001126066	0.011047214	0.017679185	5.11072E-06	15.55510998	1.59196E-05	0.000223131	0.000170308	0.000871832
2092 Dec	49.24548721	0.060479958	0.007747796	0.001022997	11.25386238	0.035100643	4.161056042	0.001022997	0.001022997	5.11498E-06	0.007448738	0.001127064	0.011058133	0.017695112	5.11498E-06	15.57061577	1.59321E-05	0.000223291	0.000170398	0.00087288
2093 Jan	49.29706955	0.060555961	0.007761263	0.001023073	11.26832962	0.035103999	4.166154385	0.001023073	0.001023073	5.11536E-06	0.007449537	0.001127962	0.011057688	0.017722661	5.11536E-06	15.59240627	1.59351E-05	0.000223524	0.000170877	0.000873542
2093 Feb	49.37296677	0.060617622	0.007783231	0.00102339	11.28795147	0.035105642	4.172753334	0.00102339	0.00102339	5.11695E-06	0.007450971	0.001129383	0.011058631	0.017763004	5.11695E-06	15.62391949	1.59429E-05	0.000223898	0.000171583	0.000874472
2093 Mar	49.60990524	0.060891245	0.007826068	0.001027612	11.34336758	0.035245422	4.192879677	0.001027612	0.001027612	5.13806E-06	0.007481235	0.00113463	0.011102899	0.017855396	5.13806E-06	15.70300961	1.60103E-05	0.000224989	0.000172649	0.000878441
2093 Apr	50.04650497	0.061417203	0.007898089	0.001036261	11.4439106	0.035539139	4.229837894	0.001036261	0.001036261	5.1813E-06	0.007543921	0.001144517	0.011195559	0.018016636	5.1813E-06	15.84356308	1.61459E-05	0.000226978	0.000174307	0.000886041
2093 May	59.72030258	0.063930914	0.011348571	0.00104296	13.7997461	0.032539476	4.966561794	0.00104296	0.00104296	5.2148E-06	0.007456333	0.00131525	0.010738328	0.023623545	5.2148E-06	20.06007004	1.75302E-05	0.00028033	0.000283627	0.000980195
2093 Jun	63.05184174	0.043410342	0.01478778	0.000970698	13.85137749	0.020572815	4.75676775	0.000970698	0.000970698	4.85349E-06	0.006825266	0.001346907	0.008991563	0.026827216	4.85349E-06	21.95129585	2.06426E-05	0.000321742	0.000379916	0.000930722
2093 Jul	57.47202301	0.03511193	0.012842563	0.001032592	12.26906013	0.023970516	4.269896507	0.001032592	0.001032592	5.16296E-06	0.007062524	0.001296019	0.009507837	0.023628436	5.16296E-06	19.39076614	2.01219E-05	0.000287716	0.000311075	0.000909052
2093 Aug	56.38187027	0.034808513	0.011979004	0.001073981	12.23171997	0.028556671	4.312867165	0.001073981	0.001073981	5.36991E-06	0.00700854	0.001316829	0.01003211	0.022931891	5.36991E-06	18.91617966	1.79976E-05	0.000272059	0.000284315	0.000936042
2093 Sep	54.95555115	0.052147735	0.010275983	0.001055355	12.41997147	0.03283463	4.495125771	0.001055355	0.001055355	5.27678E-06	0.007260378	0.001264882	0.010559054	0.021453658	5.27678E-06	18.15666962	1.67133E-05	0.000254626	0.000244582	0.00094148
2093 Oct	51.27560425	0.083930731	0.007142745	0.000986041	12.40244579	0.038201626	4.723627567	0.000986041	0.000986041	4.9302E-06	0.007683474	0.001140283	0.010761786	0.018576328	4.9302E-06	16.44545555	1.525E-05	0.000217825	0.000177375	0.000937927
2093 Nov	50.91625595	0.092649922	0.006443358	0.0009801	12.52952957	0.03995771	4.830260754	0.0009801	0.0009801	4.9005E-06	0.007873269	0.001122013	0.010933206	0.018061357	4.9005E-06	16.19664192	1.50556E-05	0.000211056	0.000162534	0.000947306
2093 Dec	50.96803284	0.092815571	0.006444898	0.000981109	12.54390812	0.04001407	4.836245537	0.000981109	0.000981109	4.90554E-06	0.007883171	0.001123077	0.010946266	0.01807674	4.90554E-06	16.21206856	1.50703E-05	0.000211231	0.000162593	0.000948394
2094 Jan	51.0424118	0.092878453	0.006466435	0.000981388	12.56326771	0.040015087	4.842753887	0.000981388	0.000981388	4.90694E-06	0.00788442	0.001124453	0.010947006	0.018116366	4.90694E-06	16.24306297	1.50775E-05	0.000211597	0.00016329	0.000949294
2094 Feb	51.13467026	0.092925966	0.006496076	0.000981603	12.58688736	0.040005006	4.850429535	0.000981603	0.000981603	4.90802E-06	0.007884229	0.001126155	0.010945612	0.018167933	4.90802E-06	16.28265381	1.5085E-05	0.000212071	0.000164237	0.000950317
2094 Mar	51.28787994	0.093138784	0.006525321	0.000983695	12.62509537	0.040079959	4.864374161	0.000983695	0.000983695	4.91847E-06	0.00789998	0.00112935	0.010966863	0.018232623	4.91847E-06	16.33701515	1.51194E-05	0.000212756	0.000165085	0.000952787
2094 Apr	51.60771179	0.093682036	0.006571616	0.000989343	12.70411015	0.04030418	4.894372463	0.000989343	0.000989343	4.94671E-06	0.007944738	0.001136289	0.011028644	0.018352197	4.94671E-06	16.44208717	1.52075E-05	0.000214112	0.000166318	0.000958512
2094 May	63.53830719	0.08551728	0.01164113	0.000992109	15.34231377	0.033851344	5.618955612	0.000992109	0.000992109	4.96055E-06	0.007535425	0.001352998	0.010209614	0.025681732	4.96055E-06	21.79409981	1.70976E-05	0.000287818	0.000317592	0.001047965
2094 Jun	74.27588654	0.058357291	0.017660623	0.001005637	16.99069786	0.022233615	5.860014915	0.001005637	0.001005637	5.02818E-06	0.007014652	0.001553471	0.009123222	0.032744292	5.02818E-06	26.65175629	2.10077E-05	0.000371789	0.000479542	0.001080324

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2094 Jul	71.83460236	0.052795038	0.016608587	0.001086359	16.14534569	0.025413187	5.609154701	0.001086359	0.001086359	5.4318E-06	0.007435215	0.001554229	0.0098387	0.031026665	5.4318E-06	25.29544449	2.13819E-05	0.000355729	0.000436847	0.001090111
2094 Aug	74.07158661	0.054043531	0.016721897	0.001170481	16.70583534	0.029490435	5.838554859	0.001170481	0.001170481	5.8524E-06	0.007812697	0.001634277	0.010694478	0.031747859	5.8524E-06	25.94719505	2.12931E-05	0.000360977	0.000434917	0.00115383
2094 Sep	66.83096313	0.069500141	0.013192559	0.00111645	15.51733303	0.03412319	5.583808422	0.00111645	0.00111645	5.58225E-06	0.007904685	0.001471889	0.011032348	0.027240869	5.58225E-06	22.8322506	1.89711E-05	0.000311932	0.000341198	0.001094725
2094 Oct	59.00603867	0.085264362	0.009621663	0.001041807	14.16342831	0.037611887	5.28102684	0.001041807	0.001041807	5.20904E-06	0.007950377	0.001292314	0.011003541	0.022616114	5.20904E-06	19.54833794	1.69331E-05	0.000260091	0.000249499	0.001027002
2094 Nov	54.2144928	0.095363796	0.007394915	0.000997488	13.34253597	0.039903019	5.102181911	0.000997488	0.000997488	4.98744E-06	0.007998597	0.001182355	0.011013199	0.019754816	4.98744E-06	17.52446365	1.56906E-05	0.000228044	0.000192279	0.000986804
2094 Dec	54.01433945	0.095814899	0.007299306	0.000995722	13.30878735	0.040008642	5.095140934	0.000995722	0.000995722	4.97861E-06	0.008001905	0.00117776	0.011015335	0.019633409	4.97861E-06	17.43909454	1.5639E-05	0.000226686	0.00018982	0.000985206
2095 Jan	54.09981537	0.095888399	0.007323857	0.000996056	13.33109379	0.040010978	5.102657795	0.000996056	0.000996056	4.98028E-06	0.008003393	0.001179348	0.01101636	0.019678837	4.98028E-06	17.4746685	1.5647E-05	0.000227105	0.000190615	0.00098625
2095 Feb	54.20930481	0.095945194	0.007358938	0.000996319	13.3591423	0.039999608	5.11178112	0.000996319	0.000996319	4.98159E-06	0.008003202	0.001181373	0.011014808	0.019739971	4.98159E-06	17.52162361	1.56558E-05	0.000227666	0.000191736	0.000987469
2095 Mar	54.33209229	0.096087694	0.007386649	0.000997619	13.38998413	0.040039871	5.122703075	0.000997619	0.000997619	4.9881E-06	0.008012396	0.001183851	0.011026758	0.019796301	4.9881E-06	17.56762886	1.56788E-05	0.000228237	0.000192572	0.000989283
2095 Apr	54.75544357	0.096793555	0.007450528	0.001004846	13.49465084	0.040323038	5.162243366	0.001004846	0.001004846	5.02423E-06	0.008069714	0.001192962	0.011105234	0.0199572	5.02423E-06	17.70813179	1.57938E-05	0.000230047	0.000194302	0.000996748
2095 May	68.07804871	0.085864201	0.013269729	0.001002725	16.40919304	0.032526396	5.945427895	0.001002725	0.001002725	5.01362E-06	0.00753069	0.001435179	0.010087707	0.028257446	5.01362E-06	23.73621178	1.7867E-05	0.000313536	0.000367377	0.001091652
2095 Jun	78.83992767	0.066451088	0.018643705	0.00102501	18.32197762	0.023694731	6.345027924	0.00102501	0.00102501	5.12505E-06	0.007158098	0.001638208	0.009292143	0.035037648	5.12505E-06	28.51998901	2.10481E-05	0.000390432	0.000515407	0.001147402
2095 Jul	77.33029938	0.061903629	0.017838163	0.00110292	17.82384109	0.027398819	6.22676897	0.00110292	0.00110292	5.5146E-06	0.007455172	0.001663939	0.009868294	0.034003261	5.5146E-06	27.65998077	2.07796E-05	0.000375806	0.00048385	0.001176923
2095 Aug	63.91801071	0.050867245	0.013416252	0.001067718	14.89056778	0.032713484	5.280472279	0.001067718	0.001067718	5.33859E-06	0.0067021	0.00145655	0.010221109	0.027008027	5.33859E-06	22.32408142	1.51254E-05	0.000296736	0.000345472	0.001046995
2095 Sep	58.82287979	0.054823235	0.011073499	0.001055202	13.99188137	0.036782194	4.993904114	0.001055202	0.001055202	5.27601E-06	0.00662799	0.001346474	0.011231839	0.02352575	5.27601E-06	20.05382347	1.26305E-05	0.000268398	0.000270732	0.000980735
2095 Oct	57.85218811	0.062901638	0.010268647	0.001047479	13.87660599	0.037859663	5.021433353	0.001047479	0.001047479	5.2374E-06	0.006891687	0.001315232	0.01127955	0.022707332	5.2374E-06	19.52080727	1.30056E-05	0.000259516	0.000252448	0.000983011
2095 Nov	55.48679733	0.076048665	0.008758483	0.0010218	13.51175308	0.039271716	5.008626461	0.0010218	0.0010218	5.109E-06	0.007263415	0.001245751	0.01122917	0.021024419	5.109E-06	18.3682785	1.34922E-05	0.0002411	0.000217876	0.000975191
2095 Dec	55.2568512	0.077746168	0.008582406	0.001019781	13.48170948	0.039489258	5.012531281	0.001019781	0.001019781	5.0989E-06	0.007317061	0.001238586	0.011235543	0.020840511	5.0989E-06	18.24670219	1.35665E-05	0.0002391	0.00021386	0.000975302
2096 Jan	55.34682846	0.077860571	0.008606895	0.001020031	13.50558662	0.039490063	5.020832539	0.001020031	0.001020031	5.10015E-06	0.00731958	0.001240165	0.011235395	0.02088787	5.10015E-06	18.2839241	1.35786E-05	0.00023953	0.000214693	0.00097643
2096 Feb	55.49410248	0.077976182	0.008649314	0.001020743	13.54317474	0.039494552	5.033463001	0.001020743	0.001020743	5.10371E-06	0.007323151	0.001242945	0.011238215	0.020965327	5.10371E-06	18.34449005	1.35964E-05	0.00024026	0.000216041	0.000978247
2096 Mar	55.63047409	0.078118242	0.008681134	0.001022168	13.57734966	0.039537154	5.045437336	0.001022168	0.001022168	5.11084E-06	0.007332536	0.001245717	0.011251178	0.021028686	5.11084E-06	18.39601898	1.36199E-05	0.000240901	0.000216992	0.000980229
2096 Apr	56.04064178	0.078666478	0.008751051	0.001029098	13.67795563	0.039798196	5.082416534	0.001029098	0.001029098	5.14549E-06	0.007381781	0.001254744	0.011325933	0.021190356	5.14549E-06	18.53526115	1.37148E-05	0.000242705	0.000218826	0.00098722
2096 May	63.64544296	0.07744284	0.011742018	0.001033968	15.37944221	0.036102176	5.582813263	0.001033968	0.001033968	5.16984E-06	0.007313945	0.001387449	0.01084744	0.025686964	5.16984E-06	21.85009766	1.54299E-05	0.000288161	0.000310378	0.001051883
2096 Jun	46.57691193	0.025935594	0.010105412	0.00094687	9.270417213	0.019989638	3.190845728	0.00094687	0.00094687	4.73435E-06	0.00687206	0.001047588	0.009186035	0.017740076	4.73435E-06	14.84125042	2.05211E-05	0.000245184	0.00021958	0.000728674
2096 Jul	43.89063644	0.020194687	0.009026572	0.00102319	8.327086449	0.022690592	2.89840126	0.00102319	0.00102319	5.11595E-06	0.007314006	0.001037933	0.009893959	0.015855812	5.11595E-06	13.36398411	2.11547E-05	0.000229483	0.000175321	0.000729636
2096 Aug	46.79795456	0.024274189	0.009244922	0.001088471	9.21726799	0.026929839	3.228679895	0.001088471	0.001088471	5.44235E-06	0.007558185	0.001115804	0.010829206	0.016875617	5.44235E-06	14.35899258	2.03973E-05	0.000238519	0.000178701	0.000789114
2096 Sep	47.85246658	0.050656896	0.007858204	0.001047301	10.47221661	0.033084985	3.830694675	0.001047301	0.001047301	5.23651E-06	0.007587492	0.001108187	0.011161764	0.016909286	5.23651E-06	14.84572983	1.74316E-05	0.000224715	0.000161494	0.000840567
2096 Oct	49.116745	0.086107038	0.006173346	0.000992669	11.84229374	0.039106984	4.552142143	0.000992669	0.000992669	4.96335E-06	0.007925383	0.001091172	0.011132997	0.016988285	4.96335E-06	15.34416294	1.56205E-05	0.000207494	0.000145363	0.000913188
2096 Nov	49.58152008	0.091119915	0.005995795	0.000992414	12.08784389	0.040128641	4.671310902	0.000992414	0.000992414	4.96207E-06	0.008020738	0.001095933	0.011204554	0.017099192	4.96207E-06	15.49973679	1.54947E-05	0.000206603	0.000144073	0.000928167
2096 Dec	49.60501862	0.0912029	0.005996385	0.000992795	12.09483433	0.040153921	4.674245358	0.000992795	0.000992795	4.96397E-06	0.008024749	0.0010964	0.011209573	0.017106801	4.96397E-06	15.50716782	1.54995E-05	0.000206674	0.000144115	0.000928668
2097 Jan	49.66326523	0.091246687	0.006014356	0.000992892	12.11021709	0.040149599	4.679355621	0.000992892	0.000992892	4.96446E-06	0.008024623	0.001097457	0.011208463	0.017139301	4.96446E-06	15.53225613	1.55031E-05	0.000206963	0.000144707	0.000929336
2097 Feb	49.73611069	0.091277033	0.006038934	0.00099295	12.1289978	0.040136289	4.685380459	0.00099295	0.00099295	4.96475E-06	0.008023435	0.001098781	0.011205813	0.017181389	4.96475E-06	15.56426716	1.55073E-05	0.000207341	0.000145501	0.000930102
2097 Mar	49.83750916	0.091406614	0.006059846	0.00099421	12.15427876	0.040178698	4.69447422	0.00099421	0.00099421	4.97105E-06	0.008032718	0.001100865	0.011218236	0.017225666	4.97105E-06	15.60103512	1.55289E-05	0.000207805	0.000146115	0.000931672
2097 Apr	50.29840088	0.092219464	0.006120831	0.001002966	12.26699924	0.040527616	4.737625599	0.001002966	0.001002966	5.01483E-06	0.008102939	0.001110956	0.011315992	0.017390287	5.01483E-06	15.74820805	1.56667E-05	0.00020975	0.000147649	0.000940101
2097 May	59.79346085	0.088473953	0.009860166	0.001020113	14.41773796	0.036709912	5.360570908	0.001020113	0.001020113	5.10056E-06	0.00792979	0.001287376	0.010887413	0.023014873	5.10056E-06	19.90776062	1.71695E-05	0.00026581	0.000259691	0.001023251
2097 Jun	67.62863922	0.053624805	0.015585758	0.000997273	15.21767807	0.022741774	5.272001266	0.000997273	0.000997273	4.98637E-06	0.007074734	0.001431933	0.009288273	0.028984725	4.98637E-06	23.75818634	2.07612E-05	0.000339066	0.000410818	0.001004173
2097 Jul	64.58204651	0.047009982	0.014398772	0.001071713	14.25344849	0.025993766	4.985006332	0.001071713	0.001071713	5.35857E-06	0.007392842	0.001426187	0.009886781	0.027079627	5.35857E-06	22.21928024	2.07103E-05	0.000318727	0.000365023	0.001009978
2097 Aug	62.34745026	0.045207318	0.01326931	0.001104445	13.90407467	0.030195609	4.911474228	0.001104445	0.001104445	5.52222E-06	0.00729053	0.001422115	0.01038972	0.025780715	5.52222E-06	21.27867699	1.85115E-05	0.000298698	0.000328888	0.001017295
2097 Sep	61.58286285	0.051444948	0.012411362	0.001111585	13.94891453	0.032927182	4.968367577	0.001111585	0.001111585	5.55792E-06	0.007415638	0.00140296	0.010913346	0.024916304	5.55792E-06	20.83179855	1.76478E-05	0.000290585	0.000304555	0.001018499
2097 Oct	58.1046524	0.067753263	0.010273324	0.001067579	13.55587673	0.035795353	4.96712923	0.001067579	0.001067579	5.33789E-06	0.007629273	0.001307714	0.010981045	0.022574103	5.33789E-06	19.28687859	1.67533E-05	0.000263064	0.000254461	0.000999699
2097 Nov	56.47548294	0.07453756	0.009335295	0.001046198	13.35419273	0.03693198	4.954150677	0.001046198	0.001046198	5.23099E-06	0.007701557	0.001263844	0.010983092	0.021518137	5.23099E-06	18.57935524	1.63297E-05	0.000250664	0.00023244	0.000989202
2097 Dec	56.22026825	0.075430967	0.009200971	0.00104269	13.31911373	0.037068687	4.949656963	0.00104269	0.00104269	5.21345E-06	0.007707337	0.001257116	0.010977454	0.021360911	5.21345E-06	18.47173882	1.62624E-05	0.000248819	0.000229278	0.000987219
2098 Jan	56.3086586	0.07555075	0.009224733	0.001042821	13.34361076	0.037071869	4.958159447	0.001042821	0.001042821	5.2141E-06	0.007708529	0.001258641	0.010977017	0.02140804	5.2141E-06	18.509058	1.62681E-05	0.000249232	0.000230105	0.000988303
2098 Feb	56.43280411	0.075633235	0.009263993	0.001043006	13.37605286	0.037058346	4.968812466	0.001043006	0.001043006	5.21503E-06	0.007708003	0.00126088	0.010974351	0.021477632	5.21503E-06	18.56264687	1.62767E-05	0.000249861	0.000231387	0.00098968
2098 Mar	56.54065323	0.075731993	0.009292003	0.001043848	13.40326405	0.037077293	4.97815752	0.001043848	0.001043848	5.21924E-06	0.007713192	0.001262998	0.010980695	0.021530876	5.21924E-06	18.60508347	1.6293E-05	0.000250382	0.000232251	0.000991135
2098 Apr	58.52099609	0.077089719	0.009908866	0.001047852	13.91928959	0.036908925	5.148244858	0.001047852	0.001047852	5.23926E-06	0.007713489	0.001298979	0.010951519	0.022629891	5.23926E-06	19.45358849	1.64441E-05	0.000260374	0.000252315	0.001013495
2098 May	74.20407867	0.076367207	0.016007554	0.001030226	17.68135834	0.029880565	6.268300056	0.001030226	0.001030226	5.15113E-06	0.00726141	0.001567788	0.009859699	0.032076977	5.15113E-06	26.48019791	1.84511E-05	0.00035145	0.000443689	0.001143061
2098 Jun	66.14801025	0.04621198	0.015816851	0.000958058	14.73124123	0.019867869	5.049690723	0.000958058	0.000958058	4.79029E-06	0.006689891	0.001398703	0.00871734	0.028718647	4.79029E-06	23.3867836	2.0523E-05	0.000336665	0.000416475	0.000963057
2098 Jul	64.69288635	0.041910157	0.015005286	0.001051459	14.05745411	0.022873366	4.847578049	0.001051459	0.001051459	5.25729E-06	0.007289926	0.001410993	0.009636034	0.027301041	5.25729E-06	22.31773567	2.16723E-05	0.000327904	0.000378825	0.000979136
2098 Aug	58.3730545	0.042036723	0.012170136	0.001049296	13.12457752	0.030049555	4.587462425	0.001049296	0.001049296	5.24648E-06	0.006793259	0.001322608	0.010594372	0.02360658	5.24648E-06	19.79244995	1.63289E-05	0.000282999	0.000292169	0.000932779
2098 Sep	52.47310257	0.069028005	0.008324184	0.000995122	12.57156563	0.037000652	4.626327038	0.000995122	0.000995122	4.97561E-06	0.007096244	0.001175466	0.011117348	0.019493651	4.97561E-06	17.15080833	1.37063E-05	0.000233598	0.000198042	0.000909622
2098 Oct	50.80137634	0.090992257	0.006480684	0.000970714	12.578022	0.040087428	4.816805363	0.000970714	0.000970714	4.85357E-06	0.007673567	0.001116571	0.011057169	0.018019171	4.85357E-06	16.2249794	1.41984E-05	0.000211865	0.000161842	0.000933775
2098 Nov	50.52415848	0.095297225	0.006127696	0.000967355	12.59022713	0.040743578	4.857740879	0.000967355	0.000967355	4.83677E-06	0.007793717	0.001106381	0.011062924	0.017746368	4.83677E-06	16.05870628	1.43031E-05	0.000207853	0.000154832	0.000939374
2098 Dec	50.5731163	0.095448568	0.0061297	0.00096832	12.60342026	0.040794022	4.863274574	0.00096832	0.00096832	4.8416E-06	0.007803278	0.001107404	0.011074515	0.017761381	4.8416E-06	16.07329369	1.43192E-05	0.000208019	0.000154905	0.000940416
2099 Jan	50.64994812	0.095511243	0.006151914	0.000968654	12.62316895	0.040795475	4.869927883	0.000968654	0.000968654	4.84327E-06	0.007804928	0.001108845	0.011075481	0.017802127	4.84327E-06	16.10508919	1.4328E-05	0.000208398	0.000155618	0.000941363
2099 Feb	50.74823761	0.095568873	0.006182321	0.000968999	12.64818287	0.040790174	4.878150463	0.000968999	0.000968999	4.845E-06	0.007805786	0.001110687	0.011075423	0.017855788	4.845E-06	16.14653015	1.43378E-05	0.000208897	0.000156584	0.000942505
2099 Mar	50.9404335	0.095860764	0.006215868	0.000971827	12.69637012	0.040898327	4.895952225	0.000971827	0.000971827	4.85914E-06	0.007827511	0.001114723	0.011105546	0.017933901	4.85914E-06	16.21327209	1.43822E-05	0.00020974	0.000157541	0.000945698
2099 Apr	54.38672638	0.09791337	0.007277635	0.000984282	13.57341957	0.040732555	5.184588432	0.000984282	0.000984282	4.92141E-06	0.007860894	0.001179361	0.01110848	0.019810995	4.92141E-06	17.66399193	1.47283E-05	0.000227214	0.000191247	0.000985877
2099 May	88.47229004	0.081223495	0.021383332	0.000974038	21.38287926	0.02366285	7.41101408	0.000974038	0.000974038	4.87019E-06	0.006636177	0.001797542	0.008566119	0.040837415	4.87019E-06	33.0500679	1.92469E-05	0.000430639	0.000621593	0.001260177
2099 Jun	74.19557953	0.056155872	0.017956272	0.000977215	16.98837471	0.020765644	5.833496571	0.000977215	0.000977215	4.88607E-06	0.0067529	0.001545623	0.008753927	0.033030849	4.88607E-06	26.80043793	2.06324E-05	0.000373122	0.000490311	0.001066389
2099 Jul	69.99057007	0.049073592	0.016344128	0.001055338	15.72489738	0.024481375	5.454566956	0.001055338	0.001055338	5.27669E-06	0.007111934	0.001521569	0.009433219	0.03043559	5.27669E-06	24.73727417	2.05E-05	0.000346255	0.000430628	0.001062955
2099 Aug	67.39547729	0.05017652	0.014730031	0.001096668	15.39226627	0.030252766	5.372491837	0.001096668	0.001096668	5.48334E-06	0.007113782	0.001496373	0.010630267	0.028390616	5.48334E-06	23.47830963	1.7866E-05	0.000326234	0.00037548	0.001053774
2099 Sep	58.3570137	0.062954918	0.010629367	0.001036356	13.8491497	0.035820995	4.976965427	0.001036356	0.001036356	5.18178E-06	0.007004234	0.001302567	0.011225203	0.022864485	5.18178E-06	19.65972137	1.42733E-05	0.00026836	0.000261121	0.000966372
2099 Oct	54.64054108	0.081948303	0.0082846	0.001000198	13.32290649	0.038626593	4.973670006	0.001000198	0.001000198	5.00099E-06	0.007468046	0.001205049	0.01113336	0.020351874	5.00099E-06	17.91941833	1.43757E-05	0.000237522	0.000207679	0.000960414
2099 Nov	53.18538284	0.088326521	0.007440554	0.000985018	13.10029984	0.039509203	4.95796442	0.000985018	0.000985018	4.92509E-06	0.007609664	0.001167654	0.011073877	0.019413309	4.92509E-06	17.25876236	1.4369E-05	0.000226069	0.00018832	0.000955627
2099 Dec	53.22610474	0.088481553	0.007439866	0.000985892	13.11168003	0.039559104	4.962952614	0.000985892	0.000985892	4.92946E-06	0.007618981	0.001168495	0.011084815	0.019424101	4.92946E-06	17.27009392	1.43838E-05	0.000226189	0.000188322	0.000956571
2100 Jan	53.28736496	0.088536769	0.007458215	0.000986013	13.1277895	0.039555226	4.968386173	0.000986013	0.000986013	4.93007E-06	0.007619471	0.001169596	0.011083744	0.019457804	4.93007E-06	17.29616356	1.43896E-05	0.00022649	0.000188933	0.000957296
2100 Feb	53.37099075	0.088579871	0.007485522	0.000986149	13.14925766	0.03954326	4.975357533	0.000986149	0.000986149	4.93075E-06	0.007618949	0.001171124	0.011081561	0.01950518	4.93075E-06	17.33236694	1.43963E-05	0.000226921	0.000189814	0.000958211
2100 Mar	53.44578552	0.088651799	0.007504515	0.000986762	13.16815758	0.039558336	4.981881142	0.000986762	0.000986762	4.93381E-06	0.007622827	0.001172597	0.011086424	0.01954169	4.93381E-06	17.36159706	1.44078E-05	0.000227279	0.000190399	0.000959234
2100 Apr	53.99229813	0.089528285	0.007586142	0.00099641	13.30308151	0.039939646	5.03256464	0.00099641	0.00099641	4.98205E-06	0.007696865	0.001184491	0.011193655	0.019746792	4.98205E-06	17.54196739	1.45501E-05	0.000229627	0.000192529	0.000968858
2100 May	72.0650177	0.07951434	0.015151362	0.001002563	17.28493118	0.030194227	6.150937557	0.001002563	0.001002563	5.01282E-06	0.007216533	0.001511237	0.009879188	0.030799827	5.01282E-06	25.59572792	1.79254E-05	0.000339994	0.000420445	0.001112094
2100 Jun	61.93416595	0.042739112	0.01456966	0.000946525	13.61433697	0.019889617	4.673408031	0.000946525	0.000946525	4.73263E-06	0.006667214	0.001320288	0.008745645	0.026406871	4.73263E-06	21.59370613	2.02622E-05	0.000316283	0.000375366	0.000911855
2100 Jul	53.40189362	0.031710286	0.011892224	0.000989104	11.17319679	0.022042451	3.871739864	0.000989104	0.000989104	4.94552E-06	0.00691197	0.001199738	0.009247501	0.021532845	4.94552E-06	17.75305939	2.01438E-05	0.000272004	0.000280525	0.000838225
2100 Aug	49.22682571	0.034722902	0.009538974	0.000991834	10.9522419	0.030366711	3.866640091	0.000991834	0.000991834	4.95917E-06	0.006320693	0.001157314	0.010255639	0.019046362	4.95917E-06	16.19986725	1.40153E-05	0.000234274	0.000212166	0.000825388
2100 Sep	48.87081528	0.045369949	0.008379651	0.000997702	11.37679577	0.03531941	4.063127995	0.000997702	0.000997702	4.98851E-06	0.006358454	0.001140601	0.011221058	0.018131133	4.98851E-06	15.92110634	1.17506E-05	0.000225234	0.00018018	0.000831507
2100 Oct	49.47330475	0.055737566	0.00794962	0.000999431	11.68488216	0.036747325	4.247150421	0.000999431	0.000999431	4.99715E-06	0.00669575	0.001140849	0.011285056	0.018130761	4.99715E-06	16.02528381	1.23208E-05	0.000222824	0.000175152	0.000858762
2100 Nov	49.70608902	0.058011252	0.007877504	0.001001984	11.77427864	0.037124764	4.294603825	0.001001984	0.001001984	5.00992E-06	0.006780441	0.001143391	0.011323188	0.018169979	5.00992E-06	16.08171272	1.24659E-05	0.000222808	0.000174483	0.000866295
2100 Dec	49.77941895	0.058218155	0.007882515	0.001003333	11.79372311	0.037191901	4.302595615	0.001003333	0.001003333	5.01667E-06	0.006793655	0.001144907	0.011338999	0.018193997	5.01667E-06	16.10429001	1.24895E-05	0.000223072	0.00017465	0.000867784
2101 Jan	49.84354401	0.058313247	0.007898188	0.001003648	11.81077766	0.037200689	4.308696747	0.001003648	0.001003648	5.01824E-06	0.006796725	0.001146072	0.011340559	0.018226229	5.01824E-06	16.12997246	1.24995E-05	0.000223365	0.000175186	0.00086867
2101 Feb	49.91207123	0.05836596	0.007919478	0.001003765	11.82859707	0.037193432	4.314630032	0.001003765	0.001003765	5.01882E-06	0.00679695	0.001147305	0.01133893	0.018264418	5.01882E-06	16.15933418	1.25062E-05	0.000223708	0.000175888	0.000869456
2101 Mar	49.9708786	0.058419742	0.007934501	0.001004258	11.84339619	0.037205376	4.319717884	0.001004258	0.001004258	5.02129E-06	0.006799981	0.00114847	0.011342889	0.018293105	5.02129E-06	16.18229485	1.25152E-05	0.000223992	0.000176347	0.000870258
2101 Apr	50.34900284	0.058822911	0.008009312	0.001010069	11.93525219	0.037404198	4.352417469	0.001010069	0.001010069	5.05034E-06	0.006838522	0.001156675	0.011404334	0.018450122	5.05034E-06	16.31491661	1.25949E-05	0.000225738	0.000178334	0.000876265
2101 May	68.64517212	0.063831069	0.014754933	0.0010109	16.22702599	0.029698046	5.695237637	0.0010109	0.0010109	5.0545E-06	0.006802393	0.001470395	0.010119456	0.029195158	5.0545E-06	24.2776413	1.66011E-05	0.000328912	0.000393846	0.001051263

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2101 Jun	68.24774933	0.048853252	0.016261162	0.000975331	15.33385372	0.020908454	5.261638165	0.000975331	0.000975331	4.87666E-06	0.006752959	0.001441735	0.008933355	0.029721335	4.87666E-06	24.22452736	2.03891E-05	0.000345508	0.00043071	0.000993835
2101 Jul	68.20697021	0.046270128	0.015939046	0.001059615	15.02156448	0.023084989	5.167809963	0.001059615	0.001059615	5.29807E-06	0.007347776	0.001468253	0.009783963	0.029060682	5.29807E-06	23.7641201	2.18795E-05	0.000345848	0.000409172	0.001015947
2101 Aug	69.77396393	0.048055068	0.015877731	0.001123103	15.47596741	0.026736369	5.35003233	0.001123103	0.001123103	5.61552E-06	0.007616922	0.001523814	0.010594774	0.029429818	5.61552E-06	24.18890381	2.14609E-05	0.000349004	0.00040277	0.001060496
2101 Sep	60.66402054	0.062968791	0.011501764	0.001064052	14.10274029	0.033995889	5.042654514	0.001064052	0.001064052	5.32026E-06	0.007414268	0.001338144	0.011262219	0.023891427	5.32026E-06	20.39987373	1.67689E-05	0.000285732	0.000283391	0.000986508
2101 Oct	58.24572754	0.074253939	0.009978959	0.001042644	13.80584145	0.036298819	5.049837589	0.001042644	0.001042644	5.21322E-06	0.007622522	0.001280027	0.011271524	0.022293806	5.21322E-06	19.30722427	1.6287E-05	0.000264972	0.000248003	0.000983334
2101 Nov	55.02897644	0.08536692	0.008252025	0.001008524	13.33554459	0.038341515	5.000479221	0.001008524	0.001008524	5.04262E-06	0.007759014	0.001204153	0.011158565	0.020348074	5.04262E-06	17.93119621	1.55949E-05	0.000240002	0.000207634	0.000968971
2101 Dec	54.72786713	0.087202862	0.008028579	0.001006599	13.30674553	0.038746268	5.007852554	0.001006599	0.001006599	5.03299E-06	0.007801209	0.001196792	0.011175231	0.020128155	5.03299E-06	17.78597069	1.55412E-05	0.000237123	0.000202446	0.000969727
2102 Jan	54.80728149	0.087277301	0.008052608	0.001006663	13.32811928	0.038740136	5.015069485	0.001006663	0.001006663	5.03332E-06	0.007801013	0.001198204	0.011172846	0.020172736	5.03332E-06	17.82037544	1.55459E-05	0.000237508	0.000203261	0.000970656
2102 Feb	54.92800903	0.087345719	0.008091204	0.001006911	13.35924149	0.038726959	5.025243759	0.001006911	0.001006911	5.03455E-06	0.007800674	0.001200424	0.011170524	0.020240461	5.03455E-06	17.87233162	1.55553E-05	0.000238122	0.000204507	0.000972007
2102 Mar	55.03209305	0.087444119	0.008117842	0.001007751	13.38551235	0.038746957	5.034293652	0.001007751	0.001007751	5.03876E-06	0.007805959	0.001202471	0.011177093	0.020291436	5.03876E-06	17.91308403	1.55713E-05	0.000238623	0.000205327	0.000973423
2102 Apr	55.30584335	0.087840609	0.008164707	0.001012152	13.45264435	0.038909081	5.059064865	0.001012152	0.001012152	5.06076E-06	0.007839344	0.001208322	0.011224321	0.020399611	5.06076E-06	18.00613785	1.56411E-05	0.000239839	0.000206597	0.00097802
2102 May	56.5512886	0.089708	0.008363182	0.001033897	13.75487804	0.0397183	5.171599865	0.001033897	0.001033897	5.16949E-06	0.008006095	0.001235317	0.011461473	0.020872762	5.16949E-06	18.41861153	1.59852E-05	0.000245328	0.000211743	0.000999515
2102 Jun	40.37789917	0.029180838	0.007386448	0.00097215	7.78615427	0.023883302	2.769696951	0.00097215	0.00097215	4.86075E-06	0.007287199	0.000939843	0.009953531	0.01366466	4.86075E-06	11.89616585	2.01127E-05	0.000208357	0.000133442	0.000684197
2102 Jul	37.65606308	0.013960078	0.007188151	0.001013913	6.679507732	0.023169888	2.352457047	0.001013913	0.001013913	5.06957E-06	0.007249695	0.000933236	0.009897694	0.012532978	5.06957E-06	10.73960495	2.05159E-05	0.000197432	0.000114952	0.000663017
2102 Aug	40.34243011	0.020535486	0.007175481	0.001048086	7.868959427	0.028731123	2.798362494	0.001048086	0.001048086	5.24043E-06	0.007095479	0.00100605	0.010733498	0.013654262	5.24043E-06	11.88521004	1.75673E-05	0.000200362	0.000117731	0.000721418
2102 Sep	43.01100159	0.036574416	0.006870066	0.001044856	9.162958145	0.033302765	3.318937063	0.001044856	0.001044856	5.22428E-06	0.007132519	0.001041799	0.011334782	0.014566842	5.22428E-06	12.96816349	1.5557E-05	0.000203395	0.000119978	0.000771478
2102 Oct	45.53722382	0.069723062	0.005910524	0.000990971	10.65497684	0.037330434	4.050521851	0.000990971	0.000990971	4.95485E-06	0.007527376	0.001043181	0.011089226	0.015440832	4.95485E-06	13.98675346	1.4922E-05	0.000197004	0.000123925	0.000847443
2102 Nov	45.94137192	0.071825139	0.005897434	0.000994294	10.79516125	0.037763115	4.112154961	0.000994294	0.000994294	4.97147E-06	0.007593255	0.001049594	0.011144632	0.015578374	4.97147E-06	14.12298298	1.49802E-05	0.000197874	0.000124861	0.000856446
2102 Dec	45.9925766	0.071975395	0.005900899	0.000995144	10.80935192	0.037810035	4.117954254	0.000995144	0.000995144	4.97572E-06	0.007601677	0.001050629	0.011155026	0.015595755	4.97572E-06	14.13929367	1.49934E-05	0.000198053	0.000124993	0.000857471
2103 Jan	46.05462265	0.072047442	0.005917672	0.000995362	10.82595348	0.037814148	4.123698711	0.000995362	0.000995362	4.97681E-06	0.007603133	0.001051759	0.011155629	0.015628379	4.97681E-06	14.1650095	1.49994E-05	0.000198345	0.000125555	0.000858263
2103 Feb	46.14435959	0.072121799	0.005942532	0.0009959	10.84878731	0.037822239	4.13143301	0.0009959	0.0009959	4.9795E-06	0.007606074	0.001053483	0.01115877	0.015674474	4.9795E-06	14.2013216	1.50109E-05	0.000198785	0.000126336	0.000859411
2103 Mar	46.23438263	0.072226547	0.00596139	0.000997079	10.87090206	0.037860297	4.139329433	0.000997079	0.000997079	4.9854E-06	0.007614445	0.00105536	0.01117041	0.01571358	4.9854E-06	14.23377609	1.50305E-05	0.000199202	0.000126875	0.000860802
2103 Apr	46.53828812	0.072680682	0.006004737	0.001003195	10.94290066	0.038088679	4.166443825	0.001003195	0.001003195	5.01598E-06	0.007660788	0.001062195	0.011238027	0.015821751	5.01598E-06	14.33005619	1.51238E-05	0.000200528	0.000127876	0.000866296
2103 May	61.2604599	0.071704254	0.011600503	0.001012006	14.41083336	0.032373827	5.210512161	0.001012006	0.001012006	5.06003E-06	0.007406208	0.001325743	0.010420389	0.02454062	5.06003E-06	20.81100464	1.73319E-05	0.000284851	0.000301339	0.000999643
2103 Jun	62.07449341	0.04222836	0.014599134	0.000957325	13.59855652	0.020020932	4.665561199	0.000957325	0.000957325	4.78663E-06	0.006743474	0.001325606	0.008850347	0.026403261	4.78663E-06	21.59521866	2.05236E-05	0.000317524	0.000374485	0.000914788
2103 Jul	52.4737854	0.029808125	0.011479554	0.001009023	11.00003052	0.023870921	3.847265482	0.001009023	0.001009023	5.04512E-06	0.006860785	0.00121047	0.009283358	0.021164933	5.04512E-06	17.40110016	1.9239E-05	0.000261545	0.000268472	0.000853129
2103 Aug	44.78004074	0.024492089	0.008306226	0.001023992	9.88696003	0.033585723	3.635004044	0.001023992	0.001023992	5.11996E-06	0.005975311	0.001174035	0.009332536	0.017825302	5.11996E-06	14.69989395	1.16448E-05	0.000191904	0.000182487	0.000865703
2103 Sep	46.70315933	0.053768177	0.007161376	0.00100448	10.94205379	0.037323978	4.11979723	0.00100448	0.00100448	5.0224E-06	0.006708461	0.001139616	0.010230334	0.017453205	5.0224E-06	15.05386543	1.23039E-05	0.000195569	0.00016252	0.000891782
2103 Oct	48.25639725	0.085118003	0.005924023	0.000973115	11.86797619	0.040226597	4.595972538	0.000973115	0.000973115	4.86558E-06	0.007531102	0.001096274	0.010714454	0.017049624	4.86558E-06	15.2767601	1.36618E-05	0.000195549	0.000144844	0.00092337
2103 Nov	48.58945465	0.090207614	0.005736763	0.000970394	12.0357399	0.040783316	4.679751873	0.000970394	0.000970394	4.85197E-06	0.007676046	0.001091718	0.010814796	0.017015146	4.85197E-06	15.33853912	1.38966E-05	0.000195859	0.000142198	0.000930287
2103 Dec	48.62516403	0.090320818	0.005738582	0.000971011	12.04548168	0.040816352	4.683736324	0.000971011	0.000971011	4.85506E-06	0.007682666	0.001092395	0.010823046	0.017026052	4.85506E-06	15.34934902	1.39082E-05	0.000195992	0.000142263	0.000930978
2104 Jan	48.69090271	0.090369634	0.005758882	0.000971148	12.06251907	0.040810265	4.689350128	0.000971148	0.000971148	4.85574E-06	0.007682994	0.001093568	0.010822331	0.017062103	4.85574E-06	15.37730217	1.39146E-05	0.000196327	0.000142922	0.000931709
2104 Feb	48.78071976	0.09041708	0.00578763	0.000971368	12.08543682	0.040800482	4.696797371	0.000971368	0.000971368	4.85684E-06	0.007683008	0.001095219	0.010821174	0.017112058	4.85684E-06	15.41570377	1.39226E-05	0.00019679	0.00014384	0.000932703
2104 Mar	48.88542938	0.090546839	0.005809831	0.000972606	12.11173916	0.040842183	4.706231117	0.000972606	0.000972606	4.86303E-06	0.007691864	0.001097373	0.01083301	0.017158756	4.86303E-06	15.45420933	1.3943E-05	0.000197267	0.000144501	0.000934315
2104 Apr	49.38565445	0.091437191	0.00587478	0.000982081	12.23587608	0.041234296	4.754023075	0.000982081	0.000982081	4.91041E-06	0.007766275	0.001108491	0.010937452	0.017339943	4.91041E-06	15.61539173	1.40803E-05	0.000199316	0.000146178	0.000943655
2104 May	69.39360809	0.079848796	0.014213875	0.000993735	16.64756203	0.030748051	5.974920273	0.000993735	0.000993735	4.96868E-06	0.007236498	0.00146682	0.009729791	0.029419081	4.96868E-06	24.48529625	1.7666E-05	0.000323171	0.00039446	0.001094656
2104 Jun	66.05158234	0.047723435	0.015668379	0.000956898	14.77020931	0.020385275	5.077727795	0.000956898	0.000956898	4.78449E-06	0.006694106	0.001397334	0.008736246	0.02864157	4.78449E-06	23.34897041	2.02924E-05	0.000334513	0.000413581	0.000966674
2104 Jul	59.46734238	0.038166553	0.013402701	0.001022178	12.92600441	0.024156315	4.507869244	0.001022178	0.001022178	5.11089E-06	0.006925562	0.001333774	0.009283839	0.024908416	5.11089E-06	20.36125565	1.95764E-05	0.000294616	0.000334062	0.000937864
2104 Aug	56.2105217	0.038258322	0.01170577	0.00104499	12.51661873	0.029787395	4.417649746	0.00104499	0.00104499	5.22495E-06	0.006701953	0.001305193	0.010071772	0.022893431	5.22495E-06	19.01323891	1.61588E-05	0.000267828	0.000281086	0.000929929
2104 Sep	52.27363205	0.054984294	0.00905181	0.001011793	12.25683975	0.035502985	4.436821461	0.001011793	0.001011793	5.05896E-06	0.006753261	0.001201263	0.010959232	0.019889805	5.05896E-06	17.23490906	1.32922E-05	0.000237345	0.000210213	0.000896975
2104 Oct	51.00020981	0.080894046	0.007108498	0.000985133	12.43140221	0.038999621	4.699571133	0.000985133	0.000985133	4.92567E-06	0.007436611	0.001139728	0.011017362	0.018437704	4.92567E-06	16.41155243	1.3947E-05	0.000217078	0.000172869	0.000925487
2104 Nov	50.85118103	0.086166956	0.006737789	0.000982043	12.49076843	0.039778728	4.760871887	0.000982043	0.000982043	4.91022E-06	0.007587205	0.001129945	0.011053893	0.01818634	4.91022E-06	16.28112221	1.41029E-05	0.000213507	0.000165775	0.000933026
2104 Dec	50.88811111	0.086284958	0.006739148	0.000982756	12.50080204	0.039816692	4.765084743	0.000982756	0.000982756	4.91378E-06	0.007594456	0.001130701	0.011062636	0.018197546	4.91378E-06	16.29211044	1.41151E-05	0.000213632	0.000165829	0.000933808
2105 Jan	50.93878174	0.086329013	0.006754656	0.000982823	12.51414299	0.039811701	4.769553661	0.000982823	0.000982823	4.91411E-06	0.007594608	0.0011316	0.011061375	0.018225722	4.91411E-06	16.3138485	1.41196E-05	0.000213884	0.000166346	0.000934389
2105 Feb	51.01516342	0.086376391	0.006778313	0.000983062	12.5336771	0.039806798	4.775985718	0.000983062	0.000983062	4.91531E-06	0.007595166	0.001133018	0.011061009	0.018267585	4.91531E-06	16.3461647	1.41271E-05	0.000214271	0.000167103	0.000935271
2105 Mar	51.07297897	0.086429603	0.006793361	0.000983504	12.54829979	0.039816741	4.781006336	0.000983504	0.000983504	4.91752E-06	0.007597877	0.001134151	0.011064316	0.018296197	4.91752E-06	16.36896515	1.41356E-05	0.00021455	0.000167568	0.000936049
2105 Apr	51.36454773	0.086897478	0.006836355	0.000988735	12.62017632	0.040023942	4.808076859	0.000988735	0.000988735	4.94367E-06	0.007637881	0.001140539	0.011122204	0.018405175	4.94367E-06	16.4648571	1.4212E-05	0.000215796	0.000168683	0.000941231
2105 May	69.71898651	0.077927947	0.014429235	0.000994995	16.69751549	0.030431418	5.961497784	0.000994995	0.000994995	4.97497E-06	0.00717584	0.001470317	0.00984873	0.029562846	4.97497E-06	24.62456894	1.75818E-05	0.000327391	0.000397929	0.001087575
2105 Jun	75.42854309	0.060023952	0.017982299	0.000998707	17.38081169	0.022379622	5.99524641	0.000998707	0.000998707	4.99354E-06	0.006917218	0.001573643	0.009043789	0.033456534	4.99354E-06	27.21227074	2.05936E-05	0.000376229	0.00049222	0.001094142
2105 Jul	68.28957367	0.049933858	0.015614852	0.001043626	15.54178333	0.026347907	5.44222641	0.001043626	0.001043626	5.21813E-06	0.006878034	0.001507323	0.009260406	0.029778281	5.21813E-06	24.19406128	1.87558E-05	0.000329839	0.000414373	0.00106601
2105 Aug	54.13100815	0.04146599	0.010569341	0.001012264	12.631464	0.033913687	4.512523651	0.001012264	0.001012264	5.06132E-06	0.006079858	0.001284308	0.0101156	0.022067398	5.06132E-06	18.49907303	1.18318E-05	0.000244683	0.000256169	0.000928373
2105 Sep	50.1978035	0.067294739	0.007478874	0.000982802	12.27263069	0.039196465	4.545757294	0.000982802	0.000982802	4.91401E-06	0.006724786	0.001151153	0.011154012	0.018485287	4.91401E-06	16.39341545	1.12638E-05	0.000215866	0.000174654	0.000896379
2105 Oct	49.7622757	0.085897207	0.006339114	0.000967457	12.37985229	0.040626355	4.7258811	0.000967457	0.000967457	4.83728E-06	0.007366011	0.001111651	0.011073026	0.017688729	4.83728E-06	15.93811989	1.28153E-05	0.000205825	0.000155115	0.00092038
2105 Nov	49.70698166	0.091005735	0.006037965	0.000964809	12.42443848	0.041080017	4.780370235	0.000964809	0.000964809	4.82405E-06	0.007548496	0.001102522	0.011069695	0.017493846	4.82405E-06	15.83437252	1.32441E-05	0.000203364	0.000149941	0.000928064
2105 Dec	49.72953415	0.091099843	0.006037699	0.000965233	12.43066978	0.041103866	4.783146858	0.000965233	0.000965233	4.82617E-06	0.007553863	0.001102944	0.011074845	0.01749998	4.82617E-06	15.84067345	1.32545E-05	0.000203434	0.000149957	0.000928574
2106 Jan	49.79410553	0.091147035	0.00605791	0.000965354	12.447299	0.041096251	4.788656712	0.000965354	0.000965354	4.82677E-06	0.00755418	0.001104104	0.011073414	0.017535867	4.82677E-06	15.86824989	1.32616E-05	0.000203761	0.000150618	0.000929307
2106 Feb	49.87883759	0.091184765	0.006086148	0.000965472	12.46890068	0.041081667	4.795612812	0.000965472	0.000965472	4.82736E-06	0.007553426	0.001105647	0.01107084	0.01758422	4.82736E-06	15.9050808	1.32686E-05	0.000204203	0.000151526	0.000930213
2106 Mar	49.9536972	0.091257721	0.006105044	0.000966091	12.48784256	0.041097313	4.80216074	0.000966091	0.000966091	4.83046E-06	0.007557353	0.001107124	0.011075794	0.017620688	4.83046E-06	15.93429947	1.328E-05	0.00020456	0.000152108	0.000931241
2106 Apr	50.32871628	0.091906212	0.00615647	0.000972869	12.58172512	0.041379482	4.837841034	0.000972869	0.000972869	4.86434E-06	0.007609845	0.00111533	0.011152263	0.017758749	4.86434E-06	16.05698967	1.33748E-05	0.000206126	0.000153453	0.000938022
2106 May	58.83818054	0.088680379	0.009495076	0.000993874	14.45770741	0.037848312	5.380672932	0.000993874	0.000993874	4.96937E-06	0.007543846	0.00127295	0.010801583	0.02273397	4.96937E-06	19.73124123	1.51168E-05	0.000256932	0.000252699	0.001013356
2106 Jun	54.42572403	0.035932139	0.012152199	0.000968208	11.47780323	0.021069571	3.961539268	0.000968208	0.000968208	4.84104E-06	0.006954104	0.001192028	0.009253321	0.021920156	4.84104E-06	18.15712929	2.06194E-05	0.000280316	0.000290423	0.000831515
2106 Jul	47.22142029	0.024553739	0.009757417	0.001037494	9.43451786	0.024845088	3.3222363	0.001037494	0.001037494	5.18747E-06	0.007177996	0.00112258	0.009792675	0.017892601	5.18747E-06	14.90877342	1.9888E-05	0.000237332	0.000205617	0.000797696
2106 Aug	43.84994125	0.027760176	0.007730432	0.001020579	9.641770363	0.033690743	3.49841404	0.001020579	0.001020579	5.10289E-06	0.006208935	0.001115094	0.01021218	0.01646634	5.10289E-06	14.0151062	1.21999E-05	0.000196027	0.000156446	0.000815233
2106 Sep	45.93510818	0.055322964	0.006580709	0.000993225	10.99531364	0.039065726	4.057744503	0.000993225	0.000993225	4.96613E-06	0.006540689	0.001090667	0.011377534	0.016264847	4.96613E-06	14.61160946	1.05927E-05	0.000198552	0.000135479	0.000837015
2106 Oct	47.42285538	0.071651317	0.006182296	0.000990109	11.56619835	0.040418882	4.364992142	0.000990109	0.000990109	4.95054E-06	0.00708206	0.001094483	0.011369983	0.016591525	4.95054E-06	15.0085783	1.19267E-05	0.000199359	0.000136175	0.000879261
2106 Nov	47.64305878	0.072230719	0.006200566	0.000994114	11.62355614	0.040608469	4.38824749	0.000994114	0.000994114	4.97057E-06	0.00712056	0.001099033	0.0114165	0.016665107	4.97057E-06	15.07694626	1.19988E-05	0.000200189	0.000136742	0.000883603
2106 Dec	47.67564392	0.072336957	0.006202402	0.000994657	11.63234615	0.040636692	4.391937733	0.000994657	0.000994657	4.97329E-06	0.007126725	0.001099662	0.011422865	0.016675707	4.97329E-06	15.08695316	1.20108E-05	0.000200303	0.000136821	0.000884267
2107 Jan	47.71814728	0.072386943	0.006214367	0.000994765	11.64349651	0.040635332	4.395788193	0.000994765	0.000994765	4.97383E-06	0.007127799	0.001100409	0.011422451	0.016698375	4.97383E-06	15.10463428	1.2017E-05	0.000200509	0.000137225	0.000884792
2107 Feb	47.78628922	0.072444595	0.006233063	0.000995193	11.6607933	0.040642235	4.401661396	0.000995193	0.000995193	4.97597E-06	0.007130231	0.001101721	0.011425066	0.016733157	4.97597E-06	15.13207531	1.20261E-05	0.000200843	0.000137811	0.000885671
2107 Mar	47.88325119	0.072566643	0.006251066	0.000996672	11.68481827	0.040696822	4.410372257	0.000996672	0.000996672	4.98336E-06	0.007140473	0.001103815	0.011440779	0.016773073	4.98336E-06	15.16598129	1.20462E-05	0.000201276	0.000138304	0.000887258
2107 Apr	48.06473923	0.072827458	0.006277816	0.00100014	11.72931385	0.040835164	4.426962852	0.00100014	0.00100014	5.0007E-06	0.007165127	0.001107918	0.011479882	0.01684005	5.0007E-06	15.2252903	1.20894E-05	0.000202054	0.000138949	0.000890502
2107 May	59.04288864	0.071679838	0.010593208	0.001001757	14.20946693	0.035404544	5.163648129	0.001001757	0.001001757	5.00878E-06	0.007045224	0.001298449	0.010699986	0.02338423	5.00878E-06	20.0386982	1.45145E-05	0.000267051	0.000272555	0.00098503
2107 Jun	70.20859528	0.053322546	0.016503552	0.000998716	15.91965389	0.022516392	5.488945484	0.000998716	0.000998716	4.99358E-06	0.006920102	0.001483449	0.009212705	0.030550826	4.99358E-06	24.9477253	2.03932E-05	0.000352084	0.000439818	0.001030638
2107 Jul	59.71532059	0.039631721	0.013172996	0.001030409	13.29177284	0.027075339	4.690202236	0.001030409	0.001030409	5.15205E-06	0.006680244	0.001369815	0.009211544	0.025336107	5.15205E-06	20.65037346	1.74661E-05	0.00028521	0.000333746	0.000975518
2107 Aug	57.87931061	0.03803844	0.012117367	0.001075586	13.00133038	0.031518571	4.643027782	0.001075586	0.001075586	5.37793E-06	0.006676388	0.001377448	0.009783604	0.024188166	5.37793E-06	19.81459952	1.55819E-05	0.000266845	0.000299135	0.000992688
2107 Sep	56.53102112	0.055347182	0.010451695	0.001065798	13.08919621	0.035278048	4.780153275	0.001065798	0.001065798	5.32899E-06	0.007101605	0.001320298	0.010443875	0.022562105	5.32899E-06	18.97080421	1.51764E-05	0.000252734	0.000257607	0.000992797
2107 Oct	54.16274643	0.072650537	0.008642409	0.00102933	12.91145325	0.03774891	4.835859299	0.00102933	0.00102933	5.14665E-06	0.007440144	0.001237102	0.010670118	0.020634877	5.14665E-06	17.7990303	1.49427E-05	0.00023354	0.000215498	0.000978459
2107 Nov	53.37986755	0.078769803	0.008015967	0.001017504	12.86019516	0.03864919	4.859514236	0.001017504	0.001017504	5.08752E-06	0.007565327	0.001209065	0.010758982	0.019977467	5.08752E-06	17.40377045	1.48736E-05	0.000227014	0.000200924	0.000974309
2107 Dec	53.4021759	0.078886308	0.008013462	0.001017965	12.86714649	0.038682252	4.862636566	0.001017965	0.001017965	5.08983E-06	0.007571207	0.001209453	0.010766322	0.019981623	5.08983E-06	17.40943146	1.48815E-05	0.000227072	0.000200874	0.000974833
2108 Jan	53.45786285	0.078952812	0.00802849	0.001018147	12.88202572	0.038685039	4.867742538	0.001018147	0.001018147	5.09074E-06	0.007572589	0.001210436	0.010767189	0.020010522	5.09074E-06	17.43239784	1.48874E-05	0.000227342	0.000201374	0.000975514
2108 Feb	53.52952957	0.078998506	0.008051031	0.001018299	12.90054893	0.038678046	4.873809338	0.001018299	0.001018299	5.0915E-06	0.007572632	0.001211737	0.01076623	0.020050243	5.0915E-06	17.46305084	1.48934E-05	0.000227708	0.000202102	0.000976311
2108 Mar	53.65334702	0.079148538	0.008076055	0.001019996	12.93107033	0.038735513	4.884833336	0.001019996	0.001019996	5.09998E-06	0.007584653	0.001214364	0.010782765	0.02010363	5.09998E-06	17.50740433	1.49202E-05	0.000228268	0.000202818	0.000978292
2108 Apr	54.52571869	0.080289453	0.008235947	0.001033637	13.1443615	0.039222486	4.963144779	0.001033637	0.001033637	5.16819E-06	0.00768344	0.001233326	0.010920726	0.020461792	5.16819E-06	17.80974197	1.5129E-05	0.000232127	0.000207226	0.000992959

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2108 May	58.55418015	0.082824185	0.009403926	0.001059991	14.12948704	0.039361544	5.289557934	0.001059991	0.001059991	5.29995E-06	0.007829498	0.001310713	0.011073201	0.022524582	5.29995E-06	19.42639732	1.58078E-05	0.000252794	0.000242746	0.001042356
2108 Jun	46.6075592	0.029882431	0.009543207	0.000991638	9.305951118	0.022801936	3.253571272	0.000991638	0.000991638	4.95819E-06	0.007248624	0.001061856	0.00976979	0.017264266	4.95819E-06	14.59181118	2.07582E-05	0.000240928	0.000200808	0.000754481
2108 Jul	45.83892059	0.024581505	0.009187805	0.001067951	8.772878647	0.024369404	3.071699619	0.001067951	0.001067951	5.33975E-06	0.007732577	0.001077177	0.010471237	0.016373927	5.33975E-06	13.89552593	2.2093E-05	0.000238507	0.000177474	0.000764359
2108 Aug	48.60462189	0.028175836	0.009376923	0.001133517	9.634970665	0.028714893	3.39564395	0.001133517	0.001133517	5.66759E-06	0.007947711	0.001156043	0.011367956	0.017372245	5.66759E-06	14.85365486	2.11915E-05	0.000246123	0.00018027	0.000825004
2108 Sep	49.18928528	0.040856913	0.008676548	0.001114286	10.32616138	0.032255929	3.710804224	0.001114286	0.001114286	5.57143E-06	0.007889897	0.001155441	0.011643467	0.017405394	5.57143E-06	15.14294434	1.92292E-05	0.000239239	0.000170634	0.000850001
2108 Oct	48.89567184	0.077785701	0.006555049	0.001014806	11.49796867	0.03784642	4.377896786	0.001014806	0.001014806	5.07403E-06	0.007932435	0.001098656	0.011219786	0.016932901	5.07403E-06	15.20174789	1.63278E-05	0.000212072	0.000147637	0.000899596
2108 Nov	49.15636444	0.083228089	0.006308862	0.00100786	11.72556114	0.038837057	4.494318485	0.00100786	0.00100786	5.0393E-06	0.007988379	0.001097813	0.011234216	0.016971333	5.0393E-06	15.30179691	1.60411E-05	0.000209722	0.000145388	0.000911834
2108 Dec	49.19521332	0.083349898	0.006310703	0.00100852	11.73667622	0.038876608	4.498906612	0.00100852	0.00100852	5.0426E-06	0.00799486	0.001098606	0.011242614	0.016984148	5.0426E-06	15.31409073	1.60496E-05	0.000209849	0.000145468	0.000912638
2109 Jan	49.25185776	0.083404653	0.006327155	0.00100864	11.7519083	0.03887631	4.504071236	0.00100864	0.00100864	5.0432E-06	0.007995175	0.001099633	0.011242109	0.0170151	5.0432E-06	15.3382206	1.6053E-05	0.000210122	0.000146019	0.000913321
2109 Feb	49.33334732	0.083461151	0.006351488	0.001008963	11.77282429	0.038875647	4.511026382	0.001008963	0.001008963	5.04482E-06	0.00799631	0.001101165	0.01124275	0.017058933	5.04482E-06	15.37229156	1.6061E-05	0.000210529	0.000146795	0.000914296
2109 Mar	49.45877457	0.083629005	0.006375181	0.001010796	11.8035574	0.038939126	4.522224903	0.001010796	0.001010796	5.05398E-06	0.008010059	0.001103808	0.011261562	0.017110839	5.05398E-06	15.41610432	1.60917E-05	0.000211096	0.000147459	0.000916329
2109 Apr	49.94070053	0.084400192	0.006444734	0.001019924	11.91936016	0.039283708	4.566022873	0.001019924	0.001019924	5.09962E-06	0.008081625	0.001114409	0.011361665	0.017285975	5.09962E-06	15.57097816	1.62386E-05	0.000213185	0.000149182	0.00092497
2109 May	64.54629517	0.078669608	0.012381102	0.001015826	15.30600929	0.03235108	5.542699337	0.001015826	0.001015826	5.07913E-06	0.007587136	0.00137758	0.010334224	0.026225388	5.07913E-06	22.1432476	1.81E-05	0.000299576	0.000331076	0.001044433
2109 Jun	76.56227112	0.060557641	0.018276142	0.001016987	17.60056305	0.0225471	6.068548679	0.001016987	0.001016987	5.08494E-06	0.007063346	0.001597178	0.009194109	0.033933312	5.08494E-06	27.59407997	2.11466E-05	0.000382563	0.000499489	0.001109908
2109 Jul	62.81866074	0.043332148	0.014020137	0.001037176	14.16625786	0.027410286	5.003711224	0.001037176	0.001037176	5.18588E-06	0.00668501	0.001431066	0.009103276	0.027102087	5.18588E-06	22.00068474	1.7466E-05	0.000298008	0.000364283	0.001020921
2109 Aug	53.49674225	0.032813873	0.010778015	0.001064269	12.12661934	0.033880584	4.424577236	0.001064269	0.001064269	5.32135E-06	0.006223025	0.001346016	0.009201566	0.022588855	5.32135E-06	18.32722092	1.28658E-05	0.000231618	0.000265618	0.000989086
2109 Sep	51.81621552	0.055208299	0.008806699	0.001030035	12.21455479	0.037191402	4.547736645	0.001030035	0.001030035	5.15018E-06	0.006732349	0.001247909	0.010105	0.02039599	5.15018E-06	17.24490356	1.27476E-05	0.000219776	0.00021513	0.000961275
2109 Oct	50.01765442	0.088521905	0.006331973	0.000976983	12.36528492	0.040455505	4.779130936	0.000976983	0.000976983	4.88492E-06	0.007600813	0.00112657	0.01070282	0.017959582	4.88492E-06	16.00105858	1.38724E-05	0.00020304	0.000160205	0.000948425
2109 Nov	50.22740555	0.091035895	0.006225638	0.000980147	12.45219898	0.040909715	4.822985172	0.000980147	0.000980147	4.90073E-06	0.007700143	0.001126625	0.01080653	0.017929249	4.90073E-06	16.02858353	1.40245E-05	0.000203322	0.000157955	0.000953728
2109 Dec	50.27286148	0.091154799	0.006228999	0.000981019	12.46406651	0.040951658	4.827757359	0.000981019	0.000981019	4.9051E-06	0.007708265	0.001127566	0.010817323	0.017943671	4.9051E-06	16.0424118	1.40388E-05	0.000203497	0.000158048	0.000954614
2110 Jan	50.33476639	0.091216922	0.006245475	0.000981387	12.47997856	0.040958606	4.833201408	0.000981387	0.000981387	4.90693E-06	0.007710663	0.001128728	0.01081985	0.017974876	4.90693E-06	16.06723595	1.40474E-05	0.000203798	0.000158571	0.000955409
2110 Feb	50.41542816	0.091278777	0.006268395	0.000981834	12.50046349	0.040963382	4.84008503	0.000981834	0.000981834	4.90917E-06	0.007712928	0.001130269	0.010822175	0.018016785	4.90917E-06	16.10012817	1.40574E-05	0.000204198	0.000159291	0.000956417
2110 Mar	50.51224136	0.091408007	0.006287487	0.000983104	12.5247345	0.041008797	4.848908901	0.000983104	0.000983104	4.91552E-06	0.007722226	0.001132293	0.010834754	0.018058546	4.91552E-06	16.13494682	1.40775E-05	0.00020463	0.000159851	0.000957968
2110 Apr	50.80516434	0.091911718	0.006327987	0.000988453	12.59751701	0.041227568	4.876758575	0.000988453	0.000988453	4.94227E-06	0.007763851	0.001138775	0.010892889	0.018167367	4.94227E-06	16.23074913	1.41552E-05	0.00020584	0.000160924	0.00096336
2110 May	56.3982048	0.090026766	0.008492591	0.001002689	13.84314442	0.039043117	5.236013412	0.001002689	0.001002689	5.01345E-06	0.007722615	0.001241126	0.010720964	0.021394463	5.01345E-06	18.63526917	1.52368E-05	0.000239384	0.000224914	0.001011618
2110 Jun	59.41012192	0.041302886	0.01358139	0.000973756	12.86444664	0.021157783	4.438863754	0.000973756	0.000973756	4.86878E-06	0.006933932	0.001283082	0.009136664	0.024707768	4.86878E-06	20.32157707	2.06761E-05	0.000303162	0.000339973	0.000893913
2110 Jul	51.76531982	0.030299924	0.011087538	0.001025152	10.79259014	0.024746001	3.79301548	0.001025152	0.001025152	5.12576E-06	0.007017109	0.001202161	0.00950339	0.020586699	5.12576E-06	16.98916626	1.94423E-05	0.000257046	0.000254799	0.000852991
2110 Aug	43.40233231	0.032508083	0.007069172	0.000994499	10.11325169	0.037324533	3.682756424	0.000994499	0.000994499	4.97249E-06	0.005713591	0.001108907	0.010543152	0.016231587	4.97249E-06	14.06926155	8.56116E-06	0.000185511	0.000142794	0.000815796
2110 Sep	46.38872147	0.068235412	0.006044785	0.000974479	11.39271164	0.040485736	4.295624256	0.000974479	0.000974479	4.87239E-06	0.006772519	0.001084289	0.011179071	0.016347822	4.87239E-06	14.76081944	1.07145E-05	0.00019268	0.000132769	0.000866856
2110 Oct	48.75950241	0.09559536	0.00539091	0.000967665	12.24834728	0.042117909	4.769256592	0.000967665	0.000967665	4.83833E-06	0.00775554	0.001081941	0.01115415	0.016769079	4.83833E-06	15.32846069	1.34947E-05	0.000195377	0.000133393	0.000930696
2110 Nov	48.80410767	0.09761633	0.00531366	0.000964404	12.28245926	0.042152103	4.79454422	0.000964404	0.000964404	4.82202E-06	0.007815504	0.001078434	0.011123758	0.016746566	4.82202E-06	15.32562923	1.36797E-05	0.000194949	0.000132832	0.000933268
2110 Dec	48.84451294	0.097722054	0.005316983	0.00096515	12.29292488	0.042187069	4.798784256	0.00096515	0.00096515	4.82575E-06	0.007822662	0.00107927	0.011132475	0.016759926	4.82575E-06	15.33809185	1.36932E-05	0.000195102	0.000132932	0.000934063
2111 Jan	48.91278839	0.097766437	0.005338081	0.000965362	12.31034279	0.042182215	4.804531097	0.000965362	0.000965362	4.82681E-06	0.007823298	0.00108053	0.011132082	0.016797269	4.82681E-06	15.36691761	1.37005E-05	0.000195449	0.000133608	0.000934851
2111 Feb	48.9961586	0.097799852	0.005365941	0.000965498	12.33152676	0.042168342	4.811326981	0.000965498	0.000965498	4.82749E-06	0.00782254	0.001082059	0.011129807	0.016844779	4.82749E-06	15.40311241	1.37072E-05	0.000195884	0.000134498	0.000935741
2111 Mar	49.16374969	0.098061368	0.005394578	0.000967973	12.37381935	0.042265575	4.827021122	0.000967973	0.000967973	4.83987E-06	0.007841574	0.001085589	0.011156233	0.016912745	4.83987E-06	15.46128273	1.3745E-05	0.000196611	0.000135321	0.000938557
2111 Apr	49.6810112	0.09905114	0.005457242	0.000977682	12.50406933	0.042683251	4.87736845	0.000977682	0.000977682	4.88841E-06	0.007919639	0.001096913	0.01126692	0.017096631	4.88841E-06	15.62710285	1.38843E-05	0.000198711	0.000136953	0.00094821
2111 May	59.67877197	0.093028337	0.009559792	0.000996265	14.68343163	0.037942629	5.4870224	0.000996265	0.000996265	4.98133E-06	0.007728024	0.001282676	0.010758772	0.023073982	4.98133E-06	20.01014328	1.57725E-05	0.000259745	0.000258082	0.001030399
2111 Jun	68.92367554	0.052073989	0.016246306	0.00098485	15.54149151	0.021623516	5.357163429	0.00098485	0.00098485	4.92425E-06	0.006894761	0.001454471	0.009028437	0.029946396	4.92425E-06	24.43532181	2.06275E-05	0.000346963	0.000432087	0.001010689
2111 Jul	66.04184723	0.046196122	0.01510499	0.001062326	14.52633476	0.024257321	5.036761284	0.001062326	0.001062326	5.31163E-06	0.007368613	0.001439199	0.009787797	0.027900519	5.31163E-06	22.84714127	2.13969E-05	0.000331038	0.000384995	0.001007178
2111 Aug	50.72169495	0.038224939	0.009496489	0.001014463	11.70061684	0.034352224	4.187934399	0.001014463	0.001014463	5.07231E-06	0.006129446	0.001220581	0.010397582	0.020014849	5.07231E-06	16.96798134	1.16912E-05	0.000229432	0.000217834	0.000883814
2111 Sep	49.14637756	0.051579934	0.007835982	0.001006241	11.80808544	0.038849913	4.273603439	0.001006241	0.001006241	5.0312E-06	0.006303682	0.001158595	0.011515575	0.018144419	5.0312E-06	16.06616783	9.96848E-06	0.000217287	0.000169833	0.000861667
2111 Oct	48.91565323	0.077161483	0.006483259	0.000974585	12.06352043	0.040242113	4.556042194	0.000974585	0.000974585	4.87292E-06	0.007103993	0.001109334	0.011201928	0.017402483	4.87292E-06	15.67025089	1.20543E-05	0.000205262	0.00015149	0.000897152
2111 Nov	49.03464127	0.088713065	0.005915465	0.00096559	12.23023605	0.041065082	4.700503826	0.00096559	0.00096559	4.82795E-06	0.007488217	0.001092928	0.011123477	0.017150784	4.82795E-06	15.56522369	1.30151E-05	0.000200896	0.000143935	0.000916863
2111 Dec	49.0974884	0.089069888	0.005910451	0.000966597	12.24886513	0.041134041	4.709388733	0.000966597	0.000966597	4.83299E-06	0.007505709	0.001093924	0.011135687	0.01716635	4.83299E-06	15.58205986	1.30515E-05	0.000201049	0.000143944	0.000918417
2112 Jan	49.17580795	0.089134268	0.005934085	0.000966808	12.26904392	0.041128613	4.716151714	0.000966808	0.000966808	4.83404E-06	0.007506742	0.001095344	0.011134819	0.017209053	4.83404E-06	15.61506748	1.30608E-05	0.00020144	0.000144717	0.00091934
2112 Feb	49.28823471	0.089206338	0.005968304	0.000967235	12.29764748	0.0411244	4.725609303	0.000967235	0.000967235	4.83617E-06	0.007508196	0.00109745	0.011135194	0.0172699	4.83617E-06	15.66217613	1.3073E-05	0.000202008	0.000145805	0.000920665
2112 Mar	49.48590469	0.089492664	0.00600344	0.000970147	12.34726715	0.04123605	4.743843079	0.000970147	0.000970147	4.85073E-06	0.00752979	0.001101636	0.011166248	0.017350819	4.85073E-06	15.73117638	1.31158E-05	0.000202876	0.0001468	0.000923936
2112 Apr	49.94245911	0.090278178	0.006065122	0.000978554	12.46135139	0.041586552	4.787206173	0.000978554	0.000978554	4.89277E-06	0.007594472	0.001111678	0.011261623	0.017517451	4.89277E-06	15.87978745	1.32314E-05	0.000204781	0.000148385	0.000932223
2112 May	62.59025574	0.084365122	0.011213439	0.000994894	15.23832893	0.035384689	5.577625751	0.000994894	0.000994894	4.97447E-06	0.007381401	0.001342088	0.010511856	0.025092928	4.97447E-06	21.42974663	1.57938E-05	0.000281419	0.000302609	0.001037504
2112 Jun	57.88037109	0.038190078	0.013416583	0.000943047	12.48095322	0.019823095	4.285573483	0.000943047	0.000943047	4.71523E-06	0.006683858	0.001248079	0.008814513	0.024164727	4.71523E-06	19.83828735	2.02266E-05	0.000297403	0.000335513	0.000862868
2112 Jul	48.2123642	0.025283068	0.010281308	0.001007083	9.731988907	0.023274377	3.400182247	0.001007083	0.001007083	5.03541E-06	0.006989637	0.001125238	0.009466947	0.018645035	5.03541E-06	15.46957397	1.98214E-05	0.000244539	0.000224797	0.000792766
2112 Aug	49.51654434	0.029800033	0.009908042	0.001050272	10.4068985	0.028314162	3.660598993	0.001050272	0.001050272	5.25136E-06	0.007006491	0.001169436	0.010435604	0.01884466	5.25136E-06	15.90283966	1.77143E-05	0.000243669	0.000211997	0.000830054
2112 Sep	49.36883926	0.043734495	0.008722506	0.001037157	11.01643848	0.033302292	3.947957039	0.001037157	0.001037157	5.18579E-06	0.006963993	0.0011526	0.011129893	0.018196929	5.18579E-06	15.8116188	1.50905E-05	0.000232603	0.000185419	0.000844604
2112 Oct	49.5772438	0.060146697	0.0078287	0.001018147	11.45728397	0.035729319	4.220436573	0.001018147	0.001018147	5.09073E-06	0.007269848	0.001135764	0.011131339	0.01793574	5.09073E-06	15.79742718	1.49742E-05	0.000223897	0.00017325	0.000874519
2112 Nov	49.76593781	0.06319131	0.007696793	0.001017996	11.56927013	0.036263473	4.280879974	0.001017996	0.001017996	5.08998E-06	0.007345687	0.001136331	0.011166239	0.017945049	5.08998E-06	15.84334087	1.50001E-05	0.000223067	0.000171651	0.000882429
2112 Dec	49.81281281	0.063345484	0.0076986	0.00101882	11.58246422	0.03631106	4.286404133	0.00101882	0.00101882	5.0941E-06	0.007354232	0.001137275	0.011176519	0.01795996	5.0941E-06	15.85778046	1.50132E-05	0.000223221	0.000171737	0.000883414
2113 Jan	49.85988617	0.063412838	0.007711139	0.001018887	11.59551048	0.036312647	4.290991306	0.001018887	0.001018887	5.09444E-06	0.007355015	0.001138093	0.011175881	0.017985219	5.09444E-06	15.87766266	1.50169E-05	0.000223437	0.00017218	0.000884014
2113 Feb	49.93365479	0.063473336	0.007732169	0.001019244	11.61445522	0.036315911	4.297380924	0.001019244	0.001019244	5.09622E-06	0.007356806	0.001139486	0.011177366	0.018023958	5.09622E-06	15.90800285	1.50253E-05	0.0002238	0.000172851	0.000884932
2113 Mar	50.19138718	0.063782737	0.007777338	0.001023876	11.67537975	0.036475774	4.319583893	0.001023876	0.001023876	5.11938E-06	0.007389809	0.001145209	0.011226832	0.018123617	5.11938E-06	15.99385357	1.50954E-05	0.000224972	0.000173971	0.000889287
2113 Apr	50.63661575	0.064338088	0.007849346	0.001032597	11.77950954	0.036783509	4.357914448	0.001032597	0.001032597	5.16299E-06	0.007452511	0.001155276	0.011321701	0.018288188	5.16299E-06	16.13787842	1.5225E-05	0.000226978	0.000175644	0.000897053
2113 May	62.98226166	0.066225335	0.012430971	0.001032182	14.73727989	0.032018416	5.269569397	0.001032182	0.001032182	5.16091E-06	0.007283847	0.001370535	0.010553251	0.025578313	5.16091E-06	21.5695591	1.71924E-05	0.000296497	0.00032074	0.001011708
2113 Jun	69.19228363	0.050457425	0.016446991	0.000985653	15.57224083	0.02125424	5.351374626	0.000985653	0.000985653	4.92827E-06	0.006848793	0.001460531	0.009014299	0.030143658	4.92827E-06	24.56887817	2.06435E-05	0.000349584	0.000436788	0.001009395
2113 Jul	61.36454773	0.039868016	0.013792988	0.001036862	13.58784103	0.025988201	4.765544891	0.001036862	0.001036862	5.18431E-06	0.006801743	0.001391158	0.009254176	0.026122373	5.18431E-06	21.26717567	1.84539E-05	0.000297387	0.000350511	0.000983414
2113 Aug	57.40532684	0.037265841	0.012034446	0.001067327	12.88511086	0.031206872	4.590084553	0.001067327	0.001067327	5.33663E-06	0.006615737	0.001363575	0.009791272	0.023933493	5.33663E-06	19.64151192	1.54418E-05	0.000265843	0.000295737	0.000979484
2113 Sep	53.97739029	0.056654211	0.009537351	0.001030471	12.64421272	0.035718415	4.62048769	0.001030471	0.001030471	5.15236E-06	0.006888419	0.001253898	0.010579083	0.021073364	5.15236E-06	17.9723568	1.39127E-05	0.00024047	0.000230575	0.000946695
2113 Oct	50.7130394	0.088429086	0.006624299	0.000973929	12.49862099	0.039750423	4.795209408	0.000973929	0.000973929	4.86965E-06	0.007613318	0.00112796	0.010810838	0.018223848	4.86965E-06	16.25920868	1.42061E-05	0.000210121	0.000166851	0.000941488
2113 Nov	50.70992279	0.094762452	0.006199311	0.000975412	12.60929203	0.040890813	4.876952648	0.000975412	0.000975412	4.87706E-06	0.007820774	0.001119107	0.010973093	0.017935541	4.87706E-06	16.14344597	1.44074E-05	0.000207224	0.000157714	0.000951035
2113 Dec	50.7600708	0.094905362	0.006202124	0.000976391	12.62262726	0.040940285	4.882413864	0.000976391	0.000976391	4.88196E-06	0.007830136	0.001120147	0.010985245	0.01795103	4.88196E-06	16.15851021	1.44233E-05	0.000207406	0.000157798	0.000952052
2114 Jan	50.82902527	0.094959922	0.006222438	0.000976646	12.64041138	0.040939547	4.88835907	0.000976646	0.000976646	4.88323E-06	0.007831264	0.00112142	0.010985744	0.017987909	4.88323E-06	16.1872673	1.44306E-05	0.00020775	0.000158451	0.000952874
2114 Feb	50.91337967	0.094999582	0.006249993	0.000976816	12.66193867	0.0409282	4.89531517	0.000976816	0.000976816	4.88408E-06	0.007830846	0.00112297	0.010984042	0.018035423	4.88408E-06	16.22363853	1.44375E-05	0.000208187	0.000159332	0.000953793
2114 Mar	51.07627106	0.095239215	0.006279386	0.00097915	12.70275021	0.041015908	4.910346985	0.00097915	0.00097915	4.89575E-06	0.007848584	0.001126393	0.011008315	0.018102761	4.89575E-06	16.2807312	1.44743E-05	0.000208904	0.000160179	0.000956483
2114 Apr	51.40937424	0.095823467	0.006325724	0.000985082	12.78576565	0.041258611	4.942009926	0.000985082	0.000985082	4.92541E-06	0.007895576	0.001133642	0.011073875	0.018226344	4.92541E-06	16.38988304	1.45634E-05	0.000210295	0.000161417	0.000962514
2114 May	66.17147827	0.084581673	0.012701842	0.000987595	15.99902248	0.032775588	5.811174393	0.000987595	0.000987595	4.93797E-06	0.007383102	0.001401068	0.010009158	0.027334537	4.93797E-06	23.01683998	1.71096E-05	0.000302739	0.000350824	0.001069672
2114 Jun	75.43017578	0.060258534	0.017893201	0.001013946	17.32273674	0.022752943	5.981452942	0.001013946	0.001013946	5.06973E-06	0.007064628	0.001576474	0.009206533	0.033302292	5.06973E-06	27.11123848	2.10123E-05	0.000376399	0.000487662	0.001098376
2114 Jul	71.62745667	0.053203475	0.016445462	0.001087262	16.19478035	0.026366696	5.648162842	0.001087262	0.001087262	5.43631E-06	0.007349357	0.001561014	0.0097866	0.031028448	5.43631E-06	25.2755909	2.06608E-05	0.000350936	0.000434354	0.00110003
2114 Aug	72.371315	0.053783651	0.016088249	0.001158033	16.44908524	0.030692007	5.772115231	0.001158033	0.001158033	5.79017E-06	0.007608505	0.001610759	0.010653986	0.03096622	5.79017E-06	25.352005	1.99203E-05	0.000348341	0.000418166	0.001142802
2114 Sep	60.54454041	0.069371022	0.010945827	0.001065392	14.35294819	0.036544807	5.211467743	0.001065392	0.001065392	5.32696E-06	0.007427912	0.001349196	0.011200252	0.02386247	5.32696E-06	20.39836121	1.56927E-05	0.000275228	0.000275491	0.001018441
2114 Oct	54.98143387	0.087230891	0.008071235	0.00100878	13.43501091	0.039323989	5.065349579	0.00100878	0.00100878	5.0439E-06	0.007727413	0.001210958	0.011100462	0.020390445	5.0439E-06	17.95489883	1.50546E-05	0.000235666	0.000205671	0.000982168
2114 Nov	52.26500702	0.09544377	0.006703354	0.000980704	12.97828388	0.040575858	4.987125874	0.000980704	0.000980704	4.90352E-06	0.007855237	0.001143919	0.011038394	0.018718004	4.90352E-06	16.77172279	1.47247E-05	0.000216628	0.000172356	0.000963402
2114 Dec	52.22790146	0.095785335	0.006666829	0.00098073	12.97583485	0.040652096	4.989211082	0.00098073	0.00098073	4.90365E-06	0.007866374	0.001142876	0.011046616	0.018682877	4.90365E-06	16.75008583	1.47278E-05	0.000216232	0.000171473	0.000963694
2115 Jan	52.31034088	0.095852077	0.006690967	0.00098104	12.99715996	0.040652022	4.996367931	0.00098104	0.00098104	4.9052E-06	0.007867746	0.001144406	0.011047183	0.018726993	4.9052E-06	16.78447342	1.47363E-05	0.00021664	0.000172252	0.000964691
2115 Feb	52.42115021	0.09591613	0.006725448	0.000981405	13.02541161	0.040645093	5.005637169	0.000981405	0.000981405	4.90702E-06	0.007868497	0.001146475	0.011046859	0.018787721	4.90702E-06	16.83134079	1.47469E-05	0.000217203	0.000173349	0.000965967
2115 Mar	52.53628159	0.096050926	0.006751303	0.000982625	13.0544138	0.040683579	5.015913963	0.000982625	0.000982625	4.91313E-06	0.007877092	0.001148799	0.011058172	0.018840479	4.91313E-06	16.87448311	1.4768E-05	0.000217738	0.000174129	0.00096767

Appendix D.2-15: D4

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2115 Apr	53.00131989	0.096857645	0.006817418	0.000990787	13.17019176	0.041014582	5.059902191	0.000990787	0.000990787	4.95394E-06	0.007941836	0.001158857	0.011148631	0.019013841	4.95394E-06	17.02738953	1.48922E-05	0.000219698	0.000175899	0.000975995
2115 May	69.67977905	0.083529748	0.014070542	0.00099297	16.79027367	0.031292733	6.036970615	0.00099297	0.00099297	4.96485E-06	0.007337595	0.001462934	0.009889974	0.029363135	4.96485E-06	24.53586769	1.77486E-05	0.000324089	0.000391472	0.001097602
2115 Jun	82.56513977	0.071738996	0.019527951	0.001041298	19.3819561	0.024667168	6.72067976	0.001041298	0.001041298	5.20649E-06	0.007240534	0.001708474	0.009427801	0.036943261	5.20649E-06	30.05831718	2.10599E-05	0.000406517	0.000545999	0.001199176
2115 Jul	75.67205811	0.061132334	0.017238431	0.001090614	17.62354088	0.02895204	6.199620247	0.001090614	0.001090614	5.45307E-06	0.007163164	0.001653816	0.009619159	0.033470757	5.45307E-06	27.17340469	1.89826E-05	0.000360042	0.00047096	0.001179356
2115 Aug	55.84498215	0.045703664	0.010769137	0.001024148	13.22749996	0.035544597	4.740727425	0.001024148	0.001024148	5.12074E-06	0.006110929	0.001320755	0.010312451	0.022872403	5.12074E-06	19.20287704	1.12808E-05	0.000249343	0.00026533	0.000960231
2115 Sep	52.41040421	0.052161403	0.008874381	0.001019093	12.69334507	0.039172512	4.568162918	0.001019093	0.001019093	5.09546E-06	0.00620686	0.00123017	0.011462195	0.020074863	5.09546E-06	17.52226448	9.64253E-06	0.00023184	0.00020343	0.000905808
2115 Oct	52.08154678	0.064234577	0.008115213	0.001010773	12.73570442	0.040076558	4.675583363	0.001010773	0.001010773	5.05387E-06	0.006649757	0.001203222	0.011431105	0.019504873	5.05387E-06	17.18885422	1.07602E-05	0.000225361	0.000189766	0.000920625
2115 Nov	51.34239197	0.07772167	0.007180568	0.000994477	12.69700527	0.04086208	4.767431259	0.000994477	0.000994477	4.97238E-06	0.00711582	0.001163932	0.011321068	0.018709734	4.97238E-06	16.68427849	1.19711E-05	0.000216312	0.000172573	0.000931455
2115 Dec	51.35811615	0.078624055	0.007132617	0.000994678	12.70958424	0.040958308	4.77855587	0.000994678	0.000994678	4.97339E-06	0.00715225	0.00116294	0.011327989	0.018683685	4.97339E-06	16.67341995	1.20577E-05	0.00021602	0.000171735	0.000933203
2116 Jan	51.44935989	0.078728601	0.007158189	0.000994962	12.73329926	0.040956423	4.786736012	0.000994962	0.000994962	4.97481E-06	0.007154902	0.001164558	0.011327696	0.018731916	4.97481E-06	16.7110939	1.20718E-05	0.000216464	0.000172591	0.000934336
2116 Feb	51.58899307	0.07883659	0.007198479	0.000995649	12.76883125	0.040960431	4.798668385	0.000995649	0.000995649	4.97825E-06	0.007158376	0.001167198	0.011330413	0.018805321	4.97825E-06	16.76845932	1.20892E-05	0.000217158	0.000173868	0.00093606
2116 Mar	51.71399689	0.07897041	0.007227212	0.000996972	12.80029774	0.041001696	4.8097229	0.000996972	0.000996972	4.98486E-06	0.007167093	0.001169744	0.011342698	0.018863101	4.98486E-06	16.8155899	1.21102E-05	0.000217742	0.000174727	0.000937889
2116 Apr	52.14509583	0.079596706	0.007293783	0.001004673	12.90729904	0.041311026	4.849497318	0.001004673	0.001004673	5.02337E-06	0.007222007	0.001179337	0.011428759	0.019027188	5.02337E-06	16.95940971	1.22064E-05	0.000219589	0.000176428	0.000945462
2116 May	64.54328918	0.07663776	0.012271351	0.001010435	15.63932228	0.034792859	5.644951344	0.001010435	0.001010435	5.05217E-06	0.007096844	0.001395711	0.010556115	0.02642737	5.05217E-06	22.38118744	1.51777E-05	0.000294477	0.000328522	0.00104894
2116 Jun	62.11042404	0.042916764	0.014581885	0.000950586	13.6752634	0.020208111	4.696740627	0.000950586	0.000950586	4.75293E-06	0.006670804	0.001326047	0.008796131	0.026482994	4.75293E-06	21.66179848	2.01507E-05	0.000316571	0.000375679	0.000916289
2116 Jul	58.28261566	0.035793442	0.013139656	0.001042214	12.2719326	0.022641981	4.232952118	0.001042214	0.001042214	5.21107E-06	0.007350557	0.001289324	0.009807189	0.023659742	5.21107E-06	19.51138878	2.17578E-05	0.000299071	0.000314362	0.000896444
2116 Aug	59.18898773	0.038955908	0.012709316	0.001093402	12.74170017	0.027340431	4.422380924	0.001093402	0.001093402	5.46701E-06	0.007462578	0.001328822	0.010771451	0.023619497	5.46701E-06	19.72106934	2.01854E-05	0.000297243	0.000297961	0.00093047
2116 Sep	53.97913361	0.065657109	0.009114045	0.00102714	12.53347015	0.034826286	4.581096172	0.00102714	0.00102714	5.1357E-06	0.007478477	0.001203111	0.011113542	0.020173658	5.1357E-06	17.56315613	1.62782E-05	0.000247975	0.000215197	0.000920094
2116 Oct	51.49436188	0.093496487	0.006539477	0.000987007	12.67611885	0.040216591	4.868929386	0.000987007	0.000987007	4.93503E-06	0.007934893	0.001127816	0.011159575	0.018189942	4.93503E-06	16.37135887	1.51667E-05	0.000215328	0.000163582	0.000948526
2116 Nov	51.59826279	0.096099988	0.006382349	0.000989816	12.75745106	0.040854909	4.91763401	0.000989816	0.000989816	4.94908E-06	0.008015394	0.001128596	0.01122925	0.018141428	4.94908E-06	16.37290573	1.51719E-05	0.000214101	0.00016056	0.000956039
2116 Dec	51.61185455	0.096159831	0.006381588	0.00099009	12.76160717	0.04087368	4.919484615	0.00099009	0.00099009	4.95045E-06	0.008018435	0.001128873	0.011232897	0.018144978	4.95045E-06	16.37676239	1.51755E-05	0.000214134	0.000160554	0.000956371
2117 Jan	51.6648407	0.096194908	0.006398293	0.000990179	12.77544498	0.040868413	4.924047947	0.000990179	0.000990179	4.9509E-06	0.008018254	0.001129839	0.011231728	0.018174725	4.9509E-06	16.39962578	1.51792E-05	0.0002144	0.000161101	0.000956971
2117 Feb	51.73461533	0.096223213	0.006421742	0.000990261	12.79332924	0.040856265	4.929786205	0.000990261	0.000990261	4.9513E-06	0.008017315	0.001131114	0.011229456	0.018214829	4.9513E-06	16.43013954	1.51838E-05	0.000214763	0.000161855	0.000957711
2117 Mar	51.85705566	0.096395455	0.006445026	0.000991919	12.82395077	0.040916182	4.940955639	0.000991919	0.000991919	4.95959E-06	0.008029862	0.001133654	0.011246509	0.018266434	4.95959E-06	16.47359467	1.52111E-05	0.000215312	0.000162531	0.000959676
2117 Apr	52.39916992	0.097371265	0.006517053	0.001001894	12.95821095	0.041322771	4.992321968	0.001001894	0.001001894	5.00947E-06	0.008110112	0.001145427	0.011358603	0.018462274	5.00947E-06	16.64843559	1.53651E-05	0.000217585	0.000164398	0.000969535
2117 May	65.09825897	0.088682398	0.011878103	0.001010678	15.75793171	0.034709182	5.767150402	0.001010678	0.001010678	5.05339E-06	0.00770908	0.001379839	0.010513018	0.026248991	5.05339E-06	22.32604599	1.74172E-05	0.000295358	0.000324224	0.001069058
2117 Jun	74.88689423	0.062413942	0.017516503	0.001016166	17.24734116	0.023587799	5.976316929	0.001016166	0.001016166	5.08083E-06	0.007136627	0.001565289	0.009335469	0.032868564	5.08083E-06	26.8319664	2.08687E-05	0.000371972	0.000477161	0.001097716
2117 Jul	69.88148499	0.053815957	0.015752915	0.001077191	15.90990257	0.027588502	5.586513996	0.001077191	0.001077191	5.38596E-06	0.007216504	0.001537824	0.009691042	0.030217826	5.38596E-06	24.63673592	1.95585E-05	0.000337221	0.000416897	0.001093883
2117 Aug	64.61638641	0.049916647	0.013682871	0.00109342	14.85621357	0.032184821	5.266561508	0.00109342	0.00109342	5.4671E-06	0.00697736	0.001473576	0.010305567	0.02723998	5.4671E-06	22.45588493	1.65018E-05	0.000302436	0.000350082	0.001058694
2117 Sep	62.03289795	0.059247967	0.012059916	0.001084847	14.51374054	0.035206798	5.218528748	0.001084847	0.001084847	5.42424E-06	0.007173357	0.001408985	0.010835662	0.025251947	5.42424E-06	21.20413208	1.562E-05	0.000284147	0.000304906	0.001039317
2117 Oct	57.09324265	0.078451142	0.009278736	0.00103452	13.75273991	0.038197808	5.117549896	0.00103452	0.00103452	5.1726E-06	0.007556186	0.001276039	0.010950355	0.021919973	5.1726E-06	18.94585991	1.51909E-05	0.000249054	0.000236447	0.001005065
2117 Nov	56.02427673	0.082681164	0.008670623	0.001023819	13.58926296	0.038867299	5.096711636	0.001023819	0.001023819	5.11909E-06	0.007642379	0.001247242	0.010979118	0.021194264	5.11909E-06	18.4550724	1.51003E-05	0.000241416	0.00022147	0.00099784
2117 Dec	56.00140762	0.082970515	0.008642435	0.001023895	13.58904457	0.038930085	5.098883629	0.001023895	0.001023895	5.11947E-06	0.00765218	0.001246455	0.010987923	0.021167718	5.11947E-06	18.43981361	1.51051E-05	0.000241148	0.000220781	0.000998091
2118 Jan	56.07290649	0.083053336	0.008662476	0.001024045	13.60825157	0.038929813	5.105454445	0.001024045	0.001024045	5.12023E-06	0.007653308	0.001247706	0.010987689	0.021205882	5.12023E-06	18.4698391	1.51118E-05	0.000241494	0.000221458	0.000998948
2118 Feb	56.17591095	0.083118476	0.008694828	0.00102428	13.63482571	0.038920227	5.114174843	0.00102428	0.00102428	5.1214E-06	0.007653463	0.001249586	0.010986327	0.021262974	5.1214E-06	18.51385307	1.51207E-05	0.000242018	0.000222502	0.001000106
2118 Mar	56.27206039	0.083213128	0.008718661	0.001025137	13.65902138	0.038942687	5.122569561	0.001025137	0.001025137	5.12568E-06	0.007658991	0.001251501	0.010993397	0.021309242	5.12568E-06	18.55103302	1.51363E-05	0.000242477	0.00022323	0.001001449
2118 Apr	59.55649567	0.085169807	0.009772845	0.001030362	14.50855255	0.038525544	5.399722576	0.001030362	0.001030362	5.15181E-06	0.00764478	0.001310888	0.01092026	0.023154657	5.15181E-06	19.96836853	1.53928E-05	0.000259304	0.000257392	0.001037432
2118 May	76.43347168	0.077703312	0.016896872	0.001005395	18.32481384	0.028560957	6.468254089	0.001005395	0.001005395	5.02697E-06	0.00704638	0.001599007	0.009493956	0.033571832	5.02697E-06	27.59455872	1.82476E-05	0.000363474	0.00047541	0.001157827
2118 Jun	71.2616806	0.051662061	0.017219098	0.000973981	16.12822533	0.020321289	5.529729843	0.000973981	0.000973981	4.8699E-06	0.006744213	0.001493674	0.008757691	0.031456396	4.8699E-06	25.54260445	2.07159E-05	0.000360432	0.00046359	0.001028078
2118 Jul	70.20954132	0.047978077	0.016519114	0.001062299	15.62895393	0.023541732	5.394896984	0.001062299	0.001062299	5.31149E-06	0.00725451	0.00151653	0.009569493	0.030376486	5.31149E-06	24.71601486	2.14488E-05	0.000351889	0.00043173	0.001052872
2118 Aug	58.96151733	0.044840243	0.012104982	0.001039124	13.57061863	0.031843945	4.760512829	0.001039124	0.001039124	5.19562E-06	0.00654061	0.001339774	0.010634802	0.024034776	5.19562E-06	20.19312096	1.45643E-05	0.000280446	0.000295254	0.000948908
2118 Sep	51.80557632	0.076687396	0.00762172	0.000979738	12.6608305	0.038617957	4.721765518	0.000979738	0.000979738	4.89869E-06	0.007150767	0.00115557	0.011107613	0.019006263	4.89869E-06	16.87238503	1.3065E-05	0.000224123	0.000184737	0.000917341
2118 Oct	50.44678116	0.094695583	0.006135564	0.000963148	12.60661125	0.040816572	4.858325005	0.000963148	0.000963148	4.81574E-06	0.007707427	0.001106082	0.011044233	0.017765861	4.81574E-06	16.07383156	1.3939E-05	0.000207207	0.000155241	0.000937093
2118 Nov	50.39610672	0.097307041	0.005952573	0.000963759	12.63160229	0.04123006	4.88874197	0.000963759	0.000963759	4.81879E-06	0.007801877	0.001102498	0.011069568	0.017644212	4.81879E-06	16.00793266	1.4087E-05	0.000205494	0.000151617	0.000942171
2118 Dec	50.43705368	0.097424515	0.005954878	0.000964567	12.64240074	0.041270155	4.893215179	0.000964567	0.000964567	4.82283E-06	0.007809678	0.001103359	0.01107912	0.017657049	4.82283E-06	16.0202198	1.41007E-05	0.000205639	0.00015169	0.000943023
2119 Jan	50.50953293	0.097480588	0.005976067	0.00096488	12.66094971	0.041270681	4.899438381	0.00096488	0.00096488	4.8244E-06	0.007811162	0.00110472	0.011079947	0.017695604	4.8244E-06	16.05025482	1.41091E-05	0.000205999	0.000152367	0.000943909
2119 Feb	50.60794067	0.097544082	0.006005608	0.000965306	12.6859436	0.041269582	4.907719612	0.000965306	0.000965306	4.82653E-06	0.007812749	0.00110658	0.011081	0.017748358	4.82653E-06	16.09122276	1.41199E-05	0.000206494	0.0001533	0.000945085
2119 Mar	50.79986954	0.097844839	0.006038174	0.000968172	12.7342329	0.041381504	4.925640106	0.000968172	0.000968172	4.84086E-06	0.007834921	0.001110617	0.011111789	0.017825667	4.84086E-06	16.15755081	1.41643E-05	0.000207329	0.00015423	0.000948307
2119 Apr	61.42557144	0.101924844	0.009621957	0.000982053	15.44068813	0.039467011	5.79221344	0.000982053	0.000982053	4.91026E-06	0.007705604	0.001305053	0.010772365	0.0239251	4.91026E-06	20.79507065	1.49539E-05	0.000262878	0.000269045	0.001060747
2119 May	90.76491547	0.080795944	0.022291822	0.000970842	21.94185638	0.022667946	7.577468395	0.000970842	0.000970842	4.85421E-06	0.006540133	0.001838507	0.008383999	0.042256199	4.85421E-06	34.09711075	1.942E-05	0.000443663	0.000650251	0.001279813
2119 Jun	73.6762085	0.055594858	0.017761273	0.000984764	16.81871796	0.021003524	5.77751112	0.000984764	0.000984764	4.92382E-06	0.006820765	0.00153816	0.008858897	0.032663718	4.92382E-06	26.52656937	2.07812E-05	0.000370756	0.0004827	0.001062108
2119 Jul	69.52321625	0.048343334	0.016245238	0.001067704	15.37769413	0.023405418	5.303516388	0.001067704	0.001067704	5.33852E-06	0.007414676	0.001495586	0.009770993	0.029761344	5.33852E-06	24.30037498	2.20563E-05	0.000350858	0.000420489	0.001038703
2119 Aug	62.81907272	0.047940306	0.013263482	0.00107215	14.30526257	0.03070219	4.987825871	0.00107215	0.00107215	5.36075E-06	0.006986777	0.001398199	0.010901635	0.02571599	5.36075E-06	21.54327774	1.69002E-05	0.000305403	0.000326786	0.000984404
2119 Sep	54.93634033	0.064733274	0.009319822	0.00101462	13.13245106	0.036826871	4.753663063	0.00101462	0.00101462	5.0731E-06	0.00696002	0.001227781	0.011397208	0.020824281	5.0731E-06	18.20713806	1.34163E-05	0.000249866	0.000222009	0.000923693
2119 Oct	52.51264191	0.083722442	0.007447373	0.000984541	12.88824272	0.039236959	4.845056534	0.000984541	0.000984541	4.92271E-06	0.007450879	0.001157702	0.011196385	0.019094318	4.92271E-06	17.01976585	1.38822E-05	0.000225544	0.000183654	0.000935436
2119 Nov	51.83467102	0.08901041	0.006922654	0.000976437	12.81936359	0.039923426	4.870277882	0.000976437	0.000976437	4.88219E-06	0.00758911	0.001138216	0.011144903	0.018607931	4.88219E-06	16.68637657	1.40113E-05	0.000218747	0.000172834	0.000938746
2119 Dec	51.87202454	0.089137062	0.006923418	0.000977189	12.82955742	0.039964031	4.874649048	0.000977189	0.000977189	4.88594E-06	0.007596893	0.001138992	0.011153885	0.018618962	4.88594E-06	16.69727516	1.40244E-05	0.000218866	0.000172875	0.000939574

Appendix D.2-15: D4

Constituents	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	7.8E-02	9.5E-06	8.5E-01	1.2E+00	1.0E-02	1.2E-04	2.6E+00	9.3E-04	8.6E-03	3.3E-05	4.0E-05	4.1E-05	4.9E-02	1.9E-06	4.8E-05	1.5E-04	1.2E-03	0.0E+00
Operations (2020-2043): Mean	1.0E-01	1.0E-05	1.1E+00	1.8E+00	2.2E-02	3.3E-04	4.0E+00	1.1E-03	1.0E-02	1.5E-04	1.2E-04	5.3E-05	7.5E-02	2.0E-06	6.8E-05	3.9E-04	1.5E-03	0.0E+00
Operations (2020-2043): Max	2.4E-01	1.1E-05	2.2E+00	4.8E+00	1.1E-01	5.2E-04	7.7E+00	1.8E-03	1.2E-02	9.8E-04	2.4E-04	1.3E-04	1.9E-01	2.3E-06	8.2E-05	1.3E-03	2.1E-03	0.0E+00
Active Closure (2044-2050): Min	8.4E-02	9.6E-06	9.0E-01	1.2E+00	1.1E-02	1.3E-04	2.8E+00	9.8E-04	8.9E-03	4.6E-05	6.4E-05	4.4E-05	5.2E-02	1.9E-06	5.0E-05	2.4E-04	1.3E-03	1.5E-06
Active Closure (2044-2050): Mean	9.4E-02	1.0E-05	1.2E+00	1.7E+00	1.7E-02	3.5E-04	6.1E+00	1.1E-03	1.0E-02	1.0E-04	1.2E-04	5.0E-05	7.4E-02	2.1E-06	6.9E-05	3.5E-04	1.6E-03	4.7E-05
Active Closure (2044-2050): Max	1.5E-01	1.1E-05	1.5E+00	2.9E+00	6.0E-02	4.7E-04	1.4E+01	1.4E-03	1.1E-02	5.0E-04	2.4E-04	8.5E-05	1.2E-01	2.4E-06	7.9E-05	8.5E-04	2.1E-03	1.8E-04
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	8.2E-02	9.4E-06	9.0E-01	1.3E+00	1.1E-02	1.2E-04	2.7E+00	9.7E-04	8.9E-03	3.7E-05	2.9E-05	4.1E-05	5.2E-02	1.9E-06	5.1E-05	1.8E-04	1.1E-03	1.1E-39
Post Closure (2051-2119): Mean	1.2E-01	1.0E-05	1.2E+00	2.1E+00	3.0E-02	3.6E-04	4.4E+00	1.2E-03	1.1E-02	2.2E-04	1.1E-04	6.0E-05	8.7E-02	2.0E-06	7.1E-05	4.6E-04	1.5E-03	3.6E-08
Post Closure (2051-2119): Max	2.3E-01	1.2E-05	2.1E+00	4.7E+00	1.1E-01	5.3E-04	7.7E+00	1.8E-03	1.2E-02	8.0E-04	2.3E-04	1.1E-04	1.8E-01	2.3E-06	8.3E-05	1.2E-03	2.2E-03	1.5E-06
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2119)																		
2020 Jan	0.231854945	1E-05	2.109448433	4.633258343	0.110301897	0.000197733	7.54199934	0.001801912	0.011505975	0.000956	0.00023	0.00013	0.180063725	2E-06	7.50598E-05	0.001301912	0.001824343	0
2020 Feb	0.232202023	1E-05	2.11233139	4.64133358	0.110523753	0.000197961	7.553731918	0.001803782	0.011511819	0.000956	0.00023	0.00013	0.18037048	2E-06	7.51182E-05	0.001303782	0.0018237	0
2020 Mar	0.232440516	1.00023E-05	2.11435461	4.646707058	0.110667475	0.000198128	7.561726093	0.001805194	0.011517584	0.00095622	0.000230053	0.00013003	0.18057555	2.00046E-06	7.51666E-05	0.001305079	0.001823777	0
2020 Apr	0.233126909	1.00274E-05	2.120517254	4.660764694	0.111011013	0.000198693	7.5841856	0.00181028	0.011548238	0.000958622	0.000230631	0.000130356	0.181119755	2.00548E-06	7.53727E-05	0.001308909	0.001828167	0
2020 May	0.238164246	1.02452E-05	2.166357756	4.761385441	0.113405347	0.000202991	7.748028755	0.00184946	0.011798643	0.000979445	0.000235641	0.000133188	0.185030475	2.04905E-06	7.70055E-05	0.001337198	0.001867929	0
2020 Jun	0.119831115	9.9349E-06	1.177738905	2.031867027	0.038940147	0.000123886	3.756990671	0.001194818	0.009570561	0.000316643	0.000228503	6.45407E-05	0.081214577	1.98698E-06	5.5966E-05	0.000698073	0.002017123	0
2020 Jul	0.101705387	1.03118E-05	1.028683782	1.571071029	0.02454376	0.000124306	3.183193922	0.001103234	0.009530826	0.000191745	0.000217739	5.30172E-05	0.063866116	2.06237E-06	5.40609E-05	0.000548774	0.002031656	0
2020 Aug	0.104622297	1.08159E-05	1.077744484	1.630305529	0.023669131	0.000157758	3.409207582	0.001140374	0.009930804	0.000183538	0.000203391	5.50009E-05	0.06668403	2.16318E-06	5.70332E-05	0.000508175	0.002007351	0
2020 Sep	0.096778937	1.03269E-05	1.079811573	1.65488553	0.017662387	0.000314676	3.684056997	0.001067072	0.010145675	0.000114603	0.000126966	4.94029E-05	0.06817966	2.06538E-06	6.59412E-05	0.0003648	0.00161618	0
2020 Oct	0.093687735	9.98188E-06	1.085896492	1.70828557	0.013272719	0.000442979	3.932048559	0.001014783	0.010643989	6.48114E-05	7.12787E-05	4.3835E-05	0.070088737	1.99637E-06	7.53048E-05	0.000274528	0.001332299	0
2020 Nov	0.093031541	9.90882E-06	1.086691856	1.718321443	0.012387684	0.000468523	3.980219364	0.001003906	0.01073971	5.48061E-05	6.00891E-05	4.27018E-05	0.07044401	1.98176E-06	7.71522E-05	0.000256328	0.001274878	0
2020 Dec	0.093024924	9.90804E-06	1.086816788	1.7187289	0.012367729	0.000469179	3.981758833	0.001003744	0.010743046	5.45722E-05	5.98274E-05	4.26789E-05	0.070459366	1.98161E-06	7.72039E-05	0.000255917	0.00127363	0
2021 Jan	0.093216851	9.90828E-06	1.088364482	1.723065853	0.012492396	0.000469189	3.987818956	0.001004805	0.010746099	5.51319E-05	5.9898E-05	4.27342E-05	0.070623532	1.98166E-06	7.72301E-05	0.000257078	0.001273642	0
2021 Feb	0.093490899	9.91014E-06	1.090580225	1.72907877	0.012667349	0.000469117	3.996217728	0.001006417	0.01075095	5.595E-05	6.00614E-05	4.28202E-05	0.070851877	1.98203E-06	7.72644E-05	0.000258778	0.001274119	0
2021 Mar	0.093681082	9.91547E-06	1.092263579	1.733111501	0.012768304	0.000469282	4.002538681	0.001007734	0.010758275	5.64207E-05	6.01766E-05	4.28857E-05	0.071007289	1.98309E-06	7.73168E-05	0.000259818	0.001274934	0
2021 Apr	0.093857259	9.92568E-06	1.094013214	1.736663818	0.012835095	0.000469715	4.009036541	0.001009214	0.010770231	5.67298E-05	6.02858E-05	4.29541E-05	0.071147233	1.98514E-06	7.74025E-05	0.000260598	0.00127632	0
2021 May	0.098357484	1.00828E-05	1.133452892	1.827480555	0.015175672	0.000471118	4.149460793	0.001042427	0.010955194	7.73246E-05	6.49494E-05	4.55345E-05	0.074653722	2.01656E-06	7.85649E-05	0.000287531	0.001308315	0
2021 Jun	0.099018477	9.94619E-06	1.039573073	1.627279997	0.02310407	0.000205003	3.347994566	0.001071531	0.009657869	0.000168244	0.00018491	5.07296E-05	0.066149883	1.98924E-06	5.92483E-05	0.000508357	0.001852834	0
2021 Jul	0.095519908	1.03543E-05	0.992174149	1.457735538	0.018675385	0.00016972	3.133360624	0.001060526	0.009653389	0.000138097	0.000189859	4.82941E-05	0.059721656	2.07085E-06	5.62793E-05	0.000456578	0.001912134	0
2021 Aug	0.095847212	1.0584E-05	1.021878004	1.48987782	0.017144026	0.000207307	3.33119297	0.001068139	0.00974182	0.000125471	0.000160578	4.95483E-05	0.061595537	2.1168E-06	5.76068E-05	0.000380349	0.001785683	0
2021 Sep	0.090981908	1.01482E-05	1.046965599	1.573009372	0.013597253	0.000351383	3.650217533	0.001020224	0.010009882	7.73593E-05	9.76926E-05	4.60508E-05	0.06528575	2.02963E-06	6.65226E-05	0.000282027	0.001463441	0
2021 Oct	0.091436207	1.00061E-05	1.071401954	1.658332348	0.011856464	0.000440409	3.882662535	0.001003818	0.010520383	5.35179E-05	6.59964E-05	4.32671E-05	0.068374909	2.00121E-06	7.41203E-05	0.000245903	0.001308906	0
2021 Nov	0.091778859	1.00373E-05	1.076036811	1.667046547	0.011842529	0.000444875	3.904125214	0.001006886	0.010574667	5.29366E-05	6.52051E-05	4.3332E-05	0.068720303	2.00747E-06	7.46325E-05	0.000245614	0.001308588	0
2021 Dec	0.091848403	1.00444E-05	1.076907039	1.668530703	0.011846345	0.000445461	3.907694578	0.001007588	0.010583994	5.29077E-05	6.51627E-05	4.33562E-05	0.068780258	2.00888E-06	7.47098E-05	0.000245693	0.001309118	0
2022 Jan	0.091973841	1.0045E-05	1.077938318	1.671367168	0.011924814	0.000445518	3.911753178	0.001008299	0.010586664	5.32591E-05	6.52044E-05	4.33923E-05	0.068887711	2.00899E-06	7.4733E-05	0.000246437	0.001309163	0
2022 Feb	0.092137173	1.00452E-05	1.079232335	1.67498982	0.012032749	0.000445448	3.916687727	0.001009217	0.010588896	5.37637E-05	6.52983E-05	4.34419E-05	0.069024749	2.00905E-06	7.47494E-05	0.000247477	0.001309338	0
2022 Mar	0.092260979	1.00492E-05	1.080344796	1.67759645	0.012096126	0.000445578	3.920855522	0.001010099	0.010594109	5.40591E-05	6.53741E-05	4.34853E-05	0.069125488	2.00984E-06	7.47866E-05	0.000248138	0.001309927	0
2022 Apr	0.093100831	1.01352E-05	1.089985609	1.693071961	0.012233312	0.000449366	3.955919266	0.001019021	0.010685377	5.46791E-05	6.59623E-05	4.38726E-05	0.069759324	2.02704E-06	7.54311E-05	0.000250584	0.001321181	0
2022 May	0.094961442	1.03354E-05	1.1116817	1.726991296	0.012489808	0.000458222	4.034681797	0.001039268	0.010896633	5.58453E-05	6.72808E-05	4.47473E-05	0.071155228	2.06707E-06	7.69222E-05	0.00025568	0.001347306	0
2022 Jun	0.087781653	1.00607E-05	0.975872576	1.418360949	0.013767328	0.000265933	3.196404457	0.00100875	0.009797634	8.03225E-05	0.000151995	4.34044E-05	0.058593061	2.01214E-06	6.2065E-05	0.000381411	0.001729266	0
2022 Jul	0.084807813	9.71424E-06	0.86907208	1.20872581	0.012824382	0.000141897	2.765084267	0.000946424	0.008782526	9.927E-05	0.000158123	4.17789E-05	0.049900625	1.94285E-06	4.91998E-05	0.000331947	0.001685454	0
2022 Aug	0.088599131	1.02277E-05	0.941420257	1.317589879	0.012600663	0.000193213	3.108472347	0.000991952	0.009180166	9.50955E-05	0.00013365	4.5201E-05	0.054912809	2.04554E-06	5.29149E-05	0.000277593	0.001611169	0
2022 Sep	0.086929627	1.00481E-05	1.00005281	1.456429005	0.011342099	0.000322882	3.483566046	0.000985882	0.009592753	6.50534E-05	8.96092E-05	4.45868E-05	0.06090796	2.00961E-06	6.20897E-05	0.000228595	0.001405701	0
2022 Oct	0.08835306	9.92238E-06	1.032731175	1.562486172	0.010600599	0.000406435	3.722759008	0.000979866	0.010127825	4.88981E-05	6.52857E-05	4.25622E-05	0.064768918	1.98448E-06	6.97673E-05	0.000215505	0.00128952	0
2022 Nov	0.088781789	9.96435E-06	1.038089633	1.571819305	0.010632282	0.000410075	3.74470377	0.000984149	0.010185021	4.87685E-05	6.50531E-05	4.27101E-05	0.065144204	1.99287E-06	7.02478E-05	0.000216193	0.001292812	0
2022 Dec	0.088846989	9.97054E-06	1.038914919	1.573290586	0.010636516	0.000410678	3.748156071	0.000984787	0.010193959	4.87379E-05	6.50014E-05	4.27308E-05	0.065203086	1.99411E-06	7.0325E-05	0.000216286	0.001293225	0
2023 Jan	0.088977806	9.97097E-06	1.039996743	1.576288581	0.010718788	0.000410763	3.752432346	0.000985522	0.010196876	4.91051E-05	6.50432E-05	4.27677E-05	0.065316483	1.99419E-06	7.03519E-05	0.000217083	0.001293255	0
2023 Feb	0.089148283	9.97128E-06	1.041353822	1.58008635	0.010831175	0.000410708	3.75761652	0.000986482	0.010199366	4.96297E-05	6.51402E-05	4.28193E-05	0.065460108	1.99426E-06	7.0371E-05	0.000218175	0.001293441	0
2023 Mar	0.089249708	9.97239E-06	1.042192698	1.5823071	0.010893479	0.000410717	3.760800362	0.0009871	0.010201695	4.99204E-05	6.51993E-05	4.28515E-05	0.06554465	1.99448E-06	7.03882E-05	0.000218791	0.001293665	0
2023 Apr	0.089727998	1.002E-05	1.047580361	1.591028571	0.010980409	0.000412657	3.780331373	0.000992101	0.010251069	5.03218E-05	6.55402E-05	4.30717E-05	0.065901652	2.004E-06	7.07294E-05	0.000220174	0.001299886	0
2023 May	0.10521581	1.01834E-05	1.169496536	1.917055488	0.020951614	0.000398227	4.213244438	0.001088292	0.010543708	0.000140581	8.2861E-05	5.23661E-05	0.078238055	2.03668E-06	7.23198E-05	0.000330476	0.001373175	0
2023 Jun	0.123670369	9.79514E-06	1.222908378	2.167448521	0.04079999	0.000167033	4.030637264	0.001201715	0.009679263	0.000332419	0.000203205	6.6425E-05	0.086495832	1.95903E-06	5.87233E-05	0.000675679	0.001872442	0
2023 Jul	0.101191148	1.00286E-05	1.022706151	1.589345694	0.02421576	0.000143324	3.250717878	0.001075596	0.009354101	0.000191632	0.000193746	5.23636E-05	0.064518474	2.00573E-06	5.3849E-05	0.000503339	0.001879853	0
2023 Aug	0.102491342	1.04588E-05	1.053604007	1.609719753	0.021919819	0.000179	3.445558071	0.001092452	0.009647463	0.000173772	0.000168211	5.31147E-05	0.065832302	2.09176E-06	5.60073E-05	0.000426574	0.001790482	0
2023 Sep	0.097393341	1.04352E-05	1.077684999	1.627251029	0.018962426	0.00026398	3.63333106	0.00107855	0.009708849	0.00013494	0.00013168	5.2564E-05	0.067505129	2.08703E-06	6.02421E-05	0.00035011	0.001630637	0
2023 Oct	0.096540548	1.03296E-05	1.086059213	1.662441611	0.017051918	0.000326621	3.760720015	0.001060986	0.01004588	0.000111711	0.000109302	4.99766E-05	0.068746731	2.06592E-06	6.54339E-05	0.000319116	0.00152344	0
2023 Nov	0.096918568	1.03682E-05	1.092597485	1.675295591	0.016894819	0.000336235	3.795876265	0.001064098	0.010139377	0.000109319	0.000107006	4.98993E-05	0.069251113	2.07364E-06	6.64241E-05	0.000316781	0.001517481	0
2023 Dec	0.096963614	1.03729E-05	1.093281269	1.676562905	0.016885426	0.000337033	3.799214125	0.001064513	0.010148261	0.000109152	0.000106846	4.99015E-05	0.069301412	2.07458E-06	6.65115E-05	0.000316653	0.001517268	0
2024 Jan	0.097110614	1.03724E-05	1.094501019	1.680066228	0.016978303	0.000337222	3.804276705	0.001065271	0.010151487	0.000109522	0.000106837	4.99354E-05	0.069433391	2.07449E-06	6.65469E-05	0.000317491	0.001516939	0
2024 Feb	0.097315691	1.03722E-05	1.096130848	1.684702873	0.017114319	0.000337194	3.810621977	0.001066387	0.010154332	0.000110134	0.000106927	4.99936E-05	0.069608442	2.07444E-06	6.65715E-05	0.000318782	0.001516973	0
2024 Mar	0.09756089	1.03864E-05	1.098523974	1.689536333	0.017211629	0.000337643	3.819309473	0.00106846	0.010169856	0.000110618	0.000107123	5.0094E-05	0.069799192	2.07728E-06	6.66765E-05	0.00031992	0.00151908	0
2024 Apr	0.097891904	1.0415E-05	1.102046132	1.695596218	0.017300151	0.000338565	3.83175993	0.001071745	0.010198769	0.000111108	0.000107446	5.02497E-05	0.070044562	2.083E-06	6.68679E-05	0.000321192	0.00152328	0
2024 May	0.127335697	1.04441E-05	1.327526212	2.336103916	0.037174962	0.000312463	4.65942955	0.001238285	0.010589568	0.000291534	0.000134644	6.77276E-05	0.094105132	2.08882E-06	6.93459E-05	0.000532427	0.001604382	0
2024 Jun	0.164405718	9.8466E-06	1.555118561	3.094516516	0.067249365	0.000173056	5.340769768	0.001427256	0.010310454	0.00057096	0.00021465	9.06669E-05	0.121673331	1.96932E-06	6.43034E-05	0.00091436	0.001857162	0
2024 Jul	0.157072842	1.05161E-05	1.502075195	2.864123583	0.059347585	0.000173803	5.088496208	0.001417079	0.010675037	0.000500829	0.000221271	8.56062E-05	0.113173738	2.10322E-06	6.51751E-05	0.000852647	0.001973722	0
2024 Aug	0.148419291	1.0846E-05	1.47668016	2.714651823	0.052366242	0.000220839	5.040302753	0.001391693	0.010724586	0.000433987	0.000194327	8.24784E-05	0.108430594	2.16919E-06	6.65133E-05	0.000739852	0.001892846	0
2024 Sep	0.124834158	1.04638E-05	1.337844968	2.334504604	0.036664646	0.000332805	4.690830708	0.001241304	0.010529932	0.000281734	0.000130501	6.85072E-05	0.094576307	2.09277E-06	7.00395E-05	0.000523312	0.00159698	0
2024 Oct	0.118597262	1.03894E-05	1.296925545	2.231003046	0.031004285	0.000386349	4.620916843	0.001193092	0.010758826	0.000226823	0.000107434	6.2635E-05	0.090524346	2.07789E-06	7.37836E-05	0.000455505	0.001496574	0
2024 Nov	0.115808286	1.03553E-05	1.278579712	2.184695482	0.028480195	0.000410162	4.589348793	0.001171508	0.010859787	0.000202343	9.71492E-05	6.00136E-05	0.088711157	2.07106E-06	7.54445E-05	0.00042526	0.001451713	0
2024 Dec	0.115816645	1.03613E-05	1.27897501	2.185006857	0.028437482	0.000411013	4.591603279	0.001171754	0.0108694	0.000201881	9.69628E-05	5.99893E-05	0.088725433	2.07226E-06	7.55347E-05	0.000424804	0.001451576	0
2025 Jan	0.115962602	1.03609E-05	1.280142426	2.188379765	0.028529665	0.000411122	4.596402645	0.001172499	0.010872214	0.000202172	9.697E-05	6.00141E-05	0.088852167	2.07218E-06	7.55631E-05	0.000425632	0.001451314	0
2025 Feb	0.116203293	1.0362E-05	1.282070994	2.193696499	0.028683918	0.000411078	4.603802204	0.001173874	0.010876348	0.000202842	9.70964E-05	6.00818E-05	0.089053497	2.0724E-06	7.55942E-05	0.000427117	0.001451594	0
2025 Mar	0.116356544	1.03646E-05	1.283365369	2.197011232	0.028773453	0.000411133	4.608709335	0.001174846	0.010880663	0.000203246	9.71838E-05	6.01302E-05	0.089180142	2.07291E-06	7.56254E-05	0.000428007	0.001452022	0
2025 Apr	0.116580576	1.03782E-05	1.285610914	2.201480865	0.028858244	0.000411647	4.616920471	0.00117678	0.010895912	0.000203714	9.73478E-05	6.02284E-05	0.089357071	2.07564E-06	7.57321E-05	0.000429017	0.001453973	0

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.119221762	1.06106E-05	1.314636111	2.251451015	0.029524906	0.000420844	4.721203327	0.0012033	0.011140274	0.000208387	9.95476E-05	6.15876E-05	0.091383383	2.12212E-06	7.74305E-05	0.000438825	0.001486569	0
2025 Jun	0.098521248	1.01749E-05	1.063631654	1.646569371	0.021489808	0.000243858	3.483191967	0.001081732	0.009875706	0.000149833	0.000168782	5.0961E-05	0.06737633	2.03498E-06	6.18818E-05	0.000467358	0.001801862	0
2025 Jul	0.08776357	1.00937E-05	0.913027525	1.273476958	0.015136032	0.000139068	2.812760353	0.001004544	0.009180272	0.000110416	0.000190884	4.43657E-05	0.052568682	2.01874E-06	5.19386E-05	0.000420633	0.001896843	0
2025 Aug	0.091923274	1.05653E-05	0.970486164	1.361149192	0.014725878	0.000176621	3.102468491	0.001041542	0.009555113	0.000108444	0.000168399	4.69489E-05	0.056478586	2.11306E-06	5.48096E-05	0.000366091	0.001823131	0
2025 Sep	0.090607427	1.04729E-05	1.006546497	1.440555692	0.013623191	0.000256986	3.347128153	0.001035601	0.00974981	8.84402E-05	0.000135772	4.68096E-05	0.060060892	2.09457E-06	5.98976E-05	0.000317926	0.001668479	0
2025 Oct	0.090430453	1.01806E-05	1.03153193	1.540030599	0.012140599	0.000355751	3.603785276	0.001010206	0.010166037	6.54057E-05	9.75284E-05	4.40275E-05	0.063742891	2.03612E-06	6.75926E-05	0.000275564	0.001468518	0
2025 Nov	0.09054435	1.01003E-05	1.042066813	1.577022195	0.011656961	0.000390216	3.6985147	0.001003469	0.010327999	5.76539E-05	8.46371E-05	4.3161E-05	0.0651251	2.02005E-06	7.03547E-05	0.000261607	0.001402963	0
2025 Dec	0.090608031	1.0106E-05	1.042934418	1.578642249	0.011657886	0.000390986	3.702430725	0.001004058	0.010337437	5.75802E-05	8.45069E-05	4.31779E-05	0.065189891	2.0212E-06	7.04432E-05	0.000261583	0.001402967	0
2026 Jan	0.090780862	1.01066E-05	1.044385314	1.582641125	0.011765638	0.000391136	3.708244324	0.001005028	0.010341337	5.80551E-05	8.45363E-05	4.32271E-05	0.065341569	2.02132E-06	7.04803E-05	0.000262578	0.001402884	0
2026 Feb	0.091005601	1.0107E-05	1.046182871	1.587671041	0.011913751	0.000391079	3.715153933	0.001006289	0.010344565	5.87435E-05	8.4651E-05	4.32952E-05	0.065531977	2.02139E-06	7.05058E-05	0.000263993	0.001403055	0
2026 Mar	0.091210417	1.01163E-05	1.048108697	1.591848731	0.012005272	0.000391402	3.722280025	0.001007886	0.010355677	5.9172E-05	8.479E-05	4.33715E-05	0.065695032	2.02325E-06	7.05834E-05	0.000265003	0.001404417	0
2026 Apr	0.091660544	1.01585E-05	1.05303669	1.600049257	0.012101416	0.000393015	3.73994565	0.001012479	0.010399844	5.96329E-05	8.51791E-05	4.35734E-05	0.066028118	2.03171E-06	7.08856E-05	0.000266548	0.001410323	0
2026 May	0.097954899	1.03231E-05	1.106529474	1.729820848	0.01563854	0.000392959	3.931628942	0.001056228	0.010611423	9.10728E-05	9.15228E-05	4.72378E-05	0.07100524	2.06463E-06	7.22134E-05	0.000306167	0.001447985	0
2026 Jun	0.107827924	9.7585E-06	1.086228251	1.792174935	0.031068482	0.000146348	3.45879817	0.001115735	0.009357552	0.000245504	0.000208311	5.72014E-05	0.072160013	1.9517E-06	5.53589E-05	0.000601946	0.001922507	0
2026 Jul	0.101489753	1.02671E-05	1.033365607	1.585843921	0.024292184	0.000140011	3.227673054	0.001099183	0.009566176	0.000188149	0.000210498	5.27844E-05	0.064478032	2.05342E-06	5.50565E-05	0.000538166	0.001993974	0
2026 Aug	0.101027429	1.05231E-05	1.04246366	1.570561409	0.020586027	0.000180217	3.401972771	0.001086595	0.009672667	0.000162012	0.000167365	5.21401E-05	0.064375646	2.10462E-06	5.60264E-05	0.000413009	0.001795501	0
2026 Sep	0.100413881	1.06036E-05	1.068948865	1.614876866	0.019312618	0.000234678	3.563532352	0.00109024	0.009933671	0.000143741	0.000148742	5.1841E-05	0.066440694	2.12072E-06	6.00781E-05	0.00038207	0.001723167	0
2026 Oct	0.096651934	1.02288E-05	1.068335652	1.64837265	0.015973229	0.000336512	3.727037668	0.001043113	0.010232574	0.000103121	0.000106811	4.7298E-05	0.067672431	2.04576E-06	6.72062E-05	0.000318767	0.001503684	0
2026 Nov	0.097045355	1.02708E-05	1.073353648	1.656677961	0.015993839	0.00033976	3.747250557	0.001047252	0.010285618	0.000102942	0.000106629	4.74464E-05	0.068011053	2.05416E-06	6.7639E-05	0.000319233	0.001507174	0
2026 Dec	0.097092211	1.02759E-05	1.074030757	1.657856464	0.015991025	0.000340369	3.7502563	0.001047733	0.010293287	0.00010285	0.000106534	4.74588E-05	0.068058886	2.05517E-06	6.77095E-05	0.00031919	0.001507278	0
2027 Jan	0.097200662	1.02763E-05	1.074966431	1.660422206	0.016057737	0.000340519	3.754067183	0.001048342	0.010296024	0.00010312	0.000106535	4.74877E-05	0.068156406	2.05525E-06	6.77371E-05	0.000319793	0.001507149	0
2027 Feb	0.09734454	1.02764E-05	1.076127172	1.663673043	0.01615249	0.000340506	3.758563042	0.001049146	0.010298164	0.000103549	0.000106599	4.75303E-05	0.068279527	2.05528E-06	6.77552E-05	0.00032069	0.001507213	0
2027 Mar	0.097506709	1.02853E-05	1.077685237	1.666876435	0.016218072	0.000340791	3.764246225	0.001050486	0.01030818	0.000103872	0.000106726	4.75943E-05	0.068405382	2.05706E-06	6.78232E-05	0.000321456	0.001508544	0
2027 Apr	0.098212697	1.03551E-05	1.085353851	1.679192781	0.016357645	0.000343097	3.791169643	0.001057859	0.010378728	0.00010471	0.00010747	4.79302E-05	0.068907604	2.07102E-06	6.82886E-05	0.000323915	0.00151879	0
2027 May	0.103803441	1.05738E-05	1.135516286	1.791950345	0.019128578	0.000346913	3.9708395	0.001100231	0.010636017	0.000128871	0.00011298	5.1092E-05	0.073276371	2.11477E-06	6.99648E-05	0.000356144	0.001560057	0
2027 Jun	0.087811224	9.8299E-06	0.923995316	1.327347279	0.017593151	0.000143613	2.816128254	0.001008727	0.009103532	0.000124477	0.000202811	4.524E-05	0.054572318	1.96598E-06	5.27703E-05	0.00047873	0.001940008	0
2027 Jul	0.088664979	1.04008E-05	0.926530182	1.270792484	0.015930515	0.000122741	2.758244514	0.001039856	0.00941828	0.000112749	0.000219433	4.539E-05	0.052530907	2.08016E-06	5.28163E-05	0.000482053	0.002076616	0
2027 Aug	0.091448694	1.08487E-05	0.990855157	1.364318013	0.015691342	0.000170461	3.05549407	0.001080497	0.009759892	0.000107104	0.000198999	4.84387E-05	0.05692856	2.16974E-06	5.62376E-05	0.000437406	0.002019263	0
2027 Sep	0.089186743	1.054E-05	1.030494571	1.473282814	0.013629983	0.000291054	3.413337946	0.001051082	0.009935426	7.72211E-05	0.000139347	4.72689E-05	0.061716624	2.108E-06	6.31005E-05	0.000340897	0.001711965	0
2027 Oct	0.089693211	1.03036E-05	1.048071861	1.55303216	0.01240757	0.000366369	3.623049021	0.001028251	0.010266571	6.09928E-05	0.000106247	4.4914E-05	0.064565614	2.06073E-06	6.89337E-05	0.000299477	0.001534857	0
2027 Nov	0.090256311	1.0303E-05	1.057238102	1.57852757	0.012198758	0.000384917	3.687776327	0.001028353	0.010391625	5.76994E-05	9.94378E-05	4.46173E-05	0.065522067	2.0606E-06	7.05741E-05	0.000291794	0.001503283	0
2027 Dec	0.090319164	1.03068E-05	1.058108449	1.580443621	0.012192379	0.000386028	3.692522526	0.00102874	0.010402003	5.75489E-05	9.91192E-05	4.46183E-05	0.06559629	2.06135E-06	7.06859E-05	0.000291501	0.001502191	0
2028 Jan	0.090513982	1.03063E-05	1.059689522	1.584981203	0.012316468	0.000386178	3.699019432	0.001029746	0.010405566	5.80994E-05	9.91213E-05	4.46697E-05	0.065767363	2.06125E-06	7.07227E-05	0.000292591	0.001501803	0
2028 Feb	0.090787269	1.03073E-05	1.061887383	1.591054678	0.01249213	0.000386146	3.707496405	0.001031299	0.010410166	5.89181E-05	9.92524E-05	4.47526E-05	0.065997452	2.06147E-06	7.07584E-05	0.000294262	0.001502042	0
2028 Mar	0.090952612	1.03099E-05	1.063281417	1.594646692	0.012589525	0.000386204	3.712798119	0.001032338	0.010414671	5.93721E-05	9.93425E-05	4.48061E-05	0.066134639	2.06198E-06	7.07914E-05	0.000295222	0.001502462	0
2028 Apr	0.091396548	1.03512E-05	1.068170309	1.602817059	0.012692578	0.000387729	3.730111361	0.001036909	0.010457448	5.98552E-05	9.97769E-05	4.50092E-05	0.066466913	2.07024E-06	7.10835E-05	0.0002969	0.001508505	0
2028 May	0.093067549	1.05347E-05	1.087496519	1.632347226	0.012951868	0.000394563	3.79771018	0.001055569	0.010643385	6.1152E-05	0.00010158	4.58296E-05	0.067687228	2.10693E-06	7.23472E-05	0.000302501	0.001535313	0
2028 Jun	0.083743803	9.86933E-06	0.902956843	1.255377173	0.014692109	0.000161634	2.747289658	0.000990679	0.009143992	9.53011E-05	0.000196566	4.29108E-05	0.051994555	1.97387E-06	5.37038E-05	0.00044827	0.001925041	0
2028 Jul	0.086610407	1.02822E-05	0.911403239	1.240739465	0.015143346	0.000126176	2.708794594	0.001024079	0.009320781	0.000104673	0.000216339	4.43342E-05	0.051381662	2.05644E-06	5.25235E-05	0.000472707	0.002053859	0
2028 Aug	0.092865042	1.10637E-05	0.992503703	1.355035901	0.01588022	0.000155527	3.003272533	0.001099826	0.00999846	0.000108312	0.000217963	4.82483E-05	0.056348141	2.21274E-06	5.70132E-05	0.000476104	0.002136247	0
2028 Sep	0.093506657	1.09619E-05	1.030679584	1.457710505	0.014737445	0.000242245	3.295054674	0.001090922	0.010338991	9.0931E-05	0.000179426	4.74125E-05	0.060503915	2.19237E-06	6.31698E-05	0.000420337	0.001946143	0
2028 Oct	0.091548502	1.02176E-05	1.056484938	1.606174827	0.011745866	0.000408278	3.729590654	0.001019277	0.010680987	5.2476E-05	9.47174E-05	4.25517E-05	0.066090077	2.04352E-06	7.37075E-05	0.000297681	0.001475621	0
2028 Nov	0.092133455	1.02241E-05	1.068644285	1.636867166	0.011514694	0.000430416	3.810893774	0.00102022	0.010812981	4.86395E-05	8.6083E-05	4.23821E-05	0.067294575	2.04483E-06	7.55322E-05	0.000286589	0.001435998	0
2028 Dec	0.092189372	1.02294E-05	1.069382668	1.638200164	0.011516593	0.000431002	3.814161777	0.001020746	0.010820602	4.85997E-05	8.59817E-05	4.24005E-05	0.067348421	2.04587E-06	7.56005E-05	0.000286547	0.001436054	0
2029 Jan	0.092327446	1.02291E-05	1.070507765	1.641399145	0.011606906	0.000431054	3.818692446	0.00102148	0.01082264	4.90077E-05	8.59993E-05	4.24403E-05	0.067469545	2.04581E-06	7.56209E-05	0.000287339	0.001435854	0
2029 Feb	0.092512727	1.02289E-05	1.071969509	1.64554584	0.01173146	0.000430966	3.824315786	0.001022497	0.010824686	4.95919E-05	8.60921E-05	4.24967E-05	0.067626394	2.04579E-06	7.56366E-05	0.000288506	0.001435927	0
2029 Mar	0.092639647	1.02317E-05	1.073066592	1.648267746	0.011802664	0.000431039	3.828452587	0.001023338	0.010828831	4.99243E-05	8.61668E-05	4.25393E-05	0.067730851	2.04634E-06	7.56663E-05	0.000289224	0.001436369	0
2029 Apr	0.092850834	1.02486E-05	1.075300097	1.652289391	0.011860942	0.000431727	3.83654809	0.00102535	0.010847422	5.01886E-05	8.63384E-05	4.26274E-05	0.067891896	2.04973E-06	7.57967E-05	0.000290066	0.001438774	0
2029 May	0.095084086	1.03614E-05	1.096231461	1.696394563	0.012837807	0.000434576	3.911391258	0.001043505	0.010974766	5.84768E-05	8.85317E-05	4.38505E-05	0.069615692	2.07228E-06	7.66413E-05	0.000301984	0.00145818	0
2029 Jun	0.095760748	1.01512E-05	1.042298555	1.597424507	0.018220216	0.000278319	3.459546804	0.001055455	0.0101092	0.00011856	0.000155476	4.72528E-05	0.065304846	2.03025E-06	6.48299E-05	0.000431524	0.001745444	0
2029 Jul	0.085603833	9.87738E-06	0.883134246	1.223663211	0.013770412	0.000135864	2.749615669	0.000971245	0.008945803	0.00010301	0.000176971	4.26807E-05	0.050526679	1.97548E-06	5.01991E-05	0.000379245	0.001801908	0
2029 Aug	0.08945749	1.0331E-05	0.947363496	1.324029446	0.013275502	0.00018436	3.084333897	0.001007298	0.0092936	9.9212E-05	0.000147537	4.56133E-05	0.055092111	2.0662E-06	5.33692E-05	0.000311297	0.001692944	0
2029 Sep	0.090236299	1.04113E-05	0.998850822	1.4307127	0.012666609	0.000265266	3.369255066	0.001020531	0.009709645	8.30419E-05	0.000122096	4.59942E-05	0.059639353	2.08226E-06	5.97625E-05	0.000282671	0.001590559	0
2029 Oct	0.090723164	1.02432E-05	1.027969956	1.525837183	0.01175515	0.000347886	3.599630833	0.001009306	0.0101294	6.55892E-05	9.43314E-05	4.41442E-05	0.063215666	2.04865E-06	6.66467E-05	0.000258352	0.001452791	0
2029 Nov	0.091132522	1.02321E-05	1.038681149	1.55509007	0.011557447	0.000370232	3.670176744	0.001009578	0.010269118	6.13041E-05	8.7483E-05	4.38064E-05	0.064333767	2.04642E-06	6.86266E-05	0.000252904	0.001421893	0
2029 Dec	0.091177046	1.02358E-05	1.039329052	1.55636704	0.011557298	0.000370894	3.673225641	0.001009972	0.01027631	6.12282E-05	8.73576E-05	4.38154E-05	0.06438446	2.04715E-06	6.8699E-05	0.000252875	0.001421722	0
2030 Jan	0.091325484	1.02356E-05	1.040570259	1.559877276	0.011652979	0.000371032	3.678244829	0.001010774	0.010279286	6.16442E-05	8.73753E-05	4.3856E-05	0.06451726	2.04711E-06	6.87303E-05	0.00025376	0.001421543	0
2030 Feb	0.091540851	1.02374E-05	1.042348623	1.564604522	0.011787274	0.000371055	3.685038805	0.001012062	0.010283891	6.22669E-05	8.74902E-05	4.39237E-05	0.06469845	2.04749E-06	6.87655E-05	0.000255071	0.001421917	0
2030 Mar	0.091705598	1.02438E-05	1.043857574	1.568045735	0.011866519	0.000371259	3.690649033	0.001013288	0.01029173	6.26383E-05	8.75981E-05	4.39832E-05	0.064830661	2.04876E-06	6.88203E-05	0.000255917	0.001422857	0
2030 Apr	0.092003852	1.02702E-05	1.047043085	1.573481798	0.011938225	0.000372203	3.702069283	0.001016244	0.010319116	6.29901E-05	8.78548E-05	4.41152E-05	0.065050513	2.05404E-06	6.90047E-05	0.000256971	0.001426561	0
2030 May	0.09391503	1.04696E-05	1.068336487	1.606767654	0.012255906	0.000379305	3.777469635	0.001036686	0.010520845	6.49324E-05	8.96769E-05	4.50418E-05	0.066416569	2.09393E-06	7.03528E-05	0.000262861	0.001454594	0
2030 Jun	0.08736144	9.88231E-06	0.928965926	1.330260634	0.016539399	0.000163885	2.868932247	0.001006027	0.009207384	0.000113842	0.000192838	4.46892E-05	0.054798905	1.97646E-06	5.41458E-05	0.000454836	0.00189873	0
2030 Jul	0.085087314	9.88652E-06	0.884407401	1.221411824	0.014410787	0.00012979	2.70362711	0.000979983	0.008962067	0.000104694	0.00019042	4.29619E-05	0.050465651	1.9773E-06	5.04026E-05	0.000414142	0.001876369	0
2030 Aug	0.08983095	1.03537E-05	0.941101193	1.312490344	0.01399056	0.000166067	3.003768444	0.001015138	0.009343944	0.000104475	0.000165337	4.54523E-05	0.054425389	2.07074E-06	5.3154E-05	0.000353236	0.001785965	0
2030 Sep	0.092407271	1.06917E-05	0.988897502	1.388441801	0.01412295	0.000201448	3.202391624	0.001049895	0.009729444	0.00010093	0.000159155	4.71947E-05	0.057733357	2.13833E-06	5.67936E-05	0.000347496	0.001792875	0
2030 Oct	0.091967985	1.04202E-05	1.015437961	1.484494328	0.012830311	0.000295577	3.452197313	0.001027782	0.010086841	7.93793E-05	0.000122664	4.49536E-05	0.061405472	2.08405E-06	6.3884E-05	0.000306436	0.001603342	0
2030 Nov	0.091913849	1.03252E-05	1.027427673	1.52497983	0.012328995	0.000333713	3.556946993	0.001020278	0.010243535	7.08431E-05	0.000108194	4.41146E-05	0.062959425	2.06505E-06	6.68119E-05	0.000290378	0.001529468	0
2030 Dec	0.091948316	1.03277E-05	1.028004766	1.526182294	0.012326092	0.000334422	3.559908867	0.001020556	0.010249856	7.07403E-05	0.000108015	4.41188E-05	0.063007273	2.06555E-06	6.68822E-05	0.000290245	0.0015293	0
2031 Jan	0.092098065	1.03275E-05	1.029282331	1.529783368	0.012421944	0.000334613	3.565160036	0.001021359	0.010252972	7.1149E-05	0.000108007	4.41598E-05	0.063143857	2.0655E-06	6.69168E-05	0.000291094	0.001528618	0
2031 Feb	0.092297114	1.03273E-05	1.030881286	1.534309387	0.012554858	0.000334587	3.57137537	0.001022453	0.010255605	7.17598E-05	0.000108091	4.42193E-05	0.063315146	2.06546E-06	6.69399E-05	0.000292343	0.00152864	0
2031 Mar	0.092436038	1.03306E-05	1.032092571	1.53728199	0.012631446	0.000334683	3.575939894	0.001023386	0.01026042	7.21163E-05	0.000108173	4.42662E-05	0.063429378	2.06612E-06	6.69746E-05	0.00029312	0.001529155	0
2031 Apr	0.093026206	1.03896E-05	1.038487554	1.547476411	0.012745084	0.000336587	3.59830761	0.001029574	0.010319855	7.27189E-05	0.000108818	4.45376E-05	0.06384518	2.07792E-06	6.73644E-05	0.000295185	0.001537898	0
2031 May	0.112555102	1.05263E-05	1.194889069	1.972153306	0.025523886	0.000324723	4.170059204	0.001147436	0.010657758	0.000187862	0.000126393	5.6353E-05	0.07993941	2.10526E-06	6.95619E-05	0.000430042	0.001602548	0
2031 Jun	0.158701554	1.00391E-05	1.513960719	2.954789877	0.062274296	0.000184657	5.183855057	0.001402974	0.0104344	0.00052537	0.000211068	8.67002E-05	0.116446331	2.00781E-06	6.50599E-05	0.000868274	0.001872418	0
2031 Jul	0.154927358	1.07921E-05	1.492353201	2.80119586	0.056533813	0.000185559	5.040564537	0.001418511	0.010915387	0.000473903	0.000222302	8.38173E-05	0.11090029	2.15842E-06	6.6735E-05	0.000833015	0.00201516	0
2031 Aug	0.143802449	1.09795E-05	1.427950144	2.574191093	0.047631595	0.000221218	4.873103619	0.001360589	0.010796033	0.00039523	0.000188213	7.8292E-05	0.102938294	2.19591E-06	6.62973E-05	0.000686652	0.00188139	0
2031 Sep	0.118674271	1.04444E-05	1.2859689	2.194802761	0.031838216	0.000344447	4.527013779	0.001198953	0.010492454	0.000239509	0.000118702	6.40618E-05	0.089222088	2.08887E-06	6.99474E-05	0.000463636	0.001547198	0
2031 Oct	0.102528624	9.94045E-06	1.170162439	1.939488411	0.019160932	0.000462002	4.295637131	0.001062557	0.01075819	0.000116285	6.32507E-05	4.96426E-05	0.079063103	1.98809E-06	7.72067E-05	0.000310171	0.001272717	0
2031 Nov	0.10195592	9.95259E-06	1.167990565	1.931849003	0.018438099	0.000471554	4.300014973	0.001058594	0.010823036	0.000108948	5.99975E-05	4.89444E-05	0.078767546	1.99052E-06	7.80133E-05	0.000301769	0.001260886	0
2031 Dec	0.101968654	9.95596E-06	1.168273449	1.932190657	0.018421061	0.000471993	4.3014431	0.001058788	0.010828312	0.000108752	5.99139E-05	4.89373E-05	0.07878197	1.99119E-06	7.80619E-05	0.000301597	0.001260896	0
2032 Jan	0.102115706	9.95635E-06	1.169455528	1.935487628	0.018514941	0.00047201	4.306063652	0.001059606	0.010830981	0.000109135	5.9973E-05	4.8975E-05	0.078906573	1.99127E-06	7.80842E-05	0.00030249	0.001260957	0
2032 Feb	0.102322929	9.95644E-06	1.171076417	1.940067768	0.018653711	0.000471882	4.312218666	0.001060758	0.010833399	0.000109766	6.00998E-05	4.90356E-05	0.079079613	1.99129E-06	7.8101E-05	0.000303828	0.00126118	0
2032 Mar	0.102476254	9.9605E-06	1.172424912	1.943327308	0.018736312	0.000472002	4.317285538	0.001061808	0.010839071	0.000110151	6.01926E-05	4.90881E-05	0.079205088	1.9921E-06	7.81415E-05	0.000304674	0.001261808	0

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.102880828	9.99378E-06	1.176827312	1.951195598	0.018840713	0.000473538	4.333552837	0.0010657	0.010875981	0.000110709	6.04317E-05	4.92702E-05	0.079521663	1.99876E-06	7.84074E-05	0.000306095	0.001266087	0
2032 May	0.105657108	1.01602E-05	1.204117775	2.005815744	0.019908061	0.000479169	4.432225227	0.001089509	0.011062325	0.00011947	6.28255E-05	5.07511E-05	0.081675455	2.03204E-06	7.96866E-05	0.000319384	0.001291717	0
2032 Jun	0.092541859	9.77752E-06	0.97636503	1.473554015	0.020256493	0.000178472	3.072967529	0.001030765	0.009305484	0.0001448	0.000190473	4.76213E-05	0.060215086	1.9555E-06	5.58991E-05	0.000489101	0.001870585	0
2032 Jul	0.082919039	9.51362E-06	0.851426065	1.182840705	0.013296567	0.000129603	2.664814711	0.000934414	0.008595411	0.000101324	0.000166957	4.12742E-05	0.048817895	1.90272E-06	4.80277E-05	0.000356072	0.001714542	0
2032 Aug	0.084778227	9.93692E-06	0.930496812	1.300352335	0.012465464	0.000205459	3.07392168	0.000970642	0.008874157	8.85796E-05	0.000126854	4.49913E-05	0.054566067	1.98738E-06	5.21391E-05	0.000269105	0.001558839	0
2032 Sep	0.085251771	1.01642E-05	0.984812021	1.38662684	0.012194087	0.000265726	3.324387074	0.000997289	0.009161448	7.66137E-05	0.000109115	4.69141E-05	0.058638349	2.03284E-06	5.65083E-05	0.000243687	0.001505586	0
2032 Oct	0.086727343	1.02226E-05	1.006154418	1.438969493	0.012020988	0.000298514	3.444678783	0.00100485	0.009456183	7.15645E-05	0.000101237	4.65841E-05	0.060602088	2.04452E-06	5.98907E-05	0.000240925	0.001477598	0
2032 Nov	0.087204985	1.02113E-05	1.014167666	1.463199377	0.011866192	0.000316374	3.499750376	0.001004803	0.009586594	6.8291E-05	9.61753E-05	4.61837E-05	0.061481673	2.04225E-06	6.16037E-05	0.000238236	0.001454643	0
2032 Dec	0.08728727	1.01486E-05	1.017767906	1.482014894	0.011641073	0.000334013	3.541654348	0.000999784	0.009679402	6.44337E-05	9.02577E-05	4.55248E-05	0.06212334	2.02972E-06	6.31409E-05	0.000234166	0.001422767	0
2033 Jan	0.087576397	1.01486E-05	1.020163059	1.488796949	0.011820395	0.000334366	3.551435471	0.001001329	0.009686589	6.5207E-05	9.02862E-05	4.55977E-05	0.062378675	2.02972E-06	6.32141E-05	0.000235876	0.001422458	0
2033 Feb	0.087969303	1.01507E-05	1.023352861	1.497544408	0.012069655	0.00033439	3.563717604	0.001003594	0.009694263	6.63588E-05	9.04847E-05	4.57156E-05	0.062710032	2.03013E-06	6.32752E-05	0.000238309	0.00142294	0
2033 Mar	0.088299476	1.01652E-05	1.026440382	1.504288793	0.012221552	0.000334844	3.575110435	0.001006151	0.009711211	6.70746E-05	9.07122E-05	4.58402E-05	0.062973373	2.03303E-06	6.33918E-05	0.00023995	0.001425075	0
2033 Apr	0.089059845	1.02392E-05	1.034848928	1.517884135	0.01238767	0.000337269	3.604763746	0.001014124	0.009783735	6.79188E-05	9.14293E-05	4.6208E-05	0.063531622	2.04785E-06	6.38687E-05	0.000242442	0.001435516	0
2033 May	0.148801401	1.02204E-05	1.487186313	2.817739725	0.05297672	0.000281998	5.260164261	0.001347831	0.010571948	0.000436499	0.000149574	8.12964E-05	0.112204507	2.04408E-06	6.89848E-05	0.000682689	0.001608169	0
2033 Jun	0.151628673	9.52932E-06	1.438437104	2.810984612	0.06058833	0.000151632	4.877558708	0.001342503	0.009816281	0.000512725	0.000213767	8.34633E-05	0.110712141	1.90586E-06	6.03078E-05	0.00085629	0.001840293	0
2033 Jul	0.137625948	1.00712E-05	1.326001883	2.432107449	0.04837146	0.000152297	4.425117016	0.001283758	0.009967957	0.000406115	0.000209822	7.42795E-05	0.096524715	2.01424E-06	5.9586E-05	0.000737345	0.001899898	0
2033 Aug	0.141347468	1.07304E-05	1.373934984	2.477868319	0.047373604	0.00017461	4.613238811	0.001331916	0.010508717	0.000397504	0.000206241	7.60683E-05	0.098693974	2.14607E-06	6.27959E-05	0.000714732	0.001944059	0
2033 Sep	0.116841592	1.02508E-05	1.245433569	2.130672455	0.030426327	0.000336046	4.377373219	0.001169004	0.010506555	0.000228787	0.000123232	6.06623E-05	0.086162135	2.05015E-06	6.99682E-05	0.000470527	0.001554325	0
2033 Oct	0.096707977	9.70219E-06	1.119763732	1.837054372	0.014779287	0.000494963	4.170696735	0.001008915	0.010812879	7.47095E-05	4.70246E-05	4.40943E-05	0.074845009	1.94044E-06	7.92432E-05	0.000263345	0.001185447	0
2033 Nov	0.095981918	9.75499E-06	1.12053299	1.830848694	0.013594884	0.000513618	4.195884228	0.001005606	0.010950096	6.23192E-05	4.09998E-05	4.31324E-05	0.074647292	1.951E-06	8.08492E-05	0.000248358	0.001166122	0
2033 Dec	0.096024178	9.76033E-06	1.121102452	1.83171773	0.013591977	0.000514029	4.198200226	0.001006084	0.010956727	6.22486E-05	4.09708E-05	4.31461E-05	0.074683189	1.95206E-06	8.0903E-05	0.000248359	0.001166549	0
2034 Jan	0.096165113	9.76101E-06	1.122237682	1.83483386	0.013682833	0.000513996	4.202534199	0.001006898	0.01095907	6.26537E-05	4.10482E-05	4.31878E-05	0.074801378	1.9522E-06	8.09203E-05	0.000249233	0.001166733	0
2034 Feb	0.096357882	9.76163E-06	1.123761415	1.839061975	0.01381034	0.000513875	4.208268166	0.001008002	0.010961606	6.3249E-05	4.11754E-05	4.32474E-05	0.074961543	1.95233E-06	8.09368E-05	0.000250472	0.001167042	0
2034 Mar	0.096503586	9.76609E-06	1.125065923	1.842142105	0.013885656	0.000514026	4.213168621	0.001009029	0.010967613	6.36002E-05	4.12622E-05	4.32981E-05	0.075080454	1.95322E-06	8.098E-05	0.000251253	0.001167704	0
2034 Apr	0.097147316	9.82534E-06	1.132344842	1.854601264	0.01400943	0.000517097	4.2404356	0.001015475	0.011034723	6.41706E-05	4.15514E-05	4.35786E-05	0.075584456	1.96507E-06	8.14748E-05	0.000253159	0.001174861	0
2034 May	0.119924091	1.00349E-05	1.30544436	2.321531296	0.029265622	0.000476827	4.832747936	0.001156789	0.01131226	0.000204528	7.17292E-05	5.7873E-05	0.09324947	2.00699E-06	8.19779E-05	0.00042126	0.0012981	0
2034 Jun	0.159496576	9.76291E-06	1.516734362	2.99771595	0.06399937	0.000184856	5.211942196	0.001394531	0.010276187	0.00054038	0.000208428	8.72667E-05	0.117936306	1.95258E-06	6.46217E-05	0.000882696	0.001829783	0
2034 Jul	0.129746065	1.00817E-05	1.258817196	2.246841908	0.041389864	0.000172417	4.250030041	0.001223847	0.009899554	0.000347983	0.000183453	6.84651E-05	0.089503691	2.01633E-06	5.91743E-05	0.000627654	0.001778896	0
2034 Aug	0.135303646	1.0883E-05	1.333657265	2.341749191	0.041447815	0.000202263	4.525053501	0.001295179	0.010576284	0.000346122	0.000183371	7.18748E-05	0.09374024	2.1766E-06	6.35633E-05	0.000621229	0.001855343	0
2034 Sep	0.11641679	1.0387E-05	1.233976722	2.09443903	0.028154986	0.000348118	4.369082928	0.00116028	0.010725062	0.000210883	0.000115745	5.85798E-05	0.084604912	2.07741E-06	7.14012E-05	0.000440279	0.001531383	0
2034 Oct	0.098482564	9.79532E-06	1.127423763	1.852345109	0.015544445	0.000482925	4.185031891	0.00102101	0.010848399	8.3823E-05	5.19909E-05	4.49918E-05	0.075376332	1.95906E-06	7.87489E-05	0.000273364	0.001213258	0
2034 Nov	0.098174579	9.82485E-06	1.128881931	1.851358175	0.015002261	0.000492656	4.201117992	0.001020171	0.0109204	7.79187E-05	4.90885E-05	4.45788E-05	0.075367607	1.96497E-06	7.95972E-05	0.000266597	0.001204559	0
2034 Dec	0.098219916	9.8307E-06	1.129511833	1.852317929	0.014998439	0.000493129	4.203693867	0.001020694	0.010927751	7.78318E-05	4.90515E-05	4.45935E-05	0.075407356	1.96614E-06	7.96578E-05	0.000266592	0.001205008	0
2035 Jan	0.098350167	9.8312E-06	1.130569577	1.855232596	0.015082733	0.000493119	4.207763672	0.00102144	0.010929931	7.81966E-05	4.9115E-05	4.46309E-05	0.075517945	1.96624E-06	7.96751E-05	0.000267396	0.001205129	0
2035 Feb	0.098535374	9.83213E-06	1.13205266	1.859299183	0.015203316	0.000493036	4.213358402	0.001022518	0.010932777	7.87547E-05	4.92328E-05	4.46883E-05	0.075672232	1.96643E-06	7.96946E-05	0.00026857	0.001205447	0
2035 Mar	0.098663099	9.8353E-06	1.13316834	1.862021089	0.015273205	0.000493124	4.217551708	0.001023383	0.010937293	7.90804E-05	4.93103E-05	4.47317E-05	0.075776891	1.96706E-06	7.97268E-05	0.000269283	0.001205947	0
2035 Apr	0.099240847	9.88743E-06	1.139603138	1.873102784	0.015391289	0.000495697	4.241524696	0.001029112	0.010995828	7.96711E-05	4.96069E-05	4.49854E-05	0.076224372	1.97749E-06	8.01531E-05	0.000271068	0.001212402	0
2035 May	0.108781174	1.01277E-05	1.219166636	2.067086697	0.020902161	0.000491256	4.520838261	0.00109539	0.011283813	0.000129134	6.05756E-05	5.06664E-05	0.083658487	2.02555E-06	8.17734E-05	0.0003334	0.001274361	0
2035 Jun	0.104645297	9.58481E-06	1.053508162	1.724931836	0.029901586	0.000136347	3.327472448	0.001090403	0.009161402	0.000235686	0.000209371	5.54412E-05	0.06947875	1.91696E-06	5.3882E-05	0.000594733	0.00191449	0
2035 Jul	0.094303846	1.00789E-05	0.967998087	1.427785516	0.020899717	0.000124235	2.951861143	0.001054153	0.009280274	0.000157687	0.000214547	4.89025E-05	0.058353122	2.01579E-06	5.27245E-05	0.000517911	0.002007363	0
2035 Aug	0.093556464	1.04399E-05	1.025894046	1.492428422	0.019020865	0.000195196	3.261861801	0.001076953	0.009470869	0.000134347	0.000178171	5.13514E-05	0.062071804	2.08798E-06	5.62093E-05	0.000430826	0.00187002	0
2035 Sep	0.087890409	9.91576E-06	1.056665421	1.600683928	0.012952972	0.000400022	3.737206221	0.001004256	0.009963995	6.2276E-05	8.03445E-05	4.55178E-05	0.066735208	1.98315E-06	6.90371E-05	0.000262173	0.001371308	0
2035 Oct	0.089495279	9.80176E-06	1.075902343	1.682602406	0.011066508	0.000482754	3.958088875	0.000986475	0.010557217	4.0198E-05	4.96602E-05	4.21151E-05	0.069429338	1.96035E-06	7.67172E-05	0.00022629	0.001219993	0
2035 Nov	0.089143127	9.67527E-06	1.071651697	1.691682816	0.010390339	0.000503331	3.987999678	0.00097183	0.010638232	3.31219E-05	3.9884E-05	4.06877E-05	0.069595851	1.93505E-06	7.83283E-05	0.000213281	0.001162641	0
2035 Dec	0.089218348	9.68223E-06	1.072555661	1.693324685	0.010390466	0.000504062	3.991986275	0.000972503	0.010648882	3.30554E-05	3.97868E-05	4.07048E-05	0.069660582	1.93645E-06	7.84205E-05	0.000213295	0.001162904	0
2036 Jan	0.089417003	9.68289E-06	1.074130535	1.697708249	0.010518495	0.000504014	3.998037815	0.000973621	0.010652131	3.36518E-05	3.9892E-05	4.07637E-05	0.069826238	1.93658E-06	7.84449E-05	0.000214529	0.001163111	0
2036 Feb	0.08968199	9.6833E-06	1.076201439	1.703525186	0.01069524	0.00050383	4.005853653	0.00097511	0.010655303	3.44899E-05	4.00651E-05	4.08452E-05	0.070046119	1.93666E-06	7.84654E-05	0.000216244	0.001163477	0
2036 Mar	0.089827016	9.68368E-06	1.077341318	1.70670414	0.010791132	0.000503739	4.01015377	0.000975933	0.010657202	3.49443E-05	4.01596E-05	4.08901E-05	0.070166379	1.93674E-06	7.84779E-05	0.000217177	0.001163695	0
2036 Apr	0.091445215	9.74954E-06	1.092479229	1.740465999	0.011544376	0.000506375	4.066914082	0.000988153	0.010740176	3.84081E-05	4.10938E-05	4.14759E-05	0.071480095	1.94991E-06	7.9078E-05	0.000225232	0.001172829	0
2036 May	0.097250871	1.00164E-05	1.147330165	1.859218001	0.014132277	0.000515915	4.269474506	0.001033693	0.011060862	5.38816E-05	4.51743E-05	4.39872E-05	0.076115303	2.00327E-06	8.13374E-05	0.000254337	0.001212612	0
2036 Jun	0.095156118	9.7999E-06	1.001180053	1.539253831	0.021682216	0.000187711	3.180429697	0.001045699	0.009411298	0.000154796	0.000188657	4.87757E-05	0.062729232	1.95998E-06	5.70548E-05	0.000500446	0.001860852	0
2036 Jul	0.089211516	1.00364E-05	0.920359373	1.305050135	0.015487883	0.000145928	2.886832237	0.001000954	0.009167162	0.000116008	0.000179694	4.46649E-05	0.053717434	2.00727E-06	5.2013E-05	0.000400996	0.001828738	0
2036 Aug	0.095036179	1.072E-05	0.990300119	1.405550241	0.015839688	0.000173268	3.164441824	0.001063231	0.009754536	0.000118846	0.000175003	4.79495E-05	0.058052335	2.144E-06	5.57844E-05	0.000387574	0.001866665	0
2036 Sep	0.092913449	1.05621E-05	1.02301085	1.481307626	0.014346313	0.000262015	3.412468672	0.001049545	0.009929004	9.44995E-05	0.000137737	4.73257E-05	0.061512008	2.11241E-06	6.12096E-05	0.000330794	0.001685085	0
2036 Oct	0.091761857	1.01336E-05	1.051572919	1.602423549	0.011992375	0.000396529	3.742385626	0.001009707	0.010437366	6.00816E-05	8.42328E-05	4.33195E-05	0.066030852	2.02672E-06	7.13334E-05	0.000266948	0.001403889	0
2036 Nov	0.091565222	1.00639E-05	1.055975676	1.621500373	0.011615459	0.000417914	3.794439554	0.001003214	0.010516908	5.4587E-05	7.56924E-05	4.26748E-05	0.06674172	2.01277E-06	7.29369E-05	0.000256733	0.001358867	0
2036 Dec	0.091440558	1.00344E-05	1.056717873	1.626664639	0.011484625	0.000424626	3.808946848	0.00100043	0.010535964	5.27554E-05	7.28516E-05	4.2436E-05	0.066929989	2.00689E-06	7.34128E-05	0.000253226	0.001343258	0
2037 Jan	0.091686346	1.00351E-05	1.058756471	1.632310629	0.011640987	0.000424759	3.817025185	0.001001808	0.010540824	5.34529E-05	7.29156E-05	4.25074E-05	0.067144133	2.00702E-06	7.34577E-05	0.000254679	0.00134321	0
2037 Feb	0.092018493	1.00365E-05	1.061434031	1.639676571	0.011856348	0.000424679	3.82723999	0.001003723	0.010546209	5.4458E-05	7.31E-05	4.26104E-05	0.067423515	2.00731E-06	7.3498E-05	0.000256756	0.001343637	0
2037 Mar	0.092321351	1.00506E-05	1.064296722	1.645864725	0.01198972	0.000425194	3.83786869	0.001006092	0.010563052	5.50793E-05	7.32971E-05	4.27228E-05	0.067665115	2.01011E-06	7.36168E-05	0.00025823	0.001345642	0
2037 Apr	0.092779167	1.00896E-05	1.069215178	1.654477239	0.012102925	0.0004268	3.855779409	0.001010549	0.010605255	5.56043E-05	7.36358E-05	4.29188E-05	0.06801188	2.01791E-06	7.39118E-05	0.000259868	0.001350938	0
2037 May	0.153346092	1.00815E-05	1.52325964	2.950439453	0.05471459	0.000328481	5.464325428	0.001356703	0.011026596	0.000446993	0.000141801	8.08865E-05	0.116778076	2.0163E-06	7.46121E-05	0.000712648	0.001561028	0
2037 Jun	0.157555833	9.5845E-06	1.49040854	2.949609041	0.063928835	0.00016328	5.094224453	0.001376289	0.010008834	0.000541894	0.000212413	8.66205E-05	0.115990408	1.9169E-06	6.21669E-05	0.000884584	0.001830216	0
2037 Jul	0.144226253	1.02316E-05	1.386162281	2.579267502	0.052059565	0.000161149	4.648127556	0.001330053	0.010243445	0.000437242	0.000215106	7.7982E-05	0.10217306	2.04633E-06	6.18197E-05	0.00078071	0.001934286	0
2037 Aug	0.143900648	1.07183E-05	1.412913203	2.573729038	0.049665459	0.000192155	4.765975475	0.001354284	0.010575543	0.000413394	0.0002047	7.85165E-05	0.102584861	2.14365E-06	6.43412E-05	0.000736459	0.001936187	0
2037 Sep	0.137057722	1.08303E-05	1.393599629	2.48183918	0.043902736	0.000255341	4.767549038	0.001323406	0.01077367	0.000354801	0.000177623	7.45481E-05	0.099587917	2.16605E-06	6.80076E-05	0.000652241	0.001836563	0
2037 Oct	0.118840016	1.0348E-05	1.27319932	2.195813894	0.030396493	0.000373017	4.520989418	0.00118187	0.010871637	0.000224148	0.000116118	6.04975E-05	0.088620365	2.0696E-06	7.39881E-05	0.000472376	0.001534911	0
2037 Nov	0.116355278	1.03112E-05	1.258738279	2.158128977	0.02832243	0.000393651	4.49906683	0.001163605	0.01093126	0.000203803	0.000106583	5.84559E-05	0.087193109	2.06223E-06	7.5258E-05	0.000445027	0.001492029	0
2037 Dec	0.116385058	1.0318E-05	1.259344339	2.15887332	0.028296066	0.000394416	4.501914024	0.001164054	0.010940761	0.00020349	0.000106444	5.84527E-05	0.087225537	2.0636E-06	7.53431E-05	0.000444733	0.001492159	0
2038 Jan	0.116504401	1.03182E-05	1.260344744	2.161658049	0.028370064	0.000394541	4.506008148	0.001164701	0.010943375	0.000203726	0.000106443	5.84768E-05	0.087330945	2.06364E-06	7.53691E-05	0.000445379	0.001491966	0
2038 Feb	0.116685674	1.03184E-05	1.261788487	2.165712118	0.028489662	0.00039449	4.511579037	0.001165709	0.010945847	0.000204239	0.00010653	5.8527E-05	0.087484375	2.06368E-06	7.53885E-05	0.000446507	0.001492062	0
2038 Mar	0.116814688	1.03211E-05	1.262901902	2.16848278	0.028562253	0.000394563	4.515782356	0.00116656	0.010950022	0.000204571	0.000106605	5.85695E-05	0.087590657	2.06423E-06	7.54186E-05	0.000447237	0.0014925	0
2038 Apr	0.117294237	1.03586E-05	1.267925978	2.177599192	0.02870292	0.000395977	4.533873558	0.001171099	0.010990459	0.000205471	0.000107018	5.87973E-05	0.087955676	2.07172E-06	7.56978E-05	0.000449208	0.001497937	0
2038 May	0.139559016	1.04407E-05	1.437177539	2.649984121	0.043788802	0.0003658	5.13867712	0.001301144	0.011238171	0.000343725	0.000130711	7.24702E-05	0.105762415	2.08813E-06	7.66457E-05	0.00060904	0.001578119	0
2038 Jun	0.165480718	9.87369E-06	1.564909577	3.119474411	0.067735419	0.000177511	5.379024506	0.00143441	0.010392948	0.000574528	0.000215541	9.10323E-05	0.122597225	1.97474E-06	6.5071E-05	0.000922768	0.001864262	0
2038 Jul	0.161142811	1.07561E-05	1.542369723	2.945714712	0.061349723	0.000177983	5.208159447	0.001456433	0.010970896	0.000515881	0.000232476	8.7856E-05	0.116341926	2.15122E-06	6.72297E-05	0.000893212	0.002052135	0
2038 Aug	0.157741114	1.13253E-05	1.561213017	2.892961502	0.056846093	0.000224571	5.3063097	0.001472359	0.011294414	0.000470802	0.00021434	8.74835E-05	0.115296341	2.26507E-06	7.01453E-05	0.000816452	0.002031826	0
2038 Sep	0.142619953	1.10732E-05	1.467516422	2.643640041	0.046182316	0.000302399	5.082067013	0.001370211	0.011247305	0.000368406	0.000170437	7.76193E-05	0.106061786	2.21465E-06	7.31236E-05	0.000670803	0.00182729	0
2038 Oct	0.127133459	1.06846E-05	1.357191324	2.379949331	0.034860831	0.000384981	4.819514275	0.001250613	0.011257016	0.000260988	0.000124118	6.583E-05	0.095898978	2.13692E-06	7.68715E-05	0.000524132	0.001598946	0
2038 Nov	0.126478299	1.06947E-05	1.354124427	2.369557142	0.034176018	0.000392242	4.817849636	0.001246506	0.011297608	0.000254244	0.000121251	6.52216E-05	0.09551324	2.13894E-06	7.74116E-05	0.000515517	0.001588309	0
2038 Dec	0.126413524	1.0696E-05	1.353840709	2.368538618	0.034105774	0.000393006	4.817800522	0.001246112	0.011302114	0.00025355	0.000120956	6.516E-05	0.095475629	2.13921E-06	7.74696E-05	0.000514635	0.001587245	0
2039 Jan	0.126527593	1.06956E-05	1.354777455	2.371243715	0.03417784	0.000393137	4.821743488	0.001246684	0.01130427	0.000253735	0.000120933	6.51761E-05	0.095577672	2.13911E-06	7.74937E-05	0.000515235	0.001586879	0
2039 Feb	0.12671493	1.06953E-05	1.356251478	2.375453472	0.034303121	0.000393073	4.827472687	0.001247695	0.01130645	0.000254252	0.000121015	6.52246E-05	0.095736653	2.13905E-06	7.75116E-05	0.000516401	0.001586883	0

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.126939416	1.07054E-05	1.358364582	2.380042791	0.03440458	0.000393417	4.835258007	0.00124945	0.01131855	0.00025478	0.000121176	6.5314E-05	0.095915779	2.14108E-06	7.75962E-05	0.000517536	0.001588415	0
2039 Apr	0.127465382	1.07448E-05	1.363827467	2.390121698	0.034570348	0.000394846	4.854854107	0.001254368	0.011360923	0.00025588	0.000121648	6.55697E-05	0.096318632	2.14895E-06	7.78876E-05	0.000519806	0.001594268	0
2039 May	0.130774722	1.09405E-05	1.396004081	2.454684258	0.035881158	0.000400574	4.969713211	0.001282748	0.011576049	0.000266751	0.000124874	6.73608E-05	0.098862439	2.18809E-06	7.93298E-05	0.000536396	0.001626236	0
2039 Jun	0.091503993	9.88964E-06	0.963538527	1.425528169	0.019747375	0.000158422	2.97641325	0.001034352	0.00927203	0.000141147	0.00020194	4.74202E-05	0.058399577	1.97793E-06	5.46378E-05	0.000499737	0.00193913	0
2039 Jul	0.086108685	9.76285E-06	0.877007723	1.227366567	0.013100274	0.000141944	2.810271263	0.000951398	0.008812726	0.000103778	0.000154541	4.23251E-05	0.050612651	1.95257E-06	4.91799E-05	0.000324015	0.001667367	0
2039 Aug	0.09174981	1.02784E-05	0.964188159	1.377824068	0.011196645	0.000229173	3.383360863	0.000977774	0.009184995	9.42648E-05	8.17359E-05	4.58877E-05	0.057420559	2.05568E-06	5.31899E-05	0.000153129	0.00133472	0
2039 Sep	0.092710942	1.04357E-05	1.013870835	1.472684383	0.011113387	0.00029431	3.606915712	0.001002048	0.009639767	8.15748E-05	7.16096E-05	4.65227E-05	0.061449364	2.08714E-06	5.92588E-05	0.000157148	0.001318148	0
2039 Oct	0.092587419	1.03089E-05	1.032344341	1.534225583	0.010755084	0.000349116	3.728971481	0.000997608	0.009962316	6.90878E-05	6.12933E-05	4.50677E-05	0.063717723	2.06179E-06	6.44098E-05	0.000164257	0.001271417	0
2039 Nov	0.092937432	1.03443E-05	1.036887407	1.542077065	0.010784645	0.000352219	3.74716711	0.001001279	0.010010812	6.8949E-05	6.11948E-05	4.51931E-05	0.064034529	2.06885E-06	6.48222E-05	0.000165115	0.00127477	0
2039 Dec	0.093001269	1.03506E-05	1.037742376	1.543593407	0.010789581	0.000352859	3.750653982	0.001001945	0.010020102	6.89073E-05	6.11633E-05	4.52141E-05	0.06409543	2.07011E-06	6.49044E-05	0.000165281	0.001275322	0
2040 Jan	0.093107454	1.03503E-05	1.038645148	1.546160698	0.010860103	0.000352975	3.754226685	0.001002533	0.010022474	6.92033E-05	6.1201E-05	4.52423E-05	0.064192347	2.07005E-06	6.49306E-05	0.00016601	0.001275326	0
2040 Feb	0.093256302	1.03506E-05	1.039852977	1.549523592	0.010958368	0.000352962	3.758832932	0.001003385	0.01002495	6.96531E-05	6.12888E-05	4.52871E-05	0.064319648	2.07012E-06	6.49513E-05	0.000166992	0.001275524	0
2040 Mar	0.093436502	1.03618E-05	1.041617513	1.552999377	0.01102329	0.000353333	3.765340805	0.001004917	0.010036996	6.99711E-05	6.14019E-05	4.53597E-05	0.064457275	2.07236E-06	6.50319E-05	0.000167702	0.001276994	0
2040 Apr	0.09383481	1.04011E-05	1.045921326	1.559888124	0.011094656	0.000354665	3.780971766	0.001008975	0.0100757	7.03715E-05	6.16606E-05	4.55448E-05	0.064739488	2.08022E-06	6.52841E-05	0.000168632	0.001281883	0
2040 May	0.110998414	1.05243E-05	1.183396697	1.933451414	0.022519784	0.000342577	4.26832056	0.001115219	0.010401082	0.000172091	8.17789E-05	5.58752E-05	0.078857325	2.10487E-06	6.74481E-05	0.00029989	0.001364354	0
2040 Jun	0.133205876	9.67329E-06	1.288286686	2.372431517	0.047948647	0.000145311	4.268461227	0.001248378	0.009629956	0.000399377	0.000212489	7.23957E-05	0.094117306	1.93466E-06	5.79516E-05	0.000746681	0.001883377	0
2040 Jul	0.120147511	1.01943E-05	1.184998989	2.020098448	0.03706044	0.000140128	3.821119785	0.00120021	0.00978347	0.000302616	0.000217363	6.41222E-05	0.080921568	2.03886E-06	5.72848E-05	0.000657573	0.001985756	0
2040 Aug	0.119604953	1.06244E-05	1.204464197	2.005307674	0.034063384	0.000173791	3.947237968	0.001212662	0.010060698	0.000276252	0.000197476	6.41031E-05	0.08092621	2.12488E-06	5.93902E-05	0.000588086	0.001930957	0
2040 Sep	0.111393221	1.05941E-05	1.195405126	1.935655832	0.028897306	0.000248695	4.008184433	0.001177232	0.010012273	0.000220335	0.000159412	6.15568E-05	0.079225644	2.11881E-06	6.22141E-05	0.000485376	0.001764366	0
2040 Oct	0.109054089	1.05473E-05	1.190398932	1.925933599	0.025823399	0.000305234	4.077769756	0.001153603	0.010307715	0.000188041	0.000137084	5.82843E-05	0.078812487	2.10946E-06	6.66258E-05	0.000439949	0.001663692	0
2040 Nov	0.109149501	1.05761E-05	1.193682194	1.93106854	0.025570773	0.000312391	4.098489285	0.001154734	0.010373145	0.000185119	0.000135086	5.81145E-05	0.07902094	2.11523E-06	6.7322E-05	0.000436403	0.00165805	0
2040 Dec	0.109163217	1.05791E-05	1.19402492	1.931607723	0.025550328	0.000313022	4.100478649	0.001154889	0.0103793	0.000184877	0.000134921	5.81028E-05	0.079042867	2.11583E-06	6.73853E-05	0.00043612	0.001657649	0
2041 Jan	0.109271742	1.05796E-05	1.194954753	1.93416357	0.025613558	0.00031322	4.104372978	0.00115548	0.010382519	0.000185095	0.000134899	5.81256E-05	0.07913965	2.11593E-06	6.74177E-05	0.00043667	0.001657424	0
2041 Feb	0.109428391	1.05804E-05	1.196230769	1.937661767	0.025712395	0.000313243	4.109333038	0.001156377	0.010385557	0.000185527	0.000134964	5.81703E-05	0.079272278	2.11609E-06	6.74423E-05	0.000437607	0.001657542	0
2041 Mar	0.109604552	1.05897E-05	1.197918653	1.941175938	0.025787601	0.000313516	4.115446091	0.001157825	0.010395829	0.000185917	0.000135112	5.82429E-05	0.079410329	2.11793E-06	6.75116E-05	0.000438481	0.001658982	0
2041 Apr	0.109966844	1.06202E-05	1.201742649	1.947817683	0.025892129	0.00031442	4.128762722	0.001161416	0.010426514	0.000186583	0.000135519	5.84234E-05	0.079678774	2.12404E-06	6.77124E-05	0.000440027	0.001663764	0
2041 May	0.115054049	1.0747E-05	1.24485302	2.053409338	0.028728843	0.000315277	4.285535812	0.001196117	0.010600636	0.00021178	0.000140151	6.13282E-05	0.083719663	2.1494E-06	6.8853E-05	0.000471394	0.001691217	0
2041 Jun	0.090572327	9.91289E-06	0.957093894	1.401055098	0.019308668	0.000151915	2.945691347	0.001031546	0.009183571	0.000138344	0.000201446	4.74777E-05	0.057578873	1.98258E-06	5.36315E-05	0.00048942	0.001937901	0
2041 Jul	0.083212502	9.69186E-06	0.861305356	1.183734775	0.013982476	0.000120506	2.625827074	0.000958118	0.008741143	0.000102831	0.000187269	4.20171E-05	0.048926942	1.93837E-06	4.8746E-05	0.000402706	0.001840403	0
2041 Aug	0.088791646	1.03643E-05	0.937156022	1.295095205	0.014251082	0.000157361	2.941680431	0.001019906	0.009312774	0.000103917	0.000176898	4.55786E-05	0.053818654	2.07286E-06	5.28279E-05	0.000378452	0.001850068	0
2041 Sep	0.089205444	1.04982E-05	0.982273281	1.374804974	0.013781169	0.000216683	3.17753911	0.001035598	0.009563178	9.20579E-05	0.000155366	4.67862E-05	0.057468776	2.09963E-06	5.69505E-05	0.000345356	0.001766474	0
2041 Oct	0.08997377	1.03779E-05	1.00955677	1.46026814	0.012904131	0.000288774	3.395588636	0.001026423	0.009927663	7.73838E-05	0.000128208	4.5345E-05	0.06070843	2.07559E-06	6.27923E-05	0.000315234	0.001631707	0
2041 Nov	0.090541825	1.04182E-05	1.018188477	1.478318334	0.012866167	0.000299021	3.439898252	0.001030733	0.010024182	7.60172E-05	0.0001256	4.54101E-05	0.061420936	2.08364E-06	6.38306E-05	0.000313255	0.001624019	0
2041 Dec	0.090611234	1.04244E-05	1.019122958	1.480054259	0.012867878	0.000299825	3.444096327	0.001031375	0.010034175	7.59488E-05	0.000125463	4.54298E-05	0.061490487	2.08489E-06	6.39234E-05	0.000313224	0.001624036	0
2042 Jan	0.090758994	1.0426E-05	1.020424604	1.483498216	0.012952793	0.000300083	3.449403763	0.001032245	0.01003892	7.63114E-05	0.000125458	4.5472E-05	0.061621804	2.08519E-06	6.39682E-05	0.00031399	0.001623947	0
2042 Feb	0.090936132	1.04262E-05	1.021857738	1.487513185	0.013068388	0.000300093	3.455002546	0.001033228	0.010041721	7.68416E-05	0.000125526	4.55246E-05	0.061773818	2.08523E-06	6.39925E-05	0.000315073	0.001623972	0
2042 Mar	0.091090307	1.04329E-05	1.023285866	1.490644693	0.013139733	0.000300288	3.46024251	0.001034418	0.0100496	7.71795E-05	0.000125642	4.55821E-05	0.061895836	2.08657E-06	6.40462E-05	0.000315864	0.001625012	0
2042 Apr	0.09178026	1.05056E-05	1.030862927	1.502283931	0.013267376	0.000302383	3.486099243	0.001041932	0.010120492	7.78828E-05	0.000126539	4.59161E-05	0.062374543	2.10112E-06	6.45001E-05	0.000318403	0.001636342	0
2042 May	0.103658065	1.07324E-05	1.130380034	1.754096985	0.020244308	0.000302719	3.850568295	0.001119913	0.010467134	0.000140062	0.000136786	5.28271E-05	0.07198669	2.14647E-06	6.6827E-05	0.000393713	0.00168999	0
2042 Jun	0.092885152	9.99943E-06	0.976848543	1.447894216	0.019867141	0.000162353	3.043773174	0.001043642	0.009335116	0.00014382	0.000196899	4.82314E-05	0.059357446	1.99989E-06	5.48822E-05	0.000486674	0.001920181	0
2042 Jul	0.087178946	9.93832E-06	0.89596343	1.252455831	0.014282246	0.000137924	2.810988903	0.000979866	0.008994483	0.000108869	0.000173926	4.35145E-05	0.051661525	1.98766E-06	5.04193E-05	0.000375006	0.001788243	0
2042 Aug	0.079108022	9.843E-06	0.984638095	1.372244954	0.011362042	0.000299318	3.370386839	0.00097014	0.008637591	6.16589E-05	8.32757E-05	4.79035E-05	0.059070341	1.9686E-06	5.511E-05	0.000187	0.001358058	0
2042 Sep	0.077858143	9.86921E-06	1.041168451	1.478815556	0.010444786	0.00039555	3.681227922	0.0009799	0.008942419	3.86143E-05	5.1268E-05	4.8735E-05	0.063998953	1.97384E-06	6.16411E-05	0.000145028	0.001224623	0
2042 Oct	0.081613891	9.80951E-06	1.055859208	1.559827089	0.010078598	0.000443986	3.82119894	0.000975962	0.009570604	3.27509E-05	4.20212E-05	4.58161E-05	0.066284038	1.9619E-06	6.81333E-05	0.000158152	0.001179213	0
2042 Nov	0.082182363	9.85942E-06	1.061992049	1.571024656	0.010118887	0.000448088	3.846522093	0.000981	0.009644034	3.27134E-05	4.1911E-05	4.5954E-05	0.066718154	1.97188E-06	6.87289E-05	0.000159464	0.001183835	0
2042 Dec	0.082243994	9.86461E-06	1.062642694	1.572242379	0.010122906	0.000448545	3.849252462	0.000981525	0.009652073	3.27062E-05	4.18943E-05	4.59669E-05	0.066764891	1.97292E-06	6.87948E-05	0.000159608	0.001184294	0
2043 Jan	0.082363009	9.86535E-06	1.063566804	1.574824452	0.01019325	0.000448595	3.852888346	0.000982179	0.009655312	3.30323E-05	4.19518E-05	4.59965E-05	0.066861309	1.97307E-06	6.88209E-05	0.000160338	0.001184452	0
2043 Feb	0.082511097	9.86579E-06	1.064715862	1.578052402	0.010288503	0.000448538	3.857270479	0.000983004	0.009657796	3.3483E-05	4.2045E-05	4.60391E-05	0.066982746	1.97316E-06	6.88387E-05	0.000161289	0.001184675	0
2043 Mar	0.082615584	9.86886E-06	1.065648198	1.580266714	0.010343463	0.000448634	3.860767603	0.000983736	0.009661918	3.37387E-05	4.21079E-05	4.60756E-05	0.067068242	1.97377E-06	6.88682E-05	0.000161854	0.001185137	0
2043 Apr	0.083215386	9.93511E-06	1.073146939	1.591863632	0.010442561	0.000451622	3.888003826	0.000990585	0.009727424	3.41057E-05	4.24192E-05	4.63976E-05	0.067555554	1.98702E-06	6.93351E-05	0.000163236	0.001193146	0
2043 May	0.098863602	1.01857E-05	1.194347501	1.909249187	0.019836929	0.000439451	4.317803383	0.001089205	0.010129509	0.000119451	6.06582E-05	5.52034E-05	0.079509206	2.03713E-06	7.15626E-05	0.000271494	0.001280427	0
2043 Jun	0.136643603	9.79291E-06	1.332535982	2.470478296	0.049772445	0.000165573	4.451304913	0.001276918	0.009814425	0.000412676	0.000208682	7.48315E-05	0.098091036	1.95858E-06	6.00225E-05	0.000757862	0.001874648	0
2043 Jul	0.122411408	1.0408E-05	1.209267497	2.060170412	0.036112256	0.000165343	3.991936684	0.001208742	0.009978832	0.000297977	0.000195397	6.47516E-05	0.082654074	2.0816E-06	5.87979E-05	0.000602626	0.001889251	0
2043 Aug	0.11615669	1.0781E-05	1.224803925	2.001766682	0.030935086	0.000233176	4.118543148	0.001205638	0.010085806	0.000243812	0.000161365	6.42328E-05	0.081745252	2.15621E-06	6.1509E-05	0.000493011	0.001776535	0
2043 Sep	0.105475724	1.06256E-05	1.19881022	1.895339727	0.025009679	0.000308621	4.114460468	0.001154217	0.009898663	0.000179808	0.000121722	6.07477E-05	0.078685589	2.12512E-06	6.36827E-05	0.000382884	0.001594715	0
2043 Oct	0.101499751	1.03948E-05	1.173339486	1.865774512	0.019974405	0.000395377	4.165192604	0.001101543	0.010382619	0.00012783	8.88196E-05	5.39333E-05	0.077087656	2.07897E-06	7.09613E-05	0.000322297	0.00143341	0
2043 Nov	0.098296352	1.02012E-05	1.151920319	1.840047836	0.016103826	0.000460797	4.196697712	0.001059522	0.010733522	8.80092E-05	6.35991E-05	4.8649E-05	0.075737946	2.04023E-06	7.63849E-05	0.000275583	0.001308055	0
2043 Dec	0.098326631	1.02053E-05	1.152389169	1.840856791	0.016085126	0.000461508	4.199180126	0.001059795	0.010741783	8.77749E-05	6.34549E-05	4.86378E-05	0.075769186	2.04106E-06	7.64644E-05	0.000275401	0.001307872	0
2044 Jan	0.09851338	1.02064E-05	1.153904915	1.845022917	0.016199697	0.000461591	4.205138683	0.001060852	0.010746101	8.82642E-05	6.35244E-05	4.86871E-05	0.07592655	2.04127E-06	7.65006E-05	0.000276509	0.001308	0
2044 Feb	0.098814309	1.02121E-05	1.156469464	1.851491332	0.016372368	0.000461717	4.214811325	0.001062803	0.010755199	8.90659E-05	6.37055E-05	4.87858E-05	0.076174147	2.04243E-06	7.65656E-05	0.000278247	0.001308974	0
2044 Mar	0.099065669	1.02244E-05	1.158892274	1.856650829	0.016480574	0.000462197	4.223818302	0.00106481	0.010769736	8.95799E-05	6.38605E-05	4.88829E-05	0.076376379	2.04488E-06	7.66693E-05	0.000279438	0.001310671	0
2044 Apr	0.099436611	1.02551E-05	1.162943125	1.863853097	0.0165793	0.000463542	4.238680363	0.001068409	0.010802932	9.00752E-05	6.40957E-05	4.90509E-05	0.07666707	2.05101E-06	7.69057E-05	0.000280752	0.001314671	0
2044 May	0.103256486	1.04725E-05	1.199983954	1.939120054	0.018125009	0.000470162	4.371866226	0.001100702	0.011044344	0.00010295	6.757E-05	5.11285E-05	0.079629607	2.09449E-06	7.85381E-05	0.000299734	0.001349374	0
2044 Jun	0.091569141	9.61342E-06	0.954796433	1.438196659	0.021127012	0.000145742	2.951722622	0.001020713	0.009009033	0.000155399	0.00020065	4.78278E-05	0.058734767	1.92268E-06	5.28154E-05	0.000507301	0.001900251	0
2044 Jul	0.090256408	1.02728E-05	0.942961335	1.329113841	0.017850097	0.000126131	2.820414305	0.001046891	0.00938206	0.000127707	0.000220923	4.66556E-05	0.054734167	2.05456E-06	5.31803E-05	0.000505676	0.002070763	0
2044 Aug	0.0962625	1.10792E-05	1.030686975	1.451420307	0.018444583	0.000163995	3.148383617	0.001124843	0.010066668	0.000128836	0.000218699	5.08897E-05	0.060165845	2.21584E-06	5.80486E-05	0.000500855	0.002138146	0
2044 Sep	0.087940313	1.04186E-05	1.054890633	1.524944425	0.014054267	0.000326264	3.546929836	0.001050628	0.009824329	7.46421E-05	0.000122721	4.86778E-05	0.06425193	2.08371E-06	6.42673E-05	0.000318858	0.001624999	0
2044 Oct	0.089169987	1.02065E-05	1.105537534	1.616223454	0.01264907	0.000408908	4.790293217	0.001036491	0.010281477	5.72853E-05	9.28066E-05	4.6178E-05	0.069772452	2.06425E-06	7.1973E-05	0.000280793	0.001455503	1.82286E-05
2044 Nov	0.089755982	1.02077E-05	1.133052826	1.643667698	0.012490365	0.000427719	5.441659451	0.001041838	0.010410018	5.45586E-05	8.88994E-05	4.61316E-05	0.072177373	2.07778E-06	7.4105E-05	0.000275877	0.001432914	2.87819E-05
2044 Dec	0.089803629	1.02115E-05	1.134819269	1.645147562	0.01249362	0.000428429	5.479353428	0.001042542	0.010417151	5.45249E-05	8.88989E-05	4.61589E-05	0.072317131	2.07932E-06	7.42051E-05	0.000275908	0.001433006	2.93997E-05
2045 Jan	0.089935444	1.02113E-05	1.13640511	1.648313642	0.012578396	0.000428579	5.499490738	0.001043371	0.010419777	5.49056E-05	8.89629E-05	4.62015E-05	0.072473578	2.07963E-06	7.42457E-05	0.000276696	0.001432916	2.96803E-05
2045 Feb	0.090110011	1.02113E-05	1.138027668	1.652270436	0.012694542	0.00042855	5.512313366	0.001044393	0.01042213	5.5449E-05	8.90724E-05	4.62568E-05	0.072640635	2.07979E-06	7.42713E-05	0.000277807	0.001433042	2.98136E-05
2045 Mar	0.090281114	1.02198E-05	1.139865994	1.655818462	0.012768562	0.000428894	5.523797035	0.001045828	0.010432189	5.5792E-05	8.92067E-05	4.63259E-05	0.072792508	2.08163E-06	7.43477E-05	0.000278647	0.001434317	2.99088E-05
2045 Apr	0.090610489	1.0251E-05	1.143840432	1.662093639	0.012843618	0.000430191	5.544529915	0.001049331	0.010464699	5.61312E-05	8.95123E-05	4.64842E-05	0.073066033	2.08802E-06	7.4582E-05	0.000279842	0.001438725	3.00399E-05
2045 May	0.092456624	1.04571E-05	1.167070389	1.696056843	0.013117938	0.000438834	5.657977581	0.001070577	0.010675457	5.73528E-05	9.13311E-05	4.74284E-05	0.074558601	2.13003E-06	7.60853E-05	0.000285628	0.001467692	3.06659E-05
2045 Jun	0.084500767	9.92324E-06	1.206509829	1.399759769	0.014995034	0.000249508	10.94534302	0.001071532	0.009447799	8.96661E-05	0.000200627	4.76432E-05	0.076670036	2.16286E-06	6.57324E-05	0.000434858	0.001882609	0.000141537
2045 Jul	0.087443776	1.03158E-05	1.254345536	1.371850967	0.016027059	0.000194805	12.41394615	0.001118181	0.009533469	0.000106584	0.000235821	4.98775E-05	0.07912226	2.27697E-06	6.43761E-05	0.000479551	0.00206639	0.000169798
2045 Aug	0.090480752	1.07843E-05	1.335343719	1.471553922	0.016069183	0.000241525	13.16158581	0.001167035	0.009907237	0.000102742	0.00022109	5.32699E-05	0.084804967	2.3809E-06	6.83744E-05	0.000446687	0.002035796	0.000177937
2045 Sep	0.088707261	1.06192E-05	1.357778549	1.549253583	0.014736143	0.000324917	13.05361748	0.001148939	0.009977059	8.23305E-05	0.000176821	5.31331E-05	0.087545916	2.33937E-06	7.23955E-05	0.00037266	0.001816574	0.000171179
2045 Oct	0.089940563	1.06596E-05	1.374337673	1.592739224	0.014515555	0.000352661	13.13095284	0.00115314	0.010198498	7.819E-05	0.000167433	5.28915E-05	0.089124836	2.34676E-06	7.49909E-05	0.000363089	0.001777306	0.000170628
2045 Nov	0.090249412	1.06932E-05	1.379264116	1.598888516	0.014554773	0.000354544	13.18115997	0.001156852	0.010235836	7.83191E-05	0.000167709	5.30508E-05	0.089462586	2.35431E-06	7.53002E-05	0.000363954	0.001781694	0.000171274
2045 Dec	0.090318717	1.06998E-05	1.38039875	1.600474358	0.01456005	0.000355176	13.19297314	0.001157596	0.010244946	7.83029E-05	0.000167673	5.30788E-05	0.089545511	2.35581E-06	7.53849E-05	0.000364024	0.001782126	0.00017142
2046 Jan	0.090410903	1.07006E-05	1.381178379	1.602608681	0.014612654	0.000355333	13.19592476	0.001158109	0.010247803	7.85302E-05	0.000167659	5.31033E-05	0.089625686	2.35595E-06	7.54119E-05	0.000364482	0.001781989	0.000171414

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.090532422	1.07018E-05	1.382193446	1.605291247	0.014686258	0.000355376	13.19998074	0.001158839	0.010250729	7.88709E-05	0.000167713	5.31411E-05	0.089728124	2.35621E-06	7.54348E-05	0.00036519	0.001782172	0.000171417
2046 Mar	0.090730101	1.07181E-05	1.384752274	1.609084606	0.014747767	0.000355914	13.22133732	0.001160918	0.010267191	7.91714E-05	0.000167986	5.32388E-05	0.089914221	2.35977E-06	7.55566E-05	0.000366106	0.001784856	0.000171667
2046 Apr	0.091365427	1.0789E-05	1.39421618	1.620526671	0.014867976	0.000358276	13.31052971	0.001168797	0.010335709	7.97996E-05	0.000169111	5.36015E-05	0.090540625	2.3754E-06	7.60622E-05	0.000368739	0.001796668	0.000172813
2046 May	0.097280979	1.09899E-05	1.450598836	1.742532969	0.017925853	0.000362272	13.62644386	0.001213044	0.010586489	0.000106604	0.000174934	5.70094E-05	0.095544979	2.41841E-06	7.78428E-05	0.000403513	0.001835684	0.000175067
2046 Jun	0.090747274	9.90478E-06	1.162680864	1.473656058	0.020067723	0.000187506	8.84280014	0.001088329	0.009262786	0.000141268	0.000217167	5.09227E-05	0.074220993	2.11152E-06	6.03749E-05	0.000502007	0.00196225	0.00010369
2046 Jul	0.08504875	9.88821E-06	1.019307852	1.26069963	0.014762587	0.000150086	6.66300106	0.001016747	0.008997372	0.000106058	0.000201432	4.51613E-05	0.061299447	2.06565E-06	5.46075E-05	0.000420294	0.001894574	6.98985E-05
2046 Aug	0.087759353	1.03587E-05	1.093383074	1.365506172	0.014574287	0.000205045	7.069756985	0.001061801	0.009356806	9.9342E-05	0.000179536	4.86098E-05	0.066443987	2.16155E-06	5.85379E-05	0.000373913	0.001833331	7.1326E-05
2046 Sep	0.084242351	1.00492E-05	1.131209612	1.489831328	0.012455706	0.000344224	6.987876892	0.001032487	0.009506392	6.37193E-05	0.000112958	4.79856E-05	0.071050391	2.08849E-06	6.5849E-05	0.000270135	0.001504333	6.24572E-05
2046 Oct	0.086849727	9.90656E-06	1.14841485	1.600466728	0.011424255	0.000429047	6.867689133	0.001017399	0.010122945	4.80814E-05	8.20808E-05	4.50236E-05	0.073936984	2.05145E-06	7.36529E-05	0.000245759	0.001352959	5.57002E-05
2046 Nov	0.08745718	9.92142E-06	1.154405236	1.619417906	0.01133485	0.000440946	6.8782444	0.001018901	0.01023238	4.63107E-05	7.85471E-05	4.48069E-05	0.074544095	2.05366E-06	7.48618E-05	0.000243569	0.001338726	5.5099E-05
2046 Dec	0.087532915	9.92863E-06	1.155418992	1.621029019	0.011340844	0.000441553	6.885266781	0.001019661	0.010242199	4.63012E-05	7.85218E-05	4.48335E-05	0.074616164	2.05518E-06	7.49457E-05	0.000243694	0.001339318	5.51578E-05
2047 Jan	0.087672323	9.92956E-06	1.156543374	1.624137044	0.011425466	0.000441628	6.889317036	0.001020451	0.010245574	4.66872E-05	7.85684E-05	4.48727E-05	0.074732639	2.05535E-06	7.49737E-05	0.000244508	0.001339407	5.51501E-05
2047 Feb	0.087860674	9.93141E-06	1.15808177	1.628247142	0.011541975	0.000441622	6.895138264	0.001021581	0.010249642	4.72342E-05	7.86786E-05	4.49319E-05	0.074888766	2.05572E-06	7.50031E-05	0.000245655	0.001339796	5.51496E-05
2047 Mar	0.088189289	9.95792E-06	1.161896706	1.63467586	0.011635343	0.000442753	6.916025639	0.001024822	0.010278182	4.76547E-05	7.89409E-05	4.50796E-05	0.075166456	2.0612E-06	7.52117E-05	0.000246913	0.001343448	5.5291E-05
2047 Apr	0.088539176	9.99137E-06	1.166211963	1.641354561	0.011710127	0.000444212	6.940669537	0.001028557	0.010313375	4.79828E-05	7.92358E-05	4.52469E-05	0.075463295	2.06812E-06	7.54691E-05	0.000248086	0.001348004	5.54733E-05
2047 May	0.10945835	1.00959E-05	1.318641663	2.077409744	0.025655307	0.000414358	7.363687515	0.001149851	0.010583444	0.000175987	0.000102588	5.77386E-05	0.091534987	2.08605E-06	7.63876E-05	0.000399546	0.001433159	5.31069E-05
2047 Jun	0.15311636	9.84618E-06	1.528251529	2.862048388	0.060039051	0.000186169	6.802249908	0.001383404	0.010195288	0.000503976	0.00021614	8.49361E-05	0.117149167	2.00946E-06	6.52385E-05	0.000852442	0.001871132	3.19466E-05
2047 Jul	0.142762497	1.05934E-05	1.452394962	2.555124044	0.050113119	0.000182277	6.463934422	0.001363319	0.010560763	0.000415001	0.000227579	7.8194E-05	0.105838098	2.15956E-06	6.57851E-05	0.000782112	0.00202606	3.24735E-05
2047 Aug	0.140110612	1.10674E-05	1.479603291	2.531545162	0.046678975	0.000229005	6.643872261	0.001381147	0.010831215	0.000378769	0.000209906	7.85029E-05	0.106009722	2.2556E-06	6.86644E-05	0.000716724	0.001997008	3.34545E-05
2047 Sep	0.115942843	1.05418E-05	1.341379166	2.171361685	0.03195652	0.000340011	6.122351646	0.001224971	0.010340256	0.000235404	0.000136007	6.6147E-05	0.09276019	2.14559E-06	7.01914E-05	0.000482535	0.001635126	2.95632E-05
2047 Oct	0.107657045	1.0225E-05	1.270028234	2.037923813	0.024604937	0.000412897	5.848928928	0.001141644	0.010574369	0.000165363	9.93032E-05	5.72573E-05	0.086842582	2.07844E-06	7.4953E-05	0.000389057	0.001450111	2.65502E-05
2047 Nov	0.106204547	1.01898E-05	1.258464098	2.015478134	0.023083074	0.000430106	5.802638531	0.001127197	0.010660002	0.000150639	9.16133E-05	5.55067E-05	0.085822463	2.07053E-06	7.62297E-05	0.000369941	0.001414542	2.58756E-05
2047 Dec	0.106251232	1.01961E-05	1.259143829	2.01646328	0.023071643	0.000430714	5.806603432	0.001127714	0.010668851	0.000150478	9.15404E-05	5.55135E-05	0.085865088	2.07182E-06	7.63058E-05	0.000369854	0.001414874	2.58959E-05
2048 Jan	0.106398717	1.01986E-05	1.260407329	2.019699574	0.023153301	0.000430874	5.811728477	0.001128626	0.010673854	0.000150806	9.15866E-05	5.55532E-05	0.085988745	2.07233E-06	7.63461E-05	0.000370647	0.00141512	2.58991E-05
2048 Feb	0.106620967	1.02031E-05	1.262319803	2.02447176	0.02327968	0.000430981	5.819240093	0.001130079	0.010680783	0.00015139	9.17202E-05	5.56263E-05	0.08617232	2.07323E-06	7.6396E-05	0.00037192	0.00141586	2.59051E-05
2048 Mar	0.106723584	1.02038E-05	1.263145924	2.026718616	0.023344181	0.000430968	5.822343349	0.001130679	0.010682771	0.000151681	9.17773E-05	5.56566E-05	0.086257391	2.07338E-06	7.64104E-05	0.000372547	0.001416026	2.59041E-05
2048 Apr	0.107610799	1.02562E-05	1.27226603	2.044634819	0.023688821	0.000433019	5.862098694	0.001138337	0.01074193	0.000153463	9.24308E-05	5.60368E-05	0.086982794	2.08402E-06	7.68344E-05	0.00037661	0.00142353	2.60318E-05
2048 May	0.110244565	1.04904E-05	1.302680016	2.095210791	0.024346972	0.000442804	6.001001358	0.001165297	0.010989415	0.000157539	9.46454E-05	5.73702E-05	0.089115106	2.13161E-06	7.86042E-05	0.000386343	0.001456203	2.6623E-05
2048 Jun	0.090572357	9.85978E-06	1.012313247	1.468010664	0.018524809	0.000210911	4.075893879	0.001034744	0.009396776	0.000125368	0.00018069	4.73804E-05	0.062580027	1.99324E-06	5.84387E-05	0.000455788	0.001828969	1.69029E-05
2048 Jul	0.087654456	1.01092E-05	0.931520224	1.27123487	0.01535256	0.000134841	3.403529406	0.001012658	0.009171435	0.000112026	0.000197843	4.47942E-05	0.053925853	2.03562E-06	5.22178E-05	0.000431623	0.001927484	1.09511E-05
2048 Aug	0.086730629	1.03303E-05	1.005550742	1.382258296	0.01412843	0.000227535	3.800062895	0.001031772	0.009239317	9.20898E-05	0.000146601	4.83719E-05	0.059676982	2.07936E-06	5.60636E-05	0.000324326	0.001703634	1.05706E-05
2048 Sep	0.084925659	1.01753E-05	1.048609257	1.483130932	0.012764579	0.000329406	4.068171501	0.001020649	0.009439125	6.74686E-05	0.000102697	4.82168E-05	0.064134412	2.04736E-06	6.21886E-05	0.000258133	0.001490696	9.76576E-06
2048 Oct	0.086800843	1.00014E-05	1.064316034	1.567105412	0.011895237	0.000396723	4.208384514	0.00100503	0.009922515	5.47994E-05	7.94319E-05	4.54496E-05	0.06675721	2.01157E-06	6.86527E-05	0.000241988	0.001368702	8.96135E-06
2048 Nov	0.087893076	1.00063E-05	1.075343013	1.602612734	0.011680881	0.000420352	4.271379471	0.001005963	0.010133529	5.10302E-05	7.24913E-05	4.48401E-05	0.067957371	2.01215E-06	7.10922E-05	0.000238111	0.001338099	8.65159E-06
2048 Dec	0.08795999	1.0012E-05	1.076125264	1.604076862	0.011684175	0.00042096	4.274799347	0.001006548	0.010142572	5.10004E-05	7.2424E-05	4.4856E-05	0.068014696	2.0133E-06	7.11706E-05	0.000238186	0.001338379	8.6519E-06
2049 Jan	0.088123105	1.00131E-05	1.077447414	1.607714891	0.011782397	0.000421062	4.279898643	0.001007468	0.010146698	5.14465E-05	7.2477E-05	4.49008E-05	0.068151616	2.01351E-06	7.12055E-05	0.000239138	0.001338474	8.64914E-06
2049 Feb	0.088331267	1.00139E-05	1.079098701	1.612297773	0.011916518	0.000421004	4.286148071	0.001008651	0.010150166	5.20765E-05	7.25956E-05	4.49634E-05	0.068324722	2.01367E-06	7.1231E-05	0.000240445	0.001338748	8.64792E-06
2049 Mar	0.088529944	1.0024E-05	1.081039548	1.616351247	0.012001139	0.000421379	4.293689251	0.001010268	0.010161845	5.24701E-05	7.27302E-05	4.50409E-05	0.068484984	2.0157E-06	7.13136E-05	0.00024139	0.001340189	8.65559E-06
2049 Apr	0.089058131	1.00767E-05	1.08721137	1.626238346	0.012105575	0.000423566	4.318107128	0.001015923	0.010216106	5.29411E-05	7.31477E-05	4.52961E-05	0.068897337	2.0263E-06	7.16948E-05	0.00024306	0.001347288	8.70051E-06
2049 May	0.093988717	1.02923E-05	1.132374287	1.724564552	0.014443612	0.000427742	4.48636198	0.001054488	0.010462624	7.31785E-05	7.81645E-05	4.80638E-05	0.072739109	2.06959E-06	7.33037E-05	0.000270839	0.001386938	8.8453E-06
2049 Jun	0.086212955	9.69953E-06	0.932040751	1.331065416	0.017113017	0.000162481	3.131116152	0.000998637	0.009024988	0.000117657	0.00019333	4.49644E-05	0.055545967	1.94637E-06	5.35247E-05	0.000460548	0.001882139	5.13406E-06
2049 Jul	0.086051673	9.97073E-06	0.902405679	1.240858316	0.014716513	0.000132595	2.965770006	0.000991712	0.009033043	0.000107286	0.0001917	4.36962E-05	0.051796962	1.99916E-06	5.10344E-05	0.000416864	0.001887691	3.9821E-06
2049 Aug	0.091853999	1.06928E-05	0.984371901	1.359369159	0.01514334	0.000170953	3.305708885	0.001060017	0.009648097	0.000108635	0.000183789	4.75829E-05	0.057049725	2.14385E-06	5.54763E-05	0.000399088	0.001915786	4.20815E-06
2049 Sep	0.089220144	1.03695E-05	1.029995203	1.481950879	0.013181939	0.000302889	3.663326979	0.001033031	0.009871314	7.62018E-05	0.000124283	4.64576E-05	0.062390152	2.07867E-06	6.33435E-05	0.000309901	0.001613699	3.79396E-06
2049 Oct	0.089808643	1.01168E-05	1.052152991	1.576940298	0.011939337	0.000389989	3.880117893	0.001010605	0.010283608	5.761E-05	8.95598E-05	4.38508E-05	0.065756507	2.02764E-06	7.03446E-05	0.000271869	0.001430965	3.40526E-06
2049 Nov	0.090246022	1.01213E-05	1.059415936	1.596451998	0.011814002	0.000403688	3.926188231	0.001011466	0.01038175	5.525E-05	8.50707E-05	4.36602E-05	0.066487983	2.0285E-06	7.16003E-05	0.000267653	0.001411111	3.37314E-06
2049 Dec	0.090317614	1.01281E-05	1.060316205	1.598043323	0.011818531	0.00040433	3.930124044	0.001012156	0.01039128	5.52231E-05	8.50046E-05	4.36838E-05	0.066552185	2.02986E-06	7.16821E-05	0.000267718	0.001411498	3.37601E-06
2050 Jan	0.090472601	1.01298E-05	1.061634898	1.60152626	0.011909379	0.000404478	3.935301304	0.001013084	0.010395731	5.56306E-05	8.50462E-05	4.373E-05	0.066684701	2.03022E-06	7.17198E-05	0.00026858	0.001411632	3.37542E-06
2050 Feb	0.090661965	1.01305E-05	1.063151479	1.605727673	0.012032259	0.000404433	3.941087484	0.001014162	0.010398746	5.6205E-05	8.51471E-05	4.37879E-05	0.066843778	2.03035E-06	7.17426E-05	0.000269761	0.001411839	3.37493E-06
2050 Mar	0.090779252	1.01325E-05	1.0641433	1.60826695	0.012101102	0.000404471	3.944852829	0.001014907	0.010402005	5.65268E-05	8.52154E-05	4.38262E-05	0.066940859	2.03074E-06	7.17661E-05	0.000270446	0.00141217	3.37519E-06
2050 Apr	0.091188692	1.01718E-05	1.068724036	1.615784168	0.01218606	0.000406019	3.961885452	0.001019161	0.010443109	5.69238E-05	8.55758E-05	4.40134E-05	0.067248836	2.03862E-06	7.20503E-05	0.000271858	0.001417688	3.38807E-06
2050 May	0.094682641	1.03534E-05	1.101714492	1.684499621	0.013697349	0.00041051	4.0817976	0.001047889	0.010645247	6.97616E-05	8.90801E-05	4.5938E-05	0.069945216	2.07501E-06	7.3385E-05	0.000290393	0.001448929	3.43486E-06
2050 Jun	0.098303296	9.75841E-06	1.023094773	1.598276973	0.024397496	0.000168013	3.345731497	0.001063224	0.009299454	0.00018352	0.000195434	5.14752E-05	0.065209515	1.95427E-06	5.56765E-05	0.000527359	0.001878361	2.05276E-06
2050 Jul	0.087006174	9.79303E-06	0.898710966	1.268414378	0.015066388	0.000139115	2.897973776	0.00097607	0.008908655	0.000114313	0.000174809	4.37326E-05	0.052438695	1.96057E-06	5.03666E-05	0.000386769	0.001779034	1.56177E-06
2050 Aug	0.091666356	1.02943E-05	0.955004811	1.354406357	0.014769715	0.000171491	3.175005436	0.001015868	0.009328242	0.000113941	0.000156368	4.61982E-05	0.056185178	2.06087E-06	5.32781E-05	0.000340854	0.001727444	1.60029E-06
2050 Sep	0.089537993	1.02138E-05	1.004197121	1.453975558	0.013420504	0.000274621	3.477008343	0.001013269	0.00957697	8.7037E-05	0.000117899	4.63503E-05	0.060801651	2.04466E-06	5.98485E-05	0.000285958	0.001552615	1.49837E-06
2050 Oct	0.090958066	1.03026E-05	1.027129173	1.504605532	0.013244495	0.000306015	3.598163128	0.001023275	0.009859892	8.19933E-05	0.000110385	4.62805E-05	0.062766753	2.06239E-06	6.30311E-05	0.000281829	0.001529114	1.48659E-06
2050 Nov	0.091432303	1.03543E-05	1.032652974	1.513130665	0.013305598	0.000308255	3.618710279	0.001028458	0.009914347	8.22768E-05	0.000110743	4.65022E-05	0.063119024	2.07274E-06	6.34134E-05	0.000283124	0.001535945	1.49784E-06
2050 Dec	0.091494717	1.03604E-05	1.033448219	1.514520645	0.013309804	0.000308814	3.622051001	0.001029081	0.009922795	8.22512E-05	0.000110698	4.65236E-05	0.063175105	2.07396E-06	6.34855E-05	0.000283209	0.001536374	1.49883E-06
2051 Jan	0.091597073	1.03622E-05	1.034363508	1.516844988	0.0133658	0.000308994	3.62569809	0.001029729	0.0099267	8.24916E-05	0.000110717	4.65541E-05	0.063264027	2.07433E-06	6.35195E-05	0.000283756	0.001536512	1.49904E-06
2051 Feb	0.091721021	1.03635E-05	1.035395503	1.519586563	0.013441758	0.000309028	3.629656792	0.001030477	0.009929623	8.28416E-05	0.00011078	4.65928E-05	0.063368373	2.07459E-06	6.35422E-05	0.0002845	0.001536735	1.49909E-06
2051 Mar	0.091841929	1.03702E-05	1.036560178	1.521965265	0.013491012	0.000309226	3.6339252	0.001031484	0.009936987	8.30807E-05	0.000110879	4.6641E-05	0.063462123	2.07593E-06	6.35914E-05	0.000285071	0.00153775	1.49999E-06
2051 Apr	0.092397489	1.0429E-05	1.042715907	1.531386375	0.013590652	0.000310977	3.655611753	0.001037522	0.009993822	8.36575E-05	0.000111522	4.69155E-05	0.063851848	2.08769E-06	6.39564E-05	0.000286908	0.001546473	1.50845E-06
2051 May	0.103435904	1.06013E-05	1.133612037	1.766570449	0.020286649	0.000309091	3.986383677	0.001108374	0.010285794	0.000143408	0.000121803	5.33517E-05	0.072794281	2.12215E-06	6.59103E-05	0.000360383	0.001595991	1.50369E-06
2051 Jun	0.099859111	9.53067E-06	1.011096001	1.609900594	0.027338548	0.000122228	3.181087732	0.001062968	0.008960909	0.000214123	0.00021116	5.30814E-05	0.065193355	1.90699E-06	5.18934E-05	0.000571708	0.001923143	6.80782E-07
2051 Jul	0.091050617	1.00533E-05	0.940622687	1.351620674	0.018867349	0.000120356	2.876254797	0.001034333	0.009177472	0.00014043	0.000212521	4.71085E-05	0.055543438	2.0114E-06	5.17817E-05	0.000494771	0.001998497	5.84991E-07
2051 Aug	0.088191725	1.02039E-05	1.00150013	1.430057764	0.015988359	0.000224559	3.290261745	0.001032802	0.009144963	0.000107749	0.000145419	4.95535E-05	0.060191602	2.04146E-06	5.52537E-05	0.000341536	0.001688132	5.36836E-07
2051 Sep	0.087430313	9.94991E-06	1.039861798	1.550800204	0.013404335	0.000357885	3.645396948	0.001005216	0.009693433	7.17599E-05	9.15934E-05	4.64138E-05	0.064916931	1.99056E-06	6.5198E-05	0.000268009	0.001420538	4.61687E-07
2051 Oct	0.090157211	9.68866E-06	1.074571729	1.701680779	0.010900269	0.000496713	4.01063776	0.000976162	0.010652826	3.89665E-05	4.27345E-05	4.10072E-05	0.069930479	1.93817E-06	7.81166E-05	0.000221167	0.001174649	3.467E-07
2051 Nov	0.090915732	9.74356E-06	1.0838691	1.721221089	0.010833935	0.000507521	4.057460308	0.000981447	0.010777559	3.74116E-05	4.0435E-05	4.10079E-05	0.07067363	1.94914E-06	7.93397E-05	0.000220069	0.001169907	3.38062E-07
2051 Dec	0.090979785	9.7501E-06	1.084636688	1.72250092	0.010839488	0.000507965	4.060488224	0.000982102	0.010785611	3.74133E-05	4.04292E-05	4.10324E-05	0.070725419	1.95045E-06	7.9403E-05	0.000220186	0.001170544	3.38127E-07
2052 Jan	0.091129728	9.75109E-06	1.085843682	1.725787044	0.010934644	0.000507933	4.065074921	0.000982977	0.010788381	3.78595E-05	4.05174E-05	4.10787E-05	0.070850015	1.95064E-06	7.94229E-05	0.000221116	0.001170799	3.38072E-07
2052 Feb	0.091351613	9.75436E-06	1.087691069	1.730570316	0.011068013	0.000507942	4.072012901	0.000984371	0.010793898	3.84895E-05	4.06613E-05	4.11516E-05	0.071032591	1.9513E-06	7.9461E-05	0.000222448	0.001171445	3.38139E-07
2052 Mar	0.091591008	9.76885E-06	1.09011066	1.735419631	0.011154742	0.000508608	4.081082821	0.00098641	0.010810962	3.88812E-05	4.07924E-05	4.12447E-05	0.071224175	1.9542E-06	7.95853E-05	0.00022346	0.001173323	3.38616E-07
2052 Apr	0.091940187	9.79994E-06	1.094026923	1.742210627	0.011229377	0.000510178	4.095751286	0.00098987	0.010845936	3.91912E-05	4.09616E-05	4.13938E-05	0.071498729	1.96042E-06	7.9842E-05	0.000224551	0.001177133	3.39679E-07
2052 May	0.121368438	9.93957E-06	1.310950875	2.346138239	0.031609841	0.000448496	4.83294487	0.001165682	0.011072693	0.000227754	8.11952E-05	5.99763E-05	0.094239309	1.98833E-06	7.94269E-05	0.000448415	0.001326815	3.26751E-07
2052 Jun	0.136854991	9.93111E-06	1.34153223	2.479218245	0.048350662	0.000193541	4.529769897	0.001279633	0.010112483	0.000397707	0.000201346	7.36614E-05	0.098440729	1.98651E-06	6.29536E-05	0.000741913	0.001857811	2.30008E-07
2052 Jul	0.11808715	1.02589E-05	1.167244196	1.967275262	0.031709682	0.000189989	3.956722021	0.001156556	0.009877509	0.000263943	0.000163242	6.07488E-05	0.079058215	2.05205E-06	5.86795E-05	0.000505742	0.00171494	2.08777E-07
2052 Aug	0.112162746	1.04936E-05	1.16392839	1.89008224	0.027027421	0.00023635	4.001437664	0.001142296	0.00987863	0.000217836	0.000135338	5.95254E-05	0.077055179	2.09898E-06	5.99292E-05	0.000410165	0.001613594	2.01249E-07
2052 Sep	0.103181303	1.03098E-05	1.149117351	1.829034209	0.021574011	0.000331153	4.050071716	0.001095938	0.009976048	0.000154473	9.84781E-05	5.52019E-05	0.07540334	2.06219E-06	6.51578E-05	0.000326547	0.001448908	1.82847E-07
2052 Oct	0.101800695	1.02632E-05	1.148539543	1.834584951	0.019457202	0.000379303	4.111224651	0.001080353	0.010287611	0.000130194	8.41966E-05	5.24711E-05	0.075486287	2.05286E-06	6.94711E-05	0.000304941	0.00138761	1.74446E-07
2052 Nov	0.102217883	1.03068E-05	1.153502226	1.842620611	0.019505335	0.000381765	4.130064487	0.001084765	0.010337457	0.000130344	8.43178E-05	5.26518E-05	0.075814463	2.06159E-06	6.98452E-05	0.000305893	0.001392574	1.75042E-07
2052 Dec	0.102269471	1.03127E-05	1.154182673	1.843749285	0.019503038	0.000382306	4.132914066	0.001085307	0.010345626	0.000130262	8.42743E-05	5.26652E-05	0.075859956	2.06275E-06	6.99149E-05	0.000305932	0.001392999	1.75084E-07

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.102379262	1.03145E-05	1.155138135	1.846203327	0.019564085	0.000382457	4.136668682	0.001085993	0.010349581	0.000130512	8.43094E-05	5.26956E-05	0.075953461	2.06312E-06	6.99482E-05	0.000306545	0.001393199	1.75084E-07
2053 Feb	0.102559656	1.03199E-05	1.156744361	1.850007892	0.019658409	0.00038262	4.142683506	0.001087261	0.010356785	0.000130957	8.44222E-05	5.2759E-05	0.076100305	2.0642E-06	6.99992E-05	0.000307523	0.001394027	1.7516E-07
2053 Mar	0.102829501	1.03401E-05	1.159553885	1.85517621	0.019742766	0.000383349	4.152888775	0.00108977	0.010378018	0.000131419	8.46248E-05	5.28817E-05	0.076307625	2.06824E-06	7.0144E-05	0.000308571	0.001396808	1.75494E-07
2053 Apr	0.103500247	1.04035E-05	1.166983485	1.867449641	0.019890239	0.00038569	4.179580212	0.001096676	0.010442269	0.000132344	8.51656E-05	5.32175E-05	0.076809444	2.08093E-06	7.0579E-05	0.000310721	0.001405411	1.76566E-07
2053 May	0.153115913	1.03208E-05	1.533291221	2.932299376	0.054519478	0.000314881	5.484813213	0.001373124	0.010914558	0.000448322	0.000142026	8.29173E-05	0.116602518	2.06435E-06	7.26717E-05	0.000692673	0.00157993	1.53521E-07
2053 Jun	0.152593002	9.55588E-06	1.449966788	2.837998629	0.060898729	0.000160062	4.939211845	0.001348155	0.009883547	0.000515061	0.00021053	8.39121E-05	0.111790672	1.91128E-06	6.10814E-05	0.000854447	0.001826144	8.5281E-08
2053 Jul	0.137267396	1.01851E-05	1.331045985	2.427186012	0.048265815	0.000154196	4.411666393	0.001295187	0.01008823	0.000401627	0.000219218	7.43183E-05	0.096424855	2.03712E-06	6.05354E-05	0.000758037	0.001964628	8.40569E-08
2053 Aug	0.137993574	1.07978E-05	1.375678182	2.44966197	0.046083242	0.000194697	4.600753307	0.001333173	0.010530623	0.000378457	0.000206997	7.57467E-05	0.098078147	2.15967E-06	6.40114E-05	0.000711729	0.001970128	8.66128E-08
2053 Sep	0.139981687	1.12012E-05	1.417544603	2.500329018	0.045822706	0.000220914	4.759903908	0.001368994	0.010881256	0.000372406	0.000204035	7.74837E-05	0.100479491	2.24036E-06	6.68544E-05	0.000703605	0.001998698	8.8811E-08
2053 Oct	0.139209777	1.12496E-05	1.417982101	2.49368453	0.044587284	0.000240222	4.786538601	0.001364848	0.011015031	0.000359652	0.00019723	7.64836E-05	0.100267075	2.25004E-06	6.84587E-05	0.000686704	0.001974972	8.83935E-08
2053 Nov	0.13674964	1.11706E-05	1.401898742	2.457378864	0.042730749	0.000258292	4.759442329	0.00134443	0.011031074	0.000341662	0.00018757	7.45092E-05	0.098866522	2.23424E-06	6.9394E-05	0.000660412	0.001926267	8.68916E-08
2053 Dec	0.136701763	1.11713E-05	1.401753068	2.456816912	0.042674709	0.00025906	4.759986401	0.001344102	0.011035313	0.000341095	0.000187267	7.44592E-05	0.098846175	2.23438E-06	6.94521E-05	0.000659637	0.001925063	8.68621E-08
2054 Jan	0.136795893	1.1171E-05	1.402583122	2.459178209	0.04272927	0.000259338	4.763710499	0.00134456	0.011038107	0.000341183	0.000187183	7.44676E-05	0.098935559	2.23432E-06	6.94859E-05	0.000660026	0.00192448	8.68405E-08
2054 Feb	0.13697955	1.11731E-05	1.404123306	2.463248491	0.042839766	0.000259425	4.769687176	0.001345666	0.011042668	0.00034165	0.000187256	7.45206E-05	0.099090651	2.23472E-06	6.95219E-05	0.000661076	0.001924726	8.68464E-08
2054 Mar	0.137077227	1.1174E-05	1.404938459	2.465422869	0.042899188	0.000259467	4.772860527	0.001346245	0.011044968	0.000341898	0.000187292	7.45482E-05	0.099173404	2.23491E-06	6.95404E-05	0.000661636	0.001924828	8.68482E-08
2054 Apr	0.137842193	1.12323E-05	1.412671804	2.479420424	0.043155126	0.000260834	4.799365044	0.00135354	0.011103409	0.000343809	0.000188282	7.49495E-05	0.09973377	2.24658E-06	6.99106E-05	0.00066538	0.001934841	8.72983E-08
2054 May	0.15214856	1.12205E-05	1.523983002	2.798063278	0.052620165	0.000256139	5.227921963	0.001431101	0.011307511	0.000429663	0.000196279	8.32633E-05	0.111715935	2.24422E-06	7.15481E-05	0.000758503	0.001945983	8.45565E-08
2054 Jun	0.133401871	9.72642E-06	1.293321013	2.377353668	0.048111465	0.000145416	4.276262283	0.001255065	0.009672207	0.00039965	0.000215833	7.26964E-05	0.094362244	1.94534E-06	5.82371E-05	0.000754706	0.001906685	4.57388E-08
2054 Jul	0.105466239	9.96307E-06	1.049152493	1.677290797	0.026119322	0.000147629	3.421710968	0.001082179	0.009316832	0.000214396	0.000177635	5.43774E-05	0.067820162	1.99266E-06	5.35341E-05	0.000481965	0.00177644	3.7909E-08
2054 Aug	0.098266095	1.01325E-05	1.076884389	1.658103466	0.02162669	0.000236767	3.632216215	0.00107122	0.009247233	0.000162766	0.000130118	5.48021E-05	0.068724759	2.02655E-06	5.64387E-05	0.000356718	0.001580034	3.53104E-08
2054 Sep	0.093555957	1.01766E-05	1.103123784	1.674832463	0.01877325	0.000317699	3.811605215	0.001063837	0.009361702	0.000124697	9.83557E-05	5.44039E-05	0.07035163	2.03537E-06	6.07866E-05	0.000289466	0.00145073	3.29856E-08
2054 Oct	0.093652047	1.0039E-05	1.105074286	1.712284446	0.016819093	0.000379664	3.920067072	0.00104246	0.009828734	0.000102061	7.91954E-05	5.06956E-05	0.071312442	2.00784E-06	6.68803E-05	0.000270873	0.001356054	3.0621E-08
2054 Nov	0.093767308	1.0003E-05	1.106765628	1.726337075	0.016174491	0.00040082	3.960088253	0.001036285	0.009994803	9.4517E-05	7.28385E-05	4.9499E-05	0.071698211	2.00063E-06	6.89875E-05	0.000264825	0.001325627	2.97821E-08
2054 Dec	0.093853258	1.00113E-05	1.107787132	1.728133202	0.016177302	0.000401559	3.964352846	0.001037103	0.010006739	9.44652E-05	7.27895E-05	4.95218E-05	0.071769275	2.00229E-06	6.90871E-05	0.000264953	0.001326269	2.97922E-08
2055 Jan	0.094008915	1.00121E-05	1.109041691	1.731616974	0.016271103	0.000401669	3.969344378	0.001037965	0.010010774	9.48725E-05	7.28407E-05	4.95609E-05	0.071900256	2.00245E-06	6.91223E-05	0.00026588	0.001326343	2.97864E-08
2055 Feb	0.094210714	1.00126E-05	1.110631943	1.736070037	0.016402006	0.000401609	3.975433826	0.001039095	0.010014022	9.54782E-05	7.29562E-05	4.96195E-05	0.072068274	2.00255E-06	6.91468E-05	0.000267163	0.001326583	2.97838E-08
2055 Mar	0.09436845	1.0018E-05	1.112062216	1.739376426	0.01648159	0.000401781	3.980769396	0.001040238	0.010020881	9.58564E-05	7.30562E-05	4.96766E-05	0.072196364	2.00363E-06	6.91952E-05	0.000267997	0.001327389	2.97975E-08
2055 Apr	0.094836153	1.00611E-05	1.117328167	1.748225808	0.016593101	0.000403486	3.9997437	0.001045053	0.010064878	9.64564E-05	7.34056E-05	4.9908E-05	0.072558433	2.01226E-06	6.94996E-05	0.000269546	0.001333158	2.99245E-08
2055 May	0.096644565	1.02501E-05	1.138522983	1.781654954	0.016922735	0.000411047	4.075655937	0.001064831	0.010254296	9.83713E-05	7.48037E-05	5.08551E-05	0.073943555	2.05006E-06	7.08076E-05	0.00027479	0.001358242	3.04859E-08
2055 Jun	0.084092632	9.68227E-06	0.901288867	1.272641182	0.016025355	0.000150316	2.746413946	0.000984364	0.00891563	0.000109062	0.000195116	4.38299E-05	0.052632608	1.93648E-06	5.20001E-05	0.000452496	0.001893731	1.76197E-08
2055 Jul	0.087212749	1.00811E-05	0.908838809	1.261525989	0.015858106	0.000124706	2.742785692	0.001010625	0.009136042	0.000114486	0.000205483	4.4654E-05	0.052091163	2.01623E-06	5.13562E-05	0.000455205	0.001972273	1.38129E-08
2055 Aug	0.091244079	1.05571E-05	0.970209658	1.355578423	0.01576915	0.000163417	3.03081274	0.0010523	0.009526898	0.000113211	0.000187113	4.74933E-05	0.056293774	2.11143E-06	5.45432E-05	0.000413565	0.001922691	1.39318E-08
2055 Sep	0.088294618	1.04217E-05	1.017069936	1.445902944	0.014310369	0.000262944	3.349961519	0.001042263	0.009560497	8.77649E-05	0.000139274	4.83612E-05	0.060806874	2.08436E-06	5.93836E-05	0.000330336	0.001690618	1.28521E-08
2055 Oct	0.089581363	1.04501E-05	1.035686731	1.494615197	0.014035465	0.000295376	3.468279362	0.001045872	0.00981523	8.25605E-05	0.000128928	4.79404E-05	0.062630072	2.09003E-06	6.24707E-05	0.000320999	0.001646268	1.26277E-08
2055 Nov	0.090000987	1.04689E-05	1.041467309	1.508360863	0.013982935	0.000303742	3.501497746	0.001047948	0.009889424	8.1362E-05	0.000126512	4.78903E-05	0.063152157	2.0938E-06	6.33059E-05	0.000319046	0.001637149	1.25828E-08
2055 Dec	0.090057127	1.04717E-05	1.042233586	1.510146737	0.013976824	0.000304807	3.505809069	0.001048248	0.00989913	8.1214E-05	0.000126212	4.78857E-05	0.063220203	2.09435E-06	6.34134E-05	0.000318811	0.001636061	1.25775E-08
2056 Jan	0.090263724	1.04731E-05	1.043991446	1.514922857	0.014096422	0.000305131	3.513039589	0.001049406	0.009905405	8.17317E-05	0.000126205	4.79406E-05	0.063401073	2.09465E-06	6.3473E-05	0.000319896	0.001635855	1.25752E-08
2056 Feb	0.090526082	1.04746E-05	1.046126246	1.520766377	0.014261272	0.000305172	3.521326065	0.001050912	0.009910643	8.24939E-05	0.000126319	4.80192E-05	0.063622534	2.09494E-06	6.35151E-05	0.000321472	0.00163609	1.25748E-08
2056 Mar	0.090726025	1.0482E-05	1.047948837	1.524906754	0.014359969	0.000305387	3.528059483	0.001052395	0.009919755	8.29607E-05	0.00012646	4.80924E-05	0.063783228	2.09642E-06	6.35781E-05	0.000322533	0.001637252	1.25825E-08
2056 Apr	0.091263451	1.05353E-05	1.053883195	1.534377217	0.01448266	0.000306938	3.548373938	0.00105816	0.009971363	8.36114E-05	0.000127133	4.83588E-05	0.06417235	2.10708E-06	6.39115E-05	0.000324639	0.001645577	1.26459E-08
2056 May	0.126628667	1.05043E-05	1.322245121	2.307937384	0.038154136	0.000281786	4.557243824	0.001250802	0.010439907	0.000299211	0.000154289	6.88914E-05	0.093155593	2.10088E-06	6.71848E-05	0.000568844	0.001708515	1.16056E-08
2056 Jun	0.155288458	9.71064E-06	1.475237489	2.888599634	0.062176157	0.000160005	5.016667843	0.001372247	0.010026	0.00052598	0.000215229	8.55703E-05	0.113782801	1.94214E-06	6.18577E-05	0.0008721	0.001861407	6.53192E-09
2056 Jul	0.140593901	1.03441E-05	1.357152224	2.483589172	0.048841279	0.000162754	4.548390388	0.001311267	0.010229941	0.000410312	0.000208943	7.57435E-05	0.098635972	2.06883E-06	6.12764E-05	0.000737412	0.001919013	6.43663E-09
2056 Aug	0.129927754	1.06051E-05	1.304065228	2.274051905	0.039774552	0.000209712	4.439005375	0.001259256	0.010186924	0.000329398	0.000169918	7.05946E-05	0.091474943	2.12104E-06	6.16733E-05	0.000580811	0.001768439	6.19471E-09
2056 Sep	0.127469793	1.08063E-05	1.314797521	2.261214733	0.036726486	0.000262025	4.527069092	0.001257891	0.010508951	0.000295513	0.000153735	6.89601E-05	0.091377467	2.16127E-06	6.5742E-05	0.000538242	0.001724226	6.12983E-09
2056 Oct	0.118210018	1.04819E-05	1.256932497	2.13492465	0.029969973	0.000335519	4.428173542	0.00118268	0.010627168	0.000227483	0.000120373	6.13459E-05	0.086454123	2.0964E-06	7.01085E-05	0.000453016	0.001557283	5.6256E-09
2056 Nov	0.116663083	1.04465E-05	1.248784304	2.115341663	0.028676018	0.00035152	4.420913696	0.001170773	0.010682469	0.000214239	0.000113907	5.99692E-05	0.085700274	2.0893E-06	7.1206E-05	0.000436911	0.001527732	5.5313E-09
2056 Dec	0.116678767	1.04511E-05	1.249217749	2.115893126	0.028651008	0.00035222	4.423130035	0.001171045	0.010690126	0.000213939	0.000113766	5.9959E-05	0.085723862	2.09023E-06	7.128E-05	0.000436644	0.001527645	5.53121E-09
2057 Jan	0.11681515	1.04528E-05	1.250414252	2.119028807	0.028728845	0.000352437	4.427939415	0.001171866	0.010694645	0.000214207	0.00011378	5.99916E-05	0.085843407	2.09057E-06	7.1321E-05	0.000437376	0.001527684	5.5307E-09
2057 Feb	0.117003947	1.0454E-05	1.251956582	2.123226643	0.028848531	0.000352443	4.43386364	0.001172967	0.010698283	0.000214729	0.000113874	6.00463E-05	0.086002775	2.0908E-06	7.13494E-05	0.000438532	0.001527926	5.53059E-09
2057 Mar	0.117255725	1.04679E-05	1.254389644	2.128217459	0.028950548	0.000352894	4.442733288	0.001175059	0.010713865	0.000215286	0.000114071	6.01525E-05	0.086199082	2.09359E-06	7.14555E-05	0.00043972	0.001529999	5.53755E-09
2057 Apr	0.11794427	1.05245E-05	1.261606455	2.140955448	0.029143384	0.000354791	4.468437195	0.001181711	0.010772524	0.000216605	0.000114713	6.04926E-05	0.086711682	2.1049E-06	7.18481E-05	0.000442443	0.001538289	5.56725E-09
2057 May	0.131364346	1.06774E-05	1.368720174	2.425539017	0.037659496	0.000345672	4.853458405	0.001265353	0.011050312	0.000293424	0.000128533	6.8487E-05	0.097495407	2.13548E-06	7.35108E-05	0.000535636	0.001597646	5.51898E-09
2057 Jun	0.107687145	9.67374E-06	1.079174876	1.784855843	0.031682581	0.000132523	3.417061567	0.001112245	0.009224614	0.000252232	0.00021241	5.74726E-05	0.071819529	1.93475E-06	5.40426E-05	0.000611435	0.001931874	2.92516E-09
2057 Jul	0.101441719	1.02404E-05	1.031564116	1.583850026	0.024815844	0.000131357	3.19925499	0.001101217	0.009513668	0.000192451	0.000216319	5.30867E-05	0.06438344	2.04808E-06	5.44866E-05	0.000552625	0.002020414	2.73535E-09
2057 Aug	0.10941527	1.11592E-05	1.125887752	1.720903754	0.025980664	0.000160065	3.535215378	0.001191857	0.010327362	0.000200299	0.000221342	5.76822E-05	0.070211217	2.23184E-06	5.96307E-05	0.000564719	0.002130908	2.93299E-09
2057 Sep	0.108701035	1.1245E-05	1.151609302	1.760674	0.024607157	0.000212046	3.701063871	0.001194001	0.010529223	0.000182511	0.000199644	5.76298E-05	0.072172701	2.249E-06	6.30561E-05	0.000522829	0.00204114	2.88001E-09
2057 Oct	0.106938496	1.10629E-05	1.149900198	1.774048209	0.022788579	0.000261146	3.787959576	0.001168362	0.010649375	0.000162523	0.000175564	5.54011E-05	0.072667561	2.21259E-06	6.62089E-05	0.000480872	0.00191354	2.75831E-09
2057 Nov	0.107097194	1.10795E-05	1.153793812	1.782077074	0.022639221	0.000268303	3.812508106	0.001169291	0.010702706	0.000160567	0.00017314	5.53166E-05	0.072989777	2.21589E-06	6.68453E-05	0.000477272	0.001904218	2.75223E-09
2057 Dec	0.107143894	1.10843E-05	1.154508829	1.783376455	0.022631336	0.000269076	3.816003561	0.001169723	0.010711011	0.000160424	0.000172956	5.53245E-05	0.073042363	2.21686E-06	6.69266E-05	0.000477062	0.001903872	2.75242E-09
2058 Jan	0.107252814	1.10835E-05	1.15544343	1.78608799	0.022699689	0.000269299	3.820096254	0.001170249	0.010713256	0.000160678	0.000172886	5.53484E-05	0.073144987	2.21671E-06	6.69557E-05	0.000477574	0.001903269	2.75166E-09
2058 Feb	0.107412696	1.10837E-05	1.156744123	1.78972733	0.022803154	0.000269331	3.82523489	0.00117113	0.010715839	0.000161138	0.000172931	5.53944E-05	0.07328292	2.21674E-06	6.69788E-05	0.000478516	0.00190321	2.75141E-09
2058 Mar	0.1075399	1.10879E-05	1.15788424	1.792378664	0.022868067	0.000269448	3.829462051	0.001172047	0.010721239	0.000161449	0.00017302	5.54402E-05	0.073385432	2.21759E-06	6.70163E-05	0.000479207	0.001903887	2.7523E-09
2058 Apr	0.1079458	1.11247E-05	1.16212368	1.799447298	0.022976009	0.00027035	3.843743563	0.001176202	0.010757546	0.000162127	0.000173607	5.56381E-05	0.073671393	2.22494E-06	6.72454E-05	0.000481088	0.001910173	2.76134E-09
2058 May	0.139028743	1.09637E-05	1.402970552	2.50323987	0.04436186	0.000255034	4.776320457	0.001339532	0.0110445	0.000356567	0.000189205	7.42547E-05	0.10015405	2.19274E-06	6.97797E-05	0.000685018	0.001909473	2.47801E-09
2058 Jun	0.145992011	9.44973E-06	1.388462186	2.682511806	0.057358291	0.000144395	4.675670624	0.001308153	0.009658746	0.000484088	0.000214185	8.01736E-05	0.105767176	1.88995E-06	5.89458E-05	0.000830242	0.001844013	1.07299E-09
2058 Jul	0.130148947	1.00613E-05	1.264823675	2.260996103	0.044191733	0.00014163	4.145955086	0.00124878	0.009842835	0.000366686	0.000218266	7.01589E-05	0.089999691	2.01226E-06	5.83165E-05	0.000720174	0.001957506	1.04712E-09
2058 Aug	0.128676489	1.05327E-05	1.281427741	2.229361534	0.040511414	0.000179153	4.259467125	0.001259784	0.01013613	0.000333344	0.00019753	6.97941E-05	0.089451127	2.10654E-06	6.06196E-05	0.00064359	0.001905488	1.05532E-09
2058 Sep	0.116955571	1.03477E-05	1.237300754	2.096128702	0.031639829	0.000291025	4.260599136	0.001183265	0.01030345	0.000242406	0.000144011	6.22377E-05	0.084908955	2.06954E-06	6.65878E-05	0.00050308	0.001660609	9.63712E-10
2058 Oct	0.111659624	1.02244E-05	1.211956978	2.036721468	0.026620559	0.000360189	4.276418686	0.001138253	0.010567063	0.000191545	0.000114038	5.70041E-05	0.082616158	2.04487E-06	7.13769E-05	0.000432136	0.001521509	9.00304E-10
2058 Nov	0.111526474	1.02477E-05	1.213652253	2.037901878	0.026221627	0.00036817	4.29264164	0.001137786	0.010629187	0.000187235	0.000111511	5.66897E-05	0.082675673	2.04954E-06	7.20894E-05	0.000426698	0.001513216	8.96406E-10
2058 Dec	0.111529998	1.02503E-05	1.213895202	2.038201094	0.026198538	0.000368729	4.294166088	0.00113788	0.010634391	0.000186975	0.000111359	5.66754E-05	0.082688563	2.05007E-06	7.21436E-05	0.000426391	0.001512842	8.96238E-10
2059 Jan	0.111646406	1.02502E-05	1.214860678	2.040930986	0.026271563	0.000368849	4.298140049	0.001138496	0.01063681	0.000187233	0.000111355	5.67004E-05	0.082791775	2.05005E-06	7.21686E-05	0.000427031	0.001512616	8.96012E-10
2059 Feb	0.111823477	1.02509E-05	1.216285825	2.044874668	0.026385983	0.000368825	4.303632259	0.001139501	0.010639707	0.000187739	0.000111441	5.67515E-05	0.082941219	2.05017E-06	7.21911E-05	0.000428119	0.001512767	8.95953E-10
2059 Mar	0.111920014	1.02512E-05	1.217062593	2.047024965	0.02644839	0.000368812	4.306625366	0.001140049	0.010641281	0.000188014	0.000111488	5.67793E-05	0.083022691	2.05024E-06	7.22034E-05	0.000428713	0.001512849	8.9592E-10
2059 Apr	0.112418108	1.0292E-05	1.22232306	2.056355238	0.026588729	0.000370264	4.325379848	0.001144874	0.010684293	0.000188916	0.000111956	5.702E-05	0.083397821	2.05839E-06	7.24961E-05	0.000430748	0.001518883	8.99447E-10
2059 May	0.136786267	1.03648E-05	1.407752395	2.576512575	0.043041717	0.000340631	4.994466782	0.001285642	0.010971115	0.000339423	0.000136549	7.18172E-05	0.102984421	2.07296E-06	7.38181E-05	0.000604475	0.001598957	8.54052E-10
2059 Jun	0.172665447	1.00271E-05	1.63143146	3.283553839	0.071542352	0.000191713	5.649923325	0.001480597	0.010654117	0.000607765	0.000214063	9.51335E-05	0.128951356	2.00541E-06	6.73308E-05	0.000952554	0.00186125	5.79161E-10
2059 Jul	0.171605691	1.08879E-05	1.635898829	3.188162804	0.067287773	0.00019522	5.593734264	0.001518728	0.011274542	0.000568356	0.000229818	9.38593E-05	0.125666246	2.17759E-06	7.00199E-05	0.000939013	0.002034784	6.06076E-10
2059 Aug	0.176409677	1.15663E-05	1.699151516	3.269095182	0.067400634	0.000219492	5.824188232	0.001579558	0.01185165	0.000567408	0.000230531	9.67465E-05	0.129255474	2.31325E-06	7.37295E-05	0.000935695	0.002103237	6.34216E-10
2059 Sep	0.161791638	1.14232E-05	1.612478971	3.021196604	0.05726859	0.000286031	5.596206665	0.001490356	0.011780487	0.000470042	0.000193016	8.80166E-05	0.120223805	2.28464E-06	7.5915E-05	0.00079959	0.001939006	6.01069E-10
2059 Oct	0.121481374	1.02839E-05	1.30977273	2.304098845	0.030807659	0.000430147	4.749419689	0.00118645	0.011234441	0.0002225	9.66526E-05	6.02925E-05	0.092682809	2.05677E-06	7.91203E-05	0.000462235	0.001438219	4.62484E-10
2059 Nov	0.118005924	1.02292E-05	1.286185145	2.243133307	0.028217202	0.000448	4.690211296	0.001161981	0.011247898	0.000197853	8.71384E-05	5.77568E-05	0.090368085	2.04584E-06	7.99553E-05	0.000429663	0.001394709	4.47513E-10

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.117986247	1.02312E-05	1.286184549	2.242835045	0.028186155	0.00044839	4.690609455	0.001161933	0.011251182	0.000197539	8.702E-05	5.77347E-05	0.09035819	2.04624E-06	7.99897E-05	0.000429293	0.001394441	4.47382E-10
2060 Jan	0.118120447	1.02329E-05	1.287326932	2.245825291	0.028265139	0.000448491	4.695082664	0.001162748	0.011254857	0.00019783	8.70615E-05	5.77694E-05	0.090472288	2.04658E-06	8.00196E-05	0.000430034	0.001394591	4.47337E-10
2060 Feb	0.118319117	1.02348E-05	1.288955331	2.250166416	0.028388921	0.000448473	4.701254845	0.001163944	0.011258944	0.000198384	8.71776E-05	5.78301E-05	0.090637513	2.04697E-06	8.00487E-05	0.00043124	0.001394993	4.47358E-10
2060 Mar	0.11849501	1.02418E-05	1.290580869	2.253816843	0.028472412	0.000448721	4.7073102	0.001165263	0.011267643	0.000198799	8.72908E-05	5.78963E-05	0.090779319	2.04835E-06	8.01105E-05	0.000432143	0.001396014	4.47628E-10
2060 Apr	0.119212963	1.02992E-05	1.298238039	2.267643452	0.028667981	0.000451207	4.735310078	0.001172094	0.011331424	0.00020007	8.78105E-05	5.8236E-05	0.0913333	2.05984E-06	8.0564E-05	0.000434907	0.001403885	4.50119E-10
2060 May	0.169504434	1.01997E-05	1.66089046	3.320761919	0.065006606	0.000337492	5.985957623	0.001455256	0.011429809	0.000537451	0.000152256	9.03775E-05	0.130848363	2.03994E-06	7.81608E-05	0.000822354	0.001599992	3.77734E-10
2060 Jun	0.168623939	9.71586E-06	1.585755706	3.199347496	0.070492737	0.000172995	5.469970226	0.00144337	0.010304828	0.000600176	0.000214986	9.30284E-05	0.125539064	1.94317E-06	6.46594E-05	0.000944668	0.00183759	2.23954E-10
2060 Jul	0.164310068	1.05969E-05	1.56392765	3.027556896	0.06400156	0.000176119	5.309535503	0.001464406	0.010889044	0.000540726	0.000229811	8.98019E-05	0.119367413	2.11938E-06	6.69429E-05	0.000910455	0.002014614	2.33258E-10
2060 Aug	0.146311417	1.07303E-05	1.478560328	2.716088057	0.051884271	0.000240594	5.073019505	0.001381413	0.010606675	0.000426098	0.000183573	8.24907E-05	0.108796448	2.14606E-06	6.68437E-05	0.000719377	0.00183457	2.21677E-10
2060 Sep	0.104595698	1.00674E-05	1.238583565	2.037976503	0.026505392	0.000392408	4.401654243	0.001132322	0.009787038	0.000181068	8.31379E-05	6.15625E-05	0.084561877	2.01348E-06	6.79204E-05	0.000353107	0.001362982	1.72164E-10
2060 Oct	0.101638235	9.96373E-06	1.202147365	1.976265311	0.021812823	0.000444961	4.36156559	0.001088263	0.01024976	0.000136849	6.48572E-05	5.50068E-05	0.081537656	1.99275E-06	7.32588E-05	0.000311616	0.00127899	1.57774E-10
2060 Nov	0.100755051	9.93114E-06	1.191432238	1.957936168	0.020487402	0.000459421	4.348269939	0.001075502	0.010373824	0.000124385	5.97245E-05	5.31554E-05	0.080651142	1.98623E-06	7.47107E-05	0.000299796	0.001255067	1.52905E-10
2060 Dec	0.100814275	9.93801E-06	1.192128897	1.959065676	0.020478193	0.000460034	4.351289272	0.001076074	0.010383911	0.000124247	5.96743E-05	5.3161E-05	0.080695271	1.9876E-06	7.47937E-05	0.000299801	0.001255567	1.52922E-10
2061 Jan	0.100975782	9.93878E-06	1.193384171	1.96258378	0.020576268	0.000460065	4.356219769	0.001076957	0.010387644	0.00012466	5.97475E-05	5.31988E-05	0.08082708	1.98776E-06	7.48233E-05	0.000300777	0.001255718	1.52887E-10
2061 Feb	0.101195298	9.9394E-06	1.195093751	1.967374206	0.020718826	0.000459958	4.362721443	0.001078187	0.010390984	0.000125315	5.98848E-05	5.32617E-05	0.081007682	1.98788E-06	7.48464E-05	0.000302178	0.001256033	1.52873E-10
2061 Mar	0.101349391	9.94318E-06	1.196434498	1.970653415	0.020803325	0.000460059	4.367757797	0.001079226	0.010396391	0.000125713	5.998E-05	5.33142E-05	0.081133679	1.98864E-06	7.48848E-05	0.000303042	0.001256638	1.52918E-10
2061 Apr	0.101962961	9.99685E-06	1.203402758	1.982746601	0.020959672	0.0004625	4.393277645	0.001085415	0.010453352	0.000126593	6.03455E-05	5.36205E-05	0.081626393	1.99937E-06	7.52948E-05	0.000305109	0.001263495	1.53736E-10
2061 May	0.152255252	1.0055E-05	1.556264281	3.0067451	0.05530753	0.000362067	5.617796898	0.001365918	0.01090824	0.000445969	0.000126364	8.32528E-05	0.119693264	2.01099E-06	7.55098E-05	0.000689563	0.001488775	1.30701E-10
2061 Jun	0.154962167	9.50382E-06	1.469880342	2.899586439	0.062745057	0.000161265	5.016191006	0.001359523	0.00988368	0.000531242	0.000210529	8.54479E-05	0.114114739	1.90077E-06	6.13293E-05	0.000870783	0.001816714	7.31923E-11
2061 Jul	0.147238985	1.03858E-05	1.416756868	2.642662048	0.053396359	0.000166921	4.762809277	0.001354993	0.010401593	0.000448688	0.000216168	7.98439E-05	0.104704134	2.07717E-06	6.29274E-05	0.00079256	0.001950891	7.51322E-11
2061 Aug	0.152034566	1.107E-05	1.476694465	2.716573477	0.053232491	0.000190293	4.987520695	0.001413154	0.010982952	0.000446375	0.000215375	8.24575E-05	0.10798274	2.21401E-06	6.65315E-05	0.000783137	0.002011141	7.86797E-11
2061 Sep	0.143696845	1.10495E-05	1.443759799	2.600185394	0.047444597	0.000244831	4.933089256	0.001370057	0.010986064	0.000388093	0.00018794	7.82835E-05	0.104073957	2.20989E-06	6.87353E-05	0.000695264	0.001896516	7.6126E-11
2061 Oct	0.118190937	1.02216E-05	1.267527938	2.197645903	0.02990129	0.00038657	4.53440094	0.001168092	0.010872023	0.00021916	0.000107934	5.94954E-05	0.088591203	2.04432E-06	7.47502E-05	0.000459697	0.001484202	6.22606E-11
2061 Nov	0.112455793	1.00696E-05	1.230186343	2.108598232	0.02569134	0.000423642	4.458090305	0.001123958	0.010899503	0.000178282	8.86771E-05	5.51328E-05	0.085187614	2.01392E-06	7.66203E-05	0.000403553	0.001389822	5.85275E-11
2061 Dec	0.112466894	1.0074E-05	1.230546594	2.108977795	0.02566655	0.000424235	4.459948063	0.001124194	0.010906073	0.000178	8.85479E-05	5.51237E-05	0.085204795	2.01481E-06	7.66822E-05	0.000403259	0.001389743	5.85202E-11
2062 Jan	0.11261972	1.00754E-05	1.231840372	2.112429857	0.025758538	0.000424354	4.46505928	0.001125095	0.010909935	0.000178349	8.85861E-05	5.51631E-05	0.08533626	2.01509E-06	7.67152E-05	0.000404111	0.001389815	5.85108E-11
2062 Feb	0.112843566	1.00774E-05	1.233672261	2.117341518	0.025898878	0.000424335	4.472022533	0.001126432	0.010914403	0.00017898	8.87129E-05	5.52315E-05	0.085523076	2.01548E-06	7.67476E-05	0.000405474	0.001390225	5.8513E-11
2062 Mar	0.113131858	1.00933E-05	1.236487985	2.123139381	0.026013611	0.000424949	4.482405663	0.001128819	0.010932906	0.000179589	8.89127E-05	5.53502E-05	0.085750945	2.01866E-06	7.68782E-05	0.000406814	0.001392495	5.86003E-11
2062 Apr	0.113840215	1.01509E-05	1.244037628	2.136655569	0.026204316	0.00042734	4.509875298	0.001135606	0.010995986	0.0001808	8.94541E-05	5.56838E-05	0.086293228	2.03017E-06	7.73221E-05	0.000409536	0.001400479	5.89317E-11
2062 May	0.115715876	1.03155E-05	1.264441133	2.171953201	0.026649302	0.000434245	4.583867073	0.001154188	0.01117461	0.000183848	9.09263E-05	5.65982E-05	0.087717101	2.0631E-06	7.85778E-05	0.000416375	0.001423238	5.98856E-11
2062 Jun	0.091729887	9.80275E-06	0.972988248	1.460107088	0.019286623	0.000188724	3.075882673	0.001025679	0.009365085	0.000135396	0.000185882	4.68281E-05	0.059728622	1.96055E-06	5.6636E-05	0.000475176	0.001853346	3.78738E-11
2062 Jul	0.088772759	1.00717E-05	0.920836866	1.297844529	0.016577916	0.000129816	2.805975676	0.001015704	0.009177274	0.000121497	0.00020183	4.52884E-05	0.053445335	2.01434E-06	5.18367E-05	0.000455119	0.001949812	2.75957E-11
2062 Aug	0.086543202	1.01657E-05	0.990838766	1.404161692	0.014548498	0.000236656	3.262069941	0.00101724	0.009099579	9.56518E-05	0.000133136	4.85322E-05	0.059224173	2.03315E-06	5.52889E-05	0.000306463	0.001624922	2.49034E-11
2062 Sep	0.086506613	9.99272E-06	1.036081195	1.529748559	0.013002448	0.000352314	3.604443312	0.001004178	0.009583732	6.9269E-05	8.92672E-05	4.68248E-05	0.064261779	1.99854E-06	6.4009E-05	0.000252586	0.001411692	2.20387E-11
2062 Oct	0.090062812	9.65943E-06	1.073794365	1.703821063	0.010918396	0.000498262	3.997746944	0.000973696	0.010626758	3.92145E-05	4.05571E-05	4.10121E-05	0.069979496	1.93189E-06	7.80236E-05	0.000217357	0.001160826	1.61275E-11
2062 Nov	0.090973958	9.73155E-06	1.08462286	1.725283742	0.010916925	0.000508477	4.048126221	0.000980964	0.010761179	3.82305E-05	3.89402E-05	4.11343E-05	0.070807189	1.94631E-06	7.92632E-05	0.000217649	0.001160956	1.58377E-11
2062 Dec	0.091031611	9.73734E-06	1.085310578	1.726443172	0.010922005	0.000508882	4.050851345	0.000981546	0.010768435	3.82322E-05	3.89329E-05	4.11558E-05	0.070853949	1.94747E-06	7.93206E-05	0.000217756	0.001161511	1.58393E-11
2063 Jan	0.091189101	9.73913E-06	1.086606383	1.729871988	0.011018112	0.000508892	4.05576992	0.000982503	0.0107721	3.86825E-05	3.90253E-05	4.12054E-05	0.070984364	1.94783E-06	7.93472E-05	0.000218707	0.001161866	1.58379E-11
2063 Feb	0.09153457	9.74111E-06	1.088292003	1.734375477	0.011148423	0.000508836	4.06210041	0.000983754	0.010776178	3.93001E-05	3.91626E-05	4.12721E-05	0.071155608	1.94822E-06	7.93748E-05	0.000219996	0.001162357	1.5839E-11
2063 Mar	0.09153457	9.74484E-06	1.089506745	1.737301946	0.011222483	0.000508943	4.066655636	0.000984703	0.010781332	3.96474E-05	3.92481E-05	4.13197E-05	0.071268305	1.94897E-06	7.94114E-05	0.000220758	0.00116294	1.58438E-11
2063 Apr	0.091877565	9.7751E-06	1.093345284	1.7439876	0.011297165	0.000510474	4.080995083	0.000988088	0.010815395	3.99602E-05	3.94102E-05	4.14661E-05	0.071538366	1.95502E-06	7.96615E-05	0.000221831	0.00116663	1.58923E-11
2063 May	0.123799577	9.91828E-06	1.328305006	2.399377584	0.033434711	0.000443383	4.880186081	0.001178347	0.011057694	0.000244774	8.3244E-05	6.16041E-05	0.09620858	1.98366E-06	7.91977E-05	0.000465259	0.001328517	1.48325E-11
2063 Jun	0.117485456	9.3866E-06	1.152785897	2.029421091	0.03923684	0.00013137	3.731579304	0.001150596	0.009160891	0.000321031	0.000210339	6.34037E-05	0.080947943	1.87732E-06	5.43764E-05	0.000672556	0.001871696	6.18642E-12
2063 Jul	0.100892872	9.86768E-06	1.019193172	1.597514153	0.025988912	0.000126608	3.179559469	0.001078604	0.009221024	0.00020404	0.000210218	5.29814E-05	0.064727381	1.97354E-06	5.29765E-05	0.000553495	0.001950098	5.55011E-12
2063 Aug	0.105576113	1.05274E-05	1.087370753	1.689065456	0.025895331	0.000160884	3.455617905	0.00113655	0.009772975	0.000201322	0.000202411	5.60679E-05	0.06884674	2.10548E-06	5.68797E-05	0.00053186	0.001973682	5.76722E-12
2063 Sep	0.099732175	1.04967E-05	1.112147093	1.70231235	0.022208294	0.00025606	3.680438995	0.001115752	0.009773273	0.000156871	0.00015416	5.55206E-05	0.070543282	2.09934E-06	6.09504E-05	0.000424069	0.001753648	5.40402E-12
2063 Oct	0.097549498	1.02105E-05	1.10596025	1.724509835	0.019081196	0.000336711	3.81107688	0.00107317	0.010091864	0.000123303	0.000117644	5.10699E-05	0.071121432	2.04209E-06	6.69273E-05	0.000364342	0.001560641	4.94346E-12
2063 Nov	0.097594321	1.02067E-05	1.109327674	1.734597087	0.018674582	0.000350389	3.845945358	0.001070842	0.010180227	0.000118622	0.00011251	5.05867E-05	0.071486153	2.04135E-06	6.81051E-05	0.000356596	0.0015372	4.88707E-12
2063 Dec	0.097684264	1.02158E-05	1.11046207	1.736557603	0.01867554	0.00035124	3.850782633	0.00107172	0.010192883	0.000118546	0.000112411	5.06136E-05	0.071564972	2.04317E-06	6.82127E-05	0.000356616	0.001537677	4.88912E-12
2064 Jan	0.097838603	1.02171E-05	1.111768246	1.740076542	0.018765064	0.000351441	3.856092691	0.0010726	0.0101974	0.00011892	0.000112419	5.06541E-05	0.071698427	2.04343E-06	6.82537E-05	0.00035743	0.001537601	4.88847E-12
2064 Feb	0.098057128	1.02199E-05	1.11358726	1.744853258	0.0188965	0.000351497	3.863046646	0.001073936	0.010202829	0.000119527	0.000112532	5.07227E-05	0.071880385	2.04397E-06	6.82941E-05	0.000358714	0.001538053	4.88911E-12
2064 Mar	0.09834104	1.02386E-05	1.11645174	1.75038743	0.018999718	0.00035212	3.873333216	0.001076471	0.010222971	0.000120058	0.000112784	5.08454E-05	0.072100334	2.04771E-06	6.84311E-05	0.000360016	0.00154089	4.8977E-12
2064 Apr	0.098729618	1.0273E-05	1.12066257	1.757572293	0.019101804	0.000353291	3.888137102	0.001080405	0.01025813	0.000120635	0.000113188	5.10329E-05	0.072391801	2.05459E-06	6.86677E-05	0.000361585	0.001546078	4.91395E-12
2064 May	0.135919377	1.02369E-05	1.397899389	2.558470488	0.044411305	0.00031067	4.909934998	0.001284108	0.010639539	0.000352856	0.000146404	7.31191E-05	0.102397464	2.04737E-06	7.06393E-05	0.000623852	0.00163124	4.34514E-12
2064 Jun	0.159566164	9.63911E-06	1.506946802	2.988802671	0.065244809	0.000158676	5.144332409	0.001391661	0.010047713	0.000553869	0.000216566	8.80106E-05	0.117506392	1.92782E-06	6.22165E-05	0.000901165	0.001852412	2.19827E-12
2064 Jul	0.142211169	1.02101E-05	1.365166638	2.525827408	0.050136659	0.000162775	4.603519917	0.001309716	0.010155701	0.000423508	0.000204002	7.65242E-05	0.10014569	2.04202E-06	6.0966E-05	0.00073901	0.001875268	2.14259E-12
2064 Aug	0.128698617	1.03927E-05	1.282285452	2.247033834	0.03911541	0.000207178	4.397917747	0.001233026	0.010001967	0.000327198	0.00015939	6.93589E-05	0.090264916	2.07854E-06	6.04113E-05	0.000554208	0.001691049	2.02428E-12
2064 Sep	0.106435984	1.00739E-05	1.197196484	1.973291636	0.025528133	0.000353457	4.245607853	0.00111457	0.009895964	0.000183816	9.27413E-05	5.86523E-05	0.081123956	2.01478E-06	6.64531E-05	0.000358118	0.001396958	1.71863E-12
2064 Oct	0.105359994	1.01145E-05	1.195497036	1.968383074	0.023152849	0.000396072	4.29428339	0.001102994	0.010252433	0.000158507	8.09426E-05	5.5884E-05	0.080786556	2.02289E-06	7.06082E-05	0.000335927	0.001354859	1.65753E-12
2064 Nov	0.105898179	1.0168E-05	1.20173645	1.978627205	0.023244243	0.00039868	4.317380905	0.001108626	0.010310592	0.000159019	8.12186E-05	5.6142E-05	0.081205331	2.03359E-06	7.10301E-05	0.000337407	0.001361428	1.66533E-12
2064 Dec	0.105942003	1.01731E-05	1.202303767	1.979545712	0.023239704	0.000399153	4.319779873	0.001109083	0.01031791	0.000158928	8.11798E-05	5.61507E-05	0.081242159	2.03463E-06	7.10917E-05	0.000337422	0.001361806	1.66566E-12
2065 Jan	0.106035203	1.0174E-05	1.203073621	1.981630206	0.023294192	0.000399243	4.32283783	0.001109619	0.010320675	0.000159142	8.12087E-05	5.61728E-05	0.081320822	2.03479E-06	7.11155E-05	0.000337963	0.001361886	1.66552E-12
2065 Feb	0.106183812	1.01768E-05	1.204337478	1.984826803	0.023379508	0.000399307	4.327609062	0.001110579	0.010325178	0.000159538	8.12982E-05	5.62211E-05	0.081443079	2.03535E-06	7.11479E-05	0.000338825	0.001362363	1.66583E-12
2065 Mar	0.106465667	1.01976E-05	1.207304358	1.990323663	0.023470243	0.000400097	4.338395596	0.001113203	0.010347163	0.000160055	8.15007E-05	5.63538E-05	0.081663787	2.03951E-06	7.13001E-05	0.000339936	0.0013652	1.66916E-12
2065 Apr	0.107137613	1.02583E-05	1.214792371	2.003016233	0.023634793	0.000402468	4.365375042	0.001120043	0.010409363	0.000161119	8.20075E-05	5.67E-05	0.082181774	2.05167E-06	7.17292E-05	0.000342202	0.001373369	1.67906E-12
2065 May	0.153766349	1.02502E-05	1.552113414	2.982220173	0.055645995	0.000328857	5.560003281	0.001379598	0.010892749	0.000455117	0.000137905	8.41318E-05	0.118672863	2.05003E-06	7.34319E-05	0.000698621	0.001554776	1.50009E-12
2065 Jun	0.143480867	9.62963E-06	1.376977086	2.623192549	0.05484169	0.00015559	4.630442142	0.001303761	0.009784529	0.000460135	0.000211832	7.86297E-05	0.103675358	1.92593E-06	5.98608E-05	0.00080555	0.001857995	8.65152E-13
2065 Jul	0.135611579	1.05286E-05	1.324127913	2.363717794	0.045824312	0.00015639	4.349941254	0.001304447	0.010316957	0.000378832	0.000225104	7.31741E-05	0.094163813	2.10573E-06	6.1496E-05	0.000746011	0.002034659	8.79759E-13
2065 Aug	0.134496346	1.10373E-05	1.357806325	2.363161325	0.042930175	0.000201832	4.513044834	0.001328248	0.010641834	0.000348809	0.000206845	7.39485E-05	0.095016554	2.20746E-06	6.45264E-05	0.000683124	0.002002558	8.92434E-13
2065 Sep	0.111950479	1.03093E-05	1.230396271	2.059360504	0.027836833	0.000353559	4.310956478	0.001156821	0.010460311	0.000200338	0.00011903	5.92986E-05	0.083885364	2.06185E-06	7.04037E-05	0.000443692	0.001554165	7.33117E-13
2065 Oct	0.097953074	9.74152E-06	1.133678555	1.866487384	0.015943585	0.000489999	4.205875397	0.001022187	0.010800567	8.45591E-05	5.12E-05	4.54829E-05	0.076069444	1.9483E-06	7.89882E-05	0.000277967	0.001207805	5.40965E-13
2065 Nov	0.097489059	9.77201E-06	1.13415277	1.863813519	0.015016644	0.00050567	4.229269505	0.001018645	0.010916178	7.49858E-05	4.57731E-05	4.46377E-05	0.075969107	1.9544E-06	8.03551E-05	0.00026564	0.001187896	5.17599E-13
2065 Dec	0.097518839	9.77573E-06	1.134553909	1.864438653	0.015013297	0.000505991	4.230962276	0.001018969	0.010921067	7.49232E-05	4.57396E-05	4.46456E-05	0.075994693	1.95515E-06	8.03958E-05	0.000265619	0.001188132	5.17515E-13
2066 Jan	0.097693942	9.77816E-06	1.136016369	1.86824584	0.015117907	0.000506032	4.236522675	0.001020055	0.010925543	7.53992E-05	4.58367E-05	4.47004E-05	0.076139882	1.95563E-06	8.04284E-05	0.000266649	0.00118855	5.1749E-13
2066 Feb	0.097966947	9.78475E-06	1.138390183	1.874061108	0.015268555	0.000506199	4.245429993	0.001021895	0.010934944	7.61097E-05	4.60068E-05	4.47938E-05	0.076363355	1.95695E-06	8.0495E-05	0.000268186	0.001189615	5.17758E-13
2066 Mar	0.098386116	9.81528E-06	1.142823339	1.882404327	0.015393116	0.000507684	4.261992931	0.001025715	0.010970185	7.67084E-05	4.62265E-05	4.49682E-05	0.076695934	1.96306E-06	8.0753E-05	0.000269766	0.001193472	5.1933E-13
2066 Apr	0.098851927	9.85529E-06	1.147984505	1.891501784	0.015499782	0.000509699	4.281257153	0.001030257	0.011015536	7.72274E-05	4.64585E-05	4.51713E-05	0.077062391	1.97106E-06	8.1086E-05	0.000271291	0.00119842	5.21422E-13
2066 May	0.107098743	1.00108E-05	1.214010954	2.059028625	0.020563116	0.00050112	4.510373116	0.001085025	0.011203723	0.000123236	5.66315E-05	5.01789E-05	0.083446115	2.00216E-06	8.19667E-05	0.000327985	0.001248903	5.22663E-13
2066 Jun	0.10228277	9.6439E-06	1.038226485	1.672497153	0.028053667	0.000141643	3.26879549	0.001080707	0.009189285	0.000218318	0.000207686	5.40114E-05	0.067551486	1.92878E-06	5.41261E-05	0.000577156	0.001917933	2.8411E-13
2066 Jul	0.100868218	1.06143E-05	1.034307241	1.544660807	0.022395927	0.000143465	3.204776764	0.001113274	0.009824307	0.000170512	0.000215953	5.21161E-05	0.06305483	2.12287E-06	5.62744E-05	0.000530176	0.002060206	2.69869E-13
2066 Aug	0.104480207	1.11488E-05	1.094812512	1.627393603	0.02192772	0.00018257	3.479780674	0.001157206	0.010250764	0.000165169	0.000199527	5.48067E-05	0.066874668	2.22976E-06	5.96412E-05	0.000488923	0.002028091	2.74096E-13
2066 Sep	0.101571254	1.09276E-05	1.112097859	1.676619649	0.019451162	0.00027268	3.692858458	0.001128543	0.010419293	0.000133928	0.000157352	5.27869E-05	0.06914226	2.18553E-06	6.50175E-05	0.000416377	0.001815312	2.54272E-13
2066 Oct	0.098026574	1.04108E-05	1.107079864	1.720471978	0.016113155	0.000380116	3.881141663	0.001068243	0.010653126	9.53312E-05	0.000105707	4.77882E-05	0.070640735	2.08215E-06	7.20257E-05	0.000336361	0.001529962	2.21382E-13

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.097341508	1.03106E-05	1.106645346	1.730329871	0.015422227	0.000402612	3.922208309	0.001056373	0.01070827	8.731E-05	9.50728E-05	4.67758E-05	0.0709842	2.06212E-06	7.35217E-05	0.000319905	0.00147186	2.13588E-13
2066 Dec	0.097433887	1.03199E-05	1.107821465	1.732346773	0.01542686	0.000403426	3.927102327	0.001057301	0.01072067	8.72659E-05	9.49933E-05	4.68085E-05	0.07106591	2.06399E-06	7.36258E-05	0.000319966	0.001472445	2.13672E-13
2067 Jan	0.097604096	1.0322E-05	1.109286308	1.736188054	0.015526124	0.000403607	3.932904959	0.001058328	0.010725623	8.77011E-05	9.50301E-05	4.68593E-05	0.071212463	2.0644E-06	7.36682E-05	0.00032089	0.001472561	2.13655E-13
2067 Feb	0.09785758	1.03275E-05	1.111473799	1.741625428	0.015668724	0.000403748	3.941150427	0.001060003	0.010733841	8.83693E-05	9.51806E-05	4.69445E-05	0.071421064	2.0655E-06	7.37271E-05	0.000322329	0.001473443	2.13737E-13
2067 Mar	0.098115571	1.03431E-05	1.114026546	1.74672246	0.015765728	0.000404318	3.950469255	0.001062213	0.010751447	8.88421E-05	9.53791E-05	4.70484E-05	0.071622238	2.06862E-06	7.38494E-05	0.000323509	0.001475725	2.14044E-13
2067 Apr	0.098503895	1.03774E-05	1.118220091	1.753924489	0.015859932	0.000405636	3.965492249	0.001066084	0.010787892	8.93307E-05	9.57266E-05	4.72233E-05	0.071913064	2.07548E-06	7.41005E-05	0.000324978	0.00148065	2.14744E-13
2067 May	0.142375097	1.03758E-05	1.448170543	2.695480824	0.046362534	0.00034186	5.151920319	0.00131444	0.011133296	0.000369332	0.000140694	7.43995E-05	0.10734348	2.07516E-06	7.51277E-05	0.000643305	0.001611723	1.94694E-13
2067 Jun	0.158881918	9.78865E-06	1.50985229	2.975404024	0.063737899	0.000176363	5.170467377	0.001393587	0.010230458	0.000538759	0.000211653	8.71658E-05	0.117104955	1.95773E-06	6.38806E-05	0.00088303	0.001848018	1.20944E-13
2067 Jul	0.153052062	1.0648E-05	1.472054482	2.764003038	0.055841342	0.000180816	4.973669052	0.001399425	0.010756216	0.00046902	0.000218947	8.27872E-05	0.109413311	2.12961E-06	6.56137E-05	0.000820229	0.001984755	1.24372E-13
2067 Aug	0.139163703	1.08633E-05	1.367603064	2.436993837	0.043619588	0.000211541	4.692977428	0.001311184	0.010604861	0.000366966	0.000174327	7.42055E-05	0.097435184	2.17266E-06	6.41191E-05	0.000620372	0.001798692	1.18091E-13
2067 Sep	0.127420112	1.07525E-05	1.322700143	2.286233664	0.036113184	0.000289263	4.611546516	0.001250533	0.010593455	0.000288579	0.000139334	6.84193E-05	0.092381559	2.1505E-06	6.74909E-05	0.000513704	0.001650169	1.10679E-13
2067 Oct	0.109476939	1.01169E-05	1.204724073	2.02845192	0.023509512	0.000414943	4.369396687	0.001106697	0.010737906	0.000162249	8.21975E-05	5.40019E-05	0.082298554	2.02339E-06	7.47148E-05	0.000362133	0.001360964	9.13589E-14
2067 Nov	0.107182279	1.00749E-05	1.192627788	1.998189569	0.02156686	0.000438242	4.35615921	0.001089758	0.010827958	0.000142336	7.32652E-05	5.19517E-05	0.081133917	2.01498E-06	7.63662E-05	0.000339251	0.001321638	8.80446E-14
2067 Dec	0.107272573	1.00861E-05	1.19384253	2.000067472	0.021561872	0.000439121	4.361078739	0.001090777	0.010842107	0.000142193	7.3212E-05	5.19808E-05	0.081211179	2.01723E-06	7.64818E-05	0.000339292	0.001322581	8.80896E-14
2068 Jan	0.107461914	1.00895E-05	1.195486426	2.004251242	0.021669215	0.000439307	4.367441654	0.001091981	0.01084831	0.000142632	7.32883E-05	5.2036E-05	0.081371203	2.01789E-06	7.65313E-05	0.000340351	0.001322999	8.80902E-14
2068 Feb	0.107732192	1.00939E-05	1.19776535	2.01009655	0.021828819	0.000439376	4.376037598	0.001093698	0.010855651	0.000143368	7.34524E-05	5.21235E-05	0.081594586	2.01877E-06	7.65838E-05	0.000341946	0.001323787	8.8114E-14
2068 Mar	0.108149216	1.01216E-05	1.202007413	2.018313646	0.02197028	0.000440515	4.391681671	0.001097374	0.010886866	0.000144128	7.37258E-05	5.23017E-05	0.081920587	2.02431E-06	7.68044E-05	0.00034367	0.001327535	8.83477E-14
2068 Apr	0.109412797	1.02334E-05	1.21582973	2.04213953	0.022258962	0.000445346	4.442265511	0.001109882	0.011007994	0.000145927	7.45811E-05	5.28996E-05	0.082883425	2.04669E-06	7.76591E-05	0.00034791	0.001342273	8.93196E-14
2068 May	0.140435115	1.02757E-05	1.445779681	2.694754124	0.044058241	0.00038759	5.239408016	0.00129018	0.011229377	0.000346486	0.000113991	7.23564E-05	0.107416764	2.05514E-06	7.76662E-05	0.000585851	0.001476311	8.15537E-14
2068 Jun	0.131756082	9.50037E-06	1.273237228	2.352500439	0.047885314	0.000141652	4.211903095	0.001233343	0.009488844	0.000398427	0.000212455	7.16653E-05	0.09326528	1.90007E-06	5.72009E-05	0.000748697	0.001868277	3.7591E-14
2068 Jul	0.115920328	1.02241E-05	1.144995809	1.909409165	0.032814775	0.000149225	3.728792191	0.001164024	0.009725519	0.00026947	0.000198396	6.081E-05	0.076722093	2.04482E-06	5.65985E-05	0.000581169	0.001895559	3.54843E-14
2068 Aug	0.119995438	1.09454E-05	1.212649822	1.988590956	0.03208027	0.000187712	4.003913879	0.001222336	0.010309494	0.000260541	0.000189079	6.3683E-05	0.080463871	2.18908E-06	6.07576E-05	0.000550813	0.001919637	3.68744E-14
2068 Sep	0.111562192	1.06838E-05	1.196361423	1.941037774	0.02602688	0.000297913	4.106023312	0.001163663	0.010467676	0.000193811	0.000138992	5.84017E-05	0.079162948	2.13676E-06	6.69517E-05	0.000441791	0.00167893	3.35648E-14
2068 Oct	0.109172083	1.0583E-05	1.192083955	1.937821746	0.023378631	0.000352836	4.17533493	0.001139292	0.010705145	0.000164862	0.000117207	5.54219E-05	0.079016656	2.11659E-06	7.10559E-05	0.000401015	0.001575586	3.1942E-14
2068 Nov	0.109501317	1.0624E-05	1.197174191	1.946334839	0.023302486	0.000358184	4.198915958	0.001142776	0.010769784	0.000163621	0.000116249	5.54683E-05	0.079362869	2.12479E-06	7.16574E-05	0.000400033	0.001575657	3.19614E-14
2068 Dec	0.109576643	1.06323E-05	1.198166013	1.947973847	0.023301993	0.000358912	4.203041077	0.001143567	0.010780836	0.000163538	0.000116181	5.54929E-05	0.079429604	2.12646E-06	7.17503E-05	0.000400062	0.001576215	3.19723E-14
2069 Jan	0.109697826	1.06337E-05	1.199220777	1.950754285	0.023371907	0.000359088	4.20728302	0.001144289	0.010784626	0.000163814	0.000116193	5.55253E-05	0.079535574	2.12674E-06	7.17846E-05	0.000400709	0.001576227	3.19669E-14
2069 Feb	0.109874316	1.06363E-05	1.200708985	1.954604387	0.02347661	0.00035915	4.212947369	0.001145394	0.010789346	0.000164294	0.000116289	5.55815E-05	0.079682581	2.12726E-06	7.18196E-05	0.000401742	0.001576658	3.1971E-14
2069 Mar	0.109973684	1.0638E-05	1.201554656	1.956759691	0.023534382	0.000359194	4.216156006	0.001146029	0.010792224	0.00016456	0.000116344	5.56138E-05	0.079765022	2.1276E-06	7.18407E-05	0.000402316	0.001576938	3.19752E-14
2069 Apr	0.110319085	1.06669E-05	1.205191374	1.963126659	0.023629159	0.000360161	4.229054928	0.001149399	0.010822193	0.000165144	0.000116681	5.57782E-05	0.080021463	2.13338E-06	7.20413E-05	0.0004037	0.001581237	3.20602E-14
2069 May	0.117972821	1.09058E-05	1.271666765	2.119692326	0.027718781	0.00036246	4.467727661	0.001204388	0.011119011	0.000201247	0.000124223	6.01686E-05	0.086048104	2.18116E-06	7.39504E-05	0.000450123	0.001630744	3.24913E-14
2069 Jun	0.10067191	9.80473E-06	1.026485085	1.619032979	0.026467873	0.000137213	3.203567982	0.001080525	0.009243501	0.000204436	0.000211204	5.31464E-05	0.065603189	1.96095E-06	5.3934E-05	0.00056665	0.001954464	1.79064E-14
2069 Jul	0.097688615	1.04285E-05	1.004898429	1.484784961	0.021626933	0.000132812	3.075330496	0.001091097	0.009610224	0.000162931	0.000219465	5.0714E-05	0.060701463	2.08571E-06	5.47758E-05	0.000531569	0.002064445	1.65419E-14
2069 Aug	0.097485729	1.06955E-05	1.052835107	1.544899344	0.019907638	0.000195041	3.362758636	0.001104467	0.00974278	0.000144388	0.000181394	5.26742E-05	0.064006075	2.13911E-06	5.74986E-05	0.000441122	0.001903897	1.60382E-14
2069 Sep	0.093075894	1.01962E-05	1.067787051	1.62024951	0.015983097	0.000336714	3.672452927	0.001045324	0.010007463	9.64171E-05	0.000113224	4.82856E-05	0.067156151	2.03925E-06	6.61625E-05	0.000329308	0.001544137	1.35389E-14
2069 Oct	0.092436031	9.77571E-06	1.086890221	1.731490731	0.01231189	0.000482808	4.011466503	0.000993778	0.010700814	5.26711E-05	5.19227E-05	4.23351E-05	0.070960447	1.95514E-06	7.77566E-05	0.000246186	0.001223837	1.03562E-14
2069 Nov	0.093133643	9.81889E-06	1.098208666	1.7574507	0.01199373	0.000502632	4.081620693	0.000996905	0.010868765	4.81502E-05	4.58413E-05	4.20535E-05	0.071950242	1.96378E-06	7.96708E-05	0.000239131	0.001200733	9.8579E-15
2069 Dec	0.093192659	9.82487E-06	1.098933339	1.758676767	0.011997595	0.000503094	4.084561348	0.0009975	0.010876442	4.81363E-05	4.58136E-05	4.20749E-05	0.071999811	1.96497E-06	7.97331E-05	0.000239204	0.001201214	9.85834E-15
2070 Jan	0.093372904	9.82567E-06	1.10037744	1.762657046	0.012113879	0.000503048	4.090080738	0.000998533	0.010879399	4.86781E-05	4.59126E-05	4.21299E-05	0.072150633	1.96513E-06	7.97549E-05	0.000240324	0.00120144	9.85597E-15
2070 Feb	0.093610182	9.82611E-06	1.102238894	1.767867804	0.012272302	0.000502881	4.097090721	0.000999875	0.010882224	4.94293E-05	4.60695E-05	4.22037E-05	0.072347775	1.96522E-06	7.9773E-05	0.00024186	0.001201784	9.85456E-15
2070 Mar	0.093829006	9.8358E-06	1.104309082	1.772396684	0.012370138	0.000503274	4.10483551	0.001001565	0.010894217	4.98848E-05	4.61989E-05	4.22844E-05	0.072524391	1.96716E-06	7.98595E-05	0.000242927	0.001203127	9.86061E-15
2070 Apr	0.094610736	9.89412E-06	1.11260891	1.787868261	0.012596175	0.000506075	4.135775089	0.001008757	0.010961067	5.0905E-05	4.66226E-05	4.26046E-05	0.073141925	1.97882E-06	8.0347E-05	0.000245842	0.001210541	9.91518E-15
2070 May	0.128308475	1.00369E-05	1.361782551	2.482853413	0.035987679	0.000436941	4.987851143	0.001209227	0.011209821	0.000266268	9.14777E-05	6.3831E-05	0.099324964	2.00738E-06	7.98908E-05	0.000500652	0.001374142	9.24069E-15
2070 Jun	0.164715677	9.80144E-06	1.561451197	3.117263317	0.067205712	0.000188751	5.391016006	0.001424899	0.010385804	0.00056893	0.000208746	9.03635E-05	0.122512445	1.96029E-06	6.55931E-05	0.000909655	0.001825758	5.87399E-15
2070 Jul	0.15044558	1.04534E-05	1.448659897	2.722673655	0.054800987	0.000183339	4.904798985	0.001374349	0.010595719	0.000459612	0.000212884	8.12357E-05	0.107769847	2.09069E-06	6.49152E-05	0.000803244	0.001938986	5.85617E-15
2070 Aug	0.143285736	1.08455E-05	1.412251472	2.555954456	0.047349446	0.000216144	4.830929756	0.001344979	0.010709801	0.000395009	0.00018523	7.73149E-05	0.102029413	2.16909E-06	6.56023E-05	0.000679288	0.001850953	5.79307E-15
2070 Sep	0.116821505	1.02199E-05	1.254467845	2.158676147	0.029211493	0.000375343	4.48416996	0.001159679	0.010709673	0.000215606	0.000105296	5.93947E-05	0.087219313	2.04398E-06	7.29738E-05	0.000439738	0.001467624	4.78351E-15
2070 Oct	0.103955604	9.88157E-06	1.171473145	1.962410927	0.019624589	0.000464502	4.315740108	0.001061009	0.010851256	0.000121234	6.32657E-05	4.91866E-05	0.079654291	1.97631E-06	7.80438E-05	0.000319866	0.001265137	4.02283E-15
2070 Nov	0.103321992	9.88997E-06	1.169122458	1.954012275	0.018951541	0.000472976	4.317640305	0.001057082	0.010899786	0.000114362	6.02469E-05	4.85696E-05	0.079344742	1.97799E-06	7.87042E-05	0.000311711	0.001253947	3.95916E-15
2070 Dec	0.103333384	9.89275E-06	1.16936934	1.954314947	0.018939987	0.000473307	4.31881094	0.001057261	0.010903813	0.000114224	6.01888E-05	4.85671E-05	0.079357818	1.97855E-06	7.87408E-05	0.000311592	0.001254	3.95966E-15
2071 Jan	0.103459656	9.89349E-06	1.170402288	1.957132936	0.019019853	0.000473321	4.32280302	0.001057992	0.010906267	0.000114559	6.02463E-05	4.86023E-05	0.079464763	1.9787E-06	7.87604E-05	0.000312356	0.001254128	3.95766E-15
2071 Feb	0.103631757	9.89386E-06	1.171761513	1.960927844	0.019134205	0.00047322	4.327942848	0.001058968	0.01090846	0.000115083	6.03545E-05	4.8654E-05	0.079608425	1.97877E-06	7.87753E-05	0.000313462	0.00125436	3.95518E-15
2071 Mar	0.103747971	9.89618E-06	1.172755003	1.963421226	0.019200779	0.000473267	4.331678391	0.001059727	0.010911995	0.000115394	6.04266E-05	4.86927E-05	0.079703972	1.97924E-06	7.88004E-05	0.000314133	0.001254755	3.95467E-15
2071 Apr	0.104067527	9.92165E-06	1.176184297	1.969636679	0.019285658	0.000474448	4.344381809	0.001062747	0.010940641	0.000115853	6.06152E-05	4.88337E-05	0.07995303	1.98433E-06	7.90069E-05	0.000315283	0.001258043	3.96403E-15
2071 May	0.146347374	9.95688E-06	1.484599948	2.848881245	0.04941019	0.000381245	5.397398949	0.001308027	0.011125233	0.000394681	0.000117534	7.57928E-05	0.112999901	1.99138E-06	7.75988E-05	0.000642824	0.001450501	3.55761E-15
2071 Jun	0.144730449	9.6179E-06	1.386404634	2.653082609	0.0555012	0.00015974	4.6741786	0.001308713	0.009840721	0.000465736	0.00021125	7.9026E-05	0.104755558	1.92358E-06	6.04806E-05	0.000812596	0.001852679	2.01417E-15
2071 Jul	0.125359505	1.017E-05	1.231432557	2.151559353	0.040544063	0.000149272	4.009840012	0.001228941	0.009902248	0.000332266	0.000217612	6.71288E-05	0.085913479	2.03399E-06	5.87592E-05	0.000691396	0.001977535	1.92679E-15
2071 Aug	0.125372797	1.06721E-05	1.271070957	2.171467066	0.038394347	0.000191453	4.191693783	0.001258028	0.010244904	0.00030927	0.000201691	6.83914E-05	0.087477572	2.13443E-06	6.18207E-05	0.000639224	0.001954101	1.95934E-15
2071 Sep	0.107854694	1.0255E-05	1.200007915	1.970998049	0.026545677	0.000333245	4.159443378	0.001139986	0.01015406	0.000189367	0.000123114	5.86364E-05	0.080738485	2.051E-06	6.75168E-05	0.000430531	0.001572131	1.68743E-15
2071 Oct	0.102955393	1.00238E-05	1.167178154	1.914592505	0.021575937	0.000402685	4.166187286	0.001085275	0.010423895	0.000140379	9.09568E-05	5.25964E-05	0.078303792	2.00477E-06	7.24844E-05	0.000359922	0.001409807	1.52894E-15
2071 Nov	0.101246886	9.99694E-06	1.160455346	1.901695967	0.019038927	0.000444723	4.209928036	0.001065859	0.010674178	0.000114674	7.42204E-05	4.9788E-05	0.077710725	1.99939E-06	7.59167E-05	0.000324509	0.00133487	1.43542E-15
2071 Dec	0.101185903	9.99984E-06	1.160560012	1.90173924	0.018889394	0.000447536	4.214535236	0.001065135	0.010694569	0.000113124	7.32146E-05	4.96358E-05	0.077708505	1.99997E-06	7.61643E-05	0.000322451	0.001330827	1.42781E-15
2072 Jan	0.101398088	1.00013E-05	1.162293911	1.906465888	0.019019226	0.000447625	4.221349716	0.001066348	0.010699381	0.000113677	7.32873E-05	4.96932E-05	0.077887505	2.00025E-06	7.6204E-05	0.000323679	0.001330954	1.42511E-15
2072 Feb	0.101686008	1.00024E-05	1.164582849	1.912798882	0.01920611	0.000447515	4.230063915	0.001067991	0.010703829	0.000114537	7.34552E-05	4.97796E-05	0.078127265	2.00048E-06	7.62356E-05	0.000325485	0.001331341	1.42376E-15
2072 Mar	0.101862401	1.0005E-05	1.166055918	1.916614413	0.019311322	0.000447544	4.235630989	0.001069095	0.010708367	0.000115026	7.35608E-05	4.98363E-05	0.078272857	2.001E-06	7.62678E-05	0.000326529	0.001331816	1.4233E-15
2072 Apr	0.102404438	1.005E-05	1.171956062	1.927090168	0.019454118	0.00044951	4.257184029	0.001074367	0.010757535	0.0001158	7.39401E-05	5.0085E-05	0.078694977	2.01001E-06	7.6618E-05	0.000328534	0.001337881	1.42925E-15
2072 May	0.104971714	1.02865E-05	1.20068872	1.975759625	0.020021616	0.000459814	4.361466408	0.001100532	0.011011735	0.000119455	7.58549E-05	5.1352E-05	0.080671392	2.0573E-06	7.84213E-05	0.000337422	0.001369887	1.46236E-15
2072 Jun	0.090535276	9.90427E-06	0.965232909	1.423493266	0.018520508	0.000181502	3.018330812	0.00102774	0.009370176	0.000128141	0.000191655	4.65134E-05	0.058418844	1.98085E-06	5.62032E-05	0.000476388	0.001894768	1.00399E-15
2072 Jul	0.092434682	1.02464E-05	0.95961225	1.382604361	0.016790565	0.000162082	3.030344486	0.001032721	0.009445287	0.000124759	0.00018213	4.65625E-05	0.056832828	2.04927E-06	5.44175E-05	0.000420477	0.001862162	8.8903E-16
2072 Aug	0.084489845	1.01931E-05	1.037693739	1.4769454	0.013969533	0.000304263	3.514055014	0.001025304	0.009087501	8.01112E-05	0.000102422	5.0673E-05	0.063095607	2.03863E-06	5.82293E-05	0.000250736	0.001488762	7.51351E-16
2072 Sep	0.081989959	1.00245E-05	1.076662421	1.564395666	0.012257577	0.000406584	3.802447557	0.001010886	0.009284179	5.1853E-05	5.96002E-05	5.00872E-05	0.067129597	2.00491E-06	6.44382E-05	0.00018494	0.001281617	6.35816E-16
2072 Oct	0.086827375	9.74964E-06	1.079051018	1.66606915	0.011140418	0.00048011	3.966804028	0.000983315	0.010172533	3.97745E-05	4.08634E-05	4.40484E-05	0.069489077	1.94993E-06	7.40562E-05	0.000196035	0.001170708	5.30349E-16
2072 Nov	0.087743312	9.75572E-06	1.083615065	1.684790015	0.011039169	0.000491004	4.002465725	0.000983864	0.010320457	3.83659E-05	3.87135E-05	4.34901E-05	0.070045158	1.95114E-06	7.55167E-05	0.000197977	0.001161814	5.13019E-16
2072 Dec	0.087786548	9.75915E-06	1.084051967	1.685637116	0.011041388	0.000491331	4.004353523	0.000984208	0.01032614	3.83577E-05	3.8695E-05	4.34968E-05	0.070077166	1.95183E-06	7.55638E-05	0.000198072	0.001162081	5.11855E-16
2073 Jan	0.087946884	9.76049E-06	1.085324883	1.689105392	0.011138717	0.000491341	4.009243965	0.000985134	0.010329922	3.88147E-05	3.87867E-05	4.35426E-05	0.070207894	1.9521E-06	7.55919E-05	0.000199054	0.001162383	5.1119E-16
2073 Feb	0.088156305	9.76207E-06	1.086997509	1.693646431	0.011271068	0.000491272	4.015552044	0.000986365	0.010333852	3.94428E-05	3.89246E-05	4.36076E-05	0.070379905	1.95241E-06	7.56186E-05	0.000200369	0.00116283	5.10891E-16
2073 Mar	0.088315383	9.76791E-06	1.088463306	1.696984887	0.011348949	0.000491485	4.021036625	0.000987539	0.010341262	3.98052E-05	3.90196E-05	4.36652E-05	0.070509546	1.95358E-06	7.56718E-05	0.000201187	0.001163666	5.10989E-16
2073 Apr	0.089266114	9.86629E-06	1.099895597	1.715415359	0.011504218	0.000496388	4.063310623	0.000997822	0.010446123	4.04012E-05	3.94539E-05	4.41231E-05	0.071270108	1.97326E-06	7.64385E-05	0.000203616	0.001175466	5.16016E-16
2073 May	0.139361098	9.97306E-06	1.456233263	2.737005472	0.045986559	0.000392372	5.287238121	0.001283663	0.010862035	0.000360495	0.000107268	7.43659E-05	0.109394714	1.99461E-06	7.61797E-05	0.00058874	0.001414361	4.53981E-16
2073 Jun	0.158701301	9.6943E-06	1.507634044	2.979256868	0.064223193	0.000172428	5.163033962	0.001389339	0.010121839	0.000543385	0.000211049	8.74447E-05	0.117254175	1.93886E-06	6.31655E-05	0.000884921	0.001834433	2.74535E-16
2073 Jul	0.145714402	1.017E-05	1.401571155	2.627199173	0.052807309	0.000173327	4.748644829	0.001331145	0.010231406	0.000444758	0.000204156	7.88546E-05	0.104058646	2.034E-06	6.22612E-05	0.000766646	0.001869241	2.69354E-16
2073 Aug	0.14029783	1.06096E-05	1.380260229	2.497282505	0.046416149	0.000206125	4.721848011	0.001315265	0.01042579	0.000388829	0.000180524	7.58907E-05	0.09970773	2.12191E-06	6.35247E-05	0.000660237	0.001804455	2.67056E-16
2073 Sep	0.123261794	1.03703E-05	1.297955751	2.25377512	0.035417806	0.000303387	4.539482594	0.001216315	0.010332569	0.000277857	0.000131722	6.67059E-05	0.091160074	2.07406E-06	6.7215E-05	0.000505321	0.00158601	2.40384E-16

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.10766571	9.94463E-06	1.195247412	2.017374277	0.023295214	0.000421838	4.342924595	0.001092281	0.010616973	0.000158091	7.86826E-05	5.33691E-05	0.081905149	1.98893E-06	7.46046E-05	0.00035897	0.0013316664	2.01993E-16
2073 Nov	0.105491087	9.90667E-06	1.182365775	1.985464454	0.021425236	0.000441968	4.324244022	0.001075724	0.010693813	0.000139411	7.0458E-05	5.13975E-05	0.080665216	1.98133E-06	7.60026E-05	0.000336631	0.001295104	1.93767E-16
2073 Dec	0.105566189	9.91603E-06	1.183366895	1.987002134	0.021420687	0.000442687	4.328298092	0.001076569	0.010705546	0.000139291	7.04144E-05	5.14215E-05	0.080728479	1.98321E-06	7.60977E-05	0.000336657	0.001295891	1.93442E-16
2074 Jan	0.105713114	9.91758E-06	1.184600115	1.990276814	0.021508781	0.000442778	4.333103657	0.001077448	0.010709374	0.000139646	7.04707E-05	5.14613E-05	0.080853038	1.98352E-06	7.6129E-05	0.000337507	0.001296078	1.93194E-16
2074 Feb	0.10590978	9.91838E-06	1.18617034	1.994612217	0.021636873	0.000442703	4.339065075	0.001078577	0.010712402	0.000140226	7.05884E-05	5.15199E-05	0.0810173	1.98368E-06	7.61506E-05	0.000338749	0.001296362	1.93065E-16
2074 Mar	0.106102049	9.92678E-06	1.187978983	1.998577476	0.021724069	0.000443017	4.345799923	0.001080059	0.010722657	0.000140654	7.07093E-05	5.15932E-05	0.081171907	1.98536E-06	7.62236E-05	0.000339699	0.001297558	1.9315E-16
2074 Apr	0.107042961	1.00093E-05	1.198316097	2.016498566	0.021944217	0.000446666	4.383682728	0.001089364	0.010812471	0.000142001	7.13321E-05	5.20391E-05	0.081896067	2.00186E-06	7.68621E-05	0.000342903	0.0013084	1.9471E-16
2074 May	0.156500235	1.00636E-05	1.561295271	3.050787926	0.056708287	0.000349901	5.639810562	0.001374831	0.011134613	0.000462813	0.000134623	8.29906E-05	0.120733567	2.01273E-06	7.64421E-05	0.000721477	0.001521478	1.62763E-16
2074 Jun	0.165306315	9.52285E-06	1.552941203	3.132435799	0.069284409	0.000163901	5.347152233	0.001415734	0.010067406	0.000590432	0.000212993	9.13719E-05	0.122915372	1.90457E-06	6.29199E-05	0.000929833	0.001811386	8.61192E-17
2074 Jul	0.154561102	1.02835E-05	1.473761678	2.816957951	0.058641404	0.000166481	4.991889	0.001390237	0.010447113	0.000495859	0.000218035	8.4176E-05	0.1112388	2.0567E-06	6.36524E-05	0.000841207	0.00193582	8.70693E-17
2074 Aug	0.159704968	1.10169E-05	1.544094682	2.907869339	0.058794696	0.000194863	5.249420643	0.001456722	0.011071107	0.000494621	0.000218195	8.74029E-05	0.115287013	2.20338E-06	6.77751E-05	0.000837137	0.00200742	8.92662E-17
2074 Sep	0.131951481	1.05001E-05	1.375218511	2.458287477	0.040329766	0.000325345	4.825930595	0.001273517	0.010818943	0.000316364	0.000142005	7.05458E-05	0.098777965	2.10002E-06	7.17949E-05	0.00058177	0.001646272	7.70863E-17
2074 Oct	0.116594478	1.01623E-05	1.269903421	2.201839685	0.028630337	0.000418761	4.590510845	0.001156565	0.010944379	0.000204143	9.40244E-05	5.84446E-05	0.088899337	2.03246E-06	7.67305E-05	0.000433187	0.001417696	6.65895E-17
2074 Nov	0.115380369	1.01519E-05	1.262568355	2.182057619	0.02757857	0.000428489	4.577723026	0.001147909	0.010979333	0.000193908	8.96799E-05	5.74189E-05	0.088146195	2.03038E-06	7.73591E-05	0.000419992	0.001399074	6.53363E-17
2074 Dec	0.11542353	1.01591E-05	1.263246179	2.18298316	0.027562588	0.000429141	4.580656052	0.001148457	0.010988636	0.000193697	8.95962E-05	5.74259E-05	0.088185176	2.03181E-06	7.74378E-05	0.000419846	0.001399464	6.52194E-17
2075 Jan	0.115558393	1.01604E-05	1.26438427	2.186009645	0.027642667	0.000429249	4.585152626	0.001149255	0.010992214	0.000193993	8.96311E-05	5.74595E-05	0.08830034	2.03209E-06	7.74679E-05	0.000420593	0.001399548	6.51394E-17
2075 Feb	0.115766607	1.01631E-05	1.266113997	2.19053936	0.027768871	0.000429271	4.59170866	0.001150538	0.010997192	0.000194564	8.97518E-05	5.75245E-05	0.088473037	2.03262E-06	7.75037E-05	0.000421834	0.001400041	6.51106E-17
2075 Mar	0.116041206	1.01786E-05	1.268817425	2.19605875	0.027876513	0.000429878	4.601667404	0.001152836	0.011015169	0.000195146	8.99423E-05	5.76399E-05	0.088690333	2.03573E-06	7.76307E-05	0.000423099	0.001402253	6.51851E-17
2075 Apr	0.116958752	1.02542E-05	1.278678298	2.213608503	0.028120875	0.000433042	4.63751936	0.001161705	0.011097621	0.000196759	9.06407E-05	5.80836E-05	0.089395888	2.05085E-06	7.8212E-05	0.000426596	0.001412705	6.56547E-17
2075 May	0.142664626	1.03753E-05	1.471620679	2.750079632	0.045593683	0.000390886	5.313408375	0.001313697	0.011364476	0.000357564	0.0001213	7.39829E-05	0.109606668	2.07505E-06	7.88116E-05	0.00061513	0.001523186	6.31504E-17
2075 Jun	0.094125286	9.721E-06	0.978436887	1.491510034	0.022158815	0.000152654	3.044229031	0.001039261	0.009171992	0.000164011	0.000201526	4.90078E-05	0.060781296	1.9442E-06	5.40881E-05	0.000519158	0.001912802	3.92577E-17
2075 Jul	0.090892538	1.01762E-05	0.942374587	1.343206882	0.017923176	0.000129534	2.862879753	0.001037195	0.009302983	0.000131627	0.000209546	4.66777E-05	0.055213891	2.03525E-06	5.27028E-05	0.000482221	0.001998179	3.19964E-17
2075 Aug	0.093043365	1.05144E-05	0.996562541	1.424823523	0.01722292	0.000178663	3.153310061	0.001063135	0.009542447	0.000124113	0.000180613	4.91211E-05	0.059098464	2.10287E-06	5.54883E-05	0.00041637	0.001884902	3.02934E-17
2075 Sep	0.093504645	1.0587E-05	1.033365846	1.49754715	0.01654456	0.000236995	3.368314505	0.001071022	0.009807486	0.000111558	0.000158373	4.95186E-05	0.062282909	2.1174E-06	5.97161E-05	0.00038293	0.001790982	2.80244E-17
2075 Oct	0.093595669	1.03564E-05	1.055944085	1.584912062	0.015017812	0.000325057	3.607422829	0.001048277	0.010189052	9.04481E-05	0.000121776	4.70338E-05	0.065517806	2.07128E-06	6.64881E-05	0.000336588	0.001601088	2.5042E-17
2075 Nov	0.09403602	1.03659E-05	1.064502835	1.606556416	0.014830264	0.000341144	3.663480997	0.001049304	0.010299067	8.7334E-05	0.000116269	4.68355E-05	0.066350676	2.07317E-06	6.79152E-05	0.000330417	0.001576986	2.43361E-17
2075 Dec	0.094113596	1.03715E-05	1.065646529	1.608929038	0.014823377	0.000342501	3.66939044	0.001049882	0.010312157	8.71441E-05	0.000115916	4.68432E-05	0.066444136	2.07431E-06	6.80536E-05	0.000330117	0.001575952	2.426E-17
2076 Jan	0.094315037	1.03725E-05	1.06736064	1.61362052	0.014944966	0.000342759	3.676390648	0.001051007	0.010317332	8.76701E-05	0.000115915	4.6899E-05	0.066622227	2.0745E-06	6.81038E-05	0.0003312	0.001575716	2.42197E-17
2076 Feb	0.094618499	1.03778E-05	1.069944739	1.620200872	0.015121034	0.000342897	3.686202288	0.001052946	0.010326168	8.84918E-05	0.000116082	4.69985E-05	0.066873953	2.07556E-06	6.81685E-05	0.000332947	0.001576565	2.42099E-17
2076 Mar	0.094893545	1.03928E-05	1.072593927	1.625663042	0.015234353	0.000343371	3.695823669	0.001055225	0.01034298	8.90415E-05	0.000116308	4.71072E-05	0.067088589	2.07855E-06	6.8283E-05	0.000334284	0.00157886	2.42327E-17
2076 Apr	0.095378183	1.04374E-05	1.077815294	1.634384751	0.01535079	0.000344833	3.714090109	0.001060179	0.010388451	8.96591E-05	0.00011684	4.73323E-05	0.067442499	2.08747E-06	6.85852E-05	0.000336197	0.001585649	2.433E-17
2076 May	0.1318461	1.04363E-05	1.356869936	2.429708242	0.040205266	0.000309155	4.744140148	0.001264392	0.010786119	0.000316437	0.000148113	6.93752E-05	0.097370245	2.08726E-06	7.09286E-05	0.000591788	0.001667738	2.29685E-17
2076 Jun	0.143735021	9.50839E-06	1.373411894	2.631480455	0.055526152	0.000149845	4.619376183	0.001298457	0.009692284	0.000466979	0.000212284	7.87287E-05	0.103879914	1.90168E-06	5.92269E-05	0.000812499	0.001846046	1.27495E-17
2076 Jul	0.127606392	1.00543E-05	1.244401813	2.204656839	0.04217758	0.000147171	4.086965084	0.001231014	0.009810885	0.000349356	0.000211607	6.84494E-05	0.087877549	2.01086E-06	5.81603E-05	0.00069082	0.001927395	1.12604E-17
2076 Aug	0.126833573	1.0607E-05	1.279556394	2.204579115	0.039148115	0.000192769	4.258390427	0.001256928	0.010174797	0.000318794	0.000192877	6.92177E-05	0.088737927	2.12141E-06	6.13291E-05	0.000624976	0.001896199	1.07088E-17
2076 Sep	0.122322001	1.06692E-05	1.275565267	2.164901495	0.035060573	0.000253735	4.321217537	0.001235506	0.010382828	0.000275602	0.000167216	6.64476E-05	0.087638743	2.13384E-06	6.51318E-05	0.000558184	0.001793848	9.5459E-18
2076 Oct	0.109656379	1.01683E-05	1.197456241	2.003226995	0.025171274	0.000371391	4.240570068	0.001122639	0.01057838	0.000177503	0.000108591	5.53975E-05	0.081305012	2.03367E-06	7.19838E-05	0.000415321	0.00149467	7.84808E-18
2076 Nov	0.107760638	1.01148E-05	1.187623501	1.981095195	0.023475206	0.000393899	4.240986824	0.001106307	0.010651375	0.000160426	9.8424E-05	5.36025E-05	0.080448642	2.02296E-06	7.34736E-05	0.000391029	0.001446189	7.50296E-18
2076 Dec	0.107819319	1.01224E-05	1.188459754	1.982390881	0.023465998	0.000394617	4.244579792	0.001106964	0.010661637	0.00016027	9.83335E-05	5.36171E-05	0.080501989	2.02449E-06	7.35613E-05	0.000390944	0.001446584	7.49009E-18
2077 Jan	0.107955471	1.01234E-05	1.189607024	1.985499382	0.02354824	0.000394744	4.24917984	0.001107743	0.010665036	0.000160586	9.83538E-05	5.36514E-05	0.080620088	2.02467E-06	7.35919E-05	0.000391694	0.001446549	7.48058E-18
2077 Feb	0.108156219	1.01252E-05	1.191256166	1.989908099	0.023672989	0.000394748	4.255468845	0.001108944	0.010669263	0.000161151	9.84628E-05	5.37129E-05	0.080787778	2.02504E-06	7.36231E-05	0.000392905	0.001446909	7.4767E-18
2077 Mar	0.108312972	1.01307E-05	1.192675948	1.993182302	0.023751413	0.000394922	4.260757446	0.001110083	0.010676222	0.000161529	9.85651E-05	5.37699E-05	0.080914557	2.02613E-06	7.36722E-05	0.000393737	0.001447736	7.47785E-18
2077 Apr	0.108935885	1.01836E-05	1.199359298	2.004868984	0.023913285	0.000396965	4.284758091	0.001116199	0.01073275	0.000162541	9.91089E-05	5.40672E-05	0.081385449	2.03672E-06	7.40629E-05	0.000396152	0.001455335	7.5153E-18
2077 May	0.136326849	1.023E-05	1.405011654	2.586737633	0.042752936	0.00035612	5.018462181	0.001273446	0.01098375	0.000335586	0.000128707	7.0941E-05	0.103278153	2.04601E-06	7.48084E-05	0.000595547	0.001549754	7.24598E-18
2077 Jun	0.145922571	9.74753E-06	1.397815466	2.668554306	0.055888046	0.00015751	4.701503277	0.001322914	0.009936681	0.000469039	0.000215627	7.97751E-05	0.105398037	1.94951E-06	6.08455E-05	0.000821978	0.001885986	3.84386E-18
2077 Jul	0.134876624	1.0528E-05	1.317318678	2.345796347	0.045498092	0.000153972	4.310761452	0.00130208	0.010323187	0.00037513	0.000228774	7.26702E-05	0.093441561	2.1056E-06	6.14995E-05	0.000751801	0.002055613	3.27543E-18
2077 Aug	0.134503394	1.10415E-05	1.355331421	2.358473778	0.043110982	0.000196954	4.484344959	0.001330415	0.010667111	0.000349663	0.000212944	7.37922E-05	0.094758339	2.20829E-06	6.45898E-05	0.000697914	0.002034916	3.09839E-18
2077 Sep	0.105999075	1.01545E-05	1.199643135	1.975097418	0.024777401	0.000375071	4.227978706	0.001121399	0.010268686	0.000169706	0.00010404	5.68548E-05	0.080972843	2.03091E-06	7.02157E-05	0.000394498	0.001477427	2.00438E-18
2077 Oct	0.102374673	1.00382E-05	1.17559576	1.931172729	0.020263622	0.000438727	4.2504405 98	0.001079573	0.01061901	0.000125312	7.71623E-05	5.14888E-05	0.079014361	2.00763E-06	7.52991E-05	0.000334917	0.001350371	1.52071E-18
2077 Nov	0.102699086	1.00766E-05	1.179799318	1.937939286	0.02022592	0.000442235	4.268546581	0.001082911	0.010672162	0.000124636	7.67641E-05	5.15579E-05	0.079287134	2.01531E-06	7.57452E-05	0.0003347	0.001352566	1.50391E-18
2077 Dec	0.102764957	1.0084E-05	1.180624843	1.939275146	0.02022424	0.000442823	4.271951199	0.001083594	0.010681812	0.000124562	7.6721E-05	5.15774E-05	0.079341203	2.01679E-06	7.58236E-05	0.000334731	0.001353134	1.50177E-18
2078 Jan	0.102905817	1.00865E-05	1.181828141	1.942347646	0.020302532	0.000442957	4.276636124	0.001084477	0.010686529	0.000124896	7.6774E-05	5.16181E-05	0.079458378	2.0173E-06	7.58605E-05	0.000335498	0.001353427	1.50036E-18
2078 Feb	0.103088297	1.00887E-05	1.18333149	1.946308732	0.020413561	0.000442964	4.282332897	0.001085591	0.010690788	0.00012541	7.68821E-05	5.16754E-05	0.079609163	2.01774E-06	7.58908E-05	0.000336594	0.001353854	1.49977E-18
2078 Mar	0.103217296	1.00928E-05	1.184490085	1.949025512	0.020479925	0.000443095	4.286664963	0.00108651	0.010696173	0.000125726	7.6963E-05	5.17214E-05	0.079714157	2.01856E-06	7.59291E-05	0.000337287	0.001354475	1.49988E-18
2078 Apr	0.104259044	1.01897E-05	1.19625926	1.968858242	0.020710114	0.000447324	4.329338074	0.001097223	0.010799526	0.000127086	7.7731E-05	5.22327E-05	0.080521785	2.03795E-06	7.66628E-05	0.000340848	0.001367527	1.514E-18
2078 May	0.166815057	1.0056E-05	1.641132355	3.273489952	0.064905092	0.00031966	5.889282703	0.001440903	0.011092792	0.000537438	0.000153736	9.05486E-05	0.129224882	2.01119E-06	7.53689E-05	0.000815718	0.001592959	1.75705E-18
2078 Jun	0.180173442	9.61413E-06	1.679233909	3.473759174	0.07842958	0.000175929	5.853570938	0.00150103	0.01039348	0.000672018	0.000214406	0.000100045	0.135932803	1.92283E-06	6.58791E-05	0.001009507	0.001801362	9.38417E-19
2078 Jul	0.174899846	1.0366E-05	1.644271255	3.284221411	0.071037091	0.000184286	5.693771362	0.001501544	0.010855165	0.000607695	0.00021532	9.59071E-05	0.129037276	2.0732E-06	6.74683E-05	0.00093952	0.001892716	8.06306E-19
2078 Aug	0.15452303	1.05834E-05	1.503154516	2.839392185	0.055464301	0.00022229	5.246389866	0.001389162	0.010609345	0.000470781	0.000172173	8.46144E-05	0.112834677	2.11669E-06	6.57611E-05	0.000718471	0.001731906	5.76987E-19
2078 Sep	0.13907516	1.06081E-05	1.436426163	2.600126505	0.045721371	0.000291512	5.0534935	0.001320715	0.010491121	0.000372425	0.000138997	7.79223E-05	0.104713149	2.12162E-06	6.76908E-05	0.000587531	0.001610827	4.37974E-19
2078 Oct	0.12848036	1.03791E-05	1.360291362	2.417427301	0.037713472	0.000352642	4.859713078	0.001241429	0.010632235	0.000294625	0.000112261	6.91707E-05	0.097555824	2.07583E-06	7.1434E-05	0.000500999	0.001487619	3.29996E-19
2078 Nov	0.126376569	1.03608E-05	1.346727848	2.381855249	0.035912339	0.000368657	4.83013916	0.001226686	0.010704066	0.000276873	0.000106202	6.73023E-05	0.096172556	2.07216E-06	7.25914E-05	0.000481866	0.001463151	3.05138E-19
2078 Dec	0.126381665	1.03655E-05	1.34702754	2.382063627	0.035880461	0.000369285	4.831741333	0.001226894	0.01071142	0.00027652	0.000106088	6.72843E-05	0.096182451	2.0731E-06	7.26598E-05	0.000481577	0.001463208	3.04605E-19
2079 Jan	0.126481071	1.03657E-05	1.34785223	2.384381533	0.035940748	0.000369417	4.8351264	0.001227427	0.010714066	0.000276675	0.000106093	6.72985E-05	0.096269727	2.07313E-06	7.26862E-05	0.000482145	0.001463096	3.04243E-19
2079 Feb	0.126637563	1.03657E-05	1.349089622	2.387881756	0.036043927	0.000369378	4.839901447	0.001228289	0.010716321	0.0002771	0.000106172	6.73388E-05	0.09640184	2.07314E-06	7.27044E-05	0.000483139	0.001463197	3.04054E-19
2079 Mar	0.126842633	1.03755E-05	1.351039648	2.392048597	0.036134306	0.000369705	4.847079277	0.00122992	0.010727675	0.000277594	0.000106316	6.74244E-05	0.096565031	2.0751E-06	7.2783E-05	0.000484139	0.001464634	3.04238E-19
2079 Apr	0.127581745	1.0432E-05	1.358778238	2.406158209	0.03636314	0.000371705	4.874948025	0.001236882	0.010786761	0.000279237	0.00010692	6.78039E-05	0.097131766	2.0864E-06	7.31847E-05	0.000487084	0.001472637	3.05835E-19
2079 May	0.135484889	1.06238E-05	1.42463696	2.568297863	0.04086205	0.00037036	5.109623432	0.001290903	0.011043842	0.000319378	0.00011543	7.23544E-05	0.103322893	2.12477E-06	7.47713E-05	0.000538544	0.001521022	3.09372E-19
2079 Jun	0.101351716	9.57767E-06	1.025951028	1.646920681	0.028052142	0.000128538	3.209583282	0.001073465	0.009041913	0.000219722	0.000210116	5.39114E-05	0.06656149	1.91553E-06	5.2649E-05	0.000577128	0.001921743	2.53835E-19
2079 Jul	0.094561093	1.00532E-05	0.968432724	1.432861924	0.020676304	0.000128093	2.984925032	0.001048705	0.009239594	0.000157895	0.000205783	4.89332E-05	0.058568481	2.01065E-06	5.24513E-05	0.000496587	0.0019571	1.0072E-19
2079 Aug	0.098810352	1.05827E-05	1.027433753	1.518029928	0.019988101	0.00016758	3.279922485	0.001088382	0.009669645	0.00015338	0.00018342	5.14228E-05	0.062398087	2.11655E-06	5.56555E-05	0.000439929	0.001890194	8.31266E-20
2079 Sep	0.095092908	1.02181E-05	1.06505692	1.628068566	0.016348798	0.000325285	3.669265032	0.001046622	0.010082398	0.000103986	0.00011544	4.80258E-05	0.067124434	2.04361E-06	6.59585E-05	0.000334427	0.001549502	4.5906E-20
2079 Oct	0.09437003	1.00022E-05	1.079395771	1.691029072	0.014481088	0.000406325	3.860019445	0.001021856	0.01043265	7.99187E-05	8.28233E-05	4.52211E-05	0.069424473	2.00045E-06	7.22089E-05	0.000291092	0.001382038	2.83434E-20
2079 Nov	0.094321802	9.94935E-06	1.087486744	1.718479037	0.013792417	0.000437905	3.941264868	0.001015197	0.010592714	7.08571E-05	7.0774E-05	4.42716E-05	0.070447966	1.98987E-06	7.47521E-05	0.000275327	0.001322945	2.18995E-20
2079 Dec	0.094320431	9.91849E-06	1.09334147	1.737463832	0.013326404	0.000459369	3.997416258	0.00101112	0.010705205	6.47115E-05	6.26864E-05	4.3646E-05	0.071158811	1.9837E-06	7.6497E-05	0.000264747	0.001283766	1.75955E-20
2080 Jan	0.094616644	9.91908E-06	1.095737934	1.744148374	0.013518203	0.000459388	4.006763935	0.001012775	0.010710134	6.55822E-05	6.28042E-05	4.37328E-05	0.071411908	1.98382E-06	7.65389E-05	0.000266553	0.001283858	1.7545E-20
2080 Feb	0.095025048	9.92086E-06	1.099002838	1.75314045	0.013784289	0.000459221	4.019134521	0.00101513	0.010716371	6.6833E-05	6.30525E-05	4.38602E-05	0.071752824	1.98417E-06	7.65827E-05	0.000269132	0.001284476	1.7522E-20
2080 Mar	0.095252335	9.92239E-06	1.100839019	1.758125663	0.013929656	0.000459156	4.026083946	0.001016468	0.010720366	6.75164E-05	6.31909E-05	4.39319E-05	0.071942121	1.98448E-06	7.66108E-05	0.000270549	0.001284885	1.75104E-20
2080 Apr	0.095730498	9.95984E-06	1.105923891	1.767392635	0.014062185	0.000460814	4.044811249	0.001020963	0.010762132	6.8147E-05	6.35013E-05	4.41339E-05	0.072313122	1.99197E-06	7.6909E-05	0.000272338	0.001289852	1.75686E-20
2080 May	0.099578574	1.01987E-05	1.143850803	1.842414141	0.015501158	0.000468766	4.181433678	0.001054342	0.011027851	7.98608E-05	6.69521E-05	4.61647E-05	0.075274058	2.03975E-06	7.87232E-05	0.000290671	0.001326962	1.7777E-20
2080 Jun	0.088727526	9.82595E-06	0.951179743	1.395070672	0.017011626	0.000195598	3.000040054	0.001009294	0.009374039	0.000114097	0.000182203	4.48213E-05	0.057286173	1.96519E-06	5.68425E-05	0.000451346	0.001844255	4.25828E-21
2080 Jul	0.088716611	1.00562E-05	0.921432018	1.302090764	0.01558405	0.00014673	2.865773678	0.001005499	0.009207715	0.000114369	0.000186223	4.46598E-05	0.053635769	2.01124E-06	5.24994E-05	0.000417931	0.001868415	8.20104E-22
2080 Aug	0.090935424	1.03616E-05	0.97642225	1.388773084	0.014626819	0.000201172	3.192200422	0.001025404	0.009393488	0.0001065	0.00014766	4.71789E-05	0.057771172	2.07231E-06	5.50051E-05	0.000328894	0.001700387	5.68881E-22

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.087026462	1.0185E-05	1.0304842	1.494180918	0.013006942	0.000321256	3.541991711	0.00101538	0.009502967	7.42613E-05	9.83095E-05	4.77602E-05	0.06297797	2.037E-06	6.15785E-05	0.000252209	0.00146651	3.28866E-22
2080 Oct	0.088847637	1.00006E-05	1.054525495	1.595577598	0.011981701	0.00040463	3.767266273	0.001000603	0.010080513	5.75508E-05	7.19549E-05	4.47484E-05	0.066398188	2.00012E-06	6.95231E-05	0.000236025	0.001332437	2.0381E-22
2080 Nov	0.090021484	9.94023E-06	1.069874406	1.651211977	0.011485768	0.000447952	3.892327309	0.000996259	0.010402772	4.91587E-05	5.88517E-05	4.33672E-05	0.068315305	1.98805E-06	7.374E-05	0.000228318	0.001268965	1.42154E-22
2080 Dec	0.090172112	9.94361E-06	1.071767926	1.656368375	0.011459269	0.000451338	3.904077053	0.000996714	0.010433342	4.86029E-05	5.79752E-05	4.33032E-05	0.068501748	1.98872E-06	7.40924E-05	0.000227943	0.001265475	1.37952E-22
2081 Jan	0.09040828	9.94578E-06	1.073715448	1.661601186	0.011602171	0.000451445	3.911636829	0.000998105	0.010439262	4.92575E-05	5.80803E-05	4.3373E-05	0.068700112	1.98916E-06	7.41401E-05	0.000229349	0.00126581	1.37697E-22
2081 Feb	0.09070348	9.94701E-06	1.076063752	1.668092132	0.011793869	0.000451331	3.920545816	0.000999798	0.010443933	5.01606E-05	5.82617E-05	4.34636E-05	0.068945803	1.9894E-06	7.41733E-05	0.000231223	0.001266265	1.37567E-22
2081 Mar	0.090903886	9.95194E-06	1.077809811	1.672358871	0.011903821	0.000451463	3.927100897	0.001001153	0.010450966	5.06762E-05	5.8386E-05	4.35319E-05	0.069109797	1.99039E-06	7.42233E-05	0.000232348	0.001267057	1.37554E-22
2081 Apr	0.091746241	1.00095E-05	1.086513519	1.689037323	0.012184721	0.000453886	3.959205866	0.001008693	0.010515186	5.1969E-05	5.89179E-05	4.38788E-05	0.069773905	2.0019E-06	7.46794E-05	0.00023575	0.001274718	1.38186E-22
2081 May	0.156649902	1.00612E-05	1.561248302	3.048198462	0.057432882	0.000334961	5.616334438	0.001379226	0.011012073	0.000467691	0.000139491	8.36457E-05	0.120709762	2.01224E-06	7.4999E-05	0.000729755	0.001541926	7.17751E-23
2081 Jun	0.177632242	9.73458E-06	1.665886641	3.418077946	0.075938009	0.000189671	5.813509464	0.001491789	0.010499286	0.000648102	0.000209379	9.82407E-05	0.133928269	1.94692E-06	6.68492E-05	0.000981624	0.001795885	7.80934E-24
2081 Jul	0.18071048	1.05906E-05	1.705687165	3.42164278	0.074326292	0.000197862	5.903594494	0.001552062	0.011194946	0.000632172	0.000224393	9.93869E-05	0.134410486	2.11812E-06	7.03722E-05	0.000989658	0.001957979	7.40364E-24
2081 Aug	0.185320303	1.13302E-05	1.774342537	3.504695654	0.074226394	0.00022772	6.152060986	0.001617482	0.011813495	0.000628019	0.000224566	0.000102477	0.138205335	2.26604E-06	7.45313E-05	0.000983849	0.002031995	7.27173E-24
2081 Sep	0.16060397	1.10951E-05	1.623127222	3.066163063	0.058656599	0.000300143	5.682692051	0.001476497	0.01139198	0.000480105	0.000175482	8.9744E-05	0.122355431	2.21901E-06	7.45229E-05	0.000776415	0.00181845	5.41021E-24
2081 Oct	0.148984537	1.08847E-05	1.535766602	2.847964525	0.050213233	0.000346796	5.436036587	0.001392533	0.011384382	0.000401108	0.000148993	8.11152E-05	0.113942929	2.17695E-06	7.64452E-05	0.000677023	0.001694613	4.42005E-24
2081 Nov	0.136131585	1.05769E-05	1.435328245	2.606168747	0.041406963	0.000389735	5.142386913	0.001296757	0.011272285	0.000319344	0.000121435	7.18424E-05	0.104582831	2.11538E-06	7.76435E-05	0.000572557	0.001556614	3.40345E-24
2081 Dec	0.134533077	1.05505E-05	1.423445582	2.576174736	0.040227063	0.000396457	5.109195232	0.001285307	0.011274813	0.000308283	0.000117728	7.06462E-05	0.103427805	2.11011E-06	7.79402E-05	0.000558691	0.001539601	3.26536E-24
2082 Jan	0.134698048	1.055E-05	1.424784064	2.580038786	0.040329844	0.000396637	5.114809513	0.001286136	0.011278173	0.000308474	0.000117704	7.06607E-05	0.103573196	2.11001E-06	7.79759E-05	0.000559569	0.001539144	3.25769E-24
2082 Feb	0.135015771	1.0552E-05	1.427352786	2.587046862	0.040531013	0.000396609	5.124667645	0.001287977	0.011284062	0.000309306	0.000117867	7.07474E-05	0.10383901	2.1104E-06	7.802E-05	0.0005615	0.00153955	3.25442E-24
2082 Mar	0.135284066	1.05605E-05	1.429759145	2.592688084	0.040669106	0.000396873	5.133653164	0.001289889	0.011295241	0.000309978	0.000118039	7.08445E-05	0.104057021	2.1121E-06	7.80991E-05	0.000562947	0.001540858	3.25494E-24
2082 Apr	0.135960206	1.06061E-05	1.436658502	2.605933428	0.04090536	0.000398557	5.158624649	0.001295964	0.011345249	0.00031156	0.000118593	7.11737E-05	0.104583777	2.12123E-06	7.84459E-05	0.00056595	0.001547556	3.2678E-24
2082 May	0.139030039	1.08322E-05	1.468546271	2.665117979	0.041895479	0.000406789	5.273130894	0.001324545	0.011588522	0.000319191	0.0001213	7.27846E-05	0.106949382	2.16644E-06	8.01219E-05	0.000579258	0.001581069	3.3325E-24
2082 Jun	0.09462031	9.7849E-06	0.992011726	1.51532948	0.022026602	0.0001679	3.115420341	0.001045255	0.009262982	0.000161018	0.000195441	4.93472E-05	0.061836611	1.95698E-06	5.5232E-05	0.000508661	0.001890225	6.93452E-25
2082 Jul	0.087713726	1.00448E-05	0.910580456	1.272794962	0.016153721	0.000125028	2.758722544	0.001009538	0.009121261	0.000117808	0.000203469	4.47895E-05	0.052475993	2.00895E-06	5.12969E-05	0.000453882	0.00195666	3.64139E-26
2082 Aug	0.090592094	1.05234E-05	0.982506812	1.378222108	0.015909115	0.000180054	3.092176437	0.001053758	0.009485389	0.000111161	0.000180008	4.82077E-05	0.057450823	2.10468E-06	5.51394E-05	0.00040375	0.00188819	3.04752E-26
2082 Sep	0.090731934	1.05618E-05	1.027621865	1.470039725	0.015023512	0.000256431	3.367152929	0.001059292	0.00976707	9.47798E-05	0.000148957	4.86854E-05	0.061511848	2.11236E-06	6.03232E-05	0.000356056	0.001750042	2.39584E-26
2082 Oct	0.089920633	9.95766E-06	1.045014858	1.594986677	0.012475572	0.000395384	3.701048136	0.001001172	0.010248378	6.13012E-05	8.65417E-05	4.34719E-05	0.065862782	1.99153E-06	7.05634E-05	0.000278231	0.001403481	1.14315E-26
2082 Nov	0.090407819	9.98564E-06	1.052078128	1.610783935	0.012415546	0.000404884	3.740075588	0.001004096	0.01033383	5.99162E-05	8.38367E-05	4.34593E-05	0.066473968	1.99713E-06	7.15082E-05	0.000275837	0.001393948	1.08602E-26
2082 Dec	0.090494379	9.99406E-06	1.053147435	1.61264205	0.012421768	0.000405597	3.744495153	0.001004948	0.010345051	5.98974E-05	8.37768E-05	4.349E-05	0.066548847	1.99881E-06	7.16015E-05	0.000275929	0.001394527	1.08427E-26
2083 Jan	0.090654686	9.99614E-06	1.054516077	1.61622417	0.012514856	0.000405748	3.749881268	0.001005919	0.010349767	6.03168E-05	8.38224E-05	4.35385E-05	0.066685364	1.99923E-06	7.16407E-05	0.000276813	0.001394702	1.08304E-26
2083 Feb	0.090889476	1.00015E-05	1.056548595	1.621243834	0.012645711	0.000405886	3.757528305	0.001007484	0.010357612	6.09303E-05	8.39649E-05	4.36178E-05	0.066878065	2.0003E-06	7.16967E-05	0.000278141	0.001395563	1.08286E-26
2083 Mar	0.091098711	1.00133E-05	1.058600307	1.625430703	0.012728469	0.000406323	3.765053272	0.001009237	0.010371124	6.13198E-05	8.41176E-05	4.37E-05	0.067042917	2.00266E-06	7.17911E-05	0.000279115	0.001397277	1.08373E-26
2083 Apr	0.091715753	1.00747E-05	1.065552354	1.63670063	0.012845426	0.00040879	3.789910316	0.001015748	0.010435451	6.18779E-05	8.4664E-05	4.39855E-05	0.067503266	2.01494E-06	7.2237E-05	0.000281196	0.001405883	1.09014E-26
2083 May	0.138456136	1.01507E-05	1.416457057	2.630398273	0.044918545	0.000340913	5.045535088	0.001283303	0.010876097	0.000356407	0.000134375	7.26671E-05	0.104879513	2.03013E-06	7.36697E-05	0.000620134	0.001562999	7.23102E-27
2083 Jun	0.155357629	9.55231E-06	1.471116543	2.899440289	0.062776417	0.000158581	5.013009071	0.001363546	0.00992809	0.000531812	0.000213162	8.54917E-05	0.11407695	1.91046E-06	6.14325E-05	0.000875449	0.001834057	2.47198E-28
2083 Jul	0.134601191	1.0094E-05	1.301249146	2.360717535	0.045913309	0.000157035	4.34473896	0.00126476	0.009954637	0.000384839	0.000204295	7.2204E-05	0.093824111	2.01879E-06	5.94568E-05	0.000706359	0.001879629	1.53176E-28
2083 Aug	0.118452393	1.03474E-05	1.188489437	1.997215033	0.031334639	0.000208421	4.089000225	0.001160122	0.00978222	0.000262817	0.000140696	6.24753E-05	0.080708116	2.06948E-06	5.8273E-05	0.000448629	0.001604747	8.28377E-29
2083 Sep	0.108616374	1.01521E-05	1.164332747	1.922389984	0.024113763	0.000329557	4.135921478	0.001101123	0.010156904	0.000180956	9.91476E-05	5.54711E-05	0.078240298	2.03042E-06	6.65544E-05	0.000358681	0.001425421	5.14816E-29
2083 Oct	0.099359907	9.81102E-06	1.12494421	1.844087362	0.016734255	0.000450452	4.14674139	0.001027157	0.010608735	9.95072E-05	5.77218E-05	4.6683E-05	0.075136431	1.9622E-06	7.55464E-05	0.000276696	0.001231466	2.10991E-29
2083 Nov	0.097717627	9.75712E-06	1.118384123	1.83042407	0.015372492	0.000472914	4.151124001	0.001014279	0.010699222	8.44778E-05	5.01414E-05	4.50958E-05	0.074598879	1.95142E-06	7.7243E-05	0.000261566	0.001196826	1.56749E-29
2083 Dec	0.097761519	9.76311E-06	1.119064331	1.83150351	0.015368111	0.000473472	4.153955936	0.001014822	0.010707378	8.43726E-05	5.00938E-05	4.51091E-05	0.074643098	1.95262E-06	7.73131E-05	0.000261578	0.001197259	1.56282E-29
2084 Jan	0.097940654	9.76437E-06	1.120537281	1.8354914	0.015481255	0.00047349	4.159594536	0.001015879	0.010711032	8.48724E-05	5.01889E-05	4.51621E-05	0.074794568	1.95287E-06	7.73418E-05	0.000262687	0.001197536	1.56029E-29
2084 Feb	0.098195605	9.76657E-06	1.122611523	1.841058254	0.015642511	0.000473427	4.167402744	0.001017408	0.010715914	8.56246E-05	5.03535E-05	4.52429E-05	0.075006217	1.95331E-06	7.73757E-05	0.000264278	0.001198096	1.55921E-29
2084 Mar	0.098441318	9.77849E-06	1.124966145	1.846090674	0.01574689	0.000473913	4.17620182	0.001019352	0.010730323	8.61254E-05	5.04978E-05	4.53363E-05	0.075203046	1.9557E-06	7.7479E-05	0.000265429	0.001199715	1.56034E-29
2084 Apr	0.099430323	9.86969E-06	1.136012912	1.864876628	0.015941741	0.000478282	4.217243195	0.001029255	0.010831157	8.71516E-05	5.10155E-05	4.57806E-05	0.075963721	1.97394E-06	7.82067E-05	0.000268371	0.001210994	1.57446E-29
2084 May	0.161276251	9.98441E-06	1.591548562	3.153417349	0.059808299	0.000347197	5.768364429	0.001393015	0.011182878	0.000491962	0.000135717	8.51974E-05	0.124440409	1.99688E-06	7.68817E-05	0.00075082	0.001508746	8.15157E-30
2084 Jun	0.164787114	9.50218E-06	1.549479008	3.12530303	0.068815991	0.000169169	5.346193314	0.001410404	0.010073586	0.000586065	0.000209662	9.08849E-05	0.122637317	1.90044E-06	6.31823E-05	0.000921397	0.001794116	4.20137E-31
2084 Jul	0.150811523	1.01635E-05	1.439958453	2.738741875	0.056240819	0.000169782	4.89016819	0.001359157	0.010311586	0.000475653	0.000209119	8.17302E-05	0.108216375	2.03271E-06	6.28544E-05	0.000805006	0.001884	3.09587E-31
2084 Aug	0.14242357	1.05221E-05	1.412246585	2.583660841	0.048999023	0.000215073	4.838900089	0.001332904	0.010388616	0.000407898	0.000181294	7.83575E-05	0.103197619	2.10443E-06	6.41539E-05	0.00068705	0.001799652	2.52642E-31
2084 Sep	0.123527557	1.03125E-05	1.318817019	2.298690796	0.037062246	0.000306606	4.606571198	0.001227769	0.010178398	0.000289259	0.000131117	6.8958E-05	0.093251504	2.06249E-06	6.66519E-05	0.000515218	0.001577982	1.68128E-31
2084 Oct	0.110702328	1.00047E-05	1.227828979	2.089981079	0.026178336	0.000409022	4.433441639	0.001121281	0.010538653	0.000183445	8.60333E-05	5.68124E-05	0.08492355	2.00094E-06	7.36205E-05	0.00038814	0.001366694	9.35941E-32
2084 Nov	0.107481413	9.94095E-06	1.205761552	2.037961006	0.023331532	0.000436831	4.394815445	0.001094975	0.010651849	0.000155653	7.42421E-05	5.36895E-05	0.082852319	1.98819E-06	7.55882E-05	0.000355045	0.001313166	7.41909E-32
2084 Dec	0.107533582	9.94831E-06	1.206498742	2.039047003	0.023319745	0.000437483	4.397949696	0.001095577	0.010661673	0.00015548	7.41755E-05	5.36993E-05	0.082896948	1.98966E-06	7.56704E-05	0.000354975	0.001313654	7.40443E-32
2085 Jan	0.107673272	9.94883E-06	1.207628369	2.042184591	0.023406969	0.000437535	4.4024086	0.001096354	0.010664591	0.000155818	7.42224E-05	5.37327E-05	0.083015457	1.98976E-06	7.56954E-05	0.000355804	0.00131369	7.3938E-32
2085 Feb	0.107890993	9.95099E-06	1.209408402	2.046931505	0.023541942	0.00043752	4.409153938	0.001097664	0.010669225	0.000156432	7.43526E-05	5.37995E-05	0.083195932	1.9902E-06	7.57285E-05	0.000357132	0.001314153	7.38971E-32
2085 Mar	0.108045541	9.95547E-06	1.210780501	2.050199986	0.023623388	0.000437657	4.414295197	0.001098743	0.010675291	0.000156819	7.44482E-05	5.38538E-05	0.083321974	1.99109E-06	7.57717E-05	0.000357975	0.001314841	7.38993E-32
2085 Apr	0.108637668	1.00044E-05	1.217210174	2.061627626	0.023780098	0.000439776	4.43781662	0.001104483	0.010728532	0.000157772	7.485E-05	5.41359E-05	0.083782531	2.00089E-06	7.61496E-05	0.000360126	0.001321365	7.42451E-32
2085 May	0.164454952	1.00352E-05	1.621868134	3.223745584	0.062851265	0.000329975	5.842594624	0.001422166	0.011102536	0.000519137	0.000145845	8.85861E-05	0.127304658	2.00704E-06	7.57354E-05	0.000786637	0.001556239	3.93418E-32
2085 Jun	0.186638445	9.94014E-06	1.747553825	3.61904192	0.080741704	0.000204195	6.135873795	0.001551032	0.010842011	0.00069025	0.000210797	0.000103326	0.141673818	1.98803E-06	6.96626E-05	0.001025723	0.001810246	6.36246E-33
2085 Jul	0.178341419	1.05428E-05	1.682095051	3.36501193	0.071713746	0.00020935	5.88035202	0.00152365	0.011121173	0.000613253	0.00020495	9.73556E-05	0.132255018	2.10855E-06	6.9936E-05	0.000927984	0.001854778	5.37674E-33
2085 Aug	0.145023957	1.04358E-05	1.469629645	2.7232728	0.050599299	0.000268375	5.170712471	0.001343703	0.010360891	0.00041925	0.000146285	8.1568E-05	0.109169394	2.08716E-06	6.6275E-05	0.000636627	0.001612845	3.39628E-33
2085 Sep	0.114210688	1.0036E-05	1.276562929	2.195346594	0.029887656	0.000399575	4.611537933	0.001154107	0.010272814	0.000217344	8.20047E-05	6.22245E-05	0.089569271	2.00719E-06	7.14188E-05	0.000393096	0.001336004	1.52907E-33
2085 Oct	0.105424292	9.83159E-06	1.203426719	2.031635761	0.022290746	0.000458881	4.431977749	0.001079319	0.010555808	0.000144554	5.86418E-05	5.31706E-05	0.082854763	1.96632E-06	7.59849E-05	0.000319997	0.00122929	8.70109E-34
2085 Nov	0.102281131	9.75689E-06	1.177228928	1.97301805	0.019604189	0.000479525	4.366931438	0.001052628	0.010650547	0.000118842	5.04001E-05	4.99703E-05	0.080454305	1.95138E-06	7.75529E-05	0.000294037	0.001191375	6.41603E-34
2085 Dec	0.102298774	9.76102E-06	1.177540421	1.973379612	0.019585105	0.000479989	4.368432045	0.001052872	0.010656931	0.000118625	5.03368E-05	4.99611E-05	0.080468968	1.9522E-06	7.76088E-05	0.000293904	0.001191569	6.395E-34
2086 Jan	0.102480441	9.76212E-06	1.178993821	1.977370143	0.019698666	0.00047999	4.374022484	0.001053914	0.010660674	0.000119104	5.04345E-05	5.00092E-05	0.080619715	1.95242E-06	7.76374E-05	0.000295026	0.001191833	6.38386E-34
2086 Feb	0.102732748	9.76321E-06	1.180989981	1.982885361	0.019862918	0.000479862	4.381552696	0.001055364	0.010664522	0.000119859	5.05999E-05	5.00848E-05	0.080828443	1.95264E-06	7.76634E-05	0.000296639	0.001192271	6.37843E-34
2086 Mar	0.102924541	9.76897E-06	1.182701826	1.98693943	0.019962968	0.000480046	4.387971401	0.001056712	0.010672247	0.000120334	5.07168E-05	5.01525E-05	0.080984913	1.95379E-06	7.77185E-05	0.000297675	0.00119314	6.37884E-34
2086 Apr	0.103692025	9.83467E-06	1.191238761	2.00195694	0.020147858	0.000483218	4.419683456	0.001064236	0.010744857	0.000121374	5.11079E-05	5.05117E-05	0.081591994	1.96693E-06	7.82466E-05	0.000300171	0.00120126	6.41983E-34
2086 May	0.126777872	1.00306E-05	1.364015102	2.473012209	0.035507008	0.000443103	5.012049675	0.001205211	0.01104998	0.000262815	8.20611E-05	6.46466E-05	0.099333383	2.00611E-06	7.89803E-05	0.000472366	0.001326909	5.40275E-34
2086 Jun	0.129747167	9.62722E-06	1.2648592	2.309247494	0.045852114	0.000154082	4.18491745	0.001228645	0.009600429	0.000378678	0.000209176	7.03288E-05	0.091743857	1.92544E-06	5.81939E-05	0.000727771	0.001871488	2.68927E-35
2086 Jul	0.113416098	1.03527E-05	1.134022951	1.856577635	0.031579364	0.000148004	3.630236149	0.001167879	0.009822353	0.000253604	0.000211793	5.97736E-05	0.074809	2.07054E-06	5.7277E-05	0.000600801	0.001987329	1.24591E-35
2086 Aug	0.108699158	1.05676E-05	1.138742566	1.806431651	0.026600312	0.000208234	3.772674084	0.001147548	0.009830087	0.000208419	0.000166239	5.86957E-05	0.073860273	2.11351E-06	5.88272E-05	0.000466646	0.001788835	8.80162E-36
2086 Sep	0.095752329	1.01901E-05	1.12732482	1.745903492	0.019196929	0.000352671	3.932922602	0.001073913	0.0097354	0.000123296	9.53453E-05	5.38782E-05	0.072856441	2.03801E-06	6.5051E-05	0.000307889	0.001444969	4.21383E-36
2086 Oct	0.095890939	1.01203E-05	1.130363584	1.77458179	0.017398378	0.000404147	4.029570103	0.001058116	0.010135641	0.000103387	7.85798E-05	5.091E-05	0.073609367	2.02406E-06	7.0067E-05	0.000287435	0.001365711	3.13942E-36
2086 Nov	0.096278153	1.01592E-05	1.134967566	1.782393694	0.017423009	0.000407046	4.048110008	0.001061965	0.010186207	0.000103303	7.84783E-05	5.10402E-05	0.073922671	2.03184E-06	7.04724E-05	0.000288074	0.001369221	3.12547E-36
2086 Dec	0.096333884	1.01646E-05	1.13563323	1.78356719	0.017423062	0.00040756	4.050951481	0.001062486	0.010194222	0.000103252	7.84316E-05	5.10532E-05	0.073968984	2.03292E-06	7.05401E-05	0.000288126	0.001369573	3.12143E-36
2087 Jan	0.096447445	1.01656E-05	1.136561155	1.786092639	0.017489577	0.000407656	4.054644108	0.001063131	0.010197461	0.000103539	7.84657E-05	5.10823E-05	0.074064203	2.03311E-06	7.05676E-05	0.000288778	0.001369651	3.1186E-36
2087 Feb	0.096626572	1.01697E-05	1.138112187	1.789916873	0.017588831	0.000407767	4.060482025	0.001064327	0.010203556	0.000104006	7.85744E-05	5.11427E-05	0.074210979	2.03394E-06	7.06112E-05	0.00028979	0.001370318	3.11826E-36
2087 Mar	0.096843109	1.01845E-05	1.140357137	1.794204712	0.017664691	0.000408328	4.068657875	0.001066288	0.010219412	0.000104389	7.87303E-05	5.12385E-05	0.074382313	2.03689E-06	7.07217E-05	0.000290698	0.001372364	3.1219E-36
2087 Apr	0.097217046	1.02192E-05	1.144586086	1.801290274	0.017753676	0.000409703	4.083841324	0.001070162	0.010254875	0.000104877	7.90228E-05	5.14256E-05	0.074672386	2.04384E-06	7.09675E-05	0.000291968	0.001377079	3.13205E-36
2087 May	0.13024047	1.02021E-05	1.382296801	2.493915796	0.040294897	0.000358702	4.934071064	0.00125157	0.010591621	0.000312528	0.000116409	7.07246E-05	0.100467511	2.04042E-06	7.2148E-05	0.000538909	0.001492668	2.34393E-36
2087 Jun	0.169652492	9.88562E-06	1.605354428	3.225917339	0.070402637	0.000185974	5.551663399	0.001458502	0.010454719	0.000598055	0.000211759	9.38483E-05	0.126762629	1.97712E-06	6.59212E-05	0.000937391	0.001838969	2.21795E-37
2087 Jul	0.151671678	1.03442E-05	1.452626467	2.749418497	0.05506542	0.000187147	4.988174438	0.001363602	0.010449109	0.000467601	0.00019426	8.18666E-05	0.108809665	2.06884E-06	6.38392E-05	0.000762545	0.001823717	1.56501E-37

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.149471745	1.08749E-05	1.456336021	2.681025743	0.050675683	0.000214832	5.029788017	0.001372646	0.010777778	0.000428663	0.000180316	8.06432E-05	0.106743738	2.17497E-06	6.58448E-05	0.000691926	0.001812675	1.36866E-37
2087 Sep	0.141398787	1.0924E-05	1.425115108	2.567611933	0.044130828	0.000284161	4.988862991	0.0013313	0.011020564	0.000361507	0.000153859	7.52808E-05	0.102784894	2.18481E-06	7.02586E-05	0.00060983	0.001715642	1.11958E-37
2087 Oct	0.130176246	1.06354E-05	1.351970077	2.391055107	0.036377054	0.00034822	4.811876297	0.001249917	0.011049096	0.00028505	0.000123345	6.71129E-05	0.096041463	2.12708E-06	7.35009E-05	0.000516597	0.001568267	8.4361E-38
2087 Nov	0.125782743	1.05254E-05	1.323525548	2.322033405	0.033320043	0.000373707	4.74361515	0.001218184	0.011064714	0.000254881	0.000111315	6.39047E-05	0.093407147	2.10508E-06	7.48124E-05	0.000479872	0.001510561	7.34995E-38
2087 Dec	0.125779137	1.05296E-05	1.323795199	2.322175264	0.033286344	0.000374363	4.745163441	0.001218336	0.011071349	0.000254506	0.000111171	6.3886E-05	0.093415305	2.10592E-06	7.48781E-05	0.000479513	0.001510433	7.33538E-38
2088 Jan	0.12590611	1.0531E-05	1.324912071	2.325111628	0.033360161	0.000374555	4.749643803	0.0012191	0.011075334	0.000254733	0.000111185	6.39143E-05	0.093527384	2.1062E-06	7.49146E-05	0.000480202	0.001510455	7.32683E-38
2088 Feb	0.126092747	1.0532E-05	1.326433539	2.329268694	0.033479717	0.000374546	4.755476952	0.001220184	0.011078702	0.000255243	0.000111281	6.39675E-05	0.09368521	2.1064E-06	7.49408E-05	0.000481354	0.001510686	7.32249E-38
2088 Mar	0.126376152	1.05478E-05	1.329174638	2.334889174	0.033592988	0.000375082	4.765510082	0.001222534	0.011096525	0.000255888	0.000111493	6.40887E-05	0.093906172	2.10955E-06	7.50632E-05	0.000482674	0.001512991	7.33075E-38
2088 Apr	0.128144473	1.06844E-05	1.347440004	2.368094683	0.034115791	0.000379906	4.831283092	0.001239097	0.011241973	0.000259568	0.000113002	6.49542E-05	0.095234588	2.13687E-06	7.60497E-05	0.000489759	0.00153265	7.42184E-38
2088 May	0.13672021	1.09654E-05	1.424005032	2.546615839	0.038520921	0.000387249	5.114379883	0.001300768	0.011601436	0.000284892	0.000119226	6.84585E-05	0.102132432	2.19307E-06	7.85323E-05	0.000536981	0.001578945	7.4259E-38
2088 Jun	0.100306436	9.94574E-06	1.03242135	1.614771843	0.025087358	0.000157158	3.250309944	0.001082677	0.009424009	0.000188443	0.000203892	5.22403E-05	0.065562591	1.98915E-06	5.56612E-05	0.000544797	0.001936136	1.17429E-38
2088 Jul	0.098231122	1.05821E-05	1.017482996	1.497123003	0.021537261	0.000140457	3.106326103	0.001105516	0.009780802	0.000158451	0.000223774	5.09127E-05	0.061270751	2.11642E-06	5.61254E-05	0.000541854	0.002105108	5.00824E-39
2088 Aug	0.104545772	1.13899E-05	1.105947375	1.62300849	0.022239534	0.000177387	3.438551664	0.001184127	0.010473168	0.000161002	0.000221605	5.51969E-05	0.066808663	2.27797E-06	6.09866E-05	0.000537786	0.002171878	4.84289E-39
2088 Sep	0.103975929	1.14227E-05	1.13201046	1.669951797	0.021187684	0.000228361	3.611547709	0.001184164	0.010622608	0.000146619	0.000198368	5.53642E-05	0.069037437	2.28455E-06	6.40957E-05	0.000495105	0.002067775	4.23052E-39
2088 Oct	0.097665183	1.04667E-05	1.105932355	1.70942831	0.016225208	0.000374259	3.839038134	0.001075161	0.010700061	9.36284E-05	0.000115854	4.77091E-05	0.070215896	2.09333E-06	7.22008E-05	0.00035828	0.001590207	2.1622E-39
2088 Nov	0.096921965	1.03312E-05	1.107025981	1.727479815	0.015277661	0.000406851	3.908857346	0.001058886	0.01078051	8.3052E-05	9.93946E-05	4.63938E-05	0.07086695	2.06624E-06	7.43193E-05	0.000331874	0.001500554	1.74742E-39
2088 Dec	0.096991397	1.0338E-05	1.107926965	1.729066014	0.015279202	0.000407542	3.912774801	0.001059555	0.010790079	8.29991E-05	9.92905E-05	4.64163E-05	0.070931025	2.0676E-06	7.44027E-05	0.000331845	0.00150076	1.74462E-39
2089 Jan	0.097147308	1.0339E-05	1.109238029	1.732619643	0.015373937	0.000407672	3.918029308	0.001060445	0.010793758	8.34174E-05	9.9312E-05	4.64615E-05	0.071066141	2.0678E-06	7.44356E-05	0.000332694	0.001500699	1.74181E-39
2089 Feb	0.09736608	1.03415E-05	1.111051679	1.737405896	0.015507658	0.000407696	3.924938917	0.001061777	0.010798758	8.40416E-05	9.94299E-05	4.65314E-05	0.071248524	2.0683E-06	7.44722E-05	0.000333992	0.001501139	1.74181E-39
2089 Mar	0.097650535	1.03604E-05	1.113925457	1.742962718	0.015606854	0.000408401	3.935364962	0.001064304	0.010819808	8.45245E-05	9.96629E-05	4.66485E-05	0.07146883	2.07208E-06	7.46185E-05	0.000335267	0.001503927	1.74462E-39
2089 Apr	0.098524138	1.0445E-05	1.123625398	1.758898854	0.015784919	0.000411708	3.969829082	0.001073416	0.010909113	8.54499E-05	0.000100513	4.70523E-05	0.072116867	2.08901E-06	7.52352E-05	0.000338479	0.001516241	1.75723E-39
2089 May	0.14023529	1.03659E-05	1.433727622	2.654813766	0.045092814	0.000346387	5.090481758	0.001304475	0.011145353	0.00035491	0.000141639	7.29333E-05	0.105794467	2.07319E-06	7.54742E-05	0.000638702	0.001622464	1.11964E-39
2089 Jun	0.182571873	1.0039E-05	1.711851478	3.508910894	0.077928312	0.000194156	5.967050552	0.001535216	0.010825794	0.000664974	0.000217205	0.000100879	0.137478352	2.0078E-06	6.88678E-05	0.00101202	0.001859877	0
2089 Jul	0.164951608	1.05089E-05	1.563251972	3.041585684	0.062742911	0.000197007	5.423563957	0.001442563	0.010828929	0.000536005	0.000198448	8.91649E-05	0.119903602	2.10178E-06	6.6883E-05	0.000835588	0.001838623	0
2089 Aug	0.153603956	1.09217E-05	1.481741548	2.755428791	0.051986452	0.000221038	5.176361561	0.001384822	0.010889864	0.000444536	0.000170076	8.20283E-05	0.10947071	2.18434E-06	6.65072E-05	0.000680179	0.001753795	0
2089 Sep	0.138680294	1.07364E-05	1.40132153	2.52733779	0.041851573	0.000306482	4.972432613	0.001296591	0.0109622	0.00034206	0.000134053	7.26822E-05	0.101149738	2.14728E-06	7.08401E-05	0.000560406	0.001602305	0
2089 Oct	0.111699343	1.00187E-05	1.221283793	2.094050646	0.024167256	0.000439846	4.487681389	0.001105798	0.010911272	0.000167103	7.18761E-05	5.37773E-05	0.084585682	2.00374E-06	7.71287E-05	0.000360457	0.001299575	0
2089 Nov	0.109953746	1.00164E-05	1.21258986	2.067831755	0.022716474	0.000454625	4.471721172	0.001095427	0.010974533	0.000152311	6.66971E-05	5.24022E-05	0.083611771	2.00329E-06	7.81754E-05	0.000344576	0.001280287	0
2089 Dec	0.110019505	1.00251E-05	1.213498235	2.069182634	0.022711137	0.000455279	4.475349426	0.001096204	0.010985216	0.000152188	6.66655E-05	5.24242E-05	0.083667889	2.00503E-06	7.82618E-05	0.000344601	0.001281071	0
2090 Jan	0.110177509	1.00289E-05	1.214901209	2.072627544	0.022796964	0.000455456	4.48071909	0.001097263	0.01099111	0.000152541	6.67391E-05	5.24727E-05	0.083800301	2.00578E-06	7.83072E-05	0.000345466	0.001281575	0
2090 Feb	0.110398091	1.00333E-05	1.216790557	2.077364206	0.022923172	0.00045555	4.487822533	0.001098707	0.010997874	0.000153126	6.68756E-05	5.2546E-05	0.083981834	2.00667E-06	7.83553E-05	0.000346741	0.00128233	0
2090 Mar	0.110647053	1.00474E-05	1.219238758	2.082368612	0.023018762	0.000456131	4.496925831	0.001100775	0.011014371	0.000153624	6.7028E-05	5.26471E-05	0.084178716	2.00949E-06	7.84728E-05	0.00034784	0.001284235	0
2090 Apr	0.111246862	1.0097E-05	1.225678802	2.093840122	0.023168676	0.000458349	4.520721436	0.001106508	0.011069327	0.000154544	6.73922E-05	5.29226E-05	0.084639333	2.0194E-06	7.88643E-05	0.000349908	0.001290631	0
2090 May	0.121601664	1.02443E-05	1.307662368	2.307665586	0.029790176	0.000446134	4.805138111	0.001173384	0.011266999	0.000214684	8.03062E-05	5.92847E-05	0.092764355	2.04886E-06	7.97561E-05	0.000423936	0.001349634	0
2090 Jun	0.132386327	9.6915E-06	1.286192536	2.362684965	0.047178309	0.000155878	4.267418861	0.001245188	0.009704161	0.000390689	0.000210523	7.16491E-05	0.093763366	1.9383E-06	5.89081E-05	0.000741377	0.001880251	0
2090 Jul	0.118697733	1.03296E-05	1.177685618	1.982058406	0.035176694	0.000150597	3.801064968	0.001196708	0.009910908	0.000285156	0.00021409	6.28561E-05	0.079544134	2.06592E-06	5.82425E-05	0.00063713	0.001987793	0
2090 Aug	0.096280456	1.01446E-05	1.128599763	1.74204576	0.0221134	0.000297273	3.857076645	0.001088913	0.009221721	0.000153553	0.000111149	5.76411E-05	0.073041365	2.02892E-06	5.93455E-05	0.000334818	0.001504865	0
2090 Sep	0.09183801	9.89105E-06	1.114540696	1.737446904	0.016498424	0.000413378	3.991720676	0.001033295	0.009800439	9.29862E-05	6.64562E-05	5.05399E-05	0.072557375	1.97821E-06	6.85994E-05	0.000255828	0.001288786	0
2090 Oct	0.092551157	9.69965E-06	1.105283499	1.776494384	0.012763037	0.000505138	4.122355461	0.00099387	0.010646363	5.43788E-05	3.83398E-05	4.33708E-05	0.07297264	1.93993E-06	7.84919E-05	0.000226655	0.001149896	0
2090 Nov	0.092208907	9.64254E-06	1.099698901	1.77288425	0.012234331	0.000513996	4.120588303	0.000985318	0.010702843	4.92454E-05	3.48402E-05	4.23535E-05	0.072697408	1.92851E-06	7.93334E-05	0.000221769	0.001129297	0
2090 Dec	0.092290878	9.6509E-06	1.100661039	1.774496555	0.01223914	0.000514586	4.124425888	0.000986137	0.010713564	4.92269E-05	3.48298E-05	4.23807E-05	0.072762027	1.93018E-06	7.94181E-05	0.000221914	0.001130105	0
2091 Jan	0.092491351	9.65307E-06	1.102294683	1.778841257	0.012361865	0.00051458	4.130613804	0.000987346	0.010718114	4.97997E-05	3.49529E-05	4.24428E-05	0.072927028	1.93061E-06	7.94504E-05	0.000223136	0.00113057	0
2091 Feb	0.092745058	9.65436E-06	1.104305387	1.784367919	0.012527036	0.000514436	4.138161659	0.000988819	0.010721945	5.05833E-05	3.51262E-05	4.25224E-05	0.073136419	1.93087E-06	7.94752E-05	0.000224759	0.001131061	0
2091 Mar	0.09309952	9.67749E-06	1.107972264	1.791541576	0.012646683	0.000515552	4.151908875	0.000991922	0.010748943	5.11304E-05	3.53028E-05	4.26647E-05	0.073421046	1.9355E-06	7.96733E-05	0.000226171	0.001133957	0
2091 Apr	0.094061412	9.76957E-06	1.119101882	1.810254693	0.012818531	0.00052039	4.193618774	0.001001783	0.010851977	5.18616E-05	3.56918E-05	4.3094E-05	0.074182555	1.95391E-06	8.04359E-05	0.000228825	0.001144854	0
2091 May	0.120843835	9.98628E-06	1.319088817	2.355758667	0.030846674	0.000469458	4.874690056	0.001165639	0.011156373	0.000218304	7.22721E-05	5.9771E-05	0.094753906	1.99726E-06	8.07734E-05	0.000429233	0.001291551	0
2091 Jun	0.165280059	9.79805E-06	1.565912485	3.129587889	0.067713059	0.000186119	5.404296398	0.001428623	0.010369045	0.000573802	0.000209797	9.08831E-05	0.122994304	1.95961E-06	6.53963E-05	0.000914625	0.001829013	0
2091 Jul	0.159823149	1.0645E-05	1.532947779	2.931607008	0.06055842	0.000187506	5.20487833	0.001440697	0.010899249	0.000509013	0.000223131	8.69778E-05	0.115808651	2.12899E-06	6.72333E-05	0.000871373	0.001996182	0
2091 Aug	0.129790559	1.04881E-05	1.367551208	2.409722567	0.041898776	0.00027167	4.720983505	0.00128009	0.010140703	0.000334558	0.000150574	7.42781E-05	0.097637057	2.09762E-06	6.48429E-05	0.000575795	0.001675518	0
2091 Sep	0.106632553	1.02476E-05	1.253785491	2.056325197	0.027729739	0.000372376	4.422332764	0.0011552	0.009774211	0.000194336	9.1718E-05	6.36194E-05	0.085405976	2.04952E-06	6.66319E-05	0.000366944	0.00141542	0
2091 Oct	0.100372367	9.91618E-06	1.183734775	1.93799758	0.020770362	0.00044201	4.298895836	0.001074321	0.010226635	0.000128937	6.37338E-05	5.3603E-05	0.079924166	1.98324E-06	7.29428E-05	0.000301773	0.001269636	0
2091 Nov	0.097258121	9.77277E-06	1.149486542	1.879289508	0.016993484	0.000481995	4.246317387	0.001033796	0.010512482	9.31899E-05	4.8544E-05	4.82895E-05	0.077180676	1.95455E-06	7.66755E-05	0.000266666	0.001194282	0
2091 Dec	0.097272046	9.78065E-06	1.149761081	1.87961328	0.016876636	0.000484106	4.250033379	0.001033689	0.010536963	9.19934E-05	4.80504E-05	4.8159E-05	0.077182129	1.95613E-06	7.69144E-05	0.000265719	0.001193118	0
2092 Jan	0.097493872	9.78253E-06	1.151539326	1.88443923	0.017011449	0.000484135	4.256885052	0.001034976	0.010542161	9.25873E-05	4.81681E-05	4.82197E-05	0.0773644	1.95651E-06	7.69536E-05	0.00026706	0.001193494	0
2092 Feb	0.097810559	9.78615E-06	1.154127002	1.8912884	0.017205797	0.000484104	4.266638756	0.001036904	0.010549234	9.34945E-05	4.83707E-05	4.83193E-05	0.07762485	1.95723E-06	7.70026E-05	0.000268994	0.001194283	0
2092 Mar	0.098238304	9.81368E-06	1.15854919	1.899954081	0.017356439	0.000485352	4.283089161	0.001040661	0.010580642	9.42322E-05	4.86073E-05	4.84997E-05	0.077969275	1.96274E-06	7.72305E-05	0.000270748	0.001197833	0
2092 Apr	0.099097587	9.89096E-06	1.168332696	1.916794062	0.017550534	0.00048911	4.319314957	0.001049327	0.010664931	9.52408E-05	4.90465E-05	4.89066E-05	0.078654058	1.97819E-06	7.7845E-05	0.000273441	0.001207371	0
2092 May	0.128856987	1.00608E-05	1.385861635	2.523225546	0.037606411	0.000433163	5.067098618	0.001225392	0.010995829	0.000280829	8.87567E-05	6.69814E-05	0.101396739	2.01216E-06	7.83152E-05	0.000497322	0.001358641	0
2092 Jun	0.137127876	9.41638E-06	1.319074988	2.489428759	0.051636782	0.000148582	4.411323071	0.001258164	0.009522495	0.000431888	0.000208898	7.49527E-05	0.098475136	1.88328E-06	5.80209E-05	0.000774826	0.001831913	0
2092 Jul	0.112410396	9.96585E-06	1.116782069	1.858409643	0.032532182	0.000140606	3.592585564	0.001141658	0.009487458	0.000263807	0.000205092	5.94975E-05	0.074707992	1.99317E-06	5.5348E-05	0.000597112	0.001912199	0
2092 Aug	0.113935582	1.05266E-05	1.173363328	1.915427923	0.031252351	0.000186605	3.835800886	0.001183874	0.009901384	0.000247633	0.000190258	6.18171E-05	0.077756815	2.10532E-06	5.90365E-05	0.000554626	0.001898777	0
2092 Sep	0.106697768	1.04453E-05	1.171159983	1.874676704	0.026369184	0.00027258	3.949203014	0.001147251	0.00992411	0.000193965	0.00014716	5.9147E-05	0.07705728	2.08907E-06	6.28957E-05	0.000450194	0.001701752	0
2092 Oct	0.103679836	1.02531E-05	1.157719016	1.863576412	0.022812292	0.00034069	4.020657539	0.001108027	0.010212021	0.000157066	0.00011742	5.47068E-05	0.076440804	2.05061E-06	6.7963E-05	0.000393979	0.001552083	0
2092 Nov	0.103088424	1.02214E-05	1.156141043	1.863575459	0.021965019	0.000358039	4.044332504	0.001100019	0.010298795	0.000148159	0.000110253	5.36914E-05	0.076401494	2.04429E-06	6.93186E-05	0.000380662	0.001517512	0
2092 Dec	0.10316693	1.023E-05	1.157158256	1.865282178	0.021962242	0.000358835	4.048677444	0.001100812	0.010310582	0.000148054	0.000110161	5.37132E-05	0.076470412	2.04599E-06	6.94187E-05	0.000380651	0.001517973	0
2093 Jan	0.103302814	1.02307E-05	1.158295631	1.868400574	0.02204277	0.000359001	4.053323269	0.001101566	0.010314255	0.000148373	0.000110165	5.37463E-05	0.076588407	2.04615E-06	6.94531E-05	0.00038138	0.00151785	0
2093 Feb	0.103511222	1.02339E-05	1.160048962	1.872929931	0.022165649	0.000359074	4.059997082	0.00110287	0.010319917	0.000148939	0.000110278	5.38126E-05	0.076761298	2.04678E-06	6.94947E-05	0.000382593	0.00151837	0
2093 Mar	0.104034998	1.02761E-05	1.165599704	1.88282299	0.022320714	0.000360534	4.07971859	0.001107949	0.010363848	0.000149838	0.000110776	5.40618E-05	0.077159762	2.05522E-06	6.97924E-05	0.000384772	0.001524662	0
2093 Apr	0.104966074	1.03626E-05	1.175848126	1.899912119	0.022545094	0.000363556	4.115758419	0.001117576	0.010451845	0.000151263	0.000111734	5.45325E-05	0.077856079	2.07252E-06	7.03861E-05	0.000388355	0.001537509	0
2093 May	0.134881601	1.04296E-05	1.40154314	2.538744211	0.04253203	0.000331131	4.940284729	0.001286867	0.010835295	0.0003342	0.000140054	7.22623E-05	0.101839215	2.08592E-06	7.24056E-05	0.000598919	0.001624857	0
2093 Jun	0.15691708	9.70698E-06	1.490605831	2.931482077	0.063107185	0.000166496	5.086047173	0.001380455	0.010083035	0.000533789	0.000213351	8.63998E-05	0.115416147	1.9414E-06	6.2578E-05	0.0008785	0.001849808	0
2093 Jul	0.143170267	1.03259E-05	1.380254388	2.5496943	0.050541513	0.00016834	4.645269871	0.001324786	0.010287562	0.000424832	0.000208177	7.72103E-05	0.101146474	2.06518E-06	6.20435E-05	0.000752465	0.001909849	0
2093 Aug	0.138383463	1.07398E-05	1.369278908	2.447079063	0.044920597	0.000204923	4.657436371	0.001314384	0.010474261	0.000374408	0.00018442	7.50042E-05	0.09790694	2.14796E-06	6.35705E-05	0.000653674	0.001842162	0
2093 Sep	0.126148731	1.05536E-05	1.311049342	2.281983137	0.036038335	0.000298714	4.569287777	0.00123615	0.010603104	0.00028429	0.000141471	6.69633E-05	0.09198942	2.11071E-06	6.85679E-05	0.000531039	0.001649698	0
2093 Oct	0.105098881	9.86041E-06	1.173481464	1.973013878	0.020973461	0.000443792	4.297030926	0.001068034	0.010730053	0.00013547	7.0476E-05	5.04039E-05	0.080024257	1.97208E-06	7.63969E-05	0.000337188	0.00129235	0
2093 Nov	0.101023138	9.801E-06	1.152188063	1.917332888	0.017450206	0.00048443	4.275875092	0.00103825	0.010880312	9.99204E-05	5.37558E-05	4.68526E-05	0.077910811	1.9602E-06	7.91653E-05	0.000292717	0.001218882	0
2093 Dec	0.101100154	9.81108E-06	1.153259993	1.918956995	0.017441778	0.00048526	4.280292511	0.001039136	0.010893138	9.9754E-05	5.3686E-05	4.68756E-05	0.077977985	1.96222E-06	7.92713E-05	0.000292689	0.001219632	0
2094 Jan	0.101303361	9.81388E-06	1.154971838	1.923411489	0.017562952	0.000485337	4.28683567	0.001040397	0.010898473	0.000100286	5.37898E-05	4.69376E-05	0.07814797	1.96278E-06	7.93116E-05	0.000293877	0.001220078	0
2094 Feb	0.101569705	9.81603E-06	1.157129765	1.929223776	0.017732153	0.000485257	4.294962883	0.001041984	0.010903356	0.000101073	5.39604E-05	4.70215E-05	0.078368872	1.96321E-06	7.93451E-05	0.000295537	0.001220635	0
2094 Mar	0.101919383	9.83695E-06	1.160634995	1.936276793	0.017860187	0.000486189	4.308037758	0.001044946	0.010927949	0.000101705	5.4162E-05	4.71618E-05	0.078647085	1.96739E-06	7.95229E-05	0.000297037	0.001223394	0
2094 Apr	0.102580942	9.89343E-06	1.16789484	1.949080348	0.018014463	0.000488923	4.335021496	0.001051372	0.010991472	0.000102529	5.45227E-05	4.74556E-05	0.079162389	1.97869E-06	7.99845E-05	0.000299242	0.001230509	0
2094 May	0.142850667	9.92109E-06	1.460378289	2.783829212	0.046853103	0.000395789	5.327582359	0.001285201	0.011133944	0.000370007	0.000110029	7.32991E-05	0.11053659	1.98422E-06	7.82387E-05	0.00061315	0.001418668	0
2094 Jun	0.186005175	1.00564E-05	1.743634343	3.594790936	0.079771399	0.000206161	6.110320568	0.0015532	0.0109478	0.000680989	0.000213373	0.000102652	0.140762091	2.01127E-06	7.02471E-05	0.001023248	0.001837831	0

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.179993749	1.08636E-05	1.702873111	3.38209343	0.071847193	0.000210882	5.912834644	0.001553942	0.011426172	0.000611657	0.000217834	9.81507E-05	0.133002341	2.17272E-06	7.17107E-05	0.000954555	0.001954296	0
2094 Aug	0.184386104	1.17048E-05	1.766456604	3.442451954	0.070745841	0.000240641	6.149147987	0.001618231	0.012111525	0.000600356	0.000215963	0.000100644	0.135918096	2.34096E-06	7.59594E-05	0.000933755	0.002026999	0
2094 Sep	0.155922279	1.11645E-05	1.570870519	2.937517881	0.052154057	0.000340307	5.573441982	0.001428655	0.011796323	0.000423571	0.000155903	8.26902E-05	0.116951264	2.2329E-06	7.83086E-05	0.000704576	0.001742273	0
2094 Oct	0.127594814	1.04181E-05	1.358197212	2.425527573	0.034008209	0.000429336	4.940770626	0.0012233	0.011392321	0.000253007	9.76841E-05	6.37269E-05	0.097325243	2.08361E-06	7.99379E-05	0.000486207	0.001443437	0
2094 Nov	0.110053428	9.97488E-06	1.227466583	2.108517885	0.022650922	0.000486362	4.553760052	0.001096964	0.011165782	0.00014611	6.12938E-05	5.19348E-05	0.085185021	1.99498E-06	8.11521E-05	0.000349769	0.00125909	0
2094 Dec	0.109308004	9.95722E-06	1.221972346	2.095052004	0.022160716	0.000488907	4.537619591	0.001091647	0.011157647	0.000141487	5.97251E-05	5.14305E-05	0.084670059	1.99144E-06	8.12168E-05	0.000343894	0.001251294	0
2095 Jan	0.109540649	9.96056E-06	1.223940611	2.1001544	0.022298643	0.000489009	4.545156479	0.001093095	0.011163875	0.000142055	5.9839E-05	5.14981E-05	0.084864914	1.99211E-06	8.1264E-05	0.000345238	0.001251795	0
2095 Feb	0.109856315	9.96319E-06	1.226502299	2.107042313	0.022498753	0.000488892	4.554808617	0.00109498	0.01116973	0.000142969	6.00394E-05	5.15961E-05	0.085126787	1.99264E-06	8.13042E-05	0.000347198	0.001252456	0
2095 Mar	0.11015638	9.97619E-06	1.229326725	2.113252878	0.022634197	0.000489439	4.565372944	0.001097282	0.011185905	0.000143634	6.02186E-05	5.17095E-05	0.085368738	1.99524E-06	8.14206E-05	0.000348672	0.001254271	0
2095 Apr	0.111044042	1.00485E-05	1.238931894	2.130542517	0.022858929	0.000492916	4.601088047	0.00110573	0.01126784	0.000144949	6.07126E-05	5.21105E-05	0.086062051	2.00969E-06	8.20162E-05	0.000351783	0.00126346	0
2095 May	0.156764731	1.00272E-05	1.567674637	3.076276302	0.056020975	0.000379088	5.708382607	0.001369308	0.011343809	0.000453439	0.000125539	8.1721E-05	0.121579804	2.00545E-06	7.92039E-05	0.000712665	0.001478815	0
2095 Jun	0.19691579	1.02501E-05	1.844686747	3.850370169	0.085453674	0.000234515	6.533984184	0.001619992	0.011378957	0.000729824	0.000208811	0.000108492	0.150597006	2.05002E-06	7.42891E-05	0.001067383	0.001819389	0
2095 Jul	0.194103211	1.10292E-05	1.828271627	3.710867643	0.079308331	0.000243629	6.457880497	0.001632335	0.011881062	0.000678064	0.000207412	0.000105686	0.14560619	2.20584E-06	7.60887E-05	0.001001132	0.001895523	0
2095 Aug	0.15352644	1.06772E-05	1.538426995	2.893419981	0.054227944	0.000282542	5.455959797	0.001394639	0.010770913	0.000452489	0.000145931	8.52955E-05	0.115578361	2.13544E-06	6.92882E-05	0.000668061	0.001621623	0
2095 Sep	0.129484564	1.0552E-05	1.412575483	2.492506027	0.040209215	0.000352912	5.035045147	0.00127904	0.010327849	0.000314006	0.000105949	7.49912E-05	0.101561122	2.1104E-06	6.92075E-05	0.000487431	0.001467107	0
2095 Oct	0.124917246	1.04748E-05	1.375594735	2.406181097	0.036175594	0.000384197	4.942269802	0.001242102	0.010497616	0.000275174	9.45516E-05	7.03011E-05	0.098043017	2.09496E-06	7.1713E-05	0.000450097	0.001418756	0
2095 Nov	0.115544297	1.0218E-05	1.295459747	2.228466272	0.02878434	0.000433535	4.723353386	0.001163666	0.010664728	0.000204892	7.377E-05	6.13826E-05	0.0908041	2.0436E-06	7.51714E-05	0.000380234	0.001318581	0
2095 Dec	0.114518024	1.01978E-05	1.287035108	2.209047318	0.027906505	0.000440078	4.701633453	0.001155308	0.010696992	0.000196469	7.1295E-05	6.03541E-05	0.090013474	2.03956E-06	7.56789E-05	0.000372048	0.001307725	0
2096 Jan	0.114761859	1.02003E-05	1.289031386	2.21442008	0.028048649	0.000440261	4.709472179	0.001156728	0.010704169	0.000196985	7.13937E-05	6.04078E-05	0.090216219	2.04006E-06	7.57379E-05	0.000373481	0.001308072	0
2096 Feb	0.11516571	1.02074E-05	1.292439818	2.223108768	0.028283155	0.000440395	4.722332478	0.00115931	0.010715866	0.000198058	7.16409E-05	6.05366E-05	0.090548158	2.04149E-06	7.58214E-05	0.000375847	0.001309326	0
2096 Mar	0.115502037	1.02217E-05	1.295604348	2.230085373	0.0284392	0.000440916	4.734115601	0.001161891	0.010733113	0.000198842	7.1848E-05	6.06681E-05	0.090820409	2.04433E-06	7.59439E-05	0.000377513	0.001311339	0
2096 Apr	0.116383463	1.0291E-05	1.30515039	2.247374773	0.028697299	0.000443853	4.76911974	0.001170307	0.010807164	0.000200474	7.2395E-05	6.11058E-05	0.091517851	2.0582E-06	7.64681E-05	0.000380712	0.001320333	0
2096 May	0.141448975	1.03397E-05	1.484612584	2.76289773	0.045848913	0.0003972	5.38974762	0.001313016	0.011064546	0.000358992	0.00010595	7.59993E-05	0.110729836	2.06794E-06	7.6955E-05	0.000575309	0.001439533	0
2096 Jun	0.112319298	9.4687E-06	1.114611864	1.909611106	0.035519097	0.000134267	3.578111649	0.001126947	0.009147224	0.000286963	0.000208785	6.03752E-05	0.076482318	1.89374E-06	5.41066E-05	0.000638533	0.001883024	0
2096 Jul	0.105484039	1.02319E-05	1.066148996	1.681058645	0.027432585	0.000135804	3.341796637	0.001122854	0.009583914	0.000215636	0.000215722	5.547E-05	0.068084151	2.04638E-06	5.52866E-05	0.000574295	0.002009535	0
2096 Aug	0.109116584	1.08847E-05	1.140311599	1.777034402	0.027192939	0.000181143	3.641340256	0.001181743	0.010106314	0.00020851	0.000204971	5.8898E-05	0.072615452	2.17694E-06	5.95983E-05	0.000547894	0.002022892	0
2096 Sep	0.101951867	1.0473E-05	1.134021401	1.778473854	0.021384152	0.000314059	3.856075764	0.001112728	0.010282583	0.000145108	0.000136918	5.34966E-05	0.073099524	2.0946E-06	6.69579E-05	0.000412931	0.001674392	0
2096 Oct	0.096448101	9.92669E-06	1.116147518	1.796222806	0.015016757	0.000462881	4.075838089	0.001027579	0.010761323	7.78716E-05	6.58457E-05	4.52046E-05	0.073448487	1.98534E-06	7.72157E-05	0.000287171	0.001299108	0
2096 Nov	0.096335463	9.92414E-06	1.120851755	1.809029698	0.014275395	0.000484692	4.128745079	0.00102338	0.010892165	6.95665E-05	5.73138E-05	4.44279E-05	0.073929571	1.98483E-06	7.90117E-05	0.000272866	0.001260526	0
2096 Dec	0.096371323	9.92795E-06	1.121327519	1.809844613	0.014273643	0.000485088	4.130836964	0.001023734	0.010897619	6.95124E-05	5.72543E-05	4.44375E-05	0.073962487	1.98559E-06	7.90593E-05	0.000272833	0.001260645	0
2097 Jan	0.096536577	9.92892E-06	1.122671008	1.813512325	0.014378014	0.000485093	4.136027336	0.001024688	0.01090075	6.99873E-05	5.733E-05	4.4487E-05	0.074101649	1.98578E-06	7.90837E-05	0.000273825	0.00126081	0
2097 Feb	0.09675286	9.9295E-06	1.124379635	1.818269968	0.014521022	0.000484969	4.142490387	0.001025917	0.010903589	7.06597E-05	5.74651E-05	4.45538E-05	0.074281789	1.9859E-06	7.91028E-05	0.000275206	0.001261109	0
2097 Mar	0.096990868	9.9421E-06	1.126705527	1.823121667	0.01461718	0.000485501	4.151151657	0.001027859	0.010918638	7.11148E-05	5.76102E-05	4.46455E-05	0.074472219	1.98842E-06	7.92111E-05	0.000276301	0.001262833	0
2097 Apr	0.097911268	1.00297E-05	1.137144685	1.840639949	0.01479061	0.000489729	4.189665318	0.001037278	0.011015487	7.19512E-05	5.8159E-05	4.50589E-05	0.075183347	2.00593E-06	7.99132E-05	0.000279164	0.001274024	0
2097 May	0.128733829	1.02011E-05	1.3679533	2.47844553	0.035840284	0.000433356	4.987422466	0.00122194	0.01130794	0.000266154	9.7161E-05	6.43893E-05	0.099242397	2.04023E-06	8.01437E-05	0.000507266	0.001419096	0
2097 Jun	0.167003199	9.97273E-06	1.589492083	3.171022892	0.067644976	0.000206306	5.511318684	0.001445091	0.010622517	0.000571278	0.000205768	9.1386E-05	0.124678276	1.99455E-06	6.76822E-05	0.000910896	0.001827862	0
2097 Jul	0.160008386	1.07171E-05	1.537185788	2.935451508	0.059173662	0.000208565	5.280649185	0.001434853	0.011017535	0.000498399	0.000206917	8.62703E-05	0.116013452	2.14343E-06	6.84744E-05	0.000829854	0.001920948	0
2097 Aug	0.151950583	1.10444E-05	1.499479771	2.766550541	0.052053664	0.000240786	5.183911324	0.001404569	0.011062683	0.000434244	0.000182982	8.25135E-05	0.110264041	2.20889E-06	6.89785E-05	0.000718026	0.001849177	0
2097 Sep	0.144933254	1.11158E-05	1.474679708	2.664424658	0.046934176	0.000287732	5.137453556	0.001374337	0.011137111	0.000382175	0.000162647	7.90283E-05	0.106865406	2.22317E-06	7.12471E-05	0.000647253	0.001776956	0
2097 Oct	0.12960653	1.06758E-05	1.365395546	2.409431934	0.036360137	0.000365075	4.85970974	0.001257305	0.011111294	0.000280224	0.000121979	6.75812E-05	0.096997499	2.13516E-06	7.47854E-05	0.000519095	0.001572711	0
2097 Nov	0.122743368	1.0462E-05	1.315372229	2.29457283	0.031755354	0.000397164	4.729088306	0.001204263	0.011072854	0.000236005	0.000104326	6.25288E-05	0.092543729	2.0924E-06	7.61093E-05	0.000463092	0.001481722	0
2097 Dec	0.121730991	1.04269E-05	1.307765841	2.277494192	0.031103423	0.000401369	4.708518505	0.001196303	0.011061559	0.000229782	0.000101838	6.17987E-05	0.091879599	2.08538E-06	7.62503E-05	0.000455122	0.00146839	0
2098 Jan	0.121962659	1.04282E-05	1.309723377	2.282832146	0.031243941	0.000401615	4.716400146	0.001197616	0.011067445	0.00023023	0.000101868	6.18468E-05	0.09208215	2.08564E-06	7.63052E-05	0.000456416	0.001468288	0
2098 Feb	0.12231759	1.04301E-05	1.312594056	2.290695667	0.031471457	0.000401565	4.727386475	0.001199669	0.011073673	0.000231212	0.000102057	6.19483E-05	0.092380419	2.08601E-06	7.63523E-05	0.00045861	0.001468745	0
2098 Mar	0.122598223	1.04385E-05	1.315093517	2.296615124	0.031617999	0.000401823	4.736741543	0.001201642	0.011084939	0.000231913	0.000102232	6.20477E-05	0.092608854	2.0877E-06	7.64323E-05	0.000460133	0.001470038	0
2098 Apr	0.128217414	1.04785E-05	1.360895157	2.420649052	0.035168566	0.000401495	4.91170311	0.001234681	0.011193305	0.000247349	0.000105267	6.36838E-05	0.097319655	2.0957E-06	7.72434E-05	0.000494535	0.001478707	0
2098 May	0.178305551	1.03023E-05	1.7304461	3.501141071	0.070817865	0.000320733	6.238960743	0.001509612	0.011454903	0.000544016	0.000158018	9.15291E-05	0.137828961	2.06045E-06	7.75429E-05	0.000868736	0.001616316	0
2098 Jun	0.166154817	9.58058E-06	1.560694814	3.147160053	0.069587789	0.000164622	5.373000145	0.001423279	0.010127458	0.000590844	0.000214337	9.15784E-05	0.123490855	1.91612E-06	6.32755E-05	0.00093462	0.001822873	0
2098 Jul	0.161888883	1.05146E-05	1.53937149	2.970947027	0.062593184	0.000171353	5.226672649	0.001444096	0.010752866	0.000527987	0.000225632	8.81874E-05	0.117175885	2.10292E-06	6.57835E-05	0.000888281	0.001986644	0
2098 Aug	0.135780916	1.0493E-05	1.404970646	2.52320385	0.045981307	0.000254484	4.840228558	0.001312691	0.010201063	0.000371445	0.000161739	7.73897E-05	0.101757981	2.09859E-06	6.47025E-05	0.00062788	0.001718387	0
2098 Sep	0.10763035	9.95122E-06	1.22663033	2.06332159	0.02616524	0.00040437	4.408775806	0.00111807	0.01018577	0.000180163	8.2477E-05	5.82447E-05	0.084528305	1.99024E-06	7.12069E-05	0.000370112	0.001346514	0
2098 Oct	0.099057451	9.70714E-06	1.152312398	1.909989715	0.017524498	0.000487444	4.276639462	0.001032557	0.01065288	9.79564E-05	4.84994E-05	4.7609E-05	0.077999532	1.94143E-06	7.79892E-05	0.00027943	0.001186138	0
2098 Nov	0.097463399	9.67355E-06	1.139077187	1.881485581	0.015840517	0.0005041	4.255028248	0.001017151	0.010754835	8.18661E-05	4.19633E-05	4.5598E-05	0.076792449	1.93471E-06	7.93819E-05	0.000261803	0.001156723	0
2098 Dec	0.097544655	9.6832E-06	1.140095949	1.883081317	0.015836062	0.000504828	4.259173393	0.001018018	0.010767245	8.17515E-05	4.19265E-05	4.56206E-05	0.076857105	1.93664E-06	7.94814E-05	0.000261855	0.001157565	0
2099 Jan	0.097756624	9.68654E-06	1.141869426	1.887657762	0.015960118	0.000504896	4.265907288	0.001019346	0.010773161	8.23133E-05	4.20485E-05	4.56862E-05	0.077031575	1.93731E-06	7.95243E-05	0.000263096	0.001158142	0
2099 Feb	0.098035797	9.68999E-06	1.144165516	1.893691063	0.016131137	0.000504868	4.274532795	0.001021066	0.010779466	8.3117E-05	4.22308E-05	4.57761E-05	0.077261396	1.938E-06	7.95675E-05	0.000264797	0.001158883	0
2099 Mar	0.098456182	9.71827E-06	1.148543	1.902163506	0.016269064	0.000506228	4.290912151	0.001024791	0.010812282	8.37851E-05	4.24459E-05	4.59502E-05	0.077598087	1.94365E-06	7.98079E-05	0.000266453	0.001162446	0
2099 Apr	0.108223744	9.84282E-06	1.229030252	2.113157988	0.02223259	0.000505494	4.593272686	0.001085138	0.011036752	0.000111802	4.88086E-05	4.91017E-05	0.085637547	1.96856E-06	8.13505E-05	0.00032581	0.001188744	0
2099 May	0.222638056	9.74038E-06	2.058045864	4.507159233	0.10351681	0.000267311	7.482073784	0.001729777	0.011487716	0.000762046	0.000188706	0.000110545	0.175453573	1.94808E-06	7.79752E-05	0.00118912	0.00161769	0
2099 Jun	0.187163979	9.77215E-06	1.742945671	3.630958557	0.082075238	0.000189366	6.109476566	0.001546338	0.010671296	0.00067584	0.000214418	0.000101039	0.141987652	1.95443E-06	6.82273E-05	0.001041692	0.001807188	0
2099 Jul	0.176721707	1.05534E-05	1.66421783	3.316110611	0.071053118	0.000195176	5.779475689	0.001518148	0.011058777	0.000583898	0.000213067	9.41637E-05	0.130341396	2.11068E-06	6.89275E-05	0.000935361	0.001898627	0
2099 Aug	0.161899447	1.09667E-05	1.612408042	3.061249018	0.060334932	0.000260292	5.628152847	0.001472446	0.011052508	0.000482894	0.000179219	8.91623E-05	0.122035995	2.19334E-06	7.04891E-05	0.00077964	0.001807853	0
2099 Sep	0.126158535	1.03636E-05	1.37970221	2.435427427	0.038168527	0.000369507	4.917020321	0.001249925	0.010447237	0.000279032	0.000108113	6.98976E-05	0.098975226	2.07271E-06	7.12738E-05	0.000495689	0.001475052	0
2099 Oct	0.111942634	1.0002E-05	1.259938121	2.165116787	0.026687639	0.000446478	4.605817318	0.001130326	0.010680359	0.000175179	7.16802E-05	5.69695E-05	0.088055126	2.0004E-06	7.62951E-05	0.000374837	0.001299281	0
2099 Nov	0.106641792	9.85018E-06	1.21454978	2.064116955	0.022583503	0.000472149	4.483902454	0.001085447	0.01073246	0.000138278	5.87577E-05	5.22971E-05	0.083978258	1.97004E-06	7.78357E-05	0.000331357	0.001234569	0
2099 Dec	0.106699623	9.85892E-06	1.215359211	2.065251589	0.022565966	0.000472895	4.487343788	0.001086128	0.010744129	0.000138053	5.86902E-05	5.23049E-05	0.084024779	1.97178E-06	7.79319E-05	0.000331267	0.00123521	0
2100 Jan	0.10687311	9.86013E-06	1.216755152	2.069064617	0.02267272	0.000472924	4.492752552	0.001087125	0.010747973	0.000138493	5.87731E-05	5.23496E-05	0.084168881	1.97203E-06	7.79618E-05	0.000332312	0.001235431	0
2100 Feb	0.107118152	9.86149E-06	1.21870625	2.074416399	0.02283038	0.000472825	4.5001297	0.001088545	0.010752044	0.000139214	5.89286E-05	5.24229E-05	0.084371597	1.9723E-06	7.79898E-05	0.000333857	0.001235866	0
2100 Mar	0.107310414	9.86762E-06	1.22043705	2.078470469	0.022928892	0.00047303	4.506614685	0.001089915	0.01076014	0.000139683	5.90457E-05	5.24916E-05	0.08452832	1.97352E-06	7.80476E-05	0.000334883	0.001236779	0
2100 Apr	0.10843195	9.9641E-06	1.232929587	2.10038352	0.023201603	0.000477604	4.552799702	0.001100971	0.01086616	0.000141269	5.96693E-05	5.30256E-05	0.085414797	1.99282E-06	7.88161E-05	0.000338628	0.001248955	0
2100 May	0.169977069	1.00256E-05	1.671767592	3.362048149	0.066442758	0.00033993	6.048830986	0.001452847	0.011221449	0.000545244	0.000144655	9.13703E-05	0.132593244	2.00513E-06	7.71878E-05	0.000817406	0.001541091	0
2100 Jun	0.154364511	9.46525E-06	1.463298321	2.887308836	0.062420629	0.000161338	4.995233536	0.001353421	0.009858675	0.000526539	0.000209552	8.47634E-05	0.113605753	1.89305E-06	6.12078E-05	0.00086714	0.001808887	0
2100 Jul	0.132001564	9.89104E-06	1.280183554	2.324203253	0.045641046	0.000152415	4.249700546	0.001246642	0.009777396	0.000378416	0.000207611	7.09666E-05	0.092373744	1.97821E-06	5.85951E-05	0.00071489	0.001882404	0
2100 Aug	0.110949591	9.91834E-06	1.197398186	2.006887436	0.031933047	0.000251257	4.093783855	0.001144763	0.009331261	0.000247248	0.000135567	6.35156E-05	0.082113951	1.98367E-06	5.88612E-05	0.000462476	0.001569145	0
2100 Sep	0.100273453	9.97702E-06	1.1792171	1.892799258	0.024939058	0.000337355	4.117149353	0.001103788	0.009339541	0.000172661	9.5507E-05	5.98303E-05	0.078898966	1.9954E-06	6.23986E-05	0.000343135	0.001409786	0
2100 Oct	0.100125924	9.99431E-06	1.177835226	1.897799492	0.023055442	0.000374152	4.168288708	0.001093	0.009692349	0.00015333	8.49689E-05	5.72197E-05	0.078815289	1.99886E-06	6.62823E-05	0.000326469	0.001368102	0
2100 Nov	0.100312196	1.00198E-05	1.180114746	1.902944565	0.022713235	0.000382615	4.187983036	0.001093146	0.0097868	0.000149638	8.29648E-05	5.68021E-05	0.078968801	2.00397E-06	6.72336E-05	0.000323705	0.001362442	0
2100 Dec	0.100442968	1.00333E-05	1.181659102	1.905522943	0.022719515	0.000383584	4.19416666	0.001094457	0.009804188	0.000149593	8.29421E-05	5.68444E-05	0.07907217	2.00667E-06	6.73713E-05	0.000323923	0.001363723	0
2101 Jan	0.100610569	1.00365E-05	1.18307507	1.909158945	0.022808185	0.000383809	4.199762344	0.001095488	0.009810737	0.00014996	8.29974E-05	5.68875E-05	0.079209879	2.0073E-06	6.74242E-05	0.000324828	0.001364068	0
2101 Feb	0.10080827	1.00376E-05	1.184646845	1.913482547	0.022932032	0.000383792	4.205795765	0.001096619	0.009814687	0.000150522	8.31072E-05	5.69435E-05	0.079373129	2.00753E-06	6.74537E-05	0.00032605	0.001364364	0
2101 Mar	0.10095945	1.00426E-05	1.186012626	1.916664362	0.023009531	0.000383947	4.210892677	0.001097705	0.009821045	0.000150893	8.32028E-05	5.69985E-05	0.079496309	2.00852E-06	6.74987E-05	0.000326858	0.00136511	0
2101 Apr	0.101807468	1.01007E-05	1.194909573	1.933573008	0.023314612	0.00038608	4.243123055	0.001105479	0.009881852	0.000152539	8.38262E-05	5.73984E-05	0.080174804	2.02014E-06	6.79199E-05	0.00033043	0.001373204	0
2101 May	0.161366314	1.0109E-05	1.615989327	3.168450117	0.062898405	0.000302552	5.761586666	0.001427265	0.010673623	0.00051641	0.000150684	9.04714E-05	0.125904128	2.0218E-06	7.15291E-05	0.000773136	0.001585647	0

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.170705408	9.75331E-06	1.609937668	3.255856991	0.071837619	0.000178746	5.570652485	0.001458466	0.010332384	0.000610594	0.000212236	9.46599E-05	0.127842963	1.95066E-06	6.50707E-05	0.000948996	0.00182381	0
2101 Jul	0.169946149	1.05961E-05	1.617049932	3.170038223	0.067814529	0.000183746	5.528567314	0.001497166	0.010953287	0.000573121	0.000227209	9.35324E-05	0.124914587	2.11923E-06	6.78705E-05	0.000936637	0.001991246	0
2101 Aug	0.171346605	1.1231E-05	1.661327839	3.194373608	0.066008516	0.000216702	5.699961185	0.001539494	0.01143121	0.000553761	0.000220829	9.50133E-05	0.126522779	2.24621E-06	7.12731E-05	0.000904459	0.002026861	0
2101 Sep	0.13438569	1.06405E-05	1.428956747	2.560103893	0.042482764	0.000346249	5.03449297	0.00130784	0.010841439	0.000329989	0.000135471	7.43959E-05	0.103332624	2.1281E-06	7.28216E-05	0.000583395	0.001626812	0
2101 Oct	0.124739744	1.04264E-05	1.354767561	2.384329319	0.034911122	0.000398737	4.850830078	0.001231183	0.010938705	0.000258806	0.00010821	6.62238E-05	0.096415691	2.08529E-06	7.57452E-05	0.000493784	0.001496512	0
2101 Nov	0.113106452	1.00852E-05	1.260973573	2.170962334	0.026480362	0.000449935	4.601657391	0.001136244	0.010920402	0.000180329	7.81304E-05	5.68205E-05	0.087993659	2.01705E-06	7.79999E-05	0.00039316	0.001342062	0
2101 Dec	0.111767314	1.0066E-05	1.251204848	2.146662474	0.025348224	0.000458572	4.579304695	0.001125962	0.010949601	0.0001696	7.40546E-05	5.56391E-05	0.087041624	2.0132E-06	7.85494E-05	0.000379879	0.001323903	0
2102 Jan	0.111993201	1.00666E-05	1.253011465	2.151710272	0.025490692	0.000458613	4.586420059	0.001127207	0.010953868	0.000170141	7.41341E-05	5.56916E-05	0.087232172	2.01333E-06	7.8585E-05	0.000381219	0.001323944	0
2102 Feb	0.112342656	1.00691E-05	1.255826116	2.159348965	0.025712518	0.000458522	4.597092152	0.001129259	0.010960233	0.000171141	7.43442E-05	5.57963E-05	0.087522022	2.01382E-06	7.86297E-05	0.000383382	0.001324572	0
2102 Mar	0.112611242	1.00775E-05	1.258235455	2.16501236	0.025851039	0.000458794	4.606112003	0.001131165	0.010971374	0.000171805	7.45105E-05	5.58922E-05	0.087740824	2.0155E-06	7.87091E-05	0.000384826	0.001325842	0
2102 Apr	0.113203347	1.01215E-05	1.264511228	2.176682711	0.026031125	0.000460734	4.629201412	0.001136658	0.011020429	0.000172854	7.48957E-05	5.61647E-05	0.08820764	2.0243E-06	7.90608E-05	0.000387151	0.001331726	0
2102 May	0.11582543	1.0339E-05	1.293059349	2.22742033	0.02672334	0.000470269	4.733503819	0.001162149	0.011258336	0.000177696	7.67307E-05	5.74784E-05	0.090251654	2.06779E-06	8.07574E-05	0.000396887	0.001361043	0
2102 Jun	0.090613894	9.72151E-06	0.964355588	1.443170309	0.019214822	0.000184221	3.038347721	0.00101808	0.009245574	0.000134061	0.000186001	4.66056E-05	0.05911389	1.9443E-06	5.57981E-05	0.00047362	0.001846797	0
2102 Jul	0.089023188	1.01391E-05	0.926627457	1.303291559	0.016842758	0.000128834	2.805612326	0.001024787	0.009237842	0.00012185	0.000207681	4.5608E-05	0.05369826	2.02783E-06	5.22283E-05	0.000469422	0.001987931	0
2102 Aug	0.089955248	1.04809E-05	0.996335506	1.405158401	0.016129678	0.00019854	3.160792589	0.001055593	0.009447549	0.000109092	0.0001727	4.89479E-05	0.058783971	2.09617E-06	5.58844E-05	0.000395195	0.001852441	0
2102 Sep	0.08906284	1.04486E-05	1.043144584	1.50093317	0.014883035	0.000288323	3.468129873	0.001053761	0.009663767	8.81057E-05	0.000132597	4.93974E-05	0.063167572	2.08971E-06	6.13021E-05	0.000329209	0.001664849	0
2102 Oct	0.089345641	9.90971E-06	1.054733396	1.614754915	0.012589682	0.000409909	3.756372213	0.001000528	0.010195953	5.96554E-05	7.90758E-05	4.40314E-05	0.066861652	1.98194E-06	7.09777E-05	0.000266947	0.001364556	0
2102 Nov	0.089899823	9.94294E-06	1.061722279	1.630261064	0.01254685	0.000418573	3.793763399	0.001003913	0.010285025	5.85471E-05	7.68418E-05	4.4026E-05	0.067452721	1.98859E-06	7.19001E-05	0.000265379	0.00135766	0
2102 Dec	0.089988694	9.95144E-06	1.062793374	1.632132888	0.012553475	0.000419278	3.79818368	0.001004772	0.010296425	5.85344E-05	7.67885E-05	4.40563E-05	0.067527771	1.99029E-06	7.19941E-05	0.000265488	0.001358274	0
2103 Jan	0.090154521	9.95362E-06	1.064194083	1.63580668	0.012649353	0.00041942	3.803681135	0.001005773	0.01030133	5.89699E-05	7.68425E-05	4.41059E-05	0.067667522	1.99072E-06	7.20341E-05	0.00026641	0.001358489	0
2103 Feb	0.090395413	9.959E-06	1.066274285	1.640957832	0.012784049	0.000419555	3.811509132	0.001007373	0.010309288	5.96024E-05	7.69889E-05	4.4187E-05	0.067865171	1.9918E-06	7.20908E-05	0.000267776	0.001359362	0
2103 Mar	0.090607315	9.97079E-06	1.068358183	1.645229459	0.012868953	0.000420002	3.819172621	0.001009143	0.010322801	6.00007E-05	7.71373E-05	4.42706E-05	0.068033434	1.99416E-06	7.21859E-05	0.00026876	0.001361048	0
2103 Apr	0.091223247	1.0032E-05	1.07538259	1.656656861	0.012987903	0.00042255	3.844406366	0.001015663	0.010386871	6.05567E-05	7.76433E-05	4.45601E-05	0.068501167	2.00639E-06	7.26343E-05	0.000270791	0.00136944	0
2103 May	0.138373449	1.01201E-05	1.425100088	2.649705887	0.045189202	0.000350153	5.090276718	0.00128455	0.010844984	0.000357051	0.000129695	7.32059E-05	0.105774336	2.02401E-06	7.39577E-05	0.000614639	0.001538014	0
2103 Jun	0.154727221	9.57325E-06	1.467606068	2.885892868	0.062285691	0.000160221	4.998969078	0.001361489	0.009937115	0.000527008	0.000212738	8.51406E-05	0.113591477	1.91465E-06	6.15125E-05	0.000870726	0.001835705	0
2103 Jul	0.130745664	1.00902E-05	1.268785119	2.270624876	0.043156337	0.000157916	4.230420113	0.001240637	0.009882834	0.000361029	0.000199337	6.981E-05	0.090415247	2.01805E-06	5.87978E-05	0.000672718	0.001860178	0
2103 Aug	0.110325098	1.02399E-05	1.130267024	1.83771801	0.025934305	0.000223788	3.921435595	0.00110555	0.009537322	0.000215605	0.000119108	5.8177E-05	0.074872121	2.04798E-06	5.69708E-05	0.000360606	0.001497789	0
2103 Sep	0.102445379	1.00448E-05	1.124526858	1.814257741	0.020145738	0.000349135	4.029502392	0.001060319	0.010006842	0.000144457	8.19515E-05	5.21823E-05	0.07431753	2.00896E-06	6.6291E-05	0.00029589	0.001340544	0
2103 Oct	0.096130103	9.73115E-06	1.105041385	1.793686867	0.01460499	0.000466677	4.101166248	0.001004327	0.010570426	7.89595E-05	4.77242E-05	4.46771E-05	0.073278755	1.94623E-06	7.60225E-05	0.000245417	0.001181681	0
2103 Nov	0.095304154	9.70394E-06	1.104080915	1.793354511	0.013731751	0.000486216	4.120337009	0.000997496	0.010681586	6.85437E-05	4.23692E-05	4.35717E-05	0.073238485	1.94079E-06	7.77121E-05	0.000237541	0.00115904	0
2103 Dec	0.095358625	9.71011E-06	1.104803324	1.794537902	0.013731529	0.000486744	4.123272419	0.000998087	0.010689853	6.84784E-05	4.23408E-05	4.35889E-05	0.073286556	1.94202E-06	7.77814E-05	0.000237614	0.001159572	0
2104 Jan	0.095542967	9.71148E-06	1.106311679	1.798616409	0.013848049	0.000486742	4.129011154	0.000999179	0.010693576	6.90056E-05	4.24479E-05	4.36448E-05	0.073441416	1.9423E-06	7.78098E-05	0.000238767	0.001159907	0
2104 Feb	0.095801301	9.71368E-06	1.108408451	1.804249167	0.01401177	0.000486668	4.136890411	0.001000727	0.010698454	6.97743E-05	4.26186E-05	4.3727E-05	0.073655516	1.94274E-06	7.78433E-05	0.000240386	0.001160489	0
2104 Mar	0.096051238	9.72606E-06	1.110818028	1.809370875	0.014116384	0.000487189	4.145911694	0.001002716	0.010713411	7.027E-05	4.27598E-05	4.38218E-05	0.073856033	1.94521E-06	7.7951E-05	0.000241538	0.00116214	0
2104 Apr	0.097059004	9.82081E-06	1.122201562	1.82858789	0.014302758	0.000491879	4.188415051	0.001012887	0.010818533	7.11837E-05	4.32254E-05	4.42707E-05	0.074635632	1.96416E-06	7.87153E-05	0.000244368	0.001173559	0
2104 May	0.163460612	9.93735E-06	1.60835135	3.20625639	0.061538942	0.000344919	5.834106445	0.001403299	0.011164396	0.000507692	0.000136546	8.66483E-05	0.126432195	1.98747E-06	7.68221E-05	0.000766271	0.001503311	0
2104 Jun	0.165404201	9.56898E-06	1.557154059	3.13755703	0.068870418	0.000173246	5.376298904	0.001416992	0.010147681	0.000586107	0.000209485	9.11642E-05	0.123144753	1.9138E-06	6.37475E-05	0.000921889	0.001799871	0
2104 Jul	0.149107173	1.02218E-05	1.425895333	2.693071842	0.054381743	0.000175016	4.856552124	0.00134766	0.010327942	0.000460448	0.000202344	8.04112E-05	0.106517807	2.04435E-06	6.28495E-05	0.000774802	0.00185755	0
2104 Aug	0.134709373	1.04499E-05	1.362506986	2.439713478	0.043994363	0.000233218	4.693897724	0.001285902	0.010184964	0.000362698	0.000162032	7.45707E-05	0.09802296	2.08998E-06	6.33016E-05	0.000608061	0.0017093	0
2104 Sep	0.111493386	1.01179E-05	1.246355176	2.097675085	0.029482508	0.000350536	4.408504963	0.001152825	0.009952439	0.000217131	0.000100578	6.25864E-05	0.085998133	2.02359E-06	6.69735E-05	0.000404408	0.001432937	0
2104 Oct	0.102290653	9.85133E-06	1.174338222	1.949742913	0.020358337	0.000449528	4.30023098	0.001063978	0.010491132	0.000127707	6.25651E-05	5.13608E-05	0.079710864	1.97027E-06	7.50411E-05	0.000309229	0.001255831	0
2104 Nov	0.100668289	9.82043E-06	1.162509084	1.924206138	0.018584574	0.000470056	4.287537575	0.00104864	0.010619532	0.000110177	5.51724E-05	4.92464E-05	0.078622922	1.96409E-06	7.67908E-05	0.000290897	0.001223554	0
2104 Dec	0.100727983	9.82756E-06	1.163269043	1.925401807	0.018580707	0.000470618	4.290650368	0.001049279	0.010628853	0.000110084	5.51398E-05	4.92624E-05	0.078671359	1.96551E-06	7.68664E-05	0.000290932	0.001224156	0
2105 Jan	0.100872487	9.82823E-06	1.164422512	1.928595901	0.01867157	0.000470625	4.295119286	0.001050095	0.010631726	0.000110471	5.52102E-05	4.93006E-05	0.078791909	1.96565E-06	7.68891E-05	0.00029182	0.001224309	0
2105 Feb	0.101089731	9.83062E-06	1.166200519	1.933308959	0.018805496	0.000470604	4.301826	0.001051415	0.010636489	0.000111092	5.53473E-05	4.93688E-05	0.078971192	1.96612E-06	7.69224E-05	0.000293148	0.001224831	0
2105 Mar	0.101240218	9.83504E-06	1.167539477	1.936491489	0.01888448	0.000470742	4.306845665	0.001052468	0.010642458	0.000111466	5.54397E-05	4.94216E-05	0.079093963	1.96701E-06	7.6965E-05	0.000293965	0.001225505	0
2105 Apr	0.10183873	9.88735E-06	1.17421484	1.94811368	0.019025268	0.000473204	4.331516266	0.001058397	0.010699734	0.000112245	5.57731E-05	4.9702E-05	0.079564542	1.97747E-06	7.73788E-05	0.000295921	0.001232092	0
2105 May	0.163641885	9.94995E-06	1.618147373	3.221874952	0.06242894	0.000340101	5.851304531	0.001412474	0.011077231	0.000514613	0.000139555	8.8012E-05	0.127237335	1.98999E-06	7.6127E-05	0.000775201	0.001518962	0
2105 Jun	0.188937098	9.98707E-06	1.769952059	3.674384832	0.081912704	0.000211533	6.230825901	0.001565577	0.010938494	0.000700174	0.000209271	0.000104596	0.143822283	1.99741E-06	7.05996E-05	0.001033839	0.001804362	0
2105 Jul	0.172418848	1.04363E-05	1.629539967	3.232949018	0.067617066	0.000212659	5.716182709	0.001478599	0.010939792	0.000579096	0.00019195	9.35783E-05	0.127211004	2.08725E-06	6.86245E-05	0.000867644	0.001786091	0
2105 Aug	0.125248343	1.01226E-05	1.321207643	2.327834129	0.038586274	0.000286564	4.675186634	0.001216682	0.009742426	0.000312475	0.000112495	7.11945E-05	0.094493277	2.02453E-06	6.25885E-05	0.000470626	0.001444194	0
2105 Sep	0.100196242	9.82802E-06	1.182844758	1.936675191	0.021671627	0.000423581	4.301037788	0.001070626	0.009882374	0.000141089	5.78779E-05	5.53559E-05	0.080135778	1.9656E-06	6.9756E-05	0.000281865	0.001221425	0
2105 Oct	0.096379668	9.67457E-06	1.139445543	1.86375916	0.016569808	0.000481614	4.230968952	0.001020649	0.010392859	9.11717E-05	4.17211E-05	4.78409E-05	0.076579861	1.93491E-06	7.58642E-05	0.000248091	0.001148598	0
2105 Nov	0.095451929	9.64809E-06	1.129234314	1.846077561	0.015195877	0.000497991	4.217535019	0.001008549	0.010544376	7.76346E-05	3.73757E-05	4.58763E-05	0.075708531	1.92962E-06	7.76117E-05	0.000238998	0.001130529	0
2105 Dec	0.09548673	9.65233E-06	1.129656196	1.846753597	0.015188831	0.00049839	4.219361782	0.001008896	0.010550826	7.75316E-05	3.73486E-05	4.58777E-05	0.075734816	1.93047E-06	7.76656E-05	0.000239015	0.001130873	0
2106 Jan	0.095673367	9.65354E-06	1.131138325	1.850818515	0.015305865	0.000498361	4.225008965	0.001009972	0.010554583	7.80587E-05	3.74631E-05	4.59304E-05	0.075888298	1.93071E-06	7.7693E-05	0.000240187	0.001131218	0
2106 Feb	0.095924273	9.65472E-06	1.133120298	1.856285691	0.015469031	0.000498225	4.232462406	0.00101142	0.010558435	7.88235E-05	3.76337E-05	4.60072E-05	0.076095186	1.93094E-06	7.77184E-05	0.000241798	0.001131693	0
2106 Mar	0.0961162	9.66091E-06	1.134851933	1.860333443	0.0155669	0.000498437	4.238957882	0.00101279	0.010566601	7.92858E-05	3.77484E-05	4.60755E-05	0.07625173	1.93218E-06	7.77769E-05	0.000242815	0.001132602	0
2106 Apr	0.096865259	9.72869E-06	1.143389583	1.87502265	0.015726538	0.000501871	4.270863056	0.001020309	0.010641526	8.00782E-05	3.80651E-05	4.64209E-05	0.076848432	1.94574E-06	7.83275E-05	0.000245013	0.001140652	0
2106 May	0.124659605	9.93874E-06	1.34924829	2.440372229	0.034388356	0.000449721	4.97261858	0.001188798	0.010973793	0.000252314	7.6348E-05	6.34842E-05	0.098112434	1.98775E-06	7.88552E-05	0.00045482	0.001293545	0
2106 Jun	0.132685363	9.68208E-06	1.292355061	2.377920389	0.04743189	0.000160679	4.298364162	0.001247172	0.009705594	0.000392384	0.00020818	7.2007E-05	0.094402477	1.93642E-06	5.91586E-05	0.000739771	0.00186765	0
2106 Jul	0.115349635	1.03749E-05	1.149671078	1.898597002	0.032086372	0.000156871	3.727224827	0.001173043	0.009871199	0.000260088	0.00020247	6.05829E-05	0.076436758	2.07499E-06	5.7769E-05	0.000585631	0.001937022	0
2106 Aug	0.099746488	1.02058E-05	1.093417168	1.693623781	0.021484848	0.0002533	3.739840508	0.001075999	0.009345647	0.000162881	0.000117506	5.53306E-05	0.070179328	2.04116E-06	5.74595E-05	0.000330725	0.001520411	0
2106 Sep	0.089258336	9.93226E-06	1.100030422	1.677687407	0.015495322	0.000396875	3.926200867	0.001025401	0.009503256	8.70372E-05	6.22147E-05	5.11113E-05	0.070677899	1.98645E-06	6.55469E-05	0.000221998	0.001267812	0
2106 Oct	0.091046497	9.90109E-06	1.108269572	1.726644754	0.014233219	0.000446683	4.034817219	0.001017177	0.010048671	7.20893E-05	5.11192E-05	4.80373E-05	0.071976446	1.98022E-06	7.14747E-05	0.00022092	0.001219603	0
2106 Nov	0.09145008	9.94114E-06	1.112951756	1.734562039	0.014268856	0.000449388	4.053240299	0.001021199	0.010099395	7.21174E-05	5.1133E-05	4.818E-05	0.072293602	1.98823E-06	7.18714E-05	0.000221799	0.001223754	0
2106 Dec	0.091508202	9.94657E-06	1.113606095	1.735725164	0.014271591	0.000449841	4.055941105	0.001021736	0.01010724	7.20959E-05	5.11165E-05	4.81944E-05	0.072339118	1.98932E-06	7.19355E-05	0.000221917	0.001224243	0
2107 Jan	0.091626242	9.94765E-06	1.114553213	1.738300085	0.014341231	0.000449898	4.059632778	0.001022415	0.010110514	7.24101E-05	5.11738E-05	4.82258E-05	0.072436005	1.98953E-06	7.19616E-05	0.000222628	0.001224438	0
2107 Feb	0.091808505	9.95194E-06	1.116131663	1.742184997	0.014442033	0.000450009	4.065565586	0.001023635	0.01011675	7.28845E-05	5.12864E-05	4.82874E-05	0.072585136	1.99039E-06	7.2006E-05	0.000223658	0.001225133	0
2107 Mar	0.092022836	9.96672E-06	1.118389249	1.746484756	0.014515145	0.000450633	4.073888779	0.001025581	0.010132805	7.32347E-05	5.1412E-05	4.83814E-05	0.072757326	1.99334E-06	7.21202E-05	0.0002245	0.001227044	0
2107 Apr	0.092387624	1.00014E-05	1.122624159	1.753540874	0.014595154	0.000452175	4.089372158	0.001029394	0.010168659	7.36277E-05	5.16192E-05	4.85625E-05	0.07304731	2.00028E-06	7.23754E-05	0.000225573	0.001231366	0
2107 May	0.128855079	1.00176E-05	1.380691648	2.504637957	0.039563984	0.000385147	4.990144253	0.001232264	0.010527356	0.000304387	9.87635E-05	6.99072E-05	0.100963466	2.00351E-06	7.3085E-05	0.000507132	0.001390583	0
2107 Jun	0.17455548	9.98716E-06	1.653801441	3.344662189	0.072928198	0.000201369	5.757742882	0.001489762	0.010646649	0.000619622	0.000207894	9.6679E-05	0.131398365	1.99743E-06	6.77987E-05	0.000952883	0.001823053	0
2107 Jul	0.150370359	1.03041E-05	1.442045569	2.72472477	0.053564597	0.000198565	4.997199535	0.001346575	0.010404817	0.000456362	0.000179819	8.07803E-05	0.107910648	2.06082E-06	6.37828E-05	0.000721482	0.001746858	0
2107 Aug	0.143691584	1.07559E-05	1.414306641	2.57166791	0.046647191	0.000230914	4.931456566	0.001328282	0.010583313	0.000394333	0.000158829	7.74124E-05	0.102740467	2.15117E-06	6.49711E-05	0.000616401	0.001700473	0
2107 Sep	0.131320044	1.0658E-05	1.354805946	2.393751144	0.037585273	0.000320538	4.809262753	0.00125673	0.010799547	0.00030132	0.000124154	6.91457E-05	0.096302554	2.1316E-06	7.03506E-05	0.000509331	0.001561119	0
2107 Oct	0.118098333	1.02933E-05	1.267982006	2.188730717	0.028533289	0.000398004	4.594878674	0.00116029	0.010866664	0.000210974	9.01302E-05	5.92541E-05	0.088401929	2.05866E-06	7.46089E-05	0.000407526	0.001396694	0
2107 Nov	0.113570102	1.0175E-05	1.23867774	2.118771791	0.0253851	0.000425482	4.523778439	0.00112754	0.010899923	0.000179495	7.82941E-05	5.58407E-05	0.085709795	2.03501E-06	7.6166E-05	0.000372195	0.001340381	0
2107 Dec	0.113584653	1.01797E-05	1.239067554	2.119209528	0.025363749	0.000426047	4.525614738	0.001127826	0.010906705	0.000179237	7.82039E-05	5.58342E-05	0.085729092	2.03593E-06	7.62286E-05	0.000372007	0.001340521	0
2108 Jan	0.113729551	1.01815E-05	1.240314245	2.12247324	0.025449282	0.000426183	4.530480862	0.001128713	0.01091093	0.000179558	7.8255E-05	5.58722E-05	0.085853562	2.03629E-06	7.62643E-05	0.000372841	0.001340728	0
2108 Feb	0.113933183	1.0183E-05	1.241974473	2.126957417	0.025578469	0.000426155	4.536779404	0.00112992	0.010914815	0.000180134	7.83755E-05	5.59335E-05	0.086023942	2.0366E-06	7.62927E-05	0.000374107	0.001341101	0
2108 Mar	0.114224531	1.02E-05	1.244845748	2.132768154	0.025689317	0.000426816	4.547395229	0.001132368	0.010934222	0.000180733	7.85652E-05	5.60555E-05	0.08625298	2.03999E-06	7.64291E-05	0.000375388	0.001343428	0
2108 Apr	0.116205916	1.03364E-05	1.265079737	2.171422482	0.026337743	0.000432302	4.62187767	0.001150037	0.011085931	0.000184485	7.98803E-05	5.69339E-05	0.087789573	2.06727E-06	7.74926E-05	0.00038335	0.001361815	0

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.127219588	1.05999E-05	1.359122396	2.402303696	0.032565989	0.00043421	4.965531826	0.001224955	0.011444158	0.000226167	8.92398E-05	6.19503E-05	0.096645221	2.11998E-06	7.98541E-05	0.000450264	0.001416507	0
2108 Jun	0.110090159	9.91638E-06	1.114421964	1.847593784	0.031430028	0.000166064	3.58870697	0.001134024	0.009583177	0.000245243	0.00020276	5.79735E-05	0.074401341	1.98328E-06	5.74665E-05	0.000597496	0.001909935	0
2108 Jul	0.108457953	1.06795E-05	1.107817531	1.736041665	0.027336165	0.000158861	3.48644042	0.001163649	0.010069726	0.000209552	0.000219577	5.66057E-05	0.070426136	2.1359E-06	5.89036E-05	0.000584512	0.002076877	0
2108 Aug	0.112105243	1.13352E-05	1.1802665	1.828289747	0.026979053	0.000203013	3.783036232	0.001221199	0.010585811	0.000202226	0.000207938	5.99568E-05	0.074798942	2.26703E-06	6.30633E-05	0.000554387	0.002085032	0
2108 Sep	0.107816443	1.11429E-05	1.180699348	1.827711701	0.023887921	0.000274208	3.907832861	0.001187158	0.010619385	0.000168192	0.000170248	5.77072E-05	0.075202532	2.22857E-06	6.65488E-05	0.000476216	0.001895141	0
2108 Oct	0.097970694	1.01481E-05	1.122258544	1.787414789	0.01621405	0.000428107	4.023153305	0.001053021	0.010735901	9.03735E-05	8.49952E-05	4.69976E-05	0.073189065	2.02961E-06	7.52371E-05	0.000318743	0.00140939	0
2108 Nov	0.097241603	1.00786E-05	1.121299624	1.792719245	0.015269566	0.000451477	4.063251019	0.001041526	0.010818952	8.03454E-05	7.40775E-05	4.5842E-05	0.073359407	2.01572E-06	7.68755E-05	0.000299461	0.001353084	0
2108 Dec	0.097304441	1.00852E-05	1.122108579	1.794086695	0.015270025	0.000452069	4.066669464	0.001042159	0.010827804	8.02906E-05	7.40095E-05	4.58625E-05	0.073414855	2.01704E-06	7.69502E-05	0.000299463	0.001353446	0
2109 Jan	0.09746033	1.00864E-05	1.123401403	1.797575474	0.015365593	0.00045214	4.07174015	0.001043065	0.010831323	8.07156E-05	7.40605E-05	4.59083E-05	0.073547438	2.01728E-06	7.69792E-05	0.000300356	0.001353542	0
2109 Feb	0.097687311	1.00896E-05	1.125297189	1.802496672	0.015501786	0.000452173	4.078907013	0.001044482	0.010837007	8.1353E-05	7.41949E-05	4.59819E-05	0.073735252	2.01793E-06	7.70197E-05	0.000301701	0.001354131	0
2109 Mar	0.097971447	1.0108E-05	1.128178239	1.808138847	0.01560147	0.000452933	4.089511395	0.001046969	0.010857902	8.1834E-05	7.43901E-05	4.60976E-05	0.07395871	2.02159E-06	7.71682E-05	0.00030293	0.001356676	0
2109 Apr	0.098961316	1.01992E-05	1.139191031	1.826800942	0.015812878	0.000456962	4.129590034	0.001057005	0.010957142	8.29015E-05	7.51213E-05	4.65456E-05	0.074714817	2.03985E-06	7.78736E-05	0.000306336	0.00136901	0
2109 May	0.147268727	1.01583E-05	1.492536426	2.844588518	0.050048042	0.000362694	5.369606018	0.001329527	0.011176297	0.000399186	0.000132001	7.68878E-05	0.112937801	2.03165E-06	7.69229E-05	0.000667921	0.001540742	0
2109 Jun	0.191982567	1.01699E-05	1.796511054	3.727343082	0.083174169	0.000211746	6.315371037	0.001591908	0.011131578	0.000710856	0.000215218	0.000106144	0.145866886	2.03397E-06	7.16878E-05	0.001054612	0.001848549	0
2109 Jul	0.159485817	1.03718E-05	1.513574719	2.922224283	0.058697812	0.000205125	5.29315567	0.001394867	0.010640469	0.000503303	0.000179663	8.54587E-05	0.115334339	2.07435E-06	6.56819E-05	0.000764622	0.001735766	0
2109 Aug	0.136473462	1.06427E-05	1.331475616	2.372650385	0.040156625	0.000229255	4.703808784	0.001257036	0.010356906	0.00034599	0.000132908	7.13589E-05	0.094910212	2.12854E-06	6.25432E-05	0.000504776	0.00155975	0
2109 Sep	0.118757688	1.03004E-05	1.248929381	2.141722679	0.029449213	0.000340116	4.498387814	0.001157189	0.010403614	0.000231076	9.30343E-05	6.11435E-05	0.086662844	2.06007E-06	6.84178E-05	0.000387021	0.001388292	0
2109 Oct	0.100739419	9.76983E-06	1.142635226	1.897167563	0.017091593	0.000474862	4.258561134	0.001029094	0.010738491	0.000100895	4.7507E-05	4.68394E-05	0.077151924	1.95397E-06	7.75558E-05	0.000269032	0.00117773	0
2109 Nov	0.100315191	9.80147E-06	1.143621922	1.894673347	0.016466156	0.000485818	4.271451473	0.0010281	0.010826734	9.38212E-05	4.51155E-05	4.62931E-05	0.077077113	1.96029E-06	7.85865E-05	0.00026369	0.00117283	0
2109 Dec	0.10039153	9.81019E-06	1.144592166	1.896209002	0.016469108	0.000486411	4.275233269	0.00102894	0.010837277	9.37777E-05	4.5112E-05	4.63224E-05	0.077140056	1.96204E-06	7.86697E-05	0.000263818	0.001173724	0
2110 Jan	0.100553021	9.81387E-06	1.14600718	1.899703741	0.016558368	0.00048655	4.28059864	0.001030017	0.010842984	9.41721E-05	4.52011E-05	4.63743E-05	0.077274211	1.96277E-06	7.87124E-05	0.000264729	0.001174286	0
2110 Feb	0.100771807	9.81834E-06	1.147880793	1.904393077	0.016683357	0.000486639	4.287632465	0.001031453	0.010849723	9.47578E-05	4.5339E-05	4.64477E-05	0.077453949	1.96367E-06	7.87601E-05	0.000265995	0.001175053	0
2110 Mar	0.10099683	9.83104E-06	1.150105357	1.908949256	0.016769191	0.000487197	4.295961857	0.001033317	0.010864747	9.51773E-05	4.54619E-05	4.65363E-05	0.077633247	1.96621E-06	7.88684E-05	0.000266965	0.0011767	0
2110 Apr	0.10160055	9.88453E-06	1.156786442	1.920533776	0.016897229	0.000489806	4.32092905	0.001039242	0.010924424	9.58652E-05	4.5746E-05	4.68059E-05	0.07810092	1.97691E-06	7.93012E-05	0.000268777	0.001183175	0
2110 May	0.119354159	1.00269E-05	1.291692972	2.287033558	0.028926628	0.000458406	4.780976295	0.001149022	0.011134023	0.000206155	6.99073E-05	5.79543E-05	0.091951653	2.00538E-06	7.97196E-05	0.000403111	0.001280791	0
2110 Jun	0.146547109	9.73756E-06	1.406027913	2.691770077	0.055952799	0.000169099	4.756924152	0.001323473	0.009992396	0.000469157	0.000209673	7.98647E-05	0.106297903	1.94751E-06	6.17037E-05	0.00081431	0.001855296	0
2110 Jul	0.128104433	1.02515E-05	1.252163529	2.203026772	0.040525448	0.000166337	4.163546562	0.001233274	0.010009419	0.000336554	0.000198378	6.78992E-05	0.087921679	2.0503E-06	5.96249E-05	0.000650434	0.001879271	0
2110 Aug	0.092538588	9.94499E-06	1.084895372	1.652782321	0.018254414	0.000310391	3.816524267	0.00103377	0.008966034	0.000128091	7.51076E-05	5.44008E-05	0.069578432	1.989E-06	5.75727E-05	0.00022644	0.001298244	0
2110 Sep	0.089072891	9.74479E-06	1.091618061	1.694238901	0.013790919	0.000439997	3.988449097	0.000998442	0.009779915	7.02027E-05	4.37012E-05	4.77902E-05	0.070842505	1.94896E-06	6.9473E-05	0.000196906	0.001164821	0
2110 Oct	0.091840059	9.67665E-06	1.099779606	1.766072392	0.011703711	0.000518376	4.133776188	0.00098358	0.01070136	4.50238E-05	3.01519E-05	4.22775E-05	0.072530285	1.93533E-06	7.93446E-05	0.00020657	0.001109013	0
2110 Nov	0.091743253	9.64404E-06	1.096999049	1.765859604	0.011451248	0.000523673	4.13309288	0.000979247	0.010747299	4.23614E-05	2.8805E-05	4.1667E-05	0.072423697	1.92881E-06	7.99463E-05	0.000206186	0.001100767	0
2110 Dec	0.091816731	9.6515E-06	1.097858787	1.76729548	0.011457189	0.000524217	4.13645792	0.000979991	0.01075667	4.23601E-05	2.88108E-05	4.16931E-05	0.072481364	1.9303E-06	8.00193E-05	0.000206347	0.001101559	0
2111 Jan	0.092011161	9.65362E-06	1.099442363	1.771504998	0.011576791	0.000524152	4.142429352	0.000981168	0.010761013	4.29216E-05	2.89368E-05	4.1754E-05	0.072641253	1.93072E-06	8.00498E-05	0.000207546	0.001102043	0
2111 Feb	0.092257693	9.65498E-06	1.101400137	1.776870489	0.01173701	0.000524013	4.149764538	0.000982606	0.010764811	4.3683E-05	2.91081E-05	4.18318E-05	0.072844617	1.931E-06	8.00742E-05	0.000209125	0.001102547	0
2111 Mar	0.092622437	9.67973E-06	1.105213642	1.784234166	0.011854147	0.000525239	4.164109707	0.000985839	0.010793663	4.42097E-05	2.92745E-05	4.19785E-05	0.07313738	1.93595E-06	8.02868E-05	0.000210513	0.001105565	0
2111 Apr	0.093625173	9.77682E-06	1.116868138	1.803744912	0.012023096	0.00053044	4.208007813	0.000996138	0.010902646	4.48915E-05	2.96209E-05	4.24222E-05	0.073931918	1.95536E-06	8.10962E-05	0.000213114	0.001116764	0
2111 May	0.12694709	9.96265E-06	1.361688256	2.482850552	0.035012182	0.000458791	5.033977985	0.001196715	0.01118004	0.000257717	7.70221E-05	6.34014E-05	0.099490188	1.99253E-06	8.06478E-05	0.000469065	0.001298413	0
2111 Jun	0.171960235	9.8485E-06	1.622213602	3.280970097	0.0717384	0.000191292	5.631063461	0.001466851	0.010519627	0.000609977	0.000210164	9.47427E-05	0.128766775	1.9697E-06	6.67055E-05	0.000948772	0.001823818	0
2111 Jul	0.164293587	1.06233E-05	1.568481922	3.034954309	0.063185193	0.000192767	5.368184566	0.001460231	0.010952925	0.000533865	0.000218194	8.94461E-05	0.119727485	2.12465E-06	6.78581E-05	0.000883101	0.001959269	0
2111 Aug	0.114384152	1.01446E-05	1.243022561	2.095278025	0.031914674	0.000288673	4.357103348	0.001164256	0.009557228	0.000250475	0.00010957	6.56248E-05	0.085878454	2.02893E-06	6.11837E-05	0.000409259	0.001453959	0
2111 Sep	0.097901613	1.00624E-05	1.185594201	1.882171631	0.022063127	0.00038521	4.225171089	0.001090979	0.009468036	0.000145851	6.84075E-05	5.87378E-05	0.078919321	2.01248E-06	6.48804E-05	0.000273734	0.001291675	0
2111 Oct	0.094599664	9.74585E-06	1.134221554	1.823649168	0.016636569	0.000458922	4.166720867	0.001025425	0.010118837	9.27771E-05	4.68913E-05	4.93163E-05	0.075472794	1.94917E-06	7.28883E-05	0.000241791	0.001178721	0
2111 Nov	0.093539253	9.6559E-06	1.11689198	1.805504322	0.014294269	0.000493582	4.160070419	0.001001447	0.010451706	6.9539E-05	3.75921E-05	4.54055E-05	0.074283689	1.93118E-06	7.67427E-05	0.000228338	0.001134746	0
2111 Dec	0.093630545	9.66597E-06	1.117895484	1.807317495	0.014260601	0.00049494	4.165048122	0.001002167	0.010471755	6.91159E-05	3.74367E-05	4.53774E-05	0.074349061	1.93319E-06	7.69202E-05	0.000228317	0.001135203	0
2112 Jan	0.093853183	9.66808E-06	1.119687319	1.812146664	0.014396264	0.000494952	4.171888351	0.00100348	0.010476986	6.97323E-05	3.75689E-05	4.54414E-05	0.074531689	1.93362E-06	7.69587E-05	0.000229684	0.001135673	0
2112 Feb	0.094170384	9.67235E-06	1.122305274	1.81898725	0.014588141	0.000494949	4.181731224	0.001005447	0.010484642	7.06346E-05	3.77752E-05	4.55433E-05	0.074792258	1.93447E-06	7.70118E-05	0.000231606	0.001136556	0
2112 Mar	0.094603702	9.70147E-06	1.12683773	1.82774508	0.014732854	0.000496319	4.198667049	0.001009301	0.010517852	7.13207E-05	3.7992E-05	4.57249E-05	0.075141124	1.94029E-06	7.7254E-05	0.000233292	0.001140184	0
2112 Apr	0.095507801	9.78554E-06	1.137251496	1.845430017	0.014917227	0.000500553	4.237496853	0.001018513	0.010609923	7.22051E-05	3.83792E-05	4.61462E-05	0.075861856	1.95711E-06	7.79293E-05	0.00023587	0.001150181	0
2112 May	0.137865633	9.94894E-06	1.443338275	2.709090233	0.044069905	0.00041198	5.279187202	0.001266748	0.010977984	0.000342405	9.74743E-05	7.21769E-05	0.108211264	1.98979E-06	7.76962E-05	0.0005626	0.001368691	0
2112 Jun	0.143413723	9.43047E-06	1.371474743	2.634495974	0.055563763	0.000153201	4.62509203	0.001292432	0.009639463	0.000467226	0.000208687	7.86064E-05	0.103992105	1.88609E-06	5.91385E-05	0.000807366	0.001820638	0
2112 Jul	0.118485458	1.00708E-05	1.168555617	1.990663409	0.035769816	0.000147535	3.805610657	0.001177637	0.009668361	0.000293373	0.000203894	6.28691E-05	0.079778902	2.01417E-06	5.67566E-05	0.000620741	0.001905481	0
2112 Aug	0.11570318	1.05027E-05	1.205045938	1.991718292	0.032512981	0.000208395	3.997731924	0.001194747	0.009896626	0.000257165	0.000177215	6.3798E-05	0.080975547	2.10054E-06	5.99922E-05	0.000541157	0.001829086	0
2112 Sep	0.106029794	1.03716E-05	1.187391162	1.91020155	0.026188277	0.000302207	4.063672543	0.001142992	0.009875989	0.000189457	0.000129463	5.97855E-05	0.078775711	2.07431E-06	6.39425E-05	0.00041882	0.001609774	0
2112 Oct	0.102939829	1.01815E-05	1.168138385	1.887814999	0.022440881	0.000366477	4.107019424	0.001101806	0.010188011	0.000151356	0.00010244	5.48719E-05	0.077618659	2.03629E-06	6.89997E-05	0.000366982	0.001474008	0
2112 Nov	0.102716394	1.018E-05	1.168376803	1.889675617	0.021854715	0.000378814	4.127191544	0.001098027	0.01027391	0.00014516	9.80468E-05	5.41837E-05	0.077654347	2.03599E-06	7.00943E-05	0.000359058	0.001454923	0
2112 Dec	0.102792412	1.01882E-05	1.169335961	1.891275287	0.021852657	0.000379539	4.131231308	0.001098794	0.010285178	0.000145069	9.79783E-05	5.42046E-05	0.077718712	2.03764E-06	7.01884E-05	0.000359082	0.001455465	0
2113 Jan	0.102918707	1.01889E-05	1.170373797	1.894139767	0.021927649	0.000379669	4.135442257	0.001099489	0.01028855	0.000145368	9.79943E-05	5.42344E-05	0.077826768	2.03777E-06	7.0219E-05	0.000359781	0.001455403	0
2113 Feb	0.103119925	1.01924E-05	1.172079325	1.898482919	0.022044033	0.000379753	4.141905785	0.001100775	0.01029445	0.000145908	9.81094E-05	5.42994E-05	0.077992789	2.03849E-06	7.02618E-05	0.000360944	0.001455992	0
2113 Mar	0.103678934	1.02388E-05	1.178114772	1.909124017	0.022203691	0.000381451	4.163473129	0.00110627	0.010342489	0.000146838	9.85995E-05	5.45714E-05	0.078423142	2.04775E-06	7.0591E-05	0.000363152	0.001462652	0
2113 Apr	0.10461399	1.0326E-05	1.188557267	1.926542401	0.022426978	0.000384685	4.20051384	0.001115976	0.010431309	0.000148242	9.94648E-05	5.50507E-05	0.079134755	2.06519E-06	7.1198E-05	0.000366571	0.001475136	0
2113 May	0.143956482	1.03218E-05	1.476869226	2.759932756	0.049155712	0.000331043	5.244471073	0.001333118	0.01084767	0.000394067	0.000140066	7.82287E-05	0.110272571	2.06436E-06	7.296E-05	0.000652594	0.001595376	0
2113 Jun	0.173074663	9.85653E-06	1.630837202	3.302832603	0.072766043	0.000183871	5.6512146	0.001475491	0.010482875	0.000619625	0.000213499	9.58196E-05	0.129633456	1.97131E-06	6.61762E-05	0.000960238	0.001837764	0
2113 Jul	0.154983684	1.03686E-05	1.477500558	2.818480015	0.056808248	0.000188842	5.098766327	0.00137938	0.010513003	0.000484598	0.000191965	8.35794E-05	0.111414686	2.07372E-06	6.42744E-05	0.000771086	0.001806912	0
2113 Aug	0.141863644	1.06733E-05	1.402743578	2.544331074	0.046184447	0.000229324	4.883044243	0.001317957	0.010459762	0.000389336	0.00015817	7.69549E-05	0.101771355	2.13465E-06	6.42467E-05	0.000611095	0.001692182	0
2113 Sep	0.12047296	1.03047E-05	1.28926754	2.228397846	0.032723241	0.000341596	4.591284275	0.001190717	0.010357773	0.000252693	0.000106293	6.4732E-05	0.09038654	2.06094E-06	6.88326E-05	0.000441791	0.001459702	0
2113 Oct	0.101514205	9.73929E-06	1.156159997	1.930664063	0.018521553	0.000472109	4.288486004	0.001039978	0.010683803	0.000111555	5.24319E-05	4.82601E-05	0.078551732	1.94786E-06	7.7351E-05	0.000290157	0.001199533	0
2113 Nov	0.099390075	9.75412E-06	1.146231651	1.900663733	0.016285673	0.000499512	4.283934116	0.001025898	0.010858121	8.85671E-05	4.38462E-05	4.59876E-05	0.077384144	1.95082E-06	7.96512E-05	0.000267244	0.001168877	0
2113 Dec	0.099471837	9.76391E-06	1.147289157	1.902308345	0.016284231	0.00050022	4.288138866	0.001026805	0.010870239	8.84745E-05	4.38227E-05	4.60154E-05	0.077451557	1.95278E-06	7.9748E-05	0.000267328	0.001169797	0
2114 Jan	0.09966217	9.76646E-06	1.148878455	1.906458378	0.016398484	0.000500266	4.294175148	0.001027983	0.010875103	8.89836E-05	4.39316E-05	4.60738E-05	0.077609733	1.95329E-06	7.97838E-05	0.000268464	0.001170263	0
2114 Feb	0.09990795	9.76816E-06	1.150853753	1.911819339	0.016556298	0.000500165	4.301597118	0.001029435	0.010879293	8.97204E-05	4.4095E-05	4.61508E-05	0.077813245	1.95363E-06	7.9812E-05	0.000270017	0.001170772	0
2114 Mar	0.100271448	9.7915E-06	1.154573321	1.919134378	0.016680498	0.000501258	4.31552124	0.00103259	0.010906544	9.03288E-05	4.42854E-05	4.62988E-05	0.078102961	1.9583E-06	8.00105E-05	0.000271485	0.001173736	0
2114 Apr	0.100950524	9.85082E-06	1.162124395	1.932337403	0.016830117	0.000504236	4.343758106	0.001039245	0.01097334	9.11021E-05	4.46025E-05	4.6601E-05	0.078635685	1.97016E-06	8.04997E-05	0.000273601	0.001180943	0
2114 May	0.151347443	9.87595E-06	1.524723887	2.970866203	0.053070407	0.000381316	5.562560558	0.001331692	0.011127802	0.000427616	0.000117184	7.89244E-05	0.117615275	1.97519E-06	7.79141E-05	0.000672527	0.001430258	0
2114 Jun	0.188678652	1.01395E-05	1.769819021	3.656074524	0.081025586	0.000214094	6.218263626	0.00157154	0.011076134	0.000691649	0.000212267	0.000104125	0.143154263	2.02789E-06	7.1362E-05	0.001032451	0.001837181	0
2114 Jul	0.179763868	1.08726E-05	1.701376081	3.377017975	0.071141839	0.000218349	5.935486794	0.001548206	0.01143646	0.000606646	0.000209774	9.7762E-05	0.132839546	2.17452E-06	7.19028E-05	0.00093256	0.001913787	0
2114 Aug	0.179123983	1.15803E-05	1.730223298	3.348427057	0.067509919	0.000253202	6.052484035	0.001580933	0.011921739	0.000571682	0.000200327	9.7984E-05	0.132498667	2.31607E-06	7.51456E-05	0.000877218	0.001944353	0
2114 Sep	0.133613124	1.06539E-05	1.423864961	2.549839973	0.040055737	0.000380559	5.099446774	0.001289569	0.011036722	0.000310074	0.000114242	7.22549E-05	0.102860391	2.13078E-06	7.52247E-05	0.000531821	0.001525492	0
2114 Oct	0.113138467	1.00878E-05	1.260531902	2.172042847	0.025764206	0.000461068	4.63343811	0.001130297	0.010979507	0.000175567	6.97438E-05	5.62716E-05	0.088002205	2.01756E-06	7.87084E-05	0.000373305	0.00130006	0
2114 Nov	0.103290595	9.80704E-06	1.18151021	1.990028143	0.018977085	0.000498159	4.405929565	0.001053513	0.010934206	0.000111805	4.86973E-05	4.86559E-05	0.08084444	1.96141E-06	8.02095E-05	0.00029785	0.001192139	0
2114 Dec	0.103077501	9.8073E-06	1.180125356	1.986159205	0.018782556	0.000499768	4.402850151	0.001052084	0.010942764	0.000109917	4.80866E-05	4.84631E-05	0.08069478	1.96146E-06	8.03292E-05	0.000295765	0.001189874	0
2115 Jan	0.103305362	9.8104E-06	1.182026029	1.991120577	0.018918483	0.000499831	4.410091877	0.001053491	0.010948678	0.000110504	4.82117E-05	4.85305E-05	0.080883816	1.96208E-06	8.03728E-05	0.00029711	0.001190409	0
2115 Feb	0.103620633	9.81405E-06	1.184614539	1.997951627	0.019112952	0.000499791	4.419823647	0.001055422	0.010955555	0.000111407	4.84156E-05	4.86308E-05	0.081143953	1.96281E-06	8.04202E-05	0.000299037	0.001191208	0
2115 Mar	0.10390085	9.82625E-06	1.187262416	2.00376606	0.019239198	0.00050029	4.429743767	0.001057576	0.010970715	0.000112017	4.85774E-05	4.87363E-05	0.081370637	1.96525E-06	8.05297E-05	0.000300403	0.001192883	0

Appendix D.2-15: D4

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.104850724	9.90787E-06	1.197798133	2.022320509	0.019457813	0.000504374	4.469076633	0.001066843	0.011062718	0.000113218	4.90393E-05	4.91669E-05	0.08211869	1.98157E-06	8.12041E-05	0.000303468	0.001202903	0
2115 May	0.162302539	9.9297E-06	1.60866487	3.202000618	0.060730118	0.000361841	5.849485397	0.001398725	0.011226948	0.000497348	0.0001319	8.59353E-05	0.126359791	1.98594E-06	7.80527E-05	0.000757342	0.001486134	0
2115 Jun	0.206051111	1.0413E-05	1.929032445	4.062315941	0.090462595	0.000252566	6.877889156	0.001677583	0.01169394	0.00077339	0.000207046	0.000113726	0.15878506	2.0826E-06	7.71307E-05	0.001107738	0.001813132	0
2115 Jul	0.190738827	1.09061E-05	1.797394514	3.641033173	0.076616563	0.000253171	6.402279377	0.001597296	0.01172586	0.000657452	0.000188584	0.000103349	0.142953977	2.18123E-06	7.52046E-05	0.000940768	0.00178991	0
2115 Aug	0.128260672	1.02415E-05	1.360158086	2.41313386	0.039697707	0.000310606	4.857848167	0.001238424	0.009928192	0.000320667	0.000103204	7.30599E-05	0.097966269	2.0483E-06	6.46788E-05	0.000464837	0.001407272	0
2115 Sep	0.107772917	1.01909E-05	1.267219663	2.094113111	0.027976569	0.000383766	4.544448376	0.001150131	0.009640847	0.000200552	7.03643E-05	6.48208E-05	0.087066837	2.03819E-06	6.59083E-05	0.000320213	0.001293288	0
2115 Oct	0.105127268	1.01077E-05	1.237635612	2.041158676	0.024497362	0.000421204	4.490181446	0.001117764	0.009987328	0.00016651	6.07784E-05	5.97933E-05	0.084539905	2.02155E-06	6.9943E-05	0.000298834	0.001252864	0
2115 Nov	0.101326875	9.94477E-06	1.194995642	1.965559959	0.020290403	0.000461672	4.396707535	0.00107277	0.010319532	0.000125847	4.92439E-05	5.35758E-05	0.081029728	1.98895E-06	7.41265E-05	0.000271776	0.001197659	0
2115 Dec	0.101215839	9.94678E-06	1.193833947	1.963294387	0.020059822	0.000464657	4.396248341	0.001071325	0.01035169	0.000123536	4.86048E-05	5.32644E-05	0.080912977	1.98936E-06	7.44656E-05	0.000270449	0.001195748	0
2116 Jan	0.101468369	9.94962E-06	1.195872545	1.968767047	0.020207105	0.000464781	4.404137135	0.001072809	0.010359041	0.000124154	4.87396E-05	5.3328E-05	0.081119187	1.98992E-06	7.45229E-05	0.000271974	0.001196283	0
2116 Feb	0.101852104	9.95649E-06	1.199106455	1.977000833	0.020429531	0.0004649	4.416316032	0.001075267	0.010370217	0.00012519	4.89809E-05	5.3452E-05	0.081433699	1.9913E-06	7.46021E-05	0.000274228	0.001197518	0
2116 Mar	0.102157541	9.96972E-06	1.202005506	1.983355761	0.020569727	0.000465408	4.427139282	0.001077626	0.010386176	0.000125871	4.91586E-05	5.35704E-05	0.081682079	1.99394E-06	7.47164E-05	0.000275713	0.001199331	0
2116 Apr	0.103041984	1.00467E-05	1.212022305	2.000765324	0.020791989	0.000468942	4.464113235	0.001086472	0.010467625	0.000127132	4.96014E-05	5.40107E-05	0.08239159	2.00935E-06	7.53019E-05	0.000278471	0.001208719	0
2116 May	0.144709066	1.01043E-05	1.505294085	2.850289106	0.049389336	0.000385122	5.470641136	0.001321545	0.010868973	0.000392208	0.000107652	7.86014E-05	0.113962069	2.02087E-06	7.56939E-05	0.00060613	0.001414711	0
2116 Jun	0.154642507	9.50586E-06	1.468256116	2.894235134	0.062414192	0.000164266	5.01693058	0.001357046	0.009888641	0.00052826	0.000208382	8.52069E-05	0.113927454	1.90117E-06	6.14504E-05	0.000864319	0.001806856	0
2116 Jul	0.143652037	1.04221E-05	1.390821695	2.562855244	0.051490933	0.000162511	4.627020836	0.001343621	0.010385858	0.000429121	0.000224021	7.80066E-05	0.101696461	2.08443E-06	6.2687E-05	0.000793835	0.002003937	0
2116 Aug	0.140709475	1.0934E-05	1.418928385	2.537807941	0.047705647	0.000214798	4.767888069	0.00136194	0.010678621	0.000389162	0.000203547	7.83061E-05	0.101780176	2.1868E-06	6.58255E-05	0.000720463	0.001966524	0
2116 Sep	0.114873223	1.02714E-05	1.26203692	2.147368908	0.029811913	0.000368133	4.454115868	0.001172215	0.010532249	0.000216171	0.000114344	6.11321E-05	0.087305166	2.05428E-06	7.17207E-05	0.000455825	0.001524254	0
2116 Oct	0.101011984	9.87007E-06	1.164001226	1.931776524	0.01763377	0.000491469	4.311440468	0.001047753	0.010917014	9.90616E-05	5.43451E-05	4.7586E-05	0.078670733	1.97401E-06	7.97182E-05	0.000295856	0.001231714	0
2116 Nov	0.100533701	9.89816E-06	1.163239121	1.926199436	0.016806835	0.00050352	4.324913502	0.001044442	0.011008887	9.0708E-05	5.01897E-05	4.6837E-05	0.078457512	1.97963E-06	8.07741E-05	0.000285459	0.001217203	0
2116 Dec	0.100550391	9.9009E-06	1.163501143	1.926569939	0.016798859	0.000503811	4.326120377	0.00104464	0.011012793	9.06089E-05	5.0142E-05	4.68373E-05	0.078472808	1.98018E-06	8.08082E-05	0.000285376	0.001217282	0
2117 Jan	0.100702904	9.90179E-06	1.164729118	1.929928064	0.016895657	0.000503789	4.330825806	0.001045521	0.01101557	9.10388E-05	5.02225E-05	4.68816E-05	0.078600101	1.98036E-06	8.08288E-05	0.000286308	0.001217484	0
2117 Feb	0.100909866	9.90261E-06	1.16636765	1.934458375	0.017031416	0.000503671	4.337000847	0.00104671	0.011018488	9.16722E-05	5.03574E-05	4.69453E-05	0.078771725	1.98052E-06	8.0848E-05	0.000287629	0.001217825	0
2117 Mar	0.101187423	9.91919E-06	1.169163823	1.940087199	0.017133402	0.000504427	4.347442627	0.001049066	0.011038032	9.21679E-05	5.05132E-05	4.70567E-05	0.078993894	1.98384E-06	8.09902E-05	0.00028882	0.001219996	0
2117 Apr	0.102267519	1.00189E-05	1.181406856	1.960973024	0.017347977	0.00050945	4.392992973	0.001059963	0.011149669	9.32917E-05	5.10623E-05	4.75488E-05	0.079840258	2.00379E-06	8.18086E-05	0.000292132	0.00123234	0
2117 May	0.145329565	1.01068E-05	1.493627191	2.846473694	0.04776765	0.00041121	5.45323658	0.001311249	0.011357956	0.000375747	0.000110275	7.4916E-05	0.113112241	2.02136E-06	8.02275E-05	0.00062383	0.001438854	0
2117 Jun	0.185971469	1.01617E-05	1.75429225	3.606384039	0.078868754	0.000228325	6.175555229	0.001557082	0.011120675	0.00067076	0.000206155	0.000102311	0.141334131	2.03233E-06	7.21552E-05	0.001007314	0.001816844	0
2117 Jul	0.174951971	1.07719E-05	1.66272366	3.280676603	0.067671299	0.000231107	5.833191872	0.00151041	0.011327968	0.00057659	0.000195075	9.45633E-05	0.129187077	2.15438E-06	7.15639E-05	0.00087789	0.00183772	0
2117 Aug	0.156869397	1.09342E-05	1.554939628	2.921497583	0.055178504	0.000269707	5.477197647	0.001422882	0.011048674	0.000462229	0.000160998	8.613E-05	0.116444647	2.18684E-06	7.02459E-05	0.000702905	0.001717659	0
2117 Sep	0.143435106	1.08485E-05	1.479588389	2.697411537	0.046070699	0.00033146	5.262087822	0.001348092	0.011042445	0.000372365	0.000132372	7.82812E-05	0.108319566	2.16969E-06	7.27726E-05	0.000593194	0.001603963	0
2117 Oct	0.123076923	1.03452E-05	1.328038931	2.336202383	0.031990334	0.000419688	4.832657814	0.001198104	0.01103873	0.000237202	8.86959E-05	6.29318E-05	0.094266079	2.06904E-06	7.69719E-05	0.000439588	0.00139207	0
2117 Nov	0.118641272	1.02382E-05	1.295148849	2.257498026	0.028905753	0.000439168	4.739728928	0.001165539	0.011041196	0.000207576	7.91356E-05	5.95805E-05	0.091205493	2.04764E-06	7.7915E-05	0.000405956	0.001346015	0
2117 Dec	0.11847192	1.02389E-05	1.294165611	2.254591227	0.02875285	0.00044054	4.737656593	0.001164489	0.011048566	0.000206062	7.86553E-05	5.94329E-05	0.09109471	2.04779E-06	7.80185E-05	0.000404348	0.001344334	0
2118 Jan	0.11866378	1.02405E-05	1.295765758	2.258913279	0.028869381	0.000440672	4.743944168	0.001165607	0.011053406	0.000206466	7.87207E-05	5.94765E-05	0.091258653	2.04809E-06	7.806E-05	0.000405474	0.001344488	0
2118 Feb	0.118957579	1.02428E-05	1.298155069	2.265355587	0.029054627	0.00044063	4.753005505	0.001167351	0.011059148	0.000207284	7.88961E-05	5.95637E-05	0.091503337	2.04856E-06	7.81014E-05	0.000407292	0.001345049	0
2118 Mar	0.119202465	1.02514E-05	1.300381899	2.27048111	0.029176353	0.000440921	4.761329174	0.001169132	0.011070146	0.000207878	7.90479E-05	5.96536E-05	0.091701902	2.05027E-06	7.81796E-05	0.000408573	0.001346312	0
2118 Apr	0.12867482	1.03036E-05	1.376577854	2.479052305	0.03526523	0.000438425	5.050734997	0.001224184	0.011233174	0.00023458	8.46824E-05	6.24024E-05	0.09961012	2.06072E-06	7.93611E-05	0.000468013	0.001361562	0
2118 May	0.185350344	1.00539E-05	1.780202627	3.674409866	0.076640859	0.00031215	6.442965984	0.001536206	0.011343252	0.000605642	0.000159382	9.68091E-05	0.144257963	2.01079E-06	7.71076E-05	0.00091967	0.001581762	0
2118 Jun	0.179767534	9.73981E-06	1.677715659	3.453992605	0.077636167	0.000176565	5.836408615	0.001505217	0.01048545	0.000662266	0.000216848	9.9432E-05	0.135224417	1.94796E-06	6.62851E-05	0.001006697	0.001828071	0
2118 Jul	0.176958814	1.0623E-05	1.666861176	3.314219475	0.071566768	0.000185669	5.748454094	0.001528966	0.011094221	0.000608564	0.000224144	9.68136E-05	0.130274504	2.1246E-06	6.88342E-05	0.000960198	0.001962593	0
2118 Aug	0.135552943	1.03912E-05	1.420909286	2.563390732	0.046056226	0.000280042	4.962362766	0.001306766	0.010100297	0.000370984	0.000141843	7.82823E-05	0.103629619	2.07825E-06	6.51714E-05	0.000591414	0.001608874	0
2118 Sep	0.103679292	9.79738E-06	1.200792789	2.009537697	0.02295568	0.000440282	4.382479191	0.001081455	0.010238579	0.000149274	6.29741E-05	5.47364E-05	0.082416274	1.95948E-06	7.31947E-05	0.000321091	0.001246312	0
2118 Oct	0.097133666	9.63148E-06	1.138872385	1.882325768	0.015948521	0.000504222	4.259436607	0.001014467	0.010681502	8.28787E-05	3.94939E-05	4.58367E-05	0.076896667	1.9263E-06	7.89488E-05	0.000256512	0.001139718	0
2118 Nov	0.096494988	9.63759E-06	1.13365674	1.869874716	0.015039634	0.000514109	4.254139423	0.001008324	0.010768854	7.40844E-05	3.64653E-05	4.47772E-05	0.076351792	1.92752E-06	7.99209E-05	0.000248336	0.001128829	0
2118 Dec	0.096565537	9.64567E-06	1.134520292	1.871240497	0.015038985	0.000514675	4.257582188	0.001009071	0.010779009	7.40191E-05	3.64522E-05	4.47991E-05	0.07640709	1.92913E-06	8.00009E-05	0.000248423	0.00112961	0
2119 Jan	0.096766539	9.6488E-06	1.136196852	1.875571728	0.015157235	0.000514724	4.263925552	0.001010331	0.010784504	7.45597E-05	3.65735E-05	4.4862E-05	0.076572187	1.92976E-06	8.00402E-05	0.000249611	0.001130179	0
2119 Feb	0.097041644	9.65306E-06	1.138492703	1.881491423	0.015321444	0.000514745	4.272540569	0.001012069	0.01079156	7.53338E-05	3.67525E-05	4.49522E-05	0.076798201	1.93061E-06	8.0089E-05	0.000251256	0.001131007	0
2119 Mar	0.097457029	9.68172E-06	1.142855287	1.889866233	0.015453226	0.00051616	4.288912296	0.00101578	0.01082485	7.59635E-05	3.69509E-05	4.51243E-05	0.07713148	1.93634E-06	8.03341E-05	0.000252843	0.001134545	0
2119 Apr	0.129068375	9.82053E-06	1.392542601	2.579039097	0.036152475	0.000496774	5.22599268	0.001198236	0.011278762	0.000173317	5.86259E-05	5.49239E-05	0.103230529	1.96411E-06	8.3242E-05	0.000455994	0.001193497	0
2119 May	0.230130419	9.70842E-06	2.113070965	4.66860342	0.108857185	0.000254717	7.681956768	0.001770239	0.011511386	0.000799746	0.000195819	0.000114037	0.181514159	1.94168E-06	7.78799E-05	0.001242911	0.001633193	0
2119 Jun	0.185532451	9.84764E-06	1.731430173	3.588676214	0.080713823	0.000190099	6.057173729	0.001541588	0.010706207	0.00064902	0.000215412	9.85775E-05	0.140420198	1.96953E-06	6.83169E-05	0.001031944	0.001823691	0
2119 Jul	0.173865467	1.0677E-05	1.646839261	3.248210192	0.069621891	0.000188292	5.651486874	0.001519014	0.011122339	0.0005557	0.000227781	9.17159E-05	0.127817541	2.13541E-06	6.9106E-05	0.000953993	0.001995675	0
2119 Aug	0.145843253	1.07215E-05	1.503142238	2.760885715	0.05181523	0.000273059	5.215176105	0.001384289	0.010576994	0.000396074	0.000165532	8.11215E-05	0.111016743	2.1443E-06	6.8048E-05	0.00068655	0.001747639	0
2119 Sep	0.113679089	1.01462E-05	1.293840289	2.206717253	0.030931631	0.000393009	4.622451305	0.001174794	0.01016908	0.000208127	9.10189E-05	6.29965E-05	0.090491764	2.02924E-06	7.05539E-05	0.000412005	0.001395286	0
2119 Oct	0.104319654	9.84541E-06	1.205403805	2.024926901	0.022181541	0.000462191	4.423741817	0.001081652	0.010520853	0.000131226	6.04033E-05	5.24632E-05	0.08279442	1.96908E-06	7.60118E-05	0.000322959	0.00124418	0
2119 Nov	0.101686537	9.76438E-06	1.180731297	1.973715901	0.019717954	0.000481599	4.368144035	0.001055743	0.010620331	0.0001096	5.1854E-05	4.9525E-05	0.080632083	1.95287E-06	7.75425E-05	0.000297878	0.001202345	0
2119 Dec	0.101747043	9.77189E-06	1.181493044	1.974888802	0.019710619	0.000482196	4.371306896	0.001056387	0.010630309	0.000109482	5.1815E-05	4.95385E-05	0.080679365	1.95438E-06	7.76231E-05	0.000297886	0.001202962	0

Appendix D.2-16: CH6

Constituents	**Total Dissolved Solids**	**Ammonia**	**Nitrate**	**Nitrite**	**Chloride**	**Fluoride**	**Sulphate**	**Total Cyanide**	**Weakly Acid Dissociable Cyanide**	**Silver**	**Aluminum**	**Arsenic**	**Boron**	**Barium**	**Beryllium**	**Calcium**	**Cadmium**	**Cobalt**	**Chromium**	**Copper**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	43	0.029	0.0078	0.0010	8.5	0.020	3.1	9.5E-04	9.5E-04	4.8E-06	6.7E-03	1.0E-03	8.4E-03	1.5E-02	4.8E-06	1.3E+01	1.7E-05	2.2E-04	1.5E-04	7.5E-04
Operations (2020-2043): Mean	55	0.047	0.011	0.0010	12	0.028	4.3	1.0E-03	1.0E-03	5.2E-06	7.4E-03	1.2E-03	1.0E-02	2.2E-02	5.2E-06	1.8E+01	1.9E-05	2.7E-04	2.6E-04	9.1E-04
Operations (2020-2043): Max	91	0.070	0.023	0.0011	22	0.031	7.4	1.1E-03	1.1E-03	5.7E-06	8.2E-03	1.9E-03	1.1E-02	4.3E-02	5.7E-06	3.4E+01	2.2E-05	4.6E-04	6.6E-04	1.3E-03
Active Closure (2044-2050): Min	43	0.028	0.008	0.001	8.5	0.026	3.0	9.7E-04	9.7E-04	4.9E-06	7.0E-03	9.9E-04	1.0E-02	1.5E-02	4.9E-06	1.3E+01	1.8E-05	2.1E-04	1.5E-04	7.1E-04
Active Closure (2044-2050): Mean	48	0.040	0.014	0.001	10	0.029	3.7	1.0E-03	1.0E-03	5.2E-06	7.4E-03	1.1E-03	1.1E-02	1.7E-02	5.2E-06	1.5E+01	1.9E-05	2.4E-04	1.8E-04	8.1E-04
Active Closure (2044-2050): Max	55	0.049	0.020	0.001	12	0.031	4.3	1.1E-03	1.1E-03	5.5E-06	7.9E-03	1.2E-03	1.1E-02	2.1E-02	5.5E-06	1.8E+01	2.0E-05	2.7E-04	2.4E-04	8.9E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Post Closure (2051-2119): Min	45	0.038	0.020	0.0012	9.7	0.025	3	8.9E-04	8.9E-04	4.5E-06	6.4E-03	1.0E-03	1.1E-02	1.5E-02	4.7E-06	1.3E+01	1.7E-05	2.2E-04	1.5E-04	7.5E-04
Post Closure (2051-2119): Mean	73	0.068	0.032	0.0014	17	0.031	10	1.0E-03	1.0E-03	5.1E-06	7.3E-03	1.4E-03	2.3E-02	2.5E-02	5.4E-06	2.1E+01	2.0E-05	3.6E-04	3.2E-04	1.0E-03
Post Closure (2051-2119): Max	92	0.084	0.040	0.0017	20	0.035	15	1.2E-03	1.2E-03	5.8E-06	8.2E-03	1.8E-03	3.6E-02	3.3E-02	6.1E-06	2.7E+01	2.3E-05	4.8E-04	4.4E-04	1.2E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2119)																				
2020 Jan	89.98408508	0.069015026	0.022754012	0.001	21.22891617	0.02	7.251337051	0.001	0.001	5E-06	0.006674802	0.001832746	0.008449605	0.041857805	5E-06	33.63108444	2.12997E-05	0.000450064	0.00065014	0.001250166
2020 Feb	89.997612	0.069029748	0.02275794	0.001	21.23275185	0.02	7.252646923	0.001	0.001	5E-06	0.006674609	0.001832988	0.008449218	0.041865453	5E-06	33.63703918	2.12993E-05	0.000450126	0.000650277	0.001250328
2020 Mar	90.01709747	0.069047011	0.022763139	0.001000136	21.23769188	0.020002725	7.254333973	0.001000136	0.001000136	5.00068E-06	0.006675415	0.001833366	0.008450163	0.041875239	5.00068E-06	33.64479828	2.13021E-05	0.000450221	0.000650439	0.001250585
2020 Apr	90.15454102	0.069153719	0.022798046	0.001001619	21.27031136	0.020032376	7.265476227	0.001001619	0.001001619	5.00809E-06	0.006685254	0.001836156	0.008462574	0.041939579	5.00809E-06	33.69643784	2.13336E-05	0.000450907	0.000651444	0.001252486
2020 May	91.40436554	0.070112735	0.023114137	0.001015493	21.56523323	0.020309856	7.366214275	0.001015493	0.001015493	5.07746E-06	0.006777841	0.001861608	0.008579765	0.042521093	5.07746E-06	34.16364288	2.16287E-05	0.000457157	0.000660478	0.001269848
2020 Jun	81.87492371	0.060091015	0.020387009	0.001003523	18.91480827	0.020070462	6.46116209	0.001003523	0.001003523	5.01762E-06	0.006818735	0.001688877	0.008720206	0.037243012	5.01762E-06	30.03997421	2.1558E-05	0.000412805	0.000566974	0.001153576
2020 Jul	79.88300323	0.057338443	0.019722285	0.001024102	18.29201508	0.020728847	6.254572868	0.001024102	0.001024102	5.12051E-06	0.006976141	0.001661645	0.008971854	0.035983924	5.12051E-06	29.06763649	2.18535E-05	0.000403197	0.000541696	0.001136995
2020 Aug	81.86419678	0.058698639	0.020143578	0.001058322	18.7507515	0.021777615	6.417154312	0.001058322	0.001058322	5.29161E-06	0.00718081	0.001707991	0.009290439	0.036828727	5.29161E-06	29.76107979	2.23031E-05	0.000412305	0.00055243	0.001170078
2020 Sep	79.12262726	0.060151793	0.019077701	0.001043166	18.19162941	0.022830464	6.256858826	0.001043166	0.001043166	5.21583E-06	0.007134886	0.001654511	0.009343055	0.035277668	5.21583E-06	28.62274551	2.14982E-05	0.000395696	0.000521959	0.001143658
2020 Oct	75.99069214	0.062989049	0.017804284	0.001025005	17.56049728	0.024070326	6.087157726	0.001025005	0.001025005	5.12503E-06	0.007128286	0.001591986	0.009371201	0.033486366	5.12503E-06	27.30711365	2.07267E-05	0.000376105	0.000486637	0.001116216
2020 Nov	75.07113647	0.063846141	0.017428011	0.00101978	17.37560081	0.024444237	6.037691593	0.00101978	0.00101978	5.0989E-06	0.00712762	0.001573642	0.009381299	0.032958604	5.0989E-06	26.91999245	2.05005E-05	0.000370335	0.000476199	0.001108241
2020 Dec	75.04882813	0.063873611	0.017418221	0.001019683	17.37122917	0.02445605	6.03659153	0.001019683	0.001019683	5.09841E-06	0.007127956	0.0015732	0.009382052	0.032945301	5.09841E-06	26.91036987	2.04951E-05	0.00037019	0.000475927	0.00110807
2021 Jan	75.05131531	0.063883975	0.017418372	0.001019684	17.37216949	0.024458194	6.036973	0.001019684	0.001019684	5.09842E-06	0.007128059	0.001573241	0.00938218	0.032946445	5.09842E-06	26.91139603	2.04945E-05	0.000370195	0.00047594	0.001108118
2021 Feb	75.06591034	0.063896902	0.017422238	0.00101979	17.37585258	0.02446037	6.038232803	0.00101979	0.00101979	5.09895E-06	0.007128701	0.001573526	0.009382941	0.032953728	5.09895E-06	26.91718102	2.04967E-05	0.000370266	0.00047606	0.001108311
2021 Mar	75.09319305	0.063920394	0.017428832	0.001020111	17.38233757	0.024467852	6.040474415	0.001020111	0.001020111	5.10055E-06	0.007130885	0.001574086	0.009385772	0.032966185	5.10055E-06	26.92726707	2.05031E-05	0.0003704	0.000476248	0.001108702
2021 Apr	75.14086151	0.063961133	0.017440047	0.00102073	17.39346695	0.024482584	6.044335842	0.00102073	0.00102073	5.10365E-06	0.007135181	0.001575079	0.009391399	0.032987386	5.10365E-06	26.94453239	2.05156E-05	0.000370635	0.000476559	0.001109399
2021 May	75.89452362	0.064583525	0.017619748	0.001030396	17.568964	0.024704313	6.105001926	0.001030396	0.001030396	5.15198E-06	0.007201943	0.00159074	0.009478414	0.033324294	5.15198E-06	27.21829414	2.07127E-05	0.000374368	0.000481543	0.001120326
2021 Jun	71.0072937	0.057767313	0.016376745	0.001020415	16.15558624	0.023882825	5.606674194	0.001020415	0.001020415	5.10207E-06	0.007179599	0.001500909	0.009463894	0.030697053	5.10207E-06	25.13069344	2.0831E-05	0.00035328	0.000437288	0.001054902
2021 Jul	70.27451324	0.055881184	0.016096806	0.001043447	15.875453	0.024548572	5.515953541	0.001043447	0.001043447	5.21723E-06	0.007319869	0.001498225	0.009681483	0.030161686	5.21723E-06	24.7114296	2.11135E-05	0.000349487	0.000424938	0.001054259
2021 Aug	70.77787781	0.056080118	0.016118282	0.0010636	16.0005722	0.025524369	5.567763329	0.0010636	0.0010636	5.318E-06	0.007407207	0.001517137	0.009882739	0.030322488	5.318E-06	24.85589981	2.10815E-05	0.000350555	0.000424277	0.00106929
2021 Sep	68.36967468	0.057621185	0.015199679	0.001043329	15.54042053	0.026322145	5.436603546	0.001043329	0.001043329	5.21665E-06	0.007314087	0.001467947	0.009868221	0.029008659	5.21665E-06	23.8933754	2.02129E-05	0.000335846	0.000399027	0.00104426
2021 Oct	67.05376434	0.059894495	0.014597582	0.001033987	15.3089819	0.027049344	5.384475231	0.001033987	0.001033987	5.16994E-06	0.007321146	0.00144034	0.009886597	0.028232485	5.16994E-06	23.33846855	1.98189E-05	0.000326902	0.00038316	0.001034379
2021 Nov	67.14073944	0.060125612	0.014602476	0.001035816	15.33191013	0.027140398	5.393841743	0.001035816	0.001035816	5.17908E-06	0.007337349	0.001442238	0.009908871	0.028259227	5.17908E-06	23.36443138	1.98444E-05	0.000327214	0.000383285	0.001036185
2021 Dec	67.16568756	0.060161944	0.01460662	0.001036245	15.33788586	0.027155586	5.396062851	0.001036245	0.001036245	5.18122E-06	0.007340687	0.001442776	0.009913414	0.028268823	5.18122E-06	23.37271881	1.98518E-05	0.000327325	0.000383394	0.001036612
2022 Jan	67.17040253	0.060170855	0.014607525	0.001036279	15.33921909	0.027157543	5.396555424	0.001036279	0.001036279	5.18139E-06	0.007340977	0.001442865	0.009913771	0.028271023	5.18139E-06	23.37454796	1.98522E-05	0.000327344	0.000383426	0.001036685
2022 Feb	67.17623901	0.060176007	0.014609218	0.001036296	15.34076786	0.02715762	5.397078514	0.001036296	0.001036296	5.18148E-06	0.007341027	0.001442973	0.009913776	0.028274177	5.18148E-06	23.37701225	1.98525E-05	0.000327373	0.000383481	0.001036755
2022 Mar	67.19445801	0.060192287	0.014613411	0.001036537	15.345047	0.027163744	5.398571968	0.001036537	0.001036537	5.18269E-06	0.007342699	0.001443354	0.009915999	0.028282227	5.18269E-06	23.38358879	1.98572E-05	0.000327461	0.000383598	0.001037026
2022 Apr	67.53572083	0.060497969	0.014687762	0.001041779	15.42304897	0.027300989	5.426006794	0.001041779	0.001041779	5.20889E-06	0.007379808	0.001450679	0.009966093	0.028426087	5.20889E-06	23.50248528	1.99576E-05	0.000329124	0.000385553	0.001042287
2022 May	68.31763458	0.06119835	0.014857871	0.001053831	15.6016407	0.027616778	5.488833904	0.001053831	0.001053831	5.26916E-06	0.007465177	0.001467473	0.010081371	0.028755287	5.26916E-06	23.77464867	2.01885E-05	0.000332935	0.00039002	0.001054352
2022 Jun	63.79758453	0.054367688	0.013777224	0.00104081	14.27731133	0.026491132	5.015578747	0.00104081	0.00104081	5.204E-06	0.007419133	0.001382677	0.010011497	0.026367234	5.204E-06	21.86212349	2.03613E-05	0.000314171	0.000351071	0.000990712
2022 Jul	54.78191376	0.042234913	0.011604443	0.000986416	11.89454651	0.024819329	4.187724113	0.000986416	0.000986416	4.93208E-06	0.006976022	0.001220633	0.009457672	0.022034934	4.93208E-06	18.31863403	1.91081E-05	0.00027084	0.000281051	0.000874635
2022 Aug	55.82676315	0.042861108	0.011739993	0.001015549	12.14592075	0.02606955	4.284088135	0.001015549	0.001015549	5.07775E-06	0.00711961	0.001251804	0.009746508	0.022423871	5.07775E-06	18.6522541	1.92032E-05	0.000274444	0.000283313	0.00089842
2022 Sep	55.08878708	0.04491841	0.011334722	0.001007751	12.07435799	0.026836416	4.277169704	0.001007751	0.001007751	5.03875E-06	0.00708929	0.001235202	0.009806712	0.021964163	5.03875E-06	18.35470772	1.86722E-05	0.000268755	0.00027299	0.000892839
2022 Oct	54.47589111	0.047301624	0.01098441	0.000999207	12.01343727	0.027356395	4.277357101	0.000999207	0.000999207	4.99603E-06	0.00708881	0.001220022	0.009801647	0.021590969	4.99603E-06	18.10495949	1.83703E-05	0.000263763	0.000264942	0.000889502
2022 Nov	54.60533142	0.047494709	0.011004234	0.001001656	12.04403782	0.027444307	4.28885746	0.001001656	0.001001656	5.00828E-06	0.007107847	0.00122288	0.009827849	0.021638665	5.00828E-06	18.14670372	1.84113E-05	0.000264334	0.000265432	0.000891801
2022 Dec	54.6244812	0.047526143	0.011006943	0.001002021	12.04863739	0.027458128	4.290606499	0.001002021	0.001002021	5.0101E-06	0.007110742	0.001223302	0.009831829	0.021645594	5.0101E-06	18.15283394	1.84173E-05	0.000264416	0.000265499	0.000892147
2023 Jan	54.62956238	0.04753568	0.011008007	0.001002044	12.05010223	0.027459718	4.29114151	0.001002044	0.001002044	5.01022E-06	0.007110955	0.001223394	0.009832059	0.021648079	5.01022E-06	18.15487862	1.84175E-05	0.000264437	0.000265538	0.000892221
2023 Feb	54.63601685	0.047541454	0.011009889	0.001002061	12.05182171	0.027459733	4.291720867	0.001002061	0.001002061	5.01031E-06	0.007111004	0.001223512	0.009832048	0.021651583	5.01031E-06	18.15761185	1.8418E-05	0.000264469	0.0002656	0.000892298
2023 Mar	54.64262009	0.047547285	0.011011536	0.001002127	12.05343914	0.02746129	4.292278767	0.001002127	0.001002127	5.01064E-06	0.007111431	0.001223645	0.009832596	0.021654716	5.01064E-06	18.16012955	1.84192E-05	0.000264501	0.000265649	0.000892391
2023 Apr	54.79866409	0.047683112	0.011043163	0.001004957	12.08795166	0.027538704	4.304558277	0.001004957	0.001004957	5.02479E-06	0.007131492	0.001227131	0.009860311	0.02171685	5.02479E-06	18.21217346	1.84713E-05	0.000265256	0.000266417	0.000894931
2023 May	55.84569931	0.04847594	0.011313039	0.001015872	12.33650017	0.027743496	4.389138222	0.001015872	0.001015872	5.07936E-06	0.007203576	0.001248255	0.009950047	0.022210766	5.07936E-06	18.60762787	1.87085E-05	0.000270509	0.000274217	0.000909234
2023 Jun	56.1341362	0.045902401	0.011767089	0.000995264	12.33217144	0.025815403	4.352049828	0.000995264	0.000995264	4.97632E-06	0.007052842	0.00124444	0.009643271	0.022602113	4.97632E-06	18.83734703	1.89761E-05	0.000275754	0.000287763	0.000895779
2023 Jul	54.28785324	0.042614169	0.011305071	0.000997295	11.7842474	0.025696438	4.161570072	0.000997295	0.000997295	4.98648E-06	0.007048184	0.001215996	0.009643988	0.021634985	4.98648E-06	18.04755211	1.89846E-05	0.000267198	0.000270851	0.000875015
2023 Aug	55.28586578	0.043111015	0.011449926	0.001024814	12.0165205	0.026804999	4.251433849	0.001024814	0.001024814	5.12407E-06	0.007186552	0.001246054	0.00989311	0.02202373	5.12407E-06	18.3695488	1.91219E-05	0.000270649	0.0002736	0.000898049
2023 Sep	55.37598038	0.044177517	0.011342824	0.001030501	12.08710384	0.027521227	4.281919003	0.001030501	0.001030501	5.1525E-06	0.007213757	0.001248816	0.010045212	0.021967569	5.1525E-06	18.37549782	1.89025E-05	0.000270149	0.000270206	0.000901938
2023 Oct	55.1999588	0.045696717	0.011180405	0.001028368	12.09148598	0.027887424	4.295838833	0.001028368	0.001028368	5.14184E-06	0.007233522	0.001243876	0.010068425	0.021826878	5.14184E-06	18.29279518	1.87861E-05	0.000268152	0.000266589	0.000902726
2023 Nov	55.34192657	0.046051677	0.011191081	0.001031177	12.12870693	0.028024053	4.310825825	0.001031177	0.001031177	5.15588E-06	0.007258234	0.001246936	0.010102209	0.021872876	5.15588E-06	18.33636856	1.88263E-05	0.000268679	0.00026688	0.000905571
2023 Dec	55.35851288	0.046084184	0.011193012	0.001031499	12.1328249	0.028037567	4.312428474	0.001031499	0.001031499	5.15749E-06	0.007260891	0.001247299	0.010105859	0.021878636	5.15749E-06	18.34159088	1.88314E-05	0.000268746	0.000266929	0.000905883
2024 Jan	55.36325455	0.046094947	0.011194009	0.001031497	12.1343082	0.028038729	4.312974453	0.001031497	0.001031497	5.15748E-06	0.007260945	0.001247377	0.010105844	0.021881105	5.15748E-06	18.34361267	1.88311E-05	0.000268765	0.000266969	0.000905949
2024 Feb	55.37029648	0.046101425	0.011196154	0.001031498	12.1362381	0.028038211	4.313620567	0.001031498	0.001031498	5.15749E-06	0.007260867	0.001247501	0.010105634	0.021885086	5.15749E-06	18.34669685	1.88313E-05	0.000268799	0.000267042	0.000906029
2024 Mar	55.41925812	0.046142519	0.011206444	0.00103234	12.1471777	0.028060788	4.317488194	0.00103234	0.00103234	5.1617E-06	0.007266744	0.001248585	0.010113758	0.021905083	5.1617E-06	18.36332512	1.88467E-05	0.000269037	0.000267299	0.000906811
2024 Apr	55.51173782	0.046219707	0.011225362	0.001034023	12.16756439	0.028106382	4.32472229	0.001034023	0.001034023	5.17012E-06	0.007278568	0.001250659	0.010130184	0.021941999	5.17012E-06	18.39419365	1.88775E-05	0.000269486	0.000267757	0.000908313
2024 May	57.31340408	0.047486309	0.011769808	0.001040863	12.62195587	0.028008472	4.47460556	0.001040863	0.001040863	5.20432E-06	0.00731232	0.001283561	0.010143952	0.022902709	5.20432E-06	19.14192009	1.91207E-05	0.000278755	0.000284987	0.000929012
2024 Jun	59.8466568	0.047879566	0.012912753	0.001007961	13.29998684	0.02578252	4.670698166	0.001007961	0.001007961	5.03981E-06	0.007047918	0.001315958	0.009641288	0.024657279	5.03981E-06	20.42386246	1.91311E-05	0.000294101	0.000324349	0.000939901
2024 Jul	61.57175827	0.048788577	0.013256616	0.001047392	13.6455946	0.026783597	4.7938447	0.001047392	0.001047392	5.23696E-06	0.007316557	0.001357932	0.010012557	0.025304221	5.23696E-06	20.96393776	1.98454E-05	0.000302577	0.000331419	0.000970078
2024 Aug	62.83169937	0.049848694	0.013453578	0.001075653	13.94671631	0.027898889	4.902879715	0.001075653	0.001075653	5.37826E-06	0.007477812	0.001389526	0.010329477	0.025767572	5.37826E-06	21.37314034	2.00571E-05	0.000307975	0.000335338	0.000993261
2024 Sep	61.81848907	0.051281959	0.01300155	0.001066207	13.79319	0.028533762	4.865364075	0.001066207	0.001066207	5.33104E-06	0.00743135	0.001367982	0.010367025	0.025182346	5.33104E-06	20.96843719	1.95168E-05	0.0003012	0.000323245	0.000983452
2024 Oct	61.63874817	0.05284198	0.012823773	0.001066007	13.79214668	0.02897292	4.878509045	0.001066007	0.001066007	5.33004E-06	0.007467249	0.001363508	0.01041204	0.025021188	5.33004E-06	20.87271118	1.94326E-05	0.000299133	0.000318964	0.000984915
2024 Nov	61.5426178	0.053663176	0.01272977	0.001065878	13.79128933	0.029203774	4.885329247	0.001065878	0.001065878	5.32939E-06	0.007486007	0.001361119	0.010435537	0.024935674	5.32939E-06	20.82178116	1.93878E-05	0.000298036	0.0003167	0.000985665
2024 Dec	61.56417465	0.053705793	0.012732278	0.001066292	13.79666424	0.029221281	4.887420654	0.001066292	0.001066292	5.33146E-06	0.007489431	0.001361589	0.01044024	0.024943182	5.33146E-06	20.82859039	1.93942E-05	0.000298124	0.000316764	0.00098607
2025 Jan	61.56926346	0.05371774	0.012733308	0.001066292	13.79825878	0.029222703	4.888012409	0.001066292	0.001066292	5.33146E-06	0.007489518	0.001361673	0.010440253	0.024945809	5.33146E-06	20.8307457	1.9394E-05	0.000298144	0.000316806	0.000986143
2025 Feb	61.58168793	0.053728774	0.012736665	0.001066372	13.80143261	0.029224202	4.889094353	0.001066372	0.001066372	5.33186E-06	0.007489973	0.001361913	0.010440766	0.024952117	5.33186E-06	20.83573914	1.93956E-05	0.000298204	0.000316912	0.000986305
2025 Mar	61.59537125	0.053740826	0.012739926	0.001066535	13.80471134	0.029228298	4.89023304	0.001066535	0.001066535	5.33267E-06	0.007491061	0.001362196	0.010442217	0.024958361	5.33267E-06	20.84080124	1.93986E-05	0.00029827	0.000317005	0.000986504
2025 Apr	61.6459198	0.053784989	0.012750625	0.001067368	13.81616116	0.029250922	4.894275665	0.001067368	0.001067368	5.33684E-06	0.007496881	0.001363303	0.010450291	0.024979239	5.33684E-06	20.85815048	1.94138E-05	0.000298515	0.000317278	0.000987302

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 May	62.45493698	0.054490805	0.012918064	0.001081358	13.99752426	0.029634206	4.958516598	0.001081358	0.001081358	5.40679E-06	0.007595132	0.00138119	0.010587231	0.025307219	5.40679E-06	21.1319828	1.96683E-05	0.000302433	0.000321447	0.001000254
2025 Jun	58.8738327	0.048799142	0.012129836	0.001065552	12.93314648	0.028303603	4.572702885	0.001065552	0.001065552	5.32776E-06	0.007535781	0.001311038	0.010457844	0.023458408	5.32776E-06	19.63639832	1.99034E-05	0.000288356	0.000292843	0.000946246
2025 Jul	54.92149734	0.042449534	0.01122511	0.001050354	11.79980469	0.027298201	4.171249866	0.001050354	0.001050354	5.25177E-06	0.007428013	0.001240365	0.010283881	0.021487646	5.25177E-06	18.02016449	1.98254E-05	0.000270935	0.000261274	0.000893457
2025 Aug	56.20972061	0.043204945	0.011430638	0.00108291	12.09470272	0.028525574	4.282655239	0.00108291	0.00108291	5.41455E-06	0.007604961	0.001276448	0.01058748	0.021987488	5.41455E-06	18.43736267	2.00733E-05	0.000275909	0.000265442	0.000920722
2025 Sep	56.13996506	0.044444975	0.011296389	0.00108333	12.12955093	0.029031409	4.303379059	0.00108333	0.00108333	5.41665E-06	0.007615827	0.001274618	0.010661362	0.021887662	5.41665E-06	18.39615822	1.98702E-05	0.000274529	0.000262076	0.000922344
2025 Oct	55.38233566	0.046734612	0.010932295	0.001069283	12.04459381	0.029384829	4.294400692	0.001069283	0.001069283	5.34642E-06	0.007576024	0.001255422	0.010595651	0.021483412	5.34642E-06	18.11428642	1.94786E-05	0.000268828	0.000254191	0.000915943
2025 Nov	55.12150192	0.047730442	0.01079174	0.001064489	12.02100086	0.029560035	4.294836521	0.001064489	0.001064489	5.32244E-06	0.007566844	0.00124867	0.010578644	0.021336418	5.32244E-06	18.01482773	1.93349E-05	0.000266722	0.000251163	0.000914173
2025 Dec	55.13978577	0.047766626	0.010793829	0.001064846	12.02554226	0.029575089	4.296607018	0.001064846	0.001064846	5.32423E-06	0.007569797	0.00124907	0.010582704	0.021342728	5.32423E-06	18.02056694	1.93404E-05	0.000266796	0.000251216	0.000914519
2026 Jan	55.14719391	0.047779858	0.010795409	0.001064883	12.02764702	0.029577333	4.297372341	0.001064883	0.001064883	5.32442E-06	0.007570125	0.001249205	0.010583059	0.021346346	5.32442E-06	18.02353096	1.93409E-05	0.000266827	0.000251272	0.000914626
2026 Feb	55.1558075	0.047787569	0.010797931	0.001064904	12.02994442	0.029577287	4.298146248	0.001064904	0.001064904	5.32452E-06	0.007570177	0.001249362	0.010583022	0.021351038	5.32452E-06	18.02718925	1.93414E-05	0.000266869	0.000251356	0.000914729
2026 Mar	55.18998337	0.047817316	0.010805077	0.001065485	12.03762722	0.029593069	4.30086565	0.001065485	0.001065485	5.32742E-06	0.007574251	0.001250116	0.010588657	0.021365007	5.32742E-06	18.03882027	1.93521E-05	0.000267035	0.000251536	0.000915274
2026 Apr	55.32852554	0.04793743	0.010832462	0.001068114	12.06797504	0.029665908	4.311694145	0.001068114	0.001068114	5.34057E-06	0.007592913	0.001253242	0.010614713	0.021419061	5.34057E-06	18.08436584	1.93999E-05	0.000267705	0.000252181	0.000917559
2026 May	56.05650711	0.048527818	0.010998234	0.00107883	12.23402309	0.029928396	4.369512081	0.00107883	0.00107883	5.39415E-06	0.007667121	0.001268801	0.010714466	0.021732682	5.39415E-06	18.34141922	1.96084E-05	0.000271294	0.000256586	0.000928536
2026 Jun	54.82279587	0.043972686	0.011169839	0.0010367	11.8369236	0.027107459	4.188947678	0.0010367	0.0010367	5.1835E-06	0.007377809	0.001231666	0.010184404	0.021471569	5.1835E-06	18.02231026	1.96638E-05	0.000270078	0.000261948	0.000889584
2026 Jul	55.16661835	0.043221917	0.011206914	0.00106157	11.83361435	0.027641647	4.189094067	0.00106157	0.00106157	5.30785E-06	0.007542177	0.001246195	0.010410376	0.02149407	5.30785E-06	18.04717064	2.01253E-05	0.000272062	0.000259837	0.000899771
2026 Aug	55.59601593	0.043067317	0.011216347	0.001082234	11.94759655	0.028718613	4.241318703	0.001082234	0.001082234	5.41117E-06	0.007605672	0.00126737	0.010567063	0.021670876	5.41117E-06	18.1822052	1.99744E-05	0.00027198	0.000259267	0.00091714
2026 Sep	56.02939987	0.044280931	0.011227819	0.001091433	12.07229424	0.029266233	4.291325092	0.001091433	0.001091433	5.45716E-06	0.00767903	0.001276891	0.010697853	0.021795806	5.45716E-06	18.31283188	2.00293E-05	0.000273432	0.000259465	0.00092607
2026 Oct	55.05888748	0.046247046	0.010834932	0.001072716	11.93873978	0.029453425	4.263512611	0.001072716	0.001072716	5.36358E-06	0.007602826	0.001252723	0.010584433	0.021317076	5.36358E-06	17.96549225	1.95588E-05	0.000266829	0.000250933	0.000915551
2026 Nov	55.19504547	0.046415884	0.010857772	0.001075372	11.96976948	0.029540095	4.274983406	0.001075372	0.001075372	5.37686E-06	0.00762276	0.001255781	0.010612041	0.021367773	5.37686E-06	18.0093174	1.96048E-05	0.000267451	0.000251473	0.000917925
2026 Dec	55.21191788	0.046443138	0.010860142	0.001075702	11.97378922	0.029552443	4.276512623	0.001075702	0.001075702	5.37851E-06	0.007625361	0.001256155	0.010615627	0.02137382	5.37851E-06	18.01467896	1.96102E-05	0.000267524	0.000251531	0.000918232
2027 Jan	55.21723175	0.046452306	0.010861265	0.001075735	11.97527409	0.029554166	4.277052402	0.001075735	0.001075735	5.37867E-06	0.007625637	0.001256253	0.010615948	0.021376371	5.37867E-06	18.01677513	1.96106E-05	0.000267547	0.00025157	0.00091831
2027 Feb	55.22290421	0.046457436	0.010862921	0.001075748	11.97678757	0.029554153	4.277562141	0.001075748	0.001075748	5.37874E-06	0.007625673	0.001256357	0.010615927	0.021379456	5.37874E-06	18.01918221	1.9611E-05	0.000267574	0.000251624	0.000918377
2027 Mar	55.25416183	0.046483926	0.010869364	0.001076305	11.98372173	0.029569216	4.280021667	0.001076305	0.001076305	5.38152E-06	0.007629581	0.001257054	0.01062133	0.021392042	5.38152E-06	18.02968597	1.96212E-05	0.000267726	0.000251783	0.000918883
2027 Apr	55.47754669	0.046671964	0.010913477	0.001080626	12.03225899	0.029687811	4.297347546	0.001080626	0.001080626	5.40313E-06	0.007660194	0.001262128	0.010663926	0.021478806	5.40313E-06	18.10275269	1.97E-05	0.000268808	0.00025281	0.00092259
2027 May	56.3211441	0.047362056	0.011094317	0.001094838	12.22027969	0.030056283	4.363525867	0.001094838	0.001094838	5.47419E-06	0.00775972	0.001280688	0.010799997	0.021826111	5.47419E-06	18.39061356	1.99679E-05	0.000272937	0.000257362	0.000935893
2027 Jun	51.21842957	0.039072476	0.01013125	0.001048065	10.75658035	0.02723681	3.820185423	0.001048065	0.001048065	5.24033E-06	0.00749519	0.001172799	0.010351134	0.019398378	5.24033E-06	16.3901062	1.99805E-05	0.000253604	0.000224002	0.000849867
2027 Jul	50.81510162	0.036922246	0.010029637	0.001068952	10.51562786	0.027322263	3.730544806	0.001068952	0.001068952	5.34476E-06	0.007651113	0.00117132	0.010547696	0.019030206	5.34476E-06	16.09868622	2.05781E-05	0.000253227	0.000216336	0.0008479
2027 Aug	52.31028366	0.03808482	0.01027611	0.001103263	10.85512733	0.028538378	3.853529692	0.001103263	0.001103263	5.51631E-06	0.007860499	0.00120861	0.010914808	0.019576589	5.51631E-06	16.57522011	2.09485E-05	0.000259879	0.000221195	0.000874171
2027 Sep	52.0372963	0.040060524	0.010044948	0.001096416	10.89395142	0.029168244	3.880458355	0.001096416	0.001096416	5.48208E-06	0.007821498	0.001201028	0.01095196	0.019394521	5.48208E-06	16.48272324	2.04699E-05	0.000256734	0.000216254	0.000873377
2027 Oct	51.68610382	0.042112377	0.009822917	0.001086597	10.89362049	0.029490827	3.896505117	0.001086597	0.001086597	5.43298E-06	0.007794807	0.001190734	0.010906588	0.019205306	5.43298E-06	16.36260986	2.01701E-05	0.00025335	0.000212184	0.000871693
2027 Nov	51.75434494	0.042803433	0.009793681	0.001087369	10.92803097	0.0296719	3.913207054	0.001087369	0.001087369	5.43685E-06	0.007812239	0.001191708	0.010928799	0.019214699	5.43685E-06	16.38178444	2.01525E-05	0.000253233	0.000211749	0.000873996
2027 Dec	51.76942444	0.042850584	0.009794232	0.00108765	10.9323082	0.029688304	3.914977789	0.00108765	0.00108765	5.43825E-06	0.007814906	0.001192022	0.01093241	0.019219428	5.43825E-06	16.38642502	2.0156E-05	0.000253282	0.000211772	0.000874314
2028 Jan	51.77589035	0.042864513	0.009795711	0.001087635	10.93435669	0.029689401	3.915723801	0.001087635	0.001087635	5.43818E-06	0.00781486	0.001192127	0.010932223	0.019222958	5.43818E-06	16.38927269	2.01554E-05	0.000253308	0.000211832	0.0008744
2028 Feb	51.78876495	0.042876001	0.009799226	0.00108771	10.93766785	0.029690757	3.916850805	0.00108771	0.00108771	5.43855E-06	0.007815277	0.001192374	0.010932676	0.019229563	5.43855E-06	16.39448929	2.01569E-05	0.00025337	0.000211944	0.000874566
2028 Mar	51.80166245	0.042887129	0.00980225	0.001087876	10.94071102	0.029694891	3.917909145	0.001087876	0.001087876	5.43938E-06	0.007816399	0.001192643	0.010934174	0.019235337	5.43938E-06	16.39918709	2.01601E-05	0.000253433	0.000212028	0.000874756
2028 Apr	51.92709351	0.042991221	0.00982631	0.001090451	10.96737957	0.029764973	3.927441835	0.001090451	0.001090451	5.45225E-06	0.007834864	0.001195516	0.010959967	0.01928246	5.45225E-06	16.4392395	2.02078E-05	0.000254047	0.000212559	0.000876858
2028 May	52.46726608	0.043438423	0.00992874	0.001101759	11.08156776	0.030073432	3.968320847	0.001101759	0.001101759	5.50879E-06	0.007916089	0.001207943	0.011073561	0.019483384	5.50879E-06	16.61045647	2.04175E-05	0.000256689	0.000214781	0.00088597
2028 Jun	48.39216995	0.03645378	0.009210257	0.001060648	9.912099838	0.027598089	3.531525135	0.001060648	0.001060648	5.30324E-06	0.007668637	0.001121499	0.010648476	0.017602663	5.30324E-06	15.04083538	2.03896E-05	0.000241393	0.000190034	0.000816085
2028 Jul	47.95978546	0.034447003	0.009135432	0.001073112	9.69443512	0.027475959	3.449107409	0.001073112	0.001073112	5.36556E-06	0.007759488	0.00111745	0.010750575	0.017294507	5.36556E-06	14.78607273	2.08152E-05	0.000240695	0.000184408	0.000810924
2028 Aug	50.23202133	0.036104038	0.009548579	0.001124896	10.16913319	0.028958919	3.61927104	0.001124896	0.001124896	5.62448E-06	0.00811576	0.001171765	0.011278762	0.018114287	5.62448E-06	15.49132252	2.16816E-05	0.000251689	0.000192618	0.000850542
2028 Sep	50.62753677	0.038264163	0.009501848	0.001130258	10.32059479	0.029622363	3.685459852	0.001130258	0.001130258	5.65129E-06	0.008180264	0.001179091	0.011382686	0.018223643	5.65129E-06	15.6183691	2.16337E-05	0.000252237	0.000192302	0.000860274
2028 Oct	49.54792786	0.042805739	0.008966663	0.001095978	10.28808498	0.0300864	3.709938049	0.001095978	0.001095978	5.47989E-06	0.0080237	0.001148173	0.011151954	0.017748993	5.47989E-06	15.29560375	2.06774E-05	0.000242907	0.000183559	0.000850777
2028 Nov	49.65879059	0.04377909	0.008932251	0.001096763	10.34182835	0.030333197	3.735121727	0.001096763	0.001096763	5.48382E-06	0.008044581	0.001149797	0.011178871	0.017774614	5.48382E-06	15.3315115	2.06426E-05	0.000242803	0.00018321	0.00085413
2028 Dec	49.67565536	0.043810252	0.008934273	0.001097105	10.34591103	0.030346829	3.736703634	0.001097105	0.001097105	5.48552E-06	0.008047367	0.001150169	0.011182704	0.017780388	5.48552E-06	15.33675003	2.06481E-05	0.000242874	0.000183258	0.000854447
2029 Jan	49.68056488	0.043820158	0.008935448	0.001097092	10.34745979	0.030347515	3.737263203	0.001097092	0.001097092	5.48546E-06	0.008047298	0.00115025	0.011182528	0.017783113	5.48546E-06	15.33893299	2.06476E-05	0.000242894	0.000183305	0.000854511
2029 Feb	49.68705368	0.043825936	0.008937477	0.001097086	10.34926128	0.030346805	3.737864494	0.001097086	0.001097086	5.48543E-06	0.00804715	0.001150363	0.011182235	0.017786868	5.48543E-06	15.34182644	2.06475E-05	0.000242925	0.000183375	0.000854583
2029 Mar	49.69882584	0.043836348	0.008940065	0.001097264	10.35195923	0.030351449	3.73881197	0.001097264	0.001097264	5.48632E-06	0.008048403	0.001150616	0.011183927	0.017791865	5.48632E-06	15.34594822	2.06509E-05	0.000242982	0.000183443	0.000854764
2029 Apr	49.74958038	0.043881133	0.008949462	0.001098337	10.3626709	0.03038099	3.742665291	0.001098337	0.001098337	5.49169E-06	0.00805625	0.001151779	0.011194803	0.017810479	5.49169E-06	15.36189556	2.06712E-05	0.00024323	0.000183645	0.000855624
2029 May	50.12110138	0.04419909	0.009022562	0.001105596	10.44244099	0.030574515	3.771079779	0.001105596	0.001105596	5.52798E-06	0.008108862	0.001160141	0.011267126	0.017952703	5.52798E-06	15.48220634	2.08101E-05	0.000245056	0.00018532	0.00086173
2029 Jun	48.79376984	0.040593822	0.008897961	0.001091578	10.01126671	0.029288884	3.599740028	0.001091578	0.001091578	5.45789E-06	0.008013408	0.001131545	0.011089456	0.017379206	5.45789E-06	14.97787666	2.09676E-05	0.000241409	0.000179437	0.000834954
2029 Jul	44.59762573	0.032805704	0.008186446	0.001043209	8.897702217	0.027133469	3.19121027	0.001043209	0.001043209	5.21604E-06	0.007594078	0.001051819	0.010483742	0.015666906	5.21604E-06	13.48389244	2.01747E-05	0.000222783	0.00015746	0.000770662
2029 Aug	45.58945847	0.033301707	0.008319066	0.001071025	9.139385223	0.028351434	3.285233498	0.001071025	0.001071025	5.35512E-06	0.007721818	0.001082666	0.010740374	0.016057014	5.35512E-06	13.80877304	2.02252E-05	0.000225923	0.000159927	0.000794379
2029 Sep	46.13428879	0.035145331	0.008324396	0.001079815	9.315948486	0.029055305	3.35642314	0.001079815	0.001079815	5.39907E-06	0.007795484	0.001093786	0.010884098	0.016228605	5.39907E-06	13.9871254	2.02082E-05	0.000227494	0.000160492	0.000805509
2029 Oct	46.09533691	0.037513308	0.00817997	0.001072531	9.395576477	0.029448796	3.399977922	0.001072531	0.001072531	5.36265E-06	0.007784625	0.00108957	0.010861841	0.016189862	5.36265E-06	13.98878193	1.99509E-05	0.000225611	0.000158803	0.000808026
2029 Nov	46.17129898	0.038274787	0.008153356	0.001072438	9.436590195	0.029619308	3.419117451	0.001072438	0.001072438	5.36219E-06	0.007796206	0.001090405	0.010875928	0.016209235	5.36219E-06	14.01576424	1.99137E-05	0.00022549	0.000158611	0.000810291
2029 Dec	46.18386459	0.038303114	0.008154549	0.001072683	9.43981266	0.029630493	3.420394897	0.001072683	0.001072683	5.36341E-06	0.007798296	0.001090677	0.010878791	0.01621346	5.36341E-06	14.01967907	1.99173E-05	0.000225539	0.000158642	0.000810536
2030 Jan	46.18982315	0.038314596	0.00815595	0.001072679	9.441634178	0.029631494	3.421051502	0.001072679	0.001072679	5.3634E-06	0.007798303	0.001090777	0.010878712	0.01621666	5.3634E-06	14.02225685	1.9917E-05	0.000225563	0.000158697	0.000810614
2030 Feb	46.20244598	0.038325679	0.008159126	0.001072801	9.444732666	0.029634321	3.422118425	0.001072801	0.001072801	5.36401E-06	0.007799093	0.001091031	0.010879717	0.01622268	5.36401E-06	14.02708721	1.99194E-05	0.000225624	0.000158791	0.00081079
2030 Mar	46.2234993	0.038343474	0.008163361	0.001073197	9.449318886	0.029644955	3.423750162	0.001073197	0.001073197	5.36599E-06	0.007801916	0.001091504	0.010883604	0.016230941	5.36599E-06	14.03402233	1.99268E-05	0.000225727	0.000158891	0.000811135
2030 Apr	46.29626846	0.038404025	0.008176506	0.001074834	9.464355469	0.029689984	3.429181099	0.001074834	0.001074834	5.37417E-06	0.007813782	0.001093209	0.010900126	0.016256986	5.37417E-06	14.05642509	1.99572E-05	0.000226082	0.000159157	0.000812397
2030 May	46.82835007	0.038845018	0.008271121	0.001087083	9.573407173	0.030027673	3.468652725	0.001087083	0.001087083	5.43541E-06	0.007902772	0.001105746	0.011024186	0.016444804	5.43541E-06	14.21858025	2.01848E-05	0.000228682	0.000161019	0.000821703
2030 Jun	44.7204895	0.033764515	0.008077296	0.001056475	8.925663948	0.027838996	3.209909439	0.001056475	0.001056475	5.28237E-06	0.007704836	0.001056783	0.010674533	0.015574371	5.28237E-06	13.45325947	2.02978E-05	0.000222739	0.000153114	0.000777135
2030 Jul	43.21901321	0.030585608	0.007838617	0.001040965	8.516438484	0.027070057	3.059476852	0.001040965	0.001040965	5.20483E-06	0.007554333	0.00102999	0.010454361	0.014975019	5.20483E-06	12.91919994	2.00235E-05	0.000216043	0.000145463	0.000754942
2030 Aug	44.19319534	0.031022184	0.007980395	0.001068312	8.742239952	0.028170086	3.147588015	0.001068312	0.001068312	5.34156E-06	0.00768981	0.001059941	0.010693867	0.01535961	5.34156E-06	13.2342329	2.01549E-05	0.000219308	0.000148183	0.000777996
2030 Sep	45.21380615	0.032176524	0.008134878	0.001091451	8.969050407	0.028951252	3.231108189	0.001091451	0.001091451	5.45726E-06	0.007855527	0.001083823	0.010948692	0.015709072	5.45726E-06	13.54673862	2.05081E-05	0.000224009	0.00015117	0.000796285
2030 Oct	45.11109924	0.034502007	0.007984406	0.00108163	9.038989067	0.029272674	3.270690203	0.00108163	0.00108163	5.40815E-06	0.007825876	0.001077756	0.010901163	0.015656147	5.40815E-06	13.53472424	2.02042E-05	0.000221828	0.000149542	0.000797323
2030 Nov	45.09494781	0.035579462	0.007921576	0.001077907	9.076786041	0.029438114	3.290838003	0.001077907	0.001077907	5.38954E-06	0.007817709	0.001075732	0.010886965	0.015642706	5.38954E-06	13.53840065	2.008E-05	0.000220989	0.000148905	0.000798332
2030 Dec	45.10505676	0.035606079	0.007922325	0.001078092	9.079522133	0.029447719	3.291940212	0.001078092	0.001078092	5.39046E-06	0.007819369	0.001075945	0.010889229	0.015646078	5.39046E-06	13.5415802	2.00825E-05	0.000221026	0.000148928	0.000798533
2031 Jan	45.11141586	0.035618205	0.007923807	0.001078092	9.08145237	0.02944888	3.292635441	0.001078092	0.001078092	5.39046E-06	0.007819406	0.001076053	0.010889192	0.015649457	5.39046E-06	13.54430866	2.00823E-05	0.000221052	0.000148985	0.000798617
2031 Feb	45.11882401	0.035625096	0.007926077	0.001078089	9.083499908	0.029448267	3.293321371	0.001078089	0.001078089	5.39045E-06	0.007819287	0.001076182	0.010888929	0.015653679	5.39045E-06	13.5475769	2.00823E-05	0.000221088	0.000149062	0.0007987
2031 Mar	45.13166046	0.035635799	0.00792886	0.001078298	9.086388588	0.029453674	3.294337749	0.001078298	0.001078298	5.39149E-06	0.007820747	0.001076463	0.010890909	0.015659034	5.39149E-06	13.55200195	2.00863E-05	0.000221151	0.000149134	0.000798902
2031 Apr	45.28598022	0.035757978	0.007956272	0.001081929	9.117630005	0.029552691	3.305647612	0.001081929	0.001081929	5.40964E-06	0.007847051	0.001080129	0.01092751	0.015713092	5.40964E-06	13.59866524	2.0154E-05	0.000221907	0.00014966	0.000801618
2031 May	46.68325424	0.036822487	0.008334153	0.001093391	9.458282471	0.02972633	3.420663118	0.001093391	0.001093391	5.46695E-06	0.007919161	0.001107479	0.011011809	0.016400672	5.46695E-06	14.14426804	2.04174E-05	0.000228927	0.000161003	0.000819819
2031 Jun	51.10134506	0.039243471	0.009976733	0.001067497	10.66064835	0.027810398	3.797657967	0.001067497	0.001067497	5.33748E-06	0.007670865	0.001175786	0.010547612	0.019156333	5.33748E-06	16.22023582	2.04248E-05	0.000252796	0.000217139	0.00085541
2031 Jul	53.08233261	0.040349804	0.010354999	0.001115204	11.04843426	0.029022442	3.936418295	0.001115204	0.001115204	5.57602E-06	0.008004207	0.001224114	0.011007564	0.019867698	5.57602E-06	16.82205963	2.13136E-05	0.000262626	0.000224387	0.000890403
2031 Aug	53.93315125	0.040858276	0.010462987	0.001138854	11.25753593	0.030072896	4.016680241	0.001138854	0.001138854	5.69427E-06	0.008115801	0.001249785	0.011242897	0.020188201	5.69427E-06	17.09688377	2.1357E-05	0.000265459	0.000226216	0.00091
2031 Sep	53.07061386	0.043022782	0.010067654	0.001119049	11.19983864	0.030579787	4.012488365	0.001119049	0.001119049	5.59524E-06	0.007989449	0.001227864	0.011185105	0.019760083	5.59524E-06	16.81494713	2.05483E-05	0.000258969	0.000217723	0.000900035
2031 Oct	51.75201035	0.047318082	0.009463609	0.001085428	11.08908939	0.030994622	4.009224892	0.001085428	0.001085428	5.42714E-06	0.007852074	0.001191937	0.010973927	0.019131858	5.42714E-06	16.3757	1.96772E-05	0.000248818	0.00020631	0.000887008
2031 Nov	51.76898956	0.047862269	0.009431836	0.001085211	11.10923767	0.031120555	4.020044327	0.001085211	0.001085211	5.42605E-06	0.007860675	0.001191794	0.010984103	0.019124608	5.42605E-06	16.37895775	1.96482E-05	0.000248533	0.000205786	0.000888219
2031 Dec	51.77880478	0.047889285	0.009432442	0.001085397	11.1119051	0.031130385	4.021128654	0.001085397	0.001085397	5.42699E-06	0.007862369	0.001192002	0.010986408	0.019127775	5.42699E-06	16.38199043	1.96507E-05	0.000248568	0.000205805	0.000888418
2032 Jan	51.7850914	0.047900897	0.00943389	0.001085406	11.11377144	0.031131655	4.021801949	0.001085406	0.001085406	5.42703E-06	0.007862471	0.001192111	0.010986452	0.019131051	5.42703E-06	16.38464165	1.96507E-05	0.000248595	0.000205859	0.000888504
2032 Feb	51.79258728	0.047907401	0.009436223	0.001085403	11.11582756	0.03113088	4.02248764	0.001085403	0.001085403	5.42701E-06	0.007862343	0.001192242	0.010986167	0.019135343	5.42701E-06	16.3879528	1.96508E-05	0.000248631	0.000205939	0.000888587
2032 Mar	51.80898285	0.047922336	0.009439734	0.00108566	11.1195879	0.031137876	4.023816109	0.00108566	0.00108566	5.4283E-06	0.007864146	0.001192597	0.010988628	0.019142224	5.4283E-06	16.39365005	1.96555E-05	0.00024871	0.000206031	0.000888844

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2032 Apr	51.91339111	0.048018783	0.009459049	0.001087799	11.14213181	0.031199036	4.031956196	0.001087799	0.001087799	5.439E-06	0.007879613	0.001194988	0.011010208	0.019181259	5.439E-06	16.42697144	1.96943E-05	0.000249212	0.000206461	0.000890621
2032 May	52.46157455	0.048512787	0.009564848	0.00109846	11.26158524	0.031496782	4.074782372	0.00109846	0.00109846	5.4923E-06	0.007956304	0.001207385	0.011116556	0.019391835	5.4923E-06	16.60524559	1.98902E-05	0.00025186	0.000208913	0.000899753
2032 Jun	48.66724396	0.040199202	0.00908116	0.001053064	10.12105942	0.028327985	3.631432056	0.001053064	0.001053064	5.26532E-06	0.007658289	0.001124229	0.010603813	0.017744441	5.26532E-06	15.18688011	1.99916E-05	0.000239578	0.000190614	0.000826924
2032 Jul	43.91864014	0.032800086	0.008196668	0.000992692	8.930913925	0.026183022	3.203016043	0.000992692	0.000992692	4.96346E-06	0.007152058	0.001032446	0.009894012	0.015817363	4.96346E-06	13.52300072	1.88193E-05	0.000217213	0.000165252	0.000756205
2032 Aug	44.48618317	0.033161018	0.008225355	0.001010462	9.107708931	0.027305854	3.272558451	0.001010462	0.001010462	5.05231E-06	0.00719564	0.001052869	0.010092374	0.01603644	5.05231E-06	13.72001266	1.85528E-05	0.000218133	0.000165337	0.000772037
2032 Sep	45.13004684	0.034315053	0.008281237	0.001023737	9.28780365	0.028042382	3.339180946	0.001023737	0.001023737	5.11868E-06	0.007276153	0.001067559	0.0102874	0.016243069	5.11868E-06	13.92662239	1.8565E-05	0.000220651	0.000166299	0.000783653
2032 Oct	45.39984894	0.035318386	0.008283358	0.001028137	9.370284081	0.028353717	3.373886585	0.001028137	0.001028137	5.14069E-06	0.007322518	0.001072876	0.010348968	0.016327336	5.14069E-06	14.01136589	1.86109E-05	0.000221431	0.000166662	0.000789454
2032 Nov	45.44163132	0.035861589	0.008260661	0.001027983	9.396155357	0.028471746	3.386424541	0.001027983	0.001027983	5.13991E-06	0.007331091	0.001073181	0.010358537	0.01633415	5.13991E-06	14.02521229	1.85863E-05	0.00022129	0.000166412	0.000790895
2032 Dec	45.35332489	0.036351535	0.008211384	0.001024779	9.396795273	0.028517161	3.390180349	0.001024779	0.001024779	5.1239E-06	0.007318853	0.001070349	0.010338454	0.016293406	5.1239E-06	13.99899864	1.85045E-05	0.000220482	0.000165646	0.000790141
2033 Jan	45.36515808	0.036373816	0.008214083	0.001024795	9.400310516	0.028519593	3.391450882	0.001024795	0.001024795	5.12398E-06	0.007319062	0.001070552	0.010338547	0.016299548	5.12398E-06	14.00397491	1.85045E-05	0.000220532	0.000165748	0.000790302
2033 Feb	45.38459778	0.036391087	0.008219287	0.001024928	9.405252457	0.02852221	3.39313817	0.001024928	0.001024928	5.12464E-06	0.007319838	0.001070929	0.010339448	0.016309345	5.12464E-06	14.01174164	1.85072E-05	0.000220626	0.00016591	0.000790557
2033 Mar	45.43051147	0.036428824	0.008228521	0.001025797	9.415266037	0.028545827	3.396698236	0.001025797	0.001025797	5.12899E-06	0.007325956	0.001071968	0.010347983	0.016327377	5.12899E-06	14.02688026	1.8523E-05	0.000220849	0.000166128	0.000791311
2033 Apr	45.62989426	0.03658922	0.008265158	0.001030203	9.456871033	0.028668113	3.411678076	0.001030203	0.001030203	5.15102E-06	0.007357372	0.001076646	0.010392298	0.016399911	5.15102E-06	14.08898926	1.86026E-05	0.000221818	0.000166886	0.000794758
2033 May	49.8689003	0.039708883	0.009607015	0.001034171	10.56479645	0.028082328	3.775158167	0.001034171	0.001034171	5.17085E-06	0.00734419	0.001150838	0.01028665	0.018769741	5.17085E-06	15.91781139	1.89582E-05	0.000243549	0.000210938	0.000840389
2033 Jun	53.04277802	0.040690821	0.01107614	0.000979907	11.47161579	0.025047179	4.041150093	0.000979907	0.000979907	4.89953E-06	0.00691321	0.001188272	0.009515148	0.021080442	4.89953E-06	17.599823	1.8677E-05	0.000262274	0.000263534	0.000851942
2033 Jul	53.74108124	0.04060347	0.0111876	0.001005483	11.58135033	0.025730597	4.082993031	0.001005483	0.001005483	5.02742E-06	0.00707593	0.001209699	0.009745023	0.021293737	5.02742E-06	17.77869415	1.90771E-05	0.000265503	0.000264382	0.000867683
2033 Aug	55.71673584	0.041979559	0.011571201	0.001046379	12.01459122	0.026955437	4.239292622	0.001046379	0.001046379	5.2319E-06	0.007339197	0.001257555	0.010133066	0.022073906	5.2319E-06	18.42870522	1.96829E-05	0.000274606	0.000273151	0.000902668
2033 Sep	54.64281464	0.044824734	0.011036348	0.001030458	11.89969254	0.027720446	4.224703312	0.001030458	0.001030458	5.15229E-06	0.007276633	0.001232128	0.010125791	0.021464869	5.15229E-06	18.01866341	1.89947E-05	0.000266564	0.000260428	0.000893446
2033 Oct	51.95226669	0.051319916	0.009837541	0.000984246	11.54502296	0.028708274	4.163458347	0.000984246	0.000984246	4.92123E-06	0.007127615	0.001166307	0.009896463	0.020054741	4.92123E-06	17.01508331	1.77196E-05	0.000247376	0.00023362	0.000868535
2033 Nov	51.88438797	0.052639756	0.009720237	0.000983681	11.5667944	0.029045725	4.181410789	0.000983681	0.000983681	4.91841E-06	0.007151655	0.001163962	0.009926444	0.019972246	4.91841E-06	16.97430801	1.76423E-05	0.000246087	0.000231086	0.000870441
2033 Dec	51.89920807	0.052669883	0.009721879	0.00098397	11.57050037	0.029058101	4.182859898	0.00098397	0.00098397	4.91985E-06	0.007154061	0.001164285	0.009929747	0.01997734	4.91985E-06	16.97895622	1.76468E-05	0.000246146	0.000231128	0.000870723
2034 Jan	51.90513992	0.052680057	0.009723202	0.000983995	11.57218933	0.029059641	4.183469772	0.000983995	0.000983995	4.91997E-06	0.007154274	0.001164393	0.009929963	0.0199803	4.91997E-06	16.9813652	1.76471E-05	0.000246172	0.000231175	0.000870807
2034 Feb	51.91311646	0.052686859	0.009725508	0.000984024	11.57428265	0.029059816	4.184174538	0.000984024	0.000984024	4.92012E-06	0.007154386	0.001164541	0.009930028	0.019984569	4.92012E-06	16.98470306	1.76477E-05	0.000246211	0.00023125	0.000870904
2034 Mar	51.93042755	0.05270372	0.009729194	0.000984285	11.57831287	0.02906717	4.185603619	0.000984285	0.000984285	4.92143E-06	0.007156234	0.001164912	0.009932542	0.019991888	4.92143E-06	16.99076462	1.76525E-05	0.000246293	0.000231349	0.000871175
2034 Apr	52.1181488	0.052893832	0.009764615	0.000987805	11.62026405	0.029170906	4.200753212	0.000987805	0.000987805	4.93902E-06	0.007181795	0.001169114	0.009967992	0.020064529	4.93902E-06	17.05241013	1.77157E-05	0.000247184	0.000232197	0.000874312
2034 May	53.85073471	0.054021288	0.010255947	0.001000691	12.03954124	0.029281881	4.340360641	0.001000691	0.001000691	5.00345E-06	0.007258634	0.001202725	0.0100516	0.020935614	5.00345E-06	17.7377758	1.80405E-05	0.00025606	0.000246965	0.000896042
2034 Jun	57.54369354	0.053039525	0.011849304	0.000981643	12.92690754	0.026787506	4.591586113	0.000981643	0.000981643	4.90821E-06	0.007040093	0.001260982	0.009608041	0.023306916	4.90821E-06	19.47337723	1.84365E-05	0.000278674	0.000297749	0.000919057
2034 Jul	56.73511505	0.050928906	0.011620355	0.000992361	12.67441463	0.027165206	4.50935173	0.000992361	0.000992361	4.9618E-06	0.007060892	0.001256091	0.00965979	0.022882171	4.9618E-06	19.11116791	1.83801E-05	0.000273953	0.000288834	0.000916105
2034 Aug	59.34567261	0.053185392	0.01212635	0.001041661	13.26482677	0.028677229	4.721382141	0.001041661	0.001041661	5.20831E-06	0.007390142	0.001316413	0.010147627	0.023919724	5.20831E-06	19.98342896	1.91375E-05	0.000286105	0.000300982	0.000960376
2034 Sep	58.17494965	0.055781342	0.011578185	0.001027675	13.094491	0.029313922	4.688420296	0.001027675	0.001027675	5.13837E-06	0.007360576	0.001289519	0.010131091	0.023250286	5.13837E-06	19.51501465	1.86363E-05	0.000277877	0.000287464	0.000950464
2034 Oct	55.59264374	0.059543144	0.010556917	0.000991647	12.66078091	0.029904163	4.580800533	0.000991647	0.000991647	4.95823E-06	0.00723389	0.001230093	0.00995187	0.021902531	4.95823E-06	18.52747726	1.76752E-05	0.000261223	0.000262684	0.000923539
2034 Nov	55.58454895	0.060079779	0.01051103	0.000992341	12.67183495	0.030065155	4.588918209	0.000992341	0.000992341	4.9617E-06	0.007250324	0.001229723	0.009974067	0.021871744	4.9617E-06	18.51417732	1.76609E-05	0.000260807	0.000261595	0.000924739
2034 Dec	55.60182571	0.060111966	0.010513198	0.00099267	12.6760931	0.030078596	4.590561867	0.00099267	0.00099267	4.96335E-06	0.007253011	0.0012301	0.009977752	0.021877857	4.96335E-06	18.51966858	1.76661E-05	0.000260879	0.00026165	0.000925059
2035 Jan	55.60682678	0.060120583	0.010514326	0.000992689	12.67752647	0.030079829	4.591078281	0.000992689	0.000992689	4.96344E-06	0.007253173	0.00123019	0.009977913	0.021880373	4.96344E-06	18.52171326	1.76663E-05	0.0002609	0.00026169	0.000925129
2035 Feb	55.61553192	0.060128123	0.010516725	0.000992739	12.67975998	0.030080652	4.591836929	0.000992739	0.000992739	4.96369E-06	0.007253443	0.001230357	0.009978203	0.021884853	4.96369E-06	18.52524567	1.76673E-05	0.000260943	0.000261766	0.000925241
2035 Mar	55.62921524	0.060141895	0.010519722	0.000992925	12.68301582	0.030085931	4.592988491	0.000992925	0.000992925	4.96463E-06	0.007254756	0.001230645	0.009979963	0.021890813	4.96463E-06	18.53015137	1.76707E-05	0.000261008	0.00026185	0.00092545
2035 Apr	55.80517578	0.060331549	0.010553231	0.000996033	12.72321129	0.030179886	4.607528687	0.000996033	0.000996033	4.98017E-06	0.007277435	0.00123453	0.010011137	0.021960385	4.98017E-06	18.58896255	1.77261E-05	0.000261834	0.000262689	0.000928367
2035 May	56.88828659	0.061291803	0.01080085	0.001010842	12.97548389	0.03055183	4.695631027	0.001010842	0.001010842	5.05421E-06	0.007380925	0.001257312	0.010148039	0.022434713	5.05421E-06	18.97703934	1.80154E-05	0.000267123	0.000269477	0.000944544
2035 Jun	54.5969429	0.051452946	0.01097067	0.000968225	12.15566254	0.02659969	4.336852074	0.000968225	0.000968225	4.84113E-06	0.007030361	0.001202981	0.009553963	0.021709358	4.84113E-06	18.22896767	1.83489E-05	0.000264283	0.000270071	0.000883013
2035 Jul	53.84470367	0.048944134	0.010793098	0.000983126	11.84592533	0.026599491	4.223389626	0.000983126	0.000983126	4.91563E-06	0.007130732	0.001194733	0.009690974	0.021211062	4.91563E-06	17.82736206	1.87548E-05	0.000261958	0.000260607	0.000875034
2035 Aug	54.9437561	0.049926136	0.010933728	0.001010099	12.12008095	0.027800076	4.323100567	0.001010099	0.001010099	5.05049E-06	0.007273154	0.00122338	0.010017845	0.021589298	5.05049E-06	18.17679024	1.88474E-05	0.000266413	0.00026281	0.000896108
2035 Sep	52.90341187	0.052578501	0.010099425	0.000981979	11.82569218	0.028684374	4.249853611	0.000981979	0.000981979	4.90989E-06	0.007107762	0.001178277	0.00995864	0.020518346	4.90989E-06	17.41918373	1.76527E-05	0.000252833	0.000241958	0.000874147
2035 Oct	52.13619614	0.055817116	0.009645008	0.000971099	11.75671577	0.029389914	4.255405426	0.000971099	0.000971099	4.85549E-06	0.007110793	0.001159396	0.00994608	0.020051537	4.85549E-06	17.10700798	1.72642E-05	0.000246307	0.000231733	0.000870931
2035 Nov	51.41252136	0.057158709	0.00934824	0.000959397	11.64775372	0.029575191	4.231874943	0.000959397	0.000959397	4.79699E-06	0.007068217	0.001142354	0.009877772	0.019683689	4.79699E-06	16.83804893	1.69545E-05	0.000241376	0.000224964	0.000863846
2035 Dec	51.42813492	0.057211235	0.009348372	0.000959718	11.65219212	0.02959403	4.23375082	0.000959718	0.000959718	4.79859E-06	0.007071297	0.001142686	0.009881931	0.01968818	4.79859E-06	16.84264183	1.69584E-05	0.000241424	0.000224973	0.000864192
2036 Jan	51.43497086	0.057222914	0.009349992	0.000959732	11.65418148	0.029595306	4.234464645	0.000959732	0.000959732	4.79866E-06	0.007071424	0.001142806	0.009881987	0.019691747	4.79866E-06	16.84550858	1.69585E-05	0.000241453	0.000225033	0.000864285
2036 Feb	51.44431686	0.057230171	0.009352878	0.000959743	11.6566782	0.029594595	4.235294819	0.000959743	0.000959743	4.79871E-06	0.007071362	0.001142975	0.009881771	0.019696996	4.79871E-06	16.84956169	1.6959E-05	0.000241499	0.000225128	0.000864391
2036 Mar	51.44989777	0.057234682	0.009354536	0.000959758	11.65814781	0.029594507	4.235787392	0.000959758	0.000959758	4.79879E-06	0.0070714	0.001143077	0.009881753	0.019700039	4.79879E-06	16.85192871	1.69594E-05	0.000241526	0.000225183	0.000864458
2036 Apr	51.68839264	0.057487853	0.009402499	0.000963575	11.71365929	0.029708117	4.255657196	0.000963575	0.000963575	4.81787E-06	0.007098966	0.001148225	0.009919771	0.019797832	4.81787E-06	16.93388939	1.70277E-05	0.000242655	0.00022644	0.000868269
2036 May	52.62776566	0.058477115	0.009589364	0.000979075	11.93052197	0.030167039	4.333363056	0.000979075	0.000979075	4.89538E-06	0.007211318	0.001168608	0.01007485	0.020178637	4.89538E-06	17.25389671	1.73068E-05	0.000247109	0.000231258	0.000883378
2036 Jun	49.95416641	0.049983185	0.009356093	0.000963081	10.99444294	0.027677184	3.960975409	0.000963081	0.000963081	4.81541E-06	0.00708751	0.001115824	0.009813419	0.018966207	4.81541E-06	16.18412971	1.78801E-05	0.000240372	0.000217671	0.000831256
2036 Jul	48.28003311	0.045356423	0.009030497	0.000968074	10.46024609	0.027398955	3.769456148	0.000968074	0.000968074	4.84037E-06	0.007053195	0.001095031	0.009768639	0.018166572	4.84037E-06	15.48805332	1.78876E-05	0.000232833	0.00020429	0.000813266
2036 Aug	50.13386917	0.046901572	0.00935504	0.00100882	10.8711977	0.02872348	3.920291185	0.00100882	0.00100882	5.0441E-06	0.007319491	0.001140553	0.010170659	0.018867901	5.0441E-06	16.08347511	1.84528E-05	0.000241125	0.000211343	0.00084737
2036 Sep	50.17513275	0.048258763	0.009247053	0.001010207	10.93545723	0.029266376	3.951354027	0.001010207	0.001010207	5.05103E-06	0.007335398	0.001141009	0.010252938	0.018822279	5.05103E-06	16.08600998	1.82579E-05	0.00024024	0.000208802	0.000850623
2036 Oct	49.49171448	0.051281929	0.008864747	0.000994796	10.89495468	0.029750867	3.962427855	0.000994796	0.000994796	4.97398E-06	0.007295436	0.00112247	0.010183681	0.018451959	4.97398E-06	15.83924484	1.78009E-05	0.000234379	0.000201163	0.000846241
2036 Nov	49.34395599	0.051986083	0.008778571	0.000991441	10.88768673	0.02986774	3.965713024	0.000991441	0.000991441	4.9572E-06	0.00728762	0.001118421	0.010169674	0.01837033	4.9572E-06	15.78551388	1.76992E-05	0.000233076	0.000199445	0.000845392
2036 Dec	49.27372742	0.052205179	0.008745663	0.000989898	10.880826	0.029895557	3.965236664	0.000989898	0.000989898	4.94949E-06	0.007282021	0.001116591	0.010160805	0.018335111	4.94949E-06	15.76084423	1.76575E-05	0.000232538	0.000198779	0.000844762
2037 Jan	49.2843399	0.052222464	0.008748098	0.000989943	10.88382626	0.02989809	3.966313362	0.000989943	0.000989943	4.94971E-06	0.007282382	0.001116784	0.010161163	0.018340446	4.94971E-06	15.76516819	1.7658E-05	0.000232584	0.000198865	0.000844911
2037 Feb	49.29982758	0.052235961	0.008752366	0.000990031	10.88780499	0.029899549	3.967665195	0.000990031	0.000990031	4.95015E-06	0.007282859	0.00111708	0.010161672	0.018348426	4.95015E-06	15.77145958	1.76599E-05	0.000232659	0.0001199	0.000845109
2037 Mar	49.34670639	0.052284036	0.008761518	0.00099085	10.8984642	0.02992364	3.971495152	0.00099085	0.00099085	4.95425E-06	0.007288793	0.001118112	0.010169866	0.018367086	4.95425E-06	15.78718758	1.76746E-05	0.000232882	0.000199229	0.000845876
2037 Apr	49.46334457	0.052406706	0.008782701	0.000993123	10.92439842	0.029991893	3.980915546	0.000993123	0.000993123	4.96561E-06	0.007305456	0.001120738	0.010193066	0.018411189	4.96561E-06	15.8249197	1.77152E-05	0.000233433	0.000199723	0.000847854
2037 May	53.20480728	0.054033361	0.010048685	0.000996625	11.87102699	0.02919198	4.282845497	0.000996625	0.000996625	4.98313E-06	0.007270737	0.001187213	0.01006795	0.020546405	4.98313E-06	17.45183372	1.80807E-05	0.000253346	0.000240293	0.000886039
2037 Jun	55.13373566	0.051436413	0.011239841	0.000953448	12.35138035	0.026121657	4.392688751	0.000953448	0.000953448	4.76724E-06	0.006876284	0.001209093	0.009392913	0.022157418	4.76724E-06	18.5612011	1.79677E-05	0.000267163	0.000280179	0.00088333
2037 Jul	56.2505188	0.051675808	0.011443662	0.000986336	12.54741669	0.026944976	4.463745117	0.000986336	0.000986336	4.93168E-06	0.007096936	0.001239087	0.009699621	0.022530656	4.93168E-06	18.87601471	1.85501E-05	0.000272677	0.000283156	0.000904965
2037 Aug	57.83217621	0.053052288	0.011730419	0.001018086	12.91054058	0.028012045	4.594768524	0.001018086	0.001018086	5.09043E-06	0.007299963	0.001276599	0.010027361	0.023143014	5.09043E-06	19.39850998	1.89589E-05	0.000279854	0.000289718	0.000932585
2037 Sep	58.49500656	0.05456214	0.011771007	0.00103268	13.08896351	0.028769759	4.664776325	0.00103268	0.00103268	5.1634E-06	0.007410413	0.00129159	0.010221473	0.023343202	5.1634E-06	19.59881973	1.90771E-05	0.000282307	0.000290419	0.000945774
2037 Oct	57.433815	0.05676486	0.011297595	0.00101878	12.92880249	0.029226314	4.632650852	0.00101878	0.00101878	5.0939E-06	0.007375852	0.001267278	0.01017014	0.022762962	5.0939E-06	19.18347549	1.86494E-05	0.000274895	0.000279065	0.000936695
2037 Nov	57.36380768	0.057333019	0.011231946	0.001018504	12.92847347	0.029386031	4.637485504	0.001018504	0.001018504	5.09252E-06	0.007386801	0.001265558	0.010184516	0.022703923	5.09252E-06	19.14815712	1.86103E-05	0.000274103	0.00027751	0.000937166
2037 Dec	57.38726044	0.057372931	0.011235196	0.001018945	12.93415737	0.02940309	4.639652252	0.001018945	0.001018945	5.09472E-06	0.007390336	0.001266071	0.010189371	0.022712396	5.09472E-06	19.1556778	1.86175E-05	0.000274203	0.000277593	0.000937591
2038 Jan	57.39332581	0.057383396	0.011236499	0.001018978	12.93586922	0.02940497	4.640273571	0.001018978	0.001018978	5.09489E-06	0.007390614	0.001266183	0.010189683	0.022715354	5.09489E-06	19.15809822	1.86179E-05	0.000274229	0.000277638	0.000937679
2038 Feb	57.4008522	0.057389759	0.011238706	0.001019	12.93785763	0.029404968	4.640942097	0.001019	0.001019	5.095E-06	0.007390676	0.001266322	0.01018968	0.022719435	5.095E-06	19.16127777	1.86185E-05	0.000274266	0.000277711	0.00093777
2038 Mar	57.41374207	0.057402015	0.01124163	0.001019168	12.94092369	0.029409468	4.642016888	0.001019168	0.001019168	5.09584E-06	0.007391841	0.001266591	0.010191238	0.022725139	5.09584E-06	19.16594887	1.86216E-05	0.000274328	0.000277793	0.000937962
2038 Apr	57.53899765	0.05752689	0.011266384	0.001021357	12.96924686	0.029472431	4.652163029	0.001021357	0.001021357	5.10678E-06	0.007407686	0.001269346	0.010213057	0.022775061	5.10678E-06	19.20796967	1.86616E-05	0.000274926	0.00027841	0.000939999
2038 May	59.2115593	0.058485243	0.011768832	0.001030696	13.37848949	0.029440157	4.786571503	0.001030696	0.001030696	5.15348E-06	0.007455727	0.001301053	0.010253634	0.023649713	5.15348E-06	19.88870049	1.89337E-05	0.000283603	0.000293819	0.000959831
2038 Jun	61.2810173	0.056308694	0.012922181	0.000997375	13.8805418	0.02677767	4.909121037	0.000997375	0.000997375	4.98687E-06	0.007138998	0.001328062	0.009694667	0.025241297	4.98687E-06	21.00170326	1.89549E-05	0.000297777	0.000331734	0.000962355
2038 Jul	63.79728699	0.058053054	0.0134347	0.001048871	14.40154839	0.028050499	5.093087196	0.001048871	0.001048871	5.24435E-06	0.0075064	0.001385768	0.010194513	0.026201643	5.24435E-06	21.80792427	1.99647E-05	0.000310379	0.000343071	0.00100379
2038 Aug	66.14637756	0.060165159	0.013868841	0.001093672	14.94790649	0.029564127	5.288371563	0.001093672	0.001093672	5.46836E-06	0.007793303	0.001440137	0.01067041	0.027117833	5.46836E-06	22.59259224	2.0539E-05	0.000321197	0.00035322	0.001043439
2038 Sep	65.88795471	0.061515689	0.013658549	0.001094738	14.93100834	0.030126255	5.295034409	0.001094738	0.001094738	5.47369E-06	0.007823423	0.001435057	0.010748781	0.02690191	5.47369E-06	22.46122932	2.03784E-05	0.000318694	0.000347564	0.00104406
2038 Oct	65.00699615	0.063072897	0.013270706	0.001085656	14.78367996	0.030518197	5.262238979	0.001085656	0.001085656	5.42828E-06	0.007808221	0.001415776	0.010726854	0.026407968	5.42828E-06	22.10534096	2.00766E-05	0.000312705	0.000337796	0.001036731
2038 Nov	65.07398987	0.063345581	0.013266473	0.001087259	14.80347919	0.030619005	5.270978451	0.001087259	0.001087259	5.4363E-06	0.00782407	0.001417227	0.010748537	0.026423467	5.4363E-06	22.12327194	2.00947E-05	0.000312876	0.000337697	0.001038378
2038 Dec	65.08213806	0.063375741	0.013266218	0.001087447	14.80582237	0.030630264	5.271993637	0.001087447	0.001087447	5.43724E-06	0.007825885	0.001417404	0.010751022	0.026425524	5.43724E-06	22.12552452	2.0097E-05	0.000312899	0.000337692	0.00103857
2039 Jan	65.08719635	0.063385792	0.013267267	0.001087465	14.80731964	0.030631851	5.27254343	0.001087465	0.001087465	5.43732E-06	0.007826056	0.001417494	0.010751186	0.026428048	5.43732E-06	22.12759209	2.00971E-05	0.00031292	0.000337732	0.001038644
2039 Feb	65.09408569	0.063391536	0.01326938	0.00108747	14.80918121	0.030631363	5.273165226	0.00108747	0.00108747	5.43735E-06	0.007825994	0.001417618	0.010751006	0.026431929	5.43735E-06	22.13059425	2.00973E-05	0.000312953	0.000337802	0.001038723

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2039 Mar	65.13506317	0.063430905	0.013278119	0.001088095	14.8186636	0.030648615	5.276519299	0.001088095	0.001088095	5.44047E-06	0.007830434	0.001418495	0.010757055	0.026449161	5.44047E-06	22.14488602	2.01089E-05	0.000313151	0.000338034	0.001039359
2039 Apr	65.27900696	0.063570783	0.013307685	0.001090465	14.85150528	0.03071519	5.288199902	0.001090465	0.001090465	5.45233E-06	0.007847462	0.001421622	0.010780419	0.026507951	5.45233E-06	22.19402885	2.01527E-05	0.000313843	0.000338792	0.001041647
2039 May	66.03094482	0.064285442	0.013465191	0.001102542	15.02331829	0.031047611	5.349084377	0.001102542	0.001102542	5.51271E-06	0.007933872	0.001437876	0.010898435	0.0268184	5.51271E-06	22.45260048	2.03785E-05	0.000317474	0.00034287	0.001053468
2039 Jun	57.66639328	0.050794717	0.011714153	0.001046916	12.63717842	0.027713938	4.480723381	0.001046916	0.001046916	5.23458E-06	0.007585786	0.001273743	0.010367892	0.022734471	5.23458E-06	19.10784531	2.02158E-05	0.000283319	0.000281879	0.000925692
2039 Jul	51.24108887	0.041064315	0.010252922	0.001000201	11.00568295	0.026598409	3.919604778	0.001000201	0.001000201	5.00101E-06	0.007097634	0.001166776	0.009752959	0.019906115	5.00101E-06	16.71391869	1.86755E-05	0.000250141	0.00023713	0.000848855
2039 Aug	49.5368576	0.037951391	0.009690681	0.001005302	10.69963455	0.028310316	3.847174644	0.001005302	0.001005302	5.02651E-06	0.006872417	0.001164219	0.00963849	0.019294797	5.02651E-06	16.14675331	1.71253E-05	0.000235013	0.000221841	0.000853051
2039 Sep	50.21046448	0.039702583	0.009724971	0.001019012	10.88694286	0.029071672	3.921325684	0.001019012	0.001019012	5.09506E-06	0.006983944	0.001178719	0.009828547	0.019497687	5.09506E-06	16.35222626	1.72412E-05	0.000237452	0.000222593	0.000866326
2039 Oct	50.07849503	0.041208193	0.009590157	0.001015515	10.90129471	0.029339643	3.936711311	0.001015515	0.001015515	5.07757E-06	0.006996735	0.00117363	0.009839579	0.019387601	5.07757E-06	16.2928257	1.71392E-05	0.000235899	0.000219855	0.000866475
2039 Nov	50.18754959	0.041355982	0.009607101	0.001017697	10.92658329	0.029415952	3.946210146	0.001017697	0.001017697	5.08848E-06	0.007013094	0.001176114	0.009862336	0.019427696	5.08848E-06	16.32771301	1.71745E-05	0.00023638	0.000220256	0.00086845
2039 Dec	50.20759201	0.041385714	0.009610041	0.001018096	10.93129921	0.029430527	3.947997093	0.001018096	0.001018096	5.09048E-06	0.00701615	0.001176568	0.009866577	0.019434972	5.09048E-06	16.33409882	1.71809E-05	0.000236466	0.000220326	0.000868817
2040 Jan	50.2114296	0.041393701	0.0096109	0.001018096	10.93245792	0.029431202	3.948415518	0.001018096	0.001018096	5.09048E-06	0.007016214	0.001176629	0.009866593	0.01943695	5.09048E-06	16.33571815	1.71809E-05	0.000236483	0.000220359	0.000868666
2040 Feb	50.21789169	0.041399524	0.009612723	0.001018124	10.93414497	0.029431518	3.94898653	0.001018124	0.001018124	5.09062E-06	0.007016351	0.00117675	0.00986671	0.019440349	5.09062E-06	16.33838844	1.71815E-05	0.000236514	0.000220418	0.000868946
2040 Mar	50.25321579	0.041428905	0.009619802	0.001018784	10.94198704	0.029450338	3.951797724	0.001018784	0.001018784	5.09392E-06	0.007020871	0.00117756	0.009873025	0.019454509	5.09392E-06	16.35018921	1.71928E-05	0.000236681	0.00022059	0.00086954
2040 Apr	50.36774063	0.041523468	0.009641902	0.001021075	10.96700764	0.029516408	3.960822344	0.001021075	0.001021075	5.10537E-06	0.007036639	0.001180235	0.009895178	0.019499114	5.10537E-06	16.38762283	1.72315E-05	0.000237221	0.000221102	0.000871512
2040 May	51.67085648	0.042499479	0.009996498	0.001031817	11.28186035	0.029657541	4.066628933	0.001031817	0.001031817	5.15908E-06	0.00710655	0.001205525	0.009975673	0.020137142	5.15908E-06	16.89441109	1.74959E-05	0.000243858	0.000231674	0.000888224
2040 Jun	54.64784241	0.042413887	0.011429945	0.000990251	12.0081234	0.026288606	4.25494957	0.000990251	0.000990251	4.95126E-06	0.00683693	0.001235382	0.00940987	0.022132011	4.95126E-06	18.36345863	1.79709E-05	0.000264754	0.000278838	0.000890946
2040 Jul	55.14551544	0.042028215	0.011502969	0.001014906	12.04550076	0.026791675	4.268130302	0.001014906	0.001014906	5.07453E-06	0.007012297	0.001251153	0.009648951	0.022216434	5.07453E-06	18.44561577	1.84849E-05	0.000267715	0.000277884	0.000901919
2040 Aug	56.3928299	0.042853691	0.011713644	0.001044079	12.331213	0.027852705	4.374070644	0.001044079	0.001044079	5.22039E-06	0.007177965	0.001284219	0.009929848	0.022701498	5.22039E-06	18.85329437	1.87498E-05	0.000272845	0.000282367	0.000926602
2040 Sep	56.53008652	0.043768954	0.011634624	0.001050321	12.40360451	0.02850003	4.403510094	0.001050321	0.001050321	5.2516E-06	0.007209563	0.001287821	0.010080512	0.02267128	5.2516E-06	18.87620735	1.8582E-05	0.000272801	0.000279621	0.000930565
2040 Oct	56.60411835	0.04522533	0.011544129	0.001052673	12.45421696	0.028906483	4.431542397	0.001052673	0.001052673	5.26337E-06	0.007257081	0.001288478	0.010142449	0.022637952	5.26337E-06	18.87874603	1.8572E-05	0.000272266	0.000277634	0.000934644
2040 Nov	56.71995544	0.045478888	0.011555586	0.00105494	12.48365974	0.02900812	4.443174362	0.00105494	0.00105494	5.2747E-06	0.007276315	0.001290996	0.010168814	0.02267703	5.2747E-06	18.91482925	1.86061E-05	0.000272721	0.000277932	0.000936886
2040 Dec	56.73187256	0.045502879	0.011556922	0.001055171	12.48663712	0.029018024	4.444337368	0.001055171	0.001055171	5.27586E-06	0.007278236	0.001291257	0.010171453	0.022681145	5.27586E-06	18.91857338	1.86096E-05	0.000272769	0.000277966	0.000937112
2041 Jan	56.73865891	0.045513727	0.011558321	0.00105523	12.48845577	0.029020516	4.444997311	0.00105523	0.00105523	5.27615E-06	0.007278708	0.001291388	0.010172041	0.022684263	5.27615E-06	18.92115784	1.86106E-05	0.000272798	0.000278012	0.000937214
2041 Feb	56.74723053	0.045521308	0.01156059	0.001055293	12.49062061	0.029021826	4.445737839	0.001055293	0.001055293	5.27647E-06	0.007279087	0.001291555	0.010172494	0.02268854	5.27647E-06	18.92455482	1.86118E-05	0.00027284	0.000278082	0.000937328
2041 Mar	56.77983475	0.045547843	0.011567516	0.001055847	12.49794865	0.029036822	4.448329449	0.001055847	0.001055847	5.27924E-06	0.007282876	0.001292282	0.010177746	0.022702038	5.27924E-06	18.93572044	1.86217E-05	0.000272997	0.000278257	0.000937852
2041 Apr	56.87878036	0.045627434	0.011587837	0.001057657	12.51981449	0.029086467	4.456102848	0.001057657	0.001057657	5.28829E-06	0.007295344	0.001294526	0.010195145	0.022741864	5.28829E-06	18.96888542	1.86536E-05	0.000273473	0.000278751	0.000939478
2041 May	57.45822144	0.046081997	0.011720333	0.001066231	12.65201473	0.029297773	4.502161503	0.001066231	0.001066231	5.33115E-06	0.007353749	0.00130701	0.010273899	0.022992766	5.33115E-06	19.17397308	1.88166E-05	0.000276316	0.000282274	0.000948277
2041 Jun	52.00430679	0.037993781	0.010568433	0.001029058	11.05640411	0.026762575	3.916922092	0.001029058	0.001029058	5.14529E-06	0.007206128	0.001192386	0.009983066	0.020219307	5.14529E-06	16.9372406	1.91377E-05	0.000255738	0.00024135	0.000859316
2041 Jul	47.35464478	0.031821437	0.009543309	0.000988544	9.817103386	0.025119292	3.475750923	0.000988544	0.000988544	4.94272E-06	0.006937522	0.001100414	0.009585424	0.01803101	4.94272E-06	15.14112282	1.86471E-05	0.000234992	0.000208711	0.000791128
2041 Aug	49.11872864	0.032983538	0.009858659	0.001029001	10.20317173	0.026426366	3.616323471	0.001029001	0.001029001	5.14501E-06	0.007188541	0.001144993	0.009982332	0.01869938	5.14501E-06	15.70642948	1.91631E-05	0.000242891	0.000215272	0.000823907
2041 Sep	49.69093323	0.034183025	0.009899058	0.001041024	10.36208916	0.027087266	3.67688632	0.001041024	0.001041024	5.20512E-06	0.007270948	0.001157891	0.010153262	0.018877076	5.20512E-06	15.88526917	1.92117E-05	0.000245052	0.000215978	0.000834731
2041 Oct	49.63999557	0.035957921	0.009767817	0.001038316	10.40640545	0.027460862	3.704942942	0.001038316	0.001038316	5.19158E-06	0.007287493	0.001154826	0.010171229	0.018806139	5.19158E-06	15.85893917	1.90809E-05	0.000243587	0.000213603	0.000836961
2041 Nov	49.79019547	0.036307763	0.009781245	0.001041239	10.4452095	0.027597405	3.720391512	0.001041239	0.001041239	5.2062E-06	0.007312738	0.00115807	0.010205784	0.018856172	5.2062E-06	15.90558529	1.91239E-05	0.000244162	0.000213963	0.000839905
2041 Dec	49.8107338	0.036339708	0.009784145	0.001041653	10.45003223	0.027612552	3.722224712	0.001041653	0.001041653	5.20827E-06	0.00731598	0.00115853	0.010210261	0.018863466	5.20827E-06	15.91205215	1.91307E-05	0.000244251	0.000214031	0.00084028
2042 Jan	49.82101059	0.036354028	0.009786259	0.001041768	10.45266247	0.0276167	3.723175049	0.001041768	0.001041768	5.20884E-06	0.007316846	0.001158737	0.01021139	0.018868038	5.20884E-06	15.91584301	1.91326E-05	0.000244297	0.000214096	0.000840438
2042 Feb	49.82830811	0.036360808	0.009788344	0.001041792	10.45459938	0.027616912	3.7238307	0.001041792	0.001041792	5.20896E-06	0.00731694	0.001158871	0.010211436	0.018871948	5.20896E-06	15.91890717	1.91332E-05	0.000244333	0.000214164	0.000840528
2042 Mar	49.85097504	0.036378145	0.00979315	0.001042195	10.45957565	0.027627381	3.725584507	0.001042195	0.001042195	5.21098E-06	0.007319735	0.001159379	0.01021529	0.018881153	5.21098E-06	15.92654514	1.91406E-05	0.000244444	0.000214282	0.000840891
2042 Apr	50.05865479	0.036530148	0.009834153	0.001046497	10.50327682	0.027741283	3.741139889	0.001046497	0.001046497	5.23248E-06	0.007349925	0.001164198	0.010257396	0.01896017	5.23248E-06	15.99312401	1.92197E-05	0.000245462	0.000215186	0.000844384
2042 May	51.15090179	0.037353393	0.010088287	0.001062463	10.75076103	0.028113836	3.826874018	0.001062463	0.001062463	5.31231E-06	0.007459343	0.001187574	0.010403354	0.019434474	5.31231E-06	16.3801384	1.95354E-05	0.000250886	0.000221934	0.000860722
2042 Jun	48.32550812	0.032905787	0.009575266	0.001033535	9.931172371	0.026311304	3.519611597	0.001033535	0.001033535	5.16767E-06	0.007317156	0.001124631	0.010137567	0.018082568	5.16767E-06	15.27033043	1.96508E-05	0.000240829	0.000204076	0.000810253
2042 Jul	45.93231201	0.029241998	0.009033475	0.001017553	9.307300568	0.025840057	3.304615259	0.001017553	0.001017553	5.08777E-06	0.007157844	0.001084488	0.009918688	0.017011344	5.08777E-06	14.36433601	1.9189E-05	0.000228734	0.000187173	0.000781426
2042 Aug	44.84051514	0.029551312	0.008575193	0.001000479	9.261491776	0.027107995	3.297164917	0.001000479	0.001000479	5.00239E-06	0.006882251	0.001067504	0.009951001	0.016531823	5.00239E-06	14.0519619	1.75007E-05	0.000219794	0.000175756	0.000770909
2042 Sep	44.71790695	0.031663112	0.008343555	0.000995182	9.377277374	0.028114466	3.345602274	0.000995182	0.000995182	4.97591E-06	0.006812579	0.001062709	0.010096216	0.016383188	4.97591E-06	14.02337456	1.6734E-05	0.00021731	0.000170242	0.000770391
2042 Oct	44.61657715	0.034187533	0.008170552	0.000988275	9.433864594	0.02848901	3.382861376	0.000988275	0.000988275	4.94138E-06	0.006821566	0.001056767	0.010077327	0.016294561	4.94138E-06	13.98756123	1.65561E-05	0.000215178	0.000167663	0.000772387
2042 Nov	44.75240707	0.034400094	0.008188987	0.00099109	9.465836525	0.028594052	3.395033598	0.00099109	0.00099109	4.95545E-06	0.006843354	0.001059836	0.010108172	0.016342018	4.95545E-06	14.02997684	1.66007E-05	0.000215764	0.000168082	0.000774895
2042 Dec	44.766922	0.034424707	0.008190845	0.000991387	9.46931076	0.028605599	3.396367073	0.000991387	0.000991387	4.95693E-06	0.0068457	0.001060162	0.010111471	0.016347049	4.95693E-06	14.03450584	1.66053E-05	0.000215826	0.000168125	0.000775165
2043 Jan	44.77278519	0.034434438	0.008192113	0.000991424	9.470921516	0.028607341	3.396950722	0.000991424	0.000991424	4.95712E-06	0.006846019	0.00106027	0.010111815	0.016349863	4.95712E-06	14.03680992	1.6606E-05	0.000215851	0.000168169	0.00077525
2043 Feb	44.77898026	0.034440089	0.008193877	0.000991447	9.472549438	0.028607544	3.397501707	0.000991447	0.000991447	4.95723E-06	0.006846125	0.001060385	0.010111879	0.016353158	4.95723E-06	14.03939152	1.66065E-05	0.000215881	0.000168226	0.000775327
2043 Mar	44.78997421	0.034449033	0.008196234	0.000991628	9.475049019	0.028612517	3.398380518	0.000991628	0.000991628	4.95814E-06	0.006847347	0.001060628	0.010113631	0.016357737	4.95814E-06	14.04318905	1.66096E-05	0.000215934	0.000168286	0.0007755
2043 Apr	44.96957397	0.034587447	0.008229296	0.000995569	9.513140678	0.028726075	3.412032604	0.000995569	0.000995569	4.97784E-06	0.006874541	0.001064871	0.010153768	0.016423652	4.97784E-06	14.09969807	1.66757E-05	0.0002168	0.000168972	0.0007786
2043 May	46.29891205	0.035607271	0.008558062	0.001011506	9.824186325	0.029065531	3.518661022	0.001011506	0.001011506	5.05753E-06	0.006981455	0.001092296	0.01029252	0.017031467	5.05753E-06	14.59017754	1.70038E-05	0.00022343	0.00017821	0.00079743
2043 Jun	50.48152161	0.037404653	0.010211647	0.000986361	10.86976814	0.026435435	3.836722612	0.000986361	0.000986361	4.9318E-06	0.006820037	0.00115246	0.009783283	0.019629605	4.9318E-06	16.51938438	1.76502E-05	0.000248002	0.000233456	0.00082666
2043 Jul	51.27175522	0.037085168	0.010323714	0.001019425	10.98941994	0.027395833	3.885854721	0.001019425	0.001019425	5.09712E-06	0.007015727	0.001180023	0.010059342	0.019872995	5.09712E-06	16.71524048	1.80828E-05	0.000251156	0.00023381	0.000847459
2043 Aug	52.59614944	0.038284831	0.01050172	0.001051047	11.31671715	0.02876788	4.004695415	0.001051047	0.001051047	5.25524E-06	0.007187353	0.001213993	0.010438483	0.020334801	5.25524E-06	17.13816833	1.82256E-05	0.000256625	0.000236816	0.000872454
2043 Sep	52.55580902	0.039217293	0.010375516	0.001052749	11.36616039	0.029392783	4.026295662	0.001052749	0.001052749	5.26375E-06	0.007181047	0.001213342	0.010558558	0.0202378	5.26375E-06	17.11048698	1.7907E-05	0.000255525	0.000233125	0.000873464
2043 Oct	52.30149078	0.042423926	0.010093158	0.001046596	11.4003315	0.030000862	4.06282568	0.001046596	0.001046596	5.23298E-06	0.007215726	0.001204307	0.010570835	0.020027101	5.23298E-06	16.99435043	1.77105E-05	0.000252081	0.000227587	0.000875678
2043 Nov	52.02173615	0.045155764	0.009836934	0.001040075	11.41703224	0.030494019	4.089889526	0.001040075	0.001040075	5.20038E-06	0.007237612	0.00119511	0.010569496	0.019821741	5.20038E-06	16.87440491	1.75202E-05	0.000248809	0.000222528	0.000876605
2043 Dec	52.03622437	0.045197465	0.009837683	0.001040356	11.42097759	0.030508945	4.091509342	0.001040356	0.001040356	5.20178E-06	0.007240223	0.001195416	0.010572983	0.019826293	5.20178E-06	16.87881851	1.75241E-05	0.000248859	0.000222552	0.000876904
2044 Jan	52.04658127	0.045214038	0.00983989	0.001040434	11.42377663	0.030512322	4.092523575	0.001040434	0.001040434	5.20217E-06	0.007240865	0.001195612	0.010573723	0.019831173	5.20217E-06	16.88282585	1.75254E-05	0.000248905	0.000222626	0.000877057
2044 Feb	52.07307053	0.045237299	0.009845931	0.00104079	11.43004513	0.030521911	4.094712734	0.00104079	0.00104079	5.20395E-06	0.007243247	0.001196174	0.010577044	0.01984288	5.20395E-06	16.89240265	1.75317E-05	0.000249032	0.000222793	0.000877455
2044 Mar	52.11494446	0.045273814	0.00985441	0.001041534	11.43948364	0.030543236	4.098063946	0.001041534	0.001041534	5.20767E-06	0.007248366	0.00119711	0.010584433	0.019859714	5.20767E-06	16.90652275	1.75444E-05	0.000249233	0.000223001	0.000878134
2044 Apr	52.20998764	0.045356452	0.009872694	0.001043381	11.46048355	0.030597152	4.105569363	0.001043381	0.001043381	5.2169E-06	0.007261192	0.001199279	0.010603115	0.01989642	5.2169E-06	16.93765259	1.75756E-05	0.000249688	0.000223424	0.000879721
2044 May	52.93554306	0.045973249	0.01001848	0.001056683	11.62197685	0.030973362	4.162894249	0.001056683	0.001056683	5.28342E-06	0.007353337	0.001215594	0.010735733	0.020184265	5.28342E-06	17.17969513	1.78062E-05	0.000253187	0.000226926	0.000891548
2044 Jun	49.04277039	0.038451754	0.009533859	0.001001698	10.45997334	0.027336162	3.716506481	0.001001698	0.001001698	5.00849E-06	0.007049165	0.001125669	0.010085603	0.018536884	5.00849E-06	15.74381638	1.80627E-05	0.000240546	0.000210284	0.000815929
2044 Jul	49.17780685	0.037197728	0.009556768	0.001025069	10.36531258	0.0275151	3.679062366	0.001025069	0.001025069	5.12535E-06	0.007232071	0.001133538	0.010304243	0.018430701	5.12535E-06	15.66600227	1.87373E-05	0.000242651	0.000206897	0.000820026
2044 Aug	51.62928009	0.039117061	0.010002362	0.00107784	10.9006443	0.029137103	3.870280743	0.00107784	0.00107784	5.3892E-06	0.007583503	0.001191534	0.010856565	0.019337349	5.3892E-06	16.44761276	1.95289E-05	0.000254306	0.000216222	0.000862174
2044 Sep	50.69326019	0.040851288	0.009584915	0.001059042	10.83350277	0.029789643	3.85938859	0.001059042	0.001059042	5.29521E-06	0.007433675	0.001169405	0.010840827	0.0188639	5.29521E-06	16.13964081	1.85671E-05	0.000247467	0.00020649	0.000850777
2044 Oct	50.4145813	0.043394811	0.009351471	0.001050615	10.85480309	0.030207261	3.886720181	0.001050615	0.001050615	5.25308E-06	0.007431983	0.001160325	0.010809416	0.018690042	5.25308E-06	16.03683281	1.83212E-05	0.000244191	0.000202325	0.000851251
2044 Nov	50.47039413	0.044027969	0.009323617	0.001051228	10.88391113	0.030363595	3.901285172	0.001051228	0.001051228	5.25614E-06	0.007448491	0.001161049	0.010827341	0.018695904	5.25614E-06	16.05160904	1.8311E-05	0.000244056	0.000201909	0.000853282
2044 Dec	50.48298645	0.044054225	0.009324946	0.001051476	10.88707256	0.030374378	3.90252614	0.001051476	0.001051476	5.25738E-06	0.007450566	0.001161324	0.010830197	0.018700181	5.25738E-06	16.05553818	1.83148E-05	0.000244107	0.000201943	0.000853523
2045 Jan	50.48753357	0.044063471	0.009326006	0.001051471	10.88846397	0.030375063	3.903032064	0.001051471	0.001051471	5.25736E-06	0.007450587	0.001161399	0.010830096	0.018702632	5.25736E-06	16.05750465	1.83147E-05	0.000244125	0.000201985	0.000853584
2045 Feb	50.49378967	0.04406907	0.009327918	0.001051474	10.89016342	0.030374568	3.903602123	0.001051474	0.001051474	5.25737E-06	0.007450528	0.00116151	0.010829904	0.018706167	5.25737E-06	16.06023598	1.83149E-05	0.000244156	0.000202049	0.000853656
2045 Mar	50.52241135	0.044094127	0.009333619	0.001052	10.89652824	0.030389465	3.905861855	0.001052	0.001052	5.26E-06	0.007454217	0.001162151	0.010835208	0.018717434	5.26E-06	16.06974602	1.83241E-05	0.000244294	0.000202186	0.000854121
2045 Apr	50.61536789	0.044175297	0.009351027	0.001053896	10.91668606	0.03044405	3.913075209	0.001053896	0.001053896	5.26948E-06	0.007467626	0.001164278	0.010854665	0.018752251	5.26948E-06	16.09954262	1.83572E-05	0.000244744	0.00020257	0.000855682
2045 May	51.21328354	0.04469711	0.009461595	0.001066329	11.04568768	0.030803101	3.959310293	0.001066329	0.001066329	5.33164E-06	0.007555712	0.001178028	0.010982688	0.018973932	5.33164E-06	16.28982353	1.85738E-05	0.000247635	0.000204968	0.000865785
2045 Jun	47.72615433	0.038173616	0.008882598	0.001035736	9.988437653	0.028459946	3.564423084	0.001035736	0.001035736	5.17868E-06	0.007398756	0.001104861	0.010618401	0.017346857	5.17868E-06	14.91498089	1.88754E-05	0.000235238	0.000183945	0.000806145
2045 Jul	46.97665024	0.035301939	0.008771256	0.001047402	9.652318954	0.028044362	3.437877655	0.001047402	0.001047402	5.23701E-06	0.007494746	0.001094847	0.01068472	0.016888376	5.23701E-06	14.5243578	1.94468E-05	0.000233636	0.000176532	0.000795861
2045 Aug	48.44146729	0.03647773	0.009010218	0.001081342	9.98095417	0.029222358	3.556476116	0.001081342	0.001081342	5.40671E-06	0.007708007	0.001130903	0.011054533	0.017411349	5.40671E-06	14.98490047	1.98445E-05	0.000240294	0.000181078	0.00082229
2045 Sep	48.57181549	0.037824269	0.008932238	0.001082233	10.07683849	0.029788602	3.597115755	0.001082233	0.001082233	5.41117E-06	0.00770814	0.001133133	0.011136897	0.017423196	5.41117E-06	15.03374386	1.95817E-05	0.0002398	0.000179536	0.000826271
2045 Oct	48.84508896	0.038671922	0.008944138	0.001087116	10.15450764	0.030075558	3.629201174	0.001087116	0.001087116	5.43558E-06	0.007754946	0.001138796	0.011199014	0.017511418	5.43558E-06	15.11911106	1.96431E-05	0.000240694	0.000180033	0.000831976
2045 Nov	48.94181061	0.038767077	0.008960727	0.001089233	10.17522907	0.030138604	3.63673377	0.001089233	0.001089233	5.44617E-06	0.007770402	0.00114103	0.011221173	0.017545806	5.44617E-06	15.14907169	1.96806E-05	0.000241157	0.000180375	0.000833655
2045 Dec	48.96280289	0.038793843	0.008963957	0.001089681	10.17992878	0.030153437	3.638483047	0.001089681	0.001089681	5.44841E-06	0.00777379	0.001141508	0.011225978	0.017553175	5.44841E-06	15.15558147	1.96882E-05	0.000241253	0.000180444	0.000834029
2046 Jan	48.96912384	0.038802698	0.008965263	0.001089751	10.18155193	0.030155953	3.639069557	0.001089751	0.001089751	5.44875E-06	0.007774312	0.001141635	0.011226653	0.017556002	5.44875E-06	15.15792179	1.96894E-05	0.000241281	0.000180484	0.000834126

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2046 Feb	48.97717285	0.038809624	0.00896722	0.001089842	10.1834898	0.030158162	3.639739037	0.001089842	0.001089842	5.44921E-06	0.007774911	0.0011418	0.011227456	0.017559718	5.44921E-06	15.16092777	1.96911E-05	0.000241321	0.00018054	0.000834241
2046 Mar	49.02369308	0.038846783	0.008976	0.001090829	10.19330597	0.030185305	3.643234968	0.001090829	0.001090829	5.45414E-06	0.007781925	0.001142872	0.011237549	0.017576849	5.45414E-06	15.17560768	1.9709E-05	0.00024155	0.000180726	0.000835021
2046 Apr	49.21695328	0.039000094	0.009011536	0.001095101	10.23357201	0.030303445	3.657619238	0.001095101	0.001095101	5.47551E-06	0.007812391	0.001147371	0.011281522	0.017646398	5.47551E-06	15.23559284	1.97862E-05	0.000242502	0.000181447	0.000838306
2046 May	49.96726227	0.039587494	0.009168709	0.001108636	10.39752865	0.030653806	3.715160131	0.001108636	0.001108636	5.54318E-06	0.007907497	0.001164027	0.011415115	0.017945673	5.54318E-06	15.48607159	2.00407E-05	0.00024622	0.000185217	0.000850195
2046 Jun	46.20164108	0.032955743	0.008661107	0.001050584	9.339465141	0.027421596	3.314146757	0.001050584	0.001050584	5.25292E-06	0.007548994	0.001078642	0.010730429	0.016417511	5.25292E-06	14.14578533	1.99128E-05	0.00023248	0.000169728	0.000780197
2046 Jul	43.01370621	0.027833223	0.008084413	0.001013716	8.489752769	0.025761811	3.008514643	0.001013716	0.001013716	5.06858E-06	0.00727373	0.001016336	0.010261308	0.015086715	5.06858E-06	12.99099541	1.94759E-05	0.000218193	0.000152476	0.00073242
2046 Aug	44.28845596	0.028835721	0.008276075	0.00104453	8.786204338	0.026944974	3.116479397	0.00104453	0.00104453	5.22265E-06	0.007452616	0.001049068	0.010602553	0.015539974	5.22265E-06	13.39362431	1.97312E-05	0.000223658	0.000155916	0.000756534
2046 Sep	43.97504425	0.031294581	0.00802015	0.001029726	8.877541542	0.027671838	3.162307739	0.001029726	0.001029726	5.14863E-06	0.007334191	0.001039142	0.010596879	0.015387384	5.14863E-06	13.33481979	1.88844E-05	0.000219648	0.000151553	0.000754232
2046 Oct	43.90843201	0.034870282	0.007802647	0.001018836	8.991989136	0.028241646	3.227303505	0.001018836	0.001018836	5.09418E-06	0.007322166	0.001032951	0.010549467	0.015332024	5.09418E-06	13.33415508	1.85258E-05	0.000216692	0.000149133	0.000758509
2046 Nov	43.98439407	0.0354781	0.007785114	0.001019189	9.026871681	0.028382944	3.243432045	0.001019189	0.001019189	5.09594E-06	0.007334695	0.00103404	0.01056298	0.015353704	5.09594E-06	13.36017513	1.8508E-05	0.00021667	0.00014906	0.0076064
2046 Dec	44.00444412	0.035510033	0.00778777	0.001019613	9.031542778	0.028398544	3.245214224	0.001019613	0.001019613	5.09806E-06	0.007338034	0.001034491	0.010567659	0.015360563	5.09806E-06	13.36635017	1.8515E-05	0.000216758	0.000149118	0.00076101
2047 Jan	44.01185226	0.035521917	0.00778938	0.001019662	9.033578873	0.028400835	3.245950699	0.001019662	0.001019662	5.09831E-06	0.007338425	0.001034631	0.010568102	0.015364132	5.09831E-06	13.3692646	1.85157E-05	0.00021679	0.000149173	0.000761119
2047 Feb	44.02290344	0.035531569	0.007792153	0.00101977	9.036286354	0.028403368	3.246882915	0.00101977	0.00101977	5.09885E-06	0.007339126	0.001034854	0.010569011	0.015369385	5.09885E-06	13.37348461	1.85178E-05	0.000216844	0.000149255	0.000761272
2047 Mar	44.09591293	0.035590895	0.007805522	0.001021381	9.051513672	0.028447961	3.252331972	0.001021381	0.001021381	5.10691E-06	0.007350673	0.00103655	0.010585586	0.015395637	5.10691E-06	13.39613438	1.85471E-05	0.000217203	0.000149527	0.000762514
2047 Apr	44.18551636	0.035663441	0.007821637	0.001023411	9.070044518	0.028504333	3.258977413	0.001023411	0.001023411	5.11705E-06	0.007365254	0.001038644	0.010606551	0.015427355	5.11705E-06	13.42362404	1.8584E-05	0.000217644	0.000149845	0.000764052
2047 May	45.75336456	0.03685119	0.008354316	0.001030774	9.471270561	0.028459538	3.392678738	0.0010295	0.0010295	5.14754E-06	0.007394758	0.001067518	0.01062118	0.01626033	5.14766E-06	14.07123947	1.87809E-05	0.000225535	0.000164672	0.000782546
2047 Jun	51.04623413	0.040221468	0.01229218	0.001031399	10.98026085	0.025923824	3.871748209	0.000992765	0.000992765	4.96484E-06	0.007069556	0.001146219	0.010066343	0.019502403	4.96849E-06	16.47645187	1.88326E-05	0.00025332	0.00023199	0.000822857
2047 Jul	52.81476974	0.041229963	0.013360228	0.001088399	11.34130001	0.026967956	3.999106646	0.00103577	0.00103577	5.18024E-06	0.007374117	0.001187947	0.010532553	0.020074852	5.1852E-06	16.96390343	1.96849E-05	0.000262182	0.000237476	0.000852225
2047 Aug	54.64798355	0.042984452	0.014276749	0.001137157	11.78665447	0.028282331	4.157476902	0.001072966	0.001072966	5.36652E-06	0.007610215	0.001229869	0.010988789	0.020714467	5.37258E-06	17.52657318	2.01345E-05	0.00027053	0.0002436	0.000882289
2047 Sep	54.12619781	0.04484459	0.015063215	0.001147514	11.82212067	0.028984874	4.181266308	0.001062345	0.001062345	5.31396E-06	0.007521729	0.001216005	0.011090802	0.02034351	5.322E-06	17.28929901	1.94434E-05	0.000265758	0.000235329	0.000875677
2047 Oct	53.63810349	0.047616612	0.015489005	0.001148913	11.8334837	0.029403025	4.207062244	0.001049752	0.001049752	5.25137E-06	0.007492052	0.001201237	0.011072619	0.020029146	5.26073E-06	17.07444	1.90901E-05	0.000261002	0.000228869	0.000872335
2047 Nov	53.61327744	0.048414081	0.015621196	0.001151324	11.8582468	0.029565407	4.221444607	0.001048505	0.001048505	5.24523E-06	0.007498571	0.001199712	0.011088445	0.01998633	5.25493E-06	17.05155373	1.90355E-05	0.000260272	0.000227645	0.000873122
2047 Dec	53.63576508	0.048454449	0.015639065	0.001152004	11.86424065	0.029581154	4.223691463	0.001048903	0.001048903	5.24723E-06	0.007501756	0.001200175	0.011093837	0.019993566	5.25696E-06	17.05801392	1.90422E-05	0.000260366	0.000227711	0.000873495
2048 Jan	53.64931488	0.048473481	0.015646968	0.001152263	11.86782837	0.029586812	4.224980831	0.001049063	0.001049063	5.24803E-06	0.007502955	0.001200443	0.01109577	0.019999135	5.25777E-06	17.06265068	1.9045E-05	0.000260427	0.000227788	0.000873695
2048 Feb	53.66997528	0.048492253	0.015653551	0.001152577	11.87275314	0.02959414	4.226697445	0.001049341	0.001049341	5.24942E-06	0.007504862	0.001200874	0.01109852	0.020008065	5.25916E-06	17.0699749	1.90502E-05	0.000260527	0.000227915	0.000873999
2048 Mar	53.67590332	0.048497669	0.015655581	0.001152635	11.87425804	0.029595215	4.227213383	0.001049389	0.001049389	5.24966E-06	0.007505161	0.00120099	0.011098923	0.020010939	5.25941E-06	17.07226753	1.90511E-05	0.000260555	0.000227961	0.000874078
2048 Apr	53.8521843	0.048657674	0.015709696	0.001156198	11.914011	0.029684488	4.241295338	0.001052588	0.001052588	5.26566E-06	0.00752788	0.001204871	0.011132491	0.020078942	5.27544E-06	17.12971497	1.91094E-05	0.00026141	0.000228785	0.000876883
2048 May	54.58013153	0.049315695	0.015923563	0.001171714	12.07544613	0.030081632	4.298727512	0.001066689	0.001066689	5.33621E-06	0.007628649	0.001221125	0.011281498	0.020351527	5.34612E-06	17.36196709	1.93656E-05	0.000264943	0.000231916	0.000888702
2048 Jun	49.73142242	0.041620437	0.016656186	0.00115591	10.7419548	0.027313225	3.806650877	0.001019569	0.001019569	5.10143E-06	0.007352454	0.001118092	0.010863621	0.018002657	5.1143E-06	15.39318466	1.93698E-05	0.000245591	0.000200051	0.000806601
2048 Jul	46.61375427	0.036091097	0.017539039	0.00116469	9.882947922	0.025975211	3.496118546	0.000999687	0.000999687	5.00278E-06	0.007204731	0.001059097	0.010673654	0.016457412	5.01835E-06	14.08108425	1.93454E-05	0.000232022	0.000177426	0.00075973
2048 Aug	47.44672775	0.037224118	0.018332003	0.001198396	10.16472626	0.027272293	3.600612164	0.001019266	0.001019266	5.10104E-06	0.007267084	0.001081808	0.010988785	0.016707404	5.11795E-06	14.32679367	1.90863E-05	0.000234208	0.000177463	0.000776581
2048 Sep	47.46152878	0.03924245	0.018702939	0.001204491	10.29407215	0.028001683	3.656022549	0.001015324	0.001015324	5.08159E-06	0.007228839	0.001079864	0.011093871	0.016631104	5.09945E-06	14.31966114	1.85947E-05	0.000232415	0.000174078	0.000778373
2048 Oct	47.28127289	0.041886512	0.018771444	0.001199995	10.35720062	0.028399618	3.697136879	0.0010057	0.0010057	5.03361E-06	0.007211723	0.001072125	0.011062977	0.01650843	5.05194E-06	14.2536478	1.83067E-05	0.000229493	0.000170973	0.000779342
2048 Nov	47.37365723	0.043005846	0.018801706	0.001201437	10.41337776	0.028649228	3.724232674	0.001005685	0.001005685	5.03357E-06	0.007231092	0.001072992	0.011086981	0.016521078	5.05205E-06	14.27962017	1.82632E-05	0.000229187	0.000170412	0.00078249
2048 Dec	47.39149857	0.043040644	0.018809747	0.00120189	10.41798115	0.028663371	3.726001978	0.001006026	0.001006026	5.03528E-06	0.007233883	0.001073371	0.0111091231	0.0165269	5.05377E-06	14.28491879	1.82686E-05	0.00022926	0.00017046	0.00078281
2049 Jan	47.40029526	0.043054722	0.018812308	0.001201967	10.42039967	0.028666222	3.726877213	0.001006089	0.001006089	5.0356E-06	0.007234386	0.001073538	0.01109186	0.016531043	5.05408E-06	14.28831196	1.82696E-05	0.000229298	0.000170523	0.000782939
2049 Feb	47.40981674	0.043063387	0.018815424	0.001202025	10.42288494	0.028667023	3.727722168	0.001006138	0.001006138	5.03584E-06	0.007234644	0.001073717	0.011092147	0.016535955	5.05433E-06	14.29217911	1.82706E-05	0.000229344	0.000170607	0.00078306
2049 Mar	47.44205475	0.043092679	0.018827856	0.001202742	10.43018532	0.028683813	3.730309486	0.001006739	0.001006739	5.03885E-06	0.007238912	0.001074428	0.01109863	0.016548065	5.05735E-06	14.30243969	1.82816E-05	0.0002295	0.00017075	0.000783572
2049 Apr	47.59160995	0.043228529	0.018887004	0.001206477	10.46318722	0.028772697	3.742098808	0.001009864	0.001009864	5.05449E-06	0.007261361	0.001077804	0.011133013	0.016600726	5.07305E-06	14.3478384	1.83384E-05	0.000230224	0.000171303	0.00078603
2049 May	48.31542587	0.043868244	0.019181622	0.001222344	10.62761021	0.029125236	3.800055981	0.001022896	0.001022896	5.11973E-06	0.007353886	0.001093604	0.011273159	0.016876562	5.13855E-06	14.58009529	1.8583E-05	0.000233749	0.000174676	0.000797325
2049 Jun	44.8208847	0.036730908	0.018774439	0.001181871	9.5747146132	0.026191527	3.399050236	0.000981315	0.000981315	4.91185E-06	0.007108703	0.001017532	0.010756481	0.015367841	4.93078E-06	13.26527596	1.88006E-05	0.000221874	0.000158008	0.000733145
2049 Jul	43.36311722	0.033481471	0.018909689	0.001182499	9.150094032	0.025572322	3.246466875	0.000974435	0.000974435	4.87765E-06	0.007032185	0.000993686	0.010624372	0.014705182	4.89728E-06	12.67813683	1.87732E-05	0.000215339	0.000148468	0.000713728
2049 Aug	45.30660248	0.035057951	0.019889109	0.001239347	9.594062805	0.027002171	3.406746149	0.001018866	0.001018866	5.10013E-06	0.007321294	0.001040445	0.011124196	0.015367872	5.12094E-06	13.25149059	1.94001E-05	0.000224159	0.000154409	0.000747726
2049 Sep	45.41266632	0.037772521	0.020000005	0.001239223	9.7534475533	0.027771924	3.477704048	0.001013657	0.001013657	5.07422E-06	0.007293921	0.001039618	0.011193047	0.015356912	5.0955E-06	13.298522	1.89215E-05	0.000222457	0.000152067	0.000752223
2049 Oct	45.36126328	0.040926803	0.019886743	0.001231225	9.859621048	0.028287427	3.536589622	0.001004168	0.001004168	5.02681E-06	0.007282123	0.001034248	0.011159739	0.015305382	5.04824E-06	13.29647541	1.8597E-05	0.000219868	0.000149849	0.000755921
2049 Nov	45.46282959	0.041578375	0.019960411	0.00123355	9.903786659	0.028441379	3.555938721	0.001004832	0.001004832	5.03017E-06	0.007296724	0.001035735	0.011182527	0.015331714	5.05176E-06	13.32661915	1.85845E-05	0.000219948	0.000149816	0.000758282
2049 Dec	45.48446274	0.041616924	0.019975498	0.001234197	9.90940094	0.02845742	3.558058262	0.001005244	0.001005244	5.03224E-06	0.007300029	0.001036191	0.01118792	0.015338547	5.05385E-06	13.33277893	1.85915E-05	0.000220038	0.000149874	0.000758652
2050 Jan	45.49526978	0.04163241	0.019979151	0.001234338	9.912234306	0.02846165	3.559080601	0.001005359	0.001005359	5.03281E-06	0.007300893	0.001036405	0.011189132	0.015343297	5.05443E-06	13.33671284	1.85934E-05	0.000220086	0.000149941	0.000758815
2050 Feb	45.50401306	0.04164033	0.019981867	0.001234388	9.914514542	0.028462363	3.559855938	0.001005403	0.001005403	5.03304E-06	0.007301123	0.00103657	0.011189377	0.015347828	5.05465E-06	13.34027958	1.85943E-05	0.000220129	0.000150019	0.000758925
2050 Mar	45.51297379	0.041648485	0.019985188	0.001234529	9.916671753	0.028465373	3.56060648	0.00100552	0.00100552	5.03362E-06	0.007301921	0.001036755	0.011190541	0.015351712	5.05523E-06	13.34345245	1.85965E-05	0.000220172	0.000150075	0.000759055
2050 Apr	45.61975861	0.041746173	0.020031728	0.001237367	9.94005394	0.028530682	3.568988562	0.001007832	0.001007832	5.0452E-06	0.007318688	0.001039177	0.011216204	0.015388223	5.06686E-06	13.37506962	1.86393E-05	0.000220689	0.000150442	0.000760825
2050 May	46.18891907	0.042251222	0.020271176	0.001250748	10.06745625	0.028827483	3.614124775	0.00101876	0.00101876	5.0999E-06	0.007397131	0.001051752	0.011334678	0.015597898	5.1218E-06	13.55289841	1.88461E-05	0.000223461	0.000152879	0.000769876
2050 Jun	45.43422318	0.038065881	0.019858235	0.001210146	9.747672081	0.026468584	3.467398882	0.000990664	0.000990664	4.95909E-06	0.007204021	0.001029377	0.010875189	0.015556243	4.97981E-06	13.41302204	1.9098E-05	0.000224117	0.000160231	0.000743586
2050 Jul	43.27789307	0.033993755	0.019304102	0.001187466	9.175805092	0.025686959	3.26617527	0.000970961	0.000970961	4.8605E-06	0.007001362	0.000993851	0.010555801	0.01470452	4.88093E-06	12.65241718	1.86187E-05	0.000213419	0.000148383	0.000716507
2050 Aug	44.37070847	0.034706943	0.019926215	0.001224032	9.443187714	0.02676986	3.367875814	0.000998817	0.000998817	5.00001E-06	0.007149182	0.001024533	0.010835936	0.015103614	5.02126E-06	12.98208904	1.88151E-05	0.000217343	0.000151396	0.000739696
2050 Sep	44.64137268	0.036681481	0.019996809	0.001227846	9.596509933	0.02746539	3.431116104	0.00099987	0.00099987	5.00534E-06	0.007157017	0.00102861	0.01094318	0.015162311	5.02686E-06	13.07757759	1.85257E-05	0.000217195	0.000150288	0.000745839
2050 Oct	45.00894928	0.037740935	0.020135824	0.001236284	9.702985764	0.02781825	3.473992348	0.0010061	0.0010061	5.03655E-06	0.007215276	0.001036014	0.011029147	0.015278339	5.05828E-06	13.18827057	1.86079E-05	0.000218451	0.000151034	0.000752974
2050 Nov	45.15089798	0.037888687	0.020221403	0.00124049	9.735427856	0.027908146	3.485723257	0.001009134	0.001009134	5.05175E-06	0.007237451	0.001039193	0.011064496	0.01532519	5.07359E-06	13.229002	1.86634E-05	0.000219119	0.000151486	0.000755321
2050 Dec	45.16964722	0.037916247	0.020232147	0.001241024	9.739995003	0.027921401	3.487425327	0.001009514	0.001009514	5.05366E-06	0.00724038	0.001039602	0.011069112	0.015331297	5.07551E-06	13.23442745	1.86699E-05	0.000219201	0.000151541	0.000755642
2051 Jan	45.18914032	0.037947167	0.020270066	0.001241965	9.749006271	0.027928585	3.491111867	0.001009625	0.001009625	5.05423E-06	0.007240649	0.001039738	0.011077042	0.015334381	5.07628E-06	13.23685741	1.86711E-05	0.000219264	0.000151585	0.000755808
2051 Feb	45.20185471	0.037963115	0.020288775	0.001242428	9.75409317	0.027932011	3.493133068	0.001009701	0.001009701	5.05462E-06	0.007240884	0.001039873	0.011080885	0.01533769	5.07676E-06	13.23944283	1.86722E-05	0.000219312	0.000151638	0.00075593
2051 Mar	45.22170258	0.037980039	0.020297382	0.001242912	9.758513451	0.027942706	3.494702101	0.001010093	0.001010093	5.05659E-06	0.00724367	0.001040317	0.01108512	0.01534494	5.07874E-06	13.24558735	1.86795E-05	0.000219408	0.000151721	0.000756249
2051 Apr	45.37465668	0.038108651	0.020365866	0.00124708	9.79159832	0.028036324	3.506542444	0.001013481	0.001013481	5.07355E-06	0.007267946	0.001043829	0.011122255	0.015397138	5.09577E-06	13.29057884	1.87421E-05	0.000220151	0.000152243	0.0007588
2051 May	46.45814133	0.039029405	0.020893764	0.001265065	10.0649786	0.028314982	3.602274418	0.001025838	0.001025838	5.13548E-06	0.007349846	0.001064997	0.011262652	0.01586346	5.15862E-06	13.66652393	1.89986E-05	0.000225416	0.000159329	0.00077346
2051 Jun	48.14884567	0.038597092	0.025143275	0.001286784	10.94363594	0.025090616	3.928719997	0.000964972	0.000964972	4.83333E-06	0.006859846	0.001046703	0.011240263	0.016661169	4.87886E-06	14.12255764	1.88072E-05	0.000235343	0.000187277	0.000752868
2051 Jul	47.99773407	0.037755609	0.026623543	0.001332876	11.0089922	0.025203938	3.9778897776	0.000973594	0.000973594	4.87744E-06	0.006899105	0.001036608	0.011634925	0.016230933	4.93219E-06	13.76518726	1.90474E-05	0.000234137	0.000179596	0.000747434
2051 Aug	48.35580063	0.038277127	0.026478453	0.001344738	11.14526463	0.026476374	4.030123234	0.000988356	0.000988356	4.95118E-06	0.00691290	0.001053888	0.011808328	0.016371666	5.00481E-06	13.91787815	1.85673E-05	0.0002338	0.000177861	0.000760882
2051 Sep	48.11489105	0.042298421	0.026408607	0.001337975	11.31289482	0.027382756	4.126718998	0.000974054	0.000974054	4.87988E-06	0.006850688	0.001040595	0.011896658	0.016128706	4.93625E-06	13.79421806	1.78788E-05	0.000229113	0.000171408	0.000761607
2051 Oct	47.79883957	0.051604688	0.02709692	0.001338968	11.76949024	0.028862726	4.391507149	0.000940324	0.000940324	4.7122E-06	0.006752519	0.001008204	0.012124932	0.015606371	4.77935E-06	13.48260212	1.68106E-05	0.000219712	0.000159316	0.000764003
2051 Nov	47.95726776	0.052773621	0.027174102	0.001342641	11.85080624	0.029147238	4.430191994	0.000941281	0.000941281	4.71707E-06	0.006776563	0.001009763	0.012182391	0.015628509	4.78497E-06	13.51701355	1.67806E-05	0.000219684	0.000158825	0.000767837
2051 Dec	47.97558594	0.052808385	0.027180905	0.001343084	11.85552406	0.02916168	4.432019234	0.000941632	0.000941632	4.71883E-06	0.006779418	0.001010152	0.012186782	0.015634509	4.78674E-06	13.52245426	1.67862E-05	0.000219758	0.000158875	0.000768168
2052 Jan	47.98292923	0.052819967	0.027182108	0.001343117	11.85747433	0.029163733	4.432707787	0.000941677	0.000941677	4.71905E-06	0.006779786	0.001010294	0.012187033	0.01563821	4.78696E-06	13.52547264	1.67869E-05	0.000219791	0.000158933	0.000768276
2052 Feb	47.99886322	0.052835532	0.027188741	0.001343358	11.86150837	0.029168578	4.434130669	0.000941858	0.000941858	4.71996E-06	0.006780996	0.001010612	0.012188989	0.015645184	4.78787E-06	13.53113556	1.67902E-05	0.000219867	0.000159037	0.0007685
2052 Mar	48.04455185	0.05288475	0.027213322	0.001344525	11.87285137	0.029193716	4.438324451	0.000942683	0.000942683	4.72409E-06	0.006786885	0.001011564	0.012199457	0.015661042	4.79206E-06	13.54464912	1.6805E-05	0.000220077	0.000159216	0.000769215
2052 Apr	48.13688278	0.052985784	0.027264895	0.001347047	11.89569759	0.029248361	4.446838856	0.000944454	0.000944454	4.73297E-06	0.006799614	0.001013502	0.01222227	0.015691675	4.80107E-06	13.57103062	1.68367E-05	0.000220501	0.000159537	0.000770684
2052 May	49.70399475	0.053951781	0.027644368	0.001352788	12.26858044	0.029209651	4.566838264	0.000952713	0.000952713	4.77419E-06	0.006844456	0.001043982	0.012226784	0.016538993	4.84151E-06	14.23156834	1.70832E-05	0.000228658	0.000174456	0.000789709
2052 Jun	53.04354095	0.053565159	0.029064815	0.00135715	13.06475258	0.027659813	4.816812992	0.000952813	0.000952813	4.77485E-06	0.006789158	0.001098991	0.012114045	0.018448628	4.84453E-06	15.64366341	1.77244E-05	0.000248417	0.000213482	0.000816217
2052 Jul	53.16564178	0.052298114	0.029360119	0.001387478	13.08792782	0.028638855	4.843470573	0.000975848	0.000975848	4.89024E-06	0.006852107	0.001116481	0.01229422	0.018449733	4.96148E-06	15.60941696	1.76494E-05	0.000246737	0.000210153	0.00083071
2052 Aug	53.88058472	0.052806694	0.029612741	0.001411365	13.28227806	0.029653331	4.917889595	0.0009962	0.0009962	4.9921E-06	0.006938282	0.001138012	0.012534766	0.018691925	5.06376E-06	15.82781601	1.7602E-05	0.000248934	0.00021082	0.000846938
2052 Sep	53.79753494	0.054410193	0.029512735	0.001412066	13.34951591	0.030284837	4.956575871	0.000994914	0.000994914	4.98574E-06	0.006932958	0.001134255	0.0126558	0.018552307	5.05834E-06	15.766675	1.72818E-05	0.000247165	0.000206471	0.000847882
2052 Oct	54.012146	0.056187622	0.029930644	0.00142415	13.49816799	0.0306949	5.032641888	0.000995404	0.000995404	4.98852E-06	0.006960724	0.001133563	0.012813005	0.01851197	5.06437E-06	15.75805283	1.72344E-05	0.000246889	0.000204626	0.000851856
2052 Nov	54.15934372	0.056373965	0.030030502	0.001428375	13.53839111	0.030782899	5.048332691	0.000997966	0.000997966	5.00138E-06	0.006978921	0.001136441	0.012852181	0.018558297	5.07757E-06	15.79793358	1.72775E-05	0.000247529	0.00020511	0.000854127
2052 Dec	54.17876434	0.05640465	0.030038707	0.001428851	13.54334164	0.030796567	5.050224781	0.000998329	0.000998329	5.0032E-06	0.006981722	0.001136852	0.012856752	0.018564831	5.07941E-06	15.80370998	1.72835E-05	0.000247612	0.000205172	0.000854461

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2053 Jan	54.1885376	0.056417674	0.030042086	0.001429002	13.5458498	0.03080081	5.051134586	0.000998452	0.000998452	5.00382E-06	0.006982628	0.00113705	0.012858101	0.018568944	5.08003E-06	15.80713463	1.72855E-05	0.000247656	0.000205228	0.000854611
2053 Feb	54.21022034	0.05643931	0.030052507	0.001429445	13.55131054	0.03081014	5.053114891	0.000998771	0.000998771	5.00541E-06	0.006984807	0.001137493	0.012861948	0.018577462	5.08164E-06	15.81418133	1.72912E-05	0.000247757	0.000205341	0.000854934
2053 Mar	54.27573395	0.056506999	0.030087957	0.001431103	13.56771088	0.030845743	5.05919981	0.000999934	0.000999934	5.01124E-06	0.006992911	0.001138861	0.012876783	0.018600507	5.08756E-06	15.83368874	1.73114E-05	0.000248057	0.000205606	0.000855957
2053 Apr	54.47399902	0.056713127	0.030197369	0.001436291	13.61728668	0.030957486	5.077668667	0.001003561	0.001003561	5.02942E-06	0.007018264	0.001143018	0.012923416	0.018668793	5.10602E-06	15.8917551	1.73743E-05	0.000248964	0.000206367	0.000859078
2053 May	57.93431854	0.059084434	0.032213278	0.001463709	14.60081863	0.030507056	5.431936264	0.001008411	0.001008411	5.05436E-06	0.007008222	0.001197445	0.01309761	0.020393517	5.13761E-06	17.2097702	1.77382E-05	0.000266417	0.000238809	0.000892873
2053 Jun	60.90334702	0.058266882	0.03369445	0.001422896	15.41121292	0.027311889	5.704755306	0.000963458	0.000963458	4.82994E-06	0.00663481	0.001229332	0.012620253	0.022411892	4.91895E-06	18.63949776	1.78307E-05	0.00028536	0.000286521	0.000899221
2053 Jul	61.90444565	0.058625277	0.034797076	0.001472124	15.65654755	0.027983982	5.812514305	0.000991585	0.000991585	4.9712E-06	0.006827744	0.001249586	0.013085065	0.022577189	5.06537E-06	18.78637314	1.84162E-05	0.000290247	0.000286651	0.000914286
2053 Aug	64.15145111	0.060708668	0.035890833	0.001527896	16.22299194	0.029386241	6.021858692	0.001032939	0.001032939	5.17837E-06	0.007088161	0.001298878	0.013607631	0.023385927	5.27511E-06	19.47453308	1.89632E-05	0.000300309	0.000295504	0.000950464
2053 Sep	65.73156738	0.062325183	0.036684655	0.001565655	16.62408638	0.030269636	6.169884205	0.00106006	0.00106006	5.31426E-06	0.007269621	0.001331774	0.013967125	0.023950007	5.41298E-06	19.95644951	1.93805E-05	0.000307583	0.000302	0.000974645
2053 Oct	66.07654572	0.063024133	0.036784559	0.001573305	16.71335411	0.030547727	6.204692841	0.001066514	0.001066514	5.34656E-06	0.007323167	0.001339106	0.01404626	0.024065744	5.44543E-06	20.06169128	1.94806E-05	0.000308968	0.00030297	0.000980983
2053 Nov	65.96175385	0.063325815	0.036618184	0.001569944	16.68655396	0.030626496	6.196596622	0.001065645	0.001065645	5.34215E-06	0.007327465	0.001337157	0.014028303	0.024012925	5.44044E-06	20.02739906	1.9445E-05	0.000308178	0.000301765	0.00098063
2053 Dec	65.97110748	0.063350812	0.03661938	0.001570142	16.68900681	0.030635975	6.197579861	0.001065835	0.001065835	5.3431E-06	0.007329167	0.001337361	0.014030544	0.0240159	5.44139E-06	20.03026199	1.94477E-05	0.000308211	0.000301781	0.000980822
2054 Jan	65.97851563	0.063362986	0.036620345	0.001570191	16.69092941	0.030638745	6.198261738	0.001065898	0.001065898	5.34342E-06	0.007329691	0.001337509	0.014030994	0.024019459	5.4417E-06	20.03320694	1.94487E-05	0.000308244	0.000301834	0.000980937
2054 Feb	65.99459076	0.063377857	0.036626857	0.001570412	16.69502449	0.030642925	6.199705601	0.001066064	0.001066064	5.34425E-06	0.007330764	0.001337826	0.014032773	0.024026684	5.44254E-06	20.03902626	1.94519E-05	0.000308321	0.000301945	0.000981158
2054 Mar	66.00266266	0.063385285	0.03663002	0.001570516	16.6970787	0.030644879	6.200426579	0.001066144	0.001066144	5.34464E-06	0.007331272	0.001337984	0.014033595	0.024030365	5.44294E-06	20.04198265	1.94534E-05	0.000308359	0.000302002	0.000981268
2054 Apr	66.22317505	0.063596882	0.03675165	0.001575713	16.75287247	0.03074624	6.221121788	0.001069676	0.001069676	5.36235E-06	0.007355543	0.001342451	0.01407997	0.024111077	5.46098E-06	20.10923386	1.95179E-05	0.00030939	0.000303023	0.000984541
2054 May	67.39073944	0.064424969	0.037005559	0.001583568	17.02381706	0.030862283	6.309177876	0.00107941	0.00107941	5.41097E-06	0.007418871	0.001366018	0.014125717	0.02470558	5.50894E-06	20.5803299	1.97555E-05	0.000315384	0.000312894	0.000999925
2054 Jun	65.36197662	0.059168842	0.034550775	0.0014677	16.29107285	0.02755017	5.997648239	0.001018818	0.001018818	5.10661E-06	0.00701241	0.00132225	0.013048575	0.024525411	5.19481E-06	20.31107521	1.93999E-05	0.000310915	0.000321228	0.000955247
2054 Jul	62.53100967	0.055110373	0.033986934	0.001465037	15.56337357	0.027524436	5.778125763	0.001011028	0.001011028	5.06792E-06	0.00690501	0.001275738	0.013052544	0.023071479	5.15925E-06	19.1179161	1.89748E-05	0.000296078	0.000295963	0.000924259
2054 Aug	62.53064346	0.055351883	0.03387852	0.001477635	15.6141777	0.028613534	5.80604744	0.001022832	0.001022832	5.12699E-06	0.006919298	0.001282054	0.013286124	0.02295631	5.21876E-06	19.06992722	1.8569E-05	0.000294588	0.000290312	0.000929836
2054 Sep	62.47019958	0.056424595	0.033952054	0.001487286	15.68290424	0.029413668	5.848955631	0.001026747	0.001026747	5.14678E-06	0.006925654	0.001280036	0.013522368	0.022764849	5.24057E-06	18.97467041	1.82434E-05	0.000293112	0.000284401	0.000930672
2054 Oct	62.0086937	0.058404237	0.033946086	0.001486592	15.66914654	0.029810805	5.879147053	0.001019298	0.001019298	5.10979E-06	0.006922073	0.001265854	0.013611231	0.022413714	5.20627E-06	18.72838974	1.80266E-05	0.000289156	0.000277209	0.000927062
2054 Nov	61.8539238	0.059166089	0.033923995	0.001486255	15.6655426	0.029973127	5.890245438	0.00101698	0.00101698	5.09828E-06	0.006924555	0.001261137	0.013643163	0.02229283	5.1956E-06	18.64539146	1.79533E-05	0.000287769	0.000274637	0.000926138
2054 Dec	61.89151001	0.059227735	0.033970237	0.001487666	15.67855072	0.029994793	5.896220207	0.001017462	0.001017462	5.10072E-06	0.006927932	0.001261674	0.013657924	0.022301048	5.19829E-06	18.65254211	1.79612E-05	0.000287915	0.000274712	0.000926617
2055 Jan	61.89803696	0.059239227	0.033970442	0.001487684	15.68024445	0.029997008	5.896808624	0.001017508	0.001017508	5.10095E-06	0.006928342	0.001261804	0.013658086	0.022304358	5.19851E-06	18.65527153	1.79619E-05	0.000287943	0.000274762	0.000926718
2055 Feb	61.90599442	0.059246253	0.033972271	0.001487703	15.68228149	0.02999723	5.897481441	0.001017538	0.001017538	5.1011E-06	0.006928483	0.001261955	0.013658045	0.022308694	5.19866E-06	18.65867233	1.79626E-05	0.000287982	0.000274838	0.000926818
2055 Mar	61.92897034	0.05926792	0.033983499	0.001488161	15.68811417	0.030006383	5.899623871	0.001017861	0.001017861	5.10272E-06	0.006930646	0.001262417	0.013662135	0.022317775	5.20031E-06	18.66614342	1.79684E-05	0.00028809	0.000274962	0.000927151
2055 Apr	62.08854294	0.059420455	0.034070276	0.001491942	15.72854424	0.030082567	5.914798737	0.001020452	0.001020452	5.11571E-06	0.006948271	0.001265667	0.013696779	0.022375738	5.21354E-06	18.71455002	1.80142E-05	0.000288833	0.000275683	0.000929534
2055 May	62.77235413	0.06007475	0.034445148	0.001508351	15.90176678	0.030413393	5.979927063	0.001031678	0.001031678	5.17199E-06	0.007024703	0.001279605	0.01384739	0.022622371	5.2709E-06	18.92079926	1.82124E-05	0.000292015	0.000278724	0.000939769
2055 Jun	55.68527222	0.04920093	0.032239296	0.001449422	13.80055714	0.027355783	5.261074066	0.000986263	0.000986263	4.94485E-06	0.006827099	0.001136692	0.013517884	0.019077128	5.04558E-06	16.03057671	1.85339E-05	0.000264393	0.000225814	0.00083036
2055 Jul	54.07734299	0.045994703	0.032273419	0.001462552	13.31975842	0.027002258	5.126003265	0.000989139	0.000989139	4.9597E-06	0.006854699	0.001106644	0.013713692	0.018087428	5.06521E-06	15.21800423	1.88189E-05	0.000257825	0.000209222	0.000807916
2055 Aug	55.48567581	0.04706179	0.03285487	0.00150154	13.66359806	0.028155537	5.256649494	0.001020826	0.001020826	5.11834E-06	0.007038328	0.001141585	0.014078978	0.018586598	5.2252E-06	15.64230442	1.9134E-05	0.000263677	0.000213638	0.000833956
2055 Sep	55.32892227	0.047995973	0.032134078	0.001490243	13.6418438	0.028812326	5.240403175	0.001022383	0.001022383	5.12573E-06	0.007037442	0.001142253	0.014075251	0.018527646	5.22926E-06	15.64982891	1.8779E-05	0.00026205	0.00021036	0.000836047
2055 Oct	55.52774429	0.04892236	0.032034054	0.001492346	13.69731617	0.029112266	5.263082027	0.001026508	0.001026508	5.14629E-06	0.007083409	0.001146853	0.01411246	0.018593021	5.24924E-06	15.71985912	1.88191E-05	0.000262525	0.000210398	0.000841298
2055 Nov	55.61780167	0.049199346	0.03202948	0.001493913	13.72122097	0.029210975	5.2726264	0.001028291	0.001028291	5.1552E-06	0.007100319	0.001148843	0.014131843	0.01862286	5.25806E-06	15.74897194	1.88425E-05	0.000262828	0.000210551	0.000843252
2055 Dec	55.63059616	0.049235996	0.032029599	0.001494147	13.72459412	0.029224295	5.27396822	0.001028543	0.001028543	5.15646E-06	0.007102647	0.001149124	0.014134645	0.018627105	5.25931E-06	15.75305653	1.88459E-05	0.000262873	0.000210575	0.000843521
2056 Jan	55.64334488	0.049254734	0.032032192	0.001494271	13.72788334	0.029229172	5.275140285	0.001028671	0.001028671	5.1571E-06	0.007103636	0.001149379	0.01413578	0.018632961	5.25995E-06	15.75790119	1.8848E-05	0.00026293	0.00021066	0.000843717
2056 Feb	55.65738297	0.049267344	0.032036681	0.001494396	13.73145676	0.029231502	5.276371002	0.001028779	0.001028779	5.15764E-06	0.007104293	0.001149652	0.014136675	0.018639827	5.26049E-06	15.76336288	1.88502E-05	0.000262998	0.000210772	0.000843903
2056 Mar	55.68584061	0.049292631	0.032051109	0.001495023	13.73853588	0.029243704	5.279013634	0.001029223	0.001029223	5.15987E-06	0.007107308	0.001150231	0.01414245	0.018650535	5.26275E-06	15.77223301	1.88584E-05	0.000263133	0.000210911	0.00084432
2056 Apr	55.85595322	0.049443267	0.032147929	0.001499513	13.78053856	0.029331502	5.295109272	0.001032321	0.001032321	5.1754E-06	0.007128674	0.001153739	0.014184839	0.018708169	5.27859E-06	15.82086658	1.89152E-05	0.000263938	0.000211574	0.000846891
2056 May	58.01210785	0.050959088	0.032330405	0.001494869	14.28802133	0.029138509	5.450220108	0.001038889	0.001038889	5.2079E-06	0.007162229	0.001195622	0.01407078	0.019964743	5.30827E-06	16.79837799	1.91789E-05	0.000275184	0.000234242	0.000873083
2056 Jun	60.90172195	0.051895592	0.032108203	0.001412458	15.00296688	0.026368206	5.659266472	0.000990318	0.000990318	4.96425E-06	0.006797415	0.001236818	0.013175442	0.022267772	5.05963E-06	18.48383713	1.89664E-05	0.000292536	0.000285281	0.000889401
2056 Jul	62.09831238	0.052300628	0.03281156	0.001457656	15.26455021	0.027363168	5.770451069	0.001024465	0.001024465	5.13534E-06	0.007010701	0.001267675	0.013587972	0.022611221	5.23349E-06	18.76878166	1.94853E-05	0.000297752	0.000287339	0.000912507
2056 Aug	62.73478317	0.052587558	0.032790549	0.001478807	15.41445732	0.028471025	5.827158451	0.001047518	0.001047518	5.25054E-06	0.007110633	0.001291266	0.01378315	0.022854507	5.34786E-06	18.98065186	1.94457E-05	0.000299292	0.000287628	0.000930849
2056 Sep	63.65343094	0.054183848	0.033006884	0.001499018	15.64893723	0.02925143	5.916472912	0.001065644	0.001065644	5.34123E-06	0.007246194	0.001311464	0.01401046	0.023163384	5.43883E-06	19.26462936	1.96695E-05	0.000303103	0.000290084	0.000947403
2056 Oct	62.96773911	0.055823006	0.032548994	0.00148601	15.54366875	0.029548433	5.899610519	0.001055593	0.001055593	5.29092E-06	0.007224267	0.001295484	0.013967372	0.022798849	5.38838E-06	19.0070591	1.93849E-05	0.000298283	0.000282919	0.000941812
2056 Nov	62.96011734	0.056385193	0.032662638	0.001489022	15.57218838	0.029681062	5.921518803	0.001054925	0.001054925	5.28772E-06	0.007229174	0.001293755	0.014022619	0.022745823	5.38642E-06	18.97308159	1.93498E-05	0.0002978	0.000281622	0.000942116
2056 Dec	62.97796249	0.056417808	0.032667622	0.001489409	15.57673168	0.029694555	5.923290253	0.001055257	0.001055257	5.28938E-06	0.007231853	0.001294135	0.014026689	0.022751918	5.38809E-06	18.97854614	1.93551E-05	0.000297874	0.000281678	0.000942436
2057 Jan	62.98946762	0.056433767	0.032670487	0.001489549	15.57967567	0.029699234	5.924351692	0.001055388	0.001055388	5.29003E-06	0.007232837	0.001294367	0.014027996	0.022756988	5.38875E-06	18.98275185	1.93573E-05	0.000297926	0.000281749	0.000942612
2057 Feb	63.0004425	0.056443617	0.032673936	0.001489646	15.58246613	0.029701071	5.925312996	0.001055472	0.001055472	5.29046E-06	0.007233354	0.00129458	0.014028698	0.022762356	5.38918E-06	18.98702431	1.9359E-05	0.000297979	0.000281836	0.000942758
2057 Mar	63.0538826	0.056491502	0.032700427	0.001490821	15.59572506	0.02972444	5.930300713	0.001056314	0.001056314	5.29467E-06	0.007239083	0.001295672	0.014039646	0.022782432	5.39347E-06	19.00365639	1.93745E-05	0.000298232	0.000282096	0.000943548
2057 Apr	63.25746155	0.056673896	0.032805305	0.001495583	15.64610195	0.029819366	5.949425697	0.001059693	0.001059693	5.31161E-06	0.007262223	0.001299851	0.014084431	0.022856425	5.41072E-06	19.06531334	1.94365E-05	0.000299195	0.000283019	0.000946588
2057 May	64.45113373	0.057609808	0.033164244	0.001509945	15.93000603	0.03008802	6.046472073	0.001072936	0.001072936	5.37786E-06	0.007350781	0.001324065	0.014200558	0.023407087	5.47707E-06	19.5079174	1.97181E-05	0.000305146	0.000291556	0.000963088
2057 Jun	61.319767	0.051856589	0.031551056	0.001423741	14.98335648	0.026915252	5.699128151	0.001013624	0.001013624	5.08078E-06	0.006988883	0.001252206	0.013462356	0.022328228	5.17749E-06	18.5437355	1.95102E-05	0.000295068	0.000283618	0.00090169
2057 Jul	61.48709488	0.051148068	0.031959932	0.001455804	14.96617317	0.027383212	5.714850903	0.00103592	0.00103592	5.19262E-06	0.007146606	0.001259384	0.013801511	0.022166051	5.2925E-06	18.42411232	1.9992E-05	0.000296268	0.00027857	0.000907024
2057 Aug	64.76920319	0.053841002	0.033560358	0.001534758	15.76481915	0.029068924	6.019032478	0.001094336	0.001094336	5.48534E-06	0.007534174	0.001329223	0.014554186	0.023351161	5.59E-06	19.41413689	2.09862E-05	0.000311705	0.000292702	0.000957627
2057 Sep	65.49420929	0.055133451	0.033680588	0.001550546	15.95076561	0.029756164	6.088971138	0.00110937	0.00110937	5.56052E-06	0.007642827	0.001345593	0.014743438	0.023591114	5.66519E-06	19.64052963	2.11351E-05	0.000314664	0.000294321	0.000971001
2057 Oct	65.25200653	0.056059323	0.033271175	0.001542366	15.90292358	0.029992836	6.073302269	0.001107279	0.001107279	5.54987E-06	0.007654287	0.001341479	0.014692796	0.023482084	5.65293E-06	19.57503891	2.10312E-05	0.000312759	0.000291608	0.000971019
2057 Nov	65.36321259	0.056305856	0.033289783	0.001544668	15.93151474	0.030090293	6.084568024	0.001109435	0.001109435	5.56066E-06	0.007672642	0.001343881	0.014718355	0.023519192	5.66372E-06	19.60935402	2.10636E-05	0.000313193	0.000291888	0.000973156
2057 Dec	65.38622284	0.056340765	0.033297695	0.001545178	15.93727016	0.030105514	6.086801052	0.001109853	0.001109853	5.56275E-06	0.007675873	0.001344365	0.014723587	0.023527179	5.66583E-06	19.61635208	2.10707E-05	0.000313293	0.000291969	0.000973547
2058 Jan	65.3904953	0.05634981	0.033297144	0.001545161	15.9384346	0.030106945	6.087189674	0.001109868	0.001109868	5.56282E-06	0.007676051	0.001344449	0.014723408	0.023529548	5.6659E-06	19.61830902	2.10707E-05	0.00031331	0.000292005	0.000973615
2058 Feb	65.39839172	0.056356926	0.033299219	0.001545203	15.94045925	0.030107714	6.087870598	0.001109912	0.001109912	5.56304E-06	0.007676295	0.001344601	0.014723615	0.023533653	5.66612E-06	19.62155151	2.10716E-05	0.000313349	0.000292075	0.000973717
2058 Mar	65.41780853	0.05637382	0.033308048	0.001545583	15.94524479	0.030115087	6.08964777	0.001110193	0.001110193	5.56445E-06	0.007678201	0.001344994	0.014727128	0.023541328	5.66755E-06	19.62784958	2.1077E-05	0.000313442	0.00029218	0.000973998
2058 Apr	65.554245	0.056491487	0.033376906	0.001548761	15.97853184	0.030177001	6.102331638	0.00111248	0.00111248	5.57591E-06	0.007694002	0.001347796	0.014757354	0.023590818	5.67922E-06	19.66905594	2.11204E-05	0.000314096	0.0002928	0.000976024
2058 May	68.15898132	0.059020296	0.035644367	0.001583101	16.80102921	0.030014344	6.466101646	0.001111809	0.001111809	5.57395E-06	0.007657201	0.001383311	0.015163861	0.024723655	5.68969E-06	20.5316391	2.12547E-05	0.000326481	0.000314029	0.00099917
2058 Jun	68.4253006	0.05829278	0.036755305	0.001488882	17.11590004	0.026027313	6.677560329	0.001006481	0.001006481	5.04856E-06	0.006877431	0.001350778	0.014465042	0.025570037	5.1775E-06	21.00550461	1.99762E-05	0.000330319	0.000345344	0.000963544
2058 Jul	69.03495789	0.058339745	0.037673499	0.001531859	17.25751686	0.02666438	6.774093151	0.001030154	0.001030154	5.16768E-06	0.007038956	0.001363842	0.01494969	0.025547545	5.30305E-06	20.99934959	2.04415E-05	0.000333229	0.000342333	0.000973658
2058 Aug	70.59680176	0.059514541	0.038257938	0.001570759	17.63988686	0.027826265	6.920986176	0.001062481	0.001062481	5.32952E-06	0.007224813	0.001401681	0.015325484	0.026127208	5.46644E-06	21.48626709	2.07686E-05	0.000339844	0.000348139	0.001001617
2058 Sep	69.75626373	0.060903843	0.037064072	0.00155005	17.44112968	0.028494105	6.838436127	0.001059806	0.001059806	5.31552E-06	0.007241995	0.001389517	0.015202186	0.025744682	5.44716E-06	21.24334526	2.04225E-05	0.000334283	0.000339084	0.000998446
2058 Oct	69.227005	0.062590636	0.036696099	0.001544046	17.36500168	0.028961966	6.83488512	0.001055321	0.001055321	5.2931E-06	0.007256205	0.001377867	0.015230267	0.025413498	5.42492E-06	21.01773834	2.02186E-05	0.000330196	0.000331799	0.000995995
2058 Nov	69.36051178	0.063007317	0.036908425	0.001550339	17.41978455	0.029091861	6.86763525	0.00105688	0.00105688	5.30109E-06	0.007270936	0.001379231	0.015316537	0.025420055	5.43453E-06	21.02811623	2.02367E-05	0.000330581	0.000331505	0.000997792
2058 Dec	69.36933899	0.06303101	0.036908831	0.001550519	17.42208862	0.029101033	6.868555546	0.001057063	0.001057063	5.302E-06	0.007272576	0.001379426	0.01531865	0.025422867	5.43544E-06	21.03083229	2.02392E-05	0.000330613	0.00033152	0.000997976
2059 Jan	69.37263489	0.063039243	0.036907464	0.001550481	17.42297745	0.02910229	6.86881876	0.001057071	0.001057071	5.30204E-06	0.007272708	0.001379494	0.015318239	0.025424868	5.43547E-06	21.03249741	2.02391E-05	0.000330626	0.000331551	0.000998034
2059 Feb	69.3808136	0.063046575	0.03690958	0.001550522	17.42507553	0.029103035	6.869522572	0.001057115	0.001057115	5.30226E-06	0.007272948	0.001379651	0.015318428	0.025429139	5.43569E-06	21.03586769	2.024E-05	0.000330666	0.000331624	0.000998139
2059 Mar	69.38523102	0.063050516	0.036910649	0.001550542	17.42620277	0.029103424	6.869896889	0.001057139	0.001057139	5.30238E-06	0.007273077	0.001379736	0.015318506	0.025431463	5.43581E-06	21.03770065	2.02405E-05	0.000330687	0.000331663	0.000998196
2059 Apr	69.54991913	0.063200116	0.036997523	0.001554177	17.46757317	0.029171664	6.886166096	0.001059624	0.001059624	5.31484E-06	0.007290149	0.00138301	0.015354351	0.025492227	5.44858E-06	21.08791542	2.02881E-05	0.000331472	0.000332461	0.001000562
2059 May	71.00849915	0.06422101	0.037326578	0.001559746	17.82069588	0.029177168	7.004148483	0.001067456	0.001067456	5.35396E-06	0.007335108	0.001410981	0.015378424	0.026265755	5.48733E-06	21.69336891	2.05134E-05	0.000338969	0.000345953	0.001018446
2059 Jun	72.60636902	0.064094186	0.037231307	0.001520558	18.1695783	0.027692081	7.110566139	0.001046801	0.001046801	5.25034E-06	0.007171364	0.00143583	0.01497384	0.027492421	5.38144E-06	22.5907402	2.05342E-05	0.000349168	0.000372911	0.001027416
2059 Jul	75.6967926	0.066445038	0.038735826	0.001593021	18.9006424	0.029064542	7.397366524	0.001100454	0.001100454	5.51926E-06	0.007541001	0.001500251	0.015684722	0.028608607	5.65553E-06	23.51466942	2.15845E-05	0.000364219	0.000386871	0.001073506
2059 Aug	78.72483063	0.069050595	0.040174548	0.001658738	19.65390587	0.030469898	7.690496445	0.001148382	0.001148382	5.75951E-06	0.007854819	0.001563058	0.016334195	0.029748591	5.90061E-06	24.45816422	2.23907E-05	0.00037843	0.000401409	0.001118786
2059 Sep	78.86391449	0.070459418	0.039803106	0.001661759	19.6956768	0.031175401	7.704116344	0.001157457	0.001157457	5.80467E-06	0.007937893	0.00156877	0.016413521	0.029745935	5.94384E-06	24.50216103	2.23775E-05	0.000378144	0.000398757	0.001126346
2059 Oct	74.56276703	0.072163597	0.036452863	0.001573646	18.67634392	0.031466253	7.326226234	0.001112479	0.001112479	5.57831E-06	0.007760285	0.001488194	0.015690476	0.027892355	5.70539E-06	23.11404228	2.11653E-05	0.000353712	0.0003657	0.001084154
2059 Nov	74.27922821	0.072839051	0.036392145	0.001572724	18.63848305	0.031652786	7.330129623	0.001109629	0.001109629	5.56417E-06	0.007758974	0.001481325	0.015732104	0.027701939	5.69229E-06	22.97739792	2.10615E-05	0.000351654	0.000361816	0.001081581

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2059 Dec	74.28762054	0.072864987	0.03640151	0.001573059	18.64152718	0.0316616	7.331885815	0.001109756	0.001109756	5.56481E-06	0.007760166	0.001481442	0.015736753	0.02770289	5.69301E-06	22.97854614	2.10631E-05	0.00035168	0.000361803	0.001081944
2060 Jan	74.29812622	0.072879992	0.036404189	0.001573184	18.64426041	0.031665839	7.332892895	0.00110987	0.00110987	5.56538E-06	0.007761027	0.001481651	0.015737986	0.027707508	5.69358E-06	22.9823761	2.1065E-05	0.000351727	0.000361868	0.001082104
2060 Feb	74.31206512	0.07289277	0.03640892	0.001573337	18.64779091	0.031668864	7.33414793	0.001109997	0.001109997	5.56602E-06	0.007761836	0.001481923	0.015739279	0.027714014	5.69422E-06	22.98758507	2.10675E-05	0.000351794	0.000361971	0.001082293
2060 Mar	74.34494781	0.072924547	0.036423896	0.001573957	18.65606117	0.031681295	7.337327957	0.001110444	0.001110444	5.56826E-06	0.007764921	0.001482576	0.015745346	0.027726986	5.69651E-06	22.99824715	2.1076E-05	0.00035195	0.00036215	0.001082764
2060 Apr	74.59260559	0.073167197	0.036544595	0.001579157	18.71821976	0.03178595	7.361733437	0.001114118	0.001114118	5.58668E-06	0.007790592	0.001487513	0.015797293	0.027819745	5.71536E-06	23.07513046	2.11458E-05	0.000353123	0.000363367	0.001086367
2060 May	76.60552216	0.073825531	0.037175979	0.001568774	19.23088264	0.030971423	7.543767929	0.001106111	0.001106111	5.54676E-06	0.007697802	0.001520804	0.015667597	0.029053392	5.67667E-06	23.99741936	2.12178E-05	0.000364215	0.000388196	0.001103594
2060 Jun	75.7244873	0.069995232	0.036663502	0.001491989	18.96569443	0.028080421	7.449863911	0.001046888	0.001046888	5.25051E-06	0.007239055	0.001492209	0.01494962	0.029246049	5.3803E-06	24.01159668	2.06227E-05	0.000363562	0.000402433	0.001070389
2060 Jul	78.66792297	0.072282709	0.038258955	0.001564906	19.67235184	0.029408442	7.744079113	0.001097894	0.001097894	5.50638E-06	0.007591852	0.00155238	0.015703948	0.030262243	5.64299E-06	24.85360909	2.16317E-05	0.000377862	0.000414858	0.001113631
2060 Aug	79.05463409	0.072642066	0.037981551	0.001579666	19.76535416	0.030539941	7.768212318	0.001118131	0.001118131	5.60735E-06	0.007679984	0.001568734	0.015912026	0.030353004	5.74203E-06	24.97838783	2.14942E-05	0.00037873	0.000412336	0.001125987
2060 Sep	74.51972961	0.070737965	0.034832891	0.001505846	18.68229675	0.031237178	7.337445736	0.001083356	0.001083356	5.43209E-06	0.007401222	0.001489892	0.015447571	0.028314566	5.55532E-06	23.47529793	1.97578E-05	0.000354571	0.000374687	0.001074603
2060 Oct	73.55459595	0.072565176	0.034823168	0.001505588	18.54509735	0.03168482	7.3528862	0.001072987	0.001072987	5.38077E-06	0.007388163	0.001465721	0.01560535	0.027660493	5.50869E-06	22.99087334	1.94715E-05	0.000347925	0.000362	0.001064994
2060 Nov	73.24349213	0.073276021	0.035004653	0.00150908	18.518713	0.031845827	7.377990723	0.001068784	0.001068784	5.36012E-06	0.007378786	0.001456499	0.01571708	0.027409717	5.49123E-06	22.80249405	1.93648E-05	0.000345664	0.000357218	0.001061185
2060 Dec	73.2806015	0.073340401	0.035060387	0.001510591	18.53183174	0.031866129	7.385906696	0.001069154	0.001069154	5.36202E-06	0.007381549	0.001456941	0.015737699	0.027415235	5.49355E-06	22.80733871	1.93717E-05	0.000345814	0.000357251	0.001061582
2061 Jan	73.28747559	0.07335344	0.035065826	0.001510712	18.53406525	0.031868443	7.387013912	0.001069182	0.001069182	5.36216E-06	0.007381798	0.001457041	0.015739413	0.027417712	5.49372E-06	22.8093605	1.93721E-05	0.000345841	0.000357288	0.001061666
2061 Feb	73.29573059	0.073360451	0.035067573	0.001510728	18.53617859	0.031868584	7.387692451	0.001069212	0.001069212	5.36232E-06	0.007381929	0.001457199	0.015739281	0.02742227	5.49387E-06	22.81292343	1.93728E-05	0.000345882	0.000357368	0.00106177
2061 Mar	73.31518555	0.073379248	0.035075657	0.001511045	18.54111099	0.031875182	7.389567852	0.001069448	0.001069448	5.3635E-06	0.007383511	0.001457583	0.015742417	0.027430354	5.49508E-06	22.81952477	1.93772E-05	0.000345974	0.000357485	0.001062043
2061 Apr	73.55024719	0.073614113	0.035187397	0.001515841	18.60056114	0.031976305	7.413208961	0.001072849	0.001072849	5.38055E-06	0.007406967	0.001462254	0.015792286	0.027518759	5.51255E-06	22.89300156	1.94388E-05	0.000347084	0.000358643	0.001065444
2061 May	75.99725342	0.074601918	0.036642902	0.001525341	19.25170517	0.031174142	7.689003468	0.001068415	0.001068415	5.3592E-06	0.007344439	0.001499901	0.015908338	0.028815733	5.49837E-06	23.85365486	1.96983E-05	0.000360307	0.000384577	0.001085913
2061 Jun	73.74482727	0.069090076	0.037193552	0.001461897	18.69312668	0.027523542	7.590605736	0.000991448	0.000991448	4.97566E-06	0.006786812	0.001434374	0.015454105	0.028114161	5.12685E-06	23.1072731	1.91071E-05	0.000353464	0.000386035	0.001026582
2061 Jul	76.06272125	0.070650801	0.038565397	0.001528101	19.24432945	0.028798869	7.840000153	0.001037113	0.001037113	5.20484E-06	0.007089448	0.001484008	0.016163422	0.028853504	5.36313E-06	23.71942902	1.9926E-05	0.000364414	0.0003939	0.001062657
2061 Aug	79.01971436	0.073264837	0.039937858	0.001590426	19.98602867	0.030198717	8.139569283	0.001082589	0.001082589	5.43288E-06	0.007382175	0.001545494	0.016809028	0.029975465	5.59651E-06	24.64503479	2.06501E-05	0.000378108	0.000408219	0.001107189
2061 Sep	79.23748779	0.074143201	0.039718889	0.001595961	20.04185677	0.030781906	8.154582024	0.001092083	0.001092083	5.48018E-06	0.007451878	0.001552602	0.016899075	0.030017016	5.64238E-06	24.71460915	2.06561E-05	0.000378573	0.000406775	0.001114122
2061 Oct	75.62304688	0.075208776	0.03749264	0.001537645	19.20397377	0.030986357	7.861088753	0.001056832	0.001056832	5.30312E-06	0.007316774	0.001482591	0.016439768	0.028344959	5.45878E-06	23.44734001	1.97584E-05	0.00035816	0.000377142	0.001076765
2061 Nov	74.86250305	0.076105691	0.037526369	0.001536888	19.0821228	0.031204548	7.866391182	0.001048113	0.001048113	5.25997E-06	0.007289522	0.001463831	0.016555738	0.027850559	5.41942E-06	23.07391548	1.95322E-05	0.000353319	0.000367961	0.001067804
2061 Dec	74.87899017	0.076141417	0.037537392	0.001537363	19.08699036	0.031217733	7.868905544	0.001048377	0.001048377	5.2613E-06	0.007291761	0.001464123	0.016562056	0.02785462	5.42084E-06	23.07770729	1.95363E-05	0.000353383	0.000367985	0.001068071
2062 Jan	74.88798523	0.076155514	0.037539512	0.001537454	19.08938599	0.031221295	7.869089151	0.001048463	0.001048463	5.26173E-06	0.007292433	0.001464299	0.016563024	0.027858647	5.42127E-06	23.08104515	1.95377E-05	0.000353422	0.000368043	0.001068208
2062 Feb	74.90233612	0.076168664	0.037544142	0.001537596	19.09303284	0.0312241	7.871106148	0.001048583	0.001048583	5.26233E-06	0.007293185	0.001464578	0.016564218	0.027865471	5.42187E-06	23.08649635	1.954E-05	0.000353491	0.000368152	0.0010684
2062 Mar	74.97531891	0.076242097	0.037579328	0.00153901	19.1116333	0.031252787	7.878661156	0.00104956	0.00104956	5.26723E-06	0.007299939	0.001466004	0.01657928	0.027893439	5.42692E-06	23.10955429	1.95583E-05	0.000353837	0.000368532	0.001069434
2062 Apr	75.22941589	0.076500028	0.037705891	0.001544178	19.17639923	0.031357713	7.905295849	0.001053092	0.001053092	5.28496E-06	0.007324477	0.001470972	0.016634848	0.027988436	5.44518E-06	23.18819618	1.96242E-05	0.000355036	0.000369793	0.001073054
2062 May	75.94378662	0.077226155	0.038063526	0.00155882	19.35848427	0.031655028	7.980326176	0.001063082	0.001063082	5.33509E-06	0.007393948	0.00148494	0.016792525	0.028254423	5.49683E-06	23.408535	1.98103E-05	0.000358408	0.00037331	0.001083242
2062 Jun	66.95339966	0.063443281	0.033958428	0.00146969	16.61961746	0.028761376	6.928477287	0.001021003	0.001021003	5.12312E-06	0.007186563	0.001324366	0.015924096	0.024068592	5.27191E-06	20.02038765	1.98514E-05	0.00032147	0.000308045	0.000960531
2062 Jul	62.88924789	0.056589793	0.032612216	0.001453095	15.38463402	0.027885005	6.505843163	0.001012943	0.001012943	5.08274E-06	0.007137661	0.001255211	0.015825789	0.022012889	5.23108E-06	18.34594536	1.99357E-05	0.000304096	0.000274126	0.000908284
2062 Aug	62.32915878	0.055919416	0.031694714	0.001448035	15.26199055	0.029020891	6.435713768	0.00102249	0.00102249	5.12988E-06	0.007105473	0.001258298	0.015794722	0.021805543	5.27318E-06	18.21919441	1.92754E-05	0.000299295	0.000266752	0.000911817
2062 Sep	61.76121521	0.058280014	0.031801149	0.001449427	15.26626968	0.0297885	6.509656429	0.001012806	0.001012806	5.0821E-06	0.007063143	0.001241415	0.016051516	0.021330133	5.23098E-06	17.89922142	1.87463E-05	0.00029426	0.000256291	0.000906372
2062 Oct	59.47184753	0.065796569	0.032634016	0.001442296	15.14938545	0.030851338	6.743718624	0.000959615	0.000959615	4.81871E-06	0.006872103	0.001168745	0.016640497	0.01967247	4.98983E-06	16.67208481	1.74565E-05	0.00027639	0.000225399	0.000878105
2062 Nov	59.62218475	0.066718586	0.032794584	0.001448395	15.2163763	0.031111732	6.790412903	0.00096141	0.00096141	4.82791E-06	0.006899978	0.001170218	0.016754206	0.019666592	5.00095E-06	16.6812191	1.74621E-05	0.000276556	0.000224434	0.000881201
2062 Dec	59.63872147	0.066750802	0.032798339	0.001448743	15.22060299	0.031124847	6.792136669	0.000961718	0.000961718	4.82946E-06	0.00690252	0.001170568	0.016758202	0.019672114	5.0025E-06	16.68622589	1.74669E-05	0.000276623	0.000224481	0.000881503
2063 Jan	59.64764786	0.066763729	0.032799482	0.001448815	15.22288227	0.031128151	6.792905331	0.000961807	0.000961807	4.8299E-06	0.006903202	0.00117075	0.016758777	0.019676358	5.00294E-06	16.68972588	1.74684E-05	0.000276663	0.000224543	0.000881641
2063 Feb	59.66008759	0.066775329	0.032803539	0.001448943	15.22604465	0.031130766	6.794045925	0.000961915	0.000961915	4.83044E-06	0.006903884	0.001170992	0.016759913	0.019682206	5.00349E-06	16.69440651	1.74704E-05	0.000276723	0.000224636	0.000881809
2063 Mar	59.67647171	0.066792406	0.032811031	0.001449246	15.23021984	0.031137206	6.795761585	0.000962129	0.000962129	4.83151E-06	0.006905369	0.001171313	0.016763231	0.019688563	5.00459E-06	16.699646	1.74744E-05	0.0002768	0.000224723	0.000882042
2063 Apr	59.78764343	0.066916101	0.032871284	0.00145891	15.25858688	0.031194005	6.808335304	0.000963892	0.000963892	4.84037E-06	0.006917997	0.001173494	0.016793724	0.019725783	5.01376E-06	16.73112869	1.75065E-05	0.000277317	0.000225156	0.00088368
2063 May	61.69432068	0.067629114	0.033016779	0.0014485	15.68859863	0.030903047	6.917023182	0.000971553	0.000971553	4.87822E-06	0.00694835	0.001211738	0.016636306	0.020868035	5.04776E-06	17.61155319	1.77993E-05	0.000287618	0.000246104	0.000906449
2063 Jun	61.86843872	0.058956623	0.031989466	0.001335074	15.40649033	0.025600502	6.674370766	0.00090703	0.00090703	4.55412E-06	0.006403127	0.001208315	0.015158642	0.022192894	4.71167E-06	18.39457703	1.79178E-05	0.000297858	0.000287852	0.000873942
2063 Jul	60.74069977	0.056493677	0.032228101	0.001355417	15.05099297	0.025579629	6.604136944	0.000914953	0.000914953	4.59443E-06	0.006458614	0.001188583	0.015477699	0.021397945	4.75792E-06	17.75190735	1.81827E-05	0.000293332	0.000273485	0.000858811
2063 Aug	62.96759796	0.058439087	0.03319446	0.001407188	15.59831047	0.026889548	6.834855556	0.000954592	0.000954592	4.79316E-06	0.006711505	0.001236909	0.01605125	0.022192204	4.96106E-06	18.41950226	1.87491E-05	0.000303498	0.000282377	0.000894184
2063 Sep	62.90266037	0.059092734	0.032535769	0.001404792	15.58959484	0.027709022	6.800413609	0.000963813	0.000963813	4.83873E-06	0.006754006	0.00124139	0.016068805	0.022141835	5.00212E-06	18.43929482	1.85063E-05	0.000302331	0.000278563	0.000898906
2063 Oct	62.18035507	0.060633812	0.032063134	0.00139341	15.46780205	0.028066877	6.773463249	0.000955555	0.000955555	4.79736E-06	0.00674968	0.001225977	0.016020052	0.021759238	4.96009E-06	18.1680069	1.82324E-05	0.000297252	0.000270828	0.000893822
2063 Nov	62.32714844	0.061217405	0.032404795	0.00140193	15.53666687	0.028223088	6.830087185	0.000956206	0.000956206	4.80101E-06	0.006753212	0.001226459	0.016172132	0.021737412	4.9671E-06	18.15618515	1.8235E-05	0.000297617	0.000269982	0.000895259
2063 Dec	62.38191223	0.061296139	0.032477085	0.00140389	15.55425358	0.028248519	6.841475964	0.000956737	0.000956737	4.80374E-06	0.006757099	0.00122718	0.016201653	0.021747546	4.97041E-06	18.164711	1.82459E-05	0.000297858	0.000270076	0.000895835
2064 Jan	62.39228821	0.061311409	0.032481432	0.001404035	15.55710316	0.028252443	6.842689037	0.000956832	0.000956832	4.80421E-06	0.006757819	0.001227371	0.016203435	0.021751808	4.97091E-06	18.16822433	1.82475E-05	0.000297904	0.000270137	0.000895982
2064 Feb	62.40884399	0.061326843	0.0324881	0.001404257	15.56132698	0.028256647	6.844335556	0.000956995	0.000956995	4.80503E-06	0.006758884	0.001227689	0.016205747	0.021759059	4.97175E-06	18.17405701	1.82507E-05	0.000297984	0.000270249	0.000896204
2064 Mar	62.47992325	0.061396167	0.032523718	0.00140577	15.57907581	0.028287072	6.852001667	0.000958038	0.000958038	4.81027E-06	0.006766204	0.001229086	0.016223017	0.0217847	4.97716E-06	18.19535637	1.82707E-05	0.000298323	0.000270579	0.000897218
2064 Apr	62.60578918	0.061519567	0.032588463	0.001408554	15.61047649	0.028343081	6.865733624	0.000959942	0.000959942	4.81982E-06	0.006779626	0.001231561	0.016255038	0.021829069	4.98705E-06	18.23234749	1.8307E-05	0.000298925	0.000271136	0.000899022
2064 May	65.54278564	0.063487872	0.034589864	0.001437467	16.42163086	0.028049629	7.245270729	0.000963496	0.000963496	4.839E-06	0.006769832	0.001277398	0.016674729	0.023192817	5.01815E-06	19.26695251	1.86024E-05	0.000313951	0.000296482	0.000926575
2064 Jun	68.06775665	0.062064014	0.0358481	0.001394825	17.03664017	0.025150092	7.499553204	0.000920986	0.000920986	4.62714E-06	0.006401997	0.00130951	0.016249498	0.02503223	4.81234E-06	20.55153465	1.85566E-05	0.000330429	0.000339714	0.000932418
2064 Jul	68.79901123	0.061821781	0.035945561	0.001426402	17.14551544	0.026091881	7.545247078	0.000952539	0.000952539	4.78492E-06	0.006591169	0.001335123	0.016525269	0.025242636	4.97012E-06	20.72631836	1.89633E-05	0.000333367	0.000339562	0.00095177
2064 Aug	68.68845367	0.061271109	0.035476483	0.001435723	17.10667419	0.027099926	7.517961979	0.000969497	0.000969497	4.86935E-06	0.006635871	0.001346703	0.016562948	0.025200941	5.05151E-06	20.70287514	1.87134E-05	0.000330927	0.000335325	0.000962139
2064 Sep	67.27933502	0.062642857	0.035036113	0.001432275	16.88114357	0.028175341	7.496844292	0.000961254	0.000961254	4.82854E-06	0.006580722	0.001317363	0.016839076	0.024279794	5.01416E-06	20.06333542	1.79481E-05	0.000321871	0.000315847	0.000947224
2064 Oct	67.55358887	0.06442862	0.035600767	0.001450317	17.01601601	0.028708231	7.617898464	0.000964777	0.000964777	4.84695E-06	0.006637007	0.001318267	0.017186327	0.024185628	5.03925E-06	20.01508141	1.79768E-05	0.000322149	0.000312433	0.000951845
2064 Nov	67.83631134	0.064749621	0.035904147	0.00145894	17.0987854	0.028821446	7.66886282	0.000967764	0.000967764	4.86217E-06	0.006657651	0.001322553	0.017314952	0.02425511	5.05691E-06	20.07206535	1.80387E-05	0.000323465	0.000313255	0.000954994
2064 Dec	67.86834717	0.064796038	0.035945974	0.001460068	17.10890198	0.028836312	7.675773144	0.000968064	0.000968064	4.86372E-06	0.006659911	0.001322973	0.017332954	0.024260864	5.05882E-06	20.07691193	1.8045E-05	0.000323607	0.000313306	0.000955327
2065 Jan	67.87388611	0.064804479	0.035946488	0.001460113	17.11031532	0.028838547	7.676235199	0.000968123	0.000968123	4.86401E-06	0.006660368	0.001323087	0.017333282	0.02426349	5.0591E-06	20.07909393	1.8046E-05	0.000323632	0.000313344	0.000955415
2065 Feb	67.88876343	0.064818256	0.035952669	0.001460337	17.11407852	0.028842991	7.677743912	0.000968287	0.000968287	4.86483E-06	0.006661453	0.001323376	0.017335718	0.024269763	5.05995E-06	20.0841713	1.80491E-05	0.000323703	0.000313437	0.000955618
2065 Mar	67.97280121	0.064898252	0.035996247	0.001462093	17.13526917	0.02887767	7.687152863	0.000969459	0.000969459	4.87072E-06	0.006669494	0.001325014	0.017356433	0.024300326	5.06607E-06	20.1093998	1.8071E-05	0.000324104	0.000313838	0.000956798
2065 Apr	68.21313477	0.065127581	0.036122989	0.001467233	17.195858	0.028979188	7.714278221	0.000972872	0.000972872	4.88787E-06	0.006692959	0.001329699	0.017417375	0.024386542	5.0839E-06	20.18071175	1.81346E-05	0.00032525	0.000314955	0.000960179
2065 May	70.86618805	0.066988431	0.037775572	0.00149582	17.89888954	0.028852539	8.044573784	0.000981392	0.000981392	4.93165E-06	0.006735475	0.001372628	0.017830975	0.025583241	5.13764E-06	21.09918785	1.85323E-05	0.000338979	0.00033652	0.000986657
2065 Jun	70.0160141	0.062958844	0.03662774	0.001428991	17.49585152	0.026254402	7.825013161	0.000945961	0.000945961	4.75349E-06	0.006501548	0.001352844	0.017012827	0.025751328	4.95102E-06	21.12571144	1.8636E-05	0.000339407	0.00034828	0.00096101
2065 Jul	72.38307953	0.064465381	0.038254287	0.001501477	18.04342842	0.027465591	8.123203278	0.000992047	0.000992047	4.98531E-06	0.006822669	0.001400477	0.017929018	0.02640372	5.19443E-06	21.67079544	1.95799E-05	0.000351229	0.000354686	0.000994853
2065 Aug	74.63043976	0.066442572	0.039124161	0.001551063	18.59969139	0.028858023	8.3556633	0.001031559	0.001031559	5.18336E-06	0.007065242	0.001449547	0.018510412	0.027215105	5.39652E-06	22.36109543	2.00625E-05	0.000361493	0.000363618	0.001030324
2065 Sep	71.72473145	0.067482501	0.036759857	0.001498395	17.92929268	0.029474188	8.050481796	0.001009515	0.001009515	5.07169E-06	0.006973612	0.001398427	0.01798775	0.0259449	5.27274E-06	21.43999863	1.9158E-05	0.000344625	0.000339504	0.001004131
2065 Oct	68.19766235	0.072201334	0.035691351	0.0014678	17.28597641	0.030528044	7.981749058	0.00096981	0.00096981	4.87408E-06	0.006878076	0.001318148	0.01814831	0.023890112	5.08283E-06	19.91562843	1.81032E-05	0.00032219	0.000300664	0.00096825
2065 Nov	67.99414063	0.073421426	0.035776868	0.001472003	17.28032112	0.030874901	8.024521828	0.000968203	0.000968203	4.86643E-06	0.006898134	0.001311676	0.018305073	0.023667693	5.07841E-06	19.76165581	1.80238E-05	0.000320257	0.000295649	0.000967376
2065 Dec	68.02178192	0.073469639	0.03582494	0.001473181	17.28985214	0.030888492	8.032476425	0.000968376	0.000968376	4.86735E-06	0.006899644	0.001311935	0.018326607	0.023669511	5.07981E-06	19.76328659	1.80282E-05	0.000320377	0.000295638	0.000967599
2066 Jan	68.03909302	0.07349284	0.035841763	0.001473607	17.29500198	0.030894268	8.035657883	0.000968498	0.000968498	4.86798E-06	0.006900543	0.001312188	0.018333636	0.023674475	5.08058E-06	19.76730728	1.80308E-05	0.000320456	0.000295706	0.000967789
2066 Feb	68.07264709	0.073527098	0.035859015	0.001474207	17.30368423	0.030905653	8.039574623	0.000968875	0.000968875	4.86988E-06	0.006903129	0.001312818	0.0183411	0.023687413	5.08257E-06	19.77785492	1.80381E-05	0.000320616	0.00029589	0.000968239
2066 Mar	68.20105743	0.073664613	0.035925072	0.001476898	17.33632278	0.030962009	8.054546356	0.000970658	0.000970658	4.87884E-06	0.006915778	0.001315295	0.018374329	0.02373305	5.09191E-06	19.81582832	1.80713E-05	0.000321222	0.000296473	0.000970059
2066 Apr	68.36676788	0.07384292	0.036011457	0.001480435	17.37844276	0.031036131	8.074005127	0.000972991	0.000972991	4.89056E-06	0.00693237	0.001318491	0.018418193	0.023791257	5.10414E-06	19.86435699	1.81148E-05	0.000322003	0.000297207	0.000972412
2066 May	69.17700958	0.074514516	0.036263846	0.00149117	17.57261467	0.031252407	8.145215988	0.000982476	0.000982476	4.93805E-06	0.006996687	0.001334817	0.018521935	0.024149559	5.15213E-06	20.15394783	1.83106E-05	0.000326009	0.000302607	0.000983712
2066 Jun	64.17656708	0.062315542	0.033425778	0.001401215	15.86111832	0.027441081	7.370916843	0.000942395	0.000942395	4.73564E-06	0.006720201	0.001246785	0.017318964	0.022349795	4.93285E-06	18.58115959	1.86272E-05	0.000309962	0.000282922	0.000902697
2066 Jul	65.59362793	0.062050916	0.034446947	0.00146667	16.09751129	0.02855093	7.539447784	0.000990014	0.000990014	4.97478E-06	0.007045208	0.001281865	0.018123727	0.022578912	5.18068E-06	18.78084183	1.95907E-05	0.000317564	0.000281967	0.00092704
2066 Aug	67.68747711	0.063821688	0.035259504	0.001516296	16.60597992	0.029946346	7.760243893	0.001029891	0.001029891	5.17466E-06	0.007291149	0.001329391	0.018690581	0.023322247	5.38469E-06	19.40767097	2.00869E-05	0.000326871	0.000289677	0.000962073
2066 Sep	67.42770386	0.065084055	0.034485061	0.001507256	16.5552578	0.03055753	7.702738285	0.001033847	0.001033847	5.19376E-06	0.007338814	0.00132842	0.018568097	0.023220826	5.39805E-06	19.37548447	1.99299E-05	0.000324395	0.000285733	0.000965549
2066 Oct	66.28023529	0.067055382	0.03368428	0.001486082	16.34609413	0.030960403	7.639096737	0.001019815	0.001019815	5.12334E-06	0.007303576	0.001304458	0.01842415	0.02266215	5.32544E-06	18.97569656	1.95004E-05	0.000316714	0.000274861	0.000956417

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2066 Nov	66.25093079	0.067920253	0.034085002	0.001493393	16.38973427	0.031131702	7.716836452	0.001016219	0.001016219	5.10603E-06	0.00729446	0.001299637	0.018642321	0.022517161	5.31376E-06	18.86863327	1.94145E-05	0.00031599	0.000271894	0.000954952
2066 Dec	66.29862213	0.06798736	0.034128919	0.001494782	16.40324402	0.031155974	7.725460052	0.001016791	0.001016791	5.10893E-06	0.007298861	0.001300398	0.01866441	0.022528619	5.31706E-06	18.87841034	1.94257E-05	0.000316206	0.000272006	0.000955546
2067 Jan	66.31355286	0.068007372	0.034137126	0.001495043	16.40730476	0.031161584	7.727461338	0.001016934	0.001016934	5.10966E-06	0.007299929	0.001300663	0.018668145	0.022534151	5.31784E-06	18.88296127	1.94284E-05	0.000316275	0.000272083	0.000955745
2067 Feb	66.34142303	0.06803453	0.034149379	0.001495512	16.41430664	0.031171035	7.730459213	0.001017266	0.001017266	5.11133E-06	0.007302218	0.001301203	0.018673677	0.022545274	5.31956E-06	18.89203644	1.94348E-05	0.000316408	0.000272242	0.00095613
2067 Mar	66.40446472	0.068098374	0.034180384	0.001496841	16.42994118	0.031198706	7.737627983	0.001018183	0.001018183	5.11593E-06	0.007308749	0.001302439	0.018690044	0.022567656	5.32435E-06	18.91065979	1.94524E-05	0.00031671	0.000272525	0.000957032
2067 Apr	66.53655243	0.068233378	0.034247551	0.001499766	16.46264648	0.031259656	7.752919197	0.001020181	0.001020181	5.12597E-06	0.007323056	0.001305029	0.018726436	0.022613095	5.33479E-06	18.9486618	1.94906E-05	0.00031734	0.000273081	0.000958931
2067 May	68.54772949	0.069077328	0.034158025	0.001492359	16.91264725	0.03100634	7.82900095	0.001029931	0.001029931	5.17382E-06	0.007366171	0.00134722	0.01843497	0.023875127	5.37513E-06	19.92869186	1.97967E-05	0.000328038	0.000295979	0.00098474
2067 Jun	69.66912842	0.066290706	0.03415516	0.001438255	17.10249138	0.028428011	7.829857826	0.000995073	0.000995073	4.99897E-06	0.007059979	0.001361999	0.017704606	0.025091365	5.19554E-06	20.75727272	1.97306E-05	0.000337543	0.000326714	0.00098021
2067 Jul	72.31746674	0.068134531	0.035336301	0.001504405	17.70084381	0.029854484	8.106294632	0.001046322	0.001046322	5.25603E-06	0.007407129	0.001420046	0.01846315	0.025991177	5.45934E-06	21.50358582	2.06594E-05	0.000350273	0.000336663	0.001022163
2067 Aug	72.74694061	0.067807801	0.035075299	0.001524082	17.78552818	0.031038485	8.122656822	0.001072038	0.001072038	5.38428E-06	0.007504654	0.001444515	0.018552314	0.026199859	5.58477E-06	21.66858101	2.05801E-05	0.000350207	0.000336121	0.001042015
2067 Sep	72.55628967	0.068739235	0.034464754	0.001520045	17.75177193	0.031678621	8.078201294	0.001077896	0.001077896	5.41303E-06	0.00755072	0.001444705	0.018509466	0.026094828	5.60904E-06	21.63490295	2.04228E-05	0.000348318	0.000331994	0.001045104
2067 Oct	70.32715607	0.071035013	0.033553585	0.001489672	17.32608032	0.032023869	7.983594894	0.00104908	0.00104908	5.26909E-06	0.007445996	0.001394984	0.018406583	0.02493394	5.46624E-06	20.76923752	1.97002E-05	0.000334709	0.000311019	0.00102076
2067 Nov	70.25939178	0.072033525	0.033912841	0.001497284	17.35896492	0.032253396	8.060688972	0.001046087	0.001046087	5.2548E-06	0.007447138	0.00138946	0.018641306	0.024753973	5.45763E-06	20.63949203	1.96242E-05	0.000333735	0.000307203	0.001019269
2067 Dec	70.31838226	0.072115272	0.033970185	0.001499023	17.37574768	0.032282192	8.071967125	0.001046747	0.001046747	5.25816E-06	0.007452226	0.001390372	0.018670265	0.024767565	5.46152E-06	20.65102005	1.96376E-05	0.000334005	0.000307337	0.001019974
2068 Jan	70.33546448	0.072137669	0.033974499	0.001499248	17.38006592	0.032289308	8.07359314	0.001046953	0.001046953	5.2592E-06	0.007453759	0.001390717	0.01867261	0.024774874	5.46256E-06	20.65708542	1.96411E-05	0.000334083	0.000307438	0.001020235
2068 Feb	70.36029816	0.072161421	0.033983819	0.001499598	17.38628578	0.032296721	8.076091766	0.001047224	0.001047224	5.26056E-06	0.007455581	0.001391203	0.018676486	0.024785494	5.46396E-06	20.66568756	1.96463E-05	0.000334202	0.000307596	0.001020579
2068 Mar	70.47812653	0.072281346	0.034039285	0.001502013	17.41544724	0.03234864	8.089426041	0.001048924	0.001048924	5.26909E-06	0.007467628	0.001393531	0.01870629	0.024828022	5.47282E-06	20.70100784	1.96783E-05	0.000334762	0.000308138	0.001022279
2068 Apr	70.93836212	0.072752841	0.034260757	0.001511767	17.5291996	0.032558672	8.142144203	0.001055743	0.001055743	5.30335E-06	0.007516148	0.00140263	0.018827621	0.024990726	5.50839E-06	20.83658791	1.98062E-05	0.000336949	0.000310165	0.00102895
2068 May	72.6858902	0.073335707	0.034479275	0.001506826	17.93509865	0.032149017	8.241487503	0.001059551	0.001059551	5.32199E-06	0.007519068	0.001436204	0.018650645	0.026057674	5.52363E-06	21.65418243	2.00406E-05	0.000346512	0.000330304	0.00104823
2068 Jun	69.91641235	0.064656526	0.034411512	0.001402066	17.13311577	0.026955688	7.989983082	0.000959912	0.000959912	4.82447E-06	0.00676502	0.001359508	0.017696401	0.025490087	5.03173E-06	20.96746063	1.9271E-05	0.000340477	0.000339404	0.000970115
2068 Jul	69.88851929	0.063200042	0.034245677	0.001430523	17.01621628	0.027764667	7.954468727	0.000990058	0.000990058	4.97515E-06	0.006944795	0.001372224	0.017946426	0.02531722	5.18203E-06	20.83283234	1.96764E-05	0.000340096	0.00033284	0.000979874
2068 Aug	72.62866211	0.065542512	0.035355866	0.001490119	17.68057823	0.029301004	8.249545097	0.001036599	0.001036599	5.2086E-06	0.007240691	0.001431541	0.01865495	0.026315363	5.42156E-06	21.66559029	2.03446E-05	0.000352721	0.000344414	0.001022936
2068 Sep	71.94000244	0.066854775	0.034283988	0.001475639	17.53257751	0.030009134	8.138462067	0.001038584	0.001038584	5.21758E-06	0.00728155	0.001423044	0.01845409	0.026016135	5.42269E-06	21.49050522	2.00809E-05	0.00034781	0.000336694	0.001022403
2068 Oct	71.64820099	0.067991115	0.033769961	0.001469252	17.47561073	0.030393327	8.096622467	0.001039722	0.001039722	5.22285E-06	0.007321621	0.00141912	0.018362498	0.025875701	5.42441E-06	21.41066933	2.00119E-05	0.000345389	0.000332873	0.001023705
2068 Nov	71.84564209	0.068296537	0.033885658	0.001474046	17.52794647	0.030510958	8.125701904	0.001042577	0.001042577	5.23724E-06	0.007344249	0.001422745	0.018433895	0.025933247	5.43978E-06	21.46073723	2.0063E-05	0.000346266	0.000333438	0.001026617
2068 Dec	71.93055725	0.068403035	0.034020498	0.001477245	17.55453873	0.030540189	8.149265289	0.001043043	0.001043043	5.23974E-06	0.007347838	0.001423632	0.018497134	0.025942883	5.44369E-06	21.46828079	2.00772E-05	0.000346674	0.000333512	0.001027242
2069 Jan	71.96601868	0.068447158	0.034084424	0.001478625	17.56619072	0.030549269	8.160180092	0.001043116	0.001043116	5.24018E-06	0.007348412	0.001423928	0.018525925	0.025945989	5.44481E-06	21.47047234	2.00815E-05	0.000346846	0.000333542	0.001027437
2069 Feb	71.99659729	0.068479434	0.034125481	0.001479562	17.57538605	0.030556599	8.167471886	0.001043262	0.001043262	5.24096E-06	0.007349383	0.001424297	0.018544057	0.025952227	5.446E-06	21.47527313	2.00861E-05	0.000346996	0.000333628	0.001027681
2069 Mar	72.02049255	0.068505436	0.034162976	0.001480395	17.58284569	0.030562297	8.173938751	0.00104335	0.00104335	5.24145E-06	0.007349967	0.001424544	0.01856076	0.025955766	5.44687E-06	21.47790909	2.00895E-05	0.000347114	0.000333673	0.001027841
2069 Apr	72.14411163	0.0686244	0.034232855	0.001483076	17.61373711	0.030612649	8.189585686	0.001045024	0.001045024	5.24987E-06	0.00736174	0.001426891	0.018597076	0.025998201	5.45579E-06	21.51288795	2.01225E-05	0.000347711	0.00033422	0.001029526
2069 May	73.35624695	0.069693968	0.034708619	0.00150371	17.90599251	0.031034665	8.312170982	0.001061036	0.001061036	5.3302E-06	0.00747267	0.00145113	0.018834759	0.026482783	5.53827E-06	21.90876961	2.0441E-05	0.000353635	0.000341018	0.001046647
2069 Jun	67.28502655	0.059381478	0.031883068	0.001419509	16.06111145	0.027975986	7.513136387	0.001014898	0.001014898	5.09776E-06	0.007197115	0.001337753	0.017780883	0.023936948	5.29119E-06	19.80815887	2.03779E-05	0.00033015	0.000306012	0.000955362
2069 Jul	67.77257538	0.058539171	0.03246709	0.001462018	16.07718849	0.0285892	7.591693401	0.001044996	0.001044996	5.24909E-06	0.007412628	0.001351876	0.018364482	0.023823583	5.4495E-06	19.72991943	2.10596E-05	0.000333491	0.000300999	0.000964503
2069 Aug	68.68929291	0.059228685	0.032484718	0.001485917	16.3004837	0.029751707	7.665232182	0.001070926	0.001070926	5.37862E-06	0.007541893	0.001378876	0.018611919	0.024160171	5.57797E-06	20.03458977	2.11113E-05	0.000336789	0.000302646	0.00098484
2069 Sep	66.71777344	0.061190832	0.031251714	0.001450142	15.93743229	0.030255022	7.527999878	0.001046303	0.001046303	5.25497E-06	0.007421832	0.001338535	0.018339628	0.023246057	5.44992E-06	19.3757	2.02414E-05	0.000324381	0.000285516	0.000965328
2069 Oct	64.38532257	0.06640894	0.03073944	0.001422688	15.62107658	0.031130018	7.576344013	0.001006143	0.001006143	5.05527E-06	0.007287275	0.001278793	0.018517887	0.021852264	5.25936E-06	18.35725784	1.91718E-05	0.000308121	0.000259142	0.00094073
2069 Nov	64.33985138	0.068019852	0.030864904	0.001427108	15.66486645	0.031539883	7.644363403	0.001004429	0.001004429	5.04714E-06	0.007308946	0.001274817	0.018698564	0.021702036	5.25495E-06	18.26402092	1.90746E-05	0.000306803	0.000255213	0.00094199
2069 Dec	64.37128448	0.068071261	0.030899016	0.001428094	15.67408657	0.031556703	7.651421547	0.001004739	0.001004739	5.04874E-06	0.00731157	0.001275259	0.018717019	0.021707777	5.2569E-06	18.26903725	1.90815E-05	0.000306944	0.000255254	0.000942347
2070 Jan	64.38791656	0.068093687	0.030922081	0.00142856	15.67935753	0.031560138	7.65576601	0.001004755	0.001004755	5.04885E-06	0.00731172	0.001275434	0.018727163	0.021711195	5.25726E-06	18.27164841	1.90822E-05	0.000307024	0.000255305	0.000942468
2070 Feb	64.40318298	0.068107948	0.030939274	0.001428873	15.68390465	0.031560909	7.658993721	0.001004764	0.001004764	5.04891E-06	0.007311661	0.001275626	0.018733749	0.021715969	5.25748E-06	18.27523613	1.90834E-05	0.0003071	0.000255389	0.000942584
2070 Mar	64.44792175	0.068154238	0.030965891	0.001429849	15.69523811	0.031579234	7.665047646	0.00100534	0.00100534	5.05181E-06	0.007315783	0.001276454	0.018747833	0.021730898	5.26059E-06	18.28757095	1.90948E-05	0.000307315	0.000255579	0.000943183
2070 Apr	64.67966461	0.068397261	0.031075032	0.001434811	15.75181866	0.031688482	7.692270756	0.001008847	0.001008847	5.06944E-06	0.007341188	0.001281036	0.018812459	0.021810964	5.27893E-06	18.3546524	1.91615E-05	0.000308421	0.00025655	0.000946554
2070 May	66.61370087	0.069229998	0.031351913	0.001435077	16.20788765	0.031452265	7.803798199	0.001017166	0.001017166	5.11059E-06	0.007373436	0.001319187	0.018667055	0.022944761	5.31636E-06	19.23116875	1.94451E-05	0.000318675	0.000277224	0.000969618
2070 Jun	68.62957001	0.066545777	0.031459585	0.001380959	16.6154747	0.028707333	7.814137459	0.000987235	0.000987235	4.95982E-06	0.007078002	0.00135248	0.017749589	0.024733428	5.15624E-06	20.50221443	1.95123E-05	0.000332958	0.000318609	0.00097583
2070 Jul	70.17945862	0.067201406	0.032073889	0.001426219	16.92542839	0.029695541	7.964474201	0.001025102	0.001025102	5.14961E-06	0.007334584	0.001389444	0.018264974	0.025214253	5.34989E-06	20.90496063	2.02085E-05	0.000340618	0.000322836	0.001002331
2070 Aug	71.49529266	0.068054199	0.03236628	0.001459705	17.23584366	0.030922119	8.089651108	0.001056739	0.001056739	5.30791E-06	0.007505116	0.001425213	0.018598225	0.025713369	5.50905E-06	21.32195473	2.04367E-05	0.000345704	0.000327033	0.001029354
2070 Sep	69.32139587	0.06991902	0.030956879	0.001424795	16.79964447	0.031470772	7.911642075	0.001035398	0.001035398	5.20048E-06	0.007424547	0.001382402	0.018292075	0.024685873	5.39563E-06	20.57798767	1.96852E-05	0.000332339	0.000307583	0.00100906
2070 Oct	67.77294922	0.072569996	0.030715579	0.001412901	16.55413628	0.031991266	7.933091164	0.001013483	0.001013483	5.09172E-06	0.007358478	0.001343898	0.018479051	0.023723196	5.29366E-06	19.86649323	1.91123E-05	0.00032219	0.000289429	0.0009918
2070 Nov	67.78199005	0.073050767	0.030848132	0.0014164	16.57485771	0.032119133	7.967969418	0.00101304	0.00101304	5.08978E-06	0.007365482	0.00134257	0.018582368	0.023664186	5.29399E-06	19.8266983	1.90921E-05	0.000321946	0.000287988	0.000991971
2070 Dec	67.78983307	0.073072277	0.030849995	0.001416583	16.57701492	0.032127161	7.969049931	0.001013189	0.001013189	5.09053E-06	0.007366846	0.001342728	0.018585024	0.023666283	5.29475E-06	19.82877159	1.90942E-05	0.000321974	0.000287995	0.000992124
2071 Jan	67.79917145	0.073085368	0.030859686	0.001416789	16.57982063	0.032129474	7.971070766	0.001013218	0.001013218	5.09068E-06	0.007367085	0.00134285	0.018589374	0.023668889	5.29501E-06	19.83083725	1.90951E-05	0.000322018	0.000288034	0.000992212
2071 Feb	67.80706024	0.073092058	0.030864619	0.001416867	16.58199501	0.032129556	7.972167015	0.001013233	0.001013233	5.09076E-06	0.007367107	0.001342977	0.018590769	0.023672441	5.29512E-06	19.8335762	1.90957E-05	0.000322057	0.000288097	0.000992292
2071 Mar	67.82124329	0.073106319	0.030874068	0.001417147	16.58571053	0.032133885	7.97426033	0.001013368	0.001013368	5.09145E-06	0.007368042	0.001343222	0.018595219	0.023677364	5.29588E-06	19.8375473	1.90986E-05	0.000322126	0.000288167	0.000992464
2071 Apr	67.92633057	0.073219031	0.030921994	0.001419311	16.61146927	0.032182589	7.986619949	0.001014909	0.001014909	5.09919E-06	0.00737922	0.001345297	0.018623648	0.023714367	5.30394E-06	19.86847878	1.91277E-05	0.000322626	0.000288623	0.000993993
2071 May	69.50676727	0.073236719	0.031066872	0.001406739	16.97734833	0.031485174	8.047686577	0.001013234	0.001013234	5.0902E-06	0.007331448	0.001375398	0.018304357	0.024788082	5.28989E-06	20.67693138	1.92771E-05	0.000331615	0.000310005	0.001009518
2071 Jun	69.29782104	0.066881128	0.03115019	0.001343511	16.77641678	0.027795576	7.896570683	0.000964033	0.000964033	4.84378E-06	0.006903605	0.001361413	0.017450273	0.025401218	5.03998E-06	20.98019218	1.92089E-05	0.000336918	0.000333948	0.000978319
2071 Jul	69.63437653	0.066069633	0.031701904	0.001378471	16.77597427	0.028234806	7.96846199	0.000986898	0.000986898	4.95895E-06	0.007067542	0.001370763	0.017962888	0.025261898	5.16207E-06	20.87678337	1.97502E-05	0.00033948	0.000329266	0.000983865
2071 Aug	71.56017303	0.06782648	0.032347437	0.00141977	17.24223137	0.029467462	8.16992569	0.001021487	0.001021487	5.13231E-06	0.007284626	0.001413349	0.018472971	0.025955524	5.33888E-06	21.46943474	2.01781E-05	0.000348289	0.000336697	0.001014841
2071 Sep	69.57889557	0.06805452	0.030537006	0.001383402	16.79958153	0.030077733	7.894433975	0.001011041	0.001011041	5.07845E-06	0.007213348	0.001382041	0.01796885	0.025157431	5.2715E-06	20.91112709	1.94259E-05	0.000336626	0.000320867	0.000998317
2071 Oct	68.63156128	0.069562435	0.03030117	0.001376111	16.63929176	0.030424213	7.890188217	0.000999706	0.000999706	5.02212E-06	0.007185489	0.001359858	0.018045064	0.024585405	5.21805E-06	20.48913383	1.91083E-05	0.000330406	0.000309909	0.000988776
2071 Nov	68.28849792	0.071077339	0.030150235	0.001376118	16.60157776	0.030872248	7.90918541	0.000997783	0.000997783	5.01268E-06	0.007212108	0.001351621	0.018139565	0.024315741	5.21007E-06	20.30706596	1.89853E-05	0.000327472	0.000303716	0.000987885
2071 Dec	68.2827301	0.07119973	0.030146016	0.001376453	16.60321999	0.030911276	7.912292957	0.000997925	0.000997925	5.01341E-06	0.007215918	0.001351421	0.018150022	0.024303926	5.21093E-06	20.30017471	1.89819E-05	0.000327355	0.000303375	0.000988092
2072 Jan	68.29268646	0.071215659	0.030147234	0.001376516	16.60587502	0.030914856	7.913161278	0.000998009	0.000998009	5.01383E-06	0.007216579	0.001351619	0.018150415	0.024308788	5.21134E-06	20.30417824	1.89832E-05	0.000327398	0.000303448	0.000988247
2072 Feb	68.30573273	0.071226925	0.030151276	0.001376593	16.60924911	0.030915886	7.914368153	0.000998076	0.000998076	5.01416E-06	0.007216924	0.001351864	0.018151	0.02431545	5.21168E-06	20.30941582	1.89846E-05	0.000327462	0.000303561	0.00098841
2072 Mar	68.3205719	0.07124114	0.030156471	0.001376785	16.61295128	0.030920025	7.915858269	0.00099823	0.00099823	5.01493E-06	0.007217959	0.001352155	0.018153189	0.024321923	5.21247E-06	20.31465149	1.89876E-05	0.000327534	0.000303659	0.000988614
2072 Apr	68.50436401	0.071432076	0.030236799	0.001380428	16.65769005	0.031001775	7.937018871	0.00100088	0.00100088	5.02825E-06	0.007237081	0.00135579	0.018201027	0.024388023	5.22631E-06	20.36976242	1.9038E-05	0.000328415	0.000304493	0.000991267
2072 May	69.45024109	0.072415516	0.030652234	0.001399383	16.88763809	0.031427164	8.046225548	0.001014655	0.001014655	5.09745E-06	0.007336611	0.001374516	0.018450361	0.024726029	5.29821E-06	20.65190506	1.93003E-05	0.000332952	0.00030873	0.001004947
2072 Jun	64.14946747	0.062409576	0.028120849	0.001351415	15.20475769	0.029327277	7.267677307	0.001000441	0.001000441	5.02439E-06	0.007267209	0.001284437	0.017616266	0.023375515	5.20856E-06	18.73266411	1.96922E-05	0.000312516	0.000273329	0.000932243
2072 Jul	63.4844017	0.059931085	0.027796218	0.001366266	14.94180489	0.029736932	7.170068741	0.001018474	0.001018474	5.11441E-06	0.007341797	0.00128466	0.017684724	0.022008123	5.2974E-06	18.41700172	1.98378E-05	0.000308993	0.000265027	0.000932122
2072 Aug	62.59638214	0.059322104	0.027486324	0.001367447	14.84584236	0.031043736	7.165456772	0.001017289	0.001017289	5.10876E-06	0.007198391	0.001272542	0.017992431	0.021446554	5.29403E-06	18.05328941	1.86835E-05	0.000302799	0.000251292	0.000922486
2072 Sep	61.72950745	0.06030694	0.027269566	0.001362121	14.75805378	0.031894289	7.185279846	0.001007266	0.001007266	5.05908E-06	0.00709317	0.001253248	0.018232407	0.020876341	5.24793E-06	17.67476463	1.785E-05	0.0002969	0.000238899	0.000911312
2072 Oct	60.79172516	0.064126059	0.027607515	0.001356969	14.69725132	0.03232358	7.333646297	0.000982261	0.000982261	4.93554E-06	0.007029242	0.001221443	0.018584408	0.020149281	5.13679E-06	17.13500023	1.73757E-05	0.00028953	0.000225335	0.000899768
2072 Nov	60.76868439	0.064949334	0.02770872	0.001358949	14.71968842	0.032480136	7.373649597	0.000980387	0.000980387	4.92645E-06	0.007036089	0.001218893	0.018680701	0.020072591	5.13007E-06	17.08387947	1.73351E-05	0.000288903	0.000223522	0.000900005
2072 Dec	60.77659988	0.064972326	0.027707718	0.00135909	14.7217617	0.032488804	7.374335289	0.000980559	0.000980559	4.92731E-06	0.007037657	0.001219073	0.018682087	0.020075303	5.13091E-06	17.08650208	1.73375E-05	0.00028893	0.000223537	0.000900181
2073 Jan	60.78386688	0.064983636	0.027708031	0.001359123	14.72366238	0.032491181	7.374858856	0.000980621	0.000980621	4.92762E-06	0.00703815	0.001219222	0.018681986	0.020079048	5.13121E-06	17.08957672	1.73385E-05	0.000288962	0.000223594	0.000900296
2073 Feb	60.79500961	0.06499368	0.027711157	0.001359213	14.72647953	0.032493055	7.375850677	0.000980706	0.000980706	4.92805E-06	0.007038669	0.001219439	0.018682729	0.020084508	5.13164E-06	17.09392548	1.73402E-05	0.000289016	0.000223683	0.000900445
2073 Mar	60.81941986	0.065018751	0.027721224	0.001359672	14.73245811	0.032503877	7.37861681	0.000981049	0.000981049	4.92977E-06	0.007041075	0.001219925	0.01868877	0.020093545	5.13342E-06	17.10144997	1.73463E-05	0.000289133	0.000223799	0.000900797
2073 Apr	61.18187714	0.065405652	0.027885819	0.001367726	14.82029438	0.032696314	7.422477722	0.000986865	0.000986865	4.959E-06	0.007082796	0.001227193	0.018799309	0.02021385	5.16385E-06	17.2037468	1.74492E-05	0.000290856	0.000225148	0.00090616
2073 May	65.16378021	0.067435652	0.03069154	0.001406192	15.8551693	0.032014839	7.994072437	0.000989293	0.000989293	4.97375E-06	0.007065486	0.001287876	0.019567981	0.022009455	5.20033E-06	18.5460968	1.79816E-05	0.000312338	0.000259299	0.000940171
2073 Jun	68.03171539	0.065023273	0.03165267	0.001367639	16.45033646	0.028855929	8.128166199	0.000962071	0.000962071	4.83729E-06	0.006818051	0.001332647	0.018849304	0.024130711	5.06085E-06	20.04205704	1.85038E-05	0.000331688	0.000307784	0.000953208
2073 Jul	69.13431549	0.065355755	0.032462161	0.001408155	16.68712807	0.029665418	8.305112839	0.000988277	0.000988277	4.96933E-06	0.00698052	0.001358187	0.019428113	0.024385368	5.20128E-06	20.24661827	1.89205E-05	0.000336816	0.000308999	0.000971584
2073 Aug	70.43426514	0.066235363	0.032775339	0.001440591	16.99466515	0.030827185	8.433003426	0.001018389	0.001018389	5.12004E-06	0.007145027	0.001392615	0.019766727	0.024872992	5.35324E-06	20.65486145	1.91513E-05	0.000341965	0.000313222	0.000997464
2073 Sep	69.5100708	0.066891611	0.03186354	0.001424642	16.80244637	0.031309031	8.307168007	0.001015001	0.001015001	5.10228E-06	0.007132053	0.001378006	0.019548459	0.024472637	5.32869E-06	20.38736916	1.87825E-05	0.000336148	0.000304662	0.000991179

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2073 Oct	67.95868683	0.069524623	0.03154489	0.001411105	16.53917885	0.031741545	8.316848755	0.000993395	0.000993395	4.99498E-06	0.007079553	0.001339776	0.01969137	0.02352858	5.22741E-06	19.68535805	1.82952E-05	0.000326115	0.000287061	0.000974324
2073 Nov	67.82572174	0.070320547	0.031720489	0.001414451	16.53842926	0.031906746	8.369119644	0.000990224	0.000990224	4.97962E-06	0.00707986	0.001334165	0.019855451	0.0233599	5.21617E-06	19.56207275	1.82302E-05	0.000324957	0.000283615	0.000972498
2073 Dec	67.85844421	0.070369683	0.031730939	0.001415116	16.54654503	0.031927504	8.372850418	0.000990767	0.000990767	4.98235E-06	0.007084088	0.001334836	0.019864157	0.023371084	5.21896E-06	19.57182121	1.82393E-05	0.000325102	0.000283731	0.000973033
2074 Jan	67.86688232	0.070382454	0.031731676	0.001415179	16.54872704	0.031930733	8.373501778	0.000990853	0.000990853	4.98278E-06	0.007084756	0.00133501	0.019864433	0.023375189	5.21938E-06	19.5752182	1.82407E-05	0.000325139	0.000283791	0.000973168
2074 Feb	67.87541199	0.070389733	0.03173355	0.001415211	16.55091095	0.031931259	8.374165535	0.000990897	0.000990897	4.983E-06	0.007084981	0.001335175	0.019864349	0.023379793	5.21959E-06	19.57883835	1.82416E-05	0.000325181	0.00028387	0.000973278
2074 Mar	67.91236115	0.070427194	0.031749669	0.001415901	16.55997658	0.031946748	8.378512383	0.000991393	0.000991393	4.98549E-06	0.007088475	0.0013359	0.019873757	0.023393426	5.22219E-06	19.59012985	1.82508E-05	0.000325358	0.000284049	0.000973801
2074 Apr	68.24688721	0.070773609	0.031905405	0.00142283	16.64157867	0.032103021	8.419661522	0.000996251	0.000996251	5.00992E-06	0.007123183	0.00134248	0.019970845	0.023509178	5.24778E-06	19.68698692	1.83403E-05	0.000326961	0.000285461	0.000978594
2074 May	72.50058746	0.072459795	0.034734484	0.001455362	17.72036552	0.031100808	9.013393402	0.000995267	0.000995267	5.00767E-06	0.007074184	0.001407326	0.020705676	0.025505381	5.26767E-06	21.17271614	1.88963E-05	0.000350513	0.000324231	0.001013069
2074 Jun	73.41021729	0.067910023	0.035271224	0.001386892	17.84011269	0.027096402	9.010854721	0.000938015	0.000938015	4.72133E-06	0.006611368	0.001409447	0.019813484	0.026762726	4.98052E-06	21.95817566	1.88653E-05	0.000360949	0.000360887	0.000993864
2074 Jul	75.38284302	0.069044925	0.03628109	0.00144067	18.26478004	0.028168242	9.256240845	0.000977289	0.000977289	4.91876E-06	0.006879964	0.001452055	0.020547293	0.027358364	5.18665E-06	22.45182419	1.96149E-05	0.000370775	0.000366835	0.001024011
2074 Aug	78.54981995	0.071882166	0.037667874	0.001503559	19.0135473	0.029620955	9.63141346	0.0010232	0.0010232	5.14949E-06	0.007185835	0.001516228	0.021408588	0.028508773	5.42719E-06	23.40460968	2.03856E-05	0.00038595	0.000381312	0.001069727
2074 Sep	76.46607971	0.07254719	0.035853535	0.001469102	18.56209373	0.030208243	9.337335587	0.001013757	0.001013757	5.10055E-06	0.007154627	0.001482469	0.020856155	0.027643312	5.36393E-06	22.79016876	1.97913E-05	0.000373515	0.000364303	0.001053717
2074 Oct	75.18362427	0.074523516	0.03547835	0.001462284	18.32352257	0.030768802	9.330022812	0.001002252	0.001002252	5.04352E-06	0.007149586	0.001453506	0.021010663	0.026834359	5.31095E-06	22.1965065	1.94504E-05	0.000365223	0.000348387	0.001041707
2074 Nov	75.40472412	0.075149886	0.036074132	0.001475504	18.40341568	0.030927517	9.457933426	0.001001671	0.001001671	5.04168E-06	0.00715717	0.001453254	0.021383334	0.02675698	5.31785E-06	22.13731003	1.94674E-05	0.000366216	0.000346508	0.001042071
2074 Dec	75.46408844	0.075223558	0.03614904	0.0014774	18.41986847	0.030950032	9.474090576	0.001002068	0.001002068	5.04377E-06	0.007160562	0.001453986	0.02142678	0.026765419	5.32088E-06	22.14417458	1.94788E-05	0.000366513	0.000346574	0.00104258
2075 Jan	75.47954559	0.075243115	0.036164172	0.001477764	18.42414856	0.030954674	9.477557182	0.001002152	0.001002152	5.04421E-06	0.007161257	0.0014542	0.021434983	0.026769292	5.32149E-06	22.14727592	1.94812E-05	0.000366589	0.000346625	0.001042731
2075 Feb	75.50084686	0.075263128	0.03617901	0.00147815	18.4296875	0.030959629	9.48102951	0.001002308	0.001002308	5.04501E-06	0.007162315	0.001454554	0.021442249	0.026776709	5.32243E-06	22.15316772	1.94849E-05	0.000366695	0.000346737	0.001042968
2075 Mar	75.57234192	0.075333789	0.036212511	0.001479485	18.4472065	0.03098738	9.489866257	0.001003218	0.001003218	5.04959E-06	0.007168773	0.001455928	0.021461466	0.026802786	5.32726E-06	22.17464066	1.95026E-05	0.000367042	0.000347085	0.001043949
2075 Apr	76.09590912	0.075849891	0.03676641	0.001494027	18.58572006	0.031154649	9.609148026	0.001007347	0.001007347	5.07101E-06	0.007199565	0.001463384	0.021771815	0.026915377	5.35513E-06	22.26456261	1.96117E-05	0.000369708	0.000348424	0.001048912
2075 May	77.92887878	0.077157713	0.038213175	0.001526645	19.0524292	0.031335667	9.928740501	0.001017213	0.001017213	5.12211E-06	0.007263323	0.001491919	0.022445988	0.027548954	5.42079E-06	22.75354576	1.99479E-05	0.000379354	0.000358806	0.001066494
2075 Jun	68.66278076	0.062737003	0.034224525	0.001442773	16.29157829	0.028286129	8.711956978	0.000978295	0.000978295	4.9248E-06	0.007059726	0.001327618	0.021161061	0.02333897	5.20081E-06	19.34555626	2.00415E-05	0.000340706	0.000293845	0.000941572
2075 Jul	67.04434967	0.058946311	0.033870719	0.001456825	15.71941185	0.028159885	8.54605484	0.000990924	0.000990924	4.98828E-06	0.007151495	0.001303793	0.021389771	0.02235101	5.26697E-06	18.54545975	2.04587E-05	0.000334575	0.000276029	0.000922332
2075 Aug	67.97444153	0.059574358	0.033974726	0.001480944	15.9417038	0.029191537	8.625864983	0.0010156	0.0010156	5.11162E-06	0.007278661	0.001330378	0.021629162	0.022700172	5.38995E-06	18.84846115	2.05676E-05	0.000338022	0.000278352	0.000942408
2075 Sep	68.31110382	0.060658474	0.033794627	0.001487149	16.03705978	0.029770648	8.640371323	0.001025675	0.001025675	5.16171E-06	0.00735408	0.00133961	0.021676375	0.022815688	5.43771E-06	18.97549438	2.05995E-05	0.000338931	0.00027826	0.000951232
2075 Oct	67.44469452	0.062025305	0.032715838	0.001464631	15.86555099	0.030116819	8.487389565	0.001020128	0.001020128	5.13274E-06	0.007356565	0.001326126	0.021252023	0.022532765	5.39856E-06	18.7909584	2.03256E-05	0.000332929	0.00027228	0.000948081
2075 Nov	67.47901154	0.062485822	0.032620892	0.001464863	15.88078976	0.030273378	8.486462593	0.001021924	0.001021924	5.14161E-06	0.007378013	0.001327329	0.02124271	0.022541285	5.40652E-06	18.8080101	2.0331E-05	0.000332765	0.000271871	0.0009502
2075 Dec	67.50466919	0.062542774	0.032630246	0.001465445	15.88760471	0.030294603	8.490303993	0.001022346	0.001022346	5.14374E-06	0.007381739	0.001327823	0.021252137	0.022548374	5.40874E-06	18.81462479	2.03376E-05	0.000332867	0.000271916	0.000950643
2076 Jan	67.51560211	0.062559798	0.032632977	0.001465545	15.89054203	0.030298533	8.491474152	0.001022435	0.001022435	5.14419E-06	0.007382444	0.001328031	0.021253368	0.022553319	5.4092E-06	18.81869507	2.0339E-05	0.000332916	0.000271988	0.000950804
2076 Feb	67.54516602	0.062586702	0.032645199	0.001465998	15.89778233	0.030307451	8.494821548	0.001022763	0.001022763	5.14583E-06	0.007384687	0.001328602	0.021259524	0.022565272	5.41092E-06	18.82838058	2.03456E-05	0.000333061	0.000272163	0.000951201
2076 Mar	67.60738373	0.062644064	0.03267369	0.00146724	15.91256046	0.030333098	8.502360344	0.001023645	0.001023645	5.15027E-06	0.007390988	0.001329823	0.021277154	0.022587288	5.41557E-06	18.84659958	2.03631E-05	0.000333367	0.000272445	0.000952071
2076 Apr	67.78130341	0.062805064	0.032756865	0.001470955	15.95357227	0.030409871	8.524073601	0.001026245	0.001026245	5.16335E-06	0.007409723	0.001333243	0.0213308	0.022646084	5.42932E-06	18.89557457	2.04149E-05	0.000334224	0.000273163	0.000954516
2076 May	69.65976715	0.063811488	0.032760624	0.001464369	16.40522766	0.030163744	8.580655098	0.001033955	0.001033955	5.20089E-06	0.007437971	0.001371891	0.020980641	0.023846636	5.4585E-06	19.82829285	2.06547E-05	0.000343878	0.000295116	0.000978747
2076 Jun	69.92679596	0.060313866	0.032025654	0.001370682	16.42673874	0.026669534	8.378033638	0.000975127	0.000975127	4.90477E-06	0.006957632	0.001369089	0.019473875	0.025048943	5.1458E-06	20.61581993	2.01901E-05	0.000349062	0.00032938	0.000961197
2076 Jul	70.50128174	0.060003437	0.032768741	0.001407629	16.50788498	0.027245196	8.528248787	0.000996216	0.000996216	5.01149E-06	0.007100789	0.001382244	0.02011575	0.024997158	5.26311E-06	20.57678223	2.06178E-05	0.0003523	0.000325912	0.000969977
2076 Aug	72.48674011	0.061640799	0.033419192	0.00145121	16.97922707	0.028554594	8.741477966	0.001033121	0.001033121	5.19651E-06	0.007327214	0.00142717	0.020669699	0.025707794	5.45219E-06	21.18087196	2.10594E-05	0.000361366	0.000333332	0.001002468
2076 Sep	72.78642273	0.062854283	0.033207256	0.00145759	17.06810951	0.02918612	8.753181458	0.001043554	0.001043554	5.24838E-06	0.007409179	0.001435789	0.02071842	0.025796866	5.50156E-06	21.29056931	2.10897E-05	0.000361973	0.000332588	0.001011375
2076 Oct	70.62387085	0.064522386	0.031563278	0.001416763	16.62433052	0.02953344	8.494490623	0.001023281	0.001023281	5.14553E-06	0.007338594	0.00139582	0.020109126	0.024915816	5.38644E-06	20.6478653	2.04398E-05	0.000348547	0.000316413	0.000993537
2076 Nov	70.38770294	0.065124705	0.031452369	0.001414465	16.58872986	0.029688863	8.493737221	0.001020759	0.001020759	5.13296E-06	0.00733794	0.001390441	0.020123398	0.024771061	5.37426E-06	20.545784	2.03491E-05	0.000346825	0.000313408	0.000991877
2076 Dec	70.41567993	0.065166637	0.031460449	0.00141502	16.59556007	0.029706435	8.496850967	0.001021229	0.001021229	5.13532E-06	0.007341641	0.001391019	0.02013064	0.02478073	5.37666E-06	20.55420303	2.03572E-05	0.00034695	0.000313509	0.000992338
2077 Jan	70.42250061	0.065178134	0.031460851	0.00141506	16.59738922	0.029709129	8.497369766	0.001021291	0.001021291	5.13563E-06	0.00734213	0.001391158	0.020130666	0.024784148	5.37696E-06	20.55703735	2.03581E-05	0.000346979	0.00031356	0.000992449
2077 Feb	70.43604279	0.065190293	0.031465594	0.001415205	16.60078239	0.029711902	8.498755455	0.001021406	0.001021406	5.13621E-06	0.007342868	0.001391417	0.020132415	0.024790311	5.37756E-06	20.56196213	2.03604E-05	0.000347046	0.000313657	0.000992626
2077 Mar	70.46165466	0.065213799	0.031476352	0.001415652	16.60692787	0.029721092	8.501714706	0.001021733	0.001021733	5.13785E-06	0.007345167	0.001391919	0.02013859	0.024800081	5.37927E-06	20.56995964	2.0367E-05	0.000347171	0.000313792	0.00099298
2077 Apr	70.68094635	0.065416634	0.031573743	0.001420016	16.65866852	0.029812699	8.528065681	0.001024889	0.001024889	5.15372E-06	0.007367827	0.00139625	0.020200513	0.02487774	5.39588E-06	20.63431549	2.04299E-05	0.000348252	0.00031478	0.000996067
2077 May	72.21121216	0.066206999	0.031902123	0.001420023	17.03576279	0.029580086	8.6311903	0.001028838	0.001028838	5.17323E-06	0.007375452	0.001425073	0.020098781	0.025770187	5.41348E-06	21.3211441	2.06092E-05	0.000356267	0.00033131	0.001013477
2077 Jun	71.71070099	0.062176652	0.03210694	0.001360636	16.8653717	0.026555477	8.563204765	0.000974367	0.000974367	4.90106E-06	0.006948525	0.001401999	0.019450029	0.026085855	5.14269E-06	21.42220306	2.02417E-05	0.000357931	0.000348093	0.000982759
2077 Jul	73.389534	0.062804095	0.032607306	0.001407194	17.17102432	0.027518919	8.699599266	0.001016848	0.001016848	5.11379E-06	0.007253921	0.001441667	0.019974671	0.026610099	5.35806E-06	21.86931801	2.11311E-05	0.00036685	0.000352903	0.001010571
2077 Aug	75.65707397	0.064759672	0.033382453	0.001454195	17.70968819	0.028852547	8.945725441	0.001055842	0.001055842	5.30936E-06	0.007501946	0.001490851	0.020595968	0.027425708	5.55863E-06	22.56211853	2.16583E-05	0.000377527	0.00036201	0.001045754
2077 Sep	72.04396057	0.065409236	0.031211529	0.001400713	16.96897125	0.029563894	8.576052666	0.001024615	0.001024615	5.15164E-06	0.007303094	0.001424163	0.019978842	0.025813643	5.38781E-06	21.38143349	2.02758E-05	0.000356228	0.000332144	0.00100898
2077 Oct	71.53281403	0.067583621	0.031271949	0.001403583	16.91912651	0.030143091	8.661679268	0.001018012	0.001018012	5.11947E-06	0.007315778	0.001409297	0.020279584	0.025350003	5.36262E-06	21.05186653	2.00532E-05	0.000352035	0.000322196	0.00100515
2077 Nov	71.76187134	0.067893133	0.031486396	0.001409882	16.97920609	0.030249016	8.714606285	0.001020182	0.001020182	5.13066E-06	0.0073341	0.001412691	0.020419218	0.025395574	5.37655E-06	21.09046745	2.01034E-05	0.000353151	0.000322592	0.001007658
2077 Dec	71.78942108	0.067932926	0.031494725	0.001410422	16.98591995	0.030265657	8.717716217	0.001020633	0.001020633	5.13292E-06	0.00733762	0.001413256	0.020426415	0.025405146	5.37887E-06	21.09876251	2.01113E-05	0.000353275	0.000322695	0.001008103
2078 Jan	71.80225372	0.067949347	0.031497955	0.001410592	16.98913002	0.03027094	8.718966484	0.001020788	0.001020788	5.13369E-06	0.007338774	0.001413514	0.020428307	0.025410593	5.37966E-06	21.10328102	2.0114E-05	0.000353334	0.00032277	0.001008298
2078 Feb	71.81613159	0.067961968	0.03150253	0.001410753	16.99256516	0.030274315	8.720344543	0.001020922	0.001020922	5.13437E-06	0.007339657	0.001413786	0.020430176	0.025416814	5.38035E-06	21.108284	2.01166E-05	0.000353402	0.000322866	0.001008485
2078 Mar	71.83589935	0.067980394	0.031510375	0.00141108	16.9973259	0.030281298	8.722578049	0.001021168	0.001021168	5.1356E-06	0.007341385	0.001414174	0.020434663	0.025424523	5.38163E-06	21.11459732	2.01215E-05	0.000353499	0.000322973	0.001008759
2078 Apr	72.24467468	0.068367071	0.031689208	0.001419075	17.09409523	0.030452836	8.772116661	0.001026959	0.001026959	5.16473E-06	0.007382993	0.00142222	0.020550294	0.025569608	5.41215E-06	21.23503494	2.02356E-05	0.00035551	0.000324822	0.001014497
2078 May	75.45263672	0.06928312	0.032705724	0.001405293	17.90064812	0.029152196	9.028142929	0.001017162	0.001017162	5.1157E-06	0.007256399	0.001477099	0.020250099	0.027566206	5.36272E-06	22.72544861	2.04288E-05	0.000373084	0.000364879	0.001043558
2078 Jun	76.03143311	0.066902407	0.033510581	0.001360964	18.04633904	0.026557049	9.129897118	0.000968953	0.000968953	4.87544E-06	0.006866771	0.001473461	0.019853797	0.028321207	5.12888E-06	23.17678642	2.0092E-05	0.000379108	0.000388034	0.001028097
2078 Jul	78.58244324	0.068668701	0.034521263	0.001416766	18.62079048	0.027843898	9.418445587	0.001013337	0.001013337	5.09826E-06	0.007159001	0.001529307	0.020572208	0.029238982	5.35916E-06	23.92752266	2.08556E-05	0.000391328	0.000398919	0.001067991
2078 Aug	78.78725433	0.068411201	0.034197938	0.001432765	18.66582489	0.028940732	9.400205612	0.001035516	0.001035516	5.20868E-06	0.00724211	0.001547126	0.020611236	0.029333128	5.46556E-06	24.01586342	2.07314E-05	0.000390389	0.000396706	0.001083047
2078 Sep	78.69447327	0.06902723	0.033739377	0.001435345	18.66355515	0.029681925	9.351947784	0.001045397	0.001045397	5.25751E-06	0.007295716	0.001550043	0.020602224	0.029250961	5.50965E-06	24.00411224	2.05765E-05	0.000389034	0.000392633	0.001087164
2078 Oct	77.81051636	0.070099249	0.033375412	0.001427703	18.4908123	0.02997783	9.315459251	0.001037694	0.001037694	5.21906E-06	0.007286455	0.001531131	0.020608757	0.028748143	5.47175E-06	23.63468933	2.03491E-05	0.000383477	0.000382932	0.001078933
2078 Nov	77.81991577	0.070595682	0.033511046	0.001431884	18.50620079	0.030128034	9.359978676	0.001037611	0.001037611	5.21901E-06	0.007298437	0.001529754	0.020750742	0.028671881	5.47474E-06	23.58203316	2.03414E-05	0.000383276	0.000381075	0.0010791
2078 Dec	77.84189606	0.070630543	0.033521842	0.001432373	18.5117569	0.030141439	9.363420486	0.001037924	0.001037924	5.22059E-06	0.007301008	0.001530163	0.020759264	0.02867825	5.47644E-06	23.58760834	2.03471E-05	0.000383376	0.000381135	0.001079427
2079 Jan	77.85141754	0.07064423	0.033532072	0.001432594	18.51442337	0.030144099	9.365958214	0.001037947	0.001037947	5.22073E-06	0.00730129	0.001530279	0.020765318	0.028680274	5.47671E-06	23.58921814	2.03481E-05	0.000383423	0.000381162	0.001079508
2079 Feb	77.85848999	0.07065051	0.033535976	0.001432652	18.51631546	0.030144207	9.366970062	0.001037959	0.001037959	5.22079E-06	0.00730132	0.001530394	0.020766621	0.028683487	5.4768E-06	23.59169769	2.03486E-05	0.000383458	0.000381218	0.001079581
2079 Mar	77.90673828	0.07069423	0.033558454	0.001433517	18.52793694	0.030161267	9.373106956	0.001038545	0.001038545	5.22374E-06	0.007305421	0.001531318	0.020779911	0.028701264	5.47994E-06	23.60621834	2.03604E-05	0.000383696	0.000381462	0.001080227
2079 Apr	78.15911865	0.070923187	0.033666693	0.001438129	18.58800316	0.030258264	9.403373718	0.001041891	0.001041891	5.24057E-06	0.007328936	0.001536278	0.0208466	0.028794626	5.49759E-06	23.68296432	2.0426E-05	0.000384939	0.000382707	0.001083724
2079 May	79.25707245	0.071831122	0.03402758	0.001453737	18.84791946	0.030579347	9.510398865	0.001055129	0.001055129	5.30695E-06	0.007419545	0.001558308	0.0210304	0.029260162	5.5655E-06	24.06028366	2.06971E-05	0.000390395	0.000389552	0.001098966
2079 Jun	70.83224487	0.059359889	0.031070784	0.001357748	16.44955063	0.026838275	8.496198654	0.000987673	0.000987673	4.96792E-06	0.007017528	0.001395671	0.019755717	0.025553526	5.21196E-06	21.01338196	2.03674E-05	0.000355371	0.000336836	0.000974386
2079 Jul	69.35251617	0.056521058	0.030988377	0.001374757	15.96803951	0.026931662	8.40998745	0.0009966518	0.0009966518	5.01295E-06	0.007082353	0.001372048	0.020121921	0.024574695	5.26361E-06	20.22530746	2.06041E-05	0.00034906	0.00031869	0.00095703
2079 Aug	70.93049622	0.057551198	0.031416427	0.001412675	16.33443642	0.02818918	8.57209301	0.001030858	0.001030858	5.18494E-06	0.007276095	0.001412297	0.020542236	0.025164204	5.43795E-06	20.71446991	2.09282E-05	0.00035563	0.000324278	0.000986902
2079 Sep	69.41373444	0.059567343	0.030183794	0.001387732	16.06361771	0.028932789	8.403716087	0.001019997	0.001019997	5.12955E-06	0.007246178	0.001384702	0.02019994	0.024476377	5.37362E-06	20.2444973	2.03168E-05	0.000345439	0.000310048	0.000976559
2079 Oct	68.70346832	0.062038992	0.030131588	0.001384714	15.98321056	0.029487358	8.479011536	0.001008522	0.001008522	5.07299E-06	0.007233662	0.001364765	0.020454211	0.023933521	5.32371E-06	19.85706329	1.99845E-05	0.000340025	0.00029891	0.000970016
2079 Nov	68.44345093	0.06345319	0.030163303	0.001385546	15.96775818	0.029829096	8.535311699	0.001004034	0.001004034	5.05105E-06	0.007238547	0.001356424	0.020629546	0.023684025	5.3059E-06	19.68330574	1.98412E-05	0.000337738	0.000293481	0.000968111
2079 Dec	68.14762878	0.064461231	0.029995538	0.001382497	15.92921066	0.030083753	8.536646843	0.00100096	0.00100096	5.03571E-06	0.007244114	0.001349535	0.020648152	0.023495663	5.29088E-06	19.55461121	1.97213E-05	0.00033542	0.000289394	0.000966577
2080 Jan	68.16004944	0.064483203	0.030003047	0.001382627	15.93283558	0.030086849	8.538965225	0.001000974	0.001000974	5.03579E-06	0.00724435	0.001349718	0.020651897	0.023500374	5.29105E-06	19.55841255	1.97216E-05	0.000335476	0.000289468	0.000966718
2080 Feb	68.17861938	0.064499505	0.030008584	0.001382736	15.93762493	0.030088482	8.540683746	0.001001072	0.001001072	5.03629E-06	0.007244875	0.001350068	0.020652762	0.023509841	5.29155E-06	19.56586456	1.97237E-05	0.000335566	0.000289629	0.000966951
2080 Mar	68.1905899	0.064510159	0.030011883	0.001382827	15.94065094	0.030090313	8.541743279	0.00100116	0.00100116	5.03672E-06	0.007245402	0.0013503	0.020653481	0.02351577	5.29199E-06	19.57057571	1.97255E-05	0.000335624	0.000289726	0.0009671
2080 Apr	68.34558868	0.064656429	0.030078996	0.001385885	15.97701359	0.030156791	8.560913086	0.001003386	0.001003386	5.04792E-06	0.007261457	0.001353367	0.020698803	0.02357023	5.30374E-06	19.61577415	1.97693E-05	0.000336387	0.00029041	0.000969302
2080 May	69.34375763	0.065581433	0.030497691	0.001405115	16.21061707	0.030573199	8.681033134	0.001017645	0.001017645	5.11962E-06	0.007363958	0.001373195	0.020978071	0.023927728	5.37876E-06	19.91182327	2.00521E-05	0.000341308	0.00029498	0.000983427
2080 Jun	63.9502182	0.056468591	0.028157361	0.001354763	14.585742	0.028461548	7.894909859	0.000996141	0.000996141	5.00996E-06	0.007251474	0.001277617	0.020031387	0.021553034	5.25139E-06	17.98070335	2.02642E-05	0.000319596	0.000259579	0.000908841
2080 Jul	62.11603928	0.052536454	0.027603434	0.001356559	14.01261234	0.028306056	7.690279484	0.001000731	0.001000731	5.03282E-06	0.007246771	0.001252393	0.019997509	0.020634621	5.27351E-06	17.21497345	2.02993E-05	0.000311213	0.000243584	0.000889409
2080 Aug	62.60022354	0.052606486	0.027532924	0.001375311	14.14263153	0.029395485	7.73182106	0.001021475	0.001021475	5.13639E-06	0.007317476	0.001273268	0.020145265	0.020829426	5.37586E-06	17.38311577	2.01526E-05	0.00031174	0.000243234	0.000906018

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2080 Sep	62.30496216	0.054033335	0.027483243	0.001375031	14.17165089	0.030183388	7.800738811	0.001016365	0.001016365	5.11135E-06	0.007263583	0.001264818	0.020417677	0.020535989	5.35494E-06	17.21351051	1.95738E-05	0.000308908	0.000235748	0.000902495
2080 Oct	62.19984055	0.057004124	0.027810697	0.001377799	14.24786472	0.030708652	7.970134735	0.001005733	0.001005733	5.05943E-06	0.007256643	0.00125411	0.020816395	0.02025011	5.31327E-06	17.02324867	1.93184E-05	0.000306682	0.000229238	0.000901552
2080 Nov	62.11822891	0.059138119	0.027881026	0.00137811	14.29582119	0.031129796	8.058434486	0.001000239	0.001000239	5.03253E-06	0.007266016	0.001247926	0.021010216	0.020079514	5.29101E-06	16.91817474	1.91568E-05	0.000304958	0.000224984	0.000902262
2080 Dec	62.12767029	0.059320513	0.027877821	0.001378337	14.30270958	0.031175256	8.064149857	0.001000286	0.001000286	5.03278E-06	0.007270082	0.001247921	0.021021722	0.020074924	5.29143E-06	16.91755295	1.91514E-05	0.000304891	0.000224753	0.000902692
2081 Jan	62.14122391	0.059340544	0.027880806	0.001378461	14.3062849	0.031180039	8.065480232	0.001000407	0.001000407	5.03339E-06	0.007271018	0.001248184	0.021023015	0.020081138	5.29204E-06	16.92267036	1.91534E-05	0.000304951	0.000224845	0.000902894
2081 Feb	62.1540947	0.059351817	0.027883828	0.001378516	14.30960083	0.031181032	8.066496849	0.001000477	0.001000477	5.03373E-06	0.00727138	0.001248433	0.021022983	0.020088006	5.29238E-06	16.92807961	1.91549E-05	0.000305014	0.000224962	0.000903061
2081 Mar	62.17689896	0.059373036	0.02789255	0.001378897	14.3150444	0.031189485	8.069098473	0.001000768	0.001000768	5.0352E-06	0.007273422	0.001248885	0.021028295	0.020096859	5.2939E-06	16.93533516	1.91605E-05	0.000305125	0.000225083	0.000903381
2081 Apr	62.39852142	0.059583541	0.027988905	0.001383555	14.36646461	0.031294569	8.097132683	0.001004182	0.001004182	5.05237E-06	0.007298073	0.001253326	0.021098366	0.020171512	5.31193E-06	16.99782562	1.92259E-05	0.000306212	0.000225965	0.000906579
2081 May	65.88994598	0.061176136	0.028300146	0.001364811	15.23890209	0.030336184	8.210422516	0.001007307	0.001007307	5.06624E-06	0.007264607	0.001320627	0.020350965	0.022475237	5.31134E-06	18.76461792	1.95625E-05	0.000324536	0.000270073	0.000946568
2081 Jun	68.38011169	0.060890015	0.029435951	0.0013374	15.86712742	0.02823909	8.429149628	0.0009793	0.0009793	4.92653E-06	0.00701827	0.001355256	0.019993322	0.0241611	5.17429E-06	19.98204803	1.96173E-05	0.000339784	0.00030762	0.000958332
2081 Jul	71.55651093	0.063429236	0.030903492	0.001406294	16.58412933	0.029641718	8.837776184	0.001028887	0.001028887	5.17611E-06	0.007370928	0.001419114	0.021043265	0.025219221	5.4374E-06	20.85760117	2.06142E-05	0.000355716	0.000320331	0.001003254
2081 Aug	74.69665527	0.066188201	0.032135982	0.001469949	17.31668091	0.031199066	9.210957527	0.001078218	0.001078218	5.42397E-06	0.007706353	0.001484114	0.021958124	0.02632851	5.69516E-06	21.78529739	2.145E-05	0.000370938	0.000333549	0.001049587
2081 Sep	74.34284973	0.0668291	0.03150738	0.001465124	17.26546669	0.031840596	9.1208601	0.001083338	0.001083338	5.44873E-06	0.007729952	0.00148179	0.021810975	0.026180197	5.71303E-06	21.71984291	2.11935E-05	0.000368059	0.000328791	0.001050664
2081 Oct	73.81312561	0.067756049	0.030928295	0.001454494	17.16629791	0.032101519	9.031245232	0.001081049	0.001081049	5.43659E-06	0.007742356	0.001473206	0.021582618	0.02597817	5.6951E-06	21.58662987	2.10522E-05	0.00036432	0.000324444	0.001048861
2081 Nov	72.71941376	0.068340845	0.03006855	0.001432727	16.93894768	0.03217819	8.869548798	0.001071179	0.001071179	5.38624E-06	0.007704042	0.001453612	0.021180244	0.025575703	5.63651E-06	21.29116631	2.07512E-05	0.000357657	0.000317368	0.001039753
2081 Dec	72.6185379	0.068503074	0.029961891	0.001430705	16.91981888	0.032222908	8.852736473	0.001070688	0.001070688	5.38365E-06	0.007705716	0.001451958	0.021137506	0.025537385	5.63286E-06	21.26557922	2.07242E-05	0.000356957	0.000316561	0.001039352
2082 Jan	72.62519073	0.06851811	0.029960306	0.001430666	16.92180443	0.032225143	8.852912903	0.00107072	0.00107072	5.38381E-06	0.007706021	0.001452097	0.021135736	0.025541615	5.63297E-06	21.26907158	2.07242E-05	0.000356981	0.000316628	0.001039471
2082 Feb	72.64478302	0.068535596	0.029965779	0.001430825	16.92674065	0.032228407	8.854669571	0.00107087	0.00107087	5.38456E-06	0.007706942	0.001452478	0.021137092	0.025551204	5.63373E-06	21.27670097	2.07272E-05	0.000357076	0.000316784	0.001039731
2082 Mar	72.68592072	0.068573862	0.029981324	0.001431511	16.93652534	0.032243703	8.85933876	0.001071401	0.001071401	5.38723E-06	0.007710674	0.001453295	0.021146694	0.025556714	5.6365E-06	21.28977966	2.07375E-05	0.000357278	0.000317002	0.001040309
2082 Apr	72.87554932	0.06875246	0.030058727	0.001435175	16.98082924	0.032326128	8.882255554	0.001074153	0.001074153	5.40106E-06	0.007730429	0.001457084	0.02120051	0.025634686	5.65097E-06	21.34591293	2.07908E-05	0.00035821	0.000317851	0.001043017
2082 May	73.79582214	0.06961824	0.030435914	0.001453161	17.1953392	0.032730874	8.993805885	0.001087656	0.001087656	5.46895E-06	0.007827512	0.001475488	0.021465171	0.025960179	5.72196E-06	21.61673546	2.10525E-05	0.000362734	0.00032191	0.00105618
2082 Jun	65.04027557	0.055918537	0.028273271	0.001379416	14.68447781	0.028958095	8.081890106	0.001021629	0.001021629	5.13867E-06	0.007432859	0.001302264	0.020767247	0.021789599	5.39031E-06	18.190588	2.08522E-05	0.000327146	0.000260919	0.000921745
2082 Jul	61.90184784	0.049969953	0.028196434	0.001378751	13.73543549	0.027877219	7.900878906	0.001006128	0.001006128	5.06275E-06	0.007329688	0.001240783	0.021139821	0.020012056	5.32748E-06	16.71596336	2.09243E-05	0.000314741	0.000232871	0.000872716
2082 Aug	63.45455933	0.051233094	0.028592024	0.001415401	14.1004591	0.029142452	8.060827255	0.001039386	0.001039386	5.22933E-06	0.007526614	0.001278179	0.021602629	0.020549677	5.49646E-06	17.1852951	2.12402E-05	0.000321599	0.000237466	0.000900029
2082 Sep	63.69189835	0.05255251	0.028272439	0.001418597	14.19154167	0.029830424	8.050426483	0.001048711	0.001048711	5.27543E-06	0.007593255	0.001286074	0.021575157	0.020643489	5.5382E-06	17.30545998	2.11701E-05	0.000321638	0.000236711	0.000908701
2082 Oct	61.62831116	0.055431955	0.026752891	0.001368234	13.85468292	0.030074639	7.822980881	0.001016762	0.001016762	5.11417E-06	0.007448062	0.001243822	0.020832617	0.019889751	5.36438E-06	16.7610817	2.02573E-05	0.00030777	0.000223616	0.000891105
2082 Nov	61.85969925	0.055969954	0.026993584	0.001374625	13.92131996	0.030221481	7.894851208	0.001017964	0.001017964	5.12065E-06	0.007464697	0.00124654	0.021017531	0.019915225	5.37477E-06	16.78611946	2.02848E-05	0.000308787	0.000223538	0.000893574
2082 Dec	61.89533615	0.056017846	0.027013738	0.001375459	13.92996693	0.030241091	7.900970936	0.001018457	0.001018457	5.12314E-06	0.007468667	0.001247187	0.021033486	0.019924842	5.37752E-06	16.79442596	2.02945E-05	0.000308958	0.000223629	0.000894066
2083 Jan	61.90973282	0.056035999	0.027021499	0.001375691	13.93366432	0.030245969	7.903292656	0.001018575	0.001018575	5.12374E-06	0.007469591	0.001247436	0.021038236	0.019929899	5.3782E-06	16.79855537	2.0297E-05	0.000309027	0.0002237	0.000894246
2083 Feb	61.93495178	0.056058656	0.027030822	0.0013761	13.93962383	0.030254839	7.906105518	0.001018896	0.001018896	5.12536E-06	0.007471849	0.001247937	0.021043917	0.019939808	5.37988E-06	16.8066597	2.03034E-05	0.000309151	0.000223837	0.000894598
2083 Mar	61.98141861	0.056100618	0.02705018	0.00137705	13.95023632	0.03027565	7.911814213	0.001019609	0.001019609	5.12894E-06	0.007477025	0.001248869	0.021058125	0.019955743	5.38363E-06	16.81995583	2.03176E-05	0.000309382	0.000224031	0.000895263
2083 Apr	62.20756912	0.056305256	0.027148353	0.001382027	14.00122547	0.03038504	7.940555096	0.0010233	0.0010233	5.14751E-06	0.00750406	0.001253424	0.021134058	0.020029115	5.40312E-06	16.8817215	2.03912E-05	0.000310511	0.000224863	0.000898525
2083 May	66.00252533	0.058726728	0.028928652	0.001401248	14.97099972	0.029976046	8.40482235	0.001027719	0.001027719	5.17107E-06	0.007497788	0.001316916	0.02156057	0.0219156	5.43875E-06	18.3229847	2.07579E-05	0.000330418	0.000259625	0.000936235
2083 Jun	68.75532532	0.057825431	0.030097263	0.001337687	15.71460247	0.026625838	8.620261192	0.000970257	0.000970257	4.88373E-06	0.007003703	0.001350973	0.02069081	0.024138095	5.15106E-06	19.89635468	2.03709E-05	0.000347558	0.000311745	0.000942579
2083 Jul	69.28668213	0.057318121	0.03064888	0.001372693	15.77867031	0.027348727	8.759933472	0.000993226	0.000993226	4.99972E-06	0.007141423	0.001366896	0.021285409	0.024112428	5.27646E-06	19.87158775	2.07123E-05	0.000350093	0.000308268	0.0009538
2083 Aug	68.54816437	0.055848625	0.029765112	0.001377174	15.61812782	0.028621305	8.606688499	0.001011618	0.001011618	5.09046E-06	0.007138777	0.001375674	0.02097436	0.023938322	5.35712E-06	19.71923065	2.01405E-05	0.000342701	0.000301168	0.000964655
2083 Sep	68.07206726	0.058412086	0.029629124	0.001376712	15.59198189	0.029383548	8.679670334	0.001005653	0.001005653	5.06123E-06	0.00715162	0.001361864	0.02123953	0.023505207	5.3328E-06	19.43615723	1.98145E-05	0.000338501	0.000291157	0.000961826
2083 Oct	66.84012604	0.062683523	0.029624084	0.001368998	15.44910431	0.030183094	8.839247704	0.000981441	0.000981441	4.94187E-06	0.007106848	0.001324669	0.021749752	0.022544015	5.22743E-06	18.74620247	1.92227E-05	0.000329536	0.000272064	0.000947704
2083 Nov	66.65455627	0.064094797	0.029845867	0.001371832	15.45027828	0.030459795	8.942936897	0.000974928	0.000974928	4.91024E-06	0.007099744	0.001315723	0.022054216	0.022281963	5.20341E-06	18.55842209	1.90806E-05	0.000327887	0.000266637	0.000944657
2083 Dec	66.72094727	0.064172395	0.02992847	0.001373786	15.46704388	0.03048115	8.964439392	0.000975189	0.000975189	4.9117E-06	0.007102647	0.001316465	0.022112656	0.02228884	5.20618E-06	18.56381226	1.90922E-05	0.000328244	0.000266673	0.000945121
2084 Jan	66.72912598	0.064185873	0.029930197	0.001373839	15.46928978	0.030483726	8.965272903	0.000975242	0.000975242	4.91197E-06	0.007103087	0.001316617	0.022113223	0.022292741	5.20644E-06	18.56701279	1.90931E-05	0.00032828	0.000266733	0.00094524
2084 Feb	66.74420166	0.064199381	0.029934892	0.001373978	15.47306442	0.030486509	8.966745377	0.000975362	0.000975362	4.91257E-06	0.007103839	0.001316908	0.022114776	0.022299852	5.20706E-06	18.57267952	1.90955E-05	0.000328354	0.000266847	0.000945438
2084 Mar	66.79556274	0.064248286	0.029956676	0.001374942	15.48512268	0.030507794	8.973317146	0.00097606	0.00097606	4.91608E-06	0.007108858	0.00131792	0.022129847	0.022318173	5.21077E-06	18.58779907	1.91092E-05	0.000328606	0.000267082	0.000946159
2084 Apr	67.16409302	0.064602479	0.030121254	0.001382475	15.57064342	0.030674895	9.022641182	0.000981416	0.000981416	4.94306E-06	0.007147829	0.00132519	0.02225085	0.022441959	5.23935E-06	18.69081879	1.9214E-05	0.000330419	0.000268573	0.000951376
2084 May	70.62861633	0.06596785	0.030551717	0.001371091	16.42394829	0.029813811	9.142297745	0.000988652	0.000988652	4.97766E-06	0.007143595	0.001392019	0.021620499	0.024654537	5.26099E-06	20.39216614	1.96365E-05	0.000348865	0.000310603	0.000990671
2084 Jun	71.50150299	0.063036762	0.03106907	0.001316383	16.61377144	0.02677721	9.142130852	0.000941399	0.000941399	4.74113E-06	0.006755061	0.001394431	0.020869918	0.02572939	5.02218E-06	21.09984589	1.94544E-05	0.000357548	0.000340782	0.000976177
2084 Jul	72.85231018	0.063491456	0.031750523	0.001358266	16.87510109	0.027662553	9.333827972	0.000972836	0.000972836	4.89931E-06	0.006964325	0.001425757	0.021504156	0.026084529	5.1885E-06	21.39304543	2.00209E-05	0.000364318	0.000343252	0.000998197
2084 Aug	74.00518036	0.0643856	0.031945165	0.001386219	17.15190697	0.028783722	9.440735817	0.001000226	0.001000226	5.03631E-06	0.007113172	0.001456053	0.021816581	0.026504327	5.32592E-06	21.76040649	2.01854E-05	0.00036898	0.00034644	0.001020713
2084 Sep	72.90274811	0.064708643	0.031053219	0.001371984	16.93714905	0.029343028	9.276952744	0.000997366	0.000997366	5.02099E-06	0.007084259	0.001438611	0.021556461	0.026018109	5.30224E-06	21.43312263	1.97143E-05	0.00036216	0.000336199	0.001012001
2084 Oct	71.78859711	0.067279942	0.030949596	0.00136838	16.75491142	0.02994859	9.358866692	0.000982761	0.000982761	4.94913E-06	0.007070526	0.001409261	0.021928567	0.025197815	5.23994E-06	20.8339386	1.93443E-05	0.000354722	0.00031997	0.000999953
2084 Nov	71.57065582	0.068308987	0.031081777	0.001371416	16.73169708	0.030203849	9.431304932	0.000978791	0.000978791	4.92999E-06	0.007074522	0.001401432	0.022174861	0.024945986	5.22664E-06	20.65159035	1.92515E-05	0.000353061	0.000314724	0.000997201
2084 Dec	71.60568237	0.068357654	0.031103976	0.001372226	16.74027634	0.030222094	9.438163757	0.000979206	0.000979206	4.9321E-06	0.007077986	0.001402031	0.022192556	0.024954796	5.22906E-06	20.65915871	1.926E-05	0.000353229	0.000314807	0.000997654
2085 Jan	71.62401581	0.06837786	0.031125976	0.001372678	16.74498177	0.030225629	9.443979263	0.000979219	0.000979219	4.93221E-06	0.007078306	0.001402229	0.022207417	0.024957621	5.22952E-06	20.66126442	1.92623E-05	0.000353329	0.000314843	0.000997769
2085 Feb	71.6418457	0.068393581	0.031135824	0.001372932	16.74940681	0.03022914	9.446744919	0.000979341	0.000979341	4.93283E-06	0.007079129	0.001402537	0.022212796	0.024964409	5.23024E-06	20.66663933	1.92653E-05	0.000353419	0.000314948	0.000997972
2085 Mar	71.66395569	0.068414263	0.031144576	0.001373285	16.75469208	0.030236753	9.44942379	0.000979601	0.000979601	4.93414E-06	0.007080959	0.001402967	0.022218192	0.024972988	5.23162E-06	20.67363358	1.92704E-05	0.000353528	0.000315068	0.000998274
2085 Apr	71.8737793	0.068614334	0.031235261	0.001377265	16.80381584	0.030324308	9.476953506	0.000982446	0.000982446	4.94847E-06	0.00710149	0.001407074	0.022282401	0.025046607	5.24681E-06	20.73451996	1.93264E-05	0.000354563	0.000316004	0.001001194
2085 May	74.31809998	0.069406509	0.031578552	0.001370288	17.39713669	0.029665777	9.562627792	0.00098793	0.00098793	4.97484E-06	0.007101475	0.001454234	0.021851806	0.026602007	5.26448E-06	21.92570305	1.96645E-05	0.000367727	0.000345697	0.001028599
2085 Jun	75.95509338	0.068429627	0.031997934	0.001352264	17.756073	0.028225206	9.610276222	0.000978177	0.000978177	4.92553E-06	0.006996414	0.001481365	0.021429848	0.027780414	5.2107E-06	22.78356743	1.99276E-05	0.000378359	0.000371519	0.001038261
2085 Jul	77.97422028	0.069725521	0.032656316	0.001397687	18.20228386	0.029437082	9.829421997	0.001017313	0.001017313	5.1218E-06	0.007243084	0.00152892	0.021981318	0.028523909	5.41177E-06	23.39004135	2.05098E-05	0.000387608	0.000379741	0.001072871
2085 Aug	76.97283173	0.068622604	0.031909537	0.001395143	17.98647308	0.030271929	9.681612968	0.00102398	0.00102398	5.15431E-06	0.007210369	0.001520753	0.021829143	0.028087322	5.43748E-06	23.07600403	1.99653E-05	0.000380922	0.000369412	0.001068856
2085 Sep	75.20458221	0.070028052	0.031892728	0.001393747	17.65308571	0.031053493	9.780637741	0.001004654	0.001004654	5.05959E-06	0.007120848	0.001477323	0.022508221	0.026806887	5.35848E-06	22.13324928	1.9231E-05	0.00037074	0.00034458	0.00104404
2085 Oct	74.24895477	0.07226187	0.032267302	0.001398399	17.48732948	0.031507738	9.969050407	0.000988181	0.000988181	4.97943E-06	0.007097072	0.001447413	0.023210967	0.025932681	5.29642E-06	21.47564125	1.89453E-05	0.000364845	0.000327824	0.001029684
2085 Nov	73.87147522	0.073369108	0.032586895	0.001403264	17.42627335	0.031725783	10.09531498	0.000979973	0.000979973	4.93975E-06	0.007084318	0.001433583	0.023648379	0.025512384	5.26787E-06	21.15730667	1.88195E-05	0.000362534	0.000319756	0.00102284
2085 Dec	73.90923309	0.073420353	0.032633301	0.001404407	17.43557167	0.031740684	10.10833931	0.000980138	0.000980138	4.94067E-06	0.007086394	0.001433995	0.023684425	0.025514932	5.26959E-06	21.15944672	1.88267E-05	0.000362736	0.000319741	0.001023113
2086 Jan	73.91659546	0.07343284	0.032635298	0.00140446	17.43758965	0.031742886	10.10921669	0.00098018	0.00098018	4.94088E-06	0.007086769	0.001434127	0.02368529	0.025518285	5.26981E-06	21.16219139	1.88274E-05	0.000362769	0.000319792	0.001023216
2086 Feb	73.92770386	0.07344228	0.03263871	0.00140452	17.44044685	0.031743571	10.11026669	0.000980232	0.000980232	4.94114E-06	0.007087039	0.001434334	0.023685817	0.025523975	5.27008E-06	21.16665649	1.88286E-05	0.000362823	0.00031989	0.001023353
2086 Mar	73.95644379	0.073470056	0.032650143	0.001404979	17.44735718	0.031753805	10.11383629	0.000980568	0.000980568	4.94283E-06	0.007089395	0.001434891	0.023693055	0.02553504	5.27186E-06	21.17569923	1.88351E-05	0.000362964	0.000320043	0.001023746
2086 Apr	74.25138092	0.073762618	0.032779623	0.001410532	17.51701355	0.031879235	10.15396118	0.000984452	0.000984452	4.96241E-06	0.007117441	0.001440614	0.023786411	0.025637528	5.29273E-06	21.2606163	1.89097E-05	0.000364411	0.000321336	0.001027826
2086 May	75.66822815	0.074597262	0.033054523	0.001419627	17.8511982	0.031959392	10.23700714	0.000996753	0.000996753	5.02363E-06	0.007192766	0.001469377	0.023768725	0.026385928	5.35159E-06	21.85061836	1.92172E-05	0.000371697	0.000334035	0.001046535
2086 Jun	73.41434479	0.066304408	0.03192975	0.001347045	17.06119347	0.02809016	9.68459034	0.000954295	0.000954295	4.809E-06	0.006869769	0.001423504	0.022328719	0.026079686	5.11756E-06	21.44746399	1.94845E-05	0.000367301	0.000341887	0.000996362
2086 Jul	73.92443848	0.065143339	0.032555416	0.001392542	17.04431343	0.028762441	9.827931404	0.000985575	0.000985575	4.96688E-06	0.007091559	0.00143857	0.023140652	0.025901984	5.2876E-06	21.31039238	2.01941E-05	0.000371063	0.000335381	0.001005398
2086 Aug	74.27748108	0.065135762	0.032287285	0.001410183	17.13759995	0.029921638	9.816408157	0.001008912	0.001008912	5.08302E-06	0.007182102	0.001458251	0.023197904	0.026050571	5.3993E-06	21.45474052	2.007E-05	0.000370963	0.000333907	0.001021429
2086 Sep	72.49829865	0.06552922	0.031266216	0.001392043	16.80002213	0.030755589	9.647001266	0.0009991	0.0009991	5.03328E-06	0.007094694	0.001425998	0.023070361	0.025149008	5.34391E-06	20.82732773	1.9222E-05	0.000360321	0.000315636	0.001003122
2086 Oct	72.60925293	0.067318767	0.031760849	0.001404517	16.85987854	0.03119633	9.841444969	0.000996434	0.000996434	5.02154E-06	0.007126033	0.001421477	0.023645321	0.024907345	5.34521E-06	20.65806961	1.91985E-05	0.000360266	0.000309844	0.001003383
2086 Nov	72.79588318	0.06753888	0.031867411	0.001408554	16.90421677	0.031284634	9.874920845	0.00099871	0.00099871	5.0331E-06	0.007143943	0.00142481	0.023730533	0.024959749	5.35821E-06	20.70224762	1.92451E-05	0.000361187	0.00031041	0.001005805
2086 Dec	72.81626892	0.067569695	0.031873122	0.00140895	16.90915871	0.031297613	9.877349854	0.000999045	0.000999045	5.03478E-06	0.007146584	0.00142523	0.023736237	0.024966696	5.35994E-06	20.70830727	1.92508E-05	0.000361278	0.000310481	0.001006139
2087 Jan	72.82236481	0.067579143	0.031873755	0.001409	16.91076088	0.031300057	9.877790451	0.00099911	0.00099911	5.0351E-06	0.007147084	0.001425356	0.023736363	0.024969652	5.36025E-06	20.71076012	1.92518E-05	0.000361304	0.000310524	0.001006238
2087 Feb	72.84405518	0.067598976	0.031881966	0.001409327	16.91596031	0.031307209	9.880364418	0.000999357	0.000999357	5.03634E-06	0.007148786	0.001425779	0.023741351	0.024978289	5.36156E-06	20.7177887	1.92566E-05	0.000361411	0.000310647	0.001006533
2087 Mar	72.90895081	0.067659035	0.031909667	0.001410532	16.93111801	0.031333912	9.888965607	0.00100022	0.00100022	5.04069E-06	0.007154922	0.001427049	0.023761362	0.025001196	5.36618E-06	20.73671532	1.92732E-05	0.000361733	0.00031094	0.001007427
2087 Apr	73.05763245	0.067796916	0.031974334	0.001413379	16.96569443	0.031397134	9.909016609	0.001002244	0.001002244	5.05089E-06	0.00716938	0.001429959	0.023809167	0.025052553	5.37703E-06	20.77926826	1.93122E-05	0.00036247	0.000311584	0.00100948
2087 May	74.31461334	0.06822262	0.032041192	0.001405722	17.27360535	0.030963326	9.92009449	0.001004155	0.001004155	5.05957E-06	0.007164494	0.001454725	0.023451308	0.025917286	5.37851E-06	21.43983841	1.9493E-05	0.000369182	0.000328363	0.001024094
2087 Jun	75.21476746	0.065882981	0.031655721	0.001352962	17.43550491	0.028464545	9.708461761	0.000979101	0.000979101	4.93192E-06	0.006956084	0.001469234	0.022165839	0.02715826	5.23121E-06	22.30864334	1.96993E-05	0.000376813	0.000359192	0.001023249
2087 Jul	75.84272766	0.065616898	0.031609662	0.001379224	17.53585052	0.029388737	9.723706245	0.001008304	0.001008304	5.07765E-06	0.007118513	0.001493977	0.022309048	0.027390294	5.37461E-06	22.49611092	1.99942E-05	0.000378842	0.000359635	0.001042475

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2087 Aug	77.78994751	0.067084379	0.032226481	0.001420787	17.98834801	0.030640945	9.945608139	0.00104386	0.00104386	5.25601E-06	0.007332142	0.001539217	0.022851126	0.028110607	5.55778E-06	23.09255028	2.04181E-05	0.000387559	0.000367454	0.001075389
2087 Sep	78.29162598	0.068796813	0.032077581	0.001431958	18.12996101	0.03141439	9.97512722	0.001058222	0.001058222	5.32751E-06	0.007453411	0.001551833	0.022934932	0.028264748	5.62672E-06	23.26053047	2.05468E-05	0.000388953	0.000367292	0.0010882
2087 Oct	77.55767059	0.069947451	0.031760801	0.001425114	17.99160957	0.031688962	9.950498581	0.001051291	0.001051291	5.29293E-06	0.007450094	0.001535532	0.02294868	0.027837193	5.59276E-06	22.95007515	2.03576E-05	0.00038425	0.000358964	0.001081493
2087 Nov	77.40672302	0.07058426	0.031883921	0.001427449	17.9704628	0.031833757	10.0104084	0.001048061	0.001048061	5.27739E-06	0.007450046	0.001529741	0.023151813	0.027651938	5.58216E-06	22.81302834	2.0301E-05	0.000383222	0.000355234	0.001079035
2087 Dec	77.4431839	0.070630342	0.031917121	0.001428385	17.97917175	0.031849138	10.02036285	0.00104834	0.00104834	5.27885E-06	0.007452674	0.001530254	0.023178641	0.027657958	5.58418E-06	22.81808281	2.03088E-05	0.000383412	0.000355277	0.00107939
2088 Jan	77.45610809	0.070647083	0.031922594	0.001428572	17.98242569	0.031853788	10.02224636	0.001048458	0.001048458	5.27944E-06	0.007453599	0.001530488	0.023182286	0.027662789	5.58483E-06	22.82205391	2.03111E-05	0.000383474	0.000355344	0.001079562
2088 Feb	77.46684265	0.070656627	0.031925522	0.001428652	17.98513985	0.031855419	10.02319622	0.001048536	0.001048536	5.27983E-06	0.007454069	0.001530697	0.023182921	0.027668117	5.58523E-06	22.82628632	2.03127E-05	0.000383526	0.000355432	0.001079704
2088 Mar	77.53884125	0.070722155	0.031954378	0.001429916	18.0019722	0.031883515	10.03227234	0.001049474	0.001049474	5.28456E-06	0.007460691	0.001532117	0.023203066	0.027694639	5.59021E-06	22.84807777	2.03309E-05	0.000383882	0.000355783	0.001080704
2088 Apr	78.134758	0.071265504	0.032198839	0.001440817	18.14049339	0.03212646	10.10904408	0.001057489	0.001057489	5.32491E-06	0.007517605	0.00154389	0.023379449	0.02790861	5.63288E-06	23.02448082	2.04862E-05	0.000386831	0.000358546	0.001089004
2088 May	79.5723114	0.072556078	0.032739483	0.001463797	18.47984886	0.032632675	10.27962971	0.001075113	0.001075113	5.41356E-06	0.007640375	0.00157228	0.023727639	0.028468367	5.72583E-06	23.48139763	2.08307E-05	0.00039393	0.000366314	0.001108856
2088 Jun	72.52902985	0.062073391	0.029412447	0.001386526	16.45871735	0.029932724	9.139765739	0.001042604	0.001042604	5.24683E-06	0.007470055	0.001447798	0.021964552	0.025571037	5.52469E-06	21.13600349	2.09193E-05	0.000363976	0.000323948	0.001015616
2088 Jul	73.3140564	0.061373465	0.029824182	0.001428117	16.50253296	0.030532433	9.231983185	0.001077157	0.001077157	5.42038E-06	0.007733158	0.001468171	0.022580527	0.025598567	5.70464E-06	21.17724228	2.17879E-05	0.000369422	0.000321172	0.001028408
2088 Aug	76.81598663	0.064301424	0.0311093	0.001498802	17.30019569	0.032305483	9.653645515	0.001133584	0.001133584	5.70392E-06	0.008115961	0.001541544	0.023641314	0.026826132	5.99973E-06	22.20544434	2.27391E-05	0.000386556	0.00033553	0.001080359
2088 Sep	77.41640472	0.065470763	0.031115429	0.001511518	17.45763779	0.032966182	9.703639984	0.001147357	0.001147357	5.77268E-06	0.008213473	0.001555729	0.023784878	0.027026091	6.06763E-06	22.40048981	2.28458E-05	0.000388871	0.000336574	0.001092252
2088 Oct	74.26540375	0.067136109	0.029160082	0.001452814	16.84143448	0.033004671	9.304174423	0.001111577	0.001111577	5.59157E-06	0.008045527	0.001494503	0.022778846	0.025802553	5.86838E-06	21.48493385	2.18701E-05	0.000369759	0.000315929	0.001061754
2088 Nov	73.96042633	0.06800767	0.029140973	0.001450311	16.79901314	0.033163585	9.339595795	0.001105664	0.001105664	5.56241E-06	0.00803062	0.001485789	0.022891894	0.025578829	5.84251E-06	21.32113647	2.17275E-05	0.000367623	0.000311577	0.001058218
2088 Dec	74.00786591	0.068063848	0.029179338	0.001451457	16.81019211	0.033183407	9.35131073	0.001106079	0.001106079	5.56456E-06	0.008034267	0.001486509	0.022923077	0.025588363	5.84529E-06	21.32909203	2.17382E-05	0.000367869	0.000311664	0.001058717
2089 Jan	74.016716	0.068077244	0.029181371	0.001451541	16.8125267	0.033186641	9.352223396	0.001106158	0.001106158	5.56496E-06	0.008034882	0.001486679	0.02292406	0.025592353	5.84569E-06	21.33238029	2.17395E-05	0.000367908	0.000311722	0.001058848
2089 Feb	74.0333786	0.068092234	0.029186603	0.001451735	16.81658936	0.033190887	9.353912354	0.001106324	0.001106324	5.56579E-06	0.008035988	0.001487007	0.022926485	0.025599753	5.84655E-06	21.33833694	2.17427E-05	0.00036799	0.000311835	0.001059075
2089 Mar	74.11677551	0.068168752	0.02921875	0.001453299	16.83568382	0.03322652	9.364222527	0.001107524	0.001107524	5.57183E-06	0.008044657	0.001488678	0.022950819	0.025629483	5.85288E-06	21.36300087	2.17664E-05	0.000368404	0.00031221	0.001060262
2089 Apr	74.47576904	0.068498805	0.029359754	0.001460287	16.91733742	0.033386208	9.409416199	0.001112857	0.001112857	5.59865E-06	0.008083349	0.001495886	0.023060923	0.025754256	5.88105E-06	21.46692467	2.18712E-05	0.000370188	0.000313738	0.001065392
2089 May	76.2687912	0.069181956	0.029665118	0.001449543	17.37683105	0.032737482	9.478562355	0.001110732	0.001110732	5.58726E-06	0.008035299	0.001528903	0.022672351	0.026950732	5.86329E-06	22.37516022	2.20002E-05	0.000379709	0.000337275	0.001084157
2089 Jun	77.99706268	0.067958988	0.030140998	0.001403579	17.8154068	0.030336825	9.513136864	0.001076689	0.001076689	5.41618E-06	0.007736375	0.001552428	0.021831879	0.028479489	5.68511E-06	23.46107483	2.19007E-05	0.00039105	0.000373262	0.001088243
2089 Jul	79.07522583	0.068160094	0.03028906	0.001436509	18.03118515	0.031437695	9.591261864	0.001110238	0.001110238	5.58387E-06	0.007924852	0.001585967	0.022090189	0.028891204	5.85228E-06	23.79326057	2.22498E-05	0.000395137	0.000376219	0.001113766
2089 Aug	80.28881836	0.068716422	0.030491643	0.00146965	18.30993843	0.032720312	9.703349113	0.001142989	0.001142989	5.74766E-06	0.008090831	0.001622392	0.02238521	0.029371681	6.01639E-06	24.18415642	2.24401E-05	0.000399355	0.000379926	0.001141717
2089 Sep	80.04505157	0.070346974	0.030391103	0.001472598	18.29529762	0.03330712	9.755197525	0.001142688	0.001142688	5.74656E-06	0.008124808	0.001615658	0.022601955	0.029096417	6.01863E-06	24.00856781	2.22944E-05	0.000397014	0.000373105	0.001141476
2089 Oct	77.46670532	0.073077306	0.030304227	0.001450753	17.80207253	0.033559311	9.891352654	0.001098406	0.001098406	5.52778E-06	0.007947426	0.001547766	0.023248335	0.027426047	5.82137E-06	22.73260689	2.14019E-05	0.000382191	0.000343599	0.001104117
2089 Nov	77.47496796	0.073747404	0.030497	0.00145506	17.81645584	0.033722702	9.971895218	0.001096512	0.001096512	5.519E-06	0.007953529	0.00154503	0.023491906	0.027308337	5.81825E-06	22.64818001	2.13726E-05	0.000382034	0.000340964	0.00110342
2089 Dec	77.57283783	0.073838592	0.030603871	0.001457627	17.83880806	0.033749644	10.00308323	0.00109693	0.00109693	5.52132E-06	0.00795788	0.001546224	0.02357691	0.027320802	5.82245E-06	22.65773201	2.13915E-05	0.000382585	0.000341066	0.001104111
2090 Jan	77.59130859	0.073860839	0.030609008	0.001457892	17.84332466	0.033757385	10.00504112	0.001097162	0.001097162	5.52248E-06	0.007959597	0.001546595	0.023580363	0.027328327	5.82365E-06	22.66397095	2.13956E-05	0.000382672	0.000341168	0.001104387
2090 Feb	77.61618805	0.073883899	0.030617576	0.001458245	17.8492775	0.033765338	10.0078373	0.001097444	0.001097444	5.5239E-06	0.007961553	0.001547087	0.023585435	0.027338553	5.82512E-06	22.67227745	2.14012E-05	0.000382794	0.000341315	0.001104731
2090 Mar	77.68326569	0.073947415	0.030643353	0.001459442	17.86482811	0.033792958	10.01626015	0.001098354	0.001098354	5.52848E-06	0.007968107	0.001548421	0.023604458	0.027362978	5.82994E-06	22.69243622	2.14189E-05	0.000383124	0.000341631	0.001105681
2090 Apr	77.91098022	0.074163988	0.030732794	0.001463684	17.91727066	0.033891119	10.04549313	0.001101552	0.001101552	5.54458E-06	0.007991279	0.001552959	0.023672875	0.027443646	5.84691E-06	22.75927925	2.14813E-05	0.000384247	0.000342644	0.001108919
2090 May	79.81865692	0.075503804	0.032476455	0.00150264	18.35393143	0.034154814	10.54261494	0.001108745	0.001108745	5.58398E-06	0.008053108	0.001579008	0.024927411	0.027888007	5.9145E-06	23.09605217	2.18323E-05	0.000395032	0.000349175	0.001123481
2090 Jun	77.65350342	0.067874052	0.032782763	0.001427004	17.68068504	0.029716156	10.37974358	0.001029725	0.001029725	5.19005E-06	0.007467965	0.001515216	0.024374381	0.027348617	5.52995E-06	22.47139168	2.1444E-05	0.000391765	0.000355671	0.001056728
2090 Jul	78.2355957	0.067168005	0.033137627	0.001462362	17.7081356	0.030340252	10.47402477	0.001058106	0.001058106	5.33277E-06	0.007667225	0.001532309	0.024929969	0.027335657	5.67935E-06	22.47062683	2.20475E-05	0.000395487	0.000352401	0.001067847
2090 Aug	75.89015198	0.065150052	0.032138385	0.001446668	17.23870277	0.031405021	10.28259087	0.001047828	0.001047828	5.281E-06	0.007460122	0.001496431	0.024888858	0.026195442	5.62437E-06	21.62851906	2.06735E-05	0.000381535	0.00032948	0.001043417
2090 Sep	74.00222778	0.067337297	0.031754024	0.001430984	16.89659119	0.032056998	10.33691788	0.001021934	0.001021934	5.1529E-06	0.007348829	0.001450532	0.025298735	0.02498812	5.5075E-06	20.74132156	1.98601E-05	0.00037013	0.000306552	0.001019219
2090 Oct	71.64612579	0.071464673	0.031062722	0.001405327	16.47022629	0.032702681	10.36884594	0.000987995	0.000987995	4.98444E-06	0.007273086	0.001392444	0.025558233	0.023554476	5.34907E-06	19.67928505	1.91279E-05	0.000355137	0.000279747	0.000993512
2090 Nov	71.02703857	0.0724084	0.030984404	0.001399179	16.35422897	0.03280529	10.40207863	0.000977368	0.000977368	4.93189E-06	0.007239826	0.001376143	0.025699345	0.023154503	5.30134E-06	19.37652588	1.89248E-05	0.000351396	0.000272531	0.000985398
2090 Dec	71.0669632	0.072468184	0.031012518	0.00140012	16.36366463	0.03282623	10.41184998	0.000977763	0.000977763	4.93393E-06	0.007243526	0.001376767	0.025725337	0.023162337	5.30388E-06	19.38337135	1.8934E-05	0.000351594	0.000272585	0.000985868
2091 Jan	71.0814209	0.072486229	0.031020066	0.001400322	16.36727524	0.03283032	10.41442108	0.000977854	0.000977854	4.9344E-06	0.007244299	0.001377008	0.025730576	0.023167405	5.30446E-06	19.38746834	1.89362E-05	0.000351665	0.000272658	0.000986039
2091 Feb	71.09276581	0.072495855	0.031023325	0.001400384	16.37018013	0.032831177	10.41544533	0.000977914	0.000977914	4.9347E-06	0.007244614	0.001377223	0.025731016	0.023173239	5.30476E-06	19.3920536	1.89375E-05	0.000351721	0.000272758	0.000986181
2091 Mar	71.19644928	0.072600573	0.031067578	0.001402338	16.39422226	0.032876693	10.43026829	0.000979289	0.000979289	4.94163E-06	0.007254727	0.001379229	0.025766479	0.023208231	5.3122E-06	19.42117882	1.89642E-05	0.000352234	0.000273187	0.000987612
2091 Apr	71.59670258	0.073008187	0.031241544	0.00141017	16.48648262	0.033060208	10.48865986	0.000984767	0.000984767	4.96927E-06	0.007295265	0.001386984	0.025910053	0.023339426	5.3419E-06	19.53087616	1.90703E-05	0.000354213	0.000274741	0.000993162
2091 May	73.36474609	0.073863566	0.031562801	0.00141699	16.9097538	0.032982562	10.57017994	0.000997154	0.000997154	5.03065E-06	0.007361912	0.00142265	0.025772577	0.024340929	5.39866E-06	20.31179619	1.94172E-05	0.000363391	0.000292487	0.001015689
2091 Jun	74.98899841	0.069765806	0.031143866	0.00135134	17.22690392	0.029573089	10.22593117	0.000971698	0.000971698	4.89943E-06	0.007086348	0.001454565	0.023835912	0.026328415	5.23506E-06	21.7206192	1.9754E-05	0.000375906	0.000339739	0.001020538
2091 Jul	77.76608276	0.071725719	0.032198627	0.001411895	17.81322098	0.030889511	10.56771374	0.001020114	0.001020114	5.14283E-06	0.007432223	0.00151307	0.024766812	0.027250618	5.48933E-06	22.48728371	2.07272E-05	0.00039006	0.000350266	0.001061544
2091 Aug	76.663414	0.070564292	0.03125773	0.001406218	17.59373093	0.031808697	10.35137939	0.001027948	0.001027948	5.18057E-06	0.007393199	0.001504372	0.024444887	0.02682524	5.5153E-06	22.19822311	2.00902E-05	0.00038269	0.000339926	0.001057082
2091 Sep	75.30477142	0.070329644	0.030621378	0.001397501	17.33198166	0.032550279	10.24815273	0.001022176	0.001022176	5.15151E-06	0.007312558	0.001479971	0.024501696	0.026076235	5.4846E-06	21.6758728	1.93655E-05	0.000374858	0.000324529	0.001041487
2091 Oct	74.24484253	0.07237348	0.030912349	0.001395707	17.12378693	0.032809891	10.44953251	0.001000734	0.001000734	5.0467E-06	0.00725909	0.001447331	0.025205284	0.025180694	5.3994E-06	20.98810577	1.90454E-05	0.00036867	0.000308086	0.00102474
2091 Nov	73.44922638	0.073994391	0.031018816	0.001393432	16.96985435	0.033056736	10.57312298	0.000986315	0.000986315	4.97612E-06	0.007230721	0.00142398	0.025651949	0.024537746	5.3412E-06	20.49944878	1.88158E-05	0.00036386	0.000296071	0.001013465
2091 Dec	73.49795532	0.074148759	0.031087663	0.001395217	16.98191261	0.033097841	10.59916878	0.000986377	0.000986377	4.97663E-06	0.00723536	0.001424244	0.0257263	0.024527468	5.34337E-06	20.49264526	1.88245E-05	0.000364096	0.000295731	0.001013816
2092 Jan	73.51753998	0.074170627	0.031102194	0.00139555	16.98661232	0.033102237	10.60388374	0.000986453	0.000986453	4.97704E-06	0.007236126	0.001424528	0.02573734	0.024532784	5.34402E-06	20.49683762	1.88275E-05	0.000364199	0.000295806	0.001014001
2092 Feb	73.54143524	0.07419233	0.031111253	0.001395832	16.99244881	0.033107761	10.60682392	0.000986654	0.000986654	4.97806E-06	0.007237476	0.001424977	0.025742199	0.024542918	5.34511E-06	20.50495338	1.88317E-05	0.000364318	0.000295962	0.001014306
2092 Mar	73.66721344	0.074318215	0.031163167	0.001398119	17.021698	0.033161808	10.62448788	0.000988288	0.000988288	4.9863E-06	0.00724938	0.001427414	0.025783723	0.024586298	5.35394E-06	20.54101753	1.88629E-05	0.00036494	0.000296504	0.001016036
2092 Apr	74.01080322	0.07466428	0.031307783	0.001404584	17.10119438	0.033315036	10.67377281	0.000992868	0.000992868	5.0094E-06	0.007282925	0.001434072	0.025902573	0.024701754	5.37873E-06	20.6373806	1.89503E-05	0.000366642	0.000297907	0.001020772
2092 May	76.78388977	0.075890839	0.032968592	0.001434026	17.73295021	0.033115372	11.14314461	0.001001139	0.001001139	5.0533E-06	0.007333282	0.001478449	0.026786087	0.025815165	5.44342E-06	21.47762108	1.94563E-05	0.000382292	0.000317831	0.00104542
2092 Jun	75.3323288	0.066770405	0.032722987	0.001341242	17.171772	0.027744137	10.73540306	0.00092978	0.00092978	4.69501E-06	0.006770671	0.001438326	0.025189633	0.026172651	5.07267E-06	21.49399185	1.95195E-05	0.00038313	0.000343255	0.000992459
2092 Jul	74.25267029	0.063920572	0.032857649	0.001362862	16.75437164	0.027782712	10.73945236	0.000940312	0.000940312	4.74911E-06	0.006851065	0.001420916	0.025782216	0.025319025	5.13846E-06	20.79810143	1.98799E-05	0.000379462	0.000327318	0.000977863
2092 Aug	76.43746948	0.065813959	0.033591237	0.001407158	17.26205635	0.029090224	11.01285839	0.00097654	0.00097654	4.93115E-06	0.007081743	0.001467788	0.02648871	0.026073346	5.32794E-06	21.44070816	2.03526E-05	0.000389877	0.000335427	0.001011082
2092 Sep	76.33181763	0.066625848	0.033522379	0.00141384	17.26778984	0.029763801	11.06084251	0.000980752	0.000980752	4.95258E-06	0.007105793	0.001466123	0.026749318	0.025870511	5.35232E-06	21.32489586	2.01483E-05	0.000388601	0.000329537	0.001011785
2092 Oct	76.41819	0.06830845	0.034168977	0.001427317	17.3010273	0.03016513	11.33955193	0.000974477	0.000974477	4.92363E-06	0.007116641	0.001458897	0.027585169	0.025525955	5.34324E-06	21.06727409	2.00892E-05	0.000388802	0.000322013	0.001009293
2092 Nov	76.44799805	0.068791375	0.034300297	0.001430669	17.31261826	0.03029326	11.40271664	0.000973581	0.000973581	4.91968E-06	0.007124775	0.001457578	0.027774446	0.025449401	5.34361E-06	21.01244164	2.00801E-05	0.000388824	0.000320201	0.001009239
2092 Dec	76.4821701	0.06883774	0.034311369	0.001431318	17.32069206	0.03031262	11.40721512	0.000974099	0.000974099	4.92229E-06	0.007128841	0.001458262	0.027785189	0.025460839	5.34633E-06	21.02228546	2.00894E-05	0.000388984	0.000320324	0.001009764
2093 Jan	76.48815155	0.068848334	0.034311302	0.00143135	17.32235718	0.030315135	11.40745735	0.000974162	0.000974162	4.9226E-06	0.007129327	0.001458389	0.027784543	0.025464067	5.34661E-06	21.02497101	2.00903E-05	0.000389008	0.000320372	0.001009869
2093 Feb	76.50739288	0.06886553	0.034318171	0.001431596	17.32697487	0.030320289	11.40972137	0.000974351	0.000974351	4.92355E-06	0.007130619	0.00145876	0.027788486	0.025472105	5.34762E-06	21.03145027	2.00941E-05	0.000389104	0.000320493	0.001010123
2093 Mar	76.6968689	0.069036022	0.034402203	0.00143508	17.37003136	0.030394031	11.43764877	0.000976734	0.000976734	4.93559E-06	0.007148005	0.001462374	0.027855644	0.025536086	5.36068E-06	21.08419037	2.01432E-05	0.000390066	0.000321308	0.001012624
2093 Apr	77.07905579	0.06938	0.034573082	0.001442195	17.45667076	0.030544713	11.49445534	0.000981584	0.000981584	4.9601E-06	0.007183468	0.001469663	0.027993498	0.025663849	5.38729E-06	21.18963051	2.02432E-05	0.000392009	0.000322922	0.00101767
2093 May	78.70391083	0.070275344	0.034783743	0.001446007	17.85419273	0.03046399	11.54526806	0.000992727	0.000992727	5.01503E-06	0.007242572	0.001503034	0.027767831	0.02662831	5.43579E-06	21.9426384	2.05454E-05	0.000400254	0.000340089	0.00103921
2093 Jun	78.40938568	0.066280991	0.034014434	0.001378282	17.726717	0.027514394	11.15751266	0.000956728	0.000956728	4.83199E-06	0.00694064	0.001496178	0.02612292	0.0274323	5.2277E-06	22.4432354	2.05232E-05	0.000401998	0.000365042	0.001022817
2093 Jul	79.71800995	0.066564918	0.034500543	0.001418949	17.96260071	0.028494023	11.32601833	0.000990968	0.000990968	5.00397E-06	0.007162545	0.001529434	0.026705064	0.027798191	5.40607E-06	22.74446487	2.10901E-05	0.00040838	0.000367319	0.00104651
2093 Aug	81.11945343	0.067545749	0.034842148	0.001451521	18.28867912	0.029644003	11.47678852	0.001020952	0.001020952	5.15419E-06	0.007330239	0.001564898	0.02710261	0.02831433	5.55872E-06	23.17840958	2.13427E-05	0.000414258	0.000372037	0.001072685
2093 Sep	80.33092499	0.068827495	0.034081165	0.001442576	18.15578079	0.030240174	11.33363724	0.001021874	0.001021874	5.15769E-06	0.007364178	0.001552993	0.026808422	0.02796804	5.55319E-06	22.95667267	2.11101E-05	0.000408541	0.000364047	0.001070525
2093 Oct	76.95767975	0.071616367	0.032856937	0.001405879	17.47329712	0.030778112	11.20027542	0.000984003	0.000984003	4.96882E-06	0.007240855	0.001479117	0.026784396	0.026141273	5.36823E-06	21.58320045	2.01768E-05	0.000388398	0.000330801	0.001033651
2093 Nov	76.18299866	0.073377624	0.032712899	0.001403172	17.32933426	0.031238476	11.26972866	0.000974799	0.000974799	4.92373E-06	0.00724119	0.001459274	0.027094224	0.025555072	5.3307E-06	21.15452385	1.99422E-05	0.000383308	0.000319017	0.001025685
2093 Dec	76.2219696	0.073441915	0.032729462	0.00140399	17.33859825	0.031263195	11.27675533	0.000975338	0.000975338	4.92646E-06	0.007245862	0.001459992	0.027112214	0.025565492	5.3337E-06	21.1637764	1.99523E-05	0.000383489	0.000319102	0.00102626
2094 Jan	76.23989105	0.073463649	0.032737851	0.00140425	17.34294891	0.031269085	11.27981091	0.000975481	0.000975481	4.92719E-06	0.007247025	0.001460305	0.027118651	0.025571743	5.33455E-06	21.16887474	1.99555E-05	0.000383577	0.000319188	0.001026483
2094 Feb	76.25681305	0.073478356	0.032744303	0.00140442	17.34710693	0.031271923	11.2819109	0.000975598	0.000975598	4.92778E-06	0.007247776	0.001460617	0.027121795	0.025579197	5.3352E-06	21.17478371	1.99582E-05	0.000383662	0.000319308	0.00102669
2094 Mar	76.35578918	0.073573172	0.032785606	0.001406159	17.36981583	0.031310532	11.29610348	0.000976821	0.000976821	4.93396E-06	0.007256789	0.001462515	0.02715474	0.025613625	5.34186E-06	21.20315742	1.99832E-05	0.000384158	0.000319753	0.001028021
2094 Apr	76.61605072	0.073823623	0.032896671	0.001410904	17.42913055	0.031416118	11.33434772	0.000980126	0.000980126	4.95065E-06	0.007281297	0.001467501	0.027246002	0.025701631	5.35992E-06	21.27593422	2.00508E-05	0.000385467	0.00032086	0.001031524
2094 May	78.61528778	0.074133538	0.03370459	0.001412994	17.8996582	0.03076097	11.53736782	0.000979589	0.000979589	4.94848E-06	0.007247561	0.001501481	0.02732054	0.026804375	5.36195E-06	22.099823	2.03092E-05	0.000396872	0.000342539	0.001048968
2094 Jun	80.73059845	0.072542675	0.033763077	0.001387484	18.36816978	0.029030738	11.41880894	0.000977698	0.000977698	4.93662E-06	0.007164658	0.001544284	0.026259972	0.028527269	5.33029E-06	23.37352753	2.07465E-05	0.00040994	0.000378953	0.001068089

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2094 Jul	83.78538513	0.074746676	0.034829088	0.001449901	19.03055763	0.030521566	11.78876019	0.001029075	0.001029075	5.1948E-06	0.007515493	0.001610289	0.027191801	0.029610638	5.59908E-06	24.26378632	2.16784E-05	0.000424958	0.000391771	0.001114853
2094 Aug	87.76570129	0.078160726	0.036342189	0.001523364	19.93954277	0.032336343	12.32207775	0.001085168	0.001085168	5.47731E-06	0.007896306	0.001691638	0.028448142	0.031030474	5.89827E-06	25.43360329	2.26442E-05	0.000444433	0.00040936	0.001172137
2094 Sep	86.34989166	0.079319865	0.035099369	0.00150404	19.67383766	0.032909505	12.03480053	0.001083514	0.001083514	5.46696E-06	0.007917966	0.001670103	0.027800059	0.030497253	5.87094E-06	25.07245255	2.23047E-05	0.000435006	0.000398299	0.001165241
2094 Oct	83.1495285	0.08005435	0.033340048	0.001459457	19.00669861	0.033050355	11.62160015	0.001057309	0.001057309	5.33388E-06	0.007806221	0.001609987	0.026941596	0.029146723	5.72107E-06	24.05634117	2.15366E-05	0.000416225	0.000374778	0.001134185
2094 Nov	80.98125458	0.081354208	0.032777626	0.001440179	18.5433197	0.033320729	11.59679508	0.001031935	0.001031935	5.20801E-06	0.007714625	0.001560931	0.027156901	0.027885729	5.60335E-06	23.0963707	2.09551E-05	0.000403879	0.000352047	0.001107655
2094 Dec	80.90612793	0.081469931	0.032808557	0.001440413	18.52638626	0.033346329	11.61680889	0.001030454	0.001030454	5.20084E-06	0.007710426	0.001558555	0.027229657	0.027813509	5.59805E-06	23.04084587	2.09301E-05	0.000403479	0.000350692	0.001106307
2095 Jan	80.93680573	0.081500985	0.032829858	0.001440959	18.53335953	0.033354506	11.62420177	0.001030625	0.001030625	5.20174E-06	0.007711962	0.00155902	0.0272478	0.027821464	5.59934E-06	23.04718208	2.09355E-05	0.000403643	0.000350797	0.001106606
2095 Feb	80.9618988	0.081521682	0.032842927	0.001441278	18.5392971	0.033358656	11.62849903	0.00103077	0.00103077	5.20249E-06	0.00771298	0.001559448	0.02725647	0.027830854	5.60026E-06	23.05456543	2.09395E-05	0.000403774	0.000350944	0.001106879
2095 Mar	81.02909851	0.081587851	0.032869793	0.001442386	18.5548687	0.033383641	11.63790894	0.001031562	0.001031562	5.20649E-06	0.007718822	0.001560734	0.027277337	0.027855059	5.60457E-06	23.07444572	2.09558E-05	0.00040411	0.000351266	0.001107783
2095 Apr	81.37718964	0.081937753	0.033010293	0.001448528	18.63470268	0.033525676	11.68761635	0.001035964	0.001035964	5.2287E-06	0.007751708	0.00156744	0.027393058	0.027975529	5.62847E-06	23.17415047	2.10452E-05	0.000405845	0.000352795	0.001112539
2095 May	82.5171814	0.08136113	0.032919932	0.001430596	18.9219265	0.032660794	11.58386898	0.001033934	0.001033934	5.21676E-06	0.007688389	0.001591685	0.026642112	0.0289861	5.60186E-06	23.92992401	2.11574E-05	0.000412284	0.000373826	0.001124543
2095 Jun	84.72596741	0.080393121	0.033368316	0.001423806	19.40966225	0.031521235	11.61135387	0.001038603	0.001038603	5.23899E-06	0.007661942	0.001634804	0.026146935	0.030468071	5.61496E-06	25.03512573	2.16164E-05	0.000425529	0.000403765	0.001145315
2095 Jul	88.22305298	0.083215952	0.034577362	0.001491554	20.19526482	0.033269528	12.0493412	0.001093789	0.001093789	5.51642E-06	0.008029884	0.001710339	0.027175888	0.031745762	5.90465E-06	26.07990646	2.25313E-05	0.000442175	0.000419154	0.001199582
2095 Aug	86.1530838	0.080818601	0.033303086	0.001473241	19.74137497	0.033794001	11.68292999	0.001092963	0.001092963	5.51022E-06	0.007922274	0.00168579	0.026482064	0.031008428	5.88142E-06	25.50973701	2.17541E-05	0.00042959	0.000404938	0.001184887
2095 Sep	85.21279144	0.080485433	0.032646019	0.001467818	19.55943108	0.034433998	11.53483868	0.001095056	0.001095056	5.51983E-06	0.007897824	0.001672265	0.02634096	0.030550152	5.88407E-06	25.20676422	2.12971E-05	0.000423997	0.000394845	0.001176694
2095 Oct	85.2457962	0.081317216	0.032939006	0.001475211	19.56436729	0.034662534	11.67656994	0.001092929	0.001092929	5.51045E-06	0.007914017	0.001668602	0.026788862	0.030355781	5.88496E-06	25.06321716	2.1297E-05	0.000424138	0.000390535	0.001175425
2095 Nov	84.26857758	0.082238309	0.032858498	0.001470024	19.34756851	0.034830347	11.74015522	0.001079666	0.001079666	5.4453E-06	0.007879371	0.001643776	0.027125712	0.029675841	5.82924E-06	24.54436493	2.10612E-05	0.000418733	0.000378091	0.001161949
2095 Dec	84.19816589	0.082429186	0.032888111	0.001470614	19.33178329	0.034877423	11.76344395	0.001078429	0.001078429	5.43936E-06	0.007879499	0.001641414	0.027209954	0.029598007	5.82534E-06	24.4858799	2.10435E-05	0.00041833	0.000376553	0.0011608
2096 Jan	84.22130585	0.082456417	0.032900564	0.001470961	19.33727074	0.034884267	11.76802731	0.001078581	0.001078581	5.44015E-06	0.007880826	0.001641794	0.02722018	0.029605391	5.82634E-06	24.49185753	2.10475E-05	0.000418447	0.000376655	0.001161063
2096 Feb	84.26506805	0.082497552	0.032915451	0.001471532	19.34776115	0.034897305	11.77318859	0.001079033	0.001079033	5.44242E-06	0.007883946	0.001642646	0.027229326	0.029623535	5.82873E-06	24.50654793	2.10564E-05	0.000418663	0.000376921	0.001161654
2096 Mar	84.33950043	0.08256951	0.032943275	0.001472727	19.36509132	0.034925383	11.7830534	0.001079928	0.001079928	5.44693E-06	0.007890386	0.001644096	0.027250614	0.029651213	5.83353E-06	24.52927589	2.10739E-05	0.000419031	0.000377292	0.001162674
2096 Apr	84.67948151	0.08290185	0.033075377	0.001478605	19.44329071	0.035064638	11.83025455	0.001084248	0.001084248	5.46872E-06	0.007921901	0.001650723	0.027358925	0.029771589	5.85686E-06	24.62876129	2.11582E-05	0.00042072	0.000378835	0.001167358
2096 May	87.1322937	0.083843775	0.035048738	0.001513384	19.95702934	0.034889016	12.45398521	0.001086114	0.001086114	5.48238E-06	0.007944509	0.001683975	0.028835703	0.03047855	5.90585E-06	25.14456367	2.15945E-05	0.000435548	0.000391359	0.001183035
2096 Jun	79.61862183	0.069403298	0.032860991	0.001397354	17.81678772	0.02943708	11.42541981	0.0009967716	0.0009967716	5.03312E-06	0.007310955	0.001532439	0.027001787	0.027646476	5.43782E-06	22.69130325	2.11533E-05	0.000406979	0.000360622	0.001056258
2096 Jul	80.35106659	0.068533882	0.033564035	0.001440022	17.83769989	0.030009635	11.65161896	0.001024039	0.001024039	5.17181E-06	0.007516256	0.001548865	0.027990602	0.027534192	5.59342E-06	22.6048069	2.18561E-05	0.000412335	0.000355553	0.001065222
2096 Aug	83.29698944	0.071083523	0.034601264	0.001496646	18.50802803	0.031543352	12.03989506	0.001069002	0.001069002	5.39808E-06	0.00781663	0.001609869	0.028969277	0.028549654	5.83151E-06	23.46055031	2.25535E-05	0.0004268	0.000367211	0.001107995
2096 Sep	81.2775116	0.072118498	0.033176158	0.001468021	18.13207626	0.03208077	11.70267773	0.001058474	0.001058474	5.34324E-06	0.007769769	0.001575622	0.028224275	0.027756328	5.75877E-06	22.89971161	2.19246E-05	0.000413963	0.000351978	0.00109285
2096 Oct	78.01148987	0.074926466	0.031639446	0.001426162	17.49537086	0.032636598	11.45678806	0.001024811	0.001024811	5.17421E-06	0.007659534	0.001507942	0.027805114	0.026153395	5.58377E-06	21.7070929	2.09954E-05	0.000393841	0.000322705	0.001060965
2096 Nov	77.78211212	0.075975075	0.031597506	0.001426659	17.46036339	0.032928471	11.50836086	0.001022101	0.001022101	5.16115E-06	0.007673	0.0015013	0.027988052	0.025928119	5.57472E-06	21.5484314	2.091E-05	0.000392048	0.000317758	0.001059351
2096 Dec	77.79230499	0.076001935	0.031597991	0.001426868	17.4630394	0.03293895	11.5094347	0.001022314	0.001022314	5.16221E-06	0.007674883	0.001501522	0.027990552	0.025931315	5.57578E-06	21.55151367	2.0913E-05	0.000392085	0.000317775	0.001059562
2097 Jan	77.80957031	0.076018602	0.031612203	0.001427168	17.46683693	0.032942105	11.51454449	0.001022345	0.001022345	5.1624E-06	0.007675348	0.001501749	0.028003324	0.025935	5.57626E-06	21.55433846	2.09155E-05	0.000392182	0.000317825	0.001059693
2097 Feb	77.82723236	0.076030359	0.031626079	0.001427424	17.47073746	0.032943025	11.51923466	0.001022361	0.001022361	5.16251E-06	0.007675529	0.001501991	0.028014388	0.025939856	5.57663E-06	21.55796432	2.09177E-05	0.000392283	0.000317904	0.001059822
2097 Mar	77.8903656	0.076090589	0.031652506	0.001428523	17.48501396	0.032967322	11.52874851	0.001023122	0.001023122	5.16636E-06	0.007681218	0.00150319	0.028036812	0.025961364	5.58083E-06	21.57568359	2.09336E-05	0.000392603	0.00031818	0.001060657
2097 Apr	78.29594421	0.076486483	0.031816825	0.001435921	17.57616425	0.033137973	11.58855915	0.001028428	0.001028428	5.19315E-06	0.00772101	0.001511018	0.028181689	0.026097151	5.60976E-06	21.68846321	2.10422E-05	0.000394647	0.000319852	0.001066179
2097 May	79.82359314	0.077288896	0.032007463	0.001441605	17.9523983	0.033131409	11.62043667	0.001041205	0.001041205	5.25617E-06	0.007789047	0.001543224	0.027948065	0.027001997	5.66562E-06	22.39883614	2.13436E-05	0.000402317	0.000335702	0.001087163
2097 Jun	80.28376007	0.07372196	0.031547327	0.001392714	18.03457642	0.03073455	11.26721287	0.001021035	0.001021035	5.15203E-06	0.007563967	0.001554323	0.026396364	0.028111862	5.53463E-06	23.16377258	2.14247E-05	0.000407314	0.000364046	0.001083292
2097 Jul	82.89123535	0.075439334	0.03244742	0.001449989	18.58330345	0.032145143	11.59621239	0.001068513	0.001068513	5.39068E-06	0.007884011	0.001612355	0.027274178	0.02900021	5.78351E-06	23.89419937	2.22532E-05	0.000420061	0.000373773	0.00112456
2097 Aug	84.30767822	0.076506518	0.032769792	0.001482438	18.91374969	0.033318054	11.74709892	0.001098754	0.001098754	5.54216E-06	0.008055515	0.001647939	0.027675852	0.029518696	5.93726E-06	24.33416176	2.25074E-05	0.000426033	0.000378439	0.001150862
2097 Sep	84.85691071	0.077633537	0.032750662	0.001494778	19.0608902	0.033981524	11.78537941	0.001112494	0.001112494	5.61068E-06	0.00815177	0.001661348	0.027795715	0.029700307	6.00434E-06	24.51559448	2.26038E-05	0.000428058	0.000379162	0.001162287
2097 Oct	83.05237579	0.078277305	0.031534843	0.001466418	18.70898819	0.034116294	11.4645586	0.001100449	0.001100449	5.5484E-06	0.008104235	0.001629925	0.027021183	0.029047443	5.92526E-06	24.03616333	2.21723E-05	0.000416935	0.000367711	0.001147767
2097 Nov	82.00255585	0.078483433	0.030865664	0.001449668	18.50034332	0.034131777	11.28307724	0.001092588	0.001092588	5.50798E-06	0.008067346	0.001611357	0.026584078	0.028669177	5.87568E-06	23.75416183	2.19177E-05	0.000410613	0.000361297	0.001138571
2097 Dec	81.80849457	0.078489609	0.030749321	0.001446525	18.46102333	0.034122679	11.25055504	0.001090972	0.001090972	5.4997E-06	0.008058765	0.001607868	0.026505977	0.028599489	5.86583E-06	23.70139885	2.18699E-05	0.000409472	0.000360158	0.001136727
2098 Jan	81.82809448	0.07851439	0.030759035	0.001446782	18.46577263	0.034128301	11.25433064	0.001091085	0.001091085	5.50029E-06	0.008059774	0.001608192	0.026513914	0.028606147	5.86658E-06	23.7067852	2.18728E-05	0.00040957	0.000360252	0.001136954
2098 Feb	81.85351563	0.078534864	0.03077155	0.001447064	18.47179604	0.034131613	11.25857544	0.001091212	0.001091212	5.50094E-06	0.008060634	0.001608625	0.026522011	0.028616112	5.8674E-06	23.71458626	2.18765E-05	0.000409704	0.000360413	0.001137228
2098 Mar	81.89943695	0.078577809	0.030788342	0.001447768	18.48241997	0.034147564	11.26458645	0.001091745	0.001091745	5.50363E-06	0.008064477	0.001609517	0.026534673	0.028633527	5.87027E-06	23.72881508	2.18873E-05	0.000409933	0.000360653	0.001137849
2098 Apr	82.26833344	0.078909457	0.030892668	0.001450936	18.57445717	0.034214713	11.29934311	0.001094674	0.001094674	5.5183E-06	0.008082889	0.001616698	0.026567711	0.028810399	5.88519E-06	23.86981392	2.19459E-05	0.000411732	0.000363501	0.001142755
2098 May	84.23935699	0.078793876	0.03112714	0.001424956	19.10062027	0.032884009	11.26028252	0.00108483	0.00108483	5.46721E-06	0.007948458	0.001653412	0.025655344	0.030385073	5.81873E-06	25.04433632	2.20075E-05	0.000422539	0.000396378	0.001161148
2098 Jun	82.35897064	0.071549885	0.03145358	0.001341048	18.55407715	0.028430263	11.12034988	0.000999704	0.000999704	5.04251E-06	0.007284155	0.001596573	0.024912251	0.03014284	5.40151E-06	24.63261795	2.1324E-05	0.000419562	0.000408627	0.001099818
2098 Jul	85.68785858	0.073832497	0.032725856	0.001408293	19.2525444	0.029871911	11.57011795	0.001052209	0.001052209	5.30697E-06	0.007656855	0.001665401	0.026083944	0.031262755	5.68172E-06	25.55227661	2.23927E-05	0.00043667	0.000422051	0.001147299
2098 Aug	84.77297211	0.073113695	0.03188974	0.001407464	19.08825302	0.030859416	11.35412312	0.001063518	0.001063518	5.36194E-06	0.00765544	0.001659715	0.02575385	0.03090412	5.72392E-06	25.32399559	2.18755E-05	0.000430159	0.000412591	0.001145743
2098 Sep	80.79091644	0.073436864	0.030205704	0.001366309	18.25963211	0.031434685	10.99777222	0.001031304	0.001031304	5.19991E-06	0.00747548	0.001582048	0.025330225	0.028955365	5.55398E-06	23.86807442	2.06568E-05	0.000407375	0.000377199	0.001101752
2098 Oct	78.45372772	0.07601615	0.02992221	0.0013538	17.7541008	0.032010753	11.14883518	0.001000809	0.001000809	5.0501E-06	0.007402202	0.001523851	0.026113668	0.027334709	5.42588E-06	22.63704872	2.00476E-05	0.000393917	0.000346981	0.001071738
2098 Nov	78.04389954	0.07709869	0.030257171	0.001358514	17.65220642	0.032252241	11.35469532	0.000990434	0.000990434	5.00036E-06	0.007384216	0.001508063	0.026809953	0.026808849	5.39355E-06	22.23262978	1.99103E-05	0.000391807	0.000336842	0.001063035
2098 Dec	78.20148468	0.07722114	0.030418865	0.001362198	17.68222618	0.032286856	11.41396523	0.000990755	0.000990755	5.00242E-06	0.007389817	0.001509859	0.026974475	0.026821904	5.39935E-06	22.24176025	1.99407E-05	0.000392771	0.000336892	0.001063909
2099 Jan	78.22329712	0.077245064	0.030430203	0.001362533	17.68725586	0.032293525	11.41828537	0.000990915	0.000990915	5.00325E-06	0.007391163	0.001510225	0.026984384	0.026828773	5.40038E-06	22.24732208	1.99448E-05	0.000392884	0.000336984	0.00106416
2099 Feb	78.25151062	0.077268183	0.030445278	0.001362932	17.69366455	0.032299276	11.42360306	0.000991099	0.000991099	5.00419E-06	0.007392527	0.001510702	0.026996173	0.026838411	5.40156E-06	22.25493622	1.99499E-05	0.000393034	0.000337128	0.001064462
2099 Mar	78.39044189	0.077403955	0.030499561	0.001365285	17.725214	0.032354176	11.44384193	0.000992797	0.000992797	5.01277E-06	0.007405145	0.001513372	0.027043113	0.0268868	5.41084E-06	22.29490471	1.99843E-05	0.000393732	0.00033775	0.001066334
2099 Apr	79.21347046	0.078161933	0.030752016	0.001373855	17.92655373	0.032543506	11.53117466	0.001000084	0.001000084	5.04938E-06	0.007453542	0.001529331	0.027163098	0.027257133	5.44881E-06	22.59202576	2.01304E-05	0.000397773	0.000343505	0.001077304
2099 May	84.22134399	0.078889355	0.031582464	0.001321183	19.29187012	0.02979275	11.53811646	0.000979426	0.000979426	4.94216E-06	0.007151899	0.001622546	0.025211647	0.031061638	5.30954E-06	25.43904114	2.02039E-05	0.000424097	0.000421416	0.001127353
2099 Jun	83.81006622	0.075512953	0.032090221	0.0013114	19.06421661	0.028295644	11.59815693	0.000960511	0.000960511	4.8491E-06	0.007008971	0.001607091	0.025463618	0.03085674	5.22875E-06	25.1929245	2.03644E-05	0.000425701	0.000422767	0.001106599
2099 Jul	86.33813477	0.077119194	0.032959558	0.001365141	19.5969944	0.02961114	11.92056084	0.001005023	0.001005023	5.0729E-06	0.007305664	0.001663166	0.026303936	0.031733945	5.46266E-06	25.90995216	2.11375E-05	0.000438088	0.000432695	0.001146197
2099 Aug	88.35266113	0.079002872	0.033388745	0.001406965	20.08239555	0.031199401	12.12998581	0.001044266	0.001044266	5.26945E-06	0.007536781	0.001709715	0.026887758	0.03244571	5.66201E-06	26.54234314	2.14561E-05	0.000447194	0.000439152	0.001179683
2099 Sep	84.9894104	0.078024633	0.031505723	0.001369237	19.38149643	0.031630203	11.59699345	0.001028469	0.001028469	5.18759E-06	0.007413229	0.001652708	0.025902584	0.031060409	5.55663E-06	25.52168274	2.05093E-05	0.000427894	0.000414034	0.001147002
2099 Oct	83.06348419	0.079346567	0.031061023	0.001358191	18.94875908	0.032005597	11.60767269	0.001009545	0.001009545	5.0942E-06	0.007374828	0.001609078	0.026252165	0.029848691	5.47329E-06	24.60057831	2.0116E-05	0.000416989	0.000391581	0.001124232
2099 Nov	82.24965668	0.080013104	0.031166892	0.001357779	18.74818611	0.032161571	11.73314381	0.000997486	0.000997486	5.0356E-06	0.007344285	0.001586819	0.026779754	0.029183285	5.42852E-06	24.08525467	1.99354E-05	0.0004128	0.000379326	0.001111342
2099 Dec	82.31750488	0.080083683	0.031219445	0.001359259	18.76199913	0.032185927	11.75356674	0.000997924	0.000997924	5.03794E-06	0.007348784	0.001587784	0.026835453	0.02919401	5.43204E-06	24.09401703	1.99504E-05	0.000413182	0.000379405	0.001111949
2100 Jan	82.33122253	0.080098875	0.031228781	0.001359474	18.76506615	0.03218912	11.75717258	0.000997972	0.000997972	5.0382E-06	0.007349332	0.001587982	0.026844148	0.029197479	5.43249E-06	24.09675407	1.99525E-05	0.000413256	0.000379452	0.001112075
2100 Feb	82.35048676	0.080112778	0.031240957	0.001359728	18.76936531	0.032191135	11.76146507	0.000998035	0.000998035	5.03854E-06	0.007349834	0.001588278	0.026853802	0.02920367	5.43305E-06	24.101511	1.99553E-05	0.000413363	0.00037955	0.001112248
2100 Mar	82.38561249	0.08014527	0.031255309	0.001360258	18.77743149	0.032202445	11.76673794	0.000998395	0.000998395	5.04036E-06	0.00735246	0.001588935	0.026865304	0.029216435	5.43506E-06	24.11189079	1.9963E-05	0.000413542	0.000379727	0.001112697
2100 Apr	83.16112518	0.080752507	0.031795863	0.001375324	18.93765831	0.032415453	11.96582413	0.001003722	0.001003722	5.06835E-06	0.007398137	0.001600897	0.027389016	0.029392507	5.47401E-06	24.25151062	2.01316E-05	0.000417911	0.000381831	0.001119933
2100 May	85.26208496	0.08048296	0.032285672	0.001369832	19.43117142	0.0314501	12.00833607	0.001006944	0.001006944	5.08345E-06	0.00737561	0.001641108	0.026920902	0.030786024	5.48085E-06	25.29313469	2.05257E-05	0.000429887	0.000409733	0.001141037
2100 Jun	82.29929352	0.072165586	0.031718984	0.001301023	18.54882431	0.027667129	11.54966736	0.000949862	0.000949862	4.797E-06	0.006932939	0.001576877	0.025792837	0.029991819	5.18592E-06	24.48524857	2.03305E-05	0.000420863	0.000409264	0.001079567
2100 Jul	81.95600891	0.070555039	0.031953488	0.001323904	18.34028625	0.027921934	11.63175964	0.000962965	0.000962965	4.86396E-06	0.007031227	0.001572887	0.026421057	0.0295106	5.26456E-06	24.09678268	2.06801E-05	0.000420409	0.000399199	0.00107504
2100 Aug	80.50218201	0.069024839	0.031454302	0.001325591	18.02019119	0.028845161	11.55020809	0.00096403	0.00096403	4.86948E-06	0.006951803	0.001552782	0.026615154	0.028689917	5.27167E-06	23.48447227	1.99392E-05	0.000411726	0.000381868	0.001061741
2100 Sep	80.05472565	0.069267012	0.03150145	0.001335804	17.92627144	0.02966141	11.66638088	0.000965409	0.000965409	4.8777E-06	0.006942847	0.00154269	0.027239643	0.028163826	5.29073E-06	23.12318993	1.95666E-05	0.00040924	0.000369741	0.001054884
2100 Oct	80.24981689	0.07041122	0.031792216	0.00134583	17.96483803	0.030020941	11.83314228	0.000966201	0.000966201	4.88301E-06	0.006985163	0.001542596	0.027749067	0.028019933	5.30698E-06	23.02486038	1.96183E-05	0.000410084	0.000365788	0.001056663
2100 Nov	80.53422546	0.070829935	0.032058455	0.001353036	18.02011299	0.030154102	11.94565392	0.00096744	0.00096744	4.89005E-06	0.007005438	0.001545861	0.028067051	0.028027583	5.32098E-06	23.03313637	1.96798E-05	0.000411707	0.000365333	0.001058825
2100 Dec	80.61946869	0.070911862	0.032109812	0.001354689	18.03812408	0.030184919	11.96564579	0.000968191	0.000968191	4.89394E-06	0.007011821	0.00154726	0.028119421	0.028048247	5.3259E-06	23.05006027	1.96994E-05	0.000412169	0.000365561	0.001059743
2101 Jan	80.63605499	0.070931964	0.032114591	0.00135491	18.04216194	0.030191384	11.96760654	0.000968378	0.000968378	4.89487E-06	0.007013218	0.001547586	0.028122945	0.028054945	5.32687E-06	23.05559349	1.97029E-05	0.000412247	0.000365653	0.001059982
2101 Feb	80.65229797	0.07094416	0.032124359	0.001355123	18.04578209	0.030193441	11.97112656	0.000968441	0.000968441	4.89521E-06	0.007013722	0.001547841	0.028130842	0.028060229	5.32738E-06	23.05968094	1.97054E-05	0.000412337	0.000365736	0.001060134
2101 Mar	80.67878723	0.070967324	0.032134581	0.001355518	18.05184746	0.030201925	11.97486496	0.000968725	0.000968725	4.89665E-06	0.007015735	0.001548346	0.028138867	0.028070139	5.32894E-06	23.06773758	1.97112E-05	0.000412471	0.000365874	0.001060478
2101 Apr	80.96126556	0.07121592	0.032245193	0.001360122	18.11548042	0.030304309	12.01590157	0.000972044	0.000972044	4.91342E-06	0.007039644	0.001553771	0.028233068	0.028170636	5.34715E-06	23.15011978	1.97788E-05	0.000413912	0.000367209	0.001064191
2101 May	82.7443924	0.071621098	0.032183275	0.001345644	18.58648109	0.029514475	11.87913418	0.000977645	0.000977645	4.93876E-06	0.007040405	0.001592063	0.027219353	0.029593969	5.35073E-06	24.23640251	2.01019E-05	0.000422973	0.000395245	0.001087805

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2101 Jun	82.34671021	0.068446822	0.032280378	0.001316032	18.39715958	0.027456267	11.76989651	0.000952207	0.000952207	4.81137E-06	0.006861153	0.001577982	0.026749451	0.029727984	5.22166E-06	24.2393055	2.02893E-05	0.000424305	0.000404794	0.001068878
2101 Jul	85.75938416	0.07085003	0.033687856	0.001380547	19.11386108	0.02875055	12.28264523	0.000999157	0.000999157	5.04857E-06	0.007201364	0.001645054	0.02806123	0.030851683	5.47892E-06	25.15901375	2.13077E-05	0.000442268	0.000418821	0.001114005
2101 Aug	88.92657471	0.073466957	0.034791432	0.001436029	19.83099747	0.030191626	12.70605659	0.001043034	0.001043034	5.26957E-06	0.007493416	0.00170975	0.029067105	0.031990934	5.71301E-06	26.10361862	2.20263E-05	0.000457986	0.000432977	0.001158754
2101 Sep	85.99451447	0.073371612	0.032856252	0.001401778	19.26144218	0.030854221	12.14809322	0.001034474	0.001034474	5.22321E-06	0.00742474	0.001663292	0.027909249	0.0308735	5.63766E-06	25.30646896	2.11833E-05	0.000440095	0.00041178	0.001135473
2101 Oct	84.80438995	0.0743329	0.03206718	0.001388091	19.03396034	0.031177679	11.95409489	0.001029871	0.001029871	5.19896E-06	0.007433105	0.001642691	0.027485201	0.030373881	5.6033E-06	24.94754028	2.09531E-05	0.000432383	0.000402128	0.001127788
2101 Nov	82.95586395	0.075315505	0.03133969	0.001369948	18.64253998	0.031413976	11.82818794	0.00101348	0.00101348	5.11687E-06	0.007386319	0.001604639	0.027355475	0.029417478	5.52011E-06	24.22384453	2.05471E-05	0.000421524	0.000384809	0.001108653
2101 Dec	82.76383972	0.075621121	0.031252064	0.001368901	18.60435677	0.031511862	11.82166767	0.00101241	0.00101241	5.11154E-06	0.007391208	0.001600639	0.027366487	0.029299805	5.51496E-06	24.13857079	2.05096E-05	0.000420267	0.00038242	0.001107213
2102 Jan	82.78105164	0.075641155	0.031264558	0.001369162	18.60814285	0.031515483	11.82670593	0.001012437	0.001012437	5.11171E-06	0.007391733	0.00160087	0.027378736	0.029303722	5.5154E-06	24.14162254	2.05119E-05	0.000420362	0.000382472	0.001107356
2102 Feb	82.80870056	0.075662792	0.031278793	0.001369494	18.61445999	0.031519488	11.83184147	0.001012577	0.001012577	5.11244E-06	0.007392747	0.001601332	0.027389463	0.029313771	5.51636E-06	24.14948082	2.05163E-05	0.00042051	0.00038263	0.001107644
2102 Mar	82.8572464	0.075705521	0.031298552	0.001370224	18.62547493	0.031534661	11.83917713	0.001013074	0.001013074	5.11495E-06	0.007396355	0.00160224	0.027405636	0.029331367	5.51914E-06	24.16376495	2.0527E-05	0.000420759	0.000382875	0.001108257
2102 Apr	83.07337189	0.075902857	0.031379554	0.001373743	18.67422485	0.031615548	11.86973858	0.001015687	0.001015687	5.12814E-06	0.007415375	0.00160642	0.027475514	0.029408723	5.53336E-06	24.22740555	2.058E-05	0.000421855	0.000383895	0.001111147
2102 May	84.12171936	0.076858878	0.031773783	0.001390995	18.91007614	0.032012135	12.01865005	0.001028481	0.001028481	5.19273E-06	0.007508681	0.001626705	0.027818777	0.029781502	5.60299E-06	24.53436089	2.08393E-05	0.000427178	0.000388779	0.001125175
2102 Jun	74.24952698	0.061949484	0.028911427	0.001329096	16.07965279	0.028711841	10.8134985	0.000983421	0.000983421	4.96557E-06	0.007274266	0.001443309	0.026734062	0.025070727	5.36056E-06	20.70531654	2.09864E-05	0.000385317	0.000316194	0.000987894
2102 Jul	71.41492462	0.056186721	0.028473873	0.001338163	15.13279247	0.02807394	10.60938835	0.000985922	0.000985922	4.97928E-06	0.007315784	0.001393546	0.027161391	0.02338146	5.38405E-06	19.32444954	2.14255E-05	0.000374566	0.000287594	0.000948357
2102 Aug	72.43730164	0.057114948	0.028544577	0.001363734	15.39212894	0.029269809	10.68381023	0.00101286	0.00101286	5.11378E-06	0.007456141	0.001421441	0.027417168	0.023750164	5.51698E-06	19.66578102	2.15029E-05	0.000378506	0.000289676	0.0009692
2102 Sep	72.05860138	0.058117006	0.027942115	0.001359964	15.37684059	0.029969921	10.53978539	0.001018913	0.001018913	5.14265E-06	0.007485682	0.001419213	0.027080899	0.023641899	5.53457E-06	19.63592339	2.12283E-05	0.000374849	0.000285585	0.000971929
2102 Oct	69.72467041	0.060534071	0.026715595	0.001320376	14.97798347	0.030221891	10.29107666	0.000989737	0.000989737	4.99542E-06	0.007363034	0.00137129	0.026412714	0.022668613	5.37624E-06	18.91317368	2.04208E-05	0.000359683	0.000268555	0.00095069
2102 Nov	69.96588898	0.061001342	0.026886059	0.001325622	15.03099728	0.030364672	10.37203312	0.000991207	0.000991207	5.00333E-06	0.007383445	0.001374518	0.026630225	0.022694426	5.3887E-06	18.93808937	2.04647E-05	0.000360906	0.000268429	0.000953248
2102 Dec	69.99604797	0.061044484	0.026893983	0.001326201	15.03798199	0.030383421	10.37588406	0.000991703	0.000991703	5.00582E-06	0.0073874	0.001375138	0.026639719	0.022704385	5.39129E-06	18.94678307	2.04735E-05	0.000361046	0.000268529	0.000953732
2103 Jan	70.0071106	0.061059967	0.026896097	0.001326323	15.04082203	0.030387927	10.37684822	0.000991829	0.000991829	5.00645E-06	0.007388345	0.001375362	0.026640747	0.022709377	5.39191E-06	18.95092201	2.04756E-05	0.000361095	0.000268599	0.000953905
2103 Feb	70.03460693	0.061084118	0.02690546	0.001326722	15.04712772	0.030396866	10.3802948	0.000992146	0.000992146	5.00804E-06	0.007390592	0.001375901	0.026647817	0.022720115	5.3936E-06	18.95967102	2.04821E-05	0.000361234	0.00026875	0.000954275
2103 Mar	70.08652496	0.061129481	0.026924748	0.001327638	15.05849743	0.030417763	10.38764572	0.000992841	0.000992841	5.01155E-06	0.007395713	0.001376919	0.026665719	0.022737948	5.39736E-06	18.97443771	2.04964E-05	0.0003615	0.000268975	0.00095498
2103 Apr	70.34194183	0.061352309	0.027022496	0.001332439	15.11349964	0.030527681	10.42530632	0.000996436	0.000996436	5.0297E-06	0.00742246	0.001381936	0.026761837	0.02282138	5.4169E-06	19.0439949	2.05706E-05	0.000362817	0.000269969	0.000958459
2103 May	74.08715057	0.063304842	0.028751288	0.001353543	15.99194145	0.030108908	10.97619343	0.001001915	0.001001915	5.05952E-06	0.007439511	0.001444133	0.027537853	0.024556642	5.46654E-06	20.35942459	2.10609E-05	0.000383387	0.000301734	0.000993933
2103 Jun	75.2832489	0.060488671	0.02936836	0.001293229	16.29181862	0.026760384	10.95024776	0.00095123	0.00095123	4.80526E-06	0.00701374	0.001454284	0.026455723	0.025983367	5.20542E-06	21.3054657	2.08775E-05	0.000392964	0.000339491	0.000985553
2103 Jul	75.4571991	0.05929948	0.029711857	0.00132409	16.22313309	0.027444586	11.10304356	0.000971884	0.000971884	4.91011E-06	0.007133342	0.001464659	0.027171185	0.025756983	5.32307E-06	21.11135483	2.11662E-05	0.000394022	0.000332501	0.00099227
2103 Aug	73.44659424	0.056592584	0.028565869	0.001321877	15.81359863	0.028800536	10.79019928	0.000982919	0.000982919	4.96344E-06	0.007031969	0.001453735	0.026552603	0.025070816	5.36136E-06	20.53777313	2.01317E-05	0.000378785	0.000316639	0.000991388
2103 Sep	72.85629272	0.059198339	0.02838574	0.001320785	15.73640442	0.029584626	10.90230846	0.000975468	0.000975468	4.92724E-06	0.007049053	0.001436477	0.026981717	0.024511239	5.33379E-06	20.15887642	1.98154E-05	0.000374319	0.000304207	0.000986099
2103 Oct	71.40222931	0.063540578	0.028085914	0.001308082	15.48631859	0.030387426	11.09037495	0.000949885	0.000949885	4.80146E-06	0.007025812	0.001394479	0.027647017	0.023377959	5.22533E-06	19.33912468	1.9291E-05	0.000364722	0.000281811	0.00096901
2103 Nov	71.15382385	0.064817511	0.028075328	0.001307293	15.44849968	0.030653983	11.16892529	0.000944566	0.000944566	4.7756E-06	0.007031427	0.001385772	0.027898312	0.023114437	5.20546E-06	19.15219307	1.91866E-05	0.00036291	0.000276287	0.000966104
2103 Dec	71.19837189	0.064869143	0.028107012	0.001308214	15.45743084	0.030671272	11.18249226	0.000944852	0.000944852	4.77712E-06	0.007034545	0.001386409	0.027935179	0.023121428	5.20776E-06	19.15802574	1.91963E-05	0.000363159	0.000276333	0.000966517
2104 Jan	71.21537018	0.06488689	0.028117957	0.001308455	15.46115112	0.030674651	11.18694115	0.000944901	0.000944901	4.7774E-06	0.007035142	0.001386653	0.027945817	0.023125896	5.20827E-06	19.16154099	1.91988E-05	0.000363253	0.000276396	0.000966667
2104 Feb	71.23101807	0.06490054	0.028122986	0.001308598	15.46498394	0.030677402	11.18868828	0.000945017	0.000945017	4.77798E-06	0.007035885	0.00138695	0.027948106	0.023133067	5.20889E-06	19.16723824	1.92012E-05	0.000363331	0.000276511	0.000966867
2104 Mar	71.28755951	0.064951897	0.028144415	0.001309558	15.47751427	0.030699736	11.1970787	0.000945723	0.000945723	4.78155E-06	0.00704107	0.001388051	0.027967896	0.023152664	5.21276E-06	19.18335533	1.92156E-05	0.000363617	0.000276761	0.000967632
2104 Apr	71.69788361	0.065325655	0.028305909	0.001317051	15.5667429	0.030875308	11.2612524	0.000951142	0.000951142	4.80895E-06	0.007081374	0.00139604	0.028127532	0.02328662	5.24261E-06	19.29427528	1.93257E-05	0.000365709	0.000278371	0.0009732
2104 May	74.95114899	0.066457942	0.028746413	0.001305857	16.41923332	0.029863819	11.23138046	0.000959731	0.000959731	4.84912E-06	0.007077873	0.001460166	0.027071916	0.02552685	5.26019E-06	21.01600266	1.9782E-05	0.000382634	0.000321626	0.001011514
2104 Jun	75.42049408	0.063163146	0.029102657	0.001260686	16.49104118	0.027051939	11.12196636	0.000922976	0.000922976	4.66449E-06	0.006778067	0.001458347	0.026229883	0.026353518	5.06852E-06	21.54332161	1.98266E-05	0.000389175	0.000346399	0.000995905
2104 Jul	76.58940887	0.06328506	0.029491514	0.001297802	16.69008636	0.027988484	11.27902889	0.000955101	0.000955101	4.82587E-06	0.006982386	0.001489237	0.026782988	0.026673637	5.23611E-06	21.80523491	2.03353E-05	0.000394844	0.000348058	0.001017863
2104 Aug	76.96651459	0.063557424	0.029278528	0.00131522	16.8077774	0.029092172	11.24919128	0.000977404	0.000977404	4.93667E-06	0.007076081	0.001507034	0.026799021	0.026824933	5.34106E-06	21.96606445	2.02327E-05	0.000395099	0.00034684	0.001032374
2104 Sep	75.20871735	0.063984789	0.028379248	0.001299132	16.47994423	0.029763557	11.05257034	0.000967987	0.000967987	4.88869E-06	0.007005242	0.001474622	0.026567671	0.025957938	5.28576E-06	21.35493279	1.95221E-05	0.000384557	0.000329739	0.001014565
2104 Oct	74.22332764	0.067107059	0.028400134	0.001298024	16.27888298	0.030450873	11.29853439	0.000950723	0.000950723	4.80497E-06	0.007010091	0.001443751	0.027435733	0.025005465	5.22321E-06	20.65423203	1.9226E-05	0.000378376	0.000310622	0.00100143
2104 Nov	74.34171295	0.068211421	0.028734444	0.001305521	16.29421425	0.030716438	11.49860668	0.000947247	0.000947247	4.7893E-06	0.00702697	0.001440336	0.028037263	0.024797931	5.22149E-06	20.50174713	1.92243E-05	0.00037907	0.000305897	0.00100036
2104 Dec	74.49445343	0.068311736	0.028875656	0.001308691	16.32112312	0.03074421	11.55597782	0.000947509	0.000947509	4.79105E-06	0.007032021	0.001442144	0.028195927	0.024813015	5.22686E-06	20.51228714	1.92542E-05	0.000380029	0.000306	0.001001192
2105 Jan	74.51134491	0.068326868	0.028888812	0.001308961	16.32452583	0.030746859	11.56136894	0.000947527	0.000947527	4.79118E-06	0.007032457	0.00144236	0.028209675	0.024816286	5.22731E-06	20.51476288	1.92567E-05	0.000380129	0.000306044	0.00100131
2105 Feb	74.53253174	0.068343379	0.028899698	0.001309242	16.32921028	0.030750802	11.56551456	0.000947654	0.000947654	4.79184E-06	0.007033418	0.001442717	0.028218936	0.024823485	5.22815E-06	20.5204258	1.92605E-05	0.000380243	0.000306152	0.001001532
2105 Mar	74.55509949	0.068363786	0.028907929	0.001309578	16.33433914	0.030758452	11.56869316	0.000947904	0.000947904	4.7931E-06	0.007035219	0.001443152	0.028225787	0.024831904	5.22952E-06	20.52728462	1.92656E-05	0.000380357	0.000306268	0.001001831
2105 Apr	74.79031372	0.068579368	0.028998731	0.001313675	16.38598824	0.030854594	11.60496521	0.000950875	0.000950875	4.80813E-06	0.007057239	0.001447705	0.028313745	0.024910808	5.2459E-06	20.59245491	1.9326E-05	0.000381556	0.000307248	0.001004991
2105 May	77.15592957	0.069174632	0.02933489	0.001305316	16.99819946	0.030023953	11.57279587	0.000957109	0.000957109	4.83722E-06	0.007053041	0.001494567	0.027512513	0.026558749	5.25812E-06	21.8522625	1.96954E-05	0.000394012	0.000339347	0.001032586
2105 Jun	79.01573181	0.068360358	0.029767802	0.001293639	17.42654419	0.028685398	11.54926777	0.000955767	0.000955767	4.82917E-06	0.007004801	0.001528549	0.026879124	0.027898651	5.23912E-06	22.84437943	2.01278E-05	0.000405421	0.000367612	0.001048006
2105 Jul	80.12599182	0.068651587	0.029966841	0.001326052	17.65547943	0.029767368	11.64547443	0.00098775	0.00098775	4.98915E-06	0.007182301	0.001561925	0.027166972	0.028320201	5.39965E-06	23.18283844	2.04467E-05	0.000409657	0.000370848	0.001073332
2105 Aug	78.1594162	0.066149555	0.02956192	0.001325147	17.19584274	0.030593362	11.61819649	0.000980509	0.000980509	4.95407E-06	0.007022004	0.001531701	0.027580827	0.027197847	5.37371E-06	22.30473137	1.9462E-05	0.000398432	0.000348692	0.001051867
2105 Sep	76.78751373	0.067527503	0.029983424	0.001331618	16.85441589	0.031468567	12.05369377	0.000956721	0.000956721	4.84004E-06	0.006922581	0.001488402	0.029324656	0.025725741	5.29963E-06	21.21456528	1.87489E-05	0.000392201	0.000319649	0.001022885
2105 Oct	75.79503632	0.07014022	0.030040797	0.00132933	16.62383652	0.031910803	12.29554749	0.000938351	0.000938351	4.75088E-06	0.006922267	0.00145685	0.030189276	0.024783706	5.23226E-06	20.50881195	1.85462E-05	0.000386597	0.000301468	0.001007869
2105 Nov	75.74720001	0.071339332	0.030360587	0.001335116	16.59246826	0.032134783	12.51229668	0.000931884	0.000931884	4.72053E-06	0.006932955	0.001448759	0.030863481	0.024457967	5.21809E-06	20.26292038	1.8535E-05	0.000386559	0.000294785	0.001003919
2105 Dec	75.80299377	0.071389839	0.030409241	0.001336285	16.60235214	0.032149363	12.53332901	0.00093203	0.00093203	4.72142E-06	0.006935556	0.001449427	0.030921871	0.024462812	5.22028E-06	20.26656342	1.85466E-05	0.000386902	0.000294794	0.001004269
2106 Jan	75.8159256	0.071404308	0.030416643	0.001336446	16.60522652	0.032151781	12.5364666	0.000932068	0.000932068	4.72163E-06	0.006936036	0.001449619	0.030929027	0.02446661	5.22065E-06	20.26955795	1.85486E-05	0.000386972	0.00029485	0.001004392
2106 Feb	75.82756805	0.07141383	0.030420501	0.001336517	16.60813904	0.032152511	12.53775024	0.000932122	0.000932122	4.7219E-06	0.006936334	0.001449832	0.030930245	0.024472309	5.22095E-06	20.27402115	1.855E-05	0.00038703	0.000294947	0.001004531
2106 Mar	75.85891724	0.071442939	0.030432163	0.001336994	16.61524963	0.032163769	12.54239082	0.000932469	0.000932469	4.72365E-06	0.006938841	0.001450433	0.030940525	0.024483684	5.22286E-06	20.28331947	1.85569E-05	0.000387189	0.0002951	0.001004945
2106 Apr	76.17402649	0.071739495	0.030558025	0.001342505	16.68440819	0.032296222	12.59417152	0.00093632	0.00093632	4.74316E-06	0.006967461	0.00145646	0.031067589	0.024586117	5.24442E-06	20.36810875	1.86336E-05	0.000388796	0.000296344	0.001009119
2106 May	77.71804047	0.072572872	0.030852163	0.001350754	17.06172943	0.032279767	12.64439011	0.000949227	0.000949227	4.80702E-06	0.007042305	0.001488039	0.030903127	0.025460774	5.30272E-06	21.05422211	1.89753E-05	0.000396673	0.000311659	0.001029614
2106 Jun	76.06692505	0.065032363	0.029991299	0.001290457	16.50095177	0.028467158	11.93449306	0.000920077	0.000920077	4.65702E-06	0.006807587	0.001456647	0.028884999	0.025612896	5.11803E-06	21.02175903	1.95451E-05	0.000394277	0.000327543	0.000991929
2106 Jul	76.55031586	0.063669294	0.030257881	0.001330375	16.46128845	0.029234713	12.03726959	0.000953831	0.000953831	4.82682E-06	0.007031672	0.001475611	0.029548477	0.025517242	5.29629E-06	20.94507027	2.02039E-05	0.000397513	0.000322145	0.001004172
2106 Aug	74.38455963	0.061167229	0.029018832	0.001320356	16.03193474	0.030309418	11.65810966	0.000959119	0.000959119	4.851E-06	0.006915277	0.001455141	0.028836673	0.024742343	5.302E-06	20.34478569	1.91729E-05	0.000382837	0.000305639	0.000994297
2106 Sep	73.33673096	0.062313665	0.029003954	0.001321476	15.82220364	0.031284019	11.87844372	0.000945487	0.000945487	4.78539E-06	0.006831804	0.00142606	0.029851172	0.023743011	5.2572E-06	19.64217567	1.84166E-05	0.000377361	0.000284806	0.000975167
2106 Oct	73.52313232	0.064417697	0.029305093	0.001330015	15.86135292	0.031741068	12.12110996	0.000942349	0.000942349	4.77165E-06	0.006882735	0.001422446	0.030555476	0.023501346	5.25928E-06	19.47722816	1.8458E-05	0.00037802	0.000278758	0.000976237
2106 Nov	73.71343994	0.064623341	0.02939037	0.001333583	15.90195084	0.031828709	12.1590023	0.000944564	0.000944564	4.78294E-06	0.006900683	0.001425905	0.030653818	0.023553723	5.2723E-06	19.52125931	1.85052E-05	0.000379003	0.000279307	0.000978659
2106 Dec	73.73262787	0.064652711	0.029395143	0.001333943	15.90646076	0.031841248	12.1615448	0.000944874	0.000944874	4.7845E-06	0.006903172	0.001426299	0.030659975	0.023560036	5.27392E-06	19.52679634	1.85104E-05	0.00037909	0.000279369	0.000978972
2107 Jan	73.73842621	0.064662114	0.029395735	0.001333991	15.90805149	0.031843562	12.16184807	0.000944938	0.000944938	4.78481E-06	0.006903655	0.001426419	0.030659704	0.023562975	5.27421E-06	19.52923584	1.85114E-05	0.000379114	0.000279412	0.000979069
2107 Feb	73.76083374	0.06468185	0.02940366	0.001334311	15.91317368	0.03185102	12.16494656	0.00094518	0.00094518	4.78604E-06	0.006905355	0.001426853	0.030666219	0.023571528	5.27554E-06	19.53618813	1.85162E-05	0.000379227	0.000279531	0.000979366
2107 Mar	73.82778168	0.064740598	0.029429795	0.001335476	15.92777252	0.031878717	12.17566109	0.000946014	0.000946014	4.79026E-06	0.006911405	0.001428149	0.030692525	0.023593681	5.28017E-06	19.55447578	1.85325E-05	0.00037957	0.000279804	0.000980254
2107 Apr	73.98118591	0.064875156	0.029490635	0.001338225	15.96095943	0.031944271	12.20077515	0.000947966	0.000947966	4.80014E-06	0.006925642	0.001431117	0.030755429	0.02364314	5.29106E-06	19.59542465	1.85708E-05	0.000380358	0.000280396	0.000982291
2107 May	75.28983307	0.065351598	0.029608957	0.00133112	16.3101387	0.031411577	12.1439991	0.000951129	0.000951129	4.81442E-06	0.006927045	0.001457249	0.03016468	0.024610389	5.29285E-06	20.33575249	1.88049E-05	0.000387108	0.000299429	0.000998272
2107 Jun	76.98127747	0.064185694	0.029432351	0.001297	16.7449131	0.029297406	11.78087139	0.000946959	0.000946959	4.78916E-06	0.006862188	0.001491727	0.028356872	0.026353739	5.23165E-06	21.62915611	1.93879E-05	0.000397399	0.000337794	0.001014791
2107 Jul	77.06633759	0.063288286	0.029284451	0.001318322	16.72739983	0.030147882	11.7464056	0.00097081	0.00097081	4.90805E-06	0.00697023	0.001507425	0.028400164	0.026370259	5.34759E-06	21.63092613	1.94903E-05	0.000396273	0.000334915	0.001028136
2107 Aug	78.72476959	0.064358279	0.029821277	0.001356469	17.09244919	0.031397752	11.99748135	0.001002238	0.001002238	5.06626E-06	0.007148621	0.001546972	0.029078603	0.026913447	5.5145E-06	22.08203125	1.97819E-05	0.000403674	0.000339638	0.00105651
2107 Sep	78.53477478	0.066151381	0.029354705	0.001358037	17.10612679	0.032114584	11.90631485	0.001010491	0.001010491	5.1065E-06	0.007238353	0.001546307	0.028872464	0.026811633	5.5464E-06	22.05699158	1.97487E-05	0.00040099	0.000335403	0.001062217
2107 Oct	77.95002747	0.068002857	0.029428948	0.001356471	16.97029877	0.03241808	12.09291267	0.000997559	0.000997559	5.0438E-06	0.007234161	0.001525999	0.029507836	0.026203278	5.4996E-06	21.60374641	1.95997E-05	0.000397726	0.000323592	0.001052449
2107 Nov	77.88796234	0.06885571	0.029628104	0.001359346	16.94316292	0.032563638	12.24179363	0.000992246	0.000992246	5.01861E-06	0.007236467	0.001519623	0.029969636	0.025966922	5.48559E-06	21.42585564	1.95726E-05	0.000397555	0.000318822	0.001049183
2107 Dec	77.93107605	0.068899296	0.029657692	0.001360193	16.95133781	0.032578517	12.25516033	0.000992505	0.000992505	5.02E-06	0.007239311	0.001520243	0.030006085	0.025973782	5.48776E-06	21.4314537	1.95822E-05	0.000397804	0.000318873	0.001049564
2108 Jan	77.94863129	0.068917699	0.029666556	0.001360444	16.95517159	0.032583378	12.25899887	0.000992617	0.000992617	5.02058E-06	0.00724032	0.00152053	0.030015135	0.025979031	5.48852E-06	21.43567848	1.95855E-05	0.000397897	0.000318944	0.001049754
2108 Feb	77.96172333	0.068929002	0.029670771	0.001360563	16.95835686	0.032585651	12.260499	0.000992712	0.000992712	5.02106E-06	0.00724093	0.001520778	0.030017171	0.025984993	5.48903E-06	21.44041443	1.95875E-05	0.000397963	0.00031904	0.00104992
2108 Mar	78.04145813	0.068999521	0.029700456	0.001361893	16.975914	0.032617372	12.27262974	0.000993694	0.000993694	5.02603E-06	0.007248037	0.001522333	0.030045917	0.026012551	5.49444E-06	21.46306038	1.96069E-05	0.000398368	0.00031939	0.001050992
2108 Apr	78.6700058	0.069555357	0.02993669	0.001372589	17.1135788	0.032872848	12.36963177	0.001001548	0.001001548	5.06574E-06	0.007305071	0.001534592	0.030279132	0.026226463	5.53777E-06	21.6391449	1.97619E-05	0.00040157	0.000322073	0.00105945

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2108 May	80.15010071	0.070824221	0.030425029	0.001393494	17.45136642	0.033351641	12.55696487	0.001018361	0.001018361	5.15045E-06	0.007422789	0.001563757	0.03065915	0.026809935	5.62768E-06	22.11293983	2.00998E-05	0.000409023	0.000330319	0.001079472
2108 Jun	75.1530838	0.062629923	0.027676968	0.001323609	16.1511631	0.030542014	11.20140362	0.001000565	0.001000565	5.05347E-06	0.007302257	0.001482268	0.027604286	0.025443016	5.46562E-06	20.97835159	2.04042E-05	0.000386892	0.000316105	0.001018716
2108 Jul	77.04727173	0.063212708	0.028298723	0.001374359	16.46870041	0.031552397	11.43302345	0.001044519	0.001044519	5.27435E-06	0.007624146	0.001525119	0.028420284	0.025969971	5.6955E-06	21.42439651	2.13731E-05	0.000397418	0.000320591	0.001047696
2108 Aug	80.10719299	0.0657515	0.029257255	0.00143335	17.14476585	0.033242162	11.84393978	0.001093522	0.001093522	5.52093E-06	0.007949775	0.001590124	0.029481603	0.027014948	5.95484E-06	22.3061161	2.21107E-05	0.000412439	0.000332101	0.001093322
2108 Sep	79.77777863	0.066706836	0.028804582	0.001430881	17.12524414	0.033757027	11.72647953	0.001098056	0.001098056	5.5425E-06	0.007984749	0.001587066	0.029206637	0.026904447	5.96747E-06	22.26218605	2.19529E-05	0.000409394	0.000328536	0.001095178
2108 Oct	76.2794342	0.069070503	0.027211746	0.001376799	16.46943092	0.033775959	11.3638916	0.001055473	0.001055473	5.32797E-06	0.007805322	0.001513338	0.028359814	0.025379041	5.73976E-06	21.11397934	2.09462E-05	0.00038827	0.000302794	0.001058047
2108 Nov	76.21868134	0.069933362	0.027322531	0.001377862	16.45644569	0.03393472	11.47247982	0.00105095	0.00105095	5.30631E-06	0.007805183	0.001508321	0.02867987	0.025203884	5.72592E-06	20.98536301	2.08902E-05	0.000387834	0.000299132	0.00105607
2108 Dec	76.26409149	0.069981471	0.02734901	0.00137873	16.46544647	0.033952594	11.48461342	0.001051323	0.001051323	5.30826E-06	0.007808723	0.001509042	0.028712457	0.025213165	5.72853E-06	20.9930706	2.09009E-05	0.000388084	0.000299215	0.001056543
2109 Jan	76.27329254	0.069994502	0.027351605	0.001378818	16.46778679	0.033955548	11.48579121	0.001051393	0.001051393	5.30862E-06	0.007809304	0.001509212	0.028714199	0.025217075	5.72891E-06	20.99627304	2.09022E-05	0.000388127	0.000299272	0.001056671
2109 Feb	76.29325104	0.070012376	0.027357958	0.001379062	16.47248077	0.033961106	11.48819447	0.001051593	0.001051593	5.30962E-06	0.007810677	0.001509601	0.028718458	0.025225421	5.72997E-06	21.00300598	2.09063E-05	0.000388227	0.000299396	0.001056937
2109 Mar	76.37810516	0.070090078	0.027387854	0.001380532	16.4910202	0.033997122	11.50060177	0.001052723	0.001052723	5.31532E-06	0.007819012	0.001511278	0.028748503	0.025254468	5.73611E-06	21.02707672	2.09287E-05	0.000388657	0.000299754	0.001058109
2109 Apr	76.78715515	0.070465274	0.027534008	0.001387862	16.5795517	0.034177471	11.56183147	0.001058322	0.001058322	5.34359E-06	0.00786054	0.001519369	0.028900608	0.02539069	5.7666E-06	21.14038658	2.10401E-05	0.000390737	0.000301385	0.001063772
2109 May	78.64597321	0.070876591	0.027838903	0.001374798	17.08242416	0.03327895	11.52312469	0.001057088	0.001057088	5.33564E-06	0.007807632	0.001554733	0.028139973	0.026766546	5.74415E-06	22.18260574	2.12359E-05	0.00040053	0.000329081	0.001083782
2109 Jun	81.07618713	0.070294291	0.028340667	0.001351699	17.69914246	0.031472474	11.45261574	0.001049877	0.001049877	5.29729E-06	0.00769646	0.001598832	0.027063288	0.028638503	5.68713E-06	23.5734539	2.16115E-05	0.000414679	0.000368692	0.001104789
2109 Jul	80.54111481	0.068665773	0.027984956	0.001365656	17.54607582	0.032239329	11.34133816	0.001068135	0.001068135	5.38794E-06	0.007744869	0.001604614	0.02693826	0.028431449	5.77249E-06	23.385849	2.14922E-05	0.000410001	0.000362403	0.001111562
2109 Aug	80.46801758	0.067515254	0.02789126	0.001387905	17.51960945	0.033450946	11.37534523	0.001089324	0.001089324	5.49412E-06	0.007783694	0.001620376	0.027151577	0.028352994	5.88057E-06	23.2998333	2.12007E-05	0.000406936	0.000356926	0.001125462
2109 Sep	79.5708847	0.068986826	0.027778963	0.001382349	17.33193207	0.033863079	11.50079346	0.001074996	0.001074996	5.42406E-06	0.007743255	0.00159511	0.027692184	0.027625678	5.82339E-06	22.77015305	2.08336E-05	0.000401996	0.000342792	0.001111489
2109 Oct	77.29953766	0.072416246	0.027734198	0.001360259	16.81301117	0.034083679	11.86250687	0.001027308	0.001027308	5.19017E-06	0.007605364	0.001526895	0.029015953	0.025849966	5.6265E-06	21.41884804	2.01494E-05	0.000390237	0.000310984	0.001072707
2109 Nov	77.46845245	0.073064856	0.027930187	0.001365114	16.84063339	0.034240659	11.98503113	0.001026391	0.001026391	5.18658E-06	0.007621936	0.001527027	0.02937307	0.025779942	5.63094E-06	21.37065125	2.01769E-05	0.000391234	0.000309081	0.001073285
2109 Dec	77.62623596	0.073161595	0.028061779	0.001368115	16.86703491	0.034268524	12.04335022	0.001026707	0.001026707	5.18861E-06	0.007627518	0.001528981	0.029534053	0.02579782	5.63661E-06	21.38343239	2.02087E-05	0.000392235	0.000309226	0.00107419
2110 Jan	77.64376831	0.07318262	0.028066581	0.001368357	16.87123108	0.034275778	12.04545307	0.001026916	0.001026916	5.18965E-06	0.007629084	0.001529329	0.02953802	0.025804779	5.63771E-06	21.3891983	2.02125E-05	0.000392318	0.00030932	0.001074446
2110 Feb	77.66845703	0.073205374	0.0280746	0.001368691	16.87694359	0.034283806	12.04862976	0.001027183	0.001027183	5.191E-06	0.007630967	0.001529813	0.029544244	0.025814606	5.63914E-06	21.39717293	2.02177E-05	0.000392441	0.000309459	0.001074782
2110 Mar	77.72997284	0.073263071	0.028096337	0.001369719	16.89049911	0.034309387	12.05781364	0.001027964	0.001027964	5.19495E-06	0.007636714	0.001531023	0.029565908	0.025835939	5.64341E-06	21.4147625	2.02331E-05	0.000392751	0.000309727	0.00107563
2110 Apr	77.98056793	0.073499106	0.028186636	0.001374104	16.94506264	0.034419108	12.09648323	0.001031259	0.001031259	5.2116E-06	0.007661165	0.001535958	0.029660236	0.025919741	5.66149E-06	21.48417091	2.0298E-05	0.000394016	0.000310738	0.001079096
2110 May	80.64302826	0.074685186	0.029988274	0.001409344	17.4469738	0.034456402	12.82791042	0.001036062	0.001036062	5.24077E-06	0.007720261	0.001573451	0.031480696	0.026613025	5.73258E-06	21.99910736	2.08035E-05	0.000410405	0.000321948	0.001097283
2110 Jun	80.19721222	0.068202101	0.03009776	0.001339983	17.2329464	0.030094998	12.46569633	0.000983128	0.000983128	4.97407E-06	0.007297402	0.001551233	0.030009611	0.027289677	5.44923E-06	22.35531235	2.09747E-05	0.000415122	0.000349453	0.001060196
2110 Jul	80.34098816	0.067074418	0.030050302	0.001365506	17.18060303	0.03075921	12.44913673	0.001009176	0.001009176	5.10427E-06	0.007451303	0.001564763	0.030222276	0.02722883	5.57919E-06	22.30717468	2.13425E-05	0.000415654	0.000345489	0.001070169
2110 Aug	75.86954498	0.061068792	0.029214157	0.001345362	16.12707329	0.031731397	12.39703178	0.000975818	0.000975818	4.94015E-06	0.006986332	0.001492137	0.030919772	0.024867529	5.43664E-06	20.39966202	1.91057E-05	0.000390587	0.000301861	0.001017432
2110 Sep	74.21796417	0.064084619	0.028992437	0.001332145	15.77772427	0.032424174	12.6536417	0.000946234	0.000946234	4.79537E-06	0.006906762	0.001442865	0.031991795	0.023492305	5.31738E-06	19.40596008	1.84291E-05	0.000381872	0.000275381	0.000989472
2110 Oct	72.81011963	0.068862341	0.028551048	0.001317288	15.50839424	0.033084642	12.82544708	0.000921764	0.000921764	4.675E-06	0.00693522	0.001400168	0.032618254	0.022370528	5.21305E-06	18.60238266	1.81462E-05	0.000373005	0.000253432	0.000972686
2110 Nov	72.64670563	0.069769032	0.028615043	0.00131636	15.46586895	0.033180352	12.92726994	0.000915609	0.000915609	4.64521E-06	0.006934653	0.0013923	0.032934044	0.022139817	5.19121E-06	18.43136787	1.81066E-05	0.000372191	0.000248984	0.000968874
2110 Dec	72.67819977	0.069816023	0.028628228	0.00131696	15.47258949	0.033198036	12.93430233	0.000915974	0.000915974	4.64707E-06	0.006938043	0.001392852	0.032952592	0.022147236	5.1934E-06	18.43789482	1.81146E-05	0.00037235	0.000249041	0.000969291
2111 Jan	72.6937561	0.069833256	0.028634977	0.001317146	15.47609329	0.033201925	12.93733597	0.000916067	0.000916067	4.64756E-06	0.006938889	0.001393112	0.032959174	0.022152523	5.19402E-06	18.44214821	1.81173E-05	0.000372431	0.000249117	0.000969466
2111 Feb	72.70687866	0.069843702	0.028639717	0.001317244	15.47925949	0.033203077	12.93905258	0.000916132	0.000916132	4.64788E-06	0.006939284	0.001393349	0.032961596	0.022158496	5.1944E-06	18.44683075	1.81191E-05	0.000372498	0.000249217	0.000969618
2111 Mar	72.82030487	0.06995181	0.028683839	0.001319223	15.50364971	0.033252455	12.95875359	0.000917514	0.000917514	4.6549E-06	0.006949687	0.001395519	0.03301065	0.022194289	5.20222E-06	18.47647858	1.81465E-05	0.000373079	0.000249638	0.000971123
2111 Apr	73.25146484	0.070365705	0.028853169	0.001326989	15.5956068	0.033448085	13.03511906	0.000922924	0.000922924	4.68234E-06	0.006990622	0.001403783	0.0332045	0.022326481	5.23288E-06	18.58644867	1.82535E-05	0.000375286	0.000251135	0.000976873
2111 May	75.09467316	0.071081325	0.029088253	0.001328387	16.07427788	0.033102386	12.98781872	0.000935385	0.000935385	4.74283E-06	0.007046086	0.001442179	0.032603163	0.023554429	5.27858E-06	19.54114342	1.86367E-05	0.000384659	0.000273988	0.001001131
2111 Jun	77.07709503	0.067820601	0.028827492	0.001275548	16.60728836	0.029754836	12.33744144	0.000926287	0.000926287	4.69031E-06	0.006883394	0.001484237	0.029742366	0.025951765	5.16887E-06	21.30711555	1.93169E-05	0.000397736	0.000328492	0.001016383
2111 Jul	79.59824371	0.069439843	0.029610217	0.001328778	17.11458206	0.031043561	12.66140079	0.000971823	0.000971823	4.91929E-06	0.007202201	0.001539502	0.030631978	0.026794506	5.40844E-06	22.00481796	2.01804E-05	0.000410539	0.000337743	0.001055073
2111 Aug	76.03862762	0.065350689	0.027974322	0.001303037	16.37444115	0.031796869	12.09807682	0.000963942	0.000963942	4.87699E-06	0.006968176	0.001492389	0.029609477	0.025445234	5.34261E-06	20.94900894	1.87556E-05	0.000388968	0.000312599	0.001025624
2111 Sep	75.43728638	0.065638691	0.027876304	0.00130759	16.24822044	0.032603774	12.2063055	0.000961645	0.000961645	4.86685E-06	0.006934434	0.00147766	0.030249957	0.02483651	5.34332E-06	20.53957558	1.82661E-05	0.000386019	0.000299076	0.001014766
2111 Oct	74.55753326	0.068207271	0.02802971	0.00130228	16.01445389	0.032819923	12.52212143	0.000938461	0.000938461	4.75426E-06	0.006915037	0.001445194	0.031291272	0.023905743	5.25784E-06	19.83254051	1.81052E-05	0.000381713	0.000281774	0.000997672
2111 Nov	73.9274826	0.069938496	0.027960122	0.001297488	15.86771011	0.033028394	12.64886284	0.000926274	0.000926274	4.69476E-06	0.006916577	0.001425303	0.031739045	0.02335153	5.20998E-06	19.41979027	1.79992E-05	0.000378182	0.000271253	0.000988393
2111 Dec	73.97350311	0.070044294	0.027987586	0.001298482	15.87656689	0.0330595	12.66600895	0.000926594	0.000926594	4.69648E-06	0.006921893	0.001425883	0.031786982	0.023353336	5.21269E-06	19.42250252	1.80113E-05	0.000378425	0.000271152	0.000988887
2112 Jan	73.99925995	0.070066497	0.028003316	0.001298841	15.88161469	0.033063985	12.67324066	0.000926673	0.000926673	4.69693E-06	0.006922896	0.001426255	0.031805061	0.023359539	5.21354E-06	19.42731667	1.80159E-05	0.000378575	0.000271238	0.000989102
2112 Feb	74.02762604	0.070090584	0.028014196	0.001299183	15.88805199	0.033070803	12.67768574	0.0009269	0.0009269	4.69808E-06	0.00692451	0.001426776	0.031814087	0.023370443	5.21485E-06	19.43603134	1.80211E-05	0.000378722	0.0002714	0.000989445
2112 Mar	74.16239929	0.070217729	0.028064292	0.001301463	15.91729355	0.033128534	12.70008087	0.000928543	0.000928543	4.70641E-06	0.006936694	0.001429375	0.031868916	0.023414504	5.22406E-06	19.47251892	1.80531E-05	0.000379409	0.000271932	0.000991245
2112 Apr	74.54236603	0.070577219	0.028207567	0.001308083	15.99902248	0.033296876	12.76476288	0.000933275	0.000933275	4.73039E-06	0.006971996	0.001436699	0.032030459	0.023535317	5.25066E-06	19.57290268	1.81451E-05	0.000381352	0.000273346	0.000996323
2112 May	77.52748871	0.071406253	0.029220954	0.001317548	16.68736267	0.032581184	13.00768948	0.000942426	0.000942426	4.77637E-06	0.007013813	0.001490002	0.032066513	0.025151763	5.29846E-06	20.80108452	1.87548E-05	0.000398185	0.000304023	0.001026173
2112 Jun	77.1770401	0.063905925	0.029436192	0.001246546	16.43741798	0.027527923	12.58888531	0.000889411	0.000889411	4.50894E-06	0.006609079	0.001469657	0.030379478	0.025982535	5.01173E-06	21.23334122	1.93108E-05	0.000404469	0.000336424	0.000988525
2112 Jul	77.25913239	0.061891057	0.029910171	0.00128236	16.23950386	0.027898312	12.81919765	0.000910638	0.000910638	4.61778E-06	0.006774099	0.001473854	0.03152195	0.0255119	5.14253E-06	20.84575844	1.99425E-05	0.000407262	0.000325618	0.000987622
2112 Aug	78.90171051	0.06332846	0.030301949	0.001317095	16.62086296	0.029178945	13.02277946	0.000941913	0.000941913	4.77476E-06	0.006959431	0.001511351	0.03210238	0.026057743	5.30445E-06	21.32966995	2.02088E-05	0.000414861	0.000330275	0.001014244
2112 Sep	79.18167114	0.064322494	0.030636257	0.001331707	16.66324997	0.029926404	13.29865742	0.000944283	0.000944283	4.7889E-06	0.006986053	0.001512218	0.033041034	0.025794968	5.33719E-06	21.16424179	2.00583E-05	0.000416562	0.000322777	0.001014518
2112 Oct	79.46000671	0.065994918	0.031139832	0.001342425	16.67820168	0.030311354	13.66635513	0.000938112	0.000938112	4.76119E-06	0.007013266	0.001508112	0.034133628	0.025476547	5.33497E-06	20.92638016	2.00858E-05	0.000418499	0.00031547	0.001012966
2112 Nov	79.63450623	0.066428609	0.031273983	0.001346511	16.70769119	0.030438276	13.75329399	0.000938599	0.000938599	4.76429E-06	0.007030659	0.001509768	0.034382075	0.025458552	5.34347E-06	20.9165802	2.01229E-05	0.000419478	0.000314603	0.001014389
2112 Dec	79.66831207	0.066472158	0.031283911	0.001347112	16.71528816	0.030456802	13.75830364	0.000939085	0.000939085	4.76674E-06	0.007034522	0.001510441	0.034394324	0.025469569	5.34608E-06	20.92602348	2.01319E-05	0.000419641	0.000314721	0.001014894
2113 Jan	79.67329407	0.066481888	0.031283889	0.00134714	16.71679688	0.030458996	13.75830746	0.000939142	0.000939142	4.76702E-06	0.007034948	0.001510549	0.034393117	0.025472455	5.34632E-06	20.92842865	2.01326E-05	0.000419659	0.000314765	0.001014986
2113 Feb	79.69438171	0.066499978	0.031291027	0.001347407	16.72161865	0.030464875	13.76116943	0.000939347	0.000939347	4.76805E-06	0.007036385	0.001510953	0.034398753	0.02548085	5.34744E-06	20.93519783	2.01369E-05	0.000419766	0.000314887	0.001015259
2113 Mar	79.91107178	0.066681057	0.031375483	0.001351022	16.76730347	0.030546514	13.79816055	0.000941878	0.000941878	4.7809E-06	0.007055285	0.001515064	0.034490384	0.025551036	5.36182E-06	20.99279404	2.01911E-05	0.000420906	0.000315765	0.001018022
2113 Apr	80.31378937	0.067017242	0.031533241	0.001357802	16.8519268	0.030699771	13.86745167	0.000946611	0.000946611	4.80492E-06	0.007090707	0.0015227	0.034663115	0.025680318	5.38875E-06	21.09897232	2.02925E-05	0.000423026	0.000317369	0.001023154
2113 May	82.04627228	0.067883343	0.031744137	0.001357153	17.31629372	0.030362953	13.8185997	0.000956701	0.000956701	4.85357E-06	0.007131971	0.001558662	0.034042101	0.026862502	5.42275E-06	22.01628876	2.06102E-05	0.000431573	0.000339474	0.001046426
2113 Jun	82.67005157	0.065653123	0.031490132	0.001314262	17.50685692	0.028023375	13.4033289	0.000939407	0.000939407	4.76303E-06	0.006963769	0.001570836	0.032239538	0.028074844	5.29913E-06	22.8771019	2.08644E-05	0.000436522	0.000369553	0.001046965
2113 Jul	83.54330444	0.065575771	0.031568814	0.001346831	17.67380333	0.029150818	13.45181847	0.000973076	0.000973076	4.9312E-06	0.007146023	0.001601821	0.032450311	0.028402129	5.46581E-06	23.13907623	2.1172E-05	0.000439382	0.00037097	0.001071043
2113 Aug	84.13050079	0.065822892	0.031491935	0.001369219	17.82964134	0.030275492	13.45477486	0.000998573	0.000998573	5.05813E-06	0.007260268	0.001625228	0.032508291	0.028652798	5.5883E-06	23.36011887	2.11706E-05	0.000440452	0.000371382	0.001089975
2113 Sep	82.63977051	0.066891693	0.030773982	0.001357165	17.54711533	0.030873355	13.32440662	0.000989949	0.000989949	5.01455E-06	0.007232553	0.001595904	0.032401018	0.027855692	5.54093E-06	22.79374695	2.06834E-05	0.000431335	0.000355606	0.001075614
2113 Oct	80.2638092	0.070569664	0.030436248	0.001339426	16.98195839	0.03148577	13.65586662	0.000951012	0.000951012	4.82415E-06	0.007164488	0.00153028	0.03371831	0.026002562	5.38527E-06	21.39345551	2.00882E-05	0.000418395	0.000320891	0.001041197
2113 Nov	80.06415558	0.072203755	0.030511498	0.001342776	16.92247772	0.031899411	13.84056664	0.000945799	0.000945799	4.79978E-06	0.007194312	0.001520494	0.034324039	0.02561163	5.37465E-06	21.11118698	2.00406E-05	0.000417123	0.000312404	0.001037865
2113 Dec	80.12173462	0.072267666	0.030540923	0.001343818	16.93360329	0.031923462	13.85579205	0.000946297	0.000946297	4.80237E-06	0.007199098	0.001521431	0.034364894	0.025623703	5.37805E-06	21.12131691	2.00543E-05	0.00041744	0.000312508	0.00103849
2114 Jan	80.13778687	0.072286449	0.030546766	0.001344015	16.93728638	0.031928528	13.85855103	0.000946424	0.000946424	4.80302E-06	0.007200161	0.001521718	0.034370691	0.025629463	5.3788E-06	21.1260128	2.00573E-05	0.000417521	0.000312588	0.001038691
2114 Feb	80.15280151	0.072299616	0.030552179	0.001344146	16.94084251	0.03193054	13.86064243	0.000946512	0.000946512	4.80347E-06	0.007200736	0.001521991	0.034374092	0.025635976	5.37932E-06	21.13114548	2.00595E-05	0.000417599	0.000312694	0.001038868
2114 Mar	80.27037048	0.072403528	0.030597195	0.001346052	16.96582222	0.031974971	13.88088799	0.000947842	0.000947842	4.81022E-06	0.007210821	0.00152421	0.034423426	0.025674328	5.3869E-06	21.16261482	2.0088E-05	0.000418212	0.000313176	0.001040374
2114 Apr	80.5725708	0.072668478	0.030719075	0.001351092	17.02882004	0.03208971	13.93646526	0.000951208	0.000951208	4.82735E-06	0.007236737	0.001529835	0.034562524	0.025768058	5.40647E-06	21.23954391	2.01624E-05	0.000419808	0.000314321	0.001044156
2114 May	83.10786438	0.072883271	0.031732965	0.001353178	17.59930992	0.031143915	14.2053442	0.00095021	0.00095021	4.82319E-06	0.007202288	0.001572051	0.034715347	0.027143767	5.40904E-06	22.26414299	2.05753E-05	0.000434785	0.000341677	0.001064899
2114 Jun	84.917099	0.07184989	0.031651609	0.001337155	18.08477783	0.029772688	13.83929157	0.000960885	0.000960885	4.87202E-06	0.007209479	0.001613748	0.033049338	0.028830601	5.42091E-06	23.54321671	2.11388E-05	0.000444754	0.000376397	0.001087922
2114 Jul	87.69355011	0.073657952	0.032494873	0.001393254	18.66112137	0.031247858	14.20737743	0.001008922	0.001008922	5.11366E-06	0.007528621	0.00167582	0.033995934	0.029801723	5.67431E-06	24.33669472	2.19454E-05	0.000458325	0.000387322	0.001131777
2114 Aug	91.21863556	0.076543652	0.033641767	0.001455702	19.43021393	0.032981373	14.727705	0.001058983	0.001058983	5.36619E-06	0.007864203	0.001748943	0.035276882	0.031019794	5.94491E-06	25.34581184	2.27439E-05	0.00047581	0.000401633	0.001182576
2114 Sep	87.27947998	0.07620582	0.031337082	0.001408126	18.72374153	0.033392958	13.87102795	0.00104311	0.00104311	5.28113E-06	0.007736592	0.001684639	0.033304878	0.029672781	5.8136E-06	24.37533188	2.16679E-05	0.000451652	0.000377846	0.001149736
2114 Oct	84.57320404	0.077584773	0.030223336	0.001377964	18.16460228	0.033596609	13.63704586	0.00101782	0.00101782	5.15403E-06	0.007656441	0.001628597	0.032944847	0.028341906	5.68118E-06	23.37226486	2.10701E-05	0.000435856	0.000354274	0.001121044
2114 Nov	83.67481995	0.079005301	0.030509125	0.001375775	17.87648582	0.033789903	14.03400993	0.00099427	0.00099427	5.04053E-06	0.007601398	0.001596506	0.034299135	0.027322108	5.60218E-06	22.57904053	2.08277E-05	0.000432222	0.00033536	0.001100939
2114 Dec	83.76618195	0.079133429	0.030611744	0.001377871	17.88511086	0.03382083	14.09512424	0.000993691	0.000993691	5.03815E-06	0.007604348	0.001596922	0.0344778	0.027298817	5.60397E-06	22.56017685	2.08448E-05	0.000432887	0.000334768	0.001100948
2115 Jan	83.79664612	0.079159647	0.030628424	0.001378299	17.89102554	0.033827644	14.10328197	0.00099383	0.00099383	5.0389E-06	0.007605802	0.00159739	0.034498312	0.027306445	5.60516E-06	22.566185	2.08505E-05	0.000433061	0.000334868	0.001101227
2115 Feb	83.82352448	0.07918226	0.03063833	0.001378598	17.89713287	0.033833385	14.10738945	0.000994033	0.000994033	5.03993E-06	0.007607244	0.001597882	0.034506328	0.027317084	5.60634E-06	22.57465935	2.08553E-05	0.000433201	0.00033503	0.00110155
2115 Mar	83.88815308	0.079242811	0.030661143	0.001379581	17.91126633	0.033857234	14.11758995	0.000994758	0.000994758	5.0436E-06	0.007612689	0.001599117	0.034529906	0.027339622	5.61039E-06	22.59314156	2.08704E-05	0.000433532	0.000335324	0.0011024

Appendix D.2-16: CH6

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2115 Apr	84.30033112	0.079631895	0.030811315	0.001386314	17.99946404	0.034022324	14.18656158	0.000999622	0.000999622	5.06826E-06	0.007649855	0.001606976	0.034697812	0.027474804	5.6378E-06	22.70477486	2.09725E-05	0.000435661	0.000336993	0.001107816
2115 May	85.39565277	0.078909092	0.030702183	0.001364626	18.34844971	0.032867882	13.88804436	0.000998207	0.000998207	5.05762E-06	0.007573856	0.001632228	0.033292484	0.028704718	5.59813E-06	23.627491	2.11122E-05	0.000441247	0.000363235	0.001121272
2115 Jun	88.48080444	0.079616584	0.031397827	0.001378004	19.08766365	0.032407023	13.95012188	0.001021006	0.001021006	5.17005E-06	0.007686422	0.001694768	0.032833643	0.030533537	5.69791E-06	25.04026604	2.18433E-05	0.00045776	0.000396771	0.001159086
2115 Jul	90.54527283	0.080811597	0.031923328	0.001424622	19.53416824	0.033903804	14.20014668	0.001063538	0.001063538	5.38346E-06	0.007933698	0.001747352	0.033454195	0.031305518	5.91736E-06	25.66197586	2.23205E-05	0.00046657	0.000404527	0.001197972
2115 Aug	85.70983124	0.075782038	0.029780304	0.001380017	18.53216743	0.034155481	13.36220551	0.001044005	0.001044005	5.28131E-06	0.007623992	0.001675559	0.031777337	0.029547375	5.7788E-06	24.2844944	2.07053E-05	0.000438483	0.000374285	0.001152179
2115 Sep	85.09882355	0.075432442	0.029751915	0.001385353	18.37014771	0.034817968	13.49624348	0.001041234	0.001041234	5.26915E-06	0.007579695	0.001660883	0.032513943	0.028917767	5.78036E-06	23.84215546	2.02597E-05	0.000435985	0.000360799	0.001139835
2115 Oct	85.29284668	0.076542407	0.030168774	0.001393617	18.35245705	0.035037287	13.81065655	0.001035387	0.001035387	5.24269E-06	0.007600321	0.001656296	0.033471968	0.028620569	5.77647E-06	23.61417961	2.03231E-05	0.000437808	0.000354418	0.001136899
2115 Nov	84.56066895	0.077629372	0.030101314	0.001388721	18.15857697	0.035165619	13.94022369	0.001022785	0.001022785	5.18131E-06	0.007585954	0.001635076	0.0339742	0.028010104	5.7282E-06	23.14841843	2.02002E-05	0.000434141	0.000343135	0.001125284
2115 Dec	84.64207458	0.077785693	0.030183567	0.001390613	18.16692162	0.035202961	13.99278641	0.001022458	0.001022458	5.1801E-06	0.007591266	0.001635482	0.034128044	0.027989456	5.73053E-06	23.13262939	2.02202E-05	0.000434706	0.000342572	0.001125451
2116 Jan	84.66441345	0.077810146	0.030192796	0.001390888	18.1717968	0.035209112	13.99729919	0.001022604	0.001022604	5.18086E-06	0.007592594	0.001635861	0.034138191	0.027996775	5.73149E-06	23.13854218	2.02243E-05	0.000434824	0.000342674	0.001125706
2116 Feb	84.70600891	0.077847697	0.030206209	0.001391409	18.1813755	0.035221577	14.00289154	0.001023015	0.001023015	5.18294E-06	0.007595471	0.001636664	0.034149058	0.028013419	5.73373E-06	23.15200424	2.02325E-05	0.000435033	0.000342914	0.001126255
2116 Mar	84.77627563	0.077911988	0.030230422	0.001392475	18.19682312	0.03524822	14.01376915	0.001023817	0.001023817	5.18699E-06	0.00760132	0.001638023	0.034174066	0.028038263	5.73818E-06	23.17238235	2.02484E-05	0.000435391	0.000343239	0.001127188
2116 Apr	85.1644516	0.078268565	0.030368369	0.001398801	18.28034782	0.035408176	14.07752323	0.001028478	0.001028478	5.2106E-06	0.007635872	0.001645523	0.03432868	0.028167544	5.76428E-06	23.27913857	2.03406E-05	0.000437384	0.000344833	0.001132349
2116 May	87.74776459	0.078668892	0.031602006	0.001410644	18.80623627	0.034677465	14.50230885	0.001029279	0.001029279	5.21694E-06	0.007641211	0.001686036	0.035047039	0.029319569	5.78951E-06	24.13187599	2.08665E-05	0.000453204	0.000367156	0.001151748
2116 Jun	85.14736938	0.070497595	0.030872252	0.001316081	18.11160469	0.029673826	13.73586845	0.000961522	0.000961522	4.87397E-06	0.007126994	0.001626448	0.032625265	0.029262662	5.41243E-06	23.88048172	2.08119E-05	0.00044616	0.000384467	0.001092308
2116 Jul	87.61102295	0.071597949	0.031746816	0.0013721	18.5424118	0.030790852	14.11709213	0.001006787	0.001006787	5.10237E-06	0.007464368	0.001678092	0.033792879	0.029956583	5.65761E-06	24.45792389	2.18443E-05	0.000459912	0.000391361	0.001126457
2116 Aug	90.10394287	0.073752396	0.032449391	0.001417742	19.10166168	0.032237526	14.45407391	0.001045768	0.001045768	5.29852E-06	0.00771535	0.001730974	0.034662515	0.030813865	5.86389E-06	25.19042015	2.23499E-05	0.000472115	0.000400648	0.001163272
2116 Sep	85.99215698	0.074197225	0.030331822	0.001370212	18.33320618	0.03260693	13.73388386	0.001021906	0.001021906	5.17487E-06	0.00758447	0.001657997	0.033079077	0.029212803	5.705E-06	24.01055336	2.13049E-05	0.000447183	0.000372448	0.001126213
2116 Oct	82.77815247	0.077009611	0.02900313	0.001339208	17.67240524	0.033232395	13.53423405	0.000993607	0.000993607	5.03319E-06	0.00753777	0.00159011	0.032903884	0.027490227	5.56179E-06	22.72667313	2.06219E-05	0.000427834	0.000340518	0.001094346
2116 Nov	82.8959198	0.077792481	0.029138561	0.001344215	17.68011475	0.033468034	13.66797733	0.000993178	0.000993178	5.03215E-06	0.007564845	0.001589455	0.033313323	0.027368739	5.56973E-06	22.64128876	2.06543E-05	0.000428498	0.000337387	0.00109495
2116 Dec	82.92745972	0.077821851	0.029160101	0.001344785	17.68503761	0.033477686	13.67995834	0.000993287	0.000993287	5.03279E-06	0.007566633	0.001589864	0.033346742	0.027371684	5.5711E-06	22.64361191	2.06612E-05	0.000428694	0.000337388	0.001095173
2117 Jan	82.94652557	0.07783591	0.029172376	0.001345042	17.6883564	0.033480357	13.68626595	0.000993311	0.000993311	5.03295E-06	0.007567189	0.001590121	0.033363111	0.027375355	5.57164E-06	22.64636993	2.06645E-05	0.000428811	0.000337435	0.001095304
2117 Feb	82.96186829	0.07784535	0.029180387	0.001345194	17.69146729	0.033481255	13.68989563	0.000993345	0.000993345	5.03315E-06	0.007567507	0.001590359	0.033371322	0.027380366	5.57203E-06	22.65018845	2.06667E-05	0.0004289	0.000337517	0.001095436
2117 Mar	83.04675293	0.077924393	0.029209981	0.001346515	17.7097683	0.033513773	13.70357132	0.000994325	0.000994325	5.03811E-06	0.007574915	0.001591984	0.033403769	0.027409272	5.57751E-06	22.67398834	2.06872E-05	0.000429338	0.000337885	0.001096552
2117 Apr	83.53936005	0.078386456	0.029382955	0.001354471	17.81495476	0.033711672	13.78458881	0.001000206	0.001000206	5.06791E-06	0.007619677	0.001601428	0.033600699	0.027572446	5.61049E-06	22.80891228	2.08095E-05	0.000431884	0.000339904	0.001103056
2117 May	84.86183167	0.078594722	0.029468831	0.001350035	18.19095802	0.033235423	13.64162731	0.001008314	0.001008314	5.10612E-06	0.007634523	0.001630823	0.032770127	0.02862934	5.62979E-06	23.62182999	2.10591E-05	0.000438318	0.000360407	0.001121528
2117 Jun	86.09817505	0.076617807	0.029503766	0.001329481	18.51796341	0.031565968	13.31028175	0.001008434	0.001008434	5.10303E-06	0.007564611	0.001658748	0.03128764	0.029980442	5.59673E-06	24.61194992	2.14676E-05	0.000445964	0.000390339	0.001133357
2117 Jul	88.29788971	0.077955619	0.030078534	0.001377126	18.98290253	0.03298264	13.57531834	0.001051642	0.001051642	5.31991E-06	0.007832584	0.001712082	0.031963442	0.030783849	5.82043E-06	25.26537323	2.20609E-05	0.000455981	0.000398787	0.001172132
2117 Aug	88.85873413	0.078276046	0.030017029	0.001397819	19.13578606	0.034036145	13.57954407	0.00107496	0.00107496	5.436E-06	0.007938345	0.001732907	0.032044403	0.031003293	5.93249E-06	25.47097588	2.20483E-05	0.000457274	0.000398886	0.001188599
2117 Sep	88.51773071	0.07917086	0.029607154	0.0013985	19.11133957	0.034585826	13.45359802	0.001081627	0.001081627	5.4682E-06	0.007989636	0.001730041	0.03177515	0.030870011	5.95548E-06	25.40958595	2.19431E-05	0.00045416	0.000394757	0.001190791
2117 Oct	86.20391083	0.080119967	0.028526677	0.001372129	18.65838242	0.034747686	13.14099884	0.001064221	0.001064221	5.37956E-06	0.007932575	0.001685334	0.031127857	0.029859491	5.85379E-06	24.6540432	2.14557E-05	0.000440264	0.000376992	0.001168845
2117 Nov	85.89936829	0.080500752	0.028515851	0.00137048	18.57483864	0.034816135	13.20668793	0.001058831	0.001058831	5.3534E-06	0.007922167	0.001676516	0.031376947	0.029593769	5.83402E-06	24.45017433	2.1386E-05	0.000438775	0.000372036	0.001163776
2117 Dec	85.9322052	0.080561876	0.028542235	0.001371219	18.5791111	0.034835063	13.22436142	0.00105887	0.00105887	5.35374E-06	0.00792486	0.001676811	0.031428449	0.029589392	5.8355E-06	24.44717789	2.13935E-05	0.000438983	0.000371869	0.001163964
2118 Jan	85.9480896	0.080580719	0.0285483	0.001371398	18.58268929	0.034839518	13.22741222	0.00105897	0.00105897	5.35425E-06	0.007925769	0.001677083	0.031434957	0.029594896	5.83614E-06	24.45163536	2.13962E-05	0.000439065	0.000371947	0.001164151
2118 Feb	85.96972656	0.08059866	0.028555792	0.001371606	18.58771515	0.034843322	13.23044491	0.001059119	0.001059119	5.35501E-06	0.007926784	0.001677482	0.031440221	0.029604044	5.837E-06	24.4588871	2.13997E-05	0.000439176	0.000372091	0.001164412
2118 Mar	86.01705933	0.080642164	0.028571341	0.001372286	18.59819984	0.034860022	13.23737621	0.001059647	0.001059647	5.35768E-06	0.007930662	0.001678398	0.031455502	0.02962146	5.8399E-06	24.47312546	2.14105E-05	0.000439417	0.000372327	0.001165043
2118 Apr	86.54582977	0.081111617	0.028711578	0.001375893	18.73273087	0.034931932	13.28249741	0.001063293	0.001063293	5.3759E-06	0.007952036	0.001688674	0.031477902	0.029888624	5.85806E-06	24.68496323	2.14832E-05	0.000441981	0.000376757	0.001172017
2118 May	87.91965485	0.079557285	0.028946139	0.001336994	19.15411568	0.032731168	13.02382374	0.001042911	0.001042911	5.2707E-06	0.00772711	0.001712837	0.029907987	0.031438783	5.72609E-06	25.80580902	2.15172E-05	0.000450266	0.000412597	0.001179597
2118 Jun	86.88054657	0.07330773	0.029376579	0.00127916	18.76284027	0.028988032	12.92987728	0.000983964	0.000983964	4.97678E-06	0.007275267	0.001676635	0.029400481	0.031426661	5.43876E-06	25.61149979	2.13924E-05	0.000451396	0.000425772	0.001134991
2118 Jul	90.44028473	0.075845368	0.030465083	0.00134271	19.50699043	0.030536735	13.40376186	0.001037771	0.001037771	5.2477E-06	0.007650616	0.001751723	0.030563934	0.032700066	5.72495E-06	26.65322685	2.2423E-05	0.000469452	0.000441506	0.001186991
2118 Aug	87.99776459	0.073843077	0.029202467	0.001329764	19.04285812	0.031416584	12.93262768	0.001039635	0.001039635	5.25418E-06	0.007551751	0.001719456	0.029722005	0.03174812	5.70842E-06	25.95901299	2.14817E-05	0.000454325	0.0004225	0.001168436
2118 Sep	84.2869339	0.074556291	0.028504843	0.001306323	18.12488365	0.032038774	13.14028072	0.000996001	0.000996001	5.04036E-06	0.007369958	0.00163208	0.031096868	0.02922502	5.52988E-06	24.03593636	2.04125E-05	0.000435561	0.00037606	0.001113985
2118 Oct	82.92214203	0.077147007	0.02885302	0.001307352	17.6624794	0.032586545	13.78336716	0.000964494	0.000964494	4.88963E-06	0.007338466	0.001584056	0.033326529	0.027582038	5.4343E-06	22.76682854	2.01434E-05	0.000429887	0.000344595	0.001085561
2118 Nov	83.94665527	0.078217514	0.029971134	0.0013292	17.73406982	0.032835633	14.4839983	0.000957222	0.000957222	4.85923E-06	0.007362817	0.001588899	0.035380933	0.02732108	5.45218E-06	22.54751778	2.03514E-05	0.000437722	0.000338219	0.001084707
2118 Dec	84.24468994	0.078346342	0.030201115	0.001334106	17.77383804	0.032871082	14.60809898	0.000957279	0.000957279	4.8605E-06	0.007370962	0.001592422	0.035727903	0.027344698	5.46143E-06	22.56226158	2.04122E-05	0.000439745	0.000338338	0.001086026
2119 Jan	84.26239777	0.078366511	0.030207168	0.001334325	17.77783966	0.032876864	14.61109447	0.000957429	0.000957429	4.86126E-06	0.007372199	0.001592744	0.035734262	0.027351061	5.46231E-06	22.56745529	2.04156E-05	0.000439834	0.000338426	0.001086251
2119 Feb	84.28836823	0.078389898	0.030215481	0.001334624	17.78382874	0.032883711	14.61459637	0.000957664	0.000957664	4.86245E-06	0.00737386	0.001593238	0.035740811	0.027361646	5.4636E-06	22.57597733	2.04206E-05	0.000439966	0.000338583	0.001086586
2119 Mar	84.43836975	0.078529023	0.030268688	0.001336938	17.81576157	0.032940451	14.64004326	0.000959336	0.000959336	4.87094E-06	0.007386651	0.001596076	0.035801936	0.027411532	5.47311E-06	22.61702728	2.04562E-05	0.000440747	0.000339215	0.00108852
2119 Apr	85.95259857	0.079837456	0.03061663	0.001341523	18.2276535	0.032979768	14.71626377	0.00096677	0.00096677	4.90755E-06	0.007416932	0.001625746	0.035632227	0.028288743	5.50519E-06	23.30553818	2.0597E-05	0.000447873	0.000354643	0.001108565
2119 May	90.27322388	0.080068782	0.031222476	0.001281876	19.58304977	0.029844968	14.2657423	0.000947776	0.000947776	4.80488E-06	0.007094258	0.001711123	0.03232814	0.032211121	5.34006E-06	26.24477386	2.06297E-05	0.000469	0.000436698	0.001156369
2119 Jun	89.60163879	0.076716289	0.031356059	0.001278343	19.25957489	0.028744897	14.24656105	0.000940562	0.000940562	4.7698E-06	0.007050251	0.001695187	0.032545388	0.031825799	5.31295E-06	25.88314629	2.09732E-05	0.000469069	0.000433167	0.001137455
2119 Jul	92.41603851	0.078454025	0.032202341	0.001333939	19.81151199	0.029990539	14.61021519	0.000988563	0.000988563	5.01132E-06	0.007397796	0.001755014	0.033538867	0.032772392	5.56676E-06	26.66620064	2.19807E-05	0.000483908	0.000444202	0.001178392
2119 Aug	92.30176544	0.078543812	0.031744171	0.001350038	19.85131073	0.031312622	14.45854378	0.001012358	0.001012358	5.12877E-06	0.007485917	0.001764754	0.033359885	0.032708149	5.67186E-06	26.69000626	2.17089E-05	0.000481354	0.000438567	0.001187835
2119 Sep	89.25883484	0.077807397	0.030676533	0.001329611	19.17450714	0.031864408	14.23563862	0.00099327	0.00099327	5.03327E-06	0.007365003	0.001705881	0.033352468	0.031079754	5.57586E-06	25.47044373	2.0837E-05	0.000464815	0.000408431	0.001151777
2119 Oct	87.51664734	0.07909485	0.030355053	0.001320892	18.71658897	0.032211032	14.40041256	0.000972784	0.000972784	4.93345E-06	0.007337206	0.001663063	0.03417176	0.029796066	5.49722E-06	24.4846859	2.05438E-05	0.000455779	0.000384487	0.001128081
2119 Nov	87.24740601	0.079704888	0.030576924	0.001324177	18.58414268	0.032366529	14.65711689	0.000963905	0.000963905	4.89165E-06	0.007332062	0.001650646	0.035035521	0.029307052	5.47644E-06	24.1014843	2.05112E-05	0.0004552	0.000375018	0.001119881
2119 Dec	87.34633636	0.079769216	0.030642172	0.001325822	18.59894371	0.032388516	14.69341183	0.000964214	0.000964214	4.89348E-06	0.007336746	0.001651975	0.035136182	0.029319193	5.4805E-06	24.11057281	2.05329E-05	0.000455832	0.000375101	0.001120538

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	9.9E-02	9.5E-06	1.0E+00	1.6E+00	2.1E-02	1.8E-04	3.3E+00	1.1E-03	9.4E-03	1.5E-04	1.3E-04	5.1E-05	6.4E-02	1.9E-06	5.7E-05	4.4E-04	1.5E-03	0.0E+00
Operations (2020-2043): Mean	1.3E-01	1.0E-05	1.3E+00	2.3E+00	4.0E-02	2.5E-04	4.5E+00	1.3E-03	1.0E-02	3.2E-04	1.7E-04	6.9E-05	9.3E-02	2.1E-06	6.6E-05	6.3E-04	1.8E-03	0.0E+00
Operations (2020-2043): Max	2.4E-01	1.1E-05	2.1E+00	4.7E+00	1.1E-01	0.000305	7.7E+00	1.8E-03	1.2E-02	9.7E-04	2.4E-04	1.3E-04	1.8E-01	2.3E-06	7.6E-05	1.3E-03	2.1E-03	0.0E+00
Active Closure (2044-2050): Min	9.4E-02	9.8E-06	1.0E+00	1.6E+00	2.1E-02	1.9E-04	3.3E+00	1.1E-03	9.2E-03	1.5E-04	1.6E-04	5.1E-05	6.5E-02	2.0E-06	5.7E-05	4.5E-04	1.7E-03	3.9E-08
Active Closure (2044-2050): Mean	1.1E-01	1.0E-05	1.2E+00	1.8E+00	2.7E-02	2.4E-04	3.9E+00	1.1E-03	1.0E-02	2.0E-04	1.7E-04	5.8E-05	7.6E-02	2.1E-06	6.8E-05	5.0E-04	1.8E-03	5.2E-06
Active Closure (2044-2050): Max	1.3E-01	1.1E-05	1.3E+00	2.2E+00	3.8E-02	2.7E-04	4.5E+00	1.3E-03	1.1E-02	3.0E-04	1.9E-04	6.8E-05	9.0E-02	2.2E-06	7.5E-05	6.2E-04	1.9E-03	7.0E-06
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	9.3E-02	8.6E-06	1.1E+00	1.6E+00	2.2E-02	2.2E-04	3.8E+00	1.1E-03	9.0E-03	1.5E-04	1.5E-04	5.3E-05	6.9E-02	1.9E-06	7.3E-05	4.1E-04	1.4E-03	7.1E-06
Post Closure (2051-2119): Mean	1.4E-01	9.8E-06	2.2E+00	3.2E+00	5.2E-02	5.3E-04	9.3E+00	1.6E-03	1.0E-02	3.8E-04	2.5E-04	1.1E-04	1.4E-01	2.2E-06	3.1E-04	6.7E-04	1.7E-03	1.3E-04
Post Closure (2051-2119): Max	1.7E-01	1.1E-05	3.1E+00	4.3E+00	7.6E-02	8.3E-04	1.4E+01	2.0E-03	1.2E-02	5.6E-04	3.5E-04	1.6E-04	2.0E-01	2.4E-06	5.5E-04	8.9E-04	2.0E-03	2.7E-04
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2119)																		
2020 Jan	0.231537819	1E-05	2.106814146	4.625880241	0.110099182	0.000197525	7.53127861	0.001800204	0.011500637	0.000956	0.00023	0.00013	0.179783434	2E-06	7.50064E-05	0.001300204	0.00182493	0
2020 Feb	0.231574878	1E-05	2.107121944	4.626741886	0.110122859	0.000197549	7.532530785	0.001800403	0.011501261	0.000956	0.00023	0.00013	0.179816172	2E-06	7.50126E-05	0.001300403	0.001824861	0
2020 Mar	0.231626198	1.00014E-05	2.107573271	4.62783289	0.110150501	0.000197589	7.534225941	0.001800755	0.01150316	0.00095613	0.000230031	0.000130018	0.179858148	2.00027E-06	7.50262E-05	0.001300687	0.001825073	0
2020 Apr	0.231980532	1.00162E-05	2.110788584	4.634947777	0.110320807	0.000197889	7.5457654	0.001803484	0.011520398	0.000957548	0.000230372	0.00013021	0.180134475	2.00324E-06	7.51392E-05	0.001302674	0.001827758	0
2020 May	0.235196665	1.01549E-05	2.140050173	4.699215412	0.111850739	0.000200632	7.650382042	0.00182848	0.011680021	0.000970811	0.000233563	0.000132014	0.182632118	2.03099E-06	7.61805E-05	0.001320734	0.001853071	0
2020 Jun	0.209280282	1.00352E-05	1.922580838	4.105354786	0.095738038	0.000183072	6.777826309	0.001682246	0.011152715	0.000826636	0.00023081	0.000116912	0.160023779	2.00705E-06	7.13862E-05	0.001180484	0.001874088	0
2020 Jul	0.203750566	1.0241E-05	1.879811168	3.959857464	0.091266312	0.000181583	6.590500355	0.001662154	0.011213671	0.000786425	0.000233335	0.000113476	0.154580384	2.0482E-06	7.11726E-05	0.001145686	0.00191889	0
2020 Aug	0.208600149	1.05832E-05	1.928093076	4.049921036	0.092956237	0.000189816	6.761295795	0.001706268	0.011551491	0.000800691	0.000237978	0.000116178	0.158182234	2.11664E-06	7.32955E-05	0.00116616	0.001970482	0
2020 Sep	0.199463338	1.04317E-05	1.860990286	3.874268293	0.087204926	0.000208136	6.541539669	0.001647264	0.011376332	0.000747522	0.000223003	0.000110774	0.151583001	2.08633E-06	7.2887E-05	0.001096542	0.001899527	0
2020 Oct	0.18910487	1.02501E-05	1.782266259	3.672660112	0.080438055	0.000231641	6.288756847	0.001577566	0.011220385	0.000685094	0.000205394	0.000104157	0.143921047	2.05001E-06	7.28315E-05	0.001016946	0.001815744	0
2020 Nov	0.186052203	1.01978E-05	1.759129047	3.613244057	0.078435972	0.000238689	6.214567184	0.001557081	0.011175955	0.000666613	0.000200184	0.000102204	0.141663775	2.03956E-06	7.28282E-05	0.000993409	0.001791106	0
2020 Dec	0.185975	1.01968E-05	1.758561373	3.611741066	0.07838317	0.0002389	6.21277523	0.001556578	0.011175253	0.000666123	0.000200046	0.000102154	0.141606897	2.03937E-06	7.28317E-05	0.000992792	0.001790497	0
2021 Jan	0.185979068	1.01968E-05	1.758609295	3.61186862	0.078384608	0.000238944	6.213034153	0.001556595	0.011175541	0.000666073	0.000200028	0.000102149	0.141611829	2.03937E-06	7.28356E-05	0.000992784	0.00179041	0
2021 Feb	0.186017379	1.01979E-05	1.758947492	3.61267972	0.078405045	0.000238975	6.214300156	0.001556861	0.011177001	0.000666171	0.000200053	0.000102163	0.141643077	2.03958E-06	7.2846E-05	0.000992995	0.001790578	0
2021 Mar	0.186086178	1.02011E-05	1.759584785	3.614052296	0.078436375	0.000239053	6.216590881	0.001557406	0.011180674	0.000666397	0.000200117	0.000102196	0.141696587	2.04022E-06	7.28704E-05	0.000993366	0.00179113	0
2021 Apr	0.186204985	1.02073E-05	1.760700583	3.616380215	0.078487776	0.0002392	6.220555305	0.001558383	0.01118755	0.00066681	0.00020024	0.000102259	0.141787693	2.04146E-06	7.29154E-05	0.000994003	0.001792211	0
2021 May	0.188094482	1.0304E-05	1.778355956	3.653410435	0.079316281	0.000241373	6.283160686	0.001573843	0.011294892	0.000673894	0.000202222	0.000103303	0.14323546	2.06079E-06	7.36153E-05	0.001004252	0.001809356	0
2021 Jun	0.175529733	1.02041E-05	1.668084383	3.35935235	0.071945384	0.000221893	5.826531887	0.001502021	0.010962765	0.000608763	0.000205204	9.61648E-05	0.131982997	2.04083E-06	7.04075E-05	0.000945678	0.001835105	0
2021 Jul	0.173677862	1.04345E-05	1.655045867	3.294752359	0.069730572	0.000220836	5.756842613	0.001502689	0.011092299	0.000589155	0.000208597	9.48698E-05	0.129612863	2.08689E-06	7.07118E-05	0.000930458	0.001879452	0
2021 Aug	0.174687982	1.0636E-05	1.669709682	3.307757616	0.06943547	0.000227643	5.811208725	0.001517757	0.011253968	0.00058625	0.000208147	9.54399E-05	0.130254388	2.1272E-06	7.16934E-05	0.000925056	0.001896816	0
2021 Sep	0.166620404	1.04333E-05	1.610133052	3.159674406	0.064659715	0.000244096	5.622423649	0.001462378	0.011045964	0.00054204	0.000193295	9.07754E-05	0.124681585	2.08666E-06	7.11154E-05	0.000863597	0.001818639	0
2021 Oct	0.161928743	1.03399E-05	1.575589299	3.072528839	0.061525155	0.000258885	5.519535542	0.001429723	0.010991513	0.00051281	0.000183516	8.76734E-05	0.121368557	2.06797E-06	7.1396E-05	0.000825147	0.001771278	0
2021 Nov	0.162071452	1.03582E-05	1.577471852	3.075320005	0.061519232	0.000260105	5.526936531	0.001431373	0.011012944	0.000512623	0.000183479	8.77256E-05	0.12148457	2.07163E-06	7.15635E-05	0.000825227	0.001773015	0
2021 Dec	0.162125528	1.03624E-05	1.578043222	3.07635355	0.061534267	0.000260282	5.529012203	0.001431886	0.011017689	0.000512735	0.000183522	8.77526E-05	0.121525928	2.07249E-06	7.15969E-05	0.000825443	0.001773623	0
2022 Jan	0.162136212	1.03628E-05	1.578147054	3.076597691	0.06153914	0.000260316	5.529437542	0.001431959	0.011018262	0.000512739	0.000183519	8.77543E-05	0.121535376	2.07256E-06	7.16019E-05	0.000825485	0.001773631	0
2022 Feb	0.162152201	1.0363E-05	1.578281045	3.076952219	0.06154881	0.000260323	5.529957771	0.001432055	0.011018644	0.000512775	0.000183525	8.77585E-05	0.121548906	2.07259E-06	7.16049E-05	0.000825576	0.001773651	0
2022 Mar	0.162197202	1.03654E-05	1.578707576	3.077834606	0.061567865	0.000260385	5.531479836	0.001432428	0.011021319	0.000512909	0.00018357	8.77804E-05	0.121583492	2.07307E-06	7.16226E-05	0.00082581	0.001774058	0
2022 Apr	0.16302155	1.04178E-05	1.58672452	3.093493462	0.061881911	0.000261702	5.559585571	0.001439695	0.011077114	0.000515511	0.000184499	8.82251E-05	0.12220192	2.08356E-06	7.19853E-05	0.000830011	0.001783026	0
2022 May	0.164909244	1.05383E-05	1.605095148	3.129320383	0.062598929	0.00026473	5.623958111	0.00145636	0.011205291	0.00052148	0.000186634	8.92463E-05	0.12361712	2.10766E-06	7.28183E-05	0.000839623	0.001803654	0
2022 Jun	0.153585389	1.0408E-05	1.503108382	2.86326623	0.056233842	0.000242351	5.197270393	0.001390091	0.01086042	0.000465587	0.00019101	8.28756E-05	0.113395505	2.0816E-06	6.95048E-05	0.00079175	0.001830437	0
2022 Jul	0.13202177	9.86416E-06	1.302272081	2.37719059	0.044590123	0.000205495	4.423255444	0.001241062	0.009980526	0.000366387	0.0001831	7.05695E-05	0.09460526	1.97283E-06	6.2219E-05	0.000674191	0.001765074	0
2022 Aug	0.134319633	1.01555E-05	1.329956412	2.414647579	0.0447555	0.000214706	4.523711205	0.001267914	0.010232257	0.000367303	0.000183883	7.18653E-05	0.096225396	2.0311E-06	6.37824E-05	0.000674449	0.00179613	0
2022 Sep	0.130913705	1.00775E-05	1.310034513	2.36205411	0.042653002	0.000229747	4.474423885	0.001245508	0.010171036	0.000346937	0.000174259	7.00028E-05	0.094325431	2.0155E-06	6.406E-05	0.000643096	0.001748503	0
2022 Oct	0.128342763	9.99207E-06	1.292012572	2.320711613	0.040955719	0.000242225	4.431200027	0.001225349	0.010142068	0.000330761	0.000166559	6.82104E-05	0.092744485	1.99841E-06	6.44704E-05	0.000619693	0.001708042	0
2022 Nov	0.128616512	1.00166E-05	1.29498601	2.325804234	0.041018806	0.000243222	4.441912651	0.001228084	0.010168524	0.000331202	0.000166794	6.83441E-05	0.092949979	2.00331E-06	6.46551E-05	0.000620711	0.001711512	0
2022 Dec	0.128655896	1.00202E-05	1.295422435	2.326542616	0.041026924	0.000243384	4.443503857	0.001228482	0.010172521	0.000331255	0.000166823	6.83629E-05	0.092979848	2.00404E-06	6.46835E-05	0.000620845	0.001712005	0
2023 Jan	0.128667757	1.00204E-05	1.295533299	2.32682085	0.041033003	0.000243417	4.443965912	0.001228556	0.010173029	0.000331268	0.000166819	6.83652E-05	0.09299054	2.00409E-06	6.46882E-05	0.000620896	0.001711993	0
2023 Feb	0.128685459	1.00206E-05	1.295681477	2.327214956	0.041043807	0.000243424	4.444541454	0.001228662	0.01017344	0.000331312	0.000166826	6.83702E-05	0.093005575	2.00412E-06	6.46915E-05	0.000620998	0.001712012	0
2023 Mar	0.128702357	1.00213E-05	1.295835495	2.327561378	0.04105201	0.000243442	4.44510603	0.001228789	0.010174239	0.000331355	0.000166839	6.83768E-05	0.093019016	2.00425E-06	6.4697E-05	0.000621088	0.00171212	0
2023 Apr	0.129070669	1.00496E-05	1.299534321	2.334245205	0.041171096	0.000244131	4.457815647	0.001232286	0.010203047	0.000332303	0.000167311	6.8571E-05	0.093285903	2.00991E-06	6.48804E-05	0.000622871	0.001716952	0
2023 May	0.131786495	1.01587E-05	1.324018717	2.388949633	0.042499263	0.000246204	4.545682907	0.001252985	0.010331043	0.000343879	0.000169937	7.01027E-05	0.095407315	2.03174E-06	6.57182E-05	0.000638306	0.001737083	0
2023 Jun	0.134114549	9.95264E-06	1.330823183	2.439208984	0.045428894	0.000223635	4.550626755	0.001257933	0.010134141	0.000371824	0.000178204	7.18663E-05	0.097123422	1.99053E-06	6.39524E-05	0.000675348	0.001749272	0
2023 Jul	0.129818469	9.97295E-06	1.291467071	2.328957796	0.042599581	0.000214542	4.385203362	0.001234688	0.01004542	0.000347592	0.000179901	6.93104E-05	0.092905171	1.99459E-06	6.27638E-05	0.000652052	0.001766031	0
2023 Aug	0.132243127	1.02481E-05	1.317979932	2.36694169	0.042874139	0.000221881	4.480759144	0.001260767	0.01028956	0.000349814	0.000181269	7.05705E-05	0.094503082	2.04963E-06	6.42216E-05	0.000654372	0.001797761	0
2023 Sep	0.131396621	1.0305E-05	1.319784522	2.358340025	0.042106219	0.000231989	4.495440483	0.001260571	0.010328889	0.000341602	0.000177375	7.03562E-05	0.094329499	2.061E-06	6.48037E-05	0.000641508	0.001787457	0
2023 Oct	0.130349696	1.02837E-05	1.313567519	2.342622519	0.04129371	0.000239776	4.484927177	0.001252798	0.010341678	0.000333667	0.000173489	6.95566E-05	0.093737915	2.05674E-06	6.52274E-05	0.000630338	0.001769196	0
2023 Nov	0.130594909	1.03118E-05	1.31665659	2.347471237	0.041302823	0.000241612	4.497002125	0.001255482	0.010374801	0.000333545	0.00017346	6.96531E-05	0.093937263	2.06235E-06	6.54853E-05	0.000630653	0.001771947	0
2023 Dec	0.130626976	1.0315E-05	1.317028522	2.348082304	0.041307557	0.00024178	4.498392582	0.001255815	0.010378426	0.000333568	0.000173475	6.96675E-05	0.093962133	2.063E-06	6.5512E-05	0.000630739	0.001772336	0
2024 Jan	0.130637959	1.0315E-05	1.317128301	2.348361969	0.041313954	0.000241815	4.498838902	0.001255871	0.010378757	0.000333575	0.000173464	6.96684E-05	0.093972772	2.06299E-06	6.5516E-05	0.000630783	0.001772267	0
2024 Feb	0.130657643	1.0315E-05	1.317288995	2.348812342	0.04132672	0.00024182	4.499475956	0.001255979	0.010379074	0.000333625	0.000173469	6.96733E-05	0.093989842	2.063E-06	6.55189E-05	0.000630899	0.001772257	0
2024 Mar	0.130774826	1.03234E-05	1.318449974	2.350971222	0.041367326	0.00024202	4.503489017	0.001257061	0.010387708	0.000333923	0.000173613	6.97327E-05	0.09407571	2.06468E-06	6.55739E-05	0.000631476	0.001773696	0
2024 Apr	0.130993992	1.03402E-05	1.320647955	2.354939938	0.041438621	0.000242416	4.511023521	0.001259144	0.01040474	0.000334483	0.000173898	6.98479E-05	0.094234236	2.06805E-06	6.56817E-05	0.00063254	0.001776584	0
2024 May	0.13600415	1.04086E-05	1.362168908	2.463322878	0.044479974	0.00024256	4.666082859	0.001290492	0.010530401	0.000361694	0.000177492	7.27781E-05	0.098360859	2.08173E-06	6.65701E-05	0.000663932	0.001792558	0
2024 Jun	0.144621462	1.00796E-05	1.418682575	2.668962955	0.051890224	0.000223631	4.885057449	0.001322572	0.010353946	0.000430161	0.000183422	7.82396E-05	0.105916485	2.01592E-06	6.54892E-05	0.000735603	0.00176816	0
2024 Jul	0.148824424	1.04739E-05	1.460951686	2.737097502	0.052964307	0.000229997	5.022677422	0.00136591	0.010726757	0.0004388	0.000190617	8.04233E-05	0.108671024	2.09478E-06	6.76718E-05	0.000755671	0.001839538	0
2024 Aug	0.151351631	1.07565E-05	1.492241502	2.784193993	0.053447623	0.00023998	5.133664608	0.001395215	0.010979285	0.000441886	0.000192281	8.19871E-05	0.110675707	2.15131E-06	6.9348E-05	0.000761063	0.001874512	0
2024 Sep	0.147377759	1.06621E-05	1.466426849	2.717645168	0.051086728	0.000252497	5.059271812	0.001368952	0.010886198	0.00041945	0.000183105	7.98279E-05	0.108231321	2.13241E-06	6.93153E-05	0.000727842	0.001827977	0
2024 Oct	0.146272212	1.06601E-05	1.460171819	2.699370623	0.050140902	0.000260875	5.047719002	0.001361775	0.010915591	0.000410247	0.000179373	7.89631E-05	0.107550286	2.13201E-06	6.98383E-05	0.000715869	0.00181278	0
2024 Nov	0.145686164	1.06588E-05	1.456841707	2.689677238	0.049641185	0.000265286	5.041515827	0.001357961	0.010930844	0.000405386	0.000177401	7.85054E-05	0.107188873	2.13176E-06	7.01124E-05	0.000709541	0.001804729	0
2024 Dec	0.145727754	1.06629E-05	1.457324266	2.69047451	0.049647458	0.000265505	5.043325424	0.001358392	0.010935524	0.000405416	0.000177419	7.85241E-05	0.107221305	2.13258E-06	7.0147E-05	0.000709653	0.001805223	0
2025 Jan	0.145739481	1.06629E-05	1.457431197	2.690771341	0.049654063	0.000265545	5.043805599	0.001358452	0.010935914	0.000405416	0.000177407	7.85243E-05	0.1072326	2.13258E-06	7.01516E-05	0.000709698	0.001805151	0
2025 Feb	0.145772398	1.06637E-05	1.457718492	2.69147563	0.049672134	0.000265569	5.044889927	0.001358673	0.010937065	0.000405498	0.000177426	7.85352E-05	0.107259661	2.13274E-06	7.016E-05	0.000709881	0.001805272	0
2025 Mar	0.145806715	1.06653E-05	1.458038926	2.692161798	0.049687564	0.000265612	5.046047688	0.001358946	0.010938921	0.000405589	0.000177456	7.855E-05	0.107286468	2.13307E-06	7.01724E-05	0.000710061	0.001805541	0
2025 Apr	0.145927444	1.06737E-05	1.459233522	2.694421291	0.049730841	0.00026582	5.050209999	0.001360045	0.010947571	0.000405922	0.000177597	7.86129E-05	0.107376203	2.13474E-06	7.02281E-05	0.000710656	0.001806947	0

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.147843003	1.08136E-05	1.478382945	2.72980237	0.05038454	0.000269305	5.116494179	0.001377887	0.011091106	0.000411251	0.000179925	7.96442E-05	0.108786061	2.16272E-06	7.1149E-05	0.000719988	0.00183063	0
2025 Jun	0.139171794	1.06555E-05	1.396887302	2.525759935	0.045837488	0.000247304	4.772476196	0.001324515	0.010776696	0.000371694	0.000185005	7.47654E-05	0.100881808	2.1311E-06	6.81947E-05	0.00068937	0.001853213	0
2025 Jul	0.129974172	1.05035E-05	1.309332848	2.305363417	0.040704049	0.000225326	4.414104939	0.001265974	0.010448491	0.000327955	0.000187384	6.94427E-05	0.092349537	2.10071E-06	6.50286E-05	0.000647309	0.001862435	0
2025 Aug	0.133044332	1.08291E-05	1.342579722	2.355448008	0.041205578	0.000233887	4.532100201	0.001298464	0.010743555	0.000331941	0.000189763	7.10668E-05	0.094433442	2.16582E-06	6.68172E-05	0.000653309	0.001903737	0
2025 Sep	0.132048666	1.08333E-05	1.339776397	2.343221664	0.040449161	0.000242533	4.532764912	0.001293566	0.010756099	0.000324222	0.000185625	7.05598E-05	0.094045676	2.16666E-06	6.72389E-05	0.000641067	0.001886757	0
2025 Oct	0.129218161	1.06928E-05	1.318125725	2.299087048	0.03880848	0.000253768	4.479041576	0.001269012	0.01067964	0.000308779	0.000177149	6.86372E-05	0.092328608	2.13857E-06	6.73668E-05	0.000616927	0.001836766	0
2025 Nov	0.128168344	1.06449E-05	1.310415506	2.282993555	0.038164984	0.000258678	4.461080551	0.001260049	0.010658251	0.000302668	0.000173803	6.79056E-05	0.091705285	2.12898E-06	6.74852E-05	0.000607503	0.001817793	0
2025 Dec	0.128203496	1.06485E-05	1.31082499	2.283662796	0.038169932	0.000258866	4.462613106	0.001260417	0.01066227	0.00030269	0.000173818	6.79213E-05	0.091732554	2.12969E-06	6.75149E-05	0.000607595	0.001818224	0
2026 Jan	0.12822099	1.06488E-05	1.310987473	2.284067154	0.038178854	0.000258911	4.463282585	0.001260528	0.010663028	0.000302715	0.000173814	6.79253E-05	0.091748111	2.12977E-06	6.75217E-05	0.000607672	0.001818219	0
2026 Feb	0.128244653	1.0649E-05	1.311185241	2.284595251	0.038193371	0.00025892	4.46405077	0.001260669	0.010663563	0.000302776	0.000173823	6.79321E-05	0.09176822	2.12981E-06	6.75261E-05	0.000607809	0.001818242	0
2026 Mar	0.128326088	1.06548E-05	1.311993718	2.286104441	0.038221706	0.000259064	4.466856003	0.001261419	0.010669556	0.000302971	0.000173921	6.7972E-05	0.091828242	2.13097E-06	6.75645E-05	0.000608208	0.001819227	0
2026 Apr	0.128649369	1.06811E-05	1.315284967	2.291896582	0.03832031	0.000259705	4.47809124	0.001264568	0.010695987	0.000303736	0.000174352	6.81415E-05	0.092060551	2.13623E-06	6.77322E-05	0.000609748	0.001823713	0
2026 May	0.130443007	1.07883E-05	1.332444429	2.326120138	0.039040793	0.000262105	4.538137913	0.001280045	0.010810027	0.000309817	0.000176403	6.91242E-05	0.093407944	2.15766E-06	6.84642E-05	0.000619166	0.001842537	0
2026 Jun	0.129353777	1.0367E-05	1.303607702	2.306239605	0.040758219	0.000229302	4.407739162	0.001255414	0.010373794	0.000327957	0.000183703	6.90138E-05	0.092323415	2.0734E-06	6.4954E-05	0.000644372	0.001831865	0
2026 Jul	0.130288556	1.06157E-05	1.314256191	2.305508614	0.040348347	0.000229308	4.427177429	0.001273114	0.010567315	0.000324122	0.000189028	6.93734E-05	0.092381999	2.12314E-06	6.58164E-05	0.000648358	0.001883256	0
2026 Aug	0.1315469	1.08223E-05	1.328636408	2.319110155	0.040045876	0.000234976	4.484484673	0.001287916	0.010732415	0.000321965	0.000187838	6.99318E-05	0.093017548	2.16447E-06	6.67128E-05	0.000640585	0.001895976	0
2026 Sep	0.132072568	1.09143E-05	1.33812201	2.331676722	0.039926764	0.000242404	4.523164272	0.001295679	0.010833066	0.000320015	0.000186862	7.01935E-05	0.093576558	2.18287E-06	6.75605E-05	0.000638687	0.001901256	0
2026 Oct	0.128784269	1.07272E-05	1.311536312	2.279703856	0.038215883	0.000251903	4.451877594	0.001266369	0.010706949	0.000304137	0.000177928	6.80685E-05	0.091542229	2.14543E-06	6.73529E-05	0.000613025	0.001844516	0
2026 Nov	0.129082814	1.07537E-05	1.314711809	2.285110712	0.038290072	0.000252799	4.463027	0.001269364	0.010734652	0.000304683	0.000178255	6.82187E-05	0.091760367	2.15074E-06	6.75387E-05	0.00061425	0.001848603	0
2026 Dec	0.129117474	1.0757E-05	1.315097213	2.285753727	0.038296904	0.000252942	4.464425087	0.001269719	0.010738228	0.000304727	0.000178282	6.82352E-05	0.091786437	2.1514E-06	6.75639E-05	0.000614368	0.001849054	0
2027 Jan	0.129129976	1.07573E-05	1.315214634	2.28603816	0.038303066	0.000252974	4.464901447	0.001269802	0.01073881	0.000304746	0.000178281	6.82384E-05	0.091797411	2.15147E-06	6.7569E-05	0.000614423	0.001849064	0
2027 Feb	0.129145518	1.07575E-05	1.315344572	2.286385298	0.038312595	0.000252981	4.465407372	0.001269894	0.010739163	0.000304785	0.000178286	6.82429E-05	0.091810629	2.1515E-06	6.75718E-05	0.000614513	0.001849079	0
2027 Mar	0.129219845	1.0763E-05	1.316086411	2.287740707	0.038337335	0.000253113	4.467960835	0.001270592	0.010744833	0.000304963	0.00017838	6.82801E-05	0.091864668	2.15261E-06	6.76079E-05	0.000614875	0.001850031	0
2027 Apr	0.12974298	1.08063E-05	1.321405649	2.297025204	0.038494077	0.00025413	4.486039162	0.001275717	0.010788039	0.000306198	0.000179098	6.85553E-05	0.092237256	2.16125E-06	6.78799E-05	0.000617369	0.001857455	0
2027 May	0.131778046	1.09484E-05	1.341391444	2.33460784	0.039219916	0.000257362	4.555007458	0.001294322	0.010934402	0.000312204	0.000181642	6.96528E-05	0.093728796	2.18968E-06	6.88087E-05	0.000627637	0.001882196	0
2027 Jun	0.119925559	1.04807E-05	1.223775864	2.070913315	0.03422815	0.000219509	4.070241451	0.001209434	0.010288707	0.000269907	0.000187087	6.32932E-05	0.083382696	2.09613E-06	6.34703E-05	0.000593674	0.001877517	0
2027 Jul	0.119068548	1.06895E-05	1.217155814	2.027795076	0.032994594	0.000213164	4.012577057	0.001216446	0.010406618	0.000258857	0.000194685	6.26996E-05	0.081791729	2.1379E-06	6.36089E-05	0.000594505	0.001938973	0
2027 Aug	0.122234926	1.10326E-05	1.254110217	2.083801508	0.033625659	0.000223446	4.140406132	0.001252175	0.010719122	0.000263183	0.000197924	6.45376E-05	0.084144063	2.20653E-06	6.56105E-05	0.000603822	0.001987249	0
2027 Sep	0.120345965	1.09642E-05	1.24550724	2.062514544	0.032516327	0.000236297	4.131830692	0.001238586	0.010676472	0.000252016	0.000189825	6.35873E-05	0.083422929	2.19283E-06	6.59427E-05	0.000582714	0.001944908	0
2027 Oct	0.11876791	1.0866E-05	1.234162569	2.042102575	0.031585436	0.000245827	4.112010479	0.001223379	0.010636782	0.000243068	0.000183265	6.24468E-05	0.082622252	2.17319E-06	6.62044E-05	0.000566881	0.001906263	0
2027 Nov	0.118715145	1.08737E-05	1.234987855	2.043022156	0.031432461	0.000249196	4.119646549	0.00122312	0.010659683	0.000241405	0.000182063	6.23345E-05	0.082666308	2.17474E-06	6.64852E-05	0.000564373	0.001901796	0
2027 Dec	0.118738301	1.08765E-05	1.235303879	2.043520451	0.031430993	0.000249435	4.120967388	0.001223374	0.010663273	0.000241368	0.000182037	6.23421E-05	0.082686849	2.1753E-06	6.65151E-05	0.000564359	0.001901969	0
2028 Jan	0.118753955	1.08764E-05	1.235441089	2.043920755	0.031440713	0.000249476	4.121584892	0.001223446	0.010663615	0.000241393	0.000182022	6.23444E-05	0.082702011	2.17527E-06	6.65198E-05	0.000564426	0.001901857	0
2028 Feb	0.11878822	1.08771E-05	1.235738635	2.044658661	0.031459827	0.000249499	4.122713089	0.001223673	0.010664756	0.00024148	0.000182041	6.23557E-05	0.082730338	2.17542E-06	6.65282E-05	0.000564617	0.001901969	0
2028 Mar	0.118820369	1.08788E-05	1.236041069	2.045291901	0.031473767	0.000249541	4.123795509	0.001223936	0.010666596	0.000241555	0.000182072	6.23689E-05	0.082755134	2.17575E-06	6.65403E-05	0.000564785	0.001902248	0
2028 Apr	0.119109496	1.09045E-05	1.239030957	2.050313473	0.03155338	0.000250133	4.133810997	0.001226876	0.010691968	0.000242148	0.000182505	6.25187E-05	0.082957849	2.1809E-06	6.6699E-05	0.000566168	0.001906745	0
2028 May	0.120349467	1.10176E-05	1.251918435	2.071684122	0.031883746	0.000252727	4.176830292	0.001239625	0.010802913	0.000244679	0.000184399	6.3169E-05	0.08382225	2.20352E-06	6.73913E-05	0.000572069	0.001926518	0
2028 Jun	0.111229874	1.06065E-05	1.15833807	1.868141055	0.028287912	0.000219455	3.791378975	0.001171437	0.010254471	0.000214915	0.000189135	5.8292E-05	0.075788364	2.1213E-06	6.28453E-05	0.000548431	0.001919374	0
2028 Jul	0.110453367	1.07311E-05	1.150548458	1.832703829	0.027436463	0.000212216	3.736691475	0.001174276	0.010308643	0.0002076	0.000195135	5.77897E-05	0.074450277	2.14622E-06	6.26653E-05	0.000549918	0.001963354	0
2028 Aug	0.115566202	1.1249E-05	1.205627561	1.918596029	0.028609792	0.000223974	3.918885708	0.001229766	0.010797421	0.000216249	0.000203154	6.05373E-05	0.077976897	2.24979E-06	6.56757E-05	0.000572283	0.002051399	0
2028 Sep	0.115799323	1.13026E-05	1.212871671	1.929850698	0.028309288	0.000235161	3.958933592	0.001233068	0.010890947	0.000212509	0.000199712	6.04938E-05	0.07846541	2.26052E-06	6.66889E-05	0.000566017	0.002041442	0
2028 Oct	0.111674316	1.09598E-05	1.180212498	1.879481077	0.026323501	0.000255177	3.897396803	0.001189075	0.010695796	0.000193809	0.000182294	5.76787E-05	0.076446526	2.19196E-06	6.66962E-05	0.000526825	0.00192869	0
2028 Nov	0.111652993	1.09676E-05	1.181740046	1.882176757	0.026156006	0.000259848	3.909865856	0.001188836	0.010725804	0.000191922	0.000180547	5.75579E-05	0.076560944	2.19353E-06	6.70796E-05	0.000523561	0.001921667	0
2028 Dec	0.111685872	1.0971E-05	1.1821208	1.882787943	0.026160689	0.000260012	3.911263227	0.001189186	0.01072956	0.000191944	0.000180568	5.75728E-05	0.076585904	2.19421E-06	6.71067E-05	0.000523656	0.001922109	0
2029 Jan	0.111698017	1.09709E-05	1.182225823	1.883096933	0.026168376	0.000260041	3.911734104	0.001189243	0.010729791	0.000191969	0.000180557	5.7575E-05	0.076597601	2.19418E-06	6.711E-05	0.000523709	0.001922024	0
2029 Feb	0.111716434	1.09709E-05	1.182374001	1.883522153	0.026180651	0.000260043	3.912326813	0.001189339	0.010730016	0.000192021	0.000180561	5.758E-05	0.076613687	2.19417E-06	6.71123E-05	0.000523817	0.001921998	0
2029 Mar	0.111744992	1.09726E-05	1.182650805	1.884066224	0.026191683	0.000260087	3.913298607	0.001189589	0.010731917	0.000192082	0.000180592	5.75923E-05	0.07663516	2.19453E-06	6.71246E-05	0.000523963	0.001922303	0
2029 Apr	0.111860298	1.09834E-05	1.183856487	1.886046052	0.026221182	0.000260343	3.917320251	0.001190786	0.01074251	0.000192286	0.000180771	5.76503E-05	0.076715305	2.19668E-06	6.71911E-05	0.000524511	0.00192418	0
2029 May	0.112723529	1.1056E-05	1.192664385	1.901291609	0.02647686	0.000262027	3.947001934	0.00119934	0.010815154	0.000194297	0.000182027	5.81048E-05	0.077327423	2.21119E-06	6.76485E-05	0.000528762	0.001936964	0
2029 Jun	0.110258117	1.09158E-05	1.163270831	1.840332866	0.025868304	0.000243412	3.812754869	0.001180585	0.010606255	0.000190178	0.000187387	5.6943E-05	0.074881367	2.18316E-06	6.56783E-05	0.000531007	0.001951033	0
2029 Jul	0.101814531	1.04321E-05	1.071210384	1.651865244	0.022692211	0.000209152	3.456573009	0.001108184	0.009980203	0.000166344	0.000186148	5.2423E-05	0.067393787	2.08642E-06	6.05528E-05	0.000496818	0.00190182	0
2029 Aug	0.104163527	1.07102E-05	1.097977281	1.689371943	0.022896986	0.000217481	3.555315971	0.001133978	0.010221755	0.000167941	0.000186663	5.36908E-05	0.068994187	2.14205E-06	6.20179E-05	0.000496715	0.001929646	0
2029 Sep	0.104744472	1.07981E-05	1.109453797	1.707000136	0.022779195	0.000228086	3.606906891	0.001141764	0.010331519	0.00016572	0.000184203	5.39848E-05	0.069763437	2.15963E-06	6.3071E-05	0.000492833	0.001927456	0
2029 Oct	0.103940047	1.07253E-05	1.105310917	1.703277707	0.022247715	0.000238645	3.614170313	0.001132192	0.010324777	0.000160221	0.000178053	5.3295E-05	0.0696119	2.14506E-06	6.35771E-05	0.000481056	0.001892297	0
2029 Nov	0.1039024	1.07244E-05	1.106196761	1.705418944	0.0221349	0.000242175	3.623134136	0.001131546	0.010342369	0.000158921	0.000176598	5.31948E-05	0.069699593	2.14488E-06	6.38451E-05	0.000478534	0.001885631	0
2029 Dec	0.103925332	1.07268E-05	1.106473804	1.705866098	0.022137098	0.000242321	3.624197245	0.00113179	0.010345198	0.000158924	0.000176601	5.32045E-05	0.069717869	2.14537E-06	6.38667E-05	0.000478579	0.001885894	0
2030 Jan	0.103939891	1.07268E-05	1.10660243	1.706227779	0.022145931	0.000242355	3.62475729	0.001131864	0.010345559	0.000158956	0.000176591	5.32078E-05	0.06973163	2.14536E-06	6.3871E-05	0.000478644	0.00188582	0
2030 Feb	0.103972331	1.0728E-05	1.1068964	1.706894279	0.022161858	0.000242388	3.625837326	0.001132106	0.010347055	0.000159032	0.000176616	5.32197E-05	0.069757462	2.1456E-06	6.38812E-05	0.000478819	0.00188602	0
2030 Mar	0.104021914	1.0732E-05	1.107396364	1.707781076	0.022177337	0.00024248	3.627538681	0.001132585	0.010351046	0.000159123	0.000176684	5.32425E-05	0.069792949	2.14639E-06	6.39064E-05	0.000479061	0.001886707	0
2030 Apr	0.104186922	1.07483E-05	1.109137058	1.710531712	0.02221532	0.000242851	3.633277178	0.001134347	0.010366928	0.000159384	0.000176955	5.33255E-05	0.069904923	2.14967E-06	6.40048E-05	0.000479829	0.00188958	0
2030 May	0.105387062	1.08708E-05	1.121879578	1.730314851	0.022476969	0.000245617	3.675080776	0.001147344	0.010485251	0.000161271	0.000178977	5.39402E-05	0.070712529	2.17417E-06	6.47357E-05	0.000485378	0.001911117	0
2030 Jun	0.101341747	1.05647E-05	1.073728442	1.639374018	0.02175195	0.000217413	3.464799881	0.001112702	0.010099532	0.000156744	0.000185456	5.20631E-05	0.067024544	2.11295E-06	6.14623E-05	0.000488571	0.001915018	0
2030 Jul	0.09853334	1.04097E-05	1.041663289	1.572904587	0.020671288	0.000203623	3.338588476	0.00108848	0.009883963	0.000149048	0.000185672	5.05436E-05	0.064377546	2.08193E-06	5.95767E-05	0.000477207	0.00190171	0
2030 Aug	0.100972101	1.06831E-05	1.067754865	1.610374808	0.020941498	0.00021059	3.432852745	0.001114269	0.010127032	0.000151357	0.000187039	5.17803E-05	0.065947235	2.13662E-06	6.10082E-05	0.000479408	0.001933085	0
2030 Sep	0.103046507	1.09145E-05	1.091972589	1.646773815	0.021300763	0.000218218	3.51572156	0.001137998	0.010351377	0.00015346	0.000189628	5.28876E-05	0.067463718	2.1829E-06	6.24929E-05	0.000486818	0.001968312	0
2030 Oct	0.10210631	1.08163E-05	1.086226821	1.6417588	0.020793609	0.000228305	3.518384933	0.001126415	0.010321735	0.000148249	0.000183079	5.21453E-05	0.067253217	2.16326E-06	6.28675E-05	0.000474594	0.001928603	0
2030 Nov	0.101748921	1.07791E-05	1.084354401	1.640591979	0.020577719	0.000233031	3.521963835	0.001121924	0.010315256	0.000145987	0.000180234	5.1844E-05	0.067203134	2.15581E-06	6.30797E-05	0.000469372	0.001911902	0
2030 Dec	0.101766236	1.07809E-05	1.084571958	1.640949726	0.020578766	0.000233166	3.52283597	0.001122105	0.01031752	0.000145981	0.000180227	5.18508E-05	0.067217745	2.15618E-06	6.30978E-05	0.000469391	0.001912057	0
2031 Jan	0.101781674	1.07809E-05	1.084709287	1.641331315	0.020587998	0.000233202	3.523430586	0.001122186	0.01031793	0.000146016	0.000180217	5.18545E-05	0.067232281	2.15618E-06	6.31026E-05	0.00046946	0.001911986	0
2031 Feb	0.101802409	1.07809E-05	1.084878087	1.641809106	0.020601608	0.000233208	3.524103642	0.001122298	0.010318229	0.000146076	0.000180221	5.18604E-05	0.067250378	2.15618E-06	6.31055E-05	0.000469581	0.001911965	0
2031 Mar	0.101833567	1.0783E-05	1.085181713	1.642389894	0.020613048	0.000233256	3.525158167	0.001122577	0.010320405	0.000146137	0.000180259	5.18737E-05	0.067273363	2.1566E-06	6.31194E-05	0.000469739	0.001912326	0
2031 Apr	0.102183022	1.08193E-05	1.08888948	1.648070693	0.020686718	0.000234043	3.537241459	0.001126393	0.010355259	0.000146648	0.000180867	5.20503E-05	0.067505598	2.16386E-06	6.33328E-05	0.000471359	0.00191876	0
2031 May	0.105879113	1.09339E-05	1.121403098	1.724679589	0.022640321	0.000236164	3.655965328	0.001152798	0.010501746	0.00016384	0.000183981	5.41627E-05	0.070458718	2.18678E-06	6.43178E-05	0.000492834	0.001940068	0
2031 Jun	0.119376145	1.0675E-05	1.221428871	2.041782856	0.032888964	0.000223052	4.048696041	0.001215123	0.01045978	0.000257416	0.000190034	6.2521E-05	0.082309507	2.13499E-06	6.43938E-05	0.000588257	0.001915075	0
2031 Jul	0.124091849	1.1152E-05	1.269835949	2.116373539	0.033956874	0.000231027	4.203985214	0.001265728	0.010908273	0.000265651	0.000198751	6.49453E-05	0.085346036	2.23041E-06	6.70264E-05	0.000610897	0.002002403	0
2031 Aug	0.125950456	1.13885E-05	1.292518973	2.147098303	0.034083113	0.000238822	4.287236691	0.001287466	0.011111045	0.000266335	0.000199068	6.6012E-05	0.086679898	2.27771E-06	6.82941E-05	0.00061035	0.002025985	0
2031 Sep	0.122303739	1.11905E-05	1.269087911	2.099204302	0.032338746	0.000253047	4.234783173	0.00125769	0.010949045	0.000249452	0.000186845	6.41622E-05	0.084924981	2.2381E-06	6.80676E-05	0.000577675	0.001952608	0
2031 Oct	0.117475323	1.08543E-05	1.230651736	2.031919003	0.029903419	0.000272335	4.147222996	0.001210556	0.010749558	0.000226571	0.000170142	6.09263E-05	0.082261041	2.17086E-06	6.79975E-05	0.000536232	0.001845661	0
2031 Nov	0.117337488	1.08521E-05	1.230375171	2.03109479	0.029752409	0.000274945	4.150323868	0.001209388	0.010760236	0.000225001	0.000169009	6.07845E-05	0.082233444	2.17042E-06	6.81796E-05	0.000533738	0.001840507	0
2031 Dec	0.117353752	1.0854E-05	1.230585217	2.031429291	0.029752593	0.000275083	4.151170254	0.001209564	0.010762518	0.000224988	0.000169001	6.07906E-05	0.082247175	2.17079E-06	6.81979E-05	0.000533748	0.001840661	0
2032 Jan	0.117369041	1.08541E-05	1.230721951	2.031798363	0.029761396	0.000275118	4.151751518	0.001209648	0.010762986	0.000225015	0.000168994	6.07938E-05	0.082261264	2.17081E-06	6.82029E-05	0.000533818	0.001840612	0
2032 Feb	0.117390245	1.0854E-05	1.230893135	2.032284498	0.029775374	0.000275121	4.152430534	0.001209763	0.010763279	0.000225074	0.000168999	6.07995E-05	0.082279667	2.17081E-06	6.82056E-05	0.000533944	0.001840595	0
2032 Mar	0.117429674	1.08566E-05	1.231279016	2.033031464	0.029790031	0.000275188	4.153787613	0.001210112	0.010766001	0.000225159	0.000169043	6.08171E-05	0.082309209	2.17132E-06	6.82234E-05	0.000534139	0.001841024	0

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.117667593	1.0878E-05	1.23375833	2.037186384	0.029852979	0.000275731	4.162182331	0.001212533	0.010787318	0.000225621	0.000169377	6.09387E-05	0.082477048	2.1756E-06	6.83587E-05	0.00053523	0.001844649	0
2032 May	0.118935771	1.09846E-05	1.246756673	2.059718847	0.030222565	0.000278382	4.206430435	0.001225055	0.010894516	0.000228523	0.000171106	6.16042E-05	0.083382308	2.19692E-06	6.90401E-05	0.000541227	0.001862844	0
2032 Jun	0.111211814	1.05306E-05	1.160694957	1.884052515	0.027994623	0.000235577	3.837550402	0.001163798	0.010290981	0.000211686	0.000180014	5.77842E-05	0.076362655	2.10613E-06	6.38634E-05	0.000534609	0.001867981	0
2032 Jul	0.101218089	9.92692E-06	1.054953933	1.671881199	0.024164075	0.000203759	3.445667744	0.001075731	0.009563375	0.000182174	0.000173877	5.2356E-05	0.067940854	1.98538E-06	5.83054E-05	0.000487302	0.001784319	0
2032 Aug	0.10218706	1.01046E-05	1.071505904	1.690615535	0.023972275	0.000212849	3.513825417	0.001089863	0.009696327	0.000180057	0.000171144	5.31106E-05	0.068846993	2.02092E-06	5.92251E-05	0.00047824	0.001787725	0
2032 Sep	0.103010297	1.02374E-05	1.086632371	1.711226106	0.023978928	0.000221876	3.572058201	0.00110246	0.009818032	0.000178874	0.000170122	5.37543E-05	0.069782853	2.04747E-06	6.02253E-05	0.000476452	0.001796668	0
2032 Oct	0.103381306	1.02814E-05	1.092046022	1.720190167	0.023931127	0.000226793	3.596305847	0.001106365	0.009880926	0.000177956	0.000169269	5.38498E-05	0.070150368	2.05627E-06	6.07894E-05	0.000475592	0.001797347	0
2032 Nov	0.103319824	1.02798E-05	1.09235847	1.72096312	0.023830848	0.0002293	3.601466656	0.001105665	0.009892707	0.000176847	0.000168228	5.37549E-05	0.07018315	2.05597E-06	6.0976E-05	0.000473656	0.001792563	0
2032 Dec	0.102947392	1.02478E-05	1.089476585	1.716730952	0.023650512	0.000231371	3.596496105	0.001101634	0.009876425	0.00017511	0.00016659	5.34921E-05	0.070011936	2.04956E-06	6.10006E-05	0.000470135	0.001782025	0
2033 Jan	0.102975994	1.0248E-05	1.089732766	1.717423439	0.023666935	0.00023144	3.597588062	0.001101792	0.009877318	0.000175167	0.000166577	5.34987E-05	0.070038348	2.04959E-06	6.101E-05	0.000470265	0.001781931	0
2033 Feb	0.103027284	1.02493E-05	1.0901829	1.718515635	0.023694716	0.000231479	3.599281073	0.001102141	0.009879186	0.000175296	0.000166607	5.35162E-05	0.07008037	2.04986E-06	6.10234E-05	0.000470549	0.001782136	0
2033 Mar	0.103135422	1.0258E-05	1.091276646	1.720448613	0.023728309	0.00023168	3.603005171	0.00110319	0.00988789	0.000175503	0.000166754	5.35674E-05	0.070157826	2.05159E-06	6.10781E-05	0.00047107	0.001783634	0
2033 Apr	0.103590272	1.0302E-05	1.096060634	1.728110075	0.023837939	0.000232679	3.618864536	0.001107993	0.009930548	0.00017629	0.000167473	5.38008E-05	0.070469469	2.06041E-06	6.13422E-05	0.000473163	0.001791287	0
2033 May	0.115637444	1.03417E-05	1.193023324	1.996963263	0.031663001	0.000231054	3.990156174	0.001176706	0.010134303	0.000246776	0.000174116	6.09254E-05	0.080645636	2.06834E-06	6.29534E-05	0.000549768	0.001805851	0
2033 Jun	0.126596496	9.79907E-06	1.262852311	2.268561602	0.041530166	0.0002073	4.27469635	0.00121049	0.009820582	0.000338188	0.000178434	6.79155E-05	0.090587221	1.95981E-06	6.12022E-05	0.000639634	0.001745147	0
2033 Jul	0.128383875	1.00548E-05	1.281500816	2.28887701	0.041581362	0.000209929	4.329870701	0.001232845	0.010040426	0.00033839	0.00018276	6.8749E-05	0.091458529	2.01097E-06	6.23549E-05	0.000645952	0.001790919	0
2033 Aug	0.133126318	1.04638E-05	1.329821229	2.371052742	0.042890877	0.000219147	4.49577713	0.001279593	0.010435293	0.000349049	0.00018859	7.12694E-05	0.094776995	2.09276E-06	6.478E-05	0.000665436	0.001856124	0
2033 Sep	0.128692925	1.03046E-05	1.300411582	2.302714825	0.040292885	0.000237045	4.422238827	0.001246333	0.010325106	0.000324212	0.000175806	6.86599E-05	0.092231497	2.06092E-06	6.49597E-05	0.000626193	0.001786497	0
2033 Oct	0.11911393	9.84246E-06	1.225824833	2.148334026	0.034836974	0.000269861	4.226194859	0.001164616	0.010044507	0.000273232	0.000149357	6.22981E-05	0.086233266	1.96849E-06	6.5E-05	0.000547487	0.001628883	0
2033 Nov	0.118441582	9.83681E-06	1.222540975	2.138993263	0.034238134	0.000276599	4.224131584	0.001159851	0.010067688	0.000267294	0.000146326	6.17417E-05	0.085888423	1.96736E-06	6.54313E-05	0.000539142	0.001615654	0
2033 Dec	0.118469805	9.8397E-06	1.2228719	2.139533281	0.0342419	0.000276755	4.225376606	0.001160148	0.010070959	0.00026731	0.000146337	6.17541E-05	0.085910439	1.96794E-06	6.54556E-05	0.000539213	0.001615995	0
2034 Jan	0.11848408	9.83995E-06	1.223002434	2.139864683	0.034249492	0.000276788	4.225914001	0.001160236	0.010071516	0.000267331	0.000146334	6.17573E-05	0.085923165	1.96799E-06	6.54607E-05	0.000539278	0.001615986	0
2034 Feb	0.118505873	9.84024E-06	1.223186255	2.140344381	0.034262512	0.000276797	4.226620674	0.00116037	0.010072076	0.000267387	0.000146344	6.17638E-05	0.085941471	1.96805E-06	6.5465E-05	0.000539403	0.001616027	0
2034 Mar	0.11854735	9.84285E-06	1.223591924	2.141140461	0.034278169	0.000276871	4.228061676	0.001160733	0.010074897	0.000267484	0.000146386	6.17828E-05	0.08597292	1.96857E-06	6.54837E-05	0.000539606	0.001616452	0
2034 Apr	0.118976995	9.87805E-06	1.228013754	2.148927212	0.034404498	0.000277861	4.243362904	0.001164915	0.010111008	0.000268456	0.000146911	6.20052E-05	0.086285286	1.97561E-06	6.57186E-05	0.00054157	0.001622231	0
2034 May	0.123670906	1.00069E-05	1.268458366	2.246261835	0.036982063	0.000279117	4.390223026	0.001197672	0.010278676	0.000291309	0.000151126	6.47155E-05	0.090025023	2.00138E-06	6.68156E-05	0.000569901	0.001648559	0
2034 Jun	0.136098921	9.81643E-06	1.355081201	2.520142078	0.046592366	0.000251662	4.700699329	0.001259067	0.010208835	0.000380116	0.000164767	7.25844E-05	0.100206897	1.96329E-06	6.59541E-05	0.000669878	0.001668739	0
2034 Jul	0.134556994	9.9236E-06	1.340719581	2.468572617	0.04502885	0.000247797	4.637897968	0.001253981	0.010236537	0.000367288	0.000165621	7.15253E-05	0.098267578	1.98472E-06	6.56457E-05	0.000655026	0.001685378	0
2034 Aug	0.140631407	1.04166E-05	1.403370738	2.578960896	0.046857238	0.000261027	4.856139183	0.001312835	0.010727084	0.000381958	0.000172389	7.48065E-05	0.102713667	2.08332E-06	6.87877E-05	0.000680881	0.001762651	0
2034 Sep	0.136227936	1.02767E-05	1.371626139	2.504397631	0.044144347	0.000276464	4.768461704	0.001279913	0.010639835	0.000356385	0.000161526	7.19975E-05	0.099881545	2.05535E-06	6.89791E-05	0.00064432	0.001704488	0
2034 Oct	0.12766555	9.91647E-06	1.303439736	2.356014013	0.039311383	0.000297556	4.568880558	0.00121094	0.010379435	0.000311702	0.000142393	6.65217E-05	0.094141766	1.98329E-06	6.85129E-05	0.000579508	0.00159037	0
2034 Nov	0.127427071	9.92341E-06	1.302611709	2.352417469	0.039054468	0.000300429	4.569271564	0.0012097	0.010396448	0.000309133	0.000141326	6.63127E-05	0.094013877	1.98468E-06	6.87299E-05	0.000576258	0.001586776	0
2034 Dec	0.12746121	9.9267E-06	1.303000569	2.353067875	0.039060377	0.000300595	4.570717812	0.00121005	0.010400137	0.000309167	0.000141344	6.63283E-05	0.094040267	1.98534E-06	6.87568E-05	0.000576359	0.001587186	0
2035 Jan	0.127473295	9.92689E-06	1.3031106	2.353350163	0.039066903	0.000300623	4.571172237	0.001210123	0.010400589	0.000309181	0.000141341	6.63306E-05	0.094051085	1.98538E-06	6.87611E-05	0.000576414	0.001587174	0
2035 Feb	0.127496541	9.92738E-06	1.303311944	2.35385108	0.039079968	0.000300637	4.5719347	0.001210277	0.010401348	0.00030924	0.000141354	6.63381E-05	0.0940703	1.98548E-06	6.87666E-05	0.000576545	0.001587251	0
2035 Mar	0.127529725	9.92925E-06	1.303631067	2.354502201	0.039093371	0.000300694	4.573084831	0.001210555	0.010403433	0.000309321	0.000141384	6.63529E-05	0.094095901	1.98585E-06	6.87806E-05	0.000576709	0.001587547	0
2035 Apr	0.127934158	9.96033E-06	1.307753801	2.361991167	0.039219189	0.000301635	4.587564468	0.001214373	0.010436069	0.000310303	0.000141829	6.65619E-05	0.094394937	1.99207E-06	6.89966E-05	0.000578546	0.001592515	0
2035 May	0.130605504	1.01084E-05	1.3331213	2.413932085	0.040329959	0.000305335	4.677604675	0.001236763	0.010598873	0.00031972	0.00014459	6.80225E-05	0.09643276	2.02168E-06	7.00653E-05	0.000592514	0.001617877	0
2035 Jun	0.128007576	9.68225E-06	1.284912705	2.342555046	0.041736323	0.000249626	4.433969975	0.001206912	0.010016678	0.000336606	0.000161153	6.7582E-05	0.093358412	1.93645E-06	6.45953E-05	0.00062561	0.001652133	0
2035 Jul	0.126324117	9.83127E-06	1.270492196	2.284883976	0.040208329	0.000242293	4.351469994	0.001206135	0.010068428	0.000323202	0.000167047	6.65821E-05	0.09120021	1.96625E-06	6.43171E-05	0.000620678	0.00169973	0
2035 Aug	0.128236905	1.0101E-05	1.29823041	2.321987867	0.040379345	0.00025345	4.451242447	0.001231909	0.010296168	0.00032332	0.000167433	6.79161E-05	0.092855565	2.0202E-06	6.58835E-05	0.000621008	0.001728144	0
2035 Sep	0.120753221	9.81979E-06	1.24612999	2.20140934	0.036315024	0.000274626	4.305635929	0.001176383	0.01004099	0.000285082	0.000148679	6.38348E-05	0.088364042	1.96396E-06	6.53545E-05	0.000559276	0.001621457	0
2035 Oct	0.117537752	9.71099E-06	1.223314643	2.149680138	0.034131516	0.000291211	4.253093719	0.001150518	0.01001236	0.000264339	0.000138515	6.15068E-05	0.086374864	1.9422E-06	6.59556E-05	0.000528935	0.00156809	0
2035 Nov	0.115131758	9.59397E-06	1.203825235	2.109366417	0.032781374	0.000298048	4.199294567	0.001129891	0.009935264	0.000251885	0.000132356	5.99113E-05	0.084801599	1.91879E-06	6.58593E-05	0.000509834	0.001530534	0
2035 Dec	0.115153849	9.59718E-06	1.204149246	2.109833002	0.032776762	0.000298319	4.200656891	0.001130157	0.00993931	0.000251815	0.000132326	5.99172E-05	0.084821135	1.91944E-06	6.58929E-05	0.000509793	0.001530737	0
2036 Jan	0.115170859	9.59732E-06	1.204299212	2.110234737	0.032786462	0.000298354	4.201285362	0.001130253	0.009939839	0.00025184	0.000132321	5.99203E-05	0.084836446	1.91946E-06	6.58982E-05	0.000509873	0.001530699	0
2036 Feb	0.115197308	9.59743E-06	1.204514384	2.110827208	0.032803349	0.000298355	4.202123165	0.001130403	0.009940304	0.00025191	0.000132331	5.99275E-05	0.084858932	1.91949E-06	6.5902E-05	0.00051003	0.001530713	0
2036 Mar	0.115212798	9.59758E-06	1.20464313	2.111169577	0.032812834	0.000298359	4.202619553	0.001130496	0.009940656	0.00025195	0.000132338	5.9932E-05	0.08487197	1.91952E-06	6.59047E-05	0.000510121	0.001530735	0
2036 Apr	0.115768231	9.63575E-06	1.210213661	2.121765852	0.033007268	0.00029954	4.222389221	0.001135523	0.009981545	0.000253212	0.000132899	6.01956E-05	0.085292779	1.92715E-06	6.61784E-05	0.000512736	0.001536804	0
2036 May	0.117946789	9.79075E-06	1.23217833	2.162961245	0.033748519	0.000304239	4.29992342	0.001155532	0.010146152	0.0002585	0.000135198	6.12822E-05	0.08693175	1.95815E-06	6.72745E-05	0.000522983	0.001561705	0
2036 Jun	0.113243394	9.63081E-06	1.175263166	2.032093048	0.032277599	0.000263064	4.022175312	0.00112569	0.009798412	0.000248416	0.000149967	5.90901E-05	0.081732363	1.92616E-06	6.34168E-05	0.000530454	0.001621784	0
2036 Jul	0.110186689	9.68074E-06	1.142718673	1.93947041	0.030175023	0.000247567	3.87607336	0.001109932	0.009714028	0.000231922	0.000154069	5.7283E-05	0.078162655	1.93615E-06	6.19208E-05	0.000514745	0.00164949	0
2036 Aug	0.114445485	1.00882E-05	1.187968493	2.012603998	0.031149989	0.000258382	4.032383919	0.001153948	0.010106251	0.000239393	0.000158994	5.95182E-05	0.081149191	2.01764E-06	6.43851E-05	0.000530168	0.001711193	0
2036 Sep	0.113726065	1.01021E-05	1.18776536	2.006326675	0.030528801	0.000267487	4.043090343	0.00115105	0.010131042	0.00023287	0.000154923	5.91725E-05	0.080993645	2.02041E-06	6.48984E-05	0.00051915	0.001695116	0
2036 Oct	0.110912181	9.94795E-06	1.166987419	1.966074586	0.028859654	0.000281859	3.99928546	0.001125393	0.01006194	0.000217033	0.000144815	5.7191E-05	0.079422623	1.98959E-06	6.523E-05	0.000492824	0.001635978	0
2036 Nov	0.110286444	9.91441E-06	1.162432075	1.957194686	0.028481571	0.000285214	3.989969015	0.001119708	0.010047946	0.000213435	0.000142519	5.67465E-05	0.079076536	1.98288E-06	6.53184E-05	0.000486868	0.001622697	0
2036 Dec	0.110028759	9.89898E-06	1.160411239	1.95337975	0.02834123	0.000286242	3.985187531	0.00111732	0.010039131	0.000212122	0.000141679	5.65721E-05	0.078926735	1.9798E-06	6.53223E-05	0.000484642	0.001617517	0
2037 Jan	0.110054679	9.89943E-06	1.160646081	1.953977346	0.028355163	0.000286297	3.986148119	0.00111748	0.010040108	0.000212169	0.000141676	5.65786E-05	0.078949653	1.97989E-06	6.53311E-05	0.000484763	0.001617508	0
2037 Feb	0.110096097	9.90031E-06	1.161004305	1.95486939	0.028378431	0.000286323	3.987505198	0.001117753	0.010041456	0.000212275	0.000141699	5.65922E-05	0.078983881	1.98006E-06	6.53409E-05	0.000484996	0.001617642	0
2037 Mar	0.110204503	9.9085E-06	1.162104607	1.956880331	0.028413262	0.00028656	3.99135375	0.001118773	0.010050015	0.000212499	0.000141822	5.66437E-05	0.079064131	1.9817E-06	6.53972E-05	0.000485501	0.001618975	0
2037 Apr	0.110467121	9.93123E-06	1.164849401	1.961592078	0.028484896	0.000287218	4.00082016	0.001121392	0.010073205	0.000213013	0.00014215	5.67763E-05	0.079253934	1.98625E-06	6.55484E-05	0.000486673	0.001622685	0
2037 May	0.121537618	9.96625E-06	1.251869321	2.203841448	0.035813749	0.000280089	4.325901031	0.001184924	0.010229256	0.000279608	0.000150365	6.34436E-05	0.088409781	1.99325E-06	6.65788E-05	0.000560319	0.001645372	0
2037 Jun	0.129686922	9.53448E-06	1.297482729	2.394211769	0.043636408	0.000246548	4.492098331	0.001209917	0.00989373	0.00035355	0.000159228	6.89739E-05	0.095311843	1.9069E-06	6.39613E-05	0.000636999	0.001622501	0
2037 Jul	0.132433981	9.86336E-06	1.325819373	2.432071686	0.044038165	0.000250515	4.578667164	0.001241718	0.010187509	0.000356523	0.000165306	7.03409E-05	0.096882857	1.97267E-06	6.55782E-05	0.000649343	0.001683522	0
2037 Aug	0.13596192	1.01809E-05	1.364144802	2.496382713	0.044981126	0.000259953	4.712854385	0.001277765	0.010493274	0.000363766	0.000168837	7.23075E-05	0.099513061	2.03617E-06	6.75586E-05	0.000662322	0.001729864	0
2037 Sep	0.136907995	1.03268E-05	1.379095316	2.516628265	0.044905521	0.000269545	4.770721912	0.001290772	0.010645093	0.000361906	0.000168221	7.28076E-05	0.100401245	2.06536E-06	6.8759E-05	0.000661374	0.001742294	0
2037 Oct	0.133166313	1.01878E-05	1.350419402	2.452382803	0.042628158	0.000281742	4.691261292	0.001261096	0.010560482	0.000340719	0.000158922	7.0326E-05	0.097926319	2.03756E-06	6.88386E-05	0.000630643	0.001690185	0
2037 Nov	0.13275288	1.0185E-05	1.348043323	2.445682764	0.042284191	0.00028481	4.686958313	0.001258309	0.010569272	0.000337384	0.000157482	7.00086E-05	0.097676501	2.03701E-06	6.90196E-05	0.000626135	0.001684032	0
2037 Dec	0.132800654	1.01894E-05	1.348575592	2.446586609	0.042293925	0.000285015	4.688910961	0.001258791	0.010574153	0.000337447	0.000157514	7.00312E-05	0.097713061	2.03789E-06	6.90547E-05	0.000626294	0.001684615	0
2038 Jan	0.132815063	1.01898E-05	1.348709583	2.446916342	0.042301204	0.000285051	4.689459324	0.001258884	0.010574787	0.000337464	0.000157511	7.00343E-05	0.097725771	2.03796E-06	6.90603E-05	0.000626357	0.001684618	0
2038 Feb	0.132835776	1.019E-05	1.348882914	2.447375298	0.042313807	0.000285058	4.690128326	0.001259009	0.010575273	0.000337516	0.00015752	7.00402E-05	0.097743265	2.038E-06	6.90641E-05	0.000626477	0.001684647	0
2038 Mar	0.132867426	1.01917E-05	1.349183798	2.448000431	0.042327162	0.000285106	4.691212177	0.001259269	0.010577157	0.000337596	0.000157549	7.00541E-05	0.09776777	2.03834E-06	6.90767E-05	0.000626638	0.00168492	0
2038 Apr	0.133158326	1.02136E-05	1.352126241	2.453383923	0.042421702	0.000285718	4.701463699	0.001262004	0.010599953	0.000338335	0.000157889	7.02059E-05	0.097982518	2.04271E-06	6.92258E-05	0.000628017	0.001688536	0
2038 May	0.137822703	1.0307E-05	1.391166329	2.551585197	0.045145705	0.000285529	4.8442173	0.00129278	0.010735115	0.000362716	0.000161902	7.29353E-05	0.101735331	2.06139E-06	7.0105E-05	0.000657109	0.001709827	0
2038 Jun	0.146018967	9.97375E-06	1.440205932	2.738366127	0.052526593	0.000255893	5.020325184	0.00132293	0.010488871	0.000432161	0.000171235	7.83793E-05	0.10855405	1.99475E-06	6.8075E-05	0.000731131	0.001700475	0
2038 Jul	0.152014896	1.04887E-05	1.500491738	2.841055632	0.054288544	0.000265527	5.219297886	0.001382885	0.010992676	0.000446263	0.000180985	8.15402E-05	0.112676837	2.09774E-06	7.11354E-05	0.000761768	0.001795136	0
2038 Aug	0.157164782	1.09367E-05	1.557044029	2.937762976	0.055775233	0.000279599	5.418064594	0.001435261	0.011425607	0.000457657	0.000185904	8.44932E-05	0.116632432	2.18734E-06	7.39896E-05	0.00078138	0.00186013	0
2038 Sep	0.155669883	1.09474E-05	1.549533725	2.912549019	0.054583721	0.000288883	5.40137434	0.001427272	0.011448272	0.000446071	0.000181577	8.35497E-05	0.115732118	2.18948E-06	7.44736E-05	0.000765732	0.001844036	0
2038 Oct	0.152608663	1.08566E-05	1.526197553	2.857524157	0.052648917	0.000298186	5.333652973	0.001404278	0.011391573	0.000428106	0.000174715	8.15229E-05	0.113622077	2.17131E-06	7.45523E-05	0.000740929	0.001807461	0
2038 Nov	0.152680412	1.08726E-05	1.527541876	2.859065294	0.052598011	0.000299642	5.339542389	0.001405384	0.011411723	0.0004275	0.000174508	8.15275E-05	0.113690063	2.17452E-06	7.47229E-05	0.000740422	0.001808283	0
2038 Dec	0.152690381	1.08745E-05	1.527708888	2.859273434	0.052593347	0.000299803	5.340252876	0.001405523	0.011414052	0.000427442	0.000174489	8.15293E-05	0.113699056	2.17489E-06	7.47423E-05	0.000740378	0.001808398	0
2039 Jan	0.152702242	1.08746E-05	1.527818561	2.859556198	0.052599553	0.000299837	5.340720654	0.001405593	0.011414528	0.000427446	0.000174482	8.15305E-05	0.113709897	2.17493E-06	7.4747E-05	0.000740426	0.001808369	0
2039 Feb	0.152721643	1.08747E-05	1.527976632	2.85999465	0.052612003	0.00029984	5.341341019	0.001405702	0.011414857	0.000427492	0.000174488	8.15351E-05	0.113726526	2.17494E-06	7.47498E-05	0.000740541	0.001808369	0

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.152819544	1.08809E-05	1.528936505	2.861868858	0.052648876	0.000300013	5.344734192	0.001406565	0.011421564	0.000427761	0.000174592	8.15843E-05	0.113800623	2.17619E-06	7.47941E-05	0.000741026	0.001809403	0
2039 Apr	0.153158277	1.09047E-05	1.53231442	2.868235826	0.052767374	0.000300667	5.356563091	0.001409661	0.011446531	0.000428707	0.000174974	8.17634E-05	0.114053555	2.18093E-06	7.49578E-05	0.000742675	0.001813342	0
2039 May	0.154941991	1.10254E-05	1.549959421	2.90192008	0.053411007	0.000303924	5.418408871	0.00142576	0.011574271	0.000433988	0.000176977	8.27211E-05	0.115388989	2.20508E-06	7.57941E-05	0.000751493	0.001833576	0
2039 Jun	0.13520506	1.04692E-05	1.360854745	2.451440096	0.043851025	0.000250902	4.642549038	0.001293247	0.01067503	0.000352359	0.000183097	7.19277E-05	0.097882494	2.09383E-06	6.80014E-05	0.000677158	0.001834702	0
2039 Jul	0.121182874	1.0002E-05	1.222121119	2.131092787	0.03645318	0.000220272	4.127189636	0.001185838	0.009971237	0.000292335	0.000173311	6.38323E-05	0.085410014	2.0004E-06	6.21246E-05	0.000589877	0.001752749	0
2039 Aug	0.118150122	1.0053E-05	1.194699526	2.049187899	0.033461582	0.000223304	4.061152458	0.001162285	0.009897125	0.000269635	0.000159897	6.18348E-05	0.082377829	2.0106E-06	6.1178E-05	0.000532388	0.001690513	0
2039 Sep	0.11906299	1.01901E-05	1.209452271	2.069998264	0.033379205	0.00023367	4.119891644	0.001174589	0.010048276	0.000267625	0.00015892	6.22895E-05	0.083282158	2.03802E-06	6.24255E-05	0.000531182	0.001700473	0
2039 Oct	0.118144423	1.01551E-05	1.204031587	2.058175325	0.032745417	0.000240754	4.111713886	0.00116715	0.01005039	0.000261267	0.000155339	6.1604E-05	0.082832746	2.03103E-06	6.27859E-05	0.000522119	0.001682051	0
2039 Nov	0.118379861	1.0177E-05	1.206572771	2.062427044	0.032797035	0.000241555	4.120763302	0.001169535	0.010073305	0.000261632	0.000155563	6.17194E-05	0.08300481	2.03539E-06	6.29416E-05	0.00052298	0.001685211	0
2039 Dec	0.118422166	1.0181E-05	1.207036257	2.063198566	0.032805651	0.000241715	4.122430801	0.001169966	0.010077562	0.00026169	0.0001556	6.17398E-05	0.083036065	2.03619E-06	6.2971E-05	0.000523126	0.00168577	0
2040 Jan	0.118431106	1.0181E-05	1.207117319	2.063422918	0.03281099	0.000241739	4.122781277	0.001170013	0.010077826	0.000261702	0.000155594	6.17412E-05	0.083044618	2.03619E-06	6.29741E-05	0.000523168	0.001685731	0
2040 Feb	0.118448496	1.01812E-05	1.207265854	2.063804388	0.032821171	0.000241749	4.123350143	0.001170123	0.010078319	0.000261747	0.000155603	6.17466E-05	0.083059214	2.03625E-06	6.29778E-05	0.000523267	0.001685771	0
2040 Mar	0.118532971	1.01878E-05	1.208111286	2.065318584	0.032847486	0.000241907	4.126270771	0.001170924	0.010084972	0.000261937	0.000155706	6.17886E-05	0.083119743	2.03757E-06	6.30198E-05	0.000523653	0.00168686	0
2040 Apr	0.11880374	1.02107E-05	1.210862398	2.070060492	0.032924138	0.000242452	4.135685444	0.00117358	0.010107713	0.000262537	0.000156057	6.19287E-05	0.083310343	2.04215E-06	6.31621E-05	0.000524856	0.001690651	0
2040 May	0.122244313	1.03182E-05	1.241116524	2.141259432	0.034751203	0.000244244	4.245398998	0.001198305	0.010244512	0.000278591	0.000159166	6.38991E-05	0.08605431	2.06363E-06	6.40767E-05	0.00054533	0.001711655	0
2040 Jun	0.132113308	9.90251E-06	1.305251956	2.379322529	0.04383887	0.000215912	4.473683357	0.001237128	0.009998461	0.000361532	0.00017159	7.0453E-05	0.094780728	1.9805E-06	6.24618E-05	0.000643492	0.00170867	0
2040 Jul	0.133287519	1.01491E-05	1.318703175	2.386113882	0.043628659	0.000216856	4.503443241	0.001256597	0.010199699	0.000359158	0.000177136	7.09832E-05	0.095131665	2.02981E-06	6.34483E-05	0.000650122	0.001760974	0
2040 Aug	0.136196703	1.04408E-05	1.350248218	2.43554163	0.044216704	0.000224741	4.614786148	0.00128702	0.010468031	0.000363782	0.000179624	7.25615E-05	0.097176217	2.08816E-06	6.5106E-05	0.000657554	0.001799719	0
2040 Sep	0.135557264	1.05032E-05	1.353262663	2.430022001	0.043587357	0.000233712	4.63160944	0.001288356	0.010511188	0.000356875	0.000176543	7.24678E-05	0.097113565	2.10064E-06	6.56651E-05	0.000647111	0.001793571	0
2040 Oct	0.135188401	1.05267E-05	1.353255033	2.425997496	0.043071281	0.000241139	4.640069962	0.001286895	0.010563349	0.000351522	0.000174098	7.2074E-05	0.09698467	2.10535E-06	6.62817E-05	0.000640523	0.00178603	0
2040 Nov	0.135402188	1.05494E-05	1.355819464	2.430133104	0.043093465	0.000242452	4.649841309	0.001289167	0.010589386	0.000351572	0.000174147	7.21653E-05	0.097153686	2.10988E-06	6.64784E-05	0.000640978	0.001788547	0
2040 Dec	0.135425001	1.05517E-05	1.356086135	2.430569172	0.043096609	0.000242577	4.650842667	0.001289405	0.010592007	0.000351586	0.000174156	7.21754E-05	0.097171456	2.11034E-06	6.64978E-05	0.000641036	0.001788821	0
2041 Jan	0.135440797	1.05523E-05	1.356237531	2.430914879	0.043103792	0.000242617	4.651438236	0.00128952	0.010592863	0.00035161	0.000174158	7.21801E-05	0.097184889	2.11046E-06	6.65047E-05	0.000641106	0.001788874	0
2041 Feb	0.135463312	1.05529E-05	1.356436372	2.431391001	0.043115765	0.000242635	4.652182579	0.001289676	0.010593724	0.000351667	0.000174172	7.21879E-05	0.097203225	2.11059E-06	6.65108E-05	0.00064123	0.001788973	0
2041 Mar	0.135542259	1.05585E-05	1.357212305	2.4328475	0.043143515	0.000242765	4.654878139	0.001290396	0.010599407	0.000351871	0.000174266	7.22277E-05	0.097261071	2.11169E-06	6.65469E-05	0.000641613	0.001789907	0
2041 Apr	0.135779083	1.05766E-05	1.35957551	2.437120676	0.043220393	0.000243182	4.663002491	0.001292632	0.010617648	0.000352485	0.000174566	7.23526E-05	0.097431704	2.11531E-06	6.66616E-05	0.00064274	0.001792973	0
2041 May	0.137216985	1.06623E-05	1.373281837	2.464467049	0.043797072	0.000245048	4.711012363	0.001305	0.010708496	0.000357374	0.000176193	7.314E-05	0.098508112	2.13246E-06	6.72412E-05	0.000650213	0.001807928	0
2041 Jun	0.123795018	1.02906E-05	1.246480703	2.161727428	0.037412845	0.000210625	4.181132793	0.001217466	0.010134254	0.000301528	0.000183158	6.57669E-05	0.086729892	2.05812E-06	6.23552E-05	0.000608608	0.001825622	0
2041 Jul	0.112763241	9.88545E-06	1.140256405	1.92041254	0.032174982	0.000186664	3.768329859	0.001136414	0.009589421	0.000257064	0.000180925	5.95816E-05	0.077308811	1.97709E-06	5.80783E-05	0.000559356	0.001788099	0
2041 Aug	0.116851017	1.029E-05	1.184055328	1.989501476	0.033088714	0.000196429	3.918201208	0.001179525	0.009965706	0.000264143	0.000185842	6.17932E-05	0.080150582	2.058E-06	6.03854E-05	0.000573612	0.001849413	0
2041 Sep	0.117602289	1.04102E-05	1.197179198	2.007345438	0.033051893	0.000204782	3.969232082	0.001190558	0.01008407	0.000262721	0.000184997	6.22886E-05	0.080949612	2.08205E-06	6.13515E-05	0.000572171	0.001858017	0
2041 Oct	0.116852604	1.03832E-05	1.193597078	1.99959147	0.032445371	0.000213276	3.970539093	0.001184101	0.010100263	0.000256578	0.000180826	6.16626E-05	0.080660447	2.07663E-06	6.18486E-05	0.000562433	0.001837279	0
2041 Nov	0.117122389	1.04124E-05	1.196895003	2.004883051	0.03246728	0.00021508	3.983268976	0.001186986	0.010134358	0.000256572	0.000180843	6.17743E-05	0.080877043	2.08248E-06	6.21103E-05	0.000562916	0.00184033	0
2041 Dec	0.117164806	1.04165E-05	1.197366595	2.005656719	0.032475304	0.00021525	3.984962702	0.001187426	0.010138786	0.000256623	0.00018088	6.17945E-05	0.08090847	2.08331E-06	6.21411E-05	0.000563062	0.001840913	0
2042 Jan	0.117188908	1.04177E-05	1.197600245	2.006159544	0.032485418	0.000215307	3.985849619	0.001187615	0.010140239	0.000256667	0.000180891	6.18032E-05	0.080928124	2.08354E-06	6.2152E-05	0.000563172	0.001841055	0
2042 Feb	0.117208689	1.04179E-05	1.197767735	2.006598949	0.032497279	0.000215317	3.986498833	0.001187736	0.010140743	0.000256719	0.000180899	6.18091E-05	0.080944896	2.08358E-06	6.2156E-05	0.000563284	0.001841083	0
2042 Mar	0.117263421	1.0422E-05	1.198307991	2.007590771	0.032515932	0.000215404	3.988347054	0.001188247	0.01014482	0.000256843	0.000180971	6.18355E-05	0.080984391	2.08439E-06	6.21815E-05	0.000563557	0.001841789	0
2042 Apr	0.117752761	1.0465E-05	1.203297615	2.016000032	0.032653604	0.000216295	4.004982948	0.00119318	0.010186777	0.000257917	0.000181719	6.20921E-05	0.081323296	2.09299E-06	6.24389E-05	0.000565914	0.001849386	0
2042 May	0.120476887	1.06246E-05	1.22911489	2.0677971184	0.033766687	0.000219524	4.094958305	0.001216528	0.010355964	0.000267378	0.00018493	6.35898E-05	0.0833559599	2.12493E-06	6.35111E-05	0.000580466	0.00187805	0
2042 Jun	0.113847017	1.03353E-05	1.162787795	1.922475815	0.031155119	0.000197437	3.81938839	0.001168367	0.009979815	0.000245094	0.000188874	6.00494E-05	0.077632569	2.06707E-06	6.04699E-05	0.00056546	0.001877432	0
2042 Jul	0.108664565	1.01755E-05	1.110883355	1.801523089	0.02837061	0.000185256	3.62317276	0.001129298	0.009732955	0.000222452	0.000186307	5.69905E-05	0.072911672	2.03511E-06	5.83347E-05	0.000534846	0.00185386	0
2042 Aug	0.103923768	1.00048E-05	1.088194966	1.741323471	0.026112605	0.000202748	3.581856251	0.00109766	0.009477915	0.000200996	0.000168164	5.55439E-05	0.0709555	2.00096E-06	5.74759E-05	0.000481409	0.001753799	0
2042 Sep	0.101545528	9.95182E-06	1.083751678	1.721975446	0.024871338	0.000221013	3.592066765	0.001085336	0.009411561	0.000187531	0.000157344	5.4919E-05	0.070473485	1.99036E-06	5.78707E-05	0.000453316	0.001701063	0
2042 Oct	0.100567386	9.88275E-06	1.07762444	1.713074327	0.024171816	0.000231737	3.590962172	0.001074721	0.009415722	0.000180467	0.000151554	5.40214E-05	0.070106305	1.97655E-06	5.84503E-05	0.000441377	0.001668704	0
2042 Nov	0.10084229	9.91089E-06	1.080751657	1.718080759	0.024218531	0.000232912	3.602188349	0.001077653	0.009445451	0.000180739	0.000151789	5.41535E-05	0.070311062	1.98218E-06	5.86579E-05	0.000442265	0.001672593	0
2042 Dec	0.100871116	9.91387E-06	1.081083059	1.718611956	0.02422305	0.000233045	3.603393078	0.00107796	0.009448646	0.000180763	0.00015181	5.41671E-05	0.070332788	1.98277E-06	5.86806E-05	0.000442352	0.001672988	0
2043 Jan	0.100885138	9.91424E-06	1.081212759	1.718926072	0.024229975	0.000233078	3.603913546	0.001078053	0.009449297	0.000180789	0.00015181	5.41711E-05	0.07034488	1.98285E-06	5.86861E-05	0.000442416	0.001673009	0
2043 Feb	0.100901961	9.91447E-06	1.081354856	1.719296336	0.024239939	0.000233087	3.604461432	0.001078157	0.009449748	0.000180834	0.000151818	5.41763E-05	0.070359014	1.98289E-06	5.86896E-05	0.000442513	0.001673041	0
2043 Mar	0.100928299	9.91628E-06	1.081616402	1.719790816	0.0242495	0.000233131	3.605373144	0.001078397	0.009451602	0.000180889	0.000151848	5.41883E-05	0.070378684	1.98326E-06	5.87015E-05	0.000442641	0.001673342	0
2043 Apr	0.101333901	9.95569E-06	1.08595109	1.726728201	0.024348797	0.000234058	3.619845152	0.001082707	0.009489234	0.00018162	0.000152452	5.44049E-05	0.070662268	1.99114E-06	5.89354E-05	0.000444426	0.00167999	0
2043 May	0.10472066	1.01151E-05	1.117152929	1.793693066	0.025903275	0.000237294	3.730768204	0.001109731	0.009667918	0.000195046	0.000155938	5.63004E-05	0.073273182	2.02301E-06	6.00939E-05	0.000463152	0.001708752	0
2043 Jun	0.118238606	9.86361E-06	1.209986925	2.096739054	0.036146265	0.00021553	4.077225685	0.001171938	0.009652616	0.000288975	0.000168623	6.42074E-05	0.084434688	1.97272E-06	6.00137E-05	0.000571836	0.001717804	0
2043 Jul	0.120444603	1.01942E-05	1.232243657	2.118651628	0.036064275	0.000218624	4.144158363	0.001199295	0.009933211	0.000288304	0.000173512	6.51519E-05	0.085384697	2.03885E-06	6.14327E-05	0.000577021	0.00177315	0
2043 Aug	0.122816809	1.05105E-05	1.265433908	2.16444087	0.03634325	0.000231425	4.263145447	0.001230145	0.010204497	0.000289163	0.000174283	6.67596E-05	0.087403029	2.10209E-06	6.3292E-05	0.000578772	0.001807848	0
2043 Sep	0.121615447	1.05275E-05	1.264140844	2.15156436	0.035546709	0.000240995	4.26832056	0.001226288	0.010202162	0.000280733	0.000169561	6.64354E-05	0.087064549	2.1055E-06	6.36362E-05	0.000564143	0.001789665	0
2043 Oct	0.119921908	1.0466E-05	1.253519058	2.128771544	0.034230951	0.000255731	4.255040646	0.001211594	0.010225131	0.000267784	0.000162129	6.49921E-05	0.086176574	2.09319E-06	6.44766E-05	0.000545372	0.001752037	0
2043 Nov	0.118317783	1.04008E-05	1.242889881	2.106598616	0.03305148	0.000268217	4.238704205	0.001197481	0.010233453	0.000256254	0.000155502	6.36671E-05	0.085309073	2.08015E-06	6.51321E-05	0.000528481	0.001717429	0
2043 Dec	0.11834126	1.04036E-05	1.243197441	2.107079029	0.03305088	0.000268428	4.239947796	0.001197739	0.010236924	0.000256226	0.000155488	6.36752E-05	0.08532884	2.08071E-06	6.51601E-05	0.00052849	0.00171766	0
2044 Jan	0.118365906	1.04043E-05	1.243428111	2.107621908	0.033062577	0.000268486	4.240861893	0.001197911	0.010238156	0.000256268	0.000155491	6.36823E-05	0.085349806	2.08087E-06	6.51702E-05	0.000528603	0.001717723	0
2044 Feb	0.118430927	1.04079E-05	1.244051099	2.108900547	0.033089835	0.000268581	4.243093491	0.001198454	0.010242044	0.000256421	0.000155552	6.37104E-05	0.085400097	2.08158E-06	6.51959E-05	0.000528931	0.001718302	0
2044 Mar	0.118528761	1.04153E-05	1.245046377	2.110708237	0.0331221	0.000268774	4.246545792	0.001199382	0.010249563	0.00025664	0.000155667	6.37594E-05	0.085472494	2.08307E-06	6.52444E-05	0.000529388	0.001719524	0
2044 Apr	0.11874637	1.04338E-05	1.247314095	2.114619732	0.033185653	0.000269252	4.254312515	0.001201549	0.010267857	0.000257115	0.000155945	6.38744E-05	0.085630439	2.08676E-06	6.53611E-05	0.000530371	0.001722571	0
2044 May	0.120436795	1.05668E-05	1.264583468	2.145477772	0.033726089	0.000272596	4.313735962	0.00121784	0.010401256	0.000261449	0.000158053	6.47911E-05	0.086868726	2.11337E-06	6.6213E-05	0.000538318	0.001744788	0
2044 Jun	0.112866282	1.0017E-05	1.173499227	1.973123074	0.031797811	0.000227617	3.930964947	0.001150571	0.009768075	0.000247735	0.000167323	6.06194E-05	0.079819299	2.0034E-06	6.09285E-05	0.000537529	0.001741556	0
2044 Jul	0.113313623	1.02507E-05	1.178569674	1.959612846	0.031263597	0.000223809	3.919865847	0.001165868	0.009939286	0.000242665	0.000175162	6.07123E-05	0.079359211	2.05014E-06	6.15333E-05	0.000545342	0.001804996	0
2044 Aug	0.118714534	1.07784E-05	1.237938523	2.054682493	0.032603618	0.00023756	4.120759964	0.001223847	0.010437176	0.000252588	0.000182357	6.37303E-05	0.083271816	2.15568E-06	6.46809E-05	0.000567461	0.001889609	0
2044 Sep	0.114615403	1.05904E-05	1.213870764	2.000491858	0.030655188	0.000252648	4.06537056	0.001193441	0.010252903	0.000233611	0.000169197	6.19168E-05	0.081351914	2.11808E-06	6.43146E-05	0.000530242	0.001813294	0
2044 Oct	0.113151394	1.05062E-05	1.20358336	1.981897712	0.029656686	0.000263983	4.051309109	0.00117902	0.01024189	0.00022393	0.000162427	6.07076E-05	0.080610819	2.10123E-06	6.48223E-05	0.000514239	0.001775304	0
2044 Nov	0.113100387	1.05123E-05	1.20415175	1.982486129	0.02951408	0.000266965	4.057546139	0.001178664	0.010262816	0.000222403	0.000161373	6.05911E-05	0.080637947	2.10246E-06	6.50761E-05	0.000512042	0.001771347	0
2044 Dec	0.113124005	1.05148E-05	1.204432368	1.982938766	0.029516866	0.000267102	4.05860424	0.001178915	0.010265627	0.000222412	0.000161381	6.06015E-05	0.080656439	2.10295E-06	6.50971E-05	0.000512098	0.001771634	0
2045 Jan	0.113135315	1.05147E-05	1.204529285	1.983216763	0.029523646	0.000267128	4.059030056	0.00117897	0.010265916	0.000222432	0.000161373	6.06033E-05	0.080666952	2.10294E-06	6.51005E-05	0.000512149	0.001771576	0
2045 Feb	0.113152958	1.05147E-05	1.204672098	1.983616471	0.029535001	0.000267131	4.059594154	0.001179067	0.010266211	0.00022248	0.000161379	6.0608E-05	0.080682084	2.10295E-06	6.51031E-05	0.000512253	0.001771572	0
2045 Mar	0.113219082	1.052E-05	1.205351591	1.984825134	0.029555945	0.000267266	4.061928749	0.001179709	0.010271498	0.000222617	0.000161462	6.06409E-05	0.080730624	2.104E-06	6.5137E-05	0.000512566	0.001772454	0
2045 Apr	0.113428511	1.0539E-05	1.207567334	1.988524795	0.029612718	0.000267749	4.069420815	0.001181864	0.010290091	0.000223033	0.000161755	6.07516E-05	0.080880761	2.10779E-06	6.52551E-05	0.000513522	0.001775645	0
2045 May	0.114768937	1.06633E-05	1.221831441	2.012035608	0.029963566	0.000270908	4.117500305	0.001195819	0.010411518	0.000225672	0.000163664	6.14691E-05	0.081836879	2.13266E-06	6.60253E-05	0.000519594	0.001796592	0
2045 Jun	0.107431971	1.03574E-05	1.141977191	1.836595893	0.026977615	0.000237837	3.777463675	0.001141572	0.009987374	0.000201442	0.000171533	5.73007E-05	0.074850813	2.07147E-06	6.21739E-05	0.000506779	0.001813224	0
2045 Jul	0.106211662	1.0474E-05	1.127189279	1.785090327	0.025902171	0.000225606	3.688596725	0.001141284	0.010021298	0.000192589	0.000179744	5.64397E-05	0.072847508	2.0948E-06	6.16483E-05	0.000509956	0.001867641	0
2045 Aug	0.109251462	1.08134E-05	1.163175344	1.838758826	0.02648605	0.00023578	3.811840773	0.001176368	0.010330322	0.000196394	0.000183178	5.82136E-05	0.075109556	2.16268E-06	6.36341E-05	0.000519429	0.001916877	0
2045 Sep	0.108720616	1.08223E-05	1.165300608	1.838666558	0.026044564	0.000245206	3.832602739	0.001174601	0.010347022	0.000191423	0.000178677	5.80755E-05	0.07520818	2.16447E-06	6.41209E-05	0.000508799	0.001897669	0
2045 Oct	0.109154776	1.08712E-05	1.17102325	1.848019361	0.026034923	0.00024942	3.856605053	0.001179156	0.010410636	0.000190908	0.000178217	5.82182E-05	0.075590342	2.17423E-06	6.46525E-05	0.00050871	0.001900571	0
2045 Nov	0.109365717	1.08923E-05	1.173317671	1.851649523	0.026081905	0.000249997	3.864313126	0.00118143	0.010431409	0.00019124	0.000178527	5.83281E-05	0.075738825	2.17847E-06	6.47855E-05	0.000509631	0.001904106	0
2045 Dec	0.109409787	1.08968E-05	1.173807502	1.85242784	0.026090598	0.000250149	3.866009712	0.001181904	0.010435969	0.000191296	0.00017858	5.83502E-05	0.075770661	2.17936E-06	6.4816E-05	0.000509803	0.001904799	0
2046 Jan	0.109424658	1.08975E-05	1.173951149	1.852738976	0.026096895	0.000250184	3.866556406	0.00118202	0.010436852	0.000191324	0.000178586	5.83555E-05	0.075782806	2.1795E-06	6.48226E-05	0.00050987	0.001904883	0

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.109444961	1.08984E-05	1.1741395	1.853148341	0.026106302	0.000250207	3.867238522	0.001182179	0.0104379	0.000191371	0.000178604	5.83634E-05	0.075798772	2.17968E-06	6.48296E-05	0.000509978	0.001905035	0
2046 Mar	0.109550163	1.09083E-05	1.17525208	1.854965687	0.026133889	0.000250435	3.870936871	0.001183283	0.010447449	0.000191562	0.000178767	5.8418E-05	0.075872682	2.18166E-06	6.48892E-05	0.000510475	0.001906755	0
2046 Apr	0.109982751	1.0951E-05	1.179883718	1.862310886	0.026238509	0.000251417	3.886211157	0.001187936	0.010488426	0.000192322	0.000179468	5.86477E-05	0.076172873	2.1902E-06	6.51439E-05	0.000512495	0.001914221	0
2046 May	0.111755446	1.10864E-05	1.197712183	1.894551754	0.026834397	0.000254424	3.946800709	0.001204874	0.01062412	0.000197156	0.000181895	5.96133E-05	0.077461891	2.21727E-06	6.5998E-05	0.000521453	0.001938121	0
2046 Jun	0.104404807	1.05058E-05	1.109900951	1.733961821	0.024965972	0.000215062	3.594145775	0.001135646	0.009982316	0.000184157	0.000186392	5.55412E-05	0.070882544	2.10117E-06	6.09002E-05	0.000512779	0.001907221	0
2046 Jul	0.097979777	1.01372E-05	1.038261056	1.588603854	0.022396835	0.000190521	3.318815708	0.001079379	0.009539943	0.00016452	0.000185724	5.17814E-05	0.065053828	2.02743E-06	5.73008E-05	0.00048786	0.001871857	0
2046 Aug	0.100535616	1.04453E-05	1.070141196	1.634206414	0.022787189	0.000200686	3.430168152	0.00111009	0.009812376	0.000166744	0.000187824	5.33358E-05	0.067010805	2.08906E-06	5.90708E-05	0.00049309	0.001911709	0
2046 Sep	0.098204792	1.02973E-05	1.060241938	1.616001844	0.021738369	0.000217	3.429495335	0.001090624	0.00969786	0.000155881	0.000175656	5.2392E-05	0.066445634	2.05945E-06	5.91954E-05	0.000465442	0.001841477	0
2046 Oct	0.097100995	1.01884E-05	1.05380404	1.610836506	0.020956028	0.000232393	3.439828873	0.001076275	0.009694359	0.000147934	0.000166633	5.13202E-05	0.066212624	2.03767E-06	5.99736E-05	0.000448387	0.00178949	0
2046 Nov	0.097124666	1.01919E-05	1.05489707	1.613212585	0.020879038	0.000235171	3.448126316	0.001076219	0.009712822	0.000147025	0.000165598	5.1259E-05	0.06630718	2.03838E-06	6.02085E-05	0.000446692	0.001785152	0
2046 Dec	0.09716478	1.01961E-05	1.05535686	1.613936186	0.020885294	0.000235347	3.449765682	0.001076654	0.009717298	0.000147058	0.000165636	5.12781E-05	0.066336825	2.03923E-06	6.02397E-05	0.000446824	0.001785751	0
2047 Jan	0.097182587	1.01966E-05	1.055521846	1.61433351	0.020894045	0.000235388	3.450427294	0.001076773	0.009718121	0.000147093	0.000165636	5.12835E-05	0.066352144	2.03932E-06	6.02466E-05	0.000446905	0.001785779	0
2047 Feb	0.097210869	1.01977E-05	1.055779576	1.614914536	0.020907886	0.000235417	3.451372147	0.001076985	0.009719439	0.00014716	0.000165658	5.1294E-05	0.066374697	2.03954E-06	6.02556E-05	0.000447057	0.001785957	0
2047 Mar	0.097374208	1.02138E-05	1.05752635	1.617688775	0.020947257	0.000235791	3.457138777	0.00107874	0.009734944	0.000147421	0.000165922	5.13777E-05	0.06648799	2.04276E-06	6.03522E-05	0.00044782	0.001788771	0
2047 Apr	0.097573273	1.02341E-05	1.059672952	1.621030569	0.020992501	0.00023626	3.464188099	0.001080913	0.009754376	0.000147729	0.000166253	5.14814E-05	0.066624932	2.04682E-06	6.04729E-05	0.000448743	0.001792321	0
2047 May	0.101920366	1.02953E-05	1.095882416	1.714997172	0.023597417	0.000236838	3.601845741	0.001108067	0.009867122	0.000171056	0.00016914	5.40031E-05	0.070211202	2.05942E-06	6.13511E-05	0.000475254	0.001805048	3.86809E-08
2047 Jun	0.118044153	9.93646E-06	1.216784596	2.093478441	0.035975244	0.000219066	4.117864609	0.001181377	0.009788832	0.000284521	0.00017775	6.39713E-05	0.084547997	1.99836E-06	6.3355E-05	0.000591147	0.00177122	1.17349E-06
2047 Jul	0.121976435	1.03697E-05	1.260507584	2.154748678	0.03680459	0.000225935	4.269587517	0.001227182	0.010185774	0.000290522	0.000186609	6.61236E-05	0.08717481	2.08902E-06	6.64617E-05	0.000611352	0.001854104	1.5986E-06
2047 Aug	0.125546202	1.07443E-05	1.305259824	2.222480059	0.037659567	0.000238578	4.436962605	0.00126875	0.010529982	0.000296221	0.000190664	6.83706E-05	0.090104312	2.16725E-06	6.94167E-05	0.000623611	0.001908182	1.94976E-06
2047 Sep	0.122391418	1.06429E-05	1.292238116	2.181665182	0.036019303	0.000252778	4.435779572	0.001249598	0.010423086	0.000279896	0.000181227	6.71279E-05	0.088859439	2.15298E-06	7.06E-05	0.000593795	0.001855091	2.58699E-06
2047 Oct	0.12007232	1.05201E-05	1.277315855	2.149019718	0.034630843	0.00026516	4.422687531	0.001229678	0.010371755	0.000266597	0.000173365	6.55475E-05	0.087688655	2.13244E-06	7.17214E-05	0.000572125	0.001807327	3.01199E-06
2047 Nov	0.119704545	1.05085E-05	1.27587688	2.144690275	0.034340139	0.000268826	4.427462101	0.001226879	0.010378146	0.000263691	0.000171674	6.52652E-05	0.087552413	2.13116E-06	7.2137E-05	0.00056765	0.001798494	3.1231E-06
2047 Dec	0.11974515	1.05125E-05	1.276397586	2.145490885	0.034348186	0.000269024	4.429657936	0.001227335	0.01038251	0.000263737	0.000171712	6.5287E-05	0.087587275	2.13205E-06	7.2185E-05	0.000567786	0.001799038	3.13168E-06
2048 Jan	0.1197749	1.05142E-05	1.276710629	2.146112204	0.034360237	0.0002691	4.430930138	0.00122759	0.010384441	0.000263793	0.000171732	6.52994E-05	0.087612487	2.13241E-06	7.22049E-05	0.000567923	0.001799257	3.13469E-06
2048 Feb	0.11982467	1.0517E-05	1.277196407	2.147092342	0.034381043	0.000269175	4.432698727	0.001228014	0.010387477	0.000263911	0.000171782	6.53214E-05	0.08765135	2.13297E-06	7.22271E-05	0.000568179	0.001799724	3.13579E-06
2048 Mar	0.119839884	1.05174E-05	1.277334571	2.147412777	0.034388937	0.000269189	4.433222294	0.001228124	0.010388105	0.000263948	0.000171793	6.5327E-05	0.087663814	2.13307E-06	7.22321E-05	0.000568262	0.0017998	3.13608E-06
2048 Apr	0.120239906	1.05495E-05	1.281518698	2.154756546	0.034516383	0.000270019	4.447938442	0.001232061	0.010420316	0.000264845	0.000172327	6.55355E-05	0.087961644	2.13959E-06	7.24601E-05	0.000570198	0.001805266	3.14713E-06
2048 May	0.121868588	1.06908E-05	1.29883647	2.184032679	0.034990445	0.000273641	4.508146286	0.001248667	0.010560194	0.000268445	0.000174641	6.64188E-05	0.089155763	2.16827E-06	7.3435E-05	0.000577943	0.001829442	3.19012E-06
2048 Jun	0.110674232	1.02268E-05	1.188848734	1.932234526	0.030278439	0.000235896	4.089316368	0.001168051	0.009935195	0.000229177	0.000180789	6.03852E-05	0.07944978	2.08443E-06	6.99877E-05	0.000545576	0.001822593	4.14133E-06
2048 Jul	0.103715934	1.00345E-05	1.121357083	1.764164567	0.026826136	0.000211809	3.839023829	0.001121709	0.009605827	0.000200816	0.000185342	5.65243E-05	0.073068559	2.05418E-06	6.84925E-05	0.000519701	0.00182982	5.01194E-06
2048 Aug	0.104574099	1.02335E-05	1.143829226	1.787802935	0.02661624	0.000225078	3.944024563	0.001139308	0.009754001	0.000197526	0.000182447	5.75305E-05	0.074344769	2.09803E-06	7.04953E-05	0.000509883	0.001834038	5.44104E-06
2048 Sep	0.103178948	1.01964E-05	1.142991662	1.77872479	0.025807127	0.000238669	3.973154306	0.001131739	0.009727967	0.000188794	0.000175022	5.7101E-05	0.07421457	2.09348E-06	7.15056E-05	0.000491055	0.001796074	5.74591E-06
2048 Oct	0.101922996	1.01013E-05	1.135268331	1.766447425	0.02500991	0.000250046	3.975499868	0.00111841	0.00970813	0.000180932	0.000168139	5.60907E-05	0.073755033	2.07594E-06	7.22714E-05	0.000476077	0.001755166	5.9017E-06
2048 Nov	0.10181585	1.01015E-05	1.136183262	1.767987132	0.024796918	0.00025515	3.988479376	0.00111727	0.009735329	0.000178618	0.00016612	5.59009E-05	0.073830023	2.0764E-06	7.27478E-05	0.000472132	0.001746026	5.94591E-06
2048 Dec	0.101848431	1.01049E-05	1.136588693	1.768616199	0.024801604	0.000255328	3.990098476	0.001117631	0.009739109	0.000178637	0.000166141	5.59167E-05	0.073856644	2.07711E-06	7.27822E-05	0.000472222	0.001746456	5.94935E-06
2049 Jan	0.10186924	1.01056E-05	1.136785626	1.769078255	0.024811624	0.000255377	3.990895033	0.001117775	0.00974012	0.000178677	0.000166143	5.59231E-05	0.0738746	2.07724E-06	7.27913E-05	0.000472316	0.001746502	5.94975E-06
2049 Feb	0.101894595	1.0106E-05	1.137005568	1.769629002	0.024826052	0.000255393	3.991743565	0.001117939	0.009740911	0.000178742	0.000166156	5.59314E-05	0.073895775	2.07735E-06	7.27977E-05	0.000472459	0.001746573	5.95003E-06
2049 Mar	0.101966538	1.01121E-05	1.13777411	1.770938754	0.024848081	0.000255548	3.994482994	0.001118667	0.0097469	0.00017888	0.000166258	5.59678E-05	0.073949479	2.07858E-06	7.28427E-05	0.000472806	0.001747609	5.95358E-06
2049 Apr	0.102289498	1.01435E-05	1.141358256	1.776582241	0.024929352	0.000256343	4.007090092	0.001122175	0.009777264	0.000179453	0.000166776	5.61433E-05	0.074184567	2.08504E-06	7.30698E-05	0.000474311	0.001753031	5.97206E-06
2049 May	0.103923604	1.02744E-05	1.158608556	1.806541443	0.025458528	0.000259572	4.06883049	0.001138406	0.009907968	0.00018364	0.000169102	5.70535E-05	0.075409383	2.11204E-06	7.40663E-05	0.00048244	0.001775879	6.05818E-06
2049 Jun	0.09717115	9.85889E-06	1.078647971	1.646429658	0.02338209	0.000220057	3.730834484	0.001081692	0.009390505	0.000168433	0.000177658	5.33037E-05	0.068927787	2.02925E-06	6.95894E-05	0.000477877	0.001781807	6.09186E-06
2049 Jul	0.094480559	9.7918E-06	1.048398376	1.572974324	0.021958338	0.000206039	3.61140871	0.001062485	0.009251776	0.000157671	0.000180383	5.16732E-05	0.066068992	2.01798E-06	6.84729E-05	0.000467513	0.0017893	6.3199E-06
2049 Aug	0.098551266	1.02389E-05	1.096502781	1.642619133	0.022765696	0.000217873	3.786724329	0.001109623	0.009662667	0.000163181	0.000186381	5.40133E-05	0.069067948	2.11097E-06	7.17544E-05	0.000482334	0.001859575	6.69707E-06
2049 Sep	0.097467721	1.0188E-05	1.096510172	1.640876055	0.022067664	0.000233376	3.819464207	0.001101575	0.009654956	0.000155479	0.000177964	5.35326E-05	0.069142804	2.10224E-06	7.27134E-05	0.000464186	0.001815692	6.85154E-06
2049 Oct	0.096464567	1.00935E-05	1.091123104	1.636096358	0.021366358	0.0002471	3.831125021	0.001089085	0.009650874	0.000148328	0.000169998	5.26046E-05	0.068946704	2.08376E-06	7.34817E-05	0.00044887	0.001769818	6.89681E-06
2049 Nov	0.096512802	1.01005E-05	1.092876434	1.639136553	0.021297226	0.000250063	3.843478203	0.001089534	0.00967226	0.000147447	0.000169048	5.2574E-05	0.069082744	2.08564E-06	7.38341E-05	0.000447288	0.001766042	6.94727E-06
2049 Dec	0.096551955	1.01047E-05	1.093377233	1.639884591	0.021303596	0.000250259	3.845534086	0.001089984	0.009676711	0.000147478	0.000169087	5.25944E-05	0.069115244	2.08654E-06	7.38796E-05	0.000447415	0.001766616	6.95439E-06
2050 Jan	0.096576855	1.01058E-05	1.0936234	1.640411019	0.021314261	0.000250319	3.846500874	0.001090179	0.009678184	0.000147525	0.000169098	5.26035E-05	0.069136016	2.08678E-06	7.38923E-05	0.000447528	0.001766755	6.95522E-06
2050 Feb	0.096600212	1.01062E-05	1.09382534	1.640918732	0.021327592	0.000250334	3.847277164	0.001090331	0.009678906	0.000147585	0.00016911	5.26112E-05	0.069155514	2.08687E-06	7.3898E-05	0.000447659	0.001766819	6.95539E-06
2050 Mar	0.096621834	1.01074E-05	1.094036102	1.641346693	0.021336824	0.000250365	3.848054886	0.001090513	0.009680189	0.000147632	0.000169132	5.26202E-05	0.069172524	2.08711E-06	7.39079E-05	0.000447772	0.001767016	6.95612E-06
2050 Apr	0.096850023	1.01307E-05	1.096600413	1.645257473	0.021389753	0.000250942	3.857094765	0.001093054	0.009702547	0.000147989	0.000169522	5.27429E-05	0.069336742	2.09191E-06	7.40786E-05	0.000448837	0.001771076	6.97208E-06
2050 May	0.098117582	1.02405E-05	1.110198021	1.667954087	0.021764969	0.000253605	3.905482054	0.001106092	0.009810826	0.000150887	0.000171467	5.34418E-05	0.070271499	2.11458E-06	7.49045E-05	0.000455077	0.001790393	7.04657E-06
2050 Jun	0.098533124	9.95669E-06	1.092874289	1.669337869	0.023692906	0.000223667	3.802848577	0.001094116	0.009519496	0.000170978	0.000179907	5.38161E-05	0.069924414	2.05423E-06	7.15377E-05	0.000484494	0.001799178	6.66675E-06
2050 Jul	0.09459208	9.75898E-06	1.046949506	1.573363662	0.021869918	0.000207058	3.626425505	0.001058949	0.009249719	0.000157737	0.00017835	5.14266E-05	0.066072077	2.01384E-06	6.89756E-05	0.000463086	0.00177364	6.57629E-06
2050 Aug	0.09710741	1.00395E-05	1.075721622	1.613745689	0.022210481	0.000214582	3.738236904	0.001086706	0.009501363	0.000160393	0.000180455	5.2787E-05	0.067826487	2.07244E-06	7.09897E-05	0.00046697	0.001808458	6.84087E-06
2050 Sep	0.096687004	1.00507E-05	1.080578089	1.619167447	0.02179575	0.000226826	3.775979996	0.001085888	0.009532697	0.00015535	0.000175052	5.27187E-05	0.068170674	2.07547E-06	7.18555E-05	0.000455453	0.001784917	6.92475E-06
2050 Oct	0.097262628	1.01135E-05	1.088467836	1.631738663	0.021814872	0.000232015	3.810568571	0.001092148	0.009612306	0.000154958	0.000174666	5.29476E-05	0.068701826	2.08866E-06	7.26422E-05	0.000455734	0.001789306	6.9918E-06
2050 Nov	0.097555205	1.01441E-05	1.091881156	1.636799097	0.021878345	0.000232853	3.823218822	0.001095481	0.009641937	0.000155388	0.000175162	5.31086E-05	0.068918526	2.09512E-06	7.28986E-05	0.000457041	0.001794525	7.02741E-06
2050 Dec	0.097591586	1.01479E-05	1.092321157	1.637460232	0.021885017	0.000232999	3.824920893	0.001095892	0.009645872	0.000155427	0.000175208	5.31277E-05	0.068946823	2.09593E-06	7.29344E-05	0.000457177	0.001795105	7.03206E-06
2051 Jan	0.09759587	1.01477E-05	1.092979431	1.638099074	0.021892224	0.000233178	3.828709126	0.001096155	0.009646253	0.000155442	0.000175258	5.31558E-05	0.06898091	2.09623E-06	7.30884E-05	0.000457209	0.001795123	7.13408E-06
2051 Feb	0.097607896	1.01478E-05	1.093373299	1.638606668	0.021901332	0.000233262	3.830791473	0.001096346	0.009646736	0.000155477	0.000175291	5.31726E-05	0.069004871	2.09642E-06	7.31625E-05	0.000457285	0.001795184	7.18201E-06
2051 Mar	0.097652197	1.01518E-05	1.093850136	1.639389396	0.021913974	0.000233354	3.832487822	0.001096807	0.009650585	0.000155556	0.00017536	5.3195E-05	0.069037229	2.09723E-06	7.31919E-05	0.0004575	0.001795876	7.18481E-06
2051 Apr	0.097983316	1.01858E-05	1.097548127	1.644970655	0.021989822	0.000234138	3.845458746	0.001100505	0.009683007	0.000156088	0.000175949	5.33744E-05	0.069271907	2.10427E-06	7.34379E-05	0.000459055	0.001801896	7.20892E-06
2051 May	0.100540936	1.03058E-05	1.123717427	1.697665811	0.023187222	0.000237272	3.946190596	0.001122021	0.009819013	0.000166315	0.000178863	5.49238E-05	0.071380623	2.13022E-06	7.49875E-05	0.000473355	0.00182396	7.62964E-06
2051 Jun	0.102911167	9.53691E-06	1.185207009	1.835816622	0.028978456	0.000217554	4.317308426	0.001126343	0.009222453	0.000219718	0.000189753	6.0202E-05	0.077162065	2.01251E-06	8.82258E-05	0.0005267	0.001763413	1.94216E-05
2051 Jul	0.100770421	9.5631E-06	1.193637729	1.800736308	0.027742937	0.000218369	4.390942097	0.001127716	0.009204797	0.000208135	0.000195375	6.02283E-05	0.076266751	2.03319E-06	9.4774E-05	0.000519135	0.001787634	2.41566E-05
2051 Aug	0.101027511	9.72031E-06	1.203767896	1.808334708	0.027191354	0.000229919	4.435045719	0.001136269	0.009305828	0.000202466	0.000189764	6.06008E-05	0.076759756	2.06309E-06	9.47619E-05	0.000502767	0.001777286	2.35355E-05
2051 Sep	0.098211102	9.55679E-06	1.196601391	1.785398006	0.025640825	0.000252193	4.465553761	0.001114657	0.009233345	0.000186705	0.00017735	5.92863E-05	0.076053955	2.03399E-06	9.74934E-05	0.000471626	0.001703345	2.50086E-05
2051 Oct	0.092637628	9.1442E-06	1.189673305	1.746707797	0.022672506	0.000297189	4.589686871	0.001070293	0.009089436	0.000156784	0.000155385	5.66893E-05	0.074956387	1.96687E-06	0.000107044	0.000415122	0.001554797	3.06903E-05
2051 Nov	0.09254846	9.14914E-06	1.19299531	1.750186563	0.022469049	0.000302917	4.614059925	0.001070379	0.009121298	0.000154452	0.000153657	5.66134E-05	0.075135268	1.96897E-06	0.000108044	0.00041133	0.00154697	3.10731E-05
2051 Dec	0.09258195	9.15264E-06	1.193416595	1.750837326	0.022473983	0.000303098	4.615723133	0.00107075	0.009125158	0.000154474	0.00015368	5.663E-05	0.075162649	1.9697E-06	0.00010808	0.000411425	0.001547415	3.1078E-05
2052 Jan	0.092600606	9.15312E-06	1.193575144	1.75124383	0.022483289	0.000303134	4.616338253	0.001070868	0.009125974	0.000154511	0.00015368	5.66348E-05	0.075178131	1.96979E-06	0.000108084	0.000411511	0.00154744	3.10757E-05
2052 Feb	0.092638373	9.1549E-06	1.19395411	1.752023578	0.022500491	0.000303192	4.61779213	0.001071179	0.009128033	0.000154596	0.000153714	5.66508E-05	0.075209163	1.97016E-06	0.000108104	0.000411708	0.00154773	3.10797E-05
2052 Mar	0.092730351	9.16293E-06	1.195081115	1.753798604	0.022527184	0.000303457	4.622144699	0.001072175	0.009136195	0.000154762	0.000153852	5.67031E-05	0.075284034	1.97189E-06	0.000108199	0.000412133	0.001549083	3.11059E-05
2052 Apr	0.09291067	9.18016E-06	1.197372437	1.757228613	0.022573411	0.000304027	4.631002903	0.001074221	0.00915346	0.00015507	0.000154142	5.68113E-05	0.075430542	1.97559E-06	0.000108402	0.000412943	0.001551992	3.11638E-05
2052 May	0.097450517	9.26872E-06	1.232872725	1.851194501	0.025200583	0.000303671	4.757352352	0.001102913	0.009284647	0.000178638	0.000157523	5.93308E-05	0.078984447	1.99213E-06	0.000108664	0.000440788	0.001570712	3.07423E-05
2052 Jun	0.107751831	9.25375E-06	1.314848423	2.073871374	0.032526825	0.000286117	5.054341793	0.001163653	0.009357447	0.000245756	0.00017161	6.59692E-05	0.087409921	1.99129E-06	0.000110615	0.000521851	0.001614716	3.19885E-05
2052 Jul	0.108520977	9.47751E-06	1.325567484	2.069355488	0.031815641	0.000287387	5.101162434	0.001177117	0.009514747	0.000240731	0.000172724	6.62748E-05	0.087392934	2.03862E-06	0.000112308	0.000512325	0.001638516	3.27213E-05
2052 Aug	0.10977935	9.68119E-06	1.345137596	2.092062473	0.031757645	0.000295739	5.178230762	0.001195047	0.009678428	0.000239533	0.000172201	6.71713E-05	0.088468939	2.0804E-06	0.000113668	0.000508572	0.001655056	3.28788E-05
2052 Sep	0.108277969	9.6625E-06	1.342926264	2.076616287	0.030795308	0.00030752	5.189710617	0.001187857	0.009669502	0.000229552	0.000166625	6.66164E-05	0.088029921	2.07758E-06	0.000114828	0.000491788	0.001628672	3.33624E-05
2052 Oct	0.107653886	9.64853E-06	1.349810123	2.076952457	0.030317662	0.000316964	5.24501276	0.001186945	0.009694844	0.000224311	0.000164551	6.65346E-05	0.088211074	2.07945E-06	0.000117805	0.000484275	0.001615689	3.49934E-05
2052 Nov	0.107910924	9.67248E-06	1.353613019	2.082380772	0.030385651	0.000318021	5.260862827	0.00119002	0.009719811	0.000224772	0.000164953	6.67127E-05	0.088448852	2.08485E-06	0.000118232	0.000485347	0.001619539	3.51599E-05
2052 Dec	0.107947856	9.67607E-06	1.354073763	2.083098412	0.03039323	0.000318183	5.262668133	0.001190424	0.009723657	0.000224819	0.000164989	6.67327E-05	0.088479064	2.0856E-06	0.000118271	0.000485475	0.001620042	3.51675E-05

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.107969925	9.67729E-06	1.354300499	2.083553314	0.030401969	0.000318238	5.263545036	0.001190611	0.009725106	0.00022486	0.000165004	6.67417E-05	0.088497207	2.08586E-06	0.000118284	0.000485576	0.001620209	3.5169E-05
2053 Feb	0.10801743	9.6804E-06	1.354829669	2.084507227	0.030420063	0.000318339	5.265589237	0.001191059	0.009728418	0.000224967	0.00016506	6.67661E-05	0.088536233	2.08652E-06	0.000118321	0.000485808	0.001620723	3.51788E-05
2053 Mar	0.108150326	9.69168E-06	1.356460094	2.087091923	0.030460062	0.000318709	5.27191925	0.001192483	0.009739858	0.000225248	0.000165254	6.68456E-05	0.088645212	2.08895E-06	0.000118459	0.000486416	0.001622609	3.52189E-05
2053 Apr	0.108546741	9.72684E-06	1.361411333	2.094753504	0.030573186	0.000319865	5.291158199	0.001196831	0.009775257	0.000226076	0.000165854	6.7089E-05	0.088970155	2.09653E-06	0.000118889	0.000488205	0.001628494	3.53463E-05
2053 May	0.117134012	9.73889E-06	1.44911027	2.300585747	0.036414187	0.000320753	5.658101559	0.001253484	0.00990645	0.000278152	0.000174044	7.3135E-05	0.09708149	2.10788E-06	0.000125007	0.000546372	0.001646331	3.86449E-05
2053 Jun	0.127000645	9.25579E-06	1.525228977	2.547842741	0.045590062	0.000293422	5.963608742	0.001292084	0.009597682	0.000363153	0.000185451	8.03236E-05	0.106333211	2.01403E-06	0.000127562	0.000637232	0.001621303	4.15704E-05
2053 Jul	0.128372833	9.51267E-06	1.556045413	2.571048975	0.045573995	0.000298967	6.089741707	0.001319591	0.009818526	0.000361785	0.000192825	8.16694E-05	0.107597917	2.07322E-06	0.000132627	0.00064555	0.001677649	4.40396E-05
2053 Aug	0.132897764	9.91671E-06	1.612648964	2.659847975	0.046885006	0.000312726	6.307960987	0.001369047	0.010208363	0.000371627	0.000198286	8.45651E-05	0.111372307	2.15898E-06	0.000137043	0.000663052	0.001738418	4.52119E-05
2053 Sep	0.136011571	1.01801E-05	1.652000308	2.722773314	0.047867928	0.000322258	6.46053648	0.001402828	0.010470536	0.000378977	0.000202314	8.65817E-05	0.114037387	2.21537E-06	0.000140233	0.000676619	0.001780053	4.61207E-05
2053 Oct	0.136646912	1.02446E-05	1.65981257	2.735253811	0.04796062	0.000325835	6.491271973	0.001409643	0.010543533	0.000379384	0.000202606	8.68815E-05	0.114556134	2.22862E-06	0.000140879	0.000678269	0.001787694	4.61796E-05
2053 Nov	0.136322737	1.02389E-05	1.65598011	2.728501558	0.047701996	0.000327355	6.47648716	0.001406587	0.010545169	0.000376975	0.000201403	8.65596E-05	0.114268921	2.22655E-06	0.000140534	0.000674989	0.001782707	4.58968E-05
2053 Dec	0.136338681	1.02408E-05	1.656177998	2.728810549	0.047701932	0.000327482	6.477268696	0.001406763	0.010547441	0.00037696	0.000201398	8.65652E-05	0.114281684	2.22693E-06	0.00014055	0.000675002	0.001782887	4.58954E-05
2054 Jan	0.13635692	1.02415E-05	1.656336784	2.729197502	0.047710098	0.000327525	6.477873325	0.001406888	0.010548418	0.000376985	0.000201399	8.65695E-05	0.114296481	2.22706E-06	0.000140554	0.000675082	0.00178294	4.58929E-05
2054 Feb	0.136395708	1.02431E-05	1.656720996	2.730008364	0.04772871	0.000327576	6.479350567	0.001407197	0.010550348	0.000377086	0.000201433	8.65865E-05	0.114328608	2.2274E-06	0.000140574	0.000675289	0.001783209	4.58973E-05
2054 Mar	0.136415407	1.02439E-05	1.656912804	2.730421305	0.047738343	0.0003276	6.480086327	0.001407351	0.010551288	0.000377137	0.00020145	8.65948E-05	0.114344895	2.22757E-06	0.000140584	0.000675395	0.001783337	4.58992E-05
2054 Apr	0.136872903	1.02779E-05	1.662442565	2.739588976	0.047900014	0.000328686	6.501704216	0.001412043	0.01058634	0.000378399	0.000202118	8.68828E-05	0.11472825	2.23495E-06	0.000141049	0.000677665	0.001789243	4.60504E-05
2054 May	0.140125275	1.03797E-05	1.688814402	2.804891586	0.049605973	0.000329738	6.593819141	0.001434492	0.010714334	0.000393504	0.000204812	8.86399E-05	0.117213972	2.25446E-06	0.000141385	0.000696768	0.001808543	4.57088E-05
2054 Jun	0.139474288	9.82406E-06	1.63163805	2.781374454	0.051794432	0.000290215	6.301912308	0.001391725	0.010179235	0.00041759	0.000205402	8.74131E-05	0.115358911	2.1231E-06	0.000130278	0.000720926	0.001759226	4.09859E-05
2054 Jul	0.132412061	9.73166E-06	1.575339675	2.62006855	0.047483869	0.000282215	6.097754955	0.001348995	0.009960689	0.000380804	0.000203399	8.35977E-05	0.109299198	2.10681E-06	0.000130729	0.000675968	0.001745258	4.2504E-05
2054 Aug	0.131241962	9.8493E-06	1.578380108	2.602503061	0.046305779	0.000293296	6.11773777	0.001350793	0.010011085	0.000369051	0.000198758	8.34532E-05	0.108896382	2.13054E-06	0.000131597	0.000655697	0.001736825	4.26826E-05
2054 Sep	0.129442707	9.87966E-06	1.579387665	2.581408501	0.045099888	0.000305736	6.141573906	0.001346934	0.010012998	0.000356532	0.000194155	8.30809E-05	0.108376063	2.13878E-06	0.00013357	0.000636538	0.001719472	4.3647E-05
2054 Oct	0.127033681	9.79259E-06	1.569132447	2.546654701	0.043631218	0.000316936	6.135215282	0.001331005	0.009974195	0.000342394	0.000188896	8.17843E-05	0.107166171	2.12406E-06	0.000135899	0.000616852	0.001686863	4.4946E-05
2054 Nov	0.12620075	9.76557E-06	1.56550622	2.534528732	0.04309788	0.000321186	6.132581234	0.001325498	0.00996534	0.000337243	0.000186939	8.1311E-05	0.106740795	2.11945E-06	0.000136679	0.000609756	0.001675417	4.53501E-05
2054 Dec	0.126235262	9.76923E-06	1.566667676	2.535772324	0.043107558	0.000321572	6.138371944	0.00132618	0.009969665	0.000337277	0.00018704	8.13615E-05	0.106803805	2.12053E-06	0.000136905	0.000609874	0.001675986	4.54715E-05
2055 Jan	0.12625204	9.76972E-06	1.566802025	2.536129475	0.043115385	0.00032161	6.138875484	0.001326284	0.009970487	0.000337298	0.000187037	8.13645E-05	0.106817208	2.12061E-06	0.000136906	0.000609947	0.001676009	4.54677E-05
2055 Feb	0.126274362	9.77004E-06	1.566980839	2.536611557	0.04312849	0.000321618	6.139545918	0.001326419	0.009971091	0.000337354	0.000187046	8.13706E-05	0.106835447	2.12067E-06	0.000136908	0.000610074	0.001676052	4.5466E-05
2055 Mar	0.126324549	9.77316E-06	1.567550063	2.537637949	0.043148607	0.00032172	6.141759396	0.001326891	0.009974422	0.000337485	0.000187108	8.13984E-05	0.10687755	2.12134E-06	0.000136951	0.000610327	0.00167658	4.54788E-05
2055 Apr	0.126651958	9.79805E-06	1.571582317	2.544225454	0.043262146	0.000322539	6.157547951	0.001330299	0.009999911	0.000338359	0.000187585	8.16068E-05	0.107154354	2.12674E-06	0.000137299	0.000611915	0.001680847	4.55936E-05
2055 May	0.128047705	9.90585E-06	1.58888793	2.572267056	0.043739624	0.000326086	6.225346088	0.001344946	0.010109961	0.000342089	0.000189649	8.25052E-05	0.108335085	2.15014E-06	0.000138809	0.000618661	0.001699338	4.60947E-05
2055 Jun	0.111151509	9.44841E-06	1.430832028	2.18633008	0.035420164	0.000282887	5.562484264	0.001234219	0.009396969	0.000270145	0.000198433	7.31628E-05	0.093335092	2.0542E-06	0.000134309	0.000561545	0.00171828	4.69226E-05
2055 Jul	0.106752455	9.45846E-06	1.402823567	2.082043171	0.032745011	0.000274315	5.452642918	0.001216251	0.009304959	0.000246632	0.000204321	7.11565E-05	0.089554645	2.06015E-06	0.000136803	0.000544393	0.001749172	4.91614E-05
2055 Aug	0.109691247	9.77109E-06	1.439394712	2.134727001	0.033321034	0.000283884	5.59081459	0.001249865	0.00959091	0.000250778	0.000207544	7.29499E-05	0.091825671	2.12513E-06	0.000139574	0.000552189	0.001792362	4.97623E-05
2055 Sep	0.108798571	9.80259E-06	1.431379914	2.121052265	0.032546084	0.000292559	5.553460598	0.001244037	0.009607509	0.000242857	0.000201287	7.23003E-05	0.091283448	2.1266E-06	0.00013754	0.000537398	0.001771582	4.81591E-05
2055 Oct	0.109105006	9.84691E-06	1.434446573	2.12702632	0.032438822	0.000297008	5.565592289	0.001246835	0.009669241	0.000241483	0.000200212	7.22689E-05	0.091505803	2.13467E-06	0.000137638	0.000536033	0.00177198	4.78711E-05
2055 Nov	0.109259814	9.86526E-06	1.436228514	2.130043983	0.032432653	0.000298381	5.572566986	0.001248419	0.009692057	0.000241286	0.000200065	7.23098E-05	0.09162651	2.13825E-06	0.000137757	0.000536039	0.00177329	4.78279E-05
2055 Dec	0.109282106	9.86784E-06	1.436489224	2.130478621	0.032432582	0.000298563	5.57358551	0.00124865	0.009695201	0.000241266	0.000200051	7.23167E-05	0.091644041	2.13875E-06	0.000137775	0.000536052	0.001773497	4.78234E-05
2056 Jan	0.109312683	9.86914E-06	1.436772466	2.131120205	0.032445882	0.000298633	5.5746665	0.001248877	0.009696938	0.000241321	0.00020006	7.23266E-05	0.091668919	2.13901E-06	0.000137786	0.000536189	0.001773641	4.78217E-05
2056 Feb	0.109348856	9.87022E-06	1.437100291	2.131887197	0.032464944	0.000298665	5.575910091	0.001249134	0.009698371	0.000241412	0.000200084	7.23396E-05	0.091698676	2.13923E-06	0.000137798	0.000536388	0.001773812	4.78228E-05
2056 Mar	0.109409444	9.87449E-06	1.437816262	2.13310194	0.032487463	0.000298795	5.578672409	0.001249741	0.009702778	0.000241551	0.000200173	7.23738E-05	0.091749161	2.14015E-06	0.000137856	0.000536697	0.001774568	4.78412E-05
2056 Apr	0.109746285	9.90423E-06	1.442198038	2.139688015	0.03259002	0.000299694	5.595664978	0.001253541	0.00973211	0.000242298	0.000200776	7.25933E-05	0.092031464	2.14659E-06	0.00013827	0.000538356	0.001779905	4.7984E-05
2056 May	0.11639291	9.98395E-06	1.488452077	2.277454853	0.03656774	0.000298145	5.75376606	0.001290689	0.00989154	0.000278294	0.000204064	7.60464E-05	0.097113699	2.1583E-06	0.000137268	0.000578933	0.00179579	4.66147E-05
2056 Jun	0.127755806	9.52415E-06	1.547810674	2.539857149	0.046005324	0.000275079	5.959878445	0.001322854	0.009668655	0.00036635	0.000206618	8.2266E-05	0.106412224	2.0543E-06	0.000132567	0.000665831	0.00174007	4.42335E-05
2056 Jul	0.130263358	9.85551E-06	1.581832051	2.577511311	0.04623273	0.000281522	6.086845875	0.00135607	0.009962047	0.000367666	0.000212728	8.38168E-05	0.108135328	2.12446E-06	0.000136273	0.00067461	0.001798216	4.55089E-05
2056 Aug	0.131759211	1.00912E-05	1.598870754	2.597777367	0.046072483	0.000288901	6.146760464	0.00137432	0.010155604	0.000366028	0.000211995	8.45378E-05	0.109035768	2.17071E-06	0.000136802	0.000670068	0.001817865	4.50825E-05
2056 Sep	0.133393288	1.02722E-05	1.620158553	2.630443811	0.046310704	0.000298318	6.227860928	0.001393158	0.010344413	0.000366949	0.000212718	8.54247E-05	0.110418595	2.20755E-06	0.000138389	0.000673744	0.001839082	4.51944E-05
2056 Oct	0.130986825	1.01728E-05	1.601336479	2.590147495	0.044848509	0.000307026	6.174693108	0.00137319	0.010289639	0.000353266	0.000206235	8.37726E-05	0.108846895	2.18667E-06	0.000138428	0.000653652	0.001802262	4.51274E-05
2056 Nov	0.130556598	1.0161E-05	1.602084994	2.586035013	0.044570789	0.000310367	6.188156605	0.001371405	0.010289479	0.000350439	0.000205322	8.36319E-05	0.108757384	2.1857E-06	0.000139508	0.000649709	0.001796143	4.57162E-05
2056 Dec	0.130590379	1.01643E-05	1.602497578	2.586696625	0.044576839	0.000310537	6.189755917	0.001371765	0.010293146	0.000350472	0.000205345	8.36487E-05	0.108784832	2.18638E-06	0.000139542	0.000649811	0.001796562	4.57205E-05
2057 Jan	0.130617231	1.01656E-05	1.602759123	2.587254524	0.044588007	0.0003106	6.19075489	0.001371978	0.010294785	0.000350522	0.000205358	8.36585E-05	0.108806722	2.18664E-06	0.000139554	0.000649933	0.001796728	4.57206E-05
2057 Feb	0.130645543	1.01664E-05	1.603015542	2.587854147	0.044602904	0.000310625	6.191726208	0.001372179	0.010295909	0.000350593	0.000205377	8.36688E-05	0.108829983	2.18681E-06	0.000139564	0.000650088	0.001796862	4.57214E-05
2057 Mar	0.130759373	1.01745E-05	1.604362726	2.590130568	0.044644628	0.000310873	6.196919918	0.001373323	0.010304277	0.000350896	0.000205542	8.37374E-05	0.108924642	2.18855E-06	0.000139674	0.000650663	0.001798288	4.57563E-05
2057 Apr	0.131183282	1.02071E-05	1.609535575	2.598539352	0.044790991	0.000311868	6.21689415	0.001377745	0.010337337	0.000352032	0.0002062	8.40064E-05	0.109277666	2.19556E-06	0.00014012	0.000652777	0.001804039	4.59018E-05
2057 May	0.134228617	1.03398E-05	1.637515903	2.659508944	0.046237413	0.000314573	6.31810236	0.001401599	0.010489549	0.000364565	0.000209261	8.57255E-05	0.111657158	2.22241E-06	0.00014118	0.000669868	0.001828208	4.59362E-05
2057 Jun	0.128859431	9.7625E-06	1.56266284	2.546012163	0.045615669	0.000279015	5.993359566	0.001341226	0.009884414	0.000362302	0.000211863	8.26618E-05	0.106763557	2.09765E-06	0.000135014	0.00067046	0.001787521	4.47328E-05
2057 Jul	0.12868461	9.97416E-06	1.57272017	2.529757023	0.044730868	0.000280584	6.026031971	0.001355051	0.010037201	0.000353738	0.000217931	8.28187E-05	0.106392175	2.14352E-06	0.000138067	0.000670223	0.001836892	4.61922E-05
2057 Aug	0.135554761	1.05403E-05	1.656739593	2.662971258	0.046943448	0.000296976	6.346343994	0.001428319	0.010594672	0.000371059	0.000228646	8.71983E-05	0.112011202	2.26397E-06	0.000145161	0.000702722	0.00193456	4.83956E-05
2057 Sep	0.136773452	1.06913E-05	1.673379779	2.687704086	0.047061127	0.000305179	6.408864498	0.00144321	0.010747273	0.000371041	0.000228807	8.7877E-05	0.113070801	2.29436E-06	0.0001463	0.000704368	0.001950634	4.83837E-05
2057 Oct	0.136048302	1.06773E-05	1.664380789	2.67315197	0.046448335	0.000309588	6.375217915	0.001435799	0.010756251	0.0003653	0.000225421	8.70928E-05	0.112432294	2.28932E-06	0.000145364	0.000696053	0.001936546	4.76216E-05
2057 Nov	0.136250854	1.06989E-05	1.666841507	2.677091122	0.04646885	0.000310856	6.38475275	0.001437969	0.010781094	0.000365339	0.000225466	8.71799E-05	0.112594448	2.29369E-06	0.000145559	0.000696475	0.001938928	4.76248E-05
2057 Dec	0.136295885	1.0703E-05	1.667390823	2.677972078	0.046479348	0.000311039	6.386867046	0.001438448	0.010785541	0.000365409	0.000225511	8.72044E-05	0.112631142	2.29454E-06	0.000145605	0.000696644	0.001939519	4.76338E-05
2058 Jan	0.136307359	1.07032E-05	1.667471647	2.678224325	0.04648504	0.000311067	6.387172699	0.001438506	0.010786018	0.00036542	0.000225502	8.72052E-05	0.112640351	2.29457E-06	0.000145603	0.000696689	0.001939489	4.76295E-05
2058 Feb	0.136328667	1.07037E-05	1.667652249	2.678681374	0.046496972	0.00031108	6.387854099	0.001438644	0.010786714	0.000365473	0.000225513	8.72119E-05	0.11265783	2.29466E-06	0.000145607	0.000696808	0.001939554	4.76288E-05
2058 Mar	0.136371776	1.07064E-05	1.668135881	2.679549456	0.046514213	0.00031116	6.38970089	0.001439052	0.010789584	0.000365587	0.000225571	8.72357E-05	0.112693369	2.29523E-06	0.000145642	0.000697034	0.001940038	4.76395E-05
2058 Apr	0.136657685	1.07285E-05	1.671608567	2.685179234	0.046613187	0.000311801	6.402998924	0.001442042	0.010811898	0.000366352	0.000226036	8.74164E-05	0.112929605	2.29996E-06	0.000145942	0.000698498	0.001944032	4.77369E-05
2058 May	0.141775146	1.06767E-05	1.747316957	2.831918955	0.050445061	0.000320373	6.759492397	0.001482251	0.010857819	0.000399525	0.000231766	9.2137E-05	0.119143993	2.30268E-06	0.000156154	0.000732669	0.001941424	5.34746E-05
2058 Jun	0.143782139	9.59056E-06	1.768972754	2.962244034	0.05681384	0.000298692	6.941683292	0.001452203	0.009994867	0.000459766	0.000228642	9.58025E-05	0.124189608	2.09059E-06	0.000161706	0.000773229	0.001781574	5.93182E-05
2058 Jul	0.14409107	9.80571E-06	1.793332696	2.966022491	0.056261379	0.0003049	7.0493083	0.001472618	0.010165704	0.00045362	0.000235023	9.66774E-05	0.124780416	2.14067E-06	0.000167513	0.000774435	0.001827992	6.22466E-05
2058 Aug	0.147435158	1.01241E-05	1.83389914	3.027992487	0.057078902	0.000314809	7.202794552	0.00150895	0.010462204	0.00045991	0.000238493	9.87345E-05	0.127414152	2.20661E-06	0.000170532	0.000784501	0.001871981	6.29382E-05
2058 Sep	0.145025223	1.01181E-05	1.8056705	2.976261616	0.055188026	0.000324087	7.085831165	0.00148872	0.010467333	0.000442298	0.000229835	9.65636E-05	0.125237942	2.19878E-06	0.000167002	0.000759616	0.001841323	6.04784E-05
2058 Oct	0.14289026	1.00742E-05	1.791299462	2.939329624	0.053683247	0.000334036	7.048530102	0.001473551	0.010458423	0.000428021	0.000224228	9.50928E-05	0.123847	2.18949E-06	0.000167537	0.000740188	0.001814009	6.05365E-05
2058 Nov	0.142836884	1.00842E-05	1.796256542	2.942198753	0.053603582	0.000336862	7.076976776	0.001475572	0.010474106	0.000426951	0.000224358	9.52419E-05	0.1240554	2.19325E-06	0.000168956	0.000739044	0.00181404	6.12807E-05
2058 Dec	0.142851979	1.00861E-05	1.796442509	2.942488432	0.053603288	0.000336984	7.077699184	0.001475739	0.010476293	0.000426935	0.000224353	9.5247E-05	0.124067269	2.19362E-06	0.00016897	0.000739055	0.001814213	6.1279E-05
2059 Jan	0.14286159	1.00862E-05	1.796494722	2.942694187	0.053607941	0.000337008	7.077877522	0.001475779	0.010476691	0.000426934	0.00022434	9.52458E-05	0.124074414	2.19363E-06	0.000168964	0.000739088	0.001814169	6.12728E-05
2059 Feb	0.142883748	1.00867E-05	1.796681523	2.943169355	0.053620398	0.000337021	7.078581333	0.001475921	0.010477399	0.000426989	0.000224351	9.52526E-05	0.124092579	2.19372E-06	0.000168968	0.000739212	0.001814234	6.12721E-05
2059 Mar	0.142895818	1.00869E-05	1.796781659	2.943427563	0.053627186	0.000337028	7.07895565	0.001475998	0.010477785	0.000427018	0.000224357	9.52562E-05	0.124102399	2.19377E-06	0.00016897	0.000739279	0.001814269	6.12714E-05
2059 Apr	0.143236667	1.01106E-05	1.801038027	2.950453758	0.05375639	0.00033782	7.095714092	0.001479492	0.010502492	0.000428033	0.000224885	9.54809E-05	0.124398053	2.19892E-06	0.000169366	0.000741045	0.001818529	6.14142E-05
2059 May	0.147340909	1.01919E-05	1.834508061	3.036758184	0.056117769	0.000338437	7.217107773	0.001505888	0.01062602	0.000449117	0.000227855	9.77984E-05	0.127678648	2.21434E-06	0.000169943	0.000765903	0.001834896	6.12144E-05
2059 Jun	0.153597087	1.00032E-05	1.869257092	3.176354408	0.061161585	0.000324628	7.33186388	0.00152811	0.010535941	0.000496047	0.000231492	0.000101342	0.132691413	2.17004E-06	0.000167765	0.000815095	0.001821198	6.00073E-05
2059 Jul	0.160186633	1.05221E-05	1.949265003	3.303716898	0.063413247	0.000338181	7.635091782	0.001597726	0.011052679	0.000513941	0.000243169	0.000105559	0.13805449	2.2805E-06	0.000174886	0.000849675	0.001918203	6.23632E-05
2059 Aug	0.166583493	1.09845E-05	2.027222157	3.433158159	0.065737128	0.000353156	7.937831879	0.001662884	0.011522297	0.000532574	0.000252105	0.000109724	0.143482521	2.37932E-06	0.000181575	0.000880323	0.001996203	6.45668E-05
2059 Sep	0.166423321	1.10829E-05	2.027005434	3.428261518	0.065043472	0.000362083	7.933139801	0.00166473	0.011628039	0.000525418	0.000249039	0.00010929	0.143290773	2.39673E-06	0.000181057	0.000871803	0.001995906	6.36672E-05
2059 Oct	0.155755103	1.06789E-05	1.904898047	3.205783129	0.058723498	0.000372058	7.463459969	0.001566807	0.011286738	0.000469298	0.00022438	0.000100936	0.13402769	2.30031E-06	0.000170678	0.000792307	0.001867812	5.80757E-05
2059 Nov	0.154542506	1.06478E-05	1.898722053	3.185937166	0.057957862	0.000376678	7.452458382	0.001559165	0.011268381	0.000462028	0.000222074	0.000100269	0.133327901	2.29484E-06	0.000171551	0.000782508	0.00185452	5.85329E-05

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.154543698	1.06488E-05	1.898998141	3.186133385	0.057953391	0.000376846	7.453948498	0.001559304	0.011269764	0.000461967	0.000222078	0.000100277	0.13334024	2.29512E-06	0.00017162	0.000782452	0.001854575	5.85664E-05
2060 Jan	0.154567838	1.065E-05	1.899239898	3.186645508	0.057963606	0.000376906	7.45488739	0.001559495	0.011271216	0.000462008	0.000222089	0.000100285	0.133360416	2.29535E-06	0.000171633	0.000782561	0.001854711	5.85675E-05
2060 Feb	0.154602408	1.06512E-05	1.899571776	3.187375546	0.057980962	0.000376946	7.45615387	0.001559757	0.011272774	0.000462099	0.000222117	0.0001003	0.133389086	2.29561E-06	0.000171649	0.000782748	0.001854914	5.85706E-05
2060 Mar	0.154673845	1.06555E-05	1.900399089	3.188858032	0.058010142	0.000377096	7.45938158	0.001560431	0.011277461	0.000462306	0.000222207	0.000100342	0.133450106	2.29653E-06	0.000171716	0.000783117	0.001855657	5.85922E-05
2060 Apr	0.155190781	1.06908E-05	1.906722188	3.199520826	0.058205344	0.000378343	7.48418951	0.00156562	0.01131486	0.000463847	0.000222943	0.000100674	0.133895755	2.30413E-06	0.000172283	0.000785738	0.001861794	5.8785E-05
2060 May	0.16139701	1.0612E-05	1.95570612	3.342455626	0.062763512	0.000372357	7.6743927	0.001597328	0.011318918	0.000505493	0.000227148	0.000104624	0.139316857	2.28767E-06	0.000173386	0.000829257	0.001859297	5.92555E-05
2060 Jun	0.161940724	1.00336E-05	1.937435031	3.372960329	0.065976419	0.000342878	7.600743294	0.001571065	0.010782951	0.000537823	0.000228047	0.000105523	0.140109956	2.16613E-06	0.000169737	0.000855403	0.001794597	5.89773E-05
2060 Jul	0.167915642	1.0522E-05	2.016304255	3.491672754	0.067979217	0.000357164	7.908372402	0.001637552	0.011267825	0.000553371	0.000239655	0.000109602	0.145223171	2.27168E-06	0.000177954	0.000886836	0.001886806	6.2058E-05
2060 Aug	0.168208435	1.07317E-05	2.025175571	3.493690968	0.067326725	0.00036658	7.931129932	0.001649296	0.011415698	0.000546424	0.00023719	0.000109859	0.145443261	2.31155E-06	0.000177525	0.000876354	0.001899773	6.1161E-05
2060 Sep	0.155858055	1.04254E-05	1.905254245	3.245456457	0.060448442	0.00037386	7.454012394	0.001556209	0.010967701	0.000484221	0.000212833	0.00010231	0.135615513	2.23613E-06	0.000166583	0.00078429	0.001784272	5.59018E-05
2060 Oct	0.151821598	1.03092E-05	1.886201739	3.179299355	0.058010574	0.000387015	7.4259305	0.001531489	0.010889027	0.000461196	0.000206743	0.000100235	0.133324072	2.21675E-06	0.00017022	0.000754156	0.001744483	5.79888E-05
2060 Nov	0.150222719	1.02581E-05	1.882211924	3.155965805	0.05710924	0.000392656	7.434494019	0.001523086	0.010851505	0.00045254	0.000204921	9.96104E-05	0.132599279	2.20942E-06	0.000172646	0.000742776	0.001729263	5.94218E-05
2060 Dec	0.150236562	1.02605E-05	1.883606315	3.157134295	0.057113227	0.000393156	7.441894054	0.001523765	0.01085459	0.000452504	0.00020505	9.96691E-05	0.132668719	2.21033E-06	0.000172993	0.000742796	0.001729638	5.96086E-05
2061 Jan	0.150247008	1.02607E-05	1.883806825	3.157462835	0.057119098	0.00039322	7.442885399	0.001523869	0.010855089	0.000452499	0.000205056	9.96739E-05	0.132683352	2.2104E-06	0.000173026	0.000742839	0.00172962	5.96249E-05
2061 Feb	0.150270537	1.0261E-05	1.883990526	3.157967567	0.057132933	0.000393227	7.443566322	0.001524008	0.010855709	0.000452555	0.000205065	9.96798E-05	0.132702321	2.21046E-06	0.000173027	0.000742973	0.001729665	5.96226E-05
2061 Mar	0.150314078	1.02633E-05	1.884474874	3.158887148	0.057152133	0.00039331	7.445454597	0.001524395	0.010858268	0.000452678	0.000205112	9.97034E-05	0.132739738	2.21094E-06	0.000173063	0.000743198	0.001730043	5.96334E-05
2061 Apr	0.150798112	1.02959E-05	1.890507579	3.169061422	0.057337686	0.000394559	7.469273567	0.001529273	0.010892896	0.000454131	0.000205765	0.000100021	0.133166566	2.21797E-06	0.000173612	0.000745597	0.001735543	5.98217E-05
2061 May	0.15735203	1.02351E-05	1.957541585	3.327737331	0.062141117	0.000391465	7.753916264	0.001570292	0.01092288	0.000497436	0.000213518	0.000104826	0.13949509	2.21116E-06	0.000179414	0.00079359	0.001744144	6.29662E-05
2061 Jun	0.153214484	9.44501E-06	1.923915982	3.278046846	0.06340266	0.000358681	7.678424835	0.001520174	0.010150382	0.000512322	0.000218342	0.000104386	0.137732804	2.05899E-06	0.000183333	0.000802726	0.001667361	6.81141E-05
2061 Jul	0.157723933	9.88113E-06	1.989681721	3.365708828	0.064625919	0.000371581	7.940099716	0.001575503	0.010564805	0.00052133	0.000228309	0.000107648	0.141660064	2.15368E-06	0.00019127	0.00082406	0.001747289	7.12859E-05
2061 Aug	0.163944095	1.03196E-05	2.06704402	3.493797779	0.066907577	0.000387162	8.245038033	0.001638648	0.01101385	0.000539656	0.000236489	0.000111767	0.147057787	2.24742E-06	0.000198287	0.000852689	0.001818259	7.36877E-05
2061 Sep	0.164058551	1.04193E-05	2.069993496	3.494534492	0.066495486	0.000393694	8.250869751	0.001643226	0.011106758	0.000535168	0.000234772	0.000111674	0.147109881	2.26589E-06	0.000197948	0.00084762	0.001823244	7.3033E-05
2061 Oct	0.15459317	1.00904E-05	1.972323775	3.299910307	0.060929164	0.000401786	7.888875008	0.001563103	0.010814778	0.000485527	0.000216727	0.000104821	0.139218464	2.19185E-06	0.000191799	0.000780542	0.00172625	7.00292E-05
2061 Nov	0.151563063	9.99414E-06	1.958206773	3.250283957	0.059216421	0.000409743	7.867250443	0.001544798	0.01073436	0.000469417	0.000212862	0.000103391	0.137519494	2.17564E-06	0.000194539	0.000759274	0.001698065	7.17051E-05
2061 Dec	0.151582003	9.99656E-06	1.958680391	3.250822544	0.059217371	0.000409963	7.869468212	0.001545111	0.010737224	0.000469397	0.000212886	0.000103408	0.137545899	2.1762E-06	0.000194623	0.000759297	0.001698334	7.17405E-05
2062 Jan	0.151602611	9.99741E-06	1.958886862	3.251271486	0.059226371	0.000410019	7.870288372	0.001545267	0.010738406	0.000469422	0.000212891	0.000103414	0.137563542	2.17637E-06	0.000194635	0.000759387	0.001698417	7.17418E-05
2062 Feb	0.151638597	9.9986E-06	1.959227681	3.252037764	0.059244912	0.000410058	7.871590614	0.001545533	0.010739934	0.000469516	0.000212918	0.000103429	0.137593538	2.17662E-06	0.00019465	0.000759583	0.001698607	7.17446E-05
2062 Mar	0.151790157	1.00079E-05	1.961118102	3.255285263	0.059306566	0.000410436	7.87914896	0.001547023	0.010750111	0.000469976	0.000213118	0.000103526	0.137729615	2.17864E-06	0.000194828	0.000760351	0.001700187	7.18085E-05
2062 Apr	0.152306765	1.00416E-05	1.96775353	3.266362429	0.05950981	0.000411815	7.905787945	0.001552257	0.010786378	0.00047157	0.000213835	0.000103875	0.138197511	2.18597E-06	0.000195481	0.000762943	0.001705907	7.20485E-05
2062 May	0.153754115	1.01369E-05	1.986433744	3.297399282	0.060075928	0.000415719	7.980825424	0.001566993	0.010888739	0.000476051	0.000215864	0.000104861	0.139510304	2.20671E-06	0.000197334	0.000770196	0.00172209	7.27309E-05
2062 Jun	0.134376228	9.76554E-06	1.767125249	2.815013647	0.049517218	0.000359837	7.013123035	0.001429316	0.010161075	0.000386193	0.000218907	9.21702E-05	0.120125979	2.11557E-06	0.000180723	0.000691325	0.001744301	6.67447E-05
2062 Jul	0.125017941	9.69374E-06	1.678100705	2.583394051	0.04396664	0.000337935	6.634311199	0.001373597	0.009886394	0.000338462	0.000222864	8.66464E-05	0.111187004	2.09836E-06	0.000177519	0.000648364	0.001770469	6.64232E-05
2062 Aug	0.123581395	9.80532E-06	1.662457347	2.546386242	0.04243695	0.000344302	6.561012268	0.00136596	0.009913753	0.00032488	0.000214778	8.56026E-05	0.109732367	2.1153E-06	0.000173908	0.000621446	0.001750839	6.41421E-05
2062 Sep	0.119908348	9.69618E-06	1.65440166	2.500081539	0.040345598	0.000363132	6.584573746	0.001346301	0.00983085	0.000304127	0.000206466	8.42403E-05	0.108364336	2.09776E-06	0.000178439	0.000589064	0.001699106	6.65849E-05
2062 Oct	0.108233735	9.11308E-06	1.620456815	2.349863052	0.034312725	0.000411723	6.65316391	0.001270931	0.009447718	0.000245719	0.000184847	7.93832E-05	0.103721641	1.99885E-06	0.000195332	0.000500363	0.001525807	7.63675E-05
2062 Nov	0.108040094	9.12653E-06	1.625769019	2.351635933	0.034059588	0.000417332	6.687306404	0.001272296	0.009478059	0.000242841	0.000184095	7.94085E-05	0.103912048	2.00317E-06	0.000197182	0.000496755	0.00152202	7.72108E-05
2062 Dec	0.108070284	9.12959E-06	1.626155734	2.35223937	0.034064189	0.000417503	6.688821793	0.001272626	0.009481507	0.000242861	0.000184113	7.94237E-05	0.103937298	2.00379E-06	0.000197217	0.000496836	0.001522391	7.72162E-05
2063 Jan	0.108092561	9.13055E-06	1.626347899	2.352698326	0.034073967	0.000417548	6.689529419	0.001272784	0.009482733	0.000242901	0.000184118	7.94301E-05	0.103954762	2.00397E-06	0.000197221	0.000496937	0.001522491	7.7213E-05
2063 Feb	0.108123422	9.13155E-06	1.626645327	2.353356123	0.03408967	0.000417585	6.690670967	0.001273016	0.009484085	0.000242977	0.000184141	7.94423E-05	0.103980623	2.00419E-06	0.000197236	0.000497104	0.001522659	7.7216E-05
2063 Mar	0.10815765	9.1336E-06	1.627069354	2.35409379	0.034103714	0.000417672	6.692369938	0.001273348	0.009486349	0.000243058	0.000184183	7.94617E-05	0.104011461	2.00463E-06	0.000197275	0.000497275	0.001522996	7.723E-05
2063 Apr	0.108361714	9.15035E-06	1.630087376	2.358530998	0.03416992	0.000418434	6.70475769	0.001275709	0.009503826	0.000243519	0.000184522	7.96084E-05	0.10420651	2.0083E-06	0.000197635	0.000498221	0.001525786	7.73698E-05
2063 May	0.114591703	9.23906E-06	1.669615149	2.48194623	0.037896633	0.000413127	6.828568935	0.001310328	0.009648631	0.000277629	0.000188645	8.27585E-05	0.108677305	2.02198E-06	0.000195553	0.000537981	0.001548777	7.56304E-05
2063 Jun	0.122721002	8.64445E-06	1.663723707	2.627997637	0.046620768	0.000341469	6.697417736	0.001313399	0.009081643	0.000363649	0.00020353	8.68254E-05	0.112987325	1.88584E-06	0.000181318	0.000636579	0.0015487	7.00281E-05
2063 Jul	0.119163021	8.71082E-06	1.648761153	2.545736074	0.044270605	0.000338304	6.646328926	0.001304373	0.009048461	0.000342344	0.000209012	8.54827E-05	0.110204242	1.90387E-06	0.00018519	0.000620661	0.001580579	7.26258E-05
2063 Aug	0.123618342	9.09553E-06	1.708348513	2.635825634	0.045616657	0.000352364	6.88004446	0.001354032	0.009423695	0.000352499	0.000215259	8.85158E-05	0.114097841	1.98524E-06	0.00019102	0.000638648	0.001640284	7.4582E-05
2063 Sep	0.122979924	9.20023E-06	1.701070666	2.620575905	0.044733427	0.000359996	6.835607052	0.00135258	0.009492947	0.000343638	0.000210182	8.79023E-05	0.11345686	2.00185E-06	0.00018824	0.000625067	0.001634822	7.25655E-05
2063 Oct	0.120560803	9.12081E-06	1.680874109	2.57709837	0.043159775	0.000368455	6.774857044	0.001332826	0.009452078	0.000329032	0.000203693	8.61493E-05	0.111747816	1.98489E-06	0.000187913	0.000604172	0.001600779	7.22581E-05
2063 Nov	0.120265931	9.11914E-06	1.688505769	2.579226732	0.042984542	0.000373089	6.822796822	0.001334749	0.009458895	0.000326865	0.000203884	8.63637E-05	0.112026855	1.98752E-06	0.000190662	0.000601425	0.001597948	7.37401E-05
2063 Dec	0.120300449	9.12297E-06	1.690580964	2.581138134	0.042999864	0.000373758	6.833477497	0.001335814	0.009463401	0.000326901	0.000204099	8.64563E-05	0.112135887	1.98882E-06	0.000191156	0.000601571	0.001598616	7.40011E-05
2064 Jan	0.120321728	9.12387E-06	1.690845132	2.581638098	0.043009516	0.000373829	6.834598064	0.001335999	0.009464631	0.000326935	0.000204112	8.64657E-05	0.11215654	1.98902E-06	0.000191182	0.000601667	0.001598717	7.40104E-05
2064 Feb	0.120360062	9.12544E-06	1.691261172	2.582470417	0.043028269	0.00037389	6.836242199	0.001336317	0.009466522	0.000327034	0.000204149	8.64839E-05	0.112190187	1.98935E-06	0.000191213	0.000601873	0.001598979	7.40204E-05
2064 Mar	0.120501101	9.1354E-06	1.693165302	2.585493565	0.043081369	0.000374294	6.843901634	0.00133782	0.009476999	0.000327414	0.000204373	8.65797E-05	0.112319969	1.99152E-06	0.000191417	0.000602586	0.001600718	7.40981E-05
2064 Apr	0.120746061	9.15356E-06	1.696563959	2.590747833	0.043170445	0.000375036	6.857619286	0.001340505	0.009495921	0.000328078	0.000204779	8.67526E-05	0.112547368	1.99547E-06	0.000191795	0.000603815	0.001603896	7.42436E-05
2064 May	0.127385825	9.16324E-06	1.781606913	2.761936426	0.047791671	0.000381063	7.235647202	0.00139129	0.009593189	0.000368481	0.000213124	9.22293E-05	0.119708985	2.00713E-06	0.000201844	0.000648461	0.001617164	7.94526E-05
2064 Jun	0.136574894	8.73938E-06	1.85075736	2.986116648	0.056148428	0.000355881	7.520207882	0.001427102	0.009308079	0.000446298	0.000223066	9.87982E-05	0.12823385	1.92326E-06	0.000204582	0.000728676	0.001589585	8.18687E-05
2064 Jul	0.138518006	9.05567E-06	1.871333241	3.004555464	0.0559793	0.000359475	7.581748962	0.001452635	0.009574401	0.00044468	0.000227526	9.96373E-05	0.129060745	1.9865E-06	0.000205956	0.000732619	0.001641889	8.18577E-05
2064 Aug	0.138569444	9.2336E-06	1.868630052	2.989645004	0.055029839	0.000363335	7.55960083	0.001456821	0.009693949	0.00043676	0.00022432	9.92446E-05	0.128461152	2.01923E-06	0.00020423	0.000718125	0.001648085	8.05004E-05
2064 Sep	0.132354081	9.14672E-06	1.839514494	2.888325453	0.051332489	0.00038341	7.49058342	0.00142409	0.009562843	0.000401098	0.000213057	9.65383E-05	0.125013903	2.00388E-06	0.000206817	0.000667382	0.001591722	8.19709E-05
2064 Oct	0.131466448	9.16742E-06	1.853714824	2.886550426	0.050595563	0.000396339	7.584757328	0.001427099	0.009610015	0.000392915	0.000212473	9.66745E-05	0.125359282	2.01357E-06	0.00021263	0.000657941	0.001585038	8.48902E-05
2064 Nov	0.13177231	9.19162E-06	1.863712549	2.897450924	0.050736375	0.000399084	7.633481979	0.001432847	0.009636435	0.000393749	0.000213604	9.71521E-05	0.125928044	2.02054E-06	0.000214711	0.000659532	0.001589572	8.59582E-05
2064 Dec	0.131790966	9.19379E-06	1.864957333	2.898572445	0.050744787	0.000399493	7.639921188	0.001433475	0.009639009	0.000393762	0.000213733	9.72073E-05	0.125993073	2.02129E-06	0.000215014	0.000659607	0.001589943	8.61173E-05
2065 Jan	0.131804809	9.19439E-06	1.865073442	2.898853779	0.050750636	0.000399522	7.640342236	0.001433573	0.0096398	0.000393783	0.000213735	9.72108E-05	0.126003698	2.0214E-06	0.000215015	0.000659668	0.001590007	8.61146E-05
2065 Feb	0.131838262	9.19597E-06	1.865453959	2.899576664	0.050766185	0.000399585	7.641849041	0.001433867	0.009641629	0.000393875	0.000213772	9.72286E-05	0.126033291	2.02174E-06	0.000215046	0.000659844	0.001590272	8.61251E-05
2065 Mar	0.132003948	9.20712E-06	1.867747545	2.903213501	0.050831437	0.000400066	7.651216984	0.001435631	0.009653403	0.000394366	0.000214031	9.73471E-05	0.126190364	2.02419E-06	0.000215304	0.000660678	0.001592196	8.62271E-05
2065 Apr	0.132472098	9.23954E-06	1.874342442	2.913505793	0.051012542	0.000401472	7.678217411	0.0014407	0.009687443	0.000395762	0.000214784	9.76902E-05	0.126637161	2.03131E-06	0.00021606	0.000663024	0.001597799	8.65294E-05
2065 May	0.138454184	9.30519E-06	1.950060725	3.062601805	0.054916397	0.000407771	8.007339478	0.001488565	0.009825421	0.000429592	0.000222984	0.000102449	0.132876247	2.05224E-06	0.000224808	0.00070305	0.00162069	9.084E-05
2065 Jun	0.140046746	8.9848E-06	1.920039892	3.077651978	0.057581089	0.000373426	7.830556393	0.001471973	0.009523995	0.000457129	0.000227911	0.000102476	0.132664517	1.97718E-06	0.000215777	0.000737804	0.001614732	8.68952E-05
2065 Jul	0.144030765	9.42001E-06	1.993636608	3.16221571	0.058614597	0.000388898	8.136613846	0.001530004	0.009929226	0.000463658	0.000240283	0.000106023	0.136741847	2.07421E-06	0.000227176	0.00075906	0.001701278	9.19584E-05
2065 Aug	0.14841339	9.8056E-06	2.053473473	3.253264904	0.059955277	0.000404164	8.370253563	0.001579553	0.010297513	0.000473542	0.000245604	0.000109107	0.140690953	2.15506E-06	0.000232746	0.000775385	0.001757148	9.37313E-05
2065 Sep	0.141024828	9.61632E-06	1.965343237	3.093513727	0.055292629	0.000411695	8.014101028	0.001514284	0.010111818	0.000431836	0.000227133	0.000103183	0.133963138	2.10583E-06	0.000222892	0.000716762	0.001677411	8.83706E-05
2065 Oct	0.12848331	9.21161E-06	1.885515928	2.876046181	0.04785528	0.000445632	7.815333843	0.001427592	0.009812604	0.000362418	0.000205505	9.59581E-05	0.126028016	2.02901E-06	0.000228494	0.000623555	0.001543584	9.15984E-05
2065 Nov	0.127005026	9.19011E-06	1.883922577	2.855478048	0.046849735	0.000454365	7.834311485	0.001421121	0.009812257	0.000352482	0.000203167	9.53284E-05	0.125438452	2.02703E-06	0.000231284	0.000610964	0.00152902	9.2983E-05
2065 Dec	0.126997054	9.19085E-06	1.885223627	2.856321812	0.046848208	0.000454854	7.841559887	0.001421649	0.009813429	0.000352395	0.000203296	9.53821E-05	0.12549898	2.02756E-06	0.000231666	0.000610895	0.001529132	9.31889E-05
2066 Jan	0.127017856	9.19178E-06	1.885823131	2.85706687	0.046859782	0.000455025	7.84452343	0.001421971	0.009814731	0.000352425	0.000203349	9.54064E-05	0.125536159	2.02787E-06	0.000231788	0.000610999	0.00152927	9.32509E-05
2066 Feb	0.127085462	9.19533E-06	1.886740088	2.85861969	0.046890292	0.000455212	7.848354816	0.001422639	0.009818797	0.000352605	0.000203438	9.54492E-05	0.125602499	2.02866E-06	0.000231891	0.000611347	0.001529862	9.32931E-05
2066 Mar	0.127329931	9.21227E-06	1.890270829	2.864098072	0.046983253	0.000456042	7.86298418	0.001425304	0.009837029	0.000353279	0.000203814	9.56262E-05	0.125841334	2.03239E-06	0.000232312	0.000612535	0.001532675	9.34606E-05
2066 Apr	0.127642006	9.23443E-06	1.894847631	2.871106386	0.047099981	0.000457134	7.881989479	0.001428757	0.009860764	0.000354142	0.000204304	9.58568E-05	0.126148194	2.03727E-06	0.000232867	0.000614043	0.001536358	9.36829E-05
2066 May	0.129614875	9.32818E-06	1.91449213	2.911265135	0.048007183	0.000459617	7.95484066	0.001445104	0.009966821	0.000361888	0.000206443	9.70199E-05	0.127742991	2.05648E-06	0.000233949	0.000624888	0.001553126	9.38993E-05
2066 Jun	0.122647949	8.97965E-06	1.781975746	2.693994284	0.045655146	0.000392309	7.299402714	0.001373336	0.009395809	0.000347212	0.000216584	9.13451E-05	0.118145294	1.96879E-06	0.000215225	0.000626999	0.001594002	8.62967E-05
2066 Jul	0.124926172	9.43935E-06	1.831462383	2.726112843	0.045449562	0.000401119	7.490238667	0.001419532	0.00977281	0.000343514	0.000229293	9.34795E-05	0.120053716	2.06763E-06	0.000223876	0.000639039	0.001690889	9.00499E-05
2066 Aug	0.129121438	9.82897E-06	1.888301849	2.809438944	0.046569694	0.000415507	7.71281147	0.001467344	0.010144955	0.000351765	0.000234763	9.63211E-05	0.123686627	2.14921E-06	0.000229475	0.000653619	0.001747777	9.18546E-05
2066 Sep	0.128420085	9.88153E-06	1.872806668	2.788636446	0.04561935	0.000421636	7.637309551	0.001459473	0.010209323	0.000342872	0.000229041	9.51135E-05	0.122647278	2.15479E-06	0.000225757	0.000641107	0.001735705	8.93413E-05
2066 Oct	0.124910206	9.74873E-06	1.839507937	2.723695278	0.04342122	0.000431771	7.528156281	0.001428693	0.010130042	0.000322697	0.000219327	9.24588E-05	0.120019026	2.1257E-06	0.000224156	0.000611591	0.001684429	8.83452E-05

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.123765059	9.70239E-06	1.845967174	2.715452194	0.042864081	0.00043937	7.586941719	0.001425873	0.01009965	0.000316776	0.000218545	9.24348E-05	0.120026506	2.12072E-06	0.000228552	0.000603139	0.001670445	9.07753E-05
2066 Dec	0.123815782	9.70732E-06	1.847621202	2.717219353	0.042881116	0.000439909	7.594958305	0.001426845	0.010105171	0.000316849	0.000218711	9.2509E-05	0.120119177	2.12202E-06	0.000228897	0.000603343	0.001671219	9.09442E-05
2067 Jan	0.123843014	9.70865E-06	1.84804368	2.717906237	0.042893507	0.000440021	7.596827984	0.001427124	0.010106861	0.000316898	0.000218742	9.25259E-05	0.120149277	2.12233E-06	0.000228954	0.000603471	0.001671397	9.09688E-05
2067 Feb	0.123902515	9.71184E-06	1.848778486	2.719208241	0.042919721	0.00044016	7.599789143	0.001427686	0.010110454	0.000317049	0.000218817	9.25598E-05	0.120203733	2.12302E-06	0.000229025	0.00060378	0.001671936	9.09949E-05
2067 Mar	0.124024764	9.72061E-06	1.850507259	2.721880436	0.042965058	0.000440551	7.606847763	0.001429022	0.010119735	0.000317362	0.000219015	9.26449E-05	0.12031997	2.12494E-06	0.000229226	0.000604386	0.001673439	9.10732E-05
2067 Apr	0.124274068	9.73969E-06	1.854172468	2.727345228	0.043053128	0.000441412	7.62188673	0.001431853	0.01013968	0.000317999	0.000219445	9.28275E-05	0.120560482	2.1291E-06	0.000229673	0.000605606	0.00167672	9.12497E-05
2067 May	0.131240338	9.85443E-06	1.890552759	2.8589921	0.047076195	0.000434192	7.717238426	0.001467765	0.010317301	0.000355135	0.000222727	9.59335E-05	0.125137642	2.14555E-06	0.000224941	0.000648785	0.001702303	8.79541E-05
2067 Jun	0.137729466	9.52684E-06	1.912094712	2.996304989	0.053115308	0.000402926	7.764413834	0.001482346	0.010058629	0.000412904	0.000228956	9.95964E-05	0.129816607	2.07345E-06	0.000219204	0.00070975	0.001687208	8.57249E-05
2067 Jul	0.143183857	1.00254E-05	1.985821366	3.100777864	0.05466456	0.000417579	8.049901009	0.001545461	0.010539353	0.000424599	0.000239736	0.000103291	0.134399027	2.17883E-06	0.000227359	0.000735471	0.001776506	8.86565E-05
2067 Aug	0.144847244	1.02888E-05	1.996634245	3.11332202	0.054329265	0.000421634	8.076830864	0.001562102	0.010752611	0.00042242	0.000238599	0.000103679	0.134852201	2.22919E-06	0.000226298	0.000729035	0.001798738	8.74218E-05
2067 Sep	0.144067839	1.03572E-05	1.985186219	3.093375683	0.053388342	0.00042796	8.019223213	0.001556923	0.010818262	0.000413361	0.000233812	0.000102743	0.133952245	2.23909E-06	0.000223476	0.000716616	0.001791296	8.54649E-05
2067 Oct	0.136926115	1.00714E-05	1.929807425	2.966835499	0.049388114	0.000442961	7.855142593	0.001501481	0.010588674	0.00037651	0.000219974	9.83377E-05	0.129125506	2.18169E-06	0.00022379	0.000664782	0.001705721	8.58948E-05
2067 Nov	0.13559033	1.00316E-05	1.935290456	2.954655409	0.048661526	0.000451563	7.910712719	0.001497957	0.010565492	0.000368935	0.000218965	9.81826E-05	0.128992558	2.17795E-06	0.0002283	0.000654758	0.001691779	8.83379E-05
2067 Dec	0.135647848	1.00372E-05	1.937416315	2.95685029	0.048682477	0.000452254	7.921174049	0.00149916	0.010571786	0.000369021	0.000219182	9.82782E-05	0.129110396	2.17949E-06	0.000228763	0.000654992	0.001692663	8.85682E-05
2068 Jan	0.135686785	1.00392E-05	1.937817931	2.957662106	0.048698314	0.000452349	7.922713757	0.001499485	0.01057426	0.000369098	0.000219207	9.82943E-05	0.129142687	2.1799E-06	0.000228787	0.000655171	0.001692941	8.85715E-05
2068 Feb	0.135743499	1.00418E-05	1.938446999	2.958880186	0.048724588	0.000452454	7.925189972	0.001499974	0.010577331	0.000369245	0.000219265	9.83229E-05	0.129192248	2.18046E-06	0.000228836	0.000655468	0.001693373	8.8587E-05
2068 Mar	0.135975614	1.00582E-05	1.941663504	2.963929892	0.048811119	0.000453182	7.938289165	0.001502463	0.010594686	0.000369873	0.000219622	9.84842E-05	0.129410774	2.184E-06	0.000229201	0.000656601	0.001696119	8.87268E-05
2068 Apr	0.136866242	1.01236E-05	1.954326391	2.983337879	0.049132627	0.000456125	7.990030766	0.001512262	0.01066367	0.000372293	0.000221051	9.91254E-05	0.13025707	2.19819E-06	0.000230688	0.000660909	0.001707145	8.93014E-05
2068 May	0.142605469	1.01706E-05	1.990390897	3.099500656	0.05274779	0.000450044	8.104861259	0.001542805	0.010766719	0.000405452	0.000224809	0.000102104	0.134458348	2.20438E-06	0.000228681	0.0006989	0.001724185	8.77919E-05
2068 Jun	0.139189929	9.18315E-06	1.937696099	3.059406281	0.055786837	0.000395825	7.915010452	0.001482716	0.009759029	0.000438	0.000231215	0.000101961	0.132665962	2.00653E-06	0.000225707	0.000727029	0.001638364	8.99413E-05
2068 Jul	0.139357939	9.48684E-06	1.941082835	3.034181595	0.054556154	0.000395619	7.903250694	0.001497506	0.009974969	0.000427213	0.000236072	0.000101733	0.131796479	2.0667E-06	0.000226268	0.000722384	0.00169454	8.97557E-05
2068 Aug	0.144910142	9.94015E-06	2.015776634	3.148449898	0.056341134	0.000412954	8.198927879	0.001558416	0.010421241	0.000440894	0.00024374	0.000105573	0.136746228	2.16236E-06	0.000233891	0.000745137	0.00176431	9.23922E-05
2068 Sep	0.143102139	9.97582E-06	1.986699224	3.10242033	0.054671284	0.000419545	8.065887451	0.001541346	0.010463355	0.000425575	0.000235635	0.000103475	0.134635881	2.16314E-06	0.000228454	0.000724348	0.001743998	8.89836E-05
2068 Oct	0.142299265	9.99447E-06	1.9731915	3.081362486	0.053804178	0.000424229	8.007120132	0.001533028	0.010504789	0.00041758	0.000231579	0.000102356	0.133648664	2.16397E-06	0.000226214	0.00071432	0.001733525	8.74426E-05
2068 Nov	0.142587274	1.00212E-05	1.979117513	3.088872194	0.053880636	0.000426291	8.033788681	0.001537053	0.010534792	0.000417982	0.000232085	0.000102618	0.134005725	2.17008E-06	0.000227197	0.000715348	0.001737267	8.78644E-05
2068 Dec	0.14259097	1.00233E-05	1.983135462	3.091858625	0.053899225	0.000427585	8.05557251	0.001538782	0.010537537	0.000417942	0.000232543	0.000102797	0.134204507	2.17158E-06	0.000228327	0.000715412	0.001737847	8.84728E-05
2069 Jan	0.142582446	1.00228E-05	1.984942436	3.093140602	0.053908154	0.000428161	8.065634727	0.00153948	0.010537403	0.000417894	0.000232746	0.000102875	0.134293526	2.172E-06	0.000228861	0.00071541	0.001737884	8.87654E-05
2069 Feb	0.14260155	1.00236E-05	1.98624754	3.094393492	0.053925309	0.000428522	8.072463989	0.001540087	0.010538461	0.000417941	0.000232892	0.000102933	0.134365782	2.17246E-06	0.000229189	0.000715546	0.001738098	8.89414E-05
2069 Mar	0.142606884	1.00238E-05	1.987364173	3.095316887	0.053935401	0.000428848	8.078489304	0.001540564	0.010538846	0.000417952	0.000233021	0.000102983	0.134423941	2.17278E-06	0.000229495	0.000715607	0.001738216	8.91076E-05
2069 Apr	0.142833814	1.00396E-05	1.990971446	3.10059309	0.054025006	0.000429662	8.093794823	0.001543192	0.010555553	0.000418614	0.000233442	0.000103166	0.134660766	2.17633E-06	0.000229987	0.000716761	0.001740993	8.93192E-05
2069 May	0.145503938	1.01954E-05	2.022512197	3.156531334	0.055149347	0.000435166	8.216810226	0.001568485	0.010724409	0.000427844	0.000237053	0.000104906	0.13698332	2.20928E-06	0.000232778	0.000730862	0.001768476	9.02553E-05
2069 Jun	0.133831963	9.7723E-06	1.864242077	2.858228207	0.049838737	0.000382537	7.498707771	0.001469631	0.010086879	0.000385015	0.000239276	9.67472E-05	0.124478482	2.11068E-06	0.000215843	0.000696514	0.001770708	8.37827E-05
2069 Jul	0.13403815	1.00624E-05	1.888755798	2.851723909	0.048993707	0.000387174	7.593971252	0.001494067	0.010299421	0.00037608	0.000248612	9.75776E-05	0.124752738	2.17371E-06	0.000222205	0.000699279	0.001838374	8.67709E-05
2069 Aug	0.135885432	1.03238E-05	1.911183	2.882506132	0.049062435	0.000396237	7.670072079	0.001516874	0.010519529	0.000375857	0.000248498	9.86304E-05	0.126076013	2.22519E-06	0.000222824	0.000698291	0.001864495	8.63108E-05
2069 Sep	0.129972935	1.00886E-05	1.854867816	2.774454832	0.045704219	0.000408401	7.47601366	0.001466046	0.010323859	0.000345168	0.000232827	9.45777E-05	0.121719733	2.17403E-06	0.00021898	0.000650578	0.001780494	8.4376E-05
2069 Oct	0.120618403	9.6766E-06	1.805177212	2.633517504	0.040529683	0.000441937	7.399699211	0.001398909	0.010046116	0.000296035	0.000213022	8.9611E-05	0.116792426	2.09716E-06	0.000225888	0.000577476	0.001646504	8.82586E-05
2069 Nov	0.119417466	9.65412E-06	1.80771625	2.621703148	0.039689168	0.000452559	7.438964367	0.001394343	0.010055448	0.000287393	0.000210291	8.91896E-05	0.116571434	2.0952E-06	0.000229203	0.000565588	0.001628844	8.98466E-05
2069 Dec	0.119435996	9.65661E-06	1.808956385	2.622810125	0.039694838	0.000453017	7.44535017	0.001394972	0.010058452	0.000287377	0.000210405	8.92423E-05	0.116636336	2.09597E-06	0.000229509	0.000565628	0.001629179	9.00013E-05
2070 Jan	0.119443685	9.65636E-06	1.809690714	2.623529434	0.039704833	0.000453241	7.44932127	0.001395273	0.010058597	0.000287378	0.000210472	8.92718E-05	0.116678067	2.09609E-06	0.000229703	0.00056568	0.001629137	9.01056E-05
2070 Feb	0.119461827	9.65617E-06	1.810284376	2.624294758	0.039720733	0.000453371	7.452358246	0.001395548	0.010058748	0.000287426	0.000210529	8.92961E-05	0.116716795	2.09618E-06	0.000229833	0.000565806	0.001629138	9.01761E-05
2070 Mar	0.119539663	9.66156E-06	1.811626911	2.626196384	0.039751921	0.000453697	7.458194256	0.001396487	0.010064551	0.000287616	0.000210679	8.93597E-05	0.116803765	2.09741E-06	0.000230032	0.000566196	0.001630065	9.02642E-05
2070 Apr	0.119978346	9.69529E-06	1.818087816	2.635822296	0.03990446	0.000455271	7.484711647	0.001401465	0.010099986	0.000288675	0.000211417	8.96755E-05	0.117228098	2.10472E-06	0.000230828	0.000568299	0.001635745	9.05737E-05
2070 May	0.126119569	9.7863E-06	1.858000875	2.758445263	0.043571446	0.000450502	7.612296581	0.001436092	0.010246646	0.000322027	0.000215384	9.28059E-05	0.121677518	2.11985E-06	0.000228856	0.000607233	0.001658552	8.89572E-05
2070 Jun	0.135800585	9.51122E-06	1.893479943	2.953909636	0.051506162	0.000413478	7.686943054	0.001466494	0.010059266	0.000397563	0.000223291	9.78597E-05	0.128298476	2.05595E-06	0.000219859	0.000688983	0.001657923	8.48333E-05
2070 Jul	0.139052629	9.88336E-06	1.937632918	3.008690357	0.052128848	0.000421625	7.849156857	0.001507723	0.010397489	0.000401828	0.00023138	9.99848E-05	0.130763277	2.1333E-06	0.00022479	0.000704148	0.001727517	8.64931E-05
2070 Aug	0.14203994	1.01982E-05	1.972635269	3.059978724	0.052640419	0.00043106	7.97897768	0.001540257	0.010683736	0.000405766	0.00023372	0.000101689	0.13294436	2.19697E-06	0.000227221	0.00070969	0.001766469	8.68642E-05
2070 Sep	0.13578859	9.99786E-06	1.909045696	2.936976671	0.048845585	0.000442078	7.746671677	0.001487248	0.010518649	0.000371317	0.000218428	9.71063E-05	0.127916709	2.15177E-06	0.000222263	0.000660394	0.00169125	8.42542E-05
2070 Oct	0.129611492	9.77038E-06	1.878230333	2.839750528	0.045373809	0.000461765	7.697716713	0.001446739	0.010350036	0.000338392	0.00020792	9.39987E-05	0.124566883	2.11057E-06	0.000227306	0.000614559	0.001618918	8.71444E-05
2070 Nov	0.129148483	9.76247E-06	1.881271958	2.836225748	0.045087438	0.000465696	7.723063469	0.001446088	0.01034977	0.000335348	0.000207512	9.39651E-05	0.124570198	2.11059E-06	0.000229181	0.000610639	0.001614098	8.81185E-05
2070 Dec	0.12915872	9.76393E-06	1.881468654	2.836470366	0.045086298	0.00046582	7.723932266	0.001446234	0.01035153	0.000335323	0.000207511	9.39707E-05	0.124581449	2.11089E-06	0.00022921	0.000610634	0.001614224	8.81267E-05
2071 Jan	0.129168019	9.76405E-06	1.881825805	2.836897373	0.04509319	0.000465926	7.725773811	0.001446401	0.010351916	0.000335329	0.00020754	9.39841E-05	0.124603659	2.11099E-06	0.000229291	0.000610683	0.001614227	8.81691E-05
2071 Feb	0.129184827	9.76415E-06	1.882059693	2.837345362	0.045104485	0.000465957	7.72683239	0.001446538	0.010352245	0.000335371	0.000207558	9.39928E-05	0.124622777	2.11103E-06	0.000229321	0.000610785	0.001614247	8.81841E-05
2071 Mar	0.129209101	9.76537E-06	1.88250351	2.837992668	0.04511648	0.000466058	7.728834629	0.001446822	0.010353668	0.000335433	0.000207603	9.4013E-05	0.124652565	2.11133E-06	0.000229392	0.000610915	0.00161446	8.82174E-05
2071 Apr	0.129410401	9.78021E-06	1.885418773	2.842428684	0.045188379	0.00046677	7.740816116	0.001449054	0.010369476	0.000335955	0.000207922	9.41577E-05	0.12484698	2.11455E-06	0.000229745	0.000611874	0.001616914	8.83538E-05
2071 May	0.135198161	9.77388E-06	1.915296793	2.957801342	0.049087889	0.000455962	7.824980736	0.001475439	0.010417752	0.000372306	0.000211309	9.70466E-05	0.128885463	2.1091E-06	0.000226006	0.000652146	0.001628048	8.61525E-05
2071 Jun	0.138839588	9.29696E-06	1.909393549	3.031715631	0.054341327	0.000408316	7.755804062	0.001470375	0.009930152	0.00042413	0.000221682	9.96191E-05	0.131126761	2.00899E-06	0.000219165	0.000710366	0.001619023	8.4559E-05
2071 Jul	0.138703987	9.51507E-06	1.92984271	3.023070812	0.053577833	0.000412283	7.840489864	0.001489229	0.010081614	0.000416148	0.000229598	0.000100309	0.13129133	2.05753E-06	0.000225175	0.000711672	0.001672436	8.75311E-05
2071 Aug	0.142469496	9.85497E-06	1.981306791	3.100734711	0.054673325	0.000426034	8.040545464	0.001532046	0.010407615	0.000424067	0.000234107	0.000102921	0.13466762	2.12815E-06	0.000230035	0.000725263	0.001721038	8.90161E-05
2071 Sep	0.137742594	9.77424E-06	1.914065123	2.990736008	0.051570326	0.000428214	7.745755672	0.001487693	0.010295207	0.00039664	0.000219683	9.87616E-05	0.129815906	2.10175E-06	0.000219224	0.000684615	0.001669839	8.31864E-05
2071 Oct	0.134172902	9.65764E-06	1.893541336	2.931124687	0.049460847	0.000439114	7.701931	0.001463682	0.010211196	0.000376814	0.000213367	9.67943E-05	0.127689794	2.08019E-06	0.000221386	0.00065753	0.001629939	8.44114E-05
2071 Nov	0.132432729	9.63694E-06	1.885718703	2.902706623	0.048185442	0.000448716	7.692198753	0.001453522	0.010218694	0.000364507	0.00020941	9.57315E-05	0.126704797	2.07691E-06	0.000222936	0.00064159	0.001610651	8.50364E-05
2071 Dec	0.132350624	9.63821E-06	1.88564086	2.901520967	0.0481111	0.000449479	7.693306446	0.001453204	0.01022206	0.000363765	0.000209188	9.56822E-05	0.126669317	2.07725E-06	0.000223084	0.000640675	0.001609772	8.50921E-05
2072 Jan	0.132375553	9.63907E-06	1.88584888	2.902046204	0.048122473	0.000449531	7.694086552	0.001453369	0.010223341	0.000363797	0.000209188	9.56875E-05	0.126689091	2.07741E-06	0.000223087	0.000640785	0.00160984	8.50878E-05
2072 Feb	0.132409826	9.63973E-06	1.886159062	2.902800083	0.048142146	0.000449555	7.695291042	0.001453598	0.010224397	0.000363882	0.000209208	9.56989E-05	0.126718313	2.07755E-06	0.000223099	0.00064098	0.001609941	8.50903E-05
2072 Mar	0.132444218	9.64123E-06	1.886533737	2.903541327	0.048158459	0.000449616	7.696761608	0.001453887	0.010226183	0.000363972	0.000209242	9.57156E-05	0.126748353	2.07786E-06	0.000223127	0.000641161	0.001610185	8.50989E-05
2072 Apr	0.132803693	9.66684E-06	1.89158833	2.911413908	0.048291277	0.000450805	7.717349529	0.001457783	0.010253454	0.000364957	0.000209798	9.59708E-05	0.127090693	2.08338E-06	0.000223716	0.000642909	0.001614459	8.53221E-05
2072 May	0.134644523	9.79993E-06	1.917659283	2.951718807	0.048964098	0.000456981	7.823589325	0.001477895	0.010394744	0.000370049	0.000212688	9.72956E-05	0.128847301	2.11204E-06	0.000226777	0.000651843	0.0016367	8.64863E-05
2072 Jun	0.124724045	9.68933E-06	1.775607705	2.668442249	0.043407947	0.000407962	7.144369602	0.001402517	0.010028159	0.000324632	0.000218743	8.97277E-05	0.116923541	2.0768E-06	0.000209761	0.00062191	0.001692374	7.9316E-05
2072 Jul	0.123809889	9.873E-06	1.763617754	2.621155024	0.041965958	0.000402056	7.075428963	0.001403737	0.01011718	0.000312965	0.00022181	8.88447E-05	0.115098625	2.11237E-06	0.000208782	0.000612164	0.001728645	7.87954E-05
2072 Aug	0.119165942	9.85971E-06	1.750276327	2.554261208	0.03940513	0.000418379	7.053635597	0.001385311	0.0099658	0.000287848	0.000210559	8.77987E-05	0.113092214	2.11087E-06	0.000210071	0.000565835	0.001676747	7.97639E-05
2072 Sep	0.114650853	9.75592E-06	1.735013485	2.492510796	0.037050497	0.000435395	7.035880566	0.001362126	0.009816017	0.000264516	0.000200457	8.63573E-05	0.111174121	2.09221E-06	0.000212565	0.000526737	0.001620119	8.1289E-05
2072 Oct	0.109543324	9.48902E-06	1.725328922	2.430802584	0.034390286	0.000459884	7.098316669	0.001330315	0.00966058	0.000238399	0.000191654	8.43182E-05	0.109432653	2.04711E-06	0.000222215	0.000488415	0.001542371	8.6603E-05
2072 Nov	0.108934462	9.46699E-06	1.727245927	2.425678968	0.034007102	0.000465131	7.122964859	0.00132784	0.009658583	0.000234426	0.000190495	8.41389E-05	0.109368771	2.04431E-06	0.000224231	0.000482932	0.001532647	8.76201E-05
2072 Dec	0.108949378	9.46874E-06	1.727388978	2.425940514	0.034006782	0.000465239	7.123464108	0.001327984	0.009660696	0.000234412	0.000190485	8.41421E-05	0.109378591	2.04464E-06	0.000224235	0.000482943	0.001532802	8.76127E-05
2073 Jan	0.10896907	9.4694E-06	1.727527618	2.426334858	0.034015805	0.000465268	7.123939991	0.001328104	0.009661671	0.000234447	0.000190484	8.41458E-05	0.109392889	2.04476E-06	0.00022423	0.000483033	0.00153286	8.76058E-05
2073 Feb	0.108997755	9.47024E-06	1.72778964	2.426945925	0.034030929	0.000465295	7.124932766	0.001328308	0.009662804	0.000234518	0.000190503	8.41563E-05	0.109416604	2.04493E-06	0.00022424	0.00048319	0.001532992	8.76069E-05
2073 Mar	0.109046265	9.47356E-06	1.728453755	2.428010702	0.034049444	0.00046545	7.127623558	0.00132882	0.009666338	0.000234628	0.000190571	8.41874E-05	0.109462544	2.04564E-06	0.000224313	0.000483422	0.001533526	8.76339E-05
2073 Apr	0.109698854	9.52974E-06	1.738737583	2.442532778	0.034255143	0.000468206	7.170002937	0.001336727	0.009723746	0.000236035	0.000191701	8.46875E-05	0.110116042	2.05777E-06	0.00022564	0.000486324	0.001542619	8.81515E-05
2073 May	0.118491985	9.52307E-06	1.863876581	2.676794767	0.040620469	0.000476741	7.735989571	0.001409287	0.0098263	0.00029129	0.000206509	9.26191E-05	0.120223269	2.07134E-06	0.000243344	0.000549869	0.00156713	9.74583E-05
2073 Jun	0.130291104	9.26294E-06	1.927826405	2.920378447	0.049939666	0.000438305	7.939213753	0.001457888	0.009694104	0.000379158	0.000221476	9.93403E-05	0.128925726	2.01553E-06	0.000239447	0.000651865	0.001590112	9.60827E-05
2073 Jul	0.132007346	9.51267E-06	1.968622684	2.956539631	0.05010033	0.00044797	8.118120193	0.001488674	0.009910259	0.000379321	0.000228049	0.000101181	0.13090089	2.07134E-06	0.000247187	0.000657464	0.001634614	9.96769E-05
2073 Aug	0.134885773	9.81183E-06	2.003578424	3.007459879	0.050632097	0.000457419	8.249502182	0.001520436	0.010183364	0.000383347	0.000230489	0.000102891	0.133084744	2.1321E-06	0.000249857	0.000663294	0.001672099	0.000100213
2073 Sep	0.132441729	9.78923E-06	1.970816135	2.952049255	0.048904393	0.000461397	8.107820511	0.001498652	0.010152825	0.000367724	0.000222518	0.000100718	0.130658716	2.12256E-06	0.000244687	0.000640843	0.001645438	9.72892E-05

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.126531333	9.56696E-06	1.938653469	2.856277466	0.045532495	0.000479521	8.048541069	0.001458506	0.009998112	0.000335924	0.00021263	9.75456E-05	0.127291307	2.08172E-06	0.00024918	0.00059772	0.001577263	9.98478E-05
2073 Nov	0.125357479	9.52979E-06	1.940621614	2.843270302	0.044875212	0.000486201	8.08198452	0.001454135	0.009976756	0.00032925	0.000211521	9.72682E-05	0.127031341	2.07703E-06	0.000252457	0.000588998	0.001564737	0.00010161
2073 Dec	0.125417948	9.53512E-06	1.941471934	2.844560385	0.044890683	0.00048649	8.085421562	0.001454812	0.009982594	0.00032935	0.000211587	9.73066E-05	0.127087161	2.07815E-06	0.000252552	0.000589219	0.001565475	0.000101639
2074 Jan	0.125439674	9.536E-06	1.941641927	2.844995499	0.044900052	0.00048653	8.08602047	0.001454959	0.009983799	0.00032935	0.000211589	9.73117E-05	0.127103299	2.07831E-06	0.000252551	0.000589317	0.001565568	0.000101633
2074 Feb	0.125463739	9.53646E-06	1.941828251	2.845501423	0.044913679	0.000486537	8.086696625	0.001455106	0.009984531	0.000329445	0.0002116	9.73183E-05	0.127122238	2.0784E-06	0.000252551	0.000589453	0.001565636	0.00010163
2074 Mar	0.125536531	9.54124E-06	1.942853928	2.847131014	0.04494248	0.000486772	8.090913773	0.001455878	0.009989681	0.000329635	0.000211706	9.73682E-05	0.127193049	2.07944E-06	0.000252671	0.000589807	0.001566418	0.000101677
2074 Apr	0.126157492	9.58801E-06	1.952406049	2.861201763	0.045166351	0.000489153	8.130661011	0.001463038	0.010038724	0.000331265	0.000212744	9.78461E-05	0.127820507	2.08962E-06	0.000253905	0.000592732	0.001574093	0.000102173
2074 May	0.135983855	9.55066E-06	2.085131168	3.119351149	0.052439064	0.000494657	8.724149704	0.001540543	0.0101171	0.00039487	0.000229035	0.000106522	0.138844371	2.09653E-06	0.000271737	0.00066564	0.001599417	0.000111596
2074 Jun	0.142766371	8.99137E-06	2.107278585	3.27166748	0.059912182	0.000449483	8.787605286	0.00154929	0.009648166	0.000466853	0.000239934	0.000110927	0.144109294	1.98153E-06	0.000267367	0.000743466	0.001574488	0.000111099
2074 Jul	0.146427333	9.3718E-06	2.168510437	3.345919609	0.060855836	0.000462471	9.036639214	0.001598681	0.010002619	0.000473223	0.000249659	0.000113901	0.147615269	2.06362E-06	0.000276275	0.000761164	0.001645599	0.000114825
2074 Aug	0.152619675	9.81624E-06	2.258285046	3.48315239	0.06319014	0.000482898	9.404694557	0.00166708	0.010457435	0.00049115	0.000259198	0.000118574	0.15365465	2.15944E-06	0.000286961	0.000789917	0.001717407	0.000119027
2074 Sep	0.147812605	9.7437E-06	2.186089754	3.365357399	0.059830632	0.000484555	9.088614464	0.00162049	0.010377869	0.000461675	0.000245185	0.000113945	0.148391604	2.13475E-06	0.000275707	0.000749681	0.001671005	0.000112883
2074 Oct	0.142919987	9.62543E-06	2.158895254	3.28057456	0.056773525	0.000499931	9.028813362	0.001589885	0.010295155	0.000432856	0.000237442	0.000111222	0.145386204	2.11335E-06	0.000278927	0.000712596	0.001625225	0.000114591
2074 Nov	0.142165557	9.60809E-06	2.17680645	3.283848763	0.056465868	0.000508635	9.139159203	0.001594402	0.010282752	0.000428794	0.000239086	0.000111841	0.146034673	2.11571E-06	0.000285809	0.000707832	0.001620867	0.000118322
2074 Dec	0.142181113	9.6108E-06	2.179584742	3.286034346	0.056480028	0.000509561	9.153874397	0.00159567	0.010285913	0.000428775	0.000239397	0.000111964	0.146175623	2.11688E-06	0.000286569	0.00070791	0.001621385	0.00011872
2075 Jan	0.142195255	9.6114E-06	2.18020463	3.286703587	0.056489311	0.000509749	9.157038689	0.001595974	0.010286813	0.000428786	0.000239456	0.000111989	0.146211997	2.11712E-06	0.000286715	0.000707983	0.001621475	0.000118796
2075 Feb	0.142230347	9.61277E-06	2.180913687	3.287717819	0.05650901	0.000509907	9.160329819	0.001596397	0.010288518	0.000428878	0.000239528	0.00011202	0.14625971	2.11749E-06	0.000286839	0.000708181	0.001621724	0.000118856
2075 Mar	0.142368421	9.62151E-06	2.182956457	3.290897846	0.056566067	0.000510367	9.168879509	0.001597891	0.010297994	0.000429287	0.000239747	0.000112124	0.146399692	2.11942E-06	0.000287098	0.000708877	0.001623194	0.000118963
2075 Apr	0.142788485	9.654E-06	2.204901934	3.311969519	0.056822795	0.000516658	9.279781342	0.001609149	0.010333222	0.000430548	0.000242341	0.000113161	0.147605777	2.13028E-06	0.000292413	0.000711376	0.001629896	0.000121716
2075 May	0.1457562	9.73377E-06	2.269819498	3.402705431	0.058748145	0.000528792	9.586088181	0.001646132	0.010439133	0.000445715	0.000250092	0.000116713	0.151955634	2.15589E-06	0.000304571	0.000731121	0.001650957	0.000127926
2075 Jun	0.126679555	9.3858E-06	2.027282953	2.904935837	0.048229206	0.000461479	8.490129471	0.001501758	0.009722449	0.000357713	0.000252118	0.000103098	0.131372094	2.0688E-06	0.000280013	0.000656503	0.001685198	0.000118115
2075 Jul	0.122649141	9.51208E-06	1.998156071	2.795817375	0.04531898	0.000452406	8.357720375	0.001489435	0.009711243	0.000332	0.000259121	0.000100998	0.127393171	2.09512E-06	0.000281238	0.000639685	0.001735567	0.000119217
2075 Aug	0.12467134	9.75937E-06	2.021780252	2.829542398	0.045533299	0.000460195	8.440993309	0.001512644	0.009926835	0.000333307	0.000259904	0.000102129	0.128826648	2.14435E-06	0.00028232	0.000641183	0.001763124	0.000119063
2075 Sep	0.125212833	9.86345E-06	2.025687218	2.837572813	0.045340974	0.000466156	8.447585106	0.001518637	0.010034385	0.000330945	0.00025814	0.000102133	0.129087567	2.16356E-06	0.000281374	0.000638645	0.001769056	0.000118065
2075 Oct	0.123651452	9.82251E-06	1.987576723	2.79204464	0.043994345	0.000467608	8.275419235	0.00149505	0.010034997	0.000319535	0.000249336	9.96741E-05	0.126742363	2.14834E-06	0.000273793	0.000621689	0.00173977	0.000113709
2075 Nov	0.12368466	9.84183E-06	1.986529469	2.791491032	0.043855458	0.000469496	8.26962471	0.001494939	0.010063176	0.000318163	0.000248404	9.95089E-05	0.126678765	2.15157E-06	0.000273338	0.00062008	0.001738907	0.000113316
2075 Dec	0.123719029	9.84592E-06	1.987253308	2.79238224	0.043857783	0.000469853	8.272892952	0.001495438	0.010068019	0.00031814	0.000248432	9.95352E-05	0.126721129	2.15245E-06	0.000273458	0.000620124	0.001739322	0.00011336
2076 Jan	0.123743795	9.84681E-06	1.987512231	2.792941332	0.043869287	0.000469922	8.273948669	0.001495625	0.010069327	0.000318178	0.000248438	9.95434E-05	0.126743361	2.15263E-06	0.000273475	0.000620233	0.001739398	0.000113364
2076 Feb	0.123807184	9.84998E-06	1.98831737	2.794358969	0.043898586	0.000470069	8.277230263	0.001496224	0.01007292	0.000318339	0.000248521	9.95801E-05	0.126803219	2.15332E-06	0.000273559	0.00062057	0.00173994	0.000113397
2076 Mar	0.123927079	9.85849E-06	1.990102649	2.797039747	0.043944664	0.000470466	8.284593582	0.001497572	0.010081816	0.000318646	0.000248735	9.96676E-05	0.126922071	2.15517E-06	0.000273786	0.000621181	0.001741433	0.000113489
2076 Apr	0.124249168	9.88354E-06	1.995196819	2.804295063	0.044060864	0.000471656	8.305761337	0.001501408	0.010107541	0.000319474	0.000249366	9.99216E-05	0.127249718	2.16064E-06	0.000274477	0.000622801	0.001745852	0.000113774
2076 May	0.130827591	9.97306E-06	2.026259899	2.928219795	0.047895223	0.000464097	8.382004738	0.001532966	0.010265471	0.000355079	0.000251484	0.000102707	0.131461769	2.17268E-06	0.000268965	0.000663226	0.001765316	0.000110192
2076 Jun	0.137218595	9.41741E-06	2.00815177	3.051379681	0.054611839	0.000416973	8.240214348	0.001521696	0.009822408	0.000421567	0.000251615	0.000104921	0.134745076	2.04822E-06	0.000252763	0.00072756	0.001711625	0.000103012
2076 Jul	0.137292415	9.61549E-06	2.040005207	3.05708456	0.054038085	0.000425768	8.391162872	0.001543865	0.009968262	0.000414856	0.000258958	0.000106141	0.135675743	2.09468E-06	0.000261727	0.000727166	0.001754153	0.00010752
2076 Aug	0.141200095	9.97896E-06	2.094462872	3.136912584	0.055129871	0.000440043	8.603752136	0.001589149	0.010310921	0.000422728	0.000263934	0.000108897	0.139183864	2.17015E-06	0.000267145	0.000740733	0.001806217	0.000109257
2076 Sep	0.141598403	1.00867E-05	2.0970788	3.141685009	0.054801542	0.000446709	8.605579376	0.001594256	0.010423962	0.000419091	0.000261816	0.000108769	0.13931334	2.19001E-06	0.000266131	0.000736776	0.00181145	0.00010819
2076 Oct	0.136567056	9.9016E-06	2.023819923	3.027205229	0.051561195	0.000450065	8.307282448	0.001540814	0.010292896	0.000390916	0.000246409	0.000103924	0.134171754	2.14449E-06	0.000256323	0.00069599	0.001743813	0.000102943
2076 Nov	0.135638803	9.87636E-06	2.017967463	3.011543989	0.050956011	0.000453808	8.29364872	0.001534294	0.010280556	0.000385193	0.00024425	0.000103339	0.133596286	2.13959E-06	0.000256699	0.00068808	0.00173212	0.0001031
2076 Dec	0.135691717	9.88099E-06	2.018685818	3.012651443	0.050969534	0.000454051	8.296515465	0.001534876	0.010285641	0.000385282	0.000244308	0.000103372	0.133643806	2.14055E-06	0.000256776	0.00068828	0.001732772	0.000103122
2077 Jan	0.135709435	9.88163E-06	2.01881671	3.013010502	0.050977305	0.000454085	8.296977043	0.001534987	0.010286586	0.000385305	0.000244305	0.000103375	0.133656919	2.14067E-06	0.000256773	0.000688355	0.00173282	0.000103116
2077 Feb	0.135741696	9.88275E-06	2.019161224	3.013721228	0.050993927	0.000454133	8.298344612	0.001535244	0.010288005	0.000385388	0.000244335	0.000103389	0.133685589	2.14091E-06	0.000256798	0.000688532	0.001733004	0.000103124
2077 Mar	0.135794342	9.88592E-06	2.019872189	3.014888287	0.051016178	0.000454276	8.301241875	0.001535782	0.010291436	0.000385533	0.000244414	0.000103424	0.133735821	2.14159E-06	0.000256879	0.000688806	0.001733553	0.000103156
2077 Apr	0.136219218	9.91646E-06	2.026140928	3.024313211	0.051177148	0.000455676	8.326979637	0.00154055	0.010323311	0.000386737	0.000245169	0.000103744	0.134152859	2.14821E-06	0.000257669	0.000690965	0.001738904	0.000103472
2077 May	0.140948147	9.95966E-06	2.058889389	3.122572899	0.05411778	0.000452572	8.439856529	0.001566788	0.010417716	0.00041355	0.000248029	0.000106289	0.137764946	2.15532E-06	0.000256801	0.000721153	0.001751294	0.000102645
2077 Jun	0.142359987	9.42208E-06	2.050766706	3.169319391	0.057860199	0.000420615	8.409884453	0.001549667	0.009917209	0.000450598	0.000252491	0.000107867	0.139264062	2.04686E-06	0.000254212	0.000756539	0.001705371	0.000103177
2077 Jul	0.146015421	9.84362E-06	2.095950127	3.227519035	0.058593735	0.000427735	8.562590599	0.001595057	0.010299847	0.000455624	0.000262225	0.000110075	0.141807079	2.1329E-06	0.000258435	0.000776516	0.001789819	0.0001043
2077 Aug	0.150430143	1.02269E-05	2.158033371	3.320573568	0.059983503	0.000443523	8.806444168	0.001645629	0.010668233	0.000465779	0.000268196	0.000113262	0.145887882	2.21292E-06	0.000264788	0.000793954	0.001847034	0.000106434
2077 Sep	0.140675023	9.93382E-06	2.051021576	3.120718241	0.054304861	0.000451223	8.388475418	0.001562613	0.010347257	0.000415062	0.000244795	0.000106294	0.137605697	2.14515E-06	0.000253331	0.000718103	0.001737986	0.000100831
2077 Oct	0.137569308	9.8606E-06	2.046812534	3.078322172	0.05234259	0.00046802	8.424916267	0.00154771	0.010314833	0.000395735	0.000239899	0.000105035	0.136405244	2.13475E-06	0.000259123	0.00069241	0.001703469	0.0001038
2077 Nov	0.137731239	9.87897E-06	2.056265116	3.08696723	0.052408837	0.000471261	8.472824097	0.001552586	0.010335723	0.000395836	0.000240879	0.000105452	0.136910349	2.1402E-06	0.000261448	0.000693014	0.001706282	0.000104973
2077 Dec	0.137783349	9.8834E-06	2.056981802	3.088071823	0.052423026	0.000471495	8.475701332	0.001553159	0.010340584	0.000395932	0.000240939	0.000105485	0.136957958	2.14113E-06	0.000261527	0.000693217	0.001706914	0.000104997
2078 Jan	0.137812376	9.88494E-06	2.057289124	3.088680506	0.052434869	0.000471567	8.476885796	0.001553406	0.010342431	0.000395991	0.000240959	0.000105497	0.136982337	2.14144E-06	0.000261547	0.000693352	0.001707127	0.000105001
2078 Feb	0.137845322	9.88626E-06	2.057638407	3.089391947	0.052451074	0.000471619	8.478250504	0.001553675	0.010344021	0.000396078	0.00024099	0.000105513	0.137010992	2.14171E-06	0.000261572	0.000693529	0.001707343	0.000105008
2078 Mar	0.137886688	9.88865E-06	2.058178425	3.090304613	0.052468814	0.000471727	8.480435371	0.001554085	0.010346645	0.000396192	0.000241048	0.000105539	0.137049899	2.14223E-06	0.000261629	0.000693743	0.001707751	0.00010503
2078 Apr	0.138673291	9.94474E-06	2.06987524	3.107925177	0.052769281	0.000474399	8.528606415	0.001562919	0.010405393	0.00039845	0.000242415	0.000106138	0.137830451	2.15437E-06	0.00026311	0.000697704	0.001717433	0.000105624
2078 May	0.148981586	9.85151E-06	2.144144773	3.335699081	0.060103662	0.000462111	8.807276726	0.001614337	0.010444423	0.000465903	0.000249421	0.00011227	0.14632459	2.13459E-06	0.000263047	0.000769633	0.001721116	0.000105422
2078 Jun	0.152421355	9.36882E-06	2.168272972	3.437600136	0.064863101	0.000439622	8.930703163	0.001615624	0.01003961	0.000511205	0.000254572	0.000115503	0.150244236	2.0407E-06	0.000265224	0.000811943	0.001674115	0.00010811
2078 Jul	0.157782242	9.8034E-06	2.241429806	3.545367241	0.066599943	0.000454354	9.221388817	0.001675193	0.010466319	0.000524761	0.000264016	0.000119252	0.154978275	2.1325E-06	0.00027369	0.000836414	0.001748273	0.00011129
2078 Aug	0.158666372	1.00303E-05	2.244066954	3.544262409	0.065978989	0.000458044	9.213068008	0.00168562	0.010640197	0.000519761	0.000261809	0.000119194	0.154850304	2.17524E-06	0.000271512	0.000827087	0.0017651	0.000109575
2078 Sep	0.158010185	1.01351E-05	2.234961987	3.525748014	0.065063089	0.0004638	9.160326958	0.001683674	0.010714127	0.000510847	0.000257629	0.000118466	0.154028535	2.19309E-06	0.000268487	0.000815126	0.001764836	0.000107554
2078 Oct	0.155029565	1.00584E-05	2.213069201	3.470451832	0.063194901	0.000471291	9.094987869	0.00166272	0.010658229	0.000493517	0.00025232	0.000116581	0.151941195	2.1779E-06	0.000268894	0.000792654	0.001736194	0.000107783
2078 Nov	0.154468477	1.00542E-05	2.217404842	3.465950012	0.062836595	0.000476054	9.128125191	0.001662513	0.010660495	0.000489692	0.000252143	0.000116571	0.151957095	2.17896E-06	0.000271392	0.000788088	0.001731992	0.000109076
2078 Dec	0.154499859	1.00572E-05	2.218087912	3.466794729	0.06284453	0.000476304	9.131219864	0.001662967	0.010663873	0.000489729	0.000252199	0.0001166	0.151998013	2.17963E-06	0.000271511	0.000788192	0.00173239	0.000109127
2079 Jan	0.154505029	1.00573E-05	2.218514204	3.467208862	0.062849492	0.000476446	9.133485794	0.00166315	0.010664183	0.000489712	0.000252236	0.000116616	0.152022183	2.17973E-06	0.000271623	0.000788216	0.001732382	0.000109185
2079 Feb	0.154520169	1.00574E-05	2.218726635	3.467614889	0.062859595	0.000476478	9.134449005	0.001663273	0.01066449	0.000489744	0.000252252	0.000116623	0.152039573	2.17977E-06	0.000271651	0.000788307	0.001732395	0.000109199
2079 Mar	0.154614002	1.0063E-05	2.220138311	3.469805479	0.062900305	0.000476779	9.140394211	0.00166429	0.010670583	0.000490033	0.000252408	0.000116695	0.152136609	2.18102E-06	0.000271837	0.000788795	0.001733369	0.000109277
2079 Apr	0.155116722	1.00955E-05	2.227314949	3.481078625	0.063105829	0.000478312	9.169917107	0.001669671	0.010705036	0.000491621	0.000253221	0.000117071	0.152630031	2.18804E-06	0.000272709	0.000791363	0.001738952	0.000109627
2079 May	0.157667026	1.02259E-05	2.255394459	3.53431201	0.064254783	0.000482556	9.277511597	0.00169227	0.010849656	0.000501257	0.000256346	0.000118682	0.154802516	2.21514E-06	0.000274864	0.000805208	0.00176214	0.000110282
2079 Jun	0.140050814	9.57743E-06	2.040961504	3.108715296	0.055994358	0.0004203	8.352953911	0.001548768	0.009944855	0.000433219	0.000255978	0.000107033	0.13728787	2.0743E-06	0.000255965	0.000742171	0.0017378	0.000104048
2079 Jul	0.135642022	9.66012E-06	2.020231962	3.005796909	0.052962296	0.000418307	8.281362534	0.001535769	0.009912294	0.000405802	0.000261049	0.000105167	0.133779809	2.09466E-06	0.00026036	0.000719221	0.001769332	0.000106861
2079 Aug	0.139122352	1.00007E-05	2.063637495	3.069238901	0.053727016	0.000429109	8.44709301	0.001574091	0.010227242	0.000411708	0.000264765	0.000107323	0.136519507	2.1643E-06	0.000264147	0.000728342	0.001814943	0.000107866
2079 Sep	0.134848416	9.90372E-06	2.011149883	2.979215145	0.050814543	0.0004385	8.238927841	0.001534745	0.010160283	0.000385328	0.00025089	0.000103607	0.132619053	2.13895E-06	0.0002574	0.000689781	0.001758789	0.000104049
2079 Oct	0.131152585	9.78288E-06	2.001116753	2.928006172	0.048616353	0.000456415	8.257386208	0.001513645	0.010092084	0.000363836	0.000244163	0.000101959	0.131052598	2.11869E-06	0.000262835	0.000659876	0.001711808	0.000106883
2079 Nov	0.129396915	9.73411E-06	1.999449253	2.905801535	0.047529921	0.000466788	8.282917976	0.001505038	0.010071696	0.000353009	0.000241045	0.000101268	0.130453065	2.11137E-06	0.000266283	0.000645063	0.001689621	0.000108637
2079 Dec	0.128163666	9.70356E-06	1.991551876	2.885188341	0.046685621	0.000472604	8.264684677	0.001496234	0.010063196	0.000344971	0.000237823	0.000100442	0.129687116	2.10535E-06	0.00026673	0.000634007	0.001673099	0.00010877
2080 Jan	0.12818256	9.70361E-06	1.991957188	2.885835648	0.046697836	0.000472736	8.266709328	0.001496428	0.010063843	0.000344974	0.000237834	0.000100453	0.129717007	2.10541E-06	0.000266806	0.000634088	0.00167301	0.000108807
2080 Feb	0.128231287	9.70459E-06	1.992398143	2.886905193	0.046725597	0.000472772	8.268418312	0.001496754	0.010065383	0.000345095	0.000237862	0.000100469	0.129758462	2.10561E-06	0.000266823	0.000634363	0.001673157	0.00010881
2080 Mar	0.128262416	9.70546E-06	1.992679	2.887568235	0.046742197	0.0004728	8.269481659	0.001496972	0.010066574	0.000345174	0.000237882	0.00010048	0.129784152	2.10578E-06	0.000266833	0.000634534	0.001673294	0.000108811
2080 Apr	0.128558785	9.72706E-06	1.997169852	2.894218922	0.046853129	0.000473843	8.288059235	0.00150035	0.010089137	0.000345968	0.000238411	0.000100705	0.13008076	2.11046E-06	0.000267419	0.00063601	0.00167701	0.000109048
2080 May	0.130512446	9.86566E-06	2.025697708	2.937487364	0.047596619	0.000480244	8.404970169	0.001522045	0.010234292	0.000351621	0.000241788	0.000102171	0.131991029	2.14033E-06	0.000270986	0.000645862	0.001701023	0.000110465
2080 Jun	0.120127417	9.67495E-06	1.877246261	2.651142597	0.041977368	0.000432712	7.710185051	0.001438757	0.009819173	0.000305688	0.000244695	9.42152E-05	0.119842768	2.09014E-06	0.000252948	0.000611978	0.001735976	0.000102904
2080 Jul	0.116325639	9.72391E-06	1.83855176	2.544624567	0.039341055	0.000420605	7.539321423	0.001418344	0.009745442	0.000283736	0.000247391	9.18221E-05	0.115719765	2.09901E-06	0.000251124	0.000591398	0.001760029	0.000102582
2080 Aug	0.117508568	9.93306E-06	1.85170114	2.558876753	0.039070372	0.000427046	7.585242271	0.001432985	0.009909323	0.000281401	0.0002457	9.23642E-05	0.116351239	2.14001E-06	0.000251157	0.000584169	0.001773055	0.000102062

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.114718772	9.87873E-06	1.850297332	2.529430151	0.037578408	0.000443618	7.618200302	0.001421558	0.009835904	0.000265872	0.000238353	9.17594E-05	0.115658395	2.13145E-06	0.00025452	0.000557152	0.001731502	0.000103819
2080 Oct	0.112230323	9.76256E-06	1.85963583	2.512279272	0.036225572	0.000464372	7.725955486	0.001411348	0.009790707	0.000251488	0.000233541	9.1261E-05	0.115598135	2.11431E-06	0.000262968	0.000535383	0.001687172	0.000108184
2080 Nov	0.110745527	9.70351E-06	1.862071157	2.499922752	0.035294514	0.000477667	7.774189949	0.001403919	0.00978252	0.000241802	0.000229573	9.07228E-05	0.115399718	2.1052E-06	0.000267047	0.000520926	0.001658842	0.000110162
2080 Dec	0.110688679	9.70386E-06	1.862329364	2.499613047	0.035235129	0.000478671	7.777121544	0.001403699	0.00978686	0.000241173	0.000229273	9.06868E-05	0.115399271	2.10536E-06	0.000267239	0.000520051	0.001657414	0.000110231
2081 Jan	0.110720508	9.70507E-06	1.862639546	2.500305414	0.035249684	0.000478747	7.778339863	0.001403935	0.009788562	0.00024123	0.000229282	9.06974E-05	0.115426332	2.1056E-06	0.000267255	0.000520197	0.001657538	0.000110232
2081 Feb	0.110756323	9.70578E-06	1.862922072	2.501060963	0.035269849	0.000478761	7.779372692	0.001404157	0.009789682	0.000241321	0.000229298	9.07077E-05	0.115454718	2.10574E-06	0.000267256	0.000520398	0.001657642	0.000110228
2081 Mar	0.110804006	9.70862E-06	1.863549232	2.502108574	0.035289835	0.00047889	7.781910896	0.001404635	0.009792777	0.000241433	0.000229365	9.07364E-05	0.115499534	2.10634E-06	0.000267324	0.00052064	0.00165812	0.000110254
2081 Apr	0.111213334	9.74178E-06	1.870076895	2.511292458	0.035429962	0.000480501	7.809004784	0.001409565	0.009826673	0.000242339	0.000230147	9.10505E-05	0.11591623	2.11352E-06	0.000268216	0.0005226	0.001663763	0.000110617
2081 May	0.123617679	9.79074E-06	1.928563714	2.75326252	0.043260653	0.000462356	7.962657928	0.001464709	0.010020644	0.000314924	0.000234299	9.65545E-05	0.124173678	2.11392E-06	0.000258147	0.000603218	0.001686078	0.000104451
2081 Jun	0.132059142	9.5118E-06	1.990242362	2.953371048	0.050383791	0.000444186	8.20665741	0.001500712	0.009866429	0.000380863	0.000241975	0.000102203	0.131701455	2.05895E-06	0.000259153	0.000672577	0.001671323	0.000105578
2081 Jul	0.13797836	9.99263E-06	2.086517334	3.085457802	0.052465796	0.000465794	8.606732368	0.001573396	0.010346981	0.000396027	0.000254797	0.000107045	0.137759373	2.16361E-06	0.000272824	0.00070263	0.00175836	0.000111343
2081 Aug	0.144036084	1.04747E-05	2.176417828	3.21767664	0.05456429	0.000487272	8.971704483	0.001643192	0.010829102	0.00041158	0.000264835	0.000111627	0.143644214	2.26629E-06	0.000283771	0.000730176	0.001836773	0.000115567
2081 Sep	0.142994463	1.05337E-05	2.157381058	3.189369202	0.053510834	0.000491232	8.876267433	0.001634102	0.010867046	0.000401854	0.000258828	0.00011039	0.142293513	2.27374E-06	0.000278866	0.000715707	0.001826328	0.000112628
2081 Oct	0.141894951	1.05174E-05	2.134472609	3.158841372	0.052557241	0.000492846	8.77456665	0.001619866	0.010875157	0.000393601	0.000253644	0.000108844	0.140783951	2.26682E-06	0.000274621	0.000704438	0.001810233	0.000110164
2081 Nov	0.139701068	1.04281E-05	2.094312429	3.103200674	0.051130436	0.000491334	8.60101223	0.00159293	0.010810871	0.000381666	0.000246104	0.000106371	0.13813664	2.24375E-06	0.000267995	0.000687014	0.001779921	0.00010665
2081 Dec	0.139492497	1.04243E-05	2.090026855	3.097466707	0.050954666	0.000491589	8.582038879	0.001590245	0.010811543	0.000380149	0.00024515	0.000106084	0.137854233	2.24234E-06	0.00026721	0.00068493	0.001776887	0.000106198
2082 Jan	0.139514178	1.04247E-05	2.090092897	3.097873926	0.050964955	0.000491607	8.582151413	0.001590322	0.010812433	0.000380166	0.000245127	0.000106082	0.137866899	2.24238E-06	0.000267179	0.000685019	0.001776849	0.000106177
2082 Feb	0.139564589	1.04262E-05	2.090556383	3.09894824	0.050991543	0.000491655	8.583909035	0.001590683	0.01081443	0.000380294	0.000245161	0.0001061	0.137908697	2.24268E-06	0.000267198	0.000685296	0.001777085	0.000106179
2082 Mar	0.139650553	1.04314E-05	2.091685295	3.100832701	0.051027399	0.000491887	8.588464737	0.001591546	0.010820053	0.000380523	0.000245283	0.000106155	0.137989268	2.24379E-06	0.00026732	0.000685734	0.001777958	0.000106225
2082 Apr	0.140018895	1.04582E-05	2.097110987	3.108996868	0.051164534	0.000493144	8.610697746	0.001595677	0.010847995	0.000381523	0.000245913	0.000106429	0.13835071	2.24955E-06	0.000268001	0.000687551	0.001782521	0.000106494
2082 May	0.141797006	1.05897E-05	2.123511553	3.148397207	0.051818844	0.000499303	8.718916893	0.001615795	0.010984616	0.000386415	0.000249004	0.000107771	0.14009957	2.27781E-06	0.000271342	0.000696309	0.001804951	0.000107817
2082 Jun	0.121632695	9.93823E-06	1.922880054	2.688257456	0.04230956	0.000442547	7.894282341	0.001473764	0.010013805	0.000305825	0.000254252	9.64405E-05	0.122070648	2.14517E-06	0.000262082	0.000622805	0.001793638	0.000107217
2082 Jul	0.113027811	9.77347E-06	1.874819517	2.507855177	0.037941631	0.000429793	7.739030838	0.001432846	0.009678481	0.000267195	0.00026193	9.31687E-05	0.115854487	2.11944E-06	0.000269204	0.000587806	0.001807656	0.000112778
2082 Aug	0.115986139	1.01034E-05	1.916898966	2.565974712	0.038536552	0.000442513	7.898965836	0.001469476	0.009976309	0.000270867	0.00026519	9.52297E-05	0.118440211	2.18693E-06	0.000273037	0.000595212	0.001851522	0.000113801
2082 Sep	0.116305381	1.02014E-05	1.915034056	2.568536758	0.038173713	0.000449017	7.878757954	0.001471882	0.010079478	0.000267035	0.000261449	9.49064E-05	0.11839164	2.20382E-06	0.000270555	0.000589336	0.001850611	0.000111942
2082 Oct	0.111470267	9.89658E-06	1.841379881	2.469490051	0.035411116	0.000454816	7.595642567	0.001412211	0.009884011	0.000243337	0.000242216	9.00999E-05	0.113758512	2.13484E-06	0.000260401	0.000547658	0.001751635	0.000106596
2082 Nov	0.111435771	9.90474E-06	1.852453351	2.477508545	0.035381097	0.000459972	7.656817913	0.001416588	0.009900098	0.000242358	0.000242892	9.05216E-05	0.114308849	2.13882E-06	0.000263665	0.000546518	0.001750652	0.000108262
2082 Dec	0.11148265	9.90942E-06	1.853662372	2.478877783	0.035394341	0.000460379	7.662394047	0.001417361	0.009905142	0.000242417	0.000243015	9.05754E-05	0.114378549	2.13991E-06	0.000263899	0.000546698	0.001751355	0.000108369
2083 Jan	0.11150647	9.91052E-06	1.854123712	2.479550838	0.035406046	0.000460506	7.664520264	0.001417641	0.009906571	0.000242461	0.000243052	9.05942E-05	0.114409856	2.14018E-06	0.000263977	0.000546812	0.001751501	0.000108405
2083 Feb	0.111560151	9.91366E-06	1.854811549	2.480718851	0.035428859	0.000460641	7.667277336	0.00141817	0.009909987	0.000242586	0.000243128	9.06256E-05	0.1144595	2.14085E-06	0.000264049	0.000547091	0.001752042	0.000108432
2083 Mar	0.111648351	9.92061E-06	1.856166244	2.482666016	0.035460025	0.000460957	7.672829628	0.001419208	0.009917084	0.000242783	0.000243298	9.06905E-05	0.114547022	2.14234E-06	0.000264228	0.000547533	0.001753262	0.000108504
2083 Apr	0.112058312	9.95653E-06	1.8629179	2.491773844	0.035592031	0.000462622	7.70071125	0.001424371	0.009953074	0.000243677	0.000244179	9.10197E-05	0.114965923	2.1501E-06	0.000265181	0.000549548	0.001759605	0.000108895
2083 May	0.121386871	9.99035E-06	1.969613791	2.72177887	0.041886441	0.000469485	8.157827377	0.001490974	0.010104174	0.000298992	0.000253853	9.80552E-05	0.124408267	2.16381E-06	0.000275836	0.000610243	0.001775811	0.000114035
2083 Jun	0.132204756	9.42313E-06	2.032568693	2.982200861	0.051806033	0.000438153	8.407567978	0.001521367	0.009729465	0.000392148	0.00025928	0.000104954	0.133875817	2.04872E-06	0.000273116	0.000700263	0.001716284	0.000113872
2083 Jul	0.132518008	9.64411E-06	2.06289649	2.98802948	0.051189456	0.000446602	8.548843384	0.00154371	0.009892859	0.000385517	0.000265615	0.000106096	0.13475202	2.09846E-06	0.00028124	0.000697823	0.00175683	0.000117879
2083 Aug	0.132279217	9.83868E-06	2.036868811	2.946181536	0.049622755	0.000443976	8.416249275	0.001536694	0.010010471	0.000374234	0.000257998	0.000104492	0.132675722	2.13118E-06	0.000273764	0.000673115	0.001752183	0.000113588
2083 Sep	0.129099846	9.77548E-06	2.030049086	2.903862953	0.04758678	0.000462895	8.436198235	0.001520635	0.009984769	0.0003539	0.000251016	0.000103104	0.131418392	2.12123E-06	0.000278131	0.000644728	0.001712013	0.000115678
2083 Oct	0.122412197	9.52219E-06	2.016174793	2.816948652	0.043870587	0.000494935	8.492264748	0.001483378	0.009826255	0.00031715	0.00023991	0.000100454	0.12891008	2.07845E-06	0.000289257	0.000593328	0.00162554	0.000121638
2083 Nov	0.120448053	9.45051E-06	2.021672487	2.79840064	0.042833287	0.000507377	8.560132027	0.001476473	0.009782612	0.000306338	0.000237812	0.000100111	0.128654703	2.0685E-06	0.000295317	0.000578456	0.001601196	0.000124882
2083 Dec	0.120442167	9.45188E-06	2.025231123	2.800920248	0.042845689	0.000508605	8.579364777	0.001477954	0.009784411	0.000306252	0.000238212	0.000100268	0.128831252	2.06955E-06	0.000296365	0.000578443	0.001601494	0.000125438
2084 Jan	0.120461427	9.45241E-06	2.025414944	2.801356316	0.042855173	0.000508653	8.580107689	0.001478085	0.009785314	0.000306278	0.000238213	0.000100272	0.128848165	2.06966E-06	0.000296374	0.00057853	0.001601522	0.000125439
2084 Feb	0.120498642	9.4536E-06	2.025788069	2.802166462	0.042874642	0.0005087	8.58156395	0.001478367	0.009786858	0.000306372	0.000238242	0.000100288	0.128880352	2.0699E-06	0.000296396	0.000578734	0.00160171	0.000125445
2084 Mar	0.120597087	9.46038E-06	2.027297497	2.804419279	0.042912986	0.000509053	8.587882042	0.001479476	0.009794052	0.000306622	0.000238412	0.000100361	0.128981069	2.07138E-06	0.000296599	0.000579219	0.001602852	0.000125529
2084 Apr	0.121265657	9.5123E-06	2.038454771	2.819946051	0.043152746	0.00051184	8.635103226	0.001487623	0.0098479	0.000308321	0.00023972	0.000100912	0.129693568	2.08274E-06	0.000298221	0.000582438	0.001611645	0.000126214
2084 May	0.13324222	9.59923E-06	2.09885788	3.053248405	0.05063653	0.000494807	8.797962189	0.001544685	0.010059047	0.000377755	0.000245227	0.000106448	0.137739763	2.09197E-06	0.000289364	0.000661215	0.001643672	0.000120687
2084 Jun	0.13860862	9.1345E-06	2.116055965	3.180590391	0.05670432	0.000461469	8.845918655	0.001550256	0.00967095	0.000435678	0.000251367	0.000110006	0.142118901	1.99652E-06	0.0002847	0.000721218	0.001612565	0.000119711
2084 Jul	0.140965059	9.44132E-06	2.162698269	3.227371216	0.057074048	0.000472031	9.039585114	0.001587559	0.009941926	0.000437381	0.000259297	0.000112165	0.14451915	2.0627E-06	0.000292617	0.000731171	0.001669217	0.000123183
2084 Aug	0.143297002	9.71481E-06	2.192524672	3.269906521	0.057430264	0.000481739	9.148322105	0.001615197	0.010183457	0.000439546	0.000260694	0.000113619	0.146361321	2.11765E-06	0.000294516	0.00073452	0.001701307	0.00012336
2084 Sep	0.14031212	9.69481E-06	2.153292656	3.202158213	0.055407714	0.00048465	8.97568512	0.001589934	0.01013249	0.000421325	0.000251662	0.000111149	0.143408939	2.10854E-06	0.000287945	0.000708063	0.001673115	0.000119798
2084 Oct	0.135023937	9.54149E-06	2.137908936	3.124010324	0.052307297	0.000506199	8.988717079	0.001561399	0.010027824	0.000391199	0.000244338	0.000108875	0.14098683	2.0832E-06	0.000295503	0.000668552	0.001618729	0.000123876
2084 Nov	0.133295715	9.49698E-06	2.140458822	3.103885889	0.051312733	0.000515967	9.033594131	0.001555338	0.01000039	0.000381093	0.00024277	0.000108459	0.140570357	2.07761E-06	0.000300172	0.000655571	0.00160184	0.000126364
2084 Dec	0.133334875	9.50084E-06	2.141744852	3.105251074	0.05132518	0.000516413	9.039766312	0.001556089	0.010004707	0.000381138	0.000242895	0.000108515	0.140643194	2.07857E-06	0.000300448	0.000655714	0.001602391	0.000126496
2085 Jan	0.133337349	9.50066E-06	2.142707348	3.106040955	0.051333521	0.000516724	9.044971466	0.001556476	0.010004775	0.000381116	0.000242997	0.000108555	0.140694425	2.07874E-06	0.000300725	0.000655744	0.001602379	0.000126644
2085 Feb	0.133370191	9.50178E-06	2.143284321	3.106935024	0.051352099	0.000516843	9.04758358	0.00155683	0.010006214	0.000381201	0.000243054	0.00010858	0.140735239	2.07902E-06	0.000300817	0.00065593	0.001602576	0.000126688
2085 Mar	0.133415624	9.50432E-06	2.143909693	3.107968092	0.051372055	0.000516974	9.050169945	0.001557288	0.010009028	0.000381325	0.000243119	0.00010861	0.140779942	2.07957E-06	0.000300891	0.000656163	0.001602999	0.000126718
2085 Apr	0.133808717	9.53193E-06	2.150165796	3.117110014	0.051524814	0.000518471	9.076547623	0.001561835	0.010038178	0.000382445	0.000243825	0.000108926	0.141192839	2.08561E-06	0.000301761	0.000658102	0.001607651	0.000127084
2085 May	0.14229925	9.59651E-06	2.193654776	3.281782627	0.056834884	0.000505697	9.194836617	0.001602916	0.010187672	0.000431758	0.000248464	0.000112892	0.146889985	2.09306E-06	0.00029582	0.000714793	0.001633468	0.000123379
2085 Jun	0.14876616	9.50634E-06	2.225520372	3.412264824	0.061728146	0.000486262	9.28205204	0.001630243	0.0101516	0.000477698	0.00025521	0.000116371	0.151447415	2.07174E-06	0.000291807	0.000768209	0.001649359	0.000121473
2085 Jul	0.153238893	9.89309E-06	2.282737255	3.496767759	0.062984571	0.000498082	9.504495621	0.001678869	0.0105294	0.000487651	0.000262183	0.000119259	0.155117035	2.15196E-06	0.000297835	0.000785888	0.001710959	0.00012352
2085 Aug	0.150822058	9.96671E-06	2.252290487	3.433390141	0.060992006	0.000498987	9.365600586	0.001662463	0.010516496	0.000470377	0.00025496	0.000117393	0.152476728	2.16254E-06	0.000292397	0.000758306	0.001696657	0.000120623
2085 Sep	0.142421693	9.76166E-06	2.233095646	3.310307264	0.056487542	0.000526159	9.39066124	0.001624004	0.010279706	0.000426274	0.000246316	0.000114724	0.148850515	2.13024E-06	0.000303982	0.000698901	0.001626665	0.000127325
2085 Oct	0.136703983	9.58273E-06	2.235229969	3.238150358	0.053428218	0.000551414	9.503370285	0.001601354	0.010138851	0.000395641	0.000242643	0.000113285	0.147151977	2.10461E-06	0.000317943	0.000660164	0.00157564	0.00013504
2085 Nov	0.133879036	9.49181E-06	2.242012024	3.206787109	0.051978819	0.000565308	9.589811325	0.0015925	0.010065396	0.000380797	0.000241647	0.000112858	0.146608397	2.0927E-06	0.000326532	0.00064146	0.001550999	0.000139783
2085 Dec	0.133866802	9.49277E-06	2.244119883	3.208136082	0.051979054	0.000566094	9.601320267	0.001593355	0.010066675	0.000380676	0.000241879	0.000112947	0.146709144	2.09335E-06	0.000327175	0.000641378	0.001551146	0.000140123
2086 Jan	0.133882999	9.49318E-06	2.244300127	3.208526134	0.051987264	0.000566144	9.602092743	0.001593474	0.010067428	0.000380686	0.000241881	0.000112951	0.14672482	2.09344E-06	0.00032719	0.000641452	0.00155116	0.000140127
2086 Feb	0.133912206	9.4937E-06	2.244567156	3.209172487	0.052004233	0.000566164	9.603136063	0.001593668	0.010068296	0.000380758	0.000241898	0.000112961	0.146749973	2.09354E-06	0.000327202	0.000641619	0.001551242	0.00014013
2086 Mar	0.133970231	9.49696E-06	2.245388031	3.210511684	0.052029654	0.000566344	9.606561661	0.001594262	0.010071925	0.000380916	0.00024198	0.000113	0.146808282	2.09425E-06	0.000327302	0.000641911	0.001551771	0.000140171
2086 Apr	0.134507939	9.53459E-06	2.254312515	3.223367691	0.052240133	0.000568579	9.644693375	0.001600605	0.010111932	0.000382442	0.000242938	0.000113448	0.147394463	2.10255E-06	0.000328592	0.000644495	0.001557918	0.000140722
2086 May	0.138676658	9.66002E-06	2.283813238	3.303744078	0.054443002	0.000567489	9.738939285	0.001627644	0.01026872	0.000402282	0.000246322	0.000115543	0.150341764	2.12619E-06	0.000327726	0.000669795	0.001584084	0.000139717
2086 Jun	0.138804987	9.25997E-06	2.204699516	3.253558159	0.056798007	0.000502744	9.305992126	0.001589756	0.0098007	0.000430218	0.000255237	0.000113777	0.146848783	2.03343E-06	0.000308023	0.000712484	0.001606596	0.000131448
2086 Jul	0.13865228	9.56319E-06	2.23930335	3.246147156	0.055737924	0.000510923	9.458449364	0.001618049	0.010012141	0.000418836	0.00026637	0.000114988	0.147415251	2.10091E-06	0.000318422	0.000712722	0.001677029	0.000136629
2086 Aug	0.139680311	9.8007E-06	2.244244099	3.250556946	0.05523568	0.000515778	9.456839561	0.001630384	0.010194292	0.000414531	0.000263945	0.000115099	0.147506401	2.14579E-06	0.000316023	0.00070439	0.001694794	0.000134733
2086 Sep	0.133854806	9.70919E-06	2.193325758	3.139068365	0.051763318	0.000525662	9.261555672	0.001590183	0.010042176	0.000382291	0.000250721	0.00011164	0.143134266	2.12388E-06	0.000311185	0.000656988	0.001639905	0.000132332
2086 Oct	0.131931975	9.6724E-06	2.214292765	3.129790068	0.050666165	0.000543836	9.409888268	0.001590993	0.010034508	0.000370053	0.000250753	0.000111903	0.143572792	2.12382E-06	0.000321774	0.000642079	0.001622178	0.000137892
2086 Nov	0.132181525	9.69393E-06	2.220878124	3.137383938	0.050756603	0.000545889	9.440538406	0.001595058	0.010057723	0.000370554	0.00025144	0.000112209	0.143960729	2.12896E-06	0.000323075	0.000643155	0.001625513	0.000138506
2086 Dec	0.132218868	9.69724E-06	2.221420527	3.13819313	0.050766073	0.000546078	9.442750931	0.001595483	0.010061358	0.000370614	0.000251482	0.000112233	0.143996149	2.12965E-06	0.00032314	0.000643289	0.001625962	0.000138527
2087 Jan	0.132234573	9.6979E-06	2.221539021	3.138503551	0.050772712	0.000546105	9.443159103	0.001595588	0.010062251	0.000370639	0.000251483	0.000112236	0.144007534	2.12977E-06	0.000323137	0.000643359	0.001626033	0.000138522
2087 Feb	0.132280126	9.70031E-06	2.222145557	3.139535427	0.050793257	0.000546227	9.445651054	0.001596034	0.010064944	0.000370761	0.000251544	0.000112265	0.144051746	2.13029E-06	0.000323205	0.000643593	0.001626431	0.000138549
2087 Mar	0.132401332	9.7087E-06	2.224095106	3.142385006	0.050841466	0.000546691	9.4538908	0.00159744	0.010073745	0.000371098	0.00025176	0.000112363	0.144180819	2.13213E-06	0.000323478	0.00064419	0.001627833	0.000138664
2087 Apr	0.132673234	9.72835E-06	2.228613377	3.148823261	0.050946835	0.000547794	9.473069191	0.001600689	0.010094192	0.000371858	0.000252269	0.00011259	0.144475237	2.13644E-06	0.000324129	0.000645517	0.001631126	0.000138943
2087 May	0.137482688	9.75457E-06	2.246446609	3.237485886	0.053931303	0.0005384	9.50534153	0.001620673	0.010174481	0.000399967	0.000254124	0.000114509	0.1473708	2.13735E-06	0.000318938	0.000677781	0.001644109	0.000135875
2087 Jun	0.144887686	9.52544E-06	2.236789942	3.358003139	0.059804015	0.000496513	9.367324829	0.001628787	0.010035399	0.000457914	0.000258307	0.000116588	0.15046978	2.07929E-06	0.000302079	0.000744813	0.001651244	0.00012751
2087 Jul	0.146940261	9.81958E-06	2.251422405	3.375638247	0.059711844	0.000498292	9.400056839	0.001650757	0.010286224	0.000457517	0.000261099	0.000117194	0.151110336	2.13676E-06	0.000301539	0.00074789	0.001695826	0.000126517

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.151005924	1.01709E-05	2.306769371	3.457488775	0.060883887	0.000511789	9.620224953	0.001695911	0.010623303	0.00046649	0.000266273	0.000119996	0.154705063	2.20982E-06	0.000307457	0.000761801	0.001745549	0.000128565
2087 Sep	0.151818514	1.03168E-05	2.313423872	3.469335079	0.060605757	0.000520275	9.637160301	0.001704871	0.010785532	0.000463116	0.000264535	0.000119989	0.155102193	2.23751E-06	0.000306742	0.000759505	0.001756613	0.000127475
2087 Oct	0.149242118	1.02478E-05	2.295072079	3.422684431	0.058985732	0.000527668	9.584565163	0.001686727	0.010741076	0.000447972	0.000259745	0.000118352	0.15334858	2.22389E-06	0.000307274	0.000739961	0.00173057	0.000127739
2087 Nov	0.147974789	1.02118E-05	2.298365355	3.408838987	0.058298469	0.000534666	9.624732971	0.001682899	0.010715357	0.000440903	0.000259066	0.000118139	0.153115571	2.21943E-06	0.000311166	0.000731051	0.001719068	0.000129849
2087 Dec	0.147990301	1.02142E-05	2.300076962	3.410238266	0.058306955	0.000535268	9.633607864	0.001683713	0.01071802	0.000440885	0.00025925	0.000118214	0.153204143	2.22022E-06	0.000311626	0.000731104	0.001719426	0.000130086
2088 Jan	0.148013905	1.02153E-05	2.300463915	3.410849571	0.058317881	0.000535374	9.6353302	0.001683963	0.010719465	0.000440925	0.000259279	0.000118229	0.153231502	2.22048E-06	0.000311683	0.000731215	0.001719573	0.000130111
2088 Feb	0.148041859	1.02161E-05	2.300715446	3.411445141	0.058332808	0.000535399	9.636281967	0.001684159	0.010720532	0.000440996	0.000259297	0.000118239	0.153254569	2.22063E-06	0.000311692	0.000731368	0.001719695	0.000130111
2088 Mar	0.14818348	1.02252E-05	2.302817106	3.414681911	0.058390733	0.000535869	9.645028114	0.001685703	0.010730268	0.000441411	0.000259528	0.000118346	0.153397962	2.22261E-06	0.000311963	0.000732077	0.00172123	0.000130223
2088 Apr	0.149327934	1.03034E-05	2.320464611	3.441017866	0.058844641	0.00053995	9.718865395	0.00169863	0.010812419	0.00044481	0.000261509	0.00011925	0.154578269	2.23958E-06	0.000314335	0.000737743	0.00173437	0.000131211
2088 May	0.152318716	1.04758E-05	2.360923529	3.507973433	0.06013678	0.000548223	9.884404182	0.00172881	0.011000394	0.000453725	0.000265815	0.000121284	0.157466754	2.27657E-06	0.000318982	0.000753067	0.001763334	0.000133044
2088 Jun	0.13978608	1.01835E-05	2.146293402	3.142692804	0.05327303	0.000481871	8.866732597	0.001610379	0.010475104	0.000399569	0.000263349	0.000110014	0.141203716	2.19764E-06	0.000286904	0.000711016	0.001789029	0.000118389
2088 Jul	0.140866756	1.05246E-05	2.177151203	3.151309013	0.052823395	0.000486616	8.975866318	0.001642002	0.010742152	0.00039391	0.000274384	0.000111249	0.142045349	2.26933E-06	0.000293186	0.000720702	0.001869916	0.000121119
2088 Aug	0.147601023	1.10788E-05	2.278812408	3.297981262	0.055102028	0.000511074	9.387795448	0.001721138	0.011288728	0.000410559	0.000285984	0.00011641	0.148626015	2.38686E-06	0.000305828	0.000751071	0.001960274	0.000126039
2088 Sep	0.148596257	1.12173E-05	2.291306734	3.317126513	0.055117127	0.00051842	9.43098259	0.001733291	0.011426622	0.000409766	0.000285537	0.000116883	0.149416357	2.41406E-06	0.000306207	0.000751316	0.001973605	0.000125674
2088 Oct	0.141600773	1.08759E-05	2.183576822	3.158229351	0.051052593	0.00051633	8.991268158	0.001654116	0.011161122	0.000375435	0.000264499	0.000110175	0.142139882	2.33516E-06	0.000291017	0.000699017	0.001873745	0.000117944
2088 Nov	0.140067831	1.08147E-05	2.180227518	3.138020754	0.050214205	0.000523269	9.003591537	0.001645405	0.011120327	0.000367229	0.000262037	0.000109576	0.141555876	2.32467E-06	0.000293592	0.000687305	0.001853705	0.00011935
2088 Dec	0.140101269	1.08184E-05	2.182308912	3.139895201	0.050229933	0.000523968	9.014115334	0.001646464	0.011124374	0.000367261	0.000262263	0.000109669	0.1416675	2.32575E-06	0.000294117	0.000687446	0.001854288	0.000119617
2089 Jan	0.14012152	1.08192E-05	2.18251586	3.140343189	0.050239127	0.000524022	9.014944077	0.001646618	0.01112548	0.000367292	0.000262269	0.000109676	0.141685203	2.32591E-06	0.00029413	0.000687537	0.001854364	0.00011962
2089 Feb	0.140160829	1.08208E-05	2.18294096	3.141191959	0.050258178	0.000524087	9.016610146	0.001646944	0.011127432	0.000367392	0.000262308	0.000109694	0.141719624	2.32625E-06	0.000294162	0.000687747	0.001854633	0.00011963
2089 Mar	0.140322924	1.08326E-05	2.18536377	3.144807339	0.050319009	0.000524649	9.026567459	0.001648776	0.011139666	0.000367816	0.000262592	0.000109814	0.141880617	2.32877E-06	0.000294475	0.000688552	0.001856641	0.000119755
2089 Apr	0.141005605	1.08847E-05	2.19592309	3.1600945	0.050565738	0.000527169	9.070146561	0.001656745	0.011193408	0.000369604	0.000263856	0.000110344	0.142568812	2.33998E-06	0.000295887	0.000691908	0.001865576	0.000120329
2089 May	0.147366405	1.087E-05	2.227419853	3.287885427	0.054790005	0.000516887	9.160904884	0.001684186	0.011256999	0.000408933	0.000266221	0.000113352	0.146980867	2.33316E-06	0.000291296	0.000734585	0.001872176	0.000117617
2089 Jun	0.155283898	1.05396E-05	2.256393433	3.457716942	0.061629988	0.000487766	9.239377022	0.00170379	0.011044432	0.000474183	0.00027048	0.000117533	0.152729347	2.26219E-06	0.000284141	0.000801598	0.001849422	0.000114602
2089 Jul	0.158228919	1.08756E-05	2.284467936	3.497365952	0.061951555	0.000492803	9.331216812	0.001734663	0.011344477	0.000477118	0.000274158	0.000118856	0.154340193	2.32909E-06	0.000285388	0.00080841	0.00189877	0.000114383
2089 Aug	0.161281198	1.12028E-05	2.317194462	3.545101404	0.062361978	0.000501028	9.450545311	0.001766509	0.01163904	0.000480656	0.000276221	0.000120423	0.156338453	2.39472E-06	0.000287365	0.000812411	0.001937732	0.000114519
2089 Sep	0.1593346	1.1198E-05	2.314863443	3.518033981	0.060973354	0.000513889	9.469269753	0.001758805	0.011651504	0.00046675	0.000272378	0.000119592	0.155565143	2.39547E-06	0.000290477	0.000794364	0.001918587	0.000115944
2089 Oct	0.148564056	1.07416E-05	2.282064199	3.363505602	0.055632904	0.000545509	9.48999691	0.001696876	0.011257716	0.000415302	0.000260617	0.000115629	0.150860682	2.31561E-06	0.000305956	0.000723315	0.001802338	0.000125131
2089 Nov	0.147644266	1.07187E-05	2.290358543	3.358044386	0.055146404	0.000553051	9.551098824	0.001696503	0.011244672	0.00040993	0.00026056	0.000115723	0.150997624	2.31411E-06	0.000310477	0.000716525	0.001793617	0.000127542
2089 Dec	0.147653908	1.07215E-05	2.295620441	3.361958504	0.055174846	0.00055477	9.579084396	0.001698783	0.011247635	0.000409903	0.000261187	0.00011596	0.151264191	2.31571E-06	0.000311995	0.00071665	0.001794292	0.000128349
2090 Jan	0.147694081	1.07238E-05	2.296089649	3.36281848	0.055190925	0.000554883	9.580939293	0.00169915	0.0112503	0.00040999	0.000261224	0.00011598	0.151299641	2.31618E-06	0.000312035	0.000716837	0.001794625	0.00012836
2090 Feb	0.14774856	1.07266E-05	2.296763182	3.364019871	0.055215515	0.000555011	9.583655357	0.001699657	0.011253446	0.000410135	0.00026129	0.000116012	0.151350155	2.31677E-06	0.000312103	0.000717119	0.001795081	0.000128385
2090 Mar	0.147880122	1.07355E-05	2.298713923	3.366993904	0.055266991	0.000555464	9.591744423	0.001701106	0.011262919	0.000410496	0.000261507	0.000116109	0.151482031	2.31869E-06	0.000312355	0.000717767	0.001796567	0.000128487
2090 Apr	0.148315862	1.07667E-05	2.305433035	3.37690258	0.055431154	0.000557077	9.619750023	0.001706081	0.011295791	0.000411704	0.000262268	0.000116447	0.151926711	2.32544E-06	0.000313261	0.000719887	0.001801796	0.000128859
2090 May	0.149852857	1.08179E-05	2.394624472	3.464564085	0.056782208	0.000580911	10.0750494	0.001748495	0.011358741	0.000419766	0.000273159	0.000120841	0.157010108	2.35122E-06	0.000335969	0.000731695	0.001817726	0.000140877
2090 Jun	0.146749109	1.00294E-05	2.361273766	3.430549622	0.059230562	0.000536779	9.968644142	0.001705108	0.010532968	0.000445544	0.000282743	0.000121229	0.155787691	2.19698E-06	0.000337094	0.000758626	0.001765052	0.000144878
2090 Jul	0.147403002	1.0309E-05	2.388270378	3.434636116	0.058672275	0.000542262	10.07402134	0.001730592	0.010744877	0.000439272	0.000291139	0.000122258	0.156457499	2.25644E-06	0.000343313	0.000762347	0.001825987	0.000147726
2090 Aug	0.140123382	1.02107E-05	2.333305836	3.295585632	0.054494474	0.000549978	9.874517441	0.001685286	0.010488391	0.00040144	0.000276273	0.000118787	0.151286438	2.23459E-06	0.000339417	0.000699594	0.001758681	0.000146366
2090 Sep	0.132133096	9.94651E-06	2.302943945	3.175903797	0.050233115	0.000575291	9.847447395	0.001639517	0.010241904	0.000360325	0.000264535	0.000115552	0.147451028	2.18735E-06	0.000347588	0.00064142	0.00167286	0.000151163
2090 Oct	0.123097666	9.60344E-06	2.255840302	3.031762123	0.045095757	0.00060457	9.767589569	0.001578746	0.010006759	0.000311642	0.00024946	0.000110774	0.142452776	2.12353E-06	0.000355192	0.000575547	0.001567095	0.000155452
2090 Nov	0.120529361	9.49477E-06	2.247057915	2.994414091	0.043756519	0.000613	9.769439697	0.001563221	0.009923473	0.000298762	0.000246173	0.000109704	0.141284406	2.10423E-06	0.000358754	0.000557937	0.001537643	0.000157509
2090 Dec	0.12055634	9.49837E-06	2.24875927	2.995927572	0.04376445	0.000613644	9.77805233	0.001564094	0.009927644	0.000298737	0.000246336	0.000109776	0.141374692	2.10522E-06	0.000359183	0.000557999	0.001538103	0.000157723
2091 Jan	0.120579317	9.49922E-06	2.249251604	2.996628523	0.043776918	0.000613782	9.780379295	0.001564373	0.009928866	0.000298773	0.000246375	0.000109795	0.141408026	2.10544E-06	0.000359274	0.000558113	0.001538207	0.000157767
2091 Feb	0.120609485	9.49982E-06	2.249518633	2.997285366	0.043794136	0.000613801	9.781404495	0.001564573	0.009929806	0.000298849	0.000246393	0.000109805	0.141433388	2.10556E-06	0.000359283	0.000558284	0.0015383	0.000157768
2091 Mar	0.120791562	9.51318E-06	2.25274682	3.001755238	0.043863658	0.000614652	9.795360565	0.001566827	0.009943949	0.000299301	0.00024674	0.00010996	0.141641125	2.10852E-06	0.00035978	0.000559144	0.001540462	0.000157985
2091 Apr	0.121474467	9.5664E-06	2.265376806	3.018687248	0.044113528	0.000618081	9.850221634	0.001575619	0.00999968	0.000300994	0.00024812	0.000110576	0.142438069	2.12031E-06	0.000361784	0.000562315	0.001549079	0.000158864
2091 May	0.127054051	9.69413E-06	2.299511194	3.124842882	0.047224797	0.000613537	9.951041222	0.001608145	0.010172661	0.000329477	0.00025206	0.000113239	0.146213382	2.14322E-06	0.000359209	0.000597306	0.001578675	0.000156895
2091 Jun	0.139036953	9.46795E-06	2.288429976	3.31340909	0.056186926	0.000548505	9.738082886	0.001629068	0.010038717	0.000418123	0.000259131	0.000116733	0.151068747	2.07921E-06	0.000331911	0.000700169	0.0016085	0.000143104
2091 Jul	0.144413516	9.94423E-06	2.372119427	3.426501989	0.057891283	0.00056684	10.07568264	0.00169539	0.010502183	0.00043038	0.000271208	0.000120907	0.156243294	2.18043E-06	0.000343322	0.000727287	0.001695687	0.000147734
2091 Aug	0.142005682	1.00316E-05	2.331377029	3.357218504	0.055852342	0.00056531	9.876752853	0.0016755	0.010490911	0.000412966	0.000261904	0.000118639	0.153127164	2.19134E-06	0.000334025	0.000698573	0.00168009	0.000142721
2091 Sep	0.137049317	9.97641E-06	2.297838926	3.267842293	0.053001206	0.000574702	9.756422997	0.001647005	0.010353887	0.00038604	0.000252482	0.000116304	0.149852604	2.17914E-06	0.000332244	0.000658882	0.001639932	0.000142027
2091 Oct	0.131198257	9.75055E-06	2.300282478	3.19597888	0.050041966	0.00059937	9.878097534	0.001622194	0.010175098	0.000356465	0.000249013	0.000114905	0.148219675	2.14419E-06	0.000347159	0.000620498	0.001582301	0.000150406
2091 Nov	0.127042472	9.59947E-06	2.298339367	3.141957998	0.047842272	0.00061677	9.9448452	0.001603203	0.010061373	0.000334684	0.000245785	0.000113682	0.146856025	2.12036E-06	0.000356642	0.000592372	0.001541051	0.000155694
2091 Dec	0.126926064	9.59903E-06	2.301968336	3.143028975	0.047781281	0.000618705	9.966425896	0.001604276	0.01006297	0.00033386	0.000246068	0.000113799	0.146998733	2.12115E-06	0.000357984	0.000591471	0.001540318	0.000156401
2092 Jan	0.126945883	9.59964E-06	2.302802801	3.143949747	0.047795273	0.000618954	9.970657349	0.001604678	0.010063968	0.000333881	0.000246149	0.000113832	0.14704892	2.1214E-06	0.000358185	0.000591581	0.001540405	0.000156504
2092 Feb	0.126997694	9.6016E-06	2.303475857	3.145170927	0.047821976	0.000619076	9.973480225	0.001605146	0.010066394	0.000334013	0.00024621	0.000113862	0.147100776	2.12184E-06	0.00035826	0.000591861	0.001540722	0.000156536
2092 Mar	0.127222434	9.61752E-06	2.307348013	3.150660038	0.047910158	0.000620082	9.990135193	0.00160786	0.010083282	0.000334601	0.000246616	0.000114051	0.147353649	2.12534E-06	0.000358839	0.000592927	0.001543273	0.000156786
2092 Apr	0.12782003	9.66209E-06	2.318071365	3.165416479	0.048137195	0.000622945	10.03650284	0.001615342	0.010130128	0.000336172	0.000247758	0.00011458	0.148041636	2.13519E-06	0.000360493	0.000595723	0.001550423	0.000157507
2092 May	0.133234993	9.7322E-06	2.416240931	3.319308996	0.051897008	0.000636012	10.48802662	0.001671922	0.010248541	0.000367352	0.000260321	0.000120321	0.155152142	2.16014E-06	0.000377618	0.000634507	0.001579365	0.000166379
2092 Jun	0.136501715	9.03659E-06	2.366698503	3.358098745	0.057734765	0.000560362	10.2073946	0.001642235	0.009561623	0.000428232	0.000272987	0.000121312	0.155206695	2.01239E-06	0.000361814	0.000707091	0.001569709	0.000161085
2092 Jul	0.132692531	9.13583E-06	2.363937378	3.276175022	0.055162411	0.000561365	10.22124195	0.001639106	0.009545093	0.00040426	0.000281024	0.000120425	0.152813196	2.03819E-06	0.000370293	0.000689606	0.001608928	0.000166085
2092 Aug	0.136648402	9.49301E-06	2.428314209	3.365689993	0.056400694	0.000579191	10.48522568	0.001688373	0.009885444	0.00041275	0.000286973	0.000123659	0.156909719	2.11365E-06	0.000378434	0.000704225	0.001660236	0.000169257
2092 Sep	0.135035962	9.534E-06	2.430493832	3.344744921	0.055231541	0.000590582	10.51313877	0.001686046	0.009901594	0.000400712	0.000283926	0.000123308	0.156429127	2.12327E-06	0.000381155	0.00068761	0.001649319	0.000170523
2092 Oct	0.13233231	9.4598E-06	2.462221861	3.333244801	0.053899072	0.000613696	10.73265934	0.001687914	0.009851196	0.00038556	0.000285292	0.000123965	0.157193795	2.11876E-06	0.000396878	0.000668648	0.001625282	0.000179006
2092 Nov	0.131728455	9.4484E-06	2.469265699	3.330494881	0.053563323	0.000619362	10.78146076	0.001688406	0.009846924	0.000381791	0.000285433	0.00012408	0.157353461	2.11872E-06	0.000400359	0.000664017	0.001619931	0.00018085
2092 Dec	0.13178888	9.45349E-06	2.470244884	3.331888676	0.05358113	0.000619678	10.78558636	0.001689131	0.009852488	0.000381907	0.00028552	0.000124126	0.157416508	2.1198E-06	0.000400494	0.000664257	0.001620661	0.000180902
2093 Jan	0.131806239	9.45414E-06	2.470330715	3.332206011	0.053588383	0.000619696	10.78580856	0.001689224	0.00985343	0.00038193	0.000285514	0.000124127	0.157427058	2.11992E-06	0.000400478	0.000664331	0.001620716	0.000180889
2093 Feb	0.131848186	9.456E-06	2.470863819	3.333163738	0.05360879	0.000619793	10.7879982	0.00168961	0.009855606	0.000382042	0.000285565	0.000124151	0.157467574	2.12032E-06	0.000400535	0.000664555	0.001621024	0.000180912
2093 Mar	0.132179543	9.47914E-06	2.47693491	3.341484308	0.053745352	0.000621296	10.81443024	0.001693773	0.009879849	0.000382997	0.000286261	0.000124455	0.157858074	2.1255E-06	0.000401503	0.000666232	0.001624984	0.000181347
2093 Apr	0.132840976	9.52621E-06	2.489249945	3.358172894	0.05401535	0.000624374	10.86815643	0.001702201	0.009928987	0.00038491	0.000287681	0.000125073	0.158644974	2.13605E-06	0.00040349	0.00066957	0.00163305	0.000182244
2093 May	0.13824667	9.64248E-06	2.516967297	3.457823038	0.056998875	0.000618755	10.93892097	0.001731001	0.0100944	0.000412513	0.000290501	0.000127387	0.162054971	2.15573E-06	0.000399465	0.000702919	0.001658863	0.000179504
2093 Jun	0.143587798	9.30512E-06	2.471534491	3.522887468	0.061924502	0.000565907	10.64342499	0.00171607	0.009819093	0.000463642	0.000292139	0.000127679	0.162641957	2.0736E-06	0.00037724	0.000760225	0.001652358	0.000168837
2093 Jul	0.146151006	9.64375E-06	2.515277386	3.56774044	0.062229075	0.000575458	10.81720448	0.001753749	0.010115909	0.000465075	0.000299701	0.000129688	0.164876655	2.14467E-06	0.000383908	0.000769752	0.001712448	0.000171568
2093 Aug	0.149098352	9.94198E-06	2.554405928	3.623605967	0.062861621	0.00058619	10.96856308	0.001787479	0.010388957	0.000469687	0.000302622	0.000131621	0.167330846	2.20562E-06	0.000387544	0.000776625	0.001750462	0.000172605
2093 Sep	0.147171617	9.95748E-06	2.519777298	3.571493626	0.061154205	0.000589616	10.81201172	0.001767247	0.010418122	0.000454546	0.000294682	0.000129253	0.164856553	2.20381E-06	0.000380965	0.000756725	0.001731249	0.000168749
2093 Oct	0.136262313	9.57984E-06	2.440469265	3.374467373	0.05489606	0.000611429	10.58235264	0.001688075	0.010107385	0.000396859	0.000276653	0.000122769	0.157482669	2.12965E-06	0.00038312	0.000679299	0.001618797	0.000170446
2093 Nov	0.132524222	9.48469E-06	2.43163228	3.319333792	0.052650794	0.0006275	10.60145283	0.001669258	0.010043784	0.000374963	0.000271912	0.000121224	0.155831307	2.11431E-06	0.000389155	0.000651108	0.001582603	0.000173683
2093 Dec	0.132573038	9.48992E-06	2.432956219	3.320817471	0.052661218	0.00062802	10.60763359	0.001670085	0.010049713	0.000374984	0.000272019	0.000121279	0.155907497	2.1155E-06	0.000389418	0.000651242	0.001583253	0.000173801
2094 Jan	0.132602274	9.49128E-06	2.433554411	3.32166481	0.052675724	0.000628189	10.61040783	0.001670442	0.010051474	0.000375032	0.000272069	0.000121303	0.155947641	2.11583E-06	0.000389524	0.000651382	0.001583435	0.000173851
2094 Feb	0.132640004	9.49242E-06	2.43403244	3.322565556	0.052696474	0.000628267	10.61242676	0.001670766	0.010052985	0.000375127	0.000272111	0.000121323	0.155985609	2.11609E-06	0.000389577	0.000651593	0.001583621	0.000173874
2094 Mar	0.132818744	9.50434E-06	2.437127352	3.326969147	0.05277022	0.000629037	10.6258173	0.001672906	0.010065781	0.000375627	0.000272449	0.000121476	0.156188875	2.11873E-06	0.00039005	0.000652483	0.001585603	0.000174083
2094 Apr	0.133275226	9.5365E-06	2.445397139	3.338361502	0.052953146	0.000631155	10.66181564	0.001678592	0.010099945	0.000376914	0.00027337	0.000121887	0.156721696	2.12589E-06	0.000391361	0.000654732	0.001590966	0.000174667
2094 May	0.138992563	9.53057E-06	2.499257565	3.469728231	0.056981664	0.000627186	10.87696171	0.001714879	0.010149171	0.000413227	0.000280239	0.000125869	0.161919639	2.12652E-06	0.000394901	0.00069617	0.001606356	0.000176469
2094 Jun	0.149087697	9.5278E-06	2.518805027	3.64066267	0.063711666	0.000590838	10.84196186	0.00175015	0.010216315	0.000478139	0.000287001	0.000129591	0.167069644	2.11473E-06	0.00037919	0.000773352	0.001646731	0.000168038

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.155329362	1.00349E-05	2.609251738	3.770527124	0.065769926	0.000610408	11.20675659	0.00182173	0.010717555	0.00049376	0.000298632	0.000134175	0.172880039	2.22178E-06	0.000390664	0.000802389	0.001733468	0.000172565
2094 Aug	0.162912384	1.05852E-05	2.730530262	3.945632935	0.068630278	0.000639721	11.71812439	0.001910051	0.011280207	0.000515164	0.000311587	0.000140365	0.180843279	2.34072E-06	0.000407536	0.000836769	0.001820713	0.000179687
2094 Sep	0.160202295	1.05794E-05	2.668070793	3.862058401	0.06629578	0.000637514	11.42537975	0.001875375	0.011290914	0.000495469	0.000299961	0.000136502	0.176670611	2.33054E-06	0.0003946	0.000810925	0.001794187	0.000172441
2094 Oct	0.152875572	1.03291E-05	2.562479496	3.689603329	0.061788365	0.000633827	10.986763	0.001801443	0.011069595	0.000456869	0.000282345	0.00012983	0.16899699	2.27133E-06	0.000380471	0.000758613	0.001719726	0.000165277
2094 Nov	0.145289689	1.00731E-05	2.521236897	3.560771942	0.057625238	0.000650224	10.89683056	0.001753317	0.010836706	0.000417909	0.000272995	0.000126113	0.164522946	2.22388E-06	0.00038601	0.000707264	0.001649525	0.000168779
2094 Dec	0.144811034	1.00574E-05	2.522271633	3.555289507	0.057387553	0.000652363	10.91060925	0.001751804	0.010822164	0.000415485	0.000272872	0.000126048	0.164425567	2.22168E-06	0.000387436	0.000704155	0.00164547	0.000169581
2095 Jan	0.144841254	1.00589E-05	2.523597002	3.556686401	0.057407163	0.000652762	10.91726971	0.001752467	0.010824061	0.000415528	0.000273011	0.000126104	0.164503202	2.22218E-06	0.000387755	0.000704319	0.001645711	0.000169746
2095 Feb	0.14488554	1.00602E-05	2.524464369	3.557968616	0.057433572	0.000652949	10.92128086	0.001752974	0.010825855	0.00041564	0.000273098	0.000126142	0.164563432	2.22254E-06	0.000387908	0.000704575	0.001645954	0.000169821
2095 Mar	0.145010918	1.0068E-05	2.526523829	3.561025381	0.057487048	0.000653451	10.93015003	0.001754401	0.010834359	0.000415991	0.000273314	0.000126242	0.164702266	2.22425E-06	0.00038821	0.000705203	0.001647217	0.000169953
2095 Apr	0.145638153	1.01109E-05	2.537336826	3.576384544	0.057737604	0.000656227	10.97686195	0.001761919	0.010880719	0.000417786	0.000274479	0.000126781	0.165410444	2.23374E-06	0.000389857	0.000708262	0.001654245	0.000170672
2095 May	0.151462242	1.01007E-05	2.541205168	3.672100544	0.061545908	0.000635046	10.92068005	0.001778097	0.010918669	0.00045489	0.000275685	0.000128549	0.168085933	2.22374E-06	0.000378325	0.000749767	0.001668199	0.000164418
2095 Jun	0.159927949	1.01555E-05	2.579996109	3.828572512	0.067093693	0.000612969	11.00615215	0.001819071	0.011019456	0.00050712	0.000283894	0.000132615	0.173410088	2.22938E-06	0.000371346	0.000813017	0.001710224	0.000160535
2095 Jul	0.167105705	1.06999E-05	2.683637619	3.981508732	0.06954173	0.000636687	11.43197346	0.001898762	0.01157125	0.000525991	0.000295425	0.00013787	0.180219054	2.34472E-06	0.000384529	0.000843993	0.001796347	0.00016577
2095 Aug	0.163503021	1.07021E-05	2.612531662	3.870963573	0.066860408	0.000624581	11.09788799	0.001860205	0.011471933	0.000504805	0.000284116	0.000134044	0.175093725	2.33618E-06	0.000370281	0.000809373	0.001770281	0.000158505
2095 Sep	0.160629466	1.07278E-05	2.580438852	3.807154179	0.064929307	0.000627194	10.95177364	0.001841002	0.011428189	0.000487084	0.000276812	0.000132092	0.172439054	2.33755E-06	0.000364722	0.000784143	0.001753146	0.000155535
2095 Oct	0.159180209	1.07014E-05	2.596688032	3.799275875	0.064165138	0.000639304	11.06314468	0.001842385	0.011410626	0.000478497	0.000277781	0.000132396	0.172768712	2.33745E-06	0.000372894	0.000774179	0.001743449	0.000159928
2095 Nov	0.154977575	1.05649E-05	2.586791039	3.736796856	0.061921384	0.000652437	11.08221626	0.001821347	0.011289457	0.000456751	0.000274568	0.000130905	0.170926154	2.31475E-06	0.000379908	0.00074672	0.001707807	0.000163974
2095 Dec	0.154464558	1.05516E-05	2.588111162	3.730902672	0.061643973	0.000655076	11.09800816	0.001819905	0.011278661	0.000453909	0.000274426	0.000130825	0.170824036	2.3131E-06	0.000381502	0.000743259	0.001703811	0.000164848
2096 Jan	0.154496878	1.05531E-05	2.588968039	3.731993675	0.061661623	0.000655327	11.10213947	0.001820375	0.011280569	0.00045395	0.000274503	0.000130859	0.170878783	2.31348E-06	0.000381678	0.00074342	0.001704002	0.000164936
2096 Feb	0.154591724	1.05575E-05	2.590176821	3.734148502	0.061706312	0.000655563	11.10710335	0.001821255	0.011285743	0.000454208	0.000274616	0.000130915	0.170970023	2.31444E-06	0.000381807	0.000743911	0.001704711	0.000164986
2096 Mar	0.154736295	1.05663E-05	2.59238863	3.737563848	0.061767709	0.000656085	11.11646271	0.001822828	0.011295345	0.000454622	0.000274841	0.000131024	0.171122298	2.31634E-06	0.000382106	0.000744625	0.001706123	0.000165112
2096 Apr	0.155364543	1.06086E-05	2.602796316	3.752696037	0.062020555	0.000658697	11.16102314	0.001830156	0.011340674	0.000456462	0.00027594	0.000131549	0.171812832	2.32561E-06	0.000383624	0.000747659	0.001712948	0.000165767
2096 May	0.158121765	1.06095E-05	2.717289448	3.880666971	0.064608775	0.000683347	11.73835278	0.001884599	0.011363829	0.000475128	0.000290971	0.00013759	0.178832233	2.34364E-06	0.000411672	0.000771758	0.001730041	0.000180883
2096 Jun	0.145128086	9.73575E-06	2.517800331	3.55237031	0.060658161	0.000596944	10.85052776	0.001751886	0.010271745	0.000448716	0.000294792	0.000128626	0.164563358	2.15726E-06	0.000387789	0.000751444	0.00169696	0.000172926
2096 Jul	0.145035043	1.0001E-05	2.565099478	3.559362888	0.059900656	0.000609328	11.07312965	0.001783934	0.010457002	0.00043927	0.000306903	0.00013049	0.165968105	2.21876E-06	0.000401886	0.000753303	0.001760974	0.000180165
2096 Aug	0.150361553	1.04439E-05	2.654306889	3.683453083	0.061750956	0.000632888	11.445364	0.00185003	0.010890737	0.000452273	0.000316017	0.000134992	0.171685115	2.31347E-06	0.000414113	0.000775796	0.001828688	0.000185215
2096 Sep	0.145965204	1.03493E-05	2.575864792	3.569705486	0.0586695	0.000630921	11.0965929	0.001800798	0.010806695	0.000425993	0.00030079	0.000130179	0.166307598	2.28516E-06	0.000399952	0.000738329	0.001779232	0.000177567
2096 Oct	0.136561289	1.00189E-05	2.483397007	3.384082079	0.053022273	0.000645109	10.77367401	0.001721533	0.010552145	0.000375123	0.000280699	0.000123355	0.15877603	2.21543E-06	0.000394641	0.000668423	0.001673303	0.000175049
2096 Nov	0.135053694	9.99042E-06	2.483057261	3.364223242	0.052051909	0.000654045	10.79928017	0.001715309	0.010542315	0.00036543	0.000278638	0.000122806	0.15826714	2.21163E-06	0.000397992	0.000656005	0.001657882	0.000176769
2096 Dec	0.135070831	9.99254E-06	2.483275175	3.364555597	0.052051548	0.000654185	10.80012894	0.001715502	0.010544814	0.000365411	0.000278634	0.000122812	0.158280805	2.21205E-06	0.00039801	0.000656018	0.001658085	0.000176769
2097 Jan	0.135080487	9.99271E-06	2.484142303	3.365359783	0.052061971	0.000654456	10.80468369	0.001715881	0.010545228	0.000365412	0.000278725	0.000122848	0.158329502	2.21223E-06	0.000398245	0.000656082	0.001658116	0.000176893
2097 Feb	0.135097474	9.99274E-06	2.484973907	3.366257429	0.052078001	0.000654671	10.80894756	0.001716261	0.010545474	0.000365453	0.000278817	0.000122883	0.158379734	2.21237E-06	0.000398454	0.000656206	0.001658162	0.000177005
2097 Mar	0.135207906	1.00002E-05	2.487008095	3.369065046	0.052124053	0.00065519	10.81786919	0.001717635	0.010553452	0.000365749	0.000279042	0.000122982	0.158511505	2.21403E-06	0.000398783	0.000656758	0.0016594	0.000177153
2097 Apr	0.13591516	1.0052E-05	2.499926567	3.386653423	0.052398145	0.000658579	10.87401295	0.001726565	0.010608269	0.00036766	0.000280487	0.00012362	0.159337312	2.22551E-06	0.000400843	0.0006602	0.001668003	0.000178068
2097 May	0.141046613	1.01839E-05	2.52428484	3.478293657	0.055135541	0.000652773	10.92804527	0.001754059	0.010780179	0.000393064	0.000283066	0.000125708	0.162412167	2.24817E-06	0.000396267	0.000691399	0.001695999	0.000175014
2097 Jun	0.148049846	1.00002E-05	2.494147778	3.572731733	0.060564779	0.000602629	10.67744541	0.001755489	0.010635922	0.000448268	0.000285631	0.000126929	0.164123252	2.19696E-06	0.000373424	0.000754355	0.001710937	0.000163564
2097 Jul	0.153279468	1.04695E-05	2.574016809	3.680240393	0.062098987	0.000620612	11.00194073	0.001818856	0.011088462	0.000459501	0.000296221	0.000130881	0.169044361	2.29606E-06	0.000384253	0.000777255	0.001790444	0.00016794
2097 Aug	0.156207204	1.07707E-05	2.613127708	3.736153126	0.062714607	0.000631808	11.1525631	0.001852656	0.011364515	0.000463852	0.000298995	0.000132803	0.171500087	2.35746E-06	0.000387811	0.000783947	0.001828448	0.000168911
2097 Sep	0.157118067	1.09089E-05	2.62348628	3.752421618	0.062669195	0.000638683	11.18518162	0.001863745	0.011500329	0.000462586	0.000298299	0.000133165	0.172146708	2.38436E-06	0.000387711	0.000783603	0.001841542	0.000168295
2097 Oct	0.153775319	1.07976E-05	2.551764965	3.657356977	0.060357008	0.000631893	10.86107349	0.001819835	0.011416496	0.000443763	0.000286356	0.000128922	0.167458311	2.35347E-06	0.000374237	0.000757443	0.001802404	0.000161112
2097 Nov	0.151830673	1.0724E-05	2.511209965	3.603172064	0.059083715	0.000627446	10.67885685	0.001794603	0.011355925	0.000433472	0.000279818	0.000126558	0.164806187	2.33404E-06	0.000366782	0.000742921	0.001779632	0.000157199
2097 Dec	0.151470721	1.07087E-05	2.503941298	3.5933671	0.058861837	0.000626532	10.6464138	0.001789999	0.011342466	0.000431693	0.000278689	0.00012614	0.164330423	2.33017E-06	0.00036548	0.000740366	0.001775419	0.000156527
2098 Jan	0.151499823	1.07098E-05	2.504644156	3.59431982	0.058878042	0.00062674	10.64979458	0.001790382	0.011344031	0.000431724	0.000278744	0.000126167	0.164377034	2.33046E-06	0.000365619	0.000740507	0.001775532	0.000156595
2098 Feb	0.151546985	1.0711E-05	2.505507231	3.595658541	0.058906917	0.000626915	10.65376472	0.001790888	0.011345718	0.000431841	0.000278828	0.000126203	0.164438844	2.33079E-06	0.000365765	0.000740783	0.001775745	0.000156667
2098 Mar	0.15163824	1.07162E-05	2.506865025	3.597801685	0.058946963	0.000627219	10.65948677	0.001791855	0.011351505	0.000432092	0.00027897	0.000126268	0.164533705	2.33192E-06	0.000365944	0.000741248	0.001776608	0.000156743
2098 Apr	0.152566746	1.07454E-05	2.515818119	3.61778307	0.059431609	0.000628288	10.69394684	0.001798724	0.011389759	0.000434464	0.000279659	0.000126637	0.165320337	2.33788E-06	0.000366408	0.000746311	0.001781207	0.000156848
2098 May	0.161153153	1.06569E-05	2.53721571	3.77774024	0.065402463	0.000603152	10.7062006	0.001825242	0.011400336	0.000485625	0.000281479	0.000129394	0.170330614	2.31197E-06	0.000354217	0.000807284	0.001785074	0.000150297
2098 Jun	0.159423038	9.80898E-06	2.507951736	3.774172544	0.068813697	0.000557885	10.61973667	0.001782591	0.010548535	0.000523337	0.000287996	0.000130538	0.17011337	2.14476E-06	0.000353781	0.000837624	0.00171001	0.000153591
2098 Jul	0.165757805	1.03261E-05	2.612999678	3.915463924	0.071044162	0.00058111	11.05747414	0.001861352	0.01105773	0.000539467	0.00030238	0.000135816	0.176681489	2.25615E-06	0.000369374	0.00086973	0.001803897	0.000160336
2098 Aug	0.16378741	1.04459E-05	2.574050903	3.852538824	0.069122635	0.000579923	10.85972595	0.001844566	0.011089235	0.000523166	0.000293586	0.000133631	0.173743382	2.27359E-06	0.000359564	0.000844121	0.001795701	0.00015487
2098 Sep	0.152387992	1.01297E-05	2.465243101	3.623052835	0.062554367	0.0005884	10.45461273	0.001756963	0.0107338	0.000464678	0.000272957	0.000126291	0.164579198	2.20597E-06	0.000351788	0.000762837	0.001694065	0.000151515
2098 Oct	0.142353937	9.81675E-06	2.440100431	3.472556829	0.057037495	0.000621513	10.49415588	0.001705852	0.010465427	0.000411925	0.000263964	0.000122601	0.160087079	2.15377E-06	0.000368092	0.000694519	0.001605156	0.00016086
2098 Nov	0.138780206	9.70574E-06	2.456812382	3.437699556	0.05526818	0.000640892	10.64534664	0.001698346	0.01036713	0.000393562	0.000264139	0.000122494	0.159799695	2.14007E-06	0.000381529	0.000671294	0.001575992	0.000168337
2098 Dec	0.138738811	9.70723E-06	2.466530561	3.444161654	0.055302076	0.000644164	10.69794178	0.001702284	0.010368361	0.000393325	0.000265327	0.000122927	0.160278395	2.14223E-06	0.000384506	0.000671257	0.001576653	0.000169942
2099 Jan	0.138769343	9.70875E-06	2.46734643	3.445179701	0.055318259	0.000644399	10.70184994	0.001702739	0.010370257	0.000393376	0.000265405	0.000122961	0.160329863	2.14263E-06	0.000384674	0.00067141	0.001576873	0.000170025
2099 Feb	0.138813734	9.71047E-06	2.46838975	3.446568012	0.055344306	0.00064465	10.70676708	0.001703333	0.010372357	0.000393492	0.000265515	0.000123008	0.1603982	2.14309E-06	0.000384878	0.000671664	0.001577182	0.000170128
2099 Mar	0.13906312	9.7271E-06	2.472763062	3.452772141	0.055447113	0.000645769	10.72575092	0.001706336	0.010390284	0.000394192	0.000265981	0.000123223	0.160685539	2.14677E-06	0.000385555	0.000672887	0.001579887	0.000170428
2099 Apr	0.140998423	9.79928E-06	2.494089127	3.495610952	0.056422174	0.000649134	10.81080246	0.001722196	0.010480029	0.000399218	0.000267782	0.000124148	0.162430286	2.1619E-06	0.000387267	0.000683246	0.001591327	0.000171014
2099 May	0.161482036	9.61141E-06	2.559173584	3.887653351	0.070477232	0.000597882	10.92184639	0.001790545	0.01054405	0.000491224	0.000271313	0.000128342	0.175078496	2.10761E-06	0.000362214	0.000823261	0.001592778	0.000157328
2099 Jun	0.160530001	9.41904E-06	2.571691751	3.885143995	0.071296863	0.000586404	11.00106335	0.001790153	0.010305539	0.000506392	0.000280908	0.000130351	0.175570935	2.07475E-06	0.000369773	0.000836203	0.001600299	0.000162631
2099 Jul	0.165651262	9.85935E-06	2.649552345	3.991549253	0.072885126	0.000603494	11.31880569	0.001851259	0.010731395	0.000517597	0.000291074	0.000134182	0.180430099	2.16787E-06	0.000380346	0.000858856	0.001674726	0.000166967
2099 Aug	0.169277474	1.02504E-05	2.703109264	4.068626881	0.073747799	0.000621187	11.5233736	0.001896426	0.011084388	0.000522488	0.000294077	0.000136835	0.183856055	2.24749E-06	0.000384995	0.00086771	0.001722734	0.000168163
2099 Sep	0.161770374	1.01042E-05	2.585993767	3.879961014	0.068997622	0.000611244	11.00026512	0.001823466	0.010869354	0.000485175	0.000275494	0.000130306	0.175344199	2.20637E-06	0.00036537	0.000812143	0.001664408	0.000158092
2099 Oct	0.154638112	9.91187E-06	2.553757429	3.758763313	0.064887121	0.000629094	10.94637108	0.00178296	0.01069497	0.000449432	0.000268535	0.000127292	0.171284541	2.17259E-06	0.000372699	0.000764053	0.001609407	0.000162432
2099 Nov	0.150477916	9.78595E-06	2.555410862	3.703570127	0.062739186	0.000644429	11.02449226	0.001767527	0.010573668	0.000429774	0.000267467	0.000126556	0.169992089	2.15407E-06	0.000383108	0.000737749	0.001578672	0.000168381
2099 Dec	0.150501713	9.78982E-06	2.558890104	3.706313848	0.062757269	0.000645628	11.04260731	0.001769139	0.010577841	0.00042975	0.000267863	0.00012671	0.170171693	2.15543E-06	0.000384075	0.000737854	0.001579309	0.000168888
2100 Jan	0.150513589	9.79021E-06	2.559514523	3.706958532	0.062766179	0.000645824	11.04580975	0.001769431	0.010578493	0.000429749	0.000267924	0.000126734	0.170208275	2.1556E-06	0.000384233	0.000737918	0.001579357	0.00016897
2100 Feb	0.150539488	9.79075E-06	2.560313702	3.707941771	0.062784925	0.000646018	11.0497427	0.001769838	0.010579309	0.000429812	0.000268011	0.000126769	0.170259267	2.15582E-06	0.00038441	0.000738084	0.001579479	0.000169063
2100 Mar	0.150603727	9.79426E-06	2.561437368	3.709593296	0.062815055	0.000646287	11.0546875	0.00177058	0.010583242	0.000429989	0.000268127	0.000126822	0.170335412	2.15661E-06	0.000384586	0.000738415	0.001580054	0.000169144
2100 Apr	0.151254565	9.84266E-06	2.597347736	3.743566275	0.063236408	0.000656933	11.23503017	0.001788702	0.010633619	0.000431856	0.000272409	0.000128508	0.172331452	2.17171E-06	0.000393617	0.00074229	0.001589436	0.00017385
2100 May	0.159141079	9.88028E-06	2.633934021	3.891332388	0.068345577	0.000638608	11.32346058	0.00182563	0.010735689	0.000483431	0.000278932	0.000132547	0.177358449	2.17481E-06	0.000387465	0.00079943	0.001621587	0.000170338
2100 Jun	0.156017214	9.31846E-06	2.554983377	3.801090717	0.069281429	0.000582787	10.95754528	0.00177211	0.01009943	0.000507143	0.00028521	0.000131195	0.172942489	2.05721E-06	0.000375365	0.000818689	0.001603369	0.000166781
2100 Jul	0.153907403	9.44506E-06	2.568679571	3.760671139	0.067653634	0.000588533	11.03922462	0.001779721	0.01014368	0.000492048	0.000292436	0.000131388	0.172164202	2.08816E-06	0.000384461	0.00080835	0.001638922	0.000171814
2100 Aug	0.148969382	9.45603E-06	2.541375875	3.665099144	0.064510882	0.000596562	10.95138836	0.001756401	0.010031783	0.00046449	0.000285215	0.000129463	0.16884543	2.09093E-06	0.00038504	0.000765348	0.001610269	0.000172516
2100 Sep	0.145183206	9.46603E-06	2.549296141	3.617553711	0.062327612	0.000615122	11.03439617	0.001750539	0.009970855	0.00044294	0.000282582	0.000129218	0.167905867	2.09808E-06	0.000393522	0.00073581	0.00159034	0.000177189
2100 Oct	0.144011378	9.46971E-06	2.570408344	3.615885258	0.061592218	0.00062943	11.16668034	0.001755487	0.009987846	0.000434733	0.000283851	0.000129742	0.16852735	2.10409E-06	0.000402488	0.000725684	0.00158405	0.000181897
2100 Nov	0.143837005	9.47928E-06	2.588084936	3.625927687	0.061532788	0.000636631	11.26381302	0.001762469	0.010000055	0.00043316	0.000285738	0.00013046	0.169346422	2.10938E-06	0.000408119	0.000724328	0.001584785	0.000184885
2100 Dec	0.143920973	9.48636E-06	2.591747522	3.629560232	0.061574668	0.000637771	11.28185081	0.001764427	0.010007593	0.000433347	0.000286151	0.00013063	0.169552431	2.11131E-06	0.000408993	0.000724743	0.001585965	0.00018533
2101 Jan	0.143955752	9.4882E-06	2.592192411	3.63034749	0.061589446	0.000637882	11.28367996	0.001764754	0.010009794	0.00043342	0.000286185	0.000130648	0.16958566	2.1117E-06	0.00040904	0.000724906	0.001586223	0.000185347
2101 Feb	0.143978313	9.48877E-06	2.592852831	3.631170988	0.061605033	0.000638043	11.28690434	0.001765097	0.010010595	0.000433475	0.000286256	0.000130677	0.169627994	2.11189E-06	0.000409184	0.000725046	0.001586339	0.000185422
2101 Mar	0.144029036	9.49154E-06	2.593674421	3.632423162	0.061628606	0.000638228	11.29044628	0.001765658	0.010013655	0.00043362	0.000286342	0.000130716	0.169684649	2.11251E-06	0.000409303	0.00072531	0.001586801	0.000185475
2101 Apr	0.14454551	9.52409E-06	2.602626085	3.645298004	0.061853781	0.000640379	11.3292141	0.001771785	0.010048333	0.000435156	0.000287317	0.000131164	0.170279488	2.11973E-06	0.000410673	0.000727929	0.00159223	0.000186092
2101 May	0.152909994	9.59073E-06	2.608787775	3.77807641	0.066775769	0.000615233	11.25072956	0.001797445	0.010205301	0.000484482	0.000288466	0.000133459	0.173908174	2.12212E-06	0.000394327	0.000784016	0.001620649	0.000176772

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.154215038	9.34052E-06	2.597723722	3.79729104	0.06898912	0.000588712	11.18363953	0.001790199	0.009968727	0.00051069	0.000295288	0.000134462	0.174257591	2.07057E-06	0.000390873	0.000813763	0.001624234	0.00017612
2101 Jul	0.160265461	9.80142E-06	2.71128726	3.945621252	0.071390107	0.000614942	11.67404747	0.001869616	0.010428458	0.000527464	0.00031027	0.000140163	0.18134746	2.17259E-06	0.000409626	0.000845873	0.001709186	0.000184734
2101 Aug	0.16622518	1.02344E-05	2.807868004	4.085617542	0.073706649	0.000638623	12.07967758	0.001939746	0.010863122	0.000544234	0.000320196	0.000145112	0.187730446	2.26565E-06	0.000422869	0.0008728	0.0017765	0.000190354
2101 Sep	0.160339132	1.01616E-05	2.69123888	3.91918087	0.069513142	0.000627676	11.53658676	0.001872973	0.010747783	0.00051015	0.000300597	0.000138478	0.179741755	2.23679E-06	0.000399637	0.000824236	0.001726767	0.000177911
2101 Oct	0.157780975	1.01202E-05	2.644880533	3.849656105	0.067547612	0.000627006	11.33235645	0.001844304	0.010730278	0.000493817	0.000292449	0.000135507	0.176458731	2.22349E-06	0.000391827	0.000802976	0.001702926	0.000173575
2101 Nov	0.152371451	9.95779E-06	2.596914768	3.742007256	0.064293467	0.000633942	11.16880226	0.001802882	0.010591425	0.000465195	0.000283624	0.000131954	0.172230259	2.19026E-06	0.000390479	0.000765154	0.001654735	0.000173124
2101 Dec	0.151691362	9.94718E-06	2.59217906	3.729054213	0.063826926	0.000636037	11.15499115	0.001798428	0.010586271	0.000460958	0.00028245	0.00013152	0.171745479	2.18819E-06	0.000390662	0.000759809	0.001649126	0.000173202
2102 Jan	0.15170224	9.94734E-06	2.593023539	3.72986865	0.063837312	0.000636315	11.15942478	0.001798794	0.010586806	0.000460932	0.000282531	0.000131551	0.171793804	2.18836E-06	0.000390889	0.000759868	0.001649122	0.000173322
2102 Feb	0.151748478	9.94865E-06	2.594033957	3.731291533	0.063866131	0.000636541	11.16417885	0.001799363	0.010588575	0.000461048	0.000282635	0.000131595	0.171862453	2.18873E-06	0.000391081	0.000760141	0.001649363	0.000173419
2102 Mar	0.151837125	9.95351E-06	2.595600605	3.733577728	0.063908122	0.000636909	11.17107201	0.001800396	0.010593956	0.000461304	0.000282801	0.00013167	0.171968251	2.18983E-06	0.000391328	0.000760606	0.001650177	0.000173534
2102 Apr	0.152237758	9.97919E-06	2.602324486	3.743378639	0.064078517	0.000638538	11.19993782	0.001805071	0.010621416	0.000462513	0.000283528	0.00013201	0.172417283	2.19548E-06	0.000392326	0.000762621	0.00165443	0.000173974
2102 May	0.154169589	1.01049E-05	2.635051012	3.790717125	0.064893939	0.000646518	11.34055233	0.001827823	0.010755401	0.000468414	0.000287092	0.000133672	0.174592257	2.22311E-06	0.000397221	0.00077232	0.001675296	0.00017614
2102 Jun	0.132471979	9.66525E-06	2.387053967	3.248722076	0.053165682	0.000578749	10.25997353	0.001672385	0.009934217	0.00037264	0.000291692	0.000119706	0.15263325	2.12681E-06	0.000377506	0.000687602	0.001707601	0.000169673
2102 Jul	0.124892965	9.68862E-06	2.342013121	3.07184267	0.048586812	0.000566988	10.08848572	0.001642974	0.009770587	0.000333139	0.000301578	0.000116538	0.146431297	2.13577E-06	0.000383056	0.000656825	0.001756234	0.000173929
2102 Aug	0.126817882	9.95867E-06	2.365467072	3.105720997	0.048722245	0.000576767	10.16568089	0.001666965	0.009999233	0.000333235	0.000301421	0.000117671	0.147863179	2.18902E-06	0.000383376	0.000656903	0.001784225	0.000173253
2102 Sep	0.126093641	1.00239E-05	2.337743759	3.076133966	0.047713816	0.00057818	10.02242184	0.001654895	0.010057237	0.000324715	0.000293752	0.000116042	0.146176592	2.19655E-06	0.000375144	0.00064315	0.001772613	0.000168403
2102 Oct	0.120310843	9.73788E-06	2.259687185	2.954431772	0.04429521	0.000582837	9.725197792	0.00159268	0.009859803	0.000295831	0.000276152	0.000110892	0.140744373	2.13371E-06	0.000365938	0.00059759	0.001683725	0.000163665
2102 Nov	0.120287143	9.7509E-06	2.272392273	2.963248014	0.044265434	0.000588475	9.793914795	0.001597994	0.009878696	0.000294779	0.000277182	0.000111389	0.141370252	2.13849E-06	0.000369726	0.000596612	0.00168389	0.000165625
2102 Dec	0.12034069	9.75583E-06	2.27323842	2.964441061	0.044278916	0.000588766	9.797418594	0.001598641	0.009884023	0.000294858	0.000277256	0.000111427	0.141424	2.13952E-06	0.000369839	0.000596811	0.001684585	0.000165666
2103 Jan	0.120367177	9.75709E-06	2.273482084	2.964983225	0.044289947	0.000588823	9.798322678	0.001598843	0.009885618	0.000294907	0.000277266	0.000111436	0.141444907	2.13977E-06	0.000369847	0.000596931	0.001684741	0.000165664
2103 Feb	0.120423801	9.76021E-06	2.274279833	2.966287136	0.044315364	0.000588989	9.80163002	0.001599422	0.009889055	0.000295047	0.000277351	0.000111472	0.141501829	2.14044E-06	0.000369945	0.000597227	0.001685268	0.000165705
2103 Mar	0.12051817	9.76706E-06	2.275913715	2.968561888	0.044352598	0.000589391	9.808599472	0.001600581	0.009896142	0.00029528	0.000277544	0.000111551	0.141607463	2.14194E-06	0.000370194	0.000597703	0.001686444	0.000165815
2103 Apr	0.120960295	9.80243E-06	2.284178257	2.979423523	0.044516739	0.000591518	9.844176292	0.001606399	0.009932068	0.000296363	0.000278548	0.000111955	0.142123953	2.14969E-06	0.000371529	0.000599901	0.001692548	0.000166411
2103 May	0.129489422	9.85095E-06	2.403630018	3.202546835	0.0503718	0.000603473	10.3755188	0.001677435	0.010078292	0.000347242	0.000291477	0.000119444	0.151789144	2.16867E-06	0.000388206	0.000657405	0.001715933	0.000174972
2103 Jun	0.137070373	9.35165E-06	2.420823574	3.364199638	0.05776269	0.000562285	10.40943909	0.001685916	0.009704262	0.000420748	0.000297277	0.00012361	0.15707086	2.06453E-06	0.000379907	0.000730681	0.001681071	0.000172133
2103 Jul	0.136349022	9.55401E-06	2.44984746	3.351588011	0.056580603	0.000571941	10.55823421	0.001704594	0.009829838	0.000409104	0.000304166	0.000124534	0.157450035	2.11103E-06	0.000390408	0.000721782	0.001718328	0.000177664
2103 Aug	0.133504063	9.67091E-06	2.387353659	3.244210482	0.053428251	0.00056333	10.27733135	0.001672479	0.009833586	0.000385595	0.000290998	0.000120872	0.152542621	2.12701E-06	0.000378124	0.000675948	0.001688873	0.00017121
2103 Sep	0.129529506	9.59427E-06	2.383919716	3.192805529	0.050986513	0.000586039	10.32556248	0.001655397	0.009790408	0.000361206	0.000284579	0.000119482	0.151174262	2.1156E-06	0.000385367	0.000643182	0.001646094	0.000174951
2103 Oct	0.121908799	9.33401E-06	2.370557308	3.091328382	0.046694927	0.000622022	10.3955698	0.001615795	0.009625758	0.000319044	0.000274106	0.000116604	0.148318946	2.07145E-06	0.000399179	0.000586858	0.001558741	0.000182472
2103 Nov	0.120057434	9.27918E-06	2.372495651	3.070281267	0.045629892	0.000633201	10.44023228	0.001608471	0.009596827	0.000308256	0.000271961	0.000116099	0.14787817	2.06324E-06	0.000404044	0.000572743	0.001537947	0.000185067
2103 Dec	0.120071851	9.28176E-06	2.374782324	3.07207799	0.045640033	0.000634023	10.45215797	0.001609523	0.009599743	0.000308218	0.000272209	0.000116198	0.147996202	2.06413E-06	0.000404683	0.000572786	0.001538316	0.000185402
2104 Jan	0.120087288	9.28217E-06	2.375555992	3.072894573	0.045652103	0.00063426	10.45611	0.001609884	0.009600461	0.000308234	0.000272286	0.00011623	0.148042157	2.06432E-06	0.000404877	0.000572875	0.001538368	0.000185504
2104 Feb	0.120124236	9.28332E-06	2.375972748	3.073735237	0.045671873	0.000634321	10.45780563	0.001610181	0.00960197	0.000308328	0.000272321	0.000116247	0.148076609	2.06457E-06	0.000404914	0.000573078	0.001538552	0.000185518
2104 Mar	0.120226182	9.29026E-06	2.37778759	3.076264143	0.045713533	0.000634777	10.46568966	0.001611428	0.009609332	0.000308588	0.000272521	0.000116334	0.148194686	2.0661E-06	0.000405201	0.000573578	0.001539699	0.000185647
2104 Apr	0.12092188	9.3435E-06	2.391433954	3.094020844	0.045979686	0.000638404	10.52569485	0.001620685	0.009664497	0.000310374	0.000274081	0.000117001	0.149047956	2.07793E-06	0.000407513	0.000576905	0.001548519	0.000186706
2104 May	0.133427784	9.43906E-06	2.430167437	3.318140507	0.053637963	0.000611202	10.56460667	0.001671006	0.009888283	0.000383209	0.00027801	0.000121711	0.156115174	2.08596E-06	0.000390985	0.00066048	0.001587344	0.000177
2104 Jun	0.138033211	9.07744E-06	2.430158615	3.410383701	0.058684874	0.000574425	10.51799393	0.00167264	0.009575625	0.000432965	0.000284768	0.000124169	0.158886492	2.0096E-06	0.00038286	0.000716159	0.001579588	0.000174052
2104 Jul	0.140335247	9.39661E-06	2.470647335	3.449869394	0.058888011	0.000583418	10.67958069	0.001707495	0.009851309	0.000433643	0.000291765	0.000126009	0.160900488	2.07637E-06	0.000389253	0.000723888	0.001635245	0.000176735
2104 Aug	0.141246781	9.62184E-06	2.472679138	3.453472614	0.058430083	0.000587999	10.66076469	0.00171833	0.010024233	0.000429471	0.000288954	0.000126018	0.160890505	2.11861E-06	0.000385765	0.000716735	0.001652831	0.000174216
2104 Sep	0.135880038	9.53118E-06	2.418673277	3.344546556	0.055170987	0.000594246	10.44500256	0.001678207	0.009889164	0.000399835	0.000276754	0.00012246	0.156449944	2.09681E-06	0.000379611	0.000674421	0.001604919	0.000171086
2104 Oct	0.129533097	9.35261E-06	2.424867392	3.267529726	0.051609635	0.000627461	10.59011459	0.001654568	0.009767827	0.000363908	0.000271887	0.000120867	0.154780596	2.07086E-06	0.000396384	0.000629061	0.001545006	0.000180263
2104 Nov	0.127849817	9.31351E-06	2.448966503	3.263231516	0.050780941	0.000643676	10.74816036	0.001657811	0.009743357	0.000354186	0.000273341	0.000121458	0.15547432	2.06956E-06	0.000407502	0.000617443	0.001531377	0.000186298
2104 Dec	0.127824873	9.31491E-06	2.458432674	3.269748926	0.050825417	0.000646787	10.79901028	0.001661691	0.009744291	0.000354062	0.000274515	0.000121885	0.155947953	2.07155E-06	0.000410378	0.000617536	0.001532074	0.00018786
2105 Jan	0.127831817	9.31498E-06	2.459336042	3.270540237	0.05083501	0.000647075	10.8037796	0.001662075	0.009744566	0.000354056	0.000274614	0.000121923	0.155997708	2.07171E-06	0.000410631	0.00061759	0.001532097	0.000187996
2105 Feb	0.127864614	9.31619E-06	2.460141659	3.271594763	0.050854821	0.000647269	10.80759716	0.001662526	0.009746049	0.00035414	0.0002747	0.000121958	0.156050205	2.07204E-06	0.000410793	0.000617781	0.001532316	0.000188079
2105 Mar	0.127908021	9.31865E-06	2.460839272	3.272655249	0.050874367	0.00064743	10.81059551	0.001663006	0.009748764	0.000354256	0.000274773	0.000121991	0.156098127	2.07258E-06	0.000410894	0.000618002	0.001532718	0.000188124
2105 Apr	0.128314599	9.34787E-06	2.468570471	3.283019781	0.051037308	0.000649451	10.84451008	0.001668239	0.00977941	0.00035538	0.000275633	0.000122374	0.156590819	2.07908E-06	0.000412174	0.000619972	0.001537522	0.000188709
2105 May	0.137615368	9.41719E-06	2.496197462	3.447717905	0.056745473	0.000627681	10.86691666	0.001705365	0.009941183	0.000409746	0.000279136	0.000125833	0.161751613	2.08471E-06	0.000399731	0.000683097	0.001568995	0.000181455
2105 Jun	0.145330638	9.40943E-06	2.522344828	3.587270498	0.061996594	0.000603269	10.90037155	0.001736877	0.009995848	0.000459844	0.000286083	0.000129194	0.166263595	2.07759E-06	0.000391058	0.000743921	0.001602545	0.000176781
2105 Jul	0.148238987	9.72909E-06	2.55273056	3.629599333	0.062375046	0.000609248	11.00713634	0.001767826	0.01028359	0.000463168	0.000289679	0.000130636	0.16803588	2.14178E-06	0.000393088	0.000750474	0.001648236	0.000177016
2105 Aug	0.141491517	9.65494E-06	2.527340651	3.509850979	0.05849272	0.000620089	10.96319866	0.001737326	0.010061375	0.00042763	0.000282594	0.000128485	0.164226234	2.131E-06	0.000398829	0.000695509	0.001601895	0.000181004
2105 Sep	0.131129399	9.4061E-06	2.558084249	3.39752388	0.053469602	0.000668412	11.27613068	0.001713525	0.009746932	0.000375125	0.00028003	0.000127898	0.162576959	2.09961E-06	0.000429239	0.000626614	0.001524803	0.000198331
2105 Oct	0.124986708	9.21694E-06	2.565496445	3.323209047	0.050153814	0.000698574	11.423563	0.001691242	0.009611039	0.000341525	0.000277044	0.000126484	0.161019221	2.0717E-06	0.000446302	0.000585823	0.001471322	0.0002078
2105 Nov	0.122596964	9.1478E-06	2.588905573	3.309117079	0.048991922	0.000716782	11.59020042	0.001691209	0.009561015	0.000328499	0.000278486	0.000126877	0.161457792	2.06532E-06	0.000459055	0.000570558	0.001452538	0.000214812
2105 Dec	0.122584157	9.14885E-06	2.592332602	3.311403275	0.049001273	0.000717987	11.60866451	0.001692612	0.009562154	0.000328386	0.000278893	0.000127027	0.161626831	2.06614E-06	0.000460105	0.000570526	0.001452781	0.000215379
2106 Jan	0.122598663	9.14918E-06	2.592885256	3.312041759	0.049011573	0.000718153	11.61144829	0.001692878	0.009562799	0.000328396	0.000278945	0.000127048	0.161661074	2.06628E-06	0.000460236	0.000570608	0.00145282	0.000215447
2106 Feb	0.122627564	9.14972E-06	2.593191147	3.312710285	0.049028613	0.000718186	11.61270046	0.001693088	0.009563666	0.000328468	0.000278969	0.00012706	0.161688015	2.0664E-06	0.00046026	0.000570776	0.001452909	0.000215457
2106 Mar	0.12268535	9.15313E-06	2.594187021	3.314167023	0.04905434	0.000718431	11.6170454	0.001693758	0.009567408	0.00032862	0.00027907	0.000127107	0.1617551	2.06716E-06	0.000460413	0.000571061	0.001453449	0.000215527
2106 Apr	0.123199105	9.19095E-06	2.604918003	3.327983856	0.049261242	0.000721385	11.66503334	0.001700777	0.009607034	0.000329994	0.000280221	0.000127632	0.162427112	2.07569E-06	0.000462304	0.000573462	0.001459453	0.00021641
2106 May	0.128158197	9.32212E-06	2.631961584	3.418570518	0.051920481	0.000716611	11.73549175	0.001729084	0.009777776	0.000354481	0.000283533	0.000129802	0.165552512	2.09926E-06	0.000458964	0.000604396	0.001489145	0.000214017
2106 Jun	0.131435722	9.04633E-06	2.539733171	3.399662495	0.055534374	0.00063934	11.1840744	0.001698582	0.00946694	0.000395883	0.000291928	0.000127884	0.162279576	2.02691E-06	0.00042802	0.00066682	0.00154074	0.000199141
2106 Jul	0.131918609	9.38183E-06	2.569210768	3.395414591	0.054614756	0.000645051	11.30103302	0.001726991	0.009709951	0.000386515	0.00030181	0.000128922	0.162753791	2.09784E-06	0.000435677	0.000667874	0.001611935	0.000202816
2106 Aug	0.128129646	9.44151E-06	2.495162725	3.275643826	0.051409304	0.000635015	10.95745277	0.001687592	0.009644502	0.000361219	0.000287596	0.00012482	0.157241091	2.10094E-06	0.000420454	0.00062316	0.00157965	0.000194858
2106 Sep	0.120757356	9.30074E-06	2.50346756	3.189177752	0.047687888	0.000668427	11.09979725	0.001666263	0.009433367	0.000322658	0.000281235	0.000123863	0.155479103	2.08211E-06	0.00043632	0.000569193	0.001517946	0.000203921
2106 Oct	0.118772522	9.26538E-06	2.530883074	3.183823824	0.046540555	0.000690407	11.28335476	0.001669343	0.009437932	0.0003094	0.000281939	0.000124315	0.156241983	2.08224E-06	0.000449286	0.00055403	0.001499657	0.000210792
2106 Nov	0.119014762	9.287E-06	2.538144112	3.191779375	0.046631109	0.000692728	11.31756496	0.001673666	0.009460784	0.000309856	0.000282706	0.00012465	0.156663731	2.08737E-06	0.000450821	0.000555049	0.001502919	0.000211543
2106 Dec	0.119048022	9.29008E-06	2.538686514	3.192538261	0.046639066	0.000692926	11.3198452	0.001674072	0.009464171	0.000309901	0.000282747	0.000124674	0.156698138	2.08802E-06	0.000450896	0.00055516	0.001503323	0.00021157
2107 Jan	0.119063884	9.29072E-06	2.538782835	3.192836046	0.046645731	0.000692945	11.32013416	0.001674167	0.009465055	0.000309927	0.000282745	0.000124676	0.156708449	2.08814E-06	0.000450886	0.000555231	0.001503392	0.000211561
2107 Feb	0.119107828	9.29312E-06	2.539468288	3.193902493	0.046665888	0.0006931	11.32306767	0.001674641	0.009467696	0.00031004	0.000282814	0.000124708	0.156756282	2.08866E-06	0.000450982	0.000555453	0.001503776	0.000211603
2107 Mar	0.119220167	9.30132E-06	2.541725874	3.196853876	0.046711508	0.000693698	11.33306694	0.001676141	0.009476161	0.000310331	0.000283062	0.000124818	0.156898677	2.0905E-06	0.000451369	0.000555987	0.001505102	0.000211784
2107 Apr	0.119470313	9.32052E-06	2.546980858	3.203526735	0.046810433	0.000695123	11.35645771	0.001679613	0.009495779	0.000310982	0.000283645	0.000125075	0.157224774	2.09481E-06	0.000452294	0.000557159	0.001508206	0.000212217
2107 May	0.12503016	9.35662E-06	2.556635141	3.297118664	0.05016702	0.00068027	11.3346796	0.001698675	0.009596093	0.000343247	0.000284987	0.000126775	0.15995881	2.09608E-06	0.000442991	0.000595111	0.00152646	0.00020683
2107 Jun	0.135864139	9.32833E-06	2.536732197	3.45136714	0.057128377	0.000628713	11.08298016	0.001718831	0.009684635	0.00041259	0.000288516	0.000128714	0.163368121	2.07318E-06	0.000414606	0.00068098	0.001571806	0.000191347
2107 Jul	0.136812702	9.56803E-06	2.538363218	3.443755865	0.056466993	0.000627936	11.0684433	0.001730334	0.009870099	0.000407812	0.000289525	0.000128577	0.162973389	2.11968E-06	0.000413073	0.000676027	0.00160389	0.000190077
2107 Aug	0.139759958	9.87974E-06	2.594205856	3.51061511	0.057137143	0.000644203	11.30893421	0.001771309	0.010152431	0.00041193	0.000294412	0.000131253	0.166243166	2.18607E-06	0.000421732	0.000682367	0.001643643	0.000193847
2107 Sep	0.139234275	9.96505E-06	2.574150562	3.486680269	0.05606987	0.000649064	11.20694065	0.001763287	0.010262049	0.000402232	0.000288673	0.000129726	0.164894283	2.19919E-06	0.000416189	0.00067126	0.001639807	0.000190241
2107 Oct	0.135135725	9.83221E-06	2.583060265	3.441224813	0.05392218	0.000670762	11.32670498	0.001749728	0.010165991	0.000380074	0.000286824	0.000128978	0.164103329	2.17977E-06	0.000428651	0.000644026	0.001602156	0.000197167
2107 Nov	0.133388564	9.77635E-06	2.59851861	3.430314779	0.053092137	0.000683522	11.43981075	0.00174882	0.010124222	0.000370783	0.000287566	0.000129205	0.164363027	2.17368E-06	0.000437447	0.00063288	0.001587211	0.00020203
2107 Dec	0.133403227	9.77873E-06	2.600783348	3.432096243	0.053104032	0.000684308	11.4515934	0.001749861	0.010126797	0.000370764	0.000287823	0.000129305	0.164480343	2.17451E-06	0.000438082	0.000632947	0.001587592	0.000202366
2108 Jan	0.133425429	9.77979E-06	2.601489305	3.432923555	0.053116728	0.000684518	11.45503521	0.001750237	0.010128152	0.0003708	0.000287893	0.000129335	0.16452378	2.17481E-06	0.000438238	0.000633062	0.001587749	0.000202446
2108 Feb	0.133456051	9.78074E-06	2.601843119	3.43362689	0.053133208	0.000684571	11.45648575	0.001750487	0.010129393	0.000370877	0.000287923	0.00012935	0.164552808	2.17501E-06	0.000438271	0.000633231	0.0015879	0.00020246
2108 Mar	0.133597896	9.79042E-06	2.604444742	3.437207937	0.053191822	0.000685232	11.46785545	0.001752252	0.010139565	0.000371268	0.000288205	0.000129477	0.16472137	2.17716E-06	0.000438691	0.000633916	0.001589469	0.000202652
2108 Apr	0.134697944	9.86782E-06	2.625154734	3.465202093	0.053639438	0.000690576	11.55865383	0.001766249	0.010220386	0.000374307	0.000290472	0.000130501	0.166049168	2.19433E-06	0.000442095	0.000639189	0.001602023	0.000204216

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.137774125	1.00343E-05	2.668381453	3.536047935	0.055028796	0.000699512	11.73823071	0.001797484	0.010403778	0.0003839	0.000294994	0.000132685	0.169143394	2.23007E-06	0.000447447	0.000655097	0.001629708	0.000206468
2108 Jun	0.134068415	9.87792E-06	2.447404385	3.30262351	0.052826863	0.000609155	10.57315731	0.001701879	0.010129335	0.000375842	0.000288477	0.000122808	0.15595834	2.16811E-06	0.000392726	0.000664753	0.001680844	0.000178346
2108 Jul	0.137630016	1.0315E-05	2.508642435	3.369386435	0.053558461	0.000621399	10.81031227	0.001754413	0.010519749	0.000379943	0.000300675	0.000125722	0.159233391	2.25966E-06	0.000402029	0.000684717	0.001769703	0.000182253
2108 Aug	0.143170759	1.08011E-05	2.602874756	3.497159719	0.055362798	0.000646834	11.20301056	0.001824643	0.010989114	0.00039228	0.000310372	0.000130418	0.165176705	2.36284E-06	0.000415217	0.000706936	0.001842974	0.000187772
2108 Sep	0.142535895	1.08492E-05	2.579635382	3.471428633	0.05449979	0.000647814	11.08489323	0.00181425	0.011040687	0.000384843	0.000304578	0.000128983	0.163728729	2.36828E-06	0.000408731	0.000696519	0.001835135	0.000183903
2108 Oct	0.133665442	1.04289E-05	2.469053745	3.286885023	0.049532756	0.00065109	10.66416645	0.001725903	0.010714703	0.000341722	0.000282946	0.000121697	0.155718446	2.27778E-06	0.000397187	0.000634287	0.001721259	0.000178251
2108 Nov	0.132323906	1.0382E-05	2.479135036	3.278138161	0.048864707	0.00066131	10.74330711	0.001723967	0.010684808	0.000334397	0.000282662	0.000121757	0.15585652	2.2719E-06	0.000403391	0.000624738	0.001706378	0.000181654
2108 Dec	0.132355869	1.03855E-05	2.481265306	3.28002286	0.048880529	0.000662036	10.75405979	0.001725037	0.010688635	0.000334425	0.000282898	0.000121852	0.15597114	2.27291E-06	0.000403942	0.000624873	0.001706922	0.000181941
2109 Jan	0.132375166	1.03862E-05	2.481513262	3.280489683	0.048889857	0.000662102	10.75512218	0.001725203	0.010689653	0.000334454	0.00028291	0.00012186	0.155990735	2.27306E-06	0.00040397	0.000624963	0.001706994	0.000181951
2109 Feb	0.132418737	1.03882E-05	2.482073307	3.281486034	0.048910793	0.000662208	10.75742912	0.001725607	0.010691953	0.000334564	0.000282963	0.000121885	0.156033099	2.27349E-06	0.000404031	0.000625192	0.001707313	0.000181976
2109 Mar	0.132571176	1.03994E-05	2.484779596	3.285210371	0.048969671	0.000662907	10.76908112	0.0017275	0.010703598	0.000334949	0.000283266	0.000122017	0.156207263	2.27592E-06	0.000404454	0.000625924	0.001709145	0.000182165
2109 Apr	0.133286268	1.04547E-05	2.498034	3.302877665	0.049236335	0.00066642	10.82644939	0.001736726	0.010760681	0.000336756	0.000284771	0.000122667	0.157044455	2.28802E-06	0.000406594	0.000629312	0.001718233	0.000183127
2109 May	0.140931651	1.04474E-05	2.517340183	3.440666437	0.054193102	0.000646322	10.8334198	0.001763191	0.010840963	0.000384062	0.000286724	0.000125465	0.16130285	2.27968E-06	0.000395548	0.00068227	0.001733258	0.000176869
2109 Jun	0.151507571	1.03827E-05	2.543576956	3.631257772	0.061463945	0.000612059	10.83831787	0.001799149	0.010885153	0.000453858	0.00029254	0.00012962	0.167219654	2.25769E-06	0.000380723	0.000762739	0.001760632	0.000168843
2109 Jul	0.151322544	1.05672E-05	2.527812719	3.595136881	0.0602099	0.00060742	10.75236893	0.001798355	0.011001077	0.000444688	0.000291125	0.000128561	0.165571406	2.29207E-06	0.000376834	0.000749436	0.001779458	0.000166567
2109 Aug	0.151412353	1.0779E-05	2.535726309	3.580969572	0.059059795	0.000612657	10.79375267	0.001807578	0.011138823	0.000435491	0.000289567	0.000128587	0.16525881	2.33522E-06	0.00037887	0.000731249	0.001789035	0.000167408
2109 Sep	0.146443933	1.06335E-05	2.533001661	3.517228603	0.056489561	0.00063343	10.85794926	0.001786954	0.010999851	0.000409584	0.000285056	0.000127311	0.163661972	2.31178E-06	0.000388717	0.000697005	0.001742942	0.000173034
2109 Oct	0.134653613	1.01495E-05	2.532222986	3.37279129	0.05084509	0.000679997	11.06182194	0.001734682	0.010591919	0.000352743	0.000277837	0.000124504	0.160299227	2.2314E-06	0.000416568	0.000623213	0.001625501	0.000189193
2109 Nov	0.133959845	1.01385E-05	2.548586369	3.375800848	0.050515041	0.000689343	11.16098404	0.001738769	0.010589221	0.000348401	0.000279067	0.000125013	0.160914719	2.23282E-06	0.000423041	0.000618347	0.001620308	0.000192692
2109 Dec	0.133950561	1.01408E-05	2.558267832	3.382663488	0.050567228	0.000692497	11.21262836	0.00174281	0.010590922	0.000348337	0.000280272	0.000125452	0.161404535	2.23493E-06	0.000425949	0.000618533	0.001621151	0.000194278
2110 Jan	0.13398698	1.01428E-05	2.558744431	3.38348341	0.050582092	0.000692619	11.21458721	0.001743163	0.010593343	0.000348413	0.00028031	0.000125473	0.161439449	2.23537E-06	0.000426002	0.0006187	0.001621443	0.000194298
2110 Feb	0.134038255	1.01455E-05	2.559464693	3.384677649	0.050605498	0.000692774	11.21760464	0.001743675	0.01059634	0.000348544	0.00028038	0.000125506	0.161491498	2.23594E-06	0.000426091	0.000618959	0.001621863	0.000194335
2110 Mar	0.134149164	1.01532E-05	2.561440468	3.387423038	0.05064958	0.000693287	11.22618866	0.001745033	0.010604529	0.000348831	0.000280591	0.000125601	0.161619782	2.23763E-06	0.000426404	0.000619484	0.001623095	0.000194476
2110 Apr	0.134584367	1.01858E-05	2.569669247	3.398380995	0.050815161	0.000695501	11.26220989	0.001750646	0.010638602	0.000349962	0.00028149	0.000126004	0.16214107	2.2448E-06	0.000427764	0.000621501	0.001628298	0.000195096
2110 May	0.137089625	1.02238E-05	2.700910807	3.532779694	0.053176112	0.000728499	11.92677021	0.001812537	0.010691539	0.000365277	0.000298209	0.000132651	0.169864491	2.27139E-06	0.000461328	0.000642657	0.001648243	0.000213334
2110 Jun	0.14154458	9.70373E-06	2.664698124	3.599819183	0.059089258	0.000664591	11.68272686	0.001797298	0.010188233	0.000424983	0.000308247	0.000134162	0.170942426	2.15879E-06	0.000443833	0.000715636	0.001652243	0.00020626
2110 Jul	0.142129675	9.96469E-06	2.671407223	3.588292599	0.058332939	0.000664244	11.68761063	0.001812627	0.010380055	0.000418432	0.000312775	0.000134248	0.170580298	2.21078E-06	0.000444417	0.000714726	0.00170143	0.000206165
2110 Aug	0.127983227	9.62909E-06	2.614231586	3.342089176	0.050845385	0.000680365	11.59887886	0.001739444	0.009771954	0.000351046	0.000297992	0.000129779	0.162744448	2.15281E-06	0.00045733	0.00060301	0.0015797	0.000215662
2110 Sep	0.11841926	9.32989E-06	2.611392021	3.223910457	0.046049945	0.0007212	11.73428822	0.001700282	0.009491422	0.000302081	0.000289654	0.000127474	0.159893543	2.10399E-06	0.00047686	0.000539474	0.001489839	0.000226858
2110 Oct	0.111074865	9.08393E-06	2.595790625	3.123381376	0.041823089	0.000756279	11.78608227	0.001661375	0.009364013	0.00025998	0.000280482	0.000124357	0.156961426	2.06155E-06	0.000489935	0.000488316	0.001412521	0.00023393
2110 Nov	0.109431677	9.02115E-06	2.603331566	3.109059811	0.041022878	0.000766509	11.85631275	0.00165714	0.009322132	0.000251374	0.000280157	0.000124231	0.156884119	2.05247E-06	0.000496193	0.000477928	0.001396223	0.000237414
2110 Dec	0.109462537	9.02473E-06	2.604590416	3.110296249	0.041030753	0.000766993	11.8624506	0.001657843	0.00932618	0.000251374	0.000280273	0.000124284	0.156953663	2.05333E-06	0.000496487	0.000478011	0.00139667	0.000237558
2111 Jan	0.10948617	9.02564E-06	2.605163097	3.111059904	0.041044071	0.000767154	11.8651762	0.001658161	0.009327432	0.000251414	0.000280325	0.000124307	0.156991348	2.05357E-06	0.000496601	0.000478135	0.001396796	0.000237616
2111 Feb	0.109515928	9.02628E-06	2.605545282	3.111791849	0.041061718	0.000767211	11.86681557	0.001658409	0.009328392	0.00025149	0.000280358	0.000124323	0.157022342	2.05372E-06	0.000496646	0.000478308	0.001396905	0.000237637
2111 Mar	0.109693401	9.0399E-06	2.60954237	3.116738558	0.04113153	0.000768356	11.88492775	0.001660965	0.009342641	0.000251902	0.000280783	0.000124512	0.157268018	2.05681E-06	0.000497387	0.000479105	0.001399016	0.00023799
2111 Apr	0.110347345	9.09321E-06	2.624943018	3.135244608	0.041378442	0.000772872	11.95499611	0.001670781	0.009397835	0.000253406	0.000282436	0.000125246	0.158199146	2.06893E-06	0.000500308	0.000481974	0.001407267	0.000239386
2111 May	0.117449246	9.22173E-06	2.643640757	3.2540977	0.045366783	0.00075738	11.95250702	0.001701139	0.00958779	0.000291335	0.000285063	0.000127597	0.161800265	2.08786E-06	0.000489721	0.000528357	0.001442696	0.000232967
2111 Jun	0.132507652	9.14707E-06	2.596718788	3.456154346	0.055378966	0.000673053	11.49225807	0.001721866	0.009631887	0.000392021	0.000289437	0.000129871	0.165641308	2.0465E-06	0.000443781	0.000651966	0.00150919	0.000208178
2111 Jul	0.137463063	9.59991E-06	2.675046206	3.559605837	0.056861129	0.00069081	11.80972862	0.001783722	0.010066852	0.000402563	0.00030043	0.00013374	0.170430928	2.14186E-06	0.000454801	0.000675238	0.001588925	0.000212782
2111 Aug	0.130510062	9.52767E-06	2.560770035	3.369090319	0.05221273	0.000672672	11.29573536	0.001716031	0.009822273	0.0003653	0.000281792	0.000127538	0.161909565	2.11656E-06	0.000434336	0.000613123	0.001533191	0.000202579
2111 Sep	0.125966221	9.50344E-06	2.56490469	3.312508345	0.049793504	0.000692968	11.36571312	0.001705703	0.009717321	0.000340124	0.000277755	0.000126994	0.160675526	2.11637E-06	0.00044269	0.00057866	0.001504282	0.000207354
2111 Oct	0.119716659	9.26746E-06	2.583492517	3.247612238	0.04672382	0.000725622	11.57698345	0.001686173	0.009542841	0.000308051	0.000276696	0.000126148	0.159773082	2.08099E-06	0.000463721	0.00054019	0.001447374	0.000219235
2111 Nov	0.116118431	9.14417E-06	2.584409475	3.202775717	0.044786647	0.000742825	11.64658356	0.001671085	0.009461868	0.000288451	0.000274426	0.000125122	0.158728451	2.06133E-06	0.000472864	0.000516742	0.001413943	0.000224351
2111 Dec	0.116095454	9.14718E-06	2.587015629	3.204273462	0.044766519	0.00074409	11.66084957	0.001672142	0.009466274	0.000288085	0.000274649	0.000125215	0.158848554	2.06237E-06	0.00047369	0.000516446	0.001414037	0.000224783
2112 Jan	0.116116054	9.1479E-06	2.588271379	3.205504417	0.044783723	0.00074447	11.66727829	0.001672726	0.009467311	0.000288113	0.000274788	0.000125269	0.15892069	2.06269E-06	0.000474017	0.000516579	0.001414175	0.000224958
2112 Feb	0.116169706	9.15013E-06	2.589201689	3.206926584	0.044812061	0.000744677	11.67142677	0.001673313	0.009469974	0.000288248	0.00027488	0.00012531	0.158985987	2.06321E-06	0.000474166	0.000516868	0.001414537	0.00022503
2112 Mar	0.116389841	9.16636E-06	2.593819857	3.212867737	0.044900235	0.000745968	11.69210339	0.001676323	0.00948697	0.000288795	0.000275363	0.000125532	0.159275502	2.06686E-06	0.000474982	0.00051787	0.001417045	0.000225415
2112 Apr	0.116990998	9.21307E-06	2.607055187	3.229386091	0.045133978	0.000749754	11.75168419	0.001684891	0.009535437	0.000290287	0.000276764	0.000126171	0.160091549	2.07738E-06	0.00047739	0.000520558	0.001424268	0.000226556
2112 May	0.125740066	9.30539E-06	2.679775238	3.415561676	0.050744582	0.000743091	12.01861763	0.00174062	0.009707681	0.000340922	0.000287219	0.000131537	0.167231545	2.09642E-06	0.000479774	0.000582978	0.001466231	0.000227392
2112 Jun	0.131807834	8.78472E-06	2.641643047	3.498583555	0.057670202	0.000666743	11.74254417	0.001730053	0.00922165	0.000411069	0.000302264	0.000133319	0.168608844	1.98258E-06	0.000459902	0.000674523	0.001494916	0.000219179
2112 Jul	0.129839674	8.99351E-06	2.683623552	3.472186804	0.056018241	0.000679478	11.9626236	0.001753739	0.009321499	0.000393449	0.000315416	0.00013468	0.169026598	2.03394E-06	0.000477321	0.000666886	0.001552802	0.000228802
2112 Aug	0.132571116	9.30524E-06	2.731903553	3.534720898	0.0566433	0.000695591	12.15770054	0.001791657	0.00959924	0.000396722	0.000318651	0.000137044	0.171966895	2.09849E-06	0.000483141	0.000673022	0.001591348	0.00023096
2112 Sep	0.130102098	9.32612E-06	2.768986702	3.527966261	0.055319443	0.000720499	12.38267612	0.00180094	0.009583852	0.000380938	0.000319855	0.000138173	0.173015475	2.11077E-06	0.000498108	0.000652498	0.001577691	0.000239113
2112 Oct	0.127428487	9.26038E-06	2.815377712	3.526882648	0.054077007	0.000748573	12.67708778	0.001809318	0.009540364	0.000365671	0.00032339	0.000139486	0.174542576	2.10876E-06	0.000518384	0.000634598	0.001556437	0.000250284
2112 Nov	0.127144545	9.26435E-06	2.827964306	3.532015562	0.053925429	0.000754894	12.74905586	0.001813604	0.00954933	0.000363378	0.000324467	0.000139924	0.17507875	2.11192E-06	0.000522795	0.000632246	0.001555029	0.000252649
2112 Dec	0.127201423	9.26919E-06	2.829011679	3.533417225	0.053942852	0.000755235	12.75360107	0.001814338	0.009554573	0.000363486	0.000324563	0.000139972	0.175144657	2.11296E-06	0.000522961	0.00063247	0.001555714	0.00025272
2113 Jan	0.127217278	9.26976E-06	2.829054356	3.533682346	0.053949315	0.00075524	12.75361633	0.001814407	0.009555425	0.000363507	0.000324553	0.000139972	0.175152451	2.11306E-06	0.000522935	0.000632538	0.001555761	0.000252703
2113 Feb	0.127260357	9.2718E-06	2.82969141	3.534722805	0.053970307	0.000755372	12.75632954	0.001814845	0.009557752	0.000363622	0.000324616	0.000140001	0.175198421	2.1135E-06	0.000523021	0.000632765	0.001556095	0.000252741
2113 Mar	0.127611503	9.29678E-06	2.837324381	3.544391394	0.054120719	0.00075739	12.79065323	0.001819756	0.009583629	0.000364621	0.000325487	0.000140377	0.175674558	2.11919E-06	0.000524414	0.000634518	0.001560283	0.000253412
2113 Apr	0.128257543	9.3435E-06	2.851588011	3.562286139	0.054395553	0.000761185	12.85490417	0.001828913	0.009631862	0.000366464	0.00032712	0.000141082	0.176559761	2.12983E-06	0.00052704	0.000637735	0.001568121	0.00025468
2113 May	0.135057747	9.44799E-06	2.867628813	3.676307201	0.058232974	0.000746374	12.84672165	0.001856067	0.009805256	0.000403108	0.000328777	0.000143227	0.179969445	2.14407E-06	0.000516492	0.000681404	0.001596539	0.000248306
2113 Jun	0.142826706	9.28479E-06	2.827738523	3.775333881	0.06382852	0.000693929	12.5386076	0.00185557	0.009729542	0.000460319	0.000329965	0.000143877	0.181412831	2.09608E-06	0.000489258	0.000749529	0.001616536	0.000233986
2113 Jul	0.145416543	9.62187E-06	2.849872589	3.803826332	0.063871302	0.000697647	12.60407543	0.001883149	0.010022388	0.000461075	0.000333091	0.000144851	0.182534933	2.16282E-06	0.000489635	0.000753357	0.001665123	0.00023334
2113 Aug	0.14710772	9.87774E-06	2.859584093	3.820139408	0.063699178	0.000701885	12.61937046	0.001899833	0.010235938	0.000459802	0.000331886	0.00014525	0.183051899	2.21201E-06	0.0004874	0.000750197	0.001689997	0.000231399
2113 Sep	0.142279789	9.79325E-06	2.816376209	3.724896669	0.060668852	0.000710675	12.4596138	0.001865275	0.01014179	0.000431819	0.000322014	0.000142065	0.179274321	2.19323E-06	0.000484299	0.000712922	0.001648434	0.000229787
2113 Oct	0.130394578	9.40068E-06	2.810194016	3.567142248	0.054386735	0.00075898	12.6323719	0.001813473	0.009820281	0.000369239	0.000314105	0.000138665	0.175296575	2.12944E-06	0.000510911	0.000634317	0.001541119	0.000245109
2113 Nov	0.127659619	9.34705E-06	2.825804949	3.54208684	0.052815113	0.000778579	12.76233101	0.00180939	0.009792075	0.000352502	0.00031356	0.000138484	0.175190002	2.12459E-06	0.000522005	0.000614464	0.001518792	0.000251163
2113 Dec	0.127702519	9.35189E-06	2.828477144	3.544477224	0.052834284	0.000779511	12.77576256	0.00181075	0.009797336	0.000352528	0.000313849	0.000138603	0.175334334	2.12591E-06	0.000522691	0.00061463	0.001519496	0.00025152
2114 Jan	0.127729729	9.35315E-06	2.829018593	3.545253515	0.052847799	0.000779663	12.7782526	0.001811075	0.009798945	0.000352573	0.000313895	0.000138624	0.175371006	2.12621E-06	0.000522786	0.000614762	0.001519663	0.000251566
2114 Feb	0.127762064	9.35402E-06	2.829473972	3.546066046	0.05286641	0.000779742	12.78023148	0.001811367	0.009800139	0.000352654	0.000313936	0.000138643	0.175406262	2.12641E-06	0.000522846	0.000614946	0.001519807	0.000251594
2114 Mar	0.127952546	9.36716E-06	2.833609104	3.551349163	0.052948449	0.000780859	12.79891491	0.001814002	0.009814057	0.000353176	0.000314391	0.000138844	0.175665811	2.12941E-06	0.000523604	0.00061588	0.001521947	0.00025196
2114 Apr	0.128408998	9.40036E-06	2.844721079	3.564772606	0.053145636	0.000783953	12.84994793	0.001820878	0.00984882	0.000354434	0.000315638	0.000139384	0.176344946	2.13713E-06	0.000525773	0.000618117	0.001527405	0.000253026
2114 May	0.135582492	9.39097E-06	2.915359497	3.73115325	0.058276009	0.000778764	13.13375092	0.001868108	0.009906731	0.000400465	0.00032572	0.00014455	0.1830066	2.13786E-06	0.000531305	0.000672436	0.00155152	0.000256037
2114 Jun	0.146145552	9.50626E-06	2.897600412	3.874335527	0.064464644	0.00073213	12.8842392	0.001893915	0.010094464	0.000462253	0.000328396	0.00014635	0.186064899	2.14423E-06	0.000502723	0.000749767	0.00161086	0.000239949
2114 Jul	0.151750833	9.98444E-06	2.984591007	3.992716789	0.066204511	0.000752144	13.24258232	0.001961056	0.010558541	0.000475158	0.000339168	0.000150683	0.191507235	2.24508E-06	0.000514875	0.000773526	0.001688884	0.000245089
2114 Aug	0.158100516	1.04817E-05	3.098689079	4.146896839	0.068524979	0.000782275	13.73362255	0.002041328	0.011052707	0.000491594	0.000350818	0.000156404	0.198774472	2.35252E-06	0.000532458	0.000800028	0.001763378	0.000252989
2114 Sep	0.151321128	1.03316E-05	2.928295135	3.932928085	0.063759051	0.000755948	12.92220974	0.001947344	0.010871464	0.000453986	0.000324303	0.000147112	0.187854588	2.30203E-06	0.000495131	0.000746477	0.001698971	0.000232771
2114 Oct	0.143807903	1.00812E-05	2.851632833	3.778716087	0.059313923	0.000762143	12.64213467	0.001884902	0.010660003	0.000414237	0.000310753	0.000141662	0.181560695	2.2493E-06	0.000490169	0.00069508	0.00162879	0.000230511
2114 Nov	0.136916831	9.84208E-06	2.884346008	3.712548733	0.056103297	0.000797638	12.93329334	0.001870294	0.010436898	0.000380227	0.000312255	0.00014157	0.181106523	2.21618E-06	0.000516583	0.000653062	0.001573197	0.000245714
2114 Dec	0.136657566	9.83574E-06	2.893257856	3.715556622	0.056023885	0.000801495	12.98505592	0.001872997	0.010430675	0.000378894	0.000313265	0.000141914	0.181479514	2.21672E-06	0.000519873	0.000651641	0.001571863	0.000247546
2115 Jan	0.136684984	9.83707E-06	2.894695282	3.716992855	0.056043535	0.000801933	12.99232292	0.001873694	0.010432322	0.000378933	0.000313423	0.000141976	0.181562439	2.21717E-06	0.000520237	0.0006518	0.001572087	0.00024774
2115 Feb	0.136737585	9.83907E-06	2.89556241	3.718365908	0.056071881	0.000802116	12.99616528	0.001874245	0.010434778	0.000379069	0.000313507	0.000142014	0.181624636	2.21764E-06	0.000520307	0.000652088	0.001572417	0.000247804
2115 Mar	0.136851341	9.84625E-06	2.897700548	3.721330643	0.056121413	0.000802672	13.00562191	0.001875653	0.010442589	0.000379379	0.000313731	0.000142117	0.181764632	2.21924E-06	0.000520725	0.000652648	0.001573562	0.000247971

Appendix D.2-16: CH6

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.137528598	9.8944E-06	2.911883116	3.739670992	0.056400776	0.00080658	13.06919479	0.001884849	0.010493768	0.000381253	0.000315262	0.000142811	0.182657644	2.23009E-06	0.000523257	0.000655887	0.001581255	0.000249175
2115 May	0.144998759	9.88614E-06	2.889982224	3.841850996	0.061070409	0.000770356	12.85439777	0.001894981	0.010553923	0.000428377	0.000314084	0.000143805	0.18464002	2.21549E-06	0.000500368	0.000709501	0.001602147	0.000236505
2115 Jun	0.155515075	1.01174E-05	2.942075253	4.030847073	0.067031138	0.000753275	12.97486877	0.001952289	0.010854151	0.000483852	0.000322578	0.000148432	0.191054314	2.25596E-06	0.000491997	0.000779873	0.001667849	0.000231013
2115 Jul	0.160182312	1.05417E-05	3.004173756	4.118346691	0.068152316	0.000767739	13.22376442	0.002003805	0.011256871	0.000492762	0.000328813	0.000151477	0.194938764	2.34348E-06	0.000499182	0.000793457	0.001726779	0.000233657
2115 Aug	0.151331887	1.03533E-05	2.837770462	3.866757154	0.062608518	0.000734913	12.45992374	0.001906599	0.010889907	0.000449435	0.000305221	0.000142716	0.183233425	2.28965E-06	0.000467673	0.000724146	0.001656704	0.000217749
2115 Sep	0.146768615	1.03246E-05	2.84736681	3.811668396	0.060281493	0.000754274	12.55851746	0.001898842	0.010767451	0.000425093	0.000303219	0.000142506	0.182214797	2.28968E-06	0.000478045	0.000691351	0.00163247	0.000223821
2115 Oct	0.144400835	1.02636E-05	2.887576342	3.809201717	0.059241302	0.00077725	12.81248569	0.00190631	0.010718917	0.000412225	0.000307214	0.000143692	0.183502287	2.28713E-06	0.000495854	0.000677212	0.001617385	0.000233756
2115 Nov	0.14053157	1.01368E-05	2.889560938	3.759751081	0.057235271	0.000793395	12.88911343	0.001891419	0.010614424	0.000392018	0.000305938	0.000142773	0.182380185	2.26724E-06	0.000505917	0.000653076	0.001586216	0.000239564
2115 Dec	0.140308097	1.01331E-05	2.897137165	3.762197256	0.057152085	0.000796875	12.93316269	0.001893741	0.010611936	0.000390722	0.000306768	0.000143052	0.182692274	2.26802E-06	0.000508726	0.000651773	0.001585193	0.000241117
2116 Jan	0.140340686	1.01345E-05	2.897982597	3.763277054	0.057169877	0.000797121	12.93720531	0.001894209	0.010613824	0.00039077	0.000306847	0.000143086	0.182746589	2.26839E-06	0.000508901	0.00065194	0.001585393	0.000241206
2116 Feb	0.140425891	1.01386E-05	2.899224997	3.765324831	0.057210673	0.000797389	12.94248772	0.001895066	0.01061852	0.000390995	0.000306964	0.000143143	0.182836667	2.26928E-06	0.000509063	0.000652376	0.001586032	0.000241278
2116 Mar	0.140551522	1.01466E-05	2.901526213	3.768556118	0.057265084	0.000797982	12.95260715	0.001896598	0.010627068	0.000391339	0.0003072	0.000143255	0.182988286	2.27104E-06	0.000509436	0.000652981	0.001587274	0.000241451
2116 Apr	0.141200185	1.01928E-05	2.914753675	3.785871744	0.057531178	0.000801597	13.01156902	0.001905259	0.010675581	0.000393141	0.000308596	0.000143906	0.183826119	2.28138E-06	0.000511741	0.000656007	0.0015945	0.000242542
2116 May	0.146942362	1.01996E-05	3.006547451	3.943030834	0.061829429	0.000808173	13.42494011	0.001958392	0.010734695	0.000429778	0.000321964	0.00014963	0.190905705	2.29064E-06	0.000526943	0.000701747	0.001621551	0.000250903
2116 Jun	0.148399323	9.53247E-06	2.890782118	3.906552315	0.065910198	0.000722055	12.81087208	0.001897893	0.010084045	0.000476671	0.000325338	0.000146912	0.186784461	2.14131E-06	0.000494403	0.000759824	0.001607274	0.000236175
2116 Jul	0.152553126	9.98291E-06	2.978178024	4.002276421	0.067100793	0.000742276	13.18040562	0.001962747	0.010496679	0.000483641	0.00033994	0.000151114	0.191661477	2.23864E-06	0.000510096	0.000782916	0.001696874	0.000243554
2116 Aug	0.156906322	1.03712E-05	3.054681063	4.106366158	0.068541691	0.000764371	13.5000248	0.002019041	0.01086583	0.000493227	0.000346733	0.000154955	0.196524754	2.32071E-06	0.000520632	0.000798911	0.00175099	0.000247995
2116 Sep	0.148498759	1.01386E-05	2.896595001	3.880108356	0.063023843	0.000748305	12.78972054	0.001921886	0.010634456	0.000447585	0.000321471	0.000145709	0.185727656	2.2587E-06	0.000491838	0.000736318	0.001671015	0.000232567
2116 Oct	0.13862735	9.85796E-06	2.812120914	3.687110662	0.056939613	0.000765699	12.50897503	0.001847461	0.010419947	0.000392017	0.000304603	0.000139024	0.17818135	2.20149E-06	0.000490189	0.000665921	0.001581308	0.000232001
2116 Nov	0.137647852	9.85289E-06	2.828847408	3.685429573	0.056372952	0.000776928	12.6143055	0.001851007	0.010423998	0.000385335	0.000305697	0.000139423	0.178680912	2.20427E-06	0.000497487	0.000658517	0.001575288	0.000235968
2116 Dec	0.137642279	9.8539E-06	2.830795765	3.686731815	0.056376982	0.000777635	12.62474442	0.00185182	0.010425047	0.000385256	0.000305924	0.000139508	0.178777158	2.20479E-06	0.000498082	0.000658487	0.001575447	0.000236292
2117 Jan	0.137650326	9.8541E-06	2.831856251	3.687642574	0.056387894	0.00077797	12.63031483	0.001852277	0.010425395	0.000385252	0.000306045	0.000139552	0.178835213	2.20498E-06	0.000498381	0.000658553	0.001575501	0.000236457
2117 Feb	0.137670964	9.85442E-06	2.832524538	3.688454866	0.056403622	0.000778132	12.63361359	0.00185261	0.010425929	0.000385302	0.000306119	0.000139581	0.178877905	2.20513E-06	0.000498534	0.000658689	0.001575582	0.000236539
2117 Mar	0.137816578	9.86414E-06	2.835375547	3.692297697	0.056465544	0.000778891	12.64626694	0.001854482	0.010436352	0.000385705	0.000306422	0.00013972	0.179061577	2.2073E-06	0.000499021	0.000659398	0.001577137	0.000236769
2117 Apr	0.138637394	9.92249E-06	2.852156639	3.714238644	0.056803003	0.000783487	12.72105694	0.001865468	0.010498162	0.000388	0.000308232	0.000140546	0.180123717	2.22035E-06	0.000501962	0.000663332	0.001586464	0.000238164
2117 May	0.144943818	1.00066E-05	2.851986885	3.808623314	0.060357787	0.000762746	12.63215256	0.00188449	0.010636871	0.000423114	0.000308741	0.000141952	0.182509914	2.2289E-06	0.000487721	0.000704979	0.001613894	0.000229877
2117 Jun	0.153525099	1.00136E-05	2.832773209	3.924281359	0.065868668	0.000717263	12.40847588	0.001901102	0.010696927	0.000478394	0.000312237	0.000143508	0.184894696	2.217E-06	0.00046374	0.000772939	0.001658061	0.000216787
2117 Jul	0.15833649	1.04447E-05	2.898701191	4.017024994	0.067138813	0.000732258	12.67151833	0.001955386	0.011109035	0.00048821	0.000319752	0.000146769	0.189032704	2.30618E-06	0.000471624	0.000789944	0.001723085	0.000219784
2117 Aug	0.159692571	1.06784E-05	2.907878876	4.030952454	0.066935852	0.000737167	12.68609524	0.001970592	0.01129812	0.000486262	0.000318453	0.000147159	0.189500302	2.35118E-06	0.000469618	0.00078641	0.001745508	0.000218011
2117 Sep	0.159035936	1.07464E-05	2.88389492	4.002167225	0.065969393	0.000737706	12.56222248	0.001960806	0.011365298	0.000477904	0.000313135	0.000145647	0.187919185	2.36078E-06	0.000462973	0.000776061	0.001742734	0.000213968
2117 Oct	0.153619513	1.05749E-05	2.804661274	3.872859716	0.062536731	0.000735171	12.23202705	0.001906189	0.011224736	0.000448441	0.000300268	0.000140569	0.182118565	2.32068E-06	0.000452167	0.000737843	0.001691676	0.000208267
2117 Nov	0.151906773	1.05206E-05	2.807229042	3.852060556	0.061666206	0.000742603	12.2744379	0.001900408	0.011175626	0.000439601	0.000299872	0.000140265	0.181706548	2.31249E-06	0.000457052	0.00072696	0.001677918	0.000211101
2117 Dec	0.151846662	1.05209E-05	2.80983758	3.853085756	0.061640233	0.000743805	12.28927708	0.001901301	0.011176288	0.000439182	0.00030014	0.000140361	0.181817502	2.31303E-06	0.000457972	0.000726546	0.001677727	0.000211605
2118 Jan	0.151871398	1.05218E-05	2.81041193	3.853866816	0.061653607	0.000743973	12.29199982	0.001901622	0.011177659	0.00043921	0.000300188	0.000140383	0.181855664	2.31328E-06	0.000458085	0.000726668	0.001677847	0.000211662
2118 Feb	0.1519171	1.05233E-05	2.811072111	3.855009317	0.061678831	0.000744097	12.29486275	0.001902052	0.011179565	0.000439327	0.000300249	0.000140411	0.181905642	2.31362E-06	0.000458173	0.000726922	0.001678089	0.000211703
2118 Mar	0.152006358	1.05286E-05	2.812568426	3.857225895	0.061718374	0.000744462	12.30134296	0.001903069	0.011185329	0.000439577	0.000300403	0.000140484	0.182007164	2.31477E-06	0.0004584	0.000727367	0.001678927	0.000211807
2118 Apr	0.153407693	1.0565E-05	2.824717045	3.886927843	0.062475134	0.000745486	12.34676266	0.001912572	0.011236602	0.000443099	0.000301229	0.000140954	0.183146536	2.32204E-06	0.000458719	0.000735117	0.001684572	0.000211781
2118 May	0.162344947	1.03665E-05	2.81272316	4.031710148	0.06910383	0.000700273	12.18049145	0.001923738	0.011140661	0.00050405	0.000302218	0.000142781	0.186748922	2.27043E-06	0.000436511	0.000806714	0.001688	0.000200101
2118 Jun	0.162402779	9.78019E-06	2.801585674	4.050479889	0.072516188	0.00066045	12.1436739	0.001903441	0.010542415	0.000540432	0.000312896	0.000144534	0.187424436	2.15521E-06	0.000436926	0.000845347	0.001661355	0.000203202
2118 Jul	0.169511914	1.03163E-05	2.912062168	4.207691669	0.075112201	0.000685086	12.60113621	0.001986337	0.011079723	0.000559826	0.000326655	0.000150155	0.194591716	2.26901E-06	0.000452403	0.000879634	0.001753046	0.000209922
2118 Aug	0.164500862	1.03381E-05	2.820794821	4.06427002	0.071473733	0.000673419	12.16938496	0.001937207	0.010973311	0.000530079	0.000311265	0.000145191	0.187945247	2.26341E-06	0.0004335	0.000834079	0.001722148	0.000199802
2118 Sep	0.148759305	9.90034E-06	2.788555622	3.829419136	0.063306451	0.000717822	12.2374382	0.001866014	0.010474819	0.000451371	0.000301293	0.000140535	0.181217164	2.19045E-06	0.000459152	0.00073173	0.001604396	0.000215489
2118 Oct	0.137848392	9.58175E-06	2.842683554	3.721449614	0.057888832	0.000776976	12.70703411	0.001845836	0.010182712	0.00039486	0.000304137	0.000140342	0.180425927	2.1498E-06	0.000501807	0.000663353	0.001524645	0.00023994
2118 Nov	0.134965569	9.50507E-06	2.94583416	3.757269859	0.057096869	0.000819782	13.30311871	0.001877622	0.010100114	0.000380926	0.000316514	0.000144439	0.184778824	2.15483E-06	0.000539767	0.000648653	0.001511437	0.000261296
2118 Dec	0.13486664	9.50493E-06	2.966095924	3.770569324	0.057182655	0.000826458	13.41239643	0.001885723	0.010097638	0.000380562	0.000319101	0.000145354	0.185784593	2.15818E-06	0.000546089	0.000648714	0.001512505	0.000264824
2119 Jan	0.134897098	9.50642E-06	2.966689348	3.771420717	0.057197381	0.000826624	13.41510582	0.001886086	0.010099494	0.000380615	0.000319153	0.000145379	0.185824737	2.15852E-06	0.000546192	0.000648861	0.00151271	0.000264873
2119 Feb	0.134950995	9.50876E-06	2.967464447	3.772725582	0.05722424	0.000826785	13.41840839	0.001886614	0.010102269	0.000380757	0.000319226	0.000145413	0.185881838	2.15903E-06	0.000546293	0.000649145	0.00151308	0.000264919
2119 Mar	0.135197997	9.52536E-06	2.972667456	3.779517412	0.057331152	0.000828205	13.44182205	0.001889942	0.010120071	0.000381448	0.00031978	0.000145667	0.186212495	2.16279E-06	0.000547228	0.000650346	0.001515721	0.00026537
2119 Apr	0.139855862	9.60023E-06	3.000091076	3.871871233	0.05997432	0.000826267	13.5278759	0.001914408	0.010250498	0.00039284	0.000320794	0.0001465	0.1894591	2.17583E-06	0.000544589	0.00067689	0.001527066	0.000263375
2119 May	0.161986023	9.4192E-06	2.996922255	4.237844944	0.074587926	0.000745268	13.25375462	0.001959829	0.010341966	0.000489465	0.000317445	0.00014745	0.199150786	2.11252E-06	0.00049537	0.000828954	0.001538117	0.000235943
2119 Jun	0.16048646	9.34783E-06	2.996844292	4.207801342	0.074429035	0.000733918	13.25949669	0.001958002	0.010201086	0.000496036	0.000326786	0.000148504	0.19839558	2.10132E-06	0.00050012	0.000836357	0.001565467	0.000239549
2119 Jul	0.166000962	9.82659E-06	3.084710836	4.325499058	0.076256938	0.00075288	13.61542416	0.002026635	0.010663901	0.000508212	0.000339765	0.000152816	0.203844249	2.20231E-06	0.000512667	0.000865035	0.001654465	0.00024497
2119 Aug	0.165643081	1.00659E-05	3.064418554	4.295321941	0.074948132	0.000755324	13.48517323	0.002026313	0.010817542	0.000497816	0.000333316	0.000151768	0.20224008	2.24489E-06	0.00050399	0.000848354	0.001668326	0.000239526
2119 Sep	0.156135291	9.87638E-06	2.991946936	4.110437393	0.069495432	0.000764489	13.22967434	0.001965381	0.010541224	0.000453072	0.000320716	0.000147141	0.195290685	2.20651E-06	0.000502218	0.000782784	0.00160495	0.000239378
2119 Oct	0.148390934	9.67109E-06	2.982848644	3.996262312	0.065224625	0.000790977	13.30739212	0.001932531	0.010349177	0.000415757	0.000317369	0.000145194	0.19218117	2.17413E-06	0.000518262	0.000732699	0.001550704	0.000248821
2119 Nov	0.145072073	9.58123E-06	3.010195255	3.970148563	0.06364926	0.000811541	13.50675297	0.001931396	0.010259353	0.000400369	0.000320114	0.000145836	0.1924631	2.16489E-06	0.000534543	0.000712685	0.001529972	0.000258154
2119 Dec	0.145075127	9.58416E-06	3.016228437	3.974465132	0.063678674	0.000813564	13.5386982	0.001933982	0.010261967	0.000400309	0.000320855	0.000146108	0.19276908	2.16642E-06	0.00053634	0.000712791	0.001530634	0.000259146

Appendix D.2-17: TIRI02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2039): Min	0.052	0.000046	0.000014	0.00000036	0.013	0.0000072	0.0045	3.61E-07	3.61E-07	1.8E-09	2.1E-06	1.0E-06	2.5E-06	2.6E-05	1.8E-09	2.1E-02	7.2E-09	2.5E-07	4.3E-07	6.9E-07
Operations (2020-2039): Mean	4299	9.5	14	0.48	2397	0.15	382	1.35E-02	1.94E-03	3.5E-05	1.2E-02	3.7E-02	3.0E-01	6.0E-02	1.5E-05	1.5E+02	9.0E-05	2.1E-03	9.1E-04	1.8E-03
Operations (2020-2039): Max	22522	54	78	2.85	13164	0.21	1302	8.39E-02	9.71E-03	1.9E-04	1.8E-02	1.7E-01	6.1E-01	1.4E-01	3.7E-05	6.5E+02	2.1E-04	3.9E-03	3.9E-03	3.1E-03
TIRI02 subsumed by TIRI04 beginning in 2040																				
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2039)																				
2020 Jan	0.052100293	4.62467E-05	1.39101E-05	3.61303E-07	0.013223673	7.22605E-06	0.004516282	3.61303E-07	3.61303E-07	1.80651E-09	2.13169E-06	1.01165E-06	2.49299E-06	2.61944E-05	1.80651E-09	0.020774897	7.22605E-09	2.52912E-07	4.33563E-07	6.86475E-07
2020 Feb	0.103114359	9.15293E-05	2.75303E-05	7.15072E-07	0.026171649	1.43014E-05	0.008938405	7.15072E-07	7.15072E-07	3.57536E-09	4.21893E-06	2.0022E-06	4.934E-06	5.18427E-05	3.57536E-09	0.041116662	1.43014E-08	5.00551E-07	8.58087E-07	1.35864E-06
2020 Mar	0.130343109	0.000115699	3.48E-05	9.03897E-07	0.03308263	1.80779E-05	0.011298711	9.03897E-07	9.03897E-07	4.51948E-09	5.33299E-06	2.53091E-06	6.23689E-06	6.55325E-05	4.51948E-09	0.051974077	1.80779E-08	6.32728E-07	1.08468E-06	1.7174E-06
2020 Apr	0.145458654	0.000129116	3.88357E-05	1.00872E-06	0.036919132	2.01744E-05	0.012608994	1.00872E-06	1.00872E-06	5.0436E-09	5.95145E-06	2.82441E-06	6.96016E-06	7.31322E-05	5.0436E-09	0.058001373	2.01744E-08	7.06104E-07	1.21046E-06	1.91657E-06
2020 May	9.811995506	0.012669144	0.015620478	0.000534326	4.993622303	0.001356316	1.657329679	1.1054E-05	1.1054E-05	6.06078E-08	0.00013523	9.05085E-05	0.002058081	0.00078868	1.14492E-07	0.740867019	6.8615E-07	2.05742E-05	9.50602E-06	2.45483E-05
2020 Jun	267.3052063	0.350751489	0.448797226	0.015449733	140.325058	0.037998639	46.52706909	0.000251284	0.000251284	1.41145E-06	0.003624987	0.002297456	0.059513401	0.013540322	2.97653E-06	14.15050983	1.87093E-05	0.000513593	0.000115064	0.000489065
2020 Jul	436.0127258	0.577144563	0.742794335	0.025517227	231.2291107	0.061072309	76.66004181	0.000301553	0.000301553	1.76497E-06	0.005155218	0.003657097	0.097636931	0.019350316	4.36159E-06	20.91552925	2.82119E-05	0.000812022	0.000145839	0.000707168
2020 Aug	522.545105	0.694400132	0.894562662	0.030694103	278.1582947	0.072778992	92.21855164	0.000302572	0.000302572	1.82286E-06	0.005732494	0.004343855	0.117102705	0.022217205	4.95248E-06	24.29114914	3.23371E-05	0.000961706	0.000161038	0.00080944
2020 Sep	687.3695679	0.921945274	1.181629896	0.040497292	367.2952881	0.095941477	121.7994308	0.000314787	0.000314787	1.98381E-06	0.007044862	0.005655529	0.154192805	0.027920544	6.12166E-06	31.01577568	4.0501E-05	0.001249155	0.00019088	0.001021213
2020 Oct	741.4953003	1.000542402	1.272620797	0.043636445	396.0831909	0.105331779	131.4020538	0.000352329	0.000352329	2.20316E-06	0.007806782	0.006109896	0.166368797	0.030332088	6.6604E-06	33.73672104	4.35614E-05	0.00134616	0.000203429	0.001129377
2020 Nov	753.5963745	1.018302083	1.29279387	0.044334155	402.4944458	0.107526653	133.5430756	0.0003625	0.0003625	2.26103E-06	0.007993686	0.006212737	0.169092014	0.030899096	6.78907E-06	34.3718071	4.42618E-05	0.001367988	0.000206366	0.001155536
2020 Dec	754.1856079	1.019135714	1.293804407	0.044368815	402.810791	0.107617676	133.6483002	0.000362701	0.000362701	2.26238E-06	0.008000039	0.006217537	0.169224471	0.030922085	6.79397E-06	34.39829254	4.42932E-05	0.001369028	0.000206487	0.001156482
2021 Jan	7302.014648	16.88075447	24.16877365	0.887149453	4241.411621	0.085757464	485.6459961	0.025465908	0.003173545	5.93674E-05	0.008593754	0.056436785	0.27663663	0.060913946	1.3404E-05	219.7160034	9.24104E-05	0.001083185	0.001314174	0.001254881
2021 Feb	14815.45703	35.08909607	50.93901443	1.854966164	8646.045898	0.059514746	888.5348511	0.054294407	0.006397973	0.000124931	0.009190336	0.114051126	0.398231268	0.095032655	2.09239E-05	432.199646	0.000147209	0.000740488	0.002584198	0.001355571
2021 Mar	18582.59961	44.21859741	64.36901093	2.340225458	10854.4707	0.046345204	1090.52771	0.068748847	0.008014631	0.000157804	0.009488503	0.142938033	0.459180772	0.112134859	2.46936E-05	538.7333374	0.00017468	0.000568504	0.003220936	0.001405896
2021 Apr	20950.77539	49.9577179	72.81153107	2.645276308	12242.77148	0.038072072	1217.513428	0.077835336	0.009030917	0.000178469	0.009676316	0.161097482	0.497504443	0.122886777	2.70636E-05	605.7047729	0.000191951	0.000460457	0.003621208	0.001437575
2021 May	22522.48828	53.76568604	78.41299438	2.847668648	13164.10059	0.032704256	1301.895142	0.083863258	0.009705781	0.000192181	0.009811654	0.173150629	0.523113132	0.130077288	2.86449E-05	650.1848145	0.000203465	0.000390545	0.003887363	0.001460457
2021 Jun	13777.68164	33.0830574	50.61419296	1.770648479	7997.94043	0.125305474	843.6176758	0.05012098	0.006098257	0.000117752	0.009603916	0.107990697	0.413655937	0.09447372	2.4764E-05	408.815033	0.000149999	0.001790172	0.002427328	0.001731358
2021 Jul	12015.5293	29.09665871	45.11813354	1.536646485	6953.163086	0.140311241	755.2408447	0.043385401	0.005382481	0.000102503	0.010363559	0.096736945	0.397564948	0.088158734	2.5508E-05	362.5334778	0.000141169	0.002303156	0.002141043	0.001882571
2021 Aug	12491.22852	30.64738274	47.50405121	1.572025418	7217.059082	0.144501895	794.5018921	0.045174088	0.005572659	0.000105854	0.011797837	0.103848413	0.425143927	0.093044318	2.87299E-05	381.6007996	0.000149469	0.002892162	0.002223645	0.002085183
2021 Sep	11563.64941	28.89088821	45.10841751	1.427932739	6653.436035	0.165156856	762.4437866	0.041366942	0.005137175	9.6676E-05	0.013614439	0.100510396	0.445717692	0.093003407	3.08826E-05	361.3065796	0.000150831	0.0036814	0.002080336	0.002409087
2021 Oct	11841.90625	29.76113129	46.36425018	1.453791738	6810.083008	0.167902648	782.6638184	0.042380337	0.005238687	9.86327E-05	0.014306634	0.10350427	0.461845964	0.095556043	3.18463E-05	370.7984314	0.000155074	0.003856184	0.00212984	0.002504889
2021 Nov	13176.43457	32.85793686	50.6820755	1.626989245	7599.167969	0.156159908	850.3700562	0.04753615	0.005802837	0.000110301	0.014026556	0.112844512	0.475384384	0.100606866	3.21718E-05	406.8912048	0.000162673	0.003578832	0.002351907	0.002436688
2021 Dec	14336.23633	35.55111694	54.43963242	1.777524233	8284.890625	0.145970091	909.2029419	0.052017953	0.006293275	0.000120444	0.013783397	0.120970972	0.487152487	0.104993828	3.24625E-05	438.2695923	0.00016928	0.00333933	0.002544916	0.002377744
2022 Jan	15332.25	37.74881363	57.56306458	1.900879502	8873.884766	0.137016892	959.5892334	0.056130525	0.006740292	0.000129172	0.013562557	0.128629327	0.497003555	0.108740233	3.26925E-05	465.1778259	0.000174903	0.003128972	0.002710838	0.002324895
2022 Feb	16139.19434	39.41286469	59.98913574	1.994823575	9351.182617	0.129567817	1000.277283	0.059729204	0.007128618	0.000136261	0.013372093	0.13552238	0.504737973	0.111755826	3.28602E-05	486.9405212	0.00017941	0.00295402	0.002845438	0.002279928
2022 Mar	16858.82031	40.89699554	62.15295792	2.078604937	9776.826172	0.122931726	1036.567139	0.062938154	0.007474904	0.000142583	0.013202651	0.141669437	0.511644185	0.114446171	3.30104E-05	506.3493958	0.000183432	0.00279816	0.002965473	0.002239902
2022 Apr	17535.28516	42.29502487	64.19243622	2.157416105	10176.84961	0.11682523	1070.768555	0.065948866	0.007800119	0.000148524	0.013051483	0.147446752	0.518301606	0.116999365	3.31656E-05	524.6185913	0.000187254	0.002654695	0.003078379	0.002203775
2022 May	18156.50586	43.5825882	66.07229614	2.229861498	10544.08691	0.111386128	1102.289917	0.068706289	0.008098388	0.000153975	0.012923061	0.15275082	0.524627328	0.119375132	3.33259E-05	541.427002	0.000190819	0.002526855	0.003182157	0.002172522
2022 Jun	15986.57129	38.33049774	58.86785889	1.966731429	9266.764648	0.135186464	987.4989014	0.060198527	0.007184428	0.000135458	0.012726958	0.135427281	0.498938382	0.110185392	3.17508E-05	479.7593384	0.000177507	0.002726069	0.002820581	0.002236359
2022 Jul	12160.69141	29.07163429	45.78800583	1.507670283	7022.529785	0.16638048	779.8286133	0.045039561	0.005544352	0.000102909	0.011969776	0.103938028	0.442546159	0.092659183	2.81625E-05	369.6632996	0.000151344	0.002875683	0.002183411	0.002268766
2022 Aug	12189.49805	29.19792175	46.00650024	1.500047803	7035.561523	0.166505575	784.718811	0.045317639	0.005570212	0.000102974	0.012372596	0.105531007	0.447658539	0.093488723	2.89572E-05	372.024292	0.000152623	0.003029079	0.002190965	0.002323624
2022 Sep	11960.86523	28.80206108	45.4659996	1.458804131	6894.609863	0.170326859	778.0108643	0.044512354	0.005473853	0.000100665	0.013001203	0.10545861	0.453566074	0.093759232	2.98189E-05	367.8468628	0.000153155	0.00328612	0.002157814	0.002418119
2022 Oct	11980.74316	28.89891434	45.6244545	1.453852654	6903.066406	0.171435326	781.5411377	0.044702891	0.00548808	0.000100664	0.013321695	0.106526144	0.458666474	0.094470493	3.02471E-05	369.3711548	0.000154297	0.003385918	0.002164034	0.002463416
2022 Nov	12533.79492	30.10009575	47.34555817	1.520009756	7229.808105	0.166260064	809.7428589	0.047058094	0.005742907	0.000105492	0.013226022	0.111046217	0.464215785	0.096600398	3.04192E-05	384.4614563	0.000157458	0.003281299	0.00225592	0.002434506
2022 Dec	13053.21973	31.22836494	48.96219254	1.582155228	7536.697754	0.161367461	836.2024536	0.049270846	0.005982261	0.000110028	0.013134113	0.115291238	0.469382256	0.098593511	3.05791E-05	398.630127	0.000160416	0.003182604	0.0023422	0.002407034
2023 Jan	13714.60059	32.7572403	50.97192383	1.665621996	7927.005859	0.15612714	870.5042114	0.051487304	0.00622552	0.000115842	0.013072833	0.119573295	0.477147281	0.101333879	3.08825E-05	416.8267822	0.000164535	0.003076636	0.002453728	0.002383139
2023 Feb	14466.48047	34.56369781	53.22078323	1.763721585	8370.380859	0.150909215	909.9558716	0.053561877	0.006456525	0.000122482	0.013044839	0.123609938	0.486861378	0.104600281	3.13018E-05	437.6296387	0.00016948	0.002970888	0.002581754	0.002364255
2023 Mar	15167.08984	36.24697113	55.31634903	1.855131269	8783.520508	0.146048486	946.7181396	0.055495068	0.006671789	0.000128668	0.013018821	0.127371565	0.495914787	0.107644081	3.16927E-05	457.0140686	0.000174088	0.002872379	0.002701048	0.002346672
2023 Apr	15847.93164	37.8827095	57.35503387	1.943933845	9184.96875	0.141381532	982.4772339	0.057376791	0.006881431	0.000134679	0.012996593	0.131037414	0.504780352	0.110611349	3.20778E-05	475.8599548	0.000178584	0.002777776	0.002817003	0.002330198
2023 May	16482.35742	39.40643692	59.25180817	2.026674509	9559.02832	0.13705194	1015.828613	0.059126604	0.007076853	0.000140281	0.01298051	0.134445488	0.513076961	0.113408051	3.24375E-05	493.4406433	0.000182791	0.00268966	0.002925471	0.002315596
2023 Jun	15057.9541	36.04031372	54.52024078	1.862516761	8721.955078	0.150825009	938.9815674	0.05317758	0.006442218	0.000128228	0.012668408	0.121997423	0.492151707	0.107638344	3.11389E-05	453.1528625	0.000173326	0.002777792	0.002698238	0.002340598
2023 Jul	14345.6875	34.50666809	52.26568604	1.772991896	8299.75	0.155855358	903.1747437	0.050113961	0.006112585	0.000122069	0.012912828	0.116575636	0.484710336	0.105093278	3.1212E-05	434.3968506	0.000169531	0.00295863	0.002583921	0.002385584
2023 Aug	14606.76758	35.24909973	53.21490479	1.803304434	8449.745117	0.155283317	919.7318726	0.050714638	0.006180906	0.000124278	0.01318978	0.118441932	0.491719693	0.106785469	3.19365E-05	442.8920898	0.000172189	0.003051234	0.002628286	0.002413648
2023 Sep	14767.21484	35.72558594	53.78907013	1.821895599	8541.513672	0.155522659	930.4592896	0.050966084	0.006209516	0.000125613	0.013414429	0.119481444	0.497186512	0.107955784	3.24504E-05	448.2588806	0.000174076	0.003126638	0.002656266	0.002441468
2023 Oct	15043.07227	36.42311859	54.6504097	1.856732368	8703.134766	0.154016003	945.8302002	0.05166303	0.006286618	0.00012801	0.01350041	0.121052578	0.502011418	0.10931883	3.27658E-05	456.2523499	0.000176207	0.003125691	0.002703205	0.002446938
2023 Nov	15464.5791	37.42589188	55.91728592	1.911349893	8951.831055	0.150965452	967.8460693	0.052898552	0.006423438	0.000131722	0.013476664	0.123433985	0.50732404	0.111109376	3.29787E-05	467.862793	0.000178926	0.003061797	0.002774512	0.002434599
2023 Dec	15868.61816	38.38719559	57.1317482	1.963710904	9190.230469	0.14802295	988.9360352	0.054082979	0.006554508	0.000135281	0.013452314	0.12571618	0.512394011	0.11282099	3.31816E-05	478.9889221	0.000181525	0.003000332	0.002842846	0.00242255
2024 Jan	16315.28809	39.25299835	58.21507645	2.011077881	9453.698242	0.144956946	1012.368103	0.05518109	0.006676569	0.000139265	0.013437611	0.127861366	0.518221498	0.114790142	3.3431E-05	491.3204041	0.000184508	0.002936212	0.002919545	0.002411585
2024 Feb	16782.53125	39.98213959	59.11603165	2.051195383	9729.220703	0.141922072	1036.986938	0.056140482	0.006783805	0.000143475	0.013433455	0.129767284	0.524522364	0.116919734	3.37148E-05	504.2488098	0.000187726	0.002872668	0.003000815	0.002402277
2024 Mar	17230.33594	40.68161392	59.98080063	2.089673519	9993.272461	0.139025643	1060.589111	0.057061013	0.006886722	0.00014751	0.013430122	0.131596893	0.530575633	0.118962623	3.39879E-05	516.6411743	0.000190814	0.002812017	0.003078706	0.002393487
2024 Apr	17667.40234	41.36500549	60.82616043	2.127259016	10250.98438	0.136211082	1083.632935	0.057960548	0.006987315	0.000151448	0.013427541	0.133385673	0.536498487	0.120958477	3.42557E-05	528.7384033	0.000193831	0.002753075	0.003154733	0.002385043
2024 May	18066.19727	41.97223663	61.56599426	2.160818577	10486.22754	0.133465722	1104.576782	0.058756072	0.007076783	0.000155051	0.01342235	0.134951502	0.5417068	0.122803733	3.44829E-05	539.7805176	0.000196556	0.002695099	0.003224836	0.002376472
2024 Jun	17073.63086	39.40126038	58.11393356	2.036378622	9903.286133	0.143401802	1050.760742	0.054851759	0.006655463	0.00014663	0.01312857	0.126622587	0.526946962	0.118711717	3.33919E-05	511.4827881	0.000189753	0.002736401	0.003065402	0.002387441
2024 Jul	17031.14453	39.07946777	57.64968109	2.019947052	9877.819336	0.145053148	1049.070801	0.05425055	0.006593384	0.000146356	0.013171282	0.125514999	0.527629077	0.118866831	3.35021E-05	510.459198	0.000189892	0.002758428	0.003063086	0.002404421
2024 Aug	17246.21094	39.39145279	58.04010391	2.032115459	10002.55371	0.144719318	1062.213013	0.054555323	0.006628267	0.000148254	0.01335209	0.126567483	0.533214867	0.120257765	3.40171E-05	517.0929565	0.000192085	0.002803683	0.003102188	0.002426549
2024 Sep	17261.98438	39.30919266	57.91426849	2.020299435	10009.17383	0.145661622	1065.411255	0.054251272	0.006593357	0.000148356	0.013598678	0.126583114	0.536779881	0.120831914	3.45237E-05	518.4581909	0.000193097	0.002901902	0.003106904	0.002460024
2024 Oct	17511.77734	39.69956207	58.40425873	2.039069414	10155.5459	0.144157782	1079.246582	0.054724824	0.006645772	0.000150587	0.013673481	0.127692565	0.54094398	0.122088403	3.48223E-05	525.6791382	0.000195031	0.002898854	0.003150202	0.002462932
2024 Nov	17828.49219	40.21233749	59.04046631	2.067273378	10342.40137	0.141938686	1095.845459	0.055415466	0.006722724	0.000153435	0.013665785	0.129047468	0.545047581	0.123498261	3.49983E-05	534.4158325	0.000197163	0.002852367	0.003204938	0.002454959
2024 Dec	18141.29883	40.72279358	59.67702103	2.09530282	10526.91016	0.139804155	1112.271118	0.05610339	0.006799313	0.000156245	0.013659481	0.130402997	0.549170196	0.124896161	3.51785E-05	543.0523682	0.000199283	0.002807986	0.003258996	0.002447618
2025 Jan	18506.84766	41.25267029	60.30610657	2.124468088	10742.49902	0.137416869	1131.531738	0.05668056	0.006861451	0.000159764	0.013667025	0.131555185	0.554109633	0.126836345	3.54319E-05	553.1634521	0.000202029	0.002758252	0.003326966	0.002441581
2025 Feb	18900.33203	41.76718903	60.88715744	2.152851582	10974.53711	0.134943843	1152.32373	0.057111412	0.006905366	0.000163749	0.013688057	0.132433116	0.559536874	0.129183829	3.57414E-05	564.0636597	0.00020521	0.002706638	0.00340417	0.002437291
2025 Mar	19279.19727	42.26267624	61.44678497	2.180184126	11197.95117	0.132563978	1172.343994	0.057526436	0.006947672	0.000167586	0.013708366	0.133278862	0.564764023	0.131444111	3.60395E-05	574.559082	0.000208274	0.002656966	0.003478502	0.002433172
2025 Apr	19656.74023	42.75701523	62.00558472	2.207448483	11420.58008	0.130201042	1192.299438	0.057941247	0.006989993	0.000171409	0.013729033	0.134124756	0.569983065	0.133697048	3.63372E-05	585.019165	0.000211328	0.002607644	0.003552564	0.002429157
2025 May	20033.63867	43.26156616	62.58480072	2.235177994	11642.71777	0.128006622	1212.320557	0.058378957	0.00703535	0.000175207	0.013757882	0.135027707	0.575386882	0.135956749	3.6648E-05	595.4876099	0.000214411	0.002561768	0.003626302	0.002426862
2025 Jun	19756.05469	42.39124298	61.39182281	2.193938494	11479.7627	0.132388115	1197.742432	0.056859381	0.006867542	0.000173187	0.013699382	0.13184613	0.572744429	0.135166734	3.64646E-05	587.3671265	0.00021313	0.00257866	0.003586341	0.002440737
2025 Jul	19115.1582	40.87195587	59.47652054	2.118152142	11103.06934	0.138467759	1163.620483	0.054531135	0.006609723	0.000167759	0.013583827	0.127032921	0.564351082	0.132384881	3.59838E-05	569.0291748	0.000208979	0.002628779	0.003479903	0.002453044
2025 Aug	18589.65625	39.89004135	58.69073868	2.056452036	10790.10254	0.141174778	1137.752319	0.053047381	0.006440288	0.000162956	0.013767664	0.124726631	0.558645606	0.130205855	3.60753E-05	555.3969116	0.000205769	0.00278955	0.00338771	0.002476207
2025 Sep	15404.64063	33.05951691	50.26764297	1.666344047	8872.144531	0.211471051	1036.744263	0.042947575	0.005379624	0.000131719	0.018144947	0.108460411	0.606917322	0.130876854	3.66538E-05	477.9428711	0.000204529	0.003923821	0.002870522	0.003053071
2025 Oct	4665.089844	9.37815094	14.09838486	0.4645724	2612.851807	0.1874547	431.2389221	0.011398802	0.001728778	3.61325E-05	0.014067662	0.035569884	0.36386624	0.070096791	1.73704E-05	164.1982422	0.000104689	0.002685999	0.000964358	0.002171617
2025 Nov	3289.441406	6.372206688	9.478362083	0.312992305	1815.226318	0.178251579	346.9078369	0.007463326	0.001276487	2.42077E-05	0.013226023	0.026036585	0.322512805	0.060919832	1.46079E-05	123.1382217	8.97262E-05	0.002437104	0.000717448	0.002007034
2025 Dec	3283.222168	6.360188007	9.460141182	0.312392384	1811.762329	0.178004012	346.2514343	0.007451089	0.00127615	2.41717E-05	0.013218586	0.025988854	0.321917146	0.060839083	1.45904E-05	122.9350433	8.95854E-05	0.00243284	0.000716344	0.002005271
2026 Jan	3279.735596	6.353378773	9.449835777	0.312052548	1809.809448	0.177849323	345.8823853	0.007444072	0.001275873	2.41509E-05	0.013212537	0.025962448	0.321576774	0.060815431	1.458E-05	122.8363266	8.95065E-05	0.002430621	0.000716163	0.002004575
2026 Feb	3277.965332	6.349861622	9.444518089	0.311876774	1808.807739	0.177760378	345.6941223	0.007440444	0.001275731	2.41402E-05	0.013208483	0.025949396	0.321399033	0.060823023	1.45747E-05	122.8001785	8.94674E-05	0.002429652	0.000716453	0.002004541
2026 Mar	3277.959229	6.349802017	9.444379807	0.311872154	1808.790771	0.177763879	345.692627	0.007440642	0.001276027	2.41414E-05	0.013210141	0.025949869	0.321396142	0.060844995	1.4576E-05	122.8164291	8.94723E-05	0.002429835	0.000716821	0.002006511

Appendix D.2-17: TIRI02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2026 Apr	3281.828125	6.357269287	9.455459595	0.312237978	1810.917969	0.177975908	346.1001587	0.007449546	0.001277704	2.41706E-05	0.013226694	0.025980799	0.321774155	0.060929429	1.4594E-05	122.9708023	8.95809E-05	0.00243281	0.000717878	0.002007805
2026 May	3212.949707	6.211294651	9.233426094	0.304933965	1771.253174	0.176177412	340.5812683	0.007280103	0.001267301	2.36713E-05	0.013164299	0.025495226	0.31772095	0.060910087	1.44525E-05	121.2702026	8.86827E-05	0.002411857	0.000717664	0.002004973
2026 Jun	1157.678711	1.765936613	2.478104591	0.083099946	586.2286987	0.14035733	199.4053345	0.001689716	0.000675719	6.77872E-06	0.011126831	0.011004165	0.233650625	0.045512222	1.00374E-05	58.6643219	6.5621E-05	0.001900278	0.0003914	0.001593778
2026 Jul	936.3916626	1.169771552	1.546503901	0.052800447	448.5646057	0.158766985	206.3944244	0.000708886	0.000533218	3.83539E-06	0.011415821	0.009828938	0.258053392	0.044936273	1.02578E-05	51.83384323	6.74277E-05	0.002066075	0.000300212	0.0016568
2026 Aug	1109.299927	1.319070458	1.70482707	0.05835985	526.921936	0.200110257	260.0990295	0.000350233	0.000338607	2.60384E-06	0.012022656	0.011794997	0.326989233	0.05328276	1.14426E-05	60.87981796	7.66398E-05	0.002572996	0.000324232	0.001932351
2026 Sep	1195.428589	1.431367874	1.831217647	0.062633775	567.8972168	0.214037657	281.2011108	0.000278371	0.000275494	2.33605E-06	0.013015041	0.012643015	0.353328764	0.056836605	1.19252E-05	65.37353516	8.35058E-05	0.002782592	0.000344738	0.002039168
2026 Oct	880.3011475	1.072603345	1.326305509	0.045590241	414.9755859	0.167454332	205.2835388	0.000466293	0.000465954	3.01975E-06	0.011947021	0.009458036	0.25925082	0.045994256	9.97495E-06	51.85028839	6.52644E-05	0.002073219	0.000286703	0.001757197
2026 Nov	870.6501465	1.061614871	1.310661435	0.045065191	410.2561646	0.16615954	202.9291077	0.000476101	0.000475765	3.06063E-06	0.011935757	0.009362952	0.256356537	0.04571284	9.93339E-06	51.47952652	6.47208E-05	0.002051712	0.000285298	0.00175155
2026 Dec	868.0717773	1.058652163	1.3065207	0.044925805	409.0013123	0.165794656	202.3037567	0.000478198	0.000477864	3.06895E-06	0.011928552	0.009337246	0.255585134	0.045629848	9.91991E-06	51.3735466	6.45696E-05	0.002045923	0.000284862	0.001749565
2027 Jan	866.5684814	1.056843996	1.304034948	0.0448411	408.2557678	0.165544987	201.9291534	0.000479256	0.000478922	3.07294E-06	0.011920405	0.009322708	0.255111456	0.0456177	9.91068E-06	51.33737564	6.44785E-05	0.00204275	0.000285379	0.001748838
2027 Feb	865.8464355	1.055914283	1.30276525	0.044797104	407.8834229	0.165399313	201.7392426	0.000479801	0.000479468	3.07498E-06	0.011914494	0.009316222	0.254862428	0.04564634	9.90586E-06	51.34487152	6.44343E-05	0.002041417	0.000286324	0.001749033
2027 Mar	866.050354	1.056136131	1.302971721	0.044804025	407.9618835	0.165434018	201.7749023	0.000480431	0.000480098	3.07823E-06	0.011919499	0.009319116	0.254902452	0.045693543	9.91007E-06	51.38445663	6.44547E-05	0.0020421	0.000287039	0.001750348
2027 Apr	870.5380859	1.061593413	1.309665918	0.045034107	410.0657349	0.166288823	202.8136444	0.000483218	0.000482882	3.09563E-06	0.011982526	0.009367809	0.256211847	0.04595124	9.96251E-06	51.66650391	6.47916E-05	0.002052798	0.000288898	0.001759937
2027 May	863.1256104	1.048545241	1.292865157	0.044453446	405.2298889	0.164857581	201.179657	0.000503782	0.000503462	3.19227E-06	0.01201127	0.009340115	0.254031897	0.046989065	9.99652E-06	52.33156967	6.48401E-05	0.002049487	0.000311167	0.00177954
2027 Jun	631.232666	0.703224421	0.902558804	0.031205513	281.4794312	0.12507467	157.0408783	0.000593986	0.000593964	3.49844E-06	0.01060266	0.00739932	0.200673625	0.036624152	8.83444E-06	40.58924866	5.79092E-05	0.001643154	0.000245231	0.001377918
2027 Jul	644.3983154	0.711243212	0.918086052	0.031786572	286.3383789	0.131484747	161.7243652	0.000636521	0.000636521	3.72693E-06	0.010674185	0.007650376	0.20650959	0.037577581	9.2221E-06	41.51776123	5.77268E-05	0.001676298	0.000242694	0.001448927
2027 Aug	991.9480591	1.117463589	1.438396692	0.049319636	446.8725891	0.194966555	253.0448151	0.000371438	0.000371438	2.71257E-06	0.012209546	0.011475184	0.319104224	0.052225761	1.1348E-05	59.67011261	7.64346E-05	0.002523287	0.000318412	0.001887364
2027 Sep	893.447876	1.027935386	1.285061836	0.044139344	401.4486694	0.180840224	226.9772797	0.000415633	0.000415633	2.84225E-06	0.012107465	0.010369124	0.286450982	0.049009193	1.0556E-05	55.68209839	6.99435E-05	0.002278727	0.000301576	0.00182395
2027 Oct	875.5568237	1.014276981	1.257366776	0.043200959	393.1967468	0.177762032	222.2902985	0.000417748	0.000417748	2.83639E-06	0.01222129	0.010163821	0.280309141	0.048398353	1.03842E-05	54.87614059	6.95014E-05	0.002232548	0.000299609	0.001818987
2027 Nov	829.7793579	0.964398444	1.187761307	0.040855996	372.0786743	0.17041491	210.2274933	0.000450636	0.000450636	2.95928E-06	0.01202602	0.009661342	0.26538071	0.046679836	1.00876E-05	52.72371674	6.65028E-05	0.002119702	0.000290329	0.001774023
2027 Dec	826.017334	0.960298002	1.182029366	0.040663045	370.3413391	0.169817895	209.2346497	0.000453539	0.000453539	2.97037E-06	0.012011048	0.00962016	0.2641536	0.046541147	1.00642E-05	52.54911041	6.6257E-05	0.002110445	0.000289584	0.001770467
2028 Jan	824.4011841	0.958457887	1.179484487	0.04057635	369.5799561	0.169524238	208.7946777	0.000454735	0.000454735	2.97481E-06	0.012001212	0.00960297	0.263597697	0.046523206	1.00531E-05	52.50374985	6.61491E-05	0.002106687	0.000290129	0.001769522
2028 Feb	823.6752319	0.957568407	1.178253651	0.040533636	369.2223816	0.169363886	208.5832977	0.000455388	0.000455388	2.97732E-06	0.011994993	0.009595796	0.263320684	0.046555918	1.0048E-05	52.51282501	6.61005E-05	0.002105211	0.000291189	0.001769785
2028 Mar	823.3613892	0.95717907	1.177700877	0.040514417	369.0643311	0.169293389	208.4889679	0.000455784	0.000455784	2.97896E-06	0.011992776	0.009592834	0.263196111	0.046578005	1.00461E-05	52.52271271	6.60806E-05	0.002104614	0.000291789	0.001770095
2028 Apr	824.7438965	0.95877254	1.179620504	0.04058034	369.6743469	0.169574305	208.8307495	0.000456867	0.000456867	2.98551E-06	0.012014221	0.009609327	0.263624519	0.046678394	1.00641E-05	52.62755203	6.61944E-05	0.002108262	0.000292675	0.001773615
2028 May	831.6694336	0.966789663	1.18947506	0.040919252	372.7668457	0.170996517	210.5847626	0.000460872	0.000460872	3.01141E-06	0.012115805	0.009690471	0.265836775	0.04708438	1.01494E-05	53.08021545	6.67542E-05	0.002126092	0.000295383	0.001788822
2028 Jun	674.0095215	0.71690923	0.920085132	0.031760547	286.5585938	0.14234297	182.2357635	0.000525013	0.000525013	3.23983E-06	0.011120257	0.008444392	0.231790081	0.040151205	9.44616E-06	45.14519119	6.35921E-05	0.001872847	0.000257496	0.001492536
2028 Jul	624.6671143	0.653143227	0.842938721	0.029211745	263.0952759	0.137319013	169.7653351	0.000616685	0.000616685	3.65512E-06	0.010787924	0.007993313	0.216341347	0.038918156	9.42659E-06	43.11089325	5.92216E-05	0.001748802	0.000249646	0.001494153
2028 Aug	807.7385254	0.855326951	1.101197004	0.037929136	342.9385986	0.174402356	221.6927643	0.000503078	0.000503078	3.26364E-06	0.011892561	0.010200053	0.2805897	0.047690671	1.08176E-05	53.79645157	7.03886E-05	0.002235469	0.000296339	0.001769258
2028 Sep	881.3084106	0.956261098	1.202957392	0.041323841	375.325531	0.189897254	242.6302795	0.000397541	0.000397541	2.80595E-06	0.012542018	0.011038939	0.30585748	0.051321607	1.10664E-05	58.42672348	7.4893E-05	0.002427199	0.000315797	0.00189219
2028 Oct	571.8236084	0.648612916	0.755298674	0.026248831	240.3095245	0.136417404	154.0739746	0.00061	0.00061	3.5626E-06	0.011151905	0.007327714	0.19593443	0.038759329	8.73749E-06	42.77391052	5.25977E-05	0.00159533	0.000247707	0.001568985
2028 Nov	495.4523315	0.570047498	0.645234704	0.022545189	206.9703369	0.123023942	132.2286835	0.000667419	0.000667419	3.7745E-06	0.010766069	0.006415917	0.1689042	0.035602704	8.19027E-06	38.83767319	4.70872E-05	0.001390701	0.000230485	0.001484421
2028 Dec	494.151001	0.568726301	0.643338323	0.022481631	206.3993988	0.122806728	131.8535461	0.000668718	0.000668718	3.7797E-06	0.010762011	0.006400535	0.168441668	0.03555353	8.18238E-06	38.77465057	4.69967E-05	0.001387234	0.000230228	0.001483265
2029 Jan	493.4187622	0.567917168	0.642214358	0.022443037	206.0680847	0.122649811	131.6309204	0.000669313	0.000669313	3.78189E-06	0.010756168	0.006392188	0.168156713	0.035558451	8.17666E-06	38.76206207	4.69427E-05	0.001385444	0.000230781	0.001483002
2029 Feb	493.0943604	0.567508578	0.641653597	0.022423116	205.910675	0.122554451	131.5202637	0.000669621	0.000669621	3.78302E-06	0.010751655	0.006388851	0.168006912	0.035592765	8.17371E-06	38.77946854	4.69176E-05	0.001384807	0.000231681	0.00148339
2029 Mar	492.9941711	0.567374051	0.641447663	0.022415746	205.8568573	0.122521527	131.4803925	0.000669892	0.000669892	3.78423E-06	0.010750866	0.006388025	0.16795139	0.035616983	8.17337E-06	38.79496765	4.69113E-05	0.001384675	0.000232208	0.001483831
2029 Apr	493.3460999	0.567768097	0.641862571	0.022430146	205.9970093	0.12260443	131.5667572	0.000670602	0.000670602	3.78805E-06	0.010759336	0.006392853	0.168059111	0.035660315	8.17996E-06	38.83597565	4.69466E-05	0.001385749	0.0002327	0.001485313
2029 May	498.5209045	0.571853757	0.6476987	0.02262398	207.8504791	0.123529099	133.1411438	0.000672356	0.000672356	3.80206E-06	0.010815759	0.006470587	0.169974431	0.036246505	8.24684E-06	39.3941803	4.74842E-05	0.001403858	0.000240275	0.001499769
2029 Jun	504.0178833	0.528963089	0.64153403	0.022341853	203.2843628	0.119766153	141.0488586	0.000641511	0.000641511	3.67825E-06	0.010507986	0.006784588	0.180173323	0.03654848	8.43011E-06	39.68733215	5.2214E-05	0.001495571	0.000285553	0.001415772
2029 Jul	632.4300537	0.626683235	0.809022188	0.028012404	252.8107452	0.151770458	186.4775696	0.000541457	0.000541457	3.33551E-06	0.010344152	0.008710639	0.235925645	0.041745286	9.67775E-06	46.2577858	5.87214E-05	0.001875821	0.000260906	0.001609635
2029 Aug	842.9802856	0.848626792	1.090173483	0.037452061	339.4634705	0.195073217	251.0417175	0.000364285	0.000364285	2.66974E-06	0.011825944	0.011399209	0.316193044	0.051994435	1.12338E-05	59.23352814	7.40506E-05	0.002492023	0.000315379	0.001894135
2029 Sep	832.8864136	0.857030451	1.072162032	0.036844432	335.0429077	0.193623438	247.3937836	0.000367995	0.000367995	2.67432E-06	0.012461677	0.011229504	0.311645538	0.05203338	1.10973E-05	59.37134933	7.49988E-05	0.002468266	0.000318226	0.001910886
2029 Oct	731.9599609	0.76537168	0.93418318	0.032200895	293.4960632	0.174058288	216.1469879	0.000436306	0.000436306	2.9081E-06	0.012071978	0.009910423	0.272738934	0.047504596	1.02431E-05	53.75089264	6.77979E-05	0.002174756	0.000294527	0.001794359
2029 Nov	690.7046509	0.726071119	0.877870858	0.030309467	276.5021057	0.166216388	203.3634338	0.000469687	0.000469687	3.03097E-06	0.011862558	0.009376458	0.256908923	0.045666482	9.92149E-06	51.45690536	6.46303E-05	0.002055063	0.000284593	0.001745754
2029 Dec	689.37677	0.724807024	0.876048744	0.030248411	275.9538269	0.165970132	202.9502716	0.000470948	0.000470948	3.03585E-06	0.011856838	0.009359364	0.256398529	0.045609668	9.91198E-06	51.38508606	6.4529E-05	0.00205122	0.00028429	0.001744327
2030 Jan	688.6373291	0.724063337	0.87499547	0.030212522	275.6422424	0.165810108	202.7109833	0.000471601	0.000471601	3.03828E-06	0.01185153	0.009350038	0.256095946	0.045600832	9.90597E-06	51.36112976	6.44706E-05	0.002049183	0.000284603	0.001743832
2030 Feb	688.3415527	0.723737299	0.874527514	0.030196153	275.5104065	0.165729523	202.6048431	0.000471972	0.000471972	3.03976E-06	0.011848617	0.00934656	0.255956203	0.04562135	9.90358E-06	51.36884689	6.4447E-05	0.002048476	0.000285208	0.001744061
2030 Mar	688.3123169	0.723698318	0.874440134	0.03019302	275.4913635	0.165717363	202.5858459	0.000472265	0.000472265	3.04114E-06	0.011849299	0.009346454	0.255929142	0.045641243	9.90417E-06	51.38287735	6.44466E-05	0.002048483	0.000285591	0.00174452
2030 Apr	688.8583374	0.724267721	0.875105202	0.030215919	275.705719	0.165845916	202.7406311	0.000472818	0.000472818	3.04442E-06	0.011859375	0.009354034	0.256122917	0.045689896	9.91261E-06	51.4328804	6.4499E-05	0.002050161	0.000286043	0.001746207
2030 May	693.4797974	0.729060054	0.880888164	0.030415451	277.5348816	0.166953087	204.1001587	0.000476334	0.000476334	3.06655E-06	0.011940408	0.009417565	0.257837474	0.046021271	9.98067E-06	51.79679871	6.49403E-05	0.002064139	0.000288411	0.001758469
2030 Jun	591.553772	0.561947823	0.715115488	0.024765043	223.5501251	0.143947154	183.8149872	0.000519163	0.000519163	3.21548E-06	0.011143073	0.008521872	0.233559981	0.040903993	9.47125E-06	45.86927032	6.36221E-05	0.001888828	0.000266268	0.001516706
2030 Jul	693.8323364	0.648756325	0.838345349	0.028922319	261.1201782	0.171563596	220.6055603	0.000438079	0.000438079	2.93579E-06	0.01136112	0.010103441	0.278433532	0.046622373	1.04608E-05	52.63250351	6.91262E-05	0.002207785	0.000288902	0.00172638
2030 Aug	795.4506226	0.749772608	0.965049744	0.033188771	300.5745239	0.1968541	254.1149902	0.000364092	0.000364092	2.67944E-06	0.011921022	0.011536955	0.319806784	0.052476887	1.13512E-05	59.69784927	7.51219E-05	0.002517679	0.000318847	0.001916889
2030 Sep	850.9779663	0.811270714	1.032667279	0.03546381	321.8046875	0.209152341	272.0260925	0.000327943	0.000327943	2.55918E-06	0.012745541	0.012285586	0.342208654	0.055660099	1.18416E-05	63.71370697	8.06837E-05	0.002696546	0.000337679	0.002013146
2030 Oct	706.2944336	0.694253683	0.84592998	0.029182801	265.9934692	0.178903118	223.7085571	0.000424142	0.000424142	2.87329E-06	0.012217848	0.010233938	0.282110721	0.048670307	1.04709E-05	55.14833069	6.97005E-05	0.002245535	0.000301034	0.001829028
2030 Nov	664.7515869	0.658135414	0.792772174	0.027395675	249.9862213	0.170204654	209.8959198	0.000453396	0.000453396	2.97203E-06	0.011974353	0.009650376	0.264968038	0.046608943	1.00898E-05	52.6149025	6.62875E-05	0.002115733	0.0002898	0.00177203
2030 Dec	663.3392944	0.656888247	0.79095155	0.02733478	249.4399872	0.169920906	209.4232025	0.000454787	0.000454787	2.97735E-06	0.0119674	0.009630772	0.264383882	0.046543136	1.00787E-05	52.53203964	6.61708E-05	0.002111329	0.000289447	0.001770347
2031 Jan	662.5712891	0.656171441	0.789921343	0.027299691	249.1370392	0.169741958	209.1547546	0.00045552	0.00045552	2.98008E-06	0.011961509	0.009620287	0.264044702	0.0465324	1.00719E-05	52.50458145	6.61053E-05	0.002109039	0.000289782	0.001769779
2031 Feb	662.2134399	0.65580672	0.789402187	0.027281519	248.9902496	0.169638544	209.0189056	0.000455898	0.000455898	2.98149E-06	0.011957332	0.00961558	0.26386705	0.046550479	1.00684E-05	52.50813675	6.60735E-05	0.002108066	0.000290414	0.001769873
2031 Mar	662.1045532	0.655693352	0.789222062	0.027275169	248.9426727	0.169604257	208.9720764	0.000456164	0.000456164	2.98264E-06	0.011956612	0.009614266	0.263804585	0.046566375	1.00678E-05	52.51690292	6.60648E-05	0.002107811	0.000290795	0.001770154
2031 Apr	663.4768677	0.657049179	0.790829122	0.027330639	249.4548492	0.169952154	209.3981018	0.000457303	0.000457303	2.98976E-06	0.011982105	0.009634347	0.26434049	0.046676327	1.00893E-05	52.63567734	6.62029E-05	0.002112231	0.000291643	0.001774149
2031 May	633.1972046	0.620077491	0.744696081	0.025729304	235.8613892	0.161587641	199.3360291	0.000490923	0.000490923	3.1224E-06	0.011695944	0.009279747	0.251375854	0.047629658	9.86404E-06	52.56349182	6.43294E-05	0.002040785	0.000333418	0.001765787
2031 Jun	457.3255005	0.409961879	0.499003232	0.017350171	160.2161865	0.11730729	144.6510162	0.000645067	0.000645067	3.70615E-06	0.010261637	0.007096053	0.183264077	0.043075796	8.56015E-06	44.71206284	5.42129E-05	0.001582703	0.000383221	0.001513144
2031 Jul	535.8443604	0.471650243	0.593422234	0.020616323	187.6046906	0.14020288	175.7705078	0.000603173	0.000603173	3.60533E-06	0.011055742	0.008341624	0.22281003	0.04419975	9.55617E-06	47.74243546	6.14549E-05	0.001842126	0.000334894	0.001606715
2031 Aug	724.3690796	0.640849113	0.818614125	0.028187284	255.7636261	0.190615922	246.0652008	0.000373993	0.000373993	2.70102E-06	0.011838547	0.011195231	0.310024649	0.051781368	1.10909E-05	58.7618866	7.37641E-05	0.002455984	0.000324336	0.001870922
2031 Sep	649.2514648	0.596152246	0.725397229	0.025071397	228.6551819	0.175765187	219.2684174	0.000425944	0.000425944	2.86747E-06	0.011826114	0.010040502	0.276901454	0.047755837	1.03154E-05	54.16652679	6.76104E-05	0.002205333	0.000294584	0.001782208
2031 Oct	541.2288208	0.51542902	0.594604909	0.020700173	189.6899872	0.152029052	180.5715637	0.0005235	0.0005235	3.22157E-06	0.011484885	0.008418985	0.228632182	0.042331208	9.31989E-06	47.31900787	5.90377E-05	0.001841068	0.000266599	0.001656324
2031 Nov	535.9277344	0.511130393	0.588199735	0.020486534	187.7765045	0.150886416	178.6681213	0.000529106	0.000529106	3.24304E-06	0.01145739	0.008340059	0.226278961	0.042066429	9.2751E-06	46.98521042	5.857E-05	0.001823323	0.000265181	0.001649607
2031 Dec	534.871521	0.510270178	0.586922765	0.020443963	187.3951416	0.15065968	178.2885895	0.000530254	0.000530254	3.24747E-06	0.011451896	0.008324349	0.22581014	0.042013951	9.26631E-06	46.91895294	5.84762E-05	0.001819791	0.0002649	0.001648276
2032 Jan	534.3095093	0.509779394	0.586208045	0.020419553	187.1876678	0.150515422	178.0747528	0.000530856	0.000530856	3.24973E-06	0.011447032	0.008316118	0.225539014	0.042009722	9.26101E-06	46.90029526	5.84242E-05	0.001818	0.000265249	0.001647901
2032 Feb	534.0519409	0.509527266	0.585846066	0.020406716	187.0881958	0.150429174	177.9653168	0.000531168	0.000531168	3.25089E-06	0.011443377	0.008312478	0.225394487	0.042030033	9.25821E-06	46.90742111	5.83989E-05	0.001817263	0.00026587	0.001648072
2032 Mar	533.9887085	0.509463489	0.585733712	0.020402681	187.0610352	0.150403962	177.9314728	0.000531412	0.000531412	3.25199E-06	0.01144303	0.008311693	0.225348428	0.042046994	9.25801E-06	46.91795731	5.83935E-05	0.001817123	0.000266243	0.001648399
2032 Apr	534.539856	0.509987473	0.586314499	0.020422842	187.251358	0.150555104	178.1080475	0.000532132	0.000532132	3.25617E-06	0.011455404	0.008320383	0.225570276	0.042102605	9.26806E-06	46.97533798	5.84546E-05	0.00181904	0.000266743	0.001650391
2032 May	540.4656982	0.513966918	0.591990352	0.020612074	189.0205994	0.151994914	180.3580933	0.00053188	0.00053188	3.26251E-06	0.011529895	0.008423483	0.228344798	0.04268134	9.3511E-06	47.57973099	5.91364E-05	0.001842486	0.00027266	0.001666212
2032 Jun	494.1083374	0.408352017	0.515131354	0.017957438	161.9476318	0.137012154	173.8386688	0.000538072	0.000538072	3.27583E-06	0.010886908	0.008104699	0.221130341	0.03956214	9.18633E-06	44.10520554	6.11892E-05	0.001797159	0.000262994	0.001470699
2032 Jul	611.0864258	0.496473461	0.641115904	0.022203868	200.4795227	0.174234062	220.8575134	0.000430079	0.000430079	2.8962E-06	0.010923638	0.010135794	0.278158963	0.046930507	1.04254E-05	52.73233795	6.64544E-05	0.00219293	0.000288232	0.001759883
2032 Aug	639.588562	0.528048277	0.669365704	0.023143684	210.1040955	0.182751894	230.7971191	0.000408724	0.000408724	2.82235E-06	0.011285928	0.010545049	0.291447103	0.048931312	1.06839E-05	55.59410095	6.81534E-05	0.002305366	0.000296921	0.00179521
2032 Sep	674.1489868	0.566007853	0.705669284	0.024353625	221.6316071	0.191078678	243.4482727	0.000374528	0.000374528	2.69398E-06	0.011975283	0.011062902	0.307184637	0.051148392	1.09858E-05	58.43976212	7.2568E-05	0.002432471	0.000310631	0.001862416
2032 Oct	668.7190552	0.569372833	0.698650777	0.024120288	219.790741	0.18968071	241.2349243	0.000377051	0.000377051	2.69852E-06	0.012251613	0.01096534	0.304126382	0.051019732	1.09088E-05	58.19986725	7.31141E-05	0.002411247	0.000311908	0.001874866
2032 Nov	652.9192505	0.559112668	0.680777073	0.023523718	214.5007629	0.185916618	235.1833954	0.000391198	0.000391198	2.74833E-06	0.012209743	0.010710662	0.296558946	0.050172895	1.07474E-05	57.13084412	7.18324E-05	0.002354296	0.000307714	0.001855339
2032 Dec	631.5846558	0.544260085	0.656874716	0.02272376	207.3704834	0.18076472	227.0632324	0.00040798	0.00040798	2.80427E-06	0.012098661	0.010367227	0.28642562	0.048974674	1.05209E-05	55.6416626	6.996E-05	0.002277548	0.000301446	0.001824446
2033 Jan	630.043396	0.543056428	0.655065715	0.022662269	206.8461151	0.180353805	226.4430084	0.000409673	0.000409673	2.81057E-06	0.012085779	0.010342877	0.285642624	0.048945304	1.05054E-05	55.57477188	6.98101E-05	0.002272215	0.00030213	0.001823092
2033 Feb	629.3896484	0.54249835	0.654221416	0.022632571	206.6156158	0.180135235	226.1499786	0.000410586	0.000410586	2.81409E-06	0.012077864	0.010332784	0.285259873	0.048985012	1.04983E-05	55.58321762	6.97436E-05	0.002270123	0.000303486	0.001823389

Appendix D.2-17: TIRI02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2033 Mar	629.4059448	0.542515337	0.654148698	0.022629786	206.6123047	0.180122778	226.124176	0.000411326	0.000411326	2.81767E-06	0.012080698	0.010333399	0.285220206	0.049035609	1.05006E-05	55.62068939	6.97487E-05	0.002270326	0.000304404	0.00182463
2033 Apr	631.2362671	0.544094741	0.655999839	0.022693673	207.2082214	0.180636808	226.7637024	0.000412938	0.000412938	2.82786E-06	0.012117267	0.010363648	0.286022812	0.049206331	1.05324E-05	55.80298233	6.99533E-05	0.002277011	0.000305808	0.001830616
2033 May	500.646759	0.421572775	0.495756745	0.017174132	160.2061615	0.141222343	174.809845	0.000554778	0.000554778	3.35592E-06	0.01078083	0.00838277	0.219977319	0.048922744	9.23179E-06	51.60355377	5.89157E-05	0.001858157	0.000417575	0.001712518
2033 Jun	482.1891785	0.373562574	0.453468263	0.015682627	146.2822723	0.13558197	174.0059357	0.000550278	0.000550278	3.33162E-06	0.010601495	0.008367135	0.218776733	0.049567256	9.18928E-06	51.76367188	6.06534E-05	0.001868528	0.000446564	0.001676104
2033 Jul	608.7313232	0.462977171	0.588096619	0.020320749	185.1157227	0.17720665	229.9329987	0.000434698	0.000434698	2.94836E-06	0.011722581	0.010596242	0.289217591	0.052009787	1.0771E-05	57.53435135	7.21173E-05	0.00232819	0.000367553	0.001853783
2033 Aug	710.6533203	0.541093886	0.69309485	0.023873964	216.6738739	0.207705349	272.3020325	0.000343336	0.000343336	2.63711E-06	0.01265705	0.012343144	0.342167079	0.056829184	1.19293E-05	64.38978577	8.13607E-05	0.002707209	0.000363181	0.002032789
2033 Sep	534.1560669	0.438878506	0.508439839	0.017719433	162.3401947	0.164820567	201.3255005	0.00047482	0.00047482	3.04977E-06	0.011721193	0.009293309	0.254465461	0.045357462	9.87095E-06	51.06917953	6.38169E-05	0.002036739	0.000283368	0.001730664
2033 Oct	497.5777283	0.41714558	0.470498055	0.016449898	151.0708008	0.155393422	186.6331787	0.000498918	0.000498918	3.11966E-06	0.011526844	0.008664341	0.236080319	0.04307235	9.43003E-06	48.28804016	6.04707E-05	0.001896533	0.000270378	0.001672063
2033 Nov	469.0154724	0.397706628	0.440694898	0.015461151	142.2370605	0.148348078	175.0151672	0.000531499	0.000531499	3.24255E-06	0.011337713	0.0081812	0.221716076	0.041424554	9.14888E-06	46.22243118	5.75681E-05	0.001788007	0.000261455	0.001628914
2033 Dec	468.6399536	0.397457391	0.440299004	0.01544809	142.1206818	0.14825815	174.8611145	0.000532016	0.000532016	3.2446E-06	0.011335901	0.008174868	0.221526057	0.041404076	9.14555E-06	46.19628525	5.75307E-05	0.001786581	0.000261347	0.001628423
2034 Jan	468.4338074	0.397307217	0.44007048	0.015440277	142.0558319	0.148197338	174.7708282	0.000532276	0.000532276	3.24558E-06	0.011333882	0.008171407	0.221411571	0.041402675	9.14335E-06	46.18871307	5.75088E-05	0.001785828	0.000261501	0.001628275
2034 Feb	468.3458557	0.397234231	0.439960331	0.015436311	142.0271454	0.148162246	174.7263031	0.000532414	0.000532414	3.24611E-06	0.011332438	0.008169954	0.221352607	0.041411869	9.14225E-06	46.19232941	5.74987E-05	0.001785535	0.00026177	0.001628366
2034 Mar	468.3344116	0.39722541	0.439934582	0.015435355	142.0225677	0.148154661	174.7156372	0.00053253	0.00053253	3.24665E-06	0.011332535	0.008169798	0.221337721	0.041420098	9.14236E-06	46.19789505	5.74976E-05	0.001785515	0.000261937	0.001628543
2034 Apr	468.8260803	0.39764291	0.440387875	0.015451227	142.1710358	0.14830792	174.8954163	0.000533163	0.000533163	3.25041E-06	0.011344644	0.008178399	0.221564665	0.041468851	9.15215E-06	46.25020981	5.75582E-05	0.001787403	0.00026231	0.001630376
2034 May	455.6321716	0.382402182	0.422977477	0.01483208	137.2236176	0.143055722	169.0465698	0.000553862	0.000553862	3.33317E-06	0.011149545	0.007983626	0.213941619	0.042429466	9.02563E-06	46.49814606	5.65554E-05	0.001749687	0.000295074	0.00163023
2034 Jun	452.3208008	0.337974131	0.398170233	0.013865587	128.9408569	0.136637971	171.3910828	0.000552342	0.000552342	3.33377E-06	0.010752677	0.008184997	0.21612601	0.046490952	9.10894E-06	49.35716248	5.94326E-05	0.001818432	0.000387944	0.001636284
2034 Jul	527.2828979	0.367275953	0.469632447	0.016382243	148.0688629	0.168030187	210.7435303	0.000477564	0.000477564	3.09833E-06	0.010869182	0.009747474	0.265623659	0.046404097	1.02712E-05	51.63555527	6.44216E-05	0.002107747	0.000296206	0.001744397
2034 Aug	602.6427612	0.422519058	0.539098799	0.018712604	169.4409027	0.190160021	242.4433594	0.000424763	0.000424763	2.94235E-06	0.011815232	0.01108716	0.305376142	0.051463243	1.12058E-05	58.05541229	7.24832E-05	0.00241314	0.000319556	0.001897765
2034 Sep	525.9742432	0.40137583	0.462266177	0.016135501	147.8444061	0.169814497	209.1662598	0.00046057	0.00046057	3.00545E-06	0.011918679	0.009626619	0.264099628	0.046549965	1.00985E-05	52.49328613	6.59653E-05	0.002109047	0.000289906	0.001769889
2034 Oct	450.302124	0.358104825	0.389424145	0.013713171	126.3903198	0.149585262	176.7648315	0.000530841	0.000530841	3.24521E-06	0.011402736	0.008257697	0.22389999	0.041741922	9.21162E-06	46.59630203	5.80669E-05	0.001804971	0.000263327	0.001639579
2034 Nov	443.3459473	0.353898495	0.382688314	0.013491102	124.4133301	0.14778924	173.7602692	0.000539891	0.000539891	3.28009E-06	0.011359104	0.0081333	0.220188543	0.04132602	9.1419E-06	46.07149506	5.73249E-05	0.001777001	0.000261098	0.001629021
2034 Dec	442.6555786	0.353489697	0.382014871	0.013468997	124.2169571	0.147614598	173.4601898	0.00054091	0.00054091	3.28416E-06	0.011355681	0.008120979	0.219818473	0.041286349	9.1355E-06	46.02076721	5.72523E-05	0.001774225	0.00026089	0.001628075
2035 Jan	442.2732239	0.353237927	0.381623	0.013455584	124.1071701	0.147494256	173.2821045	0.000541415	0.000541415	3.28606E-06	0.01135162	0.008114144	0.219592527	0.04128354	9.1311E-06	46.00577164	5.7209E-05	0.00177274	0.000261194	0.001627777
2035 Feb	442.1187744	0.353121787	0.381441325	0.013448978	124.0616455	0.147426918	173.1968231	0.000541689	0.000541689	3.28712E-06	0.011348892	0.008111398	0.219479442	0.041302331	9.12905E-06	46.01360703	5.71898E-05	0.001772189	0.00026173	0.001627978
2035 Mar	442.0770569	0.353092402	0.381379008	0.013446672	124.0487595	0.147404417	173.1670074	0.000541891	0.000541891	3.28801E-06	0.011348496	0.00811068	0.219438896	0.041316546	9.12881E-06	46.02230835	5.71848E-05	0.00177206	0.000262047	0.001628245
2035 Apr	442.8521423	0.353713721	0.382032663	0.013469656	124.2655716	0.147657946	173.4629211	0.000542985	0.000542985	3.29446E-06	0.011368778	0.008124927	0.219812319	0.0413993	9.14517E-06	46.11041641	5.72853E-05	0.001775188	0.000262701	0.001631339
2035 May	443.0637207	0.35056895	0.37957406	0.013369781	123.7163086	0.146884188	173.3065643	0.00055203	0.00055203	3.33872E-06	0.011363272	0.008150562	0.219436407	0.04246207	9.17966E-06	46.88246155	5.75829E-05	0.001783959	0.000283825	0.001648595
2035 Jun	409.3110657	0.271451294	0.328820556	0.011555218	105.9339905	0.130622789	164.9083405	0.000564488	0.000564488	3.37495E-06	0.010599378	0.007831585	0.20905067	0.042203385	8.95277E-06	45.4839325	5.87964E-05	0.001741495	0.000329233	0.001513739
2035 Jul	466.1913757	0.297399223	0.378779858	0.013308031	119.7036972	0.152556926	193.8006287	0.000529851	0.000529851	3.30262E-06	0.011185984	0.009000811	0.245628059	0.043339394	9.89861E-06	48.28522491	6.47266E-05	0.001977432	0.00028449	0.001610462
2035 Aug	591.0184937	0.385519296	0.485795021	0.016838556	152.9085693	0.193531349	250.0940247	0.000357432	0.000357432	2.63215E-06	0.011952655	0.011339905	0.315439403	0.0518477	1.11627E-05	59.28041077	7.46115E-05	0.002495315	0.000315653	0.00186647
2035 Sep	441.8092041	0.322470546	0.351400495	0.012411145	114.413208	0.153243527	182.0996704	0.000527431	0.000527431	3.24669E-06	0.01134323	0.008490655	0.230820835	0.042515878	9.40018E-06	47.59273911	5.87266E-05	0.001857459	0.000266379	0.001651586
2035 Oct	436.4692078	0.324456394	0.346298307	0.012242039	113.0442581	0.151595816	179.628006	0.000529468	0.000529468	3.2481E-06	0.011495329	0.00838266	0.22748585	0.042249504	9.31305E-06	47.19945908	5.88396E-05	0.001832764	0.000266251	0.001655834
2035 Nov	452.1374512	0.33266449	0.360418677	0.01270185	117.1137009	0.155730367	186.8341217	0.000503518	0.000503518	3.14327E-06	0.011570817	0.008677232	0.236359224	0.043182313	9.45975E-06	48.39878464	6.0582E-05	0.001899197	0.000271128	0.00167755
2035 Dec	450.6944275	0.331883729	0.359134436	0.012659681	116.7390671	0.155336127	186.1779633	0.000505448	0.000505448	3.15066E-06	0.011560861	0.008650025	0.235548437	0.043090701	9.4443E-06	48.28344345	6.04193E-05	0.001893081	0.000270635	0.001675198
2036 Jan	450.2982483	0.331651628	0.358762801	0.012646988	116.6359787	0.155205697	185.9839325	0.000505989	0.000505989	3.15268E-06	0.011556469	0.008642523	0.235302687	0.043085601	9.43948E-06	48.26555634	6.03719E-05	0.001891446	0.000270928	0.001674834
2036 Feb	450.1248474	0.331536382	0.358581007	0.012640376	116.5906372	0.155128956	185.885437	0.000506273	0.000506273	3.15375E-06	0.011553275	0.008639213	0.235172972	0.043102536	9.43697E-06	48.27098465	6.03491E-05	0.001890772	0.00027146	0.001674968
2036 Mar	450.032959	0.331475437	0.358484179	0.012636852	116.566597	0.155088097	185.8329163	0.000506429	0.000506429	3.15434E-06	0.011551597	0.008637459	0.235103801	0.043111898	9.43566E-06	48.27413559	6.0337E-05	0.001890415	0.000271749	0.001675048
2036 Apr	451.7467651	0.332276851	0.359580785	0.01267159	116.9315796	0.155550286	186.5754242	0.000506218	0.000506218	3.15576E-06	0.011573034	0.008672935	0.236001417	0.043363955	9.46202E-06	48.52009201	6.05542E-05	0.001898555	0.000274842	0.001681462
2036 May	456.8434143	0.334502667	0.362723321	0.012771479	117.9886322	0.156910107	188.7632141	0.000507284	0.000507284	3.16835E-06	0.011646306	0.008779526	0.238652036	0.044153664	9.54793E-06	49.28087616	6.12386E-05	0.00192312	0.000284743	0.001701627
2036 Jun	421.3144836	0.257739156	0.31581679	0.011146755	100.6649933	0.141868219	180.2460022	0.000523691	0.000523691	3.22524E-06	0.011042277	0.008389572	0.228859842	0.04118732	9.35106E-06	45.85255051	6.24726E-05	0.001859369	0.000277615	0.001521581
2036 Jul	496.4230042	0.288765699	0.371568918	0.013031588	117.2029266	0.172184065	218.5354309	0.000453765	0.000453765	3.00672E-06	0.0111298	0.010043652	0.275593042	0.04666191	1.04561E-05	52.4229393	6.71082E-05	0.002179627	0.0002883	0.001748036
2036 Aug	566.0426636	0.332665801	0.425438106	0.014828553	133.9580688	0.195147842	250.4949646	0.000402885	0.000402885	2.86088E-06	0.011999405	0.01141264	0.315395117	0.052235976	1.14061E-05	59.20023346	7.46521E-05	0.002485334	0.00031872	0.001923216
2036 Sep	571.5616455	0.356247216	0.427921414	0.014866982	135.662735	0.196202695	252.5016937	0.000344518	0.000344518	2.57478E-06	0.012442644	0.011434037	0.317901999	0.052565727	1.1178E-05	60.08483505	7.61398E-05	0.002514048	0.000320757	0.001919104
2036 Oct	386.1898499	0.275191903	0.276737809	0.009907298	92.03614044	0.142259002	164.234314	0.000573047	0.000573047	3.41299E-06	0.011236431	0.007743041	0.208456576	0.040062159	8.94275E-06	44.45473099	5.497E-05	0.001688873	0.00025438	0.001598423
2036 Nov	413.4192505	0.288344949	0.298917383	0.010631436	98.45744324	0.150057688	177.2186279	0.000534615	0.000534615	3.26557E-06	0.011439617	0.008281131	0.224494681	0.041877758	9.2471E-06	46.74066925	5.82118E-05	0.001809902	0.000264177	0.001645273
2036 Dec	416.5206604	0.28976962	0.301480949	0.010714224	99.18801117	0.150912955	178.7175903	0.000529066	0.000529066	3.24301E-06	0.011454748	0.00834226	0.226339877	0.04207005	9.27688E-06	46.98893356	5.85737E-05	0.001823712	0.000265179	0.001649676
2037 Jan	415.7436218	0.289368272	0.300810903	0.01069129	99.00628662	0.150641099	178.3141479	0.000530211	0.000530211	3.24732E-06	0.01144565	0.008326745	0.22582835	0.04206245	9.26692E-06	46.95404053	5.84757E-05	0.001820338	0.000265844	0.001648981
2037 Feb	415.4346619	0.289187402	0.300505906	0.010679994	98.9355011	0.150489226	178.120575	0.000530826	0.000530826	3.2497E-06	0.011439531	0.008320448	0.225572154	0.042102832	9.26225E-06	46.97013092	5.84319E-05	0.00181907	0.000267016	0.001649399
2037 Mar	415.5048523	0.289254904	0.300512195	0.010679968	98.95373535	0.150492862	178.1173248	0.000531467	0.000531467	3.25287E-06	0.011442767	0.008321794	0.225562006	0.042149071	9.26502E-06	47.00590897	5.84416E-05	0.001819424	0.00026781	0.001650575
2037 Apr	416.1028442	0.289681852	0.300919354	0.010694296	99.09703064	0.150697038	178.3546753	0.000532546	0.000532546	3.25904E-06	0.01145998	0.008333737	0.225859135	0.042232022	9.27904E-06	47.08942795	5.85256E-05	0.001822069	0.000268622	0.001653461
2037 May	350.9969482	0.235098571	0.239116073	0.00848385	81.94461823	0.121684007	143.8670807	0.000629445	0.000629445	3.62255E-06	0.010320177	0.007091397	0.181442529	0.044730738	8.42115E-06	46.21713638	5.16492E-05	0.001569907	0.000399898	0.001600396
2037 Jun	394.9240723	0.226815999	0.260856211	0.009135185	86.78868103	0.133010462	169.5550232	0.000558589	0.000558589	3.35808E-06	0.010551458	0.008166227	0.213345185	0.048420113	9.06333E-06	50.58201218	5.95533E-05	0.001822508	0.000433596	0.001650533
2037 Jul	511.6286926	0.278485	0.348275661	0.012139641	110.8916321	0.178220451	232.2490997	0.000422654	0.000422654	2.89624E-06	0.011837448	0.010678252	0.292177409	0.052073799	1.08007E-05	57.78878403	7.3111E-05	0.002350722	0.000365585	0.001852015
2037 Aug	595.6808472	0.324214786	0.409462512	0.014180894	128.9841614	0.208855674	275.083252	0.000308351	0.000308351	2.47191E-06	0.012650877	0.012422513	0.345816553	0.056723744	1.18622E-05	64.66151428	8.19147E-05	0.002734798	0.000358245	0.002012537
2037 Sep	566.236084	0.321791053	0.38681221	0.013448095	122.8435593	0.201265439	260.6805115	0.000333008	0.000333008	2.54519E-06	0.012622705	0.011789817	0.328123808	0.054148283	1.14306E-05	61.90512466	7.83271E-05	0.002596394	0.000333798	0.001957086
2037 Oct	443.3792419	0.277636588	0.295677394	0.010466619	96.68009949	0.163789228	199.9985352	0.00047075	0.00047075	3.02479E-06	0.01176622	0.009229518	0.252686739	0.045107033	9.79922E-06	50.78209686	6.37897E-05	0.002023016	0.00028198	0.001726974
2037 Nov	433.254364	0.273696423	0.288145483	0.010221555	94.52349091	0.160738066	194.964386	0.000484347	0.000484347	3.07542E-06	0.011693884	0.009019427	0.246451527	0.044387762	9.67464E-06	49.88439941	6.25619E-05	0.001975854	0.000278007	0.001708694
2037 Dec	432.6837158	0.273480684	0.287713945	0.010207722	94.40232086	0.16057308	194.6755981	0.000485398	0.000485398	3.07968E-06	0.011691278	0.009007629	0.246095672	0.04435074	9.66881E-06	49.83665466	6.24932E-05	0.001973192	0.000277815	0.001707859
2038 Jan	432.2957764	0.273308545	0.287410319	0.010197373	94.32124329	0.160432935	194.4654694	0.000485999	0.000485999	3.08194E-06	0.011686725	0.008999498	0.245829806	0.044344716	9.66366E-06	49.81697083	6.24422E-05	0.001971419	0.00027812	0.001707469
2038 Feb	432.1306763	0.273225993	0.287266493	0.010192053	94.28827667	0.160351768	194.3601379	0.00048631	0.00048631	3.08312E-06	0.01168345	0.00899594	0.245691359	0.044362023	9.66102E-06	49.82220459	6.24179E-05	0.001970691	0.00027867	0.001707606
2038 Mar	432.0798645	0.273205817	0.28721416	0.010190078	94.27883911	0.160322055	194.320343	0.000486524	0.000486524	3.08405E-06	0.011682724	0.008994817	0.245638162	0.044375479	9.66046E-06	49.82957077	6.24103E-05	0.001970473	0.000278996	0.001707836
2038 Apr	432.5754395	0.273525953	0.287533045	0.010201324	94.38792419	0.160499781	194.5335846	0.000487236	0.000487236	3.08831E-06	0.011696492	0.009005097	0.2459061	0.044437002	9.67187E-06	49.89425278	6.24817E-05	0.001972741	0.00027952	0.00171004
2038 May	413.459137	0.257369161	0.269532114	0.009550614	89.55032349	0.15123257	183.7143555	0.000523308	0.000523308	3.2305E-06	0.01136187	0.008630088	0.231906652	0.045692965	9.42865E-06	49.97610092	6.05019E-05	0.001898022	0.000329458	0.0017031
2038 Jun	375.2246704	0.205748633	0.226385057	0.007949661	76.8552475	0.130254298	164.5186615	0.000567995	0.000567995	3.38688E-06	0.010411492	0.007983495	0.206728965	0.048896667	8.9081E-06	50.62391281	5.78654E-05	0.00178139	0.000450371	0.001660479
2038 Jul	378.9863892	0.205810279	0.228886932	0.008051282	77.33432007	0.132136211	166.9818115	0.000571743	0.000571743	3.41447E-06	0.010542271	0.0080765	0.210040867	0.048622239	9.02499E-06	50.58995819	5.86963E-05	0.001800727	0.00043951	0.001661611
2038 Aug	403.0412292	0.216049358	0.244680852	0.008587531	81.80477905	0.141565144	180.0578461	0.000543865	0.000543865	3.32023E-06	0.010825044	0.008608102	0.226482525	0.049777094	9.38657E-06	52.44599152	6.15378E-05	0.001915539	0.000432173	0.001709066
2038 Sep	421.2743835	0.225401431	0.25659743	0.008994101	85.13684082	0.149118021	190.3265533	0.000514708	0.000514708	3.20998E-06	0.01106582	0.00901112	0.239400104	0.050327472	9.63515E-06	53.64999008	6.37276E-05	0.002002125	0.000419703	0.001740625
2038 Oct	422.4431458	0.227986634	0.257152647	0.009025664	85.24471283	0.150697127	191.5452881	0.000508861	0.000508861	3.18508E-06	0.011138193	0.009042986	0.241029471	0.049843181	9.65393E-06	53.4078331	6.38063E-05	0.002006564	0.000406305	0.00173993
2038 Nov	422.3996887	0.228157818	0.257093608	0.00902506	85.23047638	0.150776461	191.5518951	0.000509191	0.000509191	3.18675E-06	0.011145903	0.00904249	0.241048217	0.049809787	9.65584E-06	53.38677597	6.38002E-05	0.002006252	0.000405445	0.001740101
2038 Dec	422.2663574	0.228121072	0.257001609	0.009022173	85.20468903	0.150739983	191.4839325	0.000509421	0.000509421	3.18766E-06	0.011145356	0.009039642	0.24096486	0.049798708	9.65438E-06	53.37385178	6.37831E-05	0.002005601	0.000405351	0.001739876
2039 Jan	422.2100525	0.228103295	0.256961197	0.009020819	85.19412994	0.150720686	191.4528809	0.000509511	0.000509511	3.188E-06	0.011144792	0.009038419	0.240925744	0.049797025	9.65363E-06	53.3704071	6.37753E-05	0.002005329	0.000405377	0.001739817
2039 Feb	422.1858521	0.228094786	0.256941944	0.009020112	85.18993378	0.150709167	191.4370728	0.000509557	0.000509557	3.18818E-06	0.011144343	0.009037875	0.240905032	0.049799234	9.65323E-06	53.37092972	6.37714E-05	0.002005216	0.000405451	0.001739837
2039 Mar	422.2320862	0.228122264	0.256967634	0.009020996	85.19963074	0.150724113	191.4553986	0.000509654	0.000509654	3.18872E-06	0.011145668	0.009038851	0.240927666	0.049807455	9.65437E-06	53.37873459	6.37783E-05	0.002005436	0.000405548	0.001740092
2039 Apr	422.4501648	0.228241503	0.257098973	0.009025596	85.24385071	0.150801063	191.5527954	0.000509941	0.000509941	3.19048E-06	0.011151484	0.009043511	0.241049975	0.049834751	9.6594E-06	53.4074173	6.38112E-05	0.002006472	0.000405787	0.001741028
2039 May	424.0738831	0.228949696	0.257982939	0.009055699	85.52658081	0.151383027	192.3537598	0.000510511	0.000510511	3.19604E-06	0.011186529	0.009079842	0.242049798	0.050014947	9.69225E-06	53.60645294	6.40538E-05	0.002014566	0.000407189	0.001746947
2039 Jun	381.8882751	0.196574435	0.226550728	0.008047904	74.77547455	0.138290793	174.6080933	0.000545848	0.000545848	3.31407E-06	0.010799917	0.008264408	0.220823988	0.044592179	9.21821E-06	48.08004761	6.04831E-05	0.001834722	0.000349145	0.001590163
2039 Jul	383.9599609	0.188865364	0.223733872	0.007964528	73.14274597	0.141102895	178.7769623	0.00052574	0.00052574	3.22892E-06	0.010744919	0.008398994	0.226215944	0.043575596	9.28843E-06	47.5132637	6.1005E-05	0.001858307	0.0003234	0.001572709
2039 Aug	384.2827454	0.1864039	0.222476646	0.007931795	72.65240479	0.142849386	179.9599304	0.000523256	0.000523256	3.22071E-06	0.010632675	0.008446406	0.227652207	0.043373533	9.32268E-06	47.39193344	6.03878E-05	0.001860663	0.000315101	0.00157915
2039 Sep	388.9584656	0.188758373	0.224829331	0.00801059	73.38191223	0.144777939	182.5290527	0.000518623	0.000518623	3.20629E-06	0.010711473	0.008553891	0.230859116	0.043737937	9.39654E-06	47.87586212	6.09849E-05	0.001884309	0.0003158	0.001592639
2039 Oct	390.5281372	0.189981997	0.225412175	0.008030199	73.58192444	0.14556253	183.4718323	0.000515659	0.000515659	3.19466E-06	0.01074609	0.008591399	0.232028067	0.043836765	9.41711E-06	48.03357315	6.11783E-05	0.001892403	0.000315215	0.001597765
2039 Nov	390.5488892	0.190024406	0.225414246	0.008030551	73.58657074	0.145580128	183.4759827	0.000515986	0.000515986	3.1963E-06	0.010749072	0.008591863	0.232034981	0.043842707	9.41884E-06	48.03928757	6.11838E-05	0.001892489	0.000315254	0.001598114
2039 Dec	390.5421753	0.19002904	0.225408182	0.008030409	73.58561707	0.145579949	183.4711456	0.000516061	0.000516061	3.19666E-06	0.010749524	0.008591714	0.232029334	0.043842983	9.41901E-06	48.03932953	6.11833E-05	0.001892453	0.000315257	0.001598156

Appendix D.2-17: TIRI02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2039): Min	1.4E-04	3.6E-09	1.2E-03	2.9E-03	7.4E-05	1.1E-07	4.5E-03	9.4E-07	5.1E-06	3.5E-07	8.3E-08	4.7E-08	1.1E-04	7.2E-10	3.6E-08	7.6E-07	5.6E-07	4.2E-05
Operations (2020-2039): Mean	5.4E-02	2.4E-05	4.8E+01	3.1E+01	1.9E-01	1.7E-02	1.1E+03	1.0E-02	3.1E-01	1.3E-04	3.2E-03	2.0E-03	3.7E+00	2.0E-05	4.1E-03	1.4E-03	8.0E-03	2.3E-02
Operations (2020-2039): Max	1.1E-01	3.6E-05	1.9E+02	7.1E+01	4.8E-01	8.7E-02	6.0E+03	2.5E-02	2.1E+00	4.2E-04	1.0E-02	8.0E-03	1.7E+01	8.6E-05	6.9E-03	5.2E-03	3.9E-02	1.1E-01
TIRI02 subsumed by TIRI04 beginning in 2040																		
Note: Calculation excludes zero values; Values higher than ap																		
Model Predictions (2020-2039)																		
2020 Jan	0.000137295	3.61303E-09	0.00120675	0.002919324	7.4067E-05	1.06584E-07	0.004534347	9.39387E-07	5.05824E-06	3.45405E-07	8.30996E-08	4.69693E-08	0.000112365	7.22605E-10	3.61303E-08	7.58735E-07	5.60019E-07	0
2020 Feb	0.000271727	7.15072E-09	0.002388342	0.005777785	0.00014659	2.10946E-07	0.008974158	1.85919E-06	1.0011E-05	6.83609E-07	1.64467E-07	9.29594E-08	0.000222388	1.43014E-09	7.15072E-08	1.50165E-06	1.10836E-06	0
2020 Mar	0.000343481	9.03897E-09	0.003019016	0.007303487	0.000185299	2.6665E-07	0.011343907	2.35013E-06	1.26546E-05	8.64125E-07	2.07896E-07	1.17507E-07	0.000281112	1.80779E-09	9.03897E-08	1.89818E-06	1.40104E-06	0
2020 Apr	0.000383313	1.00872E-08	0.003369123	0.008150454	0.000206788	2.97572E-07	0.01265943	2.62267E-06	1.41221E-05	9.64336E-07	2.32005E-07	1.31134E-07	0.000313712	2.01744E-09	1.00872E-07	2.11831E-06	1.56352E-06	0
2020 May	0.002779624	2.98918E-07	0.177579895	0.240860313	0.00225633	3.73805E-05	1.72445786	7.12066E-05	0.000139113	1.097E-05	1.86439E-05	8.65059E-06	0.009939162	4.22095E-08	3.92737E-05	1.81981E-05	2.8496E-05	4.18617E-05
2020 Jun	0.033346053	7.98428E-06	4.75137949	5.946372032	0.037888546	0.00105143	48.50564575	0.001774328	0.002712224	9.75266E-05	0.000525464	0.00022643	0.248534486	1.08641E-06	0.001130214	0.000269587	0.000758157	0.001215876
2020 Jul	0.036892172	1.20932E-05	7.707874298	9.522938728	0.055237263	0.001728711	79.89424896	0.002778422	0.00330928	9.83776E-05	0.000842258	0.000365454	0.398858279	1.57176E-06	0.001867841	0.000333577	0.001015936	0.002017254
2020 Aug	0.037064623	1.39667E-05	9.219944	11.35671616	0.064065762	0.002080128	96.08197784	0.003274651	0.003396763	9.81783E-05	0.00099771	0.000436595	0.475944489	1.77263E-06	0.00224791	0.000351445	0.001083588	0.002431322
2020 Sep	0.038116269	1.76136E-05	12.09846783	14.85871315	0.080478474	0.002769416	126.7901535	0.004223342	0.003789875	9.17E-05	0.001287643	0.00057117	0.623122931	2.17318E-06	0.002969392	0.000383755	0.001206929	0.0032146
2020 Oct	0.041449916	1.91056E-05	13.04940033	16.03260612	0.085489273	0.003018952	136.6855621	0.00455443	0.004377062	8.49286E-05	0.001375751	0.000614593	0.672356009	2.36741E-06	0.00320186	0.00039258	0.001263728	0.00346273
2020 Nov	0.042344283	1.94548E-05	13.26233101	16.2962532	0.086588852	0.003075951	138.8881836	0.004629496	0.00453158	8.31572E-05	0.001395069	0.000624267	0.683410466	2.41417E-06	0.003253598	0.000394394	0.001277258	0.003517732
2020 Dec	0.042363118	1.94692E-05	13.272645	16.3088932	0.086645849	0.003078526	138.9970703	0.004632979	0.004535246	8.31139E-05	0.001396073	0.000624744	0.683940887	2.41589E-06	0.003256156	0.000394509	0.001277779	0.003520489
2021 Jan	0.041398715	1.64585E-05	65.91586304	27.40973663	0.098073043	0.028356126	1905.140625	0.00940112	0.602410197	8.84342E-05	0.00397689	0.002854724	5.485249996	7.65831E-06	0.002578146	0.001842125	0.012522315	0.036357731
2021 Feb	0.039821453	1.27946E-05	126.2403564	39.98836899	0.110283069	0.05735657	3932.202148	0.01482885	1.353142142	9.36446E-05	0.006926477	0.005409434	10.99264812	1.36539E-05	0.001765291	0.003500573	0.025423711	0.074036337
2021 Mar	0.039017871	1.09554E-05	156.4853973	46.29338455	0.116391674	0.071896963	4948.54834	0.017549757	1.730512738	9.62274E-05	0.00840524	0.006690287	13.7539587	1.66597E-05	0.001357391	0.004332026	0.031892259	0.092927881
2021 Apr	0.038511302	9.80011E-06	175.4989777	50.25770569	0.120234407	0.081037633	5587.460449	0.019260423	1.967735529	9.78462E-05	0.009334906	0.007495502	15.48983383	1.85494E-05	0.001101148	0.004854702	0.035958625	0.104803853
2021 May	0.038355514	9.05873E-06	188.1266174	52.90797043	0.122953236	0.087104134	6011.415039	0.020401148	2.125099182	9.96823E-05	0.009953226	0.008030375	16.64211464	1.98062E-05	0.000934788	0.005202656	0.03865806	0.112685181
2021 Jun	0.04279257	9.85609E-06	119.5872955	42.42432785	0.303518891	0.052062403	3693.074951	0.017285915	1.279788733	0.000151528	0.00613093	0.004883047	10.89614773	7.51632E-05	0.001772304	0.003338271	0.024159553	0.067263708
2021 Jul	0.044361062	1.08039E-05	106.3249512	43.30539322	0.350665122	0.044833638	3221.979004	0.017197192	1.09897995	0.000167769	0.005422078	0.004274436	9.617401123	8.04871E-05	0.002084753	0.003026406	0.021161541	0.057803325
2021 Aug	0.043663707	1.16672E-05	111.8113327	51.07032394	0.402960539	0.046109147	3346.534424	0.018872952	1.123389244	0.000185291	0.005666368	0.004469023	9.851037979	8.00788E-05	0.002431077	0.003182773	0.021744948	0.059347328
2021 Sep	0.04241474	1.34196E-05	106.5364151	57.23457718	0.46631816	0.041929238	3094.453125	0.020237086	1.00577867	0.000244815	0.005444657	0.004208328	9.085753441	8.06942E-05	0.003138371	0.003052886	0.019897431	0.053725153
2021 Oct	0.042328786	1.35751E-05	109.5154648	60.08581161	0.477715641	0.042880535	3168.663086	0.020955317	1.024404526	0.000280965	0.005621944	0.004329612	9.232726097	7.84693E-05	0.003342213	0.003128118	0.020264007	0.054829288
2021 Nov	0.041920803	1.29833E-05	119.712944	60.5002327	0.452788144	0.048250284	3525.850586	0.021318348	1.160328269	0.00026807	0.006156407	0.004788582	10.18041325	7.46376E-05	0.00310817	0.003402002	0.022559194	0.061834652
2021 Dec	0.041555755	1.24588E-05	128.5769501	60.87156296	0.431365758	0.052914578	3836.335205	0.021638062	1.278441429	0.000257008	0.006620246	0.00518722	11.00427341	7.13576E-05	0.002903959	0.003640209	0.024554089	0.067919701
2022 Jan	0.041210461	1.19945E-05	136.1746368	61.14854431	0.412459791	0.057290014	4102.960449	0.021900894	1.384122372	0.000247227	0.007018631	0.005563132	11.71114159	6.8459E-05	0.002724557	0.003844644	0.026270162	0.073150583
2022 Feb	0.040899746	1.16049E-05	142.3159943	61.33239746	0.396650255	0.06120903	4318.960938	0.022102561	1.474035621	0.000239026	0.007341472	0.005901671	12.28320026	6.60317E-05	0.002575314	0.004010157	0.027663417	0.077393495
2022 Mar	0.040622693	1.1258E-05	147.7932739	61.49777222	0.382568747	0.064703532	4511.587402	0.022282846	1.554211259	0.000231721	0.007629399	0.006203555	12.79337692	6.38699E-05	0.002442359	0.00415777	0.028905896	0.081177093
2022 Apr	0.040383931	1.0941E-05	152.9512787	61.6804657	0.369668275	0.067980349	4692.661621	0.022460856	1.629425168	0.000225042	0.007900476	0.006486923	13.27335358	6.18919E-05	0.002320006	0.004296858	0.030073764	0.084730253
2022 May	0.040192842	1.06616E-05	157.6998444	61.88315201	0.358252913	0.070979156	4858.946777	0.02263527	1.698300123	0.000219153	0.008149951	0.006746621	13.71464157	6.01448E-05	0.002211012	0.00442501	0.03114613	0.087988712
2022 Jun	0.040382747	1.13542E-05	140.4483948	57.80202866	0.386090338	0.062415451	4281.573242	0.021731161	1.489119172	0.000225924	0.007260593	0.005973379	12.29955673	7.20372E-05	0.002444297	0.003963303	0.027595427	0.076992407
2022 Jul	0.040437929	1.25903E-05	109.3924713	48.94925308	0.406866431	0.04715208	3260.285645	0.019558771	1.120298862	0.000217527	0.005696499	0.004582139	9.740272522	8.61196E-05	0.002704702	0.003142308	0.021318313	0.0579167 01
2022 Aug	0.040555399	1.29369E-05	110.0555649	50.93613434	0.418306559	0.047323771	3266.705566	0.019949438	1.119106412	0.000220749	0.005728687	0.00462157	9.717079163	8.49093E-05	0.002798311	0.003168071	0.021303179	0.057852648
2022 Sep	0.040452965	1.34582E-05	108.9432831	53.35300446	0.437194735	0.046358533	3203.955322	0.020413186	1.088721037	0.000236816	0.005679271	0.004573064	9.501257896	8.3859E-05	0.002999258	0.003145649	0.020815602	0.056386691
2022 Oct	0.040446308	1.35978E-05	109.4504852	54.62049484	0.443627775	0.046532344	3208.758545	0.020698829	1.088276625	0.000249561	0.005714184	0.00460679	9.48760128	8.27694E-05	0.003090283	0.003161222	0.02079799	0.056350939
2022 Nov	0.040306229	1.3337E-05	113.7003632	54.93284988	0.433917701	0.049045049	3356.689941	0.020850144	1.147443295	0.000244954	0.005934627	0.004824806	9.874978065	8.09781E-05	0.002997023	0.003274591	0.021742988	0.059232909
2022 Dec	0.040167112	1.30869E-05	117.6895981	55.22164536	0.424767286	0.051405054	3495.642334	0.02099097	1.203032494	0.000240612	0.006141372	0.005029475	10.23873901	7.92933E-05	0.002908505	0.003381019	0.022630572	0.061939709
2023 Jan	0.040149149	1.28369E-05	122.8319397	55.75677872	0.415421247	0.053867102	3672.654785	0.02123628	1.251491785	0.000236324	0.006410562	0.005243382	10.70592785	7.75764E-05	0.002813664	0.003520404	0.023772458	0.065366462
2023 Feb	0.040247448	1.26037E-05	128.724884	56.49019623	0.406518161	0.05626386	3873.951172	0.021564428	1.290050149	0.000232374	0.006721006	0.005451982	11.24004269	7.59446E-05	0.002719196	0.003681741	0.025079284	0.06924729
2023 Mar	0.040338673	1.23866E-05	134.2160797	57.17382813	0.398225158	0.058497243	4061.521484	0.021870283	1.325982213	0.000228693	0.007010286	0.005646365	11.73774147	7.44246E-05	0.002631196	0.003832076	0.026296996	0.072863452
2023 Apr	0.040435653	1.21794E-05	139.5558014	57.84772491	0.390296161	0.060669899	4243.799805	0.022170944	1.361024022	0.000225185	0.007291571	0.005835588	12.22161579	7.29718E-05	0.002546701	0.003978299	0.027480336	0.076376371
2023 May	0.040673573	1.19991E-05	144.5339966	58.47851563	0.382904887	0.062692724	4413.604004	0.022451317	1.393539071	0.000222501	0.007554326	0.006011928	12.67249966	7.15971E-05	0.002469063	0.004115344	0.028583907	0.079650939
2023 Jun	0.044265669	1.23549E-05	133.0243378	55.32446289	0.400107831	0.056611076	4034.471924	0.021697236	1.249092102	0.000235124	0.006946316	0.005455046	11.75343704	7.96918E-05	0.002551049	0.003821723	0.026264641	0.072494686
2023 Jul	0.04529066	1.27234E-05	127.6443481	55.51646805	0.415839702	0.053338997	3843.618896	0.021571061	1.165400863	0.000244369	0.006663175	0.005176927	11.23547363	8.12065E-05	0.0026711	0.003693625	0.02505332	0.068724759
2023 Aug	0.045345895	1.27795E-05	130.0552521	57.25448227	0.424418867	0.053929672	3913.366943	0.021950413	1.169175506	0.000246717	0.006774159	0.005242844	11.40353584	8.10033E-05	0.002709371	0.003757989	0.025470968	0.06988927
2023 Sep	0.045183074	1.28861E-05	131.596283	58.51167679	0.43107608	0.054193389	3956.003662	0.022243977	1.166534901	0.000248609	0.006849485	0.005277841	11.50467777	8.08373E-05	0.00275213	0.00379966	0.025721818	0.070589222
2023 Oct	0.045101043	1.28698E-05	133.8678589	59.22618484	0.430969685	0.054982938	4029.653564	0.022449953	1.176742673	0.000247296	0.006966973	0.005351474	11.69399738	8.02169E-05	0.002742006	0.003861218	0.026187394	0.071962699
2023 Nov	0.045068093	1.27333E-05	137.1598969	59.59508514	0.425351113	0.056391627	4142.464844	0.022621635	1.201328874	0.000244719	0.007141	0.005473903	11.99255276	7.91899E-05	0.002687584	0.00395055	0.026917873	0.074143648
2023 Dec	0.045026101	1.25993E-05	140.3143463	59.9464035	0.419950575	0.057741757	4250.609375	0.022785529	1.224898458	0.00024224	0.007307672	0.005591197	12.27869797	7.82043E-05	0.002634969	0.004036142	0.027618021	0.076234214
2024 Jan	0.045019992	1.24649E-05	143.813736	60.36751938	0.414454073	0.059057359	4370.183594	0.022983467	1.246212125	0.000239763	0.007495074	0.005705416	12.59581661	7.72026E-05	0.002580139	0.004132629	0.028402539	0.078541525
2024 Feb	0.045050431	1.23368E-05	147.4854431	60.83818436	0.40914011	0.060274966	4495.281738	0.023205832	1.264260888	0.000237411	0.007693936	0.00581106	12.92825794	7.62354E-05	0.002525859	0.004235242	0.029232606	0.080951564
2024 Mar	0.045081332	1.22148E-05	151.0051422	61.29139328	0.404076099	0.061442725	4615.175293	0.023419682	1.281588435	0.000235172	0.007884553	0.005912407	13.24691677	7.53139E-05	0.002474054	0.004333611	0.03002811	0.083261058
2024 Apr	0.045113456	1.20965E-05	154.4412384	61.73590851	0.399163157	0.062583305	4732.194336	0.023629157	1.298531175	0.000233002	0.008070625	0.006011425	13.5579834	7.44199E-05	0.002423712	0.004429647	0.030804509	0.085514903
2024 May	0.045382641	1.19957E-05	157.5676575	62.10958481	0.394196719	0.063606068	4838.89209	0.023808338	1.313264966	0.000231862	0.008241004	0.006099993	13.84103966	7.34804E-05	0.002375645	0.004518332	0.031515416	0.087577924
2024 Jun	0.047589414	1.21696E-05	149.513504	59.67959595	0.404786319	0.059594575	4574.799316	0.02323913	1.226452708	0.000241376	0.00781574	0.005730501	13.20718098	7.93204E-05	0.002428903	0.004304588	0.029891049	0.082617849
2024 Jul	0.048266903	1.22735E-05	149.2233276	59.72796249	0.408344567	0.059061173	4563.584473	0.023306539	1.209978104	0.000243811	0.007804947	0.005683774	13.18811703	8.02685E-05	0.002446746	0.0043059	0.029845187	0.082389951
2024 Aug	0.048204359	1.23701E-05	151.1203156	60.76160812	0.412426978	0.059450537	4620.861328	0.023589198	1.212005973	0.000244013	0.007906075	0.005726298	13.33255577	7.99794E-05	0.002470972	0.004363314	0.030213566	0.08340954
2024 Sep	0.047889341	1.25685E-05	151.5223846	61.93752289	0.420942932	0.059119452	4624.623535	0.023840763	1.199238539	0.000243731	0.00792563	0.005709694	13.32830143	8.00038E-05	0.002532317	0.004379023	0.030221203	0.083364651
2024 Oct	0.047829922	1.2538E-05	153.5733795	62.57478714	0.420786142	0.059698712	4691.431641	0.024024982	1.206438303	0.000242345	0.008032921	0.005763603	13.50001144	7.94836E-05	0.002520091	0.004436048	0.030655341	0.084607512
2024 Nov	0.047819287	1.24457E-05	156.0533295	62.86667252	0.41667676	0.060559504	4776.195313	0.024164055	1.219869256	0.000240514	0.008167335	0.005838132	13.72422409	7.87136E-05	0.002481319	0.004504832	0.031216336	0.086244844
2024 Dec	0.047797754	1.23541E-05	158.5062256	63.16713333	0.412821174	0.061413441	4859.930664	0.024305902	1.233299017	0.000238811	0.008300041	0.005912196	13.94598293	7.79944E-05	0.002443859	0.004572906	0.031770054	0.087859832
2025 Jan	0.04782502	1.22586E-05	161.3795776	63.53623581	0.408688933	0.062175378	4957.804688	0.024501696	1.24388814	0.000237049	0.008467218	0.00597738	14.20560646	7.72247E-05	0.002401938	0.004659019	0.032464486	0.089745164
2025 Feb	0.0478995	1.21659E-05	164.4786682	63.94977188	0.404568881	0.062797278	5063.174805	0.024738086	1.251000881	0.000235352	0.008657373	0.006029605	14.48549461	7.64584E-05	0.002358504	0.004757247	0.033251815	0.09177281
2025 Mar	0.047971111	1.20768E-05	167.4627228	64.34815979	0.400604725	0.063396238	5164.629883	0.024965759	1.257853985	0.000233719	0.008840458	0.006079909	14.75498772	7.57211E-05	0.002316705	0.004851825	0.034009863	0.093725093
2025 Apr	0.048043806	1.19885E-05	170.4368744	64.74665833	0.396674842	0.063994229	5265.730469	0.025193091	1.264713883	0.000232102	0.00902289	0.006130156	15.02357483	7.49902E-05	0.002275204	0.004946071	0.034765109	0.095670372
2025 May	0.048145007	1.19112E-05	173.4160461	65.17304993	0.393142223	0.064612538	5366.659668	0.025428711	1.272151709	0.000230692	0.0092047	0.0061826	15.29237938	7.4334E-05	0.002236655	0.005040182	0.035516106	0.097608671
2025 Jun	0.047747798	1.20479E-05	171.1826935	64.44701385	0.39753592	0.063098982	5292.980469	0.025367403	1.238363743	0.000227373	0.009108081	0.006042948	15.12709427	7.68294E-05	0.002267597	0.004987839	0.03513816	0.09622857
2025 Jul	0.047005977	1.22568E-05	166.0366211	63.19042969	0.404161304	0.060638517	5121.903809	0.025075445	1.20247221	0.000222952	0.008848023	0.005819569	14.70219898	7.98031E-05	0.00232691	0.004850724	0.03408568	0.093000717
2025 Aug	0.046355046	1.24546E-05	162.1379242	63.78441238	0.417053878	0.058828793	4980.722656	0.024977956	1.227024198	0.000223539	0.008623847	0.005672601	14.30527878	8.04391E-05	0.002425562	0.004740876	0.0331144	0.090166874
2025 Sep	0.058840852	2.5516E-05	142.6083221	70.54202271	0.462314665	0.049367297	4079.021484	0.025154103	1.150476217	0.00022798	0.008057421	0.005086667	12.03567028	7.25977E-05	0.004947118	0.00410571	0.027276732	0.074544154
2025 Oct	0.054464817	2.94744E-05	52.93317795	38.2480011	0.221828893	0.016504461	1163.536499	0.012080894	0.308682084	0.00010739	0.003741936	0.002067843	3.927369595	2.16494E-05	0.005281578	0.001436105	0.008279136	0.023463443
2025 Nov	0.053892076	2.89665E-05	40.88639832	33.08773422	0.185567647	0.012224646	793.9052734	0.010152224	0.199873552	8.98945E-05	0.00311587	0.001651655	2.87416482	1.50889E-05	0.005108062	0.001086448	0.005869208	0.016879518
2025 Dec	0.053987503	2.8932E-05	40.81015015	33.02794647	0.185230836	0.012202366	792.3873291	0.010134815	0.19951345	8.97619E-05	0.003109919	0.001648563	2.868793964	1.50641E-05	0.005098421	0.001084776	0.005860259	0.01684705
2026 Jan	0.054155298	2.89116E-05	40.76781082	32.99659348	0.185122535	0.012189576	791.5307617	0.010125551	0.199309602	9.00842E-05	0.003106636	0.001646847	2.865846634	1.50499E-05	0.005092959	0.001084622	0.005855286	0.016828664
2026 Feb	0.054344628	2.8901E-05	40.74670029	32.98262405	0.185136572	0.012182858	791.0906372	0.010121333	0.199205056	9.05866E-05	0.003105014	0.001645991	2.864406824	1.50426E-05	0.005090138	0.001085225	0.005852873	0.016819153
2026 Mar	0.054463983	2.89037E-05	40.74711227	32.98465729	0.185198486	0.012182758	791.0821533	0.010121996	0.199206337	9.08876E-05	0.003105037	0.001646006	2.864459991	1.50429E-05	0.00509009	0.001085872	0.005853272	0.016818887

Appendix D.2-17: TIRI02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2026 Apr	0.05459651	2.89394E-05	40.79548645	33.0247879	0.185452655	0.012197094	792.0118408	0.010134332	0.199442416	9.11669E-05	0.003108719	0.00164796	2.867874384	1.50609E-05	0.005096075	0.001087524	0.005860414	0.016838605
2026 May	0.058551766	2.88067E-05	40.10681152	32.66146851	0.18509762	0.011959504	774.0219727	0.010017714	0.194581568	0.000111177	0.003066942	0.001623273	2.814123392	1.47593E-05	0.005045545	0.001095012	0.005768203	0.016490884
2026 Jun	0.072477937	2.63051E-05	20.98734474	23.10287094	0.133983374	0.005210096	229.8989716	0.006759189	0.038119938	0.000206979	0.002061762	0.00094864	1.211345434	5.2086E-06	0.004308875	0.000782113	0.002677933	0.006520386
2026 Jul	0.056041878	2.91976E-05	20.64114761	24.75288582	0.131189257	0.004773971	159.7609406	0.007065572	0.011373349	0.000122663	0.002179034	0.000966439	1.080756783	3.91992E-06	0.004943874	0.000611649	0.002140483	0.005680471
2026 Aug	0.04044589	3.43794E-05	25.55690002	31.1324482	0.158774287	0.005883662	182.23526	0.008639966	0.004901854	9.32266E-05	0.002672438	0.001204483	1.310070038	4.00476E-06	0.006342413	0.000534795	0.00183352	0.006912369
2026 Sep	0.036200147	3.63011E-05	27.55977821	33.6124382	0.170504063	0.006382713	195.9801178	0.009264781	0.00456205	8.17748E-05	0.002876939	0.001297318	1.411922574	4.13566E-06	0.006862326	0.000576484	0.001847624	0.007460875
2026 Oct	0.052345678	2.89773E-05	20.2803688	24.87696838	0.126033708	0.004798824	143.0726166	0.006983081	0.006540929	6.1363E-05	0.002088349	0.000950041	1.043709636	3.5274E-06	0.004999664	0.000478162	0.001627012	0.005404673
2026 Nov	0.053166687	2.87872E-05	20.05731201	24.61000824	0.124685511	0.004750875	141.4428558	0.006915645	0.006639749	6.0927E-05	0.002063902	0.000939394	1.032479286	3.51626E-06	0.004941736	0.000475515	0.001624671	0.005340611
2026 Dec	0.053337127	2.87319E-05	19.99774551	24.53848648	0.124324143	0.004737902	141.0095978	0.006897309	0.006660171	6.08022E-05	0.002057425	0.000936557	1.029471636	3.51232E-06	0.00492637	0.000474717	0.001623503	0.005323664
2027 Jan	0.053636719	2.86963E-05	19.96306801	24.49947929	0.124250948	0.004729697	140.7522888	0.006887191	0.006671989	6.14313E-05	0.002053654	0.000934898	1.027811646	3.5095E-06	0.004917046	0.000475631	0.001622896	0.005313392
2027 Feb	0.05397303	2.86777E-05	19.94645691	24.48317719	0.12433669	0.00472525	140.6238556	0.006882946	0.006679665	6.23512E-05	0.002051828	0.000934092	1.027099013	3.50803E-06	0.004912212	0.000477309	0.001622858	0.005308058
2027 Mar	0.054194141	2.86874E-05	19.95116234	24.49119186	0.124469489	0.004726087	140.6508636	0.006885384	0.006688477	6.2897E-05	0.002052249	0.000934298	1.027419448	3.50965E-06	0.004912966	0.000478557	0.001623959	0.005308811
2027 Apr	0.05459461	2.88377E-05	20.05455017	24.61938858	0.125173882	0.004750418	141.3761749	0.006921531	0.006727291	6.35279E-05	0.002062847	0.000939131	1.032788396	3.52829E-06	0.004938192	0.000481688	0.001632786	0.005336035
2027 May	0.062174987	2.88245E-05	19.94043159	24.55712891	0.128454193	0.004705716	139.7197723	0.006916656	0.006954403	0.000102393	0.002053245	0.000935299	1.029610276	3.54605E-06	0.004894817	0.00052817	0.00167541	0.005287317
2027 Jun	0.059350941	2.45942E-05	15.70517921	19.2217598	0.104017451	0.003551776	97.35702515	0.005609652	0.006404875	0.000115815	0.001724576	0.000741544	0.806378245	3.17855E-06	0.003835852	0.000601177	0.002062951	0.004145498
2027 Jul	0.061490465	2.5576E-05	16.16832161	19.75781822	0.104915231	0.003658622	99.11891937	0.005774226	0.00668992	0.000106985	0.001761749	0.00076302	0.829072893	3.32299E-06	0.003949803	0.000560451	0.002068274	0.004269069
2027 Aug	0.040902354	3.39033E-05	24.88749504	30.34150124	0.155228928	0.00572798	154.2729187	0.008455388	0.004774418	8.91027E-05	0.002616373	0.001173718	1.27439034	3.96427E-06	0.006177307	0.000559848	0.001912666	0.006708642
2027 Sep	0.046228275	3.11233E-05	22.36867523	27.36685753	0.138859898	0.005246271	138.4323273	0.007642378	0.005767184	6.64528E-05	0.002315483	0.001050814	1.148882151	3.70885E-06	0.005532651	0.000500303	0.001700578	0.00599265
2027 Oct	0.048403148	3.05644E-05	21.90595818	26.83338928	0.135914028	0.005156649	135.5566864	0.007489485	0.006071736	6.44263E-05	0.002264074	0.001027366	1.125905991	3.65119E-06	0.005417371	0.000501509	0.001668344	0.005863752
2027 Nov	0.051040698	2.94267E-05	20.75199509	25.44501495	0.128891453	0.004903153	128.2657623	0.007129344	0.006387106	6.18912E-05	0.002139315	0.000972477	1.067526579	3.56047E-06	0.00512123	0.000484936	0.001637417	0.00553785
2027 Dec	0.05127212	2.93349E-05	20.65715599	25.33094406	0.128314987	0.004882354	127.6659698	0.007099874	0.006414737	6.16877E-05	0.002129047	0.000967967	1.062730789	3.55339E-06	0.005096849	0.00048359	0.0016351	0.005511007
2028 Jan	0.051604427	2.92927E-05	20.61631966	25.28478241	0.128218547	0.004872716	127.4032135	0.007087878	0.006427952	6.23768E-05	0.002124612	0.000966013	1.060768127	3.54999E-06	0.005085909	0.000484553	0.001634314	0.005498961
2028 Feb	0.051983677	2.92725E-05	20.59785843	25.26670074	0.128314629	0.004867787	127.2798767	0.007083193	0.006437031	6.34038E-05	0.002122579	0.000965118	1.059977531	3.54845E-06	0.005080526	0.000486433	0.001634322	0.005493017
2028 Mar	0.052193411	2.92643E-05	20.58984566	25.25933838	0.128378704	0.004865587	127.2253571	0.007081336	0.006442545	6.39644E-05	0.002121683	0.000964726	1.059651375	3.54795E-06	0.005078102	0.000487495	0.001634482	0.005490329
2028 Apr	0.052408904	2.93151E-05	20.6243248	25.30300903	0.128657177	0.004873564	127.4356232	0.007093695	0.006457801	6.43976E-05	0.002125196	0.000966333	1.061473727	3.55438E-06	0.005086356	0.000489008	0.001637662	0.005499216
2028 May	0.052926105	2.95628E-05	20.79798889	25.51688385	0.12978135	0.004914436	128.5017395	0.007153724	0.006514251	6.52443E-05	0.002143095	0.000974475	1.070440054	3.58454E-06	0.005129038	0.000493592	0.001651792	0.005545348
2028 Jun	0.05226896	2.69471E-05	18.09820557	22.09607887	0.11646647	0.004116056	99.07090759	0.006342209	0.005922506	9.91986E-05	0.001966137	0.00085353	0.927325845	3.36527E-06	0.004452916	0.000597527	0.00204949	0.004821551
2028 Jul	0.060413633	2.63436E-05	16.93645668	20.69240952	0.109325081	0.003838707	91.0975647	0.006011657	0.00655912	0.000106914	0.00183608	0.000799147	0.868314028	3.38639E-06	0.004145802	0.00055698	0.002050681	0.004483721
2028 Aug	0.051943932	3.1439E-05	21.91885376	26.74616051	0.138365403	0.005018955	118.5349121	0.007569409	0.005803239	0.00010051	0.002326877	0.001033871	1.122998953	3.82412E-06	0.005412051	0.000568481	0.002024687	0.005868486
2028 Sep	0.045805369	3.28536E-05	23.87951851	29.18338966	0.148590595	0.005556011	129.4866943	0.008134004	0.005578991	7.84479E-05	0.002492398	0.001122805	1.224969149	3.87661E-06	0.005918713	0.000548339	0.001829376	0.006417369
2028 Oct	0.063798554	2.41911E-05	15.38452816	18.98804474	0.096262574	0.003724355	82.7859726	0.005458429	0.007907335	5.04828E-05	0.001558982	0.000717195	0.796032965	3.15047E-06	0.003742534	0.000409001	0.001502458	0.004020255
2028 Nov	0.068255849	2.21115E-05	13.29381657	16.47027969	0.08353544	0.003263793	71.27561188	0.004804625	0.008438382	4.58342E-05	0.001333167	0.000617859	0.690200388	2.98212E-06	0.003206328	0.000377908	0.00144412	0.003430507
2028 Dec	0.068361558	2.20787E-05	13.258111	16.42741776	0.083318926	0.003256027	71.07845306	0.004793659	0.008451055	4.57605E-05	0.001329281	0.000616159	0.688398063	2.97983E-06	0.003197108	0.000377433	0.00144346	0.003420338
2029 Jan	0.06860362	2.2057E-05	13.23783493	16.40546417	0.083320267	0.003251027	70.96413422	0.004787939	0.008458248	4.63545E-05	0.001327072	0.000615185	0.687457085	2.97807E-06	0.003191529	0.000378413	0.001443158	0.003414193
2029 Feb	0.068892889	2.20458E-05	13.22864056	16.39772987	0.0834333	0.003248281	70.90986633	0.004785907	0.008463396	4.71995E-05	0.001326053	0.000614735	0.687107384	2.97717E-06	0.003188657	0.000380012	0.001443257	0.003411021
2029 Mar	0.069061153	2.20431E-05	13.22568512	16.39606285	0.083507814	0.003247289	70.89131165	0.004785543	0.008467514	4.76672E-05	0.001325704	0.000614584	0.68702352	2.97713E-06	0.003187588	0.000380943	0.001443535	0.003409823
2029 Apr	0.069214232	2.20599E-05	13.23497391	16.40871429	0.08361952	0.003249418	70.93955994	0.004789305	0.008476882	4.79729E-05	0.001326605	0.000615009	0.687545717	2.97958E-06	0.003189623	0.000381788	0.001444891	0.003411969
2029 May	0.07093326	2.22623E-05	13.397686	16.6249733	0.085647129	0.00328076	71.5826416	0.004849246	0.008506569	5.84705E-05	0.001344692	0.000623124	0.696487725	3.00282E-06	0.003227347	0.000396984	0.001462976	0.003453045
2029 Jun	0.070716418	2.30274E-05	14.19537449	17.5439167	0.096668556	0.003296359	70.23647308	0.005139421	0.007427743	0.000126727	0.001510141	0.000667795	0.735047519	3.05568E-06	0.003431589	0.00054867	0.001818621	0.003691612
2029 Jul	0.057201106	2.75867E-05	18.50138474	22.61214638	0.117145158	0.004224118	87.56406403	0.006457055	0.00598579	0.000103514	0.001954173	0.000872341	0.948830366	3.44885E-06	0.004549041	0.000466894	0.00179165	0.004927133
2029 Aug	0.041297797	3.35823E-05	24.68232346	30.10159111	0.153405964	0.005689481	117.2461624	0.008374735	0.004699086	8.80427E-05	0.00257772	0.001163834	1.264250159	3.92335E-06	0.006126062	0.000514287	0.001800043	0.006653222
2029 Sep	0.043037575	3.31263E-05	24.32476807	29.72486496	0.15078707	0.005673974	115.5552063	0.008257236	0.00532891	7.28507E-05	0.002526411	0.001143722	1.247909904	3.87815E-06	0.006033694	0.000527504	0.001757382	0.006543641
2029 Oct	0.049649868	3.00058E-05	21.32029724	26.12447739	0.132374763	0.005024345	101.1738586	0.007307975	0.006196022	6.38725E-05	0.002201113	0.000999779	1.096171975	3.60889E-06	0.005266638	0.00049092	0.001655052	0.005698378
2029 Nov	0.052338559	2.87857E-05	20.09635735	24.65195656	0.124919623	0.004755651	95.30361176	0.006925047	0.00652142	6.10362E-05	0.002068857	0.000941541	1.034247518	3.50985E-06	0.004952836	0.000473462	0.00162067	0.005353079
2029 Dec	0.05243995	2.8748E-05	20.05692291	24.60455513	0.124680035	0.004747025	95.11424255	0.006912827	0.006533577	6.09513E-05	0.002064582	0.000939664	1.032254577	3.507E-06	0.004942688	0.000472915	0.001619763	0.005341901
2030 Jan	0.052625593	2.87251E-05	20.03473663	24.57953835	0.124630503	0.004741781	95.00669098	0.006906325	0.00654089	6.13398E-05	0.002062171	0.000938602	1.031190276	3.50516E-06	0.004936735	0.00047347	0.001619344	0.005335344
2030 Feb	0.052838046	2.87153E-05	20.02558708	24.57085037	0.12469095	0.0047393	94.96121216	0.006904094	0.006546127	6.19143E-05	0.002061157	0.000938157	1.030807972	3.50446E-06	0.00493402	0.000474542	0.00161942	0.005332341
2030 Mar	0.052963767	2.87154E-05	20.02443886	24.57082367	0.124747694	0.004738857	94.95462799	0.006904201	0.006550229	6.22387E-05	0.002060999	0.000938094	1.030797124	3.50475E-06	0.004933486	0.000475215	0.001619771	0.005331727
2030 Apr	0.053078756	2.8739E-05	20.0401535	24.5908947	0.124882035	0.004742478	95.02849579	0.006909906	0.006557923	6.24746E-05	0.002062594	0.000938825	1.031633735	3.50778E-06	0.004937215	0.000475988	0.001621295	0.005335736
2030 May	0.053575695	2.89347E-05	20.17535591	24.75823402	0.125798866	0.004774134	95.65913391	0.006957097	0.006606083	6.35717E-05	0.002076545	0.000945182	1.03864336	3.53195E-06	0.004970257	0.000480087	0.001633028	0.005371418
2030 Jun	0.053997144	2.70615E-05	18.25601006	22.32086563	0.118298106	0.004161527	77.31412506	0.006392804	0.005970465	0.000107626	0.001973829	0.000860958	0.936566055	3.37201E-06	0.00448912	0.000598843	0.002014271	0.004859961
2030 Jul	0.048302602	3.06879E-05	21.76248169	26.54993057	0.13703984	0.004967604	90.34000397	0.007472817	0.005258186	0.000101526	0.002311186	0.001026219	1.114336133	3.68334E-06	0.005387143	0.000546635	0.001912937	0.005846031
2030 Aug	0.042671803	3.39571E-05	24.97673798	30.46112061	0.155356959	0.005743049	103.8727951	0.008471978	0.004745464	9.40746E-05	0.002613926	0.001177592	1.279034853	3.96316E-06	0.006202166	0.000525442	0.001829877	0.006736921
2030 Sep	0.039856799	3.57302E-05	26.69902802	32.56881714	0.165538788	0.006171341	111.0832062	0.009016478	0.004732915	8.63887E-05	0.002787892	0.001257682	1.367580056	4.11864E-06	0.006639027	0.000559468	0.00186591	0.007211273
2030 Oct	0.048864946	3.08023E-05	22.0486393	27.00157928	0.136870071	0.005181636	91.70487213	0.007540789	0.006064359	6.71025E-05	0.002280392	0.001034475	1.133024931	3.68254E-06	0.005452242	0.000502359	0.00168653	0.00590242
2030 Nov	0.051226586	2.94173E-05	20.72158051	25.40497208	0.128746346	0.004891464	86.16698456	0.007121131	0.006370652	6.31928E-05	0.002136968	0.00097125	1.065866232	3.56204E-06	0.005113279	0.000483214	0.001640502	0.005529627
2030 Dec	0.051337402	2.93737E-05	20.67642975	25.35067749	0.128471881	0.004881576	85.97828674	0.007107107	0.006383969	6.3093E-05	0.002132076	0.000969102	1.063583493	3.55868E-06	0.00510167	0.000482577	0.001639404	0.005516843
2031 Jan	0.051541016	2.93479E-05	20.65151978	25.32253075	0.12841326	0.004875704	85.87368774	0.007099792	0.006392144	6.35131E-05	0.002129368	0.00096791	1.062386632	3.55662E-06	0.005094995	0.00048317	0.001638927	0.005509491
2031 Feb	0.051768672	2.93346E-05	20.63956261	25.31063271	0.128466561	0.004872539	85.82305145	0.007096688	0.006397427	6.41315E-05	0.002128057	0.000967331	1.061868072	3.55555E-06	0.005091543	0.000484291	0.001638869	0.005505684
2031 Mar	0.051899403	2.93311E-05	20.63573456	25.30744171	0.128512278	0.004871449	85.80662537	0.007095919	0.006401136	6.44767E-05	0.002127619	0.000967142	1.06172359	3.55543E-06	0.005090326	0.000484964	0.00163905	0.005504326
2031 Apr	0.052086383	2.93927E-05	20.67825699	25.36044884	0.128816783	0.004881382	85.98314667	0.007110854	0.006417118	6.48132E-05	0.002131978	0.000969129	1.06394136	3.56306E-06	0.005100659	0.000486399	0.001642704	0.005515477
2031 May	0.067781463	2.84776E-05	19.79222679	24.45059776	0.132343292	0.004632674	81.32221222	0.006884567	0.006752369	0.00015094	0.002045366	0.000931011	1.024489164	3.49678E-06	0.004847392	0.000577325	0.001690261	0.005237417
2031 Jun	0.103252411	2.342E-05	14.72418785	18.57383919	0.121436514	0.003294399	55.44472122	0.005422825	0.007573669	0.00034084	0.00158076	0.000702327	0.775381088	3.1009E-06	0.003503292	0.00079642	0.001964816	0.003770963
2031 Jul	0.080455348	2.68355E-05	17.61930275	21.80833435	0.126191318	0.003979556	64.9611969	0.006288057	0.006931124	0.00022644	0.001892723	0.000835038	0.913184106	3.42628E-06	0.004278148	0.000699116	0.002051291	0.00462307
2031 Aug	0.045039862	3.30705E-05	24.22462845	29.58943748	0.153094634	0.005575547	88.35725403	0.008244666	0.004836199	0.000108401	0.002536758	0.00114299	1.242406607	3.87779E-06	0.006003164	0.000551398	0.001834685	0.0065179
2031 Sep	0.046664223	3.0297E-05	21.62731743	26.46790504	0.134448841	0.005077908	78.83190918	0.007404785	0.005785868	6.57861E-05	0.002235538	0.001016063	1.111218214	3.6303E-06	0.00534359	0.000484835	0.00166549	0.005786118
2031 Oct	0.056822356	2.65544E-05	17.90987396	22.02255821	0.111575104	0.004276511	65.33908844	0.006237216	0.007076817	5.55227E-05	0.001832768	0.00083737	0.923622251	3.32195E-06	0.004393466	0.000442864	0.001552484	0.004737644
2031 Nov	0.057275578	2.63788E-05	17.72805023	21.80395699	0.110469356	0.004236693	64.67797089	0.006180736	0.007131158	5.51272E-05	0.001813075	0.000828716	0.914429784	3.30844E-06	0.004346723	0.000440324	0.001548078	0.004686166
2031 Dec	0.057366911	2.63441E-05	17.69181824	21.76038933	0.110249273	0.004228755	64.5462265	0.006169503	0.007142061	5.50503E-05	0.00180915	0.000826993	0.912598193	3.30581E-06	0.004337401	0.000439814	0.001547235	0.0046759
2032 Jan	0.057552312	2.63237E-05	17.67210007	21.73839378	0.110217363	0.004224043	64.47460175	0.006163795	0.007148879	5.54582E-05	0.001807004	0.000826049	0.911660731	3.30419E-06	0.00433207	0.000440431	0.001546908	0.004670027
2032 Feb	0.057766262	2.63129E-05	17.6626339	21.72937965	0.110280454	0.004221446	64.44029999	0.006161445	0.007153437	5.60555E-05	0.001805962	0.000825589	0.91126436	3.30334E-06	0.004329273	0.000441533	0.001546913	0.00466694
2032 Mar	0.05789018	2.63108E-05	17.66002655	21.72760201	0.110330261	0.004220643	64.43093872	0.006161052	0.007156921	5.63865E-05	0.001805656	0.000825458	0.911179721	3.30334E-06	0.004328376	0.000442191	0.001547136	0.004665935
2032 Apr	0.058022678	2.63386E-05	17.67797279	21.75047112	0.110479131	0.004224831	64.49647522	0.006167598	0.007166717	5.66325E-05	0.001807468	0.000826291	0.912133217	3.30697E-06	0.004332631	0.000443043	0.001548959	0.004670499
2032 May	0.059008822	2.66042E-05	17.90198326	22.03365326	0.112484224	0.004272111	65.10928345	0.006244512	0.007177441	6.33755E-05	0.001831765	0.000837141	0.923941076	3.33508E-06	0.004387215	0.000454578	0.001565662	0.004730083
2032 Jun	0.056799952	2.60435E-05	17.30534554	21.18801498	0.113598064	0.003939453	56.07155991	0.006097064	0.006114164	0.000116434	0.001875374	0.000816468	0.888822734	3.28103E-06	0.004244215	0.000598885	0.001997715	0.004591734
2032 Jul	0.04923062	3.06225E-05	21.77366447	26.57874107	0.136261642	0.004983939	69.45595551	0.007458606	0.005186801	0.000100725	0.002286051	0.001026432	1.115460277	3.6689E-06	0.005389712	0.000483668	0.001762549	0.005849269
2032 Aug	0.04238015	3.15709E-05	22.74723053	27.75392914	0.141468942	0.005268644	72.58927155	0.007764106	0.004924852	7.83675E-05	0.002364284	0.001072821	1.166160226	3.75017E-06	0.005628609	0.00047182	0.001721649	0.006107477
2032 Sep	0.040204655	3.27329E-05	23.95629692	29.24219704	0.148569927	0.005576964	76.4597168	0.008141004	0.004961969	7.10126E-05	0.002486775	0.001128414	1.228503346	3.84227E-06	0.005937247	0.000502707	0.001741338	0.0064417
2032 Oct	0.042754095	3.2473E-05	23.73398399	29.00450516	0.147135571	0.005543939	75.78968048	0.008068158	0.005329574	6.95671E-05	0.002461753	0.001116083	1.21786654	3.81689E-06	0.005882537	0.000513512	0.001729638	0.006378339
2032 Nov	0.04438407	3.18762E-05	23.15175629	28.30984879	0.1435709	0.005418995	73.95444489	0.007884688	0.005538045	6.80519E-05	0.002398768	0.001088024	1.188518763	3.7664E-06	0.005733955	0.000508005	0.001711201	0.006214278
2032 Dec	0.046107627	3.10567E-05	22.37001419	27.37277794	0.138786852	0.005248687	71.48490143	0.007637077	0.005754949	6.60786E-05	0.002314566	0.001050573	1.149004817	3.69461E-06	0.005534721	0.000498648	0.001684339	0.005994869
2033 Jan	0.046556685	3.09973E-05	22.31230354	27.30728722	0.13863416	0.005235171	71.30376434	0.007620046	0.005774133	6.69674E-05	0.002308299	0.00104781	1.146221519	3.68985E-06	0.005519312	0.000499872	0.001683202	0.005977896
2033 Feb	0.047053684	3.09694E-05	22.28654099	27.28165054	0.138746127	0.005228405	71.22420502	0.007613403	0.00578686	6.82867E-05	0.002305463	0.001046561	1.145103931	3.68772E-06	0.005511867	0.000502285	0.001683175	0.005969672

Appendix D.2-17: TIRI02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2033 Mar	0.047352105	3.09725E-05	22.28569794	27.28383064	0.138889134	0.005227814	71.22302246	0.007614289	0.005797212	6.90454E-05	0.002305283	0.0010465	1.145172715	3.68875E-06	0.005511073	0.000503896	0.001684156	0.005968726
2033 Apr	0.047659285	3.10639E-05	22.34969521	27.36401176	0.139372543	0.005242602	71.42840576	0.007636824	0.005819888	6.96779E-05	0.002311849	0.001049492	1.148525238	3.70001E-06	0.005526566	0.000506272	0.001689588	0.005985456
2033 May	0.099550828	2.60895E-05	17.60359764	22.13394737	0.138122767	0.004026671	55.29374313	0.006299275	0.007233721	0.000333316	0.001829652	0.000836312	0.924823642	3.30152E-06	0.004232522	0.000759184	0.001765421	0.004564823
2033 Jun	0.107252032	2.59808E-05	17.5747757	22.16445351	0.144922525	0.003926895	50.59645081	0.006328822	0.006969612	0.000405846	0.001867007	0.000839372	0.925254107	3.28573E-06	0.004214461	0.000876421	0.001944088	0.004550677
2033 Jul	0.066550545	3.16946E-05	22.76105881	28.00823975	0.154250398	0.005175558	64.06420135	0.007852038	0.005622527	0.000208737	0.002404532	0.001076804	1.173867106	3.7876E-06	0.005602802	0.000677105	0.001949747	0.006077241
2033 Aug	0.048713628	3.59182E-05	26.76890182	32.72507477	0.170832291	0.006132675	74.91146088	0.009074004	0.004816823	0.000139947	0.002810538	0.001263423	1.373292446	4.15307E-06	0.006644338	0.000624217	0.001954684	0.007218863
2033 Sep	0.052382268	2.85947E-05	19.90590286	24.41736984	0.124054186	0.004706592	55.93626022	0.006867226	0.006463153	6.35046E-05	0.002049345	0.000933162	1.0245471	3.49425E-06	0.004902849	0.000469959	0.001619359	0.005299214
2033 Oct	0.054827727	2.70499E-05	18.48437881	22.71118355	0.115048178	0.004400589	52.02206802	0.006411318	0.006837605	5.66473E-05	0.001895632	0.000864745	0.952572227	3.35189E-06	0.004542571	0.000450111	0.001559146	0.004902381
2033 Nov	0.057384603	2.59632E-05	17.37376595	21.37448883	0.108294085	0.004156441	48.96931839	0.006065333	0.007142291	5.42382E-05	0.001775544	0.000811955	0.896381855	3.26633E-06	0.004257335	0.000434011	0.001530606	0.004588488
2033 Dec	0.0574264	2.59496E-05	17.35909271	21.35686684	0.10820508	0.004153243	48.92908859	0.006060816	0.007147295	5.42078E-05	0.001773949	0.000811257	0.89564085	3.26536E-06	0.004253549	0.000433814	0.001530319	0.004584314
2034 Jan	0.057506744	2.5941E-05	17.35078049	21.3476162	0.108192652	0.004151254	48.90669632	0.006058419	0.007150257	5.43851E-05	0.001773044	0.000810858	0.895246446	3.26468E-06	0.004251298	0.000434085	0.001530189	0.004581833
2034 Feb	0.057598803	2.59367E-05	17.34695435	21.3440361	0.108221084	0.004150196	48.89680099	0.00605749	0.007152264	5.46415E-05	0.001772621	0.000810672	0.895088434	3.26435E-06	0.004250156	0.000434562	0.001530208	0.004580572
2034 Mar	0.057653442	2.59364E-05	17.34622192	21.34374809	0.108245	0.004149943	48.8952179	0.006057456	0.007153914	5.47855E-05	0.001772529	0.000810634	0.895072043	3.26443E-06	0.004249865	0.000434856	0.001530338	0.004580242
2034 Apr	0.057745911	2.59638E-05	17.364254	21.36628914	0.108373776	0.004154213	48.94632721	0.006063879	0.007162465	5.49258E-05	0.001774362	0.000811474	0.89601481	3.26794E-06	0.00425422	0.000435485	0.00153204	0.004584926
2034 May	0.069183238	2.54391E-05	16.86255264	20.87980843	0.112046972	0.004002633	47.26338959	0.00594524	0.007364032	0.000120266	0.001727142	0.000790672	0.874665618	3.23127E-06	0.004105949	0.00050616	0.001572604	0.004422333
2034 Jun	0.092611767	2.57131E-05	17.23702049	21.58123016	0.132578745	0.003917251	44.57067871	0.006166789	0.007007968	0.000303712	0.001819809	0.000818521	0.902053714	3.25909E-06	0.004157381	0.000754178	0.001856197	0.004486598
2034 Jul	0.056745946	2.98517E-05	20.83940506	25.50329781	0.133151159	0.004766644	51.38268661	0.007193289	0.00565724	0.000123842	0.002187554	0.000982993	1.069895029	3.63094E-06	0.005139279	0.000504584	0.001784562	0.005572448
2034 Aug	0.04992114	3.31362E-05	23.8887558	29.17775345	0.150278106	0.00548864	58.67626572	0.008158507	0.005281958	0.000109436	0.002499704	0.001126605	1.22483182	3.93217E-06	0.005914596	0.000530268	0.001854213	0.006419687
2034 Sep	0.051820882	2.94028E-05	20.65707397	25.32532692	0.128559902	0.004871025	50.9518013	0.007105371	0.006375865	6.59665E-05	0.002131122	0.000968563	1.062565088	3.56718E-06	0.005095407	0.000482736	0.001648789	0.005510458
2034 Oct	0.057406209	2.61667E-05	17.54363632	21.58095169	0.10933549	0.004195245	43.50338364	0.006120946	0.007146567	5.46569E-05	0.00179348	0.000819964	0.905049205	3.28742E-06	0.004300128	0.000437259	0.001539452	0.004635166
2034 Nov	0.058125816	2.58915E-05	17.25681114	21.23602867	0.107592732	0.004132408	42.81983948	0.006031991	0.007232586	5.40418E-05	0.001762401	0.000806321	0.890548468	3.2665E-06	0.004226337	0.000433214	0.001532737	0.004553902
2034 Dec	0.058208492	2.58651E-05	17.22823906	21.20171928	0.107419454	0.004126185	42.75193024	0.006023203	0.007242484	5.3983E-05	0.001759294	0.000804961	0.889105916	3.26464E-06	0.004218963	0.000432831	0.001532192	0.004545771
2035 Jan	0.058366641	2.58481E-05	17.21183777	21.18346977	0.107395232	0.004122257	42.71401215	0.00601847	0.007248227	5.43342E-05	0.001757509	0.000804175	0.888327777	3.2633E-06	0.004214521	0.000433369	0.001531929	0.004540877
2035 Feb	0.058549318	2.584E-05	17.20454788	21.17673111	0.107453346	0.004120227	42.69831467	0.006016727	0.007252241	5.4843E-05	0.001756702	0.00080382	0.888029516	3.26268E-06	0.004212332	0.000434319	0.001531984	0.004538458
2035 Mar	0.058654528	2.5838E-05	17.20222855	21.1750946	0.107495353	0.004119517	42.69386673	0.006016355	0.007255127	5.51257E-05	0.001756431	0.000803704	0.887952328	3.26266E-06	0.004211545	0.000434879	0.001532162	0.004537576
2035 Apr	0.058820412	2.58836E-05	17.23199081	21.21242523	0.107713506	0.004126556	42.76848221	0.006027015	0.007269879	5.53862E-05	0.00175945	0.00080509	0.889512897	3.26855E-06	0.004218706	0.000435984	0.001535032	0.004545273
2035 May	0.065017208	2.59399E-05	17.2525177	21.30443764	0.11154861	0.004110447	42.59238434	0.006058085	0.007372171	9.20282E-05	0.001764901	0.000807653	0.892873824	3.28299E-06	0.004212058	0.000480219	0.001571553	0.004537682
2035 Jun	0.078685731	2.51446E-05	16.55122948	20.53872108	0.120988406	0.003740371	36.72312546	0.005919869	0.006641563	0.000231589	0.001781272	0.00078481	0.859670818	3.20975E-06	0.004011855	0.00070057	0.001959276	0.004333276
2035 Jul	0.058362797	2.83577E-05	19.24040794	23.54421234	0.125349373	0.004372522	41.56812668	0.006723696	0.006028901	0.000128155	0.002066214	0.000908323	0.987703562	3.5203E-06	0.004730562	0.000594905	0.002014301	0.005124271
2035 Aug	0.039212968	3.33965E-05	24.59843445	30.00018883	0.153463319	0.005681218	52.82586288	0.008349646	0.004614646	8.50572E-05	0.002572725	0.001160272	1.260337114	3.89713E-06	0.006102833	0.000534894	0.001826261	0.00662715
2035 Sep	0.055345945	2.67866E-05	18.06797028	22.19375801	0.112609409	0.004303555	39.39167023	0.006292812	0.006875989	5.59632E-05	0.001849667	0.000846091	0.931311786	3.35039E-06	0.004430943	0.000436421	0.001567054	0.0047805
2035 Oct	0.057317901	2.64974E-05	17.82181168	21.91783524	0.11104513	0.004258226	38.90079498	0.006211896	0.007137516	5.53396E-05	0.001822897	0.000833149	0.9192186	3.32143E-06	0.004370173	0.000442045	0.001553692	0.004711714
2035 Nov	0.055239238	2.71173E-05	18.50688553	22.74032021	0.115194552	0.004407203	40.3085556	0.006421619	0.006888961	5.67244E-05	0.001897532	0.000865757	0.953792751	3.36337E-06	0.004547308	0.000451195	0.001565154	0.004907126
2035 Dec	0.055392042	2.70567E-05	18.44421959	22.66493225	0.11481373	0.004393455	40.17899323	0.006402154	0.006907181	5.65906E-05	0.001890747	0.000862777	0.950623631	3.35871E-06	0.004531194	0.000450303	0.001563639	0.004889386
2036 Jan	0.055553507	2.70382E-05	18.42629051	22.64484978	0.114780538	0.004389187	40.14338303	0.00639694	0.006913256	5.69401E-05	0.001888798	0.000861918	0.949768364	3.35724E-06	0.004526361	0.00045082	0.001563328	0.004884062
2036 Feb	0.055738989	2.70285E-05	18.41773224	22.6366024	0.114832439	0.004386863	40.1277504	0.006394792	0.006917326	5.74538E-05	0.001887856	0.000861503	0.949406505	3.35647E-06	0.004523848	0.000451764	0.001563326	0.004881288
2036 Mar	0.055839658	2.70234E-05	18.4131813	22.63223839	0.114861034	0.004385624	40.11946106	0.006393657	0.00691956	5.77321E-05	0.001887355	0.000861282	0.949214816	3.35607E-06	0.004522507	0.000452277	0.001563331	0.004879808
2036 Apr	0.056468442	2.71085E-05	18.48855591	22.73155975	0.115716882	0.004401131	40.24560547	0.006420272	0.006926913	5.99359E-05	0.001895258	0.000864808	0.953328788	3.36496E-06	0.004540304	0.000457733	0.001568042	0.004899189
2036 May	0.058625318	2.73755E-05	18.71272659	23.02883148	0.118381776	0.004446371	40.6122818	0.006501157	0.006963589	6.92259E-05	0.001919141	0.000875502	0.965628803	3.39444E-06	0.004592671	0.000475986	0.001586363	0.004956143
2036 Jun	0.058390144	2.66524E-05	17.92913628	21.98316002	0.118441999	0.004091457	34.90589905	0.006296509	0.006120926	0.00012629	0.001931298	0.000845804	0.921974719	3.33259E-06	0.004398282	0.000608435	0.001973555	0.004758999
2036 Jul	0.050677191	3.05802E-05	21.56646156	26.32542038	0.135495767	0.004930302	40.73076248	0.007411073	0.005389946	0.000102888	0.002275184	0.0010168	1.104829669	3.68648E-06	0.005334021	0.000509864	0.001840845	0.005787239
2036 Aug	0.046522692	3.39026E-05	24.64764977	30.0682621	0.153678507	0.005659668	46.44325256	0.008389482	0.005086684	9.95108E-05	0.00258328	0.001162056	1.262366891	3.99354E-06	0.006113613	0.000531858	0.001877624	0.006638621
2036 Sep	0.041080326	3.35216E-05	24.80722427	30.29881287	0.153746828	0.005772628	46.79769897	0.00840205	0.005067005	7.48804E-05	0.00258109	0.00116691	1.272049665	3.89844E-06	0.00615975	0.000533805	0.001765289	0.00668366
2036 Oct	0.060716268	2.50622E-05	16.35062599	20.14643097	0.102107495	0.003933899	31.64939117	0.005753892	0.007536012	5.23842E-05	0.001664011	0.000763267	0.844762504	3.20895E-06	0.003992274	0.000420533	0.001516865	0.004295947
2036 Nov	0.057712696	2.62572E-05	17.59041214	21.63842201	0.109637327	0.004206362	33.86975861	0.006138788	0.007180571	5.49489E-05	0.00179817	0.000822181	0.907472908	3.30061E-06	0.004311109	0.000438416	0.001546341	0.004646911
2036 Dec	0.057266284	2.63847E-05	17.73282051	21.80937767	0.11049898	0.004237354	34.12244034	0.006182285	0.007127647	5.52163E-05	0.001813682	0.000828958	0.914659381	3.30904E-06	0.004347958	0.000440301	0.00154852	0.004687567
2037 Jan	0.057618041	2.63463E-05	17.69563103	21.76791	0.110439569	0.004228469	34.05964279	0.006171531	0.007140636	5.59895E-05	0.001809635	0.000827177	0.912892044	3.306E-06	0.004337898	0.000441475	0.001547914	0.004676485
2037 Feb	0.058020603	2.63278E-05	17.67901802	21.75238991	0.11056371	0.004223877	34.03524399	0.006167512	0.007149585	5.71065E-05	0.001807798	0.000826368	0.91220659	3.3046E-06	0.004332937	0.000443556	0.001548017	0.004671003
2037 Mar	0.05827364	2.63328E-05	17.68011665	21.75642204	0.110695012	0.004223799	34.04148865	0.006168865	0.007158578	5.77489E-05	0.001807835	0.000826402	0.912356913	3.30574E-06	0.00433272	0.000444946	0.001548963	0.004670696
2037 Apr	0.058496092	2.6371E-05	17.70448494	21.78793716	0.1109185	0.004229427	34.09076691	0.00617792	0.007173317	5.81926E-05	0.001810284	0.000827531	0.913667858	3.31082E-06	0.004338415	0.000446336	0.001551582	0.004676794
2037 May	0.1079752	2.30701E-05	14.64278698	18.59871292	0.121141113	0.0033728	28.27433014	0.005374261	0.008075626	0.000337498	0.001511453	0.000695414	0.775776088	3.04899E-06	0.003472359	0.000733924	0.001684058	0.003727924
2037 Jun	0.105549134	2.55311E-05	17.13268089	21.60197639	0.140603483	0.003837169	30.06936646	0.006180305	0.007050942	0.000388956	0.001819494	0.000817604	0.901791513	3.24549E-06	0.004106733	0.000853782	0.001923817	0.004432274
2037 Jul	0.064428329	3.186E-05	22.97473907	28.2530632	0.154985934	0.005227188	38.44471359	0.00791354	0.005537861	0.000201801	0.002430504	0.00108658	1.184239388	3.79402E-06	0.00566066	0.000682381	0.001963958	0.006140769
2037 Aug	0.043027893	3.59113E-05	27.01632309	33.00064468	0.171317905	0.006205624	44.59884644	0.009130236	0.004475261	0.000124425	0.002834054	0.001274936	1.385327578	4.11969E-06	0.00671309	0.000615665	0.001920845	0.007295073
2037 Sep	0.041226447	3.43931E-05	25.60753632	31.27984047	0.159737989	0.005944958	42.37797928	0.008665028	0.004925303	8.65032E-05	0.002668174	0.001205597	1.313284278	3.98069E-06	0.006359465	0.000559601	0.001810509	0.006902895
2037 Oct	0.052616078	2.83905E-05	19.77014351	24.2600975	0.123048246	0.004681982	33.27388382	0.006818806	0.006539284	6.12902E-05	0.00203453	0.000926081	1.017736793	3.46867E-06	0.004870415	0.000470311	0.001605055	0.005262894
2037 Nov	0.053712368	2.7914E-05	19.28802109	23.68031311	0.120076254	0.004576903	32.52568436	0.006668035	0.006679065	5.98158E-05	0.001982252	0.000903085	0.993347049	3.4305E-06	0.004746824	0.000463266	0.001591378	0.005126782
2037 Dec	0.053798776	2.78892E-05	19.2605629	23.64737892	0.119909629	0.004570954	32.48369217	0.006659634	0.006689497	5.97572E-05	0.001979257	0.000901776	0.991962016	3.42884E-06	0.004739724	0.000462911	0.001590923	0.005118946
2038 Jan	0.053971145	2.78693E-05	19.24113464	23.62557411	0.119871013	0.004566349	32.45566177	0.006653981	0.00669625	6.01217E-05	0.001977143	0.000900845	0.991033733	3.42727E-06	0.004734491	0.000463448	0.001590594	0.005113181
2038 Feb	0.054165334	2.78591E-05	19.2319603	23.61667061	0.119923145	0.004563876	32.44428635	0.006651666	0.006700674	6.06541E-05	0.001976133	0.0009004	0.99064362	3.42647E-06	0.004731806	0.000464425	0.001590591	0.005110215
2038 Mar	0.054276105	2.7856E-05	19.22870255	23.61395645	0.119962446	0.004562942	32.44102859	0.006651007	0.006703693	6.09498E-05	0.001975761	0.000900239	0.990520835	3.42635E-06	0.00473077	0.000465	0.001590734	0.005109063
2038 Apr	0.054404981	2.78881E-05	19.25019073	23.64107704	0.120130412	0.00456795	32.47855759	0.006658705	0.006713548	6.1192E-05	0.001977949	0.00090124	0.991653323	3.43044E-06	0.004735924	0.000465891	0.001592746	0.005114609
2038 May	0.072617263	2.69015E-05	18.30503654	22.68730354	0.12490236	0.004295581	30.84540558	0.006422538	0.007067404	0.000163161	0.001886802	0.000861073	0.950144053	3.35881E-06	0.004463008	0.000574238	0.001650953	0.004815201
2038 Jun	0.11207334	2.49818E-05	16.674366	21.13119507	0.140904531	0.003739596	26.61282349	0.006047485	0.007284214	0.000417689	0.00175881	0.000796584	0.881457865	3.19566E-06	0.003978257	0.000866767	0.001866502	0.004289309
2038 Jul	0.108715631	2.53315E-05	16.89844322	21.35298729	0.140128434	0.003792908	26.7928524	0.006114267	0.007253679	0.000397722	0.001786931	0.000806514	0.891123533	3.23647E-06	0.004041233	0.000853362	0.001897707	0.004358684
2038 Aug	0.101551779	2.66463E-05	18.1281662	22.7772789	0.144280791	0.004087119	28.32948303	0.006485151	0.006962879	0.000367637	0.001913264	0.00086356	0.951524854	3.35075E-06	0.004363858	0.000828329	0.001904243	0.004712799
2038 Sep	0.093811661	2.76091E-05	19.07888794	23.85986328	0.146220669	0.004324975	29.46016121	0.006760595	0.006707098	0.000331456	0.002008903	0.000906909	0.997548938	3.42629E-06	0.004617997	0.000794503	0.0018883	0.004991561
2038 Oct	0.08965873	2.77034E-05	19.17180824	23.9293499	0.144085765	0.004365682	29.48039627	0.006773549	0.006680328	0.000304857	0.002014134	0.000909959	1.000793338	3.4309E-06	0.004649407	0.000762986	0.001860067	0.005025504
2038 Nov	0.089453213	2.77075E-05	19.17123032	23.92614174	0.143908724	0.004367035	29.47426224	0.006772657	0.006686299	0.000303128	0.002013708	0.000909837	1.00067842	3.43164E-06	0.004649646	0.00076094	0.001858607	0.005025679
2038 Dec	0.089459546	2.77015E-05	19.1646843	23.91814423	0.143860012	0.004365679	29.46526909	0.006770595	0.006688631	0.000303025	0.00201298	0.00090952	1.000343084	3.43122E-06	0.00464798	0.000760743	0.001858386	0.00502384
2039 Jan	0.089480206	2.76986E-05	19.16178513	23.91483307	0.143850461	0.004365022	29.46158791	0.006769731	0.006689694	0.00030304	0.002012657	0.000909379	1.000202656	3.43099E-06	0.004647209	0.000760777	0.001858296	0.005022989
2039 Feb	0.089506984	2.7697E-05	19.16039085	23.91345215	0.143856436	0.004364663	29.46012688	0.006769368	0.006690379	0.000303101	0.002012499	0.000909311	1.000142455	3.43087E-06	0.004646806	0.000760901	0.001858273	0.005022544
2039 Mar	0.089534193	2.77001E-05	19.16233253	23.91606712	0.143879965	0.004365081	29.46347809	0.006770124	0.006691696	0.000303176	0.002012697	0.000909401	1.000250459	3.43129E-06	0.004647241	0.000761076	0.001858522	0.005023009
2039 Apr	0.089590341	2.77144E-05	19.17213821	23.92841721	0.143958688	0.004367302	29.47876358	0.00677363	0.006695484	0.000303357	0.002013724	0.000909866	1.000766158	3.43308E-06	0.004649599	0.000761522	0.001859508	0.005025554
2039 May	0.089794844	2.78155E-05	19.2511158	24.02615166	0.144524649	0.004385135	29.57643127	0.006800435	0.006707139	0.000304339	0.002022045	0.000913615	1.004857898	3.4444E-06	0.004669098	0.000764055	0.001865009	0.005046753
2039 Jun	0.080497183	2.6099E-05	17.49559021	21.7329464	0.127937004	0.003971789	25.93825531	0.006221619	0.006631104	0.000244495	0.001864479	0.000829445	0.909606516	3.2942E-06	0.004245169	0.000706772	0.001918742	0.00458678
2039 Jul	0.071659811	2.64411E-05	17.85011292	22.05750084	0.125504598	0.004054925	25.41009903	0.006303659	0.006284004	0.00020305	0.001906414	0.000844993	0.923939168	3.31195E-06	0.004352601	0.000659059	0.001911053	0.00470749
2039 Aug	0.069410406	2.65647E-05	17.9494381	22.14860535	0.124385215	0.004083894	25.2600975	0.006324079	0.006201556	0.000189091	0.001910374	0.000849225	0.928008616	3.32282E-06	0.004382082	0.000625863	0.001872234	0.004740478
2039 Sep	0.068623379	2.6827E-05	18.19391251	22.44068718	0.125498116	0.004144191	25.50439072	0.00639962	0.006179778	0.000185594	0.001934339	0.000860561	0.940330327	3.34649E-06	0.004444958	0.000623879	0.001871517	0.004809062
2039 Oct	0.068062842	2.69099E-05	18.28125	22.54365349	0.125702709	0.004168505	25.56633949	0.006424659	0.006174452	0.000182321	0.00194192	0.000864456	0.944682002	3.35257E-06	0.004468024	0.000620379	0.001865113	0.004834078
2039 Nov	0.0680921	2.69135E-05	18.281847	22.54451561	0.12570563	0.004168773	25.56784821	0.006425052	0.006178336	0.000182311	0.001941941	0.000864479	0.944717705	3.35326E-06	0.004468113	0.000620425	0.001865447	0.004834141
2039 Dec	0.068098575	2.69136E-05	18.28141975	22.54402733	0.125702843	0.004168705	25.56749535	0.006424956	0.006179191	0.000182308	0.001941887	0.000864458	0.944697082	3.35334E-06	0.004467991	0.000620425	0.001865493	0.004834001

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.039	0.000035	0.000010	0.00000027	0.010	0.0000054	0.0034	2.7E-07	2.7E-07	1.3E-09	1.6E-06	7.6E-07	1.9E-06	2.0E-05	1.3E-09	1.6E-02	5.4E-09	1.9E-07	3.2E-07
Operations (2020-2043): Mean	942	1.4	1.8	0.063	527	0.13	147	2.1E-04	2.1E-04	2.7E-06	9.4E-03	6.9E-03	2.2E-01	3.2E-02	7.3E-06	3.5E+01	5.8E-05	1.5E-03	3.3E-04
Operations (2020-2043): Max	1707	2.6	3.3	0.11	960	0.23	267	3.5E-04	3.5E-04	4.0E-06	1.5E-02	1.2E-02	4.0E-01	5.4E-02	1.2E-05	6.0E+01	1.0E-04	2.8E-03	5.5E-04
Active Closure (2044-2050): Min	191	0.34	0.54	0.011	58	0.052	48	1.0E-03	9.5E-04	5.2E-06	7.7E-03	2.2E-03	7.1E-02	1.7E-02	5.8E-06	2.2E+01	2.9E-05	3.9E-04	2.1E-04
Active Closure (2044-2050): Mean	321	0.57	0.93	0.023	131	0.077	70	1.0E-03	9.7E-04	5.5E-06	8.8E-03	3.3E-03	1.0E-01	2.3E-02	7.0E-06	2.7E+01	3.6E-05	6.7E-04	2.6E-04
Active Closure (2044-2050): Max	1475	2.0	2.5	0.087	738	0.27	296	1.1E-03	1.0E-03	7.6E-06	2.2E-02	1.4E-02	4.2E-01	7.5E-02	1.7E-05	8.0E+01	1.2E-04	3.2E-03	6.9E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Post Closure (2051-2119): Min	140	0.17	0.23	0.0053	37	0.042	35	1.0E-03	9.5E-04	5.1E-06	7.9E-03	2.2E-03	5.9E-02	1.8E-02	5.8E-06	2.2E+01	2.7E-05	3.9E-04	2.2E-04
Post Closure (2051-2119): Mean	163	0.25	0.37	0.0080	46	0.046	41	1.0E-03	9.7E-04	5.2E-06	8.0E-03	2.2E-03	6.5E-02	2.2E-02	5.9E-06	2.3E+01	2.8E-05	4.4E-04	2.7E-04
Post Closure (2051-2119): Max	192	0.34	0.54	0.011	58	0.052	49	1.0E-03	9.8E-04	5.2E-06	8.1E-03	2.3E-03	7.2E-02	2.5E-02	6.0E-06	2.5E+01	2.9E-05	4.9E-04	3.2E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	0.038897283	3.45271E-05	1.03851E-05	2.69743E-07	0.009872592	5.39486E-06	0.003371787	2.69743E-07	2.69743E-07	1.34871E-09	1.59148E-06	7.5528E-07	1.86123E-06	1.95564E-05	1.34871E-09	0.015510221	5.39486E-09	1.8882E-07	3.23692E-07
2040 Feb	0.189548016	0.000168252	5.0607E-05	1.31447E-06	0.048109535	2.62894E-05	0.016430853	1.31447E-06	1.31447E-06	6.57234E-09	7.75536E-06	3.68051E-06	9.06983E-06	9.52989E-05	6.57234E-09	0.075581923	2.62894E-08	9.20128E-07	1.57736E-06
2040 Mar	0.361772925	0.000321127	9.6589E-05	2.5088E-06	0.091822267	5.01761E-05	0.03136006	2.5088E-06	2.5088E-06	1.2544E-08	1.48019E-05	7.02465E-06	1.73108E-05	0.000181888	1.2544E-08	0.144256294	5.01761E-08	1.75616E-06	3.01057E-06
2040 Apr	0.508605242	0.000451462	0.000135791	3.52705E-06	0.129090056	7.0541E-05	0.044088133	3.52705E-06	3.52705E-06	1.76353E-08	2.08096E-05	9.87574E-06	2.43367E-05	0.000255711	1.76353E-08	0.202805415	7.0541E-08	2.46894E-06	4.23246E-06
2040 May	12.19760132	0.009401484	0.003089789	0.00013395	2.88450551	0.002678997	0.985279799	0.00013395	0.00013395	6.69749E-07	0.000892028	0.00024807	0.001127701	0.005688372	6.69749E-07	4.56838274	2.84307E-06	6.09509E-05	8.85491E-05
2040 Jun	15.44418049	0.00896748	0.003568597	0.00027127	3.216881752	0.005425395	1.099109054	0.00027127	0.00027127	1.35635E-06	0.001938799	0.000337216	0.002548377	0.006287527	1.35635E-06	5.175946236	5.97105E-06	8.07573E-05	8.54343E-05
2040 Jul	7.78979969	0.002263432	0.001473504	0.000216137	1.388184667	0.005187151	0.495630205	0.000216137	0.000216137	1.08069E-06	0.001487122	0.000200816	0.00204711	0.002639312	1.08069E-06	2.233226776	4.06282E-06	3.94959E-05	2.34133E-05
2040 Aug	5.163303375	0.003395047	0.000771118	0.00013265	1.183275938	0.005068153	0.437640637	0.00013265	0.00013265	6.63251E-07	0.000742852	0.000139721	0.001384549	0.001863691	6.63251E-07	1.624328375	1.02421E-06	2.11742E-05	1.34829E-05
2040 Sep	7.443255424	0.011751357	0.000876537	0.00015723	1.871829629	0.006933027	0.701077878	0.00015723	0.00015723	7.86151E-07	0.001088593	0.000170842	0.001950491	0.002509346	7.86151E-07	2.343595266	1.50199E-06	3.10687E-05	1.78096E-05
2040 Oct	10.97982883	0.022509463	0.001128071	0.0002191	2.786268473	0.00980823	1.087589145	0.0002191	0.0002191	1.0955E-06	0.001773039	0.000241874	0.002595313	0.003698256	1.0955E-06	3.427351952	2.97789E-06	4.36841E-05	2.75352E-05
2040 Nov	11.39943027	0.023556225	0.001165235	0.000227011	2.893651247	0.010167955	1.131077409	0.000227011	0.000227011	1.13505E-06	0.001846825	0.000250752	0.002684331	0.003839466	1.13505E-06	3.557257652	3.11917E-06	4.52761E-05	2.86331E-05
2040 Dec	11.48117733	0.023738744	0.001173158	0.000228605	2.914467812	0.010239771	1.139328837	0.000228605	0.000228605	1.14302E-06	0.001860508	0.000252523	0.00270284	0.003866991	1.14302E-06	3.582689047	3.14354E-06	4.55952E-05	2.88417E-05
2041 Jan	11.56999016	0.02385067	0.001192772	0.000229519	2.937033892	0.010269713	1.147377968	0.000229519	0.000229519	1.1476E-06	0.001867197	0.0002543	0.002711311	0.003907669	1.1476E-06	3.616000652	3.15981E-06	4.60032E-05	2.9443E-05
2041 Feb	11.65210056	0.023916597	0.001215667	0.000230012	2.957874537	0.010276659	1.154421687	0.000230012	0.000230012	1.15006E-06	0.001869842	0.000255879	0.002714135	0.003949931	1.15006E-06	3.649253607	3.1704E-06	4.6407E-05	3.01606E-05
2041 Mar	11.70578003	0.02397087	0.001229073	0.000230457	2.971499205	0.010288333	1.159145236	0.000230457	0.000230457	1.15229E-06	0.001872719	0.000256936	0.002717756	0.003975988	1.15229E-06	3.670171738	3.17861E-06	4.66626E-05	3.05747E-05
2041 Apr	11.76228142	0.024054784	0.001239444	0.00023122	2.985840797	0.010317711	1.164402127	0.00023122	0.00023122	1.1561E-06	0.001878496	0.000258107	0.002725824	0.003999648	1.1561E-06	3.69022131	3.19031E-06	4.69116E-05	3.08787E-05
2041 May	170.283493	0.26170978	0.310502738	0.010758913	91.86621094	0.031022454	25.90344048	0.000234046	0.000234046	1.45034E-06	0.003167963	0.001396883	0.039413951	0.009513072	2.22133E-06	9.599732399	1.26279E-05	0.000306778	9.42783E-05
2041 Jun	1066.875977	1.601562142	2.069906712	0.070809074	595.7197876	0.149577275	165.9685364	0.000346816	0.000346816	3.60933E-06	0.011322294	0.007795094	0.249472156	0.036688101	8.77101E-06	39.98664856	6.92075E-05	0.001765184	0.000373758
2041 Jul	1593.793701	2.405698061	3.116949081	0.106368728	895.390686	0.218634531	249.3069	0.000169361	0.000169361	3.67314E-06	0.014250345	0.011433649	0.372269064	0.050807364	1.14527E-05	56.2909584	9.56012E-05	0.002579569	0.00051841
2041 Aug	1707.421143	2.581606865	3.341866016	0.113995112	960.0797119	0.234241351	267.3111267	0.000116696	0.000116696	3.61419E-06	0.014753062	0.012211485	0.398831785	0.053944524	1.19563E-05	60.01107788	0.000100357	0.002755949	0.000549376
2041 Sep	1658.431519	2.512674093	3.242604733	0.110624313	932.0615845	0.228481621	259.57901	0.00012998	0.00012998	3.59054E-06	0.014653686	0.011870344	0.387306899	0.05284337	1.16847E-05	58.76137161	9.81167E-05	0.002681074	0.000537135
2041 Oct	1460.610352	2.219863892	2.842959881	0.097099021	818.7744751	0.206165045	228.2532196	0.000243521	0.000243521	3.79527E-06	0.014063436	0.010550654	0.340948939	0.048639577	1.08904E-05	53.63877869	8.83602E-05	0.002376179	0.000488927
2041 Nov	1439.818481	2.188901186	2.800799847	0.095673904	806.8394165	0.203905433	224.9532928	0.000257766	0.000257766	3.82819E-06	0.014007001	0.010413702	0.336089849	0.048224561	1.08178E-05	53.12612152	8.73176E-05	0.00234444	0.000483991
2041 Dec	1436.762695	2.184358835	2.79457593	0.095463753	805.0806885	0.203584611	224.4674377	0.000260156	0.000260156	3.83448E-06	0.014000994	0.010393795	0.335375726	0.048168119	1.08086E-05	53.05490875	8.71676E-05	0.002339811	0.000483298
2042 Jan	1434.873291	2.181465149	2.790656567	0.095330507	803.9790039	0.203354508	224.163208	0.00026141	0.00026141	3.83717E-06	0.013993387	0.010381956	0.334917873	0.048162166	1.08014E-05	53.03147125	8.70718E-05	0.002337139	0.000483488
2042 Feb	1433.856567	2.17984271	2.788476229	0.095255762	803.3721924	0.203210026	223.9959564	0.000262041	0.000262041	3.83832E-06	0.013987242	0.010376073	0.334658116	0.048184793	1.0797E-05	53.03765488	8.70196E-05	0.002335873	0.000484112
2042 Mar	1434.277222	2.180440187	2.789183378	0.095279768	803.5875854	0.203269437	224.0570679	0.000262564	0.000262564	3.84156E-06	0.013993401	0.01037992	0.334744036	0.048229896	1.0802E-05	53.07709122	8.70502E-05	0.002336771	0.000484781
2042 Apr	1444.672363	2.196219444	2.809334993	0.095968075	809.4002075	0.204742551	225.6783295	0.000264722	0.000264722	3.87061E-06	0.014095998	0.010455611	0.337163121	0.048597183	1.08813E-05	53.47545242	8.76841E-05	0.002353829	0.000488596
2042 May	1432.45105	2.171492338	2.778935432	0.094910562	801.1850586	0.201939955	223.4176178	0.000290008	0.000290008	3.96822E-06	0.014049432	0.010419282	0.333452761	0.050260205	1.08996E-05	54.56102371	8.75589E-05	0.002350375	0.000523187
2042 Jun	1319.765747	1.986648917	2.56724	0.087717891	738.5524292	0.183014184	205.7325439	0.000305219	0.000305219	3.85245E-06	0.01310983	0.009578454	0.308199704	0.044637538	1.02558E-05	48.79221725	8.3074E-05	0.002169134	0.000460691
2042 Jul	1534.874023	2.316010475	3.000610113	0.102428138	862.289978	0.212827176	240.1538391	0.000193724	0.000193724	3.68944E-06	0.013704013	0.011054927	0.358457148	0.049494695	1.11786E-05	54.58650589	9.11183E-05	0.00248025	0.000502164
2042 Aug	1446.124023	2.184787273	2.819428205	0.096279629	811.378479	0.20371747	226.0248108	0.000231934	0.000231934	3.71584E-06	0.013208659	0.010443249	0.338296682	0.047568798	1.07518E-05	52.63492203	8.51798E-05	0.002353102	0.000476705
2042 Sep	1470.674438	2.23009038	2.866258144	0.097873345	825.0592041	0.206774771	229.9153595	0.000223354	0.000223354	3.71558E-06	0.013753865	0.010609219	0.343627095	0.048480019	1.08689E-05	53.59559631	8.79076E-05	0.002391241	0.000487522
2042 Oct	1467.236816	2.229525328	2.858630896	0.097614609	823.0140991	0.206244931	229.3991547	0.000221194	0.000221194	3.69795E-06	0.013940029	0.010582963	0.342567146	0.048502345	1.08325E-05	53.56028366	8.84946E-05	0.002384645	0.000488561
2042 Nov	1462.310303	2.222308874	2.848316193	0.097268671	820.1321411	0.205838561	228.6074066	0.000227957	0.000227957	3.72238E-06	0.01395413	0.010553039	0.341414541	0.048457023	1.0831E-05	53.48675156	8.82886E-05	0.002377522	0.000487779
2042 Dec	1460.503418	2.219622374	2.844636202	0.097144403	819.0921631	0.205648616	228.3200989	0.000229365	0.000229365	3.72608E-06	0.013950534	0.010541263	0.340992212	0.048423562	1.08255E-05	53.44456482	8.81998E-05	0.002374784	0.000487368
2043 Jan	1459.295532	2.217774391	2.84214282	0.097059622	818.3898926	0.20550023	228.1260529	0.000230095	0.000230095	3.72745E-06	0.013945227	0.010533597	0.340700507	0.048416559	1.08206E-05	53.42704391	8.81378E-05	0.002373053	0.00048744
2043 Feb	1458.707153	2.216836214	2.840880156	0.097016342	818.0386353	0.205417216	228.0292358	0.000230474	0.000230474	3.72818E-06	0.013941783	0.010530199	0.340550244	0.048429664	1.08182E-05	53.43066025	8.81077E-05	0.002372321	0.000487799
2043 Mar	1458.724731	2.216839075	2.840850592	0.097015254	818.0368042	0.20541963	228.0293274	0.000230733	0.000230733	3.72944E-06	0.013943141	0.010530788	0.340547293	0.048448063	1.08193E-05	53.44504547	8.81117E-05	0.002372472	0.000488108
2043 Apr	1466.454834	2.228572845	2.85586834	0.09752807	822.3651123	0.20650813	229.2362061	0.000232103	0.000232103	3.7499E-06	0.01401771	0.010586858	0.34234792	0.048714995	1.08773E-05	53.73612595	8.85803E-05	0.002385114	0.000490868
2043 May	1455.448608	2.207126141	2.828664064	0.096588053	815.0170898	0.204297662	227.2190247	0.000256954	0.000256954	3.84848E-06	0.014009146	0.010551929	0.339091778	0.050061285	1.09052E-05	54.61439514	8.84578E-05	0.002380711	0.000518277
2043 Jun	1284.067627	1.927727699	2.481761932	0.084736899	715.774353	0.177303508	199.5486298	0.000327235	0.000327235	3.88261E-06	0.012776162	0.0094294	0.297687441	0.048285127	1.0066E-05	51.18085098	8.07758E-05	0.002140551	0.000534783
2043 Jul	1493.930298	2.251187086	2.914036989	0.09950725	838.0512695	0.20851323	233.4743652	0.000250433	0.000250433	3.89374E-06	0.013675405	0.01082208	0.348534018	0.049721267	1.11647E-05	54.33768463	8.93027E-05	0.002424742	0.000509548
2043 Aug	1595.873413	2.412129402	3.119143486	0.106443547	896.6814575	0.221241057	249.7137299	0.000167687	0.000167687	3.66681E-06	0.014092783	0.011462001	0.37296766	0.051303323	1.1452E-05	56.89787292	9.38973E-05	0.002583795	0.000519769
2043 Sep	1632.303467	2.473367453	3.191520214	0.108887091	917.4494629	0.225204185	255.514801	0.000135047	0.000135047	3.56951E-06	0.014460066	0.011690768	0.381304681	0.052117974	1.15361E-05	57.94097519	9.65866E-05	0.002640349	0.000529344
2043 Oct	1429.057495	2.172029495	2.781881809	0.095015109	801.2037354	0.201858401	223.3546906	0.000241196	0.000241196	3.72825E-06	0.013766347	0.010326855	0.333666921	0.047629699	1.06709E-05	52.52156067	8.64348E-05	0.002325695	0.000478589
2043 Nov	1242.040039	1.892594576	2.405393124	0.082264952	694.2955933	0.180393308	193.7530518	0.000339526	0.000339526	3.87795E-06	0.013026091	0.009072461	0.289951116	0.043435458	9.87936E-06	47.49142838	7.67262E-05	0.002036608	0.000430871
2043 Dec	1240.342041	1.890062809	2.401953459	0.082148656	693.3213501	0.180207118	193.4836273	0.000340647	0.000340647	3.88044E-06	0.013021091	0.009061243	0.289554238	0.043400865	9.87324E-06	47.44893265	7.66403E-05	0.002034011	0.000430463
2044 Jan	1472.466309	2.006376743	2.525265455	0.086805776	736.692627	0.270579517	295.3187561	0.001024399	0.001024399	7.63555E-06	0.021707	0.014219069	0.420429438	0.075128682	1.70303E-05	80.28147125	0.000117354	0.003168544	0.000693412
2044 Feb	1472.486328	2.0064013	2.525291443	0.086806647	736.7011108	0.270582914	295.3220825	0.001024449	0.001024449	7.63583E-06	0.021707451	0.014219319	0.42043376	0.075132363	1.70307E-05	80.28459167	0.000117356	0.003168602	0.000693468
2044 Mar	1472.610718	2.006569147	2.525500059	0.086813815	736.7625732	0.270605624	295.3466797	0.001024556	0.001024556	7.63657E-06	0.021709366	0.014220552	0.420468509	0.075140156	1.70322E-05	80.29248047	0.000117366	0.003168879	0.000693552
2044 Apr	1472.974731	2.007064342	2.526121855	0.086835183	736.9442749	0.270672441	295.4194946	0.00102482	0.00102482	7.63851E-06	0.021714779	0.014224084	0.420572042	0.075159527	1.70364E-05	80.31293488	0.000117395	0.003169667	0.000693737
2044 May	1474.95752	2.009866238	2.529679775	0.086956888	737.9797974	0.270992547	295.7736511	0.001025878	0.001025878	7.64743E-06	0.021740012	0.014241441	0.421090245	0.075262189	1.70563E-05	80.41769409	0.000117542	0.003173599	0.000694905
2044 Jun	790.3093262	1.363498569	2.230612278	0.059885964	382.9716187	0.152745843	149.7776337	0.001092787	0.000963021	6.49107E-06	0.013197551	0.007820818	0.216126442	0.043095384	1.10852E-05	47.36292648	6.54322E-05	0.001768151	0.000424318
2044 Jul	414.143158	0.815098882	1.504113317	0.036630236	187.0418701	0.090825483	77.68167877	0.001049202	0.000945832	5.73824E-06	0.009209547	0.004071281	0.112415463	0.026105689	7.78001E-06	30.07727051	3.95975E-05	0.000914887	0.000285708
2044 Aug	342.9025269	0.675881743	1.265505314	0.030704148	148.9333038	0.080778554	66.15557098	0.001053194	0.000964429	5.68294E-06	0.008596169	0.003332166	0.095453948	0.023228373	7.24999E-06	27.31979561	3.51989E-05	0.000737715	0.000267675
2044 Sep	321.8895569	0.633339047	1.176131606	0.028457474	137.2556763	0.079500854	63.89905548	0.001053145	0.000967652	5.65375E-06	0.008399236	0.003196476	0.093949117	0.022595365	7.15345E-06	26.50909615	3.39407E-05	0.000700509	0.000261112
2044 Oct	311.5343018	0.614644647	1.13435781	0.027404502	131.8231659	0.07833343	62.32912827	0.001055822	0.000969126	5.63347E-06	0.008294672	0.003104569	0.091719761	0.022143526	7.06581E-06	26.07256699	3.30621E-05	0.000673411	0.000256066
2044 Nov	310.7449951	0.613502502	1.131052017	0.027316101	131.3183746	0.078310803	62.24760437	0.001056487	0.000969379	5.6327E-06	0.008301624	0.003097673	0.091579787	0.022118904	7.05634E-06	26.07309151	3.30116E-05	0.000670837	0.000255786
2044 Dec	310.7477417	0.613507986	1.131061077	0.027316324	131.3194885	0.078311674	62.24812698	0.001056501	0.000969392	5.63278E-06	0.008301737	0.003097704	0.09158057	0.022119176	7.05643E-06	26.07338524	3.30119E-05	0.000670844	0.000255789
2045 Jan	310.7471008	0.613506615	1.131057739	0.027316246	131.3191833	0.078311563	62.24796677	0.001056501	0.000969392	5.63278E-06	0.008301736	0.0030977	0.091580331	0.022119226	7.05642E-06	26.07340622	3.30119E-05	0.000670843	0.00025579
2045 Feb	310.7469482	0.613506019	1.131056309	0.027316213	131.3190613	0.078311488	62.24790573	0.001056501	0.000969393	5.63278E-06	0.008301734	0.003097701	0.091580227	0.022119313	7.05642E-06	26.07346344	3.30118E-05	0.000670843	0.000255791
2045 Mar	310.7553406	0.61352241	1.131086469	0.027316941	131.3225861	0.078313589	62.24957657	0.00105653	0.000969419	5.63293E-06	0.00830196	0.003097786	0.091582678	0.022119964	7.05661E-06	26.07420731	3.30127E-05	0.000670862	0.000255799
2045 Apr	310.7857971	0.613582492	1.131197214	0.027319614	131.3354645	0.078321271	62.25567245	0.001056634	0.000969515	5.63348E-06	0.008302775	0.00309809	0.091591641	0.022122163	7.0573E-06	26.07678604	3.3016E-05	0.000670928	0.000255825
2045 May	310.98349	0.613972783	1.131916642	0.02733699	131.4189911	0.078371078	62.29526901	0.001057306	0.000970131	5.63707E-06	0.008308058	0.003100061	0.09164989	0.022136249	7.06179E-06	26.09338379	3.3037E-05	0.000671354	0.000255988
2045 Jun	305.0587158	0.622587323	1.125794768	0.026647888	127.4883728	0.077163428	61.49143982	0.001045511	0.000962393	5.56009E-06	0.008337457	0.003118051	0.092362456	0.021901928	7.0073E-06	25.56659126	3.31152E-05	0.000662085	0.000247033
2045 Jul	291.7552185	0.59836024	1.075707436	0.024923163	117.8507004	0.074219368	60.95433044	0.001031659	0.0009596	5.49744E-06	0.008276237	0.00288936	0.090202384	0.020372976	6.74037E-06	24.96879196	3.27002E-05	0.000595391	0.000236689
2045 Aug	285.1150208	0.583266914	1.048217416	0.024085548	113.2634354	0.073073983	60.70434189	0.001038682	0.000966128	5.51543E-06	0.008202803	0.002774278	0.088847004	0.019640315	6.64956E-06	24.74577522	3.22503E-05	0.000561962	0.000233525
2045 Sep	279.2159424	0.569794953	1.021013379	0.02341699	110.2008591	0.072437584	60.01923752	0.001044017	0.00096798	5.51341E-06	0.008111554	0.002742682	0.08814168	0.019411268	6.63229E-06	24.4618988	3.1779E-05	0.000552293	0.00023116

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2045 Oct	275.930481	0.56247443	1.007221341	0.023098087	108.7595596	0.071906708	59.38381577	0.001044559	0.000968767	5.5091E-06	0.008048479	0.00271344	0.087241471	0.019264136	6.61438E-06	24.25582886	3.14516E-05	0.000545452	0.000229509
2045 Nov	275.9555359	0.562527537	1.007308364	0.023099985	108.7677689	0.071913972	59.39063644	0.001044677	0.000968849	5.50959E-06	0.008049267	0.00271377	0.087251477	0.019265966	6.61499E-06	24.25840759	3.14547E-05	0.000545509	0.000229531
2045 Dec	275.960022	0.562536776	1.007324457	0.023100354	108.7695236	0.071915202	59.39159012	0.001044696	0.000968867	5.50969E-06	0.008049412	0.002713815	0.087252893	0.019266307	6.6151E-06	24.25882339	3.14553E-05	0.000545518	0.000229535
2046 Jan	275.9606628	0.562537909	1.007326245	0.023100398	108.7697525	0.071915373	59.39171219	0.001044699	0.000968869	5.5097E-06	0.008049436	0.002713822	0.087253064	0.019266384	6.61512E-06	24.2589035	3.14553E-05	0.000545519	0.000229536
2046 Feb	275.9615784	0.562539756	1.007329464	0.023100471	108.7701111	0.071915612	59.39190292	0.001044703	0.000968873	5.50972E-06	0.008049464	0.002713832	0.08725334	0.019266484	6.61514E-06	24.25901031	3.14554E-05	0.000545521	0.000229537
2046 Mar	275.9721375	0.562561154	1.00736773	0.023101348	108.7742615	0.071918353	59.39416504	0.001044743	0.00096891	5.50994E-06	0.008049772	0.002713936	0.087256663	0.019267241	6.61539E-06	24.25995064	3.14566E-05	0.000545542	0.000229546
2046 Apr	276.0175476	0.56265378	1.00753355	0.023105148	108.7921524	0.071930192	59.40394211	0.001044915	0.00096907	5.51084E-06	0.008051097	0.002714383	0.087271012	0.019270422	6.61648E-06	24.26395226	3.14618E-05	0.000545632	0.000229584
2046 May	276.186554	0.562966108	1.008061886	0.023118064	108.8624802	0.071970902	59.43957138	0.001045433	0.000969554	5.51366E-06	0.008055486	0.002716073	0.087323442	0.019282628	6.62006E-06	24.27826691	3.14801E-05	0.000545985	0.000229734
2046 Jun	271.0245056	0.55482775	0.985564649	0.02251046	106.1624298	0.070726387	58.46797562	0.001045075	0.00096573	5.47583E-06	0.00805301	0.002721993	0.086604312	0.019245371	6.58974E-06	23.99485207	3.14259E-05	0.000543935	0.000226862
2046 Jul	255.1057587	0.517898798	0.915204287	0.020766689	98.21839142	0.066962861	55.51490021	0.001033326	0.00095932	5.39455E-06	0.007946774	0.002572057	0.082220964	0.018432541	6.40639E-06	23.09257507	3.07221E-05	0.000509234	0.000218406
2046 Aug	244.0047455	0.490590513	0.866334021	0.019488025	92.02481079	0.06464193	53.92362976	0.001033294	0.000961841	5.37683E-06	0.00789101	0.002451645	0.079522468	0.017822621	6.29233E-06	22.64016151	3.02404E-05	0.000479449	0.000214807
2046 Sep	236.6052704	0.472338855	0.831946611	0.018591199	87.87880707	0.063436612	52.9915123	0.001032419	0.000962578	5.36225E-06	0.007849318	0.002397798	0.078391127	0.01754678	6.23967E-06	22.35706711	2.98682E-05	0.000465337	0.000212381
2046 Oct	234.1291199	0.466872424	0.819160402	0.018265089	86.47662354	0.063150831	52.7085762	0.00103243	0.000961651	5.3514E-06	0.007825755	0.002383992	0.078012206	0.017471984	6.21888E-06	22.28235435	2.96316E-05	0.000460333	0.000211232
2046 Nov	233.9715729	0.466505826	0.817912519	0.018230675	86.33709717	0.063155688	52.72176361	0.001032583	0.000961511	5.35038E-06	0.007829814	0.00238401	0.078025304	0.017472614	6.21659E-06	22.29318428	2.96225E-05	0.000459956	0.000211209
2046 Dec	233.9748383	0.466512382	0.817923605	0.018230923	86.33828735	0.063156627	52.72249222	0.001032599	0.000961526	5.35046E-06	0.007829936	0.002384044	0.078026384	0.017472886	6.21668E-06	22.29351807	2.9623E-05	0.000459963	0.000211212
2047 Jan	233.9751282	0.466512889	0.817924321	0.018230939	86.33838654	0.063156717	52.72254181	0.001032601	0.000961528	5.35047E-06	0.007829951	0.002384048	0.078026459	0.017472938	6.21669E-06	22.29356956	2.9623E-05	0.000459964	0.000211213
2047 Feb	233.9760132	0.466514558	0.817927182	0.018231003	86.33870697	0.063156947	52.72272873	0.001032605	0.000961532	5.35049E-06	0.007829981	0.002384058	0.078026734	0.017473036	6.21672E-06	22.29367638	2.96231E-05	0.000459966	0.000211214
2047 Mar	233.989563	0.466541529	0.817974448	0.018232057	86.34369659	0.063160598	52.72578049	0.001032665	0.000961588	5.3508E-06	0.007830434	0.002384196	0.078031242	0.017474066	6.21708E-06	22.294981	2.96248E-05	0.000459992	0.000211227
2047 Apr	234.0066071	0.466575503	0.818033934	0.018233383	86.34998322	0.063165203	52.72961807	0.00103274	0.000961658	5.35119E-06	0.007831005	0.00238437	0.078036919	0.01747535	6.21753E-06	22.29661179	2.9627E-05	0.000460026	0.000211242
2047 May	234.0979462	0.466667593	0.818118215	0.01823712	86.39037323	0.063182361	52.74716949	0.001032913	0.000961836	5.35226E-06	0.00783314	0.002385554	0.07806249	0.017488655	6.21916E-06	22.30785561	2.96375E-05	0.00046031	0.000211433
2047 Jun	231.7490845	0.461451828	0.802856982	0.017845904	84.99819946	0.062256083	52.07349777	0.001029691	0.000958571	5.3232E-06	0.007804647	0.002402193	0.077269949	0.018122246	6.1926E-06	22.61198616	2.95086E-05	0.000463673	0.000221289
2047 Jul	228.6802063	0.450572193	0.775052488	0.017095421	82.21724701	0.06101077	51.8217659	0.00103215	0.000960423	5.31644E-06	0.007792341	0.002386174	0.076273188	0.018810462	6.14288E-06	23.24403191	2.93632E-05	0.000456909	0.000236578
2047 Aug	226.5932617	0.443537116	0.759808242	0.016722273	80.74658966	0.060596213	51.70201492	0.001035796	0.000963299	5.32574E-06	0.007766481	0.002374015	0.075972721	0.018963099	6.13724E-06	23.3848381	2.92195E-05	0.000453462	0.000240757
2047 Sep	225.4337769	0.439080417	0.749139726	0.016455477	79.62986755	0.060649883	51.98826599	0.001038854	0.000964147	5.33027E-06	0.007754666	0.002391472	0.076747954	0.019111771	6.15587E-06	23.49662018	2.91865E-05	0.000456239	0.000242983
2047 Oct	224.7190552	0.43699953	0.742986321	0.016291037	78.98499298	0.060572512	52.03689957	0.001039851	0.000964387	5.32966E-06	0.007745944	0.002389182	0.076782279	0.019136941	6.15064E-06	23.54824448	2.9085E-05	0.000453911	0.000243726
2047 Nov	224.8169556	0.437043488	0.742249131	0.016265748	78.90661621	0.060604986	52.12247086	0.001040254	0.00096444	5.3302E-06	0.007753125	0.002391052	0.076877795	0.019158941	6.14992E-06	23.59148598	2.90928E-05	0.000453703	0.000244156
2047 Dec	224.820282	0.437050015	0.74225992	0.016265985	78.90779114	0.060605939	52.1232338	0.001040271	0.000964455	5.33028E-06	0.007753251	0.002391089	0.076878935	0.019159244	6.15002E-06	23.5918541	2.90933E-05	0.00045371	0.00024416
2048 Jan	224.82164	0.437052578	0.742264152	0.01626608	78.9082489	0.060606312	52.12353516	0.001040278	0.000964461	5.33032E-06	0.0077533	0.002391104	0.076879375	0.019159386	6.15006E-06	23.59201622	2.90934E-05	0.000453713	0.000244162
2048 Feb	224.8240662	0.437057227	0.74227196	0.016266251	78.90909576	0.06060696	52.12408829	0.001040289	0.000964472	5.33038E-06	0.007753385	0.00239113	0.076880194	0.019159619	6.15012E-06	23.59228897	2.90938E-05	0.000453718	0.000244165
2048 Mar	224.8244781	0.437058002	0.742273211	0.016266279	78.90924072	0.060607065	52.12417984	0.001040291	0.000964474	5.33039E-06	0.0077534	0.002391135	0.076880321	0.019159671	6.15013E-06	23.59234428	2.90938E-05	0.000453719	0.000244166
2048 Apr	224.8525391	0.437112153	0.742364824	0.016268294	78.91911316	0.06061459	52.13067245	0.001040419	0.000964593	5.33105E-06	0.00775436	0.002391435	0.076889887	0.0191621	6.1509E-06	23.59530449	2.90974E-05	0.000453776	0.000244197
2048 May	224.9730225	0.43734619	0.742762148	0.016277004	78.96141815	0.060647056	52.15859985	0.001040976	0.000965109	5.3339E-06	0.007758513	0.002392717	0.076931082	0.019172389	6.15419E-06	23.60795975	2.9113E-05	0.000454019	0.000244328
2048 Jun	222.7595367	0.434063673	0.734777391	0.01606293	77.87261963	0.060039487	51.6240654	0.001039509	0.000963111	5.31568E-06	0.007748852	0.002387414	0.076365612	0.019079601	6.13555E-06	23.42593002	2.90139E-05	0.000451324	0.000241714
2048 Jul	216.4014893	0.418773353	0.705242813	0.015378817	74.76049042	0.058413703	50.32455444	0.001034283	0.00095952	5.27756E-06	0.007734025	0.002329452	0.074441783	0.018710485	6.06067E-06	23.01588249	2.87862E-05	0.000437719	0.000236778
2048 Aug	212.3192749	0.40624243	0.680404544	0.014794874	72.21829224	0.057454266	49.88284683	0.001034111	0.000959917	5.268E-06	0.007769431	0.002294399	0.07374946	0.018500466	6.02211E-06	22.88467789	2.87962E-05	0.000428475	0.000234901
2048 Sep	210.1521301	0.39832896	0.663830996	0.014390237	70.44573975	0.057067018	49.98151779	0.00103455	0.000959876	5.26411E-06	0.007805027	0.00229201	0.074108034	0.018427128	6.01308E-06	22.87461662	2.88668E-05	0.000426251	0.000233801
2048 Oct	210.0841675	0.397390574	0.660193443	0.014288874	70.02399445	0.057064198	50.21561813	0.001035864	0.000959169	5.26131E-06	0.007816989	0.002298416	0.07441213	0.018407933	6.00974E-06	22.92426109	2.88685E-05	0.000425459	0.000233423
2048 Nov	210.0146942	0.397077888	0.659236968	0.014265028	69.93068695	0.05706064	50.24123001	0.001036021	0.000959091	5.26094E-06	0.007819157	0.002298204	0.074430235	0.018401163	6.0082E-06	22.93130684	2.88611E-05	0.00042506	0.000233338
2048 Dec	210.017395	0.397083014	0.659245193	0.014265208	69.93157959	0.057061426	50.24186707	0.001036036	0.000959104	5.26101E-06	0.007819269	0.002298234	0.074431188	0.018401422	6.00829E-06	22.93161964	2.88614E-05	0.000425065	0.000233341
2049 Jan	210.0178375	0.397083819	0.659246385	0.014265234	69.93173218	0.057061557	50.24195862	0.001036039	0.000959107	5.26103E-06	0.007819289	0.00229824	0.07443133	0.018401489	6.0083E-06	22.93169022	2.88615E-05	0.000425067	0.000233342
2049 Feb	210.0182495	0.397084504	0.659247458	0.014265257	69.93185425	0.057061654	50.24204254	0.001036041	0.000959109	5.26104E-06	0.007819304	0.002298245	0.074431457	0.01840155	6.00831E-06	22.93175125	2.88616E-05	0.000425067	0.000233343
2049 Mar	210.0234222	0.39709422	0.659263492	0.014265605	69.93357086	0.057063054	50.24327469	0.001036066	0.000959132	5.26117E-06	0.007819497	0.002298302	0.074433275	0.018402018	6.00846E-06	22.93232727	2.88623E-05	0.000425078	0.000233349
2049 Apr	210.0502625	0.397144973	0.659347773	0.014267428	69.94251251	0.057070345	50.24969482	0.001036199	0.000959255	5.26184E-06	0.007820496	0.002298596	0.074442782	0.018404378	6.00923E-06	22.93526459	2.8866E-05	0.000425132	0.000233379
2049 May	210.1610718	0.397351295	0.659687936	0.014274839	69.97950745	0.057100296	50.2760582	0.001036743	0.00095976	5.26461E-06	0.00782462	0.002299824	0.074481808	0.018414523	6.0124E-06	22.94760895	2.88812E-05	0.000425362	0.000233509
2049 Jun	207.3859406	0.392199636	0.649289787	0.014027678	68.73042297	0.056336999	49.53551102	0.001034538	0.000957684	5.24491E-06	0.007816954	0.002289991	0.073639393	0.0183184	5.98991E-06	22.72520447	2.87774E-05	0.000422422	0.000230761
2049 Jul	201.9973907	0.378303856	0.622949123	0.01343377	66.05765533	0.054933492	48.48699188	0.001029558	0.000954508	5.21392E-06	0.007795264	0.002237063	0.072004542	0.01796801	5.9247E-06	22.36737061	2.85546E-05	0.000410039	0.000226395
2049 Aug	199.364975	0.368643641	0.603480279	0.012984999	64.12838745	0.054245859	48.39922333	0.001032995	0.000956658	5.21998E-06	0.007827428	0.002213564	0.071693465	0.017779961	5.90562E-06	22.31398201	2.85933E-05	0.00040237	0.000225108
2049 Sep	198.8070679	0.365133166	0.595729947	0.012800129	63.30847931	0.054184638	48.70630646	0.001035028	0.000957361	5.22515E-06	0.007862234	0.002227769	0.072395951	0.017806157	5.91862E-06	22.36998177	2.873E-05	0.000404551	0.000225067
2049 Oct	198.9082642	0.364344686	0.592669606	0.01272078	62.98317719	0.054216485	48.96657562	0.001036536	0.000957123	5.22558E-06	0.007879917	0.002236865	0.072781846	0.017814362	5.92126E-06	22.43226433	2.87684E-05	0.000404843	0.000225005
2049 Nov	198.8969421	0.364159465	0.592064381	0.012706278	62.9274025	0.054218985	48.99589539	0.001036815	0.000957164	5.22596E-06	0.007882581	0.002237263	0.072810821	0.017812498	5.92106E-06	22.44108391	2.8769E-05	0.000404664	0.00022499
2049 Dec	198.9001312	0.364165306	0.592073679	0.012706478	62.92840195	0.054219898	48.99667358	0.001036832	0.00095718	5.22605E-06	0.007882717	0.002237299	0.072811976	0.017812802	5.92116E-06	22.44145775	2.87695E-05	0.000404671	0.000224993
2050 Jan	198.9009857	0.364166856	0.592076004	0.012706528	62.92866898	0.05422014	48.99686813	0.001036837	0.000957185	5.22608E-06	0.007882754	0.002237309	0.072812267	0.017812902	5.92119E-06	22.44157219	2.87696E-05	0.000404673	0.000224995
2050 Feb	198.9013214	0.364167422	0.592076838	0.012706547	62.92877197	0.054220226	48.99694443	0.001036839	0.000957187	5.22609E-06	0.007882768	0.002237314	0.072812378	0.01781296	5.9212E-06	22.4416275	2.87697E-05	0.000404673	0.000224996
2050 Mar	198.9022675	0.364169121	0.59207952	0.012706605	62.92907333	0.054220475	48.99716949	0.001036844	0.000957191	5.22611E-06	0.007882806	0.002237325	0.072812714	0.017813057	5.92122E-06	22.44174576	2.87698E-05	0.000404675	0.000224997
2050 Apr	198.9210815	0.364203572	0.592135549	0.012707806	62.93502426	0.054225605	49.00180435	0.001036942	0.000957282	5.22661E-06	0.007883552	0.002237536	0.072819598	0.017814752	5.92179E-06	22.44387436	2.87725E-05	0.000404714	0.000225018
2050 May	199.0083618	0.364362031	0.592392087	0.012713226	62.96260071	0.054249335	49.02317047	0.0010374	0.000957705	5.22892E-06	0.007887031	0.002238527	0.072851323	0.017822895	5.9244E-06	22.45393562	2.87852E-05	0.000404894	0.000225122
2050 Jun	197.2129822	0.360667259	0.584461033	0.012528173	62.02967834	0.053658325	48.54101181	0.001038558	0.000956438	5.21626E-06	0.007885636	0.002243749	0.072306477	0.017864823	5.91436E-06	22.37939835	2.87354E-05	0.000404626	0.000224682
2050 Jul	192.736618	0.348306328	0.561016858	0.012008557	59.73431015	0.052383713	47.65538788	0.001034493	0.000953803	5.19113E-06	0.007863474	0.002199989	0.07085038	0.01764529	5.85756E-06	22.14202309	2.85387E-05	0.000394274	0.000222633
2050 Aug	190.8542633	0.339501888	0.543316245	0.011603229	58.06326675	0.051720887	47.74922943	0.001035582	0.000954386	5.1901E-06	0.007876967	0.002177995	0.070680678	0.017531058	5.83222E-06	22.17466736	2.85444E-05	0.000386704	0.000223172
2050 Sep	191.7893372	0.337608367	0.538418651	0.011474351	57.59827423	0.051761374	48.58722305	0.001037188	0.000954115	5.18999E-06	0.0079075	0.00219088	0.071821094	0.017549414	5.83889E-06	22.35928726	2.87393E-05	0.000387174	0.000224589
2050 Oct	192.1790314	0.337813079	0.538404465	0.011469385	57.59741211	0.051820572	48.79130173	0.001037928	0.000954225	5.19112E-06	0.007915665	0.002195611	0.072095849	0.017561808	5.84258E-06	22.40817261	2.87845E-05	0.000387592	0.000224906
2050 Nov	192.2043762	0.337855935	0.538470685	0.011470796	57.60451126	0.051827297	48.79824066	0.001038068	0.000954343	5.19177E-06	0.007916681	0.002195923	0.072105892	0.017564064	5.84333E-06	22.41119194	2.87882E-05	0.000387644	0.000224935
2050 Dec	192.2072449	0.337861001	0.538478613	0.011470964	57.60536957	0.051828101	48.79896164	0.001038084	0.000954358	5.19185E-06	0.007916804	0.002195956	0.072106957	0.017564338	5.84342E-06	22.41153526	2.87886E-05	0.00038765	0.000224939
2051 Jan	192.2081604	0.337862611	0.538481057	0.011471017	57.60564423	0.051828351	48.79918671	0.001038089	0.000954363	5.19188E-06	0.007916844	0.002195967	0.072107285	0.017564436	5.84345E-06	22.41165352	2.87888E-05	0.000387652	0.00022494
2051 Feb	192.208786	0.337863684	0.538482666	0.011471053	57.60582733	0.051828519	48.79933929	0.001038093	0.000954366	5.1919E-06	0.007916871	0.002195974	0.072107509	0.017564509	5.84347E-06	22.41173744	2.87889E-05	0.000387654	0.000224941
2051 Mar	192.211853	0.337869048	0.538491249	0.011471235	57.60674667	0.051829342	48.80011368	0.001038109	0.000954381	5.19198E-06	0.007916997	0.00219601	0.072108656	0.017564796	5.84356E-06	22.41209984	2.87893E-05	0.00038766	0.000224945
2051 Apr	192.2381897	0.337915361	0.53856498	0.011472806	57.61463928	0.051836442	48.80680084	0.001038252	0.000954512	5.19269E-06	0.007918082	0.002196311	0.072118536	0.01756721	5.84436E-06	22.41517448	2.87933E-05	0.000387713	0.000224975
2051 May	192.3303528	0.338069648	0.538804293	0.011477974	57.64203644	0.051860996	48.82923889	0.001038774	0.000954998	5.19531E-06	0.007922034	0.002197425	0.072151542	0.017577907	5.84729E-06	22.42743301	2.88075E-05	0.00038792	0.00022512
2051 Jun	191.4838562	0.336194336	0.535620093	0.011414913	57.36883545	0.051658478	48.60161972	0.001035922	0.000952679	5.1818E-06	0.007902283	0.002191313	0.071852103	0.017565349	5.8321E-06	22.36916351	2.87318E-05	0.000387334	0.000224956
2051 Jul	191.3384094	0.33573851	0.53481245	0.011400301	57.31456757	0.05163845	48.56754303	0.001035864	0.000952769	5.18202E-06	0.007903619	0.002191612	0.07182841	0.017576601	5.83288E-06	22.36635971	2.87361E-05	0.000387639	0.000225042
2051 Aug	191.3685455	0.335687906	0.534678042	0.011399059	57.32101822	0.051664151	48.57714081	0.001036336	0.000953276	5.18467E-06	0.007907569	0.002192978	0.071855009	0.017590847	5.83621E-06	22.37627411	2.87472E-05	0.000387981	0.00022517
2051 Sep	191.047821	0.334964395	0.533370733	0.011373722	57.21432495	0.0516124	48.49901199	0.001035387	0.000952551	5.18041E-06	0.0079021	0.002191348	0.071767427	0.017587319	5.83191E-06	22.35493088	2.87188E-05	0.000387914	0.00022502
2051 Oct	190.2794037	0.333387285	0.530502379	0.011316563	56.95957947	0.051479571	48.30652237	0.001033077	0.000950713	5.1696E-06	0.007888102	0.00218631	0.071535416	0.017568644	5.82008E-06	22.2994957	2.86445E-05	0.000387392	0.00022456
2051 Nov	190.231308	0.333285898	0.530299127	0.011312597	56.94267273	0.051475026	48.29420471	0.001033024	0.000950693	5.16939E-06	0.007888069	0.00218612	0.071522236	0.017569482	5.81984E-06	22.2974987	2.86413E-05	0.00038739	0.000224546
2051 Dec	190.2339172	0.333290488	0.53030622	0.011312749	56.94344711	0.051475778	48.29485321	0.001033039	0.000950708	5.16947E-06	0.007888187	0.002186151	0.071523204	0.017569743	5.81993E-06	22.29781914	2.86417E-05	0.000387396	0.000224549
2052 Jan	190.2341156	0.333290786	0.530306518	0.011312756	56.9434967	0.051475842	48.29489517	0.001033041	0.000950709	5.16947E-06	0.0078882	0.002186154	0.071523257	0.01756979	5.81994E-06	22.2978611	2.86417E-05	0.000387396	0.000224549
2052 Feb	190.2354736	0.33329311	0.530310094	0.011312833	56.94390106	0.051476218	48.29523468	0.001033048	0.000950717	5.16951E-06	0.007888259	0.002186171	0.071523771	0.017569954	5.81998E-06	22.29804802	2.86419E-05	0.000387399	0.000224552
2052 Mar	190.2423401	0.333305061	0.530329049	0.011313238	56.94594955	0.051478066	48.29696655	0.001033086	0.000950751	5.1697E-06	0.007888543	0.00218625	0.071526334	0.0175706	5.82019E-06	22.29885864	2.8643E-05	0.000387413	0.00022456
2052 Apr	190.2570648	0.33333084	0.530370057	0.011314113	56.95035172	0.051482044	48.30069733	0.001033166	0.000950824	5.1701E-06	0.007889153	0.00218642	0.071531862	0.017571967	5.82064E-06	22.30059052	2.86452E-05	0.000387443	0.000224577
2052 May	190.2520294	0.333264798	0.530213296	0.011311155	56.94470596	0.05148723	48.2975235	0.001033407	0.000951092	5.17141E-06	0.007891291	0.002186975	0.071533307	0.017584028	5.82211E-06	22.30834961	2.86505E-05	0.000387615	0.000224733
2052 Jun	189.6766052	0.331838042	0.527591765	0.011258318	56.74157715	0.05138224	48.135952	0.00103253	0.000950637	5.1677E-06	0.007886628	0.002184781	0.07134068	0.017618662	5.81761E-06	22.29947853	2.86147E-05	0.000387751	0.000225151
2052 Jul	189.7112885	0.331713855	0.527325511	0.011253688	56.74777603	0.051413488	48.1437149	0.00103327	0.000951423	5.17173E-06	0.007892724	0.002186494	0.071365483	0.017640375	5.82232E-06	22.31448746	2.86315E-05	0.000388168	0.000225374

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2052 Aug	189.8296509	0.331815571	0.527455211	0.011256923	56.78310013	0.051457033	48.17451859	0.001034057	0.000952191	5.17586E-06	0.007899011	0.002188461	0.071417123	0.017658403	5.8272E-06	22.33217812	2.8652E-05	0.000388573	0.000225571
2052 Sep	189.7308197	0.331513494	0.526891708	0.011245701	56.7497406	0.051450539	48.14976883	0.001033915	0.00095214	5.17541E-06	0.007898675	0.002188377	0.071392909	0.017663732	5.82691E-06	22.32961655	2.86449E-05	0.000388663	0.000225583
2052 Oct	189.6772308	0.331361741	0.526593626	0.011239803	56.73048782	0.051448047	48.13623428	0.001033897	0.000952169	5.17544E-06	0.007899068	0.002188376	0.071380466	0.017667705	5.82702E-06	22.32913589	2.86425E-05	0.000388721	0.000225601
2052 Nov	189.6968842	0.331395745	0.526646972	0.011240947	56.7363472	0.051453508	48.14121246	0.001034006	0.000952271	5.176E-06	0.007899913	0.002188608	0.071387902	0.017669609	5.82764E-06	22.33150101	2.86455E-05	0.000388762	0.000225625
2052 Dec	189.699585	0.331400484	0.526654303	0.011241104	56.73715591	0.051454272	48.14188766	0.001034022	0.000952285	5.17607E-06	0.007900032	0.00218864	0.071388915	0.017669873	5.82773E-06	22.33182907	2.86459E-05	0.000388768	0.000225628
2053 Jan	189.7004852	0.331402034	0.526656687	0.011241157	56.73742294	0.051454525	48.14210892	0.001034027	0.00095229	5.1761E-06	0.007900072	0.00218865	0.071389236	0.017669976	5.82776E-06	22.33194733	2.86461E-05	0.00038877	0.000225629
2053 Feb	189.7029724	0.331406325	0.526663482	0.011241301	56.73815918	0.051455192	48.14273071	0.001034041	0.000952302	5.17617E-06	0.007900175	0.00218868	0.071390159	0.017670225	5.82783E-06	22.3322506	2.86464E-05	0.000388775	0.000225633
2053 Mar	189.7120514	0.33142221	0.526688635	0.011241837	56.74087524	0.051457655	48.14503479	0.00103409	0.000952348	5.17642E-06	0.007900553	0.002188785	0.071393564	0.01767108	5.82811E-06	22.33332825	2.86478E-05	0.000388794	0.000225644
2053 Apr	189.7402191	0.331471384	0.526766837	0.011243506	56.74930191	0.051465292	48.15218353	0.001034244	0.000952489	5.17718E-06	0.007901726	0.002189109	0.071404167	0.01767371	5.82898E-06	22.33664703	2.86521E-05	0.000388852	0.000225677
2053 May	189.6129608	0.331047624	0.525940537	0.011227063	56.69098663	0.051448081	48.11942673	0.001034414	0.000952797	5.17843E-06	0.007903963	0.002190082	0.071384586	0.017707331	5.8307E-06	22.35183716	2.86549E-05	0.000389313	0.000226125
2053 Jun	188.6378784	0.328511059	0.521379948	0.011134108	56.33465576	0.051234186	47.86296463	0.00103203	0.000951151	5.16798E-06	0.007889256	0.002187415	0.07109797	0.017782683	5.82003E-06	22.34597206	2.85873E-05	0.000388913	0.000227208
2053 Jul	188.7707977	0.328593165	0.521459997	0.011136469	56.36999893	0.051278125	47.89663696	0.001033041	0.000952153	5.1733E-06	0.007897791	0.002189969	0.071158826	0.017811168	5.82631E-06	22.37126923	2.86177E-05	0.000390499	0.000227564
2053 Aug	189.0861816	0.329092652	0.522247732	0.011153404	56.4662323	0.051366828	47.97760391	0.001034698	0.000953688	5.1817E-06	0.00791068	0.002193757	0.071279719	0.017841119	5.83595E-06	22.408144	2.86645E-05	0.00039119	0.000227934
2053 Sep	189.2841339	0.329411417	0.522749901	0.011164176	56.52649689	0.051421884	48.02839279	0.001035734	0.000954645	5.18693E-06	0.007918774	0.002196114	0.071355477	0.017859781	5.84196E-06	22.43126678	2.8694E-05	0.00039162	0.000228167
2053 Oct	189.3349304	0.329481721	0.522855639	0.011166474	56.54253006	0.0514367	48.0416832	0.001035976	0.000954871	5.18818E-06	0.007920834	0.002196749	0.07137537	0.017864626	5.84345E-06	22.43707085	2.87015E-05	0.000391741	0.000228224
2053 Nov	189.3313599	0.32946676	0.52282548	0.011165868	56.54185486	0.051436864	48.04082108	0.001035952	0.000954852	5.18809E-06	0.007920777	0.002196742	0.071374238	0.017864561	5.84336E-06	22.43673515	2.87011E-05	0.000391744	0.000228219
2053 Dec	189.3325653	0.329468906	0.522828579	0.011165936	56.54221725	0.051437236	48.04111862	0.00103596	0.00095486	5.18812E-06	0.007920838	0.002196756	0.071374692	0.017864693	5.84341E-06	22.43689346	2.87013E-05	0.000391746	0.00022822
2054 Jan	189.3329773	0.329469591	0.522829592	0.011165957	56.54233551	0.051437356	48.0412178	0.001035963	0.000954862	5.18814E-06	0.007920858	0.002196762	0.071374834	0.017864756	5.84342E-06	22.43695831	2.87013E-05	0.000391747	0.000228221
2054 Feb	189.334137	0.329471529	0.522832632	0.011166022	56.54267883	0.051437661	48.04149628	0.001035969	0.000954868	5.18817E-06	0.007920907	0.002196776	0.071375243	0.01786489	5.84346E-06	22.43711281	2.87015E-05	0.00039175	0.000228223
2054 Mar	189.334671	0.329472482	0.522834003	0.011166053	56.54284286	0.051437806	48.04162979	0.001035972	0.000954871	5.18818E-06	0.007920929	0.002196782	0.071375445	0.017864956	5.84347E-06	22.43718529	2.87016E-05	0.000391751	0.000228224
2054 Apr	189.3587646	0.329514384	0.522900522	0.011167472	56.55003738	0.051444352	48.04774475	0.001036104	0.000954992	5.18885E-06	0.007921937	0.002197062	0.071384512	0.017867235	5.84422E-06	22.44004631	2.87052E-05	0.000391801	0.000228253
2054 May	189.4186707	0.329581469	0.522986531	0.011169459	56.56578827	0.051461011	48.06200027	0.001036518	0.000955395	5.19098E-06	0.007925211	0.002198078	0.071408384	0.017880119	5.84666E-06	22.45184898	2.8717E-05	0.000392027	0.000228432
2054 Jun	188.5768738	0.327290148	0.518919706	0.011086653	56.25017929	0.051263001	47.8441124	0.001034574	0.00095411	5.18269E-06	0.007914157	0.002196453	0.071178071	0.017954472	5.83865E-06	22.45210266	2.86718E-05	0.000392806	0.000229523
2054 Jul	188.2806091	0.326409042	0.517397523	0.011056054	56.14262772	0.051205851	47.76904297	0.001034088	0.000953869	5.18089E-06	0.007911882	0.002196011	0.071102373	0.017973676	5.83713E-06	22.44628716	2.86599E-05	0.000393078	0.000229738
2054 Aug	188.3101196	0.326296926	0.517170727	0.011051949	56.14819336	0.051229011	47.77809525	0.001034537	0.000954356	5.18343E-06	0.007915694	0.002197435	0.071128301	0.017990535	5.84036E-06	22.45802689	2.86707E-05	0.000393447	0.000229912
2054 Sep	188.2767029	0.326112956	0.516823053	0.011045196	56.13371277	0.051233944	47.77066422	0.00103468	0.000954555	5.18439E-06	0.00791721	0.002198033	0.07112959	0.018001089	5.84169E-06	22.46260262	2.86725E-05	0.000393661	0.000230009
2054 Oct	188.1491394	0.325791329	0.516237259	0.011033357	56.08954239	0.051213764	47.73952484	0.001034358	0.000954328	5.18299E-06	0.007915556	0.00219756	0.07109639	0.018003535	5.84033E-06	22.45680237	2.86623E-05	0.000393682	0.000230002
2054 Nov	188.1006317	0.325672805	0.516018927	0.011028956	56.07242966	0.051206365	47.72756195	0.001034256	0.00095426	5.18256E-06	0.007915054	0.002197387	0.071083792	0.018004723	5.83989E-06	22.45484543	2.86586E-05	0.000393691	0.000230001
2054 Dec	188.1042633	0.325679123	0.516028643	0.011029165	56.0735054	0.051207397	47.72846603	0.001034277	0.00095428	5.18266E-06	0.007915216	0.00219743	0.071085148	0.018005088	5.84001E-06	22.45529175	2.86591E-05	0.000393698	0.000230006
2055 Jan	188.104538	0.325679541	0.516029179	0.011029177	56.07358551	0.051207483	47.72852707	0.001034279	0.000954282	5.18267E-06	0.007915231	0.002197434	0.07108523	0.018005144	5.84002E-06	22.45534325	2.86592E-05	0.000393699	0.000230007
2055 Feb	188.1047668	0.325679898	0.516029656	0.011029187	56.07364655	0.051207535	47.72857285	0.00103428	0.000954283	5.18268E-06	0.007915241	0.002197437	0.071085289	0.01800519	5.84003E-06	22.45538902	2.86592E-05	0.0003937	0.000230007
2055 Mar	188.1072235	0.32568413	0.516036272	0.011029329	56.07437897	0.051208202	47.72919083	0.001034294	0.000954296	5.18275E-06	0.007915344	0.002197466	0.071086213	0.018005442	5.8401E-06	22.45569229	2.86596E-05	0.000393705	0.000230011
2055 Apr	188.1269531	0.325718254	0.516090453	0.011030486	56.08026123	0.05121357	47.73419189	0.001034403	0.000954396	5.18329E-06	0.007916175	0.002197697	0.071093664	0.018007338	5.84071E-06	22.45805359	2.86626E-05	0.000393746	0.000230035
2055 May	188.2110748	0.325863898	0.516321182	0.011035416	56.10533905	0.051236469	47.75553513	0.001034865	0.000954823	5.18561E-06	0.007919715	0.002198679	0.071125448	0.018015392	5.84333E-06	22.46809959	2.86754E-05	0.000393922	0.000230138
2055 Jun	187.0768433	0.323180765	0.511784315	0.010944097	55.70724487	0.051010214	47.46920395	0.00103279	0.000953471	5.17645E-06	0.007907549	0.002192633	0.070808135	0.018004736	5.83311E-06	22.39599419	2.86098E-05	0.000393637	0.000229713
2055 Jul	186.7477417	0.322264731	0.510231435	0.010913343	55.58985519	0.050955977	47.38505554	0.001032615	0.000953545	5.17614E-06	0.007907847	0.002191621	0.070723668	0.018009584	5.83284E-06	22.37921333	2.86029E-05	0.000393769	0.000229642
2055 Aug	186.989563	0.322623193	0.510793269	0.010925529	55.66384506	0.051026233	47.4473877	0.00103391	0.000954753	5.18274E-06	0.007917945	0.002194645	0.070817761	0.018033644	5.84048E-06	22.40794182	2.86392E-05	0.000394328	0.000229933
2055 Sep	186.9509277	0.322450966	0.510481238	0.010919452	55.65132141	0.051028799	47.43796539	0.001033948	0.000954841	5.18312E-06	0.00791869	0.002194835	0.070811786	0.018036911	5.84107E-06	22.40731049	2.86386E-05	0.00039443	0.000229926
2055 Oct	186.9639282	0.322442263	0.510448933	0.010918965	55.65452194	0.051036727	47.44145584	0.001034114	0.000955012	5.18401E-06	0.007920244	0.002195214	0.07081987	0.018040761	5.84213E-06	22.41039848	2.8643E-05	0.000394521	0.000229959
2055 Nov	186.9738922	0.32245332	0.510462105	0.010919289	55.65738297	0.051040418	47.44400787	0.001034188	0.000955083	5.18439E-06	0.007920873	0.002195376	0.070824236	0.018042246	5.84257E-06	22.41190529	2.8645E-05	0.000394555	0.000229974
2055 Dec	186.9751587	0.322454482	0.510463238	0.01091932	55.65772247	0.051040906	47.44433212	0.001034198	0.000955094	5.18445E-06	0.007920962	0.002195399	0.070824824	0.018042462	5.84263E-06	22.41211128	2.86453E-05	0.00039456	0.000229976
2056 Jan	186.9758453	0.322455525	0.510464728	0.010919353	55.65790939	0.051041134	47.44449997	0.001034203	0.000955099	5.18448E-06	0.007921005	0.00219541	0.070825092	0.018042583	5.84266E-06	22.41223335	2.86454E-05	0.000394562	0.000229978
2056 Feb	186.9766083	0.322456777	0.510466516	0.010919393	55.65813065	0.051041339	47.44467926	0.001034208	0.000955103	5.1845E-06	0.007921038	0.00219542	0.070825368	0.018042695	5.84269E-06	22.41235161	2.86456E-05	0.000394564	0.00022998
2056 Mar	186.9799347	0.322462469	0.510475457	0.010919584	55.65911484	0.05104224	47.44551468	0.001034226	0.00095512	5.18459E-06	0.00792118	0.002195459	0.070826612	0.018043034	5.84279E-06	22.41276169	2.86461E-05	0.000394571	0.000229984
2056 Apr	187.0031128	0.322502404	0.510538638	0.010920936	55.66601181	0.051048562	47.45138931	0.001034355	0.000955239	5.18523E-06	0.00792216	0.002195731	0.070835374	0.01804528	5.84351E-06	22.41554642	2.86496E-05	0.00039462	0.000230013
2056 May	186.942688	0.322278917	0.510110319	0.010912629	55.63863373	0.051039983	47.42995453	0.00103469	0.000955644	5.18706E-06	0.007924682	0.002196212	0.070815071	0.018065499	5.84535E-06	22.42578316	2.86547E-05	0.000394849	0.000230288
2056 Jun	185.9576263	0.319860309	0.505893886	0.010827128	55.30103683	0.050812706	47.14719391	0.001032648	0.000954276	5.17771E-06	0.00790943	0.002190968	0.070452556	0.018106544	5.83384E-06	22.39773369	2.85807E-05	0.000394686	0.000230898
2056 Jul	186.1661987	0.320119768	0.506283224	0.010835936	55.36251831	0.050876174	47.19878769	0.001034008	0.000955577	5.18468E-06	0.007920072	0.002193947	0.070534021	0.018134518	5.84178E-06	22.42711639	2.86181E-05	0.000395278	0.000231239
2056 Aug	186.3182983	0.320280403	0.506517768	0.010841367	55.40872955	0.050926261	47.23754501	0.001034948	0.000956481	5.18956E-06	0.007927364	0.002196221	0.070595637	0.018154945	5.84747E-06	22.44818878	2.86429E-05	0.000395727	0.000231475
2056 Sep	186.4545135	0.320470363	0.506800354	0.010847574	55.45040512	0.050967216	47.27256012	0.00103569	0.00095718	5.19337E-06	0.007933418	0.002198004	0.070649318	0.018169831	5.85191E-06	22.4652195	2.86643E-05	0.000396071	0.000231652
2056 Oct	186.3279419	0.320149541	0.506221712	0.010835872	55.40817642	0.050944764	47.23996735	0.001035352	0.000956934	5.19187E-06	0.007931555	0.002197412	0.070610918	0.018171534	5.85034E-06	22.45890808	2.86537E-05	0.00039606	0.000231643
2056 Nov	186.3081207	0.320092529	0.506113529	0.010833727	55.40089035	0.050942402	47.23479462	0.001035345	0.000956944	5.19187E-06	0.007931654	0.002197406	0.070605911	0.018173233	5.85036E-06	22.45888329	2.8653E-05	0.000396082	0.000231657
2056 Dec	186.3104248	0.320096523	0.506119609	0.010833859	55.40157318	0.050943084	47.23537064	0.001035359	0.000956957	5.19194E-06	0.007931762	0.002197434	0.070606783	0.018173479	5.85044E-06	22.45917702	2.86533E-05	0.000396087	0.00023166
2057 Jan	186.3113556	0.320098102	0.506121933	0.010833909	55.40184784	0.050943345	47.23559189	0.001035364	0.000956962	5.19197E-06	0.007931805	0.002197446	0.070607118	0.018173592	5.85047E-06	22.45930862	2.86535E-05	0.000396089	0.000231662
2057 Feb	186.3119965	0.320099115	0.506123483	0.010833941	55.40203094	0.050943509	47.23574066	0.001035368	0.000956965	5.19199E-06	0.007931831	0.002197453	0.070607334	0.01817368	5.85049E-06	22.45940018	2.86536E-05	0.00039609	0.000231663
2057 Mar	186.3181152	0.320109636	0.506140053	0.010834296	55.40385056	0.050945181	47.23728943	0.001035402	0.000956997	5.19216E-06	0.007932093	0.002197526	0.070609637	0.018174291	5.85068E-06	22.46014977	2.86545E-05	0.000396104	0.000231671
2057 Apr	186.3426056	0.320151716	0.506206572	0.010835721	55.41113663	0.050951879	47.24349976	0.001035538	0.000957123	5.19284E-06	0.007933136	0.002197815	0.070618927	0.01817669	5.85145E-06	22.46310806	2.86583E-05	0.000396156	0.000231701
2057 May	186.4256439	0.320269942	0.506377161	0.010839518	55.43412781	0.050975416	47.2632637	0.001036106	0.000957665	5.19572E-06	0.007937479	0.002199027	0.070650332	0.018190347	5.85467E-06	22.47682762	2.86734E-05	0.000396403	0.000231884
2057 Jun	185.3785553	0.31768468	0.501860499	0.010748259	55.06858444	0.050738212	46.96688461	0.001034251	0.000956532	5.18744E-06	0.007924329	0.002193933	0.07028228	0.01823597	5.84439E-06	22.4483223	2.86044E-05	0.00039635	0.00023251
2057 Jul	185.4198303	0.317579359	0.501640737	0.010744615	55.07526779	0.050761286	46.97364807	0.001035109	0.000957427	5.19198E-06	0.007931451	0.002195593	0.070305049	0.018259034	5.84949E-06	22.46498489	2.86273E-05	0.000396788	0.000232777
2057 Aug	185.8361664	0.318258286	0.50271064	0.0107676	55.20040512	0.050876945	47.07988358	0.001037375	0.000959527	5.20342E-06	0.007948992	0.002200606	0.070464328	0.018300004	5.86251E-06	22.51493645	2.86909E-05	0.000397704	0.000233292
2057 Sep	185.9555206	0.318414539	0.502945364	0.010772738	55.23814011	0.050912496	47.11112213	0.001037953	0.000960069	5.20642E-06	0.007953845	0.002202136	0.070511542	0.018311802	5.86609E-06	22.52880478	2.87085E-05	0.000397999	0.00023343
2057 Oct	185.9578552	0.318384022	0.502880335	0.01077145	55.24052811	0.050916061	47.1122818	0.001037914	0.00096004	5.2063E-06	0.007953988	0.002202265	0.070513621	0.018312408	5.8661E-06	22.52889442	2.87088E-05	0.000398036	0.000233426
2057 Nov	185.9734802	0.318407983	0.502915859	0.010772225	55.24530029	0.050920736	47.11624908	0.001038	0.000960121	5.20674E-06	0.007954691	0.002202461	0.070519596	0.018314037	5.8666E-06	22.53081703	2.87112E-05	0.000398073	0.000233445
2057 Dec	185.9762268	0.318412721	0.502923071	0.010772382	55.24611282	0.050921526	47.11693573	0.001038017	0.000960136	5.20682E-06	0.007954816	0.002202494	0.070520632	0.018314324	5.86669E-06	22.53116226	2.87116E-05	0.000398079	0.000233448
2058 Jan	185.9763489	0.3184129	0.50292325	0.010772386	55.24614334	0.050921567	47.11695862	0.001038018	0.000960137	5.20682E-06	0.007954825	0.002202496	0.070520662	0.018314358	5.8667E-06	22.53119278	2.87116E-05	0.000398079	0.000233449
2058 Feb	185.9766693	0.318413407	0.502924025	0.010772401	55.24623871	0.050921649	47.11702728	0.00103802	0.000960139	5.20683E-06	0.007954838	0.0022025	0.070520766	0.018314412	5.86671E-06	22.53124619	2.87117E-05	0.00039808	0.00023345
2058 Mar	185.9785309	0.318416595	0.502929032	0.010772509	55.24679184	0.050922155	47.11749649	0.00103803	0.000960149	5.20689E-06	0.007954918	0.002202523	0.070521466	0.018314607	5.86677E-06	22.53148079	2.8712E-05	0.000398084	0.000233452
2058 Apr	185.9936066	0.318442374	0.502969801	0.010773381	55.25127029	0.050926283	47.121315	0.001038114	0.000960227	5.20731E-06	0.007955563	0.002202701	0.070527181	0.018316099	5.86724E-06	22.53331184	2.87143E-05	0.000398116	0.000233471
2058 May	185.9285736	0.318112671	0.502336025	0.010760871	55.20918274	0.050908662	47.10918045	0.001038427	0.000960644	5.2093E-06	0.007959322	0.002204376	0.070541009	0.018352272	5.87013E-06	22.55324554	2.87284E-05	0.000398732	0.000233973
2058 Jun	184.6989899	0.314707041	0.496340811	0.010638556	54.73271561	0.050573975	46.80998611	0.001035186	0.000958367	5.19541E-06	0.007941808	0.002202789	0.070252739	0.018463833	5.85763E-06	22.55491257	2.86689E-05	0.000400147	0.000235641
2058 Jul	184.8070831	0.314726651	0.496326834	0.010638953	54.75938034	0.050607219	46.83809662	0.001036064	0.000959251	5.2001E-06	0.007949444	0.002205166	0.070307009	0.018491454	5.86327E-06	22.57808304	2.86972E-05	0.000400721	0.000235993
2058 Aug	185.0500183	0.315081865	0.496882409	0.010651006	54.83385086	0.050677612	46.90077209	0.001037352	0.000960453	5.20668E-06	0.007959523	0.002208219	0.070401601	0.018515918	5.8709E-06	22.60707474	2.87336E-05	0.000401289	0.000236289
2058 Sep	185.0126648	0.31489554	0.496525437	0.010643917	54.82063293	0.050676744	46.89318848	0.001037279	0.000960438	5.20656E-06	0.007960003	0.002208593	0.070399471	0.018522942	5.87115E-06	22.60878563	2.87335E-05	0.000401455	0.00023635
2058 Oct	184.9328613	0.314662278	0.496085674	0.010635096	54.79032898	0.05066321	46.87460327	0.00103714	0.000960368	5.20607E-06	0.007959879	0.002208618	0.070384137	0.01852976	5.87084E-06	22.6085434	2.87305E-05	0.00040157	0.000236415
2058 Nov	184.9394379	0.314663082	0.496078402	0.010635009	54.79148483	0.050666008	46.87649918	0.001037212	0.000960442	5.20645E-06	0.007960548	0.002208808	0.070388466	0.018532075	5.87131E-06	22.61041832	2.87326E-05	0.000401617	0.000236442
2058 Dec	184.9406586	0.314665198	0.496081531	0.010635076	54.79184723	0.050666392	46.87680054	0.00103722	0.000960449	5.20649E-06	0.00796061	0.002208823	0.070388921	0.018532215	5.87135E-06	22.61058235	2.87328E-05	0.000401619	0.000236444
2059 Jan	184.9406891	0.314665228	0.496081412	0.010635075	54.79184723	0.05066641	46.87679672	0.001037221	0.00096045	5.2065E-06	0.007960615	0.002208824	0.070388913	0.018532243	5.87135E-06	22.61060333	2.87328E-05	0.00040162	0.000236444
2059 Feb	184.9410248	0.314665765	0.496082187	0.010635091	54.79194641	0.050666492	46.8768692	0.001037223	0.000960452	5.20651E-06	0.007960629	0.002208828	0.070389017	0.0185323	5.87137E-06	22.61066055	2.87328E-05	0.000401621	0.000236445
2059 Mar	184.9412079	0.314666033	0.496082604	0.0106351	54.79199982	0.050666537	46.87690735	0.001037224	0.000960453	5.20651E-06	0.007960636	0.002208831	0.070389077	0.018532332	5.87137E-06	22.61069298	2.87329E-05	0.000401621	0.000236445
2059 Apr	184.9590912	0.314696431	0.496130496	0.010636127	54.7972908	0.050671432	46.88143921	0.001037324	0.000960546	5.20702E-06	0.007961405	0.002209044	0.070395872	0.018534131	5.87194E-06	22.61288261	2.87356E-05	0.00040166	0.000236468
2059 May	184.9668884	0.314611346	0.495931655	0.010632398	54.7901268	0.050674271	46.8823967	0.001037725	0.000960981	5.20919E-06	0.00796488	0.002210217	0.07040929	0.01855682	5.87452E-06	22.6283741	2.87472E-05	0.00040201	0.000236787

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2059 Jun	184.5499573	0.313324928	0.493568718	0.010584695	54.62039185	0.050565284	46.77116394	0.001037204	0.000960842	5.20753E-06	0.007963379	0.002210936	0.070304148	0.018628448	5.87346E-06	22.65176392	2.87381E-05	0.000402875	0.000237841
2059 Jul	184.9210663	0.313907623	0.49447915	0.010604395	54.73036575	0.050668657	46.86552429	0.001039319	0.000962816	5.21823E-06	0.007979886	0.002215593	0.070447981	0.018668275	5.88563E-06	22.69839478	2.8798E-05	0.000403752	0.000238343
2059 Aug	185.2431793	0.314422846	0.495288521	0.010621816	54.82713318	0.050758515	46.94787598	0.001041073	0.000964445	5.2271E-06	0.007993515	0.002219525	0.070571974	0.018700672	5.89577E-06	22.7374115	2.88474E-05	0.000404476	0.000238749
2059 Sep	185.3298187	0.314511061	0.495404482	0.010624478	54.85545731	0.050786987	46.97080231	0.001041478	0.000964833	5.22925E-06	0.007997217	0.002220733	0.070607215	0.018710041	5.89844E-06	22.74774551	2.88603E-05	0.00040472	0.000238849
2059 Oct	184.9761047	0.313675761	0.493870705	0.010593169	54.73478699	0.050714269	46.88375854	0.001040281	0.000963879	5.22376E-06	0.007990645	0.002218959	0.07050655	0.018713536	5.8928E-06	22.72984123	2.88279E-05	0.00040467	0.000238835
2059 Nov	184.9392242	0.313576937	0.493673891	0.010589243	54.72028351	0.050708678	46.87471771	0.001040251	0.00096388	5.22369E-06	0.007990834	0.002218979	0.070498869	0.018717473	5.89279E-06	22.73044014	2.88267E-05	0.000404723	0.000238875
2059 Dec	184.9400177	0.313578188	0.49367547	0.010589279	54.72049713	0.050708957	46.87491608	0.001040258	0.000963886	5.22372E-06	0.007990886	0.002218992	0.070499204	0.018717607	5.89283E-06	22.73057747	2.88268E-05	0.000404726	0.000238877
2060 Jan	184.9407043	0.313579202	0.493676811	0.01058931	54.72067642	0.050709166	46.87508011	0.001040263	0.000963891	5.22375E-06	0.007990926	0.002219003	0.07049948	0.018717738	5.89286E-06	22.73070335	2.88269E-05	0.000404728	0.000238878
2060 Feb	184.9416199	0.313580662	0.493679017	0.010589357	54.72094345	0.050709404	46.87530136	0.001040268	0.000963896	5.22377E-06	0.007990965	0.002219014	0.070499808	0.018717855	5.89289E-06	22.73083305	2.88271E-05	0.00040473	0.00023888
2060 Mar	184.9447174	0.313585877	0.493687242	0.010589533	54.72185516	0.05071025	46.87607956	0.001040285	0.000963912	5.22386E-06	0.007991099	0.002219052	0.070500977	0.018718183	5.89299E-06	22.73122406	2.88276E-05	0.000404737	0.000238884
2060 Apr	184.9699097	0.313628554	0.493754387	0.010590974	54.72930908	0.050717153	46.88246155	0.001040427	0.000964044	5.22457E-06	0.007992188	0.002219354	0.070510574	0.01872074	5.89379E-06	22.7343235	2.88315E-05	0.000404792	0.000238917
2060 May	184.8135071	0.313097805	0.492699981	0.010569931	54.65691757	0.050679136	46.83774185	0.001040598	0.000964386	5.22587E-06	0.00799474	0.002220521	0.070475325	0.018769246	5.89549E-06	22.75815582	2.88357E-05	0.000405385	0.000239617
2060 Jun	184.0831604	0.31109947	0.489015758	0.010494999	54.38422775	0.050487909	46.6318779	0.001039014	0.000963395	5.21907E-06	0.007985483	0.002219188	0.070235133	0.018858921	5.88828E-06	22.77669334	2.87919E-05	0.000406106	0.000241003
2060 Jul	184.4186096	0.311590254	0.489762753	0.010511353	54.4821167	0.050582178	46.71635818	0.001041013	0.000965279	5.22923E-06	0.008001235	0.002223671	0.070366301	0.018900575	5.89988E-06	22.82246208	2.88486E-05	0.000406984	0.000241535
2060 Aug	184.5673981	0.311724037	0.48994121	0.010515599	54.52764511	0.050631251	46.75508499	0.001041861	0.0009661	5.23371E-06	0.008008139	0.002225993	0.070429131	0.018921854	5.90526E-06	22.84384346	2.88723E-05	0.000407468	0.000241781
2060 Sep	184.2138062	0.310828447	0.488332868	0.010482945	54.40924072	0.050564535	46.66202545	0.001040846	0.00096534	5.22912E-06	0.008001007	0.002224325	0.070317797	0.018931208	5.90036E-06	22.83016396	2.88342E-05	0.000407448	0.000241846
2060 Oct	184.0767975	0.310483247	0.487673789	0.010469664	54.36082458	0.050541714	46.62686539	0.001040549	0.000965148	5.22786E-06	0.007999641	0.002223911	0.070279479	0.018938286	5.89909E-06	22.82730675	2.8823E-05	0.000407503	0.000241903
2060 Nov	184.022522	0.310354143	0.487427622	0.010464691	54.34155655	0.050532285	46.61322784	0.001040422	0.00096506	5.2273E-06	0.007999017	0.002223713	0.070264667	0.018940305	5.89852E-06	22.82569695	2.88184E-05	0.000407514	0.000241915
2060 Dec	184.0247955	0.310357571	0.487432241	0.010464794	54.34216309	0.050533019	46.61380005	0.001040439	0.000965076	5.22738E-06	0.007999151	0.002223749	0.070265636	0.018940678	5.89862E-06	22.82607651	2.88188E-05	0.000407521	0.00024192
2061 Jan	184.0246429	0.310356975	0.487430751	0.010464767	54.34206772	0.050533023	46.6137619	0.00104044	0.000965078	5.22739E-06	0.007999166	0.002223753	0.070265636	0.018940777	5.89863E-06	22.82613754	2.88188E-05	0.000407522	0.000241921
2061 Feb	184.024765	0.310356975	0.487430543	0.010464763	54.34208298	0.050533056	46.61377716	0.001040442	0.000965079	5.2274E-06	0.007999177	0.002223757	0.070265673	0.018940847	5.89864E-06	22.82619095	2.88188E-05	0.000407523	0.000241922
2061 Mar	184.0264282	0.310359746	0.487434864	0.010464856	54.34257126	0.050533511	46.61419678	0.001040451	0.000965088	5.22745E-06	0.007999251	0.002223777	0.070266306	0.018941039	5.89869E-06	22.8264122	2.88191E-05	0.000407527	0.000241925
2061 Apr	184.0505524	0.310400397	0.487498671	0.010466225	54.3496933	0.050540131	46.62029648	0.001040588	0.000965215	5.22813E-06	0.008000298	0.002224069	0.070275508	0.01894353	5.89946E-06	22.82941055	2.88229E-05	0.000407581	0.000241956
2061 May	183.8708038	0.309818566	0.486354142	0.010443293	54.26889801	0.050495587	46.5693512	0.001040656	0.000965469	5.22893E-06	0.008001705	0.002225115	0.070232563	0.018993793	5.90062E-06	22.85339737	2.88218E-05	0.000408171	0.000242686
2061 Jun	182.8610229	0.307230026	0.481700033	0.01034792 3	53.9086647	0.050229728	46.29681778	0.001037521	0.000963077	5.21458E-06	0.007980751	0.002221307	0.069903709	0.019067751	5.88541E-06	22.845541	2.8735E-05	0.000408554	0.000243865
2061 Jul	183.1593018	0.30763799	0.482312888	0.01036148	53.99549484	0.050315153	46.37210846	0.001039328	0.00096479	5.22381E-06	0.007995033	0.002225454	0.070022032	0.019106967	5.896E-06	22.88743591	2.87862E-05	0.000409379	0.000244362
2061 Aug	183.480545	0.308142126	0.483101308	0.01037849	54.09182739	0.050405223	46.45425797	0.001041088	0.000966429	5.23273E-06	0.008008741	0.002229438	0.070146233	0.019140285	5.90621E-06	22.9269352	2.88358E-05	0.000410119	0.00024478
2061 Sep	183.565979	0.308228582	0.483222842	0.010381234	54.11984253	0.050432131	46.47710037	0.001041463	0.000966785	5.23473E-06	0.00801212	0.002230605	0.070181146	0.019149017	5.90872E-06	22.93674469	2.88482E-05	0.000410355	0.000244875
2061 Oct	183.2557678	0.307510614	0.481928349	0.010354633	54.01788712	0.050364684	46.40129471	0.001040199	0.000965725	5.22881E-06	0.008004506	0.002228699	0.070088774	0.019145548	5.90259E-06	22.91648674	2.88146E-05	0.00041021	0.000244784
2061 Nov	183.1501312	0.307261437	0.481463343	0.010345174	53.98036575	0.050343018	46.37556839	0.001039887	0.000965487	5.2274E-06	0.00800288	0.00222827	0.070060752	0.019148465	5.90117E-06	22.91253853	2.88056E-05	0.000410223	0.000244804
2061 Dec	183.1515045	0.307263315	0.481465518	0.010345225	53.98069763	0.05034348	46.37591934	0.001039899	0.000965498	5.22746E-06	0.008002974	0.002228294	0.070061378	0.019148743	5.90123E-06	22.91280365	2.88059E-05	0.000410228	0.000244807
2062 Jan	183.1517181	0.307263255	0.481464893	0.010345216	53.98070145	0.050343573	46.37597656	0.001039902	0.000965502	5.22748E-06	0.008003006	0.002228303	0.07006155	0.019148888	5.90126E-06	22.91291428	2.88059E-05	0.00041023	0.000244809
2062 Feb	183.1525726	0.307264626	0.481466919	0.010345259	53.98094559	0.0503438	46.37617874	0.001039907	0.000965506	5.2275E-06	0.008003044	0.002228315	0.070061855	0.019149013	5.90128E-06	22.91304398	2.88061E-05	0.000410233	0.000244811
2062 Mar	183.1596222	0.307276398	0.481485337	0.010345655	53.98302078	0.050345734	46.37796021	0.001039948	0.000965544	5.2277E-06	0.008003353	0.002228401	0.070064545	0.019149769	5.90151E-06	22.91394043	2.88072E-05	0.000410249	0.00024482
2062 Apr	183.1850281	0.307319015	0.481552064	0.010347089	53.99050903	0.050352715	46.38439178	0.001040092	0.000965678	5.22843E-06	0.008004463	0.00222871	0.070074253	0.019152435	5.90233E-06	22.9171257	2.88112E-05	0.000410306	0.000244854
2062 May	183.2557678	0.307437658	0.481737942	0.010351083	54.01135254	0.050372154	46.40229797	0.001040493	0.000966051	5.23045E-06	0.008007553	0.002229571	0.070101306	0.019159833	5.90461E-06	22.9259758	2.88223E-05	0.000410464	0.000244949
2062 Jun	182.4085388	0.305420995	0.478250802	0.010280936	53.71018219	0.050185688	46.18577576	0.001038958	0.000965068	5.22369E-06	0.007999627	0.002225309	0.069860131	0.019163229	5.89705E-06	22.88033104	2.8777E-05	0.000410359	0.000244821
2062 Jul	181.9944763	0.304328173	0.476364791	0.010243387	53.56235886	0.050103109	46.07883453	0.001038523	0.000964931	5.22213E-06	0.007998539	0.002223752	0.069746591	0.019170204	5.89534E-06	22.86060143	2.87636E-05	0.000410456	0.000244787
2062 Aug	181.9641571	0.304101974	0.47595644	0.010235672	53.54977798	0.050114192	46.07189941	0.001038848	0.000965321	5.22405E-06	0.008001301	0.002224546	0.069750294	0.019180467	5.89773E-06	22.86462402	2.87682E-05	0.000410699	0.000244845
2062 Sep	181.7644043	0.303595811	0.475058079	0.010217634	53.48358536	0.050082725	46.02290344	0.001038367	0.000964982	5.22196E-06	0.007998716	0.002223565	0.069696121	0.019177282	5.8956E-06	22.85078239	2.87512E-05	0.000410655	0.000244711
2062 Oct	180.879364	0.301769823	0.471814841	0.010151441	53.19605255	0.049910419	45.80316162	0.001035407	0.00096253	5.20784E-06	0.00798001	0.002216844	0.069421984	0.019136906	5.88E-06	22.77478218	2.86567E-05	0.000409767	0.000243915
2062 Nov	180.855011	0.301715374	0.471698433	0.010149179	53.18688965	0.049909256	45.79695511	0.00103543	0.000962571	5.20799E-06	0.007980454	0.002216806	0.069416359	0.01913801	5.88015E-06	22.77431297	2.86559E-05	0.00040978	0.000243908
2062 Dec	180.857132	0.30171895	0.471703798	0.010149295	53.18751144	0.04990989	45.79748535	0.001035443	0.000962584	5.20806E-06	0.007980558	0.002216833	0.069417171	0.019138252	5.88023E-06	22.77459526	2.86562E-05	0.000409785	0.000243911
2063 Jan	180.8576965	0.301719874	0.471705109	0.010149323	53.18767548	0.049910061	45.79761505	0.001035447	0.000962587	5.20808E-06	0.007980586	0.002216841	0.069417365	0.019138336	5.88025E-06	22.77468491	2.86563E-05	0.000409786	0.000243913
2063 Feb	180.8585052	0.301721156	0.471707046	0.010149365	53.18791199	0.049910273	45.7978096	0.001035452	0.000962592	5.2081E-06	0.00798062	0.002216851	0.069417648	0.019138448	5.88027E-06	22.77480316	2.86565E-05	0.000409788	0.000243914
2063 Mar	180.8601532	0.301723868	0.471711248	0.010149457	53.18839264	0.04991072	45.79822159	0.001035461	0.0009626	5.20815E-06	0.007980693	0.002216872	0.069418266	0.019138636	5.88033E-06	22.77501869	2.86567E-05	0.000409792	0.000243917
2063 Apr	180.8738251	0.301746666	0.471746862	0.010150222	53.19240952	0.049914487	45.8016777	0.001035539	0.000962673	5.20855E-06	0.007981297	0.002217039	0.069423512	0.019140091	5.88077E-06	22.77674675	2.86589E-05	0.000409823	0.000243935
2063 May	180.8029327	0.301531792	0.471307695	0.010141581	53.16281128	0.049902737	45.77873611	0.001035697	0.000962902	5.20947E-06	0.00798281	0.002217295	0.069399521	0.019157564	5.88166E-06	22.78481674	2.86592E-05	0.000409994	0.000244169
2063 Jun	178.999115	0.29749164	0.464135796	0.009994947	52.56459427	0.049465355	45.26249695	0.001030561	0.000958901	5.18483E-06	0.007945237	0.002204992	0.068700105	0.019194266	5.85196E-06	22.71052742	2.84852E-05	0.000408876	0.000244809
2063 Jul	178.8162842	0.296954989	0.463206947	0.009976341	52.50574493	0.049427431	45.20940018	0.001030235	0.000958722	5.1835E-06	0.007943579	0.002204166	0.068632387	0.019200632	5.85039E-06	22.70336342	2.84758E-05	0.000408897	0.000244872
2063 Aug	179.1179504	0.297418594	0.463926494	0.009991937	52.59600067	0.049513485	45.28634644	0.001031925	0.000960302	5.19208E-06	0.007956727	0.002207978	0.06874948	0.019233014	5.8602E-06	22.74116135	2.85228E-05	0.000409611	0.000245274
2063 Sep	179.1672974	0.297435313	0.463927805	0.009992241	52.61248779	0.049534231	45.29920197	0.001032213	0.00096059	5.19365E-06	0.007959244	0.002208835	0.068771072	0.019240331	5.86215E-06	22.74822807	2.85302E-05	0.000409797	0.000245341
2063 Oct	179.0088959	0.297067553	0.463272125	0.009978889	52.56077957	0.049502049	45.25929642	0.001031684	0.000960163	5.19118E-06	0.0079561	0.002207824	0.068722092	0.019237282	5.85952E-06	22.73707008	2.85148E-05	0.000409707	0.000245264
2063 Nov	178.9981232	0.297034979	0.463207603	0.009977622	52.55669785	0.049501035	45.25654984	0.001031689	0.000960178	5.19124E-06	0.007956281	0.00220784	0.068719797	0.019238383	5.85959E-06	22.73718452	2.85147E-05	0.000409725	0.000245272
2063 Dec	179.0020599	0.297041535	0.463217586	0.009977838	52.55784988	0.049502172	45.25753403	0.001031712	0.000960201	5.19136E-06	0.007956466	0.002207889	0.068721294	0.019238824	5.85973E-06	22.73769951	2.85154E-05	0.000409734	0.000245277
2064 Jan	179.0026703	0.297042519	0.463218987	0.009977869	52.55802536	0.049502354	45.25767517	0.001031716	0.000960204	5.19138E-06	0.007956496	0.002207897	0.06872151	0.019238915	5.85975E-06	22.73779488	2.85155E-05	0.000409736	0.000245278
2064 Feb	179.003891	0.297044486	0.463221997	0.009977934	52.55838013	0.049502678	45.25797272	0.001031724	0.000960211	5.19141E-06	0.00795655	0.002207913	0.068721958	0.019239072	5.85979E-06	22.73796844	2.85157E-05	0.000409739	0.00024528
2064 Mar	179.0119324	0.297057807	0.46324271	0.00997838	52.56073761	0.049504898	45.26000214	0.00103177	0.000960254	5.19165E-06	0.007956907	0.002208012	0.068725027	0.019239949	5.86005E-06	22.73899841	2.85169E-05	0.000409757	0.000245292
2064 Apr	179.0265656	0.297082067	0.463280499	0.009979194	52.56503296	0.04950894	45.26369476	0.001031854	0.000960333	5.19207E-06	0.007957557	0.002208192	0.068730637	0.01924153	5.86053E-06	22.74086189	2.85193E-05	0.000409791	0.000245312
2064 May	178.8661041	0.296601832	0.462383509	0.009961148	52.49817657	0.049464833	45.21930695	0.001031746	0.000960369	5.19185E-06	0.007957451	0.002208491	0.068687692	0.01927172	5.86044E-06	22.75209618	2.85161E-05	0.000410127	0.000245758
2064 Jun	177.7485046	0.293789327	0.457418054	0.009859384	52.10084534	0.049154837	44.91719055	0.001028313	0.000957726	5.17599E-06	0.007934232	0.002203611	0.068317652	0.019339573	5.84331E-06	22.73380661	2.84253E-05	0.000410358	0.000246889
2064 Jul	177.9233856	0.293964833	0.457663119	0.009865188	52.15087891	0.049208321	44.96088028	0.001029501	0.000958878	5.18214E-06	0.007943687	0.002206411	0.068389513	0.019368047	5.85043E-06	22.76147461	2.84586E-05	0.000410944	0.000247242
2064 Aug	177.9849243	0.293930709	0.45756954	0.009863804	52.16692734	0.049233906	44.97666168	0.001030063	0.000959456	5.1852E-06	0.00794815	0.002208013	0.068421088	0.019387048	5.85413E-06	22.77646446	2.84727E-05	0.000411316	0.000247466
2064 Sep	177.7602386	0.293338656	0.456514627	0.009842441	52.09028244	0.049190767	44.92013931	0.001029429	0.000958988	5.18239E-06	0.007943957	0.002207135	0.068357453	0.019393099	5.8513E-06	22.76743126	2.84504E-05	0.000411346	0.000247497
2064 Oct	177.7358704	0.2932446	0.45631814	0.009838621	52.07897568	0.04919003	44.91454697	0.001029508	0.000959099	5.1829E-06	0.007945009	0.002207429	0.068356439	0.019399803	5.85198E-06	22.77049065	2.84517E-05	0.000411459	0.000247565
2064 Nov	177.758667	0.2932823	0.456376433	0.009839879	52.0856514	0.0491964	44.92029572	0.001029642	0.000959224	5.18357E-06	0.00794604	0.002207713	0.068365194	0.01940232	5.85274E-06	22.77343369	2.84553E-05	0.000411512	0.000247597
2064 Dec	177.7608643	0.293285936	0.456381947	0.009839999	52.08629227	0.049197037	44.92084122	0.001029655	0.000959236	5.18364E-06	0.007946144	0.002207741	0.068366036	0.019402571	5.85281E-06	22.77372169	2.84557E-05	0.000411517	0.0002476
2065 Jan	177.7612305	0.293286502	0.456382751	0.009840017	52.08640289	0.049197149	44.92092896	0.001029658	0.000959239	5.18365E-06	0.007946163	0.002207746	0.068366162	0.019402627	5.85283E-06	22.77378273	2.84558E-05	0.000411518	0.000247601
2065 Feb	177.7624512	0.293288499	0.456385821	0.009840082	52.08675385	0.04919748	44.92123032	0.001029665	0.000959245	5.18369E-06	0.007946217	0.002207761	0.068366617	0.019402776	5.85287E-06	22.77394867	2.8456E-05	0.000411521	0.000247603
2065 Mar	177.7713013	0.293303072	0.456408441	0.00984057	52.08934402	0.049199924	44.9234581	0.001029716	0.000959293	5.18395E-06	0.007946612	0.002207871	0.068370014	0.01940375	5.85316E-06	22.77508736	2.84574E-05	0.000411541	0.000247615
2065 Apr	177.7969513	0.293345392	0.456474274	0.009841991	52.09686279	0.049207021	44.92993927	0.001029865	0.000959431	5.1847E-06	0.00794776	0.00220819	0.068379872	0.019406553	5.854E-06	22.77837944	2.84615E-05	0.000411601	0.000247651
2065 May	177.7490997	0.293096572	0.455976248	0.009832174	52.06587219	0.049192794	44.91896439	0.00103012	0.000959768	5.18628E-06	0.007950423	0.002209492	0.068385467	0.019437408	5.85618E-06	22.79612923	2.84697E-05	0.000412068	0.000248086
2065 Jun	176.9314423	0.290926367	0.452131301	0.009753592	51.76332092	0.048965249	44.70692062	0.001027756	0.000958016	5.17569E-06	0.007935096	0.002207203	0.068147749	0.019503016	5.84548E-06	22.79276657	2.841E-05	0.000412604	0.000249109
2065 Jul	177.2019196	0.291249931	0.452596307	0.009764188	51.83898163	0.049042966	44.77543259	0.001029531	0.000959722	5.18483E-06	0.007949381	0.002211356	0.068260424	0.01954497	5.85604E-06	22.8348217	2.84612E-05	0.000413475	0.000249641
2065 Aug	177.4853058	0.291660428	0.453227967	0.009777949	51.92454147	0.049124956	44.84815598	0.001031088	0.000961181	5.19278E-06	0.007961639	0.002215015	0.068371654	0.019575924	5.86523E-06	22.87042046	2.85052E-05	0.000414173	0.000250021
2065 Sep	177.2587738	0.291074634	0.452180654	0.009756534	51.85144424	0.049079563	44.79504013	0.001030123	0.000960381	5.18836E-06	0.007956045	0.002213839	0.068310611	0.019573148	5.86091E-06	22.85481453	2.84802E-05	0.000414132	0.000249924
2065 Oct	176.6694946	0.289756685	0.449762374	0.009707186	51.64772415	0.048956741	44.65510559	0.001028141	0.00095878	5.17918E-06	0.007944926	0.002210688	0.068153948	0.019570261	5.85151E-06	22.81998825	2.84235E-05	0.00041396	0.000249746
2065 Nov	176.5976868	0.28959462	0.449442118	0.009700753	51.62124634	0.048945032	44.63833237	0.001027995	0.000958684	5.17856E-06	0.00794452	0.002210469	0.068137877	0.019572318	5.85093E-06	22.81753159	2.84184E-05	0.000413981	0.000249742
2065 Dec	176.5986481	0.289596051	0.449443966	0.009700795	51.62150192	0.048945371	44.63857269	0.001028003	0.000958692	5.1786E-06	0.007944583	0.002210485	0.068138286	0.01957248	5.85097E-06	22.81769562	2.84186E-05	0.000413985	0.000249744
2066 Jan	176.5990906	0.289596438	0.449443936	0.009700797	51.62157059	0.048945539	44.63869476	0.001028008	0.000958697	5.17863E-06	0.007944627	0.002210497	0.068138547	0.019572634	5.851E-06	22.81782532	2.84187E-05	0.000413987	0.000249746
2066 Feb	176.6018524	0.289600909	0.449450701	0.009700946	51.62237167	0.048946302	44.63938141	0.001028024	0.000958712	5.17871E-06	0.007944752	0.002210532	0.068139613	0.019572979	5.85109E-06	22.81820869	2.84192E-05	0.000413994	0.00024975
2066 Mar	176.6152496	0.289622843	0.449484706	0.009701679	51.62628555	0.048950009	44.64276505	0.001028102	0.000958785	5.17911E-06	0.007945356	0.0022107	0.068144768	0.01957448	5.85154E-06	22.81995201	2.84213E-05	0.000414026	0.00024977

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2066 Apr	176.6327362	0.289651483	0.449529141	0.009702638	51.63139343	0.048954852	44.64717865	0.001028204	0.00095888	5.17962E-06	0.007946141	0.002210919	0.068151511	0.019576425	5.85212E-06	22.82221603	2.84241E-05	0.000414067	0.000249795
2066 May	176.6905975	0.289732635	0.449641526	0.00970516	51.64698792	0.048971348	44.66145706	0.0010286	0.000959259	5.18163E-06	0.007949268	0.002211803	0.068174943	0.019586239	5.8544E-06	22.83198357	2.84349E-05	0.000414251	0.000249923
2066 Jun	175.6047974	0.287191868	0.445122421	0.009613384	51.26800537	0.048715748	44.37577438	0.001025842	0.000957215	5.16894E-06	0.007932559	0.00220603	0.067832336	0.019607736	5.84025E-06	22.78578186	2.83525E-05	0.000414045	0.000250139
2066 Jul	175.8009186	0.287344009	0.445290238	0.009618113	51.31941605	0.048781957	44.42407227	0.001027554	0.000958904	5.17782E-06	0.007946669	0.002209678	0.067920282	0.019646592	5.85039E-06	22.82153511	2.83999E-05	0.000414855	0.000250592
2066 Aug	176.0858307	0.287757576	0.445926726	0.009631992	51.40506744	0.04886445	44.49712753	0.00102914	0.000960392	5.18591E-06	0.007959123	0.00221338	0.068032198	0.019678162	5.85973E-06	22.85761642	2.84445E-05	0.000415559	0.00025098
2066 Sep	176.1023407	0.287695825	0.445785344	0.009629369	51.4103508	0.04887699	44.5030899	0.001029279	0.000960554	5.1868E-06	0.007961083	0.002214063	0.068046577	0.01968441	5.86104E-06	22.86188316	2.845E-05	0.00041574	0.000251025
2066 Oct	175.9245911	0.287281692	0.445030063	0.009614081	51.34996796	0.048843794	44.46139145	0.001028741	0.000960134	5.18437E-06	0.007958492	0.002213128	0.068001121	0.01968094	5.85859E-06	22.84934616	2.8435E-05	0.000415688	0.000250911
2066 Nov	175.8716125	0.287155122	0.444796056	0.009609369	51.3310318	0.048834171	44.44950485	0.001028606	0.000960036	5.18378E-06	0.007957994	0.002212925	0.067989819	0.019680759	5.85805E-06	22.84619331	2.84315E-05	0.000415694	0.000250885
2066 Dec	175.8756561	0.287161767	0.444806099	0.009609587	51.33221054	0.048835348	44.45051575	0.001028631	0.000960059	5.18391E-06	0.007958187	0.002212977	0.067991368	0.01968123	5.85819E-06	22.846735	2.84321E-05	0.000415703	0.000250891
2067 Jan	175.8766327	0.287163347	0.444808394	0.009609637	51.33249283	0.048835631	44.45074844	0.001028637	0.000960065	5.18394E-06	0.007958234	0.00221299	0.067991734	0.019681368	5.85822E-06	22.84688187	2.84323E-05	0.000415706	0.000250893
2067 Feb	175.8789978	0.287167162	0.444814235	0.009609763	51.3331871	0.04883628	44.45133591	0.001028651	0.000960078	5.18401E-06	0.007958341	0.00221302	0.067992628	0.01968166	5.8583E-06	22.84720802	2.84327E-05	0.000415712	0.000250897
2067 Mar	175.8855591	0.287177831	0.444830716	0.009610119	51.33509445	0.048838094	44.45298767	0.00102869	0.000960114	5.1842E-06	0.007958638	0.002213103	0.067995146	0.019682407	5.85852E-06	22.84806824	2.84337E-05	0.000415727	0.000250907
2067 Apr	175.899765	0.287200987	0.444866568	0.009610894	51.3392334	0.048842032	44.45656967	0.001028773	0.000960192	5.18462E-06	0.00795928	0.002213282	0.06800063	0.019684006	5.85899E-06	22.84991837	2.8436E-05	0.000415761	0.000250927
2067 May	175.8835754	0.287057072	0.444546282	0.009604833	51.32283401	0.048841171	44.4502449	0.001029236	0.000960707	5.18713E-06	0.007963383	0.002214419	0.068006091	0.019708982	5.86186E-06	22.86579323	2.84476E-05	0.000416126	0.000251262
2067 Jun	175.2405548	0.285405517	0.44156757	0.009544443	51.08948517	0.048678719	44.27554703	0.001027827	0.000959773	5.18092E-06	0.007955112	0.002212209	0.067801662	0.019754302	5.85509E-06	22.85976601	2.84065E-05	0.0004164	0.000251915
2067 Jul	175.5734711	0.285881996	0.442287326	0.009560331	51.1859436	0.048774797	44.35957718	0.001029891	0.000961726	5.19143E-06	0.007971338	0.00221677	0.067933768	0.019796565	5.86706E-06	22.90576172	2.8464E-05	0.000417294	0.000252442
2067 Aug	175.7503357	0.286079049	0.442578822	0.009566985	51.23944855	0.04883153	44.40553665	0.001030942	0.000962733	5.19689E-06	0.007979539	0.002219384	0.068006523	0.019819418	5.87347E-06	22.92964745	2.84923E-05	0.000417803	0.000252707
2067 Sep	175.7834625	0.286041796	0.442473441	0.009565176	51.2477417	0.048848171	44.41557312	0.00103124	0.000963047	5.19857E-06	0.007982511	0.002220399	0.068028778	0.019830357	5.87566E-06	22.93811989	2.85011E-05	0.000418056	0.000252818
2067 Oct	175.4760437	0.28532213	0.441159248	0.009538488	51.14045715	0.048785646	44.34285736	0.001030303	0.000962318	5.19432E-06	0.007977492	0.002218966	0.067949824	0.019831173	5.8714E-06	22.92116356	2.84742E-05	0.000418018	0.000252746
2067 Nov	175.4290466	0.285206378	0.440934092	0.009533989	51.12274551	0.048778091	44.33193207	0.001030232	0.000962282	5.19405E-06	0.007977412	0.002218887	0.067940101	0.019833408	5.87118E-06	22.92006111	2.84715E-05	0.00041805	0.000252755
2067 Dec	175.4337006	0.285213858	0.440945327	0.009534235	51.12409973	0.048779447	44.33309555	0.00103026	0.000962309	5.19419E-06	0.007977637	0.002218948	0.067941904	0.019833962	5.87134E-06	22.92068863	2.84723E-05	0.000418061	0.000252762
2068 Jan	175.4350891	0.285216123	0.440948606	0.009534307	51.12450027	0.048779842	44.33343506	0.001030269	0.000962317	5.19424E-06	0.007977703	0.002218966	0.067942411	0.01983415	5.87139E-06	22.92089081	2.84725E-05	0.000418065	0.000252764
2068 Feb	175.4369812	0.285219103	0.440953195	0.009534405	51.12504959	0.048780359	44.33389664	0.00103028	0.000962327	5.19429E-06	0.007977788	0.00221899	0.067943119	0.019834394	5.87145E-06	22.92115974	2.84728E-05	0.000418069	0.000252767
2068 Mar	175.4487457	0.285238236	0.44098267	0.009535043	51.12847519	0.048783626	44.33686829	0.001030349	0.000962392	5.19464E-06	0.007978323	0.002219139	0.067947663	0.01983574	5.87184E-06	22.92271042	2.84747E-05	0.000418098	0.000252785
2068 Apr	175.4954834	0.285314202	0.441100091	0.009537581	51.14209747	0.048796616	44.34867096	0.001030624	0.000962648	5.19603E-06	0.007980448	0.002219731	0.067965753	0.019841034	5.87341E-06	22.92882347	2.84823E-05	0.000418209	0.000252852
2068 May	175.4406433	0.285079211	0.440612704	0.009528023	51.11214447	0.048783537	44.33129501	0.001030915	0.000963019	5.19771E-06	0.007983169	0.002220682	0.067955911	0.019869944	5.87537E-06	22.94520569	2.84886E-05	0.000418575	0.000253261
2068 Jun	174.0865631	0.281810313	0.434814692	0.00940917	50.64202118	0.048421044	43.96127701	0.001026675	0.000959698	5.17784E-06	0.007953783	0.002213658	0.067485467	0.019932477	5.8533E-06	22.9106636	2.83669E-05	0.000418449	0.000254313
2068 Jul	174.174408	0.281784624	0.434711128	0.009407938	50.66147614	0.048453618	43.98116302	0.001027704	0.000960746	5.18327E-06	0.007962154	0.002215969	0.067528106	0.019962586	5.85951E-06	22.93460464	2.83945E-05	0.000419006	0.000254684
2068 Aug	174.4925232	0.282259166	0.435435146	0.009423763	50.754879	0.048545312	44.06190872	0.001029584	0.000962515	5.19282E-06	0.007976788	0.002220177	0.067653231	0.020000424	5.87042E-06	22.97698021	2.84462E-05	0.000419814	0.000255155
2068 Sep	174.4965057	0.282171726	0.435246468	0.009420153	50.75645065	0.048555009	44.06414032	0.001029665	0.000962626	5.19342E-06	0.007978252	0.002220749	0.067661844	0.020006789	5.87138E-06	22.98066139	2.84495E-05	0.000419977	0.000255204
2068 Oct	174.4776459	0.282093555	0.435080886	0.009416943	50.74812698	0.048555199	44.05979538	0.001029729	0.000962716	5.19384E-06	0.007979239	0.002220986	0.067660987	0.020011785	5.87195E-06	22.98281288	2.84509E-05	0.000420067	0.00025525
2068 Nov	174.4954224	0.282119781	0.43511793	0.009417771	50.75305176	0.048560571	44.06428528	0.00102985	0.000962831	5.19445E-06	0.0079802	0.002221246	0.067668311	0.020014351	5.87264E-06	22.98550987	2.84541E-05	0.000420119	0.000255281
2068 Dec	174.4991455	0.282125801	0.43512699	0.00941797	50.7541275	0.04856164	44.06521225	0.001029872	0.000962852	5.19457E-06	0.007980377	0.002221294	0.067669742	0.020014789	5.87277E-06	22.9860096	2.84547E-05	0.000420128	0.000255287
2069 Jan	174.4999084	0.282127023	0.435128778	0.009418009	50.75434875	0.048561864	44.06539536	0.001029877	0.000962857	5.19459E-06	0.007980416	0.002221304	0.067670025	0.020014899	5.8728E-06	22.98612595	2.84549E-05	0.00042013	0.000255288
2069 Feb	174.5010986	0.28212893	0.435131639	0.009418069	50.75469208	0.048562184	44.06568909	0.001029884	0.000962863	5.19463E-06	0.00798047	0.002221319	0.067670465	0.020015055	5.87284E-06	22.9862957	2.84551E-05	0.000420133	0.00025529
2069 Mar	174.5018616	0.282130152	0.435133457	0.009418109	50.75491714	0.048562393	44.06587601	0.001029889	0.000962868	5.19465E-06	0.007980504	0.002221329	0.067670748	0.020015154	5.87287E-06	22.98640442	2.84552E-05	0.000420135	0.000255292
2069 Apr	174.513443	0.282148868	0.435162336	0.009418734	50.75828171	0.048565615	44.06880188	0.001029957	0.000962932	5.195E-06	0.007981034	0.002221477	0.06767524	0.02001649	5.87326E-06	22.98793602	2.84571E-05	0.000420163	0.000255309
2069 May	174.6195679	0.282311052	0.435406655	0.009424073	50.78862381	0.048595108	44.0953064	0.001030609	0.000963546	5.19829E-06	0.007986103	0.002222907	0.067716591	0.020030469	5.87699E-06	23.00309753	2.84751E-05	0.000420443	0.00025549
2069 Jun	173.8216858	0.280327559	0.431973487	0.009354884	50.50209808	0.048401367	43.88445663	0.001029161	0.000962641	5.19195E-06	0.007977561	0.002219367	0.067474879	0.020054685	5.86981E-06	22.97382927	2.84314E-05	0.000420501	0.000255755
2069 Jul	173.9241943	0.28031528	0.431896806	0.009354375	50.5248909	0.048439361	43.90931702	0.001030371	0.000963866	5.19832E-06	0.007987738	0.002221915	0.067528516	0.020084107	5.87711E-06	22.99803162	2.84657E-05	0.000421117	0.000256093
2069 Aug	174.1095581	0.280530155	0.43221429	0.009361545	50.58125687	0.048497237	43.95756912	0.001031425	0.000964872	5.20379E-06	0.007996178	0.002224567	0.067604817	0.020106791	5.88357E-06	23.02241707	2.84952E-05	0.000421644	0.000256356
2069 Sep	173.8294983	0.279857129	0.431030631	0.009337531	50.48949051	0.048442919	43.89027786	0.001030502	0.000964134	5.19956E-06	0.007990868	0.002222892	0.067526966	0.020098308	5.87922E-06	23.00029755	2.84687E-05	0.000421508	0.000256147
2069 Oct	173.2856598	0.27872175	0.428989291	0.009296052	50.30912399	0.048336383	43.75527954	0.00102886	0.000962811	5.1918E-06	0.007981088	0.00221906	0.067362852	0.020078661	5.87064E-06	22.95722389	2.84156E-05	0.000421047	0.000255717
2069 Nov	173.2082367	0.278562635	0.428673506	0.009289776	50.28189468	0.048326004	43.73549652	0.001028769	0.000962769	5.19142E-06	0.007980972	0.002218673	0.067340933	0.020078633	5.87016E-06	22.95323181	2.84101E-05	0.000421019	0.000255675
2069 Dec	173.2103424	0.278566033	0.428678393	0.009289884	50.28249359	0.048326649	43.73601151	0.001028783	0.000962783	5.19149E-06	0.007981081	0.002218701	0.06734173	0.020078899	5.87024E-06	22.95352936	2.84105E-05	0.000421024	0.000255679
2070 Jan	173.2102356	0.278565735	0.428677619	0.009289869	50.282444	0.04832666	43.73597717	0.001028784	0.000962784	5.1915E-06	0.007981091	0.002218703	0.067341708	0.02007895	5.87025E-06	22.95355797	2.84105E-05	0.000421024	0.000255679
2070 Feb	173.2102051	0.278565556	0.428677112	0.009289859	50.2824173	0.048326656	43.73595428	0.001028785	0.000962785	5.1915E-06	0.007981095	0.002218704	0.067341693	0.020078994	5.87025E-06	22.95358849	2.84105E-05	0.000421025	0.00025568
2070 Mar	173.2142792	0.278572023	0.428686976	0.009290074	50.28359222	0.048327792	43.73697662	0.001028809	0.000962808	5.19162E-06	0.007981285	0.002218757	0.067343265	0.020079492	5.87039E-06	22.95414352	2.84112E-05	0.000421035	0.000255686
2070 Apr	173.239151	0.278611928	0.42874828	0.009291402	50.29081726	0.048334725	43.74324799	0.001028957	0.000962946	5.19237E-06	0.00798243	0.002219076	0.067352921	0.020082403	5.87123E-06	22.9574585	2.84153E-05	0.000421096	0.000255723
2070 May	173.2020569	0.278455913	0.42840451	0.009284791	50.27161407	0.048330605	43.72825241	0.001029294	0.000963339	5.19418E-06	0.007985276	0.002219688	0.067339748	0.020103179	5.87309E-06	22.96960449	2.84207E-05	0.000421329	0.000256006
2070 Jun	172.5440826	0.276897609	0.425554097	0.009226933	50.04655075	0.048175346	43.5369873	0.001027805	0.000962301	5.18727E-06	0.007975172	0.002216155	0.067088842	0.020137116	5.86459E-06	22.95638657	2.83659E-05	0.000421201	0.000256508
2070 Jul	172.7750702	0.277187407	0.42597416	0.009236467	50.11344147	0.048244569	43.59443665	0.001029319	0.000963752	5.19503E-06	0.007987262	0.002219527	0.067180775	0.020169841	5.87345E-06	22.99025726	2.84082E-05	0.000421885	0.000256911
2070 Aug	173.0005188	0.27748847	0.426432252	0.009246578	50.18170547	0.048312243	43.6524353	0.00103059	0.000964952	5.20156E-06	0.007997238	0.002222573	0.067270294	0.020195926	5.88104E-06	23.01923561	2.84435E-05	0.000422468	0.000257225
2070 Sep	172.7474823	0.276879996	0.425308049	0.009223799	50.09962082	0.048266511	43.58720398	0.001029808	0.000964348	5.19799E-06	0.007992852	0.00222115	0.06718991	0.020195639	5.87723E-06	23.00451851	2.84181E-05	0.000422367	0.000257149
2070 Oct	172.4470825	0.276247144	0.424120635	0.009199695	50.00079346	0.048210986	43.50906754	0.001028934	0.000963659	5.19387E-06	0.007987759	0.002219143	0.067091256	0.02019152	5.87256E-06	22.98547554	2.83872E-05	0.000422141	0.000257013
2070 Nov	172.4271088	0.276199698	0.424023092	0.009197761	49.9937706	0.048208751	43.50377274	0.001028915	0.000963656	5.1938E-06	0.007987814	0.002219085	0.067085445	0.02019247	5.87249E-06	22.98504639	2.83859E-05	0.000422146	0.000257015
2070 Dec	172.428009	0.276201159	0.424025178	0.009197806	49.99403381	0.048209049	43.50399017	0.001028921	0.000963662	5.19383E-06	0.007987864	0.002219097	0.067085788	0.020192591	5.87252E-06	22.9851799	2.8386E-05	0.000422149	0.000257017
2071 Jan	172.4281921	0.276201457	0.424025476	0.009197813	49.9940834	0.048209108	43.50402451	0.001028923	0.000963663	5.19384E-06	0.007987876	0.0022191	0.067085832	0.020192636	5.87253E-06	22.98522186	2.83861E-05	0.000422149	0.000257017
2071 Feb	172.4283142	0.276201606	0.424025625	0.009197817	49.99411774	0.048209134	43.50404358	0.001028924	0.000963664	5.19385E-06	0.007987881	0.002219102	0.067085862	0.020192672	5.87253E-06	22.98525429	2.83861E-05	0.00042215	0.000257018
2071 Mar	172.4292755	0.276203126	0.42402795	0.009197867	49.99439621	0.048209399	43.50428391	0.001028929	0.000963669	5.19387E-06	0.007987927	0.002219115	0.067086227	0.020192798	5.87257E-06	22.98539162	2.83863E-05	0.000422152	0.000257019
2071 Apr	172.440094	0.276220441	0.424054503	0.009198443	49.99753189	0.04821242	43.50701141	0.001028994	0.00096373	5.1942E-06	0.007988427	0.002219254	0.067090429	0.020194072	5.87294E-06	22.98683739	2.8388E-05	0.000422179	0.000257036
2071 May	172.306076	0.275873572	0.423376232	0.009184821	49.94784546	0.048182428	43.46539307	0.001028886	0.00096373	5.19381E-06	0.007987892	0.00221899	0.067038529	0.020213136	5.87227E-06	22.99256325	2.83801E-05	0.000422286	0.000257312
2071 Jun	171.3474579	0.273685575	0.419412434	0.009103833	49.62734222	0.047943305	43.18178177	0.001026295	0.000961767	5.18141E-06	0.007968675	0.00221291	0.066648662	0.020255083	5.85699E-06	22.96858788	2.8288E-05	0.00042184	0.000258027
2071 Jul	171.4149628	0.273658782	0.419309288	0.009102412	49.64428711	0.047968742	43.19478989	0.001027072	0.000962562	5.18551E-06	0.007975191	0.002214601	0.066675439	0.020278659	5.86161E-06	22.98727417	2.83092E-05	0.000422257	0.000258322
2071 Aug	171.6622772	0.274005026	0.419834018	0.009113926	49.71837234	0.048041057	43.25812912	0.001028468	0.000963877	5.19265E-06	0.007986248	0.002217897	0.066773415	0.020307455	5.86988E-06	23.01948738	2.83485E-05	0.000422896	0.000258676
2071 Sep	171.5166321	0.273623794	0.419143379	0.009099939	49.67405319	0.048017032	43.21907425	0.00102798	0.000963498	5.19044E-06	0.007983174	0.002217033	0.066722915	0.020306861	5.8675E-06	23.01048088	2.83316E-05	0.000422832	0.000258623
2071 Oct	171.352951	0.273262799	0.418478996	0.00908642	49.62185287	0.047985516	43.17531204	0.001027459	0.000963081	5.18797E-06	0.007979952	0.00221588	0.066665456	0.020304559	5.8647E-06	22.99986458	2.8314E-05	0.000422702	0.000258558
2071 Nov	171.2664948	0.273085326	0.41812548	0.009079358	49.59217072	0.047972396	43.1510849	0.001027348	0.000963025	5.18748E-06	0.007979496	0.002215397	0.06663534	0.020306429	5.86399E-06	22.99677086	2.83067E-05	0.000422659	0.000258554
2071 Dec	171.2622986	0.273076683	0.418106616	0.009078988	49.59061432	0.047971997	43.14984512	0.001027352	0.000963033	5.1875E-06	0.007979552	0.002215384	0.06663391	0.020306753	5.86401E-06	22.99679565	2.83065E-05	0.00042266	0.000258556
2072 Jan	171.262558	0.273076892	0.418106586	0.00907899	49.59066772	0.047972105	43.14988327	0.001027356	0.000963036	5.18752E-06	0.00797958	0.00221539	0.066633999	0.020306861	5.86403E-06	22.9968853	2.83066E-05	0.000422662	0.000258557
2072 Feb	171.2628632	0.27307725	0.418106884	0.009078998	49.5907402	0.047972195	43.14994431	0.001027358	0.000963039	5.18753E-06	0.007979601	0.002215396	0.066634104	0.020306962	5.86404E-06	22.99697113	2.83067E-05	0.000422663	0.000258559
2072 Mar	171.2639313	0.273078948	0.418109357	0.009079052	49.59104538	0.047972489	43.1502037	0.001027365	0.000963045	5.18756E-06	0.007979651	0.002215411	0.066634499	0.020307111	5.86408E-06	22.99712944	2.83069E-05	0.000422666	0.000258561
2072 Apr	171.2826843	0.27310881	0.418155044	0.009080044	49.59647369	0.047977734	43.15492249	0.001027477	0.000963151	5.18813E-06	0.007980524	0.002215653	0.066641785	0.020309344	5.86472E-06	22.99965286	2.831E-05	0.000422712	0.000258589
2072 May	171.3784637	0.273261368	0.418388575	0.009085115	49.62421036	0.04800456	43.17905045	0.001028052	0.000963689	5.19103E-06	0.007984987	0.002216893	0.066679038	0.020320721	5.868E-06	23.01252747	2.83258E-05	0.000422949	0.000258734
2072 Jun	170.8562622	0.27208665	0.416333497	0.009044111	49.44795227	0.047900848	43.03191757	0.001027426	0.000963387	5.18822E-06	0.007981371	0.002213458	0.066493958	0.02031674	5.86383E-06	22.98140144	2.82947E-05	0.000422615	0.000258552
2072 Jul	170.8317719	0.271875948	0.415929437	0.009036755	49.435009	0.047913432	43.02159882	0.001028099	0.000964125	5.19184E-06	0.00798699	0.002214397	0.066492416	0.020332357	5.86773E-06	22.98966408	2.83082E-05	0.000422896	0.000258684
2072 Aug	170.6487579	0.27136144	0.4150213	0.009018862	49.37584686	0.047897391	42.97241211	0.001027972	0.000964141	5.19152E-06	0.00798581	0.002213703	0.066437304	0.020333087	5.8673E-06	22.97957039	2.82912E-05	0.000422886	0.000258569
2072 Sep	170.4212494	0.270828843	0.414077669	0.00899998	49.30385208	0.047866967	42.91204071	0.001027503	0.000963819	5.1894E-06	0.007982199	0.002212211	0.06636288	0.020326169	5.86477E-06	22.96245956	2.82654E-05	0.000422707	0.000258363
2072 Oct	170.0355835	0.270065188	0.412706047	0.008972093	49.1832962	0.047800604	42.81134033	0.001026305	0.000962835	5.18361E-06	0.007973879	0.002208935	0.066229656	0.020305099	5.85799E-06	22.92768669	2.82185E-05	0.000422195	0.000257947
2072 Nov	169.9826965	0.269959807	0.41250658	0.008968091	49.16632843	0.047793366	42.79730225	0.00102619	0.000962751	5.18307E-06	0.007973178	0.002208542	0.06621182	0.020303162	5.85732E-06	22.9236412	2.82128E-05	0.000422138	0.000257896
2072 Dec	169.9831696	0.269960374	0.412506819	0.008968101	49.1664238	0.047793623	42.79740524	0.001026197	0.000962758	5.1831E-06	0.007973232	0.002208553	0.066212043	0.020303294	5.85736E-06	22.92376137	2.82129E-05	0.000422141	0.000257897
2073 Jan	169.9832306	0.269960344	0.412506372	0.008968094	49.16641617	0.04779369	42.79740524	0.0010262	0.000962761	5.18311E-06	0.007973251	0.002208557	0.066212073	0.020303359	5.85737E-06	22.92381096	2.82129E-05	0.000422142	0.000257898

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2073 Feb	169.9837494	0.269961119	0.412507415	0.008968117	49.16656113	0.047793843	42.7975235	0.001026203	0.000962764	5.18313E-06	0.007973278	0.002208564	0.066212259	0.020303454	5.85739E-06	22.92390442	2.8213E-05	0.000422143	0.000257899
2073 Mar	169.9861908	0.269964963	0.412513256	0.008968244	49.16726303	0.047794521	42.79813385	0.001026218	0.000962778	5.18321E-06	0.007973392	0.002208596	0.066213198	0.02030376	5.85747E-06	22.92424202	2.82134E-05	0.000422149	0.000257903
2073 Apr	170.0275574	0.270030648	0.41261363	0.008970426	49.17922974	0.047806147	42.80854797	0.001026468	0.000963012	5.18447E-06	0.007975332	0.002209134	0.066229306	0.020308709	5.8589E-06	22.92982674	2.82203E-05	0.000422252	0.000257966
2073 May	169.8646393	0.269596428	0.411773771	0.008953677	49.11400986	0.047771532	42.76233673	0.001026452	0.000963131	5.18463E-06	0.007975536	0.002209149	0.066181488	0.020333009	5.85899E-06	22.93772697	2.82128E-05	0.000422474	0.000258288
2073 Jun	169.1378174	0.267858475	0.408634901	0.008889834	48.85838318	0.047594197	42.56066132	0.00102468	0.000961855	5.17645E-06	0.007962928	0.002205662	0.065930679	0.020371033	5.84953E-06	22.92362595	2.81491E-05	0.000422457	0.00025884
2073 Jul	169.2937927	0.267987788	0.408801049	0.008893938	48.90429688	0.047642846	42.60045624	0.001025666	0.000962817	5.18163E-06	0.007971149	0.002208222	0.065996386	0.020396348	5.85568E-06	22.94791031	2.81782E-05	0.000423005	0.000259148
2073 Aug	169.5067596	0.268265396	0.40922007	0.00890322	48.96874619	0.047706947	42.65527725	0.001026868	0.000963955	5.18782E-06	0.007980655	0.002211136	0.06608136	0.020421533	5.8629E-06	22.97559547	2.82119E-05	0.000423568	0.000259451
2073 Sep	169.4478912	0.268051773	0.408821017	0.008895237	48.95029831	0.047701377	42.64115143	0.001026691	0.000963841	5.18715E-06	0.007980002	0.002211152	0.066067666	0.020425254	5.86242E-06	22.97410202	2.82063E-05	0.000423649	0.000259463
2073 Oct	169.15625	0.267421931	0.407669425	0.008871748	48.85419846	0.047643125	42.56716919	0.001025724	0.000963054	5.18258E-06	0.00797389	0.002209217	0.065975375	0.020420521	5.85741E-06	22.95487213	2.81742E-05	0.000423441	0.000259333
2073 Nov	169.1001892	0.267299116	0.407437176	0.008867046	48.83528137	0.0476331	42.55299759	0.001025568	0.000962935	5.18187E-06	0.007973027	0.0022089	0.065958507	0.020420417	5.85663E-06	22.95175743	2.81686E-05	0.000423415	0.000259314
2073 Dec	169.1038208	0.267304927	0.407445729	0.008867233	48.83632278	0.047634173	42.55389404	0.001025591	0.000962957	5.18198E-06	0.007973208	0.002208948	0.065959908	0.020420872	5.85676E-06	22.95226479	2.81692E-05	0.000423424	0.00025932
2074 Jan	169.1043549	0.267305732	0.407446831	0.008867258	48.83647156	0.04763433	42.55401611	0.001025595	0.00096296	5.182E-06	0.007973236	0.002208956	0.065960094	0.020420961	5.85678E-06	22.95235443	2.81693E-05	0.000423426	0.000259321
2074 Feb	169.1046143	0.267306119	0.407447338	0.008867268	48.83655167	0.047634404	42.55407715	0.001025597	0.000962962	5.18201E-06	0.007973249	0.00220896	0.065960176	0.020421023	5.85679E-06	22.95241165	2.81693E-05	0.000423427	0.000259322
2074 Mar	169.1080933	0.267311543	0.407455534	0.008867448	48.8375473	0.047635373	42.55493927	0.001025618	0.000962982	5.18212E-06	0.007973414	0.002209005	0.065961525	0.02042146	5.85691E-06	22.95289421	2.81699E-05	0.000423436	0.000259328
2074 Apr	169.1420898	0.267365277	0.407537431	0.00886923	48.84736252	0.047644947	42.56349564	0.001025824	0.000963175	5.18316E-06	0.007975016	0.00220945	0.065974772	0.020425573	5.85809E-06	22.95751381	2.81756E-05	0.000423521	0.00025938
2074 May	168.9156036	0.266694874	0.406241059	0.008843106	48.75124359	0.047580738	42.50001907	0.001025651	0.00096321	5.18274E-06	0.007974613	0.002210041	0.065912694	0.020474875	5.85786E-06	22.97830009	2.81682E-05	0.000424037	0.000260114
2074 Jun	167.9477997	0.264294297	0.40194416	0.008754687	48.40857315	0.047302604	42.23718643	0.001022327	0.000960567	5.1672E-06	0.007951505	0.002205708	0.065583058	0.020539779	5.84109E-06	22.96717262	2.80775E-05	0.000424198	0.00026123
2074 Jul	168.1955872	0.264596552	0.402381271	0.008764571	48.48027802	0.047374584	42.29948044	0.001023876	0.000962051	5.17518E-06	0.007963964	0.002209359	0.065682702	0.020575726	5.8503E-06	23.0039463	2.8122E-05	0.000424948	0.000261683
2074 Aug	168.5093689	0.265057921	0.403080344	0.008779868	48.57247925	0.047464561	42.37922287	0.001025713	0.000963781	5.18453E-06	0.007978428	0.002213535	0.065806463	0.020613506	5.86101E-06	23.04598236	2.81734E-05	0.000425757	0.000262156
2074 Sep	168.4223175	0.264785022	0.402576089	0.008769607	48.54611969	0.047450215	42.35909271	0.001025286	0.000963432	5.18265E-06	0.007976307	0.002213259	0.065783978	0.02061465	5.85932E-06	23.04098129	2.81633E-05	0.000425798	0.000262137
2074 Oct	168.2680359	0.264410883	0.401869804	0.008755242	48.49162292	0.047417391	42.32202911	0.001024791	0.000963048	5.18042E-06	0.007973849	0.002212673	0.065743856	0.020619329	5.85712E-06	23.03539467	2.81497E-05	0.000425828	0.000262169
2074 Nov	168.2527466	0.26436311	0.401773334	0.008753318	48.48504639	0.047414582	42.31894302	0.001024772	0.000963045	5.18038E-06	0.007973987	0.00221275	0.065742709	0.020621708	5.85716E-06	23.03609657	2.81495E-05	0.000425871	0.000262194
2074 Dec	168.2550049	0.264365613	0.401776016	0.008753385	48.48554993	0.047415264	42.31956863	0.00102479	0.000963063	5.18047E-06	0.00797414	0.002212794	0.065743901	0.020622212	5.85727E-06	23.03655434	2.815E-05	0.000425881	0.0002622
2075 Jan	168.2553558	0.264365822	0.401775897	0.008753385	48.48559952	0.047415372	42.31967163	0.001024794	0.000963067	5.18049E-06	0.007974173	0.002212805	0.065744124	0.02062235	5.8573E-06	23.03666878	2.81501E-05	0.000425884	0.000262202
2075 Feb	168.2563782	0.264367193	0.401777774	0.008753427	48.48585892	0.047415644	42.31992722	0.001024801	0.000963073	5.18052E-06	0.007974227	0.002212821	0.065744556	0.020622535	5.85734E-06	23.03684616	2.81503E-05	0.000425887	0.000262204
2075 Mar	168.2626801	0.264377028	0.401792735	0.008753753	48.48767471	0.047417417	42.3215065	0.001024839	0.000963109	5.18072E-06	0.007974526	0.002212904	0.065747015	0.020623323	5.85756E-06	23.03771973	2.81513E-05	0.000425903	0.000262214
2075 Apr	168.2929688	0.264424652	0.401865065	0.008755329	48.49640656	0.047425956	42.32912445	0.001025024	0.000963283	5.18165E-06	0.007975962	0.002213303	0.065758847	0.020627046	5.85861E-06	23.04187584	2.81564E-05	0.00042598	0.000262262
2075 May	168.338913	0.264441729	0.401847303	0.008755267	48.50321579	0.047437262	42.34196854	0.001025462	0.000963725	5.18397E-06	0.007979772	0.002214579	0.065787159	0.020644983	5.86142E-06	23.05634117	2.81698E-05	0.000426303	0.000262504
2075 Jun	167.579834	0.262574464	0.39866659	0.008690962	48.22011566	0.047241542	42.16952515	0.001023632	0.000962396	5.17593E-06	0.007971138	0.002211574	0.065625004	0.020647129	5.85381E-06	23.01371002	2.81344E-05	0.000426483	0.000262382
2075 Jul	167.4694824	0.262120932	0.39786911	0.008675518	48.17005157	0.047221389	42.14692688	0.001023946	0.000962836	5.17799E-06	0.007975547	0.002212495	0.065624543	0.020663669	5.85663E-06	23.0171299	2.81483E-05	0.000426914	0.000262519
2075 Aug	167.6417084	0.262316942	0.398156524	0.008682035	48.22206116	0.047274817	42.19187927	0.001024935	0.000963781	5.18313E-06	0.007983525	0.002214998	0.065696009	0.020685378	5.86271E-06	23.04016304	2.81764E-05	0.000427414	0.000262772
2075 Sep	167.7079468	0.262361169	0.398200631	0.008683262	48.2418251	0.047297601	42.21009827	0.001025331	0.000964171	5.18526E-06	0.007987151	0.002216145	0.065727413	0.020695345	5.86535E-06	23.04984474	2.81889E-05	0.000427666	0.000262878
2075 Oct	167.6096649	0.262121916	0.39776808	0.008674579	48.20746231	0.0472796	42.1876297	0.001025094	0.000964001	5.18423E-06	0.007986256	0.002215717	0.065705143	0.020693742	5.86437E-06	23.04305649	2.81825E-05	0.000427662	0.00026281
2075 Nov	167.6119995	0.262115598	0.397746474	0.00867422	48.20721054	0.047282044	42.18841934	0.00102517	0.000964081	5.18464E-06	0.007986984	0.002215873	0.065708175	0.020695632	5.86484E-06	23.04444695	2.81843E-05	0.000427702	0.000262826
2075 Dec	167.6143036	0.262118965	0.397750825	0.008674321	48.20783234	0.047282815	42.18899536	0.001025188	0.000964098	5.18473E-06	0.00798713	0.002215909	0.065709159	0.020696005	5.86495E-06	23.04482651	2.81848E-05	0.000427709	0.000262831
2076 Jan	167.6147003	0.262119412	0.397751212	0.008674332	48.20792007	0.047282949	42.18908691	0.001025192	0.000964102	5.18475E-06	0.007987162	0.002215917	0.06570933	0.020696111	5.86497E-06	23.04492188	2.81849E-05	0.000427711	0.000262832
2076 Feb	167.6168671	0.262122691	0.39775607	0.008674438	48.20853043	0.047283553	42.18962097	0.001025205	0.000964115	5.18482E-06	0.007987268	0.002215947	0.065710172	0.02069642	5.86505E-06	23.04524803	2.81853E-05	0.000427717	0.000262836
2076 Mar	167.6228333	0.262131959	0.397770107	0.008674745	48.21024704	0.047285229	42.19111633	0.001025242	0.000964149	5.185E-06	0.007987552	0.002216026	0.065712497	0.020697175	5.86525E-06	23.04607964	2.81863E-05	0.000427732	0.000262846
2076 Apr	167.6403809	0.262159377	0.397811711	0.008675652	48.21529388	0.047290172	42.19552994	0.001025349	0.00096425	5.18555E-06	0.007988389	0.002216258	0.065719366	0.020699352	5.86587E-06	23.04850006	2.81892E-05	0.000427777	0.000262873
2076 May	167.6060638	0.26198864	0.397463053	0.008668965	48.19399261	0.047282159	42.18301773	0.001025738	0.000964695	5.18765E-06	0.007991607	0.002217083	0.065713719	0.02072221	5.86816E-06	23.06201553	2.8198E-05	0.000428077	0.000263191
2076 Jun	166.675354	0.259759843	0.39357844	0.008589729	47.87071991	0.047029726	41.92034531	0.001023342	0.000962915	5.1764E-06	0.007974254	0.002211885	0.065374807	0.020761153	5.85489E-06	23.03609657	2.81246E-05	0.000427892	0.000263856
2076 Jul	166.7589264	0.2597498	0.393520415	0.008589198	47.89308929	0.047057733	41.93988419	0.001024096	0.000963679	5.18042E-06	0.007980678	0.00221374	0.06541197	0.020783352	5.85959E-06	23.0543766	2.81471E-05	0.000428337	0.00026413
2076 Aug	167.0127411	0.260097742	0.394041985	0.008600718	47.96849823	0.047132865	42.00466537	0.001025576	0.00096508	5.188E-06	0.007992375	0.002217205	0.065513067	0.020814408	5.86834E-06	23.08843994	2.81883E-05	0.000429015	0.00026451
2076 Sep	167.086853	0.260163099	0.394119501	0.008602608	47.99160767	0.047157615	42.02408218	0.001025984	0.000965476	5.19017E-06	0.007996009	0.002218356	0.065544404	0.020824621	5.87098E-06	23.09876823	2.82007E-05	0.000429258	0.000264624
2076 Oct	166.8696747	0.25969106	0.393279284	0.008585406	47.92209244	0.047110893	41.96854401	0.001025186	0.000964809	5.18636E-06	0.007990954	0.002216729	0.06547235	0.020817753	5.8668E-06	23.08189774	2.81771E-05	0.00042906	0.000264493
2076 Nov	166.8291016	0.259598881	0.39310804	0.008585195	47.90827942	0.047103114	41.95802307	0.001025088	0.000964739	5.18592E-06	0.007990452	0.002216508	0.065459788	0.02081796	5.8663E-06	23.07979774	2.81737E-05	0.000429046	0.000264485
2076 Dec	166.831955	0.259603292	0.393114269	0.008582089	47.90908051	0.047103982	41.9587326	0.001025108	0.000964758	5.18602E-06	0.007990607	0.002216548	0.065460935	0.020818366	5.86642E-06	23.08023071	2.81742E-05	0.000429054	0.00026449
2077 Jan	166.8320923	0.259603262	0.393113911	0.008582084	47.90908432	0.047104046	41.95875549	0.001025111	0.00096476	5.18603E-06	0.007990628	0.002216554	0.06546101	0.020818455	5.86643E-06	23.08029938	2.81743E-05	0.000429055	0.000264491
2077 Feb	166.8328552	0.259604394	0.39311555	0.008582119	47.90930176	0.047104251	41.9589386	0.001025116	0.000964765	5.18606E-06	0.007990665	0.002216564	0.065461285	0.020818578	5.86646E-06	23.08042336	2.81744E-05	0.000429057	0.000264493
2077 Mar	166.8350525	0.259607792	0.393120646	0.008582232	47.909935	0.047104869	41.95948792	0.001025129	0.000964778	5.18613E-06	0.00799077	0.002216594	0.065462142	0.020818867	5.86654E-06	23.08073807	2.81748E-05	0.000429063	0.000264496
2077 Apr	166.8562469	0.259640753	0.393170536	0.008583321	47.91601563	0.047110848	41.96481323	0.001025259	0.0009649	5.18679E-06	0.007991784	0.002216876	0.06547045	0.020821517	5.86728E-06	23.08367348	2.81784E-05	0.000429118	0.00026453
2077 May	166.8043365	0.259447157	0.392782569	0.00857568	47.8915596	0.047096785	41.94616318	0.001025456	0.00096516	5.1879E-06	0.00799339	0.00221735	0.065451704	0.020842768	5.86841E-06	23.09516907	2.81815E-05	0.000429342	0.000264844
2077 Jun	165.9549408	0.257428765	0.389232963	0.008502932	47.60168839	0.046862431	41.70249176	0.001022942	0.000963208	5.17595E-06	0.007974819	0.002212319	0.06512624	0.020881349	5.85439E-06	23.07364845	2.8105E-05	0.000429102	0.000265546
2077 Jul	166.1822357	0.257700682	0.389612645	0.008511763	47.66435242	0.046929825	41.75741196	0.001024614	0.000964823	5.18451E-06	0.007988073	0.002215869	0.065217189	0.020919338	5.86404E-06	23.1110878	2.81509E-05	0.000429849	0.000266026
2077 Aug	166.4463654	0.258060455	0.3901501	0.008523636	47.74269104	0.047007482	41.82487869	0.001026148	0.000966275	5.19237E-06	0.008000269	0.002219488	0.065322697	0.020951981	5.87314E-06	23.14674759	2.8194E-05	0.000430562	0.000266427
2077 Sep	166.1437531	0.257364452	0.388929337	0.00849863	47.64838028	0.046945054	41.74695587	0.001024967	0.000965285	5.18677E-06	0.007992178	0.002217234	0.065220788	0.020942386	5.86704E-06	23.12302017	2.81568E-05	0.000430298	0.000266239
2077 Oct	166.028717	0.257100284	0.388426393	0.008488516	47.60923767	0.046924978	41.71647263	0.001024724	0.000965121	5.18569E-06	0.007991006	0.002216653	0.065184377	0.020944359	5.8658E-06	23.11811829	2.8147E-05	0.00043027	0.00026623
2077 Nov	166.0422974	0.257118762	0.388451099	0.008489082	47.61299515	0.046929229	41.71986389	0.001024819	0.000965212	5.18617E-06	0.007991776	0.00221686	0.065189987	0.020946484	5.86636E-06	23.12028313	2.81496E-05	0.000430312	0.000266256
2077 Dec	166.0451965	0.257123291	0.388457745	0.008489227	47.61382675	0.04693009	41.72058487	0.001024837	0.00096523	5.18627E-06	0.007991925	0.0022169	0.06519112	0.020946864	5.86646E-06	23.12069702	2.81501E-05	0.00043032	0.000266261
2078 Jan	166.0462036	0.257124841	0.388459951	0.008489276	47.61411285	0.04693038	41.7208252	0.001024844	0.000965236	5.1863E-06	0.007991974	0.002216913	0.065191492	0.020947011	5.8665E-06	23.12085152	2.81502E-05	0.000430323	0.000266263
2078 Feb	166.0471039	0.257126212	0.388461918	0.00848932	47.61436462	0.04693063	41.72104263	0.00102485	0.000965241	5.18633E-06	0.007992017	0.002216926	0.06519182	0.020947145	5.86653E-06	23.12099266	2.81504E-05	0.000430325	0.000266264
2078 Mar	166.0487518	0.257128745	0.388465732	0.008489403	47.61483765	0.046931092	41.72145081	0.00102486	0.000965251	5.18638E-06	0.007992097	0.002216948	0.065192461	0.020947365	5.86659E-06	23.12122917	2.81507E-05	0.00043033	0.000266267
2078 Apr	166.0873718	0.257188499	0.388556033	0.008491376	47.62591553	0.046941999	41.73115158	0.001025098	0.000965475	5.18759E-06	0.007993955	0.002217464	0.065207623	0.020952243	5.86795E-06	23.12661171	2.81572E-05	0.00043043	0.000266329
2078 May	165.7903748	0.256384104	0.3870323	0.008460564	47.50814056	0.046856489	41.64229965	0.001024768	0.000965389	5.18632E-06	0.007991831	0.002217283	0.065104462	0.021003366	5.86635E-06	23.14514923	2.81425E-05	0.00043083	0.000267125
2078 Jun	165.1075287	0.254694104	0.384014368	0.008398481	47.2722702	0.046658747	41.44617081	0.001022511	0.000963611	5.17567E-06	0.007975386	0.002213782	0.064844042	0.021050865	5.85428E-06	23.13869095	2.80775E-05	0.000430836	0.000267976
2078 Jul	165.4006195	0.25509569	0.384612054	0.008411748	47.35747528	0.046743993	41.51999664	0.001024319	0.000965327	5.1849E-06	0.007989644	0.002217882	0.064960271	0.021089738	5.86485E-06	23.18013191	2.81279E-05	0.000431648	0.000268463
2078 Aug	165.5552063	0.2552481	0.384830713	0.008416824	47.40526581	0.04679418	41.56018448	0.001025196	0.000966171	5.1895E-06	0.007996625	0.002220201	0.06502375	0.021110071	5.87034E-06	23.2010479	2.8152E-05	0.000432109	0.000268698
2078 Sep	165.6048584	0.25524351	0.384780794	0.008416174	47.41868973	0.046813991	41.57238388	0.001025607	0.000966591	5.19172E-06	0.008000062	0.002221362	0.065047383	0.02112429	5.873E-06	23.21282005	2.81623E-05	0.000432385	0.000268866
2078 Oct	165.5245514	0.255022258	0.38436985	0.008407822	47.39072418	0.04679694	41.55319214	0.001025326	0.000966376	5.19049E-06	0.007998627	0.002221155	0.065026991	0.021128256	5.87186E-06	23.21064377	2.81551E-05	0.000432432	0.000268905
2078 Nov	165.5148926	0.254987031	0.384296805	0.008406385	47.38640976	0.046795726	41.55086136	0.001025339	0.0009664	5.19059E-06	0.007998875	0.002221244	0.065025896	0.021130787	5.87201E-06	23.21177673	2.81552E-05	0.00043247	0.000268934
2078 Dec	165.5168762	0.25499016	0.384301305	0.008406484	47.38697815	0.046796333	41.55135345	0.001025352	0.000966412	5.19066E-06	0.007998981	0.002221271	0.065026663	0.021131055	5.87209E-06	23.21207047	2.81555E-05	0.000432475	0.000268937
2079 Jan	165.5170593	0.254990429	0.384301573	0.00840649	47.38703156	0.046796396	41.55138397	0.001025354	0.000966414	5.19066E-06	0.007998992	0.002221274	0.065026715	0.021131102	5.8721E-06	23.21211052	2.81556E-05	0.000432476	0.000268938
2079 Feb	165.5171661	0.254990518	0.384301662	0.008406493	47.38705444	0.046796411	41.55139923	0.001025354	0.000966414	5.19067E-06	0.007998995	0.002221276	0.065026738	0.021131136	5.8721E-06	23.21214104	2.81556E-05	0.000432476	0.000268938
2079 Mar	165.5210419	0.254996508	0.384310603	0.008406688	47.38816452	0.046797503	41.55236816	0.001025378	0.000966437	5.19079E-06	0.007999184	0.002221328	0.06502825	0.021131644	5.87224E-06	23.21269226	2.81562E-05	0.000432486	0.000268945
2079 Apr	165.5429688	0.255030274	0.384361506	0.008407802	47.39444351	0.046803702	41.55786896	0.001025514	0.000966565	5.19148E-06	0.008000243	0.002221623	0.065036863	0.021134451	5.87301E-06	23.21577263	2.816E-05	0.000432544	0.000268981
2079 May	165.6232758	0.255140573	0.384516925	0.008411287	47.41629791	0.046826176	41.57750702	0.00102606	0.000967087	5.19425E-06	0.008004502	0.002222839	0.065068789	0.021148011	5.87616E-06	23.22925186	2.81748E-05	0.000432796	0.00026916
2079 Jun	164.6636505	0.252857357	0.380586118	0.008331208	47.07944107	0.046569597	41.31744003	0.001023598	0.000965247	5.18276E-06	0.007986936	0.002217561	0.064746365	0.02117583	5.86298E-06	23.19405746	2.81007E-05	0.000432601	0.000269607
2079 Jul	164.5653534	0.252472878	0.379922986	0.008318285	47.04218292	0.046552214	41.28973007	0.001023785	0.000965539	5.18401E-06	0.007989101	0.002217854	0.064721718	0.021188574	5.86444E-06	23.19584274	2.81061E-05	0.000432825	0.000269737
2079 Aug	164.7893219	0.252762288	0.380350649	0.008327875	47.10783386	0.046620108	41.34662247	0.001025175	0.000966864	5.19114E-06	0.007999985	0.002221063	0.064811915	0.021218393	5.87266E-06	23.22738266	2.81438E-05	0.000433458	0.000270099
2079 Sep	164.6418915	0.252380729	0.379673928	0.008314219	47.06088638	0.046594661	41.31043243	0.001024712	0.000966507	5.18908E-06	0.007997427	0.002220256	0.064769566	0.021214882	5.87056E-06	23.2161293	2.81297E-05	0.000433405	0.000269991
2079 Oct	164.478302	0.252022892	0.379028201	0.008301139	47.00659943	0.046563458	41.27023697	0.001024229	0.000966124	5.18683E-06	0.007994699	0.002219193	0.064721756	0.021209737	5.86813E-06	23.20351219	2.81143E-05	0.00043329	0.000269866
2079 Nov	164.3947449	0.251850367	0.37870723	0.008294669	46.97813416	0.046548579	41.24952316	0.001024028	0.000965974	5.1859E-06	0.007993658	0.002218669	0.064697608	0.021207668	5.86708E-06	23.19763756	2.81069E-05	0.000433234	0.000269805

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2079 Dec	164.329071	0.251722544	0.378466636	0.008289823	46.95558167	0.046536982	41.23301315	0.001023884	0.000965867	5.18522E-06	0.007992893	0.002218235	0.06467811	0.021205984	5.86629E-06	23.19309044	2.8101E-05	0.000433181	0.000269758
2080 Jan	164.3285828	0.251721442	0.378464282	0.008289777	46.95537949	0.046536908	41.23287582	0.001023884	0.000965868	5.18522E-06	0.007992899	0.002218235	0.064677969	0.021206046	5.86629E-06	23.19310951	2.8101E-05	0.000433181	0.000269758
2080 Feb	164.329071	0.251721978	0.378464848	0.008289791	46.95550156	0.046537042	41.23298264	0.001023888	0.000965872	5.18524E-06	0.00799293	0.002218244	0.064678147	0.021206183	5.86632E-06	23.19323158	2.81011E-05	0.000433184	0.00026976
2080 Mar	164.3296356	0.251722783	0.37846598	0.008289816	46.95565796	0.046537194	41.23311234	0.001023892	0.000965876	5.18526E-06	0.007992958	0.002218252	0.064678349	0.021206288	5.86634E-06	23.19333076	2.81012E-05	0.000433185	0.000269762
2080 Apr	164.3446808	0.25174582	0.378500551	0.008290574	46.95995712	0.046541452	41.23688126	0.001023986	0.000965964	5.18573E-06	0.00799369	0.002218456	0.064684257	0.021208245	5.86687E-06	23.19546509	2.81038E-05	0.000433225	0.000269787
2080 May	164.4398651	0.251889974	0.378716677	0.008295312	46.98719406	0.04656836	41.26069641	0.001024578	0.000966523	5.18873E-06	0.007998313	0.002219746	0.064721577	0.021220706	5.87027E-06	23.20900536	2.81201E-05	0.000433478	0.000269946
2080 Jun	163.8772888	0.250652432	0.376629919	0.008253567	46.79635239	0.046451248	41.1145401	0.001023639	0.00096591	5.18443E-06	0.007993022	0.002215818	0.064547084	0.021198438	5.86487E-06	23.16266632	2.80867E-05	0.000433038	0.000269465
2080 Jul	163.6911163	0.250115097	0.375716567	0.008235747	46.73194504	0.046424445	41.06629181	0.001023695	0.00096611	5.18504E-06	0.007994534	0.00221522	0.064497948	0.021197347	5.86549E-06	23.1503315	2.8085E-05	0.000433077	0.000269329
2080 Aug	163.7918243	0.250169754	0.375773132	0.008237588	46.76114655	0.046463877	41.09238815	0.001024504	0.000966911	5.1893E-06	0.008000959	0.00221709	0.064544208	0.021214444	5.87047E-06	23.16631317	2.81052E-05	0.000433467	0.000269502
2080 Sep	163.6669922	0.249843091	0.375203818	0.008226291	46.72131729	0.046449564	41.06157303	0.001024284	0.00096678	5.1884E-06	0.007999643	0.002216445	0.064510241	0.021209581	5.86953E-06	23.15568161	2.80937E-05	0.000433414	0.00026935
2080 Oct	163.5005951	0.249492988	0.374577552	0.008213674	46.6677742	0.046422582	41.02053452	0.001023834	0.000966427	5.1863E-06	0.007997009	0.002215218	0.064460404	0.021200063	5.86718E-06	23.14004898	2.80771E-05	0.00043324	0.000269143
2080 Nov	163.3821411	0.249263272	0.374152988	0.00820516	46.62818909	0.04640422	40.9911232	0.001023583	0.000966242	5.18512E-06	0.007995627	0.002214371	0.064425558	0.021194275	5.86578E-06	23.1299305	2.8066E-05	0.000433118	0.000269006
2080 Dec	163.3755188	0.249250352	0.374127239	0.008204657	46.62578583	0.04640355	40.98945236	0.001023583	0.000966246	5.18513E-06	0.007995666	0.00221434	0.064423822	0.021194201	5.86578E-06	23.12955475	2.80656E-05	0.000433115	0.000269
2081 Jan	163.3760071	0.249250963	0.374127775	0.00820467	46.62589645	0.046403732	40.98955917	0.001023588	0.000966251	5.18515E-06	0.007995706	0.002214349	0.064424038	0.021194326	5.86581E-06	23.12966728	2.80657E-05	0.000433117	0.000269001
2081 Feb	163.376358	0.24925141	0.374128252	0.008204682	46.62599182	0.046403836	40.98963928	0.001023591	0.000966254	5.18517E-06	0.007995728	0.002214356	0.064424157	0.021194419	5.86582E-06	23.1297493	2.80657E-05	0.000433119	0.000269003
2081 Mar	163.3782806	0.249254286	0.374132514	0.008204776	46.62653351	0.04640438	40.9901123	0.001023603	0.000966266	5.18523E-06	0.007995823	0.002214382	0.06442491	0.021194693	5.86589E-06	23.13004112	2.80661E-05	0.000433124	0.000269006
2081 Apr	163.4012604	0.249289155	0.374184728	0.00820592	46.63309479	0.046410888	40.99586487	0.001023746	0.000966401	5.18596E-06	0.007996945	0.002214694	0.06443394	0.021197708	5.86671E-06	23.13331604	2.807E-05	0.000433185	0.000269045
2081 May	163.2099762	0.248807132	0.373264998	0.008187652	46.5603447	0.046370454	40.93604279	0.001023818	0.000966619	5.18648E-06	0.007997323	0.002214309	0.064361535	0.021222852	5.86678E-06	23.14038467	2.80615E-05	0.000433318	0.00026939
2081 Jun	162.7043304	0.247629091	0.371179521	0.008145109	46.39292908	0.046246741	40.78989792	0.001022425	0.000965555	5.17985E-06	0.00798682	0.002211045	0.064163089	0.021237446	5.85876E-06	23.12209511	2.80124E-05	0.000433051	0.000269632
2081 Jul	163.0188293	0.248069406	0.371829689	0.00815955	46.48314667	0.046337653	40.86872482	0.001024416	0.000967447	5.19E-06	0.00800257	0.002215468	0.06428811	0.021280248	5.87033E-06	23.16754341	2.80678E-05	0.000433935	0.00027017
2081 Aug	163.3278503	0.248508006	0.372484297	0.008173984	46.57313538	0.046427026	40.94706726	0.001026277	0.000969209	5.1995E-06	0.008017297	0.002219712	0.064411163	0.021319771	5.88122E-06	23.21044159	2.81198E-05	0.000434772	0.000270664
2081 Sep	163.3828735	0.248533204	0.372502267	0.008174581	46.59238434	0.046448037	40.96190262	0.001026514	0.000969443	5.20082E-06	0.008019586	0.002220569	0.064434581	0.021326138	5.88295E-06	23.21699715	2.81272E-05	0.000434954	0.000270722
2081 Oct	163.3788147	0.248493195	0.3724159	0.008172871	46.59259415	0.046450876	40.96131516	0.001026468	0.00096941	5.20067E-06	0.008019703	0.002220649	0.064434424	0.021326611	5.8829E-06	23.21671295	2.81268E-05	0.000434983	0.000270712
2081 Nov	163.3034973	0.248333961	0.372125238	0.008166905	46.56890869	0.046435758	40.94244766	0.001026163	0.00096915	5.19921E-06	0.008017819	0.002220067	0.064409837	0.021323591	5.88132E-06	23.21046448	2.81177E-05	0.000434907	0.000270654
2081 Dec	163.2944336	0.24831374	0.372084171	0.00816609	46.56548309	0.046434406	40.94010162	0.001026158	0.000969152	5.1992E-06	0.008017847	0.002220045	0.064407445	0.021324139	5.8813E-06	23.21037674	2.81172E-05	0.00043491	0.000270657
2082 Jan	163.2942963	0.248313159	0.37208268	0.008166062	46.56539154	0.04643441	40.94004822	0.00102616	0.000969154	5.19921E-06	0.008017865	0.002220049	0.064407431	0.021324249	5.88131E-06	23.21044731	2.81172E-05	0.000434912	0.000270659
2082 Feb	163.2952423	0.24831447	0.372084469	0.008166102	46.56564713	0.046434663	40.94026566	0.001026166	0.000969161	5.19924E-06	0.008017913	0.002220063	0.064407773	0.021324426	5.88135E-06	23.21061707	2.81174E-05	0.000434915	0.000270661
2082 Mar	163.298584	0.248319492	0.372091949	0.008166266	46.56659698	0.046435606	40.94109726	0.001026187	0.000969181	5.19935E-06	0.008018078	0.002220109	0.064409077	0.02132489	5.88147E-06	23.21111298	2.8118E-05	0.000434924	0.000270667
2082 Apr	163.3158112	0.248345688	0.372131139	0.008167126	46.57151031	0.046440501	40.9454155	0.001026296	0.000969283	5.1999E-06	0.008018925	0.002220344	0.064415865	0.021327155	5.88209E-06	23.21357155	2.81209E-05	0.00043497	0.000270696
2082 May	163.3993683	0.248472124	0.372320503	0.008171283	46.59537125	0.046464249	40.96636963	0.001026819	0.000969777	5.20255E-06	0.008023016	0.00222148	0.064448819	0.02133807	5.88509E-06	23.22544098	2.81353E-05	0.000435193	0.000270834
2082 Jun	162.5028687	0.246442735	0.368921846	0.008102832	46.27928925	0.046252821	40.74542236	0.001024948	0.000968438	5.194E-06	0.008012377	0.002216022	0.064203307	0.021313984	5.87557E-06	23.1587677	2.80833E-05	0.000434782	0.00027029
2082 Jul	162.0996094	0.245426312	0.367230922	0.008069172	46.1373558	0.046165708	40.64521027	0.001024405	0.000968161	5.1918E-06	0.008010272	0.002213986	0.064097002	0.021305541	5.87315E-06	23.12931061	2.80688E-05	0.000434717	0.000270031
2082 Aug	162.3251648	0.245718136	0.367660701	0.008078774	46.20430374	0.046234034	40.7027092	0.001025751	0.000969441	5.19872E-06	0.008020936	0.002217163	0.064187676	0.021334473	5.88116E-06	23.16035652	2.81059E-05	0.000435346	0.00027038
2082 Sep	162.3800507	0.245742649	0.367669404	0.008079299	46.2211113	0.046255931	40.71724701	0.00102613	0.000969819	5.20075E-06	0.008024358	0.002218168	0.064213306	0.02134335	5.88363E-06	23.16875648	2.81167E-05	0.000435568	0.000270465
2082 Oct	162.0303345	0.245045289	0.366476655	0.008054865	46.11225128	0.046183776	40.63002014	0.001024831	0.000968706	5.19446E-06	0.008015797	0.002214989	0.064098425	0.021316638	5.87656E-06	23.13126945	2.80773E-05	0.000435067	0.000270006
2082 Nov	162.02948	0.245036259	0.366452664	0.008054446	46.11135864	0.046185426	40.6297493	0.001024888	0.000968767	5.19476E-06	0.008016334	0.002215072	0.064099364	0.021317769	5.87689E-06	23.13199234	2.80784E-05	0.00043509	0.000270012
2082 Dec	162.0326385	0.245041102	0.366459668	0.008054601	46.11226273	0.046186376	40.63053131	0.001024909	0.000968787	5.19487E-06	0.008016499	0.002215116	0.064100608	0.021318201	5.87701E-06	23.13245773	2.8079E-05	0.000435098	0.000270018
2083 Jan	162.0334015	0.245042264	0.366461217	0.008054636	46.11247253	0.0461866	40.6307106	0.001024914	0.000968792	5.19489E-06	0.00801654	0.002215127	0.064100891	0.021318324	5.87704E-06	23.13258362	2.80791E-05	0.000435101	0.000270019
2083 Feb	162.0355072	0.245045409	0.366465896	0.008054738	46.11307526	0.046187192	40.6312294	0.001024928	0.000968804	5.19496E-06	0.008016644	0.002215156	0.064101703	0.021318626	5.87711E-06	23.13290024	2.80795E-05	0.000435106	0.000270023
2083 Mar	162.0402069	0.245052472	0.366476417	0.00805497	46.11440277	0.046188522	40.6323967	0.001024957	0.000968832	5.19511E-06	0.008016875	0.00221522	0.064103544	0.021319255	5.87728E-06	23.13357735	2.80803E-05	0.000435119	0.000270031
2083 Apr	162.0643005	0.24508889	0.366530865	0.008056167	46.1212616	0.046195388	40.63843536	0.00102511	0.000968976	5.19588E-06	0.008018067	0.00221555	0.064113066	0.021322433	5.87816E-06	23.13702202	2.80844E-05	0.000435184	0.000270072
2083 May	161.9652863	0.244757563	0.36589089	0.008043583	46.07274246	0.046168528	40.61182022	0.001025375	0.000969345	5.19748E-06	0.008020832	0.002216336	0.064097188	0.021350542	5.88005E-06	23.15053558	2.8091E-05	0.000435564	0.000270456
2083 Jun	161.1123199	0.242725685	0.362356633	0.007971158	45.77216721	0.045927558	40.38368225	0.001022768	0.000967296	5.18523E-06	0.008002906	0.002211757	0.063814156	0.02138105	5.8665E-06	23.1229763	2.80209E-05	0.000435461	0.000270991
2083 Jul	161.1994934	0.242708236	0.362283051	0.007970355	45.79469681	0.045957491	40.40504837	0.001023562	0.000968104	5.18948E-06	0.00800963	0.002213795	0.06385579	0.02140514	5.87154E-06	23.14258385	2.80442E-05	0.000435946	0.000271285
2083 Aug	161.2481995	0.242638171	0.362133294	0.00796796	45.80617523	0.045984015	40.41712952	0.00102421	0.000968776	5.19297E-06	0.008014374	0.002215396	0.063883148	0.021424368	5.87564E-06	23.15687943	2.80574E-05	0.000436304	0.000271494
2083 Sep	161.1442413	0.24234286	0.361590892	0.007957061	45.77177811	0.045968097	40.3923111	0.001023913	0.000968564	5.19172E-06	0.008012972	0.002215092	0.063856728	0.02142626	5.87451E-06	23.15169144	2.8048E-05	0.000436336	0.000271472
2083 Oct	160.81633	0.241672158	0.360381931	0.007932327	45.66449738	0.045901492	40.31137466	0.001022753	0.000967592	5.18617E-06	0.008005481	0.002212679	0.063754968	0.021414123	5.86842E-06	23.12545013	2.80106E-05	0.000436013	0.000271227
2083 Nov	160.7158051	0.241471708	0.360011846	0.007924772	45.6313858	0.045882218	40.28678131	0.00102241	0.000967308	5.18454E-06	0.00800339	0.002211952	0.063724555	0.021410368	5.86663E-06	23.11746979	2.79993E-05	0.000435915	0.000271145
2083 Dec	160.7170868	0.241473272	0.360013336	0.007924811	45.63167953	0.045882706	40.28709793	0.001022423	0.00096732	5.1846E-06	0.008003494	0.002211977	0.063725166	0.021410659	5.86671E-06	23.11773872	2.79996E-05	0.000435921	0.000271149
2084 Jan	160.7171631	0.241473243	0.360012949	0.007924805	45.63167572	0.045882758	40.28710556	0.001022425	0.000967322	5.18461E-06	0.00800351	0.002211981	0.063725218	0.021410732	5.86672E-06	23.11779213	2.79996E-05	0.000435922	0.00027115
2084 Feb	160.7178802	0.241474226	0.36001423	0.007924835	45.63187027	0.045882955	40.28727722	0.00102243	0.000967327	5.18464E-06	0.008003548	0.002211992	0.063725486	0.021410869	5.86675E-06	23.11792564	2.79997E-05	0.000435924	0.000271151
2084 Mar	160.7226257	0.241481319	0.36002478	0.007925067	45.63321686	0.045884304	40.28845978	0.00102246	0.000967356	5.18479E-06	0.008003784	0.002212058	0.063727349	0.021411518	5.86692E-06	23.11861801	2.80006E-05	0.000435937	0.00027116
2084 Apr	160.7588348	0.241535723	0.360105842	0.007926852	45.64349747	0.045894638	40.29753494	0.00102269	0.000967574	5.18596E-06	0.008005587	0.002212556	0.063741706	0.021416349	5.86824E-06	23.12383461	2.80069E-05	0.000436035	0.000271221
2084 May	160.6057892	0.241086528	0.359207243	0.00790892	45.57792282	0.045854747	40.24915314	0.001022814	0.000967842	5.18683E-06	0.008006734	0.002213044	0.063689239	0.021456294	5.86902E-06	23.14271927	2.80039E-05	0.000436394	0.000271813
2084 Jun	159.8624725	0.239371285	0.356169045	0.007846166	45.32993698	0.045647785	40.03857422	0.00102009	0.000965598	5.17372E-06	0.007986426	0.002208227	0.063399643	0.021484328	5.85404E-06	23.11994171	2.79227E-05	0.00043604	0.000272375
2084 Jul	160.0367889	0.239539146	0.356388539	0.007851459	45.37965012	0.045700736	40.081604	0.001021278	0.000966753	5.17989E-06	0.007996072	0.002211071	0.063470684	0.021514473	5.86118E-06	23.14873886	2.79565E-05	0.000436647	0.000272754
2084 Aug	160.2236786	0.239755839	0.356701583	0.007858558	45.43580627	0.045758497	40.12966919	0.001022369	0.000967797	5.18555E-06	0.00800483	0.00221379	0.063546933	0.021539111	5.86782E-06	23.17459297	2.79871E-05	0.000437193	0.000273047
2084 Sep	160.1701508	0.239565462	0.356350929	0.007851504	45.41950607	0.045752242	40.11636734	0.001022176	0.000967659	5.18477E-06	0.008003814	0.002213745	0.063532591	0.021542298	5.86718E-06	23.17314148	2.79808E-05	0.000437251	0.000273063
2084 Oct	159.9702301	0.239136145	0.355559051	0.007835302	45.35363388	0.045710698	40.06564331	0.001021466	0.000967073	5.1814E-06	0.007999326	0.002212419	0.06346859	0.02153999	5.86351E-06	23.16058922	2.7958E-05	0.00043711	0.000272996
2084 Nov	159.9042664	0.238998294	0.355297923	0.007829985	45.3313942	0.045697849	40.04892731	0.001021261	0.000966909	5.18043E-06	0.007998112	0.002212011	0.063448109	0.021539684	5.86245E-06	23.15685081	2.79509E-05	0.000437069	0.000272976
2084 Dec	159.9069214	0.239002347	0.355303675	0.007830112	45.33214188	0.045698661	40.04958344	0.001021279	0.000966926	5.18053E-06	0.007998255	0.002212048	0.063449152	0.021540059	5.86255E-06	23.15724945	2.79514E-05	0.000437077	0.000272981
2085 Jan	159.9070282	0.239002496	0.355303764	0.007830114	45.33217239	0.045698699	40.04959488	0.00102128	0.000966928	5.18053E-06	0.007998263	0.00221205	0.063449174	0.0215401	5.86256E-06	23.15728378	2.79514E-05	0.000437077	0.000272981
2085 Feb	159.9078674	0.239003688	0.355305433	0.007830152	45.33240128	0.045698926	40.04978943	0.001021286	0.000966933	5.18056E-06	0.007998304	0.002212062	0.06344948	0.021540236	5.86259E-06	23.1574192	2.79515E-05	0.00043708	0.000272983
2085 Mar	159.9096069	0.239006266	0.355309278	0.007830235	45.33289719	0.045699421	40.0502243	0.001021297	0.000966943	5.18061E-06	0.007998391	0.002212086	0.063450158	0.021540485	5.86265E-06	23.15768433	2.79518E-05	0.000437084	0.000272987
2085 Apr	159.9287262	0.239034817	0.355351686	0.00783117	45.33831406	0.045704879	40.05500793	0.001021419	0.000967059	5.18123E-06	0.007999347	0.002212351	0.063457727	0.021543067	5.86335E-06	23.1604557	2.79552E-05	0.000437137	0.000273019
2085 May	159.8215179	0.238690317	0.354656041	0.007817271	45.29057693	0.045674864	40.02054214	0.001021525	0.000967277	5.18199E-06	0.008000389	0.002212944	0.063422054	0.021577401	5.86413E-06	23.17790794	2.79542E-05	0.000437475	0.000273534
2085 Jun	159.5253754	0.237885445	0.35315901	0.007786741	45.18211365	0.045590308	39.93296051	0.001020802	0.000966793	5.17877E-06	0.007995404	0.002212249	0.063311793	0.02161726	5.86051E-06	23.18805122	2.79312E-05	0.00043772	0.000274178
2085 Jul	159.7825623	0.238215059	0.353642881	0.0077976	45.2571106	0.045666672	39.99819183	0.001022394	0.00096831	5.18694E-06	0.008008055	0.002215954	0.063415416	0.021652253	5.86993E-06	23.22473717	2.79758E-05	0.00043846	0.000274609
2085 Aug	159.813385	0.238114178	0.353438467	0.007793801	45.26630783	0.045684848	40.00738525	0.001022645	0.000968595	5.18848E-06	0.008010331	0.002217145	0.063436337	0.02166616	5.87208E-06	23.23442268	2.79819E-05	0.000438758	0.00027476
2085 Sep	159.590271	0.237563878	0.352436215	0.007773367	45.19128418	0.045640491	39.95252609	0.001021855	0.000967962	5.18486E-06	0.008005068	0.002216097	0.063372649	0.021669544	5.8684E-06	23.22400475	2.79551E-05	0.000438729	0.000274757
2085 Oct	159.3981628	0.237143517	0.351652086	0.007757305	45.12624359	0.045601357	39.90761948	0.001021111	0.000967341	5.18137E-06	0.00800065	0.002215002	0.063321121	0.021667313	5.86484E-06	23.21185303	2.79328E-05	0.000438643	0.000274677
2085 Nov	159.2966156	0.236934096	0.3512595	0.007749253	45.09179306	0.045580681	39.8839035	0.001020722	0.000967013	5.17954E-06	0.007998328	0.00221437	0.063293643	0.021665193	5.86294E-06	23.20492363	2.79209E-05	0.00043858	0.000274622
2085 Dec	159.2972107	0.236934617	0.351259351	0.007749256	45.09187698	0.045580957	39.88405991	0.00102073	0.000967021	5.17958E-06	0.007998395	0.002214387	0.063294008	0.021665409	5.86298E-06	23.20510674	2.79211E-05	0.000438584	0.000274624
2086 Jan	159.2971802	0.236934364	0.351258516	0.00774924	45.09183502	0.045580979	39.88404846	0.001020731	0.000967023	5.17958E-06	0.007998409	0.00221439	0.063294038	0.021665487	5.86299E-06	23.20516014	2.79211E-05	0.000438585	0.000274625
2086 Feb	159.2974243	0.236934572	0.351258636	0.007749244	45.0918808	0.045581039	39.88410187	0.001020733	0.000967025	5.1796E-06	0.007998425	0.002214396	0.063294128	0.021665575	5.863E-06	23.20523262	2.79211E-05	0.000438586	0.000274626
2086 Mar	159.2996521	0.236937866	0.351263434	0.007749351	45.09251022	0.045581676	39.884655	0.001020748	0.000967038	5.17967E-06	0.007998536	0.002214427	0.063295007	0.021665897	5.86309E-06	23.20557022	2.79215E-05	0.000438593	0.00027463
2086 Apr	159.3256378	0.236976504	0.351320684	0.007750613	45.09986496	0.045589104	39.89115906	0.001020914	0.000967196	5.18051E-06	0.007999841	0.002214788	0.063305318	0.02166944	5.86404E-06	23.20936203	2.79261E-05	0.000438664	0.000274675
2086 May	159.3693542	0.23699151	0.351288497	0.007750306	45.1067009	0.045602106	39.90104294	0.001021409	0.000967697	5.18309E-06	0.008003861	0.002216023	0.063327521	0.021688964	5.867E-06	23.22494316	2.79387E-05	0.000438973	0.00027494
2086 Jun	158.5829315	0.235143244	0.347961217	0.007682082	44.82793808	0.045387965	39.68753433	0.001019006	0.00096582	5.1718E-06	0.007987037	0.00221213	0.063060477	0.021730933	5.85444E-06	23.2099247	2.78659E-05	0.000438947	0.000275631
2086 Jul	158.6958313	0.2351439	0.347891927	0.007681582	44.8560524	0.045426797	39.71472931	0.00102008	0.000966907	5.1775E-06	0.007996162	0.002214737	0.063114136	0.021762511	5.86109E-06	23.23601532	2.78968E-05	0.000439571	0.000276016
2086 Aug	158.8375244	0.235252902	0.348028332	0.007685057	44.89803696	0.045475155	39.75189209	0.001020988	0.000967796	5.18229E-06	0.008003484	0.002217136	0.063176483	0.021785079	5.86683E-06	23.25773239	2.79213E-05	0.000440072	0.000276272
2086 Sep	158.665802	0.234806031	0.3472341	0.007669043	44.84013748	0.045445975	39.7107048	0.001020508	0.00096744	5.18018E-06	0.008000325	0.002216417	0.06313245	0.021785293	5.86476E-06	23.24795914	2.79029E-05	0.00044007	0.000276205

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2086 Oct	158.6077881	0.234653234	0.346940637	0.007663179	44.81929398	0.045437764	39.6976738	0.001020386	0.000967365	5.1797E-06	0.008000003	0.002216311	0.063121028	0.021786928	5.86438E-06	23.24572182	2.78986E-05	0.000440105	0.000276192
2086 Nov	158.6219788	0.234672889	0.346968055	0.007663798	44.8232193	0.045442048	39.70125198	0.001020483	0.000967457	5.1802E-06	0.008000778	0.002216524	0.063126922	0.021789074	5.86494E-06	23.24793053	2.79012E-05	0.000440149	0.000276219
2086 Dec	158.6240387	0.234675989	0.346972466	0.007663896	44.82379913	0.045442678	39.70176315	0.001020497	0.000967471	5.18027E-06	0.008000889	0.002216553	0.063127726	0.021789368	5.86502E-06	23.24824333	2.79016E-05	0.000440154	0.000276222
2087 Jan	158.6244202	0.23467654	0.346973181	0.007663913	44.82390594	0.045442794	39.70185089	0.0010205	0.000967473	5.18028E-06	0.008000909	0.002216559	0.063127868	0.021789437	5.86503E-06	23.2483139	2.79016E-05	0.000440156	0.000276223
2087 Feb	158.6260376	0.234678894	0.346976638	0.007663989	44.82436371	0.045443248	39.7022438	0.00102051	0.000967483	5.18034E-06	0.00800099	0.002216582	0.063128494	0.021789677	5.86509E-06	23.24855995	2.79019E-05	0.00044016	0.000276226
2087 Mar	158.6316681	0.234687224	0.346988916	0.00766426	44.82595062	0.045444861	39.70365143	0.001020547	0.000967517	5.18052E-06	0.008001275	0.00221666	0.063130729	0.02179046	5.8653E-06	23.24939346	2.79029E-05	0.000440176	0.000276236
2087 Apr	158.6448669	0.234706745	0.347017735	0.007664897	44.8296814	0.045448635	39.70695114	0.001020632	0.000967598	5.18095E-06	0.00800194	0.002216845	0.063135974	0.02179228	5.86579E-06	23.25133133	2.79052E-05	0.000440212	0.000276259
2087 May	158.5821838	0.234501332	0.34661895	0.007656941	44.80210114	0.045431692	39.68798065	0.001020681	0.000967712	5.18134E-06	0.008002407	0.002217163	0.063117735	0.021809846	5.86624E-06	23.25973701	2.79045E-05	0.0004404	0.000276517
2087 Jun	158.0973206	0.233287305	0.344448119	0.00761257	44.62864685	0.045297869	39.55265808	0.001019349	0.000966723	5.17518E-06	0.007992551	0.002215149	0.062948994	0.021846374	5.85934E-06	23.25729561	2.78617E-05	0.00044051	0.000277111
2087 Jul	158.2656403	0.233445704	0.344659358	0.007617696	44.67671204	0.045351144	39.59508514	0.001020507	0.000967851	5.18121E-06	0.008001797	0.002217929	0.063019611	0.021874595	5.86635E-06	23.28439903	2.78936E-05	0.000441092	0.000277454
2087 Aug	158.4872742	0.233723894	0.345058531	0.007626736	44.7402916	0.045418065	39.65115356	0.001021932	0.000969215	5.18853E-06	0.008013027	0.002221233	0.063110046	0.021906987	5.87477E-06	23.31761551	2.79323E-05	0.00044176	0.000277853
2087 Sep	158.5883179	0.233831197	0.345193654	0.007629906	44.77109146	0.045451034	39.67724609	0.001022514	0.000969776	5.19158E-06	0.008018087	0.00222276	0.063151889	0.021920972	5.8784E-06	23.33196259	2.79495E-05	0.000442076	0.000278014
2087 Oct	158.5283203	0.23367101	0.344891369	0.007623789	44.75028992	0.045440126	39.66362381	0.001022313	0.000969624	5.19071E-06	0.008017197	0.002222598	0.063138299	0.021922573	5.87762E-06	23.32944107	2.79441E-05	0.000442102	0.000278012
2087 Nov	158.4959869	0.233592585	0.344742388	0.007620783	44.73844528	0.045433875	39.65613174	0.001022232	0.000969566	5.19036E-06	0.008016833	0.002222509	0.06313099	0.021923728	5.87729E-06	23.32840729	2.79415E-05	0.000442114	0.000278017
2087 Dec	158.4978333	0.233595371	0.344746232	0.007620869	44.7389679	0.045434456	39.65658569	0.001022245	0.000969578	5.19042E-06	0.008016936	0.002222535	0.06313172	0.021923998	5.87737E-06	23.32869148	2.79418E-05	0.00044212	0.000278021
2088 Jan	158.4985657	0.233596459	0.344747663	0.007620902	44.73917007	0.045434676	39.65675735	0.00102225	0.000969583	5.19045E-06	0.008016976	0.002222546	0.063131988	0.021924125	5.87739E-06	23.32881927	2.79419E-05	0.000442122	0.000278022
2088 Feb	158.4990845	0.233597144	0.344748676	0.007620924	44.73931503	0.04543481	39.65687561	0.001022253	0.000969586	5.19047E-06	0.008017	0.002222553	0.063132167	0.021924218	5.87741E-06	23.32890701	2.7942E-05	0.000442123	0.000278024
2088 Mar	158.5049438	0.233605787	0.344761342	0.007621204	44.7409668	0.045436487	39.65833282	0.001022291	0.000969622	5.19066E-06	0.008017297	0.002222636	0.063134491	0.021925041	5.87763E-06	23.32977867	2.79431E-05	0.00044214	0.000278034
2088 Apr	158.5545654	0.233678818	0.344869107	0.007623586	44.75498199	0.045450706	39.67074585	0.001022611	0.000969925	5.1922E-06	0.008019805	0.002223332	0.063154243	0.02193192	5.87947E-06	23.33709335	2.79518E-05	0.000442278	0.000278121
2088 May	158.6631317	0.233834833	0.345097214	0.007628635	44.7857399	0.045481537	39.69768143	0.001023303	0.000970583	5.1958E-06	0.008025235	0.002224867	0.063196905	0.02194755	5.88346E-06	23.35345078	2.79708E-05	0.000442587	0.000278323
2088 Jun	158.2068024	0.232710272	0.34316358	0.007589936	44.61795425	0.045373563	39.57999802	0.00102272	0.000970304	5.1934E-06	0.008022164	0.002222994	0.063069843	0.021958521	5.88069E-06	23.3350544	2.79506E-05	0.000442641	0.000278391
2088 Jul	158.341217	0.232760474	0.343173236	0.00759133	44.64785767	0.045420341	39.61320114	0.001024189	0.000971774	5.20105E-06	0.008034295	0.002226047	0.063138299	0.021993643	5.88941E-06	23.36515999	2.79909E-05	0.000443359	0.000278799
2088 Aug	158.6761017	0.233223349	0.343852311	0.007606433	44.74409866	0.045518346	39.6977005	0.001026287	0.000973769	5.21177E-06	0.00805089	0.002230795	0.063272767	0.022039367	5.90167E-06	23.41362	2.80488E-05	0.000444309	0.00027937
2088 Sep	158.7746429	0.233328789	0.343996197	0.007609729	44.77459335	0.04554924	39.72338104	0.001026815	0.000974275	5.21454E-06	0.008055415	0.002232227	0.06331332	0.022051865	5.905E-06	23.42679214	2.80647E-05	0.000444603	0.000279515
2088 Oct	158.5641022	0.23289749	0.343237877	0.007594094	44.70969391	0.045505635	39.67340469	0.001025865	0.000973442	5.20997E-06	0.008049557	0.002230392	0.063248612	0.022035914	5.90013E-06	23.40404892	2.80389E-05	0.000444328	0.000279239
2088 Nov	158.5140533	0.232785612	0.343027711	0.007589892	44.69172287	0.045497146	39.66178894	0.001025772	0.000973382	5.20958E-06	0.008049292	0.002230175	0.063237198	0.022035414	5.89974E-06	23.40097809	2.80356E-05	0.000444323	0.000279206
2088 Dec	158.5167694	0.232789636	0.343033373	0.00759002	44.69248581	0.045497973	39.6624527	0.001025791	0.0009734	5.20967E-06	0.00804944	0.002230214	0.063238263	0.022035807	5.89984E-06	23.40139008	2.80361E-05	0.0004433	0.000279211
2089 Jan	158.5172577	0.232790366	0.343034297	0.007590041	44.69262314	0.045498122	39.66256714	0.001025794	0.000973404	5.20969E-06	0.008049468	0.002230221	0.063238442	0.022035899	5.89986E-06	23.40147972	2.80362E-05	0.000444332	0.000279212
2089 Feb	158.51828	0.232791826	0.343036413	0.007590087	44.69291306	0.045498405	39.66281128	0.001025801	0.00097341	5.20972E-06	0.008049519	0.002230236	0.063238822	0.022036064	5.8999E-06	23.40164757	2.80364E-05	0.000444335	0.000279214
2089 Mar	158.5254059	0.232802272	0.343051732	0.007590427	44.69491959	0.04550045	39.66458893	0.001025847	0.000973454	5.20996E-06	0.00804988	0.002230337	0.063241653	0.02203707	5.90016E-06	23.40270996	2.80377E-05	0.000444355	0.000279227
2089 Apr	158.5567627	0.232848302	0.343119532	0.007591927	44.70375824	0.045509443	39.67243195	0.00102605	0.000973646	5.21099E-06	0.008051472	0.002230778	0.063254155	0.022041436	5.90133E-06	23.40734291	2.80432E-05	0.000444443	0.000279282
2089 May	158.4913788	0.232595384	0.342608839	0.007581962	44.6713829	0.045493871	39.65022278	0.001026382	0.00097406	5.21284E-06	0.008054359	0.002231525	0.063235819	0.022068689	5.90331E-06	23.42213821	2.80495E-05	0.000444765	0.000279666
2089 Jun	158.146225	0.231650263	0.34086442	0.007546884	44.54108047	0.045402963	39.5474968	0.001026038	0.000973995	5.21158E-06	0.00805252	0.00223091	0.063113734	0.022113545	5.90159E-06	23.43311691	2.80344E-05	0.000445094	0.000280336
2089 Jul	158.3535461	0.231873691	0.34117493	0.007554166	44.60036469	0.045467533	39.59989166	0.001027437	0.000975347	5.21881E-06	0.008063631	0.002234192	0.063199833	0.022146156	5.90995E-06	23.46531487	2.80727E-05	0.000445768	0.000280732
2089 Aug	158.5415344	0.23207286	0.341442078	0.007560532	44.65268326	0.045527548	39.64725113	0.001028777	0.000976648	5.22574E-06	0.008074104	0.002237301	0.063279219	0.022178397	5.91793E-06	23.49642944	2.81078E-05	0.00044641	0.000281124
2089 Sep	158.559082	0.232006222	0.341281652	0.007557553	44.65634155	0.045539569	39.65386963	0.001028964	0.00097686	5.22688E-06	0.008076469	0.002238163	0.063296519	0.022188045	5.91956E-06	23.50308228	2.81145E-05	0.000446639	0.000281218
2089 Oct	158.2568359	0.23134926	0.340080053	0.007532997	44.55250931	0.045475118	39.58385849	0.001027879	0.000975963	5.22182E-06	0.008070233	0.00223643	0.063217677	0.022182718	5.91438E-06	23.4825573	2.80836E-05	0.000446496	0.000281067
2089 Nov	158.2372742	0.231298372	0.33997336	0.007530896	44.54446793	0.045472823	39.57958603	0.001027878	0.000975979	5.22186E-06	0.008070513	0.002236471	0.063215107	0.02218467	5.91448E-06	23.4828167	2.80831E-05	0.000446528	0.00028108
2089 Dec	158.240509	0.231303141	0.339980155	0.007531047	44.54537582	0.045473792	39.58037949	0.0010279	0.000976	5.22197E-06	0.008070687	0.002236517	0.063216381	0.022185137	5.91461E-06	23.48330879	2.80837E-05	0.000446537	0.000281086
2090 Jan	158.2419128	0.231305182	0.339983046	0.007531111	44.54576874	0.045474205	39.58072281	0.00102791	0.000976009	5.22202E-06	0.00807076	0.002236537	0.063216925	0.022185355	5.91466E-06	23.48353195	2.80839E-05	0.000446541	0.000281088
2090 Feb	158.2436218	0.231307656	0.339986593	0.00753119	44.54624939	0.045474689	39.58113861	0.001027921	0.00097602	5.22208E-06	0.008070848	0.002236562	0.063217588	0.022185616	5.91472E-06	23.48380089	2.80842E-05	0.000446546	0.000281092
2090 Mar	158.2490845	0.231315598	0.339998215	0.007531448	44.5477829	0.04547625	39.58249283	0.001027956	0.000976053	5.22226E-06	0.008071125	0.002236639	0.063219748	0.022186393	5.91493E-06	23.48461723	2.80852E-05	0.000446562	0.000281102
2090 Apr	158.2680359	0.231343314	0.340038925	0.00753235	44.55311966	0.045481693	39.58723831	0.00102808	0.00097617	5.22288E-06	0.008072092	0.002236907	0.063227318	0.022189058	5.91563E-06	23.48743629	2.80885E-05	0.000446615	0.000281136
2090 May	158.3167114	0.231383979	0.340072721	0.007533315	44.56322479	0.045495078	39.60026932	0.00102849	0.000976576	5.22502E-06	0.008075533	0.002237973	0.063252874	0.022202535	5.91816E-06	23.4990654	2.81004E-05	0.000446867	0.000281312
2090 Jun	157.6239319	0.229577854	0.336837411	0.007467136	44.28896713	0.045285225	39.44391251	0.001026324	0.000974922	5.21544E-06	0.008063995	0.002236943	0.063112803	0.022256434	5.90961E-06	23.49514198	2.80591E-05	0.000447572	0.000282102
2090 Jul	157.7623444	0.229652718	0.336899221	0.007469283	44.32331467	0.045328196	39.48029327	0.001027468	0.000976059	5.22147E-06	0.008073728	0.002239769	0.063181452	0.022287359	5.91672E-06	23.52237511	2.80933E-05	0.000448225	0.000282478
2090 Aug	157.6213684	0.229195356	0.336108357	0.007453469	44.27278519	0.045306463	39.45060349	0.00102714	0.000975855	5.22024E-06	0.00807166	0.002239776	0.063159682	0.02229277	5.91596E-06	23.516922	2.80806E-05	0.000448383	0.00028247
2090 Sep	157.3473358	0.228566632	0.334993511	0.007430699	44.1807518	0.045252699	39.39029694	0.001026068	0.000974957	5.21528E-06	0.008065034	0.002238198	0.063095614	0.022282515	5.91106E-06	23.49439049	2.80487E-05	0.000448253	0.000282228
2090 Oct	156.9338531	0.22775948	0.333521277	0.007400502	44.04337692	0.045171149	39.29507065	0.001024484	0.000973602	5.2077E-06	0.008055272	0.002235148	0.062983729	0.022260822	5.90305E-06	23.45753098	2.79993E-05	0.000447846	0.000281794
2090 Nov	156.8036652	0.227514952	0.333072633	0.007391255	44.00145721	0.045145784	39.26501465	0.001023932	0.000973118	5.20503E-06	0.008051874	0.002234075	0.062946722	0.022252023	5.9002E-06	23.44459343	2.79826E-05	0.000447685	0.00028163
2090 Dec	156.8054199	0.227517232	0.333074868	0.007391312	44.00186539	0.045146454	39.26546097	0.001023948	0.000973135	5.20512E-06	0.008052012	0.002234108	0.062947579	0.022252401	5.9003E-06	23.4449501	2.7983E-05	0.000447692	0.000281634
2091 Jan	156.8056183	0.227517322	0.33307445	0.007391307	44.00187683	0.045146566	39.26551437	0.001023952	0.000973138	5.20514E-06	0.008052043	0.002234116	0.06294772	0.022252513	5.90032E-06	23.44503784	2.79831E-05	0.000447694	0.000281635
2091 Feb	156.8058929	0.227517575	0.333074629	0.007391312	44.00193787	0.045146644	39.26556778	0.001023954	0.000973141	5.20515E-06	0.008052061	0.002234122	0.062947832	0.022252597	5.90034E-06	23.44511032	2.79832E-05	0.000447695	0.000281637
2091 Mar	156.8149414	0.227530688	0.333093733	0.007391736	44.00447464	0.045149252	39.26783371	0.001024013	0.000973197	5.20545E-06	0.008052528	0.002234251	0.06295146	0.022253906	5.90068E-06	23.4464817	2.79848E-05	0.000447722	0.000281653
2091 Apr	156.8509674	0.227582932	0.333170176	0.007393432	44.01457596	0.045159612	39.27684784	0.001024249	0.000973421	5.20664E-06	0.008054377	0.002234764	0.062965907	0.022259025	5.90203E-06	23.45187187	2.79912E-05	0.000447824	0.000281718
2091 May	156.8666077	0.227540046	0.333023369	0.007390819	44.01174545	0.045166988	39.27801895	0.001024707	0.000973904	5.20905E-06	0.008058147	0.002235833	0.062976278	0.022280272	5.90471E-06	23.46723938	2.80014E-05	0.000448121	0.000282006
2091 Jun	156.2938385	0.226230577	0.330594957	0.007341118	43.81086731	0.045019362	39.11633682	0.001023085	0.000972666	5.20139E-06	0.008046761	0.002232884	0.06276723	0.022315208	5.89581E-06	23.4601059	2.7946E-05	0.000448057	0.000282565
2091 Jul	156.5769043	0.226593137	0.331105232	0.007352751	43.88978577	0.045103379	39.18667984	0.00102503	0.000974534	5.21134E-06	0.008062246	0.002237184	0.062882453	0.022359442	5.90714E-06	23.50476837	2.79994E-05	0.000448945	0.000283118
2091 Aug	156.6149445	0.226520792	0.330948561	0.007349963	43.90185165	0.045125872	39.19781876	0.001025332	0.000974861	5.21311E-06	0.008064859	0.002238347	0.062906086	0.022371165	5.9095E-06	23.51361656	2.80058E-05	0.000449224	0.000283225
2091 Sep	156.5024719	0.22620371	0.330360144	0.007338187	43.86241913	0.045111045	39.17061996	0.001025102	0.000974724	5.21221E-06	0.00806339	0.002238153	0.062880136	0.022376511	5.90872E-06	23.5109005	2.79935E-05	0.000449302	0.000283239
2091 Oct	156.28685	0.225752488	0.329536021	0.00732124	43.79082489	0.045067042	39.1216011	0.001024195	0.000973945	5.20791E-06	0.008057813	0.002236702	0.062823594	0.022367939	5.90431E-06	23.49326134	2.79668E-05	0.000449142	0.000283058
2091 Nov	156.1157837	0.225418717	0.328915358	0.007308495	43.73329926	0.045033075	39.08228302	0.00102353	0.000973377	5.20473E-06	0.008053761	0.002235504	0.062778041	0.022360824	5.90098E-06	23.47938156	2.7946E-05	0.000448995	0.000282907
2091 Dec	156.1122742	0.225411013	0.328897953	0.007308154	43.7318573	0.045032822	39.08150101	0.001023531	0.000973381	5.20475E-06	0.008053817	0.002235507	0.062777549	0.022361098	5.901E-06	23.47940254	2.79458E-05	0.000448999	0.000282907
2092 Jan	156.1122437	0.225410551	0.328896463	0.007308127	43.73176956	0.045032881	39.08150482	0.001023534	0.000973384	5.20476E-06	0.008053846	0.002235515	0.062777668	0.022361234	5.90102E-06	23.47949409	2.79459E-05	0.000449001	0.000282909
2092 Feb	156.1134033	0.225412071	0.32889843	0.007308172	43.73207474	0.04503322	39.08179474	0.001023543	0.000973392	5.20481E-06	0.008053912	0.002235534	0.062778153	0.022361465	5.90107E-06	23.47971535	2.79461E-05	0.000449006	0.000282912
2092 Mar	156.1240692	0.225427449	0.328920782	0.007308668	43.73505783	0.04503629	39.08445358	0.001023613	0.000973459	5.20516E-06	0.008054462	0.002235687	0.062782429	0.022363013	5.90148E-06	23.48133087	2.7948E-05	0.000449036	0.000282931
2092 Apr	156.1537933	0.225470349	0.328983337	0.007310058	43.7433815	0.045044858	39.09188843	0.001023807	0.000973644	5.20615E-06	0.008055995	0.002236113	0.062794365	0.02236728	5.9026E-06	23.48580933	2.79533E-05	0.000449122	0.000282985
2092 May	156.1431122	0.225348368	0.32869339	0.00730447	43.7278595	0.04504133	39.08906937	0.001024143	0.000974027	5.20803E-06	0.008059116	0.002237317	0.062805317	0.022393204	5.90492E-06	23.50278282	2.7962E-05	0.000449503	0.000283346
2092 Jun	155.1271057	0.223023877	0.324577242	0.007219182	43.37195206	0.044745006	38.82472992	0.001020125	0.000970659	5.18886E-06	0.008030909	0.002231556	0.062473379	0.022428948	5.88433E-06	23.47053146	2.78544E-05	0.000449301	0.000284036
2092 Jul	155.0487976	0.222702697	0.3240152	0.007208029	43.34358978	0.044727657	38.80350876	0.001020073	0.000970697	5.18889E-06	0.008031361	0.002231793	0.062453486	0.022440307	5.88461E-06	23.47250366	2.78555E-05	0.000449496	0.000284175
2092 Aug	155.2901917	0.223005727	0.324449509	0.007217825	43.41370392	0.044800222	38.86493683	0.001021566	0.000972123	5.19658E-06	0.00804331	0.002235332	0.062552124	0.022474177	5.89351E-06	23.50772476	2.78971E-05	0.000450215	0.00028459
2092 Sep	155.3113556	0.222961754	0.324350983	0.007216013	43.4203949	0.044811737	38.87242889	0.001021678	0.00097225	5.1973E-06	0.008044748	0.002235992	0.06256815	0.022479853	5.89464E-06	23.51198387	2.79013E-05	0.000450384	0.000284636
2092 Oct	155.2370605	0.222765967	0.323996246	0.00720877	43.39310837	0.044794671	38.85883331	0.001021355	0.000971983	5.19588E-06	0.00804332	0.002235816	0.062559098	0.02247959	5.89346E-06	23.50726509	2.78953E-05	0.000450433	0.000284603
2092 Nov	155.2202148	0.222719312	0.323908657	0.007207	43.38634491	0.044791028	38.8560791	0.001021298	0.00097194	5.19564E-06	0.008043176	0.002235828	0.062558427	0.022480154	5.89331E-06	23.50662804	2.78944E-05	0.000450458	0.000284602
2092 Dec	155.2234344	0.222723976	0.323915213	0.007207147	43.38724136	0.044792	38.85687256	0.00102132	0.000971961	5.19576E-06	0.008043352	0.002235875	0.062559716	0.022480635	5.89343E-06	23.50712776	2.7895E-05	0.000450468	0.000284608
2093 Jan	155.2237701	0.222724453	0.323915809	0.00720716	43.38733292	0.044792105	38.85694504	0.001021323	0.000971964	5.19577E-06	0.008043371	0.00223588	0.062559836	0.022480706	5.89345E-06	23.50719261	2.78951E-05	0.000450469	0.000284609
2093 Feb	155.2249756	0.222726151	0.323918194	0.007207214	43.38766861	0.044792447	38.85724258	0.001021331	0.000971972	5.19581E-06	0.008043434	0.002235898	0.062560305	0.022480909	5.89349E-06	23.5073967	2.78953E-05	0.000450472	0.000284611
2093 Mar	155.2406158	0.222748533	0.323950678	0.007207938	43.39203262	0.044796951	38.86114883	0.001021434	0.000972069	5.19633E-06	0.008044244	0.002236123	0.062566593	0.022483183	5.89409E-06	23.50976944	2.78981E-05	0.000450518	0.00028464
2093 Apr	155.2722015	0.222793862	0.324016571	0.007209403	43.40086365	0.044806063	38.86905289	0.001021642	0.000972267	5.19739E-06	0.008045881	0.002236578	0.062579326	0.022487765	5.89529E-06	23.51455879	2.79038E-05	0.00045061	0.000284698
2093 May	155.2931824	0.222727314	0.323846668	0.007206266	43.39599609	0.044807758	38.87555313	0.001022059	0.000972713	5.19967E-06	0.008049631	0.002237993	0.062603101	0.022512179	5.89813E-06	23.53194046	2.79172E-05	0.000451017	0.000285041
2093 Jun	154.7319183	0.221256942	0.321269482	0.007153124	43.1804924	0.044622518	38.74051285	0.001019995	0.000971057	5.19024E-06	0.008036632	0.002236563	0.062462926	0.022557039	5.88906E-06	23.52953148	2.7876E-05	0.000451478	0.0002858
2093 Jul	154.9264832	0.221450046	0.321527004	0.007159299	43.23429871	0.044681165	38.79009247	0.001021342	0.000972366	5.19724E-06	0.008047575	0.002239805	0.062546879	0.022590514	5.8972E-06	23.56165314	2.79144E-05	0.000452171	0.000286214

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2093 Aug	155.1236572	0.221678033	0.321852028	0.007166712	43.29232025	0.044741776	38.84072495	0.001022542	0.000973517	5.20346E-06	0.008057194	0.002242754	0.062628232	0.022618243	5.90447E-06	23.59014511	2.79478E-05	0.000452769	0.000286549
2093 Sep	155.1186676	0.221563548	0.321619093	0.007162157	43.28845215	0.044745702	38.8431282	0.001022559	0.00097357	5.20377E-06	0.008058385	0.002243421	0.062640868	0.022625979	5.90529E-06	23.59416389	2.79512E-05	0.000452977	0.000286621
2093 Oct	154.743866	0.220778927	0.320217878	0.007133191	43.16114044	0.044656549	38.75987625	0.001020895	0.000972125	5.19587E-06	0.008048342	0.002240928	0.062546395	0.022611851	5.89726E-06	23.56358337	2.79089E-05	0.000452725	0.000286357
2093 Nov	154.6088867	0.220508248	0.319705158	0.007122709	43.1134491	0.044628493	38.72987747	0.001020419	0.00097173	5.19364E-06	0.008045856	0.00224016	0.062514745	0.022608796	5.89501E-06	23.55429268	2.78954E-05	0.000452662	0.000286272
2093 Dec	154.6118622	0.220512345	0.319710314	0.00712283	43.11423111	0.044629458	38.73061752	0.001020442	0.000971752	5.19375E-06	0.008046041	0.002240208	0.062516011	0.022609318	5.89514E-06	23.55480957	2.78959E-05	0.000452672	0.000286278
2094 Jan	154.6124878	0.220513016	0.319710821	0.007122844	43.11436081	0.044629671	38.73077774	0.001020448	0.000971758	5.19378E-06	0.008046092	0.002240222	0.062516332	0.022609496	5.89518E-06	23.55496407	2.78961E-05	0.000452675	0.00028628
2094 Feb	154.6131744	0.22051391	0.319711983	0.007122871	43.11454391	0.044629861	38.73094559	0.001020453	0.000971762	5.19381E-06	0.008046131	0.002240234	0.062516607	0.022609642	5.8952E-06	23.55509949	2.78962E-05	0.000452678	0.000286282
2094 Mar	154.62117	0.220525265	0.319728345	0.007123235	43.11676788	0.044632159	38.73293686	0.001020506	0.000971813	5.19408E-06	0.008046546	0.00224035	0.062519826	0.022610828	5.89551E-06	23.55633163	2.78977E-05	0.000452701	0.000286297
2094 Apr	154.6427002	0.220555976	0.31977284	0.007124227	43.12277222	0.044638369	38.73833084	0.001020648	0.000971948	5.1948E-06	0.008047666	0.002240662	0.062528528	0.022613989	5.89633E-06	23.559618	2.79016E-05	0.000452764	0.000286337
2094 May	154.5415649	0.220246822	0.319165498	0.007111934	43.07672501	0.044606101	38.71412277	0.001020498	0.000971895	5.19432E-06	0.008047548	0.002241165	0.062511876	0.022637732	5.89618E-06	23.56992149	2.78998E-05	0.000453071	0.000286687
2094 Jun	154.2923584	0.219470605	0.317679763	0.007081782	42.96974945	0.044527017	38.65304565	0.001019968	0.000971602	5.19232E-06	0.008045992	0.002242013	0.062462308	0.022688495	5.89488E-06	23.58947563	2.78926E-05	0.00045372	0.000287444
2094 Jul	154.6103668	0.219874188	0.318256259	0.007094838	43.05976868	0.044620935	38.73345947	0.001022041	0.000973588	5.20296E-06	0.008062574	0.002246779	0.062592983	0.022735769	5.90712E-06	23.63776207	2.79505E-05	0.000454696	0.000288033
2094 Aug	154.9395447	0.220317408	0.318895429	0.00710917	43.15301895	0.044718008	38.81646729	0.001024171	0.00097562	5.21386E-06	0.008079424	0.002251601	0.062726825	0.022783499	5.91958E-06	23.68725395	2.80089E-05	0.000455671	0.000288629
2094 Sep	154.960144	0.220280439	0.318797201	0.007107313	43.16220856	0.044730719	38.823246	0.001024194	0.000975659	5.21414E-06	0.008080528	0.002252099	0.06273859	0.02278669	5.9202E-06	23.68966293	2.80118E-05	0.000455793	0.00028864
2094 Oct	154.7804718	0.219852209	0.317994475	0.007090805	43.09692764	0.044688374	38.78877258	0.001023352	0.000974943	5.2103E-06	0.008076539	0.002251488	0.062710248	0.022786293	5.91678E-06	23.67884445	2.79946E-05	0.000455849	0.000288581
2094 Nov	154.5722656	0.219402865	0.317133784	0.007073151	43.01897049	0.044640698	38.74820709	0.001022513	0.000974238	5.20645E-06	0.008072705	0.002250729	0.062677369	0.022785749	5.91329E-06	23.66696358	2.79757E-05	0.000455887	0.000288506
2094 Dec	154.5595245	0.219375551	0.317080498	0.007072061	43.01416016	0.04463793	38.74578094	0.001022463	0.000974196	5.20622E-06	0.008072497	0.002250686	0.062675536	0.022785714	5.91309E-06	23.66623878	2.79746E-05	0.00045589	0.000288501
2095 Jan	154.5604248	0.219376475	0.317081183	0.00707208	43.01433945	0.044638216	38.74603271	0.001022471	0.000974204	5.20626E-06	0.008072568	0.002250706	0.062676042	0.022785965	5.91313E-06	23.66646004	2.79748E-05	0.000455895	0.000288504
2095 Feb	154.5612946	0.219377518	0.317082375	0.007072108	43.01455307	0.044638459	38.74625397	0.001022477	0.00097421	5.2063E-06	0.00807262	0.002250722	0.062676437	0.022786167	5.91317E-06	23.66664314	2.7975E-05	0.000455899	0.000288507
2095 Mar	154.5662079	0.219384447	0.317092299	0.00707233	43.01591492	0.044639871	38.74747849	0.00102251	0.000974241	5.20646E-06	0.008072877	0.002250795	0.062678419	0.022786915	5.91336E-06	23.6674118	2.79759E-05	0.000455913	0.000288516
2095 Apr	154.5933533	0.219422951	0.317147911	0.007073571	43.02346802	0.044647701	38.75427628	0.00102269	0.000974412	5.20738E-06	0.008074294	0.00225119	0.062689409	0.022790927	5.9144E-06	23.67157555	2.79808E-05	0.000455993	0.000288567
2095 May	154.5250549	0.219162315	0.316601753	0.00706262	42.98701859	0.04462513	38.73862839	0.001022708	0.000974519	5.20777E-06	0.008075704	0.002252162	0.062686116	0.022819448	5.91529E-06	23.68684006	2.79842E-05	0.000456395	0.000288978
2095 Jun	154.4511566	0.218768045	0.315749466	0.007045741	42.93839264	0.04459928	38.7212944	0.001023023	0.000974971	5.20987E-06	0.008080267	0.002254361	0.062693946	0.022873363	5.91838E-06	23.7185421	2.79978E-05	0.000457186	0.000289745
2095 Jul	154.7859039	0.219203904	0.316377014	0.007059881	43.03357315	0.044698585	38.80596542	0.001025186	0.000977039	5.22096E-06	0.008097442	0.002259314	0.062830649	0.022922063	5.93111E-06	23.76872826	2.80575E-05	0.000458188	0.00029035
2095 Aug	154.8110657	0.219106823	0.316192269	0.007056375	43.04252243	0.044714499	38.81567383	0.001025285	0.000977167	5.22173E-06	0.008098689	0.002260281	0.062851273	0.022930648	5.93249E-06	23.77436256	2.80609E-05	0.000458425	0.000290425
2095 Sep	154.8184814	0.218999133	0.315951437	0.007051825	43.03910065	0.044725176	38.820755	0.001025532	0.000977453	5.22322E-06	0.008101208	0.002261407	0.062872	0.022945916	5.93459E-06	23.78449059	2.80666E-05	0.00045874	0.000290589
2095 Oct	154.8127747	0.218939841	0.315820485	0.007049263	43.03474045	0.044726737	38.82183456	0.001025551	0.000977493	5.22345E-06	0.008101976	0.002261804	0.062879853	0.022951072	5.9351E-06	23.78731155	2.80683E-05	0.000458863	0.000290639
2095 Nov	154.7183533	0.218724146	0.315400064	0.007040715	42.99821854	0.044707391	38.80334473	0.001025241	0.000977248	5.22207E-06	0.00810064	0.00226162	0.062866651	0.022953713	5.93394E-06	23.78393555	2.806E-05	0.00045892	0.000290638
2095 Dec	154.708374	0.218699887	0.315349847	0.007039707	42.99400711	0.044705696	38.80152893	0.001025221	0.000977236	5.222E-06	0.008100636	0.002261637	0.06286601	0.022954492	5.9339E-06	23.78392792	2.80594E-05	0.000458936	0.000290642
2096 Jan	154.7091217	0.218700469	0.315349907	0.007039714	42.99412918	0.044705939	38.80174255	0.001025228	0.000977244	5.22204E-06	0.008100701	0.002261656	0.062866472	0.022954753	5.93395E-06	23.78414536	2.80596E-05	0.00045894	0.000290646
2096 Feb	154.7118225	0.218704194	0.315355122	0.007039831	42.99487305	0.044706706	38.8024025	0.001025247	0.000977261	5.22213E-06	0.008100843	0.002261697	0.062867545	0.022955205	5.93406E-06	23.7845974	2.80601E-05	0.000458949	0.000290652
2096 Mar	154.7171631	0.218711704	0.315365881	0.007040071	42.99635315	0.044708237	38.80373383	0.001025282	0.000977295	5.22231E-06	0.008101122	0.002261776	0.062869698	0.022956019	5.93426E-06	23.78543282	2.8061E-05	0.000458965	0.000290662
2096 Apr	154.7426453	0.21874772	0.315417767	0.00704123	43.00343704	0.044715598	38.81011963	0.001025451	0.000977456	5.22317E-06	0.008102455	0.002262148	0.062880032	0.022959812	5.93524E-06	23.78936005	2.80656E-05	0.00045904	0.00029071
2096 May	154.7563019	0.218668133	0.315213025	0.00703735	42.99375916	0.044715513	38.81832886	0.001025796	0.000977835	5.22514E-06	0.008105974	0.002263685	0.062910765	0.022984715	5.93794E-06	23.80669022	2.8078E-05	0.000459486	0.000291049
2096 Jun	153.9815216	0.216673806	0.311699688	0.006965094	42.68699265	0.044471793	38.6529541	0.001022947	0.000975541	5.21232E-06	0.008089914	0.002262271	0.0627717	0.023032926	5.92654E-06	23.79403687	2.80255E-05	0.00046022	0.00029177
2096 Jul	154.0992279	0.216678321	0.311644346	0.006964833	42.71372223	0.044508122	38.68584824	0.001023975	0.000976579	5.21783E-06	0.008099096	0.002265085	0.062838726	0.023064179	5.93326E-06	23.82003403	2.80585E-05	0.000460906	0.000292146
2096 Aug	154.3743134	0.217035115	0.312152624	0.006976295	42.791996	0.044590153	38.75550842	0.001025739	0.000978266	5.22689E-06	0.00811315	0.002269163	0.062951602	0.023104405	5.94367E-06	23.86151314	2.8107E-05	0.000461738	0.000292645
2096 Sep	154.3030853	0.216808438	0.311735094	0.00696784	42.76956558	0.04458018	38.74236298	0.001025378	0.000977971	5.22533E-06	0.008111736	0.002269012	0.06294173	0.02310247	5.94243E-06	23.85535622	2.80999E-05	0.000461788	0.000292566
2096 Oct	153.9870605	0.216165826	0.310565621	0.006943864	42.66127777	0.044512674	38.67315292	0.001024147	0.000976921	5.21952E-06	0.008104971	0.00226694	0.062866956	0.023087602	5.93655E-06	23.82794571	2.80673E-05	0.000461571	0.000292258
2096 Nov	153.9383545	0.216063753	0.310358077	0.006939718	42.64266205	0.044505164	38.66302109	0.001024055	0.000976862	5.21914E-06	0.008104917	0.002266804	0.062859274	0.023087794	5.93623E-06	23.82554436	2.80642E-05	0.000461585	0.000292229
2096 Dec	153.9395447	0.216065481	0.310360283	0.006939769	42.64299011	0.044505559	38.66330719	0.001024064	0.000976871	5.21919E-06	0.008104989	0.002266822	0.062859751	0.02308799	5.93628E-06	23.82574463	2.80645E-05	0.000461589	0.000292232
2097 Jan	153.9398041	0.216065854	0.31036067	0.006939778	42.64305496	0.044505645	38.6633606	0.001024066	0.000976873	5.2192E-06	0.008105006	0.002266826	0.062859826	0.023088055	5.9363E-06	23.82580185	2.80645E-05	0.00046159	0.000292232
2097 Feb	153.9399567	0.216065988	0.31036073	0.00693978	42.64308929	0.044505678	38.66339111	0.001024068	0.000976874	5.2192E-06	0.008105015	0.00226683	0.062859885	0.023088111	5.9363E-06	23.82584763	2.80645E-05	0.000461591	0.000292233
2097 Mar	153.9447021	0.216072619	0.310370207	0.006939992	42.64440155	0.044507053	38.66457748	0.001024099	0.000976904	5.21937E-06	0.008105266	0.0022669	0.062861815	0.023088841	5.93649E-06	23.82659531	2.80654E-05	0.000461605	0.000292243
2097 Apr	153.9775085	0.216118649	0.310436308	0.006941469	42.65348434	0.044516526	38.67281342	0.001024318	0.000977113	5.22048E-06	0.008106993	0.002267383	0.062875204	0.023093767	5.93775E-06	23.83167648	2.80714E-05	0.000461704	0.000292305
2097 May	154.0245819	0.216125071	0.31038186	0.006940776	42.66042709	0.0445306	38.68357086	0.001024878	0.000977683	5.22342E-06	0.008111714	0.002268778	0.062900268	0.023115529	5.94113E-06	23.84886932	2.80865E-05	0.000462059	0.000292597
2097 Jun	153.7080536	0.215302989	0.308843136	0.006909544	42.53987122	0.04444382	38.59837723	0.001024191	0.000977241	5.22044E-06	0.008108219	0.002268135	0.062805414	0.023149343	5.93805E-06	23.85407257	2.8068E-05	0.000462339	0.000293099
2097 Jul	153.9910736	0.215653017	0.309334993	0.006920795	42.61916733	0.044528686	38.66978455	0.001026099	0.000979074	5.23024E-06	0.00812345	0.002272484	0.062922731	0.023193169	5.94929E-06	23.89821815	2.81206E-05	0.000463235	0.000293642
2097 Aug	154.1853027	0.215875834	0.309649765	0.006927995	42.67621231	0.044588603	38.71970749	0.001027285	0.000980212	5.23639E-06	0.008132984	0.002275408	0.063003212	0.023220778	5.95649E-06	23.92648888	2.81536E-05	0.00046383	0.000293975
2097 Sep	154.2828827	0.215970904	0.30977115	0.006930862	42.70575333	0.044619694	38.745327	0.001027833	0.000980742	5.23928E-06	0.008137732	0.002276918	0.063044824	0.023234576	5.95998E-06	23.94045258	2.81701E-05	0.000464149	0.000294135
2097 Oct	154.2046661	0.215784222	0.309416682	0.006923653	42.67957306	0.044605486	38.72774124	0.001027533	0.000980497	5.23792E-06	0.008136331	0.002276547	0.063025981	0.02323357	5.95867E-06	23.93522453	2.81623E-05	0.000464136	0.00029409
2097 Nov	154.1449432	0.21565561	0.309176147	0.006918741	42.65908051	0.044593316	38.7141304	0.001027314	0.000980316	5.23689E-06	0.008135164	0.00227621	0.063010991	0.023232365	5.95764E-06	23.93109894	2.81562E-05	0.00046411	0.000294055
2097 Dec	154.1331329	0.215631023	0.309131354	0.006917818	42.65516663	0.04459076	38.71144867	0.001027262	0.000980271	5.23665E-06	0.008134866	0.002276128	0.063007854	0.023231864	5.95739E-06	23.93009949	2.81548E-05	0.000464101	0.000294045
2098 Jan	154.1335754	0.215631261	0.309130907	0.006917814	42.65521622	0.044590931	38.7115593	0.001027269	0.000980278	5.23668E-06	0.008134918	0.002276142	0.06300813	0.023232074	5.95743E-06	23.93026733	2.81549E-05	0.000464105	0.000294047
2098 Feb	154.1343842	0.215632245	0.309132099	0.006917842	42.65542221	0.044591151	38.71174622	0.001027275	0.000980283	5.23671E-06	0.008134965	0.002276156	0.063008443	0.023232261	5.95746E-06	23.93043518	2.81551E-05	0.000464108	0.00029405
2098 Mar	154.1375427	0.215636611	0.309138298	0.00691798	42.65629196	0.044592053	38.71252823	0.001027296	0.000980304	5.23682E-06	0.008135131	0.002276203	0.063009709	0.02323276	5.95758E-06	23.93094254	2.81557E-05	0.000464117	0.000294056
2098 Apr	154.1549835	0.21565786	0.309164912	0.006918595	42.66088104	0.044596881	38.71669006	0.001027418	0.000980422	5.23745E-06	0.008136093	0.002276494	0.063016616	0.023236416	5.95829E-06	23.93434525	2.8159E-05	0.00046418	0.000294106
2098 May	154.0193634	0.215245396	0.308328301	0.006901793	42.60149002	0.044555102	38.67060089	0.001027508	0.000980647	5.23811E-06	0.008136787	0.002277047	0.062963597	0.02328012	5.95881E-06	23.95683861	2.81562E-05	0.000464559	0.000294788
2098 Jun	153.2696991	0.213528126	0.305266708	0.006838319	42.34988403	0.044330686	38.44796753	0.00102476	0.000978385	5.22476E-06	0.008115374	0.002272124	0.062647715	0.023323869	5.94311E-06	23.94510078	2.80733E-05	0.000464236	0.000295678
2098 Jul	153.5747375	0.213905305	0.305790156	0.006850319	42.43455505	0.044420671	38.52371216	0.001026853	0.000980399	5.23549E-06	0.008132068	0.002276847	0.062772281	0.023373535	5.95537E-06	23.99446297	2.81311E-05	0.000465221	0.000296306
2098 Aug	153.6556091	0.213908836	0.305759788	0.006850157	42.46043777	0.044452328	38.54481125	0.001027337	0.000980888	5.23816E-06	0.008136095	0.002278409	0.062808596	0.023388878	5.95872E-06	24.00801849	2.81438E-05	0.00046557	0.000296473
2098 Sep	153.3698883	0.213287294	0.30465591	0.006827408	42.37107086	0.044391733	38.47092438	0.001026142	0.000979866	5.23242E-06	0.008127503	0.002276183	0.062709868	0.023380717	5.95241E-06	23.98669243	2.81045E-05	0.000465285	0.000296325
2098 Oct	153.0546112	0.212685749	0.303544492	0.00680448	42.26958847	0.044326283	38.39226151	0.00102487	0.000978767	5.22624E-06	0.008119164	0.002273603	0.062607199	0.023367481	5.94558E-06	23.96104431	2.80637E-05	0.000464915	0.000296082
2098 Nov	152.940155	0.212472528	0.303144068	0.006796221	42.23225784	0.044303238	38.36494446	0.001024398	0.000978357	5.22395E-06	0.008116259	0.00227269	0.062572978	0.023361869	5.94312E-06	23.95121574	2.80492E-05	0.000464786	0.000295975
2098 Dec	152.942688	0.212475881	0.303147972	0.006796314	42.23291779	0.044304095	38.36557388	0.001024418	0.000978377	5.22406E-06	0.008116424	0.002272733	0.062574074	0.023362342	5.94323E-06	23.95167542	2.80497E-05	0.000464795	0.000295981
2099 Jan	152.9434814	0.21247682	0.303148866	0.006796337	42.23310471	0.044304352	38.3657608	0.001024424	0.000978383	5.22409E-06	0.008116481	0.002272749	0.062574431	0.023362536	5.94327E-06	23.95185089	2.80499E-05	0.000464798	0.000295983
2099 Feb	152.9445801	0.212478235	0.303150654	0.006796378	42.23338699	0.044304673	38.36603165	0.001024433	0.000978391	5.22413E-06	0.008116543	0.002272767	0.062574878	0.02336276	5.94332E-06	23.9520607	2.80501E-05	0.000464802	0.000295986
2099 Mar	152.9553986	0.212493226	0.303171992	0.006796857	42.2363739	0.044307802	38.36874008	0.001024505	0.00097846	5.2245E-06	0.008117118	0.002272928	0.062579297	0.023364432	5.94374E-06	23.95376968	2.80521E-05	0.000464835	0.000296008
2099 Apr	152.9992676	0.212548614	0.30324319	0.006798489	42.24808121	0.044320174	38.37930679	0.001024809	0.000978753	5.22606E-06	0.008119516	0.00227364	0.062596746	0.023373056	5.94551E-06	23.96194649	2.80602E-05	0.000464988	0.000296123
2099 May	152.6169281	0.211632237	0.301423728	0.0067608	42.10914612	0.044200435	38.25516129	0.001023599	0.000977835	5.22025E-06	0.008109655	0.002272324	0.0624214	0.023439817	5.93847E-06	23.98741531	2.80155E-05	0.000465197	0.00029729
2099 Jun	152.3368073	0.210938022	0.300155729	0.006734409	42.01859283	0.044114802	38.1685791	0.001022377	0.000976815	5.21436E-06	0.008100367	0.00227059	0.062293395	0.023463797	5.9317E-06	23.98772049	2.79803E-05	0.000465132	0.000297763
2099 Jul	152.6015167	0.211251065	0.300585598	0.006744327	42.09272385	0.044193983	38.23467636	0.001024166	0.000978539	5.22357E-06	0.008114659	0.002274734	0.06240201	0.023507105	5.94228E-06	24.03047562	2.80297E-05	0.000465996	0.000298307
2099 Aug	152.8516083	0.211530969	0.300967276	0.006753149	42.16535568	0.044271667	38.29852676	0.001025729	0.000980045	5.23168E-06	0.008127272	0.002278589	0.062506326	0.023544915	5.95176E-06	24.06857681	2.80728E-05	0.000466798	0.000298765
2099 Sep	152.7251129	0.211212963	0.300392866	0.006741324	42.12670135	0.044247098	38.26683044	0.00102512	0.000979525	5.22882E-06	0.008123036	0.002277795	0.062465508	0.023543799	5.94882E-06	24.06045723	2.80534E-05	0.000466733	0.000298727
2099 Oct	152.5460205	0.210843086	0.299696594	0.006726961	42.06795883	0.044208873	38.22236252	0.001024367	0.000978882	5.22522E-06	0.008118224	0.002276557	0.062409062	0.023541402	5.94497E-06	24.04918289	2.80301E-05	0.000466596	0.000298668
2099 Nov	152.4326172	0.210625067	0.299290717	0.006718543	42.03104401	0.044184104	38.19486618	0.001023862	0.000978439	5.22277E-06	0.008114948	0.002275667	0.062373817	0.023537306	5.94234E-06	24.04037476	2.80149E-05	0.000466477	0.000298594
2099 Dec	152.4354095	0.210628957	0.299295783	0.00671866	42.03179932	0.044184987	38.19554901	0.001023882	0.000978459	5.22288E-06	0.008115114	0.002275711	0.062374957	0.023537777	5.94245E-06	24.04084587	2.80154E-05	0.000466486	0.0002986
2100 Jan	152.4354248	0.210628733	0.299294859	0.006718643	42.03175354	0.044185024	38.19554901	0.001023885	0.000978462	5.22289E-06	0.008115133	0.002275716	0.062375017	0.023537889	5.94247E-06	24.04092407	2.80154E-05	0.000466488	0.000298601
2100 Feb	152.4357452	0.210629001	0.299295008	0.006718647	42.0318222	0.044185117	38.19562149	0.001023888	0.000978465	5.2229E-06	0.008115157	0.002275724	0.062375162	0.023538005	5.94248E-06	24.04102135	2.80155E-05	0.000466489	0.000298603
2100 Mar	152.4380341	0.210632116	0.29929933	0.006718745	42.032444	0.044185765	38.19618607	0.001023903	0.000978479	5.22298E-06	0.008115279	0.002275758	0.062376078	0.023538375	5.94257E-06	24.04139328	2.80159E-05	0.000466497	0.000298608
2100 Apr	152.4741058	0.210681945	0.29937011	0.006720334	42.04238892	0.044196222	38.20522308	0.001024145	0.000978711	5.22422E-06	0.008117198	0.002276297	0.062390834	0.023543954	5.94398E-06	24.04709053	2.80226E-05	0.000466607	0.000298679
2100 May	152.3787537	0.21036686	0.298700988	0.006706906	41.99577713	0.04416547	38.17396545	0.001024267	0.000978941	5.22504E-06	0.008118376	0.002277156	0.062361032	0.023584411	5.94491E-06	24.06966782	2.80223E-05	0.000467019	0.000299298

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2100 Jun	151.6862488	0.208810896	0.295928627	0.006649121	41.76312256	0.043954223	37.97434998	0.001021413	0.000976526	5.21115E-06	0.008096504	0.002272487	0.062080108	0.023619372	5.92904E-06	24.05532646	2.79398E-05	0.000466697	0.000300046
2100 Jul	151.7171936	0.2087145	0.295732945	0.006645516	41.77079773	0.043965273	37.98077011	0.001021749	0.000976895	5.21307E-06	0.008099764	0.002273647	0.062095866	0.023636229	5.93145E-06	24.0670929	2.79518E-05	0.000467015	0.000300266
2100 Aug	151.6634216	0.208477408	0.295318872	0.006637231	41.75426102	0.043960594	37.96802139	0.001021579	0.00097679	5.21247E-06	0.008098518	0.002273818	0.062084306	0.023641896	5.93111E-06	24.06684494	2.79447E-05	0.000467126	0.000300311
2100 Sep	151.6130219	0.208296463	0.294987023	0.006630614	41.73707581	0.043955695	37.955616	0.001021481	0.000976744	5.21215E-06	0.008097869	0.002273892	0.062073398	0.023646839	5.93094E-06	24.06704521	2.79389E-05	0.000467212	0.000300347
2100 Oct	151.6016388	0.208236143	0.294862509	0.006628158	41.73262787	0.043956254	37.95383072	0.001021466	0.000976748	5.21217E-06	0.008098178	0.002274072	0.062074535	0.023649691	5.93111E-06	24.06807518	2.79388E-05	0.000467279	0.000300368
2100 Nov	151.6058197	0.208232507	0.294847965	0.006627913	41.733284	0.043958362	37.95512009	0.001021516	0.0009768	5.21244E-06	0.008098662	0.002274224	0.062077742	0.023651578	5.93145E-06	24.06952667	2.79401E-05	0.000467317	0.000300389
2100 Dec	151.6106873	0.208239257	0.294857293	0.006628124	41.73462677	0.043959826	37.95632935	0.001021549	0.000976833	5.21261E-06	0.008098931	0.002274298	0.062079728	0.023652351	5.93165E-06	24.0703125	2.7941E-05	0.000467332	0.000300399
2101 Jan	151.6118164	0.208240807	0.29485935	0.006628171	41.73493576	0.043960162	37.956604	0.001021557	0.00097684	5.21265E-06	0.008098994	0.002274315	0.062080167	0.023652546	5.93169E-06	24.07050705	2.79413E-05	0.000467336	0.000300401
2101 Feb	151.6122589	0.208241373	0.294860065	0.006628187	41.73505783	0.043960281	37.95670319	0.00102156	0.000976843	5.21267E-06	0.008099017	0.002274322	0.062080327	0.023652637	5.93171E-06	24.07059288	2.79413E-05	0.000467337	0.000300403
2101 Mar	151.61409	0.208243862	0.294863582	0.006628266	41.73556137	0.043960806	37.95715332	0.001021573	0.000976855	5.21273E-06	0.008099114	0.00227435	0.062081061	0.023652934	5.93178E-06	24.07089043	2.79417E-05	0.000467343	0.000300406
2101 Apr	151.6354523	0.208273083	0.294904858	0.006629194	41.74144745	0.043966986	37.9624939	0.001021716	0.000976992	5.21346E-06	0.008100252	0.00227467	0.062089778	0.023656292	5.93262E-06	24.07429695	2.79456E-05	0.000467409	0.000300449
2101 May	151.5210876	0.207933962	0.294249505	0.006615972	41.69232178	0.043930713	37.92496872	0.00102172	0.000977102	5.21364E-06	0.008099791	0.002274971	0.06204671	0.023688445	5.93265E-06	24.09012985	2.79404E-05	0.00046768	0.000300958
2101 Jun	151.0980072	0.206932455	0.292510033	0.006579863	41.55015182	0.043802042	37.80192184	0.001020092	0.00097575	5.20577E-06	0.008086607	0.002272255	0.061875064	0.023711268	5.9236E-06	24.08195877	2.78914E-05	0.000467524	0.000301433
2101 Jul	151.3779144	0.207272917	0.29297778	0.006590611	41.62741852	0.043884031	37.87176132	0.001022002	0.000977589	5.21558E-06	0.00810191	0.00227664	0.061990608	0.023757745	5.93485E-06	24.12784767	2.79445E-05	0.000468447	0.000302023
2101 Aug	151.6466064	0.207605585	0.293444514	0.006601201	41.70391846	0.043963835	37.94005203	0.001023706	0.000979223	5.22435E-06	0.008115633	0.002280698	0.062101658	0.023798211	5.94501E-06	24.16896248	2.79923E-05	0.000469285	0.000302527
2101 Sep	151.6029968	0.207453609	0.293168843	0.006595585	41.69458389	0.043961644	37.92989731	0.001023404	0.000978964	5.223E-06	0.00811384	0.002280432	0.062088124	0.02379502	5.94375E-06	24.1636982	2.79835E-05	0.000469265	0.000302449
2101 Oct	151.5497742	0.207307935	0.292885095	0.006589854	41.67531967	0.043952081	37.9178772	0.001023242	0.000978846	5.22232E-06	0.008113236	0.002280367	0.062077299	0.023798162	5.94317E-06	24.16272736	2.7979E-05	0.000469315	0.000302471
2101 Nov	151.3986664	0.207006782	0.292335331	0.006578495	41.62438965	0.043917764	37.8824234	0.001022611	0.000978301	5.21929E-06	0.008109236	0.002279297	0.062034857	0.023793399	5.93999E-06	24.15139198	2.79607E-05	0.000469194	0.000302379
2101 Dec	151.381073	0.206972137	0.292265445	0.006577083	41.61785507	0.043914564	37.87823486	0.001022573	0.000978274	5.21911E-06	0.008109069	0.002279221	0.062030565	0.023793764	5.9398E-06	24.15076637	2.79591E-05	0.000469192	0.000302378
2102 Jan	151.3808899	0.206971467	0.292263687	0.006577049	41.61772919	0.043914545	37.87818527	0.001022575	0.000978276	5.21912E-06	0.008109086	0.002279226	0.062030587	0.023793887	5.93981E-06	24.15084457	2.79591E-05	0.000469194	0.000302379
2102 Feb	151.3817902	0.206972584	0.292265087	0.006577082	41.61796188	0.043914787	37.87839508	0.001022581	0.000978282	5.21916E-06	0.008109136	0.002279241	0.06203093	0.023794083	5.93985E-06	24.15102386	2.79593E-05	0.000469197	0.000302382
2102 Mar	151.3848724	0.206976771	0.292270899	0.006577213	41.61880875	0.043915674	37.87915802	0.001022602	0.000978302	5.21926E-06	0.008109301	0.002279288	0.062032182	0.023794593	5.93997E-06	24.15153503	2.79598E-05	0.000469207	0.000302388
2102 Apr	151.4009857	0.206998765	0.292301923	0.006577911	41.6232338	0.043920338	37.88318253	0.001022711	0.000978406	5.21982E-06	0.008110163	0.002279531	0.062038757	0.023797136	5.9406E-06	24.15411186	2.79628E-05	0.000469257	0.000302421
2102 May	151.4788055	0.207104698	0.292451441	0.006581277	41.64466095	0.043942906	37.90266037	0.001023235	0.000978908	5.22249E-06	0.008114322	0.002280703	0.062070649	0.023809368	5.94365E-06	24.16652107	2.79772E-05	0.000469498	0.000302576
2102 Jun	150.7892609	0.205650359	0.290075958	0.006533071	41.40616608	0.043773353	37.73650742	0.001021405	0.000977448	5.21381E-06	0.008102875	0.002275615	0.061880682	0.023772374	5.93398E-06	24.10330772	2.79287E-05	0.0004689	0.000301917
2102 Jul	150.5722656	0.205066338	0.289110273	0.006514071	41.32702637	0.043729164	37.68419266	0.001021319	0.000977514	5.21372E-06	0.008103677	0.002274806	0.061832484	0.023768593	5.93397E-06	24.08774757	2.79276E-05	0.000468981	0.000301755
2102 Aug	150.738327	0.205230057	0.289326668	0.006519253	41.37539673	0.043783344	37.72692871	0.001022398	0.000978561	5.21935E-06	0.008112402	0.002277471	0.061903637	0.023794129	5.94058E-06	24.11312294	2.79569E-05	0.0004695	0.000302052
2102 Sep	150.7535858	0.20518209	0.289219648	0.006517386	41.379879	0.043796636	37.73165131	0.001022622	0.000978802	5.22062E-06	0.008114584	0.002278068	0.061916165	0.023799138	5.94217E-06	24.11680984	2.79623E-05	0.0004696	0.000302075
2102 Oct	150.4487915	0.204627529	0.288291216	0.006498192	41.28813934	0.043733705	37.65689468	0.001021328	0.000977651	5.21424E-06	0.008105708	0.002274847	0.061813962	0.023766428	5.93497E-06	24.07805824	2.79232E-05	0.000469117	0.000301542
2102 Nov	150.450882	0.204624876	0.288278013	0.006497991	41.28820801	0.043735985	37.6573922	0.001021392	0.000977717	5.21458E-06	0.00810629	0.002274953	0.06181591	0.023767693	5.93534E-06	24.07904053	2.79246E-05	0.000469143	0.000301551
2102 Dec	150.4538269	0.204628944	0.288283497	0.006498116	41.28901291	0.043736886	37.65812302	0.001021413	0.000977737	5.21468E-06	0.008106458	0.002274998	0.061817102	0.023768172	5.93546E-06	24.07952309	2.79251E-05	0.000469152	0.000301557
2103 Jan	150.4545441	0.204629928	0.288284749	0.006498145	41.28921509	0.043737111	37.65829468	0.001021418	0.000977742	5.21471E-06	0.0081065	0.00227501	0.061817382	0.02376831	5.93549E-06	24.07965469	2.79252E-05	0.000469155	0.000301559
2103 Feb	150.4565277	0.20463258	0.288288444	0.006498228	41.28975296	0.043737672	37.65877533	0.001021432	0.000977755	5.21478E-06	0.008106605	0.00227504	0.061818171	0.023768641	5.93557E-06	24.07998657	2.79256E-05	0.000469161	0.000301563
2103 Mar	150.4608765	0.204638496	0.288296729	0.006498415	41.29094696	0.043738931	37.65986252	0.001021461	0.000977784	5.21493E-06	0.008106839	0.002275106	0.061819948	0.023769341	5.93574E-06	24.08069229	2.79264E-05	0.000469175	0.000301572
2103 Apr	150.4832458	0.204668924	0.288339555	0.00649938	41.29708862	0.043745432	37.66545486	0.001021613	0.000977929	5.21571E-06	0.008108044	0.002275444	0.061829131	0.023772884	5.93663E-06	24.08427811	2.79306E-05	0.000469244	0.000301617
2103 May	150.4057465	0.204415619	0.287844032	0.006489644	41.2580986	0.043723375	37.64388275	0.001021856	0.000978251	5.21711E-06	0.008110339	0.002276089	0.061815843	0.023796804	5.93823E-06	24.0963707	2.79358E-05	0.000469554	0.000301951
2103 Jun	149.6826477	0.202827901	0.285146981	0.006433849	41.01226044	0.043512397	37.44921494	0.001019229	0.00097605	5.20438E-06	0.008090991	0.002270916	0.061558772	0.023801791	5.92382E-06	24.05964088	2.78643E-05	0.000469091	0.000302152
2103 Jul	149.7372894	0.202754244	0.28498894	0.006431262	41.0250473	0.043534186	37.46227264	0.001019873	0.000976719	5.20787E-06	0.00809642	0.002272576	0.061588109	0.023822466	5.92797E-06	24.07515335	2.78827E-05	0.000469503	0.000302399
2103 Aug	149.687912	0.202510372	0.284576714	0.006423352	41.00695038	0.043537617	37.44960022	0.001020081	0.000976993	5.20915E-06	0.008097273	0.002273092	0.061579362	0.023831939	5.92951E-06	24.07740974	2.78805E-05	0.000469645	0.000302469
2103 Sep	149.5659027	0.202214599	0.284052491	0.006412727	40.96884918	0.043518532	37.42087936	0.001019638	0.000976631	5.20712E-06	0.008094449	0.002272339	0.0615451	0.023826536	5.92744E-06	24.06645966	2.78655E-05	0.000469554	0.000302339
2103 Oct	149.2236786	0.2015955	0.282963097	0.006390227	40.86209106	0.043450769	37.3375473	0.001018229	0.000975392	5.20021E-06	0.008084651	0.002269129	0.061433617	0.023799509	5.91972E-06	24.02971458	2.78193E-05	0.000468992	0.000301878
2103 Nov	149.1335449	0.201437563	0.282673657	0.006384281	40.83375549	0.043434594	37.31558228	0.001017886	0.000975093	5.19852E-06	0.008082393	0.002268303	0.061404664	0.023792619	5.91783E-06	24.02030373	2.78074E-05	0.000468847	0.000301752
2103 Dec	149.1347809	0.201439023	0.282674879	0.006384315	40.83403778	0.043435082	37.31588745	0.001017898	0.000975105	5.19859E-06	0.008082495	0.002268328	0.061405256	0.023792911	5.9179E-06	24.02056885	2.78077E-05	0.000468852	0.000301756
2104 Jan	149.1348419	0.201439008	0.282674491	0.006384309	40.83403015	0.04343513	37.31589508	0.0010179	0.000975107	5.1986E-06	0.00808251	0.002268332	0.061405297	0.023792978	5.91791E-06	24.02062035	2.78077E-05	0.000468853	0.000301756
2104 Feb	149.135498	0.201439798	0.282675505	0.006384332	40.83420181	0.043435317	37.31604767	0.001017905	0.000975112	5.19862E-06	0.008082548	0.002268343	0.061405554	0.023793122	5.91794E-06	24.02075195	2.78079E-05	0.000468855	0.000301758
2104 Mar	149.1400909	0.201445997	0.282684118	0.006384527	40.83546066	0.04343665	37.31718826	0.001017936	0.000975142	5.19878E-06	0.008082797	0.002268413	0.061407425	0.023793869	5.91812E-06	24.02150345	2.78087E-05	0.0004687	0.000301768
2104 Apr	149.1751709	0.201493353	0.282750547	0.006386028	40.84506226	0.043446861	37.32595825	0.001018176	0.000975371	5.20001E-06	0.008084697	0.002268947	0.06142186	0.023799473	5.91951E-06	24.02715683	2.78153E-05	0.0004698	0.000301839
2104 May	149.0231934	0.201104879	0.28197667	0.006370496	40.78420639	0.04340823	37.2768898	0.001018178	0.000975497	5.20015E-06	0.008084442	0.002268908	0.061361548	0.023830384	5.9193E-06	24.04031181	2.7807E-05	0.0004691	0.000302309
2104 Jun	148.4338074	0.199866399	0.279835045	0.006325811	40.59798431	0.043243576	37.1082077	0.001015668	0.000973325	5.18777E-06	0.008064756	0.002263848	0.061113663	0.023831274	5.90487E-06	24.00828362	2.77309E-05	0.000468507	0.000302476
2104 Jul	148.5999756	0.200008258	0.28000477	0.006330137	40.64442444	0.04329602	37.1490593	0.001016874	0.000974507	5.19405E-06	0.008074509	0.002266728	0.06118283	0.0238628	5.91213E-06	24.03752708	2.77642E-05	0.000469128	0.000302868
2104 Aug	148.7295074	0.200104892	0.280115724	0.006333048	40.68260574	0.043340556	37.18224335	0.001017725	0.000975342	5.19854E-06	0.00808135	0.002268957	0.06123868	0.023885099	5.91747E-06	24.05861473	2.77867E-05	0.000469602	0.000303127
2104 Sep	148.5891876	0.199780762	0.279547602	0.006321416	40.64058304	0.043315779	37.14587784	0.001017156	0.000974862	5.19584E-06	0.008077043	0.002267868	0.061189801	0.023879539	5.91451E-06	24.046875	2.77658E-05	0.0004694	0.000303014
2104 Oct	148.3526001	0.199348003	0.278762251	0.0063052	40.56737518	0.043269325	37.08527756	0.001016198	0.000974025	5.19113E-06	0.008070335	0.002265669	0.061106324	0.023865096	5.90914E-06	24.02458954	2.7733E-05	0.0004698	0.000302766
2104 Nov	148.2926331	0.19924067	0.278558403	0.006301028	40.54839325	0.043258891	37.06988144	0.00101599	0.000973849	5.19011E-06	0.008068967	0.002265151	0.061085761	0.023862034	5.90796E-06	24.01943398	2.77251E-05	0.0004689	0.000302706
2104 Dec	148.2949371	0.199243844	0.278562605	0.006301124	40.54902267	0.043259613	37.07044601	0.001016007	0.000973865	5.1902E-06	0.008069103	0.002265187	0.061086699	0.02386242	5.90806E-06	24.01981926	2.77256E-05	0.000469003	0.000302711
2105 Jan	148.2950439	0.199243978	0.278562665	0.006301126	40.54904556	0.04325965	37.07046127	0.001016008	0.000973866	5.1902E-06	0.00806911	0.002265188	0.061086714	0.023862459	5.90807E-06	24.01985168	2.77256E-05	0.000469003	0.000302711
2105 Feb	148.2958832	0.199245065	0.278564125	0.006301159	40.54927444	0.043259885	37.07065964	0.001016014	0.000973872	5.19023E-06	0.008069154	0.002265201	0.061087035	0.023862615	5.9081E-06	24.02000237	2.77257E-05	0.000469006	0.000302713
2105 Mar	148.2974701	0.199247211	0.278567046	0.006301226	40.54971313	0.043260347	37.07105255	0.001016025	0.000973883	5.19029E-06	0.008069241	0.002265226	0.06108769	0.023862885	5.90816E-06	24.0202713	2.7726E-05	0.000469011	0.000302717
2105 Apr	148.3166199	0.199272916	0.278602958	0.006302038	40.55494308	0.043265924	37.07583237	0.001016156	0.000974008	5.19096E-06	0.008070282	0.002265519	0.061095562	0.023865972	5.90892E-06	24.02337646	2.77296E-05	0.000469072	0.000302756
2105 May	148.202179	0.19896917	0.277991265	0.006289732	40.50946045	0.043236401	37.03773499	0.001016139	0.000974089	5.19098E-06	0.008069941	0.002265529	0.061047804	0.023891723	5.90867E-06	24.03499222	2.77227E-05	0.000469237	0.000303153
2105 Jun	147.9826202	0.198414117	0.276950598	0.006268464	40.432724	0.043176215	36.96857071	0.001015601	0.000973718	5.18848E-06	0.008065651	0.002264633	0.060952649	0.023918388	5.90554E-06	24.04101753	2.77018E-05	0.000469297	0.000303599
2105 Jul	148.1755524	0.1986029	0.277199209	0.006274427	40.4879303	0.04323696	37.01758575	0.001016885	0.000974964	5.19516E-06	0.00807597	0.002267797	0.061033811	0.023950579	5.91335E-06	24.07204247	2.77372E-05	0.000469958	0.000303992
2105 Aug	148.0632782	0.198253036	0.276598603	0.006262288	40.45426559	0.04322248	36.98944473	0.001016479	0.000974653	5.19339E-06	0.008072423	0.002267415	0.060999241	0.023952551	5.91164E-06	24.06595421	2.77192E-05	0.000469948	0.000303975
2105 Sep	147.7702332	0.197647467	0.275543571	0.006240534	40.36263657	0.043166816	36.91744614	0.001015245	0.000973583	5.18743E-06	0.008062808	0.002265038	0.060905617	0.023937508	5.90515E-06	24.03983307	2.76738E-05	0.000469585	0.000303696
2105 Oct	147.5344391	0.197207794	0.274744183	0.006223976	40.28749847	0.043121129	36.86343002	0.001014168	0.000972629	5.18221E-06	0.00805565	0.002263052	0.060838047	0.023921117	5.8996E-06	24.01609421	2.76398E-05	0.000469271	0.000303398
2105 Nov	147.4409943	0.197041631	0.274435073	0.006217588	40.25740051	0.043103777	36.84202194	0.001013763	0.000972273	5.18025E-06	0.008053039	0.002262262	0.06081152	0.02391454	5.8975E-06	24.00675011	2.76266E-05	0.000469144	0.000303276
2105 Dec	147.441452	0.197042033	0.274434745	0.006217587	40.25745773	0.043104026	36.8421402	0.00101377	0.00097228	5.18028E-06	0.008053098	0.002262276	0.060811818	0.023914717	5.89754E-06	24.00689888	2.76268E-05	0.000469147	0.000303277
2106 Jan	147.4414063	0.197041869	0.27443409	0.006217576	40.25741959	0.043104053	36.84212875	0.001013771	0.000972281	5.18029E-06	0.008053108	0.002262279	0.060811836	0.023914775	5.89754E-06	24.00693893	2.76268E-05	0.000469148	0.000303278
2106 Feb	147.4416351	0.197042078	0.274434209	0.006217579	40.25746536	0.04310412	36.84217834	0.001013773	0.000972283	5.1803E-06	0.008053125	0.002262284	0.060811929	0.023914859	5.89755E-06	24.0070076	2.76268E-05	0.000469149	0.000303279
2106 Mar	147.4438782	0.197045058	0.274438322	0.006217672	40.25807571	0.043104768	36.84273529	0.001013789	0.000972298	5.18038E-06	0.008053246	0.002262319	0.060812838	0.023915239	5.89764E-06	24.00738335	2.76273E-05	0.000469156	0.000303284
2106 Apr	147.4689331	0.197078541	0.274484932	0.006218728	40.26491928	0.043112088	36.84899139	0.001013961	0.000972463	5.18126E-06	0.008054614	0.002262703	0.060823169	0.023919312	5.89865E-06	24.01147079	2.7632E-05	0.000469236	0.000303336
2106 May	147.4992065	0.197070464	0.274409384	0.006217524	40.26719666	0.043122303	36.85541534	0.001014409	0.000972924	5.18361E-06	0.008058238	0.002263834	0.060840834	0.023938647	5.90133E-06	24.02627182	2.76425E-05	0.000469528	0.000303596
2106 Jun	146.8383636	0.195675522	0.271958292	0.006166741	40.04438019	0.042943634	36.67845535	0.001011901	0.000970802	5.17142E-06	0.008039488	0.002259102	0.060605142	0.023944156	5.88756E-06	23.99418068	2.75658E-05	0.000469048	0.00030376
2106 Jul	146.9619598	0.195703134	0.271935821	0.006167221	40.07627869	0.042987365	36.70898056	0.001013019	0.000971925	5.17733E-06	0.008048795	0.002261786	0.060663372	0.023974948	5.89446E-06	24.02033424	2.75967E-05	0.000469667	0.000304126
2106 Aug	146.8826294	0.195404053	0.271429002	0.006157259	40.05031967	0.042985074	36.69129944	0.001012952	0.000971938	5.17727E-06	0.008047913	0.002261924	0.060648959	0.023978114	5.8947E-06	24.0167408	2.75878E-05	0.000469749	0.000304092
2106 Sep	146.6389008	0.194885164	0.270549029	0.006139294	39.973423	0.042943928	36.63383102	0.00101205	0.000971173	5.17298E-06	0.00804079	0.002260026	0.06057917	0.023961486	5.89008E-06	23.99209404	2.75523E-05	0.000469458	0.000303764
2106 Oct	146.5579834	0.194714233	0.270231456	0.006132872	39.94644165	0.042932495	36.61620712	0.001011786	0.000970958	5.17176E-06	0.00803927	0.002259545	0.060560819	0.023957193	5.88887E-06	23.98476982	2.75425E-05	0.0004694	0.000303656
2106 Nov	146.571228	0.194731072	0.27025339	0.006133382	39.94997787	0.042936601	36.61954498	0.001011882	0.000971051	5.17225E-06	0.008040045	0.00225976	0.060566492	0.023959488	5.88943E-06	23.98702621	2.75451E-05	0.000469445	0.000303685
2106 Dec	146.5730438	0.19473353	0.270256639	0.006133457	39.95046997	0.042937163	36.61998749	0.001011895	0.000971063	5.17232E-06	0.008040152	0.002259788	0.060567234	0.023959795	5.88951E-06	23.98733139	2.75454E-05	0.000469451	0.000303688
2107 Jan	146.5733643	0.194733962	0.270257145	0.006133468	39.95056152	0.042937268	36.62005997	0.001011898	0.000971066	5.17233E-06	0.008040171	0.002259794	0.060567353	0.023959864	5.88952E-06	23.98739815	2.75455E-05	0.000469452	0.000303689
2107 Feb	146.5749054	0.194735989	0.270259887	0.006133531	39.95097733	0.042937711	36.62043381	0.001011908	0.000971076	5.17239E-06	0.008040254	0.002259818	0.060567968	0.023960132	5.88958E-06	23.98765755	2.75458E-05	0.000469457	0.000303693
2107 Mar	146.5802155	0.194743022	0.270269632	0.006133753	39.95242691	0.042939264	36.62176132	0.001011945	0.000971111	5.17258E-06	0.008040546	0.0022599	0.060570154	0.023961009	5.8898E-06	23.98853302	2.75468E-05	0.000469474	0.000303704

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2107 Apr	146.5926514	0.194759533	0.27029255	0.006134272	39.95581436	0.0429429	36.62485886	0.001012031	0.000971193	5.17301E-06	0.008041227	0.002260091	0.060575284	0.023963045	5.8903E-06	23.99057198	2.75491E-05	0.000469514	0.00030373
2107 May	146.5285645	0.194577426	0.269946754	0.006127314	39.92972946	0.042926598	36.60649872	0.001011983	0.000971201	5.17288E-06	0.00804077	0.002260165	0.06055586	0.023975147	5.89016E-06	23.99529457	2.75449E-05	0.000469622	0.000303907
2107 Jun	146.2143402	0.193820283	0.268598229	0.006099722	39.8180542	0.042843219	36.51922989	0.001011111	0.000970542	5.1688E-06	0.008033698	0.00225872	0.060446016	0.023995727	5.88551E-06	23.99196815	2.75131E-05	0.00046963	0.000304239
2107 Jul	146.329422	0.193872437	0.268638104	0.006101257	39.8499794	0.042884007	36.54864883	0.001012002	0.000971429	5.17351E-06	0.008040795	0.002260988	0.060498334	0.024019947	5.89108E-06	24.01330757	2.75364E-05	0.000470121	0.000304523
2107 Aug	146.5101624	0.194056779	0.268875897	0.006106978	39.9003067	0.042941842	36.59448242	0.001013265	0.000972657	5.18006E-06	0.008050802	0.002264018	0.060575727	0.024051603	5.89868E-06	24.04367447	2.75699E-05	0.000470757	0.000304908
2107 Sep	146.5533142	0.194052964	0.268820614	0.006106188	39.91257477	0.04296153	36.60662079	0.001013589	0.00097299	5.18185E-06	0.008053969	0.002265038	0.060599238	0.02406209	5.90094E-06	24.05249214	2.7579E-05	0.000470994	0.000305013
2107 Oct	146.43396	0.193804786	0.268369347	0.006096928	39.87316513	0.042938475	36.57976532	0.001013099	0.000972571	5.17954E-06	0.008050914	0.002264235	0.060568109	0.024056662	5.89856E-06	24.04216003	2.7564E-05	0.000470892	0.000304898
2107 Nov	146.3822632	0.193703294	0.268183082	0.006093108	39.85580063	0.042928457	36.56805801	0.001012901	0.000972401	5.17859E-06	0.008049668	0.002263878	0.060554583	0.024054302	5.89757E-06	24.03776169	2.75576E-05	0.000470845	0.000304849
2107 Dec	146.3838806	0.193705514	0.268185943	0.006093174	39.85624695	0.042928983	36.56845474	0.001012913	0.000972413	5.17865E-06	0.008049767	0.002263904	0.060555246	0.024054583	5.89764E-06	24.03804207	2.75579E-05	0.00047085	0.000304852
2108 Jan	146.384552	0.193706408	0.268187016	0.006093199	39.85642624	0.042929191	36.56861115	0.001012918	0.000972418	5.17868E-06	0.008049806	0.002263915	0.060555503	0.024054717	5.89767E-06	24.03816986	2.7558E-05	0.000470852	0.000304854
2108 Feb	146.3850861	0.193707049	0.268187791	0.006093217	39.85656357	0.042929344	36.56873703	0.001012922	0.000972422	5.1787E-06	0.008049837	0.002263924	0.060555719	0.02405484	5.89769E-06	24.03828049	2.75581E-05	0.000470854	0.000304855
2108 Mar	146.3910675	0.193714932	0.268198669	0.006093464	39.85818863	0.042931091	36.57022476	0.001012964	0.000972462	5.17891E-06	0.008050166	0.002264017	0.060558178	0.024055835	5.89794E-06	24.03927231	2.75593E-05	0.000470873	0.000304868
2108 Apr	146.4386292	0.193777576	0.268285245	0.006095432	39.87115097	0.042945005	36.58208466	0.001013292	0.000972776	5.18059E-06	0.008052773	0.002264753	0.060577799	0.024063688	5.89985E-06	24.04710197	2.75682E-05	0.000471027	0.000304968
2108 May	146.5378113	0.193902194	0.268452495	0.006099266	39.89805603	0.042973749	36.60645294	0.00101398	0.00097344	5.18412E-06	0.008058238	0.002266327	0.060618144	0.024081357	5.90387E-06	24.06427956	2.75869E-05	0.00047136	0.000305197
2108 Jun	146.1809082	0.193070695	0.267004251	0.006070133	39.76845551	0.042889159	36.51173782	0.001013428	0.000973116	5.18166E-06	0.008054389	0.002264637	0.060508698	0.024091227	5.90087E-06	24.05132675	2.75642E-05	0.000471319	0.000305294
2108 Jul	146.3942413	0.19326818	0.267238885	0.00607618	39.82380676	0.042957153	36.56496048	0.001015175	0.000974829	5.1907E-06	0.008068595	0.002268499	0.060603961	0.024133381	5.91123E-06	24.09051323	2.7612E-05	0.000472168	0.000305803
2108 Aug	146.6769562	0.193608075	0.267704278	0.006086872	39.90330124	0.043042656	36.63644028	0.001017043	0.000976626	5.20032E-06	0.008083576	0.002272895	0.060721725	0.024178317	5.92234E-06	24.13540459	2.76634E-05	0.000473083	0.00030636
2108 Sep	146.7236786	0.193620205	0.267696708	0.006086948	39.91909027	0.043061007	36.64945602	0.001017263	0.000976848	5.20157E-06	0.008085864	0.002273712	0.060743414	0.024184782	5.92399E-06	24.14159203	2.76708E-05	0.000473264	0.000306419
2108 Oct	146.4345093	0.193089977	0.266761541	0.006067648	39.82889938	0.043003391	36.58132553	0.001016027	0.000975757	5.19555E-06	0.008077985	0.002270998	0.060655169	0.024158841	5.91741E-06	24.10834312	2.76341E-05	0.000472809	0.000305972
2108 Nov	146.3929596	0.193009555	0.266605109	0.006064517	39.81452179	0.042997427	36.57160187	0.00101594	0.000975694	5.19515E-06	0.008077657	0.002270747	0.06064475	0.024157193	5.91697E-06	24.10507584	2.76305E-05	0.000472779	0.000305925
2108 Dec	146.3952179	0.193012625	0.266609102	0.006064609	39.81513596	0.042998146	36.57215881	0.001015957	0.00097571	5.19523E-06	0.008077792	0.002270783	0.060645677	0.024157582	5.91707E-06	24.10546112	2.76309E-05	0.000472787	0.000305929
2109 Jan	146.3956451	0.193013191	0.266609728	0.006064625	39.81524658	0.042998277	36.57225037	0.00101596	0.000975713	5.19525E-06	0.008077817	0.00227079	0.060645826	0.024157673	5.91709E-06	24.10554695	2.7631E-05	0.000472788	0.00030593
2109 Feb	146.3968201	0.193014696	0.266611785	0.006064671	39.8155632	0.042998612	36.57253265	0.001015968	0.000975721	5.19529E-06	0.008077881	0.002270808	0.060646284	0.024157887	5.91713E-06	24.10575294	2.76312E-05	0.000472792	0.000305933
2109 Mar	146.4033203	0.193023264	0.266623557	0.006064939	39.81733704	0.043000516	36.57415009	0.001016013	0.000975765	5.19552E-06	0.00807824	0.002270909	0.06064897	0.024158975	5.9174E-06	24.10683632	2.76325E-05	0.000472813	0.000305947
2109 Apr	146.4353027	0.19306539	0.266681731	0.006066262	39.82603073	0.043009903	36.58213425	0.001016235	0.000975978	5.19666E-06	0.008080004	0.002271405	0.060662206	0.024164263	5.91869E-06	24.11210632	2.76385E-05	0.000472917	0.000306014
2109 May	146.3640442	0.19283478	0.266204387	0.006056875	39.79388046	0.042993575	36.55716705	0.00101647	0.00097629	5.19797E-06	0.008081932	0.002271855	0.060635857	0.024188718	5.91995E-06	24.12498283	2.76405E-05	0.000473152	0.000306366
2109 Jun	146.2075348	0.192359403	0.265264541	0.006038213	39.73033524	0.042955428	36.50402451	0.001016665	0.000976635	5.19918E-06	0.008083638	0.002272177	0.060573142	0.024227563	5.92091E-06	24.14281464	2.76389E-05	0.00047348	0.000306939
2109 Jul	146.300827	0.192360431	0.265215456	0.006037951	39.75517273	0.042991817	36.52745438	0.001017504	0.000977484	5.20365E-06	0.008090328	0.002274312	0.060617369	0.024251891	5.92619E-06	24.16291809	2.76602E-05	0.000473953	0.000307222
2109 Aug	146.3924408	0.192371473	0.265172005	0.006037893	39.77732849	0.043030746	36.54964066	0.001018478	0.000978466	5.20877E-06	0.008097593	0.002276554	0.060661249	0.024279311	5.93206E-06	24.18540382	2.76812E-05	0.000474439	0.000307541
2109 Sep	146.3102875	0.192136511	0.264737129	0.006029121	39.75052261	0.043020513	36.53279495	0.001018161	0.000978217	5.20741E-06	0.008096016	0.00227635	0.060645904	0.024278617	5.93091E-06	24.17967796	2.76717E-05	0.000474463	0.000307477
2109 Oct	145.946228	0.19146356	0.263520449	0.006004015	39.63215256	0.042948097	36.44910431	0.001016642	0.000976887	5.20005E-06	0.008086119	0.002273374	0.060542151	0.024254706	5.92303E-06	24.14379501	2.76241E-05	0.000473988	0.00030704
2109 Nov	145.930069	0.191428691	0.2634435	0.006002503	39.62591553	0.042947087	36.44562531	0.001016635	0.000976891	5.20004E-06	0.008086279	0.002273363	0.060539633	0.024255326	5.92305E-06	24.14338684	2.76231E-05	0.000473997	0.000307033
2109 Dec	145.9329376	0.191432521	0.263448566	0.00600262	39.62669373	0.042947978	36.44633484	0.001016656	0.000976912	5.20015E-06	0.008086447	0.002273409	0.060540814	0.024255816	5.92317E-06	24.14387321	2.76236E-05	0.000474006	0.00030704
2110 Jan	145.9341278	0.1914341	0.263450652	0.006002668	39.62701797	0.042948335	36.44662094	0.001016664	0.00097692	5.20019E-06	0.008086516	0.002273428	0.060541291	0.024256034	5.92322E-06	24.14408493	2.76238E-05	0.00047401	0.000307042
2110 Feb	145.9357147	0.191436142	0.263453394	0.006002731	39.62744904	0.042948794	36.44700623	0.001016675	0.000976931	5.20025E-06	0.008086602	0.002273452	0.060541924	0.024256319	5.92328E-06	24.1443615	2.76241E-05	0.000474015	0.000307046
2110 Mar	145.9403229	0.191442162	0.263461649	0.006002918	39.62869644	0.042950142	36.44814682	0.001016707	0.000976961	5.20041E-06	0.008086856	0.002273524	0.060543817	0.024257094	5.92347E-06	24.14512825	2.7625E-05	0.00047403	0.000307056
2110 Apr	145.9595642	0.191467419	0.263496399	0.00600371	39.63392639	0.042955805	36.45295715	0.001016842	0.00097709	5.2011E-06	0.008087924	0.002273824	0.0605518	0.024260299	5.92425E-06	24.14832115	2.76287E-05	0.000474093	0.000307097
2110 May	145.9814301	0.191448435	0.263417393	0.006002354	39.63369751	0.042961851	36.45953751	0.001017164	0.000977426	5.20283E-06	0.00809079	0.002274811	0.060570467	0.024275785	5.92637E-06	24.15986824	2.76378E-05	0.000474355	0.000307303
2110 Jun	145.4243469	0.19014971	0.261100888	0.005954464	39.42490768	0.042794496	36.32923126	0.0010151014	0.000975642	5.19279E-06	0.008077106	0.00227265	0.060430318	0.024301363	5.91639E-06	24.14559555	2.75876E-05	0.000474496	0.000307727
2110 Jul	145.5413513	0.190189928	0.26110974	0.005955448	39.4544754	0.042833786	36.36003113	0.001015997	0.000976625	5.198E-06	0.008085363	0.002275161	0.060488727	0.024329029	5.92259E-06	24.16935349	2.76157E-05	0.000475069	0.000308057
2110 Aug	145.1236877	0.18928355	0.259666145	0.00592573	39.32325363	0.042749919	36.2623291	0.001014287	0.00097514	5.18978E-06	0.008070655	0.00227184	0.060363111	0.024300469	5.91377E-06	24.12538147	2.7553E-05	0.000474487	0.000307562
2110 Sep	144.7423401	0.188552141	0.258427739	0.005900079	39.20433807	0.042678494	36.17725372	0.001012524	0.000973568	5.18123E-06	0.00805759	0.002268442	0.060257286	0.024264995	5.9047E-06	24.08039665	2.74938E-05	0.000473896	0.000306938
2110 Oct	144.3534546	0.187893733	0.257247925	0.005875645	39.0817337	0.042608	36.08907318	0.00101082	0.000972045	5.17287E-06	0.008045936	0.002264783	0.060145359	0.0242278	5.89562E-06	24.03480721	2.74367E-05	0.000473231	0.000306279
2110 Nov	144.261673	0.187741637	0.256970555	0.005869878	39.05337524	0.042591549	36.06863022	0.00101038	0.000971648	5.17071E-06	0.00804309	0.00226388	0.060119104	0.024217978	5.89331E-06	24.02331543	2.7423E-05	0.000473064	0.000306107
2110 Dec	144.2631531	0.187743425	0.256972045	0.005869919	39.05370712	0.042592138	36.06901932	0.001010395	0.000971662	5.17079E-06	0.008043212	0.002263911	0.060119867	0.024218321	5.89339E-06	24.02363205	2.74233E-05	0.000473071	0.000306111
2111 Jan	144.2633362	0.187743559	0.256971747	0.005869916	39.05372238	0.042592254	36.06907654	0.001010398	0.000971665	5.17081E-06	0.00804324	0.002263918	0.060120016	0.02421842	5.89341E-06	24.02371407	2.74234E-05	0.000473072	0.000306112
2111 Feb	144.2636261	0.187743828	0.256971925	0.005869921	39.05378342	0.042592339	36.06914139	0.0010104	0.000971668	5.17082E-06	0.00804326	0.002263924	0.060120136	0.024218509	5.89343E-06	24.02378845	2.74235E-05	0.000473074	0.000306113
2111 Mar	144.2725677	0.187755451	0.256987721	0.005870283	39.05620193	0.042594977	36.07137299	0.001010463	0.000971728	5.17114E-06	0.008043759	0.002264065	0.060123857	0.024220027	5.89379E-06	24.02528954	2.74252E-05	0.000473103	0.000306132
2111 Apr	144.3074646	0.187800854	0.257049859	0.005871702	39.06564713	0.042605277	36.08008957	0.001010707	0.000971963	5.17239E-06	0.008045704	0.002264612	0.060138386	0.024225894	5.89522E-06	24.03110695	2.74318E-05	0.000473218	0.000306206
2111 May	144.2908936	0.187710151	0.256819814	0.005867304	39.05337524	0.042605054	36.07221603	0.001011003	0.000972296	5.17396E-06	0.008048044	0.002265295	0.060134254	0.024245098	5.89689E-06	24.04346657	2.74358E-05	0.000473436	0.000306471
2111 Jun	143.8226776	0.186744303	0.255045801	0.005830653	38.89713669	0.042485267	35.9374733	0.001009408	0.000970982	5.16615E-06	0.008035562	0.002261956	0.059945628	0.02426016	5.88756E-06	24.02902794	2.73787E-05	0.000473079	0.000306763
2111 Jul	144.0820313	0.187037885	0.255432546	0.005839773	38.9680748	0.042564478	36.00217056	0.001011263	0.000972779	5.1757E-06	0.00805047	0.002266195	0.060054608	0.02430544	5.89852E-06	24.07288742	2.74294E-05	0.000473977	0.000307326
2111 Aug	143.9234772	0.186625451	0.254743308	0.00582577	38.92111969	0.042542472	35.96329498	0.001010656	0.00097228	5.1729E-06	0.008045052	0.002265201	0.060004417	0.024299206	5.89559E-06	24.0588398	2.74029E-05	0.000473822	0.000307176
2111 Sep	143.817749	0.186362907	0.254269511	0.005816263	38.88650131	0.042531565	35.93780899	0.001010392	0.00097209	5.17174E-06	0.00804274	0.002264728	0.059976812	0.024298148	5.89442E-06	24.05235672	2.7387E-05	0.000473786	0.000307096
2111 Oct	143.5638123	0.185903355	0.253458738	0.005799367	38.80709076	0.042480938	35.88078308	0.00100914	0.000970962	5.16564E-06	0.008034155	0.002262383	0.059904277	0.024275323	5.88792E-06	24.02323341	2.73484E-05	0.000473387	0.000306705
2111 Nov	143.3959351	0.185619339	0.25294286	0.005788652	38.75382996	0.042449076	35.84247589	0.001008381	0.000970283	5.16191E-06	0.008029037	0.00226082	0.059855614	0.024260566	5.88389E-06	24.00452042	2.73237E-05	0.000473115	0.000306446
2111 Dec	143.394989	0.185617194	0.252936274	0.00578853	38.75331879	0.042449333	35.84230804	0.00100839	0.000970293	5.16196E-06	0.008029125	0.002260834	0.059855767	0.024260812	5.88395E-06	24.00465775	2.73237E-05	0.000473119	0.000306447
2112 Jan	143.3951263	0.185617179	0.252935678	0.005788521	38.75330734	0.04244943	35.84234619	0.001008393	0.000970296	5.16198E-06	0.008029152	0.002260841	0.059855901	0.02426092	5.88396E-06	24.00473976	2.73238E-05	0.000473121	0.000306448
2112 Feb	143.3964081	0.185618684	0.252937466	0.005788564	38.75362396	0.04244981	35.842659	0.001008402	0.000970305	5.16203E-06	0.008029229	0.002260864	0.059856452	0.024261195	5.88402E-06	24.00499535	2.7324E-05	0.000473126	0.000306452
2112 Mar	143.4068604	0.185632199	0.252955824	0.005788984	38.75645065	0.042452898	35.84526825	0.001008476	0.000970376	5.1624E-06	0.008029815	0.002261029	0.059860807	0.024262983	5.88445E-06	24.00675964	2.7326E-05	0.00047316	0.000306475
2112 Apr	143.4368439	0.185671002	0.253008664	0.005790194	38.76455688	0.042461772	35.85276031	0.001008687	0.000970579	5.16348E-06	0.008031493	0.002261502	0.059873309	0.024268067	5.88568E-06	24.01178741	2.73317E-05	0.000473259	0.000306539
2112 May	143.3701172	0.185457066	0.252555579	0.005781141	38.73108673	0.04244281	35.83340073	0.001008783	0.000970749	5.16414E-06	0.008032424	0.002262145	0.059858814	0.024293942	5.8865E-06	24.02596664	2.73312E-05	0.000473546	0.000306918
2112 Jun	142.5234375	0.183729142	0.249592826	0.005718809	38.45541	0.042191725	35.6055603	0.001004753	0.000967184	5.14428E-06	0.008001516	0.002255013	0.059536789	0.024289489	5.86424E-06	23.97667122	2.72177E-05	0.000472668	0.000307087
2112 Jul	142.5245209	0.183579266	0.249312282	0.005713574	38.45201111	0.042197097	35.6031456	0.001005141	0.000967618	5.14644E-06	0.008004937	0.002255956	0.059541766	0.02430572	5.86676E-06	23.9865818	2.72288E-05	0.000472952	0.000307289
2112 Aug	142.7165985	0.183774367	0.249564379	0.005719583	38.50675964	0.042257987	35.65243149	0.001006396	0.000968835	5.15298E-06	0.008015128	0.002259086	0.059624307	0.024337243	5.87443E-06	24.01740646	2.72633E-05	0.000473617	0.000307668
2112 Sep	142.7086792	0.183681384	0.249387354	0.005716125	38.50353241	0.042262159	35.65312958	0.001006391	0.000968858	5.15313E-06	0.008015601	0.002259479	0.059631966	0.02434082	5.87491E-06	24.01877594	2.72636E-05	0.000473743	0.000307682
2112 Oct	142.6384277	0.183516324	0.249093637	0.005710072	38.47900009	0.042246141	35.6403656	0.001006035	0.000968548	5.15148E-06	0.008013738	0.002259141	0.059621681	0.024337361	5.87343E-06	24.01225471	2.72561E-05	0.000473735	0.000307607
2112 Nov	142.6340332	0.183498695	0.249056235	0.005709341	38.47657776	0.042245828	35.64014053	0.00100604	0.000968558	5.15154E-06	0.008013946	0.002259221	0.05962351	0.024338337	5.87355E-06	24.01263237	2.72565E-05	0.000473763	0.000307613
2112 Dec	142.6368866	0.183502421	0.249061093	0.005709453	38.4773407	0.042246711	35.64083862	0.001006061	0.000968578	5.15165E-06	0.008014114	0.002259266	0.059624687	0.024338834	5.87367E-06	24.01312065	2.7257E-05	0.000473773	0.00030762
2113 Jan	142.637146	0.183502764	0.249061435	0.005709462	38.47741318	0.042246796	35.64089584	0.001006063	0.00096858	5.15166E-06	0.00801413	0.002259271	0.059624776	0.024338897	5.87369E-06	24.01317787	2.72571E-05	0.000473774	0.00030762
2113 Feb	142.6383972	0.183504373	0.249063566	0.005709511	38.4777565	0.042247165	35.64120102	0.001006072	0.000968589	5.1517E-06	0.008014201	0.002259291	0.059625283	0.024339132	5.87374E-06	24.01340485	2.72573E-05	0.000473778	0.000307624
2113 Mar	142.6542053	0.183524683	0.249091133	0.005710143	38.48201752	0.04225184	35.64514542	0.001006183	0.000968696	5.15227E-06	0.008015089	0.002259542	0.05963188	0.024341838	5.87439E-06	24.01607323	2.72603E-05	0.000473831	0.000307658
2113 Apr	142.6835632	0.183562443	0.249142349	0.005711317	38.48993301	0.042260531	35.65247726	0.00100639	0.000968896	5.15333E-06	0.008016737	0.002260006	0.059644144	0.024346853	5.8756E-06	24.02101898	2.72659E-05	0.000473928	0.000307721
2113 May	142.6772919	0.183438152	0.248874828	0.005706103	38.47499466	0.042252202	35.65228653	0.001006667	0.000969216	5.15493E-06	0.008019394	0.00226126	0.059659656	0.024372468	5.87772E-06	24.03773689	2.72758E-05	0.00047433	0.000308094
2113 Jun	142.3430023	0.182556257	0.247343183	0.005674303	38.34500504	0.042132016	35.57259369	0.001005278	0.000968071	5.14852E-06	0.008010254	0.002260459	0.059576944	0.024402831	5.87157E-06	24.03868484	2.72496E-05	0.000474641	0.00030864
2113 Jul	142.5256653	0.18271327	0.247535288	0.00567917	38.39477158	0.042190101	35.61941147	0.001006601	0.000969366	5.15542E-06	0.008020863	0.002263713	0.059657924	0.024437377	5.87964E-06	24.07073784	2.72857E-05	0.000475338	0.000309062
2113 Aug	142.6728821	0.182831094	0.247675747	0.005682766	38.43628311	0.042238407	35.65777588	0.001007595	0.000970339	5.16065E-06	0.008028867	0.00226631	0.059723653	0.024463953	5.88585E-06	24.0955925	2.73126E-05	0.000475893	0.000309379
2113 Sep	142.5934906	0.182586402	0.247238055	0.005673854	38.40813446	0.042223219	35.64398575	0.001007214	0.000970027	5.159E-06	0.008026885	0.00226626	0.05971596	0.024464857	5.88457E-06	24.09100723	2.73039E-05	0.000475978	0.000309351
2113 Oct	142.2315674	0.181910589	0.246043339	0.005648918	38.28866196	0.042139534	35.56590652	0.001005422	0.000968419	5.15033E-06	0.008015421	0.002263303	0.059623577	0.024439016	5.87561E-06	24.05372047	2.72559E-05	0.000475549	0.000308915
2113 Nov	142.1436462	0.181753427	0.245736852	0.005642645	38.25780869	0.042123199	35.54711151	0.001005103	0.000968148	5.14881E-06	0.00801375	0.002262736	0.059604023	0.024434948	5.87407E-06	24.04644394	2.72461E-05	0.000475479	0.000308821
2113 Dec	142.1464386	0.181756958	0.24574104	0.005642746	38.25852585	0.042124107	35.54780579	0.001005125	0.000968169	5.14892E-06	0.00801393	0.002262783	0.05960523	0.024435481	5.87419E-06	24.0469532	2.72467E-05	0.000475489	0.000308828
2114 Jan	142.1469727	0.181757525	0.245741427	0.005642757	38.25863647	0.042124297	35.54794312	0.00100513	0.000968174	5.14895E-06	0.008013973	0.002262796	0.059605505	0.024435639	5.87422E-06	24.04709244	2.72468E-05	0.000475492	0.00030883

Appendix D.2-18: TIRI04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2114 Feb	142.1474762	0.181758136	0.245742157	0.005642774	38.25876999	0.042124435	35.54805756	0.001005134	0.000968178	5.14897E-06	0.008014003	0.002262804	0.059605699	0.024435759	5.87425E-06	24.04719925	2.72469E-05	0.000475494	0.000308831
2114 Mar	142.1557159	0.181768626	0.245756269	0.005643099	38.26098251	0.042126875	35.55011368	0.001005192	0.000968234	5.14927E-06	0.008014467	0.002262936	0.059609145	0.024437191	5.87459E-06	24.04860497	2.72485E-05	0.000475522	0.000308849
2114 Apr	142.1766052	0.181795314	0.245792329	0.005643927	38.26660156	0.042133056	35.55532837	0.00100534	0.000968377	5.15002E-06	0.008015643	0.002263268	0.059617892	0.02444079	5.87545E-06	24.0521431	2.72525E-05	0.000475591	0.000308895
2114 May	142.0670776	0.181494549	0.245202705	0.005631883	38.21860123	0.042097498	35.5292244	0.001005074	0.000968205	5.14893E-06	0.008014495	0.002263545	0.059596762	0.024462065	5.8746E-06	24.06049156	2.72471E-05	0.000475839	0.000309218
2114 Jun	141.9586639	0.181073114	0.244355321	0.005614829	38.16423798	0.042060215	35.50297928	0.001005017	0.000968284	5.14909E-06	0.008015699	0.002264844	0.059585147	0.024503464	5.87544E-06	24.08179665	2.72502E-05	0.000476409	0.000309828
2114 Jul	142.2406769	0.181385145	0.244770229	0.005624574	38.24251556	0.042146262	35.57447433	0.001006945	0.00097015	5.15906E-06	0.008031261	0.002269424	0.059704788	0.024551077	5.88699E-06	24.12814522	2.73037E-05	0.000477374	0.000310417
2114 Aug	142.5226135	0.18171671	0.24521409	0.005634882	38.32056427	0.042232357	35.64564514	0.001008871	0.000972009	5.16899E-06	0.008046683	0.002273934	0.059823506	0.024598271	5.89843E-06	24.17453384	2.7356E-05	0.00047832	0.000311002
2114 Sep	142.4398956	0.181479812	0.244778469	0.005625956	38.29439926	0.042219356	35.63050842	0.001008385	0.000971592	5.16681E-06	0.008044084	0.002273652	0.059810918	0.024595466	5.89655E-06	24.16734886	2.7344E-05	0.000478343	0.000310915
2114 Oct	142.2617645	0.181103885	0.244067743	0.005611286	38.2302475	0.042179991	35.59735107	0.001007532	0.000970848	5.16284E-06	0.008039751	0.00227282	0.059783395	0.024589797	5.89289E-06	24.1535511	2.73243E-05	0.000478317	0.000310771
2114 Nov	142.0860748	0.180776387	0.243446812	0.005598407	38.16792297	0.0421414	35.56386566	0.00100669	0.000970103	5.15884E-06	0.008035278	0.002271736	0.059752494	0.024580123	5.88904E-06	24.13757706	2.73036E-05	0.000478209	0.000310573
2114 Dec	142.0811005	0.180766508	0.243425801	0.005597983	38.16592407	0.042140562	35.56303787	0.001006675	0.000970091	5.15878E-06	0.008035247	0.002271728	0.059752177	0.024580134	5.88899E-06	24.13732719	2.73032E-05	0.000478212	0.00031057
2115 Jan	142.0818329	0.180767238	0.243426293	0.005597997	38.16606903	0.042140804	35.56323242	0.001006681	0.000970097	5.15881E-06	0.008035304	0.002271744	0.059752572	0.024580343	5.88903E-06	24.1375103	2.73034E-05	0.000478215	0.000310573
2115 Feb	142.0829163	0.18076843	0.2434275	0.005598027	38.1663208	0.042141121	35.56352234	0.00100669	0.000970105	5.15886E-06	0.008035375	0.002271766	0.059753105	0.024580607	5.88908E-06	24.13774681	2.73036E-05	0.00047822	0.000310576
2115 Mar	142.0871887	0.18077381	0.243434682	0.005598193	38.1674614	0.04214238	35.56458282	0.00100672	0.000970135	5.15901E-06	0.008035617	0.002271835	0.059754889	0.024581367	5.88926E-06	24.13848877	2.73045E-05	0.000478235	0.000310586
2115 Apr	142.1157379	0.180810153	0.243483573	0.005599317	38.17513657	0.042150848	35.57172775	0.001006922	0.00097033	5.16005E-06	0.008037231	0.002272291	0.059766892	0.02458632	5.89044E-06	24.14334679	2.73099E-05	0.000478331	0.000310648
2115 May	142.0420837	0.180564791	0.242967978	0.005588898	38.13790131	0.042126436	35.55490875	0.001006851	0.000970341	5.15995E-06	0.0080378	0.002273044	0.059760191	0.024611816	5.89075E-06	24.1564846	2.73103E-05	0.000478673	0.000311021
2115 Jun	142.098114	0.180467054	0.242639706	0.005582917	38.13518906	0.042140085	35.56927872	0.00100774	0.000971286	5.16478E-06	0.008046028	0.002275965	0.059806209	0.02466277	5.89667E-06	24.19361115	2.73366E-05	0.000479484	0.000311724
2115 Jul	142.3497925	0.180729121	0.242985606	0.005591122	38.20610046	0.042218864	35.63378525	0.001009424	0.000972918	5.17353E-06	0.008059572	0.002280095	0.059913807	0.024704829	5.90688E-06	24.23436546	2.73829E-05	0.000480345	0.000312238
2115 Aug	142.2307281	0.180367723	0.242365941	0.005578497	38.16806412	0.042201582	35.61009979	0.001008853	0.000972444	5.171E-06	0.008055272	0.002279798	0.059891298	0.024703931	5.90468E-06	24.22579956	2.73631E-05	0.000480363	0.000312165
2115 Sep	142.1983795	0.180209517	0.24205038	0.005572338	38.15298462	0.042205386	35.605896	0.001008904	0.000972544	5.17149E-06	0.008055899	0.002280402	0.05989863	0.024712989	5.90561E-06	24.22982597	2.73602E-05	0.000480561	0.000312231
2115 Oct	142.1653748	0.180111989	0.241854772	0.005568402	38.13982391	0.042201709	35.60159683	0.001008779	0.000972449	5.17099E-06	0.008055582	0.002280515	0.05990015	0.024714453	5.90536E-06	24.22879219	2.73571E-05	0.000480626	0.000312219
2115 Nov	142.0703735	0.179926649	0.241501525	0.005561147	38.1051712	0.042183667	35.58390427	0.001008384	0.000972109	5.16915E-06	0.00805339	0.002280057	0.059885964	0.024710756	5.90365E-06	24.22125053	2.73454E-05	0.000480594	0.000312122
2115 Dec	142.0674133	0.179919124	0.241484284	0.005560808	38.10377502	0.04218353	35.58355331	0.001008383	0.000972111	5.16916E-06	0.008053447	0.002280078	0.059886392	0.024711072	5.90368E-06	24.22131348	2.73453E-05	0.000480602	0.000312122
2116 Jan	142.0680542	0.179919615	0.241484284	0.005560814	38.10387421	0.042183753	35.58374023	0.001008389	0.000972118	5.16919E-06	0.008053504	0.002280096	0.059886802	0.024711296	5.90372E-06	24.2215023	2.73455E-05	0.000480607	0.000312125
2116 Feb	142.0704193	0.179922536	0.241488069	0.005560901	38.104496	0.042184442	35.58432007	0.001008406	0.000972134	5.16928E-06	0.008053637	0.002280135	0.059887778	0.02471175	5.90382E-06	24.22193527	2.73459E-05	0.000480615	0.000312131
2116 Mar	142.0750122	0.179928347	0.241495818	0.005561079	38.10573196	0.042185802	35.58546448	0.001008439	0.000972166	5.16945E-06	0.008053899	0.002280209	0.0598897	0.024712572	5.90401E-06	24.22273254	2.73468E-05	0.000480631	0.000312141
2116 Apr	142.1016235	0.179962039	0.241540998	0.00556212	38.11287308	0.042193696	35.59212494	0.001008628	0.000972348	5.17042E-06	0.008055407	0.002280636	0.059900902	0.02471721	5.90512E-06	24.22727776	2.73519E-05	0.000480721	0.0003122
2116 May	142.0784607	0.179802895	0.241187796	0.005555152	38.08785248	0.042182144	35.59184647	0.001008847	0.000972624	5.17179E-06	0.008057884	0.002282113	0.05992366	0.024746248	5.90724E-06	24.24556923	2.73598E-05	0.000481196	0.000312605
2116 Jun	141.5163269	0.178449914	0.23882103	0.005505587	37.87713242	0.041992418	35.46328735	0.001006083	0.000970234	5.15875E-06	0.008038915	0.002279956	0.059784636	0.024777649	5.89446E-06	24.2345829	2.72982E-05	0.000481414	0.000313207
2116 Jul	141.7579803	0.178679675	0.239099711	0.005512488	37.94118881	0.042064968	35.52458954	0.001007848	0.000971959	5.16792E-06	0.008053434	0.002284216	0.059891656	0.024824506	5.90513E-06	24.27826309	2.73485E-05	0.000482354	0.000313795
2116 Aug	141.986557	0.178933531	0.239433229	0.005520307	38.00531387	0.042135846	35.58267593	0.001009373	0.000973434	5.17582E-06	0.008065753	0.002287898	0.059988704	0.024862476	5.91431E-06	24.31552505	2.73902E-05	0.000483131	0.00031426
2116 Sep	141.8261261	0.178572789	0.238797605	0.005507083	37.95619202	0.042101901	35.54851532	0.001008439	0.000972598	5.17138E-06	0.008059965	0.002286654	0.059947878	0.024850463	5.9099E-06	24.29793739	2.73666E-05	0.000482977	0.000314048
2116 Oct	141.5606689	0.178084418	0.237878338	0.005488104	37.86566544	0.042046174	35.49035645	0.001007317	0.000971619	5.166E-06	0.008053527	0.002284733	0.059882753	0.024836676	5.90435E-06	24.27467537	2.73349E-05	0.000482736	0.000313775
2116 Nov	141.5411835	0.178044498	0.237783924	0.005486246	37.85739899	0.042044554	35.48672867	0.001007308	0.000971625	5.166E-06	0.00805385	0.002284758	0.059881628	0.024837842	5.90441E-06	24.27454758	2.73341E-05	0.000482762	0.000313772
2116 Dec	141.5418243	0.178045303	0.237784624	0.005486264	37.85755157	0.042044796	35.48688507	0.001007314	0.000971631	5.16603E-06	0.008053902	0.002284771	0.059881922	0.024837989	5.90444E-06	24.27468109	2.73343E-05	0.000482764	0.000313774
2117 Jan	141.5418549	0.178045198	0.237784043	0.005486255	37.85751724	0.042044833	35.48690414	0.001007316	0.000971633	5.16604E-06	0.008053917	0.002284775	0.059882011	0.024838064	5.90445E-06	24.2747345	2.73343E-05	0.000482766	0.000313774
2117 Feb	141.5420532	0.178045347	0.237784073	0.005486256	37.85755539	0.042044885	35.48694992	0.001007318	0.000971634	5.16605E-06	0.008053932	0.00228478	0.059882101	0.024838138	5.90447E-06	24.27479553	2.73344E-05	0.000482767	0.000313775
2117 Mar	141.547821	0.178052574	0.237793684	0.005486478	37.85909271	0.042046595	35.48838806	0.001007359	0.000971674	5.16626E-06	0.008054259	0.002284873	0.059884533	0.024839165	5.90471E-06	24.27579689	2.73355E-05	0.000482787	0.000313789
2117 Apr	141.5821838	0.178095803	0.237851396	0.005487809	37.86828232	0.042056799	35.49700165	0.001007603	0.00097191	5.16751E-06	0.008056215	0.002285428	0.059899062	0.024845202	5.90614E-06	24.28169441	2.73421E-05	0.000482904	0.000313865
2117 May	141.5839081	0.178010017	0.23762539	0.005483489	37.85930634	0.042056479	35.49600983	0.001007931	0.000972275	5.16932E-06	0.008059285	0.002286533	0.059908587	0.024868989	5.9083E-06	24.29786301	2.7351E-05	0.000483241	0.000314201
2117 Jun	141.466507	0.177619949	0.23682569	0.005467395	37.80566788	0.042019993	35.46222305	0.001007894	0.000972366	5.16945E-06	0.008060178	0.002287324	0.059878979	0.024906702	5.90871E-06	24.31684303	2.73509E-05	0.000483675	0.000314766
2117 Jul	141.7180634	0.177893087	0.237187251	0.005475935	37.87574005	0.042098138	35.52606201	0.001009622	0.00097404	5.1784E-06	0.008074047	0.002291437	0.059985805	0.024949266	5.91908E-06	24.35816574	2.73981E-05	0.000484536	0.000315289
2117 Aug	141.8654327	0.17801939	0.237341851	0.005479777	37.91872025	0.042146906	35.56437683	0.001010562	0.000974957	5.18334E-06	0.008081705	0.002293915	0.060050037	0.024973679	5.92496E-06	24.38161659	2.74238E-05	0.00048506	0.000315575
2117 Sep	141.9121857	0.178016827	0.237289324	0.005479029	37.93113327	0.042165741	35.57796097	0.00101089	0.000975295	5.18517E-06	0.008084933	0.002295039	0.060076732	0.024985721	5.92731E-06	24.39167786	2.74337E-05	0.000485328	0.000315707
2117 Oct	141.7973633	0.177780479	0.23682946	0.005469622	37.89124298	0.042143919	35.55279922	0.001010447	0.000974923	5.1831E-06	0.008082643	0.002294426	0.060050227	0.024983618	5.92526E-06	24.38404274	2.74208E-05	0.000485282	0.000315636
2117 Nov	141.7637787	0.177712679	0.236695856	0.005466891	37.87960815	0.042137817	35.54553986	0.001010317	0.000974813	5.18249E-06	0.008081998	0.002294243	0.060042683	0.024982788	5.92466E-06	24.38167763	2.7417E-05	0.000485267	0.00031561
2117 Dec	141.7640228	0.177711621	0.236691996	0.005466821	37.87954712	0.042138141	35.54566956	0.001010324	0.000974821	5.18253E-06	0.008082082	0.002294266	0.060043145	0.024983093	5.92472E-06	24.38189316	2.74172E-05	0.000485273	0.000315613
2118 Jan	141.7644653	0.177711964	0.236691892	0.005466823	37.87961578	0.042138297	35.54577637	0.001010329	0.000974826	5.18256E-06	0.008082125	0.002294278	0.060043387	0.024983265	5.92475E-06	24.38203621	2.74173E-05	0.000485276	0.000315615
2118 Feb	141.7653198	0.177712977	0.236693114	0.005466851	37.87984085	0.042138543	35.54598236	0.001010335	0.000974833	5.18259E-06	0.008082175	0.002294293	0.06004373	0.024983458	5.92478E-06	24.38221169	2.74175E-05	0.000485279	0.000315618
2118 Mar	141.76828	0.177716658	0.236697957	0.005466963	37.88063049	0.042139411	35.54671097	0.001010356	0.000974853	5.1827E-06	0.008082342	0.002294341	0.060044959	0.024983997	5.92491E-06	24.38273048	2.7418E-05	0.00048529	0.000315625
2118 Apr	141.7888336	0.177738041	0.236719713	0.0054675	37.88572311	0.042145111	35.5515213	0.00101051	0.000975003	5.18349E-06	0.00808356	0.002294726	0.060053304	0.024989285	5.92581E-06	24.38739967	2.74221E-05	0.000485377	0.000315697
2118 May	141.5909729	0.177243412	0.23573871	0.005447371	37.8080864	0.042080253	35.48646164	0.001010137	0.000974788	5.18177E-06	0.008080312	0.002294436	0.05996684	0.025032025	5.92352E-06	24.40623665	2.74058E-05	0.000485602	0.000316421
2118 Jun	141.1082611	0.176181421	0.233844966	0.00540763	37.6507225	0.041924585	35.33794403	0.001008025	0.000972978	5.17133E-06	0.008063275	0.002290754	0.059743103	0.025061378	5.91119E-06	24.39975929	2.73436E-05	0.000485272	0.000317093
2118 Jul	141.4124603	0.176529452	0.234302372	0.005418372	37.73354721	0.04201673	35.41426086	0.001010176	0.00097506	5.18241E-06	0.008080567	0.00229574	0.059871797	0.025114913	5.92394E-06	24.4515419	2.74025E-05	0.000486329	0.000317763
2118 Aug	141.4246368	0.176412851	0.234083638	0.00541418	37.7392807	0.042030528	35.41730499	0.001010284	0.000975203	5.18319E-06	0.008081386	0.002296499	0.059880476	0.025124436	5.92512E-06	24.45746613	2.7403E-05	0.000486528	0.000317859
2118 Sep	141.0867462	0.175763324	0.232950523	0.005390505	37.63575745	0.041955855	35.33274078	0.001008632	0.000973727	5.17508E-06	0.008069091	0.002293319	0.059763741	0.025103644	5.91619E-06	24.42524147	2.735E-05	0.000486021	0.000317537
2118 Oct	140.7919769	0.175265089	0.23203142	0.005371312	37.54314804	0.041894823	35.26292419	0.001007222	0.000972459	5.16814E-06	0.008059785	0.002290495	0.059671093	0.025080666	5.90861E-06	24.39439964	2.73069E-05	0.000485545	0.000317154
2118 Nov	140.7268677	0.175155565	0.231820777	0.005366941	37.52215576	0.041882485	35.24823761	0.001006922	0.000972192	5.16668E-06	0.008057995	0.002289924	0.059652932	0.025075709	5.90705E-06	24.38769531	2.72978E-05	0.000485453	0.000317063
2118 Dec	140.7289886	0.175158247	0.231823891	0.005367016	37.52272034	0.0418832	35.24876022	0.001006939	0.000972208	5.16677E-06	0.008058132	0.002289961	0.05965383	0.025076116	5.90715E-06	24.38808441	2.72983E-05	0.000485461	0.000317068
2119 Jan	140.7297516	0.175159127	0.231824785	0.005367039	37.52290726	0.041883446	35.24894333	0.001006945	0.000972214	5.1668E-06	0.008058182	0.002289975	0.059654158	0.025076292	5.90718E-06	24.38824844	2.72984E-05	0.000485464	0.00031707
2119 Feb	140.7310333	0.175160632	0.231826499	0.00536708	37.52322769	0.041883826	35.24925995	0.001006955	0.000972224	5.16685E-06	0.008058262	0.002289998	0.05965472	0.025076577	5.90724E-06	24.38850975	2.72987E-05	0.000485469	0.000317074
2119 Mar	140.7411652	0.175173223	0.231843129	0.005367465	37.5259285	0.041886836	35.25179291	0.001007028	0.000972294	5.16722E-06	0.008058841	0.002290163	0.059659004	0.025078397	5.90767E-06	24.39027405	2.73006E-05	0.000485504	0.000317097
2119 Apr	140.7750397	0.175197378	0.231841519	0.005367589	37.53304672	0.041895341	35.2586937	0.001007305	0.000972572	5.16866E-06	0.008061027	0.002290955	0.059671775	0.025092226	5.90931E-06	24.40149689	2.73076E-05	0.000485698	0.000317298
2119 May	140.4429932	0.174455315	0.230342329	0.005335988	37.41437531	0.041778591	35.14868927	0.001005855	0.000971363	5.16152E-06	0.008048994	0.002289449	0.059506971	0.025152912	5.90085E-06	24.4258976	2.72593E-05	0.000485799	0.000318432
2119 Jun	140.2988586	0.1740686	0.229630053	0.005321057	37.36916733	0.041729063	35.10126877	0.001005107	0.000970729	5.15791E-06	0.008043315	0.002288594	0.05943311	0.025171019	5.89675E-06	24.42967033	2.72397E-05	0.000485801	0.000318795
2119 Jul	140.5628052	0.174345657	0.229975507	0.005329384	37.44025803	0.041808605	35.16674042	0.001007018	0.000972589	5.1678E-06	0.00805883	0.002293077	0.059544872	0.025221035	5.90813E-06	24.47687149	2.72927E-05	0.000486774	0.000319428
2119 Aug	140.7056885	0.174430534	0.230048105	0.00533159	37.48192215	0.041858412	35.20373535	0.001007942	0.000973503	5.17272E-06	0.008066403	0.002295684	0.059608847	0.025248254	5.91407E-06	24.50187683	2.73172E-05	0.00048735	0.000319746
2119 Sep	140.5549164	0.174096912	0.229451701	0.005319202	37.43502426	0.041826565	35.1667099	0.001007183	0.000972838	5.16908E-06	0.008060871	0.002294546	0.059560739	0.025243752	5.91025E-06	24.49054146	2.72928E-05	0.000487216	0.000319664
2119 Oct	140.380661	0.173775241	0.228855625	0.00530674	37.37904739	0.041787971	35.12650299	0.001006294	0.000972041	5.16476E-06	0.008055132	0.00229307	0.059509646	0.025233818	5.90568E-06	24.47457695	2.72673E-05	0.000487004	0.000319497
2119 Nov	140.3037567	0.173640952	0.228605628	0.005301505	37.35427475	0.04177114	35.10904312	0.001005902	0.000971688	5.16284E-06	0.008052635	0.00229239	0.05948757	0.02522856	5.90365E-06	24.46699905	2.72562E-05	0.0004869	0.000319408
2119 Dec	140.3058929	0.173643604	0.228608742	0.00530158	37.35482788	0.041771844	35.10956955	0.001005919	0.000971704	5.16293E-06	0.008052773	0.002292427	0.059488486	0.025228983	5.90375E-06	24.4674015	2.72566E-05	0.000486908	0.000319414

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	5.1E-07	1.0E-04	2.7E-09	9.0E-04	2.2E-03	5.5E-05	8.0E-08	3.4E-03	7.0E-07	3.8E-06	2.6E-07	6.2E-08	3.5E-08	8.4E-05	5.4E-10	2.7E-08	5.7E-07	4.2E-07	8.4E-04
Operations (2020-2043): Mean	2.1E-03	2.9E-02	2.5E-05	1.6E+01	1.8E+01	1.2E-01	0.00370	1.8E+02	9.6E-03	3.4E-03	6.1E-05	2.1E-03	8.3E-04	8.4E-01	2.5E-06	3.9E-03	6.8E-04	1.5E-03	7.5E-03
Operations (2020-2043): Max	3.6E-03	6.6E-02	4.2E-05	2.8E+01	3.2E+01	2.1E-01	0.00663	3.3E+02	1.7E-02	5.4E-03	2.5E-04	3.8E-03	1.5E-03	1.5E+00	4.1E-06	7.0E-03	1.1E-03	2.4E-03	9.1E-03
Active Closure (2044-2050): Min	1.3E-03	7.6E-02	9.4E-06	3.1E+00	6.6E+00	5.0E-02	9.4E-04	4.3E+01	3.4E-03	9.8E-03	2.7E-04	6.0E-04	2.3E-04	2.1E-01	4.5E-06	5.2E-04	5.5E-04	1.9E-03	5.9E-04
Active Closure (2044-2050): Mean	1.5E-03	8.6E-02	1.3E-05	5.8E+00	9.3E+00	7.2E-02	1.5E-03	6.6E+01	4.6E-03	1.1E-02	3.3E-04	8.7E-04	3.4E-04	3.7E-01	6.9E-06	1.1E-03	6.4E-04	2.1E-03	1.3E-03
Active Closure (2044-2050): Max	4.1E-03	1.3E-01	5.2E-05	3.1E+01	3.7E+01	2.3E-01	7.3E-03	2.5E+02	1.7E-02	1.5E-02	3.7E-04	3.9E-03	1.6E-03	1.7E+00	1.4E-05	7.6E-03	1.4E-03	3.7E-03	9.2E-03
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	1.3E-03	8.7E-02	9.6E-06	3.1E+00	5.8E+00	5.0E-02	8.9E-04	2.3E+01	3.1E-03	9.7E-03	3.5E-04	5.4E-04	2.1E-04	2.1E-01	3.2E-06	5.3E-04	5.9E-04	1.9E-03	5.3E-04
Post Closure (2051-2119): Mean	1.3E-03	1.1E-01	1.0E-05	3.4E+00	6.2E+00	5.6E-02	9.1E-04	3.2E+01	3.3E-03	1.0E-02	4.1E-04	5.7E-04	2.2E-04	2.2E-01	3.8E-06	5.9E-04	6.6E-04	1.9E-03	5.6E-04
Post Closure (2051-2119): Max	1.3E-03	1.2E-01	1.1E-05	3.7E+00	6.7E+00	6.2E-02	9.6E-04	4.3E+01	3.5E-03	1.0E-02	4.7E-04	6.1E-04	2.3E-04	2.3E-01	4.5E-06	6.5E-04	7.2E-04	2.0E-03	5.9E-04
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2119)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	5.12512E-07	0.000102502	2.69743E-09	0.000900942	0.002179523	5.52973E-05	7.95742E-08	0.003385274	7.01332E-07	3.7764E-06	2.57874E-07	6.20409E-08	3.50666E-08	8.38901E-05	5.39486E-10	2.69743E-08	5.6646E-07	4.18102E-07	0
2040 Feb	2.49749E-06	0.000499498	1.31447E-08	0.004390324	0.010620902	0.000269466	3.87768E-07	0.016496575	3.41762E-06	1.84026E-05	1.25663E-06	3.02328E-07	1.70881E-07	0.0004088	2.62894E-09	1.31447E-07	2.76038E-06	2.03743E-06	0
2040 Mar	4.76673E-06	0.000953346	2.5088E-08	0.008379408	0.020271143	0.000514305	7.40098E-07	0.031485502	6.52289E-06	3.51233E-05	2.39842E-06	5.77025E-07	3.26145E-07	0.000780238	5.01761E-09	2.50881E-07	5.26849E-06	3.88865E-06	0
2040 Apr	6.7014E-06	0.001340279	3.52705E-08	0.01178035	0.02849857	0.000723045	1.04048E-06	0.044264484	9.17033E-06	4.93787E-05	3.37186E-06	8.11222E-07	4.58517E-07	0.001096913	7.0541E-09	3.52705E-07	7.40681E-06	5.46693E-06	0
2040 May	0.000169188	0.031409446	1.3395E-06	0.285488397	0.628825724	0.015000256	2.67178E-05	1.022166252	0.000243265	0.001547158	0.000128056	3.08085E-05	1.74135E-05	0.02443107	2.679E-07	1.01136E-05	0.00017629	0.000243718	0
2040 Jun	0.00023167	0.038258355	2.7127E-06	0.367585838	0.683661401	0.014173044	3.74633E-05	1.213073492	0.00035608	0.002706461	0.000118438	6.2392E-05	2.08862E-05	0.02707082	5.42539E-07	1.62138E-05	0.000220445	0.000540513	0
2040 Jul	0.000143638	0.018925725	2.16137E-06	0.194725513	0.271692067	0.003355326	2.64823E-05	0.595780969	0.00021557	0.001953413	2.51592E-05	4.19773E-05	9.57851E-06	0.011198726	4.32274E-07	1.08887E-05	9.20331E-05	0.000410677	0
2040 Aug	0.000103796	0.010979442	1.3265E-06	0.131732807	0.185388848	0.00145869	3.95256E-05	0.46012488	0.000129149	0.001166118	8.98279E-06	9.17243E-06	6.37033E-06	0.007932158	2.653E-07	7.31454E-06	1.95174E-05	0.000170567	0
2040 Sep	0.000136373	0.012861298	1.5723E-06	0.174025238	0.258163869	0.001523443	7.93873E-05	0.639050603	0.000156984	0.001546299	3.12734E-06	3.60396E-06	7.468E-06	0.011033203	3.14461E-07	1.13865E-05	2.04164E-05	0.00017543	0
2040 Oct	0.00020996	0.019904187	2.191E-06	0.246270031	0.388675064	0.002092176	0.00012323	0.930409551	0.000219011	0.002425301	4.21334E-06	4.54753E-06	9.18878E-06	0.016061544	4.38201E-07	1.82357E-05	3.93584E-05	0.000242715	0
2040 Nov	0.000218301	0.020698441	2.27011E-06	0.255305022	0.403811455	0.002166538	0.00012816	0.965523124	0.000226928	0.002523188	4.35994E-06	4.6936E-06	9.47405E-06	0.016667634	4.54021E-07	1.89844E-05	4.11956E-05	0.000251411	0
2040 Dec	0.00021989	0.020849321	2.28605E-06	0.25710842	0.40672785	0.002181667	0.000129095	0.972414792	0.000228523	0.002541661	4.39016E-06	4.72524E-06	9.53719E-06	0.016786598	4.5721E-07	1.91244E-05	4.15153E-05	0.000253172	0
2041 Jan	0.000221211	0.021064637	2.29519E-06	0.259137303	0.411218703	0.002278317	0.000129503	0.980076849	0.000230157	0.002553392	4.82913E-06	4.83786E-06	9.61384E-06	0.016961325	4.59038E-07	1.92106E-05	4.25555E-05	0.000254382	0
2041 Feb	0.000222258	0.021285849	2.30012E-06	0.261043727	0.415941119	0.00240231	0.000129617	0.987236857	0.000231626	0.002560631	5.41033E-06	4.97581E-06	9.68828E-06	0.017142508	4.60024E-07	1.92618E-05	4.38158E-05	0.000255198	0
2041 Mar	0.000222999	0.021422708	2.30457E-06	0.262282729	0.418833286	0.00247171	0.000129778	0.991895556	0.000232605	0.00256654	5.73114E-06	5.05478E-06	9.73628E-06	0.017254382	4.60914E-07	1.93044E-05	4.45361E-05	0.000255838	0
2041 Apr	0.000223914	0.021548167	2.3122E-06	0.263569415	0.421409756	0.002516804	0.000130157	0.996746004	0.000233677	0.002575581	5.92703E-06	5.11105E-06	9.78518E-06	0.01735637	4.6244E-07	1.93714E-05	4.50459E-05	0.000256769	0
2041 May	0.000561794	0.026687315	6.12942E-06	2.900660992	3.420806885	0.024007572	0.000731054	31.66272163	0.001843189	0.002805507	3.68528E-05	0.000365669	0.000151289	0.158685341	8.24871E-07	0.000670101	0.000178103	0.000485534	0.000841989
2041 Jun	0.00241894	0.039284196	2.88346E-05	17.78820992	20.01872826	0.132638037	0.004122641	205.6321106	0.010975062	0.004466264	8.86684E-05	0.002452106	0.000947201	0.945475399	3.0822E-06	0.004374898	0.000869995	0.002087867	0.005636981
2041 Jul	0.003426344	0.027947716	3.99254E-05	26.4755497	29.69182014	0.19296822	0.006165391	308.9445801	0.016171146	0.003431788	8.71996E-05	0.003611681	0.001411124	1.405269027	3.93873E-06	0.006574427	0.001108207	0.00238784	0.008495949
2041 Aug	0.003639285	0.023439281	4.21632E-05	28.34745216	31.78147507	0.205705613	0.006626509	331.193634	0.017277496	0.003061205	8.07078E-05	0.00384842	0.001511116	1.504856586	4.09371E-06	0.007047358	0.001138111	0.002382814	0.009110273
2041 Sep	0.00355983	0.024835603	4.10778E-05	27.53450966	30.89640808	0.199678704	0.006459666	321.4824829	0.016783388	0.003331236	7.48911E-05	0.003731174	0.001466486	1.462443471	4.00556E-06	0.006841529	0.001111369	0.002319837	0.008839548
2041 Oct	0.003257796	0.034875132	3.73032E-05	24.2837677	27.33156776	0.176252097	0.005743263	282.3762512	0.014841408	0.004534243	6.81393E-05	0.003273099	0.001290089	1.291868567	3.7703E-06	0.006009391	0.001004889	0.002176316	0.00774844
2041 Nov	0.003227123	0.036041729	3.69275E-05	23.9430809	26.95798874	0.17380248	0.005668352	278.2569885	0.014638714	0.004673056	6.74663E-05	0.003224815	0.001271628	1.274001002	3.75E-06	0.005921646	0.000993506	0.002163711	0.007633291
2041 Dec	0.003222869	0.036240064	3.68749E-05	23.89309692	26.90333366	0.173443481	0.005657452	277.6499329	0.01460907	0.004696732	6.73724E-05	0.00321769	0.001268914	1.271383643	3.74758E-06	0.005908714	0.000991877	0.002162167	0.007616288
2042 Jan	0.003220484	0.036518183	3.6839E-05	23.86254311	26.87214851	0.173334777	0.005650226	277.2697449	0.014591043	0.004710289	6.78876E-05	0.003213307	0.001267241	1.269854546	3.74552E-06	0.005900515	0.000991972	0.002161179	0.007605528
2042 Feb	0.003219524	0.036807992	3.68181E-05	23.8464241	26.85762024	0.173369303	0.005645994	277.0604553	0.014581655	0.004718298	6.86357E-05	0.003210952	0.001266346	1.269108534	3.74423E-06	0.005895921	0.000992947	0.002160766	0.007599497
2042 Mar	0.00322119	0.036991049	3.68318E-05	23.8538475	26.86795998	0.173506021	0.005647525	277.1346741	0.014586451	0.004725873	6.90903E-05	0.003211851	0.001266718	1.269564748	3.74607E-06	0.005897424	0.000994154	0.00216201	0.007601376
2042 Apr	0.003244949	0.037357766	3.71004E-05	24.02698135	27.06410027	0.174812689	0.005688385	279.1392822	0.014692466	0.004763669	6.98398E-05	0.003235105	0.0012759	1.278814197	3.77365E-06	0.005940038	0.001001884	0.002178029	0.007656268
2042 May	0.003254402	0.049232591	3.69635E-05	23.85546684	27.00584412	0.180153623	0.005613416	276.3282166	0.01461058	0.005035073	0.000135517	0.003213844	0.001268925	1.273827434	3.78752E-06	0.005874447	0.001073538	0.002235373	0.007569644
2042 Jun	0.002937059	0.040975388	3.45208E-05	21.97906876	24.74754333	0.16429621	0.005103106	254.8696136	0.013503985	0.004464762	0.000111881	0.003013638	0.001171134	1.169091582	3.5736E-06	0.005421528	0.001031623	0.00232479	0.006993014
2042 Jul	0.003340715	0.030470395	3.87416E-05	25.51799774	28.63455582	0.185772479	0.005947452	297.5617676	0.015591724	0.003580068	8.71801E-05	0.003468313	0.001359765	1.354878426	3.85305E-06	0.006330507	0.001044652	0.002277867	0.008178753
2042 Aug	0.003171759	0.028704861	3.68965E-05	24.06105995	27.01361847	0.174742863	0.005658425	279.8821106	0.014707126	0.003703099	6.76642E-05	0.003246154	0.001282019	1.278667092	3.71975E-06	0.005952461	0.000965471	0.002148506	0.007683815
2042 Sep	0.003243989	0.031133717	3.73875E-05	24.45539093	27.4896698	0.177504107	0.005767256	284.5641174	0.014940987	0.004063081	6.79349E-05	0.0032995	0.001300968	1.300251126	3.7569E-06	0.00605462	0.000997946	0.002169661	0.007811999
2042 Oct	0.003252422	0.032839295	3.72736E-05	24.39188576	27.4402523	0.177005932	0.005761375	283.8424683	0.014900158	0.004286791	6.80613E-05	0.003290799	0.001296308	1.297281861	3.74388E-06	0.006040704	0.001005786	0.00216222	0.007791473
2042 Nov	0.003248155	0.033433788	3.72142E-05	24.31210327	27.3546772	0.176436767	0.005744929	282.8471985	0.014853762	0.004358565	6.7959E-05	0.003279033	0.001291915	1.293147326	3.74546E-06	0.006019489	0.001003647	0.002162749	0.007763257
2042 Dec	0.003245635	0.033550575	3.71831E-05	24.28254318	27.32235146	0.176224455	0.005738481	282.4882202	0.014836229	0.004372506	6.79033E-05	0.00327482	0.00129031	1.291599393	3.74401E-06	0.006011841	0.001002683	0.00216183	0.007753203
2043 Jan	0.003244018	0.033710431	3.71596E-05	24.26295662	27.30216789	0.176147401	0.005733859	282.2459412	0.014824641	0.004380263	6.81946E-05	0.003272024	0.001289241	1.290613174	3.74257E-06	0.006006623	0.001002659	0.002161111	0.007746362
2043 Feb	0.003243471	0.03387833	3.71476E-05	24.25362968	27.29375267	0.176166773	0.005731416	282.1247253	0.01481921	0.004385034	6.86245E-05	0.00327066	0.001288722	1.290181279	3.74185E-06	0.006003963	0.001003219	0.002160884	0.007742871
2043 Mar	0.003243926	0.033977836	3.71498E-05	24.25416756	27.29549789	0.176218241	0.005731414	282.124115	0.014819688	0.004388656	6.88751E-05	0.003270674	0.001288738	1.290245056	3.74232E-06	0.006003906	0.001003757	0.002161261	0.007742762
2043 Apr	0.003261354	0.034214601	3.73476E-05	24.3828392	27.44095421	0.17718029	0.005761745	283.6168518	0.014898391	0.004413955	6.93829E-05	0.003287993	0.001295568	1.297109962	3.7624E-06	0.006035647	0.001009378	0.002172916	0.007783677
2043 May	0.003270272	0.044032123	3.72487E-05	24.22567558	27.37329102	0.181241125	0.005699116	281.0991821	0.014822019	0.00468285	0.000121109	0.00326756	0.001288788	1.292088985	3.77939E-06	0.005977494	0.001065749	0.00222128	0.007706488
2043 Jun	0.002957038	0.06565655	3.36598E-05	21.44618607	24.47846031	0.174134418	0.004945003	246.9818878	0.013198758	0.004990796	0.000246209	0.002918198	0.00114604	1.151131868	3.51584E-06	0.005240734	0.001139509	0.002272717	0.006752773
2043 Jul	0.003308237	0.039342448	3.82368E-05	24.86656761	27.97907257	0.183844	0.005787918	289.2246094	0.015220743	0.004117486	0.000115035	0.003375984	0.001325308	1.322456717	3.86553E-06	0.006150098	0.001055311	0.002304276	0.007940546
2043 Aug	0.003443986	0.026442531	3.99362E-05	26.52214622	29.75654221	0.192731902	0.006211405	309.3259583	0.016184226	0.003363462	7.81682E-05	0.00359221	0.001413574	1.408655524	3.93797E-06	0.006580545	0.001066709	0.002285328	0.008502069
2043 Sep	0.003508835	0.024888389	4.05012E-05	27.10843849	30.41997719	0.196598366	0.00636137	316.4418945	0.016525958	0.003334492	7.36847E-05	0.003672369	0.001443783	1.439879775	3.95663E-06	0.006734075	0.001094018	0.002290734	0.008700163
2043 Oct	0.003189123	0.034237985	3.65306E-05	23.76495361	26.74734306	0.172493294	0.005620688	276.3173523	0.014525353	0.004449269	6.67012E-05	0.00320281	0.001262577	1.26427424	3.69509E-06	0.005880316	0.000982968	0.002132748	0.007581913
2043 Nov	0.002887456	0.042013418	3.28884E-05	20.69133949	23.36102104	0.150352195	0.004935553	239.4235077	0.012687182	0.005366066	6.01631E-05	0.002771225	0.001096589	1.102654934	3.45621E-06	0.005094633	0.00087608	0.001988395	0.006554035
2043 Dec	0.00288491	0.042104382	3.28574E-05	20.66349792	23.33046532	0.150151968	0.004929416	239.0872803	0.012670605	0.00537687	6.01075E-05	0.002767286	0.001095082	1.101194143	3.45447E-06	0.005087471	0.000875141	0.001987322	0.006544641
2044 Jan	0.004089345	0.126139417	5.15845E-05	31.14148331	36.48340607	0.232793152	0.007298229	254.2763977	0.016651986	0.012675984	0.000269541	0.003897058	0.001593046	1.651049614	6.09084E-06	0.007554413	0.00144133	0.003709126	0.009186784
2044 Feb	0.004089462	0.126156181	5.15854E-05	31.14192009	36.48408508	0.232803777	0.007298311	254.2793427	0.016652253	0.012676678	0.000269583	0.003897105	0.001593067	1.651078105	6.09098E-06	0.00755449	0.00144143	0.003709225	0.009186871
2044 Mar	0.00408984	0.126174986	5.15899E-05	31.14455605	36.48726654	0.23282747	0.007298918	254.3005371	0.016653679	0.012678032	0.000269626	0.003897431	0.001593201	1.651220798	6.09152E-06	0.007555113	0.001441595	0.003709564	0.009187628
2044 Apr	0.00409087	0.12621069	5.16027E-05	31.15225983	36.49634171	0.232887283	0.007300718	254.3632355	0.016657809	0.012681323	0.000269704	0.003898393	0.001593594	1.651630998	6.09304E-06	0.007556973	0.001441975	0.003710496	0.009189887
2044 May	0.004096395	0.126424327	5.16653E-05	31.19055557	36.54135513	0.233229607	0.007309474	254.7206268	0.016680526	0.012695628	0.000270498	0.003903432	0.001595621	1.653706789	6.10012E-06	0.007566147	0.001444376	0.003715106	0.009201461
2044 Jun	0.002371688	0.102804013	2.61093E-05	15.65946484	19.39022636	0.160781488	0.003453351	153.9929962	0.009053411	0.015425172	0.000318791	0.00188139	0.000770883	0.953447759	1.44814E-05	0.003472766	0.00094505	0.002699197	0.00412419
2044 Jul	0.001573637	0.091057777	1.44655E-05	7.292343616	10.51267052	0.10099224	0.001616853	87.81139374	0.005168256	0.014202222	0.00031226	0.00092867	0.0003742	0.518896282	1.2917E-05	0.001427865	0.000694737	0.002189268	0.001693197
2044 Aug	0.001478201	0.089183822	1.25095E-05	5.754169941	9.009563446	0.086801894	0.001340725	73.31300354	0.004554178	0.013555966	0.000315364	0.000779874	0.000312593	0.429393649	1.16495E-05	0.001075514	0.000654064	0.0021059	0.001289221
2044 Sep	0.001460753	0.085443221	1.1784E-05	5.577314854	8.676794052	0.081703842	0.001320466	68.49319458	0.004431694	0.01297161	0.000319602	0.000759706	0.000305468	0.409089714	1.08654E-05	0.00104549	0.000623809	0.002047675	0.001204611
2044 Oct	0.001447672	0.083933905	1.14668E-05	5.393090248	8.457856178	0.078663625	0.0012977	66.28995514	0.004326381	0.012750459	0.000314622	0.000737417	0.000297951	0.394862294	1.05059E-05	0.001004733	0.000604747	0.002009847	0.001152912
2044 Nov	0.001448092	0.084042452	1.14621E-05	5.371092319	8.444942474	0.078410067	0.00129737	66.12414551	0.004321935	0.012753525	0.000314433	0.000735533	0.000297346	0.393537968	1.04783E-05	0.000999767	0.000603589	0.002007944	0.001147478
2044 Dec	0.001448109	0.084043644	1.14622E-05	5.371141434	8.445019722	0.078410737	0.001297384	66.12469482	0.004321975	0.012753691	0.000314436	0.000735539	0.000297349	0.393541515	1.04784E-05	0.000999775	0.000603595	0.002007966	0.001147487
2045 Jan	0.001448109	0.084044017	1.14622E-05	5.37113142	8.445007324	0.07841076	0.001297382	66.12451935	0.004321967	0.012753691	0.000314436	0.000735537	0.000297348	0.393540859	1.04784E-05	0.000999773	0.000603596	0.002007964	0.001147484
2045 Feb	0.00144811	0.084044509	1.14622E-05	5.37112999	8.445009232	0.078410991	0.00129738	66.12445831	0.004321966	0.012753696	0.000314437	0.000735536	0.000297348	0.393540859	1.04784E-05	0.000999772	0.000603599	0.002007964	0.001147482
2045 Mar	0.00144815	0.084047072	1.14625E-05	5.371275902	8.445241928	0.078413248	0.001297415	66.12622833	0.004322084	0.012754048	0.000314446	0.000735556	0.000297356	0.393551588	1.04787E-05	0.000999798	0.000603617	0.002008019	0.001147513
2045 Apr	0.001448293	0.084055483	1.14636E-05	5.371802807	8.446071625	0.078421019	0.001297542	66.13270569	0.004322507	0.012755303	0.000314478	0.000735628	0.000297385	0.393590271	1.04797E-05	0.000999896	0.000603677	0.002008216	0.001147625
2045 May	0.001449214	0.084109031	1.14709E-05	5.375219822	8.451444626	0.078470938	0.001298368	66.17476654	0.004325257	0.012763418	0.000314678	0.000736096	0.000297575	0.393840671	1.04863E-05	0.001000532	0.000604061	0.002009494	0.001148355
2045 Jun	0.001420163	0.082865372	1.129E-05	5.421494961	8.317797661	0.075628661	0.001294365	65.86208344	0.004216392	0.012366545	0.000321593	0.000744277	0.000297933	0.386846095	9.81413E-06	0.001015859	0.000596311	0.002008652	0.001117187
2045 Jul	0.001415598	0.081282906	1.08568E-05	4.866810322	8.186873436	0.07034485	0.001206257	64.12592316	0.004172942	0.011980471	0.000324933	0.000728929	0.000287185	0.353671581	9.04639E-06	0.000894979	0.000593108	0.002029697	0.001015958
2045 Aug	0.001422098	0.079956479	1.05645E-05	4.589212418	8.120396614	0.067915998	0.001171815	63.02822495	0.004168163	0.01180571	0.000324187	0.000716795	0.000282089	0.337392271	8.77173E-06	0.000831347	0.000587604	0.00202941	0.000969565
2045 Sep	0.001414672	0.078150272	1.03201E-05	4.55689621	8.015300751	0.066376746	0.001171495	61.59608841	0.004124363	0.011588915	0.00032162	0.00070946	0.000280211	0.331438452	8.55537E-06	0.000825465	0.000575656	0.00200533	0.000952311

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2045 Oct	0.001407781	0.077248238	1.01901E-05	4.516700745	7.934766769	0.065509759	0.001161051	60.8441391	0.004082505	0.011490585	0.000318639	0.000701758	0.00027765	0.32758972	8.45573E-06	0.000816528	0.000568755	0.001990158	0.000940487
2045 Nov	0.001407919	0.077255264	1.0191E-05	4.517204762	7.935581684	0.065515898	0.001161236	60.84941864	0.004082937	0.011491611	0.000318676	0.000701834	0.000277682	0.32762143	8.45654E-06	0.000816622	0.000568807	0.00199034	0.000940575
2045 Dec	0.001407944	0.07725668	1.01912E-05	4.517278671	7.935711384	0.065516956	0.001161255	60.85039139	0.004083004	0.011491816	0.000318682	0.000701845	0.000277686	0.327626795	8.45668E-06	0.000816635	0.000568816	0.001990374	0.00094059
2046 Jan	0.001407948	0.077257045	1.01912E-05	4.517289162	7.935730934	0.065517165	0.001161258	60.85051727	0.004083013	0.011491852	0.000318683	0.000701846	0.000277687	0.327627599	8.45669E-06	0.000816636	0.000568818	0.001990379	0.000940592
2046 Feb	0.001407953	0.077257492	1.01913E-05	4.517305374	7.935759544	0.065517485	0.001161262	60.85071182	0.004083027	0.011491896	0.000318684	0.000701849	0.000277688	0.327628791	8.45672E-06	0.000816639	0.000568821	0.001990386	0.000940595
2046 Mar	0.001408007	0.077260546	1.01917E-05	4.517477989	7.936064243	0.065520041	0.001161306	60.85303116	0.004083183	0.011492337	0.000318696	0.000701876	0.000277698	0.327641338	8.45704E-06	0.00081667	0.000568844	0.001990462	0.00094063
2046 Apr	0.001408239	0.077273324	1.01933E-05	4.518221378	7.937370777	0.065530851	0.001161497	60.86304474	0.004083856	0.01149423	0.000318749	0.000701991	0.000277744	0.32769531	8.45844E-06	0.000816804	0.000568938	0.00199079	0.000940785
2046 May	0.001409044	0.077318951	1.01997E-05	4.521246433	7.942165375	0.0655718	0.001162239	60.89791489	0.004086324	0.011500017	0.000318938	0.00070244	0.000277923	0.327898711	8.46249E-06	0.000817398	0.000569288	0.001991844	0.000941497
2046 Jun	0.001388003	0.077407025	1.01771E-05	4.533049107	7.813503265	0.064433552	0.001161948	59.81801987	0.004012841	0.011325826	0.000319955	0.000701054	0.000276321	0.323524773	8.17024E-06	0.000821957	0.000569058	0.001992123	0.000927391
2046 Jul	0.001345762	0.076981038	1.00106E-05	4.216150284	7.447206974	0.060523137	0.0010907	56.31741714	0.003851901	0.010972704	0.000311385	0.000674865	0.000262868	0.299868852	7.53002E-06	0.000755383	0.000564426	0.001988677	0.000861063
2046 Aug	0.001331584	0.076997049	9.85886E-06	3.942209244	7.247735023	0.057894405	0.001041383	53.90217972	0.003785671	0.010779356	0.000309001	0.00065708	0.000254132	0.281550974	7.11767E-06	0.000694713	0.000563508	0.001994798	0.000807401
2046 Sep	0.001322217	0.076501027	9.74126E-06	3.83923316	7.128444672	0.056145597	0.001023801	52.20367432	0.003744911	0.010606802	0.000307655	0.000648424	0.00025029	0.272204041	6.80944E-06	0.000673718	0.000557585	0.001987326	0.00077946
2046 Oct	0.001320178	0.076080635	9.67287E-06	3.811825037	7.0887146	0.055396922	0.001024049	51.65488052	0.003723757	0.010538324	0.000306053	0.000643609	0.000249077	0.269132465	6.69397E-06	0.000668196	0.000551395	0.001972742	0.000770178
2046 Nov	0.001320769	0.076119937	9.67522E-06	3.808975458	7.089577675	0.055335131	0.00102531	51.61703873	0.00372458	0.010537845	0.000306031	0.000643405	0.000249087	0.268857658	6.68152E-06	0.000667658	0.000550993	0.0019717	0.000769407
2046 Dec	0.001320789	0.076121144	9.67538E-06	3.809029341	7.089677334	0.055335902	0.001025325	51.61774445	0.003724633	0.01053801	0.000306035	0.000643414	0.00024909	0.268861443	6.68162E-06	0.000667667	0.000551001	0.001971729	0.000769418
2047 Jan	0.001320792	0.07612142	9.67539E-06	3.809034586	7.089687347	0.055336032	0.001025326	51.61779785	0.003724637	0.010538031	0.000306036	0.000643415	0.00024909	0.26886186	6.68163E-06	0.000667668	0.000551002	0.001971732	0.000769418
2047 Feb	0.001320797	0.076121874	9.67543E-06	3.809049368	7.089716434	0.055336334	0.00102533	51.61798096	0.003724651	0.010538075	0.000306038	0.000643417	0.00024909	0.268862933	6.68165E-06	0.000667671	0.000551005	0.00197174	0.000769421
2047 Mar	0.001320874	0.076126389	9.67599E-06	3.809270382	7.090127945	0.05533959	0.001025389	51.62096405	0.003724867	0.010538688	0.000306056	0.000643454	0.00024910	0.268878549	6.68204E-06	0.000667709	0.000551038	0.001971854	0.000769465
2047 Apr	0.00132097	0.076131992	9.6767E-06	3.809547901	7.090645313	0.05534365	0.001025464	51.62472153	0.003725139	0.010539456	0.000306078	0.000643501	0.000249124	0.268898189	6.68252E-06	0.000667758	0.000551078	0.001971998	0.000769521
2047 May	0.00132145	0.07618662	9.68156E-06	3.811898708	7.093628407	0.055382904	0.001025925	51.63688278	0.003726585	0.010541706	0.000306305	0.000643796	0.00024925	0.269034892	6.68277E-06	0.000668251	0.000551453	0.001972474	0.000770142
2047 Jun	0.001319967	0.079461776	9.66274E-06	3.833151579	7.073466778	0.056706492	0.001020863	51.06000519	0.003685675	0.010496481	0.00032409	0.000640116	0.000249061	0.268961668	6.51108E-06	0.000668818	0.000567465	0.001962467	0.000759497
2047 Jul	0.001337463	0.08437705	9.61832E-06	3.739191771	7.127389431	0.058260363	0.001006815	50.38030624	0.003682765	0.010472586	0.000351091	0.000634462	0.00024871	0.26356861	6.23282E-06	0.000640819	0.000593393	0.00196039	0.000733123
2047 Aug	0.001344514	0.085235916	9.53471E-06	3.708803892	7.133347511	0.058424853	0.001003984	49.85109329	0.003682656	0.010418923	0.000358408	0.000631852	0.000248646	0.261059791	6.11869E-06	0.000632701	0.000597798	0.00195395	0.000723303
2047 Sep	0.001351267	0.085083209	9.44774E-06	3.760272503	7.168713093	0.058545243	0.001019752	49.50737381	0.003700196	0.010346998	0.000364202	0.000635941	0.000251174	0.262188733	6.04055E-06	0.000645321	0.000596867	0.001944985	0.000724025
2047 Oct	0.001354625	0.085093744	9.40622E-06	3.750633001	7.176581383	0.058377903	0.001022408	49.4030838	0.003699932	0.010316984	0.000365714	0.000634771	0.000251378	0.261084735	5.9792E-06	0.000642903	0.000595152	0.001937138	0.000720318
2047 Nov	0.001356674	0.085244067	9.4121E-06	3.748853683	7.187866688	0.058404569	0.00102441	49.43929672	0.003705191	0.010321024	0.000366484	0.000635161	0.000251678	0.260995388	5.96794E-06	0.000642416	0.000595531	0.001936764	0.000720098
2047 Dec	0.001356695	0.085245445	9.41225E-06	3.748909712	7.187973976	0.058405433	0.001024426	49.4400177	0.003705246	0.010321192	0.000366489	0.00063517	0.000251682	0.260999322	5.96803E-06	0.000642426	0.00059554	0.001936794	0.000720109
2048 Jan	0.001356704	0.085246101	9.41231E-06	3.748932838	7.188018322	0.058405835	0.001024432	49.4403038	0.003705269	0.01032126	0.000366491	0.000635174	0.000251684	0.261000901	5.96806E-06	0.000642429	0.000595544	0.001936806	0.000720113
2048 Feb	0.001356719	0.085247166	9.41242E-06	3.748973608	7.188097	0.058406543	0.001024443	49.44083023	0.003705309	0.010321375	0.000366496	0.000635181	0.000251686	0.261003792	5.96813E-06	0.000642436	0.000595551	0.001936827	0.00072012
2048 Mar	0.001356722	0.085247405	9.41243E-06	3.748980761	7.188111305	0.058406692	0.001024444	49.44091797	0.003705316	0.010321396	0.000366497	0.000635182	0.000251687	0.261004329	5.96814E-06	0.000642437	0.000595553	0.001936831	0.000720122
2048 Apr	0.001356891	0.085258186	9.41361E-06	3.749453068	7.18901062	0.058414098	0.001024573	49.44704819	0.003705778	0.010322675	0.000366542	0.000635261	0.000251718	0.261037111	5.96887E-06	0.000642519	0.000595628	0.001937071	0.000720213
2048 May	0.001357618	0.08530397	9.41866E-06	3.751464128	7.192863941	0.058445465	0.001025122	49.473526	0.003707764	0.010328203	0.000366739	0.000635602	0.000251853	0.261177063	5.97207E-06	0.000642863	0.000595948	0.001938108	0.0007206
2048 Jun	0.001345791	0.085041307	9.39658E-06	3.73737359	7.121896744	0.057780728	0.001019202	49.16184616	0.003663714	0.010270575	0.000364402	0.000631963	0.000250005	0.258900732	5.88081E-06	0.000640062	0.00059282	0.001934834	0.000711592
2048 Jul	0.001323798	0.084903128	9.39041E-06	3.603966475	6.958954334	0.056075014	0.00098973	47.81565475	0.003586351	0.010169229	0.000357457	0.000620298	0.00024373	0.249490052	5.65286E-06	0.000612645	0.000589853	0.001937015	0.000684274
2048 Aug	0.001319162	0.08535213	9.4397E-06	3.50850606	6.903011799	0.055048455	0.000976518	46.88436127	0.003572515	0.010130148	0.000355883	0.000617172	0.000241141	0.242901146	5.46941E-06	0.000593837	0.000591567	0.001949358	0.000666823
2048 Sep	0.001320555	0.085480876	9.47803E-06	3.49105978	6.90764761	0.0544977	0.000980569	46.40633392	0.003586864	0.01009268	0.000356871	0.000620131	0.000241658	0.240555629	5.34053E-06	0.00059289	0.00059135	0.001956578	0.000660636
2048 Oct	0.001323141	0.085423395	9.48458E-06	3.489865541	6.928174973	0.054325737	0.000987968	46.47204208	0.003596503	0.010081627	0.000357088	0.00062149	0.000242451	0.240106776	5.30683E-06	0.000593081	0.000589813	0.001954863	0.000660144
2048 Nov	0.001323663	0.085417822	9.48585E-06	3.486716509	6.930282593	0.054273438	0.000988779	46.46581268	0.003597725	0.010080657	0.000356939	0.000621399	0.000242479	0.239890322	5.29918E-06	0.000592479	0.00058939	0.001954156	0.000659734
2048 Dec	0.001323681	0.085419044	9.48598E-06	3.486761808	6.930372238	0.054274134	0.000988792	46.46640396	0.003597772	0.010080802	0.000356943	0.000621406	0.000242482	0.239893436	5.29925E-06	0.000592486	0.000589398	0.001954182	0.000659742
2049 Jan	0.001323684	0.085419372	9.48601E-06	3.486769676	6.930388451	0.054274302	0.000988794	46.4664917	0.003597779	0.010080831	0.000356944	0.000621408	0.000242482	0.239894003	5.29926E-06	0.000592487	0.0005894	0.001954186	0.000659744
2049 Feb	0.001323687	0.085419685	9.48603E-06	3.486777067	6.930402756	0.054274481	0.000988796	46.46657181	0.003597786	0.010080853	0.000356945	0.000621409	0.000242483	0.239894524	5.29927E-06	0.000592488	0.000589402	0.00195419	0.000659745
2049 Mar	0.00132372	0.085421868	9.48626E-06	3.486862898	6.930574417	0.054275859	0.00098882	46.46770859	0.003597874	0.010081103	0.000356954	0.000621424	0.000242489	0.239900455	5.2994E-06	0.000592503	0.000589417	0.001954238	0.000659761
2049 Apr	0.00132389	0.085432835	9.48747E-06	3.487308741	6.931460381	0.054282822	0.000988946	46.47364426	0.003598335	0.010082393	0.000357	0.000621503	0.00024252	0.239931151	5.30007E-06	0.000592579	0.000589492	0.001954488	0.000659845
2049 May	0.001324592	0.085479952	9.49256E-06	3.489185095	6.935140133	0.054312658	0.000989469	46.49781036	0.003600237	0.010087715	0.000357197	0.000621833	0.000242649	0.240059763	5.30282E-06	0.000592898	0.000589815	0.001955518	0.000660203
2049 Jun	0.001309455	0.08536303	9.48756E-06	3.467581034	6.842283249	0.053619232	0.00097933	46.02833557	0.003546745	0.010039606	0.00035408	0.000616733	0.000239973	0.237447277	5.21483E-06	0.000588451	0.000587317	0.001954171	0.000649503
2049 Jul	0.001291763	0.085027225	9.47238E-06	3.347456217	6.709483147	0.052115962	0.000953169	44.89685822	0.003486413	0.009944973	0.000347286	0.000606681	0.000234678	0.229280308	5.02239E-06	0.000564041	0.000583702	0.001953926	0.00062759
2049 Aug	0.001292688	0.085226528	9.50958E-06	3.271109819	6.691654682	0.051337149	0.000947093	44.33721924	0.003491957	0.009918954	0.000346003	0.000605903	0.000233536	0.224236518	4.89258E-06	0.000548719	0.000584956	0.001965394	0.000616724
2049 Sep	0.001297108	0.085275188	9.53509E-06	3.296936512	6.722361088	0.051262837	0.000958172	44.20241547	0.003515873	0.009909003	0.000348073	0.000611126	0.00023535	0.224774271	4.84405E-06	0.000556484	0.000585524	0.001971011	0.000618415
2049 Oct	0.001300723	0.085265763	9.54378E-06	3.305127382	6.747775078	0.051192556	0.000966508	44.29048157	0.003528836	0.009907947	0.000348686	0.00061319	0.000236396	0.224923924	4.82282E-06	0.000558828	0.000584638	0.001970149	0.000619447
2049 Nov	0.001301314	0.085271738	9.54558E-06	3.303826809	6.750596523	0.051168676	0.000967388	44.29539108	0.00353044	0.009908813	0.00034865	0.000613261	0.000236471	0.224832609	4.81908E-06	0.000558585	0.000584454	0.001969902	0.000619356
2049 Dec	0.001301336	0.085273214	9.54574E-06	3.303880453	6.750704765	0.051169492	0.000967404	44.29609299	0.003530497	0.009908984	0.000348655	0.000613271	0.000236475	0.224836245	4.81916E-06	0.000558594	0.000584463	0.001969934	0.000619365
2050 Jan	0.001301342	0.085273705	9.54579E-06	3.303894758	6.750734806	0.051169761	0.000967408	44.29627228	0.003530512	0.009909034	0.000348657	0.000613273	0.000236476	0.224837244	4.81918E-06	0.000558597	0.000584466	0.001969943	0.000619368
2050 Feb	0.001301345	0.085273989	9.54581E-06	3.303900719	6.750748158	0.051169921	0.00096741	44.29634094	0.003530518	0.009909054	0.000348658	0.000613274	0.000236476	0.224837705	4.81919E-06	0.000558597	0.000584468	0.001969946	0.000619369
2050 Mar	0.001301351	0.085274473	9.54585E-06	3.303916693	6.750780582	0.0511702	0.000967414	44.29654312	0.003530535	0.009909102	0.00034866	0.000613277	0.000236477	0.224838808	4.81921E-06	0.0005586	0.000584471	0.001969956	0.000619371
2050 Apr	0.001301474	0.085282587	9.54676E-06	3.304229498	6.751420021	0.051175065	0.000967506	44.30073547	0.003530869	0.009910041	0.000348693	0.000613335	0.0002365	0.224860087	4.81967E-06	0.000558653	0.000584527	0.001970142	0.00061943
2050 May	0.001302051	0.085321769	9.551E-06	3.305691719	6.754397869	0.051198389	0.000967929	44.32000732	0.003532421	0.009914438	0.000348853	0.000613604	0.000236604	0.224959776	4.82177E-06	0.000558898	0.000584793	0.001971013	0.000619702
2050 Jun	0.001292072	0.085712411	9.55182E-06	3.306612968	6.696719646	0.051023886	0.000966276	44.04860306	0.003492506	0.00989292	0.000349407	0.000610544	0.000235274	0.223908022	4.7733E-06	0.000557978	0.000585624	0.001970606	0.000612399
2050 Jul	0.001279086	0.085870452	9.53782E-06	3.202070236	6.592926502	0.050020128	0.000943228	43.12896729	0.003444193	0.009821272	0.000345911	0.000601678	0.000230911	0.217154488	4.6115E-06	0.000535839	0.000585083	0.001969539	0.000593815
2050 Aug	0.001284267	0.086363047	9.55701E-06	3.128246784	6.605300903	0.049609624	0.00093694	42.79773712	0.003459427	0.009792608	0.000347473	0.000601576	0.000230437	0.212805659	4.49038E-06	0.000520439	0.00058797	0.001976216	0.000585563
2050 Sep	0.001297225	0.086506441	9.57366E-06	3.14206624	6.699734688	0.049833219	0.000951045	43.09197617	0.003508281	0.009781679	0.000352083	0.000610008	0.000233667	0.213360652	4.45316E-06	0.000524803	0.000591079	0.001983331	0.000591304
2050 Oct	0.001300264	0.086531349	9.57856E-06	3.148512363	6.722498417	0.049906369	0.00095509	43.20550919	0.003518864	0.009783749	0.000353019	0.000611906	0.000234463	0.213705182	4.45252E-06	0.000526316	0.00059161	0.001984667	0.000593066
2050 Nov	0.001300435	0.086542144	9.57977E-06	3.14895153	6.723412991	0.049912918	0.000955242	43.21118164	0.003519336	0.009784986	0.000353066	0.00061199	0.000234496	0.213733763	4.45313E-06	0.000526391	0.000591684	0.001984916	0.000593147
2050 Dec	0.001300455	0.0865435	9.57992E-06	3.148998737	6.723513126	0.049913663	0.000955257	43.21182251	0.003519389	0.009785141	0.000353071	0.000611999	0.0002345	0.213736966	4.4532E-06	0.000526399	0.000591693	0.001984946	0.000593156
2051 Jan	0.001300462	0.086543992	9.57997E-06	3.149013996	6.723545551	0.049913932	0.000955261	43.21202087	0.003519405	0.009785191	0.000353073	0.000612001	0.000234501	0.213738009	4.45322E-06	0.000526401	0.000591696	0.001984956	0.000593159
2051 Feb	0.001300466	0.086544357	9.58E-06	3.149024725	6.723568439	0.04991414	0.000955264	43.2121582	0.003519417	0.009785225	0.000353074	0.000612003	0.000234502	0.213738754	4.45323E-06	0.000526403	0.000591699	0.001984963	0.000593161
2051 Mar	0.001300487	0.086545788	9.58015E-06	3.149075031	6.723675728	0.049914956	0.000955279	43.21284103	0.003519473	0.009785382	0.00035308	0.000612013	0.000234505	0.213742167	4.4533E-06	0.000526411	0.000591708	0.001984994	0.00059317
2051 Apr	0.001300665	0.086557671	9.58147E-06	3.149506569	6.724597931	0.049921811	0.00095541	43.21876526	0.003519956	0.009786723	0.000353129	0.000612097	0.000234538	0.213771492	4.45391E-06	0.000526483	0.000591789	0.001985266	0.000593251
2051 May	0.001301328	0.086611561	9.58644E-06	3.151094675	6.727928638	0.049951732	0.000955857	43.23841095	0.003521657	0.009791797	0.000353349	0.000612389	0.000234652	0.213880837	4.45601E-06	0.000526735	0.000592141	0.001986264	0.000593532
2051 Jun	0.001297177	0.086576477	9.5696E-06	3.144194603	6.702302456	0.04987216	0.000952203	42.99940109	0.003508794	0.0097674	0.000352881	0.000610363	0.000233839	0.213297158	4.43627E-06	0.000525671	0.000591546	0.001981545	0.000591607
2051 Jul	0.001296887	0.086628675	9.57451E-06	3.146306038	6.699308395	0.049881704	0.000952062	42.94214249	0.003507874	0.009767525	0.000352941	0.000610367	0.000233807	0.213341489	4.43272E-06	0.000526267	0.000591797	0.001981869	0.00059177
2051 Aug	0.001297439	0.086687922	9.58235E-06	3.149166822	6.701307774	0.049906027	0.000952603	42.93580246	0.003509234	0.009772065	0.000353064	0.000610639	0.000233919	0.213480875	4.4331E-06	0.000526894	0.000592035	0.001982699	0.000592273
2051 Sep	0.00129613	0.086654425	9.57863E-06	3.148433208	6.69217968	0.049858376	0.000951856	42.83919525	0.003505041	0.009764438	0.000352692	0.000609947	0.000233664	0.213332251	4.42561E-06	0.00052701	0.00059147	0.001980688	0.000591826
2051 Oct	0.00129286	0.086546652	9.56429E-06	3.143508196	6.669107437	0.049719092	0.000949664	42.62411118	0.003493987	0.009746438	0.000351702	0.000607985	0.000232942	0.212836817	4.40876E-06	0.0005265	0.000589912	0.00197547	0.000590044
2051 Nov	0.001292746	0.086549871	9.56437E-06	3.143408298	6.667770863	0.049711496	0.000949591	42.60930634	0.003493381	0.009746399	0.000351648	0.000607866	0.000232901	0.212815866	4.4078E-06	0.000526504	0.000589835	0.001975244	0.000589929
2051 Dec	0.001292764	0.086551167	9.56451E-06	3.143451691	6.667862415	0.04971217	0.000949605	42.60987854	0.003493429	0.009746545	0.000351653	0.000607874	0.000232904	0.212818801	4.40786E-06	0.000526511	0.000589843	0.001975272	0.000589937
2052 Jan	0.001292766	0.086551405	9.56453E-06	3.143455744	6.667870045	0.049712278	0.000949606	42.60991287	0.003493432	0.009746564	0.000351654	0.000607874	0.000232904	0.212819099	4.40786E-06	0.000526512	0.000589844	0.001975274	0.000589937
2052 Feb	0.001292776	0.086552225	9.56461E-06	3.143480301	6.667920589	0.049712721	0.000949613	42.61020279	0.003493458	0.009746641	0.000351657	0.000607879	0.000232906	0.212820768	4.40789E-06	0.000526516	0.000589849	0.001975289	0.000589941
2052 Mar	0.001292823	0.086555414	9.56495E-06	3.143593788	6.668160915	0.049714554	0.000949647	42.61173248	0.003493584	0.009746994	0.000351669	0.000607901	0.000232914	0.212828472	4.40805E-06	0.000526535	0.000589871	0.00197536	0.000589962
2052 Apr	0.001292923	0.086562157	9.56569E-06	3.143837214	6.66867733	0.049718425	0.00094972	42.61502457	0.003493854	0.009747748	0.000351697	0.000607948	0.000232932	0.212844953	4.40839E-06	0.000526575	0.000589917	0.001975513	0.000590008
2052 May	0.001293221	0.086622737	9.56893E-06	3.144893885	6.669318199	0.049742632	0.000949849	42.60632324	0.003494185	0.009750855	0.000351906	0.000607992	0.000232961	0.212902635	4.40828E-06	0.000526751	0.000590199	0.001975901	0.000590032
2052 Jun	0.001291732	0.086814545	9.5681E-06	3.143378019	6.654622555	0.049764317	0.000948014	42.42315674	0.003486727	0.009747865	0.000352306	0.00060665	0.000232496	0.212694615	4.39563E-06	0.000526462	0.000590604	0.001973852	0.000588494
2052 Jul	0.001292554	0.086921722	9.57897E-06	3.14662981	6.657064915	0.049802199	0.00094858	42.41418457	0.003488305	0.009755664	0.000352549	0.000606952	0.000232618	0.212859571	4.3963E-06	0.000527118	0.000591054	0.001975137	0.00058899

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2052 Aug	0.001293565	0.087002516	9.58875E-06	3.150010347	6.661744595	0.049842749	0.000949417	42.43214798	0.003490901	0.009763323	0.00035279	0.000607415	0.000232806	0.213056073	4.39868E-06	0.000527778	0.000591479	0.001976542	0.000589652
2052 Sep	0.00129336	0.087019222	9.59047E-06	3.150647879	6.659303665	0.049836051	0.000949366	42.39650345	0.003489854	0.009762817	0.000352707	0.000607226	0.000232751	0.213051781	4.39622E-06	0.000527993	0.000591359	0.001976043	0.000589653
2052 Oct	0.001293309	0.087035619	9.59167E-06	3.151023149	6.658055305	0.049833436	0.000949358	42.37713623	0.003489329	0.009763326	0.000352683	0.000607122	0.00023272	0.21305199	4.39501E-06	0.000528106	0.000591322	0.001975852	0.000589608
2052 Nov	0.001293445	0.087044977	9.5927E-06	3.151358366	6.658748627	0.049838651	0.000949459	42.38146973	0.003489693	0.00976437	0.000352719	0.000607186	0.000232745	0.21307449	4.39547E-06	0.000528163	0.000591384	0.001976059	0.00058967
2052 Dec	0.001293465	0.087046288	9.59285E-06	3.151403427	6.658843517	0.049839355	0.000949473	42.38206482	0.003489743	0.009764518	0.000352724	0.000607194	0.000232748	0.21307753	4.39553E-06	0.00052817	0.000591393	0.001976088	0.000589679
2053 Jan	0.001293471	0.087046802	9.59289E-06	3.151418686	6.658876419	0.049839631	0.000949477	42.38225937	0.00348976	0.00976457	0.000352726	0.000607197	0.000232749	0.213078588	4.39555E-06	0.000528173	0.000591396	0.001976098	0.000589681
2053 Feb	0.001293488	0.087048039	9.59302E-06	3.151460409	6.658964157	0.049840331	0.00094949	42.38280487	0.003489805	0.009764699	0.000352731	0.000607205	0.000232752	0.213081405	4.39561E-06	0.00052818	0.000591404	0.001976124	0.000589689
2053 Mar	0.00129355	0.087052256	9.59348E-06	3.151611328	6.659283638	0.049842749	0.000949535	42.38483429	0.003489972	0.009765169	0.000352748	0.000607234	0.000232763	0.213091642	4.39582E-06	0.000528205	0.000591433	0.001976218	0.000589717
2053 Apr	0.001293743	0.087065205	9.59491E-06	3.152079344	6.660272598	0.049850162	0.000949676	42.39112473	0.003490491	0.009766618	0.0003528	0.000607324	0.000232798	0.213123292	4.39647E-06	0.000528283	0.000591521	0.001976512	0.000589805
2053 May	0.001294072	0.087226808	9.59918E-06	3.154861212	6.65941906	0.049916379	0.00094971	42.33617401	0.003490119	0.00977085	0.00035348	0.000607245	0.000232806	0.213246047	4.3936E-06	0.000528825	0.000592218	0.001976703	0.000589559
2053 Jun	0.001291531	0.087592036	9.58941E-06	3.155876875	6.637818813	0.050036252	0.000946923	42.0184288	0.00347882	0.009757902	0.000355019	0.000605291	0.000232187	0.213094488	4.3703E-06	0.000529217	0.000593377	0.001972054	0.0005873
2053 Jul	0.001292823	0.087728359	9.60177E-06	3.160373688	6.643727779	0.050105855	0.000947873	42.03442764	0.003482055	0.009768276	0.00035552	0.000605903	0.000232424	0.213357151	4.37298E-06	0.000530068	0.000594197	0.001974098	0.000588026
2053 Aug	0.001294964	0.087868981	9.61852E-06	3.166125059	6.654882908	0.050188821	0.000949545	42.10174561	0.003487941	0.009783937	0.000356063	0.000606941	0.000232827	0.213732034	4.3799E-06	0.000531093	0.000595137	0.001977258	0.000589197
2053 Sep	0.001296301	0.087956734	9.62887E-06	3.169690609	6.661876678	0.0502409	0.000950589	42.14426422	0.003491624	0.009793743	0.000356407	0.00060759	0.000233078	0.213965595	4.38425E-06	0.000531726	0.000595731	0.001979241	0.000589918
2053 Oct	0.001296641	0.087977774	9.63167E-06	3.170730352	6.663687706	0.05025398	0.000950884	42.15436172	0.003492582	0.009796126	0.000356481	0.000607762	0.000233146	0.214030474	4.38525E-06	0.000531926	0.000595873	0.001979706	0.000590154
2053 Nov	0.001296625	0.087976202	9.63174E-06	3.170772314	6.663573265	0.050252747	0.000950893	42.15280533	0.003492528	0.009795992	0.000356461	0.000607753	0.000233143	0.214030549	4.3851E-06	0.000531945	0.000595852	0.001979646	0.000590179
2053 Dec	0.001296635	0.087976873	9.63182E-06	3.170793056	6.66361618	0.050253063	0.0009509	42.15306473	0.003492551	0.009796067	0.000356463	0.000607757	0.000233145	0.214031935	4.38512E-06	0.000531948	0.000595856	0.00197966	0.000590183
2054 Jan	0.001296638	0.087977193	9.63184E-06	3.170800447	6.663631916	0.050253224	0.000950902	42.15314865	0.003492558	0.009796096	0.000356464	0.000607758	0.000233145	0.214032486	4.38513E-06	0.000531949	0.000595858	0.001979664	0.000590184
2054 Feb	0.001296646	0.087977856	9.6319E-06	3.170819998	6.663673401	0.0502536	0.000950908	42.15339661	0.00349258	0.009796157	0.000356467	0.000607761	0.000233147	0.214033827	4.38516E-06	0.000531952	0.000595863	0.001979677	0.000590187
2054 Mar	0.00129665	0.087978177	9.63193E-06	3.170829296	6.663693428	0.050253779	0.00095091	42.15351486	0.00349259	0.009796187	0.000356468	0.000607763	0.000233147	0.214034483	4.38517E-06	0.000531954	0.000595865	0.001979682	0.000590189
2054 Apr	0.001296815	0.08798942	9.63316E-06	3.171232939	6.664542198	0.050260197	0.000951031	42.15887451	0.003493034	0.009797435	0.000356513	0.00060784	0.000233177	0.214061737	4.38573E-06	0.000532021	0.000595941	0.001979934	0.000590264
2054 May	0.001297376	0.088052981	9.63756E-06	3.172870159	6.66716671	0.050294176	0.000951386	42.16807938	0.003494361	0.009801794	0.000356785	0.000608071	0.000233273	0.214166716	4.387E-06	0.000532295	0.000596325	0.00198074	0.000590482
2054 Jun	0.001295299	0.088414013	9.63112E-06	3.175551653	6.649709225	0.050431885	0.000949062	41.88645172	0.003485435	0.009791535	0.000358433	0.000606667	0.000232812	0.214124769	4.36676E-06	0.000533033	0.000597825	0.001977585	0.000588694
2054 Jul	0.001294538	0.088509552	9.63291E-06	3.176891327	6.642977238	0.050452046	0.000948341	41.78496933	0.00348244	0.009788807	0.000358686	0.000606269	0.000232654	0.214104071	4.3598E-06	0.000533465	0.000598126	0.001976921	0.000588365
2054 Aug	0.001295121	0.088579997	9.64051E-06	3.179875374	6.645157337	0.050484162	0.000948891	41.77754974	0.003483818	0.009793372	0.000358882	0.000606533	0.00023277	0.214253947	4.36006E-06	0.000534103	0.000598428	0.00197769	0.000588855
2054 Sep	0.001295284	0.088621952	9.6444E-06	3.181502104	6.645063877	0.050498266	0.000949098	41.75795746	0.003483979	0.009795151	0.000358971	0.00060657	0.000232799	0.214320287	4.3591E-06	0.000534478	0.000598545	0.001977851	0.000589027
2054 Oct	0.001294874	0.088627063	9.64347E-06	3.181530476	6.641737938	0.050487306	0.000948862	41.71787643	0.003482437	0.009793032	0.000358902	0.000606301	0.000232708	0.214280561	4.35613E-06	0.000534576	0.000598393	0.001977091	0.000588836
2054 Nov	0.001294733	0.088630863	9.64319E-06	3.181527138	6.640483379	0.05048335	0.000948773	41.70272446	0.003481857	0.009792426	0.000358882	0.000606196	0.000232672	0.214265168	4.35505E-06	0.000534605	0.000598341	0.001976828	0.000588745
2054 Dec	0.001294759	0.08863268	9.64339E-06	3.181588888	6.640610695	0.050484315	0.000948792	41.70351791	0.003481925	0.009792629	0.000358888	0.000606208	0.000232677	0.21426931	4.35514E-06	0.000534616	0.000598353	0.001976867	0.000588757
2055 Jan	0.001294761	0.088632956	9.64341E-06	3.181593895	6.640622139	0.050484441	0.000948793	41.7035675	0.00348193	0.00979265	0.000358889	0.000606209	0.000232677	0.214269698	4.35515E-06	0.000534616	0.000598354	0.00197687	0.000588757
2055 Feb	0.001294763	0.088633202	9.64342E-06	3.181598186	6.640631199	0.050484583	0.000948794	41.70360947	0.003481934	0.009792665	0.000358889	0.000606209	0.000232677	0.214270011	4.35515E-06	0.000534617	0.000598356	0.001976873	0.000588758
2055 Mar	0.00129478	0.088634439	9.64355E-06	3.181640148	6.640718937	0.050485283	0.000948806	41.70414734	0.003481979	0.009792795	0.000358895	0.000606217	0.00023268	0.214272842	4.35521E-06	0.000534624	0.000598364	0.001976898	0.000588765
2055 Apr	0.001294916	0.088643782	9.64456E-06	3.181973934	6.641416073	0.050490603	0.000948906	41.7085228	0.003482345	0.009793823	0.000358932	0.000606281	0.000232705	0.214295343	4.35566E-06	0.00053468	0.000598427	0.001977106	0.000588827
2055 May	0.001295495	0.088683449	9.64887E-06	3.183396816	6.644385338	0.050513186	0.00094933	41.72716904	0.003483902	0.009798203	0.000359093	0.000606552	0.000232809	0.214391172	4.35761E-06	0.000534919	0.000598695	0.00197799	0.00058909
2055 Jun	0.001291039	0.088663444	9.64079E-06	3.178585768	6.611755371	0.050367299	0.000945662	41.39873886	0.003469451	0.009780213	0.000358251	0.0006044	0.000231859	0.213768274	4.33493E-06	0.000534548	0.000597797	0.001974711	0.00058642
2055 Jul	0.00129002	0.088701688	9.64541E-06	3.178766489	6.602712631	0.050334241	0.000944781	41.29294968	0.003465853	0.009778949	0.000358015	0.00060396	0.000231628	0.213652745	4.3284E-06	0.000534788	0.000597775	0.001974755	0.000585949
2055 Aug	0.001291696	0.088813715	9.65906E-06	3.183462381	6.611353397	0.050399091	0.000946107	41.34287262	0.003470449	0.0097912	0.000358429	0.000604776	0.000231946	0.213952422	4.33362E-06	0.000535645	0.000598499	0.001977213	0.000586919
2055 Sep	0.00129166	0.088822298	9.66192E-06	3.184280396	6.610447884	0.050394926	0.000946191	41.32530212	0.003470212	0.009791647	0.000358339	0.000604753	0.000231941	0.213971689	4.33256E-06	0.000535873	0.000598447	0.001977212	0.000587077
2055 Oct	0.001291845	0.088839568	9.66423E-06	3.185011625	6.611089706	0.050400767	0.000946358	41.32511902	0.003470626	0.009793391	0.000358364	0.000604832	0.000231971	0.214008883	4.33282E-06	0.000536027	0.000598524	0.001977503	0.000587203
2055 Nov	0.001291934	0.088846505	9.66508E-06	3.185282946	6.611476421	0.050403837	0.00094643	41.32669449	0.003470844	0.009794136	0.000358382	0.00060487	0.000231986	0.214024708	4.33305E-06	0.000536079	0.000598561	0.001977636	0.000587252
2055 Dec	0.001291946	0.088847503	9.6652E-06	3.185321808	6.61152792	0.050404258	0.00094644	41.32686615	0.003470873	0.00979424	0.000358385	0.000604875	0.000231988	0.214026913	4.33308E-06	0.000536087	0.000598566	0.001977655	0.000587258
2056 Jan	0.001291952	0.088848121	9.66526E-06	3.185337543	6.611555576	0.050404545	0.000946444	41.32699203	0.003470888	0.009794296	0.000358387	0.000604878	0.000231989	0.214027941	4.33309E-06	0.000536089	0.00059857	0.001977665	0.00058726
2056 Feb	0.001291958	0.088848688	9.6653E-06	3.185351849	6.611584663	0.05040485	0.000946448	41.32714844	0.003470902	0.009794342	0.000358389	0.00060488	0.00023199	0.214028925	4.33311E-06	0.000536091	0.000598573	0.001977673	0.000587262
2056 Mar	0.001291982	0.088850372	9.66547E-06	3.185408831	6.611702919	0.0504058	0.000946465	41.32787323	0.003470964	0.009794518	0.000358395	0.000604891	0.000231994	0.214032784	4.33319E-06	0.000536101	0.000598585	0.001977708	0.000587273
2056 Apr	0.001292142	0.088861436	9.66667E-06	3.185803652	6.612523079	0.050412077	0.000946582	41.33298874	0.003471394	0.009795734	0.00035844	0.000604966	0.000232023	0.214059323	4.33372E-06	0.000536167	0.000598659	0.001977953	0.000587345
2056 May	0.001292393	0.088973328	9.67136E-06	3.186751604	6.611937046	0.050452016	0.00094643	41.30533218	0.003471097	0.00980004	0.000358824	0.000604908	0.000232011	0.214104861	4.33264E-06	0.000536262	0.000599193	0.001978581	0.000587141
2056 Jun	0.001288989	0.089236788	9.66299E-06	3.180796146	6.58509016	0.050481588	0.000942256	41.00771713	0.00345711	0.009786628	0.000359474	0.000602503	0.00023113	0.213593811	4.3108E-06	0.000534992	0.000599879	0.001974816	0.000584288
2056 Jul	0.001290632	0.08937569	9.67786E-06	3.185460806	6.59291935	0.050552271	0.000943427	41.04596329	0.003461334	0.009799754	0.000359952	0.000603271	0.000231422	0.21388486	4.31543E-06	0.000535822	0.000600737	0.001977465	0.000585158
2056 Aug	0.001291833	0.089470699	9.68901E-06	3.18919611	6.598688602	0.050601929	0.000944367	41.07223511	0.003464466	0.009808769	0.000360258	0.000603832	0.000231646	0.21411033	4.31856E-06	0.000536527	0.000601274	0.001979199	0.000585915
2056 Sep	0.001292809	0.08953844	9.69719E-06	3.192048311	6.603638172	0.050640266	0.000945164	41.09886551	0.003467101	0.009816002	0.000360494	0.000604299	0.00023183	0.214289054	4.32141E-06	0.000537057	0.000601702	0.001980593	0.000586501
2056 Oct	0.001292359	0.08954379	9.6962E-06	3.1917462 35	6.600142002	0.050628982	0.00094484	41.05966568	0.003465415	0.00981372	0.000360413	0.000604008	0.000231727	0.214234978	4.31841E-06	0.000537071	0.000601568	0.00197984	0.000586302
2056 Nov	0.001292335	0.089551777	9.69658E-06	3.191863298	6.599695206	0.050629545	0.000944819	41.0525856	0.00346522	0.009813875	0.00036042	0.000603973	0.000231716	0.214234829	4.31797E-06	0.000537103	0.000601577	0.001979794	0.000586277
2056 Dec	0.001292352	0.089552991	9.69671E-06	3.191903114	6.599777222	0.050630167	0.000944831	41.05308533	0.003465263	0.009814011	0.000360425	0.00060398	0.000231719	0.214237496	4.31803E-06	0.00053711	0.000601585	0.001979819	0.000586284
2057 Jan	0.001292359	0.089553572	9.69677E-06	3.191919565	6.599811077	0.050630469	0.000944836	41.05327988	0.00346528	0.009814065	0.000360427	0.000603983	0.00023172	0.214238629	4.31805E-06	0.000537112	0.000601588	0.001979829	0.000586286
2057 Feb	0.001292364	0.089554012	9.6968E-06	3.191930771	6.599834442	0.050630711	0.000944839	41.05340958	0.003465292	0.009814102	0.000360428	0.000603985	0.000231721	0.214239404	4.31806E-06	0.000537114	0.000601591	0.001979836	0.000586288
2057 Mar	0.001292407	0.089557037	9.69712E-06	3.192035913	6.600052357	0.050632417	0.00094487	41.05475998	0.003465406	0.009814426	0.00036044	0.000604005	0.000231728	0.214246497	4.31821E-06	0.000537132	0.000601611	0.001979901	0.000586307
2057 Apr	0.001292577	0.089568853	9.6984E-06	3.192455769	6.600921154	0.0506391	0.000944994	41.06015396	0.003465862	0.009815718	0.000360488	0.000604084	0.000231759	0.214274675	4.31877E-06	0.000537202	0.00060169	0.001980162	0.000586385
2057 May	0.001293282	0.089638047	9.70404E-06	3.194271088	6.604203224	0.050674561	0.000945441	41.07552719	0.003467554	0.0098214	0.000360763	0.000604375	0.000231875	0.214394256	4.3207E-06	0.000537493	0.000602111	0.001981239	0.000586645
2057 Jun	0.001289894	0.089930028	9.69805E-06	3.189006805	6.576135635	0.050702315	0.000941241	40.75661087	0.0034533	0.009810152	0.000361448	0.000601968	0.000230973	0.213891983	4.2981E-06	0.000536405	0.000602896	0.001977904	0.000583647
2057 Jul	0.001290707	0.090052463	9.70942E-06	3.191991329	6.578708172	0.050749194	0.000941676	40.74991989	0.003454936	0.009818837	0.000361777	0.00060232	0.000231093	0.214050069	4.29914E-06	0.000536952	0.000603578	0.001979703	0.000584047
2057 Aug	0.001293586	0.090249896	9.73162E-06	3.199480772	6.59351778	0.050862618	0.000943848	40.83948135	0.003462739	0.009840343	0.000362555	0.000603692	0.000231622	0.214543208	4.30851E-06	0.000538256	0.000604897	0.001984044	0.000585493
2057 Sep	0.00129439	0.090300277	9.73846E-06	3.202016115	6.597799301	0.050894018	0.000944557	40.86264038	0.003465017	0.009845951	0.000362728	0.000604103	0.000231784	0.214699715	4.31084E-06	0.000538748	0.000605229	0.001985147	0.000586069
2057 Oct	0.001294408	0.09029793	9.73921E-06	3.202428102	6.597920895	0.050893508	0.000944658	40.86059189	0.003465099	0.009845829	0.000362685	0.000604124	0.000231796	0.21471712	4.31057E-06	0.000538866	0.000605198	0.001985052	0.000586225
2057 Nov	0.00129452	0.090305559	9.74011E-06	3.202729702	6.598478794	0.050897665	0.000944746	40.86377716	0.003465394	0.009846677	0.000362711	0.000604175	0.000231816	0.214736477	4.3109E-06	0.00053892	0.000605245	0.001985211	0.000586286
2057 Dec	0.00129454	0.090306982	9.74027E-06	3.202777386	6.598576069	0.05089841	0.000944761	40.86437225	0.003465445	0.009846834	0.000362716	0.000604184	0.00023182	0.214739665	4.31097E-06	0.000538928	0.000605254	0.001985241	0.000586294
2058 Jan	0.001294541	0.090307154	9.74028E-06	3.20277977	6.598581314	0.050898489	0.000944761	40.86438751	0.003465447	0.009846847	0.000362716	0.000604184	0.000231822	0.214739844	4.31097E-06	0.000538928	0.000605255	0.001985243	0.000586295
2058 Feb	0.001294544	0.090307429	9.74029E-06	3.20278573	6.598593712	0.050898638	0.000944763	40.86445236	0.003465453	0.009846866	0.000362717	0.000604185	0.00023182	0.214740276	4.31098E-06	0.000538929	0.000605257	0.001985246	0.000586295
2058 Mar	0.001294557	0.090308405	9.74039E-06	3.202818155	6.598660946	0.050899185	0.000944772	40.86486435	0.003465488	0.009846967	0.000362721	0.000604191	0.000231823	0.214742467	4.31102E-06	0.000538935	0.000605263	0.001985266	0.000586301
2058 Apr	0.001294662	0.090315767	9.74118E-06	3.203078032	6.599195957	0.050903331	0.000944849	40.86817169	0.003465769	0.009847766	0.00036275	0.00060424	0.000231841	0.214759901	4.31137E-06	0.000538978	0.000605312	0.001985427	0.000586349
2058 May	0.001295259	0.090484582	9.74649E-06	3.2072649	6.600790501	0.050988287	0.000945198	40.82849884	0.003466757	0.009852953	0.000363587	0.00060447	0.000231949	0.214967012	4.30976E-06	0.000539833	0.000606242	0.001986244	0.000586377
2058 Jun	0.001292237	0.090995982	9.73247E-06	3.214054108	6.577437878	0.051215574	0.000942294	40.41521454	0.003455074	0.009834401	0.000366327	0.000602781	0.0002314	0.215041786	4.27978E-06	0.000541697	0.000608592	0.001981411	0.000584025
2058 Jul	0.001293376	0.091127649	9.74379E-06	3.218434811	6.582680702	0.051284231	0.000943136	40.42457581	0.003457982	0.009843529	0.000366833	0.000603357	0.000231619	0.215291366	4.28184E-06	0.000542547	0.000609408	0.001983296	0.000584708
2058 Aug	0.00129506	0.091240972	9.75749E-06	3.223206282	6.59139061	0.051350407	0.000944474	40.47438431	0.003462607	0.009855747	0.000367254	0.000604179	0.00023194	0.21559526	4.28702E-06	0.000543421	0.000610141	0.001985744	0.000585699
2058 Sep	0.001295081	0.091262624	9.75965E-06	3.224577904	6.590995312	0.051358569	0.000944651	40.45484161	0.003462533	0.009855878	0.000367275	0.000604185	0.000231956	0.215646788	4.28562E-06	0.000543781	0.000610176	0.001985551	0.00058593
2058 Oct	0.001294956	0.091289297	9.76014E-06	3.225347519	6.58942461	0.051364005	0.000944619	40.42612076	0.003461853	0.009855595	0.00036734	0.000604076	0.000231924	0.215660796	4.28367E-06	0.000544003	0.000610217	0.001985222	0.000585873
2058 Nov	0.001295053	0.091299862	9.76102E-06	3.2257092	6.589804649	0.051368825	0.000944697	40.42630005	0.00346207	0.009856406	0.000367378	0.000604115	0.00023194	0.215680659	4.28382E-06	0.000544075	0.000610271	0.001985352	0.000585915
2058 Dec	0.001295062	0.091300562	9.76109E-06	3.225731134	6.589848518	0.05136916	0.000944704	40.42655945	0.003462093	0.009856484	0.00036738	0.000604118	0.000231941	0.215682119	4.28385E-06	0.000544078	0.000610275	0.001985366	0.000585918
2059 Jan	0.001295063	0.091300711	9.7611E-06	3.225732088	6.589850903	0.051369216	0.000944704	40.42655563	0.003462094	0.009856492	0.00036738	0.000604118	0.000231941	0.215682209	4.28385E-06	0.000544078	0.000610276	0.001985366	0.000585918
2059 Feb	0.001295066	0.091301002	9.76112E-06	3.225738287	6.589863777	0.051369376	0.000944706	40.4266243	0.0034621	0.009856514	0.000367381	0.000604119	0.000231942	0.215682656	4.28385E-06	0.000544079	0.000610278	0.00198537	0.000585919
2059 Mar	0.001295067	0.091301158	9.76113E-06	3.225741625	6.58987093	0.051369466	0.000944706	40.42665482	0.003462103	0.009856524	0.000367382	0.00060412	0.000231942	0.215682894	4.28386E-06	0.000544079	0.000610279	0.001985372	0.00058592
2059 Apr	0.001295192	0.091310032	9.76207E-06	3.226053476	6.590508461	0.051374454	0.000944798	40.43056107	0.003462438	0.009857478	0.000367417	0.000604178	0.000231964	0.215703771	4.28427E-06	0.000544132	0.000610338	0.001985564	0.000585976
2059 May	0.00129577	0.09142191	9.76694E-06	3.228336811	6.592503548	0.051428892	0.000945077	40.42024612	0.003463445	0.009862531	0.000367915	0.000604356	0.000232049	0.215834081	4.2844E-06	0.000544529	0.00061095	0.001986359	0.000586051

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Jun	0.001295514	0.091772899	9.76953E-06	3.232605696	6.586472988	0.051583353	0.000944217	40.26310349	0.003460139	0.009863971	0.000369522	0.000603831	0.000231923	0.215989947	4.27408E-06	0.000545366	0.000612626	0.001985637	0.000585213
2059 Jul	0.001298167	0.091966994	9.79052E-06	3.23965621	6.59991312	0.051691897	0.000946184	40.34066772	0.003467256	0.009884179	0.00037028	0.000605096	0.000232407	0.216448739	4.28247E-06	0.000546597	0.000613915	0.001989741	0.000586523
2059 Aug	0.001300407	0.092122197	9.80792E-06	3.245590925	6.611436844	0.051781204	0.000947886	40.40917587	0.003473333	0.009900863	0.00037089	0.000606167	0.000232821	0.216836959	4.28966E-06	0.000547639	0.000614947	0.001993103	0.00058767
2059 Sep	0.001301011	0.092159078	9.81354E-06	3.247728586	6.614597797	0.051803876	0.000948471	40.42393112	0.003475032	0.009904984	0.000370988	0.000606475	0.000232946	0.216962919	4.29115E-06	0.000548078	0.000615169	0.001993847	0.000588188
2059 Oct	0.00129969	0.092158042	9.80691E-06	3.246879101	6.605164051	0.051775172	0.000947648	40.31761169	0.003470347	0.009896814	0.000370837	0.000605641	0.000232665	0.216817439	4.28263E-06	0.000548142	0.000614745	0.00199123	0.000587534
2059 Nov	0.001299666	0.09217523	9.80726E-06	3.247188568	6.604459286	0.051778506	0.000947637	40.30443954	0.003470027	0.009897123	0.000370881	0.000605577	0.000232648	0.216823146	4.28181E-06	0.000548222	0.000614776	0.001991099	0.000587469
2059 Dec	0.001299674	0.092175893	9.80732E-06	3.247207403	6.604491234	0.051778793	0.000947642	40.3045845	0.003470045	0.009897188	0.000370883	0.00060558	0.000232649	0.216824353	4.28183E-06	0.000548225	0.000614779	0.00199111	0.000587471
2060 Jan	0.001299681	0.092176534	9.80737E-06	3.247224569	6.604519844	0.051779106	0.000947647	40.30470657	0.003470059	0.009897241	0.000370885	0.000605583	0.00023265	0.216825426	4.28185E-06	0.000548228	0.000614783	0.001991119	0.000587473
2060 Feb	0.001299687	0.09217713	9.80742E-06	3.247240782	6.604553223	0.051779438	0.000947651	40.30489731	0.003470076	0.009897294	0.000370887	0.000605585	0.000232651	0.216826558	4.28187E-06	0.00054823	0.000614787	0.001991129	0.000587476
2060 Mar	0.001299709	0.092178747	9.80758E-06	3.247295618	6.604664326	0.051780343	0.000947667	40.30556488	0.003470134	0.00989746	0.000370894	0.000605596	0.000232655	0.216830224	4.28194E-06	0.00054824	0.000614797	0.001991163	0.000587486
2060 Apr	0.001299886	0.092191346	9.80892E-06	3.247737885	6.605564594	0.051787417	0.000947796	40.31105042	0.003470607	0.00989881	0.000370944	0.000605678	0.000232686	0.216859788	4.28252E-06	0.000548314	0.000614881	0.001991434	0.000587566
2060 May	0.001300344	0.09243156	9.81362E-06	3.250889301	6.604805946	0.051893406	0.000947686	40.24233246	0.003469983	0.009904504	0.000372005	0.000605531	0.000232689	0.217015475	4.27875E-06	0.000548841	0.000616027	0.001991665	0.00058716
2060 Jun	0.001298965	0.092885472	9.80898E-06	3.252311468	6.590317726	0.052076586	0.00094538	39.99221802	0.003461572	0.009899698	0.000373995	0.000604	0.000232248	0.216989234	4.26062E-06	0.000549	0.000617955	0.001988606	0.000585266
2060 Jul	0.001301489	0.093088947	9.82941E-06	3.259233475	6.60284996	0.052187756	0.000947214	40.05862808	0.003468191	0.00991915	0.000374787	0.000605179	0.000232703	0.217434406	4.26811E-06	0.000550209	0.00061927	0.001992493	0.000586498
2060 Aug	0.001302653	0.093180127	9.84027E-06	3.263268948	6.608657837	0.052239656	0.000948223	40.08226013	0.003471327	0.009927415	0.000375092	0.00060574	0.000232935	0.217673272	4.27088E-06	0.000550998	0.000619792	0.001994048	0.00058733
2060 Sep	0.001301374	0.093206756	9.83621E-06	3.262275457	6.599118233	0.052223526	0.000947282	39.97301483	0.003466517	0.009919723	0.000375011	0.000604835	0.000232653	0.21752803	4.26236E-06	0.000550938	0.000619439	0.00199159	0.000586661
2060 Oct	0.001301034	0.093233533	9.8356E-06	3.2623806	6.59575367	0.052221	0.000947056	39.92853546	0.003464858	0.009918386	0.00037502	0.000604509	0.000232555	0.217496082	4.25915E-06	0.000551021	0.000619358	0.001990747	0.000586405
2060 Nov	0.001300885	0.093240336	9.8351E-06	3.262356043	6.594386578	0.052218277	0.000946962	39.91155243	0.003464189	0.009917723	0.000375013	0.000604378	0.000232515	0.217479721	4.25791E-06	0.000551043	0.000619308	0.001990396	0.000586289
2060 Dec	0.001300906	0.093242154	9.83526E-06	3.262411118	6.59447813	0.052219145	0.000946977	39.91196823	0.003464238	0.009917894	0.00037502	0.000604386	0.000232518	0.217483193	4.25797E-06	0.000551052	0.000619318	0.001990426	0.000586296
2061 Jan	0.001300908	0.093242615	9.83528E-06	3.262419224	6.594481468	0.052219324	0.000946978	39.91187668	0.003464239	0.009917917	0.000375021	0.000604386	0.000232518	0.21748361	4.25796E-06	0.000551053	0.00061932	0.001990427	0.000586296
2061 Feb	0.00130091	0.093242966	9.83529E-06	3.262425423	6.594489098	0.052219495	0.000946979	39.91187286	0.003464243	0.009917934	0.000375022	0.000604387	0.000232519	0.217483997	4.25797E-06	0.000551054	0.000619321	0.00199043	0.000586296
2061 Mar	0.001300923	0.093243919	9.83539E-06	3.262455463	6.594550133	0.052220024	0.000946988	39.91223145	0.003464275	0.009918027	0.000375026	0.000604392	0.000232521	0.217486039	4.258E-06	0.000551059	0.000619328	0.001990448	0.000586301
2061 Apr	0.001301093	0.09325619	9.83668E-06	3.262883186	6.595415115	0.052226894	0.000947112	39.91745758	0.003464729	0.009919328	0.000375075	0.000604472	0.000232551	0.21751456	4.25856E-06	0.000551132	0.000619409	0.001990709	0.000586378
2061 May	0.001301463	0.093500614	9.84037E-06	3.265913486	6.594130993	0.052336302	0.000946932	39.8421402	0.00346377	0.009924037	0.000376183	0.000604237	0.000232537	0.21766226	4.25421E-06	0.000551624	0.000620531	0.00199064	0.000585878
2061 Jun	0.001298366	0.093853176	9.82309E-06	3.264682055	6.571005821	0.052470166	0.000943595	39.52088928	0.003450874	0.009904712	0.000377833	0.000601916	0.000231826	0.217421085	4.22901E-06	0.000551463	0.000621683	0.0019845	0.000583386
2061 Jul	0.001300664	0.094043218	9.84213E-06	3.271209717	6.582324028	0.052573271	0.000945278	39.57775497	0.003456874	0.009922368	0.000378562	0.000602989	0.000232243	0.217834681	4.23556E-06	0.000552622	0.000622887	0.001988005	0.000584552
2061 Aug	0.001302923	0.094202571	9.85978E-06	3.277269363	6.593897343	0.052664522	0.000946993	39.6452446	0.003462979	0.009939177	0.000379187	0.000604066	0.00023266	0.218228966	4.2427E-06	0.000553692	0.000623936	0.001991377	0.000585718
2061 Sep	0.001303492	0.094236113	9.86504E-06	3.279349327	6.59700489	0.052686989	0.000947554	39.66014099	0.003464648	0.009942887	0.000379286	0.000604374	0.000232784	0.218351737	4.24414E-06	0.000554121	0.000624152	0.001992091	0.00058623
2061 Oct	0.00130212	0.094199911	9.85717E-06	3.277995348	6.588263035	0.052649699	0.000946739	39.57025146	0.003460242	0.009933267	0.000379032	0.000603594	0.000232519	0.218191236	4.23644E-06	0.00055408	0.000623605	0.001989411	0.000585692
2061 Nov	0.001301786	0.094208278	9.85546E-06	3.277925491	6.585621357	0.052644867	0.000946532	39.5378952	0.003458939	0.009931354	0.00037903	0.000603354	0.000232441	0.21815832	4.23397E-06	0.00055413	0.000623514	0.001988684	0.000585475
2061 Dec	0.0013018	0.094209626	9.85558E-06	3.277965546	6.585681438	0.052645486	0.000946542	39.53811264	0.003458971	0.009931473	0.000379035	0.000603359	0.000232444	0.218160763	4.234E-06	0.000554137	0.000623521	0.001988704	0.000585479
2062 Jan	0.001301805	0.094210312	9.85562E-06	3.277982235	6.585699081	0.052645802	0.000946545	39.53809357	0.003458981	0.009931517	0.000379038	0.000603361	0.000232444	0.218161717	4.23401E-06	0.00055414	0.000623525	0.001988709	0.00058548
2062 Feb	0.001301812	0.09421093	9.85566E-06	3.277998924	6.585731506	0.052646141	0.000946549	39.53826141	0.003458997	0.009931567	0.00037904	0.000603363	0.000232445	0.21816285	4.23403E-06	0.000554142	0.000623528	0.001988719	0.000585483
2062 Mar	0.001301862	0.094214655	9.85605E-06	3.278125525	6.585986137	0.052648216	0.000946586	39.53977585	0.00345913	0.009931953	0.000379055	0.000603387	0.000232454	0.218171313	4.23419E-06	0.000554164	0.000623553	0.001988796	0.000585505
2062 Apr	0.001302043	0.094227776	9.85741E-06	3.278580427	6.586900234	0.052655548	0.000946717	39.54526138	0.00345961	0.009933331	0.000379108	0.00060347	0.000232486	0.218201593	4.23478E-06	0.00055424	0.00062364	0.001989071	0.000585586
2062 May	0.001302546	0.094264179	9.86122E-06	3.27984643	6.589443684	0.052675888	0.000947083	39.5605278	0.003460946	0.009937166	0.000379254	0.000603703	0.000232576	0.218285859	4.23641E-06	0.000554455	0.000623881	0.00198984	0.000585812
2062 Jun	0.001299441	0.094305672	9.85529E-06	3.27666831	6.565824509	0.052596241	0.000944406	39.31128693	0.003450234	0.009925704	0.000378894	0.000602067	0.000231877	0.21785979	4.2192E-06	0.000554195	0.000623535	0.001987361	0.000583749
2062 Jul	0.001298115	0.094356626	9.85771E-06	3.276218414	6.554512024	0.052562382	0.00094322	39.18170929	0.003445399	0.009922981	0.0003787	0.000601399	0.000231566	0.217695802	4.2108E-06	0.000554315	0.000623525	0.001986879	0.000582985
2062 Aug	0.001298359	0.094400331	9.86446E-06	3.278182268	6.554370403	0.052569401	0.000943488	39.16059494	0.003445726	0.009926104	0.000378869	0.000601487	0.000231603	0.217770547	4.21004E-06	0.000554778	0.000623602	0.001987371	0.000583295
2062 Sep	0.00129758	0.094374552	9.86354E-06	3.27773428	6.548510551	0.052531354	0.000943075	39.10004425	0.003443124	0.009922212	0.000378363	0.00060105	0.000231441	0.217673361	4.20554E-06	0.000554857	0.000623176	0.001986241	0.000583049
2062 Oct	0.001293386	0.094156161	9.84293E-06	3.270217896	6.520568848	0.052325591	0.000940377	38.86389923	0.003429701	0.009897626	0.000376813	0.000598659	0.000230547	0.216999933	4.18628E-06	0.000553945	0.000620867	0.001979599	0.000580939
2062 Nov	0.001293372	0.094161078	9.84347E-06	3.270263433	6.519931316	0.052321166	0.000940378	38.8559227	0.003429441	0.009898167	0.00037678	0.0005986	0.000230528	0.216993392	4.18587E-06	0.000553966	0.000620827	0.00197954	0.000580879
2062 Dec	0.001293388	0.094162285	9.84359E-06	3.270302057	6.520008087	0.052321777	0.00094039	38.85636902	0.003429481	0.009898297	0.000376784	0.000598607	0.000230531	0.216995955	4.18592E-06	0.000553972	0.000620834	0.001979564	0.000580885
2063 Jan	0.001293392	0.094162725	9.84363E-06	3.270312786	6.520029545	0.052321989	0.000940392	38.85647964	0.003429492	0.009898335	0.000376786	0.000598609	0.000230531	0.216996685	4.18593E-06	0.000553974	0.000620837	0.001979571	0.000580887
2063 Feb	0.001293398	0.094163276	9.84367E-06	3.270327568	6.520059586	0.052322291	0.000940397	38.85664368	0.003429507	0.009898382	0.000376788	0.000598611	0.000230532	0.216997713	4.18595E-06	0.000553976	0.00062084	0.001979579	0.000580889
2063 Mar	0.00129341	0.0941642	9.84376E-06	3.27035737	6.520119667	0.052322805	0.000940405	38.85699081	0.003429538	0.009898473	0.000376791	0.000598617	0.000230534	0.21699971	4.18599E-06	0.000553981	0.000620846	0.001979597	0.000580894
2063 Apr	0.001293508	0.09417136	9.84451E-06	3.27060461	6.520612717	0.052326784	0.000940476	38.85992432	0.003429797	0.009899222	0.00037682	0.000598662	0.000230552	0.217016131	4.18631E-06	0.000554023	0.000620893	0.001979747	0.000580938
2063 May	0.001293664	0.094263658	9.8473E-06	3.271241426	6.519599915	0.052357733	0.000940345	38.83120728	0.003429197	0.009902301	0.000377128	0.000598516	0.00023052	0.217043564	4.18484E-06	0.00055408	0.000621264	0.001979876	0.000580699
2063 Jun	0.001286482	0.094533861	9.81367E-06	3.254846811	6.467475891	0.052319989	0.00093243	38.31650543	0.003401053	0.009866399	0.00037753	0.000593385	0.000228707	0.215845987	4.144E-06	0.000550697	0.000621125	0.001969283	0.000575014
2063 Jul	0.001285824	0.09457621	9.81512E-06	3.254247665	6.46224308	0.052317463	0.000931723	38.2563591	0.003398513	0.009864371	0.000377491	0.000593009	0.000228552	0.215763271	4.13958E-06	0.000550623	0.000621233	0.001968835	0.000574788
2063 Aug	0.00128798	0.094730854	9.83226E-06	3.260073662	6.473167896	0.052404512	0.000933359	38.31879044	0.003404291	0.009880528	0.000378084	0.000594026	0.000228948	0.216139972	4.14628E-06	0.000551653	0.000622332	0.001972048	0.000575901
2063 Sep	0.001288377	0.094757453	9.83681E-06	3.261676073	6.475060463	0.052418757	0.000933775	38.32453918	0.003405357	0.009883337	0.000378124	0.000594213	0.00022903	0.216228396	4.14703E-06	0.00055199	0.00062235	0.001972512	0.000576284
2063 Oct	0.001287681	0.094737634	9.83393E-06	3.260791302	6.470357895	0.052393761	0.000933319	38.27897644	0.003403071	0.009879218	0.000377934	0.000593819	0.000228886	0.216133416	4.14332E-06	0.000551919	0.000622062	0.001971386	0.000575992
2063 Nov	0.001287679	0.094742507	9.83427E-06	3.260900259	6.470129967	0.05239391	0.000933322	38.27488708	0.003402981	0.009879426	0.000377935	0.000593802	0.000228881	0.216135204	4.14309E-06	0.000551947	0.000622066	0.001971372	0.000575984
2063 Dec	0.001287708	0.094744697	9.8345E-06	3.260972261	6.470272064	0.052395049	0.000933343	38.27571869	0.003403056	0.009879657	0.000377943	0.000593815	0.000228886	0.216139972	4.14318E-06	0.000551959	0.00062208	0.001971416	0.000575996
2064 Jan	0.001287713	0.094745152	9.83454E-06	3.260983706	6.470294476	0.05239528	0.000933346	38.27583694	0.003403067	0.009879697	0.000377944	0.000593817	0.000228887	0.216140762	4.14319E-06	0.000551961	0.000622083	0.001971423	0.000575998
2064 Feb	0.001287722	0.094745941	9.83461E-06	3.261006117	6.470340252	0.052395713	0.000933352	38.27609253	0.003403091	0.009879767	0.000377947	0.00059382	0.000228888	0.216142297	4.14322E-06	0.000551965	0.000622088	0.001971437	0.000576002
2064 Mar	0.00128778	0.094750263	9.83505E-06	3.261152983	6.470631123	0.052398104	0.000933394	38.27780533	0.003403243	0.009880213	0.000377964	0.000593847	0.000228899	0.216152042	4.14341E-06	0.000551989	0.000622116	0.001971525	0.000576028
2064 Apr	0.001287885	0.094758049	9.83585E-06	3.261419535	6.471160889	0.052402411	0.00093347	38.28092957	0.003403522	0.009881021	0.000377995	0.000593896	0.000228917	0.216169715	4.14375E-06	0.000552034	0.000622167	0.001971686	0.000576075
2064 May	0.001287866	0.094909541	9.83716E-06	3.262913465	6.468921661	0.052467149	0.000933113	38.2207756	0.003402233	0.009882597	0.000378679	0.000593665	0.000228864	0.216227934	4.13998E-06	0.000552282	0.000622881	0.001971508	0.000575647
2064 Jun	0.001284125	0.095254965	9.81688E-06	3.260009527	6.44224453	0.05258901	0.00092902	37.87437057	0.003387619	0.009860208	0.00038031	0.000591147	0.00022803	0.215873703	4.11283E-06	0.000551792	0.000624111	0.001965311	0.00057274
2064 Jul	0.001285617	0.095393889	9.83054E-06	3.264610529	6.449249268	0.052660141	0.000930091	37.90270996	0.003391395	0.009871969	0.000380807	0.000591839	0.000228298	0.216153443	4.11654E-06	0.000552633	0.000624943	0.001967627	0.000573557
2064 Aug	0.001286377	0.0954815	9.83864E-06	3.267588139	6.452412128	0.052702244	0.000930667	37.90480423	0.003393161	0.009877792	0.000381095	0.000592162	0.000228437	0.216318294	4.11756E-06	0.000553222	0.000625368	0.001968627	0.000574064
2064 Sep	0.001285605	0.095496871	9.83656E-06	3.267483234	6.446579456	0.052691493	0.000930164	37.83409882	0.003390332	0.009873025	0.00038104	0.000591652	0.000228276	0.216246992	4.11212E-06	0.000553332	0.000625135	0.001967133	0.000573734
2064 Oct	0.00128572	0.095526077	9.83827E-06	3.268284082	6.446446896	0.05270024	0.000930271	37.82224274	0.003390343	0.009874416	0.000381118	0.000591644	0.000228283	0.216279939	4.11157E-06	0.00055351	0.000625217	0.001967178	0.000573749
2064 Nov	0.001285886	0.095538482	9.83955E-06	3.268704176	6.447274208	0.052707002	0.000930391	37.82708359	0.003390778	0.0098757	0.000381167	0.00059172	0.000228312	0.216307744	4.1121E-06	0.000553581	0.000625298	0.001967432	0.000573822
2064 Dec	0.001285903	0.095539726	9.83968E-06	3.268744707	6.44735384	0.052707646	0.000930402	37.82754517	0.00339082	0.009875831	0.000381172	0.000591727	0.000228315	0.216310427	4.11215E-06	0.000553588	0.000625306	0.001967457	0.000573829
2065 Jan	0.001285906	0.095540009	9.8397E-06	3.26875186	6.447367668	0.052707788	0.000930404	37.82761383	0.003390827	0.009875855	0.000381173	0.000591728	0.000228316	0.216310903	4.11216E-06	0.000553589	0.000625307	0.001967461	0.00057383
2065 Feb	0.001285915	0.095540754	9.83977E-06	3.268774271	6.447412968	0.052708194	0.000930411	37.82786942	0.00339085	0.009875925	0.000381175	0.000591732	0.000228317	0.216312423	4.11219E-06	0.000553592	0.000625312	0.001967474	0.000573834
2065 Mar	0.001285979	0.095545545	9.84026E-06	3.268937111	6.447733879	0.052710842	0.000930457	37.82975006	0.003391019	0.009876418	0.000381194	0.000591761	0.000228328	0.216323197	4.11239E-06	0.00055362	0.000625343	0.001967572	0.000573862
2065 Apr	0.001286165	0.095559366	9.84168E-06	3.269408941	6.448664665	0.052718461	0.000930591	37.83520508	0.003391508	0.009877843	0.00038125	0.000591847	0.000228361	0.21635443	4.11298E-06	0.0005537	0.000625434	0.001967856	0.000573945
2065 May	0.001286693	0.095704354	9.84588E-06	3.272472858	6.449998379	0.052790195	0.000930845	37.80487442	0.003392177	0.009882259	0.000381946	0.000591963	0.000228439	0.216513827	4.11172E-06	0.000554283	0.000626171	0.001968342	0.000573929
2065 Jun	0.001284395	0.096015327	9.83363E-06	3.2735137 94	6.432570934	0.052917175	0.000928387	37.54037857	0.003382793	0.009867843	0.000383508	0.000590377	0.000227946	0.216410667	4.09164E-06	0.000554649	0.000627353	0.001964081	0.000572063
2065 Jul	0.00128664	0.096218675	9.85288E-06	3.280281782	6.443368435	0.053025063	0.000930016	37.58739471	0.003388575	0.009885433	0.000384292	0.000591428	0.000228352	0.216828793	4.09757E-06	0.00055587	0.000628626	0.001967584	0.00057319
2065 Aug	0.001288661	0.09636274	9.86934E-06	3.286023855	6.453694344	0.053107712	0.000931602	37.64439774	0.003394051	0.009900334	0.000384835	0.000592398	0.000228733	0.21719408	4.10366E-06	0.000556912	0.000629553	0.001970546	0.000574326
2065 Sep	0.001287647	0.096324347	9.86477E-06	3.285778046	6.447419167	0.053076796	0.00093117	37.57514191	0.00339102	0.009892689	0.000384565	0.000591882	0.000228563	0.217104584	4.09768E-06	0.000557099	0.000629062	0.001968498	0.000574171
2065 Oct	0.001285377	0.096273951	9.85208E-06	3.284019947	6.431404114	0.053002346	0.000929911	37.40433502	0.003383271	0.009878424	0.000384125	0.000590479	0.000228085	0.216834381	4.08411E-06	0.000557182	0.000628034	0.001963998	0.000572966
2065 Nov	0.00128521	0.096278712	9.85148E-06	3.284116983	6.42964077	0.052995015	0.000929852	37.38204575	0.003382463	0.00987788	0.000384089	0.000590319	0.000228035	0.216816559	4.08257E-06	0.000557253	0.000627931	0.001963547	0.000572815
2065 Dec	0.001285219	0.096279502	9.85156E-06	3.284140825	6.429679394	0.052995358	0.000929859	37.38221359	0.003382484	0.00987796	0.000384091	0.000590322	0.000228036	0.216818035	4.0826E-06	0.000557258	0.000627935	0.00196356	0.000572818
2066 Jan	0.001285226	0.096280232	9.85161E-06	3.284161329	6.429703712	0.052995682	0.000929864	37.38224411	0.003382498	0.009878015	0.000384094	0.000590324	0.000228037	0.216819242	4.08261E-06	0.000557261	0.000627939	0.001963568	0.00057282
2066 Feb	0.001285247	0.096281931	9.85177E-06	3.284214735	6.429807186	0.052996609	0.000929878	37.38282013	0.003382551	0.009878176	0.0003841	0.000590334	0.000228041	0.216822773	4.08267E-06	0.00055727	0.000627949	0.001963599	0.000572829
2066 Mar	0.001285345	0.096289314	9.85252E-06	3.284464121	6.430295944	0.053000674	0.000929949	37.38565063	0.003382808	0.009878928	0.000384129	0.000590378	0.000228058	0.216839269	4.08298E-06	0.000557312	0.000627997	0.001963748	0.000572872

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Apr	0.001285472	0.096298896	9.85349E-06	3.284789324	6.430932999	0.053005945	0.000930041	37.38934708	0.003383143	0.009879907	0.000384168	0.000590437	0.00022808	0.216860741	4.08338E-06	0.000557368	0.00062806	0.001963942	0.000572928
2066 May	0.001285979	0.096347213	9.85745E-06	3.286168098	6.433283806	0.053030845	0.000930385	37.39974213	0.003384367	0.009883935	0.000384362	0.000590646	0.000228165	0.216949224	4.08472E-06	0.0005576	0.000628348	0.001964682	0.000573121
2066 Jun	0.001282043	0.096468441	9.84198E-06	3.281184673	6.403877735	0.052987896	0.000926786	37.07927704	0.003369699	0.009865165	0.000384438	0.000588134	0.000227241	0.21641691	4.06072E-06	0.000556919	0.000628088	0.001959255	0.000570299
2066 Jul	0.001283987	0.096662566	9.86162E-06	3.287303448	6.412161827	0.053075589	0.000928152	37.10535431	0.00337439	0.009882224	0.000385051	0.000589015	0.000227568	0.216773614	4.06529E-06	0.000558045	0.000629226	0.001962625	0.000571256
2066 Aug	0.001286041	0.096811041	9.87831E-06	3.293091536	6.422577381	0.053159609	0.000929743	37.16264725	0.003379915	0.00989745	0.000385611	0.000589993	0.000227951	0.21714206	4.07146E-06	0.000559092	0.000630173	0.001965641	0.000572386
2066 Sep	0.001286292	0.096830502	9.882E-06	3.294697046	6.423589706	0.053168308	0.000930103	37.15867233	0.00338058	0.00989926	0.00038561	0.000590127	0.00022801	0.21721825	4.07137E-06	0.000559476	0.000630235	0.001965853	0.000572748
2066 Oct	0.001285592	0.096803054	9.87937E-06	3.294262886	6.41853857	0.05313541	0.000929767	37.10646057	0.003378273	0.009895345	0.000385358	0.000589734	0.000227865	0.217132926	4.06733E-06	0.000559553	0.000629854	0.001964646	0.000572474
2066 Nov	0.001285417	0.096798308	9.87884E-06	3.294312	6.417146683	0.053127035	0.000929704	37.09033966	0.00337767	0.009894473	0.000385299	0.000589633	0.000227828	0.217115909	4.06616E-06	0.000559616	0.000629757	0.001964333	0.000572398
2066 Dec	0.001285448	0.096800633	9.87907E-06	3.294387817	6.417294025	0.053128246	0.000929726	37.09117889	0.003377748	0.009894715	0.000385308	0.000589646	0.000227833	0.217120931	4.06626E-06	0.000559629	0.000629771	0.001964379	0.000572411
2067 Jan	0.001285455	0.096801318	9.87914E-06	3.294406652	6.417330742	0.053128596	0.000929731	37.09137726	0.003377767	0.009894778	0.00038531	0.000589649	0.000227834	0.217122197	4.06628E-06	0.000559632	0.000629775	0.001964391	0.000572414
2067 Feb	0.001285473	0.096802764	9.87927E-06	3.294451475	6.417418957	0.05312939	0.000929744	37.09186935	0.003377812	0.009894914	0.000385316	0.000589657	0.000227837	0.217125177	4.06633E-06	0.000559639	0.000629784	0.001964417	0.000572421
2067 Mar	0.001285521	0.096806452	9.87964E-06	3.294574261	6.417658806	0.053131409	0.000929778	37.09324646	0.003377938	0.009895283	0.00038533	0.000589679	0.000227846	0.217133299	4.06648E-06	0.00055966	0.000629808	0.00196449	0.000572442
2067 Apr	0.001285625	0.096814305	9.88043E-06	3.294840336	6.418177128	0.053135723	0.000929853	37.096241	0.003378211	0.009896084	0.000385362	0.000589727	0.000227864	0.217150852	4.06681E-06	0.000559705	0.000629859	0.001964649	0.000572489
2067 May	0.001286207	0.096940175	9.88619E-06	3.297087908	6.419550419	0.053189419	0.000930087	37.0778656	0.00337894	0.009902053	0.00038586	0.000589844	0.000227927	0.217273131	4.06658E-06	0.000560086	0.000630493	0.001965486	0.00057248
2067 Jun	0.001284463	0.097176418	9.88077E-06	3.296397924	6.404451847	0.053254265	0.000928017	36.8724823	0.003371015	0.009895077	0.000386728	0.000588472	0.000227465	0.217107132	4.05169E-06	0.000559996	0.000631276	0.001962799	0.000570848
2067 Jul	0.001287029	0.097383395	9.90201E-06	3.303470612	6.41695261	0.053364001	0.000929883	36.93740845	0.00337768	0.009915119	0.000387506	0.000589659	0.000227922	0.217556924	4.05922E-06	0.00056124	0.000632581	0.001966774	0.000572091
2067 Aug	0.001288412	0.097489141	9.91435E-06	3.307778597	6.423679352	0.053420324	0.00093098	36.96884537	0.003381321	0.00992528	0.000387861	0.00059031	0.000228181	0.217817307	4.06286E-06	0.000562062	0.000633178	0.001968705	0.000572961
2067 Sep	0.001288857	0.09753231	9.91932E-06	3.309883118	6.425529957	0.053441189	0.000931441	36.967659	0.003382415	0.009928621	0.000387975	0.000590511	0.00022827	0.217926487	4.06325E-06	0.000562518	0.000633371	0.001969198	0.000573337
2067 Oct	0.001287761	0.097519301	9.9142E-06	3.30940032	6.417368412	0.053406082	0.000930832	36.87625504	0.003378553	0.009922135	0.000387772	0.000589827	0.000228034	0.217804804	4.05621E-06	0.000562657	0.000632894	0.001967061	0.000572777
2067 Nov	0.001287676	0.097527139	9.91419E-06	3.309598446	6.41628933	0.053403273	0.000930805	36.86094284	0.003378079	0.009922016	0.000387764	0.000589737	0.000228006	0.217799619	4.0552E-06	0.000562732	0.000632852	0.001966824	0.000572695
2067 Dec	0.001287711	0.097529858	9.91447E-06	3.309688807	6.416460037	0.053404689	0.000930831	36.86190033	0.003378169	0.009922296	0.000387774	0.000589752	0.000228012	0.21780552	4.05531E-06	0.000562747	0.000632869	0.001966877	0.00057271
2068 Jan	0.001287722	0.097530797	9.91455E-06	3.309715271	6.416512012	0.053405173	0.000930838	36.86218262	0.003378196	0.009922382	0.000387778	0.000589757	0.000228014	0.217807308	4.05534E-06	0.000562752	0.000632874	0.001966893	0.000572715
2068 Feb	0.001287737	0.097532004	9.91466E-06	3.309751272	6.416583061	0.053405836	0.000930848	36.86257172	0.003378232	0.009922492	0.000387782	0.000589763	0.000228016	0.217809722	4.05538E-06	0.000562757	0.000632882	0.001966914	0.00057272
2068 Mar	0.001287823	0.097538643	9.91532E-06	3.309973478	6.417014122	0.053409465	0.00093091	36.86503601	0.003378459	0.009923159	0.000387808	0.000589802	0.000228032	0.21782437	4.05565E-06	0.000562795	0.000632925	0.001967046	0.000572759
2068 Apr	0.001288167	0.097564675	9.91797E-06	3.31085515	6.41872406	0.053423721	0.000931158	36.87485123	0.003379359	0.009925804	0.000387912	0.000589959	0.000228092	0.217882425	4.05673E-06	0.000562945	0.000633094	0.00196757	0.000572911
2068 May	0.001288632	0.097709887	9.92234E-06	3.312916994	6.4192729	0.053487282	0.000931226	36.84468842	0.00337952	0.009930719	0.000388526	0.000589958	0.000228125	0.217993587	4.05546E-06	0.000563273	0.000633792	0.001968028	0.00057277
2068 Jun	0.001283819	0.098042682	9.89574E-06	3.306595564	6.384839535	0.053572141	0.000926045	36.4373436	0.003360666	0.009902487	0.00038992	0.000586605	0.000227001	0.217414349	4.02305E-06	0.0005621	0.000634587	0.001959824	0.000569061
2068 Jul	0.001285004	0.098195493	9.90857E-06	3.310637951	6.389407158	0.053639684	0.00092677	36.44052505	0.003363244	0.009913165	0.000390428	0.000587097	0.000227191	0.217643887	4.025E-06	0.000562837	0.000635428	0.001961856	0.000569614
2068 Aug	0.001287382	0.098377816	9.92769E-06	3.317115068	6.40118742	0.053739071	0.000928537	36.50442123	0.003369486	0.009931308	0.000391125	0.000588193	0.000227619	0.218059674	4.03214E-06	0.000563976	0.000636575	0.001965416	0.000570782
2068 Sep	0.001287575	0.098397739	9.93093E-06	3.31854558	6.401812077	0.053747211	0.000928838	36.49707794	0.003369915	0.009932672	0.000391123	0.000588276	0.000227663	0.218125239	4.03172E-06	0.000564322	0.000636617	0.001965479	0.000571103
2068 Oct	0.001287666	0.098419227	9.93251E-06	3.319205999	6.401679516	0.053752538	0.000928936	36.48746872	0.003369921	0.009933854	0.000391162	0.000588273	0.000227668	0.21815145	4.03126E-06	0.000564475	0.000636671	0.001965519	0.000571143
2068 Nov	0.001287816	0.098431736	9.93371E-06	3.319610119	6.402370453	0.053758778	0.000929045	36.49081802	0.00337029	0.009935057	0.000391208	0.000588336	0.000227693	0.218176961	4.03167E-06	0.000564546	0.000636745	0.00196574	0.000571205
2068 Dec	0.001287844	0.098433912	9.93393E-06	3.319680691	6.402506351	0.05375991	0.000929065	36.49158096	0.003370362	0.009935278	0.000391216	0.000588348	0.000227698	0.21818161	4.03176E-06	0.000564558	0.000636759	0.001965783	0.000571217
2069 Jan	0.00128785	0.098434448	9.93398E-06	3.319695473	6.402535439	0.05376019	0.000929069	36.49173737	0.003370376	0.009935328	0.000391218	0.000588351	0.000227699	0.218182608	4.03178E-06	0.00056456	0.000636762	0.001965791	0.000571219
2069 Feb	0.001287859	0.098435231	9.93405E-06	3.319718361	6.402580261	0.053760611	0.000929075	36.49197769	0.003370399	0.009935397	0.000391221	0.000588355	0.0002277	0.218184143	4.0318E-06	0.000564564	0.000636767	0.001965805	0.000571223
2069 Mar	0.001287865	0.098435715	9.93409E-06	3.319733143	6.402608395	0.053760879	0.000929079	36.49213409	0.003370414	0.009935442	0.000391223	0.000588357	0.000227701	0.218185112	4.03182E-06	0.000564566	0.00063677	0.001965813	0.000571225
2069 Apr	0.001287951	0.098442286	9.93475E-06	3.31995368	6.40303421	0.053764466	0.000929141	36.49455643	0.003370638	0.009936103	0.000391249	0.000588396	0.000227717	0.218199626	4.03209E-06	0.000564603	0.000636812	0.001965944	0.000571263
2069 May	0.001288773	0.098511241	9.94117E-06	3.322122574	6.407051086	0.053801551	0.000929718	36.515728	0.00337274	0.009942494	0.000391525	0.000588763	0.00022786	0.218341216	4.03452E-06	0.000564971	0.000637248	0.001967188	0.000571617
2069 Jun	0.001286127	0.098663993	9.93612E-06	3.319702148	6.386089802	0.053793032	0.000926976	36.27403259	0.003362754	0.009932896	0.000391807	0.000587203	0.000227232	0.218004808	4.01769E-06	0.000564686	0.00063757	0.001964895	0.000569605
2069 Jul	0.001287405	0.098813653	9.95093E-06	3.324234962	6.391081333	0.053856514	0.000927834	36.27980042	0.003365755	0.009944975	0.000392259	0.000587808	0.000227446	0.218254089	4.02016E-06	0.000565546	0.000638446	0.001967402	0.000570258
2069 Aug	0.001288794	0.098915175	9.96331E-06	3.328647137	6.398041725	0.053913478	0.000928985	36.31325912	0.00336952	0.009955099	0.000392606	0.000588486	0.000227715	0.218521386	4.02393E-06	0.00056639	0.000639057	0.001969381	0.000571163
2069 Sep	0.001287539	0.098858677	9.95889E-06	3.327532053	6.38971138	0.053858373	0.000928308	36.23209381	0.003365675	0.009947469	0.000392156	0.000587848	0.000227475	0.218364492	4.01741E-06	0.000566418	0.000638417	0.001967432	0.000570776
2069 Oct	0.001285147	0.098752514	9.94792E-06	3.32345295	6.372951031	0.053740907	0.000926747	36.08433151	0.003357694	0.009934513	0.000391295	0.000586425	0.000226942	0.217979074	4.00579E-06	0.000565952	0.000637139	0.001963675	0.000569464
2069 Nov	0.001284941	0.098751895	9.94772E-06	3.323092937	6.370694637	0.053725127	0.000926611	36.06179428	0.003356662	0.00993436	0.000391182	0.000586219	0.000226869	0.217935279	4.00432E-06	0.000565916	0.000636982	0.001963289	0.000569249
2069 Dec	0.001284958	0.098753229	9.94785E-06	3.323133945	6.370772362	0.053725768	0.000926623	36.0622139	0.003356703	0.009934498	0.000391187	0.000586226	0.000226872	0.217937946	4.00437E-06	0.000565923	0.00063699	0.001963314	0.000569256
2070 Jan	0.001284959	0.098753482	9.94786E-06	3.323136568	6.370772362	0.053725839	0.000926623	36.06216431	0.003356703	0.009934513	0.000391187	0.000586225	0.000226871	0.21793808	4.00437E-06	0.000565923	0.000636991	0.001963316	0.000569255
2070 Feb	0.00128496	0.098753721	9.94787E-06	3.323139191	6.370773315	0.053725939	0.000926623	36.0621376	0.003356703	0.009934522	0.000391188	0.000586225	0.000226871	0.217938244	4.00437E-06	0.000565923	0.000636992	0.001963316	0.000569255
2070 Mar	0.001284991	0.098756164	9.94811E-06	3.323218346	6.37092495	0.053727262	0.000926645	36.06296921	0.003356782	0.009934762	0.000391197	0.000586239	0.000226877	0.21794346	4.00447E-06	0.000565937	0.000637007	0.001963363	0.000569268
2070 Apr	0.001285176	0.098770484	9.94954E-06	3.323696852	6.371841908	0.053735062	0.000926778	36.06814194	0.003357265	0.009936189	0.000391253	0.000586323	0.000226909	0.217974856	4.00504E-06	0.000566018	0.0006371	0.001963644	0.00056935
2070 May	0.001285553	0.098880708	9.95398E-06	3.324790716	6.371982098	0.053776179	0.000926781	36.04714584	0.003357241	0.009940988	0.000391635	0.000586279	0.000226915	0.218036503	4.00434E-06	0.000566139	0.000637598	0.001964135	0.000569205
2070 Jun	0.001283483	0.099081226	9.94673E-06	3.320562124	6.354329586	0.053804044	0.000924162	35.8477478	0.0033476	0.009933257	0.00039214	0.000584474	0.000226306	0.217700407	3.98939E-06	0.000565189	0.000638008	0.001960809	0.000567187
2070 Jul	0.001285348	0.09924186	9.96317E-06	3.325905323	6.363173962	0.053886198	0.000925508	35.88939285	0.003352347	0.009948143	0.000392707	0.000585329	0.000226635	0.218033344	3.9945E-06	0.000566142	0.000638996	0.001963737	0.000568139
2070 Aug	0.001287007	0.099363327	9.97716E-06	3.330764294	6.371496201	0.053953841	0.00092681	35.9329834	0.003356788	0.009960366	0.000393144	0.000586118	0.000226946	0.218336925	3.99927E-06	0.00056704	0.00063974	0.001966125	0.000569113
2070 Sep	0.001286038	0.099351652	9.97392E-06	3.3296597	6.364164829	0.053919174	0.000926185	35.85705948	0.003353159	0.009955032	0.000392863	0.000585449	0.00022672	0.218203604	3.9932E-06	0.000566974	0.000639291	0.001964227	0.000568695
2070 Oct	0.001284865	0.099327095	9.96853E-06	3.327423096	6.355122089	0.053867944	0.000925335	35.77270889	0.003348638	0.00994915	0.000392496	0.000584583	0.00022642	0.218002766	3.98657E-06	0.000566664	0.000638688	0.00196199	0.000567935
2070 Nov	0.001284833	0.099331208	9.96868E-06	3.327417135	6.354596615	0.053865846	0.000925314	35.7661972	0.003348388	0.009949263	0.000392481	0.00058453	0.000226404	0.217996433	3.98614E-06	0.000566671	0.000638664	0.001961885	0.000567894
2070 Dec	0.00128484	0.099331826	9.96875E-06	3.327434778	6.354629517	0.053866118	0.000925319	35.76637268	0.003348406	0.009949328	0.000392483	0.000584533	0.000226405	0.217997596	3.98616E-06	0.000566674	0.000638668	0.001961896	0.000567897
2071 Jan	0.001284842	0.099332049	9.96876E-06	3.327438593	6.354637623	0.053866223	0.00092532	35.7664032	0.00334841	0.009949344	0.000392483	0.000584534	0.000226405	0.217997879	3.98617E-06	0.000566675	0.000638669	0.001961899	0.000567897
2071 Feb	0.001284843	0.099332236	9.96877E-06	3.327441216	6.354642868	0.053866327	0.000925321	35.76642227	0.003348412	0.009949354	0.000392484	0.000584534	0.000226405	0.217998087	3.98617E-06	0.000566675	0.00063867	0.0019619	0.000567897
2071 Mar	0.001284851	0.099332862	9.96882E-06	3.327459812	6.354679108	0.053866662	0.000925326	35.76662064	0.00334843	0.009949411	0.000392486	0.000584537	0.000226407	0.217999324	3.98619E-06	0.000566678	0.000638674	0.001961911	0.0005679
2071 Apr	0.001284932	0.099339128	9.96945E-06	3.327668667	6.355077744	0.053870063	0.000925384	35.76885986	0.003348641	0.009950036	0.000392511	0.000584574	0.000226421	0.218013003	3.98644E-06	0.000566714	0.000638714	0.001962034	0.000567936
2071 May	0.00128481	0.099442177	9.97008E-06	3.327522755	6.352238178	0.053902809	0.000924933	35.72288132	0.003346936	0.009951263	0.000392865	0.000584211	0.000226319	0.217992827	3.9834E-06	0.000566597	0.000639082	0.001961591	0.000567473
2071 Jun	0.001281408	0.099706404	9.95387E-06	3.319165468	6.325635433	0.053941369	0.000920622	35.44168091	0.00333195	0.009935646	0.000393615	0.000581379	0.000225365	0.217411309	3.96128E-06	0.000564687	0.000639594	0.001955985	0.000564292
2071 Jul	0.001282293	0.099827379	9.96402E-06	3.322050333	6.328971386	0.053994179	0.000921131	35.44338226	0.003333771	0.009943929	0.000393988	0.000581725	0.0002255	0.217578754	3.96262E-06	0.000565192	0.000640271	0.001957531	0.00056473
2071 Aug	0.001284104	0.099961683	9.97897E-06	3.327269077	6.338109493	0.054069802	0.000922545	35.49185562	0.003338624	0.009957405	0.00039449	0.000582585	0.000225838	0.217908263	3.96792E-06	0.000566142	0.00064112	0.001960181	0.00056574
2071 Sep	0.001283481	0.099949829	9.97761E-06	3.326568842	6.333692074	0.054048695	0.000922156	35.44690704	0.003336415	0.009953644	0.000394278	0.000582178	0.000225705	0.217827097	3.96418E-06	0.000566091	0.000640824	0.001959003	0.000565587
2071 Oct	0.001282788	0.099936612	9.97465E-06	3.325235128	6.328666687	0.054022904	0.000921632	35.4005127	0.003333857	0.009949899	0.00039408	0.000581699	0.000225538	0.217713103	3.96039E-06	0.000565893	0.00064052	0.001957756	0.000565208
2071 Nov	0.00128256	0.099948093	9.97427E-06	3.324604273	6.326137066	0.054012038	0.000921399	35.37527466	0.003332587	0.009949747	0.000394015	0.000581435	0.00022545	0.217658922	3.95869E-06	0.00056577	0.000640415	0.001957298	0.000564922
2071 Dec	0.001282559	0.099949941	9.97434E-06	3.324587584	6.326025963	0.054011788	0.000921391	35.37394333	0.003332532	0.009949852	0.000394014	0.000581422	0.000225446	0.217657089	3.95862E-06	0.000565766	0.000640414	0.001957288	0.000564906
2072 Jan	0.001282563	0.0999505	9.97438E-06	3.324596643	6.326039314	0.054012012	0.000921393	35.37395859	0.003332539	0.009949891	0.000394016	0.000581422	0.000225446	0.2176577	3.95862E-06	0.000565767	0.000640417	0.001957293	0.000564906
2072 Feb	0.001282566	0.099951006	9.9744E-06	3.324605465	6.326054096	0.054012261	0.000921395	35.37400055	0.003332546	0.009949923	0.000394017	0.000581423	0.000225447	0.217658296	3.95863E-06	0.000565768	0.000640419	0.001957298	0.000564907
2072 Mar	0.001282575	0.099951752	9.97447E-06	3.324626446	6.326094627	0.054012656	0.000921401	35.37421417	0.003332566	0.009949988	0.00039402	0.000581427	0.000225448	0.217659712	3.95866E-06	0.000565772	0.000640424	0.00195731	0.00056491
2072 Apr	0.001282715	0.099962741	9.97556E-06	3.324990511	6.326787472	0.054018602	0.000921501	35.37807846	0.003332931	0.009951077	0.000394063	0.000581491	0.000225473	0.217683554	3.95909E-06	0.000565833	0.000640495	0.001957524	0.000564972
2072 May	0.001283433	0.100018747	9.98114E-06	3.326851368	6.330327034	0.05404887	0.000922017	35.39785385	0.003334795	0.009956643	0.000394284	0.000581816	0.000225599	0.217805386	3.9613E-06	0.00056615	0.000640853	0.001958619	0.000565288
2072 Jun	0.001281451	0.100042649	9.98006E-06	3.322195768	6.313944817	0.053972088	0.000919926	35.2495041	0.003327091	0.00995228	0.000393766	0.00058053	0.000225058	0.217413664	3.95138E-06	0.000565278	0.000640499	0.001957381	0.00056372
2072 Jul	0.001281909	0.10013108	9.98979E-06	3.323998451	6.31397438	0.053988956	0.000920102	35.22884369	0.003327519	0.009959179	0.000393852	0.000580646	0.000225087	0.217487544	3.95125E-06	0.000565624	0.000640854	0.001958631	0.000563903
2072 Aug	0.001281336	0.100127444	9.99299E-06	3.323656797	6.308391571	0.053952314	0.000919738	35.17008591	0.003325134	0.009957775	0.00039349	0.000580205	0.000224936	0.217399448	3.94739E-06	0.000565656	0.000640432	0.001957929	0.000563711
2072 Sep	0.001280379	0.100086004	9.99189E-06	3.321959019	6.30099678	0.053896453	0.000919108	35.10513306	0.003321711	0.009953348	0.000393901	0.000579557	0.000224709	0.21723327	3.94259E-06	0.000565431	0.000639785	0.00195652	0.000563256
2072 Oct	0.001278504	0.099977471	9.98361E-06	3.317575216	6.288009167	0.053790316	0.000917819	35.00497818	0.003315372	0.009943071	0.00039215	0.000578359	0.000224274	0.216885462	3.93443E-06	0.00056475	0.000638583	0.001953487	0.000562231
2072 Nov	0.001278293	0.09996742	9.983E-06	3.317056656	6.286267281	0.053775933	0.000917673	34.99063492	0.003314537	0.009942241	0.000392033	0.000578194	0.000224216	0.216841727	3.93336E-06	0.000564669	0.000638424	0.001953121	0.000562086
2072 Dec	0.0012783	0.099968098	9.98306E-06	3.317073107	6.286288261	0.053776126	0.000917678	34.99068069	0.00331455	0.009942313	0.000392034	0.000578195	0.000224217	0.216842666	3.93338E-06	0.000564672	0.000638426	0.001953131	0.000562087
2073 Jan	0.001278303	0.099968433	9.98309E-06	3.31707859	6.28629303	0.053776223	0.000917679	34.99066162	0.003314553	0.009942339	0.000392035	0.000578195	0.000224217	0.216842994	3.93338E-06	0.000564672	0.000638428	0.001953134	0.000562087

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Feb	0.001278307	0.09996891	9.98312E-06	3.317089796	6.286314011	0.053776469	0.000917682	34.99075699	0.003314563	0.009942375	0.000392036	0.000578197	0.000224217	0.216843754	3.93339E-06	0.000564674	0.00063843	0.001953141	0.000562088
2073 Mar	0.001278326	0.099970423	9.98327E-06	3.31713748	6.286405087	0.053777281	0.000917695	34.99125671	0.003314611	0.009942519	0.000392042	0.000578205	0.000224221	0.216846898	3.93345E-06	0.000564682	0.00063844	0.001953169	0.000562096
2073 Apr	0.001278637	0.099994786	9.9857E-06	3.317945004	6.287935734	0.053790387	0.000917918	34.9997673	0.003315418	0.00994494	0.000392138	0.000578346	0.000224275	0.216899693	3.93441E-06	0.000564819	0.000638596	0.001953644	0.000562233
2073 May	0.001278587	0.100116991	9.98735E-06	3.318640471	6.284928799	0.053829409	0.000917579	34.94252396	0.003313805	0.009947045	0.000392581	0.000577997	0.000224185	0.216911137	3.93099E-06	0.000564897	0.00063901	0.001953304	0.00056171
2073 Jun	0.001276302	0.10031683	9.97745E-06	3.315368176	6.266354561	0.053865872	0.000914991	34.7219429	0.003303836	0.009936273	0.00039324	0.000576132	0.000223576	0.216602966	3.91447E-06	0.000564221	0.000639355	0.001949379	0.000559573
2073 Jul	0.001277609	0.100434549	9.98978E-06	3.319775105	6.272644043	0.053928602	0.000916017	34.74541092	0.003307237	0.009946194	0.000393646	0.000576763	0.000223824	0.216864541	3.91749E-06	0.000565066	0.00064006	0.00195131	0.000560425
2073 Aug	0.001279186	0.1005513	1.00032E-05	3.324459314	6.280549049	0.053993661	0.000917262	34.7859993	0.003311458	0.009957807	0.000394065	0.000577515	0.000224121	0.217155859	3.92196E-06	0.000565936	0.000640775	0.001953574	0.000561365
2073 Sep	0.001279038	0.10055729	1.00042E-05	3.325145006	6.279175758	0.053991184	0.000917297	34.76280594	0.003310851	0.009956763	0.000393997	0.000577407	0.00022408	0.217167169	3.92013E-06	0.000566155	0.000640674	0.001953084	0.000561496
2073 Oct	0.001277822	0.1005245	9.99795E-06	3.323169947	6.270539761	0.053944696	0.000916471	34.68114471	0.003306534	0.009949536	0.000393674	0.000576596	0.0022382	0.21698156	3.9135E-06	0.000565917	0.000640076	0.001950769	0.000560813
2073 Nov	0.001277624	0.100521766	9.99708E-06	3.322896004	6.268937588	0.053936277	0.000916344	34.66488266	0.003305746	0.009948538	0.000393616	0.000576443	0.000223769	0.216950953	3.91225E-06	0.000565893	0.000639967	0.001950352	0.000560685
2073 Dec	0.001277652	0.100524016	9.99731E-06	3.322967529	6.269071579	0.053937424	0.000916364	34.6656189	0.003305817	0.009948764	0.000393624	0.000576455	0.000223774	0.216955632	3.91233E-06	0.000565905	0.000639981	0.001950395	0.000560697
2074 Jan	0.001277657	0.10052447	9.99734E-06	3.322978258	6.269092083	0.05393764	0.000916367	34.66571426	0.003305828	0.009948802	0.000393626	0.000576457	0.000223774	0.216956347	3.91234E-06	0.000565906	0.000639983	0.001950401	0.000560699
2074 Feb	0.001277659	0.100524783	9.99736E-06	3.322984219	6.269104481	0.053937808	0.000916369	34.66576385	0.003305833	0.009948823	0.000393627	0.000576458	0.000223775	0.216956794	3.91235E-06	0.000565907	0.000639985	0.001950404	0.000560699
2074 Mar	0.001277686	0.100526936	9.99757E-06	3.323053122	6.269233227	0.053938959	0.000916387	34.66646576	0.003305901	0.009949028	0.000393635	0.00057647	0.000223779	0.21696128	3.91243E-06	0.000565919	0.000639999	0.001950444	0.000560711
2074 Apr	0.001277943	0.100547187	9.99958E-06	3.32372117	6.270494461	0.053949825	0.000916572	34.67343521	0.003306565	0.00995103	0.000393714	0.000576586	0.000223824	0.21700491	3.91322E-06	0.000566033	0.000640128	0.001950836	0.000560823
2074 May	0.001278071	0.100789905	1.00009E-05	3.32606411	6.267818928	0.054056723	0.000916141	34.5870018	0.003304783	0.00995391	0.000394835	0.000576199	0.000223756	0.217110693	3.90775E-06	0.00056639	0.000641207	0.001950293	0.00056016
2074 Jun	0.00127487	0.101108141	9.97939E-06	3.323255301	6.245181561	0.054182809	0.000912606	34.28796768	0.00329181	0.009932585	0.000396455	0.000573837	0.000223027	0.216812834	3.88354E-06	0.000565853	0.000642253	0.001943826	0.000557563
2074 Jul	0.001276855	0.101281486	9.99646E-06	3.329146624	6.254817486	0.054275475	0.000914064	34.33209229	0.003296934	0.009947942	0.000397103	0.000574761	0.000223387	0.217179626	3.88884E-06	0.000566916	0.000643333	0.001946847	0.000558618
2074 Aug	0.001279201	0.101462476	1.00153E-05	3.335631609	6.266484261	0.054374963	0.000915822	34.39448929	0.003303107	0.009965778	0.000397798	0.000575849	0.000223812	0.217594564	3.8958E-06	0.000568064	0.00064448	0.001950345	0.000559795
2074 Sep	0.001278843	0.101451293	1.00145E-05	3.336075783	6.264228821	0.054366145	0.000915773	34.36406326	0.00330201	0.00996269	0.000397675	0.000575661	0.000223761	0.217584804	3.89306E-06	0.000568278	0.000644277	0.001949395	0.000559915
2074 Oct	0.001278363	0.101462618	1.00119E-05	3.336129665	6.26044035	0.054359511	0.000915518	34.31600189	0.003300125	0.009959736	0.000397665	0.00057531	0.000223653	0.217544138	3.88931E-06	0.000568395	0.000644126	0.001948224	0.000559653
2074 Nov	0.001278373	0.101471551	1.00121E-05	3.336449623	6.260265827	0.054362617	0.000915552	34.30988693	0.003300062	0.009959886	0.000397698	0.000575297	0.000223652	0.217555746	3.88893E-06	0.000568476	0.000644147	0.001948157	0.00055965
2074 Dec	0.001278397	0.101473875	1.00123E-05	3.336528301	6.260372162	0.054363787	0.000915571	34.31020355	0.003300121	0.009960077	0.000397708	0.000575307	0.000223656	0.217560366	3.88898E-06	0.000568491	0.00064416	0.00194819	0.00055966
2075 Jan	0.001278402	0.101474524	1.00124E-05	3.336546898	6.260394573	0.054364108	0.000915575	34.31022263	0.003300132	0.00996012	0.00039771	0.000575309	0.000223657	0.217561454	3.88899E-06	0.000568494	0.000644164	0.001948196	0.000559661
2075 Feb	0.001278411	0.101475403	1.00124E-05	3.336572886	6.260437012	0.054364577	0.000915581	34.3103981	0.003300155	0.009960189	0.000397714	0.000575313	0.000223659	0.217563093	3.88901E-06	0.000568499	0.000644169	0.001948209	0.000559665
2075 Mar	0.00127846	0.101479292	1.00128E-05	3.336698294	6.260672569	0.054366659	0.000915616	34.31167603	0.003300278	0.009960564	0.000397729	0.000575334	0.000223667	0.217571303	3.88916E-06	0.00056852	0.000644193	0.001948282	0.000559685
2075 Apr	0.00127869	0.101497605	1.00146E-05	3.337299347	6.261800289	0.054376472	0.00091578	34.31785583	0.003300873	0.009962359	0.0003978	0.000575438	0.000223707	0.217610508	3.88986E-06	0.000568622	0.00064431	0.001948633	0.000559786
2075 May	0.001279342	0.1015817	1.00194E-05	3.339667082	6.264641762	0.054420859	0.000916237	34.32035065	0.003302362	0.00996738	0.000398188	0.000575698	0.00022382	0.217749372	3.89085E-06	0.000569061	0.000644789	0.00194947	0.000559995
2075 Jun	0.001276518	0.10157647	1.00097E-05	3.339984655	6.245460033	0.054362215	0.00091451	34.0943222	0.00329418	0.009952774	0.000398054	0.000574618	0.00022326	0.217507139	3.87486E-06	0.000569742	0.000644456	0.001946876	0.000558562
2075 Jul	0.001276626	0.101654813	1.0017E-05	3.343069792	6.244087219	0.054381669	0.000914623	34.04560471	0.003294233	0.009956554	0.000398228	0.000574782	0.00022335	0.21760954	3.87267E-06	0.00057051	0.000644859	0.001947855	0.000558737
2075 Aug	0.001277934	0.101752758	1.00286E-05	3.347254992	6.250619888	0.054436252	0.0009157	34.07630157	0.003297768	0.009966129	0.000398566	0.000575421	0.000223604	0.217862383	3.87616E-06	0.000571313	0.000645449	0.001949725	0.000559585
2075 Sep	0.001278485	0.101793706	1.00341E-05	3.349385023	6.253311157	0.054458782	0.000916226	34.08532715	0.00329928	0.009970158	0.000398686	0.000575704	0.000223716	0.217982024	3.87734E-06	0.000571756	0.000645686	0.001950476	0.000560023
2075 Oct	0.001278129	0.101780385	1.00333E-05	3.349353075	6.250583172	0.054440033	0.000916076	34.05574036	0.003298116	0.009968474	0.00039854	0.000575518	0.000223643	0.217942476	3.8752E-06	0.00057185	0.00064549	0.001949955	0.000559896
2075 Nov	0.001278211	0.101789147	1.00342E-05	3.349658728	6.250797749	0.054442454	0.000916146	34.05486679	0.003298267	0.009969326	0.000398557	0.000575544	0.000223653	0.217957452	3.87529E-06	0.000571913	0.000645524	0.001950076	0.000559925
2075 Dec	0.001278232	0.101790987	1.00344E-05	3.349715233	6.250888824	0.05444327	0.000916162	34.05527878	0.003298316	0.009969509	0.000398563	0.000575553	0.000223657	0.217960924	3.87535E-06	0.000571923	0.000645534	0.001950108	0.000559933
2076 Jan	0.001278237	0.101791523	1.00345E-05	3.349727631	6.250907898	0.054443501	0.000916164	34.05532837	0.003298326	0.009969551	0.000398565	0.000575554	0.000223657	0.217961714	3.87536E-06	0.000571925	0.000645537	0.001950115	0.000559934
2076 Feb	0.001278254	0.101793051	1.00346E-05	3.34977293	6.250990868	0.054444317	0.000916176	34.05575562	0.00329837	0.009969686	0.00039857	0.000575562	0.00022366	0.217964679	3.87541E-06	0.000571932	0.000645546	0.001950141	0.000559941
2076 Mar	0.0012783	0.101796776	1.0035E-05	3.349892616	6.251214504	0.054446306	0.000916209	34.05696106	0.003298487	0.009970044	0.000398585	0.000575582	0.000223668	0.217972502	3.87555E-06	0.000571952	0.00064557	0.00195021	0.000559961
2076 Apr	0.001278434	0.101807483	1.0036E-05	3.350243092	6.251869202	0.054452032	0.000916305	34.06052399	0.003298832	0.009971088	0.000398627	0.000575642	0.000223692	0.217995331	3.87595E-06	0.000572012	0.000645638	0.001950414	0.000560019
2076 May	0.001278862	0.101927929	1.00408E-05	3.351854324	6.252453804	0.05450172	0.000916345	34.03913498	0.00329912	0.009976142	0.000399103	0.000575687	0.000223722	0.218082786	3.87539E-06	0.000572247	0.000646252	0.001951159	0.000559904
2076 Jun	0.001275499	0.102171354	1.00264E-05	3.346016169	6.227737427	0.054549057	0.000912328	33.763237	0.003285867	0.009960034	0.000399976	0.000573406	0.000222898	0.217607081	3.85435E-06	0.000571011	0.000647023	0.001946911	0.000557085
2076 Jul	0.001276406	0.102280736	1.00366E-05	3.349337339	6.231626987	0.054601334	0.00091295	33.76895905	0.003288038	0.009967814	0.00040033	0.000573837	0.00022061	0.217795908	3.8559E-06	0.000571641	0.000647671	0.001948485	0.000557664
2076 Aug	0.001278314	0.102426596	1.00525E-05	3.354832411	6.241099834	0.054681588	0.00091442	33.81783676	0.003293078	0.009982163	0.000400869	0.000574728	0.000223412	0.218141511	3.86138E-06	0.000572637	0.000648575	0.001951279	0.000558704
2076 Sep	0.001278891	0.102469541	1.0058E-05	3.356873989	6.243962765	0.054705605	0.000914946	33.82925034	0.003294628	0.009986338	0.000400996	0.000575008	0.000223527	0.218260825	3.8627E-06	0.000573048	0.000648824	0.00195203	0.000559146
2076 Oct	0.001277861	0.102431782	1.00527E-05	3.355075121	6.23724699	0.054666478	0.000914228	33.76966476	0.00329127	0.009979995	0.000400704	0.000574412	0.00022331	0.218104139	3.85766E-06	0.000572815	0.000648369	0.001950318	0.000558669
2076 Nov	0.001277721	0.102432452	1.00523E-05	3.35488081	6.236091614	0.054661464	0.000914122	33.75771713	0.003290707	0.009979405	0.000400671	0.000574309	0.000223273	0.218082339	3.85677E-06	0.000572795	0.000648316	0.001950076	0.000558575
2076 Dec	0.001277745	0.102434471	1.00525E-05	3.354942322	6.236201763	0.054662455	0.000914139	33.75826645	0.003290765	0.0099796	0.000400679	0.000574319	0.000223277	0.218086287	3.85684E-06	0.000572805	0.000648328	0.001950112	0.000558584
2077 Jan	0.001277748	0.102434926	1.00525E-05	3.354951382	6.2362113	0.054662641	0.00091414	33.758255	0.00329077	0.00997963	0.00040068	0.000574319	0.000223277	0.218086824	3.85684E-06	0.000572807	0.00064833	0.001950117	0.000558585
2077 Feb	0.001277754	0.102435537	1.00526E-05	3.354967117	6.236241341	0.054662965	0.000914144	33.75839996	0.003290785	0.009979679	0.000400682	0.000574322	0.000223278	0.218087882	3.85686E-06	0.000572809	0.000648334	0.001950126	0.000558587
2077 Mar	0.001277772	0.10243696	1.00527E-05	3.355011463	6.236324787	0.054663725	0.000914156	33.75884247	0.003290829	0.009979811	0.000400688	0.000574329	0.000223281	0.218090788	3.85691E-06	0.000572817	0.000648343	0.001950152	0.000558594
2077 Apr	0.001277934	0.102450013	1.0054E-05	3.3554377 56	6.237116814	0.054670691	0.000914272	33.76313019	0.003291247	0.00998108	0.000400739	0.000574402	0.000223309	0.218118519	3.8574E-06	0.000572889	0.000648425	0.001950399	0.000558665
2077 May	0.001278191	0.102562942	1.0057E-05	3.356393337	6.236958027	0.054718211	0.000914147	33.73853302	0.003291	0.009984502	0.000401198	0.000574334	0.000223306	0.218173414	3.85623E-06	0.000572981	0.000648981	0.001950734	0.000558472
2077 Jun	0.001275036	0.102795988	1.00409E-05	3.350386143	6.214363098	0.054775883	0.00091034 3	33.4872551	0.003278395	0.009967655	0.000402109	0.000572087	0.000222531	0.21772401	3.83625E-06	0.000571661	0.000649699	0.001946027	0.00055586
2077 Jul	0.001277022	0.102987722	1.00587E-05	3.355961561	6.223408222	0.054870069	0.00091167	33.52590561	0.003283251	0.009984228	0.0004028	0.000572962	0.000222866	0.218072399	3.8415E-06	0.000572619	0.000650871	0.001949294	0.000556733
2077 Aug	0.001279007	0.103140526	1.00752E-05	3.36172843	6.233300686	0.054954737	0.000913206	33.57649612	0.00328851	0.009999136	0.00040337	0.000573894	0.000223233	0.218434691	3.84718E-06	0.000573667	0.000651826	0.001952205	0.000557821
2077 Sep	0.001277499	0.103079379	1.00681E-05	3.359342575	6.223860264	0.054900464	0.000912222	33.4919281	0.003283775	0.009989064	0.000402925	0.000573043	0.000222936	0.218220964	3.83984E-06	0.000573377	0.000651121	0.001949626	0.000557265
2077 Oct	0.001277142	0.103087217	1.00673E-05	3.358846188	6.220621109	0.054887742	0.000911947	33.45724869	0.003282181	0.009987818	0.00040284	0.000572735	0.000222833	0.218163058	3.83731E-06	0.00057332	0.000650977	0.001948935	0.000556997
2077 Nov	0.00127726	0.103097506	1.00683E-05	3.359174252	6.221157074	0.054892767	0.000912033	33.45965195	0.003282467	0.00998878	0.000402876	0.000572785	0.000222853	0.218183503	3.83762E-06	0.000573378	0.000651036	0.001949108	0.000557048
2077 Dec	0.001277283	0.103099391	1.00685E-05	3.359233379	6.221265793	0.054893717	0.00091205	33.46022797	0.003282525	0.009988966	0.000402883	0.000572794	0.000222856	0.218187332	3.83769E-06	0.000573388	0.000651048	0.001949143	0.000557057
2078 Jan	0.001277291	0.103100121	1.00685E-05	3.359253645	6.221304417	0.05489409	0.000912055	33.46042633	0.003282544	0.009989033	0.000402885	0.000572798	0.000222858	0.218188688	3.83772E-06	0.000573391	0.000651052	0.001949155	0.000557061
2078 Feb	0.001277298	0.103100792	1.00686E-05	3.359272242	6.221338749	0.054894447	0.00091206	33.46059799	0.003282562	0.009989087	0.000402888	0.000572801	0.000222859	0.218189925	3.83774E-06	0.000573394	0.000651056	0.001949165	0.000557063
2078 Mar	0.001277311	0.103101879	1.00687E-05	3.35930562	6.221401691	0.054895025	0.000912069	33.46092987	0.003282595	0.009989189	0.000402892	0.000572806	0.000222861	0.218192115	3.83777E-06	0.0005734	0.000651063	0.001949184	0.000557069
2078 Apr	0.001277608	0.103125893	1.0071E-05	3.360086918	6.222848415	0.05490781	0.000912281	33.46870804	0.003283358	0.009991513	0.000402986	0.000572939	0.000222913	0.218242869	3.83867E-06	0.000573533	0.000651214	0.001949638	0.000557198
2078 May	0.001277397	0.103393003	1.00708E-05	3.360841036	6.21776247	0.05501825	0.000911283	33.3644104	0.003280122	0.009993252	0.000404176	0.00057228	0.000222743	0.218264237	3.83176E-06	0.00057348	0.000652411	0.001948834	0.000556148
2078 Jun	0.001275056	0.103645846	1.00566E-05	3.357353449	6.201023102	0.055114962	0.000908368	33.1545105	0.003270286	0.009978995	0.000405355	0.000570475	0.000222172	0.217993557	3.81466E-06	0.000572657	0.000653345	0.001944507	0.000554151
2078 Jul	0.001277343	0.103834644	1.00756E-05	3.363781929	6.212142944	0.055215407	0.000910039	33.21021271	0.003276189	0.009996699	0.000406063	0.000571523	0.000222581	0.218400419	3.82115E-06	0.000573797	0.000654516	0.001947967	0.000555294
2078 Aug	0.001278536	0.103925556	1.00866E-05	3.367703915	6.218039989	0.055265535	0.000911026	33.23641586	0.003279373	0.010005225	0.000406361	0.000572096	0.000222812	0.218634859	3.82413E-06	0.000574559	0.000655029	0.001949579	0.000556127
2078 Sep	0.001279103	0.103988104	1.00924E-05	3.369838953	6.220454693	0.055296645	0.000911487	33.23920441	0.003280676	0.010009586	0.000406565	0.000572318	0.000222914	0.21875608	3.82494E-06	0.000574972	0.000655339	0.001950271	0.000556488
2078 Oct	0.001278866	0.103999421	1.00914E-05	3.3701334	6.218612194	0.055297576	0.000911379	33.21249008	0.003279752	0.010007882	0.000406585	0.000572151	0.000222867	0.218748242	3.8228E-06	0.000575096	0.000655287	0.001949631	0.000556425
2078 Nov	0.001278899	0.104010537	1.00919E-05	3.370393038	6.218547344	0.055301521	0.000911406	33.20804977	0.00327973	0.010008262	0.000406622	0.000572143	0.000222868	0.218759239	3.82256E-06	0.000575152	0.000655322	0.001949619	0.000556425
2078 Dec	0.001278915	0.104011878	1.0092E-05	3.370433807	6.218622208	0.055302173	0.000911417	33.20844269	0.003279769	0.010008395	0.000406626	0.00057215	0.000222871	0.218761876	3.82261E-06	0.000575159	0.00065533	0.001949643	0.000556431
2079 Jan	0.001278917	0.104012109	1.0092E-05	3.37043786	6.218629837	0.055302281	0.000911418	33.20846939	0.003279773	0.010008411	0.000406627	0.00057215	0.000222871	0.218762159	3.82261E-06	0.000575159	0.000655331	0.001949645	0.000556432
2079 Feb	0.001278918	0.104012288	1.0092E-05	3.370440006	6.218635082	0.055302378	0.000911418	33.20848465	0.003279775	0.01000842	0.000406627	0.00057215	0.000222871	0.218762353	3.82262E-06	0.00057516	0.000655332	0.001949647	0.000556432
2079 Mar	0.001278948	0.104014792	1.00923E-05	3.370518923	6.218780994	0.055303708	0.00091144	33.20925903	0.003279852	0.010008655	0.000406637	0.000572164	0.000222876	0.218767494	3.8227E-06	0.000575173	0.000655347	0.001949692	0.000556445
2079 Apr	0.001279118	0.104028605	1.00936E-05	3.3709657 19	6.219605446	0.055311054	0.00091156	33.21365738	0.003280826	0.010009983	0.000406691	0.000572239	0.000222906	0.218796507	3.82321E-06	0.000575249	0.000655435	0.00194995	0.000556518
2079 May	0.001279812	0.104095832	1.00991E-05	3.37285018	6.222851276	0.055345945	0.000912023	33.22812653	0.003281971	0.010015494	0.000406962	0.00057253	0.00022302 3	0.21891804	3.82505E-06	0.000575564	0.00065584	0.001950982	0.000556788
2079 Jun	0.001276225	0.104272075	1.00839E-05	3.367539883	6.197229385	0.055358287	0.000908176	32.94719696	0.003268802	0.009997481	0.000407557	0.000570329	0.000222202	0.218433395	3.80387E-06	0.000574594	0.000656228	0.00194669	0.000554039
2079 Jul	0.001276167	0.10434375	1.00895E-05	3.368766308	6.195199966	0.05537447	0.000907978	32.90690231	0.003268121	0.009999822	0.000407677	0.000570303	0.00022217	0.218460351	3.80171E-06	0.000574878	0.000656567	0.001947293	0.000554077
2079 Aug	0.001277932	0.10448622	1.01046E-05	3.373874664	6.203717709	0.055449549	0.000909302	32.94846344	0.00327268	0.010013347	0.00040819	0.00057111	0.000222488	0.218778417	3.8066E-06	0.000575804	0.000657418	0.001949899	0.000555014
2079 Sep	0.001277296	0.104459926	1.01033E-05	3.373451233	6.199302673	0.055420306	0.000908979	32.90382004	0.003270653	0.010009617	0.000407923	0.000570772	0.000222365	0.218702227	3.80303E-06	0.000575858	0.00065707	0.001948872	0.000554895
2079 Oct	0.001276603	0.104430296	1.01005E-05	3.372457266	6.19434309	0.055385686	0.000908554	32.85813904	0.003268321	0.010005902	0.00040766	0.00057036	0.000222211	0.218596309	3.79946E-06	0.000575777	0.000656687	0.001947755	0.000554558
2079 Nov	0.001276288	0.104418799	1.00993E-05	3.371929884	6.191831589	0.055367779	0.000908352	32.83498001	0.003267146	0.010004524	0.000407532	0.000570142	0.000222131	0.21854192	3.79776E-06	0.000575723	0.000656495	0.001947227	0.000554347

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2079 Dec	0.001276046	0.104410365	1.00982E-05	3.371432304	6.189833641	0.055353299	0.000908183	32.81719971	0.003266203	0.010003572	0.000407432	0.000569963	0.000222065	0.218495667	3.79648E-06	0.000575656	0.000656343	0.001946822	0.000554153
2080 Jan	0.001276046	0.104410693	1.00982E-05	3.37143302	6.189823627	0.055353347	0.000908182	32.81703186	0.003266199	0.010003586	0.000407432	0.000569961	0.000222065	0.218495607	3.79647E-06	0.000575656	0.000656344	0.001946821	0.000554151
2080 Feb	0.001276051	0.104411393	1.00983E-05	3.371447086	6.189846516	0.055353694	0.000908185	32.81710052	0.00326621	0.010003631	0.000407435	0.000569963	0.000222066	0.218496561	3.79648E-06	0.000575658	0.000656348	0.001946829	0.000554152
2080 Mar	0.001276056	0.104411915	1.00983E-05	3.371459484	6.189869881	0.055353969	0.000908188	32.81720352	0.003266221	0.010003669	0.000407436	0.000569965	0.000222067	0.218497381	3.7965E-06	0.00057566	0.000656351	0.001946835	0.000554154
2080 Apr	0.001276174	0.104421563	1.00992E-05	3.371768475	6.190437317	0.055359084	0.000908271	32.82020569	0.00326652	0.010004587	0.000407474	0.000570017	0.000222087	0.218517438	3.79684E-06	0.000575712	0.000656412	0.001947014	0.000554204
2080 May	0.001276914	0.104482889	1.01051E-05	3.373732805	6.194031715	0.055391677	0.000908797	32.83908463	0.003268412	0.010010383	0.000407714	0.000570348	0.000222216	0.218644768	3.79903E-06	0.000576047	0.000656797	0.00194814	0.000554529
2080 Jun	0.001274442	0.104407057	1.01009E-05	3.369006395	6.176009178	0.055267844	0.000906715	32.68630219	0.003260408	0.01000172	0.000406812	0.000569122	0.000221651	0.218206808	3.78852E-06	0.000575369	0.000655962	0.001946607	0.000553042
2080 Jul	0.001273886	0.104414992	1.01058E-05	3.368962049	6.1704216	0.055230722	0.000906246	32.62631226	0.003258315	0.010002274	0.000406477	0.000568875	0.00221508	0.218122974	3.78506E-06	0.000575498	0.000655812	0.001946863	0.000552871
2080 Aug	0.001274836	0.104494691	1.0116E-05	3.372205496	6.17449522	0.055265669	0.00090701	32.63939667	0.003260685	0.01001004	0.000406672	0.000569311	0.000221678	0.218304545	3.7872E-06	0.00057614	0.00065621	0.001948328	0.000553498
2080 Sep	0.001274329	0.104464054	1.01166E-05	3.371815681	6.170512676	0.055229645	0.000906773	32.60182571	0.003259018	0.010007832	0.000406336	0.000569029	0.00022157	0.218231082	3.78453E-06	0.00057618	0.000655813	0.001947694	0.000553395
2080 Oct	0.001273572	0.104414083	1.01141E-05	3.37045145	6.165055752	0.055179846	0.000906328	32.55710602	0.003256526	0.010004046	0.000405928	0.000568586	0.000221399	0.21809949	3.78108E-06	0.000576037	0.00065528	0.001946575	0.000553048
2080 Nov	0.001273094	0.104384996	1.01125E-05	3.369435787	6.161230564	0.055144966	0.000906028	32.52578354	0.003254783	0.010002125	0.00040566	0.000568259	0.000221275	0.218005359	3.77883E-06	0.000575908	0.000654917	0.001945847	0.000552725
2080 Dec	0.001273079	0.104384728	1.01125E-05	3.369402885	6.161030769	0.055143163	0.000906018	32.52389908	0.003254699	0.010002171	0.000405647	0.000568242	0.000221268	0.218001232	3.77873E-06	0.000575905	0.0006549	0.001945825	0.000552705
2081 Jan	0.001273085	0.104385369	1.01126E-05	3.369417667	6.161052704	0.055143423	0.000906022	32.52396393	0.00325471	0.010002225	0.000405648	0.000568244	0.000221269	0.218002155	3.77874E-06	0.000575907	0.000654903	0.001945833	0.000552706
2081 Feb	0.001273089	0.104385845	1.01126E-05	3.369426966	6.161068916	0.055143658	0.000906024	32.52402115	0.003254718	0.010002255	0.00040565	0.000568245	0.000221269	0.218002796	3.77875E-06	0.000575908	0.000654906	0.001945839	0.000552707
2081 Mar	0.001273105	0.104387194	1.01127E-05	3.369467735	6.161143303	0.05514437	0.000906035	32.52439117	0.003254757	0.010002377	0.000405655	0.000568251	0.000221272	0.218005449	3.7788E-06	0.000575915	0.000654914	0.001945862	0.000552713
2081 Apr	0.001273284	0.104402035	1.01142E-05	3.369942665	6.162011623	0.05515223	0.000906162	32.52894974	0.003255214	0.010003783	0.000405712	0.000568331	0.000221303	0.218036219	3.77932E-06	0.000575996	0.000655007	0.001946135	0.000552791
2081 May	0.001273143	0.104547031	1.01166E-05	3.369508266	6.157726765	0.055190254	0.000905466	32.46509933	0.003252854	0.010006877	0.000406157	0.000567842	0.00022115	0.217990682	3.7756E-06	0.000575764	0.000655518	0.001945967	0.000552042
2081 Jun	0.001271208	0.104645021	1.01084E-05	3.365222454	6.143332481	0.055190258	0.000903242	32.31800079	0.00324503	0.009997326	0.000406343	0.00056641	0.000220653	0.217673823	3.76398E-06	0.00057486	0.000655569	0.001943053	0.000550528
2081 Jul	0.001273697	0.104854286	1.0129E-05	3.372116566	6.155325413	0.055300303	0.000905035	32.37779236	0.003251397	0.010016886	0.000407133	0.000567537	0.000221091	0.218111828	3.77107E-06	0.000576067	0.000656873	0.001946869	0.000551703
2081 Aug	0.001276068	0.105043739	1.01484E-05	3.378768921	6.166977882	0.055402938	0.000906803	32.43759918	0.003257575	0.010035068	0.000407853	0.000568627	0.000221518	0.218534231	3.77791E-06	0.000577248	0.000658059	0.001950413	0.000552886
2081 Sep	0.001276449	0.105064273	1.01526E-05	3.380418539	6.169004917	0.055416569	0.000907241	32.44495773	0.003258693	0.010037446	0.000407878	0.000568831	0.000221606	0.21862565	3.77864E-06	0.000577608	0.000658162	0.001950813	0.000553326
2081 Oct	0.001276449	0.105061412	1.01533E-05	3.380752563	6.168918133	0.055414248	0.000907327	32.44126511	0.003258673	0.010037323	0.000407822	0.000568829	0.00022161	0.218637303	3.77826E-06	0.000577711	0.000658111	0.001950673	0.000553454
2081 Nov	0.001276084	0.105042987	1.01512E-05	3.380123615	6.166559219	0.055398092	0.000907107	32.42076111	0.003257486	0.010034933	0.000407693	0.000568609	0.000221533	0.2185819	3.77647E-06	0.000577638	0.000657906	0.001949976	0.000553302
2081 Dec	0.001276072	0.105045557	1.01512E-05	3.380124569	6.166338921	0.055397645	0.000907096	32.41788864	0.003257382	0.010035002	0.000407693	0.000568587	0.000221526	0.218579501	3.77629E-06	0.00057764	0.000657901	0.001949939	0.000553275
2082 Jan	0.001276075	0.105046116	1.01513E-05	3.380132198	6.166342258	0.05539785	0.000907097	32.41779709	0.003257384	0.010035031	0.000407695	0.000568587	0.000221526	0.218579918	3.77629E-06	0.000577641	0.000657903	0.001949941	0.000553275
2082 Feb	0.001276084	0.105047002	1.01513E-05	3.380153418	6.166380882	0.055398311	0.000907102	32.41796494	0.003257403	0.010035098	0.000407698	0.00056859	0.000221528	0.218581349	3.77631E-06	0.000577645	0.000657909	0.001949953	0.000553277
2082 Mar	0.00127611	0.105049297	1.01515E-05	3.380223274	6.166508198	0.055399518	0.000907121	32.41862106	0.00325747	0.010035305	0.000407707	0.000568602	0.000221532	0.218585908	3.77639E-06	0.000577656	0.000657923	0.001949993	0.000553289
2082 Apr	0.001276245	0.105060458	1.01526E-05	3.380580187	6.167160511	0.055405408	0.000907216	32.42203903	0.003257814	0.010036367	0.00040775	0.000568662	0.000221556	0.21860902	3.77679E-06	0.000577717	0.000657993	0.001950199	0.000553347
2082 May	0.001276897	0.105114155	1.01578E-05	3.382314444	6.170316696	0.055433799	0.000907681	32.438591	0.00325948	0.010041486	0.000407958	0.000568953	0.000221669	0.218721077	3.77871E-06	0.000578014	0.000658329	0.001951194	0.000553632
2082 Jun	0.001273048	0.105021417	1.0147E-05	3.377329588	6.143806934	0.055285115	0.000904701	32.19005585	0.003247796	0.010024591	0.000407044	0.000567244	0.000220882	0.218160182	3.76123E-06	0.000577545	0.000657333	0.001948378	0.000551427
2082 Jul	0.001271439	0.104997016	1.01473E-05	3.376004934	6.13189888	0.05521648	0.00090345	32.07162857	0.003242882	0.010019452	0.000406543	0.000566613	0.000220553	0.217939243	3.75343E-06	0.000577556	0.000656993	0.001947873	0.000550693
2082 Aug	0.001273169	0.105132028	1.01621E-05	3.381106853	6.140400887	0.055289738	0.000904794	32.11362839	0.003247426	0.010032524	0.000407028	0.000567417	0.000220871	0.218256459	3.75824E-06	0.00057849	0.000657812	0.001950398	0.00055166
2082 Sep	0.001273657	0.105168633	1.01675E-05	3.382964849	6.142598629	0.055307176	0.00090526	32.12000275	0.003248692	0.010036352	0.0004071	0.00056765	0.000220965	0.218358651	3.75922E-06	0.000578876	0.000657999	0.001951075	0.000552055
2082 Oct	0.001271714	0.105034694	1.01579E-05	3.378943205	6.130657673	0.055202737	0.000903998	32.03193283	0.003242989	0.010024562	0.000406265	0.000566675	0.000220577	0.218031794	3.75166E-06	0.000578328	0.000656895	0.001948379	0.000551234
2082 Nov	0.001271762	0.105040319	1.01586E-05	3.379106045	6.130700588	0.055203214	0.000904036	32.03068161	0.003243046	0.010025192	0.000406265	0.000566684	0.00022058	0.218038693	3.75169E-06	0.000578361	0.00065691	0.001948462	0.000551245
2082 Dec	0.001271788	0.105042472	1.01588E-05	3.379172087	6.130819798	0.05520428	0.000904054	32.03129959	0.003243109	0.0100254	0.000406273	0.000566694	0.000220584	0.218042955	3.75177E-06	0.000578372	0.000656923	0.001948501	0.000551256
2083 Jan	0.001271795	0.105043091	1.01589E-05	3.379188299	6.130849361	0.055204585	0.000904058	32.03144455	0.003243124	0.010025453	0.000406275	0.000566697	0.000220585	0.218044043	3.75179E-06	0.000578375	0.000656926	0.00194851	0.000551258
2083 Feb	0.001271811	0.105044581	1.0159E-05	3.379232407	6.130930424	0.055205375	0.00090407	32.03185272	0.003243166	0.010025586	0.000406281	0.000566704	0.000220588	0.218046919	3.75183E-06	0.000578382	0.000656935	0.001948536	0.000551265
2083 Mar	0.001271848	0.10504768	1.01593E-05	3.379330158	6.131108284	0.055207007	0.000904096	32.03277588	0.00324326	0.010025877	0.000406292	0.00056672	0.000220594	0.218053252	3.75194E-06	0.000578399	0.000656955	0.001948592	0.000551281
2083 Apr	0.001272038	0.105063334	1.01608E-05	3.379832745	6.132019997	0.05521524	0.00090423	32.03753662	0.003243743	0.010027369	0.000406353	0.000566805	0.000220627	0.218085691	3.7525E-06	0.000578485	0.000657053	0.001948881	0.000551363
2083 May	0.001272347	0.105206139	1.01648E-05	3.381902933	6.131459236	0.055273015	0.000904189	31.99533463	0.003243526	0.010031893	0.000406958	0.000566772	0.000220633	0.21818009	3.75059E-06	0.000578848	0.00065775	0.001949413	0.00055109
2083 Jun	0.001269139	0.105375804	1.01473E-05	3.377820969	6.109546661	0.055309761	0.000900876	31.74370575	0.003231901	0.01001331	0.000407733	0.000564805	0.000219931	0.217795894	3.73085E-06	0.000578143	0.000658216	0.001944806	0.000548724
2083 Jul	0.001270126	0.105492786	1.01581E-05	3.38152647	6.113759995	0.055365823	0.000901575	31.74906158	0.003234265	0.010021549	0.000408121	0.000565269	0.00022011	0.218004301	3.73246E-06	0.000578858	0.000658884	0.001946425	0.000549352
2083 Aug	0.001270909	0.105586432	1.01672E-05	3.384435177	6.116508484	0.055403512	0.000902106	31.74742317	0.003235895	0.010028074	0.00040838	0.000565562	0.000220235	0.21815984	3.73342E-06	0.000579431	0.000659269	0.001947499	0.000549826
2083 Sep	0.001270584	0.105585866	1.01671E-05	3.384728193	6.113791943	0.055391461	0.000901991	31.71295738	0.003234655	0.010026169	0.000408263	0.000565344	0.000220167	0.21813716	3.73075E-06	0.000579596	0.000659074	0.001946742	0.00054981
2083 Oct	0.001269104	0.105517372	1.01587E-05	3.382065058	6.103731632	0.055322912	0.000901025	31.62529755	0.0032297	0.010017009	0.000407776	0.000564428	0.00021984	0.217900082	3.72349E-06	0.000579274	0.000658231	0.00194402	0.000549018
2083 Nov	0.001268669	0.105495483	1.01562E-05	3.381276369	6.100651264	0.055300329	0.000900758	31.59840012	0.003228193	0.01001442	0.000407613	0.000564143	0.000219741	0.217828155	3.72129E-06	0.000579184	0.000657954	0.001943175	0.000548771
2083 Dec	0.001268684	0.105496913	1.01563E-05	3.3813169	6.100708008	0.055300914	0.000900769	31.59857941	0.003228225	0.010014552	0.000407618	0.000564148	0.000219743	0.217830583	3.72133E-06	0.000579191	0.000657961	0.001943196	0.000548775
2084 Jan	0.001268686	0.105497271	1.01563E-05	3.381323338	6.10071516	0.055301048	0.00090077	31.59856033	0.003228228	0.010014575	0.000407619	0.000564148	0.000219743	0.217830971	3.72133E-06	0.000579192	0.000657962	0.001943198	0.000548775
2084 Feb	0.001268693	0.105497956	1.01564E-05	3.381340504	6.100744724	0.055301402	0.000900774	31.59868622	0.003228243	0.010014628	0.000407621	0.000564151	0.000219744	0.217832088	3.72135E-06	0.000579195	0.000657966	0.001943207	0.000548778
2084 Mar	0.00126873	0.10550116	1.01567E-05	3.381440401	6.100925446	0.055303082	0.000900801	31.5996151	0.003228338	0.010014924	0.000407633	0.000564167	0.00021975	0.217838556	3.72146E-06	0.000579212	0.000657986	0.001943265	0.000548794
2084 Apr	0.001269017	0.10552498	1.0159E-05	3.382202148	6.102300644	0.055315569	0.000901004	31.60672951	0.003229066	0.010017183	0.000407725	0.000564294	0.0002198	0.217887655	3.72229E-06	0.000579342	0.000658135	0.001943703	0.000548917
2084 May	0.0012693	0.105734751	1.0162E-05	3.383484125	6.100535393	0.055399925	0.00090061	31.54681587	0.003227757	0.010021943	0.0004086	0.000563972	0.000219738	0.217954814	3.71889E-06	0.000579425	0.00065905	0.001943653	0.000548329
2084 Jun	0.001266334	0.105895527	1.01426E-05	3.377610683	6.08055687	0.055441096	0.000897301	31.33136749	0.00321627	0.010002897	0.000409315	0.000561847	0.000219041	0.217536747	3.70063E-06	0.000578195	0.000659333	0.001938201	0.000546096
2084 Jul	0.001267852	0.106041767	1.01564E-05	3.382312298	6.087635517	0.055516042	0.000898389	31.3584919	0.00322005	0.010014901	0.000409839	0.000562535	0.000219311	0.217823237	3.70425E-06	0.000579051	0.000660206	0.001940508	0.000546923
2084 Aug	0.001269292	0.106154151	1.01691E-05	3.386806726	6.094754696	0.055577938	0.000899545	31.39169884	0.003223868	0.010025551	0.000410233	0.000563217	0.000219583	0.218097568	3.70806E-06	0.000579897	0.000660878	0.001942554	0.000547812
2084 Sep	0.001269131	0.10615892	1.01697E-05	3.387281179	6.093463898	0.055576742	0.000899537	31.3712101	0.003223252	0.010024228	0.000410183	0.000563103	0.000219558	0.218102366	3.70637E-06	0.000580056	0.000660787	0.001942049	0.000547913
2084 Oct	0.001268303	0.106140226	1.01649E-05	3.38593936	6.087635517	0.055548452	0.00089897	31.31513977	0.003220274	0.010019061	0.000409998	0.000562535	0.000219369	0.217978582	3.70172E-06	0.000579892	0.000660395	0.001940351	0.000547444
2084 Nov	0.001268059	0.106136449	1.01635E-05	3.385533571	6.085743427	0.055539016	0.000898804	31.29652596	0.003219317	0.010017708	0.000409939	0.000562347	0.000219307	0.217939615	3.70024E-06	0.000579843	0.000660267	0.00193982	0.000547276
2084 Dec	0.001268081	0.106138311	1.01637E-05	3.385589838	6.085844517	0.055539925	0.000898819	31.29703522	0.003219371	0.010017888	0.000409945	0.000562356	0.00021931	0.217943236	3.70031E-06	0.000579852	0.000660278	0.001939853	0.000547285
2085 Jan	0.001268082	0.106138512	1.01637E-05	3.385592222	6.085849285	0.05554001	0.00089882	31.29704666	0.003219373	0.010017902	0.000409946	0.000562356	0.00021931	0.21794343	3.70031E-06	0.000579852	0.000660279	0.001939855	0.000547285
2085 Feb	0.001268089	0.106139198	1.01637E-05	3.385609865	6.085882664	0.055540372	0.000898824	31.29719925	0.00321939	0.010017956	0.000409948	0.000562359	0.000219312	0.217944622	3.70033E-06	0.000579855	0.000660283	0.001939865	0.000547287
2085 Mar	0.001268103	0.106140435	1.01638E-05	3.385647297	6.085949421	0.05554102	0.000898834	31.29753876	0.003219425	0.010018067	0.000409953	0.000562365	0.000219314	0.217947036	3.70037E-06	0.000579862	0.000660291	0.001939886	0.000547293
2085 Apr	0.001268255	0.10615316	1.01651E-05	3.386051893	6.086677551	0.055547681	0.000898941	31.30127907	0.00321981	0.010019265	0.000410002	0.000562432	0.00021934	0.217973083	3.70081E-06	0.000579931	0.00066037	0.001940118	0.000547359
2085 May	0.00126856	0.10632886	1.01677E-05	3.387485504	6.085929871	0.055624098	0.000898715	31.25597191	0.003219062	0.01002319	0.000410767	0.000562229	0.000219317	0.21805343	3.69823E-06	0.000580078	0.000661175	0.001940123	0.000546974
2085 Jun	0.001268007	0.106533468	1.01649E-05	3.387475014	6.080018997	0.055710252	0.000897633	31.15525055	0.003215327	0.010020892	0.000411681	0.000561496	0.000219119	0.218027949	3.69065E-06	0.000579951	0.000662024	0.001938573	0.000546132
2085 Jul	0.00127004	0.10670156	1.01822E-05	3.393401146	6.089867592	0.055799436	0.000899148	31.20255089	0.003220585	0.010036528	0.000412297	0.000562435	0.000219486	0.2183972	3.69623E-06	0.000581024	0.00066305	0.00194161	0.000547209
2085 Aug	0.001270504	0.106755055	1.01881E-05	3.395952225	6.091849327	0.055827752	0.000899636	31.19742393	0.003221717	0.01003936	0.000412446	0.000562641	0.000219589	0.218528286	3.69619E-06	0.000581584	0.000663253	0.001941962	0.000547735
2085 Sep	0.001269679	0.106751375	1.01839E-05	3.39554739	6.08595562	0.055810452	0.000899175	31.12966728	0.003218746	0.010033429	0.000412342	0.000562066	0.000219418	0.218444303	3.69066E-06	0.000581646	0.000662871	0.001940008	0.000547385
2085 Oct	0.001268912	0.10672313	1.01789E-05	3.394884825	6.08067131	0.055781689	0.000898811	31.0747261	0.003216126	0.01002798	0.000412151	0.000561562	0.000219259	0.21835193	3.68608E-06	0.00058167	0.000662414	0.001938203	0.000547025
2085 Nov	0.001268496	0.106704451	1.01761E-05	3.39439702	6.077804565	0.055763908	0.000898606	31.0465889	0.003214707	0.010025106	0.000412034	0.000561287	0.000219169	0.218296021	3.68374E-06	0.000581651	0.000662152	0.001937248	0.000546802
2085 Dec	0.001268505	0.106705472	1.01761E-05	3.394425869	6.077837944	0.055764299	0.000898613	31.04662323	0.003214726	0.010025193	0.000412038	0.00056129	0.000219171	0.21829766	3.68376E-06	0.000581657	0.000662156	0.00193726	0.000546805
2086 Jan	0.001268508	0.106705837	1.01761E-05	3.394432545	6.077842712	0.055764444	0.000898615	31.04657745	0.003214728	0.010025213	0.000412039	0.00056129	0.000219171	0.218298033	3.68376E-06	0.000581658	0.000662158	0.001937261	0.000546804
2086 Feb	0.001268511	0.106706269	1.01762E-05	3.394441366	6.077856064	0.055764664	0.000898616	31.04659843	0.003214734	0.010025239	0.00041204	0.000561291	0.000219171	0.218298599	3.68376E-06	0.000581659	0.00066216	0.001937265	0.000546805
2086 Mar	0.001268529	0.106707864	1.01763E-05	3.394489527	6.077942371	0.055765502	0.000898629	31.0470295	0.00321478	0.010025381	0.000412046	0.000561298	0.000219174	0.218301713	3.68381E-06	0.000581667	0.00066217	0.001937292	0.000546813
2086 Apr	0.001268736	0.10672532	1.0178E-05	3.395042896	6.078933716	0.055774622	0.000898775	31.05208969	0.003215304	0.010027017	0.000412113	0.00056139	0.00021921	0.218337342	3.68441E-06	0.000581762	0.000662278	0.001937608	0.000546902
2086 May	0.00126942	0.106820844	1.01833E-05	3.397162914	6.081617355	0.055820886	0.000899177	31.05370903	0.003216649	0.010032699	0.000412514	0.000561603	0.00021931	0.218466938	3.6854E-06	0.000582115	0.000662785	0.00193847	0.000547059
2086 Jun	0.001266811	0.107034735	1.01668E-05	3.393753052	6.062218666	0.055881366	0.000896318	30.81790924	0.003205892	0.010017377	0.000413482	0.000559608	0.00021867	0.218154103	3.66689E-06	0.000581444	0.000663278	0.001933519	0.000544741
2086 Jul	0.001268115	0.107188791	1.01807E-05	3.398413658	6.067664146	0.055953659	0.000897228	30.82559013	0.003208936	0.010028576	0.000413995	0.000560191	0.000218896	0.218419015	3.66914E-06	0.000582324	0.000664156	0.001935665	0.000545476
2086 Aug	0.001269326	0.107289411	1.01922E-05	3.402595758	6.073390007	0.056006402	0.000898233	30.84651375	0.003212083	0.01003751	0.000414319	0.000560758	0.000219127	0.218662307	3.67188E-06	0.000583145	0.0006647	0.001937319	0.000546297
2086 Sep	0.001268687	0.107273601	1.01908E-05	3.402524471	6.068685532	0.05598243	0.000897943	30.79356766	0.003209936	0.01003347	0.000414122	0.000560366	0.000219002	0.218599051	3.66783E-06	0.000583272	0.000664328	0.001936094	0.000546107

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2086 Oct	0.001268552	0.10727457	1.01908E-05	3.402822256	6.067280293	0.055975277	0.00089794	30.77437782	0.003209336	0.010032901	0.000414064	0.000560252	0.000218968	0.218592614	3.66648E-06	0.000583393	0.000664216	0.001935714	0.000546066
2086 Nov	0.001268673	0.107284978	1.01918E-05	3.403158903	6.067839146	0.055980511	0.000898027	30.77696037	0.003209635	0.010033868	0.000414103	0.000560304	0.000218989	0.218613699	3.66681E-06	0.000583452	0.000664278	0.001935894	0.000546119
2086 Dec	0.00126869	0.107286446	1.0192E-05	3.403203249	6.067918301	0.055981234	0.000898039	30.77735519	0.003209677	0.010034009	0.000414108	0.000560311	0.000218992	0.218616545	3.66686E-06	0.00058346	0.000664286	0.00193592	0.000546126
2087 Jan	0.001268693	0.107286796	1.0192E-05	3.403211594	6.067933083	0.055981401	0.000898041	30.77742195	0.003209684	0.010034037	0.000414109	0.000560312	0.000218992	0.218617111	3.66687E-06	0.000583461	0.000664288	0.001935925	0.000546127
2087 Feb	0.001268706	0.107287973	1.01921E-05	3.403246164	6.067996025	0.05598202	0.00089805	30.77773285	0.003209717	0.01003414	0.000414114	0.000560318	0.000218994	0.218619362	3.66691E-06	0.000583467	0.000664296	0.001935944	0.000546132
2087 Mar	0.001268752	0.10729184	1.01925E-05	3.403367281	6.068212032	0.055984039	0.000898082	30.77882195	0.003209831	0.010034498	0.000414128	0.000560338	0.000219002	0.21862714	3.66704E-06	0.000583487	0.000664319	0.001936013	0.000546151
2087 Apr	0.001268857	0.107300796	1.01933E-05	3.403650284	6.068716526	0.055988707	0.000898157	30.78138161	0.003210098	0.010035333	0.000414163	0.000560384	0.00021902	0.218645349	3.66734E-06	0.000583536	0.000664375	0.001936174	0.000546197
2087 May	0.001268984	0.107389241	1.01949E-05	3.404514074	6.068165779	0.056026906	0.000898041	30.75545502	0.003209687	0.010037142	0.000414547	0.000560285	0.000219009	0.218688577	3.66586E-06	0.000583651	0.000664776	0.001936189	0.000546012
2087 Jun	0.001267541	0.107577629	1.01871E-05	3.403032303	6.056778908	0.056093562	0.000896222	30.60435486	0.003203254	0.010029146	0.000415393	0.000559094	0.000218638	0.218537301	3.65427E-06	0.000583296	0.000665403	0.001933488	0.00054462
2087 Jul	0.001269015	0.107713349	1.02007E-05	3.407656431	6.063597679	0.056162119	0.000897305	30.63066673	0.003206946	0.010040686	0.000415865	0.000559764	0.000218902	0.218815237	3.65781E-06	0.000584154	0.000666184	0.00193569	0.000545446
2087 Aug	0.001270831	0.107868545	1.02161E-05	3.412955523	6.072245598	0.056243159	0.000898647	30.67040825	0.00321156	0.010054734	0.000416436	0.000560577	0.000219225	0.219144478	3.66266E-06	0.000585108	0.000667105	0.001938359	0.000546366
2087 Sep	0.001271633	0.107930072	1.02233E-05	3.415567875	6.076133728	0.05627628	0.000899333	30.6870079	0.003213646	0.010060712	0.000416629	0.000560947	0.000219376	0.219300687	3.6646E-06	0.000585616	0.00066746	0.001939422	0.000546901
2087 Oct	0.001271455	0.107930727	1.02227E-05	3.415801287	6.07468605	0.056271512	0.00089929	30.66736412	0.003212967	0.010059507	0.000416593	0.000560823	0.000219339	0.219292387	3.66305E-06	0.000585726	0.000667362	0.001938927	0.00054687
2087 Nov	0.001271374	0.107933842	1.02224E-05	3.415874958	6.073923588	0.056269705	0.000899255	30.65719795	0.003212609	0.010059083	0.00041659	0.000560754	0.000219319	0.219286352	3.66232E-06	0.000585765	0.000667324	0.001938707	0.000546815
2087 Dec	0.00127139	0.10793519	1.02225E-05	3.415915012	6.073994637	0.05627035	0.000899266	30.6575489	0.003212647	0.010059214	0.000416594	0.000560761	0.000219321	0.2192889	3.66236E-06	0.000585772	0.000667332	0.001938731	0.000546822
2088 Jan	0.001271396	0.107935816	1.02225E-05	3.415930986	6.074023247	0.056270655	0.00089927	30.65768242	0.003212661	0.010059267	0.000416596	0.000560763	0.000219322	0.219289973	3.66238E-06	0.000585774	0.000667336	0.00193874	0.000546824
2088 Feb	0.0012714	0.107936293	1.02226E-05	3.415941954	6.074043751	0.056270905	0.000899273	30.65777397	0.003212671	0.010059301	0.000416598	0.000560765	0.000219323	0.219290718	3.66239E-06	0.000585776	0.000667338	0.001938746	0.000546825
2088 Mar	0.001271448	0.107940353	1.02229E-05	3.416068316	6.074269295	0.056273025	0.000899306	30.65890503	0.00321279	0.010059674	0.000416614	0.000560785	0.000219331	0.21929884	3.66252E-06	0.000585797	0.000667363	0.001938818	0.000546845
2088 Apr	0.001271846	0.107974209	1.02261E-05	3.417138815	6.076171875	0.05629069	0.000899588	30.66849518	0.003213796	0.010062823	0.000416744	0.000560961	0.0002194	0.219367579	3.66367E-06	0.000585981	0.000667573	0.001939424	0.000547017
2088 May	0.001272721	0.108051047	1.02332E-05	3.419503689	6.080365658	0.056331173	0.0009002	30.68915558	0.003215993	0.010069693	0.000417036	0.000561343	0.00021955	0.219520032	3.66613E-06	0.000586384	0.000668047	0.001940738	0.000547397
2088 Jun	0.001271287	0.108126163	1.02321E-05	3.418414116	6.068338394	0.056311864	0.000898748	30.55194855	0.00321059	0.010065838	0.000417081	0.000560528	0.000219199	0.219329983	3.65718E-06	0.00058631	0.000668144	0.001939898	0.000546244
2088 Jul	0.001272881	0.108303711	1.02489E-05	3.423694611	6.074691772	0.056388624	0.000899822	30.5642395	0.003214312	0.010080518	0.000417652	0.000561244	0.00021946	0.21962826	3.66057E-06	0.000587287	0.000669171	0.001942837	0.000546949
2088 Aug	0.001275535	0.108523987	1.02708E-05	3.43116498	6.087509155	0.05650536	0.000901774	30.62743568	0.003221119	0.010101135	0.000418482	0.000562441	0.00021993	0.220100313	3.66804E-06	0.000588608	0.000670525	0.001946811	0.000548232
2088 Sep	0.00127627	0.108577907	1.02774E-05	3.433625221	6.091240883	0.056536511	0.000902416	30.64427185	0.003223119	0.010106411	0.000418661	0.000562803	0.000220076	0.220247865	3.66989E-06	0.00058909	0.000670854	0.001947806	0.000548757
2088 Oct	0.001275087	0.108487584	1.02707E-05	3.431636572	6.084275723	0.056474201	0.000901793	30.58987427	0.003219752	0.010098217	0.000418146	0.000562219	0.000219856	0.22007139	3.66493E-06	0.000588897	0.000670114	0.001945795	0.000548385
2088 Nov	0.001274931	0.108482912	1.02703E-05	3.431572676	6.082891941	0.056464296	0.000901724	30.57510948	0.003219157	0.01009769	0.000418075	0.000562113	0.000219816	0.220049694	3.66392E-06	0.000588927	0.000670011	0.00194554	0.000548288
2088 Dec	0.001274954	0.108484864	1.02705E-05	3.431631327	6.082995892	0.056465242	0.00090174	30.57562256	0.003219211	0.010097875	0.000418082	0.000562123	0.00021982	0.220053449	3.66398E-06	0.000588937	0.000670023	0.001945574	0.000548297
2089 Jan	0.001274958	0.108485326	1.02706E-05	3.431642056	6.083015442	0.056465469	0.000901743	30.5757103	0.003219221	0.010097913	0.000418083	0.000562124	0.00021982	0.220054194	3.664E-06	0.000588939	0.000670025	0.001945581	0.000548299
2089 Feb	0.001274967	0.108486161	1.02706E-05	3.431664228	6.083055973	0.056465905	0.000901748	30.57589912	0.003219242	0.01009798	0.000418086	0.000562128	0.000219822	0.22005567	3.66402E-06	0.000588942	0.00067003	0.001945593	0.000548302
2089 Mar	0.001275024	0.108491108	1.02711E-05	3.431818724	6.083330154	0.056468483	0.000901789	30.57727242	0.003219387	0.010098436	0.000418105	0.000562153	0.000219831	0.220065594	3.66418E-06	0.000588969	0.000670061	0.001945681	0.000548327
2089 Apr	0.001275277	0.108512603	1.02731E-05	3.432497501	6.084533691	0.056479674	0.000901967	30.5833149	0.003220024	0.010100434	0.000418188	0.000562264	0.000219875	0.22010912	3.66491E-06	0.000589085	0.000670194	0.001946065	0.000548435
2089 May	0.001275663	0.10865581	1.02779E-05	3.434060574	6.084454536	0.056537338	0.000901903	30.5512085	0.003219888	0.01010553	0.000418743	0.000562217	0.000219881	0.220191762	3.66356E-06	0.000589292	0.000670886	0.001946638	0.000548232
2089 Jun	0.001275164	0.108900681	1.02792E-05	3.434216022	6.077284336	0.056622643	0.000900675	30.43305779	0.003215842	0.010106809	0.00041967	0.000561475	0.000219649	0.220155194	3.65574E-06	0.000589171	0.000671936	0.001945944	0.000547204
2089 Jul	0.001276934	0.109058216	1.02951E-05	3.43958807	6.085534573	0.056702487	0.000901973	30.46759987	0.003220296	0.010120674	0.000420224	0.000562276	0.000219964	0.220481828	3.6602E-06	0.000590158	0.000672853	0.001948592	0.000548155
2089 Aug	0.001278626	0.109214351	1.03101E-05	3.444660902	6.093209743	0.056779731	0.000903187	30.49796295	0.003224434	0.010134029	0.000420778	0.000563004	0.000220256	0.220790118	3.66435E-06	0.000591078	0.000673724	0.001951059	0.000548994
2089 Sep	0.001278976	0.109250166	1.03141E-05	3.446611643	6.094571114	0.056796584	0.000903602	30.49290085	0.003225262	0.010136553	0.000420862	0.000563159	0.000220328	0.220886648	3.6643E-06	0.000591524	0.000673862	0.001951332	0.000549353
2089 Oct	0.001277763	0.109204993	1.03067E-05	3.445509672	6.086193085	0.05674829	0.000902966	30.40761566	0.003221228	0.010128545	0.000420554	0.000562426	0.000220076	0.220734507	3.65739E-06	0.000591554	0.0006732	0.00194884	0.00054876
2089 Nov	0.001277771	0.109212555	1.0307E-05	3.445746183	6.085840225	0.056748226	0.000902996	30.40058327	0.003221093	0.010128895	0.000420562	0.000562395	0.000220068	0.220739901	3.65699E-06	0.000591618	0.000673191	0.001948765	0.000548734
2089 Dec	0.001277798	0.109214872	1.03073E-05	3.445816755	6.085963726	0.056749374	0.000903015	30.40119362	0.003221159	0.010129114	0.00042057	0.000562406	0.000220073	0.220744401	3.65707E-06	0.00059163	0.000673205	0.001948805	0.000548745
2090 Jan	0.001277809	0.10921596	1.03073E-05	3.445847273	6.086019039	0.056749918	0.000903023	30.40145683	0.003221188	0.010129209	0.000420574	0.000562411	0.000220075	0.220746398	3.6571E-06	0.000591635	0.000673211	0.001948823	0.00054875
2090 Feb	0.001277824	0.109217264	1.03075E-05	3.445884705	6.086085796	0.056750599	0.000903032	30.40178108	0.003221222	0.01012932	0.000420579	0.000562417	0.000220077	0.220748827	3.65714E-06	0.000591641	0.000673219	0.001948843	0.000548755
2090 Mar	0.001277868	0.109221078	1.03078E-05	3.446003199	6.086296082	0.056752585	0.000903063	30.40282249	0.003221333	0.010129671	0.000420593	0.000562436	0.000220084	0.220756456	3.65726E-06	0.000591661	0.000673243	0.001948911	0.000548774
2090 Apr	0.001278021	0.109234214	1.0309E-05	3.44641614	6.087025642	0.05675941	0.000903171	30.40646362	0.003221719	0.010130885	0.000420644	0.000562504	0.000220111	0.220782921	3.6577E-06	0.000591732	0.000673323	0.001949144	0.00054884
2090 May	0.001278586	0.109298244	1.03134E-05	3.44829607	6.089519501	0.056792382	0.000903571	30.41202927	0.003223044	0.010135328	0.00042092	0.000562735	0.000220207	0.220894903	3.6588E-06	0.000592076	0.00067369	0.001949917	0.000549045
2090 Jun	0.001276865	0.10951978	1.02998E-05	3.452270508	6.076712608	0.05689396	0.000902327	30.18759727	0.003216648	0.010122506	0.000422313	0.000561732	0.000219906	0.220938444	3.64211E-06	0.00059328	0.000674508	0.001946098	0.000547727
2090 Jul	0.00127829	0.109667934	1.03135E-05	3.457312584	6.083072662	0.056967262	0.000903393	30.20341682	0.003220216	0.010134206	0.00042285	0.000562412	0.000220165	0.221227407	3.64507E-06	0.000594249	0.00067539	0.001948406	0.000548503
2090 Aug	0.001277915	0.10967163	1.03145E-05	3.458781719	6.079961777	0.056958862	0.000903385	30.15390968	0.003219037	0.010131327	0.00042277	0.00056223	0.000220118	0.221244305	3.64152E-06	0.000594728	0.000675147	0.001947564	0.000548604
2090 Sep	0.001276667	0.10958951	1.03078E-05	3.458090067	6.072131157	0.056899529	0.00090293	30.07636642	0.003215451	0.010122106	0.00042231	0.000561594	0.000219903	0.221108451	3.63508E-06	0.00059489	0.000674303	0.00194511	0.000548248
2090 Oct	0.001274721	0.109452836	1.02954E-05	3.455142975	6.059472561	0.056792818	0.000901989	29.96808434	0.003209414	0.010109082	0.000421524	0.000560464	0.000219506	0.220817208	3.626E-06	0.000594663	0.000672939	0.001941327	0.00054731
2090 Nov	0.001274058	0.109399699	1.0291E-05	3.45400095	6.055315495	0.056754399	0.000901675	29.93491936	0.003207404	0.0101045	0.000421227	0.000560086	0.000219373	0.220713958	3.62308E-06	0.000594555	0.000672452	0.001940019	0.000547019
2090 Dec	0.001274077	0.109401517	1.02912E-05	3.454056025	6.055392742	0.05675514	0.00090169	29.93516922	0.003207447	0.010104675	0.000421233	0.000560093	0.000219376	0.220717221	3.62312E-06	0.000594565	0.000672461	0.001940047	0.000547025
2091 Jan	0.001274082	0.109402038	1.02912E-05	3.454069376	6.05540657	0.056755342	0.000901693	29.93516159	0.003207455	0.010104715	0.000421234	0.000560094	0.000219376	0.220717981	3.62313E-06	0.000594567	0.000672463	0.001940052	0.000547026
2091 Feb	0.001274085	0.109402463	1.02913E-05	3.454078436	6.055420399	0.056755546	0.000901695	29.9351902	0.003207461	0.010104742	0.000421236	0.000560095	0.000219377	0.220718563	3.62314E-06	0.000594569	0.000672465	0.001940055	0.000547027
2091 Mar	0.001274159	0.109408893	1.02918E-05	3.454279184	6.055771828	0.056758884	0.000901747	29.93691254	0.003207647	0.01010533	0.00042126	0.000560128	0.000219389	0.220731393	3.62334E-06	0.000594603	0.000672504	0.001940168	0.000547058
2091 Apr	0.001274452	0.109434061	1.02942E-05	3.455072165	6.057162762	0.056771941	0.000901954	29.94378471	0.003208383	0.01010765	0.000421357	0.000560256	0.00021944	0.220782101	3.62418E-06	0.00059474	0.000672659	0.001940613	0.000547184
2091 May	0.001275068	0.109540321	1.02993E-05	3.456917524	6.059058189	0.056818802	0.000902242	29.93712997	0.003209285	0.010113332	0.000421776	0.000560375	0.00021951	0.220893636	3.6246E-06	0.000595022	0.00067318	0.00194134	0.000547225
2091 Jun	0.001273309	0.1097233	1.02883E-05	3.45374155	6.044678688	0.056865547	0.000900112	29.76502609	0.003201085	0.010104297	0.000422492	0.000558763	0.000219009	0.22064285	3.6112E-06	0.000594299	0.000673559	0.001937616	0.00054538
2091 Jul	0.001275712	0.109940685	1.03088E-05	3.460553408	6.055861473	0.056975577	0.000901809	29.81509781	0.003207057	0.010123647	0.000423295	0.000559821	0.000219422	0.221068785	3.61763E-06	0.000595493	0.000674871	0.001941326	0.000546474
2091 Aug	0.001276178	0.109982073	1.03149E-05	3.462991476	6.057845592	0.056996472	0.000902341	29.81293106	0.003208244	0.010126676	0.000423369	0.00056003	0.000219524	0.221192762	3.61787E-06	0.000596032	0.000675001	0.001941733	0.000547005
2091 Sep	0.001275897	0.109991208	1.03153E-05	3.463504076	6.05512476	0.056989342	0.000902283	29.77495766	0.003207017	0.010125049	0.000423304	0.000559773	0.00021946	0.221181482	3.61516E-06	0.000596217	0.0006748	0.001940934	0.000546918
2091 Oct	0.001274894	0.109927155	1.03086E-05	3.462402821	6.048811913	0.056942534	0.000901853	29.71613884	0.003203962	0.010117676	0.000422958	0.000559201	0.00021927	0.221053407	3.61009E-06	0.000596201	0.000674133	0.001938811	0.00054652
2091 Nov	0.001274126	0.109877445	1.03034E-05	3.461325169	6.043736935	0.056902904	0.000901499	29.67065048	0.003201505	0.010112406	0.000422676	0.000558727	0.000219111	0.220942557	3.60628E-06	0.00059613	0.000673594	0.001937182	0.000546124
2091 Dec	0.001274127	0.109878339	1.03034E-05	3.461354494	6.043664455	0.056902532	0.000901506	29.6694603	0.003201476	0.010112477	0.000422675	0.000558719	0.000219109	0.220942855	3.60622E-06	0.000596138	0.000673588	0.001937164	0.000546117
2092 Jan	0.001274131	0.109878935	1.03035E-05	3.46137023	6.043674946	0.056902759	0.000901509	29.66937447	0.003201483	0.010112517	0.000422676	0.00055872	0.00021911	0.22094366	3.60622E-06	0.000596142	0.00067359	0.001937168	0.000546117
2092 Feb	0.001274142	0.109880075	1.03036E-05	3.461400986	6.043725014	0.056903336	0.000901517	29.66956711	0.003201508	0.010112605	0.00042268	0.000558724	0.000219111	0.220945626	3.60625E-06	0.000596147	0.000673597	0.001937183	0.000546121
2092 Mar	0.00127423	0.109887682	1.03043E-05	3.461637735	6.044138908	0.056907281	0.000901578	29.6715889	0.003201727	0.010113298	0.00042271	0.000558762	0.000219126	0.220960766	3.60649E-06	0.000596187	0.000673643	0.001937316	0.000546158
2092 Apr	0.001274472	0.109908655	1.03062E-05	3.462296724	6.045289993	0.056918144	0.000901749	29.67723465	0.003202337	0.010115225	0.00042279	0.000558868	0.000219168	0.221002847	3.60718E-06	0.000596301	0.000673772	0.001937684	0.000546262
2092 May	0.001275065	0.110030688	1.03104E-05	3.464788437	6.047110558	0.056977503	0.000902073	29.6607933	0.003203199	0.010120157	0.00042352	0.000558986	0.000219247	0.221142605	3.60686E-06	0.000596743	0.000674377	0.001938202	0.00054628
2092 Jun	0.001271037	0.110185757	1.02794E-05	3.459919453	6.021716595	0.057031207	0.000898396	29.36575699	0.003189035	0.010090794	0.000424406	0.000556411	0.000218422	0.220705658	3.58196E-06	0.000595965	0.000674527	0.001930338	0.000543465
2092 Jul	0.001270939	0.110240936	1.02825E-05	3.461103201	6.020302773	0.05705129	0.000898273	29.33255577	0.003188456	0.010091147	0.000424553	0.000556376	0.000218406	0.220741361	3.57974E-06	0.000596253	0.000674796	0.001930426	0.000543585
2092 Aug	0.001272864	0.110399976	1.02988E-05	3.466837645	6.029634953	0.057136562	0.000899746	29.37602425	0.003193436	0.01010585	0.000425137	0.000557257	0.000218757	0.22109656	3.58492E-06	0.000597299	0.000675758	0.001933238	0.000544616
2092 Sep	0.001273096	0.110415146	1.03019E-05	3.468369722	6.030783176	0.05714649	0.000900095	29.37441444	0.003194144	0.010107125	0.000425155	0.000557394	0.000218819	0.221171841	3.58493E-06	0.000597661	0.00067581	0.001933402	0.000544964
2092 Oct	0.001272818	0.110399716	1.03002E-05	3.468936443	6.029119492	0.057137571	0.000900105	29.35084915	0.003193459	0.010104689	0.000425096	0.000557294	0.000218788	0.221170783	3.58301E-06	0.000597898	0.000675646	0.001932754	0.000544968
2092 Nov	0.001272778	0.110398673	1.03E-05	3.46918416	6.028819084	0.057136558	0.000900134	29.34509468	0.003193357	0.010104338	0.000425093	0.000557281	0.000218784	0.221176252	3.58259E-06	0.000597978	0.000675619	0.001932631	0.000544974
2092 Dec	0.001272806	0.110401042	1.03002E-05	3.469256163	6.028943062	0.057137728	0.000900153	29.34569359	0.003193424	0.010104559	0.000425101	0.000557292	0.000218789	0.221180841	3.58267E-06	0.00059799	0.000675633	0.001932671	0.000544985
2093 Jan	0.001272809	0.110401399	1.03003E-05	3.469263554	6.028957367	0.057137895	0.000900155	29.34575081	0.003193431	0.010104587	0.000425102	0.000557293	0.000218789	0.221181348	3.58267E-06	0.000597991	0.000675635	0.001932676	0.000544986
2093 Feb	0.001272819	0.110402398	1.03003E-05	3.469291925	6.029006004	0.057138417	0.000900162	29.34597206	0.003193456	0.010104669	0.000425106	0.000557298	0.000218791	0.221183181	3.5827E-06	0.000597996	0.000675641	0.001932691	0.00054499
2093 Mar	0.001272948	0.110413574	1.03014E-05	3.46964097	6.029613495	0.057144199	0.000900252	29.34891891	0.003193777	0.010105686	0.000425149	0.000557354	0.000218813	0.221205473	3.58306E-06	0.000598056	0.00067571	0.001932885	0.000545045
2093 Apr	0.001273207	0.110436082	1.03035E-05	3.470347166	6.030840874	0.057155851	0.000900435	29.35489273	0.003194427	0.010107744	0.000425236	0.000557467	0.000218858	0.221250504	3.58379E-06	0.000598178	0.000675847	0.001933279	0.000545156
2093 May	0.001273881	0.110551305	1.03084E-05	3.47317481	6.033549786	0.057216424	0.000900854	29.34731293	0.003195817	0.010113002	0.000425792	0.000557714	0.000218972	0.221411541	3.58416E-06	0.0005987	0.000676496	0.001934114	0.000545312
2093 Jun	0.001272169	0.110744581	1.02943E-05	3.474927902	6.022713661	0.057321768	0.000899329	29.16801262	0.003189898	0.010099163	0.000427111	0.000556772	0.000218689	0.22139664	3.56997E-06	0.000599257	0.000677397	0.001930702	0.000544118
2093 Jul	0.001273884	0.110905312	1.03097E-05	3.480362415	6.030739784	0.057404608	0.000900594	29.19857025	0.003194242	0.010112662	0.000427703	0.000557565	0.000218999	0.221723899	3.57413E-06	0.000600263	0.000678359	0.001933321	0.000545033

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2093 Aug	0.001275459	0.111034088	1.03234E-05	3.485226393	6.03839159	0.057473898	0.000901824	29.23308754	0.003198344	0.010124485	0.000428164	0.000558296	0.000219291	0.222020984	3.57823E-06	0.00060117	0.000679122	0.001935573	0.000545948
2093 Sep	0.001275644	0.111056708	1.0326E-05	3.487064362	6.039123535	0.057486903	0.00090217	29.22251511	0.00319886	0.010125372	0.000428226	0.000558408	0.000219346	0.222104266	3.57757E-06	0.000601626	0.000679195	0.001935565	0.000546279
2093 Oct	0.001273864	0.110955551	1.03131E-05	3.485333204	6.028514385	0.057417944	0.000901326	29.12109947	0.003193717	0.010111911	0.000427779	0.000557504	0.000219029	0.221894354	3.56873E-06	0.000601644	0.000678231	0.001932051	0.000545567
2093 Nov	0.001273345	0.110929377	1.03094E-05	3.484888077	6.024818897	0.057392661	0.000901111	29.08377838	0.003191967	0.010108548	0.000427622	0.000557174	0.000218917	0.221827522	3.56577E-06	0.000601677	0.000677888	0.001930896	0.000545267
2093 Dec	0.001273373	0.110931925	1.03096E-05	3.484964371	6.024940014	0.057393838	0.000901131	29.08428383	0.003192033	0.010108784	0.000427631	0.000557185	0.000218922	0.22183226	3.56584E-06	0.00060169	0.000677902	0.001930936	0.000545277
2094 Jan	0.00127338	0.110932782	1.03097E-05	3.484987736	6.024971485	0.057394229	0.000901137	29.08435822	0.003192049	0.010108848	0.000427634	0.000557188	0.000218923	0.221833661	3.56586E-06	0.000601694	0.000677907	0.001930946	0.00054528
2094 Feb	0.001273387	0.110933498	1.03097E-05	3.485005617	6.025002003	0.057394605	0.000901141	29.08447456	0.003192065	0.010108901	0.000427637	0.00055719	0.000218924	0.221834823	3.56587E-06	0.000601697	0.000677911	0.001930955	0.000545282
2094 Mar	0.001273453	0.110939331	1.03103E-05	3.485186338	6.025313854	0.057397623	0.000901187	29.08596802	0.00319223	0.010109425	0.000427659	0.000557219	0.000218935	0.221846342	3.56606E-06	0.000601728	0.000677946	0.001931055	0.00054531
2094 Apr	0.001273631	0.110954836	1.03117E-05	3.485671997	6.026154041	0.057405647	0.000901313	29.09001732	0.003192674	0.010110835	0.000427719	0.000557296	0.000218966	0.221877277	3.56655E-06	0.000601812	0.000678041	0.001931324	0.000545386
2094 May	0.001273741	0.111063242	1.03117E-05	3.487495184	6.025483131	0.057458818	0.000901292	29.04987144	0.003192196	0.010111808	0.000428282	0.000557192	0.000218965	0.221961319	3.56397E-06	0.000602179	0.000678541	0.001930975	0.000545181
2094 Jun	0.001273761	0.111294009	1.0311E-05	3.491275072	6.023058891	0.057573453	0.000901086	28.9528923	0.00319063	0.010112116	0.000429473	0.000556903	0.000218935	0.222125709	3.55729E-06	0.00060297	0.00067962	0.001929953	0.000544789
2094 Jul	0.001276387	0.111522451	1.03332E-05	3.498930216	6.035547256	0.057692498	0.000903008	29.00974846	0.003197302	0.010132691	0.000430326	0.000558091	0.0002194	0.222601563	3.56433E-06	0.000604343	0.000681007	0.001933912	0.000546082
2094 Aug	0.00127908	0.111753196	1.03555E-05	3.506559372	6.048363209	0.057812888	0.000904967	29.07035637	0.003204115	0.010153756	0.000431196	0.000559286	0.000219873	0.223081097	3.57171E-06	0.000605693	0.000682401	0.001937925	0.000547349
2094 Sep	0.001279247	0.111756288	1.0358E-05	3.507791519	6.049226761	0.057815894	0.000905294	29.06926727	0.003204625	0.010154495	0.000431134	0.000559384	0.000219921	0.223140061	3.57153E-06	0.000606008	0.000682375	0.00193789	0.000547729
2094 Oct	0.001278579	0.111723386	1.03525E-05	3.508610725	6.045111656	0.057795797	0.000905247	29.01454353	0.003202738	0.010148545	0.000431025	0.00055906	0.000219824	0.223118141	3.5669E-06	0.00060643	0.000681971	0.001936076	0.000547609
2094 Nov	0.001277875	0.111690037	1.03463E-05	3.509227276	6.040278912	0.057769254	0.000905174	28.95344162	0.003200542	0.010142898	0.000430907	0.000558657	0.0002197	0.223078266	3.56201E-06	0.000606815	0.000681503	0.001934141	0.000547297
2094 Dec	0.001277834	0.111687824	1.03459E-05	3.509275675	6.039986134	0.057767432	0.000905175	28.9496727	0.003200411	0.010142579	0.000430898	0.000558633	0.000219693	0.223076224	3.56171E-06	0.000606841	0.000681472	0.001934021	0.000547279
2095 Jan	0.001277845	0.111689009	1.0346E-05	3.509311676	6.040032864	0.057768002	0.000905183	28.9497776	0.003200437	0.010142667	0.000430903	0.000558637	0.000219695	0.22307834	3.56174E-06	0.000606848	0.000681478	0.001934035	0.000547283
2095 Feb	0.001277854	0.11168997	1.0346E-05	3.50933814	6.040072918	0.057768505	0.000905189	28.9499073	0.003200457	0.010142737	0.000430906	0.00055864	0.000219696	0.223080009	3.56175E-06	0.000606853	0.000681483	0.001934047	0.000547286
2095 Mar	0.001277895	0.111693643	1.03464E-05	3.509450674	6.040266514	0.057770412	0.000905218	28.95081711	0.003200559	0.010143062	0.00043092	0.000558658	0.000219703	0.223087177	3.56187E-06	0.000606872	0.000681506	0.001934108	0.000547303
2095 Apr	0.00127812	0.111713313	1.03482E-05	3.510066986	6.041327953	0.057780586	0.000905377	28.95589828	0.003201121	0.010144844	0.000430996	0.000558756	0.000219742	0.223126382	3.56249E-06	0.000606979	0.000681626	0.001934448	0.000547399
2095 May	0.001278497	0.11184296	1.035E-05	3.512665749	6.041959763	0.057845686	0.000905575	28.92175674	0.0032013	0.010147724	0.000431643	0.000558759	0.000219787	0.223259643	3.56055E-06	0.000607489	0.000682246	0.001934384	0.000547331
2095 Jun	0.001279448	0.112092584	1.03563E-05	3.517866373	6.044499397	0.057970658	0.0009061	28.87146568	0.003202382	0.01015529	0.000432832	0.000558912	0.000219917	0.223537639	3.55817E-06	0.000608482	0.000683496	0.001934863	0.000547387
2095 Jul	0.001282193	0.112328015	1.03793E-05	3.525764227	6.057560921	0.058093257	0.000908106	28.93229675	0.003209347	0.010176713	0.00043371	0.000560143	0.000220402	0.224030703	3.56561E-06	0.000609894	0.000684914	0.001938956	0.000548725
2095 Aug	0.001282506	0.112352207	1.03836E-05	3.528044224	6.059124947	0.05810938	0.000908572	28.92794418	0.003210296	0.010177917	0.000433752	0.000560328	0.000220492	0.224141568	3.56536E-06	0.000610442	0.000684962	0.00193904	0.000549276
2095 Sep	0.001282959	0.112409636	1.03883E-05	3.530606508	6.060745239	0.058137648	0.000909077	28.91753006	0.00321128	0.010181025	0.000433957	0.000560487	0.000220581	0.224269092	3.56516E-06	0.000611002	0.000685167	0.001939314	0.000549604
2095 Oct	0.001283091	0.112425871	1.03895E-05	3.53168273	6.061184406	0.058145963	0.000909293	28.91098976	0.00321158	0.010181762	0.000434016	0.000560539	0.000220612	0.224318519	3.5648E-06	0.000611264	0.00068521	0.00193928	0.000549747
2095 Nov	0.001282861	0.112423569	1.03874E-05	3.532252312	6.05919981	0.058138773	0.000909318	28.88173485	0.003210699	0.010179941	0.000434007	0.000560362	0.000220565	0.22431615	3.56263E-06	0.000611488	0.000685029	0.001938454	0.000549612
2095 Dec	0.001282855	0.112425402	1.03874E-05	3.532388687	6.059039116	0.058138706	0.000909339	28.87832451	0.003210637	0.010179919	0.000434013	0.000560347	0.000220563	0.224319652	3.56241E-06	0.000611528	0.000685016	0.001938381	0.0005496
2096 Jan	0.001282866	0.112426609	1.03875E-05	3.532424212	6.059082031	0.058139287	0.000909347	28.87838364	0.003210661	0.010180004	0.000434017	0.000560351	0.000220564	0.224321738	3.56242E-06	0.000611534	0.000685022	0.001938393	0.000549603
2096 Feb	0.001282889	0.112428837	1.03876E-05	3.532487631	6.059191704	0.058140449	0.000909363	28.87887192	0.003210717	0.010180189	0.000434025	0.000560361	0.000220568	0.224325821	3.56248E-06	0.000611545	0.000685036	0.001938427	0.000549613
2096 Mar	0.001282934	0.11243283	1.0388E-05	3.532609463	6.059401512	0.05814252	0.000909394	28.87985992	0.003210828	0.010180541	0.000434041	0.00056038	0.000220576	0.224333584	3.56261E-06	0.000611566	0.00068506	0.001938494	0.000549631
2096 Apr	0.001283145	0.112451427	1.03897E-05	3.533191204	6.060400009	0.058152132	0.000909543	28.88461304	0.003211357	0.01018222	0.000434112	0.000560472	0.000220612	0.224370569	3.56319E-06	0.000611667	0.000685173	0.001938813	0.000549722
2096 May	0.001283838	0.112560973	1.03939E-05	3.536512852	6.063252926	0.058212206	0.000910096	28.87447548	0.003212873	0.010187035	0.000434682	0.000560734	0.00022074	0.224551737	3.56336E-06	0.000612333	0.000685757	0.001939438	0.000549906
2096 Jun	0.001281551	0.11272651	1.03739E-05	3.541143656	6.048837662	0.058305219	0.000908831	28.62874413	0.003205839	0.010167389	0.000436075	0.00055968	0.000220423	0.224595398	3.5444E-06	0.000613856	0.000686323	0.001934528	0.000548589
2096 Jul	0.001282879	0.112871319	1.03872E-05	3.5464921	6.054807663	0.058379017	0.000909897	28.63724899	0.003209262	0.010178083	0.000436615	0.000560356	0.00022068	0.224891126	3.54672E-06	0.00061493	0.000687195	0.00193668	0.00054941
2096 Aug	0.001285128	0.113062844	1.0406E-05	3.553036213	6.065557003	0.058479864	0.000911573	28.68691254	0.003214988	0.010195538	0.000437332	0.000561362	0.00022108	0.225298986	3.55278E-06	0.000616103	0.000688347	0.001939995	0.00055052
2096 Sep	0.00128482	0.113033652	1.04054E-05	3.553768873	6.063734055	0.058462746	0.000911665	28.66196442	0.003214261	0.01019275	0.000437138	0.000561257	0.00022105	0.225300282	3.55058E-06	0.00061641	0.000688068	0.001939207	0.000550709
2096 Oct	0.001283375	0.112933859	1.03961E-05	3.552345514	6.054544926	0.058387902	0.000911072	28.57686615	0.003210007	0.010182907	0.000436604	0.000560507	0.000220777	0.225115061	3.54354E-06	0.000616456	0.000687129	0.001936479	0.000550104
2096 Nov	0.001283266	0.112929441	1.03956E-05	3.552489519	6.053346634	0.058378346	0.000911084	28.56217957	0.003209514	0.010182598	0.000436543	0.000560409	0.000220745	0.225103855	3.54257E-06	0.000616538	0.000687009	0.001936168	0.000550013
2096 Dec	0.001283277	0.11293041	1.03957E-05	3.552516937	6.053393364	0.058378782	0.000911091	28.56239128	0.003209539	0.010182691	0.000436546	0.000560413	0.000220747	0.225105599	3.5426E-06	0.000616542	0.000687014	0.001936184	0.000550017
2097 Jan	0.00128328	0.112930737	1.03957E-05	3.552522898	6.053404331	0.058378931	0.000911093	28.56242943	0.003209544	0.010182714	0.000436547	0.000560414	0.000220747	0.225106001	3.5426E-06	0.000616543	0.000687016	0.001936188	0.000550018
2097 Feb	0.001283282	0.112931021	1.03957E-05	3.552528143	6.053412437	0.05837908	0.000911094	28.56244469	0.003209547	0.01018273	0.000436547	0.000560414	0.000220747	0.225106359	3.54261E-06	0.000616544	0.000687018	0.00193619	0.000550018
2097 Mar	0.001283321	0.112934589	1.0396E-05	3.552638292	6.053599834	0.058380924	0.000911122	28.56332016	0.003209647	0.010183047	0.000436561	0.000560431	0.000220754	0.225113362	3.54272E-06	0.000616563	0.000687039	0.001936249	0.000550035
2097 Apr	0.001283595	0.112958699	1.03983E-05	3.553395271	6.054890156	0.058393385	0.000911316	28.56940651	0.003210331	0.010185217	0.000436654	0.000560551	0.000220801	0.225161329	3.54347E-06	0.000616694	0.000687186	0.001936662	0.000550152
2097 May	0.001284355	0.113065362	1.04045E-05	3.555838823	6.057844639	0.058444455	0.000911772	28.57023048	0.003211842	0.010191676	0.000437091	0.0005608	0.000220914	0.225307897	3.54453E-06	0.000617112	0.000687763	0.001937676	0.00055035
2097 Jun	0.001283748	0.113231637	1.04016E-05	3.55644846	6.051473141	0.058506224	0.000910924	28.46491241	0.003208291	0.010189606	0.000437818	0.000560142	0.000220721	0.225288093	3.53701E-06	0.000617228	0.000688401	0.001936248	0.000549533
2097 Jul	0.001286146	0.113444239	1.04221E-05	3.563448429	6.062704086	0.058614947	0.000912663	28.51442528	0.003214311	0.010208583	0.000438602	0.000561211	0.00022114	0.225721091	3.54332E-06	0.000618483	0.000689672	0.001939868	0.000550691
2097 Aug	0.001287705	0.113571987	1.04357E-05	3.568286419	6.070266724	0.058683652	0.000913886	28.5481739	0.003218366	0.010220287	0.000439059	0.000561933	0.000221429	0.22601606	3.54735E-06	0.000619387	0.000690426	0.001942087	0.000551598
2097 Sep	0.001288473	0.113631509	1.04426E-05	3.570927143	6.074088097	0.058717255	0.000914558	28.56381416	0.003220424	0.010225848	0.000439258	0.000562305	0.00022158	0.226172447	3.54917E-06	0.000619907	0.000690779	0.001943112	0.000552137
2097 Oct	0.001288175	0.113617487	1.04412E-05	3.570906162	6.07196331	0.058703296	0.000914476	28.54010963	0.003219422	0.010223814	0.000439144	0.000562121	0.00022152	0.226143628	3.54722E-06	0.000619992	0.000690575	0.00194239	0.00055207
2097 Nov	0.001287938	0.113606617	1.04397E-05	3.570721149	6.070306301	0.058692649	0.000914372	28.52314377	0.00321863	0.010222242	0.00043907	0.000561974	0.000221471	0.226114556	3.54583E-06	0.000620009	0.000690428	0.001941872	0.000551963
2097 Dec	0.001287882	0.113603167	1.04393E-05	3.57065773	6.069960117	0.058690108	0.000914347	28.51993752	0.003218462	0.010221839	0.000439052	0.000561944	0.00022146	0.226107389	3.54556E-06	0.000620008	0.000690394	0.001941758	0.000551942
2098 Jan	0.00128789	0.113604181	1.04394E-05	3.570682049	6.069988251	0.058690552	0.000914352	28.51994705	0.003218477	0.010221909	0.000439055	0.000561946	0.000221461	0.226108804	3.54557E-06	0.000620012	0.000690399	0.001941768	0.000551943
2098 Feb	0.001287898	0.113605104	1.04394E-05	3.570703745	6.07002449	0.058691025	0.000914357	28.52007103	0.003218494	0.010221973	0.000439058	0.000561949	0.000221463	0.226110235	3.54559E-06	0.000620016	0.000690404	0.001941779	0.000551946
2098 Mar	0.001287925	0.113607556	1.04396E-05	3.570776939	6.070149422	0.058692299	0.000914375	28.52064705	0.00321856	0.010222184	0.000439068	0.00056196	0.000221467	0.226114899	3.54566E-06	0.000620028	0.000690419	0.001941819	0.000551957
2098 Apr	0.00128809	0.113625519	1.04409E-05	3.571237326	6.070904732	0.058701649	0.000914481	28.5234375	0.003218941	0.010223477	0.00043913	0.000562024	0.000221493	0.226144642	3.54604E-06	0.000620104	0.000690523	0.001942044	0.000552017
2098 May	0.00128843	0.113854676	1.04433E-05	3.572478056	6.069812775	0.058803018	0.000914047	28.46793365	0.003217767	0.010228125	0.00044008	0.000561714	0.000221438	0.22622548	3.54277E-06	0.000620128	0.000691605	0.001941989	0.00055143
2098 Jun	0.001285561	0.114108823	1.04226E-05	3.565809727	6.050228596	0.058898047	0.000910313	28.24921608	0.00320584	0.010209949	0.000441258	0.000559453	0.00022071	0.22580649	3.52412E-06	0.000618522	0.000692493	0.001936576	0.000548854
2098 Jul	0.001288184	0.114352107	1.04449E-05	3.573352098	6.06244278	0.059022177	0.000912159	28.30195999	0.003212333	0.010230917	0.000442168	0.000560602	0.000221162	0.226277307	3.53095E-06	0.000619848	0.000693956	0.00194057	0.000550058
2098 Aug	0.001288893	0.114413388	1.04527E-05	3.576296091	6.065847874	0.059056249	0.000912835	28.30979156	0.003214206	0.010235714	0.000442335	0.000560938	0.000221311	0.226441428	3.53209E-06	0.000620456	0.000694253	0.001941392	0.000550713
2098 Sep	0.001287475	0.114358149	1.04445E-05	3.57374692	6.057010174	0.059008848	0.000911881	28.23186111	0.003209616	0.010225678	0.000441966	0.000560068	0.000221022	0.226232558	3.52515E-06	0.000620092	0.000693561	0.001938653	0.000550089
2098 Oct	0.001285961	0.114278644	1.04342E-05	3.570656538	6.047150612	0.058940556	0.00091093	28.1498909	0.003204578	0.010215627	0.000441468	0.000559092	0.000220689	0.225984097	3.51799E-06	0.000619658	0.000692665	0.00193561	0.000549251
2098 Nov	0.001285416	0.114243433	1.04304E-05	3.569653749	6.043602943	0.058912508	0.000910641	28.12025261	0.003202804	0.010211945	0.000441261	0.000558748	0.000220571	0.225897431	3.51541E-06	0.000619543	0.000692296	0.001934464	0.000548964
2098 Dec	0.001285441	0.114245735	1.04306E-05	3.569722176	6.043708324	0.058913548	0.000910659	28.12066269	0.003202861	0.010212154	0.000441269	0.000558757	0.000220575	0.225901634	3.51547E-06	0.000619555	0.000692309	0.001934499	0.000548973
2099 Jan	0.00128545	0.114246674	1.04306E-05	3.569746733	6.043744564	0.058913987	0.000910665	28.12077141	0.00320288	0.010212229	0.000441272	0.00055876	0.000220576	0.225903153	3.51549E-06	0.000619559	0.000692314	0.001934511	0.000548976
2099 Feb	0.001285461	0.114247762	1.04307E-05	3.56977582	6.043792248	0.058914538	0.000910672	28.1209507	0.003202904	0.010212312	0.000441276	0.000558764	0.000220578	0.225905016	3.51552E-06	0.000619564	0.00069232	0.001934525	0.00054898
2099 Mar	0.001285552	0.11425595	1.04315E-05	3.570028782	6.044220448	0.058918763	0.000910736	28.12293434	0.003203131	0.010213037	0.000441307	0.000558804	0.000220594	0.22592105	3.51577E-06	0.000619608	0.000692369	0.001934662	0.000549018
2099 Apr	0.001285957	0.114298172	1.04346E-05	3.571153402	6.046078682	0.058940679	0.000911003	28.13018036	0.003204076	0.010216216	0.000441456	0.000558962	0.000220658	0.22599341	3.51673E-06	0.000619795	0.000692615	0.00193522	0.000549172
2099 May	0.001285383	0.114643089	1.04255E-05	3.569451809	6.038913727	0.059101585	0.00090926	28.003685	0.003198405	0.010212868	0.000442466	0.00055764	0.000220278	0.225932539	3.50648E-06	0.00061903	0.000694032	0.001932109	0.00054753
2099 Jun	0.001284339	0.114769273	1.04173E-05	3.567228556	6.031941891	0.059160318	0.000907852	27.91709518	0.003193783	0.01020523	0.000442887	0.00055673	0.000219995	0.225803062	3.49863E-06	0.000618455	0.000694513	0.001929625	0.000546689
2099 Jul	0.001286618	0.114979438	1.04369E-05	3.573918819	6.04257822	0.059268147	0.000909481	27.96204948	0.003199437	0.010223204	0.000443657	0.00055773	0.000220391	0.226217806	3.50443E-06	0.000619648	0.000695759	0.001933014	0.000547791
2099 Aug	0.001288669	0.115152843	1.04548E-05	3.580330372	6.052454472	0.059361253	0.000911096	28.00422287	0.00320472	0.010238708	0.000444276	0.000558662	0.000220768	0.226608425	3.50961E-06	0.000620839	0.000696777	0.001935915	0.000548956
2099 Sep	0.001288065	0.115130626	1.04515E-05	3.579794407	6.048801422	0.059345491	0.0009108	27.9663887	0.003202798	0.010233681	0.000444079	0.000558287	0.000220655	0.226544559	3.50611E-06	0.000620829	0.000696447	0.001934471	0.000548835
2099 Oct	0.001287291	0.115105897	1.04459E-05	3.57858181	6.043647766	0.059320372	0.000910336	27.91679382	0.003200085	0.010228139	0.000443857	0.000557747	0.000220479	0.226435378	3.50178E-06	0.00062069	0.000696037	0.001932648	0.000548418
2099 Nov	0.00128675	0.115077801	1.04417E-05	3.577618122	6.040237427	0.059298545	0.000910025	27.88700104	0.003198317	0.010224195	0.000443679	0.000557401	0.000220363	0.22635442	3.4991E-06	0.000620572	0.000695719	0.001931455	0.000548134
2099 Dec	0.001286775	0.115080126	1.0442E-05	3.577685595	6.040349007	0.059299644	0.000910043	27.88748932	0.003198376	0.010224407	0.000443687	0.000557411	0.000220367	0.226358667	3.49917E-06	0.000620583	0.000695732	0.001931492	0.000548143
2100 Jan	0.001286778	0.115080647	1.0442E-05	3.577695847	6.04035759	0.059299864	0.000910045	27.88743973	0.00319838	0.010224435	0.000443689	0.000557412	0.000220367	0.226359263	3.49917E-06	0.000620585	0.000695734	0.001931495	0.000548143
2100 Feb	0.001286783	0.115081221	1.0442E-05	3.577708244	6.04037571	0.059300151	0.000910047	27.88746834	0.003198389	0.01022447	0.000443691	0.000557413	0.000220368	0.226360053	3.49918E-06	0.000620587	0.000695737	0.0019315	0.000548144
2100 Mar	0.001286802	0.115083046	1.04422E-05	3.577762127	6.040466785	0.059301089	0.000910061	27.88787842	0.003198437	0.010224625	0.000443697	0.000557421	0.000220371	0.22636348	3.49923E-06	0.000620596	0.000695748	0.001931528	0.000548152
2100 Apr	0.001287107	0.115110323	1.04446E-05	3.578608751	6.041896343	0.059315149	0.000910276	27.89447594	0.003199194	0.010227046	0.000443803	0.000557553	0.000220423	0.226417065	3.50006E-06	0.000620743	0.000695913	0.001931985	0.000548282
2100 May	0.001287572	0.115311913	1.0447E-05	3.580508709	6.042038441	0.059409916	0.000910153	27.85087776	0.00319876	0.010231609	0.000444691	0.000557374	0.000220421	0.226533607	3.49763E-06	0.000620952	0.000696864	0.001931953	0.000547883

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2100 Jun	0.001284754	0.115501031	1.04243E-05	3.574558258	6.024057388	0.059488043	0.000906862	27.65156937	0.003187797	0.01021164	0.000445643	0.000555284	0.000219755	0.226152241	3.48009E-06	0.000619594	0.000697445	0.001926298	0.000545574
2100 Jul	0.001285244	0.115580745	1.04305E-05	3.576896429	6.026111126	0.059528466	0.000907203	27.64614296	0.003188904	0.01021562	0.000445904	0.000555521	0.00021985	0.226279542	3.48019E-06	0.00062006	0.000697905	0.001927062	0.000546002
2100 Aug	0.001285126	0.115594499	1.04321E-05	3.577873945	6.025052547	0.059533354	0.000907241	27.62306404	0.003188452	0.010214213	0.000445883	0.000555443	0.000219843	0.226307943	3.47834E-06	0.000620333	0.000697835	0.001926584	0.000546213
2100 Sep	0.001285035	0.115607254	1.04331E-05	3.578502655	6.023998737	0.059535742	0.000907268	27.60328674	0.003187991	0.010213524	0.000445869	0.000555344	0.000219827	0.226322427	3.47691E-06	0.000620504	0.000697776	0.001926218	0.000546276
2100 Oct	0.001285074	0.11561501	1.0434E-05	3.579089403	6.023966789	0.059538413	0.000907377	27.59667778	0.003188023	0.010213752	0.000445871	0.000555348	0.000219836	0.226346001	3.47646E-06	0.000620655	0.000697772	0.001926122	0.00054637
2100 Nov	0.001285147	0.115622945	1.04347E-05	3.579393625	6.024243832	0.059541997	0.000907445	27.59638786	0.003188182	0.01021434	0.000445896	0.000555374	0.000219849	0.226362169	3.47653E-06	0.000620718	0.000697807	0.001926197	0.00054641
2100 Dec	0.001285189	0.115626745	1.0435E-05	3.57950902	6.024436951	0.059543893	0.000907475	27.59726715	0.003188284	0.010214681	0.00044591	0.000555392	0.000219856	0.226369455	3.47664E-06	0.000620738	0.000697829	0.00192626	0.000546428
2101 Jan	0.001285199	0.115627721	1.04351E-05	3.579535484	6.024482727	0.059544377	0.000907481	27.59746552	0.003188308	0.010214763	0.000445913	0.000555396	0.000219857	0.226371184	3.47667E-06	0.000620743	0.000697835	0.001926274	0.000546432
2101 Feb	0.001285203	0.115628175	1.04351E-05	3.579545736	6.024501324	0.059544619	0.000907484	27.5975399	0.003188317	0.010214793	0.000445915	0.000555397	0.000219858	0.226371884	3.47668E-06	0.000620744	0.000697838	0.00192628	0.000546433
2101 Mar	0.001285219	0.115629636	1.04352E-05	3.579589128	6.02457428	0.059545372	0.000907494	27.59786797	0.003188355	0.010214918	0.00044592	0.000555404	0.00021986	0.226374626	3.47672E-06	0.000620752	0.000697846	0.001926303	0.000546439
2101 Apr	0.0012854	0.115646042	1.04367E-05	3.580094099	6.02542448	0.059553843	0.000907622	27.60174561	0.003188804	0.010216356	0.000445983	0.000555482	0.000219891	0.226406604	3.47721E-06	0.000620839	0.000697945	0.001926574	0.000546517
2101 May	0.00128555	0.11581286	1.04378E-05	3.580881596	6.024245739	0.059630051	0.000907214	27.55744743	0.00318775	0.010218758	0.000446749	0.000555221	0.000219845	0.226457328	3.47451E-06	0.000620826	0.000698734	0.001926434	0.000546025
2101 Jun	0.001283828	0.115938358	1.04257E-05	3.577479362	6.013278484	0.059682734	0.000905141	27.43376923	0.003181171	0.0102068	0.000447413	0.000553999	0.000219456	0.226233378	3.46385E-06	0.000620032	0.000699173	0.001923326	0.000544679
2101 Jul	0.001286247	0.116164267	1.04461E-05	3.584547758	6.024593353	0.059799269	0.000906861	27.48154831	0.003187178	0.010225998	0.000448269	0.000555062	0.000219877	0.22667329	3.47006E-06	0.000621282	0.000700534	0.001926973	0.0005458
2101 Aug	0.001288459	0.116355695	1.04647E-05	3.591151714	6.035210609	0.059901115	0.000908524	27.52883339	0.003192824	0.010243009	0.000448988	0.000556059	0.000220274	0.227082372	3.47585E-06	0.000622479	0.000701687	0.001930193	0.000546933
2101 Sep	0.001288175	0.116325289	1.04643E-05	3.591217756	6.033706188	0.059884731	0.000908526	27.51357079	0.003192106	0.010240307	0.000448775	0.000555928	0.00022024	0.227063671	3.47423E-06	0.000622586	0.000701408	0.001929461	0.000547107
2101 Oct	0.001288056	0.116332404	1.04639E-05	3.591597795	6.032566071	0.059884213	0.000908527	27.49527168	0.003191565	0.010239506	0.000448774	0.000555821	0.000220214	0.227066353	3.47284E-06	0.000622715	0.00070135	0.001929024	0.000547084
2101 Nov	0.001287359	0.116297841	1.04588E-05	3.590611696	6.028190613	0.059857372	0.000908147	27.45491409	0.003189374	0.010234492	0.000448602	0.000555408	0.000220075	0.226971313	3.46936E-06	0.000622629	0.000700968	0.001927591	0.000546724
2101 Dec	0.001287314	0.116298467	1.04585E-05	3.590574265	6.02774334	0.059855357	0.000908125	27.44981003	0.003189158	0.010234323	0.000448594	0.000555362	0.00022006	0.226964459	3.46901E-06	0.00062263	0.000700938	0.001927465	0.000546673
2102 Jan	0.001287317	0.116299063	1.04585E-05	3.590584993	6.027748108	0.059855592	0.000908126	27.4496994	0.00318916	0.010234351	0.000448596	0.000555362	0.00022061	0.226965025	3.469E-06	0.000622632	0.00070094	0.001927466	0.000546672
2102 Feb	0.001287326	0.116300017	1.04586E-05	3.590607882	6.027787209	0.059856091	0.000908131	27.44984245	0.003189179	0.010234418	0.000448599	0.000555365	0.000220062	0.226966545	3.46902E-06	0.000622636	0.000700946	0.001927478	0.000546675
2102 Mar	0.001287352	0.116302527	1.04588E-05	3.590681791	6.027911186	0.059857387	0.00090815	27.45039558	0.003189245	0.010234631	0.000448609	0.000555376	0.000220066	0.226971239	3.46909E-06	0.000622648	0.000700961	0.001927517	0.000546686
2102 Apr	0.00128749	0.116314963	1.04599E-05	3.591063499	6.028553009	0.059863787	0.000908246	27.45331192	0.003189584	0.01023572	0.000448657	0.000555435	0.00022009	0.226995409	3.46946E-06	0.000622714	0.000701036	0.001927722	0.000546744
2102 May	0.001288151	0.116374679	1.04653E-05	3.592912674	6.031652451	0.059894588	0.000908713	27.4674015	0.003191223	0.010240966	0.000448887	0.000555721	0.000220203	0.227112234	3.47124E-06	0.000623035	0.000701396	0.001928711	0.000547027
2102 Jun	0.001284706	0.116206795	1.04514E-05	3.587489843	6.010147095	0.059742164	0.000906251	27.28777885	0.003181684	0.010223034	0.000447865	0.000554323	0.00021955	0.226591796	3.45788E-06	0.000622417	0.000700182	0.001925895	0.000545259
2102 Jul	0.001283928	0.116198041	1.04542E-05	3.587459564	6.003893375	0.059702411	0.000905695	27.22130966	0.003179392	0.010221868	0.000447558	0.000554092	0.000219394	0.226496801	3.45396E-06	0.000622592	0.000700053	0.00192615	0.000544973
2102 Aug	0.001285317	0.116313934	1.0467E-05	3.591974497	6.010484695	0.059763096	0.000906816	27.24786568	0.003182983	0.010232466	0.000447946	0.000554733	0.000219653	0.226765603	3.45737E-06	0.00062345	0.000700716	0.001928145	0.000545815
2102 Sep	0.001285557	0.116330832	1.0471E-05	3.59326458	6.011272907	0.059767302	0.000907119	27.2450943	0.003183577	0.010234663	0.000447916	0.000554848	0.0002197	0.226825163	3.45754E-06	0.000623747	0.000700755	0.001928499	0.000546096
2102 Oct	0.001283643	0.11616531	1.04604E-05	3.588899374	6.00020504	0.059653975	0.000905946	27.17389679	0.003178285	0.010222271	0.000446995	0.000553937	0.000219333	0.226491466	3.45102E-06	0.000623125	0.00069953	0.001925812	0.000545341
2102 Nov	0.001283705	0.116171412	1.04611E-05	3.589092255	6.000344276	0.0596551	0.000905995	27.1734333	0.003178387	0.010222964	0.000447001	0.000553953	0.000219339	0.226500869	3.45111E-06	0.000623163	0.00069955	0.001925908	0.00054536
2102 Dec	0.001283731	0.116173767	1.04613E-05	3.58916235	6.000461578	0.059656251	0.000906014	27.17395782	0.003178449	0.010223176	0.000447009	0.000553963	0.000219344	0.226505309	3.45118E-06	0.000623175	0.000699563	0.001925946	0.00054537
2103 Jan	0.001283737	0.116174452	1.04614E-05	3.589179516	6.000490665	0.059656579	0.000906018	27.1740818	0.003178464	0.010223231	0.000447012	0.000553966	0.000219345	0.226506427	3.4512E-06	0.000623177	0.000699567	0.001925956	0.000545372
2103 Feb	0.001283754	0.116176099	1.04615E-05	3.589226723	6.000570774	0.059657432	0.00090603	27.17443275	0.003178506	0.010223368	0.000447018	0.000553973	0.000219348	0.226509437	3.45124E-06	0.000623185	0.000699577	0.001925981	0.000545379
2103 Mar	0.001283792	0.116179518	1.04618E-05	3.589330435	6.000745296	0.059659194	0.000906056	27.17521667	0.003178598	0.010223664	0.000447031	0.000553989	0.000219354	0.226516008	3.45134E-06	0.000623203	0.000699598	0.001926036	0.000545395
2103 Apr	0.001283983	0.116196834	1.04634E-05	3.589864254	6.001637936	0.059668083	0.00090619	27.17925644	0.003179071	0.010225185	0.000447097	0.000554071	0.000219387	0.226549715	3.45185E-06	0.000623296	0.000699702	0.001926323	0.000545476
2103 May	0.001284263	0.116319135	1.04666E-05	3.591467381	6.001303673	0.059718497	0.000906143	27.14613342	0.003178914	0.010229124	0.000447629	0.000554037	0.00021991	0.2266265	3.45043E-06	0.000623553	0.000700305	0.001926785	0.000545222
2103 Jun	0.001280953	0.116365179	1.04456E-05	3.585253239	5.980991364	0.059707884	0.000902906	26.94748688	0.003168011	0.010208019	0.000447945	0.000552175	0.000218709	0.226160586	3.43381E-06	0.000622395	0.000700239	0.001922149	0.000543016
2103 Jul	0.001281723	0.116466552	1.04549E-05	3.588376284	5.98402071	0.059753828	0.000903432	26.94586754	0.003169778	0.010214713	0.000448262	0.000552535	0.000218846	0.22632958	3.43474E-06	0.00062301	0.000700792	0.001923468	0.000543542
2103 Aug	0.001281881	0.116515316	1.04599E-05	3.589631796	5.983258247	0.059761319	0.000903467	26.92285347	0.003169646	0.010216737	0.000448309	0.000552516	0.000218851	0.22637099	3.43366E-06	0.000623301	0.000700817	0.001923622	0.000543707
2103 Sep	0.001281328	0.116479024	1.04579E-05	3.589109182	5.979494572	0.059729729	0.00090322	26.88776779	0.003167902	0.010212997	0.000448035	0.000552202	0.000218744	0.22629787	3.43072E-06	0.000623325	0.000700393	0.001922529	0.000543606
2103 Oct	0.001279473	0.116337501	1.04461E-05	3.584897995	5.967909336	0.059622955	0.000902065	26.80497551	0.003162205	0.010200678	0.000447226	0.000551142	0.000218355	0.225970045	3.42334E-06	0.000622733	0.00069911	0.001919239	0.000542704
2103 Nov	0.001279014	0.116300993	1.04432E-05	3.583812952	5.964858055	0.059593353	0.000901793	26.78300095	0.003160713	0.010197822	0.000446999	0.000550855	0.000218251	0.225884438	3.42144E-06	0.000622582	0.000698756	0.001918376	0.000542459
2103 Dec	0.001279028	0.116302416	1.04434E-05	3.583853245	5.964913368	0.059593916	0.000901803	26.78316116	0.003160744	0.010197953	0.000447003	0.00055086	0.000218253	0.225886837	3.42147E-06	0.000622589	0.000698763	0.001918396	0.000542464
2104 Jan	0.001279031	0.116302758	1.04434E-05	3.583858728	5.96491909	0.059594035	0.000901804	26.7831459	0.003160747	0.010197976	0.000447004	0.000550861	0.000218254	0.225887164	3.42147E-06	0.00062259	0.000698764	0.001918399	0.000542464
2104 Feb	0.001279037	0.116303466	1.04434E-05	3.583876133	5.964947701	0.059594397	0.000901808	26.7832489	0.003160761	0.010198028	0.000447007	0.000550863	0.000218254	0.225888282	3.42149E-06	0.000622593	0.000698768	0.001918407	0.000542466
2104 Mar	0.001279077	0.116307132	1.04438E-05	3.583986282	5.96513176	0.059596278	0.000901836	26.78406715	0.003160858	0.010198344	0.00044702	0.00055088	0.000218261	0.225895271	3.42159E-06	0.000622612	0.00069879	0.001918466	0.000542482
2104 Apr	0.001279378	0.116334528	1.04462E-05	3.584829092	5.966535091	0.059610315	0.000902048	26.79036522	0.003161601	0.010200743	0.000447126	0.000551009	0.000218312	0.225948423	3.4224E-06	0.000622758	0.000698955	0.001918917	0.00054261
2104 May	0.001279452	0.116503231	1.04472E-05	3.584907293	5.963975906	0.059673179	0.000901495	26.73683929	0.003159839	0.010203806	0.000447815	0.000550591	0.00021821	0.225953132	3.41914E-06	0.000622594	0.000699631	0.001918573	0.000541941
2104 Jun	0.00127656	0.116532907	1.04269E-05	3.577545166	5.946263313	0.059657864	0.000898477	26.57970238	0.003149669	0.010184115	0.000447968	0.000548704	0.000217566	0.225479692	3.4048E-06	0.000621079	0.000699332	0.001913553	0.000540014
2104 Jul	0.001278095	0.116686091	1.04411E-05	3.58234477	5.953204155	0.059734076	0.000899564	26.60367775	0.003153392	0.010196395	0.000448505	0.000549376	0.000217833	0.225769043	3.40826E-06	0.000621955	0.000700212	0.001915852	0.000540832
2104 Aug	0.001279231	0.116785981	1.0452E-05	3.586204767	5.958502293	0.059785999	0.000900488	26.62207794	0.003156267	0.010204869	0.000448831	0.000549885	0.000218045	0.22599563	3.41075E-06	0.000622699	0.000700747	0.001917377	0.000541571
2104 Sep	0.001278516	0.116749041	1.04487E-05	3.584977865	5.953975201	0.059755608	0.000900047	26.58321953	0.003153981	0.010199787	0.000448569	0.000549448	0.000217903	0.22588934	3.40729E-06	0.000622542	0.000700307	0.001915991	0.000541344
2104 Oct	0.001277287	0.116672412	1.04408E-05	3.58197403	5.946051121	0.059692226	0.000899216	26.52439499	0.003149934	0.010191816	0.000448092	0.000548665	0.000217629	0.225666329	3.40204E-06	0.000622067	0.00069952	0.001913667	0.000540677
2104 Nov	0.00127701	0.116655901	1.04391E-05	3.581269979	5.944075584	0.059675939	0.000899034	26.50917435	0.003148936	0.010190227	0.00044797	0.000548465	0.000217561	0.225612536	3.40076E-06	0.000621956	0.00069932	0.001913106	0.000540501
2104 Dec	0.001277031	0.116657808	1.04393E-05	3.581325531	5.944167614	0.059676852	0.000899048	26.5095787	0.003148985	0.010190398	0.000447977	0.000548473	0.000217564	0.225616038	3.40081E-06	0.000621965	0.000699331	0.001913137	0.000540509
2105 Jan	0.001277033	0.116658002	1.04393E-05	3.581327915	5.944172382	0.059676934	0.000899049	26.50959015	0.003148986	0.010190411	0.000447977	0.000548473	0.000217564	0.225616232	3.40082E-06	0.000621965	0.000699332	0.001913138	0.000540509
2105 Feb	0.00127704	0.116658784	1.04394E-05	3.581347942	5.944206715	0.05967734	0.000899053	26.5097332	0.003149004	0.01019047	0.0004479 8	0.000548476	0.000217565	0.225617543	3.40083E-06	0.000621969	0.000699336	0.001913149	0.000540512
2105 Mar	0.001277054	0.116660111	1.04395E-05	3.581386566	5.944271564	0.059678022	0.000899063	26.5100174	0.003149038	0.010190582	0.000447985	0.000548482	0.000217567	0.225620002	3.40087E-06	0.000621975	0.000699344	0.00191317	0.000540518
2105 Apr	0.001277219	0.116675206	1.04408E-05	3.581848621	5.945038795	0.059685744	0.000899179	26.51343536	0.003149444	0.010191897	0.000448043	0.000548553	0.000217596	0.225649133	3.40131E-06	0.000622055	0.000699435	0.001913417	0.000540587
2105 May	0.001277293	0.116812617	1.04417E-05	3.581977606	5.943217754	0.059740007	0.000898761	26.47182655	0.003148092	0.010194201	0.000448614	0.000548221	0.000217521	0.22566025	3.3987E-06	0.00062193	0.0007	0.001913098	0.000540092
2105 Jun	0.001276803	0.116957791	1.0439E-05	3.580863237	5.938220501	0.059795894	0.000897772	26.40057373	0.003144864	0.010192367	0.000449224	0.000547556	0.000217334	0.225591317	3.39321E-06	0.000621553	0.000700554	0.00191182	0.00053934
2105 Jul	0.001278484	0.117110625	1.04541E-05	3.586148739	5.946061134	0.059874393	0.000899029	26.43104172	0.003149075	0.010205291	0.000449765	0.00054831	0.000217636	0.225910068	3.3972E-06	0.000622537	0.000701426	0.001914224	0.000540284
2105 Aug	0.001278071	0.117107645	1.04537E-05	3.586252928	5.942994595	0.059863564	0.000898808	26.39404869	0.003147571	0.010201697	0.000449646	0.000548018	0.00021756	0.225877866	3.39407E-06	0.000622657	0.000701122	0.001913096	0.00054033
2105 Sep	0.001276557	0.117011189	1.04445E-05	3.583499432	5.933656216	0.059793435	0.000897926	26.31785583	0.003142895	0.010190396	0.000449111	0.000547105	0.000217263	0.225646406	3.38727E-06	0.000622302	0.000700093	0.001910053	0.000539687
2105 Oct	0.001275325	0.116909318	1.04357E-05	3.581354141	5.926132202	0.059723906	0.000897351	26.25858688	0.003139199	0.01018121	0.000448583	0.000546391	0.000217022	0.225457266	3.38188E-06	0.000622093	0.000699145	0.001907449	0.00053917
2105 Nov	0.001274853	0.116869003	1.04323E-05	3.580472231	5.923136234	0.059694998	0.000897136	26.23533821	0.003137736	0.010177848	0.000448365	0.000546103	0.000216924	0.22538057	3.37982E-06	0.000622001	0.00069876	0.001906434	0.000538944
2105 Dec	0.001274862	0.116869822	1.04323E-05	3.580496073	5.923161983	0.059695281	0.000897142	26.23535347	0.003137751	0.010177924	0.000448368	0.000546105	0.000216925	0.225381896	3.37983E-06	0.000622005	0.000698763	0.001906444	0.000538946
2106 Jan	0.001274863	0.116870098	1.04323E-05	3.58050108	5.923165321	0.059695374	0.000897143	26.23531532	0.003137752	0.01017794	0.000448368	0.000546105	0.000216925	0.225382179	3.37983E-06	0.000622006	0.000698764	0.001906444	0.000538945
2106 Feb	0.001274866	0.116870508	1.04324E-05	3.580509186	5.923178196	0.059695579	0.000897145	26.23533821	0.003137758	0.010177964	0.00044837	0.000546106	0.000216926	0.225382715	3.37983E-06	0.000622007	0.000698766	0.001906448	0.000538946
2106 Mar	0.001274886	0.11687237	1.04325E-05	3.580563784	5.923268795	0.059696533	0.000897158	26.23573303	0.003137805	0.010178121	0.000448377	0.000546114	0.000216929	0.225386173	3.37989E-06	0.000622016	0.000698777	0.001906477	0.000538954
2106 Apr	0.001275103	0.116892278	1.04343E-05	3.581172228	5.924275875	0.059706703	0.000897311	26.24019051	0.003138339	0.010179851	0.000448453	0.000546207	0.000216966	0.225424483	3.38046E-06	0.000622122	0.000698896	0.001906801	0.000539046
2106 May	0.001275732	0.116986364	1.04392E-05	3.583146095	5.926561832	0.05975097	0.000897669	26.2384243	0.00313947	0.010185162	0.000448845	0.000546373	0.000217052	0.225543693	3.38117E-06	0.000622448	0.000699369	0.001907526	0.000539156
2106 Jun	0.001272842	0.117017701	1.04185E-05	3.577357292	5.908038139	0.059731495	0.000894956	26.05789185	0.003129317	0.010165788	0.000449052	0.000544484	0.000216417	0.225117326	3.36582E-06	0.000621369	0.000698961	0.001902338	0.000537097
2106 Jul	0.001274202	0.117166877	1.04327E-05	3.582098722	5.913750648	0.059800778	0.000895932	26.06892014	0.003132524	0.010177267	0.000449535	0.000545087	0.000216652	0.225387201	3.36836E-06	0.00062227	0.000699786	0.0019045	0.000537873
2106 Aug	0.001274067	0.117172286	1.04355E-05	3.58306694	5.911832333	0.05978955	0.000895952	26.03918266	0.003131864	0.010176465	0.000449403	0.000544973	0.000216627	0.225398004	3.36638E-06	0.000622576	0.000699546	0.001904077	0.000538053
2106 Sep	0.001272789	0.117069781	1.04294E-05	3.581045628	5.903873444	0.059715815	0.000895308	25.97590065	0.003128162	0.010167412	0.000448808	0.00054428	0.000216388	0.225205168	3.36103E-06	0.000622384	0.00069856	0.001901823	0.0005376
2106 Oct	0.001272453	0.117039189	1.04278E-05	3.580755711	5.901429653	0.05969055	0.000895221	25.95357895	0.003127081	0.010165233	0.000448604	0.00054407	0.000216318	0.225157902	3.35927E-06	0.000622419	0.000698222	0.001901079	0.000537485
2106 Nov	0.001272573	0.117050283	1.04288E-05	3.58110261	5.901973724	0.059696008	0.000895309	25.95580673	0.003127372	0.010166211	0.000448645	0.00054412	0.000216338	0.2251793	3.35957E-06	0.000622481	0.000698286	0.001901256	0.000537536
2106 Dec	0.00127259	0.117051788	1.04289E-05	3.581146717	5.902046204	0.059696734	0.00089532	25.95612144	0.003127411	0.010166345	0.000448651	0.000544126	0.000216341	0.225182086	3.35962E-06	0.000622488	0.000698294	0.00190128	0.000537542
2107 Jan	0.001272593	0.117052138	1.0429E-05	3.581154823	5.902060509	0.059696898	0.000895322	25.95617676	0.003127418	0.010166373	0.000448652	0.000544128	0.000216341	0.225182623	3.35962E-06	0.00062249	0.000698296	0.001901284	0.000537543
2107 Feb	0.001272607	0.117053449	1.04291E-05	3.581192017	5.902122498	0.059697568	0.000895331	25.95644188	0.00312745	0.010166481	0.000448657	0.000544133	0.000216344	0.225184992	3.35966E-06	0.000622496	0.000698304	0.001901304	0.000537549
2107 Mar	0.001272653	0.117057741	1.04294E-05	3.581321955	5.902337074	0.059699759	0.000895364	25.9573822	0.003127563	0.010166849	0.000448673	0.000544153	0.000216351	0.225193173	3.35978E-06	0.000622518	0.00069833	0.001901373	0.000537568

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2107 Apr	0.001272761	0.117067695	1.04303E-05	3.5816257	5.902837276	0.05970484	0.000895439	25.95958138	0.003127828	0.010167712	0.000448711	0.000544199	0.00021637	0.225212276	3.36006E-06	0.000622571	0.000698389	0.001901534	0.000537614
2107 May	0.001272762	0.117127374	1.04306E-05	3.582035303	5.901876926	0.059729412	0.000895289	25.93632126	0.003127227	0.010168239	0.000448977	0.000544061	0.000216342	0.225228369	3.35858E-06	0.000622617	0.000698617	0.001901319	0.000537421
2107 Jun	0.00127179	0.117232583	1.04249E-05	3.580698013	5.894257069	0.059762709	0.000894102	25.84113312	0.003122943	0.010162543	0.000449458	0.000543236	0.000216091	0.225110173	3.35125E-06	0.000622306	0.000698864	0.001899384	0.000536479
2107 Jul	0.001272944	0.11734724	1.04363E-05	3.584658146	5.899309635	0.059818029	0.000894964	25.85461807	0.003125733	0.010171556	0.000449834	0.000543743	0.000216297	0.225338206	3.35354E-06	0.000623069	0.000699463	0.001901018	0.000537182
2107 Aug	0.001274572	0.117497116	1.04507E-05	3.589685678	5.906763554	0.059893776	0.000896172	25.88300705	0.00312974	0.010184225	0.000450371	0.000544445	0.000216583	0.22564213	3.35741E-06	0.000623992	0.000700298	0.001903327	0.000538021
2107 Sep	0.00127506	0.117539056	1.04557E-05	3.591684818	5.908810616	0.059913367	0.000896657	25.88523102	0.0031309	0.010187898	0.000450471	0.000544645	0.000216673	0.225749597	3.35804E-06	0.000624416	0.000700475	0.001903822	0.000538406
2107 Oct	0.001274517	0.117501788	1.04522E-05	3.591049194	5.905275345	0.059884705	0.000896419	25.85301399	0.003129208	0.010183943	0.00045026	0.000544327	0.000216566	0.225676015	3.35528E-06	0.000624407	0.000700074	0.001902643	0.000538199
2107 Nov	0.001274288	0.117486231	1.04506E-05	3.590728998	5.903738022	0.059872065	0.000896312	25.83936691	0.003128472	0.010182356	0.000450172	0.000544187	0.000216518	0.225642309	3.35415E-06	0.00062439	0.000699902	0.001902151	0.000538087
2107 Dec	0.001274303	0.117487632	1.04507E-05	3.590768814	5.903803825	0.059872713	0.000896322	25.83964729	0.003128507	0.010182482	0.000450176	0.000544192	0.000216521	0.225644827	3.35418E-06	0.000624396	0.000699909	0.001902173	0.000538093
2108 Jan	0.001274309	0.117488302	1.04508E-05	3.590785742	5.903831005	0.059873037	0.000896326	25.83975792	0.003128521	0.010182535	0.000450179	0.000544195	0.000216522	0.2256459	3.3542E-06	0.000624399	0.000699913	0.001902182	0.000538095
2108 Feb	0.001274315	0.117488906	1.04508E-05	3.590800285	5.903855324	0.059873346	0.00089633	25.83983994	0.003128533	0.010182578	0.000450181	0.000544197	0.000216522	0.225646853	3.35421E-06	0.000624402	0.000699917	0.001902189	0.000538097
2108 Mar	0.001274367	0.117493771	1.04513E-05	3.590946913	5.90409708	0.059875827	0.000896366	25.84089088	0.003128661	0.010182994	0.000450199	0.000544219	0.000216531	0.225656092	3.35435E-06	0.000624427	0.000699946	0.001902266	0.000538119
2108 Apr	0.001274781	0.117532112	1.04546E-05	3.592114687	5.906016827	0.059895415	0.000896657	25.84926414	0.003129676	0.010186296	0.000450346	0.000544395	0.000216601	0.225729525	3.35543E-06	0.00062463	0.000700174	0.001902882	0.000538294
2108 May	0.001275665	0.117618561	1.04619E-05	3.594617367	5.910097599	0.059939794	0.000897263	25.86608887	0.003131809	0.010193321	0.000450674	0.000544764	0.00021675	0.225887701	3.35765E-06	0.00062506	0.000700685	0.001904173	0.000538663
2108 Jun	0.001274546	0.11768543	1.04591E-05	3.593025446	5.90059185	0.059929501	0.000896016	25.76156998	0.003127248	0.010189765	0.000450784	0.000543991	0.000216451	0.225715145	3.3506E-06	0.000624789	0.000700724	0.001903075	0.000537621
2108 Jul	0.00127663	0.117892794	1.04786E-05	3.599456787	5.909696579	0.060027853	0.000897483	25.792099	0.003132272	0.010207335	0.000451503	0.000544904	0.000216803	0.226097956	3.35553E-06	0.000625955	0.000701928	0.001906436	0.000538586
2108 Aug	0.001279031	0.118106134	1.0499E-05	3.606618166	5.921012878	0.060138993	0.000899269	25.8405056	0.003138302	0.010226022	0.000452295	0.000545963	0.000217228	0.226539835	3.36167E-06	0.000627248	0.000703188	0.001909929	0.000539779
2108 Sep	0.001279393	0.118128061	1.0503E-05	3.608239412	5.922848225	0.060152233	0.000899684	25.84569931	0.003139332	0.010228385	0.000452327	0.000546154	0.000217309	0.226627693	3.36226E-06	0.000627607	0.000703296	0.001910308	0.000540184
2108 Oct	0.001277755	0.117987335	1.0493E-05	3.604940653	5.912986279	0.060053408	0.000898803	25.75729716	0.003134609	0.010217471	0.000451543	0.000545308	0.000216987	0.226355255	3.35594E-06	0.000627213	0.000702148	0.001907556	0.000539523
2108 Nov	0.00127761	0.117977351	1.04924E-05	3.60471797	5.911719799	0.060041182	0.000898742	25.76392174	0.003134047	0.010216929	0.00045145	0.000545199	0.000216948	0.226328328	3.35514E-06	0.000627203	0.000702013	0.001907279	0.000539426
2108 Dec	0.00127763	0.117979266	1.04926E-05	3.60477376	5.911811352	0.060042094	0.000898756	25.76431274	0.003134096	0.010217099	0.000451457	0.000545207	0.000216951	0.22633183	3.3552E-06	0.000627212	0.000702024	0.001907309	0.000539434
2109 Jan	0.001277635	0.117979728	1.04926E-05	3.604784012	5.911828995	0.060042307	0.000898759	25.7643795	0.003134104	0.010217135	0.000451458	0.000545209	0.000216952	0.226332501	3.35521E-06	0.000627214	0.000702026	0.001907315	0.000539435
2109 Feb	0.001277645	0.117980786	1.04927E-05	3.604812622	5.911876678	0.060042854	0.000898765	25.76457977	0.003134129	0.010217218	0.000451462	0.000545213	0.000216953	0.226334348	3.35523E-06	0.000627219	0.000702033	0.00190733	0.000539439
2109 Mar	0.001277702	0.117986105	1.04932E-05	3.604973078	5.912140369	0.060045563	0.000898805	25.76572227	0.003134269	0.010217674	0.000451482	0.000545237	0.000216963	0.226344436	3.35538E-06	0.000627246	0.000702064	0.001907415	0.000539463
2109 Apr	0.001277981	0.118011929	1.04955E-05	3.605760098	5.913432121	0.060058713	0.000899001	25.77134514	0.003134953	0.010219906	0.000451581	0.000545356	0.00021701	0.226393893	3.35611E-06	0.000627383	0.000702218	0.001907831	0.000539581
2109 May	0.001278269	0.118142538	1.04989E-05	3.606642246	5.912852764	0.060109239	0.000898837	25.74035263	0.003134456	0.010224139	0.000452082	0.000545216	0.000216988	0.226443753	3.35464E-06	0.000627437	0.000702807	0.001908115	0.000539295
2109 Jun	0.001278485	0.118353739	1.05033E-05	3.607460976	5.910526752	0.06018889	0.000898313	25.67876053	0.00313287	0.010229397	0.000452876	0.000544861	0.000216904	0.226485342	3.35115E-06	0.000627401	0.000703753	0.001908279	0.000538741
2109 Jul	0.001279563	0.118470848	1.05145E-05	3.611244917	5.914935589	0.060242116	0.000899085	25.68604279	0.003135331	0.010238077	0.000453242	0.000545309	0.000217088	0.226698831	3.35296E-06	0.000628132	0.00070433	0.001909786	0.000539392
2109 Aug	0.001280764	0.118606202	1.05264E-05	3.615049362	5.919462681	0.060299516	0.000899869	25.69281578	0.003137846	0.010248085	0.000453671	0.000545733	0.000217272	0.226916745	3.35503E-06	0.000628831	0.000704941	0.001911401	0.000539939
2109 Sep	0.001280485	0.118587315	1.05257E-05	3.615539074	5.917348862	0.060282614	0.000899895	25.66568565	0.003136938	0.01024577	0.000453508	0.000545567	0.000217226	0.226906329	3.3528E-06	0.000629063	0.000704645	0.001910556	0.000540021
2109 Oct	0.001278682	0.118448988	1.05131E-05	3.61224556	5.90584898	0.060178835	0.000898948	25.57443428	0.003131353	0.010233173	0.000452755	0.000544512	0.000216854	0.226615861	3.34482E-06	0.000628725	0.000703306	0.001906919	0.000539162
2109 Nov	0.001278675	0.118450254	1.05132E-05	3.612339258	5.905472279	0.060175579	0.000898972	25.56920433	0.003131201	0.010233372	0.000452733	0.000544474	0.000216844	0.226614416	3.34452E-06	0.00062876	0.000703259	0.001906816	0.000539135
2109 Dec	0.001278701	0.118452661	1.05134E-05	3.612410307	5.90558815	0.060176745	0.00089899	25.56970215	0.003131263	0.010233586	0.000452742	0.000544485	0.000216848	0.226618886	3.34458E-06	0.000628772	0.000703273	0.001906854	0.000539146
2110 Jan	0.001278713	0.118453749	1.05135E-05	3.612439871	5.905637741	0.060177281	0.000898997	25.56990623	0.003131289	0.010233674	0.000452745	0.000544489	0.00021685	0.226620778	3.34461E-06	0.000628777	0.000703279	0.00190687	0.00053915
2110 Feb	0.001278727	0.118455134	1.05136E-05	3.612478971	5.905702114	0.060177993	0.000899007	25.57017899	0.003131322	0.010233787	0.000452751	0.000544495	0.000216852	0.226623267	3.34465E-06	0.000628783	0.000703288	0.00190689	0.000539156
2110 Mar	0.001278767	0.118458927	1.0514E-05	3.612592697	5.905889034	0.060179923	0.000899035	25.57098007	0.003131421	0.01023411	0.000452765	0.000544512	0.000216859	0.226630405	3.34475E-06	0.000628803	0.00070331	0.00190695	0.000539172
2110 Apr	0.001278936	0.118474603	1.05153E-05	3.613069534	5.906668663	0.060187884	0.000899153	25.57435226	0.003131834	0.010235461	0.000452825	0.000544584	0.000216888	0.226660341	3.34519E-06	0.000628886	0.000703403	0.001907202	0.000539244
2110 May	0.001279439	0.118547186	1.0519E-05	3.614968538	5.908622265	0.060223985	0.000899495	25.57178307	0.003132855	0.010239435	0.000453152	0.000544752	0.000216967	0.226768687	3.34567E-06	0.00062924	0.00070378	0.001907761	0.000539375
2110 Jun	0.001277587	0.118646093	1.05021E-05	3.61501646	5.89649868	0.060265806	0.000898053	25.40572357	0.003126393	0.01022472	0.000453946	0.00054362	0.000216617	0.226652563	3.33225E-06	0.000629521	0.000703915	0.001903593	0.000538072
2110 Jul	0.001278844	0.118777603	1.05144E-05	3.619532347	5.901974678	0.060329542	0.000898999	25.41745377	0.003129464	0.010234858	0.000454402	0.000544198	0.000216843	0.226908758	3.33465E-06	0.000630399	0.000704648	0.0019055	0.000538803
2110 Aug	0.001276616	0.118624158	1.05018E-05	3.615738869	5.888585091	0.0602195	0.000897545	25.31230164	0.003123085	0.010217759	0.000453605	0.000543066	0.000216436	0.226570919	3.32537E-06	0.000629991	0.000703124	0.001901602	0.000538014
2110 Sep	0.001274414	0.118414491	1.04876E-05	3.611964703	5.875858784	0.060086504	0.000896523	25.2198391	0.003117071	0.01020078	0.000452559	0.000541948	0.000216043	0.226235732	3.31685E-06	0.000629638	0.000701344	0.00189744	0.00053727
2110 Oct	0.001272264	0.118203647	1.04725E-05	3.60747695	5.862656593	0.059941862	0.000895496	25.12846756	0.00311075	0.010185512	0.000451443	0.000540732	0.000215611	0.225865692	3.30858E-06	0.000629115	0.000699511	0.001893226	0.000536296
2110 Nov	0.001271732	0.118147336	1.04687E-05	3.606389761	5.859482288	0.059904896	0.000895269	25.10710335	0.003109227	0.010181638	0.000451149	0.00054044	0.000215507	0.225775719	3.30657E-06	0.000628998	0.000699044	0.001892157	0.000536085
2110 Dec	0.001271749	0.118148968	1.04688E-05	3.606441021	5.859549999	0.059905548	0.000895283	25.10729599	0.003109265	0.010181792	0.000451154	0.000540446	0.000215509	0.225778699	3.3066E-06	0.000629008	0.000699051	0.001892181	0.000536091
2111 Jan	0.001271754	0.118149422	1.04689E-05	3.606453419	5.859563828	0.059905723	0.000895286	25.10729599	0.003109273	0.01018183	0.000451155	0.000540447	0.00021551	0.225779414	3.30661E-06	0.00062901	0.000699053	0.001892185	0.000536092
2111 Feb	0.001271757	0.118149854	1.04689E-05	3.606463432	5.859578133	0.059905931	0.000895288	25.10732651	0.00310928	0.010181858	0.000451157	0.000540448	0.00021551	0.225780025	3.30662E-06	0.000629011	0.000699055	0.001892189	0.000536092
2111 Mar	0.001271836	0.118157268	1.04695E-05	3.606687546	5.859941959	0.059909694	0.000895344	25.10887527	0.003109472	0.010182492	0.000451185	0.000540481	0.000215523	0.225794077	3.30682E-06	0.00062905	0.000699099	0.001892306	0.000536126
2111 Apr	0.001272144	0.118185893	1.04721E-05	3.607559681	5.861359596	0.059924204	0.00089556	25.11494637	0.003110224	0.010184956	0.000451294	0.000540612	0.000215576	0.225848705	3.30762E-06	0.000629202	0.000699268	0.001892764	0.000536255
2111 May	0.001272571	0.118283138	1.04755E-05	3.608744144	5.862122059	0.059964072	0.000895673	25.10133171	0.003110476	0.010189229	0.000451673	0.000540595	0.000215601	0.225920752	3.30732E-06	0.000629351	0.000699686	0.001893091	0.000536165
2111 Jun	0.001270791	0.118373089	1.04624E-05	3.603953838	5.849061012	0.059972234	0.000893608	24.97126579	0.003102889	0.010178622	0.000452017	0.000539069	0.000215118	0.22560823	3.29646E-06	0.000628287	0.000699612	0.001889345	0.000534478
2111 Jul	0.00127312	0.118593201	1.04827E-05	3.610851526	5.859689713	0.060082372	0.000895267	25.01345062	0.003108582	0.010197343	0.000452821	0.000540076	0.000215517	0.226031601	3.30224E-06	0.00062952	0.000700898	0.001892844	0.000535567
2111 Aug	0.001272375	0.118550062	1.04802E-05	3.609974384	5.854721546	0.060045313	0.000894839	24.96813583	0.003106194	0.010191423	0.000452496	0.000539619	0.000215376	0.225930452	3.29829E-06	0.000629484	0.000700286	0.001891218	0.000535458
2111 Sep	0.001271998	0.118529938	1.04795E-05	3.609769106	5.851653099	0.060022265	0.000894712	24.93645668	0.003104796	0.010188895	0.000452298	0.000539316	0.000215293	0.22588186	3.29591E-06	0.000629524	0.000699893	0.001890267	0.000535329
2111 Oct	0.001270533	0.118393712	1.04689E-05	3.607119083	5.843239307	0.059936874	0.000894042	24.87523651	0.003100701	0.010177614	0.000451636	0.000538543	0.000215024	0.225656688	3.29011E-06	0.000629254	0.000698754	0.001887351	0.000534783
2111 Nov	0.001269612	0.118307695	1.04621E-05	3.605231524	5.837638378	0.059878767	0.000893603	24.83535957	0.003097976	0.010170954	0.000451194	0.000538014	0.000214839	0.225502074	3.28647E-06	0.000629031	0.000698002	0.001885492	0.000534354
2111 Dec	0.001269621	0.118308648	1.04622E-05	3.605264902	5.837633133	0.059878696	0.000893613	24.83493423	0.00309798	0.010171068	0.000451194	0.000538012	0.00021484	0.225503325	3.28646E-06	0.000629038	0.000698	0.001885494	0.000534352
2112 Jan	0.001269625	0.118309155	1.04623E-05	3.605278015	5.837646484	0.059878889	0.000893617	24.83491135	0.003097987	0.010171104	0.000451196	0.000538013	0.00021484	0.225504056	3.28647E-06	0.00062904	0.000698002	0.001885498	0.000534352
2112 Feb	0.001269638	0.118310474	1.04624E-05	3.605314732	5.837702274	0.059879556	0.000893625	24.8351059	0.003098016	0.010171206	0.0004512	0.000538018	0.000214842	0.225506365	3.2865E-06	0.000629047	0.00069801	0.001885515	0.000534357
2112 Mar	0.001269731	0.118319206	1.04631E-05	3.605578184	5.838129044	0.059883974	0.00089369	24.83691216	0.003098242	0.01017195	0.000451234	0.000538057	0.000214858	0.225522861	3.28674E-06	0.000629093	0.000698061	0.001885653	0.000534396
2112 Apr	0.001269997	0.118344001	1.04653E-05	3.606331825	5.8393507	0.059896529	0.000893877	24.84210396	0.00309889	0.010174078	0.000451328	0.000538169	0.000214903	0.225570023	3.28742E-06	0.000629224	0.000698207	0.001886047	0.000534508
2112 May	0.001270321	0.118469097	1.0467E-05	3.607848167	5.839440346	0.059953969	0.000893884	24.81231308	0.003098703	0.010177125	0.00045192	0.000538066	0.000214912	0.225654423	3.28586E-06	0.000629444	0.000698756	0.001885994	0.000534269
2112 Jun	0.001265986	0.118449211	1.04318E-05	3.598487377	5.814912319	0.05992822	0.000889923	24.59053421	0.00308473	0.010144169	0.000452188	0.000535491	0.000214048	0.225026265	3.2651E-06	0.000627668	0.000698094	0.001878085	0.000531577
2112 Jul	0.001266384	0.118532874	1.04383E-05	3.600389242	5.815963268	0.059962559	0.000890103	24.57780647	0.003085406	0.010148487	0.000452436	0.000535656	0.000214108	0.225122631	3.2649E-06	0.000628031	0.000698546	0.00187895	0.00053185
2112 Aug	0.001268032	0.118677162	1.0453E-05	3.605681896	5.823757648	0.060038686	0.000891403	24.60825539	0.003089601	0.01016103	0.000452951	0.000536397	0.00021441	0.225440711	3.26886E-06	0.000629023	0.000699375	0.001881268	0.000532786
2112 Sep	0.0012681	0.118681051	1.04548E-05	3.606864929	5.823979855	0.060041405	0.000891642	24.60002518	0.00308986	0.010161126	0.000452929	0.000536452	0.000214442	0.225489438	3.26831E-06	0.000629331	0.000699337	0.001881184	0.000533034
2112 Oct	0.001267762	0.118650831	1.04524E-05	3.60703969	5.822153568	0.060025424	0.00089161	24.57981682	0.003089076	0.010158142	0.000452809	0.00053633	0.0002144	0.225469008	3.26653E-06	0.000629486	0.000699095	0.001880456	0.000533018
2112 Nov	0.001267784	0.118653342	1.04527E-05	3.607290745	5.822176933	0.060026221	0.000891661	24.57758904	0.003089125	0.010158306	0.000452817	0.000536339	0.000214406	0.225479066	3.26642E-06	0.000629551	0.000699095	0.001880447	0.000533039
2112 Dec	0.00126781	0.118655778	1.04529E-05	3.607362509	5.822292328	0.060027398	0.000891679	24.5780735	0.003089186	0.010158519	0.000452826	0.000536349	0.00021441	0.225483537	3.26649E-06	0.000629564	0.000699109	0.001880486	0.00053305
2113 Jan	0.001267813	0.118656099	1.04529E-05	3.607368946	5.822304249	0.060027547	0.000891681	24.57811546	0.003089192	0.010158543	0.000452827	0.00053635	0.00021441	0.225483984	3.26649E-06	0.000629565	0.000699111	0.001880489	0.00053305
2113 Feb	0.001267824	0.118657254	1.0453E-05	3.607400894	5.822356224	0.06002814	0.000891688	24.57832718	0.003089219	0.010158635	0.000452831	0.000536355	0.000214412	0.22548601	3.26652E-06	0.00062957	0.000699117	0.001880506	0.000533055
2113 Mar	0.001267965	0.118670456	1.04541E-05	3.607800484	5.823002338	0.060034823	0.000891787	24.58104706	0.003089561	0.010159761	0.000452881	0.000536414	0.000214436	0.225511014	3.26688E-06	0.00062964	0.000699195	0.001880714	0.000533114
2113 Apr	0.001268226	0.118694909	1.04563E-05	3.608542919	5.824200153	0.060047191	0.00089197	24.58610344	0.003090197	0.010161852	0.000452975	0.000536525	0.00021448	0.225557417	3.26755E-06	0.000629769	0.000699339	0.001881101	0.000533223
2113 May	0.001268782	0.118814901	1.04599E-05	3.611241579	5.826306343	0.060111761	0.000892279	24.57105637	0.003091221	0.010165994	0.000453594	0.000536704	0.000214575	0.225708544	3.26724E-06	0.000630268	0.000700006	0.00188168	0.000533299
2113 Jun	0.001267736	0.118944742	1.04496E-05	3.61249423	5.820320129	0.060193177	0.000891321	24.46400833	0.003087766	0.010156404	0.000454583	0.000536159	0.000214423	0.225720033	3.25849E-06	0.000630628	0.000700692	0.001879454	0.000532606
2113 Jul	0.001269449	0.11910966	1.04651E-05	3.618014336	5.82810545	0.06027608	0.000892581	24.49049759	0.003091987	0.010169785	0.000455179	0.000536918	0.000214727	0.226048365	3.26236E-06	0.000631659	0.000701618	0.001881935	0.000533521
2113 Aug	0.001270784	0.119231366	1.04772E-05	3.622511387	5.834311962	0.060339354	0.000893632	24.5116272	0.003095352	0.010179792	0.00045561	0.000537518	0.000214973	0.226313174	3.26529E-06	0.000632521	0.000702284	0.001883751	0.000534322
2113 Sep	0.0012705	0.119214118	1.04759E-05	3.62350893	5.832661152	0.060331449	0.000893721	24.4843235	0.003094698	0.010176714	0.000455538	0.000537418	0.000214954	0.22632955	3.26299E-06	0.000632875	0.00070206	0.001882907	0.000534457
2113 Oct	0.001268542	0.11905314	1.04605E-05	3.620743036	5.821604729	0.060233623	0.00089285	24.39414215	0.003089344	0.010161302	0.000454853	0.000536451	0.000214611	0.226064414	3.25465E-06	0.000632711	0.000700737	0.001879013	0.000533705
2113 Nov	0.001268189	0.11902447	1.04577E-05	3.620319128	5.819073677	0.060209949	0.000892739	24.37111282	0.003088166	0.010158989	0.000454692	0.000536217	0.000214533	0.226011902	3.25281E-06	0.000632715	0.000700422	0.00187817	0.000533498
2113 Dec	0.001268217	0.119027071	1.0458E-05	3.620395422	5.819191456	0.060211156	0.000892758	24.37155724	0.003088229	0.010159218	0.000454701	0.000536228	0.000214537	0.226016611	3.25288E-06	0.000632728	0.000700436	0.001878208	0.000533508
2114 Jan	0.001268224	0.119027823	1.0458E-05	3.620415688	5.819218636	0.060211498	0.000892763	24.37161827	0.003088244	0.010159275	0.000454704	0.00053623	0.000214538	0.226017833	3.25289E-06	0.000632732	0.00070044	0.001878217	0.00053351

Appendix D.2-18: TIRI04

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2114 Feb	0.001268229	0.119028412	1.0458E-05	3.620429516	5.819241047	0.060211804	0.000892766	24.37169647	0.003088255	0.010159315	0.000454706	0.000536232	0.000214539	0.226018727	3.2529E-06	0.000632734	0.000700444	0.001878224	0.000533512
2114 Mar	0.001268303	0.119035393	1.04587E-05	3.620639563	5.819579601	0.060215343	0.000892818	24.373110219	0.003088434	0.010159905	0.000454732	0.000536263	0.000214551	0.22603187	3.25309E-06	0.000632771	0.000700485	0.001878333	0.000533543
2114 Apr	0.001268489	0.119052924	1.04602E-05	3.621171474	5.82043457	0.060224209	0.000892949	24.37668037	0.003088888	0.010161398	0.000454799	0.000536342	0.000214583	0.226065084	3.25357E-06	0.000632864	0.000700588	0.001878608	0.000533621
2114 May	0.001268495	0.119148411	1.04586E-05	3.622573853	5.819367409	0.060272276	0.000892857	24.336653259	0.003088147	0.010161255	0.000455336	0.000536177	0.000214563	0.226127267	3.25079E-06	0.000633148	0.000701002	0.001877993	0.000533363
2114 Jun	0.001268941	0.119338036	1.0461E-05	3.626185417	5.819946289	0.060369696	0.000893028	24.28392601	0.00308819	0.010164488	0.000456297	0.00053616	0.00021462	0.226311669	3.24757E-06	0.000633854	0.000701935	0.00187783	0.000533311
2114 Jul	0.001271421	0.119565852	1.04825E-05	3.633741617	5.831469536	0.060486399	0.000894852	24.32995224	0.003094363	0.010183935	0.000457135	0.000537256	0.000215057	0.226772532	3.25368E-06	0.000635232	0.000703267	0.00188146	0.000534559
2114 Aug	0.001273892	0.119791113	1.05035E-05	3.641101599	5.842932701	0.06060183	0.000896665	24.3770771	0.003100477	0.010203321	0.00045797	0.000538325	0.000215487	0.227225363	3.25987E-06	0.000636557	0.000704575	0.001885038	0.000535746
2114 Sep	0.0012735	0.119752392	1.05014E-05	3.641682625	5.840807438	0.060582571	0.000896739	24.35013199	0.003099543	0.010199309	0.000457774	0.000538159	0.000215447	0.227217585	3.25734E-06	0.000636843	0.000704203	0.001883907	0.000535893
2114 Oct	0.001272767	0.119692616	1.04949E-05	3.64198494	5.836362362	0.060546976	0.000896692	24.29970741	0.00309753	0.010192877	0.000457547	0.00053779	0.000215334	0.227166608	3.253E-06	0.000637167	0.000703617	0.001881954	0.000535709
2114 Nov	0.001271969	0.119617939	1.04877E-05	3.641611338	5.831582069	0.060501456	0.000896554	24.2535038	0.003095336	0.010186303	0.000457244	0.00053738	0.000215199	0.227082312	3.24898E-06	0.000637334	0.000702953	0.001880007	0.000535414
2114 Dec	0.001271959	0.119616926	1.04875E-05	3.641650677	5.831477165	0.060500473	0.000896564	24.25200462	0.003095295	0.01018623	0.000457239	0.000537371	0.000215196	0.227082312	3.24887E-06	0.00063735	0.000702936	0.00187996	0.000535408
2115 Jan	0.001271968	0.119617902	1.04876E-05	3.641679764	5.831515312	0.060500938	0.000896571	24.25208664	0.003095315	0.010186303	0.000457243	0.000537374	0.000215198	0.227084041	3.24889E-06	0.000637356	0.000702941	0.001879971	0.000535411
2115 Feb	0.00127198	0.119619153	1.04877E-05	3.641716719	5.831567764	0.060501579	0.000896579	24.25223351	0.003095343	0.010186396	0.000457247	0.000537379	0.0002152	0.227086276	3.24891E-06	0.000637362	0.000702948	0.001879987	0.000535415
2115 Mar	0.001272018	0.119622856	1.0488E-05	3.641826868	5.831744194	0.060503453	0.000896606	24.25295639	0.003095436	0.010186705	0.000457261	0.000537395	0.000215206	0.227093175	3.24901E-06	0.000637381	0.00070297	0.001880043	0.000535431
2115 Apr	0.001272274	0.119646952	1.04901E-05	3.642558813	5.832916737	0.06051565	0.000896786	24.25782967	0.003096058	0.010188753	0.000457353	0.000537503	0.000215249	0.227138832	3.24966E-06	0.000637509	0.000703111	0.001880421	0.000535538
2115 May	0.001272551	0.119760849	1.04907E-05	3.644730806	5.83317852	0.06057379	0.000896926	24.22460556	0.003096013	0.010190649	0.000457952	0.000537454	0.000215278	0.227249458	3.24763E-06	0.000637937	0.000703635	0.001880143	0.000535427
2115 Jun	0.001274043	0.120000675	1.05014E-05	3.65036869	5.838903427	0.060695022	0.000897871	24.21184731	0.003098828	0.010202422	0.000459033	0.000537903	0.000215507	0.227577642	3.2485E-06	0.000638955	0.000704898	0.001881683	0.000535811
2115 Jul	0.001276252	0.120199591	1.05207E-05	3.657259226	5.849192619	0.060797282	0.000899533	24.25226593	0.003104353	0.010219405	0.000459752	0.000538883	0.000215901	0.22799401	3.25381E-06	0.000640235	0.00070603	0.001884808	0.000537
2115 Aug	0.00127578	0.120169491	1.05188E-05	3.657979488	5.846242905	0.060778882	0.000899497	24.21375275	0.003103033	0.010214261	0.000459582	0.000538635	0.000215845	0.227982536	3.25041E-06	0.00064057	0.000705564	0.001883344	0.000537149
2115 Sep	0.001275947	0.120193698	1.05213E-05	3.659714699	5.846295834	0.060787208	0.000899837	24.19614029	0.003103252	0.010215133	0.000459636	0.000538637	0.00021588	0.228053868	3.24946E-06	0.000640992	0.000705505	0.001883104	0.000537334
2115 Oct	0.001275907	0.120188139	1.0521E-05	3.660450935	5.845795155	0.060783017	0.000899991	24.18398285	0.003103114	0.010214434	0.000459603	0.000538603	0.00021588	0.228075117	3.24856E-06	0.00064122	0.000705378	0.001882714	0.000537406
2115 Nov	0.00127554	0.120153151	1.05177E-05	3.66048789	5.843345165	0.060759638	0.000899977	24.15810204	0.003102033	0.01021135	0.000459453	0.000538386	0.000215816	0.228040874	3.24645E-06	0.000641358	0.000705004	0.001881684	0.000537256
2115 Dec	0.001275546	0.120153613	1.05178E-05	3.660571098	5.843316078	0.060759388	0.000899998	24.15697479	0.003102033	0.010211402	0.000459452	0.000538383	0.000215816	0.22804369	3.24639E-06	0.000641381	0.000704995	0.001881661	0.000537258
2116 Jan	0.001275556	0.120154627	1.05179E-05	3.660602808	5.843353748	0.060759872	0.000900005	24.15702248	0.003102053	0.010211476	0.000459456	0.000538386	0.000215818	0.228045508	3.24641E-06	0.000641387	0.000705	0.001881671	0.000537261
2116 Feb	0.001275578	0.120156847	1.0518E-05	3.660664558	5.843453407	0.060761001	0.00090002	24.15740967	0.003102105	0.010211651	0.000459464	0.000538395	0.000215821	0.228049442	3.24646E-06	0.000641398	0.000705013	0.001881702	0.000537269
2116 Mar	0.001275619	0.120160855	1.05184E-05	3.660783291	5.843644142	0.060763028	0.000900049	24.15818977	0.003102205	0.010211984	0.000459479	0.000538413	0.000215828	0.228056863	3.24657E-06	0.000641418	0.000705036	0.001881763	0.000537287
2116 Apr	0.001275858	0.120183416	1.05203E-05	3.661468744	5.84473896	0.060774446	0.000900217	24.1627121	0.003102786	0.010213898	0.000459565	0.000538513	0.000215868	0.228099599	3.24717E-06	0.000641538	0.000705168	0.001882116	0.000537387
2116 May	0.001276486	0.120309629	1.05232E-05	3.6649158	5.847012043	0.060843512	0.0009007	24.14141083	0.003103943	0.010217945	0.000460262	0.00053869	0.000215979	0.228283301	3.2465E-06	0.00064223	0.000705792	0.001882417	0.000537453
2116 Jun	0.001274388	0.120413296	1.05006E-05	3.665550232	5.835702896	0.060923506	0.000899197	23.97258568	0.003097469	0.010197301	0.000461415	0.000537552	0.000215669	0.228214666	3.23173E-06	0.000642642	0.000706091	0.001877261	0.000536261
2116 Jul	0.001276651	0.120637737	1.05205E-05	3.672755718	5.846078873	0.061038081	0.000900845	24.0080471	0.003103055	0.01021534	0.00046226	0.000538559	0.000216068	0.228648067	3.23694E-06	0.000643964	0.000707419	0.001880665	0.000537383
2116 Aug	0.001278633	0.12081521	1.05377E-05	3.678863764	5.855365276	0.061130472	0.000902351	24.04537582	0.003108021	0.010230671	0.000462909	0.00053943	0.000216421	0.229020223	3.2418E-06	0.000645083	0.000708446	0.001883487	0.00053841
2116 Sep	0.00127768	0.120729983	1.05313E-05	3.678071499	5.850404263	0.061085105	0.000902057	24.00187302	0.003105627	0.010222452	0.000462517	0.000539011	0.000216282	0.228918582	3.23749E-06	0.000645151	0.000707778	0.001881499	0.000538324
2116 Oct	0.001276448	0.120636083	1.05218E-05	3.676439285	5.842577457	0.061017927	0.000901571	23.93305206	0.003101869	0.010213641	0.000462055	0.000538295	0.000216038	0.228745863	3.2316E-06	0.000645085	0.000706878	0.001878837	0.000537727
2116 Nov	0.001276454	0.120638058	1.05218E-05	3.676667929	5.842209339	0.061014857	0.000901634	23.92652893	0.00310174	0.010213952	0.000462039	0.000538258	0.000216029	0.228749812	3.23124E-06	0.000645155	0.000706829	0.001878712	0.000537696
2116 Dec	0.001276461	0.120638758	1.05219E-05	3.676687956	5.842237473	0.061015144	0.000901639	23.92661476	0.003101756	0.010214017	0.000462042	0.00053826	0.00021603	0.228751019	3.23126E-06	0.000645159	0.000706832	0.001878722	0.000537699
2117 Jan	0.001276464	0.120639093	1.05219E-05	3.676697254	5.842245102	0.061015286	0.000901641	23.92658424	0.00310176	0.010214039	0.000462043	0.000538261	0.000216031	0.22875151	3.23126E-06	0.000645161	0.000706833	0.001878724	0.000537699
2117 Feb	0.001276466	0.120639451	1.05219E-05	3.67670536	5.842256546	0.061015468	0.000901643	23.9265995	0.003101766	0.010214061	0.000462044	0.000538262	0.000216031	0.228752017	3.23126E-06	0.000645162	0.000706835	0.001878727	0.0005377
2117 Mar	0.001276519	0.120644443	1.05224E-05	3.676855564	5.842495441	0.061017994	0.000901679	23.92757034	0.003101892	0.010214478	0.000462063	0.000538284	0.00021604	0.228761375	3.2314E-06	0.000645188	0.000706864	0.001878803	0.000537721
2117 Apr	0.001276828	0.120673776	1.05249E-05	3.677747965	5.843914032	0.061032828	0.000901898	23.93337631	0.003102645	0.010216958	0.000462175	0.000538414	0.000216092	0.228816926	3.23218E-06	0.000645345	0.000707036	0.001879259	0.000537852
2117 May	0.001277405	0.120788001	1.0529E-05	3.679907322	5.845789433	0.061088439	0.000902189	23.92150116	0.003103483	0.01022179	0.000462687	0.000538527	0.000216167	0.228943631	3.23206E-06	0.000645709	0.000707616	0.00187978	0.000537908
2117 Jun	0.001277719	0.12096943	1.05309E-05	3.682157278	5.845340729	0.061174229	0.000902113	23.87024879	0.003102881	0.010225063	0.000463542	0.000538361	0.000216166	0.22906217	3.2289E-06	0.000646072	0.000708478	0.001879559	0.000537648
2117 Jul	0.001279945	0.121172972	1.05503E-05	3.688942671	5.855619907	0.061277613	0.000903753	23.91103935	0.003108397	0.010242481	0.00046428	0.000539337	0.000216557	0.229474843	3.23433E-06	0.000647314	0.000709646	0.001882781	0.000538779
2117 Aug	0.001281216	0.121282384	1.05619E-05	3.693230391	5.861639023	0.06133556	0.000904791	23.9330883	0.003111653	0.010251901	0.000464653	0.000539915	0.000216795	0.229727909	3.23721E-06	0.000648141	0.000710249	0.001884485	0.000539587
2117 Sep	0.001281741	0.121330477	1.0567E-05	3.695463181	5.863976955	0.061360616	0.000905311	23.93561745	0.003112954	0.010255654	0.000464806	0.000540143	0.000216897	0.229849413	3.23788E-06	0.000648612	0.000710477	0.001885019	0.000539991
2117 Oct	0.001281315	0.121306784	1.05638E-05	3.695219278	5.860881805	0.06133873	0.000905187	23.90305328	0.003111464	0.010252632	0.00046466	0.000539847	0.000216805	0.229799092	3.23521E-06	0.000648679	0.000710142	0.001883875	0.000539795
2117 Nov	0.001281189	0.121298552	1.05629E-05	3.695146322	5.859964371	0.06133147	0.000905157	23.89358139	0.003111027	0.010251752	0.000464609	0.000539759	0.000216778	0.229783878	3.23443E-06	0.0006487	0.000710034	0.001883533	0.00053974
2117 Dec	0.001281201	0.121299781	1.0563E-05	3.695195913	5.859999657	0.061331905	0.000905169	23.89341927	0.003111049	0.010251855	0.000464613	0.000539762	0.00021678	0.229786366	3.23443E-06	0.000648711	0.000710037	0.001883541	0.000539745
2118 Jan	0.001281208	0.121300608	1.0563E-05	3.695216417	5.860024452	0.061332278	0.000905174	23.89344597	0.003111062	0.010251911	0.000464615	0.000539764	0.000216781	0.229787573	3.23444E-06	0.000648715	0.000710041	0.001883549	0.000539747
2118 Feb	0.001281217	0.121301554	1.05631E-05	3.695239782	5.860062599	0.061332766	0.000905179	23.89357758	0.003111081	0.010251979	0.000464619	0.000539767	0.000216782	0.229789093	3.23446E-06	0.000648718	0.000710047	0.00188356	0.00053975
2118 Mar	0.001281244	0.121304177	1.05633E-05	3.695316553	5.860185146	0.061334096	0.000905198	23.89407158	0.003111146	0.010252194	0.000464629	0.000539778	0.000216786	0.229793906	3.23453E-06	0.000648732	0.000710062	0.001883599	0.000539761
2118 Apr	0.00128146	0.121329956	1.05649E-05	3.695939541	5.861146927	0.061347432	0.000905333	23.89686394	0.003111621	0.010253882	0.000464717	0.000539856	0.000216819	0.229833841	3.23496E-06	0.000648834	0.000710207	0.001883874	0.000539834
2118 May	0.001281391	0.12155664	1.05623E-05	3.695688248	5.858072758	0.061451029	0.000904449	23.82832527	0.003109063	0.010254784	0.000465742	0.000539253	0.000216675	0.229839742	3.23002E-06	0.000648517	0.000711236	0.001882846	0.000538927
2118 Jun	0.00127936	0.121730387	1.05448E-05	3.690126657	5.845249653	0.06152907	0.000901714	23.69120407	0.00310074	0.010240379	0.000466664	0.000537633	0.000216169	0.229529634	3.21745E-06	0.000647136	0.000711911	0.001878699	0.000537117
2118 Jul	0.001282096	0.121989138	1.05682E-05	3.698266745	5.857797623	0.061659951	0.000903675	23.74077415	0.003107436	0.010262165	0.000467627	0.000538811	0.00021664	0.230029896	3.2242E-06	0.000648593	0.000713421	0.001882737	0.000538388
2118 Aug	0.001282342	0.122021511	1.05725E-05	3.699983835	5.858781338	0.061677378	0.000903987	23.73343086	0.003108001	0.010263316	0.000467678	0.000538904	0.000216702	0.230114609	3.22373E-06	0.000648978	0.000713491	0.001882777	0.000538817
2118 Sep	0.001280405	0.121897727	1.05589E-05	3.69593668	5.84770298	0.061597362	0.000902775	23.64928246	0.003102234	0.010248559	0.000467066	0.0005378	0.000216329	0.229811817	3.21567E-06	0.000648373	0.000712362	0.001879035	0.000537977
2118 Oct	0.001278771	0.121763997	1.05463E-05	3.692408085	5.837939739	0.061507389	0.000901908	23.5785675	0.003097295	0.010236692	0.000466384	0.00053684	0.000215997	0.229538888	3.20901E-06	0.000647901	0.00071119	0.001875704	0.00053719
2118 Nov	0.001278436	0.121733315	1.05437E-05	3.691776752	5.835842133	0.06148617	0.000901771	23.56256104	0.003096263	0.010234292	0.000466222	0.000536636	0.000215927	0.229484439	3.20756E-06	0.000647838	0.000710911	0.001874961	0.000537032
2118 Dec	0.001278457	0.121735275	1.05439E-05	3.691834211	5.835930824	0.061487075	0.000901786	23.56289864	0.003096311	0.010234466	0.000466228	0.000536644	0.000215931	0.229487985	3.20761E-06	0.000647848	0.000710921	0.00187499	0.000537041
2119 Jan	0.001278465	0.121736147	1.05439E-05	3.6918571	5.83596468	0.061487488	0.000901791	23.56300735	0.003096328	0.010234534	0.000466231	0.000536647	0.000215932	0.229489401	3.20763E-06	0.000647852	0.000710926	0.001875001	0.000537043
2119 Feb	0.001278478	0.121737517	1.0544E-05	3.691895008	5.836022377	0.06148817	0.0009018	23.56319809	0.003096358	0.010234637	0.000466236	0.000536652	0.000215934	0.22949177	3.20766E-06	0.000647858	0.000710934	0.001875019	0.000537048
2119 Mar	0.00127857	0.121746369	1.05448E-05	3.692160845	5.836443424	0.061492648	0.000901865	23.56489182	0.003096581	0.010235376	0.00046627	0.00053669	0.000215949	0.229508325	3.20789E-06	0.000647905	0.000710985	0.001875154	0.000537087
2119 Apr	0.001279028	0.12181361	1.05478E-05	3.693452597	5.8383708	0.061527818	0.000902111	23.56746101	0.00309744	0.010238826	0.000466471	0.000536811	0.000216006	0.229594335	3.2085E-06	0.000648099	0.000711343	0.001875598	0.000537191
2119 May	0.001278399	0.122123308	1.05348E-05	3.691165209	5.832335949	0.061688494	0.000900396	23.46103477	0.003092074	0.010232943	0.00046729	0.000535519	0.000215627	0.229524925	3.199E-06	0.000647205	0.00071266	0.001872058	0.000535618
2119 Jun	0.00127787	0.122216985	1.05301E-05	3.690073252	5.829030037	0.061739579	0.000899581	23.41392136	0.003089585	0.010228485	0.000467578	0.000535022	0.000215475	0.229473293	3.19445E-06	0.000646879	0.000713101	0.001870605	0.000535219
2119 Jul	0.001280311	0.12245924	1.05513E-05	3.697461605	5.840144634	0.061861981	0.000901306	23.45449066	0.003095496	0.010248055	0.00046846	0.000536068	0.000215892	0.229925826	3.20021E-06	0.000648199	0.000714519	0.001874229	0.000536359
2119 Aug	0.001281602	0.122576155	1.05636E-05	3.702121973	5.846222878	0.061925113	0.000902409	23.47256279	0.003098773	0.010257387	0.000468832	0.00053664	0.000216137	0.230196685	3.20276E-06	0.000649108	0.000715137	0.001875842	0.000537239
2119 Sep	0.001280814	0.122534908	1.05582E-05	3.70104599	5.841708183	0.061900325	0.000902004	23.43103218	0.003096396	0.0102508	0.000468538	0.000536169	0.000215986	0.230099425	3.19884E-06	0.000648999	0.000714682	0.001874062	0.000536986
2119 Oct	0.001279891	0.122468002	1.05506E-05	3.69950676	5.83634758	0.061858475	0.000901567	23.3867569	0.003093645	0.010243507	0.000468154	0.000535634	0.000215803	0.229968101	3.19464E-06	0.000648843	0.000714069	0.001872009	0.000536595
2119 Nov	0.001279475	0.12243437	1.05472E-05	3.698768139	5.833933353	0.061837424	0.000901377	23.36778069	0.003092422	0.010240273	0.000467971	0.000535396	0.00021572	0.229906216	3.19284E-06	0.000648765	0.000713775	0.001871101	0.00053641
2119 Dec	0.001279496	0.122436427	1.05474E-05	3.698827267	5.834023952	0.061838385	0.000901391	23.36811638	0.00309247	0.01024045	0.000467978	0.000535404	0.000215724	0.229909867	3.19289E-06	0.000648775	0.000713786	0.001871131	0.000536418

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.0011	0.00000094	0.00000028	0.0000000073	0.00027	0.00000015	0.000091	7.3E-09	7.3E-09	3.7E-11	4.3E-08	2.0E-08	5.0E-08	5.3E-07	3.7E-11	4.2E-04	1.5E-10	5.1E-09	8.8E-09	1.4E-08
Operations (2020-2043): Mean	742	1.5	1.9	0.065	339	0.15	186	5.8E-05	5.8E-05	8.6E-06	1.4E-02	5.3E-03	2.6E-01	1.1E-02	5.8E-06	4.2E+01	9.1E-05	2.7E-04	7.1E-04	6.7E-03
Operations (2020-2043): Max	1213	2.9	3.8	0.13	670	0.17	213	7.1E-05	7.1E-05	9.7E-06	1.6E-02	6.0E-03	2.9E-01	1.3E-02	6.5E-06	4.7E+01	1.0E-04	3.0E-04	8.1E-04	7.6E-03
Active Closure (2044-2050): Min	60	0.022	0.027	0.002	11.22	0.040	24	6.3E-05	6.3E-05	5.4E-06	4.1E-03	8.0E-04	3.3E-02	7.9E-03	5.1E-06	1.1E+01	1.5E-05	5.9E-05	1.5E-04	1.4E-03
Active Closure (2044-2050): Mean	117	0.11	0.143	0.006	31.4	0.054	44	8.2E-04	8.2E-04	5.9E-06	5.3E-03	1.3E-03	6.0E-02	8.5E-03	5.3E-06	1.5E+01	2.4E-05	9.4E-05	2.3E-04	2.1E-03
Active Closure (2044-2050): Max	555	0.85	1.103	0.038	197.2	0.166	192	9.1E-04	9.1E-04	1.1E-05	1.6E-02	5.5E-03	2.6E-01	1.6E-02	8.6E-06	4.6E+01	9.6E-05	3.0E-04	7.8E-04	7.2E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Post Closure (2051-2119): Min	60	0.02	0.019	0.001	11.17	0.040	24	5.5E-04	5.5E-04	5.4E-06	4.1E-03	8.0E-04	3.3E-02	7.9E-03	5.1E-06	1.1E+01	1.5E-05	7.5E-05	1.5E-04	1.4E-03
Post Closure (2051-2119): Mean	130	0.02	0.023	0.002	13.4	0.071	69	7.2E-04	7.2E-04	6.5E-06	7.0E-03	2.1E-03	9.4E-02	9.8E-03	5.6E-06	2.0E+01	3.6E-05	1.4E-04	3.2E-04	2.9E-03
Post Closure (2051-2119): Max	187	0.02	0.027	0.002	15.1	0.096	105	9.0E-04	9.0E-04	7.4E-06	9.4E-03	3.1E-03	1.4E-01	1.1E-02	5.9E-06	2.8E+01	5.4E-05	1.9E-04	4.5E-04	4.1E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2119)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0.001053595	9.35222E-07	2.81297E-07	7.30642E-09	0.000267415	1.46128E-07	9.13303E-05	7.30642E-09	7.30642E-09	3.65321E-11	4.31079E-08	2.0458E-08	5.04143E-08	5.29716E-07	3.65321E-11	0.000420119	1.46128E-10	5.1145E-09	8.76771E-09	1.38822E-08
2024 Feb	0.005136346	4.55927E-06	1.37134E-06	3.56193E-08	0.001303665	7.12385E-07	0.000445241	3.56193E-08	3.56193E-08	1.78096E-10	2.10154E-07	9.9734E-08	2.45773E-07	2.5824E-06	1.78096E-10	0.002048108	7.12385E-10	2.49335E-08	4.27431E-08	6.76766E-08
2024 Mar	0.009948292	8.83058E-06	2.65607E-06	6.89889E-08	0.002524995	1.37978E-06	0.000862362	6.89889E-08	6.89889E-08	3.44945E-10	4.07035E-07	1.93169E-07	4.76024E-07	5.0017E-06	3.44945E-10	0.003966863	1.37978E-09	4.82923E-08	8.27867E-08	1.31079E-07
2024 Apr	0.014372217	1.27575E-05	3.83721E-06	9.96677E-08	0.003647839	1.99335E-06	0.001245847	9.96677E-08	9.96677E-08	4.98339E-10	5.8804E-07	2.7907E-07	6.87707E-07	7.22591E-06	4.98339E-10	0.005730895	1.99335E-09	6.97674E-08	1.19601E-07	1.89369E-07
2024 May	238.4377441	0.566606104	0.732434034	0.02497007	130.9969025	0.031781495	39.69334793	2.8754E-05	2.8754E-05	1.90797E-06	0.003086526	0.001162595	0.054293446	0.003376547	1.31711E-06	9.62617588	1.96823E-05	6.81116E-05	0.000167621	0.001449372
2024 Jun	946.9333496	2.258298874	2.923457861	0.099665523	521.8297119	0.125973374	158.0702972	6.78715E-05	6.78715E-05	7.38427E-06	0.012026125	0.004538849	0.216440499	0.010958494	5.02479E-06	36.42499542	7.7622E-05	0.000246292	0.00062879	0.005717181
2024 Jul	1126.324951	2.688509226	3.481604338	0.118693255	621.1634521	0.149819925	188.1473389	6.68044E-05	6.68044E-05	8.72492E-06	0.01422552	0.005376475	0.257674158	0.01232827	5.91465E-06	42.80289841	9.21053E-05	0.000285541	0.000737206	0.006789686
2024 Aug	1213.371704	2.899017572	3.755008698	0.128009439	669.6829834	0.161424905	202.8322754	5.34595E-05	5.34595E-05	9.31812E-06	0.015203638	0.005768279	0.277801543	0.012592129	6.28683E-06	45.61074066	9.88068E-05	0.000299864	0.000783842	0.007302808
2024 Sep	1160.367188	2.775250673	3.593463659	0.122504771	640.7579346	0.154710233	194.0749207	4.1975E-05	4.1975E-05	8.87216E-06	0.014514422	0.005501152	0.265847504	0.011561882	5.971E-06	43.29112244	9.42664E-05	0.000281467	0.00074107	0.006979405
2024 Oct	1154.62854	2.762059927	3.575168848	0.121886238	637.5510254	0.154214665	193.1125641	4.5957E-05	4.5957E-05	8.84804E-06	0.014490305	0.005476481	0.264553159	0.011528411	5.96162E-06	43.10781479	9.38513E-05	0.000280293	0.000736675	0.006948539
2024 Nov	1150.048096	2.751193523	3.560355663	0.121385172	634.9624634	0.153792039	192.3345795	5.00612E-05	5.00612E-05	8.83283E-06	0.014469953	0.005458228	0.263508171	0.0115437	5.95838E-06	42.99047852	9.35269E-05	0.000279856	0.000733909	0.006924086
2024 Dec	1151.171875	2.7538867	3.563827038	0.121503599	635.5822754	0.153945416	192.5224304	5.01652E-05	5.01652E-05	8.84172E-06	0.014484661	0.005463599	0.263765842	0.011555473	5.96447E-06	43.03300095	9.36189E-05	0.000280134	0.000734621	0.006930897
2025 Jan	1151.076416	2.753647089	3.563500643	0.121492505	635.5264282	0.153935537	192.505661	5.02832E-05	5.02832E-05	8.84151E-06	0.014484243	0.005463312	0.263742715	0.011559156	5.96453E-06	43.03296661	9.36123E-05	0.000280157	0.00073462	0.006930423
2025 Feb	1151.258057	2.754067659	3.564036608	0.121510766	635.6239014	0.15395987	192.5352936	5.03555E-05	5.03555E-05	8.84316E-06	0.014486794	0.005464312	0.26378265	0.011565582	5.96575E-06	43.0431366	9.36277E-05	0.000280244	0.000734808	0.006931583
2025 Mar	1151.703979	2.755126476	3.565402508	0.12155731	635.8685303	0.15401952	192.6094513	5.04101E-05	5.04101E-05	8.84672E-06	0.014492548	0.005466502	0.263883889	0.011572571	5.96821E-06	43.06164551	9.36642E-05	0.000280376	0.000735131	0.006934304
2025 Apr	1154.115601	2.760891438	3.572860003	0.121811561	637.1991577	0.154342055	193.0125275	5.05357E-05	5.05357E-05	8.86533E-06	0.014522978	0.005477991	0.264435917	0.011598235	5.98079E-06	43.15286636	9.38605E-05	0.000280976	0.000736693	0.006948845

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 May	1195.779541	2.86055851	3.701837778	0.126208872	660.2018433	0.159913898	199.9802246	5.23712E-05	5.23712E-05	9.18541E-06	0.015047316	0.00567577	0.273981929	0.012017603	6.19675E-06	44.71118927	9.7249E-05	0.000291126	0.000763298	0.007199711
2025 Jun	1091.04187	2.564057827	3.32024312	0.11321421	592.0748901	0.152896881	191.3686066	6.62641E-05	6.62641E-05	8.87256E-06	0.014515418	0.005438447	0.26237455	0.011465785	6.01194E-06	42.75520706	9.36345E-05	0.00028106	0.000729799	0.006891681
2025 Jul	1122.19519	2.589643478	3.355826855	0.114428781	598.2871094	0.164917901	206.5361176	6.55783E-05	6.55783E-05	9.54897E-06	0.015553116	0.005863679	0.283108383	0.01215293	6.46066E-06	45.92356873	0.000100713	0.00029892	0.00078482	0.007433617
2025 Aug	1152.72876	2.660266399	3.447319746	0.117529608	614.4992676	0.169331267	212.6078033	4.26065E-05	4.26065E-05	9.70726E-06	0.015830236	0.006015601	0.291272014	0.012235464	6.52747E-06	47.05358505	0.000103127	0.000303193	0.000805493	0.007638318
2025 Sep	1092.074219	2.52108264	3.265294552	0.111317039	582.0853271	0.160455063	201.5792084	3.14397E-05	3.14397E-05	9.15849E-06	0.014985952	0.005695723	0.27611661	0.011543582	6.14379E-06	44.59045029	9.76793E-05	0.000286952	0.000763114	0.007237944
2025 Oct	1035.592773	2.391069651	3.094638348	0.105505943	551.8048706	0.152552128	191.1551056	3.75221E-05	3.75221E-05	8.72074E-06	0.014298683	0.005408893	0.261859328	0.011112218	5.86283E-06	42.43517685	9.27664E-05	0.000273941	0.00072472	0.006871462
2025 Nov	1022.786743	2.361548185	3.055785894	0.104184113	544.9243774	0.150805637	188.7824707	4.03504E-05	4.03504E-05	8.62807E-06	0.014151821	0.005344979	0.25862211	0.01103543	5.80594E-06	41.96278	9.16626E-05	0.000271228	0.000716122	0.006789073
2025 Dec	1023.348816	2.362845182	3.057443142	0.104240745	545.2217407	0.150894105	188.8855896	4.05215E-05	4.05215E-05	8.63349E-06	0.014160762	0.005348042	0.258764058	0.01104398	5.80983E-06	41.98790359	9.17145E-05	0.000271405	0.000716533	0.006792901
2026 Jan	1023.364441	2.362874746	3.05747056	0.104241714	545.2281494	0.150898173	188.8878174	4.06006E-05	4.06006E-05	8.63396E-06	0.014161473	0.005348226	0.258767039	0.011047089	5.81027E-06	41.9907608	9.17166E-05	0.000271438	0.000716578	0.006793064
2026 Feb	1023.378113	2.362898111	3.057495594	0.104242548	545.2338257	0.150900155	188.8897858	4.06416E-05	4.06416E-05	8.63423E-06	0.014161822	0.005348381	0.258769304	0.011050127	5.81052E-06	41.99342346	9.17182E-05	0.000271469	0.000716633	0.006793194
2026 Mar	1024.457275	2.365385294	3.060711145	0.104352169	545.8079224	0.151059255	189.0886536	4.07066E-05	4.07066E-05	8.64342E-06	0.014176843	0.005354066	0.259041518	0.011063357	5.81674E-06	42.03885269	9.1815E-05	0.00027177	0.000717413	0.006800378
2026 Apr	1029.408936	2.376815796	3.075500011	0.104856387	548.4454956	0.151789382	190.0024261	4.0916E-05	4.0916E-05	8.68524E-06	0.014245415	0.005379971	0.260293216	0.011117733	5.84491E-06	42.2427063	9.22589E-05	0.000273092	0.000720894	0.006833259
2026 May	1047.495605	2.417187452	3.12766099	0.106634833	557.7769165	0.154632449	193.5518036	4.31774E-05	4.31774E-05	8.85443E-06	0.014519863	0.005483276	0.265150011	0.011401192	5.96122E-06	43.08954239	9.40121E-05	0.00027899	0.000735575	0.006962508
2026 Jun	939.4485474	2.120261431	2.744066954	0.093568861	489.6680908	0.145501211	182.0914154	7.07896E-05	7.07896E-05	8.47588E-06	0.013846738	0.005197418	0.249532342	0.011602146	5.7557E-06	41.20487213	8.9215E-05	0.000273826	0.000705872	0.006570854
2026 Jul	953.2779541	2.141428232	2.772422791	0.094532952	494.586853	0.149250895	187.0493011	6.37361E-05	6.37361E-05	8.66464E-06	0.014158893	0.005325895	0.256323934	0.01159769	5.86942E-06	42.07140732	9.1492E-05	0.000277791	0.000720705	0.006741125
2026 Aug	964.5134277	2.161160469	2.798496723	0.095418356	499.15448	0.15196529	190.5756836	5.68646E-05	5.68646E-05	8.78931E-06	0.0143573	0.005417276	0.261122167	0.011613296	5.94083E-06	42.69870377	9.29951E-05	0.000280155	0.000731519	0.006862517
2026 Sep	968.8103027	2.168562412	2.808129787	0.095744498	500.838623	0.153028548	191.9946594	5.29608E-05	5.29608E-05	8.83382E-06	0.014435599	0.005452787	0.263051033	0.011605483	5.9639E-06	42.94343948	9.3601E-05	0.000281073	0.00073573	0.006910563
2026 Oct	958.9664307	2.144443274	2.776600838	0.094668977	495.2083435	0.151914954	190.5763092	5.0454E-05	5.0454E-05	8.75815E-06	0.014319996	0.005409855	0.261100054	0.011465453	5.90938E-06	42.58712387	9.28593E-05	0.000278271	0.000729362	0.006858354
2026 Nov	960.0393677	2.146842718	2.779695988	0.094774574	495.7613525	0.152087942	190.7891388	5.0592E-05	5.0592E-05	8.76833E-06	0.014336651	0.005415976	0.261392027	0.011479638	5.91637E-06	42.63588715	9.2964E-05	0.000278597	0.000730185	0.00686608
2026 Dec	960.166626	2.147127151	2.780061483	0.094787061	495.8268127	0.152108848	190.8143311	5.06183E-05	5.06183E-05	8.76958E-06	0.014338704	0.005416709	0.261426628	0.011481484	5.91725E-06	42.64180756	9.29765E-05	0.000278638	0.000730284	0.006867002
2027 Jan	960.1743774	2.147143602	2.780081272	0.094787732	495.8305359	0.152110294	190.8157654	5.06294E-05	5.06294E-05	8.76969E-06	0.014338886	0.005416766	0.261428595	0.011481979	5.91734E-06	42.64245224	9.29774E-05	0.000278644	0.000730295	0.006867065
2027 Feb	960.1774292	2.147149563	2.780087948	0.09478797	495.8319092	0.152110755	190.8162842	5.06351E-05	5.06351E-05	8.76974E-06	0.014338952	0.005416795	0.26142922	0.011482409	5.91738E-06	42.64287186	9.29777E-05	0.000278649	0.000730303	0.006867092
2027 Mar	960.4105225	2.147670031	2.780761719	0.09481094	495.952179	0.152147681	190.8625641	5.06504E-05	5.06504E-05	8.77188E-06	0.014342445	0.005418116	0.26149261	0.011485412	5.91883E-06	42.65337753	9.30003E-05	0.000278718	0.000730484	0.006868761
2027 Apr	962.2276001	2.151732922	2.786022425	0.094990298	496.8904114	0.152435526	191.2236328	5.07479E-05	5.07479E-05	8.78848E-06	0.014369587	0.005428371	0.261987299	0.011507264	5.93004E-06	42.73416901	9.31763E-05	0.000279247	0.000731868	0.006881759
2027 May	967.810791	2.163953066	2.801830053	0.095529266	499.7139893	0.153357372	192.3784943	5.12373E-05	5.12373E-05	8.8424E-06	0.014457399	0.005461521	0.26356855	0.011586987	5.96672E-06	43.00006485	9.37424E-05	0.000281038	0.000736451	0.006923533
2027 Jun	924.9207764	2.047488213	2.651336432	0.090406075	472.8877258	0.149860024	187.8934174	5.85291E-05	5.85291E-05	8.67866E-06	0.014185238	0.005339324	0.257507145	0.011352627	5.87003E-06	42.03076172	9.17925E-05	0.000275959	0.000719335	0.006765033
2027 Jul	922.517395	2.031804323	2.631246805	0.089722857	469.2886047	0.151147306	189.5226746	5.97255E-05	5.97255E-05	8.7578E-06	0.014313707	0.005384896	0.259759337	0.01141072	5.92466E-06	42.36390305	9.26207E-05	0.000278158	0.000724912	0.006823105
2027 Aug	931.5998535	2.047391891	2.651507616	0.090412341	472.8865662	0.153365225	192.3511505	5.79837E-05	5.79837E-05	8.87571E-06	0.014506287	0.005462721	0.263623178	0.011534192	6.00017E-06	42.95861435	9.39357E-05	0.000281627	0.00073516	0.006923237
2027 Sep	924.6799316	2.026564837	2.624415636	0.089487493	468.0490112	0.153196216	192.1511536	5.54388E-05	5.54388E-05	8.85427E-06	0.014473906	0.005454611	0.263337314	0.011479499	5.98165E-06	42.88208008	9.37693E-05	0.000280696	0.00073378	0.006914622
2027 Oct	919.0700684	2.011579275	2.604831696	0.08881963	464.5605774	0.152754605	191.5779572	5.45634E-05	5.45634E-05	8.82427E-06	0.014427959	0.005437645	0.26254645	0.011434129	5.96023E-06	42.74677277	9.34682E-05	0.000279645	0.000731364	0.006893812
2027 Nov	918.9464722	2.010960579	2.603970051	0.088790454	464.4106445	0.152806908	191.6273804	5.47527E-05	5.47527E-05	8.82735E-06	0.014433493	0.005439215	0.262614757	0.011440156	5.9626E-06	42.76078796	9.34929E-05	0.000279741	0.000731553	0.006895781
2027 Dec	919.0274658	2.011133194	2.604189634	0.088797964	464.4501343	0.152822167	191.6451721	5.47818E-05	5.47818E-05	8.82829E-06	0.014435033	0.005439744	0.262639225	0.011441627	5.96327E-06	42.76512146	9.35019E-05	0.000279771	0.000731623	0.006896442
2028 Jan	919.0189819	2.011113882	2.604162931	0.08879707	464.4456177	0.152820989	191.6433105	5.47919E-05	5.47919E-05	8.82825E-06	0.014434966	0.005439707	0.262636662	0.01144192	5.96326E-06	42.76502609	9.35011E-05	0.000279772	0.000731621	0.006896386
2028 Feb	919.0427246	2.011164904	2.604228258	0.088799283	464.4573975	0.152824908	191.6481628	5.47989E-05	5.47989E-05	8.8285E-06	0.014435359	0.005439858	0.262643248	0.011442612	5.96344E-06	42.76641464	9.35036E-05	0.000279783	0.000731646	0.006896569
2028 Mar	919.09729	2.011283636	2.6043818	0.088804521	464.4848633	0.152833983	191.6594849	5.48052E-05	5.48052E-05	8.82903E-06	0.014436227	0.005440187	0.262658715	0.011443507	5.9638E-06	42.76910782	9.35091E-05	0.000279802	0.000731693	0.006896981
2028 Apr	919.958374	2.01316762	2.60682106	0.088887699	464.9199524	0.152977154	191.8390045	5.48582E-05	5.48582E-05	8.83731E-06	0.014449758	0.005445287	0.262904733	0.011454348	5.9694E-06	42.80926132	9.35967E-05	0.000280065	0.00073238	0.006903443
2028 May	923.697998	2.021348953	2.617414951	0.089248925	466.8093872	0.153599337	192.6192627	5.5082E-05	5.5082E-05	8.87326E-06	0.014508531	0.005467436	0.263974041	0.011501003	5.99368E-06	42.98343277	9.39774E-05	0.000281205	0.00073536	0.006931522
2028 Jun	895.8637695	1.945469499	2.519299984	0.085908048	449.3217163	0.15137504	189.772522	5.88757E-05	5.88757E-05	8.76513E-06	0.014329313	0.005389459	0.260116965	0.011351446	5.92812E-06	42.36681366	9.27147E-05	0.000277836	0.000724527	0.006830728
2028 Jul	890.7952271	1.92539835	2.49341464	0.085026488	444.700592	0.151975676	190.5371704	5.95151E-05	5.95151E-05	8.80265E-06	0.014390005	0.005410973	0.261173725	0.011381852	5.95414E-06	42.52526855	9.31069E-05	0.000278906	0.000727208	0.006858036
2028 Aug	903.5796509	1.95122838	2.526877642	0.086167343	450.6664429	0.154452816	193.6509857	5.99161E-05	5.99161E-05	8.94372E-06	0.014620261	0.005498889	0.265438735	0.011155872	6.04864E-06	43.21281052	9.46118E-05	0.000283315	0.000738982	0.006969771
2028 Sep	900.8086548	1.940345407	2.512706041	0.085683405	448.1363525	0.154795289	194.0999908	5.8485E-05	5.8485E-05	8.95673E-06	0.014643932	0.005510214	0.26604414	0.011563171	6.05489E-06	43.29561996	9.4795E-05	0.00028361	0.000740416	0.006985118
2028 Oct	886.2578735	1.902779698	2.463718891	0.084013417	439.4159851	0.15339154	192.2831116	5.75366E-05	5.75366E-05	8.87066E-06	0.014507337	0.005458365	0.263547778	0.011453892	5.99606E-06	42.89204407	9.38836E-05	0.000280802	0.000733312	0.006920018
2028 Nov	886.1852417	1.902420878	2.463182449	0.083995499	439.3260803	0.153430507	192.3079987	5.79619E-05	5.79619E-05	8.87379E-06	0.014512731	0.005459479	0.26358366	0.01146263	5.99886E-06	42.90401459	9.39004E-05	0.000280916	0.000733449	0.00692127
2028 Dec	886.272522	1.902608275	2.463423729	0.084003732	439.3692322	0.153445974	192.3268738	5.79777E-05	5.79777E-05	8.87471E-06	0.014514238	0.005460024	0.263609618	0.011463928	5.99949E-06	42.9083786	9.39097E-05	0.000280946	0.000733522	0.006921958
2029 Jan	886.2681274	1.9025985	2.463410139	0.084003277	439.3669434	0.153445333	192.3258667	5.7983E-05	5.7983E-05	8.87469E-06	0.0145142	0.005460004	0.263608217	0.011464078	5.99949E-06	42.90831757	9.39093E-05	0.000280946	0.000733521	0.006921927
2029 Feb	886.2659912	1.902593255	2.463403225	0.084003031	439.3657837	0.153444946	192.3253326	5.79857E-05	5.79857E-05	8.87468E-06	0.014514175	0.005459996	0.263607442	0.011464254	5.99949E-06	42.90835953	9.39091E-05	0.000280948	0.000733523	0.006921913
2029 Mar	886.312561	1.902692914	2.463531971	0.084007427	439.3887939	0.153453007	192.3354187	5.79903E-05	5.79903E-05	8.87515E-06	0.014514943	0.005460286	0.263621241	0.011464968	5.99981E-06	42.91069031	9.3914E-05	0.000280963	0.000733563	0.006922278
2029 Apr	886.59375	1.90329659	2.464313269	0.08403407	439.5281677	0.153501675	192.3964233	5.80096E-05	5.80096E-05	8.87797E-06	0.014519552	0.005462021	0.263704866	0.011468669	6.00171E-06	42.92435074	9.39439E-05	0.000281053	0.000733796	0.006924475
2029 May	888.4042969	1.90708971	2.469223022	0.084201477	440.4043579	0.15382947	192.8075562	5.81413E-05	5.81413E-05	8.89697E-06	0.014550594	0.005473727	0.26426813	0.011494339	6.01457E-06	43.0169487	9.41447E-05	0.000281664	0.000735385	0.006939291
2029 Jun	878.0250854	1.877297401	2.430676937	0.082889438	433.5433655	0.15324086	192.0308685	6.05696E-05	6.05696E-05	8.87427E-06	0.014511407	0.005453802	0.263223767	0.011477382	6.00354E-06	42.86772156	9.38319E-05	0.000281102	0.000732727	0.006912605
2029 Jul	847.8618164	1.792336106	2.320852518	0.079146646	413.9526978	0.151291788	189.601059	6.05949E-05	6.05949E-05	8.76624E-06	0.014331638	0.005384729	0.259906083	0.01131149	5.93174E-06	42.30775833	9.26701E-05	0.000277463	0.000723128	0.006824945
2029 Aug	850.223938	1.792296171	2.320837259	0.079145789	413.9464722	0.152542904	191.1808624	6.0023E-05	6.0023E-05	8.83404E-06	0.014440773	0.005428702	0.26206407	0.011389115	5.97587E-06	42.64599991	9.34062E-05	0.000279456	0.000728952	0.006881232
2029 Sep	849.0460815	1.785861731	2.312456846	0.078859672	412.4516296	0.152988985	191.7499847	5.92697E-05	5.92697E-05	8.85574E-06	0.01447731	0.005444045	0.262838483	0.011410658	5.98904E-06	42.76348495	9.36607E-05	0.000280083	0.000730968	0.00690123
2029 Oct	845.131897	1.774921417	2.298176527	0.078372844	409.9103699	0.152752474	191.4369507	5.89918E-05	5.89918E-05	8.8403E-06	0.014453496	0.005435041	0.262406975	0.011391696	5.97831E-06	42.69419479	9.34992E-05	0.000279573	0.000729724	0.006890034
2029 Nov	844.7380371	1.773709774	2.296568871	0.078318179	409.6264038	0.15275383	191.4280548	5.91236E-05	5.91236E-05	8.84052E-06	0.014454101	0.005434927	0.262395173	0.01139383	5.97867E-06	42.69465256	9.34957E-05	0.000279584	0.000729701	0.006889853
2029 Dec	844.7897949	1.773818374	2.296708345	0.07832294	409.6513977	0.152763471	191.4397125	5.91353E-05	5.91353E-05	8.84109E-06	0.014455047	0.005435266	0.262411207	0.011394663	5.97908E-06	42.69737625	9.35015E-05	0.000279602	0.000729746	0.00689028
2030 Jan	844.7879028	1.773814082	2.296702147	0.078322731	409.6503601	0.152763218	191.4392242	5.91396E-05	5.91396E-05	8.84109E-06	0.014455042	0.005435259	0.262410522	0.011394802	5.97908E-06	42.69740295	9.35013E-05	0.000279603	0.000729747	0.006890267
2030 Feb	844.8145142	1.773869634	2.296773672	0.078325167	409.663208	0.152768016	191.4452209	5.91438E-05	5.91438E-05	8.84138E-06	0.014455506	0.005435434	0.262418717	0.011395325	5.97928E-06	42.69886398	9.35043E-05	0.000279614	0.000729772	0.006890486
2030 Mar	844.9019165	1.774052858	2.297010899	0.078333259	409.7055054	0.152783796	191.4649963	5.91512E-05	5.91512E-05	8.8423E-06	0.014457005	0.005435999	0.262445807	0.011396592	5.9799E-06	42.70334625	9.35139E-05	0.000279643	0.000729849	0.006891199
2030 Apr	845.2627563	1.774810314	2.297991753	0.078366697	409.8804932	0.152849048	191.5467529	5.91771E-05	5.91771E-05	8.84608E-06	0.014463183	0.005438322	0.262557864	0.01140151	5.98246E-06	42.72161865	9.35539E-05	0.000279763	0.000730162	0.006894143
2030 May	847.9313354	1.780408263	2.305239439	0.07861387	411.1732788	0.153332427	192.1525116	5.93654E-05	5.93654E-05	8.87406E-06	0.014508926	0.005455523	0.263388187	0.011437664	6.00138E-06	42.85679626	9.38498E-05	0.000280649	0.000732472	0.006915947
2030 Jun	832.0332642	1.73671186	2.248688936	0.076688141	401.1026306	0.152129278	190.6051941	6.17436E-05	6.17436E-05	8.81671E-06	0.014413178	0.005413832	0.261289388	0.011375966	5.96722E-06	42.53673935	9.3167E-05	0.000279004	0.000726887	0.006861585
2030 Jul	818.2283325	1.695500255	2.195412874	0.074871793	391.5960083	0.15162161	190.0012817	6.08615E-05	6.08615E-05	8.78557E-06	0.014361666	0.005395802	0.26045984	0.011319035	5.94504E-06	42.38427734	9.28619E-05	0.000277883	0.000724346	0.006839193
2030 Aug	820.3620605	1.695550919	2.195504904	0.074874721	391.6100464	0.152737617	191.4116516	6.04887E-05	6.04887E-05	8.84677E-06	0.014460645	0.005435176	0.262387067	0.011390786	5.98512E-06	42.68819809	9.35256E-05	0.000279708	0.000729583	0.006889523
2030 Sep	823.3879395	1.699817538	2.201022863	0.075062707	392.5933533	0.15362832	192.5370636	6.03658E-05	6.03658E-05	8.89644E-06	0.014542205	0.005466709	0.263927013	0.011451241	6.01794E-06	42.934021	9.40645E-05	0.000281252	0.000733802	0.006929753
2030 Oct	818.7446289	1.686858654	2.184154987	0.074487485	389.5885315	0.153334498	192.1631775	5.98483E-05	5.98483E-05	8.87714E-06	0.014512022	0.005455775	0.263410926	0.011425355	6.00424E-06	42.84825897	9.38704E-05	0.000280615	0.000732309	0.006916197
2030 Nov	817.182312	1.682641029	2.178647995	0.074299805	388.6091003	0.153216586	192.0066376	5.98199E-05	5.98199E-05	8.86997E-06	0.01450075	0.00545137	0.263195962	0.011417314	5.99942E-06	42.81469345	9.37923E-05	0.000280386	0.000731708	0.006910646
2030 Dec	817.2175903	1.682713628	2.178741217	0.074302979	388.6257935	0.15322344	192.0148773	5.98292E-05	5.98292E-05	8.87038E-06	0.014501428	0.005451611	0.263207287	0.011417918	5.99971E-06	42.81663132	9.37964E-05	0.000280399	0.00073174	0.006910948
2031 Jan	817.217041	1.682712317	2.178738832	0.074302912	388.6254578	0.15322341	192.0147095	5.98329E-05	5.98329E-05	8.87039E-06	0.014501441	0.005451612	0.263207048	0.01141805	5.99973E-06	42.81670761	9.37964E-05	0.0002804	0.000731741	0.006910946
2031 Feb	817.2163086	1.682710648	2.17873621	0.074302822	388.6250916	0.153223276	192.0144958	5.98348E-05	5.98348E-05	8.87039E-06	0.014501435	0.00545161	0.26320675	0.011418177	5.99973E-06	42.81676483	9.37963E-05	0.000280401	0.000731742	0.006910941
2031 Mar	817.2575073	1.682795167	2.178845644	0.074306555	388.6445923	0.15323098	192.0241394	5.98388E-05	5.98388E-05	8.87084E-06	0.01450217	0.005451887	0.263219953	0.011418826	6.00004E-06	42.81897354	9.38011E-05	0.000280416	0.00073178	0.00691129
2031 Apr	817.9719238	1.684265971	2.180750132	0.074371502	388.984314	0.153364927	192.1919861	5.98917E-05	5.98917E-05	8.8786E-06	0.014514848	0.005456654	0.263450027	0.011428851	6.00528E-06	42.85643768	9.3883E-05	0.000280661	0.000732421	0.006917331
2031 May	819.4931641	1.686479568	2.183587074	0.074468248	389.4981689	0.15379104	192.7241058	6.03348E-05	6.03348E-05	8.90443E-06	0.01455651	0.005472386	0.264177233	0.011478491	6.02321E-06	42.98880386	9.4148E-05	0.000281617	0.00073474	0.006936845
2031 Jun	805.8587036	1.647851586	2.133400202	0.072757006	380.598053	0.152895302	191.599884	6.17644E-05	6.17644E-05	8.86056E-06	0.014481187	0.005444449	0.262622654	0.011526791	5.99642E-06	42.825634	9.36352E-05	0.000281145	0.000732348	0.006898634
2031 Jul	812.8344727	1.659874082	2.148978233	0.073288411	383.376709	0.154587418	193.7236481	6.23568E-05	6.23568E-05	8.95835E-06	0.014640816	0.005504654	0.265533626	0.011650544	6.06245E-06	43.29697418	9.46711E-05	0.000284214	0.000740411	0.006975002
2031 Aug	812.592041	1.653790951	2.141125441	0.073020391	381.9729004	0.15546599	194.8415985	6.17209E-05	6.17209E-05	9.00521E-06	0.014716847	0.005535494	0.267060339	0.011700403	6.09256E-06	43.53250885	9.519E-05	0.00028558	0.000744474	0.00701464
2031 Sep	802.9186401	1.626214862	2.105336428	0.071799837	375.5915222	0.154941127	194.1856384	6.04772E-05	6.04772E-05	8.96979E-06	0.014660073	0.005515877	0.266156137	0.011644394	6.06691E-06	43.37374496	9.48395E-05	0.000284359	0.000741722	0.006990464
2031 Oct	792.201355	1.598366737	2.06908226	0.070563994	369.135437	0.153933972	192.8899384	5.99483E-05	5.99483E-05	8.90918E-06	0.014563358	0.005478969	0.264377922	0.011566181	6.02572E-06	43.08546066	9.4196E-05	0.000282391	0.000736669	0.006944011
2031 Nov	791.8148804	1.597154379	2.067491293	0.070509821	368.8530579	0.153935507	192.8868561	5.99902E-05	5.99902E-05	8.90923E-06	0.014563623	0.005478924	0.264373779	0.011566833	6.02583E-06	43.08561325	9.41944E-05	0.000282391	0.000736655	0.006943955
2031 Dec	791.8466797	1.597218633	2.067573547	0.070512637	368.8678589	0.1539419	192.894577	5.99987E-05	5.99987E-05	8.90962E-06	0.014564255	0.00547915	0.264384389	0.0115674	6.0261E-06	43.08742523	9.41983E-05	0.000282403	0.000736685	0.006944238
2032 Jan	791.8480835	1.597221255	2.067576408	0.070512734	368.8683777	0.153942227	192.8948669	6.00022E-05	6.00022E-05	8.90965E-06	0.0145643	0.005479162	0.264384747	0.011567545	6.02612E-06	43.08758926	9.41984E-05	0.000282405	0.000736688	0.006944252
2032 Feb	791.8475342	1.597219944	2.067574501	0.070512667	368.868103	0.153942123	192.8946991	6.00039E-05	6.00039E-05	8.90965E-06	0.014564296	0.005479162	0.264384508	0.011567663	6.02612E-06	43.0876503	9.41984E-05	0.000282406	0.00073669	0.006944248
2032 Mar	791.8921509	1.597309709	2.067690611	0.070516631	368.888855	0.153950781	192.9055481	6.00083E-05	6.00083E-05	8.91015E-06	0.01456512	0.005479473	0.264399379	0.011568382	6.02647E-06	43.09012604	9.42037E-05	0.000282423	0.000736732	0.00694464

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2032 Apr	792.2629395	1.598057628	2.06865859	0.070549645	369.061554	0.154022858	192.9958496	6.00369E-05	6.00369E-05	8.91433E-06	0.014571941	0.005482039	0.264523149	0.011573836	6.02929E-06	43.11032867	9.42478E-05	0.000282555	0.000737078	0.006947892
2032 May	793.9819946	1.601385117	2.072965384	0.070696518	369.8301392	0.154379338	193.443222	6.01622E-05	6.01622E-05	8.93492E-06	0.014605603	0.005494747	0.265136093	0.011600969	6.0432E-06	43.21046448	9.44661E-05	0.000283212	0.000738794	0.006963995
2032 Jun	777.2223511	1.556415915	2.014758587	0.068714157	359.4641724	0.152931392	191.5898438	6.23245E-05	6.23245E-05	8.86282E-06	0.014485799	0.005444318	0.262616307	0.011521433	5.99886E-06	42.82235718	9.363E-05	0.000281104	0.000732054	0.006898595
2032 Jul	752.5171509	1.489046931	1.927641273	0.065743878	343.9178467	0.150986239	189.1932526	6.05822E-05	6.05822E-05	8.74747E-06	0.01429674	0.005374909	0.259329647	0.011345374	5.91923E-06	42.26015472	9.24443E-05	0.00027723	0.000722504	0.006811371
2032 Aug	751.4259644	1.481902122	1.918399096	0.065428711	342.2692566	0.151593089	189.9558258	6.02499E-05	6.02499E-05	8.77993E-06	0.014348608	0.005396066	0.260371715	0.01138094	5.94026E-06	42.42218399	9.2795E-05	0.000278166	0.000725276	0.00683849
2032 Sep	751.3604126	1.478948355	1.914561629	0.065297797	341.5852051	0.152048036	190.5292969	6.00379E-05	6.00379E-05	8.8045E-06	0.014388813	0.005411991	0.261156082	0.011409072	5.95625E-06	42.54558945	9.30635E-05	0.000278914	0.000727382	0.006858894
2032 Oct	751.1191406	1.477273464	1.912372708	0.065223157	341.1954956	0.152200207	190.7201233	5.99554E-05	5.99554E-05	8.81261E-06	0.014402451	0.00541728	0.261416644	0.011418534	5.9615E-06	42.58675003	9.31533E-05	0.000279158	0.000728082	0.006865703
2032 Nov	750.6442261	1.47578764	1.910434604	0.065157093	340.8505249	0.152197734	190.7151489	5.99259E-05	5.99259E-05	8.81223E-06	0.014402026	0.005417116	0.261409521	0.011417969	5.9612E-06	42.58553314	9.31498E-05	0.000279142	0.000728053	0.006865527
2032 Dec	749.6977539	1.473397017	1.90732336	0.065051034	340.2964478	0.15209654	190.5856476	5.98762E-05	5.98762E-05	8.80619E-06	0.014392342	0.005413432	0.26123181	0.011410262	5.9571E-06	42.55677414	9.30857E-05	0.000278948	0.000727552	0.006860882
2033 Jan	749.6981201	1.473397493	1.907323122	0.065051027	340.2965088	0.152096704	190.5856628	5.98811E-05	5.98811E-05	8.80622E-06	0.014392377	0.005413439	0.26123181	0.011410448	5.95713E-06	42.55692291	9.30858E-05	0.00027895	0.000727554	0.006860888
2033 Feb	749.7179565	1.473436117	1.907372952	0.065052725	340.305481	0.152100727	190.5906525	5.98852E-05	5.98852E-05	8.80646E-06	0.014392767	0.005413588	0.261238664	0.011410928	5.95729E-06	42.55817413	9.30882E-05	0.000278959	0.000727576	0.006861071
2033 Mar	749.8544922	1.473704219	1.907719851	0.065064549	340.3674011	0.152128398	190.6253204	5.98974E-05	5.98974E-05	8.80807E-06	0.014395393	0.005414576	0.261286169	0.011413104	5.95838E-06	42.56599426	9.31052E-05	0.000279011	0.00072771	0.006862322
2033 Apr	750.5457153	1.475062609	1.909478068	0.065124519	340.6811218	0.152268633	190.8010254	5.99534E-05	5.99534E-05	8.81619E-06	0.014408666	0.005419569	0.261527002	0.011423679	5.96388E-06	42.60527039	9.3191E-05	0.000279268	0.000728382	0.006868648
2033 May	749.0201416	1.469864964	1.90263927	0.064891495	339.4900513	0.152286708	190.806076	6.12847E-05	6.12847E-05	8.82255E-06	0.014416795	0.005422206	0.261528522	0.011491499	5.97034E-06	42.65819168	9.32173E-05	0.000279969	0.000729456	0.006870311
2033 Jun	727.9441528	1.413254142	1.829217076	0.062387489	326.4339294	0.150424182	188.4993439	6.12471E-05	6.12471E-05	8.71881E-06	0.014245025	0.005359309	0.258350372	0.01143933	5.90128E-06	42.20751572	9.21089E-05	0.000277426	0.00072216	0.006788651
2033 Jul	727.9525146	1.408312559	1.822846651	0.062170185	325.2941284	0.151235342	189.5352478	6.09035E-05	6.09035E-05	8.76347E-06	0.014318247	0.005388012	0.259767234	0.011486821	5.93041E-06	42.42686081	9.26023E-05	0.000278753	0.000725945	0.006825458
2033 Aug	732.1911011	1.414355636	1.830677509	0.06243721	326.6903992	0.152470276	191.0901794	6.10409E-05	6.10409E-05	8.83361E-06	0.014432773	0.005431855	0.261896402	0.011573981	5.97729E-06	42.76908875	9.3353E-05	0.000280935	0.000731814	0.00688122
2033 Sep	725.0452271	1.394081235	1.804349303	0.061539445	321.9960938	0.152066886	190.5811462	6.02334E-05	6.02334E-05	8.8069E-06	0.014390383	0.005416709	0.261195809	0.011530628	5.95817E-06	42.64608765	9.30858E-05	0.00028	0.00072966	0.006862548
2033 Oct	711.7511597	1.3606987	1.760896206	0.060058337	314.2569885	0.150622338	188.7248688	5.96816E-05	5.96816E-05	8.72114E-06	0.014252933	0.005363922	0.258650929	0.01141762	5.90021E-06	42.23219299	9.217E-05	0.000277204	0.000722406	0.006796008
2033 Nov	711.0413208	1.35880971	1.758406758	0.059973665	313.8161926	0.15057081	188.6469727	5.98584E-05	5.98584E-05	8.71849E-06	0.01424885	0.005361898	0.258545011	0.011416227	5.89875E-06	42.21780396	9.21338E-05	0.000277123	0.000722119	0.006793384
2033 Dec	711.0794678	1.358882785	1.758500576	0.059976868	313.8330078	0.15057902	188.6570587	5.98654E-05	5.98654E-05	8.71898E-06	0.014249643	0.005362188	0.258558869	0.011416903	5.89908E-06	42.22011948	9.21388E-05	0.000277138	0.000722158	0.0067975
2034 Jan	711.0813599	1.358886242	1.758504868	0.059977014	313.8338013	0.150579453	188.6575317	5.98677E-05	5.98677E-05	8.71901E-06	0.014249694	0.005362205	0.258559495	0.011417012	5.8991E-06	42.22028732	9.2139E-05	0.00027714	0.000722161	0.006793769
2034 Feb	711.0846558	1.35889256	1.758512855	0.059977282	313.8352356	0.150580153	188.6583862	5.98691E-05	5.98691E-05	8.71905E-06	0.014249763	0.005362232	0.258560658	0.011417141	5.89914E-06	42.22053528	9.21395E-05	0.000277142	0.000722166	0.006793801
2034 Mar	711.1216431	1.358963013	1.758603811	0.059980389	313.8515015	0.150587946	188.6681671	5.98728E-05	5.98728E-05	8.71951E-06	0.014250505	0.005362512	0.258574069	0.011417776	5.89944E-06	42.22275925	9.21442E-05	0.000277157	0.000722204	0.006794154
2034 Apr	711.6218262	1.359918714	1.759840727	0.060022578	314.0722656	0.150693879	188.8008728	5.99152E-05	5.99152E-05	8.72564E-06	0.01426053	0.005366284	0.258755922	0.011425832	5.9036E-06	42.25247574	9.22091E-05	0.000277352	0.000722712	0.006798934
2034 May	712.6647949	1.361153841	1.76141119	0.060076185	314.3599243	0.151029915	189.2184753	6.03574E-05	6.03574E-05	8.74636E-06	0.014293836	0.005378762	0.259326756	0.011467858	5.91812E-06	42.3587532	9.24186E-05	0.000278136	0.000724576	0.006814329
2034 Jun	701.9016113	1.331606746	1.723034024	0.058767788	307.5529785	0.150162429	188.1249847	6.1584E-05	6.1584E-05	8.70306E-06	0.014220168	0.005350832	0.257819951	0.011489539	5.89137E-06	42.18097687	9.19172E-05	0.000277444	0.000721812	0.006776749
2034 Jul	698.116272	1.317573667	1.704910636	0.058149766	304.315094	0.150472373	188.5334778	6.09501E-05	6.09501E-05	8.7183E-06	0.014244931	0.005361555	0.258376837	0.011494453	5.90045E-06	42.25605774	9.21005E-05	0.000277786	0.000723125	0.006790875
2034 Aug	703.40271	1.326157808	1.716021538	0.05852874	306.2980652	0.151841387	190.2512207	6.13271E-05	6.13271E-05	8.79687E-06	0.014373164	0.005410216	0.260730177	0.011595169	5.95333E-06	42.63782883	9.29344E-05	0.00028026	0.000729659	0.006852623
2034 Sep	697.3051147	1.30867517	1.693319321	0.05775461	302.2492065	0.151525006	189.8549194	6.05924E-05	6.05924E-05	8.77557E-06	0.014339851	0.005398275	0.260184258	0.011558174	5.93794E-06	42.53948593	9.2726E-05	0.000279494	0.000727937	0.006838013
2034 Oct	687.7887573	1.284561396	1.661953568	0.05668544	296.6605835	0.150521576	188.570694	6.00788E-05	6.00788E-05	8.71562E-06	0.014243826	0.005361572	0.258423597	0.011475706	5.89721E-06	42.24971771	9.20907E-05	0.000277516	0.000722864	0.00679185
2034 Nov	687.5588989	1.283777475	1.6609236	0.056650389	296.4778442	0.150533274	188.5814819	6.01223E-05	6.01223E-05	8.71631E-06	0.014245069	0.005361912	0.258438528	0.011476899	5.89773E-06	42.25269699	9.20961E-05	0.000277535	0.000722902	0.00679228
2034 Dec	687.5985718	1.283851743	1.661019087	0.056653649	296.4949646	0.15054208	188.5923462	6.0129E-05	6.0129E-05	8.71682E-06	0.014245917	0.005362224	0.258453429	0.011477614	5.89809E-06	42.25517654	9.21015E-05	0.000277552	0.000722944	0.006792673
2035 Jan	687.5997925	1.283853889	1.66102159	0.056653734	296.4954224	0.150542378	188.5926361	6.01309E-05	6.01309E-05	8.71685E-06	0.014245952	0.005362235	0.258453816	0.0114777	5.89811E-06	42.25529861	9.21016E-05	0.000277553	0.000722946	0.006792686
2035 Feb	687.6055908	1.283864617	1.661035299	0.056654204	296.4979248	0.15054363	188.5942078	6.01323E-05	6.01323E-05	8.71692E-06	0.014246074	0.005362282	0.258455992	0.011477862	5.89816E-06	42.25569916	9.21024E-05	0.000277556	0.000722953	0.006792744
2035 Mar	687.6290894	1.283908367	1.661091924	0.056656133	296.5080566	0.150548771	188.600647	6.01349E-05	6.01349E-05	8.71722E-06	0.014246562	0.005362466	0.258464783	0.011478289	5.89836E-06	42.25716782	9.21055E-05	0.000277566	0.000722978	0.006792977
2035 Apr	688.0238037	1.284645319	1.66204524	0.056688648	296.6782227	0.150635183	188.7088928	6.01697E-05	6.01697E-05	8.72223E-06	0.01425474	0.005365545	0.25861311	0.011484897	5.90175E-06	42.28143692	9.21584E-05	0.000277725	0.000723394	0.006796876
2035 May	689.6558228	1.28742075	1.665630341	0.05681093	297.3197327	0.151034877	189.2094879	6.03777E-05	6.03777E-05	8.74558E-06	0.014292805	0.005379892	0.259298742	0.011518686	5.91763E-06	42.39612579	9.24038E-05	0.000278495	0.000725367	0.006814971
2035 Jun	674.5768433	1.247892141	1.614413381	0.055065475	288.2084045	0.149554938	187.3433838	6.15353E-05	6.15353E-05	8.66772E-06	0.014163367	0.005329189	0.256744683	0.011460333	5.86779E-06	42.02058792	9.1535E-05	0.000276431	0.00071906	0.006749094
2035 Jul	671.8441162	1.236994386	1.600340366	0.054585777	285.6947937	0.14990069	187.792099	6.13219E-05	6.13219E-05	8.68682E-06	0.014194813	0.005341385	0.257360041	0.011473568	5.88013E-06	42.10984421	9.17506E-05	0.000276954	0.000720596	0.006764863
2035 Aug	672.359375	1.234068036	1.596559048	0.054456808	285.0192871	0.15065363	188.7437134	6.11103E-05	6.11103E-05	8.72832E-06	0.014262433	0.005367894	0.258662462	0.011520286	5.90738E-06	42.31425095	9.22014E-05	0.000278206	0.000724096	0.006798764
2035 Sep	663.4577026	1.210229039	1.565616369	0.053401839	279.5020752	0.149916992	187.8087921	6.03255E-05	6.03255E-05	8.6827E-06	0.014188737	0.005340728	0.257380217	0.011450924	5.87572E-06	42.09610748	9.17268E-05	0.000276655	0.000720282	0.006764813
2035 Oct	659.6460571	1.200238466	1.552595139	0.052958131	277.184021	0.149577171	187.3636169	6.02727E-05	6.02727E-05	8.66251E-06	0.014156676	0.00532811	0.256770432	0.011424	5.86221E-06	41.99731445	9.15074E-05	0.000275984	0.000718518	0.006748929
2035 Nov	656.6535034	1.192798138	1.542919159	0.052628297	275.4598389	0.149237931	186.9304352	6.01047E-05	6.01047E-05	8.64232E-06	0.014124263	0.005315735	0.256176591	0.01139625	5.8485E-06	41.89957428	9.12934E-05	0.000275319	0.000716811	0.006733354
2035 Dec	656.6834717	1.192852616	1.542988539	0.05263067	275.4723206	0.149244994	186.9388733	6.0115E-05	6.0115E-05	8.64275E-06	0.014124962	0.005315983	0.256188214	0.011396892	5.8488E-06	41.901577	9.12976E-05	0.000275333	0.000716844	0.006733664
2036 Jan	656.6829224	1.192851543	1.542986989	0.052630614	275.4720459	0.149244905	186.9386902	6.01172E-05	6.01172E-05	8.64275E-06	0.014124963	0.005315981	0.256187946	0.011396965	5.8488E-06	41.90159988	9.12976E-05	0.000275334	0.000716844	0.006733659
2036 Feb	656.6831665	1.192851782	1.542987108	0.052630622	275.4721069	0.149244934	186.9387207	6.01184E-05	6.01184E-05	8.64275E-06	0.014124971	0.005315985	0.256187975	0.011397051	5.84881E-06	41.90166855	9.12976E-05	0.000275335	0.000716846	0.006733662
2036 Mar	656.6843872	1.192854047	1.54298985	0.052630711	275.4726257	0.149245217	186.9390411	6.01191E-05	6.01191E-05	8.64277E-06	0.014125001	0.005315996	0.256188422	0.011397117	5.84882E-06	41.90178299	9.12978E-05	0.000275335	0.000716848	0.006733675
2036 Apr	657.0993042	1.193566442	1.543911099	0.052662134	275.6371765	0.149346024	187.0655365	6.01556E-05	6.01556E-05	8.6486E-06	0.01413452	0.005319595	0.256361693	0.011404989	5.85276E-06	41.93025208	9.13595E-05	0.000275523	0.000717336	0.006738232
2036 May	658.7727051	1.19646728	1.54766202	0.052790068	276.3072205	0.149748251	187.569931	6.03097E-05	6.03097E-05	8.67187E-06	0.014172545	0.005333951	0.25705269	0.011436359	5.8685E-06	42.04375458	9.16057E-05	0.00027627	0.000719283	0.006756405
2036 Jun	650.5302734	1.174323678	1.519013047	0.051814079	271.2028198	0.149032608	186.6649933	6.10062E-05	6.10062E-05	8.63492E-06	0.014111384	0.005309023	0.255819947	0.011393047	5.84508E-06	41.85043335	9.11906E-05	0.000275171	0.000715958	0.00672426
2036 Jul	645.8311768	1.159216404	1.499495506	0.051148936	267.7192078	0.149036691	186.6752319	6.0922E-05	6.0922E-05	8.63506E-06	0.014111003	0.00530901	0.255835563	0.011382807	5.84504E-06	41.84379959	9.11941E-05	0.000275075	0.000715834	0.00672442
2036 Aug	649.2218628	1.163920403	1.505583644	0.051356643	268.8061218	0.150045991	187.9415894	6.11824E-05	6.11824E-05	8.6929E-06	0.014205331	0.005344866	0.257570356	0.011456529	5.88395E-06	42.1247673	9.18081E-05	0.000276889	0.000720643	0.006769933
2036 Sep	647.0456543	1.156491876	1.495953441	0.051028192	267.0875549	0.150124133	188.0456543	6.07821E-05	6.07821E-05	8.69561E-06	0.014210213	0.005347364	0.257711232	0.011454067	5.88507E-06	42.14131165	9.18489E-05	0.000276925	0.000720923	0.006773396
2036 Oct	643.1345215	1.146364808	1.482775807	0.050579023	264.7399597	0.149747238	187.5611267	6.05884E-05	6.05884E-05	8.67298E-06	0.014174103	0.005333513	0.257046878	0.01142287	5.8697E-06	42.03200531	9.16087E-05	0.000276175	0.000719002	0.006755993
2036 Nov	642.1851807	1.143854737	1.479510427	0.050467711	264.1581421	0.149664044	187.454422	6.05304E-05	6.05304E-05	8.66793E-06	0.014166057	0.005330445	0.256900489	0.011415699	5.86624E-06	42.00770187	9.15555E-05	0.000276005	0.000718574	0.00675215
2036 Dec	641.8477173	1.14302361	1.47842896	0.050430853	263.9654846	0.149624556	187.4037323	6.05172E-05	6.05172E-05	8.66559E-06	0.014162311	0.005329004	0.25683102	0.011412589	5.86467E-06	41.99637985	9.15306E-05	0.000275929	0.000718376	0.006750333
2037 Jan	641.850769	1.143028975	1.478435516	0.050431076	263.9667053	0.149625301	187.4045868	6.052E-05	6.052E-05	8.66565E-06	0.014162393	0.005329032	0.256832182	0.011412736	5.86471E-06	41.99664307	9.1531E-05	0.000275931	0.000718381	0.006750366
2037 Feb	641.859375	1.143043995	1.478454828	0.050431736	263.9701843	0.149627268	187.4070282	6.05221E-05	6.05221E-05	8.66576E-06	0.014162585	0.005329106	0.25683555	0.011412979	5.86479E-06	41.99726486	9.15323E-05	0.000275936	0.000718391	0.006750457
2037 Mar	641.9454956	1.143197298	1.478653073	0.050438493	264.0056152	0.14964734	187.4321747	6.05309E-05	6.05309E-05	8.66693E-06	0.014164488	0.005329822	0.256869972	0.01141456	5.86558E-06	42.0029335	9.15445E-05	0.000275973	0.000718489	0.006751363
2037 Apr	642.1848145	1.143623471	1.479204178	0.050457295	264.1040039	0.14970313	187.5020294	6.05539E-05	6.05539E-05	8.67016E-06	0.014169769	0.00533181	0.256965727	0.011418845	5.86777E-06	42.01861572	9.15787E-05	0.000276076	0.000718757	0.00675388
2037 May	641.0110474	1.139917135	1.47434485	0.050291695	263.2538147	0.149673313	187.4551239	6.13066E-05	6.13066E-05	8.67154E-06	0.014170676	0.005331916	0.256898344	0.011454981	5.86994E-06	42.03799057	9.15697E-05	0.000276409	0.000719188	0.006753042
2037 Jun	628.5397949	1.107022524	1.431723595	0.048838064	255.6681671	0.148464993	185.9645844	6.09769E-05	6.09769E-05	8.60313E-06	0.014057816	0.005290611	0.25484699	0.011402215	5.8239E-06	41.73206329	9.08487E-05	0.00027458	0.000714177	0.006699865
2037 Jul	630.1270752	1.107366085	1.43217659	0.048853654	255.7488708	0.14923881	186.939209	6.11363E-05	6.11363E-05	8.64748E-06	0.014130236	0.005318108	0.256182492	0.011456162	5.85365E-06	41.94604492	9.13221E-05	0.000275953	0.000717842	0.006734822
2037 Aug	631.8632813	1.108235836	1.433306217	0.048892174	255.9499969	0.150005773	187.9072571	6.11287E-05	6.11287E-05	8.6907E-06	0.014200891	0.005345301	0.257507831	0.011508528	5.88239E-06	42.15767288	9.17877E-05	0.000277291	0.000721473	0.006769465
2037 Sep	631.8272095	1.105925918	1.4303056	0.048789855	255.4147186	0.150367036	188.3635101	6.10122E-05	6.10122E-05	8.71051E-06	0.014233562	0.005357986	0.25813216	0.011530674	5.89537E-06	42.25557327	9.20044E-05	0.00027789	0.000723145	0.006785722
2037 Oct	628.6763916	1.09765017	1.419541717	0.048422951	253.496521	0.150081858	187.9976654	6.08239E-05	6.08239E-05	8.69323E-06	0.014206043	0.005347467	0.257630527	0.01150568	5.88356E-06	42.17192841	9.18224E-05	0.000277307	0.000721673	0.006772544
2037 Nov	628.3580933	1.09667182	1.418263555	0.04837941	253.2691956	0.150077909	187.990097	6.08361E-05	6.08361E-05	8.69294E-06	0.014205695	0.005347259	0.257620215	0.011505248	5.88339E-06	42.17036438	9.18185E-05	0.000277294	0.000721636	0.006772292
2037 Dec	628.3979492	1.096738935	1.418349981	0.04838236	253.284668	0.150087938	188.0025635	6.08423E-05	6.08423E-05	8.69353E-06	0.014206654	0.005347616	0.257637262	0.011506046	5.88379E-06	42.17319107	9.18246E-05	0.000277313	0.000721684	0.006772743
2038 Jan	628.4006958	1.096743584	1.418355823	0.048382562	253.2857361	0.150088608	188.0033417	6.0844E-05	6.0844E-05	8.69358E-06	0.014206724	0.00534764	0.257638335	0.011506149	5.88382E-06	42.17340851	9.1825E-05	0.000277314	0.000721688	0.006772772
2038 Feb	628.4025269	1.096746802	1.418359876	0.048382699	253.2864838	0.150089055	188.0038757	6.08449E-05	6.08449E-05	8.6936E-06	0.014206768	0.005347657	0.25763908	0.011506234	5.88384E-06	42.17357254	9.18253E-05	0.000277316	0.000721691	0.006772793
2038 Mar	628.4186401	1.096774817	1.418395996	0.048383929	253.2929535	0.15009287	188.0086823	6.08469E-05	6.08469E-05	8.69383E-06	0.014207133	0.005347795	0.257645637	0.011506557	5.884E-06	42.17466736	9.18276E-05	0.000277323	0.00072171	0.006772966
2038 Apr	628.6286621	1.097141266	1.418870091	0.0484001	253.3776093	0.150143057	188.0715027	6.08674E-05	6.08674E-05	8.69673E-06	0.014211883	0.005349583	0.257731766	0.011510419	5.88596E-06	42.18877411	9.18583E-05	0.000277416	0.000721951	0.00677523
2038 May	628.8887329	1.096682549	1.418254614	0.048379149	253.2736664	0.150346145	188.3244171	6.1158E-05	6.1158E-05	8.70938E-06	0.014232134	0.005357218	0.258076996	0.011538381	5.89486E-06	42.25502396	9.19857E-05	0.000277915	0.000723123	0.006784597
2038 Jun	619.9691162	1.07279706	1.387274742	0.047322731	247.7683258	0.149528965	187.3076477	6.14723E-05	6.14723E-05	8.66525E-06	0.014158485	0.005329896	0.256677091	0.011523912	5.86604E-06	42.06296158	9.15039E-05	0.0002769	0.000720029	0.006748838
2038 Jul	623.9568481	1.078661203	1.394860387	0.047581624	249.1235352	0.150659055	188.7232971	6.19694E-05	6.19694E-05	8.73092E-06	0.014265724	0.00537016	0.258617759	0.0116096	5.91054E-06	42.37977219	9.21966E-05	0.000278985	0.000725446	0.0067983
2038 Aug	626.2731323	1.080062866	1.396675229	0.047643553	249.447464	0.151642635	189.9620819	6.20364E-05	6.20364E-05	8.78659E-06	0.014356677	0.005405034	0.260314286	0.011678004	5.94768E-06	42.65177917	9.27936E-05	0.000280717	0.000730106	0.006844211
2038 Sep	624.460144	1.07369554	1.388418555	0.047361977	247.9738312	0.151735798	190.0838928	6.1709E-05	6.1709E-05	8.79045E-06	0.014363509	0.005408084	0.260479867	0.011677149	5.9497E-06	42.67270279	9.28451E-05	0.000280789	0.000730458	0.006848352
2038 Oct	622.5371704	1.068341255	1.38145256	0.047124542	246.7324982	0.151611552	189.9225311	6.15987E-05	6.15987E-05	8.78269E-06	0.014351341	0.005403397	0.260258555	0.01166499	5.94436E-06	42.63504028	9.27638E-05	0.000280517	0.000729784	0.006842528
2038 Nov	622.5968018	1.068300009	1.381395221	0.047122609	246.7225494	0.151650354	189.9703674	6.16172E-05	6.16172E-05	8.78491E-06	0.014355015	0.005404759	0.26032415	0.011667891	5.94587E-06	42.64578247	9.27871E-05	0.000280586	0.000729965	0.006844257
2038 Dec	622.6138306	1.068329453	1.381432891	0.047123894	246.7292938	0.151654631	189.9755554	6.16223E-05	6.16223E-05	8.78517E-06	0.014355435	0.00540491	0.260331273	0.011668269	5.94604E-06	42.64699554	9.27896E-05	0.000280595	0.000729986	0.006844447
2039 Jan	622.6157837	1.068332553	1.381436706	0.047124028	246.730011	0.151655108	189.9760895	6.16239E-05	6.16239E-05	8.7852E-06	0.014355486	0.005404927	0.260332018	0.011668357	5.94607E-06	42.64716339	9.27899E-05	0.000280596	0.000729988	0.006844468
2039 Feb	622.616394	1.068333626	1.381438017	0.047124069	246.7302856	0.151655272	189.9762878	6.16248E-05	6.16248E-05	8.78521E-06	0.014355504	0.005404934	0.260332257	0.011668423	5.94608E-06	42.64724731	9.279E-05	0.000280597	0.00072999	0.006844476

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2039 Mar	622.6709595	1.068427205	1.381558895	0.047128197	246.7518921	0.151668549	189.9929199	6.16306E-05	6.16306E-05	8.78598E-06	0.014356763	0.005405408	0.260355026	0.011669475	5.9466E-06	42.65100098	9.27981E-05	0.000280622	0.000730054	0.006845076
2039 Apr	622.876709	1.068780184	1.382015347	0.047143765	246.8334198	0.151718661	190.0556793	6.16512E-05	6.16512E-05	8.78889E-06	0.014361507	0.005407195	0.260441035	0.011673347	5.94857E-06	42.66510391	9.28288E-05	0.000280715	0.000730296	0.006847337
2039 May	623.8446655	1.070322037	1.384008765	0.047211766	247.1895294	0.151973531	190.3754578	6.17417E-05	6.17417E-05	8.80361E-06	0.014385573	0.005416284	0.260879129	0.011692926	5.95851E-06	42.73682785	9.29848E-05	0.000281185	0.000731525	0.006858851
2039 Jun	614.5839233	1.046615005	1.353361487	0.046167865	241.723114	0.150985956	189.1257477	6.23709E-05	6.23709E-05	8.75103E-06	0.014299162	0.005381241	0.259177864	0.01161617	5.92459E-06	42.4569931	9.24035E-05	0.000279481	0.000726654	0.00681412
2039 Jul	603.2269897	1.01598537	1.3137815	0.044818666	234.6568756	0.150037333	187.9436646	6.1715E-05	6.1715E-05	8.69519E-06	0.014206707	0.00534701	0.257559419	0.011523792	5.88635E-06	42.17531967	9.18179E-05	0.000277505	0.000721812	0.006771149
2039 Aug	599.6849976	1.004487872	1.29891932	0.044312302	232.0065002	0.150074825	187.9725952	6.17314E-05	6.17314E-05	8.6966E-06	0.014206472	0.0053478	0.257598549	0.011519594	5.88732E-06	42.17630005	9.18175E-05	0.000277402	0.000721787	0.006772227
2039 Sep	599.6561279	1.002466679	1.296289206	0.044222649	231.5377655	0.150392681	188.3724365	6.16693E-05	6.16693E-05	8.71416E-06	0.014235433	0.005358958	0.258145869	0.011539762	5.89889E-06	42.26274109	9.20081E-05	0.000277936	0.000723259	0.006786504
2039 Oct	598.4611816	0.999038458	1.291832924	0.044070724	230.7432709	0.150331035	188.2938538	6.15542E-05	6.15542E-05	8.71008E-06	0.014229123	0.005356614	0.258037776	0.011532761	5.89599E-06	42.24354935	9.19674E-05	0.000277789	0.000722918	0.00678363
2039 Nov	598.6409302	0.99933207	1.292211533	0.044083647	230.8110046	0.150377482	188.3516998	6.15791E-05	6.15791E-05	8.71278E-06	0.014233545	0.005358266	0.25811708	0.011536403	5.89783E-06	42.25661087	9.19958E-05	0.000277875	0.000723141	0.006785719
2039 Dec	598.6743774	0.99938792	1.292283654	0.044086106	230.8238831	0.150385931	188.3622131	6.15842E-05	6.15842E-05	8.71328E-06	0.014234354	0.005358567	0.258131474	0.011537074	5.89817E-06	42.25899124	9.20009E-05	0.000277891	0.000723181	0.006786099
2040 Jan	598.6740723	0.999387443	1.29228282	0.04408608	230.823761	0.150385886	188.3621063	6.15851E-05	6.15851E-05	8.71328E-06	0.014234351	0.005358565	0.258131325	0.011537101	5.89817E-06	42.25899506	9.20009E-05	0.000277891	0.000723181	0.006786095
2040 Feb	598.6762695	0.999391079	1.292287469	0.04408624	230.8246002	0.150386438	188.3627777	6.15858E-05	6.15858E-05	8.71331E-06	0.014234404	0.005358585	0.258132249	0.011537177	5.89819E-06	42.25917435	9.20012E-05	0.000277892	0.000723185	0.006786121
2040 Mar	598.7324219	0.999484658	1.292408586	0.044090368	230.8462372	0.150400519	188.3804169	6.15918E-05	6.15918E-05	8.71413E-06	0.01423574	0.005359088	0.258156419	0.011538277	5.89875E-06	42.26314926	9.20098E-05	0.000277919	0.000723253	0.006786757
2040 Apr	598.9266968	0.999809146	1.292827964	0.044104677	230.9211578	0.150449321	188.4415588	6.16119E-05	6.16119E-05	8.71696E-06	0.014240361	0.005360827	0.258240223	0.011542032	5.90066E-06	42.27687454	9.20397E-05	0.000278009	0.000723487	0.00678896
2040 May	599.6095581	1.000620842	1.293866515	0.044140138	231.1096039	0.150671095	188.717926	6.1823E-05	6.1823E-05	8.7303E-06	0.014261941	0.005368921	0.258618414	0.011565288	5.90989E-06	42.3437233	9.21769E-05	0.000278482	0.000724648	0.006799053
2040 Jun	590.8652344	0.978219688	1.264802575	0.043149337	225.947464	0.149712265	187.5114136	6.25408E-05	6.25408E-05	8.67967E-06	0.014177469	0.005336572	0.256961972	0.011544246	5.87742E-06	42.11344528	9.16122E-05	0.000277276	0.000720862	0.006756711
2040 Jul	590.8318481	0.974841177	1.260442138	0.043000732	225.1683807	0.150243804	188.1869965	6.2485E-05	6.2485E-05	8.70962E-06	0.014226605	0.005355424	0.257887363	0.011577225	5.89724E-06	42.25826263	9.19383E-05	0.000278182	0.000723349	0.006780799
2040 Aug	591.8040771	0.97410202	1.259489417	0.042968273	224.9981384	0.150874376	188.982666	6.24586E-05	6.24586E-05	8.74504E-06	0.014284418	0.005377749	0.258976549	0.011619478	5.92076E-06	42.43151093	9.232E-05	0.000279268	0.000726321	0.00680926
2040 Sep	590.9065552	0.970213056	1.254450321	0.042796444	224.0989685	0.151042804	189.1961517	6.22867E-05	6.22867E-05	8.75375E-06	0.014298718	0.005383546	0.259268612	0.011626825	5.92626E-06	42.47507858	9.24177E-05	0.000279512	0.000727058	0.006816771
2040 Oct	590.6271362	0.968954921	1.252803087	0.042740349	223.8061981	0.15110667	189.2725525	6.23176E-05	6.23176E-05	8.75731E-06	0.014304736	0.005385712	0.259373367	0.011631171	5.92868E-06	42.49212646	9.24544E-05	0.000279618	0.000727335	0.006819543
2040 Nov	590.7686768	0.969120383	1.253014565	0.042747576	223.8441772	0.151154414	189.3317871	6.23428E-05	6.23428E-05	8.76007E-06	0.014309275	0.005387401	0.259454578	0.01163487	5.93056E-06	42.50549316	9.24834E-05	0.000279706	0.000727562	0.006821683
2040 Dec	590.7871094	0.969150603	1.253053427	0.042748902	223.8511353	0.151159167	189.337677	6.23465E-05	6.23465E-05	8.76035E-06	0.014309733	0.005387571	0.259462625	0.011635262	5.93075E-06	42.50683975	9.24863E-05	0.000279715	0.000727585	0.006821896
2041 Jan	590.7918091	0.969158292	1.253063202	0.042749237	223.8529053	0.151160389	189.3391571	6.23479E-05	6.23479E-05	8.76043E-06	0.014309852	0.005387614	0.259464651	0.011635387	5.9308E-06	42.50720215	9.2487E-05	0.000279717	0.000727591	0.006821951
2041 Feb	590.796875	0.969166577	1.253073812	0.042749602	223.8548126	0.151161671	189.3407745	6.23489E-05	6.23489E-05	8.7605E-06	0.014309976	0.005387661	0.259466887	0.011635521	5.93086E-06	42.50758743	9.24878E-05	0.00027972	0.000727597	0.00682201
2041 Mar	590.8410034	0.969238877	1.253167272	0.042752787	223.871521	0.151172951	189.3548889	6.23538E-05	6.23538E-05	8.76116E-06	0.014311044	0.005388063	0.259486228	0.011636408	5.9313E-06	42.51077271	9.24947E-05	0.000279741	0.000727652	0.006822519
2041 Apr	590.9847412	0.969474733	1.253472209	0.042763192	223.9259949	0.151209742	189.4009552	6.23691E-05	6.23691E-05	8.76329E-06	0.014314528	0.005389375	0.25954935	0.01163925	5.93274E-06	42.52112579	9.25172E-05	0.000279809	0.000727829	0.006824179
2041 May	591.5744019	0.970287263	1.25452137	0.042798989	224.1138	0.151385248	189.6211853	6.24407E-05	6.24407E-05	8.77347E-06	0.014331144	0.005395656	0.259850979	0.011653364	5.93964E-06	42.57099152	9.26248E-05	0.00028014	0.000728686	0.006832121
2041 Jun	585.2579956	0.954198778	1.233719587	0.042090647	220.4047852	0.150702149	188.7507629	6.31394E-05	6.31394E-05	8.73812E-06	0.014272948	0.005371463	0.258667916	0.011603084	5.91729E-06	42.37878418	9.22259E-05	0.000279009	0.000725322	0.006801107
2041 Jul	576.4880981	0.930925965	1.203643799	0.041065365	215.0343323	0.149905905	187.7664795	6.25894E-05	6.25894E-05	8.69161E-06	0.014197095	0.005342906	0.257321388	0.011526358	5.88544E-06	42.14491653	9.1745E-05	0.000277412	0.000721309	0.006765261
2041 Aug	578.6931763	0.932861626	1.206147075	0.041150827	215.481842	0.150746047	188.8215485	6.27668E-05	6.27668E-05	8.73961E-06	0.014275393	0.005372739	0.258766651	0.01158705	5.91766E-06	42.37843704	9.22557E-05	0.000278914	0.000725307	0.006803153
2041 Sep	578.4433594	0.930440247	1.203008056	0.041043773	214.9216309	0.151012599	189.1596985	6.26356E-05	6.26356E-05	8.75408E-06	0.014299233	0.005382095	0.259229213	0.011602588	5.92707E-06	42.45029449	9.24154E-05	0.000279347	0.000726537	0.006815164
2041 Oct	577.4069824	0.927338481	1.198975325	0.040906288	214.202652	0.150981247	189.1192932	6.25292E-05	6.25292E-05	8.75175E-06	0.014295767	0.005380834	0.259173423	0.01159788	5.92534E-06	42.43962097	9.23933E-05	0.000279256	0.000726343	0.006813663
2041 Nov	577.5823975	0.927538693	1.19923079	0.040915024	214.2485657	0.151041254	189.1936493	6.25631E-05	6.25631E-05	8.75524E-06	0.014301484	0.005382957	0.259275377	0.011602561	5.92771E-06	42.45643234	9.24297E-05	0.000279367	0.000726628	0.006816351
2041 Dec	577.6140747	0.927589536	1.199296355	0.040917259	214.2602997	0.151049599	189.2039948	6.25684E-05	6.25684E-05	8.75572E-06	0.01430228	0.005383254	0.259289533	0.011603226	5.92805E-06	42.45877838	9.24348E-05	0.000279383	0.000726668	0.006816725
2042 Jan	577.6227417	0.927603483	1.199314237	0.040917873	214.2635193	0.151051879	189.2068329	6.25703E-05	6.25703E-05	8.75586E-06	0.014302501	0.005383336	0.259293437	0.011603437	5.92814E-06	42.45944595	9.24362E-05	0.000279387	0.00072668	0.006816828
2042 Feb	577.6246338	0.927606344	1.199317932	0.040917996	214.2641907	0.151052341	189.2074127	6.2571E-05	6.2571E-05	8.75589E-06	0.014302547	0.005383354	0.259294242	0.011603509	5.92816E-06	42.45960236	9.24365E-05	0.000279388	0.000726682	0.00681685
2042 Mar	577.6555786	0.927656054	1.199382067	0.040920191	214.2756805	0.151060447	189.2175598	6.25746E-05	6.25746E-05	8.75636E-06	0.014303314	0.005383642	0.25930813	0.011604151	5.92848E-06	42.46189499	9.24414E-05	0.000279404	0.000726722	0.006817215
2042 Apr	577.9847412	0.928184628	1.200065613	0.040943503	214.3977509	0.151146516	189.3253632	6.26104E-05	6.26104E-05	8.76135E-06	0.014311465	0.005386711	0.25945586	0.011610774	5.93186E-06	42.48609924	9.24941E-05	0.000279563	0.000727136	0.0068211
2042 May	579.0853271	0.929757357	1.20209527	0.041012757	214.7613525	0.151464835	189.7240601	6.27687E-05	6.27687E-05	8.77992E-06	0.014341739	0.005398118	0.260001987	0.0116371	5.94447E-06	42.57699203	9.26894E-05	0.00028017	0.000728698	0.0068355
2042 Jun	573.9173584	0.91622597	1.184597254	0.040416662	211.6408844	0.150961548	189.0893097	6.30647E-05	6.30647E-05	8.75309E-06	0.014297729	0.005380324	0.259137511	0.011598939	5.92712E-06	42.43546295	9.23944E-05	0.000279314	0.000726244	0.006812776
2042 Jul	568.9925537	0.902134359	1.166385531	0.03979598	208.3901672	0.150682122	188.741394	6.29241E-05	6.29241E-05	8.73695E-06	0.01427092	0.005370198	0.258662492	0.011568749	5.91615E-06	42.35021973	9.22241E-05	0.000278714	0.000724767	0.006800093
2042 Aug	564.0769653	0.888417363	1.148631096	0.039190661	205.2227173	0.150358722	188.3306427	6.24603E-05	6.24603E-05	8.71636E-06	0.014236245	0.005358123	0.258099616	0.011533819	5.90168E-06	42.25074768	9.2007E-05	0.000277971	0.000723025	0.006785035
2042 Sep	561.6222534	0.881278753	1.139370084	0.038874984	203.5720673	0.150248691	188.1853027	6.23046E-05	6.23046E-05	8.7091E-06	0.0142241	0.005353838	0.257901192	0.011521035	5.8966E-06	42.21567917	9.19284E-05	0.000277708	0.000722385	0.006779709
2042 Oct	559.9700317	0.876886547	1.13365972	0.038680296	202.5540466	0.150106758	188.0049286	6.21554E-05	6.21554E-05	8.70031E-06	0.014210174	0.005348596	0.257653534	0.011507785	5.8905E-06	42.1736908	9.18378E-05	0.000277408	0.000721649	0.006773176
2042 Nov	560.1598511	0.87715286	1.134002566	0.038692005	202.6154175	0.15016304	188.0750427	6.21834E-05	6.21834E-05	8.70358E-06	0.014215521	0.005350595	0.257749647	0.011512147	5.89272E-06	42.18948746	9.1872E-05	0.000277512	0.000721918	0.006775707
2042 Dec	560.1815186	0.877186835	1.134046316	0.038693495	202.6232605	0.150168896	188.0822906	6.21872E-05	6.21872E-05	8.70392E-06	0.014216079	0.005350803	0.257759601	0.011512615	5.89295E-06	42.19113541	9.18756E-05	0.000277523	0.000721946	0.006775969
2043 Jan	560.18396	0.87719059	1.134051085	0.038693659	202.6241302	0.150169551	188.0830841	6.21882E-05	6.21882E-05	8.70396E-06	0.014216146	0.005350827	0.257760704	0.011512691	5.89298E-06	42.19133759	9.1876E-05	0.000277525	0.00072195	0.006775999
2043 Feb	560.1854858	0.877192914	1.134054184	0.03869376	202.6246796	0.150169939	188.0835876	6.21888E-05	6.21888E-05	8.70398E-06	0.014216186	0.005350843	0.257761359	0.01151275	5.893E-06	42.1914711	9.18763E-05	0.000277526	0.000721952	0.006776017
2043 Mar	560.1990356	0.877214193	1.134081602	0.038694698	202.6295776	0.15017359	188.08815	6.21905E-05	6.21905E-05	8.7042E-06	0.01421653	0.005350973	0.257767618	0.011513043	5.89314E-06	42.19250488	9.18785E-05	0.000277533	0.00072197	0.006776182
2043 Apr	560.4954834	0.877678394	1.134681702	0.038715173	202.7368164	0.150253057	188.1876678	6.22235E-05	6.22235E-05	8.7088E-06	0.014224054	0.005353804	0.257903993	0.011519144	5.89626E-06	42.21483612	9.19271E-05	0.00027768	0.000722352	0.006779767
2043 May	561.4980469	0.878984153	1.136363387	0.038772568	203.0389709	0.150562897	188.5753174	6.24093E-05	6.24093E-05	8.727E-06	0.014253673	0.005364954	0.258434892	0.01154633	5.90868E-06	42.30443192	9.21175E-05	0.000278287	0.000723896	0.006793804
2043 Jun	555.7559204	0.864256859	1.117250204	0.038121	199.645462	0.149934322	187.7837372	6.29447E-05	6.29447E-05	8.69409E-06	0.014198695	0.005343845	0.257347852	0.011535623	5.88768E-06	42.15572357	9.17486E-05	0.000277529	0.00072146	0.006766093
2043 Jul	556.4276733	0.862486064	1.114964604	0.038043242	199.2380219	0.150575712	188.5900726	6.30807E-05	6.30807E-05	8.7308E-06	0.014258458	0.005366594	0.258452713	0.011579772	5.91232E-06	42.33229828	9.21392E-05	0.000278653	0.000724481	0.006795022
2043 Aug	557.3237915	0.861487567	1.113668561	0.037999138	199.0076141	0.151210949	189.3875275	6.31335E-05	6.31335E-05	8.76668E-06	0.014316895	0.005389047	0.259545118	0.011623512	5.93628E-06	42.50727081	9.25221E-05	0.000279763	0.000727469	0.006823594
2043 Sep	556.1082764	0.857141376	1.108037114	0.037807111	198.0028534	0.151287794	189.4853058	6.2947E-05	6.2947E-05	8.77015E-06	0.014322577	0.00539158	0.259678721	0.011624332	5.93827E-06	42.52534866	9.25634E-05	0.000279843	0.000727768	0.006826953
2043 Oct	554.9306641	0.854001224	1.103932858	0.037667312	197.272995	0.151194289	189.3584747	6.29909E-05	6.29909E-05	8.76467E-06	0.014314013	0.005388035	0.259505332	0.01161742	5.93471E-06	42.49794769	9.25015E-05	0.00027966	0.000727265	0.006822479
2043 Nov	554.0784302	0.852014661	1.101324558	0.037578538	196.8101959	0.151082158	189.2067566	6.31083E-05	6.31083E-05	8.75845E-06	0.014304073	0.005383869	0.259298176	0.011610652	5.93076E-06	42.46627045	9.2429E-05	0.000279462	0.000726688	0.006817161
2043 Dec	554.0977783	0.852044582	1.101362705	0.037579846	196.8170776	0.151087537	189.2133331	6.31135E-05	6.31135E-05	8.75877E-06	0.014304594	0.00538406	0.259307176	0.011611108	5.93098E-06	42.46779251	9.24322E-05	0.000279472	0.000726714	0.006817401
2044 Jan	554.1032104	0.852052867	1.101373315	0.037580207	196.818985	0.151089042	189.2151489	6.31154E-05	6.31154E-05	8.75886E-06	0.014304741	0.005384113	0.259309679	0.011611267	5.93104E-06	42.46823883	9.24331E-05	0.000279475	0.000726721	0.006817468
2044 Feb	554.1282349	0.852091253	1.101422787	0.037581895	196.8278656	0.151095837	189.2236786	6.31189E-05	6.31189E-05	8.75925E-06	0.014305388	0.005384357	0.259321362	0.011611836	5.93131E-06	42.47018814	9.24373E-05	0.000279488	0.000726755	0.006817776
2044 Mar	554.1802979	0.852171361	1.10152626	0.03758543	196.8463593	0.151110038	189.2414551	6.31252E-05	6.31252E-05	8.76008E-06	0.014306733	0.005384864	0.25934571	0.011612953	5.93187E-06	42.47419357	9.2446E-05	0.000279515	0.000726823	0.006818417
2044 Apr	554.3095703	0.852370024	1.101783156	0.037594188	196.8922577	0.151145279	189.2855682	6.31401E-05	6.31401E-05	8.76212E-06	0.01431007	0.00538612	0.259406179	0.011615674	5.93326E-06	42.48410797	9.24676E-05	0.00027958	0.000726993	0.006820007
2044 May	555.2022705	0.853695631	1.103495955	0.037652638	197.1985321	0.15139617	189.5998688	6.3247E-05	6.3247E-05	8.77668E-06	0.014333838	0.005395072	0.259836853	0.011635239	5.94312E-06	42.55485916	9.26211E-05	0.000280047	0.000728205	0.006831335
2044 Jun	535.3547974	0.815784037	1.054438949	0.03599897	188.5966034	0.147518501	184.0562592	8.51152E-05	8.51152E-05	8.63552E-06	0.013973241	0.005241067	0.252220482	0.011461209	5.88586E-06	41.4479599	9.00117E-05	0.00027421	0.00070812	0.006647874
2044 Jul	500.7394409	0.75802058	0.97968024	0.033503335	175.6805878	0.139775932	172.4041138	0.000147387	0.000147387	8.4181E-06	0.013247115	0.004918759	0.236185223	0.011198084	5.84554E-06	39.20689392	8.45534E-05	0.000263289	0.000666507	0.006273801
2044 Aug	552.1126099	0.798926413	1.031873703	0.035648677	188.2636108	0.165897384	192.4214478	0.000589544	0.000589544	1.14541E-05	0.015901584	0.005540621	0.263598025	0.015584416	8.60513E-06	46.27839661	9.57119E-05	0.000299507	0.000778473	0.007241243
2044 Sep	124.790657	0.11115744	0.142076969	0.005577008	32.06729507	0.05870286	48.13135147	0.000886844	0.000886844	6.44371E-06	0.005896113	0.001465567	0.065833792	0.009338059	5.77069E-06	16.05288315	2.62563E-05	7.6253E-05	0.000256819	0.002244399
2044 Oct	96.65377808	0.074655555	0.094770066	0.003972306	23.74421501	0.049969655	36.83421326	0.000895527	0.000895527	5.98093E-06	0.005055152	0.001142776	0.050264504	0.00876264	5.47745E-06	13.63253403	2.08059E-05	5.93033E-05	0.00021414	0.001858504
2044 Nov	97.66190338	0.075136863	0.095349915	0.003989528	23.82567596	0.050387044	37.4445076	0.000892461	0.000892461	5.99332E-06	0.005093844	0.001159872	0.051102236	0.008776549	5.48056E-06	13.75045109	2.10937E-05	6.01962E-05	0.000216193	0.001878575
2044 Dec	97.6693573	0.075143293	0.095356755	0.003989822	23.82749748	0.050391063	37.44721985	0.000892534	0.000892534	5.9938E-06	0.005094288	0.001159965	0.051105987	0.00877734	5.48099E-06	13.75158215	2.10954E-05	6.02042E-05	0.000216209	0.001878718
2045 Jan	97.6693573	0.075143576	0.095356412	0.003989808	23.8275013	0.050391015	37.44709015	0.000892535	0.000892535	5.9938E-06	0.005094304	0.001159969	0.051105801	0.008777501	5.481E-06	13.7516861	2.10954E-05	6.02042E-05	0.000216211	0.001878717
2045 Feb	97.66965485	0.075143851	0.09535642	0.003989807	23.8275795	0.050391022	37.44709015	0.000892537	0.000892537	5.99381E-06	0.005094315	0.001159975	0.051105775	0.00877769	5.481E-06	13.75182915	2.10954E-05	6.02061E-05	0.000216214	0.00187872
2045 Mar	97.68578339	0.075156286	0.095372014	0.003990459	23.83151627	0.050399262	37.45321274	0.000892684	0.000892684	5.99479E-06	0.005095155	0.001160168	0.051114112	0.008779228	5.4819E-06	13.75415516	2.10989E-05	6.02169E-05	0.000216251	0.001879029
2045 Apr	97.74331665	0.075200565	0.095428102	0.003992805	23.84555435	0.050428897	37.47523117	0.000893209	0.000893209	5.99832E-06	0.005098153	0.001160852	0.051144157	0.008784449	5.48513E-06	13.76228809	2.11113E-05	6.02529E-05	0.000216379	0.001880135
2045 May	98.11647034	0.075487658	0.095792368	0.004008046	23.93658829	0.050621402	37.61828232	0.000896619	0.000896619	6.02122E-06	0.005117617	0.001165285	0.051339384	0.008818008	5.50607E-06	13.81484127	2.11919E-05	6.04832E-05	0.000217206	0.001887312
2045 Jun	105.1014481	0.072666608	0.092315957	0.003848255	22.80962753	0.054173701	43.56136703	0.000847187	0.000847187	6.05072E-06	0.005420526	0.001333275	0.05943618	0.00872552	5.44292E-06	14.7754221	2.4029E-05	7.92981E-05	0.000231532	0.002079843
2045 Jul	95.02840424	0.059327517	0.075190589	0.003269349	19.57717896	0.051467437	39.87953568	0.000852841	0.000852841	5.91935E-06	0.005107623	0.001236721	0.054216467	0.008432464	5.36501E-06	13.89772511	2.23315E-05	9.40907E-05	0.000210143	0.001971636
2045 Aug	80.32011414	0.046724442	0.058914624	0.002742598	16.87257767	0.046402633	32.46541595	0.000886294	0.000886294	5.75109E-06	0.004637449	0.001032872	0.044041805	0.008226599	5.30912E-06	12.42989349	1.88243E-05	8.77199E-05	0.000183517	0.001724461
2045 Sep	73.36807251	0.040057592	0.050291367	0.002457708	15.49666882	0.043889765	29.01607704	0.000897003	0.000897003	5.64659E-06	0.004429838	0.00093368	0.039387725	0.008150797	5.25756E-06	11.762187	1.71435E-05	7.49972E-05	0.00017446	0.001597456
2045 Oct	69.82788849	0.037145734	0.046518371	0.002335831	14.9225359	0.042553551	27.10591507	0.000905042	0.000905042	5.59942E-06	0.004308932	0.000878678	0.036770888	0.008118495	5.23965E-06	11.40648842	1.62306E-05	6.95757E-05	0.000168797	0.001534135
2045 Nov	69.85164642	0.037158646	0.046534099	0.002336624	14.92761898	0.042568069	27.11508751	0.000905351	0.000905351	5.60133E-06	0.004310415	0.000878978	0.036783349	0.008121293	5.24143E-06	11.41039371	1.62361E-05	6.95998E-05	0.000168854	0.001534657
2045 Dec	69.8567276	0.037161499	0.046537433	0.002336792	14.92870808	0.042571187	27.11703491	0.000905418	0.000905418	5.60174E-06	0.004310737	0.000879043	0.036785997	0.008121903	5.24182E-06	11.41123676	1.62373E-05	6.96051E-05	0.000168867	0.001534768
2046 Jan	69.85758209	0.037162025	0.046537966	0.002336819	14.928895	0.042571697	27.1173439	0.000905429	0.000905429	5.60181E-06	0.004310793	0.000879055	0.036786415	0.008122031	5.24188E-06	11.41139412	1.62375E-05	6.96063E-05	0.000168869	0.001534787

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2046 Feb	69.8586731	0.037162628	0.046538662	0.002336854	14.92913055	0.042572327	27.11774445	0.000905442	0.000905442	5.60189E-06	0.004310858	0.000879069	0.036786951	0.008122184	5.24196E-06	11.41158772	1.62378E-05	6.96076E-05	0.000168872	0.00153481
2046 Mar	69.86965179	0.037168484	0.046545964	0.00233722	14.9314785	0.042578999	27.12199402	0.000905584	0.000905584	5.60277E-06	0.004311535	0.000879207	0.036792718	0.008123477	5.24278E-06	11.41339111	1.62403E-05	6.96187E-05	0.000168899	0.001535051
2046 Apr	69.91679382	0.037193567	0.046577357	0.002338796	14.94155312	0.042607717	27.14028549	0.000906195	0.000906195	5.60655E-06	0.004314444	0.0008798	0.036817528	0.008128965	5.24632E-06	11.4210968	1.62513E-05	6.96658E-05	0.000169013	0.001536086
2046 May	70.19281769	0.03732447	0.04674172	0.002345659	14.9825716	0.042750228	27.27529907	0.000907744	0.000907744	5.62008E-06	0.004328453	0.000883853	0.037001733	0.00814905	5.25791E-06	11.46105289	1.63224E-05	6.99243E-05	0.000169657	0.001541898
2046 Jun	75.43307495	0.038778692	0.048659354	0.002389122	15.10276985	0.044908144	30.78079796	0.0008817	0.0008817	5.65124E-06	0.00452405	0.000981808	0.041805871	0.008153079	5.23502E-06	12.0750246	1.79815E-05	7.68278E-05	0.00018016	0.001653705
2046 Jul	77.57743073	0.038163699	0.047921274	0.002349781	14.77580261	0.045995418	32.62944412	0.00086461	0.00086461	5.65283E-06	0.00460053	0.001034116	0.044289142	0.008092931	5.20746E-06	12.34941196	1.88478E-05	8.52291E-05	0.00018334	0.001716214
2046 Aug	72.82305145	0.034760308	0.043514114	0.002212531	14.08529663	0.04432584	30.0475502	0.000880112	0.000880112	5.61293E-06	0.004446504	0.000963722	0.040744822	0.008048397	5.20689E-06	11.86028194	1.76366E-05	8.32718E-05	0.000174306	0.001632358
2046 Sep	70.6448288	0.032699339	0.04082714	0.002122644	13.6669445	0.043497428	28.95889473	0.000882062	0.000882062	5.57248E-06	0.004381979	0.000931595	0.039293095	0.00802434	5.18325E-06	11.648839	1.70896E-05	7.73929E-05	0.000172045	0.001589292
2046 Oct	69.74172211	0.031842593	0.039682005	0.00208394	13.49112034	0.043136057	28.49528503	0.00088241	0.00088241	5.55292E-06	0.004349962	0.000917429	0.03866164	0.008012842	5.17082E-06	11.56072235	1.68576E-05	7.49004E-05	0.000170937	0.001572801
2046 Nov	69.92539215	0.031924032	0.039780989	0.002086888	13.50527763	0.043213084	28.60674095	0.000881896	0.000881896	5.5554E-06	0.004357116	0.000920539	0.038814686	0.008015729	5.17161E-06	11.58253574	1.69101E-05	7.50438E-05	0.000171322	0.001576478
2046 Dec	69.92922211	0.031925924	0.039783131	0.002087001	13.50602245	0.043215469	28.608284	0.000881945	0.000881945	5.55571E-06	0.004357363	0.00092059	0.038816787	0.008016187	5.1719E-06	11.58318233	1.69111E-05	7.50482E-05	0.000171332	0.001576565
2047 Jan	69.92969513	0.031926207	0.039783381	0.002087014	13.50611877	0.043215752	28.60845566	0.000881951	0.000881951	5.55575E-06	0.004357395	0.000920597	0.038817018	0.008016266	5.17193E-06	11.58327579	1.69112E-05	7.50489E-05	0.000171333	0.001576575
2047 Feb	69.9307251	0.031926706	0.039783943	0.002087043	13.50632095	0.043216355	28.60885429	0.000881963	0.000881963	5.55583E-06	0.004357457	0.000920611	0.038817555	0.008016409	5.17201E-06	11.58346081	1.69114E-05	7.50503E-05	0.000171336	0.001576597
2047 Mar	69.94524384	0.031933349	0.039792191	0.002087476	13.50912762	0.043225311	28.61478424	0.000882146	0.000882146	5.55698E-06	0.004358361	0.000920802	0.038825598	0.008018087	5.17308E-06	11.5858736	1.69149E-05	7.5066E-05	0.000171372	0.001576924
2047 Apr	69.96347046	0.031941675	0.039802551	0.002088019	13.51264858	0.043236565	28.62223244	0.000882376	0.000882376	5.55842E-06	0.004359496	0.000921042	0.038835704	0.008020183	5.17443E-06	11.58889771	1.69193E-05	7.50856E-05	0.000171417	0.001577335
2047 May	70.41442871	0.032115255	0.040014397	0.00209472	13.54910755	0.043431476	28.88521385	0.000881906	0.000881906	5.56786E-06	0.004378343	0.000928694	0.039195649	0.008038559	5.17991E-06	11.64932919	1.70478E-05	7.55204E-05	0.000172493	0.001586532
2047 Jun	73.69303894	0.033045761	0.041175101	0.0021202	13.63699818	0.044762667	31.05043221	0.00086593	0.00086593	5.5873E-06	0.004497338	0.000989821	0.042152941	0.008075328	5.16609E-06	12.0542469	1.80629E-05	7.97801E-05	0.00017965	0.001655999
2047 Jul	71.61456299	0.031642538	0.039364077	0.002067732	13.35304546	0.044119384	29.88934326	0.000876891	0.000876891	5.58967E-06	0.004426559	0.000959399	0.040519528	0.008062919	5.18602E-06	11.84378147	1.7545E-05	8.23283E-05	0.000174455	0.001625679
2047 Aug	68.84291077	0.029839424	0.03703336	0.001998634	13.01446342	0.043164238	28.30983353	0.00088922	0.00088922	5.5791E-06	0.004339785	0.000916638	0.038351212	0.008052886	5.19964E-06	11.55891037	1.68149E-05	8.12518E-05	0.000169068	0.001576076
2047 Sep	67.12000275	0.028493322	0.035288393	0.001941283	12.75191784	0.042479806	27.38474274	0.000891658	0.000891658	5.54874E-06	0.004285361	0.000889618	0.037111878	0.008031629	5.18353E-06	11.37911797	1.63579E-05	7.69471E-05	0.000166887	0.001540769
2047 Oct	66.38559723	0.027907806	0.034513269	0.0019149	12.63160229	0.04216655	26.99255562	0.000891641	0.000891641	5.53076E-06	0.004257381	0.000877685	0.036578145	0.008016706	5.17154E-06	11.30006695	1.61618E-05	7.502E-05	0.000165837	0.001526556
2047 Nov	66.54718018	0.02797186	0.034589712	0.001916991	12.64097404	0.042233527	27.09443283	0.00089102	0.00089102	5.5323E-06	0.004263571	0.000880512	0.036718141	0.008018283	5.17152E-06	11.31913757	1.62093E-05	7.51447E-05	0.000166179	0.001529822
2047 Dec	66.55107117	0.027973609	0.03459172	0.001917102	12.64171982	0.042236015	27.09600067	0.000891072	0.000891072	5.53262E-06	0.004263828	0.000880564	0.036720276	0.008018767	5.17183E-06	11.31980991	1.62103E-05	7.51493E-05	0.000166188	0.001529912
2048 Jan	66.55267334	0.027974335	0.034592532	0.001917148	12.64202785	0.042237021	27.09663582	0.000891094	0.000891094	5.53275E-06	0.004263932	0.000880586	0.036721136	0.008018978	5.17195E-06	11.32009411	1.62107E-05	7.51513E-05	0.000166193	0.001529948
2048 Feb	66.55537415	0.027975492	0.034593917	0.001917224	12.64254284	0.042238705	27.09771729	0.00089113	0.00089113	5.53298E-06	0.004264103	0.000880622	0.036722597	0.008019323	5.17216E-06	11.32056332	1.62113E-05	7.51545E-05	0.0001662	0.00153001
2048 Mar	66.5558548	0.02797571	0.034594167	0.001917238	12.64263725	0.042238999	27.09790611	0.000891136	0.000891136	5.53301E-06	0.004264134	0.000880628	0.036722854	0.008019391	5.17219E-06	11.32065201	1.62115E-05	7.51551E-05	0.000166201	0.0015302
2048 Apr	66.59031677	0.027989786	0.034611601	0.001918155	12.64859581	0.042259943	27.11288071	0.000891526	0.000891526	5.53558E-06	0.00426623	0.000881103	0.036743183	0.008023117	5.17455E-06	11.32632351	1.62201E-05	7.51928E-05	0.000166286	0.001530802
2048 May	66.72293091	0.028045353	0.034680318	0.001921941	12.67352581	0.042343695	27.16728783	0.00089327	0.00089327	5.54647E-06	0.004274678	0.000882866	0.036816932	0.008038909	5.18472E-06	11.34879684	1.62525E-05	7.5342E-05	0.000166617	0.001533846
2048 Jun	68.1516571	0.028286394	0.035014894	0.001924111	12.63967609	0.042906411	28.20832253	0.000882195	0.000882195	5.53959E-06	0.004324676	0.000911604	0.038245458	0.00801248	5.1616E-06	11.5087595	1.6738E-05	7.74272E-05	0.000169381	0.001565125
2048 Jul	68.25957489	0.027832417	0.034449473	0.001901532	12.47885418	0.043022882	28.46103096	0.00087819	0.00087819	5.53228E-06	0.004326798	0.000919288	0.038570534	0.007980308	5.15003E-06	11.52751255	1.68626E-05	8.03896E-05	0.000168926	0.001574738
2048 Aug	66.64575195	0.026762731	0.033065792	0.001860379	12.27563858	0.042475235	27.5495472	0.000885348	0.000885348	5.52641E-06	0.004276689	0.000894718	0.037319709	0.007974379	5.15811E-06	11.36270046	1.64393E-05	7.9862E-05	0.000165794	0.001546014
2048 Sep	65.12379456	0.025758021	0.031761378	0.00181886	12.09184456	0.041861523	26.68113327	0.000888815	0.000888815	5.50378E-06	0.004227053	0.000869731	0.036150023	0.007961272	5.14886E-06	11.19974327	1.60175E-05	7.64381E-05	0.000163634	0.001514315
2048 Oct	64.41785431	0.025291502	0.031145941	0.001798095	11.9977636	0.041551512	26.28595352	0.000889029	0.000889029	5.48686E-06	0.004199136	0.000857932	0.035611276	0.007946483	5.13797E-06	11.11989307	1.58218E-05	7.48149E-05	0.000162501	0.001500158
2048 Nov	64.4933548	0.025321012	0.031176772	0.001798962	12.00192261	0.041584492	26.33299065	0.000888807	0.000888807	5.48788E-06	0.004202331	0.000859272	0.035676043	0.007947987	5.13828E-06	11.12936115	1.58442E-05	7.48795E-05	0.000162665	0.001501713
2048 Dec	64.49713898	0.025322588	0.031178577	0.001799067	12.00262737	0.041586939	26.33451462	0.000888859	0.000888859	5.4882E-06	0.004202582	0.000859322	0.035678115	0.007948463	5.13858E-06	11.13002014	1.58452E-05	7.48841E-05	0.000162675	0.0015018
2049 Jan	64.49785614	0.02532292	0.031178912	0.001799086	12.00276566	0.041587394	26.33479691	0.000888869	0.000888869	5.48827E-06	0.00420263	0.000859332	0.035678491	0.007948567	5.13864E-06	11.13015366	1.58453E-05	7.48851E-05	0.000162677	0.001501817
2049 Feb	64.49842834	0.025323164	0.03117918	0.001799101	12.00287437	0.04158774	26.33501625	0.000888877	0.000888877	5.48831E-06	0.004202666	0.00085934	0.035678785	0.007948653	5.13868E-06	11.13026237	1.58455E-05	7.48859E-05	0.000162678	0.00150183
2049 Mar	64.50505829	0.025325777	0.031182379	0.001799285	12.00411034	0.041592006	26.33771515	0.000888968	0.000888968	5.48887E-06	0.004203097	0.000859429	0.035682444	0.007949479	5.13921E-06	11.1314106	1.58471E-05	7.48937E-05	0.000162695	0.001501984
2049 Apr	64.53936768	0.025339251	0.03119896	0.001800242	12.01049423	0.041614115	26.3517189	0.000889441	0.000889441	5.49179E-06	0.004205333	0.000859886	0.035701413	0.007953711	5.14194E-06	11.13733387	1.58555E-05	7.49335E-05	0.000162782	0.001502782
2049 May	64.71272278	0.025403854	0.03127867	0.001804482	12.03817368	0.041718826	26.42975044	0.000891286	0.000891286	5.50423E-06	0.004215803	0.00086234	0.035807449	0.007971816	5.1533E-06	11.16580486	1.58998E-05	7.51253E-05	0.000163213	0.00150674
2049 Jun	65.2346344	0.02536872	0.031247837	0.001795598	11.95525265	0.041870732	26.90093994	0.00088193	0.00088193	5.48015E-06	0.004228488	0.00087519	0.036455955	0.007929469	5.12162E-06	11.213274	1.61132E-05	7.62529E-05	0.000164073	0.001518484
2049 Jul	64.77029419	0.024870506	0.03061616	0.001773414	11.81346416	0.041730456	26.73586464	0.000881118	0.000881118	5.46946E-06	0.004208328	0.000871153	0.036210753	0.007900816	5.11315E-06	11.16191006	1.60391E-05	7.81168E-05	0.000162519	0.001514511
2049 Aug	63.43828964	0.024100274	0.029612992	0.001749046	11.71304512	0.041336887	25.88617516	0.000892904	0.000892904	5.48877E-06	0.004174563	0.000848848	0.035041563	0.007933208	5.14573E-06	11.03961372	1.56638E-05	7.77919E-05	0.000159988	0.001491059
2049 Sep	62.17969513	0.023331657	0.02861144	0.001717161	11.57322311	0.040816475	25.1576519	0.000895559	0.000895559	5.46857E-06	0.004132246	0.000827889	0.034059808	0.007920541	5.13674E-06	10.90154362	1.53096E-05	7.49662E-05	0.000158143	0.001464385
2049 Oct	61.59613037	0.022971408	0.028133003	0.00170086	11.49956703	0.040553518	24.82799149	0.000895536	0.000895536	5.45348E-06	0.004108558	0.000818045	0.033610582	0.007907017	5.12667E-06	10.83394432	1.51458E-05	7.3613E-05	0.000157186	0.001452445
2049 Nov	61.65134048	0.022989795	0.028153524	0.001701524	11.50303268	0.040579345	24.86138535	0.000895493	0.000895493	5.45476E-06	0.004111033	0.000818999	0.033656437	0.007908775	5.12745E-06	10.84122276	1.5162E-05	7.36614E-05	0.00015731	0.001453618
2049 Dec	61.65572357	0.022991499	0.028155509	0.001701645	11.50385284	0.040582232	24.86314011	0.000895557	0.000895557	5.45515E-06	0.00411133	0.000819057	0.033658817	0.007909345	5.12781E-06	10.8419981	1.51631E-05	7.36668E-05	0.000157321	0.001453721
2050 Jan	61.65694427	0.022991989	0.028156059	0.001701678	11.50408363	0.040583033	24.86362267	0.000895575	0.000895575	5.45526E-06	0.004111412	0.000819074	0.033659469	0.007909513	5.12791E-06	10.84222031	1.51634E-05	7.36684E-05	0.000157324	0.001453749
2050 Feb	61.65743256	0.022992188	0.028156277	0.001701691	11.50417709	0.040583335	24.86380959	0.000895582	0.000895582	5.4553E-06	0.004111443	0.00081908	0.033659719	0.007909587	5.12795E-06	10.84231281	1.51635E-05	7.3669E-05	0.000157325	0.001453761
2050 Mar	61.65867233	0.022992659	0.028156839	0.001701725	11.50440884	0.040584143	24.86430359	0.000895599	0.000895599	5.45541E-06	0.004111526	0.000819097	0.033660389	0.007909752	5.12805E-06	10.84253502	1.51638E-05	7.36706E-05	0.000157329	0.00145379
2050 Apr	61.68293762	0.023001712	0.028167916	0.001702394	11.50893688	0.04060011	24.87408638	0.000895952	0.000895952	5.45755E-06	0.004113143	0.000819419	0.033673625	0.00791287	5.13007E-06	10.84680367	1.51698E-05	7.36996E-05	0.000157391	0.001454362
2050 May	61.80083084	0.023045285	0.028221052	0.001705557	11.53030109	0.040676575	24.92253685	0.000897587	0.000897587	5.46765E-06	0.004120893	0.000821008	0.033739258	0.007927657	5.13953E-06	10.86740494	1.5199E-05	7.38405E-05	0.000157692	0.001457127
2050 Jun	61.88972855	0.022934912	0.028078726	0.001696377	11.46200562	0.040671509	25.06822014	0.000892509	0.000892509	5.4497E-06	0.004119707	0.000825155	0.033938777	0.007901804	5.11909E-06	10.87149525	1.52647E-05	7.45485E-05	0.000157735	0.001459834
2050 Jul	61.32805252	0.022475859	0.027498906	0.001674429	11.32018375	0.040444244	24.84897423	0.000889852	0.000889852	5.42753E-06	0.004091884	0.000819245	0.033623569	0.00785925	5.09989E-06	10.79905987	1.51562E-05	7.58874E-05	0.000155997	0.00145235
2050 Aug	60.32950974	0.021906443	0.026760437	0.001655767	11.23896122	0.040135659	24.22472763	0.000897649	0.000897649	5.43756E-06	0.004064637	0.000802773	0.032764412	0.007876163	5.11962E-06	10.7034626	1.48771E-05	7.56805E-05	0.000154047	0.001434619
2050 Sep	60.23013306	0.021783175	0.026593773	0.001650424	11.2162447	0.0401075	24.17835617	0.000898041	0.000898041	5.43725E-06	0.004064535	0.000801473	0.032708358	0.007878916	5.12007E-06	10.69689083	1.48533E-05	7.51476E-05	0.000154109	0.001432186
2050 Oct	60.35232925	0.021822765	0.026639761	0.001652599	11.22987556	0.04017552	24.24205971	0.000898776	0.000898776	5.44365E-06	0.004071238	0.000803387	0.032795392	0.007888048	5.12556E-06	10.71552086	1.48869E-05	7.52746E-05	0.000154402	0.001434934
2050 Nov	60.38326645	0.021833941	0.026653318	0.001653432	11.23552608	0.040195961	24.25465393	0.000899224	0.000899224	5.44639E-06	0.00407331	0.000803802	0.032812439	0.007892014	5.12813E-06	10.72098064	1.48946E-05	7.53129E-05	0.000154481	0.001435668
2050 Dec	60.38705444	0.021835351	0.026654983	0.001653536	11.23623276	0.04019849	24.25617027	0.00089928	0.00089928	5.44673E-06	0.004073568	0.000803853	0.032814492	0.007892515	5.12845E-06	10.7216568	1.48955E-05	7.53177E-05	0.000154491	0.001435758
2051 Jan	60.38828659	0.021835817	0.026655521	0.00165357	11.23646259	0.040199306	24.25665855	0.000899298	0.000899298	5.44684E-06	0.004073651	0.000803869	0.032815155	0.007892682	5.12855E-06	10.72187901	1.48958E-05	7.53193E-05	0.000154494	0.001435787
2051 Feb	60.38911438	0.021836124	0.026655883	0.001653592	11.23661709	0.040199842	24.25698471	0.000899311	0.000899311	5.44692E-06	0.004073706	0.00080388	0.032815591	0.007892796	5.12862E-06	10.72202873	1.4896E-05	7.53204E-05	0.000154496	0.001435807
2051 Mar	60.39299774	0.021837534	0.026657596	0.001653698	11.23734188	0.040202428	24.25854301	0.000899368	0.000899368	5.44726E-06	0.004073968	0.000803932	0.032817703	0.007893307	5.12895E-06	10.7227211	1.4897E-05	7.53253E-05	0.000154506	0.001435899
2051 Apr	60.4263649	0.021849601	0.026672324	0.001654611	11.2435503	0.040224638	24.27194214	0.000899865	0.000899865	5.45027E-06	0.004076219	0.000804376	0.03283583	0.00789767	5.13178E-06	10.72864628	1.49052E-05	7.53669E-05	0.000154592	0.001436692
2051 May	60.56707001	0.021899089	0.026731115	0.001658081	11.2672739	0.040313471	24.33167839	0.000901658	0.000901658	5.46163E-06	0.004085288	0.000806346	0.032916788	0.007915118	5.14234E-06	10.75334358	1.49409E-05	7.55455E-05	0.00015496	0.001439973
2051 Jun	60.99219513	0.02190767	0.026735228	0.001648379	11.18703842	0.040358655	24.73878479	0.000890116	0.000890116	5.4238E-06	0.004090061	0.000817231	0.033483494	0.007869132	5.09785E-06	10.78556538	1.51136E-05	7.58318E-05	0.000155918	0.00144734
2051 Jul	61.65201187	0.022048907	0.026919231	0.001653735	11.2113409	0.04066297	25.15699005	0.000889029	0.000889029	5.43722E-06	0.004119127	0.000829021	0.034058388	0.007885242	5.10496E-06	10.87160683	1.5316E-05	7.64028E-05	0.000157424	0.001461602
2051 Aug	62.21398926	0.022187343	0.027091876	0.001660196	11.2474165	0.040945228	25.49023056	0.00088973	0.00088973	5.45551E-06	0.004145751	0.000838617	0.034515306	0.007909803	5.1183E-06	10.9498682	1.54794E-05	7.69182E-05	0.000158732	0.00147398
2051 Sep	62.57234573	0.0222489	0.02715615	0.001658945	11.22976685	0.04106994	25.76647568	0.000885576	0.000885576	5.44769E-06	0.004156339	0.000845976	0.034896404	0.0078964	5.10613E-06	10.98707581	1.55993E-05	7.71404E-05	0.000159488	0.001481272
2051 Oct	62.71058273	0.022245949	0.027114384	0.001650911	11.16658211	0.041042864	25.95989418	0.000877593	0.000877593	5.41757E-06	0.004152206	0.000850631	0.035166487	0.007852282	5.07273E-06	10.98470783	1.56677E-05	7.70955E-05	0.000159671	0.001483224
2051 Nov	62.74683762	0.022257511	0.027123308	0.001651123	11.16758919	0.041059434	25.98314285	0.000877481	0.000877481	5.41806E-06	0.004153877	0.000851307	0.035198588	0.007853179	5.07288E-06	10.98952866	1.5679E-05	7.71294E-05	0.000159752	0.001483993
2051 Dec	62.7505722	0.022258902	0.02712491	0.001651221	11.16825771	0.041061886	25.98467827	0.000877534	0.000877534	5.41839E-06	0.004154128	0.000851358	0.03520067	0.007853655	5.07318E-06	10.9901886	1.56799E-05	7.71341E-05	0.000159762	0.001484082
2052 Jan	62.75099564	0.022259088	0.027125085	0.001651232	11.16833591	0.041062154	25.98484421	0.00087754	0.00087754	5.41842E-06	0.004154156	0.000851364	0.035200894	0.007853718	5.07321E-06	10.99026871	1.568E-05	7.71347E-05	0.000159763	0.001484092
2052 Feb	62.75297546	0.022259805	0.027125934	0.001651283	11.16868973	0.041063435	25.98565292	0.000877567	0.000877567	5.41859E-06	0.004154287	0.000851391	0.035201989	0.007853977	5.07337E-06	10.99062157	1.56805E-05	7.71372E-05	0.000159768	0.001484138
2052 Mar	62.76209641	0.02226305	0.027129875	0.001651523	11.17031479	0.041069396	25.98942566	0.000877695	0.000877695	5.41938E-06	0.00415489	0.000851514	0.035207096	0.007855126	5.07411E-06	10.99222374	1.56828E-05	7.71485E-05	0.000159792	0.001484354
2052 Apr	62.78166962	0.022269996	0.027138334	0.001652038	11.17379761	0.041082196	25.99752617	0.000877968	0.000877968	5.42107E-06	0.004156186	0.00085178	0.035218071	0.007857578	5.07569E-06	10.9956522	1.56877E-05	7.71726E-05	0.000159842	0.001484816
2052 May	62.93592453	0.022297466	0.027165169	0.001653806	11.19001198	0.041163933	26.07750893	0.000878793	0.000878793	5.42863E-06	0.004164462	0.000854267	0.035327125	0.007870868	5.0821E-06	11.02033806	1.57304E-05	7.73556E-05	0.000160247	0.00148823
2052 Jun	63.37718582	0.022254173	0.027080977	0.001649838	11.18885994	0.041328348	26.37732315	0.000875863	0.000875863	5.42776E-06	0.004181109	0.000862916	0.035740089	0.007877745	5.07662E-06	11.07751846	1.58732E-05	7.77976E-05	0.000161355	0.001497207
2052 Jul	64.05643463	0.022308985	0.02713757	0.001654429	11.23856258	0.041677292	26.77007866	0.000877453	0.000877453	5.45303E-06	0.004214561	0.000874334	0.036278088	0.007912057	5.09608E-06	11.17398357	1.60698E-05	7.8437E-05	0.000162952	0.001512278
2052 Aug	64.59355164	0.022369144	0.027201494	0.001659106	11.28368759	0.041960932	27.07210541	0.000879312	0.000879312	5.47555E-06	0.004241704	0.000888316	0.036691338	0.007942955	5.11417E-06	11.25199318	1.62224E-05	7.89553E-05	0.000164224	0.001524268
2052 Sep	64.92037964	0.02235545	0.027166521	0.001657812	11.28938675	0.042104106	27.28994179	0.000877982	0.000877982	5.47882E-06	0.004254781	0.000889198	0.036990881	0.007946207	5.11412E-06	11.29269409	1.63234E-05	7.92151E-05	0.000164954	0.001531237
2052 Oct	65.06044006	0.022357078	0.027157357	0.001657596	11.29374981	0.04216807	27.38010406	0.000877622	0.000877622	5.48109E-06	0.004260824	0.000891735	0.03711478	0.007949133	5.11503E-06	11.31084442	1.63662E-05	7.93335E-05	0.000165271	0.001534248
2052 Nov	65.08953857	0.022366742	0.027168903	0.001658304	11.29863167	0.042186704	27.39260864	0.000877995	0.000877995	5.48346E-06	0.004262706	0.000892139	0.037131753	0.007952574	5.11723E-06	11.31585503	1.63736E-05	7.93686E-05	0.000165345	0.001534931
2052 Dec	65.09347534	0.022368141	0.027170539	0.001658404	11.29931641	0.042189263	27.3942585	0.000878048	0.000878048	5.4838E-06	0.004262966	0.000892193	0.037133988	0.007953059	5.11754E-06	11.31654263	1.63746E-05	7.93735E-05	0.000165355	0.001535024

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2053 Jan	65.09481049	0.022368623	0.027171092	0.001658438	11.29955101	0.042190123	27.39481163	0.000878066	0.000878066	5.48391E-06	0.004263054	0.000892212	0.037134737	0.00795323	5.11765E-06	11.31677914	1.63749E-05	7.93752E-05	0.000165359	0.001535055
2053 Feb	65.09828186	0.022369824	0.027172536	0.001658526	11.30015373	0.042192359	27.39626503	0.000878113	0.000878113	5.4842E-06	0.00426328	0.000892259	0.037136707	0.007953661	5.11792E-06	11.31738663	1.63758E-05	7.93795E-05	0.000165367	0.001535137
2053 Mar	65.11086273	0.022374157	0.027177788	0.001658846	11.30233955	0.042200509	27.40155983	0.000878283	0.000878283	5.48526E-06	0.004264105	0.000892432	0.037143879	0.007955204	5.11891E-06	11.31957817	1.6379E-05	7.93949E-05	0.000165399	0.001535434
2053 Apr	65.14987946	0.022387568	0.027194073	0.00165984	11.3091135	0.042225797	27.41797829	0.000878809	0.000878809	5.48855E-06	0.00426666	0.000892967	0.037166137	0.007959973	5.12198E-06	11.32636261	1.63888E-05	7.94425E-05	0.000165499	0.001536354
2053 May	65.34314728	0.022415387	0.02721156	0.001661087	11.3257761	0.042317566	27.52133942	0.000879328	0.000879328	5.49564E-06	0.004276385	0.000896283	0.037307173	0.00797723	5.12757E-06	11.35807991	1.64438E-05	7.97006E-05	0.000166051	0.001540463
2053 Jun	65.74887848	0.022233494	0.02693695	0.001646147	11.26760387	0.042378057	27.88245583	0.000869976	0.000869976	5.46631E-06	0.004281745	0.00090611	0.037806157	0.007948766	5.0924E-06	11.39627743	1.65961E-05	8.00207E-05	0.000167074	0.001547673
2053 Jul	66.38498688	0.022315344	0.027028719	0.001652585	11.32554436	0.042718582	28.232481	0.00087272	0.00087272	5.49527E-06	0.004314938	0.000916409	0.038284943	0.007988677	5.11626E-06	11.4900465	1.67767E-05	8.06539E-05	0.000168591	0.001561928
2053 Aug	67.02262115	0.022454025	0.027191127	0.001662989	11.40506649	0.043089658	28.55003548	0.000877826	0.000877826	5.53423E-06	0.004351468	0.000926092	0.038717829	0.008044109	5.15071E-06	11.5909586	1.69484E-05	8.13437E-05	0.000170153	0.001576523
2053 Sep	67.40584564	0.022542045	0.027294334	0.001669553	11.45453644	0.043314811	28.73827171	0.000881078	0.000881078	5.55842E-06	0.004373698	0.000931856	0.038974304	0.008078594	5.17225E-06	11.65212822	1.70511E-05	8.17631E-05	0.000171094	0.001585316
2053 Oct	67.55350494	0.022561975	0.027314849	0.001670999	11.46782875	0.043393753	28.8199501	0.000881682	0.000881682	5.565E-06	0.004381325	0.00093425	0.03908594	0.008087683	5.17763E-06	11.6738348	1.70928E-05	8.19079E-05	0.000171446	0.001588624
2053 Nov	67.58997345	0.022560079	0.027309502	0.001670775	11.46806622	0.043409191	28.84486771	0.000881487	0.000881487	5.56516E-06	0.004382745	0.000934937	0.039120216	0.008087779	5.17742E-06	11.67826462	1.71043E-05	8.1936E-05	0.000171527	0.001589396
2053 Dec	67.59201813	0.02256082	0.027310312	0.001670825	11.46841335	0.04341051	28.84572792	0.000881514	0.000881514	5.56533E-06	0.00438288	0.000934965	0.039121382	0.00808803	5.17758E-06	11.67862129	1.71048E-05	8.19385E-05	0.000171532	0.001589443
2054 Jan	67.59274292	0.022561096	0.027310601	0.001670843	11.46854019	0.043410972	28.84602737	0.000881524	0.000881524	5.56539E-06	0.004382929	0.000934975	0.039121792	0.008088128	5.17763E-06	11.67875385	1.7105E-05	8.19395E-05	0.000171534	0.00158946
2054 Feb	67.59444427	0.022561681	0.027311286	0.001670885	11.46883106	0.043412052	28.84674454	0.000881546	0.000881546	5.56553E-06	0.004383039	0.000934999	0.039122764	0.008088342	5.17776E-06	11.67905426	1.71055E-05	8.19417E-05	0.000171538	0.0015895
2054 Mar	67.59526825	0.022561962	0.027311614	0.001670904	11.46897221	0.04341257	28.84708977	0.000881556	0.000881556	5.5656E-06	0.004383091	0.00093501	0.03912323	0.008088445	5.17782E-06	11.67919827	1.71057E-05	8.19427E-05	0.000171541	0.001589519
2054 Apr	67.63013458	0.022573603	0.027325699	0.001671766	11.47488785	0.043434955	28.86196518	0.000882011	0.000882011	5.56847E-06	0.004385352	0.000935493	0.039143406	0.008092621	5.18049E-06	11.68522549	1.71145E-05	8.1985E-05	0.000171629	0.001590339
2054 May	67.79001617	0.022610931	0.027366497	0.001674347	11.49534988	0.043525986	28.93963623	0.000883301	0.000883301	5.57819E-06	0.004394566	0.000937942	0.039249133	0.00810833	5.18912E-06	11.71155548	1.71574E-05	8.21766E-05	0.000172045	0.001593954
2054 Jun	68.14807892	0.022426531	0.027098129	0.001659794	11.435606	0.043571018	29.27162361	0.000874239	0.000874239	5.549E-06	0.004398541	0.000946849	0.039709106	0.008075908	5.15453E-06	11.7417469	1.72967E-05	8.24295E-05	0.000172902	0.001600243
2054 Jul	68.68774414	0.022370182	0.027016258	0.001656346	11.43682384	0.043795906	29.64297104	0.000871288	0.000871288	5.55129E-06	0.004419287	0.000957087	0.040220566	0.008075842	5.15111E-06	11.80623245	1.74688E-05	8.28421E-05	0.000174097	0.001611662
2054 Aug	69.23957062	0.022399718	0.027038444	0.001658713	11.47030926	0.044070087	29.97340775	0.00087175	0.00087175	5.56829E-06	0.004445057	0.000966553	0.040673677	0.008098391	5.16319E-06	11.88237667	1.76301E-05	8.3342E-05	0.000175378	0.001623786
2054 Sep	69.57497406	0.022409294	0.027036663	0.001659304	11.48632526	0.044230908	30.18091393	0.000871532	0.000871532	5.5765E-06	0.00446009	0.000972444	0.040958636	0.008109055	5.16829E-06	11.92738628	1.77297E-05	8.36374E-05	0.000176147	0.001631081
2054 Oct	69.69802856	0.022385372	0.026991768	0.001657052	11.47926903	0.044272579	30.27723694	0.000869989	0.000869989	5.57331E-06	0.004463687	0.000975008	0.041091587	0.008103809	5.16358E-06	11.93990707	1.77715E-05	8.37119E-05	0.000176403	0.001633569
2054 Nov	69.73149872	0.022378871	0.026978131	0.001656366	11.47701263	0.044283528	30.30387688	0.00086953	0.00086953	5.57227E-06	0.004464654	0.000975721	0.041128423	0.008102216	5.16212E-06	11.94326019	1.7783E-05	8.37325E-05	0.000176472	0.001634239
2054 Dec	69.73722076	0.022380779	0.026980335	0.001656501	11.47795677	0.044287167	30.30635071	0.000869601	0.000869601	5.57273E-06	0.004465024	0.000975801	0.041131783	0.008102888	5.16255E-06	11.94424438	1.77844E-05	8.37394E-05	0.000176487	0.001634373
2055 Jan	69.73777771	0.022380995	0.026980545	0.001656514	11.47805119	0.044287514	30.3065815	0.000869608	0.000869608	5.57277E-06	0.004465061	0.000975809	0.041132096	0.008102965	5.16259E-06	11.94434834	1.77846E-05	8.37402E-05	0.000176488	0.001634386
2055 Feb	69.73815918	0.022381132	0.026980687	0.001656523	11.47811699	0.044287737	30.30673409	0.000869613	0.000869613	5.5728E-06	0.004465084	0.000975814	0.041132301	0.00810302	5.16261E-06	11.94441891	1.77847E-05	8.37408E-05	0.000176489	0.001634394
2055 Mar	69.74185181	0.02238233	0.026982116	0.00165661	11.47872639	0.044290077	30.30833626	0.000869659	0.000869659	5.57309E-06	0.00446532	0.000975866	0.041134473	0.008103457	5.16289E-06	11.94505692	1.77856E-05	8.37453E-05	0.000176499	0.001634481
2055 Apr	69.77134705	0.0223918	0.026993524	0.001657311	11.48358154	0.044308804	30.32114983	0.000870026	0.000870026	5.57545E-06	0.004467208	0.000976279	0.041151863	0.008106887	5.16507E-06	11.95010948	1.77931E-05	8.37807E-05	0.000176573	0.001635172
2055 May	69.89718628	0.022432189	0.027042214	0.0016603	11.50429535	0.044388723	30.37583733	0.000871596	0.000871596	5.58551E-06	0.004475266	0.00097804	0.041226089	0.008121511	5.17438E-06	11.97166443	1.78252E-05	8.39319E-05	0.000176892	0.001638121
2055 Jun	70.16944122	0.022243058	0.026795255	0.001647276	11.44353867	0.044416208	30.65224838	0.000863601	0.000863601	5.55912E-06	0.004478737	0.00098521	0.041613955	0.008080509	5.14345E-06	11.98615265	1.79444E-05	8.40585E-05	0.000177379	0.001642879
2055 Jul	70.76494598	0.022220869	0.026755204	0.001646324	11.46007442	0.044683557	31.03684044	0.000862081	0.000862081	5.56895E-06	0.00450462	0.000996053	0.04214368	0.008091839	5.14744E-06	12.06241417	1.81304E-05	8.45736E-05	0.000178728	0.001655657
2055 Aug	71.35453796	0.022326248	0.026876224	0.001654312	11.52486515	0.045014985	31.34414101	0.000865831	0.000865831	5.60087E-06	0.004536984	0.001005279	0.0425632	0.008136905	5.17495E-06	12.15297985	1.82925E-05	8.51874E-05	0.000180156	0.00166903
2055 Sep	71.67960358	0.02232516	0.02686087	0.001654113	11.53625393	0.045165226	31.5518856	0.000865155	0.000865155	5.60687E-06	0.004550854	0.001011108	0.042848621	0.008144175	5.17781E-06	12.19523144	1.83906E-05	8.54607E-05	0.000180893	0.001676044
2055 Oct	71.81995392	0.022339674	0.026872421	0.001655049	11.54663086	0.045237288	31.63294411	0.000865473	0.000865473	5.61203E-06	0.004557795	0.001013458	0.042959616	0.008151288	5.18177E-06	12.21521854	1.84312E-05	8.55938E-05	0.000181223	0.001679153
2055 Nov	71.86051178	0.022346271	0.026878893	0.001655496	11.55057716	0.045259397	31.65486145	0.000865671	0.000865671	5.61398E-06	0.004559961	0.001014109	0.042989578	0.008154043	5.1834E-06	12.2213068	1.84426E-05	8.56351E-05	0.00018132	0.001680064
2055 Dec	71.86616516	0.022347197	0.026879812	0.001655559	11.55113029	0.045262482	31.65790367	0.0008657	0.0008657	5.61425E-06	0.004560263	0.0010142	0.042993739	0.008154429	5.18363E-06	12.22215462	1.84442E-05	8.56408E-05	0.000181333	0.001680191
2056 Jan	71.86772919	0.02234773	0.026880391	0.001655595	11.55138683	0.045263454	31.65857887	0.000865719	0.000865719	5.61437E-06	0.004560363	0.001014222	0.042994656	0.00815462	5.18374E-06	12.22242928	1.84446E-05	8.56428E-05	0.000181338	0.001680227
2056 Feb	71.86904144	0.022348158	0.026880879	0.001655625	11.55160046	0.045264263	31.65914536	0.000865734	0.000865734	5.61447E-06	0.004560445	0.001014241	0.042995419	0.008154784	5.18383E-06	12.22266197	1.84449E-05	8.56445E-05	0.000181341	0.001680257
2056 Mar	71.87423706	0.022349788	0.02688282	0.001655744	11.55243874	0.04526753	31.66142845	0.000865797	0.000865797	5.61488E-06	0.004560775	0.001014314	0.042998519	0.008155382	5.18421E-06	12.2235508	1.84462E-05	8.56508E-05	0.000181354	0.001680379
2056 Apr	71.91026306	0.022360995	0.026896292	0.001656574	11.5582304	0.045290209	31.67728996	0.000866231	0.000866231	5.61769E-06	0.004563061	0.001014823	0.043020062	0.008159474	5.1868E-06	12.22968006	1.84555E-05	8.56938E-05	0.000181445	0.001681221
2056 May	72.098526	0.022395337	0.026926586	0.00165857	11.57783031	0.045387227	31.77399254	0.000867171	0.000867171	5.62655E-06	0.004573134	0.001017906	0.043151896	0.008177025	5.19427E-06	12.26063156	1.85078E-05	8.59345E-05	0.000181962	0.001685332
2056 Jun	72.45391846	0.022227444	0.026672674	0.00164469	11.52323151	0.045432862	32.09532547	0.000858518	0.000858518	5.59883E-06	0.004577087	0.001026648	0.043595806	0.008150582	5.16135E-06	12.29360676	1.86424E-05	8.62167E-05	0.000182872	0.001691555
2056 Jul	73.12294006	0.022338001	0.026799489	0.001653182	11.59355164	0.045804065	32.44835663	0.000862451	0.000862451	5.63369E-06	0.004613574	0.001037226	0.04407822	0.008199775	5.19112E-06	12.39549255	1.88285E-05	8.69119E-05	0.000184489	0.001706676
2056 Aug	73.7120285	0.02240959	0.026876995	0.001658731	11.64530849	0.046118058	32.77580643	0.000864749	0.000864749	5.65947E-06	0.004643764	0.001046847	0.044526119	0.008235531	5.21211E-06	12.481884	1.89951E-05	8.74885E-05	0.000185891	0.001719858
2056 Sep	74.10118866	0.022471746	0.026943272	0.001663238	11.68413925	0.046331257	32.98479462	0.000866769	0.000866769	5.6786E-06	0.004664536	0.001053053	0.044811692	0.008262456	5.22822E-06	12.54045773	1.91036E-05	8.78847E-05	0.000186826	0.00172862
2056 Oct	74.2272644	0.022440802	0.026890373	0.001660535	11.67471027	0.046370994	33.08716583	0.000864942	0.000864942	5.67431E-06	0.004667791	0.001055737	0.044952989	0.008255319	5.2223E-06	12.55247116	1.91472E-05	8.79522E-05	0.000187083	0.001731145
2056 Nov	74.26686096	0.02244027	0.026886223	0.001660387	11.67548752	0.046388481	33.11336899	0.000864788	0.000864788	5.67473E-06	0.004669429	0.001056468	0.044989023	0.008255813	5.22233E-06	12.55745506	1.91595E-05	8.79844E-05	0.000187172	0.00173199
2056 Dec	74.27089691	0.022441562	0.026887676	0.001660477	11.67612648	0.046391018	33.11515808	0.000864836	0.000864836	5.67504E-06	0.004669687	0.001056526	0.04499146	0.008256271	5.22261E-06	12.55814457	1.91605E-05	8.79893E-05	0.000187182	0.001732084
2057 Jan	74.2725296	0.022442091	0.026888261	0.001660513	11.67638588	0.046392031	33.11587524	0.000864854	0.000864854	5.67516E-06	0.004669791	0.00105655	0.044992428	0.008256464	5.22273E-06	12.55842686	1.91609E-05	8.79913E-05	0.000187186	0.001732121
2057 Feb	74.27359009	0.022442428	0.026888641	0.001660537	11.67655468	0.046392675	33.11633301	0.000864867	0.000864867	5.67524E-06	0.004669856	0.001056565	0.044993054	0.008256593	5.2228E-06	12.55861187	1.91612E-05	8.79927E-05	0.000187189	0.001732146
2057 Mar	74.28347778	0.022445427	0.026892222	0.001660758	11.67811298	0.046398852	33.1207428	0.000864982	0.000864982	5.676E-06	0.004670478	0.001056706	0.044999041	0.008257699	5.22349E-06	12.56028938	1.91638E-05	8.80045E-05	0.000187214	0.001732377
2057 Apr	74.32297516	0.022457365	0.026906518	0.00166164	11.6843214	0.046423513	33.13834763	0.000865442	0.000865442	5.67902E-06	0.004672961	0.001057268	0.045022961	0.008262092	5.22627E-06	12.56696892	1.91739E-05	8.80513E-05	0.000187314	0.001733297
2057 May	74.50992584	0.02250785	0.026964229	0.001665238	11.71106529	0.046534915	33.22511673	0.000867289	0.000867289	5.69185E-06	0.004684249	0.001060033	0.04514097	0.008281937	5.2379E-06	12.59832001	1.92232E-05	8.82769E-05	0.000187796	0.001737585
2057 Jun	74.82472992	0.022326751	0.02670732	0.001651382	11.65197468	0.04656731	33.52599716	0.00085874	0.00085874	5.66379E-06	0.004687627	0.001068083	0.045559458	0.008248528	5.20492E-06	12.6225338	1.93506E-05	8.84928E-05	0.000188517	0.001743028
2057 Jul	75.46549988	0.022391312	0.026776444	0.001656586	11.70346928	0.046900857	33.88860703	0.000860767	0.000860767	5.68983E-06	0.004720212	0.001078689	0.046056274	0.008284255	5.22563E-06	12.71503925	1.95358E-05	8.91205E-05	0.000190034	0.001757277
2057 Aug	76.2771759	0.022585278	0.027004974	0.001671054	11.81135178	0.04738133	34.28183365	0.00086801	0.00086801	5.74254E-06	0.004767916	0.001090825	0.046591908	0.008360082	5.27282E-06	12.84587288	1.97524E-05	9.00238E-05	0.000192041	0.001775934
2057 Sep	76.66213989	0.022631515	0.027052082	0.001674466	11.84411144	0.04758456	34.49765015	0.000869375	0.000869375	5.7588E-06	0.00478747	0.001097127	0.046887092	0.008382498	5.28592E-06	12.90192032	1.98619E-05	9.03979E-05	0.000192955	0.001784526
2057 Oct	76.81345367	0.022626569	0.027037248	0.001673937	11.84707546	0.047651198	34.5981636	0.000868794	0.000868794	5.76047E-06	0.004793575	0.001099904	0.047025137	0.008384106	5.28605E-06	12.92077255	1.99087E-05	9.05165E-05	0.000193293	0.001787764
2057 Nov	76.85307312	0.022634273	0.02704541	0.001674477	11.85147572	0.047673501	34.61870193	0.000869049	0.000869049	5.76262E-06	0.004795778	0.001100523	0.047053184	0.008387197	5.28792E-06	12.9268961	1.99196E-05	9.05584E-05	0.00019339	0.001788661
2057 Dec	76.8579483	0.022635767	0.027047118	0.001674583	11.85223103	0.04767653	34.62088776	0.000869104	0.000869104	5.76299E-06	0.004796085	0.001100593	0.047056157	0.008387736	5.28825E-06	12.92772007	1.99209E-05	9.05642E-05	0.000193402	0.001788775
2058 Jan	76.85827637	0.022635894	0.027047226	0.00167459	11.85228348	0.047676727	34.62102127	0.000869108	0.000869108	5.76301E-06	0.004796106	0.001100598	0.047056343	0.008387782	5.28827E-06	12.92778015	1.99209E-05	9.05647E-05	0.000193403	0.001788782
2058 Feb	76.85884857	0.022636078	0.027047429	0.001674602	11.85237503	0.047677074	34.62127686	0.000869114	0.000869114	5.76305E-06	0.004796141	0.001100607	0.047056682	0.008387854	5.28831E-06	12.92788315	1.99211E-05	9.05655E-05	0.000193404	0.001788795
2058 Mar	76.86199951	0.022637015	0.027048536	0.001674671	11.85286236	0.047679022	34.62268829	0.00086915	0.00086915	5.76329E-06	0.004796338	0.001100652	0.047058601	0.008388204	5.28853E-06	12.92841721	1.99219E-05	9.05693E-05	0.000193412	0.001788868
2058 Apr	76.88726044	0.022644456	0.027057422	0.001675221	11.85675716	0.047694683	34.63405991	0.000869435	0.000869435	5.76518E-06	0.004797913	0.001101014	0.047074061	0.008390962	5.29027E-06	12.93266582	1.99284E-05	9.0599E-05	0.000193476	0.001789456
2058 May	77.07880402	0.022674959	0.027080204	0.001676779	11.87464714	0.047788829	34.73490143	0.00087013	0.00087013	5.77302E-06	0.004807803	0.001104239	0.047211617	0.008408331	5.29664E-06	12.96410275	1.99825E-05	9.08501E-05	0.000194014	0.001793575
2058 Jun	77.29851532	0.022392543	0.026672561	0.001653871	11.7688961	0.047699947	35.03882599	0.0008564 02	0.00085642	5.71988E-06	0.004798211	0.001112076	0.047633752	0.008350144	5.23831E-06	12.96750355	2.00936E-05	9.09477E-05	0.000194605	0.001796034
2058 Jul	77.94553375	0.022461681	0.026747391	0.001659382	11.8223362	0.048038658	35.40329361	0.00085858	0.00085858	5.74674E-06	0.004831103	0.001122726	0.048132665	0.008386988	5.25982E-06	13.0612402	2.02795E-05	9.1579E-05	0.00019614	0.00181045
2058 Aug	78.57375336	0.022566665	0.026866447	0.001667331	11.88846111	0.048387419	35.73514938	0.000862243	0.000862243	5.77934E-06	0.004865109	0.001132649	0.048585873	0.008433106	5.28763E-06	13.15692997	2.04533E-05	9.22276E-05	0.00019766	0.001824651
2058 Sep	78.90368652	0.022557136	0.026836006	0.001666296	11.89559841	0.048533946	35.95309448	0.000861054	0.000861054	5.7833E-06	0.004878543	0.001138693	0.048885372	0.008437195	5.28828E-06	13.19833469	2.05549E-05	9.24904E-05	0.000198398	0.001831715
2058 Oct	79.03527832	0.022547882	0.026810711	0.001665163	11.89480209	0.048587691	36.0455246	0.000860164	0.000860164	5.7831E-06	0.004883471	0.001141228	0.049012668	0.008436396	5.28666E-06	13.21383572	2.0597E-05	9.2588E-05	0.000198685	0.001834475
2058 Nov	79.07553101	0.022554724	0.026817217	0.001665613	11.89876652	0.048609681	36.06716156	0.000860366	0.000860366	5.78505E-06	0.004885638	0.001141874	0.049042258	0.008439194	5.28829E-06	13.21991158	2.06083E-05	9.26296E-05	0.000198781	0.001835378
2058 Dec	79.07797241	0.022555487	0.026818037	0.001665664	11.8991375	0.048611198	36.06826401	0.000860392	0.000860392	5.78523E-06	0.004885793	0.00114191	0.049043763	0.008439463	5.28845E-06	13.22032642	2.06089E-05	9.26326E-05	0.000198788	0.001835435
2059 Jan	79.07817078	0.022555577	0.026818097	0.001665668	11.89917088	0.048611306	36.0683403	0.000860395	0.000860395	5.78524E-06	0.004885806	0.001141913	0.049043864	0.008439494	5.28847E-06	13.22036457	2.06089E-05	9.26329E-05	0.000198788	0.001835439
2059 Feb	79.07878876	0.022555768	0.026818305	0.001665681	11.89926529	0.048611674	36.06861115	0.000860401	0.000860401	5.78528E-06	0.004885843	0.001141922	0.049044233	0.008439571	5.28851E-06	13.22047424	2.06091E-05	9.26337E-05	0.00019879	0.001835453
2059 Mar	79.07911682	0.022555873	0.026818417	0.001665687	11.89931774	0.048611868	36.0687561	0.000860405	0.000860405	5.78531E-06	0.004885864	0.001141927	0.04904443	0.008439613	5.28853E-06	13.22053242	2.06092E-05	9.26342E-05	0.000198791	0.001835461
2059 Apr	79.11000824	0.022564691	0.026828893	0.001666338	11.9039669	0.048630856	36.08284378	0.000860741	0.000860741	5.78757E-06	0.004887772	0.001142373	0.049063586	0.008442913	5.29059E-06	13.22569942	2.06172E-05	9.26704E-05	0.000198869	0.001836178
2059 May	79.29205322	0.022604054	0.026868423	0.001668868	11.92563248	0.048730247	36.17285538	0.000861991	0.000861991	5.79763E-06	0.004898001	0.001145245	0.049186207	0.008460819	5.29938E-06	13.25587845	2.06668E-05	9.28987E-05	0.000199357	0.001840228
2059 Jun	79.72020721	0.022566665	0.026787199	0.001664928	11.92540359	0.048886467	36.46179962	0.000859093	0.00085909	5.79642E-06	0.004913646	0.001153643	0.049583171	0.008470012	5.29372E-06	13.31285191	2.08035E-05	9.33442E-05	0.000200475	0.001848882
2059 Jul	80.52694702	0.022747815	0.026999138	0.001678461	12.02812958	0.04935712	36.85908127	0.000865804	0.000865804	5.84673E-06	0.004960505	0.001165854	0.050124817	0.008542576	5.33842E-06	13.44167995	2.10212E-05	9.42376E-05	0.000202466	0.001867347
2059 Aug	81.20921326	0.022899186	0.027175607	0.001689739	12.11419106	0.049754359	37.19673538	0.000871368	0.000871368	5.8888E-06	0.004999834	0.0011762	0.050585058	0.008603184	5.37572E-06	13.55030155	2.12049E-05	9.49864E-05	0.000204148	0.001882956
2059 Sep	81.59700775	0.022931194	0.027201029	0.001691946	12.14073277	0.049950488	37.4242363	0.000872013	0.000872013	5.90209E-06	0.005018533	0.00118275	0.050896671	0.008621173	5.38564E-06	13.60476303	2.13177E-05	9.53463E-05	0.000205055	0.001891517
2059 Oct	81.62242889	0.022821741	0.027031114	0.00168253	12.09217262	0.049897414	37.51807785	0.000866381	0.000866381	5.87895E-06	0.005012078	0.001184743	0.051028512	0.008586247	5.36082E-06	13.59257793	2.13442E-05	9.52345E-05	0.000205005	0.001891354
2059 Nov	81.65300751	0.022819702	0.027022716	0.001682137	12.09139442	0.049909241	37.54032135	0.000866105	0.000866105	5.8786E-06	0.005013207	0.001185359	0.051059268	0.008585765	5.36012E-06	13.59608459	2.13543E-05	9.52576E-05	0.00020507	0.001891982

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2059 Dec	81.65501404	0.022820333	0.027023371	0.001682178	12.09169579	0.049910478	37.54122925	0.000866127	0.000866127	5.87874E-06	0.005013334	0.001185389	0.051060505	0.008585984	5.36025E-06	13.5964241	2.13548E-05	9.526E-05	0.000205075	0.001892029
2060 Jan	81.65660858	0.022820815	0.027023895	0.001682211	12.0919342	0.049911443	37.54194641	0.000866144	0.000866144	5.87886E-06	0.005013433	0.001185412	0.051061485	0.008586163	5.36036E-06	13.59669685	2.13552E-05	9.5262E-05	0.000205079	0.001892065
2060 Feb	81.65827179	0.022821302	0.027024446	0.001682245	12.09218502	0.049912449	37.54270935	0.000866161	0.000866161	5.87898E-06	0.005013535	0.001185436	0.051062513	0.00858635	5.36047E-06	13.596982	2.13557E-05	9.52641E-05	0.000205083	0.001892104
2060 Mar	81.66383362	0.022822864	0.027026283	0.001682359	12.09300995	0.049915843	37.54525757	0.00086622	0.00086622	5.87938E-06	0.005013876	0.001185517	0.051065981	0.00858694	5.36083E-06	13.59791088	2.13571E-05	9.52706E-05	0.000205097	0.001892232
2060 Apr	81.70884705	0.02283545	0.027041182	0.001683287	12.09967804	0.049943354	37.56594849	0.000866698	0.000866698	5.88262E-06	0.005016639	0.001186171	0.051094126	0.008591678	5.36379E-06	13.60540962	2.13689E-05	9.53232E-05	0.000205211	0.001893275
2060 May	81.90378571	0.022853963	0.027043441	0.001683649	12.11234665	0.050027821	37.67567825	0.000866712	0.000866712	5.88754E-06	0.005025723	0.001189677	0.051244017	0.008607446	5.36708E-06	13.63689041	2.14259E-05	9.5588E-05	0.000205781	0.001897314
2060 Jun	82.22167969	0.022709778	0.026823949	0.001671638	12.06586933	0.050071023	37.95938492	0.000859208	0.000859208	5.86373E-06	0.005029495	0.001197426	0.051635634	0.008585746	5.33868E-06	13.66730118	2.15451E-05	9.58482E-05	0.000206607	0.001902903
2060 Jul	83.06375885	0.022880314	0.027021294	0.001684416	12.16589737	0.050552376	38.38540649	0.000865406	0.000865406	5.91283E-06	0.005077215	0.001210387	0.052216925	0.008656308	5.38172E-06	13.79947472	2.1775E-05	9.67609E-05	0.000208672	0.001922074
2060 Aug	83.71907043	0.022942793	0.027083458	0.001689223	12.21632004	0.050891507	38.76098251	0.000867141	0.000867141	5.93802E-06	0.005109566	0.001221295	0.052731168	0.008690827	5.40138E-06	13.89330769	2.19629E-05	9.73851E-05	0.000210218	0.001936619
2060 Sep	83.93973541	0.02284156	0.026932929	0.001681284	12.18274975	0.050940361	38.96691513	0.00086205	0.00086205	5.92252E-06	0.005112355	0.001226541	0.053017113	0.008665879	5.38254E-06	13.9089613	2.20438E-05	9.746E-05	0.000210623	0.001940778
2060 Oct	84.04940033	0.022818996	0.026887842	0.001679008	12.17509651	0.050976135	39.05488586	0.00086052	0.00086052	5.91902E-06	0.005115428	0.001228873	0.053138681	0.008660198	5.37765E-06	13.91969776	2.20816E-05	9.75228E-05	0.000210846	0.001942978
2060 Nov	84.06752014	0.022810116	0.026870977	0.001678114	12.17115211	0.050978608	39.07354355	0.000859964	0.000859964	5.91715E-06	0.005115569	0.001229346	0.053164635	0.0086574	5.37548E-06	13.92068005	2.20889E-05	9.7527E-05	0.000210877	0.0019433
2060 Dec	84.07306671	0.022811705	0.026872741	0.001678224	12.17195988	0.050981984	39.07610321	0.000860021	0.000860021	5.91754E-06	0.00511591	0.001229428	0.053168125	0.008657983	5.37583E-06	13.92160416	2.20903E-05	9.75335E-05	0.000210891	0.001943429
2061 Jan	84.07363129	0.022811901	0.026872916	0.001678235	12.17204475	0.050982315	39.07635117	0.000860027	0.000860027	5.91758E-06	0.005115945	0.001229436	0.053168461	0.008658053	5.37587E-06	13.9217062	2.20905E-05	9.75343E-05	0.000210892	0.001943441
2061 Feb	84.0741272	0.022812055	0.026873073	0.001678245	12.17212105	0.050982598	39.0765686	0.000860032	0.000860032	5.91762E-06	0.005115975	0.001229444	0.053168755	0.008658118	5.3759E-06	13.92179585	2.20906E-05	9.7535E-05	0.000210894	0.001943452
2061 Mar	84.07726288	0.022812918	0.026874075	0.001678307	12.1725769	0.050984494	39.07801819	0.000860064	0.000860064	5.91784E-06	0.005116166	0.00122949	0.053170726	0.008658448	5.3761E-06	13.92231846	2.20914E-05	9.75387E-05	0.000210902	0.001943524
2061 Apr	84.12173462	0.02282499	0.026888289	0.001679195	12.17901611	0.051011454	39.0986824	0.000860518	0.000860518	5.92097E-06	0.005118871	0.00123014	0.053198844	0.008663031	5.37894E-06	13.92968559	2.21031E-05	9.75904E-05	0.000211013	0.001944552
2061 May	84.3079071	0.022847427	0.026894374	0.001679749	12.19264221	0.051092692	39.20031738	0.000860676	0.000860676	5.92622E-06	0.005127805	0.001233469	0.053337578	0.008680101	5.3827E-06	13.96078873	2.21571E-05	9.78586E-05	0.000211575	0.001948398
2061 Jun	84.45040894	0.022591481	0.026538862	0.00165972	12.09640121	0.050996296	39.44130325	0.000848659	0.000848659	5.8786E-06	0.005116812	0.001239364	0.05367263	0.008622348	5.33091E-06	13.95409012	2.22395E-05	9.78425E-05	0.000211913	0.001949601
2061 Jul	85.30442047	0.022744827	0.026713917	0.001671275	12.19033146	0.051474441	39.88512421	0.000854108	0.000854108	5.92487E-06	0.005163984	0.001252744	0.054278713	0.008688577	5.37081E-06	14.08577442	2.24754E-05	9.87473E-05	0.000213993	0.001968938
2061 Aug	86.03342438	0.022895744	0.026887862	0.0016825	12.27798271	0.051892716	40.25253296	0.000859565	0.000859565	5.96776E-06	0.005205296	0.001263937	0.054779772	0.008750461	5.40846E-06	14.20059586	2.26734E-05	9.95377E-05	0.000215785	0.001985549
2061 Sep	86.4048996	0.022923199	0.026910761	0.001684522	12.30282402	0.052079689	40.47152328	0.00086012	0.00086012	5.98023E-06	0.005223024	0.00127022	0.055079695	0.008767158	5.41769E-06	14.25249767	2.27815E-05	9.98792E-05	0.000216654	0.001993744
2061 Oct	86.41239166	0.022815391	0.026751051	0.00167562	12.25593567	0.052021604	40.55093002	0.000854799	0.000854799	5.95795E-06	0.005215974	0.001271791	0.055191368	0.008732879	5.39396E-06	14.238307	2.28015E-05	9.975E-05	0.000216564	0.001993249
2061 Nov	86.41429901	0.022791991	0.026712865	0.001673506	12.24493027	0.052008186	40.56945038	0.000853546	0.000853546	5.95269E-06	0.005214425	0.001272175	0.055217542	0.008725008	5.38837E-06	14.23511982	2.28064E-05	9.97225E-05	0.000216543	0.00199313
2061 Dec	86.41819	0.022793101	0.026714059	0.001673581	12.24548626	0.05201054	40.57126236	0.000853585	0.000853585	5.95296E-06	0.005214664	0.001272232	0.055220012	0.008725411	5.38861E-06	14.23576736	2.28074E-05	9.97271E-05	0.000216553	0.001993219
2062 Jan	86.419487	0.022793485	0.026714455	0.001673606	12.24567509	0.052011311	40.57185364	0.000853597	0.000853597	5.95305E-06	0.005214743	0.001272252	0.05522082	0.008725555	5.38869E-06	14.23598862	2.28077E-05	9.97287E-05	0.000216556	0.001993249
2062 Feb	86.42120361	0.02279396	0.026714986	0.001673639	12.24592209	0.052012328	40.57265091	0.000853614	0.000853614	5.95317E-06	0.005214846	0.001272277	0.055221897	0.008725742	5.3888E-06	14.23627949	2.28082E-05	9.97308E-05	0.00021656	0.001993288
2062 Mar	86.43468475	0.022797527	0.026719151	0.001673899	12.24783421	0.052020434	40.57897186	0.000853747	0.000853747	5.9541E-06	0.00521566	0.001272475	0.055230502	0.00872711	5.38964E-06	14.23850441	2.28118E-05	9.97465E-05	0.000216594	0.001993599
2062 Apr	86.48312378	0.022810308	0.026734125	0.001674837	12.25469875	0.052049581	40.60170746	0.000854226	0.000854226	5.95743E-06	0.005218582	0.001273189	0.055261448	0.008732005	5.39266E-06	14.24648571	2.28245E-05	9.98024E-05	0.000216716	0.001994716
2062 May	86.61814117	0.02284592	0.026775857	0.001677452	12.27383041	0.052130837	40.66509628	0.000855559	0.000855559	5.96673E-06	0.005226729	0.001275177	0.055347718	0.008745639	5.40108E-06	14.26872921	2.28602E-05	9.99582E-05	0.000217054	0.00199783
2062 Jun	86.7696228	0.022698084	0.026587417	0.00166744	12.22447109	0.052125782	40.84170532	0.000849516	0.000849516	5.94536E-06	0.005227064	0.001279662	0.05559703	0.00871182	5.37674E-06	14.27179527	2.29351E-05	0.000100002	0.000217283	0.00200025
2062 Jul	87.2786026	0.022650452	0.026518106	0.00166471	12.22799206	0.052340381	41.18624115	0.000847104	0.000847104	5.94907E-06	0.005247921	0.001289271	0.056072745	0.008714044	5.37517E-06	14.33362198	2.30994E-05	0.000100422	0.00021841	0.002011018
2062 Aug	87.8376236	0.022670036	0.026527276	0.001666379	12.25802708	0.052613419	41.52693558	0.000847148	0.000847148	5.96451E-06	0.005273438	0.001298997	0.056540232	0.008734277	5.38551E-06	14.40961552	2.3264E-05	0.000100918	0.0002197	0.002023248
2062 Sep	88.09689331	0.022631187	0.026458044	0.001663041	12.25025749	0.05271142	41.71937561	0.000844711	0.000844711	5.96128E-06	0.005281872	0.001304157	0.05680554	0.008727686	5.37928E-06	14.43785477	2.33486E-05	0.000101086	0.000220249	0.002028611
2062 Oct	87.91142273	0.022424351	0.026149876	0.001645504	12.1507225	0.052504931	41.74732971	0.000834611	0.000834611	5.9135E-06	0.005259656	0.001303712	0.056849554	0.008656211	5.33059E-06	14.38431549	2.33276E-05	0.000100673	0.000219617	0.002023284
2062 Nov	87.94863892	0.02243205	0.026153916	0.001645825	12.15403557	0.052524958	41.76764297	0.000834754	0.000834754	5.9151E-06	0.005261721	0.001304335	0.056877483	0.008658755	5.3319E-06	14.38997173	2.33383E-05	0.000100714	0.000219705	0.002024108
2062 Dec	87.95317078	0.022433277	0.026155258	0.00164591	12.1546669	0.052527674	41.76977921	0.000834797	0.000834797	5.91541E-06	0.005261996	0.001304402	0.0568804	0.008659209	5.33217E-06	14.39071941	2.33395E-05	0.00010072	0.000219716	0.002024212
2063 Jan	87.95444489	0.02243364	0.026155634	0.001645934	12.15484619	0.05252843	41.7703743	0.000834809	0.000834809	5.91549E-06	0.005262074	0.001304422	0.056881208	0.008659346	5.33225E-06	14.39093399	2.33398E-05	0.000100721	0.00021972	0.002024241
2063 Feb	87.95605469	0.022434069	0.026156113	0.001645964	12.15507221	0.052529376	41.77112579	0.000834825	0.000834825	5.9156E-06	0.00526217	0.001304446	0.056882229	0.008659516	5.33235E-06	14.39120388	2.33402E-05	0.000100723	0.000219724	0.002024278
2063 Mar	87.95928955	0.022434903	0.026157074	0.001646024	12.15552044	0.052531302	41.77265549	0.000834855	0.000834855	5.91582E-06	0.005262362	0.001304494	0.056884311	0.008659841	5.33254E-06	14.39173698	2.33411E-05	0.000100727	0.000219732	0.002024352
2063 Apr	87.98609161	0.022441745	0.026165042	0.001646525	12.15922546	0.052547302	41.7853775	0.00083511	0.00083511	5.91762E-06	0.005263965	0.001304891	0.056901634	0.008662484	5.33417E-06	14.39612484	2.33482E-05	0.000100758	0.000219799	0.002024969
2063 May	88.1552887	0.022469027	0.026186824	0.001648007	12.17532253	0.052631896	41.8744278	0.000835775	0.000835775	5.9248E-06	0.005272769	0.001307716	0.057023134	0.008677472	5.34006E-06	14.42364597	2.33958E-05	0.000100973	0.000220266	0.002028632
2063 Jun	88.04878998	0.022112617	0.025698518	0.001619996	12.02924919	0.052354917	42.01440048	0.000819601	0.000819601	5.85248E-06	0.005245205	0.001310599	0.057222765	0.008590973	5.26488E-06	14.37528229	2.34208E-05	0.000100727	0.000220044	0.00202364
2063 Jul	88.56564331	0.02208652	0.025657082	0.00161873	12.04113865	0.05258419	42.35394669	0.000817954	0.000817954	5.85968E-06	0.005266667	0.001320024	0.05768967	0.008597795	5.26691E-06	14.4400053	2.35819E-05	0.000101145	0.000221204	0.002034733
2063 Aug	89.30278015	0.022228204	0.025817743	0.001629234	12.12531853	0.05300111	42.73222351	0.000822975	0.000822975	5.90093E-06	0.005307767	0.001331486	0.058205981	0.008657348	5.30275E-06	14.55480957	2.37837E-05	0.000101935	0.000223008	0.00205146
2063 Sep	89.65182495	0.022249527	0.025831088	0.0016307	12.14652348	0.053174455	42.94098663	0.000823258	0.000823258	5.91163E-06	0.005324161	0.001337479	0.058492396	0.008671758	5.31034E-06	14.60310936	2.38858E-05	0.000102255	0.000223818	0.002059115
2063 Oct	89.71851349	0.022210203	0.025769053	0.00162737	12.13140965	0.053182594	43.01136398	0.000821153	0.000821153	5.90456E-06	0.005324284	0.001339201	0.05858995	0.008660382	5.30211E-06	14.60609055	2.39126E-05	0.000102259	0.000223929	0.002060317
2063 Nov	89.75367737	0.022212187	0.025768701	0.001627427	12.13309765	0.053199477	43.03306198	0.000821129	0.000821129	5.90541E-06	0.005325904	0.001339821	0.058619749	0.008661546	5.30264E-06	14.61083889	2.39231E-05	0.00010229	0.000224009	0.002061081
2063 Dec	89.7620163	0.022214323	0.025771087	0.001627578	12.13422871	0.053204432	43.03704453	0.000821206	0.000821206	5.90596E-06	0.005326402	0.001339945	0.058625177	0.008662359	5.30313E-06	14.61220264	2.39254E-05	0.0001023	0.00022403	0.002061272
2064 Jan	89.7634201	0.022214709	0.025771488	0.001627603	12.1344223	0.053205259	43.03770447	0.000821219	0.000821219	5.90605E-06	0.005326487	0.001339966	0.058626074	0.008662506	5.30321E-06	14.6124382	2.39257E-05	0.000102302	0.000224034	0.002061304
2064 Feb	89.76593781	0.02221535	0.02577221	0.001627648	12.13476658	0.053206734	43.03890228	0.000821242	0.000821242	5.90622E-06	0.005326635	0.001340004	0.058627702	0.008662761	5.30336E-06	14.612854	2.39264E-05	0.000102305	0.00022404	0.002061362
2064 Mar	89.78223419	0.022219393	0.025776887	0.001627944	12.13697052	0.053216387	43.04670715	0.000821391	0.000821391	5.90729E-06	0.005327602	0.001340247	0.058638331	0.008664341	5.30432E-06	14.61551094	2.39307E-05	0.000102323	0.000224081	0.002061736
2064 Apr	89.81188202	0.022226738	0.0257854	0.001628481	12.14097977	0.053233955	43.0609169	0.000821662	0.000821662	5.90924E-06	0.005329361	0.00134069	0.058657695	0.008667205	5.30608E-06	14.62033939	2.39386E-05	0.000102357	0.000224155	0.002062417
2064 May	89.96372986	0.022236411	0.025780749	0.001628395	12.14897537	0.053296778	43.14923096	0.000821454	0.000821454	5.91214E-06	0.0053361	0.001343481	0.058778398	0.008678319	5.30765E-06	14.64437389	2.39837E-05	0.00010256	0.0002246	0.002065529
2064 Jun	90.0515213	0.021998607	0.025442932	0.001609173	12.05666828	0.05317698	43.34349442	0.000810075	0.000810075	5.86551E-06	0.005323543	0.001348313	0.059048705	0.008626972	5.25759E-06	14.63451958	2.40471E-05	0.000102554	0.000224879	0.002065511
2064 Jul	90.77890778	0.022094436	0.02554778	0.001616544	12.12339497	0.053566698	43.74226379	0.000813249	0.000813249	5.89872E-06	0.005361615	0.001360123	0.059594207	0.008673925	5.28499E-06	14.74247646	2.42531E-05	0.000103288	0.000226625	0.002081799
2064 Aug	91.33156586	0.02213552	0.025586758	0.001619857	12.16187382	0.053847726	44.06525421	0.000814279	0.000814279	5.91815E-06	0.005388279	0.001369465	0.060036603	0.008700352	5.29964E-06	14.82038593	2.4413E-05	0.000103801	0.000227923	0.002094022
2064 Sep	91.55929565	0.022086255	0.025505446	0.001615798	12.14907837	0.053926803	44.24366379	0.000811475	0.000811475	5.91251E-06	0.005394725	0.001374191	0.060283195	0.008690174	5.29119E-06	14.84330177	2.44889E-05	0.000103934	0.000228387	0.002098643
2064 Oct	91.68658447	0.022098852	0.02551087	0.00161638	12.15724659	0.053990643	44.31884384	0.000811619	0.000811619	5.91657E-06	0.005400947	0.001376376	0.06038636	0.008695969	5.29413E-06	14.8612051	2.45264E-05	0.000104054	0.000228683	0.002101436
2064 Nov	91.73452759	0.022110494	0.025524201	0.001617226	12.1636095	0.054018892	44.34200287	0.000812044	0.000812044	5.91966E-06	0.005403776	0.001377096	0.06041792	0.008700527	5.2969E-06	14.86898327	2.45392E-05	0.000104109	0.000228803	0.002102535
2064 Dec	91.73934174	0.022111701	0.025525535	0.00161731	12.16425037	0.054021731	44.3443222	0.000812087	0.000812087	5.91997E-06	0.005404062	0.001377168	0.060421079	0.008700989	5.29718E-06	14.86976528	2.45405E-05	0.000104115	0.000228815	0.002102645
2065 Jan	91.74021149	0.022111936	0.025525777	0.001617326	12.16436863	0.054022238	44.34473419	0.000812095	0.000812095	5.92003E-06	0.005404114	0.001377181	0.060421646	0.00870108	5.29723E-06	14.86991119	2.45408E-05	0.000104116	0.000228817	0.002102665
2065 Feb	91.74277496	0.022112567	0.025526492	0.001617371	12.164711	0.054023746	44.34596634	0.000812117	0.000812117	5.92019E-06	0.005404265	0.00137722	0.060423322	0.008701331	5.29738E-06	14.87033272	2.45414E-05	0.000104119	0.000228823	0.002102724
2065 Mar	91.76119232	0.022117011	0.025531616	0.001617695	12.16715431	0.054034583	44.35486221	0.000812281	0.000812281	5.92138E-06	0.00540535	0.001377497	0.060435448	0.008703082	5.29844E-06	14.87332058	2.45464E-05	0.00010414	0.000228869	0.002103145
2065 Apr	91.8146286	0.022129893	0.025546482	0.001618637	12.17423916	0.054066043	44.38069153	0.000812753	0.000812753	5.92483E-06	0.005408497	0.001378299	0.060470633	0.008708152	5.30153E-06	14.88198185	2.45607E-05	0.0001042	0.000229003	0.00210437
2065 May	92.02922821	0.022164429	0.025573947	0.001620508	12.19461823	0.054173261	44.49367142	0.000813594	0.000813594	5.93392E-06	0.005419661	0.001381885	0.060624789	0.008727157	5.30898E-06	14.91688824	2.46211E-05	0.000104474	0.000229595	0.002109014
2065 Jun	92.16399384	0.021988111	0.025325056	0.001606551	12.12962055	0.054119654	44.68050003	0.000805223	0.000805223	5.9016E-06	0.005413965	0.001386674	0.06088458	0.008690652	5.27346E-06	14.91843414	2.46901E-05	0.000104529	0.000229944	0.002110546
2065 Jul	93.10001373	0.022137105	0.025491189	0.001617766	12.22492504	0.054632589	45.17858505	0.000810339	0.000810339	5.94867E-06	0.005464497	0.001401574	0.061565362	0.008758023	5.31334E-06	15.06049728	2.49519E-05	0.000105505	0.000232214	0.002131616
2065 Aug	93.89069366	0.02226563	0.025633089	0.001627314	12.30607033	0.055067368	45.59888458	0.000814693	0.000814693	5.98856E-06	0.005507015	0.001414141	0.062139589	0.008815217	5.34716E-06	15.18068695	2.51717E-05	0.000106326	0.000234132	0.002149426
2065 Sep	94.07700348	0.022179954	0.025502713	0.001620405	12.27630901	0.055106886	45.77604294	0.000810232	0.000810232	5.97483E-06	0.005509145	0.001418563	0.062384874	0.008792216	5.33056E-06	15.19284058	2.52413E-05	0.00010637	0.000234465	0.002152961
2065 Oct	93.95000458	0.022037704	0.025284018	0.001608004	12.20608425	0.054964222	45.79862976	0.000803088	0.000803088	5.94116E-06	0.005493796	0.001418326	0.06242004	0.008741443	5.2962E-06	15.15537453	2.52278E-05	0.000106078	0.000234017	0.002149297
2065 Nov	93.96569824	0.022033378	0.025269629	0.001607261	12.20298576	0.054967087	45.8140564	0.000802638	0.000802638	5.93967E-06	0.0054941	0.00141874	0.062441651	0.008739425	5.29445E-06	15.15645981	2.52341E-05	0.000106086	0.000234043	0.002149575
2065 Dec	93.96858978	0.022034137	0.025270399	0.00160731	12.20336533	0.054968789	45.81544876	0.000802663	0.000802663	5.93985E-06	0.005494273	0.001418784	0.062443554	0.008739703	5.29462E-06	15.15693188	2.52348E-05	0.000106089	0.00023405	0.002149641
2066 Jan	93.9705658	0.022034643	0.02527093	0.001607344	12.20362759	0.054969944	45.81639862	0.000802681	0.000802681	5.93997E-06	0.00549439	0.001418814	0.062444851	0.0087399	5.29473E-06	15.15725994	2.52354E-05	0.000106091	0.000234055	0.002149686
2066 Feb	93.97665405	0.022036092	0.025272565	0.001607448	12.204422	0.054973491	45.81935501	0.000802732	0.000802732	5.94036E-06	0.005494745	0.001418906	0.062448874	0.00874048	5.29507E-06	15.1582489	2.5237E-05	0.000106098	0.000234071	0.002149825
2066 Mar	94.00540161	0.022042843	0.025280297	0.001607939	12.20815754	0.054990295	45.83335876	0.000802978	0.000802978	5.94217E-06	0.005496426	0.00141934	0.062467966	0.008743159	5.29669E-06	15.16288948	2.52447E-05	0.000106131	0.000234142	0.002150482
2066 Apr	94.04289246	0.02205164	0.025290377	0.00160858	12.21302605	0.055012219	45.85163116	0.000803298	0.000803298	5.94454E-06	0.005498617	0.001419906	0.062492866	0.008746651	5.2988E-06	15.16893864	2.52548E-05	0.000106173	0.000234236	0.00215134
2066 May	94.2016983	0.022087116	0.025329642	0.001611092	12.2328043	0.055103019	45.92998886	0.000804542	0.000804542	5.95407E-06	0.005507747	0.001422344	0.062599681	0.008761332	5.30722E-06	15.19459915	2.52978E-05	0.000106356	0.000234638	0.002154942
2066 Jun	94.24134827	0.021872375	0.025045859	0.001595234	12.15135002	0.054995704	46.07663727	0.000795237	0.000795237	5.91548E-06	0.005497473	0.00142579	0.062807448	0.008710272	5.26597E-06	15.17761707	2.5347E-05	0.000106282	0.00023467	0.002154342
2066 Jul	95.2831192	0.022015603	0.025202191	0.001606153	12.24889278	0.055555414	46.6436882	0.000800025	0.000800025	5.96404E-06	0.005552657	0.001442656	0.063583501	0.008779413	5.30629E-06	15.33313465	2.56424E-05	0.000107352	0.000237178	0.002177667
2066 Aug	96.08531189	0.022146322	0.025346681	0.001615874	12.33139038	0.055996727	47.06972122	0.000804467	0.000804467	6.00462E-06	0.005595859	0.001455407	0.064165533	0.008837691	5.34071E-06	15.45518112	2.58655E-05	0.000108186	0.000239126	0.002195741
2066 Sep	96.43488312	0.022154378	0.025340883	0.001616254	12.34672451	0.056162313	47.28850937	0.000804083	0.000804083	6.01253E-06	0.005611311	0.001461567	0.064465709	0.008847529	5.34533E-06	15.50144482	2.59702E-05	0.000108484	0.000239924	0.00220334
2066 Oct	96.47796631	0.022111345	0.025269747	0.00161239	12.32799339	0.056156438	47.34807968	0.000801712	0.000801712	6.00368E-06	0.005610116	0.001462963	0.064548738	0.008833652	5.33548E-06	15.50053692	2.5991E-05	0.000108462	0.000239971	0.00220239

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2066 Nov	96.49563599	0.022101078	0.025251897	0.001611436	12.32365036	0.0561583	47.36720657	0.000801115	0.000801115	6.00164E-06	0.005610141	0.001463434	0.064575315	0.008830425	5.33312E-06	15.50124931	2.59982E-05	0.000108463	0.000239999	0.002204302
2066 Dec	96.50502014	0.022103306	0.025254346	0.001611593	12.32485485	0.056163777	47.37179565	0.000801193	0.000801193	6.00222E-06	0.00561069	0.001463576	0.06458158	0.008831293	5.33364E-06	15.50276375	2.60007E-05	0.000108473	0.000240022	0.002204517
2067 Jan	96.50738525	0.022103889	0.025254961	0.001611632	12.32516003	0.056165144	47.37294006	0.000801213	0.000801213	6.00237E-06	0.005610828	0.001463612	0.064583138	0.008831521	5.33377E-06	15.50314999	2.60014E-05	0.000108476	0.000240028	0.002204571
2067 Feb	96.51268768	0.022105126	0.025256351	0.00161172	12.32584286	0.056168217	47.37553406	0.000801257	0.000801257	6.0027E-06	0.005611137	0.001463693	0.064586669	0.008832022	5.33406E-06	15.50401115	2.60028E-05	0.000108482	0.000240042	0.002204691
2067 Mar	96.5272522	0.022108469	0.02526016	0.001611963	12.32770348	0.056176677	47.38267136	0.000801378	0.000801378	6.0036E-06	0.005611983	0.001463914	0.064596392	0.00883336	5.33487E-06	15.50635242	2.60067E-05	0.000108499	0.000240078	0.002205024
2067 Apr	96.55876923	0.022115696	0.025268411	0.00161249	12.33173084	0.056195021	47.39814377	0.00080164	0.00080164	6.00556E-06	0.005613815	0.001464392	0.064617485	0.008836249	5.33661E-06	15.5114193	2.60152E-05	0.000108534	0.000240156	0.002205744
2067 May	96.80965424	0.022161255	0.025309822	0.00161523	12.35791779	0.056325864	47.52743149	0.00080293	0.00080293	6.01757E-06	0.005627311	0.00146848	0.064793855	0.008858951	5.34676E-06	15.55224514	2.6085E-05	0.000108847	0.000240833	0.00221125
2067 Jun	96.99324036	0.022042315	0.025133805	0.001605455	12.31706715	0.056326184	47.7110405	0.00079695	0.00079695	5.9967E-06	0.005627136	0.001473445	0.065047733	0.008839088	5.32286E-06	15.56695747	2.61595E-05	0.000108993	0.00024133	0.002214179
2067 Jul	97.96031952	0.022215638	0.025327843	0.001618306	12.42259026	0.056865424	48.2141571	0.000803007	0.000803007	6.04855E-06	0.005680513	0.001488653	0.065734968	0.008914335	5.36749E-06	15.71634007	2.64271E-05	0.000110026	0.000243695	0.002236034
2067 Aug	98.66213989	0.022295691	0.025412222	0.001624472	12.48207188	0.057235762	48.60710144	0.000805497	0.000805497	6.07819E-06	0.005716209	0.001500207	0.066272564	0.00895605	5.39137E-06	15.81894016	2.66266E-05	0.000110714	0.000245369	0.002251692
2067 Sep	99.02433014	0.022315882	0.025422661	0.001625793	12.50296211	0.057413921	48.82565308	0.000805663	0.000805663	6.08875E-06	0.005733044	0.001506449	0.066572271	0.008970078	5.39867E-06	15.86860752	2.67332E-05	0.000111041	0.000246208	0.002259628
2067 Oct	98.99067688	0.022234254	0.02529834	0.001618809	12.46469021	0.057351116	48.86305237	0.000801559	0.000801559	6.0705E-06	0.005725911	0.001506977	0.066625819	0.008941938	5.37966E-06	15.85218334	2.67369E-05	0.000110903	0.000246039	0.002258394
2067 Nov	99.01482391	0.022230176	0.025286824	0.001618231	12.46268082	0.057358805	48.88282394	0.000801183	0.000801183	6.06956E-06	0.005726616	0.001507508	0.066653237	0.008940529	5.37841E-06	15.85450935	2.67454E-05	0.000110917	0.000246087	0.002258871
2067 Dec	99.02632141	0.022232736	0.025289616	0.001618411	12.46409225	0.057365425	48.88855362	0.000801272	0.000801272	6.07025E-06	0.005727279	0.001507685	0.06666106	0.008941546	5.37901E-06	15.85634232	2.67486E-05	0.00011093	0.000246115	0.002259132
2068 Jan	99.02970123	0.022233544	0.025290478	0.001618466	12.46452332	0.057367377	48.89020157	0.000801299	0.000801299	6.07046E-06	0.005727475	0.001507737	0.066663302	0.008941866	5.3792E-06	15.85689354	2.67495E-05	0.000110934	0.000246124	0.002259209
2068 Feb	99.03405762	0.022234546	0.025291588	0.001618537	12.46507645	0.05736988	48.8923378	0.000801335	0.000801335	6.07072E-06	0.005727727	0.001507803	0.066666216	0.008942274	5.37943E-06	15.85759926	2.67506E-05	0.000110939	0.000246135	0.002259308
2068 Mar	99.06092834	0.02224059	0.025298452	0.001618976	12.46846104	0.057385437	48.90559769	0.000801552	0.000801552	6.07237E-06	0.00572928	0.001508212	0.066684291	0.008944709	5.38089E-06	15.86190605	2.67579E-05	0.000110969	0.000246202	0.002259921
2068 Apr	99.16764069	0.022264555	0.025325704	0.00162072	12.48189354	0.057447251	48.95827103	0.000802415	0.000802415	6.07891E-06	0.005735451	0.001509837	0.066756114	0.008954348	5.38669E-06	15.8789959	2.67867E-05	0.000111089	0.000246467	0.002262356
2068 May	99.37226105	0.022294458	0.025348078	0.001622289	12.50015926	0.057547934	49.06787491	0.000803086	0.000803086	6.08703E-06	0.005745898	0.00151329	0.066905737	0.008971591	5.39321E-06	15.9118824	2.68447E-05	0.000111346	0.000247029	0.002266768
2068 Jun	99.092659	0.021941088	0.024881972	0.001595174	12.3503809	0.05720241	49.09909058	0.000787588	0.000787588	6.01315E-06	0.005710569	0.001512821	0.066954933	0.008877454	5.31813E-06	15.83860397	2.68142E-05	0.000110885	0.000246348	0.002258262
2068 Jul	99.86003113	0.022026405	0.024971919	0.001601815	12.41467381	0.057605106	49.52867889	0.000790282	0.000790282	6.04542E-06	0.005749993	0.001525485	0.067543328	0.008922987	5.3441E-06	15.95075035	2.70345E-05	0.00011165	0.00024818	0.002275346
2068 Aug	100.7347336	0.022185616	0.02514874	0.0016135	12.51068687	0.058093678	49.98305511	0.000795792	0.000795792	6.09245E-06	0.00579819	0.001539226	0.06816382	0.008991507	5.3846E-06	16.08613205	2.72757E-05	0.000112585	0.000250322	0.002295116
2068 Sep	101.0767899	0.022189861	0.025136182	0.001613497	12.52375603	0.058253422	50.20012283	0.000795199	0.000795199	6.09926E-06	0.005813051	0.001545319	0.068461843	0.008999766	5.38814E-06	16.13082504	2.73789E-05	0.000112873	0.000251097	0.002302523
2068 Oct	101.2001953	0.02219779	0.025135692	0.001613739	12.52993488	0.058313064	50.27583313	0.000795144	0.000795144	6.10237E-06	0.005818794	0.001547488	0.068565808	0.009004058	5.39012E-06	16.14758682	2.74157E-05	0.000112984	0.00025138	0.002305208
2068 Nov	101.2516861	0.022208618	0.025147269	0.001614494	12.53597927	0.058342334	50.30191422	0.000795511	0.000795511	6.10532E-06	0.005821717	0.001548287	0.068601415	0.009008417	5.39269E-06	16.15571213	2.74298E-05	0.000113041	0.000251507	0.002306376
2068 Dec	101.260704	0.022210656	0.025149504	0.001614638	12.53709984	0.058347542	50.30638123	0.000795582	0.000795582	6.10586E-06	0.005822239	0.001548425	0.068607517	0.009009226	5.39317E-06	16.15715599	2.74323E-05	0.000113051	0.00025153	0.002306581
2069 Jan	101.2626572	0.022211114	0.025149988	0.001614669	12.53734398	0.058348663	50.30733871	0.000795597	0.000795597	6.10598E-06	0.005822351	0.001548455	0.068608828	0.00900941	5.39327E-06	16.15747261	2.74328E-05	0.000113054	0.000251535	0.002306626
2069 Feb	101.2654648	0.022211747	0.025150687	0.001614714	12.53769588	0.058350269	50.30872726	0.000795619	0.000795619	6.10615E-06	0.005822513	0.001548498	0.068610713	0.00900967	5.39342E-06	16.15792656	2.74336E-05	0.000113057	0.000251542	0.00230669
2069 Mar	101.2672882	0.022212155	0.025151137	0.001614743	12.53792286	0.058351312	50.30962372	0.000795634	0.000795634	6.10626E-06	0.005822617	0.001548526	0.068611935	0.009009836	5.39352E-06	16.15822029	2.7434E-05	0.000113059	0.000251546	0.002306731
2069 Apr	101.2944794	0.022218125	0.025157893	0.001615176	12.54129124	0.058366984	50.32313156	0.000795847	0.000795847	6.1079E-06	0.005824181	0.001548942	0.06863036	0.00901226	5.39497E-06	16.16256142	2.74414E-05	0.000113089	0.000251614	0.00230735
2069 May	101.5661926	0.022275181	0.025221433	0.001619278	12.57385826	0.058521461	50.45957184	0.00079785	0.00079785	6.1237E-06	0.005839607	0.001553137	0.068816468	0.009035981	5.40883E-06	16.20576477	2.75154E-05	0.000113393	0.000252292	0.002313513
2069 Jun	101.7011337	0.022126675	0.025025789	0.001608646	12.52262878	0.058499608	50.62654495	0.000791466	0.000791466	6.1002E-06	0.005838042	0.001557416	0.069051132	0.009003904	5.38251E-06	16.20819664	2.75837E-05	0.000113445	0.000252548	0.002315445
2069 Jul	102.5441055	0.022220282	0.025124386	0.001615916	12.59306431	0.058940902	51.09869385	0.000794405	0.000794405	6.13556E-06	0.005881376	0.001571315	0.069697879	0.009053639	5.41095E-06	16.33125114	2.78263E-05	0.000114288	0.00025456	0.002334199
2069 Aug	103.2600708	0.022301918	0.025208579	0.001622081	12.65320206	0.05931728	51.50049591	0.000796862	0.000796862	6.16543E-06	0.005917652	0.001583099	0.07024771	0.009095626	5.43493E-06	16.43571854	2.80301E-05	0.000114991	0.000256267	0.002350148
2069 Sep	103.3692017	0.022218578	0.02508463	0.001615377	12.62150097	0.059322625	51.62740707	0.000792649	0.000792649	6.15065E-06	0.005916582	0.001586106	0.070423886	0.009071168	5.41805E-06	16.43792343	2.80759E-05	0.000114968	0.000256422	0.002352037
2069 Oct	103.1741943	0.022097981	0.024900652	0.001604784	12.5581789	0.059161346	51.5921402	0.000786694	0.000786694	6.12017E-06	0.005899752	0.001584359	0.070379093	0.009025346	5.38781E-06	16.39444351	2.80381E-05	0.000114642	0.000255836	0.002347044
2069 Nov	103.1928558	0.022098854	0.024891198	0.001604332	12.5568285	0.059167862	51.60671997	0.00078642	0.00078642	6.11949E-06	0.005900514	0.001584785	0.070399523	0.009024709	5.38689E-06	16.39653015	2.80447E-05	0.000114658	0.000255872	0.002347405
2069 Dec	103.1984711	0.022100139	0.024892537	0.001604419	12.55751514	0.059171088	51.60951233	0.000786463	0.000786463	6.11982E-06	0.005900839	0.001584872	0.070403337	0.009025209	5.38719E-06	16.39742851	2.80463E-05	0.000114665	0.000255886	0.002347533
2070 Jan	103.1989746	0.022100296	0.02489266	0.001604426	12.5575819	0.059171371	51.60974884	0.000786467	0.000786467	6.11985E-06	0.00590087	0.00158488	0.070403658	0.009025268	5.38721E-06	16.39751625	2.80464E-05	0.000114665	0.000255888	0.002347544
2070 Feb	103.1992874	0.022100387	0.024892736	0.001604431	12.55762482	0.059171535	51.60988998	0.000786469	0.000786469	6.11987E-06	0.005900887	0.001584885	0.070403844	0.00902531	5.38723E-06	16.39757538	2.80465E-05	0.000114666	0.000255889	0.002347551
2070 Mar	103.2092209	0.022102527	0.024895132	0.001604585	12.55883598	0.059177224	51.61484528	0.000786545	0.000786545	6.12046E-06	0.005901454	0.001585037	0.070410617	0.009026187	5.38775E-06	16.39915848	2.80492E-05	0.000114677	0.000255913	0.002347776
2070 Apr	103.2692032	0.022115318	0.024909507	0.001605512	12.56611061	0.059211563	51.6448822	0.000786999	0.000786999	6.124E-06	0.005904878	0.001585959	0.07045158	0.009031424	5.39086E-06	16.40868759	2.80655E-05	0.000114744	0.000256062	0.00234914
2070 May	103.5039749	0.022152081	0.024941187	0.001607678	12.58840847	0.059331249	51.76951981	0.000787963	0.000787963	6.13422E-06	0.005917125	0.001589845	0.070621721	0.009050883	5.39928E-06	16.44606781	2.81316E-05	0.000115027	0.000256689	0.002354268
2070 Jun	103.6352386	0.022043474	0.024778929	0.001598557	12.54936123	0.059311636	51.91371918	0.000782471	0.000782471	6.11395E-06	0.005915232	0.001593776	0.070821203	0.009032924	5.3766E-06	16.45544434	2.81886E-05	0.000115144	0.000257081	0.002356102
2070 Jul	104.4857864	0.022167597	0.024913916	0.001607857	12.63134384	0.059771288	52.37327194	0.000786599	0.000786599	6.15451E-06	0.005960445	0.001607473	0.071449667	0.009091178	5.41048E-06	16.58327484	2.84283E-05	0.000116022	0.000259139	0.002375174
2070 Aug	105.2385101	0.022269569	0.02502295	0.001615494	12.70081902	0.060174935	52.78547668	0.000789884	0.000789884	6.18886E-06	0.005999685	0.001619688	0.072013311	0.009140244	5.43883E-06	16.69530678	2.86404E-05	0.000116783	0.000260951	0.002392025
2070 Sep	105.3772125	0.022200447	0.02491324	0.001609661	12.67501163	0.060200397	52.92338562	0.000786151	0.000786151	6.1769E-06	0.006000794	0.001623088	0.072204381	0.009120176	5.42462E-06	16.70304298	2.86937E-05	0.000116801	0.000261184	0.002394616
2070 Oct	105.3216782	0.022135796	0.024810538	0.001603859	12.64229774	0.060136169	52.93661118	0.000782801	0.000782801	6.16123E-06	0.005993837	0.001623045	0.072224528	0.009096283	5.40859E-06	16.68591118	2.86885E-05	0.000116665	0.000260978	0.002392993
2070 Nov	105.348381	0.022135785	0.024807103	0.001603729	12.64268684	0.060147908	52.95446777	0.000782682	0.000782682	6.16145E-06	0.005994952	0.001623545	0.072249129	0.009096532	5.40854E-06	16.68924713	2.86968E-05	0.000116687	0.000261037	0.002393561
2070 Dec	105.3510056	0.022136403	0.024807716	0.001603769	12.64300728	0.060149416	52.95577621	0.000782702	0.000782702	6.1616E-06	0.005995105	0.001623585	0.072250918	0.009096768	5.40868E-06	16.68966675	2.86976E-05	0.00011669	0.000261043	0.00239362
2071 Jan	105.3516235	0.022136567	0.024807861	0.001603778	12.64308548	0.060149767	52.95607376	0.000782707	0.000782707	6.16164E-06	0.005995141	0.001623595	0.07225132	0.009096832	5.40871E-06	16.68977165	2.86977E-05	0.00011669	0.000261045	0.002393634
2071 Feb	105.351944	0.022136655	0.024807937	0.001603783	12.64312744	0.060149938	52.95622635	0.000782709	0.000782709	6.16166E-06	0.005995159	0.0016236	0.072251536	0.009096871	5.40872E-06	16.68982887	2.86978E-05	0.000116691	0.000261046	0.002393641
2071 Mar	105.3543472	0.022137169	0.024808504	0.001603819	12.64341831	0.060151301	52.95742798	0.000782727	0.000782727	6.1618E-06	0.005995295	0.001623637	0.07225316	0.009097084	5.40885E-06	16.69021416	2.86985E-05	0.000116694	0.000261052	0.002393696
2071 Apr	105.3809738	0.02214277	0.024814773	0.001604225	12.64661503	0.060166501	52.97080612	0.000782925	0.000782925	6.16336E-06	0.00599681	0.001624047	0.072271422	0.009099388	5.41021E-06	16.69443321	2.87057E-05	0.000116723	0.000261118	0.0023943
2071 May	105.4904633	0.022142772	0.0248021	0.001603624	12.6496582	0.060207363	53.03860092	0.000782454	0.000782454	6.16407E-06	0.006001161	0.001626147	0.072364151	0.009105734	5.4099E-06	16.71107101	2.87392E-05	0.000116865	0.00026144	0.002396495
2071 Jun	105.3698578	0.02194711	0.024536347	0.001588186	12.56737995	0.06002406	53.07515717	0.000773646	0.000773646	6.12291E-06	0.005983069	0.001626626	0.07241796	0.009057925	5.36777E-06	16.67709541	2.87336E-05	0.000116687	0.000261199	0.002392376
2071 Jul	106.0366592	0.022008631	0.024598872	0.001593054	12.61831284	0.060366739	53.45655441	0.000775428	0.000775428	6.1486E-06	0.00601645	0.001637749	0.072940513	0.009093517	5.38785E-06	16.77273369	2.89271E-05	0.000117336	0.00026278	0.002407151
2071 Aug	106.8114395	0.022123197	0.024721753	0.001601499	12.69310474	0.060785845	53.87552643	0.000779159	0.000779159	6.18541E-06	0.006057379	0.001650216	0.073513247	0.009146485	5.41857E-06	16.8891964	2.91444E-05	0.000118132	0.000264655	0.002424525
2071 Sep	107.0118332	0.022078294	0.02464949	0.001597878	12.68134689	0.060855217	54.03391647	0.000776641	0.000776641	6.18027E-06	0.006062894	0.001654365	0.073731951	0.009136584	5.41094E-06	16.90883446	2.92115E-05	0.000118238	0.000265056	0.002428606
2071 Oct	107.0321655	0.02203802	0.024586735	0.001594427	12.66375351	0.060841601	54.07625961	0.000774541	0.000774541	6.17197E-06	0.00606093	0.001655278	0.073791102	0.009123255	5.4019E-06	16.90536499	2.92245E-05	0.000118197	0.000265054	0.002428804
2071 Nov	107.0444031	0.022037575	0.024574567	0.001593815	12.66133976	0.060844164	54.08802032	0.000774186	0.000774186	6.17076E-06	0.006061316	0.001655617	0.073807754	0.009121884	5.40051E-06	16.90636826	2.92295E-05	0.000118206	0.000265073	0.002429014
2071 Dec	107.047699	0.022038693	0.024575045	0.001593853	12.6616993	0.060846038	54.08967209	0.000774206	0.000774206	6.17093E-06	0.006061523	0.001655672	0.073810041	0.009122185	5.40065E-06	16.90690994	2.92304E-05	0.000118211	0.000265081	0.002429087
2072 Jan	107.0491867	0.022039058	0.024575388	0.001593875	12.6618824	0.060846884	54.09040833	0.000774217	0.000774217	6.17102E-06	0.00606161	0.001655695	0.073811039	0.009122331	5.40073E-06	16.90715599	2.92308E-05	0.000118213	0.000265085	0.0242912
2072 Feb	107.0504074	0.022039335	0.024575669	0.001593892	12.66203308	0.060847554	54.09100342	0.000774225	0.000774225	6.17109E-06	0.006061678	0.001655714	0.073811851	0.009122453	5.40079E-06	16.90735817	2.92312E-05	0.000118214	0.000265088	0.002429147
2072 Mar	107.0531616	0.02203992	0.024576301	0.001593933	12.66236115	0.060849108	54.09238052	0.000774245	0.000774245	6.17124E-06	0.006061833	0.001655757	0.073813729	0.009122698	5.40093E-06	16.90779877	2.92319E-05	0.000118217	0.000265095	0.0242921
2072 Apr	107.1004105	0.022049656	0.024587149	0.001594636	12.66795254	0.060875963	54.1162529	0.000774587	0.000774587	6.17397E-06	0.006064509	0.001656488	0.073846303	0.009126729	5.40331E-06	16.91526604	2.92448E-05	0.000118269	0.000265212	0.002430282
2072 May	107.3426895	0.02209943	0.02464262	0.001598235	12.69656563	0.061013602	54.2387352	0.000776334	0.000776334	6.18791E-06	0.00607822	0.001660236	0.074013449	0.009147352	5.41551E-06	16.95351982	2.9311E-05	0.000118537	0.000265812	0.002435779
2072 Jun	107.5315399	0.022031734	0.024555983	0.001593945	12.67957878	0.061067812	54.39190674	0.000773592	0.000773592	6.18149E-06	0.006084487	0.00166442	0.074227877	0.009136241	5.40664E-06	16.97114563	2.93834E-05	0.000118681	0.00026619	0.002439465
2072 Jul	108.1857224	0.022078231	0.024600418	0.001597814	12.72459507	0.061398495	54.77349854	0.000774823	0.000774823	6.20452E-06	0.006116597	0.001675516	0.07475125	0.009167884	5.42402E-06	17.06351471	2.95751E-05	0.000119305	0.000267729	0.002453902
2072 Aug	108.6464386	0.022058569	0.024558822	0.001596464	12.73489857	0.061605904	55.07722092	0.00077324	0.00077324	6.21041E-06	0.006135236	0.001683979	0.075169429	0.009173738	5.42529E-06	17.12145424	2.97152E-05	0.000119674	0.00026875	0.002463768
2072 Sep	108.8411102	0.022018062	0.024491744	0.001593147	12.72474766	0.061675526	55.22861862	0.000770938	0.000770938	6.206E-06	0.006140858	0.001687999	0.075378895	0.009165396	5.4185E-06	17.14121819	2.97795E-05	0.000119789	0.000269142	0.002467731
2072 Oct	108.7111511	0.021931423	0.024362285	0.001585696	12.68029499	0.061565436	55.2091217	0.00076672	0.00076672	6.18466E-06	0.006129195	0.001686885	0.075354531	0.009132794	5.39724E-06	17.11125755	2.9755E-05	0.000119559	0.000268743	0.002464387
2072 Nov	108.7180252	0.021925649	0.024349984	0.001585037	12.67715454	0.061564498	55.21876907	0.000766323	0.000766323	6.18316E-06	0.006129049	0.00168712	0.075368054	0.009130538	5.39558E-06	17.11112022	2.97584E-05	0.000119556	0.000268749	0.002464486
2072 Dec	108.7210617	0.021926336	0.02435066	0.001585081	12.67751408	0.06156623	55.22029877	0.000766344	0.000766344	6.18333E-06	0.006129225	0.001687167	0.075370148	0.009130803	5.39573E-06	17.11160469	2.97592E-05	0.000119559	0.000268757	0.002464555
2073 Jan	108.7221603	0.021926597	0.024350904	0.001585097	12.67764664	0.061566848	55.22084045	0.000766352	0.000766352	6.18339E-06	0.006129288	0.001687184	0.075370878	0.009130906	5.39579E-06	17.11178398	2.97595E-05	0.000119561	0.000268759	0.002464579
2073 Feb	108.7237091	0.02192693	0.024351252	0.00158512	12.67783165	0.061567705	55.22161484	0.000766363	0.000766363	6.18348E-06	0.006129374	0.001687209	0.075371943	0.00913105	5.39587E-06	17.11203575	2.97599E-05	0.000119563	0.000268763	0.002464614
2073 Mar	108.7300186	0.021928212	0.024352666	0.001585211	12.67856884	0.06157127	55.22481155	0.000766408	0.000766408	6.18384E-06	0.00612973	0.001687306	0.075376302	0.009131586	5.39618E-06	17.11303139	2.97617E-05	0.00011957	0.000268779	0.002464757
2073 Apr	108.836647	0.021949723	0.024376551	0.001586766	12.6910038	0.061631653	55.278965	0.000767159	0.000767159	6.1899E-06	0.006135741	0.001688961	0.075450219	0.009140545	5.40147E-06	17.12981606	2.97908E-05	0.000119687	0.000269043	0.002467174
2073 May	108.983017	0.021967707	0.024380889	0.001587168	12.70173073	0.061694801	55.35852814	0.00076727	0.00076727	6.19395E-06	0.006142754	0.001691589	0.075558797	0.009154383	5.40435E-06	17.15452194	2.98332E-05	0.000119903	0.000269491	0.002470183
2073 Jun	108.9938354	0.021850467	0.0242093	0.001577278	12.65443707	0.061612692	55.43105316	0.000761557	0.000761557	6.1694E-06	0.006135162	0.00169352	0.075660244	0.009131896	5.37845E-06	17.14761925	2.98555E-05	0.000119922	0.000269615	0.0246932
2073 Jul	109.7830505	0.021924838	0.024285074	0.001583104	12.71522331	0.062019419	55.88265991	0.000763676	0.000763676	6.19986E-06	0.006174339	0.001706656	0.076278381	0.009174027	5.40226E-06	17.26080894	3.00831E-05	0.00012068	0.000271487	0.002486835
2073 Aug	110.5298691	0.022020323	0.024385538	0.001590242	12.78184319	0.062416561	56.29525375	0.000766672	0.000766672	6.23282E-06	0.006212885	0.001718843	0.076842673	0.009221063	5.4292E-06	17.37124062	3.02945E-05	0.000121428	0.000273282	0.002503517
2073 Sep	110.7846985	0.022000613	0.024347557	0.001588632	12.78282166	0.062524602	56.47131729	0.000765254	0.000765254	6.23381E-06	0.006222426	0.00172363	0.077084839	0.009220342	5.42748E-06	17.40143204	3.03743E-05	0.000121611	0.000273835	0.002508927

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2073 Oct	110.6921463	0.02192826	0.02423875	0.001582404	12.74623203	0.062440194	56.46541214	0.000761698	0.000761698	6.21628E-06	0.006213364	0.001722984	0.077078722	0.009193324	5.40987E-06	17.3784008	3.03587E-05	0.000121431	0.000273536	0.002506483
2073 Nov	110.6939926	0.021918315	0.024221269	0.001581443	12.74125671	0.062434833	56.4745636	0.000761125	0.000761125	6.21391E-06	0.00621272	0.001723174	0.077091627	0.009189652	5.40733E-06	17.37701988	3.03612E-05	0.000121418	0.000273526	0.002506453
2073 Dec	110.70401	0.021920376	0.024223458	0.001581587	12.74241543	0.0624405	56.47966003	0.000761195	0.000761195	6.21448E-06	0.006213286	0.00172333	0.077098593	0.009190494	5.40783E-06	17.37860107	3.03639E-05	0.000121429	0.000273551	0.00250668
2074 Jan	110.7055817	0.021920729	0.024223803	0.001581609	12.74260139	0.062441379	56.48044968	0.000761206	0.000761206	6.21457E-06	0.006213376	0.001723355	0.077099673	0.009190638	5.4079E-06	17.37885475	3.03644E-05	0.00012143	0.000273555	0.002506715
2074 Feb	110.706398	0.02192091	0.024223981	0.001581621	12.74269867	0.062441826	56.48085022	0.000761211	0.000761211	6.21461E-06	0.006213421	0.001723368	0.077100217	0.009190718	5.40794E-06	17.37899017	3.03646E-05	0.000121431	0.000273557	0.002506734
2074 Mar	110.7156143	0.021922747	0.024225999	0.001581752	12.74376297	0.062447019	56.48554611	0.000761275	0.000761275	6.21513E-06	0.006213938	0.001723511	0.077106625	0.00919149	5.40839E-06	17.38043976	3.03671E-05	0.000121442	0.00027358	0.002506942
2074 Apr	110.8053741	0.021940526	0.02424564	0.001583034	12.75409603	0.062497638	56.53133774	0.000761892	0.000761892	6.22017E-06	0.006218975	0.001724909	0.077169135	0.009198946	5.41278E-06	17.39453316	3.03917E-05	0.00012154	0.000273802	0.002508974
2074 May	110.9850159	0.021950247	0.024232991	0.00158248	12.7622261	0.06256596	56.63613129	0.000761418	0.000761418	6.22249E-06	0.006226646	0.001728312	0.077312283	0.009213428	5.41352E-06	17.4239254	3.04455E-05	0.000121804	0.000274363	0.002512556
2074 Jun	110.7306442	0.021706033	0.023907201	0.001563257	12.655756	0.062290374	56.61815643	0.000750547	0.000750547	6.16886E-06	0.006198774	0.001726983	0.077290937	0.009149732	5.35965E-06	17.36713219	3.04049E-05	0.000121463	0.000273818	0.002505223
2074 Jul	111.6722412	0.021832472	0.02404172	0.001572697	12.74205494	0.062792845	57.13407135	0.000754599	0.000754599	6.21156E-06	0.006247992	0.001742276	0.077996589	0.009211018	5.39484E-06	17.50724983	3.06717E-05	0.000122422	0.00027609	0.00252627
2074 Aug	112.6122971	0.021986706	0.024208529	0.001583934	12.83833408	0.063307658	57.63307953	0.000759733	0.000759733	6.25875E-06	0.006298649	0.001757252	0.078678399	0.009279917	5.43482E-06	17.65069008	3.09336E-05	0.000123412	0.000278384	0.002547407
2074 Sep	112.8162994	0.021947548	0.024143094	0.001580697	12.82868671	0.063381262	57.79085541	0.000757429	0.000757429	6.25462E-06	0.006304651	0.001761393	0.078895956	0.009271353	5.42822E-06	17.67130089	3.10013E-05	0.000123524	0.000278797	0.002551604
2074 Oct	112.8275528	0.021912752	0.024083465	0.001577425	12.81184864	0.063365296	57.82547379	0.000755466	0.000755466	6.24663E-06	0.006302619	0.001762126	0.078944623	0.009258758	5.41962E-06	17.6671257	3.10113E-05	0.000123481	0.000278774	0.002551616
2074 Nov	112.8568192	0.021912428	0.0240802	0.001577306	12.81236553	0.06337826	57.84497452	0.000755346	0.000755346	6.24693E-06	0.006303828	0.001762668	0.078971438	0.00925904	5.41961E-06	17.67077065	3.10204E-05	0.000123504	0.000278839	0.002552241
2074 Dec	112.8654709	0.021914074	0.024081917	0.00157742	12.81331348	0.06338308	57.84945297	0.000755401	0.000755401	6.24739E-06	0.006304308	0.001762804	0.078977562	0.009259729	5.42001E-06	17.67211533	3.10228E-05	0.000123514	0.00027886	0.002552436
2075 Jan	112.8672104	0.021914452	0.02408229	0.001577445	12.81351662	0.063384056	57.85033417	0.000755412	0.000755412	6.24748E-06	0.006304407	0.001762831	0.078978769	0.009259884	5.42009E-06	17.67239761	3.10233E-05	0.000123516	0.000278864	0.002552475
2075 Feb	112.8702698	0.021915067	0.024082944	0.001577487	12.81386757	0.063385755	57.85188675	0.000755433	0.000755433	6.24765E-06	0.006304577	0.001762879	0.078980885	0.009260147	5.42024E-06	17.67288399	3.10241E-05	0.000123519	0.000278872	0.002552544
2075 Mar	112.8873901	0.021918405	0.024086598	0.001577726	12.81581402	0.063395366	57.86065292	0.000755547	0.000755547	6.2486E-06	0.006305533	0.001763147	0.078992851	0.009261558	5.42106E-06	17.67556763	3.10288E-05	0.000123538	0.000278915	0.002552931
2075 Apr	112.9695511	0.021934362	0.02410413	0.001578875	12.82514286	0.0634415	57.90275955	0.000756097	0.000756097	6.25315E-06	0.006310122	0.00176443	0.07905034	0.009268303	5.42501E-06	17.68843269	3.10514E-05	0.000123628	0.000279118	0.002554789
2075 May	113.1956329	0.021976415	0.024146145	0.001581648	12.8495636	0.063563675	58.01925659	0.000757413	0.000757413	6.26472E-06	0.006322498	0.001768046	0.079209358	0.009287672	5.43491E-06	17.72447395	3.1114E-05	0.000123892	0.000279701	0.002559823
2075 Jun	113.0903778	0.021807056	0.023945101	0.001570417	12.78315639	0.063432246	58.04628754	0.000751033	0.000751033	6.23504E-06	0.006310349	0.001768114	0.079253517	0.009240358	5.40448E-06	17.69048882	3.11136E-05	0.000123674	0.000279305	0.002556649
2075 Jul	113.7035294	0.021825764	0.023956791	0.001572393	12.81610203	0.063729271	58.41774368	0.000751218	0.000751218	6.25255E-06	0.006339386	0.001778786	0.079764128	0.009263274	5.41644E-06	17.77400398	3.12985E-05	0.000124242	0.000280724	0.002570038
2075 Aug	114.4065323	0.021901883	0.02403398	0.001578132	12.87351894	0.064096205	58.81471634	0.000753446	0.000753446	6.28108E-06	0.006374752	0.001790409	0.080307364	0.009303494	5.43915E-06	17.87614059	3.14993E-05	0.00012493	0.000282401	0.002585672
2075 Sep	114.7822266	0.021932125	0.024058897	0.00158028	12.89930153	0.064285927	59.03488541	0.000754077	0.000754077	6.29398E-06	0.006392851	0.001796755	0.080608919	0.009321116	5.44878E-06	17.92899895	3.16085E-05	0.00012528	0.000283283	0.002593961
2075 Oct	114.8323441	0.021914935	0.02402609	0.001578569	12.89220047	0.064298265	59.08104706	0.000752974	0.000752974	6.29069E-06	0.006393722	0.001797925	0.080672868	0.009315596	5.44474E-06	17.9325943	3.1627E-05	0.000125295	0.000283371	0.002594925
2075 Nov	114.883873	0.021922734	0.024032081	0.001579017	12.89665413	0.064325541	59.1096077	0.00075316	0.00075316	6.29287E-06	0.00639643	0.001798776	0.080711998	0.009318839	5.44651E-06	17.94024467	3.16418E-05	0.000125348	0.000283494	0.00259607
2075 Dec	114.8922729	0.021924431	0.024033763	0.001579129	12.89758778	0.064330243	59.11392975	0.000753215	0.000753215	6.29332E-06	0.006396902	0.001798909	0.080717921	0.009319523	5.4469E-06	17.94156265	3.16441E-05	0.000125357	0.000283515	0.00259626
2076 Jan	114.8940506	0.021924824	0.024034135	0.001579154	12.89779186	0.064331226	59.1148262	0.000753226	0.000753226	6.29342E-06	0.006397002	0.001798937	0.080719136	0.009319684	5.44698E-06	17.94184685	3.16446E-05	0.000125359	0.000283519	0.002596299
2076 Feb	114.9002533	0.021926034	0.024035435	0.001579239	12.89849567	0.064334683	59.11800385	0.000753267	0.000753267	6.29376E-06	0.006397347	0.001799034	0.080723472	0.009320203	5.44728E-06	17.94282722	3.16463E-05	0.000125366	0.000283535	0.002596439
2076 Mar	114.9168167	0.02192921	0.0240389	0.001579466	12.90035725	0.064343952	59.12651443	0.000753376	0.000753376	6.29467E-06	0.006398269	0.001799294	0.080735095	0.009321555	5.44806E-06	17.9454174	3.16508E-05	0.000125384	0.000283576	0.002596813
2076 Apr	114.9654236	0.021938493	0.024049068	0.001580134	12.90581608	0.064371161	59.15151978	0.000753694	0.000753694	6.29733E-06	0.006400975	0.001800055	0.080769241	0.009325504	5.45037E-06	17.95301247	3.16642E-05	0.000125437	0.000283696	0.002597911
2076 May	115.2022476	0.021977641	0.02408207	0.001582374	12.92885685	0.064491771	59.27587891	0.000754714	0.000754714	6.3078E-06	0.00641345	0.001803977	0.080939002	0.009346106	5.45904E-06	17.99124527	3.17307E-05	0.000125733	0.000284337	0.002603072
2076 Jun	114.978775	0.021780666	0.023817064	0.00156673	12.84204388	0.064258143	59.24791336	0.000745961	0.000745961	6.26401E-06	0.006390582	0.001802653	0.08090394	0.009296008	5.41526E-06	17.94405365	3.16938E-05	0.000125471	0.000283876	0.002596692
2076 Jul	115.687149	0.021835992	0.023870995	0.001571182	12.89231873	0.064617269	59.65964508	0.000747408	0.000747408	6.28943E-06	0.006425224	0.001814575	0.081467994	0.009330792	5.43459E-06	18.04428673	3.19003E-05	0.000126144	0.000285547	0.002612346
2076 Aug	116.5465851	0.021957407	0.023998791	0.001580076	12.97288704	0.065078557	60.12779236	0.000751276	0.000751276	6.3291E-06	0.006470295	0.001828492	0.082108177	0.009388202	5.46745E-06	18.17293358	3.21423E-05	0.000127025	0.000287626	0.002631573
2076 Sep	116.922081	0.021989359	0.024025019	0.001582301	12.99912071	0.065268777	60.34700775	0.000751958	0.000751958	6.3422E-06	0.006488494	0.001834824	0.082408436	0.009406243	5.4773E-06	18.22597122	3.22513E-05	0.000127378	0.000288509	0.002639861
2076 Oct	116.8247757	0.021924218	0.023930818	0.001576866	12.96638298	0.065187454	60.33203506	0.000748869	0.000748869	6.32654E-06	0.006479745	0.001833954	0.082389519	0.009381763	5.46172E-06	18.20342064	3.22326E-05	0.000127201	0.000288207	0.002637381
2076 Nov	116.8295975	0.02191752	0.02391845	0.001576195	12.96304321	0.065185428	60.34068298	0.000748463	0.000748463	6.32496E-06	0.006479455	0.00183415	0.082401633	0.009379264	5.45998E-06	18.20290947	3.22354E-05	0.000127194	0.000288207	0.002637437
2076 Dec	116.8386154	0.021919288	0.023920292	0.001576317	12.96404934	0.065190479	60.34532928	0.000748521	0.000748521	6.32545E-06	0.00647996	0.001834292	0.082407981	0.009379998	5.46041E-06	18.20432281	3.22379E-05	0.000127204	0.00028823	0.002637641
2077 Jan	116.839859	0.02191956	0.023920545	0.001576334	12.96419144	0.065191165	60.34595108	0.00074853	0.00074853	6.32551E-06	0.006480029	0.001834312	0.082408838	0.009380109	5.46046E-06	18.20452118	3.22382E-05	0.000127206	0.000288233	0.002637668
2077 Feb	116.8420868	0.021919999	0.023921004	0.001576363	12.96444321	0.065192401	60.34709167	0.000748544	0.000748544	6.32564E-06	0.006480153	0.001834347	0.082410395	0.009380301	5.46057E-06	18.20487785	3.22388E-05	0.000127208	0.000288238	0.002637718
2077 Mar	116.8483353	0.021921182	0.023922287	0.001576448	12.96513939	0.065195873	60.35031509	0.000748584	0.000748584	6.32597E-06	0.0064805	0.001834445	0.082414784	0.009380809	5.46086E-06	18.20585442	3.22406E-05	0.000127215	0.000288254	0.002637859
2077 Apr	116.9082718	0.021932432	0.023934556	0.001577256	12.97179031	0.065229319	60.38126373	0.000748968	0.000748968	6.32922E-06	0.006483823	0.001835386	0.082457051	0.009385625	5.46366E-06	18.2151947	3.22571E-05	0.000127281	0.000288402	0.002639212
2077 May	117.089653	0.021954639	0.023949588	0.001578381	12.98641777	0.06531693	60.48114777	0.000749396	0.000749396	6.33573E-06	0.00649282	0.001838484	0.082593493	0.009399469	5.46871E-06	18.24365807	3.23091E-05	0.000127501	0.000288892	0.002643113
2077 Jun	116.8489838	0.021753628	0.02368613	0.001562832	12.89826775	0.06507881	60.44546509	0.000740676	0.000740676	6.29177E-06	0.006469096	0.0018368	0.082547918	0.009345868	5.42487E-06	18.19243813	3.22671E-05	0.000127191	0.000288351	0.002636442
2077 Jul	117.7932358	0.02189395	0.023835698	0.001573148	12.98958874	0.065588169	60.95409393	0.000745285	0.000745285	6.33686E-06	0.00651955	0.001852027	0.083243772	0.009411677	5.46258E-06	18.33500862	3.25336E-05	0.000128182	0.000290646	0.002657582
2077 Aug	118.6978607	0.022019986	0.023967801	0.001582366	13.07364464	0.066072442	61.44807434	0.000749267	0.000749267	6.37823E-06	0.006566844	0.001866693	0.083919279	0.009471532	5.49676E-06	18.47016716	3.27887E-05	0.000129108	0.000292834	0.002677806
2077 Sep	118.6483688	0.02191402	0.023821047	0.001574096	13.02730179	0.065994903	61.48864746	0.000744383	0.000744383	6.35635E-06	0.006557464	0.001867124	0.083977722	0.009436076	5.47403E-06	18.44842911	3.27891E-05	0.000128917	0.000292593	0.002676165
2077 Oct	118.6924744	0.021898879	0.023788277	0.001572389	13.0200901	0.066004857	61.53065491	0.000743301	0.000743301	6.35298E-06	0.006558186	0.001868193	0.084036075	0.0094306	5.46997E-06	18.4513588	3.28059E-05	0.000128929	0.000292667	0.002676997
2077 Nov	118.7432022	0.021907266	0.023796782	0.001572969	13.02517033	0.066032477	61.55773163	0.000743565	0.000743565	6.35546E-06	0.006560919	0.001869006	0.084073089	0.009434267	5.47207E-06	18.45908546	3.28201E-05	0.000128983	0.00029279	0.002678135
2077 Dec	118.7519913	0.021908948	0.023798538	0.001573085	13.02613831	0.066037379	61.56227112	0.00074362	0.00074362	6.35593E-06	0.006561407	0.001869145	0.084079288	0.009434973	5.47247E-06	18.46045494	3.28225E-05	0.000128992	0.000292812	0.002678333
2078 Jan	118.7550278	0.021909546	0.023799147	0.001573126	13.02647591	0.066039063	61.56383514	0.000743639	0.000743639	6.35609E-06	0.006561576	0.001869193	0.084081426	0.009435225	5.47261E-06	18.46093559	3.28234E-05	0.000128996	0.00029282	0.002678402
2078 Feb	118.7576523	0.021910047	0.023799676	0.00157316	13.02676678	0.066040516	61.56518173	0.000743656	0.000743656	6.35623E-06	0.006561721	0.001869234	0.084083267	0.009435443	5.47273E-06	18.46134758	3.28241E-05	0.000128999	0.000292826	0.00267846
2078 Mar	118.7624359	0.021910939	0.023800634	0.001573224	13.02729321	0.066043161	61.56765747	0.000743686	0.000743686	6.35649E-06	0.006561985	0.001869309	0.084086642	0.00943583	5.47295E-06	18.46209526	3.28254E-05	0.000129004	0.000292838	0.002678568
2078 Apr	118.8738708	0.021931505	0.023822969	0.0015747	13.03951931	0.066105127	61.62542343	0.000744383	0.000744383	6.36246E-06	0.006568143	0.001871063	0.084165543	0.009444687	5.47809E-06	18.47942162	3.28562E-05	0.000129125	0.000293113	0.002681082
2078 May	118.9564743	0.021924281	0.023788404	0.001572687	13.03686714	0.06611634	61.67882919	0.00074323	0.00074323	6.35917E-06	0.006570384	0.001872989	0.08423841	0.009453015	5.47397E-06	18.49468422	3.28833E-05	0.000129302	0.00029346	0.002682413
2078 Jun	118.7829666	0.021746753	0.023553072	0.001558792	12.96027374	0.065921724	61.67301178	0.000735332	0.000735332	6.32053E-06	0.006550448	0.001872194	0.084232479	0.009406908	5.43505E-06	18.45480156	3.28566E-05	0.000129058	0.000293091	0.002677347
2078 Jul	119.7961121	0.02189631	0.023711998	0.001569743	13.05779171	0.066467896	62.22023392	0.000740185	0.000740185	6.36851E-06	0.006604158	0.001888537	0.084980667	0.00947697	5.47509E-06	18.6075325	3.31417E-05	0.000130112	0.000295554	0.002700036
2078 Aug	120.5086594	0.021960476	0.023774391	0.001574682	13.1112299	0.066833958	62.63011551	0.000741921	0.000741921	6.39524E-06	0.00663922	0.001900472	0.085541859	0.009514326	5.49577E-06	18.70952415	3.33468E-05	0.000130793	0.000297243	0.002715824
2078 Sep	120.9051514	0.021991381	0.023798872	0.00157686	13.13807011	0.067033961	62.86281204	0.000742547	0.000742547	6.40867E-06	0.006658289	0.001907195	0.085860834	0.009532844	5.50575E-06	18.76533508	3.34619E-05	0.000131166	0.000298173	0.002724557
2078 Oct	120.9585953	0.021966632	0.023759374	0.001574767	13.12883091	0.06704504	62.91513824	0.000741191	0.000741191	6.40443E-06	0.006658812	0.001908471	0.085933208	0.009525319	5.50066E-06	18.76835442	3.34822E-05	0.00013117	0.000298261	0.002725577
2078 Nov	120.9944763	0.021968434	0.023758341	0.001574788	13.13036728	0.06706208	62.93757248	0.000741146	0.000741146	6.40521E-06	0.006660444	0.00190911	0.085964039	0.009526363	5.50111E-06	18.77313805	3.3493E-05	0.000131202	0.000298342	0.002726355
2078 Dec	121.0008011	0.021969648	0.023759579	0.001574871	13.13105774	0.067065597	62.9408493	0.000741185	0.000741185	6.40555E-06	0.006660796	0.00190921	0.085968517	0.00952687	5.50139E-06	18.77412605	3.34948E-05	0.000131209	0.000298358	0.002726497
2079 Jan	121.0015106	0.021969814	0.023759719	0.00157488	13.1311388	0.067065977	62.94120789	0.00074119	0.00074119	6.40559E-06	0.006660836	0.001909221	0.085969001	0.009526937	5.50143E-06	18.77424049	3.3495E-05	0.00013121	0.00029836	0.002726513
2079 Feb	121.0018463	0.021969894	0.023759786	0.001574884	13.13117981	0.067066163	62.94137192	0.000741192	0.000741192	6.4056E-06	0.006660854	0.001909227	0.085969225	0.009526975	5.50144E-06	18.77430153	3.34951E-05	0.00013121	0.000298361	0.00272652
2079 Mar	121.0133133	0.021971986	0.02376204	0.001575033	13.13242626	0.067072503	62.94733429	0.000741262	0.000741262	6.40621E-06	0.006661485	0.001909408	0.085977368	0.009527883	5.50196E-06	18.77608299	3.34982E-05	0.000131223	0.000298389	0.002726778
2079 Apr	121.078125	0.021983759	0.023774765	0.001575877	13.13946152	0.06710843	62.98104095	0.000741659	0.000741659	6.40964E-06	0.006665053	0.00191043	0.086023405	0.009532991	5.50491E-06	18.78614235	3.35162E-05	0.000131293	0.000298549	0.002728239
2079 May	121.3470154	0.022031559	0.023825195	0.001579232	13.16810131	0.06725584	63.12138748	0.000743229	0.000743229	6.42352E-06	0.006679747	0.001914702	0.086215094	0.009554258	5.51677E-06	18.82798195	3.35908E-05	0.000131589	0.000299219	0.002734273
2079 Jun	120.978569	0.02180412	0.023547288	0.00156295	13.0674572	0.066959701	63.01741409	0.000734318	0.000734318	6.37566E-06	0.006651287	0.001910904	0.086079247	0.009487375	5.47002E-06	18.75458527	3.3518E-05	0.000131122	0.000298262	0.002724898
2079 Jul	121.5389404	0.021810705	0.023545958	0.001564057	13.09373188	0.067226544	63.36380386	0.000734042	0.000734042	6.38981E-06	0.006676935	0.00192075	0.086555213	0.009504971	5.47897E-06	18.82935333	3.36877E-05	0.00013162	0.000299547	0.002737102
2079 Aug	122.3836975	0.021923892	0.023663936	0.001572378	13.17068958	0.067676976	63.82728195	0.0007376	0.0007376	6.42777E-06	0.006720904	0.001934511	0.08718913	0.00956004	5.51017E-06	18.95520401	3.39265E-05	0.00013248	0.000301589	0.002755971
2079 Sep	122.5348663	0.021883976	0.023597563	0.001568993	13.15824223	0.067725495	63.95289993	0.000735299	0.000735299	6.42222E-06	0.006724542	0.001937735	0.087362625	0.009549459	5.50262E-06	18.96858215	3.39785E-05	0.000132544	0.000301876	0.002759019
2079 Oct	122.5163956	0.021849602	0.023541663	0.001565865	13.1409235	0.067696758	63.96788406	0.000733464	0.000733464	6.41398E-06	0.006721262	0.001937908	0.087384239	0.009536367	5.49407E-06	18.96057892	3.39791E-05	0.000132474	0.000301785	0.002758405
2079 Nov	122.4957657	0.021838818	0.023520404	0.001564664	13.13390923	0.067679793	63.9645462	0.000732796	0.000732796	6.41059E-06	0.006719558	0.001937743	0.087380186	0.009531335	5.4907E-06	18.95593643	3.39753E-05	0.00013244	0.000301719	0.002757871
2079 Dec	122.4615021	0.02183261	0.023506559	0.001563849	13.12846088	0.067659035	63.94913101	0.000732386	0.000732386	6.4079E-06	0.006717599	0.001937276	0.087359466	0.009527619	5.48823E-06	18.95025826	3.39666E-05	0.000132402	0.000301629	0.002757066
2080 Jan	122.4619064	0.021832766	0.023506636	0.001563854	13.12851524	0.067659244	63.9493103	0.000732389	0.000732389	6.40793E-06	0.006717622	0.001937283	0.087359712	0.009527676	5.48824E-06	18.95033646	3.39667E-05	0.000132403	0.00030163	0.002757075
2080 Feb	122.4639511	0.021833172	0.023507033	0.00156388	13.12874222	0.067660347	63.95034409	0.000732401	0.000732401	6.40803E-06	0.006717734	0.001937315	0.08736112	0.009527867	5.48834E-06	18.95066452	3.39673E-05	0.000132405	0.000301635	0.00275712
2080 Mar	122.4657364	0.021833513	0.023507379	0.001563903	13.12893867	0.067661323	63.95126724	0.000732411	0.000732411	6.40812E-06	0.006717831	0.001937344	0.087362379	0.009528014	5.48842E-06	18.95095062	3.39678E-05	0.000132407	0.00030164	0.002757167
2080 Apr	122.5109787	0.021841591	0.023516065	0.00156448	13.13379097	0.067686304	63.97488022	0.000732682	0.000732682	6.41049E-06	0.006720312	0.001938059	0.087394632	0.009531541	5.49044E-06	18.95795441	3.39803E-05	0.000132456	0.000301752	0.002758178
2080 May	122.8013916	0.021892494	0.023570605	0.001568119	13.16457939	0.067846164	64.12705994	0.000734377	0.000734377	6.42551E-06	0.006736178	0.001942665	0.087602526	0.009553939	5.50327E-06	19.00281715	3.4061E-05	0.00013277	0.000302467	0.00276471
2080 Jun	122.839859	0.021798823	0.023458742	0.001562121	13.13227081	0.067819223	64.20088196	0.00073085	0.00073085	6.41174E-06	0.006734339	0.001944425	0.087708525	0.009531106	5.4882E-06	18.99704742	3.40915E-05	0.000132747	0.000302468	0.002765043
2080 Jul	123.3772659	0.02178956	0.023439186	0.00156219	13.15192699	0.068068512	64.54153442	0.000730007	0.000730007	6.42289E-06	0.00675822	0.001954051	0.088177174	0.009544006	5.49421E-06	19.06694221	3.42567E-05	0.000133209	0.000303685	0.00277668
2080 Aug	124.0565491	0.02184985	0.023497019	0.001566813	13.20244408	0.06841702	64.93284607	0.000731616	0.000731616	6.44817E-06	0.006791609	0.001965447	0.088713057	0.00957938	5.51372E-06	19.1640873	3.44524E-05	0.000133859	0.000305294	0.002791722

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2080 Sep	124.2703857	0.021827929	0.023457086	0.001565033	13.20101166	0.068505727	65.08415985	0.000730178	0.000730178	6.44796E-06	0.006799265	0.001969543	0.088921607	0.009577028	5.51117E-06	19.18869209	3.45197E-05	0.000134006	0.000305748	0.002796228
2080 Oct	124.2690735	0.021796115	0.023403974	0.001562093	13.18536091	0.068486251	65.10842896	0.000728425	0.000728425	6.44053E-06	0.006796882	0.001969991	0.088955887	0.009565107	5.5033E-06	19.18326569	3.45252E-05	0.000133954	0.000305698	0.002795999
2080 Nov	124.231163	0.021784019	0.023378162	0.001560617	13.17633915	0.068459734	65.09609222	0.000727633	0.000727633	6.43613E-06	0.006794309	0.001969569	0.088939674	0.009558782	5.49904E-06	19.17602158	3.45167E-05	0.000133904	0.000305589	0.002795068
2080 Dec	124.2340317	0.021784956	0.023378219	0.001560631	13.17656231	0.068461269	65.09766388	0.000727639	0.000727639	6.43623E-06	0.006794485	0.00196962	0.088941857	0.009558992	5.49912E-06	19.17647362	3.45175E-05	0.000133907	0.000305595	0.002795129
2081 Jan	124.2365417	0.021785457	0.023378694	0.001560662	13.17683601	0.06846264	65.09895325	0.000727654	0.000727654	6.43636E-06	0.006794624	0.00196966	0.08894363	0.009559203	5.49923E-06	19.17687225	3.45182E-05	0.00013391	0.000305602	0.002795185
2081 Feb	124.2379761	0.02178574	0.023378968	0.00156068	13.17699623	0.068463422	65.0996933	0.000727663	0.000727663	6.43644E-06	0.006794703	0.001969683	0.088944629	0.009559333	5.49929E-06	19.17710495	3.45186E-05	0.000133912	0.000305606	0.002795218
2081 Mar	124.2440186	0.021786816	0.023380108	0.001560756	13.17763996	0.068466738	65.10285187	0.000727698	0.000727698	6.43675E-06	0.006795032	0.001969779	0.088948935	0.009559808	5.49956E-06	19.17804337	3.45203E-05	0.000133919	0.000305621	0.002795353
2081 Apr	124.3147202	0.021799142	0.023393294	0.001561637	13.18510723	0.06850563	65.13993835	0.000728108	0.000728108	6.44039E-06	0.006798891	0.001970901	0.088999614	0.009565237	5.50267E-06	19.18895531	3.45399E-05	0.000133995	0.000305795	0.002796943
2081 May	124.5056458	0.021823464	0.023400534	0.001562253	13.19949913	0.068588912	65.24327087	0.000728304	0.000728304	6.4459E-06	0.006808102	0.001974311	0.089140609	0.009583366	5.50666E-06	19.22118187	3.45951E-05	0.000134275	0.000306377	0.002800882
2081 Jun	124.4797592	0.021714764	0.02325269	0.001553656	13.15571213	0.068504296	65.28957367	0.000723295	0.000723295	6.42362E-06	0.006799305	0.001975282	0.089205265	0.009558447	5.48346E-06	19.20804214	3.46031E-05	0.000134209	0.000306357	0.002799472
2081 Jul	125.5805511	0.021882012	0.023429658	0.001565787	13.26307297	0.0690988	65.88163757	0.000728712	0.000728712	6.47634E-06	0.006857929	0.001992997	0.090014718	0.009635826	5.52759E-06	19.37459946	3.49126E-05	0.000135362	0.00030904	0.002824126
2081 Aug	126.6283112	0.022038702	0.02359446	0.001577124	13.36419296	0.069663599	66.44717407	0.000733735	0.000733735	6.52596E-06	0.006913432	0.002009888	0.090787895	0.009708538	5.569E-06	19.5327282	3.5207E-05	0.000136454	0.000311591	0.002847582
2081 Sep	126.9826126	0.022054402	0.023600839	0.001578199	13.38341522	0.069836363	66.6629715	0.000733763	0.000733763	6.53573E-06	0.006929654	0.002016027	0.091083899	0.009721285	5.57555E-06	19.58087158	3.53116E-05	0.000136769	0.000312408	0.00285533
2081 Oct	127.0934067	0.022050109	0.023586938	0.001577652	13.38471699	0.069884606	66.73812103	0.000733241	0.000733241	6.53656E-06	0.00693403	0.002018084	0.091187179	0.009721626	5.57522E-06	19.59429359	3.53461E-05	0.000136851	0.000312649	0.002857696
2081 Nov	127.0307007	0.022024222	0.02354938	0.001575444	13.37054062	0.06984105	66.71734619	0.000732027	0.000732027	6.52974E-06	0.006929502	0.002017319	0.091159366	0.00971107	5.56866E-06	19.58208656	3.53315E-05	0.000136759	0.000312472	0.002856188
2081 Dec	127.0310593	0.022024263	0.023547987	0.001575373	13.37022209	0.069840886	66.71803284	0.000731988	0.000731988	6.52958E-06	0.006929505	0.00201734	0.091160379	0.009710883	5.56848E-06	19.58206558	3.53318E-05	0.000136759	0.000312472	0.002856189
2082 Jan	127.0320129	0.022024497	0.023548162	0.001575384	13.37033081	0.069841392	66.71851349	0.000731994	0.000731994	6.52963E-06	0.006929559	0.002017355	0.09116102	0.009710978	5.56853E-06	19.58222389	3.53321E-05	0.00013676	0.000312474	0.00285621
2082 Feb	127.0351563	0.022025082	0.023548752	0.001575423	13.37067032	0.069843113	66.72014618	0.000732012	0.000732012	6.52979E-06	0.00692973	0.002017405	0.091163248	0.009711241	5.56866E-06	19.58272171	3.53329E-05	0.000136764	0.000312482	0.002856281
2082 Mar	127.0457687	0.022026941	0.023550719	0.001575555	13.37179089	0.069848925	66.72570038	0.000732073	0.000732073	6.53033E-06	0.006930308	0.002017574	0.09117084	0.009712064	5.56913E-06	19.58436394	3.53359E-05	0.000136775	0.000312509	0.002856519
2082 Apr	127.1000824	0.022036372	0.02356079	0.001576228	13.37751007	0.069878787	66.75421906	0.000732386	0.000732386	6.53313E-06	0.006933271	0.002018437	0.091209814	0.009716224	5.57151E-06	19.59274101	3.5351E-05	0.000136834	0.000312642	0.00285774
2082 May	127.3649521	0.022081824	0.023609323	0.00157948	13.40521336	0.070024155	66.89361572	0.000733893	0.000733893	6.54666E-06	0.006947686	0.002022648	0.091400266	0.009736339	5.58303E-06	19.63351059	3.54247E-05	0.000137118	0.000313293	0.002863693
2082 Jun	126.9951172	0.021877315	0.023375593	0.001565931	13.31569195	0.069754481	66.77386475	0.00072658	0.00072658	6.5059E-06	0.006922221	0.002018373	0.091244079	0.009672007	5.54368E-06	19.56007576	3.53499E-05	0.000136631	0.000312246	0.002854645
2082 Jul	127.321022	0.021809937	0.023291761	0.001562029	13.30535221	0.069876879	67.0144043	0.000723748	0.000723748	6.50295E-06	0.006933961	0.00202488	0.091577359	0.009663275	5.53697E-06	19.5948961	3.54614E-05	0.000136858	0.000312922	0.002861403
2082 Aug	128.1843262	0.021919172	0.023403099	0.001570011	13.38123703	0.070333406	67.49245453	0.000727069	0.000727069	6.54041E-06	0.006978441	0.002039019	0.092231475	0.009717414	5.56745E-06	19.72255325	3.57064E-05	0.000137731	0.000315001	0.00288064
2082 Sep	128.5711517	0.021948557	0.023424771	0.00157201	13.40673447	0.070527494	67.7206192	0.000727601	0.000727601	6.55318E-06	0.006996963	0.002045594	0.092544168	0.009734934	5.57684E-06	19.77674103	3.58192E-05	0.000138092	0.000315907	0.002889154
2082 Oct	128.2800293	0.02184237	0.023282578	0.001563501	13.3499155	0.070335746	67.61027527	0.00072298	0.00072298	6.52583E-06	0.006977014	0.002041741	0.09239509	0.00969238	5.55091E-06	19.72281647	3.57478E-05	0.000137687	0.000315111	0.002882284
2082 Nov	128.3250885	0.021848314	0.02328697	0.001563844	13.35353661	0.070359208	67.63570404	0.000723113	0.000723113	6.52761E-06	0.006979328	0.002042493	0.092429936	0.009695004	5.55232E-06	19.72941017	3.57607E-05	0.000137733	0.000315219	0.002883282
2082 Dec	128.3356781	0.021850189	0.023288889	0.001563973	13.35464478	0.070365027	67.64128113	0.000723174	0.000723174	6.52815E-06	0.006979908	0.002042662	0.092437558	0.009695814	5.55278E-06	19.73104286	3.57637E-05	0.000137744	0.000315245	0.00288352
2083 Jan	128.3383026	0.021850673	0.023289366	0.001564005	13.35492229	0.070366465	67.64264679	0.000723189	0.000723189	6.52829E-06	0.006980051	0.002042704	0.092439421	0.009696024	5.55289E-06	19.73145294	3.57644E-05	0.000137747	0.000315251	0.002883578
2083 Feb	128.3450775	0.021851849	0.023290597	0.001564087	13.35563183	0.07037016	67.64619446	0.000723227	0.000723227	6.52863E-06	0.006980419	0.002042812	0.092444278	0.009696548	5.55318E-06	19.73250198	3.57663E-05	0.000137754	0.000315268	0.00288373
2083 Mar	128.3600464	0.02185441	0.023293315	0.00156427	13.35719204	0.070378363	67.65409088	0.000723311	0.000723311	6.52939E-06	0.006981234	0.00204305	0.092455052	0.009697686	5.55383E-06	19.73480797	3.57705E-05	0.000137771	0.000315305	0.002884066
2083 Apr	128.4370728	0.021867529	0.023307294	0.001565208	13.36520863	0.070420593	67.69467926	0.000723745	0.000723745	6.53331E-06	0.006985423	0.002044276	0.092510529	0.009703508	5.55716E-06	19.7466526	3.57919E-05	0.000137853	0.000315494	0.002885797
2083 May	128.6757813	0.021904912	0.023332879	0.001566991	13.38692379	0.070536278	67.82068634	0.000724533	0.000724533	6.54272E-06	0.00699771	0.002048335	0.092682526	0.00972536	5.56474E-06	19.78602028	3.58596E-05	0.000138173	0.000316172	0.002890899
2083 Jun	128.2757568	0.021708962	0.023076775	0.001551464	13.29393005	0.070222452	67.6812439	0.000716113	0.000716113	6.49557E-06	0.006966913	0.002043812	0.092493907	0.009670342	5.51928E-06	19.71538925	3.5768E-05	0.000137747	0.000315301	0.002880738
2083 Jul	129.0567474	0.021768771	0.023133928	0.001556251	13.34882164	0.070617802	68.135849	0.000717646	0.000717646	6.52331E-06	0.007005025	0.00205699	0.093116753	0.009708586	5.5403E-06	19.8258934	3.59956E-05	0.000138488	0.000317144	0.002897988
2083 Aug	129.7166138	0.021815268	0.023176018	0.001559988	13.39376068	0.070952162	68.52231598	0.000718777	0.000718777	6.54607E-06	0.007036867	0.00206822	0.093646333	0.009740211	5.55733E-06	19.91902351	3.6187E-05	0.000139106	0.000318697	0.002912561
2083 Sep	129.9022217	0.021791935	0.023130788	0.00155785	13.38931942	0.071025111	68.65908813	0.000717163	0.000717163	6.54434E-06	0.007043079	0.002071856	0.093834698	0.009735518	5.55348E-06	19.93914604	3.62471E-05	0.000139218	0.000319081	0.002916444
2083 Oct	129.6704865	0.021712493	0.023014059	0.001550925	13.34361744	0.07087265	68.57148743	0.000713424	0.000713424	6.52229E-06	0.007027439	0.002068835	0.093716718	0.009701653	5.53255E-06	19.89635086	3.61906E-05	0.000138902	0.000318443	0.002910956
2083 Nov	129.6045532	0.021691047	0.022981247	0.001548982	13.33080769	0.07082957	68.54616547	0.000712381	0.000712381	6.51609E-06	0.007023057	0.002067974	0.093682647	0.009692232	5.52668E-06	19.88428688	3.61745E-05	0.000138813	0.000318262	0.002909394
2083 Dec	129.6113586	0.021692254	0.022982411	0.001549062	13.33150387	0.070833288	68.54976654	0.000712417	0.000712417	6.51643E-06	0.007023429	0.002068084	0.093687572	0.009692744	5.52697E-06	19.88533592	3.61764E-05	0.00013882	0.000318278	0.002909547
2084 Jan	129.612442	0.021692486	0.022982605	0.001549075	13.33162308	0.070833884	68.55032349	0.000712424	0.000712424	6.51648E-06	0.00702349	0.002068101	0.093688339	0.009692841	5.52701E-06	19.8855114	3.61767E-05	0.000138822	0.000318281	0.002909571
2084 Feb	129.6150513	0.02169295	0.022983072	0.001549106	13.33189678	0.0708353	68.55168915	0.000712438	0.000712438	6.51662E-06	0.007023632	0.002068143	0.093690202	0.009693053	5.52712E-06	19.88592148	3.61775E-05	0.000138825	0.000318288	0.002909629
2084 Mar	129.6304779	0.021695545	0.022985809	0.00154929	13.3334856	0.070843711	68.55983734	0.000712523	0.000712523	6.51739E-06	0.007024467	0.002068389	0.093701333	0.009694214	5.52778E-06	19.88829041	3.61818E-05	0.000138841	0.000318326	0.002909975
2084 Apr	129.7481842	0.021715252	0.023006678	0.001550697	13.3455925	0.070908025	68.62207794	0.00071317	0.00071317	6.52331E-06	0.007030844	0.002070267	0.093786396	0.009703021	5.5328E-06	19.90635109	3.62146E-05	0.000138967	0.000318615	0.002912617
2084 May	130.000061	0.021749757	0.023023542	0.001551964	13.36608982	0.071023449	68.75748444	0.000713665	0.000713665	6.5317E-06	0.007043323	0.002074669	0.093971215	0.009726122	5.53921E-06	19.94819832	3.62868E-05	0.000139319	0.000319355	0.002917903
2084 Jun	129.5854645	0.021545099	0.022765525	0.00153633	13.27041721	0.070705779	68.61553192	0.000705113	0.000705113	6.48382E-06	0.007011314	0.002069835	0.093778975	0.00966549	5.49304E-06	19.87276077	3.61909E-05	0.000138826	0.000318394	0.002907527
2084 Jul	130.4702301	0.021640228	0.02286144	0.001543488	13.34235668	0.071165487	69.11463928	0.000707901	0.000707901	6.51963E-06	0.007056075	0.002084486	0.094462201	0.009716561	5.52153E-06	20.00153732	3.64451E-05	0.000139703	0.000320513	0.002927173
2084 Aug	131.2620392	0.021725381	0.022945518	0.001549791	13.40638447	0.071577087	69.56225586	0.000710326	0.000710326	6.55139E-06	0.007095871	0.002097611	0.095074892	0.009761879	5.54672E-06	20.11667061	3.66717E-05	0.000140483	0.000322406	0.002944752
2084 Sep	131.4560852	0.021705391	0.022911038	0.00154826	13.4053812	0.071657896	69.69945526	0.000709057	0.000709057	6.55136E-06	0.007102794	0.002101301	0.095263757	0.009759662	5.54457E-06	20.13888931	3.67328E-05	0.000140612	0.000322817	0.002948857
2084 Oct	131.3496399	0.021655891	0.022836171	0.001543904	13.37808895	0.071580455	69.66950226	0.000706633	0.000706633	6.53826E-06	0.007094654	0.002100098	0.095224045	0.00973915	5.5318E-06	20.11701393	3.67092E-05	0.000140444	0.000322503	0.002946261
2084 Nov	131.3191833	0.021643676	0.022815539	0.00154271	13.37063694	0.071558833	69.66022491	0.000705978	0.000705978	6.53467E-06	0.007092442	0.002099751	0.095211759	0.00973366	5.52831E-06	20.11095428	3.67024E-05	0.000140399	0.000322414	0.002945519
2084 Dec	131.3285217	0.021645295	0.022817159	0.00154282	13.37159348	0.071563929	69.6651535	0.000706029	0.000706029	6.53513E-06	0.007092951	0.002099901	0.095218517	0.009734362	5.52871E-06	20.11239052	3.6705E-05	0.000140409	0.000322437	0.002945728
2085 Jan	131.329071	0.021645432	0.022817258	0.001542826	13.37165546	0.071564227	69.66543579	0.000706032	0.000706032	6.53516E-06	0.007092982	0.002099909	0.095218897	0.009734417	5.52873E-06	20.11248207	3.67051E-05	0.00014041	0.000322439	0.00294574
2085 Feb	131.3318481	0.021645913	0.022817742	0.001542859	13.37194252	0.071565732	69.66689301	0.000706047	0.000706047	6.5353E-06	0.007093132	0.002099954	0.095220886	0.009734635	5.52885E-06	20.11291504	3.67059E-05	0.000140413	0.000322446	0.002945802
2085 Mar	131.3376617	0.021646881	0.022818753	0.001542927	13.37253666	0.071568884	69.66996765	0.000706078	0.000706078	6.53559E-06	0.007093445	0.002100047	0.095225088	0.009735074	5.52909E-06	20.11380959	3.67075E-05	0.000140419	0.00032246	0.002945932
2085 Apr	131.4009552	0.021657322	0.022829751	0.00154367	13.3789835	0.071603373	69.70354462	0.000706418	0.000706418	6.53874E-06	0.007096863	0.002101059	0.095270969	0.00973977	5.53176E-06	20.12350464	3.67252E-05	0.000140487	0.000322615	0.002947352
2085 May	131.6257629	0.021681987	0.02284001	0.001544548	13.39535999	0.071705751	69.82844543	0.00070668	0.00070668	6.54554E-06	0.007107658	0.002105008	0.09544155	0.00975778	5.53672E-06	20.15950012	3.67903E-05	0.00014078	0.000323254	0.002952085
2085 Jun	131.7722778	0.021634839	0.022764357	0.001540383	13.38181114	0.071733616	69.94637299	0.000704041	0.000704041	6.53796E-06	0.007110391	0.002108354	0.095603563	0.009754437	5.52726E-06	20.17661858	3.68419E-05	0.00014093	0.000323672	0.002954738
2085 Jul	132.7851105	0.021763386	0.022896279	0.001549815	13.47118759	0.072268754	70.5062561	0.000707986	0.000707986	6.5821E-06	0.007162729	0.002124938	0.096369512	0.009818613	5.56322E-06	20.32669449	3.71298E-05	0.000141959	0.000326119	0.002977308
2085 Aug	133.3057251	0.021770192	0.022892836	0.001550673	13.4951582	0.072517812	70.83062744	0.00070758	0.00070758	6.59462E-06	0.007185678	0.002134081	0.096814513	0.009833856	5.57087E-06	20.39575005	3.72845E-05	0.0001424	0.000327308	0.002988664
2085 Sep	133.2992401	0.021702984	0.02279672	0.001545325	13.46606064	0.072480671	70.87368011	0.00070437	0.00070437	6.58098E-06	0.007180714	0.002134808	0.096875452	0.009810961	5.55642E-06	20.38473129	3.72923E-05	0.000142292	0.0003272	0.002988169
2085 Oct	133.1756287	0.021649374	0.022718757	0.001540755	13.43686581	0.072393708	70.83501434	0.00070184	0.00070184	6.56697E-06	0.007171574	0.002133327	0.096823804	0.009788912	5.54287E-06	20.360075	3.7264E-05	0.000142103	0.000326843	0.00298519
2085 Nov	133.084137	0.021623101	0.022680864	0.001538476	13.42122936	0.072336532	70.79658508	0.000700636	0.000700636	6.55941E-06	0.007165771	0.002132061	0.096771806	0.00977734	5.53582E-06	20.34397316	3.72408E-05	0.000141986	0.000326598	0.002983056
2085 Dec	133.0884247	0.021623906	0.022681592	0.001538526	13.42167091	0.072338879	70.79885101	0.000700659	0.000700659	6.55963E-06	0.007166008	0.002132131	0.096774898	0.009777669	5.53601E-06	20.34463501	3.7242E-05	0.00014199	0.000326608	0.002983152
2086 Jan	133.0893097	0.021624101	0.022681743	0.001538537	13.42176533	0.072339356	70.79930115	0.000700664	0.000700664	6.55967E-06	0.007166056	0.002132145	0.096775509	0.00977775	5.53604E-06	20.34477997	3.72422E-05	0.000141991	0.00032661	0.002983171
2086 Feb	133.0904846	0.021624321	0.022681946	0.00153855	13.42189026	0.072339982	70.79990387	0.000700671	0.000700671	6.55973E-06	0.00716612	0.002132164	0.096776344	0.009777853	5.53609E-06	20.3449688	3.72426E-05	0.000141993	0.000326614	0.002983197
2086 Mar	133.098053	0.021625564	0.022683239	0.001538637	13.42265606	0.072344072	70.80391693	0.000700711	0.000700711	6.5601E-06	0.007166526	0.002132285	0.096781828	0.009778417	5.53641E-06	20.34612846	3.72447E-05	0.000142001	0.000326632	0.002983366
2086 Apr	133.1854706	0.021639781	0.02269814	0.001539648	13.43147564	0.072391599	70.85042572	0.000701171	0.000701171	6.56441E-06	0.007171234	0.002133686	0.096845396	0.009784846	5.54004E-06	20.35949898	3.72691E-05	0.000142094	0.000326847	0.002985326
2086 May	133.4816589	0.021686867	0.022742994	0.001542714	13.46035767	0.072547719	71.00802612	0.000702553	0.000702553	6.57814E-06	0.007186958	0.002138513	0.097060747	0.009807838	5.55149E-06	20.40563393	3.73524E-05	0.000142431	0.000327603	0.002991882
2086 Jun	133.0776825	0.021509714	0.022517717	0.001529064	13.37563515	0.072248682	70.85305786	0.000695279	0.000695279	6.53588E-06	0.007158294	0.00213364	0.096851774	0.009756831	5.5112E-06	20.33588791	3.72586E-05	0.000142013	0.000326691	0.002981827
2086 Jul	134.0558472	0.021593293	0.022598362	0.001535581	13.44732666	0.072746754	71.41689301	0.000697535	0.000697535	6.57202E-06	0.007206766	0.002150072	0.097624458	0.009807448	5.53902E-06	20.47558594	3.75434E-05	0.000142963	0.000329011	0.003003443
2086 Aug	134.8386841	0.021660075	0.022660675	0.001540656	13.50427532	0.073146231	71.86979675	0.000699238	0.000699238	6.60051E-06	0.007245023	0.002163241	0.098244756	0.009847354	5.56081E-06	20.587183	3.77695E-05	0.00014371	0.000330865	0.003020752
2086 Sep	134.9554291	0.021617768	0.022596184	0.001537326	13.49075794	0.073180154	71.97325134	0.000697036	0.000697036	6.59445E-06	0.00724712	0.002165854	0.098388225	0.009835958	5.5531E-06	20.5961132	3.78102E-05	0.000143745	0.000331068	0.003023054
2086 Oct	135.031662	0.021611316	0.0225782	0.001536494	13.48928261	0.073210739	72.02870178	0.000696409	0.000696409	6.59389E-06	0.007249837	0.002167345	0.098464653	0.009834397	5.55167E-06	20.60457039	3.78349E-05	0.000143794	0.000331225	0.003024651
2086 Nov	135.0865173	0.02161973	0.02258667	0.001537079	13.49456024	0.07324025	72.0582962	0.000696669	0.000696669	6.59647E-06	0.007252755	0.002168232	0.098505124	0.009838237	5.55383E-06	20.61287498	3.78504E-05	0.000143852	0.000331359	0.003025877
2086 Dec	135.0940094	0.021620983	0.022587921	0.001537165	13.49531269	0.073244318	72.06227875	0.000696708	0.000696708	6.59684E-06	0.00725316	0.002168352	0.098510571	0.009838789	5.55414E-06	20.61402321	3.78525E-05	0.00014386	0.000331378	0.003026044
2087 Jan	135.0954437	0.021621244	0.022588164	0.001537181	13.49546146	0.073245101	72.06303406	0.000696716	0.000696716	6.59691E-06	0.007253238	0.002168376	0.098511606	0.009838903	5.5542E-06	20.61424828	3.78529E-05	0.000143862	0.000331381	0.003026077
2087 Feb	135.1010132	0.021622151	0.022589097	0.001537244	13.49602032	0.073248103	72.06599426	0.000696745	0.000696745	6.59718E-06	0.007253537	0.002168465	0.098515652	0.009839319	5.55442E-06	20.61510086	3.78545E-05	0.000143868	0.000331395	0.003026201
2087 Mar	135.1203918	0.021625262	0.022592338	0.001537465	13.49795818	0.073258609	72.07632446	0.000696845	0.000696845	6.59812E-06	0.007254577	0.002168776	0.098529771	0.009840734	5.55522E-06	20.61806297	3.78599E-05	0.000143888	0.000331443	0.003026635
2087 Apr	135.1657715	0.021632528	0.022599924	0.001537981	13.50249195	0.073283203	72.1005249	0.000697079	0.000697079	6.60034E-06	0.007257013	0.002169505	0.098562859	0.009844042	5.55709E-06	20.62498856	3.78726E-05	0.000143937	0.000331554	0.003027651
2087 May	135.2984161	0.021643111	0.022601824	0.001538265	13.51076984	0.073342144	72.17671204	0.000697085	0.000697085	6.60375E-06	0.007263124	0.002171866	0.098666944	0.009853352	5.55936E-06	20.64558983	3.79115E-05	0.000144101	0.000331924	0.003030436
2087 Jun	135.2167206	0.021545764	0.022466538	0.001530249	13.46875	0.073233947	72.17971802	0.000692568	0.000692568	6.58191E-06	0.007252689	0.002171785	0.098672166	0.009831769	5.53728E-06	20.62753487	3.79016E-05	0.000144024	0.000331811	0.003027807
2087 Jul	136.0813446	0.021634914	0.022555072	0.001536964	13.53762436	0.073681697	72.66958618	0.000695134	0.000695134	6.61624E-06	0.00729619	0.002186164	0.09934283	0.009880874	5.56441E-06	20.75304413	3.81502E-05	0.000144877	0.000333879	0.003046989

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2087 Aug	136.9950409	0.021751324	0.022673115	0.001545417	13.61812782	0.074164279	73.17485046	0.000698662	0.000698662	6.65592E-06	0.007343332	0.002201137	0.10003408	0.009938822	5.5967E-06	20.88851738	3.84097E-05	0.000145807	0.000336088	0.003067341
2087 Sep	137.4795685	0.021799345	0.022713818	0.001548676	13.65424061	0.074412152	73.45367432	0.000699789	0.000699789	6.67384E-06	0.007367277	0.002209257	0.100415908	0.009964221	5.61051E-06	20.95796394	3.85497E-05	0.000146275	0.000337238	0.003078053
2087 Oct	137.5030212	0.02178148	0.02268368	0.001547055	13.64642334	0.07441283	73.48283386	0.000698772	0.000698772	6.6702E-06	0.007366959	0.002209927	0.100456409	0.009957887	5.60639E-06	20.95793343	3.856E-05	0.000146263	0.000337262	0.003078457
2087 Nov	137.4958038	0.021775039	0.022672171	0.001546409	13.64273357	0.074405499	73.48374176	0.000698401	0.000698401	6.66844E-06	0.007366164	0.002209903	0.100457892	0.009955095	5.60459E-06	20.95583916	3.85591E-05	0.000146245	0.000337235	0.003078258
2087 Dec	137.5028076	0.021776224	0.022673324	0.001546488	13.64343548	0.074409306	73.4874649	0.000698437	0.000698437	6.66878E-06	0.007366543	0.002210016	0.100462995	0.009955612	5.60488E-06	20.95691109	3.85611E-05	0.000146253	0.000337252	0.003078414
2088 Jan	137.5055847	0.021776704	0.022673786	0.001546519	13.64371681	0.074410804	73.48894501	0.000698451	0.000698451	6.66892E-06	0.007366694	0.002210061	0.100465015	0.009955826	5.60499E-06	20.95734406	3.85619E-05	0.000146256	0.000337259	0.003078476
2088 Feb	137.5073853	0.02177701	0.022674084	0.001546539	13.64389896	0.074411757	73.48988342	0.00069846	0.00069846	6.669E-06	0.00736679	0.00221009	0.100466289	0.00995597	5.60507E-06	20.95762253	3.85623E-05	0.000146258	0.000337263	0.003078516
2088 Mar	137.5279388	0.021780277	0.022677474	0.00154677	13.64594078	0.074422874	73.50086212	0.000698565	0.000698565	6.67E-06	0.00736789	0.00221042	0.100481302	0.009957464	5.6059E-06	20.96076202	3.85681E-05	0.00014628	0.000337314	0.003078976
2088 Apr	137.7021942	0.021807829	0.022706142	0.001548726	13.66321182	0.074517138	73.59401703	0.000699448	0.000699448	6.67844E-06	0.007377221	0.002213221	0.100608654	0.009970072	5.613E-06	20.98731422	3.8617E-05	0.000146465	0.000337741	0.003082877
2088 May	138.0908203	0.021867804	0.022767784	0.00155295	13.70110893	0.07472606	73.80266571	0.000701335	0.000701335	6.69691E-06	0.007397885	0.002219492	0.100893848	0.009997936	5.62844E-06	21.04646111	3.87261E-05	0.000146879	0.000338697	0.003091561
2088 Jun	138.0767517	0.021780916	0.022663951	0.001547258	13.66907692	0.07467562	73.83892059	0.000698095	0.000698095	6.68284E-06	0.007393987	0.002220273	0.100947931	0.009976543	5.61366E-06	21.03522682	3.87395E-05	0.000146829	0.000338602	0.00309075
2088 Jul	139.0968018	0.021893848	0.02277679	0.00155568	13.75297832	0.075205877	74.41127014	0.000701457	0.000701457	6.72472E-06	0.007446265	0.00223717	0.101732112	0.010037004	5.64714E-06	21.18449211	3.90337E-05	0.000147862	0.000341051	0.003113376
2088 Aug	140.365387	0.022071632	0.022958826	0.001568426	13.8704052	0.075882263	75.10331726	0.000706971	0.000706971	6.78237E-06	0.00751273	0.002257793	0.102678664	0.010121995	5.69472E-06	21.3746891	3.93922E-05	0.000149177	0.000344136	0.003141684
2088 Sep	140.8211212	0.022113422	0.022995885	0.001571412	13.90383053	0.07611464	75.36660767	0.000707975	0.000707975	6.799E-06	0.007535066	0.002265437	0.10303919	0.010145326	5.70746E-06	21.43972206	3.9524E-05	0.000149614	0.000345215	0.003151756
2088 Oct	140.5326538	0.022027282	0.022880098	0.0015644	13.85508347	0.075934961	75.24525452	0.000704249	0.000704249	6.7755E-06	0.007516591	0.002261395	0.102874666	0.01010866	5.68559E-06	21.38872719	3.94505E-05	0.000149236	0.000344441	0.003145054
2088 Nov	140.5124207	0.022018207	0.022863798	0.001563467	13.84940529	0.075919844	75.24026489	0.000703732	0.000703732	6.77277E-06	0.007515035	0.002261187	0.102868184	0.010104442	5.68291E-06	21.38445091	3.94462E-05	0.000149203	0.000344379	0.003144553
2088 Dec	140.5226746	0.022019891	0.022865465	0.001563582	13.85042191	0.075925395	75.24573517	0.000703784	0.000703784	6.77326E-06	0.007515588	0.002261352	0.102875672	0.01010519	5.68332E-06	21.38601875	3.94491E-05	0.000149214	0.000344404	0.003144782
2089 Jan	140.5246735	0.022020247	0.022865791	0.001563604	13.85062408	0.075926475	75.24678802	0.000703794	0.000703794	6.77336E-06	0.007515696	0.002261385	0.102877118	0.010105346	5.6834E-06	21.38632965	3.94497E-05	0.000149216	0.000344409	0.003144827
2089 Feb	140.5283661	0.022020848	0.022866394	0.001563645	13.8509922	0.07592845	75.24875641	0.000703812	0.000703812	6.77354E-06	0.007515893	0.002261444	0.102879792	0.010105625	5.68355E-06	21.38689995	3.94507E-05	0.00014922	0.000344419	0.003144909
2089 Mar	140.5539703	0.022024872	0.022870561	0.001563929	13.85351849	0.075942278	75.26245117	0.000703941	0.000703941	6.77477E-06	0.007517261	0.002261856	0.102898523	0.010107473	5.68459E-06	21.39079666	3.94579E-05	0.000149248	0.000344481	0.003145481
2089 Apr	140.6665344	0.022042515	0.022888875	0.001565182	13.86461353	0.076003097	75.32273102	0.000704504	0.000704504	6.7802E-06	0.007523282	0.002263668	0.102980927	0.010115572	5.68914E-06	21.40793228	3.94895E-05	0.000149367	0.000344757	0.003148001
2089 May	140.9171448	0.022066081	0.02290052	0.001566211	13.88209438	0.076120056	75.46501923	0.000704781	0.000704781	6.78786E-06	0.007535208	0.00226803	0.103175379	0.010132838	5.6947E-06	21.44645309	3.95623E-05	0.000149664	0.000345433	0.003153347
2089 Jun	141.0695801	0.022017848	0.02281839	0.00156164	13.86775589	0.076144584	75.58625031	0.000701937	0.000701937	6.77941E-06	0.00753797	0.002271579	0.103341848	0.01013145	5.68432E-06	21.46554184	3.96161E-05	0.000149848	0.000345904	0.003156021
2089 Jul	142.058075	0.0221272	0.02292761	0.001569761	13.94906044	0.076659508	76.14208984	0.000705141	0.000705141	6.81978E-06	0.007588107	0.002287949	0.104102656	0.010189722	5.71653E-06	21.61004257	3.98993E-05	0.000150833	0.000348278	0.003177977
2089 Aug	142.9731445	0.022233656	0.023033964	0.001577577	14.02610016	0.077138796	76.65380859	0.00070829	0.00070829	6.85791E-06	0.007634747	0.002303064	0.104802966	0.010245139	5.74716E-06	21.74452209	4.01603E-05	0.000151751	0.00035048	0.003198322
2089 Sep	143.3040924	0.022242486	0.02302908	0.001577975	14.04077148	0.077296115	76.86088562	0.000707945	0.000707945	6.86548E-06	0.007649416	0.002308886	0.105087027	0.01025437	5.75162E-06	21.78825951	4.02594E-05	0.000152031	0.000351233	0.003205527
2089 Oct	142.946167	0.022142408	0.022892786	0.001569698	13.98263454	0.077076308	76.70636749	0.000703585	0.000703585	6.83743E-06	0.007626953	0.00230381	0.10487745	0.010210766	5.72567E-06	21.72585678	4.01674E-05	0.000151571	0.000350278	0.003197238
2089 Nov	142.9689941	0.022143239	0.022889387	0.001569568	13.98291016	0.077086441	76.72167969	0.000703476	0.000703476	6.83758E-06	0.007627941	0.002304243	0.104898602	0.010210956	5.72558E-06	21.72871399	4.01746E-05	0.00015159	0.000350327	0.003197721
2089 Dec	142.9813232	0.022145219	0.022891356	0.001569704	13.98411942	0.077093095	76.72827911	0.000703537	0.000703537	6.83817E-06	0.007628602	0.002304442	0.104907617	0.010211845	5.72608E-06	21.73059273	4.01781E-05	0.000151603	0.000350357	0.003197997
2090 Jan	142.986618	0.022146082	0.022892209	0.001569762	13.98464489	0.077095963	76.73111725	0.000703563	0.000703563	6.83843E-06	0.007628887	0.002304527	0.104911491	0.010212237	5.72629E-06	21.73140717	4.01796E-05	0.000151609	0.00035037	0.003198115
2090 Feb	142.9929352	0.022147078	0.022893218	0.001569831	13.98526478	0.077099338	76.73447418	0.000703594	0.000703594	6.83873E-06	0.007629222	0.002304629	0.104916096	0.010212699	5.72654E-06	21.73237038	4.01813E-05	0.000151616	0.000350386	0.003198256
2090 Mar	143.0128174	0.02215017	0.022896405	0.00157005	13.98721313	0.07711006	76.74514771	0.000703692	0.000703692	6.83968E-06	0.007630284	0.00230495	0.104930684	0.010214127	5.72734E-06	21.73539734	4.01869E-05	0.000151637	0.000350435	0.0031987
2090 Apr	143.0821533	0.022160916	0.022907509	0.001570811	13.99399662	0.077147439	76.78234863	0.000704033	0.000704033	6.84299E-06	0.007633983	0.002306067	0.104981549	0.010219081	5.73012E-06	21.74593735	4.02064E-05	0.000151711	0.000350605	0.003200252
2090 May	143.3262177	0.022197215	0.022942903	0.001573263	14.0170536	0.077276379	76.91397858	0.000705113	0.000705113	6.8541E-06	0.007646831	0.002310047	0.105161488	0.010236759	5.73931E-06	21.7832737	4.02753E-05	0.000151977	0.000351215	0.003205669
2090 Jun	142.7922974	0.022008397	0.022708006	0.001558787	13.92296219	0.076911375	76.68434906	0.000697544	0.000697544	6.80708E-06	0.007611569	0.00230297	0.10484992	0.010178843	5.69537E-06	21.6948452	4.01432E-05	0.000151428	0.000349994	0.003192755
2090 Jul	143.7039032	0.022099171	0.022796962	0.001565634	13.99423599	0.077380821	77.2022934	0.000700126	0.000700126	6.84274E-06	0.007657501	0.00231817	0.105559506	0.010229833	5.72341E-06	21.82684135	4.0407E-05	0.000152333	0.000352173	0.003212942
2090 Aug	143.9961548	0.022059191	0.022739599	0.001563063	13.9910717	0.077502318	77.41147614	0.000698071	0.000698071	6.84213E-06	0.007667573	0.002323809	0.105847985	0.010225298	5.71956E-06	21.85976028	4.04985E-05	0.000152521	0.000352782	0.003219115
2090 Sep	143.8667603	0.021975933	0.022624366	0.001556409	13.95016003	0.077399798	77.38847351	0.000694279	0.000694279	6.82271E-06	0.007656162	0.002322543	0.10581857	0.010193507	5.70029E-06	21.82998276	4.04718E-05	0.00015228	0.000352369	0.003215885
2090 Oct	143.4148254	0.0218725	0.022477794	0.001547412	13.88490009	0.077132523	77.17950439	0.000689679	0.000689679	6.79105E-06	0.007629345	0.002315928	0.105534792	0.010145265	5.67153E-06	21.75436592	4.03529E-05	0.000151735	0.000351187	0.003205502
2090 Nov	143.2581787	0.021835111	0.022427907	0.001544333	13.86237717	0.077039838	77.10710907	0.000688098	0.000688098	6.78015E-06	0.007619975	0.002313622	0.105436362	0.010128478	5.66163E-06	21.72808647	4.03116E-05	0.000151544	0.000350778	0.00320191
2090 Dec	143.2679749	0.021836737	0.022429436	0.001544439	13.86333561	0.077045128	77.11235809	0.000688146	0.000688146	6.78061E-06	0.007620503	0.002313781	0.105443545	0.010129188	5.66203E-06	21.72958374	4.03143E-05	0.000151555	0.000350802	0.003202129
2091 Jan	143.2702179	0.021837134	0.02242979	0.001544463	13.86355972	0.077046335	77.11354828	0.000688157	0.000688157	6.78072E-06	0.007620624	0.002313817	0.105445169	0.010129363	5.66212E-06	21.72993279	4.0315E-05	0.000151557	0.000350807	0.003202179
2091 Feb	143.2716522	0.021837378	0.022430018	0.001544479	13.86370373	0.077047087	77.11428833	0.000688164	0.000688164	6.78079E-06	0.007620699	0.00231384	0.10544619	0.01012948	5.66217E-06	21.73015785	4.03154E-05	0.000151559	0.000350811	0.00320221
2091 Mar	143.3051453	0.021842498	0.022435265	0.001544839	13.86694813	0.077065088	77.13231659	0.000688325	0.000688325	6.78237E-06	0.00762248	0.002314381	0.105470829	0.010131856	5.66349E-06	21.73524284	4.03248E-05	0.000151595	0.000350893	0.003202959
2091 Apr	143.4377289	0.021862715	0.022456022	0.001546269	13.87977982	0.077136382	77.20366669	0.000688962	0.000688962	6.78865E-06	0.007629533	0.002316523	0.105568394	0.010141236	5.66873E-06	21.75535583	4.03621E-05	0.000151735	0.000351218	0.003205922
2091 May	143.7680359	0.021911398	0.022499394	0.001549297	13.91026115	0.077306785	77.38157654	0.000690283	0.000690283	6.80298E-06	0.007646758	0.002321978	0.105811551	0.010166376	5.68048E-06	21.80670357	4.04556E-05	0.000152114	0.00035207	0.003213182
2091 Jun	143.5778961	0.021813201	0.02236083	0.001540843	13.86296749	0.077142373	77.31539154	0.000685752	0.000685752	6.77797E-06	0.007631492	0.002320077	0.105721913	0.010143897	5.65626E-06	21.77566719	4.04135E-05	0.000151975	0.000351745	0.003208096
2091 Jul	144.8069916	0.021977669	0.022527318	0.001552653	13.97379398	0.077793188	77.98988342	0.000690791	0.000690791	6.83253E-06	0.007695647	0.00234016	0.106644861	0.010224493	5.70098E-06	21.9591713	4.07629E-05	0.000153248	0.000354731	0.003235472
2091 Aug	145.3329926	0.021991523	0.022530589	0.001553913	14.00030613	0.078047909	78.313591	0.000690633	0.000690633	6.84623E-06	0.007719293	0.002349345	0.107089087	0.010241865	5.70983E-06	22.02990341	4.09183E-05	0.000153706	0.000355937	0.00324696
2091 Sep	145.4910126	0.021969337	0.022492653	0.001552152	13.99683285	0.078111649	78.42938232	0.000689309	0.000689309	6.84498E-06	0.007724565	0.002352451	0.107249141	0.010238075	5.70678E-06	22.04720116	4.09684E-05	0.000153807	0.000356258	0.00325026
2091 Oct	145.2607269	0.021900726	0.022400139	0.001546555	13.95783901	0.077968515	78.33281708	0.000686331	0.000686331	6.82622E-06	0.007709812	0.00234922	0.107118227	0.010208513	5.68931E-06	22.00632668	4.09098E-05	0.000153501	0.000355636	0.003244916
2091 Nov	145.0515289	0.021856416	0.022338059	0.00154271	13.92932987	0.077846877	78.23334503	0.000684393	0.000684393	6.81237E-06	0.00769766	0.002346107	0.106983006	0.010187477	5.67686E-06	21.97189713	4.08541E-05	0.000153255	0.000355094	0.003240132
2091 Dec	145.0565338	0.021857362	0.022338254	0.001542735	13.92968559	0.077849463	78.23621368	0.000684402	0.000684402	6.81254E-06	0.007697931	0.002346195	0.106986962	0.010187765	5.67699E-06	21.97263908	4.08556E-05	0.00015326	0.000355106	0.003240241
2092 Jan	145.058609	0.021857735	0.022338575	0.001542757	13.92989254	0.077850565	78.23730469	0.000684412	0.000684412	6.81264E-06	0.007698041	0.002346229	0.106988452	0.010187929	5.67707E-06	21.97296333	4.08562E-05	0.000153263	0.000355111	0.003240287
2092 Feb	145.0635529	0.021858511	0.02233934	0.001542809	13.93037415	0.077853195	78.23994446	0.000684435	0.000684435	6.81287E-06	0.007698303	0.002346308	0.106992066	0.010188296	5.67726E-06	21.97372246	4.08576E-05	0.000153268	0.000355123	0.003240397
2092 Mar	145.1035004	0.021864548	0.022345494	0.001543234	13.93421364	0.077874631	78.26148987	0.000684624	0.000684624	6.81474E-06	0.007700422	0.002346955	0.107021518	0.010191111	5.67883E-06	21.97977829	4.08688E-05	0.00015331	0.000355221	0.003241289
2092 Apr	145.2147827	0.021881327	0.022362635	0.001544418	13.94490242	0.077934347	78.32150269	0.000685149	0.000685149	6.81997E-06	0.007706329	0.002348755	0.107103579	0.010198933	5.68318E-06	21.99663925	4.09001E-05	0.000153428	0.000355494	0.003243775
2092 May	145.4953766	0.021921486	0.022395145	0.001546718	13.96995354	0.078075618	78.47296143	0.000686133	0.000686133	6.83148E-06	0.007720775	0.002353449	0.107310556	0.010220958	5.69248E-06	22.04076004	4.09798E-05	0.000153763	0.000356237	0.003249884
2092 Jun	144.4413147	0.021627804	0.02204366	0.001524524	13.81561375	0.07741119	77.97775269	0.000674812	0.000674812	6.75438E-06	0.007655631	0.002338309	0.106635474	0.010121565	5.62225E-06	21.87175369	4.07043E-05	0.000152659	0.000353776	0.003225115
2092 Jul	144.9410706	0.02162276	0.022031117	0.001524858	13.83527279	0.077644721	78.29347992	0.000674146	0.000674146	6.76527E-06	0.007677709	0.002347171	0.107069232	0.010133763	5.62838E-06	21.93676567	4.08568E-05	0.000153082	0.000354908	0.003235972
2092 Aug	145.960495	0.021744832	0.022151232	0.001533628	13.92167854	0.078178115	78.86252594	0.000677687	0.000677687	6.80785E-06	0.007729724	0.002363974	0.107847989	0.010195965	5.66263E-06	22.08686829	4.11476E-05	0.000154111	0.000357367	0.003258618
2092 Sep	146.2538452	0.021751102	0.022147687	0.001534027	13.93489265	0.078318052	79.04571533	0.000677411	0.000677411	6.8147E-06	0.00774269	0.002369132	0.108099423	0.010204293	5.66672E-06	22.12571526	4.1235E-05	0.000154361	0.000358034	0.003265003
2092 Oct	146.2506104	0.021728586	0.022113271	0.001532111	13.92437935	0.07830444	79.06088257	0.000676255	0.000676255	6.80977E-06	0.007740908	0.002369368	0.108120769	0.010195803	5.6615E-06	22.12148666	4.12378E-05	0.000154318	0.000357991	0.003264816
2092 Nov	146.2598419	0.021725683	0.022107251	0.001531799	13.92307091	0.078306884	79.06945038	0.000676053	0.000676053	6.80917E-06	0.007741073	0.002369581	0.108132631	0.010194711	5.66076E-06	22.12210846	4.12412E-05	0.00015432	0.000358006	0.003264996
2092 Dec	146.272583	0.021727648	0.022109175	0.001531933	13.92429066	0.078313716	79.07632446	0.000676112	0.000676112	6.80976E-06	0.007741753	0.002369788	0.108142041	0.01019561	5.66126E-06	22.12404251	4.12448E-05	0.000154333	0.000358037	0.003265281
2093 Jan	146.2740631	0.021727907	0.022109402	0.001531949	13.92443657	0.078314498	79.07711029	0.000676119	0.000676119	6.80983E-06	0.007741832	0.002369812	0.108143114	0.010195725	5.66132E-06	22.12427139	4.12452E-05	0.000154335	0.00035804	0.003265313
2093 Feb	146.2787476	0.021728626	0.022110114	0.001531998	13.92488861	0.078317001	79.07963562	0.000676141	0.000676141	6.81005E-06	0.00774208	0.002369889	0.108146571	0.010196064	5.6615E-06	22.12499046	4.12465E-05	0.00015434	0.000358052	0.003265418
2093 Mar	146.3381805	0.021737464	0.022119099	0.00153262	13.93054676	0.078348815	79.11175537	0.000676416	0.000676416	6.81282E-06	0.007745225	0.002370851	0.108190484	0.010200214	5.6638E-06	22.1339817	4.12633E-05	0.000154403	0.000358198	0.003266745
2093 Apr	146.4584351	0.021755332	0.022137275	0.001533879	13.94199562	0.078413196	79.17675781	0.000676972	0.000676972	6.81842E-06	0.007751589	0.0023728	0.108279392	0.010208598	5.66845E-06	22.15217209	4.12972E-05	0.00015453	0.000358492	0.003269429
2093 May	146.7702484	0.021799078	0.022174606	0.001536525	13.96981621	0.078572012	79.34592438	0.000678097	0.000678097	6.83141E-06	0.007767666	0.002377988	0.108510613	0.010232023	5.67898E-06	22.20056915	4.13857E-05	0.000154889	0.000359301	0.003276255
2093 Jun	146.36763	0.021650434	0.021985937	0.001524849	13.8960495	0.078288019	79.17626953	0.000671943	0.000671943	6.79392E-06	0.007740079	0.002372771	0.108279765	0.010188355	5.64374E-06	22.13424492	4.12862E-05	0.000154485	0.000358418	0.003266403
2093 Jul	147.3684235	0.021758996	0.022092506	0.001532846	13.97724438	0.078806981	79.7403183	0.000675062	0.000675062	6.83424E-06	0.007790782	0.002389382	0.109052062	0.010246821	5.67578E-06	22.28035164	4.15739E-05	0.000155487	0.000360823	0.003288597
2093 Aug	148.2584229	0.021854522	0.022185145	0.001539822	14.04885292	0.079268239	80.24349213	0.000677739	0.000677739	6.86969E-06	0.007835516	0.002404164	0.109740801	0.01029809	5.70384E-06	22.40998459	4.18289E-05	0.000156369	0.000362959	0.003308333
2093 Sep	148.529007	0.021852514	0.022169076	0.001539473	14.05711555	0.079392582	80.41910553	0.000677043	0.000677043	6.87416E-06	0.007846865	0.002409024	0.109981887	0.010302498	5.70565E-06	22.44430161	4.19112E-05	0.000156582	0.000363561	0.003314185
2093 Oct	147.9770966	0.021725805	0.022004278	0.001529227	13.98073769	0.079070218	80.15969849	0.000671819	0.000671819	6.83723E-06	0.007814235	0.002400791	0.109628893	0.010245116	5.67234E-06	22.35240555	4.17645E-05	0.000155914	0.000362123	0.003301583
2093 Nov	147.832077	0.021698492	0.021961173	0.00152658	13.96121883	0.0789866	80.09011841	0.0006705	0.0006705	6.82772E-06	0.007805995	0.00239864	0.109534457	0.010230871	5.66381E-06	22.32874107	4.17259E-05	0.000155746	0.000361746	0.003298265
2093 Dec	147.8455658	0.021700606	0.021963162	0.001526719	13.96250153	0.078993835	80.09741211	0.000670562	0.000670562	6.82835E-06	0.007806715	0.002398859	0.109544434	0.010231821	5.66433E-06	22.33079147	4.17297E-05	0.000155761	0.000361779	0.003298566
2094 Jan	147.8491821	0.021701191	0.021963703	0.001526757	13.96284962	0.078995757	80.09934998	0.000670579	0.000670579	6.82852E-06	0.007806907	0.002398918	0.109547079	0.010232088	5.66447E-06	22.33134842	4.17307E-05	0.000155765	0.000361788	0.003298647
2094 Feb	147.8521271	0.021701649	0.021964142	0.001526787	13.96313286	0.078997307	80.10092163	0.000670592	0.000670592	6.82865E-06	0.007807062	0.002398966	0.109549224	0.010232307	5.66458E-06	22.33179855	4.17315E-05	0.000155768	0.000361795	0.003298711
2094 Mar	147.8829346	0.021706188	0.021968722	0.001527105	13.96604633	0.079013765	80.11760712	0.000670732	0.000670732	6.83007E-06	0.007808689	0.002399466	0.109572046	0.010234449	5.66576E-06	22.33645821	4.17402E-05	0.0001558	0.000361871	0.003299399
2094 Apr	147.9659424	0.021718381	0.021981053	0.001527962	13.97388744	0.079058111	80.16256714	0.000671108	0.000671108	6.83391E-06	0.007813072	0.002400813	0.109633535	0.010240199	5.66894E-06	22.34899902	4.17637E-05	0.000155888	0.000362074	0.003301251
2094 May	148.0541992	0.021719672	0.021970093	0.0015274	13.97655869	0.079088829	80.21592712	0.000670704	0.000670704	6.8343E-06	0.007816528	0.002402531	0.109706342	0.010246769	5.66852E-06	22.36326218	4.17905E-05	0.000156018	0.000362355	0.003302976
2094 Jun	148.322113	0.021698996	0.021920441	0.0015249	13.97749043	0.079182267	80.39334106	0.000668898	0.000668898	6.8334E-06	0.00782614	0.002407804	0.10994947	0.010255846	5.6649E-06	22.40077782	4.18753E-05	0.000156327	0.000363105	0.003308313

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2094 Jul	149.6938477	0.021870859	0.02209142	0.001537235	14.09669209	0.079902731	81.15354156	0.000674005	0.000674005	6.89211E-06	0.007896849	0.002430349	0.110989727	0.010342434	5.7125E-06	22.60407829	4.22663E-05	0.000157731	0.00036643	0.003338811
2094 Aug	151.0487671	0.022052024	0.022272289	0.001550084	14.21830845	0.080619194	81.89814758	0.000679453	0.000679453	6.95179E-06	0.007967251	0.002452514	0.112008393	0.010431105	5.76131E-06	22.80638123	4.26507E-05	0.000159132	0.000369726	0.003368974
2094 Sep	151.3166351	0.022051519	0.022255827	0.001549717	14.22644997	0.080742374	82.07194519	0.000678758	0.000678758	6.95617E-06	0.007978557	0.002457333	0.112247035	0.010435523	5.76307E-06	22.84040451	4.27323E-05	0.000159344	0.000370321	0.003374764
2094 Oct	151.0571747	0.021976592	0.022156185	0.001543668	14.18376541	0.080583051	81.96138763	0.000675549	0.000675549	6.93567E-06	0.00796211	0.002453646	0.112097025	0.010402893	5.74405E-06	22.79461098	4.26657E-05	0.000159001	0.00036962	0.003368769
2094 Nov	150.7227631	0.021911414	0.022067046	0.001538082	14.14108276	0.080392383	81.79789734	0.000672781	0.000672781	6.91494E-06	0.007943106	0.002448577	0.111874536	0.010371281	5.72563E-06	22.74043465	4.25756E-05	0.000158614	0.000368759	0.003361166
2094 Dec	150.7048798	0.021907797	0.022061903	0.001537764	14.13869572	0.080382079	81.78931427	0.000672621	0.000672621	6.91378E-06	0.007942078	0.002448309	0.111862861	0.010369513	5.72459E-06	22.73750496	4.25709E-05	0.000158593	0.000368713	0.003360758
2095 Jan	150.7096863	0.021908563	0.022062609	0.001537813	14.13915539	0.080384642	81.79190826	0.000672643	0.000672643	6.914E-06	0.007942334	0.002448387	0.111866407	0.010369865	5.72478E-06	22.7382431	4.25722E-05	0.000158599	0.000368725	0.003360865
2095 Feb	150.7135315	0.021909159	0.022063181	0.001537852	14.13952541	0.080386676	81.79397583	0.00067266	0.00067266	6.91418E-06	0.007942535	0.00244845	0.111869238	0.01037015	5.72492E-06	22.73883629	4.25733E-05	0.000158603	0.000368734	0.00336095
2095 Mar	150.7329407	0.021911997	0.022066023	0.00153805	14.14134979	0.08039701	81.80448914	0.000672747	0.000672747	6.91507E-06	0.007943558	0.002448765	0.111883618	0.010371497	5.72566E-06	22.74176979	4.25788E-05	0.000158623	0.000368782	0.003361383
2095 Apr	150.8398438	0.02192755	0.022081677	0.001539141	14.15138245	0.080454029	81.86251068	0.000673224	0.000673224	6.91997E-06	0.007949192	0.002450502	0.111962959	0.010378859	5.72972E-06	22.75790215	4.2609E-05	0.000158736	0.000369044	0.003363767
2095 May	150.9925995	0.021934658	0.022076104	0.001539004	14.15882874	0.080517396	81.95298767	0.000672963	0.000672963	6.92271E-06	0.007955797	0.002453302	0.112086564	0.010388861	5.73111E-06	22.78143692	4.26544E-05	0.000158929	0.00036948	0.003366915
2095 Jun	151.4814606	0.021968616	0.022089656	0.001540552	14.18927288	0.080744527	82.23783112	0.00067319	0.00067319	6.93649E-06	0.007978633	0.002461861	0.112476341	0.010417688	5.74065E-06	22.85404015	4.27983E-05	0.000159474	0.000370756	0.00337737
2095 Jul	152.9083099	0.022150336	0.022270089	0.001553526	14.31418514	0.081495136	83.02706909	0.000678591	0.000678591	6.99792E-06	0.008052278	0.002485294	0.113556214	0.010508629	5.79055E-06	23.06593895	4.32044E-05	0.000160937	0.000374218	0.003409102
2095 Aug	153.3195343	0.022140259	0.022250591	0.001553268	14.3277874	0.081686065	83.29238892	0.000677694	0.000677694	7.00543E-06	0.008069435	0.002492661	0.113920383	0.010516148	5.79404E-06	23.11836052	4.33283E-05	0.00016126	0.000375137	0.003418028
2095 Sep	153.6595306	0.022151271	0.02225155	0.001554026	14.34479141	0.081850596	83.50170135	0.000677565	0.000677565	7.01415E-06	0.008084767	0.002498605	0.114207849	0.010527302	5.79963E-06	23.16411591	4.34288E-05	0.000161559	0.000375915	0.003425439
2095 Oct	153.7651672	0.02215012	0.022243578	0.001553797	14.34752941	0.081898578	83.57107544	0.000677238	0.000677238	7.01566E-06	0.008089148	0.002500516	0.114303082	0.010528627	5.80008E-06	23.17733574	4.34612E-05	0.000161641	0.000376148	0.003427719
2095 Nov	153.6408539	0.022124613	0.022205215	0.001551444	14.33025551	0.081826277	83.51247406	0.000676049	0.000676049	7.00728E-06	0.008081952	0.00249868	0.114223517	0.01051584	5.79252E-06	23.15676117	4.34283E-05	0.000161493	0.000375822	0.003424873
2095 Dec	153.6357269	0.022123445	0.022202246	0.001551274	14.32919121	0.081822962	83.51058197	0.00067596	0.00067596	7.00676E-06	0.008081633	0.002498618	0.114221014	0.010515076	5.79202E-06	23.15581894	4.34271E-05	0.000161486	0.000375807	0.00342475
2096 Jan	153.6401367	0.022124154	0.022202889	0.001551319	14.32961273	0.081825301	83.51295471	0.00067598	0.00067598	7.00696E-06	0.008081867	0.00249869	0.114224263	0.010515401	5.79219E-06	23.15649986	4.34283E-05	0.000161491	0.000375818	0.003424848
2096 Feb	153.6511383	0.022125781	0.022204483	0.00155143	14.33064747	0.081831135	83.51890564	0.000676029	0.000676029	7.00746E-06	0.008082446	0.002498869	0.114232406	0.010516177	5.79261E-06	23.1581707	4.34314E-05	0.000161503	0.000375845	0.003425093
2096 Mar	153.6725616	0.022128884	0.022207582	0.001551646	14.33265018	0.081842534	83.53054047	0.000676123	0.000676123	7.00844E-06	0.008083572	0.002499218	0.114248298	0.010517656	5.79341E-06	23.16140366	4.34374E-05	0.000161526	0.000375898	0.00342557
2096 Apr	153.7749023	0.022143634	0.022222375	0.001552679	14.34219837	0.081897035	83.58615875	0.000676573	0.000676573	7.01311E-06	0.008088955	0.002500882	0.114324376	0.010524667	5.79727E-06	23.17683411	4.34664E-05	0.000161633	0.000376148	0.003427851
2096 May	154.0018616	0.022176508	0.022249164	0.001554572	14.36259365	0.082011685	83.70851898	0.000677387	0.000677387	7.0225E-06	0.008100679	0.002504674	0.114491597	0.010542502	5.80488E-06	23.2125206	4.35308E-05	0.000161904	0.000376748	0.003432798
2096 Jun	153.0603638	0.021920692	0.02195585	0.001536117	14.22938442	0.081432909	83.26008606	0.000668088	0.000668088	6.95735E-06	0.008044427	0.00249094	0.113881774	0.010453387	5.74598E-06	23.06067085	4.32858E-05	0.000160902	0.00037448	0.003410873
2096 Jul	154.0348053	0.022000525	0.022030294	0.001542263	14.29912853	0.081926219	83.82439423	0.000670127	0.000670127	6.99245E-06	0.008092364	0.00250736	0.114655077	0.010502766	5.77274E-06	23.19941902	4.357E-05	0.000161845	0.000376793	0.003432372
2096 Aug	155.2184906	0.022149818	0.022176571	0.001552828	14.40182972	0.08254765	84.48066711	0.000674488	0.000674488	7.04291E-06	0.008153251	0.002526824	0.115553156	0.010577463	5.8136E-06	23.37492561	4.3907E-05	0.000163058	0.000379662	0.003458675
2096 Sep	155.3215637	0.022115877	0.022122907	0.001550058	14.39054585	0.082578644	84.57167816	0.000672619	0.000672619	7.0379E-06	0.008155212	0.002529077	0.115678884	0.010567226	5.80714E-06	23.38258171	4.39433E-05	0.00016308	0.000379838	0.003460746
2096 Oct	154.8905334	0.02202576	0.021997539	0.001542285	14.33237553	0.082329631	84.36632538	0.000668701	0.000668701	7.00972E-06	0.008130241	0.002522628	0.115399666	0.010523752	5.78184E-06	23.31150436	4.38283E-05	0.000162567	0.000378714	0.003450917
2096 Nov	154.8850861	0.022024324	0.021988133	0.001541781	14.32968044	0.082324609	84.36660004	0.000668426	0.000668426	7.0084E-06	0.008129818	0.002522624	0.115400389	0.010521904	5.7805E-06	23.31010246	4.38277E-05	0.000162557	0.000378692	0.00345076
2096 Dec	154.8905487	0.022025187	0.021988908	0.001541835	14.33019352	0.08232753	84.36955261	0.000668451	0.000668451	7.00865E-06	0.008130111	0.002522714	0.115404449	0.010522286	5.78071E-06	23.31093407	4.38292E-05	0.000162563	0.000378705	0.003450882
2097 Jan	154.8918457	0.022025418	0.021989094	0.001541848	14.3303194	0.082328215	84.37024689	0.000668457	0.000668457	7.00871E-06	0.00813018	0.002522735	0.115405388	0.010522388	5.78076E-06	23.31113625	4.38296E-05	0.000162565	0.000378709	0.003450911
2097 Feb	154.8926544	0.022025555	0.021989211	0.001541856	14.33039856	0.082328625	84.3706665	0.00066846	0.00066846	7.00875E-06	0.008130222	0.002522748	0.115405954	0.010522457	5.78078E-06	23.31126404	4.38298E-05	0.000162566	0.000378711	0.003450928
2097 Mar	154.9119873	0.022028318	0.021991959	0.001542049	14.33219051	0.082338899	84.38119507	0.000668544	0.000668544	7.00962E-06	0.008131236	0.002523063	0.115420356	0.010523778	5.78151E-06	23.31418037	4.38353E-05	0.000162586	0.000378758	0.003451359
2097 Apr	155.0451813	0.022047266	0.02201087	0.001543375	14.34451485	0.082409695	84.45374298	0.000669118	0.000669118	7.01565E-06	0.008138227	0.002525232	0.115519591	0.010532832	5.78648E-06	23.33422852	4.3873E-05	0.000162726	0.000379084	0.003454327
2097 May	155.4407806	0.022099875	0.022057613	0.001546726	14.37909508	0.082612827	84.67064667	0.000670515	0.000670515	7.03209E-06	0.008158541	0.002531796	0.115816183	0.010560568	5.79975E-06	23.39451981	4.39856E-05	0.000163163	0.000380086	0.003463028
2097 Jun	155.4812164	0.022049904	0.021981081	0.001542299	14.36042976	0.082588471	84.72193909	0.000667933	0.000667933	7.0218E-06	0.008156654	0.002533316	0.115887001	0.010554809	5.78858E-06	23.39798164	4.4006E-05	0.000163235	0.000380272	0.003463334
2097 Jul	156.7833099	0.022209758	0.022138115	0.00155372	14.47213745	0.083270311	85.44551849	0.00067262	0.00067262	7.07685E-06	0.008223602	0.002554774	0.116877332	0.010636245	5.83304E-06	23.59066772	4.43778E-05	0.000164567	0.000383427	0.003492256
2097 Aug	157.6917267	0.022305723	0.022229595	0.001560666	14.54440117	0.083739735	85.96024323	0.000675253	0.000675253	7.1126E-06	0.008269143	0.002569892	0.117581964	0.010688144	5.86123E-06	23.722826	4.46385E-05	0.000165468	0.000385607	0.003512382
2097 Sep	158.1854706	0.022349196	0.022266749	0.001563733	14.57979012	0.083990164	86.24664307	0.000676244	0.000676244	7.1302E-06	0.008293218	0.002578204	0.117974199	0.01071299	5.8746E-06	23.79311943	4.47815E-05	0.000165941	0.000386778	0.003523277
2097 Oct	158.1246796	0.022320243	0.022224238	0.00156126	14.56407261	0.083946496	86.2302475	0.000674854	0.000674854	7.12272E-06	0.008288506	0.002577503	0.117952444	0.010700649	5.8673E-06	23.78026962	4.4768E-05	0.000165837	0.000386591	0.003521811
2097 Nov	158.0417938	0.02229977	0.022196801	0.001559576	14.55179405	0.083897315	86.19267273	0.00067398	0.00067398	7.11681E-06	0.00828349	0.002576289	0.117901377	0.010691309	5.8619E-06	23.76613426	4.47463E-05	0.000165733	0.000386371	0.003519911
2097 Dec	158.0216064	0.022295026	0.022190901	0.001559207	14.54901695	0.083885565	86.18319702	0.000673792	0.000673792	7.11547E-06	0.008282292	0.002575986	0.117888473	0.010689194	5.86069E-06	23.76276016	4.47409E-05	0.000165708	0.000386318	0.003519452
2098 Jan	158.0252075	0.022295613	0.022191411	0.001559243	14.54935837	0.083887465	86.18512726	0.000673808	0.000673808	7.11563E-06	0.008282482	0.002576044	0.11789111	0.010689462	5.86083E-06	23.7633152	4.47419E-05	0.000165712	0.000386327	0.003519531
2098 Feb	158.0288544	0.02229617	0.022191931	0.001559279	14.54970455	0.083889373	86.18709564	0.000673824	0.000673824	7.1158E-06	0.008282673	0.002576104	0.1178938	0.010689734	5.86096E-06	23.76387787	4.47429E-05	0.000165716	0.000386337	0.003519612
2098 Mar	158.0419617	0.022298042	0.022193773	0.001559408	14.55091476	0.083896317	86.1942215	0.000673879	0.000673879	7.11639E-06	0.008283358	0.002576318	0.117903545	0.010690632	5.86145E-06	23.76585388	4.47466E-05	0.00016573	0.000386369	0.003519904
2098 Apr	158.1202698	0.02230921	0.02220428	0.001560143	14.5580759	0.083937295	86.23686218	0.000674194	0.000674194	7.11981E-06	0.008287415	0.002577602	0.117961809	0.010696154	5.86426E-06	23.77777672	4.47687E-05	0.000165815	0.000386565	0.003521638
2098 May	158.2627258	0.022321079	0.022197025	0.001559812	14.56579876	0.083990633	86.3172226	0.000673897	0.000673897	7.1219E-06	0.008293514	0.00258029	0.118071184	0.010709793	5.86515E-06	23.80225182	4.48106E-05	0.00016604	0.000387035	0.003524451
2098 Jun	157.3382568	0.0220767	0.021910014	0.001541489	14.43625259	0.083416939	85.87571716	0.000664584	0.000664584	7.05695E-06	0.008236747	0.002566773	0.117468126	0.010625384	5.80635E-06	23.65506363	4.45653E-05	0.000165063	0.000384878	0.003502858
2098 Jul	158.7669525	0.022254657	0.022084527	0.001554134	14.55955887	0.084165275	86.66823578	0.000669798	0.000669798	7.11762E-06	0.008310339	0.002590295	0.118552789	0.010715483	5.85544E-06	23.86685753	4.49732E-05	0.000166531	0.000388345	0.003534588
2098 Aug	159.384964	0.022283621	0.022103827	0.001556465	14.59538841	0.084469602	87.04089355	0.000670122	0.000670122	7.13584E-06	0.008338916	0.002600945	0.11906381	0.010739616	5.8681E-06	23.95164871	4.51545E-05	0.000167088	0.000389779	0.003548138
2098 Sep	159.0726318	0.022179665	0.021971712	0.001548514	14.54006958	0.084274478	86.91475677	0.000665843	0.000665843	7.10946E-06	0.008318296	0.002596608	0.118893266	0.010696598	5.84339E-06	23.89478493	4.50749E-05	0.000166654	0.000388913	0.003540887
2098 Oct	158.6263733	0.022089347	0.021850755	0.001540945	14.48221302	0.084019586	86.69863129	0.000662061	0.000662061	7.08146E-06	0.008292709	0.002589846	0.118599087	0.010653123	5.81843E-06	23.82180977	4.49549E-05	0.000166127	0.000387755	0.003530751
2098 Nov	158.4644775	0.022058232	0.021808567	0.001538296	14.4617815	0.083927788	86.61922455	0.00066075	0.00066075	7.07155E-06	0.008283539	0.00258738	0.118491009	0.010637849	5.80965E-06	23.79557037	4.49112E-05	0.000165939	0.000387337	0.003527077
2098 Dec	158.4776001	0.022060128	0.021810282	0.001538419	14.4629631	0.083934724	86.62641907	0.000660803	0.000660803	7.07213E-06	0.008284228	0.002587595	0.118500851	0.010638724	5.81012E-06	23.79754257	4.49149E-05	0.000165952	0.000387369	0.003527369
2099 Jan	158.4820251	0.022060802	0.021810895	0.001538462	14.46337509	0.083937071	86.62882233	0.000660822	0.000660822	7.07233E-06	0.008284461	0.002587668	0.118504137	0.010639039	5.81028E-06	23.79821777	4.49162E-05	0.000165957	0.00038738	0.003527467
2099 Feb	158.4871216	0.022061538	0.021811601	0.001538511	14.46384525	0.083939753	86.6315918	0.000660843	0.000660843	7.07256E-06	0.008284726	0.002587751	0.118507914	0.010639397	5.81047E-06	23.79899025	4.49176E-05	0.000165963	0.000387393	0.00352758
2099 Mar	158.5323486	0.02206785	0.021817826	0.00153895	14.46797562	0.083963692	86.65630341	0.000661032	0.000661032	7.07457E-06	0.00828709	0.00258849	0.118541718	0.010642442	5.81213E-06	23.80578804	4.49304E-05	0.00016601	0.000387503	0.003528587
2099 Apr	158.7298584	0.022095434	0.021844018	0.001540795	14.48587227	0.084067196	86.76419067	0.000661817	0.000661817	7.08319E-06	0.00829732	0.002591729	0.118689202	0.01065606	5.81917E-06	23.83568382	4.49863E-05	0.000166221	0.000387994	0.003532965
2099 May	158.4933624	0.022042505	0.021750461	0.001534551	14.45175743	0.083892584	86.64376068	0.000658698	0.000658698	7.06256E-06	0.008281151	0.002588638	0.118522324	0.010647392	5.80022E-06	23.80607796	4.49211E-05	0.000166115	0.000387679	0.003526938
2099 Jun	158.3742065	0.0219483	0.021637224	0.001527796	14.41202831	0.083783083	86.62270355	0.000654855	0.000654855	7.04295E-06	0.00826961	0.002587582	0.118494265	0.010620946	5.78075E-06	23.7803154	4.4898E-05	0.000165935	0.000387388	0.003523786
2099 Jul	159.6520844	0.022097828	0.021782106	0.001538477	14.51884842	0.08444833	87.3373642	0.000659135	0.000659135	7.09562E-06	0.008334793	0.002608722	0.119472474	0.01069879	5.82295E-06	23.9684906	4.52639E-05	0.000167234	0.00039048	0.003552132
2099 Aug	160.8584595	0.022225576	0.021901395	0.001547574	14.61436176	0.085070617	88.02141571	0.00066256	0.00066256	7.14278E-06	0.008395193	0.002628815	0.120409086	0.010767556	5.86005E-06	24.14402199	4.56101E-05	0.000168434	0.000393376	0.00357883
2099 Sep	160.7802582	0.02216756	0.021826521	0.001543268	14.58771229	0.085007742	88.01135254	0.000660078	0.000660078	7.1303E-06	0.008387852	0.002628084	0.1203968	0.010746025	5.84759E-06	24.12487984	4.55942E-05	0.000168272	0.000393108	0.003576878
2099 Oct	160.5377197	0.022109769	0.021748671	0.001538482	14.55250645	0.084865078	87.90032196	0.000657608	0.000657608	7.11336E-06	0.008373328	0.002624506	0.120245904	0.010719128	5.83219E-06	24.08370209	4.55303E-05	0.000167968	0.000392463	0.003571334
2099 Nov	160.3436432	0.022072054	0.021700606	0.001535435	14.52858543	0.084755637	87.80441284	0.000656105	0.000656105	7.10178E-06	0.008362344	0.002621523	0.120115221	0.010701099	5.82197E-06	24.05233383	4.54777E-05	0.000167741	0.000391964	0.003566944
2099 Dec	160.3566589	0.02207396	0.021702364	0.00153556	14.52977276	0.084762536	87.81151581	0.000656159	0.000656159	7.10236E-06	0.008363028	0.002621736	0.120124936	0.010701982	5.82245E-06	24.05429268	4.54813E-05	0.000167755	0.000391996	0.003567233
2100 Jan	160.3581696	0.022074223	0.021702571	0.001535575	14.52991772	0.084763326	87.81231689	0.000656165	0.000656165	7.10243E-06	0.008363108	0.002621761	0.120126039	0.010702101	5.8225E-06	24.05452919	4.54818E-05	0.000167757	0.000392	0.003567267
2100 Feb	160.3601379	0.022074521	0.021702845	0.001535594	14.53010178	0.084764354	87.81338501	0.000656173	0.000656173	7.10252E-06	0.008363212	0.002621794	0.120127492	0.010702248	5.82258E-06	24.05483437	4.54823E-05	0.000167759	0.000392005	0.00356731
2100 Mar	160.3698578	0.022075873	0.02170416	0.001535686	14.53098488	0.08476948	87.81868744	0.000656213	0.000656213	7.10295E-06	0.008363717	0.002621952	0.120134749	0.010702904	5.82293E-06	24.05629539	4.54851E-05	0.000167769	0.000392028	0.003567526
2100 Apr	160.5228882	0.022096949	0.021724874	0.001537152	14.54485416	0.084850378	87.90249634	0.000656839	0.000656839	7.10973E-06	0.008371699	0.002624455	0.120249391	0.010713124	5.82849E-06	24.07925606	4.55285E-05	0.00016793	0.000392403	0.00357093
2100 May	160.7444458	0.022125863	0.021737358	0.001538128	14.56226063	0.084950566	88.02239227	0.000657196	0.000657196	7.11676E-06	0.008382554	0.002628352	0.120413035	0.010733237	5.83376E-06	24.11600876	4.55922E-05	0.000168239	0.000393056	0.003575562
2100 Jun	159.8392944	0.021902435	0.021480219	0.001521609	14.44210148	0.084401257	87.5801239	0.000648925	0.000648925	7.05684E-06	0.008328479	0.002614892	0.119809151	0.010654044	5.78006E-06	23.97317123	4.53504E-05	0.00016729	0.000390928	0.003554566
2100 Jul	160.4312592	0.021923488	0.021495508	0.001523658	14.47485638	0.084689431	87.93920135	0.000649122	0.000649122	7.07384E-06	0.008355905	0.002625114	0.120301574	0.010675895	5.7917E-06	24.05362701	4.55266E-05	0.00016782	0.0003923	0.003567535
2100 Aug	160.7407227	0.021901615	0.021463424	0.001522507	14.47976208	0.084827691	88.14784241	0.000647865	0.000647865	7.07708E-06	0.008367882	0.002630807	0.120588474	0.010676987	5.79174E-06	24.09100151	4.56212E-05	0.000168041	0.000392967	0.003574195
2100 Sep	160.9526215	0.021894617	0.021446075	0.001521987	14.48487663	0.084924333	88.28751373	0.000647181	7.08E-06	0.008376502	0.002634665	0.120780699	0.010679322	5.79254E-06	24.1174221	4.56855E-05	0.000168204	0.00039343	0.003578754
2100 Oct	161.069397	0.021895491	0.021439942	0.001521886	14.48873043	0.084978446	88.36282349	0.000646912	0.000646912	7.08206E-06	0.008381494	0.002636755	0.120884053	0.010681439	5.79346E-06	24.13232803	4.5721E-05	0.000168297	0.000393689	0.003581284
2100 Nov	161.1251984	0.021900592	0.021443432	0.001522196	14.49256325	0.085006572	88.39542389	0.000647004	0.000647004	7.08396E-06	0.008384214	0.002637702	0.120928727	0.010684151	5.79488E-06	24.14023972	4.57373E-05	0.000168351	0.000393821	0.003582512
2100 Dec	161.1467133	0.021903571	0.021446271	0.001522399	14.49449635	0.085017927	88.40723419	0.00064709	0.00064709	7.08491E-06	0.008385337	0.002638054	0.12094488	0.010685581	5.79565E-06	24.14346695	4.57434E-05	0.000168373	0.000393874	0.003582991
2101 Jan	161.1517487	0.021904293	0.021446941	0.001522446	14.49495411	0.085020579	88.40997314	0.000647111	0.000647111	7.08513E-06	0.0083856	0.002638137	0.120948635	0.010685927	5.79583E-06	24.14422607	4.57448E-05	0.000168378	0.000393886	0.003583102
2101 Feb	161.1536407	0.021904575	0.021447198	0.001522464	14.49512863	0.085021555	88.41099548	0.000647119	0.000647119	7.08521E-06	0.008385697	0.002638168	0.120950036	0.010686064	5.7959E-06	24.1445179	4.57454E-05	0.000168381	0.000393891	0.003583144
2101 Mar	161.1614685	0.021905649	0.021448243	0.001522538	14.4958353	0.085025683	88.41529083	0.00064715	0.00064715	7.08555E-06	0.008386104	0.002638296	0.120955899	0.010686591	5.79618E-06	24.14569473	4.57476E-05	0.000168389	0.00039391	0.003583318
2101 Apr	161.2530823	0.021918062	0.021460364	0.001523399	14.50405693	0.08507397	88.46556091	0.000647515	0.000647515	7.08957E-06	0.008390866	0.002639796	0.121024676	0.010692661	5.79947E-06	24.15941811	4.57736E-05	0.000168485	0.000394134	0.003585354
2101 May	161.431427	0.021939633	0.021466315	0.001523929	14.517169	0.085151576	88.56280518	0.000647665	0.000647665	7.09459E-06	0.008399397	0.002642985	0.121157356	0.010709158	5.80305E-06	24.18929482	4.58252E-05	0.000168743	0.000394675	0.003589036

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2101 Jun	161.067337	0.021818582	0.021321345	0.001514858	14.45691967	0.084909022	88.40203857	0.000642914	0.000642914	7.06433E-06	0.008375428	0.002637974	0.12093813	0.010671015	5.77497E-06	24.1293869	4.57324E-05	0.000168354	0.00039384	0.003580336
2101 Jul	162.405838	0.021980079	0.021477373	0.001526269	14.57023335	0.085606627	89.14805603	0.000647534	0.000647534	7.12004E-06	0.008443928	0.002660074	0.12195915	0.010753907	5.81976E-06	24.3271656	4.61152E-05	0.000169724	0.000397087	0.003610025
2101 Aug	163.6326599	0.022122936	0.021613982	0.001536359	14.67211151	0.086244099	89.83558655	0.000651531	0.000651531	7.17013E-06	0.008506191	0.002680379	0.122900076	0.010828028	5.85977E-06	24.50760078	4.64661E-05	0.000170967	0.000400056	0.003637222
2101 Sep	163.7164764	0.02209213	0.021567134	0.001533947	14.6619997	0.086269125	89.91119385	0.000649919	0.000649919	7.16569E-06	0.008507629	0.002682243	0.123004854	0.010818775	5.85411E-06	24.5134201	4.64956E-05	0.000170981	0.00040019	0.003638897
2101 Oct	163.7338257	0.02207852	0.02154262	0.001532636	14.65554237	0.086269498	89.93408203	0.000649096	0.000649096	7.16272E-06	0.008507334	0.002682753	0.12303669	0.010813281	5.85076E-06	24.51300812	4.65034E-05	0.000170966	0.0004002	0.003639198
2101 Nov	163.4564819	0.022029132	0.021479024	0.001528574	14.622962	0.086115226	89.79433441	0.000647128	0.000647128	7.14693E-06	0.008491943	0.002678448	0.122846223	0.010788803	5.83697E-06	24.46877098	4.64276E-05	0.000170649	0.00039949	0.003632943
2101 Dec	163.440918	0.022027837	0.021475166	0.001528339	14.6211853	0.086106762	89.78627014	0.000647021	0.000647021	7.14605E-06	0.008491158	0.002678213	0.122835308	0.010787577	5.8362E-06	24.46638489	4.64234E-05	0.000170633	0.00039945	0.003632589
2102 Jan	163.4421539	0.022028079	0.021475332	0.001528351	14.62130642	0.08610741	89.78691864	0.000647027	0.000647027	7.14611E-06	0.008491225	0.002678233	0.122836195	0.010787683	5.83625E-06	24.46658325	4.64237E-05	0.000170635	0.000399453	0.003632616
2102 Feb	163.4462433	0.022028673	0.021475879	0.001528389	14.62168217	0.086109549	89.78915405	0.000647043	0.000647043	7.14629E-06	0.008491437	0.002678301	0.122839235	0.010787977	5.8364E-06	24.46721077	4.64249E-05	0.000170639	0.000399463	0.003632707
2102 Mar	163.4598083	0.022030521	0.021477664	0.001528516	14.62290001	0.086116679	89.79657745	0.000647097	0.000647097	7.14688E-06	0.00849214	0.002678523	0.122849405	0.010788884	5.83688E-06	24.46924782	4.64287E-05	0.000170653	0.000399497	0.003633008
2102 Apr	163.5299988	0.022039995	0.02148689	0.001529172	14.62918186	0.086153649	89.83512878	0.000647375	0.000647375	7.14995E-06	0.008495787	0.002679673	0.12290214	0.010793524	5.83939E-06	24.47975731	4.64487E-05	0.000170727	0.000399668	0.003634568
2102 May	163.8704224	0.022085577	0.021531284	0.001532336	14.65952969	0.08633285	90.02232361	0.00064871	0.00064871	7.16478E-06	0.008513452	0.002685254	0.123158246	0.010815908	5.85149E-06	24.5306797	4.65454E-05	0.000171082	0.0004005	0.003642133
2102 Jun	163.2258453	0.021906951	0.021346876	0.001521013	14.57059765	0.085954465	89.71347046	0.000643133	0.000643133	7.12401E-06	0.008477583	0.002675671	0.122741491	0.010750253	5.81503E-06	24.42337036	4.63823E-05	0.000170357	0.000398814	0.003627384
2102 Jul	163.6394958	0.021888841	0.02132191	0.001520575	14.58239174	0.086142421	89.98005676	0.000642219	0.000642219	7.13152E-06	0.008496057	0.002683179	0.123109333	0.010757529	5.81849E-06	24.47585106	4.65128E-05	0.000170712	0.000399732	0.003636296
2102 Aug	164.5366211	0.021974482	0.021399613	0.001526728	14.65002918	0.086601257	90.49432373	0.000644396	0.000644396	7.16504E-06	0.008540396	0.002698221	0.123813689	0.010805981	5.84444E-06	24.60515594	4.67714E-05	0.000171592	0.000401875	0.003656114
2102 Sep	164.8718719	0.021990685	0.021405643	0.001527755	14.66833115	0.086765051	90.69824219	0.000644434	0.000644434	7.17433E-06	0.00855582	0.002704033	0.12409348	0.010818204	5.85068E-06	24.65080833	4.68704E-05	0.000171892	0.000402648	0.003663444
2102 Oct	164.35112	0.02188614	0.021279167	0.00151969	14.6043911	0.086471729	90.44120026	0.00064037	0.00064037	7.14347E-06	0.008526145	0.002695988	0.123742908	0.010769408	5.82346E-06	24.5663147	4.67287E-05	0.000171276	0.000401305	0.003651688
2102 Nov	164.4062195	0.021892807	0.021284018	0.001520078	14.60866261	0.086500093	90.47251129	0.000640581	0.000640581	7.14557E-06	0.008528939	0.002696913	0.123785824	0.010772544	5.8251E-06	24.57434845	4.67446E-05	0.000171331	0.000401437	0.003652904
2102 Dec	164.4197998	0.02189469	0.021285772	0.001520204	14.60987377	0.086507246	90.47996521	0.000640635	0.000640635	7.14616E-06	0.008529648	0.002697136	0.123796023	0.010773443	5.82558E-06	24.57638359	4.67485E-05	0.000171346	0.00040147	0.003653205
2103 Jan	164.4232178	0.021895187	0.021286217	0.001520236	14.61018372	0.086509041	90.48182678	0.000640648	0.000640648	7.14631E-06	0.008529826	0.002697192	0.123798572	0.010773679	5.8257E-06	24.57690239	4.67494E-05	0.000171349	0.000401479	0.003653281
2103 Feb	164.4319305	0.021896368	0.02128735	0.001520316	14.61096287	0.086513609	90.48660278	0.000640682	0.000640682	7.14669E-06	0.008530277	0.002697335	0.123805121	0.010774263	5.82601E-06	24.57821274	4.67519E-05	0.000171358	0.0004015	0.003653474
2103 Mar	164.4510956	0.021898933	0.021289835	0.001520493	14.61266899	0.086523697	90.49715424	0.000640757	0.000640757	7.14752E-06	0.008531272	0.002697649	0.123819537	0.010775527	5.82669E-06	24.58107948	4.67574E-05	0.000171378	0.000401547	0.0036539
2103 Apr	164.5497437	0.021912077	0.021302607	0.001521405	14.62143612	0.08657559	90.55142975	0.000641141	0.000641141	7.15181E-06	0.008536389	0.002699268	0.123893797	0.010781994	5.83018E-06	24.59582901	4.67854E-05	0.000171481	0.000401788	0.003656092
2103 May	164.8096161	0.021948345	0.021325668	0.001523087	14.64345932	0.086700238	90.69153595	0.000641834	0.000641834	7.16138E-06	0.008549511	0.002703721	0.124085188	0.010804114	5.83771E-06	24.63786697	4.68596E-05	0.000171819	0.000402515	0.003661642
2103 Jun	163.950058	0.021750512	0.021095278	0.001508146	14.5342474	0.086181931	90.26221466	0.000634468	0.000634468	7.10642E-06	0.008498975	0.00269085	0.123498611	0.010734421	5.78883E-06	24.50498009	4.66283E-05	0.000170955	0.000400532	0.003641703
2103 Jul	164.735611	0.02179802	0.02113618	0.001512037	14.58455467	0.086572997	90.727005	0.00063546	0.00063546	7.13203E-06	0.008536552	0.002704264	0.124135755	0.010769546	5.80753E-06	24.6146698	4.68592E-05	0.000171689	0.000402379	0.003658981
2103 Aug	165.2449188	0.021807952	0.021138459	0.001513269	14.61006165	0.086821333	91.04021454	0.000635354	0.000635354	7.14548E-06	0.008559613	0.002713226	0.124565601	0.010786901	5.81629E-06	24.683321	4.70096E-05	0.000172129	0.000403547	0.00367014
2103 Sep	165.2805939	0.021774746	0.021086877	0.001510493	14.59614754	0.086821429	91.08866119	0.000633599	0.000633599	7.13914E-06	0.008558716	0.00271428	0.124632962	0.010774805	5.80913E-06	24.68205833	4.70256E-05	0.000172093	0.000403565	0.003670758
2103 Oct	164.75354	0.021679947	0.020963056	0.001502613	14.53335571	0.086527601	90.82472229	0.000629759	0.000629759	7.10872E-06	0.008529335	0.00270612	0.12427327	0.010727412	5.78247E-06	24.59758759	4.68818E-05	0.000171484	0.00040221	0.003658867
2103 Nov	164.6363983	0.02165951	0.020934191	0.001500796	14.51911736	0.08646211	90.76642609	0.000628872	0.000628872	7.10182E-06	0.008522823	0.002704321	0.124193899	0.010716734	5.77639E-06	24.57877159	4.685E-05	0.00017135	0.000401907	0.003656217
2103 Dec	164.6450043	0.021660719	0.020935249	0.001500873	14.51987362	0.086466625	90.77115631	0.000628904	0.000628904	7.10218E-06	0.008523273	0.002704462	0.124200381	0.010717297	5.77669E-06	24.58005905	4.68524E-05	0.000171359	0.000401928	0.003656408
2104 Jan	164.6464081	0.021660956	0.020935433	0.001500886	14.52000427	0.086467363	90.77190399	0.00062891	0.00062891	7.10225E-06	0.008523347	0.002704486	0.12420141	0.010717405	5.77674E-06	24.5802803	4.68528E-05	0.00017136	0.000401932	0.003656439
2104 Feb	164.6496429	0.02166141	0.02093585	0.001500915	14.52029705	0.086469054	90.77368164	0.000628922	0.000628922	7.10239E-06	0.008523515	0.002704539	0.124203824	0.010717632	5.77685E-06	24.5807724	4.68537E-05	0.000171364	0.00040194	0.003656511
2104 Mar	164.6700439	0.021664109	0.020938447	0.001501101	14.52209949	0.086479761	90.78491974	0.000629	0.000629	7.10327E-06	0.008524571	0.002704874	0.124219209	0.010718969	5.77757E-06	24.58382416	4.68595E-05	0.000171385	0.00040199	0.003656964
2104 Apr	164.8260956	0.021684647	0.02095829	0.001502523	14.53586292	0.086561702	90.87094116	0.000629597	0.000629597	7.11E-06	0.008532649	0.002707437	0.124336921	0.010729131	5.78304E-06	24.60712242	4.69039E-05	0.000171548	0.000402371	0.003660429
2104 May	165.0467529	0.021711973	0.020966614	0.001503237	14.55234909	0.086658247	90.99085999	0.000629816	0.000629816	7.11635E-06	0.008543263	0.002711373	0.124500543	0.010749657	5.78764E-06	24.64412498	4.69677E-05	0.000171867	0.000403038	0.00366499
2104 Jun	164.2910614	0.021524115	0.020754235	0.001489557	14.45217896	0.086201183	90.62275696	0.000622933	0.000622933	7.0665E-06	0.008497884	0.002700082	0.123997539	0.010682394	5.74296E-06	24.52417183	4.67653E-05	0.000171056	0.000401249	0.003647506
2104 Jul	165.3212738	0.02162106	0.020844273	0.001496673	14.52988338	0.086727202	91.21273041	0.000625474	0.000625474	7.10517E-06	0.008549041	0.002717359	0.124805547	0.010738397	5.77293E-06	24.67274094	4.70634E-05	0.000172071	0.000403715	0.003670267
2104 Aug	166.1139679	0.021685289	0.020900086	0.001501394	14.58561897	0.087128118	91.67392731	0.000626959	0.000626959	7.13297E-06	0.008587494	0.002730763	0.125437394	0.010777887	5.79391E-06	24.78545189	4.72932E-05	0.000172383	0.000405595	0.003687741
2104 Sep	166.0629578	0.021636801	0.020837186	0.001497814	14.56389523	0.087082937	91.67486572	0.000624866	0.000624866	7.12287E-06	0.008581962	0.0027304	0.125440016	0.010759934	5.78368E-06	24.77116203	4.72839E-05	0.000172703	0.000405399	0.003686429
2104 Oct	165.722641	0.021572348	0.020750659	0.001492369	14.52140903	0.086891323	91.50772095	0.000622172	0.000622172	7.10233E-06	0.00856273	0.002725186	0.125212401	0.010727657	5.76551E-06	24.71585846	4.71918E-05	0.000172302	0.000404514	0.003678732
2104 Nov	165.6582947	0.021560723	0.020732542	0.001491253	14.51298523	0.086854808	91.47663116	0.000621617	0.000621617	7.09825E-06	0.008559104	0.002724219	0.125170171	0.010721328	5.76187E-06	24.70532608	4.71746E-05	0.000172226	0.000404345	0.003677269
2104 Dec	165.6692963	0.021562235	0.020733919	0.001491352	14.51395416	0.08686059	91.4826889	0.000621659	0.000621659	7.09872E-06	0.008559677	0.0027244	0.125178471	0.01072205	5.76225E-06	24.70697212	4.71777E-05	0.000172238	0.000404372	0.003677513
2105 Jan	165.6699524	0.021562364	0.020734005	0.001491359	14.51401901	0.086860932	91.48303986	0.000621662	0.000621662	7.09875E-06	0.008559712	0.002724411	0.125178948	0.010722106	5.76228E-06	24.70708084	4.71779E-05	0.000172238	0.000404373	0.003677528
2105 Feb	165.6737213	0.021562876	0.02073448	0.001491392	14.5143528	0.086862892	91.48510742	0.000621676	0.000621676	7.09891E-06	0.008559906	0.002724473	0.125181779	0.010722363	5.76241E-06	24.70764923	4.7179E-05	0.000172242	0.000404383	0.003677611
2105 Mar	165.6809387	0.02156383	0.020735387	0.001491457	14.5149889	0.086866677	91.48908234	0.000621703	0.000621703	7.09922E-06	0.008560278	0.002724592	0.125187218	0.010722838	5.76266E-06	24.7087307	4.7181E-05	0.00017225	0.0004044	0.003677771
2105 Apr	165.7670593	0.021575047	0.020746166	0.001492233	14.52253532	0.086911827	91.53664398	0.000622026	0.000622026	7.10291E-06	0.008564729	0.002726008	0.125252292	0.010728416	5.76566E-06	24.72157669	4.72056E-05	0.000172339	0.000404611	0.003679683
2105 May	165.9483185	0.021591865	0.020747868	0.001492532	14.53423691	0.086989611	91.63868713	0.000622016	0.000622016	7.10738E-06	0.008573092	0.002729272	0.125391588	0.010743243	5.76861E-06	24.75095558	4.72585E-05	0.000172588	0.000405147	0.003683428
2105 Jun	166.0475616	0.021562696	0.020699525	0.001489829	14.52627182	0.087007195	91.71567535	0.000620316	0.000620316	7.10253E-06	0.008575019	0.002731529	0.125497088	0.010743173	5.76254E-06	24.76371193	4.7293E-05	0.000172708	0.000405456	0.003685193
2105 Jul	167.1001282	0.021662451	0.020792004	0.00149712	14.60588264	0.087545209	92.31833649	0.00062292	0.00062292	7.14207E-06	0.008627187	0.002749179	0.126322269	0.010800575	5.79319E-06	24.91560364	4.7597E-05	0.000173742	0.000407978	0.003708458
2105 Aug	167.2716217	0.021611871	0.020731969	0.001494147	14.59526348	0.087608159	92.45675659	0.000620789	0.000620789	7.13793E-06	0.008631429	0.002752703	0.126513258	0.010789723	5.78688E-06	24.93095016	4.76532E-05	0.000173799	0.000408293	0.003712039
2105 Sep	166.9143829	0.02151541	0.020613795	0.001486905	14.54191875	0.087397948	92.29637146	0.000617016	0.000617016	7.11248E-06	0.008609462	0.002747459	0.126295775	0.010748088	5.76363E-06	24.8693161	4.75584E-05	0.000173338	0.000407326	0.00370387
2105 Oct	166.5315094	0.021443058	0.020520732	0.001481003	14.49517632	0.087183431	92.10680389	0.000614107	0.000614107	7.08991E-06	0.008587883	0.002741549	0.126037434	0.010712429	5.74374E-06	24.8073349	4.74543E-05	0.000172887	0.000406334	0.003695229
2105 Nov	166.3823242	0.021418326	0.020487608	0.001478885	14.47803974	0.087101147	92.03100586	0.000613092	0.000613092	7.08159E-06	0.008579706	0.002739224	0.125934139	0.01069954	5.73651E-06	24.78367233	4.74134E-05	0.000172718	0.000405952	0.00369187
2105 Dec	166.3872375	0.021419069	0.020488214	0.001478929	14.47847652	0.087103739	92.03369904	0.000613111	0.000613111	7.0818E-06	0.008579965	0.002739305	0.125937834	0.010699871	5.73669E-06	24.78441429	4.74148E-05	0.000172723	0.000405964	0.003691979
2106 Jan	166.3882141	0.021419248	0.020488339	0.001478938	14.47856903	0.087104246	92.03421783	0.000613115	0.000613115	7.08185E-06	0.008580018	0.002739321	0.12593855	0.01069995	5.73672E-06	24.78456879	4.74151E-05	0.000172725	0.000405967	0.003692
2106 Feb	166.3896942	0.021419466	0.020488523	0.001478951	14.47870255	0.087104999	92.03501129	0.00061312	0.00061312	7.08191E-06	0.008580092	0.002739346	0.125939623	0.010700061	5.73677E-06	24.78479576	4.74155E-05	0.000172726	0.00040597	0.003692033
2106 Mar	166.3999023	0.021420795	0.020489784	0.001479042	14.47959423	0.087110333	92.04064941	0.000613158	0.000613158	7.08234E-06	0.008580619	0.002739514	0.125947341	0.010700726	5.73712E-06	24.78632164	4.74184E-05	0.000172737	0.000405995	0.003692259
2106 Apr	166.5138092	0.021435469	0.020503813	0.001480054	14.48951054	0.087169968	92.10366058	0.000613578	0.000613578	7.08719E-06	0.008586493	0.002741389	0.126033559	0.010708057	5.74105E-06	24.80329323	4.74509E-05	0.000172855	0.000406273	0.003694787
2106 May	166.8641205	0.021481358	0.020542825	0.001482884	14.51961136	0.087348498	92.29615784	0.000614744	0.000614744	7.10142E-06	0.008604418	0.002747233	0.126296848	0.010732698	5.75247E-06	24.85679436	4.75508E-05	0.000173246	0.000407166	0.003702469
2106 Jun	166.0913086	0.021305781	0.020343652	0.001469997	14.42328739	0.086887777	91.90701294	0.000608467	0.000608467	7.05357E-06	0.008559965	0.002735592	0.125766054	0.010670367	5.71013E-06	24.73720551	4.73439E-05	0.000172472	0.000405359	0.003684606
2106 Jul	167.196106	0.021393811	0.020422764	0.001476679	14.50110435	0.087445252	92.54827118	0.000610629	0.000610629	7.0927E-06	0.008614154	0.00275428	0.126644954	0.010726083	5.73978E-06	24.89449692	4.76664E-05	0.000173543	0.000407985	0.003708952
2106 Aug	167.5851746	0.021377401	0.020396793	0.001476067	14.51182175	0.087625317	92.80271912	0.000609577	0.000609577	7.09898E-06	0.008630122	0.002761344	0.126994655	0.010731533	5.74219E-06	24.94332695	4.77838E-05	0.000173839	0.000408841	0.003717388
2106 Sep	167.4130859	0.021308856	0.020309888	0.00147094	14.47712708	0.087515056	92.74049377	0.000606772	0.000606772	7.0826E-06	0.00861805	0.002759079	0.126911461	0.010703891	5.7266E-06	24.91022682	4.77406E-05	0.00017358	0.000408334	0.003713353
2106 Oct	167.3984528	0.02129551	0.020284928	0.001469551	14.4690876	0.087500356	92.74360657	0.000605963	0.000605963	7.07882E-06	0.008616377	0.002759037	0.12691626	0.01069737	5.72273E-06	24.9055481	4.77389E-05	0.000173538	0.000408269	0.003712955
2106 Nov	167.464859	0.021303883	0.020292643	0.001470116	14.47473812	0.087534972	92.78053284	0.000606193	0.000606193	7.08158E-06	0.008619785	0.002760134	0.126966804	0.010701546	5.72496E-06	24.91539574	4.77579E-05	0.000173607	0.000408431	0.003714427
2106 Dec	167.4736328	0.021305053	0.020293707	0.001470194	14.47550106	0.087539569	92.7853775	0.000606226	0.000606226	7.08195E-06	0.00862024	0.002760279	0.126973435	0.010702114	5.72526E-06	24.91670609	4.77604E-05	0.000173616	0.000408452	0.003714622
2107 Jan	167.475296	0.021305298	0.020293912	0.001470208	14.47564983	0.08754044	92.78630066	0.000606232	0.000606232	7.08203E-06	0.008620327	0.002760307	0.126974702	0.010702231	5.72532E-06	24.91696167	4.77609E-05	0.000173618	0.000408456	0.003714659
2107 Feb	167.4823608	0.021306215	0.020294771	0.00147027	14.476264	0.087544121	92.79019165	0.000606258	0.000606258	7.08232E-06	0.008620691	0.002760423	0.126980022	0.010702691	5.72556E-06	24.91801643	4.77629E-05	0.000173625	0.000408474	0.003714815
2107 Mar	167.5068207	0.021309331	0.020297734	0.001470485	14.47837925	0.087556899	92.80374146	0.000606346	0.000606346	7.08336E-06	0.008621948	0.002760826	0.126998559	0.010704258	5.72639E-06	24.92165756	4.77699E-05	0.000173651	0.000408533	0.003715357
2107 Apr	167.5640259	0.021316616	0.020304667	0.001470987	14.483325	0.087586798	92.83542633	0.000606553	0.000606553	7.08578E-06	0.008624893	0.002761769	0.127041936	0.010707917	5.72835E-06	24.93017006	4.77862E-05	0.00017371	0.000408673	0.003716626
2107 May	167.6622009	0.021321828	0.020301385	0.001470907	14.48830605	0.087627172	92.89305115	0.000606395	0.000606395	7.08756E-06	0.00862915	0.00276357	0.127120599	0.010714802	5.72927E-06	24.94554901	4.78153E-05	0.000173838	0.000408959	0.003718641
2107 Jun	167.6094513	0.021271609	0.020229137	0.001466532	14.46619415	0.087560475	92.88569641	0.000603987	0.000603987	7.0755E-06	0.008623153	0.002763406	0.127110779	0.010706236	5.71722E-06	24.93651772	4.78072E-05	0.000173823	0.000408926	0.003716951
2107 Jul	168.4602203	0.021336241	0.020286705	0.001471481	14.52510166	0.087989405	93.38179779	0.000605519	0.000605519	7.10509E-06	0.008664449	0.002777829	0.127790421	0.010748174	5.73946E-06	25.05718613	4.80549E-05	0.000174635	0.000410944	0.003735708
2107 Aug	169.4619751	0.021437645	0.020379826	0.001478705	14.60272408	0.08850354	93.95211792	0.000608179	0.000608179	7.14346E-06	0.008714383	0.002794586	0.128571332	0.010804535	5.76943E-06	25.2026329	4.83432E-05	0.00017563	0.000413353	0.003757854
2107 Sep	169.856308	0.021463515	0.020392904	0.001480244	14.62614155	0.088698074	94.18876648	0.000608427	0.000608427	7.15522E-06	0.008732927	0.002801369	0.128895774	0.010820547	5.77767E-06	25.25707054	4.84593E-05	0.000175991	0.00041427	0.003766498
2107 Oct	169.6812592	0.021424655	0.020340974	0.00147703	14.60190868	0.088597052	94.10702515	0.00060678	0.00060678	7.14359E-06	0.00872262	0.002798743	0.128784552	0.010801724	5.76718E-06	25.22757339	4.84128E-05	0.000175771	0.000413803	0.003762522
2107 Nov	169.5987091	0.021410117	0.020321093	0.001475773	14.59195518	0.088551067	94.06589508	0.000606166	0.000606166	7.13877E-06	0.008718026	0.002797469	0.128728539	0.010794165	5.76295E-06	25.21428108	4.83903E-05	0.000175675	0.000413589	0.00376066
2107 Dec	169.6069794	0.021411238	0.020322084	0.001475845	14.5926733	0.088555403	94.07046509	0.000606196	0.000606196	7.13912E-06	0.008718455	0.002797605	0.128734797	0.010794701	5.76323E-06	25.21551514	4.83927E-05	0.000175684	0.000413609	0.003760843
2108 Jan	169.6103668	0.021411709	0.020322492	0.001475875	14.59296989	0.088557161	94.07232666	0.000606208	0.000606208	7.13927E-06	0.008718631	0.002797661	0.128737345	0.010794929	5.76334E-06	25.21602631	4.83936E-05	0.000175687	0.000413618	0.003760918
2108 Feb	169.6130981	0.021412076	0.020322822	0.001475899	14.59321022	0.088558577	94.07382202	0.000606218	0.000606218	7.13938E-06	0.00871877	0.002797706	0.128739402	0.010795116	5.76344E-06	25.2164402	4.83944E-05	0.00017569	0.000413624	0.003760978
2108 Mar	169.641037	0.021415617	0.020326173	0.001476142	14.59561634	0.088573158	94.08931732	0.000606318	0.000606318	7.14056E-06	0.008720207	0.002798167	0.128760591	0.010796902	5.76439E-06	25.22059822	4.84024E-05	0.000175719	0.000413693	0.003761597
2108 Apr	169.8635864	0.021443617	0.020352693	0.001478069	14.61472416	0.088689268	94.2128067	0.000607108	0.000607108	7.1499E-06	0.008731634	0.002801839	0.12892957	0.01081105	5.77192E-06	25.25367928	4.84659E-05	0.00017595	0.000414236	0.003766531

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2108 May	170.3417816	0.021502934	0.020407898	0.001482098	14.65536976	0.088937439	94.47857666	0.000608742	0.000608742	7.16969E-06	0.008756078	0.00280975	0.129293233	0.010841507	5.78782E-06	25.32484627	4.86024E-05	0.000176448	0.000415408	0.003777113
2108 Jun	170.2354889	0.021437891	0.020331021	0.001477627	14.62762547	0.088850766	94.44371033	0.000606386	0.000606386	7.15671E-06	0.008748804	0.00280868	0.129248276	0.010825094	5.77524E-06	25.30510139	4.85834E-05	0.000176352	0.000415154	0.003774357
2108 Jul	171.5823364	0.02157875	0.020461913	0.001487674	14.73366261	0.089542501	95.20666504	0.000610189	0.000610189	7.20922E-06	0.008816681	0.002831163	0.130293325	0.010902625	5.81654E-06	25.50144768	4.89723E-05	0.00017771	0.0004184	0.003804125
2108 Aug	172.9813843	0.021734452	0.020606479	0.00149856	14.84669018	0.090264983	95.99524689	0.000614392	0.000614392	7.26481E-06	0.008887246	0.002854431	0.131372899	0.010985264	5.86055E-06	25.70644569	4.93737E-05	0.000179124	0.000421783	0.003835082
2108 Sep	173.3080139	0.021748742	0.020611569	0.001499503	14.86410904	0.090423845	96.19482422	0.000614383	0.000614383	7.27368E-06	0.008902157	0.002860092	0.131646544	0.010996669	5.86643E-06	25.75064278	4.94704E-05	0.000179411	0.000422534	0.003842227
2108 Oct	172.6475525	0.021638529	0.020476919	0.001490741	14.79108906	0.09006235	95.85540009	0.000610215	0.000610215	7.23831E-06	0.00886602	0.002849672	0.131183341	0.010941209	5.83593E-06	25.64643097	4.92879E-05	0.000178662	0.000420852	0.003827411
2108 Nov	172.6102295	0.021631652	0.02046453	0.001489996	14.78570747	0.090040773	95.83815002	0.000609837	0.000609837	7.23571E-06	0.008863882	0.002849127	0.131160006	0.010937145	5.83356E-06	25.64015579	4.92782E-05	0.000178616	0.000420751	0.003826556
2108 Dec	172.6216888	0.021633169	0.020465886	0.001490095	14.78669643	0.090046763	95.84449768	0.000609878	0.000609878	7.23619E-06	0.008864474	0.002849317	0.131168693	0.010937882	5.83395E-06	25.64186668	4.92814E-05	0.000178628	0.000420779	0.00382681
2109 Jan	172.6238708	0.021633489	0.020466151	0.001490114	14.78689003	0.090047903	95.84570313	0.000609886	0.000609886	7.23628E-06	0.008864589	0.002849353	0.131170332	0.010938034	5.83403E-06	25.64219856	4.92821E-05	0.000178631	0.000420784	0.003826858
2109 Feb	172.6294403	0.02163421	0.020466816	0.001490162	14.78737259	0.090050802	95.8487854	0.000609906	0.000609906	7.23652E-06	0.008864875	0.002849445	0.131174549	0.010938401	5.83422E-06	25.64303398	4.92836E-05	0.000178637	0.000420798	0.003826982
2109 Mar	172.6604767	0.02163811	0.020470496	0.00149043	14.79003239	0.090066977	95.86599731	0.000610016	0.000610016	7.23782E-06	0.008866468	0.002849957	0.131198108	0.010940374	5.83526E-06	25.64764595	4.92925E-05	0.000178669	0.000420874	0.003827669
2109 Apr	172.812851	0.021657208	0.020488553	0.001491745	14.80308437	0.09014646	95.9506073	0.000610554	0.000610554	7.2442E-06	0.008874292	0.002852473	0.13131389	0.010950033	5.84041E-06	25.67028618	4.9336E-05	0.000178827	0.000421245	0.003831047
2109 May	173.0368958	0.021675827	0.02049375	0.001492342	14.81751347	0.090247266	96.07889557	0.000610625	0.000610625	7.25024E-06	0.008884684	0.002856436	0.131489158	0.010965692	5.84455E-06	25.7049942	4.94015E-05	0.000179101	0.000421866	0.00383577
2109 Jun	173.3816223	0.021686262	0.020481337	0.001492113	14.83334923	0.090393491	96.28625488	0.000610046	0.000610046	7.25663E-06	0.008899688	0.002862716	0.131772891	0.010985073	5.84783E-06	25.75624657	4.95051E-05	0.000179507	0.000422808	0.00384295
2109 Jul	174.2034302	0.021739852	0.020527553	0.001496374	14.88726807	0.090804711	96.77050781	0.000611209	0.000611209	7.28391E-06	0.008939055	0.002876733	0.132436439	0.011023087	5.86792E-06	25.87162781	4.97453E-05	0.000180277	0.000424746	0.003861046
2109 Aug	175.0496674	0.021809077	0.020588774	0.001501545	14.94748878	0.091234289	97.26104736	0.000612905	0.000612905	7.31404E-06	0.008980396	0.002891074	0.133108482	0.011066575	5.8908E-06	25.9925518	4.99903E-05	0.000181093	0.00042676	0.00387972
2109 Sep	175.0708771	0.021773269	0.020537803	0.001498764	14.93278694	0.091227651	97.30111694	0.000611157	0.000611157	7.30736E-06	0.008978728	0.002891859	0.133164257	0.011053534	5.88343E-06	25.98906136	5.00019E-05	0.000181038	0.000426741	0.003880036
2109 Oct	174.3098145	0.021651044	0.020386711	0.001488907	14.85002518	0.090812981	96.90758514	0.000606506	0.000606506	7.26723E-06	0.008937399	0.00287982	0.132627234	0.010990811	5.84895E-06	25.86954498	4.97913E-05	0.000180181	0.000424806	0.003862976
2109 Nov	174.3288422	0.021652706	0.020384677	0.001488846	14.85051632	0.090821855	96.9199295	0.000606445	0.000606445	7.26748E-06	0.008938283	0.002880174	0.132644281	0.010991159	5.84901E-06	25.87201118	4.97972E-05	0.000180198	0.000424846	0.003863383
2109 Dec	174.3432617	0.021654567	0.020386362	0.001488969	14.85174942	0.090829372	96.92792511	0.000606496	0.000606496	7.26808E-06	0.008939026	0.002880413	0.132655233	0.010992076	5.8495E-06	25.87415695	4.98013E-05	0.000180213	0.000424882	0.003863702
2110 Jan	174.3492432	0.021655351	0.020387065	0.00148902	14.85226536	0.090832487	96.9312439	0.000606517	0.000606517	7.26833E-06	0.008939333	0.002880512	0.132659763	0.010992466	5.8497E-06	25.8750515	4.9803E-05	0.000180219	0.000424896	0.003863834
2110 Feb	174.356842	0.021656316	0.020387957	0.001489085	14.85291672	0.090836436	96.93544769	0.000606543	0.000606543	7.26865E-06	0.008939723	0.002880637	0.13266553	0.010992958	5.84996E-06	25.87618637	4.98052E-05	0.000180227	0.000424915	0.003864002
2110 Mar	174.3789673	0.021659072	0.020390546	0.001489274	14.85480309	0.090847954	96.94773865	0.00060662	0.00060662	7.26957E-06	0.008940857	0.002881003	0.132682338	0.010994359	5.8507E-06	25.87947273	4.98115E-05	0.00018025	0.000424969	0.003864492
2110 Apr	174.4717255	0.0216706	0.020401394	0.001490066	14.86270714	0.090896279	96.99930573	0.000606943	0.000606943	7.27344E-06	0.008945612	0.002882535	0.13275291	0.011000211	5.85381E-06	25.89324188	4.9838E-05	0.000180346	0.000425195	0.003866548
2110 May	174.7292938	0.021701794	0.020427043	0.001491974	14.88389683	0.091026269	97.14238739	0.000607694	0.000607694	7.28346E-06	0.008958617	0.002886857	0.132948637	0.011017599	5.86173E-06	25.93224525	4.99118E-05	0.00018063	0.000425849	0.003872185
2110 Jun	173.9337311	0.021538876	0.020240586	0.001479678	14.79090309	0.090557359	96.73162079	0.000601816	0.000601816	7.23655E-06	0.008913444	0.002874714	0.13238731	0.010959219	5.82069E-06	25.81197548	4.96954E-05	0.000179861	0.00042403	0.003853834
2110 Jul	174.8767395	0.02161419	0.020307615	0.001485348	14.85725975	0.091033131	97.27914429	0.00060364	0.00060364	7.26986E-06	0.008959606	0.002890672	0.133137643	0.011006826	5.8459E-06	25.94627571	4.99704E-05	0.000180774	0.000426273	0.003874614
2110 Aug	174.3974915	0.021462269	0.020148607	0.001475647	14.78451729	0.090753198	97.06652832	0.00059858	0.00059858	7.23586E-06	0.008929549	0.002883711	0.132849231	0.010949834	5.81481E-06	25.86270714	4.98419E-05	0.000180129	0.000424967	0.003863734
2110 Sep	173.7923126	0.021339448	0.020000314	0.001466247	14.70983505	0.090414457	96.7689209	0.000593918	0.000593918	7.19996E-06	0.008895011	0.00287437	0.13244395	0.010892031	5.78313E-06	25.76400566	4.96767E-05	0.000179406	0.000423387	0.003850083
2110 Oct	173.113266	0.021240063	0.019870274	0.001457753	14.6379528	0.0900473	96.41407013	0.000589979	0.000589979	7.16501E-06	0.008858718	0.002863602	0.131959856	0.010838025	5.75329E-06	25.65836906	4.94883E-05	0.000178656	0.000421665	0.00383487
2110 Nov	172.9437256	0.021212932	0.019836629	0.001455558	14.61951542	0.08995498	96.32642365	0.000588943	0.000588943	7.15607E-06	0.008849513	0.00286092	0.131840259	0.010824021	5.74561E-06	25.63172722	4.94413E-05	0.000178464	0.000421233	0.00383107
2110 Dec	172.954422	0.021214359	0.019837854	0.001455649	14.62042904	0.08996056	96.33235931	0.00058898	0.00058898	7.15652E-06	0.008850067	0.002861097	0.13184838	0.010824705	5.74597E-06	25.63332176	4.94444E-05	0.000178476	0.000421259	0.003831307
2111 Jan	172.9570618	0.021214735	0.019838162	0.001455671	14.62065887	0.089961924	96.3338089	0.00058899	0.00058899	7.15662E-06	0.008850202	0.002861141	0.131850362	0.010824887	5.74606E-06	25.63372231	4.94452E-05	0.000178478	0.000421266	0.003831366
2111 Feb	172.9589233	0.02121499	0.01983838	0.001455687	14.62082195	0.089962877	96.33482361	0.000588996	0.000588996	7.1567E-06	0.008850298	0.002861171	0.131851763	0.010825019	5.74612E-06	25.63400841	4.94457E-05	0.00017848	0.00042127	0.003831406
2111 Mar	173.0022278	0.021220315	0.019843349	0.001456051	14.62448597	0.089985393	96.3589325	0.000589144	0.000589144	7.15849E-06	0.008852512	0.002861888	0.131884754	0.010827738	5.74756E-06	25.64042854	4.94581E-05	0.000178525	0.000421376	0.003832365
2111 Apr	173.1708069	0.021241004	0.019862687	0.00145747	14.63873863	0.090073071	96.45282745	0.000589718	0.000589718	7.16547E-06	0.008861138	0.002864677	0.132013261	0.010838293	5.75316E-06	25.66541672	4.95062E-05	0.000178699	0.000421787	0.0038361
2111 May	173.4931641	0.021279691	0.01989113	0.001459618	14.66470051	0.090232223	96.63162231	0.000590543	0.000590543	7.17742E-06	0.008877264	0.002870143	0.132257745	0.010861168	5.76249E-06	25.71496773	4.95988E-05	0.000179071	0.000422629	0.003843093
2111 Jun	173.12146	0.02119126	0.01977754	0.001452216	14.61530972	0.089992978	96.44447327	0.000586905	0.000586905	7.15136E-06	0.008854802	0.002864799	0.132001653	0.010835714	5.73906E-06	25.66053963	4.94998E-05	0.000178766	0.000421871	0.003834214
2111 Jul	173.5309753	0.021344127	0.019918442	0.001462933	14.72776508	0.090718441	97.24057007	0.000591008	0.000591008	7.2068E-06	0.008925904	0.002888298	0.133091778	0.010918343	5.78281E-06	25.86678696	4.99055E-05	0.000180193	0.000425279	0.003865376
2111 Aug	174.5722656	0.021279944	0.019846696	0.001459082	14.70728302	0.090716384	97.30443573	0.000588583	0.000588583	7.19791E-06	0.008923769	0.002889662	0.133180916	0.010900356	5.77283E-06	25.86330795	4.99239E-05	0.00018012	0.000425276	0.003866095
2111 Sep	174.6625519	0.021260202	0.019815065	0.00145755	14.70229244	0.09075091	97.37589264	0.000587508	0.000587508	7.19589E-06	0.008926304	0.00289152	0.133280113	0.010895256	5.76969E-06	25.87184906	4.99531E-05	0.000180162	0.000425437	0.003867956
2111 Oct	174.1355286	0.021171877	0.019709006	0.001450631	14.64423752	0.090463035	97.10508728	0.000584212	0.000584212	7.16782E-06	0.008897448	0.002883183	0.132910445	0.010850783	5.7455E-06	25.78853035	4.98074E-05	0.000179559	0.000424091	0.003856149
2111 Nov	173.8012695	0.021124266	0.019649113	0.00144667	14.60997963	0.090283498	96.92864227	0.000582401	0.000582401	7.15115E-06	0.008879704	0.002877844	0.132669613	0.010825031	5.73138E-06	25.73688316	4.97143E-05	0.000179193	0.000423248	0.003848676
2111 Dec	173.809845	0.021125611	0.019649928	0.001446735	14.6106863	0.090287961	96.93341064	0.000582428	0.000582428	7.15149E-06	0.008880156	0.002877988	0.132676154	0.010825577	5.73165E-06	25.73816299	4.97167E-05	0.000179202	0.000423269	0.003848865
2112 Jan	173.8123322	0.021125976	0.019650215	0.001446756	14.61090469	0.09028925	96.93477631	0.000582436	0.000582436	7.1516E-06	0.008880286	0.002878029	0.132678032	0.010825751	5.73174E-06	25.73854446	4.97174E-05	0.000179205	0.000423275	0.003848919
2112 Feb	173.8192749	0.021126851	0.019651007	0.001446814	14.61149502	0.090292841	96.93862152	0.00058246	0.00058246	7.15188E-06	0.00888064	0.002878144	0.132683307	0.010826203	5.73197E-06	25.73958206	4.97194E-05	0.000179212	0.000423292	0.003849073
2112 Mar	173.8703918	0.021133082	0.019656787	0.001447239	14.61579514	0.090319388	96.96712494	0.000582631	0.000582631	7.15399E-06	0.008883251	0.002878991	0.132722303	0.010829397	5.73365E-06	25.74715805	4.9734E-05	0.000179265	0.000423417	0.003850204
2112 Apr	174.016861	0.021150896	0.019673349	0.001448459	14.62811089	0.090395465	97.04880524	0.000583122	0.000583122	7.16001E-06	0.008890735	0.002881416	0.132834107	0.010838525	5.73848E-06	25.76885223	4.97759E-05	0.000179416	0.000423774	0.003853448
2112 May	174.2432251	0.021178838	0.019687766	0.001449585	14.64577675	0.090500772	97.17284393	0.000583531	0.000583531	7.16749E-06	0.008901854	0.002885355	0.133003518	0.010857278	5.74414E-06	25.80533409	4.98411E-05	0.000179712	0.000424414	0.00385824
2112 Jun	172.6708221	0.020891545	0.019380299	0.001428869	14.4771204	0.089611977	96.34567261	0.000573843	0.000573843	7.08352E-06	0.008814815	0.002860626	0.131872088	0.010743045	5.67207E-06	25.56668663	4.9406E-05	0.000178109	0.000420697	0.003822534
2112 Jul	173.359848	0.020924792	0.019406661	0.00143177	14.51824665	0.089950889	96.75765228	0.000574422	0.000574422	7.10474E-06	0.008847545	0.002872479	0.132437378	0.01077162	5.68716E-06	25.66185379	4.96105E-05	0.000178749	0.000422307	0.003837643
2112 Aug	174.4077606	0.021024274	0.019494329	0.001438772	14.59653664	0.090484738	97.35900879	0.000576867	0.000576867	7.14345E-06	0.008899257	0.002890084	0.133261025	0.010828254	5.71699E-06	25.81299973	4.99131E-05	0.000179782	0.000424818	0.003860761
2112 Sep	174.62323	0.021022981	0.019483645	0.001438627	14.6037674	0.090585373	97.49786377	0.000576396	0.000576396	7.14737E-06	0.008908372	0.002893939	0.133451864	0.010832098	5.71881E-06	25.84048843	4.99779E-05	0.000179954	0.000425294	0.003865429
2112 Oct	174.5435486	0.02099889	0.019450862	0.001436657	14.58985329	0.090536483	97.46574402	0.00057533	0.00057533	7.14076E-06	0.0089032	0.002892812	0.133408323	0.010820852	5.71263E-06	25.82579803	4.99577E-05	0.000179838	0.000425067	0.003863598
2112 Nov	174.5716095	0.021000868	0.019450743	0.001436713	14.59126186	0.09055011	97.48297119	0.000575318	0.000575318	7.14147E-06	0.008904513	0.002893305	0.133431986	0.010821811	5.71308E-06	25.82960129	4.99661E-05	0.000179863	0.000425131	0.00386421
2112 Dec	174.5861816	0.021002688	0.019452365	0.001436834	14.59248543	0.09055768	97.4910965	0.000575366	0.000575366	7.14207E-06	0.008905261	0.002893547	0.133443117	0.010822724	5.71356E-06	25.83176422	4.99703E-05	0.000179878	0.000425166	0.003864533
2113 Jan	174.587677	0.021002905	0.019452535	0.001436846	14.59261608	0.090558454	97.49191284	0.000575371	0.000575371	7.14213E-06	0.008905337	0.002893572	0.133444235	0.010822828	5.71361E-06	25.8319912	4.99707E-05	0.00017988	0.00042517	0.003864565
2113 Feb	174.5939178	0.021003675	0.019453233	0.001436897	14.59314156	0.090561673	97.49538422	0.000575392	0.000575392	7.14239E-06	0.008905656	0.002893675	0.133448973	0.010823226	5.71382E-06	25.83292007	4.99725E-05	0.000179886	0.000425185	0.003864703
2113 Mar	174.671936	0.021013072	0.019461928	0.001437539	14.59966469	0.090602137	97.53894043	0.000575649	0.000575649	7.14558E-06	0.008909634	0.002894968	0.133508593	0.010828068	5.71637E-06	25.84446716	4.99948E-05	0.000179967	0.000425375	0.00386643
2113 Apr	174.8169556	0.021030525	0.01947809	0.001438733	14.6117878	0.090677366	97.61992645	0.000576127	0.000576127	7.15151E-06	0.008917033	0.002897372	0.133619443	0.010837062	5.72112E-06	25.86592865	5.00364E-05	0.000180116	0.000425729	0.00386964
2113 May	175.1112213	0.021064028	0.019500386	0.001440467	14.63462925	0.090820037	97.78395081	0.000576756	0.000576756	7.16186E-06	0.008931559	0.002902406	0.133843705	0.01085805	5.72905E-06	25.91132355	5.01211E-05	0.000180461	0.000426508	0.003875985
2113 Jun	174.737381	0.020968311	0.019385207	0.001433011	14.58346558	0.090582527	97.60076904	0.000573019	0.000573019	7.1355E-06	0.008908656	0.002896981	0.133593068	0.01082822	5.70526E-06	25.85420609	5.00218E-05	0.000180111	0.000425697	0.003867146
2113 Jul	175.8544312	0.021070993	0.019477371	0.001440428	14.66641331	0.091151111	98.24215698	0.000575612	0.000575612	7.17672E-06	0.008963896	0.002915784	0.134471565	0.010888575	5.73702E-06	26.01523399	5.03452E-05	0.000181212	0.000428375	0.003891798
2113 Aug	176.7492676	0.021146514	0.019543048	0.001445904	14.73030758	0.091604121	98.7607193	0.000577392	0.000577392	7.20851E-06	0.009007535	0.002930906	0.135181889	0.010934483	5.76114E-06	26.14311409	5.06045E-05	0.000182077	0.000430509	0.003911525
2113 Sep	176.7510681	0.021110987	0.019494468	0.001443223	14.71534824	0.091589399	98.78774261	0.000575737	0.000575737	7.2017E-06	0.009005087	0.00293133	0.135219827	0.010921229	5.75384E-06	26.13719368	5.06098E-05	0.000182007	0.000430444	0.003911428
2113 Oct	175.8845062	0.020981416	0.019339392	0.001432937	14.62596893	0.091123395	98.33208466	0.000570994	0.000570994	7.15835E-06	0.008958737	0.002917466	0.134597614	0.010853242	5.71707E-06	26.00258064	5.03682E-05	0.000181044	0.000428251	0.003892073
2113 Nov	175.7543945	0.020966414	0.019314185	0.001431319	14.61243629	0.091053814	98.2634201	0.000570263	0.000570263	7.15173E-06	0.008952001	0.002915414	0.134504139	0.010843273	5.71144E-06	25.98257828	5.03322E-05	0.000180905	0.00042792	0.003889155
2113 Dec	175.7699432	0.020968389	0.019315891	0.001431447	14.61373806	0.091061883	98.2720871	0.000570314	0.000570314	7.15237E-06	0.008952799	0.002915672	0.134516016	0.010844248	5.71195E-06	25.98488426	5.03366E-05	0.000180921	0.000427958	0.003889499
2114 Jan	175.7737274	0.020968892	0.01931631	0.001431478	14.61405945	0.091063842	98.27417755	0.000570327	0.000570327	7.15252E-06	0.008952993	0.002915734	0.134518862	0.010844496	5.71207E-06	25.98545265	5.03377E-05	0.000180925	0.000427967	0.003889582
2114 Feb	175.7763672	0.020969233	0.019316604	0.001431499	14.61428452	0.091065191	98.2756424	0.000570335	0.000570335	7.15263E-06	0.008953128	0.002915778	0.134520859	0.010844676	5.71216E-06	25.98585129	5.03385E-05	0.000180928	0.000427974	0.003889641
2114 Mar	175.8174438	0.02097415	0.019321123	0.001431833	14.61770344	0.091086462	98.29859161	0.000570469	0.000570469	7.1543E-06	0.00895522	0.00291646	0.134552285	0.010847218	5.71349E-06	25.99193001	5.03502E-05	0.00018097	0.000428074	0.003890549
2114 Apr	175.9214478	0.020986566	0.019332554	0.001432681	14.62635326	0.091140345	98.35673523	0.000570806	0.000570806	7.15853E-06	0.008960517	0.002918185	0.134631872	0.010853641	5.71687E-06	26.00730896	5.038E-05	0.000181077	0.000428327	0.003892851
2114 May	175.9378967	0.020980559	0.019314231	0.001431537	14.62346745	0.091132663	98.36869049	0.000570182	0.000570182	7.156E-06	0.008960308	0.002918718	0.134647846	0.01085691	5.71415E-06	26.01158524	5.03861E-05	0.000181144	0.00042845	0.003892963
2114 Jun	176.3448334	0.020993769	0.019306215	0.001431693	14.64325523	0.091311254	98.61364746	0.000569708	0.000569708	7.16459E-06	0.008978284	0.002926032	0.134983137	0.0108781	5.71906E-06	26.07094002	5.0508E-05	0.000181596	0.000429524	0.003901542
2114 Jul	177.8620758	0.021149132	0.019446934	0.001442604	14.76092529	0.092088081	99.47638702	0.000573737	0.000573737	7.22265E-06	0.00905411	0.002951422	0.136164501	0.010964344	5.76443E-06	26.29171944	5.09456E-05	0.000183116	0.000433184	0.003935052
2114 Aug	179.3384552	0.021308884	0.019591527	0.001453645	14.87805271	0.092847027	100.3115082	0.00057792	0.00057792	7.28021E-06	0.009128268	0.002976062	0.137307897	0.011050542	5.80972E-06	26.5076828	5.137E-05	0.000184608	0.000436756	0.003967676
2114 Sep	179.2407074	0.021259895	0.019527774	0.001449938	14.85369968	0.092780031	100.2846222	0.000575821	0.000575821	7.26884E-06	0.009120638	0.002974877	0.137272343	0.01103026	5.79864E-06	26.4866848	5.13471E-05	0.000184433	0.000436441	0.00396536
2114 Oct	178.8209686	0.021189086	0.019439651	0.001444241	14.80642033	0.092550308	100.0708008	0.000573085	0.000573085	7.24603E-06	0.009097575	0.002968266	0.136980623	0.01099376	5.77888E-06	26.41982841	5.12315E-05	0.000183946	0.00043536	0.003955952
2114 Nov	178.3692932	0.021126963	0.019363804	0.001439169	14.76152802	0.092309505	99.83027649	0.000570799	0.000570799	7.2242E-06	0.00907378	0.002961003	0.136652172	0.01095988	5.76054E-06	26.35041428	5.1105E-05	0.000183454	0.000434223	0.003945877
2114 Dec	178.3632813	0.021126268	0.019362379	0.001439081	14.76083565	0.092306241	99.82720947	0.000570757	0.000570757	7.22386E-06	0.009073466	0.002960911	0.136648014	0.010959369	5.76024E-06	26.34946823	5.11034E-05	0.000183447	0.000434207	0.003945741
2115 Jan	178.3680725	0.0211269	0.019362902	0.00143912	14.76124096	0.092308715	99.82985687	0.000570773	0.000570773	7.22406E-06	0.009073711	0.00296099	0.13665165	0.010959683	5.7604E-06	26.3501873	5.11048E-05	0.000183453	0.000434219	0.003945848
2115 Feb	178.3742523	0.021127664	0.019363578	0.001439169	14.7617588	0.092311889	99.83329773	0.000570793	0.000570793	7.2243E-06	0.009074025	0.002961093	0.136656344	0.010960082	5.7606E-06	26.35111046	5.11065E-05	0.000183459	0.000434234	0.003945983
2115 Mar	178.3959045	0.021130251	0.019365937	0.001439344	14.76355743	0.092323095	99.84541321	0.000570863	0.000570863	7.22518E-06	0.009075128	0.002961453	0.136672929	0.010961425	5.7613E-06	26.35431862	5.11127E-05	0.000183481	0.000434287	0.003946463

Appendix D.2-19: WES04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2115 Apr	178.5405731	0.021147396	0.01938164	0.001440511	14.77553177	0.092397951	99.92637634	0.000571326	0.000571326	7.23104E-06	0.009082486	0.002963854	0.136783749	0.01097032	5.76597E-06	26.37569237	5.11542E-05	0.00018363	0.000434639	0.003949663
2115 May	178.6391602	0.021149626	0.019370981	0.001439959	14.77898312	0.092432372	99.98519135	0.000570917	0.000570917	7.23164E-06	0.009086357	0.002965758	0.136863872	0.010978121	5.76569E-06	26.3918457	5.11839E-05	0.000183778	0.000434959	0.003951591
2115 Jun	179.4660797	0.021233138	0.019433951	0.001444981	14.84100914	0.092841364	100.4542465	0.000572659	0.000572659	7.261E-06	0.009127054	0.002979803	0.13750574	0.011029433	5.78812E-06	26.51502419	5.14232E-05	0.00018467	0.000437047	0.003969608
2115 Jul	180.8513794	0.021366255	0.019553212	0.001454431	14.9455204	0.093547873	101.247139	0.000576019	0.000576019	7.31269E-06	0.009195684	0.003003069	0.138591439	0.011105653	5.82813E-06	26.7154026	5.18232E-05	0.00018604	0.000440378	0.00400019
2115 Aug	180.7918091	0.021291269	0.019473415	0.001449907	14.91728592	0.093494207	101.2540894	0.000573334	0.000573334	7.30001E-06	0.009188423	0.003002709	0.138602465	0.011081391	5.8152E-06	26.69691658	5.18125E-05	0.000185861	0.000440127	0.003998694
2115 Sep	181.0079651	0.021287426	0.019459751	0.001449616	14.92378998	0.093594953	101.3944702	0.000572785	0.000572785	7.30361E-06	0.009197451	0.003006611	0.138795778	0.011084687	5.81668E-06	26.72429085	5.18775E-05	0.000186032	0.000440598	0.00400336
2115 Oct	181.0141754	0.021276763	0.019441633	0.001448635	14.91858578	0.093592301	101.4077682	0.000572173	0.000572173	7.30124E-06	0.009196897	0.003006866	0.138814315	0.011080041	5.81407E-06	26.72289085	5.18813E-05	0.000186011	0.000440587	0.004003447
2115 Nov	180.8042603	0.021248708	0.019404072	0.001446164	14.89719391	0.09348008	101.2967224	0.00057105	0.00057105	7.29083E-06	0.009185852	0.003003514	0.138662815	0.011063935	5.80527E-06	26.69049835	5.18228E-05	0.000185782	0.000440055	0.003998757
2115 Dec	180.8080597	0.021249156	0.01940362	0.00144615	14.89728832	0.093481861	101.2991714	0.00057037	0.00057037	7.29088E-06	0.009186035	0.003003585	0.138666213	0.011064007	5.80528E-06	26.69099426	5.1824E-05	0.000185785	0.000440063	0.003998837
2116 Jan	180.812851	0.021249792	0.019404143	0.001446188	14.89769459	0.093484342	101.3018417	0.00057053	0.00057053	7.29108E-06	0.009186281	0.003003665	0.138669878	0.011064323	5.80544E-06	26.69171524	5.18254E-05	0.00018579	0.000440075	0.003998943
2116 Feb	180.825058	0.021251265	0.01940546	0.001446286	14.89878034	0.09349063	101.3086624	0.00057092	0.00057092	7.29157E-06	0.0091869	0.003003869	0.138679191	0.011065091	5.80583E-06	26.69353104	5.18289E-05	0.000185803	0.000440105	0.003999213
2116 Mar	180.8486938	0.021254063	0.019408001	0.001446475	14.90066051	0.093502834	101.3218842	0.00057166	0.00057166	7.29252E-06	0.009188101	0.003004261	0.138697296	0.011066549	5.80659E-06	26.6970253	5.18356E-05	0.000185828	0.000440162	0.003999735
2116 Apr	180.98526	0.021270124	0.019422658	0.001447567	14.91191483	0.093573444	101.3983917	0.00057159	0.00057159	7.29803E-06	0.009195039	0.00300653	0.138802022	0.011074913	5.81098E-06	26.71718979	5.18748E-05	0.000185968	0.000440495	0.004002756
2116 May	181.1904144	0.021297446	0.019438328	0.001448745	14.92867088	0.093670368	101.5097275	0.00057206	0.00057206	7.30521E-06	0.009205282	0.003010075	0.138954118	0.011092273	5.81653E-06	26.7503891	5.19336E-05	0.000186237	0.000441073	0.004007115
2116 Jun	179.959671	0.021076294	0.019201349	0.001432683	14.7981348	0.092973605	100.8590775	0.00056458	0.00056458	7.23984E-06	0.00913721	0.0029907	0.138063744	0.01100526	5.76053E-06	26.5648632	5.15923E-05	0.000185001	0.000438192	0.00397914
2116 Jul	181.4282837	0.021220079	0.019329932	0.001442824	14.90959835	0.093721904	101.6977386	0.00056236	0.00056236	7.295E-06	0.009210386	0.00301534	0.139212504	0.011086871	5.80334E-06	26.77769852	5.20175E-05	0.000186469	0.000441728	0.004011536
2116 Aug	182.6611633	0.021345092	0.01944042	0.001451468	15.00422668	0.094351985	102.4005127	0.00057374	0.00057374	7.34159E-06	0.009271723	0.003035999	0.140174925	0.011156138	5.83958E-06	26.95681	5.23729E-05	0.000187701	0.000444699	0.004038742
2116 Sep	182.3282928	0.021265091	0.019344188	0.001445482	14.9582262	0.094161227	102.2460175	0.00056828 2	0.00056828 2	7.31971E-06	0.009251836	0.003030959	0.139964685	0.011119261	5.81984E-06	26.90004921	5.22836E-05	0.00018727	0.000443799	0.004031216
2116 Oct	181.7746887	0.021190694	0.019244233	0.001438919	14.90151596	0.093865201	101.9537735	0.00056529 1	0.00056529 1	7.29215E-06	0.009222674	0.003022125	0.139566019	0.011076417	5.7965E-06	26.81443787	5.21294E-05	0.000186662	0.000442393	0.004018846
2116 Nov	181.7967834	0.021194585	0.019242987	0.001438917	14.90252781	0.093876116	101.9672775	0.00056526 7	0.00056526 7	7.29263E-06	0.009223823	0.003022529	0.13958472	0.011077262	5.79679E-06	26.81752777	5.21362E-05	0.000186685	0.000442442	0.004019321
2116 Dec	181.8011627	0.021195175	0.019243451	0.001438952	14.90289116	0.093878388	101.9697037	0.00056528 1	0.00056528 1	7.29281E-06	0.009224049	0.003022602	0.139588058	0.011077539	5.79693E-06	26.81817818	5.21374E-05	0.000186689	0.000442452	0.004019418
2117 Jan	181.8024597	0.021195374	0.019243592	0.001438963	14.90300655	0.093879059	101.9704285	0.00056528 6	0.00056528 6	7.29286E-06	0.009224117	0.003022624	0.139589041	0.011077633	5.79697E-06	26.81838226	5.21378E-05	0.000186691	0.000442456	0.004019446
2117 Feb	181.8038025	0.021195553	0.019243738	0.001438973	14.90312099	0.093879737	101.9711609	0.00056529	0.00056529	7.29292E-06	0.009224185	0.003022646	0.13959004	0.011077728	5.79701E-06	26.81858635	5.21382E-05	0.000186692	0.000442459	0.004019476
2117 Mar	181.8336945	0.021199051	0.019246906	0.00143921	14.90557384	0.093895167	101.987915	0.00056538 3	0.00056538 3	7.29411E-06	0.009225701	0.003023143	0.139612988	0.011079556	5.79797E-06	26.82299995	5.21467E-05	0.000186723	0.000442532	0.004020136
2117 Apr	182.0117188	0.021219814	0.01926575	0.001440619	14.92016888	0.093987085	102.0877686	0.00056593 6	0.00056593 6	7.30126E-06	0.009234733	0.003026103	0.139749646	0.011090408	5.80364E-06	26.84926224	5.21978E-05	0.000186906	0.000442965	0.004024072
2117 May	182.34375	0.021253835	0.019288421	0.001442449	14.94481945	0.094148174	102.2754288	0.00056654 9	0.00056654 9	7.31258E-06	0.009250928	0.003031788	0.140006304	0.011112299	5.8122E-06	26.89953423	5.22938E-05	0.00018728	0.000443828	0.0040315 25
2117 Jun	182.6341705	0.021260334	0.019275736	0.001442123	14.95748043	0.094269931	102.4510345	0.00056598 4	0.00056598 4	7.31763E-06	0.009263455	0.003037101	0.1402466	0.011128303	5.81461E-06	26.94258308	5.23815E-05	0.000187622	0.000444624	0.004037283
2117 Jul	184.0320435	0.021400016	0.019400444	0.001451906	15.06450653	0.094984017	103.2480011	0.00056954	0.00056954	7.37046E-06	0.00933308	0.003060547	0.141337961	0.011206907	5.8557E-06	27.14562988	5.27849E-05	0.000189019	0.000447994	0.004068139
2117 Aug	184.9024658	0.021471146	0.019460617	0.00145702	15.12555981	0.095423095	103.7542038	0.000571141	0.000571141	7.40083E-06	0.009375322	0.003075284	0.142031431	0.011250693	5.87858E-06	27.2696476	5.30374E-05	0.000189858	0.000450066	0.004087307
2117 Sep	185.2820282	0.021493271	0.01947277	0.001458466	15.14781189	0.095609866	103.9825897	0.000571351	0.000571351	7.41204E-06	0.009393025	0.003081814	0.142344519	0.01126578	5.88639E-06	27.32187462	5.31491E-05	0.000190203	0.000450949	0.004095626
2117 Oct	185.0425415	0.021453457	0.019419922	0.00145509	15.12018871	0.095478579	103.8616562	0.000569719	0.000569719	7.39873E-06	0.009379865	0.003078065	0.142179683	0.011244368	5.8748E-06	27.28347588	5.30835E-05	0.000189923	0.000450326	0.004090254
2117 Nov	184.9773254	0.021442242	0.01940487	0.001454134	15.11246681	0.095442623	103.829071	0.000569252	0.000569252	7.39501E-06	0.009376251	0.003077049	0.142135262	0.011238361	5.87155E-06	27.27293777	5.30657E-05	0.000189845	0.000450155	0.004088789
2117 Dec	184.9851532	0.021442926	0.019405173	0.001454168	15.11295509	0.095446512	103.8337021	0.00056926	0.00056926	7.39525E-06	0.009376628	0.003077183	0.142141625	0.011238708	5.87172E-06	27.27403259	5.3068E-05	0.000189853	0.000450173	0.00408896
2118 Jan	184.9886627	0.021443399	0.019405548	0.001454196	15.11325264	0.095448323	103.8356552	0.000569271	0.000569271	7.3954E-06	0.009376808	0.003077242	0.142144307	0.011238942	5.87184E-06	27.27456474	5.3069E-05	0.000189856	0.000450182	0.004089038
2118 Feb	184.9933167	0.021443972	0.019406043	0.001454232	15.11363983	0.095450707	103.8382492	0.000569285	0.000569285	7.39558E-06	0.009377044	0.00307732	0.142147839	0.011239245	5.87198E-06	27.27526093	5.30703E-05	0.000189861	0.000450194	0.00408914
2118 Mar	185.0088501	0.021445792	0.019407677	0.001454355	15.11491394	0.095458716	103.846962	0.000569333	0.000569333	7.3962E-06	0.009377832	0.003077578	0.14215976	0.011240198	5.87248E-06	27.27755737	5.30748E-05	0.000189877	0.000450232	0.004089484
2118 Apr	185.124939	0.02145974	0.019419407	0.001455226	15.12442875	0.095517747	103.9118042	0.000569671	0.000569671	7.40073E-06	0.009383651	0.003079518	0.142248422	0.011247716	5.87605E-06	27.29495621	5.31079E-05	0.000190001	0.000450522	0.004092033
2118 May	184.9698486	0.021433063	0.01937378	0.001452092	15.10618114	0.095411584	103.8265839	0.000568201	0.000568201	7.38973E-06	0.009374206	0.003077342	0.142130896	0.011243765	5.86628E-06	27.2760334	5.30649E-05	0.000189935	0.000450296	0.004088185
2118 Jun	184.0283356	0.021252779	0.01917986	0.001439027	15.00247383	0.094871506	103.3352051	0.000561993	0.000561993	7.33763E-06	0.009321093	0.003062624	0.141458079	0.011174717	5.82123E-06	27.13306046	5.28046E-05	0.000188978	0.0004481	0.004066717
2118 Jul	185.7105865	0.021431278	0.019339623	0.001451328	15.13449478	0.095733389	104.2884521	0.000566606	0.000566606	7.40255E-06	0.009405498	0.003090755	0.142763376	0.011272358	5.87213E-06	27.37891006	5.32893E-05	0.000190681	0.000452173	0.004103855
2118 Aug	186.1034698	0.021425242	0.019324915	0.001451323	15.14874268	0.095918551	104.5401077	0.000565895	0.000565895	7.41036E-06	0.00942212	0.003097754	0.143109083	0.011280106	5.87614E-06	27.42926407	5.34069E-05	0.000190992	0.000453045	0.0041124
2118 Sep	185.3252716	0.021290649	0.019172018	0.00144133	15.0636673	0.095496535	104.1400299	0.000561143	0.000561143	7.36946E-06	0.009379419	0.003085398	0.142563269	0.011213819	5.84098E-06	27.30582809	5.31906E-05	0.000190094	0.000451041	0.004095
2118 Oct	184.6408081	0.021196315	0.019057676	0.001433683	14.99563122	0.095132388	103.7759857	0.000557691	0.000557691	7.33646E-06	0.009343355	0.003074377	0.142066136	0.011161965	5.81325E-06	27.20033264	5.2999E-05	0.000189341	0.000449311	0.004079751
2118 Nov	184.5131073	0.021178564	0.01903451	0.001432161	14.98245716	0.095064051	103.7088089	0.000556993	0.000556993	7.33008E-06	0.009336594	0.003072338	0.141974479	0.011151919	5.80783E-06	27.1804924	5.29635E-05	0.000189199	0.000448986	0.004076899
2118 Dec	184.52565	0.021180082	0.019035758	0.001432257	14.98347092	0.095070519	103.7158585	0.00055703	0.00055703	7.33057E-06	0.009337232	0.003072547	0.14198415	0.011152679	5.80823E-06	27.18234444	5.29671E-05	0.000189212	0.000449016	0.004077177
2119 Jan	184.530365	0.021180676	0.01903625	0.001432293	14.98386192	0.095072955	103.7184982	0.000557045	0.000557045	7.33076E-06	0.009337474	0.003072626	0.141987756	0.011152981	5.80838E-06	27.18304825	5.29684E-05	0.000189217	0.000449028	0.004077281
2119 Feb	184.537796	0.021181559	0.019037023	0.001432351	14.98447037	0.095076762	103.7226563	0.000557067	0.000557067	7.33106E-06	0.009337848	0.00307275	0.141993448	0.011153446	5.80861E-06	27.1841507	5.29705E-05	0.000189225	0.000449046	0.004077444
2119 Mar	184.5913391	0.021187717	0.01904255	0.001432766	14.98882198	0.095104337	103.7527313	0.000557229	0.000557229	7.33318E-06	0.009340558	0.003073641	0.14203462	0.01115669	5.8103E-06	27.1920433	5.29859E-05	0.00018928	0.000449177	0.004078627
2119 Apr	184.8244019	0.021216838	0.019065062	0.001434421	15.00798702	0.095220976	103.8822479	0.000557862	0.000557862	7.34202E-06	0.009352107	0.003077558	0.142211452	0.011172809	5.81723E-06	27.22760201	5.30521E-05	0.000189539	0.000449778	0.004083714
2119 May	184.3104248	0.021149544	0.018966883	0.001427327	14.95852661	0.094911747	103.5946274	0.000554671	0.000554671	7.31356E-06	0.009322814	0.003069623	0.141814873	0.011152821	5.79296E-06	27.15957642	5.29041E-05	0.000189169	0.000448812	0.004071647
2119 Jun	184.2691193	0.021092582	0.018903458	0.001423587	14.93694401	0.094862096	103.5999298	0.000552478	0.000552478	7.30316E-06	0.009317382	0.003069459	0.141822577	0.0111377	5.78237E-06	27.14788437	5.28995E-05	0.000189081	0.000448699	0.004070451
2119 Jul	185.8246002	0.021249589	0.019042429	0.001434474	15.05618954	0.095655389	104.4859238	0.000556446	0.000556446	7.36196E-06	0.009395032	0.003095541	0.143036023	0.011225635	5.82812E-06	27.37410355	5.33491E-05	0.000190646	0.000452456	0.004104757
2119 Aug	186.7679291	0.021317111	0.019095438	0.001439338	15.11862469	0.096127279	105.0408936	0.000557765	0.000557765	7.39314E-06	0.009440124	0.00311161	0.143796712	0.011269791	5.85107E-06	27.50703239	5.36237E-05	0.00019154	0.000454684	0.004125486
2119 Sep	186.4821625	0.021250535	0.01901833	0.001434522	15.08084869	0.095966265	104.9053116	0.000555315	0.000555315	7.37521E-06	0.00942331	0.003107245	0.143612444	0.011239476	5.83504E-06	27.4589386	5.35461E-05	0.000191178	0.000453914	0.004119039
2119 Oct	186.0547485	0.021185879	0.018940834	0.001429404	15.03629589	0.095736831	104.6817932	0.000552938	0.000552938	7.35371E-06	0.009400401	0.003100404	0.143307254	0.011205019	5.81676E-06	27.39204788	5.34271E-05	0.000190695	0.000452822	0.004109507
2119 Nov	185.8596497	0.021158835	0.018908696	0.001427248	15.01699162	0.095633179	104.5779266	0.000551966	0.000551966	7.34435E-06	0.00939012	0.003097257	0.14316541	0.011190247	5.80891E-06	27.36196899	5.33724E-05	0.00019048	0.000452329	0.004105163
2119 Dec	185.8722534	0.021160366	0.01890998	0.001427345	15.01801872	0.095639683	104.5850067	0.000552004	0.000552004	7.34486E-06	0.009390763	0.003097467	0.143175095	0.011191019	5.80931E-06	27.36383057	5.33761E-05	0.000190493	0.00045236	0.004105442

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	2.8E-06	7.3E-11	2.4E-05	5.9E-05	1.5E-06	2.2E-09	9.2E-05	1.9E-08	1.0E-07	7.0E-09	1.7E-09	9.5E-10	2.3E-06	1.5E-11	7.3E-10	1.5E-08	1.1E-08	2.0E-03
Operations (2020-2043): Mean	2.5E-02	4.3E-05	7.9E+00	2.2E+01	2.1E-01	3.0E-03	1.2E+02	2.8E-02	2.7E-03	5.1E-05	4.5E-03	1.5E-03	9.5E-01	1.8E-06	1.3E-03	2.2E-03	3.1E-03	9.6E-03
Operations (2020-2043): Max	3.0E-02	4.9E-05	9.0E+00	2.5E+01	2.4E-01	0.00341	2.3E+02	3.2E-02	2.9E-03	8.2E-05	5.2E-03	1.7E-03	1.1E+00	2.0E-06	1.5E-03	2.5E-03	3.5E-03	1.1E-02
Active Closure (2044-2050): Min	1.4E-02	5.4E-06	1.7E+00	3.5E+00	2.7E-02	4.1E-04	5.2E+00	3.6E-03	2.8E-03	3.5E-05	5.3E-04	2.1E-04	1.3E-01	1.8E-06	1.6E-04	3.1E-04	1.1E-03	1.1E-03
Active Closure (2044-2050): Mean	1.5E-02	1.0E-05	2.5E+00	5.8E+00	4.9E-02	7.2E-04	1.2E+01	6.5E-03	4.1E-03	4.1E-05	1.0E-03	3.7E-04	2.3E-01	2.0E-06	2.9E-04	5.4E-04	1.3E-03	2.1E-03
Active Closure (2044-2050): Max	3.3E-02	4.4E-05	8.5E+00	2.3E+01	2.2E-01	3.1E-03	6.8E+01	2.9E-02	4.9E-03	6.7E-05	4.6E-03	1.6E-03	9.9E-01	2.9E-06	1.3E-03	2.3E-03	3.6E-03	9.6E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	1.4E-02	5.5E-06	1.7E+00	3.5E+00	2.7E-02	4.1E-04	5.1E+00	3.6E-03	4.0E-03	3.9E-05	5.4E-04	2.1E-04	1.3E-01	2.0E-06	1.59E-04	3.07E-04	1.07E-03	1.07E-03
Post Closure (2051-2119): Mean	2.2E-02	1.6E-05	3.4E+00	8.7E+00	7.9E-02	1.1E-03	5.6E+00	1.0E-02	4.1E-03	5.8E-05	1.6E-03	5.7E-04	3.6E-01	2.0E-06	4.67E-04	8.55E-04	1.69E-03	3.35E-03
Post Closure (2051-2119): Max	2.8E-02	2.5E-05	4.9E+00	1.3E+01	1.2E-01	1.7E-03	6.0E+00	1.6E-02	4.3E-03	7.3E-05	2.5E-03	8.6E-04	5.5E-01	2.1E-06	7.19E-04	1.30E-03	2.19E-03	5.21E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2119)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	2.77644E-06	7.30642E-11	2.44034E-05	5.90359E-05	1.49782E-06	2.15539E-09	9.16956E-05	1.89967E-08	1.0229E-07	6.98494E-09	1.68048E-09	9.49835E-10	2.2723E-06	1.46128E-11	7.30642E-10	1.53435E-08	1.1325E-08	0
2024 Feb	1.35353E-05	3.56193E-10	0.000118968	0.000287804	7.30195E-06	1.05077E-08	0.000447022	9.26101E-08	4.9867E-07	3.4052E-08	8.19243E-09	4.63051E-09	1.10776E-05	7.12385E-11	3.56193E-09	7.48005E-08	5.52099E-08	0
2024 Mar	2.62158E-05	6.89889E-10	0.000230423	0.00055743	1.41427E-05	2.03517E-08	0.000865811	1.79371E-07	9.65845E-07	6.59534E-08	1.58675E-08	8.96856E-09	2.14556E-05	1.37978E-10	6.89889E-09	1.44877E-07	1.06933E-07	0
2024 Apr	3.78737E-05	9.96677E-10	0.00033289	0.000805315	2.04319E-05	2.9402E-08	0.00125083	2.59136E-07	1.39535E-06	9.52824E-08	2.29236E-08	1.29568E-08	3.09967E-05	1.99335E-10	9.96677E-09	2.09302E-07	1.54485E-07	0
2024 May	0.010631207	9.26641E-06	1.724505663	4.810328007	0.048069354	0.000636967	45.19047165	0.005952755	0.000779875	3.555E-05	0.000964896	0.000323536	0.206094757	4.14227E-07	0.000272696	0.000503416	0.000692489	0.001995305
2024 Jun	0.028870514	3.65339E-05	6.764989853	18.9287014	0.185051575	0.002532534	180.0129089	0.023671886	0.002528635	8.1841E-05	0.003842301	0.00128431	0.812156141	1.56021E-06	0.001084972	0.001934623	0.002684643	0.007967812
2024 Jul	0.030470755	4.33736E-05	8.022237778	22.46445274	0.218398273	0.003013472	214.2787476	0.028165303	0.002838551	8.00403E-05	0.004572641	0.001527451	0.964201391	1.83023E-06	0.001291093	0.002280948	0.00317035	0.009490116
2024 Aug	0.028687216	4.65987E-05	8.617348671	24.15254784	0.233611196	0.003249661	231.0088196	0.030347934	0.002847664	6.9072E-05	0.004926282	0.00164536	1.037013412	1.93698E-06	0.001391357	0.002433686	0.003377173	0.010236478
2024 Sep	0.024469892	4.45064E-05	8.22437191	23.06103325	0.221856996	0.003115868	221.0187683	0.029023459	0.002641813	5.01774E-05	0.004709338	0.001572933	0.990413487	1.83545E-06	0.001331384	0.002307314	0.003201709	0.009797024
2024 Oct	0.02446538	4.43221E-05	8.185385704	22.94625854	0.220509604	0.003104544	219.9091492	0.028878152	0.002688079	4.75217E-05	0.004684649	0.001564843	0.985488057	1.83451E-06	0.001325136	0.002293576	0.003186856	0.009747222
2024 Nov	0.024704486	4.41813E-05	8.155858994	22.85774231	0.219576418	0.003094651	219.0149078	0.028762262	0.002728958	4.68355E-05	0.00466512	0.001558466	0.98167485	1.83549E-06	0.001320051	0.00228426	0.003177649	0.009706809
2024 Dec	0.024731236	4.42249E-05	8.163856506	22.88008499	0.219788685	0.003097719	219.2286682	0.028790345	0.002732358	4.68594E-05	0.004669662	0.001559986	0.982634246	1.83739E-06	0.001321345	0.002286473	0.003180779	0.009716275
2025 Jan	0.024754129	4.4222E-05	8.163348198	22.87849617	0.219778895	0.003097491	219.2093658	0.028787889	0.002733636	4.69022E-05	0.004669244	0.001559851	0.982564032	1.83747E-06	0.001321234	0.002286377	0.003180642	0.009715378
2025 Feb	0.024782449	4.42293E-05	8.164786339	22.88244438	0.219825089	0.003097974	219.2430115	0.028792368	0.002734952	4.69711E-05	0.004669958	0.001560093	0.982731342	1.83788E-06	0.001321438	0.002286855	0.003181219	0.009716833
2025 Mar	0.024805361	4.42466E-05	8.168029785	22.89148903	0.219916478	0.003099171	219.3273773	0.028803481	0.002736493	4.70229E-05	0.004671754	0.001560695	0.983118534	1.83865E-06	0.001321948	0.002287805	0.003182491	0.009720552
2025 Apr	0.024864895	4.43393E-05	8.18517971	22.93952942	0.220380545	0.003105658	219.7863464	0.028863775	0.002742499	4.71405E-05	0.004681529	0.001563962	0.985180974	1.84254E-06	0.001324715	0.002292632	0.003189178	0.009740883

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.025766121	4.59401E-05	8.480690002	23.7677021	0.228337988	0.003217773	227.7205658	0.029905759	0.002841647	4.8853E-05	0.004850531	0.001620421	1.020748019	1.90907E-06	0.001372537	0.002375414	0.003304324	0.01009252
2025 Jun	0.025335012	4.41331E-05	8.122233391	22.74451828	0.21857807	0.003072216	204.2427368	0.028637834	0.002817517	4.71594E-05	0.004650556	0.001551406	0.976856828	1.85955E-06	0.001313816	0.002285357	0.003217253	0.009660111
2025 Jul	0.026445897	4.75863E-05	8.755186081	24.52763748	0.235533223	0.003309094	206.4037781	0.030906737	0.002939343	4.8991E-05	0.005019371	0.001674345	1.053512573	1.99564E-06	0.001417352	0.002457857	0.003458897	0.010429008
2025 Aug	0.025028586	4.87468E-05	8.993457794	25.225317	0.242118463	0.003405754	211.9815979	0.031797562	0.002797929	4.73589E-05	0.005162106	0.001722919	1.083552003	2.00493E-06	0.001458128	0.002517851	0.003508567	0.01073794
2025 Sep	0.022948364	4.61263E-05	8.521557808	23.91127205	0.229396179	0.003233159	200.783371	0.030138569	0.00260131	4.27658E-05	0.004891362	0.001633059	1.027117014	1.88293E-06	0.00138244	0.002383574	0.003306051	0.010180432
2025 Oct	0.022589486	4.38044E-05	8.08866024	22.68630409	0.217518479	0.003072683	190.3312073	0.028578999	0.002581528	4.01413E-05	0.00463638	0.001548361	0.974436522	1.80043E-06	0.001311539	0.002261121	0.003139631	0.009650937
2025 Nov	0.022633543	4.32891E-05	7.991383553	22.40904808	0.214824006	0.003036633	187.9564514	0.028224604	0.002591258	3.96174E-05	0.004578298	0.001529101	0.962510228	1.78449E-06	0.001295459	0.002233467	0.003103515	0.009530134
2025 Dec	0.022659838	4.33141E-05	7.995884895	22.42147064	0.214941889	0.003038366	188.0589905	0.028240055	0.002594379	3.96417E-05	0.004580783	0.001529936	0.963043153	1.78575E-06	0.001296175	0.002234707	0.003105362	0.009535301
2026 Jan	0.022676019	4.33152E-05	7.996108532	22.42199135	0.214950338	0.003038429	188.0611725	0.028240422	0.002595381	3.96717E-05	0.00458083	0.001529954	0.963064253	1.78593E-06	0.001296193	0.002234799	0.003105489	0.009535382
2026 Feb	0.022691678	4.3316E-05	7.996305943	22.42249298	0.214960337	0.003038465	188.0631256	0.028240746	0.002595972	3.97109E-05	0.004580875	0.001529972	0.9630844	1.78602E-06	0.001296207	0.002234902	0.003105576	0.009535455
2026 Mar	0.022723984	4.33617E-05	8.004787445	22.4462471	0.215190902	0.003041666	188.2611389	0.028270494	0.002599012	3.97739E-05	0.004585696	0.001531583	0.964103878	1.78794E-06	0.001297572	0.002237298	0.003108876	0.009545481
2026 Apr	0.022838609	4.35714E-05	8.043506622	22.55480385	0.216233239	0.003056366	189.1709137	0.028407121	0.002611748	3.99783E-05	0.004607855	0.001538985	0.968766034	1.79661E-06	0.001303843	0.002248135	0.003123916	0.009591601
2026 May	0.023686659	4.43975E-05	8.19695282	22.98319435	0.220478311	0.00311338	192.3899994	0.0289391	0.00267785	4.26583E-05	0.00469409	0.001567878	0.98712939	1.83305E-06	0.001328224	0.002292535	0.003185173	0.009770163
2026 Jun	0.027768085	4.20444E-05	7.754751682	21.70618057	0.209896863	0.00292333	168.9181976	0.027255893	0.00279992	6.31362E-05	0.004424434	0.001477323	0.931892276	1.78382E-06	0.001250178	0.002193974	0.003071869	0.009185881
2026 Jul	0.026784856	4.3114E-05	7.95161438	22.2691021	0.214944541	0.003000451	170.6159973	0.027993323	0.002769361	5.8738E-05	0.004545089	0.001517124	0.956193507	1.81501E-06	0.001283889	0.002245524	0.003142575	0.009439251
2026 Aug	0.026080901	4.38546E-05	8.091227531	22.67050934	0.21855551	0.003055971	172.1911469	0.028515385	0.002733804	5.59993E-05	0.004629513	0.001545377	0.973511696	1.83342E-06	0.001307777	0.002280112	0.003184507	0.009619107
2026 Sep	0.025671339	4.41415E-05	8.146564484	22.83088493	0.219984144	0.003078639	172.7698975	0.028724516	0.002711852	5.45558E-05	0.004663324	0.001556693	0.980435431	1.83856E-06	0.001317382	0.002293829	0.003199692	0.009691524
2026 Oct	0.025111677	4.37951E-05	8.083530426	22.6567688	0.218176618	0.003056888	170.825058	0.02850963	0.002676658	5.24249E-05	0.004628021	0.001544992	0.972981155	1.82078E-06	0.001307642	0.002274145	0.003169982	0.009620126
2026 Nov	0.025147352	4.38447E-05	8.092632294	22.68216896	0.218420565	0.003060343	171.0158081	0.028541487	0.002680582	5.24849E-05	0.00463318	0.001546717	0.974071681	1.82298E-06	0.001309106	0.002276696	0.003173605	0.009630849
2026 Dec	0.025152504	4.38507E-05	8.093719482	22.68518639	0.218449473	0.003060757	171.0383911	0.02854526	0.00268116	5.24922E-05	0.00463379	0.001546921	0.974201262	1.82326E-06	0.00130928	0.002276999	0.003174044	0.009632115
2027 Jan	0.02515487	4.38511E-05	8.093797684	22.68539429	0.218451917	0.003060783	171.0396729	0.028545478	0.002681313	5.24966E-05	0.004633824	0.001546933	0.974209845	1.82329E-06	0.00130929	0.002277025	0.003174081	0.009632184
2027 Feb	0.025157046	4.38513E-05	8.093834877	22.68548965	0.218453571	0.003060792	171.0401459	0.02854556	0.002681398	5.25021E-05	0.004633836	0.001546937	0.974213898	1.82331E-06	0.001309294	0.002277042	0.003174097	0.009632207
2027 Mar	0.025164297	4.38619E-05	8.095806122	22.69101334	0.218507141	0.003061535	171.0816345	0.028552486	0.00268209	5.25177E-05	0.00463496	0.001547312	0.974450946	1.82375E-06	0.001309612	0.0022776	0.003174871	0.00963454
2027 Apr	0.02521256	4.39449E-05	8.111127853	22.73395157	0.218920842	0.003067327	171.405304	0.028606502	0.002687188	5.26187E-05	0.004643728	0.00155024	0.976294875	1.82721E-06	0.001312089	0.002281912	0.003180879	0.009652765
2027 May	0.025420601	4.42118E-05	8.160532951	22.87219429	0.220270365	0.003085852	172.3793335	0.028779415	0.002705664	5.31939E-05	0.004671782	0.00155962	0.982226551	1.83859E-06	0.001320016	0.002296002	0.003200415	0.009710975
2027 Jun	0.025303792	4.32658E-05	7.9752841	22.34239197	0.215160713	0.00301317	163.132019	0.028115911	0.002709552	5.19722E-05	0.004565589	0.001523512	0.959486485	1.8127E-06	0.001289533	0.002247011	0.003147805	0.009484555
2027 Jul	0.025374509	4.36501E-05	8.043457031	22.53264809	0.216929868	0.003038724	161.8924561	0.028360795	0.002732936	5.14957E-05	0.004605858	0.001536718	0.967680156	1.82988E-06	0.001300734	0.002266304	0.003178393	0.009567293
2027 Aug	0.025435492	4.42771E-05	8.160868645	22.86475182	0.220079437	0.003083912	163.1327362	0.028782193	0.002746857	5.14763E-05	0.004674117	0.001559567	0.981961489	1.852E-06	0.001320045	0.002298197	0.003220201	0.0097105
2027 Sep	0.02508617	4.42073E-05	8.149908066	22.83686447	0.219739527	0.003081172	161.4619904	0.02874992	0.002721483	5.03767E-05	0.00466849	0.00155782	0.980783701	1.84515E-06	0.001318605	0.002293521	0.003210499	0.009700643
2027 Oct	0.024914891	4.40681E-05	8.124838829	22.76745033	0.219031438	0.003072509	160.2574615	0.028663041	0.002709856	4.97337E-05	0.004654128	0.001553098	0.977806509	1.83822E-06	0.001314674	0.002285713	0.003198349	0.00967166
2027 Nov	0.024933813	4.40809E-05	8.127079964	22.77348137	0.219082132	0.003073503	160.2055359	0.028670352	0.002713156	4.96877E-05	0.004655245	0.001553488	0.978064954	1.83903E-06	0.001315027	0.002286214	0.003199115	0.009674081
2027 Dec	0.024938317	4.40852E-05	8.127857208	22.77562332	0.219102472	0.003073802	160.219162	0.028673019	0.00271369	4.96919E-05	0.004655673	0.001553633	0.978156924	1.83925E-06	0.001315151	0.002286428	0.003199433	0.009674973
2028 Jan	0.024940241	4.40848E-05	8.127794266	22.7754364	0.219101131	0.003073776	160.2176056	0.028672744	0.002713796	4.96955E-05	0.004655627	0.001553617	0.978148639	1.83925E-06	0.001315138	0.002286415	0.003199414	0.009674873
2028 Feb	0.024942998	4.4086E-05	8.128016472	22.77605057	0.219107747	0.003073854	160.2216644	0.028673474	0.002713942	4.97021E-05	0.004655744	0.001553657	0.978174865	1.83931E-06	0.001315172	0.002286484	0.003199503	0.009675114
2028 Mar	0.024945622	4.40886E-05	8.128504753	22.77741623	0.219121277	0.003074036	160.2311401	0.028675171	0.002714145	4.97079E-05	0.00465602	0.001553749	0.978233397	1.83942E-06	0.001315249	0.002286625	0.003199696	0.009675685
2028 Apr	0.024969628	4.41299E-05	8.136124611	22.79876328	0.219326854	0.003076916	160.3812408	0.028702032	0.002716711	4.97561E-05	0.004660381	0.001555204	0.979150176	1.84115E-06	0.001316482	0.00228877	0.003202695	0.009684747
2028 May	0.025071545	4.43094E-05	8.169218063	22.89149666	0.220219091	0.003089431	161.03302	0.028818769	0.002727771	4.99598E-05	0.004679335	0.00156153	0.983132839	1.84864E-06	0.001321836	0.002298081	0.003215722	0.009724136
2028 Jun	0.024964709	4.37005E-05	8.051210403	22.55509758	0.216977462	0.003043412	155.0041046	0.02839683	0.002724275	4.92326E-05	0.004611615	0.001538584	0.968690693	1.83052E-06	0.00130246	0.002266526	0.003179967	0.009580389
2028 Jul	0.025020828	4.38816E-05	8.083347321	22.64472771	0.217820331	0.003055323	153.4111633	0.028511902	0.00273593	4.91317E-05	0.00463057	0.001544793	0.972548485	1.83874E-06	0.001307716	0.002275772	0.003194648	0.009619213
2028 Aug	0.025364581	4.45934E-05	8.214907646	23.01396561	0.22136271	0.003105231	155.4690857	0.028977431	0.002774782	4.97841E-05	0.004706118	0.001570021	0.988410413	1.86766E-06	0.001329064	0.00231252	0.003245533	0.009776494
2028 Sep	0.025257232	4.46817E-05	8.232522011	23.06525421	0.221826106	0.003112594	154.5952606	0.02904324	0.002768012	4.94467E-05	0.00471662	0.00157359	0.990619659	1.86888E-06	0.001332103	0.002316769	0.003249366	0.009799297
2028 Oct	0.024963295	4.42583E-05	8.155092239	22.8486824	0.219692022	0.00308448	151.5853577	0.028769966	0.002744139	4.84393E-05	0.00467178	0.001558763	0.981319129	1.85054E-06	0.001319665	0.00229391	0.00321589	0.009707317
2028 Nov	0.025004929	4.42677E-05	8.156529427	22.85214043	0.21972014	0.003085128	151.5542145	0.028773742	0.002749491	4.84354E-05	0.004672317	0.001558961	0.981466055	1.85159E-06	0.001319859	0.002294227	0.003216646	0.009708453
2028 Dec	0.025008332	4.42721E-05	8.157339096	22.85439491	0.219741747	0.003085437	151.5690918	0.028776571	0.002749877	4.84404E-05	0.004672775	0.001559114	0.981562912	1.85179E-06	0.001319989	0.002294454	0.003216973	0.009709404
2029 Jan	0.025009328	4.42719E-05	8.157305717	22.85429192	0.219741002	0.003085422	151.5683136	0.02877642	0.002749932	4.84422E-05	0.004672749	0.001559106	0.981558323	1.85179E-06	0.001319982	0.002294447	0.003216962	0.009709351
2029 Feb	0.025010355	4.42718E-05	8.157291412	22.85424995	0.219740957	0.003085414	151.5679016	0.028776346	0.002749964	4.84448E-05	0.004672736	0.001559102	0.981556475	1.85179E-06	0.001319979	0.002294446	0.003216957	0.009709323
2029 Mar	0.02501226	4.42741E-05	8.157722473	22.85545731	0.219752759	0.003085576	151.5758362	0.028777853	0.00275013	4.84489E-05	0.004672981	0.001559183	0.981608152	1.85189E-06	0.001320048	0.00229457	0.003217128	0.00970983
2029 Apr	0.025020534	4.42882E-05	8.160313606	22.86271286	0.219822645	0.003086555	151.6239166	0.028786983	0.002751015	4.84651E-05	0.004674464	0.001559678	0.981919825	1.85248E-06	0.001320467	0.002295299	0.00321815	0.009712909
2029 May	0.025080051	4.43829E-05	8.177793503	22.91167831	0.220295876	0.003093148	151.926178	0.028848507	0.002757037	4.86015E-05	0.004684452	0.001563013	0.984022141	1.85646E-06	0.001323288	0.002300238	0.003225039	0.009733655
2029 Jun	0.025211882	4.42298E-05	8.146993637	22.822052	0.219460741	0.003080583	149.5612183	0.028734488	0.002768825	4.88453E-05	0.004666262	0.001556811	0.980166852	1.85427E-06	0.001318045	0.00229263	0.003218331	0.009694248
2029 Jul	0.024849981	4.36796E-05	8.043590546	22.53160858	0.216643527	0.00304095	142.805542	0.028372092	0.002735537	4.78726E-05	0.004607822	0.001537142	0.967704594	1.83245E-06	0.001301376	0.002263821	0.003180699	0.009571927
2029 Aug	0.024942115	4.40335E-05	8.109582901	22.71780968	0.218416795	0.003066196	142.8033752	0.028607687	0.002747161	4.80222E-05	0.004645951	0.001549917	0.975708067	1.84559E-06	0.001312171	0.00228177	0.003204527	0.009651834
2029 Sep	0.024918189	4.41556E-05	8.132916451	22.78427887	0.219039589	0.003075438	142.2870941	0.028692029	0.002747227	4.79122E-05	0.004659521	0.001554492	0.978567302	1.84923E-06	0.00131605	0.002287885	0.003211807	0.009680639
2029 Oct	0.024857435	4.40813E-05	8.11950016	22.74687576	0.218664572	0.003070744	141.4098816	0.0286447	0.002742998	4.76694E-05	0.004651682	0.001551923	0.976960897	1.84584E-06	0.00131391	0.00228377	0.003205478	0.009664753
2029 Nov	0.02486841	4.40804E-05	8.119249344	22.74598312	0.218652502	0.003070727	141.3118134	0.028643334	0.002744741	4.76467E-05	0.004651417	0.001551846	0.976921976	1.84601E-06	0.001313858	0.002283631	0.003205338	0.009664251
2029 Dec	0.024870684	4.40831E-05	8.11975193	22.74738121	0.218665883	0.003070919	141.3204193	0.028645083	0.002745001	4.76497E-05	0.004651699	0.00155194	0.976981938	1.84614E-06	0.001313939	0.002283772	0.003205542	0.009664838
2030 Jan	0.024871523	4.4083E-05	8.119738579	22.74733543	0.218665645	0.003070913	141.3200836	0.028645013	0.002745049	4.76513E-05	0.004651687	0.001551936	0.976979971	1.84614E-06	0.001313935	0.00228377	0.003205539	0.009664812
2030 Feb	0.024873177	4.40844E-05	8.119999886	22.74806404	0.218672946	0.003071009	141.3245087	0.02864591	0.002745167	4.7655E-05	0.004651832	0.001551985	0.977011025	1.84621E-06	0.001313976	0.002283846	0.003205642	0.009665113
2030 Mar	0.02487622	4.4089E-05	8.120841026	22.75042152	0.21869576	0.003071326	141.3391113	0.02864887	0.002745468	4.76611E-05	0.004652313	0.001552145	0.977112353	1.8464E-06	0.001314112	0.002284084	0.003205975	0.009666109
2030 Apr	0.024887115	4.41078E-05	8.124310493	22.76014137	0.218789279	0.003072638	141.3994598	0.028661102	0.00274665	4.76821E-05	0.004654299	0.001552808	0.977529705	1.84719E-06	0.001314673	0.002285061	0.003207345	0.009670237
2030 May	0.024966329	4.42473E-05	8.150007248	22.83212852	0.219481468	0.003082355	141.8454437	0.028751746	0.002755353	4.78353E-05	0.004669019	0.001557719	0.980621457	1.85303E-06	0.001318831	0.00229229	0.00321749	0.009700819
2030 Jun	0.025010576	4.39187E-05	8.086648941	22.65105438	0.21776855	0.003057407	138.3734131	0.028522596	0.002757646	4.79021E-05	0.004632175	0.001545277	0.972838461	1.84379E-06	0.001308306	0.002275631	0.003198424	0.009622505
2030 Jul	0.024827138	4.37739E-05	8.060065269	22.57757759	0.217048779	0.003047325	135.094635	0.028432062	0.002740264	4.74998E-05	0.004617602	0.001540368	0.969689727	1.83662E-06	0.001304126	0.002268057	0.003187608	0.009592284
2030 Aug	0.024928754	4.40911E-05	8.119119644	22.74406052	0.218638465	0.003069849	135.0995178	0.028642517	0.002752247	4.76906E-05	0.004651695	0.001551778	0.976843894	1.84863E-06	0.00131377	0.002284258	0.003209312	0.009663604
2030 Sep	0.025026772	4.43458E-05	8.166443825	22.87721252	0.219913021	0.003087896	135.4385376	0.028810566	0.002763981	4.78714E-05	0.004678949	0.001560887	0.982564747	1.85855E-06	0.001321478	0.002297403	0.003227156	0.009720474
2030 Oct	0.024939163	4.42555E-05	8.150259018	22.83234978	0.219468549	0.003082124	134.4014435	0.028754074	0.002756421	4.76171E-05	0.004669649	0.001557824	0.980638564	1.85413E-06	0.001318909	0.002292535	0.003219564	0.00970157
2030 Nov	0.024920275	4.42195E-05	8.143649101	22.81378555	0.219285131	0.003079749	134.0634003	0.028730519	0.002755114	4.75332E-05	0.004665767	0.001556546	0.979840994	1.85266E-06	0.00131784	0.002290567	0.003216692	0.009693622
2030 Dec	0.02492198	4.42215E-05	8.144004822	22.81477356	0.219294548	0.003079884	134.0691376	0.028731752	0.00275531	4.75353E-05	0.004665967	0.001556613	0.979883373	1.85275E-06	0.001317897	0.002290666	0.003216836	0.009694036
2031 Jan	0.024922712	4.42214E-05	8.144003868	22.81476593	0.219294637	0.003079883	134.069046	0.028731728	0.002755353	4.75367E-05	0.004665962	0.001556611	0.979883015	1.85275E-06	0.001317896	0.002290667	0.003216838	0.009694026
2031 Feb	0.024923418	4.42214E-05	8.144001007	22.81475258	0.219294772	0.003079879	134.0688934	0.0287317	0.002755377	4.75385E-05	0.004665957	0.00155661	0.979882419	1.85276E-06	0.001317895	0.002290668	0.003216837	0.009694014
2031 Mar	0.02492507	4.42236E-05	8.144412994	22.81590652	0.219305992	0.003080034	134.0756378	0.028733144	0.00275553	4.75419E-05	0.004666192	0.001556688	0.979931891	1.85285E-06	0.001317961	0.002290786	0.003217	0.009694501
2031 Apr	0.024947084	4.42623E-05	8.151533127	22.83585358	0.2194978	0.003082727	134.1928406	0.028758259	0.002757947	4.7584E-05	0.00467027	0.001558049	0.980788589	1.85447E-06	0.001319113	0.002292789	0.003219813	0.009702974
2031 May	0.02511292	4.43869E-05	8.174823761	22.9007473	0.220154405	0.003091264	134.3701477	0.028838113	0.002769196	4.81767E-05	0.004683205	0.001562394	0.983566761	1.86013E-06	0.001322769	0.002299667	0.003229192	0.009729686
2031 Jun	0.025592024	4.41416E-05	8.131777763	22.77793884	0.219191343	0.003073123	131.300415	0.028671509	0.002775826	5.09222E-05	0.004656009	0.00155349	0.978233635	1.85268E-06	0.001315076	0.002289832	0.00321371	0.009671983
2031 Jul	0.02585599	4.46301E-05	8.221740723	23.03006935	0.221613005	0.003107132	132.2591705	0.028989287	0.002805304	5.14185E-05	0.004707631	0.001570706	0.989063382	1.87304E-06	0.001329648	0.002315117	0.00324922	0.009779237
2031 Aug	0.02588951	4.48785E-05	8.268188477	23.16141319	0.222859696	0.00312497	131.7748108	0.029155875	0.002811245	5.14406E-05	0.004734609	0.001579739	0.994710863	1.88188E-06	0.00133728	0.002327722	0.003265776	0.009835834
2031 Sep	0.025670316	4.47174E-05	8.239359856	23.08180618	0.222063825	0.003114694	129.5726471	0.029056696	0.002792584	5.08361E-05	0.004718316	0.001574367	0.991299987	1.87349E-06	0.001332751	0.002318903	0.003252009	0.009802799
2031 Oct	0.025470128	4.44171E-05	8.184222221	22.92741966	0.22054854	0.003094486	127.3446655	0.028862102	0.0027759	5.01761E-05	0.004686475	0.001563809	0.98467046	1.86071E-06	0.00132388	0.002302812	0.003228843	0.009737249
2031 Nov	0.02547252	4.44167E-05	8.184127808	22.92708969	0.220542848	0.003094502	127.2471848	0.028861603	0.002776582	5.01537E-05	0.004686369	0.00156378	0.984656155	1.86076E-06	0.001323863	0.002302739	0.003228741	0.00973707
2031 Dec	0.025474116	4.44185E-05	8.184459686	22.92801666	0.220551699	0.003094629	127.2522812	0.028862758	0.002776764	5.01558E-05	0.004686556	0.001563843	0.984695852	1.86085E-06	0.001323916	0.002302832	0.003228877	0.009737458
2032 Jan	0.025474837	4.44186E-05	8.184477806	22.92805862	0.220552266	0.003094635	127.2524719	0.028862802	0.00277681	5.01572E-05	0.004686562	0.001563845	0.9846977	1.86086E-06	0.001323918	0.002302838	0.003228885	0.00973747
2032 Feb	0.025475489	4.44186E-05	8.184475899	22.92805099	0.220552415	0.003094633	127.2523727	0.028862778	0.002776832	5.01588E-05	0.004686559	0.001563843	0.984697342	1.86086E-06	0.001323917	0.002302839	0.003228885	0.009737462
2032 Mar	0.025477286	4.44211E-05	8.184938431	22.92934799	0.220565006	0.003094807	127.2595367	0.028864402	0.002777002	5.01626E-05	0.004686822	0.001563931	0.984752893	1.86097E-06	0.001323992	0.002302971	0.003229068	0.009738008

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.025489414	4.44419E-05	8.188772202	22.94008636	0.220668375	0.003096255	127.3191147	0.028877916	0.002778309	5.01865E-05	0.004689016	0.001564664	0.985214114	1.86184E-06	0.001324611	0.00230405	0.00323058	0.009742566
2032 May	0.02554976	4.45448E-05	8.207758904	22.99329376	0.221181303	0.003103429	127.5842514	0.02894485	0.00278465	5.03164E-05	0.004699884	0.001568291	0.987498999	1.86613E-06	0.001327681	0.002309401	0.003238046	0.009765148
2032 Jun	0.025551384	4.41444E-05	8.131374359	22.77587891	0.219120294	0.003073593	124.010231	0.028669788	0.002781722	5.0325E-05	0.004655554	0.001553365	0.97815448	1.85369E-06	0.001315051	0.002289033	0.003213501	0.009671373
2032 Jul	0.025069326	4.35843E-05	8.028214455	22.48829651	0.21632573	0.003034664	118.648056	0.02831085	0.002734906	4.92283E-05	0.004597433	0.001533906	0.965815187	1.82864E-06	0.001298556	0.002259755	0.003172237	0.009550773
2032 Aug	0.025097029	4.37546E-05	8.059989929	22.57796478	0.217174515	0.003046895	118.0793381	0.028424494	0.002739609	4.92294E-05	0.004615794	0.001540069	0.969671667	1.83487E-06	0.001303765	0.002268267	0.003183475	0.009589353
2032 Sep	0.025123574	4.38829E-05	8.083961487	22.64554024	0.217816174	0.003056138	117.8431549	0.028509976	0.00274395	4.92445E-05	0.004629619	0.001544704	0.972577274	1.83963E-06	0.001307687	0.00227478	0.003192117	0.009618346
2032 Oct	0.025133057	4.39255E-05	8.091924667	22.66802216	0.218028247	0.003059243	117.7085876	0.028538372	0.002745696	4.92378E-05	0.004634203	0.001546242	0.973543346	1.84119E-06	0.001308994	0.002276934	0.003194924	0.009627983
2032 Nov	0.025128713	4.3924E-05	8.091687202	22.66738701	0.218019918	0.003059202	117.5895233	0.028537564	0.002745594	4.92115E-05	0.004634054	0.001546197	0.973516166	1.84109E-06	0.001308961	0.002276823	0.0031947	0.009627723
2032 Dec	0.025109779	4.3894E-05	8.086182594	22.65197182	0.217869401	0.003057172	117.3983154	0.028518129	0.002743905	4.91543E-05	0.004630878	0.001545143	0.972854137	1.83982E-06	0.001308074	0.00227523	0.003192414	0.009621173
2033 Jan	0.025110766	4.38941E-05	8.086190224	22.65198898	0.217869774	0.003057173	117.3983383	0.028518133	0.002743965	4.91562E-05	0.004630878	0.001545144	0.972854793	1.83983E-06	0.001308074	0.002275234	0.00319242	0.009621172
2033 Feb	0.025112381	4.38953E-05	8.086410522	22.65259933	0.217875957	0.003057254	117.4014206	0.028518882	0.002744072	4.91599E-05	0.004631	0.001545184	0.9728809	1.83988E-06	0.001308108	0.002275298	0.003192507	0.009621423
2033 Mar	0.025117474	4.39033E-05	8.087885857	22.65673065	0.217915878	0.00305781	117.4227905	0.028524073	0.002744591	4.91701E-05	0.004631842	0.001545465	0.973058283	1.84022E-06	0.001308347	0.002275715	0.00319309	0.009623173
2033 Apr	0.025140923	4.39437E-05	8.095341682	22.67761993	0.218116879	0.003060629	117.5310211	0.028550364	0.002747131	4.92162E-05	0.004636111	0.00154689	0.973955393	1.84191E-06	0.001309552	0.002277814	0.003196034	0.009632042
2033 May	0.025511151	4.39556E-05	8.098373413	22.68441963	0.218297556	0.003060777	117.1203918	0.028552134	0.002763241	5.08628E-05	0.004636289	0.001547047	0.974214971	1.84452E-06	0.001309615	0.002279863	0.003198382	0.009631713
2033 Jun	0.025662493	4.34282E-05	8.00371933	22.41846275	0.215922266	0.00302351	112.6167068	0.028207896	0.002741463	5.27442E-05	0.004580291	0.001528507	0.962745249	1.8235E-06	0.00129377	0.002255085	0.003161267	0.009514597
2033 Jul	0.025714183	4.36607E-05	8.04691124	22.54034615	0.217082098	0.00303998	112.2235947	0.02836252	0.002749413	5.27985E-05	0.004605419	0.001536884	0.967984438	1.83219E-06	0.001300854	0.00226704	0.003177482	0.009567044
2033 Aug	0.025880901	4.40156E-05	8.11253643	22.72463989	0.218849808	0.003064872	112.7052994	0.02859496	0.002768254	5.31183E-05	0.004643145	0.001549481	0.975901306	1.84651E-06	0.001311512	0.002285369	0.003202802	0.0096456
2033 Sep	0.025717778	4.38921E-05	8.090216637	22.6628437	0.218227461	0.003056934	111.0853348	0.028518062	0.002755571	5.2605E-05	0.004630526	0.001545308	0.973253429	1.84031E-06	0.001308007	0.002278556	0.003192433	0.009619953
2033 Oct	0.025437014	4.34642E-05	8.01129818	22.4416256	0.216056973	0.003027871	108.4146652	0.028239552	0.002732581	5.16602E-05	0.004585028	0.001530194	0.96375531	1.82243E-06	0.001295301	0.002255637	0.003159947	0.009526082
2033 Nov	0.025443066	4.3448E-05	8.008164406	22.4325695	0.21596545	0.003026769	108.2625122	0.028227892	0.002733992	5.16131E-05	0.004583088	0.001529558	0.963365853	1.82207E-06	0.001294778	0.002254683	0.003158751	0.009522087
2033 Dec	0.025444785	4.34503E-05	8.00859642	22.43377495	0.215977028	0.003026933	108.2683029	0.028229402	0.002734183	5.16159E-05	0.004583333	0.00152964	0.96341753	1.82217E-06	0.001294848	0.002254804	0.003158924	0.009522595
2034 Jan	0.025445281	4.34505E-05	8.008619308	22.43383789	0.215977728	0.003026942	108.2685776	0.028229473	0.002734216	5.16169E-05	0.004583344	0.001529644	0.963420212	1.82218E-06	0.001294851	0.002254812	0.003158935	0.009522618
2034 Feb	0.025445811	4.34507E-05	8.008659363	22.43394661	0.21597892	0.003026955	108.2690735	0.028229602	0.002734243	5.16181E-05	0.004583364	0.001529651	0.963424802	1.82219E-06	0.001294857	0.002254824	0.00315895	0.00952266
2034 Mar	0.025447357	4.34529E-05	8.009076118	22.435112	0.215990216	0.003027112	108.2746887	0.028231066	0.002734394	5.16214E-05	0.004583602	0.00152973	0.963474929	1.82229E-06	0.001294924	0.002254942	0.003159115	0.009523152
2034 Apr	0.025465386	4.34835E-05	8.014710426	22.45089531	0.216142207	0.003029241	108.350853	0.028250923	0.002736321	5.1658E-05	0.004586826	0.001530806	0.964152634	1.82357E-06	0.001295835	0.002256529	0.003161337	0.009529851
2034 May	0.025613094	4.35821E-05	8.033129692	22.50209808	0.216664448	0.003035951	108.4501648	0.028313654	0.002746168	5.21881E-05	0.004596984	0.001534221	0.966343462	1.8282E-06	0.001298707	0.002262017	0.003168863	0.009550787
2034 Jun	0.025949121	4.33428E-05	7.990336895	22.38026237	0.215653345	0.003018332	106.1025009	0.028151421	0.002749415	5.41537E-05	0.004570561	0.001525518	0.961067498	1.82065E-06	0.001291228	0.00225172	0.003153583	0.009494872
2034 Jul	0.025892995	4.34301E-05	8.00669384	22.42711449	0.216083542	0.003024696	104.9857407	0.028212108	0.002746947	5.39402E-05	0.004580441	0.001528802	0.963086545	1.82311E-06	0.001294001	0.002256014	0.00315909	0.009515696
2034 Aug	0.026103277	4.38242E-05	8.079435349	22.63108063	0.218043685	0.00305224	105.6698532	0.028469019	0.00277002	5.43553E-05	0.00462214	0.001542724	0.971847355	1.83937E-06	0.001305783	0.002276402	0.003187474	0.00960243
2034 Sep	0.025959656	4.37271E-05	8.061896324	22.58268356	0.217551455	0.003046055	104.2726517	0.028409066	0.002759375	5.38858E-05	0.004612309	0.001539467	0.969774187	1.83433E-06	0.001303053	0.002271021	0.003179238	0.00958249
2034 Oct	0.025742186	4.343E-05	8.007106781	22.42927361	0.216042131	0.003025902	102.3441315	0.028216332	0.00274189	5.31605E-05	0.004580843	0.001529006	0.963189244	1.8217E-06	0.001294257	0.002255075	0.003156609	0.009517594
2034 Nov	0.025745591	4.34328E-05	8.007591248	22.43057632	0.216052517	0.003026123	102.2810669	0.028217925	0.00274264	5.3144E-05	0.004581086	0.001529091	0.963245034	1.82189E-06	0.001294335	0.002255177	0.003156773	0.009518122
2034 Dec	0.025747379	4.34353E-05	8.008055687	22.43187332	0.216064975	0.003026299	102.2869568	0.028219551	0.002742835	5.31471E-05	0.004581349	0.001529179	0.963300705	1.822E-06	0.001294409	0.002255308	0.003156959	0.00951867
2035 Jan	0.025747778	4.34354E-05	8.008070946	22.43191338	0.216065452	0.003026305	102.2871323	0.028219596	0.002742861	5.31478E-05	0.004581356	0.001529182	0.963302433	1.822E-06	0.001294411	0.002255313	0.003156965	0.009518684
2035 Feb	0.025748342	4.34358E-05	8.008140564	22.43210602	0.216067418	0.00302633	102.2879791	0.02821983	0.002742897	5.31492E-05	0.004581394	0.001529194	0.963310659	1.82202E-06	0.001294422	0.002255333	0.003156993	0.009518762
2035 Mar	0.025749411	4.34372E-05	8.008415222	22.43287468	0.216074884	0.003026433	102.2914734	0.028220793	0.002742997	5.31515E-05	0.004581551	0.001529247	0.96334368	1.82208E-06	0.001294466	0.002255411	0.003157101	0.009519087
2035 Apr	0.0257643	4.34622E-05	8.013011932	22.44575119	0.216198951	0.00302817	102.3501816	0.028236991	0.002744575	5.31822E-05	0.00458418	0.001530124	0.963896632	1.82313E-06	0.001295209	0.002256706	0.003158914	0.00952455
2035 May	0.025850523	4.35778E-05	8.034401894	22.5056057	0.216781706	0.003036201	102.5715103	0.02831194	0.002752493	5.34102E-05	0.004596342	0.001534189	0.966465294	1.82806E-06	0.001298646	0.002262793	0.003167379	0.00954979
2035 Jun	0.025927933	4.31637E-05	7.95778656	22.28881645	0.214789182	0.00300612	99.4294281	0.028034274	0.002743044	5.42316E-05	0.004551372	0.00151918	0.957130909	1.81346E-06	0.00128588	0.002242573	0.00314011	0.009455182
2035 Jul	0.025916772	4.32642E-05	7.976237774	22.34099007	0.215276897	0.003013158	98.56257629	0.028101301	0.002745058	5.41146E-05	0.00456233	0.001522804	0.95937717	1.81711E-06	0.001288946	0.002247674	0.003147306	0.009477985
2035 Aug	0.025972852	4.34786E-05	8.016070366	22.45316887	0.216344088	0.003028397	98.32946014	0.028243331	0.002753256	5.41706E-05	0.004585358	0.001530502	0.964199841	1.82529E-06	0.001295457	0.002258612	0.003162139	0.009526118
2035 Sep	0.025750849	4.32586E-05	7.975733757	22.34065628	0.215227798	0.003013681	96.42566681	0.028102778	0.00273545	5.3474E-05	0.004562393	0.001522878	0.959375858	1.81529E-06	0.001289034	0.00224665	0.003144837	0.009478967
2035 Oct	0.025682868	4.31567E-05	7.956830025	22.28755188	0.214700326	0.003006813	95.62571716	0.028035933	0.002731082	5.31801E-05	0.004551441	0.001519245	0.957096219	1.81116E-06	0.001285994	0.002241071	0.003137008	0.009456428
2035 Nov	0.025610762	4.30565E-05	7.938355446	22.23582268	0.214192331	0.002999998	95.0307312	0.027970944	0.002725149	5.29462E-05	0.004540838	0.001515719	0.954875648	1.80691E-06	0.001283027	0.002235712	0.003129422	0.009434542
2035 Dec	0.025612626	4.30585E-05	7.938720226	22.23683357	0.214202031	0.003000137	95.03504181	0.027972208	0.002725358	5.29488E-05	0.004541042	0.001515787	0.954919159	1.807E-06	0.001283085	0.002235814	0.00312957	0.009434965
2036 Jan	0.025613049	4.30585E-05	7.938716412	22.23681831	0.214201987	0.003000135	95.03495026	0.02797218	0.002725383	5.29495E-05	0.004541038	0.001515785	0.954918444	1.80701E-06	0.001283084	0.002235814	0.00312957	0.009434954
2036 Feb	0.025613496	4.30585E-05	7.93872118	22.23682976	0.21420224	0.003000135	95.03497314	0.027972186	0.0027254	5.29507E-05	0.004541039	0.001515786	0.954918921	1.80701E-06	0.001283084	0.002235816	0.003129572	0.009434955
2036 Mar	0.025613781	4.30586E-05	7.938736916	22.23687363	0.214202747	0.003000141	95.03514099	0.027972236	0.002725413	5.29513E-05	0.004541046	0.001515788	0.954920769	1.80701E-06	0.001283087	0.002235821	0.003129578	0.009434973
2036 Apr	0.025631823	4.30877E-05	7.944112778	22.25193787	0.214348301	0.00300217	95.09191895	0.027991164	0.002727233	5.29893E-05	0.004544118	0.001516814	0.955567339	1.80823E-06	0.001283954	0.002237339	0.003131688	0.009441355
2036 May	0.025703881	4.32037E-05	7.965549946	22.31199646	0.214928448	0.003010261	95.32307434	0.028066635	0.00273456	5.3145E-05	0.004556369	0.001520904	0.958146214	1.81309E-06	0.001287416	0.002243389	0.003140116	0.009466807
2036 Jun	0.025674351	4.30049E-05	7.927959919	22.20548248	0.213918358	0.00299563	93.56303406	0.02793212	0.002729722	5.31208E-05	0.004534684	0.001513609	0.953569055	1.8063E-06	0.001281235	0.002233306	0.003127483	0.009421071
2036 Jul	0.025627421	4.30069E-05	7.927993298	22.20574379	0.213905752	0.002995652	92.36177063	0.027933693	0.002727676	5.29089E-05	0.004535007	0.001513684	0.953585327	1.80625E-06	0.001281299	0.002233204	0.003127717	0.009421713
2036 Aug	0.02577976	4.32973E-05	7.981592655	22.35606384	0.215349466	0.003015953	92.73678589	0.028123081	0.002744487	5.32048E-05	0.004565744	0.001523947	0.960042	1.8182E-06	0.001289984	0.002248208	0.003148591	0.00948566
2036 Sep	0.02573479	4.33172E-05	7.98553896	22.36763573	0.215448871	0.003017643	92.14374542	0.028138304	0.002741834	5.30492E-05	0.004568182	0.00152477	0.960542619	1.81835E-06	0.001290685	0.002249096	0.003149385	0.00949098
2036 Oct	0.025651127	4.32051E-05	7.964859009	22.30973053	0.214877188	0.003010072	91.33362579	0.028065549	0.002735408	5.27545E-05	0.004556292	0.001520821	0.958057106	1.81359E-06	0.001287368	0.002243044	0.003140779	0.009466488
2036 Nov	0.025630727	4.31802E-05	7.960287094	22.29694748	0.214750588	0.003008406	91.13285065	0.028049514	0.002733859	5.26832E-05	0.00455367	0.00151995	0.957508624	1.81251E-06	0.001286637	0.002241699	0.00313885	0.009461096
2036 Dec	0.025623079	4.31686E-05	7.958132744	22.29090691	0.214691326	0.00300761	91.0663681	0.028041912	0.002733234	5.26575E-05	0.004552429	0.001519537	0.957249284	1.81202E-06	0.00128629	0.002241076	0.003137972	0.009458533
2037 Jan	0.025623707	4.31688E-05	7.958172798	22.29101563	0.214692503	0.003007625	91.06679535	0.028042041	0.002733278	5.26587E-05	0.004552449	0.001519544	0.957253873	1.81203E-06	0.001286296	0.002241087	0.003137989	0.009458575
2037 Feb	0.025624536	4.31694E-05	7.95828104	22.29131699	0.214695558	0.003007664	91.06799316	0.028042408	0.002733331	5.26606E-05	0.004552509	0.001519564	0.957266748	1.81206E-06	0.001286313	0.00224112	0.003138032	0.009458698
2037 Mar	0.025628245	4.31752E-05	7.959350109	22.29431152	0.214724481	0.003008068	91.08020782	0.02804617	0.002733708	5.26684E-05	0.004553119	0.001519768	0.957395315	1.81231E-06	0.001286486	0.002241421	0.003138453	0.009459967
2037 Apr	0.025637951	4.31913E-05	7.96231699	22.30262375	0.21480459	0.003009189	91.11416626	0.028056623	0.002734732	5.26884E-05	0.004554817	0.001520334	0.957752228	1.81298E-06	0.001286965	0.002242258	0.003139624	0.009463493
2037 May	0.025845366	4.31866E-05	7.961954117	22.30063057	0.214852422	0.003008466	90.82102966	0.028050201	0.00274327	5.36307E-05	0.004553713	0.001520022	0.95764792	1.814E-06	0.001286659	0.002242855	0.003140166	0.00946079
2037 Jun	0.02584292	4.28436E-05	7.900032043	22.12704659	0.213269606	0.002984321	88.20442963	0.027827578	0.00272479	5.43958E-05	0.004517556	0.001508014	0.95017153	1.79985E-06	0.001276413	0.00222634	0.003115786	0.009385291
2037 Jul	0.025947977	4.30668E-05	7.941176414	22.24250793	0.214375868	0.0029999	88.23240662	0.027973348	0.002737286	5.45785E-05	0.004541242	0.001515911	0.955131948	1.80897E-06	0.001283096	0.002237867	0.003131903	0.009434541
2037 Aug	0.026038907	4.32869E-05	7.981937408	22.35708046	0.215472996	0.003015392	88.30178833	0.028117999	0.002748031	5.47438E-05	0.00456472	0.00152375	0.960054636	1.8177E-06	0.001289728	0.00224922	0.003147501	0.009483465
2037 Sep	0.026063943	4.33895E-05	8.001014709	22.41083145	0.215982839	0.003022725	88.11703491	0.028186057	0.002752122	5.47521E-05	0.00457575	0.001527437	0.962365329	1.82159E-06	0.001292852	0.002254453	0.003154568	0.009506536
2037 Oct	0.025992526	4.33045E-05	7.98533392	22.3669796	0.215547726	0.003017007	87.45510864	0.028131096	0.002746828	5.44972E-05	0.004566768	0.001524452	0.960483611	1.81791E-06	0.001290346	0.002249839	0.003147993	0.009488055
2037 Nov	0.025990671	4.33029E-05	7.985014439	22.36606026	0.215536743	0.003016922	87.37664795	0.028129935	0.002747015	5.44727E-05	0.004566567	0.001524388	0.960444272	1.81787E-06	0.001290296	0.002249716	0.003147824	0.009487664
2037 Dec	0.025992583	4.33057E-05	7.985545158	22.36754417	0.215551019	0.003017123	87.38198853	0.0281318	0.002747223	5.44762E-05	0.004566869	0.001524489	0.960507989	1.81799E-06	0.001290382	0.002249866	0.003148035	0.009488293
2038 Jan	0.02599298	4.33059E-05	7.985580921	22.36764145	0.215552017	0.003017136	87.38235474	0.028131915	0.002747252	5.4477E-05	0.004566888	0.001524495	0.960512161	1.818E-06	0.001290387	0.002249876	0.00314805	0.009488332
2038 Feb	0.025993332	4.33061E-05	7.985605717	22.36771202	0.215552792	0.003017145	87.38261414	0.028131997	0.00274727	5.44779E-05	0.004566901	0.0015245	0.960515141	1.81801E-06	0.001290391	0.002249884	0.003148059	0.009488358
2038 Mar	0.025994148	4.33072E-05	7.985810757	22.36828423	0.215558365	0.003017222	87.38484192	0.028132716	0.002747346	5.44796E-05	0.004567017	0.001524538	0.960539758	1.81806E-06	0.001290424	0.002249942	0.00314814	0.0094886
2038 Apr	0.026002923	4.33216E-05	7.988480091	22.37576294	0.215630442	0.00301823	87.41404724	0.028142119	0.002748267	5.44981E-05	0.004568544	0.001525048	0.960860789	1.81866E-06	0.001290855	0.002250694	0.003149193	0.009491771
2038 May	0.026105663	4.33815E-05	7.99973011	22.40701103	0.215954199	0.003022288	87.37825012	0.028180137	0.002754588	5.48898E-05	0.004574697	0.001527121	0.962196469	1.82151E-06	0.001292595	0.002254096	0.003153794	0.009504431
2038 Jun	0.026224967	4.31521E-05	7.958434582	22.29055977	0.214927703	0.003005849	85.47936249	0.028028671	0.00274816	5.59102E-05	0.004550071	0.001518968	0.957170784	1.8129E-06	0.001285619	0.00224348	0.003138124	0.00945274
2038 Jul	0.026418263	4.34786E-05	8.01855278	22.45890808	0.216548413	0.003028549	85.94701385	0.028240552	0.002768997	5.62979E-05	0.004584484	0.001530448	0.96440053	1.82667E-06	0.001295337	0.002260426	0.003161965	0.0095242
2038 Aug	0.026542341	4.37609E-05	8.070792198	22.60563087	0.217954174	0.003048395	86.0587616	0.028425699	0.002783483	5.65236E-05	0.004614531	0.001540481	0.970704556	1.83799E-06	0.001303826	0.002274986	0.003182046	0.009586791
2038 Sep	0.026505567	4.37856E-05	8.075532913	22.61936378	0.218074247	0.003050369	85.55023956	0.028443623	0.00278179	5.63764E-05	0.004617417	0.00154145	0.971297503	1.83845E-06	0.001304652	0.002276124	0.003183294	0.009593002
2038 Oct	0.026466284	4.37478E-05	8.0685606	22.59989548	0.217877239	0.003047884	85.12187958	0.028419318	0.002779345	5.62159E-05	0.004613432	0.001540128	0.97046268	1.83677E-06	0.001303548	0.002274018	0.003180268	0.00958485
2038 Nov	0.026472429	4.37589E-05	8.070591927	22.60557747	0.21793133	0.003048662	85.11844635	0.028426468	0.002780119	5.62223E-05	0.004614588	0.001540515	0.97070682	1.83724E-06	0.001303877	0.002274579	0.003181054	0.009587263
2038 Dec	0.026473477	4.37601E-05	8.070815086	22.60619736	0.217937276	0.003048747	85.12076569	0.028427245	0.002780235	5.62239E-05	0.004614714	0.001540557	0.970733464	1.83729E-06	0.001303913	0.002274642	0.003181144	0.009587523
2039 Jan	0.02647385	4.37602E-05	8.070840836	22.60626793	0.217938006	0.003048756	85.12100983	0.028427325	0.002780261	5.62246E-05	0.004614727	0.001540561	0.970736384	1.8373E-06	0.001303917	0.00227465	0.003181155	0.009587551
2039 Feb	0.026474165	4.37603E-05	8.070850372	22.60629463	0.217938378	0.003048759	85.12110901	0.028427353	0.002780274	5.62254E-05	0.004614732	0.001540563	0.970737517	1.8373E-06	0.001303918	0.002274653	0.003181159	0.009587559

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.02647664	4.37641E-05	8.071558952	22.60827637	0.217957526	0.003049026	85.12856293	0.028429842	0.002780523	5.62308E-05	0.004615135	0.001540698	0.970822632	1.83747E-06	0.001304032	0.002274853	0.003181438	0.009588398
2039 Apr	0.026485477	4.37786E-05	8.074225426	22.61574745	0.218029588	0.003050033	85.15668488	0.028439235	0.002781445	5.62496E-05	0.00461666	0.001541207	0.971143425	1.83807E-06	0.001304463	0.002275605	0.00318249	0.009591565
2039 May	0.026529476	4.38521E-05	8.087803841	22.65379715	0.218396679	0.003055162	85.27955627	0.028487081	0.002786005	5.63466E-05	0.004624427	0.0015438	0.972777247	1.84114E-06	0.001306657	0.002279433	0.003187823	0.009607705
2039 Jun	0.026392866	4.35747E-05	8.035172462	22.50509644	0.216953471	0.003035007	83.39472961	0.028300984	0.002775533	5.58603E-05	0.004594421	0.00153369	0.966395795	1.83113E-06	0.001298116	0.002264916	0.003169627	0.009544672
2039 Jul	0.026134074	4.33007E-05	7.984163284	22.36265373	0.21555078	0.003015832	80.9577713	0.028124018	0.002753502	5.51043E-05	0.004565765	0.001524083	0.960288107	1.81919E-06	0.001289988	0.002250223	0.003149487	0.009485229
2039 Aug	0.026108664	4.33076E-05	7.98513937	22.36540222	0.215558216	0.003016305	80.04397583	0.028128227	0.002752793	5.49166E-05	0.004566366	0.001524306	0.960410476	1.81949E-06	0.00129018	0.002250052	0.003149371	0.009486732
2039 Sep	0.026135042	4.33979E-05	8.001898766	22.41257095	0.216005787	0.003022746	79.88219452	0.028187888	0.002756828	5.49302E-05	0.004576033	0.001527537	0.962437868	1.82298E-06	0.001292919	0.002254654	0.003155621	0.009506941
2039 Oct	0.026108826	4.3379E-05	7.998442173	22.40299606	0.215907857	0.003021534	79.60803223	0.028176008	0.002755082	5.48335E-05	0.004574083	0.001526891	0.962027669	1.82204E-06	0.00129238	0.002253592	0.003154029	0.009502981
2039 Nov	0.026117375	4.33923E-05	8.000905037	22.40988541	0.215974167	0.003022466	79.63139343	0.028184664	0.002755999	5.48501E-05	0.004575487	0.00152736	0.962323487	1.82261E-06	0.001292777	0.002254284	0.003155004	0.0095059
2039 Dec	0.026118986	4.33948E-05	8.00135231	22.41113853	0.215986222	0.003022635	79.63583374	0.028186237	0.002756172	5.48532E-05	0.004575742	0.001527446	0.96237725	1.82272E-06	0.001292849	0.00225441	0.003155181	0.009506429
2040 Jan	0.026119154	4.33948E-05	8.001349449	22.41112709	0.215986162	0.003022633	79.63578796	0.028186221	0.002756182	5.48535E-05	0.004575739	0.001527445	0.962376833	1.82272E-06	0.001292849	0.00225441	0.00315518	0.009506422
2040 Feb	0.026119431	4.33949E-05	8.001379967	22.41121292	0.215987042	0.003022644	79.63609314	0.028186323	0.002756198	5.48542E-05	0.004575756	0.00152745	0.96238035	1.82273E-06	0.001292853	0.002254419	0.003155192	0.009506457
2040 Mar	0.026121976	4.3399E-05	8.002130508	22.41331291	0.216007322	0.003022928	79.64354706	0.028188964	0.00275646	5.48595E-05	0.004576184	0.001527593	0.962470591	1.8229E-06	0.001292974	0.00225463	0.003155488	0.009507348
2040 Apr	0.026130507	4.34131E-05	8.004727364	22.42058754	0.216077447	0.003023909	79.66939545	0.028198112	0.002757357	5.48775E-05	0.00457767	0.001528089	0.962782979	1.82349E-06	0.001293394	0.002255363	0.003156513	0.009510432
2040 May	0.026203442	4.34777E-05	8.016729355	22.45405388	0.216410965	0.003028348	79.73444366	0.028239563	0.002762864	5.51142E-05	0.004584389	0.001530341	0.964217007	1.8264E-06	0.001295293	0.002258859	0.003161351	0.009524327
2040 Jun	0.026333107	4.32089E-05	7.967736721	22.31543922	0.215171069	0.003008924	77.95410919	0.028060006	0.002757954	5.61084E-05	0.004555226	0.00152066	0.958238959	1.81687E-06	0.001287034	0.002246168	0.003143419	0.009463008
2040 Jul	0.026380988	4.33622E-05	7.996046066	22.39510155	0.215930298	0.003019681	77.68544769	0.028160969	0.002764698	5.61638E-05	0.004571648	0.001526128	0.961663008	1.82287E-06	0.00129166	0.002254065	0.003154371	0.009497194
2040 Aug	0.026451722	4.35429E-05	8.029509544	22.48919296	0.216829896	0.003032409	77.6267395	0.028279841	0.002773276	5.62828E-05	0.004590939	0.001532569	0.96570605	1.83001E-06	0.00129711	0.002263358	0.003167128	0.009537413
2040 Sep	0.026442504	4.35899E-05	8.038293839	22.51406479	0.217061162	0.00303585	77.31646729	0.028311595	0.002773816	5.62158E-05	0.004596073	0.00153429	0.966777086	1.8316E-06	0.001298567	0.002265675	0.00317016	0.009548233
2040 Oct	0.026449528	4.36075E-05	8.041521072	22.52309036	0.217144459	0.00303713	77.21542358	0.028322972	0.00277523	5.61968E-05	0.004597901	0.001534904	0.967164993	1.83235E-06	0.001299095	0.002266529	0.003171345	0.009552077
2040 Nov	0.026457986	4.36212E-05	8.044041634	22.53013992	0.217212081	0.003038087	77.22851563	0.028331833	0.002776183	5.62109E-05	0.004599337	0.001535384	0.967467725	1.83293E-06	0.001299502	0.002267234	0.003172335	0.009555065
2040 Dec	0.026458969	4.36226E-05	8.044293404	22.53084183	0.217218846	0.003038183	77.23091888	0.028332714	0.002776289	5.62127E-05	0.004599479	0.001535432	0.967497885	1.83299E-06	0.001299542	0.002267304	0.003172435	0.009555361
2041 Jan	0.026459366	4.36229E-05	8.0443573	22.53102112	0.217220619	0.003038207	77.23152924	0.028332938	0.002776323	5.62135E-05	0.004599516	0.001535444	0.967505574	1.83301E-06	0.001299552	0.002267323	0.003172461	0.009555436
2041 Feb	0.026459772	4.36233E-05	8.044426918	22.53121758	0.217222556	0.003038232	77.23219299	0.028333178	0.002776353	5.62145E-05	0.004599554	0.001535457	0.967513919	1.83302E-06	0.001299563	0.002267343	0.003172488	0.009555517
2041 Mar	0.026461847	4.36266E-05	8.045027733	22.53289986	0.217238799	0.003038459	77.23794556	0.028335292	0.002776564	5.62189E-05	0.004599898	0.001535571	0.96758616	1.83316E-06	0.00129966	0.002267513	0.003172726	0.009556229
2041 Apr	0.026468342	4.36372E-05	8.04698658	22.53838348	0.217291683	0.003039199	77.25674438	0.028342187	0.002777241	5.62327E-05	0.004601017	0.001535945	0.967821658	1.83361E-06	0.001299977	0.002268065	0.003173498	0.009558555
2041 May	0.026502063	4.36879E-05	8.056362152	22.56464386	0.217546254	0.00304273	77.32154846	0.028375143	0.0027805	5.63163E-05	0.004606366	0.001537732	0.96894902	1.83574E-06	0.001301488	0.00227072	0.003177187	0.009569664
2041 Jun	0.026429622	4.34972E-05	8.019921303	22.46134758	0.216545135	0.003028716	76.04279327	0.02824571	0.002775618	5.60096E-05	0.004585513	0.001530697	0.964515328	1.82928E-06	0.001295549	0.002260744	0.003165055	0.009525732
2041 Jul	0.026214328	4.3269E-05	7.977482796	22.34281921	0.215381786	0.003012744	74.19054413	0.028098416	0.002757473	5.53996E-05	0.00456171	0.001522701	0.95943284	1.81933E-06	0.001288784	0.002248684	0.003148594	0.009476238
2041 Aug	0.026336351	4.35105E-05	8.022099495	22.4679966	0.216583431	0.003029654	74.3449707	0.02825618	0.002771069	5.56347E-05	0.004587315	0.00153125	0.964809895	1.82921E-06	0.001296019	0.002261161	0.003165912	0.009529524
2041 Sep	0.026349265	4.35862E-05	8.036194801	22.50776291	0.216960177	0.003035078	74.15164185	0.0283066	0.002773579	5.56303E-05	0.004595487	0.001533982	0.966519833	1.83201E-06	0.001298332	0.002265016	0.003171079	0.009546633
2041 Oct	0.026328139	4.3576E-05	8.034357071	22.50272942	0.216906145	0.003034474	73.90353394	0.028300434	0.00277234	5.5546E-05	0.004594466	0.001533646	0.966304541	1.83143E-06	0.001298054	0.002264412	0.003170125	0.009544602
2041 Nov	0.02633898	4.35932E-05	8.037522316	22.51158333	0.216991037	0.003035677	73.91936493	0.028311556	0.002773561	5.55639E-05	0.004596269	0.001534248	0.966684699	1.83217E-06	0.001298566	0.002265297	0.003171371	0.00954835
2041 Dec	0.026340587	4.35956E-05	8.037962914	22.51281357	0.217002898	0.003035844	73.92340851	0.028313104	0.002773733	5.5567E-05	0.00459652	0.001534332	0.966737628	1.83227E-06	0.001298637	0.002265421	0.003171546	0.009548872
2042 Jan	0.026341181	4.35963E-05	8.038085938	22.51315498	0.217006236	0.00303589	73.9245224	0.028313531	0.002773787	5.55682E-05	0.004596589	0.001534355	0.966752231	1.8323E-06	0.001298656	0.002265456	0.003171595	0.009549015
2042 Feb	0.026341455	4.35964E-05	8.038110733	22.51322746	0.217006996	0.003035899	73.92475128	0.028313618	0.002773803	5.55688E-05	0.004596603	0.00153436	0.966755331	1.83231E-06	0.00129866	0.002265464	0.003171605	0.009549043
2042 Mar	0.026342969	4.35987E-05	8.038542747	22.51443672	0.217018679	0.003036062	73.92871094	0.028315134	0.002773955	5.55721E-05	0.004596849	0.001534442	0.966807187	1.83241E-06	0.00129873	0.002265586	0.003171775	0.009549555
2042 Apr	0.02635804	4.36236E-05	8.043123245	22.52726364	0.217142358	0.003037792	73.97084045	0.028331267	0.002775538	5.56039E-05	0.004599468	0.001535317	0.967358053	1.83345E-06	0.00129947	0.002266877	0.003173583	0.009554996
2042 May	0.026423616	4.37156E-05	8.060135841	22.57487869	0.217604846	0.003044188	74.09629059	0.028390953	0.002781736	5.57702E-05	0.004609155	0.001538553	0.969401717	1.83736E-06	0.001302206	0.002271707	0.003180312	0.009575102
2042 Jun	0.026358109	4.35745E-05	8.033424377	22.49944496	0.216875657	0.003033939	73.02028656	0.028296433	0.002776284	5.55584E-05	0.004593917	0.00153342	0.966163814	1.83223E-06	0.001297867	0.002264376	0.00317106	0.009543083
2042 Jul	0.026270805	4.34945E-05	8.018335342	22.45725441	0.216454953	0.003028261	71.89926147	0.028244417	0.002769848	5.52618E-05	0.004585527	0.001530591	0.964356482	1.82883E-06	0.001295477	0.002260023	0.00316535	0.009525622
2042 Aug	0.026144115	4.33969E-05	8.000433922	22.40740395	0.215955362	0.003021741	70.80651093	0.028182626	0.002759539	5.48752E-05	0.004575416	0.001527243	0.962222993	1.82421E-06	0.001292643	0.002254547	0.003157421	0.009504959
2042 Sep	0.026090732	4.33624E-05	7.994094849	22.38967896	0.215773016	0.00301952	70.23693848	0.028160697	0.00275597	5.46767E-05	0.004571795	0.001526054	0.961465895	1.82259E-06	0.001291643	0.002252513	0.003154476	0.009497635
2042 Oct	0.026049592	4.33199E-05	7.986310005	22.36797905	0.215557098	0.003016694	69.88562012	0.028133562	0.002752841	5.45385E-05	0.004567361	0.00152458	0.96053499	1.82066E-06	0.001290406	0.002250212	0.003151136	0.009488531
2042 Nov	0.026059628	4.33361E-05	7.989292145	22.37632561	0.215637356	0.003017823	69.90679169	0.028144052	0.002753934	5.45574E-05	0.004569062	0.001525149	0.960893333	1.82135E-06	0.001290887	0.00225105	0.003152312	0.009492069
2042 Dec	0.026060762	4.33378E-05	7.989602089	22.37718964	0.215645686	0.003017941	69.90950012	0.02814514	0.002754055	5.45596E-05	0.004569239	0.001525207	0.960930467	1.82142E-06	0.001290937	0.002251137	0.003152435	0.009492435
2043 Jan	0.026061021	4.3338E-05	7.989636421	22.37728691	0.215646654	0.003017954	69.90979767	0.028145257	0.002754076	5.45601E-05	0.004569258	0.001525214	0.960934639	1.82143E-06	0.001290943	0.002251147	0.00315245	0.009492475
2043 Feb	0.026061237	4.33381E-05	7.989658833	22.37734985	0.21564731	0.003017962	69.90998077	0.028145334	0.002754089	5.45606E-05	0.004569271	0.001525218	0.960937321	1.82144E-06	0.001290946	0.002251154	0.003152459	0.0094925
2043 Mar	0.026061947	4.33392E-05	7.989852905	22.37789154	0.215652555	0.003018035	69.91168213	0.028146014	0.002754158	5.45621E-05	0.004569381	0.001525255	0.960960627	1.82148E-06	0.001290977	0.002251209	0.003152535	0.009492729
2043 Apr	0.026075784	4.33621E-05	7.994081974	22.38973427	0.215766698	0.003019632	69.94866943	0.028160909	0.002755617	5.45911E-05	0.004571799	0.001526062	0.961469173	1.82245E-06	0.00129166	0.0022524	0.003154204	0.009497752
2043 May	0.026148247	4.34519E-05	8.010687828	22.4361763	0.216220483	0.003025852	70.05294037	0.028218964	0.002762024	5.47915E-05	0.004581219	0.001529211	0.963461697	1.82631E-06	0.001294322	0.002257143	0.003160801	0.009517287
2043 Jun	0.026250726	4.32761E-05	7.978673935	22.3455162	0.215415046	0.003013111	68.88258362	0.02810121	0.00275961	5.55192E-05	0.00456209	0.001522865	0.959550261	1.82018E-06	0.001288905	0.002248915	0.003149158	0.00947703
2043 Jul	0.026335685	4.34608E-05	8.012694359	22.44098854	0.216328129	0.003026	68.74220276	0.028221805	0.002769755	5.56544E-05	0.00458168	0.001529397	0.963652134	1.82774E-06	0.001294433	0.002258413	0.003162452	0.009517781
2043 Aug	0.026412094	4.36426E-05	8.046319008	22.53539276	0.217230678	0.003038798	68.66272736	0.028340975	0.002779032	5.57759E-05	0.004601006	0.001535855	0.967708945	1.83505E-06	0.001299899	0.002267736	0.003175323	0.00955807
2043 Sep	0.026389642	4.36632E-05	8.050215721	22.54654121	0.217330024	0.00304039	68.31601715	0.028355421	0.002778099	5.56823E-05	0.004603327	0.001536638	0.968190551	1.83557E-06	0.001300562	0.002268676	0.003176441	0.009563044
2043 Oct	0.026373966	4.36346E-05	8.044873238	22.53145218	0.21717824	0.003038481	68.06411743	0.028336374	0.002777612	5.55827E-05	0.004600192	0.001535601	0.967542768	1.8345E-06	0.0012997	0.002267073	0.00317424	0.009556605
2043 Nov	0.026365427	4.36011E-05	8.038563728	22.5135479	0.217001438	0.003036173	67.9043808	0.028313661	0.002777506	5.55085E-05	0.004596466	0.001534366	0.966773629	1.83336E-06	0.00129867	0.00226523	0.003171784	0.009548896
2043 Dec	0.026366631	4.36027E-05	8.038846016	22.51433372	0.217008993	0.00303628	67.90675354	0.028314646	0.002777638	5.55105E-05	0.004596625	0.001534419	0.966807365	1.83343E-06	0.001298715	0.002265309	0.003171898	0.009549227
2044 Jan	0.026367135	4.36031E-05	8.038926125	22.51455498	0.217011169	0.00303631	67.90740967	0.02831492	0.00277768	5.55115E-05	0.004596669	0.001534434	0.966816843	1.83345E-06	0.001298727	0.002265332	0.00317193	0.009549319
2044 Feb	0.026368571	4.36051E-05	8.039289474	22.5155735	0.217021063	0.003036446	67.91046906	0.028316194	0.002777814	5.55146E-05	0.004596876	0.001534503	0.966860533	1.83353E-06	0.001298786	0.002265435	0.003172073	0.009549748
2044 Mar	0.026371183	4.36092E-05	8.040045738	22.51769257	0.217041522	0.003036732	67.91685486	0.028318854	0.00277808	5.55201E-05	0.004597309	0.001534647	0.96695143	1.83371E-06	0.001298908	0.002265649	0.003172372	0.009550645
2044 Apr	0.026377406	4.36193E-05	8.041919708	22.52294159	0.217092171	0.00303744	67.93268585	0.028325457	0.00277873	5.55333E-05	0.00459838	0.001535005	0.967176914	1.83413E-06	0.001299211	0.002266177	0.003173112	0.009552871
2044 May	0.026422663	4.36918E-05	8.055283546	22.56036568	0.217453465	0.003042483	68.0383606	0.028372493	0.002783381	5.56333E-05	0.004606016	0.001537554	0.968783796	1.83718E-06	0.001301368	0.002269948	0.003178385	0.009568731
2044 Jun	0.026026804	4.24203E-05	7.835910797	21.91650391	0.211091951	0.002953943	65.10334015	0.027545454	0.002806445	5.52831E-05	0.004470308	0.001492987	0.940725744	1.83027E-06	0.001263203	0.002204827	0.003104349	0.00928542
2044 Jul	0.025302745	3.97362E-05	7.38551569	20.57286644	0.197661027	0.002768359	60.73911285	0.025807455	0.002919557	5.50171E-05	0.004183758	0.001399528	0.881864309	1.84789E-06	0.001182844	0.002067486	0.002958685	0.008687374
2044 Aug	0.032504812	4.42021E-05	8.547818184	23.24842072	0.219933316	0.003097221	65.71755219	0.028744947	0.004935608	6.68375E-05	0.004641119	0.001566858	0.989657462	2.89906E-06	0.001315886	0.002309669	0.00361413	0.009620639
2044 Sep	0.01542995	1.078E-05	2.705025196	6.33100605	0.053576462	0.000788377	12.38355827	0.007066603	0.004356182	3.5067E-05	0.001110163	0.000399917	0.257480174	2.18E-06	0.000321145	0.000578821	0.001445788	0.002272723
2044 Oct	0.014180547	8.18129E-06	2.250082731	5.003185749	0.040541168	0.000607701	9.548567772	0.0053742	0.004357598	3.80812E-05	0.000835009	0.000308431	0.200104952	2.09502E-06	0.000243433	0.000444309	0.00126669	0.001700216
2044 Nov	0.014235789	8.32406E-06	2.273458719	5.073466301	0.041241556	0.00061757	9.57139492	0.005465993	0.004353631	3.80952E-05	0.000850008	0.000313335	0.203179464	2.09449E-06	0.000247668	0.000451525	0.001274391	0.00173158
2044 Dec	0.014237706	8.32475E-06	2.273631573	5.07384491	0.041244585	0.00061762	9.572117805	0.005466392	0.004354051	3.80981E-05	0.000850069	0.000313358	0.203194633	2.09466E-06	0.000247686	0.000451559	0.001274492	0.001731703
2045 Jan	0.01423871	8.32476E-06	2.273631334	5.073843479	0.041244835	0.000617619	9.572112083	0.005466375	0.004354096	3.80999E-05	0.000850065	0.000313356	0.203194559	2.09466E-06	0.000247685	0.000451561	0.001274493	0.001731695
2045 Feb	0.014239732	8.32478E-06	2.273638248	5.073860645	0.041245356	0.00061762	9.572136879	0.005466377	0.00435413	3.81024E-05	0.000850065	0.000313357	0.203195214	2.09466E-06	0.000247685	0.000451567	0.001274496	0.001731693
2045 Mar	0.014242618	8.32615E-06	2.274013758	5.074699402	0.041252382	0.000617721	9.573716164	0.005467272	0.004354861	3.81101E-05	0.000850204	0.000313408	0.203228787	2.09501E-06	0.000247726	0.000451643	0.001274706	0.001731975
2045 Apr	0.01425131	8.33105E-06	2.275352955	5.077689171	0.041276798	0.000618084	9.579353333	0.005470487	0.004357432	3.81333E-05	0.000850704	0.000313592	0.203348488	2.09624E-06	0.000247872	0.000451911	0.001275456	0.001732993
2045 May	0.014305855	8.36286E-06	2.284039497	5.097074032	0.041434433	0.000620443	9.615922928	0.005491369	0.004374071	3.82793E-05	0.000853951	0.000314789	0.204124808	2.10424E-06	0.000248818	0.000453636	0.001280326	0.001739608
2045 Jun	0.015026757	9.81381E-06	2.48453927	5.760252476	0.048431501	0.0007148	9.131364822	0.006418168	0.004242874	3.99509E-05	0.001004448	0.000362962	0.233405769	2.06132E-06	0.000290803	0.000528801	0.001348287	0.002052521
2045 Jul	0.015354815	9.04549E-06	2.310795307	5.314835072	0.044409081	0.000656328	7.99445343	0.00592072	0.004212844	4.2935E-05	0.000917961	0.000334226	0.213962436	2.04035E-06	0.000266555	0.000491332	0.001295233	0.001871961
2045 Aug	0.014859499	7.33565E-06	2.012641907	4.453735828	0.035956237	0.000538066	7.100967407	0.004816501	0.00420922	4.04504E-05	0.00073588	0.000274724	0.176397189	2.03941E-06	0.000215525	0.000404104	0.001196982	0.001492486
2045 Sep	0.014213755	6.5024E-06	1.881841898	4.055859566	0.031929828	0.000482581	6.654006004	0.00427743	0.004194557	3.76514E-05	0.000649952	0.000246493	0.159207061	2.02888E-06	0.000191299	0.000360483	0.001146344	0.001313739
2045 Oct	0.013976016	6.04915E-06	1.813596964	3.837942839	0.029690081	0.000452012	6.477249622	0.003983287	0.004227301	3.81962E-05	0.000602555	0.000230973	0.14969632	2.02729E-06	0.000177935	0.000336974	0.001120407	0.001214928
2045 Nov	0.013981038	6.05122E-06	1.814213276	3.839245081	0.029700141	0.000452167	6.479452133	0.003984636	0.004228765	3.82092E-05	0.000602758	0.000231051	0.149747118	2.02798E-06	0.000177995	0.000337088	0.00112079	0.001215339
2045 Dec	0.013982201	6.05167E-06	1.814344764	3.8395226	0.02970228	0.0004522	6.479922295	0.003984923	0.004229087	3.82119E-05	0.000602801	0.000231068	0.149757966	2.02813E-06	0.000178008	0.000337113	0.001120872	0.001215426
2046 Jan	0.013982552	6.05175E-06	1.814366937	3.83956933	0.029702691	0.000452206	6.48000145	0.003984968	0.004229147	3.82127E-05	0.000602808	0.00023107	0.149759784	2.02815E-06	0.00017801	0.000337117	0.001120885	0.001215439

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.013982943	6.05184E-06	1.814394951	3.839628935	0.029703224	0.000452212	6.480101585	0.003985027	0.004229215	3.82137E-05	0.000602817	0.000231074	0.149762109	2.02818E-06	0.000178013	0.000337123	0.001120902	0.001215457
2046 Mar	0.013985237	6.05279E-06	1.814680099	3.840232849	0.029707931	0.000452283	6.481120586	0.003985652	0.004229881	3.822E-05	0.000602911	0.00023111	0.149785653	2.0285E-06	0.000178041	0.000337176	0.001121078	0.001215647
2046 Apr	0.013994727	6.05688E-06	1.81590426	3.842823744	0.029727997	0.000452588	6.485492229	0.00398834	0.004232735	3.82459E-05	0.000603318	0.000231266	0.149886712	2.02987E-06	0.000178161	0.000337404	0.001121834	0.001216467
2046 May	0.014035978	6.08771E-06	1.822783351	3.860008478	0.029883567	0.000454781	6.501867771	0.004008433	0.004241251	3.83649E-05	0.000606505	0.000232381	0.150598884	2.03414E-06	0.000179074	0.000339073	0.001125225	0.001223017
2046 Jun	0.014372032	6.92317E-06	1.949032068	4.257050991	0.03398145	0.000510492	6.498847008	0.004542918	0.004182171	3.90563E-05	0.000694193	0.000260617	0.168100104	2.01468E-06	0.000203564	0.000382097	0.001166245	0.001405532
2046 Jul	0.014619268	7.37744E-06	2.007730007	4.46053791	0.03616634	0.000539933	6.351099968	0.004838095	0.004134779	4.02442E-05	0.000741288	0.000275706	0.177067697	1.9981E-06	0.000216746	0.000405777	0.001185077	0.001503972
2046 Aug	0.014490466	6.78117E-06	1.906227589	4.163065434	0.033218082	0.000498876	6.131623268	0.004453518	0.004147181	3.93703E-05	0.000677608	0.000255036	0.164026007	2.00536E-06	0.000198949	0.000375409	0.001153521	0.001371186
2046 Sep	0.014188875	6.50995E-06	1.865574479	4.037408829	0.031927917	0.000481352	5.996371269	0.004278469	0.004134099	3.79272E-05	0.000650198	0.00024601	0.158641666	1.99911E-06	0.000191217	0.000360896	0.001135823	0.00131441
2046 Oct	0.014077106	6.39581E-06	1.850078225	3.98453784	0.031366281	0.000473975	5.94140625	0.004204158	0.004143242	3.81559E-05	0.000638558	0.00024216	0.156361371	1.9955E-06	0.000187926	0.000354748	0.001127969	0.001290322
2046 Nov	0.014086099	6.42168E-06	1.854406118	3.997413397	0.031493872	0.000475772	5.94545126	0.004220862	0.004142668	3.81588E-05	0.000641292	0.000243055	0.156923816	1.9955E-06	0.000188697	0.000356059	0.001129402	0.001296037
2046 Dec	0.014087003	6.42204E-06	1.854507327	3.997630835	0.031495575	0.000475799	5.945776939	0.004221091	0.004142908	3.81609E-05	0.000641326	0.000243068	0.156932339	1.99561E-06	0.000188708	0.000356078	0.001129464	0.001296107
2047 Jan	0.01408726	6.42209E-06	1.854519844	3.997657537	0.031495832	0.000475802	5.945817471	0.004221116	0.004142943	3.81614E-05	0.00064133	0.00024307	0.156933382	1.99562E-06	0.000188709	0.000356081	0.001129472	0.001296114
2047 Feb	0.014087623	6.42218E-06	1.854546666	3.997715712	0.031496353	0.000475809	5.945905209	0.004221175	0.004143006	3.81624E-05	0.000641339	0.000243073	0.156935677	1.99565E-06	0.000188711	0.000356087	0.001129488	0.001296132
2047 Mar	0.014090633	6.42351E-06	1.854931712	3.998545885	0.031502929	0.000475907	5.94713974	0.00422205	0.004143868	3.81705E-05	0.000641472	0.000243124	0.156968266	1.99606E-06	0.00018875	0.000356161	0.001129722	0.0012964
2047 Apr	0.014094354	6.42519E-06	1.855414987	3.999587536	0.031511158	0.000476031	5.948689461	0.00422315	0.004144948	3.81806E-05	0.000641639	0.000243187	0.157009155	1.99658E-06	0.0001888	0.000356254	0.001130017	0.001296738
2047 May	0.014161714	6.48685E-06	1.866380215	4.031075954	0.031832907	0.000480239	5.960309982	0.004262649	0.004147431	3.84147E-05	0.000648074	0.000245323	0.158369243	1.99802E-06	0.000190613	0.000359605	0.00113413	0.001310064
2047 Jun	0.014504148	6.9979E-06	1.945831299	4.279577732	0.034454767	0.000514643	5.963701725	0.00459196	0.004113102	3.97327E-05	0.000701986	0.000262798	0.169296205	1.98616E-06	0.000205701	0.00038679	0.001158754	0.001422397
2047 Jul	0.014611883	6.74269E-06	1.900979519	4.146967888	0.033138279	0.000496392	5.876866341	0.004427741	0.004146686	4.06729E-05	0.000673663	0.000253721	0.163364604	1.99747E-06	0.000197835	0.000374187	0.001148101	0.001363098
2047 Aug	0.014553657	6.37781E-06	1.840770602	3.966600657	0.031322941	0.000471322	5.775586128	0.004192382	0.004165784	4.01359E-05	0.000634561	0.00024111	0.155409873	2.00753E-06	0.000186927	0.000355614	0.001131015	0.001281422
2047 Sep	0.01432638	6.15099E-06	1.806146741	3.859791994	0.030225165	0.000456446	5.693016529	0.004045493	0.004159356	3.90755E-05	0.000611383	0.000233483	0.150814086	2.0038E-06	0.000180389	0.000343508	0.001116885	0.001233299
2047 Oct	0.014227347	6.05536E-06	1.792285562	3.814489365	0.029750803	0.000450177	5.655283451	0.00398321	0.004163641	3.91679E-05	0.000601609	0.000230232	0.148867071	2.00015E-06	0.00017762	0.000338349	0.001110108	0.001213058
2047 Nov	0.014234014	6.07908E-06	1.796131968	3.826155663	0.029867554	0.000451819	5.657520771	0.003998487	0.004162506	3.91642E-05	0.000604117	0.000231048	0.149379402	1.99985E-06	0.000178326	0.000339544	0.001111305	0.001218307
2047 Dec	0.014234947	6.07944E-06	1.796236992	3.826378345	0.02986929	0.000451846	5.657852173	0.003998719	0.00416276	3.91664E-05	0.000604152	0.000231062	0.149388105	1.99996E-06	0.000178337	0.000339564	0.001111371	0.001218377
2048 Jan	0.014235411	6.07959E-06	1.796279907	3.826470137	0.029870037	0.000451857	5.657988548	0.003998813	0.004162865	3.91676E-05	0.000604166	0.000231067	0.149391681	2.00001E-06	0.000178341	0.000339572	0.001111398	0.001218405
2048 Feb	0.014236107	6.07984E-06	1.796352386	3.82662487	0.029871296	0.000451875	5.658217907	0.003998973	0.004163035	3.91695E-05	0.00060419	0.000231076	0.149397731	2.00009E-06	0.000178348	0.000339587	0.001111442	0.001218454
2048 Mar	0.014236277	6.07988E-06	1.796365499	3.826653004	0.02987154	0.000451878	5.658258915	0.003999001	0.004163067	3.91699E-05	0.000604194	0.000231078	0.149398819	2.00011E-06	0.000178349	0.000339589	0.00111145	0.001218462
2048 Apr	0.014243064	6.08325E-06	1.797284484	3.828700542	0.029888282	0.000452125	5.660881519	0.004001217	0.004164931	3.91883E-05	0.000604534	0.000231204	0.149480209	2.00101E-06	0.000178449	0.000339776	0.001111988	0.001219152
2048 May	0.01427119	6.09547E-06	1.800858736	3.836354494	0.029948372	0.000453032	5.672019958	0.004009249	0.004173098	3.92656E-05	0.00060575	0.000231668	0.149779677	2.00494E-06	0.000178807	0.000340458	0.001114185	0.001221606
2048 Jun	0.014333748	6.34654E-06	1.83569622	3.951657057	0.031164415	0.000469518	5.641939163	0.004168771	0.004142234	3.93376E-05	0.00063208	0.000240017	0.15492326	1.99259E-06	0.000186126	0.000353234	0.001124169	0.001276467
2048 Jul	0.01442769	6.41927E-06	1.840657949	3.977189302	0.031479575	0.000473579	5.576430321	0.00421447	0.004131403	3.98672E-05	0.000639002	0.000242155	0.156062767	1.98716E-06	0.000188054	0.000357095	0.001126171	0.001290843
2048 Aug	0.014395094	6.20882E-06	1.80559063	3.872972965	0.030433575	0.000459133	5.514874935	0.004078858	0.004140588	3.94719E-05	0.000616421	0.000234882	0.151467651	1.99305E-06	0.000181764	0.000346352	0.001116227	0.001243724
2048 Sep	0.014227375	5.99826E-06	1.773513794	3.773378134	0.02941124	0.000445205	5.4599576	0.00394243	0.004140748	3.87217E-05	0.000594692	0.000227769	0.147154897	1.9919E-06	0.000175647	0.00033525	0.001103991	0.001198519
2048 Oct	0.014143118	5.90304E-06	1.759099603	3.727636814	0.028940305	0.000438881	5.430799007	0.003880471	0.004143763	3.87856E-05	0.000584886	0.000224514	0.145185038	1.98869E-06	0.000172872	0.000330179	0.001097408	0.001178179
2048 Nov	0.014149497	5.91425E-06	1.760929346	3.73308444	0.028994288	0.000439656	5.431819439	0.003887529	0.00414374	3.87858E-05	0.000586038	0.000224891	0.145423517	1.98868E-06	0.000173199	0.000330736	0.001098018	0.001180588
2048 Dec	0.014150409	5.9146E-06	1.761032104	3.733301878	0.028995972	0.000439682	5.432137012	0.003887755	0.00414399	3.8788E-05	0.000586072	0.000224904	0.14543198	1.9888E-06	0.000173209	0.000330755	0.001098082	0.001180656
2049 Jan	0.01415067	5.91467E-06	1.761051655	3.733343124	0.028996322	0.000439686	5.432198524	0.003887796	0.004144041	3.87886E-05	0.000586078	0.000224906	0.145433605	1.98882E-06	0.000173211	0.000330759	0.001098095	0.001180669
2049 Feb	0.014150894	5.91472E-06	1.761067033	3.733376026	0.028996617	0.00043969	5.432246208	0.003887829	0.004144079	3.87892E-05	0.000586083	0.000224908	0.145434886	1.98883E-06	0.000173212	0.000330762	0.001098104	0.001180678
2049 Mar	0.014152403	5.91533E-06	1.761247993	3.733759642	0.028999621	0.000439735	5.432804585	0.003888227	0.004144506	3.87934E-05	0.000586143	0.000224931	0.145449832	1.98904E-06	0.00017323	0.000330796	0.001098217	0.001180799
2049 Apr	0.014159961	5.91848E-06	1.76218462	3.735745668	0.029015057	0.000439969	5.435694218	0.003890295	0.00414671	3.88141E-05	0.000586455	0.000225051	0.145527184	1.9901E-06	0.000173322	0.000330973	0.001098801	0.001181427
2049 May	0.014193726	5.93615E-06	1.766834855	3.746291876	0.029102784	0.000441256	5.447911739	0.003901865	0.004155645	3.8908E-05	0.000588239	0.000225707	0.145949185	1.99443E-06	0.000173842	0.000331946	0.001101468	0.001185057
2049 Jun	0.014214097	6.05543E-06	1.779215336	3.795563459	0.02967079	0.000448656	5.40383625	0.003975418	0.004125284	3.89205E-05	0.000600564	0.000229453	0.148227215	1.98031E-06	0.000177224	0.000337958	0.00110331	0.001210732
2049 Jul	0.014265643	6.02725E-06	1.769535542	3.774153948	0.029499762	0.00044607	5.350718498	0.003956615	0.00412174	3.93451E-05	0.000596974	0.000228214	0.147298038	1.97735E-06	0.000176217	0.000336645	0.001100426	0.001203231
2049 Aug	0.014301832	5.83012E-06	1.740829825	3.680680513	0.028519856	0.00043268	5.331837654	0.00382979	0.004153611	3.92492E-05	0.000575627	0.0002215	0.14308387	1.99291E-06	0.000170307	0.00032678	0.00109507	0.001158429
2049 Sep	0.014163131	5.65385E-06	1.713703513	3.596968651	0.027663905	0.000421	5.290259838	0.003715499	0.00415294	3.8635E-05	0.000557422	0.000215532	0.139462426	1.99145E-06	0.000165181	0.000317491	0.001084628	0.001120562
2049 Oct	0.014092574	5.57462E-06	1.701519012	3.558684826	0.027271891	0.00041573	5.267245293	0.003663843	0.004154623	3.86791E-05	0.000549252	0.000212813	0.137817428	1.98838E-06	0.000162869	0.000313263	0.001078989	0.001103626
2049 Nov	0.014097332	5.58243E-06	1.702899337	3.562623739	0.027310021	0.000416275	5.268339157	0.003668843	0.004154992	3.86839E-05	0.000550064	0.000213083	0.137987673	1.98859E-06	0.0001631	0.000313659	0.001079504	0.001105319
2049 Dec	0.014098396	5.58283E-06	1.703020096	3.562875986	0.027311951	0.000416304	5.268713474	0.003669102	0.004155294	3.86866E-05	0.000550103	0.000213098	0.137997448	1.98874E-06	0.000163111	0.000313681	0.001079581	0.001105397
2050 Jan	0.014098752	5.58295E-06	1.703053713	3.56294632	0.027312513	0.000416313	5.268817902	0.003669173	0.004155379	3.86875E-05	0.000550114	0.000213102	0.138000175	1.98878E-06	0.000163114	0.000313688	0.001079603	0.001105418
2050 Feb	0.014098939	5.58299E-06	1.703067064	3.562974453	0.027312759	0.000416316	5.268859863	0.003669201	0.004155413	3.8688E-05	0.000550118	0.000213104	0.138001248	1.98879E-06	0.000163116	0.00031369	0.001079611	0.001105426
2050 Mar	0.014099264	5.5831E-06	1.703101158	3.563045979	0.027313324	0.000416324	5.268965244	0.003669274	0.004155497	3.86889E-05	0.000550129	0.000213108	0.138004035	1.98883E-06	0.000163119	0.000313697	0.001079632	0.001105448
2050 Apr	0.014104835	5.5853E-06	1.703771472	3.564448118	0.027324084	0.000416488	5.271039009	0.003670718	0.004157132	3.87042E-05	0.000550345	0.000213192	0.138058335	1.98961E-06	0.000163183	0.00031382	0.001080057	0.001105883
2050 May	0.014132016	5.59623E-06	1.707015157	3.571331501	0.027377961	0.000417297	5.280776978	0.003677877	0.004164791	3.87802E-05	0.000551424	0.000213606	0.138326541	1.99327E-06	0.000163502	0.000314435	0.001082083	0.001108054
2050 Jun	0.014168278	5.63804E-06	1.709044218	3.585319281	0.027576031	0.000419568	5.248370647	0.003701999	0.004148245	3.89299E-05	0.000555496	0.000214765	0.139012828	1.98462E-06	0.000164599	0.000316623	0.001081486	0.001116469
2050 Jul	0.014178792	5.59628E-06	1.696111083	3.556456089	0.02734272	0.00041607	5.193084717	0.003674196	0.004135943	3.91945E-05	0.000550636	0.000213044	0.137798727	1.97751E-06	0.000163216	0.000314511	0.001076254	0.001106419
2050 Aug	0.014195823	5.45171E-06	1.674260974	3.487112761	0.026624119	0.000406214	5.175248146	0.003581253	0.004155252	3.90865E-05	0.000535011	0.000208104	0.134687871	1.98725E-06	0.000158884	0.00030725	0.001071649	0.001073673
2050 Sep	0.014173075	5.43902E-06	1.672570586	3.481924534	0.026567789	0.000405482	5.168014526	0.003572936	0.004152519	3.87636E-05	0.000533763	0.000207706	0.13446945	1.98757E-06	0.00015854	0.000306521	0.001071046	0.001071099
2050 Oct	0.01419137	5.45371E-06	1.675794721	3.489990711	0.026639601	0.000406529	5.173731804	0.003582431	0.004156618	3.88037E-05	0.000535265	0.000208231	0.134803981	1.98959E-06	0.000158973	0.000307293	0.001072641	0.001074192
2050 Nov	0.01419856	5.45656E-06	1.676651597	3.49179101	0.026653465	0.00040674	5.176327705	0.003584293	0.004158701	3.88231E-05	0.000535544	0.000208339	0.134873793	1.99059E-06	0.000159055	0.000307452	0.001073185	0.001074753
2050 Dec	0.014199485	5.4569E-06	1.67675674	3.492009878	0.02665513	0.000406766	5.176652908	0.003584517	0.004158966	3.88256E-05	0.000535578	0.000208352	0.134882241	1.99072E-06	0.000159065	0.000307472	0.001073252	0.00107482
2051 Jan	0.014199817	5.45701E-06	1.676790833	3.492080927	0.026655685	0.000406774	5.176758289	0.003584589	0.004159052	3.88264E-05	0.000535588	0.000208356	0.134884983	1.99076E-06	0.000159069	0.000307478	0.001073274	0.001074842
2051 Feb	0.014200051	5.45709E-06	1.676813722	3.492128372	0.026656065	0.00040678	5.176829338	0.003584638	0.004159109	3.88271E-05	0.000535596	0.000208359	0.134886831	1.99078E-06	0.000159071	0.000307482	0.001073288	0.001074856
2051 Mar	0.014200987	5.45744E-06	1.676921606	3.492353201	0.02665779	0.000406806	5.17716217	0.003584868	0.004159377	3.88296E-05	0.00053563	0.000208373	0.134895504	1.99091E-06	0.000159081	0.000307502	0.001073357	0.001074925
2051 Apr	0.014208847	5.46045E-06	1.677848101	3.494282722	0.026672523	0.000407031	5.180022717	0.003586848	0.004161675	3.88511E-05	0.000535926	0.000208488	0.134970039	1.99201E-06	0.000159169	0.000307672	0.00107395	0.001075519
2051 May	0.014245233	5.47419E-06	1.681704164	3.502690077	0.026741879	0.000408025	5.190759182	0.003595719	0.004170321	3.896E-05	0.000537273	0.000208997	0.135300979	1.99608E-06	0.000159565	0.000308457	0.001076305	0.001078231
2051 Jun	0.014264371	5.57685E-06	1.69091773	3.544335604	0.027265841	0.000414344	5.145301342	0.003657849	0.004130822	3.90104E-05	0.000548031	0.000212173	0.137292713	1.97701E-06	0.000162487	0.000313741	0.00107537	0.001100704
2051 Jul	0.014310704	5.67456E-06	1.707764626	3.593189001	0.02774591	0.000421022	5.15186739	0.003720589	0.004132113	3.90716E-05	0.000558303	0.000215549	0.139413595	1.97866E-06	0.000165372	0.000318758	0.001081648	0.001122037
2051 Aug	0.014363841	5.75175E-06	1.722340941	3.633196831	0.028125189	0.00042641	5.165142059	0.003770436	0.004139617	3.91679E-05	0.00056635	0.000218259	0.141123205	1.98305E-06	0.000167656	0.00032271	0.001087631	0.001138757
2051 Sep	0.014351208	5.81657E-06	1.730992556	3.663147449	0.028444286	0.000430828	5.152739525	0.003811967	0.004126045	3.90615E-05	0.000573291	0.000220439	0.142482564	1.97735E-06	0.000169593	0.000325884	0.001089013	0.001153399
2051 Oct	0.014295172	5.86433E-06	1.733397007	3.68074894	0.028673658	0.000433934	5.118794441	0.003841328	0.00409641	3.87885E-05	0.000578437	0.000221894	0.143377766	1.96337E-06	0.000171003	0.000328012	0.001086197	0.001164478
2051 Nov	0.014299646	5.87002E-06	1.734303951	3.683449745	0.028700408	0.000434325	5.118908405	0.00384482	0.004096513	3.87881E-05	0.000579006	0.00022208	0.143496245	1.96336E-06	0.000171166	0.000328289	0.001086502	0.001165667
2051 Dec	0.014300555	5.87038E-06	1.734407067	3.683668137	0.028702106	0.000434351	5.119213104	0.003845048	0.004096763	3.87904E-05	0.00057904	0.000222093	0.143504754	1.96348E-06	0.000171176	0.000328308	0.001086567	0.001165736
2052 Jan	0.014300724	5.87042E-06	1.734418631	3.683692694	0.028702319	0.000434354	5.119247913	0.003845072	0.004096793	3.87908E-05	0.000579044	0.000222095	0.143505707	1.96349E-06	0.000171178	0.000328311	0.001086574	0.001165743
2052 Feb	0.014301246	5.8706E-06	1.734473109	3.683808804	0.02870325	0.000434367	5.119409561	0.003845192	0.004096923	3.87922E-05	0.000579062	0.000222102	0.143510237	1.96355E-06	0.000171183	0.000328322	0.001086608	0.00116578
2052 Mar	0.014303364	5.87145E-06	1.734725356	3.684344292	0.028707439	0.00043443	5.120153427	0.003845751	0.004097519	3.8798E-05	0.000579146	0.000222134	0.143531099	1.96384E-06	0.000171208	0.000328369	0.001086766	0.001165949
2052 Apr	0.014307845	5.87328E-06	1.735266089	3.685492992	0.0287164	0.000434566	5.121750355	0.003846949	0.004098798	3.88101E-05	0.000579326	0.000222203	0.143575847	1.96445E-06	0.000171261	0.000328472	0.001087105	0.001166312
2052 May	0.014345055	5.89214E-06	1.739326954	3.695793629	0.028815154	0.000435867	5.128430367	0.00385893	0.004103872	3.89346E-05	0.000581228	0.000222867	0.144004315	1.96679E-06	0.000171805	0.000329536	0.001089106	0.001170199
2052 Jun	0.014421342	5.96522E-06	1.750185728	3.730332136	0.029195093	0.000440627	5.123198986	0.003904271	0.004097879	3.91944E-05	0.000588765	0.000225278	0.145539746	1.96372E-06	0.000173903	0.000333483	0.001092332	0.001185792
2052 Jul	0.014497085	6.05632E-06	1.767906666	3.778007269	0.029642124	0.00044696	5.142482281	0.003963017	0.004110146	3.93486E-05	0.000598226	0.000228482	0.147563919	1.9704E-06	0.000176589	0.000338193	0.001100041	0.001205379
2052 Aug	0.01455872	6.1258E-06	1.782002568	3.815099478	0.029984474	0.000451854	5.160629749	0.004008119	0.004122051	3.94836E-05	0.000605448	0.000230953	0.149127662	1.97679E-06	0.000178648	0.000341805	0.001106378	0.001220328
2052 Sep	0.014571059	6.17647E-06	1.790235043	3.8400352	0.030234002	0.00045536	5.160491467	0.004040775	0.004119451	3.9474E-05	0.000610809	0.0002327	0.150223136	1.97614E-06	0.000180157	0.000344349	0.001108932	0.001231552
2052 Oct	0.014580385	6.19755E-06	1.793783545	3.850499392	0.030337136	0.000456825	5.161373138	0.004054283	0.00411937	3.94772E-05	0.000613016	0.000233424	0.150679529	1.97624E-06	0.000180781	0.000345411	0.001110137	0.001236163
2052 Nov	0.014586773	6.2004E-06	1.794582844	3.852239609	0.030351024	0.000457033	5.163592815	0.004056136	0.004121141	3.94941E-05	0.000613297	0.00023353	0.150748029	1.97709E-06	0.000180864	0.000345568	0.001110623	0.001236732
2052 Dec	0.014587696	6.20078E-06	1.794691324	3.852471828	0.030352851	0.000457061	5.163905144	0.004056381	0.004121394	3.94965E-05	0.000613334	0.000233544	0.150757134	1.97721E-06	0.000180875	0.000345589	0.001110691	0.001236806

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.014588044	6.2009E-06	1.794728041	3.852550983	0.030353487	0.00045707	5.164011478	0.004056463	0.004121481	3.94974E-05	0.000613346	0.000233549	0.150760219	1.97725E-06	0.000180879	0.000345597	0.001110713	0.001236831
2053 Feb	0.014588869	6.20123E-06	1.794823408	3.852755785	0.030355122	0.000457095	5.164286613	0.004056678	0.0041217	3.94996E-05	0.000613379	0.000233561	0.150768235	1.97736E-06	0.000180888	0.000345615	0.001110772	0.001236897
2053 Mar	0.014591716	6.20243E-06	1.795170426	3.853500843	0.030361	0.000457183	5.16528511	0.004057462	0.004122498	3.95073E-05	0.000613497	0.000233607	0.150797382	1.97774E-06	0.000180923	0.000345682	0.001110987	0.001237136
2053 Apr	0.014600476	6.20615E-06	1.79624629	3.855809927	0.030379202	0.000457457	5.168380737	0.004059893	0.004124969	3.9531E-05	0.000613865	0.000233747	0.150887743	1.97892E-06	0.000181032	0.000345889	0.001111653	0.001237877
2053 May	0.014667289	6.23154E-06	1.801224589	3.869112492	0.030519636	0.000459134	5.17459631	0.004075491	0.004130009	3.97806E-05	0.000616369	0.000234604	0.151449993	1.98087E-06	0.000181744	0.000347393	0.001113939	0.001242968
2053 Jun	0.014715149	6.32051E-06	1.810250163	3.907233953	0.031000484	0.000464747	5.140161037	0.004130431	0.004098441	4.00337E-05	0.000625789	0.00023744	0.153245986	1.96569E-06	0.000184317	0.000352183	0.00111347	0.001262685
2053 Jul	0.01479541	6.40106E-06	1.827010393	3.950628519	0.031397641	0.00047041	5.164002895	0.004182704	0.004114847	4.02204E-05	0.000634147	0.000240313	0.155065656	1.97426E-06	0.000186699	0.00035643	0.001121359	0.001279918
2053 Aug	0.014900195	6.47358E-06	1.84412694	3.99180603	0.031754889	0.000475611	5.198735714	0.004229969	0.004140846	4.0487E-05	0.000641556	0.000242954	0.156749666	1.98719E-06	0.000188837	0.000360313	0.001130403	0.001295106
2053 Sep	0.014964828	6.51649E-06	1.854438066	4.01636982	0.031966403	0.000478699	5.220458508	0.004257972	0.004157215	4.06534E-05	0.000645933	0.000244522	0.157750666	1.9953E-06	0.000190103	0.000362622	0.001135934	0.001304071
2053 Oct	0.014982519	6.53519E-06	1.858323574	4.026472569	0.032058854	0.000480025	5.225887775	0.004270158	0.004160877	4.06936E-05	0.00064788	0.000245191	0.158174708	1.99722E-06	0.000190659	0.000363603	0.001137721	0.001308095
2053 Nov	0.014983705	6.54101E-06	1.859234571	4.029297352	0.032087415	0.000480428	5.225662231	0.004273894	0.004160435	4.06906E-05	0.000648495	0.00024539	0.15829955	1.99707E-06	0.000190832	0.000363894	0.001137981	0.001309386
2053 Dec	0.014984211	6.54121E-06	1.859290361	4.029418468	0.032088377	0.000480442	5.225819588	0.004274022	0.004160565	4.06919E-05	0.000648514	0.000245397	0.158304289	1.99713E-06	0.000190838	0.000363905	0.001138016	0.001309424
2054 Jan	0.01498444	6.54128E-06	1.859310269	4.029461384	0.032088738	0.000480447	5.225876331	0.004274067	0.004160613	4.06924E-05	0.000648521	0.0002454	0.158305973	1.99715E-06	0.00019084	0.000363909	0.001138028	0.001309438
2054 Feb	0.014984884	6.54144E-06	1.859357119	4.029562473	0.032089572	0.000480459	5.226008415	0.004274174	0.004160719	4.06936E-05	0.000648537	0.000245406	0.158309981	1.9972E-06	0.000190844	0.000363919	0.001138056	0.001309471
2054 Mar	0.014985103	6.54152E-06	1.859379411	4.029611588	0.032089978	0.000480465	5.226071835	0.004274224	0.00416077	4.06942E-05	0.000648545	0.000245409	0.158311889	1.99722E-06	0.000190847	0.000363923	0.00113807	0.001309486
2054 Apr	0.014992853	6.5449E-06	1.860338449	4.031689644	0.032106537	0.000480713	5.228767872	0.004276429	0.004162916	4.07152E-05	0.000648879	0.000245536	0.158393532	1.99825E-06	0.000190945	0.000364111	0.001138657	0.001310161
2054 May	0.0150306	6.563E-06	1.864613891	4.041959763	0.032199617	0.000481986	5.237613678	0.004288025	0.004169806	4.08337E-05	0.000650695	0.000246185	0.15881297	2.00149E-06	0.000191469	0.000365129	0.00114095	0.001313858
2054 Jun	0.015055777	6.64517E-06	1.872477174	4.076417446	0.03263383	0.000487136	5.203130722	0.004338572	0.004138657	4.09677E-05	0.000659402	0.000248783	0.160448596	1.98663E-06	0.000193841	0.000369462	0.001140238	0.00133209
2054 Jul	0.015073714	6.73247E-06	1.885985017	4.118422508	0.033061665	0.000493031	5.199045181	0.004394389	0.004131405	4.09441E-05	0.000668638	0.000251754	0.162306935	1.98417E-06	0.000196421	0.000373853	0.001144301	0.001351368
2054 Aug	0.01512177	6.80885E-06	1.900269032	4.157929897	0.033437889	0.000498366	5.211094379	0.004443816	0.004137747	4.10297E-05	0.000676631	0.000254437	0.163998768	1.98807E-06	0.000198687	0.000377766	0.00115005	0.001367985
2054 Sep	0.015146354	6.85702E-06	1.908875346	4.18239975	0.03367459	0.000501723	5.216145515	0.004474881	0.004139687	4.10607E-05	0.000681677	0.000256115	0.165055528	1.98951E-06	0.000200115	0.000380211	0.001153278	0.001378503
2054 Oct	0.015141935	6.87976E-06	1.911822915	4.192781448	0.033785656	0.000503273	5.211340904	0.004489365	0.004134716	4.10165E-05	0.0006841	0.000256874	0.165528595	1.98734E-06	0.000200792	0.000381315	0.001153688	0.001383622
2054 Nov	0.015141067	6.88614E-06	1.912616253	4.195635319	0.033816434	0.000503706	5.209844112	0.004493374	0.004133273	4.10027E-05	0.000684772	0.000257083	0.165659338	1.98668E-06	0.000200981	0.000381621	0.001153779	0.001385042
2054 Dec	0.01514237	6.8867E-06	1.912773013	4.195978165	0.033819199	0.000503748	5.210271835	0.004493741	0.004133618	4.10061E-05	0.000684828	0.000257104	0.165672898	1.98684E-06	0.000200997	0.000381652	0.001153874	0.001385155
2055 Jan	0.015142567	6.88676E-06	1.912788153	4.196011543	0.033819489	0.000503752	5.210313797	0.004493776	0.004133654	4.10066E-05	0.000684833	0.000257106	0.16567421	1.98685E-06	0.000200999	0.000381655	0.001153883	0.001385165
2055 Feb	0.015142721	6.8868E-06	1.912798405	4.196034431	0.033819698	0.000503754	5.210342407	0.004493799	0.004133678	4.1007E-05	0.000684836	0.000257107	0.165675104	1.98687E-06	0.000201	0.000381658	0.001153889	0.001385172
2055 Mar	0.015143564	6.88716E-06	1.912899733	4.196256638	0.033821512	0.000503781	5.210618973	0.004494036	0.004133898	4.10092E-05	0.000684872	0.00025712	0.16568388	1.98697E-06	0.00020101	0.000381678	0.00115395	0.001385245
2055 Apr	0.015149991	6.89007E-06	1.913708687	4.198030949	0.033835817	0.000503994	5.212822437	0.004495936	0.004135646	4.10266E-05	0.000685162	0.000257229	0.165753946	1.98781E-06	0.000201095	0.000381839	0.001154438	0.001385831
2055 May	0.015177327	6.9025E-06	1.917160392	4.205603123	0.033896852	0.000504903	5.222225189	0.004504045	0.004143106	4.11007E-05	0.000686398	0.000257693	0.166052908	1.9914E-06	0.000201458	0.000382528	0.00115652	0.00138833
2055 Jun	0.015149625	6.97315E-06	1.923010111	4.232963085	0.034228053	0.000509183	5.188997269	0.004546283	0.00411516	4.08881E-05	0.000693767	0.000259836	0.167374432	1.97815E-06	0.000203449	0.000385933	0.001155968	0.001403699
2055 Jul	0.01519249	7.06407E-06	1.938126445	4.277546883	0.034671158	0.000515318	5.19218111	0.004604083	0.004114589	4.09287E-05	0.000703269	0.000262935	0.169320524	1.97864E-06	0.000206111	0.000390576	0.001161481	0.001423412
2055 Aug	0.015279996	7.13453E-06	1.953824162	4.316580296	0.035018273	0.000520328	5.219861031	0.004649889	0.004134705	4.11434E-05	0.000710511	0.000265474	0.170935512	1.9888E-06	0.000208191	0.000394309	0.001169345	0.00143831
2055 Sep	0.015298128	7.18272E-06	1.962104321	4.340758324	0.035255544	0.000523678	5.222659588	0.004681004	0.00413465	4.1156E-05	0.000715589	0.000267148	0.171987325	1.98935E-06	0.000209624	0.000396745	0.001172225	0.001448916
2055 Oct	0.015313231	7.20144E-06	1.965758681	4.350598335	0.035347622	0.000524996	5.22664547	0.004693115	0.004137184	4.11847E-05	0.000717536	0.000267808	0.172405109	1.9907E-06	0.000210179	0.000397714	0.00117379	0.001452956
2055 Nov	0.015318876	7.2065E-06	1.966828704	4.353336811	0.035372432	0.000525355	5.228278637	0.004696384	0.004138359	4.11969E-05	0.000718056	0.000267988	0.172519535	1.99129E-06	0.000210328	0.000397979	0.001174299	0.001454029
2055 Dec	0.015319661	7.2072E-06	1.966977715	4.353717804	0.035375878	0.000525405	5.228508472	0.004696838	0.004138524	4.11986E-05	0.000718128	0.000268013	0.172535434	1.99138E-06	0.000210349	0.000398016	0.00117437	0.001454178
2056 Jan	0.015320089	7.20736E-06	1.967020273	4.353811741	0.035376672	0.000525416	5.228622913	0.004696938	0.004138618	4.11997E-05	0.000718144	0.000268019	0.17253916	1.99142E-06	0.000210353	0.000398024	0.001174396	0.001454209
2056 Feb	0.015320462	7.20749E-06	1.967056155	4.353891373	0.03537735	0.000525425	5.228718758	0.004697022	0.004138695	4.12007E-05	0.000718156	0.000268024	0.172542304	1.99145E-06	0.000210357	0.000398032	0.001174417	0.001454235
2056 Mar	0.015321619	7.20801E-06	1.967198491	4.354206562	0.035379931	0.000525463	5.229097366	0.004697361	0.004138995	4.12038E-05	0.000718208	0.000268043	0.172554791	1.9916E-06	0.000210372	0.000398061	0.001174502	0.00145434
2056 Apr	0.015329326	7.21162E-06	1.968184233	4.356388569	0.035397671	0.000525727	5.23171854	0.004699715	0.00414107	4.12245E-05	0.000718568	0.000268178	0.172641277	1.9926E-06	0.000210478	0.000398261	0.00117509	0.001455068
2056 May	0.01538574	7.23491E-06	1.973112345	4.368973255	0.035522807	0.000527303	5.23964119	0.004714246	0.004147366	4.14234E-05	0.000720878	0.000268982	0.173165813	1.99532E-06	0.000211138	0.000399612	0.001177522	0.001459766
2056 Jun	0.015431225	7.31418E-06	1.980945468	4.402789593	0.035955064	0.000532289	5.207520008	0.004763163	0.004118009	4.16738E-05	0.00072928	0.000271504	0.174764454	1.98116E-06	0.000213431	0.000403908	0.001176868	0.001477358
2056 Jul	0.015530859	7.39561E-06	1.998707891	4.447389126	0.036355264	0.00053803	5.237328053	0.004815844	0.004139742	4.19138E-05	0.000737639	0.000274418	0.176616177	1.9921E-06	0.000215825	0.000408222	0.001185705	0.001494541
2056 Aug	0.01560343	7.47103E-06	2.014199734	4.487815857	0.036726814	0.000543339	5.258384228	0.004864741	0.00415395	4.20775E-05	0.000745456	0.000277101	0.178315938	1.99958E-06	0.000218055	0.000412155	0.001192803	0.001510701
2056 Sep	0.015656533	7.51902E-06	2.024493217	4.514005184	0.036963399	0.000546746	5.274603844	0.004895911	0.004165443	4.22017E-05	0.000750409	0.000278821	0.17940791	2.00545E-06	0.000219474	0.000414683	0.001197748	0.001520919
2056 Oct	0.015647719	7.54303E-06	2.027485132	4.524896622	0.037081312	0.000548384	5.268587112	0.004911304	0.004159237	4.21458E-05	0.000752995	0.000279624	0.179907501	2.00277E-06	0.000220195	0.000415847	0.001198033	0.001526391
2056 Nov	0.015649799	7.54917E-06	2.028480768	4.527904034	0.037111294	0.000548809	5.268601894	0.004915233	0.00415901	4.21444E-05	0.000753639	0.000279834	0.180039525	2.0027E-06	0.000220377	0.000416154	0.001198345	0.00152774
2056 Dec	0.01565071	7.54958E-06	2.028590918	4.528149605	0.037113301	0.000548839	5.26888895	0.004915499	0.004159243	4.21467E-05	0.00075368	0.000279849	0.180049285	2.00281E-06	0.000220389	0.000416177	0.001198411	0.001527822
2057 Jan	0.015651127	7.54975E-06	2.028635502	4.528248787	0.037114132	0.000548851	5.269004822	0.004915605	0.004159337	4.21477E-05	0.000753696	0.000279855	0.180053219	2.00286E-06	0.000220394	0.000416186	0.001198437	0.001527855
2057 Feb	0.01565142	7.54986E-06	2.028664112	4.52831316	0.037114687	0.000548859	5.269080162	0.004915673	0.004159397	4.21485E-05	0.000753707	0.000279859	0.180055782	2.00289E-06	0.000220397	0.000416192	0.001198454	0.001527876
2057 Mar	0.015653545	7.55086E-06	2.028934479	4.528916359	0.037119649	0.000548932	5.26978302	0.004916328	0.004159953	4.21542E-05	0.000753807	0.000279896	0.180079773	2.00315E-06	0.000220426	0.000416248	0.001198614	0.00152808
2057 Apr	0.015661888	7.55488E-06	2.030013084	4.53132391	0.03713939	0.000549224	5.272584438	0.004918941	0.004162164	4.21767E-05	0.000754208	0.000280045	0.180175498	2.00422E-06	0.000220543	0.000416469	0.001199251	0.001528892
2057 May	0.015705384	7.57497E-06	2.035063505	4.54301548	0.0372409	0.000550655	5.284412861	0.004931867	0.004171505	4.23057E-05	0.000756211	0.000280775	0.180646747	2.00864E-06	0.000221125	0.000417594	0.001202107	0.001532958
2057 Jun	0.01572223	7.65065E-06	2.041885614	4.573855877	0.037630729	0.000555316	5.250881195	0.00497778	0.004142192	4.23677E-05	0.000764161	0.000283123	0.182120949	1.99451E-06	0.000223283	0.000421522	0.001201393	0.001549564
2057 Jul	0.015799684	7.73479E-06	2.05866003	4.618270874	0.038044021	0.000561169	5.271395683	0.005032016	0.004155975	4.25361E-05	0.000772881	0.00028609	0.183997557	2.00178E-06	0.00022576	0.000425928	0.001209023	0.001567557
2057 Aug	0.015945233	7.82468E-06	2.080540419	4.669940948	0.038487189	0.000567625	5.318969727	0.005090522	0.004192289	4.29166E-05	0.000782007	0.000289372	0.186096504	2.0196E-06	0.000228401	0.000430788	0.001220957	0.001586209
2057 Sep	0.01598954	7.8742E-06	2.090642452	4.696480751	0.038732015	0.000571125	5.332160473	0.005122739	0.00420097	4.30161E-05	0.000787165	0.000291139	0.187214479	2.02424E-06	0.000229872	0.000433378	0.001225513	0.001596882
2057 Oct	0.015994776	7.89743E-06	2.094460011	4.70800209	0.038846817	0.00057274	5.332276344	0.005137795	0.004199881	4.30115E-05	0.000789636	0.000291944	0.187719673	2.024E-06	0.000230567	0.000434551	0.001226708	0.001602055
2057 Nov	0.016000992	7.90216E-06	2.095513821	4.710617065	0.038870055	0.000573077	5.334150314	0.005140856	0.004201275	4.30261E-05	0.000790119	0.000292114	0.187827826	2.02469E-06	0.000230707	0.000434802	0.001227238	0.001603049
2057 Dec	0.016002057	7.90266E-06	2.095646381	4.710915089	0.03887251	0.000573114	5.334489346	0.005141181	0.004201547	4.30288E-05	0.000790169	0.000292132	0.187839717	2.02482E-06	0.000230721	0.000434829	0.001227316	0.001603151
2058 Jan	0.016002186	7.9027E-06	2.095654964	4.710934639	0.038872685	0.000573116	5.334512234	0.005141201	0.004201568	4.30291E-05	0.000790172	0.000292134	0.187840492	2.02483E-06	0.000230722	0.000434831	0.001227321	0.001603157
2058 Feb	0.016002368	7.90276E-06	2.095670938	4.710969448	0.038873002	0.00057312	5.334552765	0.005141239	0.0042016	4.30296E-05	0.000790178	0.000292136	0.187841892	2.02484E-06	0.000230724	0.000434835	0.00122733	0.001603168
2058 Mar	0.016003055	7.90308E-06	2.095756531	4.711162567	0.038874608	0.000573144	5.334771633	0.005141449	0.004201773	4.30314E-05	0.00079021	0.000292148	0.187849596	2.02492E-06	0.000230733	0.000434853	0.001227381	0.001603234
2058 Apr	0.016008332	7.90568E-06	2.096445322	4.7127108 57	0.038887385	0.000573332	5.336524487	0.005143138	0.004203154	4.30456E-05	0.00079047	0.000292244	0.187911317	2.02559E-06	0.000230809	0.000434996	0.001227784	0.00160376
2058 May	0.016070765	7.93026E-06	2.101412058	4.725741863	0.039021675	0.000574971	5.3434515	0.005158329	0.004208718	4.32735E-05	0.000792899	0.000293081	0.188459054	2.02786E-06	0.000231501	0.000436438	0.001230135	0.0016087
2058 Jun	0.016088249	8.00747E-06	2.105014086	4.75456953	0.039458517	0.000579577	5.286124229	0.005205021	0.004158545	4.34999E-05	0.000801205	0.000295406	0.189928383	2.00354E-06	0.000233721	0.000440638	0.001225557	0.001626229
2058 Jul	0.016165059	8.09157E-06	2.121977091	4.799304962	0.03987341	0.000585461	5.307569981	0.005259493	0.004172795	4.36739E-05	0.00080995	0.000298389	0.191815481	2.01112E-06	0.000236207	0.000445052	0.001233273	0.001644287
2058 Aug	0.016256314	8.16776E-06	2.138656616	4.841216564	0.040249504	0.000590863	5.335566044	0.005308984	0.004192915	4.38985E-05	0.000817795	0.000301126	0.193555638	2.02134E-06	0.000238456	0.000449085	0.001241485	0.001660439
2058 Sep	0.016269101	8.2183E-06	2.146989584	4.866247177	0.040498361	0.000594373	5.336145401	0.005341636	0.004190893	4.38896E-05	0.000823148	0.000302875	0.194652483	2.02096E-06	0.000239965	0.000451628	0.001244135	0.001671645
2058 Oct	0.016271997	8.24002E-06	2.150245905	4.876610279	0.0406042	0.000595871	5.334458351	0.005355505	0.004188634	4.38686E-05	0.000825438	0.00030361	0.195113644	2.02004E-06	0.00024061	0.000452699	0.001244971	0.001676458
2058 Nov	0.016277928	8.24504E-06	2.151307583	4.879320621	0.040628754	0.000596227	5.336098194	0.005358734	0.004189838	4.38813E-05	0.000825951	0.000303788	0.195226833	2.02064E-06	0.000240757	0.000452962	0.001245479	0.001677516
2058 Dec	0.016278487	8.2453E-06	2.151374102	4.879470348	0.040629998	0.000596245	5.336263657	0.005358898	0.004189973	4.38827E-05	0.000825976	0.000303797	0.195232838	2.0207E-06	0.000240764	0.000452976	0.001245518	0.001677567
2059 Jan	0.016278597	8.24532E-06	2.151379108	4.879482269	0.04063011	0.000596247	5.336277008	0.00535891	0.004189986	4.38829E-05	0.000825978	0.000303798	0.1952333	2.0207E-06	0.000240765	0.000452977	0.001245521	0.001677571
2059 Feb	0.01627879	8.24538E-06	2.151395559	4.879519939	0.040630452	0.000596251	5.336319447	0.00535895	0.00419002	4.38834E-05	0.000825984	0.0003038	0.195234805	2.02072E-06	0.000240767	0.000452981	0.00124553	0.001677583
2059 Mar	0.016278896	8.24542E-06	2.151404858	4.879540443	0.040630639	0.000596253	5.336342335	0.005358972	0.004190038	4.38837E-05	0.000825988	0.000303801	0.195235625	2.02073E-06	0.000240768	0.000452983	0.001245535	0.00167759
2059 Apr	0.016285278	8.24864E-06	2.152245283	4.881446838	0.04064652	0.000596486	5.338427067	0.005361065	0.004191676	4.39009E-05	0.00082631	0.00030392	0.195311889	2.02152E-06	0.000240862	0.00045316	0.001246022	0.001678245
2059 May	0.016335476	8.27005E-06	2.157068014	4.893313408	0.040759098	0.00059796	5.347560406	0.005374551	0.004198931	4.40685E-05	0.000828435	0.000304672	0.195800543	2.02479E-06	0.000241473	0.000454386	0.00124854	0.001682563
2059 Jun	0.016422262	8.34017E-06	2.167584419	4.92684269	0.041134533	0.000602544	5.342708588	0.005418241	0.004192995	4.44054E-05	0.000835686	0.000306999	0.197289854	2.02168E-06	0.000243493	0.000458261	0.001251538	0.001697574
2059 Jul	0.016565684	8.43141E-06	2.189258099	4.978662014	0.041584395	0.000609052	5.387693882	0.00547741	0.00422728	4.47785E-05	0.000844955	0.000310309	0.199404582	2.03849E-06	0.000246168	0.000463189	0.001263199	0.001716521
2059 Aug	0.016683942	8.50875E-06	2.207577467	5.022603035	0.041966386	0.000614584	5.425314903	0.005527685	0.004255701	4.50873E-05	0.000852831	0.000313119	0.201199636	2.0525E-06	0.000248441	0.000467355	0.001272959	0.001732645
2059 Sep	0.016721508	8.56115E-06	2.217651129	5.050039768	0.042225141	0.000618268	5.435281277	0.005561685	0.004261567	4.51596E-05	0.000858313	0.00031497	0.202368557	2.05582E-06	0.000249999	0.000470066	0.001277161	0.001744027
2059 Oct	0.016666509	8.58432E-06	2.217511892	5.057293892	0.042334937	0.000619757	5.410079479	0.005575977	0.004239594	4.49303E-05	0.000860902	0.00031565	0.202777445	2.04557E-06	0.000250698	0.000471015	0.001274414	0.001749697
2059 Nov	0.016667755	8.58972E-06	2.218253374	5.059753418	0.042360496	0.000620125	5.409351826	0.005579322	0.004238911	4.49219E-05	0.000861455	0.000315826	0.202888235	2.04523E-06	0.000250855	0.000471273	0.001274573	0.001750864

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.016668225	8.58993E-06	2.218307734	5.059876442	0.04236152	0.000620141	5.409485817	0.005579458	0.004239022	4.4923E-05	0.000861476	0.000315833	0.202893168	2.04528E-06	0.000250861	0.000471284	0.001274604	0.001750907
2060 Jan	0.016668621	8.5901E-06	2.218350887	5.05997467	0.042362366	0.000620153	5.409591675	0.005579564	0.004239108	4.4924E-05	0.000861493	0.000315839	0.202897102	2.04532E-06	0.000250866	0.000471293	0.001274629	0.00175094
2060 Feb	0.016669035	8.59027E-06	2.218395948	5.060078144	0.042363256	0.000620165	5.409703255	0.005579677	0.004239196	4.49251E-05	0.00086151	0.000315846	0.202901259	2.04536E-06	0.000250871	0.000471303	0.001274655	0.001750975
2060 Mar	0.01667021	8.59086E-06	2.218547106	5.060422897	0.042366154	0.000620207	5.410071373	0.005580056	0.004239486	4.49283E-05	0.000861569	0.000315867	0.202915043	2.0455E-06	0.000250888	0.000471335	0.001274741	0.001751094
2060 Apr	0.016679421	8.59559E-06	2.219769955	5.063211918	0.04238952	0.000620549	5.413054466	0.005583132	0.004241823	4.49531E-05	0.000862043	0.000316041	0.203026906	2.04663E-06	0.000251026	0.000471595	0.001275444	0.001752059
2060 May	0.016751932	8.6229E-06	2.224706888	5.077087879	0.042543299	0.00062232	5.417097092	0.005599744	0.004245124	4.52349E-05	0.000864737	0.000316947	0.203622133	2.04764E-06	0.000251787	0.000473226	0.0012775	0.001757546
2060 Jun	0.016796762	8.69277E-06	2.231745005	5.107102871	0.042926915	0.000626722	5.389537334	0.005642924	0.004219795	4.54819E-05	0.000872146	0.000319176	0.205037534	2.0354E-06	0.00025381	0.000477041	0.001277016	0.001773049
2060 Jul	0.016937809	8.79071E-06	2.254260778	5.161986828	0.043410432	0.00063368	5.432836056	0.005706422	0.00425227	4.5845E-05	0.000882144	0.000322712	0.207292676	2.05146E-06	0.000256686	0.000482303	0.001288771	0.001793534
2060 Aug	0.017008217	8.87722E-06	2.271380901	5.207741261	0.043837614	0.000639759	5.452574253	0.00576254	0.004264635	4.59969E-05	0.00089116	0.000325778	0.209231168	2.05827E-06	0.000259251	0.000486793	0.001296226	0.001812218
2060 Sep	0.016969446	8.92624E-06	2.276367664	5.22862339	0.044074584	0.000643049	5.433304787	0.005793607	0.004245914	4.58071E-05	0.000896441	0.000327377	0.210218251	2.0501E-06	0.000260713	0.000489056	0.001295719	0.001823471
2060 Oct	0.016964018	8.94713E-06	2.278968811	5.238011837	0.044175461	0.000644474	5.428296566	0.005806837	0.004240965	4.57549E-05	0.000898658	0.000328067	0.210648611	2.04788E-06	0.000261333	0.000490054	0.001295995	0.001828164
2060 Nov	0.016960705	8.95169E-06	2.279352903	5.239847183	0.044196986	0.000644779	5.426074982	0.005809656	0.004239014	4.57332E-05	0.000899141	0.00032821	0.210737258	2.04695E-06	0.000261468	0.00049026	0.001295879	0.001829198
2060 Dec	0.016961897	8.95229E-06	2.279503107	5.240191936	0.044199888	0.000644822	5.42643404	0.005810037	0.004239302	4.57362E-05	0.0008992	0.000328231	0.210751131	2.04709E-06	0.000261485	0.000490292	0.001295965	0.001829317
2061 Jan	0.016962092	8.95234E-06	2.279517889	5.240226269	0.044200201	0.000644826	5.426471233	0.005810074	0.004239333	4.57367E-05	0.000899205	0.000328234	0.210752502	2.0471E-06	0.000261487	0.000490295	0.001295974	0.001829329
2061 Feb	0.016962275	8.9524E-06	2.27953124	5.240256786	0.044200491	0.00064483	5.426503658	0.005810106	0.00423936	4.57372E-05	0.00089921	0.000328235	0.210753724	2.04711E-06	0.000261488	0.000490298	0.001295981	0.001829339
2061 Mar	0.016962951	8.95273E-06	2.279616117	5.24045229	0.044202156	0.000644854	5.426706791	0.005810322	0.004239519	4.5739E-05	0.000899244	0.000328248	0.210761592	2.04719E-06	0.000261498	0.000490317	0.001296029	0.001829407
2061 Apr	0.016971949	8.95747E-06	2.280822039	5.243224144	0.044225544	0.000645195	5.429576874	0.005813395	0.004241762	4.57632E-05	0.000899719	0.000328421	0.210873052	2.04827E-06	0.000261636	0.000490576	0.001296715	0.001830374
2061 May	0.017050028	8.9831E-06	2.285544157	5.256302834	0.044372082	0.000646841	5.434131145	0.005828807	0.004245739	4.60675E-05	0.000902211	0.000329264	0.211431593	2.04949E-06	0.000262341	0.00049214	0.001298768	0.001835423
2061 Jun	0.017026538	9.04328E-06	2.28747344	5.278087139	0.04470991	0.000650454	5.38292408	0.005865791	0.004200218	4.612E-05	0.00090885	0.000331087	0.212569192	2.02797E-06	0.000264106	0.000495325	0.001294168	0.001849531
2061 Jul	0.017161384	9.14553E-06	2.310196638	5.334572315	0.045214672	0.000657684	5.423019409	0.005931995	0.004229768	4.64604E-05	0.000919326	0.000334757	0.214906037	2.04272E-06	0.000267111	0.000500782	0.001305658	0.001871041
2061 Aug	0.017284352	9.22983E-06	2.329703331	5.381999016	0.045631744	0.000663692	5.461008549	0.005986735	0.004258198	4.6781E-05	0.000927933	0.000337808	0.216852754	2.05679E-06	0.00026959	0.000505311	0.001315834	0.001888685
2061 Sep	0.017318396	9.28015E-06	2.339350224	5.408356667	0.045880891	0.000667229	5.47028923	0.006019463	0.004263435	4.68491E-05	0.000933214	0.000339589	0.21797663	2.05986E-06	0.000271089	0.000507917	0.001319826	0.001899654
2061 Oct	0.017259713	9.29946E-06	2.338809013	5.414058685	0.045972768	0.000668468	5.446211338	0.006031562	0.004242192	4.66212E-05	0.000935435	0.000340156	0.218312919	2.05009E-06	0.000271683	0.000508686	0.001317056	0.001904549
2061 Nov	0.017247651	9.30416E-06	2.338678122	5.415392399	0.045994293	0.000668767	5.440517426	0.006034391	0.004237347	4.65669E-05	0.000935953	0.000340288	0.218392015	2.04779E-06	0.000271823	0.000508868	0.001316406	0.001905691
2061 Dec	0.017248496	9.30459E-06	2.338783026	5.415635109	0.045996349	0.000668798	5.440762997	0.00603466	0.004237545	4.6569E-05	0.000935995	0.000340303	0.218401805	2.04788E-06	0.000271835	0.00050889	0.001316466	0.001905776
2062 Jan	0.017248837	9.30472E-06	2.338818073	5.415715694	0.045997053	0.000668808	5.44084549	0.006034748	0.004237612	4.65699E-05	0.000936009	0.000340308	0.218405053	2.04791E-06	0.000271839	0.000508898	0.001316485	0.001905804
2062 Feb	0.017249262	9.30491E-06	2.338864326	5.41582346	0.045998	0.000668821	5.440955162	0.006034867	0.004237698	4.6571E-05	0.000936027	0.000340315	0.218409389	2.04795E-06	0.000271845	0.000508909	0.001316511	0.001905841
2062 Mar	0.017251998	9.30636E-06	2.339229107	5.416667938	0.046005193	0.000668925	5.441803932	0.006035808	0.00423836	4.65784E-05	0.000936173	0.000340368	0.218443453	2.04827E-06	0.000271887	0.000508988	0.001316717	0.001906138
2062 Apr	0.017261691	9.31158E-06	2.340540171	5.419703484	0.046030983	0.0006693	5.444854259	0.00603919	0.004240735	4.66045E-05	0.000936697	0.000340559	0.218565866	2.04942E-06	0.000272039	0.000509274	0.001317454	0.001907206
2062 May	0.017288649	9.32611E-06	2.344194174	5.428164959	0.046102852	0.000670345	5.453353882	0.006048618	0.004247356	4.66773E-05	0.00093816	0.00034109	0.218907088	2.05262E-06	0.000272464	0.000510069	0.001319511	0.001910183
2062 Jun	0.017260039	9.37228E-06	2.347219229	5.444922447	0.046313792	0.000673057	5.427064419	0.006075725	0.004225796	4.6484E-05	0.000942956	0.000342447	0.219738141	2.04232E-06	0.000273748	0.000512247	0.001318609	0.001920178
2062 Jul	0.017287426	9.45455E-06	2.359982014	5.484107971	0.046711348	0.000678532	5.424441814	0.006127609	0.00422104	4.64718E-05	0.000951551	0.00034521	0.221468195	2.04069E-06	0.000276145	0.000516402	0.001322858	0.001938024
2062 Aug	0.017333396	9.5336E-06	2.374394894	5.5245471	0.047099739	0.000684028	5.434669495	0.006178605	0.004225841	4.6544E-05	0.000959818	0.000347971	0.223207653	2.04385E-06	0.000278486	0.000520424	0.001328466	0.001955231
2062 Sep	0.017326159	9.57853E-06	2.380737066	5.545670986	0.047319587	0.000687118	5.428270817	0.006207498	0.0042182	4.64692E-05	0.000964621	0.000349495	0.224158138	2.04079E-06	0.00027983	0.000522617	0.001329742	0.001965357
2062 Oct	0.017204726	9.58748E-06	2.374543667	5.54197073	0.047354363	0.000687526	5.378882408	0.006212115	0.004176714	4.60097E-05	0.000965852	0.000349576	0.22417286	2.02114E-06	0.000280119	0.000522628	0.001322487	0.00196844
2062 Nov	0.017211821	9.59243E-06	2.375510931	5.544496059	0.047377568	0.000687871	5.380169868	0.006215155	0.004177833	4.60193E-05	0.000966335	0.000349742	0.224279448	2.0216E-06	0.000280259	0.000522876	0.001322935	0.001969439
2062 Dec	0.017212767	9.59293E-06	2.37563324	5.544781208	0.04738	0.000687907	5.380447865	0.006215474	0.004178055	4.60217E-05	0.000966384	0.00034976	0.224290967	2.02171E-06	0.000280273	0.000522903	0.001323004	0.001969539
2063 Jan	0.017213089	9.59307E-06	2.375667334	5.54486084	0.047380701	0.000687917	5.38052702	0.006215562	0.004178119	4.60225E-05	0.000966398	0.000349765	0.224294201	2.02174E-06	0.000280277	0.000522911	0.001323023	0.001969567
2063 Feb	0.017213477	9.59324E-06	2.375710726	5.544962406	0.047381591	0.000687929	5.380626202	0.006215674	0.004178197	4.60235E-05	0.000966415	0.000349771	0.224298283	2.02177E-06	0.000280282	0.000522921	0.001323047	0.001969603
2063 Mar	0.017214147	9.5936E-06	2.375797987	5.545166016	0.047383349	0.000687955	5.380824089	0.006215902	0.004178351	4.60253E-05	0.000966545	0.000349784	0.224306539	2.02185E-06	0.000280293	0.00052294	0.001323096	0.001969675
2063 Apr	0.017219415	9.59652E-06	2.376521826	5.54685545	0.047397792	0.000688164	5.382463932	0.006217795	0.004179625	4.60394E-05	0.000966745	0.000349891	0.224374861	2.02246E-06	0.000280378	0.000523099	0.001323499	0.001970275
2063 May	0.017270664	9.61807E-06	2.380923033	5.558332443	0.047514088	0.000689612	5.388783932	0.006231193	0.004184627	4.62224E-05	0.000968885	0.00035063	0.224856481	2.02457E-06	0.000280988	0.000524349	0.001325596	0.001974633
2063 Jun	0.017236099	9.6587E-06	2.375786781	5.56592989	0.047764212	0.000691526	5.314004421	0.00625355	0.004122054	4.62927E-05	0.000973389	0.000351594	0.225456432	1.99396E-06	0.000282106	0.000526566	0.001316648	0.00198431
2063 Jul	0.01725832	9.73768E-06	2.388889313	5.60501194	0.048152864	0.000696926	5.315575123	0.006304496	0.004119547	4.62982E-05	0.000981768	0.000354324	0.227165833	1.99378E-06	0.000284453	0.000530593	0.001321125	0.002001761
2063 Aug	0.017378902	9.82474E-06	2.408542633	5.653441429	0.048583195	0.000703106	5.351702213	0.006360894	0.004146358	4.66071E-05	0.000990666	0.000357457	0.229163408	2.00709E-06	0.000287012	0.000535246	0.001331165	0.002020026
2063 Sep	0.017410351	9.87314E-06	2.417567253	5.6784091	0.048821036	0.00070649	5.359273434	0.006392123	0.004150462	4.66597E-05	0.000995714	0.000359152	0.230233029	2.00953E-06	0.000288445	0.000537722	0.001334794	0.002030523
2063 Oct	0.017391369	9.8897E-06	2.418995142	5.685279369	0.048901416	0.00070761	5.350917339	0.006402731	0.004142573	4.65745E-05	0.000997536	0.000359692	0.230564415	2.00602E-06	0.000288947	0.000538483	0.001334326	0.002034427
2063 Nov	0.017394463	9.89478E-06	2.419894695	5.687840939	0.048926152	0.000707965	5.351438522	0.006405979	0.004142831	4.65773E-05	0.000998063	0.000359867	0.230675057	2.00617E-06	0.000289097	0.00053874	0.001334663	0.002035526
2063 Dec	0.017396137	9.8957E-06	2.420119286	5.688367844	0.048930679	0.000708031	5.351936817	0.006406573	0.004143222	4.65816E-05	0.000998155	0.0003599	0.23069644	2.00636E-06	0.000289124	0.000538789	0.001334787	0.002035714
2064 Jan	0.017396485	9.89585E-06	2.420156956	5.688456535	0.048931461	0.000708042	5.352021217	0.006406671	0.00414329	4.65825E-05	0.000998171	0.000359906	0.230700031	2.00639E-06	0.000289128	0.000538798	0.001334808	0.002035745
2064 Feb	0.017397046	9.89613E-06	2.420224667	5.688615799	0.048932858	0.000708061	5.352171898	0.006406849	0.004143408	4.6584E-05	0.000998198	0.000359916	0.230706483	2.00644E-06	0.000289136	0.000538813	0.001334845	0.002035802
2064 Mar	0.017400244	9.89793E-06	2.420664072	5.689648628	0.048941758	0.00070819	5.353144169	0.006408011	0.004144161	4.65925E-05	0.000998379	0.000359981	0.230748355	2.00681E-06	0.000289189	0.000538911	0.001335087	0.002036171
2064 Apr	0.017406011	9.90119E-06	2.42146349	5.69152689	0.048957925	0.000708424	5.354911804	0.006410127	0.00414553	4.6608E-05	0.000998709	0.0003601	0.230824545	2.00747E-06	0.000289284	0.000539089	0.001335528	0.002036843
2064 May	0.01746151	9.92316E-06	2.425278187	5.702546597	0.049082018	0.000709844	5.357092857	0.006423505	0.004147229	4.68277E-05	0.00100089	0.000360826	0.231300861	2.00785E-06	0.000289898	0.000540397	0.001337015	0.002041295
2064 Jun	0.017467266	9.97331E-06	2.425843239	5.719635487	0.049379408	0.000712722	5.308059216	0.006453549	0.004104611	4.70167E-05	0.001006365	0.000362286	0.232224941	1.98717E-06	0.00029134	0.000543191	0.001332219	0.002052907
2064 Jul	0.017567627	1.00656E-05	2.445001602	5.769193649	0.049834441	0.000719185	5.335476875	0.00651313	0.004123863	4.72547E-05	0.001015883	0.000365561	0.234302849	1.99702E-06	0.000294055	0.000548051	0.001341258	0.002072526
2064 Aug	0.01762484	1.01403E-05	2.459384918	5.808228493	0.050202515	0.000724399	5.350102901	0.006561426	0.004132631	4.73722E-05	0.001023667	0.000368192	0.235964417	2.00197E-06	0.000296265	0.000551904	0.001347331	0.002088673
2064 Sep	0.017610298	1.01822E-05	2.464865685	5.827414513	0.05040592	0.000727267	5.341411591	0.006588245	0.004123227	4.72701E-05	0.001028148	0.000369598	0.236838579	1.99806E-06	0.000297517	0.000553906	0.001348095	0.002098153
2064 Oct	0.017624818	1.01999E-05	2.468150616	5.836452961	0.050491631	0.000728501	5.34433794	0.006599493	0.004125144	4.72905E-05	0.001029961	0.000370208	0.237225235	1.99902E-06	0.000298034	0.000554805	0.00134944	0.002101922
2064 Nov	0.017634107	1.02052E-05	2.469440937	5.839503765	0.050518021	0.000728882	5.34713316	0.006602942	0.004127309	4.73152E-05	0.0010305	0.000370401	0.237349242	2.00006E-06	0.00029819	0.000555095	0.001350146	0.00210302
2064 Dec	0.017635072	1.02057E-05	2.469570398	5.839809418	0.050520662	0.000728921	5.347414494	0.006603287	0.004127529	4.73177E-05	0.001030553	0.00037042	0.237361655	2.00017E-06	0.000298206	0.000555124	0.001350217	0.00210313
2065 Jan	0.017635286	1.02058E-05	2.469593763	5.839864731	0.05052115	0.000728928	5.347465515	0.006603348	0.004127571	4.73182E-05	0.001030563	0.000370424	0.23736392	2.00019E-06	0.000298209	0.000555129	0.00135023	0.002103149
2065 Feb	0.017635826	1.02061E-05	2.469662905	5.840028286	0.050522584	0.000728948	5.347616196	0.006603532	0.004127687	4.73197E-05	0.001030592	0.000370434	0.237370551	2.00024E-06	0.000298217	0.000555145	0.001350268	0.002103208
2065 Mar	0.017639391	1.02082E-05	2.470158577	5.841200352	0.050532732	0.000729094	5.348690033	0.006604857	0.004128517	4.73292E-05	0.001030798	0.000370509	0.23741819	2.00065E-06	0.000298277	0.000555256	0.001350539	0.00210363
2065 Apr	0.017649677	1.02141E-05	2.471596956	5.844601631	0.050562162	0.000729519	5.351804256	0.006608703	0.004130921	4.73568E-05	0.001031399	0.000370724	0.237556443	2.00181E-06	0.00029845	0.00055558	0.001351325	0.002104855
2065 May	0.017714815	1.02415E-05	2.477177858	5.859161377	0.050709773	0.000731356	5.359798431	0.006625703	0.004137255	4.75894E-05	0.001034114	0.000371662	0.238167495	2.00448E-06	0.000299225	0.000557166	0.001353984	0.002110385
2065 Jun	0.017720783	1.02889E-05	2.479402781	5.876823425	0.050975371	0.000734176	5.324691772	0.00665441	0.004106552	4.77038E-05	0.001039228	0.000373091	0.239067554	1.98967E-06	0.000300589	0.000559734	0.001351262	0.002121162
2065 Jul	0.017861821	1.0404E-05	2.504186869	5.939556599	0.051543992	0.000742272	5.364722729	0.006728773	0.004135539	4.80563E-05	0.00105105	0.000377197	0.241678894	2.00424E-06	0.000303971	0.000565855	0.001363435	0.00214547
2065 Aug	0.01797902	1.05008E-05	2.525131941	5.992518425	0.052023128	0.000749115	5.398813725	0.006791488	0.00416001	4.83503E-05	0.001061007	0.000380662	0.243882611	2.01662E-06	0.000306823	0.000570991	0.001373655	0.002165969
2065 Sep	0.017938238	1.05422E-05	2.529328823	6.01035738	0.052224401	0.000751932	5.381905556	0.006818156	0.004143376	4.81662E-05	0.001065548	0.000382033	0.244726166	2.00943E-06	0.000308079	0.000572915	0.001373105	0.002175663
2065 Oct	0.017850701	1.05493E-05	2.525049686	6.008023262	0.052249771	0.000752288	5.346991062	0.006821829	0.004114216	4.78177E-05	0.001066479	0.000382111	0.244749248	1.99555E-06	0.000308304	0.000572928	0.001367995	0.002177985
2065 Nov	0.01785004	1.05533E-05	2.525377989	6.00955677	0.052267447	0.000752556	5.345177174	0.006824165	0.00411285	4.77973E-05	0.001066875	0.000382229	0.244823486	1.99481E-06	0.000308416	0.000573098	0.001367911	0.002178835
2065 Dec	0.017850656	1.05536E-05	2.525455475	6.009740829	0.052269038	0.000752579	5.345342636	0.006824373	0.004112984	4.77987E-05	0.001066908	0.00038224	0.244830966	1.99487E-06	0.000308426	0.000573115	0.001367953	0.002178901
2066 Jan	0.017851112	1.05538E-05	2.525508404	6.009866714	0.052270155	0.000752595	5.3454566	0.006824514	0.004113074	4.77999E-05	0.00106693	0.000382248	0.244836092	1.99491E-06	0.000308432	0.000573128	0.001367982	0.002178946
2066 Feb	0.017852349	1.05545E-05	2.525672197	6.010255814	0.052273571	0.000752643	5.345803738	0.006824955	0.004113343	4.78032E-05	0.001066999	0.000382273	0.244851947	1.99504E-06	0.000308452	0.000573165	0.001368071	0.002179086
2066 Mar	0.017857851	1.05577E-05	2.526444435	6.012093544	0.052289575	0.000752874	5.347439766	0.006827041	0.004114602	4.78179E-05	0.001067325	0.00038239	0.24492684	1.99565E-06	0.000308546	0.000573341	0.001368489	0.002179753
2066 Apr	0.017864998	1.0562E-05	2.527451754	6.014491081	0.052310437	0.000753174	5.349572182	0.006829763	0.004116243	4.7837E-05	0.00106775	0.000382542	0.245024472	1.99645E-06	0.000308669	0.000573569	0.001369035	0.002180622
2066 May	0.017898066	1.05802E-05	2.531698704	6.024742126	0.05240202	0.000754459	5.358128071	0.006841455	0.004122851	4.79324E-05	0.001069585	0.000383195	0.245444134	1.9996E-06	0.000309198	0.00057457	0.001371294	0.002184366
2066 Jun	0.01786679	1.06199E-05	2.531359196	6.036476612	0.052607358	0.000756613	5.315950871	0.006864285	0.004087675	4.78472E-05	0.001073834	0.00038428	0.24611029	1.9826E-06	0.000310301	0.000576555	0.001367445	0.00219333
2066 Jul	0.01801743	1.07516E-05	2.558814526	6.107172966	0.053255774	0.000765811	5.356186867	0.006949042	0.004116504	4.82057E-05	0.00108737	0.000388942	0.249070749	1.99715E-06	0.000314163	0.000583518	0.001380602	0.002221184
2066 Aug	0.018137896	1.08498E-05	2.580066919	6.16088438	0.053741723	0.000772747	5.390868187	0.007012616	0.004141493	4.85083E-05	0.001097463	0.000392455	0.251305252	2.00975E-06	0.000317054	0.000588729	0.001390992	0.002241959
2066 Sep	0.018159952	1.09003E-05	2.589018345	6.186561584	0.053990733	0.000776277	5.395473003	0.007045353	0.004142828	4.85315E-05	0.00110279	0.000394221	0.252416015	2.01097E-06	0.000318561	0.000591301	0.001394262	0.002253073
2066 Oct	0.018137081	1.09146E-05	2.589793682	6.191959381	0.05405828	0.000777236	5.385437489	0.007054356	0.004133844	4.84247E-05	0.001104362	0.000394668	0.252689034	2.00683E-06	0.000318993	0.000591919	0.00139341	0.002256474

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.01813205	1.09192E-05	2.590163946	6.193809509	0.054079995	0.000777546	5.383034229	0.007057242	0.004131659	4.83986E-05	0.001104857	0.000394814	0.252778947	2.00583E-06	0.00031913	0.000592123	0.001393264	0.002257538
2066 Dec	0.018133879	1.09202E-05	2.590415716	6.194411278	0.05408524	0.000777621	5.383559227	0.007057926	0.004132069	4.84033E-05	0.001104964	0.000394852	0.252803475	2.00603E-06	0.000319161	0.000592181	0.0013934	0.002257757
2067 Jan	0.018134402	1.09205E-05	2.590478897	6.194561958	0.054086581	0.00077764	5.383691788	0.007058096	0.004132173	4.84046E-05	0.001104991	0.000394862	0.252809644	2.00608E-06	0.000319169	0.000592196	0.001393434	0.002257812
2067 Feb	0.018135475	1.09211E-05	2.590621471	6.19490242	0.054089583	0.000777683	5.383988857	0.007058483	0.004132403	4.84075E-05	0.001105052	0.000394883	0.252823532	2.00619E-06	0.000319187	0.000592228	0.00139351	0.002257935
2067 Mar	0.018138252	1.09227E-05	2.591011763	6.195836544	0.054097753	0.0007778	5.384801388	0.007059547	0.004133026	4.84149E-05	0.001105218	0.000394943	0.252861649	2.00649E-06	0.000319235	0.000592318	0.001393721	0.002258275
2067 Apr	0.018144201	1.09263E-05	2.591858149	6.197859764	0.05411543	0.000778054	5.38656044	0.007061852	0.004134377	4.84308E-05	0.001105579	0.000395072	0.252944201	2.00714E-06	0.000319339	0.000592511	0.001394176	0.002259012
2067 May	0.018214088	1.09573E-05	2.598438501	6.214615822	0.05427957	0.000780163	5.397218227	0.007081262	0.004142781	4.86692E-05	0.001108663	0.000396146	0.253642201	2.01085E-06	0.000320221	0.000594284	0.001397432	0.002265294
2067 Jun	0.018244106	1.10032E-05	2.602251768	6.23348999	0.05453689	0.00078298	5.373969555	0.007109323	0.004121995	4.88575E-05	0.001113539	0.000397579	0.254553258	2.00071E-06	0.000321541	0.000596825	0.001396366	0.002275505
2067 Jul	0.018402694	1.11195E-05	2.627953529	6.29752636	0.055112004	0.000791184	5.418850899	0.007184408	0.004155295	4.9262E-05	0.001125427	0.00040174	0.257204801	2.01719E-06	0.000324951	0.000603043	0.001409336	0.002299904
2067 Aug	0.018492492	1.12104E-05	2.64636898	6.345919132	0.05556038	0.000797548	5.4427948	0.007243123	0.00417145	4.94689E-05	0.001134828	0.000404958	0.259244055	2.02564E-06	0.000327631	0.000607787	0.00141769	0.002319338
2067 Sep	0.018523073	1.12609E-05	2.655717134	6.371963978	0.055809293	0.000801085	5.450099945	0.007275812	0.004175171	4.95186E-05	0.00114012	0.00040673	0.260361522	2.02794E-06	0.000329132	0.000610376	0.001421384	0.002330349
2067 Oct	0.018472778	1.12704E-05	2.654279709	6.373493195	0.05585099	0.000801674	5.430786133	0.007281561	0.004158551	4.93186E-05	0.001141247	0.000406972	0.260497868	2.02019E-06	0.000329427	0.000610663	0.001418829	0.002332919
2067 Nov	0.018472061	1.12752E-05	2.654842138	6.375583172	0.055873483	0.000802003	5.429487705	0.007284538	0.00415742	4.93027E-05	0.001141745	0.000407126	0.260594517	2.01963E-06	0.000329568	0.000610884	0.001418868	0.002333977
2067 Dec	0.018474208	1.12765E-05	2.655149698	6.376327038	0.055880036	0.000802097	5.430098057	0.007285392	0.004157891	4.93082E-05	0.001141879	0.000407174	0.260625005	2.01986E-06	0.000329607	0.000610956	0.00141903	0.002334252
2068 Jan	0.018474929	1.12769E-05	2.655240059	6.376543999	0.055881958	0.000802125	5.430284977	0.007285638	0.004158037	4.931E-05	0.001141918	0.000407188	0.260633886	2.01993E-06	0.000329618	0.000610977	0.001419079	0.00233433
2068 Feb	0.018475831	1.12774E-05	2.655356646	6.376824379	0.055884447	0.00080216	5.430524826	0.007285957	0.004158222	4.93124E-05	0.001141967	0.000407205	0.26064533	2.02002E-06	0.000329632	0.000611004	0.001419141	0.002334432
2068 Mar	0.018480893	1.12805E-05	2.656077147	6.378554344	0.055899624	0.000802377	5.431999207	0.007287932	0.004159351	4.93259E-05	0.001142277	0.000407316	0.260716021	2.02056E-06	0.000329722	0.00061117	0.001419526	0.002335065
2068 Apr	0.018500827	1.12926E-05	2.658938408	6.385425091	0.055959851	0.000803242	5.437850475	0.007295782	0.004163832	4.93791E-05	0.001143507	0.000407754	0.260996878	2.02274E-06	0.000330077	0.000611829	0.001421055	0.00233758
2068 May	0.018561197	1.13191E-05	2.664243221	6.399437428	0.056102756	0.000805021	5.4448843	0.007312277	0.004169325	4.95954E-05	0.00114615	0.000408662	0.261587262	2.02505E-06	0.000330829	0.000613359	0.001423521	0.00234297
2068 Jun	0.018474592	1.13317E-05	2.65482235	6.394052029	0.056209125	0.000805177	5.37021637	0.007318093	0.004106284	4.95074E-05	0.001147919	0.000408743	0.261615545	1.99478E-06	0.000331182	0.000614037	0.001412946	0.002347063
2068 Jul	0.01857728	1.14317E-05	2.674937248	6.446956158	0.056700852	0.000812128	5.39603138	0.007382351	0.00412416	4.97403E-05	0.001158228	0.000412262	0.263846308	2.00397E-06	0.000334115	0.000619281	0.001422205	0.002368322
2068 Aug	0.018720897	1.15367E-05	2.698188543	6.504837036	0.057220437	0.000819545	5.43686676	0.007450143	0.00415436	5.01098E-05	0.00116895	0.00041602	0.266242146	2.01893E-06	0.000337194	0.000624885	0.001433904	0.002390345
2068 Sep	0.018740511	1.15869E-05	2.706914663	6.530162811	0.057467375	0.000823052	5.440361977	0.007482634	0.004154858	5.01205E-05	0.001174247	0.000417769	0.267341673	2.01972E-06	0.000338691	0.000627427	0.001436986	0.002401407
2068 Oct	0.018751916	1.16047E-05	2.710074186	6.53911972	0.057553634	0.000824291	5.442315578	0.007493966	0.004155903	5.01312E-05	0.001176084	0.00041838	0.26772815	2.02029E-06	0.000339214	0.000628324	0.001438184	0.002405237
2068 Nov	0.01876124	1.16107E-05	2.711447001	6.542480946	0.057583481	0.00082472	5.444909573	0.007497856	0.004157888	5.01547E-05	0.001176697	0.000418596	0.267866522	2.02125E-06	0.000339391	0.000628648	0.001438896	0.002406492
2068 Dec	0.018762961	1.16118E-05	2.711688519	6.543062687	0.057588596	0.000824793	5.44539547	0.007498522	0.004158264	5.01592E-05	0.001176801	0.000418633	0.267890334	2.02143E-06	0.000339421	0.000628704	0.001439024	0.002406706
2069 Jan	0.018763382	1.1612E-05	2.711740494	6.543188572	0.057589717	0.000824809	5.445501328	0.007498665	0.004158346	5.01603E-05	0.001176823	0.000418641	0.26789549	2.02147E-06	0.000339427	0.000628717	0.001439052	0.002406751
2069 Feb	0.018763961	1.16123E-05	2.711815834	6.54336977	0.057591338	0.000824832	5.445652962	0.007498872	0.004158463	5.01618E-05	0.001176856	0.000418653	0.267902911	2.02153E-06	0.000339437	0.000628734	0.001439092	0.002406818
2069 Mar	0.01876433	1.16125E-05	2.711864671	6.543487072	0.057592381	0.000824847	5.44575119	0.007499006	0.004158539	5.01628E-05	0.001176877	0.00041866	0.267907709	2.02156E-06	0.000339443	0.000628746	0.001439118	0.00240686
2069 Apr	0.018769389	1.16156E-05	2.712592602	6.545244694	0.057607856	0.000825068	5.447214127	0.007501019	0.004159656	5.01763E-05	0.001177193	0.000418773	0.267979652	2.02211E-06	0.000339534	0.000628915	0.001439504	0.002407507
2069 May	0.018820813	1.16472E-05	2.719847441	6.562922001	0.057765499	0.000827302	5.461250305	0.007521372	0.004170337	5.03182E-05	0.001180395	0.000419907	0.268705815	2.02728E-06	0.000340456	0.00063063	0.001443299	0.002414058
2069 Jun	0.018808957	1.16907E-05	2.722381115	6.578759193	0.057980385	0.000829843	5.433820248	0.007547047	0.004147416	5.02512E-05	0.001184957	0.000421189	0.269499779	2.01622E-06	0.000341673	0.000632807	0.001441916	0.002423581
2069 Jul	0.018920189	1.18006E-05	2.744472265	6.636885643	0.058521003	0.000837477	5.462082386	0.007617673	0.004166908	5.05059E-05	0.001196295	0.000425056	0.271950901	2.02627E-06	0.000344897	0.000638583	0.001452101	0.002446952
2069 Aug	0.019008785	1.18933E-05	2.76324439	6.686312199	0.058979634	0.000843989	5.486186981	0.007677704	0.004182941	5.07119E-05	0.001205911	0.000428346	0.274035007	2.03474E-06	0.000347637	0.000643434	0.00146057	0.002466837
2069 Sep	0.018962301	1.19229E-05	2.765490294	6.698332787	0.05912238	0.000845998	5.469017982	0.00769683	0.004166598	5.05187E-05	0.001209215	0.000429312	0.27462396	2.02759E-06	0.000348545	0.000644756	0.001459366	0.002473953
2069 Oct	0.018879989	1.19163E-05	2.759626627	6.689930439	0.059080135	0.000845434	5.438280582	0.007691784	0.00414156	5.02006E-05	0.001208672	0.000428938	0.274365753	2.01554E-06	0.000348362	0.000644103	0.001454195	0.002473156
2069 Nov	0.018882699	1.19202E-05	2.760050535	6.691493511	0.059096813	0.000845698	5.437304497	0.00769399	0.004141036	5.01872E-05	0.001209037	0.000429051	0.274438411	2.01513E-06	0.000348468	0.00064427	0.001454234	0.002473932
2069 Dec	0.018883796	1.19209E-05	2.7602005	6.691856384	0.059100013	0.000845744	5.437601089	0.007694406	0.004141269	5.01899E-05	0.001209103	0.000429074	0.274453312	2.01524E-06	0.000348487	0.000644305	0.001454314	0.002474065
2070 Jan	0.018883979	1.19209E-05	2.760213852	6.691888332	0.059100319	0.000845748	5.437628746	0.007694442	0.004141293	5.01903E-05	0.001209108	0.000429076	0.274454623	2.01525E-06	0.000348489	0.000644308	0.001454321	0.002474077
2070 Feb	0.018884124	1.1921E-05	2.760221958	6.69190836	0.059100531	0.000845751	5.437646389	0.007694462	0.004141308	5.01907E-05	0.001209111	0.000429077	0.274455428	2.01525E-06	0.000348489	0.000644311	0.001454325	0.002474083
2070 Mar	0.018885991	1.19221E-05	2.760487556	6.69255209	0.059106234	0.000845832	5.438170433	0.007695202	0.004141707	5.01956E-05	0.001209228	0.000429118	0.274481833	2.01545E-06	0.000348523	0.000644373	0.001454465	0.002474321
2070 Apr	0.018897001	1.19291E-05	2.762091637	6.696444988	0.059140667	0.000846324	5.441318035	0.007699681	0.004144103	5.02248E-05	0.001209931	0.000429368	0.274641544	2.01661E-06	0.000348726	0.000644748	0.001455309	0.002475761
2070 May	0.018958174	1.19588E-05	2.768219471	6.712370872	0.059298042	0.00084835	5.450186729	0.007718395	0.004150907	5.04336E-05	0.001212919	0.0004304	0.275309414	2.01963E-06	0.000349578	0.000646437	0.001458223	0.002481866
2070 Jun	0.018992696	1.19956E-05	2.770745516	6.72696352	0.059511699	0.000850545	5.428274155	0.007740539	0.004131764	5.06486E-05	0.001216807	0.000431521	0.276027799	2.0101E-06	0.000350624	0.000648536	0.001456873	0.002489998
2070 Jul	0.019118404	1.21021E-05	2.793191671	6.784467697	0.060037848	0.000858007	5.462268353	0.007809192	0.004156124	5.0959E-05	0.001227752	0.000435302	0.278431207	2.02239E-06	0.00035375	0.000654181	0.001467674	0.002512523
2070 Aug	0.019222923	1.21973E-05	2.813016415	6.835739136	0.060509004	0.000864699	5.49078083	0.007870758	0.004176007	5.12131E-05	0.001237577	0.000438688	0.28058055	2.03258E-06	0.000356556	0.000659196	0.001476963	0.002532794
2070 Sep	0.019186245	1.22295E-05	2.81608057	6.849412441	0.060664166	0.000866903	5.476305485	0.007891512	0.004162045	5.1043E-05	0.00124112	0.000439749	0.281232566	2.02647E-06	0.000357536	0.000660668	0.001476312	0.002540382
2070 Oct	0.019143943	1.22335E-05	2.814175844	6.848602295	0.060677741	0.000867123	5.459994316	0.007893616	0.004148441	5.08675E-05	0.001241615	0.000439806	0.281255752	2.01999E-06	0.000357661	0.000660689	0.001473939	0.002541604
2070 Nov	0.019145403	1.22377E-05	2.814843655	6.850640774	0.060698044	0.000867416	5.459923744	0.007896294	0.004148266	5.08643E-05	0.001242054	0.000439948	0.281345606	2.01991E-06	0.000357785	0.000660896	0.001474141	0.002542524
2070 Dec	0.019145936	1.2238E-05	2.81491375	6.850810051	0.060699545	0.000867438	5.460061073	0.007896489	0.004148375	5.08655E-05	0.001242085	0.000439959	0.28135258	2.01996E-06	0.000357794	0.000660913	0.001474178	0.002542587
2071 Jan	0.019146118	1.22381E-05	2.814929962	6.850850105	0.060699914	0.000867443	5.460093975	0.007896534	0.004148403	5.0866E-05	0.001242092	0.000439962	0.281354219	2.01998E-06	0.000357796	0.000660916	0.001474186	0.002542601
2071 Feb	0.019146243	1.22381E-05	2.814938545	6.850870609	0.060700122	0.000867446	5.460112095	0.007896557	0.004148417	5.08663E-05	0.001242095	0.000439963	0.281355053	2.01998E-06	0.000357797	0.000660919	0.001474191	0.002542608
2071 Mar	0.019146714	1.22384E-05	2.81500268	6.851027012	0.060701516	0.000867465	5.460236549	0.007896736	0.004148513	5.08675E-05	0.001242123	0.000439973	0.281361461	2.02003E-06	0.000357805	0.000660934	0.001474224	0.002542666
2071 Apr	0.019151574	1.22415E-05	2.815714121	6.852758408	0.060716867	0.000867684	5.461616993	0.007898731	0.004149562	5.08804E-05	0.001242437	0.000440084	0.281432569	2.02054E-06	0.000357896	0.000661101	0.001474597	0.002543308
2071 May	0.019190323	1.22583E-05	2.818419456	6.861012936	0.060812779	0.000868766	5.461780548	0.007909013	0.004149502	5.10409E-05	0.001244129	0.000440637	0.281794488	2.02022E-06	0.000358369	0.0006621	0.0014755	0.002546777
2071 Jun	0.019174257	1.22712E-05	2.814004183	6.860603809	0.060909193	0.000869158	5.420144081	0.00791526	0.004114936	5.11231E-05	0.001245618	0.000440844	0.281924546	2.00318E-06	0.000358704	0.000662889	0.001469977	0.002550031
2071 Jul	0.019253692	1.23597E-05	2.831412077	6.907130241	0.061345745	0.00087531	5.440088749	0.00797232	0.004127985	5.13009E-05	0.001254806	0.00044396	0.28389582	2.01014E-06	0.000361312	0.000667527	0.001477729	0.00256901
2071 Aug	0.01936553	1.24564E-05	2.851858616	6.959538937	0.061825085	0.000882123	5.471061707	0.008034877	0.004149887	5.15802E-05	0.00126477	0.000447407	0.28608638	2.02127E-06	0.000364161	0.000672647	0.001487474	0.002589545
2071 Sep	0.01934747	1.24932E-05	2.856683731	6.976499557	0.06200397	0.000884661	5.463218212	0.00805866	0.004141205	5.14752E-05	0.001268746	0.000448653	0.286859334	2.01774E-06	0.000365271	0.000674403	0.001488099	0.002597968
2071 Oct	0.019322615	1.25033E-05	2.85691905	6.980010986	0.062050909	0.000885336	5.454026699	0.008065062	0.004132933	5.13707E-05	0.001269883	0.000448965	0.287046313	2.01399E-06	0.000365581	0.000674814	0.001487156	0.002600456
2071 Nov	0.01932418	1.25066E-05	2.857164383	6.981182575	0.06206429	0.000885557	5.45255518	0.008066849	0.004132071	5.13515E-05	0.001270184	0.000449053	0.287103653	2.01339E-06	0.000365669	0.000674944	0.001487088	0.002601102
2071 Dec	0.019325169	1.2507E-05	2.857249975	6.981395721	0.062066197	0.000885586	5.4526968	0.008067097	0.004132221	5.13527E-05	0.001270222	0.000449067	0.287112534	2.01345E-06	0.00036568	0.000674965	0.001487132	0.002601182
2072 Jan	0.019325547	1.25072E-05	2.857289553	6.981492519	0.062067084	0.000885599	5.452774525	0.008067207	0.004132285	5.13536E-05	0.001270239	0.000449073	0.287116528	2.01348E-06	0.000365685	0.000674974	0.001487153	0.002601217
2072 Feb	0.019325873	1.25073E-05	2.857321978	6.981571198	0.062067825	0.000885608	5.452837944	0.008067296	0.004132334	5.13544E-05	0.001270254	0.000449078	0.287119776	2.0135E-06	0.000365689	0.000674982	0.001487169	0.002601246
2072 Mar	0.019326428	1.25077E-05	2.857395172	6.981750488	0.062069442	0.000885631	5.452979088	0.008067502	0.004132442	5.13559E-05	0.001270286	0.00044909	0.287127137	2.01355E-06	0.000365699	0.000675	0.001487207	0.002601312
2072 Apr	0.019334992	1.25132E-05	2.858656406	6.98483181	0.062096849	0.000886022	5.455386162	0.008071062	0.004134267	5.13786E-05	0.001270846	0.000449288	0.287253886	2.01444E-06	0.00036586	0.000675298	0.001487864	0.00260246
2072 May	0.01937872	1.25415E-05	2.865122318	7.000637531	0.062237427	0.000888027	5.467704773	0.008089331	0.004143599	5.14949E-05	0.001273723	0.000450305	0.287903965	2.01899E-06	0.000366688	0.000676827	0.001491227	0.002608351
2072 Jun	0.019382577	1.25806E-05	2.869570732	7.016901493	0.062417764	0.000890425	5.457504749	0.008112671	0.004135323	5.14265E-05	0.001277717	0.000451514	0.288655609	2.01498E-06	0.000367778	0.00067875	0.001492233	0.002616593
2072 Jul	0.019458115	1.26697E-05	2.886578798	7.06306076	0.062854744	0.000896574	5.47457695	0.008169815	0.004146232	5.15797E-05	0.001286947	0.000454624	0.29062137	2.02085E-06	0.000370394	0.000683373	0.001499597	0.002635677
2072 Aug	0.019474331	1.27406E-05	2.898238182	7.09793663	0.063200086	0.000901475	5.475582123	0.008215351	0.004143509	5.15524E-05	0.001294402	0.000457063	0.292150438	2.02047E-06	0.000372495	0.000686876	0.001503338	0.002651289
2072 Sep	0.019460892	1.27763E-05	2.902937651	7.114237309	0.06337136	0.00090392	5.468545437	0.008238104	0.004135806	5.14554E-05	0.001298195	0.000458257	0.292892367	2.01731E-06	0.000373557	0.000688555	0.001504028	0.002659322
2072 Oct	0.019399645	1.27726E-05	2.899003983	7.108901978	0.063346699	0.0009036	5.446954727	0.008235333	0.004117935	5.12239E-05	0.001297942	0.000458036	0.292735606	2.00882E-06	0.000373463	0.000688143	0.001500433	0.002659037
2072 Nov	0.01939659	1.2775E-05	2.899120331	7.109768867	0.063357487	0.000903763	5.445249081	0.008236793	0.004116525	5.12037E-05	0.001298196	0.000458107	0.292779922	2.00812E-06	0.000373534	0.000688242	0.001500285	0.002659589
2072 Dec	0.019397194	1.27754E-05	2.899201393	7.109966755	0.063359253	0.000903789	5.445402622	0.008237023	0.004116647	5.12052E-05	0.001298232	0.00045812	0.292788088	2.00818E-06	0.000373544	0.000688261	0.001500327	0.002659662
2073 Jan	0.019397464	1.27755E-05	2.899230242	7.110037804	0.063359894	0.000903798	5.445458412	0.008237103	0.004116692	5.12058E-05	0.001298244	0.000458125	0.292791009	2.0082E-06	0.000373548	0.000688268	0.001500343	0.002659688
2073 Feb	0.019397814	1.27757E-05	2.899271488	7.110138893	0.063360825	0.00090381	5.445537567	0.008237218	0.004116752	5.12067E-05	0.001298262	0.000458131	0.292795151	2.00823E-06	0.000373553	0.000688278	0.001500364	0.002659725
2073 Mar	0.019398978	1.27765E-05	2.899439573	7.11055088	0.063364521	0.000903863	5.44585371	0.008237695	0.004116992	5.12098E-05	0.001298337	0.000458158	0.292812139	2.00835E-06	0.000373575	0.000688318	0.001500451	0.002659879
2073 Apr	0.019418025	1.2789E-05	2.902283192	7.117524147	0.063426659	0.000904749	5.451194763	0.008245774	0.00412103	5.12601E-05	0.001299611	0.000458607	0.293099284	2.01032E-06	0.000373941	0.000688993	0.001501922	0.002662487
2073 May	0.019482503	1.28092E-05	2.90598917	7.127806187	0.063543111	0.000906038	5.45474577	0.008257852	0.0041242	5.15133E-05	0.001301564	0.000459268	0.293538541	2.01124E-06	0.000374493	0.000690236	0.001503535	0.002666439
2073 Jun	0.019513872	1.28299E-05	2.905366659	7.133852482	0.06367898	0.000907078	5.429637909	0.008269325	0.00410349	5.17364E-05	0.001303733	0.000459807	0.293893456	2.00063E-06	0.00037505	0.00069153	0.001500903	0.002670982
2073 Jul	0.019604241	1.29341E-05	2.925985098	7.188945293	0.064195119	0.000914363	5.453495502	0.008336832	0.004118687	5.19455E-05	0.001314592	0.000463496	0.296226442	2.00888E-06	0.000378135	0.000696985	0.001509978	0.002693446
2073 Aug	0.019705232	1.30294E-05	2.945617914	7.240069389	0.06466718	0.000921056	5.480601788	0.00839847	0.004137337	5.21903E-05	0.001324443	0.000466881	0.298374295	2.01851E-06	0.000380946	0.000702001	0.001519057	0.002713784
2073 Sep	0.01970447	1.307E-05	2.951996565	7.259912491	0.064866558	0.000923882	5.478783607	0.008424847	0.00413352	5.21467E-05	0.001328789	0.000468286	0.299251914	2.01731E-06	0.000382167	0.000704013	0.001520817	0.002722916

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.019653199	1.30693E-05	2.949119806	7.256650448	0.064857326	0.000923782	5.460886955	0.008424082	0.004118562	5.19499E-05	0.00132883	0.000468184	0.299172878	2.01025E-06	0.00038216	0.000703786	0.001517953	0.002723209
2073 Nov	0.019646987	1.30716E-05	2.949084759	7.25732851	0.06486737	0.000923933	5.458301067	0.008425471	0.004116363	5.19198E-05	0.001329081	0.00046825	0.299212009	2.0092E-06	0.000382229	0.00070387	0.001517659	0.002723765
2073 Dec	0.019648828	1.30728E-05	2.949351788	7.257984638	0.064873226	0.000924017	5.458796501	0.008426233	0.004116744	5.19245E-05	0.001329201	0.000468292	0.299239039	2.00939E-06	0.000382263	0.000703933	0.001517796	0.00272401
2074 Jan	0.019649183	1.3073E-05	2.949393272	7.258087158	0.064874157	0.00092403	5.458875179	0.008426351	0.004116805	5.19254E-05	0.00132922	0.000468298	0.299243271	2.00941E-06	0.000382269	0.000703943	0.001517818	0.002724048
2074 Feb	0.019649403	1.3073E-05	2.949414968	7.258140087	0.064874656	0.000924037	5.458916664	0.00842641	0.004116838	5.19259E-05	0.001329229	0.000468302	0.299245477	2.00943E-06	0.000382271	0.000703949	0.001517829	0.002724068
2074 Mar	0.01965108	1.30741E-05	2.94966054	7.258743763	0.064880081	0.000924113	5.459371567	0.008427111	0.004117182	5.19304E-05	0.00132934	0.000468341	0.299270362	2.0096E-06	0.000382303	0.000704008	0.001517955	0.002724294
2074 Apr	0.019667033	1.30847E-05	2.952051878	7.26462841	0.064932682	0.000924863	5.463798046	0.008433943	0.00412052	5.19725E-05	0.001330417	0.00046872	0.299512953	2.01123E-06	0.000382613	0.000704578	0.001519186	0.002726502
2074 May	0.019748282	1.31114E-05	2.956506729	7.277817726	0.065089203	0.000926545	5.465495586	0.008449889	0.00412211	5.23059E-05	0.001333027	0.000469584	0.300086439	2.01122E-06	0.000383346	0.000706228	0.001520852	0.002731806
2074 Jun	0.01970646	1.3111E-05	2.948372364	7.269752502	0.065132849	0.000926002	5.412615299	0.008448031	0.004077749	5.23734E-05	0.001333293	0.000469326	0.299919397	1.98963E-06	0.000383318	0.000706367	0.001512782	0.002732627
2074 Jul	0.019839842	1.32304E-05	2.973153353	7.333921909	0.06572444	0.000934368	5.447963238	0.008525118	0.004102544	5.27034E-05	0.00134561	0.000473563	0.302610427	2.00227E-06	0.000386832	0.000712689	0.001524447	0.002758009
2074 Aug	0.019987587	1.33458E-05	2.998031855	7.396889687	0.066297136	0.000942495	5.488306522	0.008599616	0.004131822	5.30844E-05	0.001357442	0.000477678	0.305231243	2.01689E-06	0.00039022	0.000718839	0.001536614	0.002782347
2074 Sep	0.01997103	1.33823E-05	3.002980232	7.41391468	0.066474691	0.000945024	5.481526375	0.008623284	0.004124015	5.29854E-05	0.00136139	0.000478922	0.306002855	2.01378E-06	0.000391324	0.000720592	0.001537382	0.002790703
2074 Oct	0.019948719	1.33908E-05	3.002991199	7.41660881	0.066512443	0.000945592	5.47274971	0.008628529	0.004116429	5.28804E-05	0.001362329	0.000479172	0.306152791	2.01022E-06	0.000391582	0.000720913	0.00153642	0.002792775
2074 Nov	0.019949889	1.33953E-05	3.003726482	7.418838024	0.066534549	0.000945909	5.47273159	0.00863145	0.004116237	5.28772E-05	0.001362808	0.000479328	0.306250781	2.01016E-06	0.000391717	0.000721138	0.001536646	0.00279378
2074 Dec	0.019951405	1.33964E-05	3.003956079	7.419409752	0.066539705	0.000945983	5.47313261	0.008632119	0.00411654	5.2881E-05	0.001362914	0.000479365	0.306274444	2.01031E-06	0.000391747	0.000721194	0.001536762	0.002793997
2075 Jan	0.019951787	1.33966E-05	3.004002333	7.419523716	0.06654074	0.000945997	5.473218918	0.008632251	0.004116608	5.2882E-05	0.001362935	0.000479372	0.306279153	2.01034E-06	0.000391753	0.000721205	0.001536785	0.002794039
2075 Feb	0.0199524	1.33969E-05	3.004083633	7.419723988	0.066542566	0.000946023	5.473368168	0.008632483	0.004116721	5.28836E-05	0.001362971	0.000479385	0.306287438	2.01039E-06	0.000391764	0.000721225	0.001536827	0.002794114
2075 Mar	0.019955467	1.3399E-05	3.004539251	7.420849323	0.066552684	0.000946166	5.474199295	0.008633791	0.004117347	5.28917E-05	0.001363178	0.000479458	0.30633387	2.0107E-06	0.000391823	0.000721335	0.00153706	0.002794537
2075 Apr	0.019970013	1.34087E-05	3.006725788	7.426250458	0.066601127	0.000946855	5.47818327	0.008640074	0.004120343	5.29303E-05	0.00136417	0.000479807	0.306556851	2.01216E-06	0.000392108	0.00072186	0.001538179	0.002796571
2075 May	0.020021431	1.34362E-05	3.012695551	7.441251755	0.066742092	0.000948758	5.488357067	0.008657513	0.004128178	5.30896E-05	0.001366933	0.000480773	0.307179391	2.0158E-06	0.000392901	0.000723384	0.001541175	0.002802219
2075 Jun	0.019952692	1.3447E-05	3.009092569	7.43982935	0.066775985	0.000949041	5.455898762	0.008662187	0.004102485	5.27934E-05	0.001368106	0.00048091	0.30723387	2.00349E-06	0.000393156	0.000723694	0.001537472	0.002804725
2075 Jul	0.020013291	1.35343E-05	3.024895668	7.484025002	0.06720192	0.000955	5.467254162	0.008717909	0.004108895	5.28941E-05	0.001377176	0.000483925	0.309133828	2.00722E-06	0.000395712	0.000728202	0.001543996	0.002823484
2075 Aug	0.020099798	1.3626E-05	3.043301344	7.532738686	0.067655958	0.000961427	5.490089417	0.008777232	0.004123928	5.30971E-05	0.001386691	0.000487172	0.311191022	2.01519E-06	0.000398421	0.000733001	0.001552222	0.002843163
2075 Sep	0.020137284	1.36767E-05	3.053061962	7.559313774	0.067907125	0.000964988	5.499783039	0.008810143	0.004129631	5.31745E-05	0.001391998	0.000488964	0.312323034	2.01842E-06	0.000399929	0.000735634	0.001556306	0.002854178
2075 Oct	0.020128138	1.36877E-05	3.054195166	7.563996315	0.06795872	0.00096574	5.495648384	0.008817083	0.004125741	5.31203E-05	0.001393173	0.000489321	0.312543541	2.01666E-06	0.000400257	0.00073613	0.001556199	0.002856691
2075 Nov	0.020135947	1.36944E-05	3.055541754	7.567528248	0.067991428	0.00096621	5.497415066	0.008821353	0.004127054	5.31356E-05	0.001393855	0.000489555	0.312692434	2.01729E-06	0.000400453	0.000736478	0.001556815	0.0028581
2075 Dec	0.020137504	1.36954E-05	3.055764675	7.568081856	0.067996405	0.000966282	5.49780941	0.008822	0.004127359	5.31394E-05	0.001393957	0.00048959	0.312715322	2.01743E-06	0.000400482	0.000736532	0.001556928	0.00285831
2076 Jan	0.020137914	1.36956E-05	3.055811644	7.568197727	0.067997478	0.000966297	5.497896194	0.008822133	0.004127428	5.31404E-05	0.001393978	0.000489598	0.31272012	2.01747E-06	0.000400488	0.000736544	0.001556952	0.002858353
2076 Feb	0.020139098	1.36963E-05	3.055976391	7.568606377	0.068001181	0.000966349	5.498194695	0.008822608	0.004127653	5.31435E-05	0.001394053	0.000489624	0.312736988	2.01758E-06	0.00040051	0.000736584	0.001557036	0.002858506
2076 Mar	0.020142054	1.36983E-05	3.056416988	7.569696903	0.068011001	0.000966488	5.498988152	0.008823878	0.00412825	5.31513E-05	0.001394254	0.000489695	0.312782079	2.01787E-06	0.000400568	0.00073669	0.00155726	0.002858918
2076 Apr	0.020150602	1.37041E-05	3.057709694	7.572898865	0.068039782	0.000966897	5.50131464	0.00882761	0.004129997	5.31738E-05	0.001394843	0.000489902	0.312914371	2.01872E-06	0.000400737	0.000737002	0.001557919	0.002860127
2076 May	0.020217521	1.37341E-05	3.063889503	7.588896275	0.068198994	0.000968922	5.510485172	0.008846301	0.004137223	5.34043E-05	0.001397825	0.000490933	0.313584387	2.02185E-06	0.000401588	0.000738715	0.001560897	0.002866204
2076 Jun	0.020198734	1.37319E-05	3.056827545	7.580972195	0.068225041	0.000968272	5.467400074	0.008842889	0.00410206	5.35068E-05	0.001397739	0.00049062	0.313389599	2.00433E-06	0.000401479	0.000738767	0.001554343	0.00286618
2076 Jul	0.020275807	1.38271E-05	3.075268745	7.630857944	0.068696119	0.000974903	5.486651421	0.008904481	0.004113932	5.36771E-05	0.001407677	0.000493977	0.315510541	2.01091E-06	0.000404296	0.000743743	0.0015623	0.002886746
2076 Aug	0.020400226	1.39354E-05	3.097907305	7.689245224	0.069233134	0.000982512	5.519758701	0.008974412	0.004137268	5.3987E-05	0.001418831	0.000497825	0.31795609	2.02275E-06	0.000407483	0.000749472	0.001572985	0.002909739
2076 Sep	0.02043909	1.3986E-05	3.107666969	7.715749264	0.069483355	0.000986062	5.529670238	0.009007181	0.004143231	5.40674E-05	0.001424112	0.00049961	0.319084287	2.02608E-06	0.000408984	0.000752098	0.001577095	0.002920697
2076 Oct	0.020389946	1.39828E-05	3.104741096	7.711714268	0.069463156	0.000985808	5.513840199	0.009005029	0.004129914	5.38871E-05	0.001423907	0.000499441	0.318963706	2.01985E-06	0.000408908	0.00075177	0.001574427	0.002920456
2076 Nov	0.020385683	1.3985E-05	3.104806423	7.712448597	0.069472603	0.000985951	5.512068272	0.009006336	0.004128389	5.3865E-05	0.001424137	0.000499505	0.31900236	2.01913E-06	0.000408972	0.000751853	0.001574252	0.002920959
2076 Dec	0.02038732	1.39861E-05	3.105046272	7.713043213	0.06947796	0.000986028	5.512495041	0.009007031	0.004128715	5.38691E-05	0.001424247	0.000499543	0.319027007	2.01929E-06	0.000409004	0.000751911	0.001574374	0.002921184
2077 Jan	0.02038761	1.39862E-05	3.105078936	7.713124275	0.069478698	0.000986038	5.512554646	0.009007123	0.004128762	5.38698E-05	0.001424261	0.000499549	0.319030315	2.01931E-06	0.000409008	0.000751919	0.00157439	0.002921214
2077 Feb	0.02038807	1.39865E-05	3.105138063	7.713271141	0.069480054	0.000986057	5.512661457	0.009007294	0.004128843	5.3871E-05	0.001424288	0.000499558	0.319036394	2.01935E-06	0.000409016	0.000751934	0.00157442	0.002921269
2077 Mar	0.020389201	1.39872E-05	3.105304003	7.713684082	0.069483787	0.000986109	5.512957096	0.009007774	0.004129065	5.3874E-05	0.001424364	0.000499585	0.319053441	2.01946E-06	0.000409037	0.000751974	0.001574504	0.002921425
2077 Apr	0.02039968	1.39944E-05	3.106896877	7.717639923	0.06951943	0.000986615	5.51578474	0.009012395	0.004131183	5.39017E-05	0.001425095	0.000499841	0.319217086	2.02049E-06	0.000409247	0.00075236	0.001575312	0.002922923
2077 May	0.020448895	1.40184E-05	3.111581087	7.730235577	0.069648236	0.000988232	5.521252632	0.009027422	0.004135288	5.40775E-05	0.001427512	0.000500664	0.319750786	2.02223E-06	0.000409934	0.000753732	0.001577406	0.002927868
2077 Jun	0.020408422	1.40136E-05	3.104114056	7.721122265	0.069655545	0.000987452	5.477878571	0.009022781	0.004099465	5.40914E-05	0.001427225	0.000500284	0.31950444	2.00472E-06	0.000409767	0.000753577	0.001570655	0.002927468
2077 Jul	0.020556029	1.4132E-05	3.12901783	7.784883976	0.070240878	0.00099572	5.515682697	0.009098806	0.00412698	5.44604E-05	0.001439347	0.000504471	0.322169363	2.0184E-06	0.00041323	0.000759873	0.00158271	0.002952388
2077 Aug	0.020685639	1.42462E-05	3.152834654	7.846426964	0.070807755	0.001003746	5.550147057	0.009172596	0.004151143	5.47848E-05	0.001451121	0.00050853	0.324748546	2.0307E-06	0.000416593	0.000765918	0.001593907	0.002976666
2077 Sep	0.020611605	1.42559E-05	3.150914907	7.847629547	0.070848539	0.001004366	5.526997566	0.009178813	0.004130532	5.45074E-05	0.001452358	0.000508786	0.324884444	2.02144E-06	0.000416913	0.000766139	0.001590728	0.002979538
2077 Oct	0.020603398	1.4266E-05	3.151890039	7.851838112	0.070895225	0.001005062	5.522828102	0.009185134	0.004126815	5.44506E-05	0.00145343	0.000509109	0.325084478	2.01969E-06	0.000417214	0.000766585	0.001590572	0.002981836
2077 Nov	0.020611534	1.42723E-05	3.153229713	7.855246544	0.070926353	0.001005504	5.52493906	0.009189178	0.004128364	5.44708E-05	0.001454073	0.000509332	0.325226665	2.02046E-06	0.000417398	0.00076692	0.001591221	0.002983159
2077 Dec	0.020613112	1.42733E-05	3.153462648	7.855826855	0.070931576	0.001005579	5.525348186	0.009189855	0.004128675	5.44748E-05	0.00145418	0.00050937	0.325250685	2.02061E-06	0.000417429	0.000766976	0.001591339	0.002983379
2078 Jan	0.020613704	1.42737E-05	3.153543472	7.85602808	0.070933409	0.001005604	5.525491238	0.009190089	0.004128784	5.44763E-05	0.001454217	0.000509383	0.32525897	2.02066E-06	0.000417439	0.000766996	0.00159138	0.002983455
2078 Feb	0.020614222	1.4274E-05	3.153613091	7.856200218	0.070934996	0.001005626	5.525614262	0.00919029	0.004128877	5.44777E-05	0.001454248	0.000509394	0.325266123	2.0207E-06	0.000417448	0.000767013	0.001591415	0.00298352
2078 Mar	0.020615086	1.42746E-05	3.153739929	7.856517315	0.070937864	0.001005667	5.525837421	0.00919066	0.004129044	5.448E-05	0.001454307	0.000509414	0.325279236	2.02078E-06	0.000417465	0.000767044	0.001591479	0.00298364
2078 Apr	0.02063445	1.4288E-05	3.156699181	7.863889217	0.071004443	0.00100661	5.531023026	0.009199283	0.004132919	5.45311E-05	0.001455672	0.000509892	0.325584471	2.02268E-06	0.000417857	0.000767764	0.001592973	0.002986439
2078 May	0.020711174	1.43033E-05	3.158547401	7.870675087	0.071108334	0.001007455	5.527983665	0.009207606	0.004131228	5.48755E-05	0.001457077	0.000510333	0.325893819	2.02087E-06	0.000418243	0.000768846	0.001593321	0.00298925
2078 Jun	0.020678319	1.43042E-05	3.152938843	7.865660667	0.071147837	0.001007168	5.489879131	0.009207309	0.004098845	5.49248E-05	0.001457439	0.000510204	0.325808048	2.00525E-06	0.000418271	0.000769018	0.001587531	0.00299021
2078 Jul	0.020833259	1.4431E-05	3.179657698	7.934191227	0.071777329	0.001016061	5.53019619	0.009289066	0.00412777	5.53189E-05	0.001470469	0.000514707	0.328673124	2.01975E-06	0.000421994	0.000775761	0.00160033	0.003017033
2078 Aug	0.020915698	1.45259E-05	3.198246241	7.984090805	0.072246298	0.001022686	5.550941467	0.00935035	0.004140898	5.55043E-05	0.001480326	0.000518053	0.330789834	2.02687E-06	0.000424797	0.000780694	0.001608394	0.003037448
2078 Sep	0.020956133	1.45797E-05	3.208538055	8.01215744	0.072512031	0.001026457	5.560949326	0.009385149	0.004146824	5.55843E-05	0.001485938	0.000519947	0.331986696	2.03021E-06	0.000426391	0.000783475	0.001612686	0.003049095
2078 Oct	0.020940533	1.45918E-05	3.209733725	8.01735878	0.072569817	0.001027293	5.555757999	0.009393007	0.004141698	5.55137E-05	0.001487276	0.00052035	0.332233369	2.02801E-06	0.000426762	0.000784023	0.001612468	0.003051965
2078 Nov	0.020943429	1.45971E-05	3.210648537	8.019990921	0.072595313	0.00102766	5.556191921	0.009396366	0.004141886	5.55149E-05	0.001487822	0.00052053	0.332347482	2.02812E-06	0.000426917	0.000784287	0.0016128	0.003053105
2078 Dec	0.02094458	1.45978E-05	3.210816145	8.020409584	0.072599098	0.001027714	5.556483746	0.009396855	0.004142108	5.55178E-05	0.001487899	0.000520557	0.332364827	2.02823E-06	0.000426939	0.000784328	0.001612885	0.003053264
2079 Jan	0.020944772	1.45979E-05	3.210834742	8.020456314	0.072599538	0.00102772	5.556517124	0.009396909	0.004142136	5.55182E-05	0.001487908	0.00052056	0.332366735	2.02824E-06	0.000426942	0.000784332	0.001612894	0.003053281
2079 Feb	0.020944895	1.45979E-05	3.210843563	8.020478249	0.072599761	0.001027722	5.556533813	0.009396933	0.004142149	5.55185E-05	0.001487912	0.000520562	0.332367659	2.02825E-06	0.000426943	0.000784335	0.001612899	0.003053289
2079 Mar	0.020946916	1.45993E-05	3.211147785	8.021238327	0.072606653	0.00102782	5.557061195	0.009397822	0.004142543	5.55239E-05	0.001488052	0.000520611	0.33239916	2.02844E-06	0.000426983	0.000784409	0.001613051	0.003053578
2079 Apr	0.020958155	1.46071E-05	3.212867498	8.025533676	0.072645538	0.00102837	5.560037613	0.009402854	0.004144762	5.55537E-05	0.001488849	0.00052089	0.332577169	2.02953E-06	0.000427212	0.000784829	0.001613915	0.003055213
2079 May	0.021007683	1.46398E-05	3.219986677	8.043417931	0.072809428	0.00103066	5.572067261	0.009423825	0.004153758	5.56917E-05	0.001492174	0.000522051	0.333319604	2.03388E-06	0.000428165	0.000786598	0.001617464	0.003062031
2079 Jun	0.020923048	1.46207E-05	3.209226847	8.025318146	0.072715983	0.00102878	5.524107933	0.009409053	0.004116063	5.54553E-05	0.001490302	0.000521103	0.332696557	2.01539E-06	0.00042754	0.000785475	0.001609695	0.003058293
2079 Jul	0.020968378	1.47016E-05	3.223623753	8.06618309	0.073112033	0.001034324	5.532577515	0.009460993	0.004119804	5.55212E-05	0.001498774	0.000523908	0.334460109	2.01798E-06	0.000429925	0.000789634	0.001615365	0.003075861
2079 Aug	0.021090394	1.48091E-05	3.245842457	8.123815536	0.073644511	0.00104185	5.563987732	0.00953025	0.004141843	5.58236E-05	0.001509835	0.000527714	0.336878628	2.02918E-06	0.000433082	0.000795305	0.00162575	0.003098671
2079 Sep	0.021068694	1.48382E-05	3.249428749	8.137007713	0.073784441	0.001043868	5.55625391	0.0095491	0.004133648	5.57088E-05	0.001512998	0.000528696	0.337485462	2.02578E-06	0.000433965	0.000796665	0.00162598	0.003105402
2079 Oct	0.021043288	1.48419E-05	3.248696804	8.137439728	0.073799089	0.001044116	5.547535419	0.009551392	0.004126212	5.56002E-05	0.001513453	0.000528788	0.337535739	2.0223E-06	0.000434086	0.000796748	0.001624782	0.003106463
2079 Nov	0.021034995	1.48415E-05	3.248063803	8.136566162	0.073794477	0.001044077	5.54407835	0.009550919	0.004123576	5.55578E-05	0.001513403	0.00052875	0.337510109	2.02095E-06	0.000434071	0.000796676	0.001624208	0.003106402
2079 Dec	0.021029487	1.48383E-05	3.247114182	8.13445282	0.073776491	0.001043846	5.541541576	0.009548634	0.004121888	5.55286E-05	0.001513048	0.000528619	0.337426752	2.02E-06	0.000433971	0.000796475	0.001623642	0.003105689
2080 Jan	0.021029711	1.48384E-05	3.247124434	8.134477615	0.073776752	0.001043849	5.541563034	0.009548661	0.00412191	5.5529E-05	0.001513052	0.00052862	0.337427795	2.02001E-06	0.000433973	0.000796478	0.001623647	0.003105698
2080 Feb	0.02103021	1.48386E-05	3.247178078	8.134613037	0.073778033	0.001043866	5.541657448	0.009548816	0.004121983	5.55303E-05	0.001513077	0.000528629	0.337433398	2.02004E-06	0.00043398	0.000796492	0.001623674	0.003105748
2080 Mar	0.021030599	1.48388E-05	3.247225761	8.134731293	0.073779143	0.001043881	5.541739941	0.009548954	0.004122045	5.55313E-05	0.001513099	0.000528636	0.337438315	2.02007E-06	0.000433986	0.000796504	0.001623698	0.003105792
2080 Apr	0.021038411	1.48443E-05	3.248425007	8.137735367	0.073806405	0.001044267	5.543787956	0.00955248	0.004123569	5.5552E-05	0.001513658	0.000528831	0.337562919	2.02082E-06	0.000434146	0.000796798	0.001624298	0.003106939
2080 May	0.021088237	1.48796E-05	3.256119728	8.157066345	0.073982246	0.001046749	5.556748867	0.009575205	0.004133181	5.56844E-05	0.001517261	0.000530089	0.338365525	2.02553E-06	0.000435179	0.000798695	0.001628126	0.003114337
2080 Jun	0.021062704	1.49001E-05	3.256604195	8.163252831	0.0740688	0.001047848	5.540220737	0.009586678	0.00412014	5.55331E-05	0.00151937	0.000530643	0.338697076	2.01926E-06	0.000435729	0.000799611	0.0016272	0.003118709
2080 Jul	0.021100782	1.49801E-05	3.270334244	8.203016281	0.074458078	0.001053289	5.545569897	0.009637809	0.004121485	5.5568E-05	0.001527743	0.000533393	0.340423703	2.02068E-06	0.00043808	0.000803685	0.00163238	0.003136088
2080 Aug	0.02117948	1.50707E-05	3.288047075	8.250624657	0.074905887	0.001059616	5.565117359	0.009696325	0.004133859	5.57426E-05	0.001537157	0.000536586	0.342444211	2.02738E-06	0.000440756	0.000808394	0.001640047	0.003155587

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.0211749	1.51059E-05	3.293365002	8.267501831	0.075076304	0.001062055	5.5624156	0.009719009	0.00412966	5.56834E-05	0.0015409	0.000537791	0.343195319	2.02592E-06	0.000441809	0.000810098	0.001641381	0.003163472
2080 Oct	0.021151857	1.51118E-05	3.29308629	8.269094467	0.075101607	0.001062454	5.554389477	0.009722685	0.004122696	5.55813E-05	0.001541575	0.00053796	0.343294114	2.02268E-06	0.000441992	0.000810293	0.001640396	0.003164988
2080 Nov	0.021142034	1.51095E-05	3.291984558	8.267072678	0.075086638	0.00106228	5.55002737	0.009720876	0.004119554	5.55288E-05	0.001541312	0.000537847	0.343221515	2.02101E-06	0.000441918	0.00081011	0.001639581	0.003164493
2080 Dec	0.021142907	1.51099E-05	3.292057037	8.267266273	0.075088449	0.001062309	5.55010128	0.009721112	0.004119657	5.55292E-05	0.00154135	0.000537859	0.34322986	2.02104E-06	0.000441929	0.00081013	0.001639614	0.00316457
2081 Jan	0.021143444	1.51102E-05	3.292123318	8.267433167	0.075089984	0.001062331	5.550215721	0.009721305	0.004119745	5.55305E-05	0.00154138	0.00053787	0.343236744	2.02108E-06	0.000441938	0.000810146	0.001639647	0.003164632
2081 Feb	0.021143796	1.51104E-05	3.292161465	8.267529488	0.075090893	0.001062343	5.550282001	0.009721416	0.004119796	5.55314E-05	0.001541398	0.000537876	0.343240708	2.0211E-06	0.000441943	0.000810156	0.001639666	0.003164668
2081 Mar	0.021144884	1.51111E-05	3.292321444	8.267930984	0.075094558	0.001062394	5.550552845	0.009721887	0.004119997	5.55343E-05	0.001541473	0.000537902	0.343257397	2.0212E-06	0.000441964	0.000810196	0.001639746	0.003164822
2081 Apr	0.021156956	1.51197E-05	3.29419446	8.272639275	0.075137399	0.001062999	5.553693771	0.009727426	0.004122326	5.55659E-05	0.001542351	0.000538209	0.34345293	2.02234E-06	0.000442216	0.000810658	0.001640676	0.003166625
2081 May	0.02123992	1.51459E-05	3.299037695	8.286008835	0.075287923	0.001064674	5.55854702	0.009743103	0.004126613	5.58897E-05	0.001544883	0.000539067	0.344023198	2.02365E-06	0.000442933	0.000812265	0.001642802	0.00317175
2081 Jun	0.021234466	1.51583E-05	3.297636986	8.2888937	0.075374819	0.00106529	5.535976887	0.009750428	0.004106972	5.59757E-05	0.001546334	0.000539393	0.344229281	2.01419E-06	0.000443295	0.000813026	0.001639998	0.003174877
2081 Jul	0.021406228	1.52956E-05	3.32667923	8.363189697	0.076056905	0.001074919	5.58045435	0.009838883	0.004139062	5.64176E-05	0.001560424	0.000544268	0.347332716	2.03021E-06	0.000447322	0.000820343	0.00165399	0.003203867
2081 Aug	0.021566547	1.54266E-05	3.354308605	8.434041023	0.076707959	0.001084118	5.622235298	0.009923366	0.004168968	5.68288E-05	0.001573885	0.000548922	0.35029459	2.04521E-06	0.00045117	0.000827312	0.001667204	0.003231581
2081 Sep	0.021593966	1.54764E-05	3.363438606	8.459655762	0.076953642	0.001087605	5.628777981	0.009955647	0.004171988	5.68707E-05	0.001579117	0.00055067	0.351395875	2.04721E-06	0.000452653	0.000829861	0.001670745	0.003242477
2081 Oct	0.021595282	1.54938E-05	3.366219759	8.46818161	0.077038378	0.001088819	5.628413677	0.009966897	0.004170822	5.68528E-05	0.001580966	0.00055127	0.351771444	2.04686E-06	0.000453174	0.000830722	0.001671556	0.003246359
2081 Nov	0.021573655	1.54891E-05	3.364438772	8.464820862	0.077013001	0.001088484	5.621740818	0.009963822	0.004165413	5.67741E-05	0.001580522	0.000551083	0.351647824	2.04428E-06	0.000453043	0.00083041	0.001670259	0.003245512
2081 Dec	0.021573773	1.54894E-05	3.364439964	8.464877129	0.077013738	0.001088499	5.621558189	0.009963928	0.004165316	5.67715E-05	0.00158054	0.000551088	0.351651043	2.04421E-06	0.000453048	0.000830417	0.001670241	0.003245552
2082 Jan	0.021574065	1.54895E-05	3.364464998	8.464939117	0.077014334	0.001088507	5.621602535	0.009963999	0.004165355	5.67721E-05	0.001580551	0.000551092	0.351653606	2.04423E-06	0.000453051	0.000830424	0.001670253	0.003245575
2082 Feb	0.02157473	1.54898E-05	3.364548206	8.465148926	0.077016294	0.001088534	5.621744156	0.009964243	0.004165461	5.67739E-05	0.00158059	0.000551105	0.351662308	2.04428E-06	0.000453062	0.000830445	0.001670295	0.003245654
2082 Mar	0.021576602	1.54911E-05	3.364828825	8.465855598	0.077022739	0.001088624	5.622215271	0.009965072	0.004165811	5.67788E-05	0.001580722	0.000551151	0.351691633	2.04445E-06	0.0004531	0.000830514	0.001670434	0.003245925
2082 Apr	0.021585865	1.54978E-05	3.366267443	8.469474792	0.077055685	0.00108909	5.624619484	0.009969332	0.004167593	5.68032E-05	0.001581397	0.000551386	0.351841986	2.04532E-06	0.000453294	0.000830869	0.001671148	0.003247312
2082 May	0.021630576	1.55301E-05	3.373280048	8.487143517	0.077216603	0.001091363	5.636252403	0.00999015	0.004176192	5.69208E-05	0.001584701	0.000552538	0.352576375	2.04955E-06	0.000454241	0.000832604	0.00167462	0.003254096
2082 Jun	0.021522434	1.55071E-05	3.362746477	8.46750927	0.07707908	0.001089262	5.594558239	0.009972905	0.004144351	5.65103E-05	0.001582371	0.000551471	0.351864368	2.03408E-06	0.000453495	0.000831109	0.001667825	0.003249359
2082 Jul	0.02151861	1.55649E-05	3.370758295	8.493906975	0.07735312	0.001093045	5.586681843	0.010009203	0.004135924	5.64131E-05	0.00158846	0.000553383	0.353051454	2.03068E-06	0.000455178	0.000833957	0.001669995	0.003262033
2082 Aug	0.021638442	1.56757E-05	3.393420935	8.553100586	0.07790225	0.001100806	5.617359161	0.010080649	0.004157115	5.67059E-05	0.001599888	0.000557304	0.35554117	2.04154E-06	0.000458438	0.000839795	0.001680441	0.003285618
2082 Sep	0.021676924	1.57284E-05	3.403450012	8.580563545	0.078162745	0.001104502	5.626776695	0.010114768	0.004162598	5.67807E-05	0.001605394	0.000559159	0.356713414	2.04465E-06	0.000460002	0.000842521	0.001684585	0.003297053
2082 Oct	0.021585664	1.57029E-05	3.395339727	8.564030647	0.078030303	0.001102692	5.600506783	0.010098363	0.004141129	5.64773E-05	0.001602949	0.000558195	0.356081188	2.03455E-06	0.000459283	0.000840958	0.001679112	0.003292254
2082 Nov	0.021592004	1.57089E-05	3.396514177	8.567152023	0.078059457	0.001103109	5.601916313	0.010102166	0.004142138	5.64897E-05	0.001603558	0.000558402	0.356213242	2.03504E-06	0.000459457	0.000841268	0.001679634	0.003293515
2082 Dec	0.021593846	1.57102E-05	3.396794319	8.567857742	0.07806588	0.001103201	5.602380753	0.010102998	0.004142487	5.64944E-05	0.00160369	0.000558448	0.356242627	2.03521E-06	0.000459495	0.000841337	0.001679773	0.003293786
2083 Jan	0.02159436	1.57105E-05	3.396863461	8.568031311	0.078067489	0.001103223	5.602496147	0.010103201	0.004142575	5.64956E-05	0.001603722	0.00055846	0.356249839	2.03525E-06	0.000459504	0.000841354	0.001679808	0.003293852
2083 Feb	0.021595569	1.57113E-05	3.397042513	8.568483353	0.078071631	0.001103281	5.602793217	0.010103733	0.004142795	5.64988E-05	0.001603807	0.000558489	0.356268644	2.03536E-06	0.000459528	0.000841399	0.001679896	0.003294025
2083 Mar	0.021598129	1.57131E-05	3.397439003	8.569483757	0.078080751	0.00110341	5.603447437	0.010104911	0.00414328	5.65055E-05	0.001603993	0.000558554	0.356310189	2.03559E-06	0.000459582	0.000841497	0.001680092	0.003294409
2083 Apr	0.021611111	1.57226E-05	3.399477482	8.574625015	0.078127608	0.001104072	5.606810093	0.010110974	0.004145767	5.65394E-05	0.001604956	0.000558889	0.356523991	2.03681E-06	0.000459858	0.000842002	0.0016811	0.003296386
2083 May	0.021693215	1.57536E-05	3.405647278	8.590916634	0.078297563	0.001106123	5.615088463	0.010129983	0.004152585	5.68388E-05	0.001608	0.000559936	0.357210249	2.0395E-06	0.000460725	0.000843829	0.001684007	0.003302569
2083 Jun	0.021655235	1.57248E-05	3.394100428	8.569925308	0.078193218	0.001103681	5.570501328	0.010109807	0.00411688	5.69083E-05	0.001605167	0.000558722	0.356446832	2.02163E-06	0.000459843	0.000842509	0.001675758	0.003296855
2083 Jul	0.021741938	1.58301E-05	3.414421797	8.624982834	0.078714006	0.001111005	5.591432095	0.010177826	0.004129818	5.70994E-05	0.001616143	0.000562428	0.358788967	2.02876E-06	0.000462955	0.000848004	0.001684494	0.003319572
2083 Aug	0.021816446	1.59201E-05	3.431573391	8.671671867	0.07915622	0.001117247	5.608353138	0.010235659	0.004140247	5.72512E-05	0.001625468	0.000565576	0.360778779	2.03448E-06	0.000465603	0.000852632	0.001691726	0.003338909
2083 Sep	0.021806618	1.59517E-05	3.436138153	8.686685562	0.079309247	0.001119451	5.604381561	0.01025615	0.004135166	5.71757E-05	0.001628865	0.000566658	0.361452073	2.03254E-06	0.000466557	0.000854155	0.00169267	0.003346087
2083 Oct	0.021737231	1.5932E-05	3.429652929	8.67352581	0.079203621	0.001118048	5.583109856	0.01024314	0.00411828	5.69228E-05	0.001626922	0.000565889	0.360950738	2.02438E-06	0.00046599	0.00085291	0.001688278	0.003342283
2083 Nov	0.021718422	1.59263E-05	3.427807808	8.669753075	0.07917317	0.001117647	5.577141285	0.01023938	0.004113619	5.68517E-05	0.001626358	0.000565668	0.360806674	2.02209E-06	0.000465826	0.000852553	0.00168704	0.003341177
2083 Dec	0.021719621	1.59272E-05	3.427987337	8.670207977	0.079177327	0.001117706	5.577430248	0.010239919	0.004113838	5.68546E-05	0.001626443	0.000565697	0.360825628	2.0222E-06	0.000465851	0.000852598	0.001687128	0.003341352
2084 Jan	0.021719895	1.59273E-05	3.428016424	8.670280457	0.079178013	0.001117716	5.577478886	0.010240003	0.004113878	5.68553E-05	0.001626456	0.000565702	0.360828638	2.02222E-06	0.000465855	0.000852605	0.001687143	0.00334138
2084 Feb	0.021720422	1.59276E-05	3.428085089	8.670454979	0.079179637	0.001117738	5.577593327	0.010240207	0.004113963	5.68566E-05	0.001626489	0.000565713	0.36083591	2.02226E-06	0.000465864	0.000852623	0.001687177	0.003341446
2084 Mar	0.021723058	1.59295E-05	3.428493023	8.671485901	0.07918907	0.001117871	5.578257561	0.010241425	0.004114454	5.68635E-05	0.001626682	0.000565781	0.360878795	2.0225E-06	0.000465919	0.000852724	0.001687377	0.003341843
2084 Apr	0.021742806	1.5944E-05	3.431605577	8.679359436	0.079260983	0.001118885	5.583322525	0.010250722	0.00411819	5.69152E-05	0.001628159	0.000566294	0.361206442	2.02433E-06	0.000466342	0.000853499	0.001688909	0.003344877
2084 May	0.021839822	1.59778E-05	3.438050032	8.69682312	0.079450667	0.001121083	5.590667248	0.010271206	0.004124394	5.72841E-05	0.001631456	0.000567418	0.361947685	2.02652E-06	0.000467278	0.000855529	0.001691818	0.003351566
2084 Jun	0.021768942	1.59468E-05	3.42616272	8.67504406	0.079330057	0.001118585	5.545172215	0.010250531	0.004086949	5.72305E-05	0.001628546	0.000566174	0.361152083	2.00838E-06	0.000466374	0.000854007	0.00168325	0.003345771
2084 Jul	0.021884037	1.60625E-05	3.449311495	8.736344337	0.079903588	0.001126657	5.573736668	0.010325166	0.004106102	5.75072E-05	0.001640529	0.000570259	0.363741279	2.01838E-06	0.000469782	0.000860098	0.001693687	0.003370517
2084 Aug	0.02198451	1.61662E-05	3.470021248	8.791266441	0.080417342	0.001133907	5.599074364	0.010392081	0.00412286	5.77466E-05	0.001651267	0.000573921	0.366062224	2.0272E-06	0.000472839	0.00086553	0.001702927	0.003392717
2084 Sep	0.021978298	1.61977E-05	3.474858999	8.806571007	0.080571294	0.001136109	5.596819401	0.010412632	0.004119046	5.76915E-05	0.001654659	0.000575013	0.366742313	2.02594E-06	0.000473791	0.00086707	0.001704148	0.003399864
2084 Oct	0.021935891	1.61911E-05	3.471783876	8.801211357	0.080532998	0.001135632	5.583827972	0.010408208	0.004108441	5.75297E-05	0.001654049	0.000574732	0.366553694	2.02089E-06	0.000473608	0.000866577	0.001701735	0.003398753
2084 Nov	0.021925336	1.61891E-05	3.470904827	8.799629211	0.080521338	0.001135491	5.580267429	0.010406839	0.004105654	5.74851E-05	0.001653855	0.000574646	0.366497129	2.01952E-06	0.000473551	0.00086643	0.001701066	0.003398393
2084 Dec	0.02192696	1.61903E-05	3.471151352	8.800253868	0.080527045	0.001135572	5.580666065	0.010407576	0.004105954	5.74892E-05	0.001653972	0.000574687	0.366523147	2.01966E-06	0.000473585	0.000866492	0.001701187	0.003398633
2085 Jan	0.021927133	1.61904E-05	3.471166134	8.800290108	0.080527395	0.001135577	5.580691338	0.010407618	0.004105976	5.74896E-05	0.001653979	0.000574689	0.366524637	2.01967E-06	0.000473587	0.000866495	0.001701194	0.003398647
2085 Feb	0.021927673	1.61907E-05	3.471239328	8.800476074	0.080529124	0.001135601	5.580810547	0.010407835	0.004106064	5.7491E-05	0.001654014	0.000574701	0.366532356	2.01971E-06	0.000473597	0.000866514	0.00170123	0.003398718
2085 Mar	0.021928687	1.61914E-05	3.471392632	8.800865173	0.0805327	0.001135651	5.581058025	0.010408295	0.004106247	5.74936E-05	0.001654087	0.000574726	0.366548568	2.0198E-06	0.000473618	0.000866553	0.001701305	0.003398868
2085 Apr	0.02193928	1.61992E-05	3.473065615	8.805106163	0.080571517	0.001136198	5.583748341	0.01041331	0.004108227	5.75214E-05	0.001654883	0.000575003	0.366725206	2.02078E-06	0.000473846	0.00086697	0.001702125	0.003400506
2085 May	0.02201407	1.62299E-05	3.478809595	8.820912361	0.08074107	0.001138217	5.589441776	0.010432171	0.004112696	5.78047E-05	0.00165793	0.000576034	0.367399275	2.02241E-06	0.000474709	0.000868772	0.001704605	0.003406719
2085 Jun	0.022050561	1.62588E-05	3.482159138	8.83393383	0.080907434	0.001140042	5.580666542	0.010450119	0.004104384	5.79957E-05	0.001660984	0.000576972	0.36800164	2.01827E-06	0.000475545	0.000870445	0.001704788	0.003413068
2085 Jul	0.022195565	1.63887E-05	3.508749962	8.903339386	0.081552215	0.001149121	5.616853237	0.010533813	0.004129577	5.83577E-05	0.001674374	0.000581565	0.370919764	2.03109E-06	0.000479362	0.000877314	0.001717107	0.003440683
2085 Aug	0.022227442	1.64635E-05	3.522125959	8.941477776	0.081920765	0.001154332	5.624417305	0.010582353	0.004131901	5.83968E-05	0.001682268	0.000584187	0.372567058	2.03322E-06	0.000481592	0.000881112	0.001722071	0.003457143
2085 Sep	0.022176908	1.64735E-05	3.521537781	8.944155693	0.081963934	0.001155015	5.609661579	0.010588869	0.004118511	5.81963E-05	0.00168347	0.000584487	0.372737736	2.02729E-06	0.000481915	0.00088142	0.001720214	0.003459859
2085 Oct	0.022130094	1.64647E-05	3.518010855	8.937670708	0.081915289	0.001154391	5.595887184	0.010583139	0.00410722	5.80245E-05	0.001682655	0.000584133	0.372502357	2.02196E-06	0.000481672	0.000880814	0.001717568	0.003458329
2085 Nov	0.022106018	1.6456E-05	3.515488625	8.93221283	0.081869364	0.001153775	5.58872509	0.010577419	0.004101637	5.79385E-05	0.001681781	0.000583803	0.372288525	2.01924E-06	0.00048142	0.000880289	0.001715984	0.003456589
2085 Dec	0.022106819	1.64566E-05	3.515601873	8.932499886	0.081871986	0.001153813	5.588907719	0.010577757	0.00410178	5.79404E-05	0.001681835	0.000583822	0.372300446	2.0193E-06	0.000481435	0.000880317	0.00171604	0.003456699
2086 Jan	0.022107063	1.64567E-05	3.515625	8.93255806	0.081872538	0.00115382	5.588946342	0.010577825	0.004101812	5.7941E-05	0.001681846	0.000583825	0.37230286	2.01932E-06	0.000481438	0.000880323	0.001716051	0.00345672
2086 Feb	0.022107353	1.64568E-05	3.515655756	8.932636261	0.081873298	0.00115383	5.588997841	0.010577915	0.004101851	5.79417E-05	0.00168186	0.00058383	0.372306138	2.01934E-06	0.000481442	0.000880331	0.001716066	0.00345675
2086 Mar	0.022108659	1.64578E-05	3.515855312	8.933143616	0.081877962	0.001153895	5.589315891	0.010578515	0.004102085	5.79451E-05	0.001681955	0.000583863	0.372327268	2.01945E-06	0.00048147	0.000880381	0.001716164	0.003456946
2086 Apr	0.022123214	1.64686E-05	3.518165112	8.939011574	0.081931755	0.001154653	5.592988491	0.010585464	0.00410478	5.79833E-05	0.00168306	0.000584247	0.372571886	2.02078E-06	0.000481786	0.00088096	0.001717291	0.003459217
2086 May	0.022185845	1.65058E-05	3.52594161	8.959003448	0.082121879	0.00115722	5.604747772	0.01060907	0.004113627	5.81746E-05	0.001686822	0.000585549	0.3734079	2.02492E-06	0.000482861	0.000883002	0.001721041	0.003466926
2086 Jun	0.022146519	1.64739E-05	3.514454603	8.936629295	0.081988588	0.001154554	5.56466198	0.010586553	0.004082601	5.81844E-05	0.00168357	0.00058422	0.372568518	2.00918E-06	0.000481867	0.000881458	0.001713508	0.00346027
2086 Jul	0.022263978	1.6605E-05	3.539935827	9.005213737	0.08263617	0.00116365	5.592318535	0.010670938	0.004100465	5.84492E-05	0.001697175	0.000588822	0.375480711	2.01872E-06	0.000485726	0.000888322	0.001724688	0.003488385
2086 Aug	0.022353293	1.67099E-05	3.560326099	9.060218811	0.083155081	0.001170971	5.614180565	0.01073867	0.004114099	5.86486E-05	0.00170808	0.000592516	0.37781775	2.02616E-06	0.000488825	0.000893775	0.001733445	0.003510977
2086 Sep	0.022327797	1.6734E-05	3.563044786	9.070815086	0.083268709	0.001172639	5.606214523	0.010754208	0.00410589	5.85215E-05	0.001710698	0.000593321	0.37831226	2.02276E-06	0.000489554	0.000894852	0.001733378	0.003516575
2086 Oct	0.022325514	1.6747E-05	3.564917326	9.076929092	0.083330601	0.001173543	5.604725838	0.010762517	0.004104102	5.84898E-05	0.001712072	0.000593759	0.378586054	2.02203E-06	0.000489942	0.000895471	0.001733784	0.003519479
2086 Nov	0.022334291	1.67538E-05	3.566362381	9.080637932	0.083364785	0.001174026	5.606898308	0.010766939	0.004105682	5.85121E-05	0.001712776	0.000594003	0.378741205	2.02281E-06	0.000490144	0.000895837	0.001734475	0.003520929
2086 Dec	0.022335574	1.67548E-05	3.566559792	9.081141472	0.083369389	0.001174091	5.607210159	0.010767535	0.004105914	5.85153E-05	0.001712871	0.000594036	0.378762156	2.02292E-06	0.000490171	0.000895887	0.001734572	0.003521124
2087 Jan	0.022335868	1.67549E-05	3.566597939	9.081236839	0.083370291	0.001174104	5.607271194	0.010767649	0.004105961	5.8516E-05	0.001712889	0.000594042	0.378766209	2.02294E-06	0.000490176	0.000895897	0.00173459	0.003521161
2087 Feb	0.022336841	1.67556E-05	3.566744804	9.081611633	0.08337374	0.001174152	5.607502937	0.010768089	0.004106132	5.85186E-05	0.001712959	0.000594066	0.378781796	2.02302E-06	0.000490196	0.000895934	0.001734662	0.003521306
2087 Mar	0.022340074	1.6758E-05	3.567256451	9.082913399	0.083385713	0.00117432	5.608308315	0.010769635	0.004106721	5.8527E-05	0.001713205	0.000594152	0.378836125	2.02332E-06	0.000490266	0.000896062	0.00173491	0.00352181
2087 Apr	0.022347594	1.67637E-05	3.568454504	9.085963249	0.083413728	0.001174714	5.610191822	0.01077325	0.004108101	5.85467E-05	0.00171378	0.000594351	0.378963321	2.02399E-06	0.000490431	0.000896363	0.001735493	0.003522993
2087 May	0.022387492	1.67822E-05	3.571828604	9.095450401	0.083515681	0.00117594	5.612877369	0.010784745	0.004110024	5.86997E-05	0.001715645	0.000594977	0.379370362	2.02469E-06	0.000490958	0.000897439	0.00173687	0.003526811
2087 Jun	0.022398409	1.67853E-05	3.56902957	9.093741417	0.083559565	0.001175875	5.591548443	0.010785639	0.004092492	5.88546E-05	0.00171603	0.000594963	0.379370779	2.01581E-06	0.000491021	0.000897785	0.001733823	0.003527659
2087 Jul	0.022511182	1.68991E-05	3.591629028	9.153800964	0.084122866	0.001183797	5.618727684	0.010858907	0.004110655	5.91224E-05	0.0017278	0.000598969	0.381910622	2.02529E-06	0.000494368	0.000903755	0.001743931	0.003551974

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.022642588	1.70163E-05	3.615611076	9.216432571	0.084705174	0.001191997	5.651268005	0.010934436	0.00413329	5.9451E-05	0.001739881	0.000603115	0.384544522	2.0368E-06	0.000497814	0.000909951	0.001755009	0.003576897
2087 Sep	0.022699643	1.70809E-05	3.628229141	9.250370979	0.085024744	0.00119652	5.665164948	0.010976122	0.004142188	5.95766E-05	0.001746587	0.000605389	0.385984987	2.04154E-06	0.000499722	0.000913319	0.00176046	0.003590787
2087 Oct	0.022686038	1.70877E-05	3.62869525	9.253060341	0.085055836	0.001196992	5.660955906	0.010980501	0.004138253	5.95141E-05	0.001747343	0.000605609	0.386118114	2.0398E-06	0.000499932	0.000913601	0.001760122	0.00359243
2087 Nov	0.022680568	1.7088E-05	3.628455877	9.252890587	0.085056119	0.001197012	5.659120083	0.010980645	0.00413675	5.94889E-05	0.001747382	0.00060561	0.386117309	2.03907E-06	0.000499942	0.00091359	0.001759841	0.003592537
2087 Dec	0.022681786	1.70888E-05	3.628640652	9.253361702	0.085060433	0.001197073	5.659410477	0.010981202	0.004136967	5.9492E-05	0.001747471	0.000605641	0.386136919	2.03918E-06	0.000499968	0.000913636	0.001759931	0.003592719
2088 Jan	0.02268232	1.70892E-05	3.628714085	9.253548622	0.085062176	0.001197097	5.659526825	0.010981423	0.004137055	5.94933E-05	0.001747506	0.000605653	0.386144727	2.03922E-06	0.000499978	0.000913655	0.001759967	0.003592791
2088 Feb	0.022682689	1.70894E-05	3.628761053	9.253668785	0.085063301	0.001197112	5.659601688	0.010981563	0.004137111	5.94943E-05	0.001747528	0.000605661	0.386149734	2.03924E-06	0.000499984	0.000913667	0.00175999	0.003592837
2088 Mar	0.02268612	1.7092E-05	3.629303455	9.255051613	0.085076034	0.001197291	5.660448074	0.010983204	0.004137731	5.95033E-05	0.001747789	0.000605751	0.386207461	2.03955E-06	0.000500059	0.000913803	0.001760253	0.003593373
2088 Apr	0.022714868	1.71136E-05	3.633901596	9.2667799	0.085183881	0.001198808	5.667610645	0.010997124	0.004142964	5.95787E-05	0.001750004	0.000606519	0.386696935	2.04213E-06	0.000500693	0.000914962	0.001762482	0.003597928
2088 May	0.022779556	1.71621E-05	3.644144058	9.293014526	0.085426398	0.001202204	5.683247566	0.011028308	0.004154322	5.97486E-05	0.001754971	0.000608237	0.387793064	2.04773E-06	0.000502113	0.000917562	0.001767406	0.003608142
2088 Jun	0.022761203	1.7174E-05	3.643302679	9.295084	0.085474402	0.001202705	5.667222023	0.011034162	0.004142202	5.96429E-05	0.001756149	0.000608493	0.387942135	2.04168E-06	0.000502402	0.000918084	0.001766088	0.003610557
2088 Jul	0.022903707	1.73076E-05	3.669987202	9.365550041	0.086134367	0.00121197	5.700593948	0.01111982	0.004165386	5.99815E-05	0.001769908	0.000613181	0.390917152	2.05347E-06	0.000506314	0.000925133	0.001778324	0.003638912
2088 Aug	0.023096431	1.74683E-05	3.70335412	9.451867104	0.08693336	0.001223219	5.748580456	0.011223255	0.00419948	6.04742E-05	0.00178642	0.000618869	0.394536078	2.07058E-06	0.000511029	0.000933668	0.001794048	0.003672929
2088 Sep	0.023147747	1.75292E-05	3.715221167	9.483858109	0.087235004	0.00122748	5.761412621	0.011262615	0.00420747	6.05898E-05	0.001792756	0.000621016	0.395894736	2.07494E-06	0.00051283	0.000936843	0.001799145	0.003686057
2088 Oct	0.023067035	1.75011E-05	3.707297564	9.466635704	0.087089196	0.00122551	5.739226818	0.011244528	0.004189726	6.03185E-05	0.001789993	0.000619975	0.395217836	2.0665E-06	0.000512028	0.000935174	0.001794178	0.003680553
2088 Nov	0.023058908	1.75001E-05	3.70670104	9.465660095	0.087082475	0.001225438	5.73648119	0.011243796	0.004187574	6.0282E-05	0.001789895	0.000619926	0.395184994	2.06544E-06	0.000512	0.000935084	0.001793686	0.003680386
2088 Dec	0.023060655	1.75014E-05	3.706971407	9.466350555	0.087088808	0.001225528	5.736901283	0.011244614	0.004187887	6.02864E-05	0.001790026	0.000619971	0.395213783	2.06559E-06	0.000512037	0.000935152	0.001793817	0.003680653
2089 Jan	0.023061059	1.75016E-05	3.707023859	9.466483116	0.08709006	0.001225545	5.73698473	0.011244771	0.004187951	6.02874E-05	0.001790051	0.000619979	0.395219356	2.06562E-06	0.000512044	0.000935166	0.001793842	0.003680705
2089 Feb	0.023061743	1.75021E-05	3.707121134	9.466732025	0.087092377	0.001225577	5.737136364	0.011245064	0.004188063	6.02892E-05	0.001790097	0.000619995	0.395229727	2.06567E-06	0.000512058	0.000935191	0.001793889	0.003680801
2089 Mar	0.023065982	1.75053E-05	3.707796335	9.468456268	0.087108247	0.0012258	5.738182545	0.011247111	0.004188827	6.03003E-05	0.001790423	0.000620108	0.39530167	2.06605E-06	0.000512151	0.000935361	0.001794216	0.003681471
2089 Apr	0.023084482	1.75193E-05	3.710765839	9.476039886	0.087178029	0.001226782	5.742778301	0.011256119	0.004192181	6.03486E-05	0.001791857	0.000620605	0.39561829	2.06771E-06	0.000512561	0.00093611	0.001795653	0.003684419
2089 May	0.023149777	1.75535E-05	3.717196226	9.493753433	0.08736188	0.001229076	5.748936653	0.011277538	0.004196547	6.05867E-05	0.001795319	0.000621774	0.396374136	2.06953E-06	0.000513541	0.000938055	0.001798377	0.00369152
2089 Jun	0.023204617	1.75839E-05	3.720639706	9.507322311	0.08754234	0.00123095	5.739486217	0.011296063	0.004188019	6.08617E-05	0.001798477	0.000622741	0.397003204	2.06501E-06	0.000514404	0.00093988	0.001798553	0.003698052
2089 Jul	0.023338677	1.77131E-05	3.746509075	9.575708389	0.088182308	0.001239949	5.771822453	0.011379189	0.004209969	6.11865E-05	0.001811813	0.000627292	0.399890304	2.07634E-06	0.0005182	0.000946672	0.001810244	0.003725589
2089 Aug	0.023466168	1.7832E-05	3.770479202	9.63882637	0.088771686	0.001248246	5.802618504	0.011455705	0.004231092	6.14969E-05	0.001824074	0.000631484	0.40255177	2.08716E-06	0.000521694	0.000952923	0.001821137	0.003750904
2089 Sep	0.023485819	1.78797E-05	3.778957129	9.663121223	0.089006513	0.00125159	5.807063103	0.011486678	0.004232415	6.15122E-05	0.001829113	0.000633155	0.403602362	2.08835E-06	0.00052312	0.000955348	0.001824233	0.00376142
2089 Oct	0.023390301	1.78441E-05	3.769155502	9.641477585	0.088821217	0.001249092	5.780703545	0.011463642	0.004211588	6.11872E-05	0.001825573	0.000631834	0.402746499	2.07837E-06	0.000522096	0.000953244	0.001818216	0.003754347
2089 Nov	0.023391785	1.78478E-05	3.769722462	9.643219948	0.088838421	0.001249349	5.780597687	0.011465939	0.004211468	6.11817E-05	0.001825949	0.000631956	0.402823508	2.07829E-06	0.000522204	0.000953419	0.001818382	0.003755137
2089 Dec	0.023393858	1.78493E-05	3.770047426	9.644049644	0.088846065	0.001249457	5.781096935	0.011466925	0.004211837	6.1187E-05	0.001826105	0.00063201	0.402858168	2.07847E-06	0.000522249	0.000953501	0.001818539	0.003755459
2090 Jan	0.023394801	1.785E-05	3.770187378	9.644408226	0.088849373	0.001249503	5.781313419	0.011467349	0.004211998	6.11894E-05	0.001826173	0.000632033	0.402873129	2.07855E-06	0.000522268	0.000953537	0.001818606	0.003755598
2090 Feb	0.023395902	1.78508E-05	3.770353079	9.644831657	0.088853307	0.001249558	5.781569004	0.011467852	0.004212185	6.11922E-05	0.001826253	0.000632061	0.402890801	2.07864E-06	0.000522291	0.000953579	0.001818686	0.003755762
2090 Mar	0.023399195	1.78532E-05	3.7708776	9.646173477	0.08886569	0.001249732	5.782374382	0.011469447	0.004212772	6.12009E-05	0.001826507	0.000632149	0.40294686	2.07893E-06	0.000522363	0.000953712	0.001818939	0.003756285
2090 Apr	0.023410561	1.78619E-05	3.772705793	9.650849342	0.088908777	0.001250337	5.785177708	0.011475006	0.004214815	6.12306E-05	0.001827392	0.000632455	0.403142214	2.07994E-06	0.000522617	0.000954174	0.001819821	0.003758105
2090 May	0.023455709	1.78927E-05	3.779115438	9.667406082	0.08906465	0.001252479	5.794558048	0.011494705	0.004221689	6.13608E-05	0.001830535	0.00063354	0.403835773	2.08325E-06	0.000523514	0.000955844	0.00182287	0.003764563
2090 Jun	0.023397993	1.78431E-05	3.764253139	9.635940552	0.088845149	0.001248601	5.750905991	0.011460991	0.004188105	6.13341E-05	0.001825476	0.000631601	0.402609676	2.06626E-06	0.000522007	0.000953377	0.001813823	0.003754183
2090 Jul	0.023517499	1.79638E-05	3.788054228	9.69935894	0.08944159	0.001256973	5.778875828	0.011538499	0.004206905	6.16146E-05	0.001837945	0.000635837	0.405294269	2.07602E-06	0.000525549	0.000959719	0.001824493	0.003779919
2090 Aug	0.023505988	1.80123E-05	3.79533267	9.722569466	0.089675374	0.001260328	5.774696827	0.011569868	0.004200493	6.15154E-05	0.001843124	0.000637501	0.406329155	2.07387E-06	0.000527002	0.000962035	0.001826265	0.003790842
2090 Sep	0.023433927	1.80069E-05	3.791504622	9.716930389	0.089640647	0.001259945	5.755069256	0.011566495	0.004183623	6.12505E-05	0.001842748	0.000637256	0.40615201	2.06619E-06	0.000526876	0.000961508	0.001822839	0.00379032
2090 Oct	0.02333118	1.79593E-05	3.779230595	9.688664436	0.089392528	0.001256599	5.725831985	0.011535332	0.004161436	6.08919E-05	0.001837895	0.000635489	0.405016243	2.05524E-06	0.000525484	0.000958743	0.001815749	0.003780531
2090 Nov	0.02329432	1.79426E-05	3.774984837	9.678871155	0.089306556	0.00125543	5.715784073	0.011524528	0.004153664	6.07696E-05	0.001836214	0.000634877	0.404622287	2.05147E-06	0.000525001	0.000957784	0.001813299	0.003777139
2090 Dec	0.023296023	1.79438E-05	3.775242805	9.679531097	0.089312643	0.001255516	5.71617794	0.011525313	0.00415396	6.07737E-05	0.001836339	0.00063492	0.404649884	2.05161E-06	0.000525036	0.00095785	0.001813423	0.003777396
2091 Jan	0.023296483	1.79441E-05	3.775301933	9.679682732	0.089314058	0.001255536	5.71626997	0.011525491	0.004154031	6.07748E-05	0.001836367	0.00063493	0.404656202	2.05164E-06	0.000525044	0.000957865	0.001813452	0.003777454
2091 Feb	0.023296807	1.79443E-05	3.775339365	9.679778099	0.089314975	0.001255548	5.716328621	0.011525603	0.004154075	6.07757E-05	0.001836385	0.000634936	0.404660195	2.05166E-06	0.00052505	0.000957875	0.00181347	0.003777491
2091 Mar	0.023302304	1.79485E-05	3.776221752	9.682040215	0.089335874	0.001255841	5.717665672	0.011528296	0.004155047	6.079E-05	0.001836814	0.000635085	0.404754758	2.05214E-06	0.000525172	0.000958099	0.001813894	0.003778373
2091 Apr	0.023323892	1.79651E-05	3.7797153	9.690998077	0.089418538	0.001257003	5.722956181	0.011538962	0.004158892	6.08463E-05	0.001838513	0.000635672	0.405129254	2.05404E-06	0.000525658	0.000958985	0.001815572	0.003781869
2091 May	0.023397252	1.80073E-05	3.78834939	9.713484764	0.089636207	0.001259897	5.735123158	0.01156564	0.004168028	6.10786E-05	0.001842777	0.00063714	0.406073451	2.05825E-06	0.000526874	0.000961318	0.001819647	0.003790606
2091 Jun	0.023420155	1.79953E-05	3.782719851	9.703845978	0.089610882	0.001258723	5.71186018	0.01155626	0.004150216	6.13038E-05	0.001841495	0.000636571	0.405733168	2.04871E-06	0.000526466	0.000960958	0.001815558	0.003787942
2091 Jul	0.023607353	1.81524E-05	3.81499958	9.787760735	0.09039095	0.001269677	5.756863117	0.011657121	0.004182223	6.17786E-05	0.001857622	0.00064211	0.409257263	2.06473E-06	0.000531066	0.000969297	0.001830699	0.003821156
2091 Aug	0.023644784	1.82273E-05	3.828538895	9.826013565	0.090759106	0.001274894	5.765612602	0.011705565	0.004185755	6.18298E-05	0.001865485	0.000644731	0.410905838	2.06734E-06	0.000533291	0.0009731	0.001835855	0.00383754
2091 Sep	0.023635741	1.82543E-05	3.832434893	9.838728905	0.090887912	0.001276772	5.76237011	0.011722933	0.004181549	6.17563E-05	0.001868357	0.000645649	0.411476642	2.06578E-06	0.000534098	0.000974368	0.001836686	0.003843614
2091 Oct	0.02356945	1.82319E-05	3.826110363	9.824987411	0.0907709	0.001275206	5.744631767	0.011708532	0.004167325	6.15309E-05	0.001866156	0.000644819	0.410936683	2.05904E-06	0.00053346	0.000973028	0.00183271	0.003839237
2091 Nov	0.02352443	1.82092E-05	3.820455074	9.811717033	0.090653136	0.001273613	5.731969833	0.011693691	0.004157824	6.13757E-05	0.001863834	0.000643982	0.410399646	2.05432E-06	0.000532795	0.000971726	0.001829535	0.003834536
2091 Dec	0.023525387	1.82099E-05	3.820583582	9.812066078	0.09065643	0.001273662	5.732094288	0.011694121	0.004157942	6.13765E-05	0.001863903	0.000644005	0.410414606	2.05436E-06	0.000532815	0.000971761	0.00182959	0.003834678
2092 Jan	0.023525832	1.82101E-05	3.820637941	9.812205315	0.090657741	0.00127368	5.732178688	0.011694285	0.004158007	6.13776E-05	0.001863928	0.000644014	0.410420388	2.05439E-06	0.000532823	0.000971775	0.001829616	0.003834732
2092 Feb	0.023526743	1.82108E-05	3.820768118	9.812539101	0.090660863	0.001273723	5.732376099	0.01169468	0.004158152	6.138E-05	0.001863991	0.000644036	0.410434365	2.05446E-06	0.000532841	0.000971808	0.001829679	0.003834861
2092 Mar	0.023533281	1.82158E-05	3.821820259	9.81524086	0.090685844	0.001274074	5.73395586	0.011697899	0.004159299	6.1397E-05	0.001864505	0.000644213	0.410547376	2.05503E-06	0.000532987	0.000972076	0.001830183	0.003835917
2092 Apr	0.023551362	1.82297E-05	3.824751139	9.822768211	0.090755403	0.001275051	5.738353729	0.011706869	0.004162489	6.14442E-05	0.001865934	0.000644707	0.410862207	2.05661E-06	0.000533396	0.000972822	0.001831586	0.003838858
2092 May	0.023622237	1.8266E-05	3.832051754	9.841966629	0.090945922	0.001277513	5.74814415	0.011729622	0.004169968	6.1682E-05	0.001869577	0.000645958	0.411670536	2.0599E-06	0.000534434	0.000974861	0.00183499	0.003846311
2092 Jun	0.023484387	1.81546E-05	3.803300142	9.7765522	0.090431735	0.001269263	5.67848587	0.011656301	0.004116349	6.15036E-05	0.001858275	0.000641821	0.409045696	2.03312E-06	0.000531128	0.000969177	0.001818668	0.003823128
2092 Jul	0.023513617	1.82279E-05	3.816098213	9.813447952	0.090790935	0.001274299	5.684191227	0.011703625	0.00411764	6.15306E-05	0.001866014	0.00064437	0.410644442	2.03466E-06	0.000533303	0.000972925	0.001823471	0.003839212
2092 Aug	0.023655707	1.836E-05	3.842798471	9.88369751	0.091447398	0.001283531	5.718726635	0.011788704	0.004141257	6.18845E-05	0.001879645	0.000649033	0.41360575	2.04678E-06	0.000537187	0.000979896	0.001835619	0.003867352
2092 Sep	0.023672855	1.84022E-05	3.850320816	9.905202866	0.091655143	0.001286488	5.722781181	0.011816111	0.004142464	6.18985E-05	0.001884101	0.000650512	0.414535612	2.04789E-06	0.000538448	0.000982037	0.001838381	0.003876653
2092 Oct	0.023653233	1.84056E-05	3.850085735	9.906108856	0.09166944	0.00128673	5.717466831	0.011818392	0.004137644	6.18194E-05	0.001884524	0.000650616	0.414594233	2.04575E-06	0.000538562	0.000982137	0.001837692	0.003877613
2092 Nov	0.023650995	1.84076E-05	3.850294828	9.906970978	0.091678672	0.00128687	5.716707706	0.011819676	0.004136925	6.18064E-05	0.001884741	0.000650682	0.414634824	2.04542E-06	0.000538623	0.000982225	0.001837669	0.003878079
2092 Dec	0.023653114	1.84092E-05	3.850630283	9.907833099	0.091686651	0.001286983	5.717207432	0.011820706	0.004137293	6.18118E-05	0.001884904	0.000650739	0.414670914	2.0456E-06	0.00053867	0.000982311	0.00183783	0.003878416
2093 Jan	0.023653425	1.84094E-05	3.850668907	9.907932281	0.09168759	0.001286995	5.71726656	0.011820823	0.004137338	6.18125E-05	0.001884923	0.000650745	0.414675057	2.04562E-06	0.000538675	0.000982321	0.001837848	0.003878455
2093 Feb	0.023654252	1.841E-05	3.850792646	9.908250809	0.091690548	0.001287037	5.717451572	0.0118212	0.004137473	6.18147E-05	0.001884983	0.000650766	0.414688349	2.04569E-06	0.000538692	0.000982352	0.001837907	0.003878578
2093 Mar	0.023663901	1.84175E-05	3.852356911	9.912274361	0.091727808	0.001287559	5.719774723	0.011826001	0.004139155	6.18399E-05	0.001885749	0.00065103	0.414856791	2.04652E-06	0.000538911	0.000982751	0.001838654	0.003880154
2093 Apr	0.023683367	1.84326E-05	3.855522394	9.920419693	0.091803193	0.001288617	5.724475861	0.011835719	0.004142556	6.18908E-05	0.001887298	0.000651565	0.41519773	2.0482E-06	0.000539354	0.000983559	0.001840165	0.003883342
2093 May	0.023754261	1.84728E-05	3.863652706	9.941757202	0.092011765	0.001291366	5.735441208	0.011861102	0.004150758	6.21199E-05	0.001891361	0.00065296	0.416095674	2.05194E-06	0.000540512	0.00098579	0.001843951	0.003891669
2093 Jun	0.023720767	1.84361E-05	3.852371216	9.918429375	0.091860332	0.00128848	5.700891972	0.011836234	0.004123764	6.2176E-05	0.001887652	0.000651526	0.415194005	2.03828E-06	0.000539401	0.00098405	0.001836839	0.003884069
2093 Jul	0.02385751	1.85674E-05	3.878537178	9.987764359	0.092511028	0.00129761	5.733028889	0.011920612	0.004145596	6.25085E-05	0.0019012	0.000656143	0.418123484	2.04951E-06	0.000543256	0.000990962	0.001848646	0.003912035
2093 Aug	0.023974963	1.86841E-05	3.901800394	10.04952908	0.093090683	0.001305759	5.761283875	0.011995855	0.004164425	6.27944E-05	0.001913278	0.000660259	0.420734525	2.05933E-06	0.000546693	0.000997096	0.001859025	0.003936997
2093 Sep	0.023982909	1.87244E-05	3.908681631	10.06981087	0.093288586	0.001308589	5.763041496	0.012022125	0.0041637	6.27773E-05	0.00191757	0.00066167	0.421618462	2.05954E-06	0.000547905	0.000999121	0.001861319	0.003945985
2093 Oct	0.023853322	1.86643E-05	3.893778801	10.03499794	0.092979617	0.001304394	5.729223251	0.011983391	0.004137507	6.23528E-05	0.001911523	0.000659485	0.420210928	2.04691E-06	0.000546167	0.00099569	0.001852865	0.003933762
2093 Nov	0.02382417	1.86487E-05	3.889852524	10.02574825	0.09289702	0.001303296	5.720516682	0.011973015	0.004131225	6.22419E-05	0.001909895	0.000658899	0.419836491	2.04369E-06	0.000545704	0.00099478	0.001850676	0.003930465
2093 Dec	0.023826452	1.86504E-05	3.890207291	10.02666187	0.092905477	0.001303415	5.721040249	0.011974105	0.004131614	6.22476E-05	0.001910068	0.000658959	0.419874758	2.04387E-06	0.000545754	0.00099487	0.001850846	0.003930823
2094 Jan	0.023827136	1.86508E-05	3.890302181	10.02690697	0.092907757	0.001303447	5.72118187	0.011974394	0.00413172	6.22493E-05	0.001910114	0.000658975	0.41988498	2.04392E-06	0.000545767	0.00099489	0.001850891	0.003930918
2094 Feb	0.023827702	1.86512E-05	3.890379429	10.02710533	0.092909634	0.001303473	5.721297741	0.011974629	0.004131804	6.22507E-05	0.001910152	0.000658988	0.419893265	2.04396E-06	0.000545778	0.000994915	0.001850927	0.003930995
2094 Mar	0.023832722	1.86551E-05	3.891190052	10.02919388	0.092929013	0.001303744	5.722491264	0.011977124	0.004132667	6.22638E-05	0.00191055	0.000659125	0.419980794	2.04439E-06	0.000545891	0.000995122	0.001851313	0.003931813
2094 Apr	0.023846127	1.86656E-05	3.893373966	10.03482246	0.092981182	0.001304476	5.725703239	0.011983846	0.004134987	6.22989E-05	0.001911622	0.000659495	0.420216501	2.04554E-06	0.000546198	0.000995681	0.001852352	0.00393402
2094 May	0.023887191	1.86791E-05	3.895537138	10.04146481	0.093062371	0.001305325	5.725830555	0.011991972	0.004135097	6.24755E-05	0.00191296	0.000659933	0.420507729	2.04522E-06	0.000546571	0.000996529	0.001853077	0.003936745
2094 Jun	0.023960909	1.87225E-05	3.902096033	10.06238174	0.093304865	0.001308125	5.723130703	0.012018854	0.004131756	6.27924E-05	0.001917423	0.000661369	0.421435356	2.04325E-06	0.000547812	0.000999037	0.001854961	0.003945944

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.02416295	1.88993E-05	3.938058853	10.15655804	0.094184205	0.001320458	5.771080971	0.012132538	0.004165255	6.3304E-05	0.001935625	0.000667605	0.425399333	2.06017E-06	0.000553	0.001008408	0.001871554	0.003983472
2094 Aug	0.024369381	1.90725E-05	3.973628283	10.24916077	0.095046401	0.001332556	5.820343494	0.012243869	0.004200078	6.38338E-05	0.001953423	0.000673719	0.429289758	2.07762E-06	0.000558079	0.001017603	0.001888129	0.00402015
2094 Sep	0.024378125	1.91126E-05	3.980434418	10.26923084	0.095242165	0.001335364	5.822037697	0.012269869	0.004199441	6.38149E-05	0.00195767	0.000675114	0.430164784	2.07782E-06	0.000559279	0.001019607	0.001890396	0.004029045
2094 Oct	0.024303116	1.90868E-05	3.97333312	10.25361824	0.095107503	0.00133357	5.802717209	0.012253365	0.004183922	6.35607E-05	0.001955139	0.000674167	0.429548174	2.0705E-06	0.000558546	0.001018072	0.001885991	0.004024003
2094 Nov	0.024233934	1.90493E-05	3.964342117	10.23209572	0.094913915	0.001330949	5.783978462	0.012228957	0.004169988	6.33258E-05	0.0019513	0.000672797	0.428670704	2.06358E-06	0.000557449	0.001015946	0.001881094	0.004016208
2094 Dec	0.02423011	1.90473E-05	3.96385932	10.23095512	0.094903722	0.001330812	5.782921791	0.012227676	0.004169201	6.33123E-05	0.001951099	0.000672725	0.428624421	2.06318E-06	0.000557392	0.001015833	0.001880825	0.004015801
2095 Jan	0.024231004	1.90479E-05	3.96398592	10.23128033	0.09490677	0.001330854	5.783109188	0.012228063	0.00416934	6.33145E-05	0.001951161	0.000672746	0.428638071	2.06325E-06	0.000557409	0.001015866	0.001880886	0.004015928
2095 Feb	0.024231739	1.90484E-05	3.964087009	10.23154163	0.094909236	0.001330888	5.783259392	0.012228373	0.00416945	6.33165E-05	0.00195121	0.000672763	0.428649008	2.0633E-06	0.000557423	0.001015892	0.001880934	0.004016029
2095 Mar	0.024234921	1.90509E-05	3.964597464	10.23285866	0.09492147	0.001331059	5.784005165	0.012229946	0.004169988	6.33248E-05	0.001951461	0.00067285	0.428704172	2.06357E-06	0.000557495	0.001016023	0.001881176	0.004016546
2095 Apr	0.024252146	1.90644E-05	3.967409134	10.24011612	0.094988808	0.001332003	5.788107872	0.012238619	0.004172947	6.33698E-05	0.001952845	0.000673327	0.429008216	2.06503E-06	0.00055789	0.001016744	0.00188251	0.004019394
2095 May	0.024301222	1.90865E-05	3.971251726	10.2512846	0.095113054	0.001333452	5.790071011	0.012252299	0.004174194	6.35678E-05	0.001955078	0.000674068	0.42949158	2.06533E-06	0.000558518	0.001018047	0.001883959	0.004023969
2095 Jun	0.024407927	1.91544E-05	3.983779907	10.28621578	0.095471561	0.001338031	5.800454617	0.012295142	0.004180949	6.39431E-05	0.001962025	0.000676398	0.430988193	2.06834E-06	0.000560481	0.001021829	0.001889118	0.004038262
2095 Jul	0.02462068	1.93381E-05	4.021197319	10.3840847	0.096385024	0.001350841	5.850770473	0.012413162	0.004216209	6.44845E-05	0.001980913	0.000682874	0.43510589	2.0861E-06	0.000565867	0.00103156	0.001906405	0.004077205
2095 Aug	0.024634084	1.9399E-05	4.031699657	10.414814	0.096684501	0.001355087	5.854114532	0.01245287	0.00421546	6.4474E-05	0.001987398	0.00068501	0.436442822	2.08673E-06	0.000567694	0.001034617	0.001910001	0.004090768
2095 Sep	0.024658084	1.94475E-05	4.040440083	10.43953514	0.09692236	0.001358476	5.859641075	0.012484196	0.004217718	6.4501E-05	0.001992481	0.000686703	0.43750903	2.08837E-06	0.000569133	0.001037073	0.001913313	0.004101364
2095 Oct	0.024660416	1.94635E-05	4.043117523	10.44750595	0.097000323	0.001359595	5.860074043	0.012494572	0.004217237	6.44898E-05	0.001994179	0.000687259	0.43785733	2.08835E-06	0.000569613	0.001037869	0.001914176	0.004104923
2095 Nov	0.024633188	1.94502E-05	4.039748192	10.43964386	0.096930295	0.001358665	5.852359772	0.012485828	0.004211527	6.43892E-05	0.001992811	0.000686765	0.437540054	2.08548E-06	0.000569222	0.001037094	0.001912265	0.00410216
2095 Dec	0.024631897	1.94498E-05	4.039601803	10.43935394	0.096927889	0.001358639	5.851849556	0.012485548	0.004211174	6.43818E-05	0.001992768	0.000686748	0.437529206	2.08529E-06	0.000569211	0.001037065	0.001912163	0.004102078
2096 Jan	0.024632741	1.94504E-05	4.039717674	10.4396534	0.096930698	0.001358678	5.852020741	0.012485904	0.004211302	6.43839E-05	0.001992825	0.000686767	0.437541723	2.08535E-06	0.000569227	0.001037095	0.001912219	0.004102195
2096 Feb	0.024634637	1.94518E-05	4.040006638	10.44039917	0.096937679	0.001358775	5.852442265	0.012486794	0.004211607	6.43888E-05	0.001992967	0.000686816	0.437573016	2.0855E-06	0.000569267	0.00103717	0.001912355	0.004102487
2096 Mar	0.024638142	1.94545E-05	4.040569782	10.44185352	0.096951209	0.001358964	5.853259563	0.012488532	0.004212196	6.4398E-05	0.001993245	0.000686912	0.437633991	2.08579E-06	0.000569347	0.001037315	0.001912622	0.004103058
2096 Apr	0.024654591	1.94674E-05	4.043260574	10.44880772	0.097015791	0.001359869	5.857158661	0.012496849	0.004215003	6.4441E-05	0.001994572	0.000687369	0.437925428	2.08718E-06	0.000569726	0.001038006	0.001913896	0.00410579
2096 May	0.024711566	1.94967E-05	4.049169064	10.46432018	0.097169317	0.001361859	5.865150452	0.012515226	0.004221124	6.46304E-05	0.001997513	0.00068838	0.438578308	2.08988E-06	0.000570564	0.00103965	0.001916659	0.004111808
2096 Jun	0.024570642	1.93962E-05	4.023623943	10.40517521	0.096685179	0.001354405	5.805752277	0.012448802	0.004176256	6.43356E-05	0.001987253	0.000684637	0.43619296	2.06751E-06	0.000567566	0.001034387	0.001902699	0.00409071
2096 Jul	0.024686433	1.95274E-05	4.048977852	10.4736948	0.097334407	0.001363505	5.832416534	0.012533261	0.004193196	6.46004E-05	0.00200088	0.000689241	0.439105809	2.07662E-06	0.00057143	0.001041259	0.001913712	0.004118881
2096 Aug	0.024860501	1.968E-05	4.080000877	10.55498505	0.098093882	0.001374163	5.873648643	0.012631395	0.004221911	6.50419E-05	0.002016589	0.000694624	0.442528188	2.09114E-06	0.000575909	0.00104934	0.001927972	0.004151283
2096 Sep	0.024834281	1.97007E-05	4.082417488	10.56430244	0.09819188	0.001375623	5.867012501	0.012645022	0.004214837	6.49194E-05	0.002018884	0.00069533	0.442960858	2.08828E-06	0.000576549	0.001050273	0.001927931	0.004156197
2096 Oct	0.02473795	1.96536E-05	4.070783615	10.5369072	0.097946733	0.001372334	5.841258049	0.012614363	0.004195417	6.4585E-05	0.002014081	0.000693602	0.441850781	2.07871E-06	0.000575175	0.001047562	0.001921412	0.004146481
2096 Nov	0.024736008	1.9654E-05	4.070592403	10.53674316	0.097946256	0.001372361	5.839856625	0.012614416	0.004194541	6.4562E-05	0.002014097	0.000693599	0.441848963	2.07817E-06	0.000575182	0.001047548	0.001921202	0.004146537
2096 Dec	0.02473695	1.96547E-05	4.070736408	10.53711414	0.097949699	0.001372409	5.840065002	0.012614859	0.004194698	6.45643E-05	0.002014168	0.000693623	0.44186455	2.07824E-06	0.000575202	0.001047585	0.001921271	0.004146683
2097 Jan	0.024737241	1.96549E-05	4.070770264	10.53720188	0.097950526	0.001372421	5.84011507	0.012614963	0.004194737	6.4565E-05	0.002014184	0.000693629	0.441868186	2.07826E-06	0.000575207	0.001047594	0.001921287	0.004146716
2097 Feb	0.024737449	1.9655E-05	4.070790768	10.53725529	0.097951062	0.001372427	5.840147495	0.012615025	0.004194761	6.45655E-05	0.002014194	0.000693632	0.441870451	2.07827E-06	0.000575209	0.0010476	0.001921296	0.004146737
2097 Mar	0.024740582	1.96574E-05	4.071299553	10.5385704	0.097963303	0.001372599	5.840877056	0.012616599	0.004195286	6.45737E-05	0.002014445	0.000693719	0.441925585	2.07853E-06	0.000575281	0.001047731	0.001921536	0.004147253
2097 Apr	0.024761882	1.96743E-05	4.074800014	10.54763222	0.098047547	0.001373779	5.845900059	0.012627447	0.004198894	6.46293E-05	0.002016177	0.000694315	0.442305565	2.08032E-06	0.000575776	0.001048632	0.001923189	0.004150819
2097 May	0.024839887	1.97254E-05	4.085128307	10.57477856	0.09830904	0.001377301	5.859580517	0.012659952	0.00420883	6.48677E-05	0.002021383	0.0006961	0.443448901	2.08502E-06	0.000577259	0.001051422	0.001927956	0.004161516
2097 Jun	0.02487657	1.97395E-05	4.085738182	10.58002567	0.098402746	0.001378054	5.849098206	0.012667974	0.004200174	6.50753E-05	0.002022827	0.0006965	0.443716377	2.08039E-06	0.000577639	0.001052355	0.001927161	0.004164486
2097 Jul	0.025069132	1.99081E-05	4.119848728	10.66956806	0.099240549	0.001389793	5.893857479	0.012776203	0.004231445	6.55608E-05	0.002040165	0.000702434	0.447488368	2.09615E-06	0.00058258	0.001061279	0.00194284	0.004200235
2097 Aug	0.025189275	2.00276E-05	4.143577099	10.73269749	0.099834174	0.00139813	5.922252178	0.012853183	0.004250318	6.58537E-05	0.002052527	0.000706644	0.450158864	2.10599E-06	0.000586097	0.001067558	0.001953384	0.004225786
2097 Sep	0.025245177	2.00938E-05	4.156418324	10.76744461	0.100162953	0.001402765	5.935717583	0.012896009	0.004258633	6.59803E-05	0.002059426	0.000708978	0.451636344	2.11053E-06	0.000588058	0.001071016	0.001958858	0.004240082
2097 Oct	0.025216546	2.009E-05	4.154669285	10.76441193	0.100140058	0.001402502	5.928276062	0.01289357	0.00425239	6.5872E-05	0.002059092	0.000708822	0.451529711	2.10764E-06	0.000587957	0.001070719	0.00195746	0.004239488
2097 Nov	0.025195098	2.00812E-05	4.15241909	10.75926971	0.100094654	0.001401895	5.922787189	0.012887958	0.004248088	6.57989E-05	0.002058221	0.000708504	0.451323599	2.10558E-06	0.000587707	0.00107021	0.001956137	0.004237738
2097 Dec	0.025190122	2.0079E-05	4.151875019	10.75799656	0.100083292	0.001401741	5.921563148	0.012886541	0.004247124	6.5783E-05	0.002058	0.000708424	0.4512721	2.10512E-06	0.000587643	0.001070084	0.001955829	0.004237291
2098 Jan	0.02519084	2.00795E-05	4.151969433	10.7582407	0.100085594	0.001401773	5.921701431	0.012886831	0.004247229	6.57848E-05	0.002058046	0.00070844	0.451282293	2.10517E-06	0.000587656	0.001070108	0.001955873	0.004237386
2098 Feb	0.02519156	2.00799E-05	4.152065277	10.75848866	0.100087948	0.001401805	5.921840668	0.012887124	0.004247331	6.57867E-05	0.002058093	0.000708456	0.451292664	2.10522E-06	0.00058767	0.001070133	0.001955919	0.004237482
2098 Mar	0.025193725	2.00816E-05	4.152409077	10.75937939	0.10009627	0.001401921	5.922333241	0.01288819	0.004247685	6.57923E-05	0.002058263	0.000708515	0.451330066	2.10539E-06	0.000587718	0.001070222	0.001956081	0.004237833
2098 Apr	0.025207974	2.00916E-05	4.154461384	10.76472378	0.100146912	0.001402614	5.925215721	0.01289457	0.004249752	6.58291E-05	0.002059282	0.000708865	0.451554388	2.1064E-06	0.000588009	0.001070762	0.001957036	0.004239929
2098 May	0.025282603	2.01122E-05	4.157993317	10.77507305	0.100273162	0.001403905	5.927088261	0.012906819	0.004251523	6.61256E-05	0.002061279	0.000709529	0.452002466	2.10653E-06	0.000588571	0.001072092	0.001958383	0.00424397
2098 Jun	0.025155379	2.00114E-05	4.132889271	10.71717358	0.099809632	0.001396552	5.869050503	0.012841312	0.004206293	6.59649E-05	0.00205113	0.000705849	0.449665457	2.08418E-06	0.000585611	0.001066962	0.001944256	0.004223171
2098 Jul	0.025369041	2.01961E-05	4.170320511	10.81533337	0.100728318	0.001409411	5.918505192	0.012959856	0.004240942	6.65089E-05	0.002070118	0.000712349	0.453799129	2.10161E-06	0.000591022	0.001076755	0.001961506	0.004262311
2098 Aug	0.025421454	2.02822E-05	4.186290741	10.85976887	0.101153389	0.001415422	5.931143761	0.013015607	0.004247259	6.66036E-05	0.002079144	0.000715373	0.455705076	2.10561E-06	0.000593579	0.001081172	0.001967847	0.004281084
2098 Sep	0.025318302	2.02526E-05	4.177703857	10.84140587	0.100996256	0.001413367	5.905951977	0.012996784	0.004226494	6.6251E-05	0.002076284	0.000714283	0.454989135	2.09605E-06	0.000592745	0.001079342	0.001962299	0.004275442
2098 Oct	0.025219664	2.02027E-05	4.165704727	10.81280136	0.100738272	0.001409894	5.880553722	0.012964497	0.004207306	6.59175E-05	0.002071213	0.000712469	0.453824431	2.08664E-06	0.000591294	0.001076501	0.0019557	0.004265162
2098 Nov	0.025185362	2.01845E-05	4.16135788	10.80235767	0.100643761	0.001408621	5.871613026	0.012952638	0.004200637	6.58007E-05	0.002069346	0.000711804	0.453398108	2.08334E-06	0.000590761	0.001075464	0.001953341	0.004261372
2098 Dec	0.0251875	2.01861E-05	4.161701679	10.80325317	0.100652106	0.001408739	5.872088909	0.012953714	0.004200985	6.58059E-05	0.002069518	0.000711863	0.453435719	2.08351E-06	0.00059081	0.001075553	0.001953502	0.004261726
2099 Jan	0.025188301	2.01867E-05	4.161818027	10.80355453	0.100654945	0.001408778	5.872255325	0.012954073	0.004201108	6.58079E-05	0.002069575	0.000711883	0.453448355	2.08357E-06	0.000590827	0.001075583	0.001953556	0.004261844
2099 Feb	0.025189206	2.01873E-05	4.161951542	10.80390167	0.100658201	0.001408823	5.872445583	0.012954487	0.004201245	6.58103E-05	0.002069641	0.000711906	0.453462899	2.08364E-06	0.000590846	0.001075618	0.001953619	0.004261979
2099 Mar	0.025196444	2.01931E-05	4.163138866	10.80698395	0.100686945	0.001409225	5.87412262	0.012958182	0.004202446	6.58292E-05	0.002070231	0.000712109	0.453592271	2.08423E-06	0.000591014	0.001075925	0.001954177	0.004263196
2099 Apr	0.025230834	2.02183E-05	4.168315887	10.82047272	0.100814283	0.001410979	5.88132906	0.012974324	0.004207593	6.59183E-05	0.002072811	0.000712995	0.454158872	2.08675E-06	0.00059175	0.001077282	0.001956584	0.004268505
2099 May	0.025295321	2.01931E-05	4.161647797	10.80598831	0.100744426	0.001408972	5.86464119	0.012956731	0.00419555	6.62132E-05	0.002070084	0.000711998	0.453582048	2.0795E-06	0.000590954	0.001076447	0.001952518	0.004262799
2099 Jun	0.025257371	2.01883E-05	4.158061981	10.80113792	0.100735135	0.001408512	5.845423698	0.012953789	0.004178721	6.61684E-05	0.002069813	0.000711784	0.453436136	2.07173E-06	0.000590837	0.001076226	0.001949325	0.004262364
2099 Jul	0.025442332	2.03547E-05	4.191497803	10.88933468	0.101562902	0.001420098	5.887925625	0.013060695	0.004208048	6.66335E-05	0.002086956	0.000717639	0.457156986	2.08661E-06	0.00059572	0.001085029	0.001964536	0.004297732
2099 Aug	0.025602058	2.05136E-05	4.22299099	10.97320652	0.102352589	0.001431187	5.92533493	0.013163004	0.004232863	6.70227E-05	0.002103387	0.000723234	0.460706323	2.09954E-06	0.000600396	0.001093379	0.001978496	0.004331696
2099 Sep	0.025548257	2.05109E-05	4.220668316	10.97001839	0.10233283	0.00143101	5.912576675	0.013161525	0.004221533	6.68264E-05	0.002103258	0.000723113	0.460612237	2.09456E-06	0.000600345	0.001093054	0.001976302	0.004331613
2099 Oct	0.025485821	2.04852E-05	4.214096546	10.9548912	0.102198161	0.001429223	5.896887779	0.013144938	0.004209304	6.66116E-05	0.002100677	0.000722172	0.46000427	2.08869E-06	0.000599604	0.001091549	0.001972477	0.004326423
2099 Nov	0.025444094	2.04629E-05	4.208900928	10.94232368	0.102083974	0.001427675	5.886498451	0.013130604	0.004201455	6.64758E-05	0.002098419	0.00072137	0.459489673	2.08486E-06	0.000598958	0.001090298	0.001969687	0.004321833
2099 Dec	0.025446253	2.04646E-05	4.209242344	10.94320965	0.102092236	0.001427791	5.886978626	0.013131667	0.004201807	6.64812E-05	0.002098589	0.000721429	0.459526867	2.08503E-06	0.000599006	0.001090386	0.001969848	0.004322182
2100 Jan	0.025446588	2.04648E-05	4.209281921	10.94331264	0.10209322	0.001427805	5.887036324	0.013131787	0.004201851	6.6482E-05	0.002098608	0.000721435	0.459531188	2.08505E-06	0.000599012	0.001090396	0.001969866	0.004322222
2100 Feb	0.025446992	2.0465E-05	4.20933342	10.94344616	0.102094501	0.001427822	5.887110233	0.013131946	0.004201905	6.64831E-05	0.002098633	0.000721444	0.459536791	2.08508E-06	0.000599019	0.00109041	0.00196989	0.004322274
2100 Mar	0.025448583	2.04663E-05	4.209588051	10.94410801	0.1021007	0.001427908	5.887467861	0.013132744	0.004202161	6.64872E-05	0.00209876	0.000721488	0.459564596	2.0852E-06	0.000599055	0.001090476	0.001970009	0.004322535
2100 Apr	0.025472898	2.04858E-05	4.213605404	10.9545536	0.102198146	0.001429271	5.89308691	0.013145273	0.004206172	6.65508E-05	0.002100763	0.000722176	0.460003197	2.08719E-06	0.000599627	0.001091517	0.00197189	0.00432666
2100 May	0.025559267	2.05157E-05	4.219260693	10.96998405	0.102366976	0.001431215	5.899208546	0.013163419	0.004211353	6.68815E-05	0.002103688	0.00072317	0.460659415	2.08897E-06	0.000600456	0.001093321	0.001974408	0.004332596
2100 Jun	0.025434017	2.04148E-05	4.194804192	10.91248798	0.101894349	0.001423875	5.845933437	0.013097745	0.004170441	6.66939E-05	0.002093465	0.000719494	0.458323598	2.06867E-06	0.000597484	0.001088143	0.001961072	0.004311602
2100 Jul	0.025483131	2.04978E-05	4.21008873	10.95519924	0.102304436	0.00142963	5.857384682	0.013151499	0.004176041	6.67858E-05	0.002102197	0.000722406	0.460157156	2.07231E-06	0.000599948	0.00109244	0.0019672	0.004329722
2100 Aug	0.025480645	2.05457E-05	4.217923164	10.97890377	0.102537535	0.001432969	5.857217789	0.013182735	0.004172897	6.6728E-05	0.002107322	0.000724078	0.461198598	2.07172E-06	0.000601389	0.001094787	0.001969573	0.004340485
2100 Sep	0.025483502	2.05781E-05	4.223297119	10.99491215	0.102694064	0.001435226	5.857896328	0.013203644	0.004171679	6.66973E-05	0.002110741	0.000725198	0.461899519	2.07163E-06	0.000602354	0.001096373	0.001971293	0.004347658
2100 Oct	0.025487568	2.05954E-05	4.226267815	11.00362873	0.10277874	0.001436444	5.858791828	0.013214906	0.00417155	6.66896E-05	0.002112579	0.000725803	0.462278932	2.07178E-06	0.000602874	0.001097242	0.001972298	0.004351507
2100 Nov	0.025493979	2.0603E-05	4.227715015	11.00757122	0.102816142	0.001436974	5.860219002	0.013219782	0.004172446	6.67025E-05	0.002113365	0.000726068	0.462446958	2.07226E-06	0.000603098	0.001097635	0.001972906	0.004353137
2100 Dec	0.025497423	2.06057E-05	4.228279591	11.00904083	0.102829874	0.001437166	5.860999107	0.013221548	0.004173006	6.67113E-05	0.002113647	0.000726165	0.462508738	2.07253E-06	0.000603178	0.001097781	0.001973169	0.004353719
2101 Jan	0.025498293	2.06064E-05	4.228411198	11.00938416	0.102833085	0.001437211	5.86118412	0.013221959	0.004173141	6.67136E-05	0.002113713	0.000726188	0.462523133	2.0726E-06	0.000603197	0.001097816	0.001973231	0.004353853
2101 Feb	0.025498664	2.06066E-05	4.228460789	11.00951385	0.102834314	0.001437227	5.861254215	0.013222111	0.004173192	6.67145E-05	0.002113737	0.000726196	0.462528527	2.07262E-06	0.000603204	0.001097829	0.001973254	0.004353904
2101 Mar	0.025499942	2.06076E-05	4.228665829	11.01004791	0.102839321	0.001437297	5.861539841	0.013222752	0.004173396	6.67179E-05	0.00211384	0.000726231	0.462550998	2.07272E-06	0.000603233	0.001097882	0.00197335	0.004354115
2101 Apr	0.025514474	2.06193E-05	4.231069088	11.01630878	0.102897853	0.001438114	5.864861488	0.013230272	0.004175758	6.67559E-05	0.002115042	0.000726644	0.462814033	2.0739E-06	0.000603576	0.001098507	0.00197447	0.004356591
2101 May	0.025589982	2.06438E-05	4.235592842	11.02883816	0.103038639	0.001439688	5.869245529	0.013245018	0.004179563	6.70516E-05	0.002117425	0.000727451	0.463349015	2.07506E-06	0.000604251	0.001100008	0.001976433	0.004361421

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.025541842	2.06077E-05	4.225544453	11.007061	0.102880031	0.001436965	5.841586113	0.013221289	0.004157596	6.70234E-05	0.002113827	0.000726099	0.462490469	2.06424E-06	0.000603185	0.001098216	0.001970356	0.004354064
2101 Jul	0.025739443	2.07814E-05	4.260576725	11.09928322	0.103745677	0.001449065	5.886775017	0.013332883	0.004188935	6.7529E-05	0.002131715	0.000732214	0.46637845	2.08008E-06	0.00060828	0.001107431	0.001986364	0.004390953
2101 Aug	0.025914008	2.09412E-05	4.292663097	11.18405914	0.104542181	0.001460214	5.927192688	0.013435708	0.004216489	6.79728E-05	0.002148204	0.000737845	0.469956517	2.09416E-06	0.000612976	0.001115884	0.002000859	0.004424992
2101 Sep	0.025889281	2.09585E-05	4.294619083	11.19172096	0.104622349	0.001461433	5.921321869	0.013447036	0.004210299	6.78551E-05	0.002150111	0.000738432	0.4703142 94	2.09167E-06	0.000613509	0.001116637	0.00200077	0.004429088
2101 Oct	0.025876118	2.09637E-05	4.294955254	11.19377995	0.104645342	0.00146181	5.917869568	0.013450462	0.004207095	6.77921E-05	0.002150703	0.000738603	0.470417023	2.09025E-06	0.000613674	0.001116842	0.00200047	0.004430382
2101 Nov	0.025819574	2.09314E-05	4.287551403	11.17563534	0.104479209	0.001459562	5.903825283	0.013429576	0.004196682	6.76063E-05	0.002147401	0.000737438	0.469670802	2.08511E-06	0.000612731	0.001115031	0.001996583	0.004423656
2101 Dec	0.025817575	2.09297E-05	4.287131786	11.17459965	0.104469642	0.001459439	5.903035164	0.013428373	0.004196219	6.75951E-05	0.002147209	0.00073737	0.469628274	2.08483E-06	0.000612677	0.001114927	0.001996367	0.004423265
2102 Jan	0.025817905	2.09299E-05	4.287163734	11.17468262	0.104470447	0.00145945	5.903082848	0.013428471	0.004196258	6.75959E-05	0.002147224	0.000737375	0.469631821	2.08485E-06	0.000612682	0.001114936	0.001996382	0.004423297
2102 Feb	0.025818685	2.09304E-05	4.2872715	11.174963	0.104473114	0.001459487	5.903234005	0.013428804	0.004196367	6.75979E-05	0.002147278	0.000737394	0.469643533	2.0849E-06	0.000612697	0.001114964	0.001996432	0.004423406
2102 Mar	0.025820896	2.09321E-05	4.287626743	11.17588902	0.104481801	0.001459608	5.90372467	0.013429916	0.004196717	6.76037E-05	0.002147455	0.000737455	0.469682485	2.08507E-06	0.000612748	0.001115057	0.001996598	0.004423772
2102 Apr	0.025832025	2.09411E-05	4.289467812	11.1806879	0.104526676	0.001460234	5.90626049	0.013435682	0.00419852	6.76328E-05	0.002148377	0.000737771	0.469884127	2.08597E-06	0.000613011	0.001115536	0.001997455	0.004425672
2102 May	0.025885599	2.09847E-05	4.298396111	11.20397568	0.104744472	0.001463276	5.918502808	0.013463679	0.004207206	6.77731E-05	0.002152855	0.000739309	0.470863044	2.09029E-06	0.000614288	0.00111786	0.002001607	0.004434896
2102 Jun	0.02575315	2.09166E-05	4.28105545	11.16283989	0.104380347	0.001458155	5.879792213	0.013417945	0.004179369	6.73125E-05	0.002145804	0.000736728	0.469196171	2.07653E-06	0.000612224	0.001114034	0.00199285	0.004420324
2102 Jul	0.025778992	2.09799E-05	4.291581631	11.19369602	0.104683526	0.001462399	5.882322788	0.013458037	0.004179523	6.73079E-05	0.002152404	0.000738877	0.470542043	2.07714E-06	0.000614069	0.001117242	0.001996861	0.004433985
2102 Aug	0.025891822	2.10994E-05	4.314957142	11.25644493	0.10527648	0.001470728	5.908444881	0.013534967	0.004196395	6.75755E-05	0.002164778	0.000743077	0.473204166	2.08607E-06	0.000617588	0.001123494	0.002007042	0.004459589
2102 Sep	0.025918698	2.11466E-05	4.323593616	11.28065872	0.105508544	0.00147403	5.914670944	0.013565471	0.004199385	6.7614E-05	0.002169721	0.000744729	0.47424525	2.08799E-06	0.00061899	0.001125902	0.002010399	0.004469882
2102 Oct	0.025801549	2.10864E-05	4.309676647	11.2469511	0.105201498	0.001469861	5.887022495	0.013527033	0.004178069	6.72458E-05	0.002163667	0.000742581	0.472863853	2.0778E-06	0.000617254	0.001122534	0.002002917	0.00445758
2102 Nov	0.025809392	2.10938E-05	4.31111002	11.25078583	0.105237626	0.001470373	5.888666153	0.013531717	0.004179224	6.72624E-05	0.00216442	0.000742836	0.473026395	2.07836E-06	0.000617469	0.001122916	0.002003548	0.004459136
2102 Dec	0.025811583	2.10955E-05	4.31146574	11.2517128	0.105246298	0.001470495	5.889153481	0.013532832	0.004179576	6.72679E-05	0.002164598	0.000742897	0.473065376	2.07853E-06	0.00061752	0.001123009	0.002003714	0.004459503
2103 Jan	0.025812194	2.1096E-05	4.311554909	11.25194645	0.105248496	0.001470525	5.889277935	0.013533111	0.004179668	6.72694E-05	0.002164642	0.000742913	0.473075181	2.07858E-06	0.000617533	0.001123033	0.002003755	0.004459594
2103 Feb	0.025813635	2.10971E-05	4.311783791	11.2525425	0.105254099	0.001470603	5.889591217	0.013533826	0.004179891	6.72732E-05	0.002164757	0.000742952	0.473100215	2.07869E-06	0.000617565	0.001123092	0.002003862	0.00445983
2103 Mar	0.025816685	2.10996E-05	4.312286377	11.2538538	0.105266377	0.001470774	5.890279293	0.013535403	0.00418038	6.72811E-05	0.002165009	0.000743039	0.473155379	2.07893E-06	0.000617637	0.001123223	0.002004095	0.004460349
2103 Apr	0.025832193	2.11122E-05	4.314872742	11.26060486	0.105329536	0.001471656	5.893812656	0.013543522	0.004182888	6.73215E-05	0.002166308	0.000743484	0.473439187	2.08018E-06	0.000618008	0.001123897	0.002005297	0.004463024
2103 May	0.025915811	2.11465E-05	4.321573257	11.27851582	0.105516084	0.001473933	5.90204668	0.013564649	0.004189522	6.76238E-05	0.0021697	0.000744644	0.474196762	2.0828E-06	0.000618972	0.001125894	0.002008368	0.004469935
2103 Jun	0.025818001	2.10491E-05	4.298388004	11.22336864	0.105063602	0.001466827	5.853763103	0.01350092	0.004153179	6.75287E-05	0.002159745	0.000741087	0.471946687	2.0644E-06	0.000616084	0.001120965	0.00199599	0.004449431
2103 Jul	0.025901113	2.11571E-05	4.318753242	11.27927876	0.105597004	0.001474307	5.87231493	0.0135705	0.004164055	6.77051E-05	0.002171002	0.000744869	0.474334776	2.07057E-06	0.000619271	0.001126574	0.002004504	0.004472752
2103 Aug	0.025944863	2.12303E-05	4.331873417	11.31632233	0.105953321	0.001479349	5.880789757	0.013617416	0.004168023	6.77624E-05	0.002178615	0.000747405	0.475931406	2.07318E-06	0.000621426	0.001130251	0.002009552	0.004488603
2103 Sep	0.025913533	2.12412E-05	4.332568645	11.32064629	0.10600169	0.001480131	5.873426437	0.013624665	0.004160892	6.76266E-05	0.002179868	0.000747768	0.476147532	2.07016E-06	0.000621773	0.001130673	0.002008893	0.004491349
2103 Oct	0.025803164	2.11801E-05	4.318486214	11.28626251	0.105686799	0.00147589	5.846286297	0.013585206	0.004140679	6.72598E-05	0.002173634	0.000745564	0.474735349	2.06021E-06	0.000619993	0.001127233	0.002001436	0.004478666
2103 Nov	0.025778979	2.11667E-05	4.315347672	11.2786417	0.105617084	0.00147496	5.840085983	0.013576493	0.004136142	6.71747E-05	0.002172258	0.000745077	0.47442311	2.05794E-06	0.000619601	0.001126471	0.00199976	0.00447587
2103 Dec	0.025780383	2.11678E-05	4.315572739	11.27923012	0.10562259	0.001475037	5.840388298	0.013577201	0.004136363	6.71781E-05	0.002172371	0.000745116	0.474447876	2.05804E-06	0.000619634	0.001126529	0.001999865	0.004476103
2104 Jan	0.025780696	2.1168E-05	4.315609455	11.27932453	0.105623506	0.00147505	5.840440273	0.013577314	0.004136403	6.71788E-05	0.002172389	0.000745122	0.4744519	2.05806E-06	0.000619639	0.001126539	0.001999882	0.00447614
2104 Feb	0.025781298	2.11684E-05	4.315694332	11.27954674	0.105625615	0.001475078	5.840557098	0.01357758	0.004136487	6.71804E-05	0.002172431	0.000745136	0.474461198	2.0581E-06	0.000619651	0.001126562	0.001999921	0.004476227
2104 Mar	0.025784543	2.1171E-05	4.316229343	11.28094482	0.10563872	0.001475261	5.841282368	0.013579261	0.004137001	6.71888E-05	0.002172701	0.000745229	0.474519998	2.05836E-06	0.000619728	0.001126701	0.002000169	0.004476781
2104 Apr	0.025809003	2.11911E-05	4.320319176	11.29163456	0.105738834	0.001476659	5.84681797	0.013592129	0.004140922	6.72525E-05	0.00217476	0.000745935	0.474969655	2.06031E-06	0.000620315	0.001127769	0.002002064	0.004481024
2104 May	0.025902232	2.12213E-05	4.325920105	11.30710316	0.105912201	0.001478601	5.852383614	0.013610313	0.004145761	6.76177E-05	0.002177697	0.00074693	0.475629598	2.06181E-06	0.000621146	0.001129619	0.002004512	0.004486975
2104 Jun	0.02578721	2.11365E-05	4.30552721	11.25913811	0.105515055	0.00147248	5.80809021	0.013555592	0.004111202	6.74314E-05	0.002169176	0.000743868	0.473679841	2.04492E-06	0.000618668	0.001125255	0.00199333	0.004469506
2104 Jul	0.025921036	2.12738E-05	4.332373619	11.33117294	0.106196642	0.001482016	5.838171482	0.013643875	0.004130909	6.7754E-05	0.002183388	0.000748687	0.476735055	2.05525E-06	0.000622705	0.001132468	0.002005121	0.004498877
2104 Aug	0.026012579	2.13808E-05	4.352978706	11.38707161	0.106727116	0.001489473	5.85925293	0.013712873	0.004143886	6.79617E-05	0.002194508	0.000752447	0.479114294	2.06234E-06	0.000625864	0.001138038	0.002013872	0.00452192
2104 Sep	0.025965914	2.13806E-05	4.351407528	11.38546658	0.106719956	0.001489479	5.848752499	0.013713026	0.004134381	6.77865E-05	0.002194626	0.00075242	0.47908169	2.05823E-06	0.000625886	0.001137858	0.002012158	0.004522328
2104 Oct	0.025890401	2.13419E-05	4.342285633	11.36347389	0.106519133	0.001486799	5.830235004	0.013688037	0.00412047	6.75285E-05	0.002190688	0.00075102	0.478182584	2.05141E-06	0.000624762	0.001135653	0.002007217	0.004514341
2104 Nov	0.025876341	2.13349E-05	4.340549469	11.35934639	0.106481567	0.001486308	5.826507092	0.013683394	0.004117756	6.74749E-05	0.002189958	0.000750759	0.478014886	2.05004E-06	0.000624554	0.00113524	0.002006256	0.004512863
2104 Dec	0.025878124	2.13363E-05	4.340837479	11.36009979	0.106488615	0.001486407	5.826896191	0.013684299	0.004118037	6.74794E-05	0.002190102	0.000750809	0.478046566	2.05018E-06	0.000624595	0.001135315	0.00200639	0.004513161
2105 Jan	0.025878306	2.13364E-05	4.340855122	11.36014462	0.106489062	0.001486413	5.826920986	0.013684352	0.004118058	6.74798E-05	0.002190111	0.000750811	0.478048474	2.05019E-06	0.000624598	0.001135319	0.002006398	0.004513179
2105 Feb	0.025878968	2.13369E-05	4.340953827	11.36040115	0.106491499	0.001486446	5.827055454	0.013684661	0.004118154	6.74815E-05	0.00219016	0.000750828	0.478059292	2.05023E-06	0.000624612	0.001135346	0.002006443	0.00451328
2105 Mar	0.025880137	2.13378E-05	4.341142654	11.36089706	0.106496155	0.001486511	5.827310085	0.013685257	0.004118335	6.74846E-05	0.002190256	0.000750861	0.478080124	2.05032E-06	0.000624639	0.001135395	0.002006531	0.004513477
2105 Apr	0.025893614	2.13489E-05	4.343399525	11.36680222	0.106551521	0.001487284	5.830339432	0.013692369	0.004120476	6.75197E-05	0.002191394	0.000751251	0.478328615	2.05139E-06	0.000624964	0.001135985	0.002007574	0.004515823
2105 May	0.025962362	2.13742E-05	4.347985744	11.3797245	0.106695727	0.001488927	5.834042549	0.013707821	0.004123451	6.77923E-05	0.002193901	0.000752094	0.478883028	2.05228E-06	0.000625671	0.001137513	0.002009469	0.004520927
2105 Jun	0.02599817	2.13934E-05	4.350254059	11.38842678	0.106810838	0.00149011	5.82861805	0.013719575	0.004118383	6.79787E-05	0.002195901	0.00075271	0.479283988	2.04962E-06	0.000626217	0.001138681	0.002009658	0.004525057
2105 Jul	0.026135011	2.15335E-05	4.377686977	11.46202564	0.107507072	0.001499853	5.859451771	0.013809743	0.004138516	6.83106E-05	0.002210409	0.000757633	0.482405126	2.06019E-06	0.00063034	0.001146037	0.002021672	0.004555054
2105 Aug	0.026102966	2.1565E-05	4.381871223	11.47665691	0.107656166	0.00150204	5.852764606	0.013830478	0.004130343	6.8164E-05	0.002213872	0.000758721	0.483071417	2.05724E-06	0.000631304	0.001147465	0.00202217	0.004562425
2105 Sep	0.02599993	2.15275E-05	4.372198582	11.45454597	0.107458517	0.001499446	5.828999996	0.013806514	0.004111197	6.78139E-05	0.00221015	0.00075736	0.482186317	2.04837E-06	0.000630232	0.001145226	0.002016442	0.004554973
2105 Oct	0.025915002	2.14834E-05	4.361959457	11.42970276	0.107231028	0.001496393	5.808751583	0.013778163	0.00409588	6.75323E-05	0.002205679	0.000755775	0.481168061	2.04092E-06	0.000628954	0.001142733	0.002010951	0.004545892
2105 Nov	0.025885178	2.14659E-05	4.357981205	11.41989422	0.107140668	0.001495179	5.801381588	0.013766831	0.004090499	6.74313E-05	0.002203884	0.000755144	0.480763972	2.03824E-06	0.000628442	0.00114175	0.00200888	0.004542234
2105 Dec	0.025886033	2.14665E-05	4.358109474	11.42022991	0.107143812	0.001495224	5.801555634	0.013767235	0.00409063	6.74332E-05	0.002203949	0.000755166	0.480778098	2.0383E-06	0.000628461	0.001141784	0.00200894	0.004542367
2106 Jan	0.02588628	2.14667E-05	4.358134747	11.42029667	0.10714446	0.001495232	5.801591873	0.013767313	0.00409066	6.74338E-05	0.002203961	0.00075517	0.48078087	2.03831E-06	0.000628464	0.001141791	0.002008952	0.004542392
2106 Feb	0.025886601	2.14668E-05	4.358172894	11.4203968	0.107145421	0.001495245	5.801645279	0.013767431	0.004090698	6.74346E-05	0.00220398	0.000755177	0.480785102	2.03833E-06	0.00062847	0.001141801	0.002008969	0.004542431
2106 Mar	0.02588824	2.14682E-05	4.358440399	11.42109776	0.107152015	0.001495337	5.80200243	0.013768275	0.004090951	6.74389E-05	0.002204115	0.000755223	0.480814576	2.03846E-06	0.000628508	0.001141871	0.002009092	0.00454271
2106 Apr	0.025905993	2.14829E-05	4.361424446	11.42891693	0.107225388	0.00149636	5.80597496	0.0137777	0.004093753	6.74852E-05	0.002205624	0.00075574	0.481143743	2.03985E-06	0.000628939	0.001142653	0.002010468	0.004545819
2106 May	0.025977999	2.15284E-05	4.370554447	11.4530077	0.107459113	0.001499488	5.817779541	0.013806567	0.004102398	6.77073E-05	0.00221025	0.000757324	0.482159674	2.04388E-06	0.000630257	0.001145147	0.002014661	0.004555322
2106 Jun	0.025887283	2.14407E-05	4.349757671	11.40309906	0.107042916	0.001493053	5.775488853	0.013748825	0.004071224	6.75783E-05	0.002201228	0.000754103	0.480118781	2.028E-06	0.000627638	0.001140663	0.00200385	0.004536693
2106 Jul	0.026022393	2.15902E-05	4.378474712	11.48091221	0.107782453	0.0015034	5.805025578	0.01384483	0.00409006	6.78872E-05	0.002216722	0.000759333	0.4834297	2.03805E-06	0.000632032	0.001148482	0.002016261	0.004568728
2106 Aug	0.026032427	2.16491E-05	4.388388634	11.51019573	0.108067796	0.00150748	5.807125568	0.013882935	0.004088618	6.78507E-05	0.002222949	0.000761378	0.48470822	2.03828E-06	0.000633787	0.001151375	0.002019554	0.004581773
2106 Sep	0.025962804	2.16346E-05	4.38360548	11.50051022	0.107985429	0.00150648	5.791110039	0.013873657	0.004075156	6.75959E-05	0.002221564	0.000760828	0.484341323	2.03219E-06	0.000633382	0.001150374	0.002016224	0.004579112
2106 Oct	0.025947636	2.16353E-05	4.383116245	11.50022984	0.107985534	0.001506545	5.78712225	0.013874126	0.004071824	6.75253E-05	0.002221673	0.000760839	0.48434341	2.03063E-06	0.000633412	0.001150341	0.002015609	0.004579405
2106 Nov	0.025957817	2.1644E-05	4.384852409	11.50479984	0.108028479	0.001507146	5.78937006	0.013879649	0.004073405	6.75511E-05	0.002222558	0.000761142	0.484536082	2.03141E-06	0.000633664	0.001150798	0.002016403	0.00458123
2106 Dec	0.025959224	2.16451E-05	4.385082722	11.50540161	0.108034134	0.001507225	5.789674759	0.013880375	0.004073624	6.75547E-05	0.002222674	0.000761181	0.484561443	2.03152E-06	0.000633697	0.001150858	0.002016509	0.004581469
2107 Jan	0.025959538	2.16453E-05	4.385126114	11.50551605	0.108035214	0.00150724	5.789733887	0.013880513	0.004073668	6.75555E-05	0.002222696	0.000761189	0.484566271	2.03154E-06	0.000633703	0.00115087	0.002016529	0.004581515
2107 Feb	0.025960686	2.16462E-05	4.38531065	11.50600052	0.108039781	0.001507303	5.789979458	0.013881096	0.004073841	6.75584E-05	0.002222789	0.000761221	0.484586656	2.03163E-06	0.00063373	0.001150919	0.002016614	0.004581707
2107 Mar	0.025964506	2.16494E-05	4.385951042	11.50768089	0.108055569	0.001507523	5.79082489	0.013883121	0.004074437	6.75684E-05	0.002223113	0.000761332	0.484657377	2.03192E-06	0.000633823	0.001151087	0.002016908	0.004582375
2107 Apr	0.025973389	2.16568E-05	4.387448788	11.51161098	0.108092479	0.001508038	5.792803288	0.013887863	0.004075828	6.75915E-05	0.002223873	0.000761592	0.484822899	2.03262E-06	0.000634039	0.00115148	0.002017597	0.00458394
2107 May	0.0260075	2.16709E-05	4.389916897	11.51877117	0.108173028	0.00150896	5.794136524	0.013896583	0.004076733	6.77311E-05	0.002225295	0.000762065	0.485132575	2.03282E-06	0.000634439	0.001152326	0.002018536	0.00458685
2107 Jun	0.026033696	2.16711E-05	4.388158798	11.51712227	0.108197622	0.001508769	5.782788754	0.013895792	0.004067816	6.79166E-05	0.002225298	0.000761992	0.485100299	2.028E-06	0.000634413	0.001152538	0.002016869	0.00458683
2107 Jul	0.02613407	2.17865E-05	4.410266876	11.57720757	0.108768843	0.001516772	5.805033207	0.01397004	0.00408162	6.81449E-05	0.002237278	0.000766035	0.487658679	2.0355E-06	0.000637811	0.001158549	0.002026285	0.004611634
2107 Aug	0.026269117	2.19192E-05	4.436391354	11.64704037	0.10942883	0.001526009	5.83523941	0.014055368	0.004101646	6.84763E-05	0.002250993	0.000770697	0.490617186	2.04589E-06	0.000641713	0.001165524	0.002037799	0.004639984
2107 Sep	0.026305711	2.1974E-05	4.446570396	11.67531395	0.109698921	0.001529846	5.843500614	0.014090763	0.004106148	6.85385E-05	0.002256719	0.000772617	0.491829127	2.04851E-06	0.000643338	0.001168342	0.002041862	0.004651891
2107 Oct	0.026260009	2.19549E-05	4.441848755	11.66427231	0.109598853	0.001528531	5.832798004	0.014078534	0.004097802	6.83805E-05	0.002254808	0.000771926	0.491382599	2.04453E-06	0.000642791	0.001167229	0.002039165	0.004648042
2107 Nov	0.02624228	2.19454E-05	4.439640999	11.65889645	0.10954944	0.001527873	5.828481197	0.014072384	0.004094605	6.83191E-05	0.002253836	0.000771582	0.491162121	2.04295E-06	0.000642514	0.001166688	0.002037987	0.004646068
2107 Dec	0.026243623	2.19465E-05	4.439857483	11.65946388	0.10955476	0.001527948	5.828767776	0.014073068	0.004094813	6.83224E-05	0.002253946	0.00077162	0.491185993	2.04305E-06	0.000642545	0.001166745	0.002038087	0.004646294
2108 Jan	0.026244225	2.19469E-05	4.439945698	11.65969563	0.109556951	0.001527978	5.828885555	0.014073347	0.004094899	6.83239E-05	0.00225399	0.000771635	0.491195768	2.04309E-06	0.000642558	0.001166768	0.002038128	0.004646386
2108 Feb	0.026244722	2.19472E-05	4.440017223	11.65988255	0.109558739	0.001528002	5.828980923	0.01407357	0.004094966	6.83252E-05	0.002254026	0.000771647	0.491203636	2.04313E-06	0.000642568	0.001166787	0.002038161	0.00464646
2108 Mar	0.026249088	2.19509E-05	4.440748215	11.66180325	0.109576799	0.001528254	5.82994175	0.014075888	0.004095642	6.83366E-05	0.002254397	0.000771774	0.491284519	2.04346E-06	0.000642674	0.00116698	0.002038496	0.004647225
2108 Apr	0.02628356	2.19797E-05	4.446573257	11.67710781	0.109720692	0.001530259	5.83756876	0.014094363	0.004100993	6.84263E-05	0.002257356	0.000772787	0.491929352	2.04613E-06	0.000643517	0.001168512	0.002041167	0.004653324

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.026359642	2.20417E-05	4.459076881	11.71004391	0.110031933	0.001534574	5.853712559	0.014134131	0.00411229	6.86274E-05	0.002263729	0.000774967	0.493317962	2.05175E-06	0.000645333	0.001171823	0.002046871	0.004666461
2108 Jun	0.026354736	2.20366E-05	4.455969334	11.7045393	0.110005789	0.001533944	5.84049511	0.014129279	0.004103054	6.86186E-05	0.002263109	0.000774662	0.493124187	2.0468E-06	0.000645124	0.001171576	0.002044977	0.004665108
2108 Jul	0.026544144	2.22147E-05	4.49110651	11.79816818	0.110890701	0.001546297	5.881958485	0.014243475	0.004131224	6.90865E-05	0.00228147	0.000780904	0.497087359	2.06118E-06	0.000650344	0.001180979	0.002060707	0.004702997
2108 Aug	0.026742639	2.23983E-05	4.527641773	11.89517307	0.111805573	0.001559084	5.926403522	0.014361459	0.004161359	6.95875E-05	0.002300407	0.000787359	0.501188219	2.07657E-06	0.000655735	0.001190678	0.002077064	0.004742103
2108 Sep	0.026766693	2.24443E-05	4.536055565	11.91882801	0.112032451	0.001562307	5.932293892	0.014391299	0.004163983	6.96226E-05	0.002305248	0.000788974	0.50220561	2.07836E-06	0.000657106	0.001193032	0.002080306	0.004752185
2108 Oct	0.026633155	2.23652E-05	4.518510818	11.87515545	0.111628324	0.001556832	5.901267052	0.014340524	0.004140929	6.91981E-05	0.002297195	0.000786154	0.500399172	2.06708E-06	0.000654808	0.001188645	0.002071313	0.004735751
2108 Nov	0.02662429	2.23614E-05	4.517494202	11.87280846	0.111607052	0.001556565	5.898838997	0.014337948	0.004139178	6.91606E-05	0.002296791	0.000786007	0.500305057	2.06618E-06	0.000654694	0.001188408	0.002070722	0.004734942
2108 Dec	0.026626121	2.23629E-05	4.517794132	11.87359524	0.111614443	0.001556668	5.899232388	0.014338897	0.004139461	6.91652E-05	0.002296943	0.000786059	0.500338137	2.06632E-06	0.000654737	0.001188487	0.00207086	0.004735256
2109 Jan	0.026626538	2.23632E-05	4.517851353	11.87374592	0.111615874	0.001556688	5.899309158	0.014339077	0.004139517	6.91662E-05	0.002296972	0.000786069	0.500344515	2.06635E-06	0.000654746	0.001188502	0.002070886	0.004735315
2109 Feb	0.026627475	2.23639E-05	4.517997265	11.8741293	0.111619495	0.001556738	5.899500847	0.014339537	0.004139653	6.91686E-05	0.002297046	0.000786094	0.500360608	2.06641E-06	0.000654767	0.001188541	0.002070953	0.004735467
2109 Mar	0.0266323	2.23679E-05	4.518808842	11.87626171	0.111639567	0.001557018	5.90056181	0.014342113	0.004140398	6.91811E-05	0.002297458	0.000786235	0.500450492	2.06679E-06	0.000654884	0.001188754	0.002071325	0.004736317
2109 Apr	0.026655834	2.23876E-05	4.522797108	11.8867445	0.111738116	0.001558392	5.905768871	0.014354771	0.004144052	6.92423E-05	0.002299486	0.000786929	0.500892222	2.06861E-06	0.000655462	0.001189804	0.002073153	0.004740498
2109 May	0.02672079	2.24187E-05	4.528510094	11.90272045	0.111908376	0.001560456	5.910568237	0.014374116	0.004147453	6.94896E-05	0.002302621	0.000787983	0.501576662	2.0699E-06	0.000656348	0.001191601	0.002075505	0.004746921
2109 Jun	0.026812382	2.24689E-05	4.537211895	11.92799377	0.112182364	0.001563767	5.914768219	0.014405416	0.004149798	6.98463E-05	0.002307737	0.000789677	0.502671182	2.07062E-06	0.000657785	0.001194478	0.002078803	0.004757429
2109 Jul	0.026903231	2.25814E-05	4.558532715	11.98636818	0.112738743	0.001571569	5.934790611	0.014477897	0.004161735	7.0044E-05	0.002319448	0.000793618	0.505162358	2.07728E-06	0.000661104	0.001200316	0.002087722	0.0047817
2109 Aug	0.027009955	2.26959E-05	4.580540657	12.04594707	0.113304332	0.001579502	5.957679272	0.014551321	0.004176416	7.02852E-05	0.002331277	0.000797619	0.507696867	2.08506E-06	0.000664465	0.001206259	0.002097155	0.004806191
2109 Sep	0.026973803	2.27045E-05	4.580873966	12.04924202	0.113342084	0.001580139	5.950103283	0.014557302	0.004168977	7.01396E-05	0.002332325	0.000797914	0.507868409	2.08198E-06	0.000664753	0.001206567	0.002096347	0.004808515
2109 Oct	0.026823338	2.26131E-05	4.560672283	11.99875164	0.112873778	0.001573802	5.915020466	0.014498434	0.004143168	6.9657E-05	0.002322979	0.000794646	0.50577724	2.06926E-06	0.000662088	0.001201492	0.002086071	0.00478943
2109 Nov	0.026824949	2.26161E-05	4.56114769	12.00017166	0.112887517	0.001574012	5.915061474	0.014500284	0.004143207	6.96524E-05	0.002323279	0.000794745	0.505839646	2.06925E-06	0.000662175	0.001201633	0.002086224	0.004790061
2109 Dec	0.026827225	2.26179E-05	4.561524868	12.00116253	0.112896837	0.001574142	5.915552139	0.01450148	0.004143557	6.96582E-05	0.002323471	0.00079481	0.505881429	2.06942E-06	0.000662229	0.001201732	0.002086397	0.004790456
2110 Jan	0.026828216	2.26187E-05	4.561681271	12.00157356	0.112900719	0.001574196	5.915757179	0.014501976	0.004143703	6.96607E-05	0.00232355	0.000794837	0.505898714	2.0695E-06	0.000662252	0.001201774	0.002086469	0.00479062
2110 Feb	0.026829455	2.26197E-05	4.561880112	12.00209713	0.112905659	0.001574264	5.916016579	0.014502606	0.004143885	6.96639E-05	0.002323651	0.000794872	0.505920768	2.06959E-06	0.000662281	0.001201826	0.00208656	0.004790829
2110 Mar	0.026832893	2.26226E-05	4.562458515	12.00361824	0.112919994	0.001574464	5.91676712	0.014504444	0.004144412	6.96728E-05	0.002323946	0.000794973	0.505984962	2.06985E-06	0.000662365	0.001201979	0.002086824	0.004791435
2110 Apr	0.026847189	2.26346E-05	4.564885616	12.01000404	0.112980068	0.001575301	5.919915676	0.014512159	0.004146617	6.97099E-05	0.002325182	0.000795396	0.506254077	2.07095E-06	0.000662717	0.001202618	0.002087934	0.004793984
2110 May	0.026898539	2.26684E-05	4.571585178	12.02782345	0.113153681	0.001577622	5.928121567	0.014533617	0.004152512	6.9869E-05	0.002328627	0.000796571	0.50700736	2.07372E-06	0.000663697	0.001204466	0.002090959	0.004801066
2110 Jun	0.026821088	2.25755E-05	4.550243855	11.97584248	0.112719186	0.001570848	5.887550831	0.014472619	0.00412292	6.98153E-05	0.002319045	0.000793184	0.504869223	2.05842E-06	0.000660926	0.001199789	0.00208006	0.004781258
2110 Jul	0.026936824	2.27031E-05	4.574752808	12.04228115	0.113350943	0.001579684	5.912711143	0.014554586	0.004138913	7.00819E-05	0.002332271	0.000797649	0.507696271	2.06696E-06	0.000664678	0.001206461	0.00209062	0.004808611
2110 Aug	0.026796136	2.26535E-05	4.561835289	12.01280594	0.113086849	0.001576178	5.880623817	0.014522861	0.004112735	6.96091E-05	0.002327354	0.000795847	0.506517708	2.05508E-06	0.000663252	0.001203437	0.002082972	0.004798768
2110 Sep	0.026652556	2.2584E-05	4.545665264	11.97364044	0.112727143	0.001571373	5.848309517	0.014478344	0.004087728	6.91384E-05	0.002320337	0.000793358	0.504914224	2.04321E-06	0.000661243	0.001199474	0.002074237	0.004784537
2110 Oct	0.026525799	2.2502E-05	4.527649403	11.92833138	0.112305477	0.001565689	5.817895889	0.014425269	0.004065976	6.87171E-05	0.002311893	0.000790414	0.503034413	2.03225E-06	0.000658842	0.001194918	0.002065188	0.004767277
2110 Nov	0.02649205	2.24817E-05	4.523149014	11.91708374	0.112201057	0.001564278	5.810081005	0.014412157	0.004060224	6.86085E-05	0.002309811	0.000789686	0.502568543	2.02942E-06	0.000658248	0.001193786	0.002062897	0.004763027
2110 Dec	0.02649378	2.2483E-05	4.52342844	11.91781902	0.112207972	0.001564375	5.810443401	0.014413046	0.004060485	6.86127E-05	0.002309953	0.000789735	0.502599597	2.02954E-06	0.000658289	0.00119386	0.002063025	0.00476332
2111 Jan	0.026494278	2.24834E-05	4.523497581	11.91800022	0.112209693	0.001564399	5.810534	0.014413262	0.004060553	6.86139E-05	0.002309988	0.000789747	0.502607226	2.02957E-06	0.000658299	0.001193878	0.002063057	0.004763392
2111 Feb	0.026494652	2.24836E-05	4.523545742	11.91812706	0.112210922	0.001564415	5.810598373	0.014413415	0.004060599	6.86149E-05	0.002310012	0.000789755	0.502612531	2.0296E-06	0.000658306	0.001193891	0.002063079	0.004763442
2111 Mar	0.026501333	2.24893E-05	4.52467823	11.92111015	0.112239033	0.001564807	5.812054157	0.014417022	0.004061617	6.86322E-05	0.00231059	0.000789953	0.502738357	2.0301E-06	0.00065847	0.00119419	0.002063596	0.004764634
2111 Apr	0.026527187	2.25112E-05	4.529087543	11.93272781	0.112348415	0.001566331	5.817718506	0.01443107	0.004065576	6.86991E-05	0.002312842	0.000790723	0.503228307	2.03208E-06	0.000659112	0.001195354	0.002063607	0.004769276
2111 May	0.026602123	2.25539E-05	4.537439346	11.95509624	0.112571545	0.001569231	5.827567101	0.014457927	0.004072817	6.89483E-05	0.002317159	0.000792193	0.504175544	2.03532E-06	0.000660339	0.001197729	0.002069349	0.004778134
2111 Jun	0.026603969	2.2513E-05	4.527280807	11.93150806	0.112400182	0.001566116	5.80505991	0.014430337	0.00405656	6.91208E-05	0.002312875	0.000790652	0.503219903	2.02645E-06	0.000659089	0.001195865	0.002063856	0.004769221
2111 Jul	0.026806563	2.26988E-05	4.56406498	12.02936077	0.113325007	0.001579016	5.849131584	0.014549477	0.004086604	6.96304E-05	0.002332014	0.000797167	0.507359266	2.04172E-06	0.000664534	0.001205683	0.002080331	0.004808725
2111 Aug	0.026758099	2.27132E-05	4.564862728	12.03487015	0.113386646	0.001580005	5.838648319	0.014559069	0.004076141	6.94317E-05	0.00233368	0.000797646	0.50763905	2.03752E-06	0.000664989	0.001206181	0.002079363	0.004812385
2111 Sep	0.026743079	2.27299E-05	4.567051411	12.04244614	0.113462895	0.001581175	5.835278511	0.014569781	0.004072302	6.93427E-05	0.002335459	0.000798208	0.507984698	2.03605E-06	0.000665489	0.001206909	0.002079638	0.004816181
2111 Oct	0.026633697	2.26666E-05	4.553063393	12.00758743	0.113139383	0.001576801	5.810670376	0.014529254	0.00405388	6.89966E-05	0.002329031	0.000795957	0.506542087	2.02711E-06	0.000663654	0.001203397	0.002072471	0.004803066
2111 Nov	0.026572594	2.26258E-05	4.544215202	11.98516846	0.112930156	0.001573968	5.796294689	0.01450286	0.004043617	6.87989E-05	0.002324826	0.000794496	0.505609453	2.02195E-06	0.000662458	0.001201142	0.002068089	0.00479446
2111 Dec	0.02657412	2.26269E-05	4.544437885	11.98575783	0.1129357	0.001574048	5.796566963	0.014503574	0.004043833	6.88019E-05	0.00232494	0.000794535	0.505634427	2.02205E-06	0.000662491	0.001201201	0.00206819	0.004794696
2112 Jan	0.02657461	2.26272E-05	4.544503212	11.98592854	0.112937331	0.00157407	5.796652794	0.014503779	0.004043897	6.8803E-05	0.002324973	0.000794546	0.505641639	2.02208E-06	0.0006625	0.001201218	0.00206822	0.004794764
2112 Feb	0.026575778	2.26281E-05	4.54468441	11.98640633	0.112941884	0.001574133	5.796886444	0.014504356	0.004044062	6.88061E-05	0.002325065	0.000794578	0.505661786	2.02216E-06	0.000662527	0.001201267	0.002068302	0.004794954
2112 Mar	0.026583649	2.26348E-05	4.546020508	11.98993111	0.112975113	0.001574595	5.798592091	0.014508619	0.004045252	6.88264E-05	0.002325749	0.000794812	0.50581044	2.02275E-06	0.000662722	0.00120162	0.002068911	0.004796363
2112 Apr	0.026606077	2.26539E-05	4.549850464	12.00003147	0.113070294	0.001575922	5.803477764	0.014520841	0.004048662	6.88845E-05	0.002327708	0.000795481	0.506236553	2.02446E-06	0.00066328	0.001202632	0.002070653	0.004800404
2112 May	0.026681269	2.26843E-05	4.555655003	12.01581001	0.113237761	0.001577932	5.809827328	0.014539563	0.004053742	6.91638E-05	0.002330725	0.000796506	0.506907105	2.02637E-06	0.000664136	0.001204418	0.002073228	0.004806552
2112 Jun	0.026470672	2.24935E-05	4.513855934	11.91148758	0.112321556	0.001564337	5.738122463	0.01441629	0.004000718	6.87907E-05	0.002311231	0.00078969	0.502580404	1.99981E-06	0.000658524	0.001194566	0.00205242	0.004766363
2112 Jul	0.026540328	2.25895E-05	4.531674385	11.96080589	0.112794183	0.001570957	5.752906322	0.014478007	0.004009136	6.8928E-05	0.002321241	0.000793038	0.504692733	2.00468E-06	0.000661353	0.001199546	0.002059804	0.004787092
2112 Aug	0.02667563	2.27294E-05	4.558956623	12.03417587	0.113489807	0.001580696	5.782998085	0.014567982	0.004028607	6.92561E-05	0.002335719	0.000797949	0.507807016	2.01492E-06	0.000665469	0.001206882	0.002071657	0.004817044
2112 Sep	0.026681293	2.27614E-05	4.564450264	12.05023956	0.113645382	0.00158294	5.784731388	0.014588755	0.004028302	6.92363E-05	0.002339107	0.000799066	0.508506298	2.01525E-06	0.000666427	0.00120847	0.002073525	0.00482414
2112 Oct	0.026652362	2.27537E-05	4.562263489	12.04553699	0.113603592	0.001582422	5.778421879	0.014583939	0.004023089	6.91326E-05	0.002338373	0.000798787	0.508322239	2.01286E-06	0.000666214	0.001207986	0.002072107	0.0048227
2112 Nov	0.026654836	2.27577E-05	4.562982559	12.04757309	0.113623105	0.001582704	5.778866768	0.014586516	0.004023333	6.9134E-05	0.00233879	0.000798926	0.508410156	2.01299E-06	0.000666333	0.001208189	0.002072379	0.004823572
2112 Dec	0.026657116	2.27596E-05	4.563362598	12.04857826	0.113632582	0.001582837	5.779351234	0.014587732	0.004023675	6.91397E-05	0.002338985	0.000798992	0.508452535	2.01316E-06	0.000666389	0.00120829	0.002072552	0.004823973
2113 Jan	0.02665741	2.27598E-05	4.563401699	12.04868031	0.113633558	0.00158285	5.779401779	0.014587855	0.004023714	6.91404E-05	0.002339005	0.000798999	0.508456826	2.01318E-06	0.000666395	0.0012083	0.00207257	0.004824013
2113 Feb	0.026658425	2.27606E-05	4.563564301	12.04910946	0.113637634	0.001582906	5.77960968	0.014588373	0.004023859	6.91431E-05	0.002339088	0.000799028	0.508475006	2.01325E-06	0.000666418	0.001208344	0.002072644	0.004824185
2113 Mar	0.026670374	2.27708E-05	4.56560421	12.05449486	0.113688424	0.001583614	5.782193661	0.014594892	0.004025658	6.91741E-05	0.002340133	0.000799384	0.508702159	2.01415E-06	0.000666716	0.001208884	0.00207357	0.00482634
2113 Apr	0.026692538	2.27897E-05	4.569395065	12.06450272	0.113782831	0.001584929	5.786994457	0.014607009	0.004029002	6.92316E-05	0.002342076	0.000800048	0.509124577	2.01582E-06	0.00066727	0.001209888	0.002075291	0.004830348
2113 May	0.026765259	2.2829E-05	4.576993942	12.08502293	0.11399059	0.001587585	5.795484543	0.014631672	0.004035245	6.9482E-05	0.002346046	0.000801397	0.50999552	2.01853E-06	0.000668397	0.001212096	0.002078648	0.004838489
2113 Jun	0.026740914	2.2788E-05	4.566809654	12.06149101	0.113812298	0.001584521	5.772378445	0.014604582	0.004017729	6.95499E-05	0.002341849	0.000799881	0.509043872	2.00951E-06	0.00066717	0.00121014	0.002073023	0.004829815
2113 Jul	0.026889039	2.29375E-05	4.595890522	12.13973904	0.11455486	0.001594894	5.804272175	0.014700581	0.004038636	6.99073E-05	0.002357306	0.000805118	0.512365699	2.02041E-06	0.000671562	0.001217984	0.002085709	0.004861769
2113 Aug	0.026998989	2.3058E-05	4.619157314	12.20273018	0.115153402	0.001603279	5.828537464	0.014778176	0.004053918	7.01656E-05	0.002369809	0.000809348	0.515044928	2.02859E-06	0.000675113	0.001224279	0.002095662	0.004887657
2113 Sep	0.026961397	2.30637E-05	4.619005203	12.20452881	0.115175813	0.001603708	5.821016312	0.014782204	0.00404665	7.00169E-05	0.002370535	0.000809538	0.515150666	2.02558E-06	0.00067531	0.001224428	0.00209471	0.004889308
2113 Oct	0.026795097	2.29576E-05	4.596084118	12.14651775	0.114633821	0.001596365	5.78358984	0.014714017	0.004019369	6.94918E-05	0.002359681	0.000805765	0.512737632	2.01212E-06	0.000672218	0.001218579	0.002083311	0.004867104
2113 Nov	0.026773322	2.2942E-05	4.592623711	12.13778114	0.114551984	0.001595285	5.77781868	0.014703752	0.004015549	6.94071E-05	0.002358042	0.000805194	0.512375176	2.01006E-06	0.000671755	0.001217698	0.002081588	0.004863757
2113 Dec	0.02677579	2.29441E-05	4.593029022	12.13885307	0.114562094	0.001595427	5.77833271	0.01470505	0.004015916	6.94133E-05	0.00235825	0.000805265	0.512420416	2.01024E-06	0.000671815	0.001217805	0.002081773	0.004864186
2114 Jan	0.026776455	2.29445E-05	4.593127728	12.13911247	0.114564568	0.001595461	5.778459072	0.014705364	0.004016008	6.94149E-05	0.0023583	0.000805283	0.512431383	2.01029E-06	0.000671829	0.001217832	0.002081817	0.004864288
2114 Feb	0.026776949	2.29449E-05	4.593196869	12.13929462	0.114566311	0.001595484	5.778547764	0.014705582	0.00401607	6.94162E-05	0.002358336	0.000805295	0.512439072	2.01032E-06	0.000671839	0.00121785	0.002081849	0.004864361
2114 Mar	0.026783254	2.29503E-05	4.594270229	12.14213085	0.114593104	0.001595857	5.77989912	0.014709017	0.00401701	6.94325E-05	0.002358886	0.000805483	0.512558818	2.01079E-06	0.000671996	0.001218135	0.002082335	0.004865497
2114 Apr	0.026799127	2.29638E-05	4.596987724	12.14931393	0.114660896	0.001596801	5.783318996	0.014717718	0.004019388	6.94737E-05	0.002360282	0.000805959	0.512861967	2.01198E-06	0.000672393	0.001218855	0.002083567	0.004868375
2114 May	0.02683581	2.29679E-05	4.597268105	12.15096092	0.114697419	0.001596976	5.781225681	0.014719668	0.004018053	6.96552E-05	0.002360628	0.000806061	0.512941778	2.01085E-06	0.000672484	0.001219232	0.002083454	0.00486904
2114 Jun	0.02692665	2.30265E-05	4.607597351	12.18066692	0.115011036	0.001600889	5.786966801	0.014756569	0.004021116	6.99958E-05	0.00236665	0.000808058	0.514225304	2.01211E-06	0.000674177	0.001222524	0.002087429	0.004881437
2114 Jul	0.027138166	2.32275E-05	4.647149563	12.28640175	0.11601273	0.00161486	5.832710743	0.01488568	0.004051732	7.05258E-05	0.00238741	0.000815113	0.518704534	2.02784E-06	0.000680081	0.001233132	0.002104924	0.004924319
2114 Aug	0.027349498	2.34222E-05	4.6856637	12.38899803	0.116983503	0.001628401	5.878470898	0.015010647	0.004082692	7.10609E-05	0.002407482	0.000821945	0.523046374	2.04362E-06	0.000685794	0.001243416	0.002122062	0.004965772
2114 Sep	0.027294863	2.34155E-05	4.682889938	12.38402462	0.116942137	0.001627965	5.867080688	0.015006613	0.004072725	7.08573E-05	0.002406918	0.000821692	0.522868931	2.03924E-06	0.000685624	0.001242879	0.002119859	0.004964777
2114 Oct	0.027204299	2.33656E-05	4.671732903	12.35636425	0.116684884	0.001624522	5.846943378	0.014974607	0.004057637	7.05602E-05	0.002401846	0.000819911	0.521726489	2.03192E-06	0.000684177	0.00124008	0.002114077	0.004954446
2114 Nov	0.027122557	2.33098E-05	4.659802914	12.32592487	0.116399586	0.001620657	5.828257561	0.014938619	0.004044341	7.02993E-05	0.002396105	0.000817923	0.520457149	2.02525E-06	0.000682544	0.001237011	0.002108244	0.004942686
2114 Dec	0.027121481	2.33091E-05	4.65964222	12.32552719	0.116395876	0.001620609	5.827954292	0.01493816	0.004044143	7.02945E-05	0.002396032	0.000817897	0.520440817	2.02514E-06	0.000682524	0.001236971	0.00210816	0.004942538
2115 Jan	0.027122324	2.33097E-05	4.659766674	12.32585716	0.116399013	0.001620653	5.828113556	0.014938558	0.004044258	7.02966E-05	0.002396096	0.000817919	0.520454705	2.02519E-06	0.000682542	0.001237004	0.002108217	0.004942669
2115 Feb	0.027123371	2.33105E-05	4.659927845	12.3262825	0.116403066	0.001620708	5.828317642	0.014939071	0.004044401	7.02993E-05	0.002396178	0.000817947	0.520472705	2.02526E-06	0.000682566	0.001237047	0.00210829	0.004942839
2115 Mar	0.027126728	2.33133E-05	4.660494328	12.32777977	0.116417237	0.001620905	5.829027176	0.014940885	0.004044895	7.0308E-05	0.002396469	0.000818046	0.520535946	2.02551E-06	0.000682649	0.001237198	0.002108546	0.004943438

Appendix D.2-19: WES04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.027148759	2.33322E-05	4.664272785	12.33777714	0.11651165	0.001622219	5.833755016	0.014953	0.004048176	7.03651E-05	0.002398412	0.000818709	0.520958066	2.02715E-06	0.000683202	0.001238201	0.002110256	0.004947447
2115 May	0.027195908	2.33471E-05	4.666695595	12.34515476	0.116602242	0.001623152	5.834129333	0.014961958	0.004048444	7.05724E-05	0.002399886	0.000819194	0.521280646	2.02687E-06	0.000683614	0.001239149	0.002111084	0.004950442
2115 Jun	0.027351849	2.34579E-05	4.688121796	12.40304279	0.117171273	0.001630738	5.857454777	0.015032322	0.004064497	7.10601E-05	0.002411222	0.000823037	0.523739278	2.03453E-06	0.000686832	0.00124518	0.002120447	0.004973784
2115 Jul	0.027538156	2.36425E-05	4.72420311	12.49992752	0.118090324	0.001643568	5.897785664	0.015150974	0.004090996	7.15198E-05	0.002430313	0.000829514	0.527849197	2.0483E-06	0.000692259	0.001254887	0.00213622	0.005013253
2115 Aug	0.027470546	2.36432E-05	4.722380638	12.49842072	0.11808455	0.001643625	5.884347916	0.015152022	0.004078271	7.12755E-05	0.002430607	0.000829527	0.527831018	2.04308E-06	0.000692322	0.001254672	0.002134081	0.005014085
2115 Sep	0.027474858	2.36758E-05	4.727880001	12.51459503	0.118241295	0.001645903	5.885682106	0.015173037	0.004077656	7.12443E-05	0.002434034	0.000830655	0.528537214	2.04327E-06	0.000693291	0.001256262	0.002135911	0.005021273
2115 Oct	0.027462166	2.36787E-05	4.727962017	12.51565361	0.118253149	0.001646122	5.882994175	0.015175017	0.004075129	7.1188E-05	0.002434381	0.000830752	0.528593242	2.04218E-06	0.000693388	0.001256357	0.002135612	0.005022048
2115 Nov	0.027424062	2.36531E-05	4.722403526	12.50154781	0.118120939	0.001644348	5.874008179	0.015158404	0.00406883	7.10585E-05	0.002431732	0.000829832	0.528006434	2.03897E-06	0.000692635	0.001254933	0.002132865	0.005016629
2115 Dec	0.027424438	2.36537E-05	4.72249794	12.50183105	0.118123651	0.00164439	5.87401247	0.015158772	0.004068844	7.10573E-05	0.002431792	0.000829851	0.528018832	2.03897E-06	0.000692653	0.001254961	0.002132895	0.005016755
2116 Jan	0.027425291	2.36543E-05	4.722623348	12.50216198	0.11812681	0.001644434	5.874171734	0.015159171	0.00406896	7.10594E-05	0.002431856	0.000829873	0.52803278	2.03902E-06	0.000692671	0.001254995	0.002132952	0.005016887
2116 Feb	0.027427265	2.36559E-05	4.722941875	12.50300598	0.118134819	0.001644545	5.874570847	0.015160192	0.004069238	7.10645E-05	0.002432019	0.000829929	0.528068423	2.03916E-06	0.000692718	0.00125508	0.002133096	0.005017224
2116 Mar	0.027430916	2.3659E-05	4.723558903	12.50463867	0.118150279	0.001644759	5.875339985	0.015162171	0.004069772	7.1074E-05	0.002432337	0.000830037	0.528137386	2.03942E-06	0.000692808	0.001255244	0.002133375	0.005017878
2116 Apr	0.02745167	2.36769E-05	4.727126122	12.51408195	0.118239515	0.001646001	5.879777908	0.015173621	0.004072846	7.11278E-05	0.002434174	0.000830664	0.528536201	2.04096E-06	0.000693331	0.001256192	0.002134986	0.005021668
2116 May	0.027519567	2.37042E-05	4.73239994	12.52829266	0.118389092	0.00164781	5.885924339	0.015190421	0.004077824	7.13759E-05	0.002436876	0.000831585	0.529138684	2.04288E-06	0.000694099	0.001257791	0.002137369	0.005027171
2116 Jun	0.027365992	2.35543E-05	4.699685574	12.44650364	0.117674224	0.001637111	5.830440521	0.015093473	0.004036929	7.11434E-05	0.002421537	0.000826229	0.525743842	2.02226E-06	0.000689684	0.001250109	0.002121141	0.004995523
2116 Jul	0.027567383	2.37499E-05	4.737933159	12.5490818	0.118647903	0.001650682	5.873504639	0.015219008	0.004065573	7.16431E-05	0.002441743	0.000833083	0.530094087	2.03703E-06	0.000695425	0.001260428	0.002137998	0.005037257
2116 Aug	0.027736273	2.39136E-05	4.770052433	12.63511276	0.119463637	0.001662072	5.910114765	0.015324173	0.004089824	7.20641E-05	0.002458652	0.000838828	0.533741057	2.04955E-06	0.000700235	0.00126905	0.002152104	0.005072207
2116 Sep	0.027639259	2.38768E-05	4.761107922	12.61414051	0.119271271	0.001659566	5.889949799	0.015301026	0.004073501	7.17392E-05	0.002455035	0.000837522	0.532892168	2.04207E-06	0.000699195	0.001266898	0.002146974	0.00506494
2116 Oct	0.027537251	2.38094E-05	4.746445656	12.57697392	0.118922621	0.001654899	5.866107464	0.015257303	0.004056747	7.13904E-05	0.002448064	0.0008351	0.53134656	2.03354E-06	0.000697216	0.001263141	0.002139708	0.005050684
2116 Nov	0.027540786	2.38128E-05	4.747000694	12.57856655	0.118937768	0.001655135	5.86635828	0.015259327	0.00405707	7.13877E-05	0.00244839	0.000835209	0.53141588	2.03361E-06	0.000697311	0.001263299	0.002139913	0.005051367
2116 Dec	0.027541513	2.38134E-05	4.747114658	12.57886696	0.118940607	0.001655175	5.866500854	0.015259693	0.004057176	7.13894E-05	0.002448449	0.000835228	0.531428635	2.03366E-06	0.000697328	0.00126333	0.002139965	0.005051487
2117 Jan	0.027541792	2.38136E-05	4.747148991	12.57895756	0.118941478	0.001655187	5.8665452	0.0152598	0.00405721	7.139E-05	0.002448466	0.000835234	0.53143239	2.03368E-06	0.000697333	0.001263339	0.002139981	0.005051523
2117 Feb	0.027542073	2.38137E-05	4.747183323	12.57905006	0.11894238	0.001655199	5.866590023	0.015259909	0.004057242	7.13907E-05	0.002448483	0.00083524	0.531436265	2.03369E-06	0.000697338	0.001263348	0.002139997	0.005051559
2117 Mar	0.027546642	2.38176E-05	4.747963905	12.58111763	0.118961945	0.00165547	5.867555618	0.015262417	0.00405791	7.14026E-05	0.002448886	0.000835378	0.531523585	2.03403E-06	0.000697452	0.001263556	0.002140348	0.005052389
2117 Apr	0.027573636	2.3841E-05	4.752612591	12.59343529	0.11907842	0.001657091	5.873300552	0.015277359	0.004061884	7.14726E-05	0.002451283	0.000836195	0.532043993	2.03602E-06	0.000698135	0.001264793	0.002142444	0.005057335
2117 May	0.027646778	2.38856E-05	4.761187553	12.61671925	0.119312197	0.001660125	5.882399082	0.01530555	0.004068276	7.17193E-05	0.002455827	0.000837735	0.533033967	2.03891E-06	0.000699425	0.00126727	0.002146164	0.005066676
2117 Jun	0.027724393	2.39281E-05	4.768506527	12.63808537	0.119545013	0.001662923	5.88559103	0.015332067	0.00406995	7.2025E-05	0.002460168	0.000839169	0.533960581	2.03938E-06	0.000700642	0.001269716	0.002148915	0.005075587
2117 Jul	0.02791887	2.4114E-05	4.804925442	12.73565292	0.120470636	0.001675829	5.927021027	0.015451347	0.00409758	7.25099E-05	0.002479352	0.000845683	0.538096726	2.05357E-06	0.000706097	0.001279508	0.002164944	0.005115225
2117 Aug	0.028023545	2.42316E-05	4.82753849	12.79704571	0.121054873	0.001684014	5.950050831	0.015527094	0.004111874	7.27546E-05	0.002491563	0.00084981	0.540710151	2.0613E-06	0.000709565	0.001285647	0.00217455	0.005140518
2117 Sep	0.028057093	2.42844E-05	4.837339401	12.82430458	0.121315598	0.001687707	5.95788908	0.015561253	0.004115949	7.28145E-05	0.002497092	0.000851663	0.541878998	2.06377E-06	0.000711133	0.001288363	0.002178446	0.005152017
2117 Oct	0.028004082	2.42563E-05	4.830959797	12.8085804	0.121169023	0.001685771	5.946046829	0.01554315	0.004107148	7.26316E-05	0.002494224	0.000850653	0.541231096	2.05947E-06	0.000710316	0.001286766	0.002175102	0.005146188
2117 Nov	0.027989175	2.42487E-05	4.829218864	12.80431938	0.121129364	0.001685249	5.94272089	0.01553827	0.00410466	7.25796E-05	0.002493453	0.000850381	0.541055918	2.05825E-06	0.000710096	0.001286332	0.002174178	0.005144621
2117 Dec	0.027990047	2.42497E-05	4.829420567	12.80487633	0.121134676	0.001685325	5.942894459	0.015538964	0.004104769	7.2581E-05	0.002493565	0.000850419	0.54107976	2.05831E-06	0.000710128	0.001286388	0.00217426	0.005144854
2118 Jan	0.027990695	2.42502E-05	4.829512596	12.80511951	0.121136993	0.001685357	5.94301033	0.015539257	0.004104853	7.25826E-05	0.002493611	0.000850435	0.541090012	2.05835E-06	0.000710141	0.001286413	0.002174302	0.00514495
2118 Feb	0.027991509	2.42508E-05	4.82963419	12.8054409	0.121140078	0.001685399	5.943162441	0.015539644	0.00410496	7.25847E-05	0.002493673	0.000850456	0.541103601	2.0584E-06	0.000710159	0.001286445	0.002174356	0.005145079
2118 Mar	0.027993921	2.42528E-05	4.830039501	12.80651474	0.121150278	0.00168554	5.94366312	0.015540947	0.004105307	7.25909E-05	0.002493883	0.000850527	0.54114902	2.05858E-06	0.000710219	0.001286554	0.002174539	0.00514551
2118 Apr	0.028014615	2.4268E-05	4.833063126	12.81455803	0.121227838	0.001686593	5.947362423	0.015550659	0.004107872	7.2644E-05	0.002495441	0.000851058	0.541489005	2.05982E-06	0.000710662	0.001287375	0.002175886	0.005148721
2118 May	0.028054368	2.42503E-05	4.828775883	12.80452156	0.121168554	0.001685182	5.93869257	0.015538177	0.004102253	7.28857E-05	0.002493483	0.000850367	0.541079223	2.05615E-06	0.000710094	0.001286729	0.002173613	0.005144589
2118 Jun	0.027932828	2.41365E-05	4.803691387	12.74245358	0.120632216	0.001677074	5.894268036	0.015464964	0.004068745	7.2721E-05	0.002481926	0.000846317	0.538510561	2.03947E-06	0.000706761	0.001280934	0.002160893	0.005120773
2118 Jul	0.028176179	2.43591E-05	4.847546577	12.85949326	0.121742144	0.001692523	5.945667267	0.01560764	0.004103576	7.334E-05	0.002504857	0.000854115	0.54346633	2.05716E-06	0.000713285	0.0012927	0.002180384	0.005168119
2118 Aug	0.028187446	2.44169E-05	4.857600212	12.88869095	0.122024313	0.001696568	5.949479103	0.015645294	0.004103404	7.33163E-05	0.002510996	0.000856142	0.544734955	2.05804E-06	0.000715017	0.001295578	0.002183886	0.005180962
2118 Sep	0.028017083	2.43232E-05	4.836982727	12.83714294	0.121542387	0.001690102	5.913585663	0.015585399	0.004076172	7.27731E-05	0.002501489	0.000852819	0.542600214	2.04507E-06	0.000712303	0.001290334	0.002173346	0.005161579
2118 Oct	0.027889296	2.42385E-05	4.818912506	12.79102039	0.121108659	0.00168425	5.885308743	0.015530913	0.004055942	7.23618E-05	0.002492798	0.000849808	0.540676653	2.03498E-06	0.00070983	0.001285667	0.002164502	0.005143782
2118 Nov	0.027864845	2.42229E-05	4.815531254	12.78246212	0.121028259	0.001683175	5.879775047	0.01552086	0.004052	7.22791E-05	0.002491196	0.000849251	0.540320754	2.033E-06	0.000709375	0.0012848	0.00216282	0.005140508
2118 Dec	0.02786679	2.42246E-05	4.815858364	12.78332996	0.121036477	0.00168329	5.880170345	0.015521915	0.00405228	7.22838E-05	0.002491365	0.000849309	0.54035753	2.03314E-06	0.000709424	0.001284887	0.002162967	0.005140858
2119 Jan	0.027867597	2.42252E-05	4.815981388	12.78365707	0.121039584	0.001683333	5.880322933	0.01552231	0.004052388	7.22859E-05	0.002491428	0.00084933	0.540371299	2.03319E-06	0.000709442	0.00128492	0.002163022	0.005140988
2119 Feb	0.027868809	2.42262E-05	4.816174984	12.7841711	0.121044487	0.001683401	5.880561829	0.015522932	0.004052554	7.2289E-05	0.002491528	0.000849364	0.540393054	2.03327E-06	0.00070947	0.001284972	0.002163109	0.005141194
2119 Mar	0.027876943	2.42332E-05	4.817572594	12.78787899	0.121079616	0.001683889	5.882268906	0.015527434	0.004053731	7.23101E-05	0.002492251	0.000849611	0.540549815	2.03386E-06	0.000709676	0.001285345	0.002163737	0.005142685
2119 Apr	0.027925493	2.42637E-05	4.823626995	12.80404472	0.121238798	0.00168599	5.88962698	0.015546846	0.004058862	7.24336E-05	0.002495363	0.000850671	0.541233301	2.03627E-06	0.000710563	0.001287026	0.002166405	0.005149096
2119 May	0.027957736	2.4199E-05	4.809822559	12.76959419	0.120975472	0.001681275	5.867733955	0.015504181	0.004043723	7.26424E-05	0.002488569	0.000848314	0.539798021	2.02737E-06	0.000708614	0.001284158	0.002159454	0.005134958
2119 Jun	0.027932163	2.41999E-05	4.808477879	12.76880169	0.120987989	0.00168127	5.857204914	0.015505084	0.004034044	7.26057E-05	0.002488842	0.000848332	0.539799392	2.02309E-06	0.000708665	0.001284226	0.002157927	0.005135594
2119 Jul	0.028151579	2.44068E-05	4.848992825	12.8773241	0.122018851	0.001695618	5.903334618	0.015637709	0.00406496	7.3157E-05	0.002510179	0.000855575	0.544399917	2.03891E-06	0.00071473	0.00129515	0.002175817	0.005179657
2119 Aug	0.028254982	2.45356E-05	4.873450279	12.94426537	0.122657441	0.001704593	5.926398754	0.015720753	0.004078551	7.33844E-05	0.002523584	0.000860093	0.547257125	2.04652E-06	0.000718535	0.001301835	0.002185982	0.005207462
2119 Sep	0.028174182	2.45036E-05	4.865798473	12.92604733	0.122488827	0.0017024	5.909954071	0.015700452	0.004065347	7.3112E-05	0.002520397	0.000858952	0.546516478	2.04047E-06	0.00071762	0.001299954	0.002181696	0.005201042
2119 Oct	0.02808721	2.44513E-05	4.854493141	12.89748669	0.122220561	0.0016988	5.891296864	0.015666984	0.004051629	7.28317E-05	0.002515072	0.000857099	0.545329213	2.03377E-06	0.000716104	0.001297055	0.002176041	0.005190162
2119 Nov	0.028050413	2.44271E-05	4.849345684	12.88433266	0.122096695	0.001697129	5.883292198	0.015651438	0.004045879	7.27145E-05	0.002512591	0.00085624	0.544780314	2.03092E-06	0.000715398	0.001295723	0.002173527	0.005185083
2119 Dec	0.028052393	2.44288E-05	4.849674702	12.88520527	0.122104958	0.001697244	5.883693695	0.015652496	0.004046162	7.27194E-05	0.002512761	0.000856298	0.544817269	2.03105E-06	0.000715446	0.001295811	0.002173675	0.005185434

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.11	0.00010	0.000030	0.00000079	0.029	0.000016	0.010	7.9E-07	7.9E-07	3.9E-09	4.7E-06	2.2E-06	5.4E-06	5.7E-05	3.9E-09	4.5E-02	1.6E-08	5.5E-07	9.5E-07	1.5E-06
Operations (2020-2043): Mean	696	1.1	1.4	0.048	406	0.12	90	5.4E-04	5.4E-04	6.0E-06	9.3E-03	3.3E-03	1.7E-01	1.4E-02	4.9E-06	2.8E+01	4.3E-05	2.2E-04	4.2E-04	3.2E-03
Operations (2020-2043): Max	1129	1.8	2.3	0.08	670	0.18	146	7.2E-04	7.2E-04	7.7E-06	1.2E-02	4.8E-03	2.8E-01	2.5E-02	5.9E-06	3.8E+01	6.2E-05	3.3E-04	5.7E-04	4.8E-03
Active Closure (2044-2050): Min	57	0.051	0.063	0.0029	25	0.032	9	6.5E-04	6.5E-04	5.1E-06	3.3E-03	4.4E-04	1.5E-02	8.1E-03	5.0E-06	8.3E+00	8.1E-06	6.8E-05	1.1E-04	9.1E-04
Active Closure (2044-2050): Mean	115	0.14	0.18	0.0069	58	0.040	17	9.4E-04	9.4E-04	5.2E-06	3.9E-03	7.3E-04	3.1E-02	9.1E-03	5.1E-06	1.1E+01	1.2E-05	9.0E-05	1.5E-04	1.1E-03
Active Closure (2044-2050): Max	610	0.93	1.16	0.040	342	0.11	85	9.8E-04	9.8E-04	6.4E-06	9.5E-03	3.3E-03	1.6E-01	1.9E-02	5.3E-06	3.1E+01	4.4E-05	2.8E-04	5.0E-04	3.2E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***	***variable***
Post Closure (2051-2119): Min	57	0.051	0.039	0.0020	24	0.031	9	9.7E-04	9.7E-04	5.1E-06	3.3E-03	4.4E-04	1.5E-02	8.1E-03	5.0E-06	8.3E+00	8.1E-06	7.0E-05	1.1E-04	9.1E-04
Post Closure (2051-2119): Mean	66	0.053	0.050	0.0024	25	0.033	10	9.9E-04	9.9E-04	5.2E-06	4.5E-03	7.6E-04	1.8E-02	1.3E-02	5.1E-06	1.2E+01	1.2E-05	1.3E-04	1.8E-04	1.0E-03
Post Closure (2051-2119): Max	74	0.056	0.063	0.0029	26	0.035	11	1.0E-03	1.0E-03	5.3E-06	5.4E-03	1.0E-03	2.1E-02	1.7E-02	5.2E-06	1.6E+01	1.5E-05	1.9E-04	2.4E-04	1.1E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2119)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	0.113695912	0.000100922	3.03554E-05	7.88453E-07	0.028857371	1.57691E-05	0.00985566	7.88453E-07	7.88453E-07	3.94226E-09	4.65187E-06	2.20767E-06	5.44032E-06	5.71628E-05	3.94226E-09	0.045336034	1.57691E-08	5.51917E-07	9.46143E-07	1.49806E-06
2040 Feb	0.553034306	0.0004909	0.000147653	3.83515E-06	0.140366673	7.67031E-05	0.047939438	3.83515E-06	3.83515E-06	1.91758E-08	2.26274E-05	1.07384E-05	2.64626E-05	0.000278049	1.91758E-08	0.220521405	7.67031E-08	2.68461E-06	4.60219E-06	7.28679E-06
2040 Mar	1.053197026	0.000934868	0.000281191	7.30366E-06	0.267313898	0.000146073	0.091295734	7.30366E-06	7.30366E-06	3.65183E-08	4.30916E-05	2.04502E-05	5.03952E-05	0.000529515	3.65183E-08	0.41996038	1.46073E-07	5.11256E-06	8.76439E-06	1.3877E-05
2040 Apr	1.477842093	0.001311804	0.000394566	1.02485E-05	0.375093877	0.000204969	0.128105819	1.02485E-05	1.02485E-05	5.12423E-08	6.0466E-05	2.86957E-05	7.07144E-05	0.000743014	5.12423E-08	0.589286804	2.04969E-07	7.17393E-06	1.22982E-05	1.94721E-05
2040 May	177.5280151	0.263207763	0.322744191	0.011056459	97.40483093	0.027296698	21.78347397	0.000268882	0.000268882	2.0925E-06	0.002978383	0.001093428	0.040224869	0.012319485	1.84687E-06	13.56233597	1.369E-05	0.000146348	0.000251413	0.000957658
2040 Jun	781.663208	1.214537263	1.558122993	0.053449497	455.3367615	0.119310439	99.2490921	0.000595918	0.000595918	6.64485E-06	0.010108614	0.003620857	0.191648513	0.017041152	5.44138E-06	31.965662	5.22779E-05	0.000285316	0.000527325	0.003511861
2040 Jul	912.1387329	1.430475831	1.849445462	0.063445881	537.6868286	0.140662774	116.7272415	0.000546215	0.000546215	7.09301E-06	0.010717944	0.003977549	0.226545542	0.011924676	5.66079E-06	31.26646233	5.70436E-05	0.00024135	0.000489327	0.003963955
2040 Aug	1064.577393	1.681852579	2.170813799	0.074339963	630.9824219	0.165267989	136.9376678	0.000446651	0.000446651	7.35757E-06	0.010797622	0.00452365	0.264485061	0.011869417	5.67502E-06	34.99908066	5.95906E-05	0.000234455	0.0005452	0.004562382
2040 Sep	994.3375244	1.582853675	2.017044306	0.069119826	588.0274658	0.159022957	127.8977356	0.000463679	0.000463679	7.07953E-06	0.010639653	0.004273994	0.247209415	0.012478472	5.51623E-06	34.2398262	5.51821E-05	0.000238482	0.000512804	0.004311878
2040 Oct	846.4577637	1.35902369	1.699771523	0.058380574	497.6603394	0.141418159	108.6982498	0.000546008	0.000546008	6.74072E-06	0.010586558	0.003778746	0.20998995	0.013464208	5.42383E-06	31.57560921	4.97178E-05	0.000233194	0.000455184	0.003810957
2040 Nov	830.3911743	1.334302306	1.665290236	0.057214331	487.8335571	0.139536992	106.6073074	0.000556384	0.000556384	6.71101E-06	0.010572703	0.003726085	0.205964044	0.013577253	5.4209E-06	31.2911377	4.90849E-05	0.000232823	0.000448904	0.003756245
2040 Dec	827.5271606	1.329817057	1.659172654	0.057007331	486.0857239	0.139195472	106.2341766	0.000558171	0.000558171	6.70546E-06	0.01056636	0.003716614	0.205249742	0.013593225	5.42012E-06	31.23684692	4.89615E-05	0.000232732	0.000447749	0.003746202
2041 Jan	825.8835449	1.327126622	1.655521631	0.05688275	485.0543823	0.138965681	106.0159302	0.000559195	0.000559195	6.70187E-06	0.010559817	0.003712348	0.204815254	0.013650677	5.41938E-06	31.24002075	4.8891E-05	0.000233108	0.00044799	0.003740911
2041 Feb	825.1032715	1.325748801	1.653658032	0.056818329	484.5386047	0.138829291	105.9085693	0.000559745	0.000559745	6.70012E-06	0.010554686	0.003711412	0.204587236	0.013721569	5.41911E-06	31.27269745	4.88585E-05	0.000233676	0.000448907	0.003738867
2041 Mar	824.9465942	1.325429559	1.653181076	0.056801729	484.4152832	0.138800144	105.884552	0.000560225	0.000560225	6.70134E-06	0.010555321	0.003712107	0.204529613	0.013764588	5.42072E-06	31.30062675	4.88567E-05	0.000234061	0.000449552	0.003738968
2041 Apr	825.6264038	1.326483369	1.654450536	0.056845225	484.7966614	0.138912946	105.9695892	0.000561022	0.000561022	6.70828E-06	0.010565525	0.003715964	0.204687476	0.013801931	5.42669E-06	31.3457222	4.89012E-05	0.000234498	0.000450339	0.003742512
2041 May	823.8640137	1.319022894	1.646654248	0.056553159	482.8108826	0.137313619	105.582756	0.000567189	0.000567189	6.71843E-06	0.010522231	0.003745143	0.203533471	0.015215553	5.44363E-06	32.28704453	4.92039E-05	0.000248408	0.0004769	0.003747987
2041 Jun	629.4754028	0.977532685	1.255054712	0.043269403	366.3095703	0.101200379	79.78043365	0.00065732	0.00065732	6.24164E-06	0.00960023	0.002946284	0.156616986	0.011607999	5.27137E-06	24.37754631	4.57149E-05	0.000229005	0.000364554	0.002863697
2041 Jul	819.0681763	1.278102517	1.652902961	0.056872904	481.9565735	0.137573451	105.010582	0.000656816	0.000656816	7.18253E-06	0.009667527	0.003786542	0.203118801	0.013100048	5.90248E-06	29.58423996	4.69871E-05	0.000199826	0.000443298	0.00374716
2041 Aug	1118.318359	1.768861175	2.281210661	0.078122437	663.4040527	0.176195949	144.0442352	0.000456897	0.000456897	7.67039E-06	0.010960289	0.004765234	0.277849436	0.012496417	5.90195E-06	36.79067993	6.00688E-05	0.000233908	0.000567382	0.004812029
2041 Sep	1129.458984	1.802954197	2.299329996	0.078710102	669.557373	0.177524075	145.5095673	0.000420409	0.000420409	7.53124E-06	0.011525791	0.004764164	0.280590892	0.012738575	5.74859E-06	37.68008041	6.19749E-05	0.000250645	0.000573557	0.004842934
2041 Oct	814.4086304	1.317531824	1.625237823	0.055893455	477.1639099	0.139464244	104.5179901	0.000604013	0.000604013	6.85425E-06	0.011146787	0.003710491	0.201637059	0.01459623	5.59531E-06	31.78507805	4.97077E-05	0.000240552	0.00044905	0.003752369
2041 Nov	773.4591064	1.253003001	1.538502693	0.052953038	452.2975464	0.134309679	99.19119263	0.000622874	0.000622874	6.74334E-06	0.010994726	0.003568833	0.191438764	0.014703008	5.55178E-06	30.90468788	4.78468E-05	0.000237965	0.000431767	0.003602877
2041 Dec	768.7901001	1.245643497	1.528552294	0.052616239	449.451416	0.133746997	98.58273315	0.000625697	0.000625697	6.7339E-06	0.010981733	0.003553293	0.190276325	0.014725686	5.55008E-06	30.81329155	4.76393E-05	0.000237794	0.000429858	0.003586292
2042 Jan	766.3157349	1.241552353	1.523054123	0.052428432	447.897583	0.13339296	98.2536087	0.000627166	0.000627166	6.72812E-06	0.010969885	0.003546931	0.189620465	0.014815526	5.54861E-06	30.82011795	4.75292E-05	0.000238392	0.000430308	0.003578245
2042 Feb	765.1291504	1.239425421	1.520215392	0.052330088	447.1117249	0.133176535	98.08987427	0.000627903	0.000627903	6.72493E-06	0.010960326	0.003545567	0.189271137	0.014927551	5.54767E-06	30.87249184	4.7477E-05	0.000239291	0.000431809	0.00357508
2042 Mar	764.7470093	1.238694906	1.519194365	0.052294601	446.8381042	0.133104637	98.03456116	0.000628519	0.000628519	6.72551E-06	0.010958897	0.003546046	0.189146236	0.014993639	5.54908E-06	30.91161346	4.74649E-05	0.000239863	0.000432773	0.003574588
2042 Apr	767.2706909	1.242719054	1.524058461	0.052461836	448.2839966	0.133540809	98.35447693	0.000631124	0.000631124	6.74995E-06	0.010997368	0.003559031	0.1897531	0.015085047	5.56977E-06	31.04471779	4.76282E-05	0.000241048	0.000434875	0.003587122
2042 May	725.3330078	1.160659671	1.424622416	0.049004313	420.3311768	0.123927601	92.43460846	0.000660465	0.000660465	6.65485E-06	0.010595106	0.003510669	0.177327678	0.019109443	5.55406E-06	32.83388138	4.64991E-05	0.00027778	0.000495194	0.003457416
2042 Jun	615.5338745	0.953552067	1.21914649	0.042048994	356.6122437	0.099518172	77.81526947	0.000692324	0.000692324	6.3296E-06	0.00972935	0.002952602	0.152478784	0.013334648	5.38791E-06	25.34080887	4.55931E-05	0.000244601	0.000384721	0.002846783
2042 Jul	747.1287231	1.164934516	1.506420135	0.051846649	439.2928467	0.125527233	95.72102356	0.000617992	0.000617992	6.64254E-06	0.008986872	0.003464618	0.185321897	0.012125403	5.47606E-06	27.13748932	4.34681E-05	0.00018721	0.000405935	0.003423265
2042 Aug	683.8514404	1.074998856	1.358880281	0.046839997	399.3301392	0.122618295	87.3306427	0.0006595	0.0006595	6.5E-06	0.008812809	0.003246942	0.171042338	0.013469365	5.44847E-06	27.88407707	3.74937E-05	0.000227916	0.000376152	0.003151333
2042 Sep	770.1008911	1.233267546	1.536841512	0.052870858	451.1004639	0.133061707	98.69386292	0.000602983	0.000602983	6.63956E-06	0.010122131	0.003533278	0.191421151	0.013837035	5.44942E-06	30.18992615	4.50001E-05	0.000234209	0.000421269	0.003524386
2042 Oct	773.8041382	1.253140926	1.541531205	0.053035952	452.9144897	0.13345331	99.2718277	0.000598347	0.000598347	6.62815E-06	0.010814345	0.003547646	0.191545308	0.014305199	5.43415E-06	30.5796032	4.76019E-05	0.000233665	0.000429443	0.003585489
2042 Nov	763.4385986	1.236856222	1.519367337	0.052286316	446.5833435	0.132228538	97.92029572	0.000605269	0.000605269	6.6103E-06	0.010792495	0.003513755	0.188961789	0.014367818	5.43352E-06	30.38681221	4.71554E-05	0.000233405	0.00042529	0.003549311
2042 Dec	761.0264282	1.233054876	1.514220238	0.052112155	445.1117859	0.131940365	97.60585785	0.000606797	0.000606797	6.60575E-06	0.010786278	0.003505789	0.188361168	0.014380638	5.43297E-06	30.34051514	4.70489E-05	0.000233328	0.00042431	0.003540795
2043 Jan	759.7212524	1.230897307	1.511320353	0.052013114	444.2922363	0.131754175	97.43226624	0.000607582	0.000607582	6.60275E-06	0.010780096	0.003502436	0.188015386	0.014427869	5.43225E-06	30.34401512	4.69908E-05	0.000233643	0.000424544	0.003536554
2043 Feb	759.1087646	1.229797959	1.509850383	0.051962201	443.8857117	0.131642878	97.34764862	0.000607987	0.000607987	6.60122E-06	0.010775306	0.003501774	0.187834665	0.014486867	5.43189E-06	30.3719368	4.69642E-05	0.000234118	0.000425335	0.003534947
2043 Mar	758.8547974	1.229328156	1.509207964	0.051939912	443.7108459	0.131596074	97.31175995	0.000608273	0.000608273	6.60109E-06	0.01077383	0.003501782	0.187755913	0.014520563	5.43226E-06	30.39035988	4.69546E-05	0.000234402	0.000425811	0.003534443
2043 Apr	760.5257568	1.232001781	1.51245296	0.052051485	444.672821	0.131884277	97.52415466	0.000609891	0.000609891	6.6168E-06	0.010798768	0.003510165	0.188160285	0.014574517	5.44548E-06	30.47358131	4.70614E-05	0.000235125	0.000427101	0.003542613
2043 May	726.562439	1.164626122	1.4295789	0.049181648	421.3005676	0.125616208	93.67913055	0.00063352	0.00063352	6.57641E-06	0.010558468	0.00348819	0.180042207	0.017452167	5.45714E-06	31.83324623	4.64211E-05	0.0002617	0.000470667	0.003463666
2043 Jun	501.740448	0.74516964	0.924021184	0.031807315	275.5809631	0.086721428	67.58161163	0.000722387	0.000722387	6.01323E-06	0.00892549	0.002983317	0.128519341	0.025008464	5.22477E-06	32.18007278	4.07265E-05	0.000332195	0.000554437	0.002734476
2043 Jul	557.8466797	0.834269106	1.047433496	0.036039345	310.1365356	0.096805573	76.33328247	0.000688375	0.000688375	6.19499E-06	0.009169349	0.003150115	0.146042615	0.022207178	5.29101E-06	31.63158607	4.31724E-05	0.000308822	0.000533778	0.002949513
2043 Aug	601.1237793	0.903700471	1.138981581	0.039164688	336.2869568	0.10479299	82.90675354	0.000664092	0.000664092	6.32941E-06	0.009324736	0.003300969	0.158947527	0.021098902	5.34143E-06	32.04974365	4.45895E-05	0.000300771	0.000533268	0.003125657
2043 Sep	635.2174072	0.959655464	1.211319327	0.04163301	356.965332	0.111181371	88.12325287	0.000639969	0.000639969	6.41193E-06	0.009453232	0.003412667	0.169221729	0.020074058	5.35725E-06	32.30181503	4.56719E-05	0.000293621	0.000530166	0.003261203
2043 Oct	626.9692993	0.951470077	1.19490397	0.041093122	352.3356934	0.1112592	87.11306763	0.000642902	0.000642902	6.38729E-06	0.009517989	0.003370285	0.167377606	0.019567512	5.34552E-06	31.79374695	4.51295E-05	0.000286901	0.000514033	0.003233577
2043 Nov	608.8967285	0.926930726	1.157905936	0.039852332	341.8034973	0.109645769	84.61890411	0.00065259	0.00065259	6.33919E-06	0.009519489	0.0032942	0.162673831	0.019262165	5.32912E-06	31.15579033	4.41258E-05	0.0002815	0.000496919	0.00316492
2043 Dec	608.6206055	0.926529467	1.157330155	0.039832972	341.6398621	0.109615728	84.57945251	0.000652814	0.000652814	6.33877E-06	0.009519406	0.003293164	0.162598968	0.019261995	5.32921E-06	31.14896393	4.4112E-05	0.000281469	0.000496742	0.003163883
2044 Jan	608.5115356	0.926360309	1.157089472	0.039824776	341.5726013	0.109600559	84.56336975	0.000652902	0.000652902	6.33856E-06	0.009519087	0.003292864	0.162566811	0.019266577	5.32921E-06	31.14955902	4.41064E-05	0.000281498	0.000496759	0.003163517
2044 Feb	608.4934082	0.926321983	1.157027245	0.039822593	341.5572205	0.109596595	84.55995941	0.000652982	0.000652982	6.33879E-06	0.009519235	0.003293006	0.162558243	0.019274041	5.32949E-06	31.154562	4.41063E-05	0.000281564	0.000496872	0.003163559
2044 Mar	608.5397949	0.926386774	1.15710032	0.039825093	341.5804443	0.109604575	84.56593323	0.000653086	0.000653086	6.33949E-06	0.009520194	0.003293386	0.162568614	0.019279864	5.33014E-06	31.16015053	4.41102E-05	0.000281626	0.000496979	0.003163873
2044 Apr	608.711731	0.926645219	1.157418847	0.039836038	341.675354	0.109635323	84.5895462	0.000653301	0.000653301	6.34141E-06	0.009523015	0.003294388	0.162613407	0.01928773	5.33178E-06	31.17073441	4.4123E-05	0.000281728	0.000497158	0.003164808
2044 May	609.8651123	0.928255737	1.159407496	0.039904006	342.2740479	0.109845944	84.76818085	0.000654769	0.000654769	6.35506E-06	0.009542687	0.003302295	0.162945613	0.019363182	5.34336E-06	31.26198387	4.42231E-05	0.000282653	0.00049886	0.003171963
2044 Jun	409.0976257	0.60530591	0.759228885	0.026400648	225.723877	0.081159838	58.0824852	0.000758954	0.000758954	5.87913E-06	0.007490788	0.0023133	0.111447178	0.014998717	5.19474E-06	22.85526848	3.27832E-05	0.00022545	0.00035224	0.002369403
2044 Jul	235.2152405	0.333213776	0.41898632	0.014948013	127.1467209	0.056645062	33.65006638	0.000867621	0.000867621	5.50079E-06	0.00527213	0.001369803	0.063463718	0.011026249	5.11903E-06	15.18903351	2.0429E-05	0.000165929	0.00021557	0.001667994
2044 Aug	153.378891	0.205423966	0.257903039	0.009524509	80.78562164	0.044902809	21.8843441	0.000922629	0.000922629	5.32534E-06	0.004289237	0.000925023	0.04041395	0.009570129	5.0915E-06	11.84062672	1.4403E-05	0.000124176	0.000161863	0.001312294
2044 Sep	125.4007339	0.161172047	0.2018345	0.007634948	64.79480743	0.040968329	17.97933006	0.000937669	0.000937669	5.24789E-06	0.003978993	0.000767426	0.032847565	0.00907314	5.06416E-06	10.72666454	1.2236E-05	9.41698E-05	0.000147992	0.001177764
2044 Oct	115.860466	0.146184713	0.182516322	0.006983897	59.30373001	0.039610397	16.6193924	0.000943037	0.000943037	5.22154E-06	0.003874723	0.000713153	0.03017444	0.008928432	5.05528E-06	10.3681345	1.15324E-05	8.46289E-05	0.000143011	0.001137346
2044 Nov	116.1732864	0.146722853	0.183087856	0.007003287	59.47262192	0.039678037	16.66874504	0.000942903	0.000942903	5.22269E-06	0.00388217	0.000715294	0.030272758	0.0089372	5.05583E-06	10.38527012	1.15591E-05	8.47971E-05	0.000143203	0.00113896
2044 Dec	116.1739197	0.146724865	0.183086962	0.007003273	59.47261429	0.039678946	16.66877937	0.000942923	0.000942923	5.22279E-06	0.003882362	0.000715318	0.030272882	0.008937581	5.05593E-06	10.38561153	1.15594E-05	8.48017E-05	0.000143206	0.001138979
2045 Jan	116.1735306	0.146724507	0.183084711	0.007003192	59.47210693	0.039678894	16.66866302	0.000942924	0.000942924	5.22279E-06	0.003882413	0.000715332	0.030272603	0.008937987	5.05593E-06	10.38590717	1.15594E-05	8.48059E-05	0.000143211	0.001138982
2045 Feb	116.1737823	0.146724433	0.183083758	0.007003152	59.4719696	0.039678767	16.66864014	0.000942925	0.000942925	5.22279E-06	0.003882429	0.000715347	0.03027245	0.008938443	5.05593E-06	10.38624763	1.15595E-05	8.48103E-05	0.000143219	0.001138988
2045 Mar	116.1784973	0.146730185	0.183090463	0.007003407	59.47423935	0.039680269	16.66928673	0.000942962	0.000942962	5.22299E-06	0.003882591	0.000715384	0.030273562	0.008939045	5.05613E-06	10.38684273	1.156E-05	8.48161E-05	0.000143228	0.001139036
2045 Apr	116.1950455	0.146750957	0.183116123	0.007004387	59.48263168	0.039685857	16.6716423	0.000943096	0.000943096	5.22373E-06	0.003883146	0.00071549	0.030277805	0.008940454	5.05685E-06	10.38842106	1.15617E-05	8.48295E-05	0.000143251	0.001139199
2045 May	116.3017731	0.146885693	0.183284134	0.007010813	59.53722763	0.039722282	16.68694687	0.000943962	0.000943962	5.22853E-06	0.003886715	0.000716149	0.030305587	0.008948727	5.06149E-06	10.39800739	1.15723E-05	8.4908E-05	0.000143384	0.001140246
2045 Jun	116.5488739	0.146672428	0.18336682	0.007011545	59.44419861	0.039800681	16.88735771	0.00094124	0.00094124	5.22469E-06	0.003938873	0.000728014	0.03080488	0.008888118	5.05444E-06	10.39186573	1.18904E-05	8.88456E-05	0.000142032	0.001144917
2045 Jul	107.9931641	0.133198321	0.166656405	0.006448889	54.52626038	0.038644597	15.72960281	0.0009469	0.0009469	5.21095E-06	0.00383245	0.000687626	0.028523952	0.008678721	5.05451E-06	10.01262093	1.13978E-05	9.23794E-05	0.000133376	0.001118187
2045 Aug	96.60027313	0.115485117	0.144373715	0.005699506	48.11836624	0.03702544	14.07462406	0.000955833	0.000955833	5.1921E-06	0.003684493	0.000625033	0.02525647	0.008488872	5.05652E-06	9.549030304	1.05112E-05	8.73982E-05	0.000125959	0.001068801
2045 Sep	89.11991882	0.103577197	0.129294544	0.005191239	43.84742355	0.035932209	13.01138496	0.000960362	0.000960362	5.17254E-06	0.00360115	0.000581598	0.023186557	0.008390033	5.05081E-06	9.271067619	9.90825E-06	7.7631E-05	0.000123428	0.001030834
2045 Oct	85.51885986	0.097845145	0.122017369	0.004946144	41.79011917	0.035380043	12.47285175	0.00096294	0.00096294	5.16417E-06	0.003556914	0.000559879	0.022120083	0.008349465	5.04942E-06	9.141083717	9.62478E-06	7.34714E-05	0.00012194	0.001015084
2045 Nov	85.5290451	0.097857617	0.122030869	0.004946703	41.79491425	0.035384618	12.47430325	0.000963061	0.000963061	5.16482E-06	0.003557434	0.000559957	0.022122694	0.008350645	5.05006E-06	9.142331123	9.62606E-06	7.34825E-05	0.000121955	0.001015211
2045 Dec	85.53105927	0.097860366	0.122033186	0.004946804	41.79580307	0.03538565	12.4745779	0.000963087	0.000963087	5.16496E-06	0.003557571	0.000559977	0.022123203	0.008350942	5.05019E-06	9.142632484	9.62637E-06	7.34855E-05	0.000121958	0.001015238
2046 Jan	85.53144073	0.097860895	0.122033246	0.004946807	41.79589844	0.03538581	12.47461224	0.000963091	0.000963091	5.16498E-06	0.003557604	0.000559985	0.022123244	0.008351115	5.05021E-06	9.142776489	9.62644E-06	7.34873E-05	0.000121961	0.001015244

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2046 Feb	85.53205109	0.097861499	0.12203373	0.004946826	41.79611588	0.035385966	12.4746809	0.000963097	0.000963097	5.16501E-06	0.003557629	0.000559993	0.022123331	0.008351311	5.05024E-06	9.142939568	9.62652E-06	7.34892E-05	0.000121964	0.001015251
2046 Mar	85.53705597	0.097867183	0.122040652	0.004947105	41.79851532	0.035387985	12.47539902	0.000963152	0.000963152	5.1653E-06	0.003557837	0.000560028	0.022124585	0.008351875	5.05053E-06	9.143528938	9.62709E-06	7.34942E-05	0.000121972	0.001015311
2046 Apr	85.55826569	0.097891428	0.122070789	0.004948327	41.80885696	0.035396732	12.47848797	0.000963391	0.000963391	5.16658E-06	0.00355872	0.000560168	0.02213005	0.008353989	5.05178E-06	9.145827293	9.62948E-06	7.35128E-05	0.000122003	0.001015563
2046 May	85.68596649	0.098047957	0.122258849	0.004955214	41.86954117	0.035433792	12.49918079	0.000964107	0.000964107	5.17083E-06	0.003562658	0.000561187	0.022167742	0.008366784	5.05581E-06	9.159765244	9.64372E-06	7.36505E-05	0.000122235	0.001016742
2046 Jun	86.83729553	0.099338286	0.123966977	0.005009227	42.29043961	0.035618778	12.80313778	0.000960297	0.000960297	5.16465E-06	0.003618478	0.000577882	0.022840632	0.008393366	5.0454E-06	9.239117622	9.96488E-06	7.70555E-05	0.000122984	0.001024195
2046 Jul	85.28252411	0.096647911	0.120761029	0.004899248	41.2811203	0.035492107	12.71816063	0.000958708	0.000958708	5.15514E-06	0.003602573	0.000576085	0.022684904	0.00831013	5.03641E-06	9.158135414	9.97162E-06	8.06471E-05	0.000120238	0.001024098
2046 Aug	80.27431488	0.088934638	0.111025184	0.004572658	38.48960495	0.034797508	11.97270679	0.00096361	0.00096361	5.1509E-06	0.003534876	0.000548118	0.021204734	0.008234563	5.04161E-06	8.956703186	9.55771E-06	7.87083E-05	0.000116939	0.001002526
2046 Sep	77.05541992	0.083812363	0.104415998	0.004349386	36.63399887	0.034358483	11.53539848	0.000964856	0.000964856	5.1394E-06	0.003499629	0.00052945	0.020356912	0.008197526	5.03593E-06	8.846226692	9.27489E-06	7.327E-05	0.000116299	0.000985246
2046 Oct	75.64083862	0.081617922	0.101426773	0.004248291	35.8023262	0.034168787	11.33802223	0.000965254	0.000965254	5.13335E-06	0.003485624	0.000521175	0.01996379	0.008188401	5.03253E-06	8.805256844	9.16045E-06	7.09444E-05	0.000115942	0.000979326
2046 Nov	75.7339859	0.081769988	0.10158319	0.004253582	35.84869766	0.034192588	11.35599136	0.000965201	0.000965201	5.13376E-06	0.003488138	0.000521934	0.019999443	0.008191439	5.03271E-06	8.811322212	9.1699E-06	7.10029E-05	0.000116014	0.000979906
2046 Dec	75.73535156	0.081771962	0.101584464	0.004253642	35.84924316	0.034193397	11.35617447	0.000965222	0.000965222	5.13386E-06	0.003488254	0.00052195	0.019999787	0.00819169	5.03281E-06	8.81156826	9.170115E-06	7.10055E-05	0.000116017	0.000979927
2047 Jan	75.7355957	0.08177235	0.101584315	0.004253637	35.84926605	0.034193486	11.35618591	0.000965224	0.000965224	5.13388E-06	0.003488283	0.000521958	0.019999787	0.008191856	5.03283E-06	8.811700821	9.17021E-06	7.10072E-05	0.000116019	0.000979931
2047 Feb	75.73617554	0.081772901	0.101584703	0.004253651	35.8494606	0.034193635	11.35624981	0.00096523	0.00096523	5.1339E-06	0.003488307	0.000521966	0.019999862	0.00819206	5.03285E-06	8.811869621	9.17028E-06	7.10092E-05	0.000116022	0.000979938
2047 Mar	75.74220276	0.081779361	0.101592571	0.004253981	35.85226822	0.034196291	11.35714054	0.000965305	0.000965305	5.13431E-06	0.003488584	0.00052201	0.020001411	0.008192788	5.03325E-06	8.812625885	9.17102E-06	7.10156E-05	0.000116033	0.000980016
2047 Apr	75.74970245	0.081787445	0.10160251	0.004254396	35.85579681	0.034199644	11.35825825	0.0009654	0.0009654	5.13481E-06	0.003488929	0.000522063	0.020003369	0.008193644	5.03374E-06	8.813529968	9.17193E-06	7.10231E-05	0.000116045	0.000980114
2047 May	75.98775482	0.082067214	0.10188961	0.004263604	35.94956589	0.034237105	11.39999104	0.000965569	0.000965569	5.13703E-06	0.003495937	0.000525063	0.02007875	0.008237123	5.03551E-06	8.854450226	9.20589E-06	7.15419E-05	0.000116868	0.000981975
2047 Jun	77.26193237	0.083475746	0.103349172	0.004306885	36.3915863	0.034421787	11.69475365	0.000962697	0.000962697	5.13348E-06	0.003527896	0.000543694	0.020625124	0.008448418	5.02841E-06	9.068810463	9.42315E-06	7.54049E-05	0.000121046	0.00099282
2047 Jul	74.79374695	0.079737864	0.09868826	0.004151786	35.02939606	0.034103952	11.31701946	0.000966338	0.000966338	5.13777E-06	0.003489594	0.000530304	0.019858297	0.008391616	5.03727E-06	8.954704285	9.243E-06	7.71948E-05	0.000118127	0.000986403
2047 Aug	71.71913147	0.075037874	0.092795566	0.003955002	33.33824539	0.033679783	10.84607887	0.000970082	0.000970082	5.13836E-06	0.003448529	0.000512356	0.018926485	0.00833434	5.04381E-06	8.820432663	8.98592E-06	7.60232E-05	0.00011583	0.000972933
2047 Sep	69.47605133	0.071490631	0.088264026	0.003802172	32.06301498	0.033359922	10.52983952	0.00097103	0.00097103	5.13036E-06	0.003424153	0.000498702	0.018318884	0.008298117	5.04E-06	8.733239174	8.78741E-06	7.20361E-05	0.000115212	0.000960232
2047 Oct	68.48487091	0.069958709	0.086203784	0.003732447	31.48755074	0.033218335	10.38865948	0.000971138	0.000971138	5.12521E-06	0.003413532	0.000492555	0.018040109	0.008284898	5.03671E-06	8.698721886	8.70542E-06	7.02653E-05	0.000114876	0.000955764
2047 Nov	68.56280518	0.070088059	0.086326979	0.003736568	31.52411079	0.033240139	10.40533257	0.000971037	0.000971037	5.12533E-06	0.003415999	0.000493289	0.018073514	0.008287723	5.03663E-06	8.704403877	8.71441E-06	7.03233E-05	0.00011494	0.000956277
2047 Dec	68.5639801	0.070089683	0.086328045	0.003736619	31.52457619	0.033240847	10.40549183	0.000971056	0.000971056	5.12542E-06	0.003416099	0.000493303	0.01807381	0.008287943	5.03672E-06	8.704619408	8.71461E-06	7.03255E-05	0.000114942	0.000956295
2048 Jan	68.5645752	0.070090406	0.086328439	0.003736637	31.52478027	0.033241116	10.40556145	0.000971064	0.000971064	5.12546E-06	0.003416141	0.000493312	0.018073916	0.008288124	5.03676E-06	8.70477581	8.71471E-06	7.03273E-05	0.000114944	0.000956304
2048 Feb	68.56561279	0.070091434	0.086329445	0.00373668	31.52519417	0.033241514	10.40570068	0.000971076	0.000971076	5.12553E-06	0.00341619	0.000493323	0.018074127	0.008288361	5.03683E-06	8.704987526	8.71485E-06	7.03295E-05	0.000114948	0.000956318
2048 Mar	68.5658493	0.07009165	0.086329594	0.003736685	31.52527237	0.033241577	10.40572643	0.000971078	0.000971078	5.12554E-06	0.003416201	0.000493326	0.018074155	0.008288451	5.03684E-06	8.705060959	8.71488E-06	7.03303E-05	0.00011495	0.000956321
2048 Apr	68.578125	0.070104688	0.086345367	0.003737333	31.53084946	0.033246849	10.4077282	0.000971218	0.000971218	5.12629E-06	0.003416731	0.000493421	0.018077666	0.008289913	5.03757E-06	8.70661068	8.71638E-06	7.03435E-05	0.000114972	0.000956478
2048 May	68.62236786	0.070150129	0.086401157	0.003739732	31.55115318	0.033267986	10.41450119	0.000971829	0.000971829	5.12953E-06	0.0034189	0.000493743	0.01808944	0.008295269	5.04075E-06	8.712236404	8.72198E-06	7.03893E-05	0.000115047	0.000957088
2048 Jun	68.83625793	0.070248842	0.086575523	0.003743592	31.55745506	0.033309769	10.52243137	0.000969574	0.000969574	5.12316E-06	0.003442534	0.000500143	0.018345948	0.00828682	5.03277E-06	8.727163315	8.86016E-06	7.18921E-05	0.000114928	0.00095904
2048 Jul	67.81175232	0.068552889	0.084510535	0.003673109	30.91606331	0.033192154	10.42527199	0.000969152	0.000969152	5.11827E-06	0.003436812	0.000498475	0.018170441	0.008247918	5.02879E-06	8.67920208	8.86273E-06	7.40294E-05	0.000113299	0.000957676
2048 Aug	65.88819122	0.065608747	0.08081267	0.003549453	29.85440063	0.032944199	10.13934803	0.00097127	0.00097127	5.11786E-06	0.003409327	0.000487627	0.017604103	0.008211885	5.03199E-06	8.596440315	8.69181E-06	7.33437E-05	0.000111851	0.000949346
2048 Sep	64.23419952	0.063010968	0.077494606	0.003437702	28.92499733	0.032697871	9.894701004	0.000972212	0.000972212	5.11266E-06	0.003390417	0.000477105	0.017130656	0.00818943	5.03005E-06	8.533018112	8.53841E-06	7.02838E-05	0.000111477	0.000939718
2048 Oct	63.49092865	0.061866913	0.075961165	0.00338578	28.49803925	0.032585226	9.784599304	0.00097229	0.00097229	5.1086E-06	0.003381441	0.000472262	0.016911803	0.00818043	5.02745E-06	8.506953239	8.47296E-06	6.88855E-05	0.000111256	0.000936247
2048 Nov	63.52640533	0.061936524	0.076004133	0.003387226	28.51197433	0.032599255	9.792499542	0.000972263	0.000972263	5.10874E-06	0.003383684	0.000472762	0.016928291	0.00818367	5.0275E-06	8.511364937	8.47889E-06	6.89402E-05	0.000111294	0.000936539
2048 Dec	63.52730179	0.061937783	0.076004848	0.003387263	28.51231384	0.032599829	9.792620659	0.000972278	0.000972278	5.10882E-06	0.003383768	0.000472773	0.016928518	0.008183852	5.02758E-06	8.511541367	8.47906E-06	6.8942E-05	0.000111296	0.000936553
2049 Jan	63.52756119	0.061938152	0.07600487	0.003387264	28.51237297	0.032599937	9.792642593	0.000972281	0.000972281	5.10883E-06	0.003383792	0.000472779	0.016928541	0.008183978	5.02759E-06	8.511645317	8.47911E-06	6.89433E-05	0.000111298	0.000936557
2049 Feb	63.52784348	0.061938409	0.076004975	0.003387268	28.51245117	0.032599982	9.792668343	0.000972283	0.000972283	5.10884E-06	0.003383803	0.000472784	0.016928561	0.00818411	5.0276E-06	8.511751175	8.47915E-06	6.89446E-05	0.0001113	0.000936561
2049 Mar	63.52962494	0.061940134	0.076006964	0.003387356	28.51322365	0.032600846	9.792933464	0.000972309	0.000972309	5.10898E-06	0.003383897	0.000472799	0.016929004	0.008184391	5.02774E-06	8.512025833	8.47939E-06	6.8947E-05	0.000111304	0.000936587
2049 Apr	63.53847504	0.061948754	0.076017492	0.003387824	28.5171814	0.032605361	9.794293404	0.000972444	0.000972444	5.10969E-06	0.003384367	0.000472866	0.016931346	0.008185561	5.02843E-06	8.513232231	8.48057E-06	6.89569E-05	0.00011132	0.000936718
2049 May	63.59168243	0.062003702	0.076082729	0.003390456	28.54013824	0.032627337	9.803778648	0.000972984	0.000972984	5.11267E-06	0.003386683	0.000473333	0.016948303	0.008192218	5.03132E-06	8.520321846	8.4877E-06	6.90221E-05	0.000111428	0.000937385
2049 Jun	63.57336044	0.061810911	0.075846866	0.003380331	28.43667221	0.032604743	9.849057198	0.000970954	0.000970954	5.1049E-06	0.00340555	0.000477951	0.017077249	0.008195167	5.02277E-06	8.532024384	8.5927E-06	7.03628E-05	0.000111363	0.000937615
2049 Jul	62.62812042	0.060327575	0.074023992	0.003318515	27.88166428	0.032484498	9.732934952	0.00097106	0.00097106	5.10161E-06	0.003393649	0.000474796	0.016849969	0.008164336	5.02074E-06	8.486319542	8.5577E-06	7.19248E-05	0.000109965	0.000935865
2049 Aug	61.06732559	0.057963245	0.071068496	0.003220926	27.04254341	0.032275014	9.472719193	0.000974308	0.000974308	5.10767E-06	0.003372663	0.000465058	0.016328394	0.00814461	5.03014E-06	8.421062469	8.41666E-06	7.14162E-05	0.000108837	0.000929271
2049 Sep	59.6961937	0.0558706	0.068368748	0.003129957	26.28789139	0.032052234	9.252946854	0.000975062	0.000975062	5.10257E-06	0.003356796	0.000455989	0.015902627	0.008128637	5.02795E-06	8.367373466	8.28504E-06	6.89103E-05	0.000108508	0.000920827
2049 Oct	59.04550552	0.05490835	0.067058563	0.003085534	25.92349815	0.0319428	9.145975113	0.000975087	0.000975087	5.09839E-06	0.003349044	0.000451642	0.015691407	0.008122639	5.02519E-06	8.344121933	8.22538E-06	6.77577E-05	0.000108289	0.000917475
2049 Nov	59.05879211	0.054934572	0.067071535	0.003085999	25.92816544	0.031949241	9.14893055	0.000975112	0.000975112	5.09862E-06	0.00335011	0.000451854	0.015697591	0.008124352	5.02538E-06	8.34620285	8.22796E-06	6.77834E-05	0.000108307	0.000917612
2049 Dec	59.0599823	0.054935988	0.06707263	0.003086052	25.92864227	0.031949963	9.149101257	0.000975133	0.000975133	5.09873E-06	0.003350204	0.000451866	0.015697896	0.008124564	5.02548E-06	8.346412659	8.22816E-06	6.77854E-05	0.000108309	0.000917631
2050 Jan	59.06039047	0.054936469	0.067072883	0.003086065	25.9287796	0.031950157	9.149150848	0.000975138	0.000975138	5.09875E-06	0.003350234	0.000451872	0.015697971	0.008124689	5.02551E-06	8.346521378	8.22823E-06	6.77867E-05	0.000108311	0.000917637
2050 Feb	59.06064224	0.054936688	0.067073002	0.003086069	25.92885399	0.031950209	9.14917469	0.000975141	0.000975141	5.09877E-06	0.003350245	0.000451876	0.015697995	0.008124795	5.02552E-06	8.346607208	8.22827E-06	6.77877E-05	0.000108312	0.000917641
2050 Mar	59.0610466	0.054937065	0.067073368	0.003086085	25.9290123	0.031950388	9.149230957	0.000975146	0.000975146	5.0988E-06	0.003350266	0.000451881	0.015698079	0.008124889	5.02555E-06	8.346692085	8.22832E-06	6.77885E-05	0.000108314	0.000917647
2050 Apr	59.06784821	0.05494339	0.067081042	0.003086438	25.93198776	0.031954046	9.150280952	0.000975258	0.000975258	5.09938E-06	0.003350651	0.000451933	0.015699875	0.008125847	5.02613E-06	8.347668648	8.22927E-06	6.77966E-05	0.000108327	0.000917752
2050 May	59.10150909	0.054974478	0.067117088	0.003088075	25.94616699	0.031971063	9.155410767	0.00097578	0.00097578	5.10211E-06	0.003352568	0.000452229	0.015708605	0.008131302	5.02882E-06	8.353018761	8.23421E-06	6.78456E-05	0.000108403	0.000918263
2050 Jun	58.78805542	0.054453168	0.066406384	0.003062295	25.72503281	0.031865679	9.102999687	0.000974744	0.000974744	5.09525E-06	0.003361454	0.000453739	0.015628954	0.008155512	5.02251E-06	8.362240791	8.2763E-06	6.89988E-05	0.000108444	0.000916494
2050 Jul	57.77970123	0.052983988	0.064585008	0.003000073	25.17175293	0.031687506	8.942486763	0.000974349	0.000974349	5.08775E-06	0.003346443	0.000449309	0.015318367	0.008125052	5.01683E-06	8.308218002	8.2183E-06	7.02389E-05	0.00010701	0.000912814
2050 Aug	56.80031586	0.051517203	0.062758572	0.002939897	24.65034294	0.031560015	8.775951385	0.000976489	0.000976489	5.09202E-06	0.003331635	0.000443264	0.014981437	0.008111186	5.02321E-06	8.265468597	8.12718E-06	7.02641E-05	0.000106139	0.000909171
2050 Sep	56.74185181	0.051443823	0.062605947	0.002934801	24.61046791	0.031564817	8.768578529	0.00097659	0.00097659	5.09217E-06	0.003333827	0.000443385	0.014971053	0.008115768	5.02347E-06	8.268353462	8.12368E-06	7.01878E-05	0.000106169	0.00090881
2050 Oct	56.765728	0.051479582	0.062625915	0.002935731	24.61915779	0.031579249	8.772688866	0.000976893	0.000976893	5.09379E-06	0.003335922	0.000443706	0.014979041	0.008120006	5.02506E-06	8.272743225	8.12827E-06	7.02356E-05	0.000106213	0.000909168
2050 Nov	56.77438736	0.0514878	0.062635243	0.002936171	24.62286758	0.031584132	8.77402401	0.000977041	0.000977041	5.09456E-06	0.003336455	0.000443778	0.014981342	0.008121284	5.02582E-06	8.274040222	8.12954E-06	7.0247E-05	0.00010623	0.000909307
2050 Dec	56.77545547	0.051488943	0.062636271	0.002936222	24.62330437	0.031584769	8.774181366	0.00097706	0.00097706	5.09466E-06	0.003336532	0.000443788	0.014981617	0.008121463	5.02592E-06	8.274217606	8.12972E-06	7.02486E-05	0.000106232	0.000909324
2051 Jan	56.77584457	0.051489353	0.062636591	0.002936237	24.62345123	0.031584967	8.774233818	0.000977066	0.000977066	5.09469E-06	0.003336559	0.000443793	0.014981701	0.008121557	5.02595E-06	8.274303436	8.12978E-06	7.02495E-05	0.000106233	0.00090933
2051 Feb	56.77614212	0.051489625	0.062636837	0.002936247	24.62356186	0.03158509	8.774272919	0.00097707	0.00097707	5.09471E-06	0.003336574	0.000443796	0.014981757	0.008121639	5.02597E-06	8.274374962	8.12982E-06	7.02503E-05	0.000106234	0.000909335
2051 Mar	56.77728271	0.051490657	0.062638044	0.002936304	24.62404633	0.031585697	8.774445534	0.000977089	0.000977089	5.09481E-06	0.00333664	0.000443806	0.014982045	0.008121823	5.02606E-06	8.27455616	8.12999E-06	7.02519E-05	0.000106237	0.000909353
2051 Apr	56.78679276	0.051499277	0.062648505	0.002936794	24.62816429	0.031590972	8.775912285	0.000977252	0.000977252	5.09566E-06	0.003337198	0.000443881	0.014984546	0.008123196	5.0269E-06	8.275950432	8.13135E-06	7.02638E-05	0.000106255	0.000909505
2051 May	56.83048248	0.051536698	0.062681712	0.002938302	24.64344215	0.031608723	8.781581879	0.000977859	0.000977859	5.0988E-06	0.003339971	0.000444454	0.014993545	0.008135105	5.03001E-06	8.286346436	8.13927E-06	7.03852E-05	0.000106433	0.000910153
2051 Jun	56.77958679	0.051390648	0.062338382	0.002922612	24.53475189	0.031478275	8.759597778	0.000975127	0.000975127	5.08448E-06	0.003357309	0.000449418	0.014980039	0.008210533	5.0159E-06	8.339840889	8.22073E-06	7.1706E-05	0.000107601	0.000908178
2051 Jul	56.82751846	0.051400949	0.062359672	0.002923466	24.53820419	0.031492792	8.771618843	0.000975386	0.000975386	5.08627E-06	0.003365825	0.000450907	0.015015488	0.008218796	5.01753E-06	8.34896183	8.25236E-06	7.19476E-05	0.000107691	0.000908568
2051 Aug	56.89863968	0.051479865	0.062415048	0.002925882	24.56018448	0.031540688	8.787240028	0.000976046	0.000976046	5.09007E-06	0.00337093	0.000452287	0.015050302	0.008231213	5.02117E-06	8.362392426	8.26054E-06	7.21031E-05	0.000107808	0.000909525
2051 Sep	56.90148926	0.051559638	0.06237616	0.002923871	24.54891777	0.03155027	8.79322052	0.000975205	0.000975205	5.08612E-06	0.003374678	0.000453275	0.015069243	0.008235417	5.01713E-06	8.368174553	8.26608E-06	7.22243E-05	0.0001078	0.00090933
2051 Oct	56.83213806	0.051672507	0.062197387	0.002916124	24.49548531	0.031537466	8.785634041	0.000973149	0.000973149	5.07564E-06	0.003381164	0.000454517	0.015067395	0.00824041	5.00672E-06	8.372987747	8.27292E-06	7.24055E-05	0.000107695	0.000908192
2051 Nov	56.83461761	0.051694762	0.062186766	0.002915769	24.49385452	0.031542704	8.78584671	0.000973153	0.000973153	5.07565E-06	0.003382716	0.000454745	0.015068847	0.008243036	5.00674E-06	8.375426292	8.27537E-06	7.24438E-05	0.000107706	0.000908253
2051 Dec	56.83561707	0.051695973	0.062187631	0.002915813	24.49424553	0.031543337	8.785988808	0.000973171	0.000973171	5.07574E-06	0.0033828	0.000454756	0.015069103	0.008243226	5.00683E-06	8.375613213	8.27555E-06	7.24457E-05	0.000107708	0.00090827
2052 Jan	56.8358078	0.051696245	0.062187638	0.002915814	24.4942894	0.031543408	8.78600502	0.000973173	0.000973173	5.07575E-06	0.003382818	0.00045476	0.015069121	0.008243318	5.00684E-06	8.375688553	8.27559E-06	7.24466E-05	0.000107709	0.000908273
2052 Feb	56.83646011	0.051696837	0.062188201	0.002915839	24.49453545	0.031543691	8.786092758	0.000973182	0.000973182	5.0758E-06	0.003382853	0.000454767	0.015069252	0.00824348	5.00688E-06	8.375831604	8.27568E-06	7.24481E-05	0.000107712	0.000908283
2052 Mar	56.83901978	0.051699162	0.062190913	0.002915966	24.49562263	0.031545069	8.786481857	0.000973225	0.000973225	5.07602E-06	0.003383003	0.000454789	0.015069908	0.008243889	5.0071E-06	8.376235008	8.27606E-06	7.24518E-05	0.000107717	0.000908323
2052 Apr	56.84441757	0.051704071	0.062196776	0.00291624	24.49793816	0.031548038	8.787311554	0.000973317	0.000973317	5.0765E-06	0.003383324	0.000454833	0.015071328	0.008244691	5.00758E-06	8.377045631	8.27684E-06	7.24589E-05	0.000107728	0.000908409
2052 May	56.8915062	0.051731907	0.062197868	0.002916264	24.50864983	0.031556092	8.792330742	0.000973678	0.000973678	5.07837E-06	0.003386458	0.000455815	0.015078345	0.008265775	5.00943E-06	8.394171715	8.28784E-06	7.26904E-05	0.000108067	0.000909001
2052 Jun	56.96538162	0.05168505	0.062009044	0.002908253	24.48972511	0.031521112	8.794177055	0.000973278	0.000973278	5.07626E-06	0.003398319	0.000459576	0.015086112	0.008336259	5.00735E-06	8.448389053	8.3378E-06	7.36359E-05	0.000109197	0.000909413
2052 Jul	57.04912186	0.05168372	0.06200115	0.002908849	24.51503372	0.031572159	8.811851501	0.000974288	0.000974288	5.08187E-06	0.003405628	0.000461233	0.015124621	0.008351034	5.01278E-06	8.462979317	8.35625E-06	7.38058E-05	0.000109356	0.000910665
2052 Aug	57.13271332	0.051720679	0.062027715	0.002910569	24.54583359	0.031621523	8.828886032	0.000975242	0.000975242	5.08716E-06	0.003410728	0.000462398	0.015158934	0.008363226	5.0179E-06	8.476215363	8.36702E-06	7.39382E-05	0.000109498	0.000911848
2052 Sep	57.16033936	0.051739044	0.061977122	0.002908806	24.55039215	0.03164148	8.836900711	0.000975148	0.000975148	5.08697E-06	0.003414011	0.0004632	0.015178643	0.008368867	5.01762E-06	8.483123779	8.37257E-06	7.40418E-05	0.000109536	0.000912107
2052 Oct	57.17444992	0.051764693	0.061954502	0.002908072	24.55251312	0.031652592	8.840275764	0.000975168	0.000975168	5.08717E-06	0.00341642	0.000463614	0.01518656	0.008372774	5.01778E-06	8.487303734	8.37731E-06	7.40999E-05	0.000109563	0.000912298
2052 Nov	57.18195724	0.051771894	0.061962076	0.002908434	24.55566025	0.03165685	8.841433525	0.000975295	0.000975295	5.08783E-06	0.003416907	0.000463681	0.015188581	0.008373934	5.01843E-06	8.488473892	8.37847E-06	7.41106E-05	0.000109577	0.000912418
2052 Dec	57.18298721	0.051773034	0.061963029	0.002908482	24.55607414	0.031657472	8.841584206	0.000975313	0.000975313	5.08792E-06	0.003416985	0.000463691	0.015188849	0.008374115	5.01852E-06	8.488652229	8.37864E-06	7.41124E-05	0.000109579	0.000912435

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2053 Jan	57.18338776	0.05177347	0.061963335	0.002908496	24.55622101	0.031657673	8.841637611	0.000975319	0.000975319	5.08795E-06	0.003417013	0.000463696	0.015188933	0.008374218	5.01855E-06	8.488744736	8.37871E-06	7.41134E-05	0.000109581	0.000912441
2053 Feb	57.18438339	0.051774364	0.061964311	0.002908541	24.55662537	0.031658173	8.84178257	0.000975334	0.000975334	5.08803E-06	0.00341707	0.000463706	0.01518917	0.008374409	5.01863E-06	8.488924026	8.37885E-06	7.41151E-05	0.000109583	0.000912457
2053 Mar	57.18776703	0.051777426	0.061967921	0.00290871	24.55806732	0.031660017	8.842300415	0.000975391	0.000975391	5.08833E-06	0.003417271	0.000463734	0.015190053	0.008374929	5.01893E-06	8.489443779	8.37935E-06	7.41197E-05	0.00010959	0.000912511
2053 Apr	57.19814301	0.051786821	0.06197913	0.002909236	24.56251526	0.031665742	8.843902588	0.000975568	0.000975568	5.08925E-06	0.003417891	0.000463818	0.015192801	0.008376463	5.01984E-06	8.490994453	8.38087E-06	7.41333E-05	0.00010961	0.000912676
2053 May	57.27678299	0.051827088	0.061940402	0.002907332	24.57077789	0.031662825	8.848483086	0.000975888	0.000975888	5.09077E-06	0.003423872	0.000466069	0.015195721	0.00842766	5.02138E-06	8.530887604	8.40372E-06	7.47055E-05	0.000110442	0.000913566
2053 Jun	57.34425735	0.051722143	0.061586194	0.00289131	24.52249146	0.031566203	8.845468521	0.000973693	0.000973693	5.07947E-06	0.003434355	0.000471459	0.015189461	0.008536704	5.01019E-06	8.612504959	8.46048E-06	7.61067E-05	0.000112295	0.000913286
2053 Jul	57.44524384	0.051761042	0.061628919	0.00289382	24.55880928	0.031614628	8.864793777	0.000974975	0.000974975	5.08648E-06	0.003442088	0.000472734	0.015229296	0.008550351	5.017E-06	8.627279282	8.48463E-06	7.62967E-05	0.000112478	0.000914666
2053 Aug	57.57788849	0.051857766	0.061733991	0.002898987	24.61297035	0.031687941	8.888068199	0.000976897	0.000976897	5.09672E-06	0.003449851	0.000474059	0.015272206	0.008569211	5.02703E-06	8.647130013	8.50326E-06	7.64808E-05	0.000112722	0.000916659
2053 Sep	57.66034317	0.051922239	0.061802939	0.002902324	24.64703751	0.031732671	8.902381897	0.000978095	0.000978095	5.10309E-06	0.003454644	0.000474832	0.015298301	0.008580701	5.03328E-06	8.659313202	8.51507E-06	7.65941E-05	0.000112874	0.000917893
2053 Oct	57.68641663	0.05194319	0.061815299	0.002902988	24.65717506	0.031746443	8.907608986	0.000978379	0.000978379	5.10467E-06	0.003456311	0.000475121	0.015308162	0.008584135	5.0348E-06	8.663171768	8.51937E-06	7.66317E-05	0.000112919	0.000918259
2053 Nov	57.68938065	0.051948462	0.061807629	0.002902715	24.65741158	0.031748772	8.908516884	0.000978356	0.000978356	5.10458E-06	0.003456859	0.000475223	0.015310332	0.00858491	5.03471E-06	8.664070129	8.52047E-06	7.66449E-05	0.000112924	0.000918291
2053 Dec	57.68988037	0.051949192	0.061807957	0.002902734	24.65758896	0.031749118	8.908581734	0.000978365	0.000978365	5.10463E-06	0.003456912	0.00047523	0.015310458	0.008585025	5.03476E-06	8.664178848	8.52058E-06	7.66461E-05	0.000112925	0.0009183
2054 Jan	57.69013214	0.051949516	0.061808053	0.002902738	24.65766144	0.031749226	8.90860939	0.000978368	0.000978368	5.10465E-06	0.003456932	0.000475235	0.015310494	0.008585121	5.03477E-06	8.664260864	8.52062E-06	7.66471E-05	0.000112926	0.000918303
2054 Feb	57.69067383	0.05195	0.061808489	0.002902758	24.6578598	0.031749453	8.908679962	0.000978376	0.000978376	5.10468E-06	0.003456961	0.000475241	0.015310599	0.008585264	5.03481E-06	8.664385796	8.5207E-06	7.66485E-05	0.000112928	0.000918312
2054 Mar	57.69093704	0.051950235	0.061808698	0.002902767	24.65795708	0.031749558	8.908714294	0.000978379	0.000978379	5.1047E-06	0.003456976	0.000475245	0.015310649	0.008585338	5.03483E-06	8.664448738	8.52074E-06	7.66491E-05	0.000112929	0.000918315
2054 Apr	57.6999321	0.051958337	0.061818291	0.002903217	24.66179466	0.031754486	8.910099983	0.000978531	0.000978531	5.1055E-06	0.003457513	0.000475319	0.015313024	0.008586695	5.03561E-06	8.6658144	8.52207E-06	7.66613E-05	0.000112947	0.000918459
2054 May	57.74551773	0.051989783	0.061834428	0.002903956	24.67502213	0.031767704	8.915628433	0.000979015	0.000979015	5.10801E-06	0.003460453	0.00047609	0.015321446	0.00860285	5.03809E-06	8.679351807	8.53149E-06	7.68343E-05	0.000113201	0.00091908
2054 Jun	57.76602173	0.051843427	0.061483208	0.002888595	24.61629486	0.031674147	8.908273697	0.000976885	0.000976885	5.09703E-06	0.003470838	0.000480464	0.015315649	0.00868322	5.02722E-06	8.738675117	8.586E-06	7.79762E-05	0.000114546	0.000918281
2054 Jul	57.77413177	0.051743042	0.0613547	0.002883959	24.60267448	0.031676553	8.914588928	0.000976541	0.000976541	5.09567E-06	0.003476619	0.000481826	0.015340682	0.008687194	5.02574E-06	8.742704391	8.60654E-06	7.81378E-05	0.000114555	0.000918177
2054 Aug	57.84388351	0.051760882	0.06134231	0.002884052	24.62513733	0.031720996	8.930259705	0.000977124	0.000977124	5.09909E-06	0.00348125	0.000483071	0.015375266	0.008698102	5.029E-06	8.755094528	8.61443E-06	7.82837E-05	0.000114663	0.000919066
2054 Sep	57.88225937	0.051780432	0.061316676	0.002883384	24.63537979	0.031747684	8.939116478	0.000977344	0.000977344	5.10047E-06	0.003484624	0.000483895	0.015396369	0.008705175	5.03029E-06	8.763335228	8.61957E-06	7.8397E-05	0.000114719	0.000919511
2054 Oct	57.88252258	0.051799342	0.061262675	0.002881321	24.62998199	0.031752747	8.940983772	0.000977027	0.000977027	5.09895E-06	0.003486858	0.000484318	0.015402648	0.008707586	5.02875E-06	8.766183853	8.62334E-06	7.84513E-05	0.000114716	0.000919465
2054 Nov	57.88181305	0.051808007	0.061243489	0.0028806	24.62758636	0.031754769	8.941234589	0.000976931	0.000976931	5.09848E-06	0.003487771	0.000484473	0.015404121	0.008708721	5.02827E-06	8.767363548	8.62473E-06	7.84735E-05	0.000114715	0.000919449
2054 Dec	57.88322067	0.051809583	0.061244749	0.002880663	24.62814522	0.031755626	8.941438675	0.000976956	0.000976956	5.09861E-06	0.003487881	0.000484488	0.015404486	0.008708977	5.0284E-06	8.767615318	8.62498E-06	7.8476E-05	0.000114718	0.000919473
2055 Jan	57.88343811	0.051809881	0.061244782	0.002880665	24.62819862	0.031755708	8.941458702	0.000976958	0.000976958	5.09862E-06	0.0034879	0.000484492	0.01540451	0.008709076	5.02841E-06	8.767696381	8.62502E-06	7.8477E-05	0.000114719	0.000919476
2055 Feb	57.8836441	0.051810067	0.061244849	0.002880667	24.62825203	0.031755742	8.941476822	0.00097696	0.00097696	5.09863E-06	0.003487909	0.000484496	0.015404522	0.008709175	5.02842E-06	8.767775536	8.62505E-06	7.8478E-05	0.000114721	0.000919479
2055 Mar	57.88463211	0.05181095	0.061245818	0.002880712	24.62865639	0.031756245	8.941622734	0.000976975	0.000976975	5.09871E-06	0.003487966	0.000484506	0.015404763	0.008709361	5.0285E-06	8.767951965	8.6252E-06	7.84797E-05	0.000114724	0.000919494
2055 Apr	57.8920784	0.051817615	0.061253637	0.002881079	24.63181114	0.031760301	8.942768097	0.0009771	0.0009771	5.09936E-06	0.003488414	0.000484569	0.01540673	0.008710502	5.02914E-06	8.769094467	8.62631E-06	7.8495E-05	0.000114739	0.000919612
2055 May	57.92364883	0.051845875	0.061287027	0.002882649	24.64524078	0.031777613	8.94764328	0.000977633	0.000977633	5.10214E-06	0.003490316	0.000484833	0.015415127	0.008715262	5.03188E-06	8.773882866	8.63101E-06	7.85329E-05	0.000114801	0.000920114
2055 Jun	57.78071594	0.051522102	0.060878534	0.00286702	24.53437042	0.031681322	8.920485497	0.000975743	0.000975743	5.09217E-06	0.003505485	0.000486648	0.015407936	0.008711512	5.02209E-06	8.767002106	8.69682E-06	7.90387E-05	0.000114589	0.00091741
2055 Jul	57.8020134	0.051427919	0.060755648	0.002862884	24.52146339	0.031683791	8.926175117	0.000975845	0.000975845	5.09299E-06	0.003515456	0.000488249	0.015436033	0.008719278	5.0228E-06	8.774612427	8.73355E-06	7.93245E-05	0.000114638	0.000917437
2055 Aug	57.91122055	0.051497228	0.060828496	0.002866621	24.56477737	0.031745259	8.946121216	0.000977355	0.000977355	5.10111E-06	0.003521988	0.000489474	0.015473617	0.008735163	5.03073E-06	8.791251183	8.74892E-06	7.94799E-05	0.000114839	0.000919071
2055 Sep	57.9452858	0.051512148	0.060795683	0.002865603	24.57330704	0.031768434	8.954852104	0.000977439	0.000977439	5.10182E-06	0.003524971	0.000490248	0.015494408	0.008741003	5.03135E-06	8.798422813	8.7536E-06	7.95805E-05	0.000114884	0.000919429
2055 Oct	57.9667778	0.051534988	0.060796868	0.002865823	24.58054924	0.031781223	8.959233284	0.000977641	0.000977641	5.10296E-06	0.003526886	0.000490571	0.01550317	0.008744615	5.03244E-06	8.802364349	8.75797E-06	7.96248E-05	0.000114923	0.000919733
2055 Nov	57.97390366	0.051542819	0.060799304	0.00286598	24.58308411	0.031785518	8.960530281	0.000977729	0.000977729	5.10343E-06	0.003527505	0.000490669	0.015505693	0.008745869	5.03291E-06	8.803674698	8.75936E-06	7.96391E-05	0.000114937	0.00091984
2055 Dec	57.97489929	0.05154388	0.060799688	0.002866004	24.5834465	0.031786114	8.960712433	0.000977741	0.000977741	5.1035E-06	0.003527588	0.000490682	0.015506046	0.008746039	5.03297E-06	8.803854942	8.75955E-06	7.9641E-05	0.000114938	0.000919855
2056 Jan	57.97537231	0.051544435	0.060799945	0.002866016	24.58359909	0.03178633	8.960767746	0.000977748	0.000977748	5.10353E-06	0.003527624	0.000490689	0.01550613	0.008746192	5.033E-06	8.803985596	8.75964E-06	7.96426E-05	0.000114941	0.000919863
2056 Feb	57.97583389	0.051544841	0.060800239	0.002866029	24.58375168	0.031786483	8.960823059	0.000977753	0.000977753	5.10356E-06	0.003527647	0.000490696	0.015506199	0.008746346	5.03303E-06	8.804115295	8.7597E-06	7.9644E-05	0.000114943	0.000919869
2056 Mar	57.97717285	0.051546033	0.060801543	0.00286609	24.58429909	0.031787168	8.961021423	0.000977774	0.000977774	5.10367E-06	0.003527727	0.000490709	0.01550653	0.008746595	5.03314E-06	8.804351807	8.75991E-06	7.96463E-05	0.000114946	0.00091989
2056 Apr	57.9859848	0.051553868	0.060810726	0.002866522	24.58802223	0.031791966	8.962377548	0.000977922	0.000977922	5.10444E-06	0.003528261	0.000490784	0.015508869	0.00874795	5.0339E-06	8.805707932	8.76124E-06	7.96587E-05	0.000114964	0.00092003
2056 May	58.05149078	0.051592182	0.060798243	0.002865871	24.59904861	0.031796809	8.967472076	0.000978343	0.000978343	5.10654E-06	0.003532979	0.000492396	0.015514244	0.008784176	5.036E-06	8.834371567	8.77834E-06	8.00587E-05	0.000115548	0.000920827
2056 Jun	58.12173462	0.051502187	0.060472652	0.002851032	24.55643082	0.031706449	8.965368271	0.00097631	0.00097631	5.09606E-06	0.0035426	0.000497524	0.015508109	0.00888961	5.02563E-06	8.913388252	8.83119E-06	8.13948E-05	0.000117347	0.000920654
2056 Jul	58.23399734	0.051557146	0.060533635	0.002854449	24.59757423	0.03176672	8.985330582	0.000977942	0.000977942	5.1048E-06	0.003551139	0.000498976	0.015548072	0.008907139	5.03417E-06	8.931203842	8.85477E-06	8.1599E-05	0.000117564	0.000922326
2056 Aug	58.32509995	0.051597379	0.060566951	0.002856526	24.63122749	0.031820972	9.003475189	0.000979052	0.000979052	5.11089E-06	0.003556825	0.000500256	0.015584117	0.008921023	5.04009E-06	8.945798874	8.86694E-06	8.17399E-05	0.000117727	0.000923661
2056 Sep	58.39490128	0.051654693	0.060603697	0.002858503	24.65799904	0.031859886	9.016498566	0.000979918	0.000979918	5.11559E-06	0.003561539	0.000501068	0.015609061	0.008931412	5.04467E-06	8.957000732	8.87813E-06	8.1855E-05	0.000117855	0.000924669
2056 Oct	58.39465332	0.051667847	0.060548037	0.002856329	24.65283775	0.031863373	9.018957138	0.000979527	0.000979527	5.11374E-06	0.003563336	0.000501452	0.015616406	0.008932718	5.04279E-06	8.959028244	8.88127E-06	8.18973E-05	0.000117844	0.000924585
2056 Nov	58.39820862	0.051675353	0.06054008	0.002856059	24.6531601	0.031866461	9.0198946	0.000979519	0.000979519	5.11373E-06	0.00356404	0.000501573	0.015618682	0.008933771	5.04276E-06	8.96018219	8.8826E-06	8.19137E-05	0.00011785	0.000924632
2056 Dec	58.3991394	0.051676482	0.060540829	0.002856097	24.65351486	0.031867046	9.020026207	0.000979535	0.000979535	5.11381E-06	0.003564121	0.000501584	0.015618921	0.008933958	5.04285E-06	8.960361481	8.88277E-06	8.19156E-05	0.000117852	0.000924647
2057 Jan	58.39959717	0.051676989	0.060541119	0.002856111	24.65367126	0.031867266	9.020082474	0.000979542	0.000979542	5.11385E-06	0.003564154	0.00050159	0.015619011	0.008934089	5.04288E-06	8.960476875	8.88285E-06	8.19169E-05	0.000117854	0.000924655
2057 Feb	58.39995193	0.051677305	0.060541347	0.002856121	24.65379143	0.031867385	9.020125389	0.000979546	0.000979546	5.11387E-06	0.003564172	0.000501595	0.015619066	0.008934209	5.0429E-06	8.960577965	8.8829E-06	8.19181E-05	0.000117855	0.00092466
2057 Mar	58.40236282	0.051679436	0.060543768	0.002856235	24.65478897	0.031868659	9.020490646	0.000979585	0.000979585	5.11407E-06	0.003564317	0.000501617	0.015619688	0.008934613	5.0431E-06	8.960972786	8.88327E-06	8.19218E-05	0.000117861	0.000924698
2057 Apr	58.41176605	0.051687755	0.060553469	0.002856692	24.65874863	0.031873766	9.021938324	0.000979743	0.000979743	5.11489E-06	0.00356489	0.000501698	0.015622188	0.008936071	5.04391E-06	8.962429047	8.8847E-06	8.19352E-05	0.00011788	0.000924846
2057 May	58.46111298	0.051726419	0.06058434	0.002858133	24.67540169	0.031892896	9.028307915	0.000980398	0.000980398	5.11829E-06	0.003568077	0.000502386	0.015632352	0.008950205	5.04727E-06	8.97467804	8.89399E-06	8.20819E-05	0.000118094	0.000925567
2057 Jun	58.43933868	0.051528525	0.060207423	0.002842306	24.59968185	0.031795394	9.014233589	0.000978388	0.000978388	5.10779E-06	0.003580961	0.000506305	0.015624312	0.009012805	5.03692E-06	8.919688606	8.95614E-06	8.31237E-05	0.000119089	0.000924268
2057 Jul	58.52300644	0.051539693	0.060215153	0.002843453	24.62492752	0.031834986	9.030089378	0.000979475	0.000979475	5.11374E-06	0.003589474	0.000507686	0.01566077	0.009025943	5.0427E-06	9.033413887	8.98342E-06	8.33421E-05	0.000119248	0.000925381
2057 Aug	58.69371796	0.051673807	0.060367458	0.002850781	24.69545746	0.031927474	9.058534622	0.000982099	0.000982099	5.1276E-06	0.003599659	0.000509294	0.015711758	0.009051194	5.05632E-06	9.059289932	9.0089E-06	8.35819E-05	0.000119583	0.000928001
2057 Sep	58.75741196	0.051718157	0.060393851	0.002852257	24.71978378	0.031961624	9.071390152	0.000982778	0.000982778	5.13138E-06	0.003603606	0.000510042	0.015736733	0.009059737	5.05997E-06	9.068940163	9.01864E-06	8.3681E-05	0.000119692	0.000928872
2057 Oct	58.77305603	0.051733643	0.060375936	0.002851645	24.72379112	0.031970743	9.075945854	0.000982745	0.000982745	5.13137E-06	0.003605216	0.000510373	0.015746515	0.009061945	5.05991E-06	9.071845055	9.02241E-06	8.37179E-05	0.000119713	0.00092904
2057 Nov	58.78046799	0.051741268	0.060380004	0.002851868	24.72657013	0.031975068	9.077231407	0.000982846	0.000982846	5.13191E-06	0.003605802	0.000510464	0.01574894	0.009063204	5.06043E-06	9.073143959	9.02377E-06	8.37315E-05	0.000119727	0.000929154
2057 Dec	58.78156281	0.051742498	0.060380951	0.002851916	24.72699928	0.031975735	9.077390671	0.000982865	0.000982865	5.13201E-06	0.00360589	0.000510476	0.015749229	0.009063341	5.06053E-06	9.073344231	9.02396E-06	8.37335E-05	0.00011973	0.000929172
2058 Jan	58.78170013	0.051742703	0.060380936	0.002851915	24.72702408	0.031975783	9.077399254	0.000982866	0.000982866	5.13201E-06	0.003605903	0.000510479	0.015749237	0.009063482	5.06054E-06	9.073403358	9.02399E-06	8.37343E-05	0.000119731	0.000929174
2058 Feb	58.78192139	0.051742904	0.060381044	0.00285192	24.72709274	0.031975839	9.077423096	0.000982868	0.000982868	5.13202E-06	0.003605914	0.000510483	0.015749261	0.009063573	5.06055E-06	9.073476791	9.02402E-06	8.37352E-05	0.000119732	0.000929177
2058 Mar	58.78269958	0.051743586	0.060381778	0.002851953	24.72740555	0.031976227	9.077537537	0.00098288	0.00098288	5.13209E-06	0.003605959	0.00051049	0.015749451	0.009063723	5.06061E-06	9.073617935	9.02414E-06	8.37366E-05	0.000119734	0.000929189
2058 Apr	58.7885437	0.051748734	0.060387745	0.002852235	24.72985649	0.031979386	9.078437805	0.000982978	0.000982978	5.1326E-06	0.003606317	0.000510542	0.015751006	0.009064641	5.06111E-06	9.074532509	9.02504E-06	8.37451E-05	0.000119746	0.000929281
2058 May	58.85941696	0.051787652	0.060361546	0.002850916	24.73898506	0.031979442	9.082967758	0.000983329	0.000983329	5.1343E-06	0.003611553	0.000512462	0.015754439	0.009108443	5.06283E-06	9.108802795	9.04472E-06	8.42312E-05	0.000120457	0.000930107
2058 Jun	58.90806961	0.051629905	0.05987937	0.0028288	24.66212273	0.031831555	9.07229805	0.000979837	0.000979837	5.11622E-06	0.003621524	0.000518974	0.015731616	0.009244984	5.04496E-06	9.209191322	9.1083E-06	8.59762E-05	0.000122813	0.00092916
2058 Jul	59.00074005	0.051657252	0.059907399	0.00283068	24.69411087	0.031875595	9.090467453	0.000980962	0.000980962	5.12242E-06	0.003628965	0.000520246	0.015769936	0.00925781	5.05097E-06	9.223034859	9.13178E-06	8.61624E-05	0.000122983	0.000930405
2058 Aug	59.11198044	0.051725999	0.059978224	0.002834335	24.737854	0.031937391	9.110918045	0.000982465	0.000982465	5.13051E-06	0.003635612	0.000521517	0.015808551	0.00927423	5.05887E-06	9.240177155	9.14766E-06	8.63252E-05	0.000123194	0.000932055
2058 Sep	59.14436722	0.051754367	0.05993421	0.002832849	24.74511147	0.031959217	9.120147705	0.000982415	0.000982415	5.13058E-06	0.003639168	0.000522302	0.015829749	0.009279611	5.05883E-06	9.24704361	9.15451E-06	8.64194E-05	0.000123232	0.000932396
2058 Oct	59.15265656	0.051780373	0.059896048	0.002831479	24.74390411	0.031968769	9.122992516	0.000982285	0.000982285	5.13002E-06	0.003641676	0.000522736	0.015837321	0.009282873	5.05824E-06	9.250736237	9.15894E-06	8.64765E-05	0.000123241	0.000932492
2058 Nov	59.15949631	0.051788855	0.059897833	0.002831614	24.74621773	0.031973131	9.124182701	0.000982373	0.000982373	5.13049E-06	0.003642347	0.000522839	0.015839675	0.009284225	5.0587E-06	9.252118111	9.16038E-06	8.64921E-05	0.000123255	0.000932598
2058 Dec	59.16001511	0.051789604	0.05989816	0.002831633	24.74639893	0.031973489	9.124251366	0.000982383	0.000982383	5.13053E-06	0.003642402	0.000522847	0.015839808	0.009284347	5.05875E-06	9.252234459	9.16049E-06	8.64934E-05	0.000123256	0.000932607
2059 Jan	59.16012573	0.051789802	0.059898101	0.002831631	24.74641037	0.031973518	9.12425518	0.000982383	0.000982383	5.13054E-06	0.003642414	0.00052285	0.015839806	0.009284423	5.05875E-06	9.252293587	9.16052E-06	8.64942E-05	0.000123257	0.000932609
2059 Feb	59.16036606	0.05179001	0.059898216	0.002831635	24.74648094	0.031973578	9.124279976	0.000982386	0.000982386	5.13055E-06	0.003642425	0.000522854	0.01583983	0.009284522	5.05877E-06	9.252374649	9.16055E-06	8.64952E-05	0.000123259	0.000932612
2059 Mar	59.16049576	0.051790129	0.059898276	0.002831637	24.746521	0.031973612	9.124294281	0.000982387	0.000982387	5.13056E-06	0.003642431	0.000522856	0.015839843	0.009284576	5.05877E-06	9.252418518	9.16057E-06	8.64957E-05	0.00012326	0.000932614
2059 Apr	59.16750336	0.051796261	0.059905332	0.00283197	24.74944305	0.031977374	9.125371933	0.000982503	0.000982503	5.13116E-06	0.003642861	0.000522919	0.015841708	0.009285695	5.05937E-06	9.253527641	9.16165E-06	8.65061E-05	0.000123275	0.000932724
2059 May	59.22341156	0.051833116	0.059909672	0.002832131	24.76179504	0.03198706	9.130487442	0.000982993	0.000982993	5.13364E-06	0.003646783	0.000524109	0.015848167	0.009312125	5.06184E-06	9.274792671	9.17499E-06	8.67941E-05	0.000123695	0.000933451
2059 Jun	59.33145142	0.051829565	0.059745073	0.002824635	24.75549698	0.031953156	9.136283875	0.000982586	0.000982586	5.13151E-06	0.003657076	0.000528287	0.015854711	0.009399482	5.05974E-06	9.342209816	9.22065E-06	8.78515E-05	0.000125145	0.000934286
2059 Jul	59.48923111	0.051944505	0.059875891	0.002831076	24.81822205	0.032035928	9.162044525	0.000985047	0.000985047	5.14449E-06	0.003667708	0.000529901	0.015902434	0.009423992	5.0725E-06	9.366942406	9.24945E-06	8.81107E-05	0.000125468	0.000936687
2059 Aug	59.62502289	0.052048098	0.059991002	0.00283665	24.87369347	0.032108936	9.184915543	0.000987083	0.000987083	5.15527E-06	0.003675822	0.000531229	0.01594371	0.009444446	5.08308E-06	9.387851715	9.26982E-06	8.83082E-05	0.000125741	0.000938753
2059 Sep	59.6818924	0.0520925	0.059995554	0.002837234	24.89360046	0.032141056	9.197153091	0.000987568	0.000987568	5.15807E-06	0.003680008	0.000532037	0.015968459	0.00945268	5.08576E-06	9.397297859	9.27952E-06	8.84133E-05	0.000125836	0.000939506
2059 Oct	59.63349915	0.052108988	0.059820011	0.002830171	24.86021614	0.032130912	9.193408012	0.000986101	0.000986101	5.15068E-06	0.003682971	0.000532629	0.015969191	0.009451224	5.07839E-06	9.396892548	9.2811E-06	8.84737E-05	0.000125713	0.000938682
2059 Nov	59.63389969	0.052121654	0.059803203	0.002829573	24.85826874	0.03213438	9.193591118	0.000986054	0.000986054	5.15045E-06	0.003684099	0.000532798	0.015970498	0.009452769	5.07815E-06	9.398423195	9.28275E-06	8.84993E-05	0.000125714	0.0009387

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2059 Dec	59.63430786	0.052122317	0.059803404	0.002829586	24.85840034	0.032134682	9.193640709	0.000986061	0.000986061	5.15048E-06	0.003684149	0.000532805	0.015970597	0.009452875	5.07819E-06	9.398522377	9.28284E-06	8.85005E-05	0.000125715	0.000938707
2060 Jan	59.63472748	0.052122787	0.059803646	0.002829598	24.85853958	0.032134879	9.193692207	0.000986067	0.000986067	5.15051E-06	0.00368418	0.000532811	0.015970675	0.009453002	5.07822E-06	9.398633957	9.28292E-06	8.85018E-05	0.000125717	0.000938713
2060 Feb	59.6352005	0.052123208	0.059803985	0.002829613	24.85870743	0.032135054	9.193753242	0.000986073	0.000986073	5.15055E-06	0.003684205	0.000532817	0.015970761	0.009453142	5.07825E-06	9.39875412	9.28299E-06	8.85031E-05	0.000125719	0.00093872
2060 Mar	59.63648605	0.052124329	0.059805196	0.00282967	24.85922623	0.032135706	9.193943977	0.000986094	0.000986094	5.15065E-06	0.003684282	0.00053283	0.015971081	0.00945338	5.07835E-06	9.398981094	9.28319E-06	8.85053E-05	0.000125722	0.00093874
2060 Apr	59.64642334	0.052133016	0.05981512	0.002830139	24.86335945	0.032141041	9.195471764	0.000986257	0.000986257	5.15151E-06	0.003684895	0.000532919	0.015973732	0.009454976	5.0792E-06	9.400560379	9.28473E-06	8.85203E-05	0.000125743	0.000938897
2060 May	59.72813034	0.052171338	0.059757635	0.002827298	24.86809921	0.032130104	9.198840141	0.000986429	0.000986429	5.15221E-06	0.003691146	0.000535498	0.01597313	0.009514811	5.07995E-06	9.44668293	9.30982E-06	8.91893E-05	0.000126724	0.000939767
2060 Jun	59.80509567	0.052102804	0.059476044	0.002814344	24.83494759	0.032051589	9.198710442	0.000984704	0.000984704	5.14333E-06	0.003699881	0.000540263	0.015969008	0.009614461	5.07116E-06	9.521696091	9.35791E-06	9.04291E-05	0.000128429	0.000939796
2060 Jul	59.96078873	0.052208815	0.059595075	0.002820286	24.89592171	0.032131869	9.224791527	0.000987047	0.000987047	5.15575E-06	0.003710495	0.000541915	0.01601807	0.00963843	5.08334E-06	9.546041489	9.38737E-06	9.06916E-05	0.000128748	0.000942125
2060 Aug	60.05718994	0.052252244	0.059618331	0.002821923	24.93093109	0.032187343	9.244817734	0.00098804	0.00098804	5.16134E-06	0.003716288	0.000543256	0.016059196	0.009652181	5.08873E-06	9.561479568	9.39961E-06	9.08583E-05	0.00012891	0.000943415
2060 Sep	60.03111649	0.052213326	0.059449434	0.002815314	24.90605545	0.032194067	9.245792389	0.000986877	0.000986877	5.15565E-06	0.003718066	0.000544215	0.016074508	0.009652434	5.083E-06	9.56410408	9.39366E-06	9.09731E-05	0.000128794	0.00094273
2060 Oct	60.02994919	0.052240413	0.059390556	0.002813103	24.89954948	0.032201134	9.247265816	0.000986564	0.000986564	5.15413E-06	0.003720777	0.000544673	0.016080389	0.009655078	5.08147E-06	9.567223549	9.39769E-06	9.10315E-05	0.00012878	0.000942689
2060 Nov	60.02640915	0.052249309	0.059368074	0.002812246	24.89589882	0.032202449	9.247024536	0.000986432	0.000986432	5.15347E-06	0.00372166	0.000544811	0.016081065	0.009655843	5.0808E-06	9.568053246	9.39874E-06	9.10504E-05	0.000128771	0.000942638
2060 Dec	60.027565	0.052250687	0.059368968	0.002812293	24.89633369	0.032203168	9.247187614	0.000986452	0.000986452	5.15357E-06	0.003721761	0.000544825	0.016081363	0.009656077	5.0809E-06	9.568279266	9.39896E-06	9.10528E-05	0.000128773	0.000942657
2061 Jan	60.02776337	0.052250981	0.059368968	0.002812293	24.89637375	0.032203238	9.247202873	0.000986454	0.000986454	5.15358E-06	0.003721779	0.00054483	0.016081378	0.009656179	5.08091E-06	9.568362236	9.399E-06	9.10539E-05	0.000128775	0.00094266
2061 Feb	60.02799606	0.052251182	0.059369039	0.002812295	24.89643478	0.032203276	9.2472229	0.000986456	0.000986456	5.15359E-06	0.003721789	0.000544834	0.016081393	0.00965629	5.08092E-06	9.568450928	9.39903E-06	9.10549E-05	0.000128777	0.000942664
2061 Mar	60.02873611	0.052251831	0.059369691	0.002812326	24.8967247	0.03220363	9.247329712	0.000986467	0.000986467	5.15364E-06	0.003721833	0.000544842	0.016081566	0.009656449	5.08098E-06	9.56859684	9.39914E-06	9.10565E-05	0.000128779	0.000942675
2061 Apr	60.03836441	0.052260216	0.059379168	0.002812774	24.90070915	0.032208771	9.248808861	0.000986624	0.000986624	5.15447E-06	0.003722428	0.00054493	0.016084133	0.009658022	5.08179E-06	9.570148468	9.40065E-06	9.10713E-05	0.0001288	0.000942826
2061 May	60.12367249	0.052302297	0.059319027	0.002809789	24.90486717	0.032196369	9.251534462	0.000986828	0.000986828	5.15528E-06	0.003729118	0.000547672	0.016081693	0.009722363	5.08267E-06	9.619576454	9.4273E-06	9.17892E-05	0.000129852	0.000943745
2061 Jun	60.14506912	0.052153684	0.058939088	0.00279233	24.84441376	0.032077897	9.245357513	0.000983738	0.000983738	5.13953E-06	0.003734423	0.000552185	0.016069431	0.009813747	5.06701E-06	9.686532021	9.47056E-06	9.29866E-05	0.000131477	0.0009427
2061 Jul	60.29269409	0.052243482	0.059037969	0.002797443	24.90072441	0.032154698	9.270752907	0.000985898	0.000985898	5.15103E-06	0.003744797	0.00055389	0.016118219	0.009836866	5.07829E-06	9.709951401	9.49928E-06	9.32442E-05	0.000131779	0.000944897
2061 Aug	60.43166351	0.0523463	0.059150569	0.002802932	24.95689011	0.032228954	9.294346809	0.000987943	0.000987943	5.16188E-06	0.003753135	0.0005553	0.016160905	0.009858286	5.08893E-06	9.731692314	9.52034E-06	9.34514E-05	0.000132067	0.000947004
2061 Sep	60.48618317	0.052379314	0.059159301	0.002803622	24.9767971	0.032258011	9.306383133	0.00098839	0.00098839	5.1645E-06	0.003756506	0.000556013	0.016185069	0.009865218	5.09142E-06	9.739942551	9.52856E-06	9.35405E-05	0.000132155	0.0009477
2061 Oct	60.44192886	0.05238039	0.059006948	0.002797407	24.94834137	0.032245755	9.304065704	0.000986987	0.000986987	5.1575E-06	0.003758052	0.000556399	0.016187351	0.009860964	5.08442E-06	9.73727417	9.52833E-06	9.35592E-05	0.000132022	0.000946901
2061 Nov	60.4300766	0.052389376	0.058963139	0.002795679	24.93986893	0.032244697	9.302898407	0.000986658	0.000986658	5.15582E-06	0.003759105	0.00055657	0.0161872	0.009861026	5.08275E-06	9.73753643	9.52906E-06	9.35791E-05	0.00013199	0.000946718
2061 Dec	60.43085098	0.052390411	0.05896366	0.002795708	24.9401474	0.032245208	9.303003311	0.000986671	0.000986671	5.15589E-06	0.003759182	0.00055658	0.016187398	0.0098612	5.08282E-06	9.73770237	9.52922E-06	9.3581E-05	0.000131992	0.000946731
2062 Jan	60.43120193	0.05239084	0.058963809	0.002795716	24.9402523	0.032245364	9.303041458	0.000986676	0.000986676	5.15592E-06	0.003759209	0.000556586	0.016187452	0.009861326	5.08285E-06	9.737809181	9.52929E-06	9.35822E-05	0.000131994	0.000946736
2062 Feb	60.4316864	0.052391261	0.05896413	0.00279573	24.94041824	0.032245535	9.303102493	0.000986682	0.000986682	5.15595E-06	0.003759235	0.000556593	0.016187536	0.009861477	5.08288E-06	9.737937927	9.52936E-06	9.35837E-05	0.000131996	0.000946743
2062 Mar	60.43459702	0.05239379	0.05896689	0.00279586	24.9416008	0.032247044	9.303543091	0.000986728	0.000986728	5.15619E-06	0.003759413	0.000556621	0.01618829	0.009861991	5.08312E-06	9.738433838	9.52982E-06	9.35886E-05	0.000132003	0.000946789
2062 Apr	60.44485855	0.052402686	0.058976855	0.002796332	24.94582558	0.032252494	9.305118561	0.000986895	0.000986895	5.15706E-06	0.003760051	0.000556716	0.016191024	0.009863689	5.08398E-06	9.740103722	9.53143E-06	9.36047E-05	0.000132026	0.000946949
2062 May	60.47333908	0.052427374	0.05900462	0.002797648	24.95757294	0.032267675	9.309500694	0.00098736	0.00098736	5.15949E-06	0.003761821	0.000556979	0.016198646	0.009868346	5.08637E-06	9.744700432	9.53592E-06	9.36489E-05	0.000132089	0.000947395
2062 Jun	60.34938431	0.052160721	0.05868471	0.002785507	24.8668232	0.032189745	9.286107063	0.000985912	0.000985912	5.1518E-06	0.003773855	0.000558202	0.016190918	0.009860498	5.07883E-06	9.735194206	9.58831E-06	9.40083E-05	0.000131835	0.000945139
2062 Jul	60.33963776	0.05202961	0.058524888	0.002779895	24.83862495	0.032178007	9.286091805	0.00098571	0.00098571	5.15096E-06	0.003783853	0.000559672	0.016211925	0.009863565	5.07793E-06	9.7380867	9.62624E-06	9.4281E-05	0.000131795	0.000944712
2062 Aug	60.40025711	0.052032258	0.058493938	0.002779284	24.85603714	0.032222006	9.300485611	0.000986184	0.000986184	5.1538E-06	0.003788327	0.000561002	0.016245142	0.009874074	5.08062E-06	9.749765396	9.63219E-06	9.44178E-05	0.000131881	0.000945506
2062 Sep	60.41075516	0.052048482	0.05841241	0.002776228	24.85235214	0.032236762	9.306462288	0.000985747	0.000985747	5.15185E-06	0.00379138	0.00056175	0.016262237	0.009877045	5.07859E-06	9.75442028	9.63579E-06	9.45021E-05	0.000131863	0.000945507
2062 Oct	60.29447556	0.052061234	0.058097042	0.002763384	24.78285599	0.032205496	9.29364872	0.000982898	0.000982898	5.13732E-06	0.003794603	0.000562365	0.016251484	0.009869074	5.06415E-06	9.748174667	9.63251E-06	9.45422E-05	0.000131566	0.00094366
2062 Nov	60.29882813	0.052078974	0.058088686	0.002763167	24.7827816	0.032211483	9.294019699	0.00098297	0.00098297	5.13767E-06	0.003796006	0.000562553	0.016252873	0.009871497	5.06451E-06	9.75043869	9.63471E-06	9.45742E-05	0.000131577	0.000943758
2062 Dec	60.29973221	0.052080069	0.058089357	0.002763202	24.78311729	0.032212045	9.294146538	0.000982985	0.000982985	5.13775E-06	0.003796087	0.000562564	0.016253106	0.009871686	5.06459E-06	9.750619888	9.63489E-06	9.45761E-05	0.000131579	0.000943773
2063 Jan	60.30006409	0.05208046	0.05808951	0.00276321	24.78322029	0.032212198	9.294183731	0.00098299	0.00098299	5.13777E-06	0.003796113	0.00056257	0.016253164	0.0098718	5.06461E-06	9.750718117	9.63495E-06	9.45773E-05	0.000131581	0.000943778
2063 Feb	60.30050278	0.052080847	0.058089804	0.002763222	24.78337097	0.032212358	9.294239998	0.000982995	0.000982995	5.1378E-06	0.003796137	0.000562576	0.01625324	0.009871936	5.06464E-06	9.750833511	9.63502E-06	9.45786E-05	0.000131583	0.000943784
2063 Mar	60.30123138	0.052081481	0.058090437	0.002763252	24.78365517	0.032212708	9.294344902	0.000983006	0.000983006	5.13786E-06	0.00379618	0.000562583	0.016253414	0.00987209	5.06469E-06	9.750975609	9.63513E-06	9.45801E-05	0.000131585	0.000943795
2063 Apr	60.30682373	0.052086309	0.058095787	0.002763506	24.78594589	0.032215673	9.295203209	0.000983097	0.000983097	5.13833E-06	0.003796531	0.000562636	0.016254907	0.009873025	5.06516E-06	9.751893997	9.63602E-06	9.45891E-05	0.000131598	0.000943883
2063 May	60.3637886	0.052118905	0.058080483	0.002762708	24.79438019	0.032217409	9.299104691	0.000983422	0.000983422	5.13992E-06	0.003800639	0.000564109	0.016258202	0.009906691	5.06676E-06	9.778324127	9.65129E-06	9.49606E-05	0.000132143	0.000944562
2063 Jun	60.33528519	0.051856957	0.05748871	0.002736041	24.6757431	0.032023434	9.273376465	0.000978998	0.000978998	5.1168E-06	0.003810923	0.000570475	0.016216189	0.010036142	5.04397E-06	9.870236397	9.72179E-06	9.67456E-05	0.000134374	0.000942378
2063 Jul	60.36714935	0.051798787	0.057418384	0.002733666	24.67760468	0.032031182	9.283708572	0.000978981	0.000978981	5.11717E-06	0.003816478	0.000571492	0.016245846	0.010038491	5.04419E-06	9.874247551	9.74418E-06	9.68895E-05	0.000134396	0.000942548
2063 Aug	60.50172043	0.051896501	0.057519853	0.00273871	24.73091507	0.032104321	9.306519508	0.000980951	0.000980951	5.12763E-06	0.003824863	0.000572948	0.01628788	0.01006005	5.05445E-06	9.896035194	9.76477E-06	9.71048E-05	0.000134678	0.000944583
2063 Sep	60.54639053	0.051922921	0.057507928	0.00273863	24.74465179	0.032134112	9.316194534	0.000981315	0.000981315	5.12975E-06	0.003828438	0.000573761	0.016309844	0.010067594	5.05647E-06	9.90474987	9.77065E-06	9.72164E-05	0.000134744	0.000945142
2063 Oct	60.53749847	0.051932655	0.057445254	0.002736138	24.73630333	0.032134522	9.317422867	0.000980802	0.000980802	5.12725E-06	0.00382978	0.000574046	0.016315088	0.010066951	5.05395E-06	9.905049324	9.77217E-06	9.72377E-05	0.000134701	0.000944937
2063 Nov	60.54153442	0.051940288	0.057440925	0.002736016	24.7371273	0.032137826	9.31829834	0.000980825	0.000980825	5.12739E-06	0.003830428	0.000574149	0.01631709	0.010067975	5.05408E-06	9.906147957	9.77339E-06	9.72521E-05	0.000134707	0.000944997
2063 Dec	60.54319	0.051942028	0.0574423	0.002736085	24.73777008	0.032138787	9.318541527	0.000980852	0.000980852	5.12754E-06	0.003830557	0.000574167	0.016317528	0.010068291	5.05422E-06	9.906454086	9.77369E-06	9.72553E-05	0.000134711	0.000945024
2064 Jan	60.54354477	0.051942442	0.057442471	0.002736094	24.7378788	0.032138947	9.318581581	0.000980857	0.000980857	5.12756E-06	0.003830585	0.000574173	0.016317587	0.01006841	5.05425E-06	9.906556129	9.77375E-06	9.72565E-05	0.000134713	0.00094503
2064 Feb	60.54416656	0.051942982	0.05744293	0.002736115	24.73810387	0.032139204	9.318664551	0.000980865	0.000980865	5.1276E-06	0.00383062	0.000574181	0.016317714	0.010068579	5.05429E-06	9.906702995	9.77385E-06	9.72582E-05	0.000134715	0.000945039
2064 Mar	60.54754257	0.05194588	0.057446066	0.002736263	24.73946762	0.032140955	9.319177628	0.000980919	0.000980919	5.12788E-06	0.003830831	0.000574214	0.016318601	0.010069175	5.05457E-06	9.907279968	9.77439E-06	9.72639E-05	0.000134723	0.000945091
2064 Apr	60.55361557	0.051951092	0.057451785	0.002736535	24.74193764	0.032144155	9.320108414	0.000981017	0.000981017	5.12839E-06	0.003831214	0.000574272	0.016320225	0.010070204	5.05507E-06	9.908287048	9.77537E-06	9.72739E-05	0.000134737	0.000945186
2064 May	60.61750412	0.051979315	0.057403475	0.002734125	24.7450695	0.032133494	9.322645187	0.000981096	0.000981096	5.12867E-06	0.003835939	0.000576322	0.016319223	0.010118078	5.05538E-06	9.945101738	9.79496E-06	9.78081E-05	0.000135527	0.000945847
2064 Jun	60.67015457	0.051854759	0.057009224	0.002715737	24.68527412	0.03200594	9.315241814	0.000978103	0.000978103	5.1132E-06	0.003843185	0.000581886	0.016299371	0.010238411	5.04008E-06	10.03368378	9.84659E-06	9.93083E-05	0.000137632	0.000945164
2064 Jul	60.77658844	0.051898036	0.057053484	0.002718446	24.72278214	0.032063063	9.334721565	0.000979573	0.000979573	5.12112E-06	0.003851489	0.000583396	0.016339019	0.010255794	5.04782E-06	10.05117798	9.86949E-06	9.95133E-05	0.000137847	0.000946733
2064 Aug	60.84687424	0.051913846	0.057057358	0.002719222	24.74687195	0.032107323	9.350049019	0.000980308	0.000980308	5.12529E-06	0.003856023	0.000584589	0.016370723	0.01026683	5.05182E-06	10.06282997	9.87834E-06	9.96268E-05	0.000137967	0.000947744
2064 Sep	60.84627914	0.051913355	0.056956489	0.002715413	24.73740005	0.03212161	9.354061127	0.000979741	0.000979741	5.12263E-06	0.003858596	0.000585367	0.016386582	0.010268735	5.0491E-06	10.06667519	9.87801E-06	9.97159E-05	0.000137909	0.00094756
2064 Oct	60.86214066	0.051944163	0.05694475	0.002715156	24.74093056	0.03213476	9.357050896	0.000979888	0.000979888	5.12343E-06	0.003861125	0.00058575	0.016393378	0.010272997	5.04989E-06	10.07106781	9.8827E-06	9.97725E-05	0.000137938	0.000947813
2064 Nov	60.87171173	0.051952716	0.056953471	0.002715576	24.74477959	0.032139916	9.358507156	0.000980044	0.000980044	5.12424E-06	0.003861762	0.000585846	0.016395945	0.010274661	5.05069E-06	10.07269382	9.88429E-06	9.97888E-05	0.00013796	0.000947963
2064 Dec	60.87265015	0.051953726	0.05695422	0.002715614	24.74513817	0.032140467	9.358643532	0.000980059	0.000980059	5.12432E-06	0.003861837	0.000585856	0.016396193	0.010274845	5.05077E-06	10.07287121	9.88447E-06	9.97907E-05	0.000137962	0.000947978
2065 Jan	60.87286758	0.051953983	0.056954324	0.002715619	24.74520493	0.032140564	9.358668327	0.000980062	0.000980062	5.12434E-06	0.003861854	0.00058586	0.016396228	0.01027492	5.05078E-06	10.0729351	9.88451E-06	9.97915E-05	0.000137963	0.000947982
2065 Feb	60.87345123	0.051954485	0.05695479	0.00271564	24.74542427	0.032140825	9.35874939	0.00098007	0.00098007	5.12438E-06	0.003861888	0.000585867	0.01639636	0.010275059	5.05082E-06	10.07306004	9.8846E-06	9.97928E-05	0.000137965	0.000947991
2065 Mar	60.87718201	0.051957671	0.056958232	0.002715804	24.74693108	0.03214277	9.359318733	0.00098013	0.00098013	5.12469E-06	0.003862123	0.000585903	0.01639735	0.010275711	5.05113E-06	10.07369328	9.8852E-06	9.97992E-05	0.000137974	0.000948048
2065 Apr	60.88791275	0.051966831	0.056968253	0.002716282	24.75128746	0.032148421	9.360966682	0.000980302	0.000980302	5.12559E-06	0.003862803	0.000586007	0.016400233	0.010277535	5.05202E-06	10.0754776	9.88695E-06	9.98169E-05	0.000137999	0.000948216
2065 May	60.95876694	0.052008078	0.056950275	0.002715334	24.76184082	0.032150682	9.365724564	0.000980717	0.000980717	5.12763E-06	0.003867915	0.000587835	0.016404079	0.010319473	5.05406E-06	10.10838604	9.90588E-06	0.000100279	0.000138678	0.000949065
2065 Jun	60.98537827	0.051886406	0.056639027	0.002701266	24.71106339	0.032056127	9.359004021	0.00097858	0.00097858	5.11659E-06	0.003875316	0.000591905	0.016393121	0.010401223	5.04314E-06	10.16843319	9.95124E-06	0.00010137	0.000140088	0.000948384
2065 Jul	61.13702393	0.05197328	0.056731142	0.002706133	24.76740837	0.032132063	9.385175705	0.000980743	0.000980743	5.12814E-06	0.0038865	0.000593717	0.01644448	0.01042529	5.05445E-06	10.1928606	9.98361E-06	0.000101658	0.000140407	0.000950588
2065 Aug	61.27239609	0.05206405	0.056818277	0.002710574	24.82008934	0.032204911	9.409264565	0.000982565	0.000982565	5.13792E-06	0.003894769	0.000595251	0.016489951	0.010446483	5.06401E-06	10.21474648	1.00038E-05	0.000101881	0.000140685	0.000952565
2065 Sep	61.25980759	0.052064992	0.056687757	0.0027054	24.80548668	0.032209769	9.413883209	0.000981514	0.000981514	5.13291E-06	0.00389691	0.000595905	0.016506411	0.010444217	5.05892E-06	10.21523285	1.00044E-05	0.000101926	0.000140583	0.000952148
2065 Oct	61.17716217	0.052096292	0.056449216	0.002695851	24.75474739	0.032194767	9.40510273	0.000979489	0.000979489	5.12258E-06	0.003900628	0.00059647	0.016500575	0.010438756	5.04866E-06	10.21148396	1.00034E-05	0.000101964	0.000140339	0.000950883
2065 Nov	61.17269897	0.052116651	0.056420375	0.002694811	24.74966049	0.032198939	9.404254913	0.000979385	0.000979385	5.12201E-06	0.003902305	0.000596687	0.016500577	0.010440581	5.04811E-06	10.21323872	1.00052E-05	0.000101997	0.000140326	0.000950856
2065 Dec	61.17322159	0.052117448	0.056420647	0.002694827	24.74983406	0.032199308	9.404321671	0.000979394	0.000979394	5.12206E-06	0.003902365	0.000596695	0.016500708	0.010440715	5.04815E-06	10.21336365	1.00053E-05	0.000101998	0.000140327	0.000950865
2066 Jan	61.17368317	0.052117966	0.056420896	0.00269484	24.74998474	0.032199521	9.404377937	0.000979401	0.000979401	5.12209E-06	0.0039024	0.000596702	0.016500795	0.010440859	5.04819E-06	10.21348953	1.00054E-05	0.000102	0.000140329	0.000950872
2066 Feb	61.17499924	0.052119095	0.056421977	0.00269489	24.75048637	0.032200135	9.404566765	0.00097942	0.00097942	5.12219E-06	0.003902479	0.000596717	0.016501104	0.010441153	5.04828E-06	10.21375751	1.00056E-05	0.000102003	0.000140333	0.000950892
2066 Mar	61.18072891	0.052123979	0.056427184	0.002695138	24.75278664	0.032203104	9.405439377	0.000979511	0.000979511	5.12267E-06	0.003902842	0.000596774	0.016502623	0.010442168	5.04875E-06	10.21474075	1.00066E-05	0.000102013	0.000140347	0.000950981
2066 Apr	61.18814468	0.052130301	0.056433987	0.002695463	24.75577736	0.032206986	9.406576157	0.000979629	0.000979629	5.12329E-06	0.003903314	0.000596847	0.01650461	0.010443456	5.04936E-06	10.21599483	1.00078E-05	0.000102025	0.000140364	0.000951096
2066 May	61.22272491	0.052157577	0.056456257	0.002696515	24.76766205	0.032221109	9.411167145	0.000980099	0.000980099	5.12573E-06	0.003905588	0.000597316	0.016512135	0.010452843	5.05178E-06	10.22422791	1.00143E-05	0.000102123	0.000140504	0.000951604
2066 Jun	61.14694977	0.051907495	0.056060571	0.002679914	24.67475891	0.032104887	9.389660835	0.000977647	0.000977647	5.11289E-06	0.003916014	0.000600372	0.016494134	0.010496534	5.03912E-06	10.25316715	1.00705E-05	0.000102988	0.000141203	0.000949558
2066 Jul	61.29455948	0.051966637	0.056119263	0.002683656	24.72415352	0.032179762	9.414997101	0.000979821	0.000979821	5.12449E-06	0.003929446	0.000602517	0.01654841	0.010521714	5.05049E-06	10.27836514	1.01104E-05	0.000103334	0.000141511	0.000951688
2066 Aug	61.42969513	0.052056022	0.056207843	0.002688174	24.77667999	0.032252807	9.438862801	0.000981681	0.000981681	5.13445E-06	0.003937811	0.00060407	0.016593097	0.010543302	5.06023E-06	10.30032539	1.0131E-05	0.000103553	0.000141793	0.000953695
2066 Sep	61.47288132	0.052090272	0.05618801	0.002687698	24.79012108	0.032278843	9.449653625	0.000981861	0.000981861	5.1357E-06	0.003941421	0.000604821	0.016616104	0.010549185	5.06136E-06	10.3077383	1.01388E-05	0.000103642	0.000141849	0.000954214
2066 Oct	61.4580307	0.052111581	0.056107607	0.002684556	24.7776947	0.032280792	9.44976902	0.00098126	0.00098126	5.13273E-06	0.003943583	0.000605185	0.016620202	0.010548876	5.05838E-06	10.30839157	1.01407E-05	0.000103674	0.000141786	0.000953954

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2066 Nov	61.45497513	0.052118786	0.056086361	0.002683737	24.77465439	0.032281987	9.449922562	0.000981115	0.000981115	5.13201E-06	0.003944277	0.000605299	0.016621549	0.010549033	5.05766E-06	10.30879593	1.01414E-05	0.000103685	0.000141771	0.0009539
2066 Dec	61.4567337	0.052120615	0.056087766	0.002683808	24.77532578	0.032282997	9.450180054	0.000981144	0.000981144	5.13216E-06	0.003944415	0.000605319	0.016622014	0.010549377	5.05781E-06	10.3091259	1.01417E-05	0.000103689	0.000141775	0.000953929
2067 Jan	61.4572525	0.052121177	0.056088075	0.002683823	24.77550125	0.032283247	9.450245857	0.000981151	0.000981151	5.1322E-06	0.003944454	0.000605327	0.016622119	0.010549529	5.05785E-06	10.30926037	1.01418E-05	0.000103691	0.000141777	0.000953937
2067 Feb	61.45838547	0.052122146	0.05608898	0.002683865	24.7759285	0.032283761	9.450407028	0.000981168	0.000981168	5.13228E-06	0.003944522	0.00060534	0.016622379	0.010549789	5.05793E-06	10.30949593	1.0142E-05	0.000103693	0.000141781	0.000953954
2067 Mar	61.46124268	0.052124575	0.056091517	0.002683986	24.77706337	0.032285221	9.450839043	0.000981212	0.000981212	5.13252E-06	0.003944703	0.000605369	0.01662313	0.010550315	5.05816E-06	10.31000042	1.01425E-05	0.000103698	0.000141788	0.000953998
2067 Apr	61.46733093	0.052129742	0.056097038	0.00268425	24.77950859	0.032288399	9.451769829	0.000981309	0.000981309	5.13302E-06	0.003945092	0.000605429	0.016624762	0.010551382	5.05866E-06	10.31103611	1.01435E-05	0.000103709	0.000141803	0.000954092
2067 May	61.54079437	0.052176382	0.056093298	0.002683986	24.7934761	0.032296602	9.457577705	0.000981872	0.000981872	5.13583E-06	0.003950305	0.000607135	0.016630931	0.010590089	5.06147E-06	10.34176731	1.01619E-05	0.000104132	0.000142424	0.00095502
2067 Jun	61.59679413	0.052109703	0.055861395	0.002673304	24.7634182	0.03222736	9.45583725	0.000980428	0.000980428	5.12837E-06	0.003957269	0.000610949	0.016624918	0.010670458	5.05409E-06	10.40184021	1.02018E-05	0.000105141	0.000143805	0.000954941
2067 Jul	61.75770569	0.052216068	0.055973347	0.002679053	24.82428932	0.032311596	9.482266426	0.000982863	0.000982863	5.14124E-06	0.00396884	0.000612843	0.016675161	0.010697894	5.06673E-06	10.42890739	1.02331E-05	0.000105442	0.000144162	0.000957374
2067 Aug	61.85556793	0.052254971	0.056007158	0.00268125	24.8596611	0.032370687	9.501449585	0.000984108	0.000984108	5.14803E-06	0.003975241	0.000614315	0.016712938	0.010714211	5.07334E-06	10.44528961	1.0247E-05	0.000105596	0.000144354	0.000958861
2067 Sep	61.90253067	0.052289665	0.055997718	0.002681244	24.87482643	0.032399688	9.512011528	0.000984448	0.000984448	5.15006E-06	0.003978997	0.000615096	0.016735585	0.01072135	5.07526E-06	10.45369816	1.02545E-05	0.000105697	0.000144424	0.000959459
2067 Oct	61.8635025	0.052306376	0.055868167	0.002676051	24.85004997	0.032393608	9.509350777	0.000983326	0.000983326	5.14443E-06	0.003980984	0.000615431	0.01673644	0.010717759	5.06963E-06	10.45157337	1.02543E-05	0.000105711	0.000144289	0.000958819
2067 Nov	61.86198425	0.05232029	0.055848062	0.002675325	24.84723282	0.032397006	9.509314537	0.000983247	0.000983247	5.14402E-06	0.003982143	0.000615592	0.016737496	0.010718905	5.06923E-06	10.45279884	1.02557E-05	0.000105734	0.00014428	0.000958812
2067 Dec	61.86407471	0.052322403	0.05584966	0.002675406	24.84803009	0.03239819	9.509628296	0.000983281	0.000983281	5.1442E-06	0.003982305	0.000615616	0.016738066	0.010719306	5.0694E-06	10.45318699	1.02561E-05	0.000105738	0.000144285	0.000958845
2068 Jan	61.86478806	0.052323148	0.055850122	0.002675429	24.84827805	0.032398537	9.509721756	0.000983291	0.000983291	5.14425E-06	0.003982356	0.000615626	0.016738217	0.010719501	5.06945E-06	10.45336056	1.02562E-05	0.00010574	0.000144288	0.000958857
2068 Feb	61.86573792	0.052323956	0.055850834	0.002675461	24.84862709	0.032398943	9.509852409	0.000983304	0.000983304	5.14432E-06	0.003982412	0.000615637	0.016738422	0.010719742	5.06952E-06	10.45357323	1.02564E-05	0.000105742	0.000144291	0.000958871
2068 Mar	61.8708725	0.052328307	0.05585539	0.002675679	24.85066986	0.032401584	9.510633469	0.000983384	0.000983384	5.14474E-06	0.00398274	0.00061569	0.016739786	0.010720672	5.06994E-06	10.45447063	1.02572E-05	0.000105751	0.000144304	0.00095895
2068 Apr	61.89100647	0.052345339	0.055873524	0.002676547	24.85874748	0.032412104	9.513723373	0.000983704	0.000983704	5.14641E-06	0.003984034	0.000615891	0.016745217	0.010724184	5.07158E-06	10.4578886	1.02605E-05	0.000105786	0.000144351	0.000959262
2068 May	61.95583725	0.052382171	0.05585539	0.002675588	24.86810493	0.032413173	9.51802063	0.000984058	0.000984058	5.14814E-06	0.003988646	0.000617581	0.016748484	0.010763097	5.07333E-06	10.4883728	1.02779E-05	0.000106214	0.000144984	0.0009603
2068 Jun	61.91543961	0.05214268	0.055356972	0.002652679	24.7688694	0.032238048	9.49847126	0.000979664	0.000979664	5.12548E-06	0.003992239	0.000622302	0.016713915	0.01086076	5.05089E-06	10.55686092	1.03241E-05	0.000107554	0.000146754	0.000957823
2068 Jul	62.01063156	0.052162755	0.055373717	0.00265437	24.79824066	0.032289609	9.515657425	0.000981039	0.000981039	5.13288E-06	0.004001641	0.000623938	0.016752375	0.01087776	5.05812E-06	10.5736742	1.03512E-05	0.000107789	0.000146946	0.000959214
2068 Aug	62.16050339	0.052272417	0.05548282	0.002659842	24.85647011	0.032370787	9.540480614	0.000983247	0.000983247	5.14456E-06	0.004011322	0.00062564	0.016798219	0.010903493	5.06959E-06	10.5991745	1.03749E-05	0.00010805	0.000147281	0.000961488
2068 Sep	62.19952774	0.052308958	0.055452224	0.002658962	24.86727142	0.032397281	9.550513268	0.000983367	0.000983367	5.14549E-06	0.004015217	0.000626432	0.01682057	0.01090941	5.07041E-06	10.60665512	1.03823E-05	0.000108144	0.000147324	0.000961956
2068 Oct	62.21342087	0.052337442	0.055436894	0.002658541	24.87003899	0.032409351	9.553487778	0.000983456	0.000983456	5.14601E-06	0.004017572	0.000626795	0.016827457	0.010912987	5.0709E-06	10.61050701	1.03866E-05	0.000108195	0.000147343	0.0009617
2068 Nov	62.2224617	0.052346855	0.055443216	0.002658869	24.87342453	0.032414556	9.554862022	0.000983597	0.000983597	5.14674E-06	0.004018299	0.000626904	0.016829984	0.010914756	5.07163E-06	10.61222649	1.03883E-05	0.000108213	0.000147365	0.000962313
2068 Dec	62.22409821	0.052348487	0.05544452	0.002658934	24.87405205	0.032415476	9.555103302	0.000983624	0.000983624	5.14688E-06	0.004018424	0.000626923	0.01683042	0.010915074	5.07177E-06	10.61253166	1.03886E-05	0.000108217	0.000147368	0.000962339
2069 Jan	62.22451019	0.052348927	0.05544477	0.002658946	24.87418938	0.032415673	9.555156708	0.000983629	0.000983629	5.14691E-06	0.004018454	0.000626929	0.016830504	0.010915193	5.0718E-06	10.61263657	1.03887E-05	0.000108218	0.00014737	0.000962345
2069 Feb	62.22511673	0.052349444	0.055445217	0.002658967	24.87441063	0.032415926	9.555239677	0.000983638	0.000983638	5.14695E-06	0.00401849	0.000626937	0.016830634	0.010915349	5.07184E-06	10.61277485	1.03888E-05	0.000108219	0.000147372	0.000962354
2069 Mar	62.22550201	0.052349769	0.055445503	0.00265898	24.87455368	0.032416098	9.55529213	0.000983643	0.000983643	5.14698E-06	0.004018512	0.000626941	0.01683072	0.010915443	5.07187E-06	10.61285973	1.03888E-05	0.00010822	0.000147374	0.00096236
2069 Apr	62.23056793	0.052354038	0.055449992	0.002659195	24.87657166	0.032418717	9.556067467	0.000983723	0.000983723	5.1474E-06	0.004018839	0.000626993	0.01683208	0.010916348	5.07228E-06	10.6137352	1.03897E-05	0.000108229	0.000147386	0.000962438
2069 May	62.28288651	0.052396007	0.055489633	0.002661089	24.896101	0.032443084	9.563721657	0.000984483	0.000984483	5.15137E-06	0.00402222	0.000627606	0.016845228	0.010927738	5.07619E-06	10.62422562	1.03989E-05	0.000108346	0.00014755	0.000963223
2069 Jun	62.21715164	0.05218048	0.055181041	0.002648629	24.82124138	0.03235982	9.546411514	0.00098292	0.00098292	5.14314E-06	0.00403305	0.000629878	0.016836658	0.010952926	5.0681E-06	10.64035606	1.0451E-05	0.000108983	0.000147908	0.000961598
2069 Jul	62.32347488	0.05220712	0.055204634	0.00265063	24.85437775	0.032411333	9.565396309	0.000984412	0.000984412	5.15118E-06	0.004043693	0.000631559	0.016879557	0.010970608	5.07595E-06	10.65837669	1.04842E-05	0.000109258	0.000148122	0.000963064
2069 Aug	62.42872238	0.052261218	0.055245865	0.002653062	24.89328384	0.03247061	9.585870743	0.000985655	0.000985655	5.15801E-06	0.004050216	0.000632965	0.016920155	0.010986926	5.08257E-06	10.67563438	1.0499E-05	0.000109438	0.000148323	0.000964553
2069 Sep	62.41091919	0.052263755	0.055124115	0.002648215	24.87799454	0.032472875	9.5891819	0.000984615	0.000984615	5.15301E-06	0.004051868	0.000633461	0.016933255	0.010983195	5.07751E-06	10.67460442	1.04985E-05	0.000109458	0.000148204	0.000964096
2069 Oct	62.33300018	0.052295871	0.054920401	0.002640066	24.83237648	0.032459758	9.580080986	0.000982868	0.000982868	5.14404E-06	0.004054888	0.000633837	0.016925219	0.010977072	5.06862E-06	10.67006969	1.0496E-05	0.00010947	0.000147962	0.000962954
2069 Nov	62.32926559	0.052323271	0.054891665	0.002639076	24.82723999	0.03246605	9.578986168	0.000982816	0.000982816	5.14371E-06	0.004056999	0.000634092	0.016924858	0.010979622	5.06831E-06	10.67244625	1.04984E-05	0.000109511	0.000147951	0.000962962
2069 Dec	62.33023453	0.052324474	0.054892294	0.00263911	24.82758522	0.032466657	9.57912159	0.000982832	0.000982832	5.1438E-06	0.004057091	0.000634105	0.01692511	0.010979839	5.0684E-06	10.67265224	1.04985E-05	0.000109513	0.000147953	0.000962978
2070 Jan	62.33040619	0.052324757	0.054892261	0.002639109	24.82761383	0.032466717	9.579130173	0.000982834	0.000982834	5.1438E-06	0.004057107	0.000634109	0.016925113	0.010979939	5.0684E-06	10.67273331	1.04986E-05	0.000109514	0.000147954	0.000962981
2070 Feb	62.33059311	0.052324925	0.054892283	0.002639109	24.82765579	0.032466725	9.579143524	0.000982834	0.000982834	5.14381E-06	0.004057114	0.000634113	0.016925113	0.010980048	5.06841E-06	10.67281818	1.04986E-05	0.000109515	0.000147956	0.000962983
2070 Mar	62.33247757	0.052326515	0.054893866	0.002639184	24.82838821	0.03246766	9.579424858	0.000982863	0.000982863	5.14396E-06	0.004057234	0.000634134	0.016925596	0.010980422	5.06855E-06	10.67317009	1.04989E-05	0.000109519	0.000147961	0.000963012
2070 Apr	62.34354782	0.052335788	0.054903444	0.002639643	24.83276558	0.032473333	9.58111763	0.000983035	0.000983035	5.14486E-06	0.004057947	0.000634248	0.016928565	0.010982438	5.06944E-06	10.67511177	1.05008E-05	0.000109539	0.000147989	0.000963183
2070 May	62.40926361	0.052375641	0.054897606	0.00263928	24.84511185	0.0324797	9.586527824	0.000983494	0.000983494	5.14716E-06	0.004062472	0.000635782	0.016934419	0.011017134	5.07174E-06	10.70266342	1.05171E-05	0.000109919	0.000148549	0.000963996
2070 Jun	62.47248459	0.052320752	0.054675765	0.002628921	24.81731987	0.032410417	9.584532738	0.000982139	0.000982139	5.14009E-06	0.004069365	0.000639704	0.016925843	0.011102626	5.06477E-06	10.76651859	1.05568E-05	0.000110968	0.000150019	0.000964034
2070 Jul	62.59986115	0.052389584	0.054745346	0.002632737	24.86343384	0.032475248	9.60648632	0.000983954	0.000983954	5.14978E-06	0.004079116	0.000641337	0.01696945	0.011123915	5.07426E-06	10.78781128	1.05846E-05	0.000111223	0.000150295	0.000965897
2070 Aug	62.71366882	0.052453592	0.054804444	0.002635969	24.90619278	0.032538813	9.62741375	0.000985452	0.000985452	5.15786E-06	0.004086346	0.00064281	0.017009551	0.011142656	5.08215E-06	10.80675411	1.06017E-05	0.000111412	0.000150533	0.000967589
2070 Sep	62.70293808	0.052475207	0.054687772	0.002631428	24.89321327	0.032546669	9.63136673	0.000984568	0.000984568	5.15364E-06	0.004089174	0.000643414	0.017023556	0.011141012	5.07786E-06	10.80759525	1.06037E-05	0.000111452	0.000150431	0.000967284
2070 Oct	62.66604996	0.052503239	0.054569837	0.002626781	24.86964989	0.032544348	9.627897263	0.000983629	0.000983629	5.14887E-06	0.004091677	0.000643752	0.017022558	0.011138598	5.07311E-06	10.80632782	1.06039E-05	0.000111473	0.000150301	0.000966739
2070 Nov	62.66786957	0.052511692	0.054561794	0.002626512	24.86934662	0.032547258	9.628395081	0.00098362	0.00098362	5.14883E-06	0.004092369	0.000643853	0.017024014	0.011139434	5.07307E-06	10.80724812	1.0605E-05	0.000111487	0.000150301	0.000966772
2070 Dec	62.668293	0.052512348	0.054562002	0.002626525	24.86948586	0.03254756	9.62844944	0.000983628	0.000983628	5.14887E-06	0.004092418	0.00064386	0.017024122	0.011139544	5.07311E-06	10.80735207	1.06051E-05	0.000111488	0.000150302	0.000966779
2071 Jan	62.66846466	0.052512594	0.054562017	0.002626526	24.869524	0.032547627	9.628463745	0.00098363	0.00098363	5.14888E-06	0.004092434	0.000643864	0.017024137	0.011139628	5.07312E-06	10.80741978	1.06051E-05	0.000111489	0.000150303	0.000966782
2071 Feb	62.66862106	0.052512731	0.054562047	0.002626527	24.86956024	0.032547638	9.628475189	0.000983631	0.000983631	5.14888E-06	0.00409244	0.000643867	0.017024141	0.011139711	5.07312E-06	10.80748653	1.06051E-05	0.00011149	0.000150305	0.000966784
2071 Mar	62.66910553	0.052513145	0.054562408	0.002626544	24.86973953	0.032547854	9.628543854	0.000983638	0.000983638	5.14892E-06	0.004092469	0.000643873	0.017024249	0.011139828	5.07316E-06	10.80759048	1.06052E-05	0.000111491	0.000150306	0.000966791
2071 Apr	62.67392731	0.052517191	0.054566577	0.002626744	24.87164688	0.032550339	9.629281044	0.000983713	0.000983713	5.14931E-06	0.004092783	0.000643923	0.017025547	0.011140702	5.07355E-06	10.80843449	1.0606E-05	0.0001115	0.000150318	0.000966865
2071 May	62.72132111	0.052534744	0.05452539	0.002624661	24.87317276	0.03253926	9.631138802	0.000983683	0.000983683	5.14907E-06	0.00409602	0.000645488	0.01702432	0.011177597	5.07333E-06	10.83670044	1.06205E-05	0.000111911	0.000150936	0.000967322
2071 Jun	62.72831726	0.052399039	0.054199126	0.002609669	24.81225204	0.032426558	9.618667603	0.000981229	0.000981229	5.13624E-06	0.004101801	0.000649485	0.017000509	0.011263137	5.06069E-06	10.89818001	1.06627E-05	0.000113034	0.000152428	0.000966337
2071 Jul	62.81113052	0.052415755	0.054213244	0.002610989	24.83856392	0.032465	9.634549141	0.000982264	0.000982264	5.14192E-06	0.004109547	0.000650755	0.017035846	0.011275569	5.06621E-06	10.9113369	1.06876E-05	0.000113234	0.000152586	0.000967432
2071 Aug	62.93518829	0.052497864	0.054288261	0.002614856	24.88607979	0.032530941	9.656581879	0.000983904	0.000983904	5.15073E-06	0.004117277	0.000652211	0.017077576	0.011295754	5.07481E-06	10.93196964	1.07068E-05	0.00011345	0.000152852	0.000969233
2071 Sep	62.93987656	0.052502666	0.054205783	0.00261174	24.88129234	0.032544807	9.662208557	0.000983392	0.000983392	5.14841E-06	0.00411942	0.000652835	0.017094702	0.011295781	5.07242E-06	10.93434906	1.07072E-05	0.000113504	0.000152789	0.000969131
2071 Oct	62.92618942	0.052516688	0.054139581	0.002609127	24.87119675	0.032545503	9.662628174	0.000982845	0.000982845	5.14573E-06	0.004120804	0.00065307	0.017098665	0.011294022	5.06971E-06	10.93374443	1.07079E-05	0.000113513	0.000152719	0.000968881
2071 Nov	62.92032623	0.052546348	0.054106634	0.00260798	24.86487961	0.032551877	9.661143303	0.000982766	0.000982766	5.14525E-06	0.004123056	0.000653332	0.017097795	0.011296464	5.06927E-06	10.93603134	1.07102E-05	0.000113554	0.0001527	0.000968867
2071 Dec	62.92046738	0.052549157	0.05410511	0.002607937	24.86465073	0.032552671	9.661072731	0.000982775	0.000982775	5.14529E-06	0.004123266	0.000653356	0.017097775	0.011296791	5.06931E-06	10.93632317	1.07105E-05	0.000113559	0.0001527	0.000968877
2072 Jan	62.92082214	0.052549627	0.054105207	0.002607942	24.86474609	0.032552816	9.661108017	0.000982779	0.000982779	5.14531E-06	0.004123296	0.000653363	0.017097821	0.01129694	5.06933E-06	10.93644714	1.07105E-05	0.00011356	0.000152702	0.000968882
2072 Feb	62.92118835	0.052549951	0.05410536	0.002607947	24.86485481	0.032552905	9.661146164	0.000982782	0.000982782	5.14533E-06	0.004123313	0.00065337	0.017097861	0.011297096	5.06934E-06	10.93657494	1.07106E-05	0.000113562	0.000152705	0.000968888
2072 Mar	62.92176056	0.052550435	0.054105762	0.002607966	24.8650589	0.032553144	9.661223412	0.00098279	0.00098279	5.14537E-06	0.004123347	0.000653377	0.017097982	0.011297248	5.06938E-06	10.9367094	1.07107E-05	0.000113563	0.000152707	0.000968896
2072 Apr	62.93021011	0.052557494	0.054112975	0.002608313	24.86838341	0.03255748	9.662514687	0.000982921	0.000982921	5.14605E-06	0.004123898	0.000653465	0.017100258	0.011298792	5.07006E-06	10.93819523	1.07121E-05	0.000113579	0.000152728	0.000969026
2072 May	62.97324753	0.052593369	0.054149803	0.002610088	24.88536072	0.032579672	9.669118881	0.000983591	0.000983591	5.14956E-06	0.004126716	0.000653914	0.017111935	0.011306566	5.07352E-06	10.94570923	1.07194E-05	0.000113657	0.000152833	0.000969688
2072 Jun	62.90649796	0.0524216	0.053956073	0.002603003	24.83072281	0.032536015	9.655157089	0.000983046	0.000983046	5.14657E-06	0.004136657	0.000654891	0.01711094	0.011303592	5.07061E-06	10.94156456	1.07607E-05	0.000113936	0.000152686	0.000968448
2072 Jul	62.9704361	0.052407257	0.053936496	0.00260308	24.84650993	0.032572322	9.667853355	0.000983926	0.000983926	5.15139E-06	0.004144471	0.00065631	0.017142542	0.011315203	5.0753E-06	10.95313454	1.07837E-05	0.000114123	0.000152799	0.000969357
2072 Aug	63.00228882	0.052388046	0.053854261	0.002600348	24.84979439	0.032610487	9.678059578	0.000983885	0.000983885	5.15156E-06	0.004147787	0.000657566	0.017172987	0.011321254	5.07534E-06	10.96170712	1.07816E-05	0.00011426	0.000152776	0.000969617
2072 Sep	63.00140762	0.052384842	0.053761959	0.00259694	24.84111404	0.032628153	9.681519508	0.000983432	0.000983432	5.14945E-06	0.004150084	0.000658303	0.017188363	0.011322593	5.07318E-06	10.96518707	1.0779E-05	0.000114342	0.000152699	0.000969451
2072 Oct	62.9502449	0.052404672	0.053623207	0.00259137	24.81152534	0.032619603	9.676592827	0.000982194	0.000982194	5.14316E-06	0.004151857	0.000658528	0.017185248	0.011317102	5.06692E-06	10.96128464	1.07769E-05	0.000114335	0.000152521	0.000968673
2072 Nov	62.94681168	0.052415375	0.053604461	0.002590674	24.80836868	0.032621611	9.676277161	0.000982094	0.000982094	5.14264E-06	0.004152703	0.000658638	0.017185641	0.011317564	5.06641E-06	10.96187305	1.07777E-05	0.000114348	0.000152506	0.000968636
2072 Dec	62.94729614	0.052416105	0.053604692	0.002590688	24.80852699	0.03262195	9.676338196	0.000982102	0.000982102	5.14269E-06	0.004152759	0.000658646	0.017185763	0.011317688	5.06645E-06	10.96199036	1.07778E-05	0.00011435	0.000152507	0.000968644
2073 Jan	62.94754791	0.052416433	0.05360477	0.002590692	24.80859756	0.032622054	9.676363945	0.000982105	0.000982105	5.1427E-06	0.00415278	0.000658651	0.017185798	0.011317792	5.06647E-06	10.96207714	1.07778E-05	0.000114351	0.000152509	0.000968648
2073 Feb	62.94792938	0.05241676	0.053604979	0.002590701	24.80871964	0.032622177	9.676408768	0.00098211	0.00098211	5.14273E-06	0.0041528	0.000658656	0.017185858	0.011317922	5.06649E-06	10.96218681	1.07779E-05	0.000114352	0.000152511	0.000968654
2073 Mar	62.94909286	0.052417729	0.05360591	0.002590746	24.80916214	0.032622743	9.676581383	0.000982127	0.000982127	5.14282E-06	0.004152874	0.000658669	0.017186152	0.011318165	5.06658E-06	10.96241283	1.07781E-05	0.000114355	0.000152514	0.000968671
2073 Apr	62.96780777	0.052433316	0.053621806	0.002591514	24.81652832	0.032632414	9.67945385	0.000982418	0.000982418	5.14434E-06	0.004154108	0.000658866	0.017191246	0.011321548	5.06808E-06	10.96568489	1.07813E-05	0.000114389	0.00015256	0.000968959
2073 May	63.03463745	0.052467886	0.053578556	0.002589272	24.8197422	0.032620724	9.680936813	0.000982582	0.000982582	5.14496E-06	0.004159065	0.000661008	0.017187199	0.011373424	5.06877E-06	11.00531864	1.08016E-05	0.000114961	0.000153413	0.000969683
2073 Jun	63.08515549	0.052400477	0.053336028	0.002577931	24.78235626	0.032538068	9.674021721	0.000981069	0.000981069	5.13692E-06	0.004166098	0.000665071	0.017169185	0.011464556	5.06088E-06	11.07239723	1.08432E-05	0.000116084	0.000154974	0.000969524
2073 Jul	63.19441605	0.052440654	0.053374894	0.002580258	24.82213974	0.032591596	9.696122169	0.000982289	0.000982289	5.14371E-06	0.004173326	0.000666496	0.017213134	0.011479788	5.06745E-06	11.08868885	1.08647E-05	0.000116267	0.000155186	0.000971018
2073 Aug	63.30538559	0.052502513	0.053430781	0.002583313	24.86377335	0.032652464	9.716727257	0.000983709	0.000983709	5.1514E-06	0.004180298	0.000667925	0.017252615	0.011497896	5.07494E-06	11.10708332	1.08816E-05	0.000116453	0.000155419	0.000972647
2073 Sep	63.32843781	0.052516699	0.053385392	0.002581706	24.86870384	0.032670408	9.724915504	0.000983534	0.000983534	5.15083E-06	0.004182639	0.000668527	0.017272189	0.011499855	5.07427E-06	11.111063	1.08849E-05	0.000116509	0.000155412	0.000972834

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2073 Oct	63.28821945	0.052535646	0.053268764	0.002577043	24.84499741	0.032664958	9.721592903	0.000982505	0.000982505	5.14563E-06	0.004184299	0.000668744	0.017271224	0.011495193	5.06909E-06	11.10794258	1.08835E-05	0.000116503	0.000155261	0.000972214
2073 Nov	63.28317642	0.052544665	0.053246483	0.002576191	24.84115791	0.032666143	9.721282959	0.000982354	0.000982354	5.14486E-06	0.004185029	0.000668841	0.017271759	0.011495115	5.06833E-06	11.10811615	1.0884E-05	0.000116512	0.000155238	0.000972144
2073 Dec	63.2848587	0.052546389	0.05324772	0.002576254	24.84178352	0.0326671	9.721529007	0.000982381	0.000982381	5.14501E-06	0.004185164	0.000668861	0.017272206	0.011495458	5.06847E-06	11.10844421	1.08843E-05	0.000116516	0.000155242	0.000972171
2074 Jan	63.2851944	0.052546792	0.053247854	0.002576261	24.84188461	0.032667249	9.7215662	0.000982385	0.000982385	5.14503E-06	0.004185191	0.000668867	0.017272262	0.011495577	5.06849E-06	11.1085453	1.08844E-05	0.000116517	0.000155244	0.000972176
2074 Feb	63.28543854	0.052547008	0.053247955	0.002576265	24.84195518	0.032667302	9.721590996	0.000982388	0.000982388	5.14504E-06	0.004185203	0.000668872	0.017272286	0.011495685	5.0685E-06	11.10863304	1.08844E-05	0.000116518	0.000155246	0.0009721 8
2074 Mar	63.28709412	0.052548386	0.053249285	0.002576329	24.84258842	0.032668117	9.721837997	0.000982412	0.000982412	5.14517E-06	0.00418531	0.00066889	0.017272715	0.01149602	5.06863E-06	11.1089468	1.08847E-05	0.000116521	0.00015525	0.000972205
2074 Apr	63.30264282	0.052561294	0.053262331	0.002576959	24.8486824	0.032676119	9.724222183	0.000982653	0.000982653	5.14643E-06	0.004186336	0.000669055	0.017276943	0.011498863	5.06987E-06	11.11168861	1.08874E-05	0.00011655	0.000155289	0.000972443
2074 May	63.39204407	0.052600708	0.053189062	0.002573195	24.85050774	0.032654092	9.725975037	0.000982688	0.000982688	5.14634E-06	0.00419274	0.000672072	0.017270526	0.011571884	5.06987E-06	11.16729259	1.09153E-05	0.000117358	0.000156502	0.000973344
2074 Jun	63.41632462	0.052468423	0.0528345	0.00255626	24.79078674	0.032521475	9.715939522	0.000979545	0.000979545	5.13009E-06	0.004195616	0.000676595	0.017243478	0.011675225	5.05379E-06	11.24198532	1.09533E-05	0.000118629	0.000158368	0.000972345
2074 Jul	63.55537415	0.052544694	0.052909449	0.002560301	24.84172058	0.032590624	9.740498543	0.000981422	0.000981422	5.14018E-06	0.004205644	0.000678332	0.017291507	0.011698026	5.06365E-06	11.26496601	1.0982E-05	0.000118897	0.000158675	0.000974347
2074 Aug	63.70861816	0.052656226	0.053017374	0.002565667	24.90096474	0.032669675	9.766173363	0.000983578	0.000983578	5.15163E-06	0.004215383	0.000680052	0.017338632	0.0117244	5.07488E-06	11.29111767	1.10073E-05	0.000119171	0.000159032	0.000976623
2074 Sep	63.7191391	0.052672572	0.052944727	0.002562944	24.89949799	0.032684479	9.77312851	0.000983124	0.000983124	5.14964E-06	0.004217831	0.000680643	0.017356955	0.011724357	5.0728E-06	11.2935133	1.10097E-05	0.000119214	0.000158979	0.000976621
2074 Oct	63.70388794	0.052700382	0.052871685	0.002560142	24.88771248	0.032688584	9.772791862	0.000982609	0.000982609	5.14707E-06	0.004220107	0.000680954	0.017360026	0.011723529	5.07023E-06	11.2937479	1.10113E-05	0.000119236	0.0001589	0.000976395
2074 Nov	63.70641327	0.052707303	0.052865293	0.00255993	24.88794518	0.032691348	9.773535728	0.000982601	0.000982601	5.14705E-06	0.004220679	0.000681042	0.017361859	0.011724148	5.0702E-06	11.2945137	1.10122E-05	0.000119247	0.0001589	0.000976431
2074 Dec	63.70782089	0.052708745	0.052866239	0.002559979	24.88846588	0.032692142	9.773749352	0.000982623	0.000982623	5.14717E-06	0.004220793	0.00068106	0.01736225	0.011724433	5.07032E-06	11.29478836	1.10125E-05	0.00011925	0.000158904	0.000976453
2075 Jan	63.70817947	0.052709159	0.052866399	0.002559987	24.8885746	0.032692302	9.773790359	0.000982628	0.000982628	5.14719E-06	0.004220821	0.000681066	0.017362313	0.011724556	5.07034E-06	11.29489326	1.10126E-05	0.000119251	0.000158905	0.000976459
2075 Feb	63.70880508	0.052709684	0.052866809	0.002560006	24.88879395	0.032692555	9.773873329	0.000982635	0.000982635	5.14723E-06	0.004220858	0.000681074	0.017362442	0.01172473	5.07038E-06	11.29504585	1.10127E-05	0.000119253	0.000158908	0.000976468
2075 Mar	63.71177673	0.052712154	0.052869223	0.002560122	24.88994217	0.032694042	9.77432251	0.00098268	0.00098268	5.14747E-06	0.004221052	0.000681107	0.017363228	0.01172531	5.07061E-06	11.29559612	1.10132E-05	0.000119259	0.000158916	0.000976513
2075 Apr	63.72580719	0.052723762	0.052880827	0.002560684	24.89541245	0.032701217	9.776470184	0.000982896	0.000982896	5.1486E-06	0.00422198	0.000681257	0.017367037	0.01172791	5.07173E-06	11.2980957	1.10156E-05	0.000119285	0.000158951	0.000976728
2075 May	63.77565002	0.052759897	0.052896049	0.002561378	24.90866089	0.032714367	9.781627655	0.00098344	0.00098344	5.15137E-06	0.004225448	0.000682178	0.017374331	0.011747967	5.07448E-06	11.3145647	1.10266E-05	0.000119501	0.000159264	0.000977414
2075 Jun	63.61968231	0.052469123	0.052586786	0.002549478	24.81173134	0.032623794	9.75433445	0.000981676	0.000981676	5.14204E-06	0.004233997	0.00068262	0.017358603	0.011726962	5.06532E-06	11.2938509	1.10697E-05	0.000119701	0.000158832	0.000974719
2075 Jul	63.65912247	0.052415825	0.052527275	0.002547946	24.81332588	0.032640964	9.762589455	0.000982249	0.000982249	5.14525E-06	0.004243039	0.000683931	0.017387319	0.011733678	5.06842E-06	11.30115795	1.11012E-05	0.000119921	0.00015887	0.000975135
2075 Aug	63.75944519	0.052466501	0.052567918	0.002550295	24.85049057	0.032695938	9.782108307	0.000983426	0.000983426	5.15171E-06	0.004249203	0.00068526	0.017425502	0.011749358	5.07469E-06	11.31753922	1.1116E-05	0.00012009	0.000159071	0.000976559
2075 Sep	63.81252289	0.052503318	0.052577212	0.002551021	24.86954498	0.032724842	9.793354988	0.000983902	0.000983902	5.15444E-06	0.004252792	0.000685976	0.01744804	0.011756893	5.0773E-06	11.32612133	1.11246E-05	0.000120184	0.000159163	0.000977259
2075 Oct	63.80990219	0.05252558	0.052534819	0.002549438	24.86487961	0.032730784	9.794552803	0.000983649	0.000983649	5.15322E-06	0.004254601	0.000686245	0.01745257	0.011757297	5.07607E-06	11.32728767	1.11266E-05	0.000120208	0.000159127	0.000977211
2075 Nov	63.8167038	0.052537788	0.052533969	0.00254949	24.86675072	0.032736119	9.795620918	0.000983743	0.000983743	5.15371E-06	0.004255556	0.000686382	0.017454874	0.011759085	5.07655E-06	11.32905674	1.11284E-05	0.00012023	0.000159141	0.000977326
2075 Dec	63.81800842	0.052539486	0.052534666	0.002549531	24.86719131	0.032736957	9.795800209	0.000983764	0.000983764	5.15382E-06	0.004255689	0.000686401	0.017455216	0.011759391	5.07666E-06	11.32934761	1.11287E-05	0.000120233	0.000159144	0.000977348
2076 Jan	63.81837845	0.052539952	0.052534796	0.002549538	24.86730003	0.032737117	9.795840263	0.000983769	0.000983769	5.15384E-06	0.00425572	0.000686408	0.017455274	0.011759534	5.07668E-06	11.32946873	1.11287E-05	0.000120234	0.000159146	0.000977354
2076 Feb	63.81955719	0.052540939	0.052535627	0.002549577	24.86772537	0.032737628	9.796003342	0.000983785	0.000983785	5.15393E-06	0.004255792	0.000686423	0.017455541	0.011759831	5.07676E-06	11.32973289	1.11289E-05	0.000120237	0.000159151	0.000977371
2076 Mar	63.82241058	0.052543294	0.052537899	0.002549686	24.86881828	0.03273904	9.796433449	0.000983828	0.000983828	5.15415E-06	0.004255979	0.000686455	0.017456289	0.0117604	5.07698E-06	11.33026886	1.11294E-05	0.000120243	0.000159159	0.000977415
2076 Apr	63.83060074	0.052550044	0.052544601	0.002550011	24.87199974	0.032743212	9.797684669	0.000983953	0.000983953	5.15481E-06	0.004256523	0.000686544	0.017458513	0.011761933	5.07763E-06	11.33173943	1.11308E-05	0.000120259	0.000159179	0.0009775 4
2076 May	63.89664078	0.052591987	0.052537709	0.002549574	24.88333893	0.032747909	9.802176476	0.000984428	0.000984428	5.15714E-06	0.004261213	0.000688151	0.017462157	0.011799267	5.07998E-06	11.36111259	1.11478E-05	0.000120666	0.000159781	0.000978364
2076 Jun	63.90830994	0.052462589	0.052214593	0.002534478	24.82273102	0.03262876	9.788784981	0.000981907	0.000981907	5.1439E-06	0.004266261	0.000692277	0.017433506	0.011891792	5.06695E-06	11.42747021	1.1189E-05	0.000121846	0.000161408	0.000977417
2076 Jul	63.99629211	0.05248091	0.052230332	0.002535817	24.85222054	0.032670032	9.806799889	0.000982882	0.000982882	5.14937E-06	0.004273326	0.000693561	0.017471863	0.011903946	5.07222E-06	11.44066906	1.12115E-05	0.000122026	0.000161571	0.000978571
2076 Aug	64.12696075	0.052566465	0.052305833	0.002539773	24.90142441	0.032739945	9.829694748	0.000984627	0.000984627	5.15872E-06	0.004281751	0.000695166	0.017515412	0.011926326	5.08137E-06	11.46317863	1.12322E-05	0.000122265	0.000161863	0.000980483
2076 Sep	64.17989349	0.052606098	0.052314416	0.002540486	24.92019463	0.032769371	9.84074688	0.000985116	0.000985116	5.1615E-06	0.004285524	0.000695898	0.017537614	0.011934183	5.08403E-06	11.47200775	1.1241E-05	0.000122363	0.000161956	0.00098119
2076 Oct	64.14599609	0.052616317	0.052219387	0.002536649	24.9012661	0.03276369	9.83859539	0.00098421	0.00098421	5.15696E-06	0.004286363	0.000696005	0.017537812	0.011928699	5.0795E-06	11.46819878	1.12389E-05	0.000122339	0.000161816	0.000980646
2076 Nov	64.14299011	0.052624241	0.052203063	0.002536033	24.89871979	0.032765191	9.838536263	0.000984106	0.000984106	5.15644E-06	0.004286975	0.000696085	0.017538551	0.011928679	5.07898E-06	11.46840858	1.12394E-05	0.000122346	0.000161799	0.000980606
2076 Dec	64.14443207	0.052625746	0.052204076	0.002536085	24.89924812	0.032766018	9.838745117	0.000984129	0.000984129	5.15656E-06	0.004287094	0.000696103	0.017538937	0.011928983	5.0791E-06	11.46869755	1.12397E-05	0.000122349	0.000161802	0.000980629
2077 Jan	64.14469147	0.052626081	0.052204154	0.00253609	24.8993206	0.032766126	9.83877182	0.000984132	0.000984132	5.15657E-06	0.004287117	0.000696108	0.017538972	0.011929089	5.07911E-06	11.46878624	1.12397E-05	0.00012235	0.000161804	0.000980633
2077 Feb	64.14517212	0.052626479	0.052204438	0.002536103	24.89948082	0.032766301	9.838832855	0.000984138	0.000984138	5.1566E-06	0.004287143	0.000696115	0.01753906	0.011929235	5.07914E-06	11.46891117	1.12398E-05	0.000122351	0.000161806	0.00098064
2077 Mar	64.14626312	0.052627385	0.052205272	0.002536142	24.8998909	0.032766819	9.838994026	0.000984154	0.000984154	5.15669E-06	0.004287214	0.000696127	0.017539335	0.011929471	5.07922E-06	11.46912861	1.124E-05	0.000122354	0.000161809	0.000980656
2077 Apr	64.15622711	0.052635565	0.052213352	0.002536535	24.90375137	0.032771889	9.840517998	0.000984306	0.000984306	5.15748E-06	0.004287878	0.000696236	0.017542047	0.011931344	5.08001E-06	11.47092438	1.12417E-05	0.000122373	0.000161835	0.000980808
2077 May	64.20870972	0.052664574	0.052199401	0.002535769	24.91161537	0.032772329	9.8441782	0.000984575	0.000984575	5.1588E-06	0.004291425	0.000697583	0.017544871	0.011962513	5.08133E-06	11.49534988	1.12554E-05	0.000122715	0.000162346	0.000981423
2077 Jun	64.20470428	0.052526038	0.051896084	0.002521665	24.85342979	0.032660596	9.832242966	0.000982046	0.000982046	5.14566E-06	0.004294888	0.000701006	0.017521219	0.01203706	5.06836E-06	11.54835224	1.12902E-05	0.000123695	0.000163682	0.000980315
2077 Jul	64.33786774	0.052603196	0.051970154	0.002525767	24.89995766	0.032727219	9.85347271	0.000984073	0.000984073	5.15636E-06	0.004306183	0.000702779	0.017564295	0.012061624	5.07887E-06	11.57227993	1.13228E-05	0.000124004	0.000163996	0.000982277
2077 Aug	64.47603607	0.052694775	0.052050725	0.002529939	24.95222092	0.032799505	9.877804756	0.000985881	0.000985881	5.16607E-06	0.004314937	0.000704435	0.017610421	0.012084931	5.08836E-06	11.59586906	1.13449E-05	0.000124257	0.000164306	0.000984274
2077 Sep	64.43345642	0.052675355	0.051902451	0.002524004	24.92692566	0.03279759	9.877419472	0.000984535	0.000984535	5.15945E-06	0.004315182	0.000704753	0.017619366	0.012076012	5.08171E-06	11.59056282	1.1337E-05	0.000124235	0.00016408	0.000983445
2077 Oct	64.42837524	0.052705862	0.05185423	0.002522237	24.9205265	0.032805156	9.877849579	0.000984285	0.000984285	5.15821E-06	0.004317523	0.000705061	0.017622845	0.012076868	5.08046E-06	11.59210777	1.13393E-05	0.000124266	0.000164036	0.000983393
2077 Nov	64.43623352	0.052713502	0.051858883	0.002522485	24.92340851	0.032809518	9.879110336	0.000984398	0.000984398	5.1588E-06	0.004318144	0.000705161	0.017625198	0.012078395	5.08105E-06	11.59360313	1.13408E-05	0.000124282	0.000164054	0.000983513
2077 Dec	64.4376297	0.052714922	0.051859859	0.002522535	24.92391968	0.032810304	9.879313469	0.00098442	0.00098442	5.15892E-06	0.004318257	0.000705178	0.01762557	0.012078688	5.08116E-06	11.59388065	1.13411E-05	0.000124285	0.000164058	0.000983535
2078 Jan	64.43817902	0.052715473	0.051860191	0.002522552	24.9241066	0.032810569	9.879385948	0.000984428	0.000984428	5.15896E-06	0.004318298	0.000705186	0.017625691	0.012078838	5.0812E-06	11.59401512	1.13412E-05	0.000124287	0.00016406	0.000983544
2078 Feb	64.43869781	0.052715909	0.051860522	0.002522567	24.9242878	0.03281077	9.879454613	0.000984434	0.000984434	5.15899E-06	0.004318328	0.000705193	0.017625796	0.012078987	5.08123E-06	11.59414482	1.13413E-05	0.000124288	0.000164062	0.000983551
2078 Mar	64.43952942	0.052716598	0.051861145	0.002522597	24.92459679	0.032811161	9.879575729	0.000984446	0.000984446	5.15906E-06	0.004318382	0.000705203	0.017626004	0.01207917	5.0813E-06	11.59431362	1.13414E-05	0.00012429	0.000164065	0.000983564
2078 Apr	64.45782471	0.05273157	0.051875845	0.002523311	24.93166924	0.032820459	9.882378578	0.000984726	0.000984726	5.16052E-06	0.004319606	0.000705403	0.017630996	0.012082616	5.08274E-06	11.5976162	1.13446E-05	0.000124326	0.000164112	0.000983843
2078 May	64.54106903	0.052763652	0.051779218	0.002518333	24.92607307	0.032784525	9.880735397	0.000984499	0.000984499	5.15897E-06	0.004325619	0.000708665	0.017616479	0.012164143	5.08132E-06	11.65882206	1.13731E-05	0.000125226	0.000165477	0.000984595
2078 Jun	64.57284546	0.052674435	0.051529914	0.002506285	24.888834	0.032690927	9.87661171	0.000982231	0.000982231	5.14735E-06	0.004327416	0.000712054	0.017601192	0.012241707	5.06979E-06	11.71546268	1.14006E-05	0.000126164	0.000166892	0.000984022
2078 Jul	64.72410583	0.052771434	0.051623575	0.002511151	24.94506645	0.032768551	9.902013779	0.000984374	0.000984374	5.15874E-06	0.004337956	0.000713922	0.017649135	0.01226875	5.08097E-06	11.74187946	1.1429E-05	0.000126455	0.000167253	0.000986276
2078 Aug	64.81711578	0.052805793	0.051646918	0.002512828	24.97829819	0.032822888	9.92103672	0.000985423	0.000985423	5.16457E-06	0.004343825	0.000715323	0.017687183	0.012283563	5.0866E-06	11.75725651	1.1442E-05	0.000126608	0.000167431	0.000987617
2078 Sep	64.86911774	0.05283853	0.05164827	0.0025133	24.99584579	0.032854948	9.931848526	0.000985915	0.000985915	5.16736E-06	0.004347611	0.000716135	0.01771041	0.012291764	5.08928E-06	11.76657963	1.14492E-05	0.000126719	0.000167515	0.000988296
2078 Oct	64.8682251	0.052851863	0.05160759	0.002511731	24.99284172	0.032859433	9.934386253	0.000985596	0.000985596	5.16587E-06	0.004348788	0.000716347	0.017717319	0.012290548	5.08776E-06	11.76660919	1.14505E-05	0.000126725	0.00016747	0.000988227
2078 Nov	64.87187958	0.052860726	0.051602259	0.002511576	24.99348068	0.032863051	9.935237885	0.000985614	0.000985614	5.16598E-06	0.004349492	0.000716451	0.017719347	0.012291458	5.08786E-06	11.76764202	1.14517E-05	0.000126738	0.000167473	0.000988285
2078 Dec	64.87285614	0.052861813	0.051602889	0.00251161	24.99382973	0.032863628	9.935375214	0.000985629	0.000985629	5.16606E-06	0.004349578	0.000716464	0.017719604	0.012291673	5.08795E-06	11.76784515	1.14519E-05	0.00012674	0.000167475	0.000988301
2079 Jan	64.87301636	0.052862059	0.051602904	0.002511611	24.99386597	0.032863691	9.935389519	0.000985631	0.000985631	5.16607E-06	0.004349594	0.000716467	0.017719617	0.012291755	5.08795E-06	11.76791286	1.1452E-05	0.000126741	0.000167477	0.000988303
2079 Feb	64.87316895	0.052862193	0.051602934	0.002511611	24.99390221	0.032863703	9.935400009	0.000985632	0.000985632	5.16608E-06	0.004349599	0.00071647	0.017719619	0.012291836	5.08796E-06	11.76797581	1.1452E-05	0.000126742	0.000167478	0.000988305
2079 Mar	64.87507629	0.052863751	0.051604398	0.002511682	24.99462318	0.032864634	9.935686111	0.00098566	0.00098566	5.16622E-06	0.004349724	0.000716492	0.01772012	0.012292226	5.0881E-06	11.76834202	1.14523E-05	0.000126746	0.000167483	0.000988334
2079 Apr	64.8855896	0.052872322	0.051612735	0.002512087	24.99866867	0.032869942	9.937293053	0.000985819	0.000985819	5.16706E-06	0.004350428	0.000716609	0.017722979	0.012294235	5.08893E-06	11.77026176	1.14542E-05	0.000126767	0.000167511	0.000988494
2079 May	64.93232727	0.052908726	0.051642273	0.002513512	25.01490784	0.03288994	9.943775177	0.000986459	0.000986459	5.1704E-06	0.00435358	0.000717235	0.017733993	0.012306179	5.09222E-06	11.78090477	1.14631E-05	0.000126893	0.000167686	0.000989182
2079 Jun	64.80125427	0.052628458	0.051271725	0.002497921	24.91098595	0.032761764	9.914312363	0.000983804	0.000983804	5.15637E-06	0.004360021	0.000718987	0.017702308	0.012326123	5.07844E-06	11.78992558	1.15066E-05	0.000127487	0.000168012	0.000986496
2079 Jul	64.8401413	0.05258099	0.051220901	0.002496568	24.91580772	0.032779153	9.92407608	0.000984202	0.000984202	5.15876E-06	0.004366978	0.000720101	0.017731264	0.01233045	5.0807E-06	11.79543495	1.15312E-05	0.000127645	0.000168035	0.000986895
2079 Aug	64.96138	0.05265421	0.051286038	0.002500097	24.9606514	0.032845784	9.945355415	0.000985851	0.000985851	5.16759E-06	0.004375035	0.000721699	0.017771794	0.012352169	5.08933E-06	11.81681252	1.15506E-05	0.000127868	0.000168313	0.000988712
2079 Sep	64.96507263	0.052675597	0.051210377	0.002497259	24.95658112	0.032859582	9.950817108	0.00098536	0.00098536	5.16536E-06	0.004377483	0.00072222	0.017787289	0.012351194	5.08703E-06	11.8182745	1.15523E-05	0.000127899	0.000168236	0.000988648
2079 Oct	64.94829559	0.052698702	0.051144931	0.002494729	24.94538879	0.032862175	9.950223923	0.000984856	0.000984856	5.16284E-06	0.004379178	0.000722427	0.017789433	0.012349166	5.08451E-06	11.81741619	1.15526E-05	0.000127903	0.000168147	0.000988402
2079 Nov	64.93816376	0.052716076	0.051113091	0.002493537	24.93867493	0.032864336	9.948807716	0.000984663	0.000984663	5.16182E-06	0.004380386	0.000722547	0.017788419	0.012349049	5.08351E-06	11.81755257	1.1553E-05	0.000127914	0.000168106	0.000988291
2079 Dec	64.927742	0.052730646	0.051088851	0.002492637	24.93234444	0.032865431	9.946796417	0.000984528	0.000984528	5.16107E-06	0.004381351	0.000722622	0.017785883	0.012349126	5.08279E-06	11.81763077	1.15531E-05	0.000127924	0.000168072	0.000988187
2080 Jan	64.92791748	0.052731052	0.051088724	0.002492632	24.93235397	0.03286548	9.946796417	0.00098453	0.00098453	5.16108E-06	0.004381372	0.000722628	0.017785858	0.012349275	5.08279E-06	11.81774712	1.15532E-05	0.000127926	0.000168074	0.00098819
2080 Feb	64.92845917	0.052731518	0.051088948	0.00249264	24.93251038	0.03286561	9.946852684	0.000984535	0.000984535	5.1611E-06	0.004381398	0.000722638	0.017785918	0.012349498	5.08282E-06	11.81792927	1.15533E-05	0.000127928	0.000168078	0.000988197
2080 Mar	64.9288559	0.05273186	0.051089156	0.002492649	24.93264008	0.032865737	9.946900368	0.000984539	0.000984539	5.16113E-06	0.00438142	0.000722644	0.017785981	0.012349641	5.08284E-06	11.81804848	1.15533E-05	0.000127929	0.00016808	0.000988203
2080 Apr	64.93618011	0.052737813	0.051094852	0.002492926	24.93543434	0.032869399	9.948013306	0.000984649	0.000984649	5.1617E-06	0.00438191	0.000722726	0.017787959	0.01235107	5.08341E-06	11.81940651	1.15546E-05	0.000127944	0.0001681	0.000988314
2080 May	64.9832077	0.052775361	0.051130254	0.002494651	24.95321655	0.032892514	9.9551754	0.000985343	0.000985343	5.16534E-06	0.004385062	0.000723267	0.017800691	0.012360437	5.08699E-06	11.82826519	1.15631E-05	0.000128041	0.00016823	0.000989023
2080 Jun	64.88906097	0.052577835	0.050924957	0.002486989	24.890131	0.032837268	9.937837601	0.000984459	0.000984459	5.16061E-06	0.004393067	0.00072379	0.017794382	0.012348335	5.08236E-06	11.81629562	1.15995E-05	0.000128227	0.000167952	0.000987377
2080 Jul	64.91091919	0.052501582	0.050845355	0.002484547	24.8856945	0.032849487	9.944903374	0.000984688	0.000984688	5.1621E-06	0.004400199	0.000724954	0.017820811	0.012350546	5.08374E-06	11.81949329	1.16243E-05	0.000128377	0.000167923	0.000987553
2080 Aug	64.99678802	0.052533209	0.050864078	0.002486019	24.91587067	0.032901317	9.962306023	0.000985679	0.000985679	5.16758E-06	0.004405828	0.000726298	0.017856125	0.012364717	5.08904E-06	11.83413219	1.16361E-05	0.000128526	0.000168086	0.0009888

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2080 Sep	65.01029968	0.052539583	0.050808333	0.002484049	24.91626358	0.032920424	9.968265533	0.000985471	0.000985471	5.16677E-06	0.004407914	0.0007269	0.017873313	0.012365948	5.08816E-06	11.83750343	1.16359E-05	0.000128584	0.000168042	0.000988864
2080 Oct	64.99679565	0.052565079	0.050745096	0.002481622	24.90640068	0.032924529	9.968295097	0.000985003	0.000985003	5.16445E-06	0.004409766	0.000727138	0.017876543	0.012364388	5.08583E-06	11.83713627	1.16367E-05	0.000128592	0.00016796	0.000988663
2080 Nov	64.98200226	0.052590359	0.050703101	0.002480061	24.89683342	0.032927454	9.965837479	0.000984764	0.000984764	5.16316E-06	0.004411464	0.000727295	0.017874086	0.012364501	5.08457E-06	11.83744526	1.16372E-05	0.000128609	0.000167905	0.000988512
2080 Dec	64.98182678	0.052593619	0.050700985	0.002479996	24.89643478	0.032928284	9.965709686	0.000984769	0.000984769	5.16317E-06	0.004411694	0.000727319	0.017873989	0.012364801	5.08459E-06	11.83771706	1.16374E-05	0.000128613	0.000167904	0.000988519
2081 Jan	64.9822998	0.052594192	0.050701179	0.002480006	24.89657974	0.032928497	9.965763092	0.000984775	0.000984775	5.16321E-06	0.004411733	0.000727328	0.01787407	0.012364974	5.08462E-06	11.83786488	1.16375E-05	0.000128615	0.000167907	0.000988526
2081 Feb	64.9826889	0.05259452	0.050701331	0.002480012	24.89668846	0.032928586	9.965803146	0.000984779	0.000984779	5.16322E-06	0.004411751	0.000727334	0.017874112	0.012365134	5.08464E-06	11.83799458	1.16376E-05	0.000128617	0.000167909	0.000988532
2081 Mar	64.9837265	0.052595373	0.050702062	0.002480047	24.89706612	0.032929055	9.965952873	0.000984793	0.000984793	5.1633E-06	0.004411818	0.000727347	0.017874364	0.01236538	5.08471E-06	11.83821774	1.16378E-05	0.000128619	0.000167913	0.000988547
2081 Apr	64.99507904	0.05260453	0.050710708	0.002480468	24.90137863	0.032934684	9.967682838	0.000984962	0.000984962	5.16418E-06	0.004412577	0.000727477	0.017877437	0.012367624	5.08558E-06	11.84034348	1.16398E-05	0.000128642	0.000167944	0.000988719
2081 May	65.07787323	0.052649632	0.050662559	0.002477886	24.90597343	0.032919966	9.969293594	0.000985183	0.000985183	5.16504E-06	0.004418454	0.000730087	0.017871397	0.012431949	5.08652E-06	11.8894043	1.16642E-05	0.000129345	0.000169005	0.000989625
2081 Jun	65.11943054	0.052596267	0.050494801	0.002469797	24.88562775	0.032860175	9.969045639	0.000983819	0.000983819	5.15808E-06	0.004421144	0.000732768	0.017865481	0.01249192	5.07961E-06	11.93396473	1.16885E-05	0.00013007	0.000170085	0.000989479
2081 Jul	65.284935	0.052712202	0.050605435	0.002475382	24.94769478	0.032942355	9.996095657	0.000986176	0.000986176	5.17057E-06	0.004432587	0.000734715	0.017915864	0.012521852	5.09187E-06	11.9631567	1.172E-05	0.000130398	0.000170494	0.000991925
2081 Aug	65.4441452	0.052826241	0.05071019	0.002480648	25.00810623	0.033023249	10.02271557	0.000988369	0.000988369	5.18223E-06	0.00444293	0.000736573	0.017965097	0.012550265	5.1033E-06	11.99113846	1.17471E-05	0.0001307	0.00017088	0.000994267
2081 Sep	65.48894501	0.052852705	0.050700024	0.002480587	25.02287102	0.033051148	10.03324604	0.000988663	0.000988663	5.18404E-06	0.004446161	0.000737305	0.017987991	0.012556245	5.105E-06	11.9986372	1.17532E-05	0.00013079	0.000170936	0.000994812
2081 Oct	65.50062561	0.052872855	0.050680097	0.002479917	25.02548409	0.033060785	10.03703594	0.000988615	0.000988615	5.18393E-06	0.004447838	0.000737593	0.017996486	0.012557602	5.10485E-06	12.00083733	1.17563E-05	0.000130816	0.000170934	0.000994949
2081 Nov	65.48467255	0.052879419	0.050640617	0.002478334	25.01696396	0.033058606	10.03565216	0.000988243	0.000988243	5.18205E-06	0.004448222	0.000737616	0.017995663	0.012555075	5.10297E-06	11.99901009	1.17551E-05	0.000130803	0.000170867	0.000994712
2081 Dec	65.48376465	0.052883264	0.050636727	0.0024782	25.01616287	0.033059414	10.03543854	0.000988233	0.000988233	5.18199E-06	0.00444849	0.000737643	0.01799549	0.012555296	5.10292E-06	11.99922752	1.17553E-05	0.000130807	0.000170864	0.000994709
2082 Jan	65.48400879	0.052883677	0.050636705	0.0024782	25.01620674	0.033059504	10.03545284	0.000988236	0.000988236	5.182E-06	0.004448513	0.000737649	0.017995495	0.012555439	5.10293E-06	11.99934292	1.17554E-05	0.000130808	0.000170866	0.000994713
2082 Feb	65.48468018	0.052884243	0.050637051	0.002478215	25.01642036	0.03305972	10.03553295	0.000988243	0.000988243	5.18204E-06	0.00444855	0.00073766	0.017995603	0.01255567	5.10297E-06	11.99953651	1.17555E-05	0.000130811	0.000170869	0.000994722
2082 Mar	65.48643494	0.05288567	0.050638311	0.002478275	25.01706314	0.033060536	10.03578854	0.000988268	0.000988268	5.18217E-06	0.004448664	0.000737681	0.017996045	0.012556061	5.10309E-06	11.9998951	1.17558E-05	0.000130815	0.000170875	0.000994748
2082 Apr	65.49492645	0.052892536	0.05064483	0.002478593	25.0202961	0.03306479	10.03708363	0.000988395	0.000988395	5.18284E-06	0.004449238	0.000737777	0.017998355	0.012557722	5.10375E-06	12.00147438	1.17573E-05	0.000130832	0.000170898	0.000994877
2082 May	65.53609467	0.052925508	0.050676264	0.002480132	25.03599548	0.033085436	10.04342365	0.00098901	0.00098901	5.18606E-06	0.004452019	0.000738243	0.018009722	0.01256563	5.10693E-06	12.0090313	1.17647E-05	0.000130914	0.000171006	0.0009955
2082 Jun	65.3312912	0.05258574	0.05033445	0.002466859	24.91971207	0.032973565	10.00790977	0.000986799	0.000986799	5.1743E-06	0.004459118	0.000738146	0.017982336	0.012532983	5.09539E-06	11.97769833	1.18053E-05	0.000131025	0.000170387	0.000992106
2082 Jul	65.29305267	0.052431934	0.050179221	0.002461318	24.88516998	0.032951176	10.00438309	0.000986334	0.000986334	5.17209E-06	0.004466574	0.000738972	0.017997064	0.012524379	5.09315E-06	11.97074509	1.18366E-05	0.000131167	0.000170182	0.000991285
2082 Aug	65.41558075	0.052508391	0.050240949	0.002464682	24.9303112	0.033017516	10.02612972	0.000987928	0.000987928	5.18065E-06	0.004474661	0.000740561	0.018039217	0.012545804	5.10152E-06	11.99233055	1.18561E-05	0.000131402	0.000170456	0.00099306
2082 Sep	65.46672058	0.052547302	0.050242651	0.002465142	24.94775391	0.033047896	10.03693867	0.000988384	0.000988384	5.18327E-06	0.004478552	0.000741332	0.018061677	0.012553674	5.10402E-06	12.00127506	1.18644E-05	0.000131505	0.00017054	0.000993739
2082 Oct	65.40376282	0.052544493	0.050111119	0.002459681	24.91732216	0.033031005	10.03167725	0.000986918	0.000986918	5.17587E-06	0.004477846	0.000741162	0.018057104	0.012541369	5.09665E-06	11.99167824	1.18569E-05	0.000131413	0.000170292	0.000992741
2082 Nov	65.40940857	0.052553948	0.050110575	0.002459727	24.91893959	0.033035267	10.03261471	0.000986991	0.000986991	5.17626E-06	0.004478587	0.00074127	0.018059095	0.012542746	5.09703E-06	11.99306297	1.18584E-05	0.00013143	0.000170303	0.000992834
2082 Dec	65.41098785	0.052555535	0.050111629	0.002459782	24.9195118	0.033036146	10.03284454	0.000987016	0.000987016	5.17639E-06	0.004478717	0.00074129	0.01805952	0.01254308	5.09716E-06	11.99338055	1.18587E-05	0.000131434	0.000170307	0.000992859
2083 Jan	65.41143799	0.052556019	0.050111864	0.002459793	24.91965866	0.033036359	10.03290176	0.000987022	0.000987022	5.17642E-06	0.004478753	0.000741297	0.018059613	0.012543222	5.09719E-06	11.99350357	1.18588E-05	0.000131435	0.000170309	0.000992866
2083 Feb	65.4125824	0.052556954	0.05011265	0.002459831	24.92007065	0.033036869	10.03306484	0.000987038	0.000987038	5.1765E-06	0.004478826	0.000741312	0.018059885	0.012543499	5.09727E-06	11.99375248	1.1859E-05	0.000131438	0.000170313	0.000992883
2083 Mar	65.41493988	0.052558858	0.050114404	0.002459917	24.92095757	0.033038024	10.03342056	0.000987073	0.000987073	5.17668E-06	0.004478985	0.000741339	0.018060515	0.012543982	5.09745E-06	11.99420738	1.18594E-05	0.000131443	0.00017032	0.000992919
2083 Apr	65.42683411	0.052568421	0.050123487	0.002460362	24.92547989	0.03304401	10.03524017	0.000987252	0.000987252	5.17762E-06	0.004479797	0.000741475	0.018063784	0.012546279	5.09837E-06	11.99639988	1.18615E-05	0.000131467	0.000170351	0.000993099
2083 May	65.50401306	0.052616015	0.050099242	0.002458993	24.93414879	0.03303986	10.03817177	0.000987664	0.000987664	5.17952E-06	0.004485332	0.000743636	0.018062029	0.012598786	5.10032E-06	12.03688908	1.18828E-05	0.000132038	0.000171207	0.000994016
2083 Jun	65.51406097	0.05250043	0.049804226	0.002444825	24.87807083	0.032919992	10.02484798	0.000985094	0.000985094	5.16603E-06	0.004487878	0.000747411	0.018029543	0.012688943	5.08704E-06	12.10115242	1.19159E-05	0.000133146	0.000172825	0.00099308
2083 Jul	65.60655212	0.052517638	0.049818113	0.002446173	24.90876961	0.032966312	10.04380131	0.000986148	0.000986148	5.17191E-06	0.004495315	0.000748841	0.018069806	0.012702504	5.09272E-06	12.11550331	1.19384E-05	0.000133331	0.000172998	0.000994336
2083 Aug	65.67436981	0.052519936	0.049809914	0.002446657	24.93006134	0.033017509	10.05850697	0.000986996	0.000986996	5.17661E-06	0.004500479	0.000750286	0.018101186	0.012715325	5.09727E-06	12.12802029	1.19462E-05	0.000133443	0.000173112	0.000995441
2083 Sep	65.68823242	0.052550208	0.049754065	0.00244465	24.93103409	0.033034656	10.06508255	0.000986717	0.000986717	5.17546E-06	0.004503278	0.000750823	0.018117569	0.012716019	5.09604E-06	12.13084888	1.19497E-05	0.000133483	0.000173068	0.000995552
2083 Oct	65.6316452	0.052577626	0.049625862	0.002439535	24.90137672	0.03302766	10.05902195	0.000985533	0.000985533	5.1694E-06	0.004504669	0.000750862	0.018111914	0.01270788	5.09003E-06	12.12476635	1.19452E-05	0.000133437	0.000172842	0.000994755
2083 Nov	65.6149292	0.052588671	0.049587373	0.002438018	24.89238167	0.033026364	10.05704498	0.000985202	0.000985202	5.16768E-06	0.004505283	0.000750893	0.018109964	0.012705845	5.08833E-06	12.12326908	1.19442E-05	0.000133428	0.000172776	0.000994531
2083 Dec	65.6158905	0.052589882	0.049587864	0.002438047	24.89270782	0.033026963	10.0571785	0.000985217	0.000985217	5.16777E-06	0.00450538	0.000750908	0.018110221	0.012706074	5.08841E-06	12.12348557	1.19444E-05	0.00013343	0.000172778	0.000994547
2084 Jan	65.61613464	0.052590221	0.049587894	0.002438049	24.89276505	0.03302706	10.05719852	0.00098522	0.00098522	5.16778E-06	0.0045054	0.000750913	0.018110242	0.012706187	5.08842E-06	12.12357712	1.19444E-05	0.000133431	0.00017278	0.000994551
2084 Feb	65.61666107	0.052590664	0.049588181	0.002438061	24.89293289	0.033027239	10.05726433	0.000985226	0.000985226	5.16781E-06	0.00450543	0.000750921	0.018110333	0.012706362	5.08845E-06	12.12372494	1.19445E-05	0.000133433	0.000172783	0.000994558
2084 Mar	65.61908722	0.052592628	0.049589954	0.002438148	24.89384079	0.033028416	10.05762863	0.000985261	0.000985261	5.168E-06	0.004505593	0.000750949	0.018110976	0.012706871	5.08864E-06	12.12420177	1.1945E-05	0.000133438	0.00017279	0.000994595
2084 Apr	65.63715363	0.052607112	0.04960357	0.002438817	24.90068626	0.033037484	10.06039238	0.000985532	0.000985532	5.16942E-06	0.004506832	0.000751157	0.018115945	0.012710392	5.09004E-06	12.12755489	1.19482E-05	0.000133475	0.000172838	0.000994869
2084 May	65.73140717	0.052660994	0.049559869	0.002436419	24.9082489	0.033025268	10.0629673	0.000985884	0.000985884	5.17092E-06	0.004513467	0.000753982	0.018110957	0.012779793	5.09163E-06	12.18069839	1.19751E-05	0.000134232	0.000173979	0.000995935
2084 Jun	65.72972107	0.052541088	0.049295906	0.002423661	24.85988808	0.032917164	10.05403709	0.000983245	0.000983245	5.15735E-06	0.00451324	0.000756864	0.01808805	0.012847506	5.07818E-06	12.22868633	1.19978E-05	0.000135073	0.00017525	0.000994874
2084 Jul	65.84646606	0.052593891	0.049343865	0.002426468	24.90119934	0.032974709	10.07553387	0.000984724	0.000984724	5.16538E-06	0.004521889	0.000758442	0.018131064	0.012866694	5.086E-06	12.24810505	1.2023E-05	0.000135307	0.000175507	0.000996521
2084 Aug	65.95553589	0.052653056	0.049388483	0.00242903	24.94108582	0.033033639	10.09612274	0.000986023	0.000986023	5.17247E-06	0.004528817	0.0007599	0.018171411	0.012884794	5.09289E-06	12.26672649	1.20397E-05	0.000135507	0.00017574	0.000998065
2084 Sep	65.97232056	0.052659329	0.049346715	0.002427551	24.94448471	0.033050019	10.10295105	0.000985841	0.000985841	5.17182E-06	0.004530436	0.000760384	0.018188639	0.012885112	5.09216E-06	12.26919937	1.20404E-05	0.000135544	0.000175706	0.000998172
2084 Oct	65.94190979	0.052682385	0.049263272	0.002424264	24.92759705	0.03304911	10.10063648	0.000985108	0.000985108	5.16812E-06	0.004531782	0.000760488	0.018188218	0.012880294	5.08847E-06	12.26599789	1.20386E-05	0.000135521	0.000175564	0.000997735
2084 Nov	65.93213654	0.052694008	0.049236558	0.0024232	24.92186737	0.033049878	10.09951782	0.000984909	0.000984909	5.16709E-06	0.0045325	0.000760547	0.018187433	0.012879363	5.08745E-06	12.26543903	1.20384E-05	0.00013552	0.000175521	0.000997613
2084 Dec	65.93349457	0.052695446	0.049237404	0.002423286	24.92234802	0.033050653	10.09971237	0.00098493	0.00098493	5.1672E-06	0.004532618	0.000760565	0.018187795	0.012879664	5.08756E-06	12.26572323	1.20387E-05	0.000135524	0.000175524	0.000997635
2085 Jan	65.93363953	0.052695695	0.049237389	0.002423285	24.92237282	0.033050701	10.09972	0.000984932	0.000984932	5.16721E-06	0.004532632	0.000760568	0.018187797	0.012879749	5.08757E-06	12.26579189	1.20387E-05	0.000135525	0.000175525	0.000997637
2085 Feb	65.93416595	0.052696135	0.049237687	0.002423298	24.92254829	0.033050895	10.09978867	0.000984938	0.000984938	5.16724E-06	0.004532663	0.000760576	0.018187897	0.012879915	5.0876E-06	12.26593399	1.20388E-05	0.000135526	0.000175528	0.000997645
2085 Mar	65.93510437	0.052696899	0.049238335	0.00242333	24.92288971	0.033051327	10.09992504	0.000984951	0.000984951	5.16731E-06	0.004532724	0.000760588	0.018188132	0.012880133	5.08767E-06	12.26613235	1.2039E-05	0.000135528	0.000175531	0.000997659
2085 Apr	65.94474792	0.052704606	0.049245503	0.002423682	24.92652702	0.033056136	10.10139751	0.000985095	0.000985095	5.16806E-06	0.004533385	0.0007607	0.018190777	0.012882034	5.08841E-06	12.26793766	1.20407E-05	0.000135548	0.000175557	0.000997804
2085 May	66.02153778	0.052745763	0.049211733	0.002421829	24.93410873	0.033047929	10.10468769	0.000985358	0.000985358	5.16924E-06	0.00453853	0.00076291	0.01818941	0.012935495	5.08963E-06	12.30911064	1.20619E-05	0.000136132	0.000176441	0.000998662
2085 Jun	66.08889771	0.052733503	0.049101524	0.002416456	24.92873192	0.033012755	10.10785866	0.000984776	0.000984776	5.16625E-06	0.004543074	0.000765568	0.018189332	0.012995216	5.08667E-06	12.35454559	1.20881E-05	0.000136832	0.00017748	0.000999065
2085 Jul	66.22927856	0.052815758	0.049176998	0.002420504	24.98008347	0.033084765	10.13228607	0.000986666	0.000986666	5.17637E-06	0.004552777	0.000767389	0.018235853	0.013020369	5.09657E-06	12.3791647	1.21142E-05	0.000137103	0.000177817	0.001001135
2085 Aug	66.28713226	0.052814595	0.049154382	0.002420078	24.99922752	0.033122793	10.14767361	0.000986982	0.000986982	5.17849E-06	0.004555964	0.000768442	0.018269699	0.013026527	5.09851E-06	12.38744545	1.21189E-05	0.000137187	0.000177869	0.001001832
2085 Sep	66.26393127	0.052814681	0.049049735	0.002416007	24.98415375	0.033129528	10.14910793	0.000986122	0.000986122	5.17431E-06	0.004556924	0.000768759	0.018279921	0.013020344	5.0943E-06	12.38443756	1.21137E-05	0.000137175	0.000177692	0.001001362
2085 Oct	66.23191071	0.052832298	0.048966791	0.002412705	24.96713066	0.033126816	10.14683628	0.000985345	0.000985345	5.1704E-06	0.004557852	0.000768808	0.018279485	0.013014524	5.09039E-06	12.38039017	1.21113E-05	0.000137141	0.000177542	0.001000886
2085 Nov	66.21152496	0.052840423	0.048925061	0.002411034	24.95684814	0.033123858	10.14446449	0.000984948	0.000984948	5.16836E-06	0.004558196	0.000768791	0.018276894	0.013011448	5.08837E-06	12.37799835	1.21095E-05	0.000137121	0.000177461	0.001000603
2085 Dec	66.21208191	0.052841343	0.048925258	0.002411049	24.9570179	0.033124268	10.1445322	0.000984958	0.000984958	5.16841E-06	0.004558268	0.0007688	0.018277032	0.013011605	5.08842E-06	12.37814522	1.21096E-05	0.000137122	0.000177463	0.001000613
2086 Jan	66.21228027	0.052841667	0.048925254	0.002411049	24.95705986	0.033124339	10.14454651	0.00098496	0.00098496	5.16842E-06	0.004558287	0.000768805	0.018277042	0.013011715	5.08843E-06	12.37823582	1.21097E-05	0.000137123	0.000177464	0.001000616
2086 Feb	66.21259308	0.052841935	0.04892537	0.002411053	24.95714569	0.03312441	10.14457703	0.000984963	0.000984963	5.16843E-06	0.004558301	0.000768811	0.018277071	0.013011851	5.08844E-06	12.37834549	1.21097E-05	0.000137125	0.000177466	0.00100062
2086 Mar	66.21380615	0.052842915	0.048926201	0.002411093	24.95758629	0.033124965	10.14475441	0.00098498	0.00098498	5.16852E-06	0.004558381	0.000768826	0.018277375	0.013012131	5.08853E-06	12.37860012	1.21099E-05	0.000137128	0.00017747	0.001000638
2086 Apr	66.22701263	0.052853461	0.048935924	0.002411572	24.96255302	0.033131544	10.14677238	0.000985176	0.000985176	5.16955E-06	0.004559288	0.00076898	0.018281003	0.013014749	5.08954E-06	12.3810854	1.21123E-05	0.000137155	0.000177506	0.001000838
2086 May	66.28456879	0.052894749	0.048952464	0.002412327	24.97770882	0.033146475	10.15273857	0.000985793	0.000985793	5.17271E-06	0.004563297	0.000770052	0.018289462	0.01303805	5.09268E-06	12.40020943	1.21251E-05	0.000137406	0.00017787	0.001001626
2086 Jun	66.25132751	0.052738618	0.048660416	0.002398942	24.90937233	0.033029865	10.13318729	0.000983527	0.000983527	5.16064E-06	0.00456755	0.000773041	0.018254958	0.013104589	5.08085E-06	12.44582462	1.21618E-05	0.000138329	0.00017904	0.001000262
2086 Jul	66.36302948	0.052761581	0.048678689	0.002400712	24.94470787	0.033083517	10.15447712	0.000984944	0.000984944	5.1684E-06	0.004577954	0.000774801	0.018302102	0.013122153	5.08839E-06	12.4640789	1.21944E-05	0.000138598	0.000179259	0.001001769
2086 Aug	66.4622345	0.05280089	0.048701264	0.002402398	24.97981262	0.03314133	10.17463589	0.000986041	0.000986041	5.1745E-06	0.004584298	0.000776298	0.018342927	0.01313814	5.09428E-06	12.4808321	1.22082E-05	0.000138773	0.000179449	0.001003172
2086 Sep	66.45793915	0.052797787	0.048619833	0.002399379	24.97253036	0.033157416	10.17836761	0.000985551	0.000985551	5.17222E-06	0.004585713	0.000776802	0.018357873	0.013135632	5.09195E-06	12.48122501	1.22038E-05	0.000138801	0.000179327	0.001002966
2086 Oct	66.46253204	0.052822553	0.048592284	0.00239842	24.97182846	0.033166327	10.18061638	0.000985447	0.000985447	5.17178E-06	0.004587552	0.000777063	0.018363824	0.013136476	5.09148E-06	12.4828701	1.22062E-05	0.000138824	0.000179303	0.001003032
2086 Nov	66.4704895	0.052829608	0.04859728	0.002398679	24.97473907	0.033170518	10.18186092	0.000985562	0.000985562	5.17238E-06	0.004588153	0.000777162	0.018366119	0.013138072	5.09208E-06	12.48440456	1.22077E-05	0.000138841	0.000179324	0.001003153
2086 Dec	66.47155762	0.0528307	0.048597954	0.002398714	24.97511864	0.033171114	10.18201542	0.000985579	0.000985579	5.17247E-06	0.004588244	0.000777177	0.018366408	0.013138306	5.09216E-06	12.48462582	1.22079E-05	0.000138844	0.000179327	0.00100317
2087 Jan	66.47180939	0.052830994	0.048598055	0.00239872	24.97519493	0.033171225	10.18204498	0.000985582	0.000985582	5.17249E-06	0.004588264	0.000777181	0.01836645	0.013138397	5.09218E-06	12.48470211	1.2208E-05	0.000138845	0.000179328	0.001003174
2087 Feb	66.47270966	0.052831721	0.048598651	0.002398748	24.97551727	0.033171624	10.18217373	0.000985594	0.000985594	5.17255E-06	0.004588322	0.000777192	0.018366668	0.013138616	5.09224E-06	12.48490047	1.22082E-05	0.000138847	0.000179331	0.001003187
2087 Mar	66.47563171	0.052834049	0.048600752	0.002398851	24.97660637	0.033173054	10.18261623	0.000985637	0.000985637	5.17277E-06	0.004588522	0.000777227	0.018367458	0.013139217	5.09246E-06	12.48546505	1.22087E-05	0.000138853	0.00017934	0.001003231
2087 Apr	66.48239899	0.052839436	0.048605677	0.002399094	24.97914314	0.033176418	10.18365002	0.000985737	0.000985737	5.1733E-06	0.004588987	0.000777307	0.018369319	0.013140568	5.09298E-06	12.48674583	1.22099E-05	0.000138868	0.000179358	0.001003333
2087 May	66.52620697	0.052860819	0.048585359	0.002397983	24.98377991	0.033171501	10.18600655	0.00098585	0.00098585	5.17381E-06	0.00459175	0.000778546	0.018369509	0.013170239	5.09351E-06	12.50966644	1.22217E-05	0.000139192	0.000179853	0.001003808
2087 Jun	66.57065582	0.052810557	0.048410561	0.002389513	24.95892143	0.033103917	10.18206501	0.000984583	0.000984583	5.16714E-06	0.004595632	0.000781593	0.018355412	0.013241626	5.08695E-06	12.56217289	1.22509E-05	0.000140047	0.000181111	0.001003711
2087 Jul	66.6785965	0.052854326	0.048448965	0.002391948	24.99644279	0.033161383	10.20207691	0.000985986	0.000985986	5.17474E-06	0.004603734	0.000783184	0.01839558	0.013260415	5.09436E-06	12.58077049	1.22727E-05	0.00014026	0.00018135	0.001005292

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2087 Aug	66.80480194	0.052933898	0.048517242	0.00239559	25.04281998	0.03322804	10.2238636	0.000987676	0.000987676	5.18378E-06	0.004612172	0.000784829	0.018436799	0.013283694	5.10321E-06	12.60352325	1.22939E-05	0.000140505	0.000181656	0.00100716
2087 Sep	66.87104797	0.052990537	0.048533216	0.002396713	25.06612778	0.033264954	10.23676586	0.000988371	0.000988371	5.18763E-06	0.004617261	0.00078575	0.018462304	0.013294769	5.10693E-06	12.61532688	1.2306E-05	0.000140637	0.000181788	0.001008086
2087 Oct	66.86846924	0.05300758	0.048498515	0.002395405	25.06287193	0.033269916	10.2383461	0.000988121	0.000988121	5.18645E-06	0.004618464	0.000785917	0.018467156	0.013293608	5.10572E-06	12.61523724	1.2307E-05	0.000140639	0.00018174	0.001008028
2087 Nov	66.8645401	0.053015631	0.048483368	0.002394835	25.06024933	0.033271316	10.2381382	0.000988017	0.000988017	5.18592E-06	0.004618982	0.000785969	0.018467562	0.013293163	5.1052E-06	12.61508656	1.23071E-05	0.00014064	0.000181716	0.00100798
2087 Dec	66.8655014	0.053016722	0.048483923	0.002394866	25.06058502	0.033271886	10.23827267	0.000988032	0.000988032	5.186E-06	0.004619072	0.000785983	0.018467819	0.013293386	5.10528E-06	12.61529827	1.23073E-05	0.000140643	0.000181718	0.001007995
2088 Jan	66.8659668	0.053017214	0.048484143	0.002394877	25.06072998	0.033272095	10.23833084	0.000988039	0.000988039	5.18603E-06	0.004619108	0.00078599	0.018467911	0.013293531	5.10531E-06	12.6154232	1.23074E-05	0.000140644	0.00018172	0.001008003
2088 Feb	66.86633301	0.053017523	0.048484322	0.002394885	25.06084442	0.033272207	10.23837376	0.000988042	0.000988042	5.18605E-06	0.004619128	0.000785996	0.018467968	0.013293661	5.10533E-06	12.61553288	1.23074E-05	0.000140646	0.000181722	0.001008008
2088 Mar	66.86940765	0.053019967	0.048486501	0.002394992	25.06198311	0.033273701	10.23883724	0.000988087	0.000988087	5.18629E-06	0.004619337	0.000786033	0.018468792	0.013294303	5.10556E-06	12.61613369	1.2308E-05	0.000140652	0.000181731	0.001008054
2088 Apr	66.89503479	0.053040273	0.048504993	0.002395904	25.07157707	0.0332864	10.2427597	0.000988464	0.000988464	5.18827E-06	0.004621101	0.000786335	0.018475855	0.013299434	5.10751E-06	12.62099361	1.23127E-05	0.000140706	0.000181802	0.00100844
2088 May	66.95484924	0.053086724	0.048544247	0.002397815	25.09326935	0.033313792	10.25174236	0.000989281	0.000989281	5.19256E-06	0.004625031	0.000787083	0.018491544	0.013312834	5.11174E-06	12.63333321	1.23235E-05	0.000140847	0.000181994	0.001009321
2088 Jun	66.87044525	0.052904084	0.048349001	0.002390357	25.03247833	0.033255119	10.23377609	0.000988439	0.000988439	5.18795E-06	0.004632645	0.000787792	0.018480485	0.013309474	5.10726E-06	12.62770844	1.23594E-05	0.000141103	0.000181874	0.001007807
2088 Jul	66.98692322	0.052947052	0.048385698	0.00239296	25.06900597	0.033311069	10.25302505	0.000990169	0.000990169	5.19716E-06	0.004644388	0.000789592	0.018523492	0.013330821	5.11628E-06	12.64879799	1.23956E-05	0.000141421	0.000182135	0.001009447
2088 Aug	67.16652679	0.053075723	0.048497748	0.002398672	25.13572693	0.033402231	10.28251076	0.000992651	0.000992651	5.21033E-06	0.004656494	0.000791789	0.018578371	0.013364708	5.1292E-06	12.68172359	1.24272E-05	0.000141787	0.000182593	0.001012093
2088 Sep	67.22915649	0.053117633	0.048516024	0.002399812	25.1584301	0.033435181	10.29504108	0.000993281	0.000993281	5.21385E-06	0.004660627	0.000792609	0.018603107	0.013374317	5.13261E-06	12.69216156	1.24375E-05	0.000141903	0.000182717	0.001012935
2088 Oct	67.17427826	0.053124283	0.048405115	0.002395266	25.1323719	0.033423584	10.29025173	0.000992075	0.000992075	5.20775E-06	0.004660357	0.000792438	0.018598825	0.013363127	5.12653E-06	12.68353939	1.24309E-05	0.000141815	0.000182481	0.001012104
2088 Nov	67.16721344	0.053136066	0.048383191	0.00239444	25.12801552	0.033425178	10.28954315	0.000991924	0.000991924	5.20697E-06	0.004661079	0.0007925	0.018598622	0.013362456	5.12576E-06	12.68322754	1.24309E-05	0.000141816	0.000182445	0.001012021
2088 Dec	67.16862488	0.053137518	0.048384055	0.002394487	25.12851524	0.033425976	10.28974628	0.000991946	0.000991946	5.20709E-06	0.0046612	0.000792519	0.018599	0.01336277	5.12587E-06	12.68352413	1.24312E-05	0.00014182	0.000182449	0.001012043
2089 Jan	67.1689682	0.053137921	0.048384186	0.002394493	25.12861633	0.033426125	10.28978539	0.000991951	0.000991951	5.20711E-06	0.004661228	0.000792525	0.018599058	0.013362892	5.12589E-06	12.68362808	1.24313E-05	0.000141821	0.000182451	0.001012049
2089 Feb	67.16960144	0.053138439	0.048384558	0.00239451	25.12882996	0.03342637	10.28986931	0.000991958	0.000991958	5.20715E-06	0.004661266	0.000792534	0.018599188	0.013363077	5.12593E-06	12.6837883	1.24314E-05	0.000141823	0.000182453	0.001012058
2089 Mar	67.17334747	0.053141408	0.048387207	0.002394641	25.13021851	0.033428192	10.29043579	0.000992013	0.000992013	5.20744E-06	0.004661523	0.000792579	0.018600201	0.013363854	5.12621E-06	12.68451786	1.24321E-05	0.000141831	0.000182464	0.001012114
2089 Apr	67.18959045	0.053154264	0.048398871	0.002395218	25.13628387	0.03343625	10.29291916	0.000992252	0.000992252	5.20869E-06	0.004662647	0.000792771	0.018604683	0.013367107	5.12745E-06	12.68760014	1.24351E-05	0.000141865	0.000182509	0.001012359
2089 May	67.25921631	0.053190421	0.048377134	0.002393986	25.14620399	0.033433717	10.29770374	0.000992527	0.000992527	5.21003E-06	0.004666995	0.000794584	0.018607648	0.01340975	5.1288E-06	12.72087383	1.24529E-05	0.00014233	0.000183217	0.001013146
2089 Jun	67.34212494	0.053182658	0.048246816	0.002387555	25.13832474	0.033388518	10.29949284	0.000991909	0.000991909	5.20673E-06	0.00467285	0.00079793	0.018602459	0.013487526	5.12557E-06	12.77963638	1.24857E-05	0.000143232	0.000184559	0.001013683
2089 Jul	67.46608734	0.053241938	0.04829907	0.002390641	25.18214989	0.033454627	10.32182217	0.000993554	0.000993554	5.21559E-06	0.00468186	0.000779704	0.018646276	0.013509898	5.13422E-06	12.80149937	1.25094E-05	0.000143474	0.000184847	0.001015522
2089 Aug	67.58178711	0.053304002	0.048350822	0.002393645	25.22359467	0.033519991	10.34237957	0.000995117	0.000995117	5.22397E-06	0.004689859	0.000801376	0.018685922	0.013531734	5.14242E-06	12.82262516	1.25282E-05	0.000143694	0.00018512	0.001017281
2089 Sep	67.62249756	0.053343263	0.04833306	0.002393259	25.2366581	0.033546038	10.35273361	0.000995296	0.000995296	5.22521E-06	0.004693443	0.00080206	0.018707821	0.013536656	5.14354E-06	12.82922077	1.25356E-05	0.000143768	0.000185158	0.001017789
2089 Oct	67.55323029	0.053357672	0.04819826	0.002387776	25.20364952	0.033532947	10.3457756	0.000993877	0.000993877	5.21798E-06	0.004693469	0.000801854	0.018700602	0.013523512	5.13635E-06	12.81898785	1.25278E-05	0.000143667	0.000184867	0.001016781
2089 Nov	67.55369568	0.053369746	0.048188627	0.002387462	25.20272064	0.033536579	10.34595871	0.000993868	0.000993868	5.21793E-06	0.004694314	0.000801953	0.018701591	0.013524211	5.1363E-06	12.81981564	1.25288E-05	0.000143679	0.000184858	0.001016808
2089 Dec	67.5553894	0.053371396	0.048189696	0.002387518	25.20332718	0.033537507	10.34620667	0.000993894	0.000993894	5.21806E-06	0.004694453	0.000801975	0.018702047	0.01352458	5.13644E-06	12.82016373	1.25291E-05	0.000143683	0.000184863	0.001016835
2090 Jan	67.55619812	0.053372156	0.048190165	0.002387542	25.20360184	0.033537891	10.34631729	0.000993905	0.000993905	5.21812E-06	0.004694513	0.000801987	0.018702237	0.013524792	5.1365E-06	12.82035351	1.25293E-05	0.000143685	0.000184866	0.001016847
2090 Feb	67.55718231	0.053372953	0.048190791	0.002387572	25.20395088	0.033538319	10.34645748	0.000993918	0.000993918	5.21819E-06	0.004694576	0.000802	0.01870247	0.013525045	5.13656E-06	12.82058048	1.25294E-05	0.000143688	0.00018487	0.001016862
2090 Mar	67.56007385	0.053375248	0.048192807	0.002387671	25.20501709	0.033539716	10.34689331	0.00099396	0.00099396	5.21841E-06	0.004694774	0.000802035	0.018703246	0.013525653	5.13678E-06	12.82114792	1.253E-05	0.000143694	0.000184878	0.001016905
2090 Apr	67.56996918	0.053383071	0.048199847	0.00238802	25.20870209	0.033544607	10.34840584	0.000994105	0.000994105	5.21917E-06	0.004695461	0.000802153	0.018705973	0.013527651	5.13753E-06	12.82303905	1.25318E-05	0.000143715	0.000184905	0.001017054
2090 May	67.61047363	0.053412486	0.048216976	0.00238884	25.2209816	0.033558402	10.35344791	0.000994585	0.000994585	5.22166E-06	0.004698236	0.000802808	0.018714068	0.01354093	5.13999E-06	12.83433056	1.25402E-05	0.000143858	0.000185108	0.001017623
2090 Jun	67.57171631	0.053259037	0.047933411	0.002375624	25.15297508	0.033437949	10.33330536	0.000992176	0.000992176	5.20886E-06	0.004700715	0.000805575	0.018676244	0.013605779	5.12744E-06	12.87832546	1.25716E-05	0.000144738	0.000186273	0.001016178
2090 Jul	67.67615509	0.053293474	0.047962338	0.00237774	25.18667984	0.033489082	10.35190868	0.000993601	0.000993601	5.21654E-06	0.004710318	0.000807176	0.018716577	0.013623846	5.13493E-06	12.89643586	1.26007E-05	0.000144994	0.000186498	0.001017638
2090 Aug	67.68643951	0.05325193	0.047879308	0.002374852	25.1847496	0.033518061	10.35979366	0.000993306	0.000993306	5.21541E-06	0.00471142	0.000808025	0.018741505	0.013622438	5.13369E-06	12.89815903	1.25932E-05	0.000145023	0.00018638	0.001017639
2090 Sep	67.64828491	0.05325653	0.047759209	0.002370114	25.16401863	0.033520296	10.35936356	0.000992206	0.000992206	5.20999E-06	0.004712026	0.000808177	0.018748334	0.013612716	5.12824E-06	12.89212227	1.25863E-05	0.000144972	0.000186141	0.001016976
2090 Oct	67.55978394	0.053290293	0.047597725	0.002363648	25.12125778	0.033507105	10.34820557	0.000990632	0.000990632	5.20182E-06	0.004713	0.000807961	0.018734546	0.013598744	5.12017E-06	12.8809576	1.25774E-05	0.000144868	0.000185789	0.001015787
2090 Nov	67.53102112	0.053293861	0.047547758	0.0023616	25.10795784	0.033500832	10.34492683	0.000990087	0.000990087	5.19902E-06	0.004712812	0.000807841	0.018730491	0.01359342	5.1174E-06	12.87665844	1.25739E-05	0.000144825	0.000185674	0.001015376
2090 Dec	67.53230286	0.053295463	0.04754841	0.002361638	25.10838318	0.033501625	10.34510136	0.000990107	0.000990107	5.19913E-06	0.004712941	0.00080786	0.018730827	0.013593734	5.11751E-06	12.87695408	1.25742E-05	0.000144828	0.000185678	0.001015397
2091 Jan	67.53269196	0.053295929	0.04754854	0.002361645	25.10849571	0.033501793	10.34514427	0.000990112	0.000990112	5.19915E-06	0.004712972	0.000807867	0.018730888	0.01359388	5.11753E-06	12.8770771	1.25743E-05	0.00014483	0.00018568	0.001015403
2091 Feb	67.53302002	0.053296212	0.04754867	0.00236165	25.10859108	0.033501875	10.3451786	0.000990115	0.000990115	5.19917E-06	0.004712989	0.000807873	0.018730925	0.013594019	5.11755E-06	12.87718964	1.25743E-05	0.000144831	0.000185682	0.001015407
2091 Mar	67.53786469	0.053300053	0.047552023	0.002361816	25.11037636	0.033504233	10.34591293	0.000990185	0.000990185	5.19954E-06	0.004713323	0.000807932	0.01873224	0.013595035	5.11791E-06	12.8781414	1.25752E-05	0.000144842	0.000185696	0.00101548
2091 Apr	67.5568161	0.053315014	0.047565334	0.002362477	25.11741257	0.033513602	10.3488102	0.000990462	0.000990462	5.20099E-06	0.004714643	0.000808159	0.018737476	0.013598871	5.11934E-06	12.88177013	1.25788E-05	0.000144883	0.000185749	0.001015765
2091 May	67.62303925	0.053360488	0.04757528	0.002362874	25.13267136	0.033525925	10.35478783	0.000991083	0.000991083	5.20413E-06	0.004719229	0.000809528	0.018744828	0.013629656	5.12247E-06	12.90654659	1.25942E-05	0.000145215	0.000186237	0.001016641
2091 Jun	67.66897583	0.053310387	0.047380004	0.002353293	25.09997559	0.033442754	10.34581566	0.000989735	0.000989735	5.1968E-06	0.004723878	0.000813099	0.01871863	0.013717848	5.11533E-06	12.97068405	1.26279E-05	0.000146256	0.000187773	0.001016524
2091 Jul	67.83155823	0.053416234	0.047473148	0.002358241	25.15787125	0.033523012	10.37185192	0.000992071	0.000992071	5.20916E-06	0.004736341	0.00081522	0.018768867	0.013749461	5.12746E-06	13.00103569	1.26628E-05	0.000146623	0.000188195	0.001018919
2091 Aug	67.88846588	0.053420376	0.047449611	0.002357844	25.17603493	0.03356405	10.38624954	0.000992459	0.000992459	5.21159E-06	0.004739909	0.000816313	0.018801821	0.013756451	5.12973E-06	13.01014709	1.26668E-05	0.000146726	0.000188241	0.001019616
2091 Sep	67.89332581	0.053419113	0.047391087	0.002355798	25.17330933	0.033583753	10.39029789	0.000992243	0.000992243	5.21067E-06	0.004741495	0.000816837	0.018816641	0.013756019	5.12877E-06	13.01212311	1.26632E-05	0.00014677	0.000188153	0.001019575
2091 Oct	67.84938049	0.05342884	0.047300324	0.002352108	25.15249252	0.03357606	10.38671494	0.000991273	0.000991273	5.20577E-06	0.004741487	0.000816703	0.018813908	0.013746573	5.12388E-06	13.00498295	1.2658E-05	0.000146696	0.000187951	0.001018918
2091 Nov	67.80951691	0.053442165	0.047231916	0.002349361	25.13357544	0.033569556	10.38146305	0.000990594	0.000990594	5.20224E-06	0.004741772	0.000816577	0.018807057	0.013740247	5.12039E-06	12.99982929	1.26538E-05	0.000146647	0.000187795	0.001018386
2091 Dec	67.80963898	0.053445026	0.047230422	0.002349319	25.13339043	0.03357039	10.38142872	0.0009906	0.0009906	5.20227E-06	0.004741969	0.000816599	0.018807108	0.013740486	5.12042E-06	13.00006199	1.26541E-05	0.00014665	0.000187794	0.001018395
2092 Jan	67.81001282	0.053445503	0.047230523	0.002349324	25.13348961	0.033570543	10.38146496	0.000990605	0.000990605	5.20229E-06	0.004742	0.000816606	0.018807158	0.013740639	5.12044E-06	13.00018978	1.26541E-05	0.000146652	0.000187797	0.001018401
2092 Feb	67.81085968	0.0534462	0.047230992	0.002349345	25.13776999	0.033570863	10.38157558	0.000990615	0.000990615	5.20234E-06	0.004742051	0.000816618	0.018807326	0.013740897	5.1205E-06	13.00041103	1.26543E-05	0.000146654	0.000187801	0.001018413
2092 Mar	67.81658936	0.053450733	0.047234919	0.00234954	25.1358757	0.03357365	10.38244343	0.000990698	0.000990698	5.20277E-06	0.004742448	0.000816688	0.018808881	0.013742105	5.12092E-06	13.00154114	1.26553E-05	0.000146667	0.000187817	0.001018499
2092 Apr	67.8323822	0.053463183	0.047245875	0.002350084	25.14171791	0.033581432	10.38485432	0.000990927	0.000990927	5.20398E-06	0.004743549	0.000816879	0.018813239	0.013745329	5.12211E-06	13.00458527	1.26583E-05	0.000146701	0.000187861	0.001018736
2092 May	67.89679718	0.053505164	0.047243878	0.002349858	25.1535759	0.033586796	10.38934231	0.000991418	0.000991418	5.2064E-06	0.004747987	0.000818393	0.018816862	0.013780846	5.12454E-06	13.03256226	1.26743E-05	0.000147086	0.000188435	0.00101955
2092 Jun	67.82486725	0.053296786	0.04687104	0.002331904	25.06164932	0.033412654	10.36188507	0.000987553	0.000987553	5.18609E-06	0.004745745	0.000821453	0.018759836	0.013860089	5.10455E-06	13.08490086	1.26999E-05	0.000148116	0.000189939	0.001017267
2092 Jul	67.8611908	0.053250231	0.046827447	0.002330698	25.06845093	0.033427764	10.37262726	0.0009878	0.0009878	5.18773E-06	0.004751062	0.000822334	0.018789114	0.013860962	5.10604E-06	13.08780766	1.272E-05	0.00014822	0.000189931	0.001017594
2092 Aug	68.00039673	0.053340603	0.04689816	0.002334474	25.1192894	0.033499371	10.39685345	0.000989565	0.000989565	5.19726E-06	0.004760281	0.000824127	0.018835466	0.013886433	5.11536E-06	13.11308002	1.27434E-05	0.000148503	0.00019027	0.001019589
2092 Sep	68.03513336	0.053360868	0.046881687	0.002334109	25.1303997	0.03352312	10.40577888	0.00098973	0.00098973	5.19839E-06	0.004762881	0.000824736	0.018855518	0.013890314	5.11639E-06	13.11863422	1.27475E-05	0.000148571	0.000190294	0.001019991
2092 Oct	68.02992249	0.05337505	0.046845239	0.002332707	25.12651253	0.033526812	10.40728474	0.000989422	0.000989422	5.19692E-06	0.004763769	0.000824849	0.018860262	0.013887946	5.1149E-06	13.11757278	1.27477E-05	0.000148559	0.000190229	0.001019887
2092 Nov	68.0296936	0.053381205	0.046836939	0.002332408	25.12580681	0.033528712	10.40766239	0.000989376	0.000989376	5.19671E-06	0.004764186	0.000824901	0.018861461	0.013887837	5.11468E-06	13.11771393	1.27481E-05	0.000148561	0.000190218	0.001019885
2092 Dec	68.03142548	0.053382877	0.046837997	0.002332464	25.12641907	0.033529647	10.40791512	0.000989402	0.000989402	5.19684E-06	0.004764328	0.000824924	0.018861929	0.013888219	5.11481E-06	13.11807346	1.27484E-05	0.000148566	0.000190222	0.001019912
2093 Jan	68.03167725	0.053383198	0.046838075	0.002332468	25.12648964	0.033529755	10.40794182	0.000989405	0.000989405	5.19686E-06	0.00476435	0.000824929	0.018861966	0.013888321	5.11483E-06	13.11815929	1.27485E-05	0.000148567	0.000190224	0.001019916
2093 Feb	68.03243256	0.053383805	0.046838518	0.002332489	25.12674713	0.033530064	10.40804482	0.000989415	0.000989415	5.19691E-06	0.004764397	0.000824939	0.018862134	0.013888528	5.11488E-06	13.11834049	1.27486E-05	0.000148569	0.000190227	0.001019927
2093 Mar	68.04083252	0.05339041	0.046844263	0.002332774	25.12983894	0.033534169	10.40932369	0.000989536	0.000989536	5.19755E-06	0.004764983	0.000825042	0.018864442	0.013890271	5.1155E-06	13.11998081	1.27502E-05	0.000148587	0.000190251	0.001020053
2093 Apr	68.05774689	0.053403687	0.046855882	0.002333353	25.13607979	0.033542488	10.41190815	0.000989782	0.000989782	5.19884E-06	0.004766166	0.000825247	0.018869119	0.013893742	5.11677E-06	13.12325382	1.27533E-05	0.000148625	0.000190299	0.001020306
2093 May	68.12206268	0.053446509	0.046861272	0.002333515	25.14996529	0.033552147	10.41739368	0.000990336	0.000990336	5.20163E-06	0.004770564	0.000826633	0.018875325	0.013925302	5.11956E-06	13.14847469	1.27686E-05	0.000148966	0.000190804	0.00102114
2093 Jun	68.12914276	0.053351648	0.046639394	0.002322737	25.10593033	0.033454176	10.40583515	0.000988381	0.000988381	5.1913E-06	0.00472344	0.00082953	0.018847084	0.013996719	5.10941E-06	13.19904709	1.27954E-05	0.000149842	0.000192096	0.001020396
2093 Jul	68.25209045	0.053409994	0.046689048	0.002325718	25.14828873	0.033516493	10.42742729	0.00099003	0.00099003	5.20016E-06	0.004782003	0.000831293	0.018890528	0.014019143	5.11807E-06	13.2210207	1.28226E-05	0.00015011	0.000192387	0.001022176
2093 Aug	68.36843109	0.053474613	0.046738956	0.002328543	25.1903801	0.033578269	10.44871426	0.000991462	0.000991462	5.20792E-06	0.004789615	0.000832879	0.018931653	0.014039872	5.12564E-06	13.24167538	1.28415E-05	0.000150333	0.000192659	0.001023854
2093 Sep	68.40135956	0.053506233	0.046713531	0.002327798	25.20066643	0.033600919	10.4582777	0.000991498	0.000991498	5.20843E-06	0.004792569	0.000833467	0.018952416	0.014042616	5.12604E-06	13.24642754	1.28471E-05	0.000150386	0.000192666	0.001024233
2093 Oct	68.3056488	0.053511567	0.046553899	0.002321218	25.1578846	0.033579089	10.447999	0.000989671	0.000989671	5.19909E-06	0.004791311	0.000832961	0.018939858	0.014022879	5.11677E-06	13.2305603	1.28345E-05	0.000150216	0.000192266	0.001022847
2093 Nov	68.27506256	0.053534228	0.046498034	0.002319057	25.1425972	0.033577669	10.44349003	0.000989208	0.000989208	5.19663E-06	0.004792329	0.000832932	0.018934088	0.014018976	5.11435E-06	13.22747135	1.2832E-05	0.00015019	0.000192141	0.001022482
2093 Dec	68.27681732	0.053536236	0.046498962	0.00231911	25.14319229	0.033578705	10.44373703	0.000989235	0.000989235	5.19677E-06	0.004792496	0.000832958	0.018934553	0.014019393	5.11449E-06	13.22786236	1.28324E-05	0.000150195	0.000192146	0.00102251
2094 Jan	68.27738953	0.053536855	0.046499211	0.002319123	25.14336967	0.033578962	10.44380665	0.000989243	0.000989243	5.19681E-06	0.00479254	0.000832967	0.018934667	0.014019579	5.11453E-06	13.22802353	1.28325E-05	0.000150197	0.000192149	0.001022519
2094 Feb	68.27792358	0.053537305	0.046499476	0.002319134	25.14354134	0.033579141	10.44387245	0.000989249	0.000989249	5.19684E-06	0.004792571	0.000832976	0.018934758	0.014019764	5.11456E-06	13.22817898	1.28326E-05	0.000150198	0.000192152	0.001022527
2094 Mar	68.28230286	0.053540751	0.046502404	0.002319279	25.14513779	0.033581246	10.44453335	0.000989311	0.000989311	5.19717E-06	0.004792874	0.00083303	0.018935941	0.014020704	5.11488E-06	13.2290554	1.28334E-05	0.000150208	0.000192165	0.001022592
2094 Apr	68.29394531	0.053549886	0.046510298	0.002319673	25.14941406	0.033586942	10.44630814	0.000989479	0.000989479	5.19805E-06	0.004793689	0.000833173	0.018939152	0.014023117	5.11575E-06	13.2313261	1.28356E-05	0.000150234	0.000192198	0.001022766
2094 May	68.34091187	0.053569213	0.046474874	0.002317734	25.15088654	0.033572834	10.44726849	0.000989445	0.000989445	5.19775E-06	0.004796451	0.000834713	0.01893493	0.014061725	5.11549E-06	13.26059818	1.28492E-05	0.000150655	0.000192852	0.00102322
2094 Jun	68.43896484	0.053577807	0.046373259	0.002312655	25.15193367	0.033540338	10.4520607	0.000989189	0.000989189	5.19634E-06	0.004803094	0.000838027	0.018935347	0.014137994	5.11413E-06	13.31894398	1.28832E-05	0.000151531	0.000194159	0.001024035

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2094 Jul	68.61912537	0.05369208	0.046471335	0.002317873	25.21651459	0.033629745	10.48190117	0.00099166	0.00099166	5.20949E-06	0.004816167	0.000840393	0.018992186	0.014172755	5.12701E-06	13.35238171	1.29192E-05	0.00015192	0.000194629	0.001026679
2094 Aug	68.80162048	0.053822018	0.046580318	0.002323491	25.28310204	0.033722002	10.51140594	0.000994187	0.000994187	5.22288E-06	0.004828777	0.000842723	0.019046964	0.014209065	5.14015E-06	13.38709068	1.2952E-05	0.000152309	0.000195119	0.001029385
2094 Sep	68.83369446	0.053861164	0.046551142	0.002322629	25.29260063	0.03374593	10.52072048	0.000994222	0.000994222	5.22337E-06	0.004832161	0.000843339	0.019067386	0.014212071	5.14054E-06	13.39209938	1.29582E-05	0.000152365	0.000195121	0.001029773
2094 Oct	68.78813934	0.053871099	0.046455082	0.002318727	25.27147293	0.033738662	10.51771545	0.000993174	0.000993174	5.21811E-06	0.004832048	0.000843174	0.01906609	0.014200978	5.13529E-06	13.38385677	1.29525E-05	0.000152274	0.000194892	0.00102908
2094 Nov	68.72808075	0.053887367	0.046358928	0.002314852	25.24388123	0.033728234	10.509799	0.000992181	0.000992181	5.21293E-06	0.004832116	0.000842917	0.019055489	0.014190638	5.13018E-06	13.37537861	1.29456E-05	0.000152189	0.000194651	0.00102828
2094 Dec	68.72467804	0.053888828	0.046353102	0.002314621	25.24227524	0.033727799	10.50935078	0.000992125	0.000992125	5.21264E-06	0.004832156	0.000842906	0.019054916	0.014190082	5.12989E-06	13.37493229	1.29452E-05	0.000152185	0.000194637	0.001028236
2095 Jan	68.72542572	0.05388961	0.046353441	0.002314638	25.24250793	0.033728134	10.50944233	0.000992135	0.000992135	5.21269E-06	0.004832214	0.000842918	0.019055063	0.014190316	5.12994E-06	13.37513638	1.29454E-05	0.000152187	0.000194641	0.001028247
2095 Feb	68.72610474	0.053890176	0.046353783	0.002314653	25.24272728	0.033728369	10.50952816	0.000992142	0.000992142	5.21273E-06	0.004832253	0.000842928	0.019055186	0.014190547	5.12998E-06	13.37533092	1.29455E-05	0.000152189	0.000194644	0.001028257
2095 Mar	68.72886658	0.053892355	0.046355575	0.002314741	25.2437191	0.033729661	10.50993919	0.000992181	0.000992181	5.21293E-06	0.004832442	0.000842964	0.019055912	0.014191165	5.13018E-06	13.37590027	1.2946E-05	0.000152196	0.000194653	0.001028298
2095 Apr	68.74362183	0.053903941	0.046365496	0.002315236	25.24913216	0.033736877	10.51218987	0.000992393	0.000992393	5.21405E-06	0.004833477	0.000843145	0.019059984	0.014194241	5.13128E-06	13.37879276	1.29488E-05	0.000152229	0.000194695	0.001028518
2095 May	68.79973602	0.053928141	0.0463342	0.002313499	25.25396347	0.03372642	10.5148592	0.000992448	0.000992448	5.21424E-06	0.004836724	0.000844795	0.019058859	0.014234502	5.1315E-06	13.40968895	1.29639E-05	0.000152667	0.000195377	0.001029092
2095 Jun	68.91296387	0.053972665	0.046293244	0.002311385	25.27017212	0.033723351	10.52400208	0.000992907	0.000992907	5.21655E-06	0.004844405	0.00084772	0.019068606	0.014300005	5.1338E-06	13.46118069	1.29958E-05	0.000153405	0.000196466	0.001030337
2095 Jul	69.09970093	0.054095432	0.046397828	0.002316897	25.33761024	0.033817794	10.55478668	0.000995477	0.000995477	5.2302E-06	0.004857572	0.000850177	0.019126307	0.014336799	5.14719E-06	13.4963026	1.30308E-05	0.000153799	0.000196962	0.001033113
2095 Aug	69.14134216	0.054077934	0.046365511	0.002315999	25.35116577	0.033848792	10.56798744	0.000995578	0.000995578	5.23121E-06	0.004859535	0.000851032	0.019156	0.014339099	5.14803E-06	13.50090218	1.30323E-05	0.000153834	0.00019696	0.001033592
2095 Sep	69.17791748	0.054094829	0.046345886	0.002315593	25.36222076	0.033877369	10.5769043	0.000995821	0.000995821	5.23271E-06	0.004862392	0.000851749	0.019177523	0.014343886	5.14944E-06	13.50747967	1.30351E-05	0.00015392	0.000196978	0.001034018
2095 Oct	69.19055176	0.054112345	0.046333794	0.002315227	25.36598587	0.033886626	10.58068562	0.000995822	0.000995822	5.23285E-06	0.004863793	0.000851987	0.019185632	0.014344955	5.14953E-06	13.50936794	1.30378E-05	0.00015394	0.000196978	0.001034173
2095 Nov	69.16571045	0.054128736	0.04628763	0.002313428	25.3538208	0.033885162	10.57740879	0.000995415	0.000995415	5.23072E-06	0.004864466	0.000851946	0.019181713	0.014341127	5.14743E-06	13.50640297	1.30356E-05	0.000153913	0.00019687	0.001033863
2095 Dec	69.16375732	0.054132856	0.046282418	0.00231324	25.35263443	0.033885848	10.57710171	0.000995388	0.000995388	5.23057E-06	0.00486471	0.000851962	0.019181432	0.014341027	5.14729E-06	13.50637054	1.30357E-05	0.000153914	0.00019686	0.001033846
2096 Jan	69.16444397	0.05413362	0.046282694	0.002313255	25.35284233	0.033886153	10.57718182	0.000995397	0.000995397	5.23061E-06	0.004864765	0.000851974	0.019181559	0.014341261	5.14734E-06	13.50657177	1.30358E-05	0.000153916	0.000196863	0.001033857
2096 Feb	69.16611481	0.054134965	0.046283677	0.002313301	25.35341644	0.033886854	10.57741547	0.000995418	0.000995418	5.23073E-06	0.004864872	0.000851997	0.019181944	0.014341708	5.14745E-06	13.50696754	1.30361E-05	0.000153921	0.00019687	0.001033881
2096 Mar	69.16912079	0.054137338	0.046285611	0.002313397	25.35449791	0.033888262	10.57786274	0.00099546	0.00099546	5.23095E-06	0.004865078	0.000852035	0.019182732	0.014342386	5.14766E-06	13.5075922	1.30366E-05	0.000153928	0.00019688	0.001033926
2096 Apr	69.18306732	0.054148261	0.046294898	0.002313861	25.35959625	0.033895057	10.57998848	0.00099566	0.00099566	5.232E-06	0.004866056	0.000852207	0.019186577	0.014345308	5.1487E-06	13.51033592	1.30393E-05	0.000153959	0.00019692	0.001034134
2096 May	69.23171997	0.054181024	0.046295017	0.002313765	25.36864281	0.033899494	10.5832262	0.000996054	0.000996054	5.23393E-06	0.004869456	0.000853346	0.019189006	0.014372172	5.15064E-06	13.53147793	1.30514E-05	0.000154249	0.000197352	0.001034757
2096 Jun	69.10314178	0.053926431	0.045959223	0.002298542	25.26958466	0.03374831	10.55173588	0.000992863	0.000992863	5.21707E-06	0.00486915	0.000854833	0.019139607	0.014404364	5.13408E-06	13.54818916	1.30776E-05	0.000154856	0.000197991	0.001032017
2096 Jul	69.21201324	0.053953487	0.045980573	0.002300337	25.30476379	0.033799056	10.57256508	0.000994193	0.000994193	5.22438E-06	0.00487882	0.00085648	0.01918491	0.014421302	5.14117E-06	13.56587219	1.31083E-05	0.000155112	0.000198211	0.001033467
2096 Aug	69.36881256	0.054062933	0.046066225	0.002304839	25.36153412	0.033878982	10.59848881	0.000996289	0.000996289	5.23553E-06	0.004889605	0.000858514	0.019233977	0.014452018	5.1521E-06	13.59565544	1.31359E-05	0.000155452	0.000198621	0.001035749
2096 Sep	69.37569427	0.054084133	0.046006668	0.002302651	25.36103058	0.033894468	10.6048851	0.000995887	0.000995887	5.23378E-06	0.004891542	0.000858903	0.01925059	0.014449065	5.15027E-06	13.59567165	1.31365E-05	0.000155453	0.000198523	0.001035739
2096 Oct	69.29794312	0.054115407	0.045870006	0.002297203	25.32478142	0.033884577	10.59562778	0.000994523	0.000994523	5.22673E-06	0.004892209	0.000858627	0.019239519	0.014434756	5.14329E-06	13.58442211	1.31279E-05	0.000155337	0.000198182	0.001034703
2096 Nov	69.29135895	0.054136727	0.045848753	0.00229647	25.32022858	0.033889022	10.59444141	0.000994448	0.000994448	5.2263E-06	0.004893523	0.00085873	0.019238574	0.014434932	5.14288E-06	13.58482265	1.31285E-05	0.000155347	0.000198145	0.001034667
2096 Dec	69.29201508	0.054137614	0.04584904	0.002296488	25.32043839	0.033889446	10.5945282	0.000994459	0.000994459	5.22636E-06	0.004893594	0.000858741	0.019238746	0.014435102	5.14294E-06	13.58498192	1.31287E-05	0.000155349	0.000198146	0.001034677
2097 Jan	69.29224396	0.054137934	0.045849077	0.002296491	25.3204937	0.033889536	10.59454727	0.000994462	0.000994462	5.22637E-06	0.004893614	0.000858746	0.019238766	0.014435207	5.14295E-06	13.5850687	1.31287E-05	0.00015535	0.000198148	0.001034681
2097 Feb	69.29246521	0.054138128	0.045849137	0.002296492	25.32055092	0.033889569	10.5945673	0.000994463	0.000994463	5.22638E-06	0.004893623	0.00085875	0.019238779	0.014435315	5.14296E-06	13.58515263	1.31287E-05	0.000155351	0.00019815	0.001034684
2097 Mar	69.2951355	0.054140229	0.045850862	0.002296578	25.32151604	0.03389084	10.5949688	0.000994501	0.000994501	5.22657E-06	0.004893809	0.000858784	0.019239496	0.014435906	5.14315E-06	13.58570099	1.31292E-05	0.000155357	0.000198158	0.001034724
2097 Apr	69.31317139	0.054154325	0.045862768	0.002297174	25.3280983	0.033899635	10.59772205	0.000994759	0.000994759	5.22793E-06	0.00489508	0.000859008	0.019244488	0.014439682	5.14449E-06	13.58924961	1.31327E-05	0.000155398	0.00019821	0.001034993
2097 May	69.38309479	0.054201689	0.045878369	0.002297866	25.34604263	0.033916049	10.60516357	0.000995444	0.000995444	5.23145E-06	0.004899801	0.000860338	0.019255018	0.014468483	5.14797E-06	13.61284733	1.31482E-05	0.000155709	0.000198665	0.001035926
2097 Jun	69.43814087	0.054175623	0.045758117	0.002291984	25.33259392	0.033868689	10.60350037	0.000994802	0.000994802	5.22798E-06	0.004904448	0.000863036	0.019245813	0.01453198	5.14459E-06	13.66008186	1.31765E-05	0.000156463	0.000199767	0.001036156
2097 Jul	69.60118866	0.054276887	0.045842797	0.002296598	25.3900795	0.033950891	10.63020039	0.000997079	0.000997079	5.24006E-06	0.004916717	0.000865264	0.019297173	0.01456441	5.15644E-06	13.69102097	1.32099E-05	0.000156827	0.000200197	0.001038571
2097 Aug	69.71672058	0.05434202	0.045890864	0.00229934	25.43158722	0.034012102	10.65122795	0.000998494	0.000998494	5.24773E-06	0.00492435	0.000866854	0.019337919	0.014585356	5.16391E-06	13.71184826	1.32288E-05	0.000157055	0.000200471	0.00104023
2097 Sep	69.78209686	0.054385897	0.045908347	0.002300467	25.45500755	0.034046482	10.66424751	0.000999147	0.000999147	5.25138E-06	0.004928732	0.000867731	0.019363701	0.014595717	5.16744E-06	13.72300529	1.32396E-05	0.000157218	0.000200604	0.001041108
2097 Oct	69.76918793	0.054402288	0.04586307	0.002298714	25.44792557	0.03404903	10.6645937	0.000998741	0.000998741	5.24939E-06	0.004929571	0.000867786	0.019366698	0.01459184	5.16544E-06	13.72067451	1.32387E-05	0.000157154	0.000200507	0.00104091
2097 Nov	69.75511932	0.054406729	0.04583561	0.002297609	25.44145203	0.034047127	10.66339302	0.00099845	0.00099845	5.24792E-06	0.0049296	0.000867731	0.019365715	0.014588645	5.16397E-06	13.71826363	1.3237E-05	0.000157128	0.000200438	0.001040707
2097 Dec	69.75202179	0.054406486	0.045830365	0.00229739	25.44012451	0.034046352	10.66313267	0.000998385	0.000998385	5.24759E-06	0.004929525	0.000867711	0.019365447	0.014587875	5.16364E-06	13.71765709	1.32365E-05	0.000157121	0.000200424	0.00104066
2098 Jan	69.75258636	0.054407168	0.045830552	0.0022974	25.44028664	0.034046594	10.66319466	0.000998392	0.000998392	5.24763E-06	0.004929572	0.000867721	0.019365536	0.014588092	5.16368E-06	13.71784019	1.32367E-05	0.000157123	0.000200427	0.001040669
2098 Feb	69.75326538	0.054407734	0.045830853	0.002297413	25.44049263	0.034046799	10.66327381	0.000998399	0.000998399	5.24766E-06	0.004929609	0.000867732	0.01936564	0.014588336	5.16372E-06	13.71804523	1.32368E-05	0.000157126	0.000200431	0.001040678
2098 Mar	69.75510406	0.054409195	0.045831989	0.002297468	25.44114304	0.03404763	10.66354275	0.000998424	0.000998424	5.24779E-06	0.004929733	0.000867756	0.019366108	0.014588781	5.16384E-06	13.71844769	1.32371E-05	0.00015713	0.000200437	0.001040705
2098 Apr	69.76864624	0.054420002	0.045838296	0.002297747	25.44545937	0.034052134	10.66530037	0.000998568	0.000998568	5.24855E-06	0.004930491	0.000867964	0.019368676	0.014593221	5.16459E-06	13.72221947	1.32393E-05	0.000157175	0.000200507	0.001040895
2098 May	69.84722137	0.054462265	0.04579201	0.002295025	25.44949532	0.03403075	10.66637135	0.000998597	0.000998597	5.24843E-06	0.004934736	0.000870447	0.019359479	0.014657661	5.16455E-06	13.77097607	1.32599E-05	0.000157861	0.000201597	0.001041704
2098 Jun	69.81549835	0.05431531	0.045514632	0.002281184	25.38829994	0.033893812	10.65005875	0.000995422	0.000995422	5.23192E-06	0.004931066	0.000873019	0.019319063	0.014727166	5.14825E-06	13.81817436	1.32761E-05	0.000158703	0.000202951	0.001040148
2098 Jul	69.99578857	0.0544319	0.04561162	0.002286373	25.45188141	0.033981957	10.67912102	0.000997933	0.000997933	5.24523E-06	0.004944689	0.000875427	0.019374808	0.014763254	5.16132E-06	13.85260201	1.33141E-05	0.000159117	0.000203438	0.00104279
2098 Aug	70.06834412	0.054450013	0.045604348	0.002286669	25.47669601	0.034027871	10.69606781	0.000998518	0.000998518	5.24871E-06	0.004949039	0.000876613	0.019411674	0.014772589	5.16461E-06	13.86402225	1.33214E-05	0.000159244	0.000203528	0.001043702
2098 Sep	70.01029968	0.054436341	0.045474503	0.002281464	25.4499855	0.034023941	10.69329739	0.000997162	0.000997162	5.24198E-06	0.004947974	0.000876451	0.019415116	0.01475628	5.15787E-06	13.85249901	1.33089E-05	0.000159122	0.000203188	0.001042741
2098 Oct	69.93366241	0.054457791	0.045347877	0.002276368	25.4154644	0.034011953	10.68439198	0.000995821	0.000995821	5.23506E-06	0.004947938	0.000876084	0.019404197	0.014740949	5.15102E-06	13.84032059	1.32996E-05	0.000158991	0.000202848	0.001041701
2098 Nov	69.90545654	0.054466754	0.045302324	0.002274543	25.40269661	0.03400775	10.6808939	0.000995349	0.000995349	5.23261E-06	0.004947999	0.000875953	0.019399723	0.014735606	5.1486E-06	13.83603573	1.32962E-05	0.000158946	0.000202726	0.001041327
2098 Dec	69.90706635	0.054468632	0.045303058	0.002274587	25.40323448	0.034008712	10.68112564	0.000995374	0.000995374	5.23274E-06	0.004948155	0.000875977	0.01940017	0.014735991	5.14873E-06	13.83639908	1.32966E-05	0.00015895	0.000202731	0.001041352
2099 Jan	69.90772247	0.05446931	0.045303356	0.002274602	25.40344048	0.034009006	10.68120766	0.000995383	0.000995383	5.23279E-06	0.004948206	0.000875988	0.019400304	0.014736195	5.14877E-06	13.83657646	1.32967E-05	0.000158952	0.000202733	0.001041362
2099 Feb	69.90853882	0.054469969	0.045303788	0.002274622	25.4037056	0.034009315	10.68131447	0.000995392	0.000995392	5.23284E-06	0.004948256	0.000876	0.019400472	0.014736438	5.14882E-06	13.83678627	1.32968E-05	0.000158955	0.000202737	0.001041374
2099 Mar	69.91464233	0.054474741	0.045307692	0.002274818	25.4059124	0.034012239	10.68223858	0.000995478	0.000995478	5.23329E-06	0.004948684	0.000876077	0.019402135	0.014737765	5.14926E-06	13.83802223	1.3298E-05	0.000158969	0.000202756	0.001041465
2099 Apr	69.94655609	0.054499969	0.045323785	0.002275559	25.41642189	0.034024	10.68657589	0.000995843	0.000995843	5.2352E-06	0.00495058	0.000876545	0.019408906	0.014747323	5.15114E-06	13.84629059	1.33035E-05	0.000159066	0.000202903	0.001041917
2099 May	70.07396698	0.054570317	0.04520531	0.002268173	25.41477203	0.033951614	10.68502712	0.00099482	0.00099482	5.22945E-06	0.004952424	0.000881084	0.019376134	0.014876409	5.1456E-06	13.94227219	1.33268E-05	0.000160372	0.000205177	0.001042951
2099 Jun	70.09427643	0.054510418	0.045094509	0.002262799	25.40232086	0.033908848	10.68710995	0.000993714	0.000993714	5.22398E-06	0.004952778	0.000882501	0.019377857	0.014905972	5.14012E-06	13.96423721	1.33409E-05	0.000160751	0.000205759	0.001042672
2099 Jul	70.25312042	0.0546057	0.045172557	0.002267091	25.45812607	0.03398807	10.71358871	0.00099587	0.00099587	5.23547E-06	0.004964596	0.000884685	0.019428886	0.014937311	5.15137E-06	13.9942379	1.33733E-05	0.000161104	0.000206178	0.001045002
2099 Aug	70.40795898	0.054700632	0.045234796	0.002270653	25.51334	0.034069881	10.7413559	0.000997735	0.000997735	5.24557E-06	0.004974925	0.0008868	0.019483583	0.014965719	5.16122E-06	14.0228548	1.33982E-05	0.000161433	0.000206545	0.00104717
2099 Sep	70.38703918	0.054688886	0.045157783	0.00226766	25.50248337	0.034075849	10.74303055	0.000997031	0.000997031	5.24219E-06	0.004974708	0.000886895	0.019493286	0.014957086	5.1578E-06	14.01772308	1.3391E-05	0.000161382	0.000206353	0.001046739
2099 Oct	70.34506226	0.054704491	0.045077734	0.002264463	25.48334503	0.034071218	10.73933697	0.000996197	0.000996197	5.23796E-06	0.004974927	0.000886723	0.019490205	0.014947358	5.15358E-06	14.01039791	1.3386E-05	0.000161301	0.00020614	0.00104615
2099 Nov	70.31356812	0.054707102	0.045030512	0.002262528	25.46975136	0.034064595	10.73569107	0.00099565	0.00099565	5.23514E-06	0.004974495	0.000886522	0.019485451	0.014940617	5.15079E-06	14.00492859	1.33817E-05	0.00016124	0.000206003	0.001045711
2099 Dec	70.31517792	0.054708865	0.045031346	0.002262575	25.47029495	0.034065515	10.73591709	0.000995674	0.000995674	5.23527E-06	0.004974643	0.000886546	0.019485878	0.014941003	5.15092E-06	14.00528908	1.33821E-05	0.000161244	0.000206008	0.001045736
2100 Jan	70.31543732	0.054709226	0.045031391	0.002262578	25.47035789	0.034065619	10.73593903	0.000995677	0.000995677	5.23528E-06	0.004974666	0.000886551	0.019485904	0.014941121	5.15093E-06	14.00538731	1.33821E-05	0.000161246	0.00020601	0.00104574
2100 Feb	70.31581879	0.05470955	0.045031548	0.002262584	25.47047043	0.03406572	10.73598194	0.000995681	0.000995681	5.2353E-06	0.004974686	0.000886558	0.019485956	0.014941272	5.15095E-06	14.00551128	1.33822E-05	0.000161247	0.000206012	0.001045745
2100 Mar	70.31716919	0.054710619	0.045032367	0.002262624	25.47094727	0.034066331	10.73618031	0.000995699	0.000995699	5.2354E-06	0.004974778	0.000886576	0.019486303	0.014941598	5.15104E-06	14.00580692	1.33824E-05	0.00016125	0.000206017	0.001045765
2100 Apr	70.3374939	0.05472644	0.045045357	0.002263276	25.478302	0.034076154	10.73927879	0.000995987	0.000995987	5.23691E-06	0.004976213	0.000886832	0.019491918	0.014945938	5.15253E-06	14.00986958	1.33863E-05	0.000161297	0.000206077	0.001046067
2100 May	70.41335297	0.054770008	0.045012034	0.002261326	25.48357582	0.034062307	10.74025822	0.000996256	0.000996256	5.238E-06	0.004981284	0.000889143	0.019484669	0.015004726	5.1537E-06	14.05453777	1.34079E-05	0.000161932	0.000207052	0.001046919
2100 Jun	70.36174774	0.054614313	0.044754945	0.0022487	25.4204731	0.033933699	10.72186852	0.000993351	0.000993351	5.22283E-06	0.00497796	0.000891131	0.019444503	0.015058836	5.13875E-06	14.08992004	1.34227E-05	0.000162625	0.000208121	0.001045233
2100 Jul	70.42372894	0.054604854	0.044746004	0.00224888	25.4399395	0.033961028	10.73664188	0.000993887	0.000993887	5.22604E-06	0.004983325	0.000892117	0.01947788	0.015064616	5.14179E-06	14.09743118	1.34416E-05	0.000162747	0.000208197	0.001045959
2100 Aug	70.44963837	0.054580264	0.04470025	0.002247413	25.44725037	0.033988543	10.74703407	0.000993811	0.000993811	5.22608E-06	0.004984539	0.000892817	0.019504009	0.015063779	5.14169E-06	14.09952259	1.34389E-05	0.000162764	0.000208132	0.001046192
2100 Sep	70.4681778	0.054585461	0.044667922	0.00224607	25.45175552	0.034009706	10.75328636	0.000993807	0.000993807	5.22629E-06	0.004986268	0.000893314	0.019520944	0.015064514	5.14182E-06	14.10243416	1.34382E-05	0.000162807	0.000208088	0.001046356
2100 Oct	70.48220062	0.054605741	0.044656254	0.002246079	25.45601082	0.034020249	10.75730801	0.000993832	0.000993832	5.22655E-06	0.004987858	0.000893573	0.01952957	0.01506579	5.14203E-06	14.10456848	1.34413E-05	0.000162829	0.000208088	0.001046536
2100 Nov	70.48908234	0.054613836	0.044656496	0.002246149	25.45827103	0.034024552	10.75866032	0.000993901	0.000993901	5.22693E-06	0.004988524	0.000893681	0.019532301	0.015067039	5.14241E-06	14.10590553	1.34427E-05	0.000162844	0.0002081	0.001046637
2100 Dec	70.49185181	0.05461631	0.04466811	0.002246233	25.4592495	0.034025978	10.75907516	0.000993942	0.000993942	5.22714E-06	0.004988742	0.000893719	0.019533064	0.015067657	5.14262E-06	14.10648441	1.34433E-05	0.000162851	0.000208108	0.001046679
2101 Jan	70.49256897	0.054616988	0.044658467	0.002246252	25.4594841	0.034026306	10.75917149	0.000993951	0.000993951	5.22719E-06	0.004988796	0.000893729	0.019533224	0.015067859	5.14266E-06	14.10666275	1.34434E-05	0.000162853	0.000208111	0.001046689
2101 Feb	70.49290466	0.054617278	0.04466862	0.002246258	25.4595871	0.034026414	10.75921154	0.000993954	0.000993954	5.22721E-06	0.004988815	0.000893735	0.01953328	0.015067986	5.14268E-06	14.10676956	1.34435E-05	0.000162855	0.000208113	0.001046694
2101 Mar	70.49399567	0.054618131	0.044659272	0.00224629	25.45996857	0.034026898	10.7593708	0.000993969	0.000993969	5.22729E-06	0.004988889	0.000893749	0.019533558	0.015068249	5.14276E-06	14.10700798	1.34437E-05	0.000162857	0.000208117	0.00104671
2101 Apr	70.50627136	0.05462762	0.044666912	0.002246673	25.46437836	0.034032725	10.76123619	0.000994139	0.000994139	5.22818E-06	0.004989746	0.000893907	0.019536918	0.015070935	5.14364E-06	14.10950661	1.3446E-05	0.000162886	0.000208155	0.001046892
2101 May	70.57471466	0.054665562	0.044632651	0.00224468	25.46825027	0.034017578	10.76182079	0.000994323	0.000994323	5.22886E-06	0.004994185	0.000896044	0.019529348	0.015125716	5.14439E-06	14.15101147	1.34656E-05	0.000163477	0.000209068	0.00104764

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2101 Jun	70.57769012	0.054586329	0.044478152	0.002237071	25.43904114	0.033945985	10.75558758	0.000992777	0.000992777	5.22085E-06	0.004994125	0.000897878	0.019512907	0.01517087	5.13648E-06	14.1828413	1.34821E-05	0.000164035	0.000209923	0.001047023
2101 Jul	70.74803162	0.054698341	0.044569001	0.002241869	25.49929237	0.034027196	10.78324223	0.000995074	0.000995074	5.23306E-06	0.005006639	0.000900122	0.019565457	0.015205047	5.14845E-06	14.21547985	1.35174E-05	0.000164427	0.000210393	0.001049488
2101 Aug	70.90838623	0.054805357	0.044651132	0.002246185	25.55717278	0.034106102	10.81045914	0.000997105	0.000997105	5.24393E-06	0.005017351	0.000902205	0.019616632	0.015236218	5.15909E-06	14.24572372	1.35458E-05	0.000164771	0.000210822	0.001051785
2101 Sep	70.91033936	0.054813191	0.044593453	0.002244109	25.55497932	0.034122493	10.81538105	0.000996756	0.000996756	5.24241E-06	0.005018734	0.000902555	0.019631743	0.015232457	5.15749E-06	14.2450285	1.35433E-05	0.000164769	0.0002107	0.001051708
2101 Oct	70.90868378	0.054834545	0.044562705	0.002242997	25.55260468	0.034129508	10.81712151	0.000996557	0.000996557	5.24148E-06	0.005020085	0.000902701	0.01963692	0.015230787	5.15654E-06	14.24463558	1.35442E-05	0.000164764	0.000210639	0.001051683
2101 Nov	70.86390686	0.054841034	0.044497978	0.002240365	25.53332901	0.034120943	10.81161976	0.000995824	0.000995824	5.23769E-06	0.00501962	0.000902414	0.019629534	0.015221431	5.15279E-06	14.23700809	1.35383E-05	0.000164679	0.000210444	0.001051077
2101 Dec	70.85961914	0.054847453	0.044490278	0.002240091	25.53105354	0.0341217	10.81079388	0.000995784	0.000995784	5.23745E-06	0.005019965	0.000902422	0.019628434	0.015221127	5.15257E-06	14.23678017	1.35381E-05	0.000164678	0.000210425	0.001051039
2102 Jan	70.85986328	0.05484787	0.044490263	0.00224009	25.53109932	0.034121785	10.81080723	0.000995787	0.000995787	5.23747E-06	0.005019988	0.000902429	0.019628435	0.015221268	5.15258E-06	14.23689365	1.35382E-05	0.00016468	0.000210427	0.001051043
2102 Feb	70.86057281	0.054848459	0.044490587	0.002240105	25.53132057	0.034122013	10.81089401	0.000995794	0.000995794	5.23751E-06	0.005020028	0.00090244	0.019628555	0.015221518	5.15262E-06	14.23710251	1.35383E-05	0.000164682	0.000210431	0.001051053
2102 Mar	70.86243439	0.054849926	0.04449169	0.002240159	25.53197289	0.034122847	10.81116676	0.000995819	0.000995819	5.23764E-06	0.005020155	0.000902465	0.01962903	0.015221972	5.15275E-06	14.23751354	1.35386E-05	0.000164687	0.000210437	0.00105108
2102 Apr	70.87168121	0.05485709	0.044497456	0.002240448	25.53529167	0.034127261	10.81256962	0.000995948	0.000995948	5.23832E-06	0.005020807	0.000902583	0.019631565	0.015223986	5.15341E-06	14.23939133	1.35404E-05	0.000164709	0.000210465	0.001051217
2102 May	70.9163208	0.054891415	0.044525202	0.002241845	25.55135918	0.034148641	10.81940556	0.000996571	0.000996571	5.24159E-06	0.005023952	0.000903152	0.019643968	0.015233581	5.15663E-06	14.24836445	1.35489E-05	0.000164812	0.000210598	0.001051877
2102 Jun	70.69998932	0.05457332	0.044260062	0.00223161	25.44439316	0.034043062	10.78284168	0.000994612	0.000994612	5.23106E-06	0.005027095	0.000902029	0.019610019	0.015186941	5.14635E-06	14.20581245	1.35753E-05	0.000164698	0.000209781	0.001048505
2102 Jul	70.68775177	0.054466177	0.044170171	0.002228798	25.42647171	0.034038261	10.78282738	0.000994723	0.000994723	5.23177E-06	0.005034389	0.000902703	0.019627245	0.015179784	5.14701E-06	14.20073795	1.36038E-05	0.000164806	0.0002096	0.001048182
2102 Aug	70.79872131	0.054527655	0.044206426	0.002231054	25.46556282	0.034099013	10.80343628	0.000996019	0.000996019	5.23884E-06	0.005041806	0.000904291	0.01966857	0.015199726	5.15389E-06	14.22106457	1.36209E-05	0.000165037	0.00020985	0.00104973
2102 Sep	70.83758545	0.054557096	0.044194698	0.002230945	25.47808075	0.034126278	10.8125391	0.000996301	0.000996301	5.24054E-06	0.005045025	0.000904963	0.019688897	0.015204944	5.15549E-06	14.22777843	1.36261E-05	0.000165118	0.000209884	0.001050223
2102 Oct	70.76116943	0.054548908	0.044081923	0.002226217	25.44672966	0.034106754	10.80524445	0.000994841	0.000994841	5.23313E-06	0.005042798	0.000904352	0.019679947	0.0151857	5.14811E-06	14.21233559	1.36141E-05	0.000164937	0.000209535	0.00104909
2102 Nov	70.76726532	0.054558609	0.044082105	0.002226294	25.44855118	0.034111209	10.80623341	0.000994924	0.000994924	5.23357E-06	0.005043559	0.000904463	0.019682009	0.01518716	5.14854E-06	14.2137928	1.36156E-05	0.000164954	0.000209547	0.00104919
2102 Dec	70.76895142	0.054560244	0.044083033	0.002226345	25.44913483	0.034112114	10.8064785	0.000994949	0.000994949	5.2337E-06	0.005043702	0.000904487	0.019682467	0.015187551	5.14867E-06	14.21415806	1.36159E-05	0.000164958	0.000209552	0.001049216
2103 Jan	70.76944733	0.054560751	0.044083249	0.002226356	25.44928741	0.034112334	10.80654049	0.000994955	0.000994955	5.23373E-06	0.00504374	0.000904495	0.019682566	0.015187706	5.14877E-06	14.21429253	1.3616E-05	0.00016496	0.000209554	0.001049224
2103 Feb	70.77067566	0.054561723	0.044083945	0.00222639	25.44971085	0.034112867	10.80671597	0.000994971	0.000994971	5.23381E-06	0.005043822	0.000904512	0.019682866	0.015188024	5.14879E-06	14.21457577	1.36162E-05	0.000164963	0.000209559	0.001049242
2103 Mar	70.77322388	0.054563697	0.044085495	0.002226467	25.45061493	0.034114055	10.80709743	0.000995006	0.000995006	5.234E-06	0.005044001	0.000904545	0.019683549	0.0151886	5.14897E-06	14.21510792	1.36167E-05	0.000164969	0.000209567	0.001049279
2103 Apr	70.78607941	0.054573622	0.04409349	0.002226871	25.45523453	0.034120236	10.80905819	0.000995186	0.000995186	5.23495E-06	0.005044915	0.00090471	0.019687114	0.015191377	5.1499E-06	14.21770382	1.36192E-05	0.000165	0.000209605	0.0104947
2103 May	70.85591125	0.0546179	0.044076253	0.002225771	25.46309853	0.034114584	10.81103802	0.000995576	0.000995576	5.23671E-06	0.005049682	0.000906653	0.019683426	0.01524017	5.15173E-06	14.25510597	1.36381E-05	0.000165525	0.000210406	0.001050305
2103 Jun	70.81842804	0.054482106	0.043832283	0.002213666	25.40300369	0.033988465	10.79196072	0.000992944	0.000992944	5.22281E-06	0.005047495	0.000908947	0.019639893	0.015303945	5.13807E-06	14.2977581	1.3656E-05	0.000166311	0.000211622	0.001048867
2103 Jul	70.89852142	0.054483663	0.043832179	0.00221444	25.42829514	0.034030419	10.80911255	0.000993848	0.000993848	5.22791E-06	0.005054476	0.000910311	0.019677699	0.015315178	5.14297E-06	14.30984783	1.3677E-05	0.000166474	0.000211754	0.001049955
2103 Aug	70.92809296	0.054444741	0.043789443	0.002213477	25.43492317	0.03407174	10.81860828	0.00099424	0.00099424	5.23021E-06	0.005057323	0.000911462	0.019701105	0.01531982	5.14517E-06	14.31470776	1.36757E-05	0.000166485	0.000211724	0.001050572
2103 Sep	70.92563629	0.054469202	0.043730147	0.002211297	25.43127823	0.034084942	10.82284737	0.000993811	0.000993811	5.22826E-06	0.005059066	0.000911719	0.01971348	0.0153153	5.14315E-06	14.3131218	1.36751E-05	0.000166465	0.000211595	0.001050476
2103 Oct	70.8398819	0.054489791	0.043600973	0.002206084	25.39421844	0.034071021	10.81274033	0.000992378	0.000992378	5.22085E-06	0.00505851	0.000911192	0.019700455	0.015296914	5.13582E-06	14.29839516	1.36637E-05	0.000166299	0.000211204	0.001049323
2103 Nov	70.81907654	0.054500569	0.043567374	0.002204766	25.38480949	0.034069266	10.81010532	0.00099205	0.00099205	5.21914E-06	0.005058757	0.0009111	0.019697148	0.015292912	5.13414E-06	14.29524803	1.36613E-05	0.000166264	0.000211107	0.001049062
2103 Dec	70.82009125	0.054501802	0.04356781	0.002204793	25.38513947	0.034069885	10.81024551	0.000992066	0.000992066	5.21922E-06	0.005058859	0.000911116	0.019697422	0.015293164	5.13422E-06	14.29548454	1.36616E-05	0.000166267	0.00021111	0.001049078
2104 Jan	70.82032776	0.054502148	0.04356784	0.002204795	25.38519669	0.034069981	10.81026649	0.000992069	0.000992069	5.21924E-06	0.005058881	0.000911121	0.019697443	0.015293279	5.13423E-06	14.295578	1.36616E-05	0.000166268	0.000211112	0.001049082
2104 Feb	70.82087708	0.054502595	0.043568097	0.002204806	25.38536644	0.03407016	10.81033325	0.000992074	0.000992074	5.21927E-06	0.005058913	0.00091113	0.01969754	0.015293464	5.13426E-06	14.29573441	1.36617E-05	0.00016627	0.000211115	0.001049089
2104 Mar	70.82360077	0.054504704	0.043569725	0.002204887	25.38632965	0.034071427	10.81074047	0.000992112	0.000992112	5.21946E-06	0.005059103	0.000911166	0.019698268	0.015294088	5.13445E-06	14.29630947	1.36622E-05	0.000166277	0.000211123	0.00104913
2104 Apr	70.84394073	0.054520369	0.043582216	0.002205519	25.39361191	0.034081191	10.81384087	0.000992396	0.000992396	5.22096E-06	0.005060554	0.000911428	0.01970391	0.015298502	5.13592E-06	14.3004303	1.36661E-05	0.000166325	0.000211184	0.001049431
2104 May	70.92681122	0.054567054	0.04354281	0.002203185	25.39840889	0.034062687	10.81435299	0.000992635	0.000992635	5.22184E-06	0.005065893	0.000914007	0.019694202	0.015365019	5.13691E-06	14.35078049	1.36898E-05	0.000167041	0.000212294	0.001050343
2104 Jun	70.89322662	0.054441553	0.04334145	0.002193145	25.35274696	0.033960156	10.802845	0.000990196	0.000990196	5.20926E-06	0.005062243	0.000915552	0.019666897	0.01540706	5.12446E-06	14.37855816	1.36999E-05	0.00016757	0.000213156	0.001049032
2104 Jul	71.01321411	0.054493573	0.043382034	0.002195707	25.39363098	0.03402007	10.82461071	0.00099171	0.00099171	5.21747E-06	0.005071491	0.000917313	0.019710759	0.015428832	5.13245E-06	14.39998627	1.37262E-05	0.000167832	0.000213443	0.001050741
2104 Aug	71.10823059	0.054536179	0.043402597	0.002197255	25.42678833	0.034074493	10.84346867	0.000992748	0.000992748	5.22322E-06	0.005077699	0.000918746	0.019749286	0.015444861	5.13802E-06	14.41674805	1.37397E-05	0.000168017	0.000213636	0.001052057
2104 Sep	71.09140015	0.054527272	0.04333451	0.002194656	25.41803551	0.034082923	10.84548283	0.000992157	0.000992157	5.22041E-06	0.005077621	0.000918851	0.01975943	0.015436832	5.13517E-06	14.41216278	1.37327E-05	0.00016797	0.000213451	0.0010517
2104 Oct	71.03430176	0.054548852	0.043241408	0.0021905	25.39296722	0.034076381	10.83922386	0.000991173	0.000991173	5.21535E-06	0.005077226	0.000918542	0.019752167	0.015424173	5.13015E-06	14.40230846	1.37255E-05	0.000167858	0.000213172	0.001050941
2104 Nov	71.02154541	0.054560065	0.043218102	0.002190062	25.38690186	0.034076717	10.83762264	0.000990976	0.000990976	5.21432E-06	0.005078172	0.000918512	0.019750388	0.015421841	5.12913E-06	14.40056896	1.37243E-05	0.00016784	0.000213108	0.001050791
2104 Dec	71.02288055	0.054561451	0.043218795	0.0021901	25.38735771	0.034077462	10.83781433	0.000990996	0.000990996	5.21442E-06	0.005078291	0.000918531	0.019750752	0.015422164	5.12923E-06	14.40086746	1.37246E-05	0.000167843	0.000213111	0.001050812
2105 Jan	71.02301788	0.054561686	0.04321878	0.0021901	25.3873806	0.034077507	10.83782101	0.000990997	0.000990997	5.21443E-06	0.005078304	0.000918535	0.01975075	0.015422242	5.12924E-06	14.40093231	1.37246E-05	0.000167844	0.000213113	0.001050814
2105 Feb	71.02360535	0.054562163	0.043219071	0.002190114	25.38756943	0.034077726	10.8378973	0.000991004	0.000991004	5.21446E-06	0.005078339	0.000918543	0.019750867	0.015422425	5.12928E-06	14.40108967	1.37247E-05	0.000167846	0.000213115	0.001050823
2105 Mar	71.02459717	0.054562937	0.043219641	0.002190142	25.38791466	0.034078162	10.83804226	0.000991017	0.000991017	5.21453E-06	0.005078407	0.000918557	0.019751118	0.015422673	5.12934E-06	14.40131092	1.37249E-05	0.000167848	0.000213119	0.001050837
2105 Apr	71.03580475	0.054571547	0.043226436	0.002190486	25.39191246	0.034083519	10.83974838	0.000991173	0.000991173	5.21535E-06	0.005079207	0.000918702	0.01975422	0.015425121	5.13015E-06	14.40359497	1.37271E-05	0.000167875	0.000213153	0.001051003
2105 May	71.10283661	0.054605734	0.043194462	0.002188602	25.39689064	0.03406946	10.84131527	0.00099132	0.00099132	5.2159E-06	0.005083235	0.000920717	0.019748913	0.015476327	5.13076E-06	14.44254017	1.37455E-05	0.000168427	0.000214014	0.001051721
2105 Jun	71.16378021	0.054600004	0.043118715	0.002184721	25.39510727	0.034039438	10.84379673	0.000990952	0.000990952	5.21396E-06	0.005086764	0.000922904	0.019747024	0.01552802	5.12885E-06	14.48169327	1.37674E-05	0.00016902	0.000214922	0.001052139
2105 Jul	71.28915405	0.05465816	0.043163888	0.002187466	25.43887711	0.034104418	10.86685658	0.000992499	0.000992499	5.22236E-06	0.005095595	0.000924736	0.019792017	0.015551194	5.13703E-06	14.50428104	1.37909E-05	0.000169272	0.000215229	0.001053963
2105 Aug	71.29075623	0.054600872	0.043093037	0.002184949	25.43722534	0.034125905	10.87483978	0.00099208	0.00099208	5.22066E-06	0.005095062	0.000925247	0.019814808	0.01554399	5.1352E-06	14.50061607	1.37819E-05	0.000169207	0.000215058	0.001053878
2105 Sep	71.22519684	0.054575395	0.042969733	0.00218005	25.40871429	0.03412297	10.87007904	0.000990796	0.000990796	5.21422E-06	0.005093227	0.000924957	0.019815631	0.015525604	5.12877E-06	14.48731995	1.37653E-05	0.000169065	0.000214672	0.001052833
2105 Oct	71.16440582	0.054588869	0.042874806	0.002176213	25.38284874	0.034113381	10.86379147	0.000989715	0.000989715	5.20869E-06	0.005092686	0.000924558	0.019808274	0.015511137	5.12328E-06	14.47595882	1.37569E-05	0.000168933	0.000214376	0.001051995
2105 Nov	71.13945007	0.054597352	0.042838123	0.00217475	25.37200928	0.034110028	10.86064053	0.000989325	0.000989325	5.20665E-06	0.005092673	0.00092441	0.019804109	0.015505996	5.12128E-06	14.47182941	1.37537E-05	0.000168887	0.000214262	0.001051673
2105 Dec	71.13996124	0.054598238	0.042838264	0.002174762	25.37215996	0.034110412	10.86070156	0.000989334	0.000989334	5.2067E-06	0.005092742	0.000924419	0.019804236	0.015506148	5.12132E-06	14.47197247	1.37539E-05	0.000168889	0.000214263	0.001051682
2106 Jan	71.14014435	0.054598544	0.042838261	0.002174763	25.3721962	0.034110479	10.86071205	0.000989336	0.000989336	5.20671E-06	0.00509276	0.000924424	0.019804239	0.01550625	5.12133E-06	14.47205448	1.37539E-05	0.00016889	0.000214264	0.001051685
2106 Feb	71.14045715	0.054598812	0.042838369	0.002174767	25.37228394	0.034110546	10.86074352	0.000989339	0.000989339	5.20672E-06	0.005092775	0.000924429	0.019804273	0.015506386	5.12134E-06	14.47216511	1.3754E-05	0.000168891	0.000214267	0.001051689
2106 Mar	71.1418457	0.054599892	0.042839162	0.002174806	25.37276459	0.034111168	10.86094761	0.000989357	0.000989357	5.20682E-06	0.00509287	0.000924448	0.019804627	0.015506727	5.12144E-06	14.47247314	1.37542E-05	0.000168895	0.000214271	0.001051709
2106 Apr	71.15662384	0.054611243	0.042848036	0.002175256	25.37802887	0.034118231	10.86319923	0.000989562	0.000989562	5.2079E-06	0.005093926	0.000924641	0.019808726	0.01550997	5.1225E-06	14.47549343	1.37571E-05	0.00016893	0.000214316	0.001051928
2106 May	71.21663666	0.054653451	0.042860396	0.002175785	25.39253426	0.034130961	10.86881638	0.00099016	0.00099016	5.21093E-06	0.005098104	0.000925839	0.019815957	0.015536711	5.12552E-06	14.49713326	1.37709E-05	0.000169218	0.000214738	0.001052734
2106 Jun	71.14851379	0.054488882	0.042627461	0.002164747	25.32592201	0.034012754	10.84635067	0.000987867	0.000987867	5.19871E-06	0.005097464	0.000927435	0.019774314	0.015578916	5.11354E-06	14.52321625	1.37917E-05	0.000169828	0.00021555	0.001051025
2106 Jul	71.26296997	0.054513797	0.042645697	0.002166569	25.36193848	0.034070347	10.86789989	0.000989352	0.000989352	5.20681E-06	0.005108056	0.000929306	0.019821657	0.015598172	5.12142E-06	14.54272842	1.38235E-05	0.000170102	0.000215784	0.001052617
2106 Aug	71.28588867	0.054472119	0.042590834	0.002164942	25.36719894	0.034105677	10.87812138	0.000989395	0.000989395	5.20743E-06	0.005109611	0.000930207	0.019848149	0.015597627	5.12191E-06	14.54447937	1.3819E-05	0.000170093	0.000215691	0.001052952
2106 Sep	71.24343109	0.054450806	0.042490155	0.002161083	25.34737778	0.03411299	10.87617016	0.000988514	0.000988514	5.20306E-06	0.005108791	0.000930189	0.019854276	0.015584674	5.11753E-06	14.53601265	1.38052E-05	0.000170012	0.000215386	0.001052237
2106 Oct	71.23571014	0.054476257	0.042455815	0.002159843	25.34250832	0.034119457	10.8765192	0.000988289	0.000988289	5.20196E-06	0.005110208	0.000930288	0.019857014	0.01558234	5.11642E-06	14.53494167	1.38054E-05	0.000169999	0.000215304	0.001052156
2106 Nov	71.24408722	0.054483499	0.042460248	0.0021608	25.34543228	0.034123726	10.87780666	0.000988405	0.000988405	5.20257E-06	0.005110862	0.000930402	0.019859405	0.015584193	5.11702E-06	14.5366869	1.38071E-05	0.00017002	0.000215328	0.001052281
2106 Dec	71.24515533	0.054484569	0.042460795	0.00216011	25.34579468	0.034124307	10.87796021	0.000988421	0.000988421	5.20265E-06	0.005110955	0.000930418	0.019859694	0.015584448	5.1171E-06	14.53692341	1.38073E-05	0.000170022	0.000215331	0.001052298
2107 Jan	71.24539948	0.054484855	0.042460881	0.002160114	25.34586525	0.034124412	10.87798786	0.000988424	0.000988424	5.20267E-06	0.005110975	0.000930422	0.019859737	0.015584539	5.11712E-06	14.53700066	1.38073E-05	0.000170023	0.000215333	0.001052301
2107 Feb	71.24638367	0.054485619	0.042461418	0.002160141	25.34620094	0.034124833	10.87812901	0.000988436	0.000988436	5.20273E-06	0.005111041	0.000930436	0.019859977	0.015584794	5.11718E-06	14.53722858	1.38075E-05	0.000170026	0.000215336	0.001052316
2107 Mar	71.24957275	0.054488067	0.042463291	0.002160236	25.34732628	0.034126338	10.87861061	0.00098848	0.00098848	5.20296E-06	0.005111268	0.000930478	0.019860849	0.015585512	5.11741E-06	14.5378933	1.38081E-05	0.000170034	0.000215346	0.001052363
2107 Apr	71.25695801	0.054493722	0.04246768	0.002160459	25.34994888	0.034129858	10.87973499	0.000988582	0.000988582	5.2035E-06	0.005111796	0.000930575	0.019862898	0.01558714	5.11794E-06	14.53940868	1.38096E-05	0.000170052	0.000215369	0.001052472
2107 May	71.2948761	0.054510452	0.04244867	0.002159343	25.35324669	0.034121726	10.88126087	0.000988622	0.000988622	5.20362E-06	0.005113853	0.000931681	0.019861197	0.015614907	5.11808E-06	14.56061459	1.38196E-05	0.000170351	0.000215842	0.00105286
2107 Jun	71.34263611	0.054485191	0.042342305	0.002153942	25.34008026	0.03407206	10.87858295	0.000987942	0.000987942	5.19994E-06	0.005117133	0.000934089	0.01984876	0.015674723	5.11449E-06	14.60468102	1.38439E-05	0.000171048	0.000216898	0.001053015
2107 Jul	71.43466949	0.054507751	0.042358894	0.002155422	25.37094498	0.034123436	10.89697838	0.00098905	0.00098905	5.20605E-06	0.005124081	0.000935597	0.019886499	0.015690401	5.12042E-06	14.6203146	1.3862E-05	0.000171221	0.000217089	0.001054362
2107 Aug	71.55552673	0.054576807	0.04240711	0.002158234	25.41333961	0.034187827	10.91826916	0.000990575	0.000990575	5.21425E-06	0.005132433	0.000937347	0.019927712	0.015714182	5.12843E-06	14.6433506	1.38824E-05	0.000171477	0.000217398	0.001056127
2107 Sep	71.60334778	0.054626897	0.042400677	0.002158391	25.4291172	0.03421874	10.92883587	0.000990962	0.000990962	5.21651E-06	0.005136789	0.000938112	0.019949757	0.015721345	5.13058E-06	14.65180492	1.38914E-05	0.000171573	0.000217461	0.001056782
2107 Oct	71.57502747	0.054640759	0.0423465	0.002156246	25.41672897	0.034217045	10.92682362	0.000990386	0.000990386	5.21361E-06	0.005136956	0.000937965	0.019948706	0.015713632	5.12769E-06	14.64613342	1.38877E-05	0.000171505	0.000217297	0.001056387
2107 Nov	71.56114197	0.0546473	0.042324301	0.002155371	25.41064644	0.034215819	10.92523766	0.000990158	0.000990158	5.21243E-06	0.005137045	0.000937889	0.019946827	0.015710576	5.12652E-06	14.64375877	1.3886E-05	0.000171478	0.000217228	0.001056208
2107 Dec	71.5621109	0.054648388	0.042324752	0.002155398	25.41096687	0.034216382	10.92537308	0.000990172	0.000990172	5.2125E-06	0.005137137	0.000937904	0.019947086	0.015710816	5.12659E-06	14.64398193	1.38862E-05	0.00017148	0.000217231	0.001056224
2108 Jan	71.56259155	0.054648887	0.042324945	0.002155408	25.41111183	0.03421659	10.92543221	0.000990178	0.000990178	5.21253E-06	0.005137175	0.000937912	0.019947181	0.01571097	5.12663E-06	14.6441164	1.38863E-05	0.000171482	0.000217233	0.001056231
2108 Feb	71.56303406	0.054649256	0.042325146	0.002155417	25.41124916	0.034216739	10.92548752	0.000990183	0.000990183	5.21256E-06	0.005137201	0.000937919	0.019947261	0.015711125	5.12665E-06	14.6442461	1.38864E-05	0.000171484	0.000217235	0.001056237
2108 Mar	71.56665039	0.054652032	0.042327251	0.002155523	25.41252327	0.034218431	10.92603207	0.000990233	0.000990233	5.21282E-06	0.005137457	0.000937967	0.019948242	0.015711948	5.12691E-06	14.64500713	1.38871E-05	0.000171493	0.000217247	0.00105629
2108 Apr	71.59529114	0.054673843	0.042343944	0.00215637	25.42265511	0.034231942	10.93039608	0.000990623	0.000990623	5.21488E-06	0.00513949	0.000938345	0.01995616	0.015718339	5.12893E-06	14.65093803	1.38926E-05	0.000171562	0.000217336	0.001056711

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2108 May	71.66053009	0.054722562	0.042377476	0.002158037	25.44470215	0.034259547	10.93991089	0.000991445	0.000991445	5.2192E-06	0.005143923	0.000939267	0.019972732	0.015735123	5.13318E-06	14.66598701	1.39051E-05	0.000171742	0.000217582	0.001057649
2108 Jun	71.60641479	0.054588258	0.042231131	0.002152072	25.39770699	0.034201197	10.92393589	0.000990755	0.000990755	5.21529E-06	0.005149247	0.000940158	0.01995527	0.015747277	5.12942E-06	14.67201519	1.39345E-05	0.000172079	0.000217764	0.001056576
2108 Jul	71.75869751	0.054668576	0.042292617	0.002155749	25.44823837	0.034273755	10.94888687	0.000992857	0.000992857	5.22648E-06	0.005162254	0.000942372	0.020006305	0.015777582	5.14039E-06	14.70117474	1.39727E-05	0.000172466	0.000218164	0.001058747
2108 Aug	71.93323517	0.054786008	0.042376921	0.002160277	25.51005363	0.034360658	10.97800541	0.000995091	0.000995091	5.23841E-06	0.005174339	0.000944732	0.02006156	0.01581301	5.15207E-06	14.7352562	1.40041E-05	0.000172861	0.000218643	0.001061257
2108 Sep	71.97473907	0.054815821	0.042370472	0.002160325	25.52436829	0.0343858	10.98801136	0.000995353	0.000995353	5.24005E-06	0.005177353	0.000945355	0.020082578	0.015817812	5.1536E-06	14.74158287	1.40104E-05	0.000172931	0.000218689	0.001061773
2108 Oct	71.87900543	0.054820113	0.042241443	0.002154996	25.48538208	0.034365188	10.97726059	0.000993734	0.000993734	5.23173E-06	0.005175258	0.000944575	0.020068074	0.015794905	5.14535E-06	14.7230196	1.39959E-05	0.000172712	0.000218249	0.001060441
2108 Nov	71.87052155	0.05483206	0.042223729	0.002154344	25.48113823	0.034366775	10.9762249	0.000993607	0.000993607	5.23106E-06	0.005175817	0.000944576	0.020067131	0.015793404	5.14469E-06	14.72199345	1.39953E-05	0.000172701	0.0002182	0.001060351
2108 Dec	71.87187958	0.054833442	0.042224403	0.002154382	25.48159218	0.03436752	10.9764185	0.000993627	0.000993627	5.23116E-06	0.005175937	0.000944595	0.020067496	0.015793728	5.1448E-06	14.72229576	1.39956E-05	0.000172705	0.000218204	0.001060372
2109 Jan	71.87220001	0.054833826	0.042224508	0.002154387	25.48168373	0.034367658	10.97645378	0.00099363	0.00099363	5.23118E-06	0.005175964	0.000944601	0.02006755	0.015793849	5.14482E-06	14.72239876	1.39956E-05	0.000172706	0.000218206	0.001060377
2109 Feb	71.87299347	0.054834459	0.04222491	0.002154407	25.48194695	0.034367971	10.97656345	0.00099364	0.00099364	5.23123E-06	0.005176015	0.000944613	0.020067725	0.01579408	5.14487E-06	14.72259998	1.39958E-05	0.000172708	0.000218209	0.001060389
2109 Mar	71.8769455	0.054837484	0.042227197	0.002154523	25.4833374	0.034369826	10.9771595	0.000993694	0.000993694	5.23152E-06	0.005176297	0.000944666	0.020068804	0.015794978	5.14515E-06	14.72343063	1.39965E-05	0.000172718	0.000218222	0.001060447
2109 Apr	71.89613342	0.054852135	0.042238437	0.002155096	25.49013329	0.034378968	10.98008537	0.000993959	0.000993959	5.23291E-06	0.005177675	0.000944918	0.020074144	0.015799224	5.14651E-06	14.7273798	1.40003E-05	0.000172764	0.000218281	0.00106073
2109 May	71.96206665	0.054885224	0.042216156	0.002153725	25.49813461	0.034370832	10.9834528	0.000994157	0.000994157	5.23381E-06	0.005181433	0.000946706	0.020073373	0.01584347	5.14744E-06	14.761446	1.40172E-05	0.000173241	0.000219027	0.001061452
2109 Jun	72.06056976	0.054912053	0.042156998	0.002150577	25.50583839	0.034350447	10.98855114	0.000994286	0.000994286	5.23434E-06	0.005187817	0.000949615	0.020074062	0.015912369	5.14801E-06	14.81438255	1.40478E-05	0.000174016	0.000220198	0.001062421
2109 Jul	72.1443634	0.05492096	0.042162802	0.002151616	25.53358269	0.034400083	11.00639915	0.00099526	0.00099526	5.23978E-06	0.005194134	0.000951078	0.020111263	0.015925737	5.15327E-06	14.8279438	1.40636E-05	0.000174159	0.000220351	0.001063661
2109 Aug	72.22714996	0.0549419	0.042174097	0.002152957	25.56080627	0.034456883	11.02250576	0.000996391	0.000996391	5.24591E-06	0.00520042	0.000952642	0.020144289	0.01594229	5.15924E-06	14.84367371	1.40751E-05	0.000174309	0.000220523	0.001065009
2109 Sep	72.22638702	0.054958027	0.042120263	0.002150962	25.55883217	0.034469265	11.02754402	0.000995956	0.000995956	5.24396E-06	0.005201587	0.000952841	0.020158049	0.015936641	5.15722E-06	14.84125996	1.40738E-05	0.000174276	0.000220389	0.001064907
2109 Oct	72.11332703	0.054970384	0.04197064	0.00214483	25.51247787	0.034446768	11.01406097	0.000994132	0.000994132	5.23453E-06	0.005199577	0.000951945	0.020139465	0.015910566	5.14789E-06	14.82004642	1.40571E-05	0.000174027	0.000219874	0.001063372
2109 Nov	72.11314392	0.054982305	0.041962977	0.002144597	25.51161194	0.03445033	11.01410389	0.000994132	0.000994132	5.23452E-06	0.005200332	0.000952015	0.020140123	0.015910871	5.14788E-06	14.82053471	1.40578E-05	0.000174034	0.000219859	0.001063396
2109 Dec	72.11486053	0.054983936	0.041963872	0.002144646	25.5121994	0.034451243	11.01435566	0.000994157	0.000994157	5.23465E-06	0.005200476	0.00095204	0.020140594	0.015911277	5.14801E-06	14.82091331	1.40581E-05	0.000174038	0.000219864	0.001063422
2110 Jan	72.11565399	0.054984659	0.041964252	0.002144665	25.51245689	0.034451604	11.01446342	0.000994167	0.000994167	5.2347E-06	0.005200536	0.000952052	0.02014078	0.015911495	5.14806E-06	14.82110786	1.40583E-05	0.000174041	0.000219868	0.001063434
2110 Feb	72.11669159	0.054985475	0.041964803	0.002144692	25.51280785	0.03445204	11.01461029	0.00099418	0.00099418	5.23477E-06	0.005200606	0.000952067	0.02014103	0.015911775	5.14813E-06	14.82135487	1.40585E-05	0.000174044	0.000219872	0.001063449
2110 Mar	72.11951447	0.054987635	0.041966408	0.002144773	25.51379395	0.034453355	11.01503468	0.000994219	0.000994219	5.23497E-06	0.005200806	0.000952104	0.020141793	0.015912423	5.14833E-06	14.82195187	1.4059E-05	0.000174051	0.000219881	0.00106349
2110 Apr	72.13114166	0.054996509	0.041973162	0.002145118	25.51790237	0.034458891	11.01680756	0.000994378	0.000994378	5.23582E-06	0.005201643	0.000952258	0.020145029	0.015915006	5.14916E-06	14.82435417	1.40613E-05	0.000174079	0.000219916	0.001063662
2110 May	72.17475128	0.055025857	0.041980609	0.002145422	25.52835464	0.034467436	11.02102757	0.000994784	0.000994784	5.23788E-06	0.005204584	0.000953133	0.02015049	0.015934482	5.15121E-06	14.84011269	1.40712E-05	0.000174289	0.000220227	0.001064237
2110 Jun	72.13492584	0.054897178	0.041769069	0.002134941	25.47139549	0.034350961	11.0009861	0.000992594	0.000992594	5.22616E-06	0.005203356	0.000955121	0.020106971	0.015991451	5.13974E-06	14.87766457	1.40905E-05	0.000175009	0.000221305	0.001062903
2110 Jul	72.23269653	0.054921899	0.041787077	0.002136563	25.50281715	0.034401461	11.01948071	0.000993845	0.000993845	5.23298E-06	0.005211889	0.000956709	0.020146603	0.016008306	5.14638E-06	14.89455414	1.41153E-05	0.000175231	0.000221512	0.001064286
2110 Aug	72.11641693	0.054742485	0.04161131	0.002129733	25.45540428	0.034396321	11.01042557	0.000992136	0.000992136	5.22442E-06	0.005204685	0.000956374	0.020143732	0.015977122	5.13783E-06	14.86833096	1.40775E-05	0.000174873	0.000220895	0.001062731
2110 Sep	72.02131653	0.05472628	0.04146136	0.002123682	25.41616249	0.034384709	11.001894	0.000990411	0.000990411	5.21569E-06	0.005202125	0.000955721	0.020137647	0.015951268	5.12913E-06	14.84867096	1.40576E-05	0.000174649	0.00022038	0.00106131
2110 Oct	71.91342926	0.054759152	0.041317828	0.002117936	25.37071991	0.034368694	10.9876442	0.00098882	0.00098882	5.20735E-06	0.005201539	0.000954967	0.020117668	0.015928598	5.12091E-06	14.83020687	1.40431E-05	0.000174436	0.00021989	0.00105993
2110 Nov	71.88805389	0.05476262	0.041283812	0.002116545	25.36034203	0.034363862	10.98469162	0.000988406	0.000988406	5.20521E-06	0.005201111	0.000954765	0.020113671	0.015922619	5.1188E-06	14.82537651	1.40394E-05	0.000174379	0.000219772	0.001059586
2110 Dec	71.8892746	0.054764055	0.041284345	0.002116577	25.36073685	0.034364592	10.98485947	0.000988425	0.000988425	5.20531E-06	0.005201233	0.000954784	0.020113993	0.01592293	5.11889E-06	14.82566452	1.40396E-05	0.000174383	0.000219776	0.001059605
2111 Jan	71.88965607	0.054764513	0.041284464	0.002116584	25.36084557	0.034364756	10.98490143	0.000988429	0.000988429	5.20533E-06	0.005201264	0.000954791	0.020114055	0.015923074	5.11892E-06	14.82578754	1.40397E-05	0.000174384	0.000219778	0.001059611
2111 Feb	71.89000702	0.054764807	0.041284595	0.002116589	25.36094475	0.034364842	10.98493958	0.000988432	0.000988432	5.20535E-06	0.005201282	0.000954797	0.020114101	0.015923217	5.11893E-06	14.82590485	1.40398E-05	0.000174386	0.00021978	0.001059616
2111 Mar	71.89551544	0.054769024	0.04128772	0.002116748	25.36287689	0.034367435	10.98577404	0.000988507	0.000988507	5.20575E-06	0.005201677	0.000954871	0.020115612	0.015924474	5.11932E-06	14.82706642	1.40408E-05	0.0001744	0.000219797	0.001059697
2111 Apr	71.91674805	0.054785207	0.041299891	0.002117372	25.37036133	0.03437756	10.98901272	0.000988799	0.000988799	5.20728E-06	0.005203211	0.000955154	0.020121537	0.015929198	5.12083E-06	14.83145809	1.4045E-05	0.000174451	0.000219863	0.00106001
2111 May	71.98137665	0.054826707	0.041300144	0.002117218	25.38266945	0.034382451	10.99361038	0.000989285	0.000989285	5.20968E-06	0.005207464	0.000956641	0.020125125	0.015964456	5.12324E-06	14.85921764	1.40607E-05	0.000174831	0.000220436	0.001060822
2111 Jun	72.00925446	0.054776344	0.041151486	0.002109496	25.35293579	0.034299262	10.98286724	0.000988019	0.000988019	5.20274E-06	0.005209156	0.000959341	0.020093931	0.016038543	5.1165E-06	14.9119873	1.4085E-05	0.000175684	0.000221767	0.001060558
2111 Jul	72.17567444	0.054878581	0.041227955	0.002113764	25.40986443	0.03437984	11.0098772	0.000990266	0.000990266	5.21469E-06	0.005222071	0.000961696	0.020146409	0.016073192	5.12821E-06	14.94482231	1.41211E-05	0.000176087	0.000222234	0.001062973
2111 Aug	72.15097809	0.054796293	0.041137889	0.002110516	25.39802361	0.034397945	11.01344109	0.000989662	0.000989662	5.21193E-06	0.005220301	0.000962038	0.020162428	0.016061174	5.12537E-06	14.93645382	1.41054E-05	0.000175959	0.00022196	0.001062605
2111 Sep	72.1476593	0.054794267	0.041086514	0.002108765	25.39387703	0.034416672	11.0159359	0.000989454	0.000989454	5.21101E-06	0.005221298	0.000962358	0.020174297	0.016057594	5.12442E-06	14.93573856	1.40994E-05	0.000175965	0.00022182	0.001062486
2111 Oct	72.0724411	0.054796509	0.040985275	0.002104573	25.36388206	0.034400489	11.00811768	0.000988146	0.000988146	5.20433E-06	0.005219446	0.000961699	0.020164134	0.016038235	5.11778E-06	14.92021656	1.40876E-05	0.000175778	0.000221458	0.001061424
2111 Nov	72.02105713	0.054805893	0.040921643	0.002101988	25.3427639	0.034390993	11.00128937	0.000987392	0.000987392	5.20038E-06	0.00521875	0.000961295	0.020154221	0.016027149	5.11389E-06	14.91106129	1.40803E-05	0.000175672	0.00022123	0.001060755
2111 Dec	72.02166748	0.054808255	0.040921248	0.002101989	25.34285355	0.034391824	11.00133324	0.000987406	0.000987406	5.20045E-06	0.005218917	0.000961314	0.020154366	0.016027411	5.11396E-06	14.9113121	1.40805E-05	0.000175675	0.000221231	0.001060769
2112 Jan	72.02204132	0.054808728	0.040921345	0.002101994	25.34295464	0.034391981	11.00137138	0.000987411	0.000987411	5.20047E-06	0.005218949	0.000961321	0.020154418	0.016027564	5.11398E-06	14.91143894	1.40806E-05	0.000175676	0.000221233	0.001060775
2112 Feb	72.02305603	0.054809533	0.040921837	0.002102017	25.3432827	0.034392372	11.00150776	0.000987423	0.000987423	5.20053E-06	0.005219013	0.000961337	0.020154636	0.016027868	5.11404E-06	14.91170216	1.40808E-05	0.00017568	0.000221238	0.00106079
2112 Mar	72.02954865	0.054814488	0.04092548	0.002102203	25.34555054	0.034395419	11.00248814	0.000987511	0.000987511	5.201E-06	0.005219479	0.000961424	0.020156419	0.01602935	5.1145E-06	14.91307259	1.4082E-05	0.000175696	0.000221259	0.001060885
2112 Apr	72.04795074	0.054828502	0.040935908	0.002102738	25.35201836	0.034404177	11.0052948	0.000987762	0.000987762	5.20232E-06	0.005220809	0.00096167	0.020161547	0.016033471	5.1158E-06	14.91689873	1.40856E-05	0.000175741	0.000221316	0.001061156
2112 May	72.11257935	0.054867223	0.04091825	0.002101571	25.35879707	0.034395669	11.00688267	0.000988063	0.000988063	5.20364E-06	0.005224919	0.000963489	0.020157028	0.016080003	5.11718E-06	14.95241165	1.41031E-05	0.00017624	0.000222089	0.001061904
2112 Jun	72.00027466	0.054648999	0.040624309	0.00208675	25.27137375	0.034220695	10.97705173	0.00098417	0.00098417	5.18322E-06	0.005216394	0.000964759	0.020093378	0.016127469	5.09707E-06	14.97953606	1.41089E-05	0.000176863	0.00022313	0.001059217
2112 Jul	72.05880737	0.054630239	0.040609635	0.002086904	25.28717995	0.034249797	10.98986626	0.000984899	0.000984899	5.18734E-06	0.005223367	0.000965875	0.020125445	0.016134009	5.10103E-06	14.98735332	1.41321E-05	0.000177015	0.00022319	0.001059957
2112 Aug	72.18787384	0.054707561	0.040655971	0.00208964	25.33237457	0.034317136	11.01301289	0.000986418	0.000986418	5.19557E-06	0.005232102	0.000967697	0.020171111	0.016158566	5.10906E-06	15.01184273	1.41534E-05	0.000177299	0.00022351	0.001061757
2112 Sep	72.21073151	0.054722257	0.040633053	0.002088998	25.33939552	0.03433818	11.02004242	0.000986467	0.000986467	5.19607E-06	0.005234063	0.000968158	0.020188231	0.016159499	5.10947E-06	15.01486301	1.41546E-05	0.000177336	0.00022348	0.001062001
2112 Oct	72.19839478	0.054734658	0.040598772	0.002087669	25.33392143	0.034340087	11.02045441	0.000986116	0.000986116	5.19436E-06	0.005234428	0.000968115	0.020190883	0.016154518	5.10775E-06	15.01157188	1.4153E-05	0.000177293	0.000223375	0.001061814
2112 Nov	72.20093536	0.054742068	0.040595684	0.002087594	25.33448792	0.03434306	11.0210619	0.000986136	0.000986136	5.19448E-06	0.005234947	0.00096818	0.020192329	0.016154986	5.10786E-06	15.01218414	1.41538E-05	0.0001773	0.000223373	0.001061859
2112 Dec	72.20269012	0.054743689	0.040596575	0.002087642	25.33508301	0.034343977	11.02131653	0.000986161	0.000986161	5.19461E-06	0.005235093	0.000968205	0.020192808	0.016155399	5.10799E-06	15.01256847	1.41542E-05	0.000177305	0.000223378	0.001061886
2113 Jan	72.20291138	0.054743979	0.040596627	0.002087645	25.33514023	0.034344066	11.02133942	0.000986164	0.000986164	5.19462E-06	0.005235112	0.000968209	0.020192835	0.016155491	5.108E-06	15.01264572	1.41542E-05	0.000177306	0.000223379	0.001061889
2113 Feb	72.2037735	0.054744653	0.040597063	0.002087667	25.33542824	0.034344424	11.02146053	0.000986175	0.000986175	5.19468E-06	0.00523517	0.000968222	0.02019304	0.016155731	5.10806E-06	15.01285744	1.41544E-05	0.000177308	0.000223383	0.001061901
2113 Mar	72.21356964	0.054752093	0.040602546	0.002087948	25.33885574	0.03434905	11.02294922	0.000986308	0.000986308	5.19538E-06	0.005235877	0.000968354	0.020195758	0.016157947	5.10875E-06	15.01491165	1.41563E-05	0.000177333	0.000223414	0.001062045
2113 Apr	72.23171234	0.054765858	0.040612731	0.002088472	25.34521675	0.03435766	11.02571583	0.000986555	0.000986555	5.19668E-06	0.005237191	0.000968597	0.020200819	0.016162021	5.11003E-06	15.01869297	1.41598E-05	0.000177377	0.00022347	0.001062312
2113 May	72.29582214	0.054805189	0.040607847	0.002088028	25.35616684	0.034358874	11.02974606	0.00098697	0.00098697	5.1987E-06	0.005241273	0.000970146	0.020202767	0.01619949	5.11206E-06	15.04794407	1.41757E-05	0.00017778	0.000224086	0.001063093
2113 Jun	72.31331635	0.054745778	0.040474802	0.002081153	25.33086014	0.034285739	11.02245235	0.000985666	0.000985666	5.19179E-06	0.00524158	0.000972211	0.020180732	0.016255233	5.10528E-06	15.08749485	1.41943E-05	0.000178433	0.000225122	0.001062712
2113 Jul	72.43722534	0.054800842	0.040514939	0.002083778	25.3726635	0.034351893	11.04456043	0.000987283	0.000987283	5.2005E-06	0.00525108	0.000974144	0.020224746	0.016279658	5.11379E-06	15.11087608	1.42191E-05	0.000178702	0.000225433	0.00106455
2113 Aug	72.54073334	0.05484866	0.040543199	0.002085701	25.40857887	0.034409728	11.06426716	0.00098849	0.00098849	5.20711E-06	0.005258054	0.000975725	0.020263946	0.016298704	5.12021E-06	15.12984467	1.42352E-05	0.000178908	0.000225671	0.001066039
2113 Sep	72.53691864	0.054857589	0.040489864	0.002083726	25.40579605	0.034421884	11.06875038	0.00098805	0.00098805	5.20512E-06	0.005258803	0.000975876	0.020277191	0.016292034	5.11815E-06	15.12660599	1.42321E-05	0.000178866	0.000225519	0.001065888
2113 Oct	72.41169739	0.054862663	0.040337611	0.002077429	25.35618019	0.034394749	11.05379486	0.000986075	0.000986075	5.19491E-06	0.005255802	0.000974748	0.02025592	0.016261704	5.10805E-06	15.10177994	1.42126E-05	0.000178569	0.000224942	0.001064181
2113 Nov	72.38627625	0.054885179	0.040300891	0.002076057	25.34466743	0.034395192	11.04983044	0.000985777	0.000985777	5.19329E-06	0.005256596	0.000974642	0.020250486	0.016257413	5.10647E-06	15.0983839	1.42101E-05	0.000178532	0.00022482	0.001063908
2113 Dec	72.38808441	0.054887079	0.040301725	0.002076105	25.34526443	0.034396198	11.05008602	0.000985803	0.000985803	5.19343E-06	0.005256762	0.00097467	0.02025097	0.016257858	5.10661E-06	15.09879684	1.42105E-05	0.000178537	0.000224825	0.001063937
2114 Jan	72.38860321	0.054887634	0.040301919	0.002076115	25.34542084	0.034396429	11.05014896	0.00098581	0.00098581	5.19346E-06	0.005256803	0.000974679	0.020251073	0.016258035	5.10664E-06	15.09894943	1.42106E-05	0.000178539	0.000224828	0.001063944
2114 Feb	72.38905334	0.054888003	0.040302102	0.002076123	25.34555244	0.034396559	11.05020237	0.000985814	0.000985814	5.19349E-06	0.005256828	0.000974686	0.020251144	0.016258199	5.10667E-06	15.09908581	1.42107E-05	0.000178541	0.00022483	0.00106395
2114 Mar	72.3942337	0.054891948	0.040304948	0.002076269	25.34735489	0.03439898	11.05098534	0.000985884	0.000985884	5.19385E-06	0.0052572	0.000974756	0.020252565	0.016259398	5.10703E-06	15.10019112	1.42117E-05	0.000178554	0.000224847	0.001064026
2114 Apr	72.40723419	0.054901816	0.040312164	0.00207664	25.3519001	0.034405135	11.05296421	0.000986061	0.000986061	5.19478E-06	0.005258142	0.000974932	0.020256184	0.016262336	5.10794E-06	15.10291576	1.42143E-05	0.000178586	0.000224888	0.001064217
2114 May	72.45059967	0.054916807	0.040274985	0.00207445	25.35096169	0.034382768	11.05218506	0.000985911	0.000985911	5.19382E-06	0.005260124	0.000976472	0.020247066	0.016303955	5.10705E-06	15.13391399	1.4227E-05	0.000179032	0.00022561	0.001064591
2114 Jun	72.55250549	0.054941159	0.040224623	0.002071781	25.36248207	0.034368038	11.05961323	0.000986125	0.000986125	5.19489E-06	0.00526664	0.00097925	0.02025339	0.016367691	5.10812E-06	15.18342972	1.42581E-05	0.000179757	0.000226698	0.001065608
2114 Jul	72.73248291	0.055048164	0.040302649	0.002076162	25.42460632	0.034456205	11.08988571	0.000988447	0.000988447	5.20731E-06	0.005279863	0.00098181	0.020311495	0.016404668	5.12027E-06	15.21857548	1.42943E-05	0.000180172	0.0002272	0.001068217
2114 Aug	72.9112854	0.055169065	0.040386498	0.002080713	25.48699379	0.034545161	11.119174	0.000990761	0.000990761	5.21963E-06	0.005292539	0.000984305	0.020366872	0.016442662	5.13235E-06	15.25460625	1.43271E-05	0.000180592	0.000227713	0.001070812
2114 Sep	72.89206696	0.055171501	0.040315922	0.002078049	25.47802734	0.034555279	11.12147999	0.000990127	0.000990127	5.21662E-06	0.005292731	0.000984338	0.020377571	0.016432514	5.12929E-06	15.24855423	1.43203E-05	0.00018052	0.000227488	0.001070445
2114 Oct	72.83131409	0.055185553	0.040227171	0.002074465	25.45350456	0.034546494	11.11564922	0.000989062	0.000989062	5.21119E-06	0.005291919	0.000983846	0.020370942	0.016416196	5.12389E-06	15.23584557	1.43112E-05	0.000180365	0.000227167	0.001069611
2114 Nov	72.76416779	0.055193502	0.040148936	0.002071265	25.42657852	0.034533147	11.10677624	0.000988089	0.000988089	5.2061E-06	0.005290673	0.000983265	0.020357858	0.016401069	5.11887E-06	15.22330761	1.43013E-05	0.000180217	0.000226866	0.00106873
2114 Dec	72.76277924	0.055195328	0.040146619	0.002071181	25.42591858	0.034533359	11.10656166	0.000988073	0.000988073	5.20602E-06	0.005290753	0.000983263	0.020357594	0.016400849	5.11879E-06	15.22314548	1.43012E-05	0.000180216	0.000226859	0.001068717
2115 Jan	72.76343536	0.055196021	0.040146869	0.002071194	25.42611313	0.034533646	11.10664082	0.000988081	0.000988081	5.20606E-06	0.005290805	0.000983274	0.020357722	0.016401067	5.11883E-06	15.22333336	1.43013E-05	0.000180218	0.000226862	0.001068727
2115 Feb	72.76433563	0.055196743	0.040147282	0.002071213	25.42640305	0.034533978	11.10676003	0.000988092	0.000988092	5.20611E-06	0.005290862	0.000983287	0.020357909	0.016401349	5.11889E-06	15.22357559	1.43014E-05	0.000180221	0.000226866	0.00106874
2115 Mar	72.76708984	0.055198848	0.040148757	0.002071288	25.42734909	0.034535229	11.1071701	0.000988128	0.000988128	5.2063E-06	0.005291056	0.000983326	0.020358643	0.016402014	5.11907E-06	15.22418118	1.4302E-05	0.000180228	0.000226876	0.00106878

Appendix D.2-20: WES05

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2115 Apr	72.78495789	0.055212419	0.040158592	0.002071795	25.43358612	0.034543682	11.10989189	0.00098837	0.00098837	5.20758E-06	0.005292353	0.000983568	0.020363623	0.016406065	5.12033E-06	15.22793674	1.43055E-05	0.000180272	0.000226932	0.001069042
2115 May	72.8381958	0.055233736	0.040127348	0.00206991	25.43651009	0.03452637	11.11097908	0.000988344	0.000988344	5.20729E-06	0.005294956	0.000985214	0.020358063	0.016449004	5.1201E-06	15.26037216	1.432E-05	0.000180733	0.000227672	0.001069556
2115 Jun	72.9784317	0.055313937	0.040137589	0.002070262	25.46869278	0.034548894	11.12537956	0.000989489	0.000989489	5.21319E-06	0.005304324	0.000988097	0.020377826	0.016511789	5.12593E-06	15.31120396	1.43537E-05	0.000181425	0.000228687	0.001071324
2115 Jul	73.14015961	0.055400982	0.04020033	0.002073932	25.52488708	0.034631994	11.15393066	0.00099151	0.00099151	5.22409E-06	0.005315661	0.000990469	0.020432472	0.01654418	5.13657E-06	15.34211063	1.43831E-05	0.000181769	0.00022912	0.001073697
2115 Aug	73.11265564	0.055318408	0.040114433	0.00207071	25.51364136	0.034643985	11.15784454	0.000990755	0.000990755	5.22061E-06	0.005313003	0.000990591	0.020448577	0.016529154	5.133E-06	15.33152676	1.43669E-05	0.000181616	0.000228826	0.001073212
2115 Sep	73.12883759	0.055322822	0.040081996	0.002069758	25.51746559	0.034667902	11.16353703	0.000990789	0.000990789	5.22099E-06	0.005314699	0.00099107	0.020465376	0.016529011	5.13331E-06	15.33388805	1.43646E-05	0.000181653	0.000228754	0.001073357
2115 Oct	73.12784576	0.055339977	0.04005985	0.002068967	25.51626205	0.034673855	11.16523838	0.000990633	0.000990633	5.22028E-06	0.005315653	0.00099115	0.020470027	0.016526902	5.13257E-06	15.33302879	1.4365E-05	0.000181639	0.000228695	0.00107334
2115 Nov	73.09408569	0.05535407	0.0400162	0.002067249	25.50214386	0.034670115	11.16065311	0.000990167	0.000990167	5.21782E-06	0.00531566	0.00099091	0.02046361	0.016519705	5.13016E-06	15.32720852	1.43607E-05	0.000181571	0.000228535	0.001072925
2115 Dec	73.09385681	0.055357032	0.040014364	0.002067193	25.50187492	0.034670953	11.16062069	0.000990168	0.000990168	5.21782E-06	0.005315841	0.000990925	0.02046369	0.016519746	5.13016E-06	15.3272934	1.43608E-05	0.000181573	0.000228531	0.001072929
2116 Jan	73.09451294	0.055357747	0.040014599	0.002067206	25.50206757	0.034671236	11.16069794	0.000990176	0.000990176	5.21786E-06	0.005315893	0.000990936	0.020463813	0.016519971	5.1302E-06	15.32748795	1.43609E-05	0.000181575	0.000228534	0.001072938
2116 Feb	73.09616089	0.055359039	0.040015414	0.002067246	25.50261307	0.034671914	11.16092873	0.000990196	0.000990196	5.21797E-06	0.005316003	0.00099096	0.020464201	0.016520433	5.1303E-06	15.32789421	1.43612E-05	0.00018158	0.000228541	0.001072962
2116 Mar	73.09913635	0.055361312	0.04001699	0.002067326	25.50363541	0.034673266	11.16137218	0.000990235	0.000990235	5.21817E-06	0.005316214	0.000991001	0.020464994	0.016521154	5.13051E-06	15.32855034	1.43618E-05	0.000181588	0.000228551	0.001073006
2116 Apr	73.11586761	0.055374004	0.040026128	0.002067798	25.50946617	0.034681171	11.16392136	0.000990461	0.000990461	5.21937E-06	0.005317429	0.000991229	0.020469656	0.016524961	5.13168E-06	15.33207893	1.43651E-05	0.000181629	0.000228604	0.001073251
2116 May	73.16970825	0.055408366	0.04001404	0.002066943	25.51506042	0.034674384	11.16480637	0.000990754	0.000990754	5.22066E-06	0.005320964	0.000992746	0.020464944	0.016564244	5.13303E-06	15.36199093	1.43798E-05	0.00018205	0.000229253	0.001073891
2116 Jun	73.10335541	0.055247821	0.039784938	0.002055166	25.45077515	0.034533534	11.14287949	0.000987755	0.000987755	5.2049E-06	0.005314824	0.000994211	0.020414608	0.016614597	5.11752E-06	15.39332199	1.43884E-05	0.000182672	0.000230305	0.001072015
2116 Jul	73.27043915	0.055338737	0.03985022	0.002059005	25.50673866	0.034611579	11.17083836	0.000989931	0.000989931	5.21655E-06	0.005328313	0.000996612	0.020470621	0.016648002	5.12892E-06	15.42547798	1.4428E-05	0.000183088	0.000230758	0.001074368
2116 Aug	73.41929626	0.055436134	0.03991187	0.002062462	25.5585537	0.034686722	11.19611168	0.000991766	0.000991766	5.22639E-06	0.005338683	0.000998701	0.020519471	0.01667846	5.13854E-06	15.45499325	1.44542E-05	0.000183435	0.000231164	0.001076477
2116 Sep	73.3731842	0.055434134	0.039817739	0.002058717	25.54020309	0.034686163	11.19544411	0.000990678	0.000990678	5.22106E-06	0.005337572	0.00099837	0.020524705	0.01666081	5.13317E-06	15.44251823	1.44436E-05	0.000183281	0.000230825	0.001075728
2116 Oct	73.28462219	0.055473641	0.039701305	0.002054152	25.50326157	0.03467752	11.18373585	0.000989442	0.000989442	5.21456E-06	0.005337704	0.000997741	0.020508682	0.01664136	5.12678E-06	15.42693424	1.44321E-05	0.000183098	0.000230392	0.001074641
2116 Nov	73.28287506	0.055491216	0.039691474	0.002053867	25.50149727	0.0346823	11.18327522	0.000989456	0.000989456	5.2146E-06	0.005338773	0.000997821	0.020508599	0.016641755	5.12683E-06	15.4275074	1.44329E-05	0.000183106	0.000230369	0.001074665
2116 Dec	73.28330994	0.055491906	0.039691601	0.002053877	25.50162506	0.034682605	11.18332863	0.000989464	0.000989464	5.21464E-06	0.005338829	0.000997829	0.020508707	0.016641881	5.12687E-06	15.4276247	1.4433E-05	0.000183107	0.000230371	0.001074672
2117 Jan	73.2835083	0.0554922	0.039691631	0.002053879	25.50167274	0.034682687	11.18334579	0.000989466	0.000989466	5.21465E-06	0.005338846	0.000997834	0.020508725	0.016641978	5.12688E-06	15.42770386	1.44331E-05	0.000183108	0.000230372	0.001074675
2117 Feb	73.2837677	0.055492427	0.039691716	0.002053882	25.50174522	0.034682743	11.18337154	0.000989468	0.000989468	5.21466E-06	0.005338859	0.000997838	0.020508751	0.016642092	5.12689E-06	15.42779732	1.44331E-05	0.00018311	0.000230374	0.001074679
2117 Mar	73.28747559	0.05549524	0.039693687	0.002053983	25.50302315	0.034684457	11.18392944	0.000989517	0.000989517	5.21492E-06	0.005339125	0.000997889	0.020509761	0.016642962	5.12714E-06	15.4285965	1.44338E-05	0.000183119	0.000230386	0.001074733
2117 Apr	73.30918884	0.055511694	0.039705437	0.002054591	25.51057434	0.034694716	11.18723965	0.00098981	0.00098981	5.21646E-06	0.005340705	0.000998185	0.020515826	0.016647913	5.12866E-06	15.43317986	1.44381E-05	0.000183173	0.000230455	0.001075051
2117 May	73.37636566	0.055551	0.039703336	0.002054295	25.523592	0.034698479	11.19261169	0.000990246	0.000990246	5.21864E-06	0.00534481	0.000999712	0.020520596	0.016683871	5.13084E-06	15.46155262	1.44541E-05	0.000183561	0.000231048	0.001075868
2117 Jun	73.45978546	0.055568062	0.039652728	0.00205157	25.52965546	0.034678176	11.19671726	0.000990336	0.000990336	5.219E-06	0.005350166	0.001002182	0.020520728	0.016742781	5.13122E-06	15.50668144	1.44811E-05	0.000184228	0.000232058	0.001076665
2117 Jul	73.6198349	0.055660293	0.039718252	0.002055356	25.58449554	0.034759153	11.22375202	0.000992418	0.000992418	5.23013E-06	0.005361976	0.001004539	0.020572688	0.01677629	5.14212E-06	15.53832436	1.45123E-05	0.000184595	0.000232505	0.001079019
2117 Aug	73.72071075	0.055708691	0.03974399	0.002057126	25.61952782	0.034814753	11.24313927	0.000993546	0.000993546	5.23634E-06	0.005368668	0.001006054	0.020611558	0.016794447	5.14814E-06	15.55672741	1.45278E-05	0.000184799	0.000232733	0.001080432
2117 Sep	73.76777649	0.055745408	0.039741855	0.002057395	25.63574791	0.034842934	11.25376511	0.000993908	0.000993908	5.23848E-06	0.005372226	0.001006753	0.020633619	0.016800754	5.15018E-06	15.5643816	1.45354E-05	0.000184885	0.000232797	0.001081043
2117 Oct	73.73162842	0.055765416	0.03968367	0.002055124	25.62069893	0.034841448	11.25041485	0.000993289	0.000993289	5.23532E-06	0.005372436	0.001006508	0.020630436	0.016790971	5.14703E-06	15.55701828	1.45306E-05	0.000184795	0.000232587	0.001080575
2117 Nov	73.72161102	0.055771574	0.039666962	0.002054475	25.61649513	0.034841243	11.24952507	0.000993114	0.000993114	5.23443E-06	0.005372531	0.001006443	0.020629669	0.016788222	5.14615E-06	15.55497074	1.45293E-05	0.00018477	0.000232527	0.001080445
2117 Dec	73.72239685	0.055773076	0.039666664	0.002054473	25.61672401	0.034841914	11.24968529	0.000993122	0.000993122	5.23447E-06	0.005372643	0.001006458	0.020630015	0.016788375	5.1462E-06	15.55514526	1.45295E-05	0.000184772	0.000232528	0.001080458
2118 Jan	73.72288513	0.055773638	0.039666813	0.002054481	25.61685944	0.034842115	11.24973869	0.000993128	0.000993128	5.2345E-06	0.005372682	0.001006467	0.020630095	0.016788557	5.14622E-06	15.55529785	1.45296E-05	0.000184774	0.00023253	0.001080466
2118 Feb	73.72358704	0.055774204	0.039667115	0.002054495	25.61707687	0.034842353	11.24982738	0.000993136	0.000993136	5.23454E-06	0.005372724	0.001006478	0.020630226	0.016788794	5.14626E-06	15.55550003	1.45297E-05	0.000184776	0.000232534	0.001080475
2118 Mar	73.72553253	0.055775702	0.03966812	0.002054546	25.61773682	0.034843221	11.25011349	0.000993161	0.000993161	5.23468E-06	0.005372861	0.001006506	0.020630734	0.016789282	5.14639E-06	15.55593967	1.45301E-05	0.000184781	0.000232541	0.001080504
2118 Apr	73.74469757	0.055790916	0.039675314	0.002054851	25.6235199	0.034848846	11.25250149	0.000993344	0.000993344	5.23563E-06	0.005373896	0.001006821	0.020634027	0.016796213	5.14733E-06	15.56173801	1.45332E-05	0.000184851	0.000232651	0.001080766
2118 May	73.79987335	0.055807393	0.039607365	0.002050741	25.61583138	0.034800589	11.24775696	0.000992827	0.000992827	5.23258E-06	0.005375396	0.001009163	0.020610854	0.016864251	5.14444E-06	15.61147213	1.45496E-05	0.000185566	0.000233851	0.001081139
2118 Jun	73.77394104	0.055691894	0.03942813	0.002041299	25.57349014	0.034690466	11.23527908	0.000990414	0.000990414	5.22005E-06	0.005370425	0.001010713	0.020577079	0.016913323	5.13206E-06	15.64400101	1.4558E-05	0.000186141	0.000234865	0.001079919
2118 Jul	73.96941376	0.055818744	0.039517809	0.002046232	25.6402359	0.034784399	11.26662159	0.000993004	0.000993004	5.2338E-06	0.005385192	0.001013499	0.020636832	0.016955838	5.14555E-06	15.68386364	1.45986E-05	0.000186623	0.000235445	0.001082761
2118 Aug	74.00810242	0.055804938	0.039484423	0.002045369	25.65310478	0.034819912	11.27921581	0.000993138	0.000993138	5.23494E-06	0.005387154	0.001014297	0.020667322	0.016956277	5.14654E-06	15.68757153	1.45974E-05	0.000186655	0.000235391	0.001083183
2118 Sep	73.89817047	0.055777133	0.039336491	0.00203933	25.61074257	0.034802694	11.26908016	0.000991257	0.000991257	5.2254E-06	0.005383177	0.001013299	0.020658249	0.016924072	5.13704E-06	15.66258621	1.45738E-05	0.000186357	0.000234787	0.001081555
2118 Oct	73.7990036	0.055793058	0.039218225	0.002034532	25.57156563	0.034785327	11.25687599	0.000989787	0.000989787	5.21776E-06	0.005381465	0.00101241	0.020641061	0.01689985	5.1295E-06	15.64290524	1.45589E-05	0.00018612	0.000234309	0.001080254
2118 Nov	73.7791748	0.055801135	0.039191987	0.0020335	25.56344604	0.034783345	11.25444031	0.000989499	0.000989499	5.21626E-06	0.005381429	0.001012258	0.020637847	0.016895127	5.12801E-06	15.63916206	1.45562E-05	0.000186075	0.000234208	0.001080006
2118 Dec	73.78055573	0.055802695	0.039192528	0.002033534	25.56389618	0.034784146	11.25463963	0.000989519	0.000989519	5.21637E-06	0.005381562	0.00101228	0.020638231	0.016895473	5.12812E-06	15.63948536	1.45565E-05	0.000186079	0.000234212	0.001080027
2119 Jan	73.78117371	0.055803329	0.03919277	0.002033546	25.5640831	0.034784421	11.25471783	0.000989527	0.000989527	5.21641E-06	0.005381611	0.001012291	0.02063836	0.016895674	5.12816E-06	15.63965893	1.45566E-05	0.000186081	0.000234215	0.001080037
2119 Feb	73.78218842	0.05580413	0.039193243	0.002033569	25.56441498	0.03478482	11.25485706	0.000989539	0.000989539	5.21647E-06	0.005381678	0.001012306	0.020638589	0.01689597	5.12822E-06	15.63991833	1.45568E-05	0.000186084	0.000234219	0.001080051
2119 Mar	73.78873444	0.055809092	0.039196685	0.002033747	25.56666946	0.034787863	11.25584602	0.000989626	0.000989626	5.21693E-06	0.005382151	0.001012396	0.02064039	0.016897503	5.12867E-06	15.64132786	1.45581E-05	0.000186101	0.000234241	0.001080147
2119 Apr	73.83868408	0.055850074	0.039210562	0.00203418	25.58030319	0.034797065	11.26116371	0.000989983	0.000989983	5.21877E-06	0.005384285	0.001013305	0.020645572	0.016919725	5.13049E-06	15.65927601	1.45653E-05	0.000186318	0.000234608	0.0010808
2119 May	73.94868469	0.055912491	0.039111711	0.002027232	25.57654572	0.034710873	11.25650406	0.000988706	0.000988706	5.21165E-06	0.005382641	0.001017305	0.02060313	0.017044334	5.12362E-06	15.75067043	1.45801E-05	0.000187539	0.00023686	0.00108158
2119 Jun	73.96868134	0.05586271	0.039045554	0.002024068	25.57189941	0.034684934	11.26019859	0.000988085	0.000988085	5.2087E-06	0.005383432	0.001018206	0.020610118	0.017060777	5.12061E-06	15.76324749	1.4593E-05	0.000187774	0.000237204	0.001081452
2119 Jul	74.14613342	0.05596884	0.039119687	0.002028293	25.63153839	0.034768276	11.2891016	0.000990415	0.000990415	5.22111E-06	0.005397447	0.00102076	0.020666806	0.017098187	5.13277E-06	15.79870796	1.46332E-05	0.000188222	0.000237713	0.001083984
2119 Aug	74.25547791	0.056018993	0.039134976	0.002029737	25.66920662	0.034832273	11.31123066	0.000991533	0.000991533	5.22738E-06	0.005404588	0.00102243	0.020713354	0.017116085	5.13882E-06	15.81812859	1.46476E-05	0.000188448	0.000237918	0.001085436
2119 Sep	74.21060944	0.056000143	0.039054487	0.002026584	25.65145874	0.034833353	11.30911636	0.000990655	0.000990655	5.22303E-06	0.005403004	0.001022123	0.020716719	0.01710007	5.13446E-06	15.80672932	1.46348E-05	0.000188315	0.000237598	0.001084712
2119 Oct	74.15053558	0.056009445	0.038976971	0.002023442	25.62806702	0.03482363	11.30287266	0.000989678	0.000989678	5.21802E-06	0.005401885	0.001021566	0.020708876	0.017083643	5.12949E-06	15.79372597	1.46255E-05	0.000188155	0.000237283	0.001083899
2119 Nov	74.1227417	0.056012474	0.038944446	0.002022116	25.61724854	0.034818482	11.2995472	0.000989262	0.000989262	5.21586E-06	0.005401312	0.001021305	0.020704215	0.017076608	5.12736E-06	15.78801346	1.46212E-05	0.000188085	0.000237147	0.00108353
2119 Dec	74.12415314	0.05601396	0.03894506	0.002022152	25.61770821	0.03481926	11.29974651	0.000989282	0.000989282	5.21597E-06	0.005401442	0.001021327	0.020704594	0.017076962	5.12746E-06	15.78834057	1.46215E-05	0.000188089	0.000237151	0.001083552

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	3.0E-04	7.9E-09	2.6E-03	6.4E-03	1.6E-04	2.3E-07	9.9E-03	2.0E-06	1.1E-05	7.5E-07	1.8E-07	1.0E-07	2.5E-04	1.6E-09	7.9E-08	1.7E-06	1.2E-06	8.6E-04
Operations (2020-2043): Mean	6.5E-02	2.3E-05	3.7E+00	1.1E+01	9.8E-02	1.2E-03	1.4E+02	1.3E-02	6.6E-03	9.3E-05	1.7E-03	6.5E-04	3.5E-01	1.6E-06	5.1E-04	1.0E-03	2.0E-03	4.2E-03
Operations (2020-2043): Max	1.3E-01	3.3E-05	5.4E+00	1.8E+01	1.4E-01	0.00186	2.3E+02	2.1E-02	8.4E-03	4.6E-04	2.7E-03	1.0E-03	5.3E-01	2.0E-06	8.0E-04	1.4E-03	2.7E-03	6.3E-03
Active Closure (2044-2050): Min	1.9E-02	2.4E-06	1.0E+00	1.8E+00	9.7E-03	1.4E-04	9.8E+00	1.3E-03	4.6E-03	4.9E-05	1.4E-04	7.9E-05	5.1E-02	1.8E-06	4.7E-05	1.4E-04	9.3E-04	2.4E-04
Active Closure (2044-2050): Mean	2.6E-02	4.4E-06	1.3E+00	2.8E+00	2.0E-02	2.5E-04	2.1E+01	2.4E-03	4.9E-03	6.8E-05	2.9E-04	1.4E-04	8.2E-02	2.0E-06	9.2E-05	2.5E-04	1.1E-03	5.9E-04
Active Closure (2044-2050): Max	9.8E-02	2.3E-05	3.7E+00	1.1E+01	1.1E-01	1.1E-03	1.2E+02	1.2E-02	7.7E-03	2.6E-04	1.6E-03	6.2E-04	3.5E-01	2.0E-06	4.8E-04	1.2E-03	2.2E-03	3.6E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	2.0E-02	2.4E-06	1.0E+00	1.8E+00	9.7E-03	1.5E-04	9.5E+00	1.3E-03	4.6E-03	4.9E-05	1.4E-04	7.9E-05	5.1E-02	2.0E-06	4.7E-05	1.4E-04	9.3E-04	2.4E-04
Post Closure (2051-2119): Mean	5.4E-02	4.9E-06	1.2E+00	2.3E+00	2.3E-02	2.0E-04	9.7E+00	1.6E-03	6.3E-03	1.5E-04	1.9E-04	9.6E-05	7.5E-02	2.0E-06	6.5E-05	3.2E-04	1.2E-03	2.8E-04
Post Closure (2051-2119): Max	8.3E-02	6.9E-06	1.4E+00	2.8E+00	3.6E-02	2.6E-04	9.9E+00	1.9E-03	7.6E-03	2.4E-04	2.3E-04	1.1E-04	9.6E-02	2.0E-06	8.1E-05	4.7E-04	1.3E-03	3.1E-04
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2119)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040 Jan	0.000299612	7.88453E-09	0.002633432	0.006370699	0.000161633	2.32594E-07	0.009895083	2.04998E-06	1.10383E-05	7.53761E-07	1.81344E-07	1.02499E-07	0.000245209	1.57691E-09	7.88453E-08	1.65575E-06	1.22221E-06	0
2040 Feb	0.001457359	3.83516E-08	0.012809417	0.030988052	0.000786207	1.13137E-06	0.048131194	9.9714E-06	5.36922E-05	3.66641E-06	8.82086E-07	4.9857E-07	0.001192733	7.67031E-09	3.83515E-07	8.05382E-06	5.94449E-06	0
2040 Mar	0.00277539	7.30366E-08	0.02439422	0.059013564	0.00149725	2.15458E-06	0.091660924	1.89895E-05	0.000102251	6.9823E-06	1.67984E-06	9.49476E-07	0.002271438	1.46073E-08	7.30366E-07	1.53377E-05	1.13207E-05	0
2040 Apr	0.003894417	1.02485E-07	0.034229878	0.082807608	0.002100935	3.0233E-06	0.128618255	2.6646E-05	0.000143479	9.79753E-06	2.35715E-06	1.3323E-06	0.003187273	2.04969E-08	1.02485E-06	2.15218E-05	1.58851E-05	0
2040 May	0.065067679	6.57235E-06	1.255288959	3.614477158	0.049735855	0.000281221	33.65166855	0.003263378	0.003305311	0.00025977	0.000438548	0.00017462	0.11851915	6.6303E-07	0.000126101	0.000547206	0.000765001	0.000863006
2040 Jun	0.088189572	2.49865E-05	4.102304935	12.89283371	0.123616934	0.0011936	157.2936401	0.014347667	0.006826933	0.000249666	0.001982724	0.000727737	0.394796848	1.80557E-06	0.000553016	0.001400555	0.00254919	0.004228286
2040 Jul	0.059623595	2.8106E-05	4.470791817	14.40359116	0.123085946	0.001392739	185.7515259	0.016727334	0.006103581	9.12913E-05	0.002304801	0.000839769	0.433477223	1.82282E-06	0.00064444	0.001366191	0.002657789	0.005031974
2040 Aug	0.050275344	3.10681E-05	5.088849068	16.67957306	0.13896206	0.001663752	217.8487701	0.019437332	0.00530887	6.06993E-05	0.002628268	0.000977875	0.500010252	1.75135E-06	0.000748268	0.001418531	0.002547512	0.005911465
2040 Sep	0.048583347	2.9353E-05	4.826169968	15.65557575	0.128416702	0.00165592	202.8533936	0.018112697	0.005649956	3.2835E-05	0.002415578	0.000911243	0.471766233	1.72459E-06	0.000704431	0.001286768	0.002307712	0.005492492
2040 Oct	0.057542782	2.62805E-05	4.248904228	13.50921059	0.109502472	0.001506732	171.6148834	0.015413667	0.006865648	2.82774E-05	0.002034882	0.000772504	0.410041511	1.76359E-06	0.000610015	0.001122861	0.002103069	0.004626765
2040 Nov	0.058516946	2.59607E-05	4.187227249	13.27587032	0.107469454	0.001489922	168.2201538	0.015121597	0.006992946	2.79646E-05	0.001993722	0.000757565	0.403364778	1.77068E-06	0.000599667	0.001104767	0.002083234	0.004532636
2040 Dec	0.058662038	2.59034E-05	4.176133156	13.23393154	0.107109874	0.001486667	167.6167755	0.015069711	0.007011309	2.79344E-05	0.001986451	0.000754926	0.402163833	1.77183E-06	0.000597791	0.001101452	0.002079798	0.004515933
2041 Jan	0.058996495	2.58684E-05	4.171348572	13.21412468	0.107065335	0.001484425	167.2608337	0.015039854	0.007023967	2.8741E-05	0.001982262	0.000753417	0.401646018	1.77242E-06	0.00059667	0.001101124	0.002078066	0.004505884
2041 Feb	0.059382543	2.58505E-05	4.170527935	13.2085371	0.107186809	0.001483066	167.0828857	0.015025613	0.007032595	2.98502E-05	0.00198025	0.000752703	0.401554376	1.77276E-06	0.000596101	0.001102363	0.002077521	0.004500687
2041 Mar	0.059611835	2.58492E-05	4.171435833	13.20978642	0.10728769	0.001482807	167.040329	0.015022743	0.007039571	3.04634E-05	0.001979798	0.000752559	0.401634872	1.77353E-06	0.000595985	0.001103396	0.002077899	0.00449932
2041 Apr	0.059798047	2.58725E-05	4.175841808	13.22281265	0.107445188	0.001484042	167.171814	0.015035113	0.007050109	3.08411E-05	0.001981387	0.000753178	0.402055174	1.77562E-06	0.000596475	0.001105012	0.002080051	0.004502736
2041 May	0.067806348	2.58268E-05	4.216372013	13.32136917	0.112257332	0.001463328	166.5019684	0.015006869	0.007150684	8.01971E-05	0.001981867	0.000754179	0.406274348	1.78449E-06	0.000593793	0.001160088	0.002115956	0.004478877
2041 Jun	0.064650007	2.19136E-05	3.297777176	10.135355	0.088263951	0.000992478	126.6325836	0.0116284	0.00684105	9.09387E-05	0.001626725	0.000581704	0.309297174	1.80945E-06	0.000452905	0.001081825	0.002407079	0.003408966
2041 Jul	0.069254391	2.6806E-05	4.138165951	13.07562828	0.108425893	0.001304342	166.6995087	0.015071455	0.006923282	8.21528E-05	0.002022773	0.000756065	0.395808607	1.96641E-06	0.0005839	0.001106409	0.002319687	0.004497287
2041 Aug	0.050883632	3.25286E-05	5.342886925	17.51952553	0.14442578	0.001773048	229.0348053	0.020405047	0.005421482	5.11863E-05	0.002735257	0.00102712	0.525359154	1.81565E-06	0.000786234	0.001423524	0.002528311	0.006213243
2041 Sep	0.047320746	3.23884E-05	5.392449379	17.70292091	0.144988939	0.00185656	230.9489441	0.020544894	0.005565188	3.02091E-05	0.002744244	0.001033254	0.531350315	1.74992E-06	0.000797672	0.001445183	0.002474992	0.006263175
2041 Oct	0.064904325	2.59443E-05	4.163525581	13.10669136	0.10526818	0.001512469	164.4910431	0.014817732	0.007857789	2.57178E-05	0.001943043	0.000740334	0.399305522	1.85005E-06	0.000593744	0.001097457	0.00208453	0.004423155
2041 Nov	0.06630452	2.50676E-05	3.998720169	12.4994297	0.100119151	0.001461869	155.9091492	0.014075861	0.008035314	2.52793E-05	0.001840041	0.000702717	0.381770611	1.85341E-06	0.000566506	0.001049191	0.002029458	0.004186413
2041 Dec	0.066519625	2.49736E-05	3.980527163	12.43080521	0.099534608	0.001456381	154.9269104	0.013991375	0.008062127	2.52457E-05	0.001828237	0.000698431	0.379803777	1.85511E-06	0.000563427	0.001043734	0.002023875	0.004159243
2042 Jan	0.06703826	2.49201E-05	3.973426819	12.40131187	0.099487148	0.00145285	154.3907928	0.013946472	0.008079434	2.65637E-05	0.001821956	0.000696167	0.379037827	1.85585E-06	0.00056172	0.001043392	0.002021282	0.004144101
2042 Feb	0.067645729	2.48918E-05	3.972293377	12.39323521	0.099693753	0.001450642	154.1197968	0.01392483	0.008091084	2.83637E-05	0.001818917	0.000695087	0.378914952	1.85617E-06	0.000560839	0.001045462	0.002020417	0.004136175
2042 Mar	0.067999519	2.4885E-05	3.973043919	12.39310646	0.099840477	0.001449941	154.0254059	0.013917849	0.008100208	2.93528E-05	0.001817889	0.000694739	0.37897855	1.85699E-06	0.000560553	0.001046948	0.002020642	0.004133286
2042 Apr	0.068444893	2.49703E-05	3.987714291	12.4374609	0.100281991	0.001454738	154.5237579	0.013963764	0.008134445	3.00217E-05	0.00182382	0.000697031	0.380373329	1.86411E-06	0.000562399	0.001051548	0.002028013	0.004146457
2042 May	0.09184099	2.40084E-05	3.951172829	12.16455364	0.10972403	0.001339617	144.9347992	0.013219523	0.008420764	0.000174255	0.001735014	0.000666892	0.376381189	1.8823E-06	0.000529028	0.001165517	0.002082355	0.003867508
2042 Jun	0.074294418	2.18116E-05	3.306519747	10.0655508	0.090736747	0.000978614	123.28479	0.011376494	0.00729526	0.000131551	0.001589625	0.000570655	0.309058905	1.86488E-06	0.000444009	0.001112461	0.00243013	0.003308534
2042 Jul	0.064596809	2.46222E-05	3.787529469	11.93647099	0.099165723	0.001189371	151.9493256	0.013754658	0.006484253	7.69063E-05	0.001849844	0.000689827	0.361565232	1.83085E-06	0.000533071	0.001022969	0.002163972	0.004098293
2042 Aug	0.055088192	2.322E-05	3.626258373	11.02828312	0.089542747	0.001266076	137.7867584	0.012528704	0.006459181	2.5458E-05	0.001627701	0.000633017	0.340270221	1.85525E-06	0.000492857	0.000866823	0.001915324	0.00369444
2042 Sep	0.058594462	2.48463E-05	3.96553278	12.3742218	0.099865325	0.001419761	155.5460815	0.014040208	0.007054123	2.35496E-05	0.001837277	0.000704654	0.378268063	1.8129E-06	0.000557889	0.001012015	0.002005419	0.00418143
2042 Oct	0.064036854	2.4861E-05	3.978650093	12.48034477	0.100075826	0.00145148	156.1224976	0.014079218	0.007767478	2.45093E-05	0.001843105	0.000703104	0.380719334	1.8056E-06	0.000565592	0.001046696	0.002004633	0.004195009
2042 Nov	0.064591169	2.46579E-05	3.938844919	12.32880402	0.098779581	0.001439684	153.9373016	0.01389164	0.007836389	2.4454E-05	0.001816824	0.000693572	0.376388341	1.81066E-06	0.000558803	0.001034749	0.001992899	0.004134484
2042 Dec	0.064708591	2.46099E-05	3.929505587	12.29341698	0.09847784	0.001436878	153.4294434	0.013848001	0.007850978	2.44389E-05	0.001810719	0.000691358	0.375375569	1.81167E-06	0.000557215	0.001031937	0.001990085	0.004120429
2043 Jan	0.064981483	2.45818E-05	3.925759315	12.27784348	0.098451868	0.00143502	153.146698	0.013824319	0.007860184	2.51299E-05	0.001807406	0.000690163	0.374970943	1.81208E-06	0.000556315	0.001031747	0.001988728	0.004112442
2043 Feb	0.065301344	2.45674E-05	3.925221443	12.27376652	0.09856113	0.001433886	153.0065002	0.01381315	0.007866511	2.60727E-05	0.001805834	0.000689606	0.374911427	1.8123E-06	0.000555861	0.001032843	0.001988312	0.004108337
2043 Mar	0.065482631	2.45621E-05	3.925341606	12.27283573	0.098631091	0.001433419	152.946167	0.013808515	0.007870789	2.65895E-05	0.001805168	0.000689375	0.37491852	1.81261E-06	0.000555672	0.00103355	0.001988295	0.004106531
2043 Apr	0.065742657	2.46179E-05	3.934802532	12.30167103	0.098906972	0.001436582	153.2777557	0.013838913	0.007892061	2.69478E-05	0.001809107	0.000690892	0.375819623	1.81712E-06	0.000556894	0.001036426	0.001993042	0.004115328
2043 May	0.082409807	2.40312E-05	3.922258854	12.14928818	0.105806798	0.001361029	145.2526703	0.013360639	0.008129454	0.000127606	0.001752333	0.000671884	0.374225885	1.83783E-06	0.000535306	0.001119209	0.002038094	0.003932438
2043 Jun	0.132975429	1.96896E-05	3.386261225	9.974388123	0.115533404	0.000882689	95.23304749	0.009984235	0.008434146	0.00046013	0.00135922	0.000518274	0.318133652	1.84686E-06	0.000389575	0.001312424	0.002204132	0.002770157
2043 Jul	0.117541686	2.11758E-05	3.559962749	10.71492577	0.115232266	0.000974119	107.1834335	0.01117734	0.007950055	0.000380426	0.001524264	0.000574493	0.336758882	1.83775E-06	0.000434721	0.00129801	0.002262208	0.003176017
2043 Aug	0.109526858	2.22611E-05	3.728193998	11.35709381	0.117365673	0.001057724	116.1909714	0.012067887	0.007657601	0.000340737	0.001638862	0.000618098	0.35449639	1.83202E-06	0.000468862	0.001299258	0.002274965	0.00347115
2043 Sep	0.101977386	2.30744E-05	3.855280638	11.85203457	0.118526377	0.001129004	123.2993011	0.012767412	0.007394304	0.000303394	0.001727632	0.00065214	0.36803925	1.81779E-06	0.000496076	0.001294073	0.002272642	0.003705489
2043 Oct	0.098932177	2.28997E-05	3.80283308	11.67618942	0.11481443	0.001139353	121.6753922	0.012604097	0.00749258	0.000277155	0.001698791	0.000642407	0.362438917	1.81707E-06	0.000492051	0.001252275	0.002225929	0.00366015
2043 Nov	0.097329609	2.24954E-05	3.711847305	11.35007191	0.110469684	0.001130271	118.0220413	0.012241311	0.00763201	0.00025842	0.001643906	0.000622988	0.352680594	1.82029E-06	0.000480154	0.001206519	0.00217581	0.003548782
2043 Dec	0.097332664	2.24897E-05	3.710613728	11.34540176	0.110419713	0.001130027	117.9654465	0.012235744	0.007634519	0.000258302	0.001643095	0.000622698	0.352545291	1.82048E-06	0.000479962	0.001206025	0.002175331	0.003547009
2044 Jan	0.097357981	2.24872E-05	3.710275173	11.34395409	0.110415384	0.001129895	117.9421844	0.012233522	0.007635717	0.000258332	0.00164277	0.000622584	0.352507979	1.82054E-06	0.000479881	0.001205978	0.002175159	0.003546259
2044 Feb	0.097397305	2.24871E-05	3.710455894	11.34425449	0.110433258	0.001129864	117.9368668	0.012233123	0.007636933	0.00025843	0.001642703	0.000622563	0.3525244	1.82067E-06	0.000479866	0.001206157	0.002175216	0.003546055
2044 Mar	0.097427607	2.24891E-05	3.71089673	11.34546566	0.110453144	0.001129952	117.9448776	0.012234037	0.007638296	0.000258507	0.001642818	0.000622609	0.352565855	1.82091E-06	0.000479901	0.001206365	0.002175448	0.003546271
2044 Apr	0.097467832	2.24956E-05	3.712032795	11.34886265	0.11049071	0.001130272	117.9776382	0.012237482	0.007640888	0.000258612	0.001643276	0.000622785	0.35267359	1.82148E-06	0.000480036	0.001206771	0.0021761	0.003547243
2044 May	0.097858727	2.25431E-05	3.721138239	11.37623692	0.110841066	0.001132444	118.1844559	0.012263735	0.007659825	0.000260256	0.001646825	0.000624175	0.353551298	1.82548E-06	0.000481041	0.001210553	0.002181196	0.003554527
2044 Jun	0.072056673	1.58716E-05	2.752806664	7.966631889	0.075721711	0.000770153	78.36810303	0.008478047	0.006666502	0.000189783	0.001138762	0.000434173	0.246089563	1.86693E-06	0.000330207	0.000868256	0.001831898	0.002404538
2044 Jul	0.043887373	9.06569E-06	1.874039888	4.841890812	0.042113688	0.000454744	44.7767601	0.004951457	0.005550151	0.000117612	0.000643775	0.000258823	0.146589369	1.92993E-06	0.000189805	0.000503869	0.001375682	0.001341285
2044 Aug	0.031522792	5.77168E-06	1.473511934	3.374053001	0.026677364	0.000306662	28.98781776	0.003211555	0.005021066	8.35899E-05	0.000401452	0.000174082	0.10070537	1.96451E-06	0.000121841	0.000329817	0.001151747	0.000821597
2044 Sep	0.026153518	4.59435E-06	1.354034781	2.885891438	0.021081403	0.000258905	23.56029892	0.002591051	0.004822243	6.66171E-05	0.000317697	0.000145019	0.085781977	1.96903E-06	9.85405E-05	0.000262185	0.001065668	0.000645495
2044 Oct	0.02458092	4.2028E-06	1.317780733	2.720048666	0.019155931	0.000243007	21.70032501	0.002377405	0.00481024	6.33368E-05	0.00028875	0.000134901	0.080701753	1.97086E-06	9.0557E-05	0.00023998	0.001037314	0.000584137
2044 Nov	0.024647491	4.21995E-06	1.319522262	2.726181984	0.019205304	0.000244012	21.7569828	0.002384529	0.004816268	6.32907E-05	0.000289647	0.000135233	0.080901936	1.9709E-06	9.08753E-05	0.000240507	0.001038059	0.000586237
2044 Dec	0.024649713	4.22018E-06	1.319543242	2.726212263	0.019205434	0.000244025	21.75696945	0.002384541	0.004816529	6.32908E-05	0.000289646	0.000135233	0.080903351	1.97094E-06	9.08769E-05	0.000240511	0.001038081	0.000586234
2045 Jan	0.024652172	4.22026E-06	1.319552422	2.726233006	0.019206328	0.000244028	21.7567749	0.002384531	0.004816636	6.32952E-05	0.000289643	0.000135232	0.080904514	1.97094E-06	9.0877E-05	0.00024052	0.001038085	0.000586226
2045 Feb	0.024654714	4.2203E-06	1.319567323	2.726272345	0.019207662	0.000244029	21.75671959	0.002384533	0.004816703	6.33016E-05	0.000289643	0.000135232	0.08090619	1.97094E-06	9.08771E-05	0.000240534	0.001038089	0.000586222
2045 Mar	0.024657072	4.22049E-06	1.319627643	2.726401329	0.019209145	0.000244038	21.75754738	0.002384629	0.004816929	6.33075E-05	0.000289654	0.000135238	0.080910295	1.97102E-06	9.08807E-05	0.00024055	0.001038132	0.000586243
2045 Apr	0.024661358	4.2211E-06	1.319819212	2.726800203	0.019212283	0.000244073	21.7606144	0.002384968	0.004817633	6.33185E-05	0.000289695	0.000135257	0.080922283	1.9713E-06	9.08936E-05	0.000240589	0.00103828	0.000586325
2045 May	0.024684362	4.22498E-06	1.321033359	2.729309559	0.019230105	0.000244297	21.78058624	0.002387158	0.004822068	6.33777E-05	0.000289961	0.000135381	0.080996819	1.97311E-06	9.09771E-05	0.000240811	0.001039235	0.000586863
2045 Jun	0.025220312	4.38269E-06	1.32129252	2.746187687	0.019441802	0.000245824	21.732481	0.002431186	0.004857225	6.31983E-05	0.000297722	0.000136948	0.081524223	1.9693E-06	9.26068E-05	0.000247974	0.001058301	0.000598133
2045 Jul	0.024375029	4.1165E-06	1.274249911	2.596162796	0.017962305	0.00023046	20.04609299	0.002282588	0.004826572	6.17521E-05	0.000276134	0.00012898	0.076626949	1.97358E-06	8.63308E-05	0.000234514	0.001043556	0.000549639
2045 Aug	0.022628916	3.6335E-06	1.216544747	2.390731573	0.015852613	0.00020939	17.86460495	0.002038879	0.004733922	5.70818E-05	0.000241572	0.000117147	0.070163734	1.98081E-06	7.67069E-05	0.000209946	0.001009974	0.00047637
2045 Sep	0.021189582	3.295E-06	1.186779261	2.261496782	0.014401516	0.000196034	16.4195118	0.00186495	0.004675967	5.28806E-05	0.000218396	0.000109212	0.066262946	1.9828E-06	7.02308E-05	0.000191691	0.000985745	0.000427677
2045 Oct	0.020596156	3.13304E-06	1.174171209	2.197876215	0.013688145	0.000189299	15.7263298	0.001779227	0.004672184	5.22352E-05	0.000206931	0.000105244	0.064324565	1.9844E-06	6.69968E-05	0.000183283	0.000974878	0.00040316
2045 Nov	0.020599848	3.13354E-06	1.174317598	2.198145628	0.013689796	0.000189329	15.72812557	0.001779438	0.004672872	5.22412E-05	0.000206954	0.000105256	0.064332776	1.98465E-06	6.70055E-05	0.000183306	0.000975002	0.000403204
2045 Dec	0.020601008	3.13368E-06	1.174348712	2.198201656	0.013690129	0.000189337	15.72845364	0.00177948	0.004673054	5.22423E-05	0.000206958	0.000105258	0.064334586	1.9847E-06	6.70075E-05	0.000183311	0.000975029	0.000403212
2046 Jan	0.020601928	3.13373E-06	1.174357653	2.198220491	0.013690509	0.000189339	15.72848701	0.001779487	0.00467311	5.2244E-05	0.000206959	0.000105259	0.064335324	1.98471E-06	6.70079E-05	0.000183315	0.000975035	0.000403212

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.020602886	3.13376E-06	1.174369097	2.198246241	0.013691033	0.00018934	15.72856522	0.001779499	0.004673158	5.22464E-05	0.00020696	0.000105259	0.064336255	1.98472E-06	6.70083E-05	0.000183321	0.000975042	0.000403213
2046 Mar	0.020604532	3.13395E-06	1.174439549	2.19838047	0.013692067	0.000189351	15.72946644	0.001779602	0.004673439	5.22506E-05	0.000206972	0.000105265	0.064340279	1.98483E-06	6.70122E-05	0.000183334	0.000975098	0.000403236
2046 Apr	0.020609895	3.13473E-06	1.174731851	2.198929071	0.013695595	0.000189398	15.73335743	0.001780043	0.004674603	5.22642E-05	0.000207023	0.000105291	0.064356387	1.98533E-06	6.70289E-05	0.000183381	0.00097534	0.000403335
2046 May	0.020664638	3.14073E-06	1.176195025	2.202467203	0.013735501	0.000189682	15.75505352	0.001783103	0.004679414	5.24692E-05	0.000207417	0.000105461	0.064468406	1.98687E-06	6.71462E-05	0.00018384	0.000976388	0.000404102
2046 Jun	0.021522343	3.31052E-06	1.183208227	2.238853455	0.014247096	0.000193116	15.88267612	0.001838014	0.004718096	5.39248E-05	0.000216334	0.000107781	0.065692604	1.9814E-06	6.92935E-05	0.000192787	0.00099319	0.000418949
2046 Jul	0.021532061	3.32329E-06	1.173449039	2.221582651	0.014098763	0.000191451	15.52720547	0.001838047	0.004714249	5.39321E-05	0.00021605	0.000107305	0.065036915	1.97797E-06	6.90484E-05	0.000192978	0.000994545	0.000417147
2046 Aug	0.020755265	3.1016E-06	1.14751482	2.129707336	0.013157695	0.000182152	14.57770729	0.001728514	0.004671127	5.18087E-05	0.00020021	0.000102	0.062137354	1.98295E-06	6.4708E-05	0.00018169	0.000978819	0.000383979
2046 Sep	0.020043159	2.95135E-06	1.136130929	2.076579809	0.012521797	0.000177142	13.9498024	0.001652676	0.004641241	4.94539E-05	0.000190065	9.86383E-05	0.060571562	1.98248E-06	6.19795E-05	0.000172898	0.000966124	0.000363529
2046 Oct	0.019801997	2.88993E-06	1.132710695	2.053686142	0.012227262	0.000175308	13.6690979	0.001618758	0.004646761	4.90795E-05	0.000185467	9.70977E-05	0.059900772	1.98193E-06	6.07976E-05	0.000169116	0.000960473	0.000354257
2046 Nov	0.019824736	2.89592E-06	1.133342147	2.055918455	0.012245825	0.000175655	13.68455791	0.001621349	0.004648717	4.90701E-05	0.000185797	9.72194E-05	0.059973117	1.98193E-06	6.09114E-05	0.000169313	0.000960741	0.000355024
2046 Dec	0.019825799	2.89604E-06	1.13336575	2.055959225	0.012246056	0.000175663	13.68476105	0.001621377	0.004648874	4.90709E-05	0.000185799	9.72209E-05	0.059974495	1.98198E-06	6.09129E-05	0.000169316	0.000960763	0.000355029
2047 Jan	0.019826733	2.89608E-06	1.133372664	2.05597496	0.012246433	0.000175664	13.68476582	0.001621381	0.004648922	4.90726E-05	0.000185799	9.72211E-05	0.059975151	1.98198E-06	6.09132E-05	0.000169321	0.000960767	0.000355028
2047 Feb	0.019827738	2.89611E-06	1.133384228	2.056000948	0.012246979	0.000175666	13.68483543	0.001621392	0.004648971	4.90751E-05	0.0001858	9.72217E-05	0.059976097	1.98199E-06	6.09136E-05	0.000169326	0.000960773	0.000355029
2047 Mar	0.01982978	2.89635E-06	1.133476019	2.056170225	0.0122482	0.00017568	13.68590546	0.001621521	0.004649348	4.90802E-05	0.000185815	9.72293E-05	0.059981138	1.98215E-06	6.09185E-05	0.000169342	0.000960849	0.000355056
2047 Apr	0.019832009	2.89664E-06	1.133589149	2.056376934	0.012249554	0.000175697	13.68725109	0.001621681	0.004649812	4.90857E-05	0.000185833	9.72389E-05	0.059987232	1.98234E-06	6.09245E-05	0.00016936	0.000960944	0.000355091
2047 May	0.020093147	2.91443E-06	1.136460304	2.065090179	0.012413184	0.000176265	13.71843338	0.001628439	0.004659111	5.01893E-05	0.00018677	9.76099E-05	0.060297154	1.98291E-06	6.11908E-05	0.00017118	0.000962741	0.00035668
2047 Jun	0.02157329	3.0334E-06	1.150719881	2.117973566	0.013409866	0.000179833	13.85740471	0.001677994	0.004697285	5.65655E-05	0.000193695	0.000100113	0.062135454	1.97897E-06	6.30725E-05	0.000182534	0.000971916	0.000369149
2047 Jul	0.021282796	2.93649E-06	1.136200309	2.07013154	0.012924464	0.000175049	13.3932848	0.001630227	0.00469094	5.63489E-05	0.000186227	9.75578E-05	0.060532756	1.98393E-06	6.10034E-05	0.000177785	0.000966352	0.000353092
2047 Aug	0.020733425	2.79615E-06	1.119551659	2.011191607	0.012295107	0.000169136	12.81918621	0.00156128	0.004663499	5.46453E-05	0.000176258	9.42036E-05	0.058655765	1.98838E-06	5.82608E-05	0.00017042	0.000957074	0.000332178
2047 Sep	0.020184528	2.68944E-06	1.110989213	1.971923947	0.011812056	0.000165413	12.38824654	0.001506611	0.004641543	5.27082E-05	0.000169042	9.17642E-05	0.057490498	1.98814E-06	5.62914E-05	0.000163977	0.000948451	0.000317487
2047 Oct	0.019980308	2.64514E-06	1.108327866	1.954983473	0.011587166	0.000164026	12.19423008	0.001482232	0.004644122	5.23167E-05	0.000165795	9.06521E-05	0.056989461	1.98741E-06	5.54396E-05	0.000161154	0.000944397	0.000310919
2047 Nov	0.020004118	2.65111E-06	1.108881593	1.957036734	0.011604373	0.00016437	12.20619202	0.001484649	0.004646048	5.23025E-05	0.0001661	9.07633E-05	0.057057187	1.98731E-06	5.55483E-05	0.000161337	0.000944617	0.000311635
2047 Dec	0.020005019	2.65121E-06	1.108902693	1.957072854	0.011604577	0.000164376	12.20636749	0.001484674	0.004646184	5.23032E-05	0.000166102	9.07647E-05	0.05705839	1.98735E-06	5.55496E-05	0.00016134	0.000944636	0.000311639
2048 Jan	0.020005887	2.65126E-06	1.108914614	1.957096577	0.01160495	0.000164378	12.20644283	0.001484685	0.004646251	5.23049E-05	0.000166103	9.07653E-05	0.057059247	1.98736E-06	5.55502E-05	0.000161345	0.000944644	0.00031164
2048 Feb	0.020006876	2.65131E-06	1.10893333	1.957134366	0.011605493	0.000164381	12.20660019	0.001484707	0.004646329	5.23074E-05	0.000166106	9.07666E-05	0.057060499	1.98739E-06	5.5551E-05	0.000161351	0.000944658	0.000311643
2048 Mar	0.02000732	2.65132E-06	1.108938336	1.957145572	0.011605732	0.000164381	12.20662785	0.001484711	0.00464635	5.23085E-05	0.000166106	9.07668E-05	0.057060909	1.98739E-06	5.55512E-05	0.000161353	0.000944661	0.000311643
2048 Apr	0.020011645	2.65183E-06	1.109123468	1.957509637	0.011608646	0.000164411	12.20873737	0.001484999	0.004647058	5.23196E-05	0.00016614	9.07835E-05	0.057071839	1.98768E-06	5.5562E-05	0.000161389	0.000944805	0.000311709
2048 May	0.020024993	2.65356E-06	1.10983336	1.958779812	0.011616559	0.000164517	12.21657562	0.001485966	0.004650005	5.23546E-05	0.000166249	9.08423E-05	0.057109036	1.98893E-06	5.55982E-05	0.000161496	0.000945405	0.000311914
2048 Jun	0.020349899	2.72811E-06	1.110951066	1.969912529	0.011777141	0.00016571	12.20976734	0.001507119	0.004665048	5.25908E-05	0.000169868	9.16561E-05	0.057493016	1.98524E-06	5.64313E-05	0.000165004	0.000952728	0.000317581
2048 Jul	0.020437866	2.73537E-06	1.104278088	1.955136895	0.01166317	0.000164329	11.98401356	0.001500877	0.00466963	5.27049E-05	0.000168948	9.10602E-05	0.056994032	1.98394E-06	5.60734E-05	0.000165105	0.000954361	0.000314371
2048 Aug	0.020087067	2.64888E-06	1.093754292	1.919033885	0.011275711	0.000160844	11.62285423	0.001458994	0.004649355	5.15367E-05	0.000162752	8.90219E-05	0.055844776	1.98633E-06	5.44041E-05	0.000160301	0.00094785	0.00030168
2048 Sep	0.019680714	2.56477E-06	1.087435722	1.889224887	0.010916159	0.000157923	11.30963612	0.001416627	0.004632962	5.01876E-05	0.000157145	8.71455E-05	0.054961182	1.98655E-06	5.28726E-05	0.000155446	0.000941238	0.000290249
2048 Oct	0.019522272	2.52898E-06	1.085449219	1.876180649	0.01074631	0.000156799	11.1660471	0.001397526	0.004634466	4.99473E-05	0.000154601	8.62817E-05	0.05457538	1.98596E-06	5.22004E-05	0.000153274	0.000937987	0.000285111
2048 Nov	0.019548237	2.53342E-06	1.085763097	1.877260923	0.010755165	0.000157054	11.17028046	0.001398719	0.004636773	4.9936E-05	0.000154736	8.63221E-05	0.054614749	1.98596E-06	5.22633E-05	0.000153379	0.000938148	0.000285432
2048 Dec	0.019548997	2.5335E-06	1.085780025	1.877289414	0.010755323	0.000157059	11.17040825	0.001398738	0.004636887	4.99366E-05	0.000154738	8.63331E-05	0.054615706	1.98599E-06	5.22643E-05	0.000153382	0.000938163	0.000285435
2049 Jan	0.019549681	2.53354E-06	1.085786104	1.877302647	0.010755604	0.000157061	11.17042732	0.001398743	0.004636927	4.99378E-05	0.000154738	8.63334E-05	0.054616243	1.98599E-06	5.22646E-05	0.000153385	0.000938167	0.000285435
2049 Feb	0.019550363	2.53356E-06	1.085792542	1.877317786	0.010755972	0.000157061	11.17045498	0.001398748	0.004636953	4.99395E-05	0.000154738	8.63336E-05	0.054616813	1.986E-06	5.22648E-05	0.000153388	0.00093817	0.000285435
2049 Mar	0.019551231	2.53363E-06	1.085823774	1.877374053	0.010756446	0.000157066	11.17075539	0.001398787	0.004637086	4.99418E-05	0.000154743	8.6336E-05	0.054618523	1.98605E-06	5.22663E-05	0.000153394	0.000938196	0.000285442
2049 Apr	0.01955414	2.53399E-06	1.085975528	1.877637744	0.010758044	0.000157087	11.17230511	0.001398982	0.004637734	4.99492E-05	0.000154764	8.6348E-05	0.054626234	1.98633E-06	5.22736E-05	0.000153417	0.000938326	0.000285482
2049 May	0.019577591	2.53665E-06	1.08678019	1.879334927	0.010773881	0.000157225	11.18089771	0.001400369	0.004640739	5.00297E-05	0.000154934	8.6428E-05	0.054678436	1.98745E-06	5.23263E-05	0.000153609	0.000938956	0.000285807
2049 Jun	0.019931823	2.5947E-06	1.086486697	1.8843683	0.010903005	0.000157738	11.13691425	0.001412103	0.004655561	5.05465E-05	0.000157194	8.68117E-05	0.054893255	1.98379E-06	5.28033E-05	0.000156597	0.000944895	0.000288547
2049 Jul	0.019936385	2.58111E-06	1.080182433	1.868298531	0.010766573	0.00015618	10.94358444	0.001400905	0.004655367	5.06682E-05	0.000155398	8.60626E-05	0.05434978	1.98336E-06	5.22601E-05	0.000155832	0.000944285	0.00028415
2049 Aug	0.019661749	2.50145E-06	1.071801543	1.836852193	0.010432487	0.000152899	10.66095924	0.001362876	0.004643762	4.98885E-05	0.000149802	8.42386E-05	0.053340901	1.98816E-06	5.07338E-05	0.000151878	0.000939776	0.000272404
2049 Sep	0.019347705	2.42944E-06	1.066039562	1.810403109	0.010125877	0.000150342	10.40646744	0.001325451	0.004631205	4.88362E-05	0.000144829	8.2564E-05	0.052561387	1.98818E-06	4.93835E-05	0.000147796	0.000934081	0.000262167
2049 Oct	0.019230608	2.39792E-06	1.063894153	1.797875285	0.009973456	0.000149298	10.28353977	0.001307457	0.004633207	4.86598E-05	0.000142414	8.17365E-05	0.05219543	1.98751E-06	4.8751E-05	0.000145882	0.000931163	0.00025721
2049 Nov	0.019242771	2.39979E-06	1.064043522	1.798317432	0.009976907	0.000149407	10.28494835	0.00130791	0.004634395	4.86568E-05	0.000142462	8.17557E-05	0.052211754	1.98758E-06	4.87759E-05	0.000145926	0.000931257	0.000257323
2049 Dec	0.019243525	2.39988E-06	1.064065933	1.798354745	0.009977112	0.000149412	10.28513241	0.001307936	0.004634524	4.86577E-05	0.000142465	8.17572E-05	0.052212946	1.98762E-06	4.87771E-05	0.000145929	0.000931277	0.000257327
2050 Jan	0.019244118	2.39991E-06	1.064074397	1.798371434	0.009977363	0.000149414	10.28518486	0.001307944	0.004634571	4.86588E-05	0.000142466	8.17577E-05	0.052213538	1.98763E-06	4.87775E-05	0.000145932	0.000931283	0.000257328
2050 Feb	0.019244652	2.39993E-06	1.064079762	1.798383951	0.009977651	0.000149414	10.28521061	0.001307949	0.004634595	4.86601E-05	0.000142466	8.17579E-05	0.052214008	1.98763E-06	4.87777E-05	0.000145935	0.000931286	0.000257328
2050 Mar	0.01924503	2.39995E-06	1.064087749	1.798398972	0.009977853	0.000149415	10.2852726	0.001307957	0.004634628	4.86611E-05	0.000142467	8.17584E-05	0.052214503	1.98764E-06	4.8778E-05	0.000145937	0.000931292	0.000257329
2050 Apr	0.019247387	2.40023E-06	1.064210653	1.798607707	0.009979079	0.000149432	10.28645134	0.001308108	0.004635164	4.86671E-05	0.000142483	8.17678E-05	0.052220594	1.98787E-06	4.87836E-05	0.000145955	0.000931399	0.000257359
2050 May	0.01926461	2.40182E-06	1.064823627	1.799696803	0.00998797	0.000149517	10.29202271	0.001308865	0.004637866	4.87226E-05	0.000142568	8.18152E-05	0.052253708	1.98894E-06	4.88121E-05	0.000146073	0.00093193	0.000257501
2050 Jun	0.019636502	2.42717E-06	1.062730908	1.795639038	0.0100662	0.000148953	10.21000957	0.001305701	0.004651766	4.9761E-05	0.000142514	8.15406E-05	0.052201591	1.98658E-06	4.87041E-05	0.000148035	0.000935203	0.000255561
2050 Jul	0.019644959	2.40485E-06	1.054921508	1.774441719	0.009892722	0.000146932	10.01675034	0.001287595	0.004649646	4.9867E-05	0.000139821	8.04612E-05	0.051521875	1.98487E-06	4.79188E-05	0.000146762	0.000933423	0.000249191
2050 Aug	0.019490112	2.35591E-06	1.049326777	1.754198432	0.009680324	0.000144846	9.840984344	0.001264238	0.004643759	4.94999E-05	0.000136269	7.93107E-05	0.050862391	1.98807E-06	4.69585E-05	0.000144289	0.000930556	0.000241767
2050 Sep	0.0195089	2.35773E-06	1.049241066	1.753534675	0.009670274	0.000145022	9.826655388	0.001262946	0.004645672	4.93677E-05	0.000136051	7.92491E-05	0.050857566	1.98821E-06	4.69385E-05	0.000144106	0.000930449	0.000241358
2050 Oct	0.019528734	2.36027E-06	1.049648404	1.754331112	0.009675256	0.000145171	9.82978344	0.001263578	0.004648371	4.93775E-05	0.000136111	7.92809E-05	0.050884761	1.98884E-06	4.69715E-05	0.00014418	0.000930794	0.000241479
2050 Nov	0.019532075	2.36067E-06	1.049808741	1.754600167	0.009676744	0.000145195	9.831258774	0.001263771	0.004649111	4.93849E-05	0.000136132	7.92929E-05	0.050892677	1.98914E-06	4.69789E-05	0.000144203	0.000930936	0.000241515
2050 Dec	0.019532647	2.36074E-06	1.049829006	1.754633784	0.009676928	0.000145199	9.831430435	0.001263795	0.004649217	4.93857E-05	0.000136134	7.92943E-05	0.050893713	1.98918E-06	4.69799E-05	0.000144206	0.000930955	0.000241519
2051 Jan	0.019533034	2.36076E-06	1.049836755	1.754648089	0.009677096	0.0001452	9.831487656	0.001263803	0.004649257	4.93865E-05	0.000136135	7.92948E-05	0.05089419	1.98919E-06	4.69803E-05	0.000144208	0.000930961	0.00024152
2051 Feb	0.019533388	2.36078E-06	1.049842715	1.75466001	0.009677284	0.000145201	9.831529617	0.001263809	0.004649284	4.93874E-05	0.000136135	7.92951E-05	0.050894596	1.9892E-06	4.69805E-05	0.00014421	0.000930965	0.000241521
2051 Mar	0.019533915	2.36083E-06	1.049864054	1.754696727	0.009677553	0.000145204	9.83172226	0.001263834	0.004649378	4.93887E-05	0.000136138	7.92967E-05	0.050895691	1.98923E-06	4.69814E-05	0.000144213	0.000930983	0.000241526
2051 Apr	0.019537266	2.36122E-06	1.050040126	1.754991531	0.009679216	0.000145228	9.83336544	0.001264046	0.004650157	4.93972E-05	0.000136161	7.931E-05	0.050904259	1.98957E-06	4.69893E-05	0.000144238	0.000931139	0.000241566
2051 May	0.019592578	2.36435E-06	1.050922513	1.756726265	0.009706213	0.000145335	9.839231491	0.001265014	0.004654427	4.96125E-05	0.000136275	7.93732E-05	0.050963912	1.9908E-06	4.7027E-05	0.000144568	0.000931903	0.000241691
2051 Jun	0.020331461	2.41449E-06	1.050994515	1.760623217	0.009988667	0.00014526	9.791513443	0.0012665	0.004675985	5.19879E-05	0.000137159	7.9369E-05	0.051253419	1.98522E-06	4.71593E-05	0.000148849	0.000936634	0.000240922
2051 Jul	0.020446211	2.4321E-06	1.051667333	1.762572408	0.010019735	0.000145479	9.791623116	0.001269312	0.00468458	5.20899E-05	0.000137724	7.94757E-05	0.051335976	1.98583E-06	4.72888E-05	0.000149613	0.000938953	0.000241498
2051 Aug	0.020520458	2.44426E-06	1.052849054	1.765189528	0.01004089	0.000145965	9.799031258	0.001271954	0.004691808	5.21223E-05	0.000137997	7.96041E-05	0.05143369	1.98723E-06	4.74102E-05	0.000149783	0.000939967	0.00024207
2051 Sep	0.020589981	2.45543E-06	1.052644968	1.765816689	0.010049804	0.000146569	9.792107582	0.001273114	0.004695506	5.20347E-05	0.000138082	7.96201E-05	0.051480807	1.98559E-06	4.75108E-05	0.00014985	0.000939602	0.000242367
2051 Oct	0.02072724	2.47264E-06	1.051252723	1.764541388	0.010046718	0.000147556	9.767123222	0.001272548	0.004702219	5.18435E-05	0.000137882	7.94945E-05	0.051496871	1.98144E-06	4.7614E-05	0.000149839	0.000938254	0.000242139
2051 Nov	0.020748543	2.47507E-06	1.0513165	1.7647053	0.010047801	0.000147697	9.766122818	0.001272647	0.004704188	5.18339E-05	0.000137872	7.94919E-05	0.051507883	1.98145E-06	4.76322E-05	0.000149864	0.000938317	0.000242124
2051 Dec	0.020749252	2.47515E-06	1.051335812	1.764737368	0.01004798	0.000147701	9.766274452	0.001272668	0.004704304	5.18347E-05	0.000137874	7.94932E-05	0.051508918	1.98149E-06	4.76332E-05	0.000149867	0.000938335	0.000242128
2052 Jan	0.020749751	2.47517E-06	1.051340222	1.764747143	0.010048185	0.000147702	9.766287804	0.001272672	0.004704333	5.18356E-05	0.000137874	7.94933E-05	0.051509306	1.98149E-06	4.76335E-05	0.000149869	0.000938338	0.000242127
2052 Feb	0.020750422	2.4752E-06	1.051353216	1.764772058	0.010048538	0.000147704	9.766384125	0.001272685	0.00470439	5.18373E-05	0.000137876	7.94941E-05	0.051510133	1.98151E-06	4.7634E-05	0.000149873	0.000938347	0.000242129
2052 Mar	0.02075159	2.47532E-06	1.051401019	1.764854193	0.010049119	0.000147711	9.766816139	0.001272742	0.004704603	5.18402E-05	0.000137882	7.94977E-05	0.051512588	1.9816E-06	4.76361E-05	0.000149881	0.000938389	0.00024214
2052 Apr	0.020753691	2.47555E-06	1.051501155	1.765023232	0.010050144	0.000147725	9.767738342	0.001272863	0.00470505	5.18455E-05	0.000137895	7.95052E-05	0.05151755	1.98178E-06	4.76406E-05	0.000149896	0.000938478	0.000242163
2052 May	0.020874381	2.481E-06	1.052535057	1.767507911	0.010110049	0.000147835	9.771308899	0.001273979	0.004710399	5.23493E-05	0.000138045	7.95797E-05	0.051614184	1.98252E-06	4.76868E-05	0.000150593	0.000939326	0.000242237
2052 Jun	0.021388916	2.50944E-06	1.054595113	1.773965836	0.010338183	0.000148014	9.76067543	0.001276693	0.004728235	5.42745E-05	0.000138652	7.9727E-05	0.051916111	1.9817E-06	4.78234E-05	0.00015357	0.000942556	0.000242099
2052 Jul	0.021498008	2.52459E-06	1.056028843	1.777082086	0.01036667	0.000148375	9.769899368	0.001279887	0.004738493	5.43929E-05	0.000139081	7.98776E-05	0.05202686	1.98381E-06	4.79624E-05	0.000153983	0.000944421	0.00024276
2052 Aug	0.02155547	2.53376E-06	1.057423115	1.779972076	0.010387826	0.000148766	9.781220436	0.00128257	0.004745546	5.44478E-05	0.000139377	8.00186E-05	0.052123569	1.98581E-06	4.80759E-05	0.000154199	0.000945607	0.000243358
2052 Sep	0.021601893	2.54166E-06	1.057768226	1.781144857	0.010398073	0.000149182	9.781558037	0.001283926	0.004749275	5.44143E-05	0.000139503	8.00701E-05	0.052175384	1.98567E-06	4.81572E-05	0.000154288	0.000945793	0.000243678
2052 Oct	0.021632221	2.54569E-06	1.057973266	1.78174746	0.01040252	0.000149417	9.781692505	0.001284495	0.004752138	5.4401E-05	0.000139547	8.00883E-05	0.052201807	1.98572E-06	4.81992E-05	0.000154353	0.000945935	0.00024379
2052 Nov	0.021635614	2.54608E-06	1.058112502	1.781983733	0.010403902	0.00014944	9.782936096	0.001284666	0.004752809	5.44078E-05	0.000139565	8.00987E-05	0.052208904	1.98598E-06	4.8206E-05	0.000154374	0.000946059	0.000243822
2052 Dec	0.021636236	2.54615E-06	1.058132052	1.782016635	0.010404091	0.000149444	9.783098221	0.001284688	0.004752917	5.44086E-05	0.000139567	8.01E-05	0.052209929	1.98602E-06	4.8207E-05	0.000154377	0.000946077	0.000243825

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.021636682	2.54618E-06	1.058140159	1.782031775	0.010404281	0.000149446	9.783154488	0.001284697	0.00475296	5.44095E-05	0.000139568	8.01005E-05	0.052210446	1.98603E-06	4.82074E-05	0.000154379	0.000946083	0.000243826
2053 Feb	0.021637347	2.54623E-06	1.058159113	1.782065868	0.01040462	0.000149448	9.783314705	0.001284719	0.004753044	5.44112E-05	0.00013957	8.01019E-05	0.052211512	1.98606E-06	4.82082E-05	0.000154384	0.000946099	0.00024383
2053 Mar	0.021638783	2.54638E-06	1.058222055	1.782173038	0.010405323	0.000149457	9.783886909	0.001284794	0.004753327	5.44148E-05	0.000139578	8.01066E-05	0.052214686	1.98618E-06	4.82111E-05	0.000154394	0.000946155	0.000243844
2053 Apr	0.0216428	2.54685E-06	1.058414221	1.782497406	0.01040726	0.000149484	9.785658836	0.001285027	0.00475419	5.44249E-05	0.000139604	8.01211E-05	0.052224211	1.98654E-06	4.82198E-05	0.000154422	0.000946326	0.000243888
2053 May	0.021954	2.55925E-06	1.060391784	1.787652969	0.010559157	0.000149647	9.787289619	0.001286754	0.004765406	5.57496E-05	0.000139857	8.02473E-05	0.052439574	1.98716E-06	4.82958E-05	0.000156171	0.000947937	0.000243794
2053 Jun	0.022754798	2.59558E-06	1.06265223	1.797040701	0.010941208	0.000149778	9.762482643	0.001289731	0.004784334	5.90302E-05	0.000140568	8.04238E-05	0.052895952	1.98272E-06	4.84521E-05	0.00016076	0.000950711	0.000243412
2053 Jul	0.022827597	2.60647E-06	1.064332485	1.800431728	0.010970079	0.00015009	9.77616787	0.001292945	0.004793553	5.9139E-05	0.000141034	8.05903E-05	0.053005639	1.98538E-06	4.85825E-05	0.000161287	0.000952828	0.000244104
2053 Aug	0.022889303	2.61517E-06	1.066667199	1.804739594	0.010998526	0.000150533	9.797114372	0.001296425	0.00480416	5.92523E-05	0.00014142	8.07918E-05	0.053138427	1.98933E-06	4.87199E-05	0.000161651	0.000954852	0.000244834
2053 Sep	0.022923952	2.62005E-06	1.068114877	1.807394147	0.011015753	0.000150803	9.810307503	0.001298537	0.004810588	5.93201E-05	0.000141655	8.09154E-05	0.053219359	1.99179E-06	4.8803E-05	0.000161879	0.000956095	0.000245279
2053 Oct	0.022937708	2.62211E-06	1.068532228	1.808274269	0.011021749	0.000150923	9.814036369	0.001299306	0.004812651	5.93337E-05	0.000141741	8.09561E-05	0.053247321	1.99239E-06	4.8837E-05	0.000161958	0.000956427	0.000245458
2053 Nov	0.022944918	2.62314E-06	1.068564534	1.808412075	0.011022815	0.000150984	9.813924789	0.001299457	0.004813265	5.93281E-05	0.000141754	8.09605E-05	0.053253628	1.99235E-06	4.88481E-05	0.000161973	0.00095644	0.000245492
2053 Dec	0.022945428	2.6232E-06	1.068574548	1.808428526	0.01102291	0.000150987	9.813990593	0.001299467	0.004813337	5.93284E-05	0.000141755	8.09611E-05	0.053254206	1.99236E-06	4.88487E-05	0.000161974	0.00095645	0.000245493
2054 Jan	0.022945924	2.62322E-06	1.068580031	1.80843997	0.011023116	0.000150988	9.814016342	0.001299472	0.00481337	5.93294E-05	0.000141755	8.09613E-05	0.053254642	1.99237E-06	4.88489E-05	0.000161977	0.000956453	0.000245494
2054 Feb	0.022946531	2.62325E-06	1.068590879	1.808461308	0.011023435	0.00015099	9.81409359	0.001299484	0.004813417	5.93309E-05	0.000141756	8.0962E-05	0.053255353	1.99239E-06	4.88494E-05	0.00016198	0.000956461	0.000245495
2054 Mar	0.022946849	2.62327E-06	1.068596244	1.808471918	0.011023602	0.00015099	9.814130783	0.001299489	0.004813441	5.93317E-05	0.000141757	8.09623E-05	0.053255718	1.99239E-06	4.88496E-05	0.000161982	0.000956465	0.000245496
2054 Apr	0.022950549	2.62368E-06	1.068763137	1.808755159	0.011025389	0.000151014	9.815656662	0.001299692	0.004814192	5.93413E-05	0.000141779	8.09749E-05	0.053264089	1.9927E-06	4.88572E-05	0.000162008	0.000956614	0.000245534
2054 May	0.023036491	2.62794E-06	1.069715619	1.810854673	0.011067952	0.000151124	9.820462227	0.001300753	0.004818943	5.96911E-05	0.000141913	8.10444E-05	0.053341508	1.99368E-06	4.88999E-05	0.000162511	0.000957415	0.000245644
2054 Jun	0.023685841	2.66233E-06	1.070889473	1.817097902	0.011359653	0.000151166	9.792613029	0.001302906	0.00483485	6.21711E-05	0.00014258	8.11425E-05	0.053674348	1.98937E-06	4.90266E-05	0.00016627	0.000960217	0.000245263
2054 Jul	0.023798186	2.67959E-06	1.070883036	1.817897797	0.011380911	0.000151331	9.786026955	0.001304893	0.004841058	6.22279E-05	0.000143002	8.11952E-05	0.053725302	1.98874E-06	4.91282E-05	0.000166785	0.000961702	0.000245672
2054 Aug	0.023859341	2.69043E-06	1.07199955	1.820420861	0.011400836	0.0001518	9.793579102	0.001307469	0.004847282	6.22449E-05	0.000143273	8.13219E-05	0.053817958	1.98999E-06	4.9245E-05	0.000166946	0.000962605	0.000246256
2054 Sep	0.023902057	2.69809E-06	1.072599292	1.821852922	0.011412033	0.000152186	9.796458244	0.001308961	0.004851461	6.22271E-05	0.000143412	8.13896E-05	0.053875808	1.99048E-06	4.9323E-05	0.000167034	0.000963048	0.000246581
2054 Oct	0.023936272	2.70293E-06	1.072516203	1.822082639	0.011414051	0.000152473	9.793280602	0.001309336	0.004853845	6.21813E-05	0.000143426	8.13879E-05	0.053894784	1.98986E-06	4.93669E-05	0.000167064	0.000962906	0.000246663
2054 Nov	0.023950052	2.70472E-06	1.072488785	1.822136402	0.01141444	0.000152579	9.791983604	0.001309417	0.004854888	6.21652E-05	0.000143422	8.13845E-05	0.053901076	1.98967E-06	4.93814E-05	0.000167074	0.000962868	0.00024667
2054 Dec	0.023950979	2.70482E-06	1.072515726	1.822181582	0.011414715	0.000152585	9.792201042	0.001309448	0.00485504	6.21666E-05	0.000143425	8.13863E-05	0.053902518	1.98972E-06	4.93828E-05	0.000167078	0.000962893	0.000246675
2055 Jan	0.023951503	2.70485E-06	1.072520614	1.822192192	0.011414931	0.000152587	9.792218208	0.001309452	0.004855072	6.21675E-05	0.000143425	8.13865E-05	0.053902932	1.98972E-06	4.9383E-05	0.00016708	0.000962896	0.000246675
2055 Feb	0.02395202	2.70486E-06	1.072525382	1.822203517	0.011415211	0.000152587	9.792237282	0.001309456	0.004855092	6.21688E-05	0.000143425	8.13867E-05	0.053903364	1.98972E-06	4.93832E-05	0.000167083	0.000962898	0.000246675
2055 Mar	0.023952663	2.70491E-06	1.072544217	1.822237253	0.011415535	0.000152589	9.792395592	0.001309477	0.004855176	6.21705E-05	0.000143428	8.1388E-05	0.053904414	1.98976E-06	4.9384E-05	0.000167087	0.000962914	0.000246679
2055 Apr	0.023955878	2.70526E-06	1.072682381	1.822473049	0.011417076	0.000152609	9.793649673	0.001309646	0.004855801	6.21788E-05	0.000143446	8.13984E-05	0.053911418	1.99001E-06	4.93903E-05	0.00016711	0.000963037	0.00024671
2055 May	0.023969004	2.70674E-06	1.073267579	1.823467612	0.011423335	0.000152692	9.798989296	0.00131036	0.00485845	6.22129E-05	0.000143524	8.14428E-05	0.053940855	1.9911E-06	4.94173E-05	0.000167201	0.000963563	0.000246845
2055 Jun	0.024230486	2.74467E-06	1.070962667	1.819568753	0.011446331	0.000152419	9.753873825	0.001309901	0.004870379	6.23047E-05	0.000144205	8.12689E-05	0.053897835	1.98723E-06	4.94658E-05	0.000168862	0.000967904	0.000246248
2055 Jul	0.024373453	2.76589E-06	1.07128787	1.820686698	0.011475001	0.000152573	9.747678757	0.001312188	0.004880454	6.24067E-05	0.000144771	8.13327E-05	0.053963359	1.98748E-06	4.95825E-05	0.000169744	0.000970652	0.000246608
2055 Aug	0.024434308	2.7745E-06	1.073191166	1.824314594	0.011500203	0.000152962	9.76428318	0.001315235	0.004889519	6.25054E-05	0.000145114	8.15036E-05	0.054077692	1.9906E-06	4.9705E-05	0.000170052	0.000972325	0.000247255
2055 Sep	0.02447338	2.78181E-06	1.073675871	1.825625181	0.011510754	0.000153336	9.766413689	0.001316685	0.004893047	6.24799E-05	0.000145252	8.15669E-05	0.054131351	1.99082E-06	4.97819E-05	0.00017013	0.00097264	0.000247594
2055 Oct	0.024492605	2.78448E-06	1.074019074	1.826388836	0.011515953	0.000153492	9.768877983	0.001317356	0.004895399	6.24843E-05	0.00014532	8.15986E-05	0.054158047	1.99124E-06	4.98173E-05	0.000170203	0.00097291	0.00024774
2055 Nov	0.024498526	2.78524E-06	1.074141383	1.826633811	0.011517558	0.000153536	9.769788742	0.001317554	0.00489619	6.24876E-05	0.00014534	8.16086E-05	0.054166388	1.99142E-06	4.98274E-05	0.000170226	0.000973013	0.000247779
2055 Dec	0.024499314	2.78535E-06	1.07415843	1.826668024	0.011517783	0.000153542	9.769919395	0.001317582	0.004896298	6.24881E-05	0.000145343	8.161E-05	0.054167539	1.99145E-06	4.98288E-05	0.000170229	0.000973028	0.000247785
2056 Jan	0.02450005	2.78539E-06	1.074168324	1.826687694	0.011518094	0.000153544	9.769975662	0.001317592	0.004896354	6.24895E-05	0.000145343	8.16105E-05	0.054168254	1.99146E-06	4.98293E-05	0.000170233	0.000973035	0.000247786
2056 Feb	0.02450078	2.78542E-06	1.07417798	1.826708078	0.01151848	0.000153545	9.770033836	0.001317601	0.004896396	6.24913E-05	0.000145344	8.1611E-05	0.054168977	1.99147E-06	4.98296E-05	0.000170237	0.000973041	0.000247787
2056 Mar	0.024501637	2.78548E-06	1.074203491	1.826753616	0.011518908	0.000153549	9.770249367	0.001317631	0.004896511	6.24935E-05	0.000145348	8.16129E-05	0.054170392	1.99152E-06	4.98308E-05	0.000170242	0.000973063	0.000247792
2056 Apr	0.024505522	2.78591E-06	1.074367046	1.827033043	0.011520748	0.000153572	9.771727562	0.001317831	0.004897255	6.25034E-05	0.00014537	8.16252E-05	0.054178711	1.99182E-06	4.98383E-05	0.000170269	0.00097321	0.000247829
2056 May	0.024719166	2.79474E-06	1.075926661	1.830897212	0.011625344	0.000153714	9.77499485	0.001319279	0.004905771	6.34071E-05	0.000145571	8.17281E-05	0.054335102	1.99266E-06	4.99E-05	0.000171479	0.000974488	0.000247823
2056 Jun	0.025482958	2.82837E-06	1.07819736	1.840093017	0.011993609	0.000153838	9.752716064	0.001322153	0.004923642	6.65758E-05	0.000146235	8.19043E-05	0.054776739	1.98854E-06	5.00478E-05	0.000175862	0.000977048	0.000247469
2056 Jul	0.025570761	2.84019E-06	1.080184102	1.843869567	0.012024021	0.000154195	9.768527031	0.001325473	0.004934839	6.67141E-05	0.000146678	8.20814E-05	0.054899164	1.9919E-06	5.01834E-05	0.000176368	0.000979354	0.00024813
2056 Aug	0.025638191	2.85019E-06	1.0817343	1.847033381	0.012047578	0.000154593	9.781060219	0.001328353	0.004942937	6.67925E-05	0.000146999	8.22333E-05	0.05500434	1.99421E-06	5.03044E-05	0.000176619	0.000980719	0.000248757
2056 Sep	0.025679534	2.8561E-06	1.082915783	1.849374413	0.01206369	0.000154919	9.79100132	0.001330317	0.004949014	6.68372E-05	0.000147212	8.23393E-05	0.05508019	1.996E-06	5.03912E-05	0.000176829	0.000981707	0.00024918
2056 Oct	0.025707869	2.86055E-06	1.08278358	1.849584937	0.012065472	0.00015519	9.78787899	0.001330753	0.004950724	6.67842E-05	0.000147239	8.23406E-05	0.055097472	1.99524E-06	5.04354E-05	0.000176848	0.00098149	0.000249301
2056 Nov	0.025716713	2.86177E-06	1.082830787	1.849743962	0.012066519	0.000155263	9.787783623	0.001330912	0.004951546	6.67774E-05	0.00014725	8.2345E-05	0.055104818	1.99523E-06	5.0448E-05	0.000176864	0.000981517	0.000249333
2056 Dec	0.025717447	2.86185E-06	1.082848907	1.849774361	0.012066706	0.000155267	9.787920952	0.001330932	0.004951658	6.67783E-05	0.000147252	8.23462E-05	0.055105813	1.99526E-06	5.0449E-05	0.000176867	0.000981533	0.000249336
2057 Jan	0.025718058	2.86188E-06	1.082858324	1.84979248	0.012066966	0.000155269	9.787979126	0.001330941	0.004951709	6.67795E-05	0.000147253	8.23467E-05	0.05510645	1.99527E-06	5.04494E-05	0.00017687	0.000981541	0.000249337
2057 Feb	0.025718624	2.86191E-06	1.082865715	1.849808216	0.012067266	0.00015527	9.788023949	0.001330949	0.004951742	6.67809E-05	0.000147253	8.23471E-05	0.055107016	1.99528E-06	5.04497E-05	0.000176873	0.000981545	0.000249338
2057 Mar	0.025719907	2.86203E-06	1.082910895	1.849887133	0.012067886	0.000155276	9.788419724	0.001331003	0.004951947	6.67842E-05	0.000147259	8.23505E-05	0.055109408	1.99536E-06	5.04518E-05	0.000176881	0.000981585	0.000249348
2057 Apr	0.025724174	2.86249E-06	1.083085537	1.850186229	0.0120699	0.000155301	9.789991379	0.001331217	0.004952745	6.67953E-05	0.000147283	8.23637E-05	0.055118352	1.99568E-06	5.04599E-05	0.00017691	0.000981743	0.000249388
2057 May	0.025792366	2.86632E-06	1.084086776	1.85220015	0.012103027	0.000155424	9.796321869	0.001332332	0.004957666	6.70602E-05	0.000147417	8.2436E-05	0.055188727	1.99702E-06	5.05038E-05	0.000177314	0.000982616	0.000249527
2057 Jun	0.026374102	2.90378E-06	1.084455967	1.85599184	0.012335984	0.000155368	9.762617111	0.001333799	0.004974203	6.90239E-05	0.000148118	8.24619E-05	0.055436064	1.99292E-06	5.06122E-05	0.000180725	0.000986201	0.000249011
2057 Jul	0.026467146	2.9173E-06	1.085876226	1.858891368	0.012364964	0.000155647	9.771897316	0.001336772	0.004984119	6.91383E-05	0.0001486	8.26041E-05	0.05553703	1.99518E-06	5.07389E-05	0.000181338	0.000988533	0.000249601
2057 Aug	0.026547639	2.92728E-06	1.088946462	1.864408135	0.012402737	0.000156151	9.799500465	0.001341014	0.004998123	6.93226E-05	0.000149079	8.28561E-05	0.055704664	2.00055E-06	5.09032E-05	0.000181856	0.000991274	0.000250454
2057 Sep	0.026582349	2.93281E-06	1.0899719	1.866569161	0.012418195	0.000156452	9.808391571	0.001342944	0.005003054	6.93567E-05	0.000149295	8.29584E-05	0.055774774	2.00197E-06	5.0987E-05	0.000182045	0.000992097	0.000250899
2057 Oct	0.026600955	2.93588E-06	1.090147257	1.86719656	0.012422791	0.000156636	9.809309959	0.001343638	0.005004761	6.93405E-05	0.000149367	8.29855E-05	0.05579894	2.00193E-06	5.10274E-05	0.000182101	0.000992174	0.000251081
2057 Nov	0.026606293	2.93655E-06	1.090277672	1.867445827	0.012424448	0.000156674	9.810343742	0.001343833	0.005005525	6.93458E-05	0.000149387	8.29959E-05	0.055807129	2.00214E-06	5.10367E-05	0.000182125	0.000992287	0.000251119
2057 Dec	0.026607063	2.93664E-06	1.090298772	1.867481351	0.012424675	0.000156679	9.810509682	0.001343858	0.005005646	6.93469E-05	0.00014939	8.29974E-05	0.055808272	2.00218E-06	5.10378E-05	0.000182128	0.000992306	0.000251123
2058 Jan	0.026607471	2.93665E-06	1.090301991	1.867488742	0.012424842	0.000156679	9.810517311	0.00134386	0.005005668	6.93476E-05	0.00014939	8.29975E-05	0.055808574	2.00218E-06	5.1038E-05	0.00018213	0.000992308	0.000251123
2058 Feb	0.026607918	2.93667E-06	1.090306878	1.867499709	0.012425081	0.00015668	9.81054306	0.001343864	0.005005689	6.93488E-05	0.00014939	8.29977E-05	0.055808976	2.00219E-06	5.10381E-05	0.000182132	0.000992311	0.000251123
2058 Mar	0.026608458	2.93671E-06	1.09032166	1.867526412	0.01242535	0.000156682	9.810666084	0.001343882	0.005005756	6.93502E-05	0.000149392	8.29987E-05	0.055809818	2.00221E-06	5.10388E-05	0.000182136	0.000992323	0.000251126
2058 Apr	0.026611211	2.937E-06	1.090430379	1.867713451	0.012426645	0.000156698	9.811636925	0.001344015	0.005006255	6.93573E-05	0.000149407	8.3007E-05	0.055815432	2.00241E-06	5.10439E-05	0.000182155	0.000992422	0.000251151
2058 May	0.026874188	2.94747E-06	1.092183471	1.872198939	0.012555414	0.000156844	9.813887596	0.001345556	0.005016014	7.0479E-05	0.000149628	8.31195E-05	0.056000743	2.0031E-06	5.11107E-05	0.000183636	0.000993838	0.000251088
2058 Jun	0.027888784	2.99003E-06	1.094432116	1.883199215	0.013045947	0.000156874	9.776205063	0.001348266	0.005036225	7.47417E-05	0.000150385	8.32899E-05	0.056555226	1.99602E-06	5.12643E-05	0.000189432	0.000996483	0.000250367
2058 Jul	0.027964486	3.00128E-06	1.095959663	1.886366606	0.013074523	0.000157172	9.788121223	0.001351357	0.005045048	7.48499E-05	0.000150843	8.34463E-05	0.056659799	1.99836E-06	5.13914E-05	0.000189956	0.000998509	0.000251033
2058 Aug	0.028029399	3.01024E-06	1.097891569	1.89009738	0.013101844	0.00015757	9.804831505	0.001354494	0.005054254	7.49621E-05	0.000151199	8.36216E-05	0.056778103	2.00146E-06	5.15178E-05	0.000190288	0.001000209	0.000251702
2058 Sep	0.028072713	3.01778E-06	1.09828496	1.891399026	0.013111132	0.000157998	9.806222916	0.001355966	0.005058195	7.49167E-05	0.000151339	8.36786E-05	0.056831554	2.00142E-06	5.16049E-05	0.00019038	0.001000404	0.000252066
2058 Oct	0.028105147	3.02239E-06	1.098363161	1.891839027	0.013113493	0.000158279	9.804840088	0.001356463	0.005061046	7.48765E-05	0.000151366	8.36875E-05	0.056855097	2.00117E-06	5.16505E-05	0.000190417	0.001000408	0.000252168
2058 Nov	0.028111901	3.02323E-06	1.098484159	1.892077208	0.013115047	0.000158328	9.80565834	0.00135665	0.00506191	7.48797E-05	0.000151383	8.36966E-05	0.056863472	2.00135E-06	5.16607E-05	0.000190441	0.001000511	0.000252202
2058 Dec	0.028112451	3.02329E-06	1.098494649	1.892094612	0.013115154	0.000158331	9.805726051	0.001356661	0.005061986	7.48801E-05	0.000151384	8.36972E-05	0.056864083	2.00137E-06	5.16614E-05	0.000190442	0.001000521	0.000252203
2059 Jan	0.028112885	3.02331E-06	1.098497391	1.892101526	0.013115332	0.000158332	9.805727959	0.001356663	0.005062007	7.48809E-05	0.000151384	8.36972E-05	0.056864381	2.00137E-06	5.16615E-05	0.000190444	0.001000523	0.000252203
2059 Feb	0.028113384	3.02332E-06	1.098502755	1.892113447	0.013115599	0.000158332	9.805753708	0.001356667	0.00506203	7.48821E-05	0.000151385	8.36975E-05	0.05686482	2.00138E-06	5.16617E-05	0.000190447	0.001000526	0.000252203
2059 Mar	0.028113654	3.02333E-06	1.098505616	1.892120004	0.013115743	0.000158333	9.805768013	0.00135667	0.005062042	7.48828E-05	0.000151385	8.36976E-05	0.056865066	2.00138E-06	5.16618E-05	0.000190449	0.001000527	0.000252203
2059 Apr	0.028117104	3.02369E-06	1.098635912	1.892345428	0.013117363	0.000158351	9.80692482	0.00135683	0.005062642	7.4892E-05	0.000151403	8.37075E-05	0.056871865	2.00162E-06	5.16679E-05	0.000190472	0.001000645	0.000252233
2059 May	0.028267274	3.03022E-06	1.099912882	1.895327091	0.013190629	0.000158477	9.81109333	0.001358058	0.005069441	7.55192E-05	0.000151566	8.37929E-05	0.056988664	2.0026E-06	5.1719E-05	0.000191327	0.001001712	0.000252271
2059 Jun	0.028851444	3.05644E-06	1.102703929	1.903844953	0.0134723	0.000158701	9.804887772	0.001361194	0.00508752	7.79316E-05	0.000152141	8.39947E-05	0.057364281	2.00177E-06	5.18641E-05	0.000194686	0.0010045	0.000252161
2059 Jul	0.028943708	3.06757E-06	1.105566144	1.908991575	0.01351152	0.000159144	9.829431534	0.001365218	0.005101662	7.81361E-05	0.00015264	8.42282E-05	0.057523694	2.00681E-06	5.20217E-05	0.000195307	0.001007413	0.000252937
2059 Aug	0.029012371	3.07596E-06	1.107999563	1.913430572	0.0135436	0.000159556	9.851042747	0.001368653	0.005112819	7.8295E-05	0.00015303	8.44306E-05	0.057660002	2.01098E-06	5.21557E-05	0.000195739	0.001009581	0.000253631
2059 Sep	0.029053716	3.08251E-06	1.108878374	1.91543293	0.013557947	0.000159922	9.857896805	0.001370518	0.005117894	7.83069E-05	0.00015323	8.45222E-05	0.057728842	2.01201E-06	5.22456E-05	0.000195912	0.001010251	0.000254065
2059 Oct	0.029112646	3.09188E-06	1.107806206	1.914346457	0.013547325	0.000160528	9.842214584	0.001370179	0.005120302	7.80988E-05	0.000153104	8.44415E-05	0.057725348	2.00907E-06	5.23089E-05	0.000195777	0.001009107	0.000254002
2059 Nov	0.02912768	3.09379E-06	1.107813001	1.914423704	0.013547257	0.000160646	9.841114044	0.00137025	0.005121668	7.80802E-05	0.000153094	8.44378E-05	0.057732467	2.00898E-06	5.23239E-05	0.000195784	0.001009103	0.000253998

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.02912819	3.09385E-06	1.107821345	1.914437532	0.01354734	0.000160649	9.841162682	0.001370259	0.005121735	7.80805E-05	0.000153095	8.44382E-05	0.057732977	2.00899E-06	5.23245E-05	0.000195785	0.001009111	0.000253999
2060 Jan	0.029128795	3.09388E-06	1.107830048	1.91445446	0.013547596	0.000160651	9.841215134	0.001370268	0.005121783	7.80817E-05	0.000153096	8.44387E-05	0.057733584	2.09E-06	5.23249E-05	0.000195788	0.001009118	0.000254
2060 Feb	0.029129433	3.09391E-06	1.107839704	1.914474249	0.013547929	0.000160652	9.841278076	0.001370278	0.005121826	7.80833E-05	0.000153097	8.44393E-05	0.05773427	2.00901E-06	5.23253E-05	0.000195792	0.001009125	0.000254001
2060 Mar	0.029130278	3.09398E-06	1.107864022	1.914517879	0.013548342	0.000160655	9.841482162	0.001370307	0.005121937	7.80855E-05	0.0001531	8.4441E-05	0.057735629	2.00906E-06	5.23264E-05	0.000195797	0.001009146	0.000254006
2060 Apr	0.029135255	3.0945E-06	1.108048916	1.914838314	0.013550668	0.000160682	9.843117714	0.001370535	0.005122792	7.80989E-05	0.000153125	8.44551E-05	0.057745323	2.00939E-06	5.23351E-05	0.000195831	0.001009314	0.000254048
2060 May	0.029503591	3.10844E-06	1.110196352	1.920642972	0.01373147	0.000160835	9.84304142	0.00137228	0.005135065	7.96882E-05	0.000153391	8.45882E-05	0.057992294	2.00971E-06	5.24129E-05	0.000197897	0.001011006	0.000253869
2060 Jun	0.030210581	3.13862E-06	1.112518907	1.929577947	0.014076957	0.00016096	9.82494545	0.001375113	0.005151745	8.26636E-05	0.000154006	8.47683E-05	0.058412269	2.00621E-06	5.25527E-05	0.000201966	0.001013363	0.000253583
2060 Jul	0.030305948	3.15038E-06	1.115308523	1.934702754	0.01411755	0.000161407	9.848656654	0.001379224	0.005165666	8.28695E-05	0.000154529	8.50028E-05	0.058572371	2.01102E-06	5.27149E-05	0.000202613	0.001016263	0.000254392
2060 Aug	0.030368712	3.16105E-06	1.116881728	1.938041091	0.014142945	0.000161899	9.861258507	0.001382368	0.005173313	8.29216E-05	0.000154874	8.51673E-05	0.05868585	2.01311E-06	5.28495E-05	0.000202868	0.00101755	0.000255106
2060 Sep	0.030419232	3.17384E-06	1.116249323	1.937589169	0.014138459	0.000162551	9.848813057	0.001382964	0.005174827	8.27033E-05	0.000154844	8.51503E-05	0.058708765	2.01081E-06	5.2927E-05	0.000202646	0.001016784	0.000255254
2060 Oct	0.030456169	3.17924E-06	1.116150737	1.937755823	0.0141378	0.000162889	9.845115662	0.001383282	0.005177807	8.26309E-05	0.000154838	8.51424E-05	0.058727123	2.01019E-06	5.29745E-05	0.000202648	0.001016619	0.000255311
2060 Nov	0.030469012	3.18103E-06	1.116074085	1.93770957	0.014136707	0.000163002	9.843304634	0.001383287	0.005178793	8.2603E-05	0.000154821	8.51337E-05	0.058730621	2.00992E-06	5.29875E-05	0.00020264	0.001016533	0.000255301
2060 Dec	0.030469967	3.18113E-06	1.116096497	1.937747717	0.014136964	0.000163008	9.843471527	0.001383313	0.005178932	8.26043E-05	0.000154823	8.51351E-05	0.058731884	2.00996E-06	5.29888E-05	0.000202644	0.001016554	0.000255304
2061 Jan	0.030470526	3.18115E-06	1.116101146	1.937758207	0.014137194	0.000163009	9.843484879	0.001383316	0.005178962	8.26053E-05	0.000154823	8.51353E-05	0.058732305	2.00997E-06	5.2989E-05	0.000202646	0.001016557	0.000255304
2061 Feb	0.030471101	3.18117E-06	1.116106391	1.937770724	0.014137505	0.00016301	9.843505859	0.001383321	0.005178985	8.26068E-05	0.000154824	8.51355E-05	0.058732785	2.00997E-06	5.29891E-05	0.000202649	0.001016559	0.000255304
2061 Mar	0.030471727	3.18121E-06	1.116120815	1.937797546	0.014137818	0.000163011	9.843618393	0.001383337	0.00517905	8.26084E-05	0.000154826	8.51365E-05	0.058733646	2.00999E-06	5.29898E-05	0.000202653	0.001016571	0.000255307
2061 Apr	0.030476756	3.18172E-06	1.116300106	1.938109994	0.014140165	0.000163038	9.845192909	0.001383559	0.005179882	8.2622E-05	0.00015485	8.51501E-05	0.058743149	2.01031E-06	5.29983E-05	0.000202686	0.001016734	0.000255348
2061 May	0.030872282	3.19648E-06	1.118589759	1.94425118	0.014333491	0.00016319	9.844823837	0.001385306	0.005193112	8.43302E-05	0.000155118	8.52871E-05	0.059005506	2.01069E-06	5.30768E-05	0.000204897	0.001018552	0.000255114
2061 Jun	0.031577241	3.22634E-06	1.119743705	1.951729178	0.014681751	0.000163172	9.815268517	0.001387409	0.005204368	8.7322E-05	0.000155714	8.54075E-05	0.059388686	2.00445E-06	5.31913E-05	0.000208995	0.001019983	0.00025476
2061 Jul	0.031678699	3.23909E-06	1.122372866	1.956662655	0.014722198	0.000163616	9.83702755	0.001391492	0.005218025	8.75235E-05	0.00015624	8.56345E-05	0.059545472	2.00889E-06	5.33547E-05	0.000209634	0.001022794	0.00025557
2061 Aug	0.031754814	3.24812E-06	1.12485981	1.961261988	0.014757195	0.000164041	9.858848572	0.001395061	0.005229553	8.77029E-05	0.000156648	8.58434E-05	0.059687916	2.01309E-06	5.34946E-05	0.000210098	0.001025013	0.000256292
2061 Sep	0.031786896	3.25371E-06	1.125685692	1.963162541	0.014771358	0.000164343	9.865829468	0.00139688	0.00523359	8.77197E-05	0.000156852	8.59356E-05	0.059751566	2.01404E-06	5.35761E-05	0.000210257	0.001025631	0.000256733
2061 Oct	0.031820819	3.26071E-06	1.124634743	1.962093353	0.014759505	0.000164819	9.852431297	0.001396656	0.005234112	8.75098E-05	0.000156765	8.58694E-05	0.059741106	2.01124E-06	5.36281E-05	0.000210097	0.001024487	0.000256751
2061 Nov	0.031837855	3.26333E-06	1.124387026	1.961818457	0.014755929	0.000164992	9.848456383	0.001396544	0.005235145	8.74503E-05	0.000156724	8.5847E-05	0.059740711	2.01058E-06	5.36452E-05	0.000210057	0.001024228	0.000256718
2061 Dec	0.031838622	3.26341E-06	1.124402404	1.961844683	0.014756103	0.000164997	9.848563194	0.001396561	0.00523525	8.74512E-05	0.000156726	8.5848E-05	0.059741613	2.01061E-06	5.36461E-05	0.000210059	0.001024243	0.00025672
2062 Jan	0.031839255	3.26345E-06	1.124409914	1.961859822	0.014756368	0.000164998	9.848600388	0.001396568	0.005235294	8.74524E-05	0.000156726	8.58483E-05	0.059742179	2.01061E-06	5.36464E-05	0.000210062	0.001024248	0.00025672
2062 Feb	0.031839959	3.26348E-06	1.124419808	1.961880565	0.014756736	0.000165	9.84866333	0.001396578	0.005235338	8.74542E-05	0.000156727	8.58489E-05	0.059742905	2.01063E-06	5.36468E-05	0.000210066	0.001024255	0.000256721
2062 Mar	0.031841733	3.26364E-06	1.124474525	1.961977959	0.014757583	0.000165007	9.849129677	0.001396644	0.005235592	8.7459E-05	0.000156735	8.5853E-05	0.059745919	2.01072E-06	5.36494E-05	0.000210078	0.001024304	0.000256733
2062 Apr	0.03184728	3.26419E-06	1.124665856	1.962312698	0.014760166	0.000165035	9.8507967	0.001396881	0.005236481	8.74742E-05	0.000156761	8.58675E-05	0.059756141	2.01106E-06	5.36585E-05	0.000210114	0.001024477	0.000256776
2062 May	0.031862352	3.26573E-06	1.125195861	1.963237762	0.014767158	0.000165113	9.855435371	0.001397539	0.005238949	8.75156E-05	0.000156835	8.5908E-05	0.05978433	2.01201E-06	5.36837E-05	0.000210214	0.00102496	0.000256897
2062 Jun	0.03204428	3.29521E-06	1.123170376	1.959505677	0.01477002	0.00016484	9.818880081	0.001396902	0.005247921	8.74646E-05	0.000157362	8.57511E-05	0.059725489	2.00904E-06	5.37098E-05	0.000211412	0.001028493	0.000256376
2062 Jul	0.032185066	3.31769E-06	1.122975111	1.959513426	0.014788036	0.000164904	9.80681324	0.001398571	0.005257421	8.74914E-05	0.000157906	8.57683E-05	0.059759665	2.00866E-06	5.38062E-05	0.00021227	0.001031299	0.000256572
2062 Aug	0.032254469	3.32985E-06	1.123953581	1.961791396	0.014805498	0.000165384	9.812360764	0.001401042	0.005263836	8.74925E-05	0.000158156	8.58836E-05	0.059847828	2.00969E-06	5.39223E-05	0.000212377	0.001032116	0.00025712
2062 Sep	0.03229687	3.3382E-06	1.123948693	1.962409377	0.014807966	0.00016587	9.809124947	0.001402081	0.005266973	8.73819E-05	0.000158225	8.59073E-05	0.05988548	2.00885E-06	5.40029E-05	0.000212363	0.001031929	0.000257388
2062 Oct	0.032371972	3.35156E-06	1.12155664	1.959325075	0.014775444	0.000166811	9.777699471	0.001400492	0.005268717	8.69438E-05	0.000157876	8.57128E-05	0.059839491	2.00311E-06	5.40719E-05	0.000211948	0.001029464	0.000257058
2062 Nov	0.032388657	3.35348E-06	1.121660113	1.959510565	0.014775919	0.000166928	9.777432442	0.001400593	0.005270543	8.6934E-05	0.000157868	8.57129E-05	0.059849471	2.00325E-06	5.4087E-05	0.000211966	0.001029563	0.000257047
2062 Dec	0.032389447	3.35356E-06	1.121677756	1.959540844	0.014776126	0.000166932	9.777561188	0.001400613	0.005270654	8.69351E-05	0.00015787	8.57141E-05	0.059850473	2.00328E-06	5.4088E-05	0.00021197	0.001029579	0.000257049
2063 Jan	0.032390017	3.35359E-06	1.121684909	1.95955503	0.014776366	0.000166934	9.777597427	0.00140062	0.005270695	8.69362E-05	0.00015787	8.57144E-05	0.059851002	2.00329E-06	5.40884E-05	0.000211972	0.001029584	0.00025705
2063 Feb	0.032390647	3.35362E-06	1.12169385	1.959573746	0.014776694	0.000166935	9.777654648	0.001400629	0.005270736	8.69378E-05	0.000157871	8.57149E-05	0.059851658	2.0033E-06	5.40887E-05	0.000211976	0.00102959	0.000257051
2063 Mar	0.032391254	3.35366E-06	1.121707916	1.959599972	0.014776994	0.000166937	9.777765274	0.001400645	0.005270801	8.69394E-05	0.000157873	8.57159E-05	0.0598525	2.00332E-06	5.40894E-05	0.00021198	0.001029602	0.000257054
2063 Apr	0.032394379	3.35397E-06	1.121812224	1.959783077	0.014778432	0.000166952	9.778668404	0.001400775	0.00527129	8.69477E-05	0.000157888	8.57238E-05	0.059858117	2.00351E-06	5.40944E-05	0.000212	0.001029697	0.000257077
2063 May	0.032594334	3.36193E-06	1.123202443	1.963282704	0.014876662	0.000167068	9.780991554	0.001402005	0.005278903	8.78026E-05	0.000158062	8.58136E-05	0.060001288	2.00415E-06	5.41469E-05	0.000213131	0.001030819	0.000257041
2063 Jun	0.033639733	3.40873E-06	1.12419939	1.971879721	0.01536158	0.000166825	9.7269907	0.001403241	0.00529793	9.20616E-05	0.000158812	8.58735E-05	0.060496308	1.99514E-06	5.42508E-05	0.000219151	0.001033786	0.000255878
2063 Jul	0.033708028	3.42145E-06	1.124516129	1.973150015	0.01537985	0.000166976	9.726639748	0.001405481	0.00530287	9.20756E-05	0.000159264	8.59558E-05	0.060549617	1.99518E-06	5.43516E-05	0.000219655	0.00103532	0.000256411
2063 Aug	0.033789199	3.4312E-06	1.126937628	1.977640867	0.01541486	0.000167421	9.747242928	0.001408986	0.005314486	9.22523E-05	0.00015966	8.61587E-05	0.060691308	1.99922E-06	5.44917E-05	0.000220114	0.001037505	0.000257107
2063 Sep	0.033829384	3.43847E-06	1.127656937	1.979233027	0.015426078	0.000167796	9.751627922	0.001410567	0.005318981	9.22383E-05	0.00015981	8.62342E-05	0.060751904	2E-06	5.45707E-05	0.000220209	0.001038053	0.000257451
2063 Oct	0.033848919	3.44238E-06	1.127356291	1.979115844	0.0154228	0.000168061	9.747245789	0.00141079	0.00532001	9.21452E-05	0.000159806	8.62216E-05	0.060758434	1.99898E-06	5.46082E-05	0.000220162	0.001037661	0.000257538
2063 Nov	0.033856161	3.44337E-06	1.127419353	1.979274154	0.015423599	0.000168122	9.74740696	0.001410933	0.005320795	9.21396E-05	0.000159816	8.62264E-05	0.060765114	1.99904E-06	5.46188E-05	0.000220175	0.001037706	0.000257565
2063 Dec	0.03385739	3.4435E-06	1.127451062	1.979329109	0.015424006	0.000168129	9.747655869	0.001410971	0.005320973	9.21418E-05	0.00015982	8.62287E-05	0.060766883	1.99909E-06	5.46205E-05	0.000220181	0.001037736	0.000257571
2064 Jan	0.033857983	3.44353E-06	1.127458572	1.97934401	0.015424253	0.00016813	9.747696877	0.001410978	0.005321017	9.2143E-05	0.00015982	8.6229E-05	0.060767438	1.9991E-06	5.46209E-05	0.000220184	0.001037741	0.000257572
2064 Feb	0.033858724	3.44357E-06	1.12747097	1.979368925	0.015424633	0.000168132	9.747782707	0.001410992	0.005321073	9.21449E-05	0.000159822	8.62298E-05	0.060768276	1.99912E-06	5.46214E-05	0.000220188	0.001037751	0.000257574
2064 Mar	0.033860829	3.44376E-06	1.12753427	1.979481697	0.015425616	0.000168141	9.748318672	0.00141107	0.00532137	9.21506E-05	0.000159831	8.62346E-05	0.060771789	1.99923E-06	5.46244E-05	0.000220202	0.001037808	0.000257587
2064 Apr	0.033864345	3.44411E-06	1.127647638	1.979681373	0.015427229	0.000168158	9.74929142	0.001411211	0.005321905	9.21601E-05	0.000159847	8.62432E-05	0.060777947	1.99943E-06	5.46299E-05	0.000220224	0.001037912	0.000257613
2064 May	0.034159668	3.45501E-06	1.129333973	1.984314799	0.015573435	0.000168269	9.748942375	0.001412579	0.005331395	9.34467E-05	0.000160056	8.63487E-05	0.060975473	1.99956E-06	5.46903E-05	0.000221887	0.001039204	0.000257468
2064 Jun	0.035034344	3.48921E-06	1.131458402	1.994314194	0.016007682	0.000168257	9.71901989	0.001415017	0.005347693	9.72326E-05	0.000160696	8.65145E-05	0.06146707	1.99349E-06	5.48178E-05	0.000226926	0.001041237	0.00025689
2064 Jul	0.035129685	3.50179E-06	1.133329988	1.997994542	0.01603986	0.000168616	9.733267784	0.00141832	0.005358666	9.73836E-05	0.000161141	8.66867E-05	0.06158917	1.99653E-06	5.49549E-05	0.000227441	0.00104345	0.000257552
2064 Aug	0.035194695	3.51173E-06	1.134490728	2.000545263	0.01605981	0.000168976	9.741942406	0.001420827	0.005365314	9.74396E-05	0.00016142	8.68118E-05	0.061677732	1.99808E-06	5.50635E-05	0.000227626	0.001044475	0.000258113
2064 Sep	0.035234012	3.52117E-06	1.134325027	2.000766516	0.016057406	0.000169505	9.736299515	0.001421661	0.005367958	9.7278E-05	0.000161443	8.68218E-05	0.061707839	1.99698E-06	5.51382E-05	0.000227508	0.001044145	0.000258318
2064 Oct	0.035261881	3.5248E-06	1.134597421	2.001370192	0.016060388	0.000169725	9.737158775	0.001422161	0.00537111	9.72622E-05	0.000161474	8.68393E-05	0.061732955	1.99728E-06	5.51758E-05	0.00022756	0.001044363	0.000258399
2064 Nov	0.035267785	3.5254E-06	1.13477695	2.001685858	0.016062893	0.000169754	9.738669395	0.001422383	0.005371994	9.72772E-05	0.000161499	8.68527E-05	0.061742794	1.9976E-06	5.51847E-05	0.000227596	0.001044529	0.000258438
2064 Dec	0.035268519	3.52547E-06	1.13479507	2.001717329	0.016063128	0.000169758	9.738808632	0.001422405	0.005372097	9.72785E-05	0.000161501	8.6854E-05	0.061743814	1.99763E-06	5.51857E-05	0.0002276	0.001044546	0.000258442
2065 Jan	0.035268895	3.52549E-06	1.134799719	2.001726627	0.016063286	0.000169759	9.738832474	0.001422409	0.005372124	9.72792E-05	0.000161501	8.68542E-05	0.061744153	1.99764E-06	5.51859E-05	0.000227602	0.001044549	0.000258442
2065 Feb	0.035269484	3.52553E-06	1.134811044	2.001748323	0.01606358	0.000169761	9.738917351	0.001422422	0.005372177	9.72808E-05	0.000161503	8.6855E-05	0.061744891	1.99765E-06	5.51864E-05	0.000227605	0.001044558	0.000258444
2065 Mar	0.035271779	3.52575E-06	1.1348809	2.001872778	0.016064642	0.000169771	9.739509583	0.001422509	0.005372507	9.72871E-05	0.000161513	8.68603E-05	0.061748747	1.99778E-06	5.51898E-05	0.00022762	0.001044622	0.000258459
2065 Apr	0.035278078	3.52637E-06	1.135081172	2.002226353	0.016067518	0.000169801	9.741223335	0.001422759	0.005373454	9.73044E-05	0.000161541	8.68756E-05	0.061759673	1.99813E-06	5.51995E-05	0.00022766	0.001044806	0.000258505
2065 May	0.035526671	3.5362E-06	1.136815548	2.006575823	0.016189611	0.000169942	9.744156837	0.001424274	0.005382947	9.83686E-05	0.000161755	8.69867E-05	0.061937541	1.99895E-06	5.52641E-05	0.000229065	0.001046204	0.000258454
2065 Jun	0.036154315	3.56473E-06	1.138108015	2.013127327	0.01648818	0.000169913	9.719655991	0.001426135	0.005396116	0.000100947	0.000162316	8.70917E-05	0.062272709	1.99462E-06	5.53661E-05	0.000232727	0.001048317	0.00025805
2065 Jul	0.036266286	3.57878E-06	1.140792966	2.018237114	0.016533107	0.00017037	9.741285324	0.001430427	0.005410417	0.000101172	0.000162895	8.7327E-05	0.062437188	1.99906E-06	5.55393E-05	0.000233469	0.001051352	0.000258898
2065 Aug	0.036349002	3.58941E-06	1.143170714	2.022809744	0.016569894	0.000170861	9.761333466	0.001434138	0.005421672	0.000101339	0.000163316	8.75373E-05	0.062583804	2.00282E-06	5.56897E-05	0.00023393	0.001053446	0.000259666
2065 Sep	0.036379788	3.5982E-06	1.142614365	2.022706509	0.016563023	0.000171423	9.753214836	0.001434937	0.005422985	0.00010112	0.000163346	8.75315E-05	0.062602289	2.00076E-06	5.57738E-05	0.000233781	0.001052657	0.000259952
2065 Oct	0.036438484	3.60956E-06	1.140897632	2.020458221	0.016532322	0.000172255	9.730014801	0.001433842	0.00542585	0.000100719	0.000163069	8.73849E-05	0.062571011	1.99668E-06	5.58407E-05	0.000233406	0.001050854	0.000259716
2065 Nov	0.036459498	3.61234E-06	1.140833139	2.020385742	0.016529407	0.000172438	9.727529526	0.001433782	0.005427888	0.000100672	0.000163027	8.73689E-05	0.062576257	1.99646E-06	5.5859E-05	0.000233384	0.001050785	0.000259664
2065 Dec	0.036460135	3.6124E-06	1.140843868	2.020403862	0.016529528	0.000172441	9.727592468	0.001433793	0.00542797	0.000100673	0.000163028	8.73695E-05	0.062576905	1.99648E-06	5.58596E-05	0.000233386	0.001050796	0.000259665
2066 Jan	0.036460835	3.61245E-06	1.140853405	2.020422935	0.016529823	0.000172443	9.727648735	0.001433803	0.005428024	0.000100674	0.000163029	8.737E-05	0.062577583	1.99649E-06	5.58601E-05	0.000233389	0.001050803	0.000259666
2066 Feb	0.036462046	3.61253E-06	1.140878916	2.020471096	0.016530419	0.000172447	9.727843285	0.001433832	0.005428142	0.000100677	0.000163032	8.73718E-05	0.06257917	1.99653E-06	5.58613E-05	0.000233396	0.001050824	0.00025971
2066 Mar	0.036465693	3.61286E-06	1.140986204	2.020662785	0.016532099	0.000172463	9.728745461	0.001433966	0.005428651	0.000100687	0.000163048	8.73799E-05	0.06258516	1.99672E-06	5.58665E-05	0.000233419	0.001050922	0.000259695
2066 Apr	0.036470246	3.6133E-06	1.141124845	2.020909548	0.016534178	0.000172484	9.729921341	0.001434139	0.00542931	0.0001007	0.000163067	8.73905E-05	0.062592819	1.99696E-06	5.58732E-05	0.000233448	0.001051049	0.000259726
2066 May	0.036514908	3.616E-06	1.141818404	2.022285461	0.01655552	0.000172574	9.734451294	0.001434931	0.005432754	0.000100867	0.000163162	8.7441E-05	0.062640466	1.99791E-06	5.59047E-05	0.000233713	0.001051664	0.000259831
2066 Jun	0.037004363	3.64972E-06	1.141099691	2.023548365	0.016740154	0.000172309	9.694689751	0.001435198	0.005444571	0.000102441	0.000163769	8.73855E-05	0.062795319	1.99291E-06	5.5961E-05	0.000236659	0.001054791	0.000259161
2066 Jul	0.037149686	3.66883E-06	1.143749475	2.028588533	0.016787479	0.00017278	9.713479996	0.001439745	0.005461314	0.000102669	0.000164444	8.76191E-05	0.06296543	1.99738E-06	5.61517E-05	0.000237561	0.001058447	0.000260008
2066 Aug	0.037236933	3.67958E-06	1.146140814	2.033174515	0.016824808	0.000173251	9.733571053	0.001443441	0.00547288	0.00010285	0.000164867	8.78284E-05	0.06311214	2.00121E-06	5.63011E-05	0.000238034	0.001060591	0.000260764
2066 Sep	0.03727391	3.68626E-06	1.146731853	2.034756422	0.016835092	0.000173637	9.737644196	0.001445094	0.005476985	0.00010282	0.000165036	8.79015E-05	0.063170061	2.00163E-06	5.63881E-05	0.000238145	0.001060966	0.000261173
2066 Oct	0.037301667	3.69148E-06	1.146335721	2.034457684	0.016827697	0.000174004	9.731406212	0.001445175	0.005478985	0.000102682	0.000164992	8.78735E-05	0.063174866	2.00043E-06	5.64326E-05	0.000238054	0.001060476	0.000261208

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.037310332	3.69301E-06	1.146248221	2.034409761	0.01682592	0.00017411	9.729837418	0.001445217	0.005479675	0.000102646	0.000164981	8.7867E-05	0.063177347	2.00015E-06	5.64458E-05	0.000238034	0.001060363	0.00026122
2066 Dec	0.037311703	3.69315E-06	1.146281838	2.034468651	0.01682638	0.000174117	9.730096817	0.001445258	0.005479866	0.000102649	0.000164985	8.78693E-05	0.063179255	2.0002E-06	5.64477E-05	0.00023804	0.001060394	0.000261226
2067 Jan	0.037312429	3.6932E-06	1.146292567	2.034489632	0.016826686	0.000174119	9.730162621	0.001445269	0.005479925	0.00010265	0.000164986	8.78699E-05	0.06318	2.00022E-06	5.64482E-05	0.000238044	0.001060402	0.000261227
2067 Feb	0.037313517	3.69327E-06	1.146314502	2.034531355	0.016827224	0.000174123	9.730327606	0.001445294	0.005480028	0.000102653	0.000164989	8.78715E-05	0.063181385	2.00025E-06	5.64492E-05	0.000238051	0.001060421	0.000261231
2067 Mar	0.037315477	3.69344E-06	1.146368384	2.03462863	0.016828131	0.000174131	9.730772018	0.001445361	0.005480283	0.000102658	0.000164997	8.78755E-05	0.063184455	2.00034E-06	5.64518E-05	0.000238063	0.001060469	0.000261243
2067 Apr	0.037319299	3.69381E-06	1.146482229	2.034831524	0.016829871	0.000174148	9.731731415	0.001445504	0.005480826	0.000102669	0.000165013	8.78842E-05	0.063190781	2.00054E-06	5.64573E-05	0.000238087	0.001060574	0.000261269
2067 May	0.03754336	3.70301E-06	1.148220181	2.039009094	0.016939566	0.000174302	9.73618412	0.001447078	0.005490186	0.000103619	0.000165227	8.79972E-05	0.06335777	2.00167E-06	5.65234E-05	0.000239358	0.001062001	0.000261265
2067 Jun	0.038118843	3.72736E-06	1.15001595	2.046055555	0.017220831	0.000174338	9.720393181	0.001449205	0.005503446	0.000106054	0.00016573	8.81341E-05	0.063692495	1.99874E-06	5.66272E-05	0.000242706	0.001063997	0.000260979
2067 Jul	0.038239624	3.74126E-06	1.152955055	2.051488161	0.017268088	0.000174827	9.743985176	0.001453493	0.005518986	0.000106316	0.000166273	8.83762E-05	0.063866943	2.00372E-06	5.68002E-05	0.000243434	0.001067104	0.000261783
2067 Aug	0.038326062	3.7528E-06	1.154659271	2.054968119	0.017296128	0.000175233	9.757261276	0.001456606	0.005528477	0.000106438	0.000166625	8.85392E-05	0.063983485	2.00631E-06	5.69313E-05	0.00024374	0.001068674	0.000262439
2067 Sep	0.038365167	3.75959E-06	1.155373931	2.056645632	0.017307535	0.000175606	9.76217556	0.001458258	0.005533012	0.000106424	0.000166791	8.86168E-05	0.06404455	2.00704E-06	5.70148E-05	0.00024386	0.001069196	0.000262821
2067 Oct	0.038392778	3.76592E-06	1.15447998	2.05561018	0.017291186	0.000176081	9.750528336	0.001457937	0.005534337	0.000106191	0.000166676	8.85504E-05	0.064032219	2.0048E-06	5.70614E-05	0.000243652	0.001068196	0.000262789
2067 Nov	0.038406573	3.7679E-06	1.154446602	2.055612564	0.017289413	0.000176214	9.749047279	0.001457968	0.005535698	0.000106156	0.000166657	8.85429E-05	0.064037256	2.00464E-06	5.70769E-05	0.000243638	0.001068146	0.000262778
2067 Dec	0.03840819	3.76807E-06	1.15448606	2.055682898	0.017289968	0.000176222	9.749353409	0.001458017	0.00553592	0.000106159	0.000166662	8.85458E-05	0.064039536	2.0047E-06	5.70791E-05	0.000243646	0.001068182	0.000262786
2068 Jan	0.038409092	3.76813E-06	1.154500484	2.055710554	0.017290354	0.000176225	9.749447823	0.001458032	0.005535998	0.000106161	0.000166664	8.85467E-05	0.064040504	2.00473E-06	5.70798E-05	0.00024365	0.001068194	0.000262788
2068 Feb	0.03841015	3.76819E-06	1.154519439	2.055747747	0.017290883	0.000176228	9.749581337	0.001458053	0.005536085	0.000106164	0.000166666	8.85479E-05	0.064041749	2.00475E-06	5.70806E-05	0.000243657	0.001068209	0.000262791
2068 Mar	0.038413584	3.7685E-06	1.154615641	2.055921078	0.017292459	0.000176242	9.750382423	0.001458174	0.005536546	0.000106173	0.00016668	8.85552E-05	0.06404721	2.00492E-06	5.70853E-05	0.000243678	0.001068297	0.000262813
2068 Apr	0.038426228	3.76973E-06	1.154991746	2.056591749	0.017298168	0.000176299	9.753549576	0.001458648	0.005538348	0.000106208	0.000166734	8.8584E-05	0.064068124	2.00557E-06	5.71039E-05	0.000243758	0.001068644	0.000262898
2068 May	0.038657364	3.77875E-06	1.156582952	2.06061697	0.017412217	0.000176425	9.756086349	0.001460035	0.005546997	0.000107203	0.000166931	8.86863E-05	0.064233035	2.00627E-06	5.71628E-05	0.000245067	0.001069912	0.000262848
2068 Jun	0.039460916	3.81143E-06	1.156832099	2.067158461	0.017805209	0.00017613	9.710699081	0.001460873	0.005556145	0.000110644	0.000167501	8.87292E-05	0.064614691	1.99737E-06	5.72299E-05	0.000249779	0.001071121	0.000262053
2068 Jul	0.039574176	3.82677E-06	1.158538461	2.070500135	0.017837005	0.000176469	9.721718788	0.001464093	0.005568137	0.00011079	0.000167982	8.88862E-05	0.064731531	2.0002E-06	5.73685E-05	0.000250384	0.001073649	0.000262653
2068 Aug	0.039676737	3.8383E-06	1.161274552	2.075577736	0.017879814	0.000176973	9.744186401	0.00146797	0.005581668	0.000111024	0.000168421	8.91108E-05	0.064894296	2.00473E-06	5.75252E-05	0.000250945	0.001076152	0.000263394
2068 Sep	0.039717261	3.84572E-06	1.1618011	2.077029228	0.017887879	0.000177409	9.74709034	0.001469535	0.005586119	0.000110969	0.000168567	8.91754E-05	0.064950623	2.00502E-06	5.76144E-05	0.000251025	0.001076466	0.000263773
2068 Oct	0.039742507	3.84926E-06	1.162020206	2.077565908	0.017889891	0.00017763	9.747608185	0.001470022	0.005588976	0.000110942	0.000168597	8.9191E-05	0.064973548	2.00521E-06	5.76519E-05	0.000251063	0.001076622	0.000263861
2068 Nov	0.039749939	3.85004E-06	1.162190557	2.077872515	0.017892329	0.00017767	9.74889946	0.001470238	0.005589966	0.000110955	0.000168619	8.92033E-05	0.064983658	2.0055E-06	5.76619E-05	0.000251098	0.001076779	0.000263897
2068 Dec	0.039751213	3.85017E-06	1.162221789	2.077927589	0.01789278	0.000177676	9.749142647	0.001470276	0.005590138	0.000110958	0.000168623	8.92055E-05	0.064985447	2.00555E-06	5.76636E-05	0.000251105	0.001076808	0.000263903
2069 Jan	0.039751776	3.8502E-06	1.162230134	2.07794404	0.01789302	0.000177678	9.749194145	0.001470285	0.005590185	0.000110959	0.000168624	8.9206E-05	0.064986028	2.00556E-06	5.7664E-05	0.000251108	0.001076815	0.000263904
2069 Feb	0.039752468	3.85024E-06	1.162242174	2.077967882	0.017893367	0.00017768	9.749279022	0.001470298	0.00559024	0.000110961	0.000168626	8.92068E-05	0.064986832	2.00558E-06	5.76645E-05	0.000251112	0.001076825	0.000263906
2069 Mar	0.039752878	3.85026E-06	1.162249684	2.077982426	0.017893571	0.000177681	9.749333382	0.001470307	0.005590275	0.000110962	0.000168627	8.92073E-05	0.064987324	2.00559E-06	5.76648E-05	0.000251114	0.001076831	0.000263907
2069 Apr	0.039756212	3.85058E-06	1.162344575	2.078152657	0.017895084	0.000177695	9.750123978	0.001470426	0.005590731	0.000110971	0.00016864	8.92145E-05	0.064992674	2.00575E-06	5.76695E-05	0.000251135	0.001076918	0.000263929
2069 May	0.039805204	3.85423E-06	1.163348198	2.080058098	0.017918177	0.00017784	9.757669449	0.001471663	0.00559561	0.000111137	0.000168786	8.92908E-05	0.065055512	2.0073E-06	5.77183E-05	0.000251434	0.001077827	0.000264129
2069 Jun	0.040151309	3.88363E-06	1.162616253	2.080135822	0.018029422	0.000177622	9.726193428	0.001471991	0.005606622	0.000112054	0.000169352	8.92336E-05	0.065141276	2.00411E-06	5.77713E-05	0.00025358	0.001081086	0.000263646
2069 Jul	0.040266857	3.89965E-06	1.164481521	2.083792448	0.018065616	0.000177966	9.738581657	0.001475537	0.005619311	0.000112213	0.000169916	8.94078E-05	0.065267555	2.00719E-06	5.79219E-05	0.000254331	0.001084002	0.000264319
2069 Aug	0.040341306	3.91037E-06	1.166270614	2.087446928	0.018095247	0.000178427	9.752977371	0.001478765	0.005628238	0.000112321	0.000170279	8.9581E-05	0.065389358	2.00978E-06	5.80575E-05	0.000254664	0.001085554	0.000265018
2069 Sep	0.040360872	3.91767E-06	1.165634394	2.087096214	0.018084195	0.000178936	9.74481678	0.00147931	0.00562895	0.000112084	0.000170279	8.9564E-05	0.06539689	2.00773E-06	5.81289E-05	0.000254471	0.001084686	0.00026525
2069 Oct	0.040401455	3.92673E-06	1.164055467	2.084842443	0.018050779	0.000179656	9.724185944	0.00147809	0.005631212	0.00011169	0.000169991	8.94223E-05	0.065358758	2.0042E-06	5.81777E-05	0.000254061	0.001083013	0.000264981
2069 Nov	0.04042631	3.92992E-06	1.164025903	2.084786177	0.018047035	0.00017987	9.721664429	0.001478001	0.005633859	0.000111636	0.000169937	8.9404E-05	0.065365411	2.00408E-06	5.81981E-05	0.000254033	0.001082981	0.000264906
2069 Dec	0.040427279	3.93001E-06	1.164044857	2.084819078	0.018047284	0.000179875	9.721795082	0.001478023	0.005633985	0.000111637	0.000169939	8.94052E-05	0.065366551	2.00412E-06	5.81992E-05	0.000254037	0.001082999	0.000264909
2070 Jan	0.040427849	3.93004E-06	1.164049149	2.084828854	0.018047519	0.000179876	9.721802711	0.001478026	0.005634014	0.000111638	0.000169939	8.94053E-05	0.065366954	2.00412E-06	5.81994E-05	0.00025404	0.001083001	0.000264909
2070 Feb	0.04042843	3.93005E-06	1.164053679	2.084840298	0.018047834	0.000179877	9.721815109	0.001478029	0.005634033	0.00011164	0.00016994	8.94054E-05	0.065367416	2.00412E-06	5.81996E-05	0.000254043	0.001083003	0.000264909
2070 Mar	0.040429901	3.93017E-06	1.164089441	2.084906101	0.018048523	0.000179882	9.722101212	0.001478073	0.005634204	0.000111644	0.000169945	8.94081E-05	0.065369532	2.00418E-06	5.82013E-05	0.000254052	0.001083035	0.000264916
2070 Apr	0.040437497	3.93087E-06	1.164296865	2.085281849	0.01805198	0.000179914	9.723812103	0.001478335	0.005635203	0.000111665	0.000169975	8.94239E-05	0.065381385	2.00453E-06	5.82116E-05	0.000254099	0.001083225	0.000264963
2070 May	0.040639121	3.93909E-06	1.165839553	2.089051962	0.018151637	0.00018005	9.727684021	0.001479774	0.005643388	0.000112522	0.000170171	8.95262E-05	0.065532155	2.00545E-06	5.82716E-05	0.000255248	0.001084467	0.000264973
2070 Jun	0.04123706	3.96301E-06	1.167852283	2.096560478	0.018446803	0.000180075	9.712800026	0.001481873	0.005657224	0.000115097	0.000170655	8.96713E-05	0.06588427	2.00269E-06	5.83718E-05	0.00025872	0.001086484	0.00026463
2070 Jul	0.041342471	3.97598E-06	1.170126319	2.100916624	0.018486595	0.000180476	9.73044014	0.001485543	0.005669867	0.000115302	0.000171151	8.98699E-05	0.066026866	2.00642E-06	5.8522E-05	0.000259368	0.001089102	0.000265341
2070 Aug	0.041428111	3.98679E-06	1.172126532	2.104870558	0.018519709	0.000180906	9.746629715	0.001488856	0.005680094	0.000115459	0.000171529	9.00514E-05	0.066156328	2.00952E-06	5.86587E-05	0.000259767	0.001090913	0.000266025
2070 Sep	0.041458353	3.99497E-06	1.171642542	2.104754686	0.018509276	0.000181478	9.739336014	0.001489499	0.005682359	0.000115225	0.00017153	9.00383E-05	0.066172078	2.00778E-06	5.87402E-05	0.000259605	0.001090197	0.000266253
2070 Oct	0.041487806	4.00126E-06	1.170852184	2.103729486	0.018491026	0.000181962	9.728348732	0.00148906	0.005684562	0.000114988	0.000171389	8.99683E-05	0.066159643	2.00589E-06	5.8783E-05	0.000259384	0.00108932	0.000266159
2070 Nov	0.041495316	4.00237E-06	1.170876384	2.103814363	0.018490719	0.000182035	9.728031158	0.001489149	0.005685382	0.000114973	0.000171389	8.99688E-05	0.066164598	2.00588E-06	5.87934E-05	0.000259384	0.001089328	0.000266172
2070 Dec	0.041495856	4.00242E-06	1.170885324	2.103829384	0.018490823	0.000182038	9.728082657	0.001489158	0.00568545	0.000114973	0.00017139	8.99693E-05	0.066165134	2.00589E-06	5.8794E-05	0.000259386	0.001089336	0.000266173
2071 Jan	0.041496307	4.00244E-06	1.170889258	2.103837967	0.018491007	0.000182039	9.728094101	0.001489162	0.005685476	0.000114974	0.00017139	8.99694E-05	0.066165484	2.00589E-06	5.87942E-05	0.000259388	0.001089338	0.000266173
2071 Feb	0.04149675	4.00245E-06	1.170892835	2.103847027	0.018491248	0.000182039	9.728107452	0.001489164	0.005685491	0.000114975	0.00017139	8.99695E-05	0.066165842	2.0059E-06	5.87943E-05	0.00025939	0.00108934	0.000266173
2071 Mar	0.041497257	4.00249E-06	1.170902371	2.103865385	0.018491497	0.000182041	9.728175163	0.001489175	0.005685535	0.000114976	0.000171391	8.99702E-05	0.066166453	2.00591E-06	5.87947E-05	0.000259393	0.001089348	0.000266174
2071 Apr	0.041500557	4.00279E-06	1.170992732	2.104028463	0.018492982	0.000182054	9.728920937	0.001489289	0.005685973	0.000114986	0.000171404	8.99771E-05	0.066171601	2.00606E-06	5.87992E-05	0.000259414	0.001089431	0.000266195
2071 May	0.041729294	4.01089E-06	1.172247291	2.107598543	0.018608231	0.000182124	9.728248596	0.001490324	0.005692786	0.000116	0.000171566	9.0058E-05	0.066324271	2.00599E-06	5.88438E-05	0.000260713	0.001090341	0.000266086
2071 Jun	0.042383809	4.0377E-06	1.173335791	2.113889694	0.018923787	0.000181962	9.699847221	0.001491429	0.005704645	0.000118781	0.000172039	9.01319E-05	0.066657834	2.00099E-06	5.89112E-05	0.000264531	0.001092162	0.000265439
2071 Jul	0.042466421	4.04972E-06	1.174722195	2.116749763	0.01895191	0.000182232	9.709551811	0.001494298	0.005713644	0.000118893	0.000172492	9.02722E-05	0.066755511	2.00314E-06	5.90318E-05	0.000265097	0.00109428	0.000266027
2071 Aug	0.042549107	4.0599E-06	1.176906109	2.120997429	0.018988281	0.00018269	9.727556229	0.001497726	0.0057241665	0.000119067	0.000172885	9.04655E-05	0.066893212	2.00652E-06	5.91719E-05	0.000265554	0.001096221	0.000266729
2071 Sep	0.042572357	4.06747E-06	1.176768184	2.121307611	0.018983793	0.000183157	9.723939896	0.001498668	0.005726051	0.000118893	0.000172936	9.04842E-05	0.066919304	2.00554E-06	5.92451E-05	0.000265428	0.001095869	0.000267006
2071 Oct	0.0425862	4.07126E-06	1.176380634	2.12097168	0.018975141	0.000183448	9.718855858	0.001498742	0.005727069	0.000118754	0.000172901	9.0461E-05	0.06691879	2.00445E-06	5.92806E-05	0.000265317	0.001095381	0.000267062
2071 Nov	0.042611938	4.07468E-06	1.176315546	2.12084198	0.018969944	0.000183682	9.715821266	0.001498599	0.005729874	0.000118687	0.000172836	9.04379E-05	0.066923939	2.00428E-06	5.93017E-05	0.000265273	0.001095315	0.000266971
2071 Dec	0.042614326	4.07495E-06	1.176324368	2.120850801	0.018969752	0.0001837	9.715699196	0.001498595	0.00573015	0.000118684	0.000172832	9.04368E-05	0.066924885	2.0043E-06	5.93034E-05	0.000265272	0.001095325	0.000266964
2072 Jan	0.042615104	4.07499E-06	1.176332235	2.120867491	0.018970072	0.000183702	9.715732574	0.001498602	0.005730199	0.000118685	0.000172832	9.04371E-05	0.066925533	2.00431E-06	5.93038E-05	0.000265276	0.00109533	0.000266964
2072 Feb	0.042615905	4.07502E-06	1.176340461	2.120886326	0.018970499	0.000183703	9.715771675	0.001498609	0.005730235	0.000118687	0.000172833	9.04375E-05	0.066926233	2.00431E-06	5.93041E-05	0.00026528	0.001095335	0.000266965
2072 Mar	0.042616591	4.07505E-06	1.176351905	2.120908976	0.018970843	0.000183704	9.715849876	0.001498622	0.005730288	0.000118689	0.000172834	9.04383E-05	0.066927008	2.00433E-06	5.93046E-05	0.000265284	0.001095344	0.000266966
2072 Apr	0.042622477	4.0756E-06	1.176510096	2.121195555	0.018973483	0.000183729	9.717147827	0.001498823	0.005731057	0.000118705	0.000172857	9.04504E-05	0.066936083	2.0046E-06	5.93125E-05	0.000265321	0.00109549	0.000267002
2072 May	0.042651959	4.0784E-06	1.177314997	2.122649908	0.018986648	0.000183854	9.723777771	0.001499848	0.005734977	0.000118788	0.000172976	9.05122E-05	0.066982053	2.00596E-06	5.93531E-05	0.000265504	0.001096239	0.000267184
2072 Jun	0.042784084	4.09987E-06	1.176298857	2.120574474	0.018990315	0.000183669	9.701961517	0.001499797	0.005743215	0.000118764	0.000173407	9.04287E-05	0.066954829	2.00483E-06	5.93827E-05	0.000266418	0.001099254	0.000266876
2072 Jul	0.04288464	4.11459E-06	1.177418232	2.122890234	0.019013204	0.000183928	9.707616806	0.001502403	0.005752941	0.000118848	0.000173829	9.05434E-05	0.067041188	2.00666E-06	5.9499E-05	0.000266914	0.001101357	0.000267367
2072 Aug	0.042934727	4.12802E-06	1.177872181	2.124123573	0.019016668	0.000184552	9.706988335	0.001504318	0.005757384	0.00011869	0.000173961	9.06187E-05	0.067106321	2.00664E-06	5.96051E-05	0.000266772	0.001101587	0.000267798
2072 Sep	0.042964231	4.13721E-06	1.177741051	2.124222994	0.019009694	0.000185077	9.701816559	0.001505066	0.005759862	0.000118493	0.000173959	9.06276E-05	0.067131884	2.00576E-06	5.96731E-05	0.000266575	0.001101277	0.000267974
2072 Oct	0.042983685	4.14309E-06	1.17664206	2.12272048	0.018985376	0.000185573	9.68827343	0.001504374	0.005760862	0.0001182	0.000173781	9.05374E-05	0.067105211	2.00327E-06	5.97108E-05	0.000266268	0.001100064	0.000267856
2072 Nov	0.042993024	4.14461E-06	1.176570654	2.122642279	0.018982699	0.000185682	9.686714172	0.001504349	0.005761814	0.000118161	0.000173758	9.05278E-05	0.067106806	2.00306E-06	5.97221E-05	0.00026624	0.001099975	0.00026784
2072 Dec	0.042993627	4.14467E-06	1.176580548	2.122659206	0.018982818	0.000185686	9.686771393	0.00150436	0.00576189	0.000118161	0.000173759	9.05284E-05	0.067107409	2.00308E-06	5.97228E-05	0.000266242	0.001099985	0.000267841
2073 Jan	0.042994168	4.1447E-06	1.17658627	2.122671127	0.018983042	0.000185687	9.686796188	0.001504365	0.005761925	0.000118162	0.000173759	9.05286E-05	0.067107864	2.00309E-06	5.9723E-05	0.000266244	0.001099989	0.000267841
2073 Feb	0.042994801	4.14472E-06	1.176594138	2.122688055	0.018983372	0.000185688	9.686841965	0.001504372	0.005761961	0.000118164	0.00017376	9.0529E-05	0.067108475	2.0031E-06	5.97233E-05	0.000266248	0.001099994	0.000267842
2073 Mar	0.042995799	4.1448E-06	1.17661643	2.12272954	0.018983839	0.000185691	9.687012672	0.0015044	0.005762068	0.000118167	0.000173763	9.05307E-05	0.067109831	2.00313E-06	5.97244E-05	0.000266254	0.001100013	0.000267846
2073 Apr	0.043008696	4.14603E-06	1.17696631	2.123361826	0.018989548	0.000185746	9.689888954	0.001504846	0.005763781	0.000118202	0.000173814	9.05575E-05	0.06712985	2.00373E-06	5.97422E-05	0.000266334	0.00110034	0.000267926
2073 May	0.043324582	4.15703E-06	1.178796887	2.128253698	0.019145856	0.000185839	9.689639091	0.001506119	0.005774033	0.000119595	0.000174009	9.0664E-05	0.067338549	2.00402E-06	5.97976E-05	0.000268108	0.001101739	0.000267703
2073 Jun	0.043967195	4.1819E-06	1.180751562	2.135725737	0.019459711	0.000185782	9.670998573	0.001507739	0.005788567	0.000122371	0.000174461	9.07869E-05	0.067699246	2.00091E-06	5.98793E-05	0.000271828	0.001103882	0.000267142
2073 Jul	0.044047933	4.19323E-06	1.182532787	2.139541626	0.019494014	0.000186151	9.685804367	0.001511298	0.005797697	0.000122513	0.000174939	9.09725E-05	0.06782335	2.00347E-06	6.00241E-05	0.000272331	0.001105784	0.000267943
2073 Aug	0.044130784	4.20367E-06	1.184466839	2.143409967	0.019527134	0.000186571	9.701510429	0.001514551	0.005807464	0.000122669	0.000175314	9.11505E-05	0.067950048	2.00641E-06	6.01582E-05	0.000272731	0.001107525	0.000268623
2073 Sep	0.04415321	4.20989E-06	1.18466568	2.144299269	0.019529579	0.000186949	9.702095985	0.001515815	0.005809756	0.00012257	0.000175428	9.11971E-05	0.067988031	2.00611E-06	6.02323E-05	0.000272715	0.001107506	0.000268974

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.044169039	4.21508E-06	1.183771133	2.143118143	0.019508792	0.000187387	9.691106796	0.001515343	0.005810743	0.000122312	0.000175291	9.11262E-05	0.067967981	2.00404E-06	6.02693E-05	0.000272453	0.001106498	0.000268909
2073 Nov	0.044176579	4.21658E-06	1.183655143	2.142987013	0.019505316	0.0001875	9.689231873	0.001515312	0.005811482	0.000122263	0.000175267	9.1115E-05	0.067967951	2.00374E-06	6.02811E-05	0.000272413	0.001106358	0.0002689
2073 Dec	0.044178028	4.21672E-06	1.183687449	2.143044472	0.019505806	0.000187507	9.689473152	0.001515351	0.005811668	0.000122266	0.000175271	9.11173E-05	0.067969851	2.00379E-06	6.02828E-05	0.00027242	0.001106388	0.000268907
2074 Jan	0.044178631	4.21676E-06	1.18369472	2.143059254	0.019506058	0.000187509	9.689509392	0.001515358	0.005811711	0.000122267	0.000175271	9.11176E-05	0.067970395	2.0038E-06	6.02832E-05	0.000272423	0.001106394	0.000268907
2074 Feb	0.044179186	4.21677E-06	1.183700204	2.143071651	0.019506352	0.00018751	9.689535141	0.001515363	0.005811734	0.000122269	0.000175272	9.11179E-05	0.067970872	2.00381E-06	6.02834E-05	0.000272426	0.001106396	0.000268907
2074 Mar	0.044180542	4.21688E-06	1.183731556	2.143130064	0.019506978	0.000187514	9.689781189	0.001515402	0.005811887	0.000122272	0.000175276	9.11202E-05	0.067972764	2.00386E-06	6.02849E-05	0.000272434	0.001106425	0.000268914
2074 Apr	0.044191509	4.21792E-06	1.184022546	2.143657684	0.019511838	0.00018756	9.692156792	0.001515774	0.005813315	0.000122303	0.000175319	9.11426E-05	0.067989528	2.00435E-06	6.02997E-05	0.000272502	0.001106696	0.00026898
2074 May	0.044640973	4.23327E-06	1.186492562	2.150510788	0.019736446	0.000187672	9.690590858	0.001517531	0.005826986	0.000124302	0.000175597	9.12898E-05	0.068284117	2.00437E-06	6.0376E-05	0.000275039	0.001108519	0.000268671
2074 Jun	0.045394868	4.25883E-06	1.187947392	2.158782959	0.020124832	0.000187484	9.66155529	0.001519012	0.005837152	0.000127728	0.00017608	9.14096E-05	0.068698086	1.998E-06	6.045E-05	0.000279456	0.001109593	0.00026806
2074 Jul	0.045504991	4.27217E-06	1.190391421	2.163576841	0.020169636	0.000187925	9.680930138	0.001523036	0.005850147	0.000127959	0.000176614	9.16287E-05	0.068854325	2.00187E-06	6.06139E-05	0.000280149	0.001112263	0.000268866
2074 Aug	0.045611471	4.2836E-06	1.193157077	2.168833256	0.020217359	0.000188427	9.703671455	0.001527035	0.00586353	0.000128228	0.00017708	9.18603E-05	0.069022968	2.00629E-06	6.07749E-05	0.00028078	0.001114781	0.000269644
2074 Sep	0.045632765	4.29053E-06	1.193083763	2.169322252	0.020213293	0.000188886	9.701398849	0.001528102	0.00586565	0.000128058	0.000177153	9.18856E-05	0.06905137	2.00543E-06	6.08533E-05	0.000280685	0.001114469	0.000269968
2074 Oct	0.045654073	4.29536E-06	1.192698956	2.168922424	0.020201469	0.000189258	9.695531845	0.001528082	0.005867833	0.000127888	0.000177087	9.18529E-05	0.069051474	2.0044E-06	6.08944E-05	0.000280545	0.001113988	0.000269975
2074 Nov	0.04565971	4.2963E-06	1.192727804	2.169025421	0.020201333	0.000189321	9.6954422	0.001528199	0.005868484	0.000127874	0.000177093	9.18556E-05	0.069056384	2.00439E-06	6.09046E-05	0.000280545	0.001113996	0.00027
2074 Dec	0.045660939	4.29642E-06	1.192754507	2.16907382	0.020201746	0.000189327	9.695640564	0.001528233	0.00586864	0.000127876	0.000177097	9.18575E-05	0.069058001	2.00444E-06	6.09061E-05	0.000280551	0.001114021	0.000270006
2075 Jan	0.045661554	4.29646E-06	1.192762017	2.16908884	0.020202003	0.000189329	9.695680618	0.001528241	0.005868684	0.000127877	0.000177097	9.18579E-05	0.069058567	2.00445E-06	6.09065E-05	0.000280554	0.001114026	0.000270006
2075 Feb	0.045662358	4.2965E-06	1.192774653	2.16911459	0.020202409	0.000189331	9.695762634	0.001528254	0.005868742	0.00012788	0.000177099	9.18587E-05	0.069059439	2.00446E-06	6.0907E-05	0.000280559	0.001114036	0.000270008
2075 Mar	0.045664687	4.2967E-06	1.192830682	2.169217825	0.020203467	0.000189339	9.696208954	0.001528325	0.005869017	0.000127886	0.000177107	9.18629E-05	0.069062777	2.00455E-06	6.09098E-05	0.000280573	0.001114087	0.00027002
2075 Apr	0.045674857	4.29764E-06	1.193093657	2.169696808	0.020207979	0.000189381	9.698339462	0.001528661	0.00587031	0.000127914	0.000177146	9.18831E-05	0.069078043	2.00499E-06	6.09232E-05	0.000280635	0.001114332	0.000270079
2075 May	0.045783877	4.30276E-06	1.194190264	2.172105074	0.020260595	0.000189499	9.703105927	0.001529753	0.005876064	0.000128359	0.000177285	9.19573E-05	0.069169149	2.00609E-06	6.0968E-05	0.000281259	0.001115274	0.000270147
2075 Jun	0.045884252	4.32628E-06	1.191479445	2.166825056	0.020232545	0.000189044	9.664707184	0.001528229	0.005879977	0.000128074	0.000177703	9.17532E-05	0.069047324	2.00248E-06	6.09472E-05	0.000282064	0.001118093	0.000269551
2075 Jul	0.045985281	4.34313E-06	1.192132473	2.16821456	0.020250056	0.0001892	9.664726257	0.00153051	0.005889422	0.000128099	0.000178202	9.1834E-05	0.069108635	2.00368E-06	6.10541E-05	0.000282723	0.001120654	0.000269949
2075 Aug	0.046058439	4.3531E-06	1.193834662	2.171728611	0.020279931	0.000189613	9.678530693	0.001533586	0.00589789	0.000128221	0.000178556	9.19994E-05	0.069224969	2.00613E-06	6.11822E-05	0.000283069	0.001122148	0.000270617
2075 Sep	0.046094313	4.35874E-06	1.194664955	2.173588753	0.020294132	0.000189917	9.685221672	0.001535302	0.005902284	0.000128246	0.000178746	9.20862E-05	0.069287956	2.00714E-06	6.12611E-05	0.000283238	0.001122794	0.000271016
2075 Oct	0.046111308	4.36226E-06	1.194533825	2.173578501	0.020288715	0.000190177	9.682549477	0.001535496	0.00590413	0.000128147	0.000178728	9.2077E-05	0.0692956	2.00664E-06	6.12955E-05	0.000283174	0.001122576	0.000271069
2075 Nov	0.046121482	4.36349E-06	1.194662094	2.173823595	0.020290002	0.000190251	9.683141708	0.001535676	0.005905367	0.000128146	0.00017874	9.20843E-05	0.069305196	2.00683E-06	6.13082E-05	0.000283197	0.001122689	0.000271093
2075 Dec	0.046122927	4.36364E-06	1.194687724	2.173868418	0.020290352	0.000190259	9.683306694	0.001535705	0.005905547	0.000128147	0.000178742	9.20859E-05	0.069306783	2.00688E-06	6.13098E-05	0.000283203	0.001122713	0.000271097
2076 Jan	0.046123672	4.36368E-06	1.19469595	2.173885584	0.02029066	0.000190261	9.683344841	0.001535713	0.005905597	0.000128149	0.000178743	9.20863E-05	0.069307432	2.00689E-06	6.13102E-05	0.000283206	0.001122719	0.000271097
2076 Feb	0.046124998	4.36376E-06	1.194719076	2.173931122	0.02029131	0.000190264	9.683506966	0.00153574	0.005905707	0.000128152	0.000178746	9.20879E-05	0.069308974	2.00692E-06	6.13112E-05	0.000283214	0.001122738	0.000271101
2076 Mar	0.046127319	4.36395E-06	1.194773078	2.174031496	0.020292368	0.000190272	9.683931351	0.001535807	0.005905972	0.000128159	0.000178754	9.20919E-05	0.069312222	2.00701E-06	6.13139E-05	0.000283228	0.001122787	0.000271113
2076 Apr	0.046133384	4.36451E-06	1.194926739	2.174312115	0.020295054	0.000190297	9.68516922	0.001536004	0.00590673	0.000128176	0.000178776	9.21037E-05	0.0693212	2.00726E-06	6.13218E-05	0.000283265	0.00112293	0.000271147
2076 May	0.046350669	4.373E-06	1.196534753	2.178220272	0.020401802	0.000190423	9.688648224	0.001537364	0.005915407	0.000129109	0.000178963	9.2205E-05	0.069479138	2.00821E-06	6.13788E-05	0.000284495	0.00112423	0.000271102
2076 Jun	0.047040373	4.3989E-06	1.197809577	2.185092449	0.020741245	0.000190211	9.660291672	0.001538364	0.005927227	0.000132126	0.000179413	9.22863E-05	0.069836318	2.00306E-06	6.14369E-05	0.000288529	0.001125946	0.000270372
2076 Jul	0.047117732	4.41041E-06	1.19922781	2.188165188	0.020770356	0.000190509	9.671107292	0.001541447	0.005935574	0.000132234	0.000179871	9.24393E-05	0.069939241	2.00511E-06	6.15648E-05	0.000289044	0.001127848	0.000271051
2076 Aug	0.047213968	4.42181E-06	1.201554894	2.192689896	0.020810768	0.000190997	9.689733505	0.001545062	0.005947173	0.000132439	0.000180286	9.26423E-05	0.070087627	2.0087E-06	6.17139E-05	0.000289553	0.001129954	0.000271772
2076 Sep	0.047252025	4.42762E-06	1.20239222	2.19454813	0.020824786	0.000191312	9.696304321	0.001546755	0.00595182	0.000132463	0.000180469	9.27274E-05	0.070151061	2.00973E-06	6.17935E-05	0.000289723	0.001130612	0.000272158
2076 Oct	0.047254819	4.43125E-06	1.201597929	2.193511009	0.020805638	0.000191652	9.687493324	0.001546406	0.005951826	0.000132229	0.000180365	9.26713E-05	0.070130453	2.00792E-06	6.18228E-05	0.000289474	0.001129694	0.000272145
2076 Nov	0.047260437	4.43244E-06	1.201522231	2.193433523	0.020802848	0.000191744	9.686206818	0.001546405	0.005952455	0.00013219	0.000180348	9.26639E-05	0.070131041	2.00771E-06	6.18329E-05	0.000289441	0.001129594	0.000272144
2076 Dec	0.047261756	4.43257E-06	1.201550007	2.193483114	0.020803286	0.00019175	9.68640995	0.001546439	0.005952619	0.000132192	0.000180352	9.26658E-05	0.07013271	2.00776E-06	6.18344E-05	0.000289448	0.00112962	0.000272149
2077 Jan	0.047262304	4.4326E-06	1.201555848	2.193495274	0.020803511	0.000191751	9.686434746	0.001546444	0.005952655	0.000132193	0.000180352	9.26661E-05	0.070133172	2.00777E-06	6.18347E-05	0.00028945	0.001129624	0.00027215
2077 Feb	0.047263004	4.43263E-06	1.201565504	2.193515539	0.020803869	0.000191753	9.686493874	0.001546454	0.0059527	0.000132195	0.000180353	9.26666E-05	0.070133887	2.00778E-06	6.18351E-05	0.000289454	0.001129631	0.000272151
2077 Mar	0.047264002	4.4327E-06	1.201586485	2.193555117	0.020804336	0.000191756	9.686652184	0.00154648	0.005952801	0.000132198	0.000180356	9.26682E-05	0.070135191	2.00781E-06	6.18361E-05	0.00028946	0.00112965	0.000272155
2077 Apr	0.047271457	4.43339E-06	1.201773405	2.193897247	0.020807633	0.000191785	9.688154221	0.00154672	0.005953726	0.000132219	0.000180384	9.26825E-05	0.070146143	2.00812E-06	6.18457E-05	0.000289506	0.001129825	0.000272197
2077 May	0.047456019	4.44043E-06	1.203049779	2.197153091	0.020899851	0.000191881	9.690320015	0.001547852	0.005960475	0.000133023	0.000180545	9.27663E-05	0.070278995	2.00865E-06	6.18929E-05	0.000290559	0.001130815	0.000272168
2077 Jun	0.048033681	4.46267E-06	1.203781605	2.202559948	0.021185772	0.000191658	9.663369179	0.001548669	0.00596882	0.000135548	0.000180958	9.28247E-05	0.070569761	2.00351E-06	6.19411E-05	0.00029398	0.001132085	0.000271595
2077 Jul	0.048158895	4.47713E-06	1.206243515	2.207131624	0.021231016	0.000192069	9.681241989	0.001552375	0.005983322	0.000135804	0.000181478	9.3026E-05	0.070722289	2.00766E-06	6.20951E-05	0.000294766	0.001135131	0.000272246
2077 Aug	0.048257217	4.48873E-06	1.208686113	2.211913586	0.021274328	0.000192579	9.700989723	0.001556191	0.005995219	0.000136023	0.000181919	9.32411E-05	0.070878573	2.01139E-06	6.22518E-05	0.000295315	0.001137322	0.000273017
2077 Sep	0.048251182	4.49586E-06	1.207609653	2.210580349	0.021247065	0.00019312	9.688796043	0.001556187	0.005994059	0.000135642	0.000181818	9.31885E-05	0.070857868	2.00872E-06	6.23054E-05	0.000294866	0.001135995	0.000273144
2077 Oct	0.04827274	4.50002E-06	1.207456827	2.210481167	0.021239173	0.000193432	9.685364723	0.001556281	0.0059966	0.000135521	0.000181775	9.31707E-05	0.070864581	2.00822E-06	6.23421E-05	0.000294779	0.001135762	0.000273156
2077 Nov	0.048279505	4.50074E-06	1.207601428	2.210753679	0.021241536	0.000193467	9.686449051	0.00155648	0.005997436	0.000135533	0.000181796	9.31818E-05	0.07087367	2.00845E-06	6.23513E-05	0.000294812	0.001135895	0.000273191
2077 Dec	0.048280772	4.50086E-06	1.207628131	2.210801601	0.021241965	0.000193473	9.686645508	0.001556513	0.005997592	0.000135535	0.000181799	9.31836E-05	0.07087528	2.00849E-06	6.23528E-05	0.000294819	0.00113592	0.000273196
2078 Jan	0.048281483	4.5009E-06	1.207639217	2.210823298	0.021242268	0.000193475	9.68671608	0.001556525	0.005997652	0.000135537	0.000181801	9.31843E-05	0.070876032	2.00851E-06	6.23533E-05	0.000294822	0.001135929	0.000273198
2078 Feb	0.048282176	4.50094E-06	1.207649708	2.210844755	0.021242617	0.000193477	9.686782837	0.001556537	0.005997702	0.000135539	0.000181802	9.3185E-05	0.070876777	2.00852E-06	6.23538E-05	0.000294826	0.001135937	0.000273199
2078 Mar	0.048282966	4.501E-06	1.207665682	2.210875273	0.021242987	0.000193479	9.686903	0.001556556	0.005997779	0.000135541	0.000181804	9.31861E-05	0.07087779	2.00855E-06	6.23546E-05	0.000294831	0.001135951	0.000273202
2078 Apr	0.048296772	4.50228E-06	1.208008885	2.211504221	0.021249076	0.000193534	9.689650536	0.001556998	0.005999483	0.00013558	0.000181856	9.32126E-05	0.070897967	2.00912E-06	6.23723E-05	0.000294915	0.001136274	0.00027328
2078 May	0.04880419	4.51832E-06	1.210520506	2.218758345	0.021503717	0.00019359	9.684921265	0.001558457	0.006013531	0.000137872	0.000182105	9.33516E-05	0.071217291	2.00859E-06	6.24366E-05	0.000297769	0.001138036	0.000272801
2078 Jun	0.049359497	4.53657E-06	1.211784482	2.225384235	0.021796424	0.000193473	9.666054726	0.001559934	0.006020749	0.000140439	0.000182497	9.34657E-05	0.071537092	2.00401E-06	6.25026E-05	0.000301056	0.001138769	0.000272473
2078 Jul	0.049483526	4.55002E-06	1.214528561	2.230648041	0.021846831	0.000193956	9.687614441	0.001564053	0.006035129	0.00014073	0.000183009	9.36972E-05	0.071708806	2.00841E-06	6.26704E-05	0.000301772	0.001141537	0.000273256
2078 Aug	0.049562108	4.56109E-06	1.216094851	2.233976364	0.021874594	0.000194372	9.699832916	0.001567115	0.00604353	0.000140836	0.000183358	9.3856E-05	0.071821354	2.01061E-06	6.28001E-05	0.000302068	0.001142929	0.000273927
2078 Sep	0.049601838	4.56796E-06	1.216940999	2.235791922	0.021887606	0.000194728	9.705827713	0.001568833	0.006048313	0.00014084	0.000183531	9.39419E-05	0.071886562	2.01165E-06	6.28816E-05	0.000302197	0.001143595	0.000274305
2078 Oct	0.049608793	4.57085E-06	1.216777682	2.235819101	0.021882148	0.000194957	9.703789711	0.001569182	0.006049175	0.000140732	0.000183544	9.39416E-05	0.071892962	2.01103E-06	6.29173E-05	0.000302123	0.001143312	0.000274435
2078 Nov	0.049615622	4.5719E-06	1.216831446	2.235957384	0.021882158	0.000195027	9.703860283	0.001569318	0.006050013	0.000140719	0.000183551	9.39453E-05	0.071899109	2.01107E-06	6.29286E-05	0.000302127	0.001143344	0.000274461
2078 Dec	0.049616598	4.572E-06	1.216850519	2.235991478	0.021882454	0.000195032	9.70399189	0.001569341	0.006050132	0.00014072	0.000183553	9.39466E-05	0.071900263	2.0111E-06	6.29297E-05	0.000302131	0.001143362	0.000274464
2079 Jan	0.049617037	4.57202E-06	1.216854453	2.235999823	0.021882635	0.000195033	9.704004288	0.001569344	0.006050157	0.000140721	0.000183553	9.39467E-05	0.071900599	2.0111E-06	6.29299E-05	0.000302133	0.001143364	0.000274464
2079 Feb	0.049617466	4.57203E-06	1.21685791	2.236008644	0.021882869	0.000195033	9.704015732	0.001569346	0.006050171	0.000140722	0.000183553	9.39469E-05	0.071900941	2.0111E-06	6.293E-05	0.000302136	0.001143365	0.000274464
2079 Mar	0.049619097	4.57216E-06	1.216894031	2.236076355	0.021883614	0.000195039	9.704295158	0.001569392	0.006050349	0.000140727	0.000183559	9.39496E-05	0.071903154	2.01116E-06	6.29318E-05	0.000302145	0.001143398	0.000274471
2079 Apr	0.049627241	4.57291E-06	1.21709156	2.236439943	0.021887217	0.00019507	9.705864906	0.001569646	0.00605133	0.00014075	0.000183588	9.39648E-05	0.071914859	2.01148E-06	6.2942E-05	0.000302195	0.001143583	0.000274516
2079 May	0.049683817	4.57667E-06	1.21801281	2.238256931	0.021913635	0.000195202	9.712049484	0.00157075	0.006055982	0.00014095	0.000183721	9.40333E-05	0.071977332	2.01279E-06	6.29866E-05	0.000302528	0.00114442	0.000274674
2079 Jun	0.050028186	4.60211E-06	1.216181278	2.236546516	0.022029888	0.000194687	9.669226646	0.001569398	0.006061418	0.000141989	0.000184128	9.38846E-05	0.072013497	2.00735E-06	6.29667E-05	0.000304705	0.001146735	0.000273805
2079 Jul	0.050103862	4.61601E-06	1.216736674	2.237911463	0.022043936	0.000194847	9.670435905	0.001571635	0.006068551	0.000141984	0.000184574	9.39685E-05	0.072069056	2.00821E-06	6.30678E-05	0.0003052	0.001148693	0.000274272
2079 Aug	0.050204769	4.62763E-06	1.218919873	2.242174625	0.022082856	0.000195297	9.687457085	0.001575055	0.006079998	0.000142194	0.000184968	9.41581E-05	0.072210103	2.01161E-06	6.32097E-05	0.000305684	0.001150718	0.000274942
2079 Sep	0.050221708	4.63421E-06	1.218741059	2.242389441	0.022073708	0.000195768	9.684195518	0.001575875	0.00608211	0.000141988	0.000185	9.41682E-05	0.07222978	2.01067E-06	6.32822E-05	0.000305532	0.001150301	0.000275204
2079 Oct	0.050232965	4.638E-06	1.218325496	2.2418859	0.02206007	0.000196091	9.6787204 74	0.00157578	0.006083565	0.000141812	0.000184929	9.41344E-05	0.072224058	2.00966E-06	6.33153E-05	0.000305364	0.001149782	0.000275206
2079 Nov	0.050243467	4.64012E-06	1.21813488	2.241571665	0.022052523	0.000196264	9.675602913	0.00157559	0.006084891	0.000141726	0.000184869	9.41102E-05	0.072220385	2.00926E-06	6.33287E-05	0.000305279	0.001149567	0.000275146
2079 Dec	0.050252534	4.64167E-06	1.217969179	2.241236448	0.02204591	0.000196392	9.672807693	0.001575319	0.00608603	0.000141661	0.000184804	9.40851E-05	0.072215013	2.00898E-06	6.33347E-05	0.000305207	0.001149404	0.000275057
2080 Jan	0.050253384	4.6417E-06	1.217974424	2.241248846	0.022046255	0.000196394	9.672805786	0.00157532	0.00608607	0.000141662	0.000184804	9.40851E-05	0.072215572	2.00898E-06	6.33349E-05	0.000305211	0.001149405	0.000275055
2080 Feb	0.050254527	4.64174E-06	1.217986345	2.241276026	0.022046858	0.000196395	9.672861099	0.001575331	0.006086122	0.000141665	0.000184805	9.40857E-05	0.072216578	2.00899E-06	6.33353E-05	0.000305217	0.001149412	0.000275056
2080 Mar	0.050255232	4.64177E-06	1.217994809	2.241294384	0.022047225	0.000196396	9.672908783	0.001575339	0.006086161	0.000141667	0.000184806	9.40862E-05	0.072217248	2.009E-06	6.33357E-05	0.000305221	0.001149418	0.000275057
2080 Apr	0.050261114	4.64229E-06	1.218132734	2.241549492	0.022049837	0.000196418	9.673992157	0.001575516	0.006086847	0.000141683	0.000184826	9.40967E-05	0.072225511	2.00923E-06	6.33428E-05	0.000305257	0.001149547	0.000275087
2080 May	0.050300561	4.64572E-06	1.219017982	2.243206978	0.022067534	0.000196559	9.680862427	0.001576661	0.006091258	0.000141801	0.000184962	9.41653E-05	0.072279528	2.01064E-06	6.33888E-05	0.000305496	0.001150374	0.000275284
2080 Jun	0.050386574	4.66455E-06	1.217428565	2.23994565	0.022050722	0.000196267	9.655961037	0.001576002	0.006096379	0.000141614	0.000185333	9.40429E-05	0.072208732	2.00882E-06	6.3391E-05	0.000306179	0.001152955	0.000274915
2080 Jul	0.050469983	4.68043E-06	1.217704296	2.240751743	0.022059124	0.000196395	9.65358448	0.001578023	0.006103721	0.000141567	0.000185778	9.41044E-05	0.072250441	2.00934E-06	6.34874E-05	0.000306647	0.001154976	0.000275316
2080 Aug	0.050546035	4.69125E-06	1.219168305	2.243826866	0.022084415	0.000196801	9.664634705	0.001580856	0.006111834	0.000141659	0.000186095	9.42505E-05	0.072355859	2.01141E-06	6.36091E-05	0.00030691	0.001156288	0.000275924

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.050564066	4.69814E-06	1.219256997	2.244330168	0.022080567	0.000197219	9.663424492	0.001581845	0.006113999	0.000141505	0.00018615	9.42813E-05	0.072385222	2.01103E-06	6.36749E-05	0.000306783	0.001156169	0.000276187
2080 Oct	0.050576925	4.70209E-06	1.218895197	2.243940115	0.022067962	0.000197551	9.658450127	0.001581839	0.006115662	0.000141334	0.000186089	9.42527E-05	0.072382994	2.0101E-06	6.37115E-05	0.000306628	0.001155687	0.00027621
2080 Nov	0.050592262	4.70492E-06	1.218639135	2.243475437	0.022057438	0.000197784	9.654085159	0.001581509	0.0061176	0.000141221	0.000185996	9.42164E-05	0.072377048	2.0096E-06	6.37272E-05	0.00030651	0.001155407	0.0002761
2080 Dec	0.050594676	4.70522E-06	1.218642235	2.243472338	0.022056965	0.000197805	9.653889656	0.001581496	0.0061179	0.000141215	0.000185989	9.42146E-05	0.072377712	2.00961E-06	6.3729E-05	0.000306507	0.00115541	0.000276091
2081 Jan	0.050595567	4.70527E-06	1.218652606	2.243493795	0.022057336	0.000197808	9.653941154	0.001581506	0.006117961	0.000141217	0.00018599	9.42151E-05	0.072378509	2.00963E-06	6.37295E-05	0.000306511	0.001155418	0.000276092
2081 Feb	0.050596379	4.7053E-06	1.218660951	2.243512869	0.022057768	0.000197809	9.653981209	0.001581514	0.006117998	0.000141219	0.000185991	9.42155E-05	0.072379224	2.00963E-06	6.37298E-05	0.000306516	0.001155423	0.000276092
2081 Mar	0.050597474	4.70537E-06	1.218681097	2.24355197	0.022058286	0.000197812	9.654126167	0.001581538	0.006118096	0.000141222	0.000185994	9.42169E-05	0.072380543	2.00966E-06	6.37308E-05	0.000306522	0.00115544	0.000276096
2081 Apr	0.050606832	4.70619E-06	1.21889472	2.243950605	0.022062469	0.000197846	9.655792236	0.001581814	0.00611916	0.000141248	0.000186026	9.42332E-05	0.072393499	2.01001E-06	6.37419E-05	0.000306579	0.001155639	0.000276143
2081 May	0.050995342	4.71917E-06	1.221173048	2.250004768	0.02225619	0.000197945	9.655794144	0.001583324	0.006131629	0.000142973	0.000186254	9.43633E-05	0.072650909	2.01041E-06	6.38062E-05	0.000308766	0.001157328	0.000275852
2081 Jun	0.051415604	4.73399E-06	1.222440124	2.255465031	0.02247636	0.0001979	9.644703865	0.001584869	0.00613869	0.000144889	0.000186607	9.44739E-05	0.072904393	2.00765E-06	6.38722E-05	0.000311274	0.001158266	0.000275692
2081 Jul	0.051547028	4.74753E-06	1.225456953	2.261209249	0.022533055	0.000198414	9.66852951	0.001589222	0.006154094	0.000145227	0.000187149	9.47232E-05	0.073090948	2.01249E-06	6.40486E-05	0.000312089	0.001161277	0.000276506
2081 Aug	0.051666744	4.76007E-06	1.228335381	2.266744614	0.022586308	0.000198948	9.691592216	0.001593418	0.006168254	0.000145533	0.000187644	9.49648E-05	0.073270865	2.01699E-06	6.42192E-05	0.000312795	0.001163927	0.000277313
2081 Sep	0.051698375	4.76651E-06	1.228996634	2.26832056	0.022596166	0.000199302	9.696369171	0.001595056	0.006172093	0.000145504	0.000187809	9.50424E-05	0.07332807	2.01764E-06	6.42992E-05	0.00031288	0.001164384	0.000277707
2081 Oct	0.051712241	4.76946E-06	1.229105711	2.268761873	0.022596041	0.000199508	9.696741104	0.001595611	0.006173851	0.000145449	0.000187853	9.506E-05	0.07334619	2.01756E-06	6.43375E-05	0.000312879	0.001164385	0.000277856
2081 Nov	0.051711731	4.77087E-06	1.228751898	2.268244743	0.022586139	0.000199656	9.692846298	0.001595385	0.006173912	0.000145338	0.000187794	9.50319E-05	0.07333485	2.01681E-06	6.43477E-05	0.000312753	0.00116398	0.000277828
2081 Dec	0.051714323	4.77126E-06	1.228740215	2.268217802	0.022585185	0.000199685	9.692466736	0.00159536	0.006174242	0.000145327	0.000187785	9.50286E-05	0.07333537	2.01679E-06	6.43501E-05	0.000312743	0.001163966	0.000277815
2082 Jan	0.051715117	4.77129E-06	1.228746414	2.268231392	0.022585511	0.000199686	9.692480087	0.001595364	0.006174284	0.000145329	0.000187785	9.50287E-05	0.07333561	2.0168E-06	6.43503E-05	0.000312747	0.00116397	0.000277815
2082 Feb	0.051716257	4.77134E-06	1.228760481	2.268261671	0.022586096	0.000199688	9.692559242	0.001595378	0.006174348	0.000145332	0.000187786	9.50295E-05	0.073336706	2.01681E-06	6.43509E-05	0.000312753	0.001163979	0.000277816
2082 Mar	0.051717967	4.77146E-06	1.228793979	2.268326283	0.022586893	0.000199693	9.692806244	0.001595419	0.006174513	0.000145336	0.000187791	9.5032E-05	0.073338851	2.01686E-06	6.43525E-05	0.000312763	0.001164009	0.000277823
2082 Apr	0.051724866	4.77208E-06	1.228953838	2.268622637	0.022589935	0.000199719	9.694057465	0.001595626	0.006175315	0.000145356	0.000187815	9.50442E-05	0.07334847	2.01712E-06	6.43609E-05	0.000312805	0.001164159	0.000277859
2082 May	0.051757608	4.77509E-06	1.229724765	2.270053864	0.022604365	0.000199845	9.700131416	0.001596634	0.006179173	0.000145448	0.000187934	9.51042E-05	0.073394805	2.01838E-06	6.44015E-05	0.000313004	0.001164887	0.000278035
2082 Jun	0.051814124	4.79705E-06	1.22612679	2.262792349	0.022548595	0.000199207	9.654580116	0.00159399	0.006180148	0.000144958	0.000188276	9.48256E-05	0.073207214	2.01384E-06	6.43357E-05	0.000313595	0.001167473	0.000277216
2082 Jul	0.051886246	4.81514E-06	1.225323319	2.26140523	0.022538314	0.000199126	9.640498161	0.001594919	0.00618568	0.000144763	0.000188738	9.48004E-05	0.073185965	2.01293E-06	6.4395E-05	0.000314123	0.001169762	0.000277347
2082 Aug	0.051982332	4.82678E-06	1.227500796	2.265688181	0.022577325	0.000199616	9.65743351	0.001598394	0.006196798	0.000144955	0.000189135	9.49928E-05	0.073328733	2.01621E-06	6.45405E-05	0.000314607	0.001171744	0.000278039
2082 Sep	0.052021939	4.8332E-06	1.228310704	2.267487049	0.022590054	0.000199966	9.663383484	0.001600074	0.006201601	0.000144961	0.000189308	9.50751E-05	0.073392101	2.01718E-06	6.46224E-05	0.000314752	0.00117237	0.000278418
2082 Oct	0.051998038	4.83557E-06	1.226893783	2.265414238	0.022555407	0.000200329	9.649756432	0.001599154	0.006199114	0.000144588	0.000189115	9.49759E-05	0.073339052	2.01424E-06	6.46387E-05	0.000314286	0.001170752	0.000278345
2082 Nov	0.052005805	4.83653E-06	1.226996899	2.265616417	0.022556482	0.000200387	9.650276184	0.001599308	0.006200067	0.000144587	0.000189125	9.49824E-05	0.073346816	2.01439E-06	6.4649E-05	0.000314305	0.00117084	0.000278369
2082 Dec	0.052007299	4.83668E-06	1.227027297	2.265671253	0.02255699	0.000200394	9.650494576	0.001599345	0.006200247	0.00014459	0.000189129	9.49845E-05	0.073348664	2.01444E-06	6.46507E-05	0.000314312	0.001170869	0.000278374
2083 Jan	0.052007988	4.83672E-06	1.227036715	2.265690088	0.022557283	0.000200396	9.650548935	0.001599355	0.006200301	0.000144591	0.00018913	9.49851E-05	0.073349342	2.01445E-06	6.46512E-05	0.000314316	0.001170877	0.000278375
2083 Feb	0.052009236	4.8368E-06	1.227058887	2.265733719	0.022557871	0.000200399	9.650706291	0.001599382	0.006200409	0.000144594	0.000189133	9.49866E-05	0.07335081	2.01448E-06	6.46523E-05	0.000314323	0.001170896	0.000278379
2083 Mar	0.052011296	4.83698E-06	1.227103591	2.265817404	0.022558793	0.000200406	9.65104866	0.001599439	0.006200633	0.0001446	0.00018914	9.499E-05	0.073353574	2.01455E-06	6.46546E-05	0.000314335	0.001170937	0.000278389
2083 Apr	0.052020852	4.83786E-06	1.22732687	2.266230583	0.022562956	0.000200442	9.652799606	0.001599729	0.00620176	0.000144627	0.000189174	9.50072E-05	0.073366955	2.01492E-06	6.46663E-05	0.000314393	0.00117115	0.000278439
2083 May	0.052331988	4.8488E-06	1.229354143	2.271352768	0.02271679	0.000200557	9.654840469	0.001601171	0.006212823	0.000145996	0.000189381	9.51259E-05	0.073580153	2.01572E-06	6.47271E-05	0.000316145	0.00117272	0.00027825
2083 Jun	0.052987024	4.8699E-06	1.230568409	2.278089762	0.023051204	0.00020029	9.628497124	0.001601848	0.006221975	0.000148995	0.000189738	9.52029E-05	0.073924951	2.01047E-06	6.47634E-05	0.000319994	0.001173828	0.000277509
2083 Jul	0.053074893	4.88264E-06	1.232084036	2.281359196	0.023081716	0.00020062	9.63977623	0.001605111	0.00623119	0.000149114	0.000190208	9.53641E-05	0.074035518	2.01268E-06	6.48999E-05	0.000320505	0.001175804	0.000278217
2083 Aug	0.053162765	4.89532E-06	1.233283877	2.283905983	0.023100125	0.000201002	9.647516251	0.001607677	0.006239632	0.000149172	0.000190479	9.54862E-05	0.074127734	2.01445E-06	6.5015E-05	0.000320646	0.001176973	0.000278747
2083 Sep	0.053182602	4.90145E-06	1.233310938	2.284445763	0.023094714	0.000201443	9.646435738	0.001608642	0.006242343	0.000149008	0.000190537	9.55097E-05	0.074155092	2.01394E-06	6.50886E-05	0.000320553	0.001176759	0.000279029
2083 Oct	0.053180799	4.90589E-06	1.232119322	2.282575369	0.02305934	0.000201932	9.633075714	0.001607675	0.006242836	0.000148631	0.000190306	9.54055E-05	0.074112833	2.01154E-06	6.51156E-05	0.000320107	0.001175406	0.000278863
2083 Nov	0.053182572	4.90743E-06	1.23177886	2.282024384	0.023048647	0.000202091	9.629026413	0.001607369	0.006243268	0.000148518	0.000190232	9.53732E-05	0.074100979	2.01087E-06	6.51244E-05	0.000319975	0.001175022	0.0002788
2083 Dec	0.053183667	4.90754E-06	1.231797814	2.282058239	0.02304893	0.000202097	9.629146576	0.001607391	0.0062434	0.000148519	0.000190234	9.53744E-05	0.074102171	2.0109E-06	6.51256E-05	0.000319979	0.00117504	0.000278803
2084 Jan	0.053184275	4.90757E-06	1.231803298	2.282069921	0.023049181	0.000202098	9.629164696	0.001607395	0.006243435	0.00014852	0.000190234	9.53746E-05	0.074102648	2.01091E-06	6.51258E-05	0.000319982	0.001175043	0.000278803
2084 Feb	0.053185128	4.9076E-06	1.231814265	2.282093525	0.023049617	0.000202099	9.629228592	0.001607407	0.006243485	0.000148522	0.000190235	9.53752E-05	0.074103482	2.01092E-06	6.51263E-05	0.000319987	0.001175051	0.000278804
2084 Mar	0.053187333	4.90778E-06	1.231860518	2.282180786	0.023050608	0.000202107	9.629577637	0.001607465	0.006243717	0.000148528	0.000190242	9.53787E-05	0.074106365	2.01099E-06	6.51287E-05	0.00032	0.001175094	0.000278814
2084 Apr	0.053202104	4.90914E-06	1.232199907	2.28281045	0.023057029	0.000202162	9.632224083	0.001607908	0.006245437	0.00014857	0.000190294	9.54049E-05	0.07412684	2.01155E-06	6.51466E-05	0.000320089	0.001175417	0.00027889
2084 May	0.053617828	4.92319E-06	1.234742641	2.289440632	0.023264235	0.000202282	9.633308411	0.00160964	0.006259243	0.000150421	0.000190551	9.55524E-05	0.074406169	2.01221E-06	6.52195E-05	0.000322434	0.001177325	0.000278602
2084 Jun	0.054125339	4.93865E-06	1.235346437	2.294654846	0.023534516	0.000202031	9.610388756	0.001610328	0.006263169	0.000152816	0.000190869	9.56172E-05	0.074675575	2.00687E-06	6.52507E-05	0.000325483	0.00117763	0.000278161
2084 Jul	0.054226823	4.95127E-06	1.237363696	2.298755407	0.023574499	0.000202419	9.625906944	0.001613912	0.006274287	0.000153016	0.000191356	9.58068E-05	0.074811503	2.00993E-06	6.53985E-05	0.0003261	0.001179913	0.000278894
2084 Aug	0.054311287	4.96217E-06	1.239243269	2.302601814	0.023609232	0.000202873	9.640695572	0.001617186	0.00628376	0.000153172	0.000191733	9.59842E-05	0.074940115	2.01263E-06	6.55358E-05	0.000326512	0.001181584	0.000279583
2084 Sep	0.054321211	4.96749E-06	1.239352822	2.303197622	0.023606963	0.000203212	9.640851021	0.001618231	0.006285222	0.000153042	0.000191815	9.60216E-05	0.074967533	2.01231E-06	6.55972E-05	0.000326422	0.001181478	0.000279887
2084 Oct	0.054322381	4.97105E-06	1.238660336	2.30219388	0.023584653	0.000203575	9.632974625	0.001617833	0.006286008	0.000152788	0.00019169	9.59646E-05	0.074946903	2.01083E-06	6.56261E-05	0.000326141	0.001180649	0.000279841
2084 Nov	0.054326236	4.97246E-06	1.238460183	2.301871538	0.023577265	0.000203707	9.630331039	0.001617664	0.006286688	0.000152706	0.00019164	9.59437E-05	0.074941076	2.01043E-06	6.56356E-05	0.000326053	0.001180416	0.000279802
2084 Dec	0.054327607	4.97259E-06	1.238486409	2.301918983	0.023577707	0.000203713	9.630513191	0.001617695	0.006286849	0.000152709	0.000191643	9.59455E-05	0.074942701	2.01047E-06	6.56372E-05	0.000326059	0.001180441	0.000279807
2085 Jan	0.05432808	4.97261E-06	1.238489985	2.30192709	0.023577901	0.000203714	9.630519867	0.001617698	0.006286874	0.00015271	0.000191643	9.59456E-05	0.074943043	2.01048E-06	6.56373E-05	0.000326061	0.001180443	0.000279806
2085 Feb	0.054328881	4.97265E-06	1.238500834	2.301949978	0.023578305	0.000203716	9.630584717	0.001617709	0.006286925	0.000152712	0.000191645	9.59463E-05	0.074943848	2.01049E-06	6.56378E-05	0.000326066	0.001180451	0.000279808
2085 Mar	0.054329857	4.97272E-06	1.238519073	2.301985264	0.023578759	0.000203719	9.630716324	0.001617732	0.006287015	0.000152714	0.000191647	9.59476E-05	0.074945025	2.01052E-06	6.56387E-05	0.000326071	0.001180467	0.000279811
2085 Apr	0.054337915	4.97345E-06	1.23870039	2.302323103	0.023582272	0.000203748	9.632121086	0.001617968	0.006287934	0.000152737	0.000191675	9.59616E-05	0.074956052	2.01081E-06	6.56483E-05	0.00032612	0.001180639	0.000279852
2085 May	0.054657973	4.98448E-06	1.240698934	2.307581663	0.023743255	0.000203853	9.633558273	0.001619484	0.006298523	0.000154164	0.000191898	9.60844E-05	0.075175628	2.01131E-06	6.57112E-05	0.000327939	0.001182119	0.000279687
2085 Jun	0.055051621	4.99904E-06	1.242465496	2.313407421	0.02394633	0.000203892	9.628891945	0.001621377	0.006308066	0.000155928	0.000192256	9.62196E-05	0.075430803	2.01014E-06	6.57898E-05	0.000330273	0.001183539	0.000279594
2085 Jul	0.055172712	5.01239E-06	1.244979858	2.318368912	0.023995083	0.00020436	9.648413658	0.001625354	0.006321371	0.000156205	0.00019275	9.64393E-05	0.075594254	2.01403E-06	6.59532E-05	0.000330944	0.001186054	0.000280371
2085 Aug	0.05521309	5.02186E-06	1.245791316	2.320446968	0.024007691	0.000204766	9.654694557	0.001627803	0.006325587	0.000156161	0.000193014	9.65549E-05	0.07566911	2.01475E-06	6.6062E-05	0.000330997	0.001186622	0.000280995
2085 Sep	0.055206697	5.02794E-06	1.245125651	2.319653034	0.023983864	0.000205254	9.646994591	0.001628016	0.00632567	0.00015583	0.000192945	9.65257E-05	0.075659566	2.01305E-06	6.6115E-05	0.000330616	0.001185705	0.000281142
2085 Oct	0.055202018	5.031E-06	1.244384885	2.318580866	0.02396084	0.00020559	9.639097214	0.001627606	0.006325861	0.00015557	0.000192824	9.64686E-05	0.075635597	2.01149E-06	6.61408E-05	0.000330323	0.001184825	0.0002811
2085 Nov	0.055199005	5.03224E-06	1.243964911	2.317889452	0.02394804	0.000205742	9.634534836	0.001627226	0.006325877	0.000155439	0.000192741	9.64312E-05	0.075618908	2.01069E-06	6.61469E-05	0.000330162	0.001184359	0.000281041
2085 Dec	0.055199809	5.03232E-06	1.243976474	2.317909241	0.023948183	0.000205746	9.634594917	0.001627238	0.006325974	0.00015544	0.000192742	9.64317E-05	0.07561966	2.01071E-06	6.61477E-05	0.000330165	0.001184371	0.000281042
2086 Jan	0.055200413	5.03235E-06	1.243981481	2.317920208	0.023948431	0.000205747	9.634608269	0.001627241	0.006326007	0.000155441	0.000192742	9.64319E-05	0.075620107	2.01071E-06	6.61479E-05	0.000330167	0.001184373	0.000281042
2086 Feb	0.055201117	5.03237E-06	1.243988395	2.317936182	0.023948805	0.000205748	9.634638786	0.001627247	0.006326037	0.000155442	0.000192742	9.64322E-05	0.075620711	2.01072E-06	6.61481E-05	0.000330171	0.001184377	0.000281042
2086 Mar	0.055202365	5.03246E-06	1.24401176	2.317981482	0.023949387	0.000205752	9.634806633	0.001627276	0.006326153	0.000155446	0.000192746	9.64339E-05	0.075622231	2.01075E-06	6.61493E-05	0.000330179	0.001184398	0.000281047
2086 Apr	0.055213515	5.03346E-06	1.244260192	2.318445444	0.023954244	0.000205793	9.636724472	0.0016276	0.006327415	0.000155477	0.000192784	9.64531E-05	0.075637393	2.01115E-06	6.61624E-05	0.000330245	0.001184634	0.000281103
2086 May	0.055340674	5.03943E-06	1.245526314	2.321239471	0.024015637	0.00020593	9.642156601	0.001628868	0.006334069	0.000155995	0.000192946	9.6539E-05	0.07574331	2.0124E-06	6.62145E-05	0.000330972	0.001185721	0.000281181
2086 Jun	0.055879511	5.06094E-06	1.245866299	2.325071812	0.024269765	0.000205554	9.612215042	0.001628692	0.006342684	0.000158297	0.000193287	9.65371E-05	0.075977914	2.00774E-06	6.62217E-05	0.000334196	0.001187424	0.000280328
2086 Jul	0.055995852	5.07741E-06	1.2477597	2.328966379	0.024308236	0.00020593	9.625263214	0.001632547	0.006355095	0.000158458	0.000193884	9.6726E-05	0.076111689	2.01069E-06	6.63846E-05	0.000334941	0.001190246	0.000281108
2086 Aug	0.05607887	5.08932E-06	1.249430776	2.332509279	0.024338121	0.000206399	9.638054848	0.001635798	0.006364005	0.000158565	0.00019425	9.68948E-05	0.076232776	2.01299E-06	6.65238E-05	0.000335259	0.001191716	0.000281816
2086 Sep	0.056081817	5.09643E-06	1.249172688	2.332335234	0.024322426	0.000206877	9.63360405	0.00163644	0.006365108	0.000158297	0.000194236	9.68987E-05	0.076243334	2.01204E-06	6.65836E-05	0.000334955	0.001191218	0.000282022
2086 Oct	0.056095347	5.09953E-06	1.249176025	2.332517862	0.024317974	0.000207114	9.632638931	0.001636767	0.006367069	0.000158209	0.000194239	9.69009E-05	0.076254658	2.01184E-06	6.66184E-05	0.000334904	0.001191123	0.000282107
2086 Nov	0.056102462	5.10023E-06	1.249324203	2.332797766	0.024320714	0.000207145	9.633743286	0.001636967	0.006367889	0.000158226	0.000194261	9.69123E-05	0.076263979	2.01208E-06	6.66272E-05	0.000334943	0.001191262	0.000282141
2086 Dec	0.056103535	5.10033E-06	1.249344826	2.332835197	0.024321074	0.00020715	9.633887291	0.001636992	0.006368013	0.000158228	0.000194264	9.69137E-05	0.076265253	2.01211E-06	6.66283E-05	0.000334948	0.001191282	0.000282145
2087 Jan	0.056103989	5.10035E-06	1.249350309	2.332846403	0.024321264	0.000207151	9.633915901	0.001636997	0.006368045	0.000158229	0.000194265	9.6914E-05	0.07626567	2.01212E-06	6.66286E-05	0.00033495	0.001191286	0.000282145
2087 Feb	0.056104995	5.10042E-06	1.249367833	2.332880974	0.02432174	0.000207154	9.634037971	0.001637019	0.006368131	0.000158231	0.000194267	9.69152E-05	0.07626684	2.01214E-06	6.66295E-05	0.000334956	0.001191301	0.000282149
2087 Mar	0.056107599	5.10065E-06	1.249423027	2.332984924	0.024322888	0.000207163	9.634456635	0.00163709	0.006368412	0.000158239	0.000194275	9.69194E-05	0.076270267	2.01223E-06	6.66324E-05	0.000334971	0.001191353	0.000282161
2087 Apr	0.056113385	5.10117E-06	1.249550343	2.333223343	0.024325408	0.000207184	9.635435104	0.001637256	0.00636906	0.000158255	0.000194295	9.69293E-05	0.076278076	2.01243E-06	6.66391E-05	0.000335006	0.001191474	0.000282189
2087 May	0.056291472	5.10731E-06	1.25066185	2.336205482	0.024416115	0.000207244	9.636343002	0.001638171	0.006374778	0.000159054	0.00019443	9.70012E-05	0.076401994	2.01265E-06	6.66765E-05	0.000336027	0.001192275	0.000282124
2087 Jun	0.056783579	5.12409E-06	1.252231836	2.342303276	0.02466806	0.000207143	9.62349987	0.001639488	0.006384342	0.000161289	0.000194777	9.71098E-05	0.076688245	2.01006E-06	6.67334E-05	0.000338939	0.001193647	0.000281743
2087 Jul	0.056887962	5.13697E-06	1.254127979	2.346153021	0.024704887	0.000207527	9.637606621	0.001642867	0.006395336	0.000161477	0.000195217	9.72864E-05	0.076817691	2.01296E-06	6.68747E-05	0.000339471	0.001195752	0.000282421

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.056996018	5.14873E-06	1.256406546	2.35063076	0.024748651	0.000207984	9.655169487	0.001646378	0.006407174	0.000161725	0.000195628	9.74826E-05	0.076966301	2.01644E-06	6.70203E-05	0.000340029	0.001197874	0.0002831
2087 Sep	0.057050031	5.15594E-06	1.257502913	2.352970362	0.024767403	0.000208368	9.66343689	0.001648377	0.006413602	0.000161779	0.000195843	9.75842E-05	0.077046342	2.0179E-06	6.7116E-05	0.000340273	0.001198783	0.000283527
2087 Oct	0.057054747	5.15842E-06	1.257346272	2.352897644	0.024759868	0.000208584	9.661438942	0.001648576	0.006414611	0.000161664	0.000195832	9.75777E-05	0.077048928	2.01741E-06	6.71454E-05	0.000340177	0.001198519	0.000283607
2087 Nov	0.057057269	5.15938E-06	1.257252574	2.352766752	0.024755724	0.000208672	9.660151482	0.001648539	0.00641511	0.000161614	0.00019581	9.75685E-05	0.077047244	2.0172E-06	6.71537E-05	0.000340128	0.001198398	0.000283601
2087 Dec	0.057058323	5.15949E-06	1.257271528	2.352800608	0.024756039	0.000208677	9.660277367	0.001648561	0.006415232	0.000161616	0.000195812	9.75698E-05	0.077048428	2.01723E-06	6.71548E-05	0.000340132	0.001198416	0.000283604
2088 Jan	0.057059042	5.15953E-06	1.257281065	2.35281992	0.02475634	0.000208678	9.660331726	0.001648572	0.006415287	0.000161618	0.000195813	9.75703E-05	0.077049121	2.01724E-06	6.71553E-05	0.000340136	0.001198424	0.000283605
2088 Feb	0.057059694	5.15956E-06	1.257288694	2.352836847	0.024756676	0.000208679	9.660372734	0.001648579	0.006415322	0.00016162	0.000195814	9.75707E-05	0.077049732	2.01725E-06	6.71556E-05	0.000340139	0.001198429	0.000283606
2088 Mar	0.057062499	5.15979E-06	1.257346988	2.352946997	0.024757922	0.000208689	9.660811424	0.001648654	0.006415617	0.000161627	0.000195823	9.75752E-05	0.077053383	2.01734E-06	6.71587E-05	0.000340156	0.001198483	0.000283619
2088 Apr	0.057084586	5.16177E-06	1.257829309	2.353852034	0.024767557	0.000208769	9.664506912	0.001649286	0.006418072	0.00016169	0.000195898	9.76125E-05	0.077083051	2.01811E-06	6.71844E-05	0.000340288	0.001198941	0.000283727
2088 May	0.057145219	5.16638E-06	1.258966804	2.356078625	0.024795769	0.00020895	9.672779083	0.001650753	0.006423715	0.000161864	0.000196071	9.76984E-05	0.077157766	2.01978E-06	6.72438E-05	0.000340647	0.001199962	0.000283969
2088 Jun	0.057272643	5.18445E-06	1.257687092	2.3535588104	0.024805391	0.000208626	9.648723602	0.001650031	0.006429429	0.000161937	0.000196415	9.75885E-05	0.07711713	2.01803E-06	6.72389E-05	0.00034157	0.001202512	0.000283506
2088 Jul	0.057403415	5.20112E-06	1.259806037	2.357615232	0.024847673	0.000208996	9.662504196	0.001653667	0.006443657	0.000162153	0.000196989	9.77719E-05	0.077256635	2.02158E-06	6.73939E-05	0.00034242	0.001205716	0.000284147
2088 Aug	0.057552267	5.21621E-06	1.26309216	2.363943338	0.024911776	0.000209615	9.68789959	0.001658395	0.006460326	0.000162534	0.000197547	9.80434E-05	0.077465378	2.02667E-06	6.75885E-05	0.000343271	0.001208791	0.000285025
2088 Sep	0.057596728	5.22244E-06	1.264112711	2.366147518	0.024930594	0.000209928	9.696052551	0.00166033	0.006465537	0.000162596	0.000197766	9.81447E-05	0.077539459	2.028E-06	6.76745E-05	0.000343501	0.001209633	0.000285457
2088 Oct	0.057571024	5.2245E-06	1.262886047	2.36425519	0.024895363	0.000210277	9.684393883	0.001659467	0.006463788	0.000162227	0.000197578	9.80537E-05	0.077489696	2.02557E-06	6.76894E-05	0.000343041	0.001208224	0.000285376
2088 Nov	0.057574544	5.2258E-06	1.262735963	2.364016294	0.02488892	0.000210399	9.682336807	0.001659355	0.0064645	0.000162154	0.000197537	9.80375E-05	0.0774858	2.02527E-06	6.76993E-05	0.000342964	0.001208039	0.00028535
2088 Dec	0.05757599	5.22594E-06	1.262763262	2.364066124	0.024889398	0.000210405	9.682525635	0.001659388	0.006464667	0.000162157	0.000197541	9.80394E-05	0.077487499	2.02531E-06	6.77009E-05	0.000342971	0.001208066	0.000285355
2089 Jan	0.057576612	5.22598E-06	1.262770534	2.364081144	0.024889659	0.000210407	9.682561874	0.001659395	0.00646471	0.000162159	0.000197541	9.80398E-05	0.077488057	2.02532E-06	6.77013E-05	0.000342974	0.001208071	0.000285355
2089 Feb	0.057577502	5.22602E-06	1.262783289	2.36410737	0.024890099	0.000210409	9.682641983	0.00165941	0.006464771	0.000162161	0.000197543	9.80406E-05	0.077488989	2.02534E-06	6.77019E-05	0.000342979	0.001208081	0.000285357
2089 Mar	0.057580899	5.22631E-06	1.262854218	2.3642416	0.024891594	0.00021042	9.683176041	0.001659501	0.006465132	0.00016217	0.000197554	9.8046E-05	0.077493407	2.02545E-06	6.77056E-05	0.000342999	0.001208148	0.000285372
2089 Apr	0.057594948	5.22758E-06	1.263159752	2.364814758	0.024897693	0.000210471	9.685512543	0.001659902	0.006466695	0.00016221	0.000197601	9.80697E-05	0.077512227	2.02594E-06	6.7722E-05	0.000343083	0.001208439	0.000285441
2089 May	0.057847735	5.23667E-06	1.264858365	2.369258642	0.025026474	0.000210581	9.688107491	0.001661401	0.00647533	0.000163333	0.000197815	9.81827E-05	0.077693835	2.02648E-06	6.77829E-05	0.000344537	0.001209685	0.000285398
2089 Jun	0.05835446	5.25458E-06	1.267157197	2.37658906	0.02528603	0.0002106	9.682003975	0.001663493	0.006487965	0.000165616	0.000198222	9.83431E-05	0.078016497	2.02521E-06	6.78695E-05	0.00034752	0.001211544	0.000285157
2089 Jul	0.058472738	5.26839E-06	1.26936686	2.381019831	0.025329106	0.000211038	9.698563576	0.00166722	0.006500436	0.00016585	0.000198692	9.85421E-05	0.07816489	2.02861E-06	6.8025E-05	0.000348116	0.001213867	0.00028589
2089 Aug	0.058583107	5.28097E-06	1.271464944	2.385176659	0.025368465	0.000211483	9.714230537	0.001670603	0.006512082	0.000166069	0.000199082	9.87256E-05	0.078304887	2.03183E-06	6.81675E-05	0.000348596	0.001215859	0.000286543
2089 Sep	0.058613792	5.28715E-06	1.272006273	2.38662076	0.025374806	0.000211873	9.718203545	0.001672146	0.006516096	0.000166008	0.000199232	9.8792E-05	0.078357048	2.03224E-06	6.82517E-05	0.000348665	0.001216171	0.000286934
2089 Oct	0.058585089	5.28986E-06	1.270510435	2.38421154	0.025329776	0.000212315	9.703557014	0.001670943	0.00651451	0.000165549	0.000198974	9.86725E-05	0.078294046	2.02938E-06	6.8267E-05	0.000348087	0.00121448	0.000286776
2089 Nov	0.058592129	5.29108E-06	1.270515442	2.384232521	0.025327522	0.000212408	9.702975273	0.001670979	0.006515516	0.000165516	0.000198961	9.86689E-05	0.078297295	2.02936E-06	6.82778E-05	0.000348065	0.001214463	0.000286773
2089 Dec	0.058593813	5.29124E-06	1.270547986	2.384292126	0.025328115	0.000212415	9.703204155	0.001671019	0.006515707	0.00016552	0.000198965	9.86712E-05	0.078299321	2.02941E-06	6.82796E-05	0.000348073	0.001214495	0.000286779
2090 Jan	0.058594823	5.29131E-06	1.270564079	2.384323597	0.025328541	0.000212418	9.703308105	0.001671038	0.006515795	0.000165522	0.000198967	9.86723E-05	0.078300409	2.02944E-06	6.82805E-05	0.000348079	0.001214508	0.000286781
2090 Feb	0.058596	5.29139E-06	1.27058351	2.384362221	0.025329102	0.000212421	9.703440666	0.001671061	0.006515891	0.000165525	0.00019897	9.86736E-05	0.078301735	2.02946E-06	6.82814E-05	0.000348086	0.001214525	0.000286785
2090 Mar	0.058598675	5.29161E-06	1.270638227	2.384466171	0.025330286	0.00021243	9.703849792	0.001671132	0.006516169	0.000165533	0.000198978	9.86778E-05	0.078305177	2.02955E-06	6.82843E-05	0.000348101	0.001214576	0.000286797
2090 Apr	0.058607362	5.29239E-06	1.270824552	2.384816647	0.025334056	0.000212461	9.705267906	0.001671377	0.006517124	0.000165557	0.000199007	9.86922E-05	0.078316711	2.02985E-06	6.82943E-05	0.000348153	0.001214754	0.000286838
2090 May	0.058676761	5.29621E-06	1.271661997	2.386591911	0.0253672	0.000212569	9.709797859	0.001672323	0.00652145	0.000165825	0.000199126	9.87528E-05	0.078381322	2.03082E-06	6.8333E-05	0.000348555	0.001215494	0.000286943
2090 Jun	0.059196759	5.31483E-06	1.271878362	2.390243292	0.025619509	0.000212151	9.680055618	0.001671877	0.006528079	0.000168128	0.000199406	9.87431E-05	0.078606591	2.02588E-06	6.83246E-05	0.000351678	0.001216751	0.000286069
2090 Jul	0.059307277	5.32924E-06	1.273719668	2.393895626	0.025656579	0.000212498	9.692667007	0.001675245	0.006539907	0.000168307	0.000199913	9.89129E-05	0.078731857	2.02882E-06	6.8467E-05	0.00035236	0.00121934	0.000286712
2090 Aug	0.059319675	5.33952E-06	1.273717403	2.394236565	0.025644226	0.000212981	9.690389633	0.00167666	0.006541522	0.000168045	0.00019999	9.89587E-05	0.078760594	2.02829E-06	6.85468E-05	0.000352013	0.001219111	0.000287108
2090 Sep	0.059299089	5.34482E-06	1.272736311	2.39287138	0.025609711	0.000213498	9.680350304	0.001676508	0.006540833	0.000167623	0.000199862	9.89021E-05	0.07873217	2.0261E-06	6.85939E-05	0.000351508	0.001217846	0.000287203
2090 Oct	0.059274785	5.34867E-06	1.270956874	2.389772654	0.025552055	0.000214076	9.661650658	0.001674694	0.00654042	0.000167059	0.000199484	9.87379E-05	0.078652836	2.0229E-06	6.86056E-05	0.00035079	0.001215891	0.00028686
2090 Nov	0.059261642	5.34934E-06	1.270356655	2.388763905	0.025534198	0.000214224	9.655857086	0.00167414	0.006539599	0.000166885	0.000199376	9.86883E-05	0.078625545	2.0218E-06	6.86064E-05	0.000350561	0.001215229	0.000286775
2090 Dec	0.059263166	5.34949E-06	1.270382166	2.388809443	0.025534604	0.000214231	9.65601635	0.00167417	0.006539776	0.000166887	0.000199379	9.86899E-05	0.078627162	2.02184E-06	6.8608E-05	0.000350567	0.001215253	0.000286779
2091 Jan	0.059263915	5.34953E-06	1.27039063	2.388826847	0.025534917	0.000214233	9.65605545	0.001674178	0.006539826	0.000166889	0.000199379	9.86903E-05	0.078627817	2.02185E-06	6.86084E-05	0.000350571	0.001215259	0.00028678
2091 Feb	0.05926463	5.34955E-06	1.270397902	2.388843298	0.025535291	0.000214234	9.656090736	0.001674184	0.006539858	0.00016689	0.00019938	9.86906E-05	0.078628443	2.02186E-06	6.86086E-05	0.000350575	0.001215264	0.00028678
2091 Mar	0.059269115	5.34994E-06	1.270489693	2.38901782	0.025537262	0.000214249	9.656775475	0.001674303	0.006540328	0.000166903	0.000199394	9.86976E-05	0.078634217	2.022E-06	6.86135E-05	0.000350601	0.00121535	0.0002868
2091 Apr	0.059285872	5.35144E-06	1.270846367	2.389689445	0.025544506	0.000214309	9.659480095	0.001674773	0.006542163	0.00016695	0.00019945	9.87253E-05	0.078656353	2.02257E-06	6.86327E-05	0.0003507	0.00121569	0.00028688
2091 May	0.059458565	5.35881E-06	1.272361517	2.393170595	0.025628962	0.000214451	9.664739609	0.00167619	0.006550143	0.000167676	0.000199636	9.88253E-05	0.078791827	2.02381E-06	6.8691E-05	0.000351686	0.001216951	0.000286919
2091 Jun	0.060057323	5.3778E-06	1.274283767	2.400253296	0.025932347	0.000214271	9.648623466	0.001677177	0.006562249	0.000170416	0.000199963	9.89322E-05	0.079128951	2.02102E-06	6.8734E-05	0.000355193	0.001218661	0.000286242
2091 Jul	0.060210668	5.39364E-06	1.277290702	2.405997515	0.025993349	0.000214794	9.670721054	0.001681567	0.006578871	0.000170787	0.000200536	9.91777E-05	0.079320729	2.0258E-06	6.89161E-05	0.000356112	0.001221927	0.000287021
2091 Aug	0.060252558	5.40373E-06	1.278137922	2.407998323	0.026003744	0.00021525	9.676586151	0.001683904	0.006583644	0.000170722	0.000200768	9.92879E-05	0.079395689	2.02666E-06	6.90235E-05	0.00035613	0.001222534	0.000287588
2091 Sep	0.060258586	5.41048E-06	1.278113842	2.408098221	0.02599217	0.000215673	9.674247742	0.001684622	0.006585295	0.000170506	0.00020077	9.93045E-05	0.079413109	2.02626E-06	6.90782E-05	0.000355881	0.001222311	0.000287778
2091 Oct	0.060235538	5.41234E-06	1.277115822	2.406548023	0.025961196	0.000215984	9.664869308	0.001683948	0.006584068	0.000170181	0.000200614	9.92303E-05	0.079372063	2.02431E-06	6.90938E-05	0.000355481	0.001221152	0.000287723
2091 Nov	0.060222972	5.41373E-06	1.276325941	2.405141115	0.025935533	0.000216219	9.656673431	0.001683097	0.006583736	0.000169936	0.000200443	9.91564E-05	0.079335198	2.02293E-06	6.90953E-05	0.000355163	0.001220297	0.000287558
2091 Dec	0.060224809	5.41398E-06	1.276331902	2.405145884	0.025935121	0.000216237	9.656565666	0.001683096	0.006583988	0.000169931	0.000200439	9.91554E-05	0.079335928	2.02294E-06	6.90971E-05	0.000355159	0.001220302	0.000287553
2092 Jan	0.060225606	5.41402E-06	1.276340246	2.405163288	0.025935452	0.000216239	9.656599998	0.001683103	0.006584039	0.000169932	0.00020044	9.91558E-05	0.079336599	2.02295E-06	6.90975E-05	0.000355163	0.001220307	0.000287553
2092 Feb	0.060226854	5.41409E-06	1.276357412	2.405199289	0.025936071	0.000216241	9.656704903	0.001683122	0.006584121	0.000169935	0.000200442	9.91568E-05	0.079337873	2.02297E-06	6.90983E-05	0.00035517	0.00122032	0.000287556
2092 Mar	0.060232218	5.41454E-06	1.276466012	2.40540576	0.025938423	0.000216259	9.657513618	0.001683263	0.006584678	0.00016995	0.000200459	9.91651E-05	0.079344735	2.02314E-06	6.91041E-05	0.000355202	0.001220423	0.00028758
2092 Apr	0.060246386	5.4158E-06	1.276763558	2.405967236	0.02594455	0.00021631	9.659755707	0.001683654	0.00658621	0.00016999	0.000200505	9.91882E-05	0.079363279	2.02361E-06	6.91201E-05	0.000355285	0.001220706	0.000287646
2092 May	0.06045093	5.42364E-06	1.278322816	2.409718037	0.026045749	0.000216426	9.66353035	0.001684962	0.006594459	0.000170877	0.000200683	9.92865E-05	0.079513699	2.02458E-06	6.91738E-05	0.000356449	0.001221953	0.000287607
2092 Jun	0.061084494	5.44064E-06	1.278080821	2.413948536	0.026374616	0.000215776	9.623295784	0.001683736	0.006596707	0.000173905	0.000200902	9.92517E-05	0.07978408	2.01669E-06	6.91264E-05	0.000360283	0.001222142	0.000286465
2092 Jul	0.061131984	5.45189E-06	1.278496623	2.415150642	0.026383312	0.000215913	9.625254631	0.001685908	0.006601633	0.000173851	0.000201321	9.93354E-05	0.079829141	2.01724E-06	6.92203E-05	0.000360651	0.001223673	0.000286993
2092 Aug	0.061247572	5.46469E-06	1.280981898	2.420094013	0.026432835	0.000216447	9.644295692	0.001689793	0.006614214	0.000174119	0.000201775	9.95528E-05	0.079994433	2.0209E-06	6.93826E-05	0.000361279	0.001225943	0.000287754
2092 Sep	0.061269306	5.47036E-06	1.281457901	2.421294451	0.026437731	0.000216778	9.647675514	0.001691167	0.006617175	0.000174056	0.000201905	9.96148E-05	0.080039226	2.02128E-06	6.94525E-05	0.000361298	0.00122622	0.0002881
2092 Oct	0.061267544	5.47247E-06	1.281231642	2.421107054	0.02642793	0.000216986	9.645423889	0.001691329	0.006617691	0.00017321	0.00020189	9.96054E-05	0.080037273	2.02067E-06	6.94799E-05	0.000361171	0.001225873	0.000288187
2092 Nov	0.061269544	5.47319E-06	1.2812047	2.421098232	0.026425809	0.000217048	9.644965172	0.001691377	0.006618104	0.00017389	0.000201885	9.96035E-05	0.080038369	2.02058E-06	6.9488E-05	0.000361146	0.00122582	0.000288203
2092 Dec	0.061271306	5.47335E-06	1.281238079	2.421159983	0.026426436	0.000217056	9.645197868	0.001691419	0.0066183	0.000173894	0.000201889	9.96059E-05	0.08004047	2.02064E-06	6.94899E-05	0.000361154	0.001225852	0.00028821
2093 Jan	0.061271835	5.47338E-06	1.281243682	2.421171665	0.026426656	0.000217057	9.64522171	0.001691424	0.006618335	0.000173895	0.00020189	9.96061E-05	0.080040917	2.02064E-06	6.94902E-05	0.000361157	0.001225856	0.00028821
2093 Feb	0.061272826	5.47344E-06	1.281258702	2.421202183	0.026427133	0.000217059	9.645319939	0.001691442	0.006618408	0.000173898	0.000201892	9.96071E-05	0.080041982	2.02066E-06	6.94909E-05	0.000361163	0.001225868	0.000288212
2093 Mar	0.06128056	5.47411E-06	1.28141737	2.421503305	0.026430497	0.000217086	9.646505356	0.00169165	0.006619226	0.00017392	0.000201917	9.96194E-05	0.080051966	2.02091E-06	6.94994E-05	0.000361208	0.001226019	0.000288247
2093 Apr	0.061295889	5.47547E-06	1.281736016	2.422106266	0.026437124	0.00021714	9.648899078	0.00169207	0.006620871	0.000173963	0.000201967	9.96441E-05	0.080071911	2.02141E-06	6.95167E-05	0.000361298	0.001226323	0.000288319
2093 May	0.06147477	5.48282E-06	1.283228397	2.425605536	0.026525287	0.000217271	9.65357399	0.001693436	0.006628698	0.000174725	0.000202148	9.97421E-05	0.080209427	2.02252E-06	6.95727E-05	0.00036232	0.001227543	0.000288339
2093 Jun	0.061990693	5.49853E-06	1.284211755	2.430884838	0.026791532	0.00021698	9.633123398	0.001693834	0.006635662	0.000177132	0.000202432	9.98007E-05	0.080478653	2.01852E-06	6.95897E-05	0.00036541	0.001228532	0.000287706
2093 Jul	0.062112093	5.51273E-06	1.286409736	2.435260296	0.026836248	0.000217399	9.649084091	0.00169753	0.006648423	0.000177376	0.000202929	9.99966E-05	0.080626316	2.02192E-06	6.97445E-05	0.000366095	0.001231064	0.000288415
2093 Aug	0.062212218	5.52442E-06	1.288455009	2.439427376	0.026876785	0.000217856	9.664787292	0.001700958	0.006659023	0.000177586	0.00020333	0.000100184	0.080766052	2.02489E-06	6.9888E-05	0.00036659	0.001232931	0.000289111
2093 Sep	0.062232777	5.53005E-06	1.288828492	2.440578699	0.026878877	0.000218233	9.667638779	0.001702356	0.006662099	0.000177489	0.000203461	0.00010024	0.080808446	2.02501E-06	6.99666E-05	0.000366597	0.001233064	0.000289492
2093 Oct	0.062174745	5.53128E-06	1.286790848	2.437145948	0.026816515	0.000218681	9.649046898	0.001700551	0.006658429	0.000176883	0.000203113	0.000100078	0.080711789	2.02133E-06	6.99656E-05	0.000365796	0.001230807	0.000289252
2093 Nov	0.062171377	5.53322E-06	1.286213994	2.436049223	0.02679434	0.000218928	9.642379761	0.001699842	0.006659238	0.000176671	0.000202958	0.000100016	0.080684908	2.02038E-06	6.99716E-05	0.000365531	0.001230185	0.000289087
2093 Dec	0.062173385	5.53341E-06	1.286248446	2.436111689	0.026794935	0.000218937	9.642601013	0.001699883	0.006659466	0.000176674	0.000202962	0.000100018	0.080687106	2.02043E-06	6.99738E-05	0.00036554	0.001230218	0.000289093
2094 Jan	0.062174324	5.53347E-06	1.286260366	2.436136007	0.026795326	0.00021894	9.642665863	0.001699895	0.006659535	0.000176676	0.000202963	0.000100019	0.080687992	2.02045E-06	6.99744E-05	0.000365544	0.001230227	0.000289094
2094 Feb	0.06217524	5.53351E-06	1.286271572	2.436160326	0.026795795	0.000218941	9.642728806	0.001699907	0.006659587	0.000176679	0.000202965	0.000100019	0.080688871	2.02046E-06	6.99748E-05	0.000365549	0.001230235	0.000289095
2094 Mar	0.062179469	5.53387E-06	1.28635478	2.436319351	0.026797652	0.000218955	9.643340111	0.001700015	0.006660014	0.00017669	0.000202977	0.000100026	0.080694176	2.02059E-06	6.99793E-05	0.000365574	0.001230313	0.000289113
2094 Apr	0.062190201	5.53481E-06	1.286574244	2.436736107	0.0268023	0.000218993	9.644979477	0.001700305	0.00666115	0.000176721	0.000203012	0.000100043	0.080708005	2.02093E-06	6.99912E-05	0.000365637	0.001230522	0.000289162
2094 May	0.062425215	5.54197E-06	1.287866235	2.440392733	0.026923668	0.00021902	9.644371033	0.001701196	0.006667671	0.000177806	0.000203153	0.000100122	0.080863841	2.02084E-06	7.00266E-05	0.000366988	0.001231379	0.000289002
2094 Jun	0.062911153	5.5597E-06	1.290398598	2.447937965	0.027173042	0.000219079	9.641997337	0.001703627	0.006681131	0.000179987	0.000203591	0.000100302	0.081186652	2.02031E-06	7.01246E-05	0.000369869	0.00123347	0.000288863

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.063079618	5.57696E-06	1.293691278	2.454375267	0.02724169	0.000219676	9.666522026	0.001708576	0.006698885	0.000180403	0.000204217	0.000100578	0.08140143	2.02538E-06	7.03296E-05	0.00037084	0.001236851	0.000289775
2094 Aug	0.063245691	5.59305E-06	1.297067881	2.460910082	0.027311428	0.000220306	9.691839218	0.001713376	0.006716473	0.000180837	0.000204784	0.000100853	0.081619285	2.03056E-06	7.05288E-05	0.000371761	0.001240041	0.00029064
2094 Sep	0.06326931	5.5991E-06	1.297430634	2.462029219	0.027311843	0.000220722	9.694310188	0.001714735	0.006720067	0.000180723	0.000204902	0.000100905	0.081661597	2.03068E-06	7.06108E-05	0.000371755	0.001240162	0.000291004
2094 Oct	0.063238226	5.60095E-06	1.296353579	2.460377693	0.027276658	0.000221061	9.684696198	0.001714103	0.006718494	0.000180349	0.000204747	0.00010083	0.081616551	2.02858E-06	7.06306E-05	0.0003713	0.001238892	0.000290987
2094 Nov	0.063212097	5.60236E-06	1.295161009	2.458211899	0.027236838	0.000221376	9.672836304	0.001712799	0.006717535	0.000179976	0.000204493	0.00010072	0.081557535	2.02656E-06	7.06277E-05	0.000370806	0.00123761	0.000290743
2094 Dec	0.06321089	5.60248E-06	1.295093536	2.458089352	0.027234469	0.000221398	9.672139168	0.001712725	0.006717524	0.000179953	0.000204478	0.000100713	0.081554294	2.02645E-06	7.0628E-05	0.000370777	0.001237537	0.000290729
2095 Jan	0.063212074	5.60256E-06	1.295108914	2.458120346	0.027234962	0.000221401	9.672224045	0.001712741	0.006717613	0.000179956	0.000204479	0.000100714	0.081555426	2.02647E-06	7.06288E-05	0.000370782	0.001237549	0.000290731
2095 Feb	0.063213214	5.60261E-06	1.2951231	2.458150625	0.027235543	0.000221403	9.672305107	0.001712756	0.00671768	0.000179959	0.000204481	0.000100715	0.081556529	2.02648E-06	7.06294E-05	0.000370789	0.001237559	0.000290732
2095 Mar	0.063216038	5.60283E-06	1.29517591	2.458252668	0.027236801	0.000221411	9.672684669	0.001712824	0.00671795	0.000179967	0.000204489	0.000100719	0.081559956	2.02656E-06	7.06321E-05	0.000370805	0.001237608	0.000290743
2095 Apr	0.063229777	5.60403E-06	1.295454502	2.458782673	0.027242748	0.000221459	9.674757004	0.001713191	0.006719392	0.000180006	0.000204533	0.00010074	0.081577562	2.027E-06	7.06473E-05	0.000370886	0.001237873	0.000290805
2095 May	0.063472532	5.61188E-06	1.296900749	2.462783813	0.027368495	0.000221513	9.675390244	0.001714349	0.00672656	0.000181118	0.000204708	0.000100835	0.08174476	2.02709E-06	7.06932E-05	0.00037229	0.001238859	0.000290703
2095 Jun	0.063869208	5.62779E-06	1.299577236	2.469814777	0.027568912	0.000221685	9.679648399	0.001717042	0.006740603	0.000182847	0.000205125	0.000101024	0.082031295	2.02801E-06	7.08023E-05	0.000374624	0.001241109	0.00029073
2095 Jul	0.064045094	5.64526E-06	1.303012013	2.476527214	0.027640518	0.000222315	9.705291748	0.001722104	0.006758943	0.000183291	0.000205742	0.000101309	0.082255222	2.03329E-06	7.10123E-05	0.00037559	0.001244476	0.000291656
2095 Aug	0.064069495	5.65345E-06	1.303510666	2.478012562	0.027645219	0.000222653	9.709519386	0.001724187	0.006761598	0.000183196	0.000205964	0.000101402	0.082309231	2.03357E-06	7.11049E-05	0.000375535	0.001244758	0.000292229
2095 Sep	0.064094201	5.66036E-06	1.304059029	2.479243994	0.027649112	0.000223035	9.712814331	0.001725625	0.006765063	0.000183113	0.000206085	0.000101468	0.082358107	2.03411E-06	7.11783E-05	0.000375516	0.001245108	0.000292566
2095 Oct	0.064103507	5.6627E-06	1.304192305	2.479687214	0.027649021	0.000223204	9.713775635	0.001726165	0.006766517	0.000183065	0.000206133	0.000101488	0.08237458	2.03413E-06	7.12118E-05	0.000375515	0.001245141	0.000292715
2095 Nov	0.064097211	5.66415E-06	1.303700686	2.478783846	0.027630256	0.000223402	9.708432198	0.00172563	0.006766896	0.000182883	0.000206014	0.000101438	0.082351722	2.0333E-06	7.12178E-05	0.000375288	0.001244602	0.000292605
2095 Dec	0.064098351	5.6645E-06	1.303665519	2.478712559	0.027628254	0.000223436	9.707888603	0.001725583	0.006767167	0.000182862	0.000206	0.000101433	0.082350455	2.03325E-06	7.122E-05	0.000375265	0.001244561	0.00029259
2096 Jan	0.064099543	5.66457E-06	1.303680062	2.478742123	0.027628753	0.000223439	9.70796299	0.001725598	0.006767252	0.000182864	0.000206001	0.000101434	0.082351543	2.03326E-06	7.12207E-05	0.000375271	0.001244572	0.000292592
2096 Feb	0.064101674	5.6647E-06	1.303712964	2.47880888	0.02762977	0.000223444	9.708180428	0.001725637	0.006767415	0.00018287	0.000206006	0.000101436	0.082353868	2.03331E-06	7.12223E-05	0.000375283	0.0012446	0.000292597
2096 Mar	0.064104773	5.66495E-06	1.303770423	2.478920221	0.02763116	0.000223454	9.708591461	0.001725711	0.006767709	0.000182879	0.000206015	0.000101441	0.08235763	2.03339E-06	7.12254E-05	0.000375301	0.001244652	0.000292609
2096 Apr	0.064117879	5.66609E-06	1.304033637	2.479422092	0.027636835	0.000223499	9.710543633	0.001726058	0.006769074	0.000182916	0.000206056	0.000101461	0.082374327	2.0338E-06	7.12397E-05	0.000375378	0.001244902	0.000292668
2096 May	0.064271972	5.67197E-06	1.30521965	2.482241154	0.027712731	0.000223585	9.713460922	0.001727023	0.006775386	0.000183583	0.000206187	0.000101534	0.082487345	2.03458E-06	7.12793E-05	0.000376253	0.00124586	0.000292629
2096 Jun	0.064646333	5.68721E-06	1.303571701	2.481647253	0.02788242	0.00022286	9.672457695	0.001724892	0.006775144	0.000185186	0.000206387	0.000101394	0.082560413	2.02805E-06	7.12021E-05	0.00037866	0.001246657	0.000291575
2096 Jul	0.064754307	5.70224E-06	1.305401683	2.485455513	0.02792084	0.000223223	9.685426712	0.001728594	0.00678661	0.000185351	0.000206954	0.000101578	0.082690209	2.03082E-06	7.13576E-05	0.000379377	0.001249271	0.000292336
2096 Aug	0.064894468	5.71656E-06	1.3082726	2.491065025	0.027979994	0.000223807	9.70680809	0.001732806	0.006801478	0.000185699	0.000207446	0.000101817	0.082878791	2.03512E-06	7.15341E-05	0.000380144	0.001251944	0.000293112
2096 Sep	0.064892992	5.72181E-06	1.308118582	2.491250515	0.027966157	0.000224238	9.70514679	0.001733674	0.006802853	0.000185456	0.000207486	0.000101833	0.082892492	2.03436E-06	7.16025E-05	0.000379931	0.001251516	0.000293417
2096 Oct	0.064857289	5.7246E-06	1.30651772	2.488410234	0.027909312	0.000224748	9.689289093	0.001732093	0.006802084	0.000184904	0.000207152	0.000101689	0.082816117	2.0316E-06	7.16127E-05	0.000379225	0.00124974	0.000293147
2096 Nov	0.064865142	5.72642E-06	1.306409001	2.488164902	0.027901119	0.000224909	9.68715477	0.001731922	0.006803624	0.000184817	0.000207093	0.000101669	0.082813069	2.03144E-06	7.16245E-05	0.000379136	0.001249609	0.000293084
2096 Dec	0.064865999	5.7265E-06	1.306422234	2.488188505	0.027901327	0.000224914	9.687232018	0.001731937	0.006803722	0.000184819	0.000207094	0.000101669	0.082813933	2.03146E-06	7.16254E-05	0.000379139	0.001249622	0.000293086
2097 Jan	0.06486655	5.72653E-06	1.306427479	2.488199949	0.027901558	0.000224915	9.687250137	0.001731941	0.006803755	0.00018482	0.000207095	0.00010167	0.082814373	2.03147E-06	7.16256E-05	0.000379142	0.001249625	0.000293086
2097 Feb	0.064867117	5.72654E-06	1.306432486	2.488211632	0.02790186	0.000224915	9.687270164	0.001731945	0.006803776	0.000184821	0.000207095	0.00010167	0.082814842	2.03147E-06	7.16258E-05	0.000379145	0.001249628	0.000293086
2097 Mar	0.064869821	5.72676E-06	1.306483507	2.488310099	0.027903054	0.000224924	9.687638283	0.001732011	0.006804039	0.000184829	0.000207103	0.000101674	0.082818143	2.03154E-06	7.16285E-05	0.000379161	0.001249675	0.000293096
2097 Apr	0.064886808	5.72825E-06	1.30682385	2.488959074	0.027910382	0.000224982	9.690155029	0.001732461	0.006805809	0.000184877	0.000207157	0.0001017	0.082839757	2.03207E-06	7.16471E-05	0.00037926	0.00125	0.000293172
2097 May	0.065045789	5.73559E-06	1.308352351	2.492423058	0.027988322	0.000225146	9.696486473	0.001734042	0.006813713	0.000185533	0.000207361	0.000101807	0.08297167	2.03346E-06	7.17118E-05	0.000380176	0.001251284	0.00029328
2097 Jun	0.065470316	5.75048E-06	1.31005764	2.498078823	0.028204273	0.00022507	9.688862801	0.001735439	0.006823724	0.000187452	0.000207694	0.00010192	0.083227679	2.03213E-06	7.17679E-05	0.000382712	0.001252911	0.000292978
2097 Jul	0.065632068	5.76707E-06	1.313067436	2.503935099	0.028267389	0.00022562	9.710691452	0.001739939	0.006840494	0.000187838	0.000208265	0.000102169	0.083424844	2.0368E-06	7.19561E-05	0.000383613	0.001256076	0.000293786
2097 Aug	0.065733582	5.77882E-06	1.315104246	2.508088827	0.02830849	0.000226082	9.7261343	0.001743337	0.006851102	0.000188053	0.000208661	0.000102354	0.083564878	2.03973E-06	7.20991E-05	0.000384115	0.001257933	0.00029447
2097 Sep	0.06577495	5.78755E-06	1.316174626	2.510407448	0.02832891	0.000226415	9.734510422	0.00174536	0.00685665	0.000188123	0.00020889	0.00010246	0.083643429	2.0411E-06	7.21896E-05	0.000384364	0.001258818	0.000294918
2097 Oct	0.06577497	5.78754E-06	1.315802336	2.509917259	0.028313179	0.000226652	9.730938911	0.001745325	0.00685699	0.000187937	0.000208839	0.000102436	0.083632387	2.0403E-06	7.22143E-05	0.000384165	0.001258321	0.000294966
2097 Nov	0.06576588	5.78806E-06	1.315485001	2.509398699	0.028302141	0.000226754	9.72803688	0.001745093	0.006856637	0.000187824	0.000208785	0.000102412	0.083618149	2.03971E-06	7.22188E-05	0.000384025	0.001257954	0.000294945
2097 Dec	0.065763257	5.78807E-06	1.315414667	2.509284973	0.028299974	0.000226767	9.727454185	0.001745042	0.006856459	0.000187802	0.000208775	0.000102407	0.083614796	2.03958E-06	7.22189E-05	0.000383996	0.001257874	0.000294941
2098 Jan	0.065764382	5.78813E-06	1.315427065	2.509310722	0.028300442	0.00022677	9.727510452	0.001745054	0.006856533	0.000187804	0.000208776	0.000102407	0.083615772	2.03959E-06	7.22195E-05	0.000384002	0.001257883	0.000294942
2098 Feb	0.065765619	5.78818E-06	1.315441251	2.509341955	0.028301079	0.000226772	9.727585793	0.001745068	0.006856599	0.000187808	0.000208778	0.000102408	0.08361692	2.03961E-06	7.22201E-05	0.000384009	0.001257893	0.000294943
2098 Mar	0.065767691	5.78833E-06	1.315476894	2.509412289	0.028302027	0.000226778	9.727832794	0.001745113	0.00685678	0.000187813	0.000208783	0.000102411	0.083619319	2.03966E-06	7.22219E-05	0.00038402	0.001257924	0.00029495
2098 Apr	0.065789834	5.78936E-06	1.315752983	2.510015965	0.028313367	0.000226815	9.729417801	0.001745419	0.006858057	0.000187871	0.000208817	0.000102428	0.083641037	2.03995E-06	7.22343E-05	0.000384146	0.001258119	0.000294987
2098 May	0.066174053	5.80011E-06	1.317943096	2.516067505	0.028513039	0.000226857	9.729178429	0.001746742	0.006868758	0.000189544	0.000209009	0.000102542	0.083897397	2.03997E-06	7.22855E-05	0.000386336	0.001259445	0.000294678
2098 Jun	0.066695243	5.81117E-06	1.318137884	2.520731449	0.028802253	0.000226356	9.701442719	0.001746349	0.006869085	0.000192184	0.00020921	0.000102564	0.084153213	2.03351E-06	7.22607E-05	0.000389534	0.001259148	0.000293951
2098 Jul	0.066872768	5.82893E-06	1.321470022	2.527204037	0.028873909	0.000226951	9.725578308	0.00175125	0.006887442	0.000192628	0.000209841	0.000102838	0.084370956	2.03866E-06	7.2465E-05	0.000390575	0.001262677	0.000294822
2098 Aug	0.066921689	5.83921E-06	1.322584152	2.52974391	0.028890658	0.000227422	9.734045029	0.001753947	0.006893125	0.000192608	0.000210125	0.000102972	0.084461413	2.03992E-06	7.25847E-05	0.000390691	0.001263525	0.000295467
2098 Sep	0.066864699	5.84265E-06	1.321191907	2.527507305	0.028839985	0.000227896	9.721755981	0.00175335	0.006889989	0.000192051	0.000209933	0.000102888	0.084401987	2.03722E-06	7.26123E-05	0.000389964	0.001261843	0.000295518
2098 Oct	0.066819772	5.84437E-06	1.31959796	2.524670362	0.028783934	0.000228331	9.70676136	0.001751798	0.00688832	0.000191513	0.000209618	0.000102749	0.084322691	2.0345E-06	7.26154E-05	0.000389266	0.001260088	0.000295273
2098 Nov	0.066804618	5.84504E-06	1.319024563	2.523627758	0.028763514	0.00022849	9.701244354	0.001751201	0.006887843	0.00019132	0.000209499	0.000102697	0.084293745	2.03354E-06	7.26156E-05	0.000389013	0.001259464	0.00029517
2098 Dec	0.06680651	5.84522E-06	1.319055915	2.523685455	0.02876406	0.0002285	9.701442719	0.00175124	0.006888055	0.000191323	0.000209502	0.0001027	0.084295794	2.03359E-06	7.26176E-05	0.000389021	0.001259494	0.000295175
2099 Jan	0.066807538	5.84529E-06	1.319069386	2.523712873	0.02876449	0.000228502	9.701518059	0.001751255	0.006888133	0.000191325	0.000209504	0.0001027	0.084296778	2.03361E-06	7.26183E-05	0.000389026	0.001259505	0.000295177
2099 Feb	0.066808723	5.84535E-06	1.319085717	2.523746729	0.028765071	0.000228505	9.701617241	0.001751273	0.006888212	0.000191328	0.000209506	0.000102701	0.084297985	2.03363E-06	7.2619E-05	0.000389033	0.001259517	0.000295179
2099 Mar	0.066814788	5.84586E-06	1.319201589	2.523970127	0.028767722	0.000228525	9.702458382	0.001751425	0.006888814	0.000191345	0.000209524	0.00010271	0.08430548	2.03381E-06	7.26253E-05	0.000389068	0.001259626	0.000295204
2099 Apr	0.066861778	5.84835E-06	1.319839597	2.525328398	0.028791213	0.000228616	9.706354141	0.001752169	0.006891848	0.00019147	0.000209608	0.000102752	0.08435367	2.03455E-06	7.26554E-05	0.000389336	0.001260112	0.000295304
2099 May	0.06762287	5.86218E-06	1.323625445	2.537124395	0.029212661	0.000228565	9.701560974	0.001753872	0.006906113	0.000194322	0.000209798	0.000102875	0.084858939	2.0324E-06	7.271E-05	0.000393659	0.00126097	0.000294568
2099 Jun	0.067844912	5.87007E-06	1.324115396	2.540126324	0.029338215	0.000228468	9.694693565	0.001755059	0.006907823	0.000195392	0.000210084	0.000102949	0.084996872	2.0302E-06	7.2753E-05	0.000395107	0.001261361	0.000294645
2099 Jul	0.06800285	5.88636E-06	1.327022314	2.545859814	0.029400706	0.000229008	9.715798378	0.001759512	0.006923924	0.000195769	0.000210652	0.000103195	0.085190155	2.03463E-06	7.29391E-05	0.000395991	0.001264403	0.00029546
2099 Aug	0.068134896	5.90203E-06	1.329758048	2.551395893	0.029455857	0.00022968	9.736132622	0.001763996	0.006937943	0.000196041	0.000211162	0.000103441	0.085379094	2.03849E-06	7.31304E-05	0.000396658	0.001266845	0.000296352
2099 Sep	0.068103567	5.90577E-06	1.329132438	2.550506353	0.029428337	0.000230036	9.730574608	0.001764169	0.006936578	0.000195699	0.000211105	0.000103419	0.085359283	2.0371E-06	7.31666E-05	0.000396229	0.001265992	0.000296518
2099 Oct	0.068074644	5.90734E-06	1.32819128	2.548923969	0.029393585	0.000230345	9.722016335	0.001763456	0.006935679	0.000195349	0.00021094	0.000103345	0.085315295	2.03542E-06	7.31799E-05	0.000395794	0.001264915	0.000296446
2099 Nov	0.068052195	5.90745E-06	1.32753396	2.547751427	0.029371515	0.000230478	9.716191292	0.001762815	0.006934479	0.000195143	0.00021082	0.000103291	0.085281089	2.03432E-06	7.31763E-05	0.000395517	0.001264204	0.000296352
2099 Dec	0.068054058	5.90763E-06	1.327565551	2.547809601	0.029372102	0.000230486	9.716394424	0.001762853	0.006934683	0.000195147	0.000210824	0.000103293	0.08528313	2.03437E-06	7.31782E-05	0.000395525	0.001264234	0.000296358
2100 Jan	0.068054691	5.90766E-06	1.327571511	2.547822237	0.029372364	0.000230488	9.716415405	0.001762858	0.006934721	0.000195148	0.000210824	0.000103293	0.085283637	2.03437E-06	7.31784E-05	0.000395528	0.001264237	0.000296358
2100 Feb	0.068055458	5.90768E-06	1.327579737	2.547840834	0.029372765	0.000230489	9.716456413	0.001762865	0.006934758	0.00019515	0.000210825	0.000103293	0.085284323	2.03438E-06	7.31788E-05	0.000395532	0.001264243	0.000296358
2100 Mar	0.068056986	5.9078E-06	1.327605844	2.54789257	0.029373461	0.000230493	9.716637611	0.001762899	0.006934891	0.000195154	0.000210828	0.000103295	0.085286088	2.03442E-06	7.31801E-05	0.000395541	0.001264266	0.000296363
2100 Apr	0.068076774	5.9095E-06	1.327989817	2.548630476	0.029382024	0.000230559	9.719441414	0.001763408	0.006936896	0.000195211	0.000210889	0.000103325	0.085310817	2.035E-06	7.32012E-05	0.000395656	0.001264631	0.000296449
2100 May	0.068427026	5.92039E-06	1.330099583	2.554138422	0.029558791	0.000230613	9.72003746	0.00176468	0.006948033	0.000196808	0.000211083	0.000103443	0.085543364	2.0355E-06	7.32521E-05	0.000397647	0.001266174	0.000296153
2100 Jun	0.068858378	5.92998E-06	1.329839826	2.55714345	0.029793801	0.00023008	9.692344666	0.001763825	0.006947403	0.000198984	0.000211242	0.000103426	0.085730806	2.02958E-06	7.32102E-05	0.000400334	0.001265995	0.00029541
2100 Jul	0.068910643	5.93993E-06	1.330723524	2.559277534	0.02981225	0.000230295	9.699216843	0.0017664	0.00695306	0.000199009	0.000211657	0.000103545	0.085802719	2.03074E-06	7.33171E-05	0.000400727	0.001267474	0.000296029
2100 Aug	0.068916529	5.9476E-06	1.330951929	2.560112238	0.029806552	0.000230659	9.700915337	0.001768051	0.00695453	0.000198823	0.000211804	0.000103612	0.085837878	2.03066E-06	7.33958E-05	0.000400522	0.001267479	0.000296509
2100 Sep	0.068922505	5.95321E-06	1.331156015	2.560664892	0.02980108	0.000231004	9.701680183	0.001769044	0.006956371	0.000198671	0.000211867	0.000103651	0.085864238	2.03069E-06	7.34525E-05	0.000400378	0.001267496	0.000296772
2100 Oct	0.068932705	5.95576E-06	1.331313491	2.561146498	0.02980067	0.000231188	9.702814102	0.001769619	0.00695806	0.000198618	0.000211916	0.000103672	0.085882053	2.03076E-06	7.34885E-05	0.000400376	0.00126755	0.000296927
2100 Nov	0.06893944	5.95667E-06	1.331426263	2.561390877	0.029802255	0.000231242	9.703577042	0.001769828	0.006958887	0.000198619	0.000211936	0.000103682	0.085890748	2.03091E-06	7.35E-05	0.000400399	0.001267641	0.00029697
2100 Dec	0.068942331	5.95693E-06	1.33147943	2.561491489	0.029803369	0.000231253	9.703946114	0.001769897	0.006959189	0.000198626	0.000211944	0.000103686	0.085894175	2.03099E-06	7.35031E-05	0.000400414	0.001267691	0.000296981
2101 Jan	0.068943322	5.95699E-06	1.331493616	2.561519861	0.029803788	0.000231255	9.704032898	0.001769913	0.006959269	0.000198629	0.000211945	0.000103687	0.085895188	2.03101E-06	7.35038E-05	0.000400419	0.001267703	0.000296983
2101 Feb	0.06894397	5.95702E-06	1.331500888	2.561536074	0.029804122	0.000231256	9.704071045	0.001769921	0.006959303	0.00019863	0.000211946	0.000103687	0.085895784	2.03102E-06	7.35041E-05	0.000400423	0.001267708	0.000296984
2101 Mar	0.068945207	5.95711E-06	1.331521988	2.561577797	0.029804684	0.00023126	9.704216003	0.001769947	0.00695941	0.000198634	0.000211949	0.000103689	0.085897215	2.03105E-06	7.35052E-05	0.00040043	0.001267727	0.000296988
2101 Apr	0.068957582	5.95814E-06	1.331754327	2.562028885	0.029810125	0.0002313	9.705892563	0.001770255	0.006960616	0.000198669	0.000211986	0.000103706	0.085912399	2.03139E-06	7.3518E-05	0.000400501	0.001267945	0.000297039
2101 May	0.069284946	5.96805E-06	1.333677888	2.567128897	0.029976346	0.000231338	9.706007957	0.001771389	0.006970657	0.000200166	0.000212161	0.000103814	0.086128555	2.03172E-06	7.35629E-05	0.000402366	0.001269314	0.000296755

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.069617122	5.97739E-06	1.334193826	2.570640564	0.030156143	0.000231092	9.692289352	0.001771808	0.006973389	0.000201784	0.000212388	0.000103861	0.086305462	2.02858E-06	7.35745E-05	0.000404433	0.001269753	0.000296436
2101 Jul	0.069783442	5.99359E-06	1.337322831	2.576799631	0.03022619	0.000231653	9.715069771	0.001776429	0.006990213	0.000202219	0.000212981	0.000104121	0.086512573	2.0333E-06	7.37667E-05	0.000405428	0.001272979	0.000297268
2101 Aug	0.069928475	6.00808E-06	1.340216637	2.582608938	0.030289868	0.000232237	9.736762047	0.001780829	0.007004926	0.000202597	0.000213504	0.000104369	0.086707637	2.03748E-06	7.39501E-05	0.000406246	0.001275638	0.000298105
2101 Sep	0.069918454	6.01333E-06	1.340031505	2.582539558	0.030271975	0.000232645	9.734601974	0.001781528	0.007005814	0.000202326	0.000213515	0.00010438	0.086714208	2.03682E-06	7.4007E-05	0.000405955	0.001275219	0.000298353
2101 Oct	0.069918394	6.01573E-06	1.339888215	2.582434177	0.030261282	0.000232874	9.732989311	0.001781726	0.007006973	0.000202185	0.000213499	0.000104373	0.086714655	2.03643E-06	7.40371E-05	0.000405826	0.001274967	0.000298436
2101 Nov	0.069886856	6.0159E-06	1.338971853	2.580748558	0.030229071	0.000233067	9.724777222	0.00178077	0.007005504	0.000201888	0.000213319	0.000104294	0.086665392	2.03494E-06	7.40307E-05	0.000405425	0.001273986	0.000298283
2101 Dec	0.06988766	6.01634E-06	1.338901997	2.580584764	0.030225197	0.000233115	9.723792076	0.001780645	0.007005897	0.000201852	0.00021329	0.000104283	0.086661652	2.03486E-06	7.40321E-05	0.000405382	0.001273916	0.000298246
2102 Jan	0.069888435	6.01637E-06	1.338908076	2.580598116	0.030225514	0.000233117	9.723804474	0.001780649	0.007005938	0.000201854	0.00021329	0.000104283	0.086662211	2.03486E-06	7.40324E-05	0.000405386	0.001273919	0.000298245
2102 Feb	0.069889687	6.01643E-06	1.338922977	2.580630779	0.030226152	0.000233118	9.723885536	0.001780664	0.007006007	0.000201857	0.000213292	0.000104284	0.086663403	2.03488E-06	7.4033E-05	0.000405393	0.001273929	0.000298247
2102 Mar	0.069891833	6.01658E-06	1.338959098	2.580702305	0.03022713	0.000233124	9.724132538	0.00178071	0.007006192	0.000201863	0.000213297	0.000104287	0.086665854	2.03493E-06	7.40349E-05	0.000405405	0.001273961	0.000298254
2102 Apr	0.069901116	6.01737E-06	1.339134097	2.581040859	0.030231176	0.000233155	9.725395203	0.001780941	0.007007105	0.00020189	0.000213325	0.0001043	0.086677253	2.03519E-06	7.40445E-05	0.000405459	0.001274127	0.000298293
2102 May	0.069945268	6.02115E-06	1.339976072	2.582670212	0.030250391	0.000233301	9.731509209	0.001782067	0.007011496	0.000202018	0.00021346	0.000104366	0.086732	2.03647E-06	7.40913E-05	0.000405715	0.001274925	0.000298482
2102 Jun	0.069878906	6.03337E-06	1.336075902	2.574159861	0.030149674	0.000232515	9.690752029	0.001778578	0.007007456	0.000201198	0.000213621	0.00010406	0.086478002	2.03242E-06	7.3973E-05	0.000405659	0.001276681	0.000297628
2102 Jul	0.069923207	6.04811E-06	1.335762262	2.573372841	0.030134041	0.000232465	9.683646202	0.0017797	0.007013392	0.000200973	0.000214044	0.000104063	0.086464882	2.03267E-06	7.40315E-05	0.000406049	0.001278976	0.000297817
2102 Aug	0.070019059	6.06026E-06	1.337701321	2.57734704	0.030172175	0.000232977	9.697927475	0.001783042	0.007023521	0.000201144	0.000214421	0.000104243	0.086601689	2.03536E-06	7.41754E-05	0.000406493	0.001280698	0.000298497
2102 Sep	0.070046626	6.06643E-06	1.33828032	2.578674793	0.030177498	0.000233337	9.701881409	0.001784457	0.007027365	0.000201086	0.000214549	0.000104307	0.086651079	2.03598E-06	7.42491E-05	0.000406527	0.001281087	0.00029883
2102 Oct	0.06997446	6.06541E-06	1.336591125	2.575795412	0.030122956	0.000233603	9.68838501	0.001783051	0.007022692	0.000200568	0.000214291	0.000104185	0.086563081	2.03304E-06	7.42389E-05	0.000405822	0.001279204	0.000298703
2102 Nov	0.069982447	6.06638E-06	1.336703897	2.576012373	0.030124199	0.00023366	9.6889925	0.001783213	0.007023678	0.000200568	0.000214303	0.000104192	0.086571246	2.03321E-06	7.42494E-05	0.000405843	0.001279303	0.000298727
2102 Dec	0.069984309	6.06655E-06	1.336736441	2.576073408	0.03012486	0.000233668	9.689210892	0.001783254	0.007023875	0.000200572	0.000214307	0.000104194	0.08657337	2.03326E-06	7.42513E-05	0.000405852	0.001279334	0.000298733
2103 Jan	0.069985084	6.0666E-06	1.336746573	2.576093912	0.030125188	0.00023367	9.689267159	0.001783265	0.007023933	0.000200574	0.000214308	0.000104195	0.086574115	2.03327E-06	7.42518E-05	0.000405856	0.001279342	0.000298734
2103 Feb	0.069986612	6.0667E-06	1.336770654	2.57614255	0.030125899	0.000233673	9.689426422	0.001783295	0.007024055	0.000200578	0.000214312	0.000104197	0.086575799	2.0333E-06	7.4253E-05	0.000405865	0.001279363	0.000298738
2103 Mar	0.069989309	6.06692E-06	1.336819172	2.576237202	0.030127084	0.000233682	9.689769745	0.001783358	0.007024308	0.000200586	0.000214319	0.0001042	0.08657901	2.03338E-06	7.42557E-05	0.00040588	0.001279408	0.000298749
2103 Apr	0.070002116	6.06802E-06	1.337062359	2.576706409	0.030132618	0.000233724	9.69152832	0.001783682	0.007025584	0.000200623	0.000214358	0.000104219	0.086594798	2.03374E-06	7.42692E-05	0.000405954	0.00127964	0.000298803
2103 May	0.070288643	6.07736E-06	1.338932991	2.581405163	0.030276045	0.000233796	9.693462372	0.001784889	0.007035501	0.000201913	0.000214533	0.000104326	0.086790033	2.03449E-06	7.43178E-05	0.00040758	0.001281057	0.000298592
2103 Jun	0.070769474	6.08803E-06	1.339109421	2.585225582	0.030534109	0.000233267	9.667005539	0.001784073	0.007037294	0.000204316	0.000214687	0.000104322	0.087010123	2.0291E-06	7.42766E-05	0.00041053	0.001281224	0.000297738
2103 Jul	0.070852518	6.10092E-06	1.340401411	2.58805728	0.030559156	0.000233566	9.676213264	0.00178711	0.007045906	0.000204395	0.000215136	0.000104466	0.087107442	2.03101E-06	7.44052E-05	0.00041098	0.001283089	0.000298402
2103 Aug	0.070910439	6.1127E-06	1.340901852	2.589190483	0.030555801	0.000233879	9.678383827	0.001788891	0.007051676	0.000204293	0.000215292	0.000104535	0.087154537	2.03185E-06	7.44911E-05	0.000410799	0.001283627	0.000298801
2103 Sep	0.070900239	6.11709E-06	1.340608358	2.588983536	0.030535212	0.000234292	9.675636292	0.001789405	0.0070528	0.00020401	0.000215282	0.000104532	0.087154672	2.03102E-06	7.45475E-05	0.000410515	0.001283089	0.000299018
2103 Oct	0.070837982	6.11784E-06	1.338827133	2.585723877	0.030469971	0.000234722	9.65969944	0.001787604	0.007050295	0.000203399	0.000214927	0.000104378	0.087059826	2.02812E-06	7.45423E-05	0.000409702	0.001281135	0.000298741
2103 Nov	0.070826158	6.11847E-06	1.338406682	2.584929705	0.03045311	0.00023486	9.655620575	0.001787147	0.007050188	0.000203241	0.000214831	0.000104338	0.087037727	2.02745E-06	7.45439E-05	0.000409496	0.001280673	0.000298658
2103 Dec	0.070827425	6.11859E-06	1.33842659	2.584966421	0.030453458	0.000234866	9.655741692	0.001787172	0.007050328	0.000203243	0.000214833	0.000104339	0.087039046	2.02748E-06	7.45451E-05	0.000409501	0.001280692	0.000298661
2104 Jan	0.070828028	6.11862E-06	1.338432193	2.58497858	0.03045371	0.000234868	9.655760765	0.001787176	0.007050363	0.000203244	0.000214833	0.000104339	0.087039515	2.02749E-06	7.45454E-05	0.000409504	0.001280695	0.000298661
2104 Feb	0.070828959	6.11866E-06	1.338443518	2.585002899	0.030454179	0.000234869	9.655822754	0.001787188	0.007050417	0.000203246	0.000214834	0.00010434	0.087040402	2.0275E-06	7.45459E-05	0.000409509	0.001280703	0.000298662
2104 Mar	0.070831895	6.1189E-06	1.338495493	2.585104704	0.030455476	0.000234878	9.656188011	0.001787256	0.007050687	0.000203254	0.000214842	0.000104344	0.087043867	2.02758E-06	7.45487E-05	0.000409526	0.001280752	0.000298673
2104 Apr	0.070852362	6.12065E-06	1.338880301	2.585848808	0.030464295	0.000234945	9.658957481	0.001787768	0.007052713	0.000203313	0.000214904	0.000104374	0.087068938	2.02816E-06	7.45701E-05	0.000409644	0.001281119	0.000298759
2104 May	0.071248867	6.13248E-06	1.341219306	2.592024565	0.030665902	0.000234984	9.659176826	0.001789112	0.00706487	0.00020514	0.000215112	0.000104504	0.08733052	2.02858E-06	7.46226E-05	0.000411906	0.001282782	0.000298403
2104 Jun	0.07158149	6.13896E-06	1.341033578	2.594715834	0.030856485	0.00023456	9.638723373	0.001788763	0.00706297	0.000206883	0.000215275	0.00010451	0.087486155	2.02364E-06	7.45977E-05	0.000414035	0.001282407	0.000297958
2104 Jul	0.071702525	6.15316E-06	1.34314549	2.5990448	0.030902008	0.000234981	9.653982162	0.001792477	0.00707517	0.000207128	0.000215774	0.000104705	0.087633051	2.02678E-06	7.47536E-05	0.000414712	0.001284807	0.00029869
2104 Aug	0.071783565	6.16453E-06	1.34476018	2.602450609	0.030932367	0.000235451	9.665956497	0.001795532	0.007083723	0.00020724	0.000216115	0.000104865	0.087750986	2.02894E-06	7.48859E-05	0.00041504	0.001286214	0.000299342
2104 Sep	0.071751781	6.16819E-06	1.344227672	2.601665497	0.030905191	0.000235801	9.661323547	0.001795754	0.007082634	0.000206904	0.000216063	0.000104849	0.087733619	2.02779E-06	7.49218E-05	0.000414614	0.001285455	0.000299509
2104 Oct	0.071709968	6.16938E-06	1.343014956	2.599466324	0.030858103	0.000236156	9.650385857	0.001794605	0.007081422	0.000206453	0.00021582	0.000104744	0.087670453	2.0258E-06	7.49269E-05	0.000414031	0.0012841	0.000299344
2104 Nov	0.071704186	6.17013E-06	1.342756391	2.598969936	0.030846404	0.000236272	9.647706985	0.001794326	0.007081703	0.00020634	0.000215754	0.000104718	0.087657303	2.02539E-06	7.49312E-05	0.000413891	0.001283809	0.00029929
2104 Dec	0.071705751	6.17028E-06	1.342782617	2.599018812	0.030846924	0.000236279	9.647875786	0.001794359	0.007081868	0.000206343	0.000215757	0.000104719	0.087659016	2.02543E-06	7.49328E-05	0.000413899	0.001283835	0.000299294
2105 Jan	0.071706183	6.1703E-06	1.342785954	2.599026203	0.030847106	0.000236279	9.647883415	0.00179436	0.007081891	0.000206344	0.000215757	0.00010472	0.087659329	2.02544E-06	7.49329E-05	0.000413901	0.001283836	0.000299294
2105 Feb	0.071707092	6.17034E-06	1.342797995	2.599051714	0.030847553	0.000236281	9.647953033	0.001794374	0.007081949	0.000206346	0.000215759	0.00010472	0.087660238	2.02545E-06	7.49335E-05	0.000413906	0.001283845	0.000299295
2105 Mar	0.071708269	6.17043E-06	1.342817187	2.599090099	0.030848088	0.000236284	9.648082733	0.001794398	0.007082047	0.00020635	0.000215762	0.000104722	0.087661557	2.02548E-06	7.49345E-05	0.000413912	0.001283863	0.000299299
2105 Apr	0.071719676	6.1714E-06	1.343029261	2.599501371	0.030853014	0.000236322	9.649601936	0.001794681	0.007083165	0.000206382	0.000215796	0.000104738	0.087675445	2.0258E-06	7.49463E-05	0.000413978	0.001284064	0.000299346
2105 May	0.072025307	6.18063E-06	1.344851494	2.604394197	0.031010294	0.000236359	9.650174141	0.001795877	0.007092335	0.000207797	0.000215979	0.000104847	0.087881029	2.02606E-06	7.49925E-05	0.000415738	0.001285329	0.000299127
2105 Jun	0.072357349	6.1917E-06	1.346457243	2.609460354	0.031185646	0.000236335	9.647541046	0.001797413	0.007100249	0.000209342	0.000216275	0.000104965	0.088099025	2.02531E-06	7.50501E-05	0.000417748	0.001286587	0.00029902
2105 Jul	0.072481878	6.20574E-06	1.348667741	2.614040136	0.03123327	0.000236791	9.663894653	0.001801246	0.007112525	0.000209607	0.000216756	0.00010517	0.088253751	2.02851E-06	7.52108E-05	0.000418376	0.001288823	0.000299787
2105 Aug	0.072464712	6.2129E-06	1.348408699	2.613970518	0.031212231	0.000237106	9.66217041	0.001802513	0.007111938	0.0002093	0.000216847	0.000105207	0.088258885	2.02774E-06	7.52746E-05	0.000417939	0.001288368	0.000300237
2105 Sep	0.072389528	6.21567E-06	1.346939445	2.611311436	0.031152951	0.000237546	9.649441719	0.001801628	0.007108005	0.000208683	0.000216606	0.000105112	0.088185184	2.02517E-06	7.52854E-05	0.00041708	0.001286643	0.000300211
2105 Oct	0.07233806	6.21612E-06	1.34562397	2.608964443	0.031103948	0.000237868	9.638206482	0.001800441	0.007105835	0.000208216	0.000216365	0.000105005	0.088115722	2.02298E-06	7.52863E-05	0.000416467	0.001285175	0.000300065
2105 Nov	0.072320782	6.21643E-06	1.345117331	2.608005524	0.031084375	0.000238	9.633564949	0.001799889	0.007105322	0.000208035	0.000216255	0.000104959	0.088087954	2.02219E-06	7.52845E-05	0.000416227	0.001284626	0.000299971
2105 Dec	0.072321594	6.21651E-06	1.345128298	2.60802412	0.031084517	0.000238005	9.633618355	0.001799901	0.007105416	0.000208035	0.000216256	0.000104959	0.088088669	2.02221E-06	7.52853E-05	0.00041623	0.001284637	0.000299972
2106 Jan	0.072322145	6.21653E-06	1.345132828	2.608034134	0.031084746	0.000238006	9.633629799	0.001799903	0.007105446	0.000208036	0.000216256	0.000104959	0.088089079	2.02221E-06	7.52855E-05	0.000416232	0.001284639	0.000299971
2106 Feb	0.072322853	6.21655E-06	1.345139742	2.608050346	0.031085121	0.000238007	9.633660316	0.00179991	0.007105477	0.000208038	0.000216257	0.00010496	0.088089682	2.02222E-06	7.52857E-05	0.000416236	0.001284643	0.000299972
2106 Mar	0.072324477	6.21667E-06	1.345166445	2.608103752	0.031085856	0.000238011	9.633841515	0.001799944	0.007105615	0.000208043	0.000216261	0.000104962	0.088091522	2.02226E-06	7.52872E-05	0.000416245	0.001284667	0.000299977
2106 Apr	0.072339624	6.21796E-06	1.345446229	2.60864687	0.031092387	0.000238061	9.635839462	0.001800317	0.007107091	0.000208086	0.000216306	0.000104983	0.088109896	2.02268E-06	7.53028E-05	0.000416332	0.001284934	0.000300039
2106 May	0.072488166	6.22447E-06	1.346805096	2.611717939	0.031164657	0.000238193	9.640924454	0.001801605	0.007114255	0.000208705	0.000216473	0.000105073	0.088228405	2.02388E-06	7.53557E-05	0.00041718	0.001286079	0.000300086
2106 Jun	0.07285706	6.23529E-06	1.346293449	2.613149166	0.031349141	0.000237602	9.612937927	0.001800267	0.007115536	0.000210454	0.000216631	0.000105013	0.088354126	2.01917E-06	7.52977E-05	0.00041953	0.001286751	0.000299216
2106 Jul	0.072983555	6.2525E-06	1.348271608	2.617195129	0.03138946	0.000238004	9.626269341	0.001804183	0.007128662	0.000210634	0.000217219	0.000105205	0.088494204	2.02225E-06	7.54644E-05	0.000420267	0.00128959	0.00029999
2106 Aug	0.073003739	6.26255E-06	1.34850347	2.617948294	0.031378411	0.000238374	9.627412796	0.001805921	0.007131574	0.000210419	0.000217362	0.000105271	0.088528194	2.0224E-06	7.5549E-05	0.000419966	0.001289695	0.000300467
2106 Sep	0.072949484	6.2669E-06	1.347524166	2.616122961	0.031331588	0.000238825	9.618211746	0.001805563	0.007129406	0.000209902	0.00021719	0.000105213	0.088482566	2.02065E-06	7.55731E-05	0.00041925	0.001288474	0.000300509
2106 Oct	0.072946638	6.26917E-06	1.347293019	2.615775108	0.031316455	0.00023907	9.615639687	0.001805544	0.007130652	0.000209729	0.000217136	0.000105193	0.088475801	2.0202E-06	7.55984E-05	0.000419071	0.001288143	0.000300532
2106 Nov	0.072955512	6.26998E-06	1.347451091	2.616081715	0.031319901	0.000239105	9.616734505	0.001805757	0.007131553	0.00020975	0.000217161	0.000105205	0.088486306	2.02044E-06	7.56079E-05	0.000419117	0.001288293	0.000300567
2106 Dec	0.072956748	6.27009E-06	1.347471952	2.616120815	0.031320326	0.000239109	9.61687088	0.001805783	0.007131681	0.000209753	0.000217164	0.000105206	0.08848767	2.02047E-06	7.56092E-05	0.000419123	0.001288313	0.000300571
2107 Jan	0.072957218	6.27012E-06	1.347477198	2.616131783	0.031320523	0.000239111	9.616895676	0.001805789	0.007131713	0.000209754	0.000217164	0.000105206	0.088488087	2.02047E-06	7.56094E-05	0.000419126	0.001288317	0.000300571
2107 Feb	0.07295844	6.2702E-06	1.34749639	2.616170406	0.03132109	0.000239114	9.617021561	0.001805813	0.007131811	0.000209758	0.000217167	0.000105208	0.088489436	2.0205E-06	7.56104E-05	0.000419132	0.001288334	0.000300574
2107 Mar	0.07296183	6.27048E-06	1.347556949	2.6162889	0.031322569	0.000239124	9.617447853	0.001805893	0.00713213	0.000209767	0.000217176	0.000105212	0.088493459	2.02059E-06	7.56138E-05	0.000419152	0.001288391	0.000300588
2107 Apr	0.072969466	6.27113E-06	1.3476969	2.616560936	0.031325858	0.000239149	9.618442535	0.00180608	0.007132869	0.000209789	0.000217199	0.000105223	0.088502675	2.0208E-06	7.56216E-05	0.000419196	0.001288524	0.000300619
2107 May	0.073135644	6.27613E-06	1.348688841	2.619297028	0.031412929	0.00023917	9.618917465	0.00180682	0.007137627	0.000210566	0.000217313	0.000105287	0.088616744	2.02087E-06	7.56496E-05	0.000420165	0.001289183	0.000300533
2107 Jun	0.073530592	6.28824E-06	1.350239515	2.624546528	0.03161931	0.000239034	9.611662865	0.0018079	0.007145902	0.00021424	0.000217591	0.000105387	0.088853873	2.01946E-06	7.56879E-05	0.000422555	0.001290515	0.0003002
2107 Jul	0.073627628	6.30094E-06	1.351816535	2.627896547	0.031650692	0.000239391	9.623100281	0.00181104	0.007155534	0.00021257	0.000217999	0.000105545	0.088968374	2.02177E-06	7.58209E-05	0.000422986	0.00129229	0.000300856
2107 Aug	0.073747069	6.3139E-06	1.353997946	2.632316828	0.031697169	0.000239875	9.638885498	0.001814551	0.007167375	0.000212833	0.000218407	0.000105737	0.089119442	2.02492E-06	7.59703E-05	0.000423556	0.00129432	0.00030153
2107 Sep	0.073786318	6.3206E-06	1.354722977	2.633985996	0.031705514	0.000240282	9.644037247	0.001816156	0.007172585	0.000212796	0.00021856	0.00010581	0.089179099	2.02574E-06	7.60573E-05	0.000423662	0.001294842	0.000301898
2107 Oct	0.073759586	6.32154E-06	1.354056716	2.632858038	0.031678155	0.000240514	9.638424873	0.001815703	0.007171863	0.000212519	0.000218446	0.000105759	0.089146353	2.02459E-06	7.60692E-05	0.000423321	0.001294056	0.000301874
2107 Nov	0.073749304	6.32185E-06	1.353765011	2.63231492	0.031666227	0.000240604	9.63577652	0.001815412	0.00717165	0.000212406	0.000218384	0.000105733	0.089130722	2.02413E-06	7.60705E-05	0.000423175	0.001293731	0.000301829
2107 Dec	0.073750496	6.32196E-06	1.353784084	2.632350206	0.031666595	0.00024061	9.635894775	0.001815435	0.007171777	0.000212408	0.000218386	0.000105734	0.089131981	2.02416E-06	7.60717E-05	0.00042318	0.001293749	0.000301832
2108 Jan	0.073751278	6.32201E-06	1.353793979	2.632370472	0.031666923	0.000240612	9.635947227	0.001815446	0.007171834	0.000212409	0.000218387	0.000105734	0.089132719	2.02417E-06	7.60722E-05	0.000423184	0.001293757	0.000301833
2108 Feb	0.073752061	6.32205E-06	1.353803277	2.632390738	0.031667314	0.000240613	9.635997772	0.001815456	0.007171879	0.000212412	0.000218388	0.000105735	0.089133456	2.02418E-06	7.60726E-05	0.000423188	0.001293764	0.000301834
2108 Mar	0.073755957	6.32236E-06	1.35387218	2.632525682	0.031669021	0.000240625	9.636480331	0.001815547	0.007172241	0.000212423	0.000218399	0.00010574	0.089138053	2.02428E-06	7.60764E-05	0.00042321	0.001293828	0.000301849
2108 Apr	0.07378608	6.32488E-06	1.354414582	2.633588076	0.031682134	0.000240721	9.640315056	0.001816272	0.007175094	0.000212509	0.000218486	0.000105782	0.089174129	2.02508E-06	7.61067E-05	0.000423383	0.00129434	0.000301969

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.073868625	6.33064E-06	1.355678558	2.636170864	0.031720351	0.000240926	9.648561478	0.001817896	0.007181579	0.000212763	0.000218681	0.000105877	0.089264125	2.02676E-06	7.61741E-05	0.000423859	0.001295469	0.000302217
2108 Jun	0.074047156	6.34406E-06	1.355121851	2.635455132	0.031777363	0.00024056	9.629875183	0.001817215	0.007186852	0.00021331	0.00021894	0.00010581	0.089282863	2.0253E-06	7.61552E-05	0.000425087	0.001297546	0.000301686
2108 Jul	0.074212596	6.36211E-06	1.357912779	2.64092803	0.031839602	0.000241068	9.648867607	0.001821641	0.007203576	0.000213676	0.000219564	0.000106047	0.089470789	2.02962E-06	7.63427E-05	0.000426094	0.001300966	0.000302469
2108 Aug	0.074381121	6.37881E-06	1.361100435	2.647301912	0.03191112	0.000241729	9.671958923	0.001826419	0.007220268	0.000214105	0.000220129	0.000106315	0.089687556	2.03421E-06	7.65446E-05	0.000427011	0.001303931	0.00030335
2108 Sep	0.074406311	6.38421E-06	1.361687183	2.6487391	0.031918667	0.000242049	9.676657677	0.001827923	0.007223723	0.000214068	0.000220283	0.000106386	0.089737825	2.03479E-06	7.6619E-05	0.000427085	0.001304317	0.000303727
2108 Oct	0.07431782	6.38288E-06	1.35965991	2.64504528	0.031846657	0.000242394	9.660095215	0.001825932	0.007218988	0.000213405	0.000219917	0.000106222	0.089624636	2.03152E-06	7.65995E-05	0.000426177	0.001302097	0.000303466
2108 Nov	0.074314795	6.3837E-06	1.359486341	2.644702911	0.031837411	0.000242501	9.658173561	0.001825747	0.007219479	0.000213314	0.000219867	0.000106203	0.089661603	2.03126E-06	7.66053E-05	0.000426069	0.001301894	0.000303427
2108 Dec	0.07431639	6.38384E-06	1.359512806	2.644752502	0.031837951	0.000242508	9.658344269	0.00182578	0.007219645	0.000213317	0.00021987	0.000106205	0.089617766	2.0313E-06	7.66069E-05	0.000426076	0.00130192	0.000303432
2109 Jan	0.074317016	6.38388E-06	1.35951972	2.644767046	0.031838212	0.000242509	9.65837574	0.001825786	0.007219687	0.000213318	0.000219871	0.000106205	0.089618312	2.0313E-06	7.66072E-05	0.000426079	0.001301925	0.000303432
2109 Feb	0.074318156	6.38395E-06	1.359535575	2.644800186	0.031838756	0.000242512	9.658473969	0.001825805	0.007219767	0.000213322	0.000219873	0.000106206	0.089619488	2.03132E-06	7.6608E-05	0.000426085	0.001301938	0.000303435
2109 Mar	0.074322417	6.38429E-06	1.359610796	2.644947767	0.031840611	0.000242525	9.658999443	0.001825905	0.007220163	0.000213334	0.000219885	0.000106212	0.089624509	2.03143E-06	7.66122E-05	0.00042611	0.001302009	0.000303451
2109 Apr	0.074342415	6.386E-06	1.359974265	2.645656109	0.031849213	0.00024259	9.661574364	0.001826392	0.00722209	0.000213391	0.000219943	0.00010624	0.089648537	2.03197E-06	7.66326E-05	0.000426224	0.001302355	0.000303532
2109 May	0.074604057	6.39427E-06	1.361651301	2.650115967	0.031985205	0.000242647	9.663463593	0.001827697	0.007230249	0.000214597	0.000220136	0.000106348	0.089832135	2.03236E-06	7.66827E-05	0.000427747	0.001303521	0.000303424
2109 Jun	0.07502833	6.40916E-06	1.364156485	2.657048464	0.032203823	0.000242698	9.664346695	0.001829906	0.007243091	0.000216525	0.000220515	0.000106518	0.090121843	2.03259E-06	7.67679E-05	0.000430274	0.001305575	0.000303291
2109 Jul	0.075118244	6.4219E-06	1.365559101	2.660102367	0.032229923	0.00024304	9.674571991	0.00183296	0.007252013	0.000216627	0.00022091	0.000106667	0.090226591	2.03464E-06	7.68978E-05	0.000430621	0.001307183	0.000303953
2109 Aug	0.075220123	6.43496E-06	1.367074966	2.663177013	0.03225562	0.000243436	9.684733391	0.001835752	0.007262005	0.000216751	0.000221213	0.000106807	0.090335175	2.03698E-06	7.70208E-05	0.000430878	0.001308677	0.000304496
2109 Sep	0.075200863	6.4387E-06	1.366781235	2.662992239	0.032234997	0.00024381	9.682709694	0.001836358	0.007262326	0.000216465	0.000221223	0.000106811	0.090333804	2.03615E-06	7.70751E-05	0.000430584	0.001308126	0.000304758
2109 Oct	0.075100876	6.43743E-06	1.364432216	2.658613682	0.032149155	0.000244235	9.663086891	0.001833911	0.007257442	0.000215683	0.000220771	0.000106613	0.090200491	2.03245E-06	7.70507E-05	0.000429512	0.001305577	0.0003044
2109 Nov	0.075104825	6.43841E-06	1.364425898	2.658587933	0.032145675	0.000244319	9.662571907	0.001833914	0.007258326	0.000215642	0.000220753	0.000106608	0.090201564	2.03245E-06	7.70594E-05	0.000429475	0.001305552	0.000304392
2109 Dec	0.0751068	6.43858E-06	1.364459157	2.658651114	0.032146383	0.000244327	9.662793159	0.001833957	0.007258527	0.000215647	0.000220758	0.00010661	0.09020377	2.0325E-06	7.70614E-05	0.000429485	0.001305584	0.000304399
2110 Jan	0.075107895	6.43866E-06	1.364474893	2.658682585	0.032146849	0.00024433	9.662887573	0.001833975	0.007258615	0.000215649	0.00022076	0.000106611	0.090204887	2.03252E-06	7.70623E-05	0.000429491	0.001305598	0.000304401
2110 Feb	0.075109251	6.43875E-06	1.364495397	2.658724546	0.032147478	0.000244333	9.66301918	0.001834001	0.007258719	0.000215653	0.000220763	0.000106613	0.090206347	2.03255E-06	7.70633E-05	0.000429498	0.001305615	0.000304405
2110 Mar	0.075112335	6.439E-06	1.364549041	2.658829927	0.032148831	0.000244343	9.663392067	0.001834071	0.007259002	0.000215662	0.000220771	0.000106617	0.090209953	2.03262E-06	7.70663E-05	0.000429516	0.001305666	0.000304416
2110 Apr	0.075124539	6.44004E-06	1.36476934	2.659260035	0.032154068	0.000244382	9.664948463	0.001834367	0.007260173	0.000215697	0.000220807	0.000106634	0.090224557	2.03295E-06	7.70787E-05	0.000429586	0.001305876	0.000304465
2110 May	0.075233258	6.44474E-06	1.365749002	2.661513567	0.032207642	0.000244476	9.668575287	0.001835322	0.007265248	0.000216154	0.000220932	0.0001067	0.090311572	2.03377E-06	7.71176E-05	0.000430211	0.001306687	0.000304508
2110 Jun	0.075666428	6.45452E-06	1.365890622	2.664621353	0.032436207	0.000243915	9.644050598	0.001834291	0.007267601	0.00021831	0.00022107	0.000106682	0.09049847	2.02926E-06	7.70658E-05	0.000432914	0.001307211	0.000303618
2110 Jul	0.07577353	6.46865E-06	1.36758697	2.668115139	0.032470986	0.000244268	9.655698776	0.001837589	0.007278528	0.000218473	0.000221544	0.000106846	0.09061902	2.03185E-06	7.72061E-05	0.000433499	0.001309466	0.000304274
2110 Aug	0.075668275	6.47378E-06	1.365239143	2.663650274	0.032381158	0.000244407	9.636626244	0.001836339	0.007270509	0.000217658	0.000221252	0.000106716	0.090486147	2.02843E-06	7.71785E-05	0.000432043	0.001307155	0.00030426
2110 Sep	0.075560927	6.4747E-06	1.363147855	2.659819365	0.032299168	0.000244896	9.619517326	0.001834708	0.007264971	0.000216851	0.000220892	0.000106566	0.090372689	2.02497E-06	7.71756E-05	0.000430927	0.001304765	0.000304127
2110 Oct	0.075477995	6.47469E-06	1.360987425	2.655617714	0.032214396	0.000245389	9.600300789	0.001832206	0.007262191	0.000216085	0.000220415	0.000106365	0.090247847	2.02172E-06	7.71559E-05	0.000429889	0.001302445	0.00030369
2110 Nov	0.075454891	6.47443E-06	1.360455513	2.654628754	0.032194637	0.00024549	9.595890999	0.001831663	0.007261101	0.000215904	0.000220313	0.000106321	0.09021768	2.02088E-06	7.71511E-05	0.000429643	0.001301864	0.000303613
2110 Dec	0.075456448	6.47457E-06	1.360479712	2.654673338	0.032195091	0.000245497	9.596036911	0.001831692	0.007261267	0.000215907	0.000220315	0.000106322	0.090219274	2.02092E-06	7.71526E-05	0.000429649	0.001301887	0.000303617
2111 Jan	0.0754572	6.47462E-06	1.360488057	2.654690742	0.032195404	0.000245499	9.596075058	0.0018317	0.007261318	0.000215908	0.000220316	0.000106322	0.09021993	2.02093E-06	7.7153E-05	0.000429653	0.001301893	0.000303617
2111 Feb	0.075457938	6.47464E-06	1.360495687	2.654707909	0.032195788	0.0002455	9.596111298	0.001831707	0.007261353	0.00021591	0.000220317	0.000106323	0.090220585	2.02093E-06	7.71533E-05	0.000429657	0.001301898	0.000303618
2111 Mar	0.075463928	6.47514E-06	1.360600591	2.654914141	0.032198381	0.000245518	9.596840858	0.001831846	0.007261909	0.000215927	0.000220334	0.000106331	0.090227619	2.02109E-06	7.71592E-05	0.000429691	0.001301997	0.000303641
2111 Apr	0.075486332	6.47705E-06	1.361002684	2.65569973	0.032207962	0.000245591	9.599671364	0.001832387	0.007264053	0.000215991	0.000220399	0.000106362	0.090254322	2.02168E-06	7.7182E-05	0.000429819	0.001302381	0.00030373
2111 May	0.075688206	6.48453E-06	1.362558842	2.659450769	0.032309186	0.000245695	9.603646278	0.001833692	0.00727206	0.00021688	0.000220577	0.000106462	0.090403996	2.02265E-06	7.72342E-05	0.000430979	0.001303606	0.000303697
2111 Jun	0.076182917	6.49649E-06	1.364043951	2.66516161	0.032571379	0.000245363	9.589594841	0.001833954	0.007279829	0.000219303	0.000220791	0.000106536	0.090676419	2.02002E-06	7.72342E-05	0.000433971	0.001304752	0.000302995
2111 Jul	0.076361202	6.5142E-06	1.367121577	2.671250343	0.032642215	0.000245936	9.611010551	0.001838586	0.007297249	0.000219744	0.000221393	0.000106791	0.090884537	2.02463E-06	7.743E-05	0.00043499	0.001308056	0.000303811
2111 Aug	0.076326199	6.52117E-06	1.366440535	2.670164108	0.032604005	0.000246216	9.605545044	0.001839221	0.007295538	0.000219317	0.000221382	0.000106788	0.09085799	2.02347E-06	7.7471E-05	0.000434304	0.00130726	0.000304119
2111 Sep	0.076310456	6.52649E-06	1.366273403	2.669813395	0.032581903	0.000246606	9.602879524	0.001839633	0.007296349	0.000219024	0.000221339	0.000106789	0.090857506	2.02307E-06	7.75119E-05	0.000433929	0.001306909	0.000304255
2111 Oct	0.076232679	6.52512E-06	1.364640117	2.666864157	0.032522686	0.000246878	9.590085983	0.001838121	0.007292193	0.000218474	0.000221059	0.000106663	0.090765521	2.02043E-06	7.74982E-05	0.000433183	0.001305104	0.000304087
2111 Nov	0.076190114	6.52453E-06	1.363612175	2.664864779	0.032483764	0.000247066	9.581243515	0.001836921	0.007290372	0.000218128	0.00022084	0.000106569	0.090704873	2.01889E-06	7.74837E-05	0.000432704	0.001304012	0.000303882
2111 Dec	0.076191701	6.52473E-06	1.363626957	2.664885521	0.032483649	0.00024708	9.581259727	0.001836931	0.007290591	0.000218126	0.000220839	0.000106569	0.090705894	2.01892E-06	7.74853E-05	0.000432704	0.001304025	0.00030388
2112 Jan	0.076192506	6.52477E-06	1.363635182	2.664902925	0.032483984	0.000247082	9.58129406	0.001836939	0.007290643	0.000218127	0.000220839	0.00010657	0.090706572	2.01893E-06	7.74857E-05	0.000432708	0.001304031	0.00030388
2112 Feb	0.076194011	6.52486E-06	1.363655448	2.664945602	0.032484703	0.000247085	9.58141613	0.001836962	0.007290744	0.000218131	0.000220842	0.000106571	0.090708092	2.01895E-06	7.74867E-05	0.000432716	0.001304047	0.000303883
2112 Mar	0.076201104	6.52544E-06	1.363778949	2.665188313	0.032487772	0.000247107	9.582271576	0.001837127	0.0072914	0.000218152	0.000220861	0.000106581	0.090716392	2.01913E-06	7.74936E-05	0.000432757	0.001304164	0.00030391
2112 Apr	0.076220706	6.52711E-06	1.364127755	2.665870905	0.032496154	0.00024717	9.584715843	0.001837595	0.007293262	0.000218208	0.000220918	0.000106608	0.090739645	2.01965E-06	7.75134E-05	0.000432868	0.001304496	0.000303988
2112 May	0.07649406	6.53547E-06	1.365872741	2.670336962	0.032635402	0.000247212	9.58627224	0.001838692	0.007302187	0.000219464	0.000221082	0.000106708	0.090925358	2.02022E-06	7.75556E-05	0.000434438	0.001305773	0.00030378
2112 Jun	0.07690464	6.53865E-06	1.36457324	2.671604395	0.032874782	0.000246292	9.549386978	0.001836145	0.007294831	0.000221771	0.000221091	0.000106607	0.091058284	2.01227E-06	7.743E-05	0.000437151	0.001304649	0.000302677
2112 Jul	0.076972216	6.55109E-06	1.365487218	2.673549175	0.032890063	0.000246492	9.555059433	0.001838651	0.007302472	0.000221778	0.000221529	0.000106716	0.091127127	2.01381E-06	7.75374E-05	0.000437601	0.001306616	0.000303213
2112 Aug	0.077090427	6.56465E-06	1.367772579	2.678235054	0.032939173	0.000247058	9.571612358	0.001842425	0.007314377	0.000222031	0.000221962	0.000106922	0.091288529	2.01695E-06	7.76994E-05	0.000438195	0.001308667	0.000303957
2112 Sep	0.077096261	6.56957E-06	1.368032575	2.678931713	0.032934971	0.000247382	9.573438644	0.00184348	0.007316419	0.000221895	0.000222042	0.000106965	0.091316625	2.0171E-06	7.77581E-05	0.000438092	0.001308733	0.000304245
2112 Oct	0.077078216	6.57059E-06	1.367666602	2.678390741	0.032917544	0.000247566	9.570690155	0.001843418	0.007316148	0.000221703	0.000221996	0.000106943	0.091300867	2.0164E-06	7.77759E-05	0.000437874	0.001308251	0.0003043
2112 Nov	0.077081628	6.57129E-06	1.367702365	2.678471088	0.032916632	0.000247619	9.570791245	0.001843506	0.007316756	0.000221685	0.000221997	0.000106945	0.091304392	2.01644E-06	7.7784E-05	0.000437866	0.001308268	0.000304318
2112 Dec	0.077083647	6.57147E-06	1.367736101	2.6785357	0.032917373	0.000247627	9.571013451	0.00184355	0.007316959	0.00022169	0.000222002	0.000106948	0.091306642	2.0165E-06	7.7786E-05	0.000437876	0.0013083	0.000304325
2113 Jan	0.077084139	6.5715E-06	1.367741108	2.67854619	0.032917574	0.000247628	9.571033478	0.001843554	0.007316989	0.000221691	0.000222003	0.000106948	0.091307044	2.0165E-06	7.77862E-05	0.000437878	0.001308304	0.000304325
2113 Feb	0.077085316	6.57157E-06	1.367758155	2.678581238	0.032918133	0.000247631	9.571140289	0.001843575	0.007317076	0.000221694	0.000222005	0.000106949	0.091308288	2.01652E-06	7.77871E-05	0.000437885	0.001308318	0.000304328
2113 Mar	0.077095926	6.57246E-06	1.367944002	2.678946495	0.032922681	0.000247664	9.572435379	0.001843824	0.007318068	0.000221725	0.000222035	0.000106963	0.091320753	2.01679E-06	7.77976E-05	0.000437945	0.001308495	0.000304369
2113 Apr	0.077115372	6.57411E-06	1.368287921	2.679620504	0.032931007	0.000247726	9.574836731	0.001844287	0.007319907	0.000221781	0.000222091	0.00010699	0.091343746	2.0173E-06	7.78171E-05	0.000438056	0.001308823	0.000304445
2113 May	0.077331781	6.58167E-06	1.369865417	2.68351841	0.03304074	0.000247813	9.578203201	0.001845553	0.007327908	0.00022275	0.000222268	0.00010709	0.091500863	2.01812E-06	7.78671E-05	0.000439305	0.001310027	0.000304382
2113 Jun	0.077713721	6.59064E-06	1.370840669	2.687941313	0.033249538	0.000247513	9.566159248	0.001845912	0.00733227	0.000224661	0.000222481	0.000107153	0.091712385	2.01545E-06	7.78698E-05	0.000441682	0.001310725	0.000303929
2113 Jul	0.07785067	6.60598E-06	1.373079896	2.692497015	0.033297818	0.000247975	9.581802368	0.001849708	0.007345569	0.000224938	0.000222962	0.000107353	0.091868922	2.01879E-06	7.80314E-05	0.000442341	0.001313133	0.00030465
2113 Aug	0.077950723	6.61822E-06	1.374889493	2.69628191	0.03333484	0.000248433	9.59498024	0.001852946	0.007355494	0.000225119	0.000223333	0.000107524	0.09199927	2.0213E-06	7.81703E-05	0.000442766	0.00131478	0.000305312
2113 Sep	0.077923872	6.62171E-06	1.374550223	2.695940018	0.033311363	0.000248792	9.59270668	0.001853473	0.007355314	0.000224809	0.00022333	0.000107525	0.091992661	2.02045E-06	7.8219E-05	0.000442423	0.001314191	0.00030556
2113 Oct	0.077800021	6.61885E-06	1.371942997	2.691020012	0.033215307	0.000249177	9.571907997	0.00185072	0.007348908	0.000223946	0.000222838	0.000107308	0.091838814	2.01645E-06	7.81813E-05	0.000441224	0.001311383	0.000305172
2113 Nov	0.077787101	6.61979E-06	1.371469975	2.690001726	0.033192143	0.000249369	9.566993713	0.001850055	0.007349491	0.000223736	0.000222697	0.000107254	0.091810547	2.01583E-06	7.81818E-05	0.000440953	0.001310882	0.000305022
2113 Dec	0.077789322	6.62E-06	1.37150538	2.690068245	0.033192873	0.000249378	9.567214012	0.001850099	0.007349719	0.000223741	0.000222702	0.000107256	0.091812901	2.01588E-06	7.8184E-05	0.000440963	0.001310916	0.000305028
2114 Jan	0.077790223	6.62005E-06	1.371516109	2.690090656	0.033193246	0.00024938	9.567271233	0.00185011	0.007349784	0.000223743	0.000222703	0.000107257	0.091813728	2.01589E-06	7.81846E-05	0.000440967	0.001310924	0.000305029
2114 Feb	0.077791065	6.62009E-06	1.371525526	2.690111637	0.033193674	0.000249381	9.56731987	0.00185012	0.007349828	0.000223745	0.000222704	0.000107257	0.091814503	2.0159E-06	7.8185E-05	0.000440972	0.00131093	0.00030503
2114 Mar	0.077796839	6.62056E-06	1.371624351	2.690306425	0.033196174	0.000249399	9.567997932	0.001850251	0.007350354	0.000223761	0.00022272	0.000107265	0.091821186	2.01605E-06	7.81905E-05	0.000441005	0.001311023	0.000305051
2114 Apr	0.077810913	6.62174E-06	1.371870875	2.690790892	0.033202201	0.000249444	9.569712639	0.001850583	0.007351673	0.000223802	0.000222759	0.000107284	0.091837734	2.01641E-06	7.82045E-05	0.000441084	0.001311258	0.000305106
2114 May	0.078063093	6.62792E-06	1.37316227	2.694570541	0.033336606	0.000249399	9.568180084	0.001851253	0.007357611	0.000225027	0.00022288	0.000107359	0.092000291	2.01607E-06	7.82265E-05	0.000442564	0.001312021	0.000304862
2114 Jun	0.078455508	6.64257E-06	1.375615597	2.701303244	0.033540171	0.000249465	9.570644379	0.001853713	0.007369957	0.000226799	0.000223299	0.000107537	0.09227705	2.0165E-06	7.83205E-05	0.000444945	0.001314129	0.000304856
2114 Jul	0.078645632	6.66146E-06	1.378902912	2.707945347	0.033616908	0.000250102	9.593912125	0.001858814	0.007388139	0.000227273	0.000223942	0.000107818	0.09250363	2.02128E-06	7.85357E-05	0.000445988	0.001317464	0.000305792
2114 Aug	0.07883092	6.67915E-06	1.382208943	2.714557409	0.033693843	0.000250777	9.617219925	0.001863681	0.00740587	0.000227753	0.000224517	0.000108092	0.092730224	2.02603E-06	7.87427E-05	0.000446974	0.001320567	0.000306661
2114 Sep	0.078787841	6.68256E-06	1.381581187	2.713587046	0.033658482	0.000251178	9.61241436	0.00186386	0.007404814	0.000227337	0.000224448	0.000108068	0.092704989	2.02479E-06	7.87833E-05	0.000446465	0.00131968	0.000306846
2114 Oct	0.07872276	6.68227E-06	1.380233169	2.711138964	0.03360454	0.000251489	9.601777077	0.001862677	0.00740214	0.000226825	0.000224207	0.000107961	0.092629343	2.02265E-06	7.87826E-05	0.000445794	0.001318163	0.000306726
2114 Nov	0.07866177	6.68095E-06	1.378884792	2.708499193	0.033553325	0.0002517	9.590583801	0.001861102	0.007399324	0.000226373	0.000223927	0.000107841	0.09254767	2.02066E-06	7.87597E-05	0.000445163	0.001316739	0.000306466
2114 Dec	0.078661226	6.68105E-06	1.378859043	2.70844245	0.033551883	0.000251714	9.590295792	0.001861066	0.0073994	0.00022636	0.000223918	0.000107838	0.092546172	2.02063E-06	7.87601E-05	0.000445146	0.001316711	0.000306458
2115 Jan	0.078662351	6.68111E-06	1.378872633	2.708470345	0.033552352	0.000251717	9.590367317	0.00186108	0.00739948	0.000226362	0.00022392	0.000107839	0.092547216	2.02065E-06	7.87608E-05	0.000445151	0.001316722	0.000306459
2115 Feb	0.078663766	6.68119E-06	1.378890991	2.708509445	0.033553038	0.00025172	9.590473175	0.001861101	0.00739957	0.000226366	0.000223922	0.00010784	0.092548609	2.02067E-06	7.87617E-05	0.000445159	0.001316736	0.000306462
2115 Mar	0.078666985	6.68144E-06	1.378943682	2.708614588	0.033554457	0.000251729	9.590828896	0.00186117	0.00739985	0.000226375	0.00022393	0.000107844	0.092552245	2.02074E-06	7.87646E-05	0.000445177	0.001316784	0.000306472

Appendix D.2-20: WES05

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.078686446	6.68308E-06	1.379282832	2.709281683	0.033562783	0.000251791	9.593180656	0.001861627	0.007401667	0.000226431	0.000223985	0.00010787	0.092575058	2.02124E-06	7.87839E-05	0.000445288	0.001317107	0.000306547
2115 May	0.078943864	6.69002E-06	1.380738974	2.71338892	0.033699609	0.000251781	9.593109131	0.001862581	0.007408388	0.000227664	0.000224141	0.000107961	0.092747889	2.02116E-06	7.88175E-05	0.000446802	0.001318026	0.000306367
2115 Jun	0.079302303	6.7059E-06	1.383841515	2.72075963	0.033878583	0.000252063	9.604020119	0.001865849	0.007424317	0.000229181	0.000224596	0.000108182	0.093033597	2.02348E-06	7.89491E-05	0.000448909	0.001320672	0.000306565
2115 Jul	0.07947211	6.72343E-06	1.386757374	2.726760626	0.03394502	0.00025266	9.625013351	0.001870601	0.007440416	0.00022958	0.000225173	0.00010844	0.093238011	2.02765E-06	7.91497E-05	0.000449755	0.00132349	0.000307476
2115 Aug	0.079415344	6.72832E-06	1.385941386	2.725505352	0.033904381	0.000252898	9.619730949	0.00187117	0.007436942	0.000229124	0.000225169	0.000108435	0.093202062	2.02619E-06	7.91842E-05	0.00044905	0.001322505	0.000307823
2115 Sep	0.079413719	6.73414E-06	1.386121273	2.725883961	0.033893362	0.000253271	9.620251656	0.00187208	0.007438774	0.000228921	0.000225206	0.000108469	0.093223304	2.02629E-06	7.92386E-05	0.000448825	0.001322495	0.000308063
2115 Oct	0.07940799	6.73575E-06	1.38599503	2.7257771189	0.033882964	0.00025345	9.61925602	0.001872256	0.007439466	0.00022879	0.000225195	0.000108464	0.093221486	2.02599E-06	7.92626E-05	0.000448699	0.00132227	0.000308145
2115 Nov	0.079380818	6.73581E-06	1.385324836	2.724423647	0.033854518	0.000253618	9.613296509	0.001871447	0.007438828	0.000228533	0.000225038	0.0001084	0.093181185	2.02504E-06	7.92569E-05	0.000448356	0.001321556	0.000307998
2115 Dec	0.07938157	6.73604E-06	1.385320783	2.724409103	0.033853512	0.000253638	9.613152504	0.001871441	0.007439038	0.000228522	0.000225033	0.000108398	0.093181163	2.02504E-06	7.92588E-05	0.000448345	0.001321548	0.000307995
2116 Jan	0.07938274	6.73611E-06	1.385334492	2.724437475	0.033854004	0.000253641	9.613221169	0.001871455	0.00743912	0.000228525	0.000225034	0.000108399	0.093182229	2.02506E-06	7.92595E-05	0.000448351	0.001321558	0.000307996
2116 Feb	0.079385027	6.73625E-06	1.385367155	2.724504948	0.033855073	0.000253647	9.613424301	0.001871495	0.007439286	0.000228531	0.000225039	0.000108401	0.093184605	2.0251E-06	7.92611E-05	0.000448364	0.001321586	0.000308002
2116 Mar	0.079388529	6.73652E-06	1.385424256	2.72461915	0.033856615	0.000253657	9.613808632	0.00187157	0.007439589	0.000228541	0.000225048	0.000108405	0.093188561	2.02518E-06	7.92643E-05	0.000448383	0.001321638	0.000308013
2116 Apr	0.07940685	6.73806E-06	1.38574183	2.725244761	0.033864461	0.000253715	9.616004944	0.001871997	0.007441291	0.000228594	0.000225099	0.00010843	0.093209982	2.02564E-06	7.92824E-05	0.000448487	0.00132194	0.000308083
2116 May	0.079636626	6.74501E-06	1.387220144	2.72896409	0.033980791	0.000253745	9.617339134	0.001872857	0.007448952	0.000229649	0.000225227	0.000108512	0.09336485	2.0262E-06	7.93153E-05	0.000449802	0.001323042	0.000307884
2116 Jun	0.080031589	6.74885E-06	1.386724591	2.731372118	0.034211166	0.000253008	9.589774132	0.001871257	0.007444955	0.000231841	0.000225292	0.000108469	0.093524508	2.02007E-06	7.92278E-05	0.000452389	0.00132243	0.000307005
2116 Jul	0.080210924	6.76775E-06	1.389754176	2.737461805	0.034282405	0.000253578	9.610661507	0.001876116	0.007462443	0.000232264	0.00022596	0.000108731	0.0937334	2.02455E-06	7.94333E-05	0.000453477	0.001325923	0.00030789
2116 Aug	0.080357984	6.78286E-06	1.392457843	2.74293232	0.034344081	0.00025419	9.629795074	0.001880283	0.007476722	0.000232622	0.000226444	0.000108963	0.093921944	2.02833E-06	7.96119E-05	0.000454248	0.001328401	0.000308665
2116 Sep	0.080281816	6.78415E-06	1.391240597	2.740917683	0.034290455	0.000254582	9.621196747	0.001879858	0.007473364	0.000232054	0.000226292	0.000108895	0.093860216	2.02618E-06	7.9637E-05	0.000453524	0.001326896	0.000308788
2116 Oct	0.080207691	6.78446E-06	1.389463305	2.73735261	0.034213487	0.000255047	9.605545998	0.001877764	0.007471741	0.000231355	0.000225879	0.000108725	0.09375333	2.02365E-06	7.96252E-05	0.000452596	0.001324989	0.000308419
2116 Nov	0.080212757	6.78573E-06	1.389442921	2.737253666	0.034207709	0.000255161	9.604653358	0.001877693	0.007473029	0.000231295	0.000225843	0.000108714	0.093752846	2.02367E-06	7.96347E-05	0.000452537	0.001324955	0.000308384
2116 Dec	0.080213413	6.78579E-06	1.389451981	2.737269402	0.034207847	0.000255164	9.604699135	0.001877703	0.007473104	0.000231296	0.000225844	0.000108714	0.093753442	2.02369E-06	7.96354E-05	0.000452539	0.001324964	0.000308385
2117 Jan	0.080213934	6.78582E-06	1.38945663	2.737279415	0.034208059	0.000255166	9.604714394	0.001877706	0.007473134	0.000231297	0.000225844	0.000108714	0.093753852	2.02369E-06	7.96356E-05	0.000452541	0.001324967	0.000308384
2117 Feb	0.08021453	6.78584E-06	1.38946259	2.737293243	0.034208372	0.000255166	9.604741096	0.001877712	0.00747316	0.000231298	0.000225844	0.000108715	0.093754359	2.0237E-06	7.96358E-05	0.000452545	0.00132497	0.000308385
2117 Mar	0.08021874	6.78618E-06	1.389533162	2.737433434	0.034210201	0.000255179	9.605220795	0.001877806	0.007473537	0.00023131	0.000225856	0.00010872	0.093759194	2.0238E-06	7.96398E-05	0.000452568	0.001325036	0.0003084
2117 Apr	0.080242611	6.78819E-06	1.389945149	2.738245726	0.034220405	0.000255255	9.608064651	0.001878362	0.007475751	0.000231379	0.000225923	0.000108752	0.093787029	2.0244E-06	7.96633E-05	0.000452703	0.001325428	0.000308491
2117 May	0.080449156	6.79573E-06	1.391527414	2.742159128	0.034326147	0.000255356	9.61221981	0.001879785	0.007483571	0.000232301	0.00022612	0.000108859	0.093942456	2.02527E-06	7.97191E-05	0.000453908	0.001326634	0.000308493
2117 Jun	0.080813497	6.80831E-06	1.393656492	2.748084068	0.034515448	0.000255361	9.612815857	0.001881666	0.00749433	0.000233974	0.00022646	0.000109005	0.094189957	2.02543E-06	7.9789E-05	0.000456114	0.001328449	0.000308376
2117 Jul	0.080988899	6.82583E-06	1.396596909	2.754028082	0.034583632	0.000255944	9.633353233	0.001886244	0.007510913	0.000234397	0.000227025	0.000109255	0.09439382	2.02972E-06	7.99835E-05	0.000457018	0.001331403	0.00030921
2117 Aug	0.08108189	6.83755E-06	1.398340106	2.757701159	0.034619503	0.00025641	9.646092415	0.001889406	0.007520224	0.000234562	0.000227385	0.000109422	0.094520718	2.03207E-06	8.01196E-05	0.000457426	0.001332953	0.000309866
2117 Sep	0.081114247	6.84348E-06	1.399043798	2.759340048	0.03462933	0.000256753	9.651534081	0.00189102	0.007524449	0.000234542	0.000227552	0.000109499	0.094577931	2.03285E-06	8.01995E-05	0.000457535	0.001333459	0.000310252
2117 Oct	0.081076436	6.84411E-06	1.398234487	2.757838249	0.03459277	0.000257015	9.644886971	0.001890319	0.007523638	0.000234188	0.000227391	0.000109431	0.094532609	2.0316E-06	8.0207E-05	0.000457089	0.001332534	0.000310177
2117 Nov	0.081065901	6.84433E-06	1.398007751	2.757419586	0.034582347	0.000257094	9.643018723	0.001890129	0.007523446	0.000234086	0.000227347	0.000109412	0.09452004	2.03125E-06	8.02098E-05	0.000456962	0.001332273	0.000310158
2117 Dec	0.081066817	6.84448E-06	1.398020506	2.757446289	0.034582354	0.000257104	9.64308548	0.001890154	0.007523582	0.000234084	0.000227348	0.000109413	0.094521075	2.03127E-06	8.02115E-05	0.000456963	0.001332283	0.000310163
2118 Jan	0.081067763	6.84453E-06	1.398030996	2.757467985	0.034582745	0.000257106	9.643134117	0.001890164	0.007523645	0.000234086	0.000227349	0.000109414	0.094521903	2.03128E-06	8.0212E-05	0.000456968	0.00133229	0.000310163
2118 Feb	0.081068978	6.84459E-06	1.398045421	2.757499695	0.034583345	0.000257108	9.643213272	0.00189018	0.007523715	0.000234089	0.000227351	0.000109415	0.09452305	2.03129E-06	8.02127E-05	0.000456974	0.001332301	0.000310165
2118 Mar	0.081071354	6.84477E-06	1.398083091	2.757575274	0.034584407	0.000257115	9.643460274	0.001890228	0.007523913	0.000234096	0.000227356	0.000109417	0.094525672	2.03134E-06	8.02147E-05	0.000456988	0.001332335	0.000310173
2118 Apr	0.081106864	6.84629E-06	1.398481369	2.758476496	0.034602746	0.000257167	9.645542145	0.001890657	0.007525741	0.000234189	0.000227403	0.000109441	0.094558783	2.03172E-06	8.02321E-05	0.000457187	0.001332597	0.000310218
2118 May	0.081519179	6.85412E-06	1.400359273	2.764296293	0.034827109	0.000257009	9.640684128	0.001891193	0.007533637	0.000236154	0.00022752	0.000109527	0.094814464	2.0306E-06	8.02422E-05	0.000459605	0.001333438	0.000309686
2118 Jun	0.081878401	6.85789E-06	1.400429249	2.767633915	0.035043128	0.000256469	9.621692657	0.001890659	0.007531059	0.000238163	0.000227652	0.000109545	0.094992116	2.0257E-06	8.01976E-05	0.00046196	0.001332956	0.000309143
2118 Jul	0.08209496	6.87817E-06	1.40407145	2.774901867	0.035131231	0.000257156	9.646722794	0.001896005	0.007551374	0.000238731	0.000228326	0.000109843	0.095241882	2.03101E-06	8.04246E-05	0.000463168	0.001336672	0.000310068
2118 Aug	0.082101278	6.88654E-06	1.404523611	2.77609539	0.0351259	0.000257572	9.650583267	0.001897972	0.007553774	0.000238533	0.000228504	0.000109929	0.095287591	2.03136E-06	8.05157E-05	0.00046297	0.001336871	0.000310615
2118 Sep	0.081956655	6.88506E-06	1.402102828	2.771538973	0.035028826	0.000257987	9.63247776	0.001895972	0.00754604	0.000237607	0.000228103	0.000109758	0.095144913	2.02758E-06	8.04942E-05	0.000461674	0.001334175	0.000310461
2118 Oct	0.081856184	6.88318E-06	1.400055766	2.767548323	0.034946952	0.000258343	9.616074562	0.001893723	0.007541774	0.000236872	0.000227691	0.00010958	0.095019922	2.02459E-06	8.0467E-05	0.00046067	0.001331992	0.000310124
2118 Nov	0.081837498	6.88318E-06	1.399646282	2.766739368	0.034929108	0.000258446	9.6126194	0.001893272	0.007541283	0.000236709	0.000227601	0.000109543	0.094995268	2.024E-06	8.04648E-05	0.000460454	0.001331549	0.000310053
2118 Dec	0.081839256	6.88335E-06	1.399673462	2.766790628	0.034929644	0.000258454	9.612783432	0.001893306	0.007541467	0.000236712	0.000227605	0.000109544	0.094997101	2.02404E-06	8.04666E-05	0.000460462	0.001331575	0.000310058
2119 Jan	0.081840277	6.88341E-06	1.399686098	2.766816854	0.034930076	0.000258457	9.61285305	0.00189332	0.007541541	0.000236714	0.000227606	0.000109545	0.094998062	2.02406E-06	8.04673E-05	0.000460467	0.001331585	0.000310059
2119 Feb	0.081841759	6.8835E-06	1.399706364	2.766859293	0.034930777	0.00025846	9.612975121	0.001893344	0.007541643	0.000236718	0.000227609	0.000109547	0.094999574	2.02408E-06	8.04683E-05	0.000460475	0.001331602	0.000310062
2119 Mar	0.08184921	6.88411E-06	1.399831057	2.767106771	0.034933992	0.000258483	9.61382103	0.001893511	0.007542311	0.00023674	0.000227629	0.000109556	0.095008105	2.02426E-06	8.04754E-05	0.000460517	0.001331719	0.000310089
2119 Apr	0.081965096	6.88766E-06	1.400927067	2.769748688	0.034996744	0.000258597	9.618556976	0.001894524	0.007546897	0.000237033	0.000227729	0.000109608	0.095108032	2.02499E-06	8.05148E-05	0.000461166	0.001332272	0.000310151
2119 May	0.082686692	6.8954E-06	1.404387236	2.780916691	0.03541388	0.000258359	9.613360405	0.001895492	0.007556996	0.000239726	0.000227814	0.000109688	0.095584981	2.02231E-06	8.05251E-05	0.00046535	0.001332458	0.000309309
2119 Jun	0.082817852	6.90113E-06	1.40474236	2.782920122	0.035490762	0.000258265	9.610330582	0.001896642	0.007558107	0.000240363	0.00022809	0.000109753	0.095672153	2.02109E-06	8.05637E-05	0.00046631	0.001333016	0.000309485
2119 Jul	0.083014235	6.92053E-06	1.40801084	2.789469242	0.035569835	0.000258879	9.632615089	0.001901644	0.007576745	0.000240853	0.000228754	0.000110027	0.095897622	2.02588E-06	8.07761E-05	0.000467461	0.001336596	0.000310367
2119 Aug	0.083101578	6.93411E-06	1.409841418	2.793349266	0.035602845	0.000259491	9.64593029	0.001905218	0.007586274	0.000240941	0.000229139	0.000110212	0.096034445	2.02823E-06	8.09336E-05	0.000467795	0.001338125	0.000311141
2119 Sep	0.083026946	6.93548E-06	1.40876627	2.79134202	0.03555233	0.000259812	9.637919426	0.001904693	0.00758284	0.000240421	0.000228976	0.000110149	0.095974348	2.02648E-06	8.09435E-05	0.000467081	0.001336847	0.00031119
2119 Oct	0.08295773	6.93444E-06	1.407457709	2.788879871	0.035498943	0.000260061	9.627960205	0.001903453	0.007579878	0.00023993	0.000228739	0.000110044	0.095896237	2.02451E-06	8.09343E-05	0.000466423	0.001335418	0.000311051
2119 Nov	0.082927994	6.93379E-06	1.406878233	2.787755489	0.035475858	0.000260153	9.623438835	0.001902832	0.007578545	0.000239724	0.000228627	0.000109996	0.095860608	2.02366E-06	8.09262E-05	0.00046614	0.001334802	0.000310963
2119 Dec	0.082929775	6.93396E-06	1.40690577	2.787807703	0.035476442	0.00026016	9.623607635	0.001902866	0.007578725	0.000239728	0.00022863	0.000109997	0.095862478	2.0237E-06	8.09279E-05	0.000466148	0.001334828	0.000310968

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.0035	0.0000029	0.0000015	0.000000041	0.0010	0.00000046	0.00039	1.9E-08	1.9E-08	1.1E-10	1.2E-07	5.9E-08	4.0E-07	1.4E-06	2.1E-10	1.1E-03	4.1E-10	1.6E-08	2.4E-08	3.8E-08
Operations (2020-2043): Mean	1411	4.6	7.0	0.151	602	0.28	294	5.7E-04	5.7E-04	1.0E-05	1.5E-02	6.3E-03	4.7E-01	2.6E-02	2.0E-05	7.3E+01	9.3E-05	9.4E-04	9.3E-04	6.4E-03
Operations (2020-2043): Max	2269	9.3	14.2	0.24	978	0.49	481	9.5E-04	9.5E-04	1.9E-05	2.3E-02	8.9E-03	8.3E-01	5.2E-02	8.7E-05	1.1E+02	1.5E-04	2.1E-03	1.3E-03	1.1E-02
Active Closure (2044-2050): Min	240	0.51	0.77	0.014	71	0.062	76	6.1E-04	6.1E-04	5.3E-06	4.9E-03	1.4E-03	8.4E-02	9.1E-03	5.3E-06	2.3E+01	2.2E-05	1.0E-04	2.3E-04	1.7E-03
Active Closure (2044-2050): Mean	386	0.92	1.41	0.030	129	0.086	107	8.8E-04	8.8E-04	5.8E-06	6.4E-03	2.2E-03	1.4E-01	1.1E-02	5.7E-06	3.0E+01	3.2E-05	2.3E-04	3.1E-04	2.2E-03
Active Closure (2044-2050): Max	1504	4.4	6.8	0.17	629	0.27	322	9.4E-04	9.4E-04	8.2E-06	1.5E-02	6.4E-03	4.3E-01	2.4E-02	8.2E-06	8.1E+01	9.0E-05	1.0E-03	8.3E-04	5.9E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Post Closure (2051-2119): Min	307	0.093	0.086	0.0023	26	0.033	95	7.7E-04	7.7E-04	5.7E-06	6.2E-03	2.1E-03	1.3E-01	1.0E-02	5.5E-06	2.8E+01	3.0E-05	1.8E-04	2.9E-04	2.1E-03
Post Closure (2051-2119): Mean	482	0.25	0.35	0.0067	48	0.044	186	8.2E-04	8.2E-04	6.1E-06	9.3E-03	3.6E-03	2.2E-01	1.8E-02	5.9E-06	5.3E+01	5.2E-05	3.0E-04	5.4E-04	3.3E-03
Post Closure (2051-2119): Max	579	0.61	0.92	0.016	89	0.069	240	8.9E-04	8.9E-04	6.5E-06	1.1E-02	4.3E-03	2.8E-01	2.1E-02	6.2E-06	6.7E+01	6.3E-05	3.4E-04	6.6E-04	4.0E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2119)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0.003470802	2.89129E-06	1.47705E-06	4.12691E-08	0.001042326	4.6439E-07	0.000387906	1.92831E-08	1.92831E-08	1.14739E-10	1.16589E-07	5.90554E-08	4.04291E-07	1.40764E-06	2.07518E-10	0.001109994	4.1398E-10	1.57495E-08	2.3723E-08	3.8417E-08
2024 Feb	0.010250315	8.35859E-06	5.73435E-06	1.60056E-07	0.003394134	1.3435E-06	0.001315089	4.75534E-08	4.75534E-08	3.27317E-10	2.94675E-07	1.57966E-07	1.66532E-06	3.49478E-06	7.79506E-10	0.002741278	1.09154E-09	4.4267E-08	5.99266E-08	9.92069E-08
2024 Mar	0.015748829	1.23009E-05	9.47496E-06	2.71712E-07	0.005502215	2.02829E-06	0.002176431	6.45716E-08	6.45716E-08	4.93525E-10	4.07379E-07	2.27989E-07	2.97729E-06	4.77109E-06	1.35709E-09	0.003724656	1.55615E-09	6.61584E-08	8.29236E-08	1.39331E-07
2024 Apr	0.019816164	1.51197E-05	1.24783E-05	3.61951E-07	0.007135672	2.52675E-06	0.002853576	7.49653E-08	7.49653E-08	6.1393E-10	4.79076E-07	2.75966E-07	4.05682E-06	5.56047E-06	1.82457E-09	0.004326364	1.86886E-09	8.18528E-08	9.75686E-08	1.65651E-07
2024 May	10.08102322	0.009202999	0.01271055	0.00032647	4.33916378	0.001377535	1.827157021	2.10643E-05	2.10643E-05	3.04308E-07	0.000169587	0.000102146	0.003264675	0.001228081	1.29558E-06	0.921968102	7.72765E-07	3.55826E-05	2.44957E-05	5.28645E-05
2024 Jun	57.76217651	0.045197159	0.062186636	0.001721819	24.98779106	0.007792064	10.57359028	0.000123062	0.000123062	1.78841E-06	0.000989732	0.000583545	0.01879471	0.006756278	7.68153E-06	5.021363258	4.4665E-06	0.000206672	0.000135462	0.000294695
2024 Jul	64.29581451	0.053897545	0.075319201	0.002016789	27.90318298	0.008842899	11.80243587	0.000135438	0.000135438	1.98507E-06	0.001097401	0.000643367	0.021171119	0.007278431	8.53112E-06	5.414138794	4.95329E-06	0.00022742	0.000146732	0.00032605
2024 Aug	73.43984985	0.07010185	0.099597476	0.002517837	32.01420212	0.010487008	13.51742077	0.000149432	0.000149432	2.2359E-06	0.001221876	0.00072369	0.02460302	0.007964317	9.63183E-06	5.955895424	5.506E-06	0.000254251	0.000161694	0.000370572
2024 Sep	477.6768494	1.068141103	1.580437303	0.030848168	214.0425568	0.088074699	88.39656067	0.000650772	0.000650772	1.21684E-05	0.007249592	0.004035663	0.182767496	0.034847755	5.25478E-05	28.66020203	3.32869E-05	0.001304647	0.000774296	0.002422237
2024 Oct	588.423645	1.304822803	1.9289608	0.037739441	264.1268616	0.108200073	109.1933746	0.000782778	0.000782778	1.49671E-05	0.008838351	0.004955599	0.225295886	0.04228415	6.51522E-05	34.71972656	4.06218E-05	0.001609376	0.000944256	0.002963838
2024 Nov	606.4951782	1.265111446	1.86459744	0.037011374	272.3452148	0.109364964	112.9609375	0.000815826	0.000815826	1.56602E-05	0.009058686	0.005154802	0.23018688	0.044307221	6.88582E-05	35.92080307	4.14638E-05	0.001698051	0.000985296	0.003024541
2024 Dec	607.7581787	1.268899202	1.870349526	0.037116956	272.9192505	0.109604307	113.1942139	0.000816748	0.000816748	1.5687E-05	0.009073468	0.005164335	0.230702773	0.044376634	6.89786E-05	35.98254776	4.15475E-05	0.001700966	0.000987073	0.003030769
2025 Jan	607.9393311	1.266968727	1.867352724	0.037073027	272.9961853	0.109558433	113.2354584	0.000817194	0.000817194	1.56973E-05	0.009072986	0.005167548	0.230698928	0.044429448	6.90426E-05	36.01132584	4.15481E-05	0.00170267	0.000988075	0.003030982
2025 Feb	608.1194458	1.266090393	1.865983486	0.037053719	273.0691833	0.109537095	113.2698288	0.000817501	0.000817501	1.57041E-05	0.009072766	0.005170223	0.230717242	0.044478107	6.90824E-05	36.04248047	4.15539E-05	0.001703869	0.000989019	0.003031657
2025 Mar	608.298584	1.265791893	1.865502954	0.037048399	273.1452942	0.109540567	113.3035736	0.00081778	0.00081778	1.57099E-05	0.009073899	0.005172366	0.230758205	0.044510495	6.9113E-05	36.06429291	4.15627E-05	0.001704744	0.000989664	0.003032437
2025 Apr	608.9210205	1.266711712	1.866835237	0.037077215	273.4223022	0.10963656	113.419693	0.00081864	0.00081864	1.57266E-05	0.009082336	0.005178009	0.230979145	0.044566985	6.91895E-05	36.10758209	4.16033E-05	0.001706698	0.000990876	0.003033548

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 May	619.0111084	1.288708925	1.899353027	0.037715659	277.9528198	0.111473002	115.2943039	0.000831909	0.000831909	1.59834E-05	0.009231974	0.005263124	0.234831974	0.045295775	7.0314E-05	36.70332336	4.22956E-05	0.001734478	0.001007169	0.003086056
2025 Jun	646.2869263	1.000463963	1.482887626	0.031774826	290.5482788	0.102560021	121.9994431	0.00090799	0.00090799	1.77209E-05	0.009215277	0.005666543	0.237590522	0.049374752	8.07885E-05	37.85411453	4.42342E-05	0.001982697	0.001103027	0.00302988
2025 Jul	659.0236816	0.811017871	1.209089756	0.027797006	296.5463867	0.096664682	125.4221954	0.000950444	0.000950444	1.87009E-05	0.009079323	0.005888635	0.237640724	0.051676843	8.68612E-05	38.34433365	4.47467E-05	0.002123708	0.001156054	0.002979706
2025 Aug	684.1825562	0.974187493	1.460324168	0.031989422	307.9959106	0.10413412	129.6789703	0.000954863	0.000954863	1.89672E-05	0.00933957	0.006027541	0.250223994	0.0521827	8.74132E-05	39.34251404	4.6404E-05	0.002136369	0.001176511	0.003137771
2025 Sep	722.2836914	1.326082349	2.000146627	0.040765382	325.2966919	0.117898345	135.6407776	0.000937188	0.000937188	1.9014E-05	0.009821007	0.006161779	0.271992773	0.051782619	8.60387E-05	40.54209137	4.95997E-05	0.002105462	0.001189199	0.003406533
2025 Oct	757.0996704	1.672849894	2.530152082	0.049343377	341.0978699	0.131243005	140.9836273	0.000915776	0.000915776	1.89736E-05	0.01030294	0.006268782	0.292449474	0.051198941	8.42574E-05	41.60513687	5.26684E-05	0.002064705	0.001196783	0.003663993
2025 Nov	772.180603	1.821419954	2.757443905	0.05302446	347.9408569	0.136956334	143.3038025	0.000906975	0.000906975	1.89622E-05	0.01051041	0.00631611	0.301275939	0.050957642	8.35204E-05	42.06438828	5.40034E-05	0.002047873	0.00120034	0.003774659
2025 Dec	772.4307861	1.823189616	2.760138035	0.0530691	348.0539856	0.137033641	143.3451996	0.000907001	0.000907001	1.89644E-05	0.010513976	0.006317375	0.30140391	0.050961621	8.35227E-05	42.07460403	5.40236E-05	0.002047944	0.001200522	0.003776288
2026 Jan	772.508728	1.823839307	2.761124849	0.053085116	348.0883179	0.137059212	143.3571472	0.000906984	0.000906984	1.89646E-05	0.010514977	0.006317749	0.301444381	0.050964281	8.35207E-05	42.07942581	5.40301E-05	0.002047925	0.001200606	0.003776863
2026 Feb	772.4960327	1.82365799	2.760838032	0.053080481	348.0812073	0.137051791	143.3547058	0.000907004	0.000907004	1.89646E-05	0.010514696	0.006317813	0.301432699	0.050968632	8.35215E-05	42.08201218	5.40286E-05	0.002047978	0.001200673	0.003776808
2026 Mar	772.7398071	1.824939609	2.762800694	0.053113725	348.1907654	0.137111291	143.3963318	0.000907112	0.000907112	1.89679E-05	0.010517726	0.006319411	0.301542997	0.050977882	8.35315E-05	42.09397888	5.4047E-05	0.002048248	0.00120096	0.003778231
2026 Apr	773.6033936	1.828634501	2.768453836	0.053211998	348.5804138	0.137303993	143.5488892	0.000907708	0.000907708	1.8983E-05	0.010528929	0.006325473	0.301918417	0.05101556	8.35876E-05	42.13531876	5.41108E-05	0.00204965	0.001202029	0.003782946
2026 May	784.8549805	1.917973757	2.905883789	0.055458102	353.6424561	0.140789583	145.3289032	0.000906101	0.000906101	1.90282E-05	0.010667026	0.006381242	0.307719767	0.051079411	8.33748E-05	42.57641983	5.5048E-05	0.002045934	0.001210026	0.00385778
2026 Jun	766.614563	2.060625315	3.12809515	0.058516115	344.328949	0.141757935	140.4147644	0.000892834	0.000892834	1.80127E-05	0.010704456	0.006187564	0.303266555	0.049338475	7.65565E-05	42.36539459	5.54177E-05	0.001900499	0.001177281	0.003864371
2026 Jul	772.7229004	2.138391733	3.248911619	0.060444828	347.0427856	0.14458555	141.2208557	0.00089533	0.00089533	1.79759E-05	0.010837009	0.00620576	0.307138771	0.04894362	7.57926E-05	42.44978714	5.61597E-05	0.001881827	0.001174452	0.003916648
2026 Aug	819.4110718	2.567564011	3.910649538	0.07117407	368.2732544	0.161064386	148.455658	0.000876831	0.000876831	1.79856E-05	0.011380519	0.006397731	0.332959592	0.048125032	7.37531E-05	43.74820709	5.99235E-05	0.00183266	0.001189568	0.004243153
2026 Sep	862.1889648	2.953188181	4.504076004	0.080805115	387.7141724	0.175739035	155.117981	0.000857626	0.000857626	1.80043E-05	0.01189711	0.006572876	0.356435031	0.047460999	7.20539E-05	44.9744606	6.34885E-05	0.001793177	0.00120513	0.004536368
2026 Oct	924.8914185	3.569329023	5.451569557	0.096102543	416.2136841	0.198637724	164.6494751	0.000819628	0.000819628	1.78587E-05	0.01267968	0.006799968	0.392022967	0.045904353	6.84404E-05	46.61060333	6.88894E-05	0.001708222	0.001218835	0.004984147
2026 Nov	925.6595459	3.574561596	5.459562778	0.096235044	416.5592041	0.198867515	164.775528	0.00081992	0.00081992	1.7866E-05	0.012691288	0.006804334	0.392401367	0.045916766	6.8447E-05	46.64263153	6.89529E-05	0.001708432	0.001219436	0.004989102
2026 Dec	925.6517334	3.574490786	5.459439278	0.096233077	416.5549011	0.198867813	164.7739868	0.000819997	0.000819997	1.78663E-05	0.012691814	0.006804358	0.39239639	0.045917969	6.84473E-05	46.64344788	6.89531E-05	0.001708444	0.001219437	0.004989108
2027 Jan	925.6195679	3.574352264	5.459219933	0.096229255	416.5396118	0.198861599	164.7679138	0.000820013	0.000820013	1.78659E-05	0.012691671	0.006804177	0.39238137	0.045918036	6.84449E-05	46.64314651	6.89512E-05	0.001708398	0.001219415	0.004988974
2027 Feb	925.6036987	3.574280262	5.459105968	0.096227258	416.5317688	0.198857903	164.7647552	0.000820021	0.000820021	1.78656E-05	0.012691551	0.006804104	0.392373264	0.045918874	6.84436E-05	46.64359283	6.89502E-05	0.001708379	0.001219419	0.004988917
2027 Mar	925.7022095	3.574654818	5.459676266	0.096237317	416.5757446	0.198878929	164.782135	0.00082012	0.00082012	1.78675E-05	0.012692955	0.006804852	0.392414331	0.045924649	6.84508E-05	46.64923859	6.89577E-05	0.001708567	0.001219563	0.004989463
2027 Apr	926.5375366	3.577877283	5.464596748	0.096324049	416.9513855	0.199058294	164.9307098	0.000820867	0.000820867	1.78837E-05	0.012704439	0.006811005	0.392767966	0.045966588	6.85125E-05	46.69171906	6.902E-05	0.001710112	0.001220671	0.004993974
2027 May	946.9912109	3.748436213	5.72728014	0.100609533	426.2338257	0.205645218	168.1773987	0.000814331	0.000814331	1.79424E-05	0.012946488	0.006900422	0.403685749	0.045833331	6.80135E-05	47.34447861	7.07143E-05	0.001698461	0.001231509	0.005128958
2027 Jun	916.996582	3.913662434	5.98580122	0.10414362	412.0429382	0.207330346	161.1750793	0.000797372	0.000797372	1.66818E-05	0.0130473	0.006540544	0.397667289	0.041558009	5.95748E-05	45.3677063	7.08345E-05	0.001497476	0.001145695	0.005083935
2027 Jul	892.831543	3.837419987	5.869610786	0.102046549	400.8231506	0.203190073	156.6264038	0.000805978	0.000805978	1.6296E-05	0.012955866	0.006371331	0.387774348	0.040429927	5.74014E-05	44.34678268	6.975E-05	0.001445705	0.001111744	0.004975391
2027 Aug	917.7949829	4.048873425	6.195139885	0.107354596	412.1459656	0.211533785	160.5708313	0.000800691	0.000800691	1.63719E-05	0.013262364	0.006480707	0.401201099	0.040233988	5.67288E-05	45.14491272	7.17749E-05	0.001429516	0.001123683	0.00514325
2027 Sep	980.9499512	4.634286404	7.095962524	0.121954396	440.8910828	0.23366487	170.3654938	0.000766986	0.000766986	1.63513E-05	0.014004718	0.006718513	0.436400771	0.039039299	5.39279E-05	46.90194702	7.70003E-05	0.001361502	0.00114462	0.00557806
2027 Oct	1007.557861	4.898313999	7.501526356	0.128501579	452.9890442	0.243528098	174.4082947	0.000750699	0.000750699	1.62893E-05	0.014341189	0.00680912	0.45161894	0.038361825	5.23675E-05	47.61127472	7.92843E-05	0.001323644	0.001150492	0.005768737
2027 Nov	1008.243347	4.912927628	7.523664951	0.128848359	453.288208	0.244056016	174.4709625	0.000750101	0.000750101	1.62668E-05	0.014363405	0.006807675	0.452185512	0.038274344	5.21552E-05	47.62452316	7.93773E-05	0.001318568	0.001149318	0.005777396
2027 Dec	1009.759216	4.925941944	7.543698311	0.129174605	453.9784851	0.244554922	174.7110901	0.000749426	0.000749426	1.62695E-05	0.014380783	0.006813969	0.453005433	0.038256947	5.21108E-05	47.66912842	7.9501E-05	0.001317489	0.001150007	0.00578745
2028 Jan	1009.701233	4.925639629	7.543225288	0.129166543	453.951355	0.244541764	174.7006226	0.000749442	0.000749442	1.62688E-05	0.014380352	0.006813652	0.452977568	0.038256988	5.21079E-05	47.66815948	7.94971E-05	0.001317431	0.001149969	0.005787171
2028 Feb	1009.685181	4.92553997	7.543067455	0.129163846	453.9430847	0.244537309	174.6973877	0.000749462	0.000749462	1.62687E-05	0.014380259	0.006813608	0.45296827	0.038258776	5.2107E-05	47.66920471	7.94961E-05	0.001317428	0.001149988	0.005787117
2028 Mar	1009.696716	4.925584793	7.543132305	0.129164964	453.9476929	0.244539812	174.6991272	0.000749489	0.000749489	1.62689E-05	0.014380505	0.006813725	0.452972263	0.038260639	5.21075E-05	47.67083359	7.94972E-05	0.001317454	0.001150023	0.005787207
2028 Apr	1010.139709	4.927738667	7.546428204	0.12922141	454.1465149	0.244646922	174.7756195	0.00074983	0.00074983	1.62761E-05	0.014386864	0.006816738	0.45317024	0.038278285	5.21303E-05	47.69239807	7.95322E-05	0.001318039	0.001150541	0.00578976
2028 May	1012.885193	4.943479061	7.57059288	0.129627392	455.3862305	0.245357841	175.2404633	0.000750941	0.000750941	1.63086E-05	0.014422911	0.006832661	0.454444319	0.038345627	5.22128E-05	47.80857468	7.97475E-05	0.001320155	0.001153128	0.005805769
2028 Jun	927.1326904	4.57047081	7.000056267	0.11973919	415.8986206	0.226984188	159.6824341	0.000764861	0.000764861	1.50712E-05	0.013848909	0.006247614	0.41638875	0.035144731	4.65005E-05	44.25387573	7.5039E-05	0.001184488	0.00104704	0.005362486
2028 Jul	898.800415	4.465313435	6.839705944	0.116896912	402.7839355	0.221561	154.4037018	0.000774409	0.000774409	1.46145E-05	0.013710065	0.006039102	0.404040575	0.03388796	4.41191E-05	43.06365585	7.36359E-05	0.001127756	0.00100754	0.00522436
2028 Aug	927.9769897	4.673582077	7.159883022	0.122146271	416.0071411	0.230192989	159.0970612	0.000776674	0.000776674	1.47373E-05	0.01406205	0.006152582	0.417875022	0.033937186	4.37468E-05	44.12882996	7.58109E-05	0.001119704	0.001022922	0.005399821
2028 Sep	1128.238281	6.679870129	10.20892715	0.170604035	507.1021423	0.304786533	187.7050781	0.000651592	0.000651592	1.22307E-05	0.016858859	0.006091684	0.513635874	0.025471883	2.2878E-05	49.8637352	9.11928E-05	0.000625016	0.000957602	0.006712432
2028 Oct	1323.59021	8.403390884	12.83861828	0.212711751	596.2868042	0.369197488	217.0197144	0.00053851	0.00053851	1.06582E-05	0.019178389	0.006240837	0.603984714	0.019624226	8.63066E-06	55.52948761	0.000105564	0.000286988	0.00094598	0.007896321
2028 Nov	1188.873901	7.518761158	11.46857357	0.190112144	534.5048218	0.334757447	194.5742493	0.000591594	0.000591594	1.00602E-05	0.018071756	0.005693231	0.540745795	0.019420819	8.23738E-06	51.3947525	9.59642E-05	0.000277941	0.00085914	0.007162649
2028 Dec	1185.724365	7.498146534	11.43658638	0.189584881	533.0563965	0.333969921	194.0482941	0.000593201	0.000593201	1.00484E-05	0.018049024	0.005680955	0.539274752	0.019422667	8.23068E-06	51.30320358	9.57453E-05	0.000277817	0.000857166	0.007145888
2029 Jan	1183.64624	7.484189987	11.41499138	0.189228252	532.0900269	0.333405316	193.6963959	0.000593971	0.000593971	1.00389E-05	0.018029083	0.005673538	0.538273454	0.019458605	8.22457E-06	51.26644897	9.55963E-05	0.000278033	0.000856568	0.007134906
2029 Feb	1182.636841	7.47704792	11.40394497	0.189045474	531.6089478	0.333101004	193.520462	0.000594365	0.000594365	1.0034E-05	0.018017305	0.005670748	0.537757516	0.019510105	8.22144E-06	51.2725029	9.55229E-05	0.000278443	0.000856901	0.007129824
2029 Mar	1182.374268	7.474982262	11.40071487	0.188992098	531.4763184	0.333016366	193.4717407	0.000594713	0.000594713	1.00337E-05	0.018015221	0.00567058	0.537607789	0.019542048	8.22168E-06	51.28762817	9.5506E-05	0.000278725	0.000857278	0.007128774
2029 Apr	1183.700439	7.483140469	11.41311264	0.189197734	532.0643311	0.333383948	193.6855621	0.000595647	0.000595647	1.0046E-05	0.018036494	0.005677547	0.538193941	0.019584155	8.23205E-06	51.35990906	9.56155E-05	0.00027923	0.000858555	0.007137066
2029 May	1266.054077	7.95262289	12.13955116	0.201211199	568.2634277	0.355697304	209.2056885	0.000572445	0.000572445	1.04312E-05	0.018826375	0.006031755	0.578634918	0.020042943	8.50354E-06	54.5324173	0.000102058	0.000288367	0.000919118	0.007620282
2029 Jun	940.0181885	5.32980442	8.145363808	0.13727501	411.0387268	0.254534304	170.4990845	0.00067046	0.00067046	8.56376E-06	0.015318472	0.004573209	0.417897612	0.016656319	7.3912E-06	45.2528801	8.36781E-05	0.00027752	0.000705333	0.005659175
2029 Jul	672.5785522	3.019789457	4.577526569	0.082230628	283.4770203	0.172134504	145.8231812	0.000840039	0.000840039	7.10913E-06	0.011270903	0.003427823	0.25734514	0.015423507	6.72655E-06	40.27359772	5.70268E-05	0.000221438	0.000483352	0.004041011
2029 Aug	1549.096313	7.816302776	11.9035387	0.206612006	670.7207642	0.389529586	320.5546265	0.000500893	0.000500893	1.01802E-05	0.018956587	0.006861196	0.644051135	0.018619971	8.84606E-06	76.36414337	0.000118782	0.000328681	0.001039402	0.008765434
2029 Sep	1514.005615	7.799250126	11.8475914	0.20443143	656.7254028	0.386086255	308.1029358	0.000465856	0.000465856	9.99066E-06	0.019627033	0.006729133	0.638331294	0.018914286	8.59255E-06	74.21520233	0.000119452	0.00032973	0.001031101	0.008664792
2029 Oct	1486.156128	7.866850853	11.95921326	0.204721391	646.7737427	0.386565	295.4825745	0.000443182	0.000443182	9.97883E-06	0.019720439	0.006664716	0.640207231	0.018767139	8.47185E-06	71.3126297	0.000118781	0.00031769	0.001026697	0.008614875
2029 Nov	1652.143677	9.121193886	13.91586113	0.23536019	723.7093506	0.440327376	316.8215027	0.000385331	0.000385331	1.10096E-05	0.02151723	0.007437487	0.737142801	0.01939596	9.09375E-06	75.14428711	0.000131999	0.000324784	0.001154004	0.009677383
2029 Dec	1661.27063	9.186168671	14.01699257	0.236964971	727.8966675	0.443137169	318.1280823	0.000382411	0.000382411	1.10629E-05	0.02161287	0.00747884	0.742202759	0.019430963	9.12711E-06	75.38774872	0.000132715	0.000325309	0.001160773	0.009734032
2030 Jan	1659.577026	9.176415443	14.0019331	0.236711159	727.1374512	0.442698956	317.7944336	0.000383082	0.000383082	1.10564E-05	0.021597754	0.007472689	0.741415024	0.019451335	9.12271E-06	75.34090424	0.00013259	0.00032538	0.001160104	0.009725005
2030 Feb	1658.940063	9.172521591	13.99590492	0.236609429	726.8435669	0.442518771	317.664093	0.000383472	0.000383472	1.10544E-05	0.021591702	0.007471017	0.741098464	0.019483246	9.12154E-06	75.3403244	0.000132544	0.000325629	0.00116027	0.00972186
2030 Mar	1659.123901	9.173335075	13.99709797	0.23662971	726.9160767	0.442562222	317.6947021	0.000383808	0.000383808	1.10568E-05	0.021595314	0.007472496	0.741163135	0.019506847	9.12383E-06	75.3640976	0.000132562	0.000325868	0.001160731	0.009723256
2030 Apr	1661.500244	9.186358452	14.01694202	0.236965254	727.9525757	0.443192869	318.1471252	0.000384524	0.000384524	1.10734E-05	0.021626938	0.00748357	0.742214739	0.019547025	9.13762E-06	75.48085022	0.000132753	0.000326451	0.001162584	0.009737365
2030 May	1686.34082	9.310379982	14.20679188	0.240148261	738.8569946	0.44936049	322.8510437	0.000387888	0.000387888	1.12207E-05	0.021909956	0.007589435	0.752700269	0.019802243	9.25581E-06	76.57447815	0.000134604	0.000330713	0.001178921	0.009872155
2030 Jun	794.7001343	2.763519287	4.10273695	0.080479279	327.9891052	0.155633718	199.4699402	0.00067404	0.00067404	5.88117E-06	0.011832856	0.003394037	0.249443337	0.013280552	5.93895E-06	50.91279984	6.89842E-05	0.000286877	0.000501901	0.004068462
2030 Jul	1312.273193	4.5235672	6.808682919	0.126789764	554.8562012	0.259522766	306.7427063	0.000589371	0.000589371	7.592E-06	0.014541244	0.005235905	0.423693538	0.015049186	7.22694E-06	73.01295471	9.49376E-05	0.000299112	0.000743985	0.006322741
2030 Aug	1993.448364	7.502277851	11.36733532	0.203587592	855.1109619	0.411411464	441.5209045	0.000404368	0.000404368	9.94934E-06	0.019565227	0.007765644	0.68819195	0.017901555	8.88245E-06	101.3847275	0.000136519	0.00036052	0.001121612	0.009588337
2030 Sep	2153.384766	8.034529686	12.1449604	0.2184508	922.8897705	0.438484222	481.0504456	0.000354546	0.000354546	1.02208E-05	0.021083461	0.008274031	0.737106502	0.018550735	9.14143E-06	110.109436	0.000148141	0.000394553	0.001202751	0.010273854
2030 Oct	1635.971558	6.186239243	9.31684494	0.166648	700.6532593	0.343181878	360.0435181	0.000441272	0.000441272	8.71059E-06	0.017935237	0.006475458	0.565304518	0.017443987	7.81704E-06	85.37693787	0.000115951	0.000334579	0.000939902	0.007992807
2030 Nov	1621.770142	6.28584528	9.484809875	0.167821541	696.6072998	0.347135186	349.6777649	0.000445038	0.000445038	8.88685E-06	0.018053114	0.006480987	0.571831465	0.017590534	7.86716E-06	83.19693756	0.000115367	0.000327953	0.000941549	0.007996414
2030 Dec	1619.714111	6.279761314	9.475619316	0.167636827	695.7371826	0.346840292	349.1296387	0.00044613	0.00044613	8.88636E-06	0.018045893	0.006475017	0.571248114	0.017598039	7.86625E-06	83.09303284	0.000115243	0.000327782	0.000940639	0.007988384
2031 Jan	1617.625854	6.271365643	9.462730408	0.167409733	694.8192749	0.346416414	348.6647644	0.000446898	0.000446898	8.88113E-06	0.018031633	0.006468607	0.570483088	0.017626753	7.86241E-06	83.02350616	0.000115109	0.000327873	0.000940098	0.007979337
2031 Feb	1616.582886	6.267015457	9.456056595	0.16729188	694.3532104	0.346185327	348.4267273	0.000447294	0.000447294	8.8784E-06	0.018023064	0.006466019	0.570083976	0.017665878	7.8604E-06	83.00563812	0.000115041	0.000328139	0.000940286	0.007975038
2031 Mar	1616.424316	6.266233444	9.454816818	0.167270079	694.2753296	0.34614715	348.3853455	0.000447622	0.000447622	8.87917E-06	0.01802296	0.006466247	0.57001102	0.017691666	7.8613E-06	83.01692963	0.000115034	0.000328367	0.000940627	0.007974718
2031 Apr	1624.372681	6.297201157	9.501782417	0.168084502	697.7001343	0.347872704	350.0405579	0.000449394	0.000449394	8.92259E-06	0.018108163	0.006498368	0.572891355	0.017784204	7.89832E-06	83.41493988	0.000115593	0.000329945	0.000945456	0.008013947
2031 May	1667.845459	6.405351639	9.685365677	0.170025989	716.0697632	0.357393861	354.561554	0.000458583	0.000458583	9.2841E-06	0.01840185	0.006752136	0.592374206	0.020446461	8.11254E-06	86.09988403	0.000118721	0.000354858	0.001014419	0.008234477
2031 Jun	938.5031738	3.028323174	4.515750408	0.084037833	390.0968933	0.183506265	213.674408	0.000712918	0.000712918	6.81393E-06	0.012643225	0.004202877	0.29541865	0.024827596	6.50511E-06	62.20785141	7.45848E-05	0.000376646	0.000739026	0.004729098
2031 Jul	1416.161987	4.543634892	6.827843666	0.126231134	595.1741333	0.276926994	326.0547791	0.000680059	0.000680059	8.5195E-06	0.016182516	0.005793052	0.455366582	0.021629572	7.95665E-06	82.11148071	0.000104381	0.000384011	0.000883229	0.006793494
2031 Aug	2070.133545	7.040889263	10.66880417	0.190643564	883.2893066	0.419097275	460.5026245	0.00035791	0.00035791	1.00841E-05	0.019634783	0.007979578	0.705185115	0.017846003	8.78975E-06	105.4695282	0.000139795	0.000368112	0.001131944	0.009688398
2031 Sep	2269.027832	8.32437706	12.67866707	0.218062654	977.6623535	0.486928582	472.6929016	0.000296904	0.000296904	1.15757E-05	0.022343673	0.00889443	0.82400769	0.019043295	9.51683E-06	107.9056778	0.000154824	0.000369044	0.001264681	0.010847166
2031 Oct	2055.036133	7.657914639	11.65910625	0.199013114	886.4807129	0.449883312	420.9852295	0.000351419	0.000351419	1.10793E-05	0.02126516	0.008183008	0.755918145	0.01892188	9.08794E-06	97.4914093	0.000142069	0.000344583	0.001163046	0.009956019
2031 Nov	2205.019287	8.321880341	12.69521141	0.215350434	953.2852173	0.485502601	446.572998	0.000312403	0.000312403	1.17475E-05	0.022416407	0.008762722	0.820198417	0.019308124	9.49975E-06	102.5250854	0.000151796	0.000352648	0.001247201	0.010679272
2031 Dec	2202.288086	8.311923027	12.67983818	0.215085074	952.0981445	0.484974951	445.9864197	0.000313493	0.000313493	1.17407E-05	0.022401078	0.008753414	0.819212198	0.01930959	9.49538E-06	102.41259	0.000151626	0.000352475	0.001245834	0.010667362
2032 Jan	2200.280762	8.304183006	12.6678791	0.214882344	951.2157593	0.484550416	445.5680847	0.000314167	0.000314167	1.17345E-05	0.022387108	0.00874684	0.818446994	0.019329142	9.49124E-06	102.3461151	0.000151498	0.000352523	0.001245188	0.010658555
2032 Feb	2199.209229	8.299921036	12.66129494	0.214770839	950.7390137	0.484308273	445.3423462	0.000314528	0.000314528	1.1731E-05	0.022378532	0.008743748	0.81802392	0.019357093	9.48891E-06	102.3229141	0.00015143	0.000352707	0.001245169	0.010653995
2032 Mar	2199.107666	8.299419403	12.66048527	0.214757189	950.6877441	0.484282553	445.3170166	0.000314791	0.000314791	1.17317E-05	0.022378756	0.008743975	0.817972839	0.019376419	9.48972E-06	102.3326035	0.000151425	0.000352883	0.001245428	0.010653844

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2032 Apr	2202.739746	8.31306076	12.68126965	0.215109825	952.2539063	0.48508054	446.0498657	0.000315466	0.000315466	1.17517E-05	0.022416418	0.008758769	0.819316447	0.019419676	9.50608E-06	102.5096436	0.000151677	0.000353572	0.001247662	0.010671629
2032 May	2257.445068	8.408257484	12.82776356	0.217583314	976.2528687	0.491817355	456.9090881	0.000314044	0.000314044	1.18857E-05	0.022660337	0.00891118	0.831257463	0.019691421	9.61185E-06	104.9468536	0.000154132	0.000359113	0.001267169	0.010825475
2032 Jun	1641.077881	4.988209248	7.594977379	0.131143808	704.255188	0.310987085	339.6212463	0.000536885	0.000536885	8.93225E-06	0.016488571	0.006182572	0.52108705	0.016960066	7.71112E-06	81.20545197	0.000109408	0.000321952	0.000857477	0.007082839
2032 Jul	1384.943481	3.77219677	5.705915928	0.102525175	585.7828979	0.245234907	305.9068298	0.000575559	0.000575559	7.51946E-06	0.014143337	0.005141305	0.406767964	0.014677391	6.86493E-06	73.39505005	9.35343E-05	0.000301568	0.000698194	0.005822086
2032 Aug	1572.051025	4.21388483	6.384716034	0.113832414	668.4343872	0.274016023	342.7193298	0.000542822	0.000542822	7.9647E-06	0.014941244	0.005693295	0.456316531	0.015077074	7.17364E-06	81.14009857	0.000101716	0.000310225	0.000764548	0.006434759
2032 Sep	1638.854248	4.364315987	6.613323212	0.117766574	697.6369019	0.284023017	356.5626221	0.000531552	0.000531552	8.11078E-06	0.015244924	0.005888785	0.473402321	0.01524899	7.28245E-06	84.10832214	0.000104705	0.000314975	0.000788231	0.006653493
2032 Oct	1658.367798	4.405525208	6.674764156	0.118844435	706.1265869	0.286867321	360.7054138	0.000528365	0.000528365	8.14956E-06	0.015347108	0.005945109	0.478127837	0.015319096	7.31256E-06	85.016922	0.000105594	0.000316425	0.000795039	0.006717261
2032 Nov	1703.816895	4.524302483	6.858076096	0.121761501	726.4907227	0.294255763	368.8656311	0.000519997	0.000519997	8.27403E-06	0.015579151	0.006081252	0.491031438	0.015428009	7.39081E-06	86.73392487	0.000107705	0.000318415	0.000811866	0.006868791
2032 Dec	1736.817505	4.609609127	6.989611149	0.123838544	741.3189697	0.299603045	374.7116394	0.000513473	0.000513473	8.36174E-06	0.015743766	0.006179111	0.500318706	0.015506275	7.44422E-06	87.96602631	0.000109194	0.000319653	0.000823821	0.006977311
2033 Jan	1736.494385	4.608729362	6.988244534	0.123814158	741.1786499	0.299551666	374.6378784	0.000513578	0.000513578	8.36114E-06	0.015742196	0.006178268	0.500222504	0.015511626	7.44378E-06	87.95529938	0.000109175	0.000319673	0.000823777	0.006976211
2033 Feb	1736.363037	4.608350754	6.987652302	0.12380369	741.1195679	0.29952842	374.6073303	0.000513652	0.000513652	8.36101E-06	0.015741546	0.00617807	0.500180542	0.015518832	7.44374E-06	87.95454407	0.000109168	0.000319728	0.000823848	0.006975838
2033 Mar	1736.619263	4.609014511	6.988648415	0.12382137	741.227356	0.299572289	374.661377	0.000513789	0.000513789	8.36252E-06	0.015744161	0.006179128	0.500252128	0.015525689	7.44512E-06	87.97074127	0.000109185	0.000319818	0.000824042	0.006976952
2033 Apr	1738.365356	4.613639355	6.995655537	0.123945534	741.9717407	0.299873322	375.0374451	0.000514341	0.000514341	8.37109E-06	0.015760161	0.006185425	0.50075388	0.015543903	7.45276E-06	88.06103516	0.000109295	0.000320164	0.000824912	0.006984016
2033 May	1690.117798	4.588186264	6.960084438	0.12269076	719.1212158	0.301190645	364.236145	0.000522455	0.000522455	8.47349E-06	0.015837429	0.006207799	0.503408015	0.017553322	7.50823E-06	87.15814209	0.000108801	0.000333716	0.000862362	0.007020677
2033 Jun	1512.00769	4.148876667	6.282235146	0.111254364	636.1697998	0.278363675	332.6730042	0.000543546	0.000543546	8.08544E-06	0.015101698	0.005835426	0.464523226	0.019906167	7.24779E-06	82.44267273	0.000101999	0.000348438	0.000861783	0.006598998
2033 Jul	1509.375977	4.137421608	6.262457848	0.11120683	633.5620117	0.278805614	334.7893066	0.000543476	0.000543476	8.07466E-06	0.015145366	0.005842768	0.465214312	0.019738814	7.26246E-06	82.75005341	0.000102422	0.000348692	0.000861648	0.006624057
2033 Aug	1530.528442	4.212405205	6.376815796	0.113214307	641.9262085	0.28447932	340.3207092	0.000541556	0.000541556	8.17823E-06	0.015365777	0.005939952	0.474924833	0.019819127	7.34935E-06	83.88999939	0.000104121	0.000351157	0.000875278	0.006751394
2033 Sep	1548.845215	4.335577488	6.564413071	0.116276607	648.2313232	0.295073032	346.0622864	0.000524706	0.000524706	8.31396E-06	0.015721848	0.006076414	0.492806941	0.019607833	7.43897E-06	84.77622986	0.000106486	0.000349603	0.000893159	0.006963074
2033 Oct	1561.989624	4.505927563	6.825788975	0.120144673	652.6276245	0.309776545	349.1871643	0.000502826	0.000502826	8.52837E-06	0.01623016	0.006240593	0.517246127	0.019307416	7.55738E-06	84.96531677	0.000109183	0.000343874	0.000914264	0.007230507
2033 Nov	1556.910278	4.501574993	6.818793774	0.119961381	650.4141846	0.309857637	347.9737854	0.000503853	0.000503853	8.53451E-06	0.01624239	0.006232967	0.517082274	0.01928868	7.55937E-06	84.69798279	0.000109009	0.000342952	0.000912784	0.007225876
2033 Dec	1556.883179	4.501552582	6.818749428	0.119960204	650.4025269	0.309859812	347.9658203	0.000503919	0.000503919	8.53483E-06	0.016242908	0.006232976	0.517080665	0.019289613	7.55966E-06	84.69713593	0.000109009	0.000342958	0.000912782	0.007225883
2034 Jan	1556.806763	4.501324177	6.818394184	0.119953997	650.369751	0.309845626	347.9480591	0.000503949	0.000503949	8.53467E-06	0.016242484	0.006232749	0.517054141	0.019290777	7.55955E-06	84.69450378	0.000109004	0.000342962	0.000912764	0.007225581
2034 Feb	1556.773804	4.501220226	6.818232059	0.119951151	650.3552856	0.309838802	347.9401245	0.000503966	0.000503966	8.53461E-06	0.016242269	0.006232682	0.517041981	0.019292446	7.55952E-06	84.69416809	0.000109002	0.000342974	0.000912778	0.007225463
2034 Mar	1556.830933	4.50138092	6.818472862	0.119955398	650.3787842	0.309850037	347.9525452	0.000504	0.000504	8.53499E-06	0.016242934	0.006232946	0.517060339	0.019294284	7.55986E-06	84.69807434	0.000109006	0.000342998	0.000912829	0.007225749
2034 Apr	1557.88916	4.504437923	6.823101997	0.12003684	650.8206787	0.310060561	348.1889038	0.000504351	0.000504351	8.54083E-06	0.016254017	0.006237204	0.51741147	0.019308046	7.56504E-06	84.75609589	0.00010908	0.000343237	0.00091346	0.007230672
2034 May	1550.828003	4.479569912	6.784889221	0.119353868	647.5964966	0.308804631	346.5918579	0.000509247	0.000509247	8.53952E-06	0.016226409	0.006225264	0.515196443	0.01962007	7.56709E-06	84.66976929	0.000108748	0.000345742	0.000915911	0.007208796
2034 Jun	1437.393799	4.105637074	6.210639954	0.109597087	597.3623657	0.28579092	323.2741394	0.000539473	0.000539473	8.19819E-06	0.015458663	0.005871865	0.475285083	0.020778948	7.33215E-06	80.93093872	0.000102269	0.000351145	0.000887835	0.006746074
2034 Jul	1469.75708	4.179920197	6.326780796	0.111516744	610.1177979	0.293650597	331.60672	0.000529607	0.000529607	8.31772E-06	0.015705317	0.006001955	0.489177167	0.020549593	7.41819E-06	82.38777161	0.000104574	0.000350729	0.000901663	0.006911941
2034 Aug	1486.67627	4.224428654	6.394595623	0.112698317	616.9969482	0.297286004	335.6631775	0.000531854	0.000531854	8.40065E-06	0.015863834	0.006070818	0.495298654	0.020673307	7.48928E-06	83.29379272	0.000105743	0.000353359	0.000910957	0.006994043
2034 Sep	1529.693115	4.338457584	6.570444584	0.115482159	634.6987305	0.308189541	345.4320068	0.0005162	0.0005162	8.56145E-06	0.01621577	0.006243106	0.514205515	0.020508803	7.59082E-06	85.08203888	0.000108635	0.000353136	0.000930603	0.007213666
2034 Oct	1570.304932	4.45048666	6.743887424	0.118061863	651.6870728	0.319661111	353.9172974	0.000499186	0.000499186	8.7342E-06	0.016577924	0.006412124	0.533854187	0.020262707	7.68839E-06	86.53243256	0.000111369	0.000350704	0.00094826	0.007431383
2034 Nov	1576.008911	4.46743679	6.770167828	0.118462279	654.1289673	0.321169525	355.0281372	0.000497778	0.000497778	8.76129E-06	0.016629422	0.006435642	0.53644979	0.020257901	7.7054E-06	86.74220276	0.000111749	0.000350719	0.000951051	0.007460642
2034 Dec	1576.108887	4.467744827	6.770640373	0.118469588	654.1720581	0.321196347	355.0465088	0.000497803	0.000497803	8.76198E-06	0.01663065	0.006436089	0.536493361	0.020258786	7.70592E-06	86.74645996	0.000111756	0.00035073	0.000951107	0.007461172
2035 Jan	1576.187744	4.467941761	6.770946503	0.118474029	654.2067261	0.321214139	355.0598145	0.000497792	0.000497792	8.76234E-06	0.016631231	0.006436402	0.536524296	0.020259587	7.70614E-06	86.74961853	0.00011176	0.000350737	0.000951155	0.007461523
2035 Feb	1576.183594	4.467910767	6.770897865	0.11847312	654.204895	0.3212125	355.0581055	0.000497803	0.000497803	8.76237E-06	0.016631201	0.006436414	0.536521196	0.020260748	7.70617E-06	86.75016785	0.00011176	0.000350747	0.00095117	0.007461507
2035 Mar	1576.212891	4.467990875	6.771017551	0.118475229	654.2167969	0.321218371	355.0644836	0.000497822	0.000497822	8.76257E-06	0.016631555	0.006436557	0.536530674	0.020261869	7.70636E-06	86.75229645	0.000111762	0.00035076	0.0009512	0.007461658
2035 Apr	1576.940918	4.470052719	6.774141312	0.118529886	654.5188599	0.321366668	355.228363	0.000498058	0.000498058	8.76665E-06	0.016639264	0.006439543	0.536778331	0.02027165	7.70994E-06	86.79266357	0.000111814	0.000350926	0.000951646	0.007465112
2035 May	1579.651489	4.473662376	6.779519558	0.118622974	655.6231689	0.32175532	355.8138733	0.000499688	0.000499688	8.78219E-06	0.016664099	0.006450688	0.537416101	0.020360393	7.72411E-06	86.98086548	0.000111981	0.000352031	0.000953826	0.007475553
2035 Jun	1456.403687	4.07115221	6.163266659	0.108226046	601.7922974	0.295372248	330.4285583	0.000530715	8.3687E-06	0.015788184	0.006012718	0.491672307	0.020435138	7.4382E-06	82.05714417	0.000104643	0.000348127	0.000899546	0.006923
2035 Jul	1444.351318	4.007039547	6.064932346	0.106656939	595.942688	0.291886926	329.0014954	0.000535531	0.000535531	8.30965E-06	0.015685961	0.005958586	0.485629141	0.020231711	7.40682E-06	81.6645813	0.000103918	0.000346904	0.000889209	0.006854283
2035 Aug	1470.173706	4.035978317	6.109317303	0.107426055	606.7180786	0.29538402	334.9612732	0.000533513	0.000533513	8.3689E-06	0.015794054	0.006032617	0.49157849	0.020226644	7.45434E-06	82.8976059	0.000105074	0.000348441	0.000896148	0.006931249
2035 Sep	1576.603516	4.162435532	6.306168079	0.110434934	653.2780151	0.30979529	356.0367126	0.000513233	0.000513233	8.59098E-06	0.016176982	0.006315978	0.516657829	0.020014916	7.58382E-06	87.07949066	0.000109347	0.000349335	0.000920504	0.007217543
2035 Oct	1612.069214	4.195006847	6.356584072	0.111139998	668.9521484	0.314354181	362.7684326	0.000507479	0.000507479	8.66454E-06	0.016304871	0.006405329	0.524372697	0.01992709	7.62421E-06	88.41303253	0.000110647	0.000348974	0.000926707	0.007303841
2035 Nov	1630.392944	4.209914684	6.379705906	0.111457065	677.03125	0.316620171	366.2960205	0.000503743	0.000503743	8.69694E-06	0.016362783	0.006449969	0.528231919	0.019862749	7.64021E-06	89.09934235	0.000111296	0.00034859	0.000929547	0.007346605
2035 Dec	1630.603394	4.210163116	6.380086422	0.111462131	677.1269531	0.316651285	366.3302612	0.000503766	0.000503766	8.69774E-06	0.016364008	0.006450559	0.528281391	0.01986328	7.64075E-06	89.10688019	0.000111304	0.000348596	0.000929593	0.007347162
2036 Jan	1630.582886	4.210073948	6.379948616	0.111459576	677.1188965	0.316646487	366.3238831	0.000503779	0.000503779	8.69771E-06	0.016363852	0.006450494	0.528272092	0.019864034	7.64071E-06	89.10620117	0.000111302	0.000348599	0.000929591	0.007347054
2036 Feb	1630.553833	4.209993839	6.379823685	0.1114574	677.1063232	0.316640645	366.316925	0.000503789	0.000503789	8.69764E-06	0.016363652	0.006450425	0.52826184	0.019865137	7.64066E-06	89.1056366	0.000111301	0.000348606	0.000929597	0.007346949
2036 Mar	1630.540039	4.209955692	6.37976408	0.111456357	677.1003418	0.316637874	366.3135986	0.000503796	0.000503796	8.69761E-06	0.016363563	0.006450395	0.528256953	0.019865759	7.64065E-06	89.10543823	0.0001113	0.000348611	0.000929602	0.007346901
2036 Apr	1632.836182	4.216805935	6.391142368	0.112180911	678.1280518	0.316915214	366.7114258	0.000503904	0.000503904	8.70391E-06	0.016376924	0.00645931	0.528609157	0.019911509	7.65353E-06	89.19750214	0.000111348	0.000354882	0.000930373	0.00735159
2036 May	1639.584839	4.236498833	6.423512936	0.114091165	681.1121826	0.317793101	367.9329224	0.000504601	0.000504601	8.72529E-06	0.016420832	0.006485792	0.52978766	0.020044712	7.69127E-06	89.48674011	0.000111535	0.000371168	0.000932927	0.007367685
2036 Jun	1643.374023	4.277245045	6.530255318	0.140570074	685.036438	0.310834646	364.3129578	0.000513908	0.000513908	8.62813E-06	0.016270719	0.006519581	0.512189806	0.021276524	7.98314E-06	88.66945648	0.000107622	0.000648858	0.000912716	0.007140455
2036 Jul	1646.814209	4.297241211	6.58275938	0.153870791	687.2767334	0.307623118	363.5395203	0.000518659	0.000518659	8.57805E-06	0.016198605	0.0065413	0.503650486	0.021802692	8.13466E-06	88.40731812	0.000105748	0.000787164	0.000901567	0.007035224
2036 Aug	1666.433105	4.35478878	6.678983688	0.16041027	695.9703979	0.309910029	367.0862732	0.00052067	0.00052067	8.63257E-06	0.016313212	0.006618003	0.506328464	0.022181617	8.25337E-06	89.20433044	0.000106107	0.000844464	0.000907165	0.007072782
2036 Sep	1727.341553	4.549426556	7.015186787	0.188303322	724.2470703	0.314821392	376.1411743	0.000515119	0.000515119	8.71006E-06	0.016533656	0.006848418	0.509676576	0.023496244	8.63199E-06	91.08220673	0.000105739	0.001098009	0.000915987	0.007110246
2036 Oct	1798.686768	4.7854352	7.426202774	0.224162206	757.9943237	0.319878906	385.6988831	0.000508687	0.000508687	8.78928E-06	0.016773878	0.007119712	0.511583388	0.025177127	9.10418E-06	93.04893494	0.000104732	0.001427206	0.000923261	0.007124661
2036 Nov	1822.94043	4.864840031	7.563637733	0.235642478	769.4093018	0.321785092	389.052002	0.000506396	0.000506396	8.8202E-06	0.016860049	0.00721144	0.512749851	0.025716988	9.25787E-06	93.74090576	0.000104512	0.001531657	0.000926428	0.007135912
2036 Dec	1829.480469	4.886502266	7.601298332	0.238877177	772.5067139	0.32226482	389.9236145	0.000505769	0.000505769	8.82779E-06	0.01688212	0.007236233	0.512969851	0.025868243	9.3005E-06	93.91983795	0.000104427	0.001561251	0.000927144	0.007137655
2037 Jan	1829.466431	4.886484146	7.601285458	0.238887653	772.5021362	0.322259486	389.9171753	0.000505787	0.000505787	8.82776E-06	0.016882023	0.007236226	0.512956798	0.0258698	9.30064E-06	93.91928101	0.000104424	0.001561379	0.000927143	0.00713751
2037 Feb	1829.454346	4.886446476	7.601223469	0.238885686	772.496521	0.322257221	389.9141846	0.000505804	0.000505804	8.82779E-06	0.016882008	0.007236225	0.512952745	0.025871115	9.30067E-06	93.91970825	0.000104424	0.00156138	0.00092716	0.007137491
2037 Mar	1829.655518	4.88698101	7.602052689	0.238911763	772.5811768	0.322292626	389.9568481	0.000505871	0.000505871	8.82882E-06	0.016883915	0.007237046	0.513008773	0.025874771	9.30174E-06	93.93061829	0.000104436	0.001561559	0.000927275	0.007138291
2037 Apr	1830.255127	4.888580799	7.604540348	0.238989934	772.8341675	0.322398216	390.0845337	0.000506043	0.000506043	8.83174E-06	0.016889481	0.007239433	0.51317668	0.025883714	9.30482E-06	93.96173096	0.00010447	0.001562074	0.000927587	0.007140639
2037 May	1802.324463	4.812063217	7.483693123	0.235014766	760.6307373	0.317507297	384.1385193	0.000514048	0.000514048	8.76818E-06	0.016725972	0.00715352	0.505062997	0.026150933	9.23361E-06	93.05246735	0.000103178	0.001542646	0.000923706	0.00704779
2037 Jun	1745.628296	4.700050831	7.302915096	0.225777283	736.1585083	0.307535768	372.0009766	0.000521255	0.000521255	8.59446E-06	0.016333429	0.006964304	0.48942551	0.026130963	9.0158E-06	90.85661316	0.000100615	0.001475638	0.000911028	0.006853129
2037 Jul	1757.12793	4.759479046	7.393523216	0.226631001	741.366333	0.309637845	373.9940186	0.000523477	0.000523477	8.64767E-06	0.016424071	0.007007389	0.493154526	0.02614052	9.05135E-06	91.28684235	0.000101306	0.001470495	0.000916477	0.006896768
2037 Aug	1770.700928	4.81623888	7.480353832	0.227912933	747.3244629	0.312072992	376.6327515	0.000524741	0.000524741	8.70201E-06	0.016523652	0.007058363	0.497313172	0.02620884	9.09476E-06	91.87554932	0.000102059	0.001470838	0.00092302	0.006948546
2037 Sep	1778.25	4.858336449	7.543985367	0.228381246	750.7594604	0.313490987	377.9451294	0.000524992	0.000524992	8.73066E-06	0.016576653	0.007085915	0.499806374	0.026197748	9.1099E-06	92.15625763	0.000102482	0.001465588	0.000926503	0.006977346
2037 Oct	1776.063477	4.888308048	7.587177753	0.227323607	750.3135986	0.313366741	376.836853	0.000523928	0.000523928	8.72121E-06	0.016555365	0.007075513	0.499807835	0.026020262	9.07424E-06	91.87071228	0.000102368	0.001445867	0.000924928	0.0069692
2037 Nov	1775.918579	4.894258499	7.595807076	0.227172241	750.3413086	0.313396066	376.6810913	0.000524031	0.000524031	8.7219E-06	0.016555559	0.007074828	0.499876112	0.025996618	9.07032E-06	91.83362579	0.000102363	0.001442676	0.000924795	0.006968817
2037 Dec	1776.309082	4.896169186	7.598731518	0.227209419	750.5234375	0.313467175	376.7419128	0.000524016	0.000524016	8.72335E-06	0.016558129	0.007076225	0.500001132	0.025997346	9.07122E-06	91.84658051	0.000102383	0.001442606	0.000924973	0.00697021
2038 Jan	1776.291748	4.89614296	7.598686695	0.227206588	750.5162964	0.313464552	376.7373657	0.000524028	0.000524028	8.72334E-06	0.016558073	0.007076181	0.499996305	0.025997745	9.0712E-06	91.84604645	0.000102382	0.001442587	0.000924974	0.006970159
2038 Feb	1776.279419	4.896106243	7.598628044	0.227204844	750.5108643	0.313462347	376.7345581	0.000524035	0.000524035	8.72333E-06	0.016558014	0.007076158	0.49999252	0.025998373	9.07119E-06	91.84599304	0.000102381	0.001442584	0.000924981	0.006970126
2038 Mar	1776.316528	4.896206379	7.598782539	0.227209464	750.5263062	0.313468844	376.7423096	0.000524052	0.000524052	8.72354E-06	0.016558386	0.007076319	0.500002682	0.025999354	9.0714E-06	91.8482132	0.000102383	0.001442618	0.000925007	0.00697028
2038 Apr	1776.920654	4.897871017	7.601365089	0.227286682	750.7815552	0.313575447	376.8703613	0.000524234	0.000524234	8.72652E-06	0.016564034	0.007078735	0.500172675	0.026008448	9.0745E-06	91.8796463	0.000102418	0.00144311	0.000925325	0.006972656
2038 May	1770.010498	4.877405167	7.569004536	0.226291403	747.6929321	0.312362552	375.4432983	0.000527647	0.000527647	8.71699E-06	0.016532527	0.007059815	0.498118103	0.026136737	9.06404E-06	91.71112061	0.000102127	0.001439258	0.000925253	0.006951201
2038 Jun	1706.871216	4.699240208	7.289003849	0.217349514	719.9725952	0.301247627	362.5191345	0.000539154	0.000539154	8.53919E-06	0.016130634	0.00685217	0.479842633	0.026278425	8.87429E-06	89.40979767	0.91533E-05	0.001392861	0.000908886	0.006732539
2038 Jul	1718.015259	4.735472202	7.344794273	0.218553156	724.7099609	0.303218007	364.8084412	0.000544323	0.000544323	8.60189E-06	0.016243095	0.006897989	0.483031631	0.026423352	8.93464E-06	89.97392273	9.98365E-05	0.001398517	0.000914532	0.006775711
2038 Aug	1731.979858	4.785542488	7.421477795	0.219875664	730.682373	0.305659384	367.7007751	0.000547362	0.000547362	8.66214E-06	0.016352499	0.006953194	0.487068713	0.02653683	8.98866E-06	90.6472702	0.000100599	0.001401812	0.000920983	0.006827494
2038 Sep	1736.516846	4.816751003	7.468022823	0.219781905	732.7858276	0.306441098	368.4476624	0.000546794	0.000546794	8.6714E-06	0.016371297	0.006969992	0.48851943	0.026462669	8.98425E-06	90.78348541	0.000100805	0.001393332	0.000921944	0.006840326
2038 Oct	1734.527466	4.826010227	7.480578423	0.21902281	732.1157227	0.306156218	367.785553	0.000546692	0.000546692	8.66163E-06	0.016352501	0.006962724	0.48809427	0.026358686	8.96246E-06	90.61707306	0.00010067	0.001382798	0.000919984	0.006830034
2038 Nov	1735.865967	4.832751751	7.490805149	0.219109327	732.7384644	0.306388974	367.9958191	0.000546705	0.000546705	8.66617E-06	0.016360721	0.00696771	0.488501787	0.026357105	8.96481E-06	90.66169739	0.000100733	0.001382143	0.000920459	0.006834244
2038 Dec	1736.165039	4.834198475	7.493014812	0.219132349	732.8786621	0.306439936	368.0415955	0.00054668	0.00054668	8.66709E-06	0.016362334	0.006968793	0.488592535	0.02635677	8.96528E-06	90.67108917	0.000100747	0.001382043	0.000920566	0.006835162
2039 Jan	1736.235107	4.834575176	7.493587971	0.219136611	732.9120483	0.306451797	368.0513916	0.000546673	0.000546673	8.6673E-06	0.016362658	0.006969064	0.488614261	0.026356941	8.96535E-06	90.67336273	0.00010075	0.001382003	0.000920598	0.006835369
2039 Feb	1736.269653	4.834761143	7.493869781	0.219138533	732.9281616	0.30645752	368.0563049	0.000546669	0.000546669	8.66739E-06	0.01636279	0.006969214	0.48862502	0.026357416	8.96538E-06	90.67480469	0.000100751	0.001381986	0.000920622	0.006835474

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2039 Mar	1736.448608	4.835305691	7.494711876	0.219159842	733.0045166	0.306488901	368.0929871	0.000546718	0.000546718	8.66825E-06	0.016364377	0.006969939	0.488675892	0.026360122	8.96623E-06	90.68395996	0.000100761	0.001382105	0.00092072	0.006836162
2039 Apr	1737.056396	4.83699894	7.497335911	0.219236434	733.2609863	0.3065961	368.2217102	0.000546912	0.000546912	8.6713E-06	0.016370116	0.006972386	0.488846809	0.026369585	8.96938E-06	90.71586609	0.000100797	0.00138259	0.000921046	0.006838558
2039 May	1740.047119	4.845444202	7.510395527	0.219602332	734.5159912	0.30712229	368.8626404	0.000547908	0.000547908	8.68636E-06	0.016398489	0.006984578	0.489688486	0.026418056	8.98486E-06	90.87653351	0.000100973	0.001384872	0.000922703	0.006850418
2039 Jun	1712.17627	4.841814518	7.500617504	0.213712439	723.4828491	0.302310586	361.6045227	0.000551228	0.000551228	8.6015E-06	0.016176086	0.006887377	0.483019829	0.025604229	8.83464E-06	89.03336334	0.96465E-05	0.001322033	0.000904843	0.006720393
2039 Jul	1668.730713	4.737350464	7.336787701	0.207175255	704.6859741	0.295006961	352.7305908	0.000555649	0.000555649	8.46472E-06	0.015861791	0.006732009	0.471077561	0.02497961	8.67728E-06	86.93586731	9.74666E-05	0.001275032	0.000882237	0.006557236
2039 Aug	1657.434692	4.725699425	7.317216873	0.204959884	699.9572144	0.293390721	350.2001038	0.000559263	0.000559263	8.43986E-06	0.015755313	0.006697702	0.468203247	0.024765126	8.63453E-06	86.33559418	9.67359E-05	0.001252971	0.000875641	0.006513933
2039 Sep	1664.403931	4.758300781	7.366653919	0.20542115	703.0396118	0.294650435	351.4995728	0.00055981	0.00055981	8.46537E-06	0.015801886	0.006725998	0.47036469	0.024772815	8.6509E-06	86.62167358	9.70879E-05	0.001250651	0.000878482	0.006537016
2039 Oct	1665.191772	4.77033186	7.384311676	0.205211595	703.4783325	0.294833243	351.5218811	0.000559328	0.000559328	8.46485E-06	0.015801415	0.006729856	0.470730901	0.024723081	8.64282E-06	86.6115799	9.71055E-05	0.001245565	0.000878338	0.006537419
2039 Nov	1666.861694	4.777259827	7.394940376	0.205366924	704.227417	0.295122892	351.8218384	0.000559297	0.000559297	8.47053E-06	0.015811831	0.006736275	0.471235245	0.024728518	8.64695E-06	86.67657471	9.71879E-05	0.001245641	0.000879049	0.006542913
2039 Dec	1667.082153	4.77815485	7.396312714	0.205387875	704.3259277	0.295161575	351.8618164	0.00055931	0.00055931	8.47136E-06	0.015813347	0.006737136	0.471301556	0.024729604	8.64759E-06	86.68549347	9.7199E-05	0.001245665	0.000879145	0.006543657
2040 Jan	1667.149658	4.778474808	7.396801472	0.205392286	704.3571777	0.295172572	351.8725586	0.000559298	0.000559298	8.47151E-06	0.015813613	0.006737406	0.471321642	0.024729652	8.64765E-06	86.68783569	9.72018E-05	0.001245641	0.000879175	0.006543835
2040 Feb	1667.2146	4.778738976	7.397205353	0.205396846	704.3865356	0.295182496	351.8838196	0.000559291	0.000559291	8.47166E-06	0.015813867	0.006737676	0.471339613	0.024729982	8.64774E-06	86.69043732	9.72044E-05	0.001245635	0.000879207	0.006544001
2040 Mar	1667.417114	4.779366493	7.398173809	0.205419719	704.4732666	0.295217395	351.9251099	0.000559341	0.000559341	8.47258E-06	0.015815567	0.006738498	0.471396655	0.024732575	8.64864E-06	86.70049286	9.72155E-05	0.001245754	0.000879312	0.006544741
2040 Apr	1668.030884	4.781169891	7.40096283	0.20549342	704.7336426	0.29532513	352.0532837	0.000559529	0.000559529	8.47559E-06	0.015821176	0.006740979	0.471570015	0.024741188	8.65167E-06	86.73187256	9.72506E-05	0.001246181	0.000879633	0.006547097
2040 May	1667.572754	4.780170441	7.39913702	0.205361009	704.5022583	0.295233041	351.9249878	0.000561433	0.000561433	8.48216E-06	0.015827138	0.006742915	0.471392602	0.024825426	8.65749E-06	86.77535248	9.72542E-05	0.001246083	0.000880851	0.006546569
2040 Jun	1600.99353	4.581287861	7.088679314	0.19659999	675.4467163	0.283622622	338.0896606	0.000573461	0.00057346 1	8.3011E-06	0.015416129	0.006519733	0.452106982	0.024925632	8.47199E-06	84.22531128	9.40711E-05	0.00120574	0.000861651	0.006314212
2040 Jul	1607.185303	4.60681963	7.127580166	0.196852133	678.0917969	0.284589887	339.3440857	0.000575788	0.000575788	8.32735E-06	0.015459582	0.00654798	0.453823298	0.024921162	8.49194E-06	84.49826813	9.44031E-05	0.00120355	0.000864104	0.006330128
2040 Aug	1620.786011	4.656492233	7.20375824	0.197959051	684.0059204	0.286828369	342.038269	0.000577029	0.000577029	8.37343E-06	0.015539759	0.006604258	0.457632869	0.024977166	8.53006E-06	85.09571838	9.50394E-05	0.00120491	0.000869986	0.006371117
2040 Sep	1629.327271	4.69336462	7.259811878	0.198367238	687.8204346	0.28817293	343.6094055	0.000576482	0.000576482	8.39253E-06	0.015570708	0.006640366	0.460012227	0.024944719	8.53916E-06	85.41834259	9.53607E-05	0.001201488	0.000872989	0.006390493
2040 Oct	1630.251831	4.699946404	7.269380093	0.198269635	688.2651978	0.288329393	343.7243652	0.000576928	0.000576928	8.39538E-06	0.015575769	0.006645727	0.460256696	0.024929242	8.53864E-06	85.4449234	9.53807E-05	0.001199258	0.000873133	0.006390768
2040 Nov	1631.894531	4.706347942	7.279163361	0.19839716	688.9989624	0.288595587	344.0242004	0.000576946	0.000576946	8.40031E-06	0.015584849	0.00665243	0.460716993	0.024932913	8.54224E-06	85.51022339	9.54533E-05	0.001199259	0.000873805	0.006395295
2040 Dec	1632.183105	4.707483292	7.280902863	0.19841978	689.1287842	0.288641453	344.0759277	0.000576925	0.000576925	8.40106E-06	0.015586233	0.006653585	0.460797906	0.024933135	8.54275E-06	85.52113342	9.54655E-05	0.001199253	0.000873919	0.00639606
2041 Jan	1632.300537	4.707951546	7.281619549	0.198427916	689.1807861	0.288660944	344.0978088	0.000576911	0.000576911	8.40136E-06	0.015586758	0.006654092	0.460832804	0.024933327	8.54293E-06	85.52586365	9.54707E-05	0.001199242	0.000873972	0.006396378
2041 Feb	1632.349365	4.708133698	7.281897545	0.198431417	689.2015381	0.288669705	344.1078796	0.00057691	0.00057691	8.40152E-06	0.015587031	0.006654329	0.460848361	0.024933809	8.54304E-06	85.52830505	9.54731E-05	0.001199246	0.000874002	0.006396535
2041 Mar	1632.505493	4.708613396	7.282637596	0.198448643	689.2675171	0.288697422	344.140625	0.00057695	0.00057695	8.40225E-06	0.015588378	0.006654989	0.46089372	0.024935922	8.54375E-06	85.53633881	9.54819E-05	0.001199337	0.000874087	0.006397121
2041 Apr	1632.957031	4.709944248	7.284694195	0.19850187	689.458313	0.288777381	344.2356567	0.000577095	0.00057705	8.4045E-06	0.015592542	0.006656849	0.461022496	0.02494245	8.546E-06	85.55977631	9.5508E-05	0.001199645	0.000874329	0.006398862
2041 May	1640.808716	4.738729	7.328879356	0.199103445	692.7976074	0.290189773	345.8756714	0.000576532	0.000576532	8.42855E-06	0.015636513	0.006692611	0.463523477	0.024966942	8.56345E-06	85.91525269	9.59019E-05	0.001200186	0.000878171	0.006423586
2041 Jun	1599.712646	4.625593662	7.152955055	0.19332847	674.9783936	0.28332594	337.3762817	0.00058368	0.00058368	8.32022E-06	0.015391693	0.006552071	0.452385813	0.02446714	8.44177E-06	83.95669556	9.40083E-05	0.001165756	0.000857938	0.006267385
2041 Jul	1561.929321	4.514827728	6.981072426	0.188324109	658.4823608	0.276955336	329.8215942	0.000587609	0.000587609	8.20641E-06	0.015149524	0.006415975	0.44186464	0.024034483	8.32427E-06	82.20554352	9.21978E-05	0.001137657	0.000839204	0.006128886
2041 Aug	1574.880737	4.557843685	7.04719162	0.18950814	663.9060669	0.279332519	332.6164551	0.000590274	0.000590274	8.26312E-06	0.015248953	0.006474084	0.445816725	0.024143275	8.37521E-06	82.85266876	9.29E-05	0.001141784	0.00084572	0.006174929
2041 Sep	1584.656616	4.594860077	7.103706837	0.190123051	667.9957886	0.281161904	334.747406	0.000589728	0.000589728	8.29316E-06	0.015303107	0.006520698	0.449020386	0.024147887	8.39557E-06	83.30488586	9.33844E-05	0.001140893	0.000850234	0.006205284
2041 Oct	1587.297485	4.608538151	7.124073505	0.190045074	669.0760498	0.281738609	335.3450623	0.000588955	0.000588955	8.29783E-06	0.015312329	0.006537079	0.450064033	0.024108747	8.39324E-06	83.41755676	9.34986E-05	0.00113747	0.000851286	0.006211212
2041 Nov	1589.251099	4.61585331	7.135244846	0.190185294	669.9058228	0.282102466	335.7530518	0.000588949	0.000588949	8.30446E-06	0.015324542	0.00654621	0.450693965	0.024113655	8.39806E-06	83.50616455	9.35971E-05	0.001137489	0.000852202	0.006217392
2041 Dec	1589.721191	4.617601395	7.137926102	0.190220863	670.1067505	0.282187849	335.8505554	0.000588903	0.000588903	8.30584E-06	0.015327116	0.00654834	0.450844765	0.024114264	8.39903E-06	83.52672577	9.36202E-05	0.001137503	0.000852419	0.006218848
2042 Jan	1589.829956	4.618008137	7.138547897	0.190228507	670.1526489	0.282208174	335.8735046	0.000588895	0.000588895	8.30619E-06	0.015327732	0.006548862	0.450880647	0.024114702	8.39926E-06	83.53181458	9.36257E-05	0.001137504	0.000852475	0.006219195
2042 Feb	1589.857788	4.618111134	7.138704777	0.190229803	670.1635742	0.282214135	335.8802795	0.000588892	0.000588892	8.30628E-06	0.015327887	0.006549031	0.450891405	0.024115082	8.39932E-06	83.5335083	9.36273E-05	0.001137503	0.000852498	0.006219298
2042 Mar	1589.978516	4.618486881	7.13928318	0.190242186	670.213623	0.282236695	335.9067688	0.000588919	0.000588919	8.30685E-06	0.015328915	0.006549578	0.450928897	0.024116604	8.39985E-06	83.53991699	9.36343E-05	0.001137564	0.000852566	0.006219759
2042 Apr	1591.108643	4.621887207	7.144533157	0.190368012	670.6865234	0.282442421	336.1503296	0.000589239	0.000589239	8.31237E-06	0.015339106	0.006554424	0.451264709	0.024131196	8.40523E-06	83.59879303	9.37002E-05	0.001138247	0.000853172	0.006224106
2042 May	1594.405029	4.631938457	7.159953594	0.190695107	672.0333252	0.283061624	336.8761597	0.000590691	0.000590691	8.33105E-06	0.015371691	0.006570412	0.452276915	0.024199974	8.42299E-06	83.79558563	9.3906E-05	0.00114017	0.00085545	0.006237389
2042 Jun	1558.850098	4.525514603	6.995038509	0.186246648	656.6359863	0.277032375	329.5296021	0.000596874	0.000596874	8.23821E-06	0.015169295	0.006441124	0.442246258	0.023898447	8.32889E-06	82.16621399	9.2257E-05	0.001117698	0.000838839	0.006109571
2042 Jul	1538.076172	4.466490269	6.903307915	0.183266878	647.3973389	0.27382648	325.544342	0.00060025	0.0050412	0.00060025	8.18551E-06	0.0150412	0.006375534	0.436948627	0.023644824	8.26926E-06	81.2354126	9.12964E-05	0.001099893	0.000828946	0.006035367
2042 Aug	1531.977295	4.456699371	6.886951447	0.18160817	644.2674561	0.273566782	324.8800049	0.000599155	0.000599155	8.16575E-06	0.014971372	0.006376741	0.43656826	0.023456004	8.2335E-06	81.0284729	9.09324E-05	0.001085604	0.000826299	0.00601299
2042 Sep	1529.153076	4.453774452	6.881370068	0.180689648	642.7443237	0.273594558	324.6399841	0.00059899	0.00059899	8.15943E-06	0.01494419	0.006381593	0.436615437	0.023360886	8.21694E-06	80.95455933	9.07746E-05	0.001077564	0.000825208	0.006002812
2042 Oct	1528.036377	4.45413065	6.881072044	0.18019776	642.0800781	0.273693442	324.6193542	0.000598185	0.000598185	8.15436E-06	0.014935206	0.006386489	0.436822057	0.023302481	8.20538E-06	80.93130493	9.07344E-05	0.001072825	0.000824862	0.005998818
2042 Nov	1530.008423	4.460989475	6.891585827	0.18034327	642.8770142	0.274097919	325.0826416	0.000598082	0.000598082	8.16149E-06	0.014948453	0.006396514	0.437528491	0.023308607	8.21073E-06	81.03096008	9.08461E-05	0.001073038	0.000825904	0.006005907
2042 Dec	1530.329712	4.462127686	6.893331051	0.180365592	643.0065918	0.274164438	325.1586914	0.000598042	0.000598042	8.16255E-06	0.014950439	0.00639817	0.437646031	0.023309059	8.21147E-06	81.04695129	9.08641E-05	0.001073052	0.000826072	0.006007042
2043 Jan	1530.447144	4.462553978	6.893983364	0.180372402	643.0529175	0.27418977	325.187561	0.000598017	0.000598017	8.16291E-06	0.014951096	0.006398818	0.437691629	0.023309147	8.21168E-06	81.05300903	9.08708E-05	0.001073043	0.000826139	0.00600746
2043 Feb	1530.459106	4.462594509	6.894045353	0.18037279	643.0571289	0.27419284	325.1910095	0.000598017	0.000598017	8.16296E-06	0.014951184	0.006398907	0.437697142	0.023309464	8.21172E-06	81.05397034	9.08716E-05	0.001073044	0.000826153	0.006007516
2043 Mar	1530.495483	4.462700367	6.894207954	0.180377007	643.0723877	0.274199367	325.1987305	0.000598033	0.000598033	8.16317E-06	0.014951551	0.006399067	0.437707484	0.023310218	8.21192E-06	81.05605316	9.08738E-05	0.001073071	0.000826176	0.006007663
2043 Apr	1531.365356	4.465236187	6.898125648	0.180479467	643.4377441	0.274355233	325.3835449	0.000598374	0.000598374	8.16782E-06	0.014960054	0.006402709	0.437956274	0.023323575	8.2166E-06	81.10220337	9.09255E-05	0.001073681	0.000826647	0.00601108
2043 May	1533.022095	4.469860077	6.905131817	0.18064037	644.0881348	0.274674952	325.7465515	0.000600232	0.000600232	8.18256E-06	0.01498371	0.006412312	0.438447148	0.023403116	8.23108E-06	81.23509216	9.10497E-05	0.00107519	0.000828442	0.006018979
2043 Jun	1491.35791	4.343507767	6.708356857	0.175433293	626.0338135	0.267442018	316.898468	0.000607805	0.000607805	8.07343E-06	0.014732079	0.0062709	0.426376194	0.023523288	8.12074E-06	79.62467957	8.90492E-05	0.001053172	0.000816939	0.005875816
2043 Jul	1494.481323	4.353656292	6.723816395	0.175488904	627.0181885	0.268386245	317.9132385	0.000611285	0.000611285	8.10577E-06	0.014778975	0.006296577	0.427913845	0.023558442	8.14805E-06	79.86708069	8.93353E-05	0.00105275	0.00081933	0.005892052
2043 Aug	1501.77832	4.376861095	6.759277344	0.175968081	629.7254028	0.270148963	319.8897095	0.00061349	0.00061349	8.14761E-06	0.014846563	0.006340429	0.430827945	0.023620969	8.18331E-06	80.3241272	8.98108E-05	0.001054138	0.000823866	0.005923615
2043 Sep	1505.770996	4.39186573	6.781847954	0.17588	630.9036865	0.271499455	321.3484192	0.000612458	0.000612458	8.16568E-06	0.014873909	0.006375554	0.43321842	0.023585957	8.19094E-06	80.61705017	9.01063E-05	0.00105115	0.000826743	0.005942394
2043 Oct	1504.827271	4.391990185	6.781024456	0.175319508	630.1104126	0.271904707	321.5997925	0.000611838	0.000611838	8.16693E-06	0.014876062	0.006387882	0.433930457	0.02352915	8.18358E-06	80.65335083	9.01357E-05	0.001046178	0.000827017	0.00594288
2043 Nov	1500.476685	4.380291939	6.762180805	0.174626008	628.1122437	0.271423101	320.8364258	0.000612222	0.000612222	8.15657E-06	0.014855861	0.006377787	0.433049262	0.023482429	8.16988E-06	80.48490143	9.99364E-05	0.00104186	0.000825169	0.005929167
2043 Dec	1500.538696	4.380501747	6.762495995	0.174629197	628.1348267	0.271439582	320.8534851	0.000612244	0.000612244	8.15696E-06	0.014856566	0.006378199	0.433076173	0.023482997	8.17019E-06	80.48893738	9.99408E-05	0.001041863	0.00082521	0.005929448
2044 Jan	1500.551392	4.380542278	6.762555599	0.174629182	628.1384888	0.271443158	320.8575134	0.000612251	0.000612251	8.15707E-06	0.014856734	0.006378316	0.433082849	0.023483487	8.17027E-06	80.49018097	9.99419E-05	0.001041863	0.000825227	0.005929518
2044 Feb	1500.619873	4.380741119	6.762860775	0.174636438	628.1661987	0.271455795	320.8727722	0.000612282	0.000612282	8.15746E-06	0.014857428	0.006378647	0.433103889	0.023485053	8.17065E-06	80.49437714	9.99462E-05	0.00104191	0.000825276	0.005929805
2044 Mar	1500.76416	4.381160736	6.763507843	0.174653143	628.2264404	0.271481872	320.9035339	0.000612345	0.000612345	8.15827E-06	0.014858878	0.006379271	0.433145344	0.023487657	8.17146E-06	80.50234985	9.99549E-05	0.001042013	0.00082536	0.005930382
2044 Apr	1501.133789	4.382238865	6.765172005	0.174696118	628.3811035	0.271548688	320.9825134	0.000612499	0.000612499	8.16029E-06	0.014862549	0.006380848	0.433251917	0.023493633	8.17348E-06	80.52232361	9.99771E-05	0.001042272	0.000825567	0.005931846
2044 May	1503.642456	4.389530659	6.776414871	0.174982533	629.4227295	0.272004813	321.5234375	0.000613623	0.000613623	8.17447E-06	0.014888071	0.006391852	0.433983475	0.023537898	8.18762E-06	80.66182709	9.01305E-05	0.001044031	0.000827041	0.005941924
2044 Jun	1441.845337	4.204670429	6.490340233	0.167454138	602.9164429	0.261471838	308.4964905	0.000623604	0.000623604	8.01265E-06	0.014467404	0.006157361	0.416450649	0.023010952	8.02322E-06	77.75354004	8.69971E-05	0.001005684	0.000798315	0.005722422
2044 Jul	1352.009521	3.937594652	6.077755928	0.156677037	564.809082	0.246715114	289.4613037	0.000650853	0.000650853	7.84191E-06	0.013749681	0.005792947	0.390756607	0.022020396	7.84902E-06	73.3237915	8.19681E-05	0.000947387	0.000752349	0.00541489
2044 Aug	668.7734375	1.839522004	2.831600189	0.069515027	264.445282	0.138511419	157.1233521	0.00094282	0.00094282	6.95844E-06	0.00853411	0.003114266	0.202357158	0.014753604	6.9574E-06	42.61750412	4.48516E-05	0.000422796	0.000439687	0.003166577
2044 Sep	240.1438446	0.513797283	0.773715973	0.01445116	73.76287079	0.066488557	77.55294037	0.000911646	0.000911646	5.31667E-06	0.004887868	0.001439688	0.083827429	0.009106536	5.34314E-06	23.31407928	2.15123E-05	9.98275E-05	0.000227243	0.001676772
2044 Oct	251.889679	0.564546108	0.849628568	0.015533932	79.23064423	0.069003195	78.78849792	0.000907897	0.000907897	5.36981E-06	0.005003098	0.001509349	0.089106157	0.009200169	5.36403E-06	23.62623215	2.22234E-05	0.00010148	0.000233453	0.001728496
2044 Nov	266.7381897	0.607304037	0.914314091	0.0166036	84.41764832	0.071936145	82.99095917	0.000903172	0.000903172	5.40861E-06	0.005147051	0.001596172	0.094919525	0.009310865	5.39391E-06	24.5702343	2.32775E-05	0.000106851	0.000242343	0.001791085
2044 Dec	269.486145	0.615656853	0.927154601	0.016814463	85.42817688	0.072472617	83.70875549	0.000902419	0.000902419	5.41711E-06	0.0051678	0.001611562	0.096016169	0.009322396	5.40006E-06	24.72372627	2.34543E-05	0.000107635	0.000243954	0.001802112
2045 Jan	270.0456238	0.617293417	0.929661751	0.016855534	85.62602997	0.072576307	83.85619354	0.000902254	0.000902254	5.41884E-06	0.005172266	0.001614856	0.096243374	0.009327357	5.40127E-06	24.7572155	2.34914E-05	0.000107825	0.000244329	0.001804427
2045 Feb	270.1240234	0.617502749	0.929977119	0.016860645	85.65190125	0.072588481	83.87593842	0.000902234	0.000902234	5.41909E-06	0.005172947	0.001615414	0.096274368	0.00933099	5.40145E-06	24.76390839	2.34969E-05	0.000107881	0.000244431	0.00180479
2045 Mar	270.1524048	0.617561817	0.930061698	0.016862186	85.66064453	0.072595567	83.88381958	0.000902343	0.000902343	5.41972E-06	0.005173581	0.001615639	0.096283205	0.009333906	5.40208E-06	24.7677784	2.34996E-05	0.000107911	0.000244488	0.001805007
2045 Apr	270.2647705	0.617815435	0.930441141	0.016869072	85.69612885	0.072625466	83.91819763	0.000902727	0.000902727	5.42201E-06	0.005175784	0.001616343	0.096322536	0.009338892	5.40436E-06	24.77880478	2.35095E-05	0.000107966	0.000244607	0.001805773
2045 May	271.0055847	0.619507253	0.932987988	0.016915251	85.93094635	0.072824411	84.14796448	0.000905207	0.000905207	5.43689E-06	0.005190005	0.001620788	0.096586235	0.009364984	5.4192E-06	24.84704971	2.3574E-05	0.000108267	0.000245285	0.00181073
2045 Jun	430.8895569	1.028829455	1.565289974	0.027295563	135.4832611	0.098841034	131.8270874	0.000844224	0.000844224	5.8636E-06	0.006763555	0.00260959	0.163948596	0.010003407	5.73194E-06	35.0005188	3.65819E-05	0.000178125	0.000341922	0.00249626
2045 Jul	384.5414734	0.893066168	1.358981013	0.023842625	118.7143555	0.089735068	119.2845383	0.000861534	0.000861534	5.75078E-06	0.006422252	0.00236218	0.14564085	0.009695308	5.65265E-06	32.21604919	3.39618E-05	0.000181419	0.000308658	0.002320192
2045 Aug	326.0254822	0.744289517	1.132121325	0.020025171	100.2798538	0.079462968	100.923317	0.000888354	0.000888354	5.64725E-06	0.005811346	0.00201468	0.122574389	0.009327681	5.56924E-06	28.16819382	2.92131E-05	0.000161567	0.000271602	0.002071286
2045 Sep	293.5958862	0.659903467	1.002843738	0.017847823	89.88512421	0.073671743	90.91410828	0.000899453	0.000899453	5.56915E-06	0.00548789	0.001819345	0.109830327	0.009161653	5.5039E-06	25.99515343	2.65492E-05	0.000142862	0.000253965	0.001926904
2045 Oct	285.4389648	0.642051995	0.975749254	0.017373765	87.60089874	0.072212279	87.85050201	0.000903566	0.000903566	5.56233E-06	0.005387424	0.001767992	0.10681206	0.009112274	5.49384E-06	25.3249855	2.57678E-05	0.000136499	0.000249609	0.001890583
2045 Nov	288.0472717	0.649255216	0.986828923	0.017556107	88.47532654	0.072679408	88.57263947	0.000903014	0.000903014	5.57171E-06	0.005408155	0.001783232	0.107901059	0.009124552	5.50093E-06	25.48013115	2.59441E-05	0.000137249	0.000251238	0.001901729
2045 Dec	289.2227478	0.652511835	0.991837919	0.017638452	88.86994934	0.072888613	88.89738464	0.000902702	0.000902702	5.57564E-06	0.00541732	0.001790097	0.108392671	0.009129623	5.50381E-06	25.54952431	2.60231E-05	0.000137584	0.000251968	0.001906709
2046 Jan	289.418335	0.653053522	0.992669046	0.017652106	88.93560791	0.072923303	88.95103455	0.00090265	0.00090265	5.57629E-06	0.005418886	0.001791257	0.108474173	0.009130999	5.50429E-06	25.56139565	2.60363E-05	0.000137646	0.000252097	0.001907543

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2046 Feb	289.4203186	0.653055966	0.992671251	0.017652148	88.93614197	0.072923638	88.95131683	0.000902662	0.000902662	5.57635E-06	0.005418956	0.001791289	0.108474433	0.009131749	5.50435E-06	25.56202316	2.60365E-05	0.000137653	0.000252109	0.001907565
2046 Mar	289.4555054	0.653134286	0.992789388	0.017654251	88.94691467	0.072932415	88.96196747	0.000902775	0.000902775	5.57704E-06	0.005419632	0.001791517	0.108487375	0.009133234	5.50503E-06	25.5653801	2.60397E-05	0.000137673	0.000252146	0.001907802
2046 Apr	289.7779236	0.653904855	0.993968785	0.017674331	89.04546356	0.072997905	89.05802917	0.000903202	0.000903202	5.58057E-06	0.005423851	0.001793502	0.108618878	0.009138947	5.50836E-06	25.58946037	2.60654E-05	0.000137797	0.000252393	0.001909563
2046 May	292.0674133	0.659173608	1.00199616	0.017808748	89.70879364	0.073389642	89.75881195	0.000904091	0.000904091	5.59511E-06	0.005449515	0.001808363	0.109566413	0.009187078	5.52149E-06	25.7689743	2.62492E-05	0.00013886	0.000254407	0.001921168
2046 Jun	306.7387085	0.679429889	1.032949328	0.018321438	92.14096069	0.074632905	95.57698822	0.000891247	0.000891247	5.59376E-06	0.0057599	0.001931197	0.116147466	0.009454404	5.51998E-06	27.17842484	2.83398E-05	0.000153902	0.00026644	0.001990689
2046 Jul	282.68396	0.604256451	0.917710781	0.01642715	82.9912262	0.070004098	90.05004883	0.000893254	0.000893254	5.48544E-06	0.005621309	0.001802684	0.106079742	0.009312099	5.44278E-06	25.96684647	2.71691E-05	0.000154561	0.000249522	0.001897523
2046 Aug	265.3930969	0.562729895	0.854537666	0.01535648	77.79514313	0.067076311	84.22320557	0.000904269	0.000904269	5.4758E-06	0.005417367	0.001698742	0.099464163	0.009192075	5.43382E-06	24.67323494	2.55949E-05	0.000147897	0.000238332	0.001824234
2046 Sep	262.0917053	0.554838836	0.842182636	0.015123969	76.69608307	0.066335946	82.76078033	0.000904069	0.000904069	5.47287E-06	0.005355664	0.001680481	0.09880051	0.009166604	5.42311E-06	24.34923744	2.5075E-05	0.000141825	0.000237645	0.001806854
2046 Oct	266.9176941	0.568023562	0.86175108	0.015429435	78.175354	0.067027733	83.81647491	0.00090151	0.00090151	5.4908E-06	0.005391688	0.001711904	0.101263925	0.009203526	5.43054E-06	24.58937263	2.53096E-05	0.00014124	0.000241359	0.001828485
2046 Nov	273.7945862	0.585290074	0.888167799	0.015863484	80.2590332	0.068139501	85.82099915	0.000899308	0.000899308	5.51326E-06	0.005450879	0.001754338	0.104270317	0.009238931	5.44668E-06	25.02235603	2.57988E-05	0.000143357	0.000245839	0.001859091
2046 Dec	274.8646851	0.58798945	0.892319858	0.015931724	80.5898328	0.068312183	86.1306076	0.000899024	0.000899024	5.51707E-06	0.005459594	0.00176086	0.104738288	0.00924372	5.44949E-06	25.08853149	2.5874E-05	0.000143671	0.000246536	0.001863847
2047 Jan	275.0096741	0.588354766	0.892879784	0.015940918	80.63024139	0.068335429	86.17221832	0.000898986	0.000898986	5.51759E-06	0.005460813	0.001761761	0.104801506	0.009244846	5.44986E-06	25.09779549	2.58842E-05	0.000143719	0.000246637	0.001864496
2047 Feb	275.0134583	0.588361263	0.892888248	0.01594107	80.63130188	0.068336211	86.17311096	0.000899002	0.000899002	5.51768E-06	0.005460913	0.001761802	0.104802519	0.009245583	5.44995E-06	25.09853745	2.58846E-05	0.000143726	0.00024665	0.001864529
2047 Mar	275.0827026	0.588508546	0.893110931	0.015945049	80.65158081	0.06835334	86.19464874	0.000899231	0.000899231	5.51908E-06	0.005462303	0.001762255	0.104828678	0.009248246	5.45134E-06	25.10507965	2.58912E-05	0.000143766	0.000246718	0.001865003
2047 Apr	275.1701355	0.588695109	0.893393636	0.015950099	80.67719269	0.068375029	86.22195435	0.000899518	0.000899518	5.52084E-06	0.005464049	0.001762821	0.104861863	0.009251378	5.45307E-06	25.11318398	2.58994E-05	0.000143813	0.000246799	0.001865599
2047 May	279.5515137	0.597862482	0.907190919	0.016175976	81.81710815	0.068938121	87.51437378	0.000899119	0.000899119	5.5399E-06	0.005514829	0.001795704	0.106770396	0.00941854	5.46816E-06	25.50138474	2.62707E-05	0.000146747	0.00025209	0.001887729
2047 Jun	284.4411011	0.60208112	0.912143528	0.016236501	82.36761475	0.068738237	88.92402649	0.000892359	0.000892359	5.52993E-06	0.00561894	0.0018606	0.10891068	0.010204061	5.45289E-06	26.37773132	2.69661E-05	0.000158531	0.000267961	0.001917381
2047 Jul	275.1451416	0.579533935	0.878029346	0.01566587	79.55355835	0.067242362	85.82754517	0.000902715	0.000902715	5.54599E-06	0.005527369	0.001805312	0.105287768	0.010113955	5.47012E-06	25.67484665	2.62276E-05	0.000157752	0.00026037	0.001883243
2047 Aug	263.5865173	0.552009165	0.836298704	0.014964593	76.12981415	0.065370753	81.94940948	0.000912489	0.000912489	5.55058E-06	0.005402489	0.001734069	0.100820974	0.0099961	5.47586E-06	24.78787231	2.52102E-05	0.000153053	0.000252075	0.001834419
2047 Sep	259.0834351	0.540456951	0.818695009	0.014654825	74.61312103	0.064412624	80.26947021	0.000913272	0.000913272	5.54508E-06	0.005343071	0.001707751	0.099570476	0.00990833	5.46546E-06	24.37350082	2.47062E-05	0.000147645	0.000249353	0.001812046
2047 Oct	263.6187439	0.550522804	0.833881021	0.014892737	75.74124146	0.064909458	81.45645142	0.000910468	0.000910468	5.56086E-06	0.005376551	0.001738029	0.102014609	0.009900862	5.47198E-06	24.60610199	2.49735E-05	0.000147247	0.000252446	0.001833101
2047 Nov	267.4547119	0.559274554	0.847187519	0.015110875	76.78862762	0.065468751	82.61696625	0.000909052	0.000909052	5.57337E-06	0.005413023	0.001763005	0.103770569	0.009922649	5.48066E-06	24.8584671	2.52602E-05	0.000148506	0.000255032	0.001850874
2047 Dec	268.1209106	0.560795486	0.849526227	0.015149312	76.97273254	0.065565921	82.81848145	0.000908879	0.000908879	5.57589E-06	0.005418739	0.00176723	0.104073897	0.009925702	5.48253E-06	24.90154457	2.53092E-05	0.000148708	0.000255483	0.00185397
2048 Jan	268.3295593	0.561270833	0.850256264	0.015161313	77.03037262	0.065596364	82.88143158	0.00090883	0.00090883	5.57671E-06	0.005420558	0.001768564	0.104168594	0.009927034	5.48314E-06	24.91528893	2.53246E-05	0.000148775	0.00025563	0.001854946
2048 Feb	268.3391418	0.561289608	0.850283623	0.015161802	77.03308868	0.0655986	82.88415527	0.000908866	0.000908866	5.57692E-06	0.005420772	0.00176864	0.104171969	0.009927861	5.48335E-06	24.91648865	2.53255E-05	0.000148785	0.000255647	0.001855019
2048 Mar	268.3404846	0.561291814	0.850286365	0.015161853	77.03346252	0.065598875	82.88445282	0.000908873	0.000908873	5.57696E-06	0.005420811	0.001768656	0.104172312	0.009928169	5.48339E-06	24.91678429	2.53257E-05	0.000148788	0.000255652	0.001855032
2048 Apr	268.4802856	0.561579168	0.850720763	0.015169506	77.07242584	0.06563013	82.92765045	0.000909265	0.000909265	5.57948E-06	0.005423401	0.0017696	0.104227796	0.009933468	5.48585E-06	24.92980957	2.53386E-05	0.000148868	0.000255794	0.001855962
2048 May	269.0117493	0.562688053	0.852400422	0.015199371	77.22407532	0.065757543	83.09185028	0.000910992	0.000910992	5.59018E-06	0.005433921	0.001773115	0.104435496	0.00995292	5.49635E-06	24.97895622	2.53884E-05	0.000149162	0.000256302	0.001859599
2048 Jun	260.3459778	0.54151547	0.820124745	0.014654491	74.50064087	0.064021029	80.30998993	0.000909125	0.000909125	5.54339E-06	0.005427557	0.001731179	0.100957058	0.009901074	5.4538E-06	24.37823486	2.50478E-05	0.000149474	0.000249799	0.001814484
2048 Jul	248.5136414	0.513016284	0.776796281	0.013926022	70.88757324	0.06188463	76.48240662	0.000911459	0.000911459	5.5055E-06	0.005358099	0.001667297	0.096206747	0.009805635	5.42052E-06	23.52565765	2.43235E-05	0.000148792	0.000240567	0.001759951
2048 Aug	253.5015869	0.522035837	0.790674627	0.014151989	71.96118927	0.062521063	78.02767181	0.000912482	0.000912482	5.54012E-06	0.005402239	0.001703636	0.098767355	0.00984043	5.44806E-06	23.86642265	2.46688E-05	0.000151173	0.000243869	0.00178755
2048 Sep	263.2113037	0.541602373	0.820419133	0.014638844	74.30279541	0.063786402	81.1042099	0.000908575	0.000908575	5.57217E-06	0.005496076	0.00177	0.103406005	0.00990028	5.47002E-06	24.53986168	2.54068E-05	0.000154551	0.000250671	0.001834215
2048 Oct	270.8029785	0.556537151	0.842902243	0.015007799	76.18022919	0.06473586	83.47444153	0.000904621	0.000904621	5.59122E-06	0.005570339	0.001819941	0.106968999	0.00994138	5.4821E-06	25.05383492	2.59879E-05	0.000157033	0.000255862	0.001870136
2048 Nov	273.1685486	0.56126523	0.849980772	0.015124091	76.76519012	0.065046318	84.20681	0.000903797	0.000903797	5.5993E-06	0.005596125	0.001835892	0.108081922	0.009960003	5.48788E-06	25.21762085	2.61726E-05	0.00015787	0.000257523	0.001881603
2048 Dec	273.3261719	0.561589658	0.850476325	0.015132264	76.80452728	0.065067999	84.25618744	0.000903787	0.000903787	5.60007E-06	0.005597712	0.001836942	0.108155914	0.009961169	5.48849E-06	25.22854042	2.61849E-05	0.000157924	0.000257636	0.001882386
2049 Jan	273.3291321	0.561594963	0.850482523	0.015132369	76.80523682	0.065068558	84.25688171	0.000903795	0.000903795	5.60012E-06	0.005597811	0.001836977	0.108157016	0.009961636	5.48854E-06	25.22904778	2.61853E-05	0.000157929	0.000257644	0.00188241
2049 Feb	273.3300476	0.561595798	0.850482583	0.015132373	76.8054657	0.065068685	84.25695038	0.000903802	0.000903802	5.60015E-06	0.00559785	0.001836996	0.108157046	0.009962125	5.48857E-06	25.22943115	2.61854E-05	0.000157934	0.000257652	0.001882422
2049 Mar	273.3514709	0.561639071	0.850547612	0.015133532	76.8114624	0.065073729	84.2634201	0.000903874	0.000903874	5.6006E-06	0.005598299	0.001837146	0.108165324	0.009963152	5.48901E-06	25.23156929	2.61875E-05	0.000157949	0.000257677	0.001882573
2049 Apr	273.4645691	0.561871171	0.850898743	0.015139779	76.84323883	0.065100625	84.2982254	0.000904249	0.000904249	5.60292E-06	0.005600622	0.00183791	0.108209975	0.009967417	5.49129E-06	25.24210358	2.61983E-05	0.000158015	0.000257785	0.001883354
2049 May	274.019928	0.562947512	0.852516472	0.015168236	76.98963165	0.065216735	84.46949768	0.000905768	0.000905768	5.6128E-06	0.00561156	0.001841913	0.108434968	0.009991989	5.50089E-06	25.29644966	2.62524E-05	0.000158391	0.000258406	0.001887083
2049 Jun	269.0855103	0.548181176	0.829843163	0.01479232	75.50608063	0.063993461	82.77077484	0.000902373	0.000902373	5.56743E-06	0.005637352	0.001816579	0.106211901	0.010004417	5.46224E-06	24.96523857	2.61742E-05	0.000159224	0.000255056	0.001856927
2049 Jul	270.7653503	0.547907054	0.829484522	0.014787881	75.70803833	0.063926786	83.30587769	0.000900473	0.000900473	5.56456E-06	0.005687043	0.001830935	0.107056253	0.010022867	5.45961E-06	25.08855438	2.64421E-05	0.000160683	0.000256072	0.001863371
2049 Aug	275.8218689	0.557249963	0.843762398	0.015028591	76.88616943	0.064700603	84.94525146	0.000904443	0.000904443	5.60981E-06	0.005752675	0.001866253	0.109404027	0.010101506	5.50049E-06	25.48426819	2.68661E-05	0.00016279	0.000260101	0.001891751
2049 Sep	284.1105957	0.571951687	0.865922928	0.015390134	78.61940765	0.065647371	87.68742371	0.000900756	0.000900756	5.6374E-06	0.005838539	0.001925543	0.113532797	0.010157222	5.5189E-06	26.08743095	2.75258E-05	0.000165798	0.000266168	0.001933435
2049 Oct	291.366272	0.584702671	0.884978652	0.015700961	80.15543365	0.066445261	90.06488037	0.000896839	0.000896839	5.65765E-06	0.005914814	0.001976567	0.117127903	0.01020198	5.53136E-06	26.60668373	2.81086E-05	0.000168324	0.00027142	0.001969618
2049 Nov	296.3591614	0.593733966	0.898792624	0.015927589	81.26174927	0.067012161	91.69087982	0.000895075	0.000895075	5.67594E-06	0.005960926	0.002010369	0.119567923	0.010225379	5.5444E-06	26.95425606	2.85011E-05	0.000169918	0.000275033	0.00199449
2049 Dec	296.9228821	0.594773829	0.900391698	0.01595383	81.38716888	0.067077607	91.87462616	0.000894921	0.000894921	5.67826E-06	0.005966078	0.002014198	0.119843863	0.010228063	5.54611E-06	26.99351883	2.85455E-05	0.000170098	0.000275445	0.001997317
2050 Jan	296.9594116	0.594840705	0.900492847	0.015955497	81.39533997	0.067082137	91.88629913	0.000894923	0.000894923	5.67846E-06	0.005966485	0.002014459	0.119861335	0.01022868	5.54628E-06	26.99636269	2.85485E-05	0.000170114	0.000275477	0.00199751
2050 Feb	296.9602356	0.594841361	0.900492847	0.0159555	81.39555359	0.067082241	91.88635254	0.000894929	0.000894929	5.67849E-06	0.005966519	0.002014476	0.119861342	0.010229127	5.5463E-06	26.99671364	2.85486E-05	0.000170118	0.000275484	0.001997522
2050 Mar	296.964325	0.59484905	0.900503933	0.015955696	81.39665985	0.067083128	91.88751221	0.000894943	0.000894943	5.67858E-06	0.005966612	0.00201451	0.119862825	0.010229496	5.54639E-06	26.99723434	2.8549E-05	0.000170123	0.000275492	0.001997552
2050 Apr	297.0552063	0.595030785	0.90077877	0.015960567	81.42156982	0.067103632	91.91557312	0.000895218	0.000895218	5.68032E-06	0.005968444	0.00201513	0.119899407	0.010232757	5.54809E-06	27.00558281	2.85577E-05	0.000170176	0.000275578	0.001998165
2050 May	297.5249023	0.595925629	0.902124524	0.015984256	81.54380798	0.067200348	92.06040192	0.00089649	0.00089649	5.68865E-06	0.005977778	0.002018511	0.12009231	0.010252424	5.55617E-06	27.05070686	2.86037E-05	0.000170485	0.000276085	0.002001305
2050 Jun	292.002533	0.579876006	0.877223134	0.015576366	80.08599854	0.065993592	90.10414886	0.000895281	0.000895281	5.64658E-06	0.005981229	0.00198616	0.117303908	0.010359551	5.52362E-06	26.73766327	2.83993E-05	0.000171371	0.000273814	0.001970348
2050 Jul	291.0077209	0.572725296	0.866309166	0.015401714	79.69207001	0.065517344	89.77928162	0.000892649	0.000892649	5.62218E-06	0.00599314	0.001978281	0.116744444	0.010343093	5.50474E-06	26.65847015	2.84148E-05	0.000171469	0.000272532	0.001962674
2050 Aug	295.9998169	0.580759764	0.878628075	0.01560746	80.69406891	0.066149957	91.46725464	0.000894406	0.000894406	5.65772E-06	0.006052636	0.002014612	0.119191699	0.010404651	5.53542E-06	27.04878235	2.88326E-05	0.0001734	0.000276501	0.00199056
2050 Sep	301.425415	0.589133799	0.891189933	0.015812334	81.67234802	0.066707432	93.33348846	0.000892433	0.000892433	5.679E-06	0.006112424	0.002055004	0.121986777	0.010447204	5.55044E-06	27.46400642	2.928E-05	0.000175484	0.000280648	0.002019212
2050 Oct	304.9326782	0.594859004	0.899867356	0.015954994	82.3571167	0.067088	94.51615906	0.00089192	0.00089192	5.69614E-06	0.006150581	0.002080123	0.123753734	0.010474216	5.56365E-06	27.72562408	2.95728E-05	0.000176749	0.000283348	0.002037851
2050 Nov	306.9819336	0.598252654	0.905091226	0.016040869	82.76760864	0.067304872	95.20475769	0.000891537	0.000891537	5.70573E-06	0.006170231	0.002094416	0.124782525	0.010485368	5.57095E-06	27.87376213	2.97399E-05	0.000177427	0.000284903	0.002048547
2050 Dec	307.3013306	0.598779917	0.90590173	0.016054176	82.83114624	0.067338236	95.31214905	0.000891465	0.000891465	5.70717E-06	0.006173295	0.002096652	0.124943443	0.010487061	5.57203E-06	27.89683533	2.97659E-05	0.000177533	0.000285145	0.002050211
2051 Jan	307.4430542	0.598999679	0.90623939	0.016059706	82.85818481	0.067352049	95.36063385	0.000891427	0.000891427	5.70776E-06	0.006174613	0.002097626	0.125013947	0.01048791	5.57247E-06	27.90733147	2.97774E-05	0.000177579	0.000285253	0.002050943
2051 Feb	307.4573364	0.599018693	0.906268001	0.016060185	82.86081696	0.067353494	95.36555481	0.000891433	0.000891433	5.70785E-06	0.006174775	0.002097725	0.1250204	0.010488295	5.57256E-06	27.90863419	2.97786E-05	0.000177586	0.000285268	0.002051022
2051 Mar	307.4728699	0.599048734	0.906313121	0.016060984	82.86501312	0.067356884	95.37031555	0.00089148	0.00089148	5.70815E-06	0.006175094	0.002097835	0.125026613	0.010488965	5.57285E-06	27.91013908	2.97802E-05	0.000177597	0.000285284	0.002051127
2051 Apr	307.6094055	0.59931457	0.906715095	0.016068108	82.90180206	0.067386776	95.41262817	0.000891876	0.000891876	5.71068E-06	0.006177839	0.002098768	0.125082061	0.010493701	5.57532E-06	27.92258644	2.97934E-05	0.000177676	0.000285412	0.002052039
2051 May	310.983551	0.603583694	0.913208365	0.016175427	83.48779297	0.067690462	96.60625458	0.000892321	0.000892321	5.72842E-06	0.006214267	0.00212143	0.126648128	0.010552465	5.59117E-06	28.21218872	3.00836E-05	0.000179094	0.00028838	0.002069981
2051 Jun	318.2573853	0.597497046	0.903287709	0.016006883	83.82929993	0.066946894	99.36865997	0.000882402	0.000882402	5.69456E-06	0.006322612	0.002169851	0.129675746	0.010889272	5.56462E-06	29.04050446	3.09601E-05	0.000185299	0.000297944	0.002101058
2051 Jul	318.0655518	0.592552602	0.895697474	0.015891228	83.72987366	0.066728123	99.34004974	0.000883261	0.000883261	5.68798E-06	0.006338191	0.002162514	0.129275665	0.010887721	5.5647E-06	29.03790283	3.10147E-05	0.000185427	0.000297174	0.002098588
2051 Aug	320.942688	0.595221519	0.899648726	0.015956713	84.10238647	0.067032032	100.4409637	0.000884086	0.000884086	5.70509E-06	0.006375871	0.00218419	0.130662084	0.01093736	5.58066E-06	29.30601692	3.12469E-05	0.000186685	0.000299281	0.00211466
2051 Sep	322.7631226	0.595332921	0.899074793	0.015944585	84.17725372	0.067083888	101.2184601	0.000881249	0.000881249	5.69781E-06	0.006403812	0.002197281	0.131558642	0.010958102	5.57378E-06	29.48975372	3.14022E-05	0.000187436	0.000300316	0.002123768
2051 Oct	323.7165222	0.591132283	0.890881538	0.015809007	84.01043701	0.066880666	101.6972427	0.000875523	0.000875523	5.66573E-06	0.00643154	0.002200253	0.131878033	0.010971499	5.54655E-06	29.61301804	3.14789E-05	0.000187645	0.000300125	0.002127048
2051 Nov	325.1667786	0.592493355	0.892771542	0.015840253	84.23313904	0.06698934	102.2261734	0.000875035	0.000875035	5.66931E-06	0.006448519	0.002209307	0.132548973	0.010984019	5.5498E-06	29.73278618	3.15996E-05	0.000188107	0.000301084	0.002134436
2051 Dec	325.561615	0.592993796	0.893540144	0.015852833	84.29979706	0.067022339	102.3690643	0.000874941	0.000874941	5.67072E-06	0.006452075	0.002211822	0.132737443	0.010985855	5.55097E-06	29.76347351	3.16318E-05	0.000188222	0.00030136	0.002136431
2052 Jan	325.5779724	0.593013048	0.893568039	0.015853288	84.30240631	0.067023687	102.3748322	0.000874941	0.000874941	5.67079E-06	0.006452268	0.002211194	0.132745057	0.010986309	5.55104E-06	29.76500702	3.16332E-05	0.00018823	0.000301377	0.00213652
2052 Feb	325.5849609	0.593024969	0.893584907	0.015853589	84.30420685	0.067025058	102.3768158	0.000874964	0.000874964	5.67093E-06	0.006452427	0.002211999	0.132747561	0.010986988	5.55118E-06	29.76593781	3.16339E-05	0.000188238	0.00030139	0.002136572
2052 Mar	325.622406	0.59309262	0.893686354	0.015855391	84.31389618	0.067032732	102.3884735	0.000875067	0.000875067	5.67159E-06	0.00645318	0.002212226	0.132762656	0.010988492	5.55182E-06	29.7695179	3.16376E-05	0.000188262	0.000301429	0.002136822
2052 Apr	325.7037659	0.593240619	0.893909037	0.015859341	84.33496857	0.067049474	102.4139938	0.000875287	0.000875287	5.67301E-06	0.006454798	0.002212816	0.132795736	0.010991371	5.55322E-06	29.7770443	3.16455E-05	0.00018831	0.000301506	0.002137357
2052 May	325.7182617	0.592715383	0.892911971	0.015842743	84.29361725	0.067013435	102.3917084	0.000876335	0.000876335	5.67746E-06	0.006464335	0.002215941	0.132745698	0.010184986	5.55784E-06	29.84386635	3.16765E-05	0.00018928	0.000302954	0.002138783
2052 Jun	322.0490417	0.581275523	0.874745607	0.015545113	83.32661438	0.066166237	101.0360107	0.000876923	0.000876923	5.65277E-06	0.006462133	0.002197476	0.130640209	0.011367225	5.54087E-06	29.78294373	3.1523E-05	0.00019151	0.000304882	0.002121059
2052 Jul	325.4170532	0.583409727	0.878076673	0.015602374	83.70716095	0.066437013	102.3506012	0.000878497	0.000878497	5.6752E-06	0.006509886	0.002222112	0.13225618	0.01141657	5.56259E-06	30.08937836	3.18371E-05	0.000192796	0.000307363	0.002140465
2052 Aug	328.5243225	0.586553156	0.882823229	0.015682247	84.14144135	0.066761382	103.5283508	0.000879995	0.000879995	5.69703E-06	0.006549935	0.0022445	0.133747458	0.011464518	5.58302E-06	30.37016296	3.21041E-05	0.000194067	0.000309751	0.002158274
2052 Sep	331.5291138	0.58888346	0.886050463	0.015733257	84.43217468	0.066955075	104.7235947	0.000878676	0.000878676	5.70512E-06	0.006586488	0.002266312	0.135274604	0.011491915	5.58948E-06	30.64169121	3.23637E-05	0.000195217	0.000311876	0.002174436
2052 Oct	335.4291992	0.592771828	0.891764939	0.015825577	84.93198395	0.067219242	106.2070541	0.000877302	0.000877302	5.7174E-06	0.00662861	0.002292825	0.137213275	0.011516768	5.59936E-06	30.96722794	3.2701E-05	0.000196476	0.000314664	0.002195009
2052 Nov	336.3687439	0.593873799	0.893454611	0.015853491	85.0798645	0.067297712	106.5514832	0.000877298	0.000877298	5.7219E-06	0.006638049	0.002298968	0.137666583	0.011523327	5.6033E-06	31.04295158	3.27807E-05	0.000196774	0.000315353	0.002199985
2052 Dec	336.8304443	0.594389141	0.894248068	0.015866447	85.14832306	0.067330852	106.7229309	0.000877175	0.000877175	5.72355E-06	0.006642209	0.002301969	0.137892678	0.011525244	5.60465E-06	31.07955551	3.28192E-05	0.000196908	0.000315682	0.00220237

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2053 Jan	336.9547424	0.594522178	0.894452214	0.01586978	85.16603851	0.067339413	106.7692947	0.000877145	0.000877145	5.72401E-06	0.006643357	0.002302789	0.137953803	0.011526002	5.60504E-06	31.08963966	3.28296E-05	0.000196946	0.000315775	0.002203021
2053 Feb	336.993988	0.594569921	0.894524395	0.015871005	85.17268372	0.067343526	106.7832489	0.000877173	0.000877173	5.72433E-06	0.00664386	0.002303059	0.137972057	0.011526835	5.60534E-06	31.09314919	3.28331E-05	0.000196964	0.000315811	0.002203248
2053 Mar	337.0458679	0.594661176	0.894661367	0.015873436	85.18580627	0.067353882	106.7996063	0.00087731	0.00087731	5.72522E-06	0.00664489	0.002303418	0.137993172	0.011528773	5.6062E-06	31.09804344	3.28382E-05	0.000196996	0.000315862	0.00220359
2053 Apr	337.2080078	0.59494704	0.895091236	0.015881063	85.22678375	0.06738627	106.8509445	0.000877733	0.000877733	5.72798E-06	0.006648091	0.002304529	0.138059497	0.011534411	5.6089E-06	31.11306381	3.2854E-05	0.000197092	0.000316016	0.002204651
2053 May	346.1846008	0.601168394	0.904288173	0.016027261	86.17470551	0.067686975	110.233284	0.000875282	0.000875282	5.75852E-06	0.006742145	0.002370562	0.142453581	0.011785848	5.63427E-06	31.99694252	3.36777E-05	0.000201896	0.000326102	0.002254184
2053 Jun	346.3199768	0.588317096	0.883666277	0.01568285	85.35346222	0.066565596	110.4203186	0.000869526	0.000869526	5.71597E-06	0.006755921	0.002377857	0.142108425	0.012232635	5.60033E-06	32.37460327	3.38483E-05	0.000206474	0.000333695	0.002255879
2053 Jul	348.8055115	0.589618802	0.885665715	0.015721651	85.72582245	0.066777997	111.3576279	0.000872138	0.000872138	5.73717E-06	0.006796244	0.002392692	0.143176109	0.012267743	5.62255E-06	32.59654236	3.41063E-05	0.000207543	0.000335454	0.002270093
2053 Aug	355.1256104	0.596548796	0.896224618	0.015899369	86.68061829	0.067385964	113.6981049	0.000875035	0.000875035	5.78153E-06	0.006872776	0.002435847	0.14620848	0.01234824	5.66348E-06	33.1410675	3.46642E-05	0.000209955	0.000340417	0.002305866
2053 Sep	364.8935242	0.606549144	0.911584795	0.016152559	88.02246857	0.068098888	117.3769455	0.000874601	0.000874601	5.82744E-06	0.006970844	0.002500995	0.151030213	0.01241242	5.70332E-06	33.94617081	3.55054E-05	0.000213079	0.00034769	0.002358557
2053 Oct	371.0898743	0.61255157	0.920789778	0.016302601	88.81509399	0.068489671	119.7413254	0.000873003	0.000873003	5.85045E-06	0.007029373	0.002542265	0.154131398	0.012439337	5.72233E-06	34.45214844	3.60368E-05	0.000214922	0.000352201	0.00239149
2053 Nov	372.0768127	0.613357902	0.921964526	0.016321313	88.91605377	0.068542145	120.1293106	0.000872562	0.000872562	5.85327E-06	0.007039951	0.002549122	0.154638082	0.01244404	5.72449E-06	34.53594208	3.61238E-05	0.000215231	0.000352907	0.0023968
2053 Dec	372.3434753	0.613615453	0.922359645	0.016327739	88.94992065	0.068558335	120.2308044	0.000872483	0.000872483	5.85422E-06	0.007042431	0.002550898	0.154772103	0.012445088	5.72527E-06	34.55757141	3.61466E-05	0.000215309	0.0003531	0.00239821
2054 Jan	372.4100647	0.613674819	0.922449768	0.016329201	88.95775604	0.068562038	120.2562485	0.000872466	0.000872466	5.85447E-06	0.007043077	0.002551355	0.154805675	0.012445658	5.72547E-06	34.56322861	3.61524E-05	0.000215331	0.000353154	0.00239857
2054 Feb	372.4240112	0.613690674	0.922472954	0.016329598	88.96007538	0.068563491	120.2610703	0.000872481	0.000872481	5.85461E-06	0.00704328	0.002551461	0.154811949	0.012446289	5.7256E-06	34.5647049	3.61537E-05	0.00021534	0.000353172	0.002398657
2054 Mar	372.4268494	0.613694966	0.922478914	0.016329704	88.96075439	0.06856399	120.261879	0.00087249	0.00087249	5.85466E-06	0.007043344	0.002551486	0.154812932	0.012446605	5.72565E-06	34.56510925	3.6154E-05	0.000215344	0.000353178	0.002398679
2054 Apr	372.5804138	0.613947809	0.922858715	0.016336428	88.99744415	0.06859225	120.3114014	0.000872851	0.000872851	5.85708E-06	0.007046255	0.002552542	0.154876694	0.012451864	5.72802E-06	34.57944489	3.61689E-05	0.000215434	0.000353326	0.002399669
2054 May	372.8563843	0.61400187	0.922807276	0.01633605	89.02297974	0.068611845	120.3878098	0.000874097	0.000874097	5.86404E-06	0.007057369	0.002556527	0.154965445	0.012520807	5.73491E-06	34.64795303	3.62156E-05	0.000216214	0.000354524	0.002402352
2054 Jun	366.1736755	0.598494351	0.898379862	0.015919251	87.08462524	0.06724456	118.1114578	0.000870848	0.000870848	5.81411E-06	0.007033136	0.002529908	0.151843056	0.012836632	5.68972E-06	34.4219017	3.58882E-05	0.00021858	0.00035581	0.002369418
2054 Jul	365.7846375	0.593526185	0.890934408	0.01579689	86.63039398	0.066949397	118.1750336	0.000870003	0.000870003	5.80544E-06	0.007042246	0.002528113	0.151726454	0.012807675	5.68388E-06	34.41371536	3.5923E-05	0.000218401	0.000354904	0.002367445
2054 Aug	369.1213074	0.595276773	0.893507302	0.015838791	86.87744904	0.06717068	119.5433502	0.000870314	0.000870314	5.82361E-06	0.007083083	0.002553345	0.153460264	0.01284519	5.70029E-06	34.72834015	3.62109E-05	0.000219723	0.000357386	0.002386887
2054 Sep	371.7266541	0.596548676	0.895243347	0.01586605	87.03927612	0.067313246	120.619194	0.000869904	0.000869904	5.8349E-06	0.007115774	0.002573084	0.154842287	0.012870181	5.71E-06	34.97387695	3.64395E-05	0.000220774	0.000359287	0.002401817
2054 Oct	372.888031	0.596197486	0.894321501	0.015849724	87.0254364	0.067306913	121.1424561	0.000868567	0.000868567	5.83351E-06	0.007132966	0.00258128	0.15546985	0.012872152	5.70851E-06	35.08652115	3.655E-05	0.000221097	0.000359948	0.002408433
2054 Nov	373.2872314	0.595950484	0.893793762	0.015841104	87.02623749	0.067301907	121.3191071	0.00086814	0.00086814	5.83279E-06	0.007138744	0.002583676	0.155670464	0.012872062	5.708E-06	35.12420273	3.6586E-05	0.000221181	0.000360136	0.002410656
2054 Dec	373.8821411	0.59645766	0.894575179	0.015853807	87.09289551	0.067333259	121.5496368	0.000867973	0.000867973	5.83501E-06	0.007144306	0.002587694	0.155974686	0.012874304	5.70981E-06	35.17322159	3.66376E-05	0.000221355	0.000360575	0.002413864
2055 Jan	373.9685974	0.5965271	0.894680977	0.015855515	87.10199738	0.067337371	121.5832138	0.000867946	0.000867946	5.83532E-06	0.007145126	0.002588291	0.156019047	0.012874912	5.71005E-06	35.18057632	3.66452E-05	0.000221383	0.000360644	0.002414335
2055 Feb	373.9694824	0.59652704	0.894679964	0.015855497	87.10210419	0.067337371	121.5833511	0.00086795	0.00086795	5.83534E-06	0.007145156	0.002588309	0.156019166	0.012875366	5.71007E-06	35.18095016	3.66453E-05	0.000221388	0.000360652	0.002414346
2055 Mar	373.9846191	0.596550822	0.894714952	0.015856119	87.10562897	0.067340069	121.5881271	0.000867988	0.000867988	5.83558E-06	0.007145456	0.00258842	0.156025261	0.012876133	5.71031E-06	35.18252945	3.66468E-05	0.000221399	0.00036067	0.002414447
2055 Apr	374.1113892	0.596752882	0.895017624	0.015861483	87.13516998	0.06736289	121.6292801	0.000868283	0.000868283	5.83757E-06	0.007147885	0.002589302	0.156078056	0.012880638	5.71226E-06	35.19454956	3.66592E-05	0.000221475	0.000360795	0.002415268
2055 May	374.7249146	0.597668648	0.896393657	0.015885744	87.26810455	0.067463368	121.8338013	0.000869516	0.000869516	5.84628E-06	0.007158892	0.002593544	0.156341508	0.012899552	5.72073E-06	35.25153732	3.67186E-05	0.000221817	0.000361372	0.002419158
2055 Jun	369.219696	0.578880966	0.868088305	0.015421432	85.44125366	0.066032648	120.2139969	0.000866081	0.000866081	5.79395E-06	0.007148416	0.002553064	0.153822973	0.012739966	5.67908E-06	34.80764008	3.65347E-05	0.000220244	0.000355178	0.002385462
2055 Jul	365.6130066	0.569768727	0.854259491	0.015201632	84.71287537	0.065514229	118.9856567	0.000867697	0.000867697	5.77573E-06	0.007135059	0.002524041	0.151853547	0.012690476	5.66909E-06	34.52274704	3.63255E-05	0.000219157	0.000351514	0.002365161
2055 Aug	368.2778015	0.57227695	0.858024836	0.015267231	85.07756805	0.065822311	119.9927444	0.000870827	0.000870827	5.80357E-06	0.007176794	0.002543757	0.153123051	0.012750204	5.69578E-06	34.77737808	3.65758E-05	0.000220431	0.000353817	0.002381849
2055 Sep	370.5623169	0.572936237	0.858812094	0.01527837	85.14430237	0.0659118	120.974472	0.000870147	0.000870147	5.81243E-06	0.007205783	0.002561714	0.154381201	0.012770806	5.70308E-06	34.9999733	3.67811E-05	0.000221357	0.000355525	0.0023953
2055 Oct	372.5222778	0.574240685	0.860682547	0.015308718	85.30819702	0.066013783	121.7610703	0.000869924	0.000869924	5.82147E-06	0.007229535	0.002575819	0.155403867	0.012786976	5.71079E-06	35.17528152	3.69628E-05	0.000222046	0.000357042	0.002406577
2055 Nov	373.933197	0.575253904	0.86221242	0.015333524	85.43886566	0.066080004	122.3202972	0.0008696	0.0008696	5.82722E-06	0.007244084	0.002585658	0.156138897	0.012794342	5.71553E-06	35.29605865	3.70892E-05	0.000222489	0.000358115	0.002414445
2055 Dec	374.5365906	0.575686634	0.862878859	0.015344271	85.49479675	0.066105135	122.5596466	0.000869392	0.000869392	5.82936E-06	0.007249706	0.002589809	0.156454474	0.012796267	5.71722E-06	35.34667587	3.71424E-05	0.000222664	0.000358567	0.002417753
2056 Jan	374.5692444	0.57571125	0.862914503	0.015344856	85.49810791	0.06610699	122.5721283	0.000869397	0.000869397	5.82955E-06	0.007250109	0.002590051	0.156470954	0.012796968	5.71739E-06	35.34978485	3.71454E-05	0.000222679	0.000358599	0.002417945
2056 Feb	374.5727234	0.57571584	0.862920046	0.015344958	85.49893951	0.066107571	122.5729904	0.00086941	0.00086941	5.82962E-06	0.007250202	0.00259009	0.156471968	0.012797649	5.71747E-06	35.35047913	3.71458E-05	0.000222687	0.000358612	0.002417976
2056 Mar	374.5934143	0.575747252	0.862966359	0.015345782	85.50366974	0.066111192	122.5795975	0.000869461	0.000869461	5.82996E-06	0.007250616	0.002590241	0.156480357	0.01279866	5.71779E-06	35.3526268	3.71478E-05	0.000222702	0.000358636	0.002418114
2056 Apr	374.7434998	0.575977683	0.86331141	0.015351919	85.53794098	0.066137664	122.628624	0.000869811	0.000869811	5.8323E-06	0.00725353	0.002591284	0.156542927	0.01280396	5.72009E-06	35.36690521	3.71627E-05	0.000222793	0.000358783	0.002419085
2056 May	373.9204712	0.574203312	0.86026448	0.015300513	85.32975006	0.065996364	122.274147	0.000871334	0.000871334	5.83495E-06	0.007260001	0.002591377	0.156066373	0.012958944	5.72322E-06	35.41191483	3.71407E-05	0.000222182	0.000360696	0.00241694
2056 Jun	365.4055176	0.557174146	0.833224177	0.014846289	83.43673706	0.064589851	119.1630249	0.000869176	0.000869176	5.77542E-06	0.007200552	0.00254822	0.151662007	0.013362815	5.67254E-06	35.07901382	3.65777E-05	0.00022632	0.000362082	0.002374619
2056 Jul	368.1086426	0.55853653	0.835303426	0.014885595	83.73019409	0.064821459	120.2189255	0.000872578	0.000872578	5.80373E-06	0.007247322	0.002567433	0.152944461	0.013414813	5.70052E-06	35.33758545	3.68611E-05	0.000227585	0.000364284	0.002391582
2056 Aug	371.5047607	0.560455739	0.838200867	0.014934673	83.99908447	0.065067165	121.5973282	0.000874263	0.000874263	5.82929E-06	0.007292746	0.002593399	0.154699609	0.013464693	5.72409E-06	35.66065216	3.71732E-05	0.000228945	0.00036706	0.002412508
2056 Sep	375.1988831	0.563023806	0.841967642	0.014997629	84.34267426	0.065304562	123.0637817	0.000875161	0.000875161	5.85249E-06	0.007340107	0.00262006	0.156595439	0.013507303	5.74496E-06	35.99744797	3.75188E-05	0.000230376	0.000370042	0.002434339
2056 Oct	378.8716736	0.564127147	0.84334892	0.015016433	84.43695068	0.065348953	124.6409531	0.000872538	0.000872538	5.86007E-06	0.007380289	0.002647412	0.158656567	0.013512637	5.74951E-06	36.32858276	3.78617E-05	0.000231452	0.000372726	0.002455396
2056 Nov	380.315033	0.564818323	0.844338119	0.015031824	84.51688385	0.065388858	125.237915	0.000871915	0.000871915	5.86484E-06	0.007395824	0.002657873	0.159441397	0.013517855	5.75314E-06	36.45595169	3.79946E-05	0.000231895	0.000373813	0.002463625
2056 Dec	380.7293091	0.565079451	0.844740272	0.015038309	84.55050659	0.065403901	125.4041061	0.000871789	0.000871789	5.86643E-06	0.007399803	0.002660762	0.159660921	0.013519282	5.75441E-06	36.49119186	3.80317E-05	0.000232017	0.000374129	0.002465938
2057 Jan	380.736908	0.565086603	0.844749153	0.015038469	84.55157471	0.065404825	125.4067001	0.000871804	0.000871804	5.86654E-06	0.007399975	0.002660829	0.159664303	0.013519835	5.75451E-06	36.4921608	3.80325E-05	0.000232024	0.000374141	0.002465992
2057 Feb	380.7397156	0.565090239	0.844753504	0.015038549	84.55222321	0.065405272	125.4073792	0.000871815	0.000871815	5.8666E-06	0.007400049	0.00266086	0.159665123	0.013520365	5.75457E-06	36.4927063	3.80328E-05	0.00023203	0.00037415	0.002466016
2057 Mar	380.7796021	0.565149069	0.844841003	0.015040106	84.56109619	0.065412112	125.4203949	0.000871909	0.000871909	5.86722E-06	0.007400835	0.002661144	0.159681663	0.013522016	5.75518E-06	36.49668121	3.80368E-05	0.000232056	0.000374193	0.002466278
2057 Apr	380.9416199	0.565389395	0.845200002	0.015046498	84.59709167	0.065439932	125.4736938	0.000872281	0.000872281	5.86973E-06	0.00740399	0.002662281	0.159749493	0.013527905	5.75764E-06	36.51229477	3.8053E-05	0.000232156	0.000374354	0.002467329
2057 May	381.4193115	0.565855086	0.845802307	0.015057729	84.67884064	0.065505266	125.6193237	0.000873915	0.000873915	5.87955E-06	0.00741768	0.002667091	0.159931377	0.013586972	5.76731E-06	36.58778381	3.81146E-05	0.000232882	0.000375479	0.002471121
2057 Jun	371.5272827	0.547290087	0.817025006	0.014575839	82.48265839	0.063994542	122.1093674	0.000872002	0.000872002	5.81735E-06	0.007361226	0.002611451	0.155117467	0.013751019	5.71399E-06	35.99492645	3.75066E-05	0.000232981	0.000371954	0.002418545
2057 Jul	372.8308105	0.546183646	0.815378904	0.014553164	82.4900589	0.064017355	122.6912308	0.0008744	0.0008744	5.83325E-06	0.007394377	0.002620321	0.155735478	0.013768604	5.73103E-06	36.13108826	3.76925E-05	0.000233707	0.0003728	0.002427086
2057 Aug	377.7249451	0.550913215	0.822496653	0.014677165	83.18051147	0.064528368	124.5129929	0.000879729	0.000879729	5.88256E-06	0.007468328	0.002655268	0.15806891	0.013872125	5.77795E-06	36.58774567	3.81627E-05	0.000236019	0.000377152	0.002457269
2057 Sep	383.4771118	0.554047704	0.827204525	0.014753993	83.58867645	0.064768508	126.8604965	0.000879216	0.000879216	5.91044E-06	0.007531823	0.002696551	0.161119908	0.01391035	5.80173E-06	37.10200882	3.86938E-05	0.000237959	0.000381687	0.002490709
2057 Oct	389.2853699	0.556565762	0.830955327	0.014812463	83.88687897	0.064898632	129.2820892	0.000876652	0.000876652	5.92961E-06	0.007589707	0.002738261	0.164293498	0.01392418	5.81627E-06	37.61177826	3.92269E-05	0.000239655	0.000386107	0.002523886
2057 Nov	390.5266113	0.557244599	0.831980288	0.014829052	83.97360992	0.064942472	129.786499	0.000876409	0.000876409	5.93506E-06	0.007602798	0.002747105	0.164956763	0.013930557	5.82078E-06	37.72059631	3.9341E-05	0.000240047	0.000387077	0.002531019
2057 Dec	390.8613281	0.557429194	0.832264304	0.014833631	83.99729156	0.064953141	129.9222412	0.00087632	0.00087632	5.93643E-06	0.007606104	0.002749468	0.165136009	0.013931849	5.82188E-06	37.74950409	3.93714E-05	0.000240148	0.000387336	0.00253292
2058 Jan	390.9844055	0.557488084	0.832354844	0.014835062	84.00466156	0.064955875	129.9727173	0.000876272	0.000876272	5.93686E-06	0.007607261	0.002750346	0.165202722	0.013932351	5.82221E-06	37.76025391	3.93826E-05	0.000240186	0.000387434	0.002533619
2058 Feb	391.0097351	0.55749929	0.832371473	0.014835327	84.00616455	0.064956442	129.9829407	0.000876267	0.000876267	5.93697E-06	0.007607519	0.002750536	0.165216193	0.013932791	5.8223E-06	37.7626915	3.93849E-05	0.000240196	0.00038746	0.002533769
2058 Mar	391.0312195	0.55752027	0.832402587	0.01483587	84.00927734	0.064958602	129.9907532	0.000876292	0.000876292	5.9372E-06	0.007607849	0.002750693	0.165226281	0.013933435	5.82251E-06	37.76479721	3.9387E-05	0.000240208	0.000387482	0.002533904
2058 Apr	391.1339111	0.557666361	0.832620561	0.014839754	84.03131866	0.064975634	130.0248413	0.000876523	0.000876523	5.93876E-06	0.00760985	0.002751418	0.165269598	0.013937202	5.82405E-06	37.7747879	3.93973E-05	0.000240272	0.000387586	0.00253457
2058 May	399.4201355	0.559180737	0.834699154	0.014867648	84.23997498	0.064935461	133.4592285	0.000873866	0.000873866	5.97107E-06	0.007699538	0.002817065	0.16979149	0.014132014	5.84924E-06	38.62831497	4.02101E-05	0.000244454	0.000397014	0.002584531
2058 Jun	404.504425	0.542457879	0.808241427	0.014413357	82.58143616	0.063250288	136.186676	0.000861253	0.000861253	5.93164E-06	0.007745508	0.002869341	0.172856987	0.014609093	5.80993E-06	39.54949951	4.08912E-05	0.000250716	0.000410327	0.002619139
2058 Jul	405.7614746	0.541606188	0.806966245	0.014398985	82.69486237	0.06332463	136.7234497	0.000863791	0.000863791	5.94596E-06	0.007770925	0.002875101	0.17333746	0.014619901	5.82658E-06	39.67118835	4.1041E-05	0.000251166	0.000410952	0.002627021
2058 Aug	410.2033386	0.544279397	0.8110044	0.014468076	83.07545471	0.063622862	138.5033264	0.000866111	0.000866111	5.98001E-06	0.007829774	0.002907986	0.175620496	0.014683699	5.8579E-06	40.0880394	4.14609E-05	0.000252966	0.000414711	0.002654287
2058 Sep	413.8729553	0.544639051	0.811212122	0.01446833	83.06921387	0.063662991	140.1327667	0.000864346	0.000864346	5.99229E-06	0.007874611	0.002936524	0.177730545	0.014695226	5.86707E-06	40.43712234	4.18127E-05	0.000254161	0.000417451	0.002676529
2058 Oct	417.5847168	0.545324147	0.811958075	0.014477441	83.10603333	0.063690811	141.7462921	0.000862342	0.000862342	6.00374E-06	0.007917737	0.00296473	0.17985408	0.014702703	5.87517E-06	40.77788544	4.2168E-05	0.000255273	0.000420234	0.002698625
2058 Nov	418.4278564	0.545682967	0.812470257	0.01448567	83.14904022	0.063716926	142.0955048	0.000862222	0.000862222	6.00775E-06	0.007927653	0.002970932	0.180313215	0.014708018	5.87851E-06	40.85422134	4.22479E-05	0.000255554	0.000420901	0.002703621
2058 Dec	418.6160278	0.545767546	0.812599123	0.014487726	83.15950012	0.063721508	142.1730499	0.000862167	0.000862167	6.00852E-06	0.007929555	0.002972282	0.180415824	0.014708661	5.87912E-06	40.87068558	4.22652E-05	0.000255611	0.000421048	0.002704706
2059 Jan	418.6737671	0.545789778	0.812632501	0.014488243	83.16217041	0.063722402	142.1969604	0.000862145	0.000862145	6.00873E-06	0.007930119	0.002972704	0.180447489	0.014709039	5.87927E-06	40.87588882	4.22705E-05	0.00025563	0.000421096	0.00270504
2059 Feb	418.6749573	0.545790672	0.812632918	0.014488254	83.16241455	0.063722521	142.1971588	0.000862151	0.000862151	6.00876E-06	0.007930158	0.002972723	0.180447713	0.014709482	5.87931E-06	40.87627029	4.22707E-05	0.000255634	0.000421104	0.002705053
2059 Mar	418.675415	0.54579109	0.812633038	0.014488256	83.16252899	0.063722588	142.1972046	0.000862154	0.000862154	6.00878E-06	0.007930178	0.002972733	0.180447727	0.014709722	5.87932E-06	40.87646103	4.22707E-05	0.000255636	0.000421108	0.00270506
2059 Apr	418.8062439	0.545961559	0.812886536	0.014492775	83.1885376	0.063742496	142.2415619	0.000862425	0.000862425	6.01066E-06	0.007932662	0.002973665	0.180504009	0.014714448	5.88117E-06	40.88931656	4.22839E-05	0.000255717	0.000421242	0.002705907
2059 May	419.8901062	0.545643985	0.81219846	0.014480514	83.15952301	0.063704193	142.6694031	0.000863294	0.000863294	6.02064E-06	0.007953805	0.002985357	0.18106617	0.014825099	5.89011E-06	41.06161118	4.24197E-05	0.000257145	0.000423807	0.002713997
2059 Jun	417.6075745	0.537450314	0.798996925	0.014255474	82.17403412	0.062971316	141.9277191	0.000862847	0.000862847	6.00628E-06	0.0079569	0.002983958	0.179984346	0.015152067	5.87733E-06	41.15756989	4.23717E-05	0.000260115	0.000428051	0.002706512
2059 Jul	421.315979	0.540581405	0.803686023	0.014339242	82.66118622	0.063352957	143.3158875	0.000868174	0.000868174	6.04962E-06	0.008022555	0.003011168	0.181742907	0.015247186	5.91912E-06	41.5188942	4.27612E-05	0.000262134	0.000431527	0.002730154
2059 Aug	425.2790833	0.543817878	0.808529496	0.014424063	83.14152527	0.063720547	144.8265533	0.000872248	0.000872248	6.08873E-06	0.008082641	0.003040049	0.183672264	0.015332797	5.95619E-06	41.8976326	4.31478E-05	0.000264037	0.000435147	0.002754953
2059 Sep	428.2906799	0.54461807	0.809520185	0.014439874	83.22908783	0.06382256	146.1192474	0.000872258	0.000872258	6.10522E-06	0.008122884	0.003063091	0.185330942	0.015358946	5.97044E-06	42.18739319	4.34419E-05	0.000265165	0.00043756	0.002773596
2059 Oct	429.2528687	0.5409953	0.803060412	0.014325078	82.59136963	0.063527755	146.844574	0.000867383	0.000867383	6.09096E-06	0.008145038	0.003075395	0.186300233	0.015317598	5.95378E-06	42.31381607	4.35691E-05	0.000265173	0.000437755	0.002781145
2059 Nov	430.5888062	0.541035712	0.802980065	0.014322476	82.57233429	0.063522719	147.4361877	0.000866621	0.000866621	6.09515E-06	0.008161529	0.003085836	0.187087029	0.015319538	5.95662E-06	42.43852234	4.36996E-05	0.000265571	0.000438752	0.002789282

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2059 Dec	430.8840027	0.541140914	0.803142548	0.014325022	82.58493805	0.063527189	147.5597076	0.000866512	0.000866512	6.09626E-06	0.008164398	0.003087963	0.187250465	0.015320125	5.95748E-06	42.46439743	4.37268E-05	0.000265655	0.000438981	0.002790991
2060 Jan	430.8914795	0.541145861	0.80314815	0.014325124	82.58569336	0.063527897	147.5623779	0.000866525	0.000866525	6.09636E-06	0.008164564	0.00308803	0.187253967	0.015320653	5.95757E-06	42.46536636	4.37277E-05	0.000265662	0.000438993	0.002791045
2060 Feb	430.896637	0.541152	0.803156316	0.014325271	82.58673859	0.06352865	147.5639038	0.00086654	0.00086654	6.09645E-06	0.008164682	0.003088078	0.187255844	0.015321273	5.95766E-06	42.46615219	4.37282E-05	0.000265669	0.000439005	0.002791085
2060 Mar	430.9190979	0.541180015	0.803197384	0.014326005	82.59107971	0.063531958	147.5714722	0.000866588	0.000866588	6.09678E-06	0.008165118	0.003088246	0.187265426	0.01532231	5.95799E-06	42.46852112	4.37305E-05	0.000265685	0.000439032	0.002791234
2060 Apr	431.1117249	0.541419208	0.803552032	0.01433233	82.62757111	0.063559972	147.6375885	0.00086697	0.00086697	6.09948E-06	0.008168749	0.00308963	0.187349364	0.015329195	5.96062E-06	42.48755646	4.37501E-05	0.000265804	0.000439229	0.002792482
2060 May	431.9256287	0.538381696	0.798446238	0.014242969	82.23958588	0.063235812	148.0247803	0.00086688	0.00086688	6.10441E-06	0.008192203	0.003105701	0.187865749	0.015571317	5.96391E-06	42.75043488	4.39085E-05	0.000268525	0.000444092	0.00280124
2060 Jun	424.0935669	0.52367419	0.775251508	0.013856452	80.70632172	0.062044032	145.1332245	0.000864774	0.000864774	6.04609E-06	0.008120347	0.003059355	0.183656663	0.015871823	5.91549E-06	42.38344955	4.33289E-05	0.000269477	0.00044414	0.002760504
2060 Jul	426.8266602	0.525764585	0.778351545	0.013915358	81.1187439	0.062372122	146.1424713	0.000870169	0.000870169	6.08322E-06	0.008174261	0.0030782	0.184852451	0.015953377	5.95272E-06	42.65689468	4.36257E-05	0.000271059	0.00044667	0.002778302
2060 Aug	429.7931213	0.52634716	0.779134095	0.013929159	81.2003479	0.062529422	147.4254456	0.000871598	0.000871598	6.10612E-06	0.008216321	0.003101887	0.186471045	0.015994418	5.97369E-06	42.9573555	4.3908E-05	0.000272349	0.000449119	0.002797419
2060 Sep	431.249176	0.522221029	0.772406399	0.013810297	80.52666473	0.062262159	148.3964081	0.000867289	0.000867289	6.09782E-06	0.008232777	0.003118577	0.187766433	0.015944844	5.96251E-06	43.13222504	4.40328E-05	0.000272584	0.000449489	0.002807589
2060 Oct	435.1652222	0.521832645	0.771432698	0.013790175	80.40639496	0.062204868	150.1747437	0.000864528	0.000864528	6.10774E-06	0.008278462	0.00314894	0.190107718	0.015936933	5.96852E-06	43.496521	4.44159E-05	0.000273609	0.000452305	0.002831512
2060 Nov	436.2055359	0.521476984	0.770750225	0.01377801	80.35485077	0.062175285	150.657959	0.000863636	0.000863636	6.10936E-06	0.008290389	0.003156679	0.190731347	0.015930267	5.96929E-06	43.59249496	4.45161E-05	0.000273817	0.000452966	0.002837851
2060 Dec	436.8134766	0.521665037	0.771043837	0.013782597	80.37722778	0.062182583	150.914032	0.000863422	0.000863422	6.11173E-06	0.008296308	0.003161075	0.191069916	0.015931401	5.97113E-06	43.64608765	4.45727E-05	0.00027399	0.000453443	0.002841401
2061 Jan	436.9544373	0.521701276	0.771099925	0.013783449	80.38134766	0.062183455	150.9737244	0.000863365	0.000863365	6.11225E-06	0.008297664	0.003162107	0.191148937	0.015931863	5.97152E-06	43.65872955	4.45859E-05	0.000274032	0.000453558	0.002842229
2061 Feb	436.973114	0.521704972	0.771104693	0.013783517	80.3818512	0.062183477	150.9814453	0.000863362	0.000863362	6.11234E-06	0.008297859	0.003162256	0.191159099	0.015932364	5.97158E-06	43.66069794	4.45877E-05	0.000274042	0.00045358	0.002842345
2061 Mar	436.9895935	0.521719992	0.771126449	0.013783904	80.38419342	0.062185179	150.9873657	0.000863386	0.000863386	6.11253E-06	0.00829814	0.003162382	0.191166684	0.01593307	5.97177E-06	43.66246414	4.45893E-05	0.000274053	0.000453601	0.002842453
2061 Apr	437.1747131	0.521940887	0.771452606	0.013789734	80.4182663	0.062211517	151.051239	0.000863753	0.000863753	6.11513E-06	0.008301662	0.003163726	0.191247508	0.015939973	5.97431E-06	43.68106079	4.46082E-05	0.00027417	0.000453795	0.00284366
2061 May	439.0148315	0.518139839	0.76522392	0.013684622	80.07891083	0.06184746	151.8822174	0.000863209	0.000863209	6.12051E-06	0.008327949	0.003183422	0.192225143	0.016170124	5.97908E-06	44.02655029	4.4844E-05	0.000276855	0.000459198	0.002857885
2061 Jun	432.1880188	0.499591768	0.736500621	0.013212528	78.45848846	0.060376097	149.6015015	0.000856646	0.000856646	6.0374E-06	0.008228525	0.003130442	0.188371837	0.016327534	5.91107E-06	43.67648697	4.42881E-05	0.000276141	0.000457933	0.002819316
2061 Jul	435.3123169	0.501082718	0.73872745	0.013256201	78.79020691	0.06065245	150.8275757	0.000861308	0.000861308	6.07348E-06	0.008284318	0.003152395	0.189837754	0.016397698	5.94688E-06	43.98556519	4.46217E-05	0.000277695	0.000460651	0.002839526
2061 Aug	439.6923828	0.503937364	0.742982626	0.013331031	79.22212982	0.060991243	152.5432434	0.000865187	0.000865187	6.11419E-06	0.008349122	0.003184779	0.192026675	0.016487228	5.98513E-06	44.40961456	4.50528E-05	0.000279743	0.000464691	0.002867171
2061 Sep	444.1746521	0.50485611	0.744291067	0.013351319	79.32154083	0.061073989	154.4799957	0.000864416	0.000864416	6.13554E-06	0.008400016	0.003218338	0.194535404	0.016507374	6.00277E-06	44.82688141	4.54824E-05	0.000281204	0.000468254	0.002894429
2061 Oct	447.3414612	0.502130747	0.739500105	0.013263628	78.79524231	0.060804535	156.1357422	0.000858769	0.000858769	6.1303E-06	0.008436757	0.003245582	0.1967365	0.016450688	5.99295E-06	45.13128662	4.58082E-05	0.000281628	0.00047006	0.002914579
2061 Nov	448.6759338	0.501413524	0.73817414	0.013239152	78.64650726	0.060732897	156.7900848	0.000857153	0.000857153	6.13135E-06	0.008453536	0.003256792	0.197615191	0.016437989	5.99221E-06	45.25880051	4.59442E-05	0.000281904	0.000470921	0.002923048
2061 Dec	449.0905762	0.501516461	0.738334835	0.013241621	78.65801239	0.060736049	156.9663544	0.000857005	0.000857005	6.13298E-06	0.008457625	0.003259817	0.197848558	0.016438637	5.99347E-06	45.29562759	4.59831E-05	0.000282021	0.000471248	0.002925494
2062 Jan	449.3114929	0.501564324	0.738409996	0.013242751	78.66321564	0.060736861	157.0605927	0.000856918	0.000856918	6.13382E-06	0.008459758	0.003261437	0.197973296	0.016439153	5.9941E-06	45.31542969	4.60039E-05	0.000282085	0.000471427	0.0029268
2062 Feb	449.3570557	0.501576483	0.738428056	0.013243038	78.66485596	0.060737483	157.0795288	0.000856914	0.000856914	6.13406E-06	0.008460253	0.003261782	0.197998226	0.016439822	5.9943E-06	45.31984329	4.60083E-05	0.000282104	0.000471471	0.002927079
2062 Mar	449.4195251	0.501639068	0.738519847	0.013244678	78.67466736	0.060744919	157.1018219	0.000857019	0.000857019	6.13485E-06	0.00846137	0.003262243	0.198026478	0.016442105	5.99506E-06	45.32622528	4.60146E-05	0.000282143	0.000471539	0.002927485
2062 Apr	449.6211243	0.501864016	0.738850594	0.013250612	78.70998383	0.060772166	157.1722107	0.000857405	0.000857405	6.1376E-06	0.008465173	0.00326371	0.19811517	0.016449632	5.99776E-06	45.3466568	4.60353E-05	0.000282271	0.000471753	0.0029288
2062 May	450.2313843	0.502500832	0.739789367	0.013267405	78.80942535	0.060848273	157.3892822	0.000858459	0.000858459	6.14547E-06	0.008476222	0.003268144	0.198390052	0.016470321	6.0054E-06	45.40768051	4.60974E-05	0.000282638	0.000472382	0.002932748
2062 Jun	439.7737427	0.488332868	0.718761921	0.012920292	77.06574249	0.059754465	153.6115875	0.000857934	0.000857934	6.08807E-06	0.008406894	0.003195073	0.193321243	0.016240591	5.95739E-06	44.46266174	4.53876E-05	0.000278921	0.000461599	0.002870889
2062 Jul	434.8173218	0.479857296	0.706200063	0.012718241	76.20431519	0.059222843	151.8922882	0.000858929	0.000858929	6.06265E-06	0.008375559	0.003156685	0.190781072	0.016108287	5.93947E-06	44.01284409	4.50543E-05	0.000276775	0.000455818	0.00284175
2062 Aug	437.5322266	0.478729069	0.704430103	0.012687412	76.01779175	0.059241317	153.1898041	0.000858876	0.000858876	6.07914E-06	0.008410155	0.003180529	0.192451	0.016121758	5.95325E-06	44.29498291	4.53052E-05	0.000277689	0.000457854	0.00286001
2062 Sep	439.8703918	0.47677049	0.701031148	0.012628138	75.71711731	0.059128314	154.3843536	0.000856421	0.000856421	6.08167E-06	0.008438333	0.003199525	0.193962634	0.016097656	5.95356E-06	44.52983475	4.5531E-05	0.000278146	0.000459221	0.002875199
2062 Oct	437.7658386	0.466662735	0.684225559	0.012353254	74.73216248	0.058518559	154.0630035	0.000848875	0.000848875	6.02657E-06	0.008401104	0.003173879	0.193007782	0.015890816	5.90611E-06	44.32237244	4.52795E-05	0.000274894	0.000454237	0.00286255
2062 Nov	438.3682251	0.466404766	0.683693051	0.012344657	74.70656586	0.058514312	154.3373413	0.000848775	0.000848775	6.02926E-06	0.00841032	0.00317828	0.193355396	0.015891246	5.90845E-06	44.38083267	4.53392E-05	0.000275041	0.000454618	0.002866464
2062 Dec	438.8717957	0.466509581	0.683858573	0.012347163	74.71773529	0.058516476	154.5526428	0.000848594	0.000848594	6.03127E-06	0.008415259	0.003181972	0.193640471	0.015892072	5.90998E-06	44.42583847	4.53867E-05	0.000275184	0.000455502	0.002869454
2063 Jan	439.0453491	0.466540992	0.683907986	0.012347892	74.72093964	0.058516711	154.6269836	0.000848529	0.000848529	6.03195E-06	0.008416954	0.003183255	0.193738937	0.01589258	5.91049E-06	44.44154358	4.54031E-05	0.000275235	0.000455163	0.00287049
2063 Feb	439.0770874	0.466549337	0.683919966	0.012348087	74.72211456	0.058517214	154.6401062	0.00084853	0.00084853	6.03213E-06	0.008417315	0.003183499	0.193756163	0.015893182	5.91065E-06	44.44470978	4.54062E-05	0.000275249	0.000455196	0.002870687
2063 Mar	439.0891113	0.466561943	0.683937967	0.012348413	74.72418976	0.058518805	154.6442108	0.000848556	0.000848556	6.0323E-06	0.008417555	0.003183592	0.193761289	0.01589385	5.91082E-06	44.44607544	4.54074E-05	0.000275259	0.000455212	0.002870769
2063 Apr	439.196228	0.466675669	0.684104383	0.012351418	74.74243927	0.05853308	154.6818542	0.000848764	0.000848764	6.03378E-06	0.008419615	0.003184372	0.193808436	0.015897863	5.91227E-06	44.45700455	4.54185E-05	0.000275327	0.000455325	0.002871471
2063 May	437.9207153	0.464931875	0.681182802	0.012303632	74.5850296	0.058406208	154.1272278	0.000850189	0.000850189	6.03227E-06	0.008415121	0.003178632	0.193027273	0.016022639	5.91235E-06	44.43744278	4.5333E-05	0.000276193	0.000456395	0.002865894
2063 Jun	417.4408875	0.438102514	0.639800549	0.011625727	72.02005005	0.056305945	146.2247009	0.000846266	0.000846266	5.88384E-06	0.008182513	0.003028999	0.181647196	0.016224526	5.79206E-06	42.96164322	4.35797E-05	0.000272462	0.000446037	0.002747346
2063 Jul	416.1036072	0.434139729	0.634008467	0.011536323	71.7554245	0.05611854	145.8563385	0.000846743	0.000846743	5.87354E-06	0.008170374	0.003013392	0.180825695	0.016139412	5.78704E-06	42.82404327	4.34935E-05	0.00027131	0.000443552	0.002738777
2063 Aug	420.4494324	0.436302274	0.637194693	0.011593095	72.09323883	0.056407448	147.5995789	0.000850341	0.000850341	5.91317E-06	0.008234929	0.003046064	0.183049574	0.016224109	5.82405E-06	43.25099182	4.39249E-05	0.000273318	0.000447547	0.002766547
2063 Sep	425.0977173	0.436334491	0.637124002	0.011589592	72.04665375	0.056432541	149.6656799	0.000849246	0.000849246	5.93536E-06	0.008287992	0.003082392	0.185766503	0.016238458	5.84159E-06	43.69305801	4.43679E-05	0.000274825	0.000451203	0.002795459
2063 Oct	428.587677	0.435498238	0.635571837	0.01155925	71.83771515	0.056325935	151.3036346	0.000846203	0.000846203	5.94282E-06	0.00832599	0.003110212	0.187942162	0.016219022	5.84478E-06	44.01913834	4.47128E-05	0.000275629	0.000453732	0.002817218
2063 Nov	429.7763977	0.435555339	0.635611415	0.011559155	71.82926941	0.056322392	151.8281403	0.00084573	0.00084573	5.9476E-06	0.008339336	0.003119317	0.18863748	0.016220566	5.84832E-06	44.12910461	4.48288E-05	0.000275972	0.000454668	0.002824531
2063 Dec	430.1749573	0.435637265	0.635738671	0.011561126	71.83831024	0.056325346	151.9981842	0.00084563	0.00084563	5.94939E-06	0.008343467	0.003122257	0.188862413	0.016221805	5.84974E-06	44.16514587	4.48668E-05	0.000276091	0.000454992	0.002826927
2064 Jan	430.4356995	0.435673654	0.635797322	0.01156196	71.84146118	0.05632478	152.110733	0.000845526	0.000845526	5.95041E-06	0.00834599	0.003124188	0.189011618	0.016222278	5.85049E-06	44.18871307	4.48915E-05	0.000276165	0.000455205	0.002828489
2064 Feb	430.5055237	0.43568787	0.63581872	0.011562298	71.84327698	0.056325421	152.1401978	0.000845518	0.000845518	5.95076E-06	0.008346743	0.003124713	0.189050436	0.016223004	5.85078E-06	44.19535065	4.48982E-05	0.000276191	0.00045527	0.002828917
2064 Mar	430.5780029	0.435751379	0.635911167	0.011563971	71.85369873	0.056333438	152.1665649	0.000845637	0.000845637	5.95167E-06	0.008348051	0.003125247	0.189083546	0.016225569	5.85166E-06	44.20280075	4.49057E-05	0.000276235	0.000455347	0.002829391
2064 Apr	430.6929321	0.435866475	0.636078894	0.01156702	71.87268829	0.056348298	152.2072144	0.000845861	0.000845861	5.95325E-06	0.008350273	0.003126085	0.189134091	0.016229983	5.85321E-06	44.21466827	4.49177E-05	0.00027631	0.00045547	0.002830147
2064 May	432.8162537	0.433435082	0.632090211	0.011497688	71.59064484	0.056078132	153.1660309	0.000845083	0.000845083	5.96162E-06	0.008377574	0.003147883	0.190365478	0.016403837	5.85923E-06	44.54373932	4.51699E-05	0.000278576	0.000460261	0.002845736
2064 Jun	427.3288269	0.417427272	0.607185364	0.011082047	69.98440552	0.05466697	151.3806152	0.000839028	0.000839028	5.89416E-06	0.008298451	0.003113549	0.187396109	0.016691107	5.8014E-06	44.39150238	4.47655E-05	0.000279615	0.000462444	0.002817414
2064 Jul	429.9363403	0.417583674	0.607452333	0.011089787	70.0539219	0.054796576	152.5022736	0.00084193	0.00084193	5.92167E-06	0.00834469	0.003134129	0.188781068	0.016733071	5.82762E-06	44.65642166	4.50557E-05	0.000280788	0.000464652	0.002834962
2064 Aug	433.1629333	0.417347252	0.607116759	0.011083872	70.0007782	0.054865178	153.9607849	0.000842498	0.000842498	5.94344E-06	0.008385439	0.003160666	0.190656483	0.016756257	5.84639E-06	44.97609329	4.53655E-05	0.000281841	0.000467258	0.00285625
2064 Sep	438.6075745	0.415410548	0.6038692	0.011023249	69.5958786	0.054706667	156.5518494	0.00083837	0.00083837	5.95877E-06	0.008443381	0.003205145	0.194112763	0.016721509	5.85476E-06	45.49285889	4.58834E-05	0.000283159	0.000471041	0.002890568
2064 Oct	444.2355042	0.415630937	0.604065776	0.011023798	69.57835388	0.054685459	159.026947	0.000836239	0.000836239	5.98141E-06	0.008503747	0.003247257	0.197378412	0.016723039	5.87177E-06	46.00706482	4.64267E-05	0.000284686	0.000475406	0.002924969
2064 Nov	445.9482422	0.415974647	0.604605138	0.011032294	69.61872101	0.054700062	159.7570801	0.000835908	0.000835908	5.98956E-06	0.008521722	0.003259876	0.198341757	0.016729522	5.87832E-06	46.16276169	4.65909E-05	0.000285208	0.000476814	0.002935319
2064 Dec	446.1965942	0.416014969	0.60466814	0.011033246	69.62277222	0.054700986	159.8637695	0.000835841	0.000835841	5.99067E-06	0.008524287	0.003261715	0.19848299	0.016730152	5.87918E-06	46.18527603	4.66146E-05	0.000285281	0.000477016	0.002936819
2065 Jan	446.3729858	0.416034728	0.604700565	0.011033691	69.62418365	0.054700218	159.9402466	0.00083577	0.00083577	5.99136E-06	0.008525994	0.003263024	0.198584437	0.016730387	5.87969E-06	46.2012291	4.66314E-05	0.00028533	0.00047716	0.00293788
2065 Feb	446.433136	0.416046619	0.604718566	0.01103398	69.62573242	0.05470087	159.9656677	0.000835766	0.000835766	5.99168E-06	0.008526658	0.003263475	0.198617876	0.01673097	5.87995E-06	46.20692444	4.66373E-05	0.000285352	0.000477215	0.0029325
2065 Mar	446.5072937	0.416113287	0.604815185	0.011035741	69.63690186	0.054709591	159.9923859	0.0008359	0.0008359	5.99265E-06	0.008528054	0.003264021	0.19865112	0.016733797	5.88091E-06	46.21466064	4.6645E-05	0.0002854	0.000477296	0.002938739
2065 Apr	446.7159424	0.416307747	0.605097651	0.011040895	69.66946411	0.054735161	160.0670776	0.000836292	0.000836292	5.99546E-06	0.008532044	0.003265549	0.19874388	0.016741702	5.88366E-06	46.23631287	4.66668E-05	0.000285534	0.00047752	0.002940113
2065 May	450.1330872	0.414938241	0.602780521	0.01099943	69.49221039	0.054556172	161.552887	0.000835879	0.000835879	6.01353E-06	0.008575597	0.003296533	0.200705126	0.016898261	5.89782E-06	46.66162491	4.70414E-05	0.000288016	0.000482918	0.002963366
2065 Jun	440.7698975	0.40214479	0.583027005	0.01067479	68.23667908	0.053528406	157.9820251	0.000833946	0.000833946	5.94402E-06	0.008469653	0.003228951	0.1954647	0.017032644	5.84169E-06	46.02746964	4.62589E-05	0.000286726	0.00047895	0.002909528
2065 Jul	443.9422302	0.402950376	0.58423233	0.010702849	68.52219391	0.053762682	159.2688904	0.000838591	0.000838591	5.97912E-06	0.008525385	0.003249709	0.196933433	0.017089166	5.87729E-06	46.34017181	4.66045E-05	0.000288156	0.000481497	0.002929876
2065 Aug	448.9493408	0.404560894	0.58657521	0.010744662	68.77277374	0.054003954	161.3493958	0.000841467	0.000841467	6.01966E-06	0.008595473	0.003287778	0.199592546	0.017167909	5.91432E-06	46.83346176	4.71006E-05	0.000290315	0.000486004	0.002961901
2065 Sep	452.53302	0.401910394	0.582051814	0.010662064	68.23532104	0.053781625	163.2034607	0.000836755	0.000836755	6.02247E-06	0.00863617	0.003318903	0.202066854	0.017111288	5.91145E-06	47.18104935	4.74591E-05	0.000290895	0.000488171	0.002985423
2065 Oct	454.5028687	0.396651179	0.572894216	0.010502482	67.35234833	0.053374302	164.5202332	0.000829979	0.000829979	6.00627E-06	0.008663883	0.003336769	0.203792244	0.016985545	5.89127E-06	47.3698616	4.76684E-05	0.000290176	0.000487985	0.002999721
2065 Nov	455.3141174	0.395897955	0.57152617	0.010479791	67.25635529	0.053334326	164.9270782	0.000829292	0.000829292	6.00745E-06	0.008674662	0.00334238	0.204298899	0.016969029	5.8919E-06	47.44401932	4.77461E-05	0.000290182	0.000488277	0.003004984
2065 Dec	455.5125732	0.395917416	0.571555912	0.010480195	67.2574234	0.053333938	165.0132294	0.000829228	0.000829228	6.00831E-06	0.008676724	0.003343864	0.204413354	0.016969344	5.89255E-06	47.46207047	4.77653E-05	0.000290239	0.000488437	0.003006192
2066 Jan	455.7990723	0.395941168	0.571595848	0.010480709	67.2585907	0.053332184	165.1378784	0.000829117	0.000829117	6.00945E-06	0.008679518	0.003345997	0.204578757	0.016969752	5.8934E-06	47.4881134	4.77927E-05	0.000290319	0.000488672	0.003007925
2066 Feb	455.8529053	0.395961374	0.571624756	0.010481219	67.26183319	0.053334381	165.1595459	0.000829146	0.000829146	6.00988E-06	0.008680256	0.003346407	0.204606801	0.016971011	5.89378E-06	47.49356461	4.7798E-05	0.000290345	0.000488728	0.003008269
2066 Mar	455.9638977	0.396057814	0.571763515	0.010483762	67.27826691	0.053347383	165.1996002	0.000829351	0.000829351	6.01135E-06	0.008682381	0.003347229	0.204656407	0.016975408	5.89523E-06	47.50529861	4.78097E-05	0.000290418	0.000488852	0.003009005
2066 Apr	456.1096191	0.396184385	0.571945846	0.010487107	67.29979706	0.053364437	165.2523193	0.000829618	0.000829618	6.01328E-06	0.008685163	0.003348302	0.204721674	0.016980983	5.89712E-06	47.52056885	4.7825E-05	0.000290513	0.00048901	0.003009969
2066 May	456.4530945	0.396460831	0.572292209	0.010493876	67.35413361	0.053410225	165.3618774	0.000830784	0.000830784	6.02025E-06	0.008694946	0.003351603	0.204853907	0.017019648	5.90404E-06	47.57310867	4.78691E-05	0.000290995	0.000489754	0.003012682
2066 Jun	441.5329285	0.381410211	0.549741566	0.010127056	65.79667664	0.052254871	159.5683594	0.000830329	0.000830329	5.92752E-06	0.008544159	0.003238633	0.196705997	0.01691852	5.83015E-06	46.30445862	4.66313E-05	0.000286482	0.000477661	0.002922656
2066 Jul	444.6229553	0.380856156	0.549001098	0.01012328	65.91434479	0.052394405	160.9048004	0.00083498	0.00083498	5.96255E-06	0.008602852	0.003258982	0.198212698	0.016946727	5.86582E-06	46.60657883	4.69959E-05	0.0002877	0.000479744	0.002942766
2066 Aug	449.6601868	0.382340491	0.551171064	0.010162345	66.1504364	0.052626755	163.0039368	0.000837928	0.000837928	6.0037E-06	0.008673497	0.003297401	0.200894669	0.017026087	5.90336E-06	47.1034317	4.74976E-05	0.000289834	0.000484305	0.002975173
2066 Sep	453.4873657	0.381926775	0.550312936	0.010145715	66.02864075	0.052611955	164.7544403	0.000836659	0.000836659	6.0209E-06	0.008719963	0.003327703	0.203182131	0.01703036	5.91635E-06	47.47245789	4.78783E-05	0.00029098	0.000487303	0.00299964
2066 Oct	457.838623	0.380476564	0.547708333	0.010096584	65.68796539	0.052448727	166.8230438	0.000832894	0.000832894	6.0316E-06	0.008769208	0.003363116	0.20596838	0.016998678	5.92088E-06	47.88019943	4.83139E-05	0.000291905	0.000490423	0.003027421

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2066 Nov	458.9732361	0.380088985	0.547003031	0.010083354	65.59685516	0.052407295	167.3631287	0.000831944	0.000831944	6.03456E-06	0.008782487	0.00337241	0.206696153	0.016990962	5.92222E-06	47.98719788	4.84282E-05	0.000292153	0.000491238	0.003034709
2066 Dec	459.3258972	0.380130589	0.547067702	0.010084316	65.6006012	0.052407976	167.5153503	0.000831865	0.000831865	6.03623E-06	0.008786229	0.003375039	0.206897601	0.016992068	5.92353E-06	48.01952362	4.84623E-05	0.000292258	0.000491529	0.003036866
2067 Jan	459.4911499	0.380142272	0.547086656	0.010084553	65.60107422	0.052407082	167.5871887	0.00083181	0.00083181	6.03694E-06	0.008787897	0.003376279	0.206992894	0.016992567	5.92406E-06	48.03474808	4.84782E-05	0.000292307	0.000491668	0.003037876
2067 Feb	459.5325317	0.380157799	0.547108531	0.010084942	65.60365295	0.052408878	167.6037598	0.000831837	0.000831837	6.03728E-06	0.008788483	0.003376597	0.207014248	0.016993677	5.92438E-06	48.0390358	4.84824E-05	0.000292328	0.000491713	0.003038143
2067 Mar	459.5869141	0.38020286	0.547172785	0.010086128	65.61147308	0.052415095	167.6234436	0.000831938	0.000831938	6.03801E-06	0.008789535	0.003377003	0.207038537	0.01699594	5.92509E-06	48.04487991	4.84881E-05	0.000292365	0.000491775	0.003038506
2067 Apr	459.706665	0.380301923	0.547315061	0.010088751	65.62860107	0.052428756	167.667038	0.000832157	0.000832157	6.03959E-06	0.008791831	0.003377886	0.207092345	0.017000511	5.92664E-06	48.05748749	4.85008E-05	0.000292443	0.000491906	0.0030393
2067 May	458.8112793	0.379259259	0.54542625	0.01005676	65.49594879	0.052342206	167.2437897	0.000834101	0.000834101	6.04422E-06	0.008797073	0.003377307	0.20655866	0.017153604	5.93149E-06	48.0862999	4.8465E-05	0.00029378	0.000493714	0.003036623
2067 Jun	450.726532	0.370983124	0.532405794	0.009834686	64.42055511	0.051574551	164.046936	0.000833505	0.000833505	5.99786E-06	0.008724826	0.003331213	0.202281028	0.017390674	5.89101E-06	47.60433578	4.78353E-05	0.000294253	0.000492449	0.002992886
2067 Jul	455.6737976	0.372484803	0.53461802	0.009876758	64.69924927	0.051833019	166.0766754	0.000838069	0.000838069	6.0453E-06	0.008804081	0.0033686	0.204846203	0.017483586	5.93551E-06	48.09762573	4.83596E-05	0.000296567	0.000497006	0.003025048
2067 Aug	460.5179749	0.372564286	0.534785211	0.00987999	64.69823456	0.051937599	168.2119598	0.000839274	0.000839274	6.07925E-06	0.008865318	0.003407233	0.207606718	0.017525395	5.9649E-06	48.57099915	4.88328E-05	0.000298178	0.000501105	0.003056762
2067 Sep	464.1795349	0.372193485	0.534041882	0.009865922	64.59594727	0.051937498	169.8753357	0.000838482	0.000838482	6.09764E-06	0.008910061	0.00343621	0.209783703	0.017533429	5.97927E-06	48.92529678	4.9194E-05	0.00029932	0.000503996	0.003080233
2067 Oct	466.1573792	0.369569242	0.529432654	0.009782596	64.05575562	0.051700156	171.0043488	0.00083421	0.00083421	6.09376E-06	0.008936725	0.003455187	0.211350217	0.017472155	5.97074E-06	49.1186142	4.94078E-05	0.000299343	0.000504896	0.00309417
2067 Nov	467.5340881	0.369157463	0.528658986	0.009768241	63.95722961	0.051658995	171.6496124	0.000833311	0.000833311	6.09851E-06	0.008953823	0.00346644	0.212224498	0.017465731	5.97352E-06	49.24880219	4.95471E-05	0.000299669	0.000505903	0.003103082
2067 Dec	467.9006958	0.369193256	0.52871418	0.009769051	63.96022415	0.051659472	171.8082275	0.000833236	0.000833236	6.10028E-06	0.00895776	0.003469178	0.212434173	0.017466938	5.97492E-06	49.28256226	4.95827E-05	0.000299779	0.000506207	0.003105335
2068 Jan	468.1430359	0.369205058	0.528734446	0.009769278	63.96021652	0.051657721	171.9139862	0.000833153	0.000833153	6.10131E-06	0.008960187	0.003470992	0.212574393	0.017467476	5.97569E-06	49.30483627	4.96061E-05	0.000299848	0.00050641	0.003106817
2068 Feb	468.1879883	0.369216144	0.528749824	0.009769545	63.96200562	0.051658846	171.9324646	0.000833169	0.000833169	6.10163E-06	0.008960769	0.003471339	0.212598428	0.017468492	5.97598E-06	49.30944061	4.96106E-05	0.00029987	0.000506458	0.003107105
2068 Mar	468.2885132	0.369295478	0.528862834	0.009771634	63.975811	0.051669959	171.9692078	0.000833351	0.000833351	6.10296E-06	0.008962707	0.003472092	0.212643817	0.017472532	5.97727E-06	49.3202095	4.96213E-05	0.000299937	0.000506571	0.003107777
2068 Apr	468.692627	0.369614184	0.529318929	0.009780061	64.03106689	0.051714558	172.1175232	0.000834072	0.000834072	6.10823E-06	0.008970448	0.003475092	0.212827191	0.017487772	5.98244E-06	49.36287308	4.96641E-05	0.000300197	0.000507011	0.003110461
2068 May	467.9713135	0.368199617	0.526900291	0.009739195	63.86972046	0.051585764	171.7926788	0.000835324	0.000835324	6.11004E-06	0.008972673	0.003474843	0.212391287	0.017630327	5.9846E-06	49.40378952	4.96372E-05	0.000301422	0.000508867	0.003108512
2068 Jun	452.782135	0.351716131	0.501823962	0.009324873	62.22438812	0.050157614	165.9118805	0.000829505	0.000829505	5.98514E-06	0.008770826	0.003359433	0.203847885	0.017710524	5.88064E-06	48.247509	4.82614E-05	0.000297754	0.000500308	0.003016909
2068 Jul	456.8684692	0.350794375	0.500594199	0.009307046	62.1422348	0.050178029	167.7594452	0.000831384	0.000831384	6.01707E-06	0.008831507	0.00339069	0.206178546	0.017719071	5.90944E-06	48.63803864	4.87102E-05	0.000299042	0.000503314	0.003043493
2068 Aug	461.6901855	0.352422327	0.502925873	0.00935012	62.4180069	0.050444011	169.7327118	0.000835391	0.000835391	6.06157E-06	0.008904648	0.003427572	0.208691254	0.017817061	5.95073E-06	49.12400055	4.91985E-05	0.000301304	0.000507892	0.003074945
2068 Sep	464.5508118	0.351607025	0.501387358	0.009322328	62.23176575	0.050415844	171.0888367	0.000834333	0.000834333	6.0748E-06	0.008942807	0.003451185	0.210470513	0.017813131	5.96033E-06	49.40671158	4.94882E-05	0.000302122	0.000510013	0.003093892
2068 Oct	467.2610168	0.351243466	0.500640213	0.009308084	62.1271553	0.05038137	172.3219299	0.000833278	0.000833278	6.0867E-06	0.008976086	0.003472643	0.21211648	0.017811565	5.96883E-06	49.66304398	4.97606E-05	0.000302858	0.000512115	0.003111263
2068 Nov	467.9869995	0.351345122	0.500774622	0.009310331	62.13883209	0.050391845	172.6322784	0.000833338	0.000833338	6.09115E-06	0.00898518	0.003478145	0.212524712	0.017817419	5.97257E-06	49.73202133	4.98329E-05	0.000303112	0.00051274	0.003115839
2068 Dec	468.1159363	0.351366907	0.500805259	0.00931085	62.14167023	0.050393973	172.6869965	0.000833353	0.000833353	6.09195E-06	0.008986779	0.003479116	0.21259661	0.017818546	5.97325E-06	49.74424744	4.98457E-05	0.000303158	0.000512853	0.003116648
2069 Jan	468.3158264	0.351368576	0.500810325	0.009310833	62.14040756	0.050391711	172.7748413	0.000833277	0.000833277	6.09277E-06	0.008988746	0.003480612	0.212713242	0.017818745	5.97385E-06	49.76257324	4.9865E-05	0.000303212	0.000513018	0.003117874
2069 Feb	468.3947754	0.35137406	0.500818849	0.009310953	62.14091873	0.050391596	172.8088989	0.000833264	0.000833264	6.09317E-06	0.008989588	0.003481208	0.212758154	0.017819325	5.97416E-06	49.77006531	4.98727E-05	0.000303239	0.00051309	0.003118364
2069 Mar	468.413208	0.351378292	0.50082463	0.009311055	62.14160538	0.050392039	172.8165131	0.00083327	0.00083327	6.0933E-06	0.008989827	0.00348135	0.212768048	0.017819718	5.97428E-06	49.77194214	4.98745E-05	0.000303247	0.000513109	0.003118483
2069 Apr	468.5149231	0.351453602	0.500931859	0.009313048	62.15494537	0.050402828	172.8540649	0.000833449	0.000833449	6.09462E-06	0.008991771	0.003482109	0.212814331	0.017823644	5.97557E-06	49.78279877	4.98854E-05	0.000303314	0.000513222	0.00311916
2069 May	469.4727173	0.352038741	0.501733482	0.009328134	62.26173019	0.050490692	173.2097626	0.000835159	0.000835159	6.10724E-06	0.009010788	0.003489764	0.213255614	0.017871352	5.98784E-06	49.89355469	4.99912E-05	0.00030405	0.00051448	0.003125754
2069 Jun	458.6661377	0.342259169	0.487248361	0.009083709	60.87517548	0.049623933	169.0531921	0.00083497	0.00083497	6.05188E-06	0.008929335	0.003419556	0.207862824	0.017790651	5.93957E-06	48.97688675	4.92007E-05	0.000301531	0.000505989	0.003062383
2069 Jul	460.7782898	0.341341257	0.485982358	0.00906768	60.84688187	0.049668461	170.0222931	0.00083805	0.00083805	6.07645E-06	0.008973584	0.003434436	0.208972871	0.017796423	5.96401E-06	49.18566895	4.9476E-05	0.000302365	0.0005073	0.003076427
2069 Aug	464.8556519	0.34155634	0.486250222	0.00907326	60.87678146	0.049790461	171.8085938	0.000839614	0.000839614	6.10715E-06	0.009028471	0.003466659	0.21125856	0.017842306	5.99111E-06	49.59360886	4.98782E-05	0.000303931	0.000510834	0.003103182
2069 Sep	465.2580566	0.338953495	0.481804073	0.00899497	60.4044342	0.049614418	172.2514038	0.000836304	0.000836304	6.09703E-06	0.009033893	0.00347211	0.211828113	0.017772194	5.97902E-06	49.63937759	4.99188E-05	0.000303405	0.000510251	0.003107097
2069 Oct	462.4518433	0.334622264	0.474183291	0.008866302	59.7481575	0.049352035	171.3907623	0.000832387	0.000832387	6.06396E-06	0.009007134	0.00345071	0.210604861	0.017637365	5.94816E-06	49.3706131	4.96375E-05	0.000301138	0.00050596	0.003091349
2069 Nov	462.2286987	0.333920717	0.472834349	0.008844338	59.64870453	0.049331367	171.3414001	0.000832276	0.000832276	6.06217E-06	0.00900954	0.003449009	0.210524037	0.017622536	5.94664E-06	49.35238266	4.96174E-05	0.000300886	0.000505428	0.003090544
2069 Dec	462.4417114	0.3339279	0.47284472	0.008844436	59.6481781	0.04933041	171.4344788	0.000832223	0.000832223	6.06318E-06	0.009011828	0.003450613	0.210647583	0.017623022	5.94741E-06	49.37205124	4.96381E-05	0.000300947	0.000505604	0.003091864
2070 Jan	462.4726563	0.333925575	0.472839892	0.008844335	59.6475029	0.049329873	171.4480591	0.000832212	0.000832212	6.06332E-06	0.009012166	0.003450859	0.210665822	0.017623363	5.94751E-06	49.3751297	4.96412E-05	0.000300958	0.000505635	0.003092061
2070 Feb	462.4822998	0.333924383	0.472837299	0.008844282	59.64732742	0.049329575	171.4521027	0.000832211	0.000832211	6.06337E-06	0.009012267	0.003450945	0.210671216	0.017623825	5.94755E-06	49.37631226	4.96421E-05	0.000300965	0.00050565	0.003092127
2070 Mar	462.5180664	0.333949298	0.472871989	0.008844933	59.65183258	0.049333245	171.4652863	0.000832275	0.000832275	6.06384E-06	0.009012964	0.003451219	0.210687444	0.017625425	5.94801E-06	49.38029099	4.9646E-05	0.00030099	0.000505694	0.003092369
2070 Apr	462.7351074	0.334103107	0.473088771	0.008848987	59.67938995	0.049355961	171.5457916	0.000832662	0.000832662	6.06667E-06	0.009017175	0.003452851	0.210786372	0.017634045	5.95078E-06	49.4037323	4.96692E-05	0.000301135	0.000505938	0.003093826
2070 May	461.586731	0.333166391	0.471426904	0.0088223	59.61162567	0.049293406	171.0111694	0.000834442	0.000834442	6.06738E-06	0.009013887	0.003447623	0.210036322	0.017758232	5.95301E-06	49.38750458	4.95892E-05	0.000302019	0.000507017	0.003088725
2070 Jun	452.4903564	0.325674415	0.459749788	0.008630207	58.89421082	0.048654586	167.2824249	0.000834598	0.000834598	6.01021E-06	0.008910279	0.003383366	0.204748973	0.017956225	5.90772E-06	48.76519012	4.87812E-05	0.000301327	0.00050391	0.003035816
2070 Jul	455.9543152	0.326165617	0.460473806	0.00864583	59.00028229	0.048804533	168.7500153	0.000838051	0.000838051	6.04535E-06	0.008970513	0.003410524	0.206596732	0.018018227	5.94049E-06	49.11882401	4.91705E-05	0.000303003	0.000507095	0.003058906
2070 Aug	459.8802185	0.326660603	0.461174995	0.008659678	59.08664703	0.048958994	170.4368134	0.000840412	0.000840412	6.07846E-06	0.009026532	0.003441472	0.208743796	0.018077314	5.9704E-06	49.51483154	4.95641E-05	0.000304598	0.000510646	0.003084939
2070 Sep	460.4094849	0.324267089	0.45693925	0.008584172	58.5978241	0.048797369	170.9245148	0.00083746	0.00083746	6.07205E-06	0.009039843	0.003449529	0.209430471	0.01801973	5.96107E-06	49.57986069	4.9633E-05	0.000304288	0.000510353	0.003090294
2070 Oct	459.1875916	0.321877211	0.452659279	0.008510935	58.19284058	0.048652135	170.6078949	0.00083519	0.00083519	6.05632E-06	0.009032141	0.003441446	0.208999217	0.017947055	5.94555E-06	49.46644211	4.95185E-05	0.000303196	0.000508289	0.003084087
2070 Nov	459.8977051	0.321655959	0.452263504	0.008504314	58.16389465	0.048638705	170.9383545	0.000834817	0.000834817	6.05851E-06	0.009039553	0.003446343	0.209416866	0.017939571	5.94712E-06	49.53013611	4.95853E-05	0.000303281	0.000508712	0.003088506
2070 Dec	460.1052551	0.321653515	0.45226115	0.008504175	58.16179657	0.04863631	171.0298767	0.000834741	0.000834741	6.0594E-06	0.009041654	0.003447901	0.209538653	0.017939582	5.94776E-06	49.54911423	4.96054E-05	0.000303336	0.000508881	0.003089786
2071 Jan	460.1477661	0.321651727	0.452257842	0.008504095	58.16115189	0.048635677	171.0485535	0.000834727	0.000834727	6.05958E-06	0.009042095	0.003448229	0.209563583	0.01793983	5.9479E-06	49.55317307	4.96096E-05	0.000303349	0.00050892	0.003090053
2071 Feb	460.1471863	0.32165134	0.452256471	0.008504072	58.16116333	0.048635621	171.048111	0.00083473	0.00083473	6.05959E-06	0.0090421	0.003448235	0.209562987	0.017940195	5.94791E-06	49.55335617	4.96095E-05	0.000303353	0.000508925	0.003090054
2071 Mar	460.1545715	0.321656585	0.452263415	0.008504203	58.16215515	0.048636418	171.050705	0.000834745	0.000834745	6.0597E-06	0.009042256	0.003448295	0.209566176	0.017940702	5.94801E-06	49.55428696	4.96103E-05	0.000303359	0.000508937	0.003090107
2071 Apr	460.2476196	0.321721673	0.45235467	0.008505919	58.1739502	0.048646264	171.0852203	0.000834915	0.000834915	6.06093E-06	0.009044089	0.003448996	0.209608436	0.017944451	5.94922E-06	49.56438446	4.96204E-05	0.000303422	0.000509042	0.003090734
2071 May	458.1552124	0.320044518	0.449587733	0.00845988	58.01143646	0.04849435	170.1802979	0.000835742	0.000835742	6.05174E-06	0.009024817	0.003436834	0.208357319	0.018066529	5.94238E-06	49.46907425	4.94447E-05	0.000303995	0.000509555	0.003079703
2071 Jun	445.0365601	0.310247719	0.434703141	0.008217878	57.14138412	0.047664426	164.8257904	0.00083464	0.00083464	5.96127E-06	0.008860829	0.003336161	0.200711235	0.018172106	5.87048E-06	48.43967438	4.8231E-05	0.000301174	0.00050231	0.002999783
2071 Jul	445.6256104	0.309559822	0.433781594	0.008208127	57.17293549	0.047725152	165.1222839	0.000837228	0.000837228	5.97342E-06	0.008879864	0.003337678	0.200889006	0.018161206	5.8847E-06	48.49587631	4.83289E-05	0.000301306	0.00050191	0.003003648
2071 Aug	448.6770935	0.310438156	0.434972703	0.008231364	57.33517456	0.047923051	166.3874512	0.000840435	0.000840435	6.00452E-06	0.008930068	0.003361455	0.20246239	0.018233899	5.91401E-06	48.81681061	4.86433E-05	0.000302875	0.000504879	0.003024103
2071 Sep	449.7965088	0.308607638	0.431882322	0.008176086	56.96672058	0.047817431	167.0741577	0.000838326	0.000838326	6.00465E-06	0.008945097	0.003373173	0.203402907	0.018190958	5.91108E-06	48.93360519	4.87515E-05	0.000302888	0.000505208	0.003032519
2071 Oct	450.0209351	0.30735606	0.429626375	0.008135618	56.69907379	0.04772307	167.3087311	0.000836587	0.000836587	6.00038E-06	0.008952047	0.003377068	0.20374994	0.018156437	5.9051E-06	48.95985794	4.87856E-05	0.000302656	0.000504976	0.00303504
2071 Nov	450.0130005	0.30668807	0.428284645	0.008112188	56.54703903	0.04768911	167.3617096	0.000836284	0.000836284	6.00069E-06	0.008960156	0.003378926	0.203874782	0.018147275	5.90437E-06	48.96728897	4.87973E-05	0.000302597	0.000504782	0.003036072
2071 Dec	450.1659546	0.306648821	0.428204089	0.008110728	56.53677368	0.047685958	167.4318085	0.00083623	0.00083623	6.00147E-06	0.008962329	0.0033802	0.203971982	0.018147068	5.90489E-06	48.98189926	4.8813E-05	0.000302637	0.000504898	0.003037091
2072 Jan	450.1686401	0.306648701	0.428201288	0.008110685	56.53672791	0.047686201	167.4326477	0.000836241	0.000836241	6.00153E-06	0.008962443	0.00338024	0.203973234	0.018147636	5.90496E-06	48.98252487	4.88134E-05	0.000302643	0.000504908	0.00303712
2072 Feb	450.1697693	0.306649745	0.428201407	0.008110691	56.53704834	0.047686365	167.4326782	0.00083625	0.00083625	6.00158E-06	0.008962493	0.003380265	0.203973174	0.018148324	5.905E-06	48.98304749	4.88135E-05	0.00030265	0.000504919	0.003037136
2072 Mar	450.1774597	0.306655139	0.428208202	0.008110821	56.53810883	0.047687206	167.435318	0.000836268	0.000836268	6.0017E-06	0.008962663	0.003380332	0.203976363	0.018148981	5.90512E-06	48.98410416	4.88144E-05	0.000302658	0.000504933	0.003037193
2072 Apr	450.3363953	0.30676347	0.428359121	0.008113679	56.55812454	0.047704056	167.4943085	0.000836566	0.000836566	6.00383E-06	0.008965836	0.00338153	0.204048201	0.018155582	5.90721E-06	49.00151825	4.88316E-05	0.000302767	0.000505114	0.003038268
2072 May	451.1556091	0.307317972	0.42913264	0.008128335	56.66043472	0.047790382	167.7991638	0.000838085	0.000838085	6.01474E-06	0.008982143	0.003387693	0.204419643	0.018188829	5.91794E-06	49.09085083	4.89205E-05	0.00030332	0.000506038	0.003043799
2072 Jun	443.4603882	0.301610053	0.421086013	0.007996568	55.88771439	0.047330845	164.7968292	0.000839556	0.000839556	5.98122E-06	0.008928391	0.003332211	0.200493515	0.018017126	5.89097E-06	48.34380341	4.83591E-05	0.000300532	0.000497738	0.002996466
2072 Jul	444.0021362	0.300078779	0.418972015	0.007964159	55.71466827	0.047314376	165.1446075	0.00084159	0.00084159	5.99409E-06	0.008948985	0.00333732	0.200856328	0.0179972	5.90386E-06	48.40190887	4.84623E-05	0.000300583	0.000497636	0.003001274
2072 Aug	443.6931763	0.297714919	0.415319264	0.007903367	55.37901688	0.04729728	165.2167206	0.000841414	0.000841414	5.99297E-06	0.008943058	0.003337036	0.200888574	0.017947778	5.9027E-06	48.38998795	4.83813E-05	0.000300085	0.000496364	0.003000764
2072 Sep	442.789032	0.295570105	0.41179499	0.007844307	55.06388855	0.047238629	165.0119324	0.000840392	0.000840392	5.984E-06	0.008931544	0.00333097	0.200565517	0.017887179	5.89433E-06	48.3113327	4.82581E-05	0.000299285	0.000494562	0.002996046
2072 Oct	440.9057922	0.292955548	0.407233387	0.007770524	54.77374268	0.047112595	164.4180756	0.000837676	0.000837676	5.95738E-06	0.008902567	0.00331111	0.199554503	0.017763631	5.87156E-06	48.1023407	4.80335E-05	0.000297199	0.000491007	0.002983953
2072 Nov	441.5118103	0.292543739	0.406501859	0.007758528	54.72429276	0.047089025	164.7183228	0.000837095	0.000837095	5.95777E-06	0.008908043	0.003314707	0.19991678	0.017746404	5.87154E-06	48.15306473	4.80863E-05	0.000297124	0.000491187	0.002987687
2072 Dec	441.9032898	0.292529464	0.406485528	0.007758053	54.7189827	0.047083143	164.8915863	0.000836936	0.000836936	5.95938E-06	0.008911876	0.003317635	0.200147375	0.017746126	5.87268E-06	48.18877411	4.81242E-05	0.000297223	0.000491507	0.002990101
2073 Jan	441.9904785	0.292525768	0.406480104	0.007757918	54.71774292	0.047081821	164.9300232	0.000836904	0.000836904	5.95975E-06	0.008912751	0.003318297	0.200198576	0.017746381	5.87295E-06	48.19693756	4.81327E-05	0.000297248	0.000491583	0.002990643
2073 Feb	441.9940796	0.292528003	0.406482309	0.007757961	54.71824265	0.047082167	164.9311371	0.000836914	0.000836914	5.95982E-06	0.008912839	0.003318336	0.200199902	0.01774694	5.87301E-06	48.1975975	4.81331E-05	0.000297254	0.000491594	0.002990674
2073 Mar	442.0136414	0.292541087	0.406499982	0.007758299	54.72072983	0.047084268	164.9382935	0.000836954	0.000836954	5.96009E-06	0.008913243	0.003318489	0.20020856	0.017747965	5.87328E-06	48.19987869	4.81352E-05	0.000297269	0.000491619	0.00299081
2073 Apr	442.3678589	0.292771429	0.40681985	0.007764403	54.76381302	0.047121286	165.0707855	0.000837613	0.000837613	5.96482E-06	0.008920331	0.003321151	0.200369656	0.017762082	5.87793E-06	48.23848343	4.81737E-05	0.000297506	0.000492013	0.002993204
2073 May	445.2965698	0.29065755	0.403441906	0.007705896	54.53198242	0.046852238	166.3601837	0.000836659	0.000836659	5.97667E-06	0.008948883	0.00334689	0.202020228	0.017925281	5.88622E-06	48.62870789	4.84857E-05	0.00029971	0.000497405	0.003013426
2073 Jun	441.6219788	0.283451617	0.392487258	0.007523645	53.84023285	0.046116143	164.9946136	0.00083391	0.00083391	5.93687E-06	0.008887153	0.003320167	0.199824885	0.018107699	5.85261E-06	48.48207474	4.81814E-05	0.000300138	0.000498625	0.002992432
2073 Jul	443.3229675	0.283460289	0.392554015	0.007530227	53.96430206	0.046258342	165.7472534	0.000836643	0.000836643	5.95513E-06	0.008914886	0.003330114	0.200566962	0.018124927	5.87212E-06	48.65303421	4.83614E-05	0.00030067	0.000499721	0.003003544
2073 Aug	446.5578918	0.283844262	0.393070787	0.007541237	54.04085541	0.046407256	167.1385803	0.000839109	0.000839109	5.98467E-06	0.008963611	0.003355756	0.202315554	0.018181818	5.89914E-06	48.98673248	4.86899E-05	0.000302062	0.000502722	0.003025345
2073 Sep	448.7733459	0.282760888	0.391222	0.007507627	53.80836868	0.046346094	168.2407074	0.000837498	0.000837498	5.99227E-06	0.008989713	0.003374411	0.20377259	0.018158937	5.90315E-06	49.20284271	4.8908E-05	0.000302507	0.000504205	0.003040176

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2073 Oct	449.5751038	0.280679196	0.387493193	0.007440052	53.34957504	0.046163324	168.8138275	0.000834063	0.000834063	5.98568E-06	0.009003265	0.003383937	0.204628319	0.018092444	5.89271E-06	49.27745056	4.90005E-05	0.000302114	0.000504103	0.00304683
2073 Nov	450.2684631	0.280242652	0.386702955	0.007425755	53.25396347	0.046124607	169.1629486	0.00083328	0.00083328	5.98699E-06	0.009011909	0.003389742	0.205106527	0.018079503	5.89269E-06	49.34156418	4.90708E-05	0.000302171	0.000504501	0.003051494
2073 Dec	450.7030945	0.280238003	0.386699885	0.007425539	53.25047684	0.046120405	169.3540192	0.000833153	0.000833153	5.98898E-06	0.009016386	0.003392991	0.205359936	0.018079976	5.89416E-06	49.38158798	4.91132E-05	0.000302289	0.000504862	0.00305419
2074 Jan	451.0019226	0.280222178	0.386680931	0.00742506	53.24580002	0.046115201	169.4864655	0.000833025	0.000833025	5.99018E-06	0.00901925	0.003395226	0.205536202	0.01807983	5.895E-06	49.40894318	4.9142E-05	0.000302364	0.00050511	0.003056034
2074 Feb	451.1161804	0.280215412	0.386672318	0.007424853	53.24401474	0.046113096	169.536972	0.000832978	0.000832978	5.99065E-06	0.009020342	0.003396087	0.205603361	0.018080058	5.89532E-06	49.41959	4.91531E-05	0.000302396	0.00050521	0.003056743
2074 Mar	451.1472778	0.280233473	0.386696815	0.007425324	53.2474823	0.046116047	169.5486603	0.000833033	0.000833033	5.99106E-06	0.009020953	0.003396327	0.205617607	0.018081462	5.89571E-06	49.42311478	4.91565E-05	0.000302418	0.000505248	0.003056956
2074 Apr	451.4409485	0.280415952	0.386948317	0.007430154	53.28218079	0.046146072	169.6589508	0.000833577	0.000833577	5.99496E-06	0.00902683	0.003398541	0.205751315	0.01809337	5.89956E-06	49.45537186	4.91885E-05	0.000302616	0.000505579	0.003058948
2074 May	453.3886414	0.277462095	0.382225782	0.00734936	52.97954941	0.045788962	170.5267181	0.000832713	0.000832713	6.00045E-06	0.009042663	0.003417715	0.206787333	0.018312782	5.90284E-06	49.80051804	4.94113E-05	0.000305018	0.000511241	0.003073689
2074 Jun	446.7183838	0.268507898	0.368774861	0.007126715	52.20333481	0.044869825	167.9806061	0.000827044	0.000827044	5.92318E-06	0.008916346	0.003361861	0.202699468	0.018460222	5.83816E-06	49.38032913	4.87569E-05	0.000303867	0.000509932	0.003031933
2074 Jul	449.4526978	0.269043654	0.369551748	0.0071455	52.37991333	0.045060668	169.1236725	0.000831051	0.000831051	5.95442E-06	0.008966315	0.003381191	0.204013228	0.01851774	5.86915E-06	49.66419983	4.90625E-05	0.000305194	0.000512334	0.003050131
2074 Aug	454.4944458	0.270250797	0.371219367	0.007177515	52.6069603	0.045286283	171.2193756	0.000834797	0.000834797	5.99888E-06	0.009041653	0.00341941	0.20665741	0.018616756	5.91004E-06	50.17766571	4.95806E-05	0.000307517	0.000517206	0.003083133
2074 Sep	459.6570129	0.268578023	0.368428737	0.007125185	52.2227211	0.045128793	173.6812592	0.000830978	0.000830978	6.01529E-06	0.009096122	0.003460706	0.209958196	0.018565983	5.91828E-06	50.65592957	5.00856E-05	0.000308455	0.00052083	0.003116395
2074 Oct	464.4788818	0.267045021	0.365750998	0.007074762	51.84995651	0.044952348	175.9627838	0.000827147	0.000827147	6.02988E-06	0.009149233	0.003499381	0.213069364	0.018516349	5.92474E-06	51.09650421	5.05654E-05	0.000309263	0.000524219	0.003147513
2074 Nov	470.2545166	0.266592741	0.365135401	0.007060993	51.72427368	0.044841543	178.544342	0.000824405	0.000824405	6.0523E-06	0.009204908	0.003542667	0.216512084	0.018500783	5.93969E-06	51.62078476	5.11245E-05	0.000310603	0.000528835	0.003183231
2074 Dec	471.2833252	0.26654616	0.365084112	0.007059614	51.70941925	0.044825159	179.0002899	0.000823983	0.000823983	6.05653E-06	0.009214849	0.003550328	0.217118561	0.01849943	5.94264E-06	51.7143631	5.12239E-05	0.000310855	0.000529672	0.003189576
2075 Jan	471.4734497	0.26653564	0.36507073	0.007059292	51.70637512	0.044821963	179.0844879	0.000823907	0.000823907	6.05732E-06	0.009216703	0.003551754	0.217230678	0.018499447	5.94319E-06	51.7318573	5.12424E-05	0.000310904	0.000529832	0.003190754
2075 Feb	471.5606995	0.266534984	0.365070075	0.007059252	51.70593643	0.04482121	179.1225281	0.000823889	0.000823889	6.05775E-06	0.00921762	0.003552414	0.217280954	0.0185	5.94352E-06	51.74017715	5.12509E-05	0.000310931	0.000529911	0.003191302
2075 Mar	471.6430054	0.266565114	0.365111232	0.00706004	51.71170044	0.044826064	179.1553497	0.000823977	0.000823977	6.05859E-06	0.009218973	0.003553038	0.217322096	0.018502379	5.9443E-06	51.74885559	5.12595E-05	0.000310977	0.000529999	0.003191846
2075 Apr	471.9734497	0.266716719	0.365319371	0.007064046	51.7408638	0.044851117	179.2844086	0.000824433	0.000824433	6.06234E-06	0.009224871	0.003555524	0.217481583	0.018513162	5.94792E-06	51.7841301	5.12948E-05	0.000311172	0.000530355	0.00319405
2075 May	476.9367371	0.266301155	0.36466065	0.007050758	51.65345764	0.044761982	181.4486694	0.000823607	0.000823607	6.08851E-06	0.009280373	0.003594921	0.22036916	0.018579362	5.96764E-06	52.28390503	5.17969E-05	0.000313121	0.000535538	0.003225931
2075 Jun	464.9816895	0.259211183	0.354983836	0.00689257	50.70709229	0.044149086	176.7372284	0.000823609	0.000823609	6.02258E-06	0.009171125	0.003503049	0.214111	0.01825569	5.9136E-06	51.0663414	5.0836E-05	0.000307877	0.000521711	0.003149544
2075 Jul	462.4060669	0.257142782	0.352225572	0.006853059	50.55089569	0.044097628	175.7620239	0.000826258	0.000826258	6.01701E-06	0.009157737	0.003479941	0.212584674	0.018168084	5.91349E-06	50.80099869	5.06564E-05	0.000306568	0.000517985	0.003133136
2075 Aug	465.3236694	0.257263511	0.352349102	0.006856844	50.58005524	0.044217117	177.0426483	0.000828171	0.000828171	6.04251E-06	0.009200593	0.003503225	0.214190975	0.01821224	5.93649E-06	51.10287094	5.09506E-05	0.00030777	0.000520627	0.003152868
2075 Sep	468.0967407	0.257116497	0.351996571	0.006850576	50.53519821	0.044243388	178.2902374	0.000828184	0.000828184	6.0591E-06	0.009236216	0.003524822	0.215800405	0.018226303	5.94997E-06	51.37559509	5.12293E-05	0.000308675	0.000522945	0.003170966
2075 Oct	469.2681885	0.256330758	0.350516051	0.006823542	50.3449707	0.044181351	178.8931122	0.000826839	0.000826839	6.06187E-06	0.009253115	0.003535336	0.216640174	0.01820459	5.95005E-06	51.48763657	5.13523E-05	0.000308791	0.000523628	0.003179219
2075 Nov	470.469696	0.256222397	0.350297183	0.006819341	50.31202316	0.044169128	179.4300995	0.000826521	0.000826521	6.06784E-06	0.009267381	0.00354466	0.217359647	0.018205464	5.9544E-06	51.60060883	5.14721E-05	0.000309115	0.000524605	0.003186925
2075 Dec	470.8035889	0.256209612	0.350277364	0.006818876	50.30744553	0.044165421	179.5774841	0.000826423	0.000826423	6.0694E-06	0.009270908	0.003547174	0.217555851	0.01820571	5.95554E-06	51.63146591	5.15048E-05	0.000309203	0.000524881	0.003189013
2076 Jan	470.8555603	0.256207198	0.350272447	0.006818771	50.30668259	0.044164814	179.6002197	0.000826411	0.000826411	6.06966E-06	0.009271482	0.003547578	0.217586204	0.018206147	5.95573E-06	51.63652802	5.15099E-05	0.00030922	0.00052493	0.003189345
2076 Feb	470.8731384	0.256217211	0.350284934	0.006819017	50.30874634	0.0441665 2	179.6065674	0.000826449	0.000826449	6.06991E-06	0.009271855	0.003547725	0.217593834	0.018207399	5.95598E-06	51.63881683	5.15118E-05	0.000309237	0.000524959	0.003189472
2076 Mar	470.9261475	0.256246239	0.350324035	0.006819779	50.31450272	0.04417152	179.6265717	0.000826545	0.000826545	6.07061E-06	0.009272912	0.003548132	0.217618033	0.018209759	5.95666E-06	51.64481735	5.15176E-05	0.000309275	0.000525023	0.003189835
2076 Apr	471.0852356	0.256332934	0.350442231	0.00682208	50.33155441	0.044186462	179.6871643	0.000826826	0.000826826	6.07267E-06	0.009276052	0.003549336	0.217691377	0.018216085	5.95869E-06	51.66237259	5.15351E-05	0.000309381	0.000525203	0.003190915
2076 May	469.8781128	0.255665809	0.349161059	0.006800019	50.24177933	0.044120144	179.108017	0.000828665	0.000828665	6.07517E-06	0.009275804	0.003546119	0.216975778	0.018360723	5.96157E-06	51.6517334	5.14609E-05	0.000310541	0.000526646	0.003185986
2076 Jun	455.9861145	0.24861747	0.338324487	0.006616972	49.43143463	0.043391962	173.2951813	0.00082779	0.00082779	5.98844E-06	0.009116199	0.003449835	0.209094614	0.018558633	5.8897E-06	50.59204483	5.02035E-05	0.00030879	0.000520206	0.00310281
2076 Jul	456.3969421	0.248327553	0.338011652	0.00661805	49.53411102	0.043503493	173.510025	0.000830342	0.000830342	5.99784E-06	0.009128246	0.003448455	0.209085926	0.018544288	5.90229E-06	50.6281662	5.02615E-05	0.000308701	0.000519791	0.003105158
2076 Aug	459.9597168	0.248955131	0.338822722	0.006634968	49.66158676	0.043687765	175.0128784	0.000833577	0.000833577	6.03227E-06	0.009184788	0.003476287	0.210966766	0.018619681	5.93414E-06	51.00119019	5.06285E-05	0.000310407	0.000523229	0.003129106
2076 Sep	463.1647644	0.248756319	0.338381141	0.00662697	49.60272598	0.043705169	176.453537	0.000833411	0.000833411	6.05077E-06	0.009225053	0.003501149	0.212838173	0.01863195	5.94885E-06	51.31298828	5.09496E-05	0.0003114	0.000525884	0.003149941
2076 Oct	463.9545288	0.247209042	0.335607529	0.006575896	49.23923874	0.043561116	176.9799347	0.000830331	0.000830331	6.04522E-06	0.00923548	0.003509754	0.213624507	0.018569568	5.93968E-06	51.37992096	5.10332E-05	0.000311021	0.00052584	0.003156091
2076 Nov	465.3056335	0.246852234	0.334982425	0.006564037	49.15023041	0.043518107	177.6108093	0.000829367	0.000829367	6.0497E-06	0.00925009	0.003520438	0.214483365	0.018557735	5.9419E-06	51.50321198	5.11664E-05	0.000311256	0.000526818	0.003164778
2076 Dec	465.8578186	0.246827811	0.334952831	0.006563298	49.14269257	0.043510351	177.8549805	0.000829171	0.000829171	6.05211E-06	0.009255582	0.003524551	0.214807898	0.018557467	5.94361E-06	51.55376434	5.122E-05	0.000311394	0.000527273	0.003168205
2077 Jan	465.9593811	0.246821269	0.334943533	0.006563089	49.14089203	0.043508604	177.8999329	0.000829131	0.000829131	6.05255E-06	0.009256588	0.003525318	0.214867845	0.018557601	5.94391E-06	51.56320953	5.12298E-05	0.000311421	0.00052736	0.003168839
2077 Feb	465.9646912	0.246824265	0.334946722	0.006563154	49.1415596	0.043509115	177.9017029	0.000829145	0.000829145	6.05263E-06	0.00925671	0.00352537	0.214869961	0.01855823	5.944E-06	51.56406021	5.12304E-05	0.000311429	0.000527373	0.003168881
2077 Mar	465.984375	0.246834382	0.334960014	0.006563414	49.14361191	0.043510884	177.9091034	0.000829181	0.000829181	6.05289E-06	0.009257103	0.003525524	0.214878902	0.018559214	5.94425E-06	51.56636429	5.12326E-05	0.000311443	0.000527398	0.003169017
2077 Apr	466.1757202	0.246935844	0.335097432	0.006566108	49.16383743	0.043528765	177.9820862	0.000829523	0.000829523	6.05538E-06	0.009260911	0.003526975	0.214967027	0.018566968	5.9467E-06	51.58762741	5.12536E-05	0.000311573	0.000527617	0.003170321
2077 May	465.4215698	0.246250972	0.333866239	0.006544945	49.08189392	0.043455556	177.6236572	0.000830585	0.000830585	6.05625E-06	0.009259807	0.003525357	0.214505181	0.018679313	5.94786E-06	51.59819031	5.12095E-05	0.000312481	0.000528935	0.003167489
2077 Jun	455.5760803	0.239889413	0.324314773	0.006383648	48.37182617	0.042774364	173.6035767	0.000827885	0.000827885	5.9831E-06	0.009131949	0.003454085	0.208912939	0.018786529	5.88613E-06	50.84225464	5.03094E-05	0.000310788	0.000524188	0.003107393
2077 Jul	458.5540161	0.240239099	0.324795425	0.006396053	48.4654274	0.042919498	174.8499908	0.000832124	0.000832124	6.01922E-06	0.00919257	0.003477773	0.210476533	0.018854838	5.92017E-06	51.15681839	5.06698E-05	0.000312466	0.000527065	0.003127733
2077 Aug	462.0484924	0.240949035	0.325705647	0.006414953	48.61151123	0.043116301	176.3165283	0.000835582	0.000835582	6.05398E-06	0.009249556	0.003504928	0.212294281	0.01893574	5.95262E-06	51.52707672	5.10332E-05	0.000314227	0.000530505	0.003151264
2077 Sep	462.0275574	0.238432825	0.321474046	0.006337676	48.06041336	0.042936731	176.5983276	0.000831525	0.000831525	6.04133E-06	0.009246964	0.003509139	0.212792695	0.018832283	5.93599E-06	51.51681519	5.10135E-05	0.00031334	0.000529255	0.00315277
2077 Oct	463.9862671	0.23753038	0.319766343	0.006306271	47.8331604	0.042859253	177.5578766	0.000829783	0.000829783	6.04749E-06	0.009272844	0.003525707	0.214126334	0.018802622	5.93806E-06	51.69797897	5.12129E-05	0.00031357	0.000530473	0.003166073
2077 Nov	465.0925598	0.237511531	0.319733918	0.006305452	47.82435608	0.042853057	178.0441132	0.000829574	0.000829574	6.0531E-06	0.009284963	0.003533984	0.214768022	0.018805111	5.94233E-06	51.80122375	5.13217E-05	0.000313877	0.000531402	0.00317303
2077 Dec	465.339386	0.237506688	0.319727302	0.006305269	47.82223892	0.042851109	178.1524658	0.00082952	0.00082952	6.05432E-06	0.0092876	0.003535828	0.214911595	0.018805549	5.94324E-06	51.82413101	5.13459E-05	0.000313944	0.000531609	0.003174575
2078 Jan	465.406189	0.237505764	0.319725245	0.006305217	47.82178497	0.042850684	178.1816101	0.00082951	0.00082951	6.05467E-06	0.00928834	0.003536335	0.214950174	0.018805973	5.94351E-06	51.83052063	5.13525E-05	0.000313965	0.000531669	0.003174999
2078 Feb	465.4153748	0.237509146	0.31972906	0.006305293	47.82251358	0.042851258	178.1850739	0.000829524	0.000829524	6.05478E-06	0.009288511	0.003536415	0.214954466	0.018806595	5.94361E-06	51.83171844	5.13535E-05	0.000313973	0.000531685	0.003175065
2078 Mar	465.4294739	0.237516493	0.319738567	0.006305481	47.82402802	0.042852573	178.1903381	0.000829551	0.000829551	6.05498E-06	0.009288801	0.003536527	0.214960784	0.018807366	5.9438E-06	51.83341217	5.1355E-05	0.000313985	0.000531704	0.003175164
2078 Apr	465.7833862	0.237695277	0.319979042	0.006310223	47.86003113	0.042884804	178.3259583	0.000830176	0.000830176	6.05956E-06	0.009295835	0.003539218	0.215124562	0.018821642	5.9483E-06	51.87282944	5.13941E-05	0.000314223	0.000532109	0.003177578
2078 May	464.4239807	0.234982505	0.315552115	0.006234211	47.57751846	0.042539541	177.7142944	0.000830053	0.000830053	6.04948E-06	0.009276394	0.003534915	0.214243501	0.019066272	5.93914E-06	51.92954636	5.12922E-05	0.000315973	0.000535591	0.003172045
2078 Jun	456.1112671	0.230264351	0.3084566	0.006119364	47.27166748	0.042065337	174.2699127	0.000827596	0.000827596	5.97798E-06	0.009145683	0.003466093	0.209075615	0.019173013	5.88249E-06	51.29185104	5.04493E-05	0.000314118	0.000531488	0.003119117
2078 Jul	459.4766541	0.231046379	0.309520006	0.006142293	47.45474243	0.042280272	175.6594391	0.000832036	0.000832036	6.01588E-06	0.009206096	0.003491926	0.210764945	0.019262513	5.91873E-06	51.65128326	5.08175E-05	0.000315904	0.000534868	0.003142011
2078 Aug	462.9156494	0.230717123	0.309039533	0.006134991	47.39825439	0.042361971	177.2122803	0.000833286	0.000833286	6.04245E-06	0.009251517	0.003519702	0.212748855	0.0192894	5.94143E-06	51.99607468	5.11558E-05	0.000316998	0.000537772	0.003165299
2078 Sep	467.4691772	0.230201021	0.308189332	0.006119161	47.27528763	0.042347547	179.2688293	0.00083244	0.00083244	6.06661E-06	0.009303104	0.003554927	0.215461418	0.019289644	5.95952E-06	52.42853165	5.15976E-05	0.000318237	0.000541398	0.00319453
2078 Oct	471.7286377	0.229266152	0.306632698	0.006089047	47.04191208	0.042226225	181.2511139	0.000829431	0.000829431	6.08026E-06	0.009345981	0.003587704	0.218123421	0.019249653	5.96636E-06	52.8132019	5.20138E-05	0.000318937	0.00054448	0.003221563
2078 Nov	472.8982849	0.229090557	0.306317627	0.006083003	46.99471283	0.04220501	181.7832336	0.000828904	0.000828904	6.08525E-06	0.009359041	0.003596734	0.218838677	0.019244652	5.9696E-06	52.92090988	5.21294E-05	0.000319188	0.000545377	0.003229046
2078 Dec	473.1552734	0.229079038	0.306302011	0.006082642	46.99118423	0.042201854	181.8967133	0.000828825	0.000828825	6.08644E-06	0.009361688	0.003598651	0.218989566	0.019244626	5.97045E-06	52.9445343	5.21545E-05	0.000319253	0.000545589	0.00323065
2079 Jan	473.4273376	0.229057238	0.306274176	0.006082023	46.98566055	0.042196345	182.0177917	0.0008287	0.0008287	6.08752E-06	0.009364243	0.003600673	0.219151095	0.019244034	5.97115E-06	52.9692688	5.21807E-05	0.000319315	0.000545812	0.003232335
2079 Feb	473.4824219	0.229052469	0.306267589	0.006081879	46.98455429	0.042195138	182.04216	0.000828676	0.000828676	6.08774E-06	0.00936476	0.00360109	0.219183609	0.019244198	5.9713E-06	52.97446442	5.2186E-05	0.00031933	0.000545862	0.00323268
2079 Mar	473.5468445	0.229067117	0.30628702	0.006082258	46.98748398	0.042197663	182.0685883	0.000828726	0.000828726	6.08832E-06	0.009365734	0.003601579	0.219217092	0.019245734	5.97183E-06	52.98116302	5.21927E-05	0.000319362	0.00054593	0.003233103
2079 Apr	473.769104	0.229163811	0.306416273	0.006084821	47.00727463	0.042215366	182.1551514	0.000829073	0.000829073	6.09101E-06	0.009369932	0.003603268	0.219322398	0.019254042	5.97444E-06	53.00568771	5.22169E-05	0.000319504	0.000546181	0.003234609
2079 May	474.4291382	0.229444787	0.30674687	0.00609173	47.06956482	0.042272657	182.3983612	0.000830569	0.000830569	6.10113E-06	0.009385203	0.003609014	0.219617203	0.019301862	5.98434E-06	53.09335327	5.2296E-05	0.000320163	0.000547269	0.003239479
2079 Jun	460.9015198	0.222335979	0.296771407	0.005922647	46.05373383	0.041525267	176.9442902	0.000828697	0.000828697	6.01867E-06	0.00924577	0.003511157	0.212471098	0.019128213	5.91366E-06	51.82998276	5.1158E-05	0.000315766	0.000535176	0.003154747
2079 Jul	460.0434265	0.220910639	0.294976681	0.005897149	45.9395256	0.041500065	176.71138	0.00083007	0.00083007	6.01763E-06	0.00924344	0.003500915	0.211941391	0.019041322	5.91571E-06	51.71812057	5.11179E-05	0.000314803	0.000532911	0.003148799
2079 Aug	464.0303955	0.221222937	0.295374304	0.005906472	46.01034546	0.041648053	178.4250031	0.00083279	0.00083279	6.05284E-06	0.009302055	0.003532196	0.214114025	0.019106638	5.94729E-06	52.12632751	5.15234E-05	0.000316441	0.00053664	0.003175575
2079 Sep	465.7085266	0.219910413	0.293002248	0.005862916	45.69365311	0.041566484	179.3306885	0.000830444	0.000830444	6.05555E-06	0.009323635	0.003547354	0.215365425	0.019054687	5.94564E-06	52.28209305	5.16878E-05	0.000316423	0.00053734	0.00318748
2079 Oct	466.9501953	0.218903035	0.291110724	0.005828444	45.45210648	0.041484203	179.9986115	0.000828311	0.000828311	6.0555E-06	0.009339154	0.003557792	0.216295511	0.019004751	5.94234E-06	52.38789749	5.18091E-05	0.000316224	0.000537692	0.003196087
2079 Nov	466.9043274	0.218486324	0.290262014	0.005813948	45.36617661	0.041466545	180.0261993	0.000827733	0.000827733	6.05304E-06	0.009340471	0.003557289	0.21633409	0.018979114	5.93954E-06	52.3769455	5.18006E-05	0.000315909	0.000537214	0.003196094
2079 Dec	466.8335876	0.218175113	0.289618075	0.005803057	45.30305481	0.04145297	180.0268707	0.000827342	0.000827342	6.05115E-06	0.009341224	0.003556579	0.216341898	0.018959416	5.93743E-06	52.36431122	5.17898E-05	0.000315652	0.000536806	0.003195853
2080 Jan	466.8732605	0.218169913	0.289608359	0.005802876	45.30209732	0.041452106	180.0443726	0.000827326	0.000827326	6.05132E-06	0.009341612	0.003556878	0.216365054	0.018959703	5.93754E-06	52.36818695	5.17936E-05	0.000315664	0.000536844	0.003196106
2080 Feb	466.8825378	0.21817106	0.28960827	0.005802876	45.30249405	0.041452236	180.0478058	0.000827336	0.000827336	6.05141E-06	0.009341755	0.003556967	0.216369405	0.018960632	5.93763E-06	52.36960602	5.17945E-05	0.000315674	0.000536865	0.003196176
2080 Mar	466.8864441	0.218172908	0.28960976	0.005802908	45.302948	0.041452553	180.0490417	0.000827346	0.000827346	6.05148E-06	0.009341845	0.003557008	0.216370866	0.01896124	5.93769E-06	52.37032318	5.1795E-05	0.000315681	0.000536877	0.003196209
2080 Apr	467.0239258	0.2182374	0.289694846	0.005804614	45.31638336	0.041464791	180.1018829	0.000827593	0.000827593	6.05327E-06	0.009344609	0.003558063	0.21643436	0.018967092	5.93945E-06	52.38591385	5.18102E-05	0.000315776	0.000537039	0.003197154
2080 May	467.9180603	0.218626246	0.290203929	0.005814863	45.39785767	0.04153977	180.4480133	0.000829138	0.000829138	6.06473E-06	0.009362403	0.00356498	0.21685183	0.019005049	5.95065E-06	52.4876976	5.19099E-05	0.000316397	0.000538107	0.003203308
2080 Jun	459.3985596	0.214768976	0.285187811	0.005735395	44.90954208	0.041217759	177.0217896	0.000830162	0.000830162	6.02055E-06	0.00928509	0.00349731	0.212255687	0.01876886	5.91635E-06	51.60066986	5.12144E-05	0.000312588	0.000527871	0.003147894
2080 Jul	456.7874451	0.212943181	0.282871932	0.005701368	44.73348618	0.041175053	176.0551453	0.000831811	0.000831811	6.01118E-06	0.009264267	0.003474591	0.210772574	0.018662255	5.91179E-06	51.32036972	5.10063E-05	0.000310976	0.000523917	0.003131198
2080 Aug	458.9202271	0.212653831	0.282419205	0.005695012	44.68913269	0.041273154	177.028717	0.000833501	0.000833501	6.03209E-06	0.009296676	0.003492743	0.211997077	0.018690066	5.93034E-06	51.54596329	5.1216E-05	0.000311749	0.000525753	0.003146404

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2080 Sep	460.0245361	0.211568996	0.280578077	0.005661656	44.44768143	0.04123833	177.6421509	0.000832243	0.000832243	6.03573E-06	0.009309853	0.003503482	0.212852374	0.018655628	5.93083E-06	51.65454865	5.1309E-05	0.000311793	0.00052615	0.003154462
2080 Oct	461.6497498	0.210635558	0.278812528	0.005629885	44.23802948	0.041165054	178.4723511	0.000830048	0.000830048	6.0367E-06	0.009327142	0.003515612	0.213955298	0.018603809	5.92861E-06	51.7928772	5.14596E-05	0.000311612	0.000526744	0.00316516
2080 Nov	462.186676	0.210113287	0.277749419	0.005612182	44.14733887	0.041141167	178.7661591	0.000829061	0.000829061	6.03501E-06	0.009332373	0.00351813	0.214311689	0.018564429	5.92624E-06	51.82795715	5.14971E-05	0.000311226	0.000526476	0.00316852
2080 Dec	462.6776428	0.210052401	0.277643263	0.005610233	44.13453674	0.041132677	178.9866333	0.000828836	0.000828836	6.03691E-06	0.009337229	0.003521652	0.214602992	0.018561224	5.92747E-06	51.87174606	5.15434E-05	0.000311305	0.000526829	0.003171572
2081 Jan	462.7197266	0.210051134	0.277639568	0.005610163	44.13422394	0.04113245	179.0048523	0.000828833	0.000828833	6.03714E-06	0.009337716	0.003521975	0.214627013	0.018561732	5.92765E-06	51.87594223	5.15476E-05	0.00031132	0.000526871	0.003171844
2081 Feb	462.7210083	0.210052297	0.277639866	0.005610171	44.13456345	0.041132633	179.0049286	0.000828843	0.000828843	6.03719E-06	0.00933777	0.003522001	0.214627028	0.018562421	5.9277E-06	51.87647629	5.15477E-05	0.000311327	0.000526882	0.003171861
2081 Mar	462.7374573	0.21006009	0.277649492	0.005610367	44.13625336	0.04113413	179.0110474	0.000828876	0.000828876	6.03742E-06	0.009338117	0.003522135	0.214634344	0.018563431	5.92793E-06	51.87853622	5.15496E-05	0.000311341	0.000526906	0.003171979
2081 Apr	462.9607239	0.210153446	0.277771622	0.005612834	44.15594482	0.041152354	179.0979767	0.000829247	0.000829247	6.04022E-06	0.009342478	0.003523848	0.214739248	0.018572398	5.93065E-06	51.90367508	5.15743E-05	0.00031149	0.000527166	0.003173508
2081 May	459.3191528	0.20898883	0.275634259	0.005577434	44.07483673	0.041017599	177.4155273	0.000831533	0.000831533	6.02807E-06	0.009310373	0.003502531	0.212486461	0.018795021	5.9227E-06	51.72123337	5.12545E-05	0.000312595	0.000528002	0.00315366
2081 Jun	452.0818481	0.206443965	0.271759063	0.005516188	43.97045135	0.040762782	174.3270874	0.000831146	0.000831146	5.975E-06	0.009208151	0.003444355	0.207958475	0.018906685	5.88237E-06	51.16106415	5.05324E-05	0.000311331	0.00052441	0.003107894
2081 Jul	455.3791504	0.207512841	0.273196697	0.005546896	44.23026276	0.041014865	175.6560211	0.000836271	0.000836271	6.01409E-06	0.009269989	0.003468354	0.209510639	0.019008899	5.92085E-06	51.51889801	5.0897E-05	0.000313231	0.000527796	0.003130081
2081 Aug	459.4332886	0.208460227	0.274423122	0.005572288	44.43391418	0.041242104	177.3320313	0.00084059	0.00084059	6.05528E-06	0.009337581	0.003499321	0.211575434	0.019113002	5.95955E-06	51.95074844	5.13263E-05	0.000315346	0.000531942	0.003157308
2081 Sep	462.6961975	0.207912356	0.273486286	0.005555033	44.30429459	0.041231785	178.8345337	0.000839769	0.000839769	6.07212E-06	0.009375066	0.003524886	0.213551775	0.019105984	5.97161E-06	52.26298523	5.16418E-05	0.000316163	0.000534458	0.003178567
2081 Oct	465.7834473	0.207382426	0.272552073	0.005537	44.16409683	0.041169722	180.2547607	0.000838076	0.000838076	6.08409E-06	0.009408218	0.003548601	0.215450615	0.019086746	5.97865E-06	52.54660416	5.19452E-05	0.000316748	0.000536795	0.003198359
2081 Nov	467.068634	0.206747353	0.271426171	0.005515593	44.00065231	0.041094743	180.8929443	0.000836312	0.000836312	6.08561E-06	0.009421225	0.003559171	0.216351345	0.019054553	5.97706E-06	52.65741348	5.20696E-05	0.000316749	0.000537514	0.003206822
2081 Dec	467.2869263	0.206676066	0.271283954	0.005512951	43.98059464	0.04108775	180.9953003	0.000836164	0.000836164	6.08651E-06	0.009424131	0.003560991	0.216497108	0.019052057	5.97748E-06	52.67728424	5.20914E-05	0.000316779	0.00053766	0.003208293
2082 Jan	467.3459473	0.206670105	0.271273673	0.005512742	43.97907257	0.041086521	181.0213623	0.000836142	0.000836142	6.08677E-06	0.009424738	0.003561449	0.21653223	0.019052373	5.97765E-06	52.68296432	5.20972E-05	0.000316797	0.000537716	0.00320867
2082 Feb	467.358551	0.206672713	0.271275699	0.005512784	43.97971725	0.041086949	181.0261536	0.000836157	0.000836157	6.08691E-06	0.009424948	0.003561562	0.21653831	0.019053331	5.97778E-06	52.6846962	5.20985E-05	0.000316809	0.000537739	0.003208762
2082 Mar	467.3881836	0.206686035	0.271292388	0.005513125	43.98260498	0.041089565	181.0373993	0.000836214	0.000836214	6.08731E-06	0.00942556	0.003561798	0.216551706	0.019054933	5.97817E-06	52.6882782	5.21018E-05	0.000316832	0.00053778	0.003208971
2082 Apr	467.5472717	0.206756607	0.271384537	0.005514999	43.99765778	0.041103572	181.0988617	0.000836501	0.000836501	6.08939E-06	0.00942878	0.003563016	0.216625214	0.019061651	5.98022E-06	52.70635605	5.21196E-05	0.000316942	0.000537966	0.003210066
2082 May	468.3281555	0.207096323	0.271829486	0.005524048	44.07009506	0.041171454	181.401947	0.000837884	0.000837884	6.0995E-06	0.009444471	0.003568979	0.216987595	0.019093564	5.99014E-06	52.79457092	5.22067E-05	0.000317472	0.000538869	0.003215431
2082 Jun	463.0404358	0.200562611	0.263361573	0.005376497	42.95596313	0.040393047	179.6368866	0.000833042	0.000833042	6.05717E-06	0.009395408	0.003529814	0.214940742	0.018708045	5.94686E-06	52.14045334	5.18959E-05	0.000313526	0.00053019	0.003179699
2082 Jul	458.2080994	0.197785556	0.25991407	0.005323876	42.65500259	0.04021471	177.7902374	0.000833603	0.000833603	6.02935E-06	0.009346536	0.003487328	0.212263644	0.018504484	5.9266E-06	51.60471725	5.14977E-05	0.000310587	0.000523158	0.003147217
2082 Aug	460.978302	0.198146507	0.260317415	0.005333836	42.74083328	0.040383395	178.9688416	0.000836745	0.000836745	6.05908E-06	0.009393891	0.003509402	0.213718012	0.01857087	5.95429E-06	51.90456772	5.17861E-05	0.000311992	0.000525874	0.003166348
2082 Sep	462.3664246	0.197970688	0.259853125	0.005326216	42.69167709	0.040433161	179.6112061	0.000837308	0.000837308	6.0704E-06	0.009416907	0.003520982	0.214537099	0.018582908	5.96378E-06	52.05164719	5.19285E-05	0.000312517	0.000527007	0.003176122
2082 Oct	461.8103333	0.196354747	0.256877363	0.005270266	42.27622986	0.040272854	179.582489	0.000833203	0.000833203	6.05352E-06	0.009409176	0.003519771	0.214634687	0.018489825	5.94368E-06	51.98101425	5.18683E-05	0.000311442	0.000525565	0.003173904
2082 Nov	463.2243958	0.196231931	0.25666225	0.005265978	42.24119568	0.040253386	180.2131805	0.000832717	0.000832717	6.06005E-06	0.009424409	0.003530458	0.215478271	0.018488005	5.94812E-06	52.111763	5.20065E-05	0.000311772	0.000526717	0.003182883
2082 Dec	463.7885132	0.196199343	0.256620526	0.005265034	42.23251724	0.040244829	180.4626465	0.000832516	0.000832516	6.06254E-06	0.009429962	0.003534629	0.215809941	0.018487465	5.94983E-06	52.16340637	5.20611E-05	0.000311904	0.000527184	0.003186399
2083 Jan	463.8392639	0.196197763	0.256617159	0.005264963	42.2320137	0.040244434	180.4847412	0.000832509	0.000832509	6.06281E-06	0.00943053	0.003535016	0.215839282	0.018487856	5.95003E-06	52.16832352	5.20661E-05	0.00031192	0.000527232	0.003186723
2083 Feb	463.8572083	0.196205646	0.256626636	0.00526516	42.23376465	0.04024601	180.4914551	0.000832545	0.000832545	6.06306E-06	0.00943091	0.003535163	0.215847284	0.018488975	5.95028E-06	52.17059326	5.20681E-05	0.000311936	0.000527259	0.003186852
2083 Mar	463.8995972	0.196223795	0.256649971	0.005265639	42.23770523	0.040249716	180.5078278	0.000832624	0.000832624	6.06363E-06	0.009431782	0.003535492	0.215866819	0.018490896	5.95083E-06	52.17550278	5.20729E-05	0.000311967	0.000527311	0.003187147
2083 Apr	464.1228638	0.196318328	0.256773353	0.00526817	42.2580719	0.040269092	180.5946045	0.000833026	0.000833026	6.06655E-06	0.009436326	0.003537197	0.215970591	0.01849992	5.9537E-06	52.20069504	5.20979E-05	0.000312118	0.000527566	0.003188682
2083 May	467.5119629	0.195133805	0.25479278	0.005231816	42.09034348	0.040062904	182.0316772	0.000832442	0.000832442	6.08465E-06	0.009472575	0.00356736	0.217906922	0.018669957	5.96588E-06	52.62901688	5.24523E-05	0.000314488	0.000533488	0.00321212
2083 Jun	461.6581726	0.190626517	0.248128235	0.005119002	41.70678329	0.039448909	179.6321716	0.000827778	0.000827778	6.01926E-06	0.009359153	0.00351892	0.214240655	0.018817985	5.91028E-06	52.23791122	5.18459E-05	0.000313627	0.000532484	0.00317416
2083 Jul	462.9173279	0.190437704	0.247990012	0.005121794	41.77952194	0.039565794	180.2288513	0.00083012	0.00083012	6.0336E-06	0.009380376	0.003525008	0.214760169	0.018808452	5.92617E-06	52.35663986	5.19835E-05	0.000313768	0.000532852	0.003182183
2083 Aug	464.9888306	0.189609632	0.246851727	0.005102901	41.62783813	0.039631255	181.2224121	0.000831337	0.000831337	6.05385E-06	0.009408406	0.003544098	0.216065183	0.018813308	5.94283E-06	52.56674957	5.21725E-05	0.000314133	0.000534398	0.003197681
2083 Sep	467.7128296	0.188660592	0.245071366	0.005069563	41.37726974	0.039568033	182.5496216	0.000829108	0.000829108	6.06271E-06	0.009440362	0.003566264	0.217859983	0.018772757	5.94615E-06	52.8187294	5.24375E-05	0.000314435	0.000536128	0.003215957
2083 Oct	467.8776245	0.187348917	0.24247998	0.005023848	41.09218597	0.039477382	182.8105316	0.00082554	0.00082554	6.04831E-06	0.00943659	0.003565212	0.218175128	0.018656434	5.9302E-06	52.79317474	5.2417E-05	0.000313071	0.000534508	0.003217013
2083 Nov	468.4630127	0.186996996	0.241789564	0.005012531	41.04254913	0.039457835	183.1221466	0.000824314	0.000824314	6.04493E-06	0.009437629	0.003566961	0.218514994	0.018611414	5.92657E-06	52.82672119	5.24507E-05	0.00031261	0.00053422	0.003220115
2083 Dec	468.8844604	0.186971024	0.241755426	0.005011789	41.03612518	0.039451387	183.3087463	0.000824157	0.000824157	6.04674E-06	0.00944171	0.003570038	0.218762279	0.01861053	5.9278E-06	52.8650322	5.24911E-05	0.000312702	0.000534562	0.003222733
2084 Jan	468.8896179	0.186970666	0.241752937	0.005011746	41.03596497	0.039451439	183.310791	0.000824161	0.000824161	6.0468E-06	0.009441816	0.003570092	0.218765199	0.018610938	5.92784E-06	52.86577606	5.24917E-05	0.000312707	0.000534572	0.003222774
2084 Feb	468.8945923	0.186973214	0.241755202	0.005011794	41.03659439	0.039451923	183.3123932	0.000824176	0.000824176	6.04689E-06	0.009441941	0.003570144	0.218767032	0.018611671	5.92793E-06	52.86667252	5.24923E-05	0.000312715	0.000534586	0.003222816
2084 Mar	468.9381104	0.186990857	0.24177748	0.005012257	41.04050446	0.039455615	183.3291931	0.000824256	0.000824256	6.04746E-06	0.00944283	0.003570482	0.218787074	0.018613689	5.92849E-06	52.87175751	5.24972E-05	0.000312747	0.00053464	0.003223119
2084 Apr	469.2814331	0.187127337	0.241953641	0.005015909	41.07047653	0.039484393	183.4633789	0.000824858	0.000824858	6.05189E-06	0.009449737	0.0035731	0.218947262	0.018627424	5.93283E-06	52.91053772	5.25356E-05	0.000312976	0.000535034	0.00322548
2084 May	467.9309998	0.186017558	0.239928111	0.004980931	40.96940994	0.039318167	182.775116	0.000826422	0.000826422	6.05052E-06	0.009440558	0.003569354	0.218036756	0.018863272	5.93227E-06	52.94510651	5.24387E-05	0.000314781	0.000538035	0.003220005
2084 Jun	457.796875	0.183007494	0.235530153	0.004910485	40.8490448	0.038949002	178.4747925	0.000823963	0.000823963	5.96707E-06	0.009284902	0.003485623	0.211736292	0.018953146	5.86687E-06	52.11297989	5.13971E-05	0.000312338	0.000532042	0.003154031
2084 Jul	459.8929443	0.183233917	0.235887036	0.00492136	40.96355438	0.039100166	179.3837128	0.00082713	0.00082713	5.99087E-06	0.009322817	0.003499745	0.212722704	0.018987721	5.89079E-06	52.33102417	5.16319E-05	0.000313216	0.000533709	0.003167999
2084 Aug	462.9932251	0.183327436	0.23594299	0.004924327	40.99370575	0.039226223	180.7415161	0.000829273	0.000829273	6.0185E-06	0.00936896	0.003524175	0.214420021	0.019035701	5.91544E-06	52.65394211	5.19459E-05	0.00031449	0.000536562	0.003189044
2084 Sep	465.6630859	0.182480201	0.234549657	0.004897949	40.78786087	0.039174873	182.0249176	0.000827383	0.000827383	6.02817E-06	0.00939572	0.003545568	0.216148868	0.018999331	5.91996E-06	52.89941788	5.21931E-05	0.000314855	0.000538314	0.003206505
2084 Oct	467.3225098	0.181382433	0.232452616	0.004858178	40.47980118	0.039063305	182.8942108	0.000824377	0.000824377	6.0285E-06	0.009415476	0.003560171	0.217422068	0.01893473	5.91494E-06	53.03754807	5.23543E-05	0.00031462	0.000538941	0.003218054
2084 Nov	467.8692322	0.181038201	0.23176828	0.004845369	40.3821373	0.039031114	183.1761017	0.000823506	0.000823506	6.02911E-06	0.009422719	0.003564951	0.217837244	0.018914606	5.91381E-06	53.08322144	5.24074E-05	0.000314548	0.000539138	0.00322189
2084 Dec	468.214325	0.181020632	0.231744498	0.004844839	40.37720108	0.039026652	183.3283081	0.000823401	0.000823401	6.03072E-06	0.009426235	0.003567504	0.218039677	0.018914443	5.91493E-06	53.11492538	5.24409E-05	0.00031463	0.000539426	0.003224052
2085 Jan	468.4286804	0.181002676	0.231721073	0.004844323	40.37268448	0.039022174	183.4234924	0.000823302	0.000823302	6.03158E-06	0.009428228	0.003569088	0.218166962	0.018913956	5.91547E-06	53.13442993	5.24614E-05	0.000314676	0.000539604	0.003225385
2085 Feb	468.4617615	0.181003094	0.231720895	0.004844316	40.37277985	0.039022122	183.4376068	0.000823304	0.000823304	6.03179E-06	0.009428613	0.003569344	0.218185455	0.018914541	5.91563E-06	53.13782501	5.24647E-05	0.000314689	0.00053964	0.0032256
2085 Mar	468.4777222	0.181009293	0.23172836	0.004844473	40.37419128	0.039023425	183.4437256	0.000823334	0.000823334	6.032E-06	0.009428941	0.003569472	0.218192726	0.018915415	5.91584E-06	53.13977814	5.24665E-05	0.000314702	0.000539662	0.003225713
2085 Apr	468.6586304	0.181079343	0.231817782	0.004846342	40.38983536	0.039038513	183.5144653	0.000823653	0.000823653	6.03434E-06	0.009432589	0.003570854	0.218276858	0.018922862	5.91813E-06	53.16038895	5.24868E-05	0.000314825	0.000539873	0.003226961
2085 May	468.2828979	0.180187374	0.230218276	0.004817976	40.28829575	0.038897771	183.2846069	0.000824528	0.000824528	6.03632E-06	0.009432675	0.003573383	0.2179901	0.019102925	5.91947E-06	53.24847794	5.24803E-05	0.000316391	0.000542766	0.003227022
2085 Jun	463.8274231	0.178689346	0.227855995	0.004779673	40.21417236	0.038719229	181.3432617	0.000825043	0.000825043	6.00747E-06	0.009375016	0.003540382	0.215171352	0.019249424	5.89809E-06	52.95343399	5.20573E-05	0.000316424	0.000541845	0.003199805
2085 Jul	467.3424377	0.179073125	0.228344336	0.004791619	40.31364059	0.038887475	182.8397064	0.000828654	0.000828654	6.04349E-06	0.009434127	0.003567935	0.217020139	0.019326519	5.93133E-06	53.32618332	5.24377E-05	0.000318093	0.00054533	0.003223865
2085 Aug	470.7643738	0.178190276	0.227090642	0.004768689	40.1305809	0.03889003	184.4599762	0.000827774	0.000827774	6.06188E-06	0.00946921	0.003595361	0.219135329	0.019303955	5.94414E-06	53.65090561	5.27524E-05	0.000318711	0.000547786	0.003246589
2085 Sep	473.805603	0.176616028	0.224433258	0.004718508	39.7434082	0.038759682	185.9989166	0.000823682	0.000823682	6.06583E-06	0.009495248	0.003619675	0.221269071	0.019205863	5.94058E-06	53.90669632	5.30181E-05	0.000318511	0.000549081	0.00326642
2085 Oct	476.052948	0.175824419	0.222963363	0.004693059	39.59995651	0.038694061	187.1217194	0.000820387	0.000820387	6.06232E-06	0.009507027	0.003631264	0.222619802	0.019100089	5.9346E-06	54.06645584	5.31918E-05	0.000317721	0.000549258	0.003279292
2085 Nov	476.8499146	0.175484344	0.222318918	0.004682388	39.54953003	0.038668938	187.5322266	0.000818891	0.000818891	6.0588E-06	0.009508665	0.003634045	0.223081276	0.01904515	5.93059E-06	54.1132164	5.32428E-05	0.000317198	0.000549003	0.003283473
2085 Dec	477.11203	0.175465882	0.222292751	0.004681827	39.54450226	0.038664661	187.6483459	0.000818792	0.000818792	6.05996E-06	0.009511275	0.003635982	0.223236501	0.01904455	5.93135E-06	54.13706207	5.32682E-05	0.000317255	0.000549217	0.003285113
2086 Jan	477.1400146	0.175463453	0.222287774	0.004681728	39.54385757	0.038664173	187.660553	0.000818785	0.000818785	6.0601E-06	0.009511579	0.003636201	0.223252997	0.019044831	5.93145E-06	54.13983536	5.32709E-05	0.000317264	0.000549245	0.003285295
2086 Feb	477.1412659	0.175464347	0.222287908	0.004681732	39.54414368	0.038664293	187.6606903	0.000818792	0.000818792	6.06013E-06	0.009511619	0.003636223	0.223253071	0.019045407	5.93148E-06	54.14030075	5.3271E-05	0.00031727	0.000549255	0.00328531
2086 Mar	477.1647949	0.175471887	0.222296908	0.004681922	39.54587555	0.038665909	187.6699371	0.000818829	0.000818829	6.06042E-06	0.009512068	0.003636409	0.223264217	0.01904651	5.93175E-06	54.14308548	5.32736E-05	0.000317286	0.000549285	0.003285474
2086 Apr	477.4187317	0.175564393	0.222413808	0.004684384	39.56674194	0.038686268	187.7698059	0.000819261	0.000819261	6.06363E-06	0.009517112	0.003638348	0.223383173	0.019056717	5.9349E-06	54.17195129	5.33019E-05	0.000317456	0.00054958	0.003287223
2086 May	478.1759338	0.175513983	0.222197443	0.00468115	39.57440567	0.038688183	188.0494995	0.000820618	0.000820618	6.0743E-06	0.009533674	0.003646369	0.223753691	0.01914135	5.9445E-06	54.29511261	5.33983E-05	0.000318483	0.000551484	0.003293296
2086 Jun	466.9008789	0.172063127	0.217423886	0.004604253	39.31470871	0.038239021	183.25737	0.000819579	0.000819579	5.99454E-06	0.009384102	0.003556403	0.217009425	0.019177226	5.88208E-06	53.32062912	5.23219E-05	0.000315683	0.000543753	0.003220058
2086 Jul	468.2678528	0.171953559	0.217476651	0.004612296	39.42983246	0.038378756	183.897522	0.000822921	0.000822921	6.01256E-06	0.009411999	0.003561425	0.217509866	0.019156627	5.90264E-06	53.44187164	5.24916E-05	0.000315838	0.000543858	0.003228195
2086 Aug	472.7431641	0.171564028	0.216907218	0.004602977	39.35461807	0.038450267	185.9095306	0.000823784	0.000823784	6.04394E-06	0.009467252	0.003596572	0.220105499	0.019178292	5.92807E-06	53.88137817	5.29267E-05	0.00031712	0.000547611	0.003258011
2086 Sep	475.4908142	0.170186728	0.214654222	0.004560278	39.01278687	0.038361751	187.2805481	0.000820895	0.000820895	6.05201E-06	0.009492865	0.003619897	0.222046122	0.019107267	5.92895E-06	54.1230545	5.3164E-05	0.000317201	0.000549003	0.003276313
2086 Oct	478.6553955	0.169642255	0.21364589	0.004540592	38.85274887	0.038295168	188.7354431	0.000819017	0.000819017	6.06435E-06	0.009527517	0.003644307	0.22402288	0.019079721	5.93545E-06	54.40929413	5.34737E-05	0.000317695	0.000551324	0.003296761
2086 Nov	479.403871	0.169639871	0.213636041	0.004540364	38.85021591	0.038294669	189.061676	0.000818982	0.000818982	6.06863E-06	0.009536145	0.003649862	0.22445111	0.019082954	5.93874E-06	54.48016739	5.35479E-05	0.00031791	0.000551975	0.003301523
2086 Dec	479.7853699	0.169617042	0.213606983	0.00453971	38.84410858	0.038288757	189.2303467	0.000818845	0.000818845	6.07032E-06	0.009539898	0.003652668	0.22467573	0.019082299	5.93988E-06	54.51496124	5.35848E-05	0.000317994	0.00055229	0.003303905
2087 Jan	479.8277588	0.169614673	0.213603035	0.004539626	38.84344864	0.03828818	189.2489319	0.000818834	0.000818834	6.07053E-06	0.009540343	0.003652988	0.22470054	0.019082472	5.94002E-06	54.51897812	5.35889E-05	0.000318006	0.000552329	0.003304174
2087 Feb	479.8438416	0.169619948	0.213609084	0.004539756	38.8446846	0.038289323	189.2551575	0.000818861	0.000818861	6.07073E-06	0.009540658	0.003653118	0.224708036	0.019083347	5.94022E-06	54.52096176	5.35907E-05	0.000318018	0.000552352	0.003304288
2087 Mar	479.8984375	0.169639379	0.213633254	0.004540269	38.84915161	0.038293686	189.2765808	0.000818956	0.000818956	6.07143E-06	0.009541749	0.003653538	0.224733442	0.019085685	5.9409E-06	54.52726364	5.35968E-05	0.000318056	0.000552417	0.003304666
2087 Apr	480.0274353	0.169685096	0.213690639	0.004541489	38.8596344	0.03830399	189.3273926	0.000819177	0.000819177	6.07307E-06	0.009544319	0.003654523	0.224793762	0.019090911	5.9425E-06	54.54198456	5.36112E-05	0.000318143	0.000552567	0.003305556
2087 May	478.4323425	0.169323474	0.212974742	0.00452914	38.8281517	0.038253315	188.5857544	0.000820237	0.000820237	6.06848E-06	0.009531672	0.00364598	0.223819584	0.019196371	5.93955E-06	54.46658707	5.34764E-05	0.00031875	0.000553075	0.003297034
2087 Jun	469.7532654	0.167315707	0.20984444	0.004476544	38.66360092	0.037978966	184.8049927	0.0008208	0.0008208	6.01605E-06	0.009428415	0.003584198	0.218635291	0.019373342	5.89891E-06	53.80879211	5.26625E-05	0.000318107	0.00054951	0.003243744
2087 Jul	472.8752441	0.167172223	0.20966509	0.004475662	38.6545639	0.038076486	186.187851	0.000823163	0.000823163	6.04549E-06	0.009477672	0.003609074	0.220376685	0.019410102	5.92488E-06	54.12670517	5.29994E-05	0.000319261	0.000552286	0.003265162

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2087 Aug	476.5329285	0.167507708	0.210061014	0.004485443	38.74054337	0.038229819	187.7503967	0.000826153	0.000826153	6.07962E-06	0.009533984	0.003637409	0.222326219	0.019480767	5.95573E-06	54.50921631	5.33775E-05	0.000320855	0.000555842	0.003289911
2087 Sep	480.7183533	0.167341158	0.209625527	0.004477584	38.68039703	0.038252447	189.6127777	0.000826045	0.000826045	6.10455E-06	0.009586529	0.0036692	0.224755466	0.019493919	5.97485E-06	54.91238785	5.37969E-05	0.000322034	0.000559352	0.003317196
2087 Oct	483.7089233	0.166732565	0.20854108	0.004456228	38.50522995	0.038172353	191.0029755	0.000823798	0.000823798	6.11437E-06	0.009617315	0.003692148	0.226651505	0.019456139	5.97881E-06	55.1774292	5.40865E-05	0.000322375	0.000561436	0.003336419
2087 Nov	484.2334595	0.166530937	0.208140641	0.004448569	38.44374466	0.038151614	191.2587128	0.000823209	0.000823209	6.11574E-06	0.009623806	0.003696515	0.227019295	0.019443205	5.97875E-06	55.22243881	5.4138E-05	0.000322374	0.000561716	0.003339977
2087 Dec	484.8291016	0.16648908	0.20808813	0.004447394	38.43284225	0.0381409	191.522644	0.000822963	0.000822963	6.11826E-06	0.009629483	0.003700877	0.227371469	0.019441403	5.98037E-06	55.27631378	5.41953E-05	0.000322497	0.000562202	0.003343684
2088 Jan	484.9506226	0.166481584	0.208077699	0.004447164	38.4308548	0.038138971	191.5762024	0.000822922	0.000822922	6.11881E-06	0.009630688	0.003701777	0.22744289	0.019441441	5.98074E-06	55.28755188	5.4207E-05	0.000322525	0.000562306	0.003344447
2088 Feb	484.9595032	0.166482553	0.208078176	0.004447174	38.43111801	0.038139123	191.5797119	0.000822928	0.000822928	6.11889E-06	0.00963082	0.003701854	0.227447405	0.019441959	5.98081E-06	55.28868103	5.4208E-05	0.000322532	0.000562321	0.00334451
2088 Mar	485.01651	0.166502401	0.208102554	0.004447696	38.43572235	0.038143635	191.602066	0.000823028	0.000823028	6.11962E-06	0.009631962	0.003702295	0.22747393	0.019444481	5.98152E-06	55.29532623	5.42143E-05	0.000322572	0.000562391	0.003344906
2088 Apr	485.5078735	0.166671276	0.208313033	0.004452196	38.47475433	0.038182318	191.7960358	0.000823864	0.000823864	6.12583E-06	0.00964173	0.003706053	0.227704078	0.019464482	5.98759E-06	55.35154343	5.42693E-05	0.000322902	0.000562966	0.003348299
2088 May	486.5992737	0.167013332	0.208716273	0.004460888	38.55555725	0.038261127	192.2253876	0.000825669	0.000825669	6.13944E-06	0.009663143	0.003714701	0.228215456	0.019517127	6.0008E-06	55.48222351	5.43914E-05	0.000323706	0.000564401	0.003355955
2088 Jun	478.0045471	0.163821295	0.204523712	0.004386954	37.9246254	0.037890833	188.6898499	0.000826627	0.000826627	6.10431E-06	0.00960278	0.003659128	0.223956704	0.019380916	5.96964E-06	54.64419937	5.37479E-05	0.000321345	0.000556213	0.003303255
2088 Jul	479.4077454	0.163623646	0.204278782	0.004386681	37.91811371	0.037982311	189.3050079	0.00083066	0.00083066	6.13142E-06	0.009648116	0.003671379	0.224703595	0.019414015	5.99565E-06	54.80199051	5.39756E-05	0.000322386	0.000557441	0.003313727
2088 Aug	484.2965698	0.164406732	0.205225438	0.004407795	38.10295868	0.038213152	191.3501892	0.000835366	0.000835366	6.17928E-06	0.009727656	0.003708666	0.227233097	0.019529818	6.0398E-06	55.32176208	5.44921E-05	0.000324801	0.000562415	0.003346612
2088 Sep	488.2542114	0.164256364	0.20491533	0.004402115	38.05942535	0.038231786	193.1104889	0.000835183	0.000835183	6.20217E-06	0.00977445	0.003738353	0.229513317	0.019541705	6.05735E-06	55.7020607	5.48833E-05	0.000325906	0.000565758	0.003372165
2088 Oct	488.5373535	0.163064435	0.20265241	0.00435845	37.71123505	0.038098928	193.4072876	0.000831301	0.000831301	6.19129E-06	0.009775507	0.003742645	0.230064034	0.019446071	6.04195E-06	55.69782639	5.49011E-05	0.000324996	0.000564938	0.003374913
2088 Nov	488.5442505	0.162839711	0.202154696	0.004349152	37.63856125	0.038083542	193.4408722	0.000830789	0.000830789	6.19022E-06	0.009777809	0.003743446	0.23014982	0.01943049	6.03994E-06	55.69498825	5.49027E-05	0.000324841	0.000564738	0.003375386
2088 Dec	488.9498596	0.162816614	0.202124611	0.004348482	37.63236618	0.038077638	193.6198883	0.000830652	0.000830652	6.19206E-06	0.009781831	0.003746418	0.230387971	0.019429849	6.04117E-06	55.7320137	5.49419E-05	0.00032493	0.000565074	0.003377923
2089 Jan	488.9719543	0.162816152	0.20212248	0.004348441	37.632164	0.038077578	193.6293335	0.000830653	0.000830653	6.1922E-06	0.009782108	0.003746593	0.230400637	0.01943022	6.04128E-06	55.73428726	5.49441E-05	0.000324938	0.000565098	0.003378069
2089 Feb	488.9799805	0.162819356	0.202125654	0.00434851	37.63294983	0.038078263	193.6322174	0.000830672	0.000830672	6.19232E-06	0.009782289	0.003746666	0.230404004	0.019430978	6.0414E-06	55.73547363	5.4945E-05	0.000324948	0.000565114	0.00337813
2089 Mar	489.0505066	0.162842959	0.202154517	0.004349132	37.63842773	0.038083743	193.6600189	0.000830793	0.000830793	6.19322E-06	0.009783707	0.003747212	0.23043707	0.019434003	6.04227E-06	55.74364853	5.4953E-05	0.000324996	0.000565199	0.003378621
2089 Apr	489.3637695	0.162947357	0.202283815	0.004351914	37.66257858	0.038108137	193.7839508	0.000831327	0.000831327	6.19719E-06	0.009789978	0.003749616	0.230584547	0.019446608	6.04615E-06	55.77945328	5.49882E-05	0.000325206	0.000565563	0.003380787
2089 May	487.3430786	0.162457243	0.20127821	0.004333828	37.59755325	0.038036503	192.8340149	0.000832919	0.000832919	6.19371E-06	0.009777704	0.003740715	0.229387596	0.019605177	6.044E-06	55.70058823	5.48292E-05	0.00032628	0.000566662	0.003370683
2089 Jun	480.5748596	0.160593629	0.198177099	0.004277762	37.33381653	0.037756596	189.8460846	0.000833973	0.000833973	6.16077E-06	0.009710553	0.003700816	0.225519836	0.019851916	6.01682E-06	55.26117325	5.4241E-05	0.000327063	0.000565953	0.003332014
2089 Jul	485.2513123	0.160488576	0.198045433	0.004277506	37.32839966	0.037856013	191.8993988	0.000836232	0.000836232	6.19895E-06	0.009776464	0.003737164	0.228142813	0.019898672	6.04934E-06	55.72742462	5.47264E-05	0.000328649	0.000570152	0.003363356
2089 Aug	490.0145264	0.16043213	0.197955072	0.004277751	37.33007813	0.03796304	193.9833984	0.000838237	0.000838237	6.23641E-06	0.009839849	0.003774083	0.230815664	0.019947056	6.08095E-06	56.20140839	5.52009E-05	0.000330192	0.000574428	0.003395213
2089 Sep	494.9539185	0.159836784	0.196881741	0.004256821	37.16067886	0.037911475	196.2361908	0.000836153	0.000836153	6.25815E-06	0.009893259	0.003811206	0.2337797114	0.019918619	6.09448E-06	56.65597916	5.5681E-05	0.000331098	0.000578183	0.003426966
2089 Oct	496.5948486	0.158384711	0.194153786	0.004204172	36.74168015	0.037737422	197.1666412	0.000830874	0.000830874	6.24946E-06	0.009905017	0.003824523	0.235197216	0.019785788	6.0787E-06	56.7582283	5.58184E-05	0.000330073	0.000577985	0.003437943
2089 Nov	497.128479	0.158277586	0.193902478	0.004199636	36.70889282	0.037731558	197.416153	0.000830537	0.000830537	6.25138E-06	0.009911509	0.003828365	0.235532373	0.019775305	6.07961E-06	56.80389023	5.58683E-05	0.000330074	0.000578249	0.003441414
2089 Dec	497.4867554	0.158260539	0.193880066	0.004199136	36.70423126	0.037727162	197.5738373	0.000830434	0.000830434	6.25308E-06	0.009915146	0.003830986	0.23574163	0.019775018	6.08078E-06	56.8367424	5.5903E-05	0.000330154	0.000578547	0.00344366
2090 Jan	497.5531616	0.158260211	0.193878397	0.004199101	36.70402145	0.037727047	197.6025848	0.000830433	0.000830433	6.25347E-06	0.009915918	0.003831485	0.235779479	0.019775558	6.08107E-06	56.84319305	5.59096E-05	0.000330175	0.00057861	0.003444087
2090 Feb	497.571167	0.158265397	0.19388403	0.004199224	36.70526123	0.037728216	197.6095734	0.000830462	0.000830462	6.2537E-06	0.009916267	0.003831633	0.235787943	0.019776568	6.08129E-06	56.84543228	5.59116E-05	0.00033019	0.000578636	0.003444215
2090 Mar	497.6278992	0.158282757	0.193904907	0.004199676	36.70931244	0.037732311	197.6320801	0.000830554	0.000830554	6.2544E-06	0.009917381	0.003832074	0.235814914	0.019778939	6.08197E-06	56.85199356	5.5918E-05	0.000330228	0.000578705	0.003444609
2090 Apr	497.8207397	0.158344254	0.193979993	0.004201303	36.72358322	0.037746951	197.7085571	0.000830877	0.000830877	6.25683E-06	0.00992123	0.003833562	0.235906169	0.01978673	6.08433E-06	56.87410355	5.59396E-05	0.000330357	0.000578931	0.003445945
2090 May	499.9841003	0.158307835	0.193888351	0.004199801	36.72645569	0.037739038	198.6322327	0.000831152	0.000831152	6.27056E-06	0.009946995	0.003849981	0.237103701	0.019824985	6.09524E-06	57.09712982	5.6158E-05	0.000331228	0.000581287	0.003459994
2090 Jun	499.5352783	0.154799595	0.189392343	0.004120802	36.37003708	0.037091937	198.6306458	0.000823722	0.000823722	6.22498E-06	0.009881373	0.003835007	0.236652583	0.019791434	6.05162E-06	57.07115173	5.60698E-05	0.000330055	0.000581886	0.003451844
2090 Jul	500.9953918	0.154798567	0.189505294	0.00412775	36.44517136	0.037211694	199.2846527	0.00082692	0.00082692	6.24525E-06	0.009913823	0.003843677	0.237298906	0.019798769	6.07266E-06	57.21641159	5.62565E-05	0.000330578	0.000582639	0.003461369
2090 Aug	502.636261	0.153279185	0.187342286	0.004087461	36.11071014	0.037178982	200.1915588	0.000824868	0.000824868	6.25093E-06	0.009922026	0.003859212	0.238603726	0.01971635	6.07245E-06	57.35174942	5.63569E-05	0.000330176	0.000582891	0.003472998
2090 Sep	503.917511	0.152433157	0.185796991	0.004061039	35.95806885	0.037154049	200.9523621	0.000820909	0.000820909	6.23737E-06	0.009915039	0.003861024	0.239381298	0.019557366	6.05816E-06	57.4001503	5.63956E-05	0.000328527	0.000581328	0.003478908
2090 Oct	501.1944275	0.15194051	0.184383839	0.004039797	35.88398361	0.037183359	199.9481354	0.000817595	0.000817595	6.20018E-06	0.009868635	0.003829787	0.2377495055	0.019363379	6.02728E-06	57.05351257	5.60362E-05	0.000325329	0.000575587	0.003458961
2090 Nov	500.5869141	0.151790753	0.184010133	0.004034317	35.87084579	0.037186064	199.7445984	0.000816333	0.000816333	6.18847E-06	0.00985406	0.003821212	0.237359911	0.019299246	6.01751E-06	56.96504974	5.59436E-05	0.000324337	0.00057396	0.003453963
2090 Dec	501.0791321	0.151759416	0.183968678	0.004033398	35.86234283	0.037178129	199.9620361	0.00081615	0.00081615	6.19066E-06	0.009858884	0.003824813	0.237650245	0.019297993	6.01892E-06	57.00973129	5.5991E-05	0.000324438	0.000574365	0.003457042
2091 Jan	501.2620544	0.151746243	0.183951348	0.004033011	35.85892487	0.037174653	200.0428314	0.000816075	0.000816075	6.19144E-06	0.009860616	0.003826155	0.237758279	0.019297685	6.01941E-06	57.02644348	5.60085E-05	0.000324477	0.00057452	0.003458186
2091 Feb	501.3086243	0.151743576	0.183947325	0.004032921	35.85830307	0.03717383	200.0630646	0.00081606	0.00081606	6.19166E-06	0.00986107	0.003826506	0.237785235	0.01929806	6.01955E-06	57.0309639	5.6013E-05	0.000324491	0.000574566	0.003458482
2091 Mar	501.4056091	0.151771694	0.183980897	0.004033657	35.86497116	0.037180658	200.1017609	0.000816213	0.000816213	6.19283E-06	0.009862946	0.003827252	0.237831473	0.019301912	6.02069E-06	57.04207993	5.60238E-05	0.000324554	0.000574681	0.003459153
2091 Apr	501.7782898	0.151884735	0.184117615	0.004036655	35.89169693	0.037208319	200.2503815	0.000816821	0.000816821	6.19744E-06	0.009870285	0.003830101	0.238008082	0.019316431	6.02517E-06	57.0845871	5.60655E-05	0.000324797	0.00057511	0.003461726
2091 May	501.5370178	0.151857629	0.183899477	0.004033876	35.92150497	0.037212584	200.0747223	0.000818648	0.000818648	6.20369E-06	0.009876423	0.003830901	0.237755805	0.019425636	6.03197E-06	57.13098526	5.60654E-05	0.000325786	0.000576571	0.003461669
2091 Jun	491.9281921	0.150126696	0.181281462	0.003990606	35.84685516	0.036907688	195.8334198	0.000819259	0.000819259	6.14272E-06	0.009754636	0.003760081	0.231874198	0.019637663	5.98575E-06	56.40084076	5.5144E-05	0.00032511	0.000572761	0.003401307
2091 Jul	495.8443909	0.150668636	0.181964368	0.004007548	35.99870682	0.037099127	197.4733124	0.000823945	0.000823945	6.18478E-06	0.009824638	0.003789473	0.233865038	0.019729445	6.02522E-06	56.81747437	5.55828E-05	0.00032709	0.000576647	0.003427715
2091 Aug	499.5516357	0.149827585	0.180773526	0.003985467	35.8133049	0.037106548	199.2070923	0.000823018	0.000823018	6.20534E-06	0.009862289	0.003818862	0.236166149	0.019699179	6.03892E-06	57.1632309	5.59172E-05	0.000327695	0.000579255	0.003452221
2091 Sep	503.4165955	0.148712248	0.179054618	0.003952165	35.53244019	0.037027307	201.0286102	0.000820256	0.000820256	6.22021E-06	0.009897103	0.003849358	0.238697067	0.01963181	6.04497E-06	57.50246429	5.62563E-05	0.00032803	0.000581649	0.003477152
2091 Oct	505.5710754	0.147927612	0.17759718	0.003924393	35.32182693	0.036928494	202.118866	0.0008163	0.0008163	6.21595E-06	0.009909209	0.003862466	0.240121424	0.019520745	6.03613E-06	57.65219116	5.6431E-05	0.000327236	0.000581927	0.003489971
2091 Nov	505.2008667	0.147642121	0.176908135	0.00391292	35.2577858	0.036915518	202.0398254	0.000814487	0.000814487	6.2039E-06	0.0098978	0.003855697	0.239927784	0.019437408	6.02501E-06	57.57685471	5.63587E-05	0.000326085	0.000580218	0.003486569
2091 Dec	505.5291748	0.147615686	0.176857039	0.003911947	35.2502327	0.036911108	202.1865234	0.000814341	0.000814341	6.20522E-06	0.009901077	0.00385799	0.240121916	0.019434381	6.02581E-06	57.60558319	5.63894E-05	0.000326122	0.000580444	0.003488612
2092 Jan	505.8822021	0.147591695	0.176828817	0.003911306	35.24454498	0.036904342	202.3427124	0.000814182	0.000814182	6.20662E-06	0.009904245	0.003860512	0.240328923	0.019432995	6.02667E-06	57.63729477	5.64228E-05	0.000326187	0.00058073	0.003490793
2092 Feb	505.9709473	0.147590056	0.176826417	0.003911249	35.24427414	0.03690362	202.3812103	0.000814168	0.000814168	6.20708E-06	0.009905157	0.00386116	0.240379199	0.01943359	6.027E-06	57.64582825	5.64314E-05	0.000326212	0.000580814	0.003491354
2092 Mar	506.0829468	0.147622541	0.176864758	0.003912097	35.25206757	0.036911681	202.4258575	0.000814349	0.000814349	6.20845E-06	0.009907347	0.003862022	0.240432292	0.019438168	6.02833E-06	57.65876007	5.64439E-05	0.000326286	0.000580947	0.003492131
2092 Apr	506.3944397	0.147713661	0.176973596	0.003914505	35.27384567	0.036934432	202.5503235	0.000814852	0.000814852	6.21229E-06	0.009913455	0.003864405	0.240580127	0.019450329	6.03205E-06	57.69437408	5.64787E-05	0.000326489	0.000581308	0.003494283
2092 May	507.8754272	0.147447616	0.176462337	0.003905557	35.26340866	0.036870789	203.1371307	0.000815464	0.000815464	6.22303E-06	0.009931277	0.003877174	0.241326571	0.019558944	6.04061E-06	57.89994812	5.66367E-05	0.000327796	0.000584362	0.003504658
2092 Jun	496.2732239	0.144654542	0.173024476	0.003849033	35.16388702	0.036311835	198.2208862	0.000810126	0.000810126	6.11272E-06	0.00973141	0.00377585	0.234052181	0.019584758	5.95258E-06	56.88412094	5.54328E-05	0.000324239	0.000576479	0.003424736
2092 Jul	496.8320007	0.144083619	0.17260015	0.003845428	35.1463623	0.036324728	198.594696	0.000810508	0.000810508	6.11389E-06	0.009737664	0.003773954	0.234251231	0.019488152	5.95581E-06	56.89080811	5.55073E-05	0.000323439	0.000575202	0.003426493
2092 Aug	502.719635	0.14427267	0.172776565	0.003850563	35.19689941	0.03644608	201.1469116	0.000812644	0.000812644	6.15757E-06	0.00981571	0.003818138	0.237499073	0.019553171	5.99261E-06	57.47922897	5.60999E-05	0.000325525	0.000580609	0.003465085
2092 Sep	510.532196	0.14343828	0.17156814	0.00382564	34.97702408	0.036332853	204.6642151	0.000809217	0.000809217	6.19132E-06	0.009891508	0.00387603	0.242195919	0.019507237	6.01293E-06	58.18676758	5.68418E-05	0.000326919	0.000586691	0.003514442
2092 Oct	515.8795776	0.142702922	0.170377836	0.003800944	34.76033401	0.036203071	207.0976563	0.000805655	0.000805655	6.20998E-06	0.009942266	0.003915743	0.245496169	0.019450782	6.02134E-06	58.65738297	5.7353E-05	0.000327578	0.00059064	0.003548232
2092 Nov	517.9036255	0.14247635	0.170021564	0.00379347	34.69381332	0.036159102	208.0082245	0.000804517	0.000804517	6.21778E-06	0.009961778	0.003930704	0.246728078	0.019434733	6.02544E-06	58.8371048	5.75469E-05	0.00032788	0.00059219	0.003560985
2092 Dec	518.121521	0.142470926	0.170012906	0.003793281	34.69200134	0.036157768	208.1034546	0.000804484	0.000804484	6.21895E-06	0.009964166	0.003932305	0.246854037	0.019435097	6.02629E-06	58.85741043	5.75683E-05	0.000327934	0.000592377	0.003562367
2093 Jan	518.2574463	0.142461225	0.1700003	0.003792996	34.68943024	0.036155153	208.1634369	0.000804427	0.000804427	6.21953E-06	0.009965447	0.003933299	0.246934384	0.019434793	6.02664E-06	58.86977768	5.75813E-05	0.000327962	0.000592492	0.003563217
2093 Feb	518.3143311	0.14246121	0.169999719	0.003792981	34.68942261	0.036155012	208.1879272	0.000804426	0.000804426	6.21986E-06	0.00996609	0.003933724	0.246966466	0.019435383	6.02689E-06	58.87537003	5.75869E-05	0.00032798	0.000592548	0.003563582
2093 Mar	518.5783691	0.142500117	0.170046031	0.003794008	34.69883347	0.036164708	208.2978516	0.000804643	0.000804643	6.22227E-06	0.009970191	0.003935698	0.247103274	0.019441411	6.02908E-06	58.9031601	5.76147E-05	0.000328105	0.000592821	0.003565336
2093 Apr	518.9369507	0.142592907	0.170156568	0.003796473	34.72142029	0.036188204	208.4425049	0.000805166	0.000805166	6.22644E-06	0.00997692	0.003938417	0.247276008	0.019454267	6.03309E-06	58.94356155	5.76543E-05	0.000328326	0.000593227	0.003567792
2093 May	519.838501	0.142391875	0.169700742	0.003788252	34.6988678	0.036148641	208.7756805	0.000806235	0.000806235	6.23721E-06	0.009993786	0.003948429	0.247744381	0.019562373	6.04184E-06	59.09582901	5.77672E-05	0.000329587	0.000595778	0.003575084
2093 Jun	508.9981079	0.140674844	0.167235717	0.003746282	34.57884598	0.035836212	204.0619965	0.000805869	0.000805869	6.16539E-06	0.009856043	0.003868087	0.241254926	0.019708445	5.98622E-06	58.21533966	5.67282E-05	0.00032809	0.000589999	0.003506223
2093 Jul	511.4942932	0.14085798	0.167527214	0.003755744	34.66834259	0.035985887	205.1458435	0.000809271	0.000809271	6.19324E-06	0.009900791	0.003885842	0.242490038	0.019748973	6.01312E-06	58.4753418	5.70073E-05	0.000329114	0.000592086	0.003523047
2093 Aug	516.0582886	0.140877321	0.167511046	0.00375713	34.68427658	0.036090922	207.144043	0.000811043	0.000811043	6.22805E-06	0.009961328	0.003920566	0.245026574	0.019795239	6.04236E-06	58.93197632	5.74641E-05	0.000330636	0.000596213	0.003553352
2093 Sep	520.2053223	0.140323997	0.16650784	0.003737273	34.51639938	0.036047265	209.050827	0.000808998	0.000808998	6.24578E-06	0.010006038	0.003951889	0.247569174	0.019758541	6.05235E-06	59.30896378	5.78654E-05	0.000331259	0.000599245	0.003580197
2093 Oct	520.0971069	0.139103994	0.164085656	0.00369028	34.13039017	0.035906158	209.2246399	0.000803616	0.000803616	6.22582E-06	0.009997054	0.003950838	0.247953638	0.019591531	6.02772E-06	59.22803879	5.78201E-05	0.000329412	0.000597027	0.003579697
2093 Nov	520.0975342	0.138870865	0.16344814	0.003679242	34.05386734	0.035898112	209.2884674	0.000802252	0.000802252	6.2193E-06	0.009994602	0.003948478	0.2480115	0.019525675	6.02088E-06	59.19610977	5.7796E-05	0.000328593	0.000595907	0.003579227
2093 Dec	520.3586426	0.138861597	0.163432524	0.003678911	34.05078506	0.035896044	209.4028168	0.000802202	0.000802202	6.22067E-06	0.009997446	0.003950396	0.248163566	0.019525742	6.02184E-06	59.22025299	5.78215E-05	0.000328653	0.000596126	0.003580883
2094 Jan	520.5508423	0.138849482	0.163416773	0.003678554	34.04754639	0.035892732	209.4874573	0.000802129	0.000802129	6.22152E-06	0.009999296	0.003951801	0.248276711	0.01952545	6.02237E-06	59.2378273	5.784E-05	0.000328693	0.00059629	0.003582089
2094 Feb	520.604248	0.138847873	0.163414031	0.00367849	34.04715729	0.03589214	209.5105133	0.00080212	0.00080212	6.2218E-06	0.009999853	0.003952202	0.248307243	0.019525956	6.02257E-06	59.24305725	5.78452E-05	0.00032871	0.000596343	0.003582431
2094 Mar	520.6931152	0.13887088	0.163440585	0.003679089	34.0528183	0.035898022	209.5462036	0.000802254	0.000802254	6.22285E-06	0.01000154	0.003952883	0.248349711	0.019529462	6.02358E-06	59.25328064	5.7855E-05	0.000328767	0.000596449	0.003583044
2094 Apr	520.9274292	0.138933614	0.163514137	0.003680745	34.06821823	0.035914205	209.6403961	0.000802617	0.000802617	6.22566E-06	0.01000605	0.003954667	0.248461321	0.019538429	6.0263E-06	59.280056	5.78811E-05	0.000328917	0.00059672	0.003584659
2094 May	521.1330566	0.138544843	0.162874579	0.003669335	34.05888367	0.035808969	209.6842651	0.000802441	0.000802441	6.22376E-06	0.010001191	0.003956551	0.248427585	0.019643806	6.02447E-06	59.36857986	5.78982E-05	0.000329766	0.000598799	0.003586268
2094 Jun	518.6379395	0.137701944	0.161622465	0.003649448	34.0802269	0.035634402	208.5500336	0.000802983	0.000802983	6.20407E-06	0.009960894	0.003936222	0.246584147	0.019822249	6.01105E-06	59.2650795	5.76618E-05	0.000330509	0.000599877	0.003570279

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2094 Jul	523.6357422	0.138141021	0.162133381	0.003662813	34.20233154	0.03582646	210.6740723	0.000807498	0.000807498	6.25247E-06	0.01004266	0.003974466	0.249218985	0.019924268	6.05479E-06	59.79125977	5.82037E-05	0.000332798	0.000604866	0.003604065
2094 Aug	531.1784668	0.138601556	0.162659347	0.003675479	34.32009506	0.03599494	213.900589	0.000810992	0.000810992	6.31116E-06	0.010146035	0.004030732	0.253314018	0.020028716	6.10505E-06	60.5513649	5.89724E-05	0.000335622	0.000612047	0.003653585
2094 Sep	535.8087769	0.137995005	0.161537006	0.003653154	34.12857056	0.035938911	216.023056	0.000808639	0.000808639	6.33094E-06	0.010196344	0.004065689	0.256165326	0.019984584	6.11584E-06	60.96883392	5.94213E-05	0.000336269	0.000615407	0.003683568
2094 Oct	539.0842285	0.136894256	0.159564734	0.003613199	33.77996826	0.035776839	217.6183777	0.000803769	0.000803769	6.33415E-06	0.010225234	0.004091236	0.258463293	0.019872775	6.10934E-06	61.22530365	5.97255E-05	0.000335879	0.000616981	0.003704788
2094 Nov	540.9014282	0.135917827	0.157701716	0.003575961	33.45527649	0.035636306	218.5432434	0.000799776	0.000799776	6.33285E-06	0.01024258	0.0041066	0.259917736	0.019771015	6.10034E-06	61.34899521	5.98902E-05	0.000335251	0.000617392	0.003717029
2094 Dec	541.1629639	0.135847837	0.157574147	0.00357338	33.43254471	0.03562513	218.6663513	0.000799471	0.000799471	6.33342E-06	0.010245093	0.004108632	0.260095745	0.019764168	6.10019E-06	61.37009048	5.99147E-05	0.00033524	0.000617539	0.003718718
2095 Jan	541.4483032	0.135829389	0.157551125	0.003572852	33.4276619	0.03562003	218.7921143	0.000799357	0.000799357	6.33467E-06	0.010247799	0.004110707	0.26026386	0.01976349	6.10096E-06	61.3960228	5.99421E-05	0.000335297	0.00061778	0.003720503
2095 Feb	541.4920044	0.13582927	0.157549918	0.003572824	33.42765427	0.035619814	218.8107147	0.000799358	0.000799358	6.33493E-06	0.010248291	0.004111042	0.260288328	0.01976423	6.10115E-06	61.40049744	5.99464E-05	0.000335314	0.000617828	0.003720788
2095 Mar	541.5863647	0.135840103	0.157561988	0.003573096	33.43032837	0.035622537	218.850174	0.000799422	0.000799422	6.33573E-06	0.010249687	0.004111751	0.260337889	0.01976634	6.10187E-06	61.41043472	5.99562E-05	0.000335357	0.000617927	0.003721414
2095 Apr	541.8950806	0.135917366	0.157651246	0.00357512	33.44935608	0.035642747	218.9748535	0.000799877	0.000799877	6.33934E-06	0.010255525	0.004114099	0.260486275	0.01977776	6.10535E-06	61.44553757	5.99903E-05	0.00033555	0.000618283	0.003723537
2095 May	539.1112061	0.13560456	0.15698722	0.003563334	33.43038559	0.035580758	217.6908722	0.000801287	0.000801287	6.32915E-06	0.010230334	0.004097936	0.258800805	0.019920031	6.09845E-06	61.28310394	5.9745E-05	0.000336238	0.000618448	0.003707822
2095 Jun	535.0647583	0.135220468	0.156174049	0.003550868	33.45288849	0.035530768	215.8279572	0.000804409	0.000804409	6.3171E-06	0.010197544	0.004072731	0.256237626	0.020129295	6.0928E-06	61.05049133	5.94005E-05	0.00033728	0.000618505	0.003684649
2095 Jul	539.27948	0.135810524	0.156850114	0.003567878	33.61234665	0.03576507	217.5939484	0.000809622	0.000809622	6.36349E-06	0.010272331	0.00410544	0.258378744	0.020247458	6.13612E-06	61.51341629	5.98598E-05	0.000339483	0.000622971	0.003713818
2095 Aug	541.4210815	0.135042831	0.155849099	0.00354908	33.44560623	0.035774738	218.6524048	0.000808616	0.000808616	6.3743E-06	0.010290706	0.004122889	0.259772569	0.020203702	6.14216E-06	61.70498657	6.00427E-05	0.000339497	0.000624173	0.00372839
2095 Sep	545.3395996	0.134426594	0.154916972	0.00353098	33.2876091	0.035751745	220.443985	0.000807173	0.000807173	6.39371E-06	0.010330327	0.004152741	0.262187392	0.020167945	6.1539E-06	62.06066513	6.04026E-05	0.000340122	0.000626967	0.003753635
2095 Oct	549.2436523	0.134041131	0.154301912	0.003518065	33.17189407	0.035684265	222.2036591	0.00080516	0.00080516	6.40939E-06	0.010368773	0.004181313	0.26454252	0.020136978	6.16246E-06	62.40898132	6.07783E-05	0.000340692	0.000629946	0.003778321
2095 Nov	550.6115723	0.13355206	0.153344676	0.003498967	33.0043869	0.035614666	222.8659058	0.000803137	0.000803137	6.4115E-06	0.010383233	0.004192341	0.265538514	0.020084966	6.15991E-06	62.51257706	6.09062E-05	0.000340468	0.000630507	0.003787407
2095 Dec	550.9095459	0.133488566	0.153214589	0.003496391	32.98176193	0.035605896	223.0035248	0.000802886	0.000802886	6.41258E-06	0.01038668	0.00419468	0.265737534	0.020078829	6.16018E-06	62.53743744	6.09348E-05	0.000340472	0.000630685	0.003789371
2096 Jan	551.2029419	0.133468941	0.153190091	0.003495829	32.9765625	0.035600416	223.1328583	0.000802765	0.000802765	6.41384E-06	0.010389432	0.004196807	0.265910566	0.02007799	6.16094E-06	62.56402206	6.09628E-05	0.000340528	0.000630931	0.003791204
2096 Feb	551.2792969	0.133472711	0.15319325	0.0034959	32.9775238	0.035601206	223.1651611	0.000802789	0.000802789	6.41438E-06	0.010390414	0.004197386	0.26595214	0.020079458	6.16139E-06	62.57194138	6.09705E-05	0.00034056	0.000631013	0.003791706
2096 Mar	551.3394165	0.133487523	0.153209582	0.003496273	32.98121643	0.035605069	223.189209	0.000802879	0.000802879	6.41509E-06	0.010391557	0.004197853	0.26598084	0.02008203	6.16207E-06	62.57899857	6.09772E-05	0.0003406	0.000631088	0.003792124
2096 Apr	551.6325684	0.13355884	0.153291047	0.003498133	32.99885559	0.035624042	223.3077393	0.000803309	0.000803309	6.41852E-06	0.010397094	0.004200092	0.266122043	0.020092946	6.16536E-06	62.61242294	6.10096E-05	0.000340784	0.000631428	0.003794144
2096 May	555.2850952	0.133149132	0.152661234	0.003485236	32.92131805	0.035513747	224.8698883	0.000802504	0.000802504	6.4376E-06	0.010434637	0.004228774	0.268230736	0.020161485	6.17763E-06	62.99322891	6.13745E-05	0.000342225	0.000635857	0.00381795
2096 Jun	546.2982788	0.130443975	0.149847373	0.003437016	32.64907074	0.034966677	221.1965027	0.000797135	0.000797135	6.34972E-06	0.010285778	0.004147653	0.262884557	0.019985046	6.10522E-06	62.08758545	6.04972E-05	0.000338025	0.000626814	0.003753381
2096 Jul	547.4840698	0.130663812	0.150387019	0.003452918	32.80078506	0.035123244	221.7609711	0.000800309	0.000800309	6.3643E-06	0.010309368	0.004150125	0.263209879	0.019965829	6.12354E-06	62.19417953	6.06428E-05	0.000338121	0.000626701	0.003759702
2096 Aug	552.6026001	0.131064206	0.150799558	0.003463542	32.90532684	0.035292581	223.9441833	0.000803737	0.000803737	6.40858E-06	0.010385112	0.004188689	0.265943736	0.020055277	6.1625E-06	62.72502899	6.11696E-05	0.000340262	0.00063169	0.003793807
2096 Sep	555.000061	0.130341426	0.149456784	0.003437018	32.67682648	0.035241764	225.1188507	0.000801148	0.000801148	6.41505E-06	0.010410134	0.004207722	0.267582804	0.019986177	6.16229E-06	62.92627716	6.1392E-05	0.000340151	0.000632879	0.003809829
2096 Oct	555.5482788	0.129221976	0.147117257	0.003390797	32.27528	0.035108201	225.5327148	0.000796543	0.000796543	6.40515E-06	0.010416931	0.004214304	0.268420786	0.01984665	6.14501E-06	62.91779709	6.14297E-05	0.000338823	0.000631688	0.003814594
2096 Nov	555.6311646	0.129114285	0.146765128	0.003384432	32.22356415	0.035109553	225.589859	0.000796204	0.000796204	6.40498E-06	0.010420704	0.004215037	0.268529713	0.019826004	6.14393E-06	62.91689682	6.14352E-05	0.000338603	0.0006314	0.00381542
2096 Dec	555.8702393	0.129099876	0.146746159	0.003384004	32.21944427	0.03510575	225.6952515	0.000796115	0.000796115	6.40606E-06	0.010423042	0.004216769	0.268670827	0.019825134	6.1446E-06	62.93845367	6.14582E-05	0.000338647	0.000631595	0.003816918
2097 Jan	555.9945679	0.129091054	0.146734759	0.003383743	32.2170639	0.035103265	225.7500305	0.000796061	0.000796061	6.40658E-06	0.010424197	0.004217674	0.268744379	0.019824784	6.14491E-06	62.94971848	6.147E-05	0.000338671	0.0006317	0.003817697
2097 Feb	556.0131836	0.12909013	0.146732986	0.003383702	32.2168541	0.035102885	225.7579498	0.000796056	0.000796056	6.40668E-06	0.010424376	0.004217818	0.268755019	0.019825129	6.14497E-06	62.9516449	6.14718E-05	0.000338678	0.000631722	0.003817818
2097 Mar	556.0678101	0.12910305	0.146747246	0.003384031	32.22009659	0.035106342	225.7799835	0.000796136	0.000796136	6.40732E-06	0.010425409	0.00421824	0.268781245	0.019827323	6.14558E-06	62.95798874	6.14779E-05	0.000338713	0.000631788	0.003818196
2097 Apr	556.4512939	0.129192293	0.146848455	0.003386365	32.24237823	0.035130579	225.9355927	0.000796687	0.000796687	6.41174E-06	0.010432607	0.004221153	0.268966496	0.019841149	6.14983E-06	63.00149918	6.15203E-05	0.000338948	0.000632226	0.003820832
2097 May	556.2108154	0.129225388	0.146714106	0.003384838	32.26909256	0.035149418	225.7626953	0.000798675	0.000798675	6.41936E-06	0.010441172	0.004222587	0.26873973	0.019947803	6.15776E-06	63.04655075	6.1526E-05	0.000339966	0.000633635	0.003821004
2097 Jun	547.5525513	0.128497973	0.145597801	0.003367005	32.26417923	0.035012856	221.9317627	0.000800802	0.000800802	6.37346E-06	0.010346421	0.004161099	0.263507336	0.020117886	6.12557E-06	62.36884689	6.07222E-05	0.000339483	0.000629481	0.003767104
2097 Jul	551.5925903	0.128885433	0.146060482	0.003379751	32.38302612	0.035199899	223.6451416	0.000805226	0.000805226	6.41548E-06	0.010415558	0.004191667	0.265591025	0.020206155	6.16429E-06	62.79853821	6.11636E-05	0.00034136	0.000633471	0.003794587
2097 Aug	555.1778564	0.128965944	0.146106198	0.00338266	32.41508102	0.035322476	225.209549	0.000807407	0.000807407	6.44618E-06	0.010466964	0.004219153	0.267547637	0.020255422	6.19081E-06	63.16736984	6.15262E-05	0.000342679	0.000636805	0.003818811
2097 Sep	558.4556274	0.128883228	0.145886078	0.003378893	32.38694382	0.035359487	226.6663055	0.000807572	0.000807572	6.4667E-06	0.010507447	0.004243555	0.269420832	0.020265954	6.2065E-06	63.48497391	6.18512E-05	0.000343571	0.00063958	0.003840223
2097 Oct	559.3956299	0.128455088	0.14501372	0.003361507	32.23539352	0.03531282	227.1513062	0.000805739	0.000805739	6.4668E-06	0.010517807	0.004251341	0.270148098	0.020215416	6.20283E-06	63.55261993	6.19391E-05	0.000343268	0.000639788	0.003846712
2097 Nov	559.538269	0.12822111	0.144544423	0.003352123	32.15316772	0.035284325	227.2526093	0.000804727	0.000804727	6.46464E-06	0.010519002	0.004252887	0.270336986	0.020186089	6.19911E-06	63.55366135	6.19498E-05	0.000342999	0.000639577	0.00384786
2097 Dec	559.6416016	0.128169328	0.144453064	0.003350244	32.13642883	0.035276212	227.3060455	0.000804473	0.000804473	6.46439E-06	0.010519641	0.004253694	0.270417422	0.02017976	6.19845E-06	63.56040955	6.19588E-05	0.000342957	0.000639598	0.003848527
2098 Jan	559.8569336	0.128155127	0.144434735	0.003349822	32.13257217	0.035272166	227.4008026	0.000804384	0.000804384	6.46532E-06	0.010521664	0.004255257	0.270544469	0.02017922	6.199E-06	63.57997513	6.19793E-05	0.000342998	0.000639781	0.003849877
2098 Feb	559.8918457	0.128155261	0.144433618	0.003349797	32.13264847	0.035271991	227.4154663	0.000804386	0.000804386	6.46554E-06	0.010522062	0.004255529	0.270563751	0.020180047	6.19916E-06	63.58369446	6.19828E-05	0.000343013	0.000639824	0.003850107
2098 Mar	559.9262695	0.128163785	0.144442528	0.003350004	32.1348114	0.035274234	227.4291687	0.000804441	0.000804441	6.46596E-06	0.010522731	0.004255802	0.270579994	0.020181738	6.19957E-06	63.587883	6.19866E-05	0.000343038	0.00063987	0.00385035
2098 Apr	560.0632324	0.128212541	0.144476578	0.003350816	32.14805222	0.03528516	227.4765167	0.000804786	0.000804786	6.46816E-06	0.010525892	0.004257173	0.270633638	0.0201998	6.20172E-06	63.61159515	6.20026E-05	0.000343242	0.000640229	0.003851471
2098 May	555.5030518	0.127737239	0.143399969	0.003330359	32.09128952	0.035164367	225.3502808	0.000806793	0.000806793	6.45208E-06	0.010485346	0.004232681	0.267962545	0.020441314	6.18974E-06	63.34622955	6.15999E-05	0.000344492	0.000640756	0.00382621
2098 Jun	538.7258301	0.12655592	0.141934216	0.003306211	32.11807251	0.034877799	218.0808868	0.000805579	0.000805579	6.33476E-06	0.010262575	0.004103672	0.257836819	0.020559732	6.10149E-06	61.90174484	5.99342E-05	0.000341155	0.000629489	0.003717078
2098 Jul	542.3184814	0.127177551	0.14269717	0.003325651	32.30288696	0.035106722	219.5796204	0.000810946	0.000810946	6.37666E-06	0.010330632	0.004129911	0.259561837	0.020663111	6.14209E-06	62.2985611	6.034E-05	0.000343108	0.000633145	0.003741515
2098 Aug	545.6533203	0.126659691	0.141967237	0.003312371	32.18624496	0.035155017	221.1223145	0.000810727	0.000810727	6.39757E-06	0.010367199	0.004155795	0.261577874	0.020642038	6.15685E-06	62.61262894	6.06453E-05	0.0003437	0.000635535	0.003763693
2098 Sep	546.9646606	0.125414491	0.139832884	0.003269696	31.80588722	0.035036925	221.904892	0.000805735	0.000805735	6.38945E-06	0.010370343	0.00416654	0.262817204	0.020482734	6.14095E-06	62.66742325	6.07261E-05	0.000342404	0.000634714	0.003772342
2098 Oct	548.3581543	0.124912202	0.138708323	0.003248608	31.63256073	0.03497396	222.691452	0.000801002	0.000801002	6.37485E-06	0.010367892	0.004169208	0.263744175	0.0202951	6.1236E-06	62.69961548	6.07916E-05	0.000340444	0.000632958	0.003778802
2098 Nov	548.3346558	0.124900237	0.138569549	0.003246912	31.62724495	0.034981463	222.7417755	0.000799651	0.000799651	6.36596E-06	0.01035941	0.004164368	0.263681501	0.020222427	6.11594E-06	62.6582222	6.07543E-05	0.000339498	0.000631633	0.003777169
2098 Dec	548.5962524	0.12488953	0.138552547	0.003246544	31.62371445	0.034978949	222.8564758	0.000799589	0.000799589	6.3673E-06	0.010362193	0.004166273	0.263834447	0.020222045	6.11683E-06	62.68217468	6.07798E-05	0.000339552	0.00063185	0.003778827
2099 Jan	548.7683105	0.124879912	0.138540313	0.00324626	31.62107658	0.034976162	222.9319611	0.000799527	0.000799527	6.36808E-06	0.010363854	0.004167518	0.263935328	0.020221742	6.11731E-06	62.69786453	6.07962E-05	0.000339586	0.000631997	0.003779908
2099 Feb	548.8795776	0.124875702	0.138534933	0.003246131	31.62000656	0.034974776	222.9804535	0.0007995	0.0007995	6.36863E-06	0.010364968	0.00416833	0.263999581	0.02022206	6.11768E-06	62.70833206	6.0807E-05	0.000339613	0.000632099	0.003780612
2099 Mar	549.0106201	0.124903902	0.138565764	0.003246854	31.62716293	0.034982596	223.0337067	0.000799681	0.000799681	6.37012E-06	0.010367389	0.004169329	0.26406306	0.020226903	6.11909E-06	62.72331619	6.08214E-05	0.000339693	0.000632252	0.003781514
2099 Apr	549.4651489	0.125022069	0.138660401	0.003249108	31.65879822	0.035011124	223.2057495	0.000800499	0.000800499	6.37606E-06	0.010376466	0.004173344	0.264265269	0.020264678	6.12479E-06	62.78841019	6.08723E-05	0.000340162	0.000633118	0.003784927
2099 May	539.6966553	0.124845944	0.137774438	0.003232715	31.8142662	0.03482106	218.6854706	0.000802372	0.000802372	6.3184E-06	0.010250906	0.00410811	0.258061707	0.020724962	6.08346E-06	62.17967224	5.9888E-05	0.000341596	0.000632889	0.003726037
2099 Jun	534.4257202	0.124600425	0.137727693	0.003235111	31.93057251	0.034764223	216.4595947	0.000801896	0.000801896	6.27448E-06	0.010170355	0.004060822	0.254602492	0.020729292	6.053E-06	61.71271133	5.93484E-05	0.00034006	0.000628554	0.003689452
2099 Jul	538.9015503	0.12488462	0.138064861	0.003245064	32.02443314	0.034929093	218.3779755	0.000805751	0.000805751	6.31681E-06	0.010241622	0.0040944	0.256960362	0.020807993	6.09098E-06	62.17859268	5.9829E-05	0.000341923	0.000632857	0.003719582
2099 Aug	543.7052612	0.125016272	0.138102695	0.003248436	32.0667572	0.035093486	220.4692993	0.000808584	0.000808584	6.3576E-06	0.010310801	0.004130996	0.259586364	0.020872604	6.12593E-06	62.67381287	6.03122E-05	0.000343753	0.000637299	0.003751836
2099 Sep	545.1657715	0.124134615	0.136685804	0.003220036	31.80817223	0.035026405	221.2462006	0.000805539	0.000805539	6.35757E-06	0.010319698	0.004143172	0.260763764	0.020772776	6.11955E-06	62.76966476	6.04224E-05	0.000343151	0.000637345	0.003761532
2099 Oct	546.3615723	0.123473376	0.135374069	0.003193566	31.56838608	0.034940112	221.885025	0.000802304	0.000802304	6.35461E-06	0.010330448	0.004152675	0.26176554	0.020673214	6.11076E-06	62.83495712	6.05264E-05	0.000342384	0.000637168	0.003769571
2099 Nov	546.8070068	0.123188585	0.134817392	0.003182468	31.46855545	0.034898017	222.1452789	0.000800428	0.000800428	6.34983E-06	0.010330482	0.004154704	0.262138546	0.020607697	6.104E-06	62.84315872	6.05525E-05	0.000341746	0.000636651	0.003771989
2099 Dec	546.9786377	0.123185165	0.134809822	0.003182313	31.46707726	0.034897387	222.2200012	0.000800412	0.000800412	6.3508E-06	0.010332445	0.004155959	0.262237728	0.020607922	6.10469E-06	62.85915375	6.05693E-05	0.000341787	0.000636798	0.003773087
2100 Jan	547.2506714	0.123165883	0.134787396	0.003181783	31.46191406	0.034891762	222.3400421	0.000800284	0.000800284	6.35192E-06	0.010334902	0.004157909	0.262398899	0.020606523	6.10531E-06	62.88341522	6.05951E-05	0.000341831	0.000637021	0.003774781
2100 Feb	547.3392334	0.123160787	0.134781107	0.003181632	31.46060944	0.034890126	222.3787537	0.000800251	0.000800251	6.35231E-06	0.010335728	0.004158552	0.262450665	0.020606564	6.10555E-06	62.89160919	6.06036E-05	0.000341849	0.000637101	0.003775338
2100 Mar	547.3670654	0.123166598	0.134787008	0.003181772	31.46211052	0.034891699	222.3899384	0.000800289	0.000800289	6.35263E-06	0.010336237	0.004158769	0.262464017	0.020607779	6.10585E-06	62.89490128	6.06066E-05	0.000341868	0.000637136	0.003775532
2100 Apr	547.7863159	0.123261184	0.134890258	0.003184209	31.48628044	0.03491845	222.5601654	0.000800904	0.000800904	6.3575E-06	0.010344162	0.004161959	0.262664884	0.020623732	6.11053E-06	62.9431839	6.06531E-05	0.000342131	0.000637627	0.003778426
2100 May	547.5187988	0.1227694	0.134002835	0.003166957	31.4264698	0.03476717	222.3315735	0.000801592	0.000801592	6.35993E-06	0.01034302	0.004165117	0.262444347	0.020803083	6.1112E-06	63.03089142	6.06539E-05	0.000343689	0.000640721	0.003778744
2100 Jun	533.3319092	0.122062609	0.133563355	0.003163503	31.56645203	0.034545358	216.2235718	0.000800334	0.000800334	6.25339E-06	0.010143477	0.004047944	0.253662586	0.020817012	6.03365E-06	61.75046921	5.92237E-05	0.00033991	0.000629439	0.003683025
2100 Jul	535.5809937	0.121786386	0.133442804	0.003163404	31.55384636	0.034576584	217.3006592	0.000800689	0.000800689	6.26604E-06	0.010169541	0.004060797	0.254860014	0.020762064	6.04481E-06	61.9371109	5.94643E-05	0.000339928	0.000630274	0.0036964
2100 Aug	536.7915649	0.121084981	0.132544547	0.003146668	31.39873505	0.034607939	217.95578	0.000799675	0.000799675	6.27125E-06	0.010175932	0.004070568	0.255728126	0.020695198	6.04639E-06	62.02944183	5.95416E-05	0.000339522	0.000630297	0.003704682
2100 Sep	539.4004517	0.120651379	0.131922141	0.00313492	31.29232025	0.034613598	219.1807556	0.000798268	0.000798268	6.28142E-06	0.01019747	0.004088466	0.257324934	0.020633107	6.05158E-06	62.24704361	5.97586E-05	0.000339488	0.000631502	0.003720874
2100 Oct	541.8335571	0.12049599	0.13161917	0.003128826	31.23765564	0.03459711	220.2862549	0.000797108	0.000797108	6.29091E-06	0.010221748	0.004105153	0.258757591	0.020602422	6.05693E-06	62.45902252	5.99886E-05	0.000339677	0.000633102	0.003736118
2100 Nov	542.260437	0.120512486	0.131617308	0.003128978	31.2401371	0.034605253	220.4775391	0.000797096	0.000797096	6.29308E-06	0.010226687	0.004107846	0.25898838	0.020599293	6.05866E-06	62.49751663	6.0029E-05	0.000339724	0.000633365	0.003738772
2100 Dec	542.5914307	0.120504864	0.131606698	0.003128736	31.23768806	0.03460319	220.6219177	0.000797046	0.000797046	6.29486E-06	0.010230254	0.004110238	0.259178996	0.020599516	6.0599E-06	62.52820969	6.00613E-05	0.000339799	0.000633648	0.003740871
2101 Jan	543.0297852	0.120476924	0.131575361	0.003127985	31.23018074	0.034594912	220.815094	0.000796855	0.000796855	6.29672E-06	0.010234277	0.004113368	0.259437591	0.020597335	6.06097E-06	62.56732941	6.0103E-05	0.000339871	0.000634006	0.003743601
2101 Feb	543.25	0.120462388	0.131559104	0.003127592	31.22636223	0.034590505	220.9120636	0.000796756	0.000796756	6.29764E-06	0.010236264	0.004114942	0.259567469	0.02059637	6.06148E-06	62.58706665	6.01239E-05	0.000339907	0.00063419	0.003744974
2101 Mar	543.2852173	0.120466024	0.13156274	0.003127679	31.22731018	0.034591481	220.9267273	0.00079678	0.00079678	6.29794E-06	0.010236785	0.004115207	0.259585768	0.020597251	6.06175E-06	62.59083557	6.01275E-05	0.000339924	0.000634229	0.003745209
2101 Apr	543.5418701	0.1205201	0.131620914	0.003129062	31.24137306	0.034606922	221.0312347	0.000797139	0.000797139	6.30085E-06	0.010241524	0.00411716	0.259709239	0.020607021	6.06453E-06	62.62045288	6.01558E-05	0.000340084	0.000634533	0.003746978
2101 May	539.6712646	0.12038181	0.131172657	0.003121697	31.27160645	0.034546986	219.2178802	0.00079948	0.00079948	6.28752E-06	0.010206748	0.00409359	0.257327378	0.020794529	6.05666E-06	62.37979889	5.98087E-05	0.000340936	0.000634426	0.003724537

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2101 Jun	530.8762817	0.12004298	0.130974576	0.003121498	31.38706398	0.034433905	215.4137726	0.000799551	0.000799551	6.22462E-06	0.01008762	0.004021632	0.251816273	0.020842494	6.01236E-06	61.61202621	5.89349E-05	0.000338994	0.00062796	0.003665711
2101 Jul	535.0519409	0.120596297	0.131643906	0.003138428	31.55187607	0.03463028	217.1784515	0.000804031	0.000804031	6.26596E-06	0.010157471	0.004051603	0.253890693	0.020937501	6.05121E-06	62.05890656	5.93898E-05	0.000340966	0.000632096	0.003693508
2101 Aug	539.8534546	0.120982043	0.132031903	0.003148695	31.65907097	0.034801058	219.2324371	0.000807434	0.000807434	6.30789E-06	0.010229208	0.004087484	0.256419808	0.021028105	6.08829E-06	62.56394196	5.98872E-05	0.000343003	0.000636878	0.003725651
2101 Sep	542.1575928	0.120262586	0.130822733	0.003124536	31.4362793	0.034760326	220.3538971	0.000805017	0.000805017	6.31536E-06	0.010251028	0.004105776	0.258033156	0.020945784	6.08845E-06	62.74601746	6.00874E-05	0.000342758	0.000637809	0.003740927
2101 Oct	545.206665	0.119843915	0.130053729	0.003108529	31.28666496	0.034695446	221.7494049	0.000802793	0.000802793	6.32644E-06	0.010282136	0.004128397	0.259967178	0.020892275	6.09222E-06	63.00354767	6.03788E-05	0.000342878	0.000639802	0.003760543
2101 Nov	545.6519775	0.11933367	0.129039854	0.003087789	31.09348297	0.0346203	222.0237274	0.000800282	0.000800282	6.32203E-06	0.010285693	0.004132773	0.260501444	0.020813128	6.0834E-06	63.00622177	6.04131E-05	0.000342164	0.000639286	0.003763842
2101 Dec	545.5864258	0.119290411	0.128907815	0.003085273	31.07051468	0.034618303	222.0002594	0.000800165	0.000800165	6.32175E-06	0.010286422	0.004132623	0.260499954	0.020805785	6.08271E-06	62.99668503	6.04073E-05	0.000342075	0.000639127	0.003763617
2102 Jan	545.7910767	0.11927598	0.128890052	0.003084854	31.06649208	0.034614019	222.0903778	0.000800069	0.000800069	6.32261E-06	0.010288285	0.004134095	0.260621428	0.020804822	6.08318E-06	63.01499939	6.04266E-05	0.000342108	0.000639297	0.003764897
2102 Feb	545.8153076	0.119277209	0.128890246	0.003084859	31.06684685	0.034614172	222.100296	0.000800079	0.000800079	6.32279E-06	0.010288598	0.004134289	0.260634333	0.020805709	6.08332E-06	63.01776886	6.04291E-05	0.000342122	0.00063933	0.003765061
2102 Mar	545.8599854	0.119284429	0.128897429	0.003085031	31.06874275	0.03461615	222.1186066	0.000800128	0.000800128	6.32325E-06	0.010289351	0.004134633	0.260656536	0.020807339	6.08375E-06	63.02288818	6.04339E-05	0.000342148	0.000639385	0.003765368
2102 Apr	546.0470581	0.119325593	0.128941551	0.003086088	31.0794754	0.034628037	222.1945496	0.000800404	0.000800404	6.32542E-06	0.010292886	0.004136056	0.260745645	0.020814702	6.08584E-06	63.04462433	6.04546E-05	0.000342267	0.000639608	0.003766662
2102 May	546.9595947	0.119522884	0.129153997	0.003091179	31.13097954	0.034685589	222.5662231	0.000801734	0.000801734	6.33596E-06	0.010310055	0.004142976	0.261181623	0.020849595	6.09598E-06	63.15013885	6.05557E-05	0.000342841	0.000640681	0.003772959
2102 Jun	536.9915161	0.117159322	0.127226055	0.003059964	30.7141304	0.034328297	218.5292511	0.000800292	0.000800292	6.27333E-06	0.010205031	0.004060766	0.255942851	0.020420786	6.04525E-06	61.9801445	5.97241E-05	0.000337223	0.000626344	0.003703574
2102 Jul	532.3618164	0.116653554	0.127218381	0.003066686	30.72491837	0.034361415	216.6625977	0.000802676	0.000802676	6.2509E-06	0.010162189	0.004017779	0.253126472	0.020244312	6.03416E-06	61.45550537	5.93323E-05	0.000334676	0.000619173	0.003670732
2102 Aug	534.9035645	0.11669971	0.127175093	0.00306812	30.74704552	0.034499396	217.7802277	0.000804998	0.000804998	6.2764E-06	0.010202736	0.004037824	0.254504442	0.020286743	6.05663E-06	61.72772217	5.9588E-05	0.000335731	0.000621523	0.003688435
2102 Sep	535.7325439	0.116529323	0.126750574	0.00306067	30.68539047	0.034552418	218.1849213	0.000805254	0.000805254	6.28403E-06	0.010217545	0.004045166	0.255048692	0.020276722	6.06206E-06	61.81059265	5.96662E-05	0.000335883	0.000621959	0.003694671
2102 Oct	534.1032715	0.115822427	0.125277504	0.00303055	30.41174507	0.034468029	217.615799	0.000801638	0.000801638	6.26398E-06	0.010197497	0.004035221	0.25451836	0.020158354	6.03932E-06	61.60752487	5.94931E-05	0.00033431	0.00061927	0.003685237
2102 Nov	534.9923706	0.115778469	0.125179902	0.003028556	30.39320183	0.034461703	218.0076141	0.000801414	0.000801414	6.26868E-06	0.010207642	0.004041777	0.255047619	0.020155016	6.04229E-06	61.68842697	5.95799E-05	0.000334467	0.000619982	0.003690976
2102 Dec	535.4082642	0.115758993	0.125156626	0.003028002	30.38759804	0.034455955	218.190033	0.000801277	0.000801277	6.27063E-06	0.010211716	0.004044752	0.255290776	0.020153692	6.0435E-06	61.72600555	5.96197E-05	0.000334542	0.000620326	0.003693587
2103 Jan	535.4387207	0.115759104	0.125155404	0.003027979	30.38750839	0.034455977	218.2030182	0.00080128	0.00080128	6.27082E-06	0.010212091	0.004044983	0.255308032	0.020154078	6.04364E-06	61.72904968	5.96228E-05	0.000334552	0.000620357	0.003693787
2103 Feb	535.4590454	0.115764119	0.125160187	0.003028095	30.38884354	0.034457356	218.2110138	0.000801315	0.000801315	6.27108E-06	0.0102125	0.004045148	0.255317301	0.02015527	6.04389E-06	61.73165512	5.9625E-05	0.000334569	0.000620388	0.003693933
2103 Mar	535.5078735	0.115775026	0.125171632	0.003028372	30.391716	0.034460537	218.2307587	0.000801391	0.000801391	6.27167E-06	0.010213442	0.004045522	0.255340397	0.020157345	6.04446E-06	61.73743439	5.96305E-05	0.000334601	0.000620448	0.003694273
2103 Apr	535.7654419	0.115830913	0.125231862	0.003029829	30.40639114	0.034477137	218.3356476	0.000801778	0.000801778	6.27469E-06	0.010218362	0.004047472	0.255463094	0.020167176	6.04737E-06	61.76721191	5.96592E-05	0.000334764	0.000620748	0.003696052
2103 May	537.9900513	0.115483709	0.124628246	0.003017481	30.36465073	0.034340888	219.2110748	0.000801686	0.000801686	6.28778E-06	0.010240011	0.004066508	0.256660074	0.020304637	6.05532E-06	62.05659866	5.98864E-05	0.000336412	0.000625192	0.003711327
2103 Jun	529.6928101	0.114615679	0.123917431	0.003005328	30.40951729	0.034004435	215.6335144	0.000798439	0.000798439	6.21035E-06	0.010099567	0.003994918	0.251377046	0.020359527	5.99528E-06	61.33969879	5.90242E-05	0.000334298	0.000619879	0.003653529
2103 Jul	530.7121582	0.11455968	0.124082506	0.003012284	30.46128273	0.034122095	216.1538391	0.00080042	0.00080042	6.22193E-06	0.010116669	0.003998788	0.251775056	0.020326447	6.00849E-06	61.42482758	5.91378E-05	0.000334136	0.0006197	0.003659629
2103 Aug	531.5681763	0.113648161	0.123008825	0.002993058	30.26382637	0.034181118	216.6370239	0.00080082	0.00080082	6.23394E-06	0.010124273	0.004009192	0.252522647	0.020273363	6.01576E-06	61.48537064	5.9182E-05	0.00033349	0.000619635	0.003667612
2103 Sep	533.4683838	0.113289431	0.122211918	0.002977426	30.12363625	0.034175262	217.5772552	0.000798548	0.000798548	6.23664E-06	0.010141459	0.004021669	0.253762245	0.020187881	6.01369E-06	61.62607193	5.93418E-05	0.000332972	0.000619983	0.003679656
2103 Oct	531.4465332	0.113358326	0.121827394	0.002971779	30.07798767	0.034221534	216.8483582	0.000795557	0.000795557	6.20677E-06	0.01010649	0.003997895	0.252580196	0.020009758	5.98852E-06	61.34615326	5.90712E-05	0.000330301	0.000615122	0.003664208
2103 Nov	531.1439819	0.113409251	0.121761203	0.002971149	30.07390022	0.034239296	216.7548676	0.000794817	0.000794817	6.20011E-06	0.010099776	0.003992866	0.252383411	0.019961292	5.98298E-06	61.29234695	5.90201E-05	0.000329613	0.000613963	0.003661483
2103 Dec	531.5285645	0.113389231	0.121737026	0.002970573	30.06804276	0.034233298	216.9239044	0.000794671	0.000794671	6.20184E-06	0.01010345	0.003995601	0.252609342	0.019959467	5.984E-06	61.32674408	5.90567E-05	0.000329675	0.000614275	0.00366389
2104 Jan	531.5452881	0.113388851	0.121735014	0.002970532	30.06780052	0.034233157	216.930954	0.00079467	0.00079467	6.20194E-06	0.010103653	0.003995733	0.252619028	0.019959755	5.98407E-06	61.32846451	5.90584E-05	0.000329681	0.000614294	0.003664003
2104 Feb	531.5505981	0.113390811	0.12173634	0.002970564	30.06834412	0.034233589	216.932724	0.000794685	0.000794685	6.20203E-06	0.010103779	0.003995787	0.252621055	0.019960493	5.98415E-06	61.32940292	5.9059E-05	0.000329689	0.000614308	0.003664046
2104 Mar	531.6019287	0.113402188	0.121748127	0.002970852	30.07137489	0.034236945	216.9535065	0.000794765	0.000794765	6.20265E-06	0.010104769	0.00399618	0.252645165	0.019962715	5.98475E-06	61.33550644	5.90647E-05	0.000329723	0.000614372	0.003664404
2104 Apr	532.0077515	0.113488689	0.121840753	0.002973113	30.0943203	0.034263015	217.1190338	0.000795371	0.000795371	6.20738E-06	0.010112479	0.003999235	0.252838016	0.019978072	5.98931E-06	61.38240051	5.91098E-05	0.000329976	0.000614844	0.003667203
2104 May	529.4968872	0.113279447	0.121285111	0.002962833	30.11014366	0.034153458	215.8714294	0.000797272	0.000797272	6.2004E-06	0.010089749	0.003986318	0.251226753	0.020201158	5.98511E-06	61.28764343	5.88942E-05	0.000331428	0.000616597	0.003653556
2104 Jun	519.2225952	0.112992726	0.121283479	0.002965281	30.25391197	0.033995487	211.4528351	0.000795898	0.000795898	6.11918E-06	0.009939925	0.00390113	0.244780034	0.020241672	5.92649E-06	60.38123703	5.78502E-05	0.000328962	0.000608893	0.003583892
2104 Jul	521.4953613	0.113118291	0.121497728	0.002972877	30.32187653	0.034139119	212.4570007	0.000799024	0.000799024	6.14474E-06	0.009981094	0.003917314	0.245902956	0.020276424	5.95096E-06	60.62093353	5.81064E-05	0.000329854	0.000610783	0.003599386
2104 Aug	524.1217041	0.112988323	0.121265143	0.002970116	30.30091858	0.034248739	213.6357727	0.000800555	0.000800555	6.16806E-06	0.010018236	0.00393801	0.247390538	0.020296585	5.97025E-06	60.88887405	5.83616E-05	0.000330658	0.000613009	0.003617558
2104 Sep	524.7381592	0.112350874	0.120183319	0.002948416	30.09946251	0.034226969	214.0161133	0.000798397	0.000798397	6.1666E-06	0.010020943	0.003944104	0.248032451	0.020213032	5.96406E-06	60.91397858	5.83913E-05	0.000330026	0.000612499	0.003622133
2104 Oct	524.1814575	0.112065837	0.119322523	0.002931647	29.94462585	0.034209505	213.8815155	0.000795822	0.000795822	6.15373E-06	0.010012759	0.003938299	0.247918472	0.02009798	5.94961E-06	60.80592728	5.83095E-05	0.000328598	0.000610323	0.00361844
2104 Nov	523.9081421	0.112115458	0.119273484	0.002931245	29.94156647	0.034227826	213.7877197	0.000795427	0.000795427	6.14938E-06	0.010008588	0.003934495	0.24774842	0.020065231	5.94609E-06	60.76341629	5.82695E-05	0.000328121	0.00060946	0.00361625
2104 Dec	524.2595215	0.112098984	0.119253553	0.002930768	29.93668747	0.034222905	213.9417267	0.00079531	0.00079531	6.15104E-06	0.010012034	0.003937004	0.24795419	0.020063976	5.9471E-06	60.79508209	5.83031E-05	0.000328182	0.000609751	0.003618459
2105 Jan	524.460083	0.112085655	0.119238146	0.002930392	29.93295479	0.03421874	214.029953	0.000795215	0.000795215	6.15187E-06	0.010013836	0.003938435	0.248073041	0.020062886	5.94754E-06	60.81292725	5.83221E-05	0.000328212	0.000609917	0.003619711
2105 Feb	524.4804077	0.112086914	0.119238846	0.00293041	29.93330574	0.034218997	214.0383606	0.000795225	0.000795225	6.15203E-06	0.010014107	0.003938593	0.248083815	0.02006351	5.94767E-06	60.81518555	5.83242E-05	0.000328222	0.000609942	0.003619848
2105 Mar	524.4992676	0.112090781	0.119242623	0.002930502	29.93435097	0.034220111	214.0459442	0.000795253	0.000795253	6.15225E-06	0.01001446	0.00393874	0.248092696	0.020064393	5.94788E-06	60.81746674	5.83262E-05	0.000328235	0.000609967	0.00361998
2105 Apr	524.7181396	0.11213772	0.119292341	0.002931725	29.94688797	0.034234397	214.1352081	0.000795586	0.000795586	6.15482E-06	0.010018646	0.003940388	0.248196185	0.0200729	5.95037E-06	60.84293365	5.83506E-05	0.000328373	0.000610224	0.003621493
2105 May	523.2438965	0.111954093	0.118855223	0.002923385	29.95373535	0.034143128	213.3835297	0.000796762	0.000796762	6.15084E-06	0.010004688	0.003933544	0.247219726	0.020240512	5.94779E-06	60.81084061	5.82283E-05	0.000329547	0.000611934	0.003613796
2105 Jun	518.6410522	0.111888424	0.118774518	0.002923825	30.0512886	0.034084201	211.324585	0.0007982	0.0007982	6.12374E-06	0.009948916	0.00389872	0.244231746	0.020375557	5.93077E-06	60.47693634	5.77923E-05	0.000329618	0.000610268	0.003584298
2105 Jul	521.7528076	0.111896165	0.118773378	0.002926434	30.07631302	0.034217075	212.6922913	0.000800939	0.000800939	6.15446E-06	0.00999844	0.003922973	0.245911509	0.0204232	5.9577E-06	60.80269623	5.81229E-05	0.000330767	0.000613206	0.003605967
2105 Aug	523.6246338	0.110852405	0.117505468	0.002901232	29.82744789	0.034200765	213.6714935	0.000798581	0.000798581	6.16044E-06	0.010005555	0.00393867	0.247313529	0.020319017	5.95651E-06	60.93494415	5.82489E-05	0.00033004	0.000613534	0.003618817
2105 Sep	525.5775146	0.110390313	0.116806157	0.002887888	29.6918354	0.034190532	214.7163239	0.000794084	0.000794084	6.14963E-06	0.009999454	0.003944265	0.248527765	0.020113295	5.94245E-06	61.01134491	5.83287E-05	0.000328101	0.000611889	0.003627987
2105 Oct	527.0133667	0.110407807	0.116608396	0.002884622	29.65464401	0.034186725	215.478241	0.000790546	0.000790546	6.13774E-06	0.009996937	0.003945319	0.249296546	0.019952722	5.92996E-06	61.05713654	5.83991E-05	0.000326398	0.000610372	0.003634016
2105 Nov	526.8079224	0.110459164	0.116554551	0.002884112	29.64838219	0.034199651	215.4315338	0.000789628	0.000789628	6.13075E-06	0.009990345	0.003940682	0.249156937	0.019897891	5.92397E-06	61.00836945	5.8356E-05	0.000325661	0.000609205	0.003631751
2105 Dec	527.0358887	0.110446513	0.116537668	0.002883719	29.64437866	0.034195982	215.5315552	0.000789541	0.000789541	6.1318E-06	0.009992572	0.003942316	0.249291852	0.019896716	5.92457E-06	61.02870178	5.83778E-05	0.000325696	0.00060939	0.003633186
2106 Jan	527.0501709	0.110445932	0.11653538	0.002883671	29.64406586	0.034195773	215.5375671	0.000789539	0.000789539	6.13189E-06	0.009992748	0.003942432	0.249300361	0.019896975	5.92462E-06	61.0301857	5.83792E-05	0.000325701	0.000609407	0.003633284
2106 Feb	527.0526733	0.110446736	0.11653544	0.002883672	29.64429855	0.034195863	215.5382843	0.000789545	0.000789545	6.13193E-06	0.009992802	0.003942464	0.249301285	0.019897534	5.92466E-06	61.0307579	5.83795E-05	0.000325707	0.000609418	0.003633307
2106 Mar	527.0770264	0.110452272	0.116540857	0.002883806	29.64579582	0.034197487	215.5480194	0.000789585	0.000789585	6.13223E-06	0.009993277	0.003942654	0.24931252	0.019898754	5.92495E-06	61.03376007	5.83822E-05	0.000325725	0.000609451	0.003633479
2106 Apr	527.3666992	0.110513218	0.116604909	0.002885392	29.66215897	0.034216311	215.6663513	0.000790021	0.000790021	6.13561E-06	0.009998777	0.003944825	0.249449372	0.019909857	5.92822E-06	61.06740189	5.84143E-05	0.000325905	0.000609788	0.003635478
2106 May	528.1953125	0.110509977	0.11647445	0.002883305	29.67485619	0.034208085	215.9631958	0.000791292	0.000791292	6.14658E-06	0.010015171	0.003953342	0.249858364	0.019999499	5.93745E-06	61.19877625	5.85165E-05	0.00032696	0.000611913	0.003642022
2106 Jun	517.4437256	0.109760366	0.116061814	0.002878398	29.70422554	0.033940181	211.3179626	0.000790651	0.000790651	6.06949E-06	0.009872273	0.003866427	0.243323147	0.02000341	5.88122E-06	60.21766281	5.74879E-05	0.000324362	0.000603443	0.003569184
2106 Jul	519.2821045	0.109802939	0.116359413	0.00288898	29.78251076	0.034086484	212.174118	0.000793989	0.000793989	6.09145E-06	0.009907599	0.003876352	0.244135946	0.019989779	5.90409E-06	60.38998795	5.7709E-05	0.000324693	0.000604082	0.003580718
2106 Aug	521.3370361	0.108835615	0.1151838	0.002866389	29.55535316	0.034108527	213.2030334	0.000792878	0.000792878	6.10452E-06	0.009922937	0.003894552	0.245618492	0.019912271	5.90971E-06	60.55198669	5.78613E-05	0.000324217	0.000604842	0.00359556
2106 Sep	523.6422119	0.108047925	0.113963388	0.00284175	29.31580734	0.034067538	214.3577271	0.00078921	0.00078921	6.10584E-06	0.009932812	0.003909945	0.247259602	0.019765379	5.90323E-06	60.69703674	5.80114E-05	0.00032321	0.000604768	0.003609558
2106 Oct	526.4447632	0.107969731	0.113703713	0.002836521	29.26296425	0.034049656	215.6391907	0.000787292	0.000787292	6.11312E-06	0.009956982	0.003926819	0.248883381	0.019697702	5.90583E-06	60.92079544	5.82586E-05	0.00032297	0.000606054	0.003626379
2106 Nov	527.0565186	0.107976407	0.113705739	0.002836603	29.26381111	0.034051917	215.904068	0.000787321	0.000787321	6.11685E-06	0.00996414	0.003931174	0.249225914	0.019700155	5.90862E-06	60.97894287	5.83189E-05	0.000323123	0.000606591	0.003630294
2106 Dec	527.3292847	0.107964128	0.113691077	0.002836248	29.26014137	0.034048121	216.023468	0.000787232	0.000787232	6.11814E-06	0.009966818	0.003933116	0.249385461	0.019699192	5.9094E-06	61.00353241	5.8345E-05	0.00032317	0.000606818	0.00363201
2107 Jan	527.3494873	0.1079638	0.113689765	0.00283622	29.25995636	0.034047991	216.0321198	0.00078723	0.00078723	6.11826E-06	0.009967052	0.003933269	0.249397099	0.019699387	5.90948E-06	61.00551987	5.8347E-05	0.000323176	0.000606838	0.003632143
2107 Feb	527.3746948	0.107966959	0.113692634	0.002836291	29.26082039	0.034048893	216.0424957	0.000787254	0.000787254	6.1185E-06	0.009967452	0.003933461	0.24940981	0.019700244	5.9097E-06	61.00837708	5.83496E-05	0.00032319	0.000606869	0.003632314
2107 Mar	527.4403076	0.107979394	0.113705486	0.002836612	29.26419449	0.034052759	216.069397	0.000787344	0.000787344	6.11924E-06	0.009968654	0.003933954	0.249441251	0.019702666	5.9104E-06	61.01594925	5.83568E-05	0.000323229	0.000606946	0.003632765
2107 Apr	527.5861206	0.108009033	0.113736555	0.002837387	29.27222824	0.034062073	216.1290894	0.000787561	0.000787561	6.12092E-06	0.009971401	0.003935043	0.249510258	0.019708151	5.91202E-06	61.03284073	5.8373E-05	0.000323319	0.000607114	0.00363377
2107 May	525.4885254	0.10804645	0.113677472	0.00283686	29.31541061	0.034045048	215.1541748	0.000788794	0.000788794	6.11252E-06	0.009951182	0.003921529	0.248179138	0.019807367	5.9075E-06	60.90120316	5.81822E-05	0.00032376	0.000606948	0.003621285
2107 Jun	517.6247559	0.107934073	0.113502659	0.00283574	29.41180611	0.033955093	211.6418152	0.000791097	0.000791097	6.07011E-06	0.009864325	0.003864962	0.243319944	0.019984756	5.88012E-06	60.29079056	5.74518E-05	0.00032361	0.000603291	0.003571551
2107 Jul	520.1710205	0.10765142	0.113191947	0.002831686	29.36506653	0.034039181	212.7959442	0.000792839	0.000792839	6.09472E-06	0.009903084	0.003885484	0.244790018	0.019994954	5.90026E-06	60.54273987	5.77216E-05	0.000324241	0.000605414	0.003589555
2107 Aug	523.9378052	0.107721828	0.113226682	0.002834608	29.39749336	0.034167912	214.4345093	0.000795223	0.000795223	6.12758E-06	0.009957054	0.003914054	0.246838346	0.020045307	5.92813E-06	60.92970657	5.81012E-05	0.000325537	0.000608942	0.003615132
2107 Sep	527.7179565	0.107507691	0.11269848	0.002824111	29.30240059	0.03417528	216.1285248	0.000794364	0.000794364	6.14856E-06	0.010002729	0.0039422	0.249103472	0.0200238	5.94118E-06	61.27711868	5.84724E-05	0.00032615	0.000611863	0.003640045
2107 Oct	529.5808716	0.107066005	0.111802444	0.002805103	29.12131119	0.034103103	217.0136108	0.000791699	0.000791699	6.1521E-06	0.010021323	0.003956712	0.250435412	0.019950459	5.93773E-06	61.41410065	5.86459E-05	0.000325789	0.000612692	0.003652441
2107 Nov	529.5178833	0.106941044	0.111489266	0.0027987	29.0611248	0.034088943	217.0081635	0.000791035	0.000791035	6.15039E-06	0.010021882	0.00395689	0.25049597	0.019926498	5.93471E-06	61.39691544	5.86389E-05	0.000325533	0.000612366	0.00365239
2107 Dec	530.0835571	0.106909126	0.111453712	0.002797819	29.05195236	0.034078814	217.2565613	0.000790798	0.000790798	6.15286E-06	0.010027125	0.003960891	0.250829339	0.019923288	5.93608E-06	61.44717026	5.86926E-05	0.000325615	0.000612828	0.003655926
2108 Jan	530.2606201	0.106899619	0.111442551	0.002797543	29.04920959	0.034075703	217.3340912	0.000790728	0.000790728	6.15366E-06	0.010028785	0.003962153	0.250933409	0.01992261	5.93652E-06	61.46310806	5.87094E-05	0.000325644	0.000612978	0.003657038
2108 Feb	530.2976074	0.106899001	0.111441292	0.002797511	29.04904938	0.034075361	217.3499146	0.000790724	0.000790724	6.15386E-06	0.010029173	0.003962425	0.25095433	0.019922985	5.93666E-06	61.46674347	5.8713E-05	0.000325655	0.000613016	0.003657277
2108 Mar	530.3687744	0.10691309	0.111455627	0.002797871	29.05288315	0.034079775	217.3789978	0.000790828	0.000790828	6.15468E-06	0.010030508	0.003962962	0.250988096	0.019925797	5.93745E-06	61.47507858	5.87209E-05	0.0003257	0.000613101	0.003657777
2108 Apr	530.9205933	0.10702572	0.111571513	0.002800782	29.08356285	0.034115516	217.60466	0.000791662	0.000791662	6.16113E-06	0.010040988	0.003967112	0.251248091	0.019947583	5.94367E-06	61.53973007	5.87821E-05	0.000326048	0.000613756	0.003666159

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2108 May	532.0186768	0.107242323	0.111764707	0.002805799	29.14419556	0.034183122	218.0445099	0.000793446	0.000793446	6.17465E-06	0.01006258	0.00397592	0.251759797	0.020006793	5.95661E-06	61.67844391	5.89063E-05	0.000326893	0.000615333	0.003669446
2108 Jun	522.8646851	0.10595122	0.110344723	0.002780896	28.89357376	0.0339697	214.083374	0.000795614	0.000795614	6.13665E-06	0.00998773	0.003914911	0.246854708	0.019969231	5.92791E-06	60.81546402	5.81611E-05	0.000325221	0.000607769	0.003612198
2108 Jul	525.7731934	0.106171735	0.110638849	0.002790947	28.98219299	0.034127779	215.3304749	0.000800055	0.000800055	6.17202E-06	0.010046965	0.003936228	0.248303548	0.020029826	5.96132E-06	61.12860489	5.85143E-05	0.00032668	0.000610474	0.003632043
2108 Aug	530.4870605	0.106559977	0.11099799	0.002801344	29.09444427	0.034322824	217.3433228	0.000804034	0.000804034	6.21594E-06	0.010120498	0.003971401	0.250757873	0.020126536	6.00038E-06	61.6318512	5.90047E-05	0.000328731	0.000615213	0.003663915
2108 Sep	533.4238281	0.106348157	0.110579938	0.002792938	29.01861	0.034330945	218.6721191	0.000803218	0.000803218	6.23144E-06	0.010153613	0.003993086	0.252515107	0.020105731	6.00977E-06	61.90159225	5.92874E-05	0.000329173	0.000617446	0.003683159
2108 Oct	531.7261963	0.1056564	0.108981788	0.002759645	28.70486641	0.034236632	218.0648193	0.000799117	0.000799117	6.21109E-06	0.010135543	0.003983568	0.25205642	0.019965809	5.9849E-06	61.67671204	5.91075E-05	0.000327372	0.000614478	0.003673726
2108 Nov	531.7108765	0.105570249	0.108713873	0.002754297	28.65506363	0.03423116	218.0728455	0.000798695	0.000798695	6.21058E-06	0.010137685	0.00398411	0.252128929	0.019947825	5.98317E-06	61.666996	5.91062E-05	0.000327184	0.000614244	0.003674036
2108 Dec	532.1235352	0.105550483	0.108691156	0.002753736	28.64923477	0.034224845	218.2536011	0.000798546	0.000798546	6.21248E-06	0.010141633	0.00398703	0.252370656	0.019945979	5.98427E-06	61.70397568	5.91455E-05	0.000327249	0.000614585	0.003676626
2109 Jan	532.1526489	0.10554985	0.108689182	0.002753693	28.64892769	0.034224592	218.2660522	0.000798542	0.000798542	6.21265E-06	0.010141959	0.003987248	0.252387494	0.01994621	5.98438E-06	61.70680237	5.91484E-05	0.000327257	0.000614614	0.003676816
2109 Feb	532.1660156	0.105552599	0.108691394	0.002753749	28.64968681	0.034225341	218.271286	0.000798564	0.000798564	6.21281E-06	0.010142212	0.003987358	0.252393663	0.019947061	5.98453E-06	61.70856094	5.91498E-05	0.000327268	0.000614635	0.003676913
2109 Mar	532.2415771	0.105567895	0.10870681	0.002754139	28.65384483	0.034230221	218.3021088	0.000798679	0.000798679	6.21371E-06	0.010143662	0.003987931	0.252429277	0.019950129	5.98539E-06	61.71746445	5.91582E-05	0.000327316	0.000614726	0.003677438
2109 Apr	532.6173096	0.105642766	0.108783573	0.002756084	28.67417526	0.034254435	218.4560852	0.000799246	0.000799246	6.2181E-06	0.010150834	0.003990752	0.252607286	0.019964447	5.98963E-06	61.76118469	5.92E-05	0.00032755	0.000615164	0.003680038
2109 May	529.8588257	0.105554827	0.108433962	0.002749525	28.68635368	0.034206212	217.1495361	0.000801091	0.000801091	6.21049E-06	0.010129031	0.003976081	0.250938684	0.020130489	5.9854E-06	61.61001968	5.89653E-05	0.000328556	0.000615688	0.003664781
2109 Jun	524.2162476	0.105377585	0.107964702	0.002741675	28.7232132	0.034128606	214.5585938	0.000804136	0.000804136	6.1894E-06	0.010078893	0.003941299	0.247500837	0.02036551	5.97305E-06	61.23895645	5.84762E-05	0.000329619	0.000614933	0.003631552
2109 Jul	527.8914795	0.104893237	0.107454292	0.002732997	28.62665176	0.034175735	216.2279968	0.000804839	0.000804839	6.21712E-06	0.010124227	0.003969761	0.249682024	0.020349894	5.99331E-06	61.58046722	5.88434E-05	0.000330153	0.000617796	0.003656604
2109 Aug	531.6936035	0.104469687	0.106982388	0.002725355	28.54239845	0.034252785	217.9287262	0.000805922	0.000805922	6.24745E-06	0.010169752	0.003999646	0.251931399	0.020346664	6.01588E-06	61.93809509	5.91995E-05	0.000330707	0.000620834	0.003682821
2109 Sep	535.3151855	0.103987895	0.106118537	0.002706966	28.36608505	0.034199014	219.6188049	0.000802686	0.000802686	6.25767E-06	0.010201442	0.004024912	0.254220068	0.020252449	6.0169E-06	62.23180008	5.9525E-05	0.000330473	0.000622785	0.003705784
2109 Oct	534.9225464	0.103904448	0.105533659	0.002695224	28.24073219	0.034170505	219.6283569	0.000797649	0.000797649	6.2301E-06	0.010177637	0.004012617	0.254095554	0.020031143	5.98954E-06	62.07644653	5.94039E-05	0.000327712	0.000618938	0.003700191
2109 Nov	535.5932617	0.10392987	0.105513833	0.002694973	28.23684692	0.034174394	219.9313812	0.00079732	0.00079732	6.23213E-06	0.010183956	0.004016329	0.254468381	0.020014541	5.99062E-06	62.12939453	5.94618E-05	0.000327633	0.00061919	0.003704156
2109 Dec	536.0678711	0.103908233	0.105489783	0.002694371	28.23054123	0.034167342	220.1390839	0.000797153	0.000797153	6.23433E-06	0.0101885	0.004019676	0.254745692	0.0200125	5.9919E-06	62.17197418	5.9507E-05	0.000327707	0.000619583	0.003707134
2110 Jan	536.1331177	0.103907719	0.105488099	0.002694334	28.23027611	0.034167118	220.1672211	0.00079715	0.00079715	6.23471E-06	0.010189235	0.00402015	0.254782796	0.020012854	5.99217E-06	62.17822647	5.95134E-05	0.000327724	0.000619645	0.003707555
2110 Feb	536.1585083	0.103910938	0.105490826	0.002694404	28.23116302	0.034168042	220.1776276	0.000797175	0.000797175	6.23496E-06	0.010189645	0.004020346	0.254795521	0.020013804	5.99239E-06	62.1811676	5.95161E-05	0.000327739	0.000619677	0.00370773
2110 Mar	536.2119751	0.103921622	0.105501369	0.002694673	28.23406982	0.034171484	220.1994171	0.000797257	0.000797257	6.23559E-06	0.01019067	0.004020753	0.254820704	0.02001602	5.993E-06	62.18749619	5.9522E-05	0.000327773	0.000619742	0.003708103
2110 Apr	536.4408569	0.103966169	0.105546422	0.002695824	28.24617577	0.034186091	220.2933197	0.000797599	0.000797599	6.23826E-06	0.010195026	0.004022472	0.254929364	0.020024687	5.99557E-06	62.21411896	5.95474E-05	0.000327914	0.000620009	0.003709687
2110 May	538.3600464	0.103944257	0.105486803	0.00269457	28.25455666	0.03415804	221.0926361	0.00079779	0.00079779	6.25006E-06	0.010216034	0.004036664	0.255957276	0.020074865	6.00413E-06	62.42212296	5.9739E-05	0.000328745	0.00062248	0.003722182
2110 Jun	534.8179321	0.103176042	0.105108753	0.002685811	28.25513077	0.03374837	219.5634155	0.000793539	0.000793539	6.19866E-06	0.010129109	0.004000042	0.253504157	0.020109063	5.9613E-06	62.12184906	5.93627E-05	0.000327695	0.000621003	0.003693859
2110 Jul	536.3926392	0.103094004	0.105121829	0.002689265	28.27322578	0.033858005	220.2889252	0.000796186	0.000796186	6.21898E-06	0.010161086	0.004011183	0.254299819	0.020113816	5.98064E-06	62.28028488	5.95545E-05	0.000328157	0.000621991	0.003704761
2110 Aug	534.161377	0.101866886	0.104124159	0.002670823	28.04262161	0.033889379	219.5957794	0.000792296	0.000792296	6.18891E-06	0.010091359	0.003989176	0.253289878	0.019848673	5.9523E-06	61.93453598	5.91562E-05	0.000324302	0.000616025	0.003688365
2110 Sep	534.9187622	0.101864047	0.103952564	0.002668078	27.99491882	0.033917915	220.1439056	0.000787358	0.000787358	6.16419E-06	0.010067639	0.003980875	0.253640175	0.019606486	5.92911E-06	61.87907791	5.9102E-05	0.000321536	0.000612492	0.003688213
2110 Oct	533.2976074	0.102236226	0.103939205	0.002669462	27.99188995	0.033976726	219.5911713	0.00078402	0.00078402	6.13265E-06	0.010034688	0.00395695	0.252601862	0.019403646	5.90318E-06	61.61860275	5.88579E-05	0.000318624	0.000607357	0.003674067
2110 Nov	533.4924927	0.102284774	0.103925355	0.002669291	27.98545456	0.033977021	219.7195892	0.000782867	0.000782867	6.12689E-06	0.01003076	0.003955106	0.252686769	0.019350842	5.89779E-06	61.6079483	5.88536E-05	0.000318	0.00060661	0.003674195
2110 Dec	533.9859009	0.102260128	0.10389708	0.002668586	27.97808075	0.033968922	219.9356079	0.000782678	0.000782678	6.12913E-06	0.010035432	0.003958587	0.252976567	0.019348299	5.89905E-06	61.65195465	5.89005E-05	0.000318072	0.000607017	0.003677291
2111 Jan	534.1576538	0.102252237	0.103888601	0.002668364	27.97583771	0.033965923	220.0106812	0.000782608	0.000782608	6.12988E-06	0.010036989	0.003959783	0.253076583	0.019347534	5.89946E-06	61.66733551	5.89167E-05	0.000318097	0.000607161	0.003678362
2111 Feb	534.2005615	0.102250881	0.103886634	0.002668312	27.97548676	0.033965256	220.029129	0.000782596	0.000782596	6.13009E-06	0.010037401	0.003960095	0.25310114	0.019347813	5.89958E-06	61.67146683	5.89208E-05	0.000318108	0.000607204	0.003678636
2111 Mar	534.3101807	0.102271453	0.10390719	0.00266884	27.98112488	0.033971973	220.0741882	0.000782753	0.000782753	6.13133E-06	0.010039438	0.003960913	0.253153205	0.019351913	5.90078E-06	61.68419647	5.89328E-05	0.000318174	0.000607332	0.003679392
2111 Apr	534.7285156	0.102351777	0.103988566	0.00267093	28.00310326	0.033998601	220.2463837	0.000783368	0.000783368	6.13614E-06	0.010047305	0.003964018	0.253351271	0.019367233	5.90541E-06	61.73259354	5.8979E-05	0.000318424	0.00060781	0.003682276
2111 May	533.1912842	0.102460794	0.10396447	0.002671418	28.05775452	0.034003254	219.4844971	0.000785543	0.000785543	6.13594E-06	0.010040026	0.003956086	0.252333164	0.019499177	5.90808E-06	61.67102051	5.88571E-05	0.000319375	0.000608539	0.003674067
2111 Jun	522.7562256	0.102272414	0.103735417	0.002668062	28.15616035	0.033817649	214.8069458	0.000787581	0.000787581	6.0762E-06	0.009919857	0.003882304	0.245965198	0.019739322	5.86765E-06	60.85786819	5.78836E-05	0.000319293	0.00060396	0.003607761
2111 Jul	527.1884766	0.102535971	0.104010485	0.002677082	28.24461365	0.033979293	216.7017059	0.000791673	0.000791673	6.11949E-06	0.009993113	0.003915268	0.24828358	0.019821383	5.906E-06	61.32456589	5.83688E-05	0.000321172	0.00060833	0.003637746
2111 Aug	528.1636963	0.101366192	0.102650777	0.002649715	27.96116257	0.033960581	217.2874908	0.00078921	0.00078921	6.12184E-06	0.009988235	0.003925508	0.249271199	0.019695599	5.9007E-06	61.35808182	5.83927E-05	0.000319957	0.000607709	0.003645344
2111 Sep	532.1630859	0.100786738	0.101831414	0.002632628	27.78860664	0.03392373	219.1177368	0.000786572	0.000786572	6.13752E-06	0.010020477	0.003953646	0.25178954	0.019600652	5.90612E-06	61.68421936	5.87279E-05	0.000319844	0.000609881	0.003670428
2111 Oct	532.6373291	0.100905754	0.101786107	0.002631765	27.76431465	0.033920057	219.4654083	0.000782954	0.000782954	6.119E-06	0.010006781	0.003947476	0.251989216	0.019440409	5.88885E-06	61.64232635	5.87071E-05	0.000317953	0.000607572	0.003670121
2111 Nov	532.6686401	0.101023093	0.101769537	0.002631745	27.75322342	0.033924319	219.5515289	0.000781019	0.000781019	6.10747E-06	0.009997603	0.00394192	0.251965463	0.019343998	5.87844E-06	61.59172058	5.86692E-05	0.000316747	0.000605903	0.003668359
2111 Dec	533.1472778	0.101004869	0.101743385	0.002631114	27.74637222	0.033917464	219.7614288	0.000780828	0.000780828	6.10957E-06	0.010002158	0.003945203	0.252245277	0.019340228	5.87959E-06	61.63364792	5.87142E-05	0.000316799	0.00060627	0.003671342
2112 Jan	533.3380737	0.100996181	0.101734214	0.002630871	27.74389267	0.033914067	219.8448639	0.000780749	0.000780749	6.11039E-06	0.010003874	0.003946528	0.25235638	0.019339314	5.88003E-06	61.65069199	5.87321E-05	0.000316825	0.000606429	0.003672531
2112 Feb	533.480835	0.100992709	0.101730734	0.002630771	27.74301338	0.033912446	219.9067993	0.000780713	0.000780713	6.11109E-06	0.010005262	0.003947528	0.252437741	0.019339429	5.88047E-06	61.66395187	5.87457E-05	0.000316854	0.000606557	0.00367343
2112 Mar	533.6787109	0.101012252	0.101750061	0.00263127	27.74838829	0.033918858	219.990097	0.000780863	0.000780863	6.11283E-06	0.010008249	0.003948969	0.252539635	0.019343736	5.88201E-06	61.68498993	5.87664E-05	0.000316939	0.000606764	0.003674748
2112 Apr	534.0598755	0.101079598	0.101817653	0.002633017	27.76689339	0.033941407	220.1476288	0.000781384	0.000781384	6.11706E-06	0.010015205	0.003951786	0.252722204	0.019356862	5.88604E-06	61.72859955	5.8808E-05	0.000317158	0.000607194	0.003677362
2112 May	533.5263062	0.101047292	0.101635739	0.002629385	27.7981739	0.033864439	219.7990112	0.000782633	0.000782633	6.11865E-06	0.010012224	0.003951007	0.252267748	0.019513486	5.88801E-06	61.77315903	5.8778E-05	0.000318459	0.000609429	0.00367527
2112 Jun	519.7995605	0.100648396	0.101847097	0.002633486	27.93790245	0.033509359	213.8730621	0.0007797	0.0007797	6.00603E-06	0.009810594	0.003839168	0.243755445	0.019579684	5.80593E-06	60.55812836	5.74197E-05	0.000315627	0.000599568	0.003581021
2112 Jul	521.836731	0.100381047	0.101818264	0.002635625	27.92204285	0.033546001	214.8475189	0.000780875	0.000780875	6.0216E-06	0.009839781	0.00385045	0.244833216	0.019518621	5.81983E-06	60.72011948	5.76577E-05	0.000315577	0.000600097	0.003593137
2112 Aug	527.9154053	0.100343436	0.101702459	0.002634678	27.91880417	0.033637632	217.5048676	0.000782117	0.000782117	6.06379E-06	0.009914599	0.0038948	0.248236731	0.019551417	5.85206E-06	61.31384277	5.82538E-05	0.00031721	0.000605493	0.003633004
2112 Sep	534.7969971	0.099730693	0.100851379	0.002615702	27.73019409	0.033545036	220.5740356	0.000778819	0.000778819	6.09475E-06	0.00997939	0.003944503	0.252414554	0.019479014	5.86706E-06	61.91724014	5.88948E-05	0.000317908	0.000610734	0.003676869
2112 Oct	539.2923584	0.0993082	0.100151986	0.002599776	27.5714817	0.033445608	222.5932922	0.000775602	0.000775602	6.11085E-06	0.010020705	0.003976519	0.255199313	0.019406652	5.87187E-06	62.2953186	5.9317E-05	0.000318047	0.000613916	0.003705402
2112 Nov	541.2276611	0.09920007	0.099995174	0.002596068	27.53324127	0.033414058	223.4465027	0.000774713	0.000774713	6.11922E-06	0.01003913	0.003990096	0.256349683	0.019389838	5.87609E-06	62.46475983	5.95001E-05	0.00031825	0.000615424	0.003717587
2112 Dec	541.4838257	0.099192843	0.099985816	0.002595841	27.53085327	0.033411723	223.5579681	0.000774657	0.000774657	6.12056E-06	0.010041785	0.00399191	0.256497741	0.019389406	5.87693E-06	62.48817825	5.95248E-05	0.000318297	0.000615642	0.003719212
2113 Jan	541.7473145	0.099177338	0.099969171	0.002595412	27.52641106	0.03340641	223.6733704	0.000774536	0.000774536	6.12168E-06	0.010044144	0.003993762	0.256653279	0.019387782	5.8775E-06	62.51151276	5.95497E-05	0.000318331	0.000615861	0.003720861
2113 Feb	541.7878418	0.099178657	0.099969991	0.002595433	27.52677917	0.03340672	223.690567	0.000774546	0.000774546	6.12197E-06	0.010044647	0.00399406	0.256675363	0.019388435	5.87772E-06	62.51566696	5.95537E-05	0.000318346	0.000615904	0.003721127
2113 Mar	542.0385742	0.099210836	0.100002162	0.002596268	27.53570938	0.033417478	223.7954102	0.000774797	0.000774797	6.1244E-06	0.010048744	0.00399589	0.256800622	0.019395137	5.87994E-06	62.54314041	5.95804E-05	0.000318468	0.000616174	0.003722815
2113 Apr	542.4104004	0.099276468	0.100068167	0.002597981	27.55392456	0.033439543	223.9491119	0.00077531	0.00077531	6.12853E-06	0.01005554	0.00399863	0.256977916	0.019408101	5.88389E-06	62.58581543	5.96211E-05	0.000318682	0.000616595	0.003725364
2113 May	542.4214478	0.09919434	0.099794917	0.002592473	27.55325317	0.033386678	223.8603973	0.000776512	0.000776512	6.13497E-06	0.010062218	0.004002732	0.256924629	0.019538114	5.88895E-06	62.66601944	5.96497E-05	0.00031993	0.000618878	0.003727199
2113 Jun	534.2633057	0.098962501	0.099560179	0.002588199	27.60945511	0.033221312	220.2433624	0.000777373	0.000777373	6.08444E-06	0.009964664	0.003944408	0.251949936	0.01970884	5.85394E-06	62.02457809	5.88899E-05	0.000319722	0.000615109	0.003674921
2113 Jul	537.1073608	0.09895172	0.099562325	0.002591287	27.63430786	0.033360731	221.4919128	0.000780435	0.000780435	6.11511E-06	0.010012386	0.003966414	0.253471106	0.019750554	5.88094E-06	62.32183456	5.91956E-05	0.000320717	0.000617714	0.003694935
2113 Aug	541.7617798	0.098778091	0.09933541	0.002588078	27.60298157	0.03344249	223.5475311	0.000781457	0.000781457	6.14867E-06	0.010069054	0.004001047	0.256116033	0.019765528	5.90622E-06	62.7720871	5.9647E-05	0.000321773	0.000621727	0.003725988
2113 Sep	544.6808472	0.098246083	0.098398052	0.002568036	27.40891075	0.033394679	224.9146881	0.000778646	0.000778646	6.15865E-06	0.010096629	0.00402317	0.258072913	0.019680483	5.90667E-06	63.00584412	5.99109E-05	0.000321551	0.000623336	0.003745255
2113 Oct	543.7699585	0.098066866	0.097616754	0.002551637	27.23126221	0.033352029	224.6910706	0.000773722	0.000773722	6.13158E-06	0.010073301	0.004010233	0.257778257	0.019469026	5.87869E-06	62.80876541	5.97599E-05	0.000318913	0.000619391	0.003737459
2113 Nov	543.8753662	0.098164387	0.097547628	0.002550744	27.21515083	0.033369057	224.7698059	0.000772939	0.000772939	6.12761E-06	0.010073172	0.00400822	0.257836163	0.019415295	5.87477E-06	62.78860474	5.97504E-05	0.00031826	0.000618468	0.003737377
2113 Dec	544.1555176	0.098156035	0.09753564	0.002550459	27.21217537	0.033366423	224.8916473	0.000772877	0.000772877	6.12907E-06	0.010076099	0.004010207	0.257998765	0.019414661	5.87568E-06	62.81412506	5.97774E-05	0.000318309	0.000618705	0.003739159
2114 Jan	544.2801514	0.098150551	0.097528696	0.002550285	27.21047974	0.033364467	224.9458618	0.000772834	0.000772834	6.12967E-06	0.010077302	0.004011094	0.258071661	0.019414365	5.87602E-06	62.82545471	5.97893E-05	0.000318329	0.000618814	0.003739948
2114 Feb	544.2925415	0.098151423	0.097528875	0.002550289	27.2107296	0.033364575	224.9508362	0.000772841	0.000772841	6.12977E-06	0.01007747	0.004011196	0.258078098	0.01941495	5.8761E-06	62.82696152	5.97906E-05	0.000318337	0.000618834	0.003740035
2114 Mar	544.3933105	0.09817002	0.097546972	0.002550762	27.21589088	0.033370797	224.9922638	0.000772987	0.000772987	6.13092E-06	0.010079348	0.004011945	0.258125603	0.019418832	5.8772E-06	62.83876419	5.98017E-05	0.000318399	0.000618953	0.00374073
2114 Apr	544.6516724	0.098216861	0.0975933	0.002551974	27.22887993	0.033386666	225.098938	0.000773356	0.000773356	6.13384E-06	0.01008414	0.004013854	0.258247942	0.019428212	5.88E-06	62.86868286	5.98301E-05	0.000318551	0.000619249	0.003742508
2114 May	544.1887207	0.098147519	0.097463563	0.002548677	27.25903511	0.033278015	224.8132477	0.00077343	0.00077343	6.12908E-06	0.010072611	0.004011376	0.257804364	0.019556383	5.87614E-06	62.90423965	5.97892E-05	0.0003195	0.00062182	0.003739782
2114 Jun	542.4257813	0.098098829	0.097391896	0.002548176	27.33491135	0.033192191	223.9548187	0.000775283	0.000775283	6.1222E-06	0.010054909	0.003999524	0.256460011	0.019740874	5.87412E-06	62.86113739	5.9659E-05	0.000320814	0.000622747	0.003729069
2114 Jul	547.546936	0.098322056	0.097606756	0.002555934	27.41499329	0.033366192	226.1609802	0.000779237	0.000779237	6.16916E-06	0.010133998	0.004037581	0.25916943	0.019825414	5.91471E-06	63.39600754	6.02024E-05	0.000322775	0.000627767	0.003763761
2114 Aug	554.0941162	0.098593213	0.097842723	0.002563445	27.49772072	0.03352683	228.9750214	0.000782508	0.000782508	6.22137E-06	0.010223962	0.004085241	0.262687624	0.019910965	5.95795E-06	64.06229401	6.08647E-05	0.000324993	0.00063404	0.00380717
2114 Sep	557.4022827	0.09787979	0.096647032	0.002537695	27.24391747	0.033449695	230.5242462	0.000778842	0.000778842	6.23182E-06	0.010252978	0.004110605	0.264975965	0.019796863	5.95637E-06	64.31521606	6.11549E-05	0.000324561	0.000635705	0.003828972
2114 Oct	560.7125854	0.097200878	0.095322825	0.002508451	26.95369148	0.033310432	232.0686951	0.000773985	0.000773985	6.23788E-06	0.010282823	0.004135643	0.267333031	0.019660722	5.94917E-06	64.5493927	6.14577E-05	0.000323804	0.000637226	0.003850728
2114 Nov	561.9243774	0.096924782	0.094666108	0.002494036	26.80143547	0.033237878	232.6786194	0.000770626	0.000770626	6.23264E-06	0.010288061	0.004142131	0.26824683	0.019541992	5.93857E-06	64.59557343	6.15441E-05	0.000322702	0.000636713	0.003857713
2114 Dec	562.3664551	0.09690538	0.094635971	0.002493303	26.79306221	0.033230178	232.8747406	0.000770369	0.000770369	6.2342E-06	0.010291889	0.004145022	0.268507302	0.019535139	5.93921E-06	64.63240051	6.15844E-05	0.000322709	0.000637005	0.003860418
2115 Jan	562.5532227	0.096897058	0.094626434	0.002493057	26.79058075	0.033227112	232.956131	0.0007703	0.0007703	6.23506E-06	0.010293642	0.004146333	0.268616378	0.019534446	5.93969E-06	64.64923096	6.16021E-05	0.000322737	0.000637165	0.003861594
2115 Feb	562.699707	0.096893214	0.094622999	0.002492953	26.789608	0.033225246	233.0197296	0.000770258	0.000770258	6.23576E-06	0.01029502	0.004147345	0.268699825	0.019534351	5.9401E-06	64.6627121	6.1616E-05	0.000322762	0.000637294	0.003862513
2115 Mar	562.8135376	0.096899278	0.094628632	0.0024931	26.79129791	0.033227153	233.0681305	0.000770304	0.000770304	6.23661E-06	0.010296527	0.004148163	0.268760592	0.019536043	5.9408E-06	64.67432404	6.16275E-05	0.000322802	0.000637409	0.003863259

Appendix D.2-21: PUMP01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2115 Apr	563.1813965	0.09696243	0.094690047	0.002494717	26.8087635	0.033248737	233.2203674	0.000770806	0.000770806	6.24068E-06	0.010303248	0.004150879	0.268936336	0.019548925	5.94467E-06	64.71666718	6.16678E-05	0.000323014	0.000637828	0.003865786
2115 May	559.4108887	0.096954674	0.094500169	0.002491158	26.84645081	0.033199087	231.4735413	0.000772667	0.000772667	6.22593E-06	0.010268375	0.004128361	0.266651213	0.019716928	5.93601E-06	64.47166443	6.13326E-05	0.00032384	0.000637469	0.003843619
2115 Jun	557.5391235	0.097232744	0.094646879	0.002496463	26.97305489	0.033248119	230.5269318	0.000776936	0.000776936	6.23066E-06	0.010266441	0.00411872	0.26525417	0.019935537	5.9462E-06	64.43624878	6.12066E-05	0.000325604	0.000639024	0.003833959
2115 Jul	560.7717285	0.097422265	0.094823584	0.002503626	27.0487709	0.033445448	231.9279633	0.000780963	0.000780963	6.26684E-06	0.010322652	0.004143798	0.266906917	0.020014238	5.97917E-06	64.79413605	6.15521E-05	0.000327025	0.000642332	0.003856959
2115 Aug	560.8416138	0.09637776	0.093622401	0.002478936	26.79139519	0.033428784	232.1151276	0.00077845	0.00077845	6.26336E-06	0.01030869	0.004147338	0.267364204	0.019889871	5.96964E-06	64.74465942	6.1497E-05	0.000325712	0.000641021	0.003858657
2115 Sep	565.2041626	0.095785536	0.0928059	0.002461549	26.61638451	0.033387989	234.0820923	0.000776188	0.000776188	6.28435E-06	0.010348534	0.004179591	0.270115942	0.019815661	5.97864E-06	65.11578369	6.18835E-05	0.000325917	0.000643966	0.003886795
2115 Oct	569.2006226	0.09554778	0.092418499	0.002452464	26.52084351	0.033322774	235.8722229	0.000773729	0.000773729	6.29871E-06	0.010384492	0.004206492	0.27250281	0.019753341	5.9841E-06	65.45271301	6.22549E-05	0.000326007	0.000646689	0.003911695
2115 Nov	570.1437988	0.095485397	0.092162691	0.002446932	26.45713425	0.033296533	236.3309326	0.000771945	0.000771945	6.29658E-06	0.010389959	0.004210737	0.273113668	0.019681036	5.97931E-06	65.49958801	6.23244E-05	0.000325342	0.000646413	0.003916894
2115 Dec	570.3754883	0.095480435	0.092141651	0.002446485	26.45212173	0.033294644	236.4340057	0.000771829	0.000771829	6.2975E-06	0.010392324	0.004212241	0.273250818	0.019676777	5.97973E-06	65.51865387	6.23457E-05	0.000325336	0.000646547	0.003918334
2116 Jan	570.6612549	0.09546604	0.092126161	0.002446079	26.44791985	0.033289384	236.5587463	0.00077171	0.00077171	6.29876E-06	0.010394928	0.004214235	0.273418337	0.01967526	5.98039E-06	65.54411316	6.23727E-05	0.000325374	0.000646787	0.003920126
2116 Feb	570.7288818	0.095469147	0.092128322	0.002446135	26.44879532	0.033290178	236.5872498	0.000771733	0.000771733	6.29926E-06	0.010395798	0.004214732	0.273454577	0.019676557	5.98078E-06	65.55118561	6.23795E-05	0.0003254	0.000646861	0.003920573
2116 Mar	570.7896118	0.095479175	0.092137501	0.002446379	26.45158195	0.03329353	236.6122589	0.000771814	0.000771814	6.29993E-06	0.010396893	0.004215189	0.273483694	0.019678909	5.98141E-06	65.55831146	6.23861E-05	0.000325437	0.000646935	0.003920994
2116 Apr	571.1351318	0.095537297	0.092193313	0.00244786	26.46768761	0.033313718	236.7552948	0.000772284	0.000772284	6.30375E-06	0.010403196	0.004217745	0.273649007	0.019691039	5.98504E-06	65.59812164	6.24239E-05	0.000325636	0.00064733	0.00392337
2116 May	573.1640625	0.095384017	0.091944501	0.002441812	26.45542717	0.033194523	237.5451965	0.000772133	0.000772133	6.31523E-06	0.010422016	0.004233974	0.274724275	0.019799797	5.99155E-06	65.84915161	6.26302E-05	0.000326956	0.000651151	0.003936876
2116 Jun	562.0537109	0.095271036	0.092479862	0.002451896	26.62833214	0.032905333	232.755722	0.000769921	0.000769921	6.22001E-06	0.010254125	0.004140934	0.267640114	0.019879775	5.92476E-06	64.88330841	6.15236E-05	0.000324865	0.000643257	0.003859128
2116 Jul	565.4821777	0.095593013	0.092904568	0.002464703	26.74678993	0.033085402	234.2413483	0.000774374	0.000774374	6.25671E-06	0.010316891	0.004164493	0.269297093	0.019944951	5.95975E-06	65.25120544	6.19193E-05	0.0003264	0.000646367	0.003881924
2116 Aug	570.3280029	0.095787443	0.093034059	0.002469736	26.80644798	0.033232208	236.3332825	0.000777113	0.000777113	6.29691E-06	0.010385334	0.00419999	0.271897435	0.020010341	5.99324E-06	65.75009155	6.24084E-05	0.000328101	0.000650987	0.003914301
2116 Sep	572.3076172	0.095063299	0.091712125	0.002441024	26.52243614	0.033143662	237.3261566	0.000772762	0.000772762	6.29739E-06	0.010400398	0.0042159	0.273496956	0.01986897	5.98286E-06	65.86500549	6.25734E-05	0.000327096	0.000651236	0.003927825
2116 Oct	573.3260498	0.094651997	0.090520695	0.002415708	26.26143456	0.033064414	237.8719025	0.000768563	0.000768563	6.2914E-06	0.010410544	0.004222692	0.274510443	0.019703321	5.96825E-06	65.86818695	6.26442E-05	0.000325476	0.00065	0.003934683
2116 Nov	574.5091553	0.094623096	0.09039104	0.002412996	26.23139191	0.033054959	238.3953247	0.000768004	0.000768004	6.29654E-06	0.01042334	0.004230566	0.275222003	0.019681398	5.97059E-06	65.96511841	6.27536E-05	0.000325448	0.000650687	0.00394214
2116 Dec	574.8695679	0.094603367	0.090369821	0.002412448	26.22546959	0.033048172	238.553009	0.000767845	0.000767845	6.29812E-06	0.010426621	0.004233076	0.275434732	0.019678751	5.97139E-06	65.9967804	6.27876E-05	0.000325489	0.00065098	0.003944397
2117 Jan	575.0128174	0.094595641	0.090361439	0.002412228	26.22319221	0.033045314	238.615509	0.00076778	0.00076778	6.29874E-06	0.0104279	0.004234074	0.275518984	0.019677892	5.97169E-06	66.00947571	6.28011E-05	0.000325507	0.0006511	0.003945295
2117 Feb	575.0373535	0.094595276	0.09036079	0.002412207	26.22311783	0.033044953	238.6259766	0.000767775	0.000767775	6.29886E-06	0.010428131	0.00423425	0.275532782	0.019678151	5.97176E-06	66.01190186	6.28034E-05	0.000325513	0.000651127	0.003945453
2117 Mar	575.1130981	0.094607867	0.090372518	0.00241252	26.22661209	0.033049248	238.6572723	0.000767877	0.000767877	6.29969E-06	0.010429504	0.004234814	0.275568962	0.01968094	5.97255E-06	66.02071381	6.28117E-05	0.000325558	0.000651216	0.003945975
2117 Apr	575.5652466	0.094682455	0.090443596	0.002414417	26.24729347	0.033075254	238.8447876	0.000768482	0.000768482	6.30465E-06	0.01043771	0.004238147	0.275785476	0.019696556	5.97725E-06	66.0727005	6.2861E-05	0.000325815	0.00065173	0.003949079
2117 May	573.7418823	0.094753407	0.090364508	0.002413539	26.28993034	0.033073764	237.9617615	0.00077069	0.00077069	6.30306E-06	0.010427969	0.004228967	0.274628937	0.019833684	5.97878E-06	65.98860931	6.27164E-05	0.000326799	0.000652351	0.003939274
2117 Jun	567.5183716	0.094902545	0.090492822	0.002418002	26.41192436	0.033052552	235.1484375	0.000774099	0.000774099	6.2763E-06	0.010369577	0.004186661	0.270720035	0.02003759	5.96582E-06	65.54255676	6.21643E-05	0.000327501	0.000650139	0.003900628
2117 Jul	571.1513062	0.095101953	0.090676196	0.002425212	26.48679161	0.033232294	236.7103424	0.000778094	0.000778094	6.31482E-06	0.010431176	0.004214365	0.272601426	0.020116922	6.00022E-06	65.93621826	6.25548E-05	0.000329046	0.000653826	0.003925991
2117 Aug	574.2789917	0.095030695	0.090545602	0.002424273	26.48108482	0.033339083	238.0969391	0.000779614	0.000779614	6.34095E-06	0.010473406	0.004237953	0.274345577	0.020138267	6.02105E-06	66.25054932	6.28608E-05	0.000329893	0.000656566	0.003947343
2117 Sep	577.6832275	0.094858646	0.090193503	0.002417025	26.4126339	0.033348709	239.6187744	0.000778823	0.000778823	6.35968E-06	0.010511839	0.004262561	0.276362479	0.020114511	6.03217E-06	66.56109619	6.31892E-05	0.000330353	0.000659213	0.00396963
2117 Oct	578.5245972	0.094524294	0.089398183	0.002399908	26.24252701	0.033294354	240.0429535	0.000776408	0.000776408	6.35921E-06	0.010521809	0.004269862	0.277138472	0.020031549	6.02536E-06	66.59545898	6.32645E-05	0.00032966	0.000659067	0.003975822
2117 Nov	578.6847534	0.094434455	0.089174129	0.002395124	26.19521523	0.033281371	240.1293335	0.000775767	0.000775767	6.35879E-06	0.010524073	0.004271404	0.277312726	0.020008596	6.0233E-06	66.59843445	6.32786E-05	0.000329455	0.00065896	0.003977104
2117 Dec	579.109375	0.094410188	0.089142323	0.002394347	26.18702126	0.033273973	240.3157959	0.000775572	0.000775572	6.36067E-06	0.010528062	0.004274373	0.277565241	0.020004869	6.0242E-06	66.63554382	6.33188E-05	0.000329497	0.000659297	0.003979783
2118 Jan	579.2531128	0.094403312	0.089134105	0.002394135	26.1849041	0.033271417	240.3783264	0.000775516	0.000775516	6.36133E-06	0.010529403	0.004275384	0.277649611	0.020004284	6.02455E-06	66.64846039	6.33324E-05	0.000329517	0.000659421	0.003980691
2118 Feb	579.2623291	0.094405442	0.089135326	0.002394168	26.18550682	0.033271924	240.3816986	0.000775533	0.000775533	6.36145E-06	0.010529586	0.004275468	0.277653575	0.020005181	6.02466E-06	66.64987183	6.33334E-05	0.000329527	0.000659441	0.003980762
2118 Mar	579.2990723	0.094411992	0.089141071	0.002394322	26.18732834	0.033274099	240.3967285	0.000775587	0.000775587	6.36187E-06	0.010530272	0.004275749	0.27767089	0.020006808	6.02506E-06	66.65431976	6.33375E-05	0.000329552	0.000659489	0.003981019
2118 Apr	579.4406738	0.094469018	0.089167126	0.002395015	26.20375061	0.033286706	240.4409027	0.000776037	0.000776037	6.36451E-06	0.010533899	0.004277369	0.277717233	0.020034242	6.02767E-06	66.68451691	6.33544E-05	0.000329839	0.000659997	0.0039823
2118 May	572.0511475	0.094391502	0.088787146	0.002386669	26.24380112	0.033154696	237.042984	0.000778184	0.000778184	6.32976E-06	0.01045778	0.004232399	0.273342699	0.020306414	6.00423E-06	66.16498566	6.26762E-05	0.000330885	0.000658522	0.00393804
2118 Jun	558.520874	0.094547883	0.089380145	0.002399053	26.44923401	0.033019535	231.1746216	0.00077852	0.00077852	6.23447E-06	0.010282767	0.004128061	0.264960527	0.020443887	5.94146E-06	65.01160431	6.13566E-05	0.00032911	0.000649129	0.003847766
2118 Jul	563.0004272	0.094952784	0.089767545	0.002411086	26.57618523	0.033229358	233.0747833	0.000783583	0.000783583	6.28141E-06	0.010360555	0.00416137	0.26722315	0.02055564	5.98408E-06	65.50327301	6.18482E-05	0.000331238	0.000653834	0.003878507
2118 Aug	566.6263428	0.094277978	0.088965476	0.002394595	26.40533066	0.033238444	234.7569275	0.000781869	0.000781869	6.30047E-06	0.010391695	0.004188662	0.269541115	0.020475361	5.9926E-06	65.80802155	6.21583E-05	0.000331163	0.000656024	0.003902489
2118 Sep	567.6652832	0.093515903	0.087630674	0.002365322	26.09227943	0.033137355	235.4029388	0.000775726	0.000775726	6.2859E-06	0.010384072	0.004193491	0.270635843	0.020235106	5.96887E-06	65.77816772	6.2185E-05	0.00032883	0.000653883	0.003908121
2118 Oct	568.5205078	0.093670763	0.087583385	0.002364095	26.03805161	0.033125721	235.9412994	0.000771357	0.000771357	6.26592E-06	0.010372702	0.004187832	0.2710796	0.020020355	5.94924E-06	65.7382431	6.21877E-05	0.000326387	0.000650957	0.003909363
2118 Nov	569.4602661	0.093709938	0.087590054	0.002364095	26.02613258	0.033117961	236.3906555	0.000770151	0.000770151	6.26452E-06	0.010376808	0.004191188	0.271591663	0.019965503	5.94676E-06	65.79447937	6.22568E-05	0.000325892	0.000650825	0.003914145
2118 Dec	569.5181274	0.093712941	0.087589189	0.002364103	26.02631187	0.033119276	236.4152222	0.000770178	0.000770178	6.26501E-06	0.010377699	0.004191619	0.271623939	0.019966088	5.94714E-06	65.80023956	6.22627E-05	0.00032591	0.000650879	0.003914536
2119 Jan	569.6809082	0.093705691	0.087581031	0.00236389	26.02412987	0.033116605	236.4859924	0.000770119	0.000770119	6.26577E-06	0.01037923	0.004192756	0.271719009	0.019965405	5.94754E-06	65.81486511	6.22782E-05	0.000325932	0.000651018	0.003915564
2119 Feb	569.8079834	0.093702234	0.087577172	0.002363785	26.02317238	0.033115175	236.5409546	0.00077009	0.00077009	6.26642E-06	0.010380493	0.004193651	0.271791846	0.019965488	5.94794E-06	65.82667542	6.22903E-05	0.000325956	0.000651134	0.003916373
2119 Mar	569.9433594	0.093724027	0.087597191	0.002364326	26.02922821	0.033122767	236.5970154	0.000770268	0.000770268	6.2679E-06	0.010382933	0.004194652	0.271856576	0.019970344	5.94933E-06	65.84237671	6.23051E-05	0.000326034	0.000651292	0.003917304
2119 Apr	569.9400024	0.09386792	0.087624535	0.002364938	26.07210159	0.033139788	236.535614	0.000771306	0.000771306	6.27206E-06	0.010386774	0.004196872	0.271761894	0.020062745	5.95375E-06	65.89894867	6.23098E-05	0.000326875	0.00065271	0.003918488
2119 May	559.0837402	0.094384439	0.087819912	0.002366464	26.32488632	0.032973669	231.5065002	0.000773648	0.000773648	6.20793E-06	0.010251787	0.004126346	0.264895976	0.020572541	5.91225E-06	65.20497131	6.12371E-05	0.000328955	0.000651936	0.003851842
2119 Jun	555.7462158	0.094361782	0.088112772	0.002373432	26.39918518	0.032946497	230.129776	0.000773844	0.000773844	6.18135E-06	0.010206693	0.004096969	0.262690097	0.020574993	5.89632E-06	64.91117859	6.09295E-05	0.00032827	0.00064899	0.003828165
2119 Jul	560.7713013	0.094564512	0.088308863	0.002380905	26.47310638	0.033097588	232.2889862	0.000777858	0.000777858	6.22811E-06	0.010287358	0.004133778	0.265344292	0.020652942	5.93646E-06	65.43353271	6.148E-05	0.000330231	0.00065389	0.003861957
2119 Aug	564.5079346	0.0943629	0.087983482	0.002375965	26.42838669	0.033213284	233.962265	0.000778991	0.000778991	6.25748E-06	0.010334984	0.004161956	0.267502725	0.020652793	5.95826E-06	65.79708862	6.18332E-05	0.00033106	0.000656882	0.003887277
2119 Sep	567.078186	0.093594603	0.086819232	0.002350424	26.16402054	0.033123732	235.1905823	0.000774931	0.000774931	6.26276E-06	0.01035205	0.004181566	0.269425631	0.020508358	5.95156E-06	65.96072388	6.20393E-05	0.000330154	0.00065758	0.00390409
2119 Oct	568.4501343	0.093379632	0.086291946	0.002338622	26.02742195	0.033069186	235.8917694	0.000771452	0.000771452	6.25708E-06	0.010357709	0.004187763	0.270396709	0.020369127	5.94073E-06	66.0114975	6.21387E-05	0.000328854	0.000656838	0.003911699
2119 Nov	568.8212891	0.093395829	0.086253971	0.002337684	26.00529671	0.033060756	236.1008453	0.000770152	0.000770152	6.25224E-06	0.010355874	0.004187287	0.270609945	0.020307107	5.93553E-06	66.01127625	6.21534E-05	0.000328187	0.000656137	0.00391293
2119 Dec	569.0827637	0.093386784	0.086242892	0.002337407	26.0022583	0.033057682	236.2145081	0.000770079	0.000770079	6.25356E-06	0.010358495	0.00418911	0.270762026	0.020305945	5.93629E-06	66.03474426	6.21784E-05	0.000328224	0.000656355	0.003914587

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	7.1E-06	1.9E-10	7.2E-05	1.6E-04	4.0E-06	2.0E-08	4.7E-04	6.5E-08	3.2E-07	1.8E-08	6.3E-09	2.6E-09	7.2E-06	4.4E-11	5.5E-09	4.5E-08	3.4E-08	3.6E-09
Operations (2020-2043): Mean	7.3E-02	1.3E-05	9.3E+00	3.5E+01	2.1E-01	4.8E-03	3.8E+02	2.6E-02	1.4E-02	2.5E-03	3.8E-03	1.3E-03	8.2E-01	3.0E-06	2.2E-03	2.6E-03	4.2E-03	4.4E-03
Operations (2020-2043): Max	1.2E-01	2.1E-05	1.4E+01	5.7E+01	3.3E-01	0.0107	6.2E+02	4.4E-02	4.6E-02	4.8E-03	6.7E-03	2.4E-03	1.2E+00	6.3E-06	3.8E-03	4.6E-03	5.5E-03	7.6E-03
Active Closure (2044-2050): Min	2.0E-02	3.8E-06	1.8E+00	9.8E+00	3.7E-02	7.9E-04	5.0E+01	4.9E-03	4.7E-03	2.7E-04	6.9E-04	3.0E-04	1.6E-01	2.1E-06	2.6E-04	3.5E-04	1.3E-03	8.9E-04
Active Closure (2044-2050): Mean	3.5E-02	5.0E-06	2.7E+00	1.3E+01	6.1E-02	1.1E-03	9.8E+01	7.7E-03	5.6E-03	6.5E-04	1.1E-03	4.5E-04	2.3E-01	2.1E-06	5.1E-04	6.1E-04	1.7E-03	1.3E-03
Active Closure (2044-2050): Max	9.1E-02	1.3E-05	1.0E+01	3.9E+01	2.0E-01	3.8E-03	4.0E+02	2.4E-02	9.4E-03	3.3E-03	3.5E-03	1.3E-03	6.6E-01	2.4E-06	2.5E-03	1.9E-03	3.8E-03	4.0E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Post Closure (2051-2119): Min	3.7E-02	4.9E-06	2.1E+00	1.2E+01	5.5E-02	9.9E-04	8.2E+01	7.1E-03	5.6E-03	4.9E-04	9.8E-04	4.1E-04	2.2E-01	2.1E-06	3.6E-04	5.8E-04	1.7E-03	1.1E-03
Post Closure (2051-2119): Mean	9.1E-02	8.9E-06	3.0E+00	2.3E+01	1.1E-01	1.8E-03	1.6E+02	1.2E-02	7.8E-03	1.0E-03	1.8E-03	7.1E-04	3.6E-01	2.2E-06	5.7E-04	1.2E-03	2.6E-03	2.0E-03
Post Closure (2051-2119): Max	1.1E-01	1.0E-05	3.4E+00	3.0E+01	1.4E-01	2.2E-03	2.1E+02	1.5E-02	8.5E-03	1.3E-03	2.2E-03	8.7E-04	4.3E-01	2.2E-06	6.6E-04	1.4E-03	2.9E-03	2.5E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2119)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	7.06606E-06	1.92845E-10	7.20984E-05	0.00016286	3.98495E-06	1.95687E-08	0.000471337	6.53308E-08	3.16728E-07	1.80016E-08	6.30126E-09	2.60896E-09	7.22634E-06	4.438E-11	5.54077E-09	4.47709E-08	3.44075E-08	3.64397E-09
2024 Feb	1.67959E-05	4.75716E-10	0.000196542	0.000419169	9.90971E-06	8.17657E-08	0.001723295	1.98482E-07	8.93764E-07	4.34071E-08	2.01568E-08	6.72044E-09	2.08064E-05	1.23492E-10	2.23984E-08	1.20768E-07	9.58168E-08	1.78777E-08
2024 Mar	2.21031E-05	6.45898E-10	0.000287375	0.000587643	1.35369E-05	1.48284E-07	0.002949066	3.09683E-07	1.33932E-06	5.77259E-08	3.22792E-08	9.36415E-09	3.15359E-05	1.8328E-10	4.00983E-08	1.75434E-07	1.42185E-07	3.39723E-08
2024 Apr	2.50741E-05	7.49834E-10	0.000350768	0.000697749	1.57843E-05	2.03234E-07	0.003933475	3.93194E-07	1.65972E-06	6.60165E-08	4.1595E-08	1.10793E-08	3.93552E-05	2.25793E-10	5.46349E-08	2.13229E-07	1.75159E-07	4.75511E-08
2024 May	0.003248773	2.12301E-07	0.139135242	0.207312301	0.00347888	0.000154381	2.763763189	0.000216897	0.000762729	1.62605E-05	2.64209E-05	4.36512E-06	0.018291088	1.04902E-07	4.08542E-05	8.01793E-05	8.57015E-05	4.04838E-05
2024 Jun	0.016657442	1.23583E-06	0.795832634	1.149547458	0.018839644	0.000912396	15.98626518	0.001242097	0.004469519	8.02901E-05	0.000151536	2.27979E-05	0.105401598	6.17289E-07	0.000240872	0.000459715	0.000506024	0.000235906
2024 Jul	0.017344767	1.36243E-06	0.878364027	1.26179862	0.02031859	0.001014594	17.89231873	0.001387989	0.004937067	8.39585E-05	0.000170123	2.54356E-05	0.116587974	6.84147E-07	0.000268035	0.00050457	0.000561164	0.000264363
2024 Aug	0.018009609	1.50862E-06	0.990253866	1.420296669	0.022321897	0.001151361	20.57138443	0.001593438	0.005526164	8.93552E-05	0.000195518	2.97535E-05	0.131743982	7.68056E-07	0.00030417	0.00056122	0.000625343	0.000304024
2024 Sep	0.043881923	6.95568E-06	5.669594765	8.523205757	0.108142808	0.006645293	139.1390686	0.010836034	0.028926119	0.000376061	0.001381112	0.000259207	0.762362182	4.02424E-06	0.001772724	0.00288143	0.003196152	0.002039613
2024 Oct	0.04891685	8.37223E-06	6.971313953	10.42293835	0.130954131	0.008249826	171.8131104	0.013336932	0.035695795	0.000436451	0.001695652	0.000314316	0.940412164	4.94407E-06	0.002197939	0.003540517	0.003908309	0.00252229
2024 Nov	0.049724612	8.67156E-06	7.246337414	10.69370556	0.134944111	0.00869097	177.1696472	0.013681158	0.037633892	0.000425952	0.001726618	0.000309533	0.980839372	5.1852E-06	0.002308469	0.003708987	0.004074711	0.002608183
2024 Dec	0.049755245	8.68256E-06	7.260117531	10.71572113	0.135211587	0.008706682	177.5459595	0.013710665	0.037695125	0.000427039	0.00173057	0.000310359	0.982717156	5.19368E-06	0.002312767	0.003715795	0.00408187	0.002613671
2025 Jan	0.049862396	8.68581E-06	7.264427185	10.71938133	0.135322481	0.008713853	177.5936279	0.013712746	0.037728395	0.000426887	0.001730489	0.000310069	0.983367682	5.19741E-06	0.002314521	0.003719133	0.004084376	0.002614528
2025 Feb	0.050010864	8.68829E-06	7.268030167	10.72422218	0.135453224	0.008718307	177.6376801	0.013715613	0.037749972	0.000427139	0.001730675	0.000309976	0.983871281	5.19983E-06	0.002315655	0.003721805	0.004086197	0.00261522
2025 Mar	0.050098866	8.69083E-06	7.270956039	10.72830009	0.135542467	0.008721869	177.6853027	0.013719012	0.03776668	0.000427336	0.001731009	0.000309968	0.984275043	5.20184E-06	0.002316575	0.003723747	0.004087731	0.002615943
2025 Apr	0.050192054	8.69974E-06	7.278838634	10.73980618	0.135709181	0.008731346	177.8644257	0.01373269	0.037808467	0.000427815	0.001732682	0.000310231	0.985346138	5.20743E-06	0.002319077	0.003728034	0.0040921	0.002618592

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0.051026888	8.84155E-06	7.398623466	10.91841125	0.137964904	0.008873624	180.8118591	0.013961068	0.038422715	0.000435228	0.001761674	0.000315551	1.001532078	5.29226E-06	0.002356966	0.003789113	0.004159131	0.002661899
2025 Jun	0.049015541	9.43038E-06	7.963209629	11.12814331	0.146419123	0.009978699	189.6414337	0.01437906	0.043225918	0.000382317	0.001806097	0.000272694	1.093394279	5.91646E-06	0.00264202	0.004291002	0.004764705	0.00282719
2025 Jul	0.04770188	9.74369E-06	8.266701698	11.18783855	0.150641605	0.010611033	193.9380341	0.01454307	0.045969177	0.000346291	0.001817912	0.000243716	1.144116998	6.27173E-06	0.002804132	0.004569423	0.005094415	0.002912255
2025 Aug	0.048304927	9.8762E-06	8.472108841	11.67269135	0.155625671	0.010724685	201.4525146	0.015203291	0.046225015	0.000391116	0.001916675	0.000275818	1.168973565	6.33691E-06	0.002843702	0.004628752	0.005162665	0.003014096
2025 Sep	0.048217118	9.89486E-06	8.695201874	12.4517107	0.162661254	0.010666016	212.7870026	0.016279873	0.045480724	0.000482576	0.002092551	0.000342003	1.191414595	6.29767E-06	0.002849857	0.004640961	0.005192486	0.003159071
2025 Oct	0.048292413	9.87356E-06	8.878964424	13.17878246	0.168893412	0.010560529	223.1155396	0.017278934	0.044576831	0.000571324	0.002257495	0.000406362	1.208402157	6.22981E-06	0.002842946	0.004631538	0.005194254	0.003288891
2025 Nov	0.04833328	9.86819E-06	8.95980072	13.49262428	0.171615154	0.010517803	227.5922546	0.017711023	0.044200327	0.000609561	0.002328923	0.000434001	1.215979695	6.20277E-06	0.002840752	0.00462921	0.005197857	0.003345322
2025 Dec	0.048340797	9.8694E-06	8.961731911	13.49754429	0.171663731	0.010518639	227.6660919	0.017717639	0.044201903	0.000610028	0.002329935	0.00043434	1.216205239	6.20324E-06	0.002841071	0.004629727	0.005198481	0.003346308
2026 Jan	0.048356768	9.86959E-06	8.962304115	13.49936485	0.17168662	0.010518594	227.6880493	0.017719747	0.044201177	0.000610238	0.002330266	0.000434466	1.216264606	6.20322E-06	0.002841098	0.004629858	0.005198558	0.003346584
2026 Feb	0.048377145	9.86969E-06	8.962358475	13.49941635	0.171695739	0.010518639	227.6827393	0.017719295	0.044201992	0.000610247	0.002330177	0.000434437	1.216270685	6.20327E-06	0.002841099	0.004629968	0.005198542	0.003346508
2026 Mar	0.048396226	9.87144E-06	8.964558601	13.50417519	0.171751097	0.01052012	227.7542572	0.017725684	0.044207375	0.000610641	0.002331028	0.000434696	1.216519713	6.20417E-06	0.002841583	0.004630844	0.005199548	0.003347465
2026 Apr	0.04843995	9.87929E-06	8.973047256	13.52010727	0.171935245	0.010527715	228.0094299	0.017747357	0.044236928	0.000611741	0.002333927	0.000435464	1.217565298	6.20868E-06	0.002843826	0.004634592	0.005203924	0.00335101
2026 May	0.04911299	9.91266E-06	9.046689987	13.75393772	0.174297392	0.010519923	231.3220825	0.018077115	0.044130255	0.00063882	0.002378801	0.000452749	1.22325635	6.20814E-06	0.002849133	0.004648913	0.00522665	0.003391582
2026 Jun	0.059428662	9.87445E-06	8.697441101	13.70003891	0.174101681	0.009665933	224.9821625	0.017936232	0.041001718	0.000726253	0.002351954	0.000480554	1.15087831	5.84413E-06	0.002649111	0.004413188	0.005042748	0.003261054
2026 Jul	0.059669543	9.94428E-06	8.709353447	13.8340435	0.174785778	0.009580013	226.7866211	0.018162377	0.040647477	0.000745111	0.002382186	0.000494984	1.146913886	5.8195E-06	0.002634325	0.004392889	0.005050844	0.003278552
2026 Aug	0.059658311	9.99971E-06	8.954379082	14.79144478	0.182684824	0.009422458	240.7658844	0.019597933	0.039550677	0.000857007	0.002578588	0.000575533	1.159596086	5.74584E-06	0.002627962	0.004386512	0.005089934	0.003444773
2026 Sep	0.059428364	1.00229E-05	9.185347557	15.66412067	0.190063223	0.009301498	253.5506744	0.02089774	0.038627986	0.00095743	0.002757916	0.000647809	1.173117995	5.68234E-06	0.002627045	0.004391512	0.005131908	0.00359819
2026 Oct	0.058844455	9.98868E-06	9.477921486	16.96770096	0.200426131	0.009000602	272.2892761	0.022857387	0.036717217	0.001115732	0.003029195	0.000762204	1.183431149	5.52135E-06	0.002597551	0.004353759	0.005150736	0.00381684
2026 Nov	0.058882203	9.99444E-06	9.483766556	16.9828968	0.200571567	0.009002534	272.5149841	0.022878831	0.036722723	0.001117145	0.003032071	0.000763218	1.18398571	5.52298E-06	0.002598441	0.004355314	0.005153116	0.00381972
2026 Dec	0.058889184	9.99517E-06	9.483766556	16.98280907	0.200569853	0.00900255	272.5118408	0.022878582	0.036723576	0.001117123	0.003032025	0.000763206	1.183982372	5.52312E-06	0.002598433	0.004355301	0.005153161	0.003819675
2027 Jan	0.058896571	9.99525E-06	9.483491898	16.98234367	0.200566024	0.009002228	272.5014954	0.022877757	0.036722768	0.001117096	0.00303191	0.000763179	1.183944464	5.523E-06	0.002598338	0.004355177	0.005153022	0.003819525
2027 Feb	0.058904774	9.99529E-06	9.483375549	16.98218727	0.200566903	0.009002047	272.4960938	0.022877341	0.036722343	0.001117096	0.003031852	0.000763166	1.183927298	5.52293E-06	0.002598285	0.004355138	0.005152952	0.003819445
2027 Mar	0.05891607	9.99647E-06	9.484410286	16.98406792	0.200590611	0.00900299	272.5247192	0.022879763	0.036726367	0.001117226	0.003032172	0.000763247	1.184054971	5.52354E-06	0.002598558	0.004355621	0.005153511	0.003819844
2027 Apr	0.058972094	1.00056E-05	9.492982864	16.99943542	0.200772956	0.009011106	272.7703857	0.022900401	0.03675957	0.00111824	0.003034906	0.000763936	1.185124397	5.52853E-06	0.0026009	0.004359562	0.005158167	0.003823286
2027 May	0.059182256	1.00349E-05	9.608076096	17.41303635	0.204591155	0.008989178	278.8736877	0.023510277	0.036479987	0.001164709	0.003120617	0.000796362	1.195144653	5.51722E-06	0.002606874	0.004377264	0.005192122	0.003898683
2027 Jun	0.06127727	9.97675E-06	9.045507431	17.03430176	0.196872056	0.007968169	269.5637207	0.023112856	0.032493882	0.001204336	0.003092402	0.000822672	1.105459213	5.07479E-06	0.002353452	0.004015729	0.004942852	0.003732457
2027 Jul	0.062425345	1.00265E-05	8.794156075	16.61841774	0.191701531	0.007672348	262.1842346	0.022544898	0.031557295	0.001182136	0.003021383	0.000806919	1.070827603	4.96534E-06	0.002271664	0.003893972	0.004856776	0.003625314
2027 Aug	0.062658608	1.00912E-05	8.932553291	17.12372208	0.196175471	0.007638639	269.6231689	0.023293441	0.031198161	0.001238085	0.003125858	0.000847084	1.082407713	4.95339E-06	0.002276984	0.003909585	0.004895817	0.003716676
2027 Sep	0.062044796	1.00813E-05	9.227443695	18.41769218	0.20703873	0.007437688	288.5268555	0.025240706	0.029670916	0.001389871	0.003399738	0.000956728	1.102930784	4.83834E-06	0.00226333	0.003906371	0.004941276	0.003943834
2027 Oct	0.061864261	1.00665E-05	9.335235596	18.97287941	0.211454809	0.007312032	296.4729309	0.026079452	0.02885659	0.001457473	0.003517947	0.001005785	1.108522296	4.76905E-06	0.002247703	0.003889653	0.004946228	0.00403716
2027 Nov	0.061938625	1.00689E-05	9.331033707	18.9922123	0.211495861	0.007290077	296.6624451	0.026109409	0.02876165	0.00146085	0.003522186	0.001008378	1.10728085	4.75917E-06	0.002242738	0.003882044	0.004940571	0.004038342
2027 Dec	0.061927706	1.00693E-05	9.339101791	19.02274132	0.211765781	0.007287752	297.1166992	0.026154988	0.028736338	0.001464271	0.003528581	0.00101083	1.107957721	4.75767E-06	0.002243009	0.003882928	0.004942517	0.004043928
2028 Jan	0.061936777	1.00693E-05	9.338639259	19.02181244	0.211757883	0.007287323	297.0985107	0.026153443	0.028735319	0.001464204	0.003528365	0.001010771	1.107898593	4.7575E-06	0.002242874	0.003882743	0.004942287	0.004043674
2028 Feb	0.061949059	1.00695E-05	9.338562012	19.02169991	0.21176073	0.007287181	297.0926819	0.026152985	0.028735215	0.001464207	0.003528299	0.001010754	1.107886314	4.75747E-06	0.00224283	0.003882736	0.004942238	0.004043588
2028 Mar	0.061957661	1.00698E-05	9.338712692	19.02203178	0.211766899	0.007287249	297.0954895	0.026153263	0.028735755	0.00146424	0.003528334	0.001010766	1.107902288	4.75756E-06	0.002242852	0.003882814	0.004942313	0.004043622
2028 Apr	0.061989609	1.00743E-05	9.342835426	19.03044701	0.211862043	0.007290436	297.2254028	0.026164722	0.02874849	0.001464892	0.003529878	0.001011209	1.108390331	4.75966E-06	0.002243833	0.003884537	0.004944492	0.004045389
2028 May	0.062104017	1.00939E-05	9.364922523	19.08312416	0.212406874	0.007304086	298.038208	0.026236506	0.028793078	0.001469376	0.003539888	0.001014341	1.110923529	4.76835E-06	0.002248445	0.003892663	0.004955177	0.004055973
2028 Jun	0.06396278	1.0043E-05	8.537537575	17.54724884	0.194382668	0.00650011	272.0922546	0.024034705	0.026280317	0.00136429	0.003261853	0.000939519	1.004582524	4.44167E-06	0.00201408	0.003534679	0.004663109	0.003685366
2028 Jul	0.065180235	1.00869E-05	8.240147591	17.05535698	0.188149005	0.006177184	263.471283	0.02330886	0.025254186	0.00133419	0.003173691	0.000918171	0.96508491	4.32026E-06	0.001922678	0.003396278	0.004562514	0.00355675
2028 Aug	0.065908842	1.02246E-05	8.401390076	17.64253616	0.193006828	0.006191981	272.1382446	0.024046525	0.025082951	0.001389783	0.003282861	0.000958369	0.980897367	4.33954E-06	0.001938523	0.003425827	0.004622261	0.003654418
2028 Sep	0.06927038	1.01075E-05	8.413599968	22.14531326	0.211289555	0.004455019	331.321991	0.028526779	0.015383151	0.0018664	0.004033587	0.001322967	0.925329149	3.39151E-06	0.001564807	0.00280936	0.004182599	0.004081265
2028 Oct	0.069988333	9.94572E-06	8.720118523	26.35187149	0.233071834	0.003386676	389.5726013	0.032887969	0.008516836	0.002288294	0.004745742	0.001640085	0.920974851	2.75642E-06	0.001361382	0.002479676	0.00399565	0.004564341
2028 Nov	0.07292223	9.98974E-06	7.910547733	23.75954056	0.209203526	0.00308971	348.7463074	0.029476924	0.00886975	0.002046042	0.004240879	0.001469473	0.830455363	2.68237E-06	0.001225181	0.002235541	0.003690911	0.004076363
2028 Dec	0.07302504	9.99445E-06	7.892151356	23.69920158	0.208650678	0.00308299	347.7876892	0.029397912	0.008882469	0.002040395	0.004229109	0.001465503	0.828379989	2.68141E-06	0.001222046	0.002229944	0.003684213	0.004064987
2029 Jan	0.07327231	9.99446E-06	7.880968094	23.66236877	0.208415955	0.003078052	347.1440735	0.029345369	0.008889237	0.002037252	0.004221302	0.001462873	0.827125788	2.68012E-06	0.001219909	0.002227481	0.003679659	0.0040573
2029 Feb	0.07357014	9.99446E-06	7.876558304	23.64723969	0.208412632	0.00307535	346.8191833	0.0293194	0.0088942	0.002036202	0.004217426	0.001461578	0.826624691	2.67946E-06	0.001218821	0.002227357	0.003677591	0.00405336
2029 Mar	0.07374572	9.99679E-06	7.876040459	23.64467621	0.208459243	0.003074626	346.7268066	0.029312387	0.008898905	0.002036116	0.004216342	0.001461229	0.826549888	2.67973E-06	0.001218526	0.002227808	0.003677344	0.004052205
2029 Apr	0.07393527	1.00105E-05	7.885559559	23.67269516	0.208744779	0.003078051	347.1071472	0.029344983	0.008912606	0.002038603	0.00422099	0.001462854	0.827537477	2.68322E-06	0.001219878	0.002230834	0.003681786	0.004056608
2029 May	0.073980361	1.01091E-05	8.410642624	25.4998455	0.224750936	0.003282535	370.861084	0.031508494	0.008799869	0.002199041	0.004544651	0.00157355	0.88548243	2.75157E-06	0.001308165	0.002395098	0.003896955	0.00437091
2029 Jun	0.076143406	1.11924E-05	6.249894142	20.96128273	0.172328115	0.002411463	260.4689026	0.022998817	0.008112106	0.001611978	0.003435619	0.001172053	0.647269666	2.51573E-06	0.000969945	0.001968157	0.003679515	0.003373777
2029 Jul	0.085025012	1.41372E-05	4.237425804	18.08312798	0.113949582	0.001789309	162.0037079	0.014714721	0.008604112	0.000927829	0.002250044	0.000789749	0.423762083	2.44088E-06	0.00066299	0.001241906	0.002907705	0.002579558
2029 Aug	0.062183499	1.60795E-05	9.281970978	38.47886658	0.262412131	0.004079129	402.1123962	0.035549253	0.006930746	0.002275425	0.005351055	0.001877892	0.9853459	2.88885E-06	0.001548429	0.0026747	0.004620733	0.005957196
2029 Sep	0.063039675	1.4877E-05	9.18646431	37.03698349	0.257887512	0.004053234	397.3041687	0.035121739	0.007520352	0.002262395	0.005259882	0.001842016	0.9762128	2.79056E-06	0.001529834	0.002672832	0.004480078	0.005772267
2029 Oct	0.063085847	1.36555E-05	9.167273521	35.53524399	0.256210774	0.003983527	396.8350525	0.035098597	0.007585339	0.002299743	0.005230585	0.001826059	0.974882245	2.7363E-06	0.001517711	0.002674949	0.004403634	0.005612551
2029 Nov	0.060663734	1.27355E-05	10.38228607	37.9936142	0.290419519	0.004373479	454.1694031	0.040155128	0.007280927	0.002703004	0.00595215	0.002067396	1.108654857	2.87848E-06	0.001708549	0.003033222	0.004832118	0.006167743
2029 Dec	0.060546741	1.27029E-05	10.44622421	38.1448555	0.292238414	0.004395095	457.1874695	0.040420849	0.00726604	0.002723623	0.005990465	0.002080278	1.115697384	2.88632E-06	0.001718773	0.003052156	0.004855487	0.006199244
2030 Jan	0.060700525	1.27001E-05	10.43711567	38.10836029	0.29201445	0.004390879	456.7037048	0.040379107	0.007271694	0.002721097	0.005984128	0.00207812	1.114674687	2.88538E-06	0.001717023	0.003049866	0.004851642	0.006192576
2030 Feb	0.060885608	1.27002E-05	10.4344635	38.09638596	0.292002261	0.004389146	456.5133362	0.040363103	0.007276336	0.002720453	0.005981671	0.002077295	1.114366055	2.88524E-06	0.001716337	0.003049716	0.004850407	0.0061899
2030 Mar	0.061005827	1.27043E-05	10.43635559	38.10205078	0.292089015	0.004389605	456.5556946	0.040367302	0.007281191	0.002720973	0.005982246	0.002077509	1.114554405	2.88609E-06	0.001716512	0.003050609	0.004851286	0.006190422
2030 Apr	0.061157968	1.2724E-05	10.45172405	38.157444	0.292538404	0.004395878	457.204895	0.040424958	0.00729393	0.002724994	0.005990764	0.002080476	1.116187692	2.89053E-06	0.001718962	0.003055296	0.00485843	0.006199196
2030 May	0.06191989	1.28651E-05	10.59623241	38.72053909	0.296687931	0.00445568	464.1878052	0.040989611	0.00737312	0.002764676	0.006074799	0.002109684	1.131695747	2.9267E-06	0.001742844	0.00309817	0.00492506	0.006283806
2030 Jun	0.06947992	1.65453E-05	4.125306606	24.33541298	0.12207564	0.0020711	166.4572601	0.014669452	0.007425673	0.000768187	0.00241715	0.000844012	0.42075786	2.14785E-06	0.000715701	0.001417384	0.003215303	0.003242099
2030 Jul	0.068246782	1.81264E-05	6.337487221	36.89912796	0.187335998	0.003108249	309.3893127	0.023878118	0.007106842	0.001388746	0.003797556	0.001345246	0.665318489	2.46903E-06	0.001118759	0.001943195	0.003956148	0.004774954
2030 Aug	0.059300181	1.93666E-05	9.744553566	52.70320511	0.287768275	0.004656353	500.2608948	0.037898347	0.006403048	0.002338003	0.005882374	0.00208672	1.042470932	2.84522E-06	0.001718897	0.002865509	0.005117492	0.006988828
2030 Sep	0.056723893	2.05952E-05	10.41170883	57.36581421	0.308843583	0.005070437	536.4151611	0.040617652	0.00648677	0.002468832	0.006320952	0.002243909	1.117407322	2.90076E-06	0.001853414	0.003085004	0.005416592	0.007598308
2030 Oct	0.06125775	1.67569E-05	8.141400337	43.17612457	0.236008137	0.003948263	410.0782166	0.031124156	0.007305726	0.001905656	0.004799743	0.001706861	0.865432858	2.54662E-06	0.00142312	0.002395824	0.004280353	0.005686513
2030 Nov	0.061787918	1.57858E-05	8.199076653	41.95562363	0.236115128	0.003899206	413.7479553	0.03133643	0.007389737	0.001961381	0.004802523	0.001704208	0.87082237	2.55548E-06	0.001419257	0.002405302	0.004257842	0.005550956
2030 Dec	0.061866689	1.57698E-05	8.191745758	41.89203262	0.235847831	0.003894762	413.3055115	0.031303126	0.007399664	0.001959789	0.004796823	0.00170219	0.869962037	2.55568E-06	0.001417633	0.002402829	0.004254179	0.005542509
2031 Jan	0.062061865	1.57621E-05	8.183297157	41.84072876	0.235642105	0.003890105	412.7525024	0.031262681	0.007406719	0.001957636	0.004790423	0.001699973	0.869002938	2.55495E-06	0.001415828	0.002400824	0.004250136	0.005534956
2031 Feb	0.062288404	1.57581E-05	8.179879189	41.81684875	0.235621139	0.00388756	412.4691162	0.031242391	0.007411439	0.00195693	0.004787194	0.001698861	0.868608892	2.55457E-06	0.001414896	0.002400619	0.004248229	0.005531036
2031 Mar	0.062427592	1.57599E-05	8.180088997	41.81443405	0.235669419	0.003887159	412.4192505	0.031239251	0.007415888	0.001957041	0.004786648	0.001698686	0.868614316	2.555E-06	0.001414748	0.002401115	0.004248267	0.005530301
2031 Apr	0.062757894	1.58236E-05	8.22104454	42.0138588	0.236875966	0.003905601	414.5155945	0.031395461	0.007448121	0.00196748	0.004810441	0.001707084	0.872989297	2.56677E-06	0.001421685	0.002413379	0.004268704	0.00555636
2031 May	0.076530643	1.53573E-05	8.549749374	42.79067612	0.251899332	0.003928533	430.6080627	0.032368407	0.007620544	0.002148017	0.004955185	0.001756878	0.909094751	2.62705E-06	0.001453752	0.002575103	0.004423079	0.005582651
2031 Jun	0.124445215	1.5168E-05	5.078032017	27.02146149	0.16757521	0.002208589	218.1781158	0.016963977	0.008795329	0.00129859	0.002690072	0.0009655	0.521220982	2.30833E-06	0.00079394	0.001828245	0.003358059	0.003223668
2031 Jul	0.100822933	1.86691E-05	6.998332977	39.76309586	0.215887502	0.003269474	338.3881531	0.025494728	0.008571759	0.001674378	0.00405865	0.001439279	0.735549629	2.72189E-06	0.00119016	0.002278554	0.004372204	0.00490367
2031 Aug	0.056380235	1.81429E-05	9.885372162	54.94520569	0.293203294	0.00470092	524.0762329	0.038350161	0.006057352	0.002433153	0.005991935	0.002122058	1.066582918	2.77969E-06	0.001746744	0.002914113	0.005165624	0.006963915
2031 Sep	0.054243922	1.4652E-05	11.28400421	56.33597565	0.327881575	0.005074601	608.670166	0.044030976	0.006400539	0.002972497	0.006748236	0.002371045	1.220145941	2.92426E-06	0.001947544	0.003299155	0.005535641	0.007210172
2031 Oct	0.058760531	1.31921E-05	10.3998785	50.29197693	0.29887408	0.00462029	557.3654175	0.040294316	0.006996592	0.002756162	0.006138955	0.002155137	1.120457053	2.8224E-06	0.001775362	0.003031336	0.005098204	0.006427629
2031 Nov	0.057121366	1.28003E-05	11.1902895	53.27563858	0.322063208	0.004907614	604.4127808	0.04358492	0.006783533	0.003016932	0.0066283	0.00232191	1.20842123	2.91382E-06	0.00190732	0.003264245	0.005410256	0.006835124
2031 Dec	0.057189025	1.27955E-05	11.17813969	53.20747757	0.321674466	0.004902142	603.6767578	0.043532565	0.00679208	0.003013385	0.006620045	0.002319054	1.207036853	2.91314E-06	0.001905046	0.003260475	0.005405031	0.006826085
2032 Jan	0.057335433	1.27927E-05	11.1694994	53.16080093	0.321453452	0.004897932	603.112915	0.043492936	0.006797763	0.003010922	0.006613868	0.002316928	1.206056714	2.91232E-06	0.001903327	0.003258304	0.005401141	0.006819568
2032 Feb	0.057504863	1.27913E-05	11.16542816	53.13732529	0.321393371	0.004895533	602.8050537	0.043471623	0.006801562	0.003009854	0.00661054	0.002315788	1.205590963	2.91185E-06	0.001902387	0.003257707	0.005399138	0.006816012
2032 Mar	0.057609003	1.27933E-05	11.16565228	53.13617325	0.321430743	0.004895299	602.7695923	0.043469545	0.006805096	0.00300993	0.006610177	0.002315674	1.205601096	2.91223E-06	0.001902292	0.003258092	0.005399228	0.006815571

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.057763606	1.28159E-05	11.18450642	53.22465515	0.321990669	0.00490338	603.7608643	0.043541297	0.006818477	0.003015021	0.006621062	0.002319496	1.207628965	2.91732E-06	0.00190543	0.003263771	0.005408334	0.006826757
2032 May	0.058667492	1.29436E-05	11.33256054	54.52066803	0.327105343	0.004975256	619.3108521	0.044142235	0.006848973	0.003063306	0.006717683	0.002354904	1.223515868	2.94451E-06	0.001933123	0.003311312	0.005492317	0.006926974
2032 Jun	0.071456432	1.30206E-05	7.333118439	40.90616989	0.217506379	0.003266463	441.1395569	0.027794085	0.007267262	0.001946781	0.004341566	0.001525748	0.773894191	2.51236E-06	0.001249305	0.002292942	0.004374035	0.004585634
2032 Jul	0.067645431	1.45411E-05	5.89176178	36.86830902	0.176691994	0.002793357	353.3211365	0.022081619	0.007044184	0.001437829	0.003537705	0.001248722	0.616145432	2.30902E-06	0.001029357	0.001885317	0.003905957	0.004062149
2032 Aug	0.065934457	1.46922E-05	6.485572338	41.18877411	0.194909409	0.003087827	407.2131653	0.024580656	0.006903736	0.001617177	0.003920012	0.001389171	0.681558669	2.37251E-06	0.00114117	0.002035216	0.004131596	0.004459815
2032 Sep	0.065222785	1.4839E-05	6.695013523	42.81611252	0.201353461	0.003201036	425.7345276	0.025452761	0.006867317	0.001674851	0.004054833	0.001439316	0.70461446	2.39579E-06	0.001181571	0.002087658	0.004211744	0.004613132
2032 Oct	0.065137893	1.48938E-05	6.753761768	43.3045311	0.20313637	0.003235795	431.0410461	0.025694905	0.006878627	0.001689968	0.004092158	0.001453416	0.711091161	2.40223E-06	0.001193254	0.002101952	0.004232136	0.004658161
2032 Nov	0.06481865	1.48314E-05	6.906009674	44.26268005	0.207710758	0.003303811	444.8456421	0.026334038	0.006861365	0.001740073	0.004188105	0.001487902	0.727829278	2.41758E-06	0.001220689	0.002142969	0.00429015	0.00474363
2032 Dec	0.064548299	1.47702E-05	7.014772415	44.94878387	0.210951149	0.003352728	454.9513855	0.026791187	0.0068488	0.001776181	0.004256193	0.001512501	0.739792407	2.42736E-06	0.001240287	0.002171464	0.00432893	0.004803182
2033 Jan	0.064579837	1.47691E-05	7.013811588	44.94065475	0.210927963	0.003352155	454.8651733	0.026786229	0.00685008	0.001775922	0.004255365	0.001512216	0.739681959	2.42729E-06	0.001240059	0.002171234	0.004328319	0.004802197
2033 Feb	0.064619027	1.4769E-05	7.013605118	44.93776321	0.210934058	0.003351903	454.8277893	0.026784247	0.006851142	0.001775883	0.004255028	0.001512102	0.739655316	2.42732E-06	0.001239965	0.002171295	0.004328132	0.004801787
2033 Mar	0.064652592	1.47717E-05	7.014816761	44.94467545	0.210977197	0.003352398	454.8932495	0.026788222	0.006853014	0.001776197	0.004255648	0.001512325	0.739780426	2.4278E-06	0.001240148	0.002171739	0.004328847	0.00480247
2033 Apr	0.064731292	1.47869E-05	7.021971226	44.99002457	0.211196199	0.00335577	455.3497314	0.026815172	0.006860395	0.001778012	0.004259923	0.001513846	0.740533471	2.4303E-06	0.001241394	0.002173993	0.004333243	0.004807284
2033 May	0.074744686	1.44261E-05	7.141284466	43.89641953	0.217457548	0.003324529	442.6328735	0.027028693	0.007075391	0.001858308	0.004264527	0.001516379	0.751933038	2.45032E-06	0.001239489	0.002244117	0.004326124	0.004746932
2033 Jun	0.088877879	1.43494E-05	6.793521881	40.43756866	0.212043121	0.003098233	388.5735779	0.02521164	0.007316944	0.001793769	0.003969067	0.001415064	0.712338448	2.39473E-06	0.0011539	0.002204559	0.004123622	0.004451427
2033 Jul	0.088029511	1.46156E-05	6.806259155	40.66941833	0.212268859	0.003121066	385.7981873	0.025291761	0.007304861	0.001783338	0.003986014	0.00142104	0.713798165	2.40145E-06	0.001159645	0.00220655	0.004140283	0.004502489
2033 Aug	0.087845527	1.47815E-05	6.933814526	41.31549835	0.215926558	0.003182532	390.8406372	0.025821762	0.007318307	0.001814661	0.004066319	0.00144944	0.727614999	2.42607E-06	0.001182889	0.002241382	0.004196174	0.004596161
2033 Sep	0.084882863	1.47774E-05	7.150415421	41.94288635	0.221021518	0.003286168	395.1262512	0.026780698	0.007244023	0.001865537	0.004200019	0.001496349	0.751286924	2.44339E-06	0.001222096	0.002286745	0.004246157	0.004738073
2033 Oct	0.080834217	1.44456E-05	7.436977863	42.23914719	0.226944253	0.003403957	399.7803345	0.028052514	0.007196352	0.001942317	0.00436578	0.001553419	0.782287955	2.4643E-06	0.001270107	0.002341215	0.004288512	0.004872913
2033 Nov	0.080652274	1.44021E-05	7.433991909	42.09214401	0.226520464	0.003401296	398.589447	0.028040245	0.007217424	0.001940752	0.004360662	0.001551583	0.781825423	2.46529E-06	0.001268933	0.002336864	0.004279491	0.004862324
2033 Dec	0.080657139	1.44024E-05	7.434020996	42.09126282	0.226518199	0.003401297	398.5835266	0.028040146	0.00721821	0.001940745	0.00436062	0.00155157	0.781825006	2.46541E-06	0.001268927	0.002336848	0.004279499	0.004862234
2034 Jan	0.080664448	1.44022E-05	7.433744431	42.08929825	0.226511121	0.003401146	398.5631104	0.028038772	0.007218538	0.001940665	0.004360399	0.001551493	0.781793416	2.4654E-06	0.001268866	0.002336778	0.004279348	0.00486198
2034 Feb	0.080673672	1.44021E-05	7.433664799	42.08852768	0.226511717	0.003401073	398.5539246	0.028038178	0.007218777	0.001940647	0.004360301	0.00155146	0.781783879	2.4654E-06	0.001268838	0.002336784	0.004279291	0.004861863
2034 Mar	0.080682591	1.44028E-05	7.433980465	42.0901413	0.226522967	0.003401197	398.5681763	0.028039208	0.007219255	0.00194073	0.004360458	0.001551516	0.781816363	2.46551E-06	0.001268885	0.0023369	0.004279466	0.004862035
2034 Apr	0.080740839	1.44127E-05	7.43905735	42.11878967	0.22667864	0.003403509	398.8388672	0.028058266	0.007224284	0.001942057	0.00436342	0.001552571	0.782350004	2.46721E-06	0.001269747	0.002338506	0.004282386	0.004865336
2034 May	0.082541406	1.441E-05	7.425065517	41.96221161	0.226788178	0.003388795	396.8779297	0.027949795	0.007280265	0.001943778	0.004345758	0.001546795	0.780568361	2.47043E-06	0.001264563	0.002340708	0.004276597	0.004842171
2034 Jun	0.09123034	1.4275E-05	6.988782883	39.37109756	0.216681823	0.003157819	364.7082214	0.025912894	0.007494528	0.001843401	0.004034812	0.001439281	0.731969237	2.42146E-06	0.001175307	0.00224928	0.004093827	0.004513056
2034 Jul	0.089306593	1.43532E-05	7.148444176	40.31661606	0.220996976	0.003235953	373.1534729	0.026635787	0.007419351	0.001885027	0.004145967	0.001477921	0.74963212	2.44025E-06	0.001206629	0.002289273	0.004164967	0.004632206
2034 Aug	0.089627795	1.44829E-05	7.230960846	40.79794693	0.22342664	0.003275371	377.4384766	0.026963999	0.007461319	0.001906131	0.004196593	0.001495992	0.75844568	2.46202E-06	0.001221367	0.002312798	0.004207201	0.00468936
2034 Sep	0.087295532	1.44303E-05	7.44969511	41.91014862	0.229179159	0.003378759	389.5644836	0.027928233	0.007390527	0.001967277	0.004338628	0.001545997	0.782589495	2.48085E-06	0.00126217	0.002364722	0.004281385	0.004827325
2034 Oct	0.084403709	1.42296E-05	7.669277668	42.86072159	0.234481826	0.003477655	401.8717041	0.028908597	0.007322176	0.002031443	0.004478326	0.001594931	0.806760669	2.49666E-06	0.001302259	0.002411698	0.004343401	0.004946458
2034 Nov	0.084196009	1.42103E-05	7.699634075	42.98781967	0.235268831	0.003490304	403.6114502	0.029039014	0.007319946	0.002040765	0.004497055	0.001601467	0.810064673	2.5004E-06	0.001307548	0.002419109	0.004353832	0.004961946
2034 Dec	0.084198058	1.42104E-05	7.700196266	42.98999405	0.235283151	0.003490531	403.6417236	0.029041231	0.007320434	0.00204093	0.004497369	0.001601578	0.810123622	2.50056E-06	0.001307639	0.002419252	0.004354071	0.004962197
2035 Jan	0.084200129	1.421E-05	7.700582027	42.99160004	0.235294893	0.003490666	403.6668396	0.029042758	0.007320496	0.002041061	0.004497586	0.001601654	0.810165226	2.50061E-06	0.001307699	0.002419362	0.004354199	0.004962346
2035 Feb	0.084206305	1.421E-05	7.700590611	42.9915123	0.235297129	0.003490646	403.665802	0.029042615	0.007320671	0.002041067	0.004497561	0.001601645	0.810165584	2.50062E-06	0.001307692	0.002419384	0.004354194	0.004962307
2035 Mar	0.084211789	1.42104E-05	7.700761318	42.99235535	0.235303432	0.003490711	403.6730957	0.029043155	0.007320947	0.002041113	0.004497642	0.001601675	0.810183108	2.50068E-06	0.001307716	0.002419449	0.004354286	0.004962394
2035 Apr	0.084252909	1.4217E-05	7.704333782	43.01223755	0.235413224	0.003492323	403.859375	0.029056568	0.007324408	0.00204206	0.004499719	0.001602415	0.810558796	2.50185E-06	0.00130832	0.002420577	0.004356305	0.004964684
2035 May	0.084706724	1.42436E-05	7.715995312	43.08874512	0.235879615	0.003496693	404.5602417	0.029091455	0.007346252	0.002046162	0.004505293	0.001604534	0.81174916	2.50676E-06	0.001309957	0.002425375	0.004363772	0.004970431
2035 Jun	0.088434502	1.41203E-05	7.164059162	40.16114807	0.22054942	0.003235353	370.0127563	0.026719721	0.007463907	0.001894118	0.004150333	0.001479071	0.750838637	2.44401E-06	0.001207839	0.002285689	0.004159328	0.00460484
2035 Jul	0.08794751	1.42222E-05	7.08437252	39.98247147	0.218095645	0.003209593	365.9944763	0.026408741	0.007466887	0.001864734	0.0041086	0.001464158	0.742156506	2.43848E-06	0.001196197	0.002262937	0.004143486	0.004575893
2035 Aug	0.087493666	1.43156E-05	7.153687	40.67827988	0.220181361	0.003250773	372.9427795	0.026704315	0.007457982	0.001882361	0.004157066	0.001482118	0.749832809	2.4502E-06	0.001210715	0.002279387	0.004179073	0.004633245
2035 Sep	0.084608778	1.4169E-05	7.418687344	43.11972809	0.227819741	0.003390021	404.5184631	0.027878424	0.007346774	0.001967652	0.004341841	0.001549527	0.7795825	2.46894E-06	0.001264496	0.002339667	0.004290591	0.00480197
2035 Oct	0.083593406	1.40851E-05	7.495933056	43.89717484	0.229863599	0.003432682	415.3262939	0.028224232	0.007332894	0.00199313	0.004395642	0.001569394	0.788258255	2.47443E-06	0.001280579	0.002354373	0.004320377	0.004846164
2035 Nov	0.082965508	1.40374E-05	7.533249378	44.30327988	0.230850235	0.003454314	420.8934631	0.028395578	0.007317589	0.002005443	0.004422558	0.001579373	0.79250282	2.47544E-06	0.001288658	0.002361033	0.0043341	0.004868823
2035 Dec	0.082965247	1.40369E-05	7.533794403	44.30729675	0.230863139	0.003454561	420.9611206	0.028397772	0.007318134	0.002005629	0.004422877	0.001579491	0.792560458	2.47558E-06	0.001288754	0.002361139	0.004334328	0.004869002
2036 Jan	0.082969509	1.40367E-05	7.533701897	44.30662155	0.230861202	0.003454501	420.9568176	0.028397258	0.007318311	0.002005607	0.004422791	0.001579461	0.792549789	2.47558E-06	0.00128873	0.002361117	0.004334266	0.004868884
2036 Feb	0.082975708	1.40367E-05	7.533622265	44.30591583	0.230860889	0.003454439	420.948761	0.028396754	0.007318455	0.002005588	0.004422708	0.001579433	0.79254061	2.47557E-06	0.001288707	0.002361114	0.004334212	0.004868788
2036 Mar	0.082979165	1.40366E-05	7.533588886	44.30558777	0.230860993	0.00345441	420.9449463	0.028396515	0.007318542	0.002005579	0.004422669	0.001579419	0.792536616	2.47557E-06	0.001288696	0.002361115	0.004334189	0.004868742
2036 Apr	0.0830236	1.40429E-05	7.572850227	44.35328293	0.231064275	0.003464707	421.6138	0.028417975	0.007335353	0.00202098	0.004424707	0.001580754	0.792909682	2.47706E-06	0.00130236	0.002362138	0.004336615	0.004872518
2036 May	0.083213538	1.40687E-05	7.677480221	44.5004425	0.231722072	0.003492947	423.5417786	0.028488111	0.007383917	0.002061521	0.004432319	0.001585034	0.794308066	2.48249E-06	0.001337988	0.002366195	0.004345444	0.004884895
2036 Jun	0.082855865	1.39557E-05	9.050655365	44.07086945	0.226962686	0.003762557	426.9224854	0.027695201	0.008023859	0.002649947	0.004254518	0.001548915	0.762413144	2.46707E-06	0.001894392	0.002280724	0.004263134	0.004768379
2036 Jul	0.082213499	1.39788E-05	9.740015984	43.96847534	0.224472702	0.00390564	428.5834656	0.027319778	0.008338195	0.002940129	0.00417024	0.001532736	0.746713161	2.46153E-06	0.002174851	0.002234995	0.004223995	0.004725574
2036 Aug	0.082449429	1.40614E-05	10.09352779	44.3901825	0.226012573	0.003999107	434.1928711	0.027489729	0.008495145	0.003078282	0.004185198	0.001543767	0.749289334	2.47605E-06	0.002299627	0.002240793	0.004244384	0.00475934
2036 Sep	0.081582062	1.40567E-05	11.56765556	45.44958115	0.228924826	0.004359575	452.9515991	0.027773112	0.009038855	0.003674825	0.004175271	0.001565778	0.747172952	2.4869E-06	0.00284389	0.002226092	0.004252025	0.004817318
2036 Oct	0.080427498	1.39695E-05	13.45651436	46.56480026	0.231565014	0.004811665	475.5943298	0.028005594	0.009757889	0.004444765	0.004139394	0.001586237	0.740735471	2.49497E-06	0.003547036	0.00219601	0.004242284	0.004861793
2036 Nov	0.080077283	1.39433E-05	14.06190968	46.95668411	0.232633516	0.004957617	483.237915	0.028108416	0.009984003	0.004691019	0.00413256	0.001594289	0.73946923	2.49852E-06	0.003770994	0.002188824	0.004242769	0.004880148
2036 Dec	0.079972357	1.39339E-05	14.23226643	47.05838394	0.232888103	0.004998367	485.3189392	0.028131645	0.010048143	0.004760489	0.004129668	0.001596238	0.738949835	2.49925E-06	0.00383429	0.002186298	0.004242101	0.004884279
2037 Jan	0.079977416	1.39338E-05	14.23284245	47.05771255	0.232886195	0.004998456	485.3165894	0.028131029	0.010048654	0.004760739	0.004129538	0.001596206	0.738932431	2.49926E-06	0.003834521	0.002186259	0.004242023	0.004884158
2037 Feb	0.079984769	1.39339E-05	14.23279476	47.05749893	0.232888594	0.00499842	485.3128357	0.028130852	0.010048866	0.00476072	0.004129509	0.001596195	0.738932848	2.49928E-06	0.003834491	0.002186285	0.00424202	0.004884117
2037 Mar	0.079997875	1.39356E-05	14.23438644	47.06272125	0.232916355	0.004998969	485.3659363	0.028133949	0.010050124	0.004761251	0.004129962	0.001596371	0.73901701	2.49957E-06	0.00383491	0.002186548	0.004242501	0.00488465
2037 Apr	0.080026537	1.39402E-05	14.23906517	47.07817459	0.232993916	0.005000607	485.5248413	0.028143173	0.010053504	0.004762815	0.004131315	0.001596894	0.739260912	2.5004E-06	0.003836166	0.002187277	0.004243899	0.004886249
2037 May	0.082574435	1.39008E-05	14.03381252	46.42235184	0.231124029	0.004922691	477.7078552	0.027724123	0.010074395	0.004696848	0.004069896	0.001573739	0.730522692	2.49271E-06	0.003771923	0.002174226	0.004206496	0.004811556
2037 Jun	0.08549545	1.37673E-05	13.45976543	45.04465485	0.22645615	0.004737158	462.1771545	0.026922176	0.00994947	0.004497973	0.003953572	0.00152763	0.713159919	2.45963E-06	0.003591681	0.002141016	0.004122984	0.004669397
2037 Jul	0.085670114	1.38302E-05	13.46276379	45.27968597	0.227773756	0.004750086	465.6139221	0.027130086	0.009962544	0.004494254	0.003983312	0.001537994	0.718623161	2.47309E-06	0.003585697	0.002154989	0.004149437	0.004699066
2037 Aug	0.085877351	1.39047E-05	13.50390434	45.59274673	0.229388356	0.004774419	469.4569092	0.027360573	0.009984042	0.004504419	0.004016398	0.001550152	0.72468555	2.48652E-06	0.003592064	0.002170253	0.004176316	0.004735781
2037 Sep	0.085852154	1.39372E-05	13.49524689	45.74626541	0.230209395	0.004782248	471.721344	0.027499562	0.009981341	0.004497278	0.004035764	0.00155701	0.728384793	2.49296E-06	0.003584598	0.002178244	0.004189397	0.004755944
2037 Oct	0.085424162	1.38887E-05	13.37571335	45.60772324	0.229663447	0.004756927	471.6433411	0.027501833	0.009934197	0.004450345	0.004033611	0.001555253	0.72859931	2.48846E-06	0.003543949	0.002174026	0.00417874	0.004747184
2037 Nov	0.085381545	1.38831E-05	13.35696793	45.58840942	0.229598299	0.004753193	471.6983032	0.027505901	0.009929822	0.004442842	0.004033712	0.001555139	0.728742898	2.48842E-06	0.003537373	0.0021736	0.004177609	0.004746076
2037 Dec	0.08538238	1.38834E-05	13.35772991	45.59555817	0.229641899	0.004753728	471.8200684	0.02751267	0.009929904	0.004443035	0.004034641	0.001555473	0.728918195	2.48869E-06	0.003537413	0.002174021	0.004178251	0.004746932
2038 Jan	0.085385308	1.38834E-05	13.35756397	45.59506989	0.22964105	0.004753672	471.8156433	0.027512426	0.009929996	0.004442973	0.004034601	0.001555458	0.728914261	2.48869E-06	0.003537355	0.002174016	0.004178224	0.004746874
2038 Feb	0.085388996	1.38834E-05	13.35749912	45.59480667	0.229641616	0.004753638	471.8121033	0.027512241	0.00993008	0.004442949	0.004034572	0.001555447	0.728912175	2.4887E-06	0.003537328	0.002174023	0.00417821	0.004746838
2038 Mar	0.085393108	1.38838E-05	13.35779095	45.59578323	0.229647577	0.004753736	471.8217773	0.027512817	0.009930369	0.004443045	0.004034655	0.00155548	0.728928864	2.48876E-06	0.003537401	0.00217408	0.004178304	0.004746934
2038 Apr	0.085423484	1.38885E-05	13.36234283	45.61130524	0.229726344	0.004755353	471.9821777	0.027522177	0.009933793	0.004444559	0.004036027	0.001556009	0.729177773	2.48961E-06	0.003538604	0.002174827	0.00417973	0.004748547
2038 May	0.086390838	1.3897E-05	13.3157692	45.45978546	0.229415625	0.004736772	469.9841003	0.027417975	0.009956041	0.004429969	0.004020886	0.001550402	0.727204561	2.49052E-06	0.003523356	0.002173353	0.00417305	0.004730416
2038 Jun	0.089679189	1.37751E-05	12.84152222	43.99539566	0.223984227	0.004564544	452.2443848	0.02645709	0.009915581	0.004272392	0.003882441	0.001497706	0.705653071	2.46081E-06	0.003381741	0.002131006	0.00408131	0.004568221
2038 Jul	0.090306222	1.38779E-05	12.90264702	44.2729454	0.225384742	0.004589778	455.2617798	0.026630308	0.009983447	0.004291186	0.003908158	0.001507455	0.710410237	2.47977E-06	0.003395956	0.002145232	0.00411131	0.004597242
2038 Aug	0.090701051	1.3976E-05	12.95692444	44.61882782	0.227031559	0.004618501	459.0875854	0.026845628	0.010026855	0.004306279	0.00393976	0.00151968	0.716378927	2.49651E-06	0.003407078	0.002160343	0.004140304	0.004634327
2038 Sep	0.090482853	1.39813E-05	12.91434097	44.70275116	0.227324799	0.004617617	460.5414429	0.026913267	0.01000644	0.004287838	0.003949323	0.001523416	0.718558252	2.4979E-06	0.003391013	0.002162724	0.004143891	0.004644318
2038 Oct	0.090239435	1.39554E-05	12.84286785	44.620121	0.226830512	0.004603056	460.2278442	0.026880436	0.009984988	0.004260356	0.003943783	0.001521375	0.718066573	2.49504E-06	0.003368068	0.002158038	0.004135346	0.004636071
2038 Nov	0.09023644	1.39563E-05	12.84204292	44.64470291	0.226956502	0.004604479	460.6488342	0.026900539	0.009985084	0.004259719	0.003946573	0.001522454	0.718647182	2.49594E-06	0.003367178	0.002159189	0.004137178	0.004638674
2038 Dec	0.090234295	1.39561E-05	12.84216881	44.65003586	0.226985514	0.004604822	460.7437134	0.026905023	0.009984883	0.004259723	0.003947195	0.001522693	0.718773127	2.49609E-06	0.003367089	0.002159452	0.004137572	0.004639233
2039 Jan	0.090235658	1.39559E-05	12.84207821	44.65121078	0.226993352	0.004604876	460.7666321	0.026906094	0.0099848	0.004259681	0.003947339	0.001522749	0.718805909	2.49612E-06	0.003367024	0.002159523	0.004137652	0.004639347
2039 Feb	0.090238392	1.39558E-05	12.84203625	44.65184021	0.226998612	0.004604902	460.77771	0.026906643	0.00998477	0.004259664	0.003947411	0.001522777	0.718824506	2.49613E-06	0.00336699	0.002159571	0.004137694	0.004639402

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.090248272	1.39571E-05	12.84320354	44.65631104	0.227022454	0.004605342	460.8262024	0.026909424	0.009985683	0.00426005	0.003947815	0.001522933	0.718900919	2.49637E-06	0.003367285	0.002159797	0.004138099	0.00463986
2039 Apr	0.090281136	1.3962E-05	12.84769917	44.67194366	0.227102548	0.004606952	460.9874268	0.026918842	0.009989217	0.004261541	0.003949196	0.001523466	0.719153464	2.49725E-06	0.00336846	0.002160559	0.00413955	0.004641483
2039 May	0.090458155	1.39873E-05	12.86904716	44.75004959	0.227505609	0.004614777	461.7754822	0.026965365	0.01000679	0.004268588	0.003956042	0.001526111	0.72041899	2.50165E-06	0.003373954	0.002164416	0.004146811	0.00464958
2039 Jun	0.088938735	1.376E-05	12.38758469	43.86209869	0.223136827	0.004486874	455.5733643	0.02656368	0.009818221	0.004097536	0.003897002	0.001501372	0.711624086	2.48135E-06	0.003228713	0.002132235	0.004107492	0.004555018
2039 Jul	0.08787851	1.36283E-05	11.98074341	42.79307556	0.217421547	0.004359576	443.8086853	0.025911974	0.009682506	0.003952043	0.003803429	0.00146454	0.695282817	2.45433E-06	0.00311323	0.00208238	0.004036817	0.004444328
2039 Aug	0.087651432	1.35967E-05	11.81690121	42.48646164	0.215706587	0.004317137	440.9907532	0.025748558	0.009638675	0.003891761	0.00377788	0.001454989	0.691724539	2.45137E-06	0.003063765	0.002064384	0.004011846	0.00441204
2039 Sep	0.087682411	1.36185E-05	11.81787491	42.63945007	0.216423988	0.00432753	443.0475769	0.02585981	0.009644412	0.003890068	0.00379338	0.001461022	0.695014358	2.45744E-06	0.003061291	0.002070688	0.004022828	0.004428
2039 Oct	0.087541662	1.36033E-05	11.78687477	42.63951492	0.216381863	0.004323981	443.4102783	0.025874333	0.009631788	0.003878132	0.003794779	0.00146162	0.695668578	2.4566E-06	0.003051055	0.002070021	0.004020825	0.004427888
2039 Nov	0.087552607	1.36058E-05	11.79129505	42.67493057	0.216565385	0.004326863	443.9066467	0.025900463	0.009633007	0.003879533	0.003798449	0.001463033	0.696398795	2.45776E-06	0.003051858	0.002071681	0.004023521	0.004431535
2039 Dec	0.087555803	1.36063E-05	11.79195786	42.67967224	0.216589957	0.004327262	443.9716492	0.025903914	0.009633374	0.003879741	0.003798934	0.001463219	0.696495473	2.45795E-06	0.003051985	0.002071906	0.0040239	0.004432021
2040 Jan	0.087556154	1.36062E-05	11.79192352	42.68094635	0.216597021	0.004327341	443.9929199	0.025904944	0.00963327	0.00387973	0.003799068	0.001463273	0.696526229	2.45797E-06	0.003051956	0.002071965	0.004023972	0.004432136
2040 Feb	0.087557711	1.36061E-05	11.79196835	42.68230057	0.216604307	0.004327434	444.0126038	0.025905909	0.009633236	0.003879751	0.00379919	0.001463323	0.696554899	2.45799E-06	0.003051959	0.002072025	0.00402405	0.004432252
2040 Mar	0.087567084	1.36074E-05	11.79315186	42.68730164	0.216629848	0.004327915	444.0679932	0.025909029	0.009634155	0.003880145	0.003799636	0.001463497	0.696640253	2.45825E-06	0.00305226	0.002072264	0.00402449	0.004432756
2040 Apr	0.087597571	1.36121E-05	11.79725361	42.70282745	0.216708571	0.004329465	444.2328186	0.025918538	0.009637445	0.003881498	0.003801021	0.001464032	0.69689697	2.45911E-06	0.003053319	0.002073011	0.004025924	0.004434356
2040 May	0.08810702	1.36269E-05	11.79226112	42.69620132	0.216879204	0.004327391	444.0828552	0.025912089	0.009656865	0.003880511	0.003799841	0.001463721	0.697081029	2.46224E-06	0.003050758	0.002075151	0.004028019	0.004432272
2040 Jun	0.091023803	1.34658E-05	11.34934044	41.11760712	0.21081987	0.004155003	425.5355835	0.024896735	0.009629527	0.003736445	0.003652428	0.001407453	0.67336607	2.43118E-06	0.002922276	0.002027145	0.003931388	0.004256763
2040 Jul	0.091159195	1.35069E-05	11.34006882	41.26565552	0.211388543	0.004163166	427.3121643	0.024991216	0.009643286	0.003732147	0.003665083	0.001412496	0.67615062	2.43942E-06	0.002918608	0.002032716	0.003945708	0.004270076
2040 Aug	0.091361143	1.35584E-05	11.3709383	41.58501434	0.212813109	0.004188546	431.1966248	0.02519753	0.00966317	0.003741991	0.003692908	0.001423727	0.681935966	2.45106E-06	0.002925647	0.002044655	0.003968228	0.004300643
2040 Sep	0.091212876	1.35614E-05	11.35754681	41.76754379	0.213514492	0.004199983	433.7789917	0.025324117	0.009650263	0.003736873	0.003708469	0.001430364	0.685639501	2.45474E-06	0.002920998	0.00204947	0.003977044	0.004316462
2040 Oct	0.091198854	1.35597E-05	11.34158802	41.78047562	0.213504657	0.004199643	434.1103821	0.025336713	0.009652117	0.003730929	0.003709199	0.00143088	0.686135292	2.45566E-06	0.002916258	0.002048998	0.003976698	0.00431656
2040 Nov	0.091209225	1.3562E-05	11.34401894	41.8158493	0.213664845	0.004202439	434.5985413	0.025361272	0.009653506	0.003731774	0.003712391	0.001432182	0.686828673	2.45674E-06	0.002916768	0.002050328	0.003979006	0.004319786
2040 Dec	0.091208756	1.3562E-05	11.3444128	41.8219223	0.213692635	0.00420291	434.6851807	0.025365569	0.009653471	0.003731924	0.003712949	0.001432409	0.686948895	2.45688E-06	0.002916853	0.002050555	0.00397938	0.004320338
2041 Jan	0.091209322	1.3562E-05	11.34451199	41.82451248	0.213705152	0.004203099	434.7200928	0.025367424	0.009653397	0.003731967	0.003713186	0.001432506	0.687002003	2.45693E-06	0.002916868	0.002050657	0.003979529	0.004320566
2041 Feb	0.091211505	1.3562E-05	11.34461117	41.82573318	0.213711917	0.00420319	434.7339172	0.025368264	0.009653441	0.003732004	0.003713295	0.001432551	0.687026918	2.45696E-06	0.002916886	0.002050715	0.003979608	0.004320672
2041 Mar	0.091219395	1.3563E-05	11.34552193	41.82970428	0.213732392	0.004203567	434.7760925	0.025370747	0.009654173	0.003732307	0.003713648	0.001432689	0.687095523	2.45716E-06	0.002917116	0.002050906	0.003979958	0.00432107
2041 Apr	0.091243267	1.35665E-05	11.3484869	41.84123993	0.213791251	0.004204706	434.8969421	0.025377817	0.009656638	0.003733286	0.003714674	0.001433086	0.687287807	2.45781E-06	0.002917875	0.002051466	0.003981027	0.00432225
2041 May	0.091306813	1.3574E-05	11.36572456	42.03521729	0.214721456	0.004219897	437.1171875	0.025511513	0.009657572	0.003739827	0.003732366	0.001440237	0.691034794	2.46246E-06	0.002921827	0.00205932	0.003993648	0.004340182
2041 Jun	0.09060052	1.3435E-05	11.03274822	41.0172081	0.209515288	0.004107654	425.9863892	0.024908043	0.00957992	0.00362508	0.003644188	0.001405454	0.675515592	2.44282E-06	0.002830559	0.002017397	0.00394009	0.004229375
2041 Jul	0.089825243	1.33244E-05	10.7577467	40.11116791	0.20476298	0.004010632	415.5489807	0.024341255	0.009499231	0.003528994	0.003562883	0.001373471	0.660689592	2.42042E-06	0.002756157	0.001977192	0.003884	0.004134102
2041 Aug	0.090228498	1.33953E-05	10.80961514	40.44543457	0.20634079	0.004039668	419.0734253	0.024555936	0.009540929	0.003545952	0.003592436	0.001385243	0.666654229	2.43567E-06	0.002768785	0.001991097	0.0039107	0.004166669
2041 Sep	0.090192497	1.34076E-05	10.82000637	40.69550705	0.207428843	0.004058429	421.8114014	0.024726948	0.009538698	0.00354944	0.003614585	0.001394349	0.671491086	2.44174E-06	0.002770599	0.001999707	0.003925489	0.00418957
2041 Oct	0.090056904	1.33923E-05	10.79975605	40.76345825	0.207643911	0.004061452	422.596344	0.02478116	0.009527761	0.00354243	0.003620383	0.001397003	0.673158765	2.44181E-06	0.002764602	0.002000705	0.003926618	0.004194345
2041 Nov	0.09006907	1.3395E-05	10.8032341	40.81157303	0.207863167	0.004065278	423.1499939	0.024814732	0.009529424	0.003543659	0.003624743	0.001398782	0.674104512	2.44322E-06	0.002765349	0.002002518	0.00392972	0.004198732
2041 Dec	0.090068288	1.33952E-05	10.80416298	40.82302475	0.207916111	0.004066184	423.2839966	0.024822749	0.009529338	0.003544009	0.003625795	0.001399208	0.674327254	2.44347E-06	0.002765565	0.002002954	0.00393043	0.004199789
2042 Jan	0.090069793	1.33952E-05	10.80435753	40.82575607	0.207929492	0.004066394	423.3146973	0.024824666	0.009529361	0.003544083	0.003626043	0.001399309	0.674381852	2.44354E-06	0.002765605	0.002003065	0.003930599	0.004200034
2042 Feb	0.090071648	1.33952E-05	10.80439281	40.82658005	0.207934394	0.004066451	423.322052	0.024825247	0.009529364	0.003544098	0.003626116	0.001399339	0.674399793	2.44355E-06	0.002765607	0.002003106	0.003930647	0.004200102
2042 Mar	0.090077385	1.33959E-05	10.80503845	40.82978439	0.20795086	0.004066744	423.3542786	0.024827292	0.009529864	0.003544315	0.003626403	0.001399452	0.674456596	2.4437E-06	0.002765768	0.002003258	0.003930918	0.004200418
2042 Apr	0.090130426	1.34039E-05	10.81188011	40.85921478	0.20809868	0.004069564	423.6557922	0.024845652	0.009535398	0.003546582	0.003629032	0.001400476	0.674957633	2.44525E-06	0.00276751	0.002004648	0.003933567	0.004203391
2042 May	0.090442277	1.34311E-05	10.830466627	40.94949722	0.208614692	0.004077601	424.5169373	0.024901869	0.009556964	0.003553009	0.003636931	0.001403611	0.676609337	2.45078E-06	0.002771821	0.002009619	0.003942262	0.004211989
2042 Jun	0.090188183	1.33418E-05	10.59702969	40.07696152	0.20433493	0.003987802	414.7431641	0.024362097	0.009516743	0.003472301	0.003560094	0.001373166	0.662551582	2.43463E-06	0.002708107	0.001975218	0.003895112	0.004119966
2042 Jul	0.089808561	1.32788E-05	10.43107796	39.59797287	0.201786608	0.003934027	408.9630737	0.024075557	0.00947516	0.003414639	0.003517654	0.001356661	0.655207515	2.42516E-06	0.002662638	0.001953261	0.003866449	0.004067781
2042 Aug	0.089164302	1.32093E-05	10.32212734	39.50956726	0.201030016	0.003916689	407.1736145	0.024049075	0.009410839	0.003376676	0.003508609	0.001354372	0.655043125	2.41886E-06	0.002631935	0.001942444	0.003849214	0.004053434
2042 Sep	0.088821165	1.31724E-05	10.2609272	39.47628403	0.200676739	0.003908886	406.328186	0.024047555	0.009381899	0.003354991	0.003504928	0.001353742	0.655387998	2.41668E-06	0.002614429	0.001937026	0.003840697	0.004046476
2042 Oct	0.088635273	1.31443E-05	10.22625446	39.47068024	0.200532719	0.003905516	405.9849243	0.024056174	0.009367279	0.003342989	0.003504106	0.00135384	0.655841112	2.41443E-06	0.002604655	0.001934733	0.003835938	0.004043707
2042 Nov	0.088645443	1.31471E-05	10.23166656	39.52530289	0.200787187	0.003909955	406.5147095	0.024093855	0.009368416	0.003344943	0.003509093	0.001355853	0.656887233	2.41587E-06	0.002605945	0.001936868	0.00383951	0.004048802
2042 Dec	0.088644564	1.31472E-05	10.23240948	39.53423309	0.200828508	0.003910664	406.6013184	0.024100106	0.00936832	0.003345223	0.003509914	0.001356186	0.657060564	2.41606E-06	0.002606119	0.001937208	0.00384006	0.004049629
2043 Jan	0.08864408	1.31471E-05	10.23258972	39.53763199	0.200844586	0.003910918	406.6326599	0.024102524	0.009368162	0.003345299	0.003510226	0.001356313	0.657128751	2.41611E-06	0.002606157	0.001937337	0.003840249	0.004049934
2043 Feb	0.088645659	1.31471E-05	10.23261452	39.53806305	0.200847447	0.003910947	406.635498	0.024102824	0.009368186	0.003345309	0.003510264	0.001356329	0.657138348	2.41612E-06	0.002606158	0.001937362	0.003840275	0.004049968
2043 Mar	0.088648833	1.31474E-05	10.23286438	39.53902054	0.200852782	0.003911041	406.6450806	0.024103403	0.009368444	0.00334539	0.003510347	0.001356361	0.657154858	2.41619E-06	0.00260622	0.001937414	0.00384037	0.004050063
2043 Apr	0.088699795	1.31549E-05	10.23868084	39.56150436	0.200967252	0.003913263	406.8761597	0.024117105	0.009373785	0.003347292	0.003512342	0.001357132	0.657528818	2.41756E-06	0.0026077	0.001938518	0.003842554	0.004052365
2043 May	0.089104287	1.31806E-05	10.25061131	39.61068344	0.201334953	0.003917481	407.2825317	0.024145927	0.009397533	0.003351592	0.003516421	0.001358784	0.658508539	2.42256E-06	0.002610052	0.001942341	0.003848888	0.004056648
2043 Jun	0.091109991	1.3067E-05	9.997731209	38.60380173	0.197662577	0.003811518	395.7513428	0.023508755	0.009392412	0.003271236	0.003424004	0.001323418	0.643540323	2.40349E-06	0.002536363	0.001913668	0.003788499	0.003944885
2043 Jul	0.091403566	1.31099E-05	10.00171471	38.72574997	0.198203519	0.003819974	396.4302063	0.023592863	0.009422183	0.003271884	0.003435072	0.001327844	0.646000028	2.41374E-06	0.002536272	0.001918865	0.00380227	0.003955564
2043 Aug	0.091632962	1.31548E-05	10.02714539	38.96135712	0.199281991	0.003839587	398.2175293	0.023750035	0.009447871	0.003279831	0.00345587	0.001336326	0.650453627	2.425E-06	0.002541855	0.001927824	0.003820234	0.00397761
2043 Sep	0.091436401	1.31429E-05	10.017519	39.13006592	0.199963957	0.003850857	399.0835876	0.023875492	0.009431583	0.003276635	0.003471005	0.001342801	0.654070079	2.42767E-06	0.002538409	0.001932312	0.003827681	0.003991833
2043 Oct	0.091252379	1.31134E-05	9.983789444	39.15628433	0.199959934	0.003850262	398.6721497	0.023910327	0.009420606	0.003264978	0.003473275	0.00134421	0.655272186	2.42679E-06	0.002528707	0.001931074	0.003824867	0.003991602
2043 Nov	0.091147766	1.30896E-05	9.946105003	39.06436539	0.199435681	0.003840897	397.4333801	0.023860941	0.009417031	0.003251587	0.003464748	0.001341188	0.654122412	2.42443E-06	0.002518258	0.001925789	0.003815904	0.0039807
2043 Dec	0.091150254	1.30899E-05	9.946264267	39.06639862	0.199444979	0.00384107	397.4485779	0.023862381	0.00941736	0.003251636	0.003464931	0.001341264	0.654164016	2.42453E-06	0.002518288	0.001925868	0.003816055	0.00398088
2044 Jan	0.091152817	1.309E-05	9.946285248	39.06691742	0.199448347	0.003841107	397.4515686	0.023862746	0.009417476	0.003251641	0.003464974	0.001341283	0.654176176	2.42456E-06	0.002518286	0.001925897	0.003816091	0.003980919
2044 Feb	0.091159679	1.30906E-05	9.946726799	39.06882477	0.199459389	0.003841283	397.469635	0.023863917	0.009417956	0.003251786	0.00346514	0.001341348	0.654210508	2.42468E-06	0.00251839	0.001926002	0.003816273	0.003981103
2044 Mar	0.091170259	1.30919E-05	9.947694778	39.0725975	0.199479476	0.003841652	397.5077209	0.023866212	0.009418925	0.003252102	0.003465473	0.001341477	0.654274583	2.42492E-06	0.002518632	0.001926197	0.003816645	0.003981484
2044 Apr	0.091193721	1.30951E-05	9.95015049	39.08223724	0.199529111	0.003842598	397.6055603	0.023872091	0.00942128	0.003252904	0.003466326	0.001341807	0.654436409	2.42552E-06	0.002519252	0.001926676	0.003817588	0.003982463
2044 May	0.091374874	1.31179E-05	9.96677494	39.14855576	0.199878827	0.003849033	398.2676697	0.023912553	0.009438164	0.003258382	0.003472181	0.001344082	0.655565083	2.42978E-06	0.002523392	0.001930073	0.003824177	0.003989139
2044 Jun	0.090215087	1.28095E-05	9.574905396	37.60186005	0.192406029	0.003692358	381.5941467	0.022965655	0.009308307	0.003124795	0.003335083	0.001290836	0.630777359	2.40009E-06	0.002416143	0.001865936	0.003723269	0.00382552
2044 Jul	0.085734539	1.20926E-05	9.011587143	35.32334137	0.180547029	0.003464135	357.6027222	0.021572905	0.009025628	0.002926544	0.0031291	0.001212982	0.593372285	2.38229E-06	0.002261089	0.001755155	0.003549234	0.003586085
2044 Aug	0.04445152	6.61717E-06	4.662255764	19.49573135	0.092228509	0.001794706	170.0282135	0.011297985	0.006589176	0.001295959	0.001619786	0.000652779	0.325894564	2.43706E-06	0.001028754	0.000892897	0.00226459	0.001922019
2044 Sep	0.020108826	3.93059E-06	1.814827442	9.864128113	0.037441872	0.000785559	50.34379959	0.004861617	0.004700073	0.000271266	0.000689678	0.000300653	0.15576607	2.05026E-06	0.000263349	0.000354546	0.001328672	0.000943347
2044 Oct	0.020904992	3.76233E-06	1.864672542	10.01746655	0.038856797	0.000808409	54.85606384	0.005124511	0.004873442	0.000300543	0.0007173	0.000311821	0.163160115	2.05168E-06	0.000272938	0.000369775	0.001341778	0.000945533
2044 Nov	0.021574682	3.8883E-06	1.925285697	10.51496124	0.041150644	0.000852257	58.70318222	0.005440608	0.004919332	0.000321428	0.000760739	0.000328931	0.171917394	2.05681E-06	0.000289196	0.000390118	0.001374285	0.000994764
2044 Dec	0.021614809	3.89524E-06	1.936355948	10.5994997	0.041562714	0.000859527	59.46579361	0.005499121	0.004920882	0.000325628	0.000768622	0.000332055	0.173512399	2.05794E-06	0.00029211	0.000393669	0.001379803	0.00100285
2045 Jan	0.021638677	3.89705E-06	1.938720822	10.61709309	0.041655645	0.000861037	59.62459946	0.005511317	0.004921658	0.000326537	0.000770255	0.000332702	0.173853099	2.05815E-06	0.000292714	0.000394484	0.001380964	0.0010045
2045 Feb	0.021658359	3.89755E-06	1.939151406	10.61972332	0.041677639	0.000861242	59.64694595	0.00551307	0.004922143	0.000326707	0.000770484	0.000332793	0.173911959	2.05819E-06	0.000292798	0.000394688	0.001381151	0.001004713
2045 Mar	0.021671196	3.89819E-06	1.939421177	10.62090778	0.041687254	0.000861328	59.65265656	0.005513638	0.004922986	0.000326764	0.00077056	0.000332827	0.173936486	2.05843E-06	0.000292827	0.000394784	0.001381319	0.001004803
2045 Apr	0.021686228	3.89994E-06	1.940265656	10.62536621	0.041707583	0.000861684	59.67716217	0.005515927	0.004925219	0.000326912	0.000770877	0.000332964	0.174012408	2.0593E-06	0.000292948	0.000394979	0.001381907	0.001005213
2045 May	0.021748414	3.9107E-06	1.945601225	10.65450764	0.041823212	0.000864044	59.84058762	0.005531044	0.004938814	0.000327815	0.000772989	0.000333877	0.174490973	2.06495E-06	0.000293751	0.000396076	0.001385704	0.001007964
2045 Jun	0.029341977	5.39233E-06	2.599812746	16.26605797	0.068965711	0.00132139	104.5858307	0.009218351	0.005258097	0.00058254	0.001296212	0.000531544	0.272918463	2.11061E-06	0.000477143	0.000665927	0.001861134	0.001567806
2045 Jul	0.030075952	5.36933E-06	2.390934944	14.78126907	0.062308114	0.001189121	92.01886749	0.008283406	0.005283684	0.00051964	0.001169536	0.000479286	0.245343775	2.10077E-06	0.000427633	0.000620242	0.001801155	0.001425217
2045 Aug	0.026997207	4.60451E-06	2.14212966	12.61021996	0.052651003	0.001011112	77.51866913	0.007016181	0.00509156	0.000438351	0.000983438	0.000408808	0.210234061	2.09375E-06	0.000360809	0.000527275	0.001636328	0.001201314
2045 Sep	0.024950935	4.17258E-06	2.013252974	11.43006229	0.047247671	0.000915012	69.37755585	0.006296288	0.004983558	0.000390873	0.000879684	0.000369653	0.191220298	2.08241E-06	0.000323683	0.000472806	0.00153906	0.001079415
2045 Oct	0.024166593	3.96059E-06	1.984581113	11.07003975	0.04576236	0.00088703	67.7870636	0.006116014	0.004966102	0.000382587	0.000851418	0.000359288	0.186521441	2.08154E-06	0.000313786	0.000457282	0.001509173	0.001039136
2045 Nov	0.024200162	3.96742E-06	1.995741367	11.15520191	0.046172664	0.00089429	68.5424118	0.006174226	0.004967868	0.000386736	0.000859275	0.000362412	0.188109189	2.08307E-06	0.000316676	0.000460801	0.001514778	0.001047313
2045 Dec	0.02421435	3.97033E-06	2.000721455	11.19345665	0.04635752	0.000897558	68.88383484	0.006200477	0.004968387	0.000388611	0.000862816	0.000363818	0.188824072	2.08362E-06	0.000317978	0.000462382	0.001517246	0.001050987
2046 Jan	0.024219815	3.9709E-06	2.001565218	11.19982338	0.046389632	0.000898102	68.94056702	0.006204843	0.004968581	0.000388929	0.000863402	0.000364051	0.188944757	2.08372E-06	0.000318195	0.000462659	0.001517659	0.001051592

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.024223704	3.97101E-06	2.001602411	11.19992542	0.046391789	0.000898106	68.94081116	0.00620488	0.004968732	0.000388939	0.000863406	0.000364053	0.188948244	2.08374E-06	0.000318197	0.000462681	0.001517678	0.001051594
2046 Mar	0.024228681	3.97153E-06	2.001858711	11.20130157	0.046398435	0.000898215	68.94908142	0.006205632	0.004969399	0.000388991	0.00086351	0.000364097	0.188972428	2.084E-06	0.000318235	0.000462748	0.001517867	0.001051718
2046 Apr	0.024244305	3.97405E-06	2.003667355	11.21301174	0.046451457	0.00089918	69.037117	0.006212881	0.004972084	0.000389482	0.000864502	0.000364502	0.189180598	2.08518E-06	0.000318599	0.000463237	0.00151904	0.00105283
2046 May	0.024465142	3.99494E-06	2.015724659	11.29905796	0.046908278	0.000906097	69.66680908	0.006265546	0.004985335	0.000393641	0.000871803	0.000367436	0.190729484	2.08933E-06	0.000321239	0.000467486	0.00152624	0.00106102
2046 Jun	0.028376702	4.59729E-06	2.080457211	12.00029564	0.050651845	0.000958417	73.27326202	0.006656279	0.005167426	0.000420794	0.000935924	0.000388705	0.201462612	2.08174E-06	0.000341515	0.000516391	0.001622194	0.001135874
2046 Jul	0.029258948	4.80042E-06	1.971122622	11.34480572	0.047254875	0.000897578	65.68456268	0.006149581	0.005208089	0.000381102	0.000872743	0.00036176	0.186895505	2.06354E-06	0.000316682	0.000493945	0.001596871	0.00107981
2046 Aug	0.027898207	4.47183E-06	1.898548007	10.65470314	0.044251081	0.000843109	61.8109436	0.00577874	0.005129837	0.000358446	0.000815243	0.000340712	0.176563397	2.06723E-06	0.000296637	0.000462669	0.00153965	0.001006283
2046 Sep	0.026955854	4.27274E-06	1.889959216	10.48039055	0.04357449	0.000833464	61.79286575	0.005718788	0.005078026	0.0003561	0.00080231	0.00033695	0.175278127	2.06335E-06	0.000292957	0.000451101	0.001512411	0.000984348
2046 Oct	0.026838433	4.20728E-06	1.915079117	10.605515 48	0.044284243	0.000848092	63.76046753	0.005839385	0.005090373	0.000366578	0.000815823	0.000342908	0.178772822	2.06311E-06	0.000298643	0.000455129	0.00151327	0.000993283
2046 Nov	0.026971593	4.23232E-06	1.945331573	10.84180641	0.045418434	0.000868567	65.83822632	0.00600028	0.005097239	0.000377924	0.000837487	0.000351515	0.183161929	2.06595E-06	0.000306636	0.000464831	0.0015282	0.001016069
2046 Dec	0.026984228	4.23502E-06	1.950055242	10.87828159	0.045594256	0.000871678	66.16345978	0.006025292	0.005097734	0.000379707	0.000840857	0.000352855	0.183841601	2.06651E-06	0.000307871	0.000466334	0.001530551	0.001019576
2047 Jan	0.026988743	4.23547E-06	1.950708866	10.88322544	0.045619309	0.000872101	66.2075119	0.006028682	0.005097897	0.000379954	0.000841312	0.000353036	0.183935329	2.06658E-06	0.000308038	0.00046655	0.001530871	0.001020045
2047 Feb	0.026992423	4.23559E-06	1.950756311	10.88339615	0.045621585	0.000872111	66.20823669	0.006028 76	0.005098067	0.000379966	0.000841322	0.00035304	0.183939815	2.06662E-06	0.000308042	0.000466573	0.001530898	0.001020054
2047 Mar	0.027001038	4.2367E-06	1.951259136	10.88614941	0.045633975	0.00087233	66.22480011	0.006030276	0.005099407	0.000380065	0.000841532	0.000353129	0.183987215	2.06714E-06	0.000308119	0.0004667	0.001531288	0.001020309
2047 Apr	0.027010655	4.23807E-06	1.951885939	10.88961601	0.045648996	0.000872607	66.24578857	0.006032191	0.00510106	0.000380188	0.000841799	0.000353241	0.184046313	2.0678E-06	0.000308217	0.000466853	0.001531777	0.001020631
2047 May	0.027954157	4.28482E-06	1.976734519	11.0553093	0.046817835	0.000885744	67.56906891	0.006139418	0.005133098	0.000391264	0.000856347	0.000359103	0.187437281	2.07156E-06	0.000313437	0.000478115	0.001545765	0.001035173
2047 Jun	0.033142887	4.49864E-06	2.019863367	11.29087639	0.050194938	0.00090051	69.07956696	0.006283217	0.005272051	0.000421929	0.000876418	0.000367	0.19374983	2.06292E-06	0.000319973	0.000515145	0.001576746	0.001050283
2047 Jul	0.032548763	4.36444E-06	1.980401754	10.92239857	0.048488639	0.000870963	66.92927551	0.006089176	0.005268345	0.000409638	0.000846615	0.000355731	0.187942415	2.07381E-06	0.000309328	0.000499921	0.001555562	0.001011743
2047 Aug	0.031431362	4.15649E-06	1.931544185	10.45975399	0.046317134	0.000834422	64.27741241	0.005838485	0.005223964	0.000392734	0.000808318	0.000341526	0.180807069	2.08105E-06	0.000295882	0.000478158	0.001521171	0.000963106
2047 Sep	0.030443883	3.99677E-06	1.9147681	10.25508213	0.045349892	0.000820896	63.77097321	0.005751661	0.005179755	0.000386994	0.000793172	0.000336292	0.178454012	2.07807E-06	0.000290962	0.000466013	0.001498809	0.00093987
2047 Oct	0.030173015	3.94584E-06	1.937519431	10.39201546	0.046017874	0.00083526	65.6603775	0.005873244	0.005179091	0.000396347	0.000807731	0.000342393	0.181765243	2.07755E-06	0.000296689	0.000470219	0.001502536	0.000951213
2047 Nov	0.030272866	3.96327E-06	1.954926372	10.52877617	0.046673443	0.000847357	66.87607574	0.005967177	0.005185424	0.000402916	0.000820303	0.000347387	0.184325516	2.07891E-06	0.000301344	0.000475839	0.001511152	0.000964375
2047 Dec	0.030280927	3.96516E-06	1.957975984	10.55251217	0.046787169	0.00084938	67.08666229	0.005983411	0.005185816	0.000404066	0.000822491	0.000348256	0.184765458	2.07929E-06	0.000302142	0.000476813	0.001512693	0.000966664
2048 Jan	0.030285448	3.9658E-06	1.958945274	10.55996227	0.046823718	0.000850013	67.15245819	0.005988491	0.005186016	0.000404429	0.000823175	0.000348528	0.184904397	2.07942E-06	0.000302392	0.000477127	0.001513182	0.000967378
2048 Feb	0.030289091	3.966E-06	1.959031224	10.56035519	0.046826657	0.000850043	67.15468597	0.0059887	0.005186279	0.000404449	0.000823202	0.00034854	0.184912473	2.0795E-06	0.000302402	0.000477157	0.001513241	0.000967408
2048 Mar	0.030290633	3.96605E-06	1.959049821	10.56041813	0.046827581	0.000850046	67.15493774	0.005988728	0.005186349	0.000404454	0.000823206	0.000348542	0.184914231	2.07951E-06	0.000302403	0.000477167	0.001513252	0.000967412
2048 Apr	0.030308878	3.96797E-06	1.960039854	10.56593513	0.046854515	0.000850488	67.19119263	0.005991909	0.005188747	0.00040468	0.000823641	0.000348724	0.18501322	2.08044E-06	0.000302563	0.000477434	0.001513974	0.000967913
2048 May	0.030369297	3.97564E-06	1.963881731	10.58683586	0.046948601	0.000852171	67.32555389	0.006003828	0.005198702	0.000405492	0.000825278	0.000349416	0.185380816	2.08441E-06	0.000303164	0.000478387	0.001516909	0.000969828
2048 Jun	0.031250078	4.07262E-06	1.919931293	10.25656319	0.045653209	0.000825197	64.96281433	0.005818433	0.005249451	0.000393505	0.000801737	0.000338436	0.180067584	2.07151E-06	0.000293719	0.00047339	0.001517173	0.000937076
2048 Jul	0.03155604	4.06857E-06	1.862946868	9.800907135	0.043701027	0.000788226	61.88850021	0.005564571	0.005274335	0.000377122	0.000766516	0.000323639	0.172686607	2.06366E-06	0.000280464	0.000460004	0.001501332	0.000891159
2048 Aug	0.031622626	4.0775E-06	1.888534188	9.983118057	0.044582076	0.00080504	63.73855591	0.005702365	0.0052866	0.000387011	0.000783746	0.000330802	0.176337689	2.07153E-06	0.000286951	0.000466676	0.00151305	0.000907963
2048 Sep	0.03188879	4.13182E-06	1.934246898	10.34563255	0.046315391	0.000837292	66.9376297	0.005950655	0.00530151	0.000404194	0.000816877	0.00034402	0.183102965	2.07476E-06	0.000299183	0.000481186	0.001535573	0.000942992
2048 Oct	0.032098956	4.17263E-06	1.968705773	10.6244297	0.047640614	0.000862515	69.4469223	0.006140259	0.005313315	0.00041721	0.000842388	0.000354126	0.188269809	2.07544E-06	0.00030861	0.000492461	0.001551886	0.000970334
2048 Nov	0.032194272	4.18757E-06	1.979821324	10.71101093	0.048055355	0.000870465	70.22871399	0.00619963	0.005320809	0.000421309	0.000850304	0.000357277	0.189902306	2.07644E-06	0.000311563	0.00049603	0.001557365	0.0009787
2048 Dec	0.032198235	4.18824E-06	1.980592012	10.71685982	0.048083309	0.00087097	70.27996826	0.006203608	0.005321176	0.000421589	0.000850837	0.00035749	0.19001101	2.0766E-06	0.000311758	0.000496272	0.001557773	0.000979261
2049 Jan	0.032200769	4.18836E-06	1.980623245	10.71697998	0.048084736	0.000870982	70.28076935	0.006203678	0.005321315	0.000421598	0.000850845	0.000357494	0.190014392	2.07662E-06	0.000311762	0.000496287	0.00155779	0.000979268
2049 Feb	0.032203335	4.18843E-06	1.980645537	10.71703339	0.048086118	0.000870984	70.28084564	0.006203695	0.005321409	0.000421604	0.000850847	0.000357494	0.190016478	2.07663E-06	0.000311762	0.000496301	0.0015578	0.000979267
2049 Mar	0.032207195	4.18879E-06	1.980808973	10.7178812	0.04809054	0.000871051	70.28625488	0.006204178	0.005321866	0.00042164	0.000850913	0.000357522	0.190032125	2.0768E-06	0.000311787	0.000496346	0.001557924	0.000979342
2049 Apr	0.03222128	4.19054E-06	1.981633425	10.72232151	0.048110817	0.000871411	70.3152771	0.006206744	0.005324092	0.000421816	0.000851264	0.00035767	0.19011119	2.07766E-06	0.000311916	0.000496556	0.001558571	0.000979746
2049 May	0.032321416	4.19955E-06	1.98566699	10.74450111	0.048230637	0.000873182	70.4634552	0.006219736	0.005334537	0.000422882	0.000853043	0.000358414	0.190524206	2.08125E-06	0.000312561	0.000497786	0.001561611	0.000981722
2049 Jun	0.033484984	4.34219E-06	1.958000898	10.54642868	0.047605921	0.000857126	69.05181885	0.006099366	0.005391333	0.000415551	0.00084007	0.000351478	0.187280148	2.06897E-06	0.000306719	0.000498903	0.001570222	0.000963566
2049 Jul	0.034075245	4.4379E-06	1.964066625	10.60945988	0.047980066	0.000862953	69.70213318	0.006144147	0.005425537	0.000418503	0.000847886	0.00035373	0.188458219	2.06727E-06	0.000308993	0.000504837	0.001584563	0.000970842
2049 Aug	0.034368355	4.48338E-06	1.99243474	10.80718708	0.048907127	0.000879738	71.29542542	0.006272587	0.00546123	0.000427395	0.000865227	0.000360736	0.192062512	2.08088E-06	0.00031531	0.000513131	0.001602339	0.000989692
2049 Sep	0.034631148	4.53375E-06	2.032749891	11.13039303	0.05044641	0.000908759	74.13846588	0.006493901	0.005477426	0.000442625	0.000894626	0.000372486	0.198088229	2.0833E-06	0.000326177	0.000525994	0.001621925	0.00102092
2049 Oct	0.034865063	4.57426E-06	2.067259789	11.41025639	0.051778719	0.000934188	76.64663696	0.006685871	0.005491954	0.000455843	0.000920174	0.000382655	0.20331201	2.08401E-06	0.000335646	0.000537259	0.001638112	0.001048064
2049 Nov	0.034933891	4.5909E-06	2.091235161	11.60163689	0.052690707	0.000950682	78.35089111	0.006816412	0.005495014	0.000464993	0.000937733	0.000389637	0.206836477	2.08632E-06	0.000342014	0.000545021	0.001650015	0.001066654
2049 Dec	0.034940418	4.59251E-06	2.093977213	11.62328339	0.052794166	0.000952521	78.54265594	0.006831209	0.005495321	0.000466038	0.000939723	0.000390429	0.207235575	2.08667E-06	0.000342733	0.000545905	0.001651409	0.001068746
2050 Jan	0.034943178	4.59273E-06	2.094173193	11.62469673	0.052801684	0.000952642	78.55480194	0.006832159	0.005495481	0.000466109	0.000939849	0.00039048	0.207262605	2.08672E-06	0.000342779	0.000545971	0.001651512	0.001068878
2050 Feb	0.034945529	4.59279E-06	2.09419322	11.62474442	0.052802943	0.000952643	78.55486298	0.006832173	0.005495567	0.000466114	0.000939851	0.000390481	0.207264483	2.08673E-06	0.00034278	0.000545984	0.001651521	0.001068878
2050 Mar	0.034947239	4.59288E-06	2.094230175	11.62491226	0.05280428	0.000952656	78.55586243	0.006832265	0.005495681	0.000466123	0.000939863	0.000390486	0.207268044	2.08676E-06	0.000342784	0.000545998	0.001651547	0.001068891
2050 Apr	0.034958635	4.5943E-06	2.094875336	11.62847519	0.052820783	0.000952947	78.57984924	0.006834355	0.005497385	0.000466267	0.00094015	0.000390605	0.207331896	2.0874E-06	0.000342889	0.000546169	0.001652053	0.001069217
2050 May	0.035038531	4.60192E-06	2.098248959	11.64712238	0.052919235	0.000954454	78.70780945	0.006845426	0.005506151	0.000467149	0.000941666	0.000391235	0.207679287	2.09042E-06	0.000343439	0.000547185	0.001654635	0.001070886
2050 Jun	0.03644944	4.71878E-06	2.071173191	11.42832088	0.052371513	0.000935803	76.97270203	0.006696477	0.005562426	0.000460034	0.00092448	0.000383178	0.204053029	2.0814E-06	0.000336241	0.000547957	0.001657292	0.001049968
2050 Jul	0.036866337	4.80134E-06	2.062105656	11.38813686	0.052195862	0.000933003	76.74107361	0.006663445	0.005580778	0.000457053	0.0009223	0.000381449	0.203095123	2.07517E-06	0.000334821	0.000548571	0.001661664	0.001048314
2050 Aug	0.037137188	4.8445E-06	2.08925724	11.58987522	0.0531459	0.000950158	78.41284943	0.006796701	0.00560698	0.00046631	0.000940243	0.000388649	0.206771106	2.08456E-06	0.000341321	0.000556786	0.001677735	0.00106775
2050 Sep	0.037328213	4.88176E-06	2.116845369	11.81023312	0.054189268	0.00096997	80.32997131	0.006946952	0.005620732	0.000476572	0.000960143	0.000396633	0.210864455	2.08723E-06	0.000348659	0.000565471	0.00169142	0.001089038
2050 Oct	0.037428759	4.8992E-06	2.134826183	11.95022297	0.054854702	0.000982152	81.55164337	0.007042086	0.0056297	0.000483205	0.000972854	0.000401713	0.213452756	2.0904E-06	0.000353288	0.000571211	0.001700848	0.001102513
2050 Nov	0.037455153	4.90558E-06	2.145152807	12.03147316	0.055241913	0.000989015	82.26593018	0.00709739	0.005631533	0.000487105	0.000980291	0.000404677	0.214943707	2.09208E-06	0.00035596	0.000574537	0.001706245	0.001110369
2050 Dec	0.03745937	4.90657E-06	2.146756887	12.04413795	0.055302329	0.000990089	82.37773132	0.007106035	0.005631802	0.000487714	0.000981452	0.00040514	0.215176672	2.09232E-06	0.000356378	0.000575054	0.001707075	0.001111593
2051 Jan	0.037461881	4.90699E-06	2.147457838	12.04986763	0.055329293	0.000990565	82.42729187	0.007109785	0.005631902	0.000487984	0.000981962	0.000405342	0.215278447	2.09241E-06	0.000356561	0.000575285	0.001707439	0.001112128
2051 Feb	0.037463631	4.90709E-06	2.147538185	12.05047703	0.055332519	0.000990611	82.43195343	0.007110128	0.005631991	0.000488011	0.000982011	0.000405362	0.215288788	2.09244E-06	0.000356578	0.000575315	0.001707485	0.001112178
2051 Mar	0.037466276	4.90735E-06	2.147651672	12.05109119	0.055335693	0.000990661	82.43608093	0.007110486	0.0056323	0.000488038	0.00098206	0.000405382	0.215300128	2.09255E-06	0.000356596	0.000575348	0.001707573	0.001112233
2051 Apr	0.037483335	4.90954E-06	2.148607969	12.05644608	0.055360474	0.000991101	82.47264862	0.007113643	0.005634815	0.000488255	0.000982495	0.000405562	0.215395972	2.09348E-06	0.000356754	0.000575605	0.001708333	0.001112726
2051 May	0.0377548	4.92945E-06	2.166137218	12.20115757	0.056058384	0.001002277	83.60945129	0.007195443	0.005649062	0.000495113	0.000994148	0.000410203	0.217761993	2.09814E-06	0.000360858	0.000581969	0.001718891	0.001124701
2051 Jun	0.040486507	5.10931E-06	2.198048592	12.55532074	0.058393154	0.001025743	86.37571716	0.007338399	0.005717825	0.000516021	0.001020873	0.00041929	0.222807229	2.08599E-06	0.000368637	0.000609114	0.001754381	0.00114832
2051 Jul	0.040705502	5.16879E-06	2.19409132	12.5519371	0.058269981	0.001024999	86.25608826	0.00731193	0.005737384	0.000513438	0.001019842	0.000418277	0.222107798	2.08726E-06	0.000367713	0.000609817	0.001760301	0.001148719
2051 Aug	0.040986035	5.21688E-06	2.209158182	12.68371773	0.058797885	0.001036241	87.22957611	0.007383477	0.005761249	0.000518399	0.001029842	0.000422333	0.224155679	2.09223E-06	0.000371415	0.0006139	0.001769686	0.001159582
2051 Sep	0.041169662	5.25259E-06	2.216213703	12.77483273	0.059094056	0.001045375	87.90861511	0.007425732	0.005775899	0.000520919	0.001035883	0.000424762	0.225387871	2.08874E-06	0.000373865	0.00061592	0.001771825	0.001166611
2051 Oct	0.041419782	5.30115E-06	2.215099335	12.82922649	0.059106279	0.001053808	88.36442566	0.007430092	0.005799432	0.00052009	0.001037249	0.00042528	0.225664601	2.07829E-06	0.000374896	0.000615215	0.001766564	0.001169909
2051 Nov	0.041482363	5.31197E-06	2.221592426	12.89178467	0.059348896	0.001059234	88.87432861	0.007463429	0.005805778	0.000522434	0.001042041	0.000427179	0.226602465	2.07895E-06	0.000376659	0.000617255	0.00176991	0.001175067
2051 Dec	0.04148671	5.31307E-06	2.223428249	12.90863323	0.059419326	0.001060563	89.01132965	0.007473079	0.005806046	0.000523146	0.001043415	0.000427722	0.226865754	2.07922E-06	0.000377146	0.000617857	0.001770929	0.001176498
2052 Jan	0.041489009	5.3132E-06	2.223516941	12.90934563	0.059423089	0.00106062	89.01692963	0.007473478	0.005806154	0.000523179	0.00104347	0.000427744	0.226877868	2.07924E-06	0.000377166	0.000617891	0.001770976	0.001176554
2052 Feb	0.041492268	5.31336E-06	2.22358036	12.9096384	0.059425537	0.001060642	89.0186615	0.007473634	0.005806353	0.000523195	0.001043491	0.000427753	0.226884127	2.07929E-06	0.000377173	0.000617916	0.001771019	0.001176576
2052 Mar	0.041498326	5.314E-06	2.22384429	12.91113186	0.059433006	0.001060763	89.02880859	0.00747449	0.005807062	0.000523258	0.001043611	0.000427802	0.226910949	2.07953E-06	0.000377216	0.000617994	0.001771225	0.001176709
2052 Apr	0.041509409	5.31534E-06	2.224404812	12.91436195	0.059448212	0.001061028	89.0510025	0.007476357	0.005808535	0.00052339	0.001043871	0.000427909	0.22696808	2.08005E-06	0.000377311	0.000618152	0.001771669	0.001177002
2052 May	0.042054724	5.33491E-06	2.227748632	12.92030048	0.0597004	0.001060932	89.02581024	0.007476402	0.005829034	0.000525575	0.001043902	0.000427994	0.227276862	2.08199E-06	0.000377281	0.000621074	0.001774373	0.001176438
2052 Jun	0.044020861	5.417E-06	2.216578484	12.78831577	0.059900917	0.001047704	87.74880219	0.007369024	0.005888677	0.000525714	0.00103111	0.000422608	0.225398511	2.07825E-06	0.000372052	0.000626752	0.00177557	0.001161059
2052 Jul	0.044404302	5.47644E-06	2.233906269	12.94543266	0.060529336	0.001060004	88.91744232	0.007452685	0.005920439	0.000531707	0.001043495	0.000427379	0.227735713	2.08537E-06	0.000376353	0.000632457	0.001789363	0.001174324
2052 Aug	0.044636276	5.51586E-06	2.25061965	13.08656693	0.061108984	0.001071553	89.96244812	0.007530723	0.005942932	0.000537186	0.001054515	0.000431806	0.229942262	2.09199E-06	0.000380327	0.000637323	0.001800147	0.001186386
2052 Sep	0.044781338	5.54574E-06	2.265094519	13.22766876	0.061660904	0.001083752	91.0533905	0.007608181	0.005955688	0.000542506	0.001065356	0.000436151	0.232098639	2.09299E-06	0.000384335	0.000641737	0.001807748	0.00119801
2052 Oct	0.044891413	5.56593E-06	2.283568859	13.40265942	0.062372506	0.001098167	92.45936584	0.007707039	0.005965326	0.000549625	0.001079313	0.000441683	0.234813645	2.09488E-06	0.000389368	0.00064777	0.001817717	0.001212636
2052 Nov	0.044910248	5.56962E-06	2.288178444	13.44346523	0.062544271	0.001101389	92.78715515	0.007730438	0.005967234	0.000551342	0.001082639	0.000443	0.235455722	2.09597E-06	0.000390541	0.000649266	0.001820419	0.001216129
2052 Dec	0.044913925	5.57081E-06	2.29035449	13.46366119	0.062628523	0.001102975	92.95161438	0.007742023	0.00596741	0.000552195	0.001084288	0.000443651	0.235770255	2.09626E-06	0.000391122	0.000649986	0.001821629	0.001217 85

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.044916213	5.57117E-06	2.290952206	13.46914482	0.062651955	0.001103406	92.99610901	0.007745162	0.005967509	0.000552428	0.001084734	0.000443827	0.23585625	2.09635E-06	0.000391279	0.000650187	0.001821961	0.001218315
2053 Feb	0.044919647	5.57148E-06	2.291175604	13.47084999	0.062660053	0.001103539	93.00915527	0.007746132	0.005967787	0.000552503	0.001084871	0.000443882	0.235884473	2.09645E-06	0.000391327	0.000650262	0.001822104	0.00121846
2053 Mar	0.044927433	5.57235E-06	2.291534185	13.47292995	0.062670127	0.001103709	93.02342224	0.007747323	0.005968733	0.000552589	0.001085038	0.00044395	0.235921308	2.09678E-06	0.000391387	0.000650366	0.001822387	0.001218646
2053 Apr	0.044949543	5.57504E-06	2.292639494	13.47941399	0.062700517	0.001104239	93.06813049	0.007751049	0.00597162	0.000552856	0.001085559	0.000444164	0.236035094	2.09779E-06	0.000391575	0.000650682	0.001823264	0.001219232
2053 May	0.046301831	5.63282E-06	2.34190917	13.89775372	0.065021425	0.001135316	96.34970856	0.00798052	0.006008892	0.000575583	0.00111849	0.000457305	0.242983356	2.10335E-06	0.000402913	0.000672187	0.001851377	0.001251988
2053 Jun	0.049199738	5.72699E-06	2.35007596	13.96208382	0.066507839	0.001135188	96.54831696	0.007961459	0.006061511	0.000587769	0.001119422	0.000457425	0.244103953	2.09138E-06	0.000402142	0.000689489	0.001859346	0.001250871
2053 Jul	0.04939862	5.77054E-06	2.363047361	14.0747118	0.066937625	0.00114384	97.34367371	0.008016415	0.00608652	0.000591343	0.001128238	0.000460718	0.245652691	2.09941E-06	0.000405038	0.000694156	0.001871541	0.00126105
2053 Aug	0.04970026	5.81984E-06	2.396795988	14.35488892	0.068126023	0.001166184	99.50003052	0.008175256	0.006119804	0.000602823	0.001150763	0.000469706	0.250095576	2.11256E-06	0.000413007	0.000704696	0.001893125	0.001285288
2053 Sep	0.049874652	5.85956E-06	2.445197105	14.79024887	0.069948316	0.001200494	102.9812164	0.008424212	0.006136958	0.000620984	0.001186154	0.000483726	0.256899536	2.12332E-06	0.000425435	0.000720462	0.001921494	0.001322683
2053 Oct	0.049931683	5.87866E-06	2.474967003	15.06878853	0.071101002	0.00122245	105.229393	0.008583426	0.00614105	0.000632583	0.001208801	0.000492673	0.261214703	2.12758E-06	0.000433386	0.000730308	0.001938208	0.001346514
2053 Nov	0.049951587	5.8834E-06	2.479653835	15.11440372	0.071283616	0.001226205	105.5966263	0.008609241	0.006142904	0.000634416	0.001212441	0.000494115	0.261916727	2.12791E-06	0.000434693	0.000731839	0.0019407	0.001350343
2053 Dec	0.049953576	5.88411E-06	2.480926991	15.12634945	0.071333155	0.001227148	105.6941986	0.008616107	0.006143021	0.000634919	0.001213416	0.0004945	0.262102485	2.12807E-06	0.000435035	0.000732261	0.001941408	0.00135136
2054 Jan	0.049955748	5.88434E-06	2.4812572	15.12937164	0.071346417	0.001227386	105.7187042	0.008617834	0.00614311	0.000635048	0.00121366	0.000494597	0.262150258	2.12812E-06	0.000435121	0.000732375	0.001941589	0.001351614
2054 Feb	0.049958728	5.88449E-06	2.481349707	15.12999249	0.071350142	0.001227433	105.7232208	0.008618178	0.006143276	0.000635078	0.001213708	0.000494616	0.262161344	2.12817E-06	0.000435138	0.000732411	0.001941646	0.001351664
2054 Mar	0.049960289	5.88456E-06	2.481376171	15.13011456	0.07135126	0.001227442	105.7239227	0.008618241	0.006143361	0.000635085	0.001213717	0.000494619	0.262164026	2.12819E-06	0.000435141	0.000732422	0.001941664	0.001351672
2054 Apr	0.049981564	5.887E-06	2.482403994	15.13635826	0.071381025	0.001227948	105.7674637	0.008621793	0.006145915	0.000635349	0.001214217	0.000494823	0.262272507	2.12907E-06	0.00043532	0.000732728	0.001942466	0.001352229
2054 May	0.050367564	5.90333E-06	2.486369133	15.15154076	0.071598217	0.001228801	105.833252	0.008628551	0.006163225	0.000637265	0.001215164	0.000495257	0.262672275	2.13174E-06	0.000435633	0.000735159	0.001945579	0.001352862
2054 Jun	0.052791622	5.98038E-06	2.462936401	14.91500187	0.071627751	0.001206423	103.6993256	0.008472481	0.006221267	0.000636468	0.001194605	0.000486741	0.259590417	2.11733E-06	0.000427671	0.000740092	0.001940216	0.001326005
2054 Jul	0.052920192	6.02618E-06	2.458796024	14.91938019	0.071512267	0.001206322	103.6763458	0.008462451	0.006232413	0.000634962	0.001194684	0.00048631	0.259197414	2.11549E-06	0.000427339	0.000739871	0.001943913	0.001326235
2054 Aug	0.053093538	6.06778E-06	2.476421833	15.08158398	0.072145849	0.001219891	104.9006805	0.008551845	0.006249844	0.000640976	0.001207221	0.000491366	0.261672169	2.12027E-06	0.000431853	0.000744826	0.001954509	0.001340019
2054 Sep	0.053197756	6.09643E-06	2.489868164	15.20864868	0.072636694	0.001230841	105.8825455	0.00862244	0.006261727	0.000645674	0.001217036	0.00049533	0.263621181	2.12272E-06	0.000435431	0.00074866	0.001962042	0.001350667
2054 Oct	0.053225629	6.10947E-06	2.494761467	15.26930809	0.072822295	0.001236587	106.3613968	0.008652637	0.006268007	0.00064739	0.001221342	0.000497043	0.264441848	2.12157E-06	0.000437076	0.000750013	0.001963858	0.001355628
2054 Nov	0.053227607	6.11407E-06	2.496295452	15.289711	0.072876386	0.001238569	106.5255585	0.008661868	0.006270211	0.000647854	0.001222716	0.000497588	0.264693618	2.12122E-06	0.0004376	0.000750379	0.001964358	0.001357308
2054 Dec	0.053230889	6.11559E-06	2.499176502	15.31684303	0.072988927	0.0012407	106.7470093	0.008677481	0.00627039	0.000648995	0.001224932	0.000498464	0.265114635	2.12161E-06	0.000438374	0.000751339	0.001965976	0.001359629
2055 Jan	0.053232986	6.11583E-06	2.49960351	15.32082081	0.073006168	0.001241012	106.7794037	0.008679761	0.006270456	0.000649165	0.001225255	0.000498591	0.265177101	2.12166E-06	0.000438487	0.000751486	0.001966209	0.001359964
2055 Feb	0.053235397	6.11588E-06	2.499624014	15.32087803	0.073007517	0.001241014	106.7795639	0.008679781	0.006270533	0.000649172	0.001225257	0.000498592	0.265179157	2.12167E-06	0.000438487	0.0007515	0.001966217	0.001359964
2055 Mar	0.053238854	6.11616E-06	2.499733448	15.32150459	0.073011115	0.001241064	106.7837601	0.008680128	0.006270828	0.0006492	0.001225305	0.000498612	0.265190601	2.12176E-06	0.000438505	0.000751537	0.001966299	0.001360017
2055 Apr	0.053257652	6.11825E-06	2.500586033	15.32670403	0.073036239	0.001241484	106.8199081	0.00868307	0.006272979	0.000649422	0.00122572	0.000498781	0.265280992	2.12248E-06	0.000438653	0.000751796	0.001966968	0.001360477
2055 May	0.053335145	6.12726E-06	2.504556894	15.35223961	0.073155984	0.001243543	107.0018997	0.008697566	0.006282051	0.000650504	0.001227768	0.000499611	0.265716881	2.1256E-06	0.000439383	0.000753003	0.001970012	0.001362733
2055 Jun	0.053309929	6.20204E-06	2.468245983	15.14946556	0.071974978	0.001225707	105.4954147	0.00855052	0.006287732	0.000638065	0.001212393	0.00049168	0.261244118	2.11285E-06	0.000432412	0.000747718	0.001971858	0.0013441
2055 Jul	0.053361777	6.24893E-06	2.447314501	15.00173473	0.071166456	0.001213312	104.2245483	0.008441992	0.006302806	0.000628962	0.001199838	0.000485992	0.258186907	2.11174E-06	0.000427357	0.000742718	0.001970074	0.00133167
2055 Aug	0.053637024	6.28909E-06	2.463282108	15.1242218	0.071689226	0.001223241	105.105278	0.00850998	0.006332428	0.000633781	0.001209448	0.000489863	0.260145515	2.1211E-06	0.000430779	0.000747455	0.0019815	0.001342349
2055 Sep	0.053724326	6.31433E-06	2.475179195	15.23995781	0.07213296	0.001233261	105.9942474	0.00857434	0.006342171	0.000638029	0.00121834	0.000493464	0.261912704	2.1227E-06	0.000434023	0.000750855	0.001987894	0.001352066
2055 Oct	0.053789336	6.32671E-06	2.485215187	15.33306217	0.072511069	0.001240907	106.7295685	0.008627098	0.006349448	0.00064176	0.001225756	0.000496415	0.263357759	2.12469E-06	0.000436664	0.000754103	0.001993658	0.00135999
2055 Nov	0.053809386	6.33193E-06	2.492228746	15.3990078	0.072783023	0.00124616	107.2627716	0.008664912	0.006351375	0.000644496	0.0012311	0.000498532	0.264381081	2.1258E-06	0.000438536	0.000756427	0.001997634	0.001365624
2055 Dec	0.053811103	6.33334E-06	2.495164394	15.42714596	0.072899312	0.00124837	107.4925461	0.008681108	0.006351358	0.000645677	0.001233396	0.000499439	0.264815927	2.12614E-06	0.000439334	0.000757412	0.001999264	0.001368033
2056 Jan	0.053814366	6.33356E-06	2.495347023	15.42866611	0.07290668	0.001248491	107.5045547	0.008681971	0.006351545	0.000645744	0.001233516	0.000499487	0.26484099	2.12619E-06	0.000439377	0.000757478	0.001999369	0.001368158
2056 Feb	0.053817853	6.33368E-06	2.495390177	15.42882824	0.072908834	0.001248501	107.5053177	0.008682045	0.006351701	0.000645756	0.001233526	0.000499491	0.264845192	2.12622E-06	0.00043938	0.0007575	0.001999394	0.001368166
2056 Mar	0.05382245	6.33406E-06	2.495538712	15.42968845	0.072913662	0.001248569	107.511116	0.008682512	0.006352103	0.000645795	0.001233593	0.000499519	0.264860779	2.12634E-06	0.000439404	0.000757555	0.001999508	0.001368239
2056 Apr	0.053844921	6.33662E-06	2.4965446	15.43587589	0.072943315	0.001249069	107.5541229	0.008685999	0.006354677	0.000646056	0.001234086	0.000499719	0.264967412	2.12719E-06	0.00043958	0.000757858	0.002000311	0.001368786
2056 May	0.054763205	6.36311E-06	2.498108864	15.4086504	0.073232099	0.001245946	107.2297897	0.008665912	0.006386411	0.000648471	0.001231162	0.000498704	0.264945745	2.12898E-06	0.000438494	0.000761561	0.002002089	0.00136448
2056 Jun	0.057497069	6.41867E-06	2.467784643	15.08329105	0.073110312	0.001215818	104.2652054	0.008444803	0.006440918	0.00064535	0.001201461	0.000486979	0.260503739	2.114E-06	0.000427396	0.000764603	0.001987081	0.001329769
2056 Jul	0.057788491	6.46704E-06	2.483426332	15.21100903	0.073627286	0.001225797	105.1875916	0.008512418	0.00647387	0.000650015	0.001211587	0.000490883	0.262414634	2.12399E-06	0.00043082	0.000769835	0.002000678	0.001340961
2056 Aug	0.058035702	6.50919E-06	2.502428293	15.37581062	0.074300908	0.001239107	106.4246674	0.008604625	0.006498398	0.00065648	0.001224556	0.000496083	0.264977962	2.13158E-06	0.000435404	0.000775503	0.002013158	0.001355161
2056 Sep	0.058200289	6.53844E-06	2.522314072	15.5505743	0.075024657	0.00125331	107.7774124	0.008703453	0.006517232	0.000663485	0.001238484	0.000501642	0.26771155	2.13792E-06	0.000440322	0.00078185	0.002025509	0.001370213
2056 Oct	0.058215536	6.55342E-06	2.539933681	15.73474884	0.075734727	0.001268646	109.271286	0.008808298	0.006520366	0.000670683	0.001253118	0.000507451	0.270502001	2.13753E-06	0.000445534	0.000787598	0.002034274	0.001385768
2056 Nov	0.05823002	6.55902E-06	2.547043324	15.80483055	0.07601501	0.001274356	109.8412704	0.00884847	0.006522194	0.00067352	0.001258753	0.000509687	0.271579593	2.13814E-06	0.00044752	0.000789939	0.002038112	0.001391718
2056 Dec	0.058231529	6.56005E-06	2.549087048	15.82437897	0.076095797	0.001275892	110.001236	0.008859753	0.00652228	0.000674341	0.00126035	0.000510318	0.271882027	2.13841E-06	0.000448073	0.000790626	0.002039265	0.001393394
2057 Jan	0.058234323	6.56021E-06	2.549146652	15.82472992	0.076098122	0.001275921	110.0036697	0.008859943	0.006522465	0.000674358	0.001260375	0.000510328	0.271888793	2.13844E-06	0.000448083	0.000790649	0.002039304	0.00139342
2057 Feb	0.058237039	6.56031E-06	2.549180269	15.82485771	0.076099798	0.001275929	110.0042801	0.008860002	0.006522586	0.000674367	0.001260383	0.000510332	0.271892101	2.13847E-06	0.000448085	0.000790666	0.002039324	0.001393426
2057 Mar	0.058244385	6.56102E-06	2.549455643	15.82652187	0.076108389	0.001276062	110.0157089	0.008860929	0.006523309	0.00067444	0.001260514	0.000510385	0.271921307	2.1387E-06	0.000448132	0.000790755	0.00203954	0.001393571
2057 Apr	0.058269884	6.56383E-06	2.550545454	15.83326054	0.076141126	0.001276605	110.0624619	0.008864697	0.006526108	0.000674729	0.00126105	0.000510602	0.272037446	2.13961E-06	0.000448323	0.000791095	0.002040409	0.001394163
2057 May	0.058585234	6.58035E-06	2.555306196	15.85558987	0.076349713	0.001278158	110.1910706	0.008876132	0.006543649	0.000676573	0.001262654	0.00051129	0.272523403	2.1433E-06	0.000448876	0.000793393	0.002044208	0.001395642
2057 Jun	0.060232379	6.63915E-06	2.510958672	15.46140385	0.075338237	0.001243838	106.8791351	0.00862707	0.006583036	0.000665475	0.001229935	0.000497593	0.266465366	2.12769E-06	0.000436461	0.000789398	0.002030664	0.00135687
2057 Jul	0.060412426	6.68312E-06	2.518189907	15.53090477	0.075564981	0.001249006	107.3428574	0.008658516	0.006607717	0.000667188	0.001235451	0.000499494	0.267310083	2.1341E-06	0.000438113	0.000792503	0.002040915	0.001363099
2057 Aug	0.060849804	6.7404E-06	2.547215223	15.75266933	0.076546714	0.001266653	108.9877701	0.00878325	0.00665481	0.000676371	0.001253175	0.000506588	0.270890623	2.15043E-06	0.000444318	0.000801765	0.002061657	0.001382445
2057 Sep	0.060961939	6.77011E-06	2.576885462	16.03013611	0.077685006	0.001288765	111.1829758	0.008941248	0.006667351	0.000687619	0.001275497	0.000515455	0.275168449	2.15669E-06	0.00045208	0.000811512	0.002079201	0.001406421
2057 Oct	0.060965974	6.78696E-06	2.605443478	16.31415176	0.078828938	0.001311406	113.4868469	0.009104144	0.006668238	0.000699189	0.001298458	0.000524545	0.279506832	2.15909E-06	0.000460055	0.00082108	0.002094822	0.001430815
2057 Nov	0.060981743	6.79154E-06	2.611727476	16.37363434	0.07907407	0.001316125	113.9683609	0.009138358	0.006669949	0.000701656	0.001303285	0.000526458	0.280427754	2.16018E-06	0.000461729	0.00082318	0.002098458	0.001435923
2057 Dec	0.06098355	6.79245E-06	2.613399267	16.38961411	0.079140164	0.001317381	114.0989532	0.009147588	0.006670104	0.000702326	0.00130459	0.000526974	0.280674964	2.16043E-06	0.000462179	0.000823744	0.002099415	0.001437296
2058 Jan	0.060984492	6.7927E-06	2.614011526	16.39555931	0.079165213	0.001317846	114.147728	0.009151021	0.00667008	0.000702578	0.001305074	0.000527165	0.280767053	2.16049E-06	0.000462346	0.000823956	0.002099752	0.001437804
2058 Feb	0.060986441	6.79279E-06	2.614150286	16.39679718	0.079171233	0.001317941	114.1575928	0.009151725	0.006670137	0.000702633	0.001305173	0.000527205	0.280787021	2.16051E-06	0.00046238	0.000824009	0.002099828	0.001437906
2058 Mar	0.060989328	6.79304E-06	2.614284277	16.39776611	0.079176076	0.001318016	114.1648026	0.00915227	0.00667037	0.000702676	0.00130525	0.000527236	0.280803353	2.16058E-06	0.000462407	0.000824056	0.002099921	0.001437989
2058 Apr	0.06100592	6.79483E-06	2.61497426	16.40207672	0.079197161	0.001318362	114.1947403	0.009154673	0.006672138	0.000702862	0.001305592	0.000527374	0.280877441	2.16115E-06	0.000462528	0.000824275	0.002100474	0.001438366
2058 May	0.06201797	6.83697E-06	2.661944628	16.82161522	0.081397749	0.001349797	117.5386505	0.009391777	0.006697964	0.000724741	0.001339035	0.000540752	0.287756801	2.16639E-06	0.000473842	0.000844244	0.002127338	0.001472132
2058 Jun	0.06500414	6.90025E-06	2.697262287	17.18684006	0.084311344	0.001371615	120.2116394	0.009549882	0.006720377	0.000752207	0.001364079	0.000550624	0.293599039	2.14832E-06	0.000481046	0.000873106	0.002146464	0.001495095
2058 Jul	0.065075979	6.93533E-06	2.703559399	17.2506218	0.084475018	0.001376308	120.6000214	0.009573226	0.006738781	0.000753107	0.001368586	0.000552204	0.294230074	2.15482E-06	0.000482377	0.00087526	0.002154608	0.001501123
2058 Aug	0.065351158	6.9794E-06	2.728473425	17.46387482	0.085372999	0.001393278	122.2213898	0.009693468	0.006767139	0.000761732	0.001385582	0.000558991	0.297568947	2.16494E-06	0.00048829	0.00088318	0.002171173	0.001519643
2058 Sep	0.065382391	7.0039E-06	2.747019768	17.65450859	0.086090147	0.001409384	123.7305603	0.009801634	0.006775872	0.000768832	0.001400573	0.000564988	0.300445586	2.16637E-06	0.000493621	0.000888889	0.002180998	0.001535968
2058 Oct	0.065396264	7.01997E-06	2.765402794	17.84315872	0.08681605	0.001425108	125.2702179	0.009910217	0.006781708	0.00077621	0.001415646	0.000570985	0.303322256	2.16732E-06	0.000498943	0.000894814	0.002190647	0.001552011
2058 Nov	0.065413654	7.02419E-06	2.769755125	17.88437271	0.086983271	0.001428451	125.6028137	0.009933924	0.006784006	0.000777886	0.001418967	0.000572306	0.303961247	2.16816E-06	0.000500102	0.000896245	0.002193183	0.001555539
2058 Dec	0.065414347	7.0247E-06	2.770697355	17.89349174	0.087020673	0.001429172	125.6776276	0.009939206	0.006784101	0.000778267	0.001419711	0.0005726	0.304102093	2.1683E-06	0.000500358	0.000896563	0.002193721	0.001556322
2059 Jan	0.065415584	7.02484E-06	2.770991325	17.89632034	0.087032892	0.001429394	125.7008133	0.00994084	0.006784123	0.000778387	0.00141994	0.000572691	0.30414632	2.16833E-06	0.000500437	0.000896666	0.002193881	0.001556562
2059 Feb	0.065417901	7.0249E-06	2.77101326	17.89638519	0.087034211	0.001429397	125.7010269	0.009940865	0.006784209	0.000778394	0.001419943	0.000572692	0.304148436	2.16834E-06	0.000500438	0.00089668	0.002193891	0.001556563
2059 Mar	0.06541916	7.02493E-06	2.771024227	17.8964119	0.087034889	0.001429398	125.7010727	0.009940873	0.006784255	0.000778397	0.001419944	0.000572693	0.304149479	2.16834E-06	0.000500439	0.000896687	0.002193896	0.001556563
2059 Apr	0.065440282	7.02714E-06	2.771894693	17.90200806	0.087062418	0.001429844	125.7402878	0.009943978	0.006786397	0.000778641	0.001420387	0.000572871	0.304244936	2.16902E-06	0.000500595	0.00089697	0.002194583	0.001557048
2059 May	0.066060156	7.04953E-06	2.781298161	17.96216202	0.087579049	0.001433898	126.1625748	0.0099762	0.006809214	0.000783532	0.001424857	0.000574741	0.305448413	2.17201E-06	0.000502069	0.000902225	0.002200737	0.001560974
2059 Jun	0.068132639	7.10302E-06	2.780876398	17.90607643	0.088273607	0.001426355	125.4777145	0.009927955	0.006862436	0.000789434	0.001418498	0.000572346	0.305255204	2.16824E-06	0.000499374	0.000911221	0.002202899	0.001551197
2059 Jul	0.068589784	7.16034E-06	2.803824425	18.0765667	0.089045741	0.001439757	126.7147675	0.010022721	0.006909917	0.000796524	0.001432206	0.000577749	0.30800733	2.18316E-06	0.000504078	0.000919074	0.002221525	0.001565999
2059 Aug	0.068961523	7.2076E-06	2.827442646	18.26046753	0.089864522	0.001454352	128.0782471	0.010125826	0.006947717	0.000804187	0.001446848	0.00058361	0.31096226	2.19598E-06	0.000509171	0.000926768	0.00223838	0.001581996
2059 Sep	0.069061048	7.23324E-06	2.843569994	18.4133625	0.090465084	0.001467051	129.2572632	0.010212007	0.006961876	0.000809986	0.001458884	0.000588425	0.313298494	2.19993E-06	0.000513409	0.000931842	0.002248035	0.001595231
2059 Oct	0.068924807	7.2424E-06	2.846513033	18.49267006	0.090601809	0.001476052	129.95784	0.010258126	0.006963717	0.000811674	0.001464529	0.000590743	0.314373076	2.19221E-06	0.00051574	0.000931913	0.002245949	0.001601438
2059 Nov	0.068928055	7.2484E-06	2.853149414	18.56171227	0.090862602	0.001481914	130.5312195	0.010298256	0.006966534	0.000814358	0.001470048	0.000592944	0.315429866	2.1925E-06	0.000517694	0.000934018	0.002249393	0.001607267

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.068926938	7.24902E-06	2.854614258	18.57620239	0.090921715	0.001483053	130.6505737	0.010306664	0.006966461	0.000814962	0.001471232	0.000593412	0.315652311	2.19266E-06	0.000518098	0.000934516	0.002250224	0.001608516
2060 Jan	0.06892962	7.24917E-06	2.854672432	18.57656288	0.090924054	0.001483083	130.6531219	0.01030686	0.006966633	0.000814979	0.001471258	0.000593423	0.315659136	2.1927E-06	0.000518108	0.000934539	0.002250261	0.001608542
2060 Feb	0.068932757	7.24931E-06	2.854722023	18.57679558	0.090926275	0.0014831	130.65448	0.010306979	0.006966792	0.000814994	0.001471274	0.00059343	0.315664262	2.19273E-06	0.000518114	0.000934562	0.002250293	0.001608558
2060 Mar	0.068937607	7.24971E-06	2.854879379	18.57777214	0.090931632	0.001483176	130.6612091	0.010307513	0.006967196	0.000815038	0.00147135	0.000593461	0.315681458	2.19285E-06	0.000518141	0.000934617	0.002250413	0.00160864
2060 Apr	0.068968654	7.25293E-06	2.856155396	18.58609772	0.090972595	0.00148384	130.7198181	0.010312132	0.006970286	0.000815405	0.001472009	0.000593726	0.315823019	2.19382E-06	0.000518372	0.000935037	0.002251414	0.00160936
2060 May	0.07038451	7.28782E-06	2.868561506	18.65384293	0.091912925	0.001487281	131.1515961	0.01034528	0.007008702	0.000824321	0.001476464	0.000595721	0.317485273	2.19459E-06	0.000519677	0.00094481	0.002258722	0.001611904
2060 Jun	0.072392665	7.31176E-06	2.837306976	18.34510612	0.091556728	0.001458666	128.3511963	0.010129862	0.007036253	0.00081907	0.001447858	0.000584441	0.312880069	2.18041E-06	0.000509005	0.000944649	0.002241224	0.001579867
2060 Jul	0.072787523	7.366E-06	2.85461235	18.47018814	0.092102416	0.00146841	129.2020721	0.01019438	0.007080292	0.000823748	0.001457589	0.000588236	0.314800203	2.19422E-06	0.00051229	0.000950524	0.002256681	0.001590867
2060 Aug	0.072958618	7.40678E-06	2.8716259	18.62302971	0.092703253	0.001481087	130.3294678	0.010279492	0.007101267	0.000829345	0.00146945	0.000593033	0.317138165	2.20092E-06	0.000516452	0.000955437	0.002267831	0.001604231
2060 Sep	0.072693013	7.42666E-06	2.877573729	18.73010635	0.092929147	0.001492121	131.2383423	0.010342415	0.007092074	0.000831767	0.001477347	0.000596358	0.318610996	2.19507E-06	0.000519442	0.000955413	0.002267989	0.00161317
2060 Oct	0.072627388	7.44077E-06	2.896486282	18.93654823	0.093683429	0.001509529	132.943634	0.010461634	0.007095027	0.000839515	0.001493807	0.000602907	0.321701288	2.19496E-06	0.000525211	0.000961385	0.002277592	0.001630838
2060 Nov	0.072583318	7.44388E-06	2.901213646	18.99219704	0.093867652	0.001514327	133.4080811	0.010492796	0.007095105	0.000841408	0.001498141	0.000604631	0.322496355	2.19463E-06	0.000526736	0.000962761	0.00227978	0.001635589
2060 Dec	0.072580367	7.44512E-06	2.904238939	19.0222435	0.093990266	0.001516679	133.6553497	0.010510243	0.00709492	0.000842659	0.001500599	0.000605603	0.322956651	2.195E-06	0.000527571	0.000963799	0.002281521	0.001638188
2061 Jan	0.072580837	7.44539E-06	2.904945612	19.02926445	0.094019629	0.001517228	133.7131958	0.01051432	0.007094869	0.000842954	0.001501172	0.000605829	0.323064864	2.19507E-06	0.000527766	0.000964048	0.002281918	0.001638791
2061 Feb	0.072583213	7.44547E-06	2.905054808	19.03021431	0.09402471	0.001517299	133.7207184	0.010514857	0.007094931	0.000842998	0.001501246	0.000605859	0.323080599	2.19509E-06	0.000527791	0.000964093	0.002281976	0.001638868
2061 Mar	0.072586559	7.44571E-06	2.905165911	19.03096962	0.094028905	0.001517357	133.72612	0.010515274	0.007095166	0.000843033	0.001501305	0.000605883	0.323093742	2.19516E-06	0.000527811	0.000964134	0.002282054	0.001638931
2061 Apr	0.072618134	7.44888E-06	2.906402111	19.0390358	0.094069138	0.001518	133.7826996	0.010519726	0.007098198	0.000843392	0.00150194	0.000606139	0.323231071	2.19609E-06	0.000528035	0.000964546	0.002283022	0.001639624
2061 May	0.073913261	7.47857E-06	2.922416925	19.15801239	0.09515968	0.001525086	134.6278687	0.010573843	0.007128536	0.000853654	0.001509937	0.000609506	0.325418115	2.19719E-06	0.000530394	0.000975443	0.002292108	0.001646692
2061 Jun	0.075043641	7.46158E-06	2.887179375	18.90921783	0.094657749	0.001499996	132.3047791	0.010364398	0.007099997	0.000846614	0.001484372	0.000599166	0.320575088	2.17551E-06	0.000520262	0.000972887	0.002270236	0.001620849
2061 Jul	0.0753932	7.51617E-06	2.905881166	19.05859756	0.095273636	0.001511588	133.3586426	0.010442232	0.007140423	0.000852073	0.001496026	0.0006037	0.322800756	2.18848E-06	0.000524163	0.000979195	0.002286428	0.001633955
2061 Aug	0.075789772	7.56618E-06	2.931710482	19.26684189	0.096196949	0.001528029	134.9141388	0.010558883	0.007178945	0.000860777	0.001512581	0.000610319	0.326114595	2.2015E-06	0.00052987	0.000987784	0.002304689	0.001652038
2061 Sep	0.075828806	7.59041E-06	2.954878092	19.49474907	0.09710297	0.001546304	136.7144165	0.01068907	0.007186976	0.000869719	0.001530855	0.000617587	0.329572976	2.20589E-06	0.000536131	0.000995405	0.002318514	0.00167195
2061 Oct	0.075554937	7.59467E-06	2.968240261	19.68198967	0.09767101	0.001563132	138.3048553	0.010799416	0.007178131	0.000875853	0.001545656	0.000623487	0.332262427	2.19954E-06	0.000541412	0.000999126	0.002322884	0.001688043
2061 Nov	0.075491518	7.59853E-06	2.974351645	19.75688744	0.097918354	0.001569786	138.9437408	0.010843774	0.007178108	0.000878495	0.001551624	0.00062587	0.333374858	2.19829E-06	0.000543536	0.001000912	0.002325483	0.001694411
2061 Dec	0.075488955	7.59938E-06	2.976415873	19.77755737	0.098002382	0.001571408	139.114212	0.01085581	0.007177988	0.000879354	0.001553315	0.000626539	0.33369118	2.19854E-06	0.000544109	0.001001623	0.002326678	0.001696201
2062 Jan	0.07548853	7.59978E-06	2.977519512	19.78862572	0.098048158	0.001572271	139.2054749	0.01086225	0.00717788	0.000879817	0.00155422	0.000626897	0.333861023	2.19866E-06	0.000544414	0.00100201	0.00232731	0.001697158
2062 Feb	0.075491369	7.59997E-06	2.977768898	19.790905	0.098058797	0.001572446	139.2237091	0.010863557	0.007177994	0.000879917	0.001554403	0.00062697	0.333897263	2.19871E-06	0.000544476	0.001002103	0.002327456	0.00169735
2062 Mar	0.075501926	7.60094E-06	2.978179693	19.7937088	0.098073013	0.001572667	139.2437286	0.010865102	0.007178911	0.000880043	0.001554623	0.000627058	0.333944678	2.19899E-06	0.000544552	0.001002246	0.002327765	0.001697588
2062 Apr	0.075536601	7.60437E-06	2.979521036	19.80259132	0.098117396	0.001573372	139.3061066	0.010869973	0.007182157	0.000880439	0.00155532	0.000627339	0.334094912	2.19998E-06	0.000544796	0.0010027	0.002328811	0.001698349
2062 May	0.075630993	7.61397E-06	2.983486891	19.82976913	0.098250099	0.001575527	139.5001678	0.010884969	0.007191115	0.000881642	0.001557462	0.000628202	0.334549695	2.20275E-06	0.000545544	0.001004038	0.002331862	0.001700681
2062 Jun	0.075105913	7.63277E-06	2.9235425	19.36802101	0.095904127	0.001538152	135.9122925	0.010611977	0.007182711	0.000858564	0.001522101	0.000612768	0.326509118	2.18945E-06	0.000532271	0.000987263	0.002315589	0.001660299
2062 Jul	0.074751586	7.65758E-06	2.893587351	19.15545654	0.09466283	0.001520576	134.1654968	0.010472436	0.007182061	0.000845858	0.001504955	0.000605153	0.322347641	2.18558E-06	0.000525659	0.000978233	0.002309321	0.001642135
2062 Aug	0.074817553	7.69457E-06	2.908395767	19.30722046	0.095205151	0.001533398	135.3353424	0.010559328	0.007194439	0.000851177	0.001516762	0.000609955	0.324619085	2.18932E-06	0.000529776	0.000981999	0.002318226	0.001655376
2062 Sep	0.07465931	7.70897E-06	2.919043064	19.44375229	0.09561073	0.001545632	136.429184	0.010635159	0.007193902	0.000855195	0.001527085	0.000614133	0.326511413	2.18789E-06	0.000533437	0.000984543	0.00232261	0.001667284
2062 Oct	0.073500738	7.67016E-06	2.896597147	19.38606644	0.094606087	0.001544902	136.0107117	0.010565693	0.007151034	0.00084486	0.001518257	0.00061068	0.32409972	2.17088E-06	0.000530666	0.000972735	0.002300653	0.00166248
2062 Nov	0.073492691	7.67445E-06	2.899508476	19.4179554	0.09470433	0.001547797	136.2758484	0.010582936	0.007154603	0.000845842	0.00152064	0.000611642	0.324549377	2.17149E-06	0.00053152	0.000973476	0.002302157	0.001665154
2062 Dec	0.073489696	7.67543E-06	2.902018547	19.4432106	0.094807498	0.001549771	136.4841309	0.010597663	0.007154403	0.000846896	0.001522708	0.00061246	0.324935824	2.17179E-06	0.000532216	0.000974349	0.002303616	0.001667346
2063 Jan	0.073489882	7.67576E-06	2.902890205	19.45195389	0.094843909	0.001550452	136.5561676	0.010602757	0.007154343	0.000847264	0.001523422	0.000612743	0.325070202	2.17189E-06	0.000532456	0.000974658	0.002304118	0.001668102
2063 Feb	0.073492564	7.67592E-06	2.903069258	19.45354462	0.094851628	0.001550574	136.5687866	0.010603667	0.007154458	0.000847334	0.001523549	0.000612793	0.325095832	2.17193E-06	0.000532499	0.000974726	0.002304224	0.001668236
2063 Mar	0.073495813	7.67615E-06	2.903156996	19.45408249	0.094854832	0.001550616	136.5724182	0.010603954	0.007154693	0.00084736	0.00152359	0.00061281	0.325105458	2.172E-06	0.000532514	0.000974759	0.00230429	0.001668279
2063 Apr	0.073514454	7.67804E-06	2.903869867	19.45883179	0.094878323	0.001550994	136.6056671	0.010606539	0.007156462	0.000847568	0.001523961	0.000612959	0.32518515	2.17253E-06	0.000532643	0.000975001	0.002304853	0.001668685
2063 May	0.074239925	7.69374E-06	2.901744127	19.40563774	0.094983198	0.0015458	136.0806122	0.010569112	0.007179069	0.000848145	0.001518792	0.00061104	0.324622035	2.17349E-06	0.000530772	0.000976845	0.002303935	0.001662465
2063 Jun	0.075979777	7.65217E-06	2.799363852	18.5048542	0.092086121	0.001467143	128.3974457	0.009968791	0.007154869	0.000816707	0.001439424	0.000579162	0.309714019	2.13926E-06	0.000501818	0.000955691	0.002246757	0.001577407
2063 Jul	0.07561706	7.66409E-06	2.788537741	18.45465851	0.09158884	0.001462386	127.8736725	0.009920338	0.007146465	0.000811133	0.001434535	0.000576798	0.308151394	2.13863E-06	0.00049969	0.000951927	0.002245608	0.001573866
2063 Aug	0.075995199	7.71472E-06	2.81401825	18.6656456	0.09250965	0.001479123	129.4590302	0.010038553	0.007183868	0.000819836	0.001451266	0.00058349	0.311479598	2.15114E-06	0.000505419	0.000960401	0.002263692	0.001592171
2063 Sep	0.075994015	7.74121E-06	2.838052273	18.90789032	0.093452916	0.001498941	131.4089355	0.010179385	0.007190845	0.000829258	0.001470716	0.000591284	0.315174431	2.15523E-06	0.000512067	0.000967996	0.002277747	0.001613285
2063 Oct	0.075867444	7.74828E-06	2.854590654	19.09713936	0.094141059	0.001514757	132.9798431	0.010291037	0.007187538	0.000836402	0.001485978	0.000597364	0.318006247	2.15413E-06	0.000517319	0.000973331	0.002285927	0.001629785
2063 Nov	0.075861916	7.75218E-06	2.860548973	19.15851784	0.094382033	0.001519734	133.4846954	0.010326973	0.007188586	0.000838863	0.001490956	0.000599343	0.31894356	2.15479E-06	0.000519016	0.000975333	0.002289315	0.001635109
2063 Dec	0.075862557	7.75326E-06	2.862564802	19.17851639	0.09446419	0.001521301	133.6488495	0.010338631	0.007188758	0.000839698	0.00149259	0.000599991	0.319250524	2.15511E-06	0.000519565	0.000976035	0.002290521	0.001636846
2064 Jan	0.07586132	7.75369E-06	2.863863468	19.19172859	0.094518691	0.00152233	133.7579803	0.010346353	0.007188594	0.000840252	0.001493672	0.000600419	0.319452792	2.15525E-06	0.000519927	0.000976496	0.002291273	0.001637993
2064 Feb	0.075864106	7.75395E-06	2.864234924	19.19524384	0.094534367	0.001522601	133.7863617	0.010348383	0.007188722	0.000840403	0.001493956	0.000600532	0.319507867	2.15533E-06	0.000520022	0.000976633	0.002291497	0.001638294
2064 Mar	0.075876087	7.7551E-06	2.864706516	19.19854736	0.094550759	0.001522861	133.809967	0.010350185	0.00718978	0.000840549	0.001494214	0.000600635	0.319562703	2.15564E-06	0.000520111	0.000976798	0.002291858	0.001638575
2064 Apr	0.075896792	7.75717E-06	2.865473747	19.20368576	0.094576322	0.001523268	133.8457794	0.010352953	0.007191699	0.000840775	0.001494614	0.000600796	0.319648474	2.15622E-06	0.00052025	0.000977062	0.002292469	0.001639012
2064 May	0.07686583	7.77849E-06	2.881546497	19.33231926	0.095577843	0.001531651	134.8100739	0.010420939	0.007213431	0.000850467	0.001504116	0.000604743	0.321982771	2.15737E-06	0.00052318	0.000986753	0.002301568	0.001647861
2064 Jun	0.078694239	7.76676E-06	2.85883975	19.15339661	0.095771298	0.001511128	133.0299683	0.010265518	0.007204659	0.000850816	0.001484744	0.000597154	0.318935394	2.13834E-06	0.000515224	0.000990744	0.002285965	0.001626351
2064 Jul	0.078954645	7.81367E-06	2.874048948	19.28793907	0.096302174	0.001521572	134.0104675	0.010339112	0.007235128	0.00085577	0.001495492	0.000601313	0.320935458	2.14745E-06	0.000518768	0.00099596	0.002299472	0.001638156
2064 Aug	0.079077996	7.84896E-06	2.891558647	19.45985031	0.09696307	0.001535394	135.3359528	0.010437774	0.007250694	0.000862291	0.001509146	0.000606785	0.323534906	2.15296E-06	0.000523413	0.001001204	0.002310888	0.001653307
2064 Sep	0.078817882	7.86902E-06	2.917709112	19.75851631	0.098016195	0.001560696	137.8167267	0.010615114	0.007244371	0.000873161	0.001533163	0.00061644	0.327998251	2.15253E-06	0.000531651	0.001008835	0.002324183	0.001679474
2064 Oct	0.078748614	7.88386E-06	2.945485353	20.0478611	0.09914393	0.001583913	140.2030029	0.010783564	0.007246044	0.000884679	0.00155662	0.000625752	0.332368284	2.15584E-06	0.000539563	0.001018211	0.002340212	0.001704662
2064 Nov	0.078756966	7.88898E-06	2.954190969	20.13385773	0.099499203	0.001590621	140.9059296	0.010833601	0.007247226	0.000888275	0.001563646	0.000628535	0.333687127	2.15742E-06	0.000541911	0.001021271	0.002345529	0.001712151
2064 Dec	0.078756675	7.88961E-06	2.955440521	20.14639473	0.099550486	0.001591603	141.009079	0.010840924	0.007247291	0.000888797	0.001564671	0.000628941	0.333879083	2.15762E-06	0.000542254	0.001021709	0.002346279	0.001713242
2065 Jan	0.078755394	7.88988E-06	2.956315279	20.15536499	0.099587336	0.001592301	141.0832977	0.010846179	0.007247161	0.000889172	0.001565406	0.000629232	0.334016144	2.15771E-06	0.000542499	0.00102202	0.002346789	0.001714023
2065 Feb	0.078757577	7.89013E-06	2.956633806	20.15839195	0.099600635	0.001592536	141.1077118	0.010847928	0.007247285	0.000889302	0.001565651	0.000629329	0.334063351	2.15778E-06	0.000542581	0.001022137	0.002346985	0.001714284
2065 Mar	0.078770921	7.89141E-06	2.957125425	20.16176224	0.099617526	0.001592801	141.1313934	0.010849745	0.007248466	0.000889451	0.001565913	0.000629434	0.334119409	2.15813E-06	0.000542671	0.001022309	0.00234737	0.001714569
2065 Apr	0.078808188	7.89511E-06	2.958510637	20.17118645	0.099664308	0.001593545	141.1972961	0.010854814	0.007251869	0.000889868	0.001566644	0.000629728	0.334275812	2.15914E-06	0.000542925	0.001022789	0.002348468	0.001715369
2065 May	0.07965751	7.92151E-06	2.980732918	20.35969543	0.100844592	0.001606985	142.667984	0.010960921	0.00727567	0.000901462	0.001581374	0.000635721	0.337528139	2.16271E-06	0.000547651	0.001033953	0.002361957	0.001729878
2065 Jun	0.08070264	7.90616E-06	2.934938669	19.95704269	0.099664547	0.001570786	139.1362	0.010684937	0.007268653	0.000888356	0.001545192	0.000621191	0.330819786	2.1467E-06	0.000534336	0.001025966	0.002336845	0.001690831
2065 Jul	0.080973126	7.95999E-06	2.952959776	20.11257362	0.100254677	0.001582607	140.2145691	0.010761573	0.007306205	0.000893446	0.001557057	0.000625743	0.332963824	2.15969E-06	0.000538179	0.001032176	0.002353507	0.001704493
2065 Aug	0.081308886	8.01189E-06	2.981442928	20.36247063	0.101318464	0.00160246	142.1122284	0.010902331	0.0073403	0.000903577	0.001576884	0.000633674	0.336847186	2.17173E-06	0.0005449	0.001041712	0.002373194	0.001726298
2065 Sep	0.080988653	8.02202E-06	2.997375965	20.5729599	0.101973593	0.001621105	143.8642731	0.011028983	0.007331591	0.000910463	0.001593697	0.000640443	0.339913458	2.16783E-06	0.000550734	0.001045966	0.002379804	0.001745051
2065 Oct	0.080331817	8.01339E-06	3.001681089	20.7136116	0.102103099	0.001636089	145.1491089	0.011111013	0.007317329	0.000912432	0.001604023	0.000644657	0.341598183	2.15796E-06	0.00055458	0.001044909	0.002376725	0.001757387
2065 Nov	0.080225989	8.01501E-06	3.00478816	20.75935936	0.102200031	0.001640369	145.5410309	0.011135399	0.007317964	0.000913468	0.001607368	0.000646006	0.342173666	2.15774E-06	0.000555764	0.001045402	0.002377871	0.001761298
2065 Dec	0.080224916	8.01547E-06	3.005777836	20.76946259	0.102240957	0.001641165	145.6246796	0.011141334	0.007317987	0.000913887	0.001608196	0.000646334	0.342328191	2.15787E-06	0.00055604	0.001045749	0.002378462	0.001762178
2066 Jan	0.080223046	8.01594E-06	3.007196903	20.78408813	0.102301113	0.001642303	145.7457275	0.011149913	0.007317799	0.000914498	0.001609394	0.000646808	0.3425515	2.15803E-06	0.000556437	0.001046258	0.002379298	0.001763453
2066 Feb	0.080228813	8.01641E-06	3.007512808	20.78673363	0.102313876	0.001642507	145.7661438	0.011151405	0.007318184	0.000914615	0.001609604	0.000646892	0.342594206	2.15816E-06	0.000556508	0.001046376	0.002379509	0.001763678
2066 Mar	0.080249742	8.01839E-06	3.008254528	20.79180336	0.102339469	0.001642906	145.8014984	0.011154118	0.007320012	0.00091484	0.001609995	0.000647049	0.342678428	2.15869E-06	0.000556643	0.001046638	0.002380092	0.001764105
2066 Apr	0.080276169	8.02097E-06	3.009221315	20.79845047	0.102372557	0.001643431	145.8480225	0.01115768	0.007322377	0.000915134	0.001610509	0.000647256	0.342788368	2.15938E-06	0.000556821	0.001046977	0.002380854	0.001764668
2066 May	0.080481619	8.03275E-06	3.012498379	20.81472206	0.102510974	0.001644593	145.9423981	0.011165808	0.007334519	0.000916342	0.00161167	0.000647747	0.343122005	2.16203E-06	0.000557218	0.001048506	0.002383545	0.001765797
2066 Jun	0.080514319	8.00749E-06	2.931478262	20.13068581	0.099605508	0.001586865	140.2819366	0.010731056	0.007309325	0.000886614	0.001554614	0.000624153	0.331443936	2.14215E-06	0.000536535	0.00102651	0.002347203	0.001703723
2066 Jul	0.080700152	8.06787E-06	2.948010921	20.28951836	0.100128651	0.001598737	141.401001	0.010808359	0.007346922	0.000891145	0.001566924	0.000628723	0.333478719	2.15519E-06	0.000540347	0.001032391	0.002365446	0.001717689
2066 Aug	0.081053361	8.12037E-06	2.976583719	20.54169273	0.101203717	0.001618653	143.3195648	0.010950493	0.007381948	0.000901427	0.001586956	0.000636723	0.337390184	2.16742E-06	0.0005471	0.001042059	0.002385424	0.001739694
2066 Sep	0.081028223	8.14131E-06	2.995916128	20.74627876	0.101977326	0.001635533	144.9527588	0.011069677	0.007388609	0.000909133	0.00160333	0.000643272	0.340468913	2.17014E-06	0.00055265	0.001048339	0.002396709	0.00175779
2066 Oct	0.080830567	8.14857E-06	3.016213894	20.98463249	0.102827772	0.001655696	146.9661865	0.011213248	0.00738504	0.000918086	0.001622696	0.000651009	0.344052702	2.16887E-06	0.000559239	0.001054848	0.002406883	0.001778731

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.080782339	8.15095E-06	3.021540165	21.04689217	0.10304904	0.001660995	147.4916077	0.011250763	0.007384659	0.000920412	0.001627745	0.000653029	0.344990462	2.1686E-06	0.000560962	0.001056541	0.002409561	0.001784195
2066 Dec	0.080783151	8.15196E-06	3.023317337	21.06480026	0.103122547	0.001662398	147.6387787	0.01126124	0.00738488	0.000921159	0.001629209	0.000653609	0.345264524	2.16891E-06	0.000561448	0.001057172	0.002410652	0.001785757
2067 Jan	0.080783486	8.15231E-06	3.024144888	21.07325172	0.103157766	0.001663056	147.7085419	0.011266195	0.007384866	0.000921514	0.0016299	0.000653883	0.345394135	2.16902E-06	0.000561676	0.001057472	0.002411145	0.001786493
2067 Feb	0.080788679	8.15271E-06	3.024392843	21.07528877	0.103167862	0.001663213	147.7240906	0.011267339	0.007385204	0.000921605	0.001630061	0.000653947	0.345427245	2.16913E-06	0.00056173	0.001057566	0.002411312	0.001786665
2067 Mar	0.080799572	8.1537E-06	3.024759769	21.07779121	0.103180721	0.001663409	147.7414551	0.011268669	0.007386122	0.000921717	0.001630253	0.000654025	0.345468909	2.16939E-06	0.000561796	0.001057698	0.002411601	0.001786874
2067 Apr	0.08082138	8.15584E-06	3.025552988	21.08328438	0.103207968	0.001663842	147.7798615	0.011271602	0.007388071	0.000921958	0.001630677	0.000654195	0.345559329	2.16996E-06	0.000561942	0.001057977	0.002412231	0.001787339
2067 May	0.081712022	8.17936E-06	3.026911497	21.04785538	0.103465423	0.001660119	147.401123	0.011249213	0.007419736	0.000924122	0.001627284	0.000653017	0.345468044	2.17244E-06	0.000560727	0.001061376	0.002413766	0.001782481
2067 Jun	0.083345599	8.18733E-06	2.994506359	20.69702911	0.102840088	0.001629135	144.3544006	0.011034735	0.00744451	0.000917091	0.001597441	0.000641282	0.340653211	2.16088E-06	0.00055006	0.001058537	0.002395681	0.001747844
2067 Jul	0.083809175	8.25161E-06	3.023205519	20.94246483	0.103897318	0.001648225	146.1981659	0.011171081	0.007491726	0.000927079	0.001617043	0.000648994	0.344439268	2.17608E-06	0.000556558	0.001068789	0.0024185	0.001769123
2067 Aug	0.084020674	8.29705E-06	3.049289703	21.19533157	0.104910776	0.001668188	148.1732788	0.011316783	0.007515126	0.000937123	0.0016373	0.000657079	0.348290086	2.1849E-06	0.000563318	0.001077272	0.002436112	0.001791387
2067 Sep	0.084009737	8.31927E-06	3.067952633	21.39009285	0.105652273	0.001684232	149.7297516	0.011430374	0.007522807	0.000944489	0.001652892	0.000663328	0.35122928	2.18831E-06	0.000568573	0.001083292	0.002447356	0.001808608
2067 Oct	0.083700903	8.31812E-06	3.075438499	21.51547623	0.105969474	0.001696323	150.8434753	0.011509988	0.007516232	0.000948165	0.00166297	0.000667413	0.353046596	2.1831E-06	0.000572134	0.001084875	0.002448837	0.00181982
2067 Nov	0.08365684	8.322E-06	3.08200264	21.59009933	0.106237508	0.001702701	151.4777679	0.011555123	0.007517462	0.000950986	0.001669032	0.000669841	0.354180127	2.18325E-06	0.000574196	0.001086967	0.002452331	0.00182634
2067 Dec	0.083658069	8.32312E-06	3.083847761	21.60876656	0.106314063	0.001704163	151.6309814	0.01156604	0.00751775	0.000951763	0.001670556	0.000670446	0.354465336	2.18358E-06	0.0005747	0.001087625	0.002453476	0.001827971
2068 Jan	0.083657555	8.32359E-06	3.085049868	21.62119293	0.106365472	0.001705129	151.7337036	0.011573334	0.007517681	0.000952283	0.001671573	0.000670848	0.354655057	2.18374E-06	0.000575034	0.001088063	0.002454199	0.001829056
2068 Feb	0.083662242	8.32392E-06	3.085309505	21.62344742	0.106376454	0.001705302	151.7512665	0.011574615	0.00751795	0.000952383	0.001671752	0.00067092	0.354691356	2.18383E-06	0.000575094	0.001088163	0.002454367	0.001829247
2068 Mar	0.083681725	8.32574E-06	3.085982084	21.62809753	0.106400035	0.001705667	151.7837067	0.011577096	0.007519614	0.00095259	0.00167211	0.000671064	0.354768366	2.1843E-06	0.000575217	0.001088404	0.002454897	0.001829637
2068 Apr	0.083754793	8.33295E-06	3.088650942	21.64676476	0.106492274	0.001707138	151.9146118	0.011587084	0.007526132	0.000953414	0.001673552	0.000671642	0.355075032	2.18619E-06	0.000575713	0.001089348	0.002457018	0.001831215
2068 May	0.084577635	8.35045E-06	3.09005785	21.62209129	0.106774665	0.00170406	151.6268158	0.011568811	0.007551133	0.00095585	0.001670864	0.000670737	0.355060518	2.18754E-06	0.000574673	0.001092823	0.002458135	0.00182728
2068 Jun	0.085405573	8.27427E-06	3.010460615	20.9461441	0.104484238	0.001643991	145.8061066	0.011115411	0.007495028	0.000931599	0.00161096	0.000646728	0.343638182	2.15621E-06	0.000552969	0.001074898	0.002409734	0.001763171
2068 Jul	0.085505717	8.32232E-06	3.031309128	21.16285896	0.105270699	0.001660625	147.4946747	0.011236951	0.007519033	0.000939336	0.001628619	0.000653504	0.346727282	2.16539E-06	0.000558576	0.001082368	0.002428337	0.001782326
2068 Aug	0.08595898	8.38045E-06	3.059499741	21.40198517	0.106321171	0.001679524	149.2964478	0.011370828	0.007562044	0.000949276	0.001647512	0.000661064	0.350475907	2.17932E-06	0.000564929	0.001092074	0.002448827	0.001803037
2068 Sep	0.085904345	8.40008E-06	3.073748827	21.55954552	0.106878348	0.001693028	150.55513	0.011463691	0.007569365	0.000954818	0.001660039	0.000666109	0.35283047	2.18123E-06	0.000569194	0.001096386	0.00245701	0.001817114
2068 Oct	0.085868932	8.41048E-06	3.087055922	21.7033062	0.107420422	0.001704962	151.7469025	0.011549258	0.007573679	0.00096038	0.001671693	0.000670763	0.355013788	2.18284E-06	0.000573109	0.001100823	0.002464771	0.001829749
2068 Nov	0.08589004	8.41456E-06	3.090867519	21.74010468	0.107573166	0.00170789	152.0440979	0.011570637	0.007576244	0.000961904	0.00167467	0.000671948	0.355581701	2.1839E-06	0.000574099	0.001102168	0.002467255	0.001832951
2068 Dec	0.085894182	8.41528E-06	3.091547251	21.74660492	0.107600443	0.001708403	152.0965424	0.011574405	0.007576702	0.000962176	0.001675197	0.000672157	0.355682164	2.1841E-06	0.000574274	0.00110241	0.002467702	0.001833516
2069 Jan	0.085892558	8.4156E-06	3.09252286	21.75691032	0.10764271	0.001709203	152.1820374	0.011580475	0.007576565	0.000962606	0.001676041	0.000672492	0.355838716	2.18421E-06	0.000574549	0.001102768	0.002468292	0.00183442
2069 Feb	0.085894518	8.41586E-06	3.092927694	21.76094818	0.107660212	0.001709515	152.2149658	0.01158283	0.007576658	0.000962778	0.001676369	0.000672622	0.355901062	2.18429E-06	0.000574656	0.00110292	0.002468544	0.001834771
2069 Mar	0.085896328	8.416E-06	3.093033075	21.76187515	0.107664667	0.001709586	152.2221832	0.011583355	0.007576765	0.000962819	0.001676443	0.000672651	0.355915904	2.18433E-06	0.000574681	0.001102961	0.002468613	0.001834849
2069 Apr	0.085915282	8.41781E-06	3.093706131	21.76660919	0.107688293	0.001709958	152.2553253	0.011585876	0.007578407	0.000963029	0.001676807	0.000672798	0.355993509	2.1848E-06	0.000574806	0.001103202	0.002469147	0.001835248
2069 May	0.086156785	8.43629E-06	3.100429058	21.81243706	0.107946873	0.001713463	152.5719147	0.011610322	0.007595557	0.000965361	0.001680311	0.000674217	0.356776118	2.18927E-06	0.000575991	0.001105866	0.002474423	0.001838983
2069 Jun	0.086345114	8.44205E-06	3.044804096	21.32004929	0.105954483	0.001672882	148.6491241	0.011329155	0.007596906	0.000945805	0.001642342	0.000658254	0.349069536	2.17576E-06	0.000562239	0.001092021	0.002454753	0.00179467
2069 Jul	0.086443998	8.48822E-06	3.055706263	21.43397903	0.106308378	0.001681308	149.4540405	0.011386552	0.007623428	0.000948909	0.001651473	0.000661566	0.350503653	2.18459E-06	0.000564959	0.001096296	0.002468714	0.001804814
2069 Aug	0.08663965	8.53111E-06	3.078074932	21.64648819	0.107167318	0.001698325	151.0773468	0.011507639	0.007646459	0.000957164	0.001668305	0.000668319	0.353738308	2.19303E-06	0.00057057	0.001103607	0.002484079	0.001823618
2069 Sep	0.086262979	8.52857E-06	3.077288389	21.69091034	0.107117161	0.001703822	151.4573669	0.011535166	0.007635559	0.000956817	0.001671367	0.000669646	0.354185045	2.18755E-06	0.000571746	0.001101823	0.002480673	0.001828106
2069 Oct	0.085559815	8.50291E-06	3.057144642	21.5763855	0.106184937	0.001698356	150.6152039	0.011463464	0.007619382	0.000947849	0.001660522	0.000665491	0.351871401	2.17668E-06	0.000568483	0.001091715	0.002463121	0.001818278
2069 Nov	0.085476719	8.50374E-06	3.055288076	21.56879997	0.106064931	0.001698645	150.5733948	0.011457638	0.007623078	0.0009467	0.001659519	0.000665138	0.351664424	2.17622E-06	0.000568249	0.001090358	0.002461293	0.001817487
2069 Dec	0.085476466	8.50432E-06	3.056343079	21.57973289	0.106109411	0.001699505	150.6638184	0.011464076	0.007623201	0.000947154	0.001660413	0.000665493	0.351831079	2.17639E-06	0.000568542	0.001090738	0.002461948	0.001818445
2070 Jan	0.085477889	8.50441E-06	3.056504965	21.58135414	0.106116757	0.001699632	150.6772461	0.011465034	0.007623252	0.000947224	0.001660544	0.000665545	0.351856768	2.17641E-06	0.000568585	0.001090801	0.00246204	0.001818583
2070 Feb	0.085480206	8.50445E-06	3.056566954	21.58186913	0.106120102	0.00169967	150.6812897	0.011465331	0.007623303	0.00094725	0.001660584	0.000665561	0.351865888	2.17642E-06	0.000568598	0.001090831	0.00246207	0.001818624
2070 Mar	0.085488074	8.50512E-06	3.056811094	21.58355141	0.106129028	0.0016998	150.6929321	0.011466221	0.007623918	0.000947326	0.001660712	0.000665612	0.351894021	2.17659E-06	0.000568642	0.001090922	0.002462261	0.001818763
2070 Apr	0.085530035	8.5091E-06	3.058256388	21.59371758	0.106180064	0.001700598	150.7637634	0.011471618	0.007627511	0.000947776	0.001661492	0.000665925	0.352060735	2.1776E-06	0.000568909	0.001091445	0.002463412	0.001819615
2070 May	0.086236961	8.52453E-06	3.056854486	21.54277229	0.106286414	0.001695596	150.2489624	0.011435959	0.007650909	0.000948368	0.001656548	0.000664104	0.351547748	2.17937E-06	0.000567164	0.001093281	0.002462895	0.001813623
2070 Jun	0.087526575	8.50651E-06	3.015846252	21.1269455	0.105222009	0.001658639	146.5914307	0.011161979	0.007656429	0.000936566	0.001619677	0.000649586	0.34514761	2.16742E-06	0.000554099	0.001086054	0.002437833	0.001773078
2070 Jul	0.087873988	8.55973E-06	3.03591466	21.30396271	0.105970167	0.00167233	147.9039764	0.011260868	0.00769335	0.000943591	0.001633945	0.000655137	0.34784615	2.17865E-06	0.000558723	0.001093541	0.002455337	0.001788583
2070 Aug	0.088160485	8.606E-06	3.057965994	21.50609207	0.106811829	0.001688312	149.43396	0.011375243	0.007722467	0.000951656	0.001649935	0.000661536	0.350944668	2.18838E-06	0.000564034	0.001100949	0.002471169	0.00180637
2070 Sep	0.087871477	8.6093E-06	3.058588266	21.55669212	0.106816553	0.001694614	149.879776	0.011410268	0.007719493	0.000951917	0.001653764	0.00066318	0.351608336	2.1838E-06	0.000565506	0.001099821	0.002468987	0.001811404
2070 Oct	0.087501228	8.59947E-06	3.049387932	21.51197243	0.106378026	0.001693366	149.5715942	0.011384247	0.007713949	0.000947767	0.001649436	0.00066156	0.35067302	2.17809E-06	0.00056429	0.001094885	0.002460509	0.001807707
2070 Nov	0.087445848	8.60021E-06	3.052381516	21.54989624	0.106495202	0.001696524	149.8847809	0.011405306	0.007713206	0.000948968	0.001652368	0.00066273	0.351186901	2.1783E-06	0.000565258	0.001095749	0.002462121	0.001811054
2070 Dec	0.08744321	8.60058E-06	3.053383112	21.56061172	0.106538393	0.001697362	149.9740753	0.011411646	0.007713107	0.000949412	0.001653248	0.000663079	0.351349175	2.17843E-06	0.000565543	0.001096114	0.002462737	0.001811997
2071 Jan	0.087443978	8.60067E-06	3.053596735	21.56282043	0.106547929	0.001697535	149.9924011	0.011412953	0.007713126	0.000949505	0.001653427	0.00066315	0.351383418	2.17845E-06	0.000565602	0.001096195	0.002462863	0.001812188
2071 Feb	0.087445922	8.6007E-06	3.053606749	21.56280136	0.106548801	0.001697531	149.9920197	0.011412933	0.007713182	0.000949508	0.001653424	0.000663149	0.351384163	2.17846E-06	0.000565601	0.001096204	0.002462864	0.001812183
2071 Mar	0.08744847	8.60086E-06	3.053663492	21.56315231	0.106551073	0.001697558	149.9943237	0.011413113	0.007713343	0.000949525	0.001653449	0.000663159	0.351390451	2.1785E-06	0.000565609	0.001096227	0.002462906	0.00181221
2071 Apr	0.087466799	8.60261E-06	3.054285288	21.56751442	0.106572933	0.0016979	150.0245819	0.011415419	0.007714924	0.000949719	0.001653783	0.000663293	0.351461887	2.17894E-06	0.000565724	0.001096452	0.002463405	0.001812575
2071 May	0.088178411	8.60707E-06	3.047724247	21.47333145	0.106535546	0.001689154	149.1617432	0.011353299	0.007729986	0.000948921	0.001645168	0.000660032	0.350266069	2.17762E-06	0.000562692	0.001096959	0.002458839	0.001802574
2071 Jun	0.089022592	8.55344E-06	2.981702566	20.85993195	0.104467705	0.001635552	143.8876801	0.010949488	0.007703777	0.000927068	0.001591454	0.000638599	0.340241641	2.15788E-06	0.000543703	0.001080948	0.002419224	0.001744517
2071 Jul	0.089003213	8.58253E-06	2.984023094	20.89379883	0.104467988	0.001637659	144.0273285	0.010957114	0.007719026	0.000926564	0.001593687	0.000639235	0.340368539	2.16366E-06	0.000544196	0.001081766	0.002425968	0.001747721
2071 Aug	0.08934471	8.62909E-06	3.002355576	21.04787064	0.105139643	0.001649961	145.138382	0.011041691	0.007752231	0.000932708	0.001605628	0.000644037	0.342759252	2.1738E-06	0.000548204	0.001087992	0.002439766	0.001761183
2071 Sep	0.08909867	8.63734E-06	3.006533384	21.12334061	0.105291799	0.001657595	145.7707214	0.011090451	0.00774791	0.00093434	0.001611572	0.000646524	0.343826085	2.17154E-06	0.000550275	0.001088191	0.002440673	0.001768413
2071 Oct	0.088931456	8.63671E-06	3.006355762	21.14700317	0.105276443	0.001660767	145.9971008	0.011108128	0.0077461	0.000934366	0.001613419	0.000647316	0.344138086	2.1687E-06	0.000550997	0.001087458	0.002439096	0.001770821
2071 Nov	0.088897049	8.64068E-06	3.006132603	21.15172577	0.10523627	0.001662281	146.0809631	0.011114365	0.007752907	0.000934127	0.00161377	0.000647517	0.344244778	2.16823E-06	0.00055124	0.001086832	0.0024383	0.001771173
2071 Dec	0.088894896	8.64132E-06	3.0068717	21.15987015	0.105265856	0.001662994	146.1520386	0.011119418	0.007753447	0.000934443	0.001614436	0.000647786	0.344371587	2.16834E-06	0.000551464	0.001087068	0.002438738	0.001771881
2072 Jan	0.088897906	8.64144E-06	3.006906986	21.16001892	0.105267555	0.001663008	146.1529846	0.01111195	0.007753614	0.000934452	0.001614445	0.00064779	0.344375491	2.16836E-06	0.000551468	0.001087085	0.002438757	0.001771888
2072 Feb	0.088901505	8.64153E-06	3.006937265	21.16008568	0.105269462	0.00166301	146.1530151	0.011119517	0.007753744	0.000934461	0.001614446	0.000647791	0.344378293	2.16838E-06	0.000551468	0.001087104	0.00243877	0.001771887
2072 Mar	0.088904858	8.64172E-06	3.007000923	21.1604538	0.105272159	0.001663037	146.1553497	0.011119703	0.007753937	0.00093448	0.001614472	0.000647801	0.344385207	2.16842E-06	0.000551477	0.001087132	0.002438816	0.001771914
2072 Apr	0.088937268	8.64479E-06	3.008069754	21.1679287	0.105309822	0.001663623	146.2068481	0.011123626	0.007756707	0.000934812	0.001615041	0.00064803	0.344507396	2.16919E-06	0.000551672	0.001087521	0.002439679	0.001772538
2072 May	0.089100339	8.66052E-06	3.013548374	21.2064743	0.105502278	0.00166665	146.4729919	0.011143884	0.00777083	0.00093652	0.001617981	0.00064921	0.345135361	2.17313E-06	0.000552676	0.001089508	0.002444118	0.001775764
2072 Jun	0.088626981	8.66574E-06	2.970251322	20.84032822	0.103672937	0.001637061	143.6149139	0.010934498	0.00776589	0.000918716	0.001590475	0.000637319	0.339026541	2.16667E-06	0.000542705	0.001076229	0.002432133	0.001743985
2072 Jul	0.088641904	8.70002E-06	2.972504139	20.87899208	0.103698954	0.001639766	143.8612366	0.010953449	0.007782803	0.000918877	0.00159372	0.000638363	0.339364737	2.17157E-06	0.000543504	0.001077002	0.00243919	0.001747709
2072 Aug	0.088314407	8.71786E-06	2.969597578	20.88154221	0.103470311	0.001641757	143.843277	0.01095307	0.007777098	0.000916404	0.001592983	0.000638312	0.339143693	2.17115E-06	0.000543363	0.001073119	0.00243602	0.001748516
2072 Sep	0.087937288	8.71999E-06	2.962854385	20.85096169	0.103104241	0.001641231	143.5925751	0.010933137	0.007767979	0.000912672	0.001589613	0.000637159	0.338403851	2.16824E-06	0.000542384	0.001068381	0.002429751	0.001746256
2072 Oct	0.087224178	8.69023E-06	2.946897507	20.76966667	0.102340698	0.001636736	142.9412231	0.010871671	0.007744664	0.000905092	0.00158116	0.00063387	0.336425513	2.16055E-06	0.000539716	0.001060087	0.002415946	0.001739425
2072 Nov	0.087111257	8.68823E-06	2.948778391	20.80314827	0.102406092	0.001639686	143.2235565	0.010889149	0.007742045	0.000905795	0.001583589	0.000634848	0.336812913	2.16021E-06	0.000540514	0.00106037	0.00241658	0.001742396
2072 Dec	0.087104894	8.68874E-06	2.950631857	20.82341766	0.102487944	0.001641263	143.3928833	0.010901179	0.007741668	0.000906637	0.001585255	0.000635508	0.337118596	2.16042E-06	0.000541049	0.001061061	0.002417729	0.001744188
2073 Jan	0.087105155	8.68889E-06	2.951055765	20.82794189	0.102506973	0.001641614	143.4305115	0.01090386	0.007741646	0.000906828	0.001585624	0.000635655	0.337187767	2.16047E-06	0.000541168	0.001061223	0.002417988	0.001744584
2073 Feb	0.087108053	8.689E-06	2.951094389	20.828125	0.102508925	0.001641626	143.4315338	0.010903945	0.007741774	0.00090684	0.001585636	0.00063566	0.33719185	2.16049E-06	0.000541172	0.001061243	0.002418012	0.001744595
2073 Mar	0.087113172	8.68941E-06	2.951233387	20.82905006	0.102514073	0.001641698	143.4377441	0.010904424	0.007742158	0.000906882	0.001585705	0.000635688	0.337207496	2.16059E-06	0.000541195	0.001061296	0.002418122	0.00174467
2073 Apr	0.087182432	8.69628E-06	2.953591585	20.84577179	0.102596439	0.001643015	143.5532532	0.010913196	0.007748276	0.000907611	0.001586979	0.000636199	0.33747822	2.1623E-06	0.00054163	0.001062147	0.002420046	0.001746071
2073 May	0.088052407	8.70696E-06	2.971808672	21.01277351	0.10374292	0.001653882	144.8563538	0.011003244	0.007762394	0.00091889	0.001599501	0.000641371	0.340291917	2.16395E-06	0.000545253	0.001072989	0.002430766	0.001758458
2073 Jun	0.089168958	8.67924E-06	2.955042839	20.87306213	0.10379713	0.001637438	143.5161896	0.010888595	0.007750027	0.000918741	0.001585126	0.000635723	0.337920487	2.15341E-06	0.00053926	0.001075255	0.002420523	0.001741928
2073 Jul	0.089252226	8.71346E-06	2.963759422	20.96266365	0.104064547	0.001643958	144.0537109	0.010926843	0.00776877	0.000920759	0.001591408	0.000638111	0.338939548	2.16069E-06	0.000541206	0.001077956	0.00242937	0.001750058
2073 Aug	0.089535594	8.75737E-06	2.98215127	21.13009834	0.104765087	0.001657194	145.2932434	0.011020622	0.007797129	0.000927358	0.00160453	0.000643371	0.341493458	2.1697E-06	0.00054553	0.001084196	0.002443061	0.001764858
2073 Sep	0.08938393	8.76883E-06	2.992091179	21.25643921	0.105179437	0.001668136	146.3132782	0.011097123	0.007795841	0.000931521	0.001614638	0.000647466	0.343338728	2.1697E-06	0.000548865	0.001087078	0.002448435	0.001776548

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.089050062	8.7623E-06	2.993216515	21.31649017	0.105233192	0.001675056	146.9060516	0.011140883	0.007788816	0.000932538	0.001619568	0.000649526	0.344183326	2.16446E-06	0.000550618	0.001086443	0.002446455	0.001782399
2073 Nov	0.088977054	8.76255E-06	2.995966434	21.3559742	0.105349667	0.001678627	147.2520142	0.011165562	0.007787975	0.000933818	0.001622762	0.000650817	0.344758183	2.16392E-06	0.000551682	0.001087209	0.002447668	0.001785979
2073 Dec	0.0889742	8.7635E-06	2.998050451	21.37839699	0.105440974	0.001680371	147.4380035	0.011178815	0.007787939	0.000934751	0.001624599	0.000651546	0.345096827	2.16424E-06	0.00055227	0.00108799	0.002449001	0.00178796
2074 Jan	0.088969797	8.76383E-06	2.999452829	21.39390373	0.105504252	0.00168157	147.5676117	0.011188028	0.007787584	0.000935398	0.001625873	0.000652051	0.345330536	2.16438E-06	0.000552675	0.001088525	0.002449874	0.001789332
2074 Feb	0.088969633	8.76396E-06	2.999996185	21.39984512	0.105529301	0.001682027	147.6170654	0.011191551	0.007787478	0.000935649	0.00162636	0.000652244	0.345420718	2.16444E-06	0.000552829	0.001088738	0.002450211	0.001789856
2074 Mar	0.088976599	8.76456E-06	3.000207901	21.40133476	0.105537161	0.001682142	147.6273499	0.011192331	0.007788019	0.000935716	0.001626472	0.000652289	0.345445335	2.16458E-06	0.000552867	0.001088819	0.002450377	0.001789979
2074 Apr	0.089035243	8.77028E-06	3.002165556	21.41526985	0.105606213	0.001683237	147.7233734	0.011199614	0.007793112	0.000936326	0.00162753	0.000652714	0.345670581	2.16599E-06	0.000553227	0.001089531	0.002451974	0.001791143
2074 May	0.090225942	8.77826E-06	3.016741037	21.5385704	0.106740765	0.001689737	148.6182556	0.011258585	0.007810429	0.00094729	0.001635852	0.000656295	0.347869784	2.16637E-06	0.000555302	0.001100632	0.002460019	0.001798739
2074 Jun	0.091116674	8.70483E-06	2.981047392	21.25898743	0.106182598	0.001660416	146.0013275	0.011039836	0.007758205	0.00094066	0.001608074	0.00064536	0.342777938	2.14577E-06	0.000544606	0.001096901	0.002434331	0.00176925
2074 Jul	0.091418914	8.75543E-06	2.99677968	21.39778137	0.106731698	0.001670919	146.9452515	0.011109652	0.007793626	0.000945457	0.001618631	0.000649444	0.344723761	2.157E-06	0.000547971	0.001102601	0.002449088	0.001781391
2074 Aug	0.091879793	8.81314E-06	3.025419712	21.65162659	0.10784936	0.001690755	148.8516541	0.011250812	0.007835576	0.000955995	0.001638589	0.000657413	0.348635584	2.17067E-06	0.000554511	0.00111303	0.002470381	0.001803476
2074 Sep	0.091554314	8.8233E-06	3.048015118	21.93460464	0.108841278	0.001714336	151.2179565	0.011423483	0.007826555	0.000966278	0.001661703	0.000666675	0.35281232	2.17031E-06	0.000561984	0.00112051	0.002483146	0.001829326
2074 Oct	0.091255933	8.82679E-06	3.068821192	22.19661331	0.109762609	0.001736371	153.4730682	0.011585739	0.007819842	0.000976077	0.001683294	0.000675311	0.356727481	2.16944E-06	0.000568985	0.001127578	0.002494658	0.001853008
2074 Nov	0.091106899	8.83219E-06	3.095376015	22.49765396	0.110956982	0.001759866	155.9988556	0.011765582	0.007811495	0.00098842	0.001708076	0.000685138	0.361236781	2.17169E-06	0.000576861	0.001137571	0.002511192	0.001879829
2074 Dec	0.091087408	8.83342E-06	3.100165129	22.55096245	0.111171737	0.001763995	156.4444885	0.011797279	0.007810291	0.000990631	0.001712461	0.000686876	0.362036854	2.17222E-06	0.000578253	0.001139388	0.002514223	0.001884565
2075 Jan	0.091085285	8.83367E-06	3.101056814	22.56083298	0.111212194	0.001764759	156.5269623	0.011803151	0.00781012	0.000991043	0.001713272	0.000687197	0.362185806	2.17232E-06	0.00057851	0.001139731	0.002514784	0.001885439
2075 Feb	0.09108717	8.83392E-06	3.101486683	22.56534004	0.111231714	0.001765105	156.5639343	0.011805801	0.007810192	0.000991234	0.001713638	0.000687343	0.362254798	2.17239E-06	0.000578626	0.001139901	0.002515061	0.001885834
2075 Mar	0.091098636	8.83502E-06	3.101984024	22.56938934	0.111251011	0.00176542	156.5938568	0.011808013	0.00781112	0.000991411	0.001713953	0.000687469	0.362318933	2.17267E-06	0.00057873	0.001140089	0.002515439	0.001886177
2075 Apr	0.091151081	8.84022E-06	3.104050636	22.58543396	0.111327797	0.001766671	156.7093048	0.011816614	0.0078156	0.00099211	0.001715189	0.000687964	0.362573653	2.17396E-06	0.000579142	0.001140855	0.002517067	0.001887533
2075 May	0.09146975	8.85963E-06	3.129755974	22.8452034	0.11255677	0.001786335	158.8361511	0.011970318	0.007826245	0.001004493	0.00173634	0.00069642	0.366674602	2.17873E-06	0.000585778	0.001151879	0.002534007	0.001909895
2075 Jun	0.090302497	8.83146E-06	3.059619427	22.2658596	0.109538764	0.001739501	154.3029175	0.011632558	0.007787845	0.000975201	0.001692036	0.00067744	0.356777459	2.16406E-06	0.000570045	0.001128407	0.0025084	0.001859851
2075 Jul	0.089999296	8.85059E-06	3.043551683	22.14416313	0.108738326	0.001729087	153.2120056	0.011548146	0.007792851	0.000966945	0.001682037	0.000672942	0.354260594	2.166E-06	0.000566306	0.00112264	0.00250708	0.001849425
2075 Aug	0.090213075	8.88983E-06	3.059744835	22.29753304	0.109363504	0.001741295	154.343811	0.011634389	0.007815908	0.000972806	0.00169403	0.000677762	0.356572807	2.17354E-06	0.000570224	0.00112808	0.002519074	0.001863141
2075 Sep	0.090251207	8.91008E-06	3.07365942	22.44455719	0.109937809	0.001753204	155.4921875	0.011719638	0.007825216	0.000978385	0.001705737	0.000682453	0.358769834	2.17723E-06	0.000574023	0.001132943	0.002528355	0.001876376
2075 Oct	0.090134293	8.91289E-06	3.078333139	22.51266479	0.110135272	0.001759607	156.0865631	0.011763642	0.00782598	0.000980544	0.001711279	0.000684713	0.359787494	2.17629E-06	0.000575881	0.001134196	0.002530355	0.001882687
2075 Nov	0.090126902	8.91704E-06	3.084044695	22.5755291	0.110381395	0.001764708	156.6120605	0.011801398	0.007827815	0.000983069	0.001716407	0.000686761	0.360742003	2.17725E-06	0.000577533	0.001136265	0.002533984	0.001888263
2075 Dec	0.090124391	8.91782E-06	3.085623026	22.59281349	0.110451229	0.001766063	156.7561493	0.01181168	0.007827867	0.000983785	0.001717823	0.000687324	0.361002982	2.1775E-06	0.000577983	0.00113686	0.002535002	0.001889794
2076 Jan	0.090126105	8.91798E-06	3.085882902	22.5955143	0.110463113	0.001766274	156.7785034	0.011813283	0.007827949	0.0009839	0.001718042	0.000687411	0.361044973	2.17754E-06	0.000578053	0.001136963	0.002535163	0.001890029
2076 Feb	0.090132497	8.91837E-06	3.086018801	22.59636879	0.110468708	0.001766337	156.7840576	0.011813716	0.007828341	0.000983943	0.001718104	0.000687436	0.361060172	2.17763E-06	0.000578074	0.00113702	0.002535265	0.001890094
2076 Mar	0.090144277	8.91941E-06	3.086377144	22.5989151	0.11048194	0.001766535	156.8015442	0.011815041	0.007829276	0.000984057	0.001718296	0.000687513	0.361101717	2.17789E-06	0.000578139	0.001137156	0.002535554	0.001890304
2076 Apr	0.090175644	8.92244E-06	3.087426186	22.60655403	0.1105197	0.001767131	156.8544006	0.011819029	0.007831951	0.000984391	0.001718875	0.000687745	0.361224234	2.17863E-06	0.000578334	0.001137545	0.002536412	0.001890941
2076 May	0.091014855	8.94081E-06	3.087029219	22.55211639	0.110692665	0.001761978	156.3387451	0.01178714	0.007860343	0.000985769	0.001714088	0.00068602	0.360867769	2.18049E-06	0.000576694	0.00114012	0.002536441	0.001884553
2076 Jun	0.092427425	8.89544E-06	3.023591757	21.89262009	0.108787425	0.001705298	150.7375946	0.011379401	0.007853888	0.000965911	0.001658273	0.000663948	0.351078153	2.16039E-06	0.000557541	0.00112599	0.002496323	0.001821893
2076 Jul	0.092362702	8.92071E-06	3.024533272	21.91662979	0.108714484	0.001706501	150.7459717	0.011376384	0.007865636	0.000964564	0.001659165	0.000664099	0.350940645	2.16578E-06	0.000557648	0.001125851	0.002501144	0.001824172
2076 Aug	0.09272413	8.97116E-06	3.045095205	22.09881401	0.109499961	0.001720948	152.0856323	0.011477441	0.0079007	0.000971859	0.001673348	0.000669794	0.353736103	2.17662E-06	0.000562294	0.00113307	0.002516842	0.001840142
2076 Sep	0.092749536	8.99189E-06	3.060860157	22.26829338	0.110160582	0.001734657	153.4279022	0.011576461	0.007909887	0.000978345	0.001686911	0.000675225	0.356269032	2.18051E-06	0.000566665	0.001138655	0.002527352	0.001855394
2076 Oct	0.092429154	8.9842E-06	3.061896801	22.32351875	0.110221252	0.001740785	153.9694061	0.01161724	0.007900979	0.000979366	0.001691546	0.000677154	0.357047647	2.17586E-06	0.000568243	0.001138195	0.002525735	0.001860985
2076 Nov	0.092355199	8.98521E-06	3.067695141	22.39619255	0.110482715	0.001746835	154.5942993	0.01166217	0.007899298	0.000982134	0.00169753	0.00067955	0.358133882	2.1758E-06	0.000570158	0.00114023	0.002529051	0.001867562
2076 Dec	0.092347436	8.9861E-06	3.070253372	22.4247818	0.110598303	0.001749053	154.8330231	0.011679177	0.007898918	0.00098332	0.001699876	0.000680481	0.358562738	2.17613E-06	0.000570897	0.001141213	0.002530707	0.001870105
2077 Jan	0.092346996	8.98624E-06	3.070729256	22.43006134	0.110620238	0.001749462	154.8771667	0.011682326	0.007898861	0.000983541	0.001700309	0.000680653	0.358642757	2.17619E-06	0.000571033	0.0011414	0.002531007	0.001870572
2077 Feb	0.092350252	8.98639E-06	3.070779324	22.43032646	0.110622592	0.001749481	154.8787537	0.011682454	0.00789902	0.000983557	0.001700327	0.00068066	0.358648121	2.17622E-06	0.000571039	0.001141424	0.00253104	0.00187059
2077 Mar	0.092355199	8.98678E-06	3.070915699	22.43128014	0.110627837	0.001749554	154.8852386	0.011682948	0.007899379	0.000983601	0.001700398	0.000680689	0.358663976	2.17632E-06	0.000571063	0.001141478	0.002531147	0.001870667
2077 Apr	0.09239383	8.99049E-06	3.072181463	22.44049454	0.110673606	0.001750272	154.9487762	0.011687744	0.007902646	0.000984006	0.001701095	0.000680968	0.358811677	2.17721E-06	0.000571298	0.00114195	0.002532189	0.001871434
2077 May	0.093038179	9.00209E-06	3.072412491	22.40907478	0.110856451	0.001746911	154.6270752	0.011667614	0.007921606	0.000985544	0.001698098	0.00067992	0.358653933	2.17815E-06	0.000570207	0.001144323	0.002532305	0.001867369
2077 Jun	0.093867213	8.95127E-06	3.024380684	21.95133209	0.109501265	0.001706276	150.71138	0.01137555	0.007895611	0.00097146	0.001658746	0.000664263	0.351519614	2.15977E-06	0.000556332	0.001134192	0.00250208	0.001823553
2077 Jul	0.094272129	9.00849E-06	3.042025089	22.10316658	0.110159993	0.001717942	151.8235168	0.011460094	0.007938326	0.00097755	0.001671061	0.000668996	0.353839934	2.17184E-06	0.000560187	0.001141308	0.002519661	0.00183675
2077 Aug	0.094657965	9.06056E-06	3.062443018	22.28162766	0.110938311	0.001732081	153.1147766	0.011558008	0.007975032	0.000984681	0.001684862	0.00067454	0.356575012	2.183E-06	0.000564706	0.00114856	0.002535426	0.001852384
2077 Sep	0.094098531	9.05175E-06	3.058294058	22.30392075	0.110757962	0.001736589	153.4026642	0.011583619	0.007955348	0.000983311	0.001686808	0.000675513	0.35680142	2.1756E-06	0.00056544	0.001145035	0.002529391	0.001855719
2077 Oct	0.093932502	9.05515E-06	3.066156149	22.41300201	0.111097522	0.001746451	154.3609924	0.0116535	0.007955896	0.000987006	0.001695759	0.000679139	0.358431369	2.17492E-06	0.000568361	0.001147397	0.0025334	0.001865761
2077 Nov	0.093933389	9.05871E-06	3.071401358	22.47018433	0.111329556	0.001750919	154.8318939	0.011687236	0.00795689	0.000989358	0.001700416	0.00068099	0.359290063	2.17595E-06	0.000569831	0.0011494	0.002536908	0.001870839
2077 Dec	0.093932994	9.05939E-06	3.072565079	22.48291969	0.111381464	0.00175191	154.9374542	0.011694781	0.007957019	0.000989886	0.001701456	0.000681404	0.359481722	2.17616E-06	0.000570159	0.001149847	0.002537684	0.001871969
2078 Jan	0.093934499	9.05962E-06	3.072891235	22.48637199	0.111396223	0.001752178	154.9658661	0.011696816	0.00795712	0.000990032	0.001701737	0.000681515	0.359534472	2.17622E-06	0.000570247	0.001149976	0.002537898	0.001872272
2078 Feb	0.09393768	9.05979E-06	3.072959423	22.48683357	0.111399293	0.001752212	154.9690247	0.011697059	0.00795729	0.000990055	0.00170177	0.000681529	0.359542698	2.17626E-06	0.000570258	0.001150006	0.002537946	0.001872308
2078 Mar	0.093941584	9.06009E-06	3.073059797	22.48751831	0.111403175	0.001752265	154.9736176	0.011697411	0.007957566	0.000990087	0.001701821	0.000681549	0.359554172	2.17633E-06	0.000570275	0.001150046	0.002538025	0.001872363
2078 Apr	0.094012879	9.06693E-06	3.075393438	22.50462914	0.111488082	0.001753597	155.0917206	0.011706322	0.007963574	0.000990841	0.001703117	0.000682068	0.359827906	2.17798E-06	0.000570709	0.001150921	0.002539948	0.001873788
2078 May	0.09538395	9.06458E-06	3.074762106	22.45708466	0.112027459	0.001746575	154.5869904	0.011666291	0.00798293	0.000995803	0.001697436	0.000680173	0.359582603	2.17538E-06	0.000568257	0.001157009	0.002537586	0.001865832
2078 Jun	0.096017502	9.00166E-06	3.032485962	22.06695557	0.110820606	0.001710719	151.0626984	0.011390863	0.007945848	0.000982683	0.001661351	0.000665971	0.352978528	2.15895E-06	0.000555638	0.001147167	0.00250713	0.001827575
2078 Jul	0.096489601	9.06004E-06	3.052554369	22.23731041	0.111572765	0.00172385	152.2723846	0.011482089	0.007990107	0.000989538	0.001674524	0.000671179	0.355560809	2.17182E-06	0.000559887	0.001154639	0.002524315	0.001842312
2078 Aug	0.096632227	9.09906E-06	3.070192337	22.42097282	0.112286299	0.001738428	153.6779785	0.011588475	0.008009181	0.000996465	0.001689105	0.000677032	0.358292431	2.17881E-06	0.000564535	0.001160537	0.002537297	0.001858981
2078 Sep	0.096569464	9.12163E-06	3.091566563	22.66148186	0.113210335	0.001757819	155.6355591	0.011731672	0.008013889	0.001005718	0.001708567	0.000684835	0.361878306	2.18314E-06	0.000570694	0.001168097	0.002551506	0.001880727
2078 Oct	0.096320562	9.12405E-06	3.109416962	22.88986397	0.114036724	0.001776404	157.5684357	0.011871372	0.008005156	0.001014349	0.00172735	0.000692324	0.365236968	2.18295E-06	0.000576596	0.001174622	0.002562201	0.001901636
2078 Nov	0.096283756	9.1266E-06	3.114598274	22.95166397	0.11426878	0.001781437	158.0901031	0.011908959	0.008005173	0.001016755	0.001732416	0.000694346	0.366160154	2.18346E-06	0.000578197	0.00117652	0.002565473	0.001907214
2078 Dec	0.096280903	9.12713E-06	3.1157794	22.96496201	0.114322409	0.001782472	158.2011566	0.011916884	0.008005124	0.001017304	0.001733506	0.00069478	0.366359353	2.18364E-06	0.000578538	0.001176978	0.002566257	0.001908399
2079 Jan	0.096274883	9.12732E-06	3.116994143	22.979105	0.11437948	0.001783564	158.3202972	0.011925363	0.008004697	0.001017891	0.001734671	0.000695241	0.366570503	2.18375E-06	0.000578899	0.00117746	0.002567041	0.001909664
2079 Feb	0.096275173	9.12737E-06	3.117248535	22.98198128	0.114391871	0.001783784	158.3443298	0.01192708	0.008004644	0.001018013	0.001734906	0.000695335	0.366614163	2.18377E-06	0.000578971	0.001177565	0.002567202	0.001909919
2079 Mar	0.096282572	9.12808E-06	3.1176157	22.98521042	0.114406966	0.001784033	158.3688049	0.011928875	0.008005217	0.001018153	0.001735159	0.000695436	0.366664588	2.18395E-06	0.000579053	0.001177709	0.002567478	0.001910195
2079 Apr	0.096323945	9.13202E-06	3.119041204	22.99606705	0.114460319	0.001784874	158.4450684	0.011934587	0.008008633	0.001018632	0.001735985	0.000695767	0.366836995	2.18489E-06	0.000579326	0.001178251	0.002568636	0.001911103
2079 May	0.096576639	9.14864E-06	3.124180794	23.02879715	0.114674911	0.001787299	158.658371	0.01195144	0.008024565	0.001020541	0.0017384	0.000696757	0.36741972	2.18858E-06	0.000580121	0.001180533	0.002572858	0.001913621
2079 Jun	0.096198611	9.10021E-06	3.051376581	22.37674141	0.111878537	0.001733528	153.4861603	0.011573156	0.007985669	0.000993327	0.001687492	0.000675592	0.357036203	2.16798E-06	0.000562337	0.001158936	0.00253904	0.001855418
2079 Jul	0.095844574	9.11536E-06	3.043399572	22.34194374	0.111441828	0.001730067	153.1067963	0.011541573	0.007984308	0.000988792	0.001684483	0.000673981	0.355880588	2.16965E-06	0.000560949	0.001155761	0.002540624	0.001852922
2079 Aug	0.096174352	9.16437E-06	3.065140724	22.54799271	0.112311222	0.001746237	154.666626	0.011658199	0.008016572	0.000997092	0.001700714	0.00068048	0.359009683	2.18005E-06	0.000566146	0.001163571	0.002557248	0.001871125
2079 Sep	0.095881812	9.16909E-06	3.070768356	22.64848709	0.11255075	0.001755939	155.5284271	0.011724347	0.00801234	0.00099968	0.001708864	0.00068384	0.360448152	2.17794E-06	0.000568805	0.001164601	0.002559297	0.001881004
2079 Oct	0.095606841	9.1656E-06	3.074103832	22.72158432	0.112693138	0.001763147	156.1942749	0.011772402	0.008007438	0.001001411	0.001714762	0.000686259	0.361452132	2.17556E-06	0.000570731	0.001165034	0.002559928	0.001888048
2079 Nov	0.095462896	9.16232E-06	3.07254529	22.72212982	0.112598643	0.001764005	156.2294312	0.011773166	0.008006413	0.001000591	0.00171459	0.000686232	0.361370772	2.17441E-06	0.000570731	0.001163806	0.002558124	0.001888193
2079 Dec	0.095351689	9.15924E-06	3.071158409	22.72013664	0.112515271	0.001764501	156.2454224	0.011772434	0.008005884	0.000999882	0.001714266	0.000686137	0.361274779	2.17358E-06	0.000570672	0.001162768	0.00255661	0.001888031
2080 Jan	0.095352598	9.15928E-06	3.071342707	22.72221184	0.112524323	0.001764663	156.2628326	0.01177365	0.008005895	0.000999966	0.001714431	0.000686203	0.36130625	2.17359E-06	0.000570723	0.001162844	0.002556715	0.00188821
2080 Feb	0.095357351	9.15941E-06	3.071418047	22.72270012	0.11252851	0.001764696	156.2661743	0.011773907	0.008006062	0.000999994	0.001714465	0.000686217	0.361315846	2.17362E-06	0.000570734	0.001162884	0.002556756	0.001888244
2080 Mar	0.09536051	9.15952E-06	3.071459532	22.72290039	0.112530656	0.001764709	156.2673035	0.011774002	0.008006198	0.001000007	0.001714477	0.000686222	0.361320287	2.17365E-06	0.000570738	0.001162905	0.002556781	0.001888256
2080 Apr	0.095390007	9.16225E-06	3.072373629	22.72959518	0.112564482	0.001765227	156.3131866	0.011777465	0.008008603	0.001000304	0.001714981	0.000686424	0.361427516	2.17429E-06	0.000570906	0.001163255	0.002557537	0.00188881
2080 May	0.095582493	9.17971E-06	3.078295708	22.77342987	0.112787776	0.001768609	156.614624	0.011800284	0.008023915	0.001002295	0.00171829	0.000687751	0.36213088	2.17838E-06	0.000572001	0.001165557	0.00256243	0.00189244
2080 Jun	0.094691724	9.16053E-06	3.028521061	22.3519249	0.110551856	0.001734517	153.2879639	0.011550704	0.00799882	0.000980515	0.001685868	0.000673844	0.354875982	2.16982E-06	0.000560664	0.00114817	0.002544613	0.001855837
2080 Jul	0.0942889	9.1726E-06	3.011653662	22.22929764	0.109717622	0.001724196	152.2067413	0.011468802	0.007995674	0.000972116	0.001675881	0.000669417	0.352363348	2.16984E-06	0.000557018	0.001141483	0.002541076	0.00184562
2080 Aug	0.094447084	9.2091E-06	3.023188829	22.34512901	0.110158212	0.001733595	153.0555267	0.011535409	0.008015571	0.000976261	0.001684901	0.000673079	0.354088962	2.17598E-06	0.00055991	0.001145016	0.002550014	0.001856238

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.094227746	9.21817E-06	3.027076244	22.41302109	0.11030826	0.001740404	153.6292419	0.011580939	0.008012258	0.000977807	0.001690328	0.000675389	0.355071455	2.17518E-06	0.000561676	0.001145264	0.002551407	0.001863042
2080 Oct	0.093924448	9.21344E-06	3.031743288	22.50508499	0.110511795	0.001748939	154.4362335	0.011637414	0.008005593	0.000980111	0.001697531	0.000678329	0.356284291	2.1731E-06	0.000563978	0.001146172	0.002552827	0.001871716
2080 Nov	0.093683071	9.20673E-06	3.031843424	22.53557205	0.110483482	0.001752276	154.7269135	0.011653458	0.008001506	0.000980019	0.001699509	0.00067917	0.356541365	2.17185E-06	0.000564641	0.001145289	0.002551695	0.001874451
2080 Dec	0.093658924	9.20686E-06	3.033875465	22.56110764	0.110575683	0.001754324	154.9445343	0.01166856	0.008000908	0.000980984	0.001701567	0.000679991	0.356908113	2.17204E-06	0.00056528	0.001146028	0.002552966	0.001876727
2081 Jan	0.0936611	9.20703E-06	3.034083843	22.56328583	0.110585459	0.001754493	154.9623871	0.011669837	0.00800103	0.000981076	0.001701741	0.000680061	0.35694173	2.17209E-06	0.000565334	0.001146113	0.002553101	0.001876916
2081 Feb	0.093664721	9.20713E-06	3.034115076	22.56335831	0.110587388	0.001754496	154.9624786	0.011669858	0.008001163	0.000981085	0.001701742	0.000680062	0.356944621	2.1721E-06	0.000565335	0.001146133	0.002553115	0.001876915
2081 Mar	0.093669876	9.20749E-06	3.034235477	22.56416512	0.110592216	0.001754557	154.9677887	0.011670267	0.008001507	0.000981123	0.001701801	0.000680086	0.35695833	2.17219E-06	0.000565355	0.001146183	0.00255321	0.001876979
2081 Apr	0.093715109	9.21171E-06	3.035689354	22.57512474	0.110646881	0.001755404	155.0436859	0.011675981	0.008005181	0.000981604	0.001702629	0.000680416	0.357132614	2.17318E-06	0.000565628	0.001146743	0.002554407	0.00187789
2081 May	0.094980128	9.2182E-06	3.025504827	22.39923096	0.110554107	0.001739516	153.4706726	0.011563882	0.008035935	0.00098003	0.001686948	0.000674499	0.355026007	2.17246E-06	0.000560386	0.001147378	0.002546477	0.001859214
2081 Jun	0.095629454	9.17801E-06	2.991232157	22.05005646	0.109482341	0.001708306	150.3225555	0.011324087	0.00801919	0.000968349	0.001655303	0.000662052	0.349369407	2.16166E-06	0.000549666	0.001138858	0.002521957	0.001825229
2081 Jul	0.096147031	9.23865E-06	3.011247158	22.21458626	0.11021781	0.001720857	151.4459686	0.011407509	0.008067334	0.000974841	0.001667668	0.00066693	0.351808727	2.17565E-06	0.000553653	0.001146435	0.002539514	0.001839211
2081 Aug	0.096658498	9.29869E-06	3.03491807	22.41980934	0.111141421	0.001736856	152.9299774	0.01151887	0.008112756	0.000983313	0.001683495	0.000673261	0.354951322	2.1891E-06	0.00055876	0.001155326	0.002558391	0.001856989
2081 Sep	0.096575521	9.31659E-06	3.04962635	22.59479713	0.111788809	0.001751213	154.3426819	0.011623832	0.008115704	0.000989741	0.001697581	0.000678938	0.357530862	2.19179E-06	0.000563167	0.001160451	0.002568141	0.001873105
2081 Oct	0.096448295	9.32215E-06	3.062660217	22.75929832	0.112397388	0.001764595	155.7218781	0.01172412	0.008113446	0.000996017	0.001711031	0.000684315	0.359956235	2.19254E-06	0.000567344	0.001165361	0.002576375	0.001888186
2081 Nov	0.096271694	9.31825E-06	3.066922426	22.83090401	0.11261265	0.001770968	156.3722534	0.011771446	0.008107582	0.000998449	0.001717029	0.000686742	0.361007243	2.19086E-06	0.000569214	0.001166736	0.002578255	0.001894977
2081 Dec	0.0962575	9.31855E-06	3.06779027	22.84260941	0.112651564	0.00177202	156.4787903	0.011779116	0.008107848	0.00099888	0.001718003	0.000687137	0.361186683	2.19087E-06	0.000569524	0.001167021	0.002578746	0.001896044
2082 Jan	0.096258618	9.31865E-06	3.068064213	22.8456955	0.112665042	0.001772261	156.5048065	0.011780981	0.008107867	0.000999011	0.001718254	0.000687238	0.361234218	2.1909E-06	0.000569601	0.001167136	0.002578918	0.001896316
2082 Feb	0.096263535	9.31884E-06	3.068157673	22.84634209	0.112669758	0.001772307	156.5093536	0.011781329	0.00810808	0.000999045	0.001718301	0.000687257	0.361246169	2.19094E-06	0.000569616	0.001167182	0.002578977	0.001896365
2082 Mar	0.096271709	9.31947E-06	3.068366289	22.8477993	0.112677939	0.001772418	156.5190887	0.011782072	0.008108659	0.000999113	0.001718409	0.0006873	0.361270308	2.19109E-06	0.000569652	0.001167266	0.002579145	0.001896482
2082 Apr	0.096305713	9.32267E-06	3.069418907	22.85557938	0.112716891	0.00177302	156.5722351	0.011786079	0.008111459	0.000999455	0.001718992	0.000687534	0.361393958	2.19184E-06	0.000569845	0.001167669	0.002580025	0.001897126
2082 May	0.096467093	9.33819E-06	3.074543476	22.89383698	0.112906136	0.001775984	156.8339386	0.011805814	0.00812493 1	0.001001132	0.001721869	0.000688684	0.361998945	2.19547E-06	0.000570798	0.001169627	0.002584324	0.001900304
2082 Jun	0.094952218	9.3005E-06	3.033159733	22.65437126	0.111268528	0.001755855	155.3354645	0.011691723	0.008063334	0.000986797	0.001707455	0.000681498	0.357488722	2.1802E-06	0.000564343	0.001157751	0.002577464	0.001881578
2082 Jul	0.094106369	9.29097E-06	3.001441717	22.42060089	0.109791994	0.001736313	153.4114838	0.011542883	0.008038756	0.000972283	0.001688984	0.000673366	0.352938324	2.17531E-06	0.000557659	0.001145943	0.002567719	0.001861724
2082 Aug	0.094434932	9.3387E-06	3.017547131	22.56402397	0.110403933	0.001747798	154.4377289	0.011621787	0.008071583	0.000977841	0.001699993	0.000677809	0.355119646	2.18494E-06	0.000561213	0.001151569	0.002580667	0.001874388
2082 Sep	0.094477668	9.35824E-06	3.024618864	22.63985062	0.110676669	0.001754433	155.002594	0.011666062	0.008083037	0.000980342	0.001705845	0.000680209	0.356248498	2.18787E-06	0.000563118	0.001153758	0.002585636	0.001881421
2082 Oct	0.094001748	9.33727E-06	3.017596245	22.62718201	0.110410713	0.001755825	155.0252991	0.011671191	0.008065123	0.000978198	0.001705076	0.000680051	0.355995864	2.1795E-06	0.000562954	0.001150014	0.00257745	0.001881555
2082 Nov	0.093979523	9.34042E-06	3.023821831	22.70090485	0.110701256	0.001761682	155.645462	0.011715737	0.008065371	0.000981187	0.001711107	0.000682458	0.35709703	2.18037E-06	0.000564812	0.001152457	0.002581601	0.001888192
2082 Dec	0.09397123	9.34126E-06	3.026309729	22.7301178	0.110819466	0.001763939	155.8904266	0.011733222	0.008064939	0.000982401	0.001713503	0.000683411	0.357531369	2.1807E-06	0.000565544	0.001153466	0.002583287	0.001890813
2083 Jan	0.093972825	9.34144E-06	3.026551247	22.73274422	0.110830903	0.001764142	155.9121094	0.011734782	0.008065034	0.000982513	0.001713716	0.000683495	0.357571542	2.18075E-06	0.000565609	0.001153566	0.00258345	0.001891044
2083 Feb	0.093978599	9.34184E-06	3.026682615	22.73363113	0.110836245	0.001764209	155.9179382	0.011735231	0.008065412	0.000982555	0.00171378	0.000683521	0.357586622	2.18084E-06	0.000565631	0.001153621	0.002583554	0.001891114
2083 Mar	0.093988389	9.34272E-06	3.026967525	22.73571396	0.110846967	0.00176437	155.9320831	0.011736301	0.008066189	0.000982647	0.001713936	0.000683584	0.357620001	2.18104E-06	0.000565682	0.001153732	0.002583792	0.001891285
2083 Apr	0.094034284	9.34723E-06	3.028428793	22.74665642	0.11090064	0.001765218	156.0070496	0.011741946	0.008070092	0.000983121	0.00171476	0.000683912	0.357792497	2.18209E-06	0.000565954	0.001154291	0.002585037	0.001892194
2083 May	0.094950415	9.36109E-06	3.048099995	22.93164253	0.112155914	0.001777722	157.4993134	0.01184999	0.008089051	0.000995614	0.001729169	0.000689895	0.36100629	2.18489E-06	0.00056999	0.00116613	0.002597531	0.001906606
2083 Jun	0.09580411	9.28687E-06	3.01755476	22.66842842	0.111671776	0.001750744	155.1087646	0.011655067	0.008045089	0.000990265	0.001703781	0.000680015	0.356552124	2.16714E-06	0.000560525	0.001162764	0.002573844	0.001878572
2083 Jul	0.095775798	9.31706E-06	3.022594929	22.7374649	0.111791708	0.001755493	155.4895935	0.011680668	0.008058974	0.000990964	0.001708402	0.000681681	0.357136428	2.17323E-06	0.000561814	0.001164137	0.002581253	0.001884853
2083 Aug	0.095866725	9.35273E-06	3.032595158	22.85335922	0.112186775	0.001764971	156.3964386	0.011752177	0.008075619	0.00099501	0.001717695	0.000685474	0.358856738	2.17847E-06	0.000564696	0.001166748	0.00258915	0.001895795
2083 Sep	0.095624208	9.35981E-06	3.042897224	23.00456429	0.11266429	0.001778289	157.6683502	0.011847623	0.008073023	0.000999952	0.001729955	0.000690462	0.361053556	2.17779E-06	0.000568529	0.001170025	0.00259481	0.001910224
2083 Oct	0.094954833	9.33455E-06	3.037120819	23.02376747	0.112376392	0.001782194	157.9255371	0.011859339	0.008053198	0.000997548	0.001730686	0.000690893	0.360910237	2.17112E-06	0.00056883	0.001165777	0.002587341	0.001912649
2083 Nov	0.094673671	9.32409E-06	3.036977768	23.05608177	0.112351321	0.00178527	158.2084503	0.011874122	0.008043724	0.000997436	0.001732707	0.000691727	0.361125588	2.16941E-06	0.000569451	0.001164908	0.002586055	0.001915595
2083 Dec	0.094664678	9.32459E-06	3.038793564	23.07789612	0.11243809	0.001786957	158.3916473	0.011887133	0.008043295	0.000998329	0.001734491	0.000692436	0.361446589	2.16964E-06	0.000569993	0.001165643	0.00258729	0.001917554
2084 Jan	0.094666794	9.32467E-06	3.038831472	23.07816887	0.112440057	0.00178698	158.3938599	0.011887302	0.008043403	0.000998343	0.001734511	0.000692445	0.361452013	2.16966E-06	0.00057	0.001165661	0.00258731	0.001917574
2084 Feb	0.094670624	9.32483E-06	3.038883209	23.07842255	0.11244262	0.001786997	158.3952484	0.011887419	0.008043581	0.000998359	0.001734527	0.000692451	0.361457467	2.16969E-06	0.000570005	0.001165688	0.002587343	0.00191759
2084 Mar	0.094680928	9.32572E-06	3.039175749	23.08056831	0.112453796	0.001787161	158.4097748	0.011888517	0.008044378	0.000998455	0.001734686	0.000692515	0.361491859	2.1699E-06	0.000570058	0.001165804	0.002587587	0.001917765
2084 Apr	0.094750814	9.33254E-06	3.041403532	23.09747314	0.112536505	0.001788469	158.5257874	0.011897226	0.008050271	0.000999187	0.001735956	0.000693022	0.36175704	2.17148E-06	0.000570475	0.00116666	0.002589479	0.001919169
2084 May	0.096066251	9.34307E-06	3.04197073	23.03943634	0.112970531	0.001781571	157.941391	0.011856589	0.008081255	0.001003051	0.001729994	0.000690994	0.361479998	2.17226E-06	0.000568212	0.00117189	0.002588647	0.001910906
2084 Jun	0.09658967	9.26487E-06	2.991690636	22.5473175	0.111319304	0.001737721	153.5627441	0.011519424	0.008035974	0.000985561	0.001685632	0.000673485	0.353357434	2.15348E-06	0.000553328	0.001158031	0.002551232	0.001863215
2084 Jul	0.09678553	9.30672E-06	3.002807379	22.65677834	0.11170876	0.001745806	154.2709503	0.011571615	0.008062775	0.000988852	0.001693699	0.000676576	0.354760021	2.16223E-06	0.000555784	0.001162104	0.00256276	0.001872872
2084 Aug	0.097019702	9.34893E-06	3.019290686	22.81967545	0.112376355	0.001758735	155.4734192	0.011663388	0.008087954	0.000995071	0.001706382	0.000681682	0.357187778	2.17036E-06	0.000559775	0.001167998	0.002575672	0.001887547
2084 Sep	0.096785575	9.35697E-06	3.029632807	22.96632576	0.112863004	0.001771211	156.6975861	0.011755456	0.008081465	0.001000041	0.001718346	0.000686544	0.35931769	2.17025E-06	0.00056344	0.001171348	0.002581882	0.001901567
2084 Oct	0.096439973	9.35026E-06	3.033819437	23.06163597	0.113083862	0.001780602	157.601944	0.011822882	0.008073618	0.001002738	0.001726406	0.000689861	0.360716552	2.16672E-06	0.000565961	0.001172252	0.002582789	0.001911048
2084 Nov	0.096331194	9.34854E-06	3.035233498	23.09257507	0.113152176	0.001783717	157.9002838	0.011844733	0.008072176	0.001003594	0.001729001	0.000690935	0.361171544	2.16578E-06	0.000566781	0.001172514	0.002583134	0.001914072
2084 Dec	0.096327364	9.34922E-06	3.036743164	23.11041832	0.11322432	0.001785099	158.049881	0.011855432	0.008072083	0.001004333	0.001730463	0.000691516	0.361436635	2.16601E-06	0.000567224	0.001173133	0.002584185	0.001915675
2085 Jan	0.096322924	9.34934E-06	3.037652254	23.12154579	0.11326953	0.001785955	158.1441345	0.011862159	0.008071745	0.001004797	0.001731379	0.00069188	0.3616018	2.16609E-06	0.000567498	0.001173515	0.002584799	0.001916679
2085 Feb	0.096325733	9.34951E-06	3.037819624	23.12325287	0.113277771	0.001786084	158.1578369	0.011863154	0.008071869	0.001004872	0.001731515	0.000691934	0.361628473	2.16614E-06	0.00056754	0.001173589	0.002584914	0.001916827
2085 Mar	0.096330218	9.34985E-06	3.037930965	23.12404633	0.113282248	0.001786144	158.1631622	0.011863558	0.008072177	0.001004909	0.001731573	0.000691958	0.361641586	2.16621E-06	0.000567559	0.001173635	0.002585004	0.00191689
2085 Apr	0.096368156	9.35348E-06	3.03910923	23.13297844	0.113326363	0.001786834	158.2241516	0.011868137	0.008075319	0.001005299	0.001732241	0.000692225	0.361781657	2.16705E-06	0.000567778	0.001174093	0.002586004	0.001917629
2085 May	0.097374924	9.36367E-06	3.042500734	23.12334824	0.113808893	0.001784264	158.0673523	0.011859363	0.00809871	0.001009787	0.00173066	0.000691855	0.362117201	2.16788E-06	0.000566942	0.001179412	0.002587504	0.001914582
2085 Jun	0.098215625	9.34857E-06	3.024370432	22.91096497	0.113376252	0.001764575	156.1048279	0.011712871	0.008102101	0.001004722	0.001711238	0.000684291	0.358922988	2.1626E-06	0.000560333	0.001176755	0.002574463	0.001892944
2085 Jul	0.098639898	9.40412E-06	3.04402256	23.09284019	0.114166543	0.00177858	157.4252472	0.011813334	0.008141419	0.001012054	0.001725451	0.000689927	0.361659288	2.17405E-06	0.000564772	0.001184375	0.002591372	0.001909
2085 Aug	0.098499335	9.42848E-06	3.058467627	23.28014183	0.114822164	0.001793768	158.9144135	0.011927	0.008141188	0.001018557	0.001740549	0.000696032	0.364354521	2.17688E-06	0.000569346	0.001189128	0.002601499	0.001926834
2085 Sep	0.097924329	9.42315E-06	3.067173481	23.45084572	0.115260564	0.001809232	160.4343567	0.012039353	0.008121117	0.001023428	0.001754611	0.000701793	0.366738707	2.17304E-06	0.000573603	0.00119119	0.002605247	0.001943636
2085 Oct	0.097279735	9.40251E-06	3.070858955	23.57270813	0.115418218	0.001819844	161.4794464	0.012104814	0.008097914	0.00102536	0.001763495	0.000705366	0.367995203	2.16938E-06	0.000576265	0.001191175	0.002605638	0.00195501
2085 Nov	0.096942604	9.38995E-06	3.071072817	23.61578369	0.11541333	0.001823718	161.8560333	0.012125581	0.008085644	0.001025494	0.001766379	0.000706529	0.368323952	2.1674E-06	0.000577121	0.001190424	0.002604676	0.001958969
2085 Dec	0.096937291	9.3903E-06	3.072185755	23.62935066	0.115467422	0.001824773	161.9709167	0.012133784	0.008085441	0.001026053	0.001767495	0.000706973	0.368524939	2.16754E-06	0.000577457	0.001190884	0.002605449	0.001960193
2086 Jan	0.096938536	9.39037E-06	3.072315454	23.63080978	0.11547406	0.001824887	161.9831848	0.012134666	0.008085489	0.001026115	0.001767612	0.00070702	0.368547618	2.16756E-06	0.000577492	0.001190941	0.002605532	0.001960321
2086 Feb	0.096941523	9.39044E-06	3.072341442	23.63087845	0.115475729	0.00182489	161.9833374	0.012134687	0.008085592	0.001026123	0.001767614	0.000707021	0.368550092	2.16757E-06	0.000577493	0.001190958	0.002605543	0.001960321
2086 Mar	0.096947156	9.39087E-06	3.072496653	23.63205719	0.115482092	0.001824979	161.9915009	0.0121353	0.008085982	0.001026176	0.001767702	0.000707056	0.368569165	2.16767E-06	0.000577521	0.001191022	0.002605666	0.001960417
2086 Apr	0.096999124	9.39584E-06	3.074132681	23.64464188	0.115543909	0.00182595	162.0778503	0.012141769	0.008090271	0.001026724	0.001768643	0.000707433	0.368765831	2.16882E-06	0.000577828	0.001191659	0.002607048	0.00196146
2086 May	0.09746445	9.41336E-06	3.080578566	23.68524933	0.115912095	0.001828591	162.3587341	0.012164315	0.00810984	0.001030171	0.001771654	0.000708718	0.369592696	2.17228E-06	0.000578689	0.001195505	0.002612012	0.001964253
2086 Jun	0.097856522	9.34375E-06	3.024077892	23.13057327	0.113915503	0.001779997	157.6483765	0.011802934	0.008073255	0.001009912	0.001724138	0.000689568	0.360610962	2.15505E-06	0.00056259	0.001179888	0.002577226	0.001910957
2086 Jul	0.097784512	9.38116E-06	3.028977394	23.20391655	0.11399053	0.00178475	158.0292511	0.011825958	0.008091671	0.001010056	0.001728998	0.000691179	0.361085415	2.16315E-06	0.000563833	0.001181422	0.002587255	0.001917426
2086 Aug	0.097887136	9.42209E-06	3.050005436	23.44114876	0.11491479	0.001803519	159.8868103	0.011965668	0.008109008	0.001019095	0.001747949	0.000698794	0.364578962	2.17058E-06	0.000569614	0.001189092	0.002603214	0.001939222
2086 Sep	0.097455785	9.42649E-06	3.058963537	23.59454155	0.115351714	0.001817486	161.2510986	0.012069213	0.008095582	0.00102382	0.00176076	0.000704086	0.366828293	2.1687E-06	0.00057348	0.001191309	0.002607877	0.001954387
2086 Oct	0.097291254	9.43079E-06	3.071349859	23.76237488	0.11595799	0.001831372	162.690567	0.012174257	0.008093169	0.001030162	0.001774594	0.000709637	0.369305044	2.16913E-06	0.000577665	0.001196127	0.00261595	0.001969996
2086 Nov	0.097302638	9.43406E-06	3.074763536	23.80091858	0.116116911	0.001834363	163.0062256	0.012197009	0.008094674	0.001031758	0.001777717	0.00071088	0.369878888	2.16999E-06	0.000578611	0.001197531	0.002618457	0.001973444
2086 Dec	0.097296171	9.43461E-06	3.076382399	23.82065582	0.116196431	0.001835885	163.1725006	0.012208898	0.008094362	0.001032576	0.001779338	0.000711524	0.370170504	2.17021E-06	0.000579095	0.001198211	0.002619599	0.001975227
2087 Jan	0.097296759	9.43471E-06	3.076571226	23.82284927	0.116205812	0.001836055	163.1908875	0.012210219	0.008094388	0.001032669	0.001779517	0.000711596	0.370203733	2.17024E-06	0.000579149	0.001198292	0.002619729	0.001975422
2087 Feb	0.09730126	9.43503E-06	3.076681852	23.82365799	0.116210453	0.001836115	163.1963654	0.012210634	0.00809468	0.001032707	0.001779576	0.00071162	0.370217085	2.17031E-06	0.000579168	0.001198339	0.002619816	0.001975487
2087 Mar	0.097313195	9.43611E-06	3.077037573	23.82637024	0.116224103	0.001836324	163.2148438	0.012212021	0.008095629	0.001032826	0.001779778	0.0007117	0.370259702	2.17056E-06	0.000579234	0.00119848	0.002620116	0.00197571
2087 Apr	0.097339876	9.43866E-06	3.077868462	23.83277702	0.116255596	0.001836817	163.258667	0.012215302	0.008097822	0.001033104	0.001780256	0.000711892	0.37035951	2.17115E-06	0.00057939	0.001198805	0.002620821	0.001976241
2087 May	0.097941577	9.4438E-06	3.074075222	23.75583839	0.116242625	0.001829888	162.5618439	0.012167635	0.008113177	0.001032676	0.001773524	0.00070936	0.369506121	2.17099E-06	0.000577187	0.001199396	0.002617691	0.00196812
2087 Jun	0.099029385	9.41294E-06	3.037855148	23.33102226	0.11510738	0.001793008	158.8663788	0.011897905	0.008114459	0.001020596	0.001737035	0.000695015	0.363329411	2.16043E-06	0.000565201	0.001191124	0.002592131	0.001926802
2087 Jul	0.099273182	9.45868E-06	3.053654194	23.49606514	0.115769401	0.001805696	160.1040192	0.011992636	0.008142102	0.001026913	0.001750261	0.000700217	0.365751714	2.16904E-06	0.000569182	0.001197335	0.002606663	0.001941825

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.099637963	9.50812E-06	3.073319674	23.68511391	0.116581619	0.001820409	161.5077972	0.012098092	0.008176026	0.001034537	0.001764971	0.000706109	0.368588388	2.17942E-06	0.000573759	0.001204834	0.002622615	0.001958539
2087 Sep	0.099675387	9.53353E-06	3.092187405	23.90434265	0.117441766	0.001837985	163.2692108	0.012227973	0.008188445	0.001043031	0.001782568	0.000713156	0.37182495	2.1845E-06	0.000579119	0.001212254	0.002636447	0.001978531
2087 Oct	0.099458814	9.53408E-06	3.103176594	24.06373024	0.117999412	0.001851216	164.6486359	0.012328738	0.008182273	0.001048923	0.001795768	0.000718451	0.374153227	2.18398E-06	0.000583068	0.001216565	0.002643474	0.001993531
2087 Nov	0.099389382	9.53364E-06	3.104789734	24.09239006	0.118081219	0.001853877	164.9132996	0.012348325	0.008181374	0.001049852	0.001798184	0.000719435	0.374578744	2.18354E-06	0.000583803	0.001217081	0.002644307	0.001996315
2087 Dec	0.099375382	9.5342E-06	3.107254744	24.12321281	0.118204564	0.001856252	165.1742859	0.012366968	0.008180583	0.001051127	0.001800721	0.000720444	0.375032395	2.18381E-06	0.000584555	0.00121813	0.002646052	0.00199911
2088 Jan	0.099374667	9.5344E-06	3.107773781	24.12950134	0.118230566	0.001856736	165.2272339	0.012370761	0.008180526	0.00105139	0.001801236	0.000720649	0.375126004	2.18388E-06	0.000584708	0.001218353	0.002646416	0.001999676
2088 Feb	0.099377334	9.5345E-06	3.107831717	24.12996101	0.118233599	0.001856769	165.2306213	0.012371016	0.008180637	0.001051413	0.001801271	0.000720662	0.375134051	2.1839E-06	0.000584718	0.001218382	0.002646454	0.001999713
2088 Mar	0.099390253	9.53565E-06	3.108205795	24.13279915	0.11824809	0.001856986	165.2499084	0.012372466	0.008181639	0.001051539	0.001801481	0.000720747	0.375178874	2.18416E-06	0.000584787	0.001218532	0.002646767	0.001999946
2088 Apr	0.099492528	9.54534E-06	3.111365557	24.15725899	0.118368693	0.001858867	165.4170837	0.012384996	0.008189975	0.001052607	0.001803305	0.000721477	0.375559866	2.18638E-06	0.000585379	0.001219774	0.002649452	0.00200197
2088 May	0.099763788	9.56687E-06	3.118618011	24.21220207	0.118665077	0.00186302	165.7888794	0.012413232	0.008208998	0.001055125	0.001807369	0.00072311	0.376442492	2.19119E-06	0.000586688	0.0012228	0.002655372	0.002006457
2088 Jun	0.099500723	9.56412E-06	3.075554848	23.78617096	0.116821595	0.001829527	162.5653534	0.01219222	0.008206535	0.001037591	0.001777006	0.000710202	0.370223433	2.18286E-06	0.000576352	0.00120949	0.002640479	0.001969826
2088 Jul	0.099786475	9.61738E-06	3.084044218	23.86109352	0.117110886	0.001835093	163.0644379	0.012234221	0.008244142	0.001040052	0.001783477	0.000712494	0.371301204	2.19256E-06	0.000578132	0.001213638	0.002654076	0.001976637
2088 Aug	0.100366816	9.68632E-06	3.111256599	24.11072731	0.118224367	0.001854465	164.8954468	0.012370904	0.008295407	0.001050362	0.001802751	0.000720205	0.375075698	2.20774E-06	0.00058416	0.001224304	0.002676417	0.001998353
2088 Sep	0.100394689	9.70921E-06	3.128947735	24.31804657	0.119046256	0.001870818	166.5498505	0.012492863	0.008304101	0.001058442	0.001819366	0.000726852	0.378112972	2.21236E-06	0.000589168	0.001231382	0.002689513	0.002017295
2088 Oct	0.099897012	9.68987E-06	3.125190973	24.34345627	0.11893443	0.001875096	166.9143066	0.012522355	0.008286831	0.001057908	0.001821915	0.000727994	0.378436565	2.20539E-06	0.000589922	0.001229081	0.002684351	0.00202103
2088 Nov	0.099818066	9.6884E-06	3.124410152	24.34570503	0.118897356	0.00187594	166.9686432	0.01252705	0.00828681	0.001057657	0.001822177	0.000728139	0.378478646	2.20445E-06	0.000590025	0.001228501	0.002683334	0.002021477
2088 Dec	0.099811777	9.68905E-06	3.126103401	24.36666107	0.118981749	0.001877556	167.1452179	0.012539679	0.008286548	0.001058524	0.001823896	0.000728822	0.37878722	2.20469E-06	0.000590534	0.001229225	0.002684553	0.002023374
2089 Jan	0.099813573	9.68917E-06	3.126211643	24.36780357	0.118987136	0.001877645	167.1546326	0.012540362	0.008286651	0.001058574	0.001823987	0.000728859	0.37880525	2.20472E-06	0.000590561	0.001229272	0.002684627	0.002023473
2089 Feb	0.099817522	9.68937E-06	3.126278639	24.36820984	0.118990205	0.001877674	167.1571198	0.01254056	0.008286863	0.001058596	0.001824015	0.00072887	0.37881276	2.20477E-06	0.00059057	0.001229304	0.002684676	0.002023502
2089 Mar	0.099833086	9.69079E-06	3.126737356	24.3717289	0.119007967	0.001877944	167.1811371	0.012542369	0.008288092	0.001058751	0.001824277	0.000728975	0.378868103	2.20509E-06	0.000590655	0.001229487	0.002685065	0.002023792
2089 Apr	0.099897854	9.69701E-06	3.128745794	24.38734245	0.119084619	0.001879147	167.288147	0.012550401	0.008293426	0.001059431	0.001825445	0.000729442	0.37911129	2.2065E-06	0.000591033	0.001230279	0.002686786	0.002025087
2089 May	0.100809604	9.70899E-06	3.125189781	24.29085732	0.119150646	0.001870484	166.4151764	0.012493897	0.008318893	0.001059665	0.001817212	0.000726388	0.37820065	2.20683E-06	0.000588348	0.001231928	0.002683671	0.002014867
2089 Jun	0.102308787	9.70368E-06	3.101960897	23.96466827	0.118643589	0.001842135	163.5996857	0.012300979	0.008342625	0.001053957	0.00179007	0.000715893	0.374133766	2.19991E-06	0.000579401	0.001229502	0.002666828	0.001982865
2089 Jul	0.102592371	9.75527E-06	3.12462759	24.20928955	0.119645476	0.001860947	165.4924469	0.012442901	0.008372998	0.001063693	0.001809692	0.000723667	0.377745062	2.2102E-06	0.00058527	0.001238655	0.002686287	0.002005019
2089 Aug	0.102858745	9.80325E-06	3.147635937	24.45752335	0.120661803	0.001880228	167.4312134	0.012587093	0.00840102	0.001073632	0.001829437	0.00073157	0.381425679	2.22008E-06	0.000591233	0.001247572	0.00270473	0.002027401
2089 Sep	0.102671519	9.81745E-06	3.167201281	24.71891975	0.121625863	0.001901344	169.5968475	0.012746276	0.008399681	0.001083409	0.001850678	0.000740081	0.385210872	2.22228E-06	0.000597543	0.001255424	0.002718483	0.002051794
2089 Oct	0.10195668	9.79161E-06	3.167024612	24.81525421	0.121706121	0.001911585	170.6011353	0.012819584	0.008374422	0.00108505	0.001858974	0.000743526	0.386467069	2.21427E-06	0.000599952	0.001254359	0.002715446	0.002062205
2089 Nov	0.101894103	9.79177E-06	3.168671131	24.8434391	0.121780798	0.00191412	170.8505707	0.012837006	0.008374395	0.001085873	0.001861206	0.000744434	0.386850655	2.21428E-06	0.000600626	0.001254842	0.002716428	0.002064826
2089 Dec	0.101890154	9.79249E-06	3.170169353	24.86192322	0.12185543	0.001915544	171.0057831	0.012848116	0.008374311	0.001086637	0.001862718	0.000745036	0.387122512	2.21452E-06	0.000601071	0.001255486	0.002717526	0.002066498
2090 Jan	0.101892568	9.7928E-06	3.170474052	24.86534309	0.121870242	0.001915808	171.033844	0.012850139	0.008374486	0.001086782	0.001862994	0.000745146	0.38717407	2.2146E-06	0.000601154	0.001255618	0.00271775	0.002066802
2090 Feb	0.101897784	9.79314E-06	3.170596838	24.86625099	0.121875584	0.001915876	171.0400543	0.012850611	0.00837481	0.001086825	0.001863061	0.000745173	0.387189239	2.21468E-06	0.000601175	0.001255672	0.002717846	0.002066875
2090 Mar	0.10191001	9.79424E-06	3.170960903	24.86909485	0.121889964	0.001916094	171.0596619	0.012852087	0.008375758	0.001086951	0.001863273	0.000745258	0.387234002	2.21493E-06	0.000601243	0.001255819	0.002718152	0.00206711
2090 Apr	0.101950169	9.79805E-06	3.172194004	24.87873268	0.121937521	0.001916836	171.1258698	0.012857065	0.008379025	0.001087373	0.001863995	0.000745547	0.387384415	2.21579E-06	0.000601476	0.001256309	0.002719207	0.00206791
2090 May	0.102144122	9.81053E-06	3.182649612	24.99072266	0.122475907	0.001925144	172.0214539	0.012921694	0.008387935	0.001092687	0.001872874	0.000749113	0.389095575	2.21892E-06	0.000604063	0.001261284	0.00272714	0.002077591
2090 Jun	0.102030121	9.72472E-06	3.167885542	24.99271202	0.12263532	0.001918777	172.0246429	0.012889931	0.008313787	0.00109492	0.001870514	0.000747931	0.388041288	2.20258E-06	0.000601254	0.001263362	0.002719904	0.002074422
2090 Jul	0.102118783	9.76388E-06	3.174657822	25.07003021	0.122833796	0.001924184	172.4933624	0.01292311	0.008337637	0.00109643	0.001876183	0.00074995	0.388851434	2.21057E-06	0.000602808	0.00126603	0.002730403	0.0020812
2090 Aug	0.101651601	9.77435E-06	3.178077936	25.16784096	0.123008534	0.001933562	173.3694458	0.012994129	0.0083212	0.001098465	0.001884429	0.000753467	0.390208751	2.20893E-06	0.000605141	0.001265452	0.002731968	0.002091886
2090 Sep	0.100677364	9.74432E-06	3.174263477	25.24225426	0.122796528	0.001940995	173.9962158	0.013026741	0.008284329	0.00109664	0.001888755	0.000755291	0.390449911	2.20267E-06	0.000606335	0.001261325	0.002726448	0.002099373
2090 Oct	0.099524803	9.69055E-06	3.150895119	25.10612106	0.12156675	0.001932907	172.9167633	0.012926428	0.008247643	0.00108478	0.001875113	0.000749953	0.387317598	2.19248E-06	0.000602307	0.001248136	0.002705723	0.002087112
2090 Nov	0.099139698	9.67213E-06	3.144401789	25.076334	0.121229902	0.001931137	172.672699	0.012901142	0.008233083	0.001081533	0.001871814	0.000748653	0.386483133	2.18914E-06	0.000601311	0.001244413	0.002699824	0.002084424
2090 Dec	0.099130027	9.67277E-06	3.146397352	25.10175323	0.121331781	0.001933099	172.8882446	0.012916566	0.008232648	0.001082584	0.001873904	0.000749484	0.386856437	2.18939E-06	0.000601921	0.001245285	0.002701284	0.002086736
2091 Jan	0.099127263	9.67294E-06	3.147138119	25.1112175	0.121370547	0.001933825	172.9685822	0.012922316	0.008232431	0.001082979	0.001874681	0.000749794	0.38699609	2.18947E-06	0.000602147	0.001245616	0.002701817	0.002087595
2091 Feb	0.099128939	9.67303E-06	3.14734149	25.11362839	0.121381588	0.001934007	172.9886932	0.012923767	0.008232446	0.001083084	0.001874877	0.000749872	0.387032777	2.1895E-06	0.000602204	0.001245713	0.002701959	0.00208781
2091 Mar	0.099148735	9.67485E-06	3.147951365	25.11849785	0.121405683	0.00193438	173.0223999	0.012926286	0.008234013	0.001083296	0.00187524	0.000750017	0.387108475	2.18991E-06	0.00060232	0.001245958	0.002702474	0.002088214
2091 Apr	0.099223323	9.68206E-06	3.150297642	25.13717079	0.121496357	0.001935817	173.1509094	0.012935892	0.008240163	0.001084103	0.001876633	0.000750574	0.387396723	2.19154E-06	0.000602768	0.001246889	0.002704485	0.002089764
2091 May	0.099826708	9.69812E-06	3.152998447	25.12674904	0.121720761	0.001934194	172.986557	0.012925827	0.008262723	0.001086006	0.001875231	0.000750138	0.38749814	2.19457E-06	0.000602256	0.001249648	0.002706627	0.002087558
2091 Jun	0.101082839	9.65273E-06	3.113195419	24.65173912	0.12048272	0.00189217	168.8533783	0.012616504	0.008259564	0.001072942	0.001833899	0.000733878	0.380509615	2.18266E-06	0.000588752	0.001240731	0.002677663	0.002040165
2091 Jul	0.101585217	9.71663E-06	3.134701252	24.85198593	0.121354565	0.001907379	170.2999115	0.012724029	0.008307537	0.001080952	0.001849415	0.000739965	0.383452892	2.19656E-06	0.000593462	0.001249632	0.002697868	0.002057497
2091 Aug	0.101395056	9.74106E-06	3.14917326	25.05199051	0.122049384	0.001923773	171.9318848	0.012848341	0.008306164	0.001087906	0.001865667	0.000746567	0.386333615	2.19953E-06	0.000598203	0.001254617	0.002708654	0.002076759
2091 Sep	0.100976631	9.74747E-06	3.162222147	25.25895691	0.12272647	0.001941437	173.7509308	0.01298381	0.008291861	0.001095063	0.001882909	0.000753605	0.389348388	2.19913E-06	0.000603183	0.001259077	0.002717352	0.002096839
2091 Oct	0.100342922	9.72561E-06	3.164871693	25.37658501	0.122908138	0.001951964	174.8190002	0.013056071	0.008267403	0.001097397	0.001892143	0.000757333	0.390699148	2.1941E-06	0.000605808	0.001259311	0.002717461	0.002108433
2091 Nov	0.099854738	9.70398E-06	3.158297777	25.35948563	0.122568235	0.001951692	174.7225952	0.013040697	0.008251202	0.001094286	0.001889928	0.000756486	0.390026271	2.18999E-06	0.000605134	0.001255323	0.002711215	0.002107031
2091 Dec	0.099835373	9.70404E-06	3.159478664	25.37641716	0.122627199	0.001953052	174.8685913	0.013050857	0.00825082	0.001094908	0.001891291	0.000757031	0.39026323	2.19011E-06	0.000605532	0.001255796	0.002712053	0.002108568
2092 Jan	0.099825479	9.70413E-06	3.160853863	25.3946476	0.122699782	0.001954442	175.0232086	0.013061825	0.008250149	0.001095653	0.001892782	0.000757624	0.390526652	2.19023E-06	0.000605962	0.001256412	0.002713054	0.002110225
2092 Feb	0.099827975	9.70439E-06	3.161239147	25.39922523	0.122719765	0.001954787	175.0608063	0.013064513	0.008250241	0.001095846	0.001893149	0.00075777	0.390594423	2.19031E-06	0.000606068	0.001256588	0.002713337	0.002110632
2092 Mar	0.099851526	9.70654E-06	3.161947727	25.40485382	0.122747749	0.001955219	175.0995178	0.013067408	0.008252096	0.001096092	0.001893567	0.000757937	0.390681893	2.1908E-06	0.000606202	0.001256874	0.002713937	0.002111097
2092 Apr	0.099914014	9.71254E-06	3.163901091	25.42049408	0.122823812	0.001956421	175.2071991	0.013075449	0.00825721	0.001096768	0.001894732	0.000758404	0.390922964	2.19215E-06	0.000606575	0.001257653	0.00271561	0.002112395
2092 May	0.100502297	9.72382E-06	3.172910929	25.49991226	0.123440117	0.00196128	175.8081512	0.013118231	0.008272991	0.001102756	0.00190054	0.000760849	0.392307222	2.19484E-06	0.000608039	0.001263763	0.002722149	0.002118106
2092 Jun	0.100721553	9.59591E-06	3.111406326	24.93154526	0.121415906	0.00190869	170.8444824	0.012720582	0.008188787	0.001082267	0.00184949	0.000740354	0.382547677	2.16826E-06	0.000590754	0.001247087	0.002678203	0.002061371
2092 Jul	0.100268781	9.60526E-06	3.108808279	24.96723175	0.121237725	0.001910348	171.002243	0.012726366	0.0081789	0.001080312	0.001851821	0.000740881	0.38231954	2.16966E-06	0.000591025	0.001245909	0.002682466	0.002065115
2092 Aug	0.100576945	9.65841E-06	3.136918068	25.27212715	0.122512586	0.001934	173.3677826	0.01290122	0.008209916	0.00109258	0.001875912	0.00075052	0.386813819	2.18106E-06	0.000598227	0.001257407	0.002705036	0.002092502
2092 Sep	0.100276157	9.67309E-06	3.167029858	25.68071175	0.124074623	0.001966191	176.8104553	0.01315223	0.008198848	0.001108588	0.001909471	0.000763942	0.392750263	2.18414E-06	0.000607922	0.001270236	0.002727174	0.002130579
2092 Oct	0.099954642	9.67261E-06	3.186141491	25.96118164	0.125109285	0.001988645	179.2349548	0.013328448	0.008185724	0.001119448	0.001932756	0.000773247	0.39682126	2.18389E-06	0.000614624	0.001278581	0.002740687	0.002156976
2092 Nov	0.099860571	9.67329E-06	3.193644047	26.06661606	0.125509501	0.001996996	180.1443634	0.013394147	0.008181941	0.001123635	0.001941492	0.000776734	0.398359329	2.1842E-06	0.000617141	0.001281879	0.002746102	0.002166788
2092 Dec	0.099861354	9.67402E-06	3.194562674	26.07782555	0.125555262	0.001997862	180.2378082	0.013400867	0.00818218	0.0011241	0.001942405	0.000777097	0.398524493	2.1844E-06	0.000617408	0.00128228	0.002746805	0.002167801
2093 Jan	0.099859022	9.67413E-06	3.1951015	26.0848484	0.125583962	0.001998401	180.2976074	0.013405153	0.008182005	0.001124393	0.001942983	0.000777327	0.398627847	2.18446E-06	0.000617574	0.001282526	0.0027472	0.002168442
2093 Feb	0.099861838	9.67439E-06	3.195358992	26.08777618	0.125597104	0.001998623	180.3214569	0.013406877	0.008182154	0.001124519	0.001943218	0.000777421	0.398671955	2.18452E-06	0.000617642	0.001282644	0.002747394	0.002168701
2093 Mar	0.099892281	9.67757E-06	3.196768284	26.10119629	0.12565814	0.001999649	180.4222107	0.013414253	0.008184639	0.001125091	0.001944257	0.000777835	0.398873925	2.18526E-06	0.000617959	0.001283233	0.002748561	0.002169858
2093 Apr	0.099958256	9.68396E-06	3.198943853	26.11927223	0.125744745	0.002001032	180.5484924	0.013423624	0.008190021	0.001125869	0.00194561	0.000778376	0.399149835	2.18671E-06	0.000618387	0.001284112	0.002750422	0.002171367
2093 May	0.100561239	9.7002E-06	3.206192017	26.1685791	0.126238659	0.002004007	180.9117584	0.013452895	0.00821038	0.001130601	0.001949349	0.000779997	0.400194466	2.18969E-06	0.000619322	0.001289202	0.0027559	0.002174743
2093 Jun	0.101488501	9.64473E-06	3.159429073	25.63194466	0.124602683	0.001957597	176.2877045	0.013109824	0.008194033	0.001113691	0.001903509	0.00076182	0.392177194	2.17459E-06	0.000604589	0.001276532	0.002722124	0.002122582
2093 Jul	0.101738036	9.69198E-06	3.172127247	25.7624588	0.125088573	0.001967296	177.180069	0.013175913	0.008225203	0.001118021	0.001913351	0.000765619	0.3939116	2.18426E-06	0.00060749	0.001281529	0.002735595	0.002134062
2093 Aug	0.10197629	9.73723E-06	3.193634748	26.00065422	0.126065984	0.001985776	179.0163879	0.013313145	0.00825043	0.001127426	0.00193217	0.000773155	0.397401571	2.19335E-06	0.000613078	0.001290205	0.002753172	0.002155691
2093 Sep	0.101759575	9.74901E-06	3.208880424	26.22079849	0.126853645	0.002003777	180.852356	0.013449933	0.008247531	0.001135425	0.001950174	0.000780385	0.400570393	2.19458E-06	0.000618295	0.001296492	0.002764293	0.002176706
2093 Oct	0.100864649	9.71217E-06	3.199239016	26.22520828	0.126464963	0.002007269	181.1127625	0.013468286	0.008216017	0.001132403	0.001950895	0.000780809	0.400340647	2.18413E-06	0.000618403	0.001291064	0.002754315	0.002179169
2093 Nov	0.100485265	9.69815E-06	3.195316076	26.22632217	0.126250729	0.002008565	181.1867065	0.01346783	0.008206929	0.001130575	0.001950494	0.000780698	0.400080502	2.1814E-06	0.000618289	0.001288361	0.002750404	0.002179451
2093 Dec	0.100484401	9.69892E-06	3.196387053	26.23975182	0.126304865	0.002009609	181.2996368	0.013475945	0.008207149	0.001131128	0.00195159	0.000781135	0.400278002	2.18162E-06	0.000618607	0.001288832	0.002751227	0.00218067
2094 Jan	0.100481942	9.69916E-06	3.197147369	26.24967194	0.12634553	0.002010369	181.3838806	0.013481989	0.008206974	0.001131542	0.001952405	0.000781459	0.400423795	2.18172E-06	0.00061884	0.001289182	0.002751796	0.002181574
2094 Feb	0.100484349	9.69932E-06	3.19738102	26.25242805	0.126358137	0.002010577	181.406662	0.013483636	0.008207049	0.001131662	0.001952627	0.000781548	0.400465578	2.18176E-06	0.000618903	0.001289294	0.002751967	0.00218182
2094 Mar	0.100502402	9.70095E-06	3.197930574	26.25691795	0.126380369	0.002010919	181.4377594	0.013485951	0.008208446	0.001131858	0.001952961	0.000781682	0.400534809	2.18213E-06	0.000619009	0.00128952	0.002752433	0.002182191
2094 Apr	0.100548565	9.70534E-06	3.199376106	26.26873589	0.126437694	0.002011823	181.5193176	0.013492017	0.008212171	0.001132369	0.001953839	0.000782033	0.40071559	2.18312E-06	0.000619287	0.001290104	0.002753674	0.002183172
2094 May	0.101115018	9.70105E-06	3.201711893	26.28462601	0.126811251	0.002011139	181.5762939	0.01349222	0.008217235	0.001135924	0.001954021	0.000782256	0.401045591	2.18254E-06	0.000618945	0.001293968	0.002754586	0.002182761
2094 Jun	0.10210757	9.68825E-06	3.192683935	26.17029381	0.126844645	0.00199794	180.3786926	0.01339559	0.008222939	0.001135594	0.001942004	0.000777603	0.39922753	2.17952E-06	0.00061452	0.001295755	0.002748431	0.002168678

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.102669723	9.75923E-06	3.218886614	26.42823601	0.127974689	0.002017634	182.2875366	0.013538877	0.008273797	0.001146161	0.00196218	0.000785594	0.403058201	2.19441E-06	0.000620559	0.001306796	0.00277198	0.002191434
2094 Aug	0.103195153	9.82979E-06	3.255383015	26.81586075	0.12964043	0.002047392	185.2962036	0.013759425	0.008320767	0.001162222	0.001992719	0.000797789	0.408793926	2.21038E-06	0.000629635	0.001322187	0.002801963	0.002225806
2094 Sep	0.102943003	9.84122E-06	3.272001982	27.06064224	0.130513415	0.002067477	187.3629608	0.013912891	0.008317584	0.001171171	0.002012832	0.000805865	0.412325591	2.21159E-06	0.000635419	0.00132917	0.002814267	0.002249191
2094 Oct	0.102352545	9.82542E-06	3.279330254	27.23737144	0.131008416	0.002083211	189.022171	0.014036462	0.008295421	0.001176882	0.002028087	0.00081203	0.414855182	2.20631E-06	0.000639684	0.001332183	0.002818389	0.002267183
2094 Nov	0.101824433	9.80756E-06	3.281181097	27.33612061	0.131201655	0.00209318	190.0725098	0.014114719	0.008278564	0.001179646	0.002037061	0.000815717	0.416311532	2.20093E-06	0.00064217	0.001332639	0.002818395	0.002277752
2094 Dec	0.101788178	9.80663E-06	3.281870365	27.34992027	0.131244227	0.002094389	190.2029877	0.014124258	0.008277353	0.001180133	0.00203825	0.000816197	0.416513652	2.20066E-06	0.000642504	0.00133293	0.002818835	0.002279112
2095 Jan	0.10178335	9.80692E-06	3.282977581	27.36463928	0.131304175	0.002095515	190.3282318	0.014133238	0.008277022	0.001180745	0.00203946	0.000816678	0.416729003	2.20079E-06	0.000642848	0.001333445	0.002819674	0.002280458
2095 Feb	0.101787046	9.80713E-06	3.28318119	27.36689568	0.131315142	0.002095684	190.3465271	0.01413457	0.008277168	0.001180846	0.00203964	0.00081675	0.416763812	2.20084E-06	0.000642899	0.001333544	0.002819823	0.002280656
2095 Mar	0.101797745	9.80815E-06	3.283671618	27.37171173	0.131337434	0.00209605	190.3831635	0.01413725	0.008277965	0.001181053	0.002040014	0.000816899	0.416836619	2.20108E-06	0.000643011	0.001333757	0.002820223	0.002281072
2095 Apr	0.101856582	9.81374E-06	3.285547733	27.38732147	0.131412804	0.002097244	190.4916992	0.014145315	0.008282697	0.001181728	0.002041177	0.000817365	0.417074859	2.20233E-06	0.000643378	0.001334521	0.00282183	0.002282372
2095 May	0.102667324	9.81691E-06	3.278119802	27.25025749	0.131269827	0.002085235	189.2727966	0.014061004	0.008301291	0.001179889	0.002029437	0.000812885	0.415455222	2.20133E-06	0.00063969	0.001334223	0.002815483	0.002268343
2095 Jun	0.103867494	9.83038E-06	3.267263651	27.05177689	0.131020963	0.002067407	187.429245	0.013931019	0.008334065	0.001176595	0.002011962	0.000806114	0.412930012	2.20188E-06	0.000634152	0.001333801	0.002808022	0.002247668
2095 Jul	0.104511432	9.90347E-06	3.290986538	27.26896286	0.132001117	0.002084036	188.9746552	0.014048077	0.008389671	0.001185562	0.002028542	0.000812727	0.41618219	2.21715E-06	0.000639218	0.001343439	0.002829091	0.002266523
2095 Aug	0.104292266	9.92034E-06	3.297818184	27.3887291	0.132357493	0.002093895	189.9335327	0.014124747	0.008384055	0.001189128	0.002038365	0.000816721	0.417827994	2.21801E-06	0.000641953	0.001345517	0.002834663	0.002278866
2095 Sep	0.104058757	9.93553E-06	3.31208539	27.59537888	0.133092955	0.002110841	191.6777802	0.014254805	0.008379483	0.001196603	0.00205533	0.000823587	0.420813888	2.22009E-06	0.000646771	0.001351114	0.002845618	0.002298658
2095 Oct	0.103882045	9.93977E-06	3.326150417	27.79920578	0.133858874	0.002126939	193.4108276	0.014381001	0.008373441	0.001204516	0.002072122	0.000830285	0.423746467	2.22098E-06	0.000651527	0.001357474	0.002856304	0.002317813
2095 Nov	0.103611521	9.93271E-06	3.328778267	27.87191391	0.134042829	0.002133815	194.1365814	0.014434551	0.008366223	0.0012068	0.002078516	0.000832891	0.424813062	2.21878E-06	0.000653305	0.001358465	0.002857768	0.002325251
2095 Dec	0.103579335	9.93242E-06	3.32963419	27.88746262	0.13409169	0.002135197	194.2828979	0.014445234	0.008365771	0.001207352	0.002079844	0.000833429	0.425043583	2.21866E-06	0.000653681	0.001358816	0.00285837	0.002326762
2096 Jan	0.103573747	9.93266E-06	3.330752611	27.90259171	0.134153187	0.002136353	194.411972	0.014454487	0.008365384	0.001207981	0.002081089	0.000833924	0.425264388	2.21878E-06	0.000654031	0.001359343	0.002859226	0.002328148
2096 Feb	0.103581175	9.93324E-06	3.331124544	27.90651512	0.134171814	0.002136649	194.4429169	0.014456744	0.008365816	0.001208152	0.002081397	0.000834048	0.425324291	2.21892E-06	0.000654121	0.001359516	0.002859516	0.002328491
2096 Mar	0.103594474	9.93435E-06	3.33150053	27.90955925	0.134187475	0.00213688	194.4639435	0.014458316	0.008366785	0.001208288	0.002081623	0.000834138	0.425371826	2.21917E-06	0.000654192	0.001359674	0.00285983	0.002328741
2096 Apr	0.103650801	9.93966E-06	3.33328104	27.92440796	0.134259433	0.002138015	194.5672302	0.014466002	0.008371276	0.001208933	0.002082729	0.000834581	0.42559877	2.22035E-06	0.00065454	0.001360403	0.002861354	0.002329977
2096 May	0.104028687	9.94969E-06	3.349346638	28.11475372	0.13526082	0.002151735	196.1642761	0.014581835	0.008378754	0.001219076	0.002098165	0.000840824	0.428595722	2.22301E-06	0.000658691	0.001369637	0.002873798	0.002346516
2096 Jun	0.103302255	9.84265E-06	3.294388771	27.67268562	0.133238658	0.002111071	192.5119629	0.014283453	0.008290699	0.001199682	0.002060672	0.000825123	0.42053932	2.20037E-06	0.000645525	0.001353311	0.002843231	0.002303715
2096 Jul	0.103223875	9.87667E-06	3.298267841	27.73735237	0.133262232	0.002114885	192.7742157	0.014295584	0.008307032	0.001199259	0.002064325	0.00082625	0.420778781	2.20782E-06	0.000646451	0.001354378	0.002852137	0.00230888
2096 Aug	0.103672005	9.93667E-06	3.323887825	28.00112343	0.134401262	0.002135318	194.7681122	0.014443552	0.008348024	0.001210004	0.002084831	0.000834472	0.424681336	2.22069E-06	0.000652566	0.001364987	0.002873652	0.002332239
2096 Sep	0.10329476	9.93859E-06	3.329927444	28.13221931	0.134761781	0.002147146	195.9210052	0.01453282	0.008338622	0.001213839	0.002095844	0.000838964	0.426532984	2.21872E-06	0.00065565	0.001367133	0.002877676	0.002345828
2096 Oct	0.102575734	9.91355E-06	3.324313879	28.16713715	0.134588048	0.002121533	196.4977722	0.014578567	0.00831941	0.001213061	0.002099747	0.000840692	0.427017808	2.21061E-06	0.000656639	0.001363905	0.002871607	0.002351311
2096 Nov	0.102464519	9.91193E-06	3.323402405	28.17165184	0.134532362	0.002154527	196.5803375	0.014583917	0.008320346	0.001212659	0.002100102	0.000840874	0.427051812	2.21004E-06	0.000656755	0.001363126	0.002870676	0.002351908
2096 Dec	0.102459088	9.91223E-06	3.324306488	28.18395805	0.134581372	0.002155476	196.6855011	0.014591461	0.008320125	0.001213166	0.002101115	0.000841278	0.427230835	2.21016E-06	0.000657041	0.001363547	0.002871383	0.002353039
2097 Jan	0.102456801	9.91231E-06	3.324774265	28.19036674	0.134607583	0.002155966	196.740448	0.014595402	0.008319948	0.001213433	0.002101643	0.000841488	0.427324653	2.2102E-06	0.000657188	0.001363771	0.002871741	0.002353628
2097 Feb	0.102458544	9.91235E-06	3.324857712	28.19132996	0.134612575	0.002156037	196.7484436	0.014595985	0.008319979	0.001213477	0.002101721	0.000841519	0.427339852	2.21022E-06	0.00065721	0.001363815	0.002871798	0.002353712
2097 Mar	0.102469899	9.91335E-06	3.325192928	28.19410515	0.134626463	0.002156248	196.7676697	0.014597418	0.008320835	0.001213599	0.002101926	0.000841601	0.427382648	2.21044E-06	0.000657274	0.001363956	0.002872082	0.002353942
2097 Apr	0.102541365	9.9202E-06	3.327491999	28.21355247	0.1347197	0.002157734	196.9033051	0.014607484	0.0083266	0.001214438	0.002103375	0.000842182	0.42767784	2.21196E-06	0.000657727	0.001364901	0.002874065	0.002355564
2097 May	0.103137344	9.93976E-06	3.330524445	28.20307159	0.134936333	0.002156316	196.7383575	0.014599361	0.008351116	0.001216238	0.002102162	0.000841811	0.427818537	2.21537E-06	0.000657323	0.001367611	0.002876607	0.002353599
2097 Jun	0.104165234	9.91927E-06	3.297696829	27.77078247	0.133695215	0.002119423	192.9656982	0.014324028	0.008361503	0.00120314	0.002065422	0.000827259	0.421619922	2.20821E-06	0.000645925	0.001358519	0.002852985	0.002311218
2097 Jul	0.104662843	9.98365E-06	3.318882465	27.97934914	0.134592146	0.002135256	194.4805298	0.014437234	0.008408337	0.001211447	0.002081511	0.000833615	0.424656123	2.2217E-06	0.000650696	0.001367406	0.002872947	0.002329468
2097 Aug	0.104923941	1.00281E-05	3.336115837	28.16692352	0.135366485	0.002149854	195.8887482	0.014543898	0.008435017	0.001218744	0.002096137	0.00083949	0.427392721	2.23033E-06	0.000655002	0.001374364	0.002887654	0.002346525
2097 Sep	0.10496138	1.00514E-05	3.349872351	28.33866501	0.13604027	0.002163431	197.2455139	0.014645268	0.008444933	0.001225278	0.002109819	0.000844977	0.429868311	2.23466E-06	0.000658948	0.001380219	0.002898839	0.002362489
2097 Oct	0.104699798	1.00464E-05	3.350794792	28.39069557	0.136135459	0.002168676	197.7570648	0.014685011	0.008438258	0.001226504	0.002114401	0.00084686	0.430601537	2.23231E-06	0.000660195	0.001380447	0.002899086	0.002368252
2097 Nov	0.104549125	1.00413E-05	3.349723101	28.39975929	0.136109129	0.002170047	197.8844757	0.01469547	0.008433569	0.001226414	0.002115365	0.000847276	0.430723965	2.23055E-06	0.000660433	0.001379871	0.00289794	0.002369619
2097 Dec	0.104516059	1.00401E-05	3.349780321	28.40544891	0.13612026	0.002170588	197.9420013	0.014699827	0.008432164	0.001226563	0.002115876	0.000847483	0.430802345	2.23019E-06	0.000660567	0.001379899	0.002897922	0.002370249
2098 Jan	0.104512542	1.00403E-05	3.350585699	28.41654205	0.136165664	0.002171436	198.0369415	0.014706641	0.0084319	0.001227025	0.002116789	0.000847847	0.43096441	2.23028E-06	0.000660821	0.001380289	0.002898548	0.002371268
2098 Feb	0.104516782	1.00404E-05	3.350752592	28.41834259	0.136175066	0.002171569	198.0514221	0.014707701	0.008432055	0.001227107	0.002116931	0.000847904	0.430992782	2.23032E-06	0.000660861	0.001380374	0.002898669	0.002371424
2098 Mar	0.104525574	1.00411E-05	3.350975513	28.42009735	0.136184573	0.002171701	198.0633545	0.014708599	0.008432652	0.001227187	0.002117059	0.000847956	0.431020617	2.23047E-06	0.000660901	0.001380471	0.002898853	0.002371566
2098 Apr	0.104619928	1.00451E-05	3.352277994	28.42728233	0.136251315	0.002172184	198.1035156	0.014711967	0.008436975	0.001227608	0.002117518	0.000848146	0.431165189	2.23128E-06	0.00066105	0.00138115	0.002899713	0.002372042
2098 May	0.105994023	1.00477E-05	3.340991259	28.20064545	0.136066571	0.00215275	196.1605072	0.014580102	0.008468015	0.001224642	0.002098659	0.000840954	0.428694934	2.22914E-06	0.000655209	0.001380987	0.002888912	0.002349053
2098 Jun	0.106720731	9.94974E-06	3.268730402	27.36188889	0.133124113	0.002081785	188.8863983	0.014036402	0.008423002	0.001194399	0.002026744	0.000812366	0.415845066	2.20504E-06	0.000633148	0.001356329	0.002832316	0.002268297
2098 Jul	0.107285835	1.00184E-05	3.288846731	27.54663277	0.133924231	0.002095611	190.1457825	0.014129425	0.00847563	0.00120152	0.002040479	0.000817755	0.418463498	2.21975E-06	0.000637289	0.00136466	0.002851912	0.002283945
2098 Aug	0.107153833	1.00463E-05	3.301377058	27.72526741	0.134545892	0.002110185	191.5699615	0.014239565	0.008478759	0.001207568	0.002054883	0.000823602	0.420994461	2.2235E-06	0.000641338	0.001369311	0.002862393	0.00230142
2098 Sep	0.106285773	1.00245E-05	3.298021317	27.80197334	0.134504467	0.002118994	192.4199066	0.014306682	0.008445786	0.00120787	0.002061997	0.000826608	0.421931118	2.21556E-06	0.000643097	0.001366829	0.002858612	0.002311261
2098 Oct	0.105217397	9.98412E-06	3.292392254	27.87698555	0.134260252	0.002126803	193.1793518	0.014347513	0.008408365	0.001206244	0.002067055	0.00082865	0.422220051	2.20782E-06	0.000644344	0.001362664	0.002852887	0.002318979
2098 Nov	0.104786478	9.9664E-06	3.287885427	27.87621307	0.134010583	0.002127261	193.1838989	0.014338777	0.008393466	0.001203969	0.002066088	0.000828253	0.421762675	2.205E-06	0.000644027	0.001359695	0.002848835	0.002318793
2098 Dec	0.104783848	9.96707E-06	3.288887978	27.88965416	0.134064287	0.002128304	193.2978363	0.014346982	0.008393573	0.00120452	0.002067188	0.000828692	0.421958387	2.2052E-06	0.000644336	0.001360162	0.002849646	0.002320027
2099 Jan	0.104781806	9.9673E-06	3.289532185	27.89850426	0.134100571	0.00212898	193.3732147	0.0143524	0.008393438	0.001204888	0.002067915	0.000828982	0.422087312	2.20528E-06	0.000644537	0.001360476	0.002850159	0.00232084
2099 Feb	0.1047832	9.96756E-06	3.289970875	27.90423393	0.134125113	0.002129413	193.4212646	0.014355863	0.008393465	0.001205131	0.002068381	0.000829167	0.422171593	2.20536E-06	0.000644666	0.001360692	0.002850507	0.002321362
2099 Mar	0.104808293	9.96985E-06	3.290750742	27.91090393	0.134157643	0.00212992	193.4678497	0.014359321	0.008395404	0.001205421	0.002068877	0.000829366	0.422227307	2.20587E-06	0.00064482	0.00136102	0.002851175	0.002321917
2099 Apr	0.105005242	9.9798E-06	3.294202328	27.93447876	0.13432613	0.0021316	193.6179047	0.014371102	0.008405411	0.001206628	0.002070511	0.000830033	0.422690749	2.20796E-06	0.00064533	0.001362716	0.002853676	0.002323687
2099 May	0.107443973	9.94106E-06	3.265817642	27.44851303	0.133666411	0.002088419	189.2420502	0.014050135	0.008431878	0.001193987	0.002026707	0.000812992	0.416454732	2.19818E-06	0.000632047	0.001358491	0.002821641	0.002272598
2099 Jun	0.107466683	9.90476E-06	3.240508795	27.18952179	0.132598415	0.00206501	186.8025208	0.013858736	0.008405587	0.001182813	0.002002856	0.00080335	0.41185084	2.19017E-06	0.000624592	0.001349573	0.002803374	0.002246865
2099 Jul	0.107915901	9.96701E-06	3.262635469	27.4214325	0.133581102	0.00208258	188.5199585	0.013986889	0.008448496	0.00119202	0.002020899	0.000810482	0.415200949	2.20307E-06	0.000629838	0.001359133	0.002824191	0.002267443
2099 Aug	0.108229049	1.00255E-05	3.285412312	27.6720829	0.134612486	0.002102347	190.4102325	0.014129966	0.008482845	0.001201672	0.002040405	0.000818349	0.418858916	2.21441E-06	0.000635541	0.001368372	0.002843661	0.002290272
2099 Sep	0.107680358	1.00188E-05	3.286031008	27.75372505	0.134728551	0.002110547	191.2183838	0.014194607	0.00846255	0.001203278	0.002047773	0.000821418	0.419975191	2.21041E-06	0.000637432	0.001367971	0.002843828	0.002299851
2099 Oct	0.107164174	1.0004E-05	3.285160303	27.81927109	0.134774297	0.0021176	191.9304047	0.014248867	0.008446878	0.001204377	0.002053806	0.000823899	0.420847416	2.20566E-06	0.000638987	0.001367313	0.002842669	0.002307556
2099 Nov	0.106808111	9.9905E-06	3.283159018	27.84375	0.134710744	0.002120367	192.212677	0.01426734	0.008433949	0.001204114	0.002055861	0.000824738	0.421032071	2.20254E-06	0.000639478	0.001366082	0.002840755	0.00231046
2099 Dec	0.106808998	9.99116E-06	3.283837795	27.85254669	0.134746328	0.002121052	192.2865753	0.014272672	0.008434247	0.001204476	0.002056577	0.000825024	0.421160668	2.20271E-06	0.000639679	0.001366396	0.002841316	0.002311262
2100 Jan	0.106801063	9.99124E-06	3.284803152	27.86654282	0.134802431	0.002122118	192.4071503	0.014281319	0.008433722	0.001205056	0.002057733	0.000825484	0.421362787	2.20279E-06	0.000639995	0.001366876	0.002842094	0.00231256
2100 Feb	0.1068011	9.99134E-06	3.285135269	27.87110138	0.134821862	0.002122462	192.4459076	0.014284111	0.008433645	0.001205249	0.002058107	0.000825633	0.421429694	2.20283E-06	0.000640097	0.001367045	0.002842356	0.002312978
2100 Mar	0.106807403	9.99183E-06	3.2853055	27.87252235	0.134829327	0.002122569	192.4557648	0.014284846	0.008434073	0.001205312	0.002058211	0.000825675	0.421451837	2.20293E-06	0.000640129	0.00136712	0.002842498	0.002313094
2100 Apr	0.106890097	9.9995E-06	3.287828207	27.89387131	0.134933025	0.002124194	192.6030884	0.014295784	0.008440563	0.001206237	0.002059787	0.000826307	0.421775162	2.20462E-06	0.000640619	0.001368171	0.002844677	0.002314864
2100 May	0.107910253	1.00041E-05	3.290754795	27.88469505	0.135458425	0.002121359	192.5130463	0.014291407	0.008461346	0.001211443	0.002058637	0.000826101	0.422178298	2.20507E-06	0.000639714	0.001374039	0.002846652	0.00231188
2100 Jun	0.10803473	9.90542E-06	3.225917339	27.17261887	0.132663235	0.002060116	186.2828674	0.013810175	0.008404493	0.001183215	0.001996594	0.000801165	0.410579443	2.18411E-06	0.000620694	0.001350446	0.002798083	0.002242369
2100 Jul	0.107789427	9.92568E-06	3.232115269	27.29446411	0.132950917	0.002068717	187.1527557	0.013872284	0.008403762	0.001185892	0.002006069	0.000804669	0.411856622	2.18751E-06	0.000623116	0.001353348	0.002807786	0.002254035
2100 Aug	0.107422754	9.93705E-06	3.233775616	27.36470985	0.13304165	0.002075143	187.7243958	0.013920201	0.008392673	0.00118684	0.002011837	0.000807079	0.41270414	2.18717E-06	0.000624606	0.001352814	0.002809585	0.00226215
2100 Sep	0.107040524	9.94284E-06	3.240761042	27.5025959	0.133411855	0.0020867	188.885788	0.014004793	0.008381433	0.001190679	0.002022838	0.000811548	0.414482623	2.18759E-06	0.000627594	0.001355032	0.002815372	0.002275712
2100 Oct	0.106866002	9.94609E-06	3.248445034	27.62962914	0.133834556	0.002096846	189.9461517	0.014081046	0.008377759	0.001195032	0.002033026	0.000815612	0.416193515	2.18824E-06	0.000630408	0.001358437	0.002821658	0.002287748
2100 Nov	0.106844291	9.94794E-06	3.249904871	27.65177536	0.133902311	0.002098611	190.119873	0.014093032	0.008378496	0.001195701	0.00203469	0.000816275	0.416471422	2.18871E-06	0.000630883	0.001358996	0.002822881	0.002289752
2100 Dec	0.106844857	9.94902E-06	3.251191854	27.66876411	0.133971483	0.002099913	190.2619934	0.014103275	0.008378802	0.001196404	0.002036072	0.000816825	0.416717708	2.18901E-06	0.000631267	0.001359607	0.002823951	0.002291305
2101 Jan	0.106832638	9.94929E-06	3.252743006	27.69129753	0.13406153	0.002101629	190.4554443	0.014117159	0.008378054	0.001197335	0.002037932	0.000817565	0.417041928	2.18916E-06	0.000631774	0.001360381	0.002825225	0.002293396
2101 Feb	0.106827237	9.94939E-06	3.25351882	27.70262146	0.134107381	0.002102487	190.5527039	0.014124142	0.008377658	0.001197805	0.002038866	0.000817937	0.417205215	2.18923E-06	0.000632027	0.001360775	0.002825862	0.002294446
2101 Mar	0.106831796	9.94978E-06	3.253698826	27.704422	0.134115964	0.002102623	190.5663147	0.014125139	0.008377969	0.001197884	0.002039005	0.000817992	0.417232394	2.18932E-06	0.000632067	0.001360857	0.002826011	0.002294601
2101 Apr	0.10688246	9.95433E-06	3.255226374	27.71753502	0.134180292	0.002103615	190.6570282	0.014131873	0.008381809	0.001198453	0.002039972	0.00081838	0.417430848	2.19032E-06	0.000632365	0.001361506	0.002827324	0.002295689
2101 May	0.107937448	9.95611E-06	3.24516654	27.52254295	0.133916155	0.0020867	188.9544983	0.014010278	0.008407742	0.001195405	0.002023283	0.000811971	0.415077537	2.18969E-06	0.000627286	0.001360485	0.002818499	0.002275421

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.108228907	9.90422E-06	3.206676722	27.08263397	0.132268339	0.00204856	185.0380554	0.013709357	0.008382284	0.001178515	0.00198462	0.000796455	0.40796563	2.17831E-06	0.000615472	0.001346938	0.002789731	0.002232058
2101 Jul	0.108737595	9.96736E-06	3.228226185	27.29806137	0.133192435	0.002064652	186.5634918	0.013821013	0.008428695	0.001186921	0.002000814	0.000802838	0.410999835	2.19195E-06	0.000620236	0.001356233	0.002810078	0.002250592
2101 Aug	0.109204054	1.0027E-05	3.251926661	27.54694939	0.134274393	0.00208373	188.406189	0.013958633	0.008469264	0.001196992	0.00201995	0.000810508	0.414631248	2.2043E-06	0.000625838	0.001366408	0.00283057	0.002272695
2101 Sep	0.108752005	1.0029E-05	3.25656271	27.67066002	0.134585962	0.002095081	189.5412598	0.014047123	0.008456578	0.001200457	0.002030634	0.00081489	0.416375905	2.20249E-06	0.00062866	0.001367959	0.002834444	0.002285975
2101 Oct	0.108475074	1.00289E-05	3.265249729	27.82962036	0.135121018	0.002108305	190.9580078	0.014151903	0.00844927	0.001206206	0.002044036	0.000820268	0.41864714	2.20186E-06	0.000632277	0.001372129	0.002841622	0.002301627
2101 Nov	0.10807316	1.00145E-05	3.26249671	27.85431099	0.135062352	0.002111885	191.3309631	0.014181511	0.00843663	0.001206196	0.002046844	0.000821454	0.419001907	2.19759E-06	0.000632919	0.001370794	0.002839166	0.002305328
2101 Dec	0.108037591	1.00137E-05	3.261813879	27.85076523	0.135027826	0.00211194	191.327652	0.014181578	0.008437124	0.00120593	0.002046656	0.000821395	0.418964863	2.19729E-06	0.000632863	0.001370401	0.002838608	0.002305141
2102 Jan	0.108032294	1.00138E-05	3.262526274	27.86128426	0.135070369	0.002112743	191.4186554	0.014188117	0.008436761	0.001206366	0.002047526	0.000821742	0.419117212	2.19734E-06	0.000633098	0.001370766	0.00283919	0.002306118
2102 Feb	0.10803692	1.0014E-05	3.262653112	27.86253166	0.135077491	0.002112834	191.42836	0.014188836	0.008436952	0.001206425	0.002047622	0.00082178	0.419137478	2.19739E-06	0.000633125	0.001370833	0.002839283	0.002306224
2102 Mar	0.108045392	1.00147E-05	3.262907505	27.86482239	0.135089144	0.002113006	191.4448242	0.014190055	0.008437524	0.001206527	0.002047793	0.000821849	0.419172704	2.19754E-06	0.000633177	0.001370947	0.002839495	0.002306415
2102 Apr	0.108083621	1.00181E-05	3.264033794	27.87437248	0.135136008	0.002113729	191.5102997	0.014194914	0.008440453	0.001206943	0.002048494	0.000822131	0.419317007	2.1983E-06	0.000633393	0.001371423	0.002840471	0.002307203
2102 May	0.108264945	1.00349E-05	3.269487858	27.92100906	0.135362685	0.002117262	191.8302155	0.014218672	0.00845452	0.001208965	0.002051921	0.000823506	0.420018792	2.20195E-06	0.000634452	0.001373722	0.002845213	0.002311068
2102 Jun	0.106404565	9.97555E-06	3.209141254	27.41036606	0.132390559	0.002076256	187.9971619	0.013926302	0.008387804	0.001181207	0.002014636	0.000807118	0.411198437	2.18731E-06	0.000622006	0.001349898	0.002822362	0.002267182
2102 Jul	0.105627224	9.97317E-06	3.18256712	27.17586327	0.130879045	0.002056676	185.9552917	0.013765076	0.008373977	0.001166284	0.001995414	0.000798664	0.406636506	2.1863E-06	0.000615914	0.001337854	0.002814039	0.00224582
2102 Aug	0.105841629	1.00159E-05	3.195025444	27.31026268	0.131417155	0.002067495	186.9243317	0.013841193	0.008399064	0.001171139	0.0020057	0.000802849	0.408587545	2.19392E-06	0.000618922	0.001342586	0.002825149	0.002258274
2102 Sep	0.105774581	1.00311E-05	3.197873354	27.35630798	0.131533593	0.00207207	187.2798767	0.013872002	0.008405349	0.001172145	0.002009362	0.000804402	0.40925175	2.19548E-06	0.000619973	0.001343199	0.002827628	0.002263249
2102 Oct	0.105171248	1.00039E-05	3.184948206	27.27809334	0.13097547	0.002068628	186.8240204	0.013845583	0.008383574	0.001167166	0.002004021	0.000802395	0.40809235	2.18665E-06	0.000618308	0.001336957	0.00281613	0.002258538
2102 Nov	0.105153911	1.00066E-05	3.188106298	27.32379532	0.131151199	0.002072285	187.2167053	0.013874202	0.008384484	0.001168982	0.002007778	0.000803901	0.40875721	2.18727E-06	0.000619339	0.001338462	0.002818795	0.00226282
2102 Dec	0.105146483	1.00073E-05	3.189599276	27.34513474	0.131236777	0.002073915	187.3986053	0.013887282	0.008384196	0.001169864	0.00200953	0.000804599	0.409064293	2.1875E-06	0.000619815	0.001339205	0.00282005	0.002264795
2103 Jan	0.105148494	1.00074E-05	3.189729691	27.34669495	0.131243899	0.002074036	187.4115143	0.013888222	0.008384325	0.001169932	0.002009655	0.000804649	0.409087986	2.18754E-06	0.00061985	0.001339269	0.002820155	0.002264935
2103 Feb	0.105154738	1.00079E-05	3.189866781	27.34773827	0.131249964	0.002074113	187.4183807	0.013888743	0.008384718	0.00116998	0.00200973	0.000804679	0.409104764	2.18763E-06	0.000619873	0.001339331	0.002820267	0.002265017
2103 Mar	0.105165564	1.00088E-05	3.190166235	27.35023499	0.131262526	0.002074301	187.4353638	0.013890006	0.008385524	0.001170089	0.002009912	0.000804753	0.409142822	2.18784E-06	0.000619929	0.001339459	0.002820527	0.002265221
2103 Apr	0.105216853	1.00136E-05	3.191705942	27.36339378	0.13132602	0.002075298	187.5254517	0.013896686	0.008389581	0.001170653	0.002010878	0.000805139	0.409340054	2.18889E-06	0.000620227	0.001340107	0.002821886	0.00226631
2103 May	0.105986245	1.00201E-05	3.202680826	27.48003578	0.132232606	0.002082387	188.4955139	0.013966255	0.008404336	0.001179795	0.002019878	0.000808931	0.411389083	2.19082E-06	0.000622199	0.001348987	0.002830568	0.002275188
2103 Jun	0.106321909	9.93033E-06	3.162173748	27.06922531	0.130843967	0.002044158	184.8758545	0.013675676	0.008350397	0.00116604	0.001982887	0.000794108	0.404503733	2.17303E-06	0.000610181	0.001337724	0.002799805	0.002233029
2103 Jul	0.106200419	9.95879E-06	3.164665937	27.12725449	0.130860165	0.002047876	185.161911	0.013694252	0.008360501	0.001165863	0.001986617	0.000795365	0.404811889	2.17817E-06	0.000611094	0.001338143	0.002806425	0.002238355
2103 Aug	0.106035098	9.98288E-06	3.165331125	27.17819023	0.130905539	0.002052686	185.6447754	0.013738748	0.008363981	0.001166785	0.001991406	0.000797394	0.405542105	2.18012E-06	0.000612215	0.001337089	0.002808677	0.002244926
2103 Sep	0.105554812	9.97914E-06	3.167672396	27.28044891	0.131071359	0.002062135	186.5386658	0.013804588	0.008352028	0.001168684	0.001999546	0.000800721	0.406758666	2.17797E-06	0.000614368	0.001337473	0.00281041	0.002255682
2103 Oct	0.10451664	9.93485E-06	3.149404049	27.1779747	0.130056739	0.002056414	185.7428741	0.013730079	0.00832009	0.001159115	0.001989433	0.000796726	0.404341161	2.16944E-06	0.000611521	0.001326572	0.002794137	0.002246604
2103 Nov	0.104230076	9.92358E-06	3.145328999	27.16239929	0.129820809	0.002055797	185.6264801	0.013716052	0.008312169	0.001156926	0.001987578	0.000795996	0.403835267	2.16754E-06	0.000611001	0.001323956	0.002790484	0.002245141
2103 Dec	0.104220115	9.924E-06	3.14666152	27.18212318	0.129898906	0.002057307	185.7957764	0.013728204	0.008311726	0.001157735	0.0019892	0.000796642	0.404117584	2.16771E-06	0.000611437	0.001324629	0.002791615	0.002246974
2104 Jan	0.104221627	9.92407E-06	3.146732092	27.18297577	0.129903123	0.002057374	185.8030853	0.01372874	0.008311802	0.001157773	0.001989269	0.00079667	0.404131174	2.16773E-06	0.000611456	0.001324667	0.002791668	0.00224705
2104 Feb	0.104225487	9.92423E-06	3.146783113	27.18325233	0.129905775	0.002057392	185.8046265	0.013728865	0.008311979	0.00115779	0.001989286	0.000796677	0.404136747	2.16776E-06	0.000611462	0.001324694	0.002791702	0.002247068
2104 Mar	0.104237102	9.92522E-06	3.147098303	27.18588066	0.129919082	0.00205759	185.8224182	0.013730188	0.008312833	0.001157904	0.001989477	0.000796754	0.404176682	2.16798E-06	0.00061152	0.001324829	0.002791975	0.002247282
2104 Apr	0.104317285	9.9328E-06	3.149503946	27.20663643	0.130018607	0.00205916	185.9642639	0.013740673	0.008319189	0.00115879	0.001990995	0.000797362	0.404485673	2.16963E-06	0.000611987	0.001325844	0.002794106	0.002248997
2104 May	0.105562493	9.93557E-06	3.145447016	27.08172798	0.13016364	0.002047108	184.8553009	0.013661831	0.008346984	0.001159926	0.001979948	0.000793266	0.403267503	2.16965E-06	0.00060837	0.001328603	0.002789638	0.002234696
2104 Jun	0.105775371	9.86053E-06	3.10043478	26.56944275	0.128226325	0.00200248	180.2718964	0.013307912	0.008303029	0.001140049	0.001934656	0.000775111	0.394922554	2.1536E-06	0.000594727	0.001312225	0.002753502	0.00218409
2104 Jul	0.106007613	9.90685E-06	3.111347198	26.69019318	0.128666565	0.002011368	181.0739136	0.013368801	0.008332131	0.001143906	0.001943683	0.000778592	0.396481156	2.1624E-06	0.000597273	0.001316771	0.002765979	0.002194923
2104 Aug	0.106117547	9.94436E-06	3.12272954	26.82985687	0.129196346	0.00202261	182.1202545	0.013451259	0.008350207	0.001148827	0.001954623	0.000783038	0.398481727	2.16859E-06	0.000600353	0.001321185	0.002776382	0.002208296
2104 Sep	0.105653279	9.9408E-06	3.120666504	26.86635208	0.129154757	0.002027339	182.5289307	0.013487868	0.008335131	0.001148672	0.001958214	0.000784619	0.398970544	2.16526E-06	0.000601175	0.001319527	0.002774588	0.002213715
2104 Oct	0.105026335	9.91839E-06	3.111833334	26.83945656	0.128723621	0.002027533	182.4430084	0.01347941	0.008318754	0.00114491	0.00195603	0.000783832	0.398292869	2.15954E-06	0.00060047	0.001314463	0.002766769	0.002212591
2104 Nov	0.104833275	9.91159E-06	3.108844042	26.82527161	0.128543824	0.002026938	182.3353119	0.013467958	0.008314617	0.001143223	0.001954478	0.000783223	0.397901744	2.15838E-06	0.000600048	0.001312514	0.002764129	0.00221128
2104 Dec	0.104826644	9.91214E-06	3.110073328	26.84327698	0.128615946	0.002028315	182.4893951	0.013479053	0.008314369	0.001143968	0.001955959	0.000783813	0.398160398	2.15857E-06	0.000600445	0.00131314	0.002765189	0.002212953
2105 Jan	0.104820892	9.91219E-06	3.110744953	26.85356712	0.128657386	0.002029097	182.5785828	0.01348547	0.008313979	0.001144395	0.001956811	0.000784152	0.398308396	2.15862E-06	0.000600671	0.001313496	0.00276576	0.002213915
2105 Feb	0.10482417	9.91237E-06	3.110846519	26.85461235	0.128662944	0.002029174	182.5866699	0.013486067	0.008314139	0.001144443	0.001956891	0.000784185	0.398324788	2.15866E-06	0.000600694	0.001313549	0.00276584	0.002214005
2105 Mar	0.10482879	9.91272E-06	3.110962391	26.85557938	0.1286681	0.002029246	182.5932617	0.013486557	0.008314447	0.001144486	0.001956961	0.000784213	0.398339719	2.15874E-06	0.000600715	0.001313601	0.002765937	0.002214083
2105 Apr	0.104873233	9.91687E-06	3.112265825	26.86679268	0.128722146	0.002030093	182.6694336	0.013492187	0.008317939	0.001144966	0.001957778	0.00078454	0.398506463	2.15964E-06	0.000600966	0.001314152	0.002767093	0.002215006
2105 May	0.105809107	9.91929E-06	3.110637903	26.79486847	0.128926769	0.002022594	182.0084839	0.013445781	0.008337529	0.001146754	0.001951232	0.000782159	0.397895604	2.15964E-06	0.000598701	0.001317075	0.002764928	0.002206336
2105 Jun	0.106557295	9.90621E-06	3.094831705	26.56688118	0.128356144	0.002001938	179.8895569	0.013286121	0.00834379	0.001140467	0.001930709	0.000774047	0.394503176	2.15626E-06	0.000592448	0.001313274	0.002752373	0.002182639
2105 Jul	0.106866941	9.9563E-06	3.109431028	26.73137856	0.129030913	0.002014452	181.0866089	0.013379354	0.008374878	0.001146741	0.001943566	0.000779153	0.396856755	2.16535E-06	0.000596058	0.001319626	0.002766889	0.002197864
2105 Aug	0.106342204	9.96291E-06	3.11109972	26.83643913	0.129228741	0.002023759	182.036087	0.013458359	0.00835387	0.001149076	0.001952865	0.000782996	0.398243785	2.16321E-06	0.000598276	0.001319552	0.0027693	0.002210298
2105 Sep	0.105120219	9.92935E-06	3.106734991	26.94021797	0.129049733	0.002033521	182.9870148	0.013514519	0.008306136	0.001147939	0.00196007	0.000785951	0.39881748	2.15654E-06	0.000599952	0.001315401	0.002765444	0.002221165
2105 Oct	0.104182832	9.89522E-06	3.102510691	27.01509285	0.128841817	0.002040391	183.647644	0.013545757	0.00827321	0.001146437	0.001964566	0.000787713	0.399000764	2.15105E-06	0.000601042	0.001311978	0.002761552	0.002228237
2105 Nov	0.103861488	9.88243E-06	3.098472595	27.00446701	0.128611296	0.002040143	183.5763397	0.013534476	0.008263578	0.001144329	0.001963109	0.00078713	0.398539424	2.14891E-06	0.000600622	0.001309381	0.002757983	0.002227249
2105 Dec	0.103855498	9.88269E-06	3.099239588	27.01613045	0.128657505	0.002041042	183.6774597	0.013541764	0.008263359	0.00114481	0.001964074	0.000787515	0.398707271	2.14901E-06	0.000600878	0.001309779	0.002758653	0.00222834
2106 Jan	0.103856914	9.88275E-06	3.099297762	27.01686096	0.128661245	0.002041099	183.6838684	0.013542239	0.008263422	0.001144844	0.001964133	0.00078754	0.398719162	2.14902E-06	0.000600894	0.001309812	0.002758697	0.002228406
2106 Feb	0.103859842	9.88282E-06	3.099327803	27.01699638	0.128663152	0.002041107	183.6846313	0.013542306	0.008263525	0.001144854	0.001964141	0.000787543	0.398722649	2.14903E-06	0.000600896	0.001309832	0.002758712	0.002228413
2106 Mar	0.103866212	9.88331E-06	3.099482298	27.0182476	0.128669858	0.0020412	183.6929474	0.013542926	0.008263958	0.00114491	0.00196423	0.000787579	0.39874199	2.14914E-06	0.000600924	0.0013099	0.002758843	0.002228513
2106 Apr	0.103924178	9.88876E-06	3.101191759	27.03309631	0.128740996	0.002042321	183.7937927	0.013550366	0.00826853	0.001145541	0.001965309	0.000788012	0.398961604	2.15032E-06	0.000601254	0.001310624	0.002760361	0.002229736
2106 May	0.10442616	9.90499E-06	3.107294798	27.07641792	0.129150227	0.002044996	184.1130829	0.013575915	0.008287824	0.001149441	0.001968597	0.000789422	0.399843097	2.15359E-06	0.000602032	0.001314916	0.00276557	0.002232828
2106 Jun	0.104571141	9.8321E-06	3.059013605	26.5345993	0.127077624	0.001997862	179.4796906	0.01321752	0.008247986	0.001128865	0.001922737	0.000770727	0.391184151	2.13848E-06	0.000587875	0.001298524	0.002732895	0.002179625
2106 Jul	0.104573913	9.87645E-06	3.065739393	26.63385773	0.127277717	0.002004588	180.0731506	0.01325856	0.008270908	0.001130386	0.001929809	0.000773234	0.392087549	2.14712E-06	0.000589694	0.001301175	0.002744985	0.002188425
2106 Aug	0.104222752	9.89502E-06	3.069415331	26.74697685	0.127549723	0.002014485	181.0851288	0.01334294	0.008262547	0.001133465	0.001939778	0.000777357	0.393677235	2.14761E-06	0.000592123	0.001301942	0.002749588	0.002201353
2106 Sep	0.103373215	9.88178E-06	3.069783211	26.86877251	0.127683029	0.002026175	182.2721252	0.013430266	0.008231265	0.0011354	0.001950025	0.000781629	0.39512673	2.14319E-06	0.00059459	0.001300988	0.002750105	0.002214879
2106 Oct	0.102986202	9.87562E-06	3.075965166	27.01321602	0.128060266	0.002037923	183.5121307	0.01351455	0.008220621	0.0011395	0.001961255	0.000786112	0.396872967	2.14263E-06	0.000597549	0.001303653	0.002755501	0.002228496
2106 Nov	0.102998845	9.87873E-06	3.078334332	27.04457283	0.128188193	0.002040319	183.7685394	0.013533024	0.008222247	0.001140776	0.001963757	0.000787111	0.397319794	2.1434E-06	0.000598231	0.001304808	0.002757602	0.002231347
2106 Dec	0.10299401	9.87918E-06	3.079269171	27.05853844	0.128244296	0.002041385	183.8881531	0.013541646	0.008222067	0.001141355	0.001964906	0.000787569	0.397519916	2.14354E-06	0.000598535	0.001305297	0.002758428	0.002232648
2107 Jan	0.102995075	9.87926E-06	3.079348803	27.05957222	0.128249019	0.002041465	183.8968964	0.013542286	0.008222127	0.0011414	0.00196499	0.000787602	0.397535592	2.14356E-06	0.000598558	0.001305339	0.002758493	0.002232742
2107 Feb	0.102999561	9.87959E-06	3.079483509	27.06086731	0.128255576	0.002041561	183.9063721	0.013542985	0.008222413	0.001141457	0.001965087	0.000787641	0.397555321	2.14364E-06	0.000598586	0.001305403	0.002758607	0.002232851
2107 Mar	0.103012227	9.88076E-06	3.079860926	27.06423759	0.128271803	0.002041814	183.9296265	0.013544697	0.008223385	0.0011416	0.001965333	0.00078774	0.397605211	2.14389E-06	0.00059866	0.001305567	0.002758941	0.00223313
2107 Apr	0.103040919	9.88347E-06	3.080712318	27.07171822	0.128307447	0.002042379	183.980545	0.013548448	0.008225651	0.001141917	0.001965877	0.000787958	0.39771536	2.14448E-06	0.000598825	0.00130593	0.002759702	0.002233747
2107 May	0.103583805	9.88382E-06	3.075625181	26.96669388	0.128146037	0.002033161	183.0242615	0.013479364	0.008238053	0.001139992	0.001956656	0.000784398	0.3963902	2.14411E-06	0.000596132	0.001305174	0.002754682	0.002222717
2107 Jun	0.104591824	9.86305E-06	3.049104929	26.57199287	0.127040938	0.001999201	179.5214844	0.01322036	0.008248927	0.001128293	0.001922762	0.000770949	0.390767425	2.1385E-06	0.000586143	0.001297226	0.002733374	0.00218306
2107 Jul	0.104735367	9.90362E-06	3.059369564	26.70815277	0.127554864	0.002009619	180.5545959	0.013303095	0.008269684	0.001133224	0.001933881	0.000775331	0.392695904	2.14502E-06	0.000589086	0.001301921	0.002745131	0.002196391
2107 Aug	0.105023436	9.951E-06	3.076195002	26.90473175	0.128366709	0.002024787	182.0414581	0.01341571	0.008298616	0.001140907	0.001949182	0.000781483	0.395521939	2.15412E-06	0.00059336	0.001309271	0.002760695	0.002214407
2107 Sep	0.104916029	9.96947E-06	3.088709831	27.10161018	0.129090399	0.002040872	183.6895142	0.013540024	0.00830446	0.001148175	0.001965286	0.000787969	0.398338884	2.15691E-06	0.000597659	0.001315361	0.002772026	0.002233558
2107 Oct	0.104547061	9.96134E-06	3.091086149	27.19880104	0.129348636	0.002049875	184.6503448	0.013613891	0.00829343	0.001151244	0.001974002	0.000791515	0.399745226	2.15395E-06	0.000599818	0.001316916	0.002774332	0.002244199
2107 Nov	0.104427487	9.95758E-06	3.089413643	27.1958065	0.129286051	0.002050349	184.6830139	0.01361787	0.00829111	0.001150779	0.001974055	0.00079157	0.399722576	2.15261E-06	0.000599786	0.001316107	0.002772927	0.002244489
2107 Dec	0.104411311	9.95799E-06	3.09126091	27.22476768	0.129401371	0.002052553	184.9333496	0.013635895	0.008290225	0.001151978	0.001976449	0.000792523	0.400135428	2.1528E-06	0.000600411	0.001317104	0.002774579	0.002247206
2108 Jan	0.104407974	9.95815E-06	3.091850281	27.23383713	0.129438296	0.002053241	185.0115662	0.013641534	0.008290008	0.001152356	0.001977196	0.000792822	0.400265664	2.15287E-06	0.000600606	0.001317425	0.0027751	0.002248054
2108 Feb	0.104409993	9.95828E-06	3.091994286	27.23573303	0.129447117	0.002053383	185.0273285	0.013642682	0.008290077	0.001152439	0.001977349	0.000792883	0.400293946	2.1529E-06	0.000600646	0.001317505	0.00277522	0.002248226
2108 Mar	0.10442473	9.9596E-06	3.092412233	27.23939133	0.129465014	0.002053657	185.0522614	0.013644525	0.00829119	0.001152596	0.001977615	0.000792989	0.400348336	2.15319E-06	0.000600727	0.001317686	0.00277559	0.002248527
2108 Apr	0.104538888	9.9701E-06	3.095669746	27.26777077	0.129602432	0.002055791	185.2438812	0.013658701	0.008299993	0.001153803	0.001979668	0.000793813	0.400768042	2.15545E-06	0.000601351	0.001319085	0.00277849	0.002250861

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.104853444	9.99268E-06	3.102668762	27.32465172	0.129923046	0.002059967	185.6208191	0.013687395	0.008320026	0.001156526	0.001983756	0.000795469	0.401663512	2.16016E-06	0.000602575	0.001322368	0.002784514	0.002255439
2108 Jun	0.104958788	9.98019E-06	3.064645767	26.85718346	0.1281275	0.002022781	181.9422455	0.013429333	0.008322392	0.00113909	0.001949009	0.000781038	0.395131797	2.15355E-06	0.000591892	0.001309257	0.002765853	0.002213411
2108 Jul	0.105349749	1.00413E-05	3.079202175	27.00891113	0.12874034	0.002033961	182.9873199	0.013508473	0.008365448	0.001144541	0.001960705	0.000785505	0.397197366	2.16562E-06	0.000595117	0.001316098	0.002783504	0.002226765
2108 Aug	0.105859481	1.01068E-05	3.102066278	27.25354576	0.129800171	0.002052729	184.7781525	0.013642748	0.008410811	0.001154321	0.001979321	0.000792983	0.400727123	2.17888E-06	0.000600434	0.001326145	0.002804347	0.002248492
2108 Sep	0.105747581	1.01213E-05	3.111529112	27.40768051	0.130360514	0.002065211	186.0479889	0.01373942	0.008412352	0.001159873	0.001991871	0.000798044	0.402900219	2.18076E-06	0.000603746	0.00133076	0.002812985	0.002263655
2108 Oct	0.105038039	1.00895E-05	3.096922159	27.32284546	0.12974295	0.002062141	185.6394043	0.013718125	0.00838996	0.001154528	0.001986553	0.000796089	0.401739925	2.1709E-06	0.000602013	0.001323801	0.002800209	0.002258988
2108 Nov	0.104949355	1.00877E-05	3.095724821	27.32194901	0.129696175	0.002062764	185.6836548	0.013722705	0.008389839	0.001154199	0.001986717	0.000796192	0.401753724	2.17007E-06	0.000602025	0.001323177	0.002799227	0.002259359
2108 Dec	0.104940295	1.00882E-05	3.097084045	27.34306717	0.129780665	0.002064371	185.8652954	0.013735789	0.008389416	0.001155073	0.001988455	0.000796885	0.402054548	2.17026E-06	0.000602478	0.001323912	0.002800457	0.002261335
2109 Jan	0.104941577	1.00883E-05	3.097193241	27.34455299	0.129787371	0.002064486	185.8779602	0.013736714	0.008389486	0.001155137	0.001988576	0.000796933	0.4020769	2.17028E-06	0.000602509	0.001323972	0.002800549	0.002261471
2109 Feb	0.104946047	1.00886E-05	3.097281456	27.34524155	0.129791662	0.002064536	185.8825684	0.013737063	0.008389736	0.00115517	0.001988625	0.000796953	0.402088255	2.17034E-06	0.000602524	0.001324015	0.002800619	0.002261525
2109 Mar	0.104962178	1.009E-05	3.097729921	27.34912682	0.129810691	0.002064828	185.908844	0.01373901	0.008390966	0.001155336	0.001988906	0.000797066	0.402146071	2.17065E-06	0.000602609	0.001324209	0.002801019	0.002261844
2109 Apr	0.10503751	1.00972E-05	3.099925756	27.36843872	0.129902944	0.002066285	186.0399323	0.013748706	0.00839693	0.001156154	0.001990309	0.000797629	0.402430683	2.17219E-06	0.000603035	0.00132515	0.002803	0.002263439
2109 May	0.105968289	1.01037E-05	3.094742537	27.23069572	0.129825458	0.002054296	184.8193512	0.01366592	0.008420803	0.001154948	0.001978759	0.00079324	0.400970042	2.17217E-06	0.000599603	0.001325595	0.002797506	0.002249185
2109 Jun	0.107307427	1.01084E-05	3.080237389	26.94897461	0.129356429	0.002029889	182.3082428	0.013489615	0.008452272	0.001149536	0.001955013	0.000783978	0.397487909	2.17084E-06	0.000592559	0.00132346	0.002785329	0.002220597
2109 Jul	0.107331797	1.01459E-05	3.092774391	27.14356995	0.130073845	0.002044738	183.8729858	0.01361135	0.008465625	0.001156716	0.001971124	0.000790353	0.400213033	2.17663E-06	0.000596678	0.001329676	0.002799574	0.002239825
2109 Aug	0.1074031	1.01847E-05	3.106276274	27.34262466	0.130816817	0.002060254	185.5063019	0.013736418	0.008482377	0.001164277	0.001987376	0.000796903	0.403058708	2.18327E-06	0.000600917	0.00133568	0.002813324	0.002259142
2109 Sep	0.106895521	1.01819E-05	3.113662243	27.53269386	0.131375104	0.002076202	187.1754608	0.01386112	0.008465359	0.001170197	0.002003129	0.000803261	0.405588835	2.18118E-06	0.000604873	0.001339569	0.002820378	0.002278632
2109 Oct	0.105634332	1.01274E-05	3.098828316	27.51334953	0.130647376	0.002077143	187.1672363	0.013843857	0.00842076	0.001163832	0.0020003	0.000802216	0.404353082	2.17059E-06	0.000603857	0.00133091	0.002807175	0.002277901
2109 Nov	0.105536655	1.01261E-05	3.10016489	27.54742432	0.130723447	0.002079958	187.4597168	0.013862752	0.008419191	0.00116468	0.002002842	0.000803177	0.404737413	2.17067E-06	0.000604523	0.001331415	0.002808429	0.002281002
2109 Dec	0.10552682	1.01267E-05	3.10171628	27.57170105	0.130820721	0.002081801	187.6682129	0.013877774	0.008418733	0.001165685	0.002004837	0.000803973	0.405082345	2.1709E-06	0.000605039	0.001332264	0.002809852	0.002283275
2110 Jan	0.105528831	1.0127E-05	3.101960182	27.57504272	0.130835101	0.002082055	187.696106	0.013879796	0.008418879	0.001165826	0.002005107	0.00080408	0.405131012	2.17096E-06	0.000605111	0.001332394	0.002810069	0.00228358
2110 Feb	0.105533846	1.01274E-05	3.10209775	27.57634926	0.130841956	0.002082152	187.7056122	0.013880501	0.008419186	0.001165885	0.002005204	0.00080412	0.405151099	2.17104E-06	0.000605138	0.001332461	0.002810186	0.00228369
2110 Mar	0.105545513	1.01284E-05	3.102415085	27.57910156	0.130855545	0.002082359	187.7241974	0.013881882	0.008420064	0.001166003	0.002005403	0.0008042	0.405192167	2.17126E-06	0.000605198	0.001332599	0.002810469	0.002283916
2110 Apr	0.105591223	1.01327E-05	3.10374403	27.59087372	0.130911723	0.002083247	187.804245	0.013887804	0.00842368	0.001166502	0.002006259	0.000804543	0.405365497	2.17219E-06	0.000605457	0.001333171	0.00281167	0.002284889
2110 May	0.105869487	1.0142E-05	3.111732244	27.68987465	0.131450102	0.002090094	188.6013336	0.013944802	0.008432098	0.001171839	0.002013941	0.000807661	0.406859398	2.17459E-06	0.000607348	0.001338318	0.002818807	0.002293309
2110 Jun	0.106115438	1.00631E-05	3.089469433	27.51809311	0.131034479	0.00207018	187.0832672	0.013806114	0.008378524	0.001168177	0.001997469	0.00080086	0.403550148	2.16062E-06	0.00060102	0.001336106	0.002804894	0.002273266
2110 Jul	0.106222339	1.01035E-05	3.09591651	27.60355949	0.131286994	0.002076327	187.637558	0.013849758	0.008401101	0.001170327	0.002004056	0.000803305	0.404552639	2.16767E-06	0.000602708	0.001338992	0.002815114	0.002281331
2110 Aug	0.104807802	1.00646E-05	3.073236704	27.4972229	0.130140424	0.00206926	186.8950043	0.013788229	0.008335951	0.001160004	0.001994886	0.000799766	0.402018994	2.15749E-06	0.000599625	0.001324727	0.002797145	0.002274216
2110 Sep	0.103351116	1.00134E-05	3.061759949	27.53939056	0.129537344	0.002074185	187.2653046	0.013791884	0.008280061	0.001154596	0.001995766	0.000800138	0.401259571	2.14832E-06	0.000599618	0.001316628	0.002786845	0.002278528
2110 Oct	0.102147989	9.96077E-06	3.043671608	27.45532417	0.128485382	0.002069965	186.6240387	0.013720631	0.008244217	0.001144787	0.001986499	0.00079644	0.398873776	2.13948E-06	0.000597096	0.00130525	0.002770408	0.002270386
2110 Nov	0.101837449	9.94783E-06	3.041165352	27.46560097	0.128356203	0.002071113	186.7200928	0.013721569	0.008233006	0.001143678	0.001986749	0.000796528	0.398714036	2.13735E-06	0.00059712	0.001303593	0.002768132	0.002271306
2110 Dec	0.101825349	9.94834E-06	3.042733669	27.49081612	0.128456995	0.002073031	186.9381714	0.013737294	0.008232409	0.001144724	0.001988829	0.000797358	0.399072409	2.13754E-06	0.000597653	0.001304471	0.002769592	0.002273678
2111 Jan	0.101821549	9.94844E-06	3.043275833	27.49959564	0.1284924	0.002073693	187.0137939	0.013742709	0.008232151	0.001145085	0.001989548	0.000797644	0.399196327	2.1376E-06	0.000597837	0.001304778	0.002770088	0.002274497
2111 Feb	0.101823114	9.94852E-06	3.043428659	27.50179482	0.128502473	0.002073856	187.0323792	0.013744057	0.00823217	0.001145181	0.001989726	0.000797716	0.399228722	2.13763E-06	0.000597882	0.001304868	0.00277022	0.002274699
2111 Mar	0.101844683	9.95053E-06	3.044054031	27.50744057	0.128529429	0.00207428	187.0709381	0.013746891	0.008233843	0.001145418	0.001990134	0.00079788	0.399311334	2.13806E-06	0.000598004	0.001305141	0.002770783	0.002275164
2111 Apr	0.101925306	9.95834E-06	3.046443939	27.52898026	0.128630489	0.002075904	187.2173157	0.013757653	0.008240321	0.001146317	0.001991692	0.000798504	0.399624527	2.13974E-06	0.000598473	0.001306167	0.002772955	0.002276944
2111 May	0.102650486	9.97066E-06	3.045394182	27.45178032	0.128652155	0.002068919	186.4850464	0.013706692	0.008264458	0.001146138	0.001984833	0.000795909	0.398846358	2.1419E-06	0.000596512	0.001307309	0.002771358	0.002268241
2111 Jun	0.103997849	9.93149E-06	3.011413574	26.92650604	0.12725316	0.002023691	181.8973999	0.013367033	0.008271419	0.001131505	0.001940248	0.000778237	0.391554475	2.13261E-06	0.000583544	0.001297273	0.002742164	0.002215269
2111 Jul	0.104486734	9.99658E-06	3.032080889	27.15627098	0.128238589	0.002040952	183.594986	0.01349433	0.008317146	0.001140689	0.001958075	0.000785272	0.394827545	2.14573E-06	0.000588442	0.001307123	0.002763575	0.00223577
2111 Aug	0.103877187	9.9988E-06	3.028617382	27.21310997	0.128219053	0.002046875	184.2314453	0.013552876	0.008292097	0.001141084	0.00196402	0.00078782	0.395577997	2.14228E-06	0.00058952	0.001304781	0.002762537	0.002244507
2111 Sep	0.103331864	1.00006E-05	3.037197828	27.41950035	0.12884064	0.002064149	186.0851288	0.013689655	0.008273116	0.001147725	0.001981183	0.000794812	0.398364007	2.14174E-06	0.000593736	0.001308887	0.002771278	0.0022654
2111 Oct	0.102395125	9.96171E-06	3.029309988	27.4458065	0.128440589	0.002067146	186.3193359	0.013690005	0.008237795	0.001144206	0.001981638	0.000794944	0.397822469	2.13494E-06	0.000593722	0.001303839	0.002764185	0.00226794
2111 Nov	0.101829693	9.93727E-06	3.023579359	27.44705009	0.128129482	0.002068041	186.365448	0.013681885	0.008218702	0.001141473	0.001980717	0.00079456	0.397296131	2.13099E-06	0.000593412	0.001300161	0.002759058	0.002267933
2111 Dec	0.101810373	9.93752E-06	3.02499938	27.47142601	0.128221497	0.002069919	186.5775909	0.013696959	0.008218076	0.001142437	0.001982709	0.000795354	0.39763394	2.13117E-06	0.000593919	0.00130095	0.002760405	0.002270218
2112 Jan	0.101805881	9.93761E-06	3.025591612	27.48117828	0.128260747	0.002070653	186.6617126	0.013702977	0.00821777	0.001142838	0.001983507	0.000795673	0.39777109	2.13123E-06	0.000594122	0.001301291	0.002760954	0.002271129
2112 Feb	0.101806752	9.93791E-06	3.026072741	27.48848724	0.128291458	0.002071198	186.7232971	0.013707399	0.008217768	0.001143143	0.001984098	0.000795908	0.397874743	2.13132E-06	0.000594272	0.001301564	0.002761397	0.002271803
2112 Mar	0.10182967	9.94026E-06	3.02700901	27.49865532	0.128337175	0.002071963	186.7993317	0.013712944	0.00821957	0.001143568	0.00198487	0.000796217	0.39802137	2.13183E-06	0.000594489	0.001302005	0.002762254	0.002272686
2112 Apr	0.101898842	9.94701E-06	3.029123545	27.51828957	0.128428563	0.002073441	186.9345551	0.013722864	0.008225117	0.001144386	0.001986297	0.000796789	0.398305714	2.13328E-06	0.000594912	0.001302926	0.002764183	0.002274319
2112 May	0.102767408	9.95239E-06	3.03110528	27.49264145	0.128778651	0.002069585	186.6651459	0.013703377	0.008245307	0.001147661	0.001983551	0.000795878	0.398320943	2.13458E-06	0.000593776	0.00130716	0.002765259	0.002269868
2112 Jun	0.103134103	9.8377E-06	2.974569798	26.80686188	0.126316011	0.002009042	180.6186066	0.013233255	0.008179103	0.001122714	0.001924005	0.000771808	0.387435824	2.11138E-06	0.000576257	0.001287144	0.002718653	0.002200994
2112 Jul	0.102906227	9.86423E-06	2.978976965	26.91627693	0.126534849	0.002016497	181.4083405	0.013289442	0.008183937	0.001124772	0.00193274	0.000774922	0.388490349	2.11603E-06	0.000578242	0.001289857	0.002729711	0.002211565
2112 Aug	0.103085607	9.91306E-06	3.002196312	27.23143196	0.127811611	0.002040798	183.9095306	0.013476127	0.008206876	0.001137148	0.001957736	0.000784965	0.392958194	2.12547E-06	0.000584862	0.001301226	0.002751773	0.002241007
2112 Sep	0.102713831	9.92411E-06	3.021716595	27.58611107	0.129144087	0.002068785	186.9961853	0.013705511	0.008193253	0.001150915	0.001987326	0.000796858	0.397986829	2.12696E-06	0.000592271	0.001312207	0.002770821	0.00227584
2112 Oct	0.102355056	9.92078E-06	3.032757998	27.81732178	0.129971132	0.002087306	189.063858	0.013858157	0.008179301	0.001159697	0.002006822	0.000804671	0.401234835	2.12585E-06	0.000597098	0.001318941	0.00278174	0.002298834
2112 Nov	0.102273077	9.92201E-06	3.038363457	27.91629219	0.130349189	0.002094973	189.9278564	0.01392073	0.008176266	0.001163644	0.002015007	0.000807942	0.402624935	2.12632E-06	0.00059916	0.001322171	0.002787149	0.002308296
2112 Dec	0.102271691	9.9227E-06	3.039213657	27.92937851	0.130402237	0.002095969	190.0392151	0.013928784	0.008176357	0.001164187	0.002016076	0.000808368	0.402810991	2.1265E-06	0.000599435	0.001322642	0.002787958	0.002309519
2113 Jan	0.102264136	9.92278E-06	3.040007114	27.94283867	0.130456492	0.002096986	190.1565399	0.013937256	0.008175852	0.001164748	0.002017192	0.000808813	0.403001964	2.12657E-06	0.000599714	0.001323113	0.002788715	0.002310793
2113 Feb	0.102267683	9.92307E-06	3.040175915	27.94492149	0.130466193	0.002097141	190.1731415	0.013938468	0.008176057	0.001164838	0.002017355	0.000808878	0.403032601	2.12663E-06	0.000599757	0.001323203	0.002788866	0.002310979
2113 Mar	0.102303252	9.92663E-06	3.041436434	27.9578228	0.130524948	0.00209811	190.2664337	0.013945282	0.00817888	0.001165377	0.002018317	0.000809264	0.403218299	2.12741E-06	0.000600032	0.001323782	0.002790028	0.00231208
2113 Apr	0.102371678	9.93326E-06	3.043498755	27.97699738	0.130614385	0.002099548	190.3978882	0.013954915	0.008184327	0.001166178	0.002019706	0.000809821	0.403494984	2.12883E-06	0.000600442	0.001324686	0.002791919	0.002313672
2113 May	0.103106894	9.94536E-06	3.047213316	27.97909355	0.131007105	0.002098553	190.384201	0.013958076	0.00820543	0.001169884	0.002019728	0.000809993	0.403948009	2.13085E-06	0.000600145	0.001329118	0.002794859	0.002312689
2113 Jun	0.104071483	9.91097E-06	3.020112276	27.57170296	0.129892901	0.002063196	186.7859497	0.01369213	0.008203943	0.001158175	0.00198506	0.000796199	0.398201168	2.12223E-06	0.000590079	0.001321052	0.002771523	0.002271756
2113 Jul	0.104370967	9.96229E-06	3.032714367	27.72176361	0.130489245	0.002074529	187.875473	0.013777073	0.008236399	0.001163717	0.001996762	0.000800824	0.400295049	2.13155E-06	0.000593211	0.001326783	0.002785655	0.002285716
2113 Aug	0.104491055	1.00037E-05	3.049782753	27.96452713	0.131447136	0.00209325	189.8056793	0.01392333	0.008254549	0.001173068	0.00201616	0.000808621	0.403722435	2.13894E-06	0.000598266	0.001335109	0.002802558	0.002308843
2113 Sep	0.104049928	1.00046E-05	3.054812431	28.1174202	0.131906256	0.00210663	191.2023926	0.014032977	0.008240895	0.001177956	0.002029434	0.000814028	0.405879885	2.13688E-06	0.000601441	0.001338194	0.002808227	0.002325475
2113 Oct	0.102873899	9.9542E-06	3.038986206	28.0714016	0.131139398	0.002105991	191.0219574	0.014010007	0.008201084	0.001171194	0.002025287	0.000812418	0.404513896	2.12603E-06	0.000600076	0.001329363	0.002794367	0.002323007
2113 Nov	0.10256245	9.94361E-06	3.036048412	28.07549095	0.130963415	0.002107174	191.1019745	0.014009434	0.008195241	0.00116971	0.002025099	0.000812357	0.404299051	2.1245E-06	0.00060001	0.001327265	0.002791877	0.00232332
2113 Dec	0.102560289	9.94434E-06	3.036957026	28.08978271	0.131021082	0.002108267	191.22435	0.014018294	0.008195347	0.001170302	0.00202627	0.000812825	0.404502451	2.1247E-06	0.000600308	0.001327776	0.002792756	0.00232466
2114 Jan	0.102559261	9.94451E-06	3.037350655	28.09614563	0.131047472	0.002108749	191.2793427	0.014022279	0.008195271	0.001170569	0.002026794	0.000813034	0.404593647	2.12475E-06	0.000600439	0.001328008	0.00279313	0.002325258
2114 Feb	0.102562368	9.94464E-06	3.037415743	28.09678459	0.131051451	0.002108794	191.2842407	0.014022646	0.008195396	0.001170601	0.002026842	0.000813053	0.404604256	2.12478E-06	0.000600452	0.001328045	0.00279318	0.002325312
2114 Mar	0.102582857	9.94651E-06	3.037988663	28.10198593	0.13107644	0.002109183	191.3194733	0.014025236	0.008196963	0.00117082	0.002027215	0.000813204	0.404679984	2.12518E-06	0.000600563	0.001328299	0.0027937	0.002325739
2114 Apr	0.102632411	9.95125E-06	3.039436817	28.11532593	0.13113907	0.002110184	191.4101868	0.01403189	0.008200882	0.001171377	0.002028177	0.000813589	0.404872566	2.12619E-06	0.000600848	0.001328933	0.002795028	0.002326841
2114 May	0.103333786	9.94441E-06	3.039812565	28.09482384	0.13144882	0.002106307	191.16922	0.014010997	0.008207889	0.001174315	0.002025519	0.000812679	0.404769003	2.12521E-06	0.000599648	0.001332564	0.002794552	0.002322808
2114 Jun	0.104372285	9.95096E-06	3.037382126	28.01252174	0.131615683	0.002096516	190.2593231	0.013942285	0.008228512	0.001175353	0.002017195	0.000809419	0.403718948	2.12603E-06	0.000596788	0.0013359	0.002793681	0.002312167
2114 Jul	0.104881316	1.00205E-05	3.060119867	28.27913666	0.132751569	0.002116568	192.2417755	0.014091775	0.008275028	0.001185993	0.00203785	0.000817628	0.407498956	2.13964E-06	0.000602368	0.001346893	0.002816846	0.002336311
2114 Aug	0.105356999	1.00875E-05	3.087572575	28.61738586	0.134185076	0.002142248	194.8479767	0.014284421	0.008318123	0.00119969	0.002064107	0.000828155	0.412303835	2.15348E-06	0.00060943	0.001360233	0.002843098	0.002366905
2114 Sep	0.104765169	1.00836E-05	3.0920012	28.78907776	0.13468118	0.002157554	196.486908	0.014413008	0.008297855	0.001205178	0.002079376	0.000834397	0.414755315	2.15017E-06	0.000612965	0.001363312	0.002848816	0.002385966
2114 Oct	0.104092158	1.0065E-05	3.094630003	28.95841217	0.135147095	0.002172963	198.2054443	0.014545051	0.008274457	0.001210749	0.002094834	0.000840672	0.417191356	2.1445E-06	0.000616481	0.00136626	0.002852971	0.002404908
2114 Nov	0.103459865	1.00403E-05	3.091380835	29.01929092	0.135121614	0.002179291	198.9065552	0.014592867	0.008252386	0.001211218	0.002100185	0.00084285	0.417807698	2.13923E-06	0.000617588	0.00136496	0.002850931	0.002411994
2114 Dec	0.103423901	1.00397E-05	3.092444181	29.04177284	0.135198042	0.002181044	199.1055908	0.014606802	0.008251047	0.001212039	0.002102014	0.000843579	0.418105125	2.13921E-06	0.000618038	0.001365586	0.002852015	0.002414128
2115 Jan	0.103421062	1.00399E-05	3.093012333	29.05130768	0.135237038	0.002181763	199.1880493	0.014612753	0.008250857	0.001212436	0.002102797	0.000843891	0.41824019	2.13929E-06	0.000618233	0.001365928	0.002852569	0.002415025
2115 Feb	0.10342098	1.00401E-05	3.093477726	29.05879784	0.135268182	0.00218232	199.2514801	0.014617295	0.00825079	0.001212746	0.002103402	0.000844132	0.418345153	2.13937E-06	0.000618384	0.001366204	0.002853015	0.002415719
2115 Mar	0.103430204	1.00411E-05	3.093953133	29.06464195	0.135294065	0.002182757	199.2971344	0.014620613	0.008251476	0.001212991	0.002103855	0.000844314	0.418428838	2.13959E-06	0.000618504	0.001366448	0.002853459	0.002416239

Appendix D.2-21: PUMP01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.103498407	1.00476E-05	3.095977545	29.08363914	0.135382935	0.002184183	199.427475	0.014630179	0.008256869	0.001213786	0.00210523	0.000844866	0.418702871	2.14098E-06	0.000618908	0.001367345	0.002855323	0.002417817
2115 May	0.104423858	1.00476E-05	3.087795734	28.89428902	0.135096699	0.002168004	197.7540283	0.01451253	0.008277383	0.00121046	0.002089309	0.000838709	0.416472226	2.13987E-06	0.000614435	0.001365956	0.002846403	0.002398399
2115 Jun	0.105624177	1.00788E-05	3.089104414	28.80343628	0.135229573	0.002158951	196.7504272	0.014442116	0.008321958	0.001210896	0.002080448	0.000835322	0.415547729	2.14556E-06	0.000611955	0.001368929	0.002847217	0.002387099
2115 Jul	0.106101409	1.01419E-05	3.105035543	28.97455788	0.13595666	0.002171888	197.931076	0.014534581	0.008365138	0.001217445	0.002093296	0.000840467	0.417968035	2.15718E-06	0.000615534	0.001375896	0.002863306	0.002402609
2115 Aug	0.105488323	1.01401E-05	3.098400116	28.98480034	0.135766163	0.002174223	198.1585999	0.014565084	0.008337976	0.001215946	0.002095549	0.000841519	0.418066651	2.15259E-06	0.00061561	0.001372238	0.002859499	0.00240728
2115 Sep	0.105088457	1.015E-05	3.10874486	29.20937538	0.13654536	0.002192711	200.1678162	0.014717732	0.008325058	0.001224067	0.002114606	0.000849266	0.421250701	2.15316E-06	0.000620171	0.001378089	0.002870849	0.002430288
2115 Oct	0.104772516	1.0148E-05	3.118252516	29.41464043	0.137254283	0.002208822	201.961853	0.014847241	0.00831352	0.001231529	0.002131453	0.000855992	0.424001455	2.15284E-06	0.000624285	0.001383925	0.002880808	0.0024503
2115 Nov	0.104377508	1.0134E-05	3.116925478	29.46196938	0.137249827	0.002213337	202.4476929	0.014877761	0.008301435	0.0012319	0.00215516	0.00085748	0.42442295	2.15032E-06	0.000625103	0.001383253	0.002880249	0.002455165
2115 Dec	0.104355104	1.01339E-05	3.117427349	29.4737072	0.137285411	0.002214297	202.5526581	0.014885076	0.008301092	0.001232288	0.002136105	0.000857859	0.424575061	2.15035E-06	0.000625336	0.001383535	0.002880792	0.002456285
2116 Jan	0.104348555	1.0134E-05	3.118263006	29.48828125	0.13734445	0.002215395	202.6794128	0.014894225	0.008300657	0.001232894	0.002137307	0.000858339	0.424780518	2.15044E-06	0.000625631	0.001384051	0.002881626	0.002457665
2116 Feb	0.104355603	1.01346E-05	3.11854887	29.49175453	0.13736096	0.002215652	202.7067413	0.014896222	0.008301067	0.001233045	0.002137576	0.000858447	0.424831569	2.15056E-06	0.000625702	0.001384206	0.002881885	0.002457972
2116 Mar	0.104368076	1.01357E-05	3.118887186	29.49489403	0.137376457	0.002215886	202.7283936	0.014897821	0.008301965	0.00123318	0.002137804	0.000858538	0.424877912	2.15079E-06	0.000625768	0.001384361	0.002882189	0.002458232
2116 Apr	0.104432389	1.01418E-05	3.120782852	29.51274681	0.137460142	0.002217226	202.8509521	0.014906834	0.008307029	0.001233928	0.002139097	0.000859057	0.425135732	2.15209E-06	0.000626146	0.001385205	0.002883936	0.002459718
2116 May	0.105056033	1.01453E-05	3.129198074	29.61688232	0.138243437	0.002223408	203.7346497	0.014969438	0.008317764	0.001241843	0.002147209	0.00086243	0.426888406	2.1536E-06	0.000627723	0.001393018	0.002891916	0.002467859
2116 Jun	0.105458118	1.00486E-05	3.085346699	29.06507111	0.136267111	0.00217359	198.7492981	0.014572768	0.008263722	0.001221724	0.002097969	0.000842476	0.417913616	2.13509E-06	0.000613574	0.001377103	0.002854131	0.002410377
2116 Jul	0.105858579	1.01121E-05	3.101406813	29.24536705	0.136973426	0.002186659	199.9631805	0.014662126	0.008306978	0.001227955	0.002111318	0.000847613	0.420240194	2.14768E-06	0.000617206	0.001384719	0.002873043	0.002426042
2116 Aug	0.10621161	1.01675E-05	3.121698856	29.49686241	0.138026878	0.00220597	201.8728333	0.014805208	0.008341216	0.001237864	0.002130726	0.000855426	0.423798382	2.15853E-06	0.000622398	0.001394455	0.002892732	0.002449015
2116 Sep	0.105489209	1.01531E-05	3.11967206	29.60063171	0.138197348	0.002216569	202.9836426	0.014897298	0.008315726	0.001240169	0.00214078	0.00085958	0.425265938	2.15236E-06	0.000624475	0.001394525	0.002892888	0.002462474
2116 Oct	0.104634002	1.01242E-05	3.112487555	29.64926147	0.13801904	0.002223737	203.7351532	0.014952941	0.008294315	0.001239466	0.002145947	0.000861766	0.425798833	2.14521E-06	0.000625361	0.001391445	0.002888272	0.002469795
2116 Nov	0.104521498	1.01239E-05	3.114970207	29.70881653	0.138200074	0.002228699	204.2792816	0.014991131	0.008293332	0.001241466	0.002150803	0.000863719	0.426587015	2.14541E-06	0.000626545	0.001392873	0.002891065	0.002475525
2116 Dec	0.1045096	1.01241E-05	3.115987539	29.72717094	0.138272852	0.002230089	204.4400635	0.015002747	0.008292685	0.001242225	0.002152325	0.000864326	0.426844776	2.1455E-06	0.000626917	0.001393506	0.002892108	0.002477277
2117 Jan	0.104505859	1.01241E-05	3.116394997	29.73446846	0.138302401	0.002230639	204.503891	0.015007354	0.008292425	0.001242529	0.002152929	0.000864567	0.426947653	2.14554E-06	0.000627063	0.001393764	0.002892518	0.00247797
2117 Feb	0.10450729	1.01242E-05	3.116479874	29.7357254	0.138308406	0.00223073	204.5144653	0.015008116	0.008292448	0.001242583	0.002153029	0.000864607	0.426966071	2.14555E-06	0.000627088	0.001393818	0.002892594	0.002478084
2117 Mar	0.104522087	1.01255E-05	3.116896391	29.739645	0.138327196	0.002231023	204.5413513	0.015010095	0.008293564	0.001242749	0.002153312	0.00086472	0.427023023	2.14584E-06	0.00062717	0.001394007	0.002892975	0.002478409
2117 Apr	0.104605004	1.01335E-05	3.119352341	29.76302528	0.138436317	0.002232776	204.7020721	0.015021892	0.008300108	0.001243728	0.002155004	0.0008654	0.427359134	2.14753E-06	0.000627663	0.001395107	0.002895251	0.002480356
2117 May	0.105362102	1.0146E-05	3.117844343	29.67201233	0.138427764	0.002224754	203.8509521	0.014964194	0.008324409	0.001243203	0.002147185	0.000862424	0.426448286	2.14932E-06	0.000625494	0.001396018	0.002892927	0.002470507
2117 Jun	0.106482513	1.01467E-05	3.102534056	29.3608036	0.137672707	0.00219793	201.0011139	0.014755303	0.008350799	0.001234826	0.002120279	0.000851749	0.422247618	2.14842E-06	0.000618141	0.001391219	0.00287877	0.002438201
2117 Jul	0.106966093	1.02096E-05	3.119589567	29.55106926	0.138488695	0.00221227	202.365387	0.014860056	0.008394627	0.001242323	0.002134781	0.000857532	0.424947083	2.16038E-06	0.000622079	0.001399169	0.002896535	0.002455367
2117 Aug	0.1071041	1.02487E-05	3.131484985	29.71565819	0.139131114	0.002225122	203.6179199	0.014957501	0.008413685	0.001248355	0.002147688	0.000862748	0.427249044	2.16695E-06	0.000625424	0.001404763	0.002908788	0.002471199
2117 Sep	0.106993906	1.02654E-05	3.141286135	29.89250565	0.139784634	0.002239251	205.0909119	0.015069447	0.008416192	0.001254845	0.002162132	0.000868563	0.429712355	2.16926E-06	0.000628994	0.001410311	0.002919126	0.002488744
2117 Oct	0.10658595	1.02543E-05	3.138661146	29.93466568	0.139803484	0.002244402	205.636322	0.015114647	0.008405833	0.001255541	0.00216665	0.00087045	0.430349499	2.1655E-06	0.00062985	0.001409754	0.002918071	0.002494803
2117 Nov	0.106472902	1.02513E-05	3.137699127	29.9426651	0.139792398	0.002245579	205.7556763	0.01512499	0.008403196	0.001255564	0.002167602	0.000870854	0.430474967	2.16443E-06	0.000630014	0.001409452	0.002917548	0.002496153
2117 Dec	0.106456101	1.02516E-05	3.13884306	29.96431351	0.139876395	0.002247241	205.9458466	0.015138832	0.008402493	0.001256441	0.002169402	0.000871573	0.430778265	2.16453E-06	0.000630449	0.001410178	0.002918756	0.002498244
2118 Jan	0.106453903	1.02517E-05	3.139260054	29.97163582	0.13990657	0.002247794	206.0097351	0.015143459	0.008402335	0.001256748	0.002170006	0.000871814	0.430882215	2.16458E-06	0.000630595	0.001410443	0.002919178	0.002498938
2118 Feb	0.106458634	1.02519E-05	3.13932991	29.97211456	0.139910355	0.002247827	206.0127563	0.015143697	0.008402553	0.001256774	0.002170038	0.000871828	0.430890948	2.16462E-06	0.000630604	0.001410481	0.002919229	0.002498973
2118 Mar	0.106467262	1.02526E-05	3.13954258	29.97402191	0.13992013	0.002247968	206.02565	0.015144653	0.008403149	0.001256857	0.002170174	0.000871883	0.430919379	2.16476E-06	0.000630644	0.00141058	0.002919419	0.002499128
2118 Apr	0.106611177	1.02577E-05	3.141168356	29.9817009	0.140011534	0.002248436	206.0613708	0.015147956	0.008409119	0.00125737	0.002170605	0.000872068	0.431092799	2.16577E-06	0.000630781	0.001411511	0.002920402	0.002499559
2118 May	0.10809876	1.02414E-05	3.123385429	29.60825348	0.139328778	0.002217089	202.8579102	0.014920981	0.00843343	0.001249442	0.002139701	0.000860044	0.426642329	2.16082E-06	0.000622213	0.001407125	0.002900371	0.002461853
2118 Jun	0.108773559	1.01678E-05	3.077622414	28.93306923	0.136936396	0.002159639	196.7782898	0.014458057	0.008403784	0.00122462	0.002080966	0.000836472	0.416397363	2.14504E-06	0.000606349	0.001387307	0.002856744	0.002393727
2118 Jul	0.109417975	1.02426E-05	3.09931159	29.1660862	0.137966931	0.002177056	198.4394379	0.014582854	0.00845925	0.001234037	0.00209853	0.000843451	0.41969952	2.15999E-06	0.000611161	0.001397671	0.002879103	0.002414158
2118 Aug	0.109014533	1.02604E-05	3.106729984	29.35651588	0.138573512	0.002192726	200.0893555	0.014713576	0.008447015	0.001240222	0.002114708	0.000850039	0.422317117	2.16084E-06	0.000614886	0.00140181	0.002888661	0.002434633
2118 Sep	0.107719004	1.02197E-05	3.095736027	29.41045761	0.138269141	0.00220017	200.8674469	0.014773075	0.008397168	0.001238214	0.002120349	0.000852416	0.422656178	2.14996E-06	0.000615633	0.001396686	0.002881398	0.002443796
2118 Oct	0.106494561	1.01719E-05	3.085916996	29.4541378	0.137774155	0.002205016	201.3208771	0.014783426	0.008355295	0.001234137	0.002122079	0.000853016	0.4221358	2.14202E-06	0.000615859	0.001390454	0.002873767	0.002447909
2118 Nov	0.106183529	1.01615E-05	3.085738897	29.50206375	0.137796193	0.002208943	201.7425995	0.014807506	0.008344792	0.001234605	0.002125436	0.000854327	0.422501445	2.14062E-06	0.000616645	0.001390202	0.002874162	0.002452291
2118 Dec	0.106187046	1.01621E-05	3.085958242	29.50500107	0.137808219	0.002209179	201.7667236	0.014809284	0.008345245	0.001234724	0.002125669	0.000854421	0.422544152	2.14073E-06	0.000616705	0.001390314	0.002874384	0.00245256
2119 Jan	0.106184557	1.01623E-05	3.08642292	29.51329041	0.137842163	0.002209803	201.8387756	0.014814504	0.008345086	0.00123507	0.002126351	0.000854694	0.422661006	2.1408E-06	0.000616869	0.001390613	0.002874869	0.002453348
2119 Feb	0.106185794	1.01626E-05	3.086818695	29.51977921	0.137869716	0.002210287	201.8939362	0.014818507	0.008345122	0.001235344	0.002126879	0.000854904	0.422753006	2.14088E-06	0.000616997	0.00139086	0.00287527	0.002453956
2119 Mar	0.106211625	1.0165E-05	3.087551594	29.52678871	0.13790305	0.002210811	201.9421082	0.014822047	0.008347086	0.00123564	0.002127385	0.000855108	0.422854155	2.14138E-06	0.000617143	0.001391195	0.002875948	0.002454538
2119 Apr	0.10669335	1.0175E-05	3.091024399	29.52805328	0.138136476	0.002210429	201.8799744	0.014819914	0.008362712	0.001236452	0.002126928	0.000854972	0.42312324	2.14325E-06	0.000617058	0.00139358	0.002876962	0.002453738
2119 May	0.109304741	1.01314E-05	3.06857729	28.98544884	0.137352109	0.002162929	196.9562073	0.014457114	0.008391858	0.00122173	0.002078672	0.000836008	0.416449577	2.13397E-06	0.0006041	0.001388371	0.002842304	0.002395608
2119 Jun	0.109327659	1.01171E-05	3.055660486	28.82487297	0.136663854	0.002148086	195.3561249	0.014332391	0.008378828	0.001214484	0.002063975	0.000829889	0.413581073	2.13025E-06	0.00059998	0.001383096	0.002833196	0.00237912
2119 Jul	0.10981863	1.01861E-05	3.076999426	29.08571625	0.137774453	0.002167531	197.3069916	0.014479146	0.008425402	0.001224868	0.002084345	0.000837911	0.417236447	2.14375E-06	0.000605276	0.001394274	0.002857086	0.002402784
2119 Aug	0.109822199	1.02286E-05	3.089570284	29.28199959	0.138498157	0.002183353	198.8448181	0.014600267	0.008440466	0.001231696	0.002099999	0.000844285	0.419972897	2.15024E-06	0.000609197	0.001400255	0.002870669	0.002422327
2119 Sep	0.109074034	1.02164E-05	3.089155674	29.41339684	0.13878651	0.002195712	200.2151337	0.014709678	0.008411716	0.001235353	0.002112404	0.000849388	0.421812832	2.14524E-06	0.000611729	0.001401293	0.002873347	0.002438289
2119 Oct	0.108334444	1.0192E-05	3.085200787	29.48323822	0.138727978	0.002202645	200.9584656	0.014759889	0.008386716	0.001235525	0.002118274	0.000851737	0.422402382	2.13988E-06	0.000612892	0.001399663	0.002871594	0.002446438
2119 Nov	0.107986487	1.01791E-05	3.082804441	29.50218964	0.138619393	0.002204515	201.1485596	0.014767947	0.008374628	0.001234745	0.002119405	0.000852163	0.422365308	2.13767E-06	0.000613102	0.001398197	0.002869948	0.002448327
2119 Dec	0.107982211	1.01796E-05	3.083560944	29.51548386	0.138672501	0.002205525	201.2635803	0.014776278	0.00837456	0.001235293	0.002120498	0.000852599	0.422551602	2.13781E-06	0.000613367	0.001398667	0.002870752	0.00244959

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.024	0.000022	0.0000065	0.00000017	0.0062	0.0000	0.0021	1.7E-07	1.7E-07	8.5E-10	1.0E-06	4.8E-07	1.2E-06	1.2E-05	8.5E-10	9.8E-03	3.4E-09	1.2E-07	2.0E-07	3.2E-07
Operations (2020-2043): Mean	967	1.2	1.5	0.051	367	0.13	329	4.6E-04	4.6E-04	2.5E-06	1.0E-02	3.4E-03	2.0E-01	1.4E-02	4.6E-06	8.0E+01	7.4E-05	3.8E-04	5.8E-04	4.3E-03
Operations (2020-2043): Max	1676	2.2	2.9	0.10	717	0.18	504	5.7E-04	5.7E-04	3.0E-06	1.3E-02	4.8E-03	3.0E-01	2.1E-02	5.3E-06	1.2E+02	1.1E-04	4.8E-04	7.9E-04	6.3E-03
Active Closure (2044-2050): Min	164	0.13	0.16	0.0063	47	0.044	65	5.0E-04	5.0E-04	2.7E-06	4.3E-03	8.4E-04	4.1E-02	8.8E-03	4.7E-06	2.1E+01	1.9E-05	1.2E-04	1.8E-04	1.4E-03
Active Closure (2044-2050): Mean	299	0.27	0.34	0.012	89	0.061	120	8.2E-04	8.2E-04	4.2E-06	5.5E-03	1.4E-03	7.3E-02	9.9E-03	4.9E-06	3.3E+01	3.0E-05	1.8E-04	2.6E-04	2.0E-03
Active Closure (2044-2050): Max	817	0.80	1.0	0.035	255	0.12	330	9.1E-04	9.1E-04	4.6E-06	1.0E-02	3.4E-03	2.0E-01	1.4E-02	5.0E-06	8.0E+01	7.5E-05	3.9E-04	5.9E-04	4.3E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Post Closure (2051-2119): Min	150	0.10	0.091	0.0038	35	0.044	57	9.0E-04	9.0E-04	4.5E-06	4.3E-03	8.5E-04	3.8E-02	8.9E-03	4.9E-06	2.1E+01	1.9E-05	1.2E-04	1.8E-04	1.4E-03
Post Closure (2051-2119): Mean	157	0.11	0.12	0.0050	40	0.044	61	9.4E-04	9.4E-04	4.7E-06	5.4E-03	1.1E-03	4.0E-02	1.4E-02	5.1E-06	2.4E+01	2.1E-05	1.8E-04	2.4E-04	1.5E-03
Post Closure (2051-2119): Max	165	0.13	0.16	0.0063	47	0.045	65	9.7E-04	9.7E-04	4.9E-06	6.2E-03	1.3E-03	4.1E-02	1.8E-02	5.2E-06	2.6E+01	2.3E-05	2.3E-04	2.9E-04	1.5E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2119)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0.024488011	2.17367E-05	6.538E-06	1.69818E-07	0.006215348	3.39636E-06	0.002122728	1.69818E-07	1.69818E-07	8.49091E-10	1.00193E-06	4.75491E-07	1.17175E-06	1.23118E-05	8.49091E-10	0.009764548	3.39636E-09	1.18873E-07	2.03782E-07	3.22655E-07
2033 Feb	0.117405236	0.000104215	3.13458E-05	8.14176E-07	0.029798843	1.62835E-05	0.010177201	8.14176E-07	8.14176E-07	4.07088E-09	4.80364E-06	2.27969E-06	5.61781E-06	5.90278E-05	4.07088E-09	0.04681512	1.62835E-08	5.69923E-07	9.77011E-07	1.54693E-06
2033 Mar	0.226098955	0.000200696	6.03657E-05	1.56794E-06	0.057386599	3.13588E-05	0.01959925	1.56794E-06	1.56794E-06	7.8397E-09	9.25085E-06	4.39023E-06	1.08188E-05	0.000113676	7.8397E-09	0.09015654	3.13588E-08	1.09756E-06	1.88153E-06	2.97909E-06
2033 Apr	0.332475096	0.000295121	8.87668E-05	2.30563E-06	0.084386125	4.61126E-05	0.028820399	2.30563E-06	2.30563E-06	1.15282E-08	1.36032E-05	6.45577E-06	1.59089E-05	0.000167158	1.15282E-08	0.132573828	4.61126E-08	1.61394E-06	2.76676E-06	4.3807E-06
2033 May	260.749176	0.333617687	0.408741236	0.014009725	105.8703842	0.03060437	71.88928986	0.000353278	0.000353278	1.81759E-06	0.003773902	0.001247061	0.043752912	0.015716106	2.24697E-06	27.1135788	2.15256E-05	0.000215624	0.000329321	0.001269034
2033 Jun	1195.578003	1.594942927	2.050974131	0.070116855	507.7991943	0.128851846	355.7399292	0.00043748	0.00043748	2.44863E-06	0.010315809	0.003646808	0.212049916	0.016261823	4.63946E-06	87.14568329	8.11002E-05	0.000430447	0.000671007	0.004624496
2033 Jul	1514.337524	2.028922796	2.622303724	0.089646854	646.4703979	0.163757861	454.3318481	0.000404026	0.000404026	2.35471E-06	0.011947597	0.004360618	0.27010572	0.013063584	5.16065E-06	105.3097534	9.89012E-05	0.000459162	0.000731307	0.005721584
2033 Aug	1675.909424	2.24931097	2.908629656	0.099398583	716.5376587	0.181279853	503.8815002	0.000372334	0.000372334	2.23293E-06	0.012599546	0.00475152	0.299005926	0.012763159	5.34647E-06	115.4302368	0.00010717	0.000482728	0.000785152	0.006292656
2033 Sep	1327.886353	1.802432179	2.291736603	0.078439094	566.8834839	0.151590735	397.9847717	0.00041098	0.00041098	2.34744E-06	0.01129087	0.003872607	0.237588301	0.012026239	4.80077E-06	93.15590668	8.58486E-05	0.000403745	0.000621406	0.005104846
2033 Oct	1123.072144	1.535505056	1.928311229	0.066094473	478.5509949	0.133217797	335.5023499	0.000449351	0.000449351	2.49287E-06	0.010598214	0.003374126	0.201196671	0.011971029	4.55685E-06	80.17754364	7.40887E-05	0.000360349	0.000533935	0.004414888
2033 Nov	1072.559814	1.468580484	1.837606192	0.063025236	456.6081848	0.129102677	319.9277954	0.000475993	0.000475993	2.61447E-06	0.010508193	0.003268111	0.192266896	0.012230252	4.58112E-06	77.15919495	7.13167E-05	0.000352921	0.000514938	0.004254292
2033 Dec	1071.869995	1.467674375	1.836349964	0.062982902	456.3066711	0.12905468	319.7129517	0.000476568	0.000476568	2.61718E-06	0.010508647	0.003266869	0.192145497	0.012237368	4.58248E-06	77.12059784	7.12813E-05	0.000352859	0.000514702	0.004252267
2034 Jan	1071.362061	1.466978312	1.835409403	0.06295085	456.0823975	0.129006758	319.5517883	0.000476856	0.000476856	2.6185E-06	0.010507212	0.003266124	0.192051321	0.012251731	4.58278E-06	77.09783936	7.12534E-05	0.000352888	0.000514728	0.004250784
2034 Feb	1071.122925	1.466631293	1.83494103	0.062934689	455.9736328	0.128978699	319.4718628	0.000477013	0.000477013	2.61923E-06	0.010506133	0.00326606	0.192003101	0.012268979	4.583E-06	77.09391785	7.12405E-05	0.000352993	0.000514932	0.00425021
2034 Mar	1071.191528	1.466714621	1.835026503	0.06293758	455.9990234	0.128987372	319.4876709	0.000477188	0.000477188	2.62011E-06	0.010507495	0.003266633	0.192012504	0.012280656	4.58396E-06	77.10610199	7.12466E-05	0.000353116	0.000515138	0.004250687
2034 Apr	1073.954224	1.470491171	1.839740634	0.063099235	457.1728821	0.129320264	320.3089294	0.0004785	0.0004785	2.62728E-06	0.010534988	0.003275264	0.19250603	0.012318546	4.59617E-06	77.30909729	7.14313E-05	0.000354084	0.000516566	0.004261766
2034 May	1046.800781	1.428297758	1.786522508	0.061264444	444.6846313	0.125528991	311.1460266	0.000504039	0.000504039	2.748E-06	0.01043419	0.003272555	0.187027544	0.014358403	4.6584E-06	76.88357544	7.03447E-05	0.000368975	0.000542687	0.004192806
2034 Jun	1206.346436	1.618022799	2.07191968	0.070861302	512.9818115	0.132321045	359.539978	0.000430567	0.000430567	2.41689E-06	0.010477848	0.003643168	0.214461192	0.015098928	4.63134E-06	87.16652679	8.10761E-05	0.000418348	0.000648229	0.004665937
2034 Jul	1381.321411	1.851071119	2.39529705	0.081959367	590.3795166	0.154161856	415.1550598	0.000402761	0.000402761	2.31957E-06	0.010710926	0.004000266	0.246821374	0.010928292	4.88384E-06	95.30802155	8.7781E-05	0.000391251	0.000637282	0.005260855
2034 Aug	1535.796021	2.061292171	2.665533066	0.09116523	656.8780518	0.170668587	461.9695435	0.000394145	0.000394145	2.31104E-06	0.01157448	0.004397649	0.274492919	0.011451103	5.16502E-06	105.6055908	9.65434E-05	0.000429136	0.000700981	0.005812825
2034 Sep	1319.439819	1.793437362	2.278322697	0.077978186	563.5067749	0.150907427	395.6878662	0.000395615	0.000395615	2.26894E-06	0.011170729	0.003834282	0.236058682	0.011595488	4.70826E-06	92.32245636	8.50144E-05	0.000394702	0.000611368	0.005071726
2034 Oct	1099.307495	1.505214453	1.884570837	0.064624526	468.1325378	0.131842032	328.0585632	0.000473098	0.000473098	2.606E-06	0.010669143	0.003335107	0.197024077	0.012285181	4.62303E-06	78.90557098	7.29377E-05	0.000358797	0.000525808	0.004350097
2034 Nov	1082.765015	1.4833529	1.854732633	0.063616082	460.9317932	0.130552143	322.9413147	0.000483372	0.000483372	2.65355E-06	0.010652219	0.003301906	0.194103479	0.012397303	4.63855E-06	77.93704224	7.20494E-05	0.000356679	0.00051978	0.004298708
2034 Dec	1081.559814	1.481768847	1.852538347	0.06354212	460.4050293	0.130467996	322.565979	0.000484372	0.000484372	2.65827E-06	0.010652953	0.003299734	0.193891361	0.012409662	4.64091E-06	77.86954498	7.19874E-05	0.000356571	0.000519367	0.004295163
2035 Jan	1080.723755	1.480623126	1.850993514	0.063489474	460.0362549	0.130388722	322.3011475	0.000484828	0.000484828	2.66035E-06	0.010650462	0.003298469	0.193736553	0.012432266	4.64132E-06	77.83138275	7.19414E-05	0.000356607	0.000519394	0.0042927
2035 Feb	1080.368408	1.480105281	1.850291848	0.06346526	459.8739319	0.130347013	322.1815796	0.000485086	0.000485086	2.66155E-06	0.010648961	0.003298439	0.193664417	0.012459822	4.64175E-06	77.82684326	7.19224E-05	0.000356782	0.000519729	0.004291882
2035 Mar	1080.378052	1.480101466	1.850257516	0.063464008	459.8720093	0.130348817	322.1770325	0.000485318	0.000485318	2.66271E-06	0.010650148	0.003299043	0.193661511	0.012477192	4.64286E-06	77.83901215	7.19256E-05	0.000356944	0.000520009	0.004292243
2035 Apr	1084.21167	1.485343814	1.856794	0.063688166	461.5003662	0.130811706	323.315979	0.00048717	0.00048717	2.6728E-06	0.010688561	0.003311078	0.19434607	0.012531315	4.65994E-06	78.12176514	7.21822E-05	0.000358301	0.000522011	0.004307658
2035 May	1093.214966	1.494896412	1.869768262	0.064121224	464.9690857	0.131299406	325.5852661	0.000500361	0.000500361	2.74033E-06	0.01078392	0.003368106	0.195647135	0.013604218	4.74067E-06	79.38771057	7.30194E-05	0.000370976	0.000544035	0.004354776
2035 Jun	1153.451294	1.543381333	1.98470962	0.06793914	490.5641479	0.126636595	344.1530457	0.000452143	0.000452143	2.51373E-06	0.0103458	0.003456672	0.205925897	0.01281109	4.63563E-06	82.21824646	7.895E-05	0.000393522	0.000590339	0.004440308
2035 Jul	1306.055054	1.746955633	2.26082325	0.077406891	557.1088257	0.14376846	391.6582336	0.000455126	0.000455126	2.56413E-06	0.01110018	0.00379457	0.234032229	0.010531515	4.98362E-06	90.32991028	8.74096E-05	0.000399103	0.000605559	0.004961335
2035 Aug	1508.021118	2.028352261	2.618362665	0.089507289	645.1998901	0.165764511	453.7202759	0.00033612	0.00033612	2.01491E-06	0.011282541	0.00424882	0.269967049	0.010425167	4.8186E-06	103.4026794	9.49751E-05	0.000428279	0.000679943	0.005645486
2035 Sep	1114.422974	1.520526886	1.911049485	0.06553559	474.5779419	0.133821577	332.5606384	0.000487799	0.000487799	2.68287E-06	0.010619554	0.003385857	0.200004548	0.012369497	4.72807E-06	79.95566559	7.31853E-05	0.000365227	0.000531289	0.004396723
2035 Oct	1077.945679	1.476838946	1.845344901	0.063306123	458.7565918	0.130547151	321.357605	0.000495886	0.000495886	2.71491E-06	0.010698698	0.003301167	0.193306714	0.01257001	4.68977E-06	77.76278687	7.1812E-05	0.000357928	0.00051876	0.004289269
2035 Nov	1115.618774	1.526745439	1.913757324	0.065613121	475.2084045	0.133237824	333.0731201	0.000465859	0.000465859	2.57354E-06	0.010701147	0.003370481	0.199926868	0.01221788	4.62188E-06	79.89680481	7.38111E-05	0.000361571	0.000531937	0.004402222
2035 Dec	1112.673096	1.522844076	1.908452034	0.065433763	473.9269714	0.13300471	332.1628113	0.000467615	0.000467615	2.58164E-06	0.010697328	0.003364497	0.199406594	0.012236387	4.62428E-06	79.72319794	7.36517E-05	0.000361176	0.000530855	0.004393003
2036 Jan	1111.767212	1.521604061	1.906781912	0.065376848	473.5278625	0.13291873	331.8764343	0.000468091	0.000468091	2.58381E-06	0.010694553	0.003363085	0.199239179	0.012259637	4.62464E-06	79.68102264	7.36017E-05	0.000361204	0.000530864	0.004390311
2036 Feb	1111.324219	1.520965457	1.905925035	0.065347321	473.3276062	0.132867053	331.7299805	0.000468341	0.000468341	2.58495E-06	0.010692392	0.003362845	0.19915098	0.01228774	4.62485E-06	79.67121124	7.35772E-05	0.000361364	0.000531179	0.004389181
2036 Mar	1111.093994	1.520633101	1.905477762	0.065331906	473.2233582	0.132840246	331.653595	0.000468481	0.000468481	2.58559E-06	0.010691315	0.003362744	0.199104965	0.012303066	4.625E-06	79.66661072	7.35646E-05	0.000361454	0.000531354	0.004388608
2036 Apr	1116.595093	1.527284026	1.914031267	0.065621942	475.3575134	0.133434355	333.4659729	0.000469112	0.000469112	2.59007E-06	0.010728838	0.003381934	0.20016025	0.012434673	4.6406E-06	80.14402008	7.39463E-05	0.000363923	0.00053589	0.004412259
2036 May	1135.101318	1.549662828	1.942780256	0.066598557	482.5378113	0.135469928	339.5301208	0.000473335	0.000473335	2.61562E-06	0.010870518	0.003447749	0.203711018	0.012892258	4.70336E-06	81.75666046	7.52686E-05	0.000372536	0.000551138	0.004492552
2036 Jun	1038.024902	1.322463274	1.70042181	0.058312535	420.18927	0.123022825	330.256897	0.000481363	0.000481363	2.64977E-06	0.01035805	0.003297471	0.19835034	0.010813847	4.68729E-06	77.86688232	7.68088E-05	0.000369951	0.000533918	0.004254187
2036 Jul	1211.828003	1.528485894	1.978527546	0.067782499	488.0107422	0.146692663	392.2216187	0.0004325	0.0004325	2.45135E-06	0.010486173	0.003813973	0.233671933	0.01055996	4.87373E-06	90.2554245	8.40028E-05	0.000376432	0.000601049	0.004993899
2036 Aug	1381.19873	1.746236086	2.258722782	0.077313751	556.9293213	0.166100338	447.7843018	0.00040594	0.00040594	2.35956E-06	0.011342657	0.004279405	0.266209155	0.011143918	5.12589E-06	102.373764	9.38402E-05	0.000416085	0.000677524	0.005647648
2036 Sep	1390.996582	1.774202108	2.274392843	0.077781148	561.2831421	0.166076526	451.1491089	0.000321786	0.000321786	1.94117E-06	0.011406017	0.004229351	0.268072128	0.010708939	4.72745E-06	103.0750122	9.44591E-05	0.000421617	0.000678004	0.005645535
2036 Oct	1031.294678	1.334449172	1.664880276	0.057141289	414.1863708	0.133137628	331.4701233	0.000479159	0.000479159	2.63883E-06	0.010725936	0.003370125	0.199079305	0.012362225	4.67704E-06	79.67010498	7.35525E-05	0.000361831	0.000530794	0.004392395
2036 Nov	1056.40918	1.366125703	1.707537532	0.058581229	424.4863586	0.135289878	339.856781	0.000462135	0.000462135	2.55996E-06	0.010774771	0.003424624	0.20386675	0.012199679	4.65059E-06	81.28061676	7.50614E-05	0.000365603	0.000540855	0.004477829
2036 Dec	1055.376343	1.364865065	1.705914736	0.058524705	424.0778809	0.135124862	339.5328674	0.000460623	0.000460623	2.55217E-06	0.010760625	0.003420286	0.203663647	0.01217526	4.64081E-06	81.1931839	7.49876E-05	0.00036512	0.000540256	0.004472883
2037 Jan	1053.774292	1.362804055	1.703115463	0.058429338	423.4121704	0.134961486	338.9833069	0.000461574	0.000461574	2.55651E-06	0.010755644	0.003417624	0.203342661	0.012220815	4.64169E-06	81.11303711	7.48922E-05	0.000365185	0.000540284	0.004467758
2037 Feb	1053.0896	1.361866832	1.701836586	0.058385178	423.1181641	0.134875149	338.7330322	0.000462104	0.000462104	2.55897E-06	0.010752579	0.00341747	0.203191996	0.01227562	4.64254E-06	81.10144806	7.48521E-05	0.000365524	0.00054093	0.004465996
2037 Mar	1053.789917	1.362744212	1.702874184	0.058420625	423.3892212	0.134965613	338.9418945	0.000462865	0.000462865	2.56292E-06	0.010761876	0.003420872	0.203317016	0.012318088	4.64774E-06	81.17786407	7.49067E-05	0.000366082	0.000541835	0.004469591
2037 Apr	1056.704224	1.366496682	1.707529545	0.058580246	424.5541687	0.13533926	339.8698425	0.000464404	0.000464404	2.57129E-06	0.01079286	0.003430977	0.203873485	0.012371724	4.6618E-06	81.41516876	7.51165E-05	0.000367274	0.000543645	0.004482307
2037 May	872.1697998	1.099068046	1.365644217	0.046852302	342.8781128	0.112477712	279.5541382	0.000566281	0.000566281	3.03533E-06	0.009936842	0.003205375	0.168105051	0.019873682	4.74548E-06	74.27674103	6.59268E-05	0.000404181	0.000607007	0.003920696
2037 Jun	898.4949951	1.07629478	1.359076142	0.046525966	340.4914856	0.113191262	300.0951233	0.000515063	0.000515063	2.79462E-06	0.00970621	0.003376732	0.179355174	0.021094484	4.63377E-06	79.22579193	7.05439E-05	0.000433984	0.000675532	0.004115115
2037 Jul	938.6069336	1.122558594	1.422459364	0.048699278	355.5455933	0.118236162	315.2677612	0.000505879	0.000505879	2.76007E-06	0.00994365	0.00346649	0.188337535	0.02003496	4.69461E-06	81.59124756	7.33701E-05	0.000434318	0.000676018	0.004268819
2037 Aug	987.5203247	1.180706263	1.499288678	0.051316757	374.1373901	0.124227487	333.1197815	0.000489988	0.000489988	2.6939E-06	0.010173471	0.003590735	0.198791444	0.019501107	4.7398E-06	84.92378235	7.64569E-05	0.000440224	0.000689038	0.004461952
2037 Sep	1019.00885	1.218923092	1.54874742	0.053004313	386.0704956	0.128330961	344.8551331	0.00047602	0.00047602	2.6328E-06	0.010327237	0.003662879	0.20569016	0.018899644	4.75203E-06	86.94406128	7.83931E-05	0.00044169	0.000692718	0.004584634
2037 Oct	1018.733032	1.220917463	1.548205495	0.053000208	385.8145447	0.129349127	345.5997925	0.000468715	0.000468715	2.59688E-06	0.010364076	0.003640769	0.206208408	0.018051408	4.72115E-06	86.50233459	7.82108E-05	0.000432946	0.000676417	0.004583133
2037 Nov	1017.005432	1.219288111	1.545389533	0.052907765	385.1243591	0.129366145	345.0993652	0.000469274	0.000469274	2.5993E-06	0.010371027	0.003633922	0.20594047	0.01794431	4.72049E-06	86.32604218	7.80826E-05	0.000431457	0.000673293	0.004577145
2037 Dec	1016.969299	1.219257116	1.545319796	0.05290556	385.1092834	0.129370227	345.0852966	0.00046945	0.00046945	2.60017E-06	0.010372313	0.003633965	0.205933869	0.017946316	4.72127E-06	86.32498932	7.8082E-05	0.000431471	0.000673276	0.004577137
2038 Jan	1016.863342	1.219131827	1.545144081	0.052899595	385.067749	0.129359856	345.0465698	0.000469524	0.000469524	2.60051E-06	0.010372076	0.003633771	0.205911413	0.017949134	4.72136E-06	86.31910706	7.80751E-05	0.000431471	0.000673267	0.004576781
2038 Feb	1016.813904	1.2190696	1.545057058	0.052896593	385.047821	0.129353672	345.0273743	0.000469563	0.000469563	2.60069E-06	0.010371864	0.003633745	0.205899939	0.01795288	4.72142E-06	86.31789398	7.80719E-05	0.000431492	0.000673307	0.004576641
2038 Mar	1016.841675	1.219101191	1.545092702	0.052897803	385.0576782	0.129357263	345.0354614	0.000469609	0.000469609	2.60093E-06	0.010372306	0.003633926	0.205904737	0.017955888	4.72171E-06	86.32187653	7.80744E-05	0.000431527	0.000673366	0.00457681
2038 Apr	1017.588867	1.219996095	1.546224356	0.052936539	385.340271	0.129452348	345.288269	0.000469973	0.000469973	2.60293E-06	0.010380019	0.003636643	0.206055582	0.017970517	4.72526E-06	86.38623047	7.81319E-05	0.000431857	0.000673883	0.004580199
2038 May	1004.851807	1.201589584	1.521862268	0.052103229	379.5733337	0.128076702	341.1943665	0.000479704	0.000479704	2.64849E-06	0.010349804	0.003625435	0.203648701	0.018563677	4.74484E-06	85.97288513	7.75359E-05	0.000435109	0.000678968	0.004545997
2038 Jun	943.2003784	1.106153369	1.399954796	0.047932941	349.9498596	0.121663332	324.4754028	0.000494761	0.000494761	2.71132E-06	0.01006507	0.003526656	0.193749234	0.019673685	4.70317E-06	83.27106476	7.47883E-05	0.000436051	0.000680169	0.004368706
2038 Jul	953.6622925	1.116511583	1.413844466	0.048414551	353.3223267	0.123243779	328.7090454	0.000501931	0.000501931	2.7503E-06	0.010203417	0.003564646	0.196320653	0.019648056	4.76847E-06	84.1437149	7.5798E-05	0.000439488	0.00068411	0.004420245
2038 Aug	980.8515625	1.144887209	1.451359153	0.04969402	362.4011841	0.127062708	339.8244324	0.000494946	0.000494946	2.72363E-06	0.010364426	0.003645855	0.202857107	0.019392632	4.81105E-06	86.28250885	7.77544E-05	0.000444133	0.000693176	0.004542971
2038 Sep	996.9466553	1.160649896	1.471682787	0.050386988	367.2150269	0.129624128	347.2817993	0.000482396	0.000482396	2.66646E-06	0.010444513	0.003685763	0.20721893	0.018877251	4.80059E-06	87.46395111	7.89261E-05	0.000443524	0.000693446	0.00461757
2038 Oct	995.3374634	1.157678127	1.466569066	0.050218411	365.9069824	0.130067274	347.6864014	0.000479166	0.000479166	2.65063E-06	0.010459869	0.003677318	0.207487047	0.018526779	4.78745E-06	87.30099487	7.8868E-05	0.000439956	0.00068687	0.004617974
2038 Nov	995.3997803	1.15769887	1.466452003	0.050215162	365.8803101	0.130133688	347.7669678	0.000479419	0.000479419	2.65195E-06	0.010465802	0.003677748	0.207540259	0.018513212	4.78927E-06	87.30953217	7.88819E-05	0.000439865	0.00068659	0.004619081
2038 Dec	995.270874	1.157559156	1.466248631	0.050208356	365.8318176	0.130124182	347.7194519	0.000479544	0.000479544	2.65254E-06	0.010465975	0.003677448	0.207513571	0.018513933	4.78956E-06	87.30041504	7.88738E-05	0.000439842	0.000686519	0.004618627
2039 Jan	995.2040405	1.157482862	1.466141224	0.050204713	365.8064575	0.130117416	347.6943054	0.00047959	0.00047959	2.65275E-06	0.010465781	0.003677318	0.207498968	0.01851568	4.78961E-06	87.29652405	7.88693E-05	0.000439841	0.000686512	0.004618393
2039 Feb	995.1710815	1.157442808	1.466085315	0.050202783	365.7936096	0.130113155	347.6811829	0.000479614	0.000479614	2.65286E-06	0.010465647	0.003677292	0.2074911	0.018518012	4.78964E-06	87.29551697	7.8867E-05	0.000439853	0.000686536	0.004618292

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2039 Mar	995.3015137	1.157593608	1.466273427	0.05020922	365.841217	0.130130246	347.7258911	0.000479698	0.000479698	2.65331E-06	0.01046712	0.003677826	0.207517773	0.018522047	4.79036E-06	87.30799866	7.88776E-05	0.000439926	0.000686651	0.004618926
2039 Apr	995.8546753	1.158236504	1.467086196	0.050237041	366.0443115	0.130202577	347.9186707	0.000479977	0.000479977	2.65485E-06	0.010472996	0.0036799	0.20763281	0.018533256	4.79308E-06	87.35710907	7.89215E-05	0.000440178	0.000687047	0.004621509
2039 May	999.0962524	1.161710024	1.471521616	0.050388549	367.146637	0.130641207	349.1502991	0.000480941	0.000480941	2.66058E-06	0.010504681	0.003692075	0.208362162	0.01858368	4.8064E-06	87.65401459	7.91888E-05	0.000441554	0.000689312	0.004637236
2039 Jun	929.0967407	1.062660098	1.348808169	0.046243981	336.3781738	0.123692982	329.1919556	0.000499528	0.000499528	2.73898E-06	0.010269481	0.00348633	0.197010517	0.016948951	4.76294E-06	82.24862671	7.59458E-05	0.000417717	0.000636489	0.004373958
2039 Jul	915.4804077	1.028360605	1.309164286	0.044904172	326.0461426	0.123953022	330.5323792	0.000485905	0.000485905	2.67205E-06	0.010156082	0.003451173	0.197787255	0.015556034	4.70597E-06	81.43434143	7.57642E-05	0.000403969	0.000615121	0.004358685
2039 Aug	910.7959595	1.015818715	1.294473886	0.044412829	322.3076477	0.124768108	331.2457581	0.000484894	0.000484894	2.66757E-06	0.010075201	0.003449343	0.198180303	0.015153732	4.70627E-06	81.24723053	7.53134E-05	0.000397309	0.000607574	0.004364275
2039 Sep	917.7894287	1.021959066	1.302049518	0.044671036	324.1553955	0.125966743	334.5860291	0.000482312	0.000482312	2.65713E-06	0.010131032	0.003473833	0.200144768	0.015093798	4.71658E-06	81.90861511	7.58987E-05	0.000398833	0.000610408	0.004401943
2039 Oct	918.7841797	1.022096395	1.301656842	0.04465792	324.0550842	0.126342028	335.4838562	0.000480153	0.000480153	2.647E-06	0.010145835	0.003477884	0.200669602	0.015019	4.71203E-06	82.04610443	7.60214E-05	0.000398508	0.000609997	0.004411316
2039 Nov	918.9925537	1.022336364	1.301928639	0.044667434	324.1253662	0.126380369	335.5592957	0.00048047	0.00048047	2.64864E-06	0.01014995	0.003478882	0.200716615	0.0150257	4.71413E-06	82.06750488	7.60412E-05	0.000398635	0.000610152	0.004412505
2039 Dec	919.0142212	1.022363901	1.301955342	0.044668399	324.1327515	0.126385584	335.5664063	0.000480539	0.000480539	2.64899E-06	0.010150657	0.003479018	0.200721383	0.01502702	4.71452E-06	82.07010651	7.60437E-05	0.000398655	0.000610172	0.004412653
2040 Jan	918.9876709	1.022335052	1.301914454	0.044667009	324.1231079	0.126382694	335.5559692	0.000480556	0.000480556	2.64907E-06	0.010150576	0.003478963	0.200715289	0.015027777	4.71453E-06	82.06851959	7.60418E-05	0.000398655	0.00061017	0.004412556
2040 Feb	918.9797363	1.022325754	1.301900387	0.044666518	324.1200562	0.126381606	335.5523987	0.000480567	0.000480567	2.64912E-06	0.01015056	0.003478972	0.200713143	0.015028833	4.71456E-06	82.06856537	7.60413E-05	0.000398662	0.000610183	0.004412538
2040 Mar	919.0919189	1.022450209	1.302057624	0.044671915	324.1594849	0.126397029	335.5929565	0.000480635	0.000480635	2.64949E-06	0.010151839	0.003479417	0.200737417	0.01503131	4.71518E-06	82.07898712	7.60506E-05	0.000398717	0.000610268	0.004413087
2040 Apr	919.5003052	1.022904158	1.302635312	0.044691734	324.3034058	0.126453191	335.7418518	0.000480853	0.000480853	2.65069E-06	0.010156371	0.003480974	0.200826466	0.015038345	4.71729E-06	82.11567688	7.60844E-05	0.000398897	0.000610545	0.004415054
2040 May	917.7545776	1.020266533	1.298952341	0.044565763	323.4667053	0.126280263	335.1434631	0.000483989	0.000483989	2.66591E-06	0.010163653	0.003483012	0.200479329	0.015219218	4.72861E-06	82.12752533	7.60337E-05	0.000400342	0.000612782	0.004412478
2040 Jun	873.1935425	0.957100153	1.216501236	0.041747462	303.5525208	0.121405579	321.5239258	0.000498138	0.000498138	2.72648E-06	0.009979433	0.003402891	0.192465514	0.016108371	4.70387E-06	79.94147491	7.37998E-05	0.000401025	0.000612195	0.004271309
2040 Jul	881.1796875	0.961131096	1.222352743	0.041947424	304.8960266	0.122872956	326.1416931	0.000495092	0.000495092	2.71469E-06	0.01004564	0.0034346	0.195179015	0.015951494	4.72094E-06	80.78775787	7.46994E-05	0.000402795	0.000615432	0.00432068
2040 Aug	890.7747803	0.968585312	1.232246995	0.042284474	307.2893066	0.124487214	330.8421021	0.000492681	0.000492681	2.70612E-06	0.010125177	0.003471165	0.197931767	0.01590538	4.74159E-06	81.73552704	7.55399E-05	0.0004052	0.000620344	0.004374176
2040 Sep	895.5298462	0.970955968	1.235265374	0.04238686	307.9995422	0.125501469	333.7160034	0.000489172	0.000489172	2.69071E-06	0.010156858	0.003490154	0.199622378	0.01580316	4.74409E-06	82.26677704	7.59864E-05	0.000406003	0.000622012	0.004404731
2040 Oct	895.0546875	0.969777167	1.233273387	0.0423203	307.5224304	0.125645325	333.8605347	0.000489406	0.000489406	2.69198E-06	0.01016905	0.003490811	0.199717611	0.015779184	4.74623E-06	82.28424072	7.60032E-05	0.000405795	0.000621434	0.004406937
2040 Nov	895.2027588	0.969891071	1.23335588	0.042323403	307.5464172	0.125689507	333.9404297	0.000489678	0.000489678	2.6934E-06	0.010173422	0.003491738	0.199767441	0.015783014	4.74814E-06	82.30467987	7.60222E-05	0.00040589	0.000621531	0.004408159
2040 Dec	895.1967773	0.969887495	1.233344316	0.042323049	307.5441284	0.125690579	333.9375	0.000489724	0.000489724	2.69363E-06	0.010173754	0.003491761	0.199766129	0.015783733	4.74834E-06	82.30470276	7.60222E-05	0.000405897	0.000621532	0.004408167
2041 Jan	895.1842041	0.969874561	1.23332417	0.042322367	307.5396118	0.125689462	333.9321289	0.000489743	0.000489743	2.69372E-06	0.010173792	0.003491751	0.19976306	0.015784528	4.7484E-06	82.30419922	7.60214E-05	0.000405901	0.000621536	0.00440813
2041 Feb	895.1834717	0.969873309	1.233320832	0.042322252	307.5391541	0.125689358	333.9312744	0.000489756	0.000489756	2.69378E-06	0.010173844	0.00349178	0.199762523	0.015785517	4.74846E-06	82.30477142	7.60215E-05	0.000405909	0.000621551	0.004408143
2041 Mar	895.2614136	0.96995759	1.233426929	0.042325892	307.5658264	0.125700295	333.9599915	0.000489806	0.000489806	2.69405E-06	0.010174763	0.003492102	0.199779719	0.015787438	4.74891E-06	82.31227875	7.60281E-05	0.00040595	0.000621614	0.004408537
2041 Apr	895.5307617	0.970249236	1.233797431	0.042338599	307.6583252	0.125738114	334.0603027	0.000489958	0.000489958	2.69488E-06	0.010177844	0.003493163	0.199839726	0.015792498	4.75035E-06	82.3372345	7.6051E-05	0.000406075	0.000621806	0.004409868
2041 May	896.6713867	0.971205831	1.234989405	0.042379331	307.9623108	0.125918746	334.5601196	0.000490636	0.000490636	2.69864E-06	0.010192447	0.003498747	0.20013617	0.015829643	4.75717E-06	82.4703598	7.61659E-05	0.000406804	0.000622999	0.004416656
2041 Jun	862.5341187	0.924184084	1.175755024	0.040375765	293.2334595	0.122411326	324.3572693	0.000501532	0.000501532	2.74565E-06	0.010088508	0.003403697	0.194311306	0.01531921	4.74149E-06	79.95879364	7.45479E-05	0.000397619	0.000601451	0.00428912
2041 Jul	851.8686523	0.899046719	1.145001531	0.039329667	285.42453	0.122234777	324.7072144	0.000494083	0.000494083	2.70875E-06	0.010051714	0.003384737	0.194519401	0.014732457	4.70748E-06	79.58049011	7.45687E-05	0.00039269	0.000592801	0.004277763
2041 Aug	859.2822266	0.90474391	1.152412653	0.039583363	287.2451477	0.123524211	328.2949219	0.000494718	0.000494718	2.71457E-06	0.010122989	0.003416015	0.196636736	0.014766425	4.73553E-06	80.35838318	7.5257E-05	0.00039533	0.000597488	0.004320915
2041 Sep	863.9177246	0.90719074	1.155494332	0.039687566	287.986145	0.124449335	330.9946899	0.000492219	0.000492219	2.70408E-06	0.010160618	0.003435884	0.198216975	0.014727195	4.74181E-06	80.89712524	7.57228E-05	0.000396631	0.000600107	0.004351004
2041 Oct	864.1529541	0.905944228	1.153474331	0.039618772	287.4905396	0.124740779	331.7032166	0.000490706	0.000490706	2.69704E-06	0.01017168	0.003439692	0.198629469	0.014684245	4.73916E-06	81.01680756	7.5821E-05	0.000396513	0.000600078	0.004358704
2041 Nov	864.2770386	0.906011701	1.153484583	0.039619464	287.4978943	0.124787182	331.7803955	0.000491043	0.000491043	2.69878E-06	0.010176538	0.003440685	0.198678195	0.014689754	4.74137E-06	81.03807068	7.58401E-05	0.000396622	0.000600189	0.004359969
2041 Dec	864.2957153	0.906033933	1.153506517	0.039620254	287.5039368	0.124791577	331.7869263	0.000491098	0.000491098	2.69905E-06	0.010177114	0.0034408	0.198682487	0.014690809	4.74169E-06	81.04032135	7.58422E-05	0.000396639	0.000600206	0.004360096
2042 Jan	864.2921143	0.906030834	1.153499484	0.039620019	287.5025635	0.124791637	331.7849121	0.000491119	0.000491119	2.69916E-06	0.010177232	0.003440821	0.198681414	0.014691659	4.74178E-06	81.04057312	7.58422E-05	0.000396646	0.000600215	0.0043601
2042 Feb	864.2863159	0.906024456	1.153489709	0.03961968	287.5004883	0.124790795	331.7821655	0.000491128	0.000491128	2.6992E-06	0.010177217	0.003440826	0.198679745	0.014692459	4.7418E-06	81.04059601	7.58417E-05	0.000396651	0.000600226	0.004360086
2042 Mar	864.3341675	0.906074464	1.153552532	0.039621834	287.5163269	0.124797687	331.8002319	0.000491161	0.000491161	2.69938E-06	0.010177811	0.003441032	0.198690563	0.014693763	4.74209E-06	81.04538727	7.5846E-05	0.000396678	0.000600266	0.004360336
2042 Apr	864.8911133	0.906658173	1.154295206	0.039647344	287.7015381	0.124878101	332.013855	0.000491481	0.000491481	2.70114E-06	0.010184385	0.003443258	0.198818475	0.014703508	4.74517E-06	81.09778595	7.58949E-05	0.000396936	0.000600658	0.00436315
2042 May	866.2630615	0.907755494	1.155615926	0.039692681	288.0495605	0.125106037	332.6078796	0.00049299	0.00049299	2.70911E-06	0.010206361	0.003451076	0.199174076	0.014774819	4.75675E-06	81.27690125	7.6045E-05	0.000398094	0.000602483	0.004372
2042 Jun	847.2890625	0.879244983	1.119602799	0.038471412	279.1085205	0.12334308	327.6723938	0.0004971	0.0004971	2.72605E-06	0.010148945	0.0034041	0.196345776	0.014520198	4.74339E-06	80.05457306	7.52625E-05	0.000393612	0.000592171	0.004309357
2042 Jul	838.972229	0.86109215	1.097068071	0.037706174	273.4543457	0.123190574	327.385376	0.000495167	0.000495167	2.71621E-06	0.010124281	0.003392582	0.196183532	0.014237167	4.73211E-06	79.77307129	7.51584E-05	0.000390654	0.000587159	0.004299784
2042 Aug	836.7370605	0.850957096	1.084091067	0.037263338	270.2288818	0.123957552	329.1503906	0.000489617	0.000489617	2.68978E-06	0.010094174	0.003399689	0.197219193	0.014047087	4.71677E-06	80.00629425	7.51701E-05	0.000389204	0.000585698	0.004315495
2042 Sep	834.7418213	0.845028698	1.076050162	0.036989935	268.2606812	0.124310143	329.7216492	0.000487774	0.000487774	2.68099E-06	0.010086385	0.003401376	0.197575539	0.013965157	4.71154E-06	80.07653046	7.51271E-05	0.000388606	0.000584515	0.004320517
2042 Oct	833.7173462	0.842140138	1.071797967	0.036845002	267.2217407	0.124481507	330.0491638	0.000486157	0.000486157	2.67315E-06	0.010090628	0.003401941	0.197762474	0.01392083	4.70572E-06	80.11582184	7.51465E-05	0.000388177	0.000583973	0.004323863
2042 Nov	833.9386597	0.842340529	1.07202363	0.036852896	267.2800293	0.124525398	330.1471863	0.000486406	0.000486406	2.67446E-06	0.010094704	0.003403052	0.197822273	0.013926369	4.70763E-06	80.14099884	7.51699E-05	0.000388306	0.000584145	0.004325262
2042 Dec	833.9506226	0.842354417	1.072037101	0.036853392	267.2837524	0.124528289	330.1514587	0.000486441	0.000486441	2.67465E-06	0.010095084	0.003403128	0.197825089	0.013927056	4.70784E-06	80.14248657	7.51713E-05	0.000388317	0.000584156	0.004325346
2043 Jan	833.942749	0.842347026	1.072025657	0.036852997	267.281189	0.124527492	330.1479492	0.000486452	0.000486452	2.6747E-06	0.010095094	0.003403119	0.197823063	0.013927525	4.70787E-06	80.14211273	7.51707E-05	0.000388319	0.000584158	0.00432532
2043 Feb	833.9396973	0.842343748	1.072020411	0.036852814	267.2800903	0.124527007	330.1463318	0.000486458	0.000486458	2.67473E-06	0.010095092	0.003403125	0.197822094	0.013928064	4.70789E-06	80.1421814	7.51705E-05	0.000388323	0.000584165	0.004325313
2043 Mar	833.9580078	0.842362225	1.0720433	0.0368536	267.2859497	0.124529749	330.1534119	0.000486473	0.000486473	2.67481E-06	0.010095333	0.00340321	0.197826311	0.013928693	4.70801E-06	80.14414215	7.51722E-05	0.000388334	0.000584183	0.004325414
2043 Apr	834.423645	0.842832506	1.072641492	0.036874164	267.4351196	0.124599278	330.337616	0.000486747	0.000486747	2.67631E-06	0.010100981	0.003405116	0.197936714	0.013936653	4.71065E-06	80.18900299	7.52141E-05	0.000388552	0.000584512	0.004327831
2043 May	835.1171875	0.843105555	1.072866559	0.036881991	267.5211487	0.124741927	330.6818237	0.000488465	0.000488465	2.68515E-06	0.010119035	0.003411471	0.198144525	0.014024661	4.72153E-06	80.32826996	7.53191E-05	0.000389702	0.000586324	0.004334133
2043 Jun	813.8378296	0.812786341	1.033079386	0.035520956	257.9360962	0.1224273	324.1955872	0.000495108	0.000495108	2.71351E-06	0.010029965	0.003375339	0.194312379	0.014514539	4.70918E-06	79.33516693	7.42475E-05	0.000390441	0.000587194	0.004268472
2043 Jul	816.6445923	0.811579227	1.031779408	0.03547832	257.591156	0.123273686	326.5919189	0.000495651	0.000495651	2.718E-06	0.010077775	0.003394848	0.195727319	0.014486123	4.72858E-06	79.81276703	7.47174E-05	0.000391701	0.000589486	0.004296407
2043 Aug	821.0380249	0.812778354	1.033332705	0.035531893	257.9706421	0.124306664	329.4225769	0.00049534	0.00049534	2.71854E-06	0.010126486	0.003418346	0.197401166	0.014486548	4.74667E-06	80.40949249	7.52209E-05	0.000393521	0.000592699	0.004329588
2043 Sep	822.303772	0.810904026	1.030825138	0.035445865	257.3429871	0.124880552	331.0176697	0.000493099	0.000493099	2.70852E-06	0.010140622	0.003428905	0.198338136	0.014434031	4.74658E-06	80.70831299	7.54493E-05	0.000393954	0.000593677	0.004346563
2043 Oct	819.1973267	0.806566642	1.024501085	0.035231993	255.8157501	0.124764137	330.2763672	0.000493619	0.000493619	2.71056E-06	0.010139589	0.003422465	0.197914302	0.014411054	4.74397E-06	80.54264832	7.52861E-05	0.000393088	0.000591904	0.004338945
2043 Nov	815.4156494	0.802347898	1.018385649	0.035025585	254.3444977	0.124462388	328.9725037	0.000494979	0.000494979	2.71639E-06	0.010131459	0.003412228	0.197164774	0.014401382	4.74165E-06	80.26900482	7.50264E-05	0.00039203	0.000589644	0.004325201
2043 Dec	815.4003906	0.802336752	1.018362999	0.035024863	254.3395691	0.124462329	328.9654236	0.000495029	0.000495029	2.71664E-06	0.010131749	0.003412219	0.197161049	0.014402106	4.74185E-06	80.26816559	7.50256E-05	0.000392033	0.000589639	0.004325164
2044 Jan	815.3911133	0.802328467	1.018349171	0.035024397	254.3365631	0.124461472	328.9610291	0.000495047	0.000495047	2.71672E-06	0.010131796	0.003412215	0.19715853	0.014402865	4.74191E-06	80.26783752	7.5025E-05	0.000392037	0.000589644	0.004325137
2044 Feb	815.4202271	0.802356839	1.018383741	0.035025574	254.3455048	0.12446589	328.972168	0.000495077	0.000495077	2.71688E-06	0.010132211	0.003412365	0.197165206	0.014404297	4.74213E-06	80.27126312	7.50277E-05	0.00039206	0.000589679	0.004325306
2044 Mar	815.4938354	0.802429199	1.018474579	0.0350287	254.3684235	0.124477111	329.0015259	0.000495128	0.000495128	2.71716E-06	0.010133155	0.003412689	0.197182804	0.014406094	4.74259E-06	80.27882385	7.50346E-05	0.0003921	0.00058974	0.004325705
2044 Apr	815.6850586	0.802617311	1.018712878	0.035036895	254.4280243	0.124506287	329.0784912	0.000495248	0.000495248	2.71781E-06	0.010135547	0.003413498	0.197228938	0.014409749	4.74372E-06	80.29781342	7.50522E-05	0.000392194	0.000589883	0.004326724
2044 May	816.9916992	0.803830326	1.02024281	0.0350895	254.8125916	0.124711692	329.6235046	0.000496105	0.000496105	2.7225E-06	0.010152511	0.003419325	0.19755514	0.014438891	4.75175E-06	80.43473053	7.51777E-05	0.000392894	0.000590954	0.004333994
2044 Jun	750.8695068	0.728272736	0.924236715	0.031849235	231.2976379	0.116925977	305.090271	0.000527511	0.000527511	2.86138E-06	0.009624001	0.003183869	0.183020815	0.013863577	4.73848E-06	74.85507965	7.01565E-05	0.000371626	0.000551246	0.004060033
2044 Jul	639.6693726	0.614045799	0.779232323	0.026982946	195.9742889	0.103397802	259.9907532	0.000601474	0.000601474	3.19779E-06	0.008576929	0.00273984	0.156166703	0.01278689	4.79469E-06	64.58426666	6.0457E-05	0.000330747	0.000476732	0.003574192
2044 Aug	535.3253784	0.509829044	0.64674741	0.022541435	163.8384552	0.090497561	216.6327209	0.000675018	0.000675018	3.53333E-06	0.007604419	0.002315541	0.130476356	0.011891956	4.86042E-06	54.81159592	5.10906E-05	0.000284729	0.000409695	0.003100049
2044 Sep	462.12677	0.435042799	0.551411152	0.019338218	140.7421722	0.081497818	186.7597046	0.000718886	0.000718886	3.73049E-06	0.006932365	0.002018824	0.112858728	0.011243071	4.87152E-06	48.05714417	4.45533E-05	0.000245245	0.000365173	0.002763371
2044 Oct	432.5422058	0.405115575	0.513076127	0.018050421	131.4687958	0.077840224	174.5899353	0.00073681	0.00073681	3.81107E-06	0.006661299	0.001898165	0.105664417	0.010993845	4.87629E-06	45.32120514	4.19162E-05	0.000229398	0.000347015	0.002629481
2044 Nov	432.6152954	0.405124664	0.51301676	0.018048443	131.4567413	0.077871315	174.6503448	0.000736821	0.000736821	3.81117E-06	0.006664973	0.001898997	0.105702601	0.010997734	4.87676E-06	45.33752441	4.19314E-05	0.000229492	0.000347097	0.002630315
2044 Dec	432.6215515	0.405131489	0.513023376	0.018048687	131.4586029	0.077872984	174.6526337	0.000736845	0.000736845	3.81129E-06	0.006665185	0.001899038	0.105704114	0.010998132	4.87689E-06	45.33834076	4.19321E-05	0.000229498	0.000347103	0.002630363
2045 Jan	432.6187744	0.405129224	0.513019383	0.018048549	131.4577332	0.077872649	174.6512909	0.000736847	0.000736847	3.8113E-06	0.006665194	0.001899037	0.105703354	0.010998359	4.8769E-06	45.33823776	4.19319E-05	0.000229499	0.000347105	0.002630353
2045 Feb	432.6178284	0.4051283	0.513017654	0.018048488	131.4573975	0.077872448	174.6507111	0.000736849	0.000736849	3.81131E-06	0.006665194	0.001899042	0.105702996	0.010998629	4.8769E-06	45.33831787	4.19319E-05	0.000229502	0.000347109	0.002630352
2045 Mar	432.6415405	0.405150503	0.513045549	0.018049465	131.4645996	0.077876709	174.6601868	0.000736891	0.000736891	3.81153E-06	0.006665569	0.001899151	0.105708726	0.010999393	4.87718E-06	45.34090424	4.19342E-05	0.000229516	0.00034713	0.002630498
2045 Apr	432.7284851	0.405231893	0.513148427	0.018053088	131.4910278	0.077892348	174.6952209	0.00073704	0.00073704	3.8123E-06	0.006666913	0.001899536	0.10572993	0.011001694	4.87816E-06	45.35007095	4.19426E-05	0.000229563	0.000347202	0.002631029
2045 May	433.2937012	0.405761182	0.513818562	0.018076664	131.6627502	0.077994086	174.9233704	0.000738003	0.000738003	3.81728E-06	0.006675624	0.001902018	0.105868012	0.011016105	4.88453E-06	45.40933228	4.19974E-05	0.000229863	0.000347656	0.002634465
2045 Jun	420.144928	0.390190005	0.494132459	0.017411321	126.7911911	0.076446325	170.2345428	0.000742829	0.000742829	3.83796E-06	0.006587571	0.00185797	0.103105374	0.010858285	4.87628E-06	44.30852127	4.11122E-05	0.000226936	0.000338845	0.002580751
2045 Jul	387.806427	0.356673509	0.451641202	0.015984869	116.4064789	0.072521619	157.2166901	0.000764218	0.000764218	3.93527E-06	0.006288491	0.001731616	0.0953371	0.010540023	4.89283E-06	41.33880615	3.836E-05	0.000217549	0.000316488	0.002442281
2045 Aug	351.8894958	0.321057856	0.406411111	0.014469268	105.4395218	0.068076186	142.2182007	0.000790169	0.000790169	4.05389E-06	0.005946589	0.001584514	0.086441629	0.010232083	4.9181E-06	37.95749283	3.50967E-05	0.000201816	0.000293326	0.002278409
2045 Sep	323.1789856	0.29223305	0.369724452	0.013237642	96.57704163	0.064488612	130.3032532	0.000808372	0.000808372	4.13605E-06	0.005680609	0.001465769	0.079425901	0.009993728	4.92598E-06	35.27708054	3.24836E-05	0.000184781	0.000276392	0.002143495
2045 Oct	310.1863098	0.279458702	0.353459746	0.012692126	92.65671539	0.062835075	124.8004227	0.000817124	0.000817124	4.17572E-06	0.005557173	0.001410986	0.076174371	0.009893161	4.93134E-06	34.04881668	3.12894E-05	0.000177125	0.00026857	0.002083367
2045 Nov	310.2365112	0.279504716	0.35351637	0.012694169	92.67169189	0.06284564	124.8204575	0.000817266	0.000817266	4.17645E-06	0.00555816	0.001411225	0.076186694	0.00989494	4.93218E-06	34.05445099	3.12946E-05	0.000177156	0.000268615	0.002083712
2045 Dec	310.2463074	0.279513985	0.353527218	0.012694564	92.67461395	0.062847845	124.8243103	0.000817297	0.000817297	4.1766E-06	0.005558382	0.001411275	0.076189101	0.00989535	4.93236E-06	34.05559158	3.12957E-05	0.000177163	0.000268624	0.002083782
2046 Jan	310.2474365	0.279515117	0.353528231	0.012694601	92.67493439	0.062848136	124.8246765	0.000817303	0.000817303	4.17663E-06	0.005558423	0.001411284	0.076189339	0.009895506	4.93239E-06	34.05578995	3.12958E-05	0.000177164	0.000268626	0.002083792

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2046 Feb	310.2495117	0.279516965	0.353530347	0.012694676	92.67553711	0.062848538	124.8254166	0.000817309	0.000817309	4.17667E-06	0.005558465	0.001411297	0.076189794	0.009895692	4.93243E-06	34.05609131	3.1296E-05	0.000177167	0.00026863	0.002083807
2046 Mar	310.2738342	0.27953887	0.353557944	0.012695665	92.68279266	0.062853448	124.8351593	0.000817374	0.000817374	4.177E-06	0.005558904	0.00141141	0.076195732	0.009896532	4.93282E-06	34.05879974	3.12985E-05	0.000177181	0.000268652	0.002083971
2046 Apr	310.3788757	0.279633522	0.353677601	0.012699963	92.71417236	0.062874727	124.8774109	0.000817651	0.000817651	4.17841E-06	0.005560788	0.001411889	0.076221526	0.009899921	4.93449E-06	34.07035446	3.13091E-05	0.000177241	0.000268744	0.002084678
2046 May	310.754303	0.279937536	0.354054868	0.012713411	92.81402588	0.062949479	125.0383072	0.000818495	0.000818495	4.18275E-06	0.005567572	0.001413809	0.076319136	0.009914874	4.9398E-06	34.11580658	3.13496E-05	0.000177498	0.000269139	0.002087271
2046 Jun	305.4676819	0.272511065	0.344628334	0.012391377	90.45075226	0.062340986	123.515274	0.000817492	0.000817492	4.17662E-06	0.005549807	0.001401736	0.075434752	0.009859323	4.92439E-06	33.75561523	3.11347E-05	0.000177648	0.000266045	0.002067899
2046 Jul	291.131134	0.256279737	0.324101061	0.011698339	85.38186646	0.060659025	118.2298813	0.000823034	0.000823034	4.20044E-06	0.00541795	0.001349604	0.072261155	0.009675364	4.91557E-06	32.50698853	3.00187E-05	0.000174764	0.000255806	0.002010097
2046 Aug	272.8366699	0.238411233	0.301400453	0.010938703	79.88659668	0.058400959	110.5040359	0.000837246	0.000837246	4.26577E-06	0.005241804	0.001274072	0.067678034	0.009525122	4.93279E-06	30.77136993	2.83283E-05	0.000166821	0.000243942	0.00192628
2046 Sep	257.3606873	0.222874686	0.281530648	0.010270663	75.09176636	0.056469612	104.1042633	0.00084584	0.00084584	4.30398E-06	0.00509734	0.001210058	0.063918851	0.009395896	4.93108E-06	29.33144569	2.6903E-05	0.000156916	0.00023502	0.001852475
2046 Oct	250.0669708	0.215681612	0.272202551	0.00995682	72.84564209	0.055552337	101.0577469	0.000849593	0.000849593	4.32047E-06	0.00503016	0.001179819	0.062122032	0.009340276	4.92858E-06	28.65286446	2.62364E-05	0.000152353	0.000230712	0.001818709
2046 Nov	250.1408234	0.215718746	0.272218287	0.009957341	72.8504715	0.05557194	101.1042557	0.000849565	0.000849565	4.32037E-06	0.005032223	0.001180383	0.06215065	0.009342495	4.92876E-06	28.66460609	2.62474E-05	0.000152416	0.00023078	0.001819294
2046 Dec	250.1492462	0.21572651	0.272227108	0.009957671	72.85292053	0.055574056	101.1075516	0.0008496	0.0008496	4.32055E-06	0.005032447	0.001180429	0.062152736	0.009342921	4.92895E-06	28.6656456	2.62484E-05	0.000152423	0.000230789	0.00181936
2047 Jan	250.1497803	0.21572715	0.272227407	0.009957681	72.85305786	0.055574238	101.1076584	0.000849604	0.000849604	4.32057E-06	0.005032481	0.001180437	0.062152822	0.00934308	4.92898E-06	28.66579247	2.62484E-05	0.000152424	0.000230791	0.001819367
2047 Feb	250.1521149	0.215729162	0.272229671	0.009957764	72.85372162	0.05557473	101.1084976	0.000849613	0.000849613	4.32061E-06	0.005032533	0.001180453	0.062153339	0.009343304	4.92903E-06	28.66614151	2.62487E-05	0.000152427	0.000230795	0.001819385
2047 Mar	250.1890411	0.215761021	0.272269726	0.00995923	72.86447144	0.055582922	101.1233749	0.000849739	0.000849739	4.32125E-06	0.00503328	0.001180629	0.062162485	0.009344758	4.92976E-06	28.6704216	2.62526E-05	0.00015245	0.000230831	0.001819655
2047 Apr	250.2355042	0.21580109	0.272320241	0.009961076	72.87800598	0.055593234	101.142128	0.000849897	0.000849897	4.32206E-06	0.005034216	0.00118085	0.062174011	0.009346536	4.93068E-06	28.67576981	2.62575E-05	0.000152479	0.000230874	0.001819993
2047 May	250.4666748	0.21588318	0.272365391	0.009962406	72.90071106	0.055635519	101.2554169	0.000850345	0.000850345	4.32438E-06	0.005041095	0.001183381	0.062243059	0.009384136	4.93366E-06	28.72813988	2.62962E-05	0.000152965	0.000231613	0.001822104
2047 Jun	247.8155518	0.211952895	0.267066449	0.009777308	71.61911774	0.055272162	100.4854965	0.000848403	0.000848403	4.31409E-06	0.005028019	0.001182588	0.061772052	0.00950875	4.91856E-06	28.65931892	2.61918E-05	0.000154696	0.00023272	0.001814454
2047 Jul	238.9932556	0.203430757	0.256277174	0.009418896	69.00177765	0.05423585	96.71550751	0.000858204	0.000858204	4.3603E-06	0.004943704	0.001146529	0.059508733	0.009437251	4.94134E-06	27.8162384	2.53954E-05	0.000153095	0.000226116	0.001778219
2047 Aug	227.7068481	0.192646533	0.242604405	0.008963289	65.70178223	0.052858692	91.85733795	0.000868879	0.000868879	4.41007E-06	0.004837656	0.001099189	0.056631271	0.009347804	4.96083E-06	26.7291851	2.43403E-05	0.000148223	0.000218641	0.0017265
2047 Sep	217.3569489	0.182578996	0.229756981	0.008531734	62.60450745	0.05153276	87.47200775	0.000874728	0.000874728	4.43605E-06	0.004740371	0.001055282	0.054061454	0.009256636	4.95946E-06	25.74046326	2.33664E-05	0.000141156	0.000212557	0.001675479
2047 Oct	212.3517914	0.177792877	0.223560065	0.008323053	61.11105728	0.050878134	85.3376236	0.000876906	0.000876906	4.44536E-06	0.004692531	0.001033924	0.052803412	0.009212791	4.95546E-06	25.26132011	2.28984E-05	0.000137804	0.000209505	0.001651432
2047 Nov	212.3765869	0.177798882	0.223530635	0.008321978	61.10446548	0.050888527	85.36010742	0.000876808	0.000876808	4.44488E-06	0.004694097	0.001034292	0.052817956	0.009214412	4.95512E-06	25.2675972	2.29045E-05	0.000137848	0.000209534	0.001651688
2047 Dec	212.3843689	0.177805826	0.223538503	0.008322277	61.10669327	0.050890591	85.36313629	0.000876845	0.000876845	4.44507E-06	0.004694314	0.001034335	0.052819882	0.009214842	4.95532E-06	25.2685833	2.29054E-05	0.000137854	0.000209542	0.001651752
2048 Jan	212.3874969	0.177808583	0.223541558	0.008322392	61.10757828	0.050891388	85.36430359	0.00087686	0.00087686	4.44514E-06	0.004694401	0.001034355	0.052820619	0.009215094	4.95541E-06	25.26902771	2.29058E-05	0.000137857	0.000209546	0.001651779
2048 Feb	212.3933258	0.177813485	0.223547503	0.008322611	61.10925293	0.050892763	85.36656952	0.000876885	0.000876885	4.44527E-06	0.004694535	0.001034387	0.05282202	0.009215464	4.95555E-06	25.26979256	2.29064E-05	0.000137862	0.000209554	0.001651825
2048 Mar	212.3943329	0.17781432	0.223548442	0.008322646	61.1095314	0.050892983	85.3669281	0.000876889	0.000876889	4.44529E-06	0.00469456	0.001034394	0.052822236	0.009215571	4.95557E-06	25.26994896	2.29065E-05	0.000137863	0.000209556	0.001651834
2048 Apr	212.4636078	0.177871346	0.223619759	0.008325296	61.12907791	0.05090943	85.39506531	0.000877166	0.000877166	4.4467E-06	0.004696074	0.001034738	0.052839603	0.00921871	4.95714E-06	25.27835083	2.2914E-05	0.00013791	0.000209628	0.001652373
2048 May	212.7561493	0.178115845	0.223926932	0.008336728	61.21307755	0.050979454	85.51277924	0.00087837	0.00087837	4.4528E-06	0.004702535	0.001036167	0.052912418	0.00923148	4.96395E-06	25.31323814	2.29456E-05	0.000138101	0.000209918	0.001654649
2048 Jun	209.799057	0.174767256	0.219691977	0.008190722	60.13117218	0.050525047	84.43464661	0.0008762	0.0008762	4.44117E-06	0.004687076	0.001027535	0.052286774	0.009182818	4.94577E-06	25.05098724	2.27829E-05	0.000138023	0.000207618	0.001639862
2048 Jul	202.9683075	0.167882547	0.210988104	0.007897122	57.97361755	0.049629062	81.64336395	0.00087897	0.00087897	4.45297E-06	0.00462631	0.001001953	0.050620135	0.009102756	4.94035E-06	24.40551758	2.22279E-05	0.000137194	0.000202293	0.001609501
2048 Aug	195.1168823	0.160467058	0.201574355	0.007583426	55.70266342	0.048671994	78.23969269	0.00088631	0.00088631	4.48714E-06	0.0045515	0.00096914	0.048605669	0.009043071	4.95331E-06	23.64623642	2.14815E-05	0.000133851	0.00019706	0.001573189
2048 Sep	187.7211609	0.153516918	0.192704678	0.007285936	53.57221985	0.047705237	75.02083588	0.000890905	0.000890905	4.50771E-06	0.004481379	0.000937065	0.046721727	0.008983794	4.95379E-06	22.92622185	2.07678E-05	0.000128539	0.000192768	0.001535859
2048 Oct	184.0769501	0.150139272	0.188330427	0.007138577	52.5198555	0.047213912	73.43218994	0.00089238	0.00089238	4.51391E-06	0.004445225	0.000921129	0.045785133	0.008952277	4.95008E-06	22.57039833	2.0418E-05	0.000125963	0.000190548	0.001517889
2048 Nov	184.0644379	0.150139466	0.188288882	0.007137184	52.51126099	0.047218747	73.42827606	0.000892399	0.000892399	4.514E-06	0.004446793	0.000921332	0.045784663	0.008954935	4.95014E-06	22.57201576	2.04197E-05	0.000125999	0.000190553	0.001517921
2048 Dec	184.0702667	0.150144622	0.18829459	0.007137405	52.51291656	0.047220424	73.43052673	0.000892432	0.000892432	4.51417E-06	0.004446975	0.000921366	0.045786109	0.008955301	4.95032E-06	22.57278633	2.04204E-05	0.000126004	0.000190559	0.001517973
2049 Jan	184.0712128	0.150145546	0.188295335	0.007137434	52.51317978	0.047220703	73.43081665	0.000892438	0.000892438	4.5142E-06	0.004447015	0.000921375	0.045786306	0.008955451	4.95035E-06	22.57296562	2.04205E-05	0.000126005	0.000190562	0.001517982
2049 Feb	184.072113	0.150146276	0.188296065	0.007137461	52.51342392	0.047220904	73.43109894	0.000892443	0.000892443	4.51422E-06	0.00444704	0.000921383	0.045786481	0.008955598	4.95038E-06	22.57313728	2.04206E-05	0.000126007	0.000190564	0.001517991
2049 Mar	184.0835724	0.150155634	0.188307688	0.007137902	52.51669312	0.047223832	73.43562317	0.000892499	0.000892499	4.5145E-06	0.004447319	0.000921442	0.045789309	0.008956212	4.95069E-06	22.57457733	2.04219E-05	0.000126015	0.000190577	0.001518086
2049 Apr	184.1431732	0.150204256	0.188368604	0.00714021	52.53369141	0.04723911	73.4593811	0.000892788	0.000892788	4.51597E-06	0.00444876	0.000921741	0.045804117	0.008959143	4.95229E-06	22.58190727	2.04285E-05	0.000126056	0.000190639	0.001518578
2049 May	184.3954315	0.150404289	0.188616365	0.007149582	52.60332489	0.047302935	73.56116486	0.000893975	0.000893975	4.52198E-06	0.004454927	0.000923078	0.045867503	0.008972815	4.95891E-06	22.61412239	2.04572E-05	0.000126246	0.000190927	0.001520669
2049 Jun	181.7079315	0.147707105	0.18518272	0.007030454	51.72333145	0.046840589	72.47041321	0.000891595	0.000891595	4.50928E-06	0.004439764	0.000914927	0.045235191	0.008939162	4.93957E-06	22.36049271	2.02923E-05	0.000126197	0.000188895	0.001505759
2049 Jul	176.6644897	0.142904401	0.179115012	0.006826222	50.22239685	0.046165928	70.32499695	0.000894022	0.000894022	4.51984E-06	0.004389856	0.000895064	0.043947358	0.008881208	4.93688E-06	21.86681747	1.98528E-05	0.000125633	0.000184832	0.001482987
2049 Aug	171.3250427	0.137944579	0.172839493	0.006619844	48.72941971	0.045564756	67.94538879	0.000902194	0.000902194	4.55892E-06	0.004344146	0.000872378	0.042540964	0.008859483	4.96107E-06	21.35143089	1.93431E-05	0.00012344	0.000181411	0.001459725
2049 Sep	166.1207428	0.133162037	0.166709766	0.006414183	47.2595253	0.044874575	65.65239716	0.000905269	0.000905269	4.57259E-06	0.004294857	0.000849587	0.04120123	0.008818876	4.96042E-06	20.83961868	1.88335E-05	0.000119524	0.000178428	0.00143282
2049 Oct	164.9817963	0.132161498	0.165337831	0.006367475	46.92825699	0.044716876	65.15645599	0.000905135	0.000905135	4.57155E-06	0.004284848	0.000844932	0.040910799	0.008809767	4.95629E-06	20.72962952	1.8726E-05	0.000118761	0.000177713	0.001426915
2049 Nov	164.9870453	0.132171571	0.165331185	0.006367309	46.92781067	0.044722002	65.15859222	0.000905207	0.000905207	4.57191E-06	0.00428586	0.000845081	0.040913083	0.008811614	4.95666E-06	20.7317028	1.8728E-05	0.000118785	0.000177727	0.001427022
2049 Dec	164.9933929	0.13217698	0.165337339	0.00636755	46.92960739	0.044723861	65.161026	0.000905245	0.000905245	4.5721E-06	0.004286057	0.000845117	0.040914655	0.008812018	4.95687E-06	20.73254204	1.87287E-05	0.000118791	0.000177734	0.001427079
2050 Jan	164.9950867	0.13217847	0.165338874	0.00636761	46.93008423	0.044724353	65.16163635	0.000905255	0.000905255	4.57216E-06	0.004286114	0.000845129	0.04091505	0.008812192	4.95693E-06	20.73280716	1.87289E-05	0.000118793	0.000177737	0.001427095
2050 Feb	164.9957886	0.132179052	0.16533944	0.006367632	46.93027878	0.044724517	65.1618576	0.00090526	0.00090526	4.57218E-06	0.004286135	0.000845135	0.040915187	0.008812311	4.95695E-06	20.7329464	1.8729E-05	0.000118794	0.000177739	0.001427102
2050 Mar	164.9976959	0.132180572	0.165341273	0.006367702	46.93082047	0.044725023	65.16257477	0.00090527	0.00090527	4.57223E-06	0.004286186	0.000845146	0.040915638	0.008812459	4.95701E-06	20.73321342	1.87293E-05	0.000118796	0.000177742	0.001427119
2050 Apr	165.0355682	0.132210925	0.165379196	0.006369162	46.94159317	0.044735283	65.17752075	0.000905478	0.000905478	4.57328E-06	0.004287171	0.000845341	0.040925022	0.008814507	4.95814E-06	20.73798943	1.87336E-05	0.000118823	0.000177783	0.001427447
2050 May	165.2113647	0.13235122	0.165552765	0.006375848	46.99129105	0.044782732	65.24629211	0.000906453	0.000906453	4.5782E-06	0.004291856	0.000846283	0.040968299	0.008824982	4.96347E-06	20.76076698	1.87538E-05	0.000118961	0.000177989	0.00142898
2050 Jun	164.4411011	0.131584093	0.164518163	0.006338318	46.72158051	0.044594504	64.91269684	0.000904523	0.000904523	4.56832E-06	0.004296412	0.000846038	0.040788885	0.008842401	4.95156E-06	20.70458603	1.87436E-05	0.000119336	0.000177848	0.001423525
2050 Jul	163.9289856	0.131018922	0.163800269	0.006312272	46.52571106	0.044481937	64.72810364	0.000902679	0.000902679	4.55896E-06	0.004296466	0.000845498	0.040689748	0.008831843	4.94113E-06	20.65748978	1.87282E-05	0.000119336	0.000177418	0.001419758
2050 Aug	164.3864899	0.131347075	0.164204925	0.006328074	46.64238358	0.044615027	64.91946411	0.000905158	0.000905158	4.57149E-06	0.004309276	0.000848274	0.040811293	0.008858594	4.95479E-06	20.71885681	1.87815E-05	0.000119695	0.000177925	0.001423858
2050 Sep	164.4059601	0.131350309	0.164143726	0.006326067	46.63069153	0.044636123	64.93752289	0.000905252	0.000905252	4.57198E-06	0.004312578	0.00848973	0.04082698	0.008864734	4.95538E-06	20.72837257	1.87878E-05	0.000119802	0.00017797	0.001424218
2050 Oct	164.5028076	0.131433293	0.164222226	0.006329206	46.65484619	0.044667114	64.97680664	0.000905822	0.000905822	4.57485E-06	0.004316218	0.000849634	0.040852819	0.008871843	4.95849E-06	20.7424984	1.88007E-05	0.000119899	0.000178085	0.001425135
2050 Nov	164.5521088	0.13147296	0.164271072	0.006331093	46.66878128	0.044680644	64.99624634	0.000906096	0.000906096	4.57624E-06	0.004317545	0.000849893	0.040865075	0.008874567	4.95998E-06	20.74876404	1.88064E-05	0.000119936	0.000178138	0.001425564
2050 Dec	164.5580292	0.131477877	0.164276868	0.006331318	46.67045975	0.044682339	64.99853516	0.00090613	0.00090613	4.57641E-06	0.00431772	0.000849925	0.040866543	0.008874927	4.96017E-06	20.74953651	1.88071E-05	0.000119941	0.000178145	0.001425617
2051 Jan	164.5599213	0.131479472	0.164278656	0.006331388	46.6709938	0.044682872	64.99924469	0.000906142	0.000906142	4.57647E-06	0.004317778	0.000849937	0.040866997	0.008875079	4.96023E-06	20.74980736	1.88074E-05	0.000119943	0.000178148	0.001425634
2051 Feb	164.5612488	0.131480545	0.164279893	0.006331435	46.67136383	0.044683218	64.9997406	0.000906149	0.000906149	4.57651E-06	0.004317814	0.000849946	0.040867303	0.008875201	4.96027E-06	20.75000572	1.88075E-05	0.000119944	0.00017815	0.001425646
2051 Mar	164.567627	0.131485641	0.164286211	0.006331678	46.67316818	0.044684935	65.00223541	0.000906184	0.000906184	4.57668E-06	0.004317983	0.000849979	0.040868871	0.008875571	4.96046E-06	20.75082397	1.88082E-05	0.000119949	0.000178157	0.001425702
2051 Apr	164.6224213	0.131529436	0.164340898	0.006333786	46.68871307	0.044699818	65.02387238	0.000906486	0.000906486	4.57821E-06	0.004319421	0.000850263	0.040882479	0.008878544	4.96212E-06	20.75774574	1.88145E-05	0.000119989	0.000178217	0.001426177
2051 May	164.8141937	0.131679758	0.164515555	0.006340534	46.74133301	0.044750668	65.0947876	0.000907621	0.000907621	4.58393E-06	0.004325287	0.00085154	0.04092776	0.008896388	4.96825E-06	20.78662491	1.88388E-05	0.000120208	0.000178539	0.00142793
2051 Jun	163.4204865	0.130344003	0.162664264	0.006271966	46.26475906	0.044385504	64.48683929	0.000902956	0.000902956	4.56017E-06	0.004322716	0.000850731	0.040584214	0.008941654	4.94079E-06	20.69295311	1.87868E-05	0.000120836	0.000178654	0.001417901
2051 Jul	163.4497986	0.130251199	0.162541732	0.006268195	46.23414612	0.04440416	64.51767731	0.000903539	0.000903539	4.5631E-06	0.004331892	0.000852134	0.040613741	0.008951546	4.94392E-06	20.70766068	1.88209E-05	0.0001211	0.000178755	0.001418484
2051 Aug	163.6623077	0.13036105	0.162644759	0.006272739	46.26989746	0.044486258	64.61717987	0.000904819	0.000904819	4.56957E-06	0.004340202	0.000854156	0.040682275	0.008970059	4.95098E-06	20.74386597	1.8847E-05	0.000121364	0.000179019	0.001420634
2051 Sep	163.381897	0.130136192	0.162217885	0.00625702	46.16031647	0.044441231	64.52288055	0.000903345	0.000903345	4.56214E-06	0.004339014	0.00085381	0.040630624	0.008965489	4.94297E-06	20.72182465	1.88251E-05	0.000121331	0.000178768	0.001418654
2051 Oct	162.5671387	0.129586458	0.161196753	0.006219338	45.89597321	0.044287108	64.20178223	0.000899699	0.000899699	4.54368E-06	0.00433291	0.000851686	0.040445115	0.008948865	4.92257E-06	20.64365196	1.87558E-05	0.000121091	0.000178027	0.001412731
2051 Nov	162.5437927	0.129584014	0.161153927	0.006217904	45.88703537	0.044289295	64.1905365	0.000899723	0.000899723	4.54379E-06	0.004334252	0.000851815	0.040440246	0.008951336	4.92261E-06	20.64357376	1.87559E-05	0.000121119	0.000178021	0.001412676
2051 Dec	162.5491028	0.129588589	0.161158994	0.006218103	45.88852692	0.044290893	64.19256592	0.000899756	0.000899756	4.54395E-06	0.004334427	0.000851847	0.040441561	0.008951697	4.92279E-06	20.64429283	1.87566E-05	0.000121124	0.000178027	0.001412725
2052 Jan	162.5495758	0.129589081	0.161159262	0.006218114	45.8886528	0.044291046	64.19267273	0.00089976	0.00089976	4.54397E-06	0.004334453	0.000851852	0.040441647	0.008951807	4.92281E-06	20.64440346	1.87566E-05	0.000121125	0.000178029	0.00141273
2052 Feb	162.552597	0.12959151	0.161162123	0.006218224	45.88949966	0.044291846	64.19381714	0.000899777	0.000899777	4.54406E-06	0.004334536	0.000851871	0.040442359	0.008952061	4.9229E-06	20.64484215	1.8757E-05	0.000121128	0.000178033	0.001412757
2052 Mar	162.5668182	0.129602849	0.161176145	0.006218764	45.89350891	0.044295702	64.1993866	0.000899856	0.000899856	4.54446E-06	0.004334916	0.000851947	0.040445872	0.008952891	4.92333E-06	20.64667511	1.87586E-05	0.000121139	0.00017805	0.001412881
2052 Apr	162.5973206	0.129627183	0.16120635	0.00621993	45.90211868	0.04430401	64.21141815	0.000900025	0.000900025	4.54531E-06	0.004335731	0.000852108	0.040453453	0.008954597	4.92426E-06	20.6505661	1.87621E-05	0.000121162	0.000178083	0.001413147
2052 May	162.6955109	0.12968637	0.161245316	0.006221516	45.92353439	0.044326916	64.23977661	0.000900719	0.000900719	4.5488E-06	0.004340379	0.00085337	0.040472861	0.008979156	4.92789E-06	20.67539978	1.87797E-05	0.00012144	0.000178488	0.001414228
2052 Jun	162.3570404	0.12926276	0.160576507	0.006197107	45.78530121	0.044230036	64.06430817	0.000900179	0.000900179	4.54596E-06	0.004347376	0.00085545	0.040378794	0.009044307	4.92394E-06	20.68817329	1.8791E-05	0.000122205	0.000179338	0.001412485
2052 Jul	162.6556244	0.12936911	0.160701364	0.006203023	45.84141541	0.044332586	64.19934845	0.000902113	0.000902113	4.55573E-06	0.004359598	0.00085811	0.040468968	0.009068486	4.93451E-06	20.73522377	1.88361E-05	0.000122535	0.000179718	0.001415512
2052 Aug	162.9916077	0.129558459	0.160917386	0.006211909	45.91763687	0.044436954	64.34668732	0.000903911	0.000903911	4.56483E-06	0.004369797	0.000860423	0.040564418	0.009090035	4.94448E-06	20.78356552	1.88762E-05	0.000122839	0.000180102	0.001418594
2052 Sep	162.9671173	0.129493058	0.160758793	0.006206484	45.89115524	0.044448778	64.3489151	0.000903784	0.000903784	4.56419E-06	0.00437237	0.000860965	0.040570643	0.009094463	4.94386E-06	20.7884903	1.88782E-05	0.000122925	0.000180102	0.001418618
2052 Oct	162.9640198	0.129489109	0.160697162	0.006204472	45.88246918	0.044458482	64.35053253	0.000903844	0.000903844	4.56449E-06	0.004374709	0.000861305	0.040574126	0.009098381	4.94416E-06	20.7923851	1.8882E-05	0.00012298	0.000180121	0.001418768
2052 Nov	163.0055389	0.129522443	0.16073738	0.006206032	45.89408493	0.044470046	64.36688232	0.000904078	0.000904078	4.56568E-06	0.004375878	0.000861531	0.040584497	0.009100802	4.94544E-06	20.79776573	1.88869E-05	0.000123013	0.000180167	0.001419133
2052 Dec	163.0111389	0.129527107	0.16074276	0.006206242	45.89565659	0.04447167	64.36904144	0.000904112	0.000904112	4.56584E-06	0.004376051	0.000861563	0.040585887	0.00910116	4.94562E-06	20.79850769	1.88876E-05	0.000123017	0.000180174	0.001419184

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2053 Jan	163.0130157	0.129528672	0.160744488	0.006206309	45.8961792	0.044472203	64.36973572	0.000904123	0.000904123	4.5659E-06	0.004376111	0.000861576	0.040586334	0.009101324	4.94568E-06	20.79878426	1.88878E-05	0.000123019	0.000180177	0.001419201
2053 Feb	163.0182037	0.129532814	0.16074951	0.006206503	45.89764023	0.0444736	64.37174988	0.000904152	0.000904152	4.56605E-06	0.004376252	0.000861605	0.040587597	0.009101672	4.94584E-06	20.79948044	1.88884E-05	0.000123024	0.000180183	0.001419247
2053 Mar	163.0371704	0.129547894	0.160768166	0.006207223	45.90297318	0.044478767	64.37921143	0.000904257	0.000904257	4.56658E-06	0.004376762	0.000861706	0.040592305	0.009102763	4.94642E-06	20.80191994	1.88906E-05	0.000123039	0.000180205	0.001419412
2053 Apr	163.0959778	0.129594624	0.160826117	0.006209461	45.91953278	0.044494804	64.40242004	0.000904583	0.000904583	4.56823E-06	0.004378342	0.000862018	0.040606946	0.009106064	4.9482E-06	20.8094368	1.88974E-05	0.000123083	0.00018027	0.001419925
2053 May	163.1187592	0.129580662	0.160715327	0.006205389	45.91337967	0.044492044	64.37766266	0.000905252	0.000905252	4.57155E-06	0.00438476	0.000864154	0.040596128	0.009160236	4.95132E-06	20.84550858	1.89165E-05	0.000123658	0.000181104	0.001420768
2053 Jun	162.1901398	0.128607512	0.159262195	0.006150775	45.58480835	0.044217281	63.94906235	0.00090148	0.00090148	4.55237E-06	0.004379773	0.000865181	0.040343817	0.009245841	4.92948E-06	20.81904793	1.88737E-05	0.000124538	0.000182173	0.001414445
2053 Jul	162.6249237	0.128858969	0.159569323	0.006163228	45.68590927	0.044338364	64.13552094	0.000903888	0.000903888	4.56454E-06	0.004394366	0.000867997	0.040464584	0.009272242	4.94277E-06	20.87940216	1.89366E-05	0.000124957	0.000182679	0.001418328
2053 Aug	163.2882233	0.129337132	0.160150468	0.006185949	45.86088943	0.044524647	64.40727234	0.000907464	0.000907464	4.58261E-06	0.004412681	0.000871794	0.04063708	0.009310707	4.96245E-06	20.96736526	1.90144E-05	0.00012549	0.000183426	0.001424165
2053 Sep	163.7069092	0.129645541	0.160523921	0.006200493	45.97239304	0.044640686	64.57822418	0.000909699	0.000909699	4.59391E-06	0.004424132	0.000874133	0.04074534	0.009334542	4.97475E-06	21.02246666	1.90637E-05	0.000125823	0.000183895	0.001427823
2053 Oct	163.8153534	0.129718915	0.160601258	0.006203579	45.99821854	0.044671796	64.62522888	0.000910233	0.000910233	4.59661E-06	0.004427411	0.000874796	0.040775161	0.009340913	4.97773E-06	21.03752136	1.90774E-05	0.000125916	0.000184018	0.00142879
2053 Nov	163.8074646	0.1297106	0.160576046	0.006202704	45.99356842	0.044672292	64.62335205	0.000910197	0.000910197	4.59643E-06	0.004427802	0.000874847	0.040774573	0.009341414	4.97754E-06	21.03763962	1.90776E-05	0.000125924	0.000184014	0.001428765
2053 Dec	163.8099518	0.129712909	0.16057831	0.006202794	45.99425888	0.044673108	64.62428284	0.000910214	0.000910214	4.59651E-06	0.004427901	0.000874864	0.040775187	0.009341618	4.97763E-06	21.03800201	1.9078E-05	0.000125927	0.000184017	0.001428789
2054 Jan	163.8108215	0.129713699	0.160578981	0.006202822	45.99449921	0.044673372	64.6245575	0.00091022	0.00091022	4.59654E-06	0.004427936	0.000874872	0.040775377	0.009341748	4.97766E-06	21.03816414	1.90781E-05	0.000125928	0.000184019	0.001428798
2054 Feb	163.8132782	0.129715651	0.160581261	0.006202909	45.99517822	0.044674017	64.62546539	0.000910234	0.000910234	4.59661E-06	0.004428005	0.000874887	0.040775951	0.009341967	4.97774E-06	21.03852463	1.90784E-05	0.000125931	0.000184023	0.00142882
2054 Mar	163.8144379	0.129716605	0.160582334	0.00620295	45.99550629	0.044674322	64.62590027	0.00091024	0.00091024	4.59665E-06	0.004428038	0.000874895	0.040776219	0.009342077	4.97777E-06	21.03870201	1.90785E-05	0.000125932	0.000184025	0.001428831
2054 Apr	163.8653412	0.129756913	0.160632208	0.006204876	46.00979614	0.044688195	64.64596558	0.000910523	0.000910523	4.59808E-06	0.004429415	0.000875168	0.040788881	0.009345005	4.97932E-06	21.04525375	1.90844E-05	0.000125972	0.000184083	0.001429275
2054 May	164.0127716	0.129861146	0.16073814	0.006209023	46.04704666	0.044725813	64.69713593	0.000911443	0.000911443	4.60271E-06	0.004434744	0.000876452	0.040822193	0.009366168	4.98424E-06	21.07241249	1.91057E-05	0.000126221	0.000184446	0.001430712
2054 Jun	163.0715179	0.128875077	0.159324959	0.006156343	45.71763611	0.044459593	64.27939606	0.000907749	0.000907749	4.58393E-06	0.00443012	0.000876606	0.040579487	0.009423269	4.96291E-06	21.0269928	1.90641E-05	0.000126855	0.000185027	0.001424054
2054 Jul	162.8807526	0.12854445	0.158905149	0.006141721	45.62466431	0.044429246	64.22412872	0.00090722	0.00090722	4.58125E-06	0.004433102	0.00087705	0.04055455	0.009422577	4.95991E-06	21.01463699	1.90675E-05	0.000126924	0.000184881	0.00142289
2054 Aug	163.0860901	0.128613323	0.158954054	0.006144388	45.65882492	0.044505268	64.32195282	0.000908351	0.000908351	4.58698E-06	0.004440718	0.000878907	0.040621348	0.009439183	4.96621E-06	21.04912186	1.90927E-05	0.000127175	0.00018513	0.001424897
2054 Sep	163.1564941	0.128622025	0.158912435	0.006143393	45.66254044	0.044541705	64.3589325	0.000908799	0.000908799	4.58924E-06	0.004445057	0.000879875	0.040649671	0.009448233	4.96869E-06	21.06503296	1.91031E-05	0.000127323	0.000185228	0.001425698
2054 Oct	163.0385437	0.128526866	0.158713222	0.006136223	45.6182518	0.044524685	64.3167038	0.000908247	0.000908247	4.58645E-06	0.004445298	0.000879744	0.040626507	0.009447091	4.96564E-06	21.05587196	1.90953E-05	0.000127312	0.000185123	0.001424918
2054 Nov	162.9958496	0.12849699	0.158644885	0.006133782	45.60300827	0.044519253	64.30017853	0.000908083	0.000908083	4.58562E-06	0.004445553	0.000879708	0.040617581	0.00944711	4.96471E-06	21.05265808	1.90925E-05	0.000127312	0.000185087	0.00142465
2054 Dec	163.0033722	0.128503278	0.158651993	0.006134061	45.60510635	0.044521462	64.3030777	0.000908128	0.000908128	4.58585E-06	0.004445793	0.000879753	0.040619452	0.009447615	4.96495E-06	21.0536747	1.90934E-05	0.000127318	0.000185096	0.001424718
2055 Jan	163.003952	0.128503859	0.158652365	0.006134076	45.60526276	0.044521645	64.30323792	0.000908133	0.000908133	4.58587E-06	0.004445822	0.000879759	0.040619563	0.009447737	4.96498E-06	21.0538044	1.90935E-05	0.00012732	0.000185098	0.001424725
2055 Feb	163.004425	0.128504246	0.158652708	0.006134088	45.60539627	0.044521753	64.30336761	0.000908135	0.000908135	4.58588E-06	0.004445838	0.000879765	0.040619645	0.009447853	4.96499E-06	21.05391884	1.90936E-05	0.000127321	0.0001851	0.00142473
2055 Mar	163.009613	0.128508359	0.15865767	0.00613428	45.60684204	0.044523153	64.30538177	0.000908164	0.000908164	4.58603E-06	0.004445981	0.000879794	0.040620916	0.0094482	4.96515E-06	21.05461884	1.90942E-05	0.000127325	0.000185106	0.001424776
2055 Apr	163.0511017	0.128541052	0.158697993	0.006135839	45.61844635	0.044534475	64.32171631	0.000908396	0.000908396	4.5872E-06	0.004447113	0.000880019	0.040631238	0.009450632	4.96641E-06	21.05999184	1.90991E-05	0.000127358	0.000185154	0.001425139
2055 May	163.2280579	0.128680572	0.15887022	0.006142498	45.66795349	0.044582807	64.39152527	0.000909382	0.000909382	4.59218E-06	0.00445194	0.000880975	0.040675331	0.009460901	4.97181E-06	21.08285713	1.91198E-05	0.000127496	0.000185355	0.001426686
2055 Jun	162.1137238	0.127529517	0.157419503	0.006090448	45.29403305	0.044318859	63.93887711	0.000906173	0.000906173	4.57581E-06	0.004452689	0.000878527	0.040429745	0.009433554	4.95275E-06	20.96783257	1.90886E-05	0.000127479	0.000184349	0.001418174
2055 Jul	162.0035095	0.127263844	0.157078013	0.006079121	45.22303391	0.044307362	63.90672302	0.000906494	0.000906494	4.57739E-06	0.004461844	0.000879586	0.040424667	0.009440836	4.95415E-06	20.96737289	1.91161E-05	0.000127727	0.000184322	0.001417735
2055 Aug	162.5226746	0.127616122	0.157502905	0.006095918	45.35516739	0.044456888	64.12266541	0.000909317	0.000909317	4.59166E-06	0.004476713	0.00088274	0.04056238	0.009472305	4.96969E-06	21.03787231	1.91781E-05	0.00012816	0.000184918	0.001422375
2055 Sep	162.559433	0.127593741	0.157420889	0.006093352	45.34801102	0.04448298	64.14855194	0.000909512	0.000909512	4.59266E-06	0.00448	0.000883509	0.040583152	0.009478782	4.97084E-06	21.04935455	1.9185E-05	0.000128276	0.000184975	0.001422868
2055 Oct	162.6303253	0.127642661	0.157453537	0.006094802	45.36259842	0.044507019	64.17975616	0.0009099	0.0009099	4.59462E-06	0.004483	0.000884064	0.040603857	0.00948444	4.97298E-06	21.06063461	1.91954E-05	0.000128357	0.000185063	0.001423563
2055 Nov	162.6589661	0.127664492	0.157473162	0.006095609	45.3694725	0.044516172	64.19158173	0.000910066	0.000910066	4.59545E-06	0.004484087	0.000884264	0.040611632	0.009486586	4.97389E-06	21.06488609	1.91993E-05	0.000128386	0.000185098	0.001423835
2055 Dec	162.6630402	0.127667576	0.157476023	0.006095727	45.37046432	0.044517454	64.19326782	0.000910089	0.000910089	4.59557E-06	0.004484237	0.000884292	0.040612735	0.009486882	4.97402E-06	21.06548691	1.91998E-05	0.000128391	0.000185103	0.001423873
2056 Jan	162.664917	0.127669215	0.157477617	0.006095789	45.37097549	0.044518005	64.19392395	0.000910101	0.000910101	4.59563E-06	0.004484306	0.000884306	0.040613167	0.009487101	4.97408E-06	21.06579781	1.92001E-05	0.000128393	0.000185107	0.001423892
2056 Feb	162.6666412	0.127670601	0.157479122	0.006095846	45.37145233	0.044518445	64.1945343	0.000910111	0.000910111	4.59568E-06	0.004484357	0.000884319	0.040613547	0.009487312	4.97414E-06	21.06608772	1.92003E-05	0.000128395	0.000185111	0.001423908
2056 Mar	162.6737061	0.127676144	0.157485858	0.006096107	45.37342072	0.044520359	64.19728088	0.000910151	0.000910151	4.59588E-06	0.004484553	0.00088436	0.040615283	0.009487784	4.97435E-06	21.06703758	1.92011E-05	0.000128402	0.000185119	0.00142397
2056 Apr	162.7227936	0.127714694	0.157533333	0.006097944	45.38710785	0.044533782	64.21662903	0.000910426	0.000910426	4.59727E-06	0.004485907	0.000884627	0.040627521	0.00949068	4.97585E-06	21.07341576	1.92069E-05	0.000128441	0.000185176	0.0014244
2056 May	162.8088226	0.127760231	0.157526597	0.006097822	45.40257263	0.044551026	64.22810364	0.00091126	0.00091126	4.60144E-06	0.004492108	0.000886445	0.040637944	0.009531206	4.98006E-06	21.10684395	1.9228E-05	0.000128882	0.000185818	0.001425583
2056 Jun	161.9573212	0.126868799	0.156187817	0.006047385	45.10118484	0.044295359	63.83224487	0.000907746	0.000907746	4.58358E-06	0.004487183	0.0008875	0.040403895	0.009614509	4.95974E-06	21.0854969	1.9188E-05	0.000129728	0.000186887	0.001419807
2056 Jul	162.4799347	0.127201527	0.156593189	0.006063702	45.22992706	0.044446442	64.0484314	0.000910814	0.000910814	4.59908E-06	0.00450448	0.000890922	0.040544052	0.009648849	4.97651E-06	21.15820694	1.92591E-05	0.000130221	0.000187513	0.001424572
2056 Aug	162.8601532	0.127420321	0.156847194	0.006074119	45.31774902	0.044564225	64.21279907	0.000912915	0.000912915	4.6097E-06	0.004516226	0.000893567	0.040650349	0.009674272	4.9881E-06	21.21298981	1.93052E-05	0.000130567	0.000187962	0.001428095
2056 Sep	163.1645813	0.127633348	0.157076389	0.006083278	45.39269257	0.044653852	64.3404541	0.000914546	0.000914546	4.61794E-06	0.004525779	0.000895486	0.040732518	0.009693805	4.9971E-06	21.25574303	1.93435E-05	0.000130845	0.000188319	0.001430842
2056 Oct	163.0371857	0.127521411	0.156861916	0.006075484	45.34431076	0.044632368	64.29743958	0.00091385	0.00091385	4.61443E-06	0.00452525	0.000895253	0.040708147	0.009690756	4.99334E-06	21.24485207	1.9334E-05	0.000130813	0.000188194	0.00142994
2056 Nov	163.0315247	0.127516732	0.156838089	0.006074678	45.34029007	0.044634186	64.29612732	0.000913842	0.000913842	4.61439E-06	0.004525854	0.000895332	0.040708084	0.009691662	4.99328E-06	21.24543762	1.93346E-05	0.000130826	0.000188193	0.001429946
2056 Dec	163.0363617	0.127520859	0.156842545	0.006074855	45.34162903	0.044635661	64.297966	0.000913873	0.000913873	4.61454E-06	0.004526021	0.000895363	0.040709291	0.009692016	4.99345E-06	21.24611282	1.93352E-05	0.000130831	0.000188199	0.001429991
2057 Jan	163.0383148	0.127522528	0.156844258	0.006074922	45.34217072	0.044636223	64.29867554	0.000913885	0.000913885	4.61461E-06	0.004526088	0.000895377	0.040709749	0.009692216	4.99351E-06	21.246418	1.93355E-05	0.000130833	0.000188202	0.001430009
2057 Feb	163.0396729	0.127523601	0.156845436	0.006074967	45.34254074	0.04463657	64.29914856	0.000913893	0.000913893	4.61465E-06	0.004526129	0.000895387	0.040710051	0.009692381	4.99356E-06	21.24664688	1.93357E-05	0.000130835	0.000188205	0.001430022
2057 Mar	163.0527344	0.127533823	0.156857923	0.006075451	45.34617233	0.044640131	64.30426788	0.000913966	0.000913966	4.61502E-06	0.004526493	0.00089546	0.040713292	0.009693204	4.99396E-06	21.24837875	1.93372E-05	0.000130846	0.000188221	0.001430137
2057 Apr	163.1049347	0.127574667	0.156908095	0.006077394	45.36068726	0.044654414	64.32484436	0.000914259	0.000914259	4.61649E-06	0.004527943	0.000895747	0.040726312	0.009696334	4.99556E-06	21.25519562	1.93434E-05	0.000130888	0.000188282	0.001430595
2057 May	163.3096466	0.127729133	0.157082245	0.006084173	45.41544724	0.044708848	64.39995575	0.000915494	0.000915494	4.62272E-06	0.004534584	0.000897211	0.040774658	0.009717435	5.00222E-06	21.28748322	1.93704E-05	0.000131146	0.000188655	0.001432498
2057 Jun	162.3047485	0.126687363	0.15564087	0.006031056	45.06977463	0.044438716	63.9594574	0.000912041	0.000912041	4.60514E-06	0.004532401	0.000896796	0.040524501	0.009756283	4.98195E-06	21.22399139	1.93338E-05	0.00013166	0.00018886	0.00142528
2057 Jul	162.6286926	0.126834035	0.155814692	0.006038694	45.13592911	0.044534776	64.0994339	0.000914123	0.000914123	4.61565E-06	0.00454652	0.000899348	0.040619269	0.009780403	4.99329E-06	21.27282333	1.93908E-05	0.000132063	0.000189271	0.001428333
2057 Aug	163.520874	0.127496019	0.156623036	0.006070185	45.37572479	0.04478154	64.45891571	0.000919026	0.000919026	4.64042E-06	0.004571498	0.000904421	0.040847212	0.00983383	5.02018E-06	21.39100647	1.94975E-05	0.000132794	0.000190307	0.001436189
2057 Sep	163.7787018	0.127659261	0.156795904	0.006077156	45.43542862	0.044856969	64.57135773	0.000920315	0.000920315	4.64694E-06	0.004579377	0.000906071	0.040919319	0.009849714	5.02737E-06	21.42762375	1.953E-05	0.000133029	0.000190606	0.001438495
2057 Oct	163.783905	0.127645716	0.156740218	0.006075269	45.4277153	0.044864252	64.58046722	0.000920268	0.000920268	4.64671E-06	0.004580813	0.000906333	0.040926117	0.009851511	5.0272E-06	21.43125916	1.95335E-05	0.000133064	0.000190619	0.001438629
2057 Nov	163.8172455	0.127671272	0.15676637	0.006076317	45.43616867	0.044874333	64.59399414	0.00092046	0.00092046	4.64768E-06	0.004581957	0.000906549	0.040934894	0.009853847	5.02825E-06	21.43600655	1.95379E-05	0.000133096	0.000190659	0.001438938
2057 Dec	163.8230896	0.127676114	0.156771779	0.00607653	45.4377861	0.044876054	64.59623718	0.000920495	0.000920495	4.64786E-06	0.004582149	0.000906584	0.040936351	0.009854255	5.02844E-06	21.43680763	1.95386E-05	0.000133102	0.000190666	0.001438991
2058 Jan	163.8233185	0.127676412	0.156771868	0.006076534	45.43784714	0.044876151	64.59628296	0.000920498	0.000920498	4.64787E-06	0.004582166	0.000906588	0.040936381	0.009854342	5.02845E-06	21.43688393	1.95386E-05	0.000133102	0.000190667	0.001438994
2058 Feb	163.8240204	0.127676979	0.156772435	0.006076555	45.43804169	0.044876322	64.59650421	0.000920502	0.000920502	4.64789E-06	0.004582188	0.000906595	0.040936526	0.009854456	5.02847E-06	21.43701935	1.95387E-05	0.000133104	0.000190669	0.001439001
2058 Mar	163.828064	0.127680138	0.156776235	0.006076702	45.43915558	0.04487741	64.59806824	0.000920525	0.000920525	4.64801E-06	0.004582302	0.000906618	0.040937517	0.009854737	5.0286E-06	21.43757057	1.95392E-05	0.000133107	0.000190675	0.001439037
2058 Apr	163.8604736	0.12770541	0.156807214	0.006077903	45.44814682	0.044886284	64.61083221	0.000920707	0.000920707	4.64893E-06	0.004583209	0.000906798	0.040945608	0.00985671	5.02959E-06	21.44182396	1.95431E-05	0.000133134	0.000190713	0.001439322
2058 May	163.9088898	0.127717361	0.15674305	0.006075589	45.45129776	0.044891655	64.60127258	0.000921429	0.000921429	4.65252E-06	0.004589359	0.000908755	0.040943541	0.009904234	5.03309E-06	21.47607422	1.95624E-05	0.000133642	0.000191453	0.001440288
2058 Jun	162.5056915	0.126328558	0.154709995	0.005998651	44.97710419	0.044475932	63.96418762	0.000915264	0.000915264	4.62123E-06	0.004575199	0.00090872	0.040562015	0.010001788	4.99787E-06	21.41371918	1.94767E-05	0.000134571	0.000192609	0.00143025
2058 Jul	162.8839417	0.126525819	0.154947028	0.006008492	45.06010056	0.044583127	64.12866974	0.000917404	0.000917404	4.63205E-06	0.004588817	0.000911356	0.040669568	0.010026576	5.00966E-06	21.46812057	1.95345E-05	0.000134968	0.00019307	0.001433686
2058 Aug	163.4043732	0.126872361	0.155361488	0.006024924	45.19083405	0.044732988	64.3455658	0.000920233	0.000920233	4.64634E-06	0.004603956	0.000914592	0.040808093	0.0100594	5.02524E-06	21.53986549	1.95975E-05	0.000135419	0.000193686	0.001438356
2058 Sep	163.4061737	0.126832843	0.155229434	0.006020483	45.1716156	0.044750396	64.3598175	0.000920182	0.000920182	4.6461E-06	0.004607118	0.000915202	0.040820926	0.010064005	5.02508E-06	21.54737854	1.9603E-05	0.000135506	0.000193704	0.001438594
2058 Oct	163.3506775	0.126790002	0.155102789	0.006016058	45.14648056	0.044749163	64.34159088	0.00091997	0.00091997	4.64503E-06	0.00460867	0.000915337	0.04081253	0.010065591	5.02389E-06	21.5453968	1.96016E-05	0.000135531	0.000193661	0.001438333
2058 Nov	163.3774719	0.126811475	0.155120328	0.006016796	45.15288162	0.044758201	64.35238647	0.000920137	0.000920137	4.64587E-06	0.004609806	0.00091554	0.040819775	0.010067875	5.0248E-06	21.54955673	1.96054E-05	0.000135562	0.000193695	0.001438597
2058 Dec	163.3800354	0.126813784	0.155122593	0.006016886	45.15358353	0.044759043	64.35333252	0.000920155	0.000920155	4.64596E-06	0.00460991	0.000915558	0.040820412	0.010068096	5.0249E-06	21.54993439	1.96058E-05	0.000135565	0.000193699	0.001438622
2059 Jan	163.3800964	0.126813948	0.155122474	0.006016883	45.15359497	0.044759084	64.35328674	0.000920156	0.000920156	4.64597E-06	0.004609923	0.000915562	0.040820397	0.010068179	5.0249E-06	21.5499897	1.96058E-05	0.000135565	0.0001937	0.001438624
2059 Feb	163.3808289	0.126814544	0.15512304	0.006016904	45.15379333	0.044759259	64.35351563	0.000920161	0.000920161	4.64599E-06	0.004609946	0.000915568	0.040820543	0.010068305	5.02493E-06	21.55013657	1.96059E-05	0.000135567	0.000193702	0.001438631
2059 Mar	163.3812256	0.126814842	0.155123338	0.006016916	45.15389633	0.044759352	64.35364532	0.000920163	0.000920163	4.646E-06	0.004609959	0.000915572	0.040820617	0.010068372	5.02494E-06	21.55021477	1.96059E-05	0.000135567	0.000193703	0.001438635
2059 Apr	163.4196472	0.126844689	0.155159801	0.006018329	45.16451645	0.044769872	64.36875916	0.00092038	0.00092038	4.64709E-06	0.004611044	0.000915788	0.04083021	0.010070765	5.02612E-06	21.55529785	1.96105E-05	0.0001356	0.000193749	0.001438974
2059 May	163.5445862	0.126928627	0.155220062	0.006020758	45.19371796	0.044799883	64.40232086	0.00092133	0.00092133	4.65187E-06	0.004617156	0.000917396	0.040853672	0.010102517	5.03107E-06	21.58678627	1.96328E-05	0.000135956	0.000194266	0.001440365
2059 Jun	163.2663269	0.126570687	0.154604048	0.005997799	45.07484818	0.044706833	64.24317169	0.000920745	0.000920745	4.64882E-06	0.00462266	0.000919983	0.040764596	0.010184757	5.02698E-06	21.6155014	1.96419E-05	0.000136842	0.000195456	0.001439163
2059 Jul	164.0796661	0.127160758	0.15532276	0.00602598	45.29036713	0.044931669	64.5691452	0.000925369	0.000925369	4.67217E-06	0.004647146	0.000924809	0.040973105	0.01023647	5.05225E-06	21.72524643	1.97455E-05	0.000137564	0.000196437	0.00144639
2059 Aug	164.77742	0.127670228	0.15594022	0.006050092	45.47572327	0.045125216	64.85098267	0.000929204	0.000929204	4.69154E-06	0.004666952	0.000928871	0.04115212	0.01027976	5.07329E-06	21.81899261	1.98297E-05	0.000138154	0.000197268	0.00145256
2059 Sep	164.9657593	0.127779618	0.156022772	0.006053723	45.51306534	0.045186233	64.93683624	0.000930144	0.000930144	4.6963E-06	0.004673942	0.000930293	0.041208491	0.010293376	5.07856E-06	21.84840012	1.98557E-05	0.000138359	0.000197497	0.001454335
2059 Oct	164.4266052	0.127373561	0.155314758	0.006027638	45.33874512	0.045079462	64.73196411	0.000927467	0.000927467	4.68277E-06	0.004667789	0.000928528	0.041087922	0.010274646	5.0638E-06	21.79211044	1.98056E-05	0.000138112	0.000196919	0.001450251
2059 Nov	164.3948059	0.127357021	0.155260384	0.006025745	45.32726288	0.045077872	64.71878052	0.000927393	0.000927393	4.68239E-06	0.004668489	0.000928557	0.041081313	0.010275515	5.06334E-06	21.790308	1.98042E-05	0.000138121	0.000196894	0.001450099

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2059 Dec	164.3967438	0.127358854	0.155261993	0.006025812	45.32778549	0.045078546	64.71946716	0.000927407	0.000927407	4.68246E-06	0.004668576	0.000928571	0.04108179	0.0102757	5.06341E-06	21.79060745	1.98044E-05	0.000138124	0.000196897	0.00145011
2060 Jan	164.3984833	0.127360329	0.155263469	0.00602587	45.32825851	0.045079045	64.72007751	0.000927418	0.000927418	4.68251E-06	0.004668638	0.000928584	0.041082192	0.010275892	5.06347E-06	21.79088783	1.98047E-05	0.000138126	0.0001969	0.001450126
2060 Feb	164.4004517	0.127361879	0.155265197	0.006025937	45.32880402	0.045079563	64.72080231	0.000927429	0.000927429	4.68257E-06	0.004668697	0.000928598	0.041082647	0.010276101	5.06353E-06	21.79120255	1.98049E-05	0.000138128	0.000196904	0.001450144
2060 Mar	164.4071655	0.127367094	0.155271471	0.00602618	45.33065033	0.045081388	64.72341156	0.000927467	0.000927467	4.68276E-06	0.004668889	0.000928638	0.041084301	0.010276566	5.06374E-06	21.79211998	1.98057E-05	0.000138134	0.000196913	0.001450204
2060 Apr	164.4616699	0.127409324	0.155322909	0.006028175	45.34567642	0.045096327	64.74485016	0.000927775	0.000927775	4.68432E-06	0.004670437	0.000928946	0.041097913	0.010279998	5.06542E-06	21.79936028	1.98123E-05	0.00013818	0.000196978	0.001450685
2060 May	164.420517	0.127340645	0.15512602	0.006020783	45.31968689	0.045073513	64.68740082	0.000928187	0.000928187	4.68633E-06	0.00467612	0.000931137	0.041067176	0.010341545	5.06702E-06	21.83400154	1.98267E-05	0.000138819	0.000197912	0.001451096
2060 Jun	163.6978607	0.126577616	0.15396966	0.005977112	45.06208801	0.044851832	64.34677887	0.000925184	0.000925184	4.67106E-06	0.004672023	0.000932305	0.04086512	0.010420891	5.04963E-06	21.82133102	1.97937E-05	0.00013962	0.000198968	0.00144626
2060 Jul	164.4780884	0.127127722	0.154636309	0.006003354	45.26498032	0.045067668	64.66204834	0.000929602	0.000929602	4.69337E-06	0.004695944	0.000937033	0.041067157	0.01047129	5.07381E-06	21.92777252	1.9895E-05	0.000140331	0.000199922	0.001453211
2060 Aug	164.8427124	0.127321497	0.154842719	0.006011994	45.34360504	0.045181785	64.82394409	0.000931512	0.000931512	4.70304E-06	0.004707432	0.000939653	0.041173164	0.010496225	5.08443E-06	21.98224258	1.99396E-05	0.000140698	0.000200359	0.00145655
2060 Sep	164.405777	0.126903504	0.154197425	0.005988511	45.19103241	0.045109611	64.66605377	0.000929421	0.000929421	4.69247E-06	0.004701695	0.000938621	0.041086625	0.010482253	5.07292E-06	21.94040489	1.98913E-05	0.000140562	0.000199866	0.001453215
2060 Oct	164.2776337	0.126811013	0.153986707	0.005980973	45.14417267	0.045093514	64.61888123	0.000928871	0.000928871	4.68968E-06	0.004702268	0.000938477	0.041061044	0.010480944	5.06985E-06	21.93023872	1.98826E-05	0.000140547	0.00019974	0.001452392
2060 Nov	164.219986	0.126772836	0.153904647	0.005978016	45.12501144	0.045084961	64.59619141	0.000928637	0.000928637	4.6885E-06	0.004702243	0.000938363	0.041048378	0.010480055	5.06853E-06	21.92505074	1.98781E-05	0.000140534	0.000199682	0.001452003
2060 Dec	164.2259216	0.126777813	0.153909966	0.005978227	45.12663269	0.04508676	64.59843445	0.000928675	0.000928675	4.68869E-06	0.004702451	0.000938401	0.041049849	0.01048051	5.06873E-06	21.92589188	1.98789E-05	0.00014054	0.00019969	0.001452059
2061 Jan	164.2263489	0.126778305	0.153910175	0.005978236	45.12674713	0.045086913	64.59853363	0.000928679	0.000928679	4.68871E-06	0.004702478	0.000938407	0.041049924	0.010480634	5.06875E-06	21.92601013	1.9879E-05	0.000140541	0.000199691	0.001452064
2061 Feb	164.2268829	0.126778752	0.153910533	0.005978249	45.12688828	0.045087028	64.59867096	0.000928682	0.000928682	4.68873E-06	0.004702496	0.000938413	0.041050013	0.010480765	5.06876E-06	21.92613792	1.9879E-05	0.000140542	0.000199694	0.00145207
2061 Mar	164.230545	0.126781583	0.15391387	0.005978379	45.12789154	0.045088019	64.60007477	0.000928703	0.000928703	4.68883E-06	0.004702603	0.000938436	0.041050907	0.01048105	5.06888E-06	21.92666054	1.98795E-05	0.000140546	0.000199699	0.001452103
2061 Apr	164.2827911	0.126821905	0.153962791	0.005980278	45.14224625	0.045102347	64.62059784	0.000928998	0.000928998	4.69032E-06	0.004704099	0.000938735	0.041063949	0.010484415	5.07049E-06	21.93365097	1.98858E-05	0.000140591	0.000199763	0.001452565
2061 May	164.2361603	0.126753926	0.15375939	0.005972637	45.11548233	0.045077659	64.55591583	0.000929475	0.000929475	4.69265E-06	0.004710219	0.000941062	0.041029241	0.010550569	5.07236E-06	21.9702816	1.99008E-05	0.000141274	0.000200762	0.001452993
2061 Jun	163.094574	0.12561062	0.152135044	0.005910999	44.72977066	0.044737585	64.06026459	0.000923944	0.000923944	4.66463E-06	0.004694877	0.000940098	0.040728901	0.010605335	5.04132E-06	21.90531731	1.98228E-05	0.000141771	0.000201361	0.001444462
2061 Jul	163.8074799	0.126091659	0.152714372	0.005934006	44.9103508	0.04493802	64.35088348	0.000928025	0.000928025	4.68525E-06	0.004717483	0.000944612	0.040916007	0.01065311	5.06365E-06	22.00439072	1.99173E-05	0.000142445	0.000202248	0.001450886
2061 Aug	164.5079346	0.126594931	0.153319761	0.005957711	45.09430313	0.045133051	64.63432312	0.000931885	0.000931885	4.70474E-06	0.004737685	0.000948798	0.041096274	0.010698296	5.08481E-06	22.09989166	2.00027E-05	0.000143057	0.000203108	0.001457118
2061 Sep	164.6947784	0.126693547	0.15340744	0.005961445	45.13162613	0.045190152	64.72079468	0.000932749	0.000932749	4.70912E-06	0.004743766	0.000950124	0.041152235	0.010710446	5.08971E-06	22.12813759	2.00272E-05	0.000143245	0.00020333	0.001458815
2061 Oct	164.2142792	0.126314968	0.152779579	0.00593818	44.97536469	0.045089561	64.5437851	0.000930173	0.000930173	4.69612E-06	0.004736781	0.000948346	0.041046437	0.010689299	5.07565E-06	22.07545853	1.99806E-05	0.000142978	0.000202776	0.001455054
2061 Nov	164.084198	0.126223668	0.152609572	0.005931959	44.93377304	0.045065839	64.49323273	0.000929576	0.000929576	4.6931E-06	0.004735694	0.000947951	0.041017134	0.010685281	5.07232E-06	22.06212616	1.99689E-05	0.000142923	0.000202634	0.001454098
2061 Dec	164.0880737	0.126227036	0.152612939	0.005932095	44.93482971	0.045067072	64.49466705	0.000929601	0.000929601	4.69323E-06	0.004735844	0.000947978	0.041018095	0.010685609	5.07246E-06	22.06269455	1.99694E-05	0.000142927	0.000202639	0.001454136
2062 Jan	164.089325	0.126228154	0.152613923	0.005932134	44.93516541	0.045067448	64.49508667	0.00092961	0.00092961	4.69327E-06	0.004735895	0.000947989	0.041018374	0.010685785	5.07251E-06	22.06292152	1.99696E-05	0.000142929	0.000202642	0.001454148
2062 Feb	164.0912476	0.126229659	0.152615562	0.005932197	44.93568802	0.045067947	64.49577332	0.000929621	0.000929621	4.69333E-06	0.004735953	0.000948003	0.04101881	0.010686006	5.07257E-06	22.06323814	1.99698E-05	0.000142932	0.000202646	0.001454166
2062 Mar	164.1066437	0.12624152	0.152629793	0.00593275	44.93990326	0.045072161	64.50179291	0.000929709	0.000929709	4.69377E-06	0.004736399	0.000948093	0.041022636	0.010687061	5.07304E-06	22.06534004	1.99717E-05	0.000142946	0.000202666	0.001454303
2062 Apr	164.1620026	0.126284122	0.152681261	0.00593475	44.95506287	0.04508736	64.52353668	0.000930022	0.000930022	4.69535E-06	0.004737998	0.000948414	0.041036468	0.010690696	5.07476E-06	22.0728035	1.99784E-05	0.000142994	0.000202735	0.001454794
2062 May	164.3163147	0.12640281	0.152824745	0.005940327	44.99731445	0.045129731	64.58416748	0.000930897	0.000930897	4.69977E-06	0.004742452	0.000949306	0.041075028	0.010700759	5.07953E-06	22.09355927	1.99972E-05	0.000143129	0.000202925	0.001456162
2062 Jun	163.4319458	0.125497028	0.151705027	0.005900235	44.70424271	0.044920605	64.22580719	0.000928407	0.000928407	4.68707E-06	0.00474289	0.000947109	0.040880907	0.010672634	5.0647E-06	21.99757004	1.99726E-05	0.000143055	0.000202024	0.001449331
2062 Jul	163.1718445	0.125106022	0.151216924	0.005883504	44.59063721	0.044872459	64.13198853	0.000928173	0.000928173	4.68583E-06	0.004750003	0.000947491	0.040839817	0.010671343	5.06292E-06	21.97751236	1.99885E-05	0.000143215	0.000201799	0.001447652
2062 Aug	163.3210144	0.125118613	0.151194051	0.005883595	44.60675049	0.044939831	64.20776367	0.000929121	0.000929121	4.69062E-06	0.00475684	0.000949257	0.040893886	0.010686826	5.06816E-06	22.00632858	2.00072E-05	0.000143437	0.000201993	0.001449283
2062 Sep	163.1770172	0.124969624	0.150903746	0.005873227	44.54509735	0.044925306	64.1641922	0.000928358	0.000928358	4.68678E-06	0.004757074	0.000949225	0.040872127	0.010684317	5.06405E-06	21.99641228	1.99959E-05	0.000143431	0.000201833	0.001448331
2062 Oct	162.1317139	0.124211945	0.149625659	0.005825863	44.22097397	0.044709511	63.76015472	0.000923169	0.000923169	4.66054E-06	0.004742518	0.000945298	0.04063151	0.010642027	5.0354E-06	21.88076019	1.98926E-05	0.000142862	0.000200651	0.001440228
2062 Nov	162.1333923	0.124226369	0.149611905	0.005825524	44.2202301	0.044716969	63.75856781	0.000923315	0.000923315	4.66127E-06	0.004744141	0.000945498	0.040632315	0.010645104	5.03611E-06	21.88313866	1.98949E-05	0.000142898	0.000200667	0.001440362
2062 Dec	162.1379395	0.124230199	0.149615914	0.005825684	44.22146606	0.044718366	63.76028061	0.000923344	0.000923344	4.66142E-06	0.004744307	0.000945529	0.040633451	0.010645466	5.03627E-06	21.88379478	1.98955E-05	0.000142903	0.000200673	0.001440405
2063 Jan	162.1391602	0.124231257	0.149616867	0.005825722	44.22179413	0.044718735	63.76069641	0.000923352	0.000923352	4.66146E-06	0.004744356	0.000945539	0.040633727	0.010645631	5.03631E-06	21.88401031	1.98957E-05	0.000142905	0.000200676	0.001440417
2063 Feb	162.1408997	0.124232627	0.149618372	0.00582578	44.22227097	0.044719189	63.76132202	0.000923363	0.000923363	4.66151E-06	0.004744409	0.000945552	0.040634129	0.010645829	5.03637E-06	21.88429832	1.98959E-05	0.000142907	0.000200679	0.001440433
2063 Mar	162.1444855	0.124235377	0.149621606	0.005825905	44.2232399	0.044720162	63.76270294	0.000923383	0.000923383	4.66161E-06	0.004744515	0.000945574	0.040635001	0.010646109	5.03648E-06	21.88480759	1.98963E-05	0.000142911	0.000200684	0.001440466
2063 Apr	162.1742096	0.124258161	0.149648979	0.005826971	44.23134613	0.044728354	63.77437592	0.000923553	0.000923553	4.66247E-06	0.004745386	0.000945748	0.04064244	0.010648088	5.0374E-06	21.88883781	1.99E-05	0.000142937	0.000200721	0.00144073
2063 May	162.2299652	0.12428271	0.149619833	0.005825964	44.23923111	0.044737492	63.77449036	0.000924206	0.000924206	4.66573E-06	0.004750541	0.000947332	0.040645495	0.010685253	5.04063E-06	21.91724968	1.99168E-05	0.000143337	0.000201305	0.001441627
2063 Jun	160.4015961	0.122539133	0.147179261	0.005733803	43.64548874	0.044209491	62.96049118	0.000916356	0.000916356	4.62589E-06	0.004729727	0.000945313	0.040159121	0.010760274	4.99581E-06	21.80006218	1.97978E-05	0.000144032	0.000201957	0.001428002
2063 Jul	160.3852692	0.122375943	0.146975607	0.005727001	43.60749817	0.044211082	62.97634506	0.000916398	0.000916398	4.62612E-06	0.004734832	0.000946066	0.040175579	0.010761761	4.99615E-06	21.8048439	1.98185E-05	0.000144168	0.00020195	0.001428036
2063 Aug	161.0422668	0.122840822	0.1475261	0.0057487	43.77772141	0.044397525	63.24195862	0.000920093	0.000920093	4.64478E-06	0.004754549	0.00095015	0.040345799	0.01080627	5.01638E-06	21.89616394	1.98998E-05	0.000144771	0.000202774	0.001433943
2063 Sep	161.1632233	0.12289162	0.147540867	0.005749836	43.79656219	0.044446193	63.29846954	0.000920809	0.000920809	4.6484E-06	0.004760051	0.000951345	0.040386014	0.010817828	5.02033E-06	21.91810036	1.9916E-05	0.000144951	0.000202928	0.001435168
2063 Oct	160.9962006	0.122755259	0.147295177	0.005740818	43.73820496	0.044414781	63.24026871	0.000919881	0.000919881	4.64371E-06	0.004758271	0.000950827	0.04035186	0.010810921	5.0153E-06	21.90102386	1.9901E-05	0.000144869	0.000202732	0.001433907
2063 Nov	161.0005493	0.122759551	0.147286057	0.005740558	43.73770142	0.044418748	63.24248886	0.000919929	0.000919929	4.64396E-06	0.004759006	0.000950936	0.040353902	0.010812161	5.01555E-06	21.90259552	1.99025E-05	0.000144886	0.000202741	0.00143399
2063 Dec	161.009079	0.12276639	0.147293657	0.005740858	43.74001312	0.044421244	63.24576569	0.000919981	0.000919981	4.64422E-06	0.00475929	0.00095099	0.040356033	0.010812799	5.01583E-06	21.90379524	1.99036E-05	0.000144894	0.000202752	0.001434068
2064 Jan	161.0104065	0.122767538	0.147294715	0.0057409	43.74036789	0.044421643	63.24621964	0.00091999	0.00091999	4.64426E-06	0.004759342	0.000951001	0.040356331	0.010812972	5.01588E-06	21.90402985	1.99038E-05	0.000144896	0.000202755	0.001434082
2064 Feb	161.0130768	0.122769602	0.14729704	0.00574099	43.74109268	0.044422355	63.24721146	0.00092006	0.00092006	4.64434E-06	0.004759423	0.00095102	0.040356964	0.010813237	5.01597E-06	21.90444565	1.99041E-05	0.0001449	0.00020276	0.001434106
2064 Mar	161.0306702	0.122783035	0.147313058	0.005741613	43.74586868	0.044427194	63.25408936	0.000920106	0.000920106	4.64485E-06	0.004759945	0.000951125	0.040361352	0.010814465	5.01651E-06	21.90686607	1.99063E-05	0.000144916	0.000202782	0.001434263
2064 Apr	161.0626831	0.122807458	0.147342309	0.005742754	43.75456619	0.044436019	63.26664352	0.000920289	0.000920289	4.64577E-06	0.004760892	0.000951315	0.040369362	0.01081664	5.01751E-06	21.91123772	1.99102E-05	0.000144945	0.000202823	0.001434549
2064 May	161.0152435	0.122739747	0.147169888	0.005736236	43.72957611	0.044412851	63.21520233	0.000920511	0.000920511	4.64684E-06	0.004764854	0.000952983	0.040341012	0.010865191	5.01822E-06	21.93720055	1.99198E-05	0.000145445	0.000203561	0.001434742
2064 Jun	159.8616791	0.121601328	0.145509914	0.005673056	43.34216309	0.04406096	62.68907166	0.000915217	0.000915217	4.61998E-06	0.004751098	0.000952894	0.04002253	0.010949056	4.98812E-06	21.88773537	1.98449E-05	0.000146218	0.000204614	0.001426421
2064 Jul	160.3256836	0.121870883	0.145828083	0.00568615	43.45009232	0.044198476	62.88308716	0.000918001	0.000918001	4.63404E-06	0.004767591	0.000956231	0.040149525	0.010983434	5.00332E-06	21.95568848	1.99111E-05	0.000146705	0.000205217	0.001430756
2064 Aug	160.5757294	0.121974722	0.145936683	0.005691063	43.49868011	0.044283584	62.99728775	0.000919415	0.000919415	4.64119E-06	0.004776231	0.000958318	0.040224671	0.011002932	5.01115E-06	21.99509811	1.99426E-05	0.000146965	0.000205534	0.001433204
2064 Sep	160.367157	0.121767767	0.145576358	0.005678146	43.41846085	0.044258978	62.92725372	0.000918422	0.000918422	4.63617E-06	0.004775022	0.000958059	0.040188693	0.010997448	5.00571E-06	21.97770691	1.99213E-05	0.000146927	0.000205284	0.001431722
2064 Oct	160.3974304	0.121799141	0.145562902	0.005677956	43.42171097	0.044277679	62.93954849	0.000918716	0.000918716	4.63765E-06	0.004778195	0.000958539	0.040198971	0.011003239	5.00726E-06	21.98532677	1.99285E-05	0.000147004	0.000205337	0.00143216
2064 Nov	160.4473114	0.12183746	0.145607948	0.005679718	43.435215	0.044291634	62.95904541	0.000919006	0.000919006	4.63911E-06	0.004779722	0.000958842	0.040211473	0.01100674	5.00883E-06	21.99221611	1.99348E-05	0.00014705	0.000205401	0.001432609
2064 Dec	160.4520721	0.121841297	0.145612136	0.005679884	43.43650055	0.044293039	62.96086121	0.000919035	0.000919035	4.63926E-06	0.004779885	0.000958872	0.040212661	0.011007108	5.00899E-06	21.99289513	1.99354E-05	0.000147055	0.000205407	0.001432653
2065 Jan	160.4528656	0.121841982	0.145612761	0.005679909	43.43671417	0.044293281	62.96113968	0.00091904	0.00091904	4.63929E-06	0.004779916	0.000958879	0.04021284	0.011007216	5.00902E-06	21.99303818	1.99355E-05	0.000147056	0.000205409	0.001432661
2065 Feb	160.4555511	0.121844038	0.145615116	0.00568	43.43743896	0.044294003	62.96215057	0.000919056	0.000919056	4.63937E-06	0.004779998	0.000958897	0.040213488	0.011007454	5.0091E-06	21.99343872	1.99358E-05	0.000147059	0.000205413	0.001432685
2065 Mar	160.4749451	0.121858761	0.145632654	0.005680684	43.44268417	0.044299345	62.96973801	0.000919167	0.000919167	4.63993E-06	0.004780576	0.000959014	0.040218331	0.011008813	5.00971E-06	21.99611282	1.99382E-05	0.000147077	0.000205439	0.001432858
2065 Apr	160.5311737	0.121901482	0.145683676	0.005682674	43.45790482	0.044314865	62.99179077	0.000919489	0.000919489	4.64155E-06	0.004782252	0.00095935	0.04023242	0.011012687	5.01147E-06	22.00383186	1.99452E-05	0.000147129	0.000205511	0.001433361
2065 May	160.6027069	0.121934466	0.145650089	0.005681522	43.46847534	0.044326782	62.99240112	0.000920321	0.000920321	4.64571E-06	0.004788752	0.00096134	0.040236536	0.011059339	5.01558E-06	22.03959656	1.99664E-05	0.000147631	0.000206244	0.0014345
2065 Jun	159.7281647	0.121050246	0.144387573	0.005633896	43.17146683	0.044067066	62.59928513	0.000916566	0.000916566	4.62665E-06	0.004780723	0.000961181	0.040002551	0.011114025	4.9941E-06	21.99694252	1.99178E-05	0.000148179	0.000206866	0.001428177
2065 Jul	160.4315796	0.121508189	0.144930154	0.005655621	43.34498215	0.044264473	62.88671494	0.000920646	0.000920646	4.64725E-06	0.004804293	0.000965819	0.040189024	0.01116383	5.0164E-06	22.09706116	2.00158E-05	0.000148897	0.000207779	0.001434553
2065 Aug	161.0551605	0.121927753	0.145416826	0.005674948	43.50088882	0.044443149	63.14320755	0.000924086	0.000924086	4.66463E-06	0.004823244	0.000969828	0.040354006	0.011207065	5.03529E-06	22.1856041	2.00936E-05	0.000149493	0.000208574	0.001440173
2065 Sep	160.727951	0.121627323	0.144910201	0.00565639	43.38195038	0.044384107	63.0352211	0.000922185	0.000922185	4.65505E-06	0.004818989	0.000968841	0.040291812	0.011191558	5.02507E-06	22.15215111	2.00613E-05	0.000149326	0.000208157	0.001437647
2065 Oct	159.9709625	0.121098645	0.143973976	0.005621876	43.14645386	0.044236816	62.74318695	0.000918511	0.000918511	4.63647E-06	0.004809768	0.000966061	0.040119402	0.011160356	5.00475E-06	22.0685215	1.99874E-05	0.00014891	0.000207257	0.001431869
2065 Nov	159.9033356	0.12106733	0.143879488	0.005618556	43.12497711	0.044230696	62.71401215	0.000918338	0.000918338	4.63558E-06	0.004810527	0.000965997	0.040103909	0.011160624	5.00367E-06	22.06309319	1.99828E-05	0.000148907	0.00020719	0.001431474
2065 Dec	159.9057617	0.121069551	0.14388147	0.005618637	43.12562943	0.04423153	62.7148819	0.000918355	0.000918355	4.63567E-06	0.004810636	0.000966016	0.040104512	0.011160864	5.00377E-06	22.06347466	1.99831E-05	0.00014891	0.000207194	0.001431499
2066 Jan	159.9075928	0.121071085	0.14388293	0.005618696	43.12611771	0.044232063	62.71552277	0.000918367	0.000918367	4.63573E-06	0.004810705	0.00096603	0.040104933	0.011161083	5.00383E-06	22.06378174	1.99834E-05	0.000148913	0.000207197	0.001431516
2066 Feb	159.9137878	0.121075809	0.143888384	0.005618908	43.12778473	0.044233751	62.71789169	0.000918403	0.000918403	4.63591E-06	0.004810893	0.00096607	0.040106446	0.01116161	5.00403E-06	22.06469345	1.99841E-05	0.000148919	0.000207207	0.001431573
2066 Mar	159.943222	0.121098109	0.143914789	0.005619938	43.13572311	0.044241875	62.72940445	0.000918572	0.000918572	4.63676E-06	0.004811781	0.00096625	0.040113803	0.011163713	5.00495E-06	22.06878471	1.99878E-05	0.000148947	0.000207246	0.001431837
2066 Apr	159.9816132	0.121127181	0.143949285	0.005621285	43.14607239	0.044252485	62.74443817	0.000918793	0.000918793	4.63788E-06	0.004812936	0.000966483	0.040123418	0.011166422	5.00615E-06	22.07410049	1.99926E-05	0.000148983	0.000207296	0.001432181
2066 May	160.1271057	0.121235006	0.144068971	0.005625977	43.18432999	0.044291817	62.79826355	0.000919678	0.000919678	4.64234E-06	0.00481782	0.000967543	0.040158272	0.011181439	5.01092E-06	22.09719086	2.00122E-05	0.000149169	0.000207559	0.001433542
2066 Jun	158.9739838	0.120091185	0.142562002	0.005570221	42.80580521	0.043980654	62.30595779	0.000915384	0.000915384	4.62052E-06	0.00481008	0.000965547	0.039874539	0.011192407	4.98613E-06	22.00116158	1.99558E-05	0.000149377	0.000207302	0.001424769
2066 Jul	159.6230774	0.120471306	0.143006235	0.005588655	42.9565239	0.044170979	62.5716362	0.000919515	0.000919515	4.64136E-06	0.004835567	0.000970337	0.040051736	0.01124312	5.00854E-06	22.09753036	2.00572E-05	0.000150135	0.000208172	0.001430849
2066 Aug	160.2514801	0.120893739	0.143498361	0.005608218	43.11387634	0.044351403	62.82937622	0.000923024	0.000923024	4.65908E-06	0.004854859	0.000974415	0.040217377	0.011287331	5.02778E-06	22.18691444	2.01362E-05	0.000150736	0.000208981	0.001436547
2066 Sep	160.3403015	0.120921165	0.143466264	0.005607513	43.1207695	0.044388164	62.8781929	0.000923395	0.000923395	4.66097E-06	0.004859549	0.000975365	0.040250856	0.011295294	5.02996E-06	22.2041893	2.0151E-05	0.000150868	0.00020909	0.001437481
2066 Oct	160.1232452	0.120763138	0.143161491	0.005596391	43.04793167	0.044350706	62.79851532	0.00092231	0.00092231	4.65549E-06	0.004857838	0.000974712	0.040204786	0.011287202	5.024E-06	22.18197632	2.01315E-05	0.000150766	0.00020883	0.001435891

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2066 Nov	160.0691376	0.120724492	0.143082753	0.005593535	43.02944946	0.044342127	62.77865219	0.000922049	0.000922049	4.65417E-06	0.004857576	0.000974571	0.040193476	0.011285459	5.02256E-06	22.17668724	2.01269E-05	0.000150744	0.000208766	0.001435507
2066 Dec	160.0780182	0.120731547	0.143090487	0.005593841	43.03182983	0.044344734	62.7820549	0.000922104	0.000922104	4.65445E-06	0.004857881	0.000974629	0.040195696	0.011286152	5.02286E-06	22.17796135	2.0128E-05	0.000150753	0.000208778	0.001435589
2067 Jan	160.0801849	0.120733328	0.143092245	0.005593911	43.03240967	0.044345368	62.7828331	0.000922118	0.000922118	4.65452E-06	0.00485796	0.000974645	0.040196206	0.011286393	5.02293E-06	22.17831421	2.01283E-05	0.000150756	0.000208782	0.00143561
2067 Feb	160.085434	0.120737329	0.14309682	0.005594089	43.03382492	0.044346798	62.78483582	0.000922148	0.000922148	4.65467E-06	0.004858121	0.00097468	0.040197488	0.011286853	5.0231E-06	22.17909622	2.0129E-05	0.000150762	0.00020879	0.001435658
2067 Mar	160.0999756	0.120748296	0.143109739	0.005594593	43.03772354	0.044350807	62.79049683	0.000922232	0.000922232	4.6551E-06	0.004858564	0.00097477	0.040201109	0.011287925	5.02356E-06	22.18113899	2.01308E-05	0.000150776	0.00020881	0.001435789
2067 Apr	160.1314392	0.120772049	0.143137828	0.005595692	43.04618835	0.044359516	62.80282211	0.000922413	0.000922413	4.65601E-06	0.004859519	0.000974963	0.040208999	0.011290171	5.02454E-06	22.18551636	2.01348E-05	0.000150806	0.000208852	0.001436071
2067 May	160.2579041	0.120850466	0.143167302	0.00559698	43.07293701	0.04438765	62.82792282	0.000923518	0.000923518	4.66155E-06	0.00486716	0.000977094	0.040228371	0.011335672	5.03019E-06	22.22569275	2.01613E-05	0.000151307	0.000209578	0.001437643
2067 Jun	159.6542969	0.120218396	0.142229289	0.005561487	42.86117554	0.044199962	62.54361725	0.000921003	0.000921003	4.64876E-06	0.004863121	0.000977851	0.040059131	0.011397639	5.01564E-06	22.21174622	2.01331E-05	0.000151931	0.000210402	0.001433522
2067 Jul	160.4313965	0.1207522	0.142857984	0.005586522	43.05877686	0.044420589	62.8548851	0.000925595	0.000925595	4.67194E-06	0.004888771	0.000982967	0.04026084	0.01145476	5.04064E-06	22.32256508	2.02376E-05	0.000152717	0.000211432	0.001440615
2067 Aug	160.8400269	0.120977804	0.143115312	0.005597246	43.15108109	0.044549536	63.02972031	0.000927974	0.000927974	4.68396E-06	0.004902347	0.000986047	0.040374465	0.011486207	5.05369E-06	22.383955	2.02895E-05	0.000153124	0.000211967	0.001444521
2067 Sep	160.968399	0.121037766	0.143132955	0.005598451	43.17101288	0.044597577	63.09119797	0.000928644	0.000928644	4.68735E-06	0.00490806	0.00098723	0.040416583	0.011497393	5.05745E-06	22.40647316	2.03081E-05	0.000153298	0.00021213	0.001445803
2067 Oct	160.5706787	0.120748498	0.142623156	0.005579645	43.04401016	0.044519931	62.94277954	0.000926595	0.000926595	4.677E-06	0.004902914	0.000985741	0.0403286	0.01147924	5.04621E-06	22.36224556	2.0269E-05	0.000153064	0.000211637	0.00144274
2067 Nov	160.5273132	0.120725766	0.142556503	0.0055773	43.02923203	0.044516314	62.92521286	0.000926461	0.000926461	4.67632E-06	0.00490343	0.000985708	0.040319361	0.011479225	5.04542E-06	22.358881	2.02662E-05	0.000153062	0.000211592	0.001442488
2067 Dec	160.5376587	0.120733872	0.142565325	0.00557765	43.03197861	0.04451935	62.92921448	0.000926524	0.000926524	4.67664E-06	0.004903784	0.000985776	0.040321968	0.011480034	5.04576E-06	22.36037254	2.02676E-05	0.000153072	0.000211606	0.001442583
2068 Jan	160.5407257	0.120736346	0.142567873	0.005577751	43.03279877	0.04452024	62.93033981	0.000926544	0.000926544	4.67673E-06	0.004903893	0.000985799	0.040322702	0.011480355	5.04587E-06	22.36086082	2.0268E-05	0.000153076	0.000211611	0.001442613
2068 Feb	160.5449371	0.120739549	0.142571464	0.00557789	43.0339241	0.044521369	62.93191147	0.000926568	0.000926568	4.67686E-06	0.004904024	0.000985828	0.040323708	0.011480757	5.046E-06	22.36150932	2.02685E-05	0.000153081	0.000211618	0.001442652
2068 Mar	160.571106	0.120759249	0.142594621	0.005578796	43.04093933	0.044528615	62.94213104	0.00092672	0.00092672	4.67762E-06	0.004904825	0.00098599	0.040330257	0.011482684	5.04682E-06	22.3651886	2.02718E-05	0.000153107	0.000211654	0.001442887
2068 Apr	160.6751251	0.120837472	0.142686948	0.005582408	43.06881332	0.044557445	62.98287964	0.00092732	0.00092732	4.68065E-06	0.004908002	0.00098663	0.040356368	0.011490152	5.05009E-06	22.37969398	2.02849E-05	0.000153206	0.000211791	0.001443822
2068 May	160.7338409	0.120860711	0.142646521	0.005580974	43.07620239	0.044566013	62.9805336	0.000928038	0.000928038	4.68424E-06	0.004913784	0.000988443	0.04035826	0.011533268	5.05362E-06	22.41210365	2.03037E-05	0.000153669	0.000212468	0.001444811
2068 Jun	159.1084747	0.119316183	0.140535817	0.005500579	42.55369568	0.044084776	62.28052521	0.000920124	0.000920124	4.64416E-06	0.004887567	0.000985394	0.039931156	0.011574479	5.00929E-06	22.29267311	2.0179E-05	0.000153966	0.000212751	0.001432181
2068 Jul	159.497467	0.119508326	0.140755817	0.005510206	42.6365509	0.044206511	62.44305038	0.000922757	0.000922757	4.65744E-06	0.004904452	0.000988626	0.040041465	0.011607826	5.02353E-06	22.35328674	2.02434E-05	0.000154459	0.00021329	0.001435981
2068 Aug	160.2188416	0.120015509	0.141344577	0.005533533	42.82174301	0.044413168	62.73191452	0.000926919	0.000926919	4.67845E-06	0.004927109	0.000993326	0.040227804	0.01166111	5.04624E-06	22.45643806	2.03349E-05	0.000155172	0.000214249	0.001442552
2068 Sep	160.2751923	0.120023385	0.141274273	0.005531454	42.81912231	0.044445395	62.7669487	0.000927184	0.000927184	4.6798E-06	0.00493162	0.000994188	0.040253691	0.011668293	5.04779E-06	22.47038651	2.03463E-05	0.000155293	0.000214319	0.001443257
2068 Oct	160.2905273	0.120040812	0.141242698	0.005530569	42.81753159	0.044460036	62.77444839	0.000927369	0.000927369	4.68073E-06	0.004934323	0.000994579	0.040260822	0.011672772	5.04877E-06	22.47596931	2.03517E-05	0.000155354	0.00021435	0.001443559
2068 Nov	160.3339691	0.120074861	0.141278565	0.005532001	42.82891083	0.044473015	62.7912674	0.000927636	0.000927636	4.68208E-06	0.004935864	0.000994873	0.040271841	0.011676296	5.05021E-06	22.48234367	2.03575E-05	0.000155401	0.00021441	0.001443965
2068 Dec	160.3421936	0.120081298	0.141285673	0.005532281	42.83110428	0.04447541	62.79443359	0.000927687	0.000927687	4.68233E-06	0.004936143	0.000994927	0.040273897	0.011676945	5.05048E-06	22.48352814	2.03586E-05	0.000155409	0.000214421	0.001444041
2069 Jan	160.3439026	0.120082691	0.141287044	0.005532337	42.83155823	0.044475909	62.79504395	0.000927698	0.000927698	4.68239E-06	0.004936206	0.00099494	0.040274303	0.011677136	5.05054E-06	22.48380852	2.03588E-05	0.000155412	0.000214424	0.001444058
2069 Feb	160.3465729	0.120084696	0.141289294	0.005532424	42.83226776	0.044476625	62.79603958	0.000927713	0.000927713	4.68247E-06	0.00493629	0.000994959	0.04027494	0.011677397	5.05062E-06	22.48422241	2.03592E-05	0.000155415	0.000214429	0.001444083
2069 Mar	160.3482819	0.120085999	0.141290754	0.005532481	42.83272552	0.04447709	62.79668808	0.000927723	0.000927723	4.68252E-06	0.004936344	0.000994971	0.040275354	0.011677559	5.05068E-06	22.48448563	2.03594E-05	0.000155417	0.000214432	0.001444098
2069 Apr	160.3742065	0.120105423	0.141313583	0.005533374	42.8396492	0.044484276	62.80683136	0.000927873	0.000927873	4.68327E-06	0.004937142	0.000995132	0.040281858	0.011679468	5.0515E-06	22.48813438	2.03627E-05	0.000155442	0.000214467	0.001444332
2069 May	160.6186676	0.120285504	0.14151971	0.005541459	42.90397263	0.044551309	62.90080261	0.00092931	0.00092931	4.69052E-06	0.004944972	0.00099677	0.040342357	0.011700451	5.05929E-06	22.52445221	2.03947E-05	0.000155713	0.000214844	0.00144657
2069 Jun	159.7761688	0.119417995	0.140400812	0.005500622	42.62200928	0.044331837	62.5439949	0.000926602	0.000926602	4.67673E-06	0.004943248	0.00099543	0.040142648	0.01170308	5.04335E-06	22.451334	2.03665E-05	0.000155884	0.000214522	0.001440216
2069 Jul	160.2125702	0.119638763	0.140653908	0.005511544	42.7153511	0.044461131	62.72640228	0.000929467	0.000929467	4.69118E-06	0.004962222	0.000998897	0.040266365	0.011738798	5.05889E-06	22.51833153	2.04417E-05	0.000156448	0.000215121	0.00144436
2069 Aug	160.6433105	0.119888328	0.140928522	0.005522831	42.81336975	0.044592131	62.91065216	0.000931841	0.000931841	4.70318E-06	0.00497615	0.001001983	0.040386416	0.011770704	5.07198E-06	22.58269119	2.04964E-05	0.000156892	0.000215681	0.001448345
2069 Sep	160.3215942	0.119606897	0.140455127	0.005505419	42.70008469	0.044531882	62.80326843	0.000929947	0.000929947	4.69364E-06	0.004971375	0.001000853	0.04032347	0.011753355	5.0618E-06	22.54778862	2.04633E-05	0.000156696	0.000215248	0.001445817
2069 Oct	159.6591797	0.119164206	0.139663607	0.005476212	42.49851227	0.044403862	62.54550171	0.000926762	0.000926762	4.67752E-06	0.004962916	0.000998276	0.040170893	0.011723967	5.04414E-06	22.47257042	2.03966E-05	0.0001563	0.000214423	0.001440738
2069 Nov	159.5977173	0.119146228	0.139576733	0.005473232	42.47947311	0.044401761	62.51704025	0.000926685	0.000926685	4.67712E-06	0.004964322	0.000998289	0.040156458	0.011725478	5.04356E-06	22.46836853	2.03931E-05	0.00015631	0.000214366	0.001440434
2069 Dec	159.602356	0.11915011	0.139580548	0.005473386	42.48070526	0.044403221	62.51877594	0.000926716	0.000926716	4.67728E-06	0.004964505	0.000998322	0.040157616	0.011725894	5.04372E-06	22.46907234	2.03937E-05	0.000156316	0.000214372	0.001440479
2070 Jan	159.6026154	0.11915046	0.139580578	0.005473388	42.4807663	0.044403329	62.5187912	0.000926719	0.000926719	4.67729E-06	0.004964528	0.000998327	0.040157638	0.011726013	5.04374E-06	22.46916771	2.03938E-05	0.000156317	0.000214374	0.001440483
2070 Feb	159.6028595	0.119150691	0.139580667	0.005473391	42.48083496	0.044403367	62.51882172	0.000926721	0.000926721	4.6773E-06	0.004964539	0.000998332	0.040157657	0.011726134	5.04375E-06	22.46926498	2.03938E-05	0.000156318	0.000214376	0.001440486
2070 Mar	159.6120911	0.119157597	0.139588654	0.005473704	42.48328781	0.044405919	62.52239609	0.000926775	0.000926775	4.67757E-06	0.004964827	0.000998392	0.040159952	0.011726867	5.04404E-06	22.47059822	2.0395E-05	0.000156328	0.000214389	0.00144057
2070 Apr	159.6677246	0.11919909	0.139637098	0.005475603	42.49807739	0.04442136	62.54414368	0.000927098	0.000927098	4.6792E-06	0.004966558	0.000998743	0.040173918	0.011731045	5.04579E-06	22.47848892	2.04021E-05	0.000156383	0.000214466	0.001441073
2070 May	159.770752	0.119257823	0.139648959	0.005476189	42.51839066	0.044443235	62.56340408	0.000928002	0.000928002	4.68373E-06	0.004973032	0.001000603	0.040189054	0.01177128	5.0504E-06	22.51335907	2.04247E-05	0.000156824	0.000215109	0.001442386
2070 Jun	159.1910553	0.11866229	0.138754457	0.005442219	42.31760025	0.044259489	62.28223801	0.000925647	0.000925647	4.67175E-06	0.004969173	0.001001515	0.040021099	0.011838458	5.03666E-06	22.50396919	2.03972E-05	0.000157489	0.000216026	0.001438491
2070 Jul	159.7678833	0.119026087	0.139176488	0.005459317	42.45666885	0.04442494	62.5175972	0.000929091	0.000929091	4.68913E-06	0.004989524	0.001005542	0.040175021	0.011882505	5.05544E-06	22.58847427	2.04798E-05	0.000158115	0.000216808	0.001443814
2070 Aug	160.2685852	0.119337827	0.139531568	0.005473697	42.57634354	0.044574022	62.72601318	0.000931939	0.000931939	4.70352E-06	0.005005667	0.001009048	0.040309899	0.011920256	5.07105E-06	22.66219521	2.05439E-05	0.000158619	0.000217476	0.00144846
2070 Sep	159.9841003	0.1191006	0.139093563	0.005457728	42.4740448	0.044526849	62.63092804	0.000930338	0.000930338	4.69545E-06	0.005002868	0.001008196	0.04025539	0.011906719	5.06241E-06	22.63298416	2.0517E-05	0.000158468	0.000217095	0.001446328
2070 Oct	159.6276093	0.11886277	0.138646334	0.005441325	42.36265564	0.044462197	62.49404907	0.000928635	0.000928635	4.68684E-06	0.004999131	0.001006912	0.040175244	0.011891586	5.05298E-06	22.59363937	2.04823E-05	0.000158267	0.000216646	0.001443651
2070 Nov	159.617981	0.118859224	0.138622805	0.005440532	42.358284	0.044463515	62.49043655	0.000928625	0.000928625	4.68678E-06	0.004999689	0.001006961	0.04017384	0.011892216	5.0529E-06	22.59354782	2.04823E-05	0.000158275	0.000216637	0.001443628
2070 Dec	159.6199341	0.118861005	0.13862434	0.005440596	42.35879898	0.044464197	62.49114227	0.00092864	0.00092864	4.68686E-06	0.004999781	0.001006977	0.040174328	0.01189242	5.05298E-06	22.59386253	2.04826E-05	0.000158278	0.00021664	0.001443648
2071 Jan	159.6203308	0.118861429	0.138624564	0.005440604	42.35890579	0.044464335	62.49123383	0.000928643	0.000928643	4.68687E-06	0.004999804	0.001006983	0.040174399	0.011892525	5.053E-06	22.59396553	2.04827E-05	0.000158279	0.000216642	0.001443653
2071 Feb	159.6206055	0.118861653	0.138624668	0.005440609	42.35897446	0.044464383	62.49128723	0.000928645	0.000928645	4.68688E-06	0.004999815	0.001006986	0.040174432	0.01189262	5.05301E-06	22.59404945	2.04827E-05	0.00015828	0.000216643	0.001443656
2071 Mar	159.6227722	0.118863292	0.138626501	0.00544068	42.35955048	0.044464976	62.49211121	0.000928658	0.000928658	4.68695E-06	0.004999883	0.001007001	0.040174961	0.011892824	5.05307E-06	22.59438133	2.0483E-05	0.000158283	0.000216647	0.001443676
2071 Apr	159.6470642	0.118881375	0.138647556	0.005441506	42.3659935	0.044471733	62.50160217	0.000928799	0.000928799	4.68766E-06	0.005000645	0.001007155	0.040181059	0.011894656	5.05384E-06	22.59783173	2.04861E-05	0.000158307	0.00021668	0.001443896
2071 May	159.5883636	0.118808508	0.138491005	0.005435525	42.34012222	0.044446211	62.45392227	0.000928796	0.000928796	4.68761E-06	0.005002774	0.001008309	0.04015363	0.011930885	5.05347E-06	22.61513329	2.04905E-05	0.000158674	0.000217233	0.001443834
2071 Jun	158.5935059	0.117855668	0.137155861	0.005384794	42.01758575	0.044147242	62.00295258	0.000924429	0.000924429	4.66544E-06	0.00499053	0.001007463	0.039881852	0.011983194	5.02854E-06	22.55796814	2.04251E-05	0.000159152	0.000217808	0.001436446
2071 Jul	158.9141388	0.11800237	0.137321889	0.005392059	42.08252335	0.044240758	62.14154816	0.000926418	0.000926418	4.67548E-06	0.005004192	0.001010007	0.039975096	0.012008459	5.0394E-06	22.60737228	2.04806E-05	0.000159562	0.000218244	0.001439461
2071 Aug	159.4697113	0.118368447	0.137736082	0.005408622	42.21873474	0.044401094	62.36980057	0.000929522	0.000929522	4.69117E-06	0.005021799	0.001013739	0.040122677	0.012049786	5.05643E-06	22.68841743	2.05519E-05	0.000160129	0.000218989	0.001444523
2071 Sep	159.3109283	0.118202619	0.137441307	0.005398029	42.15390778	0.044382755	62.32302094	0.000928612	0.000928612	4.68658E-06	0.00502062	0.001013479	0.040098581	0.012042734	5.05157E-06	22.6743679	2.05356E-05	0.000160072	0.000218761	0.001443367
2071 Oct	159.1279297	0.118065782	0.137188628	0.005388754	42.09261703	0.044349376	62.25815964	0.000927618	0.000927618	4.68156E-06	0.005018511	0.00101282	0.040060386	0.012033578	5.04617E-06	22.65425301	2.0518E-05	0.00015996	0.000218516	0.001441972
2071 Nov	159.0527954	0.118041538	0.137086853	0.005385238	42.06975555	0.044345308	62.22388458	0.000927494	0.000927494	4.68092E-06	0.005019858	0.001012784	0.040042646	0.012034575	5.04531E-06	22.64849854	2.05132E-05	0.000159963	0.00021844	0.001441573
2071 Dec	159.0511932	0.118043199	0.137083665	0.005385146	42.06927109	0.044346098	62.2227211	0.000927511	0.000927511	4.68101E-06	0.005020084	0.001012805	0.040042229	0.01203498	5.04539E-06	22.64862251	2.05133E-05	0.000159967	0.00021844	0.001441579
2072 Jan	159.0522766	0.118044198	0.13708438	0.005385175	42.06955338	0.044346441	62.22304535	0.00092752	0.00092752	4.68105E-06	0.005020136	0.001012817	0.040042453	0.012035182	5.04543E-06	22.64884949	2.05135E-05	0.000159969	0.000218443	0.001441591
2072 Feb	159.0533295	0.118045017	0.13708511	0.005385203	42.06982803	0.044346694	62.22336578	0.000927526	0.000927526	4.68108E-06	0.005020171	0.001012827	0.040042657	0.012035383	5.04546E-06	22.64907265	2.05136E-05	0.000159971	0.000218447	0.001441602
2072 Mar	159.0557556	0.11804685	0.137087137	0.005385282	42.0704689	0.04434735	62.2242775	0.00092754	0.00092754	4.68115E-06	0.00502025	0.001012845	0.040043239	0.012035633	5.04554E-06	22.64945984	2.05139E-05	0.000159975	0.000218451	0.001441624
2072 Apr	159.0980072	0.118078217	0.13712348	0.00538671	42.08164597	0.044359121	62.24077988	0.000927787	0.000927787	4.6824E-06	0.005021584	0.001013115	0.040053859	0.012038868	5.04688E-06	22.6554966	2.05194E-05	0.000160017	0.00021851	0.001442008
2072 May	159.3141632	0.118238531	0.137309536	0.005394018	42.13879013	0.044419359	62.32531738	0.000929047	0.000929047	4.68876E-06	0.005028412	0.001014494	0.040108263	0.012055294	5.05374E-06	22.68632507	2.05473E-05	0.000160235	0.000218808	0.001443968
2072 Jun	158.8401184	0.117722511	0.136687055	0.005372155	41.97687149	0.044310793	62.12968063	0.000928178	0.000928178	4.68427E-06	0.005032676	0.00101365	0.040007442	0.012042554	5.04809E-06	22.63627815	2.05478E-05	0.000160287	0.000218321	0.00144042
2072 Jul	159.0592041	0.117773138	0.136738837	0.005375357	42.01128387	0.044388201	62.22686386	0.0009299	0.0009299	4.69295E-06	0.005045102	0.001015969	0.040076818	0.012064626	5.05734E-06	22.67415619	2.05926E-05	0.000160633	0.000218638	0.001442747
2072 Aug	159.0145416	0.117633335	0.136502877	0.005367493	41.97090149	0.044416733	62.22624969	0.000929903	0.000929903	4.69296E-06	0.005047538	0.00101685	0.04008748	0.012069304	5.05735E-06	22.67965508	2.05852E-05	0.000160743	0.000218562	0.001442712
2072 Sep	158.8326569	0.117452018	0.136188567	0.005356323	41.90137482	0.044401348	62.16474915	0.000929116	0.000929116	4.68899E-06	0.005046523	0.001016662	0.040057518	0.012064047	5.05301E-06	22.66442108	2.0564E-05	0.00016071	0.000218313	0.001441433
2072 Oct	158.3860016	0.11714711	0.135650486	0.00533642	41.76420975	0.044313643	61.99471664	0.000926857	0.000926857	4.67757E-06	0.005040218	0.001014832	0.039956149	0.012041809	5.04057E-06	22.61257553	2.05181E-05	0.000160417	0.00021773	0.001437959
2072 Nov	158.3391113	0.117121331	0.135586113	0.005334121	41.74914169	0.044307865	61.97593689	0.000926682	0.000926682	4.67668E-06	0.00504031	0.00101473	0.039945781	0.012040818	5.03957E-06	22.60814095	2.05142E-05	0.000160402	0.000217674	0.001437652
2072 Dec	158.3413086	0.117123306	0.135587826	0.005334191	41.74971771	0.044308625	61.97672272	0.000926698	0.000926698	4.67676E-06	0.005040413	0.001014748	0.039946329	0.012041049	5.03965E-06	22.60849571	2.05146E-05	0.000160405	0.000217678	0.001437674
2073 Jan	158.3420715	0.117124029	0.135588348	0.005334212	41.74992371	0.044308871	61.97696304	0.000926704	0.000926704	4.67679E-06	0.00504045	0.001014756	0.039946496	0.012041192	5.03969E-06	22.60865784	2.05147E-05	0.000160407	0.00021768	0.001437683
2073 Feb	158.3434143	0.117125049	0.135589361	0.005334252	41.75027466	0.044309217	61.97742844	0.000926712	0.000926712	4.67683E-06	0.005040495	0.001014767	0.039946791	0.012041376	5.03973E-06	22.60889816	2.05148E-05	0.000160409	0.000217683	0.001437695
2073 Mar	158.348938	0.11712914	0.13559404	0.005334435	41.75172806	0.044310745	61.97954941	0.000926744	0.000926744	4.67699E-06	0.005040671	0.001014804	0.039948162	0.012041841	5.0399E-06	22.6097126	2.05156E-05	0.000160415	0.000217691	0.001437746
2073 Apr	158.4424286	0.117198303	0.135674059	0.005337583	41.77637863	0.0443369	62.01612473	0.000927291	0.000927291	4.67976E-06	0.005043648	0.001015404	0.039971735	0.012048976	5.04288E-06	22.62307739	2.05277E-05	0.0001651	0.00021782	0.001438595
2073 May	158.4054718	0.117150128	0.135522395	0.005331817	41.7569313	0.044315528	61.96266174	0.000927668	0.000927668	4.6816E-06	0.005048203	0.001017236	0.039942406	0.012102501	5.04434E-06	22.65239716	2.05388E-05	0.000161057	0.000218635	0.001438928
2073 Jun	157.730835	0.116492726	0.134548947	0.005294785	41.53310394	0.04410401	61.63257599	0.000925033	0.000925033	4.66818E-06	0.005043013	0.001017891	0.039744977	0.012172539	5.02887E-06	22.63468552	2.05036E-05	0.000161734	0.000219564	0.001434307
2073 Jul	158.1655121	0.116717659	0.134805605	0.005305418	41.62696457	0.044228408	61.82320023	0.000927358	0.000927358	4.67994E-06	0.005057693	0.001021007	0.039868087	0.012203588	5.04176E-06	22.69929695	2.05657E-05	0.00016219	0.00022014	0.001438295
2073 Aug	158.6441345	0.11701078	0.135135397	0.005318809	41.73984528	0.044370495	62.02334213	0.000930057	0.000930057	4.69357E-06	0.005073246	0.001024394	0.039997675	0.012240206	5.05657E-06	22.77040291	2.06277E-05	0.000162682	0.000220788	0.001442738
2073 Sep	158.6162872	0.116943523	0.134987399	0.005313662	41.71368408	0.044378418	62.02803421	0.000929766	0.000929766	4.69212E-06	0.005074502	0.001024682	0.040003788	0.012239655	5.05515E-06	22.77186203	2.06268E-05	0.000162708	0.000220729	0.001442636

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2073 Oct	158.2500916	0.116691031	0.134537026	0.005297028	41.59972	0.044307612	61.89054108	0.000927884	0.000927884	4.68261E-06	0.005069446	0.00102319	0.039921932	0.012220849	5.04482E-06	22.72938156	2.05894E-05	0.000162464	0.00022024	0.001439793
2073 Nov	158.190033	0.116653197	0.13445662	0.005294114	41.58037186	0.044298351	61.86761093	0.000927612	0.000927612	4.68124E-06	0.005069127	0.001023007	0.039908834	0.012218629	5.04331E-06	22.72311401	2.05839E-05	0.000162435	0.000220163	0.001439365
2073 Dec	158.1981812	0.116659567	0.13446337	0.005294384	41.5825119	0.04430078	61.87072372	0.000927664	0.000927664	4.68149E-06	0.005069422	0.001023063	0.039910883	0.012219322	5.04359E-06	22.72432709	2.0585E-05	0.000162444	0.000220175	0.001439442
2074 Jan	158.1993408	0.116660573	0.134464204	0.005294418	41.58282089	0.044301137	61.87111282	0.000927672	0.000927672	4.68154E-06	0.005069471	0.001023074	0.039911147	0.012219497	5.04363E-06	22.72454643	2.05852E-05	0.000162446	0.000220177	0.001439454
2074 Feb	158.2000275	0.116661102	0.134464666	0.005294435	41.58299255	0.044301301	61.871315	0.000927676	0.000927676	4.68156E-06	0.005069495	0.001023081	0.039911281	0.012219633	5.04365E-06	22.7246933	2.05853E-05	0.000162447	0.00022018	0.001439461
2074 Mar	158.2079315	0.116666958	0.134471327	0.005294697	41.58507156	0.044303503	61.8743782	0.000927722	0.000927722	4.68179E-06	0.005069749	0.001023134	0.039913252	0.012220291	5.04391E-06	22.72585869	2.05863E-05	0.000162456	0.000220191	0.001439533
2074 Apr	158.2851563	0.11672391	0.134536922	0.005297279	41.60536957	0.044325117	61.90455627	0.000928175	0.000928175	4.68408E-06	0.005072225	0.001023634	0.039932717	0.012226282	5.04637E-06	22.73696518	2.05964E-05	0.000162536	0.000220299	0.001440236
2074 May	158.1811371	0.116607122	0.134263188	0.005286802	41.56183243	0.044278868	61.81031036	0.000928345	0.000928345	4.68485E-06	0.005076925	0.001025949	0.039878882	0.012299151	5.0465E-06	22.77217102	2.06059E-05	0.00016327	0.000221405	0.001440236
2074 Jun	157.0512695	0.11553257	0.132753417	0.005228711	41.1975708	0.043924186	61.30295563	0.000922694	0.000922694	4.65622E-06	0.005057626	0.001024688	0.039565258	0.012359847	5.01476E-06	22.70839119	2.05177E-05	0.000163755	0.000222167	0.001431659
2074 Jul	157.66362	0.115912303	0.133186847	0.005246271	41.34300995	0.044098459	61.55495834	0.00092625	0.00092625	4.67418E-06	0.005078911	0.001028987	0.039729413	0.012407307	5.03421E-06	22.79907608	2.06048E-05	0.000164426	0.000223018	0.001437299
2074 Aug	158.378891	0.1164058	0.133748502	0.005268566	41.52325439	0.044300932	61.84241867	0.000930327	0.000930327	4.69476E-06	0.005101799	0.001033751	0.039914872	0.012462465	5.05648E-06	22.90339279	2.0698E-05	0.000165168	0.000224014	0.001443823
2074 Sep	158.2552795	0.116273373	0.133491054	0.005259334	41.46831512	0.044288591	61.81125259	0.000929517	0.000929517	4.6907E-06	0.005101369	0.00103358	0.039899107	0.012455994	5.05223E-06	22.89289474	2.0687E-05	0.000165117	0.000223819	0.001442948
2074 Oct	158.0605621	0.116145752	0.133225456	0.005249694	41.40453339	0.044258121	61.73895264	0.000928588	0.000928588	4.686E-06	0.005100131	0.00103296	0.039857637	0.012447781	5.04709E-06	22.87221527	2.06691E-05	0.000165013	0.000223557	0.001441542
2074 Nov	158.0558929	0.116143182	0.133206755	0.005249066	41.40136337	0.044259872	61.73799515	0.000928579	0.000928579	4.68595E-06	0.005100614	0.001033014	0.039857652	0.012448236	5.04704E-06	22.87251282	2.06695E-05	0.0001650 2	0.000223552	0.001441545
2074 Dec	158.0624847	0.116148271	0.133212015	0.005249277	41.40306473	0.044261854	61.74053955	0.00092862	0.00092862	4.68616E-06	0.005100857	0.00103306	0.039859328	0.012448808	5.04726E-06	22.87350845	2.06704E-05	0.000165027	0.000223561	0.001441607
2075 Jan	158.0637817	0.116149366	0.133212969	0.005249315	41.40340424	0.044262249	61.74097824	0.000928629	0.000928629	4.6862E-06	0.005100911	0.001033072	0.039859623	0.012448992	5.04731E-06	22.87374496	2.06705E-05	0.0001650 3	0.000223564	0.001441621
2075 Feb	158.06633	0.116151273	0.133214995	0.005249396	41.40407181	0.044262934	61.74191666	0.000928644	0.000928644	4.68628E-06	0.005100994	0.001033091	0.039860226	0.012449275	5.04739E-06	22.87416267	2.06709E-05	0.000165033	0.000223569	0.001441645
2075 Mar	158.0807648	0.116161883	0.13322711	0.005249872	41.40784836	0.044266962	61.74752045	0.000928729	0.000928729	4.68671E-06	0.005101461	0.001033187	0.039863843	0.012450456	5.04785E-06	22.87627792	2.06728E-05	0.000165048	0.00022359	0.001441777
2075 Apr	158.1500397	0.1162128	0.133285463	0.005252171	41.42599869	0.044286352	61.77456665	0.000929136	0.000929136	4.68876E-06	0.005103697	0.00103364	0.039881304	0.012455938	5.05006E-06	22.88631821	2.06818E-05	0.000165121	0.000223689	0.001442409
2075 May	158.2987671	0.116317481	0.133379325	0.005255924	41.46255875	0.04432502	61.82161331	0.00093018	0.00093018	4.69401E-06	0.005110084	0.00103518	0.039913133	0.012483192	5.05557E-06	22.91732407	2.07056E-05	0.000165437	0.000224137	0.00144395
2075 Jun	157.3591156	0.115391448	0.132291228	0.005216576	41.16466141	0.04409267	61.44791794	0.000927067	0.000927067	4.67819E-06	0.005104975	0.001031807	0.039704729	0.012435125	5.03755E-06	22.80231094	2.06652E-05	0.000165119	0.000222961	0.001436308
2075 Jul	157.4374237	0.115310371	0.132188842	0.005214097	41.1553154	0.044128679	61.48913956	0.000928233	0.000928233	4.68405E-06	0.005116528	0.001033453	0.039742671	0.012448123	5.04366E-06	22.82177734	2.07061E-05	0.000165422	0.000223093	0.001437377
2075 Aug	157.8451843	0.115542807	0.132442817	0.005224557	41.24710083	0.044251416	61.66362381	0.000930477	0.000930477	4.69539E-06	0.005129902	0.001036422	0.039856058	0.012479405	5.05603E-06	22.88339996	2.07592E-05	0.000165853	0.000223644	0.001441167
2075 Sep	158.02771	0.115643844	0.132525846	0.005228157	41.28362274	0.044308607	61.74593735	0.000931393	0.000931393	4.70003E-06	0.005136477	0.001037808	0.039910007	0.01249327	5.06116E-06	22.91213036	2.07843E-05	0.000166059	0.000223883	0.001442874
2075 Oct	157.933548	0.115581192	0.132377669	0.005222843	41.25003052	0.044297222	61.71279526	0.000930942	0.000930942	4.69775E-06	0.005136525	0.001037599	0.039891705	0.012489982	5.05868E-06	22.9032135	2.07767E-05	0.00016602	0.000223756	0.001442241
2075 Nov	157.9557343	0.115602404	0.13238655	0.005223298	41.25482178	0.044306833	61.72101593	0.000931124	0.000931124	4.69866E-06	0.005137977	0.001037834	0.039897833	0.012492942	5.05964E-06	22.90743446	2.07806E-05	0.000166058	0.000223791	0.001442498
2075 Dec	157.9616394	0.115607373	0.132391036	0.005223483	41.25634766	0.044308778	61.72319412	0.000931165	0.000931165	4.69887E-06	0.005138233	0.00103788	0.039899319	0.012493527	5.05986E-06	22.90836906	2.07815E-05	0.000166065	0.0002238	0.001442557
2076 Jan	157.9628754	0.115608461	0.1323919	0.005223518	41.25666809	0.044309162	61.72359467	0.000931174	0.000931174	4.69891E-06	0.005138289	0.001037892	0.039899591	0.012493732	5.0599E-06	22.9086132	2.07817E-05	0.000166068	0.000223803	0.00144257
2076 Feb	157.9679718	0.115612246	0.132396027	0.00522368	41.25799942	0.044310559	61.72550964	0.000931204	0.000931204	4.69907E-06	0.005138457	0.001037929	0.039900828	0.012494246	5.06007E-06	22.90942001	2.07824E-05	0.000166074	0.000223812	0.001442617
2076 Mar	157.9816742	0.115622297	0.132407442	0.005224129	41.26157761	0.044314384	61.7308197	0.000931285	0.000931285	4.69947E-06	0.005138904	0.00103802	0.039904263	0.012495387	5.06051E-06	22.9114418	2.07842E-05	0.000166089	0.000223833	0.001442743
2076 Apr	158.0219116	0.115651749	0.132441118	0.005225458	41.27208328	0.044325657	61.74651718	0.000931522	0.000931522	4.70067E-06	0.005140213	0.001038286	0.039914407	0.012498602	5.06179E-06	22.91729736	2.07894E-05	0.000166131	0.00022389	0.001443111
2076 May	158.1175385	0.115709186	0.132445976	0.005225776	41.29109192	0.044345286	61.75882721	0.000932463	0.000932463	4.70538E-06	0.005146936	0.001040229	0.039925627	0.01254213	5.06653E-06	22.95320892	2.08121E-05	0.000166604	0.000224579	0.001444409
2076 Jun	157.1109619	0.11476136	0.131118298	0.005175036	40.96946716	0.044035733	61.29662704	0.000927955	0.000927955	4.6825E-06	0.005133151	0.001039345	0.039644703	0.01259937	5.04082E-06	22.89706802	2.07423E-05	0.000167105	0.000225254	0.001436908
2076 Jul	157.4396973	0.1149031	0.131276235	0.005181948	41.03403473	0.044131204	61.44309235	0.000929831	0.000929831	4.69198E-06	0.005146096	0.00104192	0.039741538	0.012624347	5.05117E-06	22.94774628	2.07962E-05	0.0001675	0.0002257	0.001439978
2076 Aug	158.0174103	0.115278803	0.131693661	0.005198765	41.17404175	0.044300213	61.6789856	0.000933147	0.000933147	4.70873E-06	0.005165198	0.001045969	0.039895024	0.012670256	5.0693E-06	23.03399086	2.08719E-05	0.000168123	0.000226509	0.001445314
2076 Sep	158.1991577	0.115383014	0.131775945	0.005202359	41.21058273	0.044358179	61.76010895	0.00093409	0.00093409	4.7135E-06	0.005172018	0.001047379	0.039948508	0.012684685	5.07455E-06	23.06294632	2.08974E-05	0.000168334	0.000226751	0.001447035
2076 Oct	157.8948364	0.115166694	0.131404221	0.00518856	41.11559677	0.044296958	61.64891052	0.000932421	0.000932421	4.70508E-06	0.005166995	0.001046018	0.039881401	0.012666433	5.06547E-06	23.02615929	2.08648E-05	0.000168103	0.000226319	0.001444608
2076 Nov	157.8532715	0.115141302	0.131346554	0.005186481	41.1019516	0.044291202	61.63326645	0.000932234	0.000932234	4.70413E-06	0.005166871	0.0010459	0.039872579	0.012664881	5.06443E-06	23.02189064	2.08612E-05	0.000168082	0.000226263	0.001444318
2076 Dec	157.8601532	0.115146682	0.131352097	0.005186704	41.10374069	0.044293277	61.63588715	0.000932278	0.000932278	4.70436E-06	0.005167128	0.001045949	0.039874312	0.012665493	5.06467E-06	23.02293205	2.08621E-05	0.00016809	0.000226273	0.001444384
2077 Jan	157.8609772	0.115147427	0.131352648	0.005186727	41.10395432	0.044293538	61.63614273	0.000932284	0.000932284	4.70439E-06	0.005167167	0.001045958	0.039874494	0.012665641	5.0647E-06	23.02310371	2.08622E-05	0.000168092	0.000226275	0.001444393
2077 Feb	157.8627777	0.115148768	0.131354034	0.005186781	41.10441971	0.044294015	61.6367836	0.000932295	0.000932295	4.70444E-06	0.005167227	0.001045972	0.039874904	0.012665866	5.06476E-06	23.0234127	2.08625E-05	0.000168095	0.000226279	0.00144441
2077 Mar	157.8678436	0.115152486	0.131358206	0.005186945	41.10574341	0.044295423	61.63873672	0.000932325	0.000932325	4.70459E-06	0.005167394	0.001046007	0.039876167	0.012666317	5.06492E-06	23.02418137	2.08631E-05	0.0001681	0.000226287	0.001444457
2077 Apr	157.9166107	0.115188055	0.131398737	0.005188545	41.11843491	0.044309095	61.65775299	0.000932613	0.000932613	4.70605E-06	0.00516899	0.001046331	0.039888468	0.012670254	5.06649E-06	23.03130531	2.08696E-05	0.000168153	0.000226357	0.001444903
2077 May	157.963089	0.115203828	0.131363168	0.005187259	41.12374878	0.044315062	61.65612793	0.00093316	0.00093316	4.70877E-06	0.005173479	0.001047782	0.039889924	0.01270491	5.06917E-06	23.05738068	2.08845E-05	0.000168524	0.000226905	0.001445684
2077 Jun	157.0006104	0.114289038	0.130110636	0.005139379	40.81592178	0.044020511	61.2281456	0.000928608	0.000928608	4.6857E-06	0.005158571	0.001046383	0.039628502	0.012743778	5.04349E-06	22.99452782	2.08141E-05	0.000168844	0.000227317	0.001438308
2077 Jul	157.6085815	0.114680283	0.130552575	0.005157416	40.96294022	0.044196036	61.4692955	0.000932463	0.000932463	4.70514E-06	0.005181883	0.001050846	0.039788764	0.012795449	5.06434E-06	23.0864563	2.09061E-05	0.000169578	0.000228202	0.001444004
2077 Aug	158.216095	0.115075164	0.130989969	0.005174998	41.10982513	0.044371832	61.71793365	0.0009359	0.0009359	4.7225E-06	0.005201818	0.001055071	0.039950263	0.012843492	5.08316E-06	23.17713165	2.0986E-05	0.000170235	0.000229056	0.001449586
2077 Sep	157.7781372	0.114708789	0.130418926	0.005153887	40.96669769	0.044288415	61.56537628	0.000933427	0.000933427	4.71004E-06	0.005193341	0.001053206	0.039860506	0.012815359	5.0698E-06	23.12478638	2.09339E-05	0.000169908	0.000228399	0.001446013
2077 Oct	157.6694183	0.114647366	0.130255997	0.005148094	40.92964554	0.044277243	61.52445602	0.000932987	0.000932987	4.7078E-06	0.005193806	0.00105299	0.039838281	0.01281237	5.06732E-06	23.1146431	2.09253E-05	0.000169869	0.000228253	0.001445315
2077 Nov	157.704483	0.114673369	0.130282149	0.005149151	40.93839645	0.044287782	61.53823471	0.000933201	0.000933201	4.70888E-06	0.005195105	0.001053242	0.039847348	0.01281542	5.06848E-06	23.11999321	2.09302E-05	0.00016991	0.000228304	0.001445647
2077 Dec	157.7111053	0.114678495	0.130287454	0.005149364	40.94011307	0.044289764	61.54075623	0.000933243	0.000933243	4.70909E-06	0.005195351	0.00105329	0.039849017	0.01281601	5.0687E-06	23.12099838	2.09311E-05	0.000169917	0.000228314	0.001445709
2078 Jan	157.7133789	0.114680275	0.130289227	0.005149435	40.94070435	0.044290431	61.54159164	0.000933258	0.000933258	4.70917E-06	0.005195436	0.001053307	0.039849568	0.012816265	5.06878E-06	23.12137604	2.09314E-05	0.00016992	0.000228318	0.001445732
2078 Feb	157.7154694	0.11468181	0.130290851	0.005149499	40.94124222	0.04429099	61.54235077	0.00093327	0.00093327	4.70923E-06	0.005195506	0.001053323	0.039850056	0.012816504	5.06885E-06	23.12172127	2.09317E-05	0.000169923	0.000228322	0.001445751
2078 Mar	157.7192841	0.114684597	0.13029395	0.005149621	40.94223404	0.044292051	61.5438118	0.000933293	0.000933293	4.70935E-06	0.005195632	0.00105335	0.039851002	0.012816852	5.06897E-06	23.12230301	2.09322E-05	0.000169928	0.000228328	0.001445787
2078 Apr	157.8083496	0.114749372	0.130367503	0.005152528	40.96535492	0.044317055	61.57854843	0.00093382	0.00093382	4.71201E-06	0.005198567	0.001053945	0.039873496	0.012824112	5.07183E-06	23.13537407	2.0944E-05	0.000170024	0.000228458	0.001446603
2078 May	157.5974426	0.114555761	0.129986167	0.005137797	40.89334488	0.044237655	61.43192673	0.000933508	0.000933508	4.71033E-06	0.005200934	0.001056009	0.039786819	0.012901785	5.06919E-06	23.16288185	2.09425E-05	0.000170778	0.000229617	0.001445777
2078 Jun	156.817337	0.113798462	0.128922135	0.005096703	40.63874054	0.043986339	61.08320999	0.000929414	0.000929414	4.6896E-06	0.005186613	0.001055222	0.039569411	0.012947382	5.04633E-06	23.12171173	2.08804E-05	0.000171143	0.000230232	0.001439832
2078 Jul	157.5044556	0.114249371	0.129430979	0.005117179	40.80688477	0.044183552	61.35958099	0.000933479	0.000933479	4.71013E-06	0.005210233	0.001060083	0.039749295	0.013003897	5.06847E-06	23.22455978	2.09752E-05	0.000171905	0.000231228	0.001446215
2078 Aug	157.8616486	0.114426598	0.129618704	0.005125228	40.88181686	0.044297274	61.51612854	0.000935498	0.000935498	4.72033E-06	0.005222533	0.001062925	0.039851751	0.013033077	5.0796E-06	23.28052902	2.1022E-05	0.000172295	0.000231721	0.001449644
2078 Sep	158.0312653	0.114513271	0.129679799	0.005128115	40.91392517	0.044356622	61.59191895	0.000936455	0.000936455	4.72517E-06	0.005229292	0.001064382	0.039903559	0.013047945	5.08489E-06	23.30898857	2.10448E-05	0.000172517	0.000231948	0.001451287
2078 Oct	157.9407349	0.11443767	0.129529864	0.005122654	40.87952423	0.044342428	61.56494141	0.000935873	0.000935873	4.72224E-06	0.005228449	0.001064077	0.039887864	0.013042095	5.0818E-06	23.29923248	2.10365E-05	0.000172453	0.000231804	0.001450606
2078 Nov	157.9424744	0.114441283	0.129517198	0.005122271	40.87820816	0.044346329	61.566185	0.000935913	0.000935913	4.72244E-06	0.005229209	0.001064179	0.039889395	0.01304318	5.082E-06	23.30050659	2.10378E-05	0.000172468	0.000231808	0.001450673
2078 Dec	157.9470367	0.114444904	0.129520774	0.005122416	40.8793869	0.044347737	61.5678978	0.000935943	0.000935943	4.72259E-06	0.005229388	0.001064213	0.039890539	0.013043612	5.08217E-06	23.30121422	2.10384E-05	0.000172474	0.000231815	0.001450717
2079 Jan	157.9474335	0.114445329	0.129520983	0.005122425	40.87948608	0.044347875	61.56799698	0.000935946	0.000935946	4.72261E-06	0.005229412	0.001064218	0.039890613	0.013043717	5.08218E-06	23.30131912	2.10385E-05	0.000172475	0.000231816	0.001450722
2079 Feb	157.9476929	0.11444553	0.129521087	0.005122428	40.87955093	0.04434792	61.56803513	0.000935948	0.000935948	4.72262E-06	0.005229422	0.001064222	0.039890639	0.013043812	5.08219E-06	23.30139923	2.10385E-05	0.000172476	0.000231818	0.001450725
2079 Mar	157.9566956	0.114452071	0.129528418	0.005122718	40.88188171	0.044350434	61.57151794	0.000936002	0.000936002	4.72289E-06	0.00522972	0.001064284	0.039892893	0.013044595	5.08248E-06	23.30275154	2.10397E-05	0.000172486	0.000231832	0.001450808
2079 Apr	158.0076294	0.114489004	0.129570186	0.005124369	40.89506912	0.044364732	61.59136581	0.000936304	0.000936304	4.72441E-06	0.005231408	0.001064628	0.039905753	0.013048825	5.08412E-06	23.31028175	2.10465E-05	0.000172542	0.000231907	0.001451276
2079 May	158.2060394	0.114630803	0.129723012	0.00513043	40.94559479	0.044419475	61.66567612	0.000937523	0.000937523	4.73056E-06	0.005238415	0.001066129	0.039954286	0.013069693	5.0907E-06	23.34231567	2.10742E-05	0.000172805	0.000232267	0.001453151
2079 Jun	157.0024872	0.113501504	0.128317833	0.005078111	40.57240295	0.044090863	61.1600914	0.00093275	0.00093275	4.70633E-06	0.005224836	0.00106251	0.039657995	0.013049519	5.06345E-06	23.21930695	2.10001E-05	0.000172653	0.000231543	0.001443502
2079 Jul	157.0761566	0.113421179	0.12821947	0.00507552	40.56295013	0.044122431	61.20503998	0.000933571	0.000933571	4.71047E-06	0.005233644	0.001063874	0.039694775	0.013058374	5.06787E-06	23.2360611	2.10329E-05	0.000172879	0.000231641	0.001444425
2079 Aug	157.6081238	0.113756672	0.128590837	0.005090626	40.68997574	0.044281211	61.42206573	0.000936712	0.000936712	4.72633E-06	0.005251813	0.001067773	0.039836392	0.0131029	5.085E-06	23.31694221	2.11036E-05	0.000173467	0.000232409	0.001449431
2079 Sep	157.4622955	0.113623649	0.128324658	0.00508106	40.63123703	0.044264983	61.38021469	0.00093583	0.00093583	4.72189E-06	0.005251022	0.001067442	0.039814066	0.013094622	5.08031E-06	23.30285835	2.10896E-05	0.000173387	0.00023217	0.001448382
2079 Oct	157.2797241	0.113505371	0.128085822	0.005072345	40.57269287	0.044234924	61.31312943	0.000934913	0.000934913	4.71726E-06	0.00524928	0.001066758	0.039774977	0.013085124	5.07528E-06	23.28215981	2.10715E-05	0.000173267	0.000231905	0.00144702
2079 Nov	157.1894989	0.113459483	0.127975807	0.005068386	40.5456543	0.044222496	61.27638626	0.000934569	0.000934569	4.71551E-06	0.005249021	0.001066477	0.039754216	0.013082013	5.0733E-06	23.27250099	2.10631E-05	0.000173222	0.000231784	0.001446396
2079 Dec	157.1148834	0.113427132	0.127893418	0.005065433	40.52482224	0.04421233	61.24399567	0.000934329	0.000934329	4.71428E-06	0.005248883	0.001066244	0.039735962	0.013079939	5.07188E-06	23.26447296	2.10561E-05	0.000173188	0.000231689	0.001445887
2080 Jan	157.1148224	0.113427401	0.127893105	0.005065421	40.52480698	0.044212379	61.24383926	0.000934331	0.000934331	4.7143E-06	0.00524896	0.00106625	0.039735887	0.013080101	5.07189E-06	23.26456642	2.10561E-05	0.000173189	0.000231691	0.001445889
2080 Feb	157.1163483	0.11342857	0.127894118	0.005065461	40.52519989	0.044212755	61.2443161	0.000934341	0.000934341	4.71434E-06	0.00524896	0.001066265	0.039736193	0.013080395	5.07194E-06	23.26489258	2.10563E-05	0.000173192	0.000231696	0.001445905
2080 Mar	157.1177063	0.113429584	0.127895117	0.005065499	40.52554703	0.044213105	61.24477768	0.000934349	0.000934349	4.71439E-06	0.005249007	0.001066277	0.039736491	0.013080599	5.07199E-06	23.26514816	2.10565E-05	0.000173195	0.000231699	0.001445919
2080 Apr	157.1526184	0.113454804	0.127923474	0.005066622	40.53455734	0.044222914	61.25835419	0.000934557	0.000934557	4.71543E-06	0.005250175	0.001066516	0.039745297	0.013083556	5.07312E-06	23.2703476	2.10612E-05	0.000173234	0.000231752	0.00144624
2080 May	157.3733521	0.113613047	0.128100634	0.005073641	40.59117508	0.044284783	61.3441658	0.00093587	0.00093587	4.72206E-06	0.005257595	0.001068039	0.03980099	0.013102579	5.08024E-06	23.30347061	2.1091E-05	0.000173484	0.000232088	0.001448278
2080 Jun	156.8040161	0.113027371	0.127418891	0.005049347	40.40618896	0.044147816	61.11548233	0.00093435	0.00093435	4.7143E-06	0.005257819	0.00106628	0.039677773	0.013075382	5.07114E-06	23.23511314	2.10774E-05	0.000173365	0.00023137	0.001443749
2080 Jul	156.7870178	0.112860158	0.127220869	0.005043164	40.36921692	0.044160921	61.12472916	0.000934871	0.000934871	4.71691E-06	0.005265474	0.001067332	0.039693929	0.01307945	5.07382E-06	23.24048805	2.11024E-05	0.000173531	0.000231344	0.001443982
2080 Aug	157.1136932	0.113020249	0.127386272	0.005050363	40.43704224	0.044267721	61.26732254	0.000936778	0.000936778	4.72655E-06	0.005277138	0.001070013	0.039788131	0.013107142	5.08429E-06	23.29243851	2.11454E-05	0.000173901	0.000231799	0.001447156

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2080 Sep	157.0475616	0.112928279	0.127207696	0.005044147	40.40203094	0.044272423	61.2538681	0.000936429	0.000936429	4.72479E-06	0.005277685	0.001070169	0.039785016	0.013105028	5.08246E-06	23.28925514	2.11376E-05	0.000173908	0.000231675	0.001446758
2080 Oct	156.8791046	0.112819642	0.126979917	0.00503586	40.34701538	0.04424607	61.19266891	0.00093558	0.00093558	4.7205E-06	0.005276322	0.00106957	0.0397496	0.013096509	5.0778E-06	23.27056694	2.11213E-05	0.0001738	0.00023143	0.00144552
2080 Nov	156.7575378	0.11276336	0.12683697	0.005030734	40.31164932	0.04422994	61.1415863	0.000935155	0.000935155	4.71834E-06	0.005276124	0.001069202	0.039720856	0.013092856	5.07533E-06	23.25765991	2.111E-05	0.000173744	0.000231271	0.001444693
2080 Dec	156.7539673	0.112764262	0.126831681	0.005030566	40.31062317	0.044230469	61.13957596	0.000935166	0.000935166	4.71839E-06	0.005276341	0.001069216	0.039719958	0.013093179	5.07537E-06	23.2575531	2.111E-05	0.000173747	0.000231268	0.001444686
2081 Jan	156.7556305	0.11276567	0.126832813	0.005030612	40.31105042	0.044230979	61.14012146	0.000935177	0.000935177	4.71845E-06	0.005276415	0.001069232	0.03972033	0.013093438	5.07543E-06	23.25787163	2.11102E-05	0.00017375	0.000231272	0.001444703
2081 Feb	156.7566986	0.112766489	0.126833528	0.00503064	40.31132507	0.04423124	61.14045334	0.000935184	0.000935184	4.71849E-06	0.005276453	0.001069243	0.039720543	0.013093646	5.07546E-06	23.25810051	2.11103E-05	0.000173752	0.000231276	0.001444714
2081 Mar	156.761261	0.112769805	0.126837149	0.005030782	40.3125	0.044232506	61.14218903	0.000935211	0.000935211	4.71862E-06	0.005276608	0.001069276	0.039721668	0.013094094	5.07561E-06	23.25881958	2.1111E-05	0.000173758	0.000231284	0.001444757
2081 Apr	156.814743	0.112808198	0.126880109	0.005032485	40.32622147	0.044247538	61.16299057	0.00093553	0.00093553	4.72023E-06	0.005278406	0.001069644	0.039735176	0.013098679	5.07734E-06	23.26683044	2.11182E-05	0.000173818	0.000231364	0.00144525
2081 May	156.7776489	0.112759851	0.126708478	0.00502591	40.3058815	0.044222377	61.09928894	0.00093603	0.00093603	4.72268E-06	0.005283969	0.001071924	0.039700028	0.013165507	5.07933E-06	23.30404282	2.11321E-05	0.000174497	0.000232388	0.001445726
2081 Jun	156.299118	0.112271287	0.126009569	0.004998978	40.14379501	0.044063434	60.88018799	0.000933586	0.000933586	4.71029E-06	0.005276525	0.001071934	0.039564304	0.013205716	5.0656E-06	23.28693771	2.10995E-05	0.000174859	0.000232964	0.001442204
2081 Jul	157.0582581	0.112783454	0.126583233	0.005021943	40.33169937	0.044277992	61.18274307	0.000938062	0.000938062	4.73289E-06	0.005302636	0.001077242	0.039761253	0.013268805	5.08996E-06	23.40065575	2.12049E-05	0.000175716	0.000234082	0.001449215
2081 Aug	157.7813721	0.113271095	0.127124608	0.005043591	40.5102272	0.044484083	61.47285843	0.000942242	0.000942242	4.75399E-06	0.0053268	0.001082275	0.039949629	0.013328386	5.11277E-06	23.50906372	2.1302E-05	0.000176519	0.000235139	0.001455879
2081 Sep	157.9000397	0.113314785	0.127130181	0.005044322	40.52678299	0.044529077	61.53173447	0.000942831	0.000942831	4.75698E-06	0.005331889	0.001083393	0.039990116	0.013338418	5.1161E-06	23.53013992	2.13185E-05	0.000176681	0.000235285	0.001457051
2081 Oct	157.8935852	0.113303244	0.127069682	0.005042271	40.51711655	0.04453554	61.53541565	0.000942755	0.000942755	4.7566E-06	0.005333229	0.001083568	0.039993767	0.013338955	5.11575E-06	23.53175735	2.13203E-05	0.000176698	0.000235265	0.0014571
2081 Nov	157.7635345	0.11321722	0.126917779	0.005036636	40.47774506	0.04451007	61.48693085	0.000942065	0.000942065	4.75312E-06	0.005331113	0.001082964	0.039964568	0.013330893	5.11197E-06	23.51566124	2.13061E-05	0.000176594	0.000235073	0.001456066
2081 Dec	157.7542877	0.113214813	0.126905933	0.005036228	40.47504044	0.044509623	61.48270035	0.00094205	0.00094205	4.75304E-06	0.005331269	0.001082955	0.039962362	0.013330922	5.11187E-06	23.51488113	2.13054E-05	0.000176593	0.000235062	0.001456016
2082 Jan	157.7546844	0.113215365	0.126906022	0.005036233	40.47513962	0.044509787	61.48274231	0.000942055	0.000942055	4.75306E-06	0.005331303	0.001082963	0.039962411	0.013331098	5.11189E-06	23.515028	2.13055E-05	0.000176595	0.000235064	0.001456022
2082 Feb	157.757019	0.113217086	0.126907706	0.005036298	40.47573853	0.044510394	61.4835434	0.000942069	0.000942069	4.75313E-06	0.005331384	0.001082983	0.039962932	0.013331437	5.11197E-06	23.51545906	2.13058E-05	0.000176599	0.00023507	0.001456045
2082 Mar	157.7649231	0.1132228	0.12691398	0.005036546	40.47776794	0.044512603	61.48657227	0.000942116	0.000942116	4.75337E-06	0.005331653	0.00108304	0.039964899	0.013332182	5.11222E-06	23.51668549	2.13069E-05	0.000176608	0.000235083	0.001456119
2082 Apr	157.8055573	0.113251977	0.126946598	0.005037841	40.48819351	0.044524051	61.50237656	0.000942359	0.000942359	4.7546E-06	0.005333027	0.00108332	0.03997517	0.01333566	5.11354E-06	23.52276802	2.13124E-05	0.000176654	0.000235144	0.001456494
2082 May	158.0026245	0.113392808	0.127104282	0.005044099	40.53861618	0.044579569	61.5792923	0.000943532	0.000943532	4.76051E-06	0.005339678	0.001084676	0.040025137	0.013352355	5.11991E-06	23.5521965	2.1339E-05	0.000176875	0.000235439	0.001458313
2082 Jun	156.8800201	0.112333775	0.1258903	0.004999897	40.19566345	0.044297356	61.13328171	0.000939548	0.000939548	4.74028E-06	0.005329691	0.001079946	0.039771918	0.013284296	5.09706E-06	23.40639496	2.12787E-05	0.000176335	0.000233901	0.00144896
2082 Jul	156.5602112	0.111908808	0.125400379	0.004982823	40.07195663	0.044228088	61.02125549	0.000938791	0.000938791	4.73642E-06	0.00533275	0.001079395	0.039716695	0.013266981	5.09255E-06	23.36991119	2.12824E-05	0.000176307	0.000233442	0.001446531
2082 Aug	157.0821686	0.112234466	0.125750959	0.004997146	40.19458389	0.044384148	61.2354393	0.000941837	0.000941837	4.7518E-06	0.005350805	0.001083241	0.039857317	0.013310799	5.10919E-06	23.45001221	2.13524E-05	0.000176904	0.000234195	0.001451414
2082 Sep	157.2462158	0.11232353	0.125807479	0.004999829	40.22518158	0.044440422	61.30945587	0.000942728	0.000942728	4.75631E-06	0.005357561	0.001084632	0.039907243	0.013325016	5.11413E-06	23.47746277	2.13759E-05	0.000177115	0.000234417	0.001453013
2082 Oct	156.7750092	0.111990623	0.125278786	0.004979941	40.08411407	0.044336934	61.13762283	0.000939994	0.000939994	4.74252E-06	0.005347335	0.00108215	0.039800856	0.013291372	5.09933E-06	23.41599083	2.13208E-05	0.000176684	0.000233703	0.001449079
2082 Nov	156.7932739	0.112007	0.125285551	0.00498029	40.08792114	0.044344623	61.14462662	0.000940137	0.000940137	4.74323E-06	0.005348484	0.00108234	0.03980599	0.013293721	5.10009E-06	23.4194355	2.1324E-05	0.000176715	0.000233732	0.001449287
2082 Dec	156.8006287	0.112012602	0.125291258	0.00498052	40.08980179	0.044346843	61.14743042	0.000940184	0.000940184	4.74347E-06	0.005348766	0.001082394	0.039807849	0.013294403	5.10034E-06	23.42057228	2.1325E-05	0.000176724	0.000233743	0.001449358
2083 Jan	156.8023987	0.112014003	0.125292525	0.004980572	40.09025192	0.044347364	61.14805222	0.000940196	0.000940196	4.74353E-06	0.005348837	0.001082409	0.039808266	0.013294631	5.10041E-06	23.42088127	2.13253E-05	0.000176726	0.000233747	0.001449375
2083 Feb	156.8073578	0.112017579	0.125296399	0.004980725	40.0915184	0.044348743	61.14992905	0.000940226	0.000940226	4.74368E-06	0.005349007	0.001082446	0.039809488	0.013295129	5.10057E-06	23.42166901	2.13259E-05	0.000176733	0.000233756	0.001449422
2083 Mar	156.8183594	0.112025462	0.125305146	0.004981072	40.09432983	0.044351839	61.15419006	0.000940292	0.000940292	4.74402E-06	0.005349384	0.001082523	0.039812259	0.013296105	5.10093E-06	23.42333794	2.13274E-05	0.000176745	0.000233773	0.001449524
2083 Apr	156.875	0.112065926	0.125350371	0.00498287	40.10881424	0.04436785	61.17625809	0.000940631	0.000940631	4.74573E-06	0.005351316	0.001082915	0.039826628	0.013300932	5.10277E-06	23.43181419	2.13351E-05	0.000176809	0.000233858	0.001450048
2083 May	156.9177856	0.112084046	0.125280604	0.004980275	40.11240768	0.044368893	61.15363312	0.000941476	0.000941476	4.74993E-06	0.005358115	0.001085166	0.039816931	0.013358869	5.10677E-06	23.47116661	2.13555E-05	0.000177415	0.000234756	0.001451081
2083 Jun	155.9466553	0.111196809	0.124048628	0.004932705	39.81005096	0.044061691	60.70682907	0.000936823	0.000936823	4.72634E-06	0.005341362	0.001083917	0.039540753	0.013411075	5.08044E-06	23.41402435	2.12787E-05	0.00017782	0.000235407	0.001443687
2083 Jul	156.2909241	0.111339413	0.124203466	0.004939641	39.8764267	0.044165734	60.85980225	0.000938861	0.000938861	4.73664E-06	0.005355293	0.001086763	0.039642401	0.013439275	5.09165E-06	23.46847534	2.13347E-05	0.000178246	0.000235892	0.001446985
2083 Aug	156.5309906	0.111416817	0.124275975	0.004943529	39.91888046	0.044259984	60.96798325	0.00094052	0.00094052	4.74501E-06	0.005365366	0.001089233	0.039715879	0.013463608	5.10065E-06	23.51001549	2.13664E-05	0.000178536	0.000236236	0.001449593
2083 Sep	156.4584656	0.111343414	0.124091238	0.004937022	39.88205338	0.044260159	60.95363998	0.000940032	0.000940032	4.74256E-06	0.005366292	0.001089258	0.039710157	0.013459967	5.09812E-06	23.5051918	2.13613E-05	0.000178514	0.000236099	0.001449165
2083 Oct	156.0302582	0.111076824	0.123607226	0.004919087	39.75552368	0.044178162	60.79030991	0.00093785	0.00093785	4.73153E-06	0.0053596	0.001087263	0.039612133	0.013434082	5.08612E-06	23.45200729	2.13141E-05	0.000178172	0.000235464	0.001445788
2083 Nov	155.9039764	0.111002184	0.123464823	0.004913837	39.71850967	0.044155173	60.74119186	0.000937241	0.000937241	4.72845E-06	0.005357901	0.001086704	0.039582968	0.013427041	5.08275E-06	23.43663597	2.13004E-05	0.000178077	0.00023528	0.001444814
2083 Dec	155.9082336	0.111005656	0.123467907	0.004913965	39.7195816	0.04415657	60.74276733	0.000937271	0.000937271	4.7286E-06	0.005358089	0.001086738	0.039584044	0.013427484	5.0829E-06	23.43732643	2.13011E-05	0.000178083	0.000235286	0.001444856
2084 Jan	155.9088287	0.11100626	0.123468213	0.004913978	39.71973038	0.044156771	60.74291611	0.000937276	0.000937276	4.72863E-06	0.005358124	0.001086746	0.039584152	0.013427634	5.08293E-06	23.4374752	2.13012E-05	0.000178085	0.000235288	0.001444864
2084 Feb	155.9106903	0.111007623	0.123469569	0.004914031	39.72020721	0.044157267	60.74356842	0.000937288	0.000937288	4.72869E-06	0.005358189	0.001086762	0.039584577	0.013427895	5.08299E-06	23.43781662	2.13014E-05	0.000178088	0.000235293	0.001444882
2084 Mar	155.9218445	0.111015595	0.123478338	0.00491438	39.72304916	0.044160407	60.74787521	0.000937355	0.000937355	4.72902E-06	0.005358574	0.001086841	0.039587386	0.01342891	5.08336E-06	23.4395256	2.13029E-05	0.000178101	0.000235311	0.001444986
2084 Apr	156.0070648	0.111076288	0.123545788	0.004917064	39.74476624	0.044184532	60.78105927	0.000937867	0.000937867	4.73161E-06	0.005361503	0.001087436	0.039609008	0.013436279	5.08613E-06	23.45235443	2.13146E-05	0.000178199	0.00023544	0.001445776
2084 May	156.0039215	0.111052983	0.123396732	0.004911379	39.73308563	0.044167839	60.72719955	0.000938617	0.000938617	4.73531E-06	0.005368556	0.001090085	0.039580572	0.01351006	5.08944E-06	23.49700165	2.13341E-05	0.000178956	0.000236577	0.001446609
2084 Jun	155.1103363	0.110219099	0.12227203	0.004867759	39.4527359	0.04388262	60.33676529	0.000933804	0.000933804	4.71096E-06	0.005349566	0.001088206	0.039335296	0.013538967	5.06271E-06	23.43395805	2.12554E-05	0.000179123	0.000236922	0.001439501
2084 Jul	155.5909882	0.11048653	0.122565851	0.004879984	39.55944824	0.044022191	60.53819275	0.000936632	0.000936632	4.72524E-06	0.005367451	0.001091858	0.039467707	0.013579198	5.07818E-06	23.50819397	2.13276E-05	0.000179696	0.000237626	0.001444014
2084 Aug	156.030304	0.110739008	0.12283203	0.004891014	39.65777206	0.044154875	60.72346497	0.000939119	0.000939119	4.73781E-06	0.005382604	0.001095182	0.039589148	0.013615967	5.09184E-06	23.57653427	2.13866E-05	0.0001802	0.00023826	0.001448138
2084 Sep	155.9963074	0.110669911	0.122696668	0.004886291	39.63264847	0.044161025	60.72468948	0.000938807	0.000938807	4.73625E-06	0.005383036	0.001095337	0.039593045	0.013613406	5.09029E-06	23.57572746	2.13827E-05	0.000180201	0.000238169	0.001447939
2084 Oct	155.7374115	0.110506073	0.122386701	0.004874866	39.55352402	0.044114023	60.62862396	0.000937458	0.000937458	4.72944E-06	0.005379381	0.001094176	0.039535776	0.013597438	5.08291E-06	23.54403305	2.13547E-05	0.000179995	0.000237773	0.001445922
2084 Nov	155.6570129	0.110461593	0.122291505	0.004871397	39.52950287	0.044101231	60.59719467	0.000937097	0.000937097	4.72761E-06	0.005378665	0.001093859	0.039517514	0.013593411	5.08089E-06	23.53465652	2.13465E-05	0.000179941	0.000237655	0.001445329
2084 Dec	155.6631927	0.110466368	0.122296184	0.004871588	39.53107071	0.044103134	60.59952927	0.000937137	0.000937137	4.72781E-06	0.005378913	0.001093906	0.039519079	0.013594016	5.08111E-06	23.53563118	2.13474E-05	0.000179949	0.000237664	0.001445389
2085 Jan	155.6634064	0.110466681	0.122296214	0.00487159	39.53112793	0.044103228	60.59954453	0.00093714	0.00093714	4.72783E-06	0.005378933	0.001093911	0.039519101	0.013594119	5.08112E-06	23.5357151	2.13474E-05	0.00017995	0.000237666	0.001445392
2085 Feb	155.6653748	0.110468104	0.12229766	0.004871646	39.53162766	0.044103753	60.60024261	0.000937152	0.000937152	4.72789E-06	0.005379002	0.001093927	0.039519556	0.013594376	5.08118E-06	23.53606415	2.13477E-05	0.000179953	0.00023767	0.001445411
2085 Mar	155.6694946	0.110471062	0.122300841	0.004871773	39.5326767	0.044104908	60.60181808	0.000937177	0.000937177	4.72801E-06	0.005379145	0.001093958	0.039520584	0.013594784	5.08132E-06	23.53671646	2.13483E-05	0.000179958	0.000237677	0.00144545
2085 Apr	155.7146606	0.110503122	0.122336291	0.004873185	39.54414368	0.044117693	60.61938095	0.000937449	0.000937449	4.72938E-06	0.005380706	0.001094276	0.039532036	0.013598754	5.08279E-06	23.54356003	2.13545E-05	0.000180011	0.000237747	0.00144587
2085 May	155.7219543	0.110483818	0.122219995	0.004868751	39.53585434	0.044106588	60.58429337	0.000938013	0.000938013	4.73218E-06	0.005386208	0.001096367	0.039513819	0.013655625	5.08532E-06	23.57931137	2.13706E-05	0.000180599	0.000238633	0.00144658
2085 Jun	155.4816742	0.110205837	0.121781908	0.004851948	39.44506454	0.044017952	60.45695114	0.000937023	0.000937023	4.72712E-06	0.005385538	0.001097535	0.03943694	0.013706342	5.07945E-06	23.59018517	2.13646E-05	0.000181109	0.000239404	0.001445149
2085 Jul	156.0905457	0.110582568	0.122196198	0.004868842	39.58835602	0.044195328	60.70500183	0.000940628	0.000940628	4.74532E-06	0.005407128	0.001102058	0.039598972	0.013758852	5.09911E-06	23.6838131	2.14504E-05	0.000181815	0.000240318	0.001450877
2085 Aug	156.233429	0.110582449	0.122168623	0.004868547	39.60157013	0.04425256	60.7844162	0.000941269	0.000941269	4.74859E-06	0.005412354	0.00110353	0.039652668	0.013769388	5.10285E-06	23.7093277	2.14677E-05	0.000181985	0.000240474	0.00145231
2085 Sep	155.9547729	0.110353261	0.121786557	0.004854553	39.50802231	0.044206951	60.69075012	0.000939693	0.000939693	4.74064E-06	0.005407512	0.001102382	0.039598845	0.013749989	5.09435E-06	23.67601585	2.14337E-05	0.000181767	0.000240008	0.001450076
2085 Oct	155.6900024	0.110181011	0.121474914	0.004843008	39.42747116	0.044156443	60.59354019	0.000938262	0.000938262	4.73342E-06	0.005403205	0.001101119	0.039540276	0.013732365	5.08655E-06	23.64270782	2.14044E-05	0.000181542	0.000239594	0.001447969
2085 Nov	155.5457611	0.11009305	0.121317595	0.004837166	39.38567734	0.044128418	60.5381012	0.000937531	0.000937531	4.72972E-06	0.005400829	0.001100417	0.03950689	0.013723245	5.08253E-06	23.62437439	2.13882E-05	0.000181421	0.000239375	0.001446821
2085 Dec	155.5481415	0.11009524	0.121319205	0.004837236	39.38628006	0.044129297	60.53892899	0.00093755	0.00093755	4.72982E-06	0.005400957	0.001100439	0.039507486	0.013723539	5.08263E-06	23.62478828	2.13886E-05	0.000181425	0.000239379	0.001446847
2086 Jan	155.5485382	0.110095724	0.121319361	0.004837243	39.38637924	0.044129446	60.53900146	0.000937554	0.000937554	4.72984E-06	0.005400986	0.001100446	0.039507546	0.013723679	5.08265E-06	23.62491417	2.13886E-05	0.000181426	0.000239381	0.001446853
2086 Feb	155.5493469	0.110096343	0.121319853	0.004837262	39.38658524	0.04412964	60.53923798	0.000937559	0.000937559	4.72986E-06	0.005401016	0.001100455	0.039507702	0.013723854	5.08267E-06	23.62509727	2.13887E-05	0.000181428	0.000239384	0.001446861
2086 Mar	155.554657	0.11010012	0.121323928	0.004837424	39.38793182	0.044131126	60.54125977	0.000937591	0.000937591	4.73003E-06	0.005401201	0.001100494	0.039509017	0.013724378	5.08285E-06	23.62593842	2.13895E-05	0.000181435	0.000239393	0.001446911
2086 Apr	155.6161804	0.110143676	0.121371873	0.004839335	39.40351105	0.044148568	60.56518173	0.000937962	0.000937962	4.7319E-06	0.005403338	0.00110093	0.03952463	0.013729841	5.08486E-06	23.63530159	2.13979E-05	0.000181507	0.000239488	0.001447484
2086 May	155.7827759	0.110257499	0.121468589	0.004843249	39.44335175	0.044192135	60.61740494	0.000939152	0.000939152	4.73788E-06	0.005410811	0.001102735	0.039560311	0.013761976	5.09112E-06	23.67118454	2.14255E-05	0.00018188	0.000240013	0.001449237
2086 Jun	154.8252563	0.109387212	0.120312288	0.004799153	39.14995575	0.043902822	60.18175888	0.000935077	0.000935077	4.71719E-06	0.005397343	0.001101012	0.039296914	0.013793194	5.06778E-06	23.60112381	2.13587E-05	0.00018214	0.00024027	0.001441857
2086 Jul	155.2532654	0.109574884	0.120513208	0.004808183	39.23406219	0.04403111	60.36567307	0.000937816	0.000937816	4.73102E-06	0.005416382	0.001104638	0.039421625	0.013830852	5.08269E-06	23.6698513	2.14341E-05	0.000182726	0.000240899	0.001445981
2086 Aug	155.6242371	0.10975562	0.120694205	0.004816071	39.31007767	0.044150632	60.52806854	0.000939935	0.000939935	4.74172E-06	0.005429657	0.001107682	0.039528973	0.01386274	5.09436E-06	23.72942734	2.14836E-05	0.00018316	0.000241428	0.00144956
2086 Sep	155.4576416	0.109591886	0.120416433	0.00480613	39.24710083	0.044135131	60.47670746	0.000939056	0.000939056	4.73729E-06	0.005427583	0.001107264	0.039503127	0.013852363	5.08962E-06	23.712183	2.14616E-05	0.000183066	0.000241128	0.001448295
2086 Oct	155.4188843	0.109569542	0.120329738	0.004803123	39.22982025	0.044136386	60.46562958	0.000938879	0.000938879	4.7364E-06	0.005428621	0.001107289	0.039498188	0.013851431	5.08866E-06	23.70968628	2.14598E-05	0.000183059	0.000241061	0.001448107
2086 Nov	155.454483	0.109595023	0.120355882	0.00480418	39.2386322	0.044146884	60.47951508	0.000939098	0.000939098	4.7375E-06	0.005429942	0.001107552	0.039507337	0.013854707	5.08985E-06	23.71522141	2.14648E-05	0.000183103	0.000241116	0.001448444
2086 Dec	155.4593506	0.109598711	0.120359525	0.004804328	39.23986053	0.044148367	60.48135376	0.00093913	0.00093913	4.73766E-06	0.005430135	0.001107589	0.039508566	0.013855183	5.09002E-06	23.71599197	2.14655E-05	0.000183109	0.000241124	0.001448491
2087 Jan	155.4602203	0.109599441	0.120360114	0.004804352	39.24008179	0.044148643	60.48164749	0.000939136	0.000939136	4.73769E-06	0.005430175	0.001107597	0.039508771	0.013855319	5.09005E-06	23.71616173	2.14656E-05	0.00018311	0.000241126	0.0014485
2087 Feb	155.4640656	0.109602176	0.120363019	0.004804468	39.24105453	0.044149712	60.48309708	0.000939159	0.000939159	4.73781E-06	0.00543031	0.001107627	0.039509717	0.013855721	5.09018E-06	23.71678162	2.14662E-05	0.000183115	0.000241133	0.001448537
2087 Mar	155.4774933	0.109611653	0.120373368	0.00480488	39.24443817	0.044153512	60.48830032	0.00093924	0.00093924	4.73822E-06	0.005430779	0.001107723	0.039513111	0.013856948	5.09062E-06	23.71884918	2.1468E-05	0.000183132	0.000241154	0.001448662
2087 Apr	155.5089264	0.109633826	0.12039768	0.004805851	39.25237274	0.044162434	60.50051498	0.00093943	0.00093943	4.73918E-06	0.005431877	0.001107948	0.039521091	0.013859768	5.09165E-06	23.72365379	2.14724E-05	0.000183169	0.000241203	0.001448955
2087 May	155.5102692	0.109615929	0.120324738	0.004803056	39.24595642	0.044154689	60.48138809	0.000939684	0.000939684	4.74043E-06	0.005434684	0.00110909	0.039510898	0.013890953	5.09275E-06	23.74323845	2.1481E-05	0.000183491	0.000241694	0.001449313
2087 Jun	155.0064545	0.109125011	0.119613431	0.004775628	39.08102798	0.043986272	60.23603058	0.000937429	0.000937429	4.72898E-06	0.00542831	0.001109373	0.039360523	0.0139428	5.07977E-06	23.7294178	2.14498E-05	0.000183969	0.000242431	0.001445732
2087 Jul	155.4473877	0.10936074	0.119868666	0.004786442	39.17713165	0.0441202	60.42085648	0.00094012	0.00094012	4.74256E-06	0.005445148	0.001112915	0.039482627	0.01398196	5.09444E-06	23.79909515	2.15152E-05	0.000184504	0.000243092	0.001449983

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2087 Aug	155.9926758	0.109703742	0.120238394	0.004801521	39.30598068	0.044281453	60.64189529	0.000943353	0.000943353	4.75888E-06	0.005464332	0.001117008	0.03962734	0.014030249	5.11205E-06	23.88383293	2.159E-05	0.000185144	0.000243922	0.001455132
2087 Sep	156.2319946	0.109853238	0.12035761	0.004806668	39.3563385	0.044357702	60.74425507	0.000944697	0.000944697	4.76567E-06	0.005473878	0.001118922	0.039695296	0.014051579	5.11944E-06	23.92276764	2.16248E-05	0.000185443	0.00024427	0.001457443
2087 Oct	156.153717	0.109798655	0.120235488	0.004802253	39.32811356	0.044347312	60.71942902	0.00094424	0.00094424	4.76336E-06	0.005473379	0.001118649	0.039681096	0.014046456	5.11699E-06	23.91405678	2.16174E-05	0.000185384	0.000244135	0.001456872
2087 Nov	156.112915	0.109775975	0.120182768	0.004800347	39.3152771	0.044341631	60.70412445	0.000944051	0.000944051	4.76241E-06	0.00547314	0.001118501	0.039672341	0.01404433	5.11594E-06	23.90941429	2.16134E-05	0.000185357	0.000244072	0.001456579
2087 Dec	156.1172638	0.109779388	0.120185956	0.004800478	39.31637192	0.04434301	60.70574188	0.00094408	0.00094408	4.76256E-06	0.005473324	0.001118535	0.03967344	0.01404478	5.1161E-06	23.9101181	2.16141E-05	0.000185362	0.000244079	0.001456622
2088 Jan	156.1190033	0.109780759	0.120187171	0.004800528	39.31681061	0.044343531	60.70635605	0.000944092	0.000944092	4.76262E-06	0.005473396	0.001118551	0.03967385	0.014045016	5.11616E-06	23.91043091	2.16143E-05	0.000185365	0.000244083	0.00145664
2088 Feb	156.1202087	0.109781645	0.120187998	0.00480056	39.31711578	0.044343844	60.70676422	0.000944099	0.000944099	4.76265E-06	0.00547344	0.001118562	0.039674114	0.014045204	5.1162E-06	23.9106636	2.16145E-05	0.000185367	0.000244086	0.001456652
2088 Mar	156.1342468	0.109791547	0.120198764	0.004800989	39.32065582	0.044347819	60.71219635	0.000944184	0.000944184	4.76308E-06	0.005473933	0.001118663	0.039677668	0.014046512	5.11667E-06	23.9128418	2.16164E-05	0.000185384	0.000244108	0.001456783
2088 Apr	156.2532806	0.109875187	0.120290235	0.004804643	39.35061264	0.0443816	60.75846481	0.000944904	0.000944904	4.76671E-06	0.005478105	0.001119518	0.039707899	0.01405727	5.12056E-06	23.93110657	2.16329E-05	0.000185526	0.000244295	0.001457894
2088 May	156.5138245	0.110056348	0.120484255	0.004812381	39.41555786	0.044454515	60.8588295	0.000946467	0.000946467	4.7746E-06	0.005487243	0.001121457	0.039733352	0.014082927	5.12903E-06	23.9724617	2.16691E-05	0.000185856	0.000244741	0.001460343
2088 Jun	155.9592896	0.109498359	0.119831242	0.004788938	39.23864746	0.044315301	60.62770081	0.000945004	0.000945004	4.76712E-06	0.005487078	0.001119892	0.039647099	0.014064194	5.12018E-06	23.90979767	2.1655E-05	0.000185803	0.000244179	0.00145597
2088 Jul	156.4496765	0.109761946	0.120114714	0.004801185	39.34492493	0.044461053	60.82562637	0.000948348	0.000948348	4.78398E-06	0.005509386	0.001123983	0.039782818	0.014110542	5.1382E-06	23.98856163	2.17413E-05	0.000186503	0.000244937	0.001460708
2088 Aug	157.2510071	0.11029508	0.120690964	0.004824421	39.53986359	0.044692401	61.14460373	0.000953108	0.000953108	4.808E-06	0.0055375	0.001129835	0.039991647	0.014181661	5.16409E-06	24.11220741	2.18519E-05	0.000187454	0.00024617	0.001468198
2088 Sep	157.4821014	0.110426731	0.120809935	0.004829458	39.58840179	0.044762701	61.24514389	0.000954333	0.000954333	4.8142E-06	0.005545827	0.001131603	0.040057641	0.014200787	5.17088E-06	24.14888954	2.18841E-05	0.000187728	0.0002465	0.001470362
2088 Oct	157.0851898	0.110161565	0.120374717	0.004813123	39.47140503	0.044678673	61.09992599	0.000952066	0.000952066	4.80276E-06	0.005537429	0.001129449	0.039968025	0.014170815	5.15858E-06	24.09591293	2.18371E-05	0.000187345	0.00024586	0.00146706
2088 Nov	157.0224152	0.110128708	0.120298252	0.004810355	39.4524231	0.044669669	61.07555008	0.000951789	0.000951789	4.80136E-06	0.005537021	0.001129212	0.039954025	0.014167671	5.15703E-06	24.08867455	2.18308E-05	0.000187303	0.000245764	0.001466607
2088 Dec	157.0288544	0.110133581	0.120303012	0.004810549	39.45404053	0.044671644	61.07798004	0.000951832	0.000951832	4.80157E-06	0.00553728	0.001129262	0.039955653	0.014168311	5.15726E-06	24.08969879	2.18317E-05	0.000187311	0.000245775	0.00146667
2089 Jan	157.030014	0.110134557	0.12030378	0.004810581	39.45433426	0.044672005	61.07836151	0.00095184	0.00095184	4.80161E-06	0.005537333	0.001129274	0.039955918	0.014168498	5.1573E-06	24.08992958	2.18319E-05	0.000187313	0.000245778	0.001466682
2089 Feb	157.0324707	0.110136315	0.120305568	0.004810652	39.45495224	0.044672672	61.07926178	0.000951855	0.000951855	4.80169E-06	0.005537421	0.001129294	0.039956503	0.014168802	5.15739E-06	24.09035492	2.18323E-05	0.000187317	0.000245783	0.001466706
2089 Mar	157.0496674	0.110148393	0.120318681	0.004811176	39.45927429	0.044677548	61.08591843	0.000951959	0.000951959	4.80221E-06	0.005538028	0.001129419	0.039960854	0.014170398	5.15795E-06	24.09301949	2.18347E-05	0.000187338	0.00024581	0.001466867
2089 Apr	157.1252899	0.110201441	0.120376579	0.00481349	39.47827148	0.044699054	61.11531067	0.000952418	0.000952418	4.80453E-06	0.005540695	0.001129963	0.039980084	0.014177252	5.16043E-06	24.10463715	2.18452E-05	0.000187428	0.000245929	0.001467573
2089 May	157.1684265	0.110204041	0.120305791	0.00481082	39.47945786	0.044699673	61.10548782	0.000952996	0.000952996	4.80741E-06	0.005545913	0.001131831	0.039976671	0.014223921	5.16321E-06	24.13801765	2.18626E-05	0.000187922	0.000246672	0.001468447
2089 Jun	156.8774109	0.10988263	0.119787961	0.004790906	39.37288284	0.044591084	60.94247437	0.000951944	0.000951944	4.80202E-06	0.005545672	0.001133416	0.039878607	0.01429179	5.15678E-06	24.1542263	2.18562E-05	0.000188599	0.000247701	0.00146679
2089 Jul	157.398819	0.110178649	0.1201078	0.004804276	39.48995209	0.044748388	61.15786743	0.00095512	0.00095512	4.81805E-06	0.005565167	0.001137543	0.040020484	0.014338756	5.17407E-06	24.23647118	2.19318E-05	0.000189228	0.000248496	0.001471803
2089 Aug	157.8921967	0.110469833	0.120418854	0.004817225	39.6029129	0.044900727	61.35980225	0.000958143	0.000958143	4.83331E-06	0.005583164	0.001141463	0.04015347	0.014384119	5.19051E-06	24.31464005	2.19996E-05	0.000189815	0.000249252	0.001476578
2089 Sep	157.9800568	0.110504314	0.120389804	0.004816635	39.61027527	0.044937789	61.4079361	0.000958514	0.000958514	4.83519E-06	0.005587958	0.001142382	0.04018639	0.014391613	5.19268E-06	24.33141899	2.20144E-05	0.000189939	0.000249351	0.001477512
2089 Oct	157.4964294	0.110193931	0.119867824	0.004797093	39.46956253	0.044837963	61.22797775	0.000955848	0.000955848	4.82174E-06	0.005578272	0.001139791	0.040076066	0.014356052	5.17816E-06	24.26709366	2.19575E-05	0.000189481	0.000248572	0.001473529
2089 Nov	157.4818878	0.110192336	0.119840525	0.004796182	39.46421814	0.044839576	61.22186279	0.000955838	0.000955838	4.82169E-06	0.005578944	0.001139825	0.04007338	0.014356473	5.17807E-06	24.26638985	2.19571E-05	0.000189486	0.000248552	0.001473481
2089 Dec	157.4895935	0.110198073	0.11984624	0.004796415	39.46614838	0.044841908	61.2247963	0.000955888	0.000955888	4.82194E-06	0.005579247	0.001139884	0.040075336	0.014357233	5.17834E-06	24.26761436	2.19582E-05	0.000189496	0.000248564	0.001473556
2090 Jan	157.4929504	0.110200562	0.119848669	0.004796512	39.46699142	0.044842891	61.22603989	0.000955909	0.000955909	4.82205E-06	0.005579377	0.001139911	0.040076159	0.014357614	5.17846E-06	24.26817703	2.19586E-05	0.0001895	0.000248571	0.001473589
2090 Feb	157.4970856	0.110203497	0.119851738	0.004796634	39.46803284	0.044844043	61.22759247	0.000955935	0.000955935	4.82217E-06	0.005579525	0.001139943	0.040077176	0.014358067	5.17859E-06	24.26885986	2.19592E-05	0.000189506	0.000248579	0.001473628
2090 Mar	157.5102539	0.110212713	0.119861692	0.004797033	39.47132874	0.044847772	61.23267365	0.000956015	0.000956015	4.82258E-06	0.005579991	0.001140039	0.040080499	0.014359307	5.17902E-06	24.27091026	2.19611E-05	0.000189522	0.0002486	0.001473752
2090 Apr	157.5560913	0.110244803	0.119896546	0.004798427	39.4828186	0.044860817	61.25048065	0.000956293	0.000956293	4.82398E-06	0.005581615	0.001140372	0.040092155	0.01436351	5.18053E-06	24.27798843	2.19674E-05	0.000189578	0.000248673	0.001474181
2090 May	157.6973724	0.110340476	0.119987853	0.004802108	39.51689911	0.044899181	61.30022812	0.00095722	0.00095722	4.82865E-06	0.005587315	0.001141669	0.04012534	0.014384017	5.18548E-06	24.30444908	2.19892E-05	0.000189826	0.000249015	0.001475589
2090 Jun	156.7192688	0.109470248	0.11884319	0.00475815	39.22255707	0.044599414	60.8576622	0.000952814	0.000952814	4.8063E-06	0.005570966	0.001139526	0.03985459	0.014410259	5.16044E-06	24.22881317	2.19136E-05	0.000190002	0.000249218	0.001467909
2090 Jul	157.1434784	0.109685071	0.119072258	0.004768115	39.31175995	0.04472632	61.03357315	0.00095558	0.00095558	4.82025E-06	0.005589473	0.00114307	0.039973807	0.014449467	5.17543E-06	24.29705429	2.19857E-05	0.000190585	0.000249868	0.001472006
2090 Aug	157.0382385	0.109499961	0.118812613	0.00475913	39.25824356	0.044734351	61.01403046	0.000955079	0.000955079	4.81773E-06	0.005588212	0.001143247	0.039969128	0.014442735	5.1728E-06	24.28903389	2.19669E-05	0.000190534	0.000249628	0.001471332
2090 Sep	156.6825714	0.109233588	0.118368514	0.004742724	39.14528656	0.044670213	60.89111328	0.000953041	0.000953041	4.80746E-06	0.005581313	0.001141531	0.03989622	0.014415567	5.1618E-06	24.24356842	2.19231E-05	0.000190212	0.000249015	0.001468422
2090 Oct	156.1004181	0.108894631	0.117762439	0.004720163	38.98105621	0.044556599	60.66531372	0.00095011	0.00095011	4.79264E-06	0.005571198	0.001138543	0.03975971	0.014376499	5.14564E-06	24.16737556	2.18558E-05	0.000189694	0.000248098	0.001463752
2090 Nov	155.9130859	0.108777203	0.117569089	0.004712897	38.92790985	0.044517107	60.59443283	0.000949092	0.000949092	4.7875E-06	0.005567286	0.001137509	0.03971611	0.014362621	5.14008E-06	24.14208794	2.18334E-05	0.000189513	0.000247797	0.001462198
2090 Dec	155.9187012	0.10878177	0.11757306	0.004713063	38.92931747	0.044518966	60.59649658	0.000949132	0.000949132	4.7877E-06	0.005567542	0.001137557	0.039717533	0.014363243	5.1403E-06	24.14302444	2.18342E-05	0.000189521	0.000247806	0.001462255
2091 Jan	155.9199677	0.108782843	0.11757385	0.004713096	38.92963409	0.044519361	60.59690475	0.000949141	0.000949141	4.78775E-06	0.005567602	0.001137569	0.039717816	0.01436346	5.14035E-06	24.14328194	2.18344E-05	0.000189523	0.00024781	0.001462269
2091 Feb	155.9208984	0.108783528	0.117574416	0.004713118	38.92986298	0.044519588	60.59718323	0.000949147	0.000949147	4.78778E-06	0.005567635	0.001137579	0.039717998	0.014363646	5.14038E-06	24.14348412	2.18346E-05	0.000189525	0.000247813	0.001462279
2091 Mar	155.9428253	0.108798854	0.117590897	0.004713778	38.93534088	0.044525832	60.60567093	0.000949281	0.000949281	4.78845E-06	0.00556842	0.001137741	0.039723556	0.014365721	5.1411E-06	24.14691353	2.18376E-05	0.000189552	0.000247848	0.001462485
2091 Apr	156.0296936	0.108859472	0.117656358	0.004716401	38.95703125	0.04455062	60.6394043	0.00094981	0.00094981	4.79112E-06	0.005571522	0.001138375	0.039745666	0.014373754	5.14396E-06	24.16038132	2.18498E-05	0.000189658	0.000247987	0.0014633
2091 May	156.18573	0.108961947	0.117725343	0.004719249	38.9925499	0.044589359	60.68161392	0.000951022	0.000951022	4.79721E-06	0.005579497	0.001140428	0.039775614	0.014413738	5.15027E-06	24.20008087	2.18784E-05	0.00019011	0.000248631	0.001465057
2091 Jun	155.5921173	0.108420901	0.116934143	0.004688635	38.80721664	0.044391032	60.37932587	0.00094862	0.00094862	4.78497E-06	0.005572478	0.001140819	0.039590944	0.014479967	5.13615E-06	24.18495178	2.18411E-05	0.00019071	0.000249564	0.001460907
2091 Jul	156.312088	0.10888499	0.117432758	0.004709001	38.97900391	0.044599481	60.66376495	0.000953105	0.000953105	4.8076E-06	0.005599887	0.001146315	0.039779361	0.014547108	5.16043E-06	24.29809761	2.19482E-05	0.000191625	0.000250707	0.001467728
2091 Aug	156.4568481	0.108895607	0.117408767	0.004708937	38.99394226	0.044661984	60.74026108	0.00095389	0.00095389	4.81158E-06	0.005605872	0.001147895	0.039833155	0.014559682	5.16486E-06	24.32497787	2.19655E-05	0.000191825	0.000250871	0.001469222
2091 Sep	156.3697052	0.108793028	0.117225111	0.004702559	38.95579147	0.044665426	60.71642685	0.000953521	0.000953521	4.80971E-06	0.005605678	0.001147908	0.039824791	0.014555312	5.16286E-06	24.3181324	2.19525E-05	0.000191806	0.000250688	0.001468635
2091 Oct	156.0528412	0.108585186	0.116876461	0.0046895	38.86223221	0.044599865	60.60137558	0.000951705	0.000951705	4.80055E-06	0.0055991	0.001146167	0.039753899	0.014530475	5.15302E-06	24.2754097	2.19149E-05	0.000191491	0.000250159	0.001466003
2091 Nov	155.8004456	0.108439893	0.11661949	0.004679917	38.79187393	0.044550069	60.50295639	0.000950439	0.000950439	4.79416E-06	0.005594585	0.001144844	0.039694272	0.014513238	5.14604E-06	24.24200439	2.18854E-05	0.000191262	0.000249758	0.001463968
2091 Dec	155.7989044	0.108441465	0.116616137	0.004679819	38.79135132	0.04455087	60.50195313	0.000950454	0.000950454	4.79423E-06	0.005594796	0.001144863	0.039693929	0.014513548	5.1461E-06	24.24208832	2.18855E-05	0.000191265	0.000249757	0.001463974
2092 Jan	155.7999878	0.108442441	0.116616778	0.004679845	38.79162598	0.044551224	60.50227737	0.000950462	0.000950462	4.79427E-06	0.005594852	0.001144875	0.039694156	0.014513765	5.14614E-06	24.24232864	2.18857E-05	0.000191268	0.00024976	0.001463986
2092 Feb	155.8031616	0.108444706	0.116619021	0.004679934	38.79241943	0.044552088	60.50342178	0.000950482	0.000950482	4.79437E-06	0.005594967	0.001144902	0.039694909	0.014514179	5.14625E-06	24.24289322	2.18862E-05	0.000191272	0.000249767	0.001464017
2092 Mar	155.8289795	0.108462714	0.116638273	0.004680706	38.79885101	0.044559449	60.51340485	0.000950639	0.000950639	4.79516E-06	0.005595895	0.001145093	0.039701454	0.01451665	5.1471E-06	24.24695015	2.18898E-05	0.000191305	0.00024981	0.00146426
2092 Apr	155.9009399	0.108512811	0.116692081	0.004682865	38.81676483	0.044580009	60.54131699	0.000951078	0.000951078	4.79738E-06	0.00559848	0.001145623	0.039719768	0.014523388	5.14948E-06	24.25816727	2.18999E-05	0.000191393	0.000249926	0.001464937
2092 May	156.0050812	0.108576991	0.116707377	0.004683585	38.83827209	0.044602185	60.55796814	0.000952051	0.000952051	4.80225E-06	0.005605304	0.001147566	0.039733622	0.014566131	5.15441E-06	24.29441261	2.19232E-05	0.00019186	0.000250604	0.001466294
2092 Jun	154.6047516	0.107365206	0.115143202	0.004622736	38.42667389	0.044163976	59.93981171	0.000944923	0.000944923	4.76616E-06	0.005574425	0.001143381	0.039346334	0.014583883	5.11458E-06	24.17352486	2.17939E-05	0.000191826	0.000250669	0.001454881
2092 Jul	154.67099	0.107280031	0.115046121	0.004619969	38.4158287	0.044188917	59.98720932	0.00094543	0.00094543	4.76873E-06	0.005581017	0.001144435	0.039381962	0.014587696	5.11745E-06	24.18673706	2.18211E-05	0.000191983	0.000250717	0.001455611
2092 Aug	155.2514648	0.107641034	0.11542175	0.004635356	38.55051804	0.044360239	60.2232399	0.000948833	0.000948833	4.78591E-06	0.005601777	0.001148857	0.039537296	0.01464049	5.13601E-06	24.27850914	2.19017E-05	0.000192697	0.000251622	0.00146108
2092 Sep	155.3264618	0.107655808	0.115393817	0.004634765	38.55621338	0.044393633	60.26477814	0.000949175	0.000949175	4.78765E-06	0.005605451	0.001149673	0.039566666	0.014646755	5.13799E-06	24.29298973	2.19122E-05	0.000192809	0.000251699	0.001461853
2092 Oct	155.2361755	0.107591338	0.115262926	0.004629978	38.52480316	0.044379316	60.23660278	0.000948605	0.000948605	4.78478E-06	0.005604268	0.001149267	0.039549902	0.014639406	5.13496E-06	24.28181458	2.19026E-05	0.000192724	0.000251531	0.001461149
2092 Nov	155.2196655	0.107582048	0.115235671	0.004629012	38.51875305	0.044378113	60.23120499	0.000948523	0.000948523	4.78437E-06	0.005604345	0.001149226	0.039547008	0.014638515	5.13452E-06	24.28013802	2.19012E-05	0.000192714	0.000251501	0.001461042
2092 Dec	155.2273712	0.107587755	0.115241259	0.00462924	38.52067184	0.04438046	60.23413849	0.000948574	0.000948574	4.78462E-06	0.005604654	0.001149286	0.039548971	0.014639299	5.13479E-06	24.28138351	2.19024E-05	0.000192724	0.000251514	0.001461117
2093 Jan	155.2281647	0.107588433	0.115241729	0.004629259	38.52087021	0.04438071	60.23437881	0.00094858	0.00094858	4.78465E-06	0.005604693	0.001149295	0.039549146	0.014639447	5.13482E-06	24.28154945	2.19025E-05	0.000192725	0.000251516	0.001461126
2093 Feb	155.2311554	0.107590549	0.115243867	0.004629344	38.52161407	0.044381537	60.23548508	0.000948598	0.000948598	4.78475E-06	0.005604802	0.001149319	0.039549869	0.014639804	5.13492E-06	24.28206253	2.19029E-05	0.00019273	0.000251523	0.001461155
2093 Mar	155.2691345	0.107616886	0.115272008	0.004630474	38.53103638	0.044392377	60.25019073	0.00094883	0.00094883	4.78592E-06	0.005606174	0.001149602	0.039559521	0.014643426	5.13617E-06	24.28802681	2.19083E-05	0.000192777	0.000251585	0.001461512
2093 Apr	155.3459625	0.107670143	0.11532902	0.004632764	38.55010223	0.044414338	60.27998734	0.0009493	0.0009493	4.78828E-06	0.005608948	0.001150171	0.039579086	0.014650694	5.13871E-06	24.30005836	2.19191E-05	0.000192873	0.00025171	0.001462236
2093 May	155.4805603	0.107755236	0.115375526	0.004634722	38.57955933	0.044446301	60.31289673	0.000950389	0.000950389	4.79375E-06	0.005616312	0.001152142	0.039603032	0.014690682	5.14434E-06	24.3377285	2.19452E-05	0.00019332	0.000252352	0.001463813
2093 Jun	154.7364655	0.10708157	0.114460491	0.004599206	38.3520546	0.044204373	59.9667778	0.000946826	0.000946826	4.77568E-06	0.0056028	0.001151063	0.039388064	0.014730635	5.12415E-06	24.29285812	2.18863E-05	0.000193626	0.00025287	0.001458081
2093 Jul	155.2461395	0.107367985	0.114763759	0.004611982	38.46496964	0.04435632	60.17552948	0.000950004	0.000950004	4.79172E-06	0.005622999	0.001155181	0.039527018	0.014778361	5.14141E-06	24.37452507	2.19647E-05	0.000194286	0.000253673	0.001462986
2093 Aug	155.7192993	0.107641563	0.115047224	0.004623772	38.57082367	0.044498987	60.37197495	0.000952766	0.000952766	4.80566E-06	0.005639987	0.001158896	0.03965611	0.014821382	5.15651E-06	24.44995689	2.20303E-05	0.000194861	0.000254405	0.001467495
2093 Sep	155.7662048	0.107643664	0.114981987	0.004621756	38.56702042	0.044524893	60.40562439	0.000952862	0.000952862	4.80617E-06	0.005643247	0.001159513	0.039679531	0.014824533	5.15721E-06	24.46029663	2.20391E-05	0.000194932	0.00025443	0.001468038
2093 Oct	155.1579895	0.107256949	0.114361107	0.004598347	38.39460754	0.044394169	60.17948151	0.000949433	0.000949433	4.78887E-06	0.00562954	0.001155977	0.039539266	0.014775363	5.13858E-06	24.3757515	2.19646E-05	0.0001943	0.000253405	0.001462909
2093 Nov	154.9644012	0.107160136	0.114162296	0.004591044	38.34123611	0.044361025	60.10150528	0.000948576	0.000948576	4.78452E-06	0.005627098	0.001155057	0.039493199	0.014763701	5.13377E-06	24.35104942	2.1943E-05	0.000194141	0.000253097	0.001461426
2093 Dec	154.9720612	0.107166111	0.114167623	0.004591265	38.34313202	0.044363488	60.10434341	0.000948629	0.000948629	4.78479E-06	0.005627435	0.00115512	0.03949514	0.01476454	5.13405E-06	24.35232353	2.19441E-05	0.000194152	0.00025311	0.001461502
2094 Jan	154.9741364	0.107167743	0.114169002	0.004591321	38.343647	0.044364117	60.10506439	0.000948643	0.000948643	4.78486E-06	0.005627526	0.00115514	0.039495625	0.014764839	5.13413E-06	24.35271072	2.19445E-05	0.000194155	0.000253115	0.001461524
2094 Feb	154.9759674	0.107169054	0.114170231	0.00459137	38.34410095	0.044364601	60.10569763	0.000948655	0.000948655	4.78492E-06	0.005627593	0.001155156	0.039496042	0.014765117	5.13419E-06	24.35305977	2.19447E-05	0.000194159	0.00025312	0.001461542
2094 Mar	154.9954071	0.107182525	0.114184484	0.004591942	38.34891129	0.044370148	60.11319351	0.000948774	0.000948774	4.78552E-06	0.005628299	0.001155303	0.039500967	0.014767026	5.13483E-06	24.35614777	2.19475E-05	0.000194183	0.000253152	0.001461726
2094 Apr	155.0477753	0.107218757	0.114223033	0.004593492	38.36186981	0.044385131	60.13348389	0.000949094	0.000949094	4.78714E-06	0.005630202	0.001155694	0.039514299	0.014772047	5.13657E-06	24.36439705	2.19549E-05	0.000194249	0.000253239	0.00146222
2094 May	154.9893646	0.107154682	0.114081994	0.004587977	38.33882904	0.044356488	60.08273315	0.000949079	0.000949079	4.78702E-06	0.005631796	0.001156818	0.039484121	0.014809794	5.13611E-06	24.382061	2.1958E-05	0.000194622	0.000253826	0.001462144
2094 Jun	154.823288	0.106932737	0.113692529	0.004573052	38.26766586	0.044283561	59.97141647	0.000948713	0.000948713	4.7851E-06	0.00563482	0.00115896	0.039418746	0.014881255	5.13345E-06	24.41217804	2.19657E-05	0.000195361	0.000254937	0.001461546

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2094 Jul	155.6009064	0.107421719	0.114210591	0.004594273	38.45015335	0.044509728	60.2818985	0.000953461	0.000953461	4.80906E-06	0.005663955	0.001164972	0.039623525	0.014954706	5.15922E-06	24.53562927	2.20795E-05	0.000196347	0.00025619	0.001468938
2094 Aug	156.4033508	0.107949808	0.114767283	0.004616878	38.64297485	0.044743627	60.59878159	0.000958333	0.000958333	4.83364E-06	0.00569318	0.001171092	0.039832026	0.015031087	5.18564E-06	24.6628418	2.21927E-05	0.000197353	0.000257492	0.001476549
2094 Sep	156.4423218	0.107954569	0.114691637	0.004614522	38.63697052	0.044769973	60.62847519	0.000958431	0.000958431	4.83415E-06	0.005696813	0.00117171	0.039853442	0.015034423	5.18633E-06	24.67259789	2.22014E-05	0.000197424	0.000257506	0.001477065
2094 Oct	156.109314	0.107733004	0.114322722	0.004600692	38.53783798	0.044700973	60.51042938	0.000956454	0.000956454	4.82418E-06	0.005689561	0.001169807	0.039780304	0.015006134	5.17568E-06	24.62662125	2.21612E-05	0.000197071	0.00025692	0.001474268
2094 Nov	155.7442322	0.107523307	0.113959633	0.00458711 4	38.43703842	0.044627875	60.36898041	0.000954588	0.000954588	4.81475E-06	0.005682566	0.001167798	0.039694134	0.014979308	5.1654E-06	24.57699013	2.21176E-05	0.000196717	0.000256317	0.001471286
2094 Dec	155.723053	0.107511491	0.113938078	0.004586313	38.4311409	0.044623837	60.36073685	0.000954482	0.000954482	4.81422E-06	0.005682202	0.001167687	0.039689165	0.014977816	5.16482E-06	24.57416153	2.21152E-05	0.000196698	0.000256282	0.001471116
2095 Jan	155.7257996	0.107513621	0.113939896	0.004586387	38.43181992	0.044624668	60.36169052	0.000954501	0.000954501	4.81431E-06	0.005682319	0.001167712	0.039689809	0.014978202	5.16492E-06	24.57466698	2.21156E-05	0.000196702	0.000256288	0.001471144
2095 Feb	155.7281647	0.10751532	0.113941491	0.00458645	38.43240738	0.044625301	60.36252213	0.000954516	0.000954516	4.81439E-06	0.005682407	0.001167733	0.039690353	0.014978556	5.165E-06	24.5751152	2.21159E-05	0.000196706	0.000256294	0.001471167
2095 Mar	155.7402191	0.10752368	0.11395023	0.004586801	38.43538284	0.044628732	60.36714172	0.00095459	0.00095459	4.81476E-06	0.005682847	0.001167826	0.039693389	0.014979783	5.1654E-06	24.57705879	2.21176E-05	0.000196722	0.000256315	0.001471282
2095 Apr	155.8067017	0.107569598	0.11399883	0.004588757	38.45178986	0.044647768	60.3928833	0.000954997	0.000954997	4.81682E-06	0.005685274	0.001168325	0.039710313	0.014986216	5.1676E-06	24.58757401	2.21271E-05	0.000196806	0.000256425	0.00147191
2095 May	155.7830811	0.107524216	0.113877237	0.004584026	38.43624115	0.044628244	60.35696411	0.000955153	0.000955153	4.81756E-06	0.005687981	0.00116971	0.039689578	0.015027179	5.1681E-06	24.61087608	2.21351E-05	0.000197222	0.000257073	0.001472152
2095 Jun	155.8582611	0.107508034	0.113747716	0.004579287	38.43501663	0.044631116	60.34898758	0.000956116	0.000956116	4.82237E-06	0.005697213	0.001172748	0.039689951	0.01509951	5.17278E-06	24.66420364	2.21676E-05	0.000198015	0.000258226	0.001473583
2095 Jul	156.6702576	0.108025774	0.114293963	0.004601615	38.62696457	0.044868872	60.67201996	0.000961071	0.000961071	4.84737E-06	0.005727252	0.001179042	0.039902549	0.015177155	5.19967E-06	24.79349327	2.22841E-05	0.000199037	0.000259546	0.00148133
2095 Aug	156.7471466	0.107974686	0.114216454	0.004599332	38.62335205	0.044907637	60.72706985	0.000961305	0.000961305	4.84857E-06	0.005729956	0.001180025	0.039939772	0.015180824	5.20121E-06	24.80825615	2.22919E-05	0.000199112	0.000259587	0.001482154
2095 Sep	156.8304749	0.107989118	0.114187285	0.004598825	38.63048553	0.04494879	60.77065659	0.000961803	0.000961803	4.85109E-06	0.00573429	0.001181023	0.039972451	0.015189171	5.20399E-06	24.82513618	2.23023E-05	0.000199257	0.000259675	0.001483042
2095 Oct	156.8440247	0.107991144	0.114154696	0.004597787	38.62742233	0.044958457	60.78206253	0.000961816	0.000961816	4.85117E-06	0.005735715	0.001181247	0.039980501	0.015190171	5.20413E-06	24.82865143	2.23058E-05	0.00019928	0.000259676	0.001483231
2095 Nov	156.6834869	0.107906133	0.113987833	0.004591633	38.58251953	0.044929959	60.71915436	0.000961054	0.000961054	4.84731E-06	0.005733382	0.001180442	0.039943002	0.015179399	5.1999E-06	24.80764771	2.22875E-05	0.000199137	0.000259411	0.001481974
2095 Dec	156.668808	0.107900709	0.113970928	0.004591033	38.57833099	0.044928402	60.71303177	0.000961005	0.000961005	4.84707E-06	0.005733394	0.001180394	0.039939597	0.015178799	5.19962E-06	24.80599403	2.22861E-05	0.000199129	0.000259388	0.001481877
2096 Jan	156.6712189	0.107902646	0.113972478	0.004591097	38.5789299	0.044929143	60.71384811	0.000961022	0.000961022	4.84715E-06	0.005733503	0.001180417	0.039940156	0.015179172	5.19971E-06	24.80645943	2.22865E-05	0.000199133	0.000259394	0.001481902
2096 Feb	156.677948	0.10790734	0.113977209	0.004591286	38.58058929	0.044931017	60.71634674	0.000961064	0.000961064	4.84736E-06	0.00573375	0.001180472	0.039941799	0.015179965	5.19993E-06	24.80760765	2.22875E-05	0.000199143	0.000259407	0.001481967
2096 Mar	156.6910706	0.107916415	0.113986656	0.004591666	38.58382034	0.044934753	60.7213707	0.000961145	0.000961145	4.84777E-06	0.00573423	0.001180573	0.039945103	0.015181313	5.20036E-06	24.80973053	2.22893E-05	0.00019916	0.00025943	0.001482091
2096 Apr	156.75383	0.107959658	0.114032261	0.004593503	38.59926987	0.044952732	60.74565887	0.000961529	0.000961529	4.84971E-06	0.005736527	0.001181047	0.039961077	0.015187436	5.20245E-06	24.81969261	2.22982E-05	0.00019924	0.000259535	0.001482685
2096 May	156.8380585	0.108013749	0.114049859	0.004594286	38.61727905	0.044971261	60.7598114	0.000962314	0.000962314	4.85364E-06	0.005741941	0.001182561	0.039972682	0.01522046	5.20643E-06	24.84799194	2.23167E-05	0.000199601	0.000260058	0.001483768
2096 Jun	155.5791321	0.106913581	0.112716347	0.004543172	38.25057983	0.044596754	60.22218704	0.000956401	0.000956401	4.82369E-06	0.005717272	0.001177833	0.039642774	0.015199099	5.17326E-06	24.71559906	2.22107E-05	0.000199287	0.000259451	0.001473263
2096 Jul	155.9951019	0.107097834	0.112906449	0.004551691	38.33183289	0.044719651	60.40089417	0.000958998	0.000958998	4.8368E-06	0.00573556	0.001181365	0.039763529	0.015236855	5.18743E-06	24.78330803	2.22835E-05	0.000199868	0.000260088	0.001477258
2096 Aug	156.6654663	0.10752932	0.113351151	0.004569874	38.48989868	0.044917218	60.6676712	0.000963049	0.000963049	4.85724E-06	0.005760232	0.001186559	0.03993988	0.015301259	5.20942E-06	24.89073181	2.23782E-05	0.000200727	0.000261178	0.001483624
2096 Sep	156.5664978	0.107432373	0.113148987	0.004562636	38.4462204	0.044910043	60.64680099	0.000962313	0.000962313	4.85354E-06	0.00575946	0.001186255	0.039929315	0.015291469	5.20561E-06	24.87979698	2.23673E-05	0.000200634	0.000260947	0.001482884
2096 Oct	156.0706787	0.10714867	0.112640776	0.004543703	38.30708313	0.044814054	60.45757294	0.000959746	0.000959746	4.84058E-06	0.005750346	0.001183548	0.039814394	0.015254107	5.19152E-06	24.81245232	2.23084E-05	0.000200147	0.000260104	0.001478858
2096 Nov	156.0169678	0.107134856	0.112575807	0.004541449	38.29169464	0.044810843	60.43418121	0.000959618	0.000959618	4.83992E-06	0.005750906	0.001183425	0.039801929	0.015252777	5.19072E-06	24.80699158	2.23039E-05	0.000200125	0.000260021	0.001478539
2096 Dec	156.0197754	0.107137196	0.112577669	0.004541528	38.29238892	0.044811811	60.43519974	0.000959638	0.000959638	4.84002E-06	0.005751044	0.00118345	0.039802641	0.015253116	5.19083E-06	24.80748177	2.23043E-05	0.00020013	0.000260026	0.001478569
2097 Jan	156.0203705	0.107137777	0.112577975	0.004541541	38.29253769	0.044812016	60.43535614	0.000959644	0.000959644	4.84005E-06	0.005751079	0.001183458	0.039802764	0.015253262	5.19086E-06	24.80762863	2.23044E-05	0.000200131	0.000260028	0.001478576
2097 Feb	156.0208435	0.107138149	0.112578213	0.00454155	38.29265594	0.044812117	60.4354744	0.000959647	0.000959647	4.84006E-06	0.005751097	0.001183464	0.039802834	0.015253395	5.19087E-06	24.80775452	2.23045E-05	0.000200133	0.00026003	0.001478581
2097 Mar	156.0325623	0.107146211	0.112586617	0.004541889	38.29553223	0.044815466	60.43997574	0.000959719	0.000959719	4.84043E-06	0.005751529	0.001183554	0.0398058	0.015254587	5.19126E-06	24.8096447	2.23062E-05	0.000200148	0.000260051	0.001478693
2097 Apr	156.1132813	0.107201658	0.112644836	0.004544237	38.31534576	0.044838637	60.47122574	0.000960215	0.000960215	4.84293E-06	0.005754505	0.001184167	0.039826378	0.015262507	5.19395E-06	24.82249641	2.23177E-05	0.000200252	0.000260186	0.001479458
2097 May	156.3008118	0.107321426	0.112735696	0.004547975	38.35779953	0.044886816	60.52936172	0.000961554	0.000961554	4.84966E-06	0.005763272	0.00118635	0.039866336	0.015302172	5.20099E-06	24.86540222	2.23501E-05	0.000200711	0.000260833	0.001481471
2097 Jun	155.99617	0.107006446	0.112263478	0.004529794	38.25416183	0.0447772	60.36600113	0.00096044	0.00096044	4.84397E-06	0.005761706	0.001187285	0.039767802	0.015354439	5.19426E-06	24.86966705	2.23395E-05	0.000201228	0.00026161	0.001479525
2097 Jul	156.6997986	0.107444644	0.112721235	0.004548694	38.41794586	0.044984881	60.64539719	0.000964845	0.000964845	4.86619E-06	0.005788933	0.001192887	0.039953228	0.015423442	5.21811E-06	24.98303413	2.24441E-05	0.00020215	0.000262768	0.001486289
2097 Aug	157.1677094	0.107714459	0.112994701	0.004560123	38.52184296	0.045126669	60.83906174	0.000967597	0.000967597	4.88008E-06	0.00580605	0.001196627	0.040080953	0.015467333	5.23314E-06	25.05862045	2.25096E-05	0.000202736	0.000263509	0.00149077
2097 Sep	157.4049225	0.107847229	0.113108441	0.004565012	38.57060242	0.045199666	60.94194412	0.000968876	0.000968876	4.88655E-06	0.005814922	0.001198518	0.040148888	0.015488354	5.24021E-06	25.09731674	2.25434E-05	0.000203034	0.000263865	0.001493019
2097 Oct	157.27565	0.107763879	0.112944752	0.004558991	38.52933121	0.045177668	60.89832306	0.000968114	0.000968114	4.88271E-06	0.005812912	0.001197862	0.040122654	0.015477541	5.23611E-06	25.08031273	2.25289E-05	0.000202903	0.000263624	0.001491989
2097 Nov	157.1785736	0.107703231	0.112840913	0.004555106	38.50114059	0.045158122	60.86306	0.000967562	0.000967562	4.87993E-06	0.005810896	0.001197307	0.040100951	0.01546941	5.23312E-06	25.06684494	2.25171E-05	0.0002028	0.000263451	0.001491181
2097 Dec	157.1583862	0.107689627	0.112820156	0.004554318	38.49533081	0.045153588	60.85586166	0.000967439	0.000967439	4.8793E-06	0.005810378	0.00119718	0.04009641	0.015467558	5.23246E-06	25.06392479	2.25146E-05	0.000202777	0.000263415	0.001491006
2098 Jan	157.1602325	0.107691176	0.112821251	0.004554364	38.49578476	0.045154165	60.85644531	0.000967452	0.000967452	4.87937E-06	0.005810468	0.0011972	0.040096816	0.015467886	5.23253E-06	25.06430817	2.25148E-05	0.000202781	0.00026342	0.001491026
2098 Feb	157.162384	0.107692733	0.112822637	0.004554419	38.496315	0.045154735	60.85717392	0.000967466	0.000967466	4.87944E-06	0.005810549	0.001197221	0.040097289	0.015468247	5.2326E-06	25.06473923	2.25152E-05	0.000202785	0.000263426	0.001491047
2098 Mar	157.1702271	0.107698143	0.112828165	0.004554641	38.49823761	0.045156956	60.86014175	0.000967514	0.000967514	4.87969E-06	0.005810839	0.001197283	0.040099248	0.015469098	5.23286E-06	25.06603622	2.25163E-05	0.000202796	0.000263441	0.001491122
2098 Apr	157.2161255	0.107729964	0.11285755	0.004555806	38.50935745	0.045169163	60.87642288	0.000967794	0.000967794	4.88109E-06	0.005812529	0.0011977	0.040109862	0.015475913	5.23436E-06	25.07475471	2.25228E-05	0.000202875	0.000263556	0.001491577
2098 May	157.1467896	0.107660107	0.112667114	0.004548245	38.48202133	0.045129117	60.80049133	0.000967923	0.000967923	4.88168E-06	0.005815462	0.001199663	0.040064484	0.015540591	5.23442E-06	25.10738182	2.25289E-05	0.000203506	0.00026457	0.001491691
2098 Jun	156.0829315	0.106728762	0.111470275	0.004501145	38.16848755	0.04478126	60.33430099	0.000961987	0.000961987	4.85166E-06	0.005788172	0.00119636	0.039766546	0.015557383	5.20159E-06	25.01804733	2.24226E-05	0.000203472	0.000264748	0.001482879
2098 Jul	156.8621521	0.107220963	0.111982569	0.004522215	38.35083389	0.045008123	60.64199066	0.000966849	0.000966849	4.87618E-06	0.005818401	0.001202528	0.039970823	0.015634406	5.2279E-06	25.14381981	2.25396E-05	0.000204507	0.000266049	0.001490336
2098 Aug	157.0836639	0.107286796	0.112021059	0.004524545	38.38530731	0.045088291	60.74911499	0.000968014	0.000968014	4.88209E-06	0.005826696	0.001204573	0.040043648	0.015653115	5.23444E-06	25.18193245	2.2568E-05	0.000204792	0.000266337	0.001492497
2098 Sep	156.6548004	0.106967844	0.111534365	0.004506378	38.25523376	0.045004528	60.60158157	0.000965458	0.000965458	4.8692E-06	0.005816219	0.001202116	0.039954182	0.015613718	5.2207E-06	25.1218338	2.25107E-05	0.000204323	0.000265525	0.001488816
2098 Oct	156.1811218	0.106691979	0.111060247	0.004488629	38.12335587	0.044909511	60.4223671	0.000962931	0.000962931	4.85644E-06	0.005806633	0.001199393	0.03984439	0.015575524	5.20688E-06	25.05574417	2.24532E-05	0.00020383	0.000264697	0.001484898
2098 Nov	156.0099487	0.106595203	0.110891029	0.004482305	38.07617569	0.044875681	60.35668945	0.000962045	0.000962045	4.85197E-06	0.005803306	0.001198423	0.039804328	0.015562131	5.20201E-06	25.0320034	2.24325E-05	0.000203656	0.0002644	0.001483493
2098 Dec	156.0167389	0.106600463	0.110895433	0.00448249	38.07781601	0.044877909	60.3592186	0.000962092	0.000962092	4.8522E-06	0.005803617	0.001198481	0.039806064	0.015562908	5.20226E-06	25.03316307	2.24336E-05	0.000203666	0.000264412	0.001483563
2099 Jan	156.0191498	0.106602311	0.110897005	0.004482555	38.07840729	0.044878643	60.36006546	0.000962109	0.000962109	4.85229E-06	0.005803721	0.001198503	0.039806645	0.01556325	5.20235E-06	25.03360939	2.24339E-05	0.00020367	0.000264417	0.001483587
2099 Feb	156.0221558	0.106604412	0.110899024	0.004482636	38.07914352	0.044879463	60.36114883	0.000962128	0.000962128	4.85238E-06	0.005803834	0.001198529	0.039807357	0.01556365	5.20245E-06	25.03415108	2.24344E-05	0.000203675	0.000264424	0.001483617
2099 Mar	156.0489502	0.106622748	0.110918008	0.004483403	38.08568573	0.044887155	60.37147903	0.000962293	0.000962293	4.85321E-06	0.005804831	0.001198737	0.039814163	0.015566378	5.20335E-06	25.03848457	2.24382E-05	0.00020371	0.000264471	0.001483872
2099 Apr	156.1641846	0.106701985	0.110993475	0.004486414	38.11355972	0.044918533	60.41345215	0.000962996	0.000962996	4.85676E-06	0.005809096	0.001199741	0.039841641	0.015581914	5.20713E-06	25.0594368	2.24547E-05	0.000203896	0.000264734	0.001485001
2099 May	155.7788239	0.106400058	0.110425591	0.004463131	37.99902725	0.044754468	60.16691208	0.000961161	0.000961161	4.84739E-06	0.005801511	0.001201743	0.039681744	0.015694	5.19616E-06	25.09014702	2.24198E-05	0.000204844	0.000266531	0.001482802
2099 Jun	155.4524231	0.106044032	0.109966137	0.004445259	37.88738632	0.044640128	60.03326797	0.00095912	0.00095912	4.83709E-06	0.005793754	0.001201114	0.03959601	0.015705002	5.18505E-06	25.06896591	2.23938E-05	0.000204928	0.000266712	0.001480114
2099 Jul	156.1240997	0.106452972	0.110388264	0.004462759	38.04137039	0.044838164	60.30158234	0.000963291	0.000963291	4.85813E-06	0.005819824	0.001206526	0.039773997	0.015771734	5.20766E-06	25.17815971	2.24943E-05	0.000205819	0.000267835	0.001486583
2099 Aug	156.738739	0.106813803	0.110740386	0.004477513	38.17752838	0.045025468	60.55423737	0.000966917	0.000966917	4.87644E-06	0.00584268	0.001211484	0.039942149	0.015831005	5.22744E-06	25.27888107	2.25803E-05	0.000206625	0.000268824	0.00149245
2099 Sep	156.5276184	0.106630854	0.110462308	0.004467276	38.10728836	0.044990465	60.48845291	0.000965599	0.000965599	4.8698E-06	0.00583757	0.001210372	0.039903894	0.015810147	5.22042E-06	25.25004005	2.25506E-05	0.000206397	0.000268386	0.0014964
2099 Oct	156.2467346	0.106460065	0.110164478	0.00445616	38.02618027	0.044935293	60.38632965	0.000964023	0.000964023	4.86185E-06	0.005831901	0.001208749	0.039841253	0.015786	5.21188E-06	25.21064377	2.25167E-05	0.000206093	0.000267872	0.00148831
2099 Nov	156.0606842	0.106347434	0.109983698	0.004449338	37.97480774	0.044895731	60.3167038	0.000962989	0.000962989	4.85663E-06	0.005827629	0.001207613	0.039798044	0.015769891	5.20624E-06	25.18388367	2.24934E-05	0.000205887	0.000267539	0.001486731
2099 Dec	156.067627	0.106352724	0.109988369	0.004449533	37.97650146	0.044897944	60.31928253	0.000963036	0.000963036	4.85687E-06	0.005827935	0.001207672	0.039799802	0.015770677	5.2065E-06	25.18505859	2.24945E-05	0.000205897	0.000267552	0.0014868
2100 Jan	156.0682983	0.10635338	0.109988712	0.004449548	37.97666931	0.044898175	60.31946564	0.000963042	0.000963042	4.8569E-06	0.005827975	0.001207681	0.039799936	0.015770843	5.20653E-06	25.18522644	2.24946E-05	0.000205898	0.000267554	0.001486809
2100 Feb	156.0694427	0.106354207	0.109989397	0.004449575	37.9769516	0.044898465	60.31982803	0.000963049	0.000963049	4.85694E-06	0.005828018	0.001207692	0.039800175	0.015771056	5.20657E-06	25.18546677	2.24947E-05	0.000205901	0.000267558	0.00148682
2100 Mar	156.075119	0.106358103	0.109993346	0.004449734	37.97833252	0.044900078	60.32198334	0.000963084	0.000963084	4.85711E-06	0.00582823	0.001207738	0.039801598	0.015771683	5.20676E-06	25.18641663	2.24956E-05	0.000205909	0.000267568	0.001486875
2100 Apr	156.1647644	0.106419213	0.11005649	0.004452288	38.00014877	0.044925857	60.35660934	0.000963638	0.000963638	4.8599E-06	0.005831579	0.001208432	0.039824441	0.015780773	5.20975E-06	25.20089912	2.25085E-05	0.000206027	0.000267722	0.001487729
2100 May	156.1530304	0.106397934	0.109933548	0.00444751	37.98977661	0.044906944	60.30522156	0.000964219	0.000964219	4.86277E-06	0.005836942	0.001210595	0.0397962	0.015843468	5.21224E-06	25.23753548	2.25232E-05	0.000206663	0.000268694	0.00148834
2100 Jun	155.1525269	0.105530553	0.108846955	0.00440488	37.69887924	0.044585183	59.86986542	0.000958802	0.000958802	4.83537E-06	0.005811874	0.001207141	0.039519615	0.015848031	5.18221E-06	25.14582825	2.24248E-05	0.000206536	0.000268663	0.001479972
2100 Jul	155.3480682	0.105559394	0.108873315	0.004406695	37.72507095	0.044642974	59.96722412	0.000959866	0.000959866	4.84076E-06	0.005820847	0.001208899	0.039585013	0.015862383	5.18819E-06	25.17777634	2.2463E-05	0.000206804	0.000268921	0.001481826
2100 Aug	155.354248	0.105466537	0.108742595	0.004402372	37.70457077	0.044666864	59.99285889	0.000959763	0.000959763	4.84026E-06	0.00582151	0.001209412	0.039605089	0.015859907	5.18786E-06	25.18202972	2.24598E-05	0.00020681	0.000268831	0.001481999
2100 Sep	155.3569336	0.105428346	0.1086547	0.004399528	37.69195175	0.044686373	60.00517273	0.000959785	0.000959785	4.84038E-06	0.005823052	0.001209805	0.039617483	0.015860192	5.18805E-06	25.1860218	2.24587E-05	0.00020685	0.000268776	0.001482134
2100 Oct	155.3761139	0.105436318	0.108626053	0.004398665	37.69034958	0.044698395	60.01859665	0.000959845	0.000959845	4.84069E-06	0.005824809	0.001210079	0.039627016	0.015861781	5.18844E-06	25.19046593	2.24631E-05	0.000206881	0.000268784	0.001482385
2100 Nov	155.3983307	0.105451614	0.108633488	0.004399031	37.69460678	0.044706408	60.02804184	0.000959982	0.000959982	4.84138E-06	0.005825926	0.001210285	0.039633494	0.015864156	5.18919E-06	25.19441795	2.24668E-05	0.000206914	0.000268818	0.001482617
2100 Dec	155.4103546	0.105460107	0.108641721	0.004399368	37.69752121	0.044710007	60.03263092	0.000960059	0.000960059	4.84177E-06	0.005826407	0.001210382	0.03963656	0.015865436	5.1896E-06	25.1964035	2.24685E-05	0.00020693	0.000268839	0.001482734
2101 Jan	155.4131012	0.105462141	0.108643547	0.004399443	37.69818878	0.04471083	60.03363419	0.000960078	0.000960078	4.84186E-06	0.005826521	0.001210406	0.039637234	0.015865793	5.1897E-06	25.1968956	2.24689E-05	0.000206935	0.000268845	0.001482762
2101 Feb	155.4141998	0.105462909	0.108644217	0.004399469	37.69845963	0.044711113	60.03399658	0.000960085	0.000960085	4.8419E-06	0.005826563	0.001210417	0.039637472	0.01586598	5.18974E-06	25.19711685	2.24691E-05	0.000206937	0.000268848	0.001482773
2101 Mar	155.4187317	0.105466016	0.108647346	0.004399596	37.69956207	0.044712406	60.03572083	0.000960113	0.000960113	4.84204E-06	0.005826733	0.001210453	0.039638609	0.015866486	5.18989E-06	25.19787598	2.24698E-05	0.000206943	0.000268857	0.001482816
2101 Apr	155.4718475	0.105502009	0.108684257	0.004401089	37.71242523	0.044727631	60.05619431	0.00096044	0.00096044	4.84369E-06	0.005828722	0.00121087	0.039652117	0.015872	5.19166E-06	25.20654678	2.24774E-05	0.000207015	0.00026895	0.001483324
2101 May	155.4424438	0.105467863	0.108553387	0.004395971	37.69783783	0.044704013	60.00110626	0.000960853	0.000960853	4.84571E-06	0.005832983	0.001212765	0.039620902	0.0159293	5.19328E-06	25.23823357	2.24885E-05	0.00020759	0.000269839	0.00148372

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2101 Jun	154.9106598	0.104973249	0.107911073	0.004370852	37.53484726	0.044525832	59.7640419	0.000957998	0.000957998	4.83126E-06	0.005821048	0.001211567	0.039470918	0.015947841	5.1774E-06	25.20040321	2.24424E-05	0.000207701	0.000270091	0.001479427
2101 Jul	155.6323853	0.105427034	0.108376339	0.00438997	37.70251465	0.044734117	60.04952621	0.000962434	0.000962434	4.85364E-06	0.005848885	0.001217306	0.039660078	0.016020423	5.20144E-06	25.31797791	2.25508E-05	0.000208675	0.000271322	0.001486323
2101 Aug	156.297348	0.105840832	0.108794667	0.004407137	37.8556366	0.044928107	60.31665421	0.000966371	0.000966371	4.87351E-06	0.005873367	0.001222547	0.039836045	0.016085925	5.22286E-06	25.42617035	2.26458E-05	0.000209545	0.000272439	0.001492648
2101 Sep	156.1971436	0.105738781	0.108604982	0.004400405	37.81387711	0.044923529	60.29287338	0.000965734	0.000965734	4.87031E-06	0.005872239	0.001222239	0.039825074	0.016075777	5.21953E-06	25.41456795	2.26321E-05	0.000209453	0.000272189	0.00149188
2101 Oct	156.1344299	0.105701186	0.108503222	0.004396778	37.7907753	0.04491822	60.27430725	0.00096537	0.00096537	4.86848E-06	0.005872154	0.001222007	0.039814848	0.016070498	5.21759E-06	25.40711594	2.26262E-05	0.000209395	0.000272052	0.00149144
2101 Nov	155.8772583	0.105551988	0.10825827	0.004387554	37.7207489	0.044864804	60.17695236	0.000963979	0.000963979	4.86146E-06	0.005866455	0.001220437	0.039754707	0.016048279	5.20999E-06	25.36998749	2.25941E-05	0.000209109	0.000271587	0.001489273
2101 Dec	155.8525085	0.10554456	0.10823372	0.004386684	37.71430588	0.044862021	60.16608047	0.000963907	0.000963907	4.86109E-06	0.005866434	0.001220342	0.039748617	0.016047189	5.20955E-06	25.36701584	2.25916E-05	0.000209093	0.000271547	0.001489105
2102 Jan	155.8529358	0.105545118	0.108233817	0.00438669	37.71441269	0.044862192	60.16612244	0.000963912	0.000963912	4.86111E-06	0.005866469	0.00122035	0.039748665	0.016047368	5.20958E-06	25.36716652	2.25916E-05	0.000209095	0.000271549	0.001489111
2102 Feb	155.8552704	0.105546772	0.108235292	0.004386748	37.71498489	0.044862811	60.16691971	0.000963926	0.000963926	4.86118E-06	0.005866558	0.001220372	0.039749186	0.016047746	5.20966E-06	25.3676281	2.2592E-05	0.000209099	0.000271555	0.001489135
2102 Mar	155.8630371	0.10555207	0.108240604	0.004386963	37.71686554	0.044865016	60.16986465	0.000963974	0.000963974	4.86143E-06	0.005866852	0.001220435	0.039751127	0.016048621	5.20992E-06	25.36893654	2.25931E-05	0.00020911	0.00027157	0.001489209
2102 Apr	155.9033203	0.105579384	0.108268544	0.004388094	37.72661972	0.044876602	60.18538666	0.000964224	0.000964224	4.86268E-06	0.005868369	0.001220752	0.039761383	0.016052812	5.21126E-06	25.37552071	2.25989E-05	0.000209164	0.000271641	0.001489595
2102 May	156.0982971	0.105710939	0.108403303	0.004393557	37.77368927	0.044932645	60.26074982	0.000965426	0.000965426	4.86875E-06	0.005875697	0.00122228	0.039811149	0.016072912	5.21776E-06	25.40728951	2.26272E-05	0.000209426	0.000271982	0.001491457
2102 Jun	155.1252289	0.104837231	0.107488416	0.004360075	37.49399948	0.044681944	59.87881851	0.00096181	0.00096181	4.8504E-06	0.005863067	0.001216988	0.039590769	0.015989661	5.1972E-06	25.26298141	2.25655E-05	0.000208684	0.000270306	0.00148295
2102 Jul	155.0207825	0.104614466	0.107251048	0.004352442	37.4378891	0.044668175	59.84918594	0.000962109	0.000962109	4.85188E-06	0.005869993	0.001217312	0.039585099	0.01598254	5.19852E-06	25.25187874	2.25878E-05	0.00020877	0.000270074	0.001482313
2102 Aug	155.4465027	0.104848474	0.107472271	0.00436192	37.52859497	0.044801619	60.02702713	0.000964631	0.000964631	4.86461E-06	0.005886127	0.001220866	0.039704066	0.016024072	5.21229E-06	25.32265663	2.26474E-05	0.000209336	0.000270756	0.001486421
2102 Sep	155.5485687	0.104890004	0.107467592	0.00436229	37.54190826	0.044844456	60.07717514	0.0009652	0.0009652	4.86749E-06	0.005891204	0.001221921	0.039739635	0.016033806	5.21547E-06	25.34175682	2.26622E-05	0.000209491	0.000270882	0.001487482
2102 Oct	155.0932159	0.104594469	0.107025556	0.004345443	37.41470337	0.044741202	59.9136467	0.000962424	0.000962424	4.8535E-06	0.005878938	0.00121891	0.039635904	0.015989471	5.20052E-06	25.27363014	2.26028E-05	0.000208933	0.000270029	0.001483478
2102 Nov	155.1143341	0.104612492	0.107033953	0.004345859	37.41916656	0.044749662	59.92165375	0.000962586	0.000962586	4.85432E-06	0.00588021	0.001219128	0.039641719	0.01599226	5.20139E-06	25.27762794	2.26065E-05	0.000208969	0.000270065	0.001483715
2102 Dec	155.1215973	0.10461776	0.107038826	0.004346061	37.42092133	0.044751901	59.92438889	0.000962635	0.000962635	4.85456E-06	0.005880516	0.001219189	0.039643571	0.015993064	5.20164E-06	25.27884674	2.26076E-05	0.000208979	0.000270078	0.001483787
2103 Jan	155.1233826	0.104619108	0.107039943	0.004346107	37.42135239	0.044752441	59.92501068	0.000962647	0.000962647	4.85462E-06	0.005880594	0.001219206	0.039643995	0.015993325	5.20171E-06	25.27918243	2.26078E-05	0.000208983	0.000270082	0.001483805
2103 Feb	155.1283112	0.104622476	0.107043266	0.004346241	37.42254639	0.044753838	59.92686081	0.000962678	0.000962678	4.85478E-06	0.005880782	0.001219247	0.039645217	0.01599391	5.20187E-06	25.28003311	2.26085E-05	0.00020899	0.000270092	0.001483853
2103 Mar	155.1391907	0.104629844	0.107050732	0.004346544	37.42517471	0.04475696	59.93103409	0.000962745	0.000962745	4.85512E-06	0.005881195	0.001219333	0.039647974	0.015995074	5.20224E-06	25.28182983	2.26101E-05	0.000209005	0.000270111	0.001483957
2103 Apr	155.1952057	0.104667634	0.107089356	0.004348112	37.43868637	0.044773109	59.95265579	0.000963093	0.000963093	4.85687E-06	0.005883318	0.001219774	0.039662279	0.016000872	5.20412E-06	25.29097176	2.26183E-05	0.000209081	0.000270209	0.001484493
2103 May	155.2367554	0.104689755	0.107033461	0.004345988	37.44384003	0.044773053	59.93052292	0.000963892	0.000963892	4.86085E-06	0.005889502	0.001221872	0.039652284	0.016055757	5.2079E-06	25.32804298	2.26371E-05	0.000209651	0.000271065	0.001485466
2103 Jun	154.2928314	0.1038858	0.106010377	0.004305769	37.17227173	0.044465736	59.5053978	0.000958997	0.000958997	4.83606E-06	0.005866983	0.00121903	0.039383136	0.016073851	5.18054E-06	25.24890327	2.25469E-05	0.000209663	0.000271247	0.001477723
2103 Jul	154.5768738	0.103971846	0.106094271	0.004310089	37.21992111	0.044556312	59.63480759	0.000960778	0.000960778	4.84506E-06	0.005879898	0.001221678	0.039470728	0.016099833	5.1903E-06	25.29657173	2.25971E-05	0.000210057	0.000271671	0.001480555
2103 Aug	154.6496887	0.103913054	0.106016897	0.0043083	37.21715546	0.044613577	59.67978287	0.000961584	0.000961584	4.84912E-06	0.005884818	0.001223186	0.039504416	0.016110171	5.19464E-06	25.31359673	2.26045E-05	0.000210147	0.000271734	0.001481743
2103 Sep	154.5299225	0.103820205	0.1058181	0.004301156	37.17160416	0.044601936	59.64784241	0.000960797	0.000960797	4.84516E-06	0.005883565	0.001222678	0.039486863	0.016098015	5.19049E-06	25.29851532	2.25906E-05	0.000210018	0.000271453	0.001480825
2103 Oct	154.0311584	0.103537656	0.105338834	0.004283152	37.03543091	0.04450085	59.45966339	0.000958099	0.000958099	4.83154E-06	0.005872784	0.001219638	0.03937085	0.016054589	5.17576E-06	25.22651672	2.25282E-05	0.00020946	0.000270538	0.001476643
2103 Nov	153.9083099	0.103474014	0.10521856	0.004278686	37.00195313	0.044478245	59.4121933	0.000957487	0.000957487	4.82845E-06	0.005870625	0.001218943	0.039342161	0.016044796	5.17238E-06	25.2093544	2.25134E-05	0.000209332	0.000270315	0.001475651
2103 Dec	153.9125061	0.103477307	0.105221182	0.004278798	37.00296021	0.044479653	59.41373444	0.000957517	0.000957517	4.8286E-06	0.005870827	0.001218981	0.039343234	0.016045306	5.17254E-06	25.21008873	2.2514E-05	0.000209339	0.000270323	0.001475694
2104 Jan	153.9131165	0.103477895	0.105221458	0.00427881	37.00310516	0.044479862	59.41388321	0.000957522	0.000957522	4.82862E-06	0.005870863	0.001218989	0.039343346	0.016045462	5.17257E-06	25.21024323	2.25141E-05	0.000209341	0.000270325	0.001475701
2104 Feb	153.914917	0.103479169	0.105222598	0.004278855	37.00354385	0.04448035	59.41450882	0.000957534	0.000957534	4.82868E-06	0.005870933	0.001219006	0.039343759	0.016045747	5.17263E-06	25.21059608	2.25144E-05	0.000209344	0.00027033	0.00147572
2104 Mar	153.9264069	0.103486918	0.105230391	0.004279172	37.00630188	0.044483643	59.41890335	0.000957605	0.000957605	4.82904E-06	0.005871372	0.001219098	0.039346665	0.016046997	5.17302E-06	25.21250725	2.25161E-05	0.00020936	0.000270351	0.00147583
2104 Apr	154.0142212	0.103545971	0.105290398	0.004281612	37.02742004	0.044509012	59.45277786	0.000958151	0.000958151	4.8318E-06	0.005874721	0.001219795	0.039369099	0.016056182	5.17597E-06	25.22690964	2.25289E-05	0.00020948	0.000270505	0.001476672
2104 May	153.9823761	0.103509448	0.105138645	0.004275659	37.01135254	0.044481128	59.38682938	0.000958681	0.000958681	4.83439E-06	0.005879965	0.001222108	0.039331757	0.016126053	5.17809E-06	25.26580429	2.25427E-05	0.000210181	0.00027159	0.001477185
2104 Jun	153.2011871	0.102816835	0.104282089	0.004241847	36.78196716	0.044223055	59.05414963	0.000954132	0.000954132	4.8114E-06	0.005858368	0.001219212	0.039117407	0.016126158	5.15311E-06	25.19275856	2.24624E-05	0.000210036	0.000271553	0.001470523
2104 Jul	153.6751556	0.103064157	0.104530446	0.004252545	36.88183594	0.044365499	59.25078201	0.000957066	0.000957066	4.82621E-06	0.005877683	0.001223233	0.03924863	0.016173225	5.16907E-06	25.2712841	2.2537E-05	0.000210684	0.000272339	0.001475138
2104 Aug	154.0212555	0.103231899	0.104681864	0.004259297	36.95082855	0.044478003	59.40032196	0.000959088	0.000959088	4.83643E-06	0.005890872	0.001226235	0.039348848	0.01620665	5.18016E-06	25.32958031	2.2585E-05	0.000211142	0.00027288	0.001478516
2104 Sep	153.8464203	0.103077985	0.104444236	0.004250606	36.89155579	0.044452518	59.34784698	0.000957991	0.000957991	4.8309E-06	0.005886662	0.001225315	0.039319079	0.016188117	5.17434E-06	25.30537224	2.25593E-05	0.000210943	0.000272487	0.001477018
2104 Oct	153.5040436	0.102886647	0.104104795	0.004237924	36.79666138	0.044386074	59.22001648	0.000956143	0.000956143	4.82157E-06	0.00587972	0.001223264	0.039240733	0.016158085	5.16425E-06	25.25621414	2.2517E-05	0.00021056	0.000271845	0.001474177
2104 Nov	153.4252625	0.10284929	0.104024462	0.00423498	36.77493668	0.044373304	59.18932724	0.000955775	0.000955775	4.81972E-06	0.005878671	0.001222851	0.039222561	0.016152183	5.16221E-06	25.24553299	2.25078E-05	0.000210483	0.000271701	0.001473565
2104 Dec	153.430954	0.102853484	0.104028173	0.004235135	36.77630234	0.044375099	59.19144821	0.000955814	0.000955814	4.81991E-06	0.00587892	0.001222899	0.039224006	0.016152838	5.16242E-06	25.24650383	2.25087E-05	0.000210491	0.000271711	0.001473622
2105 Jan	153.4311676	0.102853782	0.104028203	0.004235137	36.77635574	0.044375185	59.19146347	0.000955817	0.000955817	4.81993E-06	0.005878939	0.001222904	0.039224025	0.016152939	5.16243E-06	25.24658394	2.25088E-05	0.000210492	0.000271712	0.001473626
2105 Feb	153.4332428	0.102855228	0.104029529	0.004235191	36.77685928	0.044375759	59.19220734	0.00095583	0.00095583	4.81999E-06	0.00587902	0.001222923	0.03922452	0.016153237	5.1625E-06	25.24697685	2.25091E-05	0.000210496	0.000271717	0.001473646
2105 Mar	153.4372711	0.102857947	0.104032218	0.004235299	36.7778244	0.044376906	59.19372559	0.000955855	0.000955855	4.82012E-06	0.005879174	0.001222956	0.039225522	0.016153704	5.16264E-06	25.2476635	2.25097E-05	0.000210501	0.000271725	0.001473685
2105 Apr	153.4852905	0.102890156	0.104064748	0.004236624	36.78933716	0.044390786	59.2122345	0.000956154	0.000956154	4.82163E-06	0.005881014	0.00122334	0.039237786	0.016158786	5.16426E-06	25.25557899	2.25167E-05	0.000210568	0.00027181	0.001474147
2105 May	153.4622345	0.102854222	0.103939489	0.004231703	36.77550125	0.04436839	59.16467285	0.000956492	0.000956492	4.82328E-06	0.00588479	0.001225115	0.039210565	0.016212014	5.16556E-06	25.2857151	2.25273E-05	0.000211104	0.000272646	0.001474531
2105 Jun	153.3030243	0.102663353	0.103638351	0.004219992	36.71506119	0.044300843	59.07163239	0.00095587	0.00095587	4.82009E-06	0.005884548	0.001226207	0.039153643	0.016256912	5.16178E-06	25.29939651	2.25258E-05	0.000211554	0.000273357	0.001473648
2105 Jul	153.7980194	0.102926224	0.103901587	0.004231243	36.82046509	0.044451315	59.27758408	0.000958866	0.000958866	4.83522E-06	0.005903766	0.001230389	0.039289825	0.016306221	5.17811E-06	25.3814373	2.25995E-05	0.000212206	0.000274182	0.001478486
2105 Aug	153.6944733	0.102735907	0.103673317	0.004223192	36.76960754	0.044450033	59.26576233	0.000958111	0.000958111	4.83144E-06	0.005900315	0.001230157	0.039285239	0.016291335	5.17428E-06	25.36777687	2.2579E-05	0.000212041	0.000273868	0.001477683
2105 Sep	153.2746735	0.102429286	0.103226051	0.004206514	36.6468277	0.04437134	59.11880875	0.000955708	0.000955708	4.81932E-06	0.005889399	0.001227637	0.039197203	0.016250249	5.16131E-06	25.30672836	2.2519E-05	0.000211557	0.000273019	0.001474033
2105 Oct	152.9146576	0.102219529	0.102874875	0.004193303	36.54722595	0.044297654	58.9862709	0.000953678	0.000953678	4.80908E-06	0.005881243	0.001225374	0.039114989	0.016216815	5.15029E-06	25.25382614	2.24735E-05	0.000211133	0.000272333	0.001470978
2105 Nov	152.7738342	0.102144383	0.102741756	0.004188322	36.50930405	0.04427018	58.93230057	0.000952947	0.000952947	4.80538E-06	0.005878411	0.001224526	0.039081972	0.016204767	5.14628E-06	25.23353767	2.2456E-05	0.000210978	0.000272072	0.001469812
2105 Dec	152.7759247	0.10214632	0.10274297	0.004188378	36.5098114	0.044270992	58.9330101	0.000952965	0.000952965	4.80547E-06	0.005878536	0.001224548	0.039082497	0.016205071	5.14637E-06	25.2339344	2.24564E-05	0.000210981	0.000272076	0.001469835
2106 Jan	152.7762756	0.102146745	0.102743059	0.004188382	36.50990295	0.044271123	58.93305969	0.000952969	0.000952969	4.80549E-06	0.005878563	0.001224554	0.03908255	0.016205203	5.14639E-06	25.23404884	2.24564E-05	0.000210983	0.000272078	0.00146984
2106 Feb	152.7770538	0.102147333	0.102743506	0.0041884	36.51009369	0.04427132	58.9332962	0.000952974	0.000952974	4.80552E-06	0.005878594	0.001224563	0.039082702	0.016205383	5.14641E-06	25.23423767	2.24565E-05	0.000210985	0.000272081	0.001469849
2106 Mar	152.7827148	0.102151133	0.102747239	0.004188551	36.51144409	0.044272937	58.93542862	0.000953009	0.000953009	4.8057E-06	0.005878811	0.00122461	0.039084114	0.016206035	5.1466E-06	25.23520088	2.24574E-05	0.000210993	0.000272092	0.001469904
2106 Apr	152.8456879	0.102193251	0.102789566	0.004190276	36.52649689	0.044291172	58.95970154	0.000953402	0.000953402	4.80768E-06	0.005881235	0.001225116	0.039100211	0.016212745	5.14873E-06	25.24562073	2.24666E-05	0.00021108	0.000272205	0.00147051
2106 May	152.9976959	0.102292627	0.102858007	0.004193124	36.56093216	0.044330139	59.00276184	0.000954568	0.000954568	4.81353E-06	0.005888929	0.001227051	0.039130639	0.016249441	5.15481E-06	25.28302574	2.24941E-05	0.000211499	0.000272795	0.001472204
2106 Jun	152.1091156	0.101530381	0.101930261	0.004157085	36.30708694	0.044050455	58.60785675	0.000950337	0.000950337	4.7921E-06	0.005870241	0.00122402	0.038885206	0.016250763	5.13099E-06	25.1981945	2.24174E-05	0.000211409	0.000272671	0.001464841
2106 Jul	152.5450287	0.101715028	0.102111302	0.004165515	36.39016724	0.044185746	58.79302597	0.000953231	0.000953231	4.80669E-06	0.005890506	0.001228006	0.03901187	0.01629463	5.14668E-06	25.27193451	2.24948E-05	0.000212055	0.000273379	0.001469174
2106 Aug	152.5542908	0.101604663	0.10196846	0.004161023	36.36821747	0.044221368	58.82064438	0.000953365	0.000953365	4.80739E-06	0.005892061	0.001228814	0.039034128	0.016294099	5.14754E-06	25.27760696	2.24912E-05	0.000212053	0.000273283	0.001469569
2106 Sep	152.2551422	0.101369791	0.101619504	0.004148223	36.27659225	0.044175308	58.71860123	0.000951731	0.000951731	4.79915E-06	0.005884854	0.001227199	0.038975962	0.016265266	5.13871E-06	25.23565292	2.24464E-05	0.00021173	0.00027265	0.001467018
2106 Oct	152.1717529	0.101330668	0.101508148	0.004144247	36.24981689	0.044166919	58.68965912	0.000951321	0.000951321	4.79707E-06	0.005884563	0.001226845	0.038959667	0.016258767	5.13646E-06	25.22517395	2.24379E-05	0.000211652	0.000272476	0.001466424
2106 Nov	152.2065277	0.10135448	0.101530403	0.004145168	36.25800705	0.044177398	58.70303726	0.000951544	0.000951544	4.7982E-06	0.005885985	0.001227133	0.038968638	0.016262582	5.13766E-06	25.2310257	2.24431E-05	0.000211702	0.000272538	0.001466765
2106 Dec	152.2110138	0.101357743	0.101533286	0.004145289	36.25907898	0.044178806	58.70471954	0.000951574	0.000951574	4.79835E-06	0.005886181	0.001227172	0.038969781	0.016263103	5.13783E-06	25.23179626	2.24438E-05	0.000211708	0.000272547	0.00146681
2107 Jan	152.2118225	0.101358399	0.101533756	0.004145308	36.25926971	0.044179063	58.70497894	0.00095158	0.00095158	4.79838E-06	0.00588622	0.00122718	0.038969964	0.016263245	5.13786E-06	25.2319622	2.2444E-05	0.00021171	0.000272549	0.001466819
2107 Feb	152.2156677	0.101360992	0.101536267	0.00414541	36.26019669	0.044180159	58.70642471	0.000951604	0.000951604	4.7985E-06	0.005886369	0.001227213	0.038970921	0.016263712	5.13799E-06	25.2326355	2.24445E-05	0.000211716	0.000272557	0.001466857
2107 Mar	152.2290497	0.101369925	0.101545162	0.004145773	36.26338196	0.044184029	58.7115593	0.000951688	0.000951688	4.79892E-06	0.005886887	0.001227322	0.03897433	0.016265173	5.13844E-06	25.23487091	2.24465E-05	0.000211735	0.000272581	0.001466986
2107 Apr	152.2603607	0.101390772	0.101566024	0.004146625	36.27083969	0.044193108	58.72362137	0.000951884	0.000951884	4.79991E-06	0.005888098	0.001227575	0.038982335	0.016268535	5.1395E-06	25.24007034	2.24511E-05	0.000211778	0.000272637	0.001467288
2107 May	152.2447968	0.10136316	0.101489432	0.004143601	36.26136017	0.044178918	58.69835663	0.000951991	0.000951991	4.80043E-06	0.005889798	0.001228504	0.038967472	0.016296765	5.13983E-06	25.25597954	2.24563E-05	0.000212062	0.000273087	0.00146745
2107 Jun	151.9489136	0.101071745	0.101063862	0.004126988	36.16553497	0.044068187	58.53936386	0.000950796	0.000950796	4.79433E-06	0.005886728	0.00122915	0.038869575	0.016344147	5.13273E-06	25.25724411	2.24422E-05	0.000212512	0.00027381	0.001465461
2107 Jul	152.2946167	0.101217799	0.101206996	0.00413357	36.23192978	0.044179458	58.68946457	0.00095295	0.00095295	4.80521E-06	0.00590101	0.00123229	0.038969751	0.016378392	5.14449E-06	25.31554604	2.24958E-05	0.000212971	0.000274366	0.001468934
2107 Aug	152.7746582	0.10149157	0.101472683	0.004144839	36.33700562	0.044327568	58.8850441	0.000955896	0.000955896	4.82007E-06	0.0059196	0.001236364	0.039099954	0.01642818	5.1605E-06	25.39609146	2.2565E-05	0.000213622	0.000275185	0.001473635
2107 Sep	152.911911	0.101570405	0.101490587	0.004146129	36.3587265	0.044379964	58.94875717	0.000956664	0.000956664	4.82395E-06	0.005926567	0.001237688	0.03914379	0.016441803	5.16475E-06	25.42102051	2.25871E-05	0.000213821	0.000275376	0.001475067
2107 Oct	152.7265625	0.101461217	0.101294592	0.004138817	36.30510712	0.04434453	58.88339615	0.00095558	0.00095558	4.81849E-06	0.005922674	0.001236543	0.039103467	0.016423792	5.15891E-06	25.39391518	2.25641E-05	0.000213598	0.000275004	0.001473512
2107 Nov	152.6453552	0.101418018	0.10121496	0.004135851	36.28279877	0.044329263	58.85288239	0.000955151	0.000955151	4.81632E-06	0.005921104	0.001236055	0.039084855	0.016416611	5.15656E-06	25.38219643	2.25541E-05	0.000213506	0.000274849	0.001472842
2107 Dec	152.6493835	0.101421081	0.101217501	0.004135958	36.28376389	0.044330582	58.8543663	0.000955179	0.000955179	4.81647E-06	0.005921292	0.001236091	0.03908588	0.016417101	5.15671E-06	25.38290405	2.25547E-05	0.000213513	0.000274856	0.001472884
2108 Jan	152.6510773	0.101422362	0.101218499	0.004136	36.28416824	0.044331096	58.85494614	0.000955191	0.000955191	4.81653E-06	0.005921368	0.001236108	0.039086279	0.01641736	5.15677E-06	25.3832283	2.25549E-05	0.000213516	0.00027486	0.001472901
2108 Feb	152.6525269	0.101423375	0.101219401	0.004136036	36.2845192	0.044331495	58.85545349	0.0009552	0.0009552	4.81657E-06	0.005921425	0.001236122	0.039086606	0.016417596	5.15682E-06	25.38351822	2.25552E-05	0.000213518	0.000274864	0.001472916
2108 Mar	152.6676788	0.101433456	0.101229385	0.004136444	36.28812027	0.044335868	58.86125565	0.000955295	0.000955295	4.81705E-06	0.005922013	0.001236246	0.039090466	0.016419267	5.15733E-06	25.38606071	2.25574E-05	0.00021354	0.000274892	0.001473063
2108 Apr	152.7881165	0.101513349	0.101308808	0.004139687	36.3167038	0.044370748	58.90763855	0.000956047	0.000956047	4.82084E-06	0.005926676	0.001237226	0.039121244	0.016432375	5.16139E-06	25.40619087	2.25752E-05	0.00021371	0.000275112	0.001474226

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2108 May	153.0413055	0.101679556	0.10146828	0.004146194	36.37617111	0.044442635	59.00312805	0.000957631	0.000957631	4.82883E-06	0.005936596	0.001239397	0.039184615	0.016463324	5.16993E-06	25.45062256	2.2613E-05	0.0002141	0.00027563	0.001476701
2108 Jun	152.5940094	0.10125193	0.100971214	0.004127952	36.24061584	0.044316579	58.80163574	0.00095642	0.00095642	4.82263E-06	0.005935065	0.001238313	0.039070569	0.016461395	5.16252E-06	25.40637398	2.25989E-05	0.000214155	0.000275425	0.001473198
2108 Jul	153.2166595	0.101606138	0.101321809	0.004142922	36.37667465	0.044501215	59.04945755	0.000960495	0.000960495	4.84318E-06	0.005962049	0.001243654	0.03923852	0.016527478	5.18451E-06	25.51104736	2.27019E-05	0.000215076	0.000276511	0.001479278
2108 Aug	153.9264069	0.10204301	0.101748176	0.004160631	36.53777313	0.044712309	59.33231735	0.000964824	0.000964824	4.86502E-06	0.005989385	0.001249491	0.039426647	0.016601639	5.20799E-06	25.62950134	2.28054E-05	0.000216056	0.000277748	0.001486127
2108 Sep	154.0402222	0.102089703	0.10175477	0.004161343	36.55372238	0.044753667	59.38924408	0.000965349	0.000965349	4.86768E-06	0.005994292	0.001250526	0.039464999	0.016610922	5.21099E-06	25.64942551	2.28222E-05	0.000216205	0.000277891	0.001487249
2108 Oct	153.5086517	0.101776488	0.10126514	0.004142731	36.4102478	0.044638	59.19308472	0.000962269	0.000962269	4.85215E-06	0.00598072	0.001246976	0.039341647	0.016559016	5.19431E-06	25.56892204	2.27526E-05	0.000215546	0.000276866	0.001482625
2108 Nov	153.4537811	0.101753876	0.101206511	0.004140615	36.39489746	0.044630658	59.17162323	0.000962032	0.000962032	4.85095E-06	0.005980266	0.001246711	0.039329231	0.016555088	5.19298E-06	25.56168365	2.27466E-05	0.000215494	0.000276762	0.001482219
2108 Dec	153.4594574	0.101758018	0.101210117	0.004140767	36.39625168	0.044632457	59.1737442	0.000962071	0.000962071	4.85114E-06	0.005980519	0.00124676	0.039330684	0.016555758	5.19319E-06	25.56266403	2.27474E-05	0.000215503	0.000276773	0.001482276
2109 Jan	153.4604797	0.10175886	0.101210684	0.00414079	36.396492	0.044632781	59.17406845	0.000962079	0.000962079	4.85118E-06	0.005980569	0.001246771	0.039330911	0.016555944	5.19323E-06	25.56288147	2.27476E-05	0.000215505	0.000276776	0.001482287
2109 Feb	153.4634399	0.101760872	0.101212561	0.004140866	36.39720154	0.044633612	59.17515182	0.000962097	0.000962097	4.85127E-06	0.005980685	0.001246798	0.03933163	0.016556343	5.19333E-06	25.56342316	2.2748E-05	0.00021551	0.000276782	0.001482316
2109 Mar	153.4800262	0.101771899	0.101223454	0.004141312	36.40113831	0.044638418	59.18151474	0.000962202	0.000962202	4.8518E-06	0.005981332	0.001246934	0.039335858	0.016558176	5.19389E-06	25.56620979	2.27505E-05	0.000215533	0.000276813	0.001482477
2109 Apr	153.5614929	0.101825923	0.101277128	0.004143507	36.42045593	0.044662096	59.21290588	0.000962712	0.000962712	4.85437E-06	0.005984507	0.001247597	0.039356716	0.016567005	5.19665E-06	25.57980537	2.27626E-05	0.000215648	0.00027696	0.001483264
2109 May	153.5782013	0.101813272	0.101190694	0.004140121	36.41624451	0.044652283	59.18930054	0.000963143	0.000963143	4.8565E-06	0.005988671	0.001249336	0.039344013	0.016614484	5.19859E-06	25.61071587	2.27764E-05	0.000216138	0.00027772	0.001483903
2109 Jun	153.539444	0.10171476	0.100968324	0.004131585	36.38663483	0.04461693	59.12969589	0.000963481	0.000963481	4.85814E-06	0.005994278	0.001251803	0.039310753	0.016685067	5.1998E-06	25.65134048	2.27953E-05	0.000216881	0.000278839	0.001484329
2109 Jul	153.8458405	0.101821341	0.101070829	0.004136639	36.44120026	0.044719666	59.26723099	0.000965396	0.000965396	4.86782E-06	0.006007124	0.001254704	0.039402619	0.016714994	5.21029E-06	25.70345879	2.28428E-05	0.000217279	0.000279317	0.001487464
2109 Aug	154.1684418	0.101962216	0.101202585	0.004142901	36.50444794	0.044835817	59.40369415	0.000967615	0.000967615	4.87901E-06	0.006020814	0.001257894	0.039495111	0.01675076	5.22227E-06	25.75993347	2.28883E-05	0.000217712	0.000279851	0.001490888
2109 Sep	154.0638428	0.10186895	0.101020649	0.004136323	36.4626503	0.044824854	59.38064575	0.000966807	0.000966807	4.87495E-06	0.00601902	0.001257358	0.039482221	0.016737191	5.21809E-06	25.74551582	2.28748E-05	0.000217572	0.00027957	0.001490026
2109 Oct	153.4479218	0.101519987	0.100461259	0.004115114	36.29828644	0.04469372	59.15005493	0.000963346	0.000963346	4.85749E-06	0.006003946	0.001253291	0.039338097	0.016678251	5.19927E-06	25.65261269	2.27947E-05	0.00021682	0.000278385	0.001484717
2109 Nov	153.4365387	0.101522289	0.100441016	0.00411446	36.294384	0.04469594	59.14505768	0.000963353	0.000963353	4.85751E-06	0.006004599	0.001253315	0.039336018	0.016678425	5.19927E-06	25.65194511	2.27944E-05	0.000216821	0.000278363	0.001484688
2109 Dec	153.4437866	0.101527415	0.100445628	0.004114653	36.29610062	0.044698175	59.14778519	0.000963401	0.000963401	4.85776E-06	0.00600491	0.001253378	0.039337866	0.016679261	5.19953E-06	25.65318489	2.27955E-05	0.000216832	0.000278376	0.00148476
2110 Jan	153.4468079	0.101529561	0.100447513	0.004114731	36.29681778	0.04469908	59.14889145	0.000963421	0.000963421	4.85786E-06	0.006005039	0.001253405	0.039338611	0.016679659	5.19964E-06	25.65373421	2.27959E-05	0.000216837	0.000278383	0.00148479
2110 Feb	153.4508362	0.101532266	0.100450084	0.004114835	36.29777527	0.044700224	59.15038681	0.000963447	0.000963447	4.85799E-06	0.006005197	0.00125344	0.039339606	0.016680168	5.19977E-06	25.65444756	2.27965E-05	0.000216844	0.000278391	0.00148483
2110 Mar	153.4625244	0.101540036	0.100457706	0.004115147	36.30054474	0.044703621	59.15487289	0.00096352	0.00096352	4.85836E-06	0.006005655	0.001253536	0.039342586	0.016681479	5.20017E-06	25.65642738	2.27983E-05	0.00021686	0.000278413	0.001484943
2110 Apr	153.511673	0.101572558	0.100489847	0.004116463	36.31217194	0.044717927	59.17379379	0.000963829	0.000963829	4.85991E-06	0.006007578	0.001253938	0.03935517	0.016686844	5.20183E-06	25.66465569	2.28056E-05	0.00021693	0.000278503	0.001485419
2110 May	153.6167603	0.101638108	0.100531459	0.004118212	36.33518219	0.044744283	59.20350266	0.000964625	0.000964625	4.86392E-06	0.00601294	0.001255318	0.039376132	0.01671325	5.20599E-06	25.69127846	2.28249E-05	0.000217231	0.000278929	0.001486599
2110 Jun	152.7882843	0.100943074	0.099665023	0.004084126	36.10157776	0.044471961	58.82276535	0.000960558	0.000960558	4.8433E-06	0.005994137	0.001252821	0.039136507	0.016730407	5.18306E-06	25.62119865	2.27495E-05	0.000217269	0.000279102	0.001479807
2110 Jul	153.1616974	0.101105317	0.099822037	0.004091379	36.17348862	0.044588912	58.98121262	0.000963002	0.000963002	4.85564E-06	0.006010992	0.001256242	0.039244227	0.016768614	5.19633E-06	25.68470192	2.28134E-05	0.000217813	0.000279718	0.001483536
2110 Aug	152.5626068	0.100538328	0.099204876	0.004068538	35.99700546	0.044481192	58.77944946	0.00095802	0.00095802	4.8395E-06	0.00599128	0.00125284	0.039120127	0.016706059	5.17904E-06	25.59323883	2.27159E-05	0.00021698	0.000278464	0.001478449
2110 Sep	152.0059204	0.10017179	0.098657154	0.004047918	35.84101868	0.044369124	58.58093262	0.000956559	0.000956559	4.82314E-06	0.005976514	0.001249217	0.038998116	0.016649257	5.16153E-06	25.50921631	2.26382E-05	0.00021629	0.000277329	0.001473568
2110 Oct	151.4306335	0.09987627	0.098139204	0.00402846	35.68990707	0.044255011	58.35906601	0.000953566	0.000953566	4.80802E-06	0.005964301	0.001245592	0.038861703	0.016597759	5.14509E-06	25.42421722	2.25653E-05	0.000215624	0.000276235	0.00146875
2110 Nov	151.2925873	0.099798664	0.098013483	0.004023696	35.65301514	0.044225808	58.30757523	0.00095278	0.00095278	4.80409E-06	0.005960937	0.001244676	0.038829524	0.016584391	5.14086E-06	25.40332794	2.25473E-05	0.000215453	0.000275967	0.00146756
2110 Dec	151.2975922	0.099802516	0.09801653	0.004023827	35.65419769	0.044227485	58.30939865	0.000952823	0.000952823	4.80427E-06	0.00596118	0.001244722	0.038830794	0.01658502	5.14105E-06	25.40421867	2.25481E-05	0.000215461	0.000275976	0.001467612
2111 Jan	151.2987976	0.0998035	0.098017186	0.004023854	35.65448761	0.044227865	58.30978394	0.000952832	0.000952832	4.80432E-06	0.00596124	0.001244735	0.038831063	0.016585244	5.1411E-06	25.40447617	2.25483E-05	0.000215464	0.000275979	0.001467625
2111 Feb	151.2997742	0.0998042	0.098017722	0.004023876	35.65472412	0.044228114	58.3100853	0.000952838	0.000952838	4.80435E-06	0.005961279	0.001244746	0.038831264	0.016585443	5.14113E-06	25.4046936	2.25485E-05	0.000215466	0.000275983	0.001467636
2111 Mar	151.3225708	0.099819273	0.098032445	0.00402448	35.66009903	0.04423476	58.31883621	0.000952982	0.000952982	4.80508E-06	0.005962178	0.001244935	0.03883709	0.016587993	5.14191E-06	25.40855217	2.25519E-05	0.000215499	0.000276025	0.001467857
2111 Apr	151.4113617	0.099877849	0.098089933	0.004026839	35.68101883	0.044260703	58.35302734	0.000953541	0.000953541	4.80789E-06	0.005965675	0.001245666	0.038859855	0.016597755	5.14492E-06	25.42347717	2.25651E-05	0.000215626	0.000276187	0.001468719
2111 May	151.5170135	0.099940382	0.098102607	0.00402745	35.70233536	0.044282574	58.37049484	0.000954505	0.000954505	4.81272E-06	0.005972499	0.001247639	0.038874097	0.01664117	5.14981E-06	25.46038246	2.25887E-05	0.000216099	0.00027688	0.001470089
2111 Jun	150.9989929	0.099495314	0.097490072	0.004003218	35.55169678	0.044097606	58.1043663	0.000952208	0.000952208	4.80104E-06	0.005963158	0.001247413	0.038707398	0.016692083	5.13648E-06	25.4408741	2.25494E-05	0.000216521	0.000277638	0.001466238
2111 Jul	151.6771851	0.099901088	0.097886108	0.004019887	35.70339203	0.044299126	58.37220383	0.000956543	0.000956543	4.8229E-06	0.005991184	0.001253186	0.038887162	0.01676571	5.15989E-06	25.55553055	2.26555E-05	0.000217505	0.000278852	0.001472871
2111 Aug	151.4809418	0.09964563	0.097594544	0.00400949	35.63081741	0.044281445	58.32262802	0.000955439	0.000955439	4.81735E-06	0.005984943	0.001252397	0.038859539	0.016742243	5.15407E-06	25.5271244	2.26199E-05	0.000217213	0.000278352	0.001471309
2111 Sep	151.3943787	0.09955778	0.097439654	0.004004141	35.59693909	0.044285081	58.29822922	0.000955078	0.000955078	4.81552E-06	0.005984176	0.001252222	0.038850415	0.016734399	5.1521E-06	25.51750755	2.26049E-05	0.000217152	0.000278116	0.001470674
2111 Oct	150.9805756	0.099312603	0.097060457	0.003989692	35.48509979	0.044194032	58.14790344	0.00095261	0.00095261	4.80308E-06	0.005973183	0.001249361	0.038755301	0.016691677	5.13878E-06	25.4535408	2.255E-05	0.000216615	0.00027729	0.001467032
2111 Nov	150.714859	0.099172704	0.096828029	0.003980902	35.41598892	0.044138949	58.04580307	0.000951191	0.000951191	4.79591E-06	0.005967037	0.001247622	0.038691964	0.016666969	5.13101E-06	25.41353607	2.25157E-05	0.000216296	0.000276781	0.001464768
2111 Dec	150.7167664	0.099175908	0.09682823	0.003980932	35.41640854	0.044140313	58.0462265	0.000951219	0.000951219	4.79605E-06	0.005967283	0.001247656	0.038692456	0.016667461	5.13116E-06	25.41404533	2.25162E-05	0.000216302	0.000276785	0.001464799
2112 Jan	150.7178497	0.099176854	0.096828796	0.003980956	35.41667557	0.04414067	58.04655075	0.000951228	0.000951228	4.7961E-06	0.005967341	0.001247669	0.038692687	0.016667688	5.1312E-06	25.4142952	2.25164E-05	0.000216304	0.000276789	0.001464811
2112 Feb	150.7214661	0.099179298	0.096831009	0.003981046	35.41752625	0.044141684	58.04785538	0.000951251	0.000951251	4.79621E-06	0.005967485	0.001247702	0.038693558	0.0166682	5.13132E-06	25.4149704	2.25169E-05	0.000216311	0.000276797	0.001464847
2112 Mar	150.7481537	0.099196889	0.096848093	0.003981748	35.42380142	0.044149477	58.05809021	0.000951419	0.000951419	4.79706E-06	0.005968541	0.001247924	0.038700376	0.016671211	5.13223E-06	25.41950417	2.25209E-05	0.000216349	0.000276847	0.001465107
2112 Apr	150.8246002	0.099247217	0.096897185	0.003983766	35.44177246	0.044171855	58.08751297	0.000951902	0.000951902	4.7995E-06	0.005971569	0.001248558	0.038719986	0.0166797	5.13484E-06	25.43241692	2.25323E-05	0.000216459	0.000276988	0.001465851
2112 May	150.8473663	0.099254146	0.096830204	0.003981145	35.44229889	0.044164978	58.05987549	0.000952523	0.000952523	4.80257E-06	0.005976602	0.001250433	0.03870571	0.016731031	5.1377E-06	25.46550179	2.25477E-05	0.000216987	0.000277795	0.001466605
2112 Jun	149.5647888	0.098200008	0.095590904	0.003931783	35.08939362	0.043744348	57.50862885	0.000945253	0.000945253	4.76583E-06	0.005939171	0.001244587	0.038349833	0.016709125	5.09766E-06	25.32773972	2.24084E-05	0.0002165	0.000277373	0.001455397
2112 Jul	149.7634125	0.098224983	0.0956112	0.003933684	35.11532211	0.043809373	57.60184479	0.000946691	0.000946691	4.77309E-06	0.005950786	0.001246665	0.038416144	0.016727673	5.10547E-06	25.36222458	2.24533E-05	0.000216833	0.000277656	0.001457427
2112 Aug	150.2509613	0.098498866	0.095861815	0.003944414	35.21935272	0.043960102	57.80221176	0.000949618	0.000949618	4.78786E-06	0.005969834	0.001250832	0.038550489	0.016778672	5.12141E-06	25.44522476	2.25238E-05	0.00021752	0.000278493	0.001462164
2112 Sep	150.2826385	0.098488748	0.095805123	0.003942706	35.2150383	0.043983988	57.82650757	0.000949738	0.000949738	4.78848E-06	0.005972102	0.001251322	0.038569212	0.016780226	5.12218E-06	25.45253181	2.25274E-05	0.000217574	0.000278478	0.00146254
2112 Oct	150.1820984	0.09842629	0.095685087	0.00393826	35.18362045	0.043966353	57.79475021	0.000949082	0.000949082	4.78518E-06	0.005970039	0.001250683	0.038549546	0.016768873	5.11869E-06	25.43748856	2.2515E-05	0.000217439	0.00027825	0.001461692
2112 Nov	150.1854706	0.098431736	0.09567868	0.003938091	35.18338013	0.043969989	57.79647446	0.000949124	0.000949124	4.78539E-06	0.005970663	0.001250762	0.038551193	0.016769635	5.11891E-06	25.43858337	2.25161E-05	0.00021745	0.000278252	0.00146176
2112 Dec	150.1926422	0.098436773	0.095683143	0.003938278	35.18506622	0.043972217	57.79917908	0.000949172	0.000949172	4.78563E-06	0.005970975	0.001250825	0.038553029	0.016770484	5.11917E-06	25.43983078	2.25172E-05	0.000217461	0.000278265	0.001461832
2113 Jan	150.1932831	0.098437339	0.095683463	0.003938292	35.18522263	0.043972433	57.79936981	0.000949177	0.000949177	4.78566E-06	0.00597101	0.001250832	0.038553167	0.016770622	5.1192E-06	25.43997765	2.25173E-05	0.000217462	0.000278267	0.001461839
2113 Feb	150.1965179	0.098439485	0.09568546	0.003938373	35.18598175	0.043973349	57.80055618	0.000949198	0.000949198	4.78576E-06	0.005971138	0.001250861	0.038553961	0.016771048	5.11931E-06	25.4405632	2.25178E-05	0.000217468	0.000278275	0.001461871
2113 Mar	150.2369385	0.098466001	0.095711172	0.003939431	35.19544983	0.043985169	57.81608582	0.000949453	0.000949453	4.78705E-06	0.005972745	0.001251199	0.038564313	0.016775597	5.12068E-06	25.44742966	2.25238E-05	0.000217527	0.00027835	0.001462265
2113 Apr	150.3120575	0.09851525	0.095759012	0.0039414	35.21305084	0.044007152	57.84497833	0.000949928	0.000949928	4.78944E-06	0.005975732	0.001251825	0.038583588	0.016784007	5.12324E-06	25.46016693	2.25351E-05	0.000217635	0.00027849	0.001462996
2113 May	150.3938599	0.098559007	0.09574718	0.003941015	35.22786713	0.04402053	57.85104752	0.000950757	0.000950757	4.79359E-06	0.00598185	0.001253731	0.038590379	0.016828533	5.12738E-06	25.49540329	2.2556E-05	0.000218113	0.0002792	0.001464171
2113 Jun	149.9277344	0.098139629	0.095196001	0.003919162	35.08949661	0.043853037	57.62663651	0.000948372	0.000948372	4.7815E-06	0.005971548	0.001253055	0.038447708	0.016860677	5.11391E-06	25.47048378	2.25174E-05	0.000218357	0.000279693	0.001460505
2113 Jul	150.4129028	0.098391093	0.095437594	0.003929757	35.19086838	0.044005312	57.82556534	0.000951497	0.000951497	4.79726E-06	0.005991852	0.001257417	0.038581267	0.016913198	5.13083E-06	25.55357742	2.25925E-05	0.000219046	0.000280542	0.001465368
2113 Aug	150.7995911	0.098584391	0.095614314	0.00393758	35.26942444	0.044129584	57.98887634	0.00095384	0.00095384	4.80909E-06	0.00600705	0.001260857	0.038690429	0.016953418	5.14362E-06	25.61977768	2.2648E-05	0.000219574	0.000281192	0.001469208
2113 Sep	150.6918488	0.098485842	0.095436223	0.003931138	35.22768021	0.044118352	57.96455383	0.000953027	0.000953027	4.80501E-06	0.006004796	0.001260263	0.038677033	0.01693861	5.1394E-06	25.60420799	2.26325E-05	0.000219423	0.00028089	0.001468291
2113 Oct	150.0441284	0.098120801	0.094869904	0.003909542	35.05736923	0.043976907	57.72372818	0.000949298	0.000949298	4.7862E-06	0.005987824	0.001255758	0.038525235	0.016872441	5.11918E-06	25.50349045	2.25463E-05	0.000218584	0.000279597	0.00146261
2113 Nov	149.9111023	0.098070353	0.094748475	0.003905113	35.02320862	0.043956529	57.66930771	0.000948746	0.000948746	4.7834E-06	0.005986242	0.001255034	0.038493227	0.01686245	5.11605E-06	25.4849453	2.25307E-05	0.00021845	0.000279345	0.001461589
2113 Dec	149.9184418	0.098075733	0.094752908	0.003905302	35.02492905	0.043958899	57.67201996	0.000948797	0.000948797	4.78365E-06	0.005986582	0.001255101	0.038495097	0.016863357	5.11633E-06	25.4862442	2.25318E-05	0.000218661	0.000279359	0.001461664
2114 Jan	149.9201965	0.098077081	0.094753899	0.003905344	35.02534866	0.043959446	57.67261505	0.00094881	0.00094881	4.78372E-06	0.005986665	0.001255119	0.038495511	0.016863648	5.11639E-06	25.48659706	2.25321E-05	0.000218665	0.000279363	0.001461683
2114 Feb	149.9215546	0.09807802	0.094754666	0.003905374	35.0256691	0.043959808	57.67306137	0.000948818	0.000948818	4.78376E-06	0.005986719	0.001255133	0.038495809	0.01686389	5.11644E-06	25.48688126	2.25323E-05	0.000218668	0.000279367	0.001461697
2114 Mar	149.9426575	0.098091848	0.09476795	0.003905921	35.03059769	0.043965973	57.6811409	0.000948952	0.000948952	4.78443E-06	0.005987561	0.001255311	0.038501199	0.016866313	5.11716E-06	25.49049759	2.25355E-05	0.000218499	0.000279407	0.001461903
2114 Apr	149.9960632	0.098126799	0.094801679	0.003907311	35.04307556	0.043981623	57.70166779	0.00094929	0.00094929	4.78614E-06	0.005989695	0.001255759	0.038514897	0.01687235	5.11898E-06	25.49959373	2.25435E-05	0.000218577	0.000279507	0.001462424
2114 May	149.9023285	0.098042347	0.094642669	0.003900911	35.01319122	0.043937687	57.63253403	0.000949052	0.000949052	4.78489E-06	0.005989641	0.001256681	0.038471967	0.016910978	5.11728E-06	25.51375961	2.25414E-05	0.000218941	0.000280119	0.001462017
2114 Jun	149.9098969	0.097965881	0.09445782	0.003893888	34.99384689	0.043915655	57.59874725	0.000949547	0.000949547	4.78734E-06	0.005996185	0.001259227	0.038454764	0.016977884	5.11946E-06	25.55713844	2.2566E-05	0.000219666	0.000281197	0.001462772
2114 Jul	150.6258545	0.098381869	0.094857395	0.003910786	35.15114212	0.044129819	57.88516235	0.000954027	0.000954027	4.80994E-06	0.006025203	0.001265379	0.038645986	0.017055936	5.14372E-06	25.67902184	2.26758E-05	0.000220695	0.000282489	0.001469796
2114 Aug	151.3431396	0.098820858	0.095273688	0.003928221	35.31242371	0.044345427	58.16841507	0.000958504	0.000958504	4.83251E-06	0.006053751	0.001271495	0.038835313	0.01713529	5.16794E-06	25.80153084	2.27823E-05	0.00022173	0.000283795	0.001476818
2114 Sep	151.1617432	0.098675653	0.095033318	0.003919435	35.25175476	0.044319957	58.11577225	0.000957319	0.000957319	4.82655E-06	0.006049454	0.001270419	0.038804956	0.017113214	5.16168E-06	25.77464867	2.27558E-05	0.00022149	0.000283341	0.001475251
2114 Oct	150.8208313	0.098481297	0.094710074	0.003907228	35.15825272	0.044249754	57.99359894	0.000955302	0.000955302	4.81638E-06	0.006041071	0.001268089	0.038728345	0.017077204	5.1508E-06	25.72192383	2.27111E-05	0.000221042	0.000282631	0.001472293
2114 Nov	150.4843597	0.098302633	0.094422884	0.003896318	35.07142258	0.044178475	57.86545181	0.00095346	0.00095346	4.80709E-06	0.006032786	0.001265796	0.0386483	0.017044105	5.14075E-06	25.67004204	2.26668E-05	0.000220617	0.000281966	0.001469383
2114 Dec	150.4767609	0.098300137	0.094415486	0.003896052	35.06942368	0.044177525	57.86232758	0.000953431	0.000953431	4.80694E-06	0.006032737	0.001265758	0.038646504	0.017043574	5.14058E-06	25.6690197	2.26659E-05	0.00022061	0.000281951	0.001469328
2115 Jan	150.4789581	0.098301828	0.09441673	0.003896105	35.0699501	0.044178214	57.86307907	0.000953447	0.000953447	4.80702E-06	0.006032841	0.001265781	0.038647022	0.017043937	5.14067E-06	25.66946411	2.26663E-05	0.000220615	0.000281957	0.001469352
2115 Feb	150.4820862	0.098303936	0.094418585	0.00389618	35.07068253	0.044179082	57.86419296	0.000953467	0.000953467	4.80712E-06	0.006032966	0.00126581	0.038647767	0.017044405	5.14077E-06	25.67006302	2.26668E-05	0.00022062	0.000281965	0.001469383
2115 Mar	150.4930878	0.098311163	0.094425432	0.003896462	35.07324982	0.044182289	57.86837769	0.000953536	0.000953536	4.80747E-06	0.006033408	0.001265904	0.038650557	0.017045712	5.14115E-06	25.67197609	2.26684E-05	0.000220637	0.000281986	0.001469491

Appendix D.2-22: PUMP02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2115 Apr	150.5665131	0.098359145	0.094471477	0.003898362	35.09036636	0.044203833	57.89658356	0.000954002	0.000954002	4.80982E-06	0.006036351	0.001266523	0.038669396	0.017054062	5.14366E-06	25.68452263	2.26795E-05	0.000220745	0.000282124	0.001470208
2115 May	150.5158997	0.09830036	0.094339155	0.003893055	35.0701828	0.044172239	57.84558868	0.000954	0.000954	4.80977E-06	0.006037804	0.001267762	0.038638256	0.017096262	5.14326E-06	25.70535088	2.26835E-05	0.000221159	0.0002828	0.001470201
2115 Jun	150.8132019	0.098457716	0.094411671	0.003896328	35.12875366	0.04424274	57.92855835	0.000956256	0.000956256	4.82109E-06	0.006053925	0.001272029	0.03869744	0.01717913	5.15501E-06	25.7865715	2.27428E-05	0.000222109	0.000284144	0.001473616
2115 Jul	151.4472961	0.098808184	0.094746009	0.003910631	35.26481628	0.044436809	58.18701553	0.000960173	0.000960173	4.84086E-06	0.006079148	0.001277558	0.038869176	0.017247647	5.17628E-06	25.89477539	2.28375E-05	0.000222995	0.000285273	0.00147989
2115 Aug	151.2382965	0.098545939	0.094456002	0.003900066	35.18978119	0.044407852	58.13635635	0.000958767	0.000958767	4.8338E-06	0.006071173	0.001276386	0.038838871	0.017218381	5.16895E-06	25.86166382	2.27991E-05	0.000222647	0.000284714	0.00147805
2115 Sep	151.243515	0.098511294	0.094372436	0.003897453	35.17842102	0.044431854	58.14915085	0.000958862	0.000958862	4.83428E-06	0.006072898	0.001276809	0.038852662	0.017218359	5.16951E-06	25.86577415	2.2797E-05	0.000222688	0.00028464	0.001478216
2115 Oct	151.2010651	0.098486826	0.09430141	0.003894922	35.16228485	0.044428926	58.13848495	0.000958575	0.000958575	4.83284E-06	0.006072742	0.001276604	0.038846735	0.01721327	5.16801E-06	25.86001396	2.27926E-05	0.000222633	0.000284524	0.001477905
2115 Nov	151.0273895	0.098404132	0.094148248	0.003889196	35.1173172	0.044396035	58.07107162	0.000957698	0.000957698	4.82841E-06	0.006069268	0.001275498	0.038805544	0.017197302	5.16317E-06	25.83402252	2.27707E-05	0.000222427	0.00028418	0.001476463
2115 Dec	151.0243225	0.098404825	0.094143458	0.003889042	35.11635208	0.044396531	58.06967926	0.0009577	0.0009577	4.82842E-06	0.006069422	0.001275501	0.038804933	0.017197307	5.16317E-06	25.83379555	2.27705E-05	0.000222427	0.000284174	0.001476453
2116 Jan	151.0264893	0.098406501	0.094144657	0.003889092	35.11686707	0.044397209	58.07040787	0.000957715	0.000957715	4.82849E-06	0.006069527	0.001275524	0.038805436	0.017197678	5.16325E-06	25.83423996	2.27709E-05	0.000222431	0.000284179	0.001476476
2116 Feb	151.032608	0.098410569	0.094148353	0.003889244	35.11829758	0.04439896	58.07266235	0.000957754	0.000957754	4.82869E-06	0.006069773	0.001275579	0.038806941	0.017198501	5.16346E-06	25.83536148	2.27718E-05	0.000222441	0.000284193	0.001476537
2116 Mar	151.0444946	0.098418348	0.094155692	0.003889546	35.12105942	0.044402424	58.07717514	0.00095783	0.00095783	4.82907E-06	0.006070251	0.001275681	0.038809955	0.017199922	5.16387E-06	25.83743095	2.27736E-05	0.000222459	0.000284216	0.001476654
2116 Apr	151.1130981	0.098463073	0.094198428	0.003891311	35.1370163	0.044422578	58.10352707	0.000958265	0.000958265	4.83126E-06	0.006073008	0.001276262	0.038827561	0.017207773	5.16622E-06	25.84918976	2.27839E-05	0.000222561	0.000284346	0.001477325
2116 May	151.1387634	0.098478086	0.094152637	0.003889521	35.14013672	0.04441908	58.08138657	0.000958865	0.000958865	4.83424E-06	0.006077596	0.00127789	0.038816519	0.017251924	5.16901E-06	25.87802887	2.27978E-05	0.000223015	0.000285037	0.001478031
2116 Jun	150.15065	0.097660728	0.0931843	0.003850767	34.86783981	0.044085462	57.64806366	0.000953249	0.000953249	4.80586E-06	0.006048662	0.001273715	0.038535871	0.017247202	5.13802E-06	25.77900314	2.2692E-05	0.000222755	0.00028493	0.00146946
2116 Jul	150.8092499	0.098028935	0.093533672	0.003865758	35.00891876	0.044280365	57.9118309	0.0009577462	0.0009577462	4.8271E-06	0.006076965	0.001279462	0.038713984	0.017319484	5.1608E-06	25.89187241	2.28E-05	0.000223749	0.000286122	0.001475911
2116 Aug	151.3876038	0.09837091	0.09384758	0.003879054	35.13557434	0.044456489	58.14358139	0.000961019	0.000961019	4.84505E-06	0.006100015	0.001284444	0.038869508	0.017383121	5.18009E-06	25.99138069	2.28854E-05	0.000224592	0.000287165	0.001481563
2116 Sep	151.0780945	0.098152056	0.093510136	0.003866396	35.04254532	0.044396143	58.04523468	0.000958963	0.000958963	4.8347E-06	0.006091318	0.001282283	0.038808182	0.017345177	5.16918E-06	25.94245529	2.28414E-05	0.000224149	0.000286442	0.001478785
2116 Oct	150.6201935	0.097934484	0.093102999	0.003851193	34.92339706	0.044310447	57.86882401	0.000956632	0.000956632	4.82292E-06	0.006082198	0.001279352	0.038700417	0.017302219	5.15636E-06	25.87359428	2.27834E-05	0.000223598	0.00028552	0.001474981
2116 Nov	150.6034088	0.097941153	0.093078442	0.003850424	34.91855621	0.044313751	57.86036682	0.000956667	0.000956667	4.82309E-06	0.006083192	0.001279383	0.038696747	0.017302649	5.15647E-06	25.87251091	2.27828E-05	0.000223601	0.000285489	0.001474941
2116 Dec	150.6051483	0.09794268	0.093079373	0.003850467	34.91896439	0.044314411	57.8609581	0.000956681	0.000956681	4.82316E-06	0.006083293	0.001279401	0.038697183	0.017302904	5.15655E-06	25.8728447	2.27831E-05	0.000223604	0.000285492	0.001474961
2117 Jan	150.6056366	0.097943172	0.093079589	0.003850476	34.91908264	0.044314582	57.86108398	0.000956686	0.000956686	4.82318E-06	0.006083325	0.001279408	0.03869728	0.01730304	5.15657E-06	25.87297821	2.27832E-05	0.000223605	0.000285494	0.001474967
2117 Feb	150.606308	0.097943649	0.093079925	0.003850489	34.91924286	0.044314746	57.86127472	0.00095669	0.00095669	4.8232E-06	0.006083352	0.001279415	0.038697407	0.017303195	5.15659E-06	25.87313843	2.27833E-05	0.000223607	0.000285497	0.001474974
2117 Mar	150.6211853	0.097953364	0.093089089	0.003850868	34.92269516	0.044319112	57.86696625	0.000956785	0.000956785	4.82368E-06	0.006083953	0.001279543	0.038701206	0.017304949	5.1571E-06	25.87572098	2.27856E-05	0.00022363	0.000285526	0.00147512
2117 Apr	150.7098999	0.098011069	0.093143895	0.003853135	34.94326782	0.044345204	57.90102386	0.000957348	0.000957348	4.82652E-06	0.006087536	0.001280298	0.03872399	0.017315168	5.16014E-06	25.89097595	2.2799E-05	0.000223761	0.000285694	0.001475989
2117 May	150.8101807	0.098061748	0.093142338	0.003853167	34.96154404	0.044363745	57.91779327	0.000958217	0.000958217	4.83087E-06	0.006093957	0.001282257	0.038737286	0.017358748	5.16455E-06	25.92777634	2.2822E-05	0.000224236	0.000286398	0.001477299
2117 Jun	150.7719421	0.097969308	0.092949972	0.003845749	34.93489075	0.044329617	57.86463165	0.00095847	0.00095847	4.83209E-06	0.006098523	0.001284316	0.038707271	0.017418692	5.1654E-06	25.96165276	2.28384E-05	0.00022487	0.000287356	0.001477595
2117 Jul	151.4069977	0.098332256	0.093292788	0.003860392	35.0729866	0.044523466	58.11858368	0.000962506	0.000962506	4.85245E-06	0.006124616	0.001289915	0.03887729	0.017489819	5.18723E-06	26.07111168	2.29355E-05	0.000225794	0.000288518	0.001483903
2117 Aug	151.7769165	0.098515555	0.093453407	0.003867554	35.14694977	0.044642221	58.27564621	0.00096471	0.00096471	4.86358E-06	0.006139181	0.001293214	0.038982596	0.01752845	5.19927E-06	26.13494873	2.29885E-05	0.00022631	0.000289143	0.001487556
2117 Sep	151.9172211	0.098583117	0.093477808	0.00386901	35.16944122	0.044691887	58.34183121	0.00096543	0.00096543	4.86722E-06	0.006145352	0.001294492	0.039027333	0.017541297	5.20331E-06	26.15964699	2.30097E-05	0.000226503	0.00028934	0.001488952
2117 Oct	151.7083588	0.098474279	0.093274072	0.003861417	35.11182022	0.044653304	58.26651001	0.000964256	0.000964256	4.8613E-06	0.006141011	0.001293123	0.038980998	0.017519651	5.19694E-06	26.12779045	2.29831E-05	0.000226234	0.000288892	0.001487195
2117 Nov	151.6496277	0.098443769	0.093215883	0.003859252	35.0954895	0.044642664	58.24544144	0.000963926	0.000963926	4.85964E-06	0.006139824	0.001292742	0.038968068	0.01751356	5.19516E-06	26.11886597	2.29757E-05	0.000226158	0.000288766	0.001486703
2117 Dec	151.6517792	0.098445676	0.093215801	0.003859265	35.09581375	0.044643726	58.24635696	0.000963942	0.000963942	4.85972E-06	0.006139989	0.001292768	0.038968757	0.017513856	5.19524E-06	26.11931229	2.29761E-05	0.000226163	0.000288769	0.001486729
2118 Jan	151.6532898	0.098446906	0.093216591	0.003859299	35.09617615	0.04464421	58.24683762	0.000963954	0.000963954	4.85978E-06	0.006140065	0.001292785	0.0389691	0.017514141	5.1953E-06	26.11964035	2.29764E-05	0.000226166	0.000288773	0.001486746
2118 Feb	151.6555786	0.098448455	0.093217894	0.003859351	35.09671021	0.04464484	58.24763107	0.000963968	0.000963968	4.85985E-06	0.006140159	0.001292807	0.038969621	0.017514519	5.19538E-06	26.12010002	2.29767E-05	0.00022617	0.000288779	0.00148677
2118 Mar	151.6632385	0.09845347	0.093222551	0.003859543	35.09848785	0.044647068	58.25052261	0.000964017	0.000964017	4.8601E-06	0.006140469	0.001292875	0.038971562	0.017515467	5.19564E-06	26.12145615	2.29779E-05	0.000226182	0.000288795	0.001486845
2118 Apr	151.7201996	0.098491572	0.093252771	0.003860754	35.1116333	0.044662077	58.26984406	0.000964372	0.000964372	4.86188E-06	0.006142722	0.001293465	0.03898428	0.017525775	5.19754E-06	26.13350105	2.29863E-05	0.000226299	0.000288967	0.001487433
2118 May	151.4855499	0.098308668	0.092948027	0.003848292	35.04575729	0.044563185	58.12108231	0.000963452	0.000963452	4.85717E-06	0.006138956	0.001294361	0.038889587	0.017584015	5.19187E-06	26.14497948	2.29694E-05	0.000226805	0.000289892	0.001485993
2118 Jun	150.7370148	0.097665749	0.092177227	0.003817257	34.83447647	0.044300001	57.79356003	0.000958922	0.000958922	4.83429E-06	0.006115678	0.001291404	0.038674701	0.017588427	5.16701E-06	26.07576752	2.28879E-05	0.000226677	0.000289983	0.001479489
2118 Jul	151.5213776	0.098138928	0.092622675	0.003836044	35.00915527	0.044533938	58.10078049	0.000963941	0.000963941	4.85959E-06	0.006148271	0.00129825	0.038881034	0.017678319	5.19409E-06	26.21148109	2.30099E-05	0.000227855	0.000291457	0.001487227
2118 Aug	151.5970154	0.098094039	0.092545412	0.003833859	35.00604248	0.04457837	58.15456009	0.000964237	0.000964237	4.86111E-06	0.006151178	0.001299218	0.038919672	0.017680824	5.19594E-06	26.22576904	2.30155E-05	0.000227934	0.000291454	0.001488024
2118 Sep	151.0100555	0.097711146	0.092005149	0.003813334	34.84571075	0.04445447	57.94885254	0.000960664	0.000960664	4.84311E-06	0.006133783	0.001294991	0.038791016	0.017613038	5.17675E-06	26.13158607	2.29304E-05	0.000227116	0.000290163	0.001482713
2118 Oct	150.5107422	0.097448632	0.091578379	0.003797142	34.71641541	0.044350166	57.76160812	0.000957883	0.000957883	4.82907E-06	0.006121385	0.001291497	0.03867387	0.01756103	5.16161E-06	26.05307198	2.28642E-05	0.000226458	0.00028913	0.001478373
2118 Nov	150.4078217	0.097398393	0.091486827	0.003793714	34.68948364	0.044330571	57.72265244	0.00095734	0.00095734	4.82632E-06	0.00611921	0.001290816	0.038649928	0.017550804	5.15864E-06	26.03728867	2.2851E-05	0.000226328	0.000288916	0.001477507
2118 Dec	150.4132843	0.097402461	0.091489874	0.003793847	34.69073868	0.044332404	57.72467422	0.000957379	0.000957379	4.82652E-06	0.006119478	0.001290867	0.03865134	0.017551512	5.15885E-06	26.0382843	2.28518E-05	0.000226337	0.000288926	0.001477564
2119 Jan	150.4154205	0.09740404	0.091491066	0.003793897	34.6912384	0.044333063	57.72541428	0.000957394	0.000957394	4.8266E-06	0.006119578	0.001290889	0.038651846	0.017551852	5.15893E-06	26.03870773	2.28522E-05	0.000226341	0.000288932	0.001477587
2119 Feb	150.4190674	0.097406454	0.091493197	0.003793984	34.69208145	0.044334102	57.72674179	0.000957417	0.000957417	4.82671E-06	0.006119726	0.001290922	0.038652733	0.017552368	5.15906E-06	26.03939247	2.28527E-05	0.000226347	0.00028894	0.001477623
2119 Mar	150.445343	0.097423501	0.091509134	0.003794645	34.69814682	0.044341825	57.73678589	0.000957584	0.000957584	4.82756E-06	0.006120795	0.001291149	0.038659457	0.017555486	5.15996E-06	26.04397011	2.28567E-05	0.000226387	0.000288991	0.001477882
2119 Apr	150.5585022	0.097502179	0.091558821	0.003796534	34.72425842	0.04436788	57.76934052	0.000958281	0.000958281	4.83106E-06	0.006125196	0.001292559	0.038680434	0.017584343	5.16363E-06	26.07291031	2.28731E-05	0.000226693	0.000289474	0.001479118
2119 May	150.1431122	0.097207911	0.091047518	0.003774774	34.61349106	0.044181675	57.51092148	0.000955933	0.000955933	4.81912E-06	0.006112391	0.001293684	0.038507357	0.017685553	5.15002E-06	26.09206963	2.28248E-05	0.000227479	0.000291162	0.001476366
2119 Jun	149.980011	0.09699101	0.090789862	0.003764771	34.55157852	0.04411687	57.44973373	0.000954797	0.000954797	4.8134E-06	0.006108502	0.00129339	0.038467575	0.017690279	5.14394E-06	26.08184433	2.28163E-05	0.00022754	0.000291271	0.001474948
2119 Jul	150.681076	0.097397655	0.091169022	0.003780945	34.70403671	0.044325087	57.72654343	0.000959305	0.000959305	4.83613E-06	0.006138489	0.001299572	0.038654424	0.017770393	5.16828E-06	26.20357132	2.29294E-05	0.000228615	0.000292585	0.001481859
2119 Aug	151.0559845	0.097566962	0.091298304	0.003787075	34.77403259	0.044451594	57.89052582	0.000961495	0.000961495	4.8472E-06	0.006153429	0.001303002	0.038766231	0.017808756	5.1803E-06	26.2693634	2.29815E-05	0.000229155	0.000293187	0.001485547
2119 Sep	150.7874603	0.097367942	0.091016822	0.003776577	34.69522858	0.044403028	57.80273056	0.000959838	0.000959838	4.83885E-06	0.006145543	0.001301159	0.038713366	0.017775811	5.17145E-06	26.2266674	2.29403E-05	0.000228779	0.000292543	0.00148312
2119 Oct	150.4736176	0.097194023	0.090737015	0.003765963	34.61158752	0.044337187	57.6895752	0.000957986	0.000957986	4.82951E-06	0.00613742	0.001298903	0.038642053	0.01774078	5.16146E-06	26.17647743	2.28983E-05	0.000228344	0.000291864	0.001480358
2119 Nov	150.3349304	0.097119667	0.090619273	0.003761483	34.57564545	0.044307724	57.6380806	0.000957197	0.000957197	4.82553E-06	0.006133836	0.001297909	0.038609676	0.017725823	5.15718E-06	26.15435982	2.28798E-05	0.000228156	0.000291572	0.00147914
2119 Dec	150.3405457	0.09712375	0.090622507	0.003761622	34.57694626	0.044309556	57.64015198	0.000957237	0.000957237	4.82573E-06	0.006134104	0.001297962	0.03861111	0.01772655	5.15739E-06	26.15537834	2.28807E-05	0.000228165	0.000291583	0.001479198

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	6.5E-05	1.7E-09	5.7E-04	1.4E-03	3.5E-05	5.0E-08	2.1E-03	4.4E-07	2.4E-06	1.6E-07	3.9E-08	2.2E-08	5.3E-05	3.4E-10	1.7E-08	3.6E-07	2.6E-07	1.1E-03
Operations (2020-2043): Mean	6.9E-02	2.8E-05	3.6E+00	4.0E+01	1.3E-01	2.9E-03	1.3E+02	1.3E-02	6.0E-03	1.5E-04	2.4E-03	9.2E-04	3.5E-01	1.7E-06	7.9E-04	1.3E-03	3.0E-03	5.3E-03
Operations (2020-2043): Max	1.1E-01	3.9E-05	5.0E+00	6.0E+01	1.9E-01	0.00428	2.5E+02	2.0E-02	7.5E-03	3.7E-04	3.6E-03	1.4E-03	4.9E-01	2.0E-06	1.2E-03	1.8E-03	4.2E-03	7.9E-03
Active Closure (2044-2050): Min	2.5E-02	6.1E-06	1.4E+00	8.4E+00	2.8E-02	6.0E-04	1.7E+01	2.9E-03	4.8E-03	6.2E-05	4.7E-04	2.1E-04	9.0E-02	1.8E-06	1.6E-04	3.2E-04	1.3E-03	9.7E-04
Active Closure (2044-2050): Mean	3.4E-02	1.1E-05	1.8E+00	1.5E+01	5.0E-02	1.1E-03	3.2E+01	5.1E-03	5.0E-03	8.3E-05	8.7E-04	3.6E-04	1.4E-01	1.9E-06	2.9E-04	5.3E-04	1.7E-03	1.8E-03
Active Closure (2044-2050): Max	7.2E-02	2.8E-05	3.6E+00	4.0E+01	1.4E-01	2.9E-03	8.8E+01	1.3E-02	6.1E-03	1.7E-04	2.4E-03	9.3E-04	3.5E-01	2.0E-06	7.9E-04	1.4E-03	3.2E-03	5.2E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	2.6E-02	6.1E-06	1.4E+00	8.2E+00	2.8E-02	6.0E-04	1.3E+01	2.9E-03	4.8E-03	6.3E-05	4.7E-04	2.0E-04	9.0E-02	1.9E-06	1.6E-04	3.2E-04	1.3E-03	8.4E-04
Post Closure (2051-2119): Mean	6.0E-02	8.1E-06	1.5E+00	8.4E+00	3.9E-02	6.2E-04	1.5E+01	3.0E-03	6.5E-03	1.6E-04	4.8E-04	2.1E-04	1.1E-01	2.0E-06	1.7E-04	4.7E-04	1.5E-03	9.1E-04
Post Closure (2051-2119): Max	8.8E-02	9.7E-06	1.6E+00	8.5E+00	4.9E-02	6.3E-04	1.7E+01	3.0E-03	7.8E-03	2.5E-04	4.9E-04	2.1E-04	1.2E-01	2.1E-06	1.7E-04	5.9E-04	1.6E-03	9.8E-04
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2119)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	6.45309E-05	1.69818E-09	0.000567193	0.001372132	3.48127E-05	5.00964E-08	0.002131219	4.41527E-07	2.37746E-06	1.62346E-07	3.90582E-08	2.20764E-08	5.28135E-05	3.39636E-10	1.69818E-08	3.56618E-07	2.63218E-07	0
2033 Feb	0.000309387	8.14176E-09	0.002719348	0.006578542	0.000166906	2.40182E-07	0.010217909	2.11686E-06	1.13985E-05	7.78352E-07	1.8726E-07	1.05843E-07	0.000253209	1.62835E-09	8.14176E-08	1.70977E-06	1.26197E-06	0
2033 Mar	0.000595817	1.56794E-08	0.005236919	0.012668954	0.000321428	4.62542E-07	0.019677645	4.07664E-06	2.19512E-05	1.49895E-06	3.60626E-07	2.03832E-07	0.000487629	3.13588E-09	1.56794E-07	3.29267E-06	2.43031E-06	0
2033 Apr	0.00087614	2.30563E-08	0.007700811	0.018629506	0.000472655	6.80161E-07	0.02893568	5.99464E-06	3.22788E-05	2.20418E-06	5.30295E-07	2.99732E-07	0.000717052	4.61126E-09	2.30563E-07	4.84183E-06	3.57373E-06	0
2033 May	0.08421389	8.4491E-06	1.373835206	9.850240707	0.063613296	0.000651156	36.59102631	0.003332054	0.004312319	0.000340972	0.000570428	0.000234878	0.12797682	8.75869E-07	0.000186776	0.00068868	0.00113823	0.001092516
2033 Jun	0.080733612	2.94594E-05	3.860617399	43.17914581	0.153259039	0.00303117	175.3061676	0.014366602	0.005750105	0.000252203	0.002596535	0.001002334	0.378493428	1.73885E-06	0.000845065	0.001561826	0.003377383	0.00557435
2033 Jul	0.061137252	3.61677E-05	4.560169697	54.42906189	0.174017429	0.00385641	223.1861267	0.018073522	0.005446773	0.000132576	0.003273009	0.001259249	0.450957566	1.91449E-06	0.001069402	0.001718579	0.003962885	0.007139426
2033 Aug	0.056559142	3.93728E-05	4.957902908	60.20175934	0.188441202	0.004278969	247.3463135	0.019949501	0.005264324	0.000108356	0.003604696	0.001391301	0.492839545	1.9724E-06	0.001182234	0.00182008	0.004197602	0.0079221
2033 Sep	0.051517636	3.21999E-05	4.046782494	47.64713669	0.145827368	0.003521889	195.5270081	0.015816703	0.005833019	4.3263E-05	0.002814214	0.001097992	0.397344291	1.78936E-06	0.000947631	0.001399859	0.00332122	0.006242249
2033 Oct	0.052864429	2.81258E-05	3.524930477	40.28582382	0.122590005	0.003051503	164.9944153	0.013404473	0.006316802	2.59456E-05	0.002361593	0.000926458	0.342343718	1.71258E-06	0.00080896	0.001187091	0.002875631	0.00525161
2033 Nov	0.054864477	2.72777E-05	3.412792444	38.47314453	0.117247134	0.002935869	157.4200745	0.012820058	0.006572187	2.54483E-05	0.002251057	0.000884658	0.329762489	1.72748E-06	0.00077501	0.001140368	0.002792385	0.00500394
2033 Dec	0.054911591	2.7268E-05	3.411469936	38.44839096	0.117175259	0.00293438	157.3159485	0.012812164	0.006578047	2.5448E-05	0.00224953	0.000884087	0.329603314	1.72809E-06	0.000774557	0.001139764	0.002791466	0.005000507
2034 Jan	0.054992903	2.72592E-05	3.410768509	38.43077087	0.117160365	0.002933114	157.2385712	0.012806402	0.00658131	2.56398E-05	0.002248421	0.00088367	0.329521775	1.72827E-06	0.000774205	0.001139675	0.002790705	0.004997919
2034 Feb	0.055085715	2.72549E-05	3.410819769	38.42301178	0.117187582	0.002932431	157.2010498	0.01280379	0.00658354	2.59028E-05	0.002247898	0.000883476	0.329523414	1.72838E-06	0.000774032	0.00113997	0.002790413	0.004996614
2034 Mar	0.055146519	2.72576E-05	3.411481142	38.42592239	0.117224179	0.002932603	157.2097931	0.012804746	0.006585978	2.60508E-05	0.002248031	0.000883534	0.329585522	1.72876E-06	0.000774081	0.001140342	0.002790772	0.004996831
2034 Apr	0.05532144	2.73285E-05	3.420532227	38.52527618	0.117543116	0.002940158	157.6144867	0.012837846	0.006604114	2.62016E-05	0.002253823	0.000885814	0.330458909	1.73338E-06	0.000776077	0.001143454	0.002798073	0.005009659
2034 May	0.067016117	2.69141E-05	3.43205905	37.64910889	0.121444628	0.002849295	153.3287048	0.012552042	0.006866784	9.15397E-05	0.002202268	0.000867364	0.330959469	1.76139E-06	0.000755662	0.001194269	0.002808919	0.004860833
2034 Jun	0.073110312	2.96607E-05	3.844920158	43.4924202	0.148760527	0.00310149	177.0449371	0.014463902	0.005791651	0.000196911	0.002602423	0.001007374	0.376856059	1.73434E-06	0.000855547	0.001498664	0.00331301	0.005634459
2034 Jul	0.051515043	3.3388E-05	4.129290581	49.59931564	0.152555332	0.003543937	203.9005585	0.016486585	0.005138147	7.04925E-05	0.00296458	0.001146747	0.406876355	1.81667E-06	0.000977639	0.00145573	0.003522924	0.006524528
2034 Aug	0.050749443	3.6619E-05	4.551696777	55.13013458	0.168490499	0.003951485	226.8031769	0.018295126	0.005184005	6.38038E-05	0.00328577	0.001274161	0.450186968	1.91368E-06	0.001085812	0.001589552	0.003809703	0.007261687
2034 Sep	0.049247194	3.18859E-05	4.00164175	47.3350563	0.143643394	0.00350654	194.3539276	0.015703604	0.005738119	3.18521E-05	0.002791477	0.001089873	0.393400878	1.75311E-06	0.000942095	0.001371851	0.003258815	0.006206606
2034 Oct	0.054807786	2.78255E-05	3.483182669	39.43156433	0.119975179	0.003005046	161.39151	0.013132539	0.006588162	2.44065E-05	0.002307524	0.000906551	0.337091386	1.74155E-06	0.000793808	0.001165089	0.002843501	0.005132114
2034 Nov	0.055611886	2.75615E-05	3.448033333	38.83794403	0.118237674	0.002967828	158.9056702	0.012941794	0.006689219	2.43246E-05	0.002271211	0.000892863	0.333068162	1.74947E-06	0.000782765	0.001150105	0.002817916	0.005050617
2034 Dec	0.055693846	2.75445E-05	3.445718527	38.79469681	0.118112244	0.002965221	158.7237854	0.012928002	0.006699382	2.43256E-05	0.002268546	0.000891866	0.332789838	1.75054E-06	0.000781972	0.00114905	0.002816309	0.00504462
2035 Jan	0.055822246	2.75299E-05	3.44451952	38.76565933	0.11808534	0.002963132	158.5965424	0.012918504	0.006704489	2.46301E-05	0.002266722	0.000891179	0.332651675	1.75079E-06	0.000781393	0.001148879	0.002815038	0.005040371
2035 Feb	0.055970304	2.75237E-05	3.444673777	38.75421143	0.118131049	0.002962113	158.5405579	0.012914648	0.006708139	2.50475E-05	0.002265945	0.000890891	0.33266142	1.75101E-06	0.000781134	0.001149371	0.002814637	0.005038414
2035 Mar	0.056061573	2.75255E-05	3.445406199	38.75526428	0.118178211	0.002962115	158.5398712	0.012914977	0.006711392	2.52799E-05	0.002265947	0.000890901	0.33272934	1.75145E-06	0.00078114	0.001149855	0.002814948	0.005038295
2035 Apr	0.056312297	2.76241E-05	3.45803237	38.89318848	0.118623868	0.002972612	159.1012268	0.012960926	0.006737028	2.5502E-05	0.002273978	0.000894064	0.333947062	1.75791E-06	0.000783911	0.001154206	0.0028251	0.005056079
2035 May	0.062186532	2.79071E-05	3.524678946	39.26282883	0.122844562	0.002985409	160.3080597	0.013083542	0.006896511	5.69649E-05	0.00229625	0.00090339	0.340404302	1.7895E-06	0.00078959	0.001200453	0.002878756	0.005089669
2035 Jun	0.063852876	2.88168E-05	3.633652687	41.485271145	0.137548745	0.002951786	169.3696899	0.013850021	0.005661089	0.000143808	0.002510704	0.000961753	0.354024112	1.741E-06	0.000818866	0.001418497	0.003312188	0.00539896
2035 Jul	0.052154213	3.22539E-05	3.946583748	46.83776474	0.145380378	0.003332824	192.4091949	0.01563769	0.00550143	6.96854E-05	0.002842977	0.001084741	0.385676742	1.86431E-06	0.000925928	0.001474583	0.003638751	0.006156141
2035 Aug	0.041241467	3.54628E-05	4.435859203	54.08327866	0.16448243	0.00389702	222.649826	0.017929481	0.004551641	4.22538E-05	0.003224422	0.001250219	0.43987304	1.77779E-06	0.001065162	0.001558868	0.003699453	0.007133693
2035 Sep	0.054194745	2.82952E-05	3.536596537	39.96543121	0.121778965	0.003037573	163.6352234	0.013324006	0.006483132	2.51609E-05	0.002341046	0.000920838	0.34163022	1.78206E-06	0.000803045	0.001172626	0.002897202	0.005203823
2035 Oct	0.056488831	2.75705E-05	3.4471066	38.66377258	0.117776453	0.002960311	158.1546783	0.012890706	0.006797328	2.43726E-05	0.002259935	0.000889044	0.332416832	1.7705E-06	0.000779825	0.001145994	0.002820306	0.005024819
2035 Nov	0.054162148	2.81116E-05	3.520872831	40.01609421	0.121694617	0.003043118	163.8332367	0.013321874	0.006510464	2.43305E-05	0.002342976	0.000920105	0.341227084	1.73942E-06	0.000804781	0.001179705	0.002871343	0.005211781
2035 Dec	0.054298349	2.8064E-05	3.514532089	39.91040039	0.121385276	0.003036435	163.3908997	0.013287889	0.006527449	2.43208E-05	0.002336524	0.000917669	0.340505421	1.74069E-06	0.000802809	0.001177026	0.002866732	0.005197292
2036 Jan	0.054431014	2.80481E-05	3.513181925	39.87888718	0.121352829	0.003034173	163.2531891	0.013277582	0.006532756	2.46342E-05	0.002334549	0.000916925	0.340351045	1.74093E-06	0.000802182	0.001176807	0.002865333	0.005192701
2036 Feb	0.054582823	2.80398E-05	3.513123512	39.86434555	0.121392518	0.003032917	163.1841278	0.013272699	0.006536271	2.50677E-05	0.002333584	0.000916565	0.340339571	1.74106E-06	0.00080186	0.001177244	0.002864739	0.005190318
2036 Mar	0.05466551	2.80356E-05	3.513123035	39.85682678	0.121415086	0.003032265	163.1481628	0.013270172	0.006538233	2.53026E-05	0.002333083	0.000916378	0.340336382	1.74114E-06	0.000801693	0.001177491	0.002864443	0.005189074
2036 Apr	0.055288032	2.81693E-05	3.534010887	40.08179855	0.122403696	0.003047186	163.8843536	0.013343459	0.006556327	2.70554E-05	0.002346141	0.000921458	0.342467219	1.74679E-06	0.000805924	0.001186895	0.002878723	0.005217381
2036 May	0.057510369	2.86375E-05	3.605458736	40.83586121	0.125716075	0.003097397	166.3621826	0.013590434	0.00663587	3.46875E-05	0.002390238	0.000938695	0.349668801	1.76991E-06	0.000820178	0.001219114	0.00293072	0.005312038
2036 Jun	0.055104107	2.81429E-05	3.449564219	39.66300583	0.126090169	0.00284152	145.1193085	0.013290897	0.005732667	8.13809E-05	0.002417703	0.000919372	0.333607137	1.76616E-06	0.000787618	0.001324212	0.003279672	0.005184273
2036 Jul	0.05139323	3.20608E-05	3.93168807	46.87580872	0.143854722	0.003350127	168.6107483	0.015617054	0.005280883	6.31433E-05	0.002812253	0.0010846	0.385361284	1.8202E-06	0.000925666	0.0013907	0.003437975	0.006163517
2036 Aug	0.050412424	3.57333E-05	4.421389103	53.43708801	0.16288799	0.003829186	192.3490143	0.01774906	0.005215666	5.89817E-05	0.003188493	0.001235297	0.436405957	1.9027E-06	0.001053208	0.001540592	0.003732794	0.007038642
2036 Sep	0.042585038	3.51202E-05	4.41215229	53.79148483	0.162769496	0.00390842	193.6492004	0.017803913	0.00481659	3.5543E-05	0.003188928	0.001240341	0.438367218	1.74226E-06	0.001062142	0.001533624	0.003589721	0.007089409
2036 Oct	0.055228513	2.81287E-05	3.51791358	39.83825684	0.12126556	0.00303109	142.7953949	0.013270888	0.006610421	2.56487E-05	0.00233277	0.000916284	0.340384275	1.76203E-06	0.000801544	0.001176157	0.002878081	0.005186025
2036 Nov	0.053974442	2.85586E-05	3.576292276	40.81253052	0.124096416	0.003094112	146.3470917	0.013583028	0.006463474	2.539E-05	0.002391816	0.000938614	0.347067714	1.74865E-06	0.000819845	0.001201073	0.002918416	0.005319379
2036 Dec	0.053841777	2.85208E-05	3.571942329	40.77270508	0.123966791	0.003091059	146.2054291	0.013569154	0.00644974	2.52623E-05	0.00238945	0.000937669	0.346685648	1.74484E-06	0.000819032	0.00119983	0.002914179	0.005314346
2037 Jan	0.054101173	2.84906E-05	3.569403648	40.71229553	0.123905629	0.003086742	145.9756775	0.013549408	0.006460399	2.58673E-05	0.002385658	0.000936241	0.346393257	1.74538E-06	0.000817831	0.001199425	0.002911531	0.00530553
2037 Feb	0.0543961	2.84775E-05	3.569610834	40.68806839	0.123991705	0.003084624	145.8742676	0.013541266	0.006467821	2.66943E-05	0.002384023	0.000935635	0.346401721	1.7458E-06	0.000817289	0.00120036	0.00291066	0.00530144
2037 Mar	0.054612733	2.84994E-05	3.573365927	40.71634293	0.124165252	0.003086613	145.9676819	0.013550634	0.006478474	2.71733E-05	0.002385562	0.000936258	0.346759766	1.74782E-06	0.000817827	0.001202096	0.002913153	0.005304614
2037 Apr	0.05486672	2.85799E-05	3.584035635	40.82963181	0.12456058	0.003095114	146.3692932	0.013588313	0.006500015	2.75117E-05	0.002392132	0.000938848	0.347791523	1.75314E-06	0.000820086	0.001205956	0.002921527	0.005319083
2037 May	0.098913632	2.52437E-05	3.401945353	34.48532867	0.130353048	0.002539004	118.27771	0.011514719	0.007467235	0.000274854	0.002016289	0.000799374	0.326364547	1.80691E-06	0.000683981	0.001316186	0.002786842	0.004351304
2037 Jun	0.106588453	2.62086E-05	3.604115725	37.07086182	0.146831676	0.002615655	117.5425568	0.012346397	0.006790115	0.000367102	0.002196344	0.000862566	0.349702626	1.75534E-06	0.000724117	0.001497812	0.003015582	0.004679541
2037 Jul	0.100863844	2.72089E-05	3.688349485	38.7530899	0.14864026	0.002737332	122.7494125	0.012905602	0.006649184	0.000336139	0.002302798	0.000900962	0.358542949	1.77459E-06	0.000758027	0.001512429	0.003114302	0.004922251
2037 Aug	0.097082391	2.83251E-05	3.813942671	40.79668808	0.152843744	0.002886129	129.1602936	0.013572423	0.006504966	0.000318068	0.002424167	0.000947673	0.371929884	1.78672E-06	0.000798235	0.001543124	0.003205041	0.005205602
2037 Sep	0.093031093	2.9025E-05	3.885705948	42.11469269	0.154668808	0.002988439	133.2663269	0.014001262	0.006383282	0.000297151	0.0025014	0.000977496	0.379703641	1.7877E-06	0.000824749	0.001552357	0.00325157	0.005392186
2037 Oct	0.088049218	2.90097E-05	3.856017351	42.11440277	0.151558697	0.003009209	133.1582184	0.013999701	0.0063373	0.000265617	0.002498042	0.000976434	0.376789868	1.77508E-06	0.000826867	0.001515215	0.003216052	0.005405014
2037 Nov	0.087435372	2.89799E-05	3.847797155	42.04380798	0.150885969	0.003008095	132.9168854	0.01397698	0.006347252	0.000260872	0.002493186	0.000974647	0.375898689	1.77498E-06	0.000825895	0.001507905	0.003208112	0.005397156
2037 Dec	0.087446533	2.89806E-05	3.84782815	42.04226685	0.150878564	0.003008093	132.9116211	0.013976545	0.006349265	0.000260839	0.002493074	0.00097461	0.375894397	1.77529E-06	0.000825876	0.001507847	0.003208163	0.005396921
2038 Jan	0.087462373	2.89786E-05	3.847636938	42.03796387	0.150871918	0.003007807	132.8972778	0.013975142	0.006350122	0.000260857	0.0024928	0.000974508	0.375872135	1.77534E-06	0.000825793	0.001507791	0.003207956	0.0053963
2038 Feb	0.087482393	2.89776E-05	3.847634077	42.03605652	0.150876701	0.003007652	132.8903809	0.013974504	0.006350679	0.000260905	0.002492671	0.00097446	0.375870883	1.77537E-06	0.000825752	0.001507842	0.003207872	0.005395987
2038 Mar	0.087498009	2.89786E-05	3.847839832	42.03727722	0.15088743	0.003007729	132.8937836	0.013974906	0.006351323	0.000260945	0.002492734	0.000974486	0.375890404	1.77548E-06	0.000825774	0.001507951	0.003207999	0.005396106
2038 Apr	0.08756984	2.9E-05	3.850724459	42.06821442	0.151002064	0.003009937	132.9913177	0.013985188	0.006356259	0.000261155	0.002494563	0.000975202	0.376171857	1.77683E-06	0.00082638	0.001509098	0.003210379	0.005400056
2038 May	0.090956084	2.87998E-05	3.842793703	41.64366531	0.151462674	0.00297495	131.0050201	0.013846796	0.006463686	0.000278308	0.002468442	0.000965817	0.375057757	1.78604E-06	0.000817451	0.001517003	0.003201745	0.005333954
2038 Jun	0.097994134	2.77539E-05	3.749148607	39.79504395	0.15020293	0.002821782	120.8044205	0.013242222	0.006572081	0.000320639	0.002361208	0.000924456	0.365100056	1.77495E-06	0.000779073	0.001518165	0.00314085	0.005068065
2038 Jul	0.097976223	2.81269E-05	3.787300587	40.28850174	0.151336208	0.002857066	121.9741058	0.01341039	0.00663555	0.000317389	0.002392872	0.000935907	0.368692398	1.79967E-06	0.000789072	0.001531451	0.003187505	0.00513503
2038 Aug	0.096010216	2.88499E-05	3.869907856	41.56739426	0.154105306	0.002950651	125.1043701	0.013828957	0.006573081	0.00030733	0.002468689	0.000965211	0.377355158	1.813E-06	0.000814266	0.001552356	0.003248277	0.005311211
2038 Sep	0.092697717	2.92594E-05	3.908668995	42.39271927	0.154898539	0.003015761	126.7566223	0.014095931	0.006462728	0.00029079	0.002516909	0.00098374	0.381735653	1.80633E-06	0.000830976	0.001553864	0.003270453	0.005430091
2038 Oct	0.09063904	2.92578E-05	3.897123814	42.40406036	0.153654352	0.003025008	126.2973709	0.014098931	0.006442017	0.000277846	0.002516217	0.000983564	0.380615771	1.80093E-06	0.000832059	0.001538881	0.003256247	0.005436931
2038 Nov	0.090553857	2.92661E-05	3.897389174	42.41184616	0.153598905	0.003026299	126.2875824	0.014101625	0.006446157	0.00027704	0.002516554	0.000983715	0.38062799	1.80163E-06	0.000832289	0.0015382	0.003256232	0.005438193
2038 Dec	0.090559274	2.92639E-05	3.897063017	42.40628433	0.15357931	0.003025989	126.2707977	0.014099852	0.006447466	0.000277006	0.002516207	0.000983586	0.380589217	1.80176E-06	0.00083219	0.001538023	0.00325599	0.005437435
2039 Jan	0.090569109	2.92625E-05	3.896934509	42.40347672	0.15357478	0.003025803	126.2620392	0.014098936	0.006448003	0.000277016	0.002516028	0.000983519	0.380574375	1.80179E-06	0.000832136	0.001537984	0.003255852	0.005437031
2039 Feb	0.090581588	2.92618E-05	3.89692235	42.40215302	0.153577387	0.003025697	126.2576141	0.014098492	0.00644834	0.000277045	0.002515939	0.000983486	0.380572557	1.8018E-06	0.000832107	0.001538012	0.00325579	0.005436818

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.090601906	2.92658E-05	3.897497177	42.40775299	0.153601721	0.00302609	126.2740173	0.014100353	0.006449486	0.000277103	0.002516266	0.000983614	0.380628347	1.80208E-06	0.000832216	0.001538257	0.003256241	0.005437512
2039 Apr	0.09065707	2.92821E-05	3.899699688	42.43135071	0.153689489	0.00302777	126.3441315	0.014108198	0.006453242	0.000277269	0.002517663	0.000984161	0.380843252	1.8031E-06	0.000832678	0.001539137	0.003258065	0.005440524
2039 May	0.090889819	2.93787E-05	3.912606239	42.58032227	0.154209942	0.003038272	126.7245407	0.014157406	0.006468411	0.000278058	0.002526504	0.000987608	0.382128894	1.80803E-06	0.000835582	0.001544216	0.003268481	0.005459836
2039 Jun	0.084577963	2.81692E-05	3.686172247	40.09341812	0.143170401	0.002859244	116.1487503	0.013373455	0.006399157	0.000240826	0.002397372	0.00093069	0.357969999	1.79715E-06	0.000789061	0.001459602	0.003206358	0.005149765
2039 Jul	0.077732041	2.8147E-05	3.636177063	40.12339783	0.139753282	0.002861106	112.6076279	0.013388909	0.006144528	0.000207338	0.00240547	0.000931055	0.353273422	1.77383E-06	0.000790477	0.001422592	0.003196576	0.005175103
2039 Aug	0.075657032	2.81917E-05	3.624373436	40.16409683	0.13841413	0.002867867	111.3323212	0.013403472	0.006082677	0.000194467	0.0024055	0.000931862	0.352075011	1.77369E-06	0.000791655	0.001399022	0.003175461	0.00518728
2039 Sep	0.075066701	2.84034E-05	3.649753571	40.5492897	0.13922815	0.002897721	111.9655762	0.013528555	0.006071412	0.000191093	0.002427582	0.000940606	0.35475105	1.77671E-06	0.000799344	0.001404744	0.003190447	0.005240053
2039 Oct	0.07452365	2.84457E-05	3.653675795	40.64661407	0.139205098	0.002907316	111.9267426	0.013559133	0.006062373	0.000187891	0.002432522	0.000942688	0.355222791	1.77459E-06	0.000801456	0.001403145	0.003188933	0.005254264
2039 Nov	0.074558072	2.84541E-05	3.654714108	40.65597534	0.139236271	0.0029081	111.9509735	0.013562335	0.006066205	0.000187921	0.002433058	0.000942904	0.355316132	1.77541E-06	0.000801653	0.001403476	0.003189844	0.005255429
2039 Dec	0.074565127	2.84553E-05	3.654855013	40.65690613	0.139239654	0.002908193	111.9534988	0.01356267	0.006067006	0.000187925	0.002433108	0.000942925	0.355327725	1.77556E-06	0.000801675	0.001403516	0.003189974	0.005255536
2040 Jan	0.074569307	2.84547E-05	3.654802322	40.65574646	0.13923794	0.002908116	111.9501648	0.013562288	0.006067215	0.000187932	0.002433034	0.000942897	0.355321705	1.77557E-06	0.000801652	0.001403501	0.003189913	0.005255368
2040 Feb	0.074574888	2.84546E-05	3.654817343	40.65542221	0.139239833	0.002908088	111.9491196	0.013562179	0.006067383	0.000187946	0.00243301	0.000942889	0.355322957	1.77558E-06	0.000801645	0.001403521	0.003189903	0.005255308
2040 Mar	0.074587367	2.84581E-05	3.655288935	40.66040039	0.139258489	0.002908441	111.9627304	0.01356384	0.006068243	0.000187977	0.002433306	0.000943004	0.355368644	1.77581E-06	0.000801742	0.00140371	0.003190302	0.005255942
2040 Apr	0.074622378	2.84708E-05	3.65692687	40.67847443	0.139321297	0.002909733	112.0124435	0.013569867	0.006071005	0.000188065	0.002434386	0.000943423	0.355527848	1.77661E-06	0.000802099	0.001404343	0.003191725	0.005258273
2040 May	0.075620286	2.84575E-05	3.660160303	40.62496948	0.139640182	0.002904966	111.7241898	0.013552678	0.006108803	0.000192805	0.002430853	0.00094229	0.355756193	1.78135E-06	0.00080091	0.001408316	0.003193351	0.00524835
2040 Jun	0.081024289	2.76221E-05	3.584454536	39.11386108	0.138182253	0.002787402	104.8586349	0.013058075	0.006244932	0.000222546	0.002341062	0.000908198	0.347587109	1.776E-06	0.000770191	0.00140391	0.003136713	0.005031275
2040 Jul	0.080084309	2.79221E-05	3.616585732	39.64174652	0.139274582	0.002824584	105.3236313	0.013231728	0.006215808	0.000217929	0.002373697	0.000920287	0.350976914	1.78129E-06	0.000780598	0.001413979	0.003167171	0.00510471
2040 Aug	0.079613216	2.82326E-05	3.653963327	40.18832016	0.140628353	0.002863991	106.1492157	0.013410293	0.006200662	0.000215442	0.002405884	0.000932818	0.354886621	1.78799E-06	0.000791296	0.001424664	0.003193602	0.005179057
2040 Sep	0.078778282	2.84025E-05	3.673475504	40.51514816	0.141211957	0.002889343	106.390686	0.01351619	0.006168819	0.00021147	0.002424592	0.000940262	0.356987536	1.78804E-06	0.000797783	0.001427668	0.003203838	0.005224626
2040 Oct	0.078594781	2.84148E-05	3.67389369	40.52883911	0.141084686	0.00289231	106.2238312	0.013520572	0.00617797	0.00020972	0.002424876	0.000940493	0.357010514	1.78885E-06	0.000798233	0.001425912	0.003202255	0.00522684
2040 Nov	0.078609824	2.84231E-05	3.674840927	40.53839874	0.141103864	0.002893228	106.2319107	0.013523806	0.006181753	0.000209619	0.002425389	0.000940707	0.357095629	1.78958E-06	0.000798444	0.001426083	0.003202937	0.005228074
2040 Dec	0.078613825	2.84233E-05	3.6748631	40.5381012	0.141103014	0.00289323	106.2311249	0.013523728	0.006182275	0.000209618	0.002425367	0.000940701	0.357095957	1.78967E-06	0.000798441	0.001426079	0.003202962	0.005228024
2041 Jan	0.078618124	2.84231E-05	3.674856186	40.53754425	0.14110297	0.002893195	106.2295532	0.013523546	0.006182516	0.000209625	0.00242533	0.000940687	0.357094556	1.78969E-06	0.00079843	0.001426081	0.003202944	0.005227936
2041 Feb	0.078623325	2.84232E-05	3.674892426	40.53753281	0.141105473	0.00289319	106.229393	0.01352354	0.006182697	0.000209638	0.002425325	0.000940686	0.357097894	1.78971E-06	0.000798429	0.001426106	0.003202956	0.00522792
2041 Mar	0.078633033	2.84257E-05	3.675234079	40.54107285	0.141119182	0.00289344	106.2386093	0.013524722	0.006183337	0.000209664	0.002425535	0.000940768	0.357130975	1.78988E-06	0.000798498	0.001426245	0.003203243	0.005228369
2041 Apr	0.078658327	2.84343E-05	3.676351786	40.55327606	0.14116244	0.00289431	106.2705536	0.013528793	0.006185255	0.000209731	0.002426264	0.00094105	0.357239544	1.79043E-06	0.000798738	0.001426683	0.003204211	0.005229938
2041 May	0.078843445	2.84762E-05	3.682358265	40.61527252	0.141420782	0.002898587	106.3755341	0.013549309	0.006194982	0.000210476	0.002429918	0.000942494	0.357830554	1.79299E-06	0.000799934	0.001429275	0.003208988	0.005237732
2041 Jun	0.077161826	2.78673E-05	3.580037355	39.37347031	0.136680454	0.002809352	101.3082123	0.013155423	0.006206902	0.000199375	0.002363499	0.000914104	0.346837848	1.79007E-06	0.000776478	0.001394397	0.003176209	0.005078228
2041 Jul	0.074250475	2.78259E-05	3.557045698	39.36292648	0.135325313	0.00280763	98.61999512	0.013153892	0.006090135	0.000186267	0.002366655	0.000913725	0.34472248	1.77631E-06	0.000776571	0.001382505	0.003175568	0.005085579
2041 Aug	0.074286602	2.80867E-05	3.589308739	39.78613281	0.136509091	0.002838201	99.2485733	0.01329317	0.006104882	0.000185659	0.002391596	0.000923471	0.347993314	1.78634E-06	0.000784878	0.001392708	0.00320001	0.005142121
2041 Sep	0.073869705	2.82538E-05	3.609999657	40.09876251	0.137243405	0.002861537	99.50179291	0.013394533	0.006088704	0.000183703	0.002409661	0.000930603	0.350195497	1.78796E-06	0.000791024	0.001398075	0.00321241	0.005184809
2041 Oct	0.073534079	2.8289E-05	3.613779068	40.17712784	0.137280375	0.002868919	99.32791901	0.013419194	0.006083115	0.000181705	0.002413654	0.000932299	0.350633532	1.78667E-06	0.000792688	0.001397367	0.003211708	0.005195996
2041 Nov	0.073557772	2.82977E-05	3.614795685	40.18650436	0.137300581	0.002869857	99.33024597	0.013422386	0.006087708	0.000181618	0.002414143	0.000932508	0.350723118	1.78752E-06	0.000792898	0.001397548	0.003212419	0.005197181
2041 Dec	0.073563412	2.82987E-05	3.614915133	40.18734741	0.137303606	0.002869938	99.33232117	0.013422685	0.006088343	0.000181622	0.00241419	0.000932528	0.350733101	1.78765E-06	0.000792917	0.001397584	0.00321253	0.005197279
2042 Jan	0.073567949	2.82988E-05	3.614939928	40.18718338	0.137304768	0.002869931	99.33184052	0.013422635	0.006088611	0.00018163	0.002414176	0.000932524	0.35073486	1.78769E-06	0.000792914	0.001397597	0.00321254	0.005197245
2042 Feb	0.073572166	2.82987E-05	3.614950895	40.18693542	0.137306184	0.002869909	99.33112335	0.013422551	0.006088736	0.000181641	0.002414158	0.000932517	0.350735754	1.7877E-06	0.000792908	0.001397612	0.003212532	0.005197199
2042 Mar	0.073578812	2.83003E-05	3.615170002	40.18916702	0.137315065	0.002870067	99.33660126	0.013423296	0.006089164	0.000181658	0.002414291	0.000932568	0.350756913	1.78781E-06	0.000792952	0.001397702	0.003212717	0.005197481
2042 Apr	0.073627695	2.83185E-05	3.617510319	40.21506882	0.137404263	0.002871915	99.40058899	0.013431946	0.00609314	0.000181778	0.002415846	0.000933169	0.350983948	1.78897E-06	0.000793463	0.00139861	0.003214791	0.005200826
2042 May	0.073999152	2.8375E-05	3.625997543	40.29118347	0.137779504	0.002877101	99.52093506	0.013457348	0.006112611	0.000183269	0.002420308	0.000934957	0.351798832	1.79341E-06	0.000794924	0.001402514	0.0032217	0.005210015
2042 Jun	0.073142506	2.80692E-05	3.575745106	39.69035721	0.135523513	0.00283328	96.44309235	0.013266223	0.006107117	0.000178268	0.002388326	0.000921223	0.346453905	1.78968E-06	0.000783505	0.001386162	0.003205232	0.005132921
2042 Jul	0.071810193	2.80333E-05	3.561185598	39.63109589	0.134659216	0.002828768	94.4977951	0.013248587	0.006061393	0.00017164	0.002386501	0.00091981	0.345015585	1.78525E-06	0.000782537	0.001377931	0.003202466	0.005129253
2042 Aug	0.070351064	2.81048E-05	3.567119837	39.81825256	0.134562582	0.002845952	93.38100433	0.013307526	0.005990221	0.000165076	0.00239546	0.000924053	0.345777273	1.77852E-06	0.00078629	0.001370734	0.00319359	0.005157464
2042 Sep	0.069618456	2.81271E-05	3.568613052	39.87578964	0.134374514	0.002853603	92.6971817	0.013325408	0.005966657	0.000161225	0.002397404	0.000925329	0.345953673	1.77623E-06	0.000787582	0.001365807	0.003186946	0.005166515
2042 Oct	0.069278456	2.81341E-05	3.569022655	39.90922165	0.134274468	0.002858066	92.3353653	0.013335113	0.005961192	0.000159178	0.002398574	0.000925973	0.346051663	1.7738E-06	0.000788385	0.001363732	0.003182847	0.005171666
2042 Nov	0.069305167	2.81434E-05	3.570181131	39.92113876	0.134311393	0.002859019	92.35543823	0.013339125	0.005964379	0.00015919	0.002399263	0.000926247	0.346159995	1.77453E-06	0.00078863	0.001364103	0.003183817	0.005173192
2042 Dec	0.069308832	2.81441E-05	3.570259333	39.92169189	0.13431336	0.002859072	92.35671997	0.013339322	0.005964796	0.000159192	0.002399294	0.000926259	0.346166551	1.77461E-06	0.000788643	0.001364126	0.003183889	0.005173256
2043 Jan	0.069311373	2.81439E-05	3.570251942	39.92131805	0.134313241	0.002859048	92.3558197	0.0133392	0.005964933	0.000159197	0.002399269	0.00092625	0.346165419	1.77463E-06	0.000788636	0.001364126	0.003183875	0.005173199
2043 Feb	0.069314212	2.81439E-05	3.570261478	39.92118073	0.134314284	0.002859036	92.35544586	0.013339153	0.00596502	0.000159204	0.002399258	0.000926247	0.346166223	1.77463E-06	0.000788632	0.001364136	0.003183872	0.005173172
2043 Mar	0.069317438	2.81445E-05	3.570352793	39.92206192	0.134318084	0.002859097	92.35746765	0.013339449	0.005965211	0.000159212	0.00239931	0.000926267	0.346174985	1.77468E-06	0.00078865	0.001364175	0.003183946	0.005173282
2043 Apr	0.069357105	2.81602E-05	3.572353363	39.94435883	0.134393543	0.002860693	92.40901947	0.013346897	0.005968575	0.000159303	0.002400649	0.000926784	0.346368939	1.77568E-06	0.00078909	0.001364941	0.003185727	0.005176168
2043 May	0.069825508	2.82008E-05	3.579438686	39.99273682	0.134739578	0.002863787	92.43897247	0.013363149	0.00599039	0.00016132	0.002403405	0.000927942	0.347034812	1.77992E-06	0.000789989	0.001368652	0.00319126	0.005181368
2043 Jun	0.072735004	2.78011E-05	3.545795202	39.2790947	0.134233311	0.002808056	89.13384247	0.013128624	0.006062889	0.000177258	0.002360424	0.000911832	0.343411207	1.77715E-06	0.000775404	0.001368002	0.00316282	0.00507779
2043 Jul	0.072567686	2.79773E-05	3.565230608	39.55725479	0.13488698	0.002827769	89.01721954	0.013220862	0.006069213	0.000175732	0.002377362	0.000918228	0.345375746	1.78412E-06	0.000780906	0.001373865	0.003180529	0.00511573
2043 Aug	0.072383165	2.81751E-05	3.589502573	39.88847351	0.135734454	0.002852342	89.1473465	0.01332952	0.006069922	0.000174381	0.002396601	0.000925852	0.347854584	1.79042E-06	0.000787423	0.001380395	0.003197143	0.005160382
2043 Sep	0.071907528	2.82664E-05	3.600423813	40.07011414	0.136063755	0.002866665	88.92831421	0.013388062	0.006049626	0.000172204	0.002406753	0.000929989	0.349039465	1.78985E-06	0.000791018	0.001381726	0.003201446	0.005185647
2043 Oct	0.071740195	2.82183E-05	3.593402386	39.97957611	0.135615051	0.002862958	88.39826202	0.013358071	0.006062986	0.0001703	0.002400508	0.000927792	0.348289251	1.78905E-06	0.000789487	0.001376789	0.003192691	0.005173812
2043 Nov	0.071686111	2.81386E-05	3.582433224	39.82434082	0.135024875	0.002854382	87.88822937	0.013307313	0.006081275	0.000168896	0.002390553	0.000924135	0.347102851	1.78856E-06	0.000786679	0.001370856	0.003181921	0.005153073
2043 Dec	0.071690232	2.81386E-05	3.58242178	39.82355499	0.135022417	0.002854354	87.88651276	0.013307075	0.00608184	0.000168893	0.002390501	0.000924117	0.347099572	1.78864E-06	0.000786666	0.001370837	0.003181917	0.005152957
2044 Jan	0.071694314	2.81385E-05	3.582421064	39.82310486	0.13502264	0.002854326	87.88546753	0.013306929	0.006082067	0.0001689	0.00239047	0.000924106	0.347098857	1.78867E-06	0.000786658	0.001370841	0.003181904	0.005152885
2044 Feb	0.071701698	2.81395E-05	3.582584381	39.82453918	0.135029837	0.002854425	87.88856506	0.013307407	0.006082453	0.000168918	0.002390553	0.000924138	0.347114503	1.78875E-06	0.000786685	0.001370914	0.003182031	0.005153057
2044 Mar	0.071710773	2.81421E-05	3.582926989	39.82814026	0.135043323	0.002854681	87.89648438	0.01330861	0.006083094	0.00016894	0.002390767	0.000924221	0.347147614	1.78893E-06	0.000786756	0.001371051	0.003182325	0.005153515
2044 Apr	0.071729049	2.81487E-05	3.583777666	39.83748245	0.135075688	0.002855349	87.91707611	0.013311732	0.006084572	0.000168983	0.002391327	0.000924438	0.347229987	1.78935E-06	0.00078694	0.00137138	0.003183075	0.005154721
2044 May	0.071875371	2.81956E-05	3.589933395	39.90395355	0.135315791	0.002860073	88.04997253	0.013333917	0.006095347	0.000169411	0.0023953	0.000925982	0.347826988	1.79239E-06	0.000788247	0.001373821	0.003188426	0.005163244
2044 Jun	0.068192475	2.6227E-05	3.375748873	36.98102951	0.125542164	0.002648527	80.01513672	0.012376034	0.005979429	0.000161342	0.002220598	0.000859341	0.323667377	1.7952E-06	0.000730411	0.001282842	0.003024307	0.0047761
2044 Jul	0.059767108	2.24108E-05	2.991141081	31.60562706	0.106970243	0.002262773	68.01073456	0.010607909	0.005737126	0.000142957	0.001892375	0.00073696	0.278908312	1.83264E-06	0.000623506	0.001100417	0.002696281	0.004063168
2044 Aug	0.051754162	1.87227E-05	2.631867409	26.44869804	0.089298189	0.001893102	57.10651779	0.008895137	0.005493757	0.000123909	0.001575829	0.000619404	0.236700505	1.87333E-06	0.00052066	0.000924012	0.002379243	0.003376626
2044 Sep	0.045647968	1.61515E-05	2.388515234	22.89276123	0.076932885	0.001639271	49.26629639	0.007697371	0.005303263	0.000108321	0.001356689	0.000537985	0.207787231	1.8877E-06	0.000449573	0.000798114	0.002151881	0.002903235
2044 Oct	0.043302182	1.5113E-05	2.292491913	21.44634056	0.071900167	0.001536302	46.12125015	0.00721024	0.005256423	0.000103279	0.001267497	0.000504808	0.196079463	1.89366E-06	0.000420681	0.000747401	0.002059964	0.002710355
2044 Nov	0.043328948	1.51207E-05	2.293117046	21.45360374	0.071918398	0.001537061	46.11640549	0.007212724	0.005259664	0.00010322	0.001267887	0.000504966	0.19614923	1.89383E-06	0.00042085	0.000747571	0.002060384	0.002711292
2044 Dec	0.043330915	1.5121E-05	2.2931633	21.45390302	0.071919449	0.001537089	46.11705399	0.00721283	0.005259904	0.000103221	0.001267903	0.000504973	0.196152836	1.89388E-06	0.000420857	0.000747584	0.002060427	0.002711327
2045 Jan	0.043332241	1.5121E-05	2.293161154	21.45376587	0.07191956	0.00153708	46.116745	0.007212786	0.005259965	0.000103224	0.001267894	0.000504969	0.196152613	1.89388E-06	0.000420854	0.000747585	0.002060421	0.002711305
2045 Feb	0.043333706	1.5121E-05	2.293166876	21.453722	0.071920179	0.001537076	46.11662674	0.00721277	0.005260005	0.000103227	0.00126789	0.000504968	0.196153224	1.89388E-06	0.000420853	0.000747592	0.00206042	0.002711295
2045 Mar	0.043336935	1.51218E-05	2.293298721	21.45490074	0.071924545	0.00153716	46.11915207	0.007213166	0.005260322	0.000103235	0.001267959	0.000504995	0.196164563	1.89399E-06	0.000420876	0.000747637	0.002060535	0.002711442
2045 Apr	0.043346129	1.51249E-05	2.293762922	21.45921516	0.071939237	0.001537469	46.12841797	0.007214617	0.005261396	0.000103257	0.001268214	0.000505097	0.196204305	1.89437E-06	0.000420961	0.00074779	0.002060951	0.002711985
2045 May	0.043402966	1.51446E-05	2.296760559	21.48724365	0.072033301	0.001539477	46.1886673	0.00722404	0.005268276	0.000103393	0.00126987	0.000505757	0.196460724	1.89685E-06	0.000421511	0.000748768	0.002063643	0.002715527
2045 Jun	0.042766307	1.48072E-05	2.251929283	20.92395973	0.070083961	0.00149883	44.51688385	0.007044015	0.005255335	0.000101099	0.001237546	0.000492921	0.19163315	1.89509E-06	0.000410589	0.000732322	0.002037419	0.002641917
2045 Jul	0.040572364	1.37338E-05	2.138368845	19.37161827	0.064761728	0.001387277	40.98221588	0.006539291	0.005197223	9.65226E-05	0.001143526	0.00045765	0.178614959	1.90602E-06	0.000379855	0.000681337	0.001946375	0.002436415
2045 Aug	0.037750412	1.24464E-05	2.013490438	17.58775139	0.058659222	0.001259261	37.26247406	0.005946922	0.005102967	8.98235E-05	0.001033771	0.000417017	0.163997099	1.92111E-06	0.000344237	0.000619996	0.001835418	0.002198895
2045 Sep	0.035287496	1.14088E-05	1.918848634	16.17159271	0.053760454	0.001157745	34.25991821	0.005466626	0.00502515	8.3705E-05	0.000946256	0.00038457	0.152588561	1.92823E-06	0.000315816	0.000569742	0.001744617	0.002009887
2045 Oct	0.034228854	1.09342E-05	1.877322912	15.51910877	0.05150982	0.00111088	32.93512344	0.00524556	0.005007	8.18408E-05	0.000905959	0.00036961	0.147362769	1.9322E-06	0.000302704	0.000546979	0.001703588	0.001922589
2045 Nov	0.034235399	1.0936E-05	1.877636313	15.52161407	0.051518176	0.001111064	32.94044876	0.005246411	0.005007932	8.18541E-05	0.000906104	0.000369669	0.147387207	1.93254E-06	0.000302753	0.000547068	0.001703873	0.001922897
2045 Dec	0.034237035	1.09364E-05	1.877700686	15.52210045	0.051519811	0.001111102	32.94148254	0.005246577	0.005008157	8.18567E-05	0.000906132	0.000369681	0.147392169	1.93261E-06	0.000302763	0.000547086	0.001703932	0.001922956
2046 Jan	0.034237817	1.09365E-05	1.877712488	15.52215576	0.051520232	0.001111106	32.94159317	0.005246597	0.005008212	8.18582E-05	0.000906135	0.000369682	0.147393137	1.93262E-06	0.000302764	0.000547091	0.001703941	0.001922961

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.034238681	1.09366E-05	1.877729177	15.52226067	0.051520891	0.001111113	32.94180679	0.005246632	0.005008266	8.18604E-05	0.000906141	0.000369684	0.147394523	1.93263E-06	0.000302766	0.000547098	0.001703954	0.001922972
2046 Mar	0.03424171	1.09374E-05	1.877878666	15.52347755	0.051525105	0.0011112	32.94438553	0.005247043	0.00500867	8.18677E-05	0.000906212	0.000369713	0.147406325	1.93279E-06	0.00030279	0.000547142	0.001704088	0.001923122
2046 Apr	0.034253504	1.09411E-05	1.878516078	15.52873516	0.051542655	0.001111576	32.95554352	0.00524882	0.005010372	8.18959E-05	0.000906518	0.000369839	0.147456363	1.93344E-06	0.000302892	0.000547329	0.001704665	0.001923773
2046 May	0.034316469	1.09557E-05	1.880899191	15.54894829	0.051620711	0.001113	32.99085236	0.005255624	0.005016462	8.20999E-05	0.0009077	0.000370318	0.147656634	1.93551E-06	0.000303285	0.000548151	0.001706759	0.001926255
2046 Jun	0.034406841	1.08847E-05	1.863747239	15.36539936	0.051063679	0.001099555	32.17037582	0.005200048	0.005020218	8.18981E-05	0.000898298	0.000366124	0.14608252	1.92985E-06	0.000299878	0.000545112	0.001702347	0.001902629
2046 Jul	0.033445835	1.04562E-05	1.812556028	14.73016548	0.048841719	0.001053817	30.43520355	0.004996455	0.004983665	7.96857E-05	0.000860436	0.000351677	0.140539899	1.92806E-06	0.000287401	0.000524316	0.001664306	0.001819578
2046 Aug	0.031997416	9.7905E-06	1.748547554	13.81186104	0.045705173	0.000988007	28.57295227	0.004691712	0.004934762	7.62001E-05	0.00080374	0.000330781	0.133031428	1.93751E-06	0.000269056	0.000492556	0.001606931	0.001697173
2046 Sep	0.030618496	9.23001E-06	1.697681308	13.05079842	0.043056984	0.000933872	26.94689178	0.004431819	0.004887601	7.25393E-05	0.000756444	0.000313299	0.126928806	1.93896E-06	0.000253782	0.000464852	0.001556037	0.001595606
2046 Oct	0.030038737	8.96963E-06	1.674640775	12.6893158	0.041795164	0.000908452	26.1853714	0.004308516	0.004879902	7.13602E-05	0.000733946	0.000304958	0.124053523	1.93897E-06	0.000246559	0.000451887	0.001531848	0.001547258
2046 Nov	0.030054688	8.97472E-06	1.675083995	12.69489098	0.041811626	0.000908956	26.18665123	0.004310398	0.004881438	7.13455E-05	0.000734264	0.000305082	0.124104016	1.93903E-06	0.000246681	0.000452046	0.001532181	0.001547985
2046 Dec	0.030056335	8.97508E-06	1.675146222	12.69531345	0.041813042	0.000908989	26.18752861	0.004310545	0.004881678	7.13479E-05	0.000734288	0.000305092	0.124108553	1.93911E-06	0.00024669	0.000452062	0.001532238	0.001548035
2047 Jan	0.030057162	8.97513E-06	1.675155282	12.69534016	0.041813407	0.000908992	26.1875782	0.004310554	0.004881731	7.13495E-05	0.000734289	0.000305093	0.124109298	1.93912E-06	0.00024669	0.000452066	0.001532244	0.001548036
2047 Feb	0.030058183	8.97522E-06	1.675175667	12.69545937	0.041814163	0.000909	26.18781471	0.004310594	0.004881799	7.1352E-05	0.000734295	0.000305095	0.124110945	1.93914E-06	0.000246692	0.000452074	0.00153226	0.001548049
2047 Mar	0.030063028	8.97655E-06	1.675425649	12.69733429	0.041820541	0.000909134	26.19167709	0.004311231	0.004882533	7.13636E-05	0.000734403	0.00030514	0.124129541	1.93942E-06	0.000246729	0.000452143	0.001532487	0.001548276
2047 Apr	0.030068841	8.97822E-06	1.675738215	12.69969368	0.04182842	0.000909302	26.19654083	0.004312032	0.004883446	7.13774E-05	0.00073454	0.000305197	0.124152735	1.93978E-06	0.000246775	0.000452228	0.001532772	0.001548563
2047 May	0.030283971	8.99448E-06	1.678298235	12.71637726	0.041971073	0.000910348	26.20390892	0.004317695	0.004892311	7.22849E-05	0.000735503	0.000305596	0.124409504	1.94094E-06	0.000247086	0.000453786	0.001534815	0.001550265
2047 Jun	0.031180641	8.96721E-06	1.674383879	12.63768387	0.042195994	0.000903733	25.75426483	0.004293485	0.00490625	7.67863E-05	0.000730857	0.000303828	0.124246947	1.93516E-06	0.000245467	0.00045695	0.001531478	0.001538015
2047 Jul	0.030590046	8.65361E-06	1.643403769	12.19009304	0.040659919	0.000871619	24.86962318	0.004150141	0.004902757	7.58701E-05	0.000703456	0.000293743	0.120504491	1.94552E-06	0.000236591	0.000442269	0.001506763	0.001478389
2047 Aug	0.029666085	8.23548E-06	1.604025006	11.61305523	0.038671341	0.000830284	23.7544899	0.003959096	0.004877099	7.3497E-05	0.000667812	0.000280644	0.115792252	1.95494E-06	0.000225065	0.000422233	0.001472102	0.001401355
2047 Sep	0.028703952	7.85285E-06	1.569253802	11.09127617	0.036844715	0.000793167	22.70539474	0.003780505	0.004844765	7.08058E-05	0.000635447	0.00026865	0.111610614	1.95585E-06	0.000214596	0.000403148	0.001437519	0.001331753
2047 Oct	0.028280949	7.67059E-06	1.552896023	10.83761215	0.035952337	0.000775324	22.19919205	0.003693733	0.004838231	6.99201E-05	0.000619702	0.000262785	0.109583125	1.95496E-06	0.000209529	0.00039398	0.001420338	0.001297902
2047 Nov	0.028297272	7.67423E-06	1.553067207	10.84030151	0.035960004	0.00077564	22.19637489	0.003694671	0.004839603	6.98976E-05	0.000619849	0.000262841	0.10961052	1.95481E-06	0.000209597	0.000394056	0.001420447	0.001298253
2047 Dec	0.028298842	7.67456E-06	1.5531286	10.84069252	0.035961326	0.000775671	22.1971817	0.003694807	0.004839844	6.99002E-05	0.000619871	0.00026285	0.109614819	1.95489E-06	0.000209605	0.000394071	0.001420504	0.001298299
2048 Jan	0.028299905	7.6747E-06	1.553156018	10.84085178	0.03596209	0.000775683	22.19750214	0.003694862	0.004839951	6.99024E-05	0.000619879	0.000262854	0.109616838	1.95493E-06	0.000209608	0.000394079	0.001420527	0.001298316
2048 Feb	0.028301319	7.67492E-06	1.553202748	10.84115124	0.035963401	0.000775704	22.19810677	0.003694963	0.004840103	6.99059E-05	0.000619896	0.000262861	0.109620266	1.95498E-06	0.000209614	0.000394093	0.001420567	0.00129835
2048 Mar	0.028301798	7.67496E-06	1.553212166	10.84120178	0.035963736	0.000775707	22.19820976	0.003694981	0.004840135	6.99071E-05	0.000619899	0.000262863	0.109621011	1.95499E-06	0.000209615	0.000394097	0.001420575	0.001298356
2048 Apr	0.028311959	7.67749E-06	1.553721309	10.84478664	0.035976175	0.000775963	22.20529938	0.0036962	0.004841697	6.99322E-05	0.000620103	0.000262949	0.109657623	1.95561E-06	0.000209684	0.000394232	0.001421033	0.001298784
2048 May	0.028351456	7.68808E-06	1.555862546	10.85974026	0.036026072	0.000777032	22.23580742	0.003701295	0.00484836	7.00299E-05	0.000620958	0.000263311	0.109809056	1.9583E-06	0.000209973	0.000394778	0.001422988	0.001300574
2048 Jun	0.028400099	7.63943E-06	1.542616248	10.72875881	0.035619751	0.000767648	21.85647202	0.003661307	0.004846166	6.97025E-05	0.000614227	0.000260287	0.108666137	1.95138E-06	0.000207566	0.000392325	0.001418461	0.001283908
2048 Jul	0.028115524	7.43619E-06	1.515573978	10.39452839	0.034503676	0.000743701	21.11618423	0.003555885	0.004838573	6.89981E-05	0.000594664	0.000252694	0.105809435	1.95013E-06	0.000201082	0.000382527	0.001400835	0.001240096
2048 Aug	0.027490878	7.14579E-06	1.487826943	9.990318298	0.033115733	0.000714883	20.34827614	0.003422225	0.004820158	6.73199E-05	0.000569629	0.000243521	0.102519125	1.95644E-06	0.000193019	0.000368389	0.001376197	0.001186125
2048 Sep	0.026804144	6.86442E-06	1.46291852	9.608038902	0.031788435	0.000687653	19.62820244	0.003290973	0.004797917	6.54379E-05	0.000545861	0.000234734	0.099486142	1.95771E-06	0.000185335	0.000354473	0.001350999	0.001134992
2048 Oct	0.026491025	6.72805E-06	1.450870991	9.419376373	0.031128576	0.00067436	19.2719059	0.003226192	0.004792884	6.48382E-05	0.000534131	0.000230367	0.097985499	1.95675E-06	0.000181559	0.000347658	0.001338036	0.00110979
2048 Nov	0.0265122	6.73027E-06	1.450915217	9.419053078	0.031127907	0.000674476	19.26850891	0.003226167	0.004794959	6.48237E-05	0.000534093	0.000230355	0.097993746	1.95678E-06	0.000181569	0.000347666	0.001338074	0.001109719
2048 Dec	0.026513524	6.73053E-06	1.450965285	9.419346809	0.0311289	0.0006745	19.26911545	0.00322627	0.004795168	6.48258E-05	0.00053411	0.000230362	0.097997114	1.95685E-06	0.000181575	0.000347678	0.00133812	0.001109752
2049 Jan	0.026514243	6.73058E-06	1.450976729	9.419394493	0.031129271	0.000674504	19.26920891	0.003226286	0.004795223	6.48272E-05	0.000534112	0.000230363	0.097997978	1.95686E-06	0.000181576	0.000347682	0.001338129	0.001109756
2049 Feb	0.02651494	6.73062E-06	1.45098722	9.419441223	0.031129709	0.000674507	19.26929665	0.003226302	0.004795263	6.48289E-05	0.000534114	0.000230364	0.097998828	1.95687E-06	0.000181577	0.000347686	0.001338136	0.00110976
2049 Mar	0.026516901	6.73105E-06	1.451079369	9.420028687	0.031131804	0.000674548	19.27049637	0.003226503	0.00479557	6.48338E-05	0.000534147	0.000230378	0.098005123	1.95699E-06	0.000181588	0.00034771	0.00133822	0.001109829
2049 Apr	0.026525661	6.73323E-06	1.451550245	9.423077583	0.031141972	0.000674767	19.2767334	0.003227548	0.004797128	6.48552E-05	0.00053432	0.000230453	0.098036975	1.95763E-06	0.000181647	0.000347823	0.001338654	0.001110187
2049 May	0.026571685	6.74288E-06	1.453578115	9.436247826	0.031190131	0.000675702	19.30223465	0.003232056	0.004803854	6.49876E-05	0.000535068	0.000230774	0.098178394	1.96024E-06	0.0001819	0.000348359	0.001340508	0.001111725
2049 Jun	0.02670305	6.69542E-06	1.440748096	9.305099487	0.030824365	0.000666299	18.99190712	0.003191731	0.004803273	6.50281E-05	0.000528248	0.000227743	0.097092077	1.95286E-06	0.000179479	0.000346248	0.001335758	0.001094821
2049 Jul	0.02646732	6.53321E-06	1.420223236	9.048581123	0.029970866	0.000647918	18.47805214	0.003110727	0.004796091	6.46025E-05	0.000513036	0.000221923	0.094901294	1.95249E-06	0.000174478	0.000338519	0.001321387	0.001061116
2049 Aug	0.026046112	6.3266E-06	1.403141975	8.767961502	0.029007167	0.000627744	17.9786911	0.003018117	0.004793283	6.35553E-05	0.000495512	0.000215604	0.092665531	1.96296E-06	0.000168842	0.000328811	0.001306297	0.001023227
2049 Sep	0.025559738	6.12598E-06	1.385353565	8.495693207	0.028064158	0.000608423	17.48178673	0.002924296	0.004776465	6.21428E-05	0.000478543	0.000209335	0.090516739	1.96347E-06	0.000163372	0.000318855	0.001288058	0.000986787
2049 Oct	0.025494408	6.08767E-06	1.381235123	8.436660767	0.02785971	0.000604518	17.36791611	0.002904103	0.004776028	6.19172E-05	0.000474862	0.00020795	0.090055287	1.96198E-06	0.000162224	0.000316741	0.001283627	0.000978934
2049 Nov	0.025506059	6.08909E-06	1.381346703	8.437030792	0.027861189	0.000604608	17.36764145	0.002904271	0.004777319	6.19153E-05	0.000474873	0.000207958	0.090064883	1.96213E-06	0.000162239	0.000316766	0.00128373	0.000978959
2049 Dec	0.025507422	6.08936E-06	1.381403089	8.43735218	0.027862264	0.000604633	17.36830521	0.002904384	0.004777548	6.19177E-05	0.000474891	0.000207965	0.090068556	1.96221E-06	0.000162245	0.000316778	0.001283782	0.000978996
2050 Jan	0.025508152	6.08944E-06	1.381420255	8.437438011	0.027862724	0.00060464	17.36848068	0.002904414	0.004777621	6.19192E-05	0.000474895	0.000207967	0.090069771	1.96223E-06	0.000162247	0.000316784	0.001283797	0.000979004
2050 Feb	0.025508717	6.08947E-06	1.381429076	8.437475204	0.027863072	0.000604642	17.36855125	0.002904427	0.004777655	6.19206E-05	0.000474897	0.000207968	0.090070456	1.96224E-06	0.000162248	0.000316787	0.001283803	0.000979008
2050 Mar	0.025509261	6.08954E-06	1.381446362	8.437573433	0.027863519	0.000604649	17.36875153	0.00290446	0.004777716	6.1922E-05	0.000474903	0.000207971	0.090071656	1.96226E-06	0.000162249	0.000316792	0.001283818	0.000979018
2050 Apr	0.025515255	6.09094E-06	1.381764412	8.439510345	0.027869986	0.000604788	17.37273598	0.002905127	0.004778817	6.19365E-05	0.000475012	0.000208018	0.090092421	1.96272E-06	0.000162287	0.000316866	0.001284113	0.000979243
2050 May	0.025548941	6.09764E-06	1.383274674	8.448521614	0.027902618	0.000605429	17.3911171	0.002908234	0.004784152	6.20302E-05	0.000475518	0.000208241	0.090192392	1.96482E-06	0.00016246	0.000317238	0.001285512	0.000980273
2050 Jun	0.025879342	6.10723E-06	1.379573703	8.410703659	0.027900863	0.000602642	17.29168701	0.002897306	0.004793266	6.28452E-05	0.000473986	0.000207352	0.089998223	1.96017E-06	0.000161821	0.000318338	0.001286363	0.000975137
2050 Jul	0.025990751	6.11403E-06	1.376252413	8.387774467	0.027847389	0.000601085	17.21961975	0.002890727	0.004794385	6.28192E-05	0.000473095	0.000206796	0.089808099	1.95605E-06	0.000161459	0.000318315	0.00128607	0.000972376
2050 Aug	0.026090708	6.13542E-06	1.380178094	8.412507057	0.027930245	0.000602924	17.26276398	0.002899377	0.004809322	6.30007E-05	0.000474495	0.000207402	0.090077035	1.96146E-06	0.000161948	0.000319215	0.001289798	0.000975261
2050 Sep	0.026133042	6.14245E-06	1.380563378	8.414952278	0.027938941	0.000603375	17.25789261	0.002900403	0.004813337	6.29733E-05	0.000474603	0.000207455	0.090120591	1.96169E-06	0.000162027	0.000319288	0.001290124	0.000975527
2050 Oct	0.026162082	6.14769E-06	1.381456733	8.420137405	0.027956385	0.000603831	17.26668549	0.002902239	0.004817566	6.30039E-05	0.000474884	0.00020758	0.090182714	1.96292E-06	0.000162137	0.000319495	0.001290953	0.000976111
2050 Nov	0.026170339	6.14958E-06	1.381873727	8.422660828	0.027964776	0.000604014	17.27183914	0.00290311	0.004819056	6.30227E-05	0.000475026	0.000207642	0.090209983	1.96351E-06	0.000162186	0.000319591	0.001291343	0.000976403
2050 Dec	0.026171518	6.14982E-06	1.381925464	8.422961235	0.027965786	0.000604037	17.27245712	0.002903215	0.004819257	6.30249E-05	0.000475042	0.000207649	0.090213351	1.96359E-06	0.000162192	0.000319603	0.001291391	0.000976437
2051 Jan	0.026172101	6.1499E-06	1.381943226	8.42305851	0.027966211	0.000604044	17.27265549	0.002903248	0.004819327	6.30262E-05	0.000475048	0.000207652	0.090214573	1.96361E-06	0.000162194	0.000319608	0.001291407	0.000976448
2051 Feb	0.02617259	6.14996E-06	1.381955981	8.423126221	0.027966576	0.000604049	17.27279091	0.002903272	0.004819374	6.30274E-05	0.000475051	0.000207653	0.090215482	1.96363E-06	0.000162195	0.000319612	0.001291418	0.000976455
2051 Mar	0.026173754	6.1502E-06	1.382010341	8.423453331	0.027967734	0.000604072	17.27346039	0.002903384	0.004819565	6.30302E-05	0.00047507	0.000207661	0.090219066	1.9637E-06	0.000162201	0.000319625	0.001291468	0.000976492
2051 Apr	0.026182557	6.15225E-06	1.382471204	8.426258087	0.027977094	0.000604273	17.27921104	0.002904351	0.004821172	6.30514E-05	0.000475228	0.00020773	0.090249173	1.96436E-06	0.000162255	0.000319732	0.001291898	0.000976817
2051 May	0.026257722	6.16083E-06	1.384350181	8.436184883	0.028029708	0.000604957	17.29860687	0.00290781	0.004828508	6.33155E-05	0.000475782	0.000207978	0.090381652	1.96679E-06	0.000162443	0.00032034	0.00129362	0.000977862
2051 Jun	0.026875032	6.16345E-06	1.377689123	8.368671417	0.028089784	0.000599815	17.12206078	0.002887173	0.004835453	6.54308E-05	0.000472637	0.000206378	0.090081602	1.956E-06	0.000161226	0.000322342	0.001292062	0.000968457
2051 Jul	0.026990296	6.18072E-06	1.378445148	8.373019218	0.02811815	0.000600159	17.11091423	0.002889468	0.004845293	6.55321E-05	0.000473175	0.000206488	0.090153463	1.95724E-06	0.00016136	0.000323085	0.001294671	0.000968947
2051 Aug	0.027082328	6.19825E-06	1.380593419	8.386054993	0.028163701	0.000601351	17.12387276	0.002894299	0.004855857	6.56038E-05	0.000473892	0.000206809	0.090315334	1.96003E-06	0.000161643	0.00032351	0.001296748	0.000970443
2051 Sep	0.027117111	6.1992E-06	1.378703594	8.374158859	0.02812436	0.000601044	17.08234024	0.002890518	0.00485528	6.54304E-05	0.000473153	0.000206497	0.090223469	1.95686E-06	0.000161478	0.000323052	0.001294904	0.000969004
2051 Oct	0.027171204	6.1895E-06	1.373100758	8.334178925	0.027994022	0.000599293	16.98282623	0.002877437	0.004851393	6.50375E-05	0.000470725	0.000205478	0.089893162	1.94881E-06	0.00016084	0.000321693	0.001289606	0.000964067
2051 Nov	0.027191032	6.19106E-06	1.373080134	8.332984924	0.027990725	0.00059934	16.97934151	0.002877122	0.004853355	6.50237E-05	0.000470635	0.000205446	0.089894168	1.94882E-06	0.000160832	0.000321676	0.00128959	0.00096388
2051 Dec	0.027192321	6.1913E-06	1.373128533	8.33325386	0.027991643	0.000599362	16.97989273	0.002877216	0.00485356	6.50258E-05	0.00047065	0.000205453	0.08989732	1.94889E-06	0.000160838	0.000321687	0.001289636	0.00096391
2052 Jan	0.027192879	6.19133E-06	1.373135448	8.333275795	0.0279919	0.000599364	16.9799366	0.002877224	0.004853599	6.50269E-05	0.000470651	0.000205453	0.089897878	1.9489E-06	0.000160838	0.00032169	0.001289641	0.000963911
2052 Feb	0.027193867	6.19145E-06	1.373163939	8.333432198	0.027992664	0.000599375	16.9802494	0.002877278	0.004853703	6.50293E-05	0.00047066	0.000205457	0.08989986	1.94894E-06	0.000160841	0.000321698	0.001289666	0.000963928
2052 Mar	0.0271965	6.192E-06	1.373285413	8.334161758	0.027995242	0.000599427	16.98173141	0.00287753	0.004854134	6.50357E-05	0.000470701	0.000205475	0.089907885	1.94911E-06	0.000160855	0.000321728	0.001289779	0.000964012
2052 Apr	0.027201748	6.19316E-06	1.373544097	8.335725784	0.028000567	0.000599539	16.98491669	0.00287807	0.004855049	6.50482E-05	0.000470789	0.000205513	0.089924857	1.94948E-06	0.000160886	0.000321789	0.001290021	0.000964192
2052 May	0.02733341	6.20064E-06	1.375047922	8.341265678	0.028070351	0.000599862	16.99260712	0.002880065	0.004862189	6.55829E-05	0.00047109	0.000205656	0.090050869	1.95092E-06	0.000160985	0.000322599	0.00129133	0.000964569
2052 Jun	0.027820487	6.21473E-06	1.37540555	8.326472282	0.028232433	0.000598521	16.94085884	0.002876031	0.00487761	6.74634E-05	0.000470454	0.000205326	0.0901829	1.9494E-06	0.00016071	0.000324918	0.001293008	0.000961733
2052 Jul	0.027958935	6.23809E-06	1.37833035	8.344236374	0.028298292	0.000599881	16.96188927	0.002882651	0.004892984	6.76489E-05	0.000471548	0.000205763	0.090394706	1.95359E-06	0.000161088	0.000325732	0.001296464	0.000963773
2052 Aug	0.028047377	6.25669E-06	1.381313682	8.363280296	0.028363084	0.000601386	16.98991394	0.002889394	0.004904961	6.7775E-05	0.000472621	0.000206229	0.090607576	1.95753E-06	0.000161474	0.000326408	0.001299296	0.000965998
2052 Sep	0.028086932	6.26279E-06	1.38137269	8.363688469	0.028364539	0.000601729	16.97954369	0.002889736	0.004908211	6.77227E-05	0.000472608	0.00020623	0.090631254	1.95728E-06	0.000161518	0.000326396	0.001299306	0.000966024
2052 Oct	0.028115999	6.26627E-06	1.381523967	8.364092827	0.028366124	0.000601944	16.976017	0.00288998	0.004911173	6.77049E-05	0.000472605	0.000206233	0.090649657	1.9574E-06	0.000161548	0.000326432	0.001299431	0.000966035
2052 Nov	0.028123815	6.26794E-06	1.381880879	8.366224289	0.028373374	0.000602101	16.98031044	0.002890719	0.004912497	6.7722E-05	0.000472725	0.000206286	0.090673134	1.95791E-06	0.00016159	0.000326516	0.001299767	0.00096628
2052 Dec	0.028125051	6.26818E-06	1.38193047	8.366509438	0.028374348	0.000602123	16.98089027	0.002890819	0.004912697	6.77243E-05	0.000472741	0.000206293	0.090676397	1.95798E-06	0.000161595	0.000326527	0.001299813	0.000966312

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.028125705	6.26826E-06	1.381948471	8.366604805	0.028374797	0.00060213	16.98108292	0.002890852	0.004912771	6.77257E-05	0.000472746	0.000206295	0.090677641	1.958E-06	0.000161597	0.000326532	0.001299829	0.000966322
2053 Feb	0.028126922	6.26847E-06	1.381994486	8.366871834	0.028375864	0.000602149	16.98162079	0.002890944	0.004912936	6.77286E-05	0.000472761	0.000206302	0.090680741	1.95807E-06	0.000161602	0.000326544	0.001299871	0.000966352
2053 Mar	0.028130371	6.2692E-06	1.382156253	8.367845535	0.028379252	0.000602219	16.98359489	0.002891281	0.004913513	6.77369E-05	0.000472816	0.000206326	0.090691403	1.95829E-06	0.000161621	0.000326583	0.001300022	0.000966464
2053 Apr	0.028140619	6.27146E-06	1.382655501	8.370864868	0.028389543	0.000602436	16.9897213	0.002892324	0.004915288	6.77616E-05	0.000472986	0.0002064	0.090724185	1.959E-06	0.000161679	0.000326702	0.001300492	0.000966813
2053 May	0.028459428	6.28224E-06	1.384739041	8.372850418	0.028535247	0.000602375	16.98687172	0.002893263	0.004928002	6.91198E-05	0.00047306	0.000206468	0.090929992	1.96026E-06	0.000161697	0.00032841	0.001302188	0.000966296
2053 Jun	0.029165179	6.28272E-06	1.381866217	8.330256462	0.028753083	0.000598794	16.86381531	0.002879668	0.004935149	7.22101E-05	0.000470784	0.000205463	0.090942316	1.95166E-06	0.000160856	0.000331292	0.00130015	0.000959537
2053 Jul	0.029281558	6.30616E-06	1.385677338	8.354431152	0.028840367	0.000600542	16.9012146	0.002888299	0.00495103	7.24224E-05	0.000472272	0.000206056	0.091208301	1.95692E-06	0.000161343	0.000332445	0.001304459	0.00096236
2053 Aug	0.029412422	6.33469E-06	1.391355872	8.389671326	0.028961387	0.000603149	16.96579742	0.002900543	0.004971698	7.27006E-05	0.000474264	0.000206922	0.091593154	1.9647E-06	0.000162033	0.000333799	0.001309797	0.000966451
2053 Sep	0.029490769	6.35213E-06	1.3949157	8.411823273	0.029037261	0.000604784	17.00692368	0.002908216	0.004984451	7.28726E-05	0.000475515	0.000207466	0.091833837	1.96957E-06	0.000162466	0.000334654	0.001313127	0.000969024
2053 Oct	0.029514715	6.35727E-06	1.395836115	8.417874336	0.029057622	0.000605262	17.01636505	0.002910312	0.004988033	7.29101E-05	0.000475854	0.000207612	0.091899619	1.97075E-06	0.000162588	0.000334885	0.001313976	0.000969733
2053 Nov	0.02952062	6.35792E-06	1.395808697	8.417664528	0.029056823	0.000605296	17.01455498	0.002910264	0.004988531	7.29008E-05	0.000475836	0.000207605	0.091900446	1.97067E-06	0.00016259	0.000334879	0.001313944	0.000969702
2053 Dec	0.029521437	6.35805E-06	1.395833015	8.417788506	0.029057266	0.000605307	17.01481056	0.002910309	0.00498865	7.29019E-05	0.000475843	0.000207608	0.091902047	1.97071E-06	0.000162593	0.000334885	0.001313967	0.000969716
2054 Jan	0.029522045	6.3581E-06	1.395843387	8.417832375	0.029057587	0.00060531	17.01489639	0.002910325	0.0049887	7.29031E-05	0.000475845	0.000207609	0.091902807	1.97072E-06	0.000162594	0.000334888	0.001313975	0.00096972
2054 Feb	0.029522926	6.3582E-06	1.395866752	8.417959213	0.029058242	0.000605319	17.01514816	0.002910368	0.004988787	7.29053E-05	0.000475852	0.000207612	0.091904469	1.97075E-06	0.000162596	0.000334896	0.001313995	0.000969733
2054 Mar	0.029523376	6.35825E-06	1.395878196	8.418020248	0.029058572	0.000605323	17.01526642	0.002910389	0.004988829	7.29064E-05	0.000475855	0.000207613	0.091905273	1.97077E-06	0.000162597	0.000334899	0.001314005	0.00096974
2054 Apr	0.029532688	6.36022E-06	1.396312833	8.420636177	0.029067671	0.000605511	17.0205555	0.002911293	0.004990383	7.29294E-05	0.000476003	0.000207678	0.091933928	1.97138E-06	0.000162648	0.000335004	0.001314413	0.00097004
2054 May	0.029635938	6.36841E-06	1.398017883	8.428544998	0.029129036	0.000606029	17.03417587	0.002914082	0.004997668	7.33252E-05	0.000476442	0.000207877	0.092064351	1.97333E-06	0.000162795	0.000335715	0.001315947	0.000970775
2054 Jun	0.030191414	6.36826E-06	1.394199848	8.384600639	0.029261472	0.000602488	16.9113884	0.002900263	0.005002003	7.56105E-05	0.000474233	0.000206835	0.091967143	1.96493E-06	0.000161961	0.00033782	0.001314085	0.000964256
2054 Jul	0.030281346	6.3785E-06	1.393172503	8.377799034	0.029248681	0.000602075	16.8773365	0.002898739	0.005006267	7.5611E-05	0.000474087	0.000206669	0.091921963	1.96375E-06	0.000161883	0.000337975	0.001314782	0.000963446
2054 Aug	0.030360198	6.39455E-06	1.395179749	8.390501976	0.029292626	0.000603232	16.8896122	0.002903391	0.005015539	7.56688E-05	0.000474787	0.000206981	0.092075318	1.96624E-06	0.000162157	0.000338386	0.001316681	0.000964922
2054 Sep	0.030407675	6.40355E-06	1.396039128	8.395429611	0.029309645	0.000603849	16.89054489	0.002905305	0.00502085	7.56606E-05	0.000475035	0.0002071	0.092146747	1.96722E-06	0.00016228	0.000338533	0.00131746	0.000965471
2054 Oct	0.030427113	6.40405E-06	1.395277262	8.390177727	0.029291058	0.00060374	16.87370872	0.002903635	0.005021557	7.55774E-05	0.0004747	0.00020696	0.092108443	1.96602E-06	0.000162211	0.000338342	0.001316712	0.000964819
2054 Nov	0.030436115	6.40433E-06	1.395024657	8.388166428	0.029284153	0.000603699	16.86791039	0.002903003	0.005022085	7.55492E-05	0.000474571	0.000206907	0.092095181	1.96565E-06	0.000162184	0.000338274	0.001316468	0.000964561
2054 Dec	0.030437926	6.40466E-06	1.395092607	8.388549805	0.029285505	0.000603729	16.86868477	0.002903138	0.005022365	7.55526E-05	0.000474592	0.000206917	0.092099652	1.96575E-06	0.000162192	0.00033829	0.001316532	0.000964604
2055 Jan	0.030438531	6.4047E-06	1.395100713	8.388578415	0.02928579	0.000603732	16.86874008	0.002903148	0.005022408	7.55538E-05	0.000474593	0.000206917	0.092100285	1.96576E-06	0.000162192	0.000338293	0.001316538	0.000964606
2055 Feb	0.030439107	6.40473E-06	1.395107746	8.388604164	0.029286124	0.000603733	16.86878777	0.002903157	0.005022436	7.55552E-05	0.000474594	0.000206918	0.092100874	1.96576E-06	0.000162193	0.000338297	0.001316542	0.000964608
2055 Mar	0.030440336	6.40494E-06	1.395153642	8.388871193	0.029287187	0.000603752	16.86932182	0.002903249	0.005022603	7.55583E-05	0.000474609	0.000206924	0.092103973	1.96582E-06	0.000162198	0.000338309	0.001316584	0.000964638
2055 Apr	0.030448234	6.40657E-06	1.395509601	8.391005516	0.029294716	0.000603906	16.87361336	0.002903988	0.005023885	7.55779E-05	0.00047473	0.000206977	0.092127509	1.96632E-06	0.000162239	0.000338396	0.00131692	0.000964883
2055 May	0.03048135	6.41352E-06	1.397024632	8.400113106	0.029326545	0.000604561	16.89192581	0.00290714	0.00502934	7.56601E-05	0.000475245	0.000207202	0.092227541	1.96846E-06	0.000162415	0.000338763	0.001318349	0.00096593
2055 Jun	0.030641422	6.41653E-06	1.389840961	8.344213486	0.029181961	0.000600602	16.75488091	0.002890661	0.005030545	7.55078E-05	0.000473003	0.00020587	0.091750987	1.96098E-06	0.000161483	0.000338708	0.001318157	0.000959087
2055 Jul	0.030775936	6.43346E-06	1.389750361	8.340886116	0.029188771	0.000600408	16.72905159	0.00289066	0.005040938	7.55877E-05	0.000473196	0.0002058	0.091759861	1.96155E-06	0.000161485	0.00033938	0.001320694	0.000958612
2055 Aug	0.030892638	6.45766E-06	1.394258022	8.368925095	0.029286258	0.000602501	16.77783775	0.002900466	0.005058038	7.58187E-05	0.000474787	0.000206488	0.092069484	1.9677E-06	0.000162039	0.000340465	0.001324991	0.000961863
2055 Sep	0.030931765	6.46518E-06	1.394788742	8.372326851	0.029297467	0.000603003	16.77472115	0.002901826	0.005062012	7.57909E-05	0.00047495	0.000206567	0.092121251	1.96815E-06	0.000162133	0.000340544	0.001325445	0.000962251
2055 Oct	0.030957861	6.46976E-06	1.395457029	8.376426697	0.029311422	0.000603389	16.77994156	0.002903285	0.005065453	7.58108E-05	0.000475171	0.000206664	0.092171043	1.969E-06	0.000162223	0.00034071	0.001326061	0.000962716
2055 Nov	0.030966887	6.47136E-06	1.395722985	8.377988815	0.029316835	0.000603526	16.78244209	0.002903839	0.005066713	7.58213E-05	0.000475256	0.000206702	0.092189804	1.96936E-06	0.000162257	0.000340774	0.00132631	0.000962892
2055 Dec	0.030968113	6.47158E-06	1.395760417	8.378211021	0.029317608	0.000603545	16.78280258	0.002903917	0.005066886	7.58228E-05	0.000475269	0.000206707	0.092192441	1.96941E-06	0.000162261	0.000340783	0.001326345	0.000962917
2056 Jan	0.030969087	6.47168E-06	1.395780563	8.378307343	0.029318172	0.000603552	16.78299141	0.002903951	0.005066976	7.58248E-05	0.000475274	0.000206709	0.092193894	1.96943E-06	0.000162263	0.00034079	0.001326362	0.000962927
2056 Feb	0.030970022	6.47175E-06	1.395799041	8.378397942	0.029318793	0.000603558	16.78316689	0.002903982	0.005067046	7.58271E-05	0.000475278	0.000206711	0.092195265	1.96945E-06	0.000162265	0.000340797	0.001326377	0.000962935
2056 Mar	0.030971697	6.47204E-06	1.395861626	8.378762245	0.029320233	0.000603584	16.78389168	0.002904108	0.005067275	7.58313E-05	0.000475299	0.00020672	0.092199482	1.96954E-06	0.000162272	0.000340813	0.001326434	0.000962976
2056 Apr	0.030981224	6.47399E-06	1.396283865	8.381290436	0.029329171	0.000603766	16.78895569	0.002904984	0.005068809	7.58546E-05	0.000475442	0.000206783	0.092227422	1.97013E-06	0.000162321	0.000340917	0.001326835	0.000963267
2056 May	0.031208834	6.48399E-06	1.398287296	8.386292458	0.029440183	0.000603988	16.79428482	0.002906881	0.00507948	7.68029E-05	0.000475699	0.000206919	0.09240599	1.97181E-06	0.000162403	0.000342214	0.001328537	0.000963342
2056 Jun	0.031881031	6.48405E-06	1.395786524	8.347360611	0.029655753	0.00060067	16.68130875	0.002894392	0.005086157	7.97902E-05	0.000473594	0.000206001	0.09243492	1.96382E-06	0.000161626	0.000345001	0.001326587	0.000957088
2056 Jul	0.032029063	6.51169E-06	1.400483489	8.375687599	0.02975955	0.000602739	16.72903442	0.002904507	0.005106044	8.00738E-05	0.000475287	0.000206699	0.092756711	1.97046E-06	0.000162195	0.000346305	0.001331638	0.000960342
2056 Aug	0.032137316	6.53281E-06	1.403900504	8.397066116	0.029834749	0.000604397	16.76143074	0.002912093	0.005120111	8.02496E-05	0.000476498	0.000207223	0.092999004	1.97504E-06	0.000162628	0.000347108	0.001334932	0.000962819
2056 Sep	0.032211568	6.54772E-06	1.406580687	8.413689613	0.029892687	0.000605718	16.78888512	0.00291791	0.005130885	8.03728E-05	0.000477429	0.000207628	0.093186766	1.9786E-06	0.000162964	0.000347768	0.001337443	0.000964737
2056 Oct	0.032222055	6.54743E-06	1.405668616	8.408187866	0.029872013	0.000605575	16.77052879	0.002916118	0.005130504	8.02743E-05	0.000477083	0.000207481	0.09314023	1.97711E-06	0.000162888	0.00034754	0.001336529	0.000964081
2056 Nov	0.032229953	6.54833E-06	1.405673862	8.408071518	0.029871475	0.000605626	16.76893997	0.00291611	0.005131281	8.02646E-05	0.000477068	0.000207475	0.093143165	1.97709E-06	0.000162893	0.000347539	0.001336527	0.000964057
2056 Dec	0.032231297	6.54856E-06	1.405718803	8.40831852	0.029872365	0.000605646	16.76943398	0.002916197	0.005131479	8.0267E-05	0.000477082	0.000207482	0.093146145	1.97716E-06	0.000162898	0.00034755	0.00133657	0.000964085
2057 Jan	0.032232162	6.54865E-06	1.405738831	8.408417702	0.029872896	0.000605653	16.76963043	0.002916232	0.005131566	8.02688E-05	0.000477087	0.000207484	0.093147561	1.97718E-06	0.0001629	0.000347556	0.001336587	0.000964095
2057 Feb	0.032232892	6.54871E-06	1.405753255	8.408488274	0.029873379	0.000605658	16.76976776	0.002916256	0.00513162	8.02706E-05	0.000477091	0.000207486	0.093148626	1.9772E-06	0.000162901	0.000347561	0.001336599	0.000964102
2057 Mar	0.032235727	6.54924E-06	1.405867457	8.409162521	0.029875902	0.000605706	16.77111053	0.00291649	0.005132039	8.02777E-05	0.000477129	0.000207502	0.093156263	1.97736E-06	0.000162914	0.00034759	0.001336706	0.000964178
2057 Apr	0.032246191	6.55134E-06	1.406318426	8.411855698	0.02988554	0.0006059	16.77647781	0.002917423	0.005133685	8.03038E-05	0.000477282	0.000207569	0.09318617	1.97799E-06	0.000162966	0.000347702	0.001337134	0.000964487
2057 May	0.032339796	6.56121E-06	1.40840137	8.422560692	0.029947111	0.000606636	16.79663086	0.002921177	0.005142132	8.06332E-05	0.000477882	0.000207836	0.093335815	1.98063E-06	0.00016317	0.00034842	0.001339063	0.000965588
2057 Jun	0.032820459	6.56298E-06	1.403770566	8.374239922	0.030013558	0.00060287	16.6684742	0.002906356	0.005147268	8.23754E-05	0.000475626	0.000206692	0.093143962	1.97267E-06	0.000162288	0.000350107	0.001337946	0.000958763
2057 Jul	0.032951571	6.58602E-06	1.4068712	8.3927145	0.030086219	0.000604221	16.69307518	0.002913253	0.005162997	8.25813E-05	0.000476852	0.00020715	0.093362451	1.97716E-06	0.000162677	0.000351201	0.001342057	0.000960879
2057 Aug	0.03313702	6.62372E-06	1.414570808	8.439608574	0.030253254	0.000607631	16.78167725	0.00292955	0.005191307	8.30206E-05	0.000479519	0.000208304	0.093881212	1.9878E-06	0.000163591	0.000353122	0.001349391	0.00096628
2057 Sep	0.033198275	6.63669E-06	1.416802406	8.454129219	0.030303469	0.000608787	16.80348015	0.002934618	0.005200002	8.31179E-05	0.000480335	0.000208656	0.094041832	1.99064E-06	0.000163885	0.000353681	0.00135147	0.000967977
2057 Oct	0.033214469	6.63939E-06	1.41689539	8.455265999	0.03030622	0.000608995	16.800354	0.00293505	0.005201555	8.30945E-05	0.000480386	0.000208676	0.094058037	1.99057E-06	0.000163923	0.000353712	0.001351519	0.000968116
2057 Nov	0.03322373	6.64107E-06	1.417197943	8.457048416	0.030312542	0.000609141	16.80344963	0.002935677	0.005202876	8.31091E-05	0.000480485	0.00020872	0.094078951	1.99099E-06	0.000163959	0.000353787	0.001351804	0.000968317
2057 Dec	0.033225246	6.64134E-06	1.417251229	8.457346916	0.030313622	0.000609164	16.80404472	0.002935782	0.0052031	8.3112E-05	0.000480501	0.000208727	0.094082482	1.99106E-06	0.000163965	0.0003538	0.001351855	0.000968351
2058 Jan	0.033225697	6.64136E-06	1.417255998	8.457359314	0.030313814	0.000609166	16.80406761	0.002935786	0.005203129	8.31128E-05	0.000480502	0.000208727	0.094082877	1.99107E-06	0.000163965	0.000353802	0.001351859	0.000968351
2058 Feb	0.033226237	6.64139E-06	1.417264342	8.457396507	0.030314147	0.000609168	16.80413628	0.002935799	0.005203162	8.31142E-05	0.000480504	0.000208728	0.09408354	1.99108E-06	0.000163966	0.000353805	0.001351865	0.000968354
2058 Mar	0.033227269	6.64156E-06	1.417300582	8.457604408	0.030315002	0.000609183	16.80454826	0.002935871	0.005203295	8.31168E-05	0.000480515	0.000208733	0.094085991	1.99113E-06	0.00016397	0.000353815	0.001351898	0.000968378
2058 Apr	0.033233967	6.64287E-06	1.417581677	8.459278107	0.030321063	0.000609303	16.80787277	0.002936452	0.005204329	8.31335E-05	0.00048061	0.000208774	0.094104692	1.99152E-06	0.000164003	0.000353886	0.001352166	0.000968569
2058 May	0.033508752	6.65301E-06	1.419591188	8.46244812	0.030449761	0.000609357	16.80855179	0.002937755	0.005215903	8.42987E-05	0.000480755	0.000208869	0.094295166	1.99292E-06	0.000164046	0.000355391	0.001353819	0.000968303
2058 Jun	0.034362867	6.64188E-06	1.414023995	8.396531105	0.030694496	0.000603902	16.63114548	0.00291622	0.005216529	8.82217E-05	0.000477139	0.000207301	0.094187379	1.97904E-06	0.000162734	0.000358593	0.001348997	0.000958316
2058 Jul	0.034481864	6.66429E-06	1.417425394	8.417965889	0.030775238	0.000605458	16.6618557	0.002923954	0.00523151	8.84366E-05	0.000478481	0.000207827	0.094428711	1.98371E-06	0.000163171	0.000359683	0.001352992	0.000960808
2058 Aug	0.034607921	6.68911E-06	1.421989083	8.446234703	0.030876912	0.000607566	16.71009827	0.002933854	0.005249009	8.86998E-05	0.000480088	0.000208521	0.094745025	1.98987E-06	0.00016373	0.000360819	0.001357356	0.000964073
2058 Sep	0.034645934	6.69559E-06	1.4221977	8.448078156	0.030880833	0.000608011	16.70239067	0.002934644	0.005252701	8.86383E-05	0.000480156	0.000208554	0.094778992	1.9898E-06	0.000163802	0.000360844	0.001357479	0.000964284
2058 Oct	0.034677375	6.69788E-06	1.421934605	8.445905685	0.030871909	0.000608101	16.69268608	0.00293402	0.005254832	8.85764E-05	0.000479996	0.000208491	0.094771542	1.98934E-06	0.000163789	0.00036076	0.001357193	0.000963993
2058 Nov	0.034680486	6.69952E-06	1.422196269	8.447354317	0.030877134	0.000608235	16.69500732	0.00293454	0.00525618	8.85876E-05	0.000480074	0.000208526	0.094790004	1.98969E-06	0.000163821	0.000360824	0.00135744	0.000964152
2058 Dec	0.034681398	6.69966E-06	1.422221661	8.447484016	0.030877618	0.000608246	16.69526482	0.002934587	0.005256306	8.85889E-05	0.000480081	0.000208529	0.094791695	1.98973E-06	0.000163823	0.00036083	0.001357464	0.000964166
2059 Jan	0.034681857	6.69967E-06	1.422224998	8.447485924	0.030877793	0.000608247	16.69526672	0.002934588	0.005256332	8.85898E-05	0.000480081	0.000208529	0.094792001	1.98973E-06	0.000163823	0.000360832	0.001357466	0.000964165
2059 Feb	0.034682453	6.69971E-06	1.422233939	8.447524071	0.030878153	0.000608249	16.6953392	0.002934601	0.005256366	8.85913E-05	0.000480083	0.00020853	0.094792709	1.98974E-06	0.000163824	0.000360836	0.001357472	0.000964169
2059 Mar	0.034682777	6.69973E-06	1.422238827	8.447545052	0.03087835	0.00060825	16.69537735	0.002934608	0.005256386	8.85921E-05	0.000480084	0.000208531	0.094793089	1.98975E-06	0.000163824	0.000360838	0.001357476	0.00096417
2059 Apr	0.034691069	6.7013E-06	1.422574282	8.449532509	0.030885683	0.000608393	16.69930267	0.002935298	0.005257626	8.86132E-05	0.000480197	0.00020858	0.094815478	1.99022E-06	0.000163863	0.000360924	0.001357795	0.000964397
2059 May	0.034860283	6.71081E-06	1.424520254	8.456329346	0.030973708	0.000608788	16.70984077	0.00293777	0.005267065	8.92954E-05	0.000480564	0.000208756	0.094975479	1.99219E-06	0.000163985	0.000361953	0.00135951	0.000964833
2059 Jun	0.035418082	6.72337E-06	1.42568922	8.445070267	0.031194344	0.000607591	16.66480064	0.002934562	0.005282593	9.16728E-05	0.000479973	0.000208512	0.095191441	1.99061E-06	0.000163745	0.000364696	0.001360786	0.000962203
2059 Jul	0.035613537	6.76007E-06	1.432859182	8.48788929	0.031353753	0.000610679	16.74450493	0.002949583	0.005310393	9.21358E-05	0.000482464	0.000209568	0.095675789	2.00061E-06	0.000164585	0.00036663	0.001367982	0.000967095
2059 Aug	0.035769075	6.7903E-06	1.438935757	8.524768829	0.031488661	0.000613366	16.81295586	0.002962418	0.005332978	9.25122E-05	0.000484561	0.000210476	0.096088633	2.00894E-06	0.000165305	0.00036818	0.001373774	0.000971327
2059 Sep	0.03582957	6.80201E-06	1.440649986	8.535909653	0.031527098	0.000614358	16.82635689	0.00296636	0.005340823	9.25701E-05	0.000485174	0.000210742	0.096218251	2.01102E-06	0.000165543	0.000368609	0.00137535	0.000972619
2059 Oct	0.035817828	6.79278E-06	1.436608076	8.509698868	0.031427655	0.000613181	16.7607708	0.002957643	0.005334959	9.2179E-05	0.000483579	0.00021007	0.095974095	2.00518E-06	0.000165119	0.00036751	0.001371403	0.000969494
2059 Nov	0.035829544	6.79355E-06	1.436463356	8.50814724	0.031421926	0.000613184	16.75636101	0.002957179	0.005336047	9.21513E-05	0.000483472	0.000210029	0.095966958	2.005E-06	0.000165102	0.000367458	0.001371259	0.000969284

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.035830349	6.79366E-06	1.436483383	8.508243561	0.031422287	0.000613193	16.75655365	0.002957215	0.005336155	9.21523E-05	0.000483477	0.000210031	0.095968291	2.00503E-06	0.000165104	0.000367463	0.001371278	0.000969294
2060 Jan	0.035831198	6.79375E-06	1.436501503	8.508333206	0.031422794	0.0006132	16.75672722	0.002957246	0.005336236	9.21541E-05	0.000483482	0.000210033	0.095969588	2.00505E-06	0.000165106	0.000367469	0.001371294	0.000969303
2060 Feb	0.035832092	6.79384E-06	1.436521649	8.508435249	0.031423409	0.000613207	16.75692558	0.002957281	0.005336313	9.21564E-05	0.000483487	0.000210035	0.095971055	2.00508E-06	0.000165108	0.000367475	0.001371311	0.000969313
2060 Mar	0.03583381	6.79412E-06	1.436581731	8.50878334	0.03142482	0.000613232	16.75760651	0.002957402	0.005336537	9.21608E-05	0.000483507	0.000210044	0.095975131	2.00516E-06	0.000165115	0.000367492	0.001371367	0.000969352
2060 Apr	0.035845831	6.79637E-06	1.437058806	8.511604309	0.031435311	0.000613435	16.76316261	0.002958382	0.00533831	9.21917E-05	0.000483667	0.000210114	0.096007042	2.00583E-06	0.000165169	0.000367614	0.001371822	0.000969673
2060 May	0.036217511	6.80636E-06	1.438984036	8.510432243	0.031599693	0.000613096	16.7528553	0.002958263	0.005351354	9.381E-05	0.00048355	0.000210108	0.096216753	2.00649E-06	0.00016512	0.000369535	0.001373273	0.000968636
2060 Jun	0.036836904	6.80693E-06	1.437133074	8.47765255	0.031809501	0.000610236	16.65616798	0.002947716	0.005358002	9.6601E-05	0.000481756	0.000209338	0.096273661	1.99965E-06	0.000164456	0.000372178	0.001371677	0.000963237
2060 Jul	0.037033465	6.84321E-06	1.444041252	8.519088745	0.031965893	0.000613227	16.73117828	0.002962285	0.00538511	9.70637E-05	0.000484181	0.000210359	0.096744262	2.00922E-06	0.000165272	0.000374091	0.001378694	0.000967972
2060 Aug	0.037137296	6.86443E-06	1.447341204	8.540102959	0.03204098	0.000614935	16.75988388	0.002969748	0.005398404	9.72182E-05	0.000485361	0.000210874	0.096985079	2.01341E-06	0.000165702	0.000374877	0.001381806	0.000970415
2060 Sep	0.037126865	6.86168E-06	1.444252253	8.519769669	0.031961698	0.000614161	16.7024498	0.002963254	0.005393207	9.68406E-05	0.000484109	0.00021037	0.096804224	2.00886E-06	0.000165378	0.000373837	0.001378779	0.000968018
2060 Oct	0.037146322	6.86233E-06	1.443434715	8.513884544	0.031938098	0.000614067	16.68460464	0.002961389	0.005394388	9.67216E-05	0.000483726	0.000210214	0.096760951	2.00765E-06	0.000165303	0.000373591	0.001377959	0.000967285
2060 Nov	0.037151966	6.86209E-06	1.443056941	8.511057854	0.031927235	0.000613983	16.67734146	0.00296048	0.005394614	9.66748E-05	0.000483546	0.00021014	0.096738778	2.00713E-06	0.000165262	0.000373478	0.001377588	0.000966933
2060 Dec	0.037153766	6.86238E-06	1.44311285	8.511361122	0.031928387	0.000614008	16.67794037	0.002960587	0.005394862	9.66782E-05	0.000483563	0.000210148	0.096742518	2.00721E-06	0.000165268	0.000373492	0.001377642	0.000966967
2061 Jan	0.037154403	6.86242E-06	1.443120241	8.511382103	0.031928666	0.00061401	16.67797852	0.002960595	0.005394905	9.66794E-05	0.000483564	0.000210148	0.096743107	2.00721E-06	0.000165269	0.000373495	0.001377647	0.000966968
2061 Feb	0.037155051	6.86245E-06	1.443128109	8.51140976	0.031929042	0.000614012	16.67803192	0.002960605	0.005394937	9.6681E-05	0.000483565	0.000210149	0.096743762	2.00722E-06	0.000165269	0.000373499	0.001377652	0.00096697
2061 Mar	0.037156168	6.8626E-06	1.443161964	8.511601448	0.031929899	0.000614025	16.67840004	0.002960671	0.005395065	9.66839E-05	0.000483575	0.000210153	0.096746102	2.00727E-06	0.000165273	0.000373509	0.001377683	0.00096699
2061 Apr	0.037168149	6.86479E-06	1.443621993	8.514307976	0.031940136	0.00061422	16.68370438	0.002961612	0.005396785	9.67151E-05	0.000483729	0.00021022	0.096776985	2.0079E-06	0.000165326	0.000373629	0.001378121	0.000967298
2061 May	0.037566744	6.87527E-06	1.445685744	8.512705803	0.032115228	0.000613831	16.67308998	0.002961374	0.0054109	9.84506E-05	0.000483582	0.000210207	0.096999653	2.00868E-06	0.000165265	0.00037568	0.001379685	0.000966135
2061 Jun	0.038117588	6.86099E-06	1.440204382	8.459549904	0.032258108	0.000609471	16.52893639	0.002943791	0.005404305	0.000101082	0.000480681	0.00020893	0.096828967	1.99642E-06	0.00016421	0.00037758	0.001374834	0.000958431
2061 Jul	0.038314149	6.89616E-06	1.446597576	8.497826576	0.032404732	0.000612247	16.5957222	0.002957326	0.005430205	0.000101528	0.000482934	0.000209873	0.097268417	2.00526E-06	0.000164969	0.000379381	0.001381431	0.000962796
2061 Aug	0.038482845	6.92733E-06	1.452760458	8.535051346	0.032544814	0.00061496	16.66363525	0.002970303	0.00545345	0.000101944	0.000485053	0.00021079	0.097690545	2.01364E-06	0.000165697	0.00038099	0.001387313	0.00096705
2061 Sep	0.038534254	6.93811E-06	1.454396844	8.546172142	0.032583587	0.000615893	16.67710114	0.002974203	0.005460104	0.000102009	0.000485675	0.000211056	0.097814791	2.01557E-06	0.000165928	0.000381409	0.001388815	0.000968359
2061 Oct	0.038498286	6.92823E-06	1.450592041	8.523118973	0.032490809	0.000614799	16.6183815	0.002966454	0.005452587	0.000101615	0.000484285	0.000210464	0.097583696	2.01E-06	0.000165548	0.000380361	0.001385087	0.000965679
2061 Nov	0.038498066	6.92636E-06	1.449647546	8.516689301	0.032465518	0.000614537	16.60270882	0.002964335	0.005451715	0.00010151	0.000483888	0.000210299	0.097525775	2.00869E-06	0.000165446	0.000380086	0.001384166	0.000964904
2061 Dec	0.038499419	6.92656E-06	1.449685454	8.516885757	0.032466281	0.000614554	16.60309601	0.002964405	0.005451896	0.000101512	0.000483899	0.000210304	0.097528316	2.00874E-06	0.00016545	0.000380096	0.001384203	0.000964925
2062 Jan	0.038500246	6.92663E-06	1.449700117	8.516949654	0.032466725	0.000614559	16.60321808	0.002964428	0.005451966	0.000101514	0.000483902	0.000210305	0.097529396	2.00876E-06	0.000165452	0.000380101	0.001384215	0.000964931
2062 Feb	0.038501222	6.92672E-06	1.449720144	8.517049789	0.032467373	0.000614566	16.60341072	0.002964463	0.005452044	0.000101517	0.000483907	0.000210308	0.097530879	2.00879E-06	0.000165454	0.000380108	0.001384231	0.000964941
2062 Mar	0.038505118	6.92737E-06	1.449857831	8.517849922	0.032470562	0.000614623	16.60496521	0.002964741	0.005452563	0.000101527	0.000483953	0.000210327	0.097540215	2.00897E-06	0.000165469	0.000380145	0.001384362	0.000965031
2062 Apr	0.038518272	6.92971E-06	1.45034802	8.520724297	0.0324816	0.00061483	16.610569	0.002965742	0.005454407	0.000101561	0.000484116	0.000210398	0.097573236	2.00965E-06	0.000165525	0.000380274	0.001384829	0.000965356
2062 May	0.038554553	6.93623E-06	1.451711774	8.5287323	0.032512169	0.000615408	16.62617874	0.002968529	0.005459536	0.000101657	0.000484571	0.000210596	0.09766499	2.01154E-06	0.00016568	0.000380632	0.001386131	0.000966263
2062 Jun	0.038645238	6.93773E-06	1.445814133	8.483913422	0.032378964	0.000612224	16.51898003	0.002955331	0.0054596	0.000101373	0.000482803	0.000209529	0.097260386	2.00573E-06	0.000164934	0.000380429	0.001386045	0.000960861
2062 Jul	0.038761619	6.95145E-06	1.444538116	8.472561836	0.032353446	0.000611457	16.47760201	0.002952769	0.005467615	0.000101337	0.00048261	0.000209265	0.097182848	2.00504E-06	0.000164792	0.00038085	0.001387987	0.000959459
2062 Aug	0.038847279	6.96739E-06	1.446179986	8.482514381	0.032388113	0.00061245	16.483284	0.002956566	0.00547668	0.000101377	0.00048315	0.00020951	0.097312763	2.00711E-06	0.000165019	0.00038114	0.001389593	0.000960599
2062 Sep	0.038864773	6.96982E-06	1.445230722	8.476854324	0.032362152	0.000612471	16.45975494	0.002954834	0.005477303	0.0001012	0.00048277	0.000209358	0.097270034	2.00548E-06	0.000164957	0.000380808	0.00138859	0.000959934
2062 Oct	0.038796011	6.9471E-06	1.437163711	8.424835205	0.032157768	0.000609938	16.33808708	0.002937396	0.005462652	0.000100392	0.000479617	0.000208033	0.096764356	1.99415E-06	0.000164089	0.000378523	0.001380685	0.000953782
2062 Nov	0.03881463	6.94904E-06	1.437321305	8.424848557	0.032158077	0.000610045	16.33768082	0.002937478	0.005464857	0.000100386	0.000479599	0.000208031	0.096775703	1.99444E-06	0.000164101	0.000378544	0.001380836	0.000953742
2062 Dec	0.038816098	6.94927E-06	1.437364697	8.425081253	0.032158975	0.000610064	16.33813667	0.002937561	0.005465056	0.000100389	0.000479611	0.000208037	0.096778616	1.9945E-06	0.000164106	0.000378555	0.001380877	0.000953768
2063 Jan	0.038816858	6.94934E-06	1.437378645	8.425143242	0.032159392	0.000610069	16.33825493	0.002937583	0.005465121	0.000100391	0.000479615	0.000208039	0.096779637	1.99452E-06	0.000164107	0.00037856	0.001380889	0.000953774
2063 Feb	0.038817737	6.94942E-06	1.437397003	8.425234795	0.032159969	0.000610075	16.3384304	0.002937615	0.005465193	0.000100393	0.000479619	0.000208041	0.096780978	1.99454E-06	0.000164109	0.000378566	0.001380905	0.000953783
2063 Mar	0.038818844	6.94957E-06	1.437430024	8.425420761	0.032160807	0.000610089	16.33878708	0.00293768	0.00546532	0.000100396	0.00047963	0.000208045	0.096783273	1.99458E-06	0.000164113	0.000378576	0.001380935	0.000953803
2063 Apr	0.038826104	6.95085E-06	1.43769455	8.426965714	0.032166775	0.0006102	16.34178352	0.002938219	0.005466326	0.000100414	0.000479718	0.000208083	0.096801117	1.99495E-06	0.000164143	0.000378646	0.001381189	0.000953978
2063 May	0.039038006	6.95923E-06	1.43938148	8.430337906	0.032267917	0.000610308	16.34433365	0.002939539	0.005475665	0.000101309	0.000479882	0.000208179	0.096956275	1.99624E-06	0.000164194	0.000379827	0.001382593	0.000953886
2063 Jun	0.039847448	6.93743E-06	1.430467248	8.341663361	0.032432571	0.000603142	16.12325287	0.002910649	0.005468491	0.000105016	0.000475175	0.000206064	0.09660957	1.97858E-06	0.00016246	0.000382447	0.001376	0.000941239
2063 Jul	0.039908685	6.94851E-06	1.4305408	8.343545914	0.03244254	0.000603294	16.10931015	0.002911845	0.005473291	0.000105011	0.000475512	0.000206109	0.09663365	1.97871E-06	0.000162534	0.000382861	0.001377491	0.000941518
2063 Aug	0.040081207	6.97929E-06	1.436424971	8.378583908	0.032576837	0.000605884	16.17211533	0.002924128	0.005496224	0.00010542	0.000477506	0.000206972	0.097038567	1.98672E-06	0.000163225	0.000384409	0.001383155	0.000945498
2063 Sep	0.040135507	6.98978E-06	1.437693477	8.386045456	0.032602891	0.00060666	16.17867279	0.002926901	0.005502801	0.000105441	0.000477901	0.000207154	0.097136237	1.98828E-06	0.000163394	0.000384664	0.001384323	0.000946341
2063 Oct	0.040128112	6.98747E-06	1.436385274	8.378410339	0.032569904	0.000606382	16.15662384	0.002924352	0.005500879	0.000105276	0.000477427	0.000206953	0.097061001	1.98628E-06	0.000163278	0.000384287	0.001383002	0.00094546
2063 Nov	0.040135924	6.98852E-06	1.436466932	8.378746986	0.032570865	0.000606455	16.15636063	0.002924495	0.005501794	0.000105272	0.000477439	0.00020696	0.097068138	1.98639E-06	0.00016329	0.000384303	0.001383073	0.000945489
2063 Dec	0.040138431	6.98893E-06	1.436546087	8.37918663	0.032572582	0.000606489	16.1572113	0.002924665	0.00550213	0.000105277	0.000477464	0.00020697	0.097073473	1.9865E-06	0.000163299	0.000384323	0.001383149	0.000945538
2064 Jan	0.040139232	6.989E-06	1.436561108	8.379255295	0.032573026	0.000606494	16.157341	0.002924675	0.005502201	0.000105279	0.000477467	0.000206972	0.097074568	1.98652E-06	0.0001633	0.000384328	0.001383162	0.000945545
2064 Feb	0.040140372	6.98912E-06	1.436587811	8.379395485	0.032573804	0.000606504	16.15760803	0.002924723	0.005502305	0.000105282	0.000477475	0.000206975	0.097076491	1.98655E-06	0.000163303	0.000384337	0.001383186	0.000945559
2064 Mar	0.040145006	6.98989E-06	1.43674624	8.380311012	0.032577492	0.00060657	16.15937042	0.002925043	0.005502912	0.000105294	0.000477527	0.000206998	0.097087257	1.98677E-06	0.000163321	0.00038438	0.001383337	0.000945662
2064 Apr	0.040153127	6.99128E-06	1.4370327	8.381978035	0.032584041	0.00060669	16.1625843	0.002925624	0.00550401	0.000105315	0.000477622	0.000207039	0.097106658	1.98716E-06	0.000163353	0.000384458	0.001383612	0.000945849
2064 May	0.040448334	6.99848E-06	1.438444614	8.380343437	0.032714449	0.000606359	16.15277481	0.00292527	0.005513791	0.000106617	0.000477486	0.000207017	0.097267114	1.98746E-06	0.000163299	0.000385974	0.001384621	0.000944938
2064 Jun	0.041163586	6.98647E-06	1.433898926	8.326293945	0.032934885	0.000601768	16.00773048	0.002907405	0.005512366	0.000110039	0.000474475	0.000205732	0.09719152	1.9756E-06	0.000162201	0.000388732	0.001380244	0.000936685
2064 Jul	0.041325811	7.01373E-06	1.438228965	8.351989746	0.033036493	0.00060366	16.04772758	0.002916672	0.005531775	0.000110362	0.000476024	0.000206365	0.097495481	1.98162E-06	0.000162723	0.000390013	0.001384992	0.000939601
2064 Aug	0.041423064	7.03108E-06	1.440602303	8.366920471	0.033091314	0.000604869	16.06562614	0.002922075	0.00554267	0.0001105	0.00047687	0.00020673	0.097671852	1.98471E-06	0.000163035	0.000390574	0.001387328	0.000941324
2064 Sep	0.04142841	7.0325E-06	1.43919456	8.357818604	0.033049978	0.000604719	16.03519249	0.002919254	0.005541953	0.000110247	0.000476279	0.000206498	0.097595952	1.98256E-06	0.000162911	0.000390025	0.001385884	0.000940256
2064 Oct	0.041461412	7.03688E-06	1.439638138	8.359652519	0.033056203	0.000605026	16.03613281	0.002919995	0.005545935	0.000110244	0.000476356	0.000206538	0.097630486	1.98317E-06	0.000162967	0.000390117	0.00138629	0.000940424
2064 Nov	0.041474774	7.03911E-06	1.440089941	8.362249374	0.033066481	0.000605216	16.04111671	0.002920904	0.005547715	0.000110278	0.000476503	0.000206602	0.097661108	1.9838E-06	0.000163018	0.000390239	0.001386725	0.000940715
2064 Dec	0.041476246	7.03934E-06	1.440134525	8.362494469	0.033067461	0.000605236	16.04158974	0.002920991	0.005547909	0.000110281	0.000476517	0.000206608	0.097664133	1.98386E-06	0.000163023	0.00039025	0.001386769	0.000940742
2065 Jan	0.041476753	7.03939E-06	1.440143704	8.362535477	0.033067733	0.000605239	16.04166794	0.002921006	0.005547953	0.000110282	0.000476519	0.000206609	0.097664803	1.98387E-06	0.000163024	0.000390253	0.001386776	0.000940746
2065 Feb	0.041477744	7.03951E-06	1.440169573	8.362675667	0.033068433	0.000605249	16.04193497	0.002921055	0.005548053	0.000110285	0.000476527	0.000206613	0.097666629	1.98391E-06	0.000163027	0.000390261	0.0013868	0.000940761
2065 Mar	0.041482911	7.04036E-06	1.440344334	8.363686562	0.033072513	0.000605322	16.04386902	0.002921407	0.005548727	0.000110299	0.000476584	0.000206638	0.097678527	1.98415E-06	0.000163046	0.000390309	0.001386967	0.000940874
2065 Apr	0.04149754	7.04283E-06	1.440849781	8.366617203	0.03308415	0.000605534	16.04949379	0.002922431	0.005550674	0.000110337	0.000476751	0.00020671	0.097712822	1.98484E-06	0.000163103	0.000390447	0.001387454	0.000941203
2065 May	0.041763093	7.05336E-06	1.442977905	8.370903015	0.033211015	0.000605673	16.05294418	0.002924107	0.005562427	0.000111458	0.00047696	0.000206832	0.097907923	1.98649E-06	0.000163169	0.000391929	0.001389225	0.000941095
2065 Jun	0.042269904	7.04736E-06	1.43934536	8.329759598	0.033348326	0.000602233	15.94208908	0.0029108	0.005562721	0.000113753	0.000474794	0.000205855	0.097819068	1.97803E-06	0.000162357	0.000393875	0.001386633	0.000939454
2065 Jul	0.042485531	7.08402E-06	1.445770621	8.367837906	0.033500824	0.000604997	16.00620842	0.002924355	0.005589625	0.000114248	0.00047707	0.000206794	0.098265357	1.98686E-06	0.000163117	0.000395806	0.001393475	0.000939269
2065 Aug	0.042657323	7.11453E-06	1.451389551	8.401661873	0.033632293	0.000607535	16.06359863	0.002936233	0.005611614	0.000114647	0.000478994	0.000207626	0.098658688	1.99433E-06	0.000163787	0.000397304	0.001398861	0.000943117
2065 Sep	0.042629931	7.11078E-06	1.448774815	8.387201309	0.033564944	0.000607051	16.01865959	0.002931443	0.005606763	0.000114271	0.000478094	0.000207248	0.09850987	1.99028E-06	0.000163569	0.000396477	0.001396199	0.000941495
2065 Oct	0.042576686	7.09559E-06	1.442944288	8.349446297	0.033406116	0.000605365	15.93010521	0.002918835	0.005597647	0.000113572	0.000475777	0.000206282	0.098141514	1.98224E-06	0.000162954	0.000394704	0.001390444	0.000937041
2065 Nov	0.04259013	7.09602E-06	1.442572832	8.345911026	0.033391673	0.000605307	15.92191505	0.002917733	0.005599027	0.000113505	0.000475541	0.00020619	0.098118499	1.98182E-06	0.000162908	0.000394562	0.001390076	0.00093658
2065 Dec	0.042591192	7.09617E-06	1.442598224	8.346033096	0.033392176	0.000605318	15.92215347	0.002917778	0.005599163	0.000113507	0.000475548	0.000206193	0.09812022	1.98186E-06	0.000162911	0.000394568	0.0013901	0.000936593
2066 Jan	0.042592194	7.09627E-06	1.442618132	8.346128464	0.033392746	0.000605325	15.92233181	0.002917811	0.005599253	0.000113509	0.000475553	0.000206195	0.098121651	1.98189E-06	0.000162913	0.000394575	0.001390118	0.000936602
2066 Feb	0.042594351	7.09655E-06	1.442677021	8.346452713	0.033394299	0.000605348	15.92294693	0.002917924	0.005599484	0.000113514	0.000475571	0.000206203	0.098125793	1.98196E-06	0.000162919	0.000394592	0.001390172	0.000936637
2066 Mar	0.042602465	7.09785E-06	1.442944169	8.347989082	0.033400584	0.000605459	15.92587471	0.002918461	0.005600521	0.000113536	0.000475658	0.000206241	0.098144025	1.98233E-06	0.000162949	0.000394666	0.001390428	0.000936809
2066 Apr	0.042612847	7.09956E-06	1.443291426	8.349993706	0.033408683	0.000605605	15.92969704	0.002919162	0.00560187	0.000113564	0.000475772	0.000206291	0.098167688	1.9828E-06	0.000162988	0.000394762	0.001390762	0.000937033
2066 May	0.042680349	7.10687E-06	1.444777369	8.357646942	0.033452109	0.00060614	15.94376945	0.002921859	0.005608045	0.000113792	0.000476204	0.000206481	0.098274581	1.9847E-06	0.000163135	0.000395273	0.001392161	0.000937823
2066 Jun	0.043021705	7.09931E-06	1.438233614	8.300804138	0.033440545	0.000601737	15.80392933	0.002904094	0.005604783	0.000115001	0.000473542	0.000205128	0.09792342	1.97494E-06	0.000162092	0.000396148	0.00138972	0.000930272
2066 Jul	0.04326921	7.13953E-06	1.444459081	8.336342812	0.03358737	0.000604341	15.85980701	0.002917102	0.005634197	0.000115494	0.000475766	0.000206009	0.098356046	1.98382E-06	0.000162821	0.000398164	0.001397061	0.000934255
2066 Aug	0.043448817	7.17057E-06	1.450147033	8.370401382	0.033720929	0.000606878	15.91780376	0.002929078	0.005656796	0.000115914	0.000477708	0.000206847	0.098753795	1.99143E-06	0.000163496	0.000399696	0.001402556	0.00093812
2066 Sep	0.043492615	7.17917E-06	1.451017737	8.376651764	0.0337401	0.000607574	15.91984749	0.002931344	0.005662016	0.000115899	0.000478036	0.000206989	0.098829903	1.99229E-06	0.000163646	0.000399896	0.00140331	0.000938857
2066 Oct	0.043485831	7.17641E-06	1.449377656	8.36631012	0.033694111	0.000607223	15.89230442	0.002927923	0.005660431	0.000115668	0.000477384	0.000206719	0.098731831	1.98993E-06	0.00016349	0.00039938	0.001401651	0.00093764

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.043485962	7.17594E-06	1.448981524	8.363746643	0.033682633	0.000607149	15.88530254	0.002927083	0.005660252	0.000115609	0.000477221	0.000206652	0.09870854	1.98936E-06	0.000163454	0.000399253	0.001401248	0.000937335
2066 Dec	0.043488771	7.17638E-06	1.449065208	8.364206314	0.033684492	0.000607185	15.88617802	0.002927245	0.005660614	0.000115615	0.000477247	0.000206663	0.098714225	1.98948E-06	0.000163463	0.000399276	0.001401329	0.000937386
2067 Jan	0.043489851	7.17649E-06	1.449087977	8.364317894	0.033685129	0.000607193	15.88639069	0.002927285	0.005660716	0.000115618	0.000477253	0.000206666	0.098715864	1.98951E-06	0.000163465	0.000399283	0.001401349	0.000937397
2067 Feb	0.043491766	7.17673E-06	1.449138641	8.36459446	0.033686485	0.000607213	15.88691044	0.002927381	0.005660915	0.000115623	0.000477268	0.000206672	0.098719425	1.98957E-06	0.00016347	0.000399299	0.001401396	0.000937427
2067 Mar	0.043495975	7.17739E-06	1.449271679	8.365353584	0.033689678	0.000607268	15.88835049	0.002927647	0.005661435	0.000115634	0.000477311	0.000206691	0.098728552	1.98976E-06	0.000163485	0.000399336	0.001401523	0.000937511
2067 Apr	0.043504681	7.1788E-06	1.449557543	8.366998672	0.03369638	0.000607387	15.89147377	0.002928222	0.005662552	0.000115657	0.000477405	0.000206732	0.098748066	1.99015E-06	0.000163517	0.000399415	0.001401799	0.000937695
2067 May	0.043755133	7.19085E-06	1.452005506	8.374046326	0.033821065	0.000607747	15.90095997	0.002930844	0.005675142	0.000116688	0.000477775	0.00020692	0.098958455	1.9924E-06	0.000163638	0.000400874	0.001403913	0.000937966
2067 Jun	0.044246778	7.18998E-06	1.450308919	8.346343994	0.033986423	0.000605291	15.8216114	0.002921908	0.005679507	0.000118938	0.000476282	0.00020627	0.098987877	1.98667E-06	0.000163074	0.000402993	0.00140256	0.000933471
2067 Jul	0.044489626	7.22952E-06	1.457484007	8.387853622	0.03415554	0.000608319	15.89464378	0.002936647	0.005709493	0.000119519	0.000478717	0.000207295	0.09948305	1.99658E-06	0.000163899	0.000405075	0.001409943	0.000938127
2067 Aug	0.044637058	7.25407E-06	1.461320877	8.410964012	0.034245133	0.000610091	15.92878819	0.002944923	0.005726421	0.000119798	0.000480036	0.000207862	0.099758148	2.00174E-06	0.000164369	0.000406057	0.001413733	0.000940753
2067 Sep	0.044691272	7.26431E-06	1.462586999	8.418992043	0.034272708	0.000610896	15.93571854	0.002947837	0.00573301	0.000119822	0.000480465	0.000208053	0.099858001	2.00323E-06	0.000164551	0.000406349	0.001414887	0.000941675
2067 Oct	0.044654842	7.25629E-06	1.45943749	8.399577141	0.034187105	0.00061006	15.88790894	0.002941323	0.00572757	0.000119418	0.00047927	0.000207552	0.099661872	1.99878E-06	0.000164238	0.000405378	0.001411736	0.00093942
2067 Nov	0.044663005	7.2567E-06	1.459188938	8.39741993	0.034177579	0.000610041	15.88225937	0.002940652	0.005728438	0.000119367	0.000479124	0.000207495	0.099647425	1.99847E-06	0.000164212	0.000405281	0.001411482	0.000939143
2067 Dec	0.044666309	7.25721E-06	1.459286332	8.397958755	0.034179769	0.000610083	15.88326836	0.002940842	0.005728858	0.000119374	0.000479154	0.000207508	0.099654093	1.9986E-06	0.000164223	0.000405308	0.001411576	0.000939202
2068 Jan	0.044667725	7.25737E-06	1.459317923	8.398118973	0.034180634	0.000610095	15.88357067	0.002940899	0.005728997	0.000119378	0.000479163	0.000207512	0.099656343	1.99864E-06	0.000164226	0.000405318	0.001411604	0.000939219
2068 Feb	0.044669453	7.25756E-06	1.459359527	8.398340225	0.034181811	0.000610111	15.88398361	0.002940976	0.005729162	0.000119382	0.000479175	0.000207518	0.099659324	1.9987E-06	0.00016423	0.000405331	0.001411642	0.000939242
2068 Mar	0.044677038	7.25875E-06	1.459599376	8.399709702	0.03418754	0.00061021	15.88657093	0.002941455	0.005730104	0.000119402	0.000479253	0.000207551	0.099675767	1.99902E-06	0.000164257	0.000405399	0.001411872	0.000939394
2068 Apr	0.044706143	7.26345E-06	1.460545659	8.405150414	0.034209773	0.000610605	15.89686012	0.00294336	0.00573382	0.00011948	0.000479563	0.000207686	0.099740446	2.00032E-06	0.000164363	0.000405662	0.001412787	0.000940002
2068 May	0.044952746	7.27291E-06	1.462460637	8.408772469	0.034327347	0.000610704	15.89916229	0.002944788	0.00574446	0.000120527	0.000479736	0.00020779	0.099918418	2.00173E-06	0.000164416	0.000407033	0.001414363	0.000939858
2068 Jun	0.045506299	7.24282E-06	1.453401208	8.330534935	0.034425698	0.000604344	15.7045536	0.002918716	0.005726741	0.000123356	0.000475498	0.000205907	0.09952379	1.98423E-06	0.000162864	0.000408558	0.001406587	0.000929053
2068 Jul	0.045685217	7.27089E-06	1.457293749	8.352405548	0.03451765	0.000605973	15.73539925	0.002926889	0.005746834	0.000123674	0.000476894	0.00020645	0.09979789	1.98987E-06	0.000163324	0.000409841	0.001411402	0.000931489
2068 Aug	0.045902595	7.30629E-06	1.463934302	8.390924454	0.034674395	0.000608833	15.803689	0.002940461	0.005773646	0.00012421	0.000479088	0.000207401	0.100258611	1.99887E-06	0.000164086	0.000411665	0.00141784	0.000935805
2068 Sep	0.045946267	7.31457E-06	1.464591622	8.395442963	0.034686163	0.000609466	15.80214882	0.002942172	0.005778841	0.000124161	0.000479306	0.000207501	0.100320183	1.99948E-06	0.000164208	0.00041178	0.001418384	0.000936328
2068 Oct	0.045974236	7.31835E-06	1.464886546	8.396595001	0.034688979	0.000609729	15.80128288	0.00294267	0.005782218	0.00012414	0.000479343	0.000207523	0.100345448	1.99986E-06	0.000164252	0.000411829	0.001418641	0.000936426
2068 Nov	0.045988958	7.32058E-06	1.465301037	8.398870468	0.034698337	0.000609908	15.80546284	0.002943477	0.005784058	0.000124172	0.000479471	0.000207579	0.100373968	2.00043E-06	0.000164298	0.000411942	0.001419041	0.000936675
2068 Dec	0.045991618	7.32098E-06	1.465378523	8.399296761	0.034700107	0.000609941	15.80626869	0.002943628	0.005784392	0.000124178	0.000479495	0.000207589	0.100379273	2.00054E-06	0.000164306	0.000411963	0.001419117	0.000936722
2069 Jan	0.045992482	7.32107E-06	1.465396762	8.399386406	0.034700617	0.000609948	15.80643654	0.002943659	0.005784473	0.00012418	0.0004795	0.000207592	0.100380577	2.00057E-06	0.000164308	0.000411969	0.001419133	0.000936731
2069 Feb	0.045993607	7.3212E-06	1.465423107	8.399525642	0.034701377	0.000609958	15.80669498	0.002943708	0.005784578	0.000124183	0.000479507	0.000207595	0.100382477	2.0066E-06	0.000164311	0.000411978	0.001419157	0.000936746
2069 Mar	0.045994304	7.32128E-06	1.465440035	8.399616241	0.034701854	0.000609964	15.80686474	0.00294374	0.005784645	0.000124185	0.000479512	0.000207597	0.100383691	2.00062E-06	0.000164313	0.000411983	0.001419172	0.000936755
2069 Apr	0.046001855	7.32247E-06	1.465677738	8.400975227	0.034707524	0.000610063	15.80942059	0.002944216	0.005785584	0.000124205	0.00047959	0.000207631	0.100399993	2.00094E-06	0.000164339	0.00041205	0.001419401	0.000936906
2069 May	0.046090975	7.3342E-06	1.468022585	8.413862228	0.034769319	0.000610984	15.83311749	0.002948743	0.005795066	0.000124478	0.000480323	0.00020795	0.100564912	2.00403E-06	0.00016459	0.000412781	0.001421647	0.0009383
2069 Jun	0.046331707	7.33399E-06	1.463229299	8.372136116	0.034738563	0.000607788	15.72934341	0.002936129	0.005796	0.000125132	0.000478536	0.000206962	0.100289322	1.99777E-06	0.000163851	0.000413441	0.001421056	0.000932847
2069 Jul	0.046520449	7.36434E-06	1.46751821	8.396595955	0.034842338	0.000609582	15.76398277	0.002945237	0.005817624	0.000125483	0.00048013	0.000207569	0.100591369	2.00393E-06	0.000164363	0.000414955	0.00142652	0.000935587
2069 Aug	0.046658996	7.38872E-06	1.471499085	8.420875549	0.034936946	0.000611478	15.79995823	0.002953863	0.005834134	0.000125757	0.000481509	0.000208165	0.100878477	2.00911E-06	0.000164854	0.000416002	0.001430366	0.000938356
2069 Sep	0.046617396	7.38354E-06	1.468837142	8.406357765	0.034865808	0.000610954	15.75718975	0.002948996	0.005828527	0.000125355	0.000480604	0.000207785	0.100721702	2.00507E-06	0.00016463	0.000415131	0.001427625	0.000936746
2069 Oct	0.046554092	7.36905E-06	1.463665485	8.372876167	0.034718741	0.00060946	15.68140793	0.002937779	0.005820035	0.000124683	0.000478537	0.000206929	0.100388169	1.99809E-06	0.000164083	0.000413475	0.001422461	0.000932814
2069 Nov	0.046573237	7.37015E-06	1.463393927	8.369513512	0.034704585	0.000609446	15.67409515	0.002936763	0.005822294	0.000124614	0.000478304	0.000206841	0.100370683	1.99786E-06	0.000164044	0.000413342	0.001422186	0.000932357
2069 Dec	0.046575043	7.3704E-06	1.46344018	8.36975193	0.034705587	0.000609466	15.67454624	0.002936848	0.005822518	0.000124617	0.000478317	0.000206847	0.100373842	1.99793E-06	0.000164049	0.000413354	0.001422231	0.000932383
2070 Jan	0.046575673	7.37044E-06	1.46344614	8.369764328	0.034705844	0.000609468	15.67456722	0.002936853	0.005822557	0.000124618	0.000478317	0.000206847	0.100374348	1.99794E-06	0.000164049	0.000413357	0.001422234	0.000932383
2070 Feb	0.046576302	7.37045E-06	1.463451862	8.369778633	0.034706187	0.000609468	15.67459106	0.002936858	0.00582258	0.00012462	0.000478317	0.000206848	0.10037487	1.99794E-06	0.000164049	0.00041336	0.001422237	0.000932383
2070 Mar	0.046579298	7.37088E-06	1.463538289	8.3702631	0.034708347	0.000609503	15.67549419	0.002937028	0.005822925	0.000124628	0.000478345	0.00020686	0.100380875	1.99805E-06	0.000164058	0.000413386	0.00142232	0.000932436
2070 Apr	0.046596039	7.37346E-06	1.464051366	8.373184204	0.034720719	0.000609715	15.68095016	0.002938052	0.005824965	0.000124673	0.000478511	0.000206932	0.100416206	1.99875E-06	0.000164116	0.000413532	0.001422816	0.00093276
2070 May	0.046819255	7.38384E-06	1.466151476	8.379074097	0.034831736	0.000610004	15.68808365	0.002940244	0.005835803	0.000125596	0.000478819	0.000207089	0.100599982	2.00059E-06	0.000164215	0.000414827	0.001424606	0.000932956
2070 Jun	0.047331158	7.38285E-06	1.464776874	8.352239609	0.03501156	0.00060757	15.61277008	0.002931549	0.005840958	0.000127975	0.000477344	0.000206463	0.100652918	1.99519E-06	0.000163659	0.000417074	0.00142335	0.000928491
2070 Jul	0.047531724	7.41496E-06	1.470187783	8.383674622	0.035142478	0.000609871	15.66416359	0.002942824	0.005864632	0.000128431	0.00047923	0.000207239	0.101031914	2.00262E-06	0.000164292	0.00041874	0.001429186	0.000932018
2070 Aug	0.04769684	7.44215E-06	1.474831462	8.41133213	0.035253577	0.000611961	15.70828247	0.002952632	0.005884048	0.000128796	0.000480809	0.000207919	0.101361834	2.0088E-06	0.000164846	0.000420001	0.00143372	0.000935141
2070 Sep	0.04767273	7.43913E-06	1.47256124	8.398570061	0.035188958	0.000611612	15.66952515	0.002948404	0.005880873	0.000128414	0.000479995	0.000207581	0.101230487	2.00538E-06	0.000164662	0.00041923	0.001431363	0.000933705
2070 Oct	0.04764457	7.43252E-06	1.469811797	8.380773544	0.035108268	0.000610903	15.62754059	0.002942474	0.005877248	0.000128022	0.000478883	0.000207122	0.101055644	2.00165E-06	0.000164381	0.000418324	0.001428597	0.000931614
2070 Nov	0.047650814	7.43321E-06	1.469786167	8.380358696	0.035105884	0.00061094	15.62582684	0.002942366	0.005878001	0.000128003	0.000478849	0.000207109	0.101055391	2.00162E-06	0.000164381	0.000418302	0.001428562	0.000931554
2070 Dec	0.047651738	7.43333E-06	1.469807148	8.380458832	0.035106309	0.000610949	15.62601471	0.002942402	0.005878115	0.000128005	0.000478854	0.000207112	0.101056807	2.00165E-06	0.000164383	0.000418308	0.001428582	0.000931565
2071 Jan	0.047652278	7.43337E-06	1.469813466	8.380477905	0.035106551	0.000610951	15.62605286	0.00294241	0.005878151	0.000128006	0.000478855	0.000207112	0.101057328	2.00166E-06	0.000164384	0.00041831	0.001428587	0.000931566
2071 Feb	0.04765277	7.43338E-06	1.469818473	8.380493164	0.035106823	0.000610952	15.6260767	0.002942414	0.005878172	0.000128007	0.000478856	0.000207113	0.10105776	2.00166E-06	0.000164384	0.000418313	0.001428589	0.000931566
2071 Mar	0.047653645	7.43349E-06	1.469839811	8.380607605	0.035107415	0.00061096	15.62628937	0.002942455	0.005878258	0.000128009	0.000478862	0.000207115	0.101059288	2.00169E-06	0.000164386	0.00041832	0.001428609	0.000931578
2071 Apr	0.047661021	7.43462E-06	1.470064163	8.381882668	0.035112821	0.000611053	15.62866592	0.002942902	0.005879156	0.000128029	0.000478935	0.000207147	0.10107474	2.00199E-06	0.000164411	0.000418384	0.001428826	0.00093172
2071 May	0.047884587	7.43896E-06	1.470950246	8.379588127	0.0352116	0.000610706	15.61864471	0.002942242	0.005885628	0.000129042	0.000478769	0.000207104	0.101186998	2.00186E-06	0.000164346	0.000419522	0.001429368	0.000930898
2071 Jun	0.048386306	7.42611E-06	1.466427565	8.331526756	0.035341177	0.000606661	15.4984169	0.002926458	0.005881868	0.000131454	0.000476185	0.000205963	0.101039506	1.99203E-06	0.000163383	0.000421345	0.001425731	0.000923868
2071 Jul	0.048521712	7.44848E-06	1.469519734	8.349948883	0.035418484	0.00060801	15.52245903	0.002933278	0.005897169	0.000131704	0.000477387	0.000206418	0.101261847	1.99634E-06	0.000163768	0.000422462	0.001429673	0.00092596
2071 Aug	0.048694	7.47697E-06	1.474635601	8.380285263	0.035542339	0.000610298	15.57254314	0.002943976	0.005917822	0.000132115	0.000479117	0.000207164	0.101624034	2.00308E-06	0.000164372	0.000423888	0.001434617	0.000929378
2071 Sep	0.048683722	7.47786E-06	1.473429084	8.373844147	0.035505302	0.000610264	15.54787636	0.002941945	0.005916523	0.000131848	0.000478687	0.000206993	0.10156019	2.00115E-06	0.000164293	0.000423392	0.001433322	0.000928676
2071 Oct	0.048663892	7.47469E-06	1.471945167	8.365204811	0.035462931	0.000609955	15.52472305	0.002939046	0.005914154	0.000131618	0.000478145	0.000206767	0.101469815	1.99901E-06	0.00016416	0.000422904	0.001431803	0.000927694
2071 Nov	0.048682015	7.47556E-06	1.471574664	8.361097336	0.035445042	0.000609916	15.51596737	0.002937785	0.005916398	0.000131529	0.000477864	0.00020666	0.101445347	1.99867E-06	0.00016411	0.00042273	0.001431428	0.000927147
2071 Dec	0.048684645	7.47579E-06	1.47158587	8.360983849	0.035444614	0.000609926	15.51576805	0.00293776	0.005916721	0.000131527	0.000477854	0.000206657	0.101446018	1.99871E-06	0.00016411	0.000422728	0.001431439	0.000927127
2072 Jan	0.048685644	7.47586E-06	1.471600175	8.361040115	0.035445098	0.000609931	15.51586914	0.00293778	0.005916795	0.000131529	0.000477857	0.000206658	0.10144712	1.99872E-06	0.000164111	0.000422733	0.001431451	0.000927131
2072 Feb	0.048686631	7.47592E-06	1.471613884	8.361095428	0.035445672	0.000609935	15.51596832	0.002937799	0.005916852	0.000131531	0.000477859	0.00020666	0.101448223	1.99874E-06	0.000164112	0.000422739	0.001431461	0.000927136
2072 Mar	0.048687741	7.47604E-06	1.47163856	8.361224174	0.035446402	0.000609944	15.51620483	0.002937844	0.005916952	0.000131534	0.000477866	0.000206663	0.101450019	1.99877E-06	0.000164114	0.000422748	0.001431483	0.000927149
2072 Apr	0.048700873	7.47802E-06	1.47203064	8.363445282	0.035455924	0.000610105	15.52032566	0.002938624	0.005918528	0.00013157	0.000477993	0.000206717	0.101477094	1.9993E-06	0.000164158	0.000422861	0.001431863	0.000927395
2072 May	0.048767459	7.4882E-06	1.474032998	8.374812126	0.035504304	0.000610934	15.541399	0.002942618	0.005926581	0.00013175	0.000478643	0.000206998	0.101615235	2.00201E-06	0.000164381	0.000423438	0.00143381	0.000928654
2072 Jun	0.048850011	7.49454E-06	1.47111237	8.350569725	0.03543349	0.000609176	15.48248768	0.002935877	0.005930902	0.000131597	0.000477836	0.000206431	0.101405971	1.99982E-06	0.000163994	0.000423595	0.001435053	0.000925704
2072 Jul	0.048992276	7.51651E-06	1.473517537	8.363749504	0.035490058	0.000610184	15.49550152	0.002941085	0.005945922	0.00013179	0.000478753	0.000206759	0.101579286	2.00349E-06	0.000164289	0.00042448	0.001438569	0.000927166
2072 Aug	0.049031634	7.52723E-06	1.473620534	8.363621712	0.035479691	0.000610684	15.47995281	0.002941533	0.005949969	0.000131601	0.000478674	0.000206761	0.101604536	2.00349E-06	0.000164337	0.00042418	0.001438595	0.00092715
2072 Sep	0.049028754	7.52921E-06	1.472423077	8.355534554	0.035437569	0.000610613	15.4535408	0.002939081	0.005949523	0.000131316	0.000478131	0.000206559	0.101536632	2.00177E-06	0.00016423	0.000423593	0.00143732	0.00092621
2072 Oct	0.048972283	7.51877E-06	1.468824983	8.333191872	0.035334818	0.00060962	15.40195942	0.002931549	0.005942785	0.000130821	0.000476749	0.000205985	0.10130506	1.99685E-06	0.000163865	0.000422419	0.001433687	0.000923626
2072 Nov	0.04897467	7.51858E-06	1.468512297	8.330820084	0.035323791	0.000609568	15.3962307	0.002930786	0.005943097	0.000130763	0.000476593	0.000205923	0.101285517	1.99646E-06	0.000163832	0.000422301	0.001433366	0.000923334
2072 Dec	0.048975721	7.51872E-06	1.4685359	8.330931664	0.035324272	0.000609578	15.39644146	0.002930827	0.005943225	0.000130765	0.000476599	0.000205926	0.101287119	1.99649E-06	0.000163835	0.000422307	0.001433389	0.000923346
2073 Jan	0.048976421	7.51877E-06	1.468546152	8.330971718	0.035324614	0.000609581	15.39651489	0.002930841	0.005943278	0.000130766	0.000476601	0.000205927	0.101287909	1.9965E-06	0.000163836	0.000422311	0.001433397	0.000923349
2073 Feb	0.048977289	7.51884E-06	1.468561292	8.33104229	0.035325143	0.000609586	15.39664268	0.002930866	0.00594334	0.000130768	0.000476605	0.000205928	0.101289056	1.99652E-06	0.000163837	0.000422316	0.00143341	0.000923355
2073 Mar	0.048979241	7.5191E-06	1.468613863	8.33133316	0.035326503	0.000609607	15.3971777	0.002930968	0.005943554	0.000130774	0.000476621	0.000205935	0.101292744	1.99659E-06	0.000163843	0.000422332	0.00143346	0.000923387
2073 Apr	0.049008299	7.52354E-06	1.469481707	8.336251259	0.035347436	0.000609967	15.40626812	0.002932698	0.005947066	0.000130851	0.000476902	0.000206057	0.101352639	1.99777E-06	0.000163939	0.000422582	0.001434306	0.000923932
2073 May	0.049328264	7.53127E-06	1.471145988	8.334843636	0.035489917	0.000609622	15.39851665	0.002932433	0.005958083	0.000132271	0.00047677	0.000206044	0.101531602	1.99838E-06	0.000163885	0.000424239	0.001435507	0.000922973
2073 Jun	0.049870569	7.52773E-06	1.46929431	8.302560806	0.035672013	0.000606728	15.31475258	0.002921943	0.005962688	0.000134817	0.000475	0.000205291	0.101555496	1.99229E-06	0.000163217	0.000426562	0.001433915	0.000917744
2073 Jul	0.050018296	7.55297E-06	1.473242998	8.327582359	0.035772651	0.000608567	15.34933662	0.002930857	0.005979447	0.000135134	0.000476502	0.000205902	0.101844445	1.99739E-06	0.000163723	0.000427794	0.001438129	0.000920625
2073 Aug	0.050180122	7.57925E-06	1.47769618	8.354174614	0.035881162	0.00061058	15.39090538	0.002940287	0.0059981	0.000135498	0.000478023	0.000206555	0.102163143	2.00325E-06	0.000164257	0.000429029	0.001442481	0.000923625
2073 Sep	0.050189503	7.58334E-06	1.477519989	8.354454994	0.035873156	0.00061089	15.38068962	0.002940495	0.00599932	0.000135361	0.000478	0.000206551	0.102168083	2.00268E-06	0.000164294	0.000428886	0.001442198	0.000923705

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.050140813	7.57503E-06	1.474546432	8.336293221	0.035787113	0.000610114	15.33779716	0.002934372	0.005993818	0.000134929	0.000476873	0.000206082	0.101977639	1.9986E-06	0.000164	0.0004279	0.001439184	0.000921618
2073 Nov	0.050138321	7.57429E-06	1.474100113	8.333320618	0.0357728	0.000610025	15.33046913	0.002933394	0.005993594	0.000134853	0.000476682	0.000206005	0.101949669	1.998E-06	0.000163957	0.000427741	0.001438727	0.000921265
2073 Dec	0.050141279	7.57472E-06	1.474179268	8.333745003	0.035774637	0.000610058	15.33125496	0.002933545	0.005993949	0.00013486	0.000476706	0.000206015	0.101955123	1.99811E-06	0.000163965	0.000427763	0.001438804	0.000921311
2074 Jan	0.050142117	7.57479E-06	1.474193335	8.333806038	0.035775073	0.000610063	15.33136654	0.002933567	0.005994019	0.000134862	0.000476709	0.000206017	0.101956166	1.99813E-06	0.000163966	0.000427768	0.001438816	0.000921317
2074 Feb	0.050142795	7.57483E-06	1.474202394	8.333842278	0.03577546	0.000610066	15.33143044	0.002933579	0.005994056	0.000134864	0.000476711	0.000206018	0.101956904	1.99813E-06	0.000163967	0.000427772	0.001438822	0.000921319
2074 Mar	0.050145555	7.57521E-06	1.474277616	8.334259033	0.035777383	0.000610096	15.33219624	0.002933726	0.005994362	0.000134871	0.000476734	0.000206028	0.101962171	1.99823E-06	0.000163975	0.000427795	0.001438895	0.000921365
2074 Apr	0.050170168	7.57891E-06	1.474997997	8.338327408	0.035794917	0.000610393	15.33967781	0.002935158	0.005997291	0.000134937	0.000476967	0.000206128	0.102012023	1.99921E-06	0.000164055	0.000428005	0.001439597	0.000921814
2074 May	0.050614517	7.5876E-06	1.476893306	8.333908081	0.035990436	0.000609714	15.32274628	0.002933911	0.00601085	0.000136946	0.000476641	0.000206049	0.102238365	1.9993E-06	0.000163928	0.000430265	0.001440814	0.000920181
2074 Jun	0.051171623	7.56615E-06	1.471559405	8.280116081	0.036159288	0.00060507	15.18657207	0.002915719	0.006000871	0.000139892	0.000473602	0.000204764	0.102080077	1.98677E-06	0.000162815	0.000432294	0.001435269	0.000912273
2074 Jul	0.051388066	7.60008E-06	1.477300048	8.313808812	0.036302712	0.000607539	15.24021626	0.002927749	0.006025621	0.000140406	0.000475609	0.000205594	0.102487586	1.99447E-06	0.000163491	0.000434087	0.001441343	0.00091605
2074 Aug	0.051619694	7.63582E-06	1.483950138	8.35233593	0.03646709	0.00061039	15.30657196	0.002941323	0.006052634	0.000141008	0.000477814	0.000206543	0.102955699	2.00328E-06	0.000164254	0.000436019	0.001447809	0.000920342
2074 Sep	0.051610131	7.63711E-06	1.482951283	8.347808838	0.036435422	0.000610468	15.28556061	0.002939887	0.006051896	0.000140752	0.000477498	0.000206415	0.102906585	2.00159E-06	0.00016421	0.000435605	0.001446699	0.000919881
2074 Oct	0.05159682	7.6346E-06	1.48145926	8.338320732	0.03638766	0.00061019	15.26140213	0.002936751	0.006050783	0.000140487	0.000476888	0.000206166	0.102813609	1.99956E-06	0.000164071	0.000435068	0.001445163	0.000918774
2074 Nov	0.051601425	7.63527E-06	1.48145318	8.33821106	0.036386184	0.000610237	15.26014328	0.002936737	0.006051382	0.000140469	0.000476873	0.000206161	0.10281489	1.99954E-06	0.000164076	0.000435054	0.001445145	0.000918756
2074 Dec	0.051603898	7.63563E-06	1.481517553	8.338558197	0.036387689	0.000610265	15.26076794	0.002936861	0.006051674	0.000140475	0.000476893	0.00020617	0.102819376	1.99963E-06	0.000164083	0.000435073	0.001445207	0.000918794
2075 Jan	0.051604778	7.6357E-06	1.481532693	8.338626862	0.036388155	0.00061027	15.26089096	0.002936885	0.006051747	0.000140477	0.000476896	0.000206171	0.102820493	1.99965E-06	0.000164084	0.000435078	0.001445221	0.0009188
2075 Feb	0.051606055	7.63583E-06	1.481559277	8.33876133	0.036388975	0.00061028	15.26113605	0.002936932	0.006051857	0.00014048	0.000476904	0.000206175	0.102822445	1.99968E-06	0.000164087	0.000435087	0.001445244	0.000918814
2075 Mar	0.05161101	7.63653E-06	1.48169601	8.339523315	0.036392421	0.000610335	15.26252842	0.0029372	0.006052415	0.000140494	0.000476947	0.000206193	0.10283199	1.99986E-06	0.000164102	0.000435128	0.001445376	0.000918897
2075 Apr	0.051633764	7.63988E-06	1.482346177	8.343177795	0.036408439	0.000610602	15.26921654	0.002938488	0.006055071	0.000140555	0.000477156	0.000206284	0.102877147	2.00074E-06	0.000164173	0.00043532	0.00144601	0.0009193
2075 May	0.051773537	7.64965E-06	1.48429513	8.351138115	0.036484037	0.000611118	15.28253555	0.002941356	0.006064204	0.000141087	0.000477597	0.000206487	0.103029497	2.00293E-06	0.000164323	0.000436211	0.001447796	0.000919954
2075 Jun	0.051745694	7.64219E-06	1.477255464	8.302844048	0.036304485	0.000607601	15.1738205	0.002926701	0.006056319	0.000140461	0.000475629	0.000205331	0.102528349	1.99584E-06	0.000163494	0.000435414	0.001446476	0.000914367
2075 Jul	0.051870115	7.66176E-06	1.478520393	8.308684349	0.036333743	0.00060805	15.17076969	0.002929634	0.00606916	0.000140547	0.000476271	0.000205484	0.102620132	1.99827E-06	0.00016366	0.000436231	0.00144981	0.000914999
2075 Aug	0.05201041	7.6851E-06	1.482317567	8.331783295	0.03642736	0.000609831	15.20447159	0.00293784	0.006085099	0.000140846	0.000477591	0.00020605	0.102896243	2.00316E-06	0.000164127	0.000437282	0.001453509	0.00091762
2075 Sep	0.05207302	7.69634E-06	1.484001875	8.342558861	0.036468185	0.00061075	15.21763325	0.002941655	0.006092548	0.00014094	0.000478193	0.000206309	0.103023961	2.00519E-06	0.000164353	0.000437741	0.001455088	0.000918858
2075 Oct	0.05207229	7.69612E-06	1.483309269	8.338199615	0.036444478	0.000610697	15.20482063	0.002940239	0.006092765	0.000140792	0.000477901	0.000206192	0.102983639	2.00421E-06	0.000164298	0.000437474	0.001454347	0.000918348
2075 Nov	0.052087322	7.6981E-06	1.483575702	8.339387894	0.03644925	0.000610839	15.20651245	0.002940692	0.006094586	0.000140803	0.000477959	0.00020622	0.103002757	2.00459E-06	0.000164328	0.000437538	0.001454601	0.000918464
2075 Dec	0.052089978	7.69846E-06	1.483636856	8.339693069	0.036450587	0.000610866	15.2070694	0.002940803	0.006094901	0.000140808	0.000477976	0.000206227	0.103006981	2.00467E-06	0.000164334	0.000437555	0.001454661	0.000918496
2076 Jan	0.052090976	7.69854E-06	1.483652472	8.339756012	0.036451094	0.000610871	15.20718479	0.002940826	0.00609498	0.00014081	0.000477979	0.000206228	0.103008159	2.00469E-06	0.000164335	0.000437561	0.001454674	0.000918501
2076 Feb	0.052093256	7.6988E-06	1.48370409	8.340026855	0.036452577	0.00061089	15.20767403	0.002940921	0.006095192	0.000140816	0.000477994	0.000206235	0.103011884	2.00476E-06	0.000164341	0.000437578	0.001454722	0.00091853
2076 Mar	0.052098092	7.69947E-06	1.483834624	8.340750694	0.036455903	0.000610943	15.208992	0.002941176	0.006095729	0.000140829	0.000478035	0.000206253	0.103021018	2.00493E-06	0.000164355	0.000437617	0.001454848	0.000918608
2076 Apr	0.052111536	7.70143E-06	1.484213471	8.342875481	0.036465276	0.000611098	15.21286488	0.002941925	0.006097286	0.000140866	0.000478157	0.000206305	0.103047371	2.00544E-06	0.000164397	0.00043773	0.001455219	0.000918842
2076 May	0.052354336	7.71205E-06	1.486391783	8.348248482	0.03658364	0.000611335	15.21950054	0.002943963	0.006108847	0.000141878	0.000478431	0.000206452	0.103238903	2.00734E-06	0.000164485	0.000439114	0.00145707	0.000918921
2076 Jun	0.052878261	7.69675E-06	1.481906772	8.299386024	0.036730845	0.000607136	15.09954643	0.002927763	0.006104081	0.000144495	0.00047576	0.000205294	0.103102013	1.9972E-06	0.000163489	0.000441073	0.001453117	0.000911703
2076 Jul	0.053010345	7.7189E-06	1.484997869	8.318693161	0.036810752	0.000608555	15.12337875	0.002934807	0.006118624	0.000144749	0.000476984	0.000205767	0.103329748	2.0013E-06	0.000163888	0.000442153	0.001456841	0.00091392
2076 Aug	0.053209405	7.74993E-06	1.490443587	8.350307465	0.036945112	0.000610952	15.17485237	0.002946018	0.006141386	0.000145227	0.00047879	0.000206546	0.103717305	2.00847E-06	0.000164521	0.000443712	0.001462159	0.000917445
2076 Sep	0.053275388	7.76138E-06	1.49214983	8.360983849	0.036985997	0.000611877	15.1880064	0.002949812	0.006149196	0.000145324	0.000479384	0.000206802	0.103846274	2.01055E-06	0.000164747	0.000444176	0.001463761	0.000918662
2076 Oct	0.053219307	7.75351E-06	1.489561081	8.346036911	0.036911082	0.000611218	15.15227985	0.002944722	0.006143369	0.00014493	0.000478458	0.000206415	0.103679813	2.00695E-06	0.000164503	0.000443302	0.001461112	0.000916985
2076 Nov	0.053217586	7.75312E-06	1.489253044	8.343996048	0.036900565	0.00061117	15.14709759	0.002944054	0.00614332	0.00014487	0.000478325	0.000206361	0.103660598	2.00654E-06	0.000164474	0.000443184	0.00146079	0.000916744
2076 Dec	0.053220265	7.75349E-06	1.489320993	8.344356537	0.036902163	0.000611199	15.14775562	0.002944182	0.006143632	0.000144876	0.000478345	0.00020637	0.103665315	2.00664E-06	0.000164482	0.000443204	0.001460857	0.000916782
2077 Jan	0.053220991	7.75355E-06	1.489331841	8.344399452	0.036902521	0.000611202	15.14783287	0.002944198	0.006143688	0.000144877	0.000478347	0.000206371	0.103666134	2.00665E-06	0.000164482	0.000443208	0.001460866	0.000916786
2077 Feb	0.053222038	7.75364E-06	1.489351392	8.34449482	0.036903169	0.000611209	15.14800358	0.002944231	0.006143769	0.00014488	0.000478352	0.000206374	0.103667594	2.00667E-06	0.000164484	0.000443215	0.001460883	0.000916795
2077 Mar	0.05322399	7.75389E-06	1.489400744	8.344763756	0.03690448	0.000611228	15.14848995	0.002944326	0.006143972	0.000144885	0.000478367	0.00020638	0.103671089	2.00674E-06	0.00016449	0.000443231	0.00146093	0.000916824
2077 Apr	0.053240564	7.75629E-06	1.489861488	8.347340584	0.036915947	0.000611417	15.15316772	0.002945235	0.006145873	0.00014493	0.000478515	0.000206444	0.103703193	2.00736E-06	0.00016454	0.000443368	0.001461381	0.000917107
2077 May	0.053438921	7.76375E-06	1.491388083	8.350288391	0.037011452	0.000611492	15.15477467	0.002946382	0.00615423	0.000145781	0.000478655	0.000206528	0.103846565	2.00843E-06	0.000164583	0.000444476	0.001462615	0.000916996
2077 Jun	0.053849202	7.7467E-06	1.486518025	8.303772926	0.037112981	0.000607546	15.04009819	0.002930887	0.006145913	0.000147893	0.000476137	0.000205418	0.103661634	1.9983E-06	0.000163641	0.000445893	0.001458403	0.000910355
2077 Jul	0.054093156	7.78251E-06	1.492463589	8.336557388	0.037260432	0.000609952	15.09441757	0.002942783	0.006173308	0.000148467	0.000478132	0.000206232	0.104077436	2.00657E-06	0.000164306	0.000447839	0.001465021	0.000913948
2077 Aug	0.054300267	7.81476E-06	1.498168707	8.36986351	0.037402924	0.00061247	15.1483717	0.002954568	0.006196879	0.000148977	0.000480036	0.000207052	0.104484893	2.01402E-06	0.000164971	0.000449497	0.001470577	0.000917664
2077 Sep	0.054204479	7.80495E-06	1.49442625	8.349005699	0.037293296	0.000611597	15.09455013	0.00294755	0.006186969	0.00014835	0.000478741	0.00020652	0.10424675	2.00872E-06	0.00016463	0.000448115	0.001466717	0.000915381
2077 Oct	0.054207139	7.80492E-06	1.493674159	8.343720436	0.037264779	0.000611539	15.08040524	0.002945854	0.006187852	0.000148176	0.000478383	0.000206378	0.104200996	2.00774E-06	0.000164563	0.000447802	0.001465916	0.000914745
2077 Nov	0.054220594	7.80685E-06	1.494015694	8.345596313	0.037272956	0.000611688	15.08361053	0.002946522	0.006189409	0.000148206	0.000478488	0.000206424	0.104225099	2.0082E-06	0.000164602	0.000447901	0.001466249	0.000914949
2077 Dec	0.054223184	7.80721E-06	1.49408102	8.345943451	0.037274513	0.000611716	15.08424091	0.002946646	0.006189707	0.000148212	0.000478508	0.000206433	0.104229644	2.00829E-06	0.000164609	0.00044792	0.001466312	0.000914986
2078 Jan	0.054224353	7.80734E-06	1.49410522	8.346063614	0.037275191	0.000611725	15.0844574	0.002946689	0.006189817	0.000148215	0.000478515	0.000206436	0.104231395	2.00832E-06	0.000164611	0.000447928	0.001466335	0.000914998
2078 Feb	0.054225449	7.80744E-06	1.494127035	8.34617424	0.037275881	0.000611733	15.08465481	0.002946728	0.006189908	0.000148218	0.000478521	0.000206439	0.104233012	2.00834E-06	0.000164613	0.000447936	0.001466354	0.000915009
2078 Mar	0.054226965	7.80763E-06	1.494164467	8.346376419	0.037276886	0.000611747	15.08501816	0.002946799	0.006190063	0.000148222	0.000478532	0.000206443	0.104235664	2.00839E-06	0.000164617	0.000447948	0.00146639	0.000915031
2078 Apr	0.054257706	7.81204E-06	1.495008945	8.351089478	0.037297998	0.000612093	15.09353733	0.002948463	0.006193562	0.000148306	0.000478802	0.00020656	0.104294613	2.00953E-06	0.00016471	0.000448201	0.001467218	0.000915548
2078 May	0.054742943	7.81727E-06	1.496370316	8.340994835	0.037504125	0.00061093	15.06599522	0.002945253	0.006205739	0.000150566	0.000478133	0.000206347	0.104497477	2.00852E-06	0.000164463	0.00045057	0.001467775	0.000913095
2078 Jun	0.055147763	7.80173E-06	1.492748022	8.304415703	0.037638493	0.000607698	14.97069168	0.002932772	0.006198004	0.000152759	0.000476045	0.000205471	0.104405425	1.99949E-06	0.000163694	0.000452118	0.001463748	0.000907656
2078 Jul	0.055402424	7.83905E-06	1.499303222	8.341747284	0.03780406	0.000610445	15.03269196	0.002946069	0.006226218	0.000153404	0.000478224	0.000206393	0.10486982	2.00826E-06	0.00016444	0.000454129	0.001470421	0.000911779
2078 Aug	0.055543389	7.8619E-06	1.502716064	8.362505913	0.037888419	0.000612072	15.06025028	0.002953522	0.006241433	0.000153676	0.000479409	0.000206901	0.105121821	2.01266E-06	0.000164866	0.000455052	0.001473784	0.000914131
2078 Sep	0.055611357	7.87409E-06	1.504401803	8.372550011	0.037926827	0.000612999	15.07173347	0.002957169	0.006249413	0.000153755	0.000479958	0.000207146	0.105248958	2.01475E-06	0.000165083	0.000455461	0.001475366	0.000915264
2078 Oct	0.055596281	7.87308E-06	1.503607273	8.368717194	0.037902292	0.000612941	15.0586462	0.002955875	0.006248208	0.000153586	0.000479706	0.00020704	0.105203569	2.01353E-06	0.000165033	0.000455169	0.00147451	0.000914862
2078 Nov	0.055603571	7.87412E-06	1.503668547	8.368918419	0.037902117	0.000613015	15.05806732	0.002955975	0.006249155	0.000153573	0.000479708	0.000207043	0.105209239	2.01361E-06	0.000165044	0.000455171	0.001474557	0.000914876
2078 Dec	0.055605497	7.87438E-06	1.503714561	8.369155884	0.037903201	0.000613034	15.05849934	0.00295606	0.006249376	0.000153577	0.000479721	0.000207048	0.10521245	2.01367E-06	0.000165048	0.000455184	0.001474602	0.000914902
2079 Jan	0.055606045	7.87441E-06	1.503720999	8.369176865	0.037903447	0.000613036	15.05853653	0.002956068	0.006249412	0.000153578	0.000479722	0.000207049	0.105212964	2.01368E-06	0.000165049	0.000455187	0.001474607	0.000914903
2079 Feb	0.055606529	7.87443E-06	1.503725767	8.369190216	0.037903711	0.000613037	15.05855846	0.002956072	0.006249432	0.000153579	0.000479722	0.000207049	0.105213389	2.01368E-06	0.000165049	0.00045519	0.00147461	0.000914903
2079 Mar	0.055609915	7.87488E-06	1.50381279	8.369667053	0.037905987	0.000613071	15.05941582	0.00295624	0.006249794	0.000153589	0.00047975	0.000207061	0.105219528	2.0138E-06	0.000165058	0.000455217	0.001474694	0.000914955
2079 Apr	0.055627979	7.87742E-06	1.504298687	8.372366905	0.037918273	0.000613269	15.06427288	0.002957194	0.006251813	0.000153639	0.000479904	0.000207128	0.105253555	2.01445E-06	0.000165112	0.000455364	0.00147517	0.00091525
2079 May	0.0557242	7.88805E-06	1.506346107	8.382933617	0.037978012	0.000614023	15.08283615	0.002960942	0.006260627	0.000153948	0.000480506	0.000207391	0.105401918	2.01706E-06	0.000165318	0.000456077	0.001477141	0.000916341
2079 Jun	0.055877972	7.86973E-06	1.498352408	8.321846962	0.037883699	0.000609276	14.94552422	0.002941492	0.006248047	0.000154491	0.000477626	0.00020593	0.104908079	2.00632E-06	0.000164183	0.000455988	0.001473435	0.000908657
2079 Jul	0.055970546	7.88586E-06	1.49934423	8.327771187	0.037907701	0.000609729	14.94231319	0.002944222	0.006257613	0.000154531	0.000478206	0.000206079	0.104985461	2.00807E-06	0.000164341	0.000456607	0.001475996	0.000909357
2079 Aug	0.056172658	7.91591E-06	1.504456282	8.357031822	0.03803527	0.00061194	14.98910713	0.002954659	0.006279793	0.000155013	0.000479882	0.0002068	0.105350725	2.01485E-06	0.000164929	0.000458088	0.001481048	0.000912595
2079 Sep	0.056153942	7.91607E-06	1.503258348	8.351074219	0.03799459	0.00061195	14.96668148	0.002952726	0.006278682	0.000154707	0.000479473	0.000206636	0.105284736	2.01299E-06	0.000164861	0.000457573	0.001479719	0.000911968
2079 Oct	0.056129582	7.91283E-06	1.501783729	8.342118263	0.037946589	0.000611667	14.94453144	0.00294973	0.006276808	0.000154432	0.000478897	0.000206401	0.10519056	2.011E-06	0.000164726	0.000457022	0.001478181	0.000910946
2079 Nov	0.056125544	7.91169E-06	1.501135707	8.337394714	0.037922978	0.00061153	14.93428516	0.002948186	0.006276828	0.000154306	0.000478589	0.000206278	0.10514722	2.01022E-06	0.000164657	0.000456763	0.001477513	0.000910377
2079 Dec	0.056124102	7.91067E-06	1.500626445	8.333302498	0.037903707	0.000611397	14.92641068	0.002946855	0.006277038	0.000154212	0.000478324	0.000206174	0.105111524	2.00967E-06	0.000164595	0.000456556	0.001476998	0.000909873
2080 Jan	0.056125004	7.9107E-06	1.500632048	8.333297729	0.037904032	0.000611398	14.92640114	0.002946854	0.006277085	0.000154213	0.000478323	0.000206174	0.105112061	2.00967E-06	0.000164595	0.000456559	0.001477	0.00090987
2080 Feb	0.056126457	7.91078E-06	1.500652075	8.333379745	0.03790487	0.000611403	14.92654324	0.002946882	0.006277168	0.000154217	0.000478327	0.000206176	0.105113678	2.00969E-06	0.000164597	0.000456568	0.001477015	0.000909876
2080 Mar	0.056127433	7.91085E-06	1.500668049	8.333452225	0.037905451	0.000611408	14.92667103	0.002946907	0.006277235	0.00015422	0.000478331	0.000206177	0.105114907	2.00971E-06	0.000164598	0.000456575	0.001477028	0.000909883
2080 Apr	0.056140181	7.91261E-06	1.501003027	8.33530426	0.037914019	0.000611543	14.92998695	0.002947562	0.006278637	0.000154255	0.000478437	0.000206223	0.105138443	2.01015E-06	0.000164635	0.000456678	0.001477357	0.000910085
2080 May	0.056222945	7.92384E-06	1.503132701	8.347044945	0.037969232	0.000612401	14.95083237	0.002951714	0.006287567	0.000154489	0.000479111	0.000206514	0.105288655	2.01298E-06	0.000164866	0.000457341	0.001479445	0.000911358
2080 Jun	0.056233726	7.92394E-06	1.499062181	8.317668915	0.03786042	0.000610251	14.88353729	0.002943123	0.006286344	0.000154101	0.000478029	0.000205817	0.104991876	2.00941E-06	0.000164377	0.00045706	0.001479658	0.000907937
2080 Jul	0.056321181	7.93909E-06	1.499362588	8.318925858	0.037864164	0.000610382	14.87034702	0.002944404	0.006294957	0.000154064	0.000478382	0.000205854	0.105019376	2.01048E-06	0.000164454	0.000457495	0.001481879	0.000908102
2080 Aug	0.056456327	7.96083E-06	1.502541542	8.337905884	0.037941538	0.000611896	14.89528275	0.002951263	0.006309529	0.000154313	0.000479463	0.00020632	0.105253637	2.01462E-06	0.000164846	0.00045834	0.001485031	0.000910241

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.056456555	7.96443E-06	1.502125978	8.335855484	0.037921365	0.000612113	14.88178349	0.002950752	0.006310279	0.000154109	0.000479288	0.000206263	0.105237521	2.01389E-06	0.000164842	0.000458023	0.001484498	0.000910039
2080 Oct	0.056435961	7.96179E-06	1.50077498	8.327677727	0.037876669	0.000611886	14.86092663	0.002948022	0.006308834	0.000153846	0.000478756	0.000206047	0.105152324	2.01205E-06	0.000164723	0.000457508	0.001483068	0.000909106
2080 Nov	0.056432839	7.96029E-06	1.49992907	8.321173668	0.037844926	0.000611696	14.8475256	0.002945903	0.006309133	0.000153682	0.000478331	0.00020588	0.105094649	2.01108E-06	0.000164627	0.000457162	0.001482195	0.000908312
2080 Dec	0.056435257	7.96049E-06	1.499925613	8.320950508	0.037843905	0.000611703	14.84712219	0.002945842	0.006309455	0.000153676	0.000478314	0.000205874	0.105094284	2.01109E-06	0.000164626	0.000457154	0.00148219	0.000908278
2081 Jan	0.056436516	7.96059E-06	1.499945879	8.321037292	0.037844542	0.00061171	14.84727573	0.002945873	0.006309556	0.000153679	0.000478318	0.000205876	0.105095804	2.01112E-06	0.000164627	0.000457161	0.001482207	0.000908286
2081 Feb	0.056437545	7.96065E-06	1.499959946	8.321095467	0.037845142	0.000611713	14.84737587	0.002945893	0.006309615	0.000153681	0.000478321	0.000205877	0.105096936	2.01113E-06	0.000164628	0.000457168	0.001482218	0.000908291
2081 Mar	0.056439545	7.96089E-06	1.500005841	8.321338654	0.037846427	0.000611731	14.84780693	0.002945978	0.006309808	0.000153687	0.000478335	0.000205883	0.105100229	2.01119E-06	0.000164633	0.000457183	0.001482261	0.000908316
2081 Apr	0.056459457	7.96361E-06	1.500521064	8.324181557	0.037859708	0.000611939	14.8528595	0.002946984	0.006311971	0.000153741	0.000478498	0.000205953	0.105136544	2.01187E-06	0.000164689	0.000457342	0.001482766	0.000908625
2081 May	0.056855671	7.97295E-06	1.502648592	8.322792053	0.038038395	0.000611524	14.8446455	0.002946751	0.006325568	0.000155507	0.000478347	0.000205945	0.105362296	2.0127E-06	0.000164626	0.000459408	0.00148426	0.000907473
2081 Jun	0.057180602	7.96605E-06	1.500852346	8.300869942	0.038157534	0.000609498	14.78386879	0.002939337	0.006323397	0.00015719	0.000477109	0.000205426	0.105353296	2.00727E-06	0.000164158	0.000460807	0.001482217	0.000904032
2081 Jul	0.057461437	8.00642E-06	1.508108139	8.341878891	0.038343173	0.000612509	14.85306644	0.002953913	0.006354343	0.000157929	0.000479501	0.000206438	0.105867252	2.01693E-06	0.000164974	0.00046308	0.001489579	0.000908541
2081 Aug	0.057721552	8.04438E-06	1.514984369	8.381094933	0.038518596	0.000615427	14.91871071	0.002967795	0.006383098	0.000158613	0.000481754	0.000207405	0.106356554	2.02596E-06	0.000165754	0.000465163	0.001496338	0.000912865
2081 Sep	0.057769898	8.05418E-06	1.516147137	8.388719559	0.038544334	0.000616192	14.9244051	0.002970568	0.006388918	0.000158627	0.000482163	0.000207588	0.10644985	2.02727E-06	0.000165926	0.000465419	0.001497389	0.000913752
2081 Oct	0.057779089	8.05638E-06	1.516129851	8.389084816	0.038540378	0.000616384	14.92053604	0.002970738	0.006390367	0.000158557	0.000482159	0.000207588	0.106456056	2.02713E-06	0.000165952	0.000465371	0.00149731	0.000913806
2081 Nov	0.057752494	8.05285E-06	1.515019417	8.382556915	0.038506363	0.000616102	14.90572834	0.002968515	0.006387929	0.000158375	0.000481751	0.000207419	0.106382817	2.02564E-06	0.000165845	0.000464974	0.001496164	0.000913073
2081 Dec	0.057754066	8.05292E-06	1.514970541	8.382041931	0.038503829	0.000616097	14.90469074	0.002968355	0.006388186	0.000158361	0.000481716	0.000207406	0.10637939	2.02559E-06	0.000165839	0.000464949	0.001496113	0.000913006
2082 Jan	0.057754993	8.05297E-06	1.514979601	8.382061958	0.038504217	0.000616099	14.90472507	0.002968363	0.006388243	0.000158362	0.000481716	0.000207406	0.10638015	2.0256E-06	0.000165839	0.000464953	0.001496119	0.000913006
2082 Feb	0.057756614	8.0531E-06	1.515006542	8.382184982	0.038505182	0.000616108	14.90494251	0.002968406	0.006388357	0.000158367	0.000481723	0.000207409	0.106382221	2.02563E-06	0.000165841	0.000464964	0.001496141	0.000913017
2082 Mar	0.057759929	8.0535E-06	1.515085101	8.38260746	0.038507331	0.000616139	14.90568924	0.002968555	0.006388688	0.000158376	0.000481747	0.00020742	0.106387831	2.02574E-06	0.00016585	0.000464989	0.001496217	0.000913062
2082 Apr	0.057775047	8.05558E-06	1.515476704	8.384765625	0.038517375	0.000616297	14.90952682	0.002969319	0.006390339	0.000158417	0.000481871	0.000207473	0.106415384	2.02626E-06	0.000165892	0.00046511	0.001496602	0.000913297
2082 May	0.057847518	8.06565E-06	1.517369628	8.395254135	0.038565736	0.000617067	14.928092	0.002973032	0.00639831	0.000158617	0.000482473	0.000207732	0.106548563	2.02878E-06	0.0001661	0.000465694	0.001498469	0.000914439
2082 Jun	0.057733797	8.05E-06	1.508496284	8.336723328	0.038325842	0.00061278	14.80307293	0.002954932	0.006383815	0.000157669	0.00048	0.000206328	0.105904236	2.01978E-06	0.000165077	0.000464312	0.001495921	0.000907789
2082 Jul	0.057760593	8.05714E-06	1.506226778	8.32186985	0.038261104	0.000611715	14.75816727	0.00295102	0.006385891	0.00015735	0.000479623	0.000205976	0.105744608	2.01801E-06	0.00016486	0.000464268	0.001496935	0.000906149
2082 Aug	0.057957239	8.08699E-06	1.511253953	8.35072422	0.038386922	0.000613938	14.80318451	0.00296132	0.006407596	0.000157809	0.000481274	0.000206687	0.106105961	2.0246E-06	0.000165443	0.000465731	0.001501895	0.000909345
2082 Sep	0.058024339	8.09858E-06	1.512858391	8.360515594	0.038424153	0.000614841	14.81409454	0.002964848	0.006415457	0.000157887	0.000481811	0.000206922	0.106228486	2.02655E-06	0.000165656	0.000466148	0.001503401	0.000910452
2082 Oct	0.057900377	8.08278E-06	1.508612514	8.337036133	0.038301989	0.000613663	14.76121044	0.002956717	0.006403175	0.000157242	0.000480368	0.000206318	0.10594812	2.02069E-06	0.000165253	0.000464687	0.001499003	0.000907878
2082 Nov	0.057912353	8.08438E-06	1.508826971	8.338035583	0.038306035	0.000613778	14.76255417	0.002957095	0.006404604	0.000157252	0.000480419	0.000206341	0.105963722	2.02099E-06	0.000165278	0.00046474	0.001499208	0.000907978
2082 Dec	0.057915408	8.0848E-06	1.508900642	8.338422775	0.03830782	0.000613809	14.76324463	0.002957234	0.006404948	0.00015726	0.000480441	0.000206351	0.10596887	2.02109E-06	0.000165285	0.000464762	0.001499281	0.000908019
2083 Jan	0.057916488	8.0849E-06	1.508920431	8.338515282	0.038308404	0.000613816	14.76340866	0.002957267	0.006405042	0.000157262	0.000480446	0.000206353	0.105970331	2.02111E-06	0.000165287	0.000464769	0.001499299	0.000908028
2083 Feb	0.057918746	8.08516E-06	1.508970737	8.338780403	0.038309839	0.000613835	14.76387501	0.00295736	0.006405255	0.000157268	0.000480461	0.000206359	0.105973959	2.02118E-06	0.000165292	0.000464786	0.001499347	0.000908056
2083 Mar	0.057923045	8.08573E-06	1.509078026	8.339365005	0.038312647	0.000613878	14.76490974	0.002957568	0.006405711	0.00015728	0.000480494	0.000206374	0.105981551	2.02132E-06	0.000165304	0.00046482	0.001499452	0.000908119
2083 Apr	0.057944093	8.08865E-06	1.509624004	8.342377663	0.038326554	0.0006141	14.77024269	0.002958636	0.006408027	0.000157337	0.000480668	0.000206448	0.106019914	2.02205E-06	0.000165364	0.000464989	0.001499994	0.000908447
2083 May	0.058277294	8.0995E-06	1.511969805	8.344977379	0.038481813	0.000614049	14.77102375	0.002959766	0.006421586	0.000158781	0.000480761	0.000206535	0.106242411	2.02366E-06	0.000165387	0.000466796	0.001501849	0.000907949
2083 Jun	0.058749553	8.07934E-06	1.507421494	8.297548294	0.038623363	0.000609901	14.65817547	0.002943732	0.006413045	0.000161329	0.000478091	0.000205408	0.106096059	2.01327E-06	0.000164398	0.000468533	0.00149721	0.000900977
2083 Jul	0.05890226	8.10374E-06	1.510748625	8.317863464	0.038709477	0.000611412	14.68271542	0.002951187	0.006429259	0.000161621	0.000479368	0.000205906	0.1063421	2.01771E-06	0.000164822	0.000469672	0.001501172	0.000903287
2083 Aug	0.059040237	8.12477E-06	1.513305426	8.332413673	0.038767237	0.000612627	14.69856739	0.002956653	0.006443271	0.000161812	0.000480194	0.000206264	0.106531695	2.02128E-06	0.000165137	0.000470258	0.001503827	0.000904904
2083 Sep	0.059037838	8.12714E-06	1.512732387	8.33013916	0.038743291	0.000612847	14.68430805	0.002955968	0.006444116	0.000161585	0.000480002	0.000206191	0.106507212	2.02027E-06	0.000165134	0.000469948	0.001503106	0.000904689
2083 Oct	0.058951333	8.11537E-06	1.509117842	8.308261871	0.038629279	0.000611909	14.63671207	0.00294853	0.006436599	0.000160976	0.000478626	0.000205627	0.106265195	2.01552E-06	0.000164777	0.000468621	0.001499355	0.000902212
2083 Nov	0.058929078	8.11217E-06	1.508081794	8.301740646	0.038595606	0.000611643	14.62277508	0.002946328	0.00643478	0.000160797	0.000478213	0.000205459	0.106195398	2.01419E-06	0.000164672	0.000468233	0.00149828	0.000901463
2083 Dec	0.05893115	8.11244E-06	1.508126736	8.301961899	0.038596634	0.000611662	14.62316704	0.002946409	0.006435014	0.000160801	0.000478225	0.000205465	0.106198542	2.01425E-06	0.000164676	0.000468246	0.001498324	0.000901486
2084 Jan	0.058931913	8.11249E-06	1.508136034	8.301992416	0.03859698	0.000611665	14.62322044	0.00294642	0.006435066	0.000160803	0.000478226	0.000205465	0.106199272	2.01426E-06	0.000164677	0.000468249	0.001498331	0.000901488
2084 Feb	0.058933161	8.11259E-06	1.508157372	8.302092552	0.038597725	0.000611672	14.62339306	0.002946455	0.006435157	0.000160806	0.000478232	0.000205468	0.106200904	2.01429E-06	0.000164679	0.000468258	0.001498349	0.000901498
2084 Mar	0.058937669	8.11317E-06	1.508267045	8.302686691	0.038600639	0.000611715	14.62443924	0.002946666	0.006435625	0.000160818	0.000478266	0.000205482	0.106208697	2.01443E-06	0.000164691	0.000468293	0.001498457	0.000901561
2084 Apr	0.058970045	8.11761E-06	1.50909245	8.307225227	0.038621824	0.000612049	14.63243198	0.002948276	0.006439147	0.000160907	0.000478527	0.000205595	0.106266856	2.01553E-06	0.000164781	0.00046855	0.001499276	0.000902054
2084 May	0.059402063	8.12919E-06	1.511690617	8.307617188	0.038819723	0.000611742	14.62737656	0.002948686	0.006454948	0.000162823	0.000478474	0.000205634	0.106529631	2.01687E-06	0.000164749	0.000470841	0.001501194	0.000901036
2084 Jun	0.0597234	8.10615E-06	1.506729603	8.264701843	0.038909107	0.000608019	14.52276039	0.002933942	0.006440848	0.000164747	0.000476049	0.000204602	0.106333397	2.00631E-06	0.000163854	0.000471882	0.001496001	0.000894997
2084 Jul	0.059920147	8.13558E-06	1.511361837	8.291790962	0.039029781	0.00061002	14.56208992	0.002943712	0.006461857	0.000165203	0.000477686	0.000205269	0.106669344	2.01243E-06	0.000164405	0.000473411	0.001501055	0.000898017
2084 Aug	0.060089055	8.16162E-06	1.515578747	8.316626549	0.039137267	0.000611946	14.59812927	0.002952578	0.006480076	0.000165585	0.000479107	0.000205879	0.106977686	2.01784E-06	0.000164909	0.00047464	0.001505199	0.00090079
2084 Sep	0.060083706	8.16467E-06	1.515301585	8.316333771	0.039123695	0.0006122	14.58836937	0.002952578	0.00648031	0.000165412	0.000479049	0.000205864	0.106971346	2.01722E-06	0.00016493	0.000474411	0.001504798	0.00090082
2084 Oct	0.060031217	8.15822E-06	1.513104081	8.303355217	0.039052542	0.000611705	14.55852699	0.002948174	0.006476111	0.000165009	0.000478224	0.000205526	0.106826246	2.0143E-06	0.000164725	0.000473581	0.001502495	0.000899364
2084 Nov	0.06002	8.15662E-06	1.512468457	8.29920578	0.039030388	0.000611566	14.54944611	0.002946789	0.006475424	0.000164886	0.000477956	0.000205418	0.106783569	2.0135E-06	0.000164662	0.000473329	0.00150183	0.000898882
2084 Dec	0.060022756	8.15698E-06	1.512531638	8.299530029	0.039031923	0.000611593	14.55002213	0.002946907	0.006475728	0.000164892	0.000477974	0.000205426	0.106788009	2.01358E-06	0.000164669	0.000473348	0.001501893	0.000898916
2085 Jan	0.060023312	8.157E-06	1.512536883	8.29954052	0.039032146	0.000611594	14.5500412	0.002946911	0.006475762	0.000164893	0.000477974	0.000205426	0.106788449	2.01359E-06	0.000164669	0.00047335	0.001501896	0.000898916
2085 Feb	0.06002453	8.15711E-06	1.512558818	8.299646378	0.039032884	0.000611601	14.55022335	0.002946948	0.006475855	0.000164896	0.00047798	0.000205429	0.106790096	2.01362E-06	0.000164671	0.000473359	0.001501915	0.000898926
2085 Mar	0.060026377	8.15733E-06	1.512600422	8.299866676	0.03903405	0.000611617	14.55060863	0.002947026	0.006476033	0.000164901	0.000477993	0.000205434	0.106793098	2.01367E-06	0.000164675	0.000473372	0.001501955	0.000898949
2085 Apr	0.060043935	8.1597E-06	1.513040066	8.302274704	0.039045449	0.000611794	14.5548296	0.002947881	0.006477915	0.00016495	0.000478131	0.000205494	0.106824175	2.01425E-06	0.000164723	0.00047351	0.001502391	0.00089921
2085 May	0.060376823	8.16901E-06	1.515091419	8.303333282	0.039200403	0.000611609	14.55116653	0.00294844	0.006490029	0.000166428	0.000478135	0.000205541	0.107032388	2.01528E-06	0.000164713	0.000475298	0.001503901	0.000898527
2085 Jun	0.060724083	8.17116E-06	1.515259862	8.29308033	0.039346643	0.000610483	14.51684666	0.002945107	0.006495382	0.000168088	0.000477551	0.00020531	0.107141599	2.01298E-06	0.000164477	0.000477022	0.001503772	0.000896462
2085 Jul	0.060970217	8.20619E-06	1.521161318	8.326708794	0.039499912	0.000612975	14.5696373	0.002957134	0.006521435	0.000168703	0.000479518	0.000206138	0.1075662	2.02076E-06	0.000165154	0.000478877	0.001509816	0.000900163
2085 Aug	0.061028387	8.21952E-06	1.522509575	8.336717606	0.03953084	0.000613909	14.5742178	0.002960806	0.006527797	0.000168706	0.000480073	0.00020638	0.107679121	2.02223E-06	0.000165374	0.000479121	0.00151108	0.000901378
2085 Sep	0.060957495	8.21426E-06	1.52009511	8.323624611	0.039451487	0.000613499	14.53888988	0.002956427	0.006521985	0.000168195	0.00047923	0.000206041	0.107524723	2.01886E-06	0.000165173	0.000478105	0.001508502	0.000899978
2085 Oct	0.060896035	8.20698E-06	1.517788053	8.31038475	0.039378103	0.00061296	14.50855255	0.002951906	0.006516885	0.000167779	0.000478395	0.000205697	0.107371867	2.01577E-06	0.000164959	0.000477243	0.001506092	0.000898511
2085 Nov	0.06086402	8.20277E-06	1.516556859	8.302937508	0.039338749	0.000612629	14.49285126	0.00294937	0.00651419	0.000167568	0.000477929	0.000205506	0.107288219	2.01418E-06	0.000164837	0.000476785	0.001504821	0.00089767
2085 Dec	0.060865443	8.20294E-06	1.516584277	8.303058624	0.039339323	0.000612641	14.49306965	0.002949415	0.006514353	0.000167571	0.000477935	0.000205509	0.107290119	2.01422E-06	0.000164839	0.000476793	0.001504848	0.000897682
2086 Jan	0.060866173	8.20298E-06	1.516592026	8.303078651	0.039339636	0.000612643	14.49310493	0.002949423	0.006514399	0.000167572	0.000477936	0.000205509	0.107290752	2.01423E-06	0.00016484	0.000476796	0.001504854	0.000897683
2086 Feb	0.060867053	8.20303E-06	1.516603231	8.30312252	0.039340135	0.000612646	14.49317837	0.002949438	0.006514447	0.000167574	0.000477938	0.00020551	0.107291684	2.01424E-06	0.00016484	0.000476802	0.001504862	0.000897686
2086 Mar	0.06086944	8.20331E-06	1.516656876	8.303405762	0.039341636	0.000612667	14.49367332	0.002949538	0.006514677	0.000167581	0.000477954	0.000205517	0.107295543	2.01431E-06	0.000164846	0.00047682	0.001504913	0.000897716
2086 Apr	0.060893688	8.20655E-06	1.51725781	8.306690216	0.039357293	0.000612909	14.49940491	0.002950705	0.006517258	0.000167648	0.000478143	0.000205598	0.107338101	2.0151E-06	0.000164911	0.000477009	0.001505509	0.00089807
2086 May	0.061060738	8.21808E-06	1.519502044	8.315690041	0.039446067	0.000613493	14.51389122	0.002953966	0.006527997	0.000168279	0.000478643	0.000205828	0.107515171	2.0176E-06	0.000165081	0.00047806	0.001507581	0.000898793
2086 Jun	0.061426412	8.20077E-06	1.514533162	8.267620087	0.039516222	0.000609411	14.40507793	0.002938149	0.006520572	0.000170143	0.000476125	0.000204689	0.107290231	2.0084E-06	0.000164116	0.000479288	0.001503985	0.000892041
2086 Jul	0.061633226	8.23238E-06	1.518819451	8.292395592	0.039627191	0.000611245	14.43619728	0.00294738	0.006542508	0.000170547	0.000477733	0.000205302	0.107602306	2.01431E-06	0.000164637	0.000480862	0.001509398	0.000894807
2086 Aug	0.061787993	8.25697E-06	1.522435546	8.314052582	0.039717898	0.000612978	14.46404743	0.002955189	0.006558881	0.000170847	0.000478968	0.000205833	0.107871309	2.01892E-06	0.000165085	0.000481861	0.001512966	0.000897242
2086 Sep	0.061751105	8.25701E-06	1.521105886	8.306742668	0.039667279	0.000612929	14.44011497	0.002952884	0.00655655	0.000170468	0.000478467	0.000205646	0.107790098	2.01704E-06	0.000164988	0.000481156	0.001511485	0.000896474
2086 Oct	0.061755214	8.2583E-06	1.520846725	8.305212021	0.039653789	0.000613039	14.43339062	0.002952423	0.006557785	0.000170352	0.000478342	0.000205599	0.107777692	2.01666E-06	0.000164983	0.000481004	0.001511159	0.000896299
2086 Nov	0.061770063	8.2603E-06	1.521199942	8.307122231	0.039662778	0.000613187	14.43662262	0.002953106	0.006559385	0.000170389	0.000478451	0.000205646	0.107802838	2.01713E-06	0.000165022	0.000481113	0.001511508	0.000896504
2086 Dec	0.061772253	8.26058E-06	1.521249652	8.307378769	0.039664008	0.000613207	14.43707275	0.002953198	0.006559623	0.000170394	0.000478465	0.000205652	0.10780634	2.0172E-06	0.000165027	0.000481128	0.001511558	0.000896531
2087 Jan	0.061772924	8.26064E-06	1.521260381	8.307425499	0.039664347	0.000613211	14.43715382	0.002953215	0.006559677	0.000170396	0.000478468	0.000205653	0.107807152	2.01721E-06	0.000165028	0.000481132	0.001511567	0.000896535
2087 Feb	0.061774764	8.26085E-06	1.521299958	8.307631493	0.03966549	0.000613226	14.43750954	0.002953288	0.006559846	0.000170401	0.000478479	0.000205658	0.107810028	2.01726E-06	0.000165032	0.000481146	0.001511605	0.000896557
2087 Mar	0.061780274	8.26156E-06	1.521432281	8.308348656	0.039669007	0.000613278	14.43875599	0.002953543	0.006560417	0.000170416	0.000478521	0.000205676	0.107819445	2.01744E-06	0.000165046	0.000481188	0.001511735	0.000896634
2087 Apr	0.061792862	8.26323E-06	1.521740437	8.310028076	0.039677076	0.000613402	14.44167423	0.00295414	0.006561746	0.000170451	0.000478617	0.000205718	0.107841313	2.01785E-06	0.00016508	0.000481286	0.001512041	0.000896815
2087 May	0.061976366	8.26822E-06	1.522836685	8.31062603	0.03976354	0.000613294	14.43895054	0.002954438	0.00656812	0.000171274	0.00047862	0.000205744	0.107955776	2.01829E-06	0.000165074	0.000482277	0.00151282	0.000896444
2087 Jun	0.062371291	8.26212E-06	1.521335125	8.286707878	0.039909095	0.000611036	14.37716484	0.002946448	0.00656865	0.000173275	0.000477276	0.000205185	0.107972659	2.01318E-06	0.000164559	0.000484035	0.001511143	0.000892563
2087 Jul	0.062568739	8.29073E-06	1.525688767	8.311710358	0.040021703	0.000612907	14.41265583	0.002955525	0.006589157	0.000173716	0.000478773	0.000205801	0.108289361	2.01899E-06	0.000165071	0.000485427	0.00151585	0.000895327

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.06279207	8.32211E-06	1.531021714	8.34178257	0.040160179	0.000615175	14.46003819	0.002966267	0.00661258	0.000174276	0.000480502	0.000206542	0.108674102	2.02597E-06	0.000165676	0.000487058	0.001521147	0.000898618
2087 Sep	0.062892579	8.33741E-06	1.533363938	8.355535507	0.040217906	0.000616359	14.47822571	0.002971184	0.00662381	0.000174455	0.000481269	0.000206874	0.108849257	2.02889E-06	0.000165968	0.00048774	0.001523392	0.000900143
2087 Oct	0.062877677	8.33652E-06	1.532685757	8.352024078	0.040193718	0.000616323	14.46745872	0.002970005	0.006623088	0.000174285	0.00048103	0.000206777	0.10880819	2.02792E-06	0.000165924	0.000487454	0.001522642	0.000899768
2087 Nov	0.062871896	8.33589E-06	1.532360554	8.349975586	0.040181711	0.000616273	14.46258545	0.002969324	0.006622857	0.000174212	0.000480895	0.000206723	0.108786799	2.02751E-06	0.000165894	0.000487317	0.001522295	0.000899534
2087 Dec	0.062873989	8.33616E-06	1.532406211	8.350203514	0.040182814	0.000616292	14.46298599	0.002969407	0.006623085	0.000174216	0.000480908	0.000206728	0.10879001	2.02757E-06	0.000165899	0.00048733	0.00152234	0.000899558
2088 Jan	0.062875122	8.33627E-06	1.532426119	8.350296021	0.040183421	0.000616299	14.46314526	0.00296944	0.006623182	0.000174219	0.000480912	0.000206731	0.108791485	2.0276E-06	0.000165901	0.000487338	0.001522358	0.000899566
2088 Feb	0.062876038	8.33633E-06	1.532440543	8.35036087	0.040183958	0.000616304	14.46325588	0.002969463	0.006623243	0.000174221	0.000480916	0.000206732	0.10879261	2.02761E-06	0.000165902	0.000487343	0.00152237	0.000899572
2088 Mar	0.062881939	8.33709E-06	1.532579899	8.351112366	0.040187698	0.000616359	14.46455765	0.00296973	0.006623845	0.000174238	0.000480959	0.000206751	0.108802557	2.02779E-06	0.000165917	0.000487389	0.001522507	0.000899652
2088 Apr	0.062930159	8.34344E-06	1.5337497	8.357481956	0.040218499	0.000616829	14.4755764	0.002971994	0.006628898	0.000174371	0.000481326	0.000206908	0.108885705	2.02934E-06	0.000166044	0.000487762	0.001523667	0.000900338
2088 May	0.063047603	8.3575E-06	1.536374927	8.371511459	0.040292479	0.000617851	14.49942303	0.002976969	0.006640185	0.0001747	0.000482126	0.000207253	0.109075785	2.03269E-06	0.00016632	0.000488643	0.001526209	0.00090182
2088 Jun	0.063097119	8.35679E-06	1.532650709	8.342668533	0.040209804	0.000615654	14.4350214	0.002968451	0.006639483	0.000174566	0.000481029	0.000206573	0.10881152	2.02923E-06	0.000165825	0.000488599	0.001526396	0.000898337
2088 Jul	0.063342124	8.39173E-06	1.537707448	8.369876862	0.040339489	0.000617665	14.4743433	0.002978625	0.006665502	0.000175091	0.000482788	0.000207252	0.109170951	2.03637E-06	0.000166395	0.000490463	0.001532701	0.000901287
2088 Aug	0.063663609	8.43603E-06	1.545541048	8.413460732	0.040544305	0.00062093	14.54596424	0.002994149	0.006699419	0.00017594	0.000485297	0.000208328	0.109732524	2.04663E-06	0.000167267	0.000492916	0.001540479	0.000906027
2088 Sep	0.063751481	8.45005E-06	1.547736526	8.426845551	0.040600635	0.000622024	14.56356239	0.002998903	0.006709073	0.000176117	0.000486055	0.000208653	0.109897308	2.04931E-06	0.000167543	0.000493565	0.001542589	0.000907534
2088 Oct	0.06363564	8.43653E-06	1.54411447	8.406837463	0.040489439	0.000621071	14.51966953	0.002991977	0.006698866	0.000175499	0.000484813	0.000208137	0.1096536	2.04444E-06	0.000167205	0.00049224	0.001538815	0.000905357
2088 Nov	0.063626915	8.43544E-06	1.543620706	8.403603554	0.040471178	0.000620981	14.51247406	0.002990902	0.006698502	0.000175392	0.000484601	0.000208052	0.109620407	2.04383E-06	0.000167157	0.000492032	0.00153829	0.000904983
2088 Dec	0.063629881	8.43582E-06	1.543686986	8.403944016	0.04047282	0.000621008	14.51306534	0.002991025	0.006698821	0.000175399	0.00048462	0.00020806	0.109625079	2.04392E-06	0.000167164	0.000492052	0.001538355	0.000905018
2089 Jan	0.063630797	8.4359E-06	1.54370141	8.404005051	0.040473286	0.000621013	14.51317215	0.002991047	0.006698894	0.000175401	0.000484623	0.000208062	0.109626167	2.04394E-06	0.000167165	0.000492057	0.001538368	0.000905024
2089 Feb	0.063632235	8.43603E-06	1.543728232	8.404137611	0.04047415	0.000621022	14.51339817	0.002991094	0.00669901	0.000175405	0.00048463	0.000208065	0.109628178	2.04397E-06	0.000167168	0.000492067	0.001538392	0.000905037
2089 Mar	0.063639447	8.43696E-06	1.543898702	8.405057907	0.040478706	0.00062109	14.51498604	0.002991421	0.00669975	0.000175425	0.000484683	0.000208088	0.109640345	2.04419E-06	0.000167186	0.000492122	0.001538561	0.000905135
2089 Apr	0.063670255	8.44102E-06	1.544643044	8.409105301	0.04049829	0.000621389	14.52197552	0.002992862	0.006702979	0.00017551	0.000484916	0.000208188	0.109693244	2.04518E-06	0.000167267	0.00049236	0.001539302	0.000905571
2089 May	0.063939705	8.45002E-06	1.546552777	8.412195206	0.040628709	0.000621404	14.52190018	0.002994069	0.006713388	0.000176692	0.00048505	0.000208279	0.109880164	2.04629E-06	0.000167303	0.000493859	0.001540757	0.000905306
2089 Jun	0.064394578	8.45298E-06	1.546999454	8.399346352	0.040820666	0.00061997	14.48158932	0.002989907	0.00672133	0.000178866	0.000484307	0.000207993	0.110031307	2.04378E-06	0.000167003	0.000496123	0.00154078	0.000902648
2089 Jul	0.064626276	8.4857E-06	1.552158117	8.428612709	0.040954888	0.000622159	14.52478313	0.003000484	0.006745241	0.000179409	0.000486035	0.000208714	0.110405579	2.05063E-06	0.0001676	0.000497757	0.001546208	0.000905862
2089 Aug	0.064845257	8.51629E-06	1.557073355	8.456134796	0.041080981	0.000624257	14.56642246	0.003010401	0.006767816	0.000179921	0.000487618	0.000209393	0.110761471	2.05714E-06	0.000168159	0.000499225	0.001551146	0.000908867
2089 Sep	0.064886324	8.52467E-06	1.557918429	8.462258339	0.041097682	0.000624959	14.56862545	0.003012613	0.006773117	0.000179887	0.000487933	0.000209531	0.110834777	2.05799E-06	0.000168308	0.000499401	0.001551861	0.000909593
2089 Oct	0.064749509	8.50855E-06	1.553562284	8.437592506	0.040960666	0.000623806	14.51582527	0.003004108	0.006761488	0.000179127	0.000486397	0.000208895	0.11053893	2.05224E-06	0.000167893	0.000497779	0.001547333	0.000906887
2089 Nov	0.064754792	8.50922E-06	1.553505063	8.436850548	0.040955599	0.000623846	14.51373005	0.003003897	0.006762408	0.000179089	0.000486337	0.000208874	0.110535629	2.05221E-06	0.000167889	0.000497728	0.001547258	0.000906787
2089 Dec	0.064758293	8.50967E-06	1.55358386	8.43725872	0.040957585	0.000623878	14.51443863	0.003004044	0.00676278	0.000179098	0.000486361	0.000208884	0.11054121	2.05231E-06	0.000167897	0.000497753	0.001547336	0.00090683
2090 Jan	0.064760089	8.50986E-06	1.553619742	8.437438011	0.040958609	0.000623892	14.51474667	0.003004108	0.006762946	0.000179102	0.000486371	0.000208889	0.110543817	2.05236E-06	0.000167901	0.000497765	0.00154737	0.000906848
2090 Feb	0.064762197	8.51009E-06	1.553663015	8.437660217	0.040959902	0.000623908	14.51512814	0.003004187	0.006763134	0.000179108	0.000486383	0.000208894	0.110546999	2.05241E-06	0.000167905	0.00049778	0.001547411	0.000906871
2090 Mar	0.06476783	8.5108E-06	1.553794146	8.438365936	0.040963437	0.00062396	14.5163393	0.003004437	0.006763704	0.000179123	0.000486424	0.000208912	0.110556372	2.05258E-06	0.000167919	0.000497823	0.00154754	0.000906946
2090 Apr	0.064786807	8.51328E-06	1.554247141	8.440821648	0.040975425	0.000624142	14.52056408	0.003005312	0.006765676	0.000179176	0.000486565	0.000208972	0.110588633	2.05318E-06	0.000167968	0.000497968	0.001547991	0.000907209
2090 May	0.064889595	8.5221E-06	1.555908918	8.448478699	0.041032996	0.000624671	14.5330162	0.003008061	0.006773325	0.000179537	0.000486998	0.000209165	0.11071533	2.05515E-06	0.000168116	0.000498654	0.001549571	0.000907924
2090 Jun	0.065219745	8.50039E-06	1.550557613	8.399199486	0.041094173	0.000620467	14.42382431	0.002991629	0.006762401	0.000181355	0.000484365	0.000207994	0.11046347	2.04527E-06	0.000167116	0.000499686	0.001545241	0.000901077
2090 Jul	0.065427408	8.53041E-06	1.554867268	8.423189163	0.041206263	0.000622246	14.45679474	0.003000527	0.006784129	0.000181799	0.00048589	0.000208589	0.11077451	2.05121E-06	0.000167617	0.000501236	0.001550459	0.000903707
2090 Aug	0.0654108	8.53573E-06	1.554114938	8.419874191	0.041169036	0.000622437	14.43664742	0.002999737	0.006783526	0.000181454	0.000485633	0.000208508	0.110734992	2.05017E-06	0.000167595	0.000500593	0.001549614	0.000903433
2090 Sep	0.065304607	8.52649E-06	1.55091095	8.402627945	0.041063488	0.000621799	14.3940773	0.00299387	0.006775065	0.000180794	0.000484533	0.000208061	0.110523559	2.04581E-06	0.000167319	0.000499275	0.001546204	0.000901596
2090 Oct	0.065158285	8.50817E-06	1.545863271	8.372145653	0.040897548	0.000620425	14.33242512	0.002983456	0.006763468	0.000179894	0.000482621	0.00020728	0.110174239	2.03942E-06	0.000166812	0.00049734	0.001540973	0.000898175
2090 Nov	0.065103784	8.5016E-06	1.544173598	8.362458229	0.040844422	0.00061995	14.31251526	0.002980111	0.006758806	0.000179606	0.00048202	0.000207031	0.110058054	2.03721E-06	0.000166646	0.000496712	0.001539224	0.000897108
2090 Dec	0.065106742	8.50196E-06	1.544234514	8.362751961	0.040845867	0.000619976	14.31302834	0.002980219	0.006759127	0.000179612	0.000482037	0.000207038	0.110062338	2.0373E-06	0.000166653	0.000496731	0.001539284	0.000897138
2091 Jan	0.065107815	8.50205E-06	1.544250607	8.362818718	0.0408464	0.000619981	14.31314278	0.002980243	0.00675921	0.000179615	0.00048204	0.00020704	0.110063575	2.03732E-06	0.000166654	0.000496737	0.001539298	0.000897144
2091 Feb	0.065108739	8.5021E-06	1.544263005	8.362868309	0.040846925	0.000619984	14.31322575	0.00298026	0.006759263	0.000179617	0.000482043	0.000207041	0.110064581	2.03733E-06	0.000166655	0.000496743	0.001539308	0.000897148
2091 Mar	0.065118201	8.5033E-06	1.544482112	8.364045143	0.040852826	0.000620071	14.31523895	0.002980679	0.006760221	0.000179643	0.00048211	0.00020707	0.110080265	2.03762E-06	0.000166678	0.000496814	0.001539524	0.000897273
2091 Apr	0.065154634	8.50804E-06	1.54534328	8.368703842	0.04087567	0.000620416	14.32321262	0.00298234	0.006763991	0.000179744	0.000482379	0.000207185	0.110141687	2.03875E-06	0.000166771	0.000497092	0.001540382	0.000897773
2091 May	0.065369241	8.52047E-06	1.547795892	8.377243996	0.040985469	0.000620928	14.33601189	0.00298547	0.006776187	0.00018059	0.000482844	0.000207407	0.110343225	2.04126E-06	0.000166927	0.000498385	0.001542586	0.000898321
2091 Jun	0.065857038	8.51278E-06	1.546247363	8.348002434	0.041164417	0.000618154	14.26664257	0.002975724	0.006778233	0.000183063	0.000481183	0.00020673	0.110372022	2.03571E-06	0.000166294	0.000500553	0.001540784	0.00089352
2091 Jul	0.066176578	8.55547E-06	1.553458452	8.387198448	0.0413552	0.00062106	14.32988071	0.002989864	0.006811241	0.000183888	0.000483509	0.000207701	0.110888362	2.04534E-06	0.000167086	0.000502961	0.001548404	0.000897741
2091 Aug	0.066242136	8.56987E-06	1.554939151	8.397004128	0.041385897	0.000622043	14.3350296	0.002993538	0.006818713	0.000183885	0.000484039	0.000207941	0.111007772	2.04709E-06	0.000167307	0.000503198	0.001549791	0.000898901
2091 Sep	0.066226751	8.57273E-06	1.554352045	8.393502235	0.041354761	0.000622197	14.3204031	0.002992571	0.006818731	0.000183607	0.000483768	0.000207853	0.110973917	2.04629E-06	0.000167276	0.000502725	0.001549075	0.000898541
2091 Oct	0.066128924	8.56196E-06	1.551429629	8.377533913	0.041262187	0.000621467	14.28527069	0.002987041	0.006810624	0.000183075	0.000482772	0.000207439	0.11077629	2.0424E-06	0.000167009	0.000501622	0.00154602	0.000896818
2091 Nov	0.06606321	8.55377E-06	1.549230695	8.364238739	0.041189663	0.000620854	14.25888157	0.002982494	0.006805438	0.000182683	0.00048194	0.000207099	0.110623039	2.03963E-06	0.000166786	0.000500778	0.001543748	0.000895327
2091 Dec	0.066065282	8.55399E-06	1.549237847	8.364135742	0.041189037	0.000620866	14.25866699	0.00298247	0.006805731	0.000182678	0.00048193	0.000207096	0.110623464	2.03966E-06	0.000166787	0.000500773	0.001543753	0.00089531
2092 Jan	0.066066384	8.55407E-06	1.549252987	8.364192009	0.041189559	0.00062087	14.25876427	0.002982491	0.006805812	0.000182681	0.000481933	0.000207097	0.110624634	2.03968E-06	0.000166788	0.000500779	0.001543766	0.000895314
2092 Feb	0.066068366	8.55424E-06	1.549288392	8.36436367	0.041190732	0.000620883	14.25905418	0.002982551	0.006805966	0.000182686	0.000481942	0.000207101	0.110627308	2.03972E-06	0.000166791	0.000500792	0.001543797	0.000895331
2092 Mar	0.066079661	8.55566E-06	1.549547315	8.365750313	0.041197743	0.000620985	14.26141739	0.002983046	0.006807102	0.000182717	0.000482022	0.000207136	0.110645875	2.04006E-06	0.000166819	0.000500877	0.001544053	0.000895478
2092 Apr	0.066110373	8.55961E-06	1.550264001	8.369613647	0.041216861	0.000621272	14.26800156	0.002984423	0.00681025	0.000182802	0.000482245	0.000207231	0.110697083	2.041E-06	0.000166896	0.000501109	0.001544766	0.000895891
2092 May	0.066347316	8.57037E-06	1.552469015	8.375424385	0.041333415	0.000621545	14.27557278	0.002986607	0.006821787	0.000183786	0.000482544	0.000207388	0.110888928	2.04297E-06	0.000166993	0.000502473	0.001546652	0.000896039
2092 Jun	0.06667953	8.52847E-06	1.543877602	8.304992676	0.041382231	0.000615533	14.12274647	0.002962504	0.006796068	0.000186032	0.000478639	0.000205699	0.110457607	2.02724E-06	0.000165539	0.0005032	0.001538452	0.000886524
2092 Jul	0.06673824	8.54151E-06	1.544567585	8.310787201	0.041399077	0.000615961	14.11893463	0.002965012	0.006802579	0.000186007	0.000479181	0.000205841	0.110516332	2.02837E-06	0.000165686	0.000503662	0.001540436	0.000887278
2092 Aug	0.066982016	8.57543E-06	1.550295234	8.343000412	0.041550927	0.000618427	14.16828442	0.002976522	0.006827693	0.000186626	0.000481029	0.000206635	0.110933684	2.03572E-06	0.000166336	0.000505453	0.001546097	0.000890789
2092 Sep	0.06701345	8.58303E-06	1.55104053	8.34825325	0.04156493	0.000619028	14.16997528	0.002978461	0.006831829	0.000186587	0.0004813	0.000206759	0.110996909	2.0365E-06	0.000166461	0.000505567	0.001546732	0.000891418
2092 Oct	0.066986933	8.58117E-06	1.550195098	8.344156265	0.041535579	0.000618947	14.15803623	0.002977054	0.006830158	0.000186382	0.000481027	0.000206646	0.110943876	2.03529E-06	0.000166404	0.000505214	0.001545803	0.000890998
2092 Nov	0.066984914	8.58117E-06	1.550063133	8.343402863	0.041529894	0.000618955	14.15571308	0.002976809	0.006830242	0.00018634	0.000480973	0.000206625	0.110935837	2.03512E-06	0.000166396	0.000505148	0.001545652	0.000890915
2092 Dec	0.06698858	8.58163E-06	1.550143123	8.34381485	0.041531943	0.000618987	14.15641594	0.002976957	0.006830623	0.000186349	0.000480997	0.000206635	0.110941529	2.03522E-06	0.000166405	0.000505173	0.001545732	0.000890958
2093 Jan	0.066989318	8.58169E-06	1.550153732	8.343855858	0.0415323	0.000618991	14.15648651	0.002976972	0.006830679	0.00018635	0.000480999	0.000206636	0.110942349	2.03524E-06	0.000166406	0.000505177	0.001545741	0.000890962
2093 Feb	0.066991016	8.58185E-06	1.550185919	8.344017029	0.041533314	0.000619002	14.15675926	0.002977029	0.00683082	0.000186355	0.000481008	0.00020664	0.11094474	2.03528E-06	0.000166409	0.000505189	0.00154577	0.000890978
2093 Mar	0.067007616	8.58395E-06	1.550566435	8.346058846	0.041543584	0.000619154	14.1602211	0.002977757	0.006832496	0.000186401	0.000481125	0.000206691	0.110972025	2.03577E-06	0.00016645	0.000505314	0.001546149	0.000891195
2093 Apr	0.067040898	8.5882E-06	1.5513345	8.350188255	0.041564211	0.00061946	14.16722775	0.002979231	0.00683588	0.000186494	0.000481363	0.000206793	0.111027017	2.03678E-06	0.000166532	0.000505565	0.001546914	0.000891636
2093 May	0.06725838	8.59979E-06	1.553641558	8.357645988	0.041674167	0.000619881	14.17777157	0.002981979	0.006847515	0.00018737	0.000481764	0.000206988	0.111220933	2.03902E-06	0.000166665	0.000506855	0.00154895	0.000892041
2093 Jun	0.067617856	8.58284E-06	1.5501405	8.320939064	0.041786585	0.000616574	14.09297752	0.00296953	0.006840129	0.000189381	0.000479717	0.000206119	0.11110507	2.03106E-06	0.000165889	0.000508254	0.001545438	0.000886642
2093 Jul	0.067857765	8.61592E-06	1.555272937	8.349515915	0.041922852	0.000618705	14.13459778	0.002979934	0.006864535	0.000189951	0.000481442	0.000206826	0.111477926	2.0379E-06	0.000166475	0.000509987	0.001551062	0.000889753
2093 Aug	0.068062454	8.64476E-06	1.559942603	8.37621212	0.04204667	0.000620752	14.1734314	0.002989499	0.006885351	0.000190447	0.000482976	0.000207482	0.111821115	2.04388E-06	0.000167016	0.000511427	0.001555697	0.000892683
2093 Sep	0.068083256	8.651E-06	1.560360432	8.380246162	0.042051386	0.000621311	14.17150593	0.002990963	0.006888716	0.000190348	0.000483169	0.000207568	0.111864537	2.04415E-06	0.000167125	0.000511452	0.001555976	0.000893197
2093 Oct	0.067881875	8.62834E-06	1.554701805	8.348916054	0.041871801	0.000619755	14.10695648	0.002980086	0.00687195	0.000189342	0.000481232	0.000206763	0.111473665	2.03677E-06	0.000166586	0.000509316	0.001550111	0.00088981
2093 Nov	0.06784007	8.62306E-06	1.553100824	8.338515282	0.041814037	0.000619345	14.08686733	0.00297658	0.006869374	0.000189022	0.000480568	0.000206496	0.111360244	2.03487E-06	0.000166419	0.000508656	0.001548449	0.000888617
2093 Dec	0.067844056	8.62355E-06	1.55318296	8.33891964	0.041816059	0.000619379	14.0875597	0.002976727	0.006869795	0.000189031	0.00048059	0.000206506	0.111366078	2.03498E-06	0.000166428	0.000508681	0.001548531	0.000888659
2094 Jan	0.067845523	8.62368E-06	1.553207517	8.339029312	0.041816827	0.000619387	14.08774567	0.002976767	0.006869916	0.000189035	0.000480596	0.000206509	0.111367919	2.03501E-06	0.00016643	0.00050869	0.001548553	0.000888669
2094 Feb	0.067846887	8.62379E-06	1.553229213	8.339128494	0.041817613	0.000619394	14.08791161	0.002976802	0.006870011	0.000189038	0.000480601	0.000206511	0.111369595	2.03503E-06	0.000166432	0.000508699	0.001548572	0.000888678
2094 Mar	0.067855701	8.62487E-06	1.553425789	8.340175629	0.041823018	0.000619472	14.08967876	0.002977175	0.00687088	0.000189063	0.000480662	0.000206537	0.111383766	2.03529E-06	0.000166453	0.000508764	0.001548766	0.000888789
2094 Apr	0.067878798	8.62779E-06	1.55395174	8.342993736	0.041837242	0.000619681	14.09443951	0.002978181	0.006873206	0.000189127	0.000480824	0.000206607	0.111421511	2.03598E-06	0.000166509	0.000508937	0.001549289	0.000889089
2094 May	0.068107478	8.63111E-06	1.554873943	8.340510368	0.041941755	0.000619275	14.08547688	0.002977404	0.006879294	0.000190207	0.000480635	0.000206561	0.111537151	2.03581E-06	0.000166433	0.000510122	0.001549757	0.000888215
2094 Jun	0.068565048	8.63867E-06	1.556269884	8.33403492	0.042145528	0.000618322	14.05831242	0.002975455	0.00689054	0.000192336	0.000480261	0.000206431	0.11174567	2.03479E-06	0.00016626	0.000512532	0.001550743	0.000886343

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.068916455	8.685E-06	1.564063072	8.376814842	0.042355642	0.000621504	14.12541866	0.002990837	0.006925947	0.000193256	0.000482773	0.000207488	0.112309925	2.045E-06	0.000167123	0.000515122	0.001558801	0.000890952
2094 Aug	0.069272332	8.73122E-06	1.572109222	8.420597076	0.042572062	0.00062479	14.19623375	0.003006499	0.006961783	0.000194212	0.000485293	0.000208571	0.112891428	2.05547E-06	0.000168002	0.000517722	0.001566814	0.000895646
2094 Sep	0.069295704	8.73764E-06	1.572492242	8.424156189	0.042573795	0.00062536	14.19344234	0.003007818	0.006965659	0.000194094	0.00048545	0.000208643	0.112932153	2.05573E-06	0.000168106	0.000517721	0.001567053	0.000896095
2094 Oct	0.069180414	8.72593E-06	1.569331169	8.407512665	0.042471852	0.000624614	14.15620804	0.003002027	0.006956479	0.000193484	0.00048441	0.00020821	0.112717919	2.05151E-06	0.000167829	0.0005165	0.001563737	0.000894335
2094 Nov	0.069073491	8.71338E-06	1.566075802	8.388232231	0.042363144	0.00062371	14.11843395	0.002995409	0.006948255	0.000192883	0.000483206	0.000207716	0.112489074	2.04744E-06	0.000167504	0.000515229	0.001560376	0.000892199
2094 Dec	0.069067679	8.7127E-06	1.565890074	8.387112617	0.042356782	0.000623661	14.11622143	0.002995027	0.006947834	0.000192848	0.000483135	0.000207687	0.112476029	2.04721E-06	0.000167485	0.000515155	0.001560184	0.000892074
2095 Jan	0.069069572	8.71287E-06	1.565922141	8.38725853	0.042357776	0.000623673	14.11646748	0.002995079	0.006947991	0.000192852	0.000483143	0.000207691	0.112478428	2.04725E-06	0.000167488	0.000515167	0.001560213	0.000892087
2095 Feb	0.0690713	8.71301E-06	1.565950155	8.387386322	0.042358778	0.000623681	14.11668205	0.002995124	0.006948113	0.000192857	0.00048315	0.000207694	0.112480588	2.04729E-06	0.000167491	0.000515178	0.001560237	0.000892099
2095 Mar	0.069077007	8.71369E-06	1.566073537	8.388036728	0.042362247	0.000623729	14.11777401	0.002995356	0.00694866	0.000192873	0.000483187	0.00020771	0.112489529	2.04744E-06	0.000167503	0.00051522	0.001560358	0.000892167
2095 Apr	0.069106713	8.71741E-06	1.566743255	8.391617775	0.042380441	0.000623995	14.12380028	0.002996634	0.006951631	0.000192956	0.000483393	0.000207798	0.11253769	2.04832E-06	0.000167575	0.000515441	0.001561024	0.000892548
2095 May	0.069350675	8.72263E-06	1.568000078	8.391159058	0.042495612	0.000623733	14.11756992	0.002996564	0.006959032	0.000194086	0.000483322	0.000207802	0.112679236	2.04853E-06	0.000167539	0.000516749	0.00156181	0.000891896
2095 Jun	0.069776148	8.73871E-06	1.571037054	8.396796227	0.04270013	0.000623803	14.11637211	0.002998826	0.006976092	0.000195915	0.000483631	0.000207965	0.112975851	2.05041E-06	0.000167617	0.000519169	0.001564452	0.000891604
2095 Jul	0.070145778	8.7867E-06	1.57919848	8.441398621	0.042920534	0.000627133	14.18694782	0.003014828	0.00701302	0.000196893	0.00048622	0.000209067	0.113567382	2.06106E-06	0.000168515	0.000521838	0.001572716	0.000896394
2095 Aug	0.070174448	8.79646E-06	1.579860568	8.447946548	0.042932469	0.000627793	14.18541718	0.003017265	0.007016418	0.000196808	0.000486579	0.000209221	0.113630965	2.06166E-06	0.000168666	0.000521846	0.001573314	0.000897254
2095 Sep	0.070214145	8.80585E-06	1.580785513	8.453575134	0.042947918	0.000628475	14.18760872	0.003019421	0.007021606	0.000196763	0.000486862	0.000209359	0.11370527	2.06276E-06	0.000168803	0.000521953	0.001574128	0.000897907
2095 Oct	0.0702224	8.80822E-06	1.580906868	8.454915047	0.042947844	0.000628699	14.1862402	0.003019909	0.007023078	0.000196711	0.00048692	0.000209385	0.113719679	2.06281E-06	0.000168843	0.000521948	0.001574189	0.00089808
2095 Nov	0.070181713	8.80354E-06	1.579529166	8.446405411	0.042898759	0.000628357	14.16934586	0.003017022	0.007020434	0.000196431	0.000486378	0.000209165	0.113622658	2.06114E-06	0.000168706	0.000521382	0.001572758	0.000897123
2095 Dec	0.070180282	8.80337E-06	1.579422474	8.445607185	0.042894073	0.000628341	14.16775322	0.003016762	0.007020498	0.000196403	0.000486324	0.000209145	0.113615043	2.06103E-06	0.000168695	0.00052133	0.001572644	0.000897028
2096 Jan	0.07018213	8.80353E-06	1.579451919	8.445734978	0.042895015	0.000628351	14.1679697	0.003016809	0.007020646	0.000196408	0.000486331	0.000209148	0.113617264	2.06106E-06	0.000168698	0.000521341	0.001572671	0.000897039
2096 Feb	0.0701859	8.80391E-06	1.579524279	8.446098328	0.042897258	0.000628377	14.16857624	0.003016937	0.007020965	0.000196418	0.000486352	0.000209156	0.113622643	2.06115E-06	0.000168705	0.000521368	0.001572738	0.000897076
2096 Mar	0.070192195	8.80465E-06	1.579659104	8.446805954	0.042901069	0.000628429	14.16976166	0.00301719	0.007021563	0.000196435	0.000486392	0.000209174	0.113632426	2.06133E-06	0.000168719	0.000521413	0.00157287	0.00089715
2096 Apr	0.070220537	8.80818E-06	1.580293059	8.450188637	0.042918369	0.000628681	14.17543602	0.003018398	0.00702438	0.000196515	0.000486587	0.000209258	0.113678083	2.06215E-06	0.000168786	0.000521623	0.0015735	0.000897509
2096 May	0.070402928	8.81663E-06	1.582025051	8.454827309	0.043008007	0.000628907	14.18180752	0.003020142	0.007033444	0.000197267	0.000486827	0.000209383	0.113827311	2.06374E-06	0.000168865	0.000522674	0.001574993	0.000897642
2096 Jun	0.070512027	8.78141E-06	1.573275089	8.390182495	0.042934872	0.000623585	14.04664707	0.002998569	0.007009306	0.000198168	0.000483514	0.000207832	0.113299377	2.05065E-06	0.000167586	0.000522397	0.00156867	0.000889462
2096 Jul	0.070717499	8.81174E-06	1.577459335	8.414370537	0.043047484	0.000625376	14.0766077	0.003007532	0.007030382	0.0001986	0.000485069	0.000208429	0.113607839	2.05626E-06	0.000168092	0.000523965	0.001573835	0.000892146
2096 Aug	0.071017861	8.85123E-06	1.584212661	8.451208115	0.043229345	0.000628187	14.1345377	0.003020732	0.007060551	0.000199391	0.000487184	0.00020934	0.114098817	2.06497E-06	0.000168835	0.000526136	0.001580537	0.000896099
2096 Sep	0.070981286	8.85139E-06	1.583236814	8.447619438	0.043190099	0.000628321	14.11776257	0.003019543	0.007058993	0.000199047	0.000486913	0.000209233	0.114043698	2.06345E-06	0.000168806	0.000525621	0.001579384	0.000895801
2096 Oct	0.070831753	8.83487E-06	1.578781843	8.421644211	0.043037806	0.000627179	14.0655241	0.003010628	0.007048115	0.000198174	0.000485278	0.000208564	0.113731652	2.05788E-06	0.000168376	0.000523836	0.001574748	0.000892945
2096 Nov	0.070831582	8.83478E-06	1.578435898	8.41865921	0.043020021	0.000627151	14.05963135	0.00300968	0.007049057	0.000198064	0.00048507	0.000208486	0.113706477	2.05756E-06	0.000168338	0.000523645	0.001574373	0.000892576
2096 Dec	0.070833229	8.83498E-06	1.578467607	8.41880703	0.043020774	0.000627164	14.05988312	0.003009735	0.007049232	0.000198067	0.000485078	0.00020849	0.113708735	2.05761E-06	0.000168342	0.000523655	0.001574405	0.00089259
2097 Jan	0.070833981	8.83503E-06	1.578476906	8.418838501	0.043021116	0.000627167	14.05993652	0.003009746	0.007049284	0.000198069	0.00048508	0.00020849	0.113709457	2.05762E-06	0.000168342	0.000523659	0.001574412	0.000892592
2097 Feb	0.070834666	8.83505E-06	1.578484297	8.418863297	0.043021489	0.000627169	14.05997849	0.003009755	0.007049317	0.000198071	0.000485081	0.000208491	0.113710105	2.05762E-06	0.000168343	0.000523663	0.001574417	0.000892594
2097 Mar	0.07084024	8.83572E-06	1.57860446	8.419495583	0.043024853	0.000627216	14.06103325	0.003009981	0.007049852	0.000198086	0.000485117	0.000208506	0.113718815	2.05778E-06	0.000168355	0.000523703	0.001574535	0.00089266
2097 Apr	0.07087703	8.84029E-06	1.579421997	8.423852921	0.043047193	0.00062754	14.06830788	0.003011538	0.007053503	0.000198189	0.000485368	0.000208614	0.113777742	2.05884E-06	0.000168442	0.000523975	0.00157535	0.000893122
2097 May	0.071086951	8.85409E-06	1.582065463	8.43421936	0.043157596	0.000628203	14.08366299	0.003015302	0.0070663	0.000198992	0.000485943	0.000208879	0.11399138	2.06164E-06	0.000168637	0.000525278	0.001577768	0.000893918
2097 Jun	0.071452402	8.85411E-06	1.581910849	8.419937134	0.043304686	0.000626694	14.04475498	0.003010659	0.007071219	0.000200773	0.000485161	0.000208557	0.114076607	2.05901E-06	0.000168316	0.000527078	0.001577538	0.000891291
2097 Jul	0.071788348	8.89753E-06	1.589082122	8.458664894	0.043498546	0.00062959	14.10500622	0.003024659	0.007104622	0.00020164	0.000487441	0.000209515	0.114596285	2.06846E-06	0.000169101	0.000529482	0.001585026	0.000895431
2097 Aug	0.071998671	8.92655E-06	1.593754053	8.485103607	0.043623805	0.00063163	14.14307404	0.003034149	0.00712567	0.000202155	0.000488958	0.000210166	0.114940971	2.07441E-06	0.000169639	0.000530942	0.001589661	0.000898315
2097 Sep	0.072097741	8.94154E-06	1.59606266	8.49891758	0.043684635	0.000632769	14.1607132	0.003039076	0.007136085	0.000202361	0.000489739	0.000210501	0.115115769	2.07721E-06	0.000169926	0.000531645	0.001591882	0.000899853
2097 Oct	0.072055586	8.93809E-06	1.594850183	8.492668152	0.043641634	0.000632586	14.14509201	0.003036926	0.007133408	0.000202077	0.000489332	0.000210334	0.11503537	2.07558E-06	0.000169833	0.000531132	0.001590576	0.000899201
2097 Nov	0.072022125	8.93468E-06	1.593938589	8.487723351	0.043611202	0.000632368	14.13450527	0.003035213	0.007130884	0.000201895	0.000489021	0.000210206	0.114972554	2.0744E-06	0.000169751	0.00053077	0.001589621	0.000898673
2097 Dec	0.072014198	8.93386E-06	1.593740821	8.486701965	0.043604974	0.000632316	14.13233089	0.003034854	0.007130227	0.000201858	0.000488959	0.000210179	0.114958949	2.07413E-06	0.000169733	0.000530695	0.001589415	0.000898567
2098 Jan	0.072015852	8.93399E-06	1.593764901	8.48679924	0.043605782	0.000632324	14.13249493	0.003034889	0.007130352	0.000201862	0.000488963	0.000210181	0.114960797	2.07416E-06	0.000169735	0.000530704	0.001589435	0.000898575
2098 Feb	0.07201764	8.93412E-06	1.593791485	8.486916542	0.043606799	0.000632332	14.13268757	0.00303493	0.007130469	0.000201867	0.00048897	0.000210184	0.114962906	2.07419E-06	0.000169737	0.000530716	0.001589457	0.000898585
2098 Mar	0.072021663	8.93457E-06	1.593873501	8.48733902	0.043609206	0.000632363	14.13339233	0.003035081	0.007130835	0.000201878	0.000488994	0.000210195	0.114968911	2.07429E-06	0.000169745	0.000530744	0.001589537	0.000898628
2098 Apr	0.072055124	8.93724E-06	1.594411016	8.489854813	0.043628685	0.000632537	14.13743496	0.003035966	0.007133171	0.000201967	0.000489129	0.000210254	0.115010791	2.07489E-06	0.000169793	0.000530964	0.001589998	0.000898862
2098 May	0.072437435	8.94287E-06	1.596182823	8.486894608	0.043807108	0.000631949	14.12658024	0.00303503	0.007143812	0.000203655	0.000488856	0.000210194	0.11521741	2.07494E-06	0.000169686	0.000532953	0.001590847	0.00089753
2098 Jun	0.072697446	8.90655E-06	1.58958745	8.434200287	0.043870535	0.0006273	14.00989819	0.003016623	0.007120295	0.000205609	0.00048585	0.000208926	0.114906758	2.06196E-06	0.000168567	0.000533618	0.001583746	0.000890355
2098 Jul	0.073070787	8.95413E-06	1.59754312	8.476969719	0.044088356	0.000630485	14.07691479	0.003032069	0.007157146	0.000206598	0.000488374	0.000209985	0.115483873	2.07239E-06	0.000169432	0.00053634	0.001592067	0.000894911
2098 Aug	0.073162526	8.97169E-06	1.59972024	8.490940094	0.044140372	0.000631742	14.08922672	0.003037169	0.007167155	0.000206695	0.00048915	0.000210327	0.115654387	2.07497E-06	0.000169733	0.000536845	0.001594135	0.000896529
2098 Sep	0.072990716	8.95735E-06	1.595598698	8.469718933	0.044001475	0.000630831	14.040411	0.003029855	0.007153901	0.000205813	0.000487818	0.000209782	0.115371935	2.06952E-06	0.000169378	0.0005351	0.001589793	0.000894344
2098 Oct	0.072832614	8.94041E-06	1.591235518	8.44490242	0.043853108	0.000629691	13.99097252	0.003021294	0.007142225	0.000204956	0.000486265	0.000209143	0.11506474	2.06405E-06	0.000168962	0.000533354	0.001585269	0.000891649
2098 Nov	0.072777562	8.9344E-06	1.589679122	8.435860634	0.043799657	0.000629278	13.97328758	0.003018184	0.007138229	0.000204651	0.000485699	0.000208911	0.114954561	2.06212E-06	0.00016881	0.000532728	0.001583658	0.000890659
2098 Dec	0.072781317	8.93485E-06	1.589753389	8.436222076	0.043801509	0.000629309	13.97388363	0.003018317	0.007138619	0.000204659	0.000485719	0.00020892	0.114959888	2.06222E-06	0.000168818	0.000532751	0.001583732	0.000890695
2099 Jan	0.072783001	8.93501E-06	1.589781761	8.436350822	0.043802388	0.000629319	13.97409821	0.003018363	0.007138758	0.000204663	0.000485726	0.000208923	0.114962012	2.06226E-06	0.00016882	0.000532762	0.001583758	0.000890707
2099 Feb	0.072784938	8.93518E-06	1.589815617	8.436513901	0.043803521	0.000629331	13.97436714	0.003018421	0.007138908	0.000204668	0.000485735	0.000208927	0.114964575	2.0623E-06	0.000168823	0.000532775	0.001583788	0.000890723
2099 Mar	0.072797738	8.93672E-06	1.590090513	8.437963486	0.043811198	0.000629438	13.97676659	0.003018939	0.007140142	0.000204704	0.000485818	0.000208963	0.11498452	2.06265E-06	0.000168852	0.000532868	0.00158406	0.000890875
2099 Apr	0.072873354	8.94341E-06	1.591390729	8.444262505	0.043855481	0.000629885	13.98692608	0.003021166	0.00714585	0.000204908	0.000486164	0.000209113	0.11508406	2.06415E-06	0.000168974	0.000533376	0.001585222	0.000891483
2099 May	0.073546626	8.93549E-06	1.592460632	8.425832748	0.044177886	0.000627681	13.94278431	0.003014338	0.007152084	0.000207542	0.00048474	0.0002086	0.115346655	2.05985E-06	0.000168476	0.00053663	0.001583227	0.000887406
2099 Jun	0.07367529	8.92724E-06	1.590591788	8.411322594	0.044226371	0.000626289	13.90110397	0.003009292	0.007145498	0.000208366	0.000483965	0.00020825	0.115286075	2.05545E-06	0.000168163	0.000537203	0.001581352	0.000885356
2099 Jul	0.07400281	8.96915E-06	1.597459793	8.448550224	0.044415012	0.000629072	13.95770645	0.003022747	0.007177516	0.000209215	0.000486157	0.00020917	0.115787372	2.06441E-06	0.000168918	0.000539535	0.001588512	0.000889333
2099 Aug	0.074282065	9.0076E-06	1.6036731	8.483201981	0.04458217	0.000631808	14.00738716	0.003035204	0.007205416	0.000209894	0.000488131	0.000210025	0.116246998	2.07224E-06	0.000169625	0.000541477	0.001594607	0.000893087
2099 Sep	0.074189119	9.00215E-06	1.601616383	8.473345757	0.044508651	0.0006315	13.98091507	0.003031858	0.007198753	0.000209377	0.000487496	0.000209771	0.116109259	2.06946E-06	0.000169471	0.000540511	0.001592399	0.000892124
2099 Oct	0.074088521	8.99236E-06	1.598963857	8.458958626	0.044417303	0.000630885	13.95044899	0.003026881	0.007191591	0.000208824	0.00048659	0.000209397	0.115924731	2.06607E-06	0.000169234	0.00053943	0.001589631	0.000890596
2099 Nov	0.074019767	8.9851E-06	1.597199559	8.449227333	0.044358615	0.000630403	13.93123722	0.0030235	0.007186296	0.000208488	0.000485989	0.000209147	0.115800142	2.06384E-06	0.000169067	0.000538736	0.001587813	0.000889554
2099 Dec	0.074023552	8.98555E-06	1.597275019	8.449596405	0.044360548	0.000630434	13.93185425	0.003023635	0.007186681	0.000208497	0.000486009	0.000209156	0.115805551	2.06394E-06	0.000169075	0.00053876	0.001587888	0.000889591
2100 Jan	0.074024417	8.98561E-06	1.597285509	8.449631691	0.044360939	0.000630437	13.93191528	0.003023648	0.00718674	0.000208499	0.000486011	0.000209157	0.115806386	2.06395E-06	0.000169075	0.000538764	0.001587896	0.000889594
2100 Feb	0.074025474	8.98567E-06	1.597300291	8.44969368	0.044361539	0.000630441	13.93201542	0.00302367	0.007186805	0.000208501	0.000486014	0.000209159	0.115807578	2.06396E-06	0.000169076	0.000538771	0.001587908	0.000889599
2100 Mar	0.074028462	8.986E-06	1.597360134	8.450001717	0.044363305	0.000630464	13.93252277	0.003023779	0.007187073	0.00020851	0.000486032	0.000209166	0.115811981	2.06404E-06	0.000169083	0.000538792	0.001587966	0.00088963
2100 Apr	0.074071139	8.99117E-06	1.598278642	8.454855919	0.044388872	0.000630826	13.94052505	0.003025516	0.007191205	0.00020863	0.000486311	0.000209286	0.115878604	2.06523E-06	0.00016918	0.000539103	0.001588878	0.000890141
2100 May	0.074437372	8.9999E-06	1.600417018	8.454557419	0.044557996	0.000630485	13.93608952	0.003025615	0.007204013	0.00021029	0.000486225	0.000209305	0.116096996	2.06624E-06	0.000169136	0.000541053	0.001590395	0.000889189
2100 Jun	0.07462161	8.96568E-06	1.593901634	8.404335022	0.044581659	0.000626109	13.82814884	0.003008212	0.007181336	0.000211808	0.00048343	0.000208099	0.115760185	2.05437E-06	0.000168084	0.000541374	0.001583954	0.000882514
2100 Jul	0.074713588	8.98221E-06	1.595740438	8.416942596	0.044632338	0.000627037	13.83781433	0.003012924	0.007190953	0.000211943	0.000484291	0.000208406	0.11590378	2.05673E-06	0.000168354	0.000542126	0.001586558	0.000884007
2100 Aug	0.074708924	8.9889E-06	1.595764518	8.419452667	0.044621266	0.000627486	13.82996655	0.003013987	0.007191828	0.000211725	0.000484401	0.000208464	0.115918353	2.05659E-06	0.000168431	0.000541844	0.001586495	0.000884423
2100 Sep	0.074710734	8.99391E-06	1.595875382	8.420692444	0.044612467	0.000627864	13.82488823	0.003014587	0.007193579	0.000211559	0.000484427	0.000208492	0.115933098	2.05666E-06	0.000168482	0.000541657	0.001586497	0.000884613
2100 Oct	0.074721701	8.99672E-06	1.596058965	8.422314644	0.044613194	0.00062812	13.82404518	0.003015182	0.007195459	0.000211507	0.000484499	0.000208525	0.115951605	2.05682E-06	0.00016853	0.000541664	0.001586619	0.000884815
2100 Nov	0.074733712	8.99842E-06	1.596293449	8.423607826	0.044618621	0.000628247	13.82555485	0.003015653	0.007196802	0.000211523	0.000484568	0.000208555	0.115969457	2.05711E-06	0.000168559	0.000541731	0.001586841	0.000884954
2100 Dec	0.074739799	8.99915E-06	1.596419573	8.424257278	0.044622049	0.000628298	13.82662106	0.003015887	0.0071974	0.000211539	0.000484605	0.000208571	0.115978606	2.05728E-06	0.000168572	0.000541773	0.001586967	0.000885021
2101 Jan	0.074741542	8.99932E-06	1.596450686	8.424405098	0.044622995	0.000628309	13.82686615	0.00301594	0.00719755	0.000211543	0.000484613	0.000208575	0.115980916	2.05731E-06	0.000168575	0.000541784	0.001586996	0.000885036
2101 Feb	0.074742474	8.99938E-06	1.596464276	8.424464226	0.04462352	0.000628313	13.82696152	0.003015961	0.007197609	0.000211546	0.000484617	0.000208576	0.115981996	2.05733E-06	0.000168576	0.00054179	0.001587007	0.000885041
2101 Mar	0.07474488	8.99965E-06	1.596512318	8.424710274	0.044624943	0.000628331	13.82736588	0.003016049	0.007197825	0.000211552	0.00048463	0.000208582	0.115985528	2.05739E-06	0.000168581	0.000541807	0.001587054	0.000885066
2101 Apr	0.074770927	9.00272E-06	1.597060561	8.427594185	0.044640485	0.000628546	13.83208179	0.00301708	0.007200291	0.000211626	0.000484796	0.000208654	0.116025522	2.05809E-06	0.000168639	0.000541995	0.001587595	0.000885368
2101 May	0.075107738	9.0098E-06	1.598883629	8.426379204	0.044795591	0.000628151	13.82612419	0.003016827	0.007211388	0.000213166	0.00048466	0.000208648	0.116218425	2.05876E-06	0.000168578	0.000543775	0.001588812	0.000884373

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.075305693	8.99471E-06	1.595961213	8.40050602	0.044858035	0.000625775	13.76544476	0.003007905	0.007202307	0.000214431	0.000483228	0.000208031	0.116102941	2.05248E-06	0.000168025	0.000544532	0.001585841	0.000880706
2101 Jul	0.075657435	9.03859E-06	1.603352427	8.440297127	0.045065187	0.000628736	13.82696533	0.003022236	0.007236249	0.000215386	0.000485567	0.000209015	0.116643541	2.06201E-06	0.000168828	0.000547101	0.00159348	0.000884932
2101 Aug	0.075968087	9.07821E-06	1.610081792	8.477282524	0.045253307	0.000631537	13.88300705	0.003035461	0.007266244	0.000216226	0.000487691	0.000209927	0.117139727	2.0705E-06	0.000169572	0.000549339	0.001600125	0.000888892
2101 Sep	0.075924635	9.0786E-06	1.609135151	8.473304749	0.045210592	0.000631646	13.86702728	0.003034202	0.007264461	0.000215858	0.000487397	0.000209818	0.117081143	2.06917E-06	0.000169533	0.000548756	0.001599031	0.000888549
2101 Oct	0.075905927	9.07812E-06	1.608556151	8.470508575	0.045185342	0.000631676	13.85816383	0.003033269	0.007264117	0.000215662	0.000487197	0.000209739	0.117044434	2.0684E-06	0.000169504	0.000548459	0.001598376	0.00088827
2101 Nov	0.075810499	9.06816E-06	1.606129169	8.456920624	0.045102429	0.000631017	13.83197212	0.003028561	0.0072570 8	0.000215183	0.000486355	0.00020939	0.116871268	2.06539E-06	0.000169272	0.000547483	0.00159588	0.00088681
2101 Dec	0.075807236	9.06775E-06	1.605948329	8.455506325	0.045094188	0.000630978	13.82953167	0.0030281	0.007257152	0.000215136	0.000486261	0.000209354	0.116857558	2.06522E-06	0.000169251	0.000547393	0.001595694	0.000886641
2102 Jan	0.075808182	9.06779E-06	1.605957627	8.455527306	0.045094583	0.000630981	13.82956886	0.003028107	0.007257211	0.000215138	0.000486261	0.000209354	0.116858341	2.06523E-06	0.000169252	0.000547397	0.0015957	0.000886641
2102 Feb	0.07581006	9.06793E-06	1.605986118	8.455654144	0.045095649	0.000630989	13.82977486	0.003028152	0.007257337	0.000215143	0.000486268	0.000209357	0.116860583	2.06526E-06	0.000169254	0.000547409	0.001595724	0.000886652
2102 Mar	0.07581424	9.06839E-06	1.606068611	8.456076622	0.045098111	0.000631021	13.83046436	0.003028303	0.007257708	0.000215154	0.000486292	0.000209368	0.116866663	2.06537E-06	0.000169262	0.000547438	0.001595803	0.000886696
2102 Apr	0.075834073	9.07073E-06	1.606485248	8.458262444	0.04510989	0.000631184	13.83403969	0.003029085	0.00725959	0.000215211	0.000486418	0.000209422	0.116897024	2.0659E-06	0.000169306	0.000547581	0.001596216	0.000886924
2102 May	0.075929105	9.08208E-06	1.608494043	8.468853951	0.045166504	0.000631973	13.85129833	0.003032877	0.007268655	0.000215481	0.000487027	0.000209684	0.117043421	2.06848E-06	0.000169518	0.000548268	0.00159821	0.000888035
2102 Jun	0.075678222	9.06064E-06	1.599924684	8.416619301	0.0448974	0.000628066	13.74998569	0.003016483	0.007249192	0.000214145	0.000484836	0.000208431	0.116385862	2.06037E-06	0.000168591	0.000546378	0.001595343	0.000882399
2102 Jul	0.075718857	9.0726E-06	1.599358559	8.412381172	0.044866666	0.000627754	13.73001671	0.003016055	0.007255618	0.000213908	0.000484997	0.000208339	0.116335399	2.06091E-06	0.000168568	0.000546632	0.001597536	0.000881993
2102 Aug	0.075918213	9.10057E-06	1.603694439	8.436715126	0.044982493	0.000629707	13.7630825	0.003024844	0.00727546	0.000214366	0.000486381	0.000208938	0.116658419	2.06636E-06	0.000169069	0.000547962	0.001601804	0.000884638
2102 Sep	0.075966217	9.11001E-06	1.604756474	8.44326973	0.045003518	0.000630426	13.76756382	0.003027272	0.007281412	0.000214362	0.000486723	0.000209094	0.116742991	2.06761E-06	0.000169223	0.000548169	0.00160276	0.000885388
2102 Oct	0.075769588	9.09027E-06	1.600205779	8.419877052	0.044856131	0.000629204	13.7200489	0.003019031	0.007265741	0.000213493	0.000485286	0.000208492	0.116423875	2.06169E-06	0.000168812	0.000546393	0.00159803	0.000882965
2102 Nov	0.075783849	9.09207E-06	1.600455046	8.421032906	0.044861414	0.00062933	13.721632	0.003019466	0.007267336	0.000213511	0.000485345	0.000208519	0.116442144	2.06203E-06	0.00016884	0.000546462	0.001598271	0.000883079
2102 Dec	0.075787723	9.09253E-06	1.60053277	8.421422958	0.044863489	0.000629361	13.72227383	0.003019607	0.00726772	0.000213521	0.000485367	0.000208529	0.116447762	2.06213E-06	0.000168848	0.000546487	0.001598348	0.000883119
2103 Jan	0.075789012	9.09265E-06	1.600553989	8.421518326	0.044864155	0.000629369	13.72243023	0.003019642	0.007267824	0.000213524	0.000485372	0.000208531	0.116449356	2.06216E-06	0.00016885	0.000546495	0.001598368	0.000883128
2103 Feb	0.075791828	9.09294E-06	1.600607395	8.421787262	0.044865802	0.000629388	13.72286701	0.003019738	0.007268066	0.000213532	0.000485388	0.000208538	0.116453335	2.06222E-06	0.000168855	0.000546515	0.001598419	0.000883155
2103 Mar	0.075797379	9.09358E-06	1.600721002	8.422377586	0.044869065	0.000629432	13.72382927	0.003019949	0.007268581	0.000213547	0.000485422	0.000208552	0.11646165	2.06237E-06	0.000168867	0.000546554	0.001598531	0.000883217
2103 Apr	0.075824864	9.09686E-06	1.601299763	8.4254179	0.044885334	0.00062966	13.72878361	0.003021039	0.007271208	0.000213625	0.000485597	0.000208628	0.116503775	2.06311E-06	0.000168928	0.000546752	0.001599108	0.000883535
2103 May	0.076138824	9.10662E-06	1.603521824	8.427816391	0.04503312	0.000629587	13.73019218	0.003022066	0.007283783	0.000215006	0.000485679	0.000208709	0.116713792	2.06464E-06	0.000168946	0.000548467	0.001600835	0.000883053
2103 Jun	0.076389499	9.07557E-06	1.597872972	8.38002491	0.045090679	0.000625342	13.62936592	0.003005546	0.007265263	0.000216801	0.000482999	0.000207569	0.116440758	2.05383E-06	0.000167934	0.000549181	0.001595115	0.000876494
2103 Jul	0.076542467	9.09897E-06	1.600754499	8.397348404	0.045167223	0.000626649	13.64702702	0.003012033	0.007280608	0.000217074	0.000484117	0.000207994	0.116658039	2.05769E-06	0.000168304	0.00055022	0.001598749	0.000878448
2103 Aug	0.076625384	9.11373E-06	1.601764083	8.403162003	0.045177702	0.000627277	13.64637947	0.003014518	0.007289147	0.000217039	0.00048443	0.000208137	0.116736025	2.05941E-06	0.000168454	0.000550199	0.001599916	0.000879127
2103 Sep	0.076575644	9.11239E-06	1.600580096	8.398061752	0.045128256	0.00062732	13.62895679	0.003012802	0.007287032	0.000216642	0.000484066	0.000207994	0.116661154	2.05776E-06	0.000168397	0.000549576	0.001598564	0.000878659
2103 Oct	0.076388009	9.09326E-06	1.595863223	8.371723175	0.044964131	0.000626093	13.57795429	0.003003673	0.007273665	0.000215678	0.000482418	0.000207316	0.116324447	2.05193E-06	0.000167952	0.000547638	0.001593662	0.000875836
2103 Nov	0.076347016	9.08908E-06	1.594747066	8.365161896	0.044923298	0.000625819	13.56537914	0.003001424	0.007271062	0.000215436	0.000482001	0.000207147	0.116244227	2.0506E-06	0.000167844	0.000547162	0.001592498	0.000875118
2103 Dec	0.076349519	9.08937E-06	1.594794273	8.365385056	0.044924479	0.000625839	13.5657444	0.003001506	0.007271318	0.000215442	0.000482014	0.000207153	0.116247624	2.05066E-06	0.000167849	0.000547177	0.001592545	0.00087514
2104 Jan	0.076350324	9.08942E-06	1.594803929	8.365415573	0.044924844	0.000625842	13.56579685	0.003001518	0.007271372	0.000215444	0.000482015	0.000207153	0.116248392	2.05067E-06	0.00016785	0.000547181	0.001592552	0.000875142
2104 Feb	0.076351747	9.08953E-06	1.594825745	8.365514755	0.044925649	0.000625849	13.56595612	0.003001553	0.00727147	0.000215447	0.00048202	0.000207156	0.116250098	2.05069E-06	0.000167852	0.00054719	0.001592571	0.000875151
2104 Mar	0.076357722	9.09021E-06	1.594946384	8.366138458	0.044929147	0.000625895	13.56696701	0.003001777	0.007272019	0.000215464	0.000482056	0.000207171	0.116258956	2.05085E-06	0.000167864	0.000547233	0.00159269	0.000875216
2104 Apr	0.076401442	9.0954E-06	1.595857263	8.370911598	0.044954862	0.000626252	13.57470703	0.003003489	0.007276171	0.000215587	0.000482331	0.000207289	0.116325386	2.05202E-06	0.00016796	0.000547546	0.001593599	0.000875715
2104 May	0.07681106	9.10402E-06	1.598106861	8.369579315	0.045144029	0.000625778	13.56809139	0.003003229	0.007289741	0.000217473	0.000482174	0.000207287	0.116561554	2.05289E-06	0.000167888	0.000549717	0.001595108	0.00087452
2104 Jun	0.076932721	9.07499E-06	1.592808962	8.330957413	0.04516324	0.000622351	13.48289776	0.002989671	0.007269221	0.000218651	0.000480008	0.000206355	0.11629083	2.04301E-06	0.000167068	0.000549908	0.001589631	0.000869437
2104 Jul	0.077176102	9.1073E-06	1.597674131	8.358038902	0.045298088	0.000624383	13.51962471	0.002999554	0.007292756	0.000219237	0.000481643	0.000207022	0.116651364	2.04933E-06	0.000167625	0.00055161	0.001594954	0.000872366
2104 Aug	0.077340595	9.13139E-06	1.601194263	8.378323555	0.045391046	0.00062604	13.5447464	0.00300691	0.007309113	0.000219581	0.000482794	0.000207521	0.116916947	2.05372E-06	0.000168047	0.000552648	0.001598415	0.000874598
2104 Sep	0.077254929	9.12726E-06	1.599460959	8.370244026	0.045324717	0.000625846	13.52236271	0.003004184	0.00730352	0.00021909	0.000482261	0.000207312	0.116799757	2.0514E-06	0.000167925	0.000551764	0.001596522	0.000873833
2104 Oct	0.077125691	9.11471E-06	1.596221089	8.352265358	0.045209002	0.000625067	13.48675156	0.002997967	0.007294818	0.000218391	0.000481127	0.000206847	0.11656893	2.04741E-06	0.000167628	0.0005504	0.001593138	0.000871915
2104 Nov	0.077101737	9.1124E-06	1.595526576	8.348044395	0.045181945	0.000624919	13.47855949	0.002996535	0.007293578	0.000218226	0.000480854	0.000206738	0.116518818	2.0466E-06	0.000167562	0.000550088	0.001592409	0.000871448
2104 Dec	0.077104934	9.11277E-06	1.595588684	8.348348618	0.045183592	0.000624944	13.47905731	0.002996646	0.007293893	0.000218234	0.000480871	0.000206745	0.116523303	2.04669E-06	0.000167568	0.000550108	0.001592471	0.000871479
2105 Jan	0.077105463	9.1128E-06	1.595593691	8.348359108	0.045183811	0.000624945	13.47907543	0.00299665	0.007293925	0.000218235	0.000480871	0.000206745	0.116523735	2.04669E-06	0.000167568	0.000550111	0.001592474	0.000871479
2105 Feb	0.07710693	9.11292E-06	1.59561789	8.348472595	0.04518465	0.000624953	13.47925854	0.002996691	0.007294034	0.000218239	0.000480878	0.000206748	0.116525598	2.04672E-06	0.000167571	0.00055012	0.001592496	0.00087149
2105 Mar	0.077109188	9.11316E-06	1.595661163	8.34869194	0.045185957	0.000624969	13.47961235	0.002996769	0.007294231	0.000218245	0.00048089	0.000206754	0.116528802	2.04677E-06	0.000167575	0.000550136	0.001592538	0.000871512
2105 Apr	0.077133454	9.11602E-06	1.596161246	8.351305008	0.045200169	0.000625165	13.48383045	0.002997707	0.007296517	0.000218314	0.00048104	0.000206818	0.116565362	2.04741E-06	0.000167627	0.000550309	0.001593036	0.000871784
2105 May	0.077446409	9.12258E-06	1.59786427	8.350610733	0.045346942	0.000624815	13.47816753	0.002997595	0.007306518	0.000219765	0.00048094	0.000206823	0.116747849	2.04796E-06	0.000167578	0.000551984	0.001594146	0.000870919
2105 Jun	0.077741325	9.12444E-06	1.598342657	8.343894958	0.045479923	0.000623936	13.45526409	0.00299539	0.007311386	0.000221225	0.000480556	0.000206678	0.116860077	2.04647E-06	0.000167407	0.000553541	0.001594297	0.000869392
2105 Jul	0.077992648	9.15733E-06	1.60340035	8.372242928	0.045620684	0.000626076	13.49400806	0.003005655	0.007335321	0.000221844	0.000482221	0.000207375	0.117236927	2.05294E-06	0.000167986	0.000555234	0.00159955	0.000872458
2105 Aug	0.077934794	9.15918E-06	1.602273464	8.369211197	0.045572624	0.000626136	13.47514343	0.003004786	0.007331509	0.00022142	0.000482009	0.000207295	0.117167965	2.05141E-06	0.000167958	0.000554467	0.001598367	0.000872332
2105 Sep	0.077744611	9.14459E-06	1.598199129	8.347901344	0.045426533	0.000625218	13.42915154	0.002997483	0.007317777	0.000220477	0.000480668	0.000206755	0.116879046	2.04627E-06	0.000167598	0.000552609	0.001594086	0.000870157
2105 Oct	0.077597797	9.1304E-06	1.594703674	8.329092026	0.0453045	0.000624352	13.39183426	0.002990933	0.007307407	0.000219739	0.000479491	0.000206269	0.116630323	2.0419E-06	0.000167281	0.000551161	0.001590445	0.000868178
2105 Nov	0.077545732	9.12514E-06	1.593387365	8.321565628	0.045257188	0.000624014	13.37762451	0.002988336	0.007303921	0.00021946	0.000479018	0.000206076	0.116535313	2.04032E-06	0.000167155	0.000550607	0.00158908	0.000867365
2105 Dec	0.07754726	9.12532E-06	1.593413353	8.321673393	0.04525777	0.000624025	13.37780666	0.002988377	0.007304082	0.000219462	0.000479024	0.000206078	0.116537161	2.04035E-06	0.000167157	0.000550615	0.001589106	0.000867375
2106 Jan	0.07754796	9.12535E-06	1.593420386	8.321691513	0.045258064	0.000624027	13.37783718	0.002988384	0.007304126	0.000219464	0.000479024	0.000206079	0.11653775	2.04036E-06	0.000167158	0.000550618	0.001589111	0.000867375
2106 Feb	0.077548884	9.1254E-06	1.59343183	8.321735382	0.045258578	0.000624029	13.3779068	0.002988399	0.007304176	0.000219466	0.000479026	0.00020608	0.116538703	2.04037E-06	0.000167159	0.000550624	0.001589119	0.000867379
2106 Mar	0.077552028	9.12574E-06	1.593492389	8.322042465	0.0452604	0.000624052	13.3784008	0.002988509	0.007304452	0.000219475	0.000479044	0.000206087	0.116543181	2.04045E-06	0.000167165	0.000550646	0.001589178	0.00086741
2106 Apr	0.077584162	9.1295E-06	1.594150186	8.325472832	0.045279142	0.000624309	13.38391495	0.002989741	0.007307467	0.000219566	0.000479241	0.000206172	0.116591334	2.04129E-06	0.000167233	0.000550873	0.001589833	0.000867767
2106 May	0.077780589	9.14151E-06	1.596463561	8.333806038	0.045379508	0.000624829	13.39633751	0.002992799	0.007319021	0.000220324	0.000479698	0.000206387	0.116779923	2.04371E-06	0.000167388	0.00055206	0.001591939	0.000868337
2106 Jun	0.077941537	9.11465E-06	1.590768576	8.287983894	0.045381445	0.000620842	13.30263329	0.002977317	0.007302403	0.000221519	0.000477289	0.000205297	0.11646197	2.03431E-06	0.000166448	0.000552389	0.001587377	0.000862284
2106 Jul	0.078186765	9.14885E-06	1.595349193	8.313406944	0.04550527	0.000622753	13.33333111	0.002986846	0.007326634	0.00022203	0.000478917	0.000205926	0.116800569	2.04052E-06	0.000166986	0.000554093	0.001593024	0.000865052
2106 Aug	0.078203976	9.15857E-06	1.595518708	8.316230774	0.045491774	0.000623239	13.32525158	0.00298816	0.007329757	0.000221803	0.000479044	0.000205993	0.116822481	2.04086E-06	0.000167077	0.000553753	0.001593206	0.000865494
2106 Sep	0.0780681	9.1505E-06	1.592696548	8.301289558	0.045382615	0.000622734	13.29081154	0.002983152	0.00732079	0.000221053	0.000478079	0.000205618	0.116622262	2.03736E-06	0.000166836	0.000552319	0.001590193	0.000863983
2106 Oct	0.07804355	9.14923E-06	1.591956496	8.297145844	0.045349665	0.000622704	13.28057671	0.002981768	0.007320301	0.000220817	0.000477792	0.000205505	0.116571523	2.03647E-06	0.000166784	0.000551937	0.001589373	0.000863542
2106 Nov	0.07806202	9.15141E-06	1.592325568	8.299042702	0.045359883	0.000622852	13.28356934	0.002982453	0.007322072	0.000220866	0.0004779	0.000205552	0.116598539	2.03695E-06	0.000166823	0.000552063	0.001589741	0.000863739
2106 Dec	0.078064546	9.15171E-06	1.592374563	8.299283981	0.045361202	0.000622872	13.28396034	0.002982541	0.00732232	0.000220872	0.000477914	0.000205557	0.116602093	2.03701E-06	0.000166828	0.000552079	0.001589789	0.000863763
2107 Jan	0.078065269	9.15176E-06	1.592385054	8.299326897	0.045361552	0.000622876	13.28402996	0.002982556	0.007322374	0.000220874	0.000477916	0.000205558	0.116602905	2.03702E-06	0.000166829	0.000552083	0.001589799	0.000863767
2107 Feb	0.078067556	9.152E-06	1.592427135	8.299536705	0.045362864	0.000622891	13.28436661	0.002982632	0.007322567	0.00022088	0.000477928	0.000205564	0.116606057	2.03708E-06	0.000166833	0.000552098	0.001589839	0.000863788
2107 Mar	0.078074574	9.1528E-06	1.59256804	8.30026722	0.045366939	0.000622946	13.28553486	0.002982894	0.007323214	0.0002209	0.00047797	0.000205582	0.116616413	2.03725E-06	0.000166848	0.000552148	0.001589979	0.000863863
2107 Apr	0.078090727	9.15469E-06	1.592896104	8.301973343	0.045376316	0.000623074	13.28826714	0.002983507	0.007324722	0.000220945	0.000478068	0.000205624	0.116640456	2.03767E-06	0.000166882	0.000552262	0.001590306	0.000864041
2107 May	0.07825771	9.15792E-06	1.593762279	8.301609993	0.045456156	0.000622876	13.28444481	0.002983428	0.007329646	0.000221733	0.000478015	0.000205626	0.11673744	2.03782E-06	0.000166854	0.000553166	0.001590829	0.000863583
2107 Jun	0.07858675	9.15524E-06	1.593451619	8.287449837	0.045593284	0.000621344	13.24849415	0.002978696	0.007332399	0.000223431	0.000477222	0.000205305	0.116805293	2.03503E-06	0.000166527	0.000554809	0.001590286	0.000861034
2107 Jul	0.078773588	9.18114E-06	1.597013235	8.307898521	0.045689601	0.000622904	13.27301884	0.002986218	0.00735036	0.000223827	0.000478452	0.000205808	0.117072761	2.03969E-06	0.000166955	0.000555981	0.001594205	0.00086328
2107 Aug	0.079020008	9.21265E-06	1.602000237	8.335058212	0.045827672	0.000625009	13.31150723	0.002996041	0.00737376	0.000224444	0.000480009	0.000206478	0.117443345	2.04603E-06	0.00016751	0.000557601	0.001599183	0.000866177
2107 Sep	0.079089642	9.224E-06	1.603410721	8.343543053	0.045858663	0.000625891	13.31901836	0.002999128	0.007381924	0.000224489	0.000480458	0.000206676	0.117554687	2.04771E-06	0.000167707	0.000557961	0.001600479	0.000867123
2107 Oct	0.07901071	9.21717E-06	1.601579428	8.334088326	0.045792364	0.000625518	13.29884624	0.002995835	0.007376783	0.000224063	0.000479856	0.000206428	0.117425978	2.04539E-06	0.000167554	0.000557172	0.001598543	0.00086615
2107 Nov	0.078979529	9.21422E-06	1.600811601	8.329792023	0.045764111	0.000625339	13.29046822	0.002994352	0.007374806	0.00022389	0.000479584	0.000206317	0.117370784	2.04446E-06	0.000167484	0.00055684	0.00159774	0.000865692
2107 Dec	0.078981943	9.2145E-06	1.600856781	8.330007553	0.045765292	0.000625358	13.29082012	0.002994431	0.007375045	0.000223896	0.000479596	0.000206322	0.117374063	2.04452E-06	0.000167488	0.000556855	0.001597785	0.000865713
2108 Jan	0.07898324	9.21461E-06	1.600877166	8.330097198	0.045765948	0.000625365	13.29096508	0.002994464	0.007375148	0.000223899	0.000479601	0.000206324	0.117375612	2.04455E-06	0.00016749	0.000556863	0.001597803	0.000865721
2108 Feb	0.078984424	9.2147E-06	1.600895047	8.330177307	0.045766614	0.00062537	13.29109287	0.002994492	0.007375229	0.000223902	0.000479605	0.000206326	0.11737702	2.04457E-06	0.000167492	0.00055687	0.001597818	0.000865729
2108 Mar	0.078992486	9.21562E-06	1.601055264	8.331003189	0.045771278	0.000625432	13.29241085	0.002994789	0.007375965	0.000223925	0.000479652	0.000206346	0.117388807	2.04477E-06	0.000167508	0.000556927	0.001597977	0.000865814
2108 Apr	0.079055652	9.22289E-06	1.602322698	8.337585449	0.045807902	0.000625925	13.30287743	0.002997153	0.00738179	0.000224104	0.00048003	0.000206509	0.117482021	2.04638E-06	0.00016764	0.000557371	0.001599235	0.000866496

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.079207718	9.23846E-06	1.605097413	8.351495743	0.045894913	0.000626946	13.32460213	0.00300214	0.007394526	0.000224553	0.000480822	0.000206852	0.117690474	2.04976E-06	0.000167916	0.00055841	0.001601918	0.00086789
2108 Jun	0.079311885	9.23538E-06	1.602475166	8.327784538	0.045871213	0.000624945	13.2752161	0.002994935	0.007393953	0.000224904	0.000479856	0.000206301	0.117518611	2.04687E-06	0.000167477	0.000558787	0.001601935	0.000864813
2108 Jul	0.079652339	9.27823E-06	1.609067678	8.362551689	0.046055697	0.000627549	13.32521343	0.003007727	0.007426648	0.000225758	0.000481985	0.000207163	0.118001722	2.05558E-06	0.000168194	0.000561212	0.001609344	0.00086848
2108 Aug	0.080010913	9.3226E-06	1.61643815	8.402098656	0.04626378	0.000630583	13.38411331	0.003021962	0.007460526	0.000226717	0.000484256	0.00020814	0.118547373	2.06489E-06	0.000168996	0.000563698	0.001616673	0.00087266
2108 Sep	0.080056988	9.33157E-06	1.617519736	8.409450531	0.046288699	0.000631308	13.38959217	0.003024602	0.007466032	0.000226736	0.000484654	0.000208313	0.118635468	2.06607E-06	0.000169161	0.000563962	0.001617647	0.000873519
2108 Oct	0.0798226	9.30849E-06	1.612240672	8.381477356	0.046108149	0.000629901	13.33598709	0.00301479	0.007448741	0.00022566	0.000482921	0.000207594	0.118257016	2.05946E-06	0.000168676	0.000561807	0.001612159	0.0008706
2108 Nov	0.079807051	9.30716E-06	1.611769438	8.378525734	0.046088133	0.000629824	13.33016968	0.003013799	0.007448217	0.000225532	0.000482725	0.000207517	0.118222781	2.05894E-06	0.000168632	0.000561578	0.001611656	0.000870271
2108 Dec	0.079810329	9.30754E-06	1.611831903	8.378831863	0.046089813	0.000629849	13.33066273	0.003013911	0.007448536	0.00022554	0.000482742	0.000207524	0.118227325	2.05902E-06	0.000168639	0.000561599	0.001611718	0.000870302
2109 Jan	0.079811282	9.30762E-06	1.611845493	8.378885269	0.046090271	0.000629853	13.33075047	0.003013931	0.007448608	0.000225542	0.000482745	0.000207525	0.118228376	2.05903E-06	0.00016864	0.000561604	0.00161173	0.000870307
2109 Feb	0.079813257	9.3078E-06	1.61187923	8.379047394	0.046091385	0.000629865	13.33100796	0.003013988	0.007448762	0.000225548	0.000482754	0.000207529	0.118230939	2.05907E-06	0.000168643	0.000561617	0.001611761	0.000870322
2109 Mar	0.079822108	9.30881E-06	1.612054825	8.379954338	0.046096493	0.000629933	13.33244896	0.003014314	0.007449572	0.000225573	0.000482806	0.000207552	0.118243866	2.0593E-06	0.000168661	0.000561679	0.001611935	0.000870416
2109 Apr	0.079864688	9.31375E-06	1.612911701	8.384403229	0.046121076	0.000630267	13.33952427	0.003015914	0.00745353	0.000225693	0.000483062	0.000207662	0.118306771	2.06039E-06	0.000168751	0.000561979	0.001612791	0.000870877
2109 May	0.080140181	9.32105E-06	1.61466217	8.385984421	0.046254739	0.000630126	13.33745956	0.003016563	0.007463028	0.000226952	0.000483103	0.000207718	0.118485451	2.06118E-06	0.000168751	0.000563502	0.001614014	0.000870398
2109 Jun	0.080568753	9.33156E-06	1.6168679	8.385486603	0.046455856	0.000629645	13.32579517	0.003016646	0.007476507	0.000228917	0.00048306	0.000207734	0.118731916	2.06169E-06	0.000168696	0.000565874	0.001615774	0.000869317
2109 Jul	0.080738679	9.35599E-06	1.620020986	8.404056549	0.046539418	0.000631074	13.34602547	0.003023518	0.007492886	0.000229242	0.000484182	0.000208189	0.118970677	2.06584E-06	0.000169088	0.000566876	0.0016193	0.000871382
2109 Aug	0.080933757	9.38203E-06	1.623532295	8.422945976	0.04662868	0.000632595	13.36947536	0.003030549	0.007511513	0.000229624	0.00048526	0.000208655	0.119231299	2.07059E-06	0.000169489	0.000567867	0.001622921	0.000873404
2109 Sep	0.080873251	9.38035E-06	1.622374535	8.418795586	0.046580762	0.000632658	13.35348988	0.003029117	0.007508476	0.000229219	0.000484961	0.000208536	0.119158261	2.06892E-06	0.000169444	0.000567246	0.001621588	0.000873082
2109 Oct	0.080607399	9.35406E-06	1.616326451	8.386080742	0.046370208	0.000631041	13.29206371	0.003017682	0.007489389	0.000227967	0.000482929	0.000207695	0.118721634	2.06147E-06	0.00016888	0.000564747	0.001615312	0.000869641
2109 Nov	0.080610342	9.35465E-06	1.616280556	8.385451317	0.046364658	0.000631085	13.29051781	0.003017504	0.007490251	0.000227923	0.000482876	0.000207677	0.118718147	2.06147E-06	0.000168877	0.00056469	0.001615249	0.000869558
2109 Dec	0.080614433	9.35512E-06	1.616359353	8.385842323	0.046366818	0.000631116	13.29114342	0.003017647	0.007490644	0.000227933	0.000482898	0.000207687	0.118723899	2.06157E-06	0.000168885	0.000564717	0.001615327	0.000869598
2110 Jan	0.0806164	9.35532E-06	1.616393805	8.386007309	0.046367873	0.000631129	13.29140568	0.003017706	0.007490812	0.000227938	0.000482907	0.000207691	0.11872647	2.06161E-06	0.000168889	0.00056473	0.00161536	0.000869614
2110 Feb	0.080618896	9.35556E-06	1.616438389	8.386227608	0.046369288	0.000631145	13.29175377	0.003017785	0.007491016	0.000227945	0.00048292	0.000207697	0.11872983	2.06167E-06	0.000168893	0.000564746	0.001615402	0.000869635
2110 Mar	0.080625258	9.35628E-06	1.616562963	8.386867523	0.046372939	0.000631193	13.29276848	0.003018015	0.007491593	0.000227963	0.000482957	0.000207712	0.118739024	2.06182E-06	0.000168906	0.00056479	0.001615526	0.000869701
2110 Apr	0.080651186	9.35927E-06	1.617081285	8.389552116	0.046387848	0.000631395	13.29702377	0.003018981	0.007493994	0.000228037	0.000483111	0.000207779	0.118777119	2.06248E-06	0.00016896	0.000564972	0.001616043	0.000869979
2110 May	0.08079347	9.36775E-06	1.618712425	8.395402908	0.046460751	0.000631754	13.30529881	0.003021124	0.007502117	0.000228592	0.000483431	0.00020793	0.1189119	2.06414E-06	0.000169068	0.00056583	0.001617514	0.000870371
2110 Jun	0.081022777	9.34088E-06	1.613855481	8.352731705	0.04651282	0.0006279	13.21877956	0.003006486	0.007486962	0.000230209	0.000481093	0.000206919	0.118670776	2.05509E-06	0.000168163	0.000566577	0.001612954	0.000864491
2110 Jul	0.081233904	9.36972E-06	1.617784739	8.3745327	0.046620026	0.000629548	13.24532318	0.00301461	0.007507461	0.000230662	0.00048246	0.000207457	0.118962817	2.06035E-06	0.000168622	0.000567998	0.001617613	0.000866857
2110 Aug	0.080968186	9.35096E-06	1.611888409	8.344745636	0.046410449	0.00062783	13.18082619	0.003004594	0.007485981	0.000229393	0.000480669	0.000206722	0.118534252	2.05349E-06	0.000168089	0.000565159	0.001611828	0.000863917
2110 Sep	0.080703393	9.32867E-06	1.606338739	8.315940857	0.046212722	0.000626501	13.12245941	0.002994587	0.007467089	0.000228141	0.000478865	0.000205987	0.118136227	2.04655E-06	0.000167596	0.000562711	0.001606007	0.000860977
2110 Oct	0.080474064	9.30579E-06	1.600874662	8.284863472	0.046013933	0.00062507	13.06588459	0.002983825	0.00745192	0.000226961	0.000476913	0.00020519	0.11773704	2.04005E-06	0.000167071	0.000560381	0.001600334	0.000857642
2110 Nov	0.080413528	9.29989E-06	1.599513054	8.277536392	0.045966163	0.000624713	13.05209064	0.002981263	0.007447636	0.000226674	0.000476457	0.000205001	0.117638685	2.03837E-06	0.000166945	0.000559814	0.001598918	0.000856873
2110 Dec	0.080416657	9.30025E-06	1.599570155	8.277802467	0.045967638	0.000624736	13.05252171	0.002981361	0.007447945	0.000226681	0.000476472	0.000205008	0.117642812	2.03845E-06	0.000166951	0.000559833	0.001598975	0.0008569
2111 Jan	0.080417797	9.30033E-06	1.599586248	8.277867317	0.04596819	0.000624741	13.05262566	0.002981385	0.007448031	0.000226683	0.000476475	0.000205009	0.117644064	2.03846E-06	0.000166952	0.000559839	0.001598989	0.000856905
2111 Feb	0.080418818	9.3004E-06	1.599599481	8.277920723	0.045968752	0.000624745	13.05270958	0.002981403	0.00744809	0.000226686	0.000476478	0.00020501	0.117645137	2.03848E-06	0.000166953	0.000559845	0.001598999	0.000856909
2111 Mar	0.080431208	9.3018E-06	1.599842191	8.279168129	0.045975823	0.000624839	13.05467606	0.002981853	0.007449219	0.000226721	0.00047655	0.000205041	0.117663056	2.03878E-06	0.000166978	0.000559931	0.00159924	0.000857037
2111 Apr	0.080478549	9.30726E-06	1.600781798	8.284026146	0.04600288	0.000625205	13.06233597	0.002983602	0.007453593	0.000226854	0.000476829	0.000205161	0.11773219	2.03998E-06	0.000167076	0.00056026	0.001600178	0.00085754
2111 May	0.080719441	9.31811E-06	1.603014112	8.289997101	0.046122186	0.000625483	13.0698204	0.002985834	0.007465165	0.000227861	0.000477138	0.000205322	0.117927611	2.04193E-06	0.000167175	0.000561652	0.001602074	0.000857699
2111 Jun	0.081093237	9.30564E-06	1.601341248	8.263733864	0.04626881	0.000622858	13.01358604	0.002976841	0.007462657	0.000229979	0.000475636	0.000204716	0.117921002	2.03669E-06	0.000166585	0.000563384	0.00159998	0.000853491
2111 Jul	0.081464067	9.35045E-06	1.608529687	8.301495552	0.046473555	0.000625705	13.06921673	0.002990591	0.007497337	0.000230958	0.000477872	0.000205651	0.118451394	2.04597E-06	0.000167357	0.000565951	0.001607572	0.000857443
2111 Aug	0.081368774	9.34891E-06	1.606553078	8.293203354	0.046392214	0.00062543	13.04255199	0.002987969	0.007490813	0.000230357	0.000477346	0.000205444	0.11831411	2.04365E-06	0.00016723	0.000564755	0.001605594	0.000856753
2111 Sep	0.081329353	9.35044E-06	1.605850458	8.289336205	0.046350714	0.000625558	13.02958393	0.002986847	0.007489902	0.000229996	0.000477051	0.000205348	0.118264847	2.04288E-06	0.000167191	0.000564158	0.00160476	0.000856389
2111 Oct	0.081133246	9.33182E-06	1.601644039	8.26763916	0.046205666	0.000624468	12.98779488	0.002979202	0.007475645	0.000229112	0.000475708	0.000204788	0.117962718	2.03759E-06	0.000166814	0.000562424	0.001600382	0.000854161
2111 Nov	0.081021525	9.32062E-06	1.599076629	8.253273964	0.046113882	0.000623768	12.96196842	0.002974204	0.007467958	0.000228571	0.000474813	0.000204421	0.117774822	2.03452E-06	0.000166567	0.000561345	0.001597726	0.00085263
2111 Dec	0.081024207	9.32092E-06	1.599111319	8.253357887	0.046114258	0.000623787	12.96211147	0.002974243	0.007468284	0.000228571	0.000474816	0.000204423	0.117777184	2.03458E-06	0.00016657	0.000561351	0.00159776	0.000852634
2112 Jan	0.081025377	9.321E-06	1.599126816	8.253416061	0.04611481	0.000623792	12.96220398	0.002974264	0.007468368	0.000228574	0.000474819	0.000204424	0.117778398	2.03459E-06	0.000166572	0.000561358	0.001597773	0.000852639
2112 Feb	0.08102791	9.32123E-06	1.599168777	8.253614426	0.046116225	0.000623806	12.96251678	0.002974335	0.007468561	0.000228581	0.00047483	0.000204429	0.117781617	2.03464E-06	0.000166575	0.000561374	0.001597811	0.000852658
2112 Mar	0.08104258	9.32288E-06	1.599453807	8.255075455	0.046124563	0.000623916	12.96481133	0.002974862	0.00746989	0.000228622	0.000474913	0.000204465	0.11780268	2.035E-06	0.000166605	0.000561475	0.001598094	0.000852808
2112 Apr	0.081083864	9.32761E-06	1.600266218	8.259263039	0.046148051	0.000624233	12.97138691	0.00297637	0.007473683	0.000228738	0.000475154	0.000204568	0.117862545	2.03604E-06	0.000166689	0.000561761	0.001598904	0.00085324
2112 May	0.081379004	9.33567E-06	1.602222562	8.260714531	0.046288062	0.000624078	12.97110653	0.002977025	0.007484663	0.00023007	0.000475184	0.000204625	0.118053287	2.03719E-06	0.000166687	0.000563375	0.001600353	0.000852683
2112 Jun	0.081436336	9.28166E-06	1.592820644	8.19479084	0.046250157	0.000618285	12.84060669	0.002953865	0.007446832	0.000231424	0.000471518	0.000203037	0.117509596	2.02135E-06	0.000165292	0.00056296	0.001591031	0.000844295
2112 Jul	0.081561655	9.30198E-06	1.594933152	8.207242966	0.046303909	0.000619217	12.85035419	0.00295877	0.007459962	0.000231591	0.000472424	0.000203345	0.117666781	2.02445E-06	0.000165571	0.000563857	0.001594362	0.000845711
2112 Aug	0.081810281	9.33434E-06	1.600016356	8.235048294	0.046445921	0.000621431	12.8882246	0.002968822	0.007483545	0.000232208	0.000474009	0.000204031	0.118048258	2.03076E-06	0.000166143	0.000565514	0.001599373	0.00084868
2112 Sep	0.081817605	9.33976E-06	1.600326777	8.237841606	0.046443775	0.000621889	12.8862257	0.002969907	0.007485955	0.000232074	0.00047413	0.000204094	0.118077613	2.03106E-06	0.000166222	0.000565427	0.001599567	0.000849052
2112 Oct	0.081766777	9.33622E-06	1.599266648	8.232977867	0.046403475	0.000621751	12.87433815	0.002968197	0.007482971	0.000231788	0.000473811	0.000203963	0.11800462	2.02967E-06	0.00016615	0.000564942	0.001598417	0.000848586
2112 Nov	0.081771463	9.33704E-06	1.599324465	8.233216286	0.046403043	0.000621816	12.87418175	0.0029683	0.007483727	0.000231773	0.000473817	0.000203967	0.118009284	2.02976E-06	0.00016616	0.00056494	0.001598462	0.000848608
2112 Dec	0.081775643	9.33751E-06	1.599403501	8.233606339	0.046405237	0.000621848	12.87479687	0.002968442	0.007484122	0.000231784	0.000473839	0.000203977	0.118015066	2.02986E-06	0.000166168	0.000564967	0.001598541	0.000848648
2113 Jan	0.081776358	9.33757E-06	1.599412799	8.233639717	0.046405565	0.00062185	12.87485218	0.002968455	0.007484173	0.000231786	0.000473841	0.000203977	0.118015796	2.02988E-06	0.000166168	0.000564971	0.001598548	0.00084865
2113 Feb	0.081778467	9.33777E-06	1.599449158	8.233816147	0.046406753	0.000621863	12.87512875	0.002968518	0.007484342	0.000231791	0.000473851	0.000203982	0.11801856	2.02992E-06	0.000166172	0.000564985	0.001598583	0.000848667
2113 Mar	0.081800669	9.34028E-06	1.599880695	8.236032486	0.046419345	0.000622031	12.8785944	0.002969317	0.00748636	0.000231854	0.000473978	0.000204036	0.118050449	2.03047E-06	0.000166217	0.000565138	0.001599013	0.000848895
2113 Apr	0.081841677	9.34495E-06	1.600681305	8.240151405	0.046442613	0.000622341	12.88503361	0.002970801	0.007490105	0.000231971	0.000474215	0.000204138	0.118109547	2.03148E-06	0.0001663	0.000565421	0.001599812	0.000849319
2113 May	0.082091741	9.35481E-06	1.60278666	8.244903564	0.046565611	0.000622503	12.89009285	0.002972595	0.007501141	0.000233045	0.000474449	0.000204271	0.118300192	2.03313E-06	0.000166371	0.000566848	0.001601532	0.000849301
2113 Jun	0.082351096	9.34131E-06	1.600750446	8.221815109	0.046667587	0.000620209	12.83850288	0.002964582	0.007495071	0.00023464	0.000473147	0.00020373	0.118250653	2.02782E-06	0.000165855	0.000568041	0.001599184	0.000845789
2113 Jul	0.082626827	9.37601E-06	1.605907798	8.249588013	0.046811663	0.000622329	12.87580395	0.002974768	0.0075208	0.000235305	0.000474792	0.000204415	0.118634775	2.03453E-06	0.000166429	0.000569804	0.001604678	0.000848737
2113 Aug	0.082831159	9.40321E-06	1.609939814	8.272089005	0.04692262	0.000624115	12.90452576	0.002982945	0.007504089	0.000235777	0.000476078	0.000204969	0.118939042	2.03959E-06	0.000166895	0.000571072	0.001608697	0.000851164
2113 Sep	0.082761578	9.4012E-06	1.60873127	8.267678261	0.046871241	0.000624156	12.88859653	0.002981433	0.007536482	0.000235344	0.000475763	0.000204845	0.118860051	2.03791E-06	0.000166844	0.000570395	0.001607317	0.000850826
2113 Oct	0.082455568	9.37175E-06	1.602200508	8.233139038	0.046642229	0.000622401	12.82503319	0.002969296	0.007514677	0.000233963	0.000473627	0.000203958	0.118384689	2.0299E-06	0.000166241	0.000567672	0.001600552	0.000847245
2113 Nov	0.082413137	9.36767E-06	1.601041794	8.225699425	0.046593778	0.00062214	12.81216145	0.002966784	0.007512873	0.000233669	0.000473144	0.000203767	0.118297376	2.02866E-06	0.000166125	0.000567121	0.001599343	0.000846413
2113 Dec	0.082417645	9.36818E-06	1.601124406	8.226094246	0.046596009	0.000622173	12.81278801	0.002966929	0.007513306	0.00023368	0.000473166	0.000203776	0.118303418	2.02877E-06	0.000166133	0.000567149	0.001599425	0.000846452
2114 Jan	0.082419105	9.3683E-06	1.601146579	8.22618866	0.046596739	0.00062218	12.81293869	0.002966963	0.00751342	0.000233683	0.000473171	0.000203779	0.118305117	2.0288E-06	0.000166135	0.000567157	0.001599445	0.00084646
2114 Feb	0.082420342	9.36839E-06	1.601163864	8.226263046	0.046597417	0.000622186	12.81305504	0.00296699	0.007513498	0.000233686	0.000473175	0.00020378	0.118306495	2.02882E-06	0.000166137	0.000567165	0.001599459	0.000846467
2114 Mar	0.08243221	9.36971E-06	1.601390719	8.227420807	0.046604119	0.000622273	12.81485748	0.002967407	0.007514562	0.00023372	0.000473241	0.000203809	0.118323319	2.0291E-06	0.00016616	0.000567246	0.001599684	0.000846585
2114 Apr	0.08246173	9.37305E-06	1.60196209	8.230351448	0.046620801	0.000622494	12.81942272	0.002968464	0.007517242	0.000233804	0.00047341	0.000203882	0.118365571	2.02983E-06	0.000166219	0.000567449	0.001600254	0.000846886
2114 May	0.082696728	9.37372E-06	1.602655172	8.225852966	0.046730373	0.000621863	12.80794144	0.002966921	0.007521796	0.000234995	0.000473097	0.000203789	0.11846938	2.02917E-06	0.000166093	0.000568672	0.001600379	0.000845727
2114 Jun	0.083101086	9.38585E-06	1.605030179	8.228043556	0.046924949	0.0006216	12.8001194	0.002967937	0.007535477	0.000236822	0.000473233	0.000203868	0.118722416	2.03006E-06	0.000166096	0.00057099	0.001602443	0.000845058
2114 Jul	0.083495349	9.43328E-06	1.612603068	8.268341064	0.047143355	0.000624649	12.85775185	0.002982557	0.007571716	0.000237869	0.000475593	0.000204863	0.119286619	2.03967E-06	0.000166918	0.000573664	0.001610264	0.000849288
2114 Aug	0.083886355	9.47966E-06	1.620225668	8.308371544	0.047362719	0.000627728	12.91669846	0.002997024	0.007607599	0.000238927	0.000477889	0.000205853	0.119853891	2.04927E-06	0.000167732	0.00057629	0.001617858	0.00085346
2114 Sep	0.083781101	9.47469E-06	1.61831069	8.29993248	0.047284741	0.000627568	12.89373302	0.002994136	0.007601512	0.00023833	0.000477325	0.00020563	0.119721524	2.04679E-06	0.000167609	0.000575279	0.001615754	0.000852699
2114 Oct	0.083615422	9.46005E-06	1.614828348	8.282125473	0.047158696	0.000626764	12.85869694	0.002987881	0.007590431	0.00023753	0.000476208	0.000205167	0.119470663	2.04247E-06	0.00016731	0.000573778	0.001612106	0.000850887
2114 Nov	0.083462879	9.44516E-06	1.611503124	8.263924599	0.047039475	0.000625856	12.82628632	0.002981522	0.007579925	0.000236817	0.000475078	0.000204701	0.119226135	2.03849E-06	0.000166995	0.000572372	0.001608673	0.000848973
2114 Dec	0.083460711	9.44498E-06	1.611439109	8.263498306	0.047036588	0.000625845	12.82553101	0.00298138	0.007579873	0.000236799	0.00047505	0.00020469	0.119221292	2.03842E-06	0.000166988	0.000572339	0.001608605	0.000848925
2115 Jan	0.083462544	9.44513E-06	1.611466885	8.263617516	0.047037505	0.000625855	12.82571983	0.002981423	0.007580016	0.000236804	0.000475056	0.000204693	0.119223423	2.03846E-06	0.000166991	0.00057235	0.00160863	0.000848935
2115 Feb	0.083464883	9.44533E-06	1.611503959	8.263790131	0.047038805	0.000625867	12.82598591	0.002981484	0.007580187	0.00023681	0.000475066	0.000204697	0.119226292	2.0385E-06	0.000166994	0.000572365	0.001608664	0.000848951
2115 Mar	0.083471313	9.44602E-06	1.611623764	8.26439476	0.047042418	0.000625912	12.82692432	0.002981702	0.007580749	0.000236828	0.0004751	0.000204712	0.119235225	2.03865E-06	0.000167006	0.000572408	0.001608781	0.000849012

Appendix D.2-22: PUMP02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.083512224	9.45063E-06	1.612411261	8.268425941	0.04706547	0.000626218	12.83318233	0.002983157	0.007584452	0.000236944	0.000475332	0.000204812	0.119293533	2.03964E-06	0.000167088	0.000572689	0.001609566	0.000849426
2115 May	0.083763771	9.45376E-06	1.613513231	8.26636219	0.047185924	0.000625771	12.82525253	0.002982478	0.007590761	0.000238176	0.000475161	0.000204778	0.119427428	2.0395E-06	0.00016701	0.000574043	0.001610103	0.000848539
2115 Jun	0.084220096	9.47992E-06	1.618404746	8.283537865	0.047418747	0.00062677	12.84614182	0.002988805	0.007615403	0.000239984	0.000476123	0.000205223	0.119842768	2.04418E-06	0.000167324	0.000576803	0.001614586	0.000849616
2115 Jul	0.084569417	9.52263E-06	1.625079632	8.319684029	0.047610063	0.000629524	12.89603329	0.003001902	0.007647381	0.000240886	0.000478217	0.000206113	0.120343216	2.05261E-06	0.000168064	0.000579082	0.001621356	0.000853442
2115 Aug	0.084438324	9.5179E-06	1.622755051	8.310816765	0.047520645	0.000629167	12.86838913	0.002998948	0.007637875	0.000240216	0.000477666	0.000205889	0.120181851	2.04969E-06	0.000167919	0.000577795	0.001618985	0.000852753
2115 Sep	0.084435195	9.52346E-06	1.62290287	8.312051773	0.047507763	0.00062959	12.86376667	0.002999587	0.007639884	0.000240006	0.000477682	0.00020592	0.12019603	2.04991E-06	0.000167973	0.000577544	0.001619012	0.000852949
2115 Oct	0.084413692	9.52294E-06	1.622450471	8.310235977	0.047486525	0.000629639	12.85754967	0.002998964	0.007639342	0.000239828	0.000477547	0.000205865	0.120166533	2.04931E-06	0.000167957	0.00057729	0.001618489	0.000852793
2115 Nov	0.084341548	9.5161E-06	1.620794058	8.300751686	0.0474234	0.000629225	12.84069824	0.002995689	0.007634983	0.000239444	0.000476947	0.000205622	0.120043769	2.0474E-06	0.0001678	0.000576555	0.001616772	0.000851778
2115 Dec	0.08434204	9.51622E-06	1.620779991	8.300574303	0.047421865	0.000629234	12.84031868	0.002995637	0.007635188	0.000239432	0.000476933	0.000205617	0.120042615	2.0474E-06	0.000167799	0.00057654	0.001616754	0.000851755
2116 Jan	0.084343918	9.51638E-06	1.620807767	8.300690651	0.047422793	0.000629243	12.84050274	0.00299568	0.007635333	0.000239437	0.000476939	0.000205619	0.120044746	2.04743E-06	0.000167801	0.00057655	0.001616778	0.000851765
2116 Feb	0.084348015	9.51676E-06	1.620877504	8.301028252	0.047425076	0.000629268	12.8410244	0.002995801	0.007635657	0.000239448	0.000476958	0.000205627	0.120050058	2.04752E-06	0.000167808	0.000576577	0.001616844	0.000851798
2116 Mar	0.084355012	9.51751E-06	1.621007085	8.301680565	0.047428999	0.000629317	12.84203434	0.002996036	0.007636265	0.000239468	0.000476995	0.000205644	0.120059736	2.04768E-06	0.000167821	0.000576625	0.001616971	0.000851864
2116 Apr	0.084393524	9.52184E-06	1.621744633	8.305451393	0.047450654	0.000629603	12.84786797	0.002997397	0.007639738	0.000239577	0.000477212	0.000205737	0.120114401	2.04861E-06	0.000167897	0.000576888	0.001617705	0.00085225
2116 May	0.084646024	9.52899E-06	1.623476267	8.306886673	0.047569994	0.00062949	12.84863472	0.002998036	0.007649473	0.000240708	0.000477248	0.000205791	0.120279618	2.04974E-06	0.000167899	0.000578269	0.001619019	0.000851795
2116 Jun	0.084758267	9.48747E-06	1.616611242	8.256259918	0.047580112	0.000624901	12.74782467	0.002980186	0.007621425	0.000242137	0.000474415	0.000204576	0.119904257	2.03748E-06	0.00016681	0.000578374	0.001611966	0.000845173
2116 Jul	0.085131183	9.53294E-06	1.623636961	8.293426514	0.047783449	0.0006277	12.79951	0.0029938	0.00765598	0.000243105	0.000476662	0.000205496	0.12042696	2.04651E-06	0.000167575	0.000580987	0.001619654	0.000849073
2116 Aug	0.085443482	9.57103E-06	1.629777193	8.326031685	0.047959439	0.000630259	12.84566021	0.003005591	0.007684776	0.000243927	0.000478523	0.000206302	0.120886892	2.05415E-06	0.000168241	0.000583072	0.001625726	0.000852491
2116 Sep	0.085262798	9.55835E-06	1.626422048	8.310810089	0.047835298	0.000629668	12.81070805	0.003000227	0.007672782	0.000243058	0.000477556	0.000205903	0.12065012	2.04982E-06	0.000167992	0.000581522	0.001622149	0.000851063
2116 Oct	0.085067831	9.54035E-06	1.622023463	8.285867691	0.047666002	0.000628604	12.76603794	0.00299161	0.007661226	0.000242013	0.000475976	0.000205259	0.120324016	2.04475E-06	0.00016758	0.000579549	0.00161758	0.000848409
2116 Nov	0.085072614	9.54115E-06	1.6219666	8.284831047	0.04765771	0.000628656	12.76411343	0.002991315	0.00766258	0.000241951	0.000475892	0.000205231	0.120318547	2.04479E-06	0.000167574	0.000579467	0.001617505	0.000848269
2116 Dec	0.085073918	9.54129E-06	1.621988177	8.284921646	0.04765822	0.000628665	12.76426029	0.00299135	0.007662713	0.000241954	0.000475897	0.000205233	0.120320097	2.04482E-06	0.000167576	0.000579473	0.001617526	0.000848278
2117 Jan	0.085074626	9.54133E-06	1.621996403	8.284947395	0.047658537	0.000628668	12.76430225	0.002991359	0.00766276	0.000241955	0.000475898	0.000205234	0.12032076	2.04483E-06	0.000167577	0.000579477	0.001617532	0.000848279
2117 Feb	0.085075423	9.54138E-06	1.622006059	8.284984589	0.047658972	0.00062867	12.76435852	0.002991372	0.007662804	0.000241957	0.0004759	0.000205234	0.120321564	2.04484E-06	0.000167577	0.000579481	0.00161754	0.000848282
2117 Mar	0.085084073	9.54232E-06	1.622167826	8.285803795	0.047663808	0.000628732	12.76562214	0.002991667	0.007663566	0.000241982	0.000475947	0.000205255	0.120333612	2.04505E-06	0.000167594	0.00057954	0.0016177	0.000848365
2117 Apr	0.085134313	9.54794E-06	1.623124123	8.290683746	0.047691952	0.000629102	12.77313995	0.00299343	0.007668083	0.000242124	0.000476227	0.000205376	0.120404579	2.04625E-06	0.000167692	0.000579882	0.001618652	0.000848864
2117 May	0.085377604	9.55847E-06	1.625307918	8.296599388	0.047814246	0.000629358	12.77946854	0.002995615	0.007679177	0.00024316	0.000476532	0.000205535	0.120600417	2.04801E-06	0.000167788	0.000581298	0.001620461	0.000849015
2117 Jun	0.085743576	9.56707E-06	1.627143025	8.295908928	0.047987185	0.000628889	12.76904488	0.002995596	0.007690331	0.000244857	0.000476497	0.000205543	0.120807774	2.04837E-06	0.000167734	0.000583357	0.00162199	0.000848061
2117 Jul	0.086106688	9.61029E-06	1.633942485	8.331771851	0.048183206	0.000631623	12.81966591	0.003008645	0.007723386	0.000245809	0.000478586	0.000206429	0.121315509	2.05702E-06	0.000168468	0.000585734	0.001628977	0.000851807
2117 Aug	0.086301081	9.63638E-06	1.637803197	8.353402138	0.04829029	0.000633365	12.84659863	0.003016497	0.007741691	0.000246257	0.000479817	0.000206961	0.121608749	2.06179E-06	0.000168917	0.000586953	0.001632788	0.000854141
2117 Sep	0.086365111	9.64716E-06	1.639193058	8.362145424	0.048323967	0.000634203	12.8544693	0.00301965	0.007748836	0.000246324	0.000480293	0.000207168	0.121719271	2.06338E-06	0.000169111	0.000587327	0.001634072	0.000855133
2117 Oct	0.086266167	9.639E-06	1.637093782	8.35117054	0.048242979	0.000633779	12.83280277	0.003015829	0.00774302	0.000245794	0.000479592	0.000206881	0.121566795	2.06086E-06	0.000168935	0.000586372	0.001631863	0.00085401
2117 Nov	0.086238407	9.63675E-06	1.636503696	8.348093987	0.048220038	0.000633665	12.8266573	0.003014759	0.007741419	0.000245642	0.000479395	0.0002068	0.121524014	2.06015E-06	0.000168886	0.000586102	0.00163124	0.000853695
2117 Dec	0.086240008	9.63698E-06	1.636529922	8.348221779	0.048220448	0.000633682	12.82676506	0.003014808	0.00774162	0.000245642	0.000479401	0.000206803	0.12152601	2.06019E-06	0.000168889	0.000586107	0.001631264	0.000853708
2118 Jan	0.086241476	9.63709E-06	1.636550307	8.348302841	0.048221152	0.000633689	12.82689381	0.003014838	0.007741729	0.000245646	0.000479405	0.000206805	0.121527597	2.06021E-06	0.000168891	0.000586116	0.001631282	0.000853715
2118 Feb	0.086243376	9.63724E-06	1.636578679	8.348428726	0.048222203	0.000633698	12.82708836	0.003014882	0.007741859	0.000245651	0.000479412	0.000206808	0.121529832	2.06024E-06	0.000168893	0.000586128	0.001631306	0.000853726
2118 Mar	0.08624807	9.63773E-06	1.636663318	8.348851204	0.048224814	0.000633729	12.8277359	0.003015035	0.007742258	0.000245664	0.000479436	0.000206818	0.121536195	2.06035E-06	0.000168902	0.000586159	0.001631389	0.000853769
2118 Apr	0.086300418	9.64137E-06	1.637393594	8.352033615	0.048253983	0.000633948	12.83247757	0.003016156	0.007745535	0.000245804	0.000479602	0.000206892	0.121595189	2.0611E-06	0.000168961	0.000586485	0.001631989	0.00085404
2118 May	0.086660057	9.63667E-06	1.63778007	8.340102196	0.048420757	0.000632527	12.80743504	0.003011924	0.007748964	0.000247645	0.000478801	0.000206617	0.121714331	2.05888E-06	0.000168654	0.000588287	0.001631238	0.000851605
2118 Jun	0.086789288	9.60437E-06	1.632753015	8.302624702	0.04846203	0.000629003	12.72898293	0.002998532	0.007726864	0.000249035	0.000476666	0.000205717	0.121464714	2.04905E-06	0.000167827	0.000588662	0.001625635	0.000846589
2118 Jul	0.087243147	9.65667E-06	1.641221881	8.346405029	0.048710331	0.000632322	12.79290676	0.003014448	0.007767795	0.000250275	0.000479225	0.000206801	0.122095704	2.05978E-06	0.00016872	0.000591721	0.001634359	0.000851107
2118 Aug	0.087257378	9.66691E-06	1.64188695	8.352639198	0.048713572	0.000633066	12.7914257	0.003016833	0.007771228	0.000250095	0.000479545	0.000206952	0.122154742	2.06051E-06	0.000168872	0.000591604	0.001634916	0.000851944
2118 Sep	0.086929969	9.64036E-06	1.63571763	8.322055817	0.048489898	0.000631577	12.73159027	0.003006101	0.007748363	0.000248644	0.00047765	0.00020617	0.121704787	2.05289E-06	0.000168339	0.000588842	0.0016285	0.000848923
2118 Oct	0.086687006	9.61796E-06	1.630675793	8.295111656	0.048304576	0.000630274	12.68330479	0.002996669	0.007732307	0.000247502	0.000475974	0.000205477	0.12133237	2.0469E-06	0.000167877	0.000586657	0.001623296	0.000846134
2118 Nov	0.086639963	9.61377E-06	1.629662871	8.289538383	0.048265591	0.000630035	12.6732111	0.002994736	0.007729493	0.000247257	0.000475622	0.000205333	0.121257327	2.04572E-06	0.000167785	0.000586201	0.001622245	0.00084555
2118 Dec	0.086643532	9.61416E-06	1.629725814	8.289834023	0.048267283	0.000630061	12.673666	0.002994845	0.007729834	0.000247266	0.000475638	0.000205341	0.121261962	2.0458E-06	0.000167791	0.000586222	0.001622307	0.000845579
2119 Jan	0.086645253	9.61432E-06	1.629752398	8.289950371	0.048268151	0.00063007	12.67384624	0.002994887	0.00772997	0.00024727	0.000475644	0.000205343	0.121263981	2.04583E-06	0.000167793	0.000586232	0.001622332	0.00084559
2119 Feb	0.086647846	9.61455E-06	1.629794717	8.290151596	0.048269581	0.000630085	12.67415333	0.002994959	0.007730168	0.000247277	0.000475655	0.000205348	0.121267244	2.04588E-06	0.000167797	0.000586249	0.001622371	0.000845609
2119 Mar	0.086663246	9.61623E-06	1.630080938	8.291599274	0.048278153	0.000630194	12.67636871	0.002995482	0.007731524	0.000247321	0.000475738	0.000205384	0.121288598	2.04624E-06	0.000167827	0.000586353	0.001622654	0.000845756
2119 Apr	0.086812101	9.62354E-06	1.631793737	8.298016548	0.04836069	0.000630585	12.68564892	0.002997687	0.007738917	0.000247708	0.000476038	0.000205521	0.121435724	2.0477E-06	0.000167937	0.000587235	0.001623825	0.000846184
2119 May	0.087410688	9.607E-06	1.632162094	8.27737999	0.048665017	0.000628067	12.64305115	0.002989758	0.007738402	0.000250077	0.000474453	0.000204935	0.121642046	2.04235E-06	0.000167369	0.000590178	0.001620742	0.000841952
2119 Jun	0.087480165	9.60349E-06	1.631178975	8.270783424	0.048697099	0.000627314	12.62003326	0.002987488	0.007734486	0.000250548	0.000474172	0.000204777	0.121614531	2.03993E-06	0.000167221	0.000590624	0.001620057	0.00084103
2119 Jul	0.08789058	9.65153E-06	1.638760209	8.310156822	0.04891992	0.000630291	12.67582226	0.003001875	0.007771652	0.000251643	0.000476516	0.000205752	0.122180313	2.04958E-06	0.000168028	0.000593436	0.001628125	0.000845107
2119 Aug	0.088078916	9.67936E-06	1.642677426	8.332490921	0.049024012	0.000632208	12.7010479	0.003010024	0.007790121	0.000252014	0.000477766	0.000206301	0.122480504	2.05434E-06	0.000168499	0.000594574	0.001631911	0.00084755
2119 Sep	0.087916411	9.66896E-06	1.639828324	8.31897068	0.048913475	0.000631678	12.67152119	0.003005348	0.007779564	0.00025124	0.000476909	0.000205957	0.122273646	2.05083E-06	0.000168275	0.000593161	0.00162891	0.000846272
2119 Oct	0.08775162	9.65467E-06	1.636557221	8.302350998	0.048792921	0.000630897	12.64025116	0.002999499	0.007768746	0.000250475	0.000475875	0.000205526	0.122034006	2.04686E-06	0.000167992	0.000591732	0.001625523	0.000844598
2119 Nov	0.087681234	9.64828E-06	1.635134935	8.294886589	0.048740763	0.00063053	12.62683964	0.002996879	0.007764062	0.000250153	0.000475412	0.000205335	0.121928893	2.04517E-06	0.000167863	0.000591116	0.001624059	0.000843833
2119 Dec	0.087684885	9.64868E-06	1.635199428	8.295190811	0.048742544	0.000630556	12.62731171	0.002996991	0.007764405	0.000250162	0.000475429	0.000205342	0.121933639	2.04525E-06	0.000167869	0.000591138	0.001624123	0.000843863

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.053	0.000047	0.000014	0.00000037	0.013	0.0000074	0.0046	3.7E-07	3.7E-07	1.8E-09	2.2E-06	1.0E-06	2.5E-06	2.7E-05	1.8E-09	2.1E-02	7.4E-09	2.6E-07	4.4E-07	7.0E-07
Operations (2020-2043): Mean	2683	4.3	6.5	0.123	1236	0.27	500	3.8E-04	3.8E-04	3.0E-06	1.4E-02	4.9E-03	4.4E-01	1.5E-02	5.8E-06	1.2E+02	1.1E-04	4.1E-04	8.3E-04	6.8E-03
Operations (2020-2043): Max	6658	8.3	12.6	0.23	3087	0.40	1163	6.8E-04	6.8E-04	4.4E-06	1.9E-02	9.3E-03	6.7E-01	2.0E-02	7.3E-06	2.6E+02	1.8E-04	5.0E-04	1.1E-03	9.7E-03
Active Closure (2044-2050): Min	249	0.30	0.45	0.0094	91	0.056	66	4.4E-04	4.4E-04	3.3E-06	4.6E-03	8.6E-04	6.5E-02	8.8E-03	5.1E-06	2.1E+01	2.1E-05	1.1E-04	1.9E-04	1.6E-03
Active Closure (2044-2050): Mean	447	0.59	0.88	0.018	173	0.083	115	8.3E-04	8.3E-04	4.5E-06	6.0E-03	1.4E-03	1.1E-01	9.9E-03	5.2E-06	3.1E+01	3.3E-05	1.6E-04	2.8E-04	2.3E-03
Active Closure (2044-2050): Max	1452	2.1	3.1	0.059	589	0.21	359	9.1E-04	9.1E-04	4.7E-06	1.3E-02	3.8E-03	3.5E-01	1.5E-02	5.5E-06	8.6E+01	9.4E-05	4.1E-04	7.3E-04	5.7E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Post Closure (2051-2119): Min	256	0.17	0.22	0.0052	51	0.045	69	8.5E-04	8.5E-04	4.7E-06	4.7E-03	9.0E-04	6.7E-02	8.9E-03	5.1E-06	2.1E+01	2.1E-05	1.1E-04	2.0E-04	1.6E-03
Post Closure (2051-2119): Mean	395	0.25	0.35	0.0075	73	0.052	149	8.8E-04	8.8E-04	4.8E-06	6.6E-03	1.7E-03	1.3E-01	1.3E-02	5.4E-06	4.1E+01	3.7E-05	1.9E-04	3.2E-04	2.4E-03
Post Closure (2051-2119): Max	502	0.31	0.46	0.010	93	0.058	213	9.1E-04	9.1E-04	4.8E-06	8.1E-03	2.5E-03	1.7E-01	1.7E-02	5.7E-06	5.8E+01	5.0E-05	2.5E-04	4.2E-04	3.0E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2119)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0.053068746	4.71064E-05	1.41687E-05	3.68019E-07	0.013469477	7.36037E-06	0.004600232	3.68019E-07	3.68019E-07	1.84009E-09	2.17131E-06	1.03045E-06	2.53933E-06	2.66813E-05	1.84009E-09	0.021161065	7.36037E-09	2.57613E-07	4.41622E-07	6.99235E-07
2028 Feb	0.259104103	0.000229993	6.91777E-05	1.79682E-06	0.06576369	3.59364E-05	0.022460278	1.79682E-06	1.79682E-06	8.98411E-09	1.06013E-05	5.0311E-06	1.23981E-05	0.00013027	8.98411E-09	0.103317283	3.59364E-08	1.25778E-06	2.15619E-06	3.41396E-06
2028 Mar	0.496199369	0.00044045	0.000132479	3.44102E-06	0.125941277	6.88204E-05	0.043012735	3.44102E-06	3.44102E-06	1.72051E-08	2.0302E-05	9.63485E-06	2.3743E-05	0.000249474	1.72051E-08	0.197858557	6.88204E-08	2.40871E-06	4.12922E-06	6.53793E-06
2028 Apr	0.750629008	0.000666294	0.000200409	5.20542E-06	0.190518543	0.000104108	0.065067813	5.20542E-06	5.20542E-06	2.60271E-08	3.0712E-05	1.45752E-05	3.59174E-05	0.000377393	2.60271E-08	0.299311906	1.04108E-07	3.6438E-06	6.24651E-06	9.89031E-06
2028 May	274.7617798	1.108091831	1.702508092	0.028227571	126.1492691	0.046123195	45.77996826	1.00152E-05	1.00152E-05	2.47657E-07	0.002054385	0.000514356	0.079612345	0.001960863	6.86388E-07	10.53963566	1.49228E-05	3.31364E-05	0.000132641	0.001017304
2028 Jun	849.2197876	1.81786263	2.548360348	0.0653883	446.092926	0.128691897	142.0818024	0.000557174	0.000557174	3.40759E-06	0.010867395	0.002051825	0.209148079	0.011021524	4.91184E-06	36.65815735	6.08429E-05	0.000310391	0.000474865	0.003682386
2028 Jul	1096.360718	2.337232351	3.274018526	0.08440119	577.5697632	0.168122128	183.8619385	0.000683148	0.000683148	4.22054E-06	0.013449205	0.002637168	0.269666582	0.013639749	6.1688E-06	46.78860092	7.56155E-05	0.000377358	0.000601289	0.004768466
2028 Aug	1540.129761	3.663542986	5.235178471	0.12384931	801.0328979	0.237811714	258.9162903	0.000657746	0.000657746	4.42144E-06	0.016515292	0.003452529	0.387283415	0.015944749	7.13586E-06	63.34261703	9.83616E-05	0.000448513	0.000809468	0.006490441
2028 Sep	1674.122314	4.415584564	6.390341282	0.140255898	857.6275635	0.261784911	281.7847595	0.000452268	0.000452268	3.49138E-06	0.016439732	0.003532453	0.430175304	0.015074279	6.40791E-06	67.33123779	0.000101511	0.000417944	0.000851579	0.006884407
2028 Oct	1552.578003	5.213981628	7.772643089	0.144340321	749.7132568	0.264994651	259.2289734	0.000512134	0.000512134	3.67899E-06	0.015925702	0.003344266	0.425205618	0.01629681	6.24426E-06	64.37161255	9.23297E-05	0.000327041	0.000774217	0.006291127
2028 Nov	1426.940186	4.828336239	7.190629482	0.132862851	686.2709351	0.247600466	237.8616028	0.000564106	0.000564106	3.84422E-06	0.015378384	0.003166724	0.391586959	0.01655533	6.18912E-06	60.46236801	8.58926E-05	0.000315468	0.000720372	0.00584832
2028 Dec	1423.845947	4.817749977	7.174377918	0.132564127	684.7445068	0.247175753	237.3353271	0.000565898	0.000565898	3.85085E-06	0.015369471	0.003162922	0.390732229	0.016570522	6.1904E-06	60.37350845	8.57429E-05	0.00031536	0.000719128	0.005838027
2029 Jan	1421.383789	4.809093475	7.161195278	0.132321775	683.5239258	0.246785551	236.9128418	0.000566698	0.000566698	3.85297E-06	0.01535497	0.003160344	0.390030563	0.016611088	6.18821E-06	60.32123184	8.56162E-05	0.000315504	0.000718806	0.005829746
2029 Feb	1420.169556	4.804643631	7.154424191	0.132196948	682.9089355	0.246569946	236.6995239	0.00056711	0.00056711	3.85406E-06	0.015345982	0.003160002	0.389666319	0.016664216	6.18708E-06	60.31855011	8.55538E-05	0.000315869	0.000719263	0.00582601
2029 Mar	1420.08313	4.804170132	7.153641701	0.132182628	682.8508911	0.246552408	236.679306	0.000567551	0.000567551	3.85615E-06	0.015347238	0.003161059	0.389626175	0.016698904	6.1889E-06	60.34078598	8.55543E-05	0.000316187	0.000719787	0.005826315
2029 Apr	1423.029175	4.814035892	7.168290138	0.132453382	684.2583618	0.247062474	237.1670685	0.000568992	0.000568992	3.86543E-06	0.01538029	0.003168311	0.390425324	0.016753348	6.20297E-06	60.48033142	8.5735E-05	0.000317029	0.000721596	0.005838768
2029 May	1554.266968	5.350579739	7.998195648	0.146004722	744.2089844	0.268265128	259.0832214	0.000555766	0.000555766	3.87733E-06	0.016193161	0.003391591	0.428307742	0.01730562	6.43461E-06	65.21409607	9.25405E-05	0.000327483	0.00078194	0.006300748
2029 Jun	1531.360352	4.932021141	7.366428852	0.139695928	745.1070557	0.25053373	255.5344391	0.000527993	0.000527993	3.6776E-06	0.015530919	0.003281775	0.413550228	0.015581558	6.2698E-06	62.80389404	9.40898E-05	0.000346861	0.000783734	0.006134674
2029 Jul	1156.993652	2.596329212	3.674889565	0.090829015	607.3911743	0.180890068	194.9052429	0.000544656	0.000544656	3.54451E-06	0.012186102	0.002692749	0.28607887	0.013036761	5.61679E-06	48.13376236	7.1361E-05	0.000328814	0.000616856	0.004983054
2029 Aug	1820.063965	4.819243908	7.013614178	0.152858123	933.1351318	0.280328035	307.0671387	0.000318181	0.000318181	2.85624E-06	0.015898198	0.003685988	0.466619849	0.013693118	6.08332E-06	70.98751068	0.000104712	0.000404383	0.000905343	0.007338186
2029 Sep	1932.30188	5.511682987	8.088712692	0.167167172	975.0722656	0.302218378	325.3866882	0.000301117	0.000301117	2.82682E-06	0.017110808	0.003856695	0.504066348	0.014497941	6.21554E-06	75.53145599	0.000111538	0.000407044	0.000951897	0.007704878
2029 Oct	1906.151123	5.797246456	8.574715614	0.169425875	946.8270874	0.304341912	320.2650146	0.000330844	0.000330844	2.93604E-06	0.017224519	0.003821032	0.505331039	0.014970973	6.24177E-06	75.04577637	0.000110241	0.000382614	0.000934788	0.007563477
2029 Nov	2096.253418	6.830717564	10.20728779	0.192426383	1023.38208	0.339383125	351.5923767	0.000324953	0.000324953	3.01059E-06	0.018432783	0.004138051	0.566377699	0.015683759	6.60786E-06	81.84352112	0.000119634	0.000378673	0.001011527	0.008189915
2029 Dec	2108.237549	6.890043259	10.30042076	0.193801209	1028.449463	0.341498375	353.5783081	0.000324189	0.000324189	3.01367E-06	0.018507706	0.004157948	0.570091426	0.015723122	6.62989E-06	82.26792908	0.000120234	0.00037879	0.001016477	0.008230309
2030 Jan	2106.636963	6.884682178	10.29227829	0.193648532	1027.652588	0.34125641	353.304657	0.000324733	0.000324733	3.01529E-06	0.018499071	0.004156056	0.569647789	0.015741186	6.62864E-06	82.2281189	0.000120152	0.000378802	0.0010161	0.008224859
2030 Feb	2106.197021	6.883102894	10.289855	0.193603054	1027.424072	0.341183782	353.2260742	0.000325067	0.000325067	3.01663E-06	0.018497111	0.004156222	0.569515705	0.015767245	6.62912E-06	82.23225403	0.000120132	0.000378999	0.001016352	0.008223691
2030 Mar	2106.9021	6.885329723	10.29314995	0.193665117	1027.760376	0.341297209	353.3416748	0.000325395	0.000325395	3.01871E-06	0.018504338	0.004158176	0.569699109	0.015788503	6.63236E-06	82.27138519	0.000120175	0.000379277	0.001016945	0.008226742
2030 Apr	2111.356689	6.899843693	10.31482792	0.194073021	1029.929077	0.342018366	354.0872192	0.000326208	0.000326208	3.0257E-06	0.018544056	0.004167289	0.570899487	0.015831014	6.64696E-06	82.4519577	0.000120431	0.000380165	0.00101924	0.008244307
2030 May	2158.136963	7.034623146	10.51778698	0.197773039	1052.345947	0.348418564	361.9385681	0.00033118	0.00033118	3.07504E-06	0.018869253	0.004251801	0.581676185	0.016113287	6.76359E-06	84.25598907	0.000122733	0.000386842	0.00103802	0.008396216
2030 Jun	1204.852051	2.605847597	3.671018839	0.091499731	631.4650879	0.175092772	202.8095856	0.000469174	0.000469174	3.17365E-06	0.012797531	0.002626736	0.289194584	0.011963052	5.27643E-06	49.4367981	7.73001E-05	0.000362009	0.000624865	0.004932926
2030 Jul	1978.171753	3.822563648	5.51513195	0.125565365	1000.746399	0.233578429	333.9361572	0.000421152	0.000421152	3.10912E-06	0.014231725	0.003706343	0.387595117	0.012681818	5.85885E-06	77.29137421	9.82996E-05	0.00039236	0.000771093	0.006322016
2030 Aug	2973.090088	6.019089222	8.850272179	0.184389159	1472.500732	0.330840051	502.1072693	0.000293197	0.000293197	2.8018E-06	0.017252553	0.005126183	0.556114435	0.014217262	6.60428E-06	113.307579	0.00013163	0.00045155	0.001027494	0.008545013
2030 Sep	3056.917236	6.161478996	9.029192924	0.190197468	1519.042725	0.341054112	516.4859009	0.000255309	0.000255309	2.67409E-06	0.017936157	0.005246013	0.575228095	0.014375063	6.63075E-06	116.3895035	0.000136676	0.000476015	0.00106727	0.008861218
2030 Oct	2550.128174	5.157114029	7.533675194	0.158205733	1264.515747	0.28805992	430.4592896	0.000306113	0.000306113	2.68718E-06	0.016017495	0.004468286	0.479002774	0.013872871	5.96741E-06	98.74134064	0.000115843	0.000417247	0.00090016	0.007460893
2030 Nov	2557.98584	5.228160858	7.66721344	0.15764679	1260.600708	0.286532074	431.4948425	0.000324007	0.000324007	2.74191E-06	0.015884293	0.004465052	0.475039482	0.01401321	5.95734E-06	99.28931427	0.000114612	0.000405294	0.000883734	0.007336095
2030 Dec	2557.025146	5.227007866	7.66583252	0.157570198	1260.00061	0.28642574	431.3252258	0.000325092	0.000325092	2.74633E-06	0.015882811	0.004464102	0.474782914	0.014025013	5.95938E-06	99.26833344	0.000114556	0.00040512	0.00088322	0.00733193
2031 Jan	2554.80957	5.222424984	7.658968449	0.15742971	1258.889771	0.28620109	430.9453735	0.000325715	0.000325715	2.74843E-06	0.015875423	0.0044617	0.474365771	0.014047447	5.9586E-06	99.20829773	0.000114468	0.000405114	0.000882919	0.007326572
2031 Feb	2553.680664	5.220038414	7.655398369	0.157356411	1258.317261	0.286076456	430.7493591	0.000326035	0.000326035	2.74951E-06	0.015870776	0.004460934	0.474146783	0.014075168	5.95818E-06	99.18901062	0.000114424	0.000405256	0.000883073	0.007324038
2031 Mar	2553.887939	5.22041893	7.655918121	0.15736714	1258.4104	0.286100656	430.7812805	0.000326315	0.000326315	2.75098E-06	0.015873354	0.004461954	0.474180162	0.01409481	5.95986E-06	99.21045685	0.000114437	0.000405463	0.000883442	0.007325016
2031 Apr	2570.083252	5.253115177	7.704282761	0.158323795	1266.292603	0.287812948	433.5104675	0.000328126	0.000328126	2.76682E-06	0.015964357	0.004489568	0.47703287	0.014183501	5.99431E-06	99.84118652	0.000115123	0.00040782	0.00088873	0.007368171
2031 May	2742.0979	5.510503292	8.123932838	0.163157344	1338.729004	0.295006663	463.0759277	0.000351951	0.000351951	2.93788E-06	0.016127795	0.004773636	0.490634352	0.016368911	6.17362E-06	107.87146	0.000119254	0.000428535	0.000933869	0.007522473
2031 Jun	1493.319092	2.735325098	3.932622194	0.088076897	735.2844849	0.175801277	257.7512207	0.00057	0.00057	3.62638E-06	0.012539711	0.003237442	0.286892116	0.019809896	5.60004E-06	67.79401398	8.01566E-05	0.000416774	0.00072325	0.004941182
2031 Jul	1953.129639	3.50044775	5.068319798	0.111955263	959.1090088	0.22230728	340.2590332	0.000575608	0.000575608	3.90344E-06	0.014703654	0.003918798	0.366303831	0.018177906	6.38609E-06	83.47068787	9.92169E-05	0.000451683	0.000807346	0.006102345
2031 Aug	3048.577393	5.520735741	8.154987335	0.165766761	1475.960815	0.311896622	530.0031738	0.00029432	0.00029432	2.93868E-06	0.016162375	0.005221547	0.524973154	0.014208624	6.30563E-06	120.0578461	0.000129109	0.000453397	0.00095688	0.008051485
2031 Sep	4137.062988	7.718497753	11.61493492	0.213375837	1959.52124	0.380513191	708.2188721	0.000259825	0.000259825	3.00433E-06	0.017842272	0.006529629	0.642268658	0.014754312	6.76579E-06	158.9978485	0.000154328	0.000446838	0.001052129	0.009181632
2031 Oct	3986.419678	7.472287655	11.25543213	0.203993469	1881.519653	0.364061981	680.6390991	0.000313194	0.000313194	3.16919E-06	0.017448487	0.006305055	0.609808803	0.015134379	6.68421E-06	153.854538	0.000147613	0.000423609	0.000993991	0.008699853
2031 Nov	4347.924805	8.181113243	12.36249542	0.220994368	2046.389771	0.389598906	740.8224487	0.000296126	0.000296126	3.18888E-06	0.018127723	0.006772169	0.6551705	0.015396077	6.91129E-06	166.7975922	0.000157552	0.000432389	0.001047776	0.009214147
2031 Dec	4344.794922	8.175408363	12.35383511	0.22082518	2044.87085	0.389339298	740.2759399	0.000297144	0.000297144	3.1925E-06	0.018122196	0.006768269	0.65465337	0.01540429	6.91159E-06	166.6928101	0.00015744	0.000432212	0.001047008	0.009207393
2032 Jan	4341.588867	8.169353485	12.34457111	0.22065872	2043.34375	0.389071256	739.7233276	0.000297723	0.000297723	3.19409E-06	0.018114286	0.006764563	0.654162884	0.01542378	6.91032E-06	166.5928345	0.000157334	0.000432195	0.001046645	0.009201421
2032 Feb	4339.792969	8.165911674	12.33930302	0.220564708	2042.484741	0.388913363	739.4120483	0.000298028	0.000298028	3.19488E-06	0.018109085	0.00676288	0.653885841	0.015448571	6.90953E-06	166.546402	0.000157275	0.000432313	0.001046717	0.009198304
2032 Mar	4340.285645	8.166806221	12.34061718	0.220588267	2042.709595	0.388959199	739.4932251	0.000298294	0.000298294	3.19639E-06	0.018112386	0.006764251	0.653956652	0.015467198	6.91143E-06	166.5774994	0.000157296	0.000432522	0.001047109	0.009199724

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2032 Apr	4351.881836	8.188607216	12.37354088	0.221176803	2048.162842	0.38999933	741.4674072	0.00029922	0.00029922	3.20557E-06	0.018161468	0.00678266	0.655701935	0.015517926	6.93052E-06	167.0293579	0.000157719	0.000433768	0.001050059	0.009224511
2032 May	4521.664063	8.345338821	12.6125288	0.225353181	2127.343262	0.397206277	770.5354004	0.000299575	0.000299575	3.21245E-06	0.018370098	0.007003596	0.668319941	0.015757646	7.02488E-06	173.4767151	0.000161694	0.000443424	0.001070459	0.009404526
2032 Jun	2445.885986	3.436458349	5.048579216	0.105057083	1166.157104	0.213742703	434.3418274	0.000423358	0.000423358	2.97058E-06	0.012810376	0.004210851	0.357892424	0.01186986	5.41147E-06	99.86621857	0.000101154	0.000387205	0.000686121	0.005738682
2032 Jul	3688.204346	4.42206955	6.531167984	0.133574158	1751.421875	0.271042764	651.4971313	0.000336203	0.000336203	2.57319E-06	0.013246415	0.005822195	0.451242149	0.011919001	5.74359E-06	146.2023315	0.000125492	0.000418473	0.000818961	0.007184894
2032 Aug	5866.092773	6.860762119	10.30499458	0.192901969	2759.098145	0.361902714	1016.02063	0.000270029	0.000270029	2.31302E-06	0.014998144	0.008433124	0.610224843	0.012696551	6.40132E-06	226.0833893	0.000170619	0.000489239	0.001001643	0.009089073
2032 Sep	5097.506348	6.032171249	8.983011246	0.174320921	2407.035156	0.337337345	889.949646	0.000261838	0.000261838	2.30363E-06	0.0151058	0.007549382	0.567602932	0.012760539	6.18623E-06	198.6952515	0.000158229	0.000491796	0.000970469	0.008663824
2032 Oct	4785.164551	5.685172081	8.438354492	0.165410414	2261.851318	0.323409468	837.2612915	0.000268579	0.000268579	2.31839E-06	0.015013303	0.007164219	0.542723	0.012809886	6.05054E-06	187.3759308	0.000151971	0.000481492	0.000941286	0.008364644
2032 Nov	5718.125	6.711855888	10.04766178	0.189172179	2691.00415	0.356760144	991.6393433	0.000254867	0.000254867	2.24078E-06	0.015438363	0.008248944	0.601301372	0.012934841	6.28378E-06	221.061203	0.000169618	0.000493079	0.000997671	0.009014815
2032 Dec	6126.646484	7.154202938	10.74792004	0.198741928	2877.647949	0.368904591	1058.335938	0.000252719	0.000252719	2.20656E-06	0.015476886	0.008704301	0.622407377	0.012942342	6.34468E-06	235.6830444	0.000176351	0.000492182	0.001011322	0.009214039
2033 Jan	6116.801758	7.142686367	10.73038483	0.198414117	2872.98291	0.368347675	1056.61731	0.000254062	0.000254062	2.21162E-06	0.015463512	0.008693068	0.62138015	0.012989036	6.34273E-06	235.3539886	0.000176086	0.000492035	0.00101057	0.009200807
2033 Feb	6112.615234	7.137759686	10.72283936	0.198274851	2870.987305	0.368106246	1055.882324	0.000254823	0.000254823	2.21476E-06	0.015458138	0.00868956	0.62094754	0.013048066	6.34295E-06	235.2417908	0.00017598	0.000492345	0.001010985	0.009196092
2033 Mar	6118.747559	7.144899845	10.73348713	0.198471889	2873.851807	0.368481368	1056.935303	0.000255589	0.000255589	2.21952E-06	0.015476489	0.008699611	0.621566594	0.013098237	6.3518E-06	235.5044708	0.000176165	0.000493193	0.001012603	0.009206183
2033 Apr	6163.668945	7.197343349	10.81222439	0.199927911	2894.941406	0.371189922	1064.691284	0.000257758	0.000257758	2.23727E-06	0.015591741	0.008764244	0.626127601	0.013215642	6.39986E-06	237.2487488	0.000177463	0.000497016	0.001020383	0.009274267
2033 May	5009.894531	6.648354053	10.01687431	0.18187587	2344.588135	0.335178584	864.0099487	0.000368804	0.000368804	2.64268E-06	0.015171548	0.00755878	0.564497471	0.019433172	6.4157E-06	198.4238739	0.000155263	0.000492409	0.001048891	0.008402624
2033 Jun	2465.66333	3.854736328	5.710967064	0.112502784	1156.234375	0.231818885	443.7462463	0.000431284	0.000431284	2.88037E-06	0.013369218	0.004587915	0.388967425	0.020391433	5.64727E-06	107.9658585	0.000105362	0.000451393	0.000888964	0.006274262
2033 Jul	2644.537842	4.517687798	6.666762829	0.13602905	1248.390381	0.290607363	490.5578003	0.000346275	0.000346275	2.72456E-06	0.015968554	0.004997054	0.48866722	0.016136942	6.29477E-06	113.1341476	0.000123819	0.000467592	0.000989368	0.007804787
2033 Aug	3262.843018	5.844337463	8.686501503	0.171783015	1538.249512	0.354181498	600.1395874	0.000260743	0.000260743	2.44545E-06	0.018109042	0.005867229	0.599699855	0.015097979	6.79699E-06	135.0184021	0.000146454	0.000494375	0.001133595	0.009272406
2033 Sep	3190.970459	5.964487076	8.940394402	0.165588632	1492.931641	0.324566931	568.6289063	0.000323124	0.000323124	2.46143E-06	0.016567405	0.005461593	0.541026056	0.01434768	6.26547E-06	129.384201	0.000131387	0.000408262	0.000971725	0.008076146
2033 Oct	3162.972168	5.948297024	8.930801392	0.163513586	1477.883057	0.316891372	560.3679199	0.000324835	0.000324835	2.41346E-06	0.016139973	0.005357326	0.527336061	0.014072859	6.09897E-06	127.6574707	0.000128073	0.000388542	0.000938716	0.007816388
2033 Nov	3070.014893	5.778550625	8.672829628	0.158544317	1433.772583	0.308266222	543.2681885	0.000352129	0.000352129	2.51893E-06	0.015904263	0.005228576	0.510587096	0.014244402	6.08102E-06	124.3117142	0.000124398	0.000381691	0.000911539	0.007588334
2033 Dec	3069.44751	5.777588844	8.671363831	0.158511862	1433.495605	0.308213145	543.1549683	0.000352594	0.000352594	2.52095E-06	0.01590425	0.005227953	0.510464311	0.014249868	6.08207E-06	124.2937698	0.000124374	0.000381667	0.000911347	0.007586724
2034 Jan	3068.4021	5.775604725	8.668326378	0.158456594	1433.00061	0.308118016	542.9672241	0.000352839	0.000352839	2.5219E-06	0.015901431	0.005226764	0.510288775	0.014258967	6.08177E-06	124.2618408	0.000124336	0.000381677	0.000911226	0.007584553
2034 Feb	3067.908691	5.774649143	8.666863441	0.158429891	1432.764404	0.308069527	542.8774414	0.000352969	0.000352969	2.52243E-06	0.015899858	0.005226411	0.510203481	0.014270364	6.08169E-06	124.251709	0.000124319	0.000381745	0.0009113	0.007583628
2034 Mar	3068.209961	5.775201321	8.667675972	0.158444777	1432.901855	0.308100343	542.9293823	0.000353106	0.000353106	2.52318E-06	0.015901953	0.00522719	0.51025176	0.014279226	6.08278E-06	124.2692795	0.000124333	0.000381854	0.00091151	0.007584533
2034 Apr	3076.185547	5.790204525	8.690184593	0.158856258	1436.624756	0.308901548	544.3399048	0.000354082	0.000354082	2.53003E-06	0.015943594	0.005240928	0.511577129	0.014320604	6.09887E-06	124.5953674	0.000124657	0.000382887	0.000913948	0.00760434
2034 May	3017.700195	5.6109972	8.418539047	0.154023081	1407.911011	0.300633281	534.2125244	0.000378904	0.000378904	2.63776E-06	0.01569654	0.005204476	0.497745812	0.01583373	6.1082E-06	123.6603165	0.000122508	0.000394849	0.000921163	0.007453751
2034 Jun	2041.648193	3.428539038	5.062187195	0.10045062	948.758728	0.222438514	380.6623535	0.000442485	0.000442485	2.93438E-06	0.013502055	0.004090403	0.369078219	0.018238105	5.59696E-06	92.70027161	9.83121E-05	0.00042355	0.000825201	0.006017815
2034 Jul	4290.849609	6.616086006	9.993201256	0.182481319	1993.28833	0.362150609	766.7322388	0.000346667	0.000346667	2.683E-06	0.016767779	0.006932857	0.608390629	0.014575079	6.89667E-06	171.8874054	0.000154399	0.000448507	0.001062755	0.009065427
2034 Aug	4338.711914	6.652999878	10.00227165	0.186848596	2016.953735	0.383004934	786.0025635	0.000332664	0.000332664	2.75694E-06	0.01815022	0.007177213	0.644292653	0.015298365	7.27926E-06	176.0578003	0.000163278	0.000500978	0.001145458	0.009745147
2034 Sep	4027.236572	6.214177132	9.348470688	0.17032373	1870.138428	0.339314133	718.6373291	0.000311385	0.000311385	2.43394E-06	0.01636298	0.006469189	0.567371964	0.014086727	6.35067E-06	162.0361786	0.000145583	0.000434778	0.000987567	0.008454789
2034 Oct	4374.624512	6.784925938	10.2557869	0.181914255	2029.975708	0.348013222	768.2649536	0.00032141	0.00032141	2.40293E-06	0.016221642	0.006788689	0.581465602	0.014121752	6.34511E-06	173.1879425	0.000149119	0.000415504	0.000981166	0.00846584
2034 Nov	4551.774414	7.065815449	10.69293022	0.188691095	2112.022461	0.357558191	796.9766235	0.000320081	0.000320081	2.39766E-06	0.016452989	0.007005032	0.598085701	0.014249926	6.43845E-06	179.4633636	0.000153157	0.000418528	0.001001349	0.008655732
2034 Dec	4554.361328	7.070018291	10.6994791	0.188782051	2113.209717	0.3576774	797.3640137	0.000320723	0.000320723	2.40051E-06	0.016458217	0.007008352	0.598249614	0.01426072	6.44197E-06	179.5577545	0.000153203	0.00041857	0.001001509	0.00865742
2035 Jan	4557.969238	7.074367046	10.70630932	0.188879222	2114.873779	0.357787549	797.9294434	0.000320908	0.000320908	2.40117E-06	0.016459016	0.007012798	0.59843725	0.01427687	6.44344E-06	179.6939392	0.000153262	0.000418693	0.001001892	0.00865941
2035 Feb	4557.470215	7.07311964	10.70439243	0.188843995	2114.633545	0.357720673	797.8328857	0.000321131	0.000321131	2.40209E-06	0.016456794	0.007012615	0.598319054	0.014296371	6.4435E-06	179.6888885	0.00015324	0.000418824	0.00100205	0.008658192
2035 Mar	4557.769531	7.07356739	10.70504284	0.188855529	2114.76709	0.357745677	797.8830566	0.000321325	0.000321325	2.40311E-06	0.016458815	0.007013527	0.598356187	0.014309925	6.44476E-06	179.7097626	0.000153253	0.000418972	0.001002321	0.008659044
2035 Apr	4575.211426	7.100627422	10.74598122	0.189577773	2122.857178	0.359115601	800.9351807	0.000322654	0.000322654	2.4128E-06	0.016522339	0.007040625	0.600644827	0.014371889	6.46991E-06	180.4026642	0.000153841	0.000420644	0.001006273	0.008692345
2035 May	4592.801758	7.040779114	10.65176392	0.188200712	2130.364502	0.357946664	804.7578735	0.000337348	0.000337348	2.49194E-06	0.016553326	0.007097024	0.598683417	0.015237913	6.53524E-06	181.90448	0.000154358	0.000432753	0.001018936	0.008703024
2035 Jun	1712.973511	2.301246643	3.365506887	0.070284478	784.083313	0.180656344	334.662323	0.000473946	0.000473946	3.04244E-06	0.012012732	0.003574776	0.298557252	0.01503204	5.21728E-06	80.99230194	8.6397E-05	0.000393556	0.000674398	0.005078043
2035 Jul	3326.960938	3.652454376	5.412518978	0.108658701	1533.234619	0.263952553	625.8058472	0.000440567	0.000440567	3.144E-06	0.014479239	0.005730174	0.441040874	0.013432372	6.26624E-06	141.9134369	0.000128152	0.000473079	0.000837746	0.007182369
2035 Aug	4642.697266	4.96848011	7.429508686	0.142064452	2146.714355	0.318158269	849.9616699	0.000260317	0.000260317	2.33226E-06	0.014525506	0.007234075	0.536562324	0.012214886	6.03127E-06	189.5543671	0.000152351	0.000497555	0.000935582	0.008351601
2035 Sep	6658.368164	6.991184711	10.59055519	0.186440364	3086.703369	0.361902773	1162.857178	0.000313421	0.000313421	2.41369E-06	0.014407043	0.009347126	0.606260121	0.013013255	6.30515E-06	259.5097656	0.000179471	0.000485228	0.000942507	0.008878093
2035 Oct	5998.956055	6.318032265	9.541378975	0.169595778	2779.676514	0.337332517	1053.030518	0.000331635	0.000331635	2.48232E-06	0.014184218	0.00856998	0.56229198	0.013094245	6.12436E-06	235.7718658	0.000166739	0.000468749	0.000895417	0.008357543
2035 Nov	5918.925293	6.236356735	9.41601181	0.167736962	2742.540771	0.33452183	1040.359985	0.000315015	0.000315015	2.4032E-06	0.014053363	0.008466079	0.558523118	0.012814519	6.03023E-06	232.7492218	0.0001653	0.000465365	0.000891363	0.008308089
2035 Dec	5926.012695	6.243362427	9.427061081	0.167875126	2745.843506	0.334616333	1041.394287	0.000316301	0.000316301	2.40828E-06	0.01405296	0.008473552	0.558601558	0.012829391	6.03444E-06	232.9949799	0.000165363	0.000465278	0.000891078	0.008307444
2036 Jan	5923.934082	6.241127491	9.423664093	0.167808592	2744.87207	0.334477097	1041.002075	0.000316744	0.000316744	2.40995E-06	0.014049249	0.008471204	0.558341742	0.012848022	6.03425E-06	232.926651	0.000165297	0.000465273	0.00089097	0.008304033
2036 Feb	5921.774902	6.238843441	9.420155525	0.167746261	2743.860107	0.334359705	1040.617676	0.000317007	0.000317007	2.41096E-06	0.01404624 7	0.008469106	0.558135688	0.012870875	6.0339E-06	232.8615112	0.000165243	0.000465366	0.000891095	0.008301654
2036 Mar	5920.66748	6.237672329	9.418354988	0.167714253	2743.341064	0.334299654	1040.420532	0.000317153	0.000317153	2.41153E-06	0.01404477	0.008468059	0.55802989	0.012883388	6.03378E-06	232.8287048	0.000165215	0.000465422	0.000891172	0.008300453
2036 Apr	5937.551758	6.288228512	9.495765686	0.169029802	2751.000977	0.336646765	1043.461182	0.000317105	0.000317105	2.4274E-06	0.014146673	0.008500627	0.562153816	0.013033849	6.06885E-06	233.5521088	0.000166069	0.000468262	0.000898912	0.008356072
2036 May	5987.344238	6.424804688	9.703918457	0.17264013	2773.514893	0.343486756	1052.666382	0.000319901	0.000319901	2.48633E-06	0.014470351	0.00860199	0.574066579	0.01354585	6.1872E-06	235.7924652	0.000168672	0.000478088	0.000922904	0.00852428
2036 Jun	3493.563965	4.330692768	6.519027233	0.118860081	1607.268677	0.254325241	631.3623047	0.000431754	0.000431754	3.08088E-06	0.013233864	0.00565573	0.424262404	0.014056378	5.76667E-06	144.5948029	0.000121625	0.000417807	0.000762287	0.006504924
2036 Jul	2787.052002	3.68192625	5.519784451	0.10334643	1276.030029	0.235427618	518.3451538	0.000428396	0.000428396	3.10813E-06	0.013081826	0.004852674	0.392555982	0.013094563	5.62773E-06	119.0194168	0.000110241	0.000401176	0.000724506	0.006140422
2036 Aug	2827.525391	3.788791656	5.679964066	0.106425136	1294.096436	0.242912069	527.223999	0.000426524	0.000426524	3.14606E-06	0.013420986	0.004946603	0.405237705	0.013303922	5.74253E-06	120.9236984	0.000112859	0.000409777	0.000746327	0.006332229
2036 Sep	2956.582031	4.173600674	6.268846512	0.116359994	1353.341187	0.260327756	550.4417114	0.000395145	0.000395145	3.10845E-06	0.013972188	0.005145136	0.435794562	0.013376079	5.84608E-06	125.6679764	0.000118371	0.000418144	0.000786186	0.006714089
2036 Oct	3095.260986	4.594245911	6.916499615	0.12660332	1417.772095	0.275406212	572.190918	0.000377284	0.000377284	3.12017E-06	0.014416013	0.005326176	0.461343259	0.013544622	5.94124E-06	130.3072052	0.000122741	0.000419489	0.000812771	0.006995453
2036 Nov	3149.288086	4.730241299	7.126326561	0.129945844	1442.890625	0.280314505	580.8388672	0.000371964	0.000371964	3.12391E-06	0.014555495	0.005395764	0.469814718	0.013594435	5.97572E-06	132.1540527	0.000124342	0.00042054	0.000822001	0.007090313
2036 Dec	3162.175781	4.765029907	7.18005085	0.130788565	1448.894165	0.281502426	582.8364258	0.000370761	0.000370761	3.12543E-06	0.014588044	0.005411857	0.471838236	0.013607671	5.98362E-06	132.5829926	0.000124704	0.000420614	0.00082402	0.007111968
2037 Jan	3161.913574	4.764717579	7.179568768	0.130778685	1448.772583	0.281480104	582.7827759	0.000370856	0.000370856	3.12579E-06	0.014587467	0.005411581	0.471794099	0.01361189	5.98365E-06	132.5751495	0.000124694	0.00042062	0.000824012	0.007111407
2037 Feb	3161.766357	4.76448822	7.17921114	0.130772203	1448.702637	0.281467587	582.7545776	0.000370919	0.000370919	3.12604E-06	0.014587214	0.005411537	0.471770972	0.013617107	5.98376E-06	132.5731659	0.000124689	0.000420656	0.000824068	0.007111204
2037 Mar	3162.558838	4.765678883	7.180998325	0.130804747	1449.064453	0.281538457	582.8999634	0.000371056	0.000371056	3.12704E-06	0.014591102	0.005413007	0.471888542	0.013623716	5.98547E-06	132.6087036	0.000124721	0.000420792	0.000824326	0.007113057
2037 Apr	3165.049072	4.76942873	7.186644554	0.130907625	1450.204712	0.281760335	583.3585815	0.000371373	0.000371373	3.12962E-06	0.014602724	0.005417333	0.47225976	0.013636265	5.9903E-06	132.7144012	0.00012482	0.00042114	0.000825005	0.007118698
2037 May	2957.22168	4.448844433	6.695230007	0.122355774	1352.746094	0.266663462	546.8425903	0.000400992	0.000400992	3.20976E-06	0.014180087	0.005188796	0.445794344	0.015216426	5.92076E-06	126.1957703	0.000118834	0.000424874	0.000818452	0.006802509
2037 Jun	2498.688232	3.759846926	5.6361866	0.104738437	1133.865723	0.242068514	475.0868835	0.00041063	0.00041063	3.17372E-06	0.013511846	0.004694916	0.404366165	0.016588995	5.68588E-06	111.808815	0.000108718	0.000426605	0.000802647	0.006331348
2037 Jul	2508.178711	3.789742231	5.681699276	0.10563723	1136.317139	0.245750651	479.5018921	0.000409174	0.000409174	3.19076E-06	0.013689763	0.004735454	0.410833329	0.016500197	5.74189E-06	112.6052628	0.000110116	0.000429587	0.000810668	0.00642369
2037 Aug	2525.923584	3.825670719	5.734913826	0.106751129	1142.97998	0.249908045	485.1523132	0.000404365	0.000404365	3.19199E-06	0.013869363	0.004787131	0.41805765	0.016487271	5.7908E-06	113.7197342	0.000111657	0.000434	0.00082178	0.006532887
2037 Sep	2526.987793	3.837159634	5.750829697	0.107155204	1142.078125	0.252447665	487.5197449	0.000399422	0.000399422	3.18426E-06	0.013981508	0.004808683	0.42238763	0.01641231	5.81184E-06	114.1147003	0.000112477	0.000436008	0.000827386	0.00659823
2037 Oct	2502.805908	3.818846464	5.721615791	0.106599502	1129.37207	0.252834916	485.1281128	0.000395823	0.000395823	3.17236E-06	0.014000425	0.00478649	0.422594547	0.016228722	5.7971E-06	113.4569778	0.00011219	0.000433174	0.000823462	0.006596944
2037 Nov	2499.615479	3.817320347	5.719076633	0.10653764	1127.655151	0.252923518	484.8207703	0.000395978	0.000395978	3.17402E-06	0.014007083	0.004784027	0.422626406	0.01621058	5.79775E-06	113.3791809	0.000112149	0.000432753	0.000822793	0.006596548
2037 Dec	2501.181885	3.820265532	5.723625183	0.106610253	1128.354004	0.253051847	485.1105042	0.000395979	0.000395979	3.17466E-06	0.0140112	0.004786352	0.422845721	0.016212767	5.79928E-06	113.4423599	0.000112198	0.000432813	0.000823039	0.006599107
2038 Jan	2501.115723	3.820179939	5.723493099	0.106607452	1128.322998	0.253045529	485.0966797	0.000396013	0.000396013	3.17479E-06	0.014011052	0.00478629	0.422832757	0.016214147	5.79932E-06	113.4406281	0.000112195	0.000432815	0.000823037	0.006598942
2038 Feb	2501.061768	3.820094824	5.723361492	0.106605008	1128.297852	0.253040224	485.0857544	0.000396032	0.000396032	3.17486E-06	0.014010896	0.00478626	0.422823131	0.016215857	5.79933E-06	113.4396439	0.000112193	0.000432825	0.000823052	0.006598843
2038 Mar	2501.125	3.820189953	5.723501682	0.106607623	1128.325928	0.253046721	485.0978088	0.000396058	0.000396058	3.17502E-06	0.014011331	0.004786421	0.422833532	0.016217392	5.79955E-06	113.4433136	0.000112196	0.000432847	0.000823091	0.006599034
2038 Apr	2502.401367	3.822138548	5.726419449	0.106661975	1128.901367	0.253175884	485.3451843	0.000396268	0.000396268	3.17668E-06	0.014018524	0.004788885	0.423049152	0.016226307	5.80255E-06	113.5016556	0.000112253	0.000433074	0.000823521	0.006602415
2038 May	2465.350586	3.762111425	5.634148598	0.105074532	1111.454712	0.250555128	478.9104919	0.00040281	0.00040281	3.19729E-06	0.013959625	0.004751855	0.418431014	0.016574088	5.79883E-06	112.4023743	0.000111264	0.000434823	0.000823878	0.006551598
2038 Jun	2188.346924	3.314737558	4.949110508	0.093369924	980.9354248	0.231822044	432.3699646	0.0004213	0.0004213	3.20815E-06	0.013415474	0.004425987	0.386249244	0.017522685	5.64708E-06	103.2290192	0.000103883	0.000433486	0.000804379	0.00616808
2038 Jul	2196.799316	3.327608585	4.968148232	0.093775205	983.9111328	0.2337161	435.0906372	0.000426455	0.000426455	3.24413E-06	0.013546436	0.004456266	0.389400601	0.017603457	5.70375E-06	103.8429642	0.000104744	0.000436909	0.000810016	0.006219267
2038 Aug	2203.538574	3.337229252	4.981356621	0.094170712	985.1936646	0.236838728	439.0108643	0.000424026	0.000424026	3.25047E-06	0.013696509	0.004494206	0.394737363	0.017594965	5.74841E-06	104.6098251	0.000105911	0.00044086	0.000818593	0.006304728
2038 Sep	2192.956055	3.322858572	4.958353043	0.093850985	978.2312012	0.238503173	440.0325928	0.000417426	0.000417426	3.22946E-06	0.013762989	0.004500105	0.397592396	0.017423943	5.74821E-06	104.6553726	0.000106381	0.00044114	0.000820748	0.006347731
2038 Oct	2176.80957	3.301105022	4.924491882	0.093240097	969.515625	0.238561422	438.7140198	0.000415629	0.000415629	3.22215E-06	0.013769683	0.004486823	0.397429913	0.017296772	5.73927E-06	104.2764816	0.000106197	0.00043947	0.000817934	0.006344419
2038 Nov	2179.60083	3.306464434	4.932731152	0.09336862	970.5944214	0.238921344	439.4268799	0.000415574	0.000415574	3.22374E-06	0.013782401	0.004492485	0.398026764	0.017296046	5.74335E-06	104.4269409	0.000106323	0.000439574	0.000818479	0.006351537
2038 Dec	2180.522217	3.308154583	4.935351372	0.093409121	970.9854126	0.239002302	439.6183167	0.00041558	0.00041558	3.22416E-06	0.013784744	0.004493976	0.398163676	0.01729692	5.74425E-06	104.4685287	0.000106353	0.000439592	0.000818606	0.006353023
2039 Jan	2180.745117	3.308567286	4.935992718	0.093418643	971.0761719	0.239022195	439.6676636	0.000415587	0.000415587	3.22429E-06	0.013785245	0.004494383	0.398197234	0.017298035	5.74448E-06	104.4799652	0.00010636	0.000439601	0.000818648	0.006353376
2039 Feb	2180.845703	3.308744431	4.936268806	0.093422644	971.1141968	0.239031762	439.6925964	0.00041559	0.00041559	3.22436E-06	0.013785452	0.004494611	0.398213953	0.017299414	5.74459E-06	104.4863358	0.000106364	0.000439612	0.000818685	0.006353563

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2039 Mar	2181.149902	3.309218884	4.936983109	0.093435511	971.2462158	0.239064366	439.7563782	0.000415641	0.000415641	3.22477E-06	0.013787153	0.004495251	0.39826864	0.017302169	5.74531E-06	104.5017548	0.000106378	0.000439669	0.0008188	0.006354396
2039 Apr	2182.0979	3.310657024	4.939128399	0.093476072	971.6680908	0.239168286	439.9474792	0.000415827	0.000415827	3.2262E-06	0.01379317	0.004497222	0.398441553	0.017310193	5.74784E-06	104.547554	0.000106424	0.000439864	0.000819163	0.006357165
2039 May	2185.731934	3.315897465	4.946839333	0.093631424	973.2068481	0.239674792	440.7914124	0.000416581	0.000416581	3.23254E-06	0.013823693	0.004506336	0.399293602	0.017350204	5.75996E-06	104.7508774	0.000106652	0.000440904	0.000821081	0.006371382
2039 Jun	2089.300293	3.170542479	4.735230446	0.089367479	921.4483643	0.235023767	430.7634583	0.000426412	0.000426412	3.26543E-06	0.013654362	0.00440049	0.391758025	0.016571235	5.72441E-06	102.0917282	0.000104806	0.000428107	0.000793438	0.006216968
2039 Jul	1938.915161	2.922073126	4.35806942	0.082943171	848.8806763	0.227112249	408.3995361	0.000423653	0.000423653	3.2203E-06	0.01338174	0.004210424	0.378110826	0.015838221	5.62057E-06	96.7239151	0.000101288	0.000417458	0.000767808	0.006045543
2039 Aug	1892.602783	2.846073389	4.243393898	0.080946364	825.2925415	0.225902691	402.9472961	0.000424483	0.000424483	3.21982E-06	0.013291104	0.004167997	0.375328481	0.015632164	5.60796E-06	95.3703537	0.000100203	0.000412808	0.00076069	0.006014138
2039 Sep	1897.015015	2.852451563	4.252691746	0.081121236	825.9337158	0.227540776	405.4787292	0.00042246	0.00042246	3.21899E-06	0.013358511	0.004189392	0.378106683	0.01562087	5.62399E-06	95.88121033	0.000100791	0.000414171	0.00076437	0.006054023
2039 Oct	1894.675659	2.849006653	4.247179508	0.08100877	823.968689	0.228081301	406.1191711	0.000420759	0.000420759	3.2138E-06	0.013377435	0.004193444	0.378972292	0.015584263	5.62334E-06	95.98518372	0.000100932	0.00041403	0.000764779	0.006065223
2039 Nov	1897.990723	2.854572535	4.2557621	0.081147075	825.329834	0.228417844	406.8818359	0.000420762	0.000420762	3.21548E-06	0.013388731	0.004199638	0.379550248	0.01559125	5.62753E-06	96.15214539	0.000101064	0.000414234	0.000765483	0.006072198
2039 Dec	1898.408203	2.8552742	4.256840706	0.081164479	825.501709	0.22846058	406.9770813	0.000420783	0.000420783	3.2158E-06	0.013390304	0.004200434	0.37962234	0.015592488	5.62815E-06	96.17331696	0.000101081	0.000414263	0.000765573	0.006073084
2040 Jan	1898.559082	2.855531693	4.257240772	0.081170492	825.5603638	0.228475511	407.0143738	0.000420781	0.000420781	3.21586E-06	0.013390671	0.004200731	0.379648	0.015593079	5.62829E-06	96.18173981	0.000101086	0.000414269	0.000765604	0.006073359
2040 Feb	1898.676392	2.85572052	4.257534504	0.081174985	825.6046143	0.228488162	407.0453491	0.000420778	0.000420778	3.21591E-06	0.013391006	0.004200991	0.379670113	0.015593863	5.62843E-06	96.18891907	0.000101091	0.000414279	0.000765639	0.006073615
2040 Mar	1898.94104	2.85612607	4.258145809	0.081185989	825.7155151	0.228519112	407.1055908	0.000420819	0.000420819	3.21626E-06	0.013392574	0.004201574	0.379722238	0.015595882	5.62908E-06	96.20302582	0.000101104	0.000414326	0.000765737	0.006074389
2040 Apr	1899.693115	2.857264519	4.259850979	0.081217863	826.0388184	0.228608772	407.2701721	0.000420966	0.000420966	3.21744E-06	0.013397585	0.004203231	0.379871935	0.015601745	5.63117E-06	96.24168396	0.000101144	0.000414479	0.00076603	0.006076723
2040 May	1895.542969	2.850263596	4.24904108	0.08102116	823.9563599	0.228334785	406.600769	0.000423357	0.000423357	3.22797E-06	0.013400042	0.004202842	0.379355758	0.015730146	5.63856E-06	96.1986618	0.000101066	0.000415535	0.000767439	0.006072774
2040 Jun	1749.372681	2.612486124	3.886934996	0.074604817	756.5810547	0.21607703	379.3367615	0.000439128	0.000439128	3.24827E-06	0.013025096	0.00400922	0.358221203	0.016354736	5.54449E-06	90.93384552	9.63789E-05	0.000413605	0.000752266	0.005808422
2040 Jul	1743.445923	2.598634005	3.865872145	0.074279912	752.0203857	0.217296094	380.6031494	0.000437409	0.000437409	3.24787E-06	0.013094793	0.004020384	0.360445201	0.016283549	5.56135E-06	91.11542511	9.69028E-05	0.000415031	0.000755219	0.005844084
2040 Aug	1753.529907	2.611283779	3.885161877	0.074635215	754.6799927	0.21978268	384.8774109	0.000435201	0.000435201	3.25056E-06	0.01319151	0.004056998	0.364743888	0.016284797	5.59032E-06	91.99163818	9.7848E-05	0.000417265	0.000761379	0.005905882
2040 Sep	1758.074829	2.616021395	3.892570496	0.074744605	754.8345337	0.221602678	388.0258789	0.000432041	0.000432041	3.24496E-06	0.013248647	0.004081239	0.367879212	0.016238028	5.60241E-06	92.60887909	9.84714E-05	0.000418201	0.000764774	0.005947345
2040 Oct	1756.422485	2.613001823	3.887757063	0.074645296	753.5305786	0.22187756	388.3423462	0.000432113	0.000432113	3.24667E-06	0.013262892	0.004083805	0.368251532	0.016228771	5.60571E-06	92.6703186	9.85367E-05	0.000418151	0.000764807	0.005952331
2040 Nov	1758.667114	2.616551638	3.893215895	0.074731648	754.357666	0.222165614	388.9694519	0.000432131	0.000432131	3.24819E-06	0.013273097	0.004088917	0.368738115	0.016233746	5.60935E-06	92.80708313	9.86466E-05	0.000418315	0.000765373	0.005958281
2040 Dec	1759.131958	2.617302179	3.894377232	0.074749894	754.5374756	0.222216606	389.0889893	0.000432126	0.000432126	3.24841E-06	0.013274655	0.004089863	0.368825585	0.016234525	5.60993E-06	92.83310699	9.86662E-05	0.000418337	0.000765469	0.005959288
2041 Jan	1759.330078	2.617615223	3.89486289	0.07475736	754.6109619	0.222239032	389.1430664	0.000432122	0.000432122	3.2485E-06	0.01327528	0.004090296	0.368864298	0.016235197	5.61016E-06	92.84513092	9.86748E-05	0.000418348	0.000765516	0.005959726
2041 Feb	1759.407959	2.617732286	3.895044088	0.074760169	754.638855	0.222248435	389.1655273	0.000432124	0.000432124	3.24856E-06	0.013275569	0.004090493	0.3688806	0.016235955	5.61028E-06	92.85047913	9.86785E-05	0.000418357	0.000765545	0.005959926
2041 Mar	1759.591797	2.618006945	3.895457268	0.074767619	754.7136841	0.222271323	389.2098999	0.000432155	0.000432155	3.24883E-06	0.013276733	0.004090927	0.368919134	0.016237557	5.61077E-06	92.86096191	9.86884E-05	0.000418393	0.00076562	0.005960499
2041 Apr	1760.085693	2.618742943	3.896557808	0.074788272	754.9217529	0.222333401	389.3228149	0.000432261	0.000432261	3.24966E-06	0.013280235	0.004092077	0.369022757	0.016241867	5.61224E-06	92.88768005	9.87156E-05	0.000418502	0.000765827	0.005962123
2041 May	1772.102295	2.636588573	3.924209595	0.075228117	759.2213745	0.223876327	392.8511658	0.000431725	0.000431725	3.25482E-06	0.013328951	0.004120627	0.371721327	0.016277403	5.62933E-06	93.66028595	9.93282E-05	0.000419507	0.000769345	0.005994746
2041 Jun	1694.458862	2.509945393	3.734715462	0.07173159	722.2998657	0.21761027	379.6503296	0.000441891	0.000441891	3.27542E-06	0.013143209	0.004004982	0.360986799	0.015916649	5.58471E-06	90.64004517	9.69767E-05	0.000412016	0.000747983	0.005835703
2041 Jul	1613.16626	2.373045444	3.527367353	0.06813211	683.8414307	0.212402344	366.3491516	0.000440207	0.000440207	3.24477E-06	0.012985107	0.003890078	0.35223031	0.015502044	5.51695E-06	87.48373413	9.49202E-05	0.000406663	0.000732669	0.005725131
2041 Aug	1623.658936	2.386161566	3.547221184	0.068495519	687.0519409	0.214586273	370.2032471	0.000440312	0.000440312	3.25679E-06	0.013080993	0.003925206	0.355941504	0.015554095	5.5514E-06	88.31784058	9.57807E-05	0.000409167	0.000738584	0.005779725
2041 Sep	1632.133545	2.396042824	3.562473536	0.068738692	688.946167	0.216635421	374.1109924	0.000437615	0.000437615	3.25442E-06	0.013150288	0.003956439	0.35950765	0.015545772	5.56865E-06	89.12467957	9.65475E-05	0.000410578	0.000743132	0.005827162
2041 Oct	1633.168701	2.395867348	3.562220812	0.068701789	688.2024536	0.21748507	375.7037964	0.000435992	0.000435992	3.25086E-06	0.013176118	0.003968056	0.360931665	0.015523153	5.57196E-06	89.44248199	9.68283E-05	0.000410674	0.000744347	0.005844744
2041 Nov	1635.768066	2.399717331	3.568144321	0.068794474	689.0983887	0.217847213	376.5036316	0.000436015	0.000436015	3.25275E-06	0.013188683	0.003974569	0.361543775	0.015530119	5.5765E-06	89.61752319	9.69665E-05	0.000410879	0.000745066	0.005852185
2041 Dec	1636.481689	2.400800943	3.569822073	0.068820983	689.3606567	0.217933312	376.7048035	0.000435993	0.000435993	3.25307E-06	0.0131913	0.003976163	0.361692667	0.015531443	5.57743E-06	89.66123199	9.7E-05	0.00041092	0.000745236	0.005853923
2042 Jan	1636.647583	2.401050329	3.570207596	0.068826981	689.4199829	0.217953682	376.7529907	0.000435994	0.000435994	3.25318E-06	0.013191923	0.003976558	0.361727625	0.015532209	5.57768E-06	89.67206573	9.70078E-05	0.000410933	0.000745282	0.005854333
2042 Feb	1636.694092	2.401114941	3.57030797	0.068828441	689.4346313	0.217959836	376.7684326	0.000435995	0.000435995	3.25321E-06	0.013192086	0.003976695	0.361738354	0.015532844	5.57775E-06	89.67583466	9.70103E-05	0.000410939	0.000745303	0.005854459
2042 Mar	1636.831421	2.401313066	3.570607424	0.068833724	689.4874268	0.217978075	376.8051758	0.000436014	0.000436014	3.2534E-06	0.013192942	0.003977042	0.361769289	0.015533999	5.5781E-06	89.6844101	9.7018E-05	0.000410965	0.000745359	0.005854902
2042 Apr	1638.011475	2.403029919	3.573188066	0.068881176	689.9614868	0.218135014	377.1009827	0.000436231	0.000436231	3.25526E-06	0.013201207	0.003979919	0.362033278	0.015543028	5.58151E-06	89.75288391	9.70858E-05	0.000411207	0.000745844	0.005858867
2042 May	1640.658081	2.406438112	3.578259468	0.068973131	690.852417	0.218591988	377.9349976	0.000437324	0.000437324	3.26301E-06	0.013228014	0.003989342	0.362796724	0.015602888	5.59368E-06	89.97161865	9.7291E-05	0.000412241	0.000747813	0.005871115
2042 Jun	1579.837036	2.307703972	3.429373503	0.066303067	663.1124878	0.213394001	366.3636475	0.00044315	0.00044315	3.26717E-06	0.013078199	0.003892751	0.353881359	0.015400188	5.55053E-06	87.38766479	9.53301E-05	0.000407715	0.00073329	0.005750558
2042 Jul	1538.140503	2.235646486	3.320955992	0.064363241	642.5131836	0.211127028	360.4199524	0.000443324	0.000443324	3.25835E-06	0.013004882	0.003841399	0.349987984	0.015191422	5.52428E-06	85.95738983	9.43807E-05	0.000404753	0.000725729	0.005700361
2042 Aug	1521.041016	2.200596094	3.268512726	0.063373327	631.5588379	0.211908534	360.939209	0.000438836	0.000438836	3.24073E-06	0.012989274	0.003842183	0.351136029	0.015061229	5.51381E-06	85.95847321	9.43576E-05	0.000404357	0.000725048	0.005714108
2042 Sep	1512.701538	2.183158398	3.242194414	0.062862352	625.8972778	0.212463975	361.5220337	0.000437159	0.000437159	3.23529E-06	0.012991726	0.003845357	0.351916373	0.015007551	5.51206E-06	86.04460907	9.43907E-05	0.000403165	0.000724751	0.005722851
2042 Oct	1509.315552	2.175531864	3.230480194	0.062624738	623.2248535	0.212887362	362.1874695	0.000435621	0.000435621	3.2299E-06	0.013002642	0.003849301	0.352577686	0.014978288	5.50968E-06	86.16340637	9.44931E-05	0.000402886	0.000724903	0.005730683
2042 Nov	1511.965454	2.17927289	3.236252069	0.062716797	624.1320801	0.213254124	363.0176697	0.000435577	0.000435577	3.2315E-06	0.013014833	0.003856019	0.353209138	0.014985377	5.51406E-06	86.34461212	9.46369E-05	0.000403108	0.000725677	0.005738343
2042 Dec	1512.432983	2.179940939	3.237286568	0.062733069	624.293335	0.213315815	363.1623535	0.00043556	0.00043556	3.23172E-06	0.013016694	0.003857164	0.353315949	0.014986336	5.51472E-06	86.37605286	9.46609E-05	0.000403138	0.0007258	0.005739588
2043 Jan	1512.61792	2.180201769	3.237692356	0.062739275	624.3549194	0.213340297	363.2218933	0.000435548	0.000435548	3.23178E-06	0.013017348	0.003857631	0.353358626	0.014986856	5.51495E-06	86.38910675	9.46703E-05	0.000403148	0.00072585	0.005740069
2043 Feb	1512.636963	2.180225849	3.237729549	0.062739797	624.3602905	0.213343084	363.2289429	0.00043555	0.00043555	3.23181E-06	0.013017425	0.003857698	0.353363425	0.014987293	5.51499E-06	86.39094543	9.46714E-05	0.000403152	0.000725862	0.005740129
2043 Mar	1512.667236	2.180269003	3.237792969	0.062741019	624.3725586	0.213347331	363.236145	0.000435562	0.000435562	3.23189E-06	0.013017698	0.003857784	0.353370398	0.014987838	5.51512E-06	86.39285278	9.46734E-05	0.000403162	0.00072588	0.005740247
2043 Apr	1513.411133	2.181340933	3.23938489	0.062771864	624.6795044	0.213452265	363.414856	0.000435778	0.000435778	3.23349E-06	0.013024106	0.003859686	0.353544146	0.014995346	5.51784E-06	86.43546295	9.47199E-05	0.000403362	0.000726239	0.005743072
2043 May	1513.671143	2.181166172	3.238955736	0.062768362	624.6283569	0.213618606	363.6166687	0.000437224	0.000437224	3.24151E-06	0.013041873	0.003864574	0.353797764	0.01506816	5.52769E-06	86.53115845	9.48125E-05	0.000404339	0.000727814	0.005749138
2043 Jun	1452.918579	2.083564758	3.090891361	0.060068645	597.1900635	0.207806543	351.2884827	0.000445116	0.000445116	3.25237E-06	0.012858187	0.003778354	0.343779922	0.01542824	5.48312E-06	84.21756744	9.262E-05	0.000403719	0.000721433	0.005623155
2043 Jul	1449.635986	2.073750973	3.076191902	0.059812188	594.2360229	0.208705783	352.3937378	0.000445752	0.000445752	3.26073E-06	0.012909488	0.003789871	0.34529233	0.015423589	5.50261E-06	84.42874908	9.29828E-05	0.00040486	0.00072378	0.005648309
2043 Aug	1452.728271	2.073723793	3.076176882	0.059811082	593.9031982	0.210308924	355.0385132	0.00044527	0.00044527	3.26684E-06	0.012976287	0.003813767	0.347988576	0.015443399	5.52559E-06	84.9879303	9.35747E-05	0.000406604	0.000727853	0.005688286
2043 Sep	1454.929443	2.071959496	3.073867798	0.059730846	592.7796021	0.211807653	357.9280701	0.000442763	0.000442763	3.26234E-06	0.013017643	0.003835747	0.350569069	0.01541599	5.53462E-06	85.57215881	9.40887E-05	0.000407254	0.000730606	0.005721019
2043 Oct	1454.051514	2.067987919	3.067810297	0.059568375	591.005127	0.212416321	359.2781677	0.000442536	0.000442536	3.26385E-06	0.013033503	0.003845197	0.351473421	0.015402921	5.53796E-06	85.85778809	9.425E-05	0.000406814	0.000730613	0.005729362
2043 Nov	1449.092407	2.059757948	3.055064678	0.059310734	588.3728027	0.212144449	358.7054443	0.000443534	0.000443534	3.26686E-06	0.013023856	0.003839995	0.350827783	0.015394111	5.53539E-06	85.74233246	9.40749E-05	0.000405998	0.000728858	0.005718825
2043 Dec	1449.171997	2.059863806	3.055223942	0.059313063	588.3960571	0.212157503	358.7342529	0.000443564	0.000443564	3.26707E-06	0.013024439	0.003840251	0.35084787	0.015394797	5.53566E-06	85.74907684	9.40796E-05	0.000406006	0.00072888	0.005719068
2044 Jan	1449.190552	2.059885025	3.055255175	0.059313431	588.4000244	0.212160319	358.7418823	0.000443576	0.000443576	3.26714E-06	0.013024575	0.003840331	0.350852609	0.015395426	5.53574E-06	85.7512207	9.40808E-05	0.000406012	0.000728892	0.005719128
2044 Feb	1449.249634	2.059965134	3.055373669	0.059315633	588.4221191	0.212168708	358.757843	0.000443598	0.000443598	3.26729E-06	0.013025089	0.003840516	0.350867003	0.015396663	5.53598E-06	85.75547791	9.40847E-05	0.000406032	0.000728931	0.005719363
2044 Mar	1449.366089	2.060130119	3.055617571	0.059320372	588.4692383	0.212185755	358.7865601	0.000443639	0.000443639	3.26758E-06	0.013026161	0.003840837	0.350895017	0.015398297	5.53645E-06	85.76264191	9.40923E-05	0.000406068	0.000728996	0.00571983
2044 Apr	1449.668213	2.060559273	3.056253672	0.059332725	588.5918579	0.212229982	358.8612671	0.000443735	0.000443735	3.26828E-06	0.013028892	0.003841646	0.350968093	0.015401728	5.53762E-06	85.78067017	9.41119E-05	0.000406155	0.000729151	0.005721027
2044 May	1451.599854	2.063209057	3.060167551	0.059409257	589.3479004	0.212531552	359.3665771	0.000444426	0.000444426	3.27324E-06	0.013048042	0.003847273	0.351470202	0.01542867	5.54586E-06	85.90522766	9.42481E-05	0.000406791	0.000730286	0.005729376
2044 Jun	1288.313843	1.819108009	2.696388721	0.052544933	520.4302979	0.19295615	321.2617188	0.000490768	0.000490768	3.39912E-06	0.01206712	0.003478531	0.315947175	0.014646193	5.4481E-06	77.44368744	8.54302E-05	0.000378541	0.000665287	0.005228627
2044 Jul	1036.349121	1.453831911	2.154183865	0.042191278	417.1661072	0.160531148	259.0657043	0.000590809	0.000590809	3.71665E-06	0.010248746	0.002845791	0.255327165	0.013160637	5.37085E-06	63.53884125	6.98941E-05	0.000325071	0.00054809	0.004373874
2044 Aug	825.5115356	1.150671959	1.704488873	0.033574797	331.5099792	0.132779941	206.1244659	0.000680585	0.000680585	4.00771E-06	0.008705411	0.002303799	0.203312621	0.011976094	5.31918E-06	51.77085876	5.646E-05	0.000269866	0.000451051	0.00362533
2044 Sep	688.2314453	0.951009154	1.408044457	0.027892696	275.0268555	0.114974625	172.39711	0.000732305	0.000732305	4.16613E-06	0.007733417	0.001955103	0.170363411	0.011223044	5.25979E-06	44.27555084	4.78598E-05	0.000226026	0.000392006	0.003140148
2044 Oct	636.8602295	0.876176596	1.29692924	0.025752427	253.7753906	0.108257867	159.8389893	0.000752234	0.000752234	4.22796E-06	0.007360674	0.001823591	0.157933429	0.010942413	5.23861E-06	41.49316788	4.46234E-05	0.000209226	0.000369404	0.002959637
2044 Nov	637.5452271	0.876920462	1.298023462	0.025769735	253.9423065	0.108375281	160.1167908	0.000752106	0.000752106	4.22799E-06	0.007367019	0.001826129	0.158163294	0.010946995	5.23979E-06	41.55540848	4.46783E-05	0.000209369	0.000369716	0.002962606
2044 Dec	637.7122803	0.877126753	1.298340559	0.025774874	253.9933319	0.108397111	160.1738892	0.000752098	0.000752098	4.22808E-06	0.007367903	0.001826601	0.158207148	0.010947562	5.24007E-06	41.56791306	4.46884E-05	0.000209387	0.000369773	0.002963142
2045 Jan	637.7426147	0.877161622	1.298393846	0.025775705	254.0016479	0.10840074	160.184845	0.000752093	0.000752093	4.22808E-06	0.007368058	0.001826694	0.158215284	0.010947776	5.2401E-06	41.57040405	4.46903E-05	0.000209391	0.000369784	0.002963239
2045 Feb	637.7463989	0.877165258	1.298399091	0.025775777	254.0024567	0.108401082	160.1862793	0.000752094	0.000752094	4.22808E-06	0.00736808	0.001826712	0.158216268	0.010947971	5.24011E-06	41.57085419	4.46905E-05	0.000209393	0.000369789	0.002963253
2045 Mar	637.7734375	0.877202392	1.298453927	0.025776865	254.0132141	0.108405679	160.1930389	0.000752127	0.000752127	4.22827E-06	0.0073684	0.001826793	0.158222944	0.010948547	5.24034E-06	41.57269287	4.46924E-05	0.000209403	0.000369806	0.002963381
2045 Apr	637.8727417	0.877338886	1.298655748	0.025780872	254.0527344	0.108422555	160.2179565	0.000752245	0.000752245	4.22893E-06	0.00736955	0.00182708	0.158247545	0.010950316	5.24116E-06	41.57920837	4.46994E-05	0.000209436	0.000369865	0.002963843
2045 May	638.5180664	0.878226459	1.299969554	0.025806954	254.3097382	0.10853225	160.3800507	0.000753006	0.000753006	4.23321E-06	0.0073777009	0.00182893	0.158407643	0.010961423	5.24646E-06	41.62129593	4.47446E-05	0.000209648	0.000370239	0.002966842
2045 Jun	625.973938	0.853604317	1.264242053	0.025063695	246.7765198	0.106954016	159.3462219	0.000756748	0.000756748	4.24643E-06	0.007298539	0.001811738	0.156657085	0.010831264	5.24216E-06	41.33302689	4.42825E-05	0.00020791	0.000363743	0.002933193
2045 Jul	568.4630737	0.769864321	1.140018106	0.022689611	223.0713348	0.099541217	145.238678	0.000779698	0.000779698	4.31977E-06	0.006883408	0.001669597	0.142874405	0.010480965	5.22593E-06	38.16998672	4.07903E-05	0.000198708	0.000335998	0.00274182
2045 Aug	506.1382141	0.681153595	1.008370042	0.020175565	198.1008606	0.091289751	129.2677002	0.000806732	0.000806732	4.40765E-06	0.006422356	0.001507165	0.127274603	0.010133858	5.21191E-06	34.62290955	3.67609E-05	0.000182781	0.000307153	0.00251845
2045 Sep	457.7189636	0.611746609	0.905319452	0.018204603	178.5762787	0.084847882	116.9558334	0.000825834	0.000825834	4.46659E-06	0.006074773	0.001380073	0.115286514	0.009881834	5.19192E-06	31.90173531	3.36331E-05	0.000165467	0.00028662	0.002341143
2045 Oct	437.5984802	0.582845867	0.862481177	0.017380053	170.4246826	0.08210925	111.8356171	0.000834532	0.000834532	4.49454E-06	0.005922168	0.001326084	0.110199094	0.009777428	5.18587E-06	30.77548218	3.23079E-05	0.000157957	0.000277734	0.002267567
2045 Nov	437.9823608	0.583288372	0.863158047	0.01739149	170.5379944	0.082158014	111.9660187	0.000834605	0.000834605	4.4952E-06	0.005924651	0.001327203	0.110302806	0.009779646	5.18704E-06	30.80467415	3.23326E-05	0.000158013	0.000277884	0.002268949
2045 Dec	438.1414185	0.583468616	0.863434851	0.017396059	170.5833282	0.082177207	112.0214996	0.000834606	0.000834606	4.49533E-06	0.005925564	0.001327666	0.110346086	0.009780292	5.18737E-06	30.81687546	3.23427E-05	0.000158033	0.000277942	0.002269494
2046 Jan	438.1676636	0.583498299	0.863480151	0.017396802	170.5907288	0.082180358	112.0306854	0.000834607	0.000834607	4.49536E-06	0.005925719	0.001327745	0.110353217	0.009780458	5.18743E-06	30.81894112	3.23444E-05	0.000158037	0.000277952	0.002269584

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2046 Feb	438.1703796	0.583501816	0.863485217	0.017396905	170.5917511	0.08218085	112.0313492	0.000834613	0.000834613	4.49539E-06	0.00592576	0.001327756	0.110353865	0.009780599	5.18746E-06	30.81918716	3.23446E-05	0.000158039	0.000277955	0.0022696
2046 Mar	438.2021179	0.583544075	0.863547623	0.017398162	170.6040955	0.082186803	112.039444	0.000834674	0.000834674	4.49572E-06	0.005926192	0.001327853	0.110361844	0.009781351	5.18784E-06	30.82144928	3.2347E-05	0.000158051	0.000277976	0.002269765
2046 Apr	438.3603516	0.583747685	0.863850355	0.017404128	170.662674	0.082214646	112.0823669	0.000834931	0.000834931	4.49712E-06	0.005928153	0.001328333	0.110402398	0.009784479	5.18949E-06	30.83280563	3.23585E-05	0.000158102	0.000278071	0.002270547
2046 May	439.0082703	0.584509134	0.864983141	0.017425755	170.8754425	0.082321241	112.2800217	0.000835701	0.000835701	4.5015E-06	0.005935687	0.00133049	0.110582642	0.009797623	5.19491E-06	30.88412094	3.2408E-05	0.000158324	0.000278491	0.002273726
2046 Jun	430.4083557	0.569470167	0.842719734	0.016990611	166.481842	0.08122468	110.8716507	0.000835296	0.000835296	4.4953E-06	0.0059001	0.001317895	0.109178305	0.009745901	5.17881E-06	30.55827141	3.21107E-05	0.000158364	0.000275026	0.002250798
2046 Jul	402.0852661	0.528473318	0.781731188	0.015836742	154.9343567	0.077669203	103.8679733	0.000842674	0.000842674	4.51265E-06	0.005705944	0.001249876	0.102592334	0.009561103	5.15522E-06	28.97193336	3.04736E-05	0.000155436	0.000261595	0.002160381
2046 Aug	372.9981689	0.48725301	0.720582068	0.014668115	143.339447	0.073782921	96.33753967	0.000856738	0.000856738	4.56048E-06	0.005486947	0.001173193	0.095189534	0.009403152	5.15444E-06	27.30468941	2.85538E-05	0.000148011	0.000247887	0.002054762
2046 Sep	349.697998	0.453166515	0.669983923	0.013693233	133.7007751	0.070621163	90.58875275	0.000865299	0.000865299	4.58582E-06	0.005316862	0.001112393	0.08949662	0.009278226	5.14142E-06	26.0317173	2.70365E-05	0.000138458	0.000238195	0.001967921
2046 Oct	340.1843567	0.438768387	0.648583829	0.01327521	129.5756683	0.069288962	88.37133789	0.000868773	0.000868773	4.59611E-06	0.005244175	0.001087821	0.087199628	0.009226653	5.13561E-06	25.54305458	2.64208E-05	0.000134263	0.000234078	0.001933381
2046 Nov	341.3096924	0.439875633	0.650267184	0.013302517	129.8459167	0.069415279	88.79792786	0.00086853	0.00086853	4.59588E-06	0.005251309	0.00109142	0.087537773	0.009230651	5.137E-06	25.6360836	2.64993E-05	0.000134423	0.000234521	0.00193754
2046 Dec	341.4906616	0.440060675	0.650551558	0.013307177	129.8921814	0.069434658	88.86384583	0.000868519	0.000868519	4.59597E-06	0.005252342	0.001091965	0.087588973	0.009231305	5.13733E-06	25.65049553	2.65112E-05	0.000134445	0.000234588	0.001938174
2047 Jan	341.5150146	0.440085381	0.650589228	0.01330779	129.8983002	0.069437228	88.87274933	0.000868518	0.000868518	4.59598E-06	0.005252486	0.001092041	0.087595858	0.00923146	5.13737E-06	25.65249634	2.65128E-05	0.000134449	0.000234598	0.00193826
2047 Feb	341.5171814	0.440088093	0.650593102	0.013307869	129.8990936	0.06943766	88.87329102	0.000868524	0.000868524	4.59602E-06	0.005252524	0.001092051	0.087596372	0.009231609	5.13741E-06	25.65272141	2.6513E-05	0.000134451	0.000234601	0.001938274
2047 Mar	341.5522766	0.440133303	0.6506598	0.013309233	129.9124298	0.06944479	88.88240051	0.000868614	0.000868614	4.59649E-06	0.005253066	0.001092165	0.08760535	0.009232609	5.13794E-06	25.65539169	2.65157E-05	0.000134465	0.000234626	0.001938474
2047 Apr	341.5964661	0.440190196	0.650743842	0.013310951	129.9292297	0.069453768	88.89389038	0.000868726	0.000868726	4.59709E-06	0.005253747	0.001092307	0.087616675	0.00923383	5.13861E-06	25.65872955	2.65191E-05	0.000134482	0.000234657	0.001938725
2047 May	342.4159241	0.440838069	0.651691079	0.013326594	130.088913	0.069549792	89.21817017	0.000868886	0.000868886	4.59868E-06	0.00526259	0.001096067	0.087888367	0.009260569	5.1416E-06	25.74697113	2.6593E-05	0.000134886	0.000235422	0.001942754
2047 Jun	338.2730103	0.43294391	0.639741063	0.013093016	127.7786789	0.068999238	88.64355469	0.00086767	0.00086767	4.59099E-06	0.00524704	0.001094634	0.08732263	0.009336861	5.13007E-06	25.68574905	2.64871E-05	0.00013627	0.000235705	0.001935396
2047 Jul	324.2324219	0.413242221	0.610530615	0.012537636	122.242012	0.067155667	84.95026398	0.000876082	0.000876082	4.62211E-06	0.005137238	0.001057693	0.083679393	0.009252911	5.13769E-06	24.86478424	2.55703E-05	0.000135087	0.00022808	0.001888185
2047 Aug	306.8385315	0.388901293	0.574436069	0.011849829	115.4194794	0.064824656	80.34658813	0.000885415	0.000885415	4.65504E-06	0.00500587	0.001010867	0.079163119	0.009155649	5.14107E-06	23.84474182	2.44027E-05	0.000130671	0.00021967	0.001824202
2047 Sep	292.3156738	0.367814302	0.543158352	0.011247458	109.4774628	0.062794559	76.68247986	0.00089092	0.00089092	4.67135E-06	0.004897972	0.000971803	0.075523779	0.009073123	5.13276E-06	23.03145599	2.34304E-05	0.000124103	0.000213533	0.001768007
2047 Oct	286.7415161	0.359081954	0.530213058	0.010991951	106.9653931	0.061937716	75.42784882	0.000892815	0.000892815	4.67657E-06	0.00485183	0.000957029	0.0741577	0.00903685	5.12797E-06	22.75170708	2.30563E-05	0.000121168	0.000210985	0.001746612
2047 Nov	287.4396667	0.359692574	0.531128705	0.011006544	107.1105042	0.062006824	75.70391846	0.000892601	0.000892601	4.67613E-06	0.004856622	0.0009594	0.074375443	0.009039612	5.12856E-06	22.81217194	2.31071E-05	0.000121275	0.000211264	0.001749241
2047 Dec	287.5666199	0.35981074	0.531309903	0.011009533	107.1401672	0.062019389	75.75141144	0.000892601	0.000892601	4.67624E-06	0.004857404	0.000959796	0.07441251	0.009040164	5.12884E-06	22.82261658	2.31158E-05	0.000121292	0.000211314	0.001749708
2048 Jan	287.6069031	0.35984838	0.531367421	0.011010488	107.1496506	0.062023435	75.76638794	0.000892604	0.000892604	4.67628E-06	0.004857662	0.000959924	0.074424215	0.009040412	5.12894E-06	22.82596588	2.31185E-05	0.000121298	0.000211331	0.001749858
2048 Feb	287.6122742	0.359855056	0.531377196	0.01101069	107.1516418	0.062024593	75.76777649	0.000892621	0.000892621	4.67637E-06	0.004857758	0.000959944	0.074425578	0.009040659	5.12904E-06	22.82644844	2.3119E-05	0.000121301	0.000211336	0.001749892
2048 Mar	287.6131897	0.359856188	0.531378746	0.011010721	107.1519699	0.06202478	75.76799774	0.000892624	0.000892624	4.67639E-06	0.004857775	0.000959949	0.074425794	0.009040729	5.12906E-06	22.82654762	2.3119E-05	0.000121302	0.000211337	0.001749899
2048 Apr	287.6803284	0.359937757	0.531499028	0.011013195	107.1761017	0.062038802	75.78634644	0.000892818	0.000892818	4.67741E-06	0.004858875	0.000960179	0.074443579	0.009042857	5.13019E-06	22.83202362	2.31245E-05	0.00012133	0.000211388	0.001750303
2048 May	287.956543	0.360281408	0.532006502	0.011023692	107.2782898	0.062097903	75.8596344	0.000893663	0.000893663	4.68184E-06	0.004863505	0.000961104	0.074515313	0.009051505	5.13505E-06	22.85402679	2.31467E-05	0.000121446	0.000211591	0.001751978
2048 Jun	283.1435852	0.353426903	0.521805704	0.010828939	105.3283768	0.061427411	74.64516449	0.000892634	0.000892634	4.6734E-06	0.004838303	0.000950821	0.073407456	0.009012396	5.11982E-06	22.57369041	2.29122E-05	0.000121424	0.000209148	0.001734804
2048 Jul	272.3711243	0.338445008	0.499563187	0.010405803	101.1054001	0.059975915	71.80163574	0.00089574	0.00089574	4.68077E-06	0.004759537	0.000923839	0.070674472	0.008936252	5.10996E-06	21.93085098	2.22518E-05	0.000120951	0.000203264	0.00169741
2048 Aug	261.5222168	0.322873354	0.476506233	0.009963407	96.7219162	0.058461133	69.00122833	0.000901949	0.000901949	4.70317E-06	0.004674349	0.0008949	0.0678498	0.00887455	5.11334E-06	21.31045341	2.15095E-05	0.000118106	0.000197844	0.001656744
2048 Sep	251.9951477	0.308968812	0.455903292	0.009565265	92.80671692	0.057060599	66.57772827	0.000905996	0.000905996	4.71578E-06	0.00460074	0.000868598	0.065391518	0.008821997	5.10896E-06	20.77539825	2.08471E-05	0.000113276	0.000193777	0.001618182
2048 Oct	248.9156952	0.304047287	0.448595017	0.009420572	91.38973999	0.056547899	65.88945007	0.00090689	0.00090689	4.71782E-06	0.004573795	0.000860269	0.064619035	0.008801307	5.10521E-06	20.62213516	2.0633E-05	0.000111464	0.000192337	0.001605779
2048 Nov	249.3414459	0.304388434	0.449092031	0.009428381	91.46831512	0.056584273	66.06008911	0.00090681	0.00090681	4.71779E-06	0.004577185	0.000861802	0.064750686	0.00880412	5.10577E-06	20.6605854	2.06644E-05	0.000111537	0.000192506	0.001607372
2048 Dec	249.3731232	0.304416716	0.449134707	0.00942912	91.47561646	0.056587752	66.07177734	0.000906827	0.000906827	4.7179E-06	0.004577456	0.000861907	0.064760052	0.00880443	5.10593E-06	20.66329384	2.06667E-05	0.000111544	0.000192521	0.001607505
2049 Jan	249.3745117	0.304418236	0.449136615	0.009429158	91.47601318	0.05658802	66.07218933	0.000906831	0.000906831	4.71793E-06	0.004577486	0.000861915	0.064760409	0.00880453	5.10595E-06	20.66345787	2.06669E-05	0.000111545	0.000192522	0.001607514
2049 Feb	249.3753052	0.30441913	0.449137807	0.009429184	91.47628784	0.056588188	66.07236481	0.000906834	0.000906834	4.71794E-06	0.004577504	0.00086192	0.064760588	0.008804627	5.10597E-06	20.6635685	2.06669E-05	0.000111546	0.000192524	0.00160752
2049 Mar	249.3861237	0.304432333	0.449157208	0.00942959	91.4802475	0.056590635	66.0752182	0.000906874	0.000906874	4.71815E-06	0.004577704	0.000861958	0.064763382	0.008805046	5.10619E-06	20.66449165	2.06678E-05	0.000111551	0.000192533	0.00160759
2049 Apr	249.4424744	0.304501086	0.449258596	0.009431719	91.50091553	0.056603417	66.0901413	0.000907079	0.000907079	4.71922E-06	0.004578739	0.000862154	0.064778	0.008807057	5.10735E-06	20.6691761	2.06725E-05	0.000111576	0.000192577	0.001607954
2049 May	249.6920319	0.304792762	0.449687302	0.009440627	91.58776855	0.056656938	66.15905762	0.000907921	0.000907921	4.72361E-06	0.004583224	0.000863066	0.06484405	0.008816423	5.11213E-06	20.69086075	2.06935E-05	0.000111695	0.000192782	0.001609535
2049 Jun	248.6240845	0.303125441	0.447199821	0.009389821	91.08332825	0.056409832	65.91740417	0.000905529	0.000905529	4.71093E-06	0.004584132	0.000862365	0.064616635	0.00880741	5.0978E-06	20.63518333	2.06787E-05	0.000111845	0.000192234	0.00160348
2049 Jul	248.9401855	0.302970916	0.446997046	0.009382828	91.01053619	0.056386769	66.1237793	0.000904825	0.000904825	4.70783E-06	0.004591863	0.00086497	0.064772367	0.00880924	5.09525E-06	20.6807766	2.07339E-05	0.000112057	0.00019234	0.001604356
2049 Aug	250.3530121	0.304353058	0.449060827	0.009422809	91.40076447	0.056614429	66.59202576	0.000907562	0.000907562	4.72269E-06	0.004610592	0.000869983	0.065180488	0.008840162	5.11228E-06	20.8032341	2.08454E-05	0.00011251	0.000193208	0.001611892
2049 Sep	251.7872772	0.305269182	0.450404823	0.009443399	91.60534668	0.056714695	67.20837402	0.000906927	0.000906927	4.72086E-06	0.004620865	0.000875391	0.0656543	0.008846567	5.11263E-06	20.93909645	2.09543E-05	0.000112755	0.000193786	0.001617378
2049 Oct	252.9104614	0.305835724	0.451182872	0.009455624	91.71424103	0.056769952	67.7390213	0.000906019	0.000906019	4.71732E-06	0.004628607	0.000879916	0.066030599	0.00884941	5.11087E-06	21.05430794	2.10444E-05	0.000112934	0.000194218	0.001621538
2049 Nov	253.7941589	0.306455672	0.452120543	0.009471007	91.86473083	0.056834657	68.10305023	0.000905865	0.000905865	4.71733E-06	0.004634328	0.000882954	0.066308253	0.008852895	5.11219E-06	21.13394547	2.11095E-05	0.00011306	0.000194578	0.001624933
2049 Dec	253.8988342	0.306535274	0.452242404	0.009473029	91.88478088	0.056843262	68.14431763	0.000905871	0.000905871	4.71745E-06	0.004635028	0.0008833	0.066340543	0.00885342	5.11246E-06	21.14305687	2.1117E-05	0.000113075	0.000194622	0.001625345
2050 Jan	253.9067535	0.30654192	0.452252269	0.009473202	91.88652039	0.05684413	68.14723969	0.000905877	0.000905877	4.71749E-06	0.004635105	0.000883328	0.066342905	0.00885356	5.11251E-06	21.14378357	2.11177E-05	0.000113077	0.000194627	0.00162538
2050 Feb	253.9074707	0.306542754	0.452253342	0.009473225	91.88676453	0.056844283	68.14740753	0.00090588	0.00090588	4.71751E-06	0.004635122	0.000883333	0.066343062	0.008853649	5.11253E-06	21.14388466	2.11177E-05	0.000113078	0.000194628	0.001625386
2050 Mar	253.9095612	0.306545258	0.452257007	0.009473301	91.88751984	0.056844749	68.14795685	0.000905888	0.000905888	4.71755E-06	0.004635162	0.000883342	0.066343591	0.008853756	5.11257E-06	21.14408302	2.11179E-05	0.000113079	0.00019463	0.0016254
2050 Apr	253.9520264	0.306596518	0.452332556	0.009474885	91.90288544	0.056854248	68.15934753	0.000906039	0.000906039	4.71834E-06	0.004635938	0.00088349	0.066354685	0.008855257	5.11343E-06	21.1476326	2.11214E-05	0.000113098	0.000194663	0.001625672
2050 May	254.1601715	0.306839406	0.452689707	0.009482316	91.97525787	0.056898803	68.21679688	0.000906747	0.000906747	4.72203E-06	0.00463969	0.000884247	0.066409625	0.008862955	5.11744E-06	21.16563606	2.11389E-05	0.000113196	0.000194831	0.001626988
2050 Jun	252.9723969	0.304917216	0.449689239	0.009430847	91.42469025	0.056667101	67.97962952	0.000905325	0.000905325	4.7138E-06	0.004641153	0.000884066	0.06612011	0.008876158	5.10776E-06	21.1281395	2.11201E-05	0.000113528	0.000194641	0.001621852
2050 Jul	252.5140991	0.303672433	0.447767138	0.009398944	91.06127167	0.056534089	68.01974487	0.000903872	0.000903872	4.70612E-06	0.00464225	0.000885063	0.066062145	0.008869994	5.09991E-06	21.13316727	2.11306E-05	0.000113625	0.00019443	0.00161982
2050 Aug	253.7420044	0.304684907	0.44928807	0.009427473	91.33958435	0.056697208	68.46788025	0.00090551	0.00090551	4.71539E-06	0.004656572	0.000889622	0.066438593	0.008891495	5.11111E-06	21.24399948	2.1228E-05	0.000113965	0.000195131	0.001626023
2050 Sep	254.7659607	0.305295497	0.45017916	0.009441364	91.47933197	0.056772165	68.90510559	0.00090534	0.00090534	4.71553E-06	0.004665011	0.00089358	0.066783041	0.008898678	5.11284E-06	21.3424015	2.1308E-05	0.000114169	0.000195581	0.00163024
2050 Oct	255.4754333	0.305805206	0.450936943	0.009454352	91.60808563	0.056836326	69.18606567	0.000905612	0.000905612	4.71754E-06	0.004671308	0.00089611	0.067007013	0.008905372	5.11592E-06	21.40696335	2.13628E-05	0.000114312	0.000195917	0.001633314
2050 Nov	255.8765106	0.306093991	0.451378077	0.009461901	91.68267822	0.056870189	69.34417725	0.000905731	0.000905731	4.71849E-06	0.004674334	0.000897464	0.067132205	0.008908192	5.11747E-06	21.44247246	2.13927E-05	0.000114379	0.000196098	0.001634993
2050 Dec	255.9381409	0.306137413	0.451444328	0.00946302	91.69376373	0.056875136	69.36873627	0.000905743	0.000905743	4.71861E-06	0.004674786	0.000897673	0.067151554	0.008908586	5.11768E-06	21.44795609	2.13973E-05	0.000114389	0.000196126	0.001635247
2051 Jan	255.9677887	0.306156963	0.451474249	0.009463516	91.69869995	0.056877248	69.38076782	0.000905744	0.000905744	4.71864E-06	0.00467499	0.000897775	0.067160957	0.008908764	5.11776E-06	21.450634	2.13995E-05	0.000114394	0.000196139	0.001635368
2051 Feb	255.9722595	0.30616039	0.451479346	0.00946361	91.69963074	0.056877725	69.38243866	0.000905749	0.000905749	4.71867E-06	0.004675036	0.000897792	0.06716232	0.008908859	5.11779E-06	21.45105743	2.13998E-05	0.000114395	0.000196142	0.00163539
2051 Mar	255.9794769	0.306168973	0.451491952	0.009463875	91.70220184	0.056879319	69.38437653	0.000905775	0.000905775	4.7188E-06	0.004675169	0.000897818	0.067164198	0.00890913	5.11793E-06	21.45167351	2.14004E-05	0.000114398	0.000196148	0.001635436
2051 Apr	256.0415344	0.306243181	0.451601386	0.009466168	91.7244339	0.05689311	69.40119934	0.000905994	0.000905994	4.71995E-06	0.004676302	0.000898036	0.067180485	0.008911302	5.11918E-06	21.45688438	2.14056E-05	0.000114426	0.000196196	0.001635832
2051 May	257.066925	0.30694589	0.452659398	0.009484812	91.90988159	0.056982916	69.80216217	0.000906623	0.000906623	4.72401E-06	0.004685647	0.000901798	0.067501336	0.008926341	5.12479E-06	21.55295563	2.14863E-05	0.000114683	0.00019678	0.001640467
2051 Jun	259.7205505	0.306384653	0.451724648	0.009460397	91.63179016	0.05681055	71.35839081	0.000902061	0.000902061	4.70379E-06	0.004708362	0.000917299	0.068529509	0.008971941	5.10903E-06	21.91894913	2.17807E-05	0.000115822	0.000198658	0.001649637
2051 Jul	259.9326782	0.305975646	0.451048046	0.009453278	91.51633453	0.056805611	71.57499695	0.000902369	0.000902369	4.70545E-06	0.004717168	0.000919899	0.068643294	0.008980768	5.11151E-06	21.97250175	2.18357E-05	0.000116096	0.00019889	0.00165142
2051 Aug	260.9903564	0.306609631	0.451987952	0.009469687	91.67814636	0.056915198	72.0094986	0.0009031	0.0009031	4.71011E-06	0.004728693	0.000924336	0.068999588	0.008996671	5.1179E-06	22.07680511	2.1921E-05	0.000116392	0.000199453	0.001656526
2051 Sep	261.5758667	0.306594312	0.451867521	0.009464522	91.62815094	0.05690534	72.34816742	0.000901792	0.000901792	4.70424E-06	0.004733214	0.000927395	0.069244266	0.008996151	5.11308E-06	22.14919662	2.19747E-05	0.000116504	0.000199651	0.001658602
2051 Oct	261.9020996	0.305831283	0.450442702	0.009436229	91.32920074	0.056787856	72.73929596	0.00089876	0.00089876	4.6895E-06	0.004735831	0.000930871	0.069452249	0.008988217	5.09915E-06	22.22883415	2.20238E-05	0.000116564	0.000199639	0.001659013
2051 Nov	262.3335266	0.306025505	0.450706929	0.009440546	91.36964417	0.056809913	72.93657684	0.00089866	0.00089866	4.68939E-06	0.00473955	0.000932622	0.06959828	0.008991239	5.09973E-06	22.2731514	2.20594E-05	0.000116648	0.000199829	0.001660802
2051 Dec	262.4415894	0.306090593	0.450806648	0.009442189	91.38594818	0.056816824	72.98142242	0.000898659	0.000898659	4.68949E-06	0.004740285	0.000932996	0.069633283	0.00899175	5.09999E-06	22.28300667	2.20676E-05	0.000116664	0.000199876	0.001661242
2052 Jan	262.4466858	0.306093812	0.450811207	0.009442265	91.38672638	0.0568172	72.98348999	0.000898661	0.000898661	4.68951E-06	0.004740331	0.000933016	0.069634892	0.008991842	5.10001E-06	22.28351402	2.2068E-05	0.000116665	0.000199879	0.001661264
2052 Feb	262.4501343	0.306097806	0.450816959	0.009442386	91.38792419	0.056817941	72.98442841	0.000898674	0.000898674	4.68957E-06	0.004740397	0.000933031	0.069635786	0.008992028	5.10008E-06	22.28385353	2.20683E-05	0.000116667	0.000199882	0.001661287
2052 Mar	262.4668274	0.306117237	0.45084551	0.009442984	91.39373016	0.056821547	72.98904419	0.000898731	0.000898731	4.68987E-06	0.0047407	0.000933091	0.069640197	0.008992636	5.10041E-06	22.28529358	2.20697E-05	0.000116675	0.000199896	0.001661393
2052 Apr	262.5026855	0.306159079	0.450907081	0.009444274	91.40621948	0.056829311	72.99902344	0.000898854	0.000898854	4.69051E-06	0.004741349	0.00093322	0.069649711	0.008993885	5.10111E-06	22.28835297	2.20727E-05	0.000116691	0.000199923	0.001661621
2052 May	262.6564941	0.306261063	0.451028019	0.009446767	91.43549347	0.056850411	73.04953766	0.000899345	0.000899345	4.69308E-06	0.004745252	0.000934391	0.069692977	0.009012071	5.10389E-06	22.31290627	2.20913E-05	0.000116902	0.000200252	0.00166273
2052 Jun	262.1609497	0.305094838	0.449112475	0.00941468	91.10423279	0.056718953	73.00735474	0.000898885	0.000898885	4.69023E-06	0.004750344	0.000936599	0.069581077	0.009060877	5.10053E-06	22.34252739	2.21066E-05	0.00011753	0.000200899	0.00166143
2052 Jul	263.4483032	0.305747896	0.450096101	0.009433059	91.28025818	0.056842793	73.55158234	0.000900046	0.000900046	4.69726E-06	0.004765872	0.000942179	0.070016913	0.009081397	5.10973E-06	22.47279739	2.22204E-05	0.000117898	0.000201627	0.001667941
2052 Aug	264.5418396	0.306454211	0.451149404	0.009452437	91.47289276	0.056964979	73.98279572	0.000901177	0.000901177	4.70394E-06	0.004778353	0.000946516	0.070375279	0.009099154	5.11821E-06	22.57748604	2.23099E-05	0.000118206	0.000202246	0.001673461
2052 Sep	265.4824524	0.306815892	0.451655775	0.009459353	91.54761505	0.057011366	74.41339111	0.000900842	0.000900842	4.70323E-06	0.004786284	0.000950398	0.070712872	0.009105128	5.11904E-06	22.67364883	2.23874E-05	0.000118397	0.000202666	0.00167745
2052 Oct	266.6080017	0.307346821	0.452433139	0.009471299	91.66936493	0.057067797	74.90798187	0.000900606	0.000900606	4.70316E-06	0.004794859	0.000954637	0.071097434	0.009110906	5.12074E-06	22.78278351	2.24772E-05	0.000118583	0.00020316	0.001682121
2052 Nov	266.8796387	0.307513982	0.452686816	0.00947574	91.71315002	0.057088736	75.01800537	0.000900721	0.000900721	4.70399E-06	0.004797117	0.000955596	0.071184978	0.009113217	5.12199E-06	22.80776787	2.24984E-05	0.000118633	0.000203291	0.001683324
2052 Dec	267.0062561	0.307581246	0.452790082	0.009477431	91.72995758	0.05709574	75.0717392	0.000900716	0.000900716	4.70408E-06	0.00479797	0.00095604	0.071226865	0.009113773	5.12228E-06	22.81952858	2.25081E-05	0.000118652	0.000203346	0.001683847

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2053 Jan	267.0407104	0.307599127	0.45281744	0.009477883	91.73444366	0.057097636	75.08638	0.000900716	0.000900716	4.70412E-06	0.004798211	0.000956163	0.071238294	0.009113971	5.12237E-06	22.82276917	2.25108E-05	0.000118657	0.000203362	0.001683992
2053 Feb	267.0537109	0.307609141	0.452832311	0.009478169	91.73727417	0.057099208	75.09112549	0.000900735	0.000900735	4.70422E-06	0.004798366	0.000956211	0.071242258	0.009114242	5.1225E-06	22.82397842	2.25119E-05	0.000118661	0.000203371	0.001684059
2053 Mar	267.0763245	0.307635158	0.452870548	0.00947897	91.74502563	0.057104032	75.09746552	0.000900812	0.000900812	4.70462E-06	0.004798773	0.000956293	0.071248271	0.009115038	5.12293E-06	22.82592392	2.25138E-05	0.000118672	0.000203388	0.001684202
2053 Apr	267.1464539	0.307715923	0.452989429	0.009481459	91.76911163	0.057119027	75.11717987	0.000901048	0.000901048	4.70586E-06	0.004800033	0.000956544	0.071266972	0.009117445	5.12428E-06	22.83192825	2.25197E-05	0.000118703	0.000203442	0.001684644
2053 May	269.9425964	0.30881837	0.45462355	0.00950636	92.0316391	0.057218749	76.34537506	0.000900824	0.000900824	4.70746E-06	0.004821851	0.000968167	0.07221283	0.009164196	5.13019E-06	23.12672043	2.27525E-05	0.00011949	0.000205255	0.001696698
2053 Jun	270.6343384	0.307274967	0.452092558	0.009458104	91.54983521	0.056973502	77.00070953	0.0008975	0.0008975	4.69157E-06	0.004829421	0.000976744	0.072573051	0.009234016	5.11582E-06	23.31948662	2.28769E-05	0.0001205	0.000206875	0.001699513
2053 Jul	271.6154175	0.30781281	0.452871472	0.0094755	91.70626831	0.057089608	77.40731049	0.000899105	0.000899105	4.70045E-06	0.004844206	0.000981013	0.072895512	0.009255	5.12647E-06	23.4216404	2.29727E-05	0.000120881	0.000207523	0.001705026
2053 Aug	273.6634827	0.30919981	0.454947799	0.009514596	92.09030914	0.05730826	78.19673157	0.000901378	0.000901378	4.71368E-06	0.0048666	0.000988582	0.073547758	0.009286206	5.143E-06	23.61214066	2.31391E-05	0.000121418	0.000208679	0.001715251
2053 Sep	276.501709	0.310750037	0.457303554	0.009555699	92.49654388	0.0575055	79.37509155	0.000902404	0.000902404	4.72152E-06	0.00489002	0.000998804	0.074484922	0.009309305	5.15534E-06	23.87843704	2.33639E-05	0.000121951	0.000210065	0.001727965
2053 Oct	278.2463684	0.311574876	0.458562464	0.009576376	92.70265961	0.057595778	80.12851715	0.000902381	0.000902381	4.72311E-06	0.004902498	0.001005096	0.075074881	0.009317956	5.15972E-06	24.04401398	2.35016E-05	0.000122224	0.000210859	0.0017354
2053 Nov	278.5391846	0.311685383	0.458723068	0.009578705	92.72676849	0.05760669	80.26146698	0.000902278	0.000902278	4.72289E-06	0.004904646	0.001006219	0.075177923	0.009319114	5.15997E-06	24.0730381	2.35254E-05	0.000122269	0.000210986	0.001736619
2053 Dec	278.6141968	0.311719984	0.458775997	0.009579563	92.73530579	0.057610217	80.29403687	0.000902272	0.000902272	4.72294E-06	0.004905161	0.001006489	0.075203255	0.009319438	5.16014E-06	24.08016014	2.35313E-05	0.000122281	0.000211019	0.001736933
2054 Jan	278.6333618	0.311728477	0.458788842	0.009579771	92.73740387	0.057611104	80.30236816	0.000902272	0.000902272	4.72295E-06	0.004905299	0.00100656	0.075209737	0.009319576	5.16018E-06	24.08202553	2.35328E-05	0.000122284	0.000211029	0.001737015
2054 Feb	278.6384583	0.311732531	0.458794743	0.009579888	92.73857117	0.057611775	80.30414581	0.000902282	0.000902282	4.72301E-06	0.004905367	0.00100658	0.075211257	0.009319742	5.16024E-06	24.08252716	2.35332E-05	0.000122286	0.000211033	0.001737043
2054 Mar	278.6398621	0.31173411	0.458796948	0.009579934	92.73902893	0.057612058	80.30453491	0.000902286	0.000902286	4.72303E-06	0.004905393	0.001006587	0.075211607	0.009319822	5.16027E-06	24.08267021	2.35334E-05	0.000122287	0.000211035	0.001737052
2054 Apr	278.7027283	0.311804414	0.458900452	0.009582095	92.75994873	0.057625055	80.32265472	0.00090249	0.00090249	4.7241E-06	0.004906502	0.001006815	0.075228579	0.009321944	5.16143E-06	24.08811569	2.35387E-05	0.000122315	0.000211082	0.001737444
2054 May	278.9290771	0.311989099	0.459153384	0.009587292	92.81393433	0.057660155	80.39601135	0.000903138	0.000903138	4.72752E-06	0.004911036	0.001008047	0.075293191	0.009337537	5.16519E-06	24.11551094	2.35615E-05	0.000122503	0.000211389	0.001738914
2054 Jun	277.9911804	0.310257077	0.456439942	0.009531623	92.2990036	0.057390746	80.20340729	0.000900387	0.000900387	4.71313E-06	0.004908219	0.001009109	0.075090863	0.00938142	5.14933E-06	24.10900688	2.35433E-05	0.000123054	0.000211873	0.001734274
2054 Jul	278.334137	0.309827656	0.455795705	0.009519433	92.16986084	0.057355326	80.46537018	0.000899831	0.000899831	4.7108E-06	0.004914392	0.001011914	0.075273089	0.009383463	5.14785E-06	24.16609192	2.35971E-05	0.000123215	0.000212049	0.001735969
2054 Aug	279.5411072	0.310319304	0.456519127	0.009531937	92.29660797	0.057445344	80.992836	0.000900399	0.000900399	4.71486E-06	0.004926663	0.001016984	0.0756993	0.009398392	5.15396E-06	24.28934097	2.3698E-05	0.000123527	0.00021269	0.001741825
2054 Sep	280.458374	0.31063816	0.45697096	0.009539	92.37068176	0.057497371	81.40673065	0.000900506	0.000900506	4.71634E-06	0.004935374	0.001020833	0.076029167	0.009407375	5.15698E-06	24.38427353	2.37748E-05	0.000123747	0.000213144	0.001746054
2054 Oct	280.8964539	0.310620844	0.456889063	0.009536181	92.3453598	0.057491113	81.64501953	0.00089995	0.00089995	4.71405E-06	0.004939162	0.001022921	0.076205447	0.009408339	5.15547E-06	24.43589211	2.38155E-05	0.000123826	0.000213322	0.001747861
2054 Nov	281.0555115	0.310603648	0.456838518	0.009535024	92.33323669	0.057488561	81.73449707	0.000899772	0.000899772	4.71333E-06	0.004940673	0.001023717	0.076269113	0.009409026	5.15503E-06	24.45557213	2.38308E-05	0.000123859	0.00021339	0.001748542
2054 Dec	281.2221985	0.310672969	0.456944823	0.009536761	92.35048676	0.057495728	81.80765533	0.000899764	0.000899764	4.71346E-06	0.004941835	0.001024322	0.076326124	0.009409781	5.15543E-06	24.47158241	2.3844E-05	0.000123884	0.000213466	0.001749253
2055 Jan	281.2467346	0.310682476	0.456959307	0.009536991	92.35279846	0.057496656	81.81851959	0.000899761	0.000899761	4.71347E-06	0.004942005	0.001024414	0.076334558	0.009409929	5.15548E-06	24.47398949	2.3846E-05	0.000123888	0.000213478	0.001749357
2055 Feb	281.247467	0.310683101	0.456960052	0.009537005	92.35298157	0.057496753	81.81874847	0.000899763	0.000899763	4.71348E-06	0.004942019	0.001024419	0.076334752	0.009410013	5.15549E-06	24.47410202	2.38461E-05	0.000123889	0.000213479	0.001749363
2055 Mar	281.2539063	0.310690194	0.456970423	0.009537223	92.35508728	0.057498071	81.82061768	0.000899784	0.000899784	4.71359E-06	0.004942134	0.001024443	0.076336481	0.009410267	5.15561E-06	24.47468758	2.38466E-05	0.000123892	0.000213485	0.001749403
2055 Apr	281.3060608	0.310747802	0.457055092	0.009538989	92.37220764	0.057508726	81.83576965	0.000899951	0.000899951	4.71446E-06	0.004943051	0.001024634	0.076350622	0.009412033	5.15657E-06	24.47924042	2.38511E-05	0.000123915	0.000213525	0.001749728
2055 May	281.5477905	0.310999721	0.457426131	0.00954668	92.4467392	0.057554722	81.90924835	0.000900658	0.000900658	4.71819E-06	0.004947082	0.001025515	0.076417774	0.009419532	5.16067E-06	24.50048828	2.38715E-05	0.000124016	0.000213702	0.001751193
2055 Jun	281.0964661	0.308654636	0.453855276	0.009483732	91.76797485	0.057255637	82.13922882	0.000897985	0.000897985	4.70457E-06	0.004953213	0.001028283	0.076455809	0.009404829	5.14709E-06	24.54117012	2.39321E-05	0.000124262	0.000213407	0.001748558
2055 Jul	280.6533813	0.307689965	0.452335954	0.009461597	91.50942993	0.057188336	82.10667419	0.000898219	0.000898219	4.70526E-06	0.004959128	0.001029021	0.076369852	0.009411176	5.14761E-06	24.54057312	2.39457E-05	0.00012448	0.000213346	0.001747592
2055 Aug	281.6926575	0.30845058	0.453458071	0.00948408	91.72957611	0.057333186	82.48788452	0.000900152	0.000900152	4.71586E-06	0.004973739	0.001033148	0.076698184	0.009435239	5.15994E-06	24.63942146	2.40345E-05	0.000124842	0.000214027	0.001753444
2055 Sep	282.4987793	0.308645517	0.453721166	0.009487671	91.76992035	0.057368275	82.86625671	0.00090009	0.00090009	4.71642E-06	0.004981285	0.001036633	0.076998934	0.009442231	5.16189E-06	24.72527695	2.41037E-05	0.000125033	0.000214424	0.001757179
2055 Oct	283.1149902	0.308888674	0.454070121	0.009493566	91.82955933	0.057402074	83.13769531	0.00090023	0.00090023	4.71774E-06	0.004987019	0.00103905	0.077214405	0.009447763	5.16423E-06	24.78693771	2.41558E-05	0.000125162	0.000214734	0.001760041
2055 Nov	283.527832	0.309044421	0.454303473	0.00949742	91.8680954	0.057420094	83.32068634	0.000900251	0.000900251	4.71826E-06	0.00499025	0.001040603	0.077357903	0.00945028	5.16543E-06	24.82750702	2.41895E-05	0.000125232	0.00021493	0.001761872
2055 Dec	283.6968384	0.309102029	0.454391986	0.00949882	91.88209534	0.057425618	83.39682007	0.000900225	0.000900225	4.7183E-06	0.004991396	0.001041227	0.077417061	0.009450906	5.16574E-06	24.84404945	2.42032E-05	0.000125257	0.000215007	0.001762595
2056 Jan	283.7074585	0.309107214	0.454399467	0.009498955	91.88344574	0.057426341	83.40126038	0.000900232	0.000900232	4.71834E-06	0.004991503	0.00104127	0.077420592	0.009451086	5.1658E-06	24.8451252	2.4204E-05	0.00012526	0.000215013	0.001762646
2056 Feb	283.7095337	0.30910942	0.454402536	0.009499019	91.88410187	0.057426743	83.40183258	0.000900239	0.000900239	4.71838E-06	0.004991543	0.00104128	0.077421114	0.009451239	5.16584E-06	24.84536171	2.42042E-05	0.000125262	0.000215016	0.00176266
2056 Mar	283.7184143	0.309119076	0.454416633	0.009499314	91.88697815	0.057428535	83.40441895	0.000900268	0.000900268	4.71853E-06	0.004991702	0.001041314	0.077423513	0.009451582	5.16601E-06	24.84617043	2.4205E-05	0.000125266	0.000215024	0.001762716
2056 Apr	283.7806702	0.309186935	0.454516262	0.009501397	91.90712738	0.057441134	83.42271423	0.000900465	0.000900465	4.71957E-06	0.004992798	0.001041544	0.0774405	0.009453681	5.16714E-06	24.85163879	2.42103E-05	0.000125294	0.000215071	0.001763103
2056 May	283.84729	0.309204638	0.454485118	0.009501063	91.91312408	0.057451863	83.43553162	0.00090107	0.00090107	4.72261E-06	0.004997429	0.001042914	0.077453047	0.009483391	5.17022E-06	24.87706184	2.42267E-05	0.000125618	0.000215547	0.001764017
2056 Jun	282.2908936	0.307051986	0.451042533	0.009436492	91.29605865	0.05715156	83.00939178	0.000898586	0.000898586	4.70881E-06	0.00499069	0.001042653	0.077029727	0.009545766	5.15412E-06	24.83542252	2.41636E-05	0.000126273	0.000216135	0.001757459
2056 Jul	283.4352722	0.307711184	0.452006191	0.009457113	91.48990631	0.057290517	83.46317291	0.000900654	0.000900654	4.72018E-06	0.00500794	0.001047558	0.077403918	0.009572361	5.16749E-06	24.9516201	2.4271E-05	0.000126705	0.000216901	0.001763981
2056 Aug	284.6883545	0.308325529	0.45291701	0.009474474	91.66184235	0.057408065	83.98117065	0.000901958	0.000901958	4.72792E-06	0.005022548	0.001052721	0.077831589	0.009593054	5.17737E-06	25.07672691	2.43781E-05	0.000127059	0.000217638	0.001770533
2056 Sep	285.9049988	0.308917791	0.453780532	0.009490572	91.82151031	0.057504971	84.48899841	0.000902908	0.000902908	4.73386E-06	0.00503562	0.001057476	0.078244656	0.009609438	5.18533E-06	25.19664955	2.44815E-05	0.00012737	0.000218317	0.0017766
2056 Oct	287.0049744	0.309025973	0.453906387	0.009490298	91.82498169	0.057504065	85.03707123	0.00090207	0.00090207	4.73088E-06	0.005043187	0.001061993	0.078664966	0.009610708	5.18424E-06	25.31369972	2.45761E-05	0.000127522	0.000218784	0.001781221
2056 Nov	287.4357605	0.309127122	0.45405066	0.009492291	91.84592438	0.057513516	85.23930359	0.000901947	0.000901947	4.73072E-06	0.005046434	0.001063691	0.078821816	0.009612513	5.18481E-06	25.35786057	2.46123E-05	0.000127591	0.00021898	0.001783099
2056 Dec	287.5534668	0.309164435	0.454107761	0.009493213	91.85511017	0.057517283	85.29246521	0.000901939	0.000901939	4.7308E-06	0.005047272	0.001064131	0.078863218	0.009613045	5.18508E-06	25.36948395	2.46219E-05	0.000127609	0.000219035	0.001783614
2057 Jan	287.5570984	0.309167385	0.454111844	0.009493297	91.85593414	0.057517819	85.2937088	0.000901948	0.000901948	4.73085E-06	0.005047333	0.001064147	0.078864291	0.009613194	5.18513E-06	25.3698616	2.46223E-05	0.0001276	0.000219038	0.001783635
2057 Feb	287.5587463	0.309169114	0.454114228	0.009493346	91.85645294	0.057518136	85.29417419	0.000901953	0.000901953	4.73088E-06	0.005047365	0.001064155	0.078864709	0.009613313	5.18516E-06	25.37005043	2.46224E-05	0.000127612	0.00021904	0.001783646
2057 Mar	287.5754089	0.309187055	0.454140514	0.009493896	91.86178589	0.057521474	85.29911041	0.000902006	0.000902006	4.73115E-06	0.00504766	0.001064218	0.078869276	0.009613907	5.18547E-06	25.3715477	2.46238E-05	0.000127619	0.000219054	0.00178375
2057 Apr	287.642395	0.309259027	0.454246193	0.009496105	91.88316345	0.057534859	85.31895447	0.000902216	0.000902216	4.73225E-06	0.005048836	0.001064467	0.078887627	0.009616165	5.18667E-06	25.37746811	2.46296E-05	0.000127649	0.000219105	0.001784166
2057 May	287.9275818	0.309523106	0.454620391	0.009503936	91.96134186	0.057585038	85.40757751	0.000903095	0.000903095	4.73687E-06	0.005054338	0.001065808	0.07896737	0.009631582	5.19173E-06	25.40797043	2.46566E-05	0.00012784	0.000219419	0.001785998
2057 Jun	286.2542114	0.307224452	0.451044023	0.009436632	91.30294037	0.057271708	84.95384979	0.000900663	0.000900663	4.72329E-06	0.005049714	0.001064529	0.078531891	0.009661838	5.1757E-06	25.33692741	2.45968E-05	0.000128259	0.000219383	0.001778411
2057 Jul	287.0336304	0.307459384	0.451369584	0.009445294	91.37615204	0.057348043	85.30226135	0.00090204	0.00090204	4.73091E-06	0.005063718	0.001068406	0.078808866	0.009681033	5.1848E-06	25.42554283	2.46833E-05	0.000128623	0.000219933	0.001783035
2057 Aug	288.8017578	0.308778614	0.453317136	0.009484714	91.75987244	0.057586312	85.9426651	0.000905389	0.000905389	4.74921E-06	0.005088077	0.001075153	0.079357371	0.009721219	5.20601E-06	25.59143448	2.48342E-05	0.000129227	0.000221096	0.001792902
2057 Sep	290.554657	0.309390008	0.454224437	0.009500647	91.91914368	0.05767541	86.71846008	0.000905924	0.000905924	4.75367E-06	0.005103711	0.001081958	0.079975374	0.009736425	5.21344E-06	25.76691246	2.49822E-05	0.000129588	0.000222	0.001801196
2057 Oct	292.2329712	0.309734344	0.4547351	0.009507765	91.99340057	0.057705719	87.5104599	0.000905436	0.000905436	4.75301E-06	0.005115627	0.001088485	0.080590598	0.00974207	5.21564E-06	25.93847466	2.51233E-05	0.000129839	0.000222771	0.001808564
2057 Nov	292.6021729	0.309851646	0.454910249	0.009510731	92.02296448	0.057720155	87.67620087	0.000905485	0.000905485	4.75363E-06	0.005118637	0.001089897	0.080720909	0.009744574	5.21687E-06	25.97538185	2.51542E-05	0.000129906	0.000222952	0.001810251
2057 Dec	292.6989441	0.309880316	0.454953969	0.009511454	92.03012848	0.057723254	87.72000885	0.000905486	0.000905486	4.75374E-06	0.00511936	0.001090263	0.080755137	0.009745087	5.21714E-06	25.98501968	2.51621E-05	0.000129922	0.000222998	0.001810683
2058 Jan	292.7339478	0.309888333	0.454966247	0.009511638	92.03199768	0.057723887	87.73628235	0.000905479	0.000905479	4.75373E-06	0.005119596	0.001090397	0.080767728	0.009745236	5.21719E-06	25.98856544	2.5165E-05	0.000129927	0.000223015	0.001810836
2058 Feb	292.7415466	0.309890479	0.454969436	0.009511692	92.03255463	0.057724129	87.73970032	0.00090548	0.00090548	4.75375E-06	0.005119657	0.001090427	0.080770396	0.009745336	5.21722E-06	25.98936081	2.51657E-05	0.000129929	0.000223019	0.001810871
2058 Mar	292.7493591	0.309896469	0.454978198	0.009511869	92.0342865	0.05772518	87.74246979	0.000905495	0.000905495	4.75383E-06	0.005119766	0.001090457	0.080772765	0.009745545	5.21732E-06	25.99010658	2.51663E-05	0.000129932	0.000223025	0.001810915
2058 Apr	292.7914429	0.309941024	0.455043554	0.009513236	92.0475235	0.057733476	87.75508881	0.000905626	0.000905626	4.75452E-06	0.005120503	0.001090615	0.08078438	0.009746963	5.21807E-06	25.99385834	2.517E-05	0.00012995	0.000223057	0.001811176
2058 May	295.5396423	0.310408056	0.455712527	0.009522355	92.15207672	0.057766818	89.03870392	0.000905401	0.000905401	4.75625E-06	0.005142666	0.001102437	0.081776775	0.00978854	5.22435E-06	26.29634666	2.54108E-05	0.000130692	0.000224841	0.001823756
2058 Jun	298.5165405	0.308169693	0.452149451	0.009447774	91.44976807	0.057362963	90.91322327	0.000899574	0.000899574	4.73069E-06	0.00516265	0.001121386	0.083082162	0.0098763	5.20429E-06	26.75945282	2.57451E-05	0.000132164	0.00022786	0.001836394
2058 Jul	299.2182007	0.308366686	0.452402264	0.009456398	91.51682281	0.057441421	91.23432922	0.000901019	0.000901019	4.73853E-06	0.00517561	0.001124959	0.08332888	0.009895756	5.21356E-06	26.8424778	2.5824E-05	0.000132512	0.000228401	0.001840846
2058 Aug	300.7740173	0.309157193	0.453572333	0.009479321	91.74191284	0.057585992	91.86795044	0.000902802	0.000902802	4.74894E-06	0.005193793	0.001131155	0.083852299	0.009921773	5.22661E-06	26.99605751	2.59576E-05	0.000132955	0.000229335	0.001849032
2058 Sep	302.02005	0.309284151	0.453713119	0.009480146	91.75652313	0.05760587	92.4782486	0.00090242	0.00090242	4.74841E-06	0.005204525	0.00113646	0.084330559	0.009928696	5.22829E-06	27.13074112	2.6068E-05	0.000133195	0.000229934	0.00185478
2058 Oct	303.2127686	0.309403986	0.453851134	0.009480833	91.7681427	0.057613317	93.06318665	0.000901921	0.000901921	4.74722E-06	0.005213889	0.001141389	0.084782988	0.009933257	5.22916E-06	27.25811195	2.6172E-05	0.000133388	0.00023048	0.001860082
2058 Nov	303.4810181	0.309480995	0.453961313	0.009482718	91.78710175	0.057623919	93.18463135	0.000901977	0.000901977	4.74778E-06	0.005216306	0.001142452	0.084878787	0.009935497	5.23016E-06	27.2855072	2.6195E-05	0.000133442	0.000230616	0.001861342
2058 Dec	303.5364685	0.309494644	0.453981906	0.009483051	91.79042053	0.057625342	93.21015167	0.000901975	0.000901975	4.74783E-06	0.005216724	0.001142664	0.084898688	0.009935783	5.23031E-06	27.2911129	2.61996E-05	0.000133451	0.000230642	0.00186159
2059 Jan	303.5534973	0.309497923	0.453986824	0.009483122	91.79115295	0.057625584	93.21814728	0.000901971	0.000901971	4.74783E-06	0.005216843	0.001142731	0.084904864	0.009935886	5.23034E-06	27.2928772	2.62011E-05	0.000133454	0.000230651	0.001861666
2059 Feb	303.5544434	0.309498847	0.453987986	0.009483146	91.79141235	0.057625741	93.21842194	0.000901975	0.000901975	4.74784E-06	0.005216862	0.001142737	0.08490511	0.009935977	5.23035E-06	27.2930069	2.62012E-05	0.000133455	0.000230653	0.001861672
2059 Mar	303.5549316	0.309499294	0.453988582	0.00948316	91.79155731	0.057625826	93.21855164	0.000901976	0.000901976	4.74785E-06	0.005216871	0.00114274	0.084905222	0.009936026	5.23036E-06	27.29306984	2.62012E-05	0.000133455	0.000230654	0.001861676
2059 Apr	303.606842	0.309552222	0.454066187	0.00948478	91.80725098	0.05763568	93.23448944	0.000902131	0.000902131	4.74867E-06	0.005217765	0.001142936	0.084919728	0.009937745	5.23126E-06	27.29775047	2.62057E-05	0.000133478	0.000230693	0.001861995
2059 May	304.177063	0.309724629	0.454288006	0.009488906	91.85405731	0.057663962	93.47729492	0.000902695	0.000902695	4.75204E-06	0.0052253	0.001145869	0.085113041	0.009962009	5.23553E-06	27.36752701	2.62609E-05	0.000133798	0.000231284	0.001865075
2059 Jun	304.5942078	0.309047818	0.453146726	0.009464976	91.6486969	0.057559703	93.76669312	0.000902045	0.000902045	4.74935E-06	0.005234697	0.001151088	0.085317902	0.010025593	5.23354E-06	27.47725868	2.63365E-05	0.000134593	0.000232535	0.001867627
2059 Jul	306.078186	0.310159683	0.454782158	0.009498708	91.97579956	0.057769328	94.29795074	0.000905235	0.000905235	4.7666E-06	0.005257381	0.001156956	0.085777447	0.01006381	5.25324E-06	27.61868668	2.64693E-05	0.000135166	0.000233567	0.001876177
2059 Aug	307.5055237	0.311143994	0.4562307	0.009528189	92.26303101	0.057951059	94.82754517	0.000907826	0.000907826	4.78083E-06	0.005276937	0.001162512	0.086228684	0.010096103	5.26985E-06	27.75516701	2.65926E-05	0.000135655	0.000234513	0.00188416
2059 Sep	308.5611267	0.31143865	0.456634283	0.009535425	92.33743286	0.058006659	95.30529022	0.000908266	0.000908266	4.78414E-06	0.005288033	0.001166906	0.086613223	0.010108192	5.27501E-06	27.86557198	2.66864E-05	0.000135917	0.000235093	0.001889443
2059 Oct	309.1594849	0.310779184	0.455508232	0.009510416	92.10481262	0.057897035	95.74142456	0.000905993	0.000905993	4.77369E-06	0.005291341	0.001170394	0.086928733	0.010099041	5.26576E-06	27.95202827	2.67501E-05	0.000135939	0.000235225	0.001891527
2059 Nov	309.6149292	0.310802877	0.455522478	0.00951	92.10253143	0.057896998	95.9677887	0.000905802	0.000905802	4.77324E-06	0.005295069	0.001172318	0.087103121	0.010100993	5.26609E-06	28.00152969	2.67904E-05	0.000136015	0.000235434	0.001893564

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2059 Dec	309.7009277	0.310818881	0.455546886	0.009510371	92.10626221	0.057898354	96.00820923	0.000905789	0.000905789	4.77326E-06	0.00529568	0.001172649	0.087134495	0.010101328	5.26626E-06	28.01031494	2.67976E-05	0.000136028	0.000235474	0.001893947
2060 Jan	309.7045898	0.310821384	0.455550283	0.009510441	92.10697174	0.057898819	96.00953674	0.000905796	0.000905796	4.7733E-06	0.005295739	0.001172666	0.08713562	0.01010147	5.26631E-06	28.01070595	2.67979E-05	0.00013603	0.000235477	0.001893968
2060 Feb	309.7071533	0.310823947	0.455553949	0.009510517	92.10772705	0.057899296	96.01031494	0.000905805	0.000905805	4.77334E-06	0.005295786	0.001172678	0.087136313	0.01010162	5.26636E-06	28.01098251	2.67982E-05	0.000136031	0.00023548	0.001893985
2060 Mar	309.7163086	0.310833126	0.4555673	0.009510796	92.11044312	0.057900999	96.01312256	0.000905832	0.000905832	4.77349E-06	0.005295944	0.001172714	0.087138869	0.010101954	5.26651E-06	28.01183319	2.6799E-05	0.000136036	0.000235488	0.001894042
2060 Apr	309.791748	0.310908139	0.455677181	0.009513089	92.13266754	0.057914957	96.03662872	0.00090605	0.00090605	4.77464E-06	0.005297227	0.001173	0.087160155	0.010104411	5.26779E-06	28.01867676	2.68055E-05	0.000136069	0.000235545	0.001894502
2060 May	310.6211853	0.310786754	0.455410689	0.009506701	92.08873749	0.057888702	96.44555664	0.00090609	0.00090609	4.77572E-06	0.00530745	0.001178245	0.087469704	0.010152126	5.27018E-06	28.14137459	2.68943E-05	0.000136674	0.000236657	0.001898842
2060 Jun	309.5839233	0.308827311	0.452263892	0.009448543	91.52910614	0.057619356	96.24834442	0.000903905	0.000903905	4.7639E-06	0.005304314	0.001179661	0.087223336	0.010214095	5.25699E-06	28.14767456	2.6871E-05	0.000137365	0.000237445	0.00189481
2060 Jul	310.789917	0.309744567	0.453592986	0.009477609	91.80474854	0.05781012	96.67877197	0.000906998	0.000906998	4.78038E-06	0.005325173	0.001184711	0.087593012	0.010250972	5.27554E-06	28.26693344	2.69849E-05	0.000137909	0.00023836	0.001902202
2060 Aug	311.9789429	0.310172647	0.45420748	0.009489692	91.92625427	0.057907499	97.19247437	0.000908154	0.000908154	4.78737E-06	0.005339507	0.001189825	0.088018104	0.01027104	5.28465E-06	28.39108276	2.70903E-05	0.000138276	0.000239081	0.001908585
2060 Sep	312.8400574	0.309532017	0.453175724	0.009466836	91.71424103	0.057821613	97.74484253	0.000906258	0.000906258	4.77909E-06	0.005344415	0.00119452	0.088434443	0.010265843	5.27807E-06	28.5056076	2.71707E-05	0.0001384	0.000239362	0.001912059
2060 Oct	314.1575623	0.309487015	0.453049302	0.009462318	91.67586517	0.057804793	98.41916656	0.000905447	0.000905447	4.77653E-06	0.005354512	0.001200136	0.088952653	0.010268959	5.27784E-06	28.6509037	2.72885E-05	0.000138599	0.00023995	0.001917917
2060 Nov	314.5448914	0.309451818	0.452974409	0.009460192	91.65699005	0.057796016	98.62167358	0.000905151	0.000905151	4.77549E-06	0.005357463	0.001201822	0.08910726	0.010269596	5.27748E-06	28.69436455	2.73234E-05	0.000138655	0.000240118	0.001919615
2060 Dec	314.7214966	0.30948168	0.453020304	0.0094609	91.66409302	0.057798635	98.70485687	0.00090513	0.00090513	4.77558E-06	0.005358733	0.001202505	0.089171939	0.010270321	5.27787E-06	28.71247101	2.73383E-05	0.000138682	0.000240202	0.001920411
2061 Jan	314.7626343	0.309487164	0.453028679	0.009461016	91.66529846	0.05779897	98.72447205	0.000905121	0.000905121	4.77558E-06	0.00535902	0.001202666	0.089187123	0.010270508	5.27794E-06	28.7167511	2.73418E-05	0.000138689	0.000240222	0.001920595
2061 Feb	314.7685547	0.309488267	0.453030229	0.009461042	91.66557312	0.057799086	98.72719574	0.000905122	0.000905122	4.77559E-06	0.005359069	0.001202691	0.089189246	0.010270615	5.27796E-06	28.71740723	2.73423E-05	0.00013869	0.000240226	0.001920623
2061 Mar	314.7749023	0.309493363	0.45303756	0.009461194	91.66706085	0.05780001	98.72938538	0.000905137	0.000905137	4.77567E-06	0.005359165	0.001202717	0.089191139	0.010270824	5.27805E-06	28.71802902	2.73428E-05	0.000138693	0.000240231	0.001920661
2061 Apr	314.8478088	0.309565008	0.453142405	0.009463383	91.68829346	0.057813391	98.75223541	0.000905346	0.000905346	4.77677E-06	0.005360407	0.001202996	0.089211784	0.010273226	5.27927E-06	28.7246933	2.73492E-05	0.000138726	0.000240287	0.001921106
2061 May	316.0697632	0.309316754	0.452663988	0.009454249	91.60928345	0.057773761	99.38288879	0.000905304	0.000905304	4.77783E-06	0.005373881	0.001210177	0.089675002	0.01032586	5.28242E-06	28.89811516	2.7477E-05	0.000139439	0.000241659	0.001927417
2061 Jun	315.2183838	0.306130886	0.447619021	0.009364844	90.70510101	0.057343256	99.53171539	0.000901025	0.000901025	4.75582E-06	0.005367992	0.00121384	0.089596733	0.010375337	5.26001E-06	28.96856689	2.74944E-05	0.000140112	0.000242529	0.001924116
2061 Jul	316.5703735	0.306929857	0.448773265	0.009390296	90.94525909	0.057516202	100.0566788	0.00090381	0.00090381	4.77094E-06	0.005389374	0.001219641	0.090034835	0.010410968	5.27751E-06	29.10677528	2.76226E-05	0.000140665	0.000243501	0.001932108
2061 Aug	318.1416321	0.307884008	0.450174272	0.009418895	91.22398376	0.057695132	100.6617889	0.000906374	0.000906374	4.78522E-06	0.005410181	0.001225868	0.090544328	0.010444687	5.29443E-06	29.26024437	2.77597E-05	0.000141187	0.000244535	0.001940815
2061 Sep	319.5858765	0.308163613	0.450574219	0.009425806	91.29499817	0.057743777	101.3335342	0.000906643	0.000906643	4.7881E-06	0.005423225	0.001231739	0.09107846	0.010456497	5.29987E-06	29.41121674	2.78863E-05	0.000141489	0.000245293	0.001947825
2061 Oct	320.7475281	0.307556272	0.449566752	0.009402905	91.08200073	0.057635657	102.0366592	0.000904296	0.000904296	4.7779E-06	0.005429375	0.001237201	0.091603465	0.010446799	5.29187E-06	29.55317307	2.79964E-05	0.000141562	0.000245684	0.001952475
2061 Nov	321.2418823	0.307417363	0.449321926	0.009397116	91.02865601	0.057609506	102.3123398	0.000903682	0.000903682	4.77543E-06	0.005432798	0.001239441	0.091811672	0.010445827	5.2903E-06	29.61099815	2.80421E-05	0.00014162	0.000245879	0.001954576
2061 Dec	321.3639526	0.307434589	0.449348301	0.009397514	91.03266144	0.057610944	102.3702927	0.000903667	0.000903667	4.77549E-06	0.005433685	0.001239917	0.091856718	0.010446333	5.29057E-06	29.62361336	2.80525E-05	0.000141639	0.000245937	0.00195513
2062 Jan	321.4286194	0.307442188	0.449359983	0.009397679	91.03434753	0.057611413	102.4012299	0.000903655	0.000903655	4.7755E-06	0.00543414	0.001240171	0.091880709	0.010446608	5.29069E-06	29.63034821	2.8058E-05	0.000141649	0.000245969	0.001955423
2062 Feb	321.4428711	0.307445556	0.449364901	0.009397767	91.03525543	0.057611875	102.4076538	0.00090366	0.00090366	4.77553E-06	0.005434264	0.001240229	0.091885775	0.010446793	5.29075E-06	29.63184738	2.80593E-05	0.000141652	0.000245977	0.001955491
2062 Mar	321.4668274	0.307466596	0.449395627	0.009398408	91.04147339	0.057615791	102.4156342	0.000903721	0.000903721	4.77586E-06	0.00543465	0.001240323	0.091892801	0.010447551	5.29112E-06	29.6341114	2.80614E-05	0.000141662	0.000245996	0.001955634
2062 Apr	321.5457153	0.307542026	0.449505836	0.009400712	91.06381226	0.057629924	102.4407501	0.000903943	0.000903943	4.77703E-06	0.005435985	0.001240628	0.091915332	0.010450137	5.29242E-06	29.64139748	2.80683E-05	0.000141697	0.000246056	0.001956115
2062 May	321.7789001	0.307753295	0.449814737	0.009407157	91.12625885	0.057669315	102.5172653	0.000904557	0.000904557	4.78029E-06	0.005439789	0.001241528	0.091983177	0.010457322	5.29605E-06	29.66305733	2.80886E-05	0.000141796	0.000246231	0.001957512
2062 Jun	320.2131958	0.305787772	0.446860015	0.00935303	90.57087708	0.057419166	102.077179	0.00090288	0.00090288	4.77058E-06	0.00543698	0.001238642	0.091577686	0.01043958	5.28414E-06	29.55895424	2.8032E-05	0.000141779	0.000245374	0.001949997
2062 Jul	319.7246399	0.304693431	0.445177674	0.009325423	90.2719574	0.057320032	102.0305786	0.000902718	0.000902718	4.76936E-06	0.005442211	0.001239211	0.09149465	0.010441229	5.28259E-06	29.55174065	2.80438E-05	0.000141957	0.000245221	0.001948483
2062 Aug	320.9329529	0.304776639	0.445280582	0.009326968	90.2915802	0.057364635	102.6133499	0.000903103	0.000903103	4.77263E-06	0.005454781	0.001244775	0.091962695	0.010455485	5.28807E-06	29.68606186	2.81521E-05	0.000142267	0.000245884	0.001954687
2062 Sep	321.9077759	0.304496795	0.444786847	0.009316179	90.19168091	0.057331767	103.1557007	0.000902219	0.000902219	4.76939E-06	0.005462883	0.001249416	0.092378408	0.010457432	5.2867E-06	29.80296135	2.82444E-05	0.00014244	0.000246323	0.001959201
2062 Oct	321.7439575	0.302240372	0.441061944	0.009249015	89.50246429	0.057038814	103.536232	0.000898075	0.000898075	4.74886E-06	0.005460295	0.001252171	0.092535846	0.010434834	5.26681E-06	29.86951256	2.82763E-05	0.000142338	0.00024606	0.00195818
2062 Nov	322.0003052	0.302228749	0.441015452	0.009248341	89.49472046	0.057041068	103.6680527	0.000898104	0.000898104	4.74928E-06	0.005463264	0.00125339	0.092634819	0.010437844	5.26769E-06	29.89992523	2.8301E-05	0.000142405	0.000246198	0.001959472
2062 Dec	322.1470032	0.302246094	0.441042185	0.009248737	89.498703	0.057042394	103.7381134	0.000898085	0.000898085	4.74934E-06	0.005464325	0.001253964	0.092689283	0.010438434	5.26801E-06	29.91515732	2.83136E-05	0.000142427	0.000246268	0.001960141
2063 Jan	322.1977234	0.302251309	0.441050142	0.009248848	89.49986267	0.05704271	103.7624359	0.000898077	0.000898077	4.74936E-06	0.005464688	0.001254164	0.092708163	0.010438668	5.26811E-06	29.92046738	2.83179E-05	0.000142435	0.000246293	0.001960372
2063 Feb	322.2078552	0.302253991	0.441054016	0.009248922	89.50059509	0.057043117	103.7669525	0.000898082	0.000898082	4.74939E-06	0.005464783	0.001254206	0.092711747	0.010438829	5.26817E-06	29.92154312	2.83188E-05	0.000142438	0.0002463	0.001960422
2063 Mar	322.2129822	0.30225876	0.44106093	0.009249066	89.50201416	0.057044018	103.7685852	0.000898097	0.000898097	4.74947E-06	0.005464872	0.001254227	0.0927132	0.01043903	5.26825E-06	29.92204285	2.83193E-05	0.000142441	0.000246304	0.001960454
2063 Apr	322.2560425	0.302299142	0.44111976	0.009250301	89.51396179	0.057051633	103.7824402	0.000898217	0.000898217	4.7501E-06	0.005465603	0.001254395	0.092725568	0.010440446	5.26895E-06	29.92605209	2.8323E-05	0.00014246	0.000246337	0.001960716
2063 May	322.2191467	0.302194357	0.440897405	0.0092472	89.48725891	0.057048786	103.7696991	0.000898703	0.000898703	4.75244E-06	0.005469148	0.001255467	0.092707083	0.010467942	5.27122E-06	29.94449806	2.83325E-05	0.000142757	0.00024675	0.001961177
2063 Jun	317.8424072	0.297079861	0.432823539	0.009105975	88.05708313	0.05638171	102.4918671	0.00089342	0.00089342	4.72173E-06	0.005442143	0.001248949	0.091429122	0.010530409	5.2344E-06	29.72526169	2.81019E-05	0.000143338	0.000246482	0.001942118
2063 Jul	317.7554626	0.296393543	0.431746125	0.009090071	87.87556458	0.056335431	102.5827103	0.00089341	0.00089341	4.72162E-06	0.005446875	0.001250231	0.091459565	0.010533782	5.23464E-06	29.74774361	2.81289E-05	0.000143498	0.000246551	0.001942566
2063 Aug	319.358429	0.297249824	0.43299529	0.009115801	88.12612152	0.056501802	103.2195282	0.000895842	0.000895842	4.73528E-06	0.005467882	0.001256738	0.091990992	0.010567278	5.25104E-06	29.90785408	2.82704E-05	0.000144028	0.000247599	0.001951422
2063 Sep	320.9235229	0.297389001	0.433175415	0.009118438	88.15600586	0.056533534	103.9721451	0.000895948	0.000895948	4.73753E-06	0.005481827	0.001263337	0.092585675	0.010579254	5.25607E-06	30.07642365	2.84085E-05	0.000144356	0.000248404	0.001958987
2063 Oct	322.0293274	0.297165424	0.432794988	0.009109315	88.07253265	0.056491636	104.5676498	0.000894903	0.000894903	4.73363E-06	0.005489235	0.001268114	0.093041591	0.01057798	5.2542E-06	30.20153427	2.85091E-05	0.000144488	0.000248873	0.001963863
2063 Nov	322.4035034	0.297183365	0.432813287	0.009109365	88.07389069	0.056493081	104.7510986	0.000894832	0.000894832	4.73369E-06	0.005492265	0.001269655	0.093184389	0.010579792	5.25492E-06	30.24171066	2.85422E-05	0.000144551	0.000249055	0.001965606
2063 Dec	322.5221252	0.297201186	0.432840019	0.009109817	88.07837677	0.056495175	104.8068848	0.000894839	0.000894839	4.73385E-06	0.005493205	0.001270122	0.093228035	0.010580492	5.25529E-06	30.25401878	2.85525E-05	0.000144572	0.000249114	0.001966161
2064 Jan	322.5976257	0.297206759	0.432848722	0.009109926	88.07952118	0.056495346	104.8434143	0.000894824	0.000894824	4.73386E-06	0.005493736	0.001270421	0.093256362	0.010580787	5.25543E-06	30.26194954	2.85589E-05	0.000144583	0.000249151	0.001966505
2064 Feb	322.6190186	0.297210932	0.432854861	0.009110039	88.08065033	0.056495935	104.853241	0.00089483	0.00089483	4.73391E-06	0.005493921	0.001270507	0.093264103	0.010581019	5.25551E-06	30.2641983	2.85608E-05	0.000144588	0.000249163	0.001966609
2064 Mar	322.647644	0.297234595	0.432889283	0.00911076	88.08764648	0.056500394	104.8630219	0.0008949	0.0008949	4.73428E-06	0.005494379	0.001270621	0.093272634	0.0105819	5.25594E-06	30.26694107	2.85633E-05	0.0001446	0.000249185	0.001966779
2064 Apr	322.6946411	0.29727757	0.432951838	0.009112077	88.10037994	0.056508556	104.8783569	0.00089503	0.00089503	4.73497E-06	0.005495176	0.001270807	0.093286246	0.010583452	5.2567E-06	30.27136803	2.85675E-05	0.000144621	0.000249221	0.001967065
2064 May	323.7923889	0.297047168	0.432534635	0.009103488	88.02841187	0.056468826	105.4431686	0.000894839	0.000894839	4.73521E-06	0.005506159	0.001276888	0.093710728	0.010622487	5.25884E-06	30.42033768	2.86791E-05	0.00014517	0.000250334	0.001972612
2064 Jun	323.4359436	0.293932289	0.427591711	0.009012619	87.13899994	0.056025572	105.790062	0.000890566	0.000890566	4.71385E-06	0.005504778	0.001283003	0.093813077	0.010694615	5.23769E-06	30.54940987	2.87395E-05	0.000146105	0.000251763	0.00197163
2064 Jul	324.6388855	0.294380218	0.42823711	0.009026904	87.27469635	0.056136157	106.3006058	0.000892382	0.000892382	4.7241E-06	0.005522319	0.001288401	0.094233245	0.01072104	5.2501E-06	30.67736816	2.88557E-05	0.000146547	0.000252575	0.001978498
2064 Aug	325.9043274	0.294593841	0.428545237	0.00903295	87.33615112	0.056197986	106.8862991	0.00089312	0.00089312	4.72915E-06	0.005535864	0.001293972	0.094706208	0.010737615	5.25745E-06	30.81353951	2.89693E-05	0.000146868	0.000253304	0.001985129
2064 Sep	327.7966614	0.294231653	0.427944481	0.009018919	87.20809937	0.05614616	107.8934937	0.000891782	0.000891782	4.72471E-06	0.00554949	0.001302335	0.095484339	0.010739756	5.25649E-06	31.02890778	2.91393E-05	0.000147155	0.000254139	0.001993709
2064 Oct	329.5667114	0.294315547	0.428041071	0.009019542	87.21723938	0.056151703	108.7589722	0.000891496	0.000891496	4.72523E-06	0.005563513	0.001309558	0.09615773	0.010748055	5.26013E-06	31.21816254	2.92952E-05	0.000147448	0.000255	0.002001952
2064 Nov	330.0793457	0.294400334	0.428168714	0.009021819	87.23965454	0.056162938	108.9980316	0.000891576	0.000891576	4.72617E-06	0.005567716	0.001311576	0.096345447	0.010751541	5.26195E-06	31.27125931	2.93395E-05	0.000147542	0.000255263	0.002004386
2064 Dec	330.1534729	0.294409454	0.428182423	0.009022047	87.24192047	0.056163963	109.0331726	0.000891577	0.000891577	4.72626E-06	0.005568298	0.00131187	0.09637291	0.010751954	5.26217E-06	31.27899361	2.93459E-05	0.000147555	0.0002553	0.002004734
2065 Jan	330.2047119	0.294412404	0.428187042	0.009022098	87.24247742	0.05616397	109.0581055	0.000891567	0.000891567	4.72626E-06	0.005568658	0.001312073	0.096392237	0.010752146	5.26226E-06	31.28439522	2.93504E-05	0.000147562	0.000255325	0.002004968
2065 Feb	330.2233276	0.294416249	0.428192735	0.009022206	87.24354553	0.056164559	109.0665894	0.000891573	0.000891573	4.72631E-06	0.005568824	0.001312147	0.096398942	0.01075235	5.26235E-06	31.28634453	2.9352E-05	0.000147566	0.000255336	0.002005059
2065 Mar	330.2531128	0.294442117	0.428230286	0.009022997	87.25119781	0.05616948	109.0765533	0.000891652	0.000891652	4.72673E-06	0.005569319	0.001312267	0.096407697	0.01075332	5.26281E-06	31.28919029	2.93546E-05	0.00014758	0.000255359	0.002005239
2065 Apr	330.3373718	0.294517219	0.428339481	0.009025298	87.27345276	0.056183808	109.1043701	0.000891879	0.000891879	4.72793E-06	0.00557074	0.001312602	0.096432284	0.010756075	5.26416E-06	31.29718018	2.93621E-05	0.000147617	0.000255425	0.002005751
2065 May	331.8006287	0.294520229	0.428288579	0.009023538	87.26824951	0.056179486	109.8089752	0.000892073	0.000892073	4.73047E-06	0.005585078	0.001319711	0.096978337	0.010793622	5.26918E-06	31.47446823	2.95012E-05	0.000148183	0.000256634	0.002013062
2065 Jun	330.2474365	0.292001277	0.42430225	0.008952191	86.56006622	0.055845603	109.4650192	0.000889382	0.000889382	4.7156E-06	0.005577527	0.001319418	0.096581802	0.01083969	5.25233E-06	31.43815231	2.94456E-05	0.000148706	0.000257012	0.002006626
2065 Jul	331.6366882	0.292637616	0.425196141	0.008973707	86.75700378	0.05600328	110.037529	0.000892141	0.000892141	4.73065E-06	0.00560015	0.001325701	0.097047098	0.010877009	5.26991E-06	31.58791733	2.95842E-05	0.000149307	0.000258042	0.002014967
2065 Aug	333.4497986	0.29338637	0.426281512	0.008996061	86.97577667	0.056154817	110.7968369	0.000894306	0.000894306	4.74325E-06	0.005622315	0.001333182	0.097672522	0.010910023	5.28567E-06	31.77359772	2.97457E-05	0.000149867	0.00025919	0.002024784
2065 Sep	334.7853088	0.292786777	0.425298601	0.008974527	86.77635193	0.056066159	111.573616	0.000892427	0.000892427	4.7356E-06	0.005630992	0.001339415	0.098267108	0.010904405	5.28061E-06	31.93424606	2.98718E-05	0.000150013	0.000259713	0.002030684
2065 Oct	335.9519348	0.291596621	0.423310548	0.008932916	86.38179016	0.055879742	112.382225	0.000889163	0.000889163	4.72097E-06	0.005637909	0.001345717	0.098857105	0.010889409	5.26836E-06	32.09551239	2.99934E-05	0.000150056	0.000260027	0.002035365
2065 Nov	336.3262329	0.291451067	0.423043549	0.00892792	86.33184814	0.055862326	112.5976639	0.000888899	0.000888899	4.72009E-06	0.005641608	0.001347586	0.099015541	0.010891136	5.26819E-06	32.14280319	3.00308E-05	0.000150129	0.000260203	0.002037164
2065 Dec	336.3862305	0.291455805	0.423050404	0.00892802	86.33286285	0.05586274	112.626564	0.000888895	0.000888895	4.72014E-06	0.005642072	0.001347826	0.099038042	0.010891435	5.26834E-06	32.14913177	3.0036E-05	0.000150139	0.000260232	0.002037444
2066 Jan	336.4701538	0.291459829	0.423056722	0.008928089	86.33361816	0.055862736	112.6674271	0.00088888	0.00088888	4.72015E-06	0.005642672	0.00134816	0.099069759	0.010891774	5.2685E-06	32.15800858	3.00433E-05	0.000150152	0.000260274	0.00203783
2066 Feb	336.4887695	0.291467994	0.423068523	0.008928332	86.33599854	0.055864219	112.675087	0.000888903	0.000888903	4.72028E-06	0.005642894	0.001348236	0.09907601	0.01089217	5.26867E-06	32.15992737	3.00449E-05	0.000150158	0.000260286	0.002037931
2066 Mar	336.5338135	0.291507035	0.423125118	0.008929526	86.34755707	0.055871692	112.6901474	0.000889022	0.000889022	4.72092E-06	0.005643651	0.001348418	0.09908925	0.010893668	5.26937E-06	32.16426086	3.00489E-05	0.000150178	0.000260322	0.002038204
2066 Apr	336.5926514	0.291557968	0.423199028	0.008931086	86.36265564	0.055881459	112.7098389	0.000889178	0.000889178	4.72174E-06	0.005644639	0.001348655	0.099106558	0.010895596	5.2703E-06	32.16989899	3.00542E-05	0.000150205	0.000260368	0.002038561
2066 May	336.8044739	0.291736573	0.423450053	0.008936446	86.41573334	0.055916816	112.7792206	0.000889805	0.000889805	4.72505E-06	0.00564871	0.00134966	0.099167772	0.010906409	5.27394E-06	32.19284058	3.00746E-05	0.000150342	0.000260592	0.00203992
2066 Jun	333.8092651	0.288543969	0.418487519	0.008849846	85.52774048	0.055517249	111.8528366	0.000887017	0.000887017	4.7082E-06	0.005634186	0.001344016	0.098287821	0.010919911	5.25286E-06	32.01014709	2.99208E-05	0.000150514	0.00025983	0.002026614
2066 Jul	335.3805237	0.288954884	0.419037163	0.008865491	85.6622467	0.055653792	112.5535278	0.000889731	0.000889731	4.72324E-06	0.005660096	0.001351587	0.098843761	0.010959069	5.27086E-06	32.18861389	3.00864E-05	0.000151196	0.000260966	0.002035967
2066 Aug	337.2171326	0.28969574	0.420111954	0.008887768	85.87969971	0.05580527	113.3247833	0.000891939	0.000891939	4.73609E-06	0.005682617	0.0013592	0.099478014	0.010992745	5.28691E-06	32.37718964	3.02506E-05	0.000151761	0.000262133	0.002045942
2066 Sep	338.539978	0.289704621	0.420079142	0.00888651	85.87216187	0.055818323	113.9799805	0.000891847	0.000891847	4.73712E-06	0.005694711	0.001364884	0.099995628	0.011001661	5.29037E-06	32.52267838	3.03714E-05	0.000152029	0.000262816	0.002052437
2066 Oct	340.0126648	0.289350122	0.41947791	0.008872965	85.74684143	0.055757541	114.7777786	0.000890559	0.000890559	4.73246E-06	0.005705098	0.001371315	0.100607082	0.011000645	5.28842E-06	32.69091797	3.05067E-05	0.00015221	0.000263446	0.002059052

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2066 Nov	340.4057312	0.289260238	0.419322848	0.008869476	85.71463776	0.055742502	114.9898605	0.000890237	0.000890237	4.73132E-06	0.005707989	0.00137304	0.100769855	0.011000662	5.28801E-06	32.73587418	3.0543E-05	0.000152261	0.000263617	0.002060831
2066 Dec	340.5132446	0.289272994	0.419341624	0.008869806	85.71791077	0.055744186	115.0407562	0.000890248	0.000890248	4.7315E-06	0.005708871	0.001373468	0.100809731	0.011001362	5.28837E-06	32.74714661	3.05524E-05	0.00015228	0.000263672	0.002061343
2067 Jan	340.5628052	0.289276093	0.419346243	0.008869871	85.71859741	0.055744398	115.0646896	0.000890244	0.000890244	4.73153E-06	0.005709246	0.001373667	0.100828357	0.011001637	5.28849E-06	32.75240707	3.05567E-05	0.000152289	0.000263697	0.002061575
2067 Feb	340.5774841	0.289282858	0.419355959	0.008870074	85.7205658	0.055745646	115.0706711	0.000890264	0.000890264	4.73164E-06	0.005709428	0.001373729	0.10083326	0.011001981	5.28863E-06	32.75393295	3.0558E-05	0.000152294	0.000263708	0.002061655
2067 Mar	340.5998535	0.289301872	0.419383436	0.008870655	85.72620392	0.055749308	115.0782089	0.000890323	0.000890323	4.73195E-06	0.005709806	0.00137382	0.100839868	0.011002742	5.28898E-06	32.75610733	3.056E-05	0.000152304	0.000263726	0.002061791
2067 Apr	340.6484985	0.289343178	0.41944328	0.00887192	85.73844147	0.055757269	115.094635	0.00089045	0.00089045	4.73263E-06	0.005710622	0.001374017	0.100854255	0.011004334	5.28973E-06	32.76080322	3.05644E-05	0.000152326	0.000263764	0.002062086
2067 May	340.821228	0.289405107	0.419473171	0.008872912	85.75772858	0.055776592	115.1500397	0.000891232	0.000891232	4.73666E-06	0.005716766	0.001375874	0.100901805	0.011037716	5.29397E-06	32.79802704	3.05907E-05	0.000152701	0.000264332	0.002063605
2067 Jun	339.6562805	0.287973791	0.417199671	0.008828057	85.34638977	0.055564206	114.7820511	0.00088951	0.00088951	4.72707E-06	0.00571153	0.001375328	0.100574799	0.011086019	5.2825E-06	32.75733566	3.05382E-05	0.000153186	0.000264782	0.00205856
2067 Jul	341.6299438	0.28887704	0.418508142	0.008855881	85.61450958	0.055750806	115.588295	0.00089251	0.00089251	4.74395E-06	0.005738657	0.001383644	0.101241611	0.01112863	5.30279E-06	32.96021271	3.07207E-05	0.000153877	0.000266104	0.002069579
2067 Aug	343.4646301	0.289259732	0.419064552	0.008867295	85.72721863	0.055845544	116.4212723	0.000893823	0.000893823	4.75244E-06	0.005758563	0.001391533	0.101913646	0.011154136	5.31457E-06	33.15522766	3.08855E-05	0.000154348	0.000267185	0.002079236
2067 Sep	344.771698	0.289316952	0.419109613	0.008867844	85.73641968	0.055868827	117.0575638	0.000893962	0.000893962	4.75459E-06	0.005770995	0.001397149	0.102418311	0.011165039	5.3191E-06	33.29829788	3.10042E-05	0.000154634	0.000267878	0.00208574
2067 Oct	345.6368408	0.288666576	0.418030441	0.008844801	85.52064514	0.055765525	117.60923	0.00089209	0.00089209	4.74645E-06	0.005776191	0.001401435	0.102831908	0.011156519	5.31266E-06	33.40921021	3.10901E-05	0.000154679	0.000268152	0.002089365
2067 Nov	346.1323547	0.288591176	0.41789037	0.008841652	85.49172974	0.055753451	117.868866	0.000891834	0.000891834	4.74574E-06	0.00578026	0.001403603	0.103032015	0.011157942	5.31286E-06	33.4653511	3.11356E-05	0.000154756	0.000268379	0.002091664
2067 Dec	346.2449951	0.288604379	0.417909682	0.008842001	85.49517059	0.05575534	117.922142	0.00089185	0.00089185	4.74594E-06	0.005781204	0.001404054	0.10307382	0.011158726	5.31325E-06	33.47719955	3.11455E-05	0.000154777	0.000268437	0.002092205
2068 Jan	346.3174438	0.288608015	0.417915136	0.008842073	85.49594879	0.055755537	117.9572601	0.000891843	0.000891843	4.74599E-06	0.005781748	0.001404345	0.103101157	0.011159102	5.31343E-06	33.48488998	3.11518E-05	0.000154789	0.000268474	0.002092544
2068 Feb	346.3327942	0.28861323	0.417922586	0.008842227	85.49746704	0.055756476	117.9638443	0.000891858	0.000891858	4.74608E-06	0.00578192	0.001404409	0.103106461	0.011159408	5.31354E-06	33.48651505	3.11532E-05	0.000154794	0.000268484	0.002092625
2068 Mar	346.3738098	0.288647383	0.417971969	0.008843272	85.50758362	0.055763073	117.9777832	0.000891964	0.000891964	4.74664E-06	0.005782607	0.001404577	0.103118643	0.011160773	5.31417E-06	33.49050903	3.11569E-05	0.000154813	0.000268517	0.002092873
2068 Apr	346.5369568	0.288783401	0.418168813	0.008847437	85.54786682	0.05578934	118.0333405	0.000892384	0.000892384	4.74888E-06	0.005785332	0.001405239	0.103167206	0.011166056	5.31668E-06	33.50630188	3.11716E-05	0.000154886	0.000268644	0.00209386
2068 May	346.7819214	0.288719594	0.418009639	0.008844651	85.53025818	0.05578655	118.1468811	0.000892841	0.000892841	4.75139E-06	0.005791134	0.001407504	0.103253648	0.011198384	5.31956E-06	33.55496979	3.12054E-05	0.000155261	0.00026925	0.002095614
2068 Jun	343.6721191	0.284570605	0.411524177	0.00872639	84.36087036	0.055207271	117.3185349	0.000887301	0.000887301	4.72087E-06	0.005766615	0.001403281	0.102402389	0.011239052	5.28477E-06	33.41246414	3.10433E-05	0.000155636	0.000269138	0.002081409
2068 Jul	345.4481812	0.284773052	0.411800414	0.008733847	84.42651367	0.055284481	118.152771	0.000888801	0.000888801	4.73022E-06	0.005788989	0.00141138	0.103064321	0.011266435	5.29738E-06	33.60963058	3.12181E-05	0.000156183	0.000270227	0.002090976
2068 Aug	347.2794189	0.285636008	0.413045973	0.008760042	84.68112946	0.055460095	118.8969574	0.000891511	0.000891511	4.74552E-06	0.005813227	0.001419014	0.103681296	0.011305848	5.31583E-06	33.7970047	3.13826E-05	0.000156806	0.000271451	0.002101165
2068 Sep	348.3796692	0.285568327	0.41288501	0.008756476	84.65139008	0.055465523	119.4542236	0.000891392	0.000891392	4.7462E-06	0.005823972	0.001423932	0.10412214	0.011313849	5.31856E-06	33.92131424	3.14854E-05	0.000157044	0.00027202	0.002106658
2068 Oct	349.3171082	0.285541445	0.412806392	0.00875452	84.63476563	0.055464067	119.9232788	0.000891254	0.000891254	4.74657E-06	0.005832279	0.001427936	0.104488365	0.011319274	5.32062E-06	34.02476883	3.15709E-05	0.000157216	0.000272487	0.002111168
2068 Nov	349.5596619	0.285594404	0.41288057	0.00875601	84.64938354	0.055473793	120.0333862	0.00089139	0.00089139	4.7475E-06	0.005834749	0.001428929	0.104576029	0.011322147	5.32197E-06	34.05022812	3.15925E-05	0.000157274	0.000272624	0.002112393
2068 Dec	349.6022644	0.285604745	0.412895262	0.008756307	84.65227509	0.055475648	120.052536	0.000891416	0.000891416	4.74767E-06	0.005835184	0.001429102	0.104591295	0.01132267	5.32222E-06	34.05467606	3.15963E-05	0.000157285	0.000272649	0.002112609
2069 Jan	349.6616211	0.285605758	0.412896901	0.008756313	84.6523819	0.055475492	120.0816193	0.000891407	0.000891407	4.74769E-06	0.005835616	0.00142934	0.104613885	0.011322926	5.32234E-06	34.06100845	3.16015E-05	0.000157294	0.000272678	0.002112885
2069 Feb	349.6860046	0.285608649	0.412901074	0.008756392	84.6531601	0.055475917	120.0930939	0.000891412	0.000891412	4.74774E-06	0.005835824	0.001429439	0.1046229	0.011323155	5.32244E-06	34.06359863	3.16036E-05	0.000157299	0.000272692	0.002113004
2069 Mar	349.6922913	0.285610735	0.412904084	0.008756452	84.65377045	0.0554763	120.0958023	0.000891418	0.000891418	4.74778E-06	0.005835894	0.001429466	0.104625084	0.011323277	5.32249E-06	34.0642662	3.16042E-05	0.000157301	0.000272696	0.002113038
2069 Apr	349.7337646	0.285644293	0.412952542	0.008757479	84.66371155	0.055482816	120.1100922	0.000891523	0.000891523	4.74834E-06	0.005836583	0.001429636	0.104637511	0.011324626	5.32311E-06	34.06832123	3.16079E-05	0.00015732	0.000272729	0.002113288
2069 May	350.1569214	0.285947889	0.413386285	0.008766692	84.75373077	0.05554245	120.2614975	0.000892515	0.000892515	4.75366E-06	0.005843543	0.001431467	0.104767524	0.011339623	5.32913E-06	34.11179733	3.16471E-05	0.000157525	0.000273086	0.002115834
2069 Jun	348.549469	0.284125417	0.410620809	0.008713543	84.2353363	0.055292133	119.7540665	0.000890714	0.000890714	4.74331E-06	0.005838833	0.001428761	0.104328245	0.011345546	5.31631E-06	34.01065826	3.15786E-05	0.00015768	0.000272621	0.002108209
2069 Jul	349.7989502	0.284355789	0.41092819	0.008722351	84.31237793	0.055379532	120.322937	0.000892544	0.000892544	4.75371E-06	0.005858955	0.001434792	0.104785815	0.011373386	5.32906E-06	34.15246964	3.17123E-05	0.000158201	0.000273489	0.00211546
2069 Aug	351.3673706	0.284749836	0.411487073	0.008734101	84.42890167	0.05547677	121.0223846	0.000893934	0.000893934	4.76229E-06	0.005877193	0.001441551	0.105355941	0.011398393	5.34046E-06	34.31938934	3.18545E-05	0.000158657	0.000274452	0.002123893
2069 Sep	351.7690735	0.284085155	0.410399467	0.008711764	84.21833801	0.055386785	121.3463821	0.000892327	0.000892327	4.75495E-06	0.005879337	0.001444056	0.105596289	0.011389522	5.33409E-06	34.38199234	3.19004E-05	0.000158659	0.00027453	0.002125589
2069 Oct	351.3983459	0.282862335	0.408356369	0.008672221	83.832901	0.055218894	121.3995819	0.000889881	0.000889881	4.74265E-06	0.005876259	0.00144428	0.105590045	0.011372793	5.32151E-06	34.38258362	3.189E-05	0.000158509	0.000274156	0.00212354
2069 Nov	351.4858704	0.282708049	0.408064246	0.008667107	83.78148651	0.055204883	121.4737473	0.000889771	0.000889771	4.74221E-06	0.005878516	0.001445073	0.105639093	0.011374836	5.32129E-06	34.40042114	3.19034E-05	0.000158554	0.000274204	0.002124096
2069 Dec	351.5516357	0.282712817	0.408070862	0.00866722	83.78263092	0.055205539	121.5053177	0.000889776	0.000889776	4.74231E-06	0.005879061	0.001445339	0.105663791	0.011375255	5.3215E-06	34.40740967	3.19092E-05	0.000158566	0.000274237	0.002124411
2070 Jan	351.5617981	0.282712817	0.408070564	0.008667211	83.78256989	0.055205502	121.5103073	0.000889775	0.000889775	4.74231E-06	0.005879144	0.001445383	0.105667658	0.011375363	5.32152E-06	34.40854263	3.19101E-05	0.000158568	0.000274243	0.002124459
2070 Feb	351.5651855	0.282712907	0.408070505	0.008667209	83.78257751	0.055205494	121.5119247	0.000889775	0.000889775	4.74232E-06	0.005879174	0.001445399	0.105668902	0.011375458	5.32153E-06	34.40895844	3.19104E-05	0.00015857	0.000274246	0.002124477
2070 Mar	351.5802612	0.282724708	0.408087522	0.008667569	83.78608704	0.055207796	121.5171661	0.000889813	0.000889813	4.74252E-06	0.005879424	0.001445463	0.105673447	0.011375979	5.32176E-06	34.41046524	3.19118E-05	0.000158577	0.000274259	0.002124568
2070 Apr	351.6704102	0.282796234	0.408190608	0.008669758	83.80728149	0.055221766	121.5484695	0.000890038	0.000890038	4.74372E-06	0.005880924	0.001445836	0.105700612	0.011378939	5.32311E-06	34.41934967	3.192E-05	0.000158618	0.00027433	0.002125113
2070 May	351.6932068	0.282757163	0.408065081	0.008668551	83.80001068	0.055230953	121.552536	0.000890706	0.000890706	4.74701E-06	0.005885544	0.001447137	0.105698794	0.011408714	5.32642E-06	34.44307327	3.19346E-05	0.000158945	0.000274793	0.002125944
2070 Jun	349.9155273	0.280892998	0.405067921	0.00861563	83.28183746	0.05499246	120.9758224	0.000889234	0.000889234	4.73786E-06	0.005877388	0.001445128	0.105152056	0.011462431	5.31463E-06	34.36311722	3.18428E-05	0.000159452	0.000275111	0.002118724
2070 Jul	351.4186096	0.281476378	0.405906111	0.008633861	83.45738983	0.055125035	121.6058426	0.000891468	0.000891468	4.7505E-06	0.005898868	0.001451693	0.10567309	0.011495318	5.32993E-06	34.52137375	3.19869E-05	0.000160002	0.000276132	0.002127211
2070 Aug	352.9564209	0.281979859	0.4066284	0.008649192	83.60746765	0.055241413	122.269455	0.000893234	0.000893234	4.76088E-06	0.005917963	0.00145831	0.106217511	0.011523946	5.34303E-06	34.68328857	3.21266E-05	0.000160481	0.00027712	0.002135665
2070 Sep	353.4258118	0.281399876	0.405653268	0.008628871	83.4185257	0.055164505	122.6103745	0.000891835	0.000891835	4.75465E-06	0.005921695	0.001461073	0.106476769	0.011517699	5.33785E-06	34.75152206	3.21788E-05	0.000160513	0.000277245	0.00213777
2070 Oct	353.3963623	0.280774415	0.404592961	0.008607586	83.21577454	0.055077374	122.7151947	0.000890482	0.000890482	4.74806E-06	0.005921745	0.001461871	0.106540911	0.011509484	5.33139E-06	34.76858902	3.21879E-05	0.000160459	0.000277116	0.002137457
2070 Nov	353.6504211	0.280724287	0.404501379	0.008605873	83.19884491	0.055071909	122.8505707	0.000890394	0.000890394	4.74791E-06	0.005924017	0.001463018	0.106643841	0.011510691	5.33172E-06	34.7982254	3.2212E-05	0.000160506	0.000277241	0.002138692
2070 Dec	353.7126465	0.280725032	0.404502362	0.008605869	83.19883728	0.055071793	122.8811111	0.000890386	0.000890386	4.74794E-06	0.005924487	0.001463269	0.106667601	0.011510958	5.33186E-06	34.80487823	3.22175E-05	0.000160516	0.000277272	0.002138985
2071 Jan	353.7259216	0.280725092	0.404502243	0.008605863	83.19879913	0.055071753	122.8876038	0.000890385	0.000890385	4.74795E-06	0.005924592	0.001463324	0.106672637	0.01151106	5.33189E-06	34.80632782	3.22186E-05	0.000160518	0.000277279	0.002139048
2071 Feb	353.7262268	0.28072533	0.404502451	0.008605867	83.1988678	0.055071793	122.8876953	0.000890386	0.000890386	4.74795E-06	0.005924599	0.001463328	0.106672712	0.011511129	5.3319E-06	34.80639648	3.22187E-05	0.000160519	0.00027728	0.00213905
2071 Mar	353.7296753	0.280728042	0.404506296	0.008605949	83.19966888	0.055072326	122.8888626	0.000890395	0.000890395	4.748E-06	0.005924658	0.001463343	0.106673725	0.011511275	5.33195E-06	34.80675888	3.2219E-05	0.000160521	0.000277284	0.002139071
2071 Apr	353.7688293	0.280759156	0.404551059	0.008606901	83.20888519	0.055078425	122.9024658	0.000890494	0.000890494	4.74853E-06	0.005925316	0.001463506	0.106685534	0.011512568	5.33254E-06	34.81062317	3.22226E-05	0.000160539	0.000277315	0.002139309
2071 May	353.5029602	0.280438811	0.403998882	0.00859724	83.12028503	0.055039894	122.8127213	0.00089053	0.00089053	4.74841E-06	0.00592609	0.001463968	0.106598154	0.011540036	5.33199E-06	34.81274796	3.2215E-05	0.000160815	0.000277668	0.002138585
2071 Jun	350.4851074	0.27758041	0.399473816	0.008517661	82.32607269	0.054667935	121.8059082	0.000887782	0.000887782	4.73162E-06	0.005907423	0.00145839	0.105657965	0.011585156	5.31073E-06	34.63605881	3.20377E-05	0.000161173	0.000277444	0.002125433
2071 Jul	351.0223389	0.277625859	0.399498373	0.008521507	82.35179138	0.054725043	122.0620728	0.000889142	0.000889142	4.73891E-06	0.00591976	0.001461523	0.105857901	0.011604667	5.31917E-06	34.705513	3.21067E-05	0.000161517	0.000277922	0.002129146
2071 Aug	352.2771301	0.278226972	0.400354862	0.008539828	82.53072357	0.05485744	122.5692596	0.000891197	0.000891197	4.75038E-06	0.005937609	0.001466922	0.106283337	0.011634886	5.33284E-06	34.83590317	3.22219E-05	0.00016199	0.000278802	0.002136358
2071 Sep	352.8641663	0.277817816	0.399678916	0.008525762	82.40061188	0.05481093	122.9332962	0.000890304	0.000890304	4.74675E-06	0.005942368	0.001469994	0.106566556	0.011632771	5.33043E-06	34.91205215	3.22802E-05	0.000162077	0.000279027	0.002139139
2071 Oct	353.0675049	0.277481049	0.399112642	0.008513941	82.2902832	0.05476268	123.0973434	0.000889459	0.000889459	4.74288E-06	0.005943774	0.001471261	0.106689058	0.011628055	5.32704E-06	34.94362259	3.23041E-05	0.000162071	0.000279055	0.002139981
2071 Nov	353.2415161	0.277362406	0.398876786	0.00850916	82.24600983	0.054749221	123.2054062	0.000889291	0.000889291	4.74228E-06	0.005946542	0.001472317	0.106771104	0.011629732	5.32675E-06	34.96830368	3.23235E-05	0.000162117	0.000279126	0.00214086
2071 Dec	353.2999268	0.277358383	0.398866653	0.008508945	82.24406433	0.054748811	123.2349396	0.000889286	0.000889286	4.74232E-06	0.005947113	0.001472576	0.106794015	0.011630162	5.32689E-06	34.97491074	3.23289E-05	0.000162129	0.000279155	0.002141142
2072 Jan	353.3025818	0.277359605	0.398867995	0.008508975	82.2443924	0.054749083	123.2359848	0.000889292	0.000889292	4.74235E-06	0.005947162	0.00147259	0.106794879	0.01163031	5.32693E-06	34.97524643	3.23292E-05	0.000162131	0.000279158	0.002141159
2072 Feb	353.3039856	0.277360767	0.398869455	0.008509006	82.24472046	0.054749299	123.2364349	0.000889296	0.000889296	4.74237E-06	0.005947191	0.001472599	0.106795251	0.011630455	5.32695E-06	34.97544861	3.23293E-05	0.000162132	0.000279161	0.002141169
2072 Mar	353.3078003	0.277363747	0.398873657	0.008509096	82.2456131	0.054749891	123.2377319	0.000889306	0.000889306	4.74243E-06	0.005947258	0.001472617	0.106796376	0.011630635	5.32701E-06	34.97586441	3.23297E-05	0.000162134	0.000279165	0.002141193
2072 Apr	353.3760986	0.277417362	0.398950666	0.00851074	82.26151276	0.054760471	123.2615356	0.000889479	0.000889479	4.74334E-06	0.005948409	0.001472903	0.106817	0.011632912	5.32804E-06	34.98263931	3.23359E-05	0.000162166	0.000279219	0.002141607
2072 May	353.7266235	0.277691394	0.399344653	0.008519144	82.34277344	0.054814588	123.3839874	0.000890358	0.000890358	4.74804E-06	0.005954305	0.001474366	0.106923066	0.011644475	5.33332E-06	35.01739883	3.2368E-05	0.000162327	0.000279497	0.002143731
2072 Jun	352.4966431	0.27654779	0.397630394	0.008488122	82.02442932	0.054679889	122.9621811	0.000889905	0.000889905	4.74464E-06	0.005953649	0.001471702	0.106564954	0.011637614	5.32806E-06	34.92475128	3.23166E-05	0.000162358	0.000278882	0.002138093
2072 Jul	353.2120667	0.276495457	0.397530049	0.008488245	82.01908875	0.054720055	123.3165359	0.000890995	0.000890995	4.75085E-06	0.005966852	0.001475701	0.106847987	0.011655414	5.3357E-06	35.01333237	3.24005E-05	0.000162691	0.000279396	0.002142497
2072 Aug	353.603363	0.276067764	0.396832973	0.00847555	81.89679718	0.054706164	123.5824585	0.000890847	0.000890847	4.75067E-06	0.005972547	0.001478572	0.107055105	0.011661565	5.33646E-06	35.075737	3.24423E-05	0.000162868	0.000279609	0.002144883
2072 Sep	353.6446228	0.275528252	0.395942777	0.008458945	81.73512268	0.054657765	123.7017517	0.000890185	0.000890185	4.74755E-06	0.005974175	0.001479851	0.107135564	0.011660322	5.33365E-06	35.10155106	3.2455E-05	0.000162922	0.000279592	0.002145293
2072 Oct	353.1334229	0.274474651	0.394194543	0.008427518	81.41712189	0.054527886	123.6578369	0.000888504	0.000888504	4.73877E-06	0.005970514	0.001479331	0.107045352	0.011648031	5.32441E-06	35.08459473	3.24318E-05	0.000162801	0.000279243	0.002142951
2072 Nov	353.3359985	0.274325371	0.393938303	0.008422998	81.37097931	0.054510787	123.7873535	0.000888293	0.000888293	4.73795E-06	0.005972482	0.001480424	0.107137345	0.011648394	5.32402E-06	35.11252594	3.24535E-05	0.000162839	0.000279338	0.002143967
2072 Dec	353.4501953	0.274323374	0.393935442	0.0084229	81.37007904	0.054509971	123.8439178	0.000888271	0.000888271	4.73797E-06	0.005973309	0.001480883	0.107181266	0.011648781	5.32425E-06	35.12475204	3.24636E-05	0.000162856	0.000279394	0.0021445
2073 Jan	353.4762573	0.274323195	0.393935025	0.008422883	81.36994171	0.054509848	123.8567505	0.000888268	0.000888268	4.73799E-06	0.005973506	0.00148099	0.107191242	0.011648933	5.3243E-06	35.12757492	3.24659E-05	0.00016286	0.000279407	0.002144623
2073 Feb	353.4783936	0.274324775	0.393937111	0.008422928	81.3704071	0.054510154	123.8574905	0.000888273	0.000888273	4.73802E-06	0.005973544	0.001481001	0.107191868	0.011649067	5.32434E-06	35.12783432	3.24661E-05	0.000162862	0.00027941	0.002144637
2073 Mar	353.4872742	0.274331659	0.393946946	0.008423137	81.37244415	0.054511521	123.8605728	0.000888296	0.000888296	4.73814E-06	0.005973696	0.001481039	0.107194535	0.011649395	5.32447E-06	35.1287384	3.24669E-05	0.000162866	0.000279417	0.002144692
2073 Apr	353.6409607	0.274449587	0.394116282	0.008426758	81.40742493	0.054534946	123.9146652	0.000888678	0.000888678	4.74018E-06	0.005976278	0.001481684	0.107241273	0.011654432	5.32677E-06	35.14403915	3.2481E-05	0.000162937	0.000279539	0.002145622
2073 May	354.9497986	0.274035394	0.393407404	0.00841377	81.28916168	0.054475475	124.6093445	0.000888518	0.000888518	4.74082E-06	0.005989367	0.00148894	0.107757546	0.011697842	5.32976E-06	35.32382202	3.26161E-05	0.00016356	0.00028083	0.002152413
2073 Jun	354.6311035	0.271881998	0.389976412	0.008352178	80.6860733	0.05418295	124.7982254	0.000886361	0.000886361	4.72989E-06	0.005991015	0.001493204	0.107788593	0.011758166	5.31884E-06	35.41047668	3.26581E-05	0.000164316	0.00028192	0.002151897
2073 Jul	355.4150085	0.272091925	0.390244395	0.008360545	80.75924683	0.054268662	125.1480408	0.000887932	0.000887932	4.73848E-06	0.006004951	0.001497179	0.108069815	0.011781653	5.32901E-06	35.50238419	3.27426E-05	0.000164697	0.000282556	0.00215695
2073 Aug	356.7315674	0.272551268	0.390897781	0.00837466	80.89739227	0.054378983	125.7100677	0.000889646	0.000889646	4.74837E-06	0.006022274	0.001502937	0.108534008	0.011808955	5.34126E-06	35.64188385	3.28638E-05	0.000165141	0.000283436	0.002164359
2073 Sep	357.56427	0.272327632	0.390517205	0.008366709	80.82514191	0.05435916	126.161232	0.000889171	0.000889171	4.74702E-06	0.006029478	0.001506774	0.108889312	0.011811163	5.34154E-06	35.73933029	3.29426E-05	0.00016529	0.00028383	0.002168445

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2073 Oct	358.0078735	0.271704346	0.389483511	0.008345038	80.62184143	0.054263171	126.4963608	0.000887549	0.000887549	4.73965E-06	0.006031738	0.001509262	0.109137706	0.011801131	5.33512E-06	35.80334473	3.29906E-05	0.000165264	0.000283894	0.002170185
2073 Nov	358.2752991	0.271589011	0.389286309	0.008340883	80.58304596	0.054245837	126.6495895	0.000887251	0.000887251	4.7385E-06	0.00603381	0.001510503	0.109254897	0.011800536	5.33448E-06	35.83545303	3.30162E-05	0.000165294	0.000284001	0.002171406
2073 Dec	358.4056091	0.271593511	0.389292747	0.008340986	80.58409119	0.054246355	126.7128448	0.000887252	0.000887252	4.73865E-06	0.006034845	0.001511029	0.109304316	0.011801254	5.33486E-06	35.84934998	3.30277E-05	0.000165317	0.000284067	0.002172029
2074 Jan	358.4923401	0.271590531	0.389288574	0.008340873	80.58303833	0.054245465	126.756012	0.000887232	0.000887232	4.73865E-06	0.006035456	0.001511378	0.109337784	0.011801545	5.33501E-06	35.85867691	3.30354E-05	0.00016533	0.000284109	0.002172433
2074 Feb	358.5256653	0.271589488	0.389287084	0.008340831	80.58267975	0.054245137	126.7725525	0.000887226	0.000887226	4.73865E-06	0.006035693	0.001511514	0.109350614	0.011801707	5.33507E-06	35.86228561	3.30383E-05	0.000165335	0.000284127	0.002172589
2074 Mar	358.5392151	0.271599293	0.389301032	0.008341131	80.58558655	0.054247092	126.7774124	0.000887258	0.000887258	4.73882E-06	0.006035917	0.001511572	0.109354779	0.011802172	5.33527E-06	35.86366653	3.30395E-05	0.000165341	0.000284138	0.002172671
2074 Apr	358.6665955	0.271695822	0.389439344	0.008344093	80.61421967	0.054266367	126.8224411	0.000887573	0.000887573	4.74051E-06	0.006038063	0.00151211	0.109393612	0.011806387	5.33717E-06	35.8764267	3.30513E-05	0.0001654	0.000284239	0.002173444
2074 May	359.8989563	0.271026105	0.388307601	0.008323391	80.42447662	0.054171797	127.5150299	0.000887248	0.000887248	4.74025E-06	0.006051602	0.001519984	0.109895401	0.011864972	5.33916E-06	36.06736755	3.31892E-05	0.000166186	0.000285771	0.00218012
2074 Jun	358.5298462	0.267759532	0.383159459	0.008230114	79.50878143	0.053715061	127.3864059	0.00088301	0.00088301	4.71795E-06	0.006040371	0.001521562	0.109619312	0.011922115	5.31542E-06	36.0844574	3.31562E-05	0.000166829	0.000286574	0.002174451
2074 Jul	359.7711182	0.268283606	0.38388887	0.008247443	79.6714859	0.053850427	127.9006042	0.000885404	0.000885404	4.73107E-06	0.00606074	0.0015273	0.110042982	0.011956927	5.33081E-06	36.21986771	3.32808E-05	0.00016738	0.00028752	0.002181948
2074 Aug	361.6568604	0.26906985	0.385011941	0.008271488	79.90505219	0.054015554	128.6838684	0.000888022	0.000888022	4.74599E-06	0.006085499	0.001535259	0.110688262	0.011997179	5.34902E-06	36.4161377	3.34531E-05	0.000168027	0.000288799	0.002192448
2074 Sep	363.3788452	0.268645316	0.384316474	0.008256658	79.76784515	0.053958531	129.6095428	0.000886872	0.000886872	4.74234E-06	0.006098193	0.001542775	0.111407943	0.011997439	5.34863E-06	36.61232758	3.36118E-05	0.000168262	0.000289569	0.002200534
2074 Oct	364.9831543	0.268219858	0.38360706	0.008241482	79.6259613	0.053890437	130.4781189	0.000885649	0.000885649	4.73817E-06	0.006109736	0.00154973	0.112076424	0.011996198	5.34744E-06	36.79532242	3.37596E-05	0.000168452	0.000290257	0.002207898
2074 Nov	366.6833191	0.268109739	0.383442104	0.008237533	79.58882904	0.053865641	131.3343048	0.000885131	0.000885131	4.7375E-06	0.00612158	0.001556601	0.112739936	0.011999862	5.34984E-06	36.97875214	3.39099E-05	0.000168687	0.000291064	0.002215794
2074 Dec	366.9848022	0.268102199	0.383431941	0.008237236	79.58604431	0.053863194	131.4838715	0.000885072	0.000885072	4.73755E-06	0.006123736	0.00155781	0.112856105	0.012000813	5.35043E-06	37.01102448	3.39365E-05	0.000168731	0.00029121	0.002217204
2075 Jan	367.0411987	0.268100679	0.383429736	0.008237176	79.585495	0.053862736	131.5118408	0.000885062	0.000885062	4.73756E-06	0.006124145	0.001558039	0.112877816	0.012001048	5.35054E-06	37.01710129	3.39415E-05	0.00016874	0.000291239	0.00221747
2075 Feb	367.0681152	0.268102378	0.38343212	0.00823722	79.58596039	0.053863	131.5247192	0.000885066	0.000885066	4.73761E-06	0.00612437	0.00155815	0.112887904	0.012001292	5.35064E-06	37.02000046	3.39438E-05	0.000168746	0.000291254	0.002217601
2075 Mar	367.099884	0.268119693	0.383456796	0.00823775	79.59108734	0.05386645	131.5371552	0.000885122	0.000885122	4.73792E-06	0.006124828	0.001558284	0.112898253	0.012002136	5.351E-06	37.02327728	3.39468E-05	0.000168758	0.000291277	0.002217783
2075 Apr	367.2327576	0.268204153	0.383577615	0.008240341	79.61613464	0.05388337	131.5870514	0.0008854	0.0008854	4.73942E-06	0.006126887	0.001558845	0.112940416	0.012006009	5.35273E-06	37.03679657	3.3959E-05	0.000168814	0.000291378	0.002218563
2075 May	368.9112549	0.268263012	0.383641332	0.008241518	79.63192749	0.053893618	132.3929596	0.000885695	0.000885695	4.74272E-06	0.006141916	0.001566099	0.113571085	0.012028433	5.35898E-06	37.22392273	3.41119E-05	0.000169242	0.000292435	0.002226862
2075 Jun	366.7281494	0.266320139	0.380763978	0.008187709	79.08537292	0.053633951	131.6427917	0.000883733	0.000883733	4.73094E-06	0.006131779	0.001560159	0.112930194	0.011998076	5.34386E-06	37.04441833	3.39937E-05	0.000169005	0.000291139	0.002216057
2075 Jul	366.6419678	0.265903533	0.380105674	0.008178609	78.98090363	0.053629104	131.6688843	0.000884593	0.000884593	4.73515E-06	0.006140414	0.001561441	0.112937495	0.01200951	5.34822E-06	37.05952072	3.4023E-05	0.000169257	0.000291246	0.002216681
2075 Aug	367.8492737	0.266247243	0.380587548	0.008189162	79.08503723	0.053719744	132.1979218	0.000885985	0.000885985	4.74335E-06	0.006155928	0.001566788	0.113373153	0.012033059	5.35862E-06	37.18926239	3.41348E-05	0.000169655	0.000292042	0.002223443
2075 Sep	368.8453979	0.266344994	0.380699933	0.008191636	79.11148071	0.053752139	132.6703796	0.000886405	0.000886405	4.74654E-06	0.006166484	0.001571088	0.113752343	0.012044559	5.36364E-06	37.29801178	3.42269E-05	0.000169908	0.000292615	0.002228633
2075 Oct	369.3421631	0.266132504	0.380328774	0.008183882	79.03961945	0.05372338	132.9548492	0.000885895	0.000885895	4.74462E-06	0.006170753	0.001573436	0.113971837	0.012044064	5.36269E-06	37.35812759	3.42754E-05	0.000169973	0.00029282	0.002230974
2075 Nov	369.7471008	0.266132921	0.380316585	0.008183608	79.0375061	0.053725	133.1539154	0.000885911	0.000885911	4.74516E-06	0.006174412	0.001575145	0.11412771	0.012046923	5.36394E-06	37.40242767	3.43122E-05	0.000170051	0.000293029	0.002232954
2075 Dec	369.8504333	0.266134799	0.380318493	0.008183631	79.03778076	0.053725254	133.2043457	0.000885912	0.000885912	4.74527E-06	0.006175253	0.001575566	0.114167079	0.012047514	5.36424E-06	37.41352463	3.43214E-05	0.000170069	0.000293081	0.002233449
2076 Jan	369.8673096	0.266135365	0.380319029	0.00818364	79.0378952	0.053725351	133.2125092	0.000885913	0.000885913	4.7453E-06	0.006175399	0.001575638	0.114173464	0.012047689	5.3643E-06	37.4153862	3.43229E-05	0.000170073	0.000293091	0.002233532
2076 Feb	369.8757935	0.266141504	0.380327553	0.008183824	79.039711	0.053726576	133.2154999	0.000885935	0.000885935	4.74541E-06	0.006175545	0.001575677	0.11417602	0.012048054	5.36443E-06	37.4162941	3.43237E-05	0.000170078	0.000293099	0.002233585
2076 Mar	369.8989868	0.266158193	0.380351365	0.008184336	79.04467773	0.053729948	133.2238312	0.000885991	0.000885991	4.74571E-06	0.006175935	0.001575777	0.114183158	0.012048856	5.36477E-06	37.41867447	3.43258E-05	0.000170089	0.000293118	0.002233725
2076 Apr	369.9674683	0.266207457	0.380421698	0.00818585	79.05931091	0.053739894	133.2484741	0.000886155	0.000886155	4.74659E-06	0.006177079	0.00157607	0.11420428	0.012051114	5.36576E-06	37.42561722	3.43322E-05	0.00017012	0.000293173	0.002234139
2076 May	370.0479431	0.266230702	0.380394995	0.008185679	79.06733704	0.053751837	133.2650909	0.000886836	0.000886836	4.75003E-06	0.006182141	0.001577559	0.114220127	0.012083055	5.36924E-06	37.45355606	3.43503E-05	0.000170469	0.000293685	0.002235169
2076 Jun	367.0378418	0.263851225	0.376646489	0.008115346	78.39620209	0.053409811	132.1552277	0.000884045	0.000884045	4.73312E-06	0.006161773	0.00157122	0.11325337	0.012131206	5.34747E-06	37.25660706	3.41574E-05	0.0001708	0.000293473	0.002221449
2076 Jul	367.4376526	0.263859898	0.376609981	0.008118297	78.41314697	0.053466469	132.3522186	0.000885362	0.000885362	4.74004E-06	0.006172739	0.001573868	0.113404326	0.012150435	5.35534E-06	37.31326294	3.42138E-05	0.000171119	0.000293898	0.002224595
2076 Aug	368.9023438	0.26444301	0.377433002	0.008136178	78.58760071	0.053600501	132.9640656	0.000887507	0.000887507	4.7522E-06	0.006192905	0.001580262	0.113911353	0.012183933	5.37009E-06	37.46827316	3.43493E-05	0.000171653	0.000294913	0.002232918
2076 Sep	370.0289917	0.264530867	0.377527416	0.008138281	78.61050415	0.053631067	133.502243	0.000887905	0.000887905	4.75543E-06	0.006204509	0.001585107	0.114341401	0.012196016	5.37538E-06	37.591362	3.44532E-05	0.000171926	0.00029555	0.002238727
2076 Oct	370.4120789	0.264000535	0.376659334	0.008120026	78.43920898	0.053548332	133.789978	0.000886477	0.000886477	4.74892E-06	0.006205928	0.001587148	0.114555709	0.012185893	5.36972E-06	37.64502335	3.44935E-05	0.000171886	0.000295594	0.002240206
2076 Nov	370.8554688	0.263900548	0.376492083	0.008116456	78.40582275	0.053532325	134.0264893	0.000886193	0.000886193	4.74804E-06	0.006209176	0.001589051	0.114738129	0.012185952	5.36965E-06	37.69513702	3.45341E-05	0.000171941	0.000295789	0.002242258
2076 Dec	371.0197144	0.263899654	0.376490742	0.008116395	78.40528107	0.053531792	134.1072998	0.000886178	0.000886178	4.74814E-06	0.006210417	0.001589713	0.114801079	0.012186661	5.37005E-06	37.71273041	3.45487E-05	0.000171967	0.00029587	0.002243036
2077 Jan	371.0502625	0.26389882	0.376489341	0.008116361	78.40496826	0.053531565	134.1224518	0.000886173	0.000886173	4.74815E-06	0.006210645	0.001589838	0.114812829	0.012186821	5.37011E-06	37.71604156	3.45514E-05	0.000171972	0.000295886	0.002243181
2077 Feb	371.0532227	0.263900876	0.376492143	0.00811642	78.40558624	0.053531975	134.1234741	0.000886181	0.000886181	4.74819E-06	0.006210697	0.001589853	0.114813715	0.012186982	5.37016E-06	37.71638489	3.45516E-05	0.000171974	0.00029589	0.002243199
2077 Mar	371.0620117	0.263906986	0.376500785	0.008116608	78.40740204	0.053533211	134.1266785	0.000886201	0.000886201	4.74831E-06	0.006210844	0.001589892	0.114816427	0.012187299	5.37028E-06	37.71730423	3.45525E-05	0.000171979	0.000295897	0.002243252
2077 Apr	371.1453552	0.263966262	0.376585275	0.00811843	78.42501068	0.053545233	134.1567841	0.000886401	0.000886401	4.74937E-06	0.006212241	0.00159025	0.114842206	0.012190057	5.37149E-06	37.72578812	3.45602E-05	0.000172017	0.000295964	0.002243757
2077 May	371.2730713	0.263904542	0.376441717	0.008115886	78.40842438	0.053541847	134.2149353	0.000886764	0.000886764	4.7513E-06	0.006216364	0.001591804	0.114886552	0.012215974	5.3736E-06	37.75784302	3.45815E-05	0.00017231	0.000296423	0.002244855
2077 Jun	369.1737061	0.261546522	0.372756839	0.008046823	77.74349976	0.053201467	133.5601196	0.000883684	0.000883684	4.73397E-06	0.006200992	0.00158852	0.114272721	0.012252419	5.3531E-06	37.64791489	3.44639E-05	0.000172623	0.00029643	0.002235231
2077 Jul	370.6384277	0.262140691	0.373597264	0.008065619	77.92350006	0.053340673	134.1655731	0.000886231	0.000886231	4.7481E-06	0.006224057	0.001595128	0.114775158	0.012289977	5.36981E-06	37.80482101	3.46093E-05	0.000173235	0.000297489	0.002243711
2077 Aug	372.0837097	0.262755811	0.374463916	0.008084469	78.10753632	0.053481176	134.7622833	0.000888477	0.000888477	4.76073E-06	0.0062445	0.001601448	0.115271963	0.012324738	5.385E-06	37.95765305	3.47437E-05	0.000173784	0.000298513	0.002252005
2077 Sep	372.3571167	0.261932701	0.373152137	0.008057047	77.85051727	0.053365443	135.0467224	0.000886452	0.000886452	4.75125E-06	0.006243955	0.001603402	0.115484104	0.01230865	5.37627E-06	38.00669479	3.47747E-05	0.000173698	0.000298428	0.002252857
2077 Oct	373.1115112	0.261685282	0.372716755	0.008047954	77.7660141	0.05333101	135.4638824	0.000885866	0.000885866	4.74926E-06	0.006250358	0.001606848	0.115806051	0.012308922	5.37569E-06	38.09552765	3.48465E-05	0.000173801	0.000298749	0.002256411
2077 Nov	373.4584656	0.261706948	0.372745305	0.008048533	77.77176666	0.05333541	135.6303101	0.000885927	0.000885927	4.74994E-06	0.006253405	0.001608271	0.115936868	0.012311591	5.37699E-06	38.13270569	3.48776E-05	0.00017387	0.000298934	0.002258114
2077 Dec	373.5346069	0.261710852	0.37275058	0.008048636	77.77279663	0.05333611	135.6669922	0.000885937	0.000885937	4.75007E-06	0.006254049	0.001608581	0.115965612	0.012312122	5.37726E-06	38.14085388	3.48844E-05	0.000173884	0.000298974	0.002258484
2078 Jan	373.5558777	0.261712402	0.372752637	0.008048678	77.77322388	0.053336408	135.6771088	0.000885941	0.000885941	4.75012E-06	0.006254239	0.00160867	0.115973569	0.012312334	5.37735E-06	38.14315033	3.48863E-05	0.000173889	0.000298986	0.002258589
2078 Feb	373.5600586	0.261714756	0.372755855	0.008048748	77.77391815	0.053336881	135.6787262	0.00088595	0.00088595	4.75016E-06	0.006254305	0.001608689	0.115974903	0.012312504	5.3774E-06	38.14361954	3.48867E-05	0.000173891	0.00029899	0.002258615
2078 Mar	373.5665588	0.261719346	0.372762293	0.008048887	77.77527618	0.053337809	135.6810608	0.000885966	0.000885966	4.75025E-06	0.006254415	0.001608718	0.1159769	0.012312749	5.37749E-06	38.14430237	3.48873E-05	0.000173894	0.000298996	0.002258654
2078 Apr	373.7210693	0.261826873	0.372915447	0.008052194	77.80723572	0.053359721	135.7373047	0.00088633	0.00088633	4.7522E-06	0.006256993	0.001609384	0.116024934	0.012317831	5.37971E-06	38.1600914	3.49017E-05	0.000173966	0.00029912	0.002259587
2078 May	374.0766907	0.261027187	0.371574759	0.008027276	77.58098602	0.053242877	136.0143738	0.000885882	0.000885882	4.75038E-06	0.006263793	0.001614107	0.116199009	0.012379265	5.37855E-06	38.26551437	3.49651E-05	0.000174679	0.000300338	0.002262107
2078 Jun	371.9632568	0.258736938	0.367947757	0.007962168	76.9440155	0.052932374	135.3560181	0.000883173	0.000883173	4.73476E-06	0.006248031	0.001610816	0.115560792	0.012421214	5.35988E-06	38.15902328	3.48425E-05	0.00017502	0.000300441	0.002252905
2078 Jul	373.4570007	0.25943163	0.368929654	0.007983973	77.15400696	0.053091951	135.9606934	0.000885887	0.000885887	4.74973E-06	0.006270977	0.001617485	0.116064258	0.012461776	5.37749E-06	38.3178215	3.49856E-05	0.000175638	0.000301554	0.00226169
2078 Aug	374.8641357	0.259650558	0.369230807	0.007990818	77.2224884	0.053165995	136.60849	0.000887033	0.000887033	4.75696E-06	0.006287444	0.001623792	0.116590314	0.012484298	5.38731E-06	38.47167587	3.51157E-05	0.000176044	0.000302429	0.002269372
2078 Sep	376.4375	0.259669423	0.369226694	0.007990865	77.22579193	0.053187851	137.3764648	0.000887298	0.000887298	4.76005E-06	0.006302099	0.001630527	0.117198981	0.012497477	5.39327E-06	38.64426804	3.52584E-05	0.000176386	0.000303274	0.002277265
2078 Oct	377.7698975	0.259385049	0.368767083	0.007981007	77.13371277	0.053142581	138.0842133	0.000886439	0.000886439	4.75735E-06	0.006311321	0.001636137	0.117746904	0.012496575	5.39306E-06	38.7931633	3.53798E-05	0.000176543	0.000303862	0.002283441
2078 Nov	378.1542969	0.25935021	0.368703097	0.007979646	77.12123108	0.053138047	138.2795715	0.000886351	0.000886351	4.75735E-06	0.00631449	0.001637761	0.117899127	0.012498117	5.39376E-06	38.83565903	3.54148E-05	0.000176605	0.000304049	0.002285284
2078 Dec	378.2326355	0.259350985	0.368703932	0.007979655	77.12132263	0.053138122	138.3178711	0.00088635	0.00088635	4.75743E-06	0.006315115	0.00163808	0.117929019	0.012498541	5.39398E-06	38.84406281	3.54218E-05	0.000176619	0.000304089	0.00228566
2079 Jan	378.3119202	0.259346068	0.368696868	0.00797949	77.11975861	0.053136971	138.357666	0.000886328	0.000886328	4.75741E-06	0.006315661	0.001638399	0.117959864	0.012498752	5.39411E-06	38.85261536	3.54288E-05	0.00017663	0.000304127	0.00228603
2079 Feb	378.3283081	0.259345144	0.368695438	0.007979456	77.11946869	0.05313674	138.3658295	0.000886325	0.000886325	4.75741E-06	0.006315775	0.001638466	0.117966175	0.012498847	5.39414E-06	38.85441208	3.54302E-05	0.000176633	0.000304136	0.002286107
2079 Mar	378.352356	0.259355247	0.368709773	0.007979766	77.12247467	0.053138793	138.3757782	0.000886359	0.000886359	4.75761E-06	0.006316094	0.001638569	0.117974319	0.01249941	5.39437E-06	38.85694122	3.54324E-05	0.000176642	0.000304153	0.00228624
2079 Apr	378.4465942	0.259415686	0.368795663	0.007981624	77.14043427	0.053151164	138.4109955	0.000886565	0.000886565	4.75872E-06	0.006317613	0.001638976	0.118004128	0.012502369	5.39565E-06	38.86665726	3.54412E-05	0.000176684	0.000304227	0.002286802
2079 May	378.8010559	0.259638786	0.369105309	0.007988374	77.20692444	0.05319782	138.5418854	0.000887403	0.000887403	4.76321E-06	0.006323795	0.001640649	0.118115172	0.012517143	5.40073E-06	38.90565872	3.54757E-05	0.000176882	0.000304562	0.002288985
2079 Jun	376.1036377	0.257204354	0.365431696	0.00791793	76.51691437	0.052843936	137.6069946	0.000884307	0.000884307	4.74529E-06	0.006306584	0.001633995	0.117307521	0.012510166	5.37854E-06	38.704422	3.53169E-05	0.000176795	0.000303539	0.002275691
2079 Jul	376.2886353	0.256808162	0.364813149	0.007908868	76.41645813	0.05283441	137.7650452	0.000884838	0.000884838	4.74818E-06	0.006315017	0.001636105	0.117419146	0.01251911	5.38207E-06	38.74515152	3.53632E-05	0.000177024	0.000303746	0.002277439
2079 Aug	377.8992615	0.257300794	0.365507096	0.007924113	76.56507111	0.05295394	138.4633026	0.000886794	0.000886794	4.75958E-06	0.006335755	0.001643179	0.117990315	0.012551844	5.39634E-06	38.91760635	3.55121E-05	0.000177559	0.000304822	0.002286405
2079 Sep	378.6297302	0.25690347	0.364838064	0.007910194	76.43637085	0.052905597	138.8961639	0.00088588	0.00088588	4.75599E-06	0.006341668	0.001646715	0.118327603	0.012548986	5.39423E-06	39.00756836	3.55836E-05	0.000177645	0.0003051	0.002289878
2079 Oct	379.1786804	0.256552428	0.364244282	0.007897755	76.32015228	0.052853473	139.2317505	0.000884985	0.000884985	4.75227E-06	0.006345653	0.001649343	0.118583843	0.012544673	5.39159E-06	39.07571793	3.56375E-05	0.000177679	0.000305278	0.002292339
2079 Nov	379.2988892	0.256396115	0.36396724	0.007892146	76.26725006	0.052832145	139.320343	0.000884666	0.000884666	4.75087E-06	0.006347031	0.001650087	0.118649267	0.012543422	5.39043E-06	39.09389114	3.56512E-05	0.000177687	0.000305301	0.002292885
2079 Dec	379.3790894	0.256272316	0.363746345	0.007887782	76.22546387	0.052815229	139.3831482	0.000884441	0.000884441	4.74987E-06	0.006348078	0.001650627	0.118693963	0.012542692	5.38959E-06	39.10696793	3.56608E-05	0.000177694	0.000305314	0.002293249
2080 Jan	379.3922729	0.256270885	0.363743693	0.007887729	76.22499084	0.052814998	139.3898315	0.000884439	0.000884439	4.74987E-06	0.006348184	0.001650686	0.118699081	0.012542837	5.38962E-06	39.10848999	3.5662E-05	0.000177697	0.000305322	0.002293312
2080 Feb	379.3965759	0.256272286	0.363745391	0.007887768	76.22541046	0.052815277	139.3916321	0.000884445	0.000884445	4.7499E-06	0.006348243	0.001650709	0.118700527	0.012543052	5.38966E-06	39.10903549	3.56624E-05	0.000177699	0.000305327	0.002293338
2080 Mar	379.3989868	0.256273776	0.363747329	0.00788781	76.22584534	0.052815575	139.3925018	0.000884451	0.000884451	4.74993E-06	0.006348285	0.001650721	0.118701249	0.012543199	5.3897E-06	39.10932922	3.56627E-05	0.000177701	0.00030533	0.002293353
2080 Apr	379.4603271	0.256315231	0.363806069	0.007889084	76.23816681	0.052824114	139.4150085	0.000884594	0.000884594	4.7507E-06	0.006349314	0.001650989	0.11872042	0.012545268	5.39057E-06	39.11567688	3.56684E-05	0.00017773	0.00030538	0.002293725
2080 May	379.8599548	0.25657323	0.364171088	0.007897005	76.31496429	0.052877557	139.5636444	0.000885496	0.000885496	4.75556E-06	0.006355932	0.001652747	0.118846536	0.012558621	5.3961E-06	39.15735245	3.57062E-05	0.000177919	0.000305706	0.002296133
2080 Jun	378.1069641	0.255177051	0.362076879	0.007859991	75.92980194	0.052711833	138.9377899	0.00088469	0.00088469	4.74982E-06	0.006350163	0.001648117	0.118306331	0.012543072	5.38771E-06	39.01519012	3.56126E-05	0.000177818	0.000304771	0.002287951
2080 Jul	377.8383484	0.254605055	0.361196667	0.007846233	75.78110504	0.052683756	138.9029846	0.000885107	0.000885107	4.75167E-06	0.006355566	0.001648713	0.118261024	0.012548718	5.38945E-06	39.01275253	3.56236E-05	0.000177974	0.000304734	0.002287572
2080 Aug	378.8707886	0.254812151	0.361477196	0.007852753	75.84621429	0.052756593	139.3684235	0.000886277	0.000886277	4.75861E-06	0.006369231	0.001653535	0.11864417	0.012569638	5.3983E-06	39.12701797	3.57206E-05	0.000178322	0.000305418	0.002293458

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2080 Sep	379.4535828	0.254535854	0.361017048	0.00784333	75.759758	0.052733276	139.7032318	0.000885819	0.000885819	4.75709E-06	0.006374503	0.001656458	0.118909247	0.012570401	5.39795E-06	39.19915009	3.5776E-05	0.000178433	0.000305666	0.002296349
2080 Oct	380.108551	0.254181296	0.360416055	0.007830889	75.643013	0.052681889	140.0918427	0.000884944	0.000884944	4.75358E-06	0.006379415	0.001659536	0.119205996	0.012566964	5.39572E-06	39.27916336	3.58396E-05	0.000178489	0.000305903	0.002299348
2080 Nov	380.3675232	0.25390467	0.359934509	0.007821921	75.55451202	0.052647334	140.2726593	0.000884506	0.000884506	4.75173E-06	0.006382173	0.001661056	0.119333751	0.012566171	5.39442E-06	39.31740952	3.58687E-05	0.000178525	0.000305995	0.002300613
2080 Dec	380.5229187	0.253884405	0.359899312	0.007821235	75.54779816	0.052644361	140.3527679	0.000884464	0.000884464	4.7517E-06	0.006383413	0.001661716	0.119395241	0.01256673	5.39468E-06	39.33478928	3.58828E-05	0.00017855	0.00030607	0.002301351
2081 Jan	380.5374146	0.253885448	0.359900385	0.007821259	75.54805756	0.052644592	140.3596649	0.000884469	0.000884469	4.75174E-06	0.006383553	0.001661779	0.119400658	0.012566935	5.39474E-06	39.33640289	3.58841E-05	0.000178553	0.000306079	0.002301425
2081 Feb	380.539032	0.25388658	0.359901756	0.007821289	75.54838562	0.052644808	140.360199	0.000884474	0.000884474	4.75176E-06	0.006383585	0.001661789	0.119401097	0.012567086	5.39477E-06	39.33662796	3.58843E-05	0.000178555	0.000306082	0.002301436
2081 Mar	380.5469666	0.253891885	0.359909177	0.00782145	75.5499649	0.052645907	140.3630829	0.000884493	0.000884493	4.75187E-06	0.00638372	0.001661826	0.119403556	0.012567402	5.39488E-06	39.33748245	3.58851E-05	0.000178559	0.000306089	0.002301485
2081 Apr	380.6454773	0.253954321	0.359997481	0.007823369	75.56855011	0.05265886	140.3999786	0.000884711	0.000884711	4.75304E-06	0.006385334	0.001662258	0.119434781	0.012570622	5.39623E-06	39.34775543	3.58943E-05	0.000178605	0.000306168	0.002302076
2081 May	380.1256714	0.253585279	0.359321266	0.007811924	75.46826172	0.052618634	140.1806946	0.000885188	0.000885188	4.75479E-06	0.006387119	0.001662655	0.119239829	0.012620977	5.39702E-06	39.34013367	3.58729E-05	0.000179094	0.000306761	0.002300589
2081 Jun	378.1643066	0.252054751	0.356875509	0.007768822	75.04666901	0.052422825	139.4685059	0.000883768	0.000883768	4.74565E-06	0.006374585	0.001658657	0.118598454	0.012655962	5.38488E-06	39.21697617	3.57485E-05	0.000179347	0.000306692	0.002292153
2081 Jul	379.6200562	0.252828598	0.357959896	0.007793275	75.28075409	0.052598689	140.0414429	0.000886807	0.000886807	4.76215E-06	0.006398563	0.00166522	0.11907649	0.012700726	5.40395E-06	39.37250137	3.58902E-05	0.000180015	0.000307842	0.002300933
2081 Aug	381.2774048	0.253586322	0.359027892	0.007816605	75.50733948	0.052765682	140.7158356	0.000889555	0.000889555	4.77746E-06	0.006422576	0.001672454	0.119637005	0.01274311	5.42216E-06	39.5475502	3.60453E-05	0.000180667	0.000309051	0.002310493
2081 Sep	382.4388733	0.253542751	0.358927608	0.007814697	75.49219513	0.052777972	141.2933197	0.000889657	0.000889657	4.7793E-06	0.006433638	0.001677536	0.120096378	0.012752341	5.42617E-06	39.67691803	3.61522E-05	0.000180923	0.000309671	0.002316381
2081 Oct	383.4299316	0.253406435	0.358692497	0.007809722	75.44647217	0.052760202	141.8057251	0.000889293	0.000889293	4.77865E-06	0.006441506	0.001681736	0.120496236	0.012754801	5.42735E-06	39.78712463	3.6243E-05	0.000180172	0.000310141	0.002321127
2081 Nov	383.8659973	0.25316757	0.358304262	0.007801493	75.36910248	0.052721072	142.0643463	0.000888616	0.000888616	4.77584E-06	0.00644394	0.001683674	0.120693125	0.012750728	5.42539E-06	39.83887482	3.62838E-05	0.000181087	0.000310282	0.002323018
2081 Dec	383.9510498	0.253148168	0.358268529	0.007800751	75.36219025	0.052718308	142.1096802	0.000888576	0.000888576	4.77574E-06	0.006444697	0.001684055	0.120728098	0.01275097	5.42545E-06	39.84869385	3.62918E-05	0.0001811	0.00031032	0.00232342
2082 Jan	383.9698181	0.253147215	0.358266741	0.007800712	75.36185455	0.052718118	142.1190186	0.000888574	0.000888574	4.77575E-06	0.006444845	0.001684135	0.12073534	0.012751129	5.42549E-06	39.85078812	3.62935E-05	0.000181104	0.00031033	0.002323511
2082 Feb	383.9755554	0.253149599	0.35826984	0.007800781	75.36255646	0.052718598	142.1213379	0.000888583	0.000888583	4.7758E-06	0.006444927	0.001684163	0.120737232	0.012751373	5.42555E-06	39.85146332	3.6294E-05	0.000181107	0.000310336	0.002323544
2082 Mar	383.9894714	0.253158748	0.358282655	0.007801059	75.36527252	0.052720495	142.1264648	0.000888615	0.000888615	4.77598E-06	0.006445163	0.001684226	0.120741576	0.012751894	5.42575E-06	39.85294724	3.62953E-05	0.000181114	0.000310348	0.002323629
2082 Apr	384.0612793	0.253206104	0.358349562	0.007802516	75.37937164	0.052730348	142.1530151	0.000888782	0.000888782	4.77687E-06	0.00644637	0.001684542	0.120764136	0.012754315	5.42677E-06	39.86042023	3.63021E-05	0.000181148	0.000310407	0.002324064
2082 May	384.4111633	0.253434539	0.358672708	0.007809553	75.44739532	0.052778028	142.2828979	0.000889585	0.000889585	4.78119E-06	0.006452227	0.001686079	0.120874427	0.012765929	5.43168E-06	39.89680481	3.63352E-05	0.000181313	0.00031069	0.002326181
2082 Jun	384.0448914	0.25123921	0.355482489	0.007746981	74.82138824	0.052449655	142.4637146	0.000886412	0.000886412	4.76552E-06	0.006452001	0.001687059	0.120961152	0.012725935	5.41589E-06	39.90608215	3.63755E-05	0.000181192	0.000310076	0.002323196
2082 Jul	383.2559204	0.250142872	0.35383746	0.007718401	74.52313232	0.052337825	142.2631226	0.000885957	0.000885957	4.76256E-06	0.006453075	0.00168598	0.120768011	0.012717854	5.41202E-06	39.8586998	3.63562E-05	0.000181226	0.000309657	0.00231992
2082 Aug	384.5141907	0.250629008	0.354512155	0.007733383	74.66965485	0.052458636	142.7898254	0.000887943	0.000887943	4.77372E-06	0.006471436	0.001691665	0.121206351	0.012749494	5.42542E-06	39.99441147	3.64748E-05	0.000181723	0.000310562	0.002327231
2082 Sep	385.1529846	0.250704557	0.354579389	0.007735148	74.68946838	0.052492309	143.0897369	0.000888441	0.000888441	4.77691E-06	0.006479854	0.00169464	0.121451743	0.012760567	5.42981E-06	40.06662369	3.65363E-05	0.000181934	0.000310964	0.002330791
2082 Oct	385.0738525	0.249963135	0.353387386	0.007709927	74.45244598	0.052371509	143.1902466	0.000886328	0.000886328	4.76657E-06	0.006475689	0.001694782	0.121515758	0.012739708	5.41953E-06	40.07266235	3.6535E-05	0.000181728	0.000310673	0.002329783
2082 Nov	385.5209045	0.249948755	0.353356928	0.007709284	74.44663239	0.052370068	143.412262	0.000886299	0.000886299	4.76693E-06	0.006479412	0.001696641	0.121689126	0.012742099	5.4207E-06	40.12140274	3.65753E-05	0.000181805	0.000310898	0.002331942
2082 Dec	385.6881409	0.249946028	0.353352815	0.007709179	74.44564819	0.052369356	143.494751	0.000886284	0.000886284	4.76704E-06	0.006480681	0.001697317	0.121753387	0.012742826	5.42111E-06	40.13935852	3.65901E-05	0.000181832	0.000310982	0.002332737
2083 Jan	385.7046204	0.249947011	0.353353977	0.007709205	74.44591522	0.052369568	143.5026398	0.000886288	0.000886288	4.76708E-06	0.006480832	0.001697387	0.121759571	0.012743009	5.42118E-06	40.14116287	3.65916E-05	0.000181836	0.000310992	0.00233282
2083 Feb	385.7133789	0.249952689	0.353361815	0.007709377	74.44760132	0.052370746	143.5058746	0.000886309	0.000886309	4.76719E-06	0.006480982	0.001697427	0.121762305	0.01274336	5.4213E-06	40.14211655	3.65924E-05	0.000181841	0.000311	0.002332873
2083 Mar	385.7329712	0.249965414	0.353379756	0.007709768	74.45139313	0.052373409	143.5131378	0.000886354	0.000886354	4.76743E-06	0.006481313	0.001697515	0.121768475	0.012744043	5.42158E-06	40.1441803	3.65943E-05	0.00018185	0.000311016	0.002332993
2083 Apr	385.8343811	0.250031114	0.35347259	0.007711793	74.47097015	0.052387174	143.5508575	0.000886588	0.000886588	4.76869E-06	0.006483018	0.001697962	0.121800475	0.012747413	5.423E-06	40.15474319	3.66039E-05	0.000181898	0.000311098	0.002333606
2083 May	387.3885803	0.24978976	0.353034526	0.007703297	74.40158081	0.052350186	144.3294373	0.000886719	0.000886719	4.77105E-06	0.006498526	0.001705955	0.122397862	0.0127931	5.42807E-06	40.35383606	3.67573E-05	0.00018256	0.000312504	0.002341597
2083 Jun	386.152832	0.247203827	0.348975778	0.007628021	73.67558289	0.051973347	144.1380157	0.000883294	0.000883294	4.7529E-06	0.006488441	0.001706709	0.122117169	0.012843443	5.40837E-06	40.35219193	3.67181E-05	0.000183101	0.000313152	0.00233619
2083 Jul	386.8504944	0.24723421	0.348976701	0.007631166	73.69795227	0.052034386	144.4742126	0.000884645	0.000884645	4.76034E-06	0.006501945	0.001710612	0.12238232	0.012865239	5.41727E-06	40.44003677	3.67999E-05	0.000183472	0.000313732	0.002340785
2083 Aug	387.9862671	0.247279391	0.349027842	0.007633002	73.71731567	0.052087709	145.0160522	0.000885571	0.000885571	4.76623E-06	0.006515776	0.001716102	0.122821718	0.012884381	5.42528E-06	40.56871033	3.69061E-05	0.000183794	0.000314431	0.002347141
2083 Sep	388.9985046	0.246977493	0.348507643	0.007622165	73.61780548	0.052052945	145.5697327	0.000884877	0.000884877	4.76402E-06	0.006524233	0.001720671	0.123255201	0.012884735	5.42503E-06	40.68645477	3.70018E-05	0.00018394	0.000314876	0.002352031
2083 Oct	389.2278442	0.246199518	0.347215146	0.007596308	73.36951447	0.051938582	145.8310547	0.000883069	0.000883069	4.75549E-06	0.006524597	0.001722406	0.12343394	0.012870342	5.41714E-06	40.73188019	3.70324E-05	0.000183846	0.000314785	0.002352768
2083 Nov	389.3808899	0.24588947	0.346699953	0.007586874	73.27495575	0.05189842	145.9669952	0.000882526	0.000882526	4.753E-06	0.006525663	0.001723431	0.12352322	0.012867122	5.41505E-06	40.75863647	3.70516E-05	0.000183846	0.000314816	0.002353484
2083 Dec	389.507019	0.245885611	0.346693933	0.007586735	73.27364349	0.051897567	146.029541	0.00088251	0.00088251	4.75306E-06	0.006526612	0.001723942	0.123571895	0.012867622	5.41534E-06	40.77221298	3.70628E-05	0.000183865	0.000314878	0.002354082
2084 Jan	389.5100403	0.245886073	0.346694261	0.007586743	73.27375793	0.05189769	146.030899	0.000882513	0.000882513	4.75308E-06	0.006526654	0.001723957	0.123572975	0.012867733	5.41536E-06	40.77258301	3.70631E-05	0.000183867	0.000314881	0.002354099
2084 Feb	389.5131531	0.245888099	0.346696973	0.007586802	73.27436066	0.051898107	146.0320129	0.000882521	0.000882521	4.75312E-06	0.00652671	0.001723974	0.123573922	0.012867919	5.41541E-06	40.77296829	3.70634E-05	0.000183869	0.000314885	0.002354119
2084 Mar	389.5333557	0.245900854	0.346714854	0.007587194	73.2781601	0.0519008	146.039566	0.000882567	0.000882567	4.75337E-06	0.006527051	0.001724065	0.123580292	0.012868631	5.41569E-06	40.77510452	3.70653E-05	0.000183879	0.000314902	0.002354242
2084 Apr	389.6888123	0.245998755	0.346852839	0.007590214	73.3073349	0.051921461	146.0978851	0.000882918	0.000882918	4.75526E-06	0.006529654	0.001724753	0.123629622	0.012873781	5.41785E-06	40.79139709	3.70801E-05	0.000183953	0.000315028	0.002355181
2084 May	389.9198914	0.245634928	0.346184403	0.007578515	73.20735931	0.051878322	146.2427063	0.00088336	0.00088336	4.75767E-06	0.006537293	0.001728251	0.123720832	0.012930292	5.42061E-06	40.86522293	3.71253E-05	0.000184589	0.00031604	0.002357274
2084 Jun	386.9214478	0.243277296	0.342479408	0.00751142	72.55228424	0.051552214	145.1639099	0.000880376	0.000880376	4.7397E-06	0.006513376	0.001721192	0.122750252	0.012960828	5.39803E-06	40.66130829	3.69233E-05	0.000184715	0.0003156	0.002343577
2084 Jul	387.9236755	0.24358654	0.34289065	0.007522245	72.65274811	0.051652383	145.5979614	0.00088226	0.00088226	4.75008E-06	0.006530533	0.001726114	0.123104371	0.012990338	5.41031E-06	40.7757225	3.70284E-05	0.000185188	0.000316393	0.002349757
2084 Aug	389.2283936	0.243932873	0.34336561	0.007532954	72.75835419	0.05174771	146.1727448	0.0008838	0.0008838	4.75912E-06	0.006547702	0.001731982	0.123576365	0.013017332	5.42172E-06	40.91789627	3.71509E-05	0.000185641	0.000317276	0.00235711
2084 Sep	390.177124	0.243685812	0.342964143	0.007524579	72.6815033	0.051722698	146.6828156	0.000883266	0.000883266	4.75762E-06	0.006555041	0.001736194	0.123977691	0.01301799	5.42204E-06	41.02656937	3.72379E-05	0.000185785	0.000317701	0.002361684
2084 Oct	390.8227844	0.243222907	0.342194319	0.007508312	72.52922058	0.051649846	147.0867462	0.000882001	0.000882001	4.75221E-06	0.006558838	0.001739203	0.124285012	0.013009623	5.41791E-06	41.10614014	3.73001E-05	0.000185786	0.000317868	0.002364455
2084 Nov	391.0577087	0.243081868	0.341953456	0.0075325	72.48186493	0.051628098	147.2284698	0.000881639	0.000881639	4.75072E-06	0.006560542	0.001740307	0.124393061	0.013007741	5.41687E-06	41.13490295	3.73227E-05	0.000185798	0.00031794	0.002365496
2084 Dec	391.1621094	0.243082032	0.341953248	0.007503241	72.48178864	0.051628109	147.2796021	0.000881639	0.000881639	4.75083E-06	0.006561375	0.001740732	0.124432988	0.013008306	5.41717E-06	41.14612579	3.7332E-05	0.000185815	0.000317993	0.002365998
2085 Jan	391.2241516	0.243077561	0.341946721	0.007503094	72.48040009	0.051627122	147.3108215	0.000881622	0.000881622	4.75081E-06	0.0065618	0.001740983	0.124457173	0.013008475	5.41726E-06	41.15283585	3.73374E-05	0.000185824	0.000318023	0.002366288
2085 Feb	391.2352905	0.243079111	0.341948748	0.007503138	72.48085785	0.051627435	147.3159637	0.000881627	0.000881627	4.75085E-06	0.006561913	0.001741031	0.124461234	0.013008669	5.41732E-06	41.15406799	3.73384E-05	0.000185827	0.000318031	0.002366345
2085 Mar	391.2428894	0.243083745	0.341955185	0.0075328	72.48223877	0.051628411	147.3188324	0.000881645	0.000881645	4.75094E-06	0.00656204	0.001741066	0.12446364	0.013008956	5.41743E-06	41.15489197	3.73392E-05	0.000185831	0.000318037	0.002366391
2085 Apr	391.32547	0.24313508	0.342027336	0.007504863	72.49753571	0.051639311	147.3499146	0.000881831	0.000881831	4.75195E-06	0.006563426	0.001741434	0.124489903	0.013011724	5.41857E-06	41.16359329	3.73471E-05	0.000185871	0.000318105	0.002366891
2085 May	391.7658386	0.242890865	0.341576159	0.007496389	72.429039	0.051606894	147.5819244	0.000882089	0.000882089	4.75371E-06	0.006570934	0.00174507	0.124661207	0.013055317	5.42105E-06	41.24578857	3.74035E-05	0.000186388	0.000319001	0.002369678
2085 Jun	390.8908081	0.241971955	0.340079904	0.007469448	72.17556	0.051489606	147.2882385	0.000881506	0.000881506	4.7499E-06	0.006568121	0.001744594	0.124386631	0.013096741	5.41591E-06	41.21559143	3.73624E-05	0.000186793	0.000319405	0.002366361
2085 Jul	392.4377136	0.242531344	0.34086439	0.007486951	72.34550476	0.051626034	147.9417572	0.000883838	0.000883838	4.76307E-06	0.006590384	0.001751553	0.124926403	0.013134416	5.43185E-06	41.38238907	3.75105E-05	0.000187386	0.000320518	0.00237527
2085 Aug	393.7563477	0.242411032	0.340670288	0.007483231	72.3134079	0.051639959	148.6070862	0.000883936	0.000883936	4.7651E-06	0.006602651	0.001757487	0.125458613	0.01314442	5.4364E-06	41.5306015	3.76314E-05	0.000187667	0.000321218	0.002382066
2085 Sep	394.9042664	0.241794303	0.339684546	0.007462421	72.1188736	0.051552013	149.2827911	0.000882343	0.000882343	4.75867E-06	0.006609316	0.001762681	0.125980541	0.013134906	5.43223E-06	41.6669426	3.77368E-05	0.000187734	0.000321596	0.002387187
2085 Oct	395.6149902	0.241185457	0.338687539	0.007443019	71.92959595	0.051464994	149.7493134	0.000880979	0.000880979	4.75282E-06	0.006613439	0.001766155	0.126320288	0.013126286	5.42787E-06	41.75962448	3.78082E-05	0.000187752	0.00032181	0.002390364
2085 Nov	395.8140564	0.240843162	0.338125944	0.00743203	71.82552338	0.051418684	149.9140472	0.000880326	0.000880326	4.74984E-06	0.00661446	0.001767348	0.126430616	0.013121815	5.42538E-06	41.79148102	3.78313E-05	0.000187745	0.000321849	0.002391249
2085 Dec	395.89328	0.240840316	0.338121295	0.0074325	71.82455444	0.051418103	149.9533844	0.000880316	0.000880316	4.74988E-06	0.006615064	0.001767671	0.126461223	0.013122136	5.42556E-06	41.80002594	3.78384E-05	0.000187757	0.000321888	0.002391625
2086 Jan	395.902771	0.240840033	0.33812052	0.007432484	71.82443237	0.051418066	149.9580536	0.000880317	0.000880317	4.74989E-06	0.006615146	0.001767712	0.126464874	0.01312225	5.42559E-06	41.8011055	3.78392E-05	0.000187759	0.000321893	0.002391672
2086 Feb	395.9042053	0.240840808	0.338121444	0.00743205	71.82465363	0.051418219	149.9585876	0.00088032	0.00088032	4.74991E-06	0.006615173	0.001767721	0.126465291	0.013122378	5.42561E-06	41.80131149	3.78394E-05	0.000187761	0.000321896	0.002391682
2086 Mar	395.914856	0.240846664	0.33812955	0.007432682	71.82640076	0.051419463	149.9626923	0.000880342	0.000880342	4.75003E-06	0.006615343	0.00176777	0.126468733	0.013122747	5.42575E-06	41.80246353	3.78404E-05	0.000187766	0.000321905	0.002391746
2086 Apr	396.0296021	0.240916014	0.338226885	0.007434822	71.84708405	0.051434264	150.0062256	0.000880596	0.000880596	4.7514E-06	0.006617255	0.001768283	0.12650542	0.013126556	5.42732E-06	41.81459427	3.78513E-05	0.00018782	0.000321998	0.002392438
2086 May	396.5368347	0.241036549	0.338365316	0.007438168	71.88382721	0.051464148	150.2237091	0.000881352	0.000881352	4.75567E-06	0.006625114	0.001771005	0.126680121	0.013150183	5.43243E-06	41.87861633	3.79033E-05	0.000188131	0.00032255	0.002395434
2086 Jun	393.7164612	0.23862581	0.334596723	0.007369794	71.21349335	0.05113218	149.2298431	0.000878833	0.000878833	4.74022E-06	0.006606777	0.001765025	0.125778958	0.013183448	5.41259E-06	41.69535065	3.773E-05	0.000188365	0.000322161	0.002382568
2086 Jul	394.5429382	0.238650292	0.334569871	0.00737358	71.23819733	0.051206637	149.6289825	0.00088067	0.00088067	4.75018E-06	0.006624547	0.001769826	0.126090243	0.013212419	5.42429E-06	41.80235291	3.7833E-05	0.000188867	0.000322885	0.002388121
2086 Aug	396.2901611	0.238827646	0.334802449	0.007379152	71.29470062	0.05127674	150.4498291	0.00088178	0.00088178	4.75762E-06	0.006643849	0.001777592	0.126751497	0.013236993	5.43495E-06	41.99445724	3.79943E-05	0.000189342	0.000323939	0.002397465
2086 Sep	397.3904114	0.238362804	0.334060073	0.007363602	71.15016174	0.051220674	151.0720215	0.000880743	0.000880743	4.75386E-06	0.006651398	0.001782619	0.127237529	0.013233197	5.43332E-06	42.12395096	3.80941E-05	0.000189468	0.000324356	0.002402578
2086 Oct	398.4351807	0.238185987	0.333755165	0.007357161	71.09047699	0.051195432	151.6179352	0.000880277	0.000880277	4.75277E-06	0.006659578	0.001787058	0.127662286	0.013234696	5.43416E-06	42.24061203	3.81898E-05	0.000189612	0.000324831	0.002407532
2086 Nov	398.678772	0.23821117	0.333788931	0.007357904	71.09773254	0.05120106	151.7327271	0.000880372	0.000880372	4.7535E-06	0.006661925	0.001788071	0.127753019	0.013237242	5.43533E-06	42.26679993	3.82118E-05	0.000189668	0.000324969	0.002408761
2086 Dec	398.792572	0.238208696	0.333785176	0.007357817	71.09689331	0.05120049	151.7889557	0.000880361	0.000880361	4.75358E-06	0.006662787	0.001788532	0.127796829	0.013237724	5.43561E-06	42.27902603	3.82219E-05	0.000189686	0.000325026	0.002409303
2087 Jan	398.8059692	0.238208741	0.333785057	0.007357814	71.09689331	0.051200505	151.7954865	0.000880362	0.000880362	4.75359E-06	0.006662899	0.001788588	0.127801925	0.013237839	5.43565E-06	42.28049469	3.82231E-05	0.000189689	0.000325033	0.002409368
2087 Feb	398.8134766	0.238212913	0.333790809	0.007357941	71.09814453	0.051201399	151.7983856	0.000880377	0.000880377	4.75368E-06	0.006663022	0.001788623	0.127804354	0.013238121	5.43575E-06	42.28132248	3.82239E-05	0.000189692	0.00032504	0.002409414
2087 Mar	398.8385315	0.238227844	0.333811671	0.007358402	71.1026001	0.051204607	151.8078918	0.000880433	0.000880433	4.75398E-06	0.006663441	0.001788736	0.127812356	0.013238977	5.43609E-06	42.28398895	3.82262E-05	0.000189705	0.000325061	0.002409565
2087 Apr	398.8971558	0.238262892	0.333860725	0.007359483	71.11305237	0.051212132	151.8302155	0.000880562	0.000880562	4.75468E-06	0.006664421	0.001788999	0.127831131	0.013240938	5.43689E-06	42.29021835	3.82319E-05	0.000189733	0.000325109	0.00240992
2087 May	398.7519531	0.238148451	0.333640009	0.007355388	71.08150482	0.051199134	151.7639771	0.000880782	0.000880782	4.7556E-06	0.006665864	0.001789462	0.127775833	0.013264345	5.43752E-06	42.29409027	3.8229E-05	0.000189968	0.000325424	0.002409651
2087 Jun	396.8448792	0.236859307	0.331579387	0.007316693	70.72064972	0.051015627	151.0174103	0.000879511	0.000879511	4.7473E-06	0.006654185	0.001785547	0.127136648	0.013307653	5.42604E-06	42.1697197	3.81047E-05	0.000190291	0.000325472	0.002401212
2087 Jul	398.2649536	0.237163067	0.331999749	0.007326542	70.81620026	0.051107809	151.6534119	0.000881161	0.000881161	4.75702E-06	0.006673374	0.001792058	0.127655596	0.013336496	5.43835E-06	42.32593155	3.82425E-05	0.000190782	0.00032643	0.002409212

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2087 Aug	399.790863	0.237653419	0.332680613	0.007341782	70.96464539	0.051228851	152.3097687	0.000883204	0.000883204	4.76875E-06	0.006694084	0.001798877	0.128193527	0.013371143	5.45281E-06	42.49110413	3.8386E-05	0.000191335	0.000327499	0.002417855
2087 Sep	401.2733154	0.237765878	0.332797021	0.00734459	70.99441528	0.051267464	153.0168304	0.00088379	0.00088379	4.7733E-06	0.006709562	0.001805261	0.12875706	0.013387918	5.46006E-06	42.65348053	3.85233E-05	0.0001917	0.00032835	0.002425521
2087 Oct	402.2439575	0.237536773	0.332418889	0.007336539	70.91931915	0.051231824	153.5362396	0.000883129	0.000883129	4.77117E-06	0.006716413	0.001809361	0.129159778	0.013386493	5.45975E-06	42.76226807	3.86119E-05	0.000191805	0.000328761	0.002430029
2087 Nov	402.4486389	0.237454548	0.332277864	0.007333568	70.89160919	0.05121943	153.6521759	0.000882915	0.000882915	4.77036E-06	0.006717954	0.001810277	0.129249111	0.013385637	5.45933E-06	42.78624725	3.86312E-05	0.000191822	0.000328836	0.002430966
2087 Dec	402.6242065	0.237446547	0.332266301	0.007333306	70.88909912	0.051217653	153.7396851	0.000882883	0.000882883	4.7704E-06	0.006719221	0.001810984	0.12931712	0.013386181	5.45968E-06	42.80511856	3.86467E-05	0.000191848	0.000328921	0.002431793
2088 Jan	402.6611938	0.237445831	0.332265049	0.007333278	70.88884735	0.051217493	153.7579193	0.00088288	0.00088288	4.77043E-06	0.006719507	0.001811135	0.129331306	0.013386394	5.45978E-06	42.80912781	3.865E-05	0.000191854	0.00032894	0.00243197
2088 Feb	402.6649475	0.237446934	0.33226645	0.007333309	70.88918304	0.05121772	153.7595062	0.000882885	0.000882885	4.77046E-06	0.006719556	0.001811153	0.129332602	0.013386531	5.45981E-06	42.80957031	3.86503E-05	0.000191856	0.000328944	0.002431992
2088 Mar	402.6912231	0.237462431	0.332288057	0.007333786	70.89379883	0.051221061	153.7695007	0.000882943	0.000882943	4.77077E-06	0.006719996	0.001811272	0.129341021	0.013387439	5.46017E-06	42.81238556	3.86529E-05	0.000191869	0.000328966	0.002432151
2088 Apr	402.9142151	0.237593904	0.332471937	0.007337844	70.93305969	0.05124943	153.85466	0.000883432	0.000883432	4.77341E-06	0.00672372	0.001812277	0.129412636	0.013394901	5.46319E-06	42.83612442	3.86743E-05	0.000191976	0.000329149	0.002433499
2088 May	403.4190063	0.237871885	0.332856566	0.007346345	71.01613617	0.051309776	154.0499725	0.000884488	0.000884488	4.77915E-06	0.00673201	0.001814605	0.129576206	0.013412839	5.46979E-06	42.89118195	3.87229E-05	0.000192227	0.000329585	0.002436548
2088 Jun	402.1225891	0.236922428	0.331481487	0.007318369	70.74476624	0.0511715	153.5495758	0.000883651	0.000883651	4.77383E-06	0.006727999	0.001811075	0.129183307	0.013402613	5.46227E-06	42.77875519	3.86543E-05	0.000192174	0.000328896	0.002430023
2088 Jul	403.3082275	0.237295792	0.331997961	0.007330516	70.86121368	0.051278777	154.0526428	0.00088586	0.00088586	4.78605E-06	0.00674927	0.001816846	0.129605219	0.013436036	5.47662E-06	42.91101456	3.87825E-05	0.000192744	0.000329791	0.002437085
2088 Aug	405.3225708	0.238083094	0.333093017	0.007354825	71.09735107	0.051459372	154.8945923	0.000888927	0.000888927	4.80333E-06	0.006777905	0.001825782	0.130298495	0.013486278	5.49745E-06	43.12756729	3.89727E-05	0.000193529	0.000331254	0.002448609
2088 Sep	406.6859131	0.238189712	0.33321929	0.007357782	71.12811279	0.051495343	155.5437164	0.000889455	0.000889455	4.80746E-06	0.006791708	0.001831607	0.130816355	0.013501199	5.50408E-06	43.27617264	3.90981E-05	0.00019386	0.000332037	0.002455641
2088 Oct	406.9057007	0.237566605	0.332211971	0.007336323	70.92655182	0.051392063	155.769455	0.000887618	0.000887618	4.79879E-06	0.006790279	0.001832813	0.130981043	0.013483107	5.49596E-06	43.31070709	3.91214E-05	0.000193711	0.000331901	0.002456115
2088 Nov	406.9886169	0.237463444	0.3320297	0.007332517	70.89113617	0.051377311	155.8297577	0.000887371	0.000887371	4.79769E-06	0.006791067	0.001833285	0.131026745	0.013481531	5.49504E-06	43.32249451	3.91304E-05	0.000193708	0.000331907	0.002456474
2088 Dec	407.1114502	0.237461969	0.332027197	0.007332459	70.89058685	0.051376991	155.8901978	0.000887365	0.000887365	4.7978E-06	0.006792024	0.001833784	0.131073877	0.013482124	5.49536E-06	43.3357048	3.91414E-05	0.000193728	0.000331969	0.002457062
2089 Jan	407.1195374	0.237462729	0.332028002	0.007332477	70.89079285	0.051377174	155.8940125	0.000887369	0.000887369	4.79782E-06	0.006792109	0.00183382	0.131076887	0.013482266	5.4954E-06	43.33662033	3.91421E-05	0.00019373	0.000331975	0.002457104
2089 Feb	407.1239929	0.237465352	0.332031518	0.007332555	70.89157104	0.051377732	155.8956604	0.00088738	0.00088738	4.79788E-06	0.006792186	0.001833842	0.131078273	0.013482479	5.49547E-06	43.3371315	3.91425E-05	0.000193733	0.000331979	0.002457132
2089 Mar	407.1563721	0.237484217	0.332057804	0.007333136	70.89720154	0.051381808	155.9080658	0.00088745	0.00088745	4.79826E-06	0.006792727	0.001833989	0.131088689	0.013483587	5.49591E-06	43.34060287	3.91456E-05	0.000193749	0.000332006	0.002457328
2089 Apr	407.2989197	0.237567335	0.332173944	0.007335701	70.92201233	0.051399786	155.9626465	0.000887761	0.000887761	4.79994E-06	0.006795106	0.001834632	0.131134585	0.013488331	5.49783E-06	43.35579681	3.91594E-05	0.000193817	0.000332123	0.002458188
2089 May	407.2101135	0.237480834	0.331976295	0.007331952	70.89852142	0.051393095	155.911911	0.000888213	0.000888213	4.80208E-06	0.006798488	0.001835696	0.131095529	0.01352304	5.49973E-06	43.371521	3.91648E-05	0.000194177	0.000332633	0.002458409
2089 Jun	406.2346497	0.236713916	0.330717683	0.007306654	70.68008423	0.051276296	155.5210419	0.000887645	0.000887645	4.7983E-06	0.006795294	0.001834945	0.130773723	0.01357629	5.4942E-06	43.32943344	3.91126E-05	0.000194673	0.000333164	0.002454451
2089 Jul	408.1585693	0.237089723	0.331240088	0.007318611	70.79653168	0.051382173	156.3906555	0.000889505	0.000889505	4.8096E-06	0.006819101	0.001843517	0.131477863	0.013610694	5.50897E-06	43.53916931	3.92947E-05	0.000195274	0.000334412	0.002464985
2089 Aug	410.0609131	0.237453833	0.331743032	0.007330077	70.90853882	0.05148413	157.2527161	0.000891246	0.000891246	4.82029E-06	0.006841772	0.001851952	0.132173702	0.013643879	5.52309E-06	43.74640656	3.94711E-05	0.000195846	0.00033563	0.002475337
2089 Sep	411.725769	0.237324476	0.33150056	0.007325095	70.86422729	0.051477388	158.0942078	0.000891014	0.000891014	4.82104E-06	0.006856101	0.001859026	0.132836089	0.013651815	5.52694E-06	43.93039322	3.96238E-05	0.000196141	0.000336464	0.002483524
2089 Oct	412.4308167	0.236545756	0.330240548	0.007298236	70.6114502	0.051346242	158.5870361	0.000888708	0.000888708	4.81063E-06	0.006857599	0.001862255	0.133205011	0.013631016	5.51797E-06	44.01943588	3.96907E-05	0.000196019	0.000336502	0.00248614
2089 Nov	412.6651917	0.236500159	0.330152929	0.007296432	70.59481812	0.051340789	158.7106628	0.000888622	0.000888622	4.81048E-06	0.006859798	0.001863303	0.133301228	0.013631849	5.51825E-06	44.04633713	3.97127E-05	0.000196057	0.000336608	0.002487276
2089 Dec	412.775177	0.236501157	0.330153912	0.007296453	70.59502411	0.05134102	158.7643738	0.000888626	0.000888626	4.81062E-06	0.006860692	0.001863751	0.133343235	0.013632498	5.51859E-06	44.05817413	3.97225E-05	0.000196077	0.000336665	0.002487808
2090 Jan	412.7975464	0.236503527	0.330156952	0.00729652	70.59571075	0.051341545	158.7748718	0.000888636	0.000888636	4.81069E-06	0.006860912	0.001863846	0.13335149	0.013632786	5.5187E-06	44.06060791	3.97245E-05	0.000196083	0.000336679	0.002487921
2090 Feb	412.8059692	0.236507922	0.330162972	0.007296653	70.59701538	0.051342491	158.7781677	0.000888653	0.000888653	4.81078E-06	0.006861048	0.001863886	0.133354247	0.013633104	5.51881E-06	44.06154633	3.97253E-05	0.000196087	0.000336686	0.002487972
2090 Mar	412.8316345	0.236522198	0.330182821	0.007297092	70.60128021	0.051345587	158.7880859	0.000888706	0.000888706	4.81107E-06	0.00686147	0.001864002	0.133362561	0.013633964	5.51915E-06	44.06430817	3.97278E-05	0.000196099	0.000336708	0.002488126
2090 Apr	412.9190369	0.23657231	0.330252707	0.007298637	70.61623383	0.051356461	158.821701	0.000888895	0.000888895	4.81209E-06	0.006862924	0.001864398	0.133390784	0.013636871	5.52032E-06	44.07365036	3.97362E-05	0.000196141	0.000336779	0.002488654
2090 May	413.737854	0.236659572	0.330361426	0.007301132	70.64252472	0.051377002	159.202713	0.00088935	0.00088935	4.81523E-06	0.006871596	0.001868043	0.13369219	0.013652201	5.5249E-06	44.16577911	3.98126E-05	0.000196399	0.000337348	0.002492913
2090 Jun	414.4263916	0.234179735	0.326551229	0.007228486	69.94217682	0.050993688	159.9375916	0.00088555	0.00088555	4.7974E-06	0.006874218	0.00187547	0.134149566	0.013686542	5.50886E-06	44.34731293	3.99367E-05	0.000197003	0.000338547	0.002495947
2090 Jul	415.366333	0.234359801	0.326768309	0.007235759	70.0065155	0.051077291	160.3614349	0.000887379	0.000887379	4.80745E-06	0.006891869	0.001880391	0.134491071	0.013715594	5.52073E-06	44.45945358	4.00427E-05	0.000197491	0.000339306	0.002501827
2090 Aug	416.3531494	0.23390317	0.326075524	0.007221498	69.87380219	0.051040504	160.9213867	0.000886669	0.000886669	4.8052E-06	0.006899002	0.001885183	0.134934977	0.013714203	5.52044E-06	44.57737732	4.01307E-05	0.000197625	0.000339692	0.002506644
2090 Sep	416.8140869	0.23302123	0.324646056	0.007194243	69.60673523	0.050927971	161.3178864	0.000884906	0.000884906	4.79713E-06	0.006900797	0.001888021	0.135210127	0.013700268	5.51357E-06	44.65185547	4.01827E-05	0.000197587	0.000339728	0.002508675
2090 Oct	415.9906921	0.231878072	0.322738171	0.007158882	69.25502777	0.050778024	161.1405792	0.000882814	0.000882814	4.78598E-06	0.006893623	0.001886078	0.135010645	0.013678308	5.50138E-06	44.59978104	4.01285E-05	0.000197318	0.00033908	0.002504558
2090 Nov	415.7343445	0.231489643	0.32210204	0.007147179	69.13781738	0.050726358	161.09198	0.000882081	0.000882081	4.78211E-06	0.006890931	0.001885463	0.134950921	0.013670391	5.49721E-06	44.58407211	4.01117E-05	0.000197224	0.000338874	0.002503252
2090 Dec	415.8831787	0.231485173	0.322094977	0.007147022	69.13632965	0.05072543	161.1657257	0.000882065	0.000882065	4.7822E-06	0.006892061	0.001886066	0.13500835	0.013671001	5.49756E-06	44.60009766	4.0125E-05	0.000197248	0.000338948	0.00250396
2091 Jan	415.9378357	0.231482401	0.322090805	0.007146929	69.1354599	0.050724823	161.1929779	0.000882055	0.000882055	4.78221E-06	0.006892457	0.001886288	0.13502951	0.013671222	5.49767E-06	44.60601425	4.01298E-05	0.000197256	0.000338975	0.002504218
2091 Feb	415.9523621	0.231482267	0.322090447	0.007146921	69.13541412	0.050724775	161.2000732	0.000882055	0.000882055	4.78222E-06	0.006892572	0.001886349	0.135035038	0.01367137	5.49772E-06	44.60762787	4.01311E-05	0.000197259	0.000338984	0.002504289
2091 Mar	415.9960632	0.231505856	0.32212317	0.007147647	69.14245605	0.050729938	161.2171326	0.000882145	0.000882145	4.78271E-06	0.006893286	0.001886548	0.135049284	0.013672816	5.49828E-06	44.61234283	4.01353E-05	0.00019728	0.00033902	0.002504551
2091 Apr	416.1648865	0.231599793	0.322253853	0.007150547	69.17051697	0.050750524	161.2825317	0.000882503	0.000882503	4.78465E-06	0.006896085	0.001887315	0.135104075	0.013678391	5.50051E-06	44.63045883	4.01516E-05	0.000197361	0.000339158	0.002505568
2091 May	416.4519958	0.231666863	0.32229495	0.007152318	69.19306946	0.050775532	161.3981934	0.000883334	0.000883334	4.78904E-06	0.006903062	0.001889487	0.135195285	0.013707829	5.50536E-06	44.6774826	4.01875E-05	0.000197711	0.000339709	0.002507655
2091 Jun	414.301239	0.230078965	0.319743246	0.00710565	68.75216675	0.050554045	160.5799408	0.000882003	0.000882003	4.78012E-06	0.006890708	0.001885556	0.134471029	0.013764481	5.49289E-06	44.54844284	4.00525E-05	0.000198164	0.00033989	0.002498301
2091 Jul	416.0741272	0.230726644	0.320633978	0.007126182	68.94934082	0.050713088	161.3265991	0.000884919	0.000884919	4.7964E-06	0.006917872	0.001893695	0.135083526	0.013812019	5.51232E-06	44.74285126	4.02273E-05	0.000198913	0.000341221	0.002508615
2091 Aug	417.5726318	0.230599701	0.320423871	0.007122181	68.91458893	0.050727509	162.0801392	0.000885058	0.000885058	4.79883E-06	0.006931771	0.001900402	0.135684878	0.013823393	5.51758E-06	44.91101456	4.03636E-05	0.000199234	0.000342006	0.00251627
2091 Sep	419.0377502	0.23023808	0.319852263	0.007110211	68.80331421	0.050686713	162.8612671	0.000884298	0.000884298	4.79681E-06	0.006942381	0.001906798	0.136296421	0.013823564	5.51832E-06	45.07696915	4.0494E-05	0.000199439	0.000342631	0.002523179
2091 Oct	419.8071594	0.229653597	0.318912327	0.00709063	68.61694336	0.05059113	163.3503265	0.000882632	0.000882632	4.78956E-06	0.006945357	0.001910196	0.136662662	0.013809543	5.51262E-06	45.17008209	4.05661E-05	0.000199394	0.000342796	0.002526356
2091 Nov	419.7716675	0.22920619	0.318171829	0.007076188	68.47602081	0.050525635	163.4201202	0.000881633	0.000881633	4.78465E-06	0.006944065	0.001910472	0.136697635	0.013799713	5.50778E-06	45.17807007	4.05683E-05	0.000199303	0.000342647	0.002525967
2091 Dec	419.8782043	0.229191378	0.318145484	0.007075692	68.47114563	0.050523717	163.475235	0.000881609	0.000881609	4.78465E-06	0.006944949	0.001910929	0.136739895	0.013800126	5.50797E-06	45.19005585	4.05781E-05	0.00019932	0.000342699	0.002526479
2092 Jan	419.9828186	0.229184493	0.31813556	0.007075469	68.46903992	0.050522178	163.52771	0.000881582	0.000881582	4.78463E-06	0.006945671	0.001911349	0.13678059	0.013800407	5.50815E-06	45.20133591	4.05873E-05	0.000199334	0.000342749	0.002526968
2092 Feb	420.0114746	0.229185984	0.318137467	0.007075511	68.46948242	0.050522488	163.5414124	0.000881588	0.000881588	4.78469E-06	0.006945923	0.00191147	0.136791334	0.013800726	5.50826E-06	45.20446777	4.05899E-05	0.000199341	0.000342766	0.00252711
2092 Mar	420.0625	0.22921358	0.318175644	0.00707636	68.47772217	0.050528564	163.5612946	0.000881695	0.000881695	4.78527E-06	0.006946765	0.001911703	0.136807963	0.013802442	5.50892E-06	45.20999527	4.05948E-05	0.000199366	0.000342809	0.002527417
2092 Apr	420.2037659	0.229290694	0.318282634	0.00707874	68.50074768	0.050545558	163.6163025	0.000881992	0.000881992	4.78688E-06	0.006949103	0.001912347	0.136853948	0.013807113	5.51078E-06	45.22521973	4.06085E-05	0.000199433	0.000342925	0.002528268
2092 May	421.0288086	0.229206398	0.31809485	0.007075869	68.47940063	0.050542191	164.0199585	0.000882458	0.000882458	4.79007E-06	0.006959245	0.001916885	0.137162387	0.013839846	5.51541E-06	45.3354454	4.06936E-05	0.000199879	0.000343788	0.002532821
2092 Jun	417.7819519	0.225934416	0.313024819	0.006981711	67.56526184	0.05005642	162.9675903	0.000877719	0.000877719	4.7632E-06	0.006929885	0.001910064	0.136162519	0.013870546	5.4836E-06	45.13728333	4.04867E-05	0.000200028	0.000343383	0.002517303
2092 Jul	418.1747437	0.225524575	0.312394828	0.006971944	67.4606781	0.050038908	163.2327728	0.000877956	0.000877956	4.76486E-06	0.006938179	0.001912805	0.136355773	0.013876504	5.48629E-06	45.19816589	4.05476E-05	0.000200238	0.000343659	0.002519888
2092 Aug	420.3789063	0.225977913	0.313012123	0.006985925	67.59770966	0.050155081	164.2280426	0.000879914	0.000879914	4.77693E-06	0.00696425	0.001922427	0.137158245	0.013914766	5.50232E-06	45.43780899	4.07524E-05	0.00020092	0.000345082	0.002531789
2092 Sep	422.8691711	0.225773305	0.312688082	0.006979037	67.53429413	0.0501316	165.4854889	0.000879398	0.000879398	4.77721E-06	0.00698318	0.001932731	0.13814263	0.013922569	5.50718E-06	45.70941162	4.09749E-05	0.000201307	0.000346286	0.002543714
2092 Oct	424.530426	0.225476354	0.312219054	0.006968878	67.43884277	0.05007989	166.3559265	0.000878432	0.000878432	4.77435E-06	0.006994106	0.001939515	0.138817191	0.013920248	5.5074E-06	45.89146805	4.11234E-05	0.000201479	0.000347	0.002551364
2092 Nov	425.1579895	0.225395724	0.312091291	0.006966108	67.41273499	0.050065454	166.6786346	0.000878169	0.000878169	4.77377E-06	0.006998456	0.001942072	0.139067516	0.013920559	5.50796E-06	45.9598465	4.11793E-05	0.000201555	0.000347283	0.002554283
2092 Dec	425.2283936	0.225399733	0.312096387	0.006966222	67.41385651	0.050066389	166.7123871	0.000878186	0.000878186	4.77393E-06	0.006999093	0.001942364	0.13909404	0.013921167	5.50824E-06	45.96743774	4.11857E-05	0.00020157	0.000347321	0.002554632
2093 Jan	425.2691956	0.225397497	0.312093019	0.006966148	67.41316223	0.05006589	166.7327728	0.000878178	0.000878178	4.77393E-06	0.006999384	0.001942529	0.139109865	0.013921319	5.50832E-06	45.97185135	4.11893E-05	0.000201576	0.000347342	0.002554825
2093 Feb	425.288147	0.225399554	0.312095761	0.006966208	67.41377258	0.050066333	166.7416382	0.000878186	0.000878186	4.774E-06	0.006999568	0.00194261	0.139116868	0.013921585	5.50842E-06	45.97392654	4.1191E-05	0.000201581	0.000347353	0.002554921
2093 Mar	425.391449	0.225437462	0.312148184	0.006967377	67.42510223	0.050074741	166.7852325	0.000878334	0.000878334	4.77483E-06	0.007000995	0.001943066	0.139152393	0.013924124	5.50944E-06	45.98508835	4.12008E-05	0.00020162	0.000347429	0.002555504
2093 Apr	425.5493469	0.225518212	0.312259972	0.006969872	67.44924927	0.050092671	166.8476715	0.000878648	0.000878648	4.77655E-06	0.007003547	0.001943785	0.139204353	0.013929158	5.51142E-06	46.00216293	4.1216E-05	0.000201694	0.000347556	0.002556446
2093 May	426.2509155	0.225555941	0.312266052	0.006970318	67.46139526	0.05010619	167.1695404	0.000879254	0.000879254	4.7803E-06	0.007012846	0.001947567	0.139458939	0.013958876	5.51636E-06	46.09278107	4.12873E-05	0.000202089	0.000348302	0.002560374
2093 Jun	423.951355	0.223932967	0.309723079	0.006921307	67.00397491	0.049856789	166.2844391	0.000877093	0.000877093	4.76721E-06	0.006995472	0.001942303	0.13869828	0.013996372	5.49942E-06	45.93458557	4.11314E-05	0.000202317	0.000348157	0.002549633
2093 Jul	425.2070313	0.224264473	0.310160875	0.006932606	67.11053467	0.049963653	166.8356628	0.000879156	0.000879156	4.77875E-06	0.007015646	0.001948407	0.139146462	0.014030878	5.51328E-06	46.0775795	4.12604E-05	0.000202871	0.000349116	0.002557133
2093 Aug	427.0003967	0.224597245	0.310612619	0.006942989	67.21273804	0.050057963	167.6511383	0.000880738	0.000880738	4.78853E-06	0.007037003	0.001956348	0.139805123	0.014062112	5.52632E-06	46.2736702	4.14277E-05	0.000203423	0.000350275	0.002566891
2093 Sep	428.4465332	0.224429816	0.310317308	0.006936824	67.15717316	0.050043944	168.3925171	0.000880362	0.000880362	4.78835E-06	0.007049031	0.001962496	0.140388906	0.014066687	5.52885E-06	46.43396378	4.15602E-05	0.000203657	0.000350971	0.002573955
2093 Oct	428.6855164	0.223523736	0.308861405	0.006905787	66.86385345	0.049888659	168.6827545	0.000877601	0.000877601	4.7752E-06	0.007045441	0.001963749	0.140595227	0.014036411	5.51634E-06	46.47312546	4.15846E-05	0.000203381	0.000350678	0.002574114
2093 Nov	428.8401489	0.223188102	0.308290601	0.006894517	66.75485229	0.049839776	168.8239441	0.000876861	0.000876861	4.77176E-06	0.007046357	0.001964734	0.140691996	0.014030188	5.51327E-06	46.498909	4.16026E-05	0.000203344	0.000350647	0.002574698
2093 Dec	428.9252014	0.223190963	0.308293551	0.006894588	66.7555542	0.049840521	168.8650665	0.000876874	0.000876874	4.77192E-06	0.007047111	0.001965086	0.140724242	0.014030853	5.51359E-06	46.50810242	4.16103E-05	0.000203361	0.000350693	0.002575117
2094 Jan	428.983551	0.223188892	0.308290362	0.006894516	66.75489807	0.049840063	168.8940125	0.000876867	0.000876867	4.77195E-06	0.007047546	0.001965324	0.140746742	0.014031126	5.51372E-06	46.51441574	4.16155E-05	0.000203371	0.000350723	0.002575394
2094 Feb	429.0008545	0.223189622	0.308291197	0.006894534	66.75511932	0.049840212	168.9023132	0.00087687	0.00087687	4.77199E-06	0.007047697	0.001965397	0.140753254	0.014031339	5.51379E-06	46.5163269	4.1617E-05	0.000203375	0.000350733	0.00257548
2094 Mar	429.0408325	0.223209903	0.308319122	0.006895159	66.76117706	0.049844734	168.9181213	0.000876951	0.000876951	4.77243E-06	0.007048347	0.001965581	0.140766397	0.014032665	5.51429E-06	46.52069092	4.16209E-05	0.000203394	0.000350766	0.00257572
2094 Apr	429.1464233	0.223264858	0.308394969	0.006896855	66.77761841	0.049857002	168.9596558	0.000877167	0.000877167	4.7736E-06	0.007050083	0.001966066	0.140801027	0.014036145	5.51565E-06	46.53215408	4.16311E-05	0.000203444	0.000350853	0.002576354
2094 May	429.535553	0.222890019	0.307766467	0.006885413	66.67383575	0.049804598	169.199646	0.00087699	0.00087699	4.77315E-06	0.007054992	0.001969188	0.140965775	0.01406664	5.51593E-06	46.6060524	4.16808E-05	0.000203822	0.000351553	0.002578658
2094 Jun	429.4747009	0.221909463	0.306150883	0.006856769	66.40631104	0.04968309	169.3099823	0.000876628	0.000876628	4.77129E-06	0.007060213	0.0019726	0.140996352	0.01412572	5.5142E-06	46.67464447	4.17183E-05	0.000204513	0.000352585	0.002579521

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2094 Jul	431.6413574	0.222590998	0.30708912	0.006878076	66.61312866	0.049851287	170.2424774	0.00087963	0.00087963	4.78844E-06	0.007090802	0.001982401	0.141759023	0.014177569	5.53521E-06	46.91139984	4.19275E-05	0.000205345	0.000354147	0.002591841
2094 Aug	434.4772034	0.22328262	0.308039039	0.006899488	66.82131958	0.050016344	171.5026093	0.000882505	0.000882505	4.80569E-06	0.007125516	0.001994795	0.14277482	0.014231754	5.55751E-06	47.21911621	4.2192E-05	0.000206265	0.000356036	0.002607273
2094 Sep	436.1208801	0.223091871	0.307699472	0.00689238	66.75695038	0.049998242	172.3454895	0.000882062	0.000882062	4.8054E-06	0.007139157	0.002001767	0.143437296	0.014236678	5.56029E-06	47.40114975	4.23426E-05	0.000206525	0.000356819	0.00261527
2094 Oct	437.2977295	0.222495839	0.306750655	0.006871878	66.56413269	0.049894754	173.0360107	0.000880151	0.000880151	4.79742E-06	0.00714434	0.002006646	0.143965945	0.014220468	5.55458E-06	47.53499603	4.24486E-05	0.000206499	0.000357134	0.002620242
2094 Nov	438.0921631	0.221940696	0.305851489	0.006852519	66.38145447	0.049796268	173.5305786	0.000878431	0.000878431	4.78994E-06	0.007147252	0.002010025	0.144339517	0.014204801	5.54862E-06	47.62813568	4.25203E-05	0.00020643	0.000357265	0.002623386
2094 Dec	438.1871338	0.221904486	0.305793017	0.006851258	66.36954498	0.049789783	173.5839539	0.000878318	0.000878318	4.78949E-06	0.007147773	0.00201042	0.144380346	0.014203993	5.54835E-06	47.63882446	4.25288E-05	0.000206433	0.000357295	0.002623797
2095 Jan	438.2739258	0.221900955	0.305787742	0.00685114	66.36843872	0.049788993	173.6270752	0.000878305	0.000878305	4.78952E-06	0.007148408	0.002010771	0.144413888	0.014204351	5.54854E-06	47.64819336	4.25365E-05	0.000206446	0.000357339	0.002624208
2095 Feb	438.2890625	0.22190246	0.30578962	0.006851182	66.36889648	0.049789313	173.6341553	0.000878312	0.000878312	4.78957E-06	0.007148556	0.002010837	0.144419461	0.014204612	5.54861E-06	47.64988708	4.25379E-05	0.000206451	0.000357349	0.002624286
2095 Mar	438.3253479	0.221913978	0.305805355	0.006851535	66.37232971	0.049791884	173.6497803	0.000878357	0.000878357	4.78984E-06	0.007149036	0.002010999	0.144432113	0.014205474	5.54894E-06	47.65384674	4.25413E-05	0.000206464	0.000357375	0.002624488
2095 Apr	438.4617615	0.221982807	0.305900156	0.006853658	66.39291382	0.049807325	173.7038269	0.00087863	0.00087863	4.79132E-06	0.007151258	0.002011625	0.144477054	0.014209913	5.55066E-06	47.66869354	4.25546E-05	0.000206529	0.000357487	0.002625304
2095 May	438.2295227	0.221819401	0.305594891	0.006847543	66.34677124	0.049783845	173.5965576	0.000878801	0.000878801	4.79192E-06	0.007152356	0.002012067	0.144390658	0.01424089	5.55078E-06	47.66957092	4.25464E-05	0.000206831	0.000357896	0.002624683
2095 Jun	438.09198	0.221607372	0.305170327	0.006839893	66.29069519	0.049769226	173.5314484	0.000879551	0.000879551	4.79549E-06	0.007158685	0.002013929	0.144338086	0.01429549	5.55404E-06	47.69750977	4.25606E-05	0.000207422	0.000358703	0.002625145
2095 Jul	440.0368042	0.222352594	0.306194752	0.006863114	66.51634979	0.049951859	174.3439178	0.000882775	0.000882775	4.81348E-06	0.00718818	0.002022897	0.145008579	0.014349702	5.57548E-06	47.91072845	4.27491E-05	0.000208243	0.00036019	0.002636544
2095 Aug	441.0436401	0.222169966	0.305920243	0.006857602	66.46659088	0.04995295	174.8677063	0.000882644	0.000882644	4.81405E-06	0.007196901	0.00202749	0.145428464	0.014354281	5.57802E-06	48.0247345	4.2841E-05	0.000208423	0.000360688	0.00264172
2095 Sep	442.5487976	0.222038656	0.305696756	0.006853099	66.42636871	0.049951922	175.6273041	0.000882548	0.000882548	4.8153E-06	0.00720977	0.002033981	0.146028891	0.014362255	5.58207E-06	48.19178391	4.29765E-05	0.000208709	0.000361435	0.002649138
2095 Oct	443.8103027	0.221912995	0.305490941	0.006848671	66.38530731	0.049932919	176.2698059	0.000882157	0.000882157	4.81481E-06	0.007219157	0.002039156	0.146530226	0.014364571	5.5839E-06	48.32920074	4.30899E-05	0.000208883	0.000362027	0.002655125
2095 Nov	444.395752	0.221648514	0.305053324	0.006839292	66.29697418	0.049887352	176.6069946	0.000881368	0.000881368	4.81162E-06	0.00722255	0.002041649	0.146787882	0.01435873	5.58181E-06	48.39633179	4.3143E-05	0.000208892	0.000362196	0.00265765
2095 Dec	444.5170898	0.221619144	0.305002242	0.006838208	66.28681946	0.049882598	176.6720276	0.000881289	0.000881289	4.81137E-06	0.007223471	0.002042167	0.146838084	0.014358559	5.58178E-06	48.40999603	4.31541E-05	0.000208904	0.000362244	0.002658209
2096 Jan	444.6066589	0.221614957	0.304996014	0.006838069	66.2855072	0.049881659	176.7166443	0.000881273	0.000881273	4.8114E-06	0.007224119	0.00204253	0.146872744	0.014358906	5.58197E-06	48.4196701	4.3162E-05	0.000208918	0.000362289	0.002658632
2096 Feb	444.634552	0.221620604	0.305003524	0.006838237	66.2871933	0.049882911	176.729187	0.000881296	0.000881296	4.81154E-06	0.007224438	0.002042653	0.146882758	0.014359473	5.58216E-06	48.42275238	4.31646E-05	0.000208927	0.000362309	0.002658781
2096 Mar	444.6616821	0.221634001	0.305021852	0.006838648	66.29119873	0.049885921	176.7399445	0.00088135	0.00088135	4.81184E-06	0.007224879	0.002042779	0.146891683	0.014360406	5.5825E-06	48.42574692	4.31672E-05	0.000208941	0.000362332	0.002658944
2096 Apr	444.7910767	0.221698552	0.305110574	0.006840638	66.3105011	0.049900442	176.7913513	0.000881607	0.000881607	4.81324E-06	0.007226984	0.002043375	0.146934435	0.014364622	5.58413E-06	48.4398613	4.31798E-05	0.000209002	0.000362438	0.002659718
2096 May	446.2935181	0.221624181	0.304967195	0.006837683	66.28882599	0.049887497	177.5274811	0.000881716	0.000881716	4.81544E-06	0.007240348	0.00205019	0.147507533	0.014390129	5.58897E-06	48.61455536	4.33196E-05	0.000209441	0.000363489	0.00266718
2096 Jun	444.8346558	0.218975648	0.300976574	0.006760806	65.54217529	0.049472801	177.244339	0.000877421	0.000877421	4.79284E-06	0.007224899	0.0020484	0.147169292	0.014390351	5.56437E-06	48.55543137	4.32566E-05	0.000209492	0.000363246	0.0026593
2096 Jul	445.6155701	0.219016939	0.300973147	0.006764645	65.5704422	0.049545392	177.6183014	0.000879163	0.000879163	4.80228E-06	0.007241774	0.002052948	0.147461131	0.014419077	5.57545E-06	48.65694046	4.33538E-05	0.000209981	0.000363952	0.002664598
2096 Aug	447.6885071	0.219591483	0.301752895	0.006782359	65.74346924	0.049687915	178.5261078	0.000881641	0.000881641	4.81675E-06	0.007269065	0.002062208	0.148198709	0.014464429	5.59362E-06	48.88370514	4.35495E-05	0.000210726	0.000365396	0.002676156
2096 Sep	448.7169189	0.219256431	0.301196605	0.006770552	65.63460541	0.049645398	179.0942993	0.000880745	0.000880745	4.81358E-06	0.007276495	0.002066682	0.148644432	0.014460168	5.59245E-06	49.00094604	4.36443E-05	0.000210823	0.000365788	0.002680994
2096 Oct	449.3423767	0.21852617	0.299992621	0.006744696	65.39151764	0.049520649	179.5406647	0.000878529	0.000878529	4.80352E-06	0.00727786	0.002069511	0.148978993	0.01443793	5.58365E-06	49.07932663	4.37027E-05	0.00021067	0.000365742	0.002683209
2096 Nov	449.5527649	0.218438566	0.29982388	0.00674119	65.35900879	0.049508974	179.6607056	0.000878352	0.000878352	4.8029E-06	0.007280098	0.002070526	0.149071664	0.014437722	5.58342E-06	49.1048851	4.37232E-05	0.000210695	0.000365812	0.002684206
2096 Dec	449.6273499	0.218436241	0.299820125	0.006741108	65.35823059	0.049508505	179.6976624	0.000878344	0.000878344	4.80294E-06	0.007280666	0.002070828	0.149100438	0.014438026	5.58359E-06	49.11291122	4.37298E-05	0.000210707	0.000365849	0.002684561
2097 Jan	449.6654358	0.218433961	0.299816728	0.006741032	65.35751343	0.049507998	179.7167053	0.000878336	0.000878336	4.80294E-06	0.007280936	0.002070982	0.149115235	0.014438165	5.58366E-06	49.11703873	4.37332E-05	0.000210712	0.000365868	0.00268474
2097 Feb	449.6717529	0.218433931	0.299816519	0.006741027	65.35749817	0.049507976	179.7197723	0.000878336	0.000878336	4.80295E-06	0.007280988	0.00207101	0.149117604	0.014438267	5.58368E-06	49.11776352	4.37337E-05	0.000210714	0.000365872	0.002684772
2097 Mar	449.6962891	0.218445808	0.299832761	0.006741392	65.3610611	0.049510665	179.7295837	0.000878384	0.000878384	4.80321E-06	0.007281386	0.002071125	0.14912574	0.014439091	5.58399E-06	49.12046814	4.37361E-05	0.000210726	0.000365893	0.002684919
2097 Apr	449.8656311	0.218528092	0.299945623	0.00674393	65.38567352	0.04952931	179.797226	0.000878715	0.000878715	4.80502E-06	0.00728413	0.002071905	0.149181873	0.014444551	5.58609E-06	49.13897705	4.37526E-05	0.000210806	0.000366031	0.00268593
2097 May	450.2227173	0.218661427	0.300091296	0.006747486	65.42649841	0.049564384	179.9356537	0.000879627	0.000879627	4.80989E-06	0.007291815	0.002074235	0.149296969	0.014473229	5.59153E-06	49.19017792	4.37935E-05	0.000211155	0.000366592	0.002688356
2097 Jun	448.6452942	0.217829138	0.298737258	0.006722124	65.19594574	0.04945033	179.2726746	0.000879194	0.000879194	4.80606E-06	0.00728426	0.002070967	0.148743927	0.014516526	5.58498E-06	49.08343506	4.36905E-05	0.000211498	0.000366705	0.002681571
2097 Jul	450.5194092	0.21841526	0.299533278	0.00674069	65.37529755	0.049603067	180.0788269	0.000882002	0.000882002	4.82194E-06	0.007311997	0.002079656	0.149402454	0.014565048	5.6042E-06	49.29102707	4.38742E-05	0.000212262	0.000368097	0.002692403
2097 Aug	452.0580139	0.218752682	0.299986541	0.006751189	65.47881317	0.049699694	180.7682648	0.000883644	0.000883644	4.83173E-06	0.007331728	0.002086618	0.149963021	0.014596274	5.61679E-06	49.46059799	4.40195E-05	0.000212787	0.000369142	0.002700982
2097 Sep	453.2915039	0.218863353	0.300113767	0.006754274	65.51096344	0.049738768	181.3525543	0.000884244	0.000884244	4.83607E-06	0.007344941	0.002091978	0.150430948	0.014611851	5.6234E-06	49.59607697	4.41342E-05	0.000213113	0.000369875	0.002707453
2097 Oct	453.7515869	0.218615711	0.299700946	0.006745433	65.42855835	0.049700029	181.6261902	0.000883503	0.000883503	4.833E-06	0.00734766	0.002093977	0.150642291	0.014605878	5.62123E-06	49.64962769	4.41771E-05	0.00021311	0.000369993	0.002709472
2097 Nov	453.8740845	0.218465552	0.299456388	0.006740165	65.37910461	0.049674615	181.7151489	0.000883034	0.000883034	4.83086E-06	0.007347787	0.002094518	0.150709301	0.014600989	5.61935E-06	49.66486359	4.41885E-05	0.000213076	0.00036998	0.002709901
2097 Dec	453.9133606	0.218433321	0.299405932	0.006739068	65.36875916	0.049668808	181.7405701	0.000882926	0.000882926	4.83037E-06	0.007347828	0.002094676	0.150728539	0.01459986	5.61894E-06	49.669384	4.4192E-05	0.000213069	0.000369984	0.002710047
2098 Jan	453.9801331	0.218430221	0.299401164	0.006738962	65.36777496	0.049668118	181.773819	0.000882915	0.000882915	4.83039E-06	0.007348315	0.002094948	0.150754362	0.01460015	5.61908E-06	49.67662048	4.41979E-05	0.000213079	0.000370017	0.002710363
2098 Feb	453.9928589	0.218431577	0.299402803	0.006738998	65.36817932	0.049668409	181.7797089	0.000882921	0.000882921	4.83044E-06	0.007348443	0.002095005	0.150759026	0.014600413	5.61915E-06	49.67806625	4.4199E-05	0.000213083	0.000370027	0.002710429
2098 Mar	454.0090332	0.21843943	0.299413383	0.006739237	65.37052155	0.049670182	181.7861328	0.000882953	0.000882953	4.83061E-06	0.007348709	0.002095081	0.150764346	0.014601002	5.61935E-06	49.67987442	4.42006E-05	0.000213092	0.000370041	0.002710527
2098 Apr	454.0958252	0.21848239	0.29946816	0.006740475	65.38336945	0.049679823	181.8196716	0.000883142	0.000883142	4.83163E-06	0.007350218	0.002095546	0.150792122	0.014605813	5.62052E-06	49.6906395	4.42093E-05	0.000213151	0.000370144	0.002711078
2098 May	453.588623	0.218227193	0.298986822	0.006730849	65.31072998	0.049638953	181.5809784	0.000883366	0.000883366	4.83218E-06	0.007350225	0.002095654	0.150597379	0.014654871	5.62002E-06	49.67750549	4.41817E-05	0.000213601	0.000370733	0.002709359
2098 Jun	449.1247864	0.216103509	0.295683026	0.006667777	64.71617889	0.049312491	179.729187	0.000880098	0.000880098	4.81121E-06	0.007312141	0.002082164	0.149046078	0.014679924	5.59153E-06	49.3056488	4.38382E-05	0.000213458	0.000369585	0.00268805
2098 Jul	450.8701172	0.216762096	0.296569377	0.00668879	64.91820526	0.049483877	180.4595184	0.000883298	0.000883298	4.82885E-06	0.007340782	0.002090491	0.149645537	0.014733763	5.6123E-06	49.50151825	4.40142E-05	0.000214278	0.000370988	0.00269851
2098 Aug	452.3117676	0.216739863	0.296509117	0.006688035	64.91473389	0.049517073	181.1669159	0.000883743	0.000883743	4.83272E-06	0.007355355	0.002096951	0.150214076	0.014748541	5.61888E-06	49.66252899	4.41466E-05	0.00021463	0.000371792	0.002706053
2098 Sep	453.0667419	0.215998724	0.295346498	0.006662974	64.67940521	0.049399614	181.6760254	0.000881512	0.000881512	4.82274E-06	0.007356308	0.002100227	0.15060401	0.014724909	5.61048E-06	49.75295258	4.42128E-05	0.000214496	0.000371805	0.0027089
2098 Oct	453.6643372	0.215164155	0.293986976	0.00663558	64.41440582	0.049268235	182.1325836	0.000879325	0.000879325	4.81274E-06	0.007357343	0.00210311	0.150928169	0.014703001	5.60179E-06	49.83376694	4.42719E-05	0.000214355	0.000371775	0.002711108
2098 Nov	453.6154175	0.214815065	0.293410927	0.006624853	64.30757904	0.049220812	182.1787109	0.000878632	0.000878632	4.80928E-06	0.007356294	0.00210326	0.150943965	0.014695742	5.59839E-06	49.83855438	4.42724E-05	0.000214289	0.00037166	0.002710767
2098 Dec	453.7010498	0.214816436	0.293411791	0.006624877	64.30783844	0.04922127	182.2203827	0.000878641	0.000878641	4.80942E-06	0.007357034	0.002103614	0.150976613	0.014696345	5.59868E-06	49.84782028	4.42801E-05	0.000214305	0.000371705	0.002711186
2099 Jan	453.7543335	0.21481511	0.293409616	0.006624829	64.30740356	0.049220975	182.2467041	0.000878637	0.000878637	4.80946E-06	0.00735744	0.002103832	0.150997102	0.014696626	5.59881E-06	49.85358429	4.42848E-05	0.000214314	0.000371733	0.002711441
2099 Feb	453.7895508	0.214815766	0.293410361	0.006624845	64.30760193	0.04922111	182.2637939	0.00087864	0.00087864	4.80951E-06	0.007357732	0.002103978	0.151010469	0.014696931	5.59893E-06	49.85742188	4.4288E-05	0.000214321	0.000371753	0.002711613
2099 Mar	453.848175	0.214842469	0.29344672	0.006625667	64.31559753	0.049227223	182.2875061	0.000878749	0.000878749	4.81011E-06	0.007358666	0.00210425	0.151030049	0.014698815	5.59963E-06	49.86388397	4.42937E-05	0.000214349	0.000371801	0.002711961
2099 Apr	454.090332	0.214950636	0.293587118	0.006628845	64.34794617	0.049251791	182.3841705	0.000879217	0.000879217	4.81267E-06	0.007362626	0.002105477	0.151109695	0.014709757	5.60261E-06	49.89268494	4.43175E-05	0.000214491	0.000372052	0.002713446
2099 May	451.8761902	0.213912249	0.291798264	0.006595386	64.05859375	0.049090397	181.4272614	0.00087842	0.00087842	4.80621E-06	0.007347671	0.002101283	0.150291935	0.014799131	5.59216E-06	49.75840378	4.41545E-05	0.000215138	0.000372712	0.002704089
2099 Jun	450.2802429	0.212907478	0.290219933	0.006567064	63.78490448	0.048961565	180.8130493	0.000877301	0.000877301	4.79894E-06	0.00733611	0.002097175	0.149755895	0.014814133	5.58243E-06	49.64036179	4.40448E-05	0.000215198	0.000372431	0.002696933
2099 Jul	452.2637329	0.213432282	0.290928274	0.0065837	63.94611359	0.049102332	181.6837769	0.000879895	0.000879895	4.81389E-06	0.007363942	0.002106296	0.150463313	0.014861072	5.60094E-06	49.86031342	4.4238E-05	0.000215957	0.000373862	0.002708201
2099 Aug	454.3234558	0.213869378	0.291502327	0.006597092	64.07901764	0.049228739	182.6093445	0.000882047	0.000882047	4.82677E-06	0.007390376	0.002115631	0.151215553	0.014903066	5.61757E-06	50.0884285	4.44326E-05	0.000216677	0.000375261	0.002719643
2099 Sep	455.0231628	0.21342814	0.290814877	0.006582323	63.94095612	0.04916583	183.0340424	0.000880799	0.000880799	4.82152E-06	0.007393204	0.002118669	0.151546448	0.014891051	5.61373E-06	50.16962051	4.4494E-05	0.000216657	0.000375402	0.002722626
2099 Oct	455.5932617	0.21298553	0.290094733	0.006566744	63.79451752	0.049089652	183.3990631	0.000879386	0.000879386	4.81529E-06	0.007395063	0.002121068	0.151824266	0.01487661	5.60863E-06	50.23620224	4.45457E-05	0.000216577	0.000375452	0.002724856
2099 Nov	455.8479614	0.212716654	0.289666235	0.006557426	63.7064743	0.049040794	183.5755463	0.000878495	0.000878495	4.81124E-06	0.007395038	0.0021221	0.151956424	0.014866686	5.60509E-06	50.26615906	4.45681E-05	0.000216503	0.00037543	0.002725712
2099 Dec	455.9065247	0.212720364	0.289670527	0.006557527	63.70746994	0.049041741	183.6035461	0.000878513	0.000878513	4.81139E-06	0.007395597	0.002122346	0.151978463	0.014867268	5.60534E-06	50.27251816	4.45735E-05	0.000216516	0.000375463	0.002726005
2100 Jan	455.9873657	0.212714911	0.289662778	0.006557352	63.70580292	0.049040493	183.6441193	0.000878491	0.000878491	4.81138E-06	0.007396145	0.002122669	0.152009934	0.014867448	5.60547E-06	50.28121185	4.45806E-05	0.000216527	0.000375502	0.002726382
2100 Feb	456.0145264	0.212714031	0.289661407	0.006557321	63.70553207	0.049040269	183.6575317	0.000878488	0.000878488	4.81139E-06	0.007396345	0.002122781	0.152020365	0.014867619	5.60554E-06	50.28416824	4.4583E-05	0.000216532	0.000375516	0.002726512
2100 Mar	456.0272522	0.212719545	0.289668858	0.00655749	63.70718765	0.049041539	183.6627197	0.000878511	0.000878511	4.81152E-06	0.007396546	0.002122841	0.152024627	0.014868053	5.60569E-06	50.28559875	4.45842E-05	0.000216538	0.000375527	0.002726587
2100 Apr	456.2179565	0.212808535	0.289789945	0.006560231	63.7338295	0.049062047	183.739502	0.000878879	0.000878879	4.81353E-06	0.007399641	0.00212373	0.15208818	0.014874296	5.60803E-06	50.30664444	4.46029E-05	0.000216629	0.000375685	0.002727728
2100 May	456.8899536	0.212527394	0.289281219	0.006550462	63.65476608	0.049018793	184.0876923	0.000879065	0.000879065	4.81518E-06	0.007408676	0.002128436	0.152346566	0.014922665	5.61079E-06	50.41693497	4.46801E-05	0.000217216	0.000376762	0.002731583
2100 Jun	452.7353516	0.21041666	0.286006242	0.006489469	63.06908417	0.048707012	182.3967896	0.000876073	0.000876073	4.79587E-06	0.007373929	0.002115963	0.150907859	0.014940043	5.58459E-06	50.0735817	4.43659E-05	0.000217052	0.000375598	0.002711795
2100 Jul	453.6469727	0.210281163	0.285786122	0.006486837	63.03984833	0.048723698	182.8666534	0.000876601	0.000876601	4.79952E-06	0.007386034	0.002120453	0.151275545	0.014952288	5.59009E-06	50.18223572	4.44648E-05	0.000217354	0.000376172	0.002716889
2100 Aug	454.392334	0.2100375	0.285419017	0.006479322	62.97084045	0.04871393	183.2731934	0.000876287	0.000876287	4.7989E-06	0.007392005	0.002123964	0.151602387	0.014952503	5.59098E-06	50.2685585	4.45317E-05	0.000217467	0.000376485	0.002720664
2100 Sep	455.4564209	0.209835216	0.285092354	0.006472699	62.90943146	0.048699163	183.8306274	0.000875958	0.000875958	4.79853E-06	0.007400492	0.002128619	0.152041063	0.014954583	5.59262E-06	50.38848495	4.46271E-05	0.000217639	0.000376963	0.002725831
2100 Oct	456.2824707	0.209743157	0.28492862	0.006469367	62.87854004	0.04868931	184.2541351	0.00087574	0.00087574	4.7984E-06	0.007407238	0.00213209	0.152371883	0.014956783	5.59403E-06	50.479702	4.47027E-05	0.000217765	0.000377354	0.002729833
2100 Nov	456.4421387	0.209741831	0.284916669	0.006469262	62.87760162	0.048692204	184.3330688	0.000875794	0.000875794	4.79884E-06	0.007409006	0.002132808	0.152433679	0.014958656	5.59477E-06	50.49786758	4.4718E-05	0.000217806	0.000377446	0.002730671
2100 Dec	456.5495911	0.209747538	0.284923941	0.006469429	62.87923431	0.048693586	184.384613	0.000875819	0.000875819	4.79909E-06	0.007409975	0.002133254	0.152474195	0.0149596	5.59521E-06	50.50947189	4.47277E-05	0.000217828	0.000377505	0.002731204
2101 Jan	456.6796265	0.209740803	0.284914523	0.006469215	62.87717819	0.048692018	184.4495392	0.000875791	0.000875791	4.79909E-06	0.007410883	0.002133774	0.15252462	0.014959941	5.59545E-06	50.52341843	4.47391E-05	0.000217846	0.000377568	0.002731814
2101 Feb	456.7445984	0.209737003	0.284909248	0.006469095	62.8760376	0.04869112	184.4820404	0.000875776	0.000875776	4.79909E-06	0.007411326	0.002134034	0.152549848	0.01496012	5.59556E-06	50.53040314	4.47448E-05	0.000217855	0.0003776	0.002732118
2101 Mar	456.7585754	0.209741101	0.284914732	0.00646922	62.87726593	0.048692066	184.4880981	0.000875793	0.000875793	4.79919E-06	0.007411513	0.002134098	0.152554736	0.014960472	5.59569E-06	50.53195572	4.47462E-05	0.000217861	0.000377611	0.002732196
2101 Apr	456.8752747	0.209792838	0.284984827	0.006470812	62.8927803	0.04870408	184.5355377	0.00087601	0.00087601	4.80038E-06	0.007413376	0.002134643	0.152593881	0.014964271	5.59708E-06	50.54491043	4.47576E-05	0.000217916	0.000377707	0.002732891
2101 May	456.3135681	0.209544748	0.28451401	0.006462558	62.82583618	0.048675429	184.2766724	0.000876461	0.000876461	4.80195E-06	0.007413854	0.002134439	0.152375236	0.015008296	5.59758E-06	50.52397537	4.47271E-05	0.000218324	0.000378174	0.002731008

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2101 Jun	453.7458191	0.208243161	0.282465607	0.006425143	62.46818161	0.048495483	183.227829	0.000874985	0.000874985	4.79184E-06	0.007394718	0.002127231	0.151481137	0.015030982	5.58324E-06	50.32016754	4.45392E-05	0.000218361	0.000377635	0.002719175
2101 Jul	455.5750427	0.208827198	0.283244997	0.006443712	62.6473732	0.048648391	184.0134583	0.000877834	0.000877834	4.80785E-06	0.00742251	0.002135805	0.152120262	0.015081683	5.60254E-06	50.52526474	4.4721E-05	0.000219154	0.000379051	0.00272985
2101 Aug	457.5492859	0.209368244	0.283971876	0.006460416	62.81122589	0.048787057	184.8787384	0.000880252	0.000880252	4.82192E-06	0.007449054	0.002144743	0.152824089	0.015127272	5.62016E-06	50.74314499	4.49093E-05	0.000219892	0.000380468	0.002740973
2101 Sep	458.5361328	0.209048375	0.283455223	0.00644941	62.70937729	0.048748728	185.4219208	0.000879439	0.000879439	4.81911E-06	0.007455859	0.002149018	0.15325141	0.015122447	5.61925E-06	50.8548317	4.49979E-05	0.000219981	0.000380821	0.002745575
2101 Oct	459.5838928	0.208849803	0.283124685	0.006442269	62.6427536	0.048716962	185.9741821	0.000878815	0.000878815	4.81725E-06	0.007463252	0.002153337	0.153681159	0.0151203	5.61934E-06	50.97000122	4.50922E-05	0.000220084	0.000381249	0.002750438
2101 Nov	459.8447266	0.208496779	0.282556832	0.006429899	62.52590561	0.04865275	186.1702271	0.000877643	0.000877643	4.81184E-06	0.007462751	0.002154392	0.153827012	0.015106517	5.61446E-06	51.00130081	4.51151E-05	0.00021997	0.000381171	0.0027512
2101 Dec	459.8746338	0.208466306	0.282499075	0.006428684	62.51454163	0.048648171	186.1907959	0.000877573	0.000877573	4.81153E-06	0.007463117	0.002154556	0.153842524	0.015105962	5.61421E-06	51.00535583	4.51181E-05	0.000219968	0.000381169	0.002751326
2102 Jan	459.9361877	0.208462059	0.282492876	0.006428544	62.51323318	0.048647199	186.2217102	0.000877556	0.000877556	4.81152E-06	0.007463538	0.002154804	0.1538665	0.015106134	5.61431E-06	51.01200104	4.51236E-05	0.000219976	0.000381199	0.002751613
2102 Feb	459.9458618	0.208463833	0.282495022	0.006428594	62.51375198	0.048647594	186.2260437	0.000877565	0.000877565	4.81157E-06	0.007463651	0.002154849	0.153869942	0.015106404	5.61437E-06	51.01312256	4.51245E-05	0.00021998	0.000381207	0.002751666
2102 Mar	459.9654236	0.208471105	0.282504708	0.006428814	62.51593018	0.048649278	186.2342377	0.000877596	0.000877596	4.81174E-06	0.007463941	0.002154941	0.153876618	0.01510701	5.61458E-06	51.01531982	4.51263E-05	0.000219989	0.000381223	0.00275178
2102 Apr	460.0518494	0.208510265	0.282557726	0.006430021	62.52767944	0.048658416	186.2691956	0.000877761	0.000877761	4.81265E-06	0.007465344	0.002155347	0.153905526	0.015109883	5.61564E-06	51.02492905	4.51348E-05	0.000220031	0.000381295	0.002752297
2102 May	460.4710388	0.208698928	0.282813251	0.006435837	62.58427429	0.048702531	186.4391479	0.000878556	0.000878556	4.81701E-06	0.007472135	0.002157312	0.154045939	0.015123652	5.62074E-06	51.07146454	4.5176E-05	0.000220231	0.000381643	0.002754804
2102 Jun	458.492218	0.207027256	0.280432701	0.006389636	62.11457062	0.04845193	185.7489166	0.000876235	0.000876235	4.80363E-06	0.007458526	0.002150768	0.153456986	0.015072824	5.60423E-06	50.8884697	4.50573E-05	0.000219759	0.000380119	0.002744129
2102 Jul	457.6463623	0.206399485	0.279484749	0.0063744	61.95159531	0.048411358	185.4399719	0.000876661	0.000876661	4.80487E-06	0.007460514	0.002149024	0.15319179	0.015072236	5.60431E-06	50.82388687	4.50239E-05	0.00021983	0.000379731	0.002740795
2102 Aug	458.9122314	0.206682518	0.279849261	0.006383109	62.03863907	0.04850227	186.0049744	0.000878212	0.000878212	4.81393E-06	0.00747809	0.002154972	0.153655276	0.015101695	5.61569E-06	50.96616364	4.51452E-05	0.000220317	0.000380629	0.002748047
2102 Sep	459.4523315	0.20667094	0.279787213	0.006382138	62.03237534	0.048521996	186.2716675	0.00087848	0.00087848	4.81589E-06	0.007485	0.002157571	0.153873235	0.01510937	5.61869E-06	51.02889633	4.51973E-05	0.000220484	0.000380942	0.002751029
2102 Oct	459.0506592	0.206082627	0.278854847	0.006361733	61.84025574	0.048416179	186.1896667	0.000876453	0.000876453	4.8056E-06	0.007477024	0.002155868	0.153799444	0.015080792	5.60782E-06	50.99033737	4.51606E-05	0.000220141	0.000380387	0.002748291
2102 Nov	459.360199	0.206080377	0.278842062	0.006361499	61.8383255	0.048417434	186.3418884	0.000876477	0.000876477	4.80606E-06	0.00747984	0.002157172	0.153918877	0.015082975	5.60884E-06	51.02419662	4.51888E-05	0.000220201	0.000380547	0.002749817
2102 Dec	459.4879456	0.206079111	0.278839856	0.006361451	61.83787155	0.048417188	186.4046783	0.000876473	0.000876473	4.80619E-06	0.007480841	0.002157691	0.153967872	0.015083606	5.6092E-06	51.03792572	4.52001E-05	0.000220222	0.000380612	0.00275043
2103 Jan	459.4992065	0.206080258	0.278841138	0.006361481	61.83818817	0.048417471	186.4099426	0.000876479	0.000876479	4.80623E-06	0.00748096	0.002157741	0.153972059	0.015083795	5.60926E-06	51.03918457	4.52012E-05	0.000220226	0.000380619	0.002750488
2103 Feb	459.5095825	0.206084982	0.278847367	0.006361624	61.83960342	0.048418567	186.4141235	0.000876499	0.000876499	4.80634E-06	0.007481132	0.002157791	0.153975487	0.015084201	5.60939E-06	51.04037857	4.52022E-05	0.000220231	0.000380629	0.002750551
2103 Mar	459.5329285	0.206095472	0.278861523	0.006361946	61.84275055	0.048421029	186.4235687	0.000876544	0.000876544	4.80658E-06	0.007481514	0.002157902	0.153983295	0.015085003	5.60967E-06	51.04299164	4.52045E-05	0.000220243	0.000380649	0.002750691
2103 Apr	459.6536865	0.206149653	0.278934807	0.006363618	61.85900879	0.048433755	186.4725342	0.000876775	0.000876775	4.80785E-06	0.007483481	0.00215847	0.154023737	0.015088988	5.61115E-06	51.05641937	4.52164E-05	0.000220301	0.000380749	0.002751414
2103 May	460.9109497	0.205939487	0.278550833	0.006356261	61.79992676	0.048400912	187.1012115	0.000876947	0.000876947	4.81008E-06	0.007496354	0.002165117	0.154503778	0.015131203	5.61554E-06	51.22119904	4.53417E-05	0.000220889	0.000381973	0.002757953
2103 Jun	458.5447693	0.20387502	0.275358886	0.006295609	61.22350311	0.04807952	186.271759	0.000873776	0.000873776	4.79186E-06	0.007474421	0.002159755	0.153743058	0.015158964	5.59354E-06	51.06727982	4.51822E-05	0.000221017	0.00038174	0.002746509
2103 Jul	459.203949	0.203830659	0.275254875	0.006296095	61.22364044	0.048127674	186.6000214	0.000874928	0.000874928	4.79829E-06	0.007487259	0.002163586	0.154001996	0.015179182	5.60137E-06	51.15219116	4.52611E-05	0.000221369	0.000382283	0.002750821
2103 Aug	460.1203613	0.203651547	0.274994344	0.006291212	61.17787552	0.04814421	187.0729675	0.000875238	0.000875238	4.80095E-06	0.007496931	0.002168205	0.154382959	0.015188275	5.60579E-06	51.2584343	4.53448E-05	0.000221547	0.000382752	0.002755837
2103 Sep	460.889801	0.203316554	0.274431169	0.006279551	61.06864929	0.048101474	187.5161743	0.000874375	0.000874375	4.79764E-06	0.007502413	0.002171611	0.15472661	0.015182137	5.60401E-06	51.34796524	4.54165E-05	0.000221592	0.000382996	0.002759421
2103 Oct	460.1044617	0.202479705	0.273043662	0.006252834	60.80652237	0.04798267	187.3007355	0.000872483	0.000872483	4.78751E-06	0.007494049	0.002169102	0.154515833	0.015156535	5.59278E-06	51.28449249	4.5356E-05	0.000221264	0.0003823	0.002755232
2103 Nov	459.9508667	0.202248529	0.272653252	0.006245556	60.73445511	0.047952436	187.272644	0.000872038	0.000872038	4.78516E-06	0.007492684	0.002168735	0.154480338	0.015151143	5.59024E-06	51.27494431	4.53458E-05	0.000221201	0.000382155	0.002754441
2103 Dec	460.0678406	0.202244684	0.272647321	0.006245425	60.73319626	0.047951609	187.3306427	0.000872024	0.000872024	4.78522E-06	0.007493559	0.002169208	0.154525504	0.015151569	5.59051E-06	51.28750992	4.53562E-05	0.000221218	0.000382213	0.002754996
2104 Jan	460.0744324	0.202244848	0.272647202	0.006245424	60.73321152	0.047951665	187.3338165	0.000872025	0.000872025	4.78524E-06	0.007493625	0.002169237	0.154527977	0.015151685	5.59054E-06	51.28826904	4.53568E-05	0.00022122	0.000382217	0.002755029
2104 Feb	460.0780334	0.202246502	0.272649288	0.006245472	60.73370743	0.047952041	187.3352203	0.000872033	0.000872033	4.78528E-06	0.007493687	0.002169257	0.154529139	0.015151887	5.59059E-06	51.28871918	4.53572E-05	0.000221223	0.000382221	0.002755052
2104 Mar	460.1028442	0.202257469	0.272663981	0.006245808	60.7369957	0.047954638	187.3453064	0.000872081	0.000872081	4.78554E-06	0.007494094	0.002169375	0.154537454	0.01515275	5.59089E-06	51.29151535	4.53596E-05	0.000221235	0.000382243	0.002755202
2104 Apr	460.2943726	0.202341512	0.272777259	0.006248402	60.76223755	0.04797456	187.4233093	0.000872443	0.000872443	4.78753E-06	0.007497212	0.002170279	0.154601783	0.015159072	5.59322E-06	51.31287766	4.53785E-05	0.000221327	0.000382402	0.002756349
2104 May	460.1899719	0.202011541	0.272170097	0.006237426	60.67206955	0.04793106	187.3971405	0.000872826	0.000872826	4.78926E-06	0.007501533	0.002172293	0.154560104	0.015213118	5.59468E-06	51.34864044	4.53916E-05	0.000221892	0.000383236	0.00275672
2104 Jun	456.71521	0.200326338	0.269559801	0.006188699	60.2062149	0.04768252	185.9730225	0.00087031	0.00087031	4.77303E-06	0.007471716	0.002161623	0.153351501	0.015222512	5.57271E-06	51.05727768	4.51253E-05	0.00022172	0.000382231	0.002740153
2104 Jul	457.9064026	0.200597063	0.269905984	0.006197923	60.29460526	0.047779564	186.5026245	0.000872198	0.000872198	4.78366E-06	0.007491001	0.002167537	0.153782696	0.015258758	5.58556E-06	51.19500732	4.5249E-05	0.000222259	0.000383161	0.002747306
2104 Aug	459.1600037	0.200769141	0.270118535	0.006203272	60.34922409	0.047849581	187.0817719	0.000873367	0.000873367	4.79084E-06	0.007506925	0.00217338	0.154254392	0.015282824	5.59507E-06	51.33597946	4.53678E-05	0.000222682	0.000383991	0.002754314
2104 Sep	459.5628357	0.200414717	0.269561201	0.00619125	60.23739624	0.047802549	187.3451691	0.000872383	0.000872383	4.78655E-06	0.007508154	0.002175197	0.154462144	0.015271846	5.59163E-06	51.38395691	4.54024E-05	0.000222637	0.000384005	0.002755971
2104 Oct	459.5157776	0.199920714	0.268739372	0.006174056	60.07384491	0.047722414	187.4203033	0.00087094	0.00087094	4.77948E-06	0.007505611	0.002175196	0.154507667	0.015253457	5.58461E-06	51.38667679	4.54005E-05	0.000222447	0.000383717	0.002755267
2104 Nov	459.4220276	0.199776128	0.268488586	0.006169345	60.02760315	0.047704224	187.404007	0.000870672	0.000870672	4.77806E-06	0.007505012	0.002175	0.154487103	0.015250286	5.58308E-06	51.38119125	4.53947E-05	0.000222411	0.000383625	0.002754798
2104 Dec	459.5293579	0.199774697	0.268486142	0.006169292	60.02709198	0.047703937	187.4568634	0.000870668	0.000870668	4.77816E-06	0.007505849	0.002175436	0.154528335	0.015250798	5.58337E-06	51.39273834	4.54042E-05	0.000222428	0.000383679	0.002755313
2105 Jan	459.5877991	0.199770629	0.26848042	0.006169161	60.02584076	0.047702972	187.4862213	0.000870651	0.000870651	4.77814E-06	0.007506238	0.002175669	0.154551104	0.015250906	5.58345E-06	51.3990097	4.54093E-05	0.000222436	0.000383707	0.002755584
2105 Feb	459.5958557	0.199772269	0.268482476	0.006169208	60.02633286	0.047703352	187.4898071	0.000870658	0.000870658	4.77819E-06	0.007506336	0.002175706	0.154553965	0.01525112	5.58351E-06	51.39993286	4.54101E-05	0.000222439	0.000383713	0.002755628
2105 Mar	459.605011	0.199776024	0.268487453	0.006169323	60.02746201	0.047704242	187.4935608	0.000870675	0.000870675	4.77828E-06	0.007506482	0.00217575	0.154557034	0.015251443	5.58362E-06	51.40097427	4.5411E-05	0.000222444	0.000383721	0.002755683
2105 Apr	459.7098083	0.199821576	0.268548638	0.006170728	60.04114532	0.047715116	187.5363159	0.000870873	0.000870873	4.77937E-06	0.007508195	0.002176247	0.154592291	0.015254941	5.58489E-06	51.41270828	4.54214E-05	0.000222494	0.000383809	0.002756312
2105 May	459.7312317	0.199547201	0.268053263	0.00616163	59.96602249	0.047678187	187.5698395	0.000871083	0.000871083	4.78041E-06	0.007512028	0.002178203	0.154602364	0.015296322	5.58592E-06	51.45132828	4.54406E-05	0.000222939	0.0003845	0.00275707
2105 Jun	458.5733643	0.198893785	0.26697287	0.006142417	59.78984451	0.047598977	187.0944977	0.000870908	0.000870908	4.77824E-06	0.007507185	0.002176118	0.154192209	0.015334448	5.58184E-06	51.38025284	4.5368E-05	0.000223263	0.000384695	0.002752354
2105 Jul	460.0820923	0.199218035	0.267405272	0.006152786	59.89179993	0.047701273	187.769165	0.00087275	0.00087275	4.78901E-06	0.007528146	0.0021832	0.154742748	0.015369233	5.59536E-06	51.54920197	4.55154E-05	0.000223826	0.000385775	0.002760993
2105 Aug	460.9768066	0.198810339	0.26682055	0.006140347	59.77517319	0.047662534	188.278244	0.000871877	0.000871877	4.78584E-06	0.007532862	0.002187223	0.155147269	0.015361254	5.59401E-06	51.65055847	4.55922E-05	0.000223854	0.00038605	0.002765214
2105 Sep	461.4490356	0.197957501	0.265484363	0.006113791	59.51708221	0.047544032	188.6746826	0.00086982	0.00086982	4.77634E-06	0.007531943	0.002189624	0.155426562	0.015337475	5.58567E-06	51.71757126	4.56354E-05	0.000223704	0.000385936	0.00276687
2105 Oct	461.5484924	0.197247714	0.264327526	0.006091624	59.2984848	0.047441758	188.8677216	0.000868167	0.000868167	4.76835E-06	0.007530091	0.002190501	0.155538514	0.015318451	5.57814E-06	51.74485016	4.56512E-05	0.000223542	0.000385735	0.002766954
2105 Nov	461.3859558	0.196993917	0.263904512	0.006083633	59.21951294	0.047406815	188.8399048	0.000867632	0.000867632	4.76554E-06	0.007528303	0.002190071	0.155502021	0.015311584	5.57513E-06	51.73423004	4.56399E-05	0.000223462	0.000385568	0.00276607
2105 Dec	461.4558716	0.196991339	0.26390034	0.006083541	59.21863556	0.047406279	188.8746185	0.000867623	0.000867623	4.76557E-06	0.007528831	0.002190354	0.155529082	0.015311833	5.57529E-06	51.74175262	4.56461E-05	0.000223472	0.000385602	0.002766402
2106 Jan	461.4615479	0.19699128	0.263899952	0.006083533	59.21858978	0.047406282	188.8773804	0.000867624	0.000867624	4.76559E-06	0.007528885	0.00219038	0.155531213	0.015311932	5.57531E-06	51.74241257	4.56467E-05	0.000223474	0.000385606	0.00276643
2106 Feb	461.4634705	0.19699192	0.263900638	0.006083549	59.21878052	0.047406424	188.8781586	0.000867627	0.000867627	4.7656E-06	0.007528916	0.002190391	0.155531839	0.015312064	5.57534E-06	51.74267578	4.56469E-05	0.000223476	0.000385609	0.002766442
2106 Mar	461.475708	0.196997195	0.263907611	0.00608371	59.2203598	0.047407683	188.8831329	0.000867651	0.000867651	4.76573E-06	0.007529118	0.00219045	0.155535936	0.015312515	5.57548E-06	51.74407196	4.56481E-05	0.000223482	0.000385619	0.002766516
2106 Apr	461.6142578	0.197056368	0.263986826	0.006085536	59.23814774	0.047421921	188.9398193	0.000867911	0.000867911	4.76716E-06	0.00753138	0.002191109	0.155582622	0.015317138	5.57716E-06	51.7596283	4.56618E-05	0.000223549	0.000385736	0.002767347
2106 May	462.2090454	0.197124347	0.264039665	0.006087196	59.25980759	0.047443591	189.2072144	0.00086861	0.00086861	4.77125E-06	0.00754004	0.002194357	0.155794054	0.015343959	5.58225E-06	51.8366127	4.57231E-05	0.000223905	0.000386382	0.002770789
2106 Jun	458.9236755	0.1952824	0.261209995	0.006034152	58.74956512	0.047169015	187.8930664	0.000866213	0.000866213	4.75583E-06	0.007514274	0.002184853	0.154666647	0.015358032	5.56137E-06	51.57051086	4.54854E-05	0.000223827	0.000385458	0.00275501
2106 Jul	459.9732666	0.195358872	0.261262685	0.006038535	58.7869339	0.047249943	188.3879089	0.000868093	0.000868093	4.76627E-06	0.007534054	0.002190612	0.155060545	0.015390758	5.57389E-06	51.70045853	4.56063E-05	0.000224381	0.000386318	0.002761628
2106 Aug	461.0850525	0.195074201	0.26084882	0.006030031	58.70783615	0.047241703	188.9785614	0.00086783	0.00086783	4.76634E-06	0.007543032	0.002195769	0.155533016	0.015392561	5.57613E-06	51.82640839	4.57048E-05	0.000224528	0.000386795	0.002767254
2106 Sep	462.0189209	0.194485798	0.25993821	0.006010729	58.52514267	0.047158379	189.5451813	0.000866238	0.000866238	4.75966E-06	0.007546486	0.002199795	0.155969679	0.015375657	5.57131E-06	51.93436813	4.5784E-05	0.000224491	0.00038695	0.002771162
2106 Oct	462.8465271	0.194228739	0.259503037	0.006002205	58.44257736	0.047122907	190.0030212	0.000865636	0.000865636	4.75764E-06	0.007552575	0.002203369	0.15631637	0.015373051	5.57087E-06	52.0294838	4.58608E-05	0.00022457	0.000387273	0.002775038
2106 Nov	463.0561523	0.194250241	0.259529889	0.006002851	58.44888306	0.047128566	190.1016846	0.000865741	0.000865741	4.75839E-06	0.007554748	0.002204267	0.156394303	0.015375773	5.572E-06	52.05241394	4.58802E-05	0.000224624	0.000387399	0.002776118
2106 Dec	463.1394958	0.194249243	0.25952819	0.006002814	58.4485321	0.047128361	190.1426849	0.000865738	0.000865738	4.75847E-06	0.007555399	0.002204604	0.156426311	0.015376174	5.57222E-06	52.06137085	4.58876E-05	0.000224638	0.000387441	0.002776518
2107 Jan	463.146759	0.194249585	0.259528458	0.006002821	58.44861603	0.047128454	190.1461487	0.00086574	0.00086574	4.75848E-06	0.007555469	0.002204636	0.156429008	0.015376277	5.57225E-06	52.06217957	4.58882E-05	0.000224639	0.000387445	0.002776554
2107 Feb	463.1576843	0.194252953	0.259532869	0.006002923	58.44962692	0.047129262	190.1508484	0.000865755	0.000865755	4.75857E-06	0.007555624	0.002204688	0.156432822	0.015376605	5.57236E-06	52.06342316	4.58893E-05	0.000224644	0.000387454	0.002776617
2107 Mar	463.1885681	0.194265276	0.25954926	0.006003302	58.45333481	0.04713225	190.16362	0.00086581	0.00086581	4.75888E-06	0.007556116	0.002204834	0.156443298	0.015377613	5.57272E-06	52.06690216	4.58923E-05	0.000224659	0.0003848	0.002776801
2107 Apr	463.2583008	0.194294363	0.259588093	0.0060042	58.46208572	0.047139302	190.192276	0.00086594	0.00086594	4.75959E-06	0.007557251	0.002205167	0.156466857	0.015379932	5.57355E-06	52.07475281	4.58992E-05	0.000224693	0.000387539	0.002777218
2107 May	462.8287964	0.194139585	0.259303749	0.005999271	58.42106628	0.047122832	189.9961853	0.000866135	0.000866135	4.76006E-06	0.007556367	0.002204543	0.156303138	0.015402007	5.57325E-06	52.05024719	4.5872E-05	0.000224884	0.000387718	0.00277561
2107 Jun	460.7625732	0.193311229	0.257949829	0.005974668	58.1957283	0.04701402	189.0992432	0.000865777	0.000865777	4.75599E-06	0.007544762	0.002199296	0.155554652	0.015443151	5.56562E-06	51.89256668	4.57249E-05	0.000225147	0.000387592	0.002766534
2107 Jul	462.0757141	0.19345589	0.258138895	0.005979636	58.24503326	0.047081292	189.7099609	0.000867026	0.000867026	4.76365E-06	0.007561898	0.002205484	0.156050786	0.015467854	5.57572E-06	52.04014206	4.58533E-05	0.000225578	0.000388462	0.0027739
2107 Aug	463.725647	0.193778738	0.258561283	0.005989747	58.344841	0.047179911	190.4548798	0.000868781	0.000868781	4.77413E-06	0.007583301	0.002213081	0.156653672	0.015502893	5.58919E-06	52.22436523	4.60104E-05	0.000226157	0.000389604	0.002783125
2107 Sep	465.1183777	0.193755701	0.258470416	0.00598808	58.33203506	0.047193512	191.1431732	0.000868928	0.000868928	4.77643E-06	0.007596815	0.002219078	0.157199487	0.015513537	5.59408E-06	52.37818527	4.61392E-05	0.000226447	0.000390337	0.002790166
2107 Oct	465.7611084	0.193456277	0.257985383	0.005977388	58.23163605	0.047139637	191.5172272	0.000867872	0.000867872	4.77202E-06	0.00759961	0.002221634	0.157487735	0.015502539	5.59089E-06	52.44908524	4.61958E-05	0.000226407	0.000390466	0.00279284
2107 Nov	465.7945557	0.193351433	0.25780955	0.005973542	58.19556427	0.047121245	191.5543976	0.000867524	0.000867524	4.77037E-06	0.007599309	0.00222178	0.157515332	0.01549805	5.58932E-06	52.45370865	4.61988E-05	0.000226364	0.000390412	0.002792866
2107 Dec	465.961792	0.193343952	0.257799089	0.005973302	58.1932373	0.047119472	191.6376953	0.000867492	0.000867492	4.77039E-06	0.007600492	0.002222447	0.157580093	0.015498467	5.58964E-06	52.47159195	4.62136E-05	0.000226387	0.000390492	0.002793652
2108 Jan	466.0148621	0.193341941	0.257796139	0.005973235	58.19260406	0.047118992	191.6640472	0.000867483	0.000867483	4.77041E-06	0.007600878	0.002222661	0.157600582	0.015498672	5.58976E-06	52.47730255	4.62183E-05	0.000226395	0.000390519	0.002793903
2108 Feb	466.0271301	0.193342566	0.257796854	0.005973251	58.1927948	0.047119133	191.6699066	0.000867487	0.000867487	4.77044E-06	0.00760099	0.002222714	0.157605186	0.015498845	5.58981E-06	52.47867203	4.62194E-05	0.000226398	0.000390527	0.002793964
2108 Mar	466.0612793	0.193356454	0.257815272	0.005973678	58.19696808	0.047122512	191.6839905	0.000867549	0.000867549	4.77079E-06	0.007601542	0.002222878	0.157616735	0.015499996	5.59021E-06	52.48253632	4.62228E-05	0.000226415	0.000390555	0.002794169
2108 Apr	466.3275146	0.193467021	0.257962376	0.005977087	58.23025131	0.047149472	191.7933807	0.000868046	0.000868046	4.77352E-06	0.007605894	0.002224153	0.157706723	0.015509015	5.59341E-06	52.51261902	4.62492E-05	0.000226546	0.000390781	0.002795768

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2108 May	466.9002075	0.193688706	0.258251011	0.005983805	58.29711533	0.047204062	192.029953	0.000869089	0.000869089	4.77927E-06	0.007615242	0.002226982	0.157900855	0.015530533	5.60016E-06	52.57917023	4.63065E-05	0.000226848	0.000391305	0.002799224
2108 Jun	465.3031006	0.192941278	0.257150769	0.005961648	58.08639908	0.047090698	191.3461761	0.000868568	0.000868568	4.77509E-06	0.007607881	0.002222286	0.15735805	0.015533962	5.59315E-06	52.43807602	4.62029E-05	0.000226846	0.000390713	0.002791474
2108 Jul	466.9396667	0.193370923	0.257711351	0.005975601	58.22097015	0.047220469	192.0610046	0.000871186	0.000871186	4.78979E-06	0.007634524	0.002230255	0.157942191	0.015580385	5.61083E-06	52.62505722	4.63731E-05	0.000227598	0.000391986	0.00280112
2108 Aug	469.0062561	0.193925872	0.258441478	0.005992746	58.38947296	0.04737011	192.9672241	0.000873872	0.000873872	4.80528E-06	0.007663431	0.002239827	0.158679232	0.015631843	5.63004E-06	52.85625076	4.65726E-05	0.000228417	0.000393513	0.002812905
2108 Sep	470.0778503	0.193891943	0.25835669	0.005991125	58.37670898	0.047380283	193.4995575	0.000873936	0.000873936	4.80683E-06	0.007673502	0.002244435	0.159102917	0.015639199	5.63359E-06	52.97451401	4.66713E-05	0.000228636	0.000394073	0.002818326
2108 Oct	469.701416	0.193255484	0.257333368	0.005968515	58.16373444	0.04726214	193.4409485	0.000871657	0.000871657	4.79533E-06	0.007665223	0.002242738	0.15904668	0.015605725	5.62155E-06	52.93741226	4.66353E-05	0.00022824	0.00039344	0.002815538
2108 Nov	469.7759399	0.193181351	0.25719893	0.005965622	58.13681793	0.047250573	193.4923248	0.000871443	0.000871443	4.79438E-06	0.007665816	0.002243097	0.159086183	0.015603442	5.62074E-06	52.94675827	4.66425E-05	0.000228225	0.00039343	0.002815835
2108 Dec	469.9010925	0.193178609	0.257194757	0.005965529	58.13591385	0.047249954	193.5541077	0.000871432	0.000871432	4.79447E-06	0.007666765	0.002243602	0.159134343	0.015603955	5.62105E-06	52.96018219	4.66536E-05	0.000228245	0.000393492	0.002816431
2109 Jan	469.9113464	0.193178967	0.257194966	0.005965534	58.13599396	0.047250055	193.5590515	0.000871435	0.000871435	4.79449E-06	0.007666861	0.002243647	0.159138218	0.015604092	5.62109E-06	52.96133041	4.66546E-05	0.000228247	0.000393498	0.002816482
2109 Feb	469.9182434	0.193181574	0.257198334	0.005965612	58.13677979	0.047250684	193.5619049	0.000871447	0.000871447	4.79456E-06	0.007666972	0.002243681	0.159140542	0.015604369	5.62117E-06	52.96215057	4.66552E-05	0.000228251	0.000393505	0.002816524
2109 Mar	469.9551086	0.193196744	0.257218421	0.005966078	58.14134216	0.047254387	193.5770721	0.000871515	0.000871515	4.79494E-06	0.007667574	0.002243858	0.159153014	0.015605628	5.62161E-06	52.96632767	4.66589E-05	0.000228269	0.000393537	0.002816746
2109 Apr	470.1364746	0.193271339	0.257317662	0.00596838	58.16378784	0.047272626	193.6517487	0.000871852	0.000871852	4.79679E-06	0.007670536	0.002244725	0.159214407	0.015611688	5.62379E-06	52.9867897	4.66769E-05	0.000228358	0.000393689	0.002817833
2109 May	469.8470459	0.19314836	0.257062405	0.005963569	58.13066483	0.047258936	193.5079041	0.000872253	0.000872253	4.79844E-06	0.00767217	0.002245087	0.159098715	0.0156477	5.62484E-06	52.98383331	4.66653E-05	0.000228707	0.000394143	0.00281709
2109 Jun	468.9967957	0.192777947	0.256394953	0.00595123	58.03100586	0.047217082	193.1183929	0.000872738	0.000872738	4.7999E-06	0.007672379	0.002244396	0.158781648	0.01570276	5.62473E-06	52.94364166	4.66195E-05	0.000229226	0.000394682	0.002814084
2109 Jul	470.6505127	0.19283247	0.256462872	0.005953491	58.05415344	0.047268257	193.9121857	0.000873681	0.000873681	4.80645E-06	0.007690914	0.002251922	0.15941909	0.015724661	5.63436E-06	53.12750244	4.67767E-05	0.000229661	0.00039567	0.002822948
2109 Aug	472.3956604	0.192930147	0.256583661	0.005956984	58.08919907	0.047330383	194.7421722	0.000874819	0.000874819	4.81404E-06	0.007710421	0.002259924	0.160083652	0.015750505	5.64514E-06	53.32210922	4.69385E-05	0.000230125	0.000396728	0.002832342
2109 Sep	473.6429749	0.192609608	0.256067246	0.00594575	57.98474884	0.047283214	195.4163513	0.000873788	0.000873788	4.81044E-06	0.007718322	0.002265036	0.160611078	0.015743013	5.64393E-06	53.45910645	4.70496E-05	0.000230205	0.000397173	0.00283806
2109 Oct	473.3321838	0.191692218	0.254579604	0.005915483	57.69168472	0.047133394	195.4494324	0.000871161	0.000871161	4.79726E-06	0.00771051	0.002263992	0.160598114	0.015706895	5.63046E-06	53.43989182	4.70249E-05	0.000229806	0.000396542	0.002835626
2109 Nov	473.5332642	0.191632524	0.254469186	0.005913513	57.67224884	0.047127649	195.5605316	0.000871093	0.000871093	4.79715E-06	0.007712486	0.00226493	0.16068095	0.015707582	5.63074E-06	53.464077	4.70445E-05	0.000229841	0.000396633	0.002836626
2109 Dec	473.6772766	0.191630095	0.254465491	0.005913429	57.67144775	0.047127102	195.6315155	0.000871084	0.000871084	4.79726E-06	0.007713587	0.002265512	0.160736308	0.01570821	5.63111E-06	53.47953033	4.70572E-05	0.000229864	0.000396705	0.002837314
2110 Jan	473.699646	0.191631734	0.254467458	0.005913476	57.67191315	0.047127511	195.6421356	0.000871092	0.000871092	4.79732E-06	0.007713805	0.002265607	0.160744667	0.015708495	5.63121E-06	53.48199081	4.70593E-05	0.000229869	0.000396718	0.002837427
2110 Feb	473.710968	0.191635162	0.254471868	0.005913578	57.67294312	0.047128346	195.6469879	0.000871108	0.000871108	4.79742E-06	0.007713967	0.002265661	0.160748586	0.015708849	5.63132E-06	53.48328781	4.70604E-05	0.000229874	0.000396728	0.002837493
2110 Mar	473.7371521	0.191645801	0.254485935	0.005913905	57.67614365	0.047130954	195.6577911	0.000871156	0.000871156	4.79768E-06	0.007714396	0.002265787	0.160757467	0.01570975	5.63164E-06	53.48626709	4.7063E-05	0.000229887	0.00039675	0.00283765
2110 Apr	473.8476257	0.191690505	0.254545271	0.005915284	57.68959427	0.047141947	195.7033997	0.00087136	0.00087136	4.7988E-06	0.007716196	0.002266316	0.160794944	0.015713433	5.63295E-06	53.49875259	4.7074E-05	0.000229941	0.000396843	0.002838312
2110 May	474.634552	0.191686243	0.254506171	0.005914955	57.69013596	0.047148004	196.0817566	0.000871708	0.000871708	4.80138E-06	0.007724667	0.00227011	0.161088943	0.015733035	5.63691E-06	53.59357834	4.715E-05	0.000230242	0.000397479	0.002842453
2110 Jun	473.5439148	0.189855069	0.2517022119	0.005860955	57.1788826	0.046851765	195.8373108	0.000868764	0.000868764	4.78567E-06	0.007712438	0.002269269	0.160796329	0.015759602	5.6196E-06	53.56212234	4.70976E-05	0.000230497	0.000397739	0.00283688
2110 Jul	474.5693359	0.189988866	0.251858354	0.005866111	57.22761536	0.046925075	196.30896	0.000870313	0.000870313	4.79447E-06	0.007729561	0.002274539	0.161179334	0.0157873	5.63036E-06	53.68304443	4.72079E-05	0.000230963	0.00039852	0.002843056
2110 Aug	473.9404297	0.18883948	0.250203162	0.005833208	56.90393066	0.046787571	196.2099915	0.000867974	0.000867974	4.78244E-06	0.00771675	0.002272865	0.161067918	0.015749609	5.61763E-06	53.63340378	4.71453E-05	0.000230484	0.000397719	0.002839427
2110 Sep	473.653595	0.187771901	0.248500124	0.005800281	56.5807457	0.046640441	196.2839813	0.000865488	0.000865488	4.76995E-06	0.007709502	0.002272355	0.161072984	0.015716391	5.60505E-06	53.62554169	4.71252E-05	0.000230155	0.00039715	0.002837383
2110 Oct	472.6861267	0.186822236	0.246912122	0.00577007	56.28301239	0.046507079	196.0061035	0.000863397	0.000863397	4.75861E-06	0.007699649	0.002269203	0.160798818	0.015686387	5.59232E-06	53.5459938	4.70496E-05	0.000229764	0.000396297	0.00283225
2110 Nov	472.5952454	0.186579198	0.246516347	0.005762433	56.20781708	0.046471078	196.0115356	0.000862805	0.000862805	4.7556E-06	0.007697877	0.002268966	0.160789073	0.015678503	5.58924E-06	53.54150391	4.70434E-05	0.000229679	0.000396153	0.002831647
2110 Dec	472.7437439	0.186574325	0.246509179	0.00576227	56.20623779	0.046469949	196.0851746	0.000862785	0.000862785	4.75567E-06	0.007698973	0.002269563	0.160846427	0.015678996	5.58957E-06	53.55741501	4.70566E-05	0.000229701	0.000396225	0.00283235
2111 Jan	472.7953796	0.186571985	0.246505782	0.005762191	56.20550537	0.046469375	196.1108551	0.000862775	0.000862775	4.75568E-06	0.007699339	0.00226977	0.160866395	0.015679173	5.58968E-06	53.56296921	4.70611E-05	0.000229709	0.000396251	0.002832593
2111 Feb	472.8090515	0.186571971	0.246505573	0.005762187	56.20549774	0.046469357	196.1175232	0.000862775	0.000862775	4.75569E-06	0.007699448	0.002269828	0.160871565	0.01567932	5.58972E-06	53.56447983	4.70623E-05	0.000229712	0.000396259	0.002832659
2111 Mar	472.8618164	0.18659237	0.24653244	0.005762815	56.21163559	0.046474431	196.1394653	0.00086287	0.00086287	4.75622E-06	0.007700301	0.002270082	0.160889551	0.015681082	5.59033E-06	53.57048416	4.70676E-05	0.000229737	0.000396304	0.002832975
2111 Apr	473.0639038	0.186672136	0.246637791	0.005765278	56.23566818	0.046494298	196.2232666	0.000863239	0.000863239	4.75825E-06	0.007703593	0.002271053	0.160958305	0.01568781	5.59272E-06	53.59339523	4.70877E-05	0.000229836	0.000396473	0.002834186
2111 May	472.9809875	0.186666086	0.246559188	0.005764658	56.23764038	0.04650753	196.1672516	0.000863987	0.000863987	4.76182E-06	0.00770779	0.002271995	0.160911351	0.015720166	5.59608E-06	53.60641098	4.70931E-05	0.000230176	0.000396924	0.002834531
2111 Jun	470.1076355	0.18553178	0.244736791	0.005730408	55.92523575	0.046338461	194.9185028	0.000863008	0.000863008	4.75379E-06	0.007688352	0.002264132	0.159869999	0.015766634	5.58303E-06	53.37841034	4.68794E-05	0.000230401	0.000396596	0.002821392
2111 Jul	472.1627808	0.186028555	0.245387465	0.005746093	56.078105593	0.046478566	195.8271637	0.000865702	0.000865702	4.76931E-06	0.007717942	0.002273771	0.160606593	0.015817935	5.60225E-06	53.6098938	4.7083E-05	0.00023123	0.000398119	0.002833116
2111 Aug	472.8824768	0.185538977	0.244698465	0.005731221	55.93739319	0.046426643	196.2637634	0.000864598	0.000864598	4.76484E-06	0.007720045	0.002277055	0.160953835	0.015804011	5.59927E-06	53.69132614	4.71407E-05	0.000231161	0.000398219	0.002836331
2111 Sep	474.3770752	0.185230881	0.244221017	0.005720936	55.84123993	0.046388745	197.0512238	0.000863818	0.000863818	4.76275E-06	0.007730047	0.0022833	0.161571369	0.015800426	5.59996E-06	53.85570908	4.72702E-05	0.00023132	0.000398795	0.002843249
2111 Oct	474.0729675	0.18452315	0.243080959	0.005698584	55.62212753	0.046280507	197.04776	0.000861958	0.000861958	4.75329E-06	0.007723815	0.002282322	0.161530882	0.01577468	5.59022E-06	53.83629227	4.72474E-05	0.000231036	0.000398327	0.002841214
2111 Nov	473.8139343	0.184083804	0.242359415	0.005684676	55.48508453	0.046215095	197.011261	0.000860903	0.000860903	4.74782E-06	0.007720034	0.002281526	0.16147612	0.01576007	5.58444E-06	53.81823349	4.72278E-05	0.000230866	0.000398012	0.002839658
2111 Dec	473.9607849	0.184074506	0.242343739	0.005684352	55.48194504	0.046213429	197.0850372	0.000860876	0.000860876	4.74785E-06	0.007721145	0.002282124	0.161533281	0.015760496	5.58474E-06	53.83414078	4.72409E-05	0.000230888	0.000398082	0.002840353
2112 Jan	474.0179443	0.184071705	0.242339671	0.005684258	55.48105621	0.046212737	197.1135406	0.000860864	0.000860864	4.74786E-06	0.007721547	0.002282354	0.161555424	0.015760679	5.58485E-06	53.84029007	4.72459E-05	0.000230896	0.00039811	0.002840621
2112 Feb	474.0628357	0.184072286	0.242340252	0.005684272	55.48123169	0.046212867	197.1353455	0.000860868	0.000860868	4.74792E-06	0.007721915	0.002282539	0.161572471	0.015761048	5.58499E-06	53.84516907	4.72499E-05	0.000230905	0.000398135	0.00284084
2112 Mar	474.1446838	0.184094563	0.242369473	0.005684958	55.48794556	0.046218447	197.1711884	0.000860972	0.000860972	4.74853E-06	0.007723044	0.002282917	0.16160138	0.015763136	5.58574E-06	53.85435104	4.72578E-05	0.000230937	0.000398197	0.002841303
2112 Apr	474.325592	0.184162199	0.242458478	0.005687045	55.5083313	0.046235427	197.2468872	0.000861289	0.000861289	4.75028E-06	0.007725935	0.002283783	0.161663294	0.01576899	5.58781E-06	53.87487411	4.72758E-05	0.000231024	0.000398347	0.002842379
2112 May	474.567688	0.183972865	0.242097318	0.005680643	55.45763397	0.04621226	197.3764343	0.000861646	0.000861646	4.75228E-06	0.007731638	0.002286416	0.161750466	0.015808446	5.59018E-06	53.93234253	4.73125E-05	0.000231472	0.000399085	0.002844179
2112 Jun	469.4895325	0.181598723	0.238483921	0.005611146	54.79750824	0.045828737	195.2789001	0.000857449	0.000857449	4.72597E-06	0.007684149	0.002269942	0.159974262	0.015810711	5.55532E-06	53.49117279	4.69121E-05	0.000231035	0.000397383	0.002819129
2112 Jul	470.4074707	0.181454524	0.238250613	0.005608436	54.76708221	0.045850322	195.7497864	0.00085824	0.00085824	4.73093E-06	0.007698148	0.002274687	0.160343051	0.015825858	5.56212E-06	53.60243607	4.70161E-05	0.000231385	0.000397975	0.002824362
2112 Aug	472.7245483	0.181718647	0.238580972	0.005616545	54.84849167	0.045937892	196.8327789	0.000859769	0.000859769	4.74104E-06	0.007724136	0.002284954	0.16120939	0.015861921	5.57645E-06	53.85904694	4.72322E-05	0.000232065	0.000399433	0.002836687
2112 Sep	474.9324646	0.181513757	0.238264889	0.005609597	54.78406143	0.045910891	197.952652	0.000859147	0.000859147	4.74049E-06	0.007740043	0.002293948	0.162087128	0.015864432	5.57995E-06	54.09762955	4.7427E-05	0.000232361	0.000400433	0.002847127
2112 Oct	476.3081055	0.181271523	0.237887859	0.005601106	54.70401382	0.045863736	198.6747131	0.00085819	0.00085819	4.73736E-06	0.007748187	0.002299352	0.162647828	0.015857732	5.57936E-06	54.24498367	4.75474E-05	0.000232446	0.000400953	0.00285332
2112 Nov	476.9072876	0.181229234	0.23782073	0.0055996	54.68977356	0.045855358	198.9765015	0.000858027	0.000858027	4.73723E-06	0.007752474	0.002301756	0.16288282	0.015858548	5.58031E-06	54.30931091	4.76003E-05	0.000232523	0.000401227	0.002856128
2112 Dec	476.9891052	0.18123123	0.237822905	0.005599653	54.6903038	0.045855191	199.0161896	0.000858038	0.000858038	4.73737E-06	0.007753178	0.002302094	0.162913904	0.015859155	5.5806E-06	54.31815338	4.76077E-05	0.000232539	0.000401271	0.002856529
2113 Jan	477.0658569	0.181226641	0.237816676	0.005599508	54.68889999	0.045854758	199.0546417	0.000858017	0.000858017	4.73735E-06	0.00775369	0.002302398	0.162943751	0.015859276	5.58072E-06	54.32635117	4.76144E-05	0.000232549	0.000401307	0.002856885
2113 Feb	477.0808411	0.181228906	0.237819538	0.005599575	54.68958282	0.045855317	199.0615082	0.000858028	0.000858028	4.73742E-06	0.007753859	0.002302465	0.162949204	0.015859576	5.58082E-06	54.32803345	4.76158E-05	0.000232554	0.000401317	0.002856965
2113 Mar	477.1904602	0.181263253	0.237864554	0.005600634	54.69994736	0.045864001	199.1086273	0.000858191	0.000858191	4.73834E-06	0.007755481	0.00230298	0.162987411	0.015862713	5.58193E-06	54.34041214	4.76265E-05	0.000232601	0.000401404	0.0028576
2113 Apr	477.3670349	0.181328982	0.237950772	0.005602665	54.71978378	0.045880631	199.1825409	0.000858502	0.000858502	4.74006E-06	0.007758322	0.00230383	0.163047865	0.015868502	5.58397E-06	54.36050415	4.76441E-05	0.000232686	0.000401551	0.002858653
2113 May	477.8816223	0.181286499	0.237830743	0.005600444	54.70882797	0.045878079	199.4226227	0.000858953	0.000858953	4.74285E-06	0.007765866	0.002307086	0.163235381	0.015901627	5.58759E-06	54.43638229	4.77005E-05	0.000233094	0.000402289	0.002861667
2113 Jun	475.8410339	0.180330113	0.236330122	0.005570911	54.44213104	0.045723002	198.5568542	0.000857672	0.000857672	4.73431E-06	0.007750182	0.002301553	0.162515044	0.015932769	5.57549E-06	54.27711487	4.75496E-05	0.000233237	0.000402079	0.002852089
2113 Jul	477.3486023	0.180612296	0.236692697	0.005580169	54.53275681	0.045823917	199.2368011	0.000859604	0.000859604	4.74552E-06	0.007772003	0.002308839	0.1630674	0.015969817	5.58947E-06	54.44900513	4.76994E-05	0.00023383	0.000403183	0.002860811
2113 Aug	479.2338867	0.180781931	0.236903518	0.005585571	54.5873909	0.045893516	200.125061	0.000860812	0.000860812	4.75359E-06	0.007793067	0.002317294	0.163778901	0.015998373	5.601E-06	54.6583786	4.78753E-05	0.000234364	0.000404356	0.002870898
2113 Sep	480.2936707	0.180486679	0.236433789	0.005575202	54.49124146	0.045850769	200.7020416	0.000859837	0.000859837	4.75006E-06	0.007799376	0.0023216	0.164232597	0.015989667	5.5995E-06	54.77399445	4.79683E-05	0.00023441	0.000404696	0.002875701
2113 Oct	479.9122314	0.179626584	0.235053003	0.0055468	54.21139526	0.045698721	200.6897736	0.000857019	0.000857019	4.73588E-06	0.007789633	0.002319916	0.164192528	0.015947677	5.58486E-06	54.74053574	4.79327E-05	0.00023393	0.000403948	0.002872687
2113 Nov	479.9041138	0.179402262	0.234660223	0.00553859	54.13805771	0.045668382	200.7325745	0.000856564	0.000856564	4.73364E-06	0.007789631	0.002320125	0.164212361	0.015942264	5.58266E-06	54.74610519	4.7935E-05	0.00023388	0.000403851	0.002872558
2113 Dec	479.9944763	0.179403931	0.234661639	0.005538628	54.13844299	0.045668889	200.7765198	0.000856574	0.000856574	4.73379E-06	0.007790409	0.002320499	0.164246768	0.015942914	5.58298E-06	54.75588226	4.79431E-05	0.000233897	0.000403899	0.002873001
2114 Jan	480.0330505	0.179403126	0.234660283	0.005538597	54.13817215	0.045668699	200.795517	0.000856571	0.000856571	4.73382E-06	0.007790705	0.002320657	0.16426158	0.015943127	5.58307E-06	54.76005554	4.79465E-05	0.000233904	0.000403919	0.002873185
2114 Feb	480.0383606	0.17940408	0.234661356	0.005538623	54.13845444	0.045668926	200.7978973	0.000856576	0.000856576	4.73385E-06	0.007790771	0.002320682	0.164263472	0.015943302	5.58311E-06	54.76068878	4.7947E-05	0.000233906	0.000403923	0.002873215
2114 Mar	480.0874023	0.179422453	0.234685317	0.005539188	54.14399719	0.045673594	200.8183899	0.000856664	0.000856664	4.73433E-06	0.007791569	0.002320921	0.164280221	0.015944976	5.58369E-06	54.76630783	4.79519E-05	0.00023393	0.000403965	0.002873509
2114 Apr	480.2119446	0.179469034	0.234746188	0.005540625	54.15805435	0.045685444	200.8704529	0.000856887	0.000856887	4.73556E-06	0.007793591	0.002321523	0.164322838	0.015949138	5.58514E-06	54.78053284	4.79644E-05	0.000233991	0.000404071	0.002874255
2114 May	480.2896423	0.179102376	0.234135568	0.005529016	54.05678177	0.045627479	200.9536133	0.000856626	0.000856626	4.73434E-06	0.007795462	0.0023234	0.164364129	0.015980534	5.58405E-06	54.82189178	4.79853E-05	0.000234335	0.000404661	0.002874975
2114 Jun	480.2520447	0.178621158	0.233305424	0.005514351	53.92974472	0.045576092	200.990097	0.000856948	0.000856948	4.73586E-06	0.007801522	0.002325986	0.164364994	0.016034076	5.58558E-06	54.87052917	4.80137E-05	0.000234948	0.000405545	0.002875864
2114 Jul	482.5547485	0.179118156	0.233952314	0.005529981	54.08322525	0.045721397	202.0198059	0.000859678	0.000859678	4.75185E-06	0.007833216	0.002336726	0.165198207	0.016088339	5.60573E-06	55.12967682	4.82389E-05	0.000235829	0.000407219	0.00288889
2114 Aug	485.1993103	0.179621145	0.234601974	0.005545551	54.23659897	0.045863114	203.2174225	0.000862286	0.000862286	4.7676E-06	0.007866594	0.002348742	0.166160062	0.016143274	5.62624E-06	55.42495346	4.84907E-05	0.000236748	0.000409052	0.002903449
2114 Sep	486.4445801	0.179226577	0.233985618	0.005531876	54.10891342	0.045802008	203.9037476	0.000860957	0.000860957	4.76255E-06	0.007873113	0.002353736	0.166697904	0.016129857	5.62357E-06	55.56021881	4.8598E-05	0.000236767	0.000409404	0.002908943
2114 Oct	487.5799255	0.178730726	0.233202055	0.00551424	53.94233322	0.045704413	204.5591125	0.00085901	0.00085901	4.75434E-06	0.007876809	0.002357994	0.167202204	0.016106883	5.61749E-06	55.68144226	4.86947E-05	0.000236649	0.000409586	0.002913497
2114 Nov	488.1313477	0.178314984	0.23254393	0.005499423	53.80176544	0.045619681	204.9118652	0.000857383	0.000857383	4.74702E-06	0.007876665	0.002359929	0.167469099	0.016085481	5.61122E-06	55.74002075	4.87393E-05	0.000236478	0.000409524	0.002915327
2114 Dec	488.2770386	0.178296864	0.23251529	0.005498778	53.79561234	0.045615863	204.9867859	0.000857312	0.000857312	4.74684E-06	0.007877612	0.002360506	0.167527169	0.016085193	5.6113E-06	55.75563049	4.87521E-05	0.000236491	0.000409583	0.00291599
2115 Jan	488.3346863	0.178295225	0.232512772	0.005498719	53.79508209	0.045615457	205.0152893	0.000857305	0.000857305	4.74687E-06	0.007878039	0.002360739	0.167549342	0.016085457	5.61143E-06	55.76184464	4.87572E-05	0.000236501	0.000409613	0.002916264
2115 Feb	488.3808594	0.178295195	0.232512534	0.005498714	53.79506683	0.045615431	205.0378418	0.000857306	0.000857306	4.74692E-06	0.007878405	0.002360929	0.167566955	0.016085792	5.61157E-06	55.76685715	4.87613E-05	0.000236509	0.000409638	0.002916487
2115 Mar	488.4242554	0.178303465	0.232523203	0.005498966	53.79755783	0.045617532	205.0574646	0.000857346	0.000857346	4.74716E-06	0.007878935	0.002361124	0.167582616	0.016086698	5.61189E-06	55.77170181	4.87654E-05	0.000236524	0.000409668	0.002916723

Appendix D.2-23: PUMP03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2115 Apr	488.5982666	0.178366765	0.232605696	0.005500918	53.81665802	0.045633722	205.1305847	0.00085765	0.00085765	4.74885E-06	0.007881738	0.002361966	0.16764234	0.016092442	5.61389E-06	55.79158783	4.87828E-05	0.000236609	0.000409814	0.002917762
2115 May	487.9779358	0.178166762	0.23223947	0.005493839	53.76184464	0.04560446	204.838501	0.000857817	0.000857817	4.74898E-06	0.007879819	0.002361006	0.167405412	0.016125361	5.61284E-06	55.75493622	4.87416E-05	0.000236886	0.000410097	0.002915317
2115 Jun	488.2227173	0.178210139	0.232176378	0.00549459	53.78297806	0.045647509	204.9223633	0.000859446	0.000859446	4.75724E-06	0.007892124	0.002364359	0.167470962	0.016186757	5.62148E-06	55.81980896	4.87897E-05	0.000237596	0.000411113	0.002918054
2115 Jul	489.9321289	0.178642899	0.23273766	0.005508272	53.91799545	0.045782927	205.6737976	0.000861929	0.000861929	4.77137E-06	0.007917818	0.00237266	0.168085679	0.016234376	5.63873E-06	56.01493073	4.89591E-05	0.000238321	0.00041244	0.00292814
2115 Aug	490.3365479	0.178177893	0.232091114	0.005494094	53.78404236	0.045728832	205.9540558	0.000860704	0.000860704	4.76595E-06	0.007916689	0.002374453	0.168311238	0.01621611	5.63424E-06	56.06005096	4.8988E-05	0.000238176	0.000412357	0.002929734
2115 Sep	491.971283	0.177971497	0.231770724	0.005487185	53.72021866	0.04570945	206.7913513	0.000860236	0.000860236	4.76552E-06	0.007928703	0.002381263	0.168970928	0.016217334	5.63684E-06	56.23843002	4.91309E-05	0.000238401	0.000413064	0.00293749
2115 Oct	493.2767334	0.17780526	0.231506407	0.005481243	53.66437531	0.045678131	207.464325	0.000859583	0.000859583	4.7638E-06	0.007937332	0.00238645	0.169495061	0.016214559	5.63751E-06	56.3784256	4.9246E-05	0.000238522	0.000413601	0.002943499
2115 Nov	493.7489014	0.177579403	0.231137529	0.005473003	53.58636475	0.045633506	207.7407684	0.000858734	0.000858734	4.76019E-06	0.007939051	0.002388249	0.169706523	0.016204406	5.63477E-06	56.42938614	4.92862E-05	0.000238465	0.000413655	0.002945357
2115 Dec	493.8378906	0.177569106	0.231118426	0.005472595	53.5825386	0.045631874	207.7864685	0.000858705	0.000858705	4.76015E-06	0.007939761	0.002388617	0.169742033	0.016204476	5.63489E-06	56.43912125	4.92942E-05	0.000238476	0.000413693	0.002945775
2116 Jan	493.924408	0.177565455	0.23111324	0.005472474	53.5813942	0.04563095	207.829483	0.000858688	0.000858688	4.76016E-06	0.007940372	0.002388964	0.169775486	0.01620475	5.63506E-06	56.44839859	4.93018E-05	0.000238488	0.000413736	0.002946182
2116 Feb	493.9504089	0.177569836	0.231118724	0.005472604	53.58271027	0.045632053	207.8413239	0.00085871	0.00085871	4.7603E-06	0.007940679	0.002389082	0.169784904	0.016205326	5.63524E-06	56.45133972	4.93042E-05	0.000238498	0.000413755	0.002946323
2116 Mar	493.9793701	0.17757991	0.231131718	0.005472912	53.58574677	0.045634627	207.8535461	0.000858759	0.000858759	4.76057E-06	0.007941138	0.002389223	0.169794858	0.016206304	5.63557E-06	56.45467758	4.93071E-05	0.000238512	0.000413779	0.002946495
2116 Apr	494.1427612	0.17763868	0.231208161	0.005474722	53.60348129	0.04564973	207.9222717	0.000859044	0.000859044	4.76215E-06	0.007943767	0.002390014	0.169851005	0.0162117	5.63743E-06	56.47337341	4.93234E-05	0.000238591	0.000413917	0.00294747
2116 May	495.2028503	0.177457154	0.230883837	0.005468489	53.55297089	0.045619447	208.4545135	0.000859123	0.000859123	4.76369E-06	0.007954112	0.002395537	0.170254976	0.016245453	5.64081E-06	56.61133575	4.94281E-05	0.000239066	0.000414925	0.002952916
2116 Jun	491.4354553	0.175554752	0.227975145	0.00541252	53.02611923	0.045311406	206.917572	0.000855845	0.000855845	4.74333E-06	0.007918855	0.002383867	0.168939233	0.016258437	5.61412E-06	56.29657745	4.91359E-05	0.000238863	0.000413876	0.002934421
2116 Jul	493.1542664	0.175955608	0.228473976	0.005425721	53.15391159	0.045444448	207.6790619	0.000858541	0.000858541	4.7585E-06	0.007946858	0.002392393	0.169555664	0.016309192	5.63245E-06	56.49679565	4.93156E-05	0.000239675	0.000415254	0.002944639
2116 Aug	495.2078552	0.176339358	0.228959382	0.005437505	53.2710762	0.045559522	208.6099548	0.000860628	0.000860628	4.77105E-06	0.007973368	0.002401834	0.170306161	0.016353266	5.64872E-06	56.72758102	4.95121E-05	0.000240415	0.000416692	0.00295604
2116 Sep	496.0328979	0.175838843	0.228179514	0.005420008	53.1069603	0.045472607	209.1135101	0.000858761	0.000858761	4.76291E-06	0.00797487	0.002404919	0.170698524	0.016329031	5.64222E-06	56.81594849	4.95808E-05	0.000240265	0.00041672	0.002959237
2116 Oct	496.7875061	0.175280169	0.227253094	0.005399304	52.91150665	0.045364384	209.5957947	0.000856671	0.000856671	4.75358E-06	0.007976338	0.002407731	0.17106612	0.016301589	5.63431E-06	56.89785385	4.96441E-05	0.000240053	0.00041663	0.00296188
2116 Nov	497.2681885	0.175231442	0.227158695	0.00539726	52.89242554	0.045356441	209.8411713	0.000856532	0.000856532	4.75345E-06	0.007980263	0.002409721	0.171257243	0.016302194	5.63504E-06	56.95031738	4.96872E-05	0.000240115	0.000416835	0.002964145
2116 Dec	497.3764954	0.175226092	0.227151245	0.005397086	52.890728	0.045355115	209.8952332	0.000856507	0.000856507	4.75344E-06	0.007981012	0.00241015	0.171299264	0.016302384	5.63523E-06	56.96186447	4.96967E-05	0.000240129	0.000416886	0.00296465
2117 Jan	497.4196777	0.175223693	0.227147892	0.005397007	52.88998413	0.045354508	209.9168091	0.000856496	0.000856496	4.75344E-06	0.007981304	0.002410322	0.171315998	0.016302487	5.6353E-06	56.9664917	4.97005E-05	0.000240135	0.000416906	0.002964851
2117 Feb	497.428009	0.175223738	0.227147818	0.005397005	52.88999557	0.045354504	209.9208374	0.000856497	0.000856497	4.75345E-06	0.007981373	0.002410358	0.171319142	0.016302599	5.63533E-06	56.96742249	4.97012E-05	0.000240137	0.000416912	0.002964892
2117 Mar	497.4640198	0.175236329	0.22716406	0.005397392	52.8937912	0.045357753	209.9360504	0.000856559	0.000856559	4.75379E-06	0.00798195	0.002410534	0.171331555	0.016303806	5.63574E-06	56.97157288	4.97048E-05	0.000240154	0.000416942	0.002965107
2117 Apr	497.6774902	0.175311536	0.227261513	0.005399707	52.91648865	0.045377217	210.0261078	0.000856926	0.000856926	4.75583E-06	0.007985375	0.002411568	0.171405047	0.016310824	5.63816E-06	56.9960289	4.97261E-05	0.000240257	0.000417122	0.00296638
2117 May	497.5989685	0.175299644	0.227177009	0.005398704	52.91635132	0.045387749	209.9721069	0.000857604	0.000857604	4.75907E-06	0.007989365	0.002412528	0.171361998	0.016343392	5.64119E-06	57.00954819	4.97318E-05	0.000240599	0.000417585	0.002966724
2117 Jun	496.3204651	0.174914435	0.226488873	0.005386808	52.81631851	0.045351639	209.383728	0.000858154	0.000858154	4.76033E-06	0.007986275	0.00241001	0.170878723	0.016391693	5.64019E-06	56.92243576	4.96485E-05	0.00024101	0.000417832	0.002961688
2117 Jul	498.1672668	0.17535226	0.227053463	0.005400604	52.95211029	0.045485266	210.2007599	0.000860676	0.000860676	4.7748E-06	0.008013376	0.002418879	0.1715433	0.016440932	5.658E-06	57.1327858	4.98312E-05	0.000241775	0.000419238	0.002972407
2117 Aug	499.6124573	0.175529793	0.227269202	0.005406145	53.00860214	0.045556828	210.8722687	0.000861911	0.000861911	4.78252E-06	0.008031229	0.002425569	0.172086179	0.016468016	5.66839E-06	57.29548645	4.99684E-05	0.00024225	0.000420198	0.002980397
2117 Sep	500.8898315	0.175516963	0.22721231	0.005405143	53.00172043	0.045570981	211.5015564	0.000862052	0.000862052	4.78467E-06	0.008043259	0.002431025	0.172586069	0.01647743	5.67291E-06	57.43579865	5.00857E-05	0.000242515	0.000420872	0.002986846
2117 Oct	501.3401489	0.175234273	0.226744846	0.005394689	52.90347672	0.04551838	211.7797699	0.000860983	0.000860983	4.77998E-06	0.008044571	0.002432724	0.172800571	0.016463656	5.66909E-06	57.484478	5.01242E-05	0.00024242	0.000420864	0.002988554
2117 Nov	501.4479675	0.175155386	0.226613149	0.00539175	52.8759079	0.045503963	211.8487549	0.000860689	0.000860689	4.77867E-06	0.00804485	0.002433131	0.172853783	0.016459791	5.66799E-06	57.49622345	5.01335E-05	0.000242392	0.000420853	0.002988951
2117 Dec	501.580658	0.175147831	0.226601467	0.005391485	52.87337875	0.045502383	211.9152069	0.000860658	0.000860658	4.77866E-06	0.008045799	0.002433662	0.172905549	0.016460018	5.66822E-06	57.51042557	5.01452E-05	0.000242409	0.000420915	0.002989574
2118 Jan	501.6254883	0.175146341	0.226599157	0.005391432	52.87289429	0.045502011	211.9374084	0.000860652	0.000860652	4.77868E-06	0.00804613	0.002433843	0.17292282	0.016460223	5.66832E-06	57.5152626	5.01492E-05	0.000242416	0.000420937	0.002989787
2118 Feb	501.6309509	0.175148174	0.226601347	0.005391484	52.8734436	0.045502465	211.9397125	0.000860661	0.000860661	4.77874E-06	0.008046219	0.002433873	0.172924668	0.016460486	5.66839E-06	57.51594925	5.01497E-05	0.000242419	0.000420944	0.00298982
2118 Mar	501.6491394	0.175154582	0.226609543	0.005391678	52.87537766	0.045504119	211.9473572	0.000860693	0.000860693	4.77891E-06	0.008046512	0.002433963	0.172930896	0.016461138	5.66859E-06	57.51807022	5.01516E-05	0.000242429	0.00042096	0.002989929
2118 Apr	501.7655029	0.175198779	0.226660132	0.005392888	52.88866806	0.045515154	211.9941406	0.000860929	0.000860929	4.7802E-06	0.008048564	0.002434636	0.172969073	0.016468428	5.67008E-06	57.53352356	5.01635E-05	0.000242518	0.000421113	0.00299068
2118 May	500.2876587	0.174758375	0.225905761	0.005377585	52.76455307	0.045434706	211.3088531	0.000860647	0.000860647	4.77716E-06	0.008038986	0.002431054	0.172412157	0.016515538	5.66425E-06	57.42444611	5.00508E-05	0.00024283	0.000421309	0.002984097
2118 Jun	495.93927	0.173391387	0.223787829	0.005336761	52.38806152	0.045218382	209.392868	0.00085847	0.00085847	4.7616E-06	0.008002125	0.00241658	0.170835853	0.016532138	5.64119E-06	57.03239441	4.96993E-05	0.000242571	0.000419983	0.002963259
2118 Jul	498.1266479	0.173969045	0.224530146	0.005354808	52.56524277	0.045382947	210.3499298	0.000861638	0.000861638	4.77959E-06	0.008035137	0.002427091	0.171613306	0.016594021	5.66312E-06	57.28231812	4.99178E-05	0.000243528	0.000421699	0.002975993
2118 Aug	499.6335449	0.173774198	0.224241912	0.005348747	52.51021194	0.045380142	211.1213684	0.000861373	0.000861373	4.78007E-06	0.008046957	0.00243356	0.172228456	0.016596945	5.66646E-06	57.44770432	5.00507E-05	0.000243756	0.000422377	0.002983412
2118 Sep	500.1270142	0.172967836	0.223006502	0.005321364	52.24979019	0.045234293	211.5225677	0.000858419	0.000858419	4.76624E-06	0.008041947	0.002435065	0.172529429	0.016553167	5.65373E-06	57.50001144	5.00846E-05	0.000243361	0.000421984	0.002984384
2118 Oct	499.9974976	0.172193706	0.221747547	0.005296251	52.00443268	0.045110427	211.6207275	0.000856245	0.000856245	4.75544E-06	0.008036349	0.002434671	0.172563553	0.016521661	5.64294E-06	57.4979744	5.00753E-05	0.000243031	0.000421488	0.002982961
2118 Nov	500.1676025	0.17200163	0.221432179	0.005290102	51.94404984	0.045081213	211.744339	0.000855751	0.000855751	4.7532E-06	0.008036784	0.002435435	0.172648296	0.016515767	5.64107E-06	57.51990891	5.00916E-05	0.000242994	0.00042148	0.002983617
2118 Dec	500.1930542	0.172005519	0.221436396	0.005290208	51.94511414	0.045082334	211.756073	0.000855773	0.000855773	4.75333E-06	0.008037108	0.002435551	0.172657654	0.016516263	5.64125E-06	57.52277374	5.0094E-05	0.000243002	0.000421497	0.002983755
2119 Jan	500.2433167	0.172004327	0.221434548	0.005290165	51.94472122	0.045082033	211.7808685	0.000855768	0.000855768	4.75336E-06	0.008037485	0.002435755	0.17267698	0.016516501	5.64138E-06	57.52819061	5.00985E-05	0.000243011	0.000421522	0.002983994
2119 Feb	500.2839661	0.172005177	0.221435487	0.005290188	51.94497299	0.045082241	211.8005676	0.000855773	0.000855773	4.75343E-06	0.008037828	0.002435924	0.172692388	0.016516861	5.64152E-06	57.53261566	5.01021E-05	0.000243019	0.000421545	0.002984194
2119 Mar	500.3486328	0.172026977	0.221463472	0.005290857	51.95155716	0.045087945	211.8280029	0.000855881	0.000855881	4.75403E-06	0.008038857	0.002436239	0.172714725	0.016519001	5.64224E-06	57.54006958	5.01086E-05	0.00024305	0.0004216	0.002984579
2119 Apr	500.5401917	0.172104523	0.221535087	0.005292627	51.97486877	0.045106679	211.8998718	0.000856357	0.000856357	4.75657E-06	0.008042688	0.00243763	0.17277275	0.016539816	5.64507E-06	57.57107544	5.01292E-05	0.000243279	0.000421995	0.002985958
2119 May	497.5032959	0.17124334	0.220041335	0.005263567	51.73616028	0.044954751	210.5093384	0.000855442	0.000855442	4.74856E-06	0.00801892	0.002429624	0.1716194	0.01662354	5.6315E-06	57.34056854	4.98837E-05	0.000243739	0.000422228	0.002972344
2119 Jun	496.3384094	0.170696124	0.219193116	0.005248011	51.5901947	0.044887383	210.0278168	0.000854904	0.000854904	4.74463E-06	0.008011232	0.002426318	0.171214655	0.016632548	5.62572E-06	57.24583435	4.9802E-05	0.000243768	0.000421968	0.002967083
2119 Jul	498.6593323	0.171158552	0.219782695	0.005262578	51.73323822	0.045025568	211.071106	0.000857634	0.000857634	4.76064E-06	0.008043774	0.002437215	0.172056898	0.016687838	5.64592E-06	57.5088768	5.00327E-05	0.000244683	0.000423668	0.002980174
2119 Aug	500.3799133	0.171282336	0.219910935	0.005266265	51.77327728	0.045094986	211.8870087	0.000858771	0.000858771	4.76821E-06	0.008063771	0.0024451	0.172715962	0.016714953	5.65668E-06	57.70251846	5.01938E-05	0.000245209	0.00042474	0.002989491
2119 Sep	501.3608398	0.170837134	0.219241723	0.005251182	51.6308403	0.04501893	212.4533081	0.000857154	0.000857154	4.76145E-06	0.008066408	0.002448806	0.173157826	0.016693724	5.65181E-06	57.80652237	5.02737E-05	0.000245111	0.000424866	0.002993442
2119 Oct	501.8728943	0.170417354	0.218575329	0.005236407	51.49008942	0.044937663	212.7901154	0.000855533	0.000855533	4.75412E-06	0.008066092	0.002450572	0.173411652	0.016671097	5.6455E-06	57.86080551	5.03156E-05	0.000244928	0.000424773	0.002995142
2119 Nov	501.9341125	0.170217782	0.218255416	0.005229759	51.42567062	0.044902787	212.861496	0.000854887	0.000854887	4.75103E-06	0.008064979	0.002450775	0.173458546	0.016661745	5.64257E-06	57.86901855	5.03206E-05	0.000244838	0.00042467	0.002995159
2119 Dec	502.0175476	0.17021805	0.218255162	0.005229756	51.42565918	0.044902921	212.902298	0.00085489	0.00085489	4.75114E-06	0.008065664	0.002451116	0.17349045	0.016662246	5.64283E-06	57.8780098	5.03281E-05	0.000244853	0.000424713	0.002995564

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	1.4E-04	3.7E-09	1.2E-03	3.0E-03	7.5E-05	1.1E-07	4.6E-03	9.6E-07	5.2E-06	3.5E-07	8.5E-08	4.8E-08	1.1E-04	7.4E-10	3.7E-08	7.7E-07	5.7E-07	6.2E-04
Operations (2020-2043): Mean	6.0E-02	2.4E-05	5.7E+00	6.0E+01	2.0E-01	4.7E-03	7.4E+02	2.2E-02	5.9E-03	1.1E-03	4.0E-03	1.5E-03	6.2E-01	2.2E-06	1.3E-03	2.0E-03	4.4E-03	6.2E-03
Operations (2020-2043): Max	9.6E-02	3.4E-05	7.8E+00	1.4E+02	2.9E-01	0.00684	2.0E+03	3.1E-02	8.1E-03	2.1E-03	5.7E-03	2.2E-03	8.6E-01	2.8E-06	1.9E-03	2.8E-03	6.2E-03	9.0E-03
Active Closure (2044-2050): Min	2.3E-02	4.8E-06	1.6E+00	8.5E+00	3.3E-02	7.2E-04	5.6E+01	3.5E-03	4.7E-03	1.7E-04	6.1E-04	2.5E-04	1.2E-01	2.0E-06	2.0E-04	3.7E-04	1.3E-03	9.5E-04
Active Closure (2044-2050): Mean	3.0E-02	8.4E-06	2.2E+00	1.4E+01	5.7E-02	1.2E-03	1.0E+02	6.1E-03	4.9E-03	2.7E-04	1.1E-03	4.2E-04	1.9E-01	2.0E-06	3.5E-04	6.2E-04	1.7E-03	1.8E-03
Active Closure (2044-2050): Max	6.8E-02	2.6E-05	5.1E+00	4.3E+01	1.8E-01	3.8E-03	3.5E+02	1.9E-02	6.0E-03	7.7E-04	3.4E-03	1.2E-03	5.6E-01	2.1E-06	1.1E-03	1.9E-03	3.8E-03	5.7E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Post Closure (2051-2119): Min	2.4E-02	5.0E-06	1.6E+00	8.9E+00	3.4E-02	7.4E-04	5.8E+01	3.6E-03	4.7E-03	1.8E-04	6.3E-04	2.5E-04	1.2E-01	2.0E-06	2.1E-04	3.8E-04	1.4E-03	9.7E-04
Post Closure (2051-2119): Mean	5.1E-02	7.0E-06	2.2E+00	1.9E+01	6.5E-02	1.3E-03	1.1E+02	5.9E-03	6.0E-03	4.9E-04	1.1E-03	4.3E-04	2.0E-01	2.1E-06	3.7E-04	6.9E-04	2.0E-03	1.4E-03
Post Closure (2051-2119): Max	7.5E-02	8.6E-06	2.8E+00	2.6E+01	9.1E-02	1.8E-03	1.4E+02	7.7E-03	7.1E-03	7.4E-04	1.5E-03	5.8E-04	2.7E-01	2.2E-06	5.0E-04	9.5E-04	2.4E-03	1.8E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2119)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0.000139847	3.68019E-09	0.001229182	0.00297359	7.54438E-05	1.08565E-07	0.004618633	9.56848E-07	5.15226E-06	3.51826E-07	8.46443E-08	4.78424E-08	0.000114454	7.36037E-10	3.68019E-08	7.72839E-07	5.70429E-07	0
2028 Feb	0.000682792	1.79682E-08	0.006001386	0.014518324	0.000368349	5.30063E-07	0.022550119	4.67174E-06	2.51555E-05	1.71776E-06	4.13269E-07	2.33587E-07	0.000558812	3.59364E-09	1.79682E-07	3.77333E-06	2.78507E-06	0
2028 Mar	0.001307587	3.44102E-08	0.011493002	0.02780343	0.000705409	1.0151E-06	0.043184783	8.94665E-06	4.81743E-05	3.28961E-06	7.91434E-07	4.47332E-07	0.001070157	6.88204E-09	3.44102E-07	7.22614E-06	5.33358E-06	0
2028 Apr	0.001978061	5.20542E-08	0.01738612	0.042059831	0.001067112	1.5356E-06	0.065328084	1.35341E-05	7.28759E-05	4.97639E-06	1.19725E-06	6.76705E-07	0.001618887	1.04108E-08	5.20542E-07	1.09314E-05	8.06841E-06	0
2028 May	0.006115027	7.61185E-07	0.950179398	5.483077049	0.032305516	0.000676205	82.39447784	0.003636005	0.000439603	0.000311167	0.000630344	0.000224107	0.105642937	2.68058E-07	0.000199178	0.000339834	0.000549349	0.000616001
2028 Jun	0.056983147	2.19357E-05	3.594726563	17.38947678	0.111473739	0.002291772	182.6972656	0.012788371	0.00606666	0.00030243	0.002219941	0.000766227	0.370984733	1.94656E-06	0.000686875	0.001370987	0.002929333	0.003980961
2028 Jul	0.069409311	2.81358E-05	4.605480671	22.42290497	0.141402751	0.002975358	235.7572327	0.016499765	0.007466004	0.000366656	0.002843278	0.000989052	0.477029353	2.44401E-06	0.000887086	0.001687462	0.003593963	0.005170643
2028 Aug	0.071087554	3.33657E-05	6.188137054	31.29859352	0.192822978	0.004155871	348.519989	0.022729561	0.007722425	0.00063791	0.003895422	0.001370862	0.653733015	2.82075E-06	0.001226424	0.002186792	0.004354993	0.006820328
2028 Sep	0.056660067	3.00196E-05	6.479487896	33.863231 66	0.203557655	0.004530152	397.565033	0.024213223	0.006528079	0.000831708	0.004125483	0.001466341	0.696273386	2.52611E-06	0.001316894	0.002226273	0.004099271	0.00689254
2028 Oct	0.06313137	1.8333E-05	5.911854267	31.32472992	0.181118578	0.004184131	416.4049072	0.021521082	0.007634735	0.001242608	0.003642489	0.001308127	0.63215822	2.46244E-06	0.001189454	0.001963697	0.003644647	0.004840853
2028 Nov	0.066749148	1.73527E-05	5.51423645	28.85710144	0.166536331	0.003882965	383.6599731	0.019772479	0.008086191	0.001158341	0.003332934	0.001200174	0.585283041	2.4433E-06	0.001096205	0.001814207	0.003438583	0.004376604
2028 Dec	0.066886306	1.73433E-05	5.505136013	28.79693604	0.166185677	0.003875902	382.802063	0.019730447	0.008103155	0.00115579	0.003325393	0.00119756	0.584177017	2.44389E-06	0.001093972	0.001810674	0.003434141	0.004366536
2029 Jan	0.06714005	1.73298E-05	5.498651981	28.75170517	0.166036338	0.00386963	382.1107483	0.019697085	0.0081112	0.001154364	0.003319453	0.001195492	0.583406568	2.44307E-06	0.001092127	0.001809057	0.003430169	0.004358493
2029 Feb	0.06743747	1.73228E-05	5.496600151	28.73205376	0.166073367	0.003866232	381.7594299	0.01968083	0.008116798	0.001154175	0.003316517	0.001194479	0.583147645	2.44265E-06	0.001091184	0.001809334	0.003428381	0.00435435
2029 Mar	0.067621507	1.73259E-05	5.497668266	28.73290634	0.16615814	0.003865948	381.7229919	0.019679938	0.008122947	0.001154528	0.003316261	0.00119441	0.583239079	2.44338E-06	0.001091112	0.00181019	0.003428779	0.004353862
2029 Apr	0.067866132	1.73642E-05	5.509850979	28.79395866	0.166555449	0.003873941	382.5075684	0.019720932	0.008143484	0.001157158	0.003323111	0.001196891	0.584519446	2.44894E-06	0.001093372	0.001814481	0.003436228	0.004362771
2029 May	0.06883467	1.74237E-05	5.930500984	31.3922348	0.181514427	0.004181564	422.67453	0.021428466	0.008135504	0.001312483	0.003618204	0.001302271	0.631128192	2.5378E-06	0.00118507	0.001970517	0.003679923	0.00463712
2029 Jun	0.066522546	1.97566E-05	5.807984829	30.92266083	0.184933588	0.003982496	404.1167297	0.021385353	0.007030301	0.001213221	0.003661961	0.001298039	0.615527451	2.47055E-06	0.001162464	0.002082226	0.003965681	0.00497662
2029 Jul	0.061320629	2.68367E-05	4.696082115	23.61310768	0.144929931	0.003141307	255.878418	0.017188175	0.006290245	0.000424472	0.002906037	0.001034079	0.49225986	2.22041E-06	0.000924197	0.001584776	0.003187523	0.005302233
2029 Aug	0.044977359	3.05432E-05	6.830823898	36.69162369	0.218704164	0.00483996	436.0765076	0.026171245	0.004950948	0.000914681	0.00443954	0.001587348	0.736802936	2.38977E-06	0.001411795	0.002315767	0.004129709	0.007441249
2029 Sep	0.045725338	2.84151E-05	7.155281067	38.88611984	0.228927538	0.005131428	479.8565063	0.02740605	0.00540532	0.001126041	0.004646631	0.001663266	0.77275902	2.43902E-06	0.001485785	0.002439415	0.004278504	0.00735769
2029 Oct	0.049451564	2.49465E-05	7.013184547	38.33174515	0.223410413	0.005042474	488.9881287	0.026723236	0.005934278	0.001266777	0.004526642	0.001622271	0.755475223	2.4493E-06	0.001453741	0.002391158	0.004212574	0.006746475
2029 Nov	0.050658029	2.27672E-05	7.572519779	42.03672791	0.242486849	0.005466585	558.4624023	0.028980656	0.006078054	0.001594785	0.004917842	0.001762747	0.817021966	2.5898E-06	0.001577534	0.002589672	0.004546763	0.006789097
2029 Dec	0.050695408	2.26814E-05	7.608723164	42.27105713	0.243727759	0.005493897	562.5841064	0.029127974	0.006082124	0.001612888	0.004943377	0.001771884	0.821029186	2.59825E-06	0.001585563	0.002602562	0.004568054	0.006800056
2030 Jan	0.050817125	2.26715E-05	7.604271889	42.24093628	0.243601531	0.005489926	562.1445923	0.029106192	0.006087274	0.00161191	0.004939542	0.00177054	0.820510209	2.59779E-06	0.001584381	0.002601234	0.004565456	0.006794671
2030 Feb	0.050961204	2.26702E-05	7.603842258	42.2342453	0.24362804	0.005488746	562.0164795	0.029100362	0.006091584	0.001611921	0.004938466	0.001770174	0.820443571	2.598E-06	0.001584046	0.002601481	0.004565012	0.00679306
2030 Mar	0.051062517	2.26797E-05	7.607017994	42.24954224	0.243751705	0.005490565	562.1987305	0.029110236	0.006096662	0.00161265	0.004940094	0.001770768	0.820775151	2.59927E-06	0.001584575	0.002602781	0.004566816	0.00679523
2030 Apr	0.05121861	2.27287E-05	7.6234622	42.33953476	0.244291157	0.005502163	563.3840942	0.029171862	0.006111289	0.001616167	0.004950525	0.001774513	0.822543085	2.605E-06	0.001587924	0.00260853	0.00457663	0.006809537
2030 May	0.052142546	2.30819E-05	7.759789944	43.27692413	0.248844206	0.005604596	576.4521484	0.029698012	0.006212397	0.001649504	0.00504182	0.001807653	0.837275028	2.65006E-06	0.001617306	0.002655832	0.004662712	0.006927696
2030 Jun	0.053366039	2.66339E-05	4.686448097	24.51208496	0.148532227	0.003173435	267.7409363	0.017333549	0.005800326	0.000413374	0.00298173	0.001047465	0.493978143	2.08139E-06	0.00093607	0.001713973	0.003373238	0.005410916
2030 Jul	0.052824751	2.92659E-05	5.676958084	39.95665359	0.187781647	0.004163317	493.2399292	0.021616498	0.005614009	0.000696039	0.003796882	0.001369138	0.604895115	2.27295E-06	0.001209484	0.001997332	0.0040196	0.006555393
2030 Aug	0.047350708	3.17574E-05	7.456633568	59.76609421	0.25412032	0.005777243	784.9087524	0.029093951	0.005108882	0.001231711	0.005149118	0.001885568	0.805426419	2.52475E-06	0.001656506	0.002560647	0.00499537	0.008255396
2030 Sep	0.04447433	3.34006E-05	7.750617027	61.44651413	0.263973206	0.006022962	801.4883423	0.030306285	0.005001034	0.001225961	0.005354292	0.001959289	0.839319766	2.53343E-06	0.001723715	0.002667377	0.005113853	0.008708835
2030 Oct	0.047096498	2.84085E-05	6.541013718	51.34881973	0.219615787	0.005079744	668.987793	0.025203325	0.0055472	0.001025222	0.004436009	0.001627308	0.703746617	2.28767E-06	0.001440768	0.002238478	0.004335558	0.007188474
2030 Nov	0.048634179	2.67461E-05	6.405060768	51.49691772	0.215240777	0.00500406	679.7016602	0.024611602	0.005757744	0.001075236	0.004341384	0.001596846	0.687693357	2.28115E-06	0.00141435	0.002188767	0.004288125	0.006859981
2030 Dec	0.048723396	2.67193E-05	6.401287079	51.47815323	0.215090603	0.005001238	679.5661621	0.024592962	0.005768778	0.001075534	0.004338099	0.001595733	0.687221408	2.28197E-06	0.001413414	0.002187236	0.004286621	0.006852092
2031 Jan	0.048865404	2.67045E-05	6.39734602	51.43580246	0.214974433	0.004997182	678.9630737	0.024572363	0.005774991	0.001074913	0.004334297	0.001594369	0.68675524	2.28175E-06	0.001412229	0.002186117	0.00428394	0.006845942
2031 Feb	0.049022302	2.66967E-05	6.39592886	51.41552353	0.214970693	0.00499498	678.6508789	0.024562078	0.005778909	0.001074861	0.004332375	0.001593683	0.686580539	2.28163E-06	0.001411615	0.002186086	0.004282666	0.006842734
2031 Mar	0.049123604	2.6701E-05	6.397216797	51.42103195	0.215037912	0.004995389	678.6993408	0.024564385	0.005782906	0.00107518	0.004332723	0.001593823	0.686706543	2.2823E-06	0.001411735	0.002186774	0.004283351	0.00684319
2031 Apr	0.049445581	2.6842E-05	6.434587002	51.74729156	0.216330275	0.005024912	683.1212769	0.02470682	0.005816116	0.001082459	0.004358264	0.001603259	0.690747499	2.2954E-06	0.00142007	0.002199714	0.004308818	0.006881396
2031 May	0.061553307	2.60122E-05	6.571876049	55.45420074	0.22671555	0.005116245	740.5941772	0.024896992	0.006134803	0.001241743	0.004445344	0.001641017	0.708369076	2.35724E-06	0.001447901	0.002292147	0.004482578	0.006792792
2031 Jun	0.096155964	2.40015E-05	4.68471384	31.77799988	0.165086508	0.003136489	372.0325317	0.016150773	0.007251994	0.000742671	0.002855814	0.001038565	0.49077633	2.18507E-06	0.000911539	0.001811841	0.003494556	0.004795392
2031 Jul	0.084972039	2.87258E-05	5.600507736	41.25754166	0.192050666	0.003969207	495.2888489	0.020155594	0.007339362	0.00081157	0.003614286	0.001307537	0.596224904	2.48025E-06	0.001153057	0.00207532	0.00419565	0.006067232
2031 Aug	0.048944749	2.97072E-05	6.969813347	63.14132309	0.241763458	0.005518853	821.288269	0.026617032	0.005035711	0.001196876	0.004885916	0.001792414	0.770353973	2.3956E-06	0.001578432	0.002398822	0.004851143	0.00771714
2031 Sep	0.047125004	2.32122E-05	7.618600845	84.19219971	0.272043645	0.006467826	1184.822998	0.029207967	0.005433742	0.001867753	0.005555456	0.002067355	0.853904903	2.51922E-06	0.00181976	0.002595671	0.005545211	0.007457334
2031 Oct	0.052340858	2.09004E-05	7.183947563	81.00202942	0.255623937	0.006136784	1150.069336	0.027290173	0.006126834	0.001836904	0.005210426	0.001944652	0.80309999	2.4916E-06	0.001717168	0.002440506	0.005301422	0.006780545
2031 Nov	0.052252024	2.01239E-05	7.547745705	88.11018372	0.271306336	0.006521974	1264.655151	0.028781941	0.00608935	0.002045497	0.005537089	0.002070035	0.847105205	2.5637E-06	0.001824614	0.002569843	0.005624176	0.006972078
2031 Dec	0.052326787	2.011E-05	7.542358398	88.04667664	0.271081597	0.006517138	1263.782349	0.028757118	0.006098712	0.002044233	0.005532284	0.002068305	0.846441388	2.56395E-06	0.001823147	0.002567763	0.005620839	0.006964753
2032 Jan	0.052452795	2.01018E-05	7.538162231	87.98362732	0.270943135	0.006512531	1262.840088	0.028736291	0.0061041	0.002043023	0.005528125	0.002066782	0.845925272	2.5636E-06	0.001821825	0.002566546	0.005617576	0.006959299
2032 Feb	0.052594885	2.00975E-05	7.536381245	87.94946289	0.270915896	0.00650987	1262.304932	0.028725116	0.006107549	0.002042562	0.005525858	0.002065953	0.84569782	2.56337E-06	0.001821088	0.002566356	0.005615843	0.00695632
2032 Mar	0.052689519	2.0102E-05	7.537961483	87.96066284	0.270992607	0.006510628	1262.441406	0.028728765	0.006111477	0.002043002	0.005526497	0.002066202	0.845860183	2.5641E-06	0.001821304	0.00256712	0.005616799	0.006957056

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.052879706	2.01569E-05	7.558504581	88.19634247	0.271742225	0.006528033	1265.810547	0.028805735	0.006129607	0.002048576	0.005541268	0.002071731	0.848157048	2.57121E-06	0.001826176	0.002574242	0.005631985	0.006975613
2032 May	0.053984378	2.04713E-05	7.655165672	91.65013123	0.277313381	0.006666463	1316.740234	0.029234968	0.006185435	0.002092613	0.005643911	0.002115832	0.858174264	2.5978E-06	0.001861834	0.002613131	0.005764842	0.007107135
2032 Jun	0.053342026	2.47456E-05	4.80295372	51.91231155	0.171878129	0.003914503	663.3078003	0.018185975	0.005609473	0.00075236	0.003432201	0.001270797	0.512357831	2.04272E-06	0.001109718	0.001762842	0.004050794	0.005618211
2032 Jul	0.049941633	2.83295E-05	5.511953831	77.49716187	0.209778696	0.005028955	1028.56958	0.021757044	0.005086891	0.000955614	0.004206358	0.001617648	0.588841558	2.09288E-06	0.001391816	0.00190239	0.004680907	0.006954268
2032 Aug	0.046144307	2.63362E-05	6.374331474	120.6243362	0.265194833	0.006650928	1704.888672	0.025861144	0.004967282	0.001631884	0.005300314	0.002107322	0.682933569	2.21483E-06	0.001788105	0.002203317	0.006041252	0.007748403
2032 Sep	0.044273987	2.87164E-05	6.339152813	105.7012939	0.253234982	0.006285455	1457.581421	0.025444826	0.004985736	0.0013595	0.005071187	0.00198996	0.680337489	2.18113E-06	0.001701608	0.002187649	0.005620817	0.00787862
2032 Oct	0.045666307	2.8666E-05	6.180750847	99.48290253	0.243903667	0.006047499	1361.664673	0.024690265	0.00521175	0.001261711	0.004884664	0.001909798	0.663147748	2.14677E-06	0.001639184	0.00213682	0.005392717	0.00770059
2032 Nov	0.046979241	2.65724E-05	6.35851717	117.7570496	0.262300521	0.006605218	1657.317139	0.025723824	0.005313898	0.00157397	0.005244687	0.002079705	0.682204664	2.17786E-06	0.001773184	0.002213856	0.005932158	0.007755077
2032 Dec	0.047852188	2.50077E-05	6.347474575	125.6580811	0.267587006	0.006794767	1789.602173	0.025815923	0.005397951	0.001717187	0.005344304	0.002134545	0.68053776	2.17415E-06	0.001814594	0.002216753	0.00612928	0.007637211
2033 Jan	0.048136603	2.49801E-05	6.340049744	125.4598923	0.267285258	0.006784141	1786.712769	0.025774382	0.005410929	0.001715109	0.0053354	0.002131072	0.679657459	2.17396E-06	0.001811684	0.002214601	0.006121256	0.00762386
2033 Feb	0.048460096	2.49719E-05	6.338711739	125.37883	0.267289251	0.006779625	1785.462036	0.025758615	0.005420277	0.001714796	0.005331846	0.002129688	0.679469764	2.17431E-06	0.001810498	0.002215012	0.006118389	0.007618473
2033 Mar	0.048703305	2.50018E-05	6.346710682	125.5072479	0.267659485	0.006786496	1787.238159	0.025785482	0.00543284	0.001716987	0.005337249	0.002131866	0.680302978	2.17749E-06	0.001812344	0.002218286	0.00612525	0.007626025
2033 Apr	0.049172357	2.51881E-05	6.394244194	126.4301834	0.269683033	0.00683636	1800.350586	0.025975375	0.005476808	0.001729862	0.005376464	0.00214754	0.685384274	2.19405E-06	0.001825666	0.002235174	0.006170632	0.007681959
2033 May	0.084719814	2.19414E-05	6.23524332	103.3158493	0.261115342	0.005970291	1461.578003	0.024221707	0.006509829	0.001827945	0.004809879	0.001906763	0.654664278	2.27465E-06	0.001615462	0.002313854	0.005635775	0.006570643
2033 Jun	0.093901001	2.42156E-05	5.42193079	53.7807579	0.207813799	0.004157236	672.0203247	0.019939976	0.00640605	0.001130721	0.003622263	0.001369911	0.564346313	2.13085E-06	0.001175229	0.002098989	0.004186375	0.005718864
2033 Jul	0.064473405	3.19225E-05	6.714547157	58.71030045	0.238918871	0.00522779	696.383667	0.026098235	0.005632212	0.001060711	0.004624285	0.001715441	0.708298028	2.38881E-06	0.00149061	0.002412762	0.004786388	0.007763629
2033 Aug	0.051527478	3.43666E-05	7.827207565	71.43092346	0.277938843	0.006299783	875.5567627	0.031234613	0.00513441	0.001331128	0.005533426	0.002058815	0.828378975	2.55717E-06	0.001787643	0.00275561	0.005486032	0.009017227
2033 Sep	0.050484657	2.43869E-05	6.637575626	67.74282837	0.235940859	0.005580068	895.4266357	0.026379041	0.005924324	0.001432611	0.004697565	0.001777229	0.690236926	2.34012E-06	0.001546096	0.002305083	0.004857876	0.006895781
2033 Oct	0.050457083	2.2433E-05	6.38038063	66.76985168	0.227521688	0.005411685	894.7220459	0.025362961	0.005978877	0.001446667	0.00452586	0.001717415	0.661491692	2.27346E-06	0.001494172	0.002217411	0.004719382	0.006485354
2033 Nov	0.052349199	2.18646E-05	6.199894905	64.77742767	0.220114648	0.005251382	869.1347046	0.02452038	0.006216298	0.001408156	0.004371364	0.001660801	0.640908539	2.27103E-06	0.001446582	0.002147508	0.004604073	0.006238556
2033 Dec	0.052387562	2.18599E-05	6.19861412	64.76457214	0.220056415	0.005250243	868.9924927	0.024513539	0.006221029	0.001407985	0.004370097	0.001660355	0.640746891	2.27147E-06	0.001446216	0.00214696	0.004603446	0.006236194
2034 Jan	0.052443959	2.18559E-05	6.197164536	64.74339294	0.220010161	0.005248575	868.6901855	0.02450553	0.00622343	0.00140763	0.0043686	0.001659799	0.640582621	2.27141E-06	0.001445742	0.002146547	0.0046023	0.006234005
2034 Feb	0.052507479	2.18541E-05	6.19674921	64.73394775	0.22001189	0.00524774	868.545166	0.024501866	0.006225042	0.001407573	0.004367902	0.001659542	0.640533209	2.27141E-06	0.001445516	0.002146583	0.004601814	0.006232947
2034 Mar	0.052551847	2.18571E-05	6.197674751	64.74082184	0.220053717	0.00524826	868.6275635	0.024504421	0.006227077	0.001407804	0.004368334	0.001659711	0.640625238	2.27182E-06	0.001445661	0.002147001	0.004602405	0.006233528
2034 Apr	0.052710842	2.19145E-05	6.213965416	64.9094162	0.220637262	0.005261905	870.8837891	0.024568204	0.006244077	0.001411516	0.00437969	0.001664028	0.642307162	2.27784E-06	0.001449421	0.002152701	0.004614447	0.006249714
2034 May	0.061874911	2.18339E-05	6.132701397	63.87585449	0.220541403	0.005128279	853.4796753	0.023959663	0.006472691	0.001416796	0.004277467	0.001627688	0.633115232	2.28431E-06	0.00141456	0.002158235	0.004576219	0.0061068
2034 Jun	0.082010761	2.48082E-05	5.292150974	46.09316254	0.19242093	0.003979043	542.4312744	0.019577954	0.00645014	0.000948985	0.003476057	0.001298634	0.54941088	2.13601E-06	0.001126863	0.001988468	0.003938287	0.00566826
2034 Jul	0.057532996	2.69727E-05	7.053156376	91.19380188	0.266690642	0.006298337	1227.471069	0.028355783	0.005786983	0.001663719	0.005304704	0.002035264	0.740273952	2.51776E-06	0.001746508	0.002469815	0.005738118	0.007717215
2034 Aug	0.055992089	3.18362E-05	7.723184109	93.45113373	0.287160844	0.006768398	1222.599976	0.030989464	0.005819916	0.001614785	0.005737487	0.002187217	0.815112352	2.67182E-06	0.001883231	0.002687896	0.006046048	0.008765085
2034 Sep	0.051038042	2.4702E-05	6.575151443	85.49402618	0.246246293	0.005965758	1153.008789	0.026292197	0.005904883	0.001525624	0.004907756	0.001890632	0.689632714	2.31383E-06	0.001632555	0.002287555	0.005268298	0.007136172
2034 Oct	0.052398641	2.11054E-05	6.412023544	91.39144135	0.245398	0.006024819	1274.37085	0.02576364	0.006119347	0.001716032	0.004876231	0.001898557	0.668443561	2.28756E-06	0.001633671	0.002236006	0.005354081	0.006619168
2034 Nov	0.052822396	2.07207E-05	6.51492548	94.79078674	0.250927329	0.006170876	1330.446533	0.026247703	0.006159562	0.001797805	0.004984747	0.001944735	0.67875272	2.31382E-06	0.001671258	0.002274953	0.005487577	0.006664485
2034 Dec	0.052886285	2.07084E-05	6.515434742	94.83744812	0.250960916	0.006172266	1331.309937	0.026248667	0.006167212	0.001799145	0.004985237	0.001945056	0.678758442	2.31506E-06	0.001671522	0.002275048	0.005489401	0.00666242
2035 Jan	0.052976929	2.06941E-05	6.515987873	94.90592957	0.251051277	0.006173842	1332.476929	0.026249751	0.00617036	0.001800724	0.004986072	0.001945534	0.678799272	2.31541E-06	0.00167187	0.002275513	0.005491363	0.006660964
2035 Feb	0.053085119	2.06915E-05	6.515472412	94.89648438	0.251064032	0.006172703	1332.333008	0.026244383	0.0061732	0.001800718	0.004985093	0.001945184	0.67873615	2.31546E-06	0.001671558	0.00227564	0.005490792	0.006659403
2035 Mar	0.053154849	2.06944E-05	6.516448498	94.9036026	0.251114994	0.006173125	1332.415283	0.026246415	0.006176023	0.001800994	0.004985433	0.001945324	0.678831339	2.31595E-06	0.001671676	0.002276144	0.005491393	0.006659803
2035 Apr	0.05339608	2.07746E-05	6.541699409	95.26730347	0.252095699	0.006196759	1337.511353	0.026347034	0.006201038	0.001807976	0.005004519	0.001952775	0.681458175	2.325E-06	0.001678078	0.002285058	0.005512546	0.006685268
2035 May	0.058326147	2.11931E-05	6.564355373	95.80400848	0.254496425	0.006193112	1341.486816	0.026291799	0.006366634	0.001813886	0.00500448	0.001954357	0.683968663	2.34972E-06	0.001677831	0.002308993	0.005548376	0.006716678
2035 Jun	0.071328603	2.48214E-05	4.458992004	40.45923996	0.159895301	0.003351071	445.1287842	0.016316749	0.006140933	0.000618002	0.002965146	0.001096979	0.464105904	1.99667E-06	0.000955203	0.001690788	0.003598877	0.005166694
2035 Jul	0.059844095	3.16553E-05	5.672897339	74.6024704	0.212906674	0.00498119	916.2868652	0.021964559	0.006087706	0.000847035	0.00424204	0.001609911	0.603892326	2.31449E-06	0.001390237	0.002038831	0.004955827	0.007254347
2035 Aug	0.043406744	3.09187E-05	6.164286137	100.9505844	0.245395735	0.006032155	1318.38269	0.024634399	0.004698036	0.001155508	0.004924174	0.001921412	0.666106641	2.13575E-06	0.001643846	0.002137018	0.005465176	0.008045553
2035 Sep	0.052886333	2.18839E-05	5.688373566	138.1128235	0.254934013	0.006689655	1973.675415	0.02306439	0.005965091	0.001776356	0.005069975	0.002074506	0.610612273	2.10835E-06	0.001752538	0.001973886	0.00618357	0.006918166
2035 Oct	0.054076396	2.23406E-05	5.483975887	125.1345749	0.239349574	0.006254975	1769.489014	0.022009436	0.006172359	0.001587001	0.004759046	0.001935365	0.587439239	2.07881E-06	0.001643147	0.001898941	0.005770771	0.006681667
2035 Nov	0.052408777	2.24385E-05	5.47089386	123.6137161	0.238312483	0.006212366	1744.055298	0.021992806	0.005974313	0.001562477	0.004742232	0.001925133	0.586850703	2.04646E-06	0.00163468	0.001897031	0.005716623	0.006702118
2035 Dec	0.052528001	2.23936E-05	5.466976166	123.7377853	0.238253415	0.006212906	1746.439697	0.021975042	0.005988388	0.001564866	0.004740637	0.001924977	0.586351991	2.04765E-06	0.001634465	0.001895474	0.005718841	0.006693076
2036 Jan	0.052637953	2.23825E-05	5.465024471	123.6933594	0.238189712	0.006210124	1745.848633	0.021963328	0.005992958	0.001564629	0.004738222	0.001924066	0.586112678	2.0477E-06	0.001633688	0.001895003	0.005716923	0.006688843
2036 Feb	0.052763227	2.2378E-05	5.46425581	123.6502075	0.238178864	0.006207915	1745.200928	0.02195611	0.005996058	0.001564409	0.004736539	0.001923396	0.586012185	2.0477E-06	0.001633116	0.001895095	0.005715377	0.006686342
2036 Mar	0.052831635	2.23757E-05	5.463897228	123.6281433	0.238175511	0.006206784	1744.868408	0.021952434	0.005997801	0.001564306	0.004735678	0.001923054	0.585964024	2.04772E-06	0.001632823	0.001895166	0.0057146	0.006685059
2036 Apr	0.053385034	2.24707E-05	5.51731205	123.9959946	0.240120724	0.006243926	1749.714355	0.022141565	0.006017495	0.001578918	0.004771187	0.001935509	0.592347383	2.06136E-06	0.001643997	0.001914925	0.005744977	0.006727064
2036 May	0.055422995	2.28617E-05	5.678713322	125.1148758	0.246028826	0.006355166	1763.650024	0.022708282	0.006106888	0.001619992	0.004876682	0.001972858	0.611257672	2.10737E-06	0.001677283	0.001975442	0.005840745	0.006862546
2036 Jun	0.063740835	2.22772E-05	5.022197723	75.40354919	0.195175231	0.00459795	1003.241882	0.018922428	0.006206738	0.00113835	0.003809183	0.001464118	0.542023182	2.10782E-06	0.00126527	0.001824857	0.004609913	0.005622552
2036 Jul	0.058681928	2.37928E-05	4.994293213	61.93567657	0.183979735	0.004255552	781.0117188	0.018723754	0.005906641	0.000937735	0.003643727	0.00136833	0.540772796	2.09986E-06	0.001192943	0.001803833	0.004289028	0.005675028
2036 Aug	0.058826864	2.4522E-05	5.171135902	62.98153687	0.189642459	0.004386378	790.8111572	0.019407578	0.005935247	0.000960555	0.003764351	0.001411204	0.56131947	2.14483E-06	0.001231432	0.00185922	0.004379075	0.005878688
2036 Sep	0.056426547	2.48491E-05	5.509903431	65.69001007	0.200922146	0.004666858	828.6820679	0.02074383	0.005770805	0.001053303	0.004015107	0.001500834	0.603894532	2.18302E-06	0.001312627	0.001960944	0.004526632	0.006180357
2036 Oct	0.055276141	2.4288E-05	5.747736454	68.24291992	0.208742499	0.004882596	873.1454468	0.02162607	0.005762967	0.001162569	0.004193039	0.001565716	0.635117352	2.2172E-06	0.001372851	0.002025449	0.004632372	0.006281489
2036 Nov	0.054991268	2.41392E-05	5.823812962	69.2604599	0.211479619	0.00495484	890.2349854	0.021915892	0.005755359	0.00119865	0.004253614	0.001588108	0.644965827	2.22898E-06	0.0013931	0.002048048	0.004676191	0.006320149
2036 Dec	0.054923154	2.40829E-05	5.841207504	69.49552155	0.212088212	0.004971598	894.3916626	0.021980451	0.005755367	0.001207933	0.004267304	0.00159318	0.647263706	2.23169E-06	0.001397747	0.002052889	0.004685527	0.006325858
2037 Jan	0.054947142	2.40807E-05	5.840861797	69.48960876	0.212078571	0.004971148	894.3203125	0.021978263	0.005756489	0.001207917	0.004266867	0.001593023	0.647219837	2.23172E-06	0.001397613	0.002052801	0.004685204	0.006325052
2037 Feb	0.054975305	2.40803E-05	5.84084034	69.48677063	0.212084591	0.004970923	894.2763672	0.021977371	0.005757338	0.001207934	0.004266671	0.001592954	0.647212625	2.23178E-06	0.001397551	0.002052869	0.004685095	0.006324734
2037 Mar	0.055005871	2.40867E-05	5.842440605	69.50440216	0.212146416	0.004972171	894.4992676	0.021982951	0.005759392	0.001208277	0.004267742	0.001593355	0.647387326	2.23242E-06	0.001397903	0.002053473	0.004686329	0.006326306
2037 Apr	0.055058751	2.41059E-05	5.847118855	69.55925751	0.21231842	0.004976088	895.2028809	0.0220003	0.005764276	0.001209251	0.004271104	0.001594612	0.647904217	2.23422E-06	0.001399005	0.002055141	0.004690053	0.00633128
2037 May	0.064665779	2.36808E-05	5.663105488	65.41683197	0.207188234	0.004712433	832.9856567	0.020979393	0.00603779	0.001178789	0.004055256	0.001515005	0.62448132	2.21748E-06	0.001327225	0.002022551	0.004521262	0.006042908
2037 Jun	0.072956994	2.39436E-05	5.425582886	57.09566879	0.198626533	0.004314781	689.4057617	0.019764941	0.006062955	0.0010619	0.003760528	0.001398337	0.594921112	2.14816E-06	0.001224191	0.001979785	0.004212317	0.005806015
2037 Jul	0.072183557	2.43062E-05	5.507612228	57.59897995	0.201018646	0.004378749	690.3564453	0.020108739	0.006055495	0.001069456	0.003822973	0.001419636	0.604581773	2.17012E-06	0.001243522	0.002005523	0.00426381	0.005909231
2037 Aug	0.071501136	2.47596E-05	5.603870392	58.25328445	0.20406726	0.004455888	693.6149902	0.020506846	0.006030873	0.001076977	0.003893603	0.00144477	0.615819573	2.18885E-06	0.001266016	0.002034923	0.004313536	0.006037778
2037 Sep	0.070574321	2.50466E-05	5.663025856	58.51710129	0.205674276	0.004503772	692.3447266	0.020758281	0.006001702	0.00107749	0.003936193	0.001459658	0.622853637	2.19727E-06	0.001279772	0.002050378	0.004335487	0.006120698
2037 Oct	0.069260255	2.49998E-05	5.663476467	58.21216965	0.2048444	0.004507959	684.3446045	0.020773968	0.005989263	0.00107034	0.003934565	0.001458462	0.623360991	2.19261E-06	0.001280177	0.002041347	0.004313059	0.006120244
2037 Nov	0.069118284	2.49846E-05	5.663244724	58.17321396	0.204691321	0.004508553	683.3121338	0.020772588	0.005995354	0.001069733	0.00393375	0.001458123	0.623383939	2.19304E-06	0.00128014	0.002039656	0.004309997	0.006117635
2037 Dec	0.069121569	2.49824E-05	5.665110588	58.2074585	0.204764187	0.004510493	683.7836304	0.020779718	0.005996238	0.001070667	0.003935334	0.001458728	0.623614252	2.19356E-06	0.001280674	0.00204025	0.004311574	0.006118675
2038 Jan	0.069129445	2.49817E-05	5.665004253	58.20596695	0.204761326	0.004510363	683.7660522	0.020779032	0.005996641	0.001070665	0.003935201	0.001458681	0.623600483	2.19358E-06	0.001280634	0.002040222	0.004311485	0.006118415
2038 Feb	0.069138773	2.49814E-05	5.664968491	58.20484543	0.204762459	0.004510266	683.7504883	0.020778622	0.005996904	0.001070668	0.003935116	0.001458651	0.623594999	2.19359E-06	0.001280607	0.002040235	0.004311429	0.006118273
2038 Mar	0.069146432	2.49821E-05	5.665159225	58.20639038	0.204770684	0.004510381	683.7674561	0.020779172	0.00599727	0.001070709	0.003935216	0.001458688	0.623615026	2.19367E-06	0.00128064	0.002040318	0.004311559	0.006118422
2038 Apr	0.069185071	2.4995E-05	5.668076515	58.23613358	0.2048769	0.004512683	684.1160889	0.020789787	0.006000452	0.001071263	0.003937223	0.001459433	0.623935699	2.19481E-06	0.001281294	0.002041377	0.00431377	0.006121541
2038 May	0.071245052	2.4982E-05	5.6418643	57.512146	0.204249397	0.004468273	672.9025879	0.020625966	0.006065284	0.001065871	0.003901373	0.001446255	0.620364487	2.19529E-06	0.001269301	0.002038885	0.004288058	0.006078941
2038 Jun	0.077620529	2.48201E-05	5.405092716	52.1303978	0.196217135	0.00415794	588.8036499	0.01949523	0.006176761	0.000986344	0.003654175	0.001352311	0.590901554	2.1491E-06	0.00118568	0.001983974	0.004068258	0.005816074
2038 Jul	0.078001074	2.5085E-05	5.451696396	52.45388412	0.197664857	0.004191597	590.3474731	0.019670179	0.006233518	0.00099072	0.003686096	0.001363439	0.595942318	2.17126E-06	0.001195661	0.002000607	0.004106112	0.005870835
2038 Aug	0.077456288	2.55168E-05	5.528184891	52.90610886	0.199984223	0.00425163	590.3480835	0.019986475	0.006223598	0.000992367	0.003740802	0.001382869	0.604678154	2.18863E-06	0.001213094	0.002023371	0.004145411	0.005979706
2038 Sep	0.076105729	2.57327E-05	5.565713882	53.00417328	0.200774968	0.004285022	585.4884033	0.020165935	0.006172915	0.000987278	0.003770021	0.001392844	0.609296918	2.18882E-06	0.001222596	0.002030588	0.004152861	0.006044382
2038 Oct	0.075275667	2.57262E-05	5.562336922	52.83398819	0.200171947	0.004285785	580.0125732	0.020165583	0.006165116	0.00098092	0.003767453	0.001391623	0.609085917	2.18586E-06	0.0012223	0.002024151	0.004139995	0.006045202
2038 Nov	0.075239055	2.57241E-05	5.567563534	52.91741943	0.200343534	0.004291331	580.7587891	0.020186309	0.00616768	0.000982977	0.003771807	0.001393264	0.609732687	2.18729E-06	0.001223796	0.002025502	0.004143741	0.006048757
2038 Dec	0.075239055	2.57207E-05	5.568573952	52.9400177	0.200383618	0.004292498	581.0292969	0.020190148	0.006168292	0.00098362	0.003772719	0.001393618	0.609861076	2.1876E-06	0.00122411	0.0020258	0.004144676	0.006049054
2039 Jan	0.075243816	2.57193E-05	5.568821907	52.94593048	0.200395301	0.004292768	581.0939941	0.020190949	0.00616855	0.000983811	0.003772923	0.0013937	0.609892905	2.18767E-06	0.001224182	0.002025885	0.004144899	0.006049023
2039 Feb	0.075250439	2.57185E-05	5.568976402	52.9489975	0.200403988	0.004292898	581.121582	0.020191362	0.006168717	0.000983922	0.003773028	0.001393741	0.609912097	2.18771E-06	0.001224218	0.002025955	0.004145015	0.006049002

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.075262792	2.57211E-05	5.569701672	52.95671463	0.200431749	0.004293462	581.2030029	0.020193908	0.006169523	0.000984094	0.003773518	0.001393924	0.609992683	2.18798E-06	0.001224378	0.002026227	0.004145556	0.006049688
2039 Apr	0.075298145	2.57323E-05	5.572140694	52.97977829	0.200520173	0.004295326	581.4554443	0.020202683	0.006172295	0.000984529	0.003775156	0.00139453	0.610259414	2.18894E-06	0.00122491	0.002027121	0.004147364	0.006052309
2039 May	0.075466909	2.57986E-05	5.585046291	53.08179855	0.20098117	0.004304772	582.3314209	0.020249724	0.006184565	0.000986285	0.003783665	0.001397638	0.611671805	2.19361E-06	0.001227641	0.00203188	0.004156194	0.00606733
2039 Jun	0.072701171	2.50378E-05	5.449057579	51.84071732	0.195052728	0.004198762	552.2075195	0.0197674	0.006147138	0.000971292	0.003704374	0.001364402	0.59676218	2.1822E-06	0.001199556	0.001985272	0.004119507	0.005877774
2039 Jul	0.069542505	2.51845E-05	5.321601391	49.13834381	0.188698962	0.00407057	505.5664063	0.019349191	0.006007878	0.000895991	0.003607044	0.001324335	0.581801236	2.14806E-06	0.001165701	0.001932832	0.004007584	0.005819607
2039 Aug	0.06855277	2.52504E-05	5.296937466	48.47201157	0.186987028	0.00404579	490.6079407	0.019273931	0.005974677	0.000876536	0.003585345	0.00131596	0.578920066	2.14498E-06	0.001158906	0.00191276	0.003969892	0.005811485
2039 Sep	0.068219967	2.53762E-05	5.330326557	48.76543808	0.188024253	0.004075526	490.924408	0.019412218	0.005969328	0.000880438	0.003610441	0.001325113	0.582872152	2.15089E-06	0.001167204	0.001922036	0.003986586	0.005853191
2039 Oct	0.0678913	2.53914E-05	5.338823795	48.83581924	0.188192189	0.004085136	489.7323303	0.01945156	0.005962743	0.000880884	0.003617283	0.001327622	0.583978832	2.15054E-06	0.001169684	0.001922971	0.003987431	0.005864041
2039 Nov	0.067906208	2.53899E-05	5.344000816	48.92607117	0.188395739	0.004090362	490.6438904	0.019471403	0.005965102	0.000883236	0.003621606	0.001329267	0.584608555	2.15199E-06	0.001171129	0.001924679	0.003991756	0.005867467
2039 Dec	0.067910135	2.53899E-05	5.344665527	48.93737411	0.188421279	0.004091023	490.7588501	0.019473881	0.005965632	0.000883531	0.003622144	0.001329472	0.584688067	2.15222E-06	0.00117131	0.001924896	0.003992319	0.005867887
2040 Jan	0.067912303	2.5389E-05	5.344857693	48.94181824	0.18843016	0.004091234	490.8002014	0.019474555	0.005965737	0.000883667	0.00362231	0.001329538	0.584712803	2.15226E-06	0.001171367	0.001924962	0.003992489	0.005867911
2040 Feb	0.067915574	2.53885E-05	5.345052719	48.94553757	0.18843931	0.004091423	490.8308716	0.019475229	0.005965828	0.00088378	0.003622464	0.001329598	0.584736943	2.15231E-06	0.001171419	0.001925037	0.003992646	0.005867981
2040 Mar	0.067924231	2.53908E-05	5.345714092	48.95277405	0.188463956	0.004091953	490.8994446	0.019477623	0.005966484	0.000883937	0.003622928	0.00132977	0.584811091	2.15255E-06	0.00117157	0.001925277	0.003993148	0.005868623
2040 Apr	0.067949481	2.53997E-05	5.347745895	48.97253799	0.188536614	0.004093538	491.0941162	0.019485032	0.005968649	0.000884317	0.003624324	0.001330284	0.585035145	2.15335E-06	0.001172022	0.001926009	0.003994674	0.005870783
2040 May	0.068668529	2.54041E-05	5.348330975	48.90579987	0.188697681	0.004088476	489.7970886	0.019466855	0.005996348	0.000886277	0.003620303	0.001328943	0.584941864	2.1565E-06	0.001170687	0.00192829	0.003994647	0.005864169
2040 Jun	0.073082305	2.50484E-05	5.170271397	45.76538086	0.182962298	0.003879876	447.4947815	0.018631248	0.006102742	0.000844177	0.00344847	0.001264914	0.563001692	2.12674E-06	0.001113402	0.001885465	0.003857199	0.005644445
2040 Jul	0.072567977	2.52634E-05	5.202239037	45.9045105	0.183851674	0.003904573	444.4052429	0.01877445	0.006087942	0.000842145	0.003473283	0.001273228	0.566684961	2.13346E-06	0.001120946	0.001895732	0.00387615	0.005696787
2040 Aug	0.072280444	2.54601E-05	5.253432274	46.40351105	0.185575143	0.003948951	445.9825439	0.018985832	0.006080147	0.000849902	0.003512646	0.001287571	0.572697341	2.14409E-06	0.00113367	0.0019114	0.003906564	0.005760214
2040 Sep	0.071718074	2.55504E-05	5.286541939	46.76671982	0.186626777	0.003980869	446.1466064	0.0191283	0.006057611	0.000855482	0.003539483	0.001297462	0.576725304	2.14821E-06	0.001142536	0.001919904	0.003923672	0.005800292
2040 Oct	0.071611524	2.55555E-05	5.29010725	46.80210114	0.186655134	0.003985338	445.3838806	0.019142726	0.006064448	0.000855686	0.003541942	0.001298419	0.577158749	2.14947E-06	0.00114357	0.00191981	0.003924289	0.005803335
2040 Nov	0.071616009	2.55554E-05	5.294528484	46.87616348	0.186819658	0.003989843	445.9459839	0.019159727	0.006066951	0.000857543	0.003545579	0.001299804	0.577694714	2.15075E-06	0.001144801	0.001921173	0.003927797	0.005806386
2040 Dec	0.071616918	2.55542E-05	5.295245171	46.89028549	0.186848417	0.003990613	446.0686646	0.019162485	0.006067248	0.000857924	0.003546203	0.001300043	0.577783763	2.15094E-06	0.001145012	0.001921402	0.003928422	0.005806766
2041 Jan	0.071619026	2.55535E-05	5.295559883	46.89670944	0.186861992	0.003990946	446.1196289	0.019163365	0.006067378	0.000858107	0.003546472	0.001300148	0.577823162	2.15102E-06	0.001145103	0.001921509	0.003928692	0.005806894
2041 Feb	0.071622387	2.55533E-05	5.29571867	46.89942169	0.186869338	0.003991088	446.1387329	0.019164179	0.006067496	0.000858188	0.003546591	0.001300193	0.577842295	2.15106E-06	0.001145142	0.001921571	0.003928815	0.005806962
2041 Mar	0.071629353	2.5555E-05	5.296212196	46.90476608	0.186887845	0.00399148	446.1848755	0.019165952	0.006067998	0.000858307	0.003546933	0.00130032	0.577897608	2.15125E-06	0.001145254	0.001921752	0.003929188	0.005807435
2041 Apr	0.071648143	2.55612E-05	5.297635078	46.91835022	0.186938941	0.003992577	446.3097534	0.019171106	0.006069545	0.000858574	0.003547902	0.001300677	0.578054309	2.15181E-06	0.001145568	0.001922268	0.003930252	0.005808936
2041 May	0.071729213	2.5555E-05	5.322192669	47.33638763	0.187941611	0.004016793	449.2156067	0.019265743	0.006074753	0.00086974	0.003568427	0.001308463	0.581058621	2.15762E-06	0.001152347	0.001930786	0.003950202	0.005826065
2041 Jun	0.070847332	2.51997E-05	5.192791462	45.75728989	0.182641417	0.00390212	426.8044739	0.018770365	0.006087337	0.00083689	0.003475259	0.001271949	0.565812707	2.14336E-06	0.001120795	0.001888529	0.003889289	0.005681961
2041 Jul	0.069100797	2.52781E-05	5.109705448	44.15441895	0.178787678	0.00382076	402.4250488	0.018491441	0.006009826	0.000790909	0.003412912	0.001246491	0.5559569	2.12048E-06	0.001099077	0.001858526	0.003824824	0.005641778
2041 Aug	0.069156311	2.54583E-05	5.155635357	44.60921478	0.180367589	0.003859271	404.3684387	0.01867222	0.006024259	0.00079883	0.003446775	0.001258921	0.561231732	2.13336E-06	0.001110069	0.001873285	0.00385468	0.005694807
2041 Sep	0.068838313	2.55479E-05	5.19328022	45.0657692	0.181685954	0.003894818	405.6533203	0.018828522	0.006011894	0.000807475	0.003477074	0.00127015	0.565776408	2.13928E-06	0.001120034	0.001884554	0.003877278	0.005736786
2041 Oct	0.068584979	2.55531E-05	5.206009865	45.24988556	0.182082132	0.003909052	405.318634	0.018883631	0.006006633	0.00081099	0.003487929	0.001274254	0.5673967	2.1402E-06	0.001123819	0.001887318	0.003883225	0.005749459
2041 Nov	0.068594769	2.55518E-05	5.211510181	45.3444252	0.182290077	0.003914689	405.932373	0.018904675	0.006009788	0.000813396	0.003492465	0.001275988	0.56806469	2.14178E-06	0.001125357	0.001889024	0.003887627	0.005753103
2041 Dec	0.068596154	2.55504E-05	5.21276474	45.36820221	0.182340771	0.003916009	406.1104736	0.018909546	0.006010148	0.000814028	0.003493552	0.001276404	0.568220019	2.1421E-06	0.001125721	0.001889436	0.003888696	0.005753858
2042 Jan	0.068598874	2.55499E-05	5.213067532	45.37393951	0.182353616	0.003916316	406.1512451	0.01891065	0.006010321	0.000814189	0.003493801	0.0012765	0.568257213	2.14218E-06	0.001125805	0.00188954	0.003888951	0.005754002
2042 Feb	0.06860178	2.55497E-05	5.213168621	45.37581635	0.182358712	0.003916406	406.1616821	0.018910963	0.006010403	0.000814249	0.003493874	0.001276529	0.568269551	2.1422E-06	0.00112583	0.001889582	0.003889028	0.005754025
2042 Mar	0.068606697	2.55507E-05	5.213541031	45.38022614	0.182372957	0.003916712	406.1947021	0.018912308	0.006010746	0.000814353	0.00349414	0.001276628	0.56831187	2.14234E-06	0.001125917	0.001889718	0.003889314	0.00575436
2042 Apr	0.068644486	2.55639E-05	5.21694231	45.41564941	0.182495683	0.003919433	406.4832764	0.018924806	0.006014057	0.000815083	0.003496535	0.00127751	0.568691552	2.14362E-06	0.001126694	0.001890937	0.003891904	0.005757839
2042 May	0.068932988	2.56065E-05	5.228362083	45.51866913	0.182947993	0.003927316	407.0256348	0.018962199	0.00602999	0.000818071	0.00350358	0.001280149	0.569939554	2.14829E-06	0.001128971	0.001895537	0.003900227	0.005767844
2042 Jun	0.068512902	2.54721E-05	5.135092735	44.14247894	0.179132462	0.003838457	389.8525391	0.018601932	0.006030741	0.000786569	0.003431558	0.001252042	0.558756709	2.13434E-06	0.001104589	0.00186556	0.003845282	0.005678979
2042 Jul	0.067665383	2.5494E-05	5.096308231	43.423709	0.177276164	0.003801317	377.0681152	0.018472485	0.005999568	0.000766122	0.003403052	0.001240394	0.554173112	2.12573E-06	0.001094698	0.001850458	0.003816497	0.005657459
2042 Aug	0.06658674	2.55287E-05	5.106548309	43.46931076	0.177309126	0.003814797	370.4632263	0.018532248	0.005943569	0.000763208	0.003411934	0.001243926	0.55559051	2.12159E-06	0.001098018	0.001846856	0.003808791	0.00567794
2042 Sep	0.066039823	2.55321E-05	5.113070488	43.53077698	0.177336529	0.003823975	367.1039429	0.018563924	0.005924518	0.000762759	0.003416916	0.001246038	0.556450129	2.12081E-06	0.001100077	0.001844879	0.00380577	0.005686154
2042 Oct	0.065776207	2.55241E-05	5.118066311	43.60532761	0.177428544	0.003831242	365.5545349	0.018588305	0.00591915	0.000763645	0.003421391	0.001247795	0.55714947	2.1197E-06	0.001101837	0.00184483	0.003805266	0.005691637
2042 Nov	0.06578847	2.55232E-05	5.123754978	43.70351791	0.177652285	0.003836984	366.166626	0.018610271	0.005921318	0.000766168	0.00342615	0.001249605	0.557842016	2.12121E-06	0.001103426	0.001846705	0.003809935	0.005695581
2042 Dec	0.065789528	2.55221E-05	5.124652863	43.72062683	0.177688718	0.003837929	366.2764893	0.018613759	0.005921563	0.000766624	0.003426929	0.001249903	0.557953238	2.12144E-06	0.001103687	0.001847	0.003810702	0.005696118
2043 Jan	0.065790653	2.55213E-05	5.124993801	43.72767258	0.17770344	0.003838297	366.3193054	0.01861506	0.005921627	0.000766821	0.003427229	0.001250018	0.557996273	2.12151E-06	0.001103788	0.001847116	0.003810995	0.005696277
2043 Feb	0.065792769	2.55212E-05	5.125043869	43.72854614	0.177706107	0.003838337	366.3232117	0.018615197	0.00592169	0.000766851	0.003427262	0.001250031	0.558002353	2.12152E-06	0.001103799	0.001847138	0.003811031	0.005696283
2043 Mar	0.065795369	2.55217E-05	5.125154972	43.72943878	0.17771031	0.003838413	366.3303833	0.018615568	0.005921853	0.000766869	0.003427329	0.001250056	0.558014274	2.12157E-06	0.001103821	0.001847182	0.003811111	0.005696393
2043 Apr	0.06582845	2.55342E-05	5.127680302	43.75096512	0.177798048	0.0038403	366.5104675	0.018624721	0.005924789	0.000767249	0.003429014	0.001250671	0.558289111	2.12262E-06	0.001104364	0.001848093	0.003812987	0.005699191
2043 May	0.066209182	2.55712E-05	5.134792805	43.78098297	0.178106338	0.00384336	366.4533081	0.018642433	0.005943183	0.000769003	0.003431957	0.0012518	0.559001148	2.12653E-06	0.001105294	0.001851523	0.00381786	0.005704432
2043 Jun	0.068667546	2.53587E-05	5.049018383	42.36942291	0.175523132	0.003743719	349.5769958	0.018232424	0.006003352	0.000752733	0.003349021	0.001221264	0.548436046	2.11214E-06	0.001077802	0.001831931	0.003753335	0.00559241
2043 Jul	0.068589464	2.55014E-05	5.071248531	42.49663162	0.176166609	0.003760511	347.714386	0.018324427	0.006011567	0.00075282	0.003365098	0.001226839	0.550914049	2.1198E-06	0.001082827	0.001838809	0.003767682	0.0056244
2043 Aug	0.06846714	2.56457E-05	5.105171204	42.80656433	0.177274346	0.0037893	347.5012207	0.018460436	0.006014226	0.000757174	0.003389945	0.001235984	0.554813623	2.12841E-06	0.001090949	0.001848761	0.003787408	0.005666021
2043 Sep	0.068077832	2.56867E-05	5.130340576	43.14219666	0.178128347	0.003814805	346.962616	0.018567596	0.005997053	0.000763422	0.003410897	0.00124386	0.557913065	2.13128E-06	0.001097952	0.001855234	0.003801277	0.00569339
2043 Oct	0.067927957	2.5626E-05	5.134166241	43.29920959	0.178203121	0.003823033	346.092926	0.018582469	0.00600574	0.000767627	0.003414998	0.001245676	0.558496654	2.13219E-06	0.001099783	0.001854519	0.003803233	0.005689544
2043 Nov	0.067889668	2.55619E-05	5.124076366	43.23083878	0.177745804	0.003816822	344.5870056	0.018539377	0.006019482	0.000766621	0.00340699	0.00124294	0.557341099	2.13127E-06	0.001097595	0.001849473	0.003795531	0.005673169
2043 Dec	0.0678927	2.55617E-05	5.124251366	43.23427963	0.177751884	0.003817008	344.6037292	0.018539937	0.006019924	0.000766718	0.003407119	0.001242992	0.557361305	2.13137E-06	0.001097643	0.001849521	0.003795696	0.0056732
2044 Jan	0.067895859	2.55615E-05	5.124302387	43.23523331	0.177754432	0.003817049	344.6074829	0.018540036	0.006020102	0.000766753	0.003407145	0.001243004	0.557367027	2.1314E-06	0.001097653	0.001849541	0.003795738	0.00567318
2044 Feb	0.06790182	2.55623E-05	5.124522209	43.23721695	0.177763194	0.0038172	344.6212769	0.018540746	0.006020429	0.000766801	0.003407278	0.001243053	0.557390928	2.13149E-06	0.001097696	0.001849629	0.003795895	0.005673372
2044 Mar	0.067909367	2.55644E-05	5.124950409	43.24071121	0.177778542	0.003817507	344.6488342	0.018542239	0.006020988	0.000766868	0.003407551	0.001243153	0.557437181	2.13167E-06	0.001097784	0.001849789	0.003796207	0.005673824
2044 Apr	0.067924686	2.55698E-05	5.126027584	43.24973679	0.177816167	0.003818302	344.7206116	0.018546108	0.006022285	0.00076703	0.003408261	0.001243412	0.557554185	2.13212E-06	0.001098013	0.00185018	0.003797001	0.005675005
2044 May	0.068047404	2.5608E-05	5.133656025	43.31109619	0.178086609	0.003823794	345.1636963	0.018573117	0.006031742	0.000768216	0.00341319	0.001245214	0.558380306	2.1353E-06	0.001099598	0.001853009	0.003802556	0.005683294
2044 Jun	0.063804962	2.34602E-05	4.705081463	38.79183578	0.160991833	0.003445928	304.3659973	0.016809713	0.005891719	0.000687762	0.003078897	0.001124451	0.506158292	2.10552E-06	0.000991565	0.001686371	0.003513242	0.005145652
2044 Jul	0.054161645	1.91382E-05	3.953918934	31.40620422	0.130330399	0.002793049	243.8451691	0.013677514	0.005601102	0.000560725	0.002489022	0.000914928	0.413489193	2.08916E-06	0.000802955	0.00137509	0.002992326	0.004160413
2044 Aug	0.045545012	1.52925E-05	3.312183142	25.12709808	0.103856049	0.002229896	193.7440948	0.010941342	0.005323564	0.00045137	0.001977548	0.000733897	0.333848029	2.08075E-06	0.000639717	0.001102343	0.002541107	0.003298028
2044 Sep	0.039568186	1.28267E-05	2.91264987	21.12712097	0.086908013	0.001872803	160.7832031	0.009186049	0.005134712	0.00037959	0.001651968	0.000618562	0.283651054	2.06483E-06	0.000535812	0.000925537	0.002247818	0.002750598
2044 Oct	0.037339758	1.18693E-05	2.764008045	19.63943863	0.080448143	0.001737806	148.4738464	0.00851716	0.005091857	0.00035482	0.00152837	0.000574836	0.26459679	2.05924E-06	0.000496427	0.000858258	0.00213702	0.00253979
2044 Nov	0.037363525	1.18754E-05	2.766312838	19.67233276	0.080535777	0.001740137	148.6145477	0.008526337	0.005094239	0.00035556	0.001530213	0.000575524	0.264882654	2.05963E-06	0.000497058	0.000859045	0.002138726	0.002541883
2044 Dec	0.03736525	1.18756E-05	2.766715288	19.6790905	0.080551885	0.001740541	148.6538849	0.008527908	0.005094409	0.000355732	0.00153055	0.000575651	0.264931947	2.05973E-06	0.00049717	0.000859184	0.002139058	0.002542184
2045 Jan	0.037366267	1.18756E-05	2.766788244	19.68039703	0.080555141	0.001740614	148.6611328	0.008528183	0.005094451	0.000355768	0.00153061	0.000575674	0.264941126	2.05974E-06	0.00049719	0.000859211	0.002139117	0.002542228
2045 Feb	0.037367303	1.18756E-05	2.766802788	19.68058205	0.080556035	0.001740623	148.6620178	0.008528218	0.005094479	0.000355775	0.001530618	0.000575677	0.264942855	2.05974E-06	0.000497193	0.00085922	0.002139126	0.00254223
2045 Mar	0.037369482	1.18761E-05	2.76692462	19.68142319	0.080559753	0.001740697	148.6682892	0.00852858	0.005094716	0.000355791	0.001530682	0.000575702	0.264954507	2.05983E-06	0.000497214	0.000859259	0.002139219	0.002542337
2045 Apr	0.03737564	1.18779E-05	2.767358065	19.68449211	0.080572464	0.001740968	148.6914215	0.008529909	0.005095521	0.000355848	0.001530921	0.000575791	0.264995992	2.06016E-06	0.000497291	0.000859395	0.002139553	0.002542732
2045 May	0.037413608	1.189E-05	2.770159006	19.70440865	0.080654055	0.001742729	148.8418427	0.00853854	0.005100682	0.000356208	0.001532469	0.000576374	0.265264213	2.06224E-06	0.000497794	0.000860265	0.002141718	0.002545305
2045 Jun	0.036885269	1.15911E-05	2.733250618	19.57547569	0.079325773	0.001717983	145.6330414	0.008402068	0.005086506	0.000358081	0.001510342	0.000568446	0.261144102	2.06055E-06	0.00049068	0.000846979	0.002127336	0.002488072
2045 Jul	0.034898598	1.06293E-05	2.559533358	17.89905167	0.072392032	0.001569591	131.8314056	0.00769715	0.005030074	0.000330196	0.001376962	0.000520939	0.239955962	2.05735E-06	0.000447972	0.000777726	0.002011743	0.002264339
2045 Aug	0.032350812	9.49833E-06	2.367620707	16.00502014	0.064526573	0.001401402	117.0973282	0.006884152	0.004939429	0.000296476	0.001224309	0.000466943	0.216226488	2.05546E-06	0.000399258	0.000696648	0.001876339	0.002009744
2045 Sep	0.030174131	8.60692E-06	2.225117922	14.54690552	0.058405988	0.001271581	105.6148758	0.006245091	0.004870326	0.000269821	0.001106041	0.000425071	0.198142797	2.05034E-06	0.000361479	0.000632507	0.00176984	0.001812242
2045 Oct	0.029252457	8.21064E-06	2.166177034	13.94171143	0.055772558	0.001216147	100.8849869	0.00596987	0.004857265	0.000259983	0.001055415	0.000407195	0.190396905	2.04909E-06	0.000345312	0.00060495	0.001724888	0.00172583
2045 Nov	0.029258829	8.21209E-06	2.167272568	13.95722198	0.055812906	0.001217124	100.9785995	0.005973881	0.004858091	0.000260362	0.001056245	0.000407508	0.190522254	2.04952E-06	0.000345586	0.000605314	0.001725777	0.001726692
2045 Dec	0.029260661	8.21243E-06	2.167691231	13.96379566	0.055829246	0.001217526	101.0176163	0.005975487	0.004858286	0.000260526	0.001056585	0.000407636	0.190572366	2.04964E-06	0.000345698	0.000605457	0.001726118	0.00172702
2046 Jan	0.029261312	8.21249E-06	2.167761803	13.96488953	0.055832088	0.001217592	101.0240402	0.005975751	0.00485833	0.000260555	0.00105664	0.000407657	0.190580815	2.04966E-06	0.000345716	0.000605482	0.001726174	0.001727072

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.029261921	8.21255E-06	2.167778254	13.96498013	0.055832651	0.001217599	101.0246429	0.005975789	0.004858375	0.000260557	0.001056647	0.00040766	0.19058229	2.04967E-06	0.000345719	0.000605488	0.001726186	0.001727082
2046 Mar	0.029264275	8.21315E-06	2.167936802	13.96599293	0.055836812	0.001217687	101.0319519	0.005976222	0.004858735	0.000260577	0.001056723	0.000407689	0.190596238	2.04982E-06	0.000345744	0.000605533	0.001726312	0.001727207
2046 Apr	0.02927365	8.21573E-06	2.168668985	13.97129345	0.055856559	0.001218123	101.068985	0.005978307	0.00486026	0.000260682	0.0010571	0.000407835	0.190662622	2.05047E-06	0.000345867	0.000605742	0.001726895	0.001727789
2046 May	0.029321697	8.2257E-06	2.171605825	13.99561024	0.055948615	0.001220006	101.2194443	0.005987147	0.00486562	0.000261258	0.001058742	0.000408461	0.190948978	2.05259E-06	0.000346403	0.000606691	0.001729196	0.001730158
2046 Jun	0.029375542	8.14422E-06	2.149313688	13.82675934	0.055253375	0.001203817	99.0230484	0.005912093	0.004865925	0.000259526	0.001045448	0.000403295	0.1886089	2.04646E-06	0.000341946	0.000601229	0.001720849	0.001703997
2046 Jul	0.02858226	7.75721E-06	2.065829992	12.99226284	0.052053843	0.001134287	92.12007904	0.005591889	0.004835458	0.000244664	0.00098391	0.00038104	0.178729117	2.03872E-06	0.000322109	0.000570305	0.001666179	0.001605755
2046 Aug	0.027363608	7.20998E-06	1.97462225	12.09971809	0.048310217	0.001054392	85.30187988	0.005204509	0.004792183	0.000228806	0.000911091	0.000355391	0.167431056	2.04016E-06	0.000298928	0.000531471	0.001601969	0.001483715
2046 Sep	0.026205869	6.75395E-06	1.905930281	11.41849804	0.045328587	0.000992203	79.81474304	0.004891541	0.004752448	0.000216415	0.000853769	0.000335194	0.158705816	2.03626E-06	0.0002807	0.000499492	0.001549062	0.00138601
2046 Oct	0.025724478	6.54928E-06	1.878626823	11.15625095	0.044073086	0.000966851	77.59495544	0.004759834	0.004747773	0.000212562	0.000829979	0.000326856	0.155083537	2.03442E-06	0.000273189	0.000485943	0.001527055	0.001343502
2046 Nov	0.025741277	6.55365E-06	1.881775379	11.2066555	0.044201426	0.000970057	77.8763504	0.004772631	0.00474888	0.000213784	0.000832658	0.000327857	0.15547882	2.03485E-06	0.00027408	0.00048707	0.001529527	0.001346243
2046 Dec	0.025743138	6.55398E-06	1.882256627	11.21445751	0.044220615	0.000970529	77.92253113	0.004774512	0.004749049	0.00021398	0.000833058	0.000328007	0.155537382	2.03497E-06	0.000274212	0.000487237	0.001529919	0.001346623
2047 Jan	0.025743796	6.55403E-06	1.882322788	11.21551704	0.044223368	0.000970593	77.92873383	0.004774764	0.004749086	0.000214007	0.000833111	0.000328027	0.155545458	2.03498E-06	0.000274229	0.000487261	0.001529972	0.001346673
2047 Feb	0.025744446	6.55409E-06	1.882338047	11.21559334	0.044223897	0.000970599	77.92920685	0.004774795	0.004749132	0.00021401	0.000833117	0.000328029	0.155546784	2.035E-06	0.000274231	0.000487266	0.001529982	0.00134668
2047 Mar	0.025747359	6.55476E-06	1.882533431	11.21674824	0.04422858	0.000970699	77.93720245	0.004775286	0.004749629	0.000214032	0.000833202	0.000328063	0.155562937	2.03521E-06	0.000274259	0.000487318	0.00153014	0.001346819
2047 Apr	0.025750842	6.55562E-06	1.882777929	11.21820164	0.044234373	0.000970824	77.94727325	0.004775904	0.004750248	0.00021406	0.00083331	0.000328106	0.155583173	2.03547E-06	0.000274295	0.000487382	0.001530339	0.001346992
2047 May	0.025897071	6.56724E-06	1.886568189	11.25864792	0.044410195	0.000973496	78.14122772	0.004787941	0.004756291	0.000215512	0.000835685	0.000329004	0.156019449	2.03658E-06	0.000275066	0.000489148	0.001533234	0.001349712
2047 Jun	0.026493743	6.54759E-06	1.880738616	11.19867611	0.044474576	0.000967318	77.03837585	0.004762675	0.004765185	0.000217772	0.000830776	0.000327243	0.155521616	2.03211E-06	0.000273434	0.000490365	0.001529768	0.001339835
2047 Jul	0.026004223	6.29451E-06	1.835616827	10.76061249	0.042651162	0.000928447	73.75862885	0.004580165	0.004758989	0.00021074	0.000795612	0.000314852	0.149920642	2.03601E-06	0.000262235	0.000472257	0.00150045	0.00128114
2047 Aug	0.025239656	5.96349E-06	1.780193448	10.21479321	0.040357716	0.000879788	69.70826721	0.004344864	0.004733225	0.000200752	0.000751272	0.000299246	0.143029705	2.03843E-06	0.00024812	0.000448531	0.001461901	0.001207168
2047 Sep	0.024459308	5.66874E-06	1.736350775	9.780379295	0.038430035	0.000839913	66.33817291	0.004143048	0.004706808	0.000192637	0.000714496	0.000286283	0.137432382	2.03594E-06	0.00023642	0.000427774	0.001428042	0.001144327
2047 Oct	0.024125161	5.53147E-06	1.719531178	9.63172245	0.037644118	0.000824469	65.08982849	0.004060365	0.004703454	0.000190705	0.000699872	0.000281175	0.135186464	2.03428E-06	0.000231815	0.000419133	0.001414349	0.001116989
2047 Nov	0.024140636	5.53454E-06	1.721497893	9.664335251	0.037726078	0.000826555	65.27144623	0.004068502	0.004704433	0.000191498	0.000701579	0.000281812	0.13543953	2.03443E-06	0.000232388	0.000419851	0.001415902	0.001118694
2047 Dec	0.024142236	5.53485E-06	1.72185576	9.669961929	0.037740067	0.000826899	65.30486298	0.004069878	0.0047046	0.000191638	0.00070187	0.000281921	0.135482445	2.03453E-06	0.000232485	0.000419974	0.001416193	0.001118975
2048 Jan	0.024143098	5.53496E-06	1.7219733	9.671743393	0.037744675	0.000827008	65.31541443	0.004070317	0.004704672	0.000191683	0.000701962	0.000281956	0.135496348	2.03457E-06	0.000232515	0.000420015	0.001416288	0.001119065
2048 Feb	0.024143966	5.53507E-06	1.722008467	9.671928406	0.037745595	0.000827023	65.3166275	0.004070394	0.004704774	0.000191688	0.000701975	0.000281962	0.135499164	2.03461E-06	0.000232519	0.000420025	0.001416316	0.001119086
2048 Mar	0.024144266	5.53509E-06	1.722015381	9.671960831	0.037745822	0.000827026	65.31681824	0.004070407	0.004704796	0.000191689	0.000701978	0.000281962	0.135499731	2.03462E-06	0.00023252	0.000420027	0.001416321	0.001119089
2048 Apr	0.024150345	5.53636E-06	1.722412825	9.674297333	0.037755128	0.000827222	65.33211517	0.004071367	0.004705844	0.000191737	0.000702144	0.000282029	0.135531902	2.03506E-06	0.000232575	0.000420129	0.001416643	0.00111935
2048 May	0.024173647	5.54164E-06	1.724058867	9.683646202	0.037791591	0.000828017	65.39494324	0.004075274	0.004710312	0.000191924	0.00070282	0.0002823	0.135662034	2.03699E-06	0.000232799	0.000420534	0.001417994	0.001120422
2048 Jun	0.024211701	5.50584E-06	1.708036423	9.537955284	0.037285265	0.000816231	64.21200562	0.004022949	0.004708814	0.000189389	0.000693124	0.00027849	0.133989885	2.0312E-06	0.000229548	0.000416592	0.001410878	0.001104427
2048 Jul	0.023990942	5.34943E-06	1.672083497	9.199101448	0.035961002	0.000787219	61.65888977	0.003889506	0.004702352	0.000183797	0.00066757	0.000269195	0.129813641	2.02793E-06	0.0002213	0.000404175	0.001389599	0.001062292
2048 Aug	0.02349248	5.12523E-06	1.636342287	8.867002487	0.034493815	0.000756423	59.18593597	0.003738072	0.004684614	0.000177989	0.000639225	0.000259288	0.125397474	2.02991E-06	0.000212324	0.000388721	0.001364987	0.001013479
2048 Sep	0.02294475	4.91339E-06	1.606666207	8.580077171	0.033173956	0.000729199	57.02924347	0.003598236	0.004666592	0.000172789	0.000613977	0.000250432	0.121572204	2.02869E-06	0.000204308	0.000374322	0.001341904	0.00096938
2048 Oct	0.022751134	4.83135E-06	1.597011209	8.498562813	0.032721613	0.000720393	56.36616898	0.003550064	0.00466483	0.000171846	0.000605548	0.000247496	0.120281279	2.02732E-06	0.000201665	0.000369279	0.001333853	0.000953277
2048 Nov	0.022768158	4.83321E-06	1.59820056	8.518801689	0.032770209	0.000721673	56.48251724	0.003554786	0.004666248	0.000172353	0.000606547	0.000247872	0.120433129	2.0275E-06	0.000202009	0.000369705	0.001334837	0.000954165
2048 Dec	0.022769131	4.83339E-06	1.598309159	8.520201683	0.03277389	0.000721763	56.49090576	0.003555153	0.00466639	0.000172388	0.000606622	0.000247901	0.120444857	2.02756E-06	0.000202034	0.000369739	0.001334926	0.000954244
2049 Jan	0.022769593	4.83342E-06	1.598318815	8.52025795	0.032774203	0.000721767	56.49122238	0.003555172	0.004666428	0.000172389	0.000606625	0.000247902	0.120445684	2.02757E-06	0.000202035	0.000369742	0.001334934	0.000954247
2049 Feb	0.022770036	4.83344E-06	1.598326325	8.520288467	0.032774493	0.000721769	56.4913826	0.003555184	0.004666454	0.000172391	0.000606627	0.000247903	0.120446309	2.02757E-06	0.000202036	0.000369745	0.001334939	0.00095425
2049 Mar	0.022771228	4.83365E-06	1.598397017	8.5206604	0.032776017	0.0007218	56.49382401	0.003555338	0.004666663	0.000172399	0.000606653	0.000247914	0.120451674	2.02766E-06	0.000202045	0.000369762	0.001334997	0.000954291
2049 Apr	0.022776488	4.83475E-06	1.598758936	8.522585869	0.032783482	0.000721964	56.50657654	0.003556142	0.004667721	0.000172438	0.00060679	0.00024797	0.120478965	2.02812E-06	0.00020209	0.000369846	0.001335299	0.000954506
2049 May	0.022804787	4.83955E-06	1.600338697	8.531493187	0.032819562	0.000722691	56.56365585	0.003559697	0.004672298	0.00017265	0.000607405	0.00024822	0.12060228	2.03002E-06	0.000202295	0.000370248	0.001336615	0.000955435
2049 Jun	0.022993963	4.8501E-06	1.595041871	8.502202034	0.032746069	0.000719937	56.30980301	0.003547357	0.004675448	0.000172514	0.000605681	0.000247284	0.120226949	2.02434E-06	0.000201614	0.00037045	0.001336779	0.000951108
2049 Jul	0.023105092	4.86225E-06	1.595521331	8.526451111	0.032808553	0.000721181	56.40923691	0.00355222	0.004680686	0.000173292	0.000607011	0.000247652	0.120376743	2.02325E-06	0.000202005	0.000371406	0.001339323	0.000951513
2049 Aug	0.023195582	4.8807E-06	1.602429986	8.584067345	0.032988958	0.000725373	56.76224136	0.003570994	0.004696497	0.000174604	0.000610516	0.00024903	0.120992802	2.02994E-06	0.000203174	0.00037323	0.001345086	0.00095606
2049 Sep	0.02324022	4.88754E-06	1.606453061	8.656847	0.033164404	0.000729948	57.1633873	0.003588101	0.004698865	0.000176383	0.000614146	0.000250392	0.121530131	2.0299E-06	0.000204411	0.000374711	0.001348351	0.000959439
2049 Oct	0.023279125	4.89236E-06	1.609209418	8.719303131	0.03330332	0.000733673	57.46861267	0.003601274	0.004700016	0.000177827	0.000617019	0.00025147	0.121933572	2.02903E-06	0.000205404	0.00037586	0.00135071	0.000962034
2049 Nov	0.023293495	4.89478E-06	1.611739159	8.762355804	0.033407636	0.000736281	57.71366882	0.003611451	0.004701035	0.000178883	0.000619186	0.000252286	0.122249082	2.02946E-06	0.000206126	0.000376762	0.001352789	0.000964109
2049 Dec	0.023294996	4.89507E-06	1.612056732	8.767249107	0.033419881	0.000736581	57.74277115	0.003612658	0.004701205	0.000179005	0.00061944	0.000252382	0.122286744	2.02955E-06	0.00020621	0.00037687	0.001353047	0.000964358
2050 Jan	0.023295552	4.89513E-06	1.612087727	8.767604828	0.033420958	0.000736604	57.74488068	0.003612753	0.004701259	0.000179014	0.000619459	0.00025239	0.122289971	2.02957E-06	0.000206217	0.00037688	0.001353072	0.000964379
2050 Feb	0.023295958	4.89515E-06	1.612094522	8.767632484	0.033421222	0.000736606	57.74502563	0.003612764	0.004701283	0.000179015	0.000619461	0.00025239	0.122290544	2.02958E-06	0.000206217	0.000376883	0.001353077	0.000964381
2050 Mar	0.023296338	4.89519E-06	1.612109184	8.767705917	0.033421595	0.000736612	57.74549484	0.003612794	0.004701327	0.000179017	0.000619466	0.000252392	0.122291677	2.0296E-06	0.000206219	0.000376887	0.001353088	0.000964388
2050 Apr	0.023300339	4.89602E-06	1.612379432	8.769173622	0.033427238	0.000736736	57.75514221	0.003613399	0.004702117	0.000179047	0.00061957	0.000252435	0.122312196	2.02994E-06	0.000206253	0.000376951	0.001353315	0.00096455
2050 May	0.023323298	4.9E-06	1.613691568	8.776589394	0.033456743	0.00073734	57.80294418	0.003616347	0.004705947	0.00017922	0.00062008	0.000252642	0.122414142	2.03153E-06	0.000206423	0.000377281	0.001354415	0.000965318
2050 Jun	0.023586059	4.91587E-06	1.609556437	8.749939919	0.033425409	0.000734565	57.44719696	0.003604127	0.004713451	0.000179087	0.000618107	0.00025174	0.122070089	2.02769E-06	0.000205701	0.000377752	0.001354756	0.000961801
2050 Jul	0.023687685	4.92805E-06	1.607240081	8.754006386	0.033413406	0.000734085	57.29536819	0.003600958	0.004715022	0.000179041	0.00061785	0.00025153	0.121929616	2.02451E-06	0.000205585	0.000377917	0.001355295	0.000960911
2050 Aug	0.023761455	4.94214E-06	1.612668872	8.80842495	0.033572719	0.000737843	57.61730957	0.003617252	0.004725856	0.000180324	0.000620999	0.000252749	0.122456461	2.02887E-06	0.000206635	0.00037945	0.001359847	0.000964692
2050 Sep	0.023799945	4.94848E-06	1.615908623	8.860265732	0.033702318	0.000741195	57.90983582	0.003630036	0.004728934	0.000181593	0.000623659	0.000253753	0.122862697	2.02944E-06	0.000207541	0.000380568	0.001362466	0.000967274
2050 Oct	0.023824023	4.9526E-06	1.618382215	8.893817902	0.033789568	0.000743359	58.10761261	0.003638724	0.00473203	0.000182413	0.000625438	0.000254429	0.123139441	2.03059E-06	0.000208138	0.000381365	0.001364495	0.000969114
2050 Nov	0.023831543	4.95416E-06	1.619718313	8.912638664	0.033837993	0.000744534	58.22018051	0.003643531	0.004733113	0.000182877	0.000626436	0.000254807	0.123290285	2.03117E-06	0.000208467	0.000381801	0.001365588	0.000970136
2050 Dec	0.02383266	4.95438E-06	1.619918108	8.915557861	0.033845417	0.000744715	58.23759079	0.003644265	0.004733259	0.000182949	0.000626589	0.000254865	0.123313293	2.03124E-06	0.000208518	0.000381867	0.001365751	0.00097029
2051 Jan	0.023833228	4.95447E-06	1.620011806	8.916987419	0.033849068	0.000744802	58.24607849	0.003644618	0.004733311	0.000182985	0.000626663	0.000254893	0.123324379	2.03127E-06	0.000208542	0.000381899	0.001365827	0.000970363
2051 Feb	0.023833591	4.95451E-06	1.620031118	8.917192459	0.033849735	0.000744816	58.24729919	0.003644675	0.004733345	0.000182991	0.000626674	0.000254898	0.123326331	2.03128E-06	0.000208546	0.000381906	0.001365842	0.000970375
2051 Mar	0.023834372	4.95465E-06	1.620077252	8.917443275	0.033850741	0.000744837	58.24892426	0.003644777	0.004733481	0.000182996	0.000626692	0.000254905	0.12332987	2.03134E-06	0.000208552	0.000381917	0.001365881	0.000970403
2051 Apr	0.023840217	4.95585E-06	1.620470524	8.919606209	0.033858981	0.000745017	58.26305008	0.003645661	0.004734631	0.00018304	0.000626844	0.000254967	0.123359814	2.03183E-06	0.000208602	0.00038201	0.001366212	0.000970638
2051 May	0.023898141	4.96227E-06	1.624395967	8.968042374	0.034001186	0.000748069	58.55040741	0.003658459	0.004739948	0.000184353	0.000629448	0.000255964	0.123781547	2.03397E-06	0.000209461	0.000383353	0.001369441	0.000973356
2051 Jun	0.024414321	4.98515E-06	1.630835056	9.155144691	0.034567483	0.000757166	59.35100174	0.003692267	0.00474673	0.000190619	0.000637733	0.000258871	0.124954835	2.02716E-06	0.000212097	0.000389181	0.001378891	0.000978159
2051 Jul	0.024511982	5.00168E-06	1.632194996	9.181323051	0.034633379	0.00075851	59.36698532	0.003697814	0.004754386	0.000191015	0.000638979	0.000259294	0.125102654	2.02808E-06	0.000212485	0.000390092	0.001381785	0.000979671
2051 Aug	0.024584107	5.01441E-06	1.636488438	9.233539581	0.034776475	0.000762067	59.66155624	0.00371221	0.004762176	0.000192273	0.000641827	0.000260387	0.125568882	2.03051E-06	0.000213453	0.000391364	0.001385387	0.000982772
2051 Sep	0.024622811	5.01839E-06	1.637613654	9.273017883	0.034859125	0.000764567	59.84765244	0.003719999	0.004762151	0.000193216	0.000643564	0.000261025	0.125814199	2.02848E-06	0.000214087	0.000391978	0.001386266	0.000984064
2051 Oct	0.024691544	5.02106E-06	1.636544704	9.317843437	0.034916494	0.000767041	59.96518707	0.003724203	0.004760221	0.000194148	0.000644791	0.000261463	0.125936925	2.02277E-06	0.000214631	0.000392233	0.001385603	0.000984173
2051 Nov	0.024710175	5.02336E-06	1.637854815	9.341234207	0.034971241	0.000768483	60.08998489	0.003729486	0.004761727	0.000194706	0.000645912	0.000261888	0.126103774	2.02294E-06	0.000215017	0.000392707	0.001386713	0.000985214
2051 Dec	0.024711642	5.02364E-06	1.638192058	9.346547127	0.034984455	0.000768808	60.1215477	0.003730786	0.004761878	0.000194838	0.000646187	0.000261992	0.12614426	2.02303E-06	0.000215108	0.000392823	0.001386987	0.000985482
2052 Jan	0.024712075	5.02367E-06	1.638211131	9.346796989	0.034985214	0.000768823	60.1230011	0.003730848	0.004761907	0.000194845	0.000646199	0.000261996	0.126146406	2.02304E-06	0.000215113	0.00039283	0.001387002	0.000985494
2052 Feb	0.024712762	5.02375E-06	1.638235211	9.346923828	0.034985859	0.000768833	60.1237793	0.003730898	0.004761981	0.000194848	0.000646208	0.000262	0.126148328	2.02307E-06	0.000215115	0.000392837	0.001387021	0.000985507
2052 Mar	0.02471453	5.02407E-06	1.638340473	9.347519875	0.034988184	0.000768882	60.12758636	0.003731135	0.00476229	0.000194861	0.000646249	0.000262017	0.126156464	2.0232E-06	0.000215129	0.000392863	0.00138711	0.000985569
2052 Apr	0.024718016	5.02476E-06	1.638565183	9.348798752	0.034993019	0.000768987	60.13579941	0.003731645	0.004762944	0.000194888	0.000646337	0.000262052	0.126173779	2.02347E-06	0.000215158	0.000392917	0.0013873	0.000985704
2052 May	0.024814585	5.03002E-06	1.639923811	9.356362343	0.035053954	0.000769462	60.17025375	0.003734102	0.004768167	0.000195398	0.00064677	0.000262234	0.126299575	2.02457E-06	0.0002153	0.000393599	0.001388439	0.000986137
2052 Jun	0.025189726	5.04673E-06	1.639783859	9.355876923	0.035176724	0.000768565	59.99747849	0.003730592	0.004780158	0.000196538	0.000646224	0.000262006	0.126332313	2.02322E-06	0.00021509	0.000395287	0.001389945	0.000984671
2052 Jul	0.025297103	5.06402E-06	1.645207763	9.421433449	0.035358448	0.00077283	60.35397339	0.00374861	0.004791476	0.000198124	0.000649846	0.000263371	0.126906067	2.02675E-06	0.000216291	0.000397046	0.001395019	0.000988647
2052 Aug	0.0253636	5.07668E-06	1.649953961	9.473503113	0.035506688	0.0007764	60.65539551	0.003763647	0.004800183	0.000199361	0.000652788	0.000264504	0.127391219	2.03002E-06	0.000217278	0.00039843	0.001398977	0.000992051
2052 Sep	0.025400668	5.08257E-06	1.652954698	9.524442673	0.035631683	0.000779689	60.94070435	0.003775966	0.004802724	0.00020061	0.000655369	0.000265475	0.127782404	2.03023E-06	0.000218162	0.00039949	0.001401386	0.000994497
2052 Oct	0.025429349	5.08668E-06	1.656454206	9.582970619	0.035774656	0.000783336	61.28039551	0.003789998	0.004804971	0.000202066	0.00065834	0.000266591	0.128223836	2.03077E-06	0.000219163	0.000400734	0.001404219	0.000997305
2052 Nov	0.025435809	5.08797E-06	1.657424092	9.596096039	0.035808876	0.000784163	61.35891724	0.003793401	0.004805922	0.000202388	0.000659041	0.000266858	0.12833111	2.03124E-06	0.000219395	0.000401045	0.001405015	0.000998036
2052 Dec	0.025437323	5.08828E-06	1.657822847	9.602458	0.035824645	0.000784555	61.39670563	0.003794951	0.004806068	0.000202547	0.000659369	0.000266981	0.128379315	2.03134E-06	0.000219503	0.000401183	0.001405339	0.000998355

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.02543796	5.08837E-06	1.657934546	9.604195595	0.03582906	0.000784656	61.40701675	0.003795377	0.004806121	0.000202591	0.000659459	0.000267015	0.128392667	2.03137E-06	0.000219533	0.000401222	0.001405429	0.000998443
2053 Feb	0.025438828	5.0885E-06	1.657994986	9.604776382	0.035830878	0.000784696	61.41053772	0.00379555	0.00480624	0.000202605	0.000659492	0.000267028	0.128398404	2.03142E-06	0.000219544	0.00040124	0.001405479	0.000998483
2053 Mar	0.025441112	5.08894E-06	1.658136129	9.605589867	0.035833973	0.000784762	61.41572571	0.003795871	0.00480665	0.000202623	0.000659548	0.000267051	0.128409356	2.03159E-06	0.000219562	0.000401275	0.001405598	0.000998567
2053 Apr	0.025447868	5.09027E-06	1.658571959	9.608113289	0.035843424	0.000784968	61.43184662	0.003796868	0.004807915	0.000202676	0.000659721	0.000267121	0.128443122	2.03212E-06	0.00021962	0.00040138	0.001405967	0.000998829
2053 May	0.025699217	5.1026E-06	1.66854775	9.756649017	0.036305465	0.000793682	62.28181839	0.003832244	0.00481736	0.000207323	0.000667224	0.000269966	0.129659653	2.03413E-06	0.000222087	0.000405674	0.001414091	0.001005556
2053 Jun	0.026263757	5.11757E-06	1.671268225	9.840171814	0.036705554	0.000796935	62.50856781	0.003843965	0.004824121	0.000211549	0.000670278	0.000271083	0.130251393	2.02816E-06	0.000223057	0.000409767	0.00141762	0.001006359
2053 Jul	0.026351463	5.1343E-06	1.676130891	9.889725685	0.036852255	0.000800243	62.75735855	0.003858524	0.004835728	0.00021263	0.00067313	0.000272167	0.130712181	2.0323E-06	0.00022399	0.00041133	0.001422334	0.001009915
2053 Aug	0.026446173	5.15322E-06	1.684943914	9.985104561	0.037123445	0.000806653	63.3266716	0.003885902	0.004850515	0.000214906	0.00067852	0.000274245	0.131592274	2.0387E-06	0.000225779	0.000413928	0.001429645	0.001016169
2053 Sep	0.026511045	5.16682E-06	1.695144057	10.12552738	0.037489016	0.000815498	64.16233063	0.003922217	0.004859623	0.000218356	0.000686012	0.000277089	0.132734194	2.04331E-06	0.000228254	0.000417232	0.001437988	0.001023985
2053 Oct	0.02653637	5.17214E-06	1.700850129	10.21478462	0.037712321	0.000820986	64.68993378	0.003944242	0.004862211	0.000220572	0.000690655	0.000278838	0.133419707	2.04484E-06	0.000229788	0.000419194	0.001442612	0.001028579
2053 Nov	0.026542764	5.17307E-06	1.701747656	10.23048306	0.037750237	0.000821958	64.78074646	0.003947964	0.004862599	0.000220963	0.000691448	0.000279135	0.133536145	2.0449E-06	0.000230055	0.00041952	0.001443334	0.001029321
2053 Dec	0.026543723	5.17325E-06	1.701985836	10.23433685	0.03775974	0.000822192	64.80361176	0.003948898	0.004862685	0.000221059	0.000691646	0.00027921	0.133565173	2.04496E-06	0.000230121	0.000419603	0.001443527	0.001029512
2054 Jan	0.026544256	5.17331E-06	1.702049613	10.23532867	0.03776231	0.000822252	64.80947113	0.003949139	0.004862721	0.000221084	0.000691697	0.000279229	0.133572847	2.04498E-06	0.000230138	0.000419626	0.001443578	0.001029561
2054 Feb	0.02654488	5.17337E-06	1.702076316	10.23555183	0.037763152	0.000822268	64.81080627	0.003949208	0.004862783	0.00022109	0.00069171	0.000279234	0.133575305	2.045E-06	0.000230142	0.000419634	0.0014436	0.001029577
2054 Mar	0.026545193	5.1734E-06	1.702086091	10.23560524	0.037763432	0.000822272	64.81112671	0.003949228	0.004862813	0.000221092	0.000691714	0.000279235	0.133576095	2.04501E-06	0.000230143	0.000419637	0.001443607	0.001029582
2054 Apr	0.026551286	5.17457E-06	1.702470899	10.23791504	0.037772007	0.000822457	64.82574463	0.003950119	0.004863914	0.000221142	0.00069187	0.000279298	0.1336063	2.04547E-06	0.000230195	0.000419732	0.001443933	0.001029814
2054 May	0.026625585	5.17998E-06	1.704069972	10.24791908	0.0378295	0.000823149	64.88011169	0.003953495	0.004869164	0.000221595	0.000692474	0.000279545	0.133748278	2.04696E-06	0.000230395	0.000420367	0.001445276	0.001030536
2054 Jun	0.027056567	5.18689E-06	1.701078653	10.22934246	0.037939396	0.000820827	64.66145325	0.003943552	0.004873426	0.000223113	0.000690931	0.000278855	0.133636534	2.04065E-06	0.000229826	0.000421982	0.001444398	0.001026537
2054 Jul	0.027136702	5.19748E-06	1.702113628	10.26015377	0.038011938	0.000822503	64.77662659	0.003950019	0.004877047	0.000223877	0.000692464	0.000279361	0.133825138	2.03997E-06	0.000230314	0.000422794	0.001446565	0.001027688
2054 Aug	0.02719982	5.20945E-06	1.706930041	10.3232336	0.038180199	0.00082669	65.1342926	0.003966872	0.004883866	0.000225395	0.000695856	0.000280657	0.134364009	2.04227E-06	0.000231459	0.00042428	0.00145055	0.001031321
2054 Sep	0.027240219	5.21679E-06	1.710300922	10.37248898	0.03830592	0.000829922	65.4145813	0.003979388	0.004887823	0.000226589	0.000698421	0.000281633	0.134764239	2.04336E-06	0.000232332	0.000425367	0.001453297	0.001033905
2054 Oct	0.02726179	5.21893E-06	1.711459398	10.40044975	0.038367111	0.000831674	65.56071472	0.003985315	0.004888532	0.000227264	0.000699716	0.000282114	0.134950966	2.04268E-06	0.000232791	0.000425865	0.001454226	0.001034976
2054 Nov	0.027271392	5.21994E-06	1.711897492	10.41098022	0.038389727	0.000832323	65.61225891	0.003987478	0.004888998	0.000227508	0.000700188	0.000282291	0.135018826	2.04248E-06	0.000232959	0.00042605	0.001454598	0.001035375
2054 Dec	0.027273448	5.22036E-06	1.712439895	10.41964054	0.038411189	0.00083285	65.66370392	0.003989588	0.004889198	0.000227724	0.000700635	0.000282459	0.13508442	2.04262E-06	0.000233106	0.000426238	0.001455039	0.001035811
2055 Jan	0.027274013	5.22042E-06	1.712519765	10.42093086	0.038414482	0.000832928	65.67131805	0.003989898	0.00488923	0.000227757	0.0007007	0.000282484	0.13509424	2.04264E-06	0.000233128	0.000426266	0.001455103	0.001035874
2055 Feb	0.027274432	5.22044E-06	1.712526083	10.42096519	0.038414769	0.00083293	65.67149353	0.003989909	0.00488925	0.000227759	0.000700702	0.000282484	0.135094821	2.04264E-06	0.000233129	0.000426269	0.001455107	0.001035876
2055 Mar	0.027275257	5.22056E-06	1.712566853	10.42120552	0.038415749	0.000832949	65.67298889	0.003990001	0.004889369	0.000227764	0.000700718	0.000282491	0.13509804	2.04269E-06	0.000233134	0.00042628	0.001455141	0.001035899
2055 Apr	0.027280428	5.22153E-06	1.712885022	10.42313766	0.038422927	0.000833103	65.68515015	0.003990741	0.004890278	0.000227807	0.000700848	0.000282543	0.135123163	2.04307E-06	0.000233177	0.00042636	0.001455411	0.001036091
2055 May	0.027302159	5.22569E-06	1.714300036	10.43241501	0.038455848	0.000833824	65.7432251	0.003994142	0.004894148	0.000228013	0.000701455	0.000282786	0.135237634	2.04469E-06	0.000233379	0.000426719	0.00145661	0.001036961
2055 Jun	0.027466832	5.24221E-06	1.710979223	10.4581337	0.038472548	0.000833866	65.65879059	0.003992018	0.004896785	0.00022861	0.00070202	0.000282726	0.135105386	2.03915E-06	0.000233457	0.000427652	0.001459245	0.001035411
2055 Jul	0.027582206	5.25911E-06	1.710186005	10.45479965	0.038462378	0.000833302	65.49401093	0.003989734	0.004905128	0.000228319	0.000701698	0.00028253	0.135011226	2.03934E-06	0.000233318	0.000427992	0.001460958	0.001035085
2055 Aug	0.027663464	5.27448E-06	1.715497494	10.50157833	0.038608272	0.000836671	65.77026367	0.004004637	0.004917348	0.000229405	0.000704505	0.000283626	0.135500237	2.04418E-06	0.000234255	0.000429451	0.001465442	0.001038659
2055 Sep	0.027698005	5.28085E-06	1.718421102	10.54648972	0.038721591	0.000839616	66.02336884	0.004015923	0.004920348	0.000230493	0.000706831	0.000284508	0.135859594	2.04485E-06	0.000235049	0.000430419	0.001467798	0.001040979
2055 Oct	0.027719539	5.28454E-06	1.720684767	10.57881546	0.038804684	0.000841694	66.21192932	0.00402418	0.004922844	0.000231283	0.000708533	0.000285152	0.136121407	2.04571E-06	0.000235621	0.00043117	0.001469641	0.001042727
2055 Nov	0.027727855	5.28607E-06	1.722099662	10.60052395	0.038859144	0.000843039	66.34015656	0.004029554	0.004923747	0.000231821	0.000709661	0.000285578	0.136289686	2.04614E-06	0.000235996	0.000431651	0.001470792	0.001043846
2055 Dec	0.027729576	5.28644E-06	1.722643733	10.60952377	0.038881235	0.000843585	66.39346313	0.004031724	0.00492387	0.000232046	0.000710124	0.000285752	0.136356935	2.04624E-06	0.000236148	0.000431842	0.001471232	0.001044292
2056 Jan	0.02773031	5.28651E-06	1.722686887	10.61006069	0.038882807	0.000843619	66.39662933	0.004031864	0.004923935	0.00023206	0.000710152	0.000285762	0.136361614	2.04626E-06	0.000236158	0.000431857	0.001471267	0.001044321
2056 Feb	0.027730968	5.28656E-06	1.722702503	10.6101408	0.038883321	0.000843625	66.3970871	0.004031894	0.004923985	0.000232063	0.000710157	0.000285765	0.13636291	2.04628E-06	0.00023616	0.000431862	0.001471279	0.001044328
2056 Mar	0.027732087	5.28673E-06	1.722758174	10.61047554	0.038884666	0.000843651	66.39914703	0.00403202	0.004924146	0.000232071	0.000710179	0.000285773	0.136367336	2.04634E-06	0.000236167	0.000431877	0.001471325	0.001044361
2056 Apr	0.027738312	5.28789E-06	1.72313714	10.61280441	0.038893271	0.000843836	66.41371918	0.004032906	0.004925231	0.000232122	0.000710335	0.000285836	0.136397362	2.04679E-06	0.000236219	0.000431973	0.001471648	0.001044589
2056 May	0.027905259	5.29516E-06	1.724643946	10.61698723	0.038976155	0.000844036	66.42086792	0.004034453	0.004933051	0.000232838	0.000710557	0.000285948	0.136533782	2.04802E-06	0.00023629	0.000432938	0.001472924	0.001044664
2056 Jun	0.028428243	5.3037E-06	1.720607281	10.57272911	0.039070465	0.000839952	65.97836304	0.004017569	0.004939417	0.000233987	0.000707404	0.00028473	0.136257067	2.04168E-06	0.000235214	0.000434393	0.001470571	0.001039472
2056 Jul	0.028534988	5.32247E-06	1.72644341	10.62827301	0.039239336	0.000843758	66.28379059	0.004034402	0.004953747	0.000235271	0.000710656	0.000285977	0.136802301	2.0469E-06	0.000236286	0.000436164	0.001475984	0.001043475
2056 Aug	0.028614396	5.33687E-06	1.732038736	10.69078922	0.03941654	0.000847983	66.6468277	0.004052235	0.00496385	0.000236777	0.000714166	0.000287325	0.137377098	2.05071E-06	0.00023746	0.000437821	0.001480681	0.001047496
2056 Sep	0.028669322	5.34723E-06	1.73711884	10.75179863	0.039583705	0.000852031	67.00562286	0.004068975	0.004971534	0.000238246	0.000717517	0.000288608	0.137913525	2.05376E-06	0.00023858	0.000439388	0.001484867	0.00105122
2056 Oct	0.028687507	5.34949E-06	1.740338564	10.81618977	0.039733242	0.000855974	67.37492371	0.004083656	0.004971427	0.000239852	0.0007207	0.000289792	0.138368979	2.05316E-06	0.000239657	0.000440632	0.001487402	0.001054064
2056 Nov	0.028695991	5.35079E-06	1.741731882	10.84008121	0.039791036	0.000857446	67.51439667	0.004089342	0.004972007	0.000240446	0.000721911	0.000290246	0.138546631	2.05333E-06	0.000240063	0.00044113	0.001488524	0.001055208
2056 Dec	0.028697465	5.35109E-06	1.742123127	10.84637356	0.039806586	0.000857829	67.55177307	0.004090871	0.004972144	0.000240603	0.000722235	0.000290368	0.138594151	2.05342E-06	0.00024017	0.000441266	0.001488842	0.001055524
2057 Jan	0.02869807	5.35115E-06	1.742144227	10.84653378	0.039807215	0.00085784	67.55271149	0.004090921	0.004972206	0.000240608	0.000722245	0.000290372	0.138596013	2.05344E-06	0.000240173	0.000441272	0.001488859	0.001055535
2057 Feb	0.028698586	5.35119E-06	1.742156625	10.84659672	0.039807618	0.000857845	67.55306244	0.004090945	0.004972245	0.00024061	0.000722249	0.000290374	0.138597041	2.05346E-06	0.000240174	0.000441277	0.001488868	0.001055541
2057 Mar	0.028700447	5.3515E-06	1.742259026	10.84722996	0.039810028	0.000857895	67.55698395	0.004091183	0.00497254	0.000240624	0.00072229	0.000290391	0.138605222	2.05358E-06	0.000240188	0.000441303	0.001488955	0.001055602
2057 Apr	0.028707236	5.35275E-06	1.742665291	10.84975529	0.039819352	0.000858095	67.5727005	0.004092135	0.004973701	0.000240681	0.000722459	0.000290458	0.138637558	2.05405E-06	0.000240244	0.000441407	0.001489302	0.001055847
2057 May	0.028772909	5.359E-06	1.744575024	10.86152363	0.039877262	0.000858957	67.64066315	0.004096308	0.004979726	0.000241104	0.000723199	0.000290759	0.138798729	2.05605E-06	0.000240489	0.000442049	0.001490925	0.001056818
2057 Jun	0.029158622	5.3692E-06	1.738994122	10.81103039	0.039863937	0.000854562	67.18387604	0.004077763	0.004985123	0.000241344	0.000719945	0.000289381	0.138360918	2.04975E-06	0.000239339	0.000442713	0.001489223	0.001051246
2057 Jul	0.029257767	5.38597E-06	1.743100047	10.85356808	0.039991487	0.000857371	67.39285278	0.004090163	0.004996651	0.000242313	0.000722417	0.000290298	0.138756111	2.05329E-06	0.00024014	0.000444164	0.001493641	0.001054165
2057 Aug	0.029382113	5.40943E-06	1.752083659	10.93222809	0.040237568	0.000862955	67.86608124	0.004115044	0.005016615	0.000244157	0.000727124	0.000292138	0.139572933	2.0616E-06	0.000241702	0.000446665	0.001501221	0.001060146
2057 Sep	0.029431099	5.41941E-06	1.758711457	11.02463055	0.04047823	0.000868837	68.40908813	0.004138966	0.005022771	0.000246417	0.000732052	0.000294006	0.140326217	2.06436E-06	0.000243338	0.000448834	0.001506621	0.001065314
2057 Oct	0.02945243	5.42365E-06	1.764180779	11.11811924	0.040705744	0.000874552	68.95672607	0.004161383	0.005023899	0.000248742	0.000736832	0.000295797	0.141020969	2.06501E-06	0.000244927	0.00045079	0.001511004	0.001069906
2057 Nov	0.029460339	5.42514E-06	1.765496492	11.13780212	0.040755529	0.000875776	69.07326508	0.0041663	0.005024825	0.00024923	0.000737861	0.000296186	0.141175121	2.06545E-06	0.000245268	0.000451233	0.001512077	0.001070941
2057 Dec	0.029461782	5.42542E-06	1.765828371	11.14299393	0.040768471	0.000876093	69.10411835	0.004167574	0.005024979	0.000249359	0.00073813	0.000296287	0.141214803	2.06555E-06	0.000245357	0.000451347	0.001512347	0.001071206
2058 Jan	0.02946228	5.42549E-06	1.765942931	11.14491844	0.04077325	0.000876209	69.11551666	0.004168033	0.005024998	0.000249408	0.000738228	0.000296324	0.141229123	2.06557E-06	0.000245389	0.000451388	0.001512439	0.001071299
2058 Feb	0.029462697	5.42552E-06	1.76597178	11.14532948	0.040774435	0.000876234	69.11793518	0.004168135	0.005025021	0.000249419	0.000738249	0.000296332	0.141232476	2.06558E-06	0.000245396	0.000451399	0.001512461	0.00107132
2058 Mar	0.029463395	5.42562E-06	1.766012669	11.1456728	0.04077559	0.000876258	69.12000275	0.004168243	0.005025116	0.000249427	0.000738269	0.00029634	0.141236141	2.06561E-06	0.000245403	0.00045141	0.001512495	0.001071346
2058 Apr	0.029467722	5.4264E-06	1.766267061	11.14727783	0.040781502	0.000876384	69.12995148	0.004168842	0.005025841	0.000249464	0.000738375	0.000296383	0.141256526	2.06591E-06	0.000245438	0.000451476	0.001512713	0.0010715
2058 May	0.029683212	5.43787E-06	1.776518941	11.30185318	0.041243639	0.000885519	70.02436829	0.004205858	0.005034218	0.000254118	0.000746224	0.000299356	0.142505407	2.06805E-06	0.00024802	0.000455724	0.001521026	0.001078705
2058 Jun	0.030386942	5.45061E-06	1.786535025	11.53032017	0.042055704	0.000897002	71.13172913	0.004249731	0.005036989	0.000262952	0.00075645	0.000303124	0.144174799	2.05945E-06	0.000251333	0.000463427	0.001530173	0.001085087
2058 Jul	0.03047738	5.46706E-06	1.790509343	11.56969357	0.04217536	0.000899619	71.3062439	0.004261351	0.005047994	0.000263773	0.000758711	0.000303981	0.144541755	2.06306E-06	0.000252071	0.000464755	0.001534248	0.001088029
2058 Aug	0.030565891	5.48349E-06	1.797564387	11.64630127	0.042395279	0.000904775	71.75762177	0.004283357	0.005060364	0.00026562	0.00076304	0.000305648	0.145251378	2.06811E-06	0.00025351	0.000466855	0.001540148	0.001093059
2058 Sep	0.030602757	5.48997E-06	1.801872849	11.71844482	0.042571522	0.000909364	72.17025757	0.004300896	0.005063163	0.000267383	0.000766729	0.000307033	0.145802185	2.06861E-06	0.00025476	0.000468366	0.001543584	0.001096641
2058 Oct	0.030629318	5.49376E-06	1.805740833	11.78745651	0.042735729	0.000913638	72.57055664	0.004317108	0.005064786	0.000269095	0.000770191	0.00030833	0.146309227	2.06879E-06	0.00025593	0.000469768	0.00154668	0.001099861
2058 Nov	0.030637467	5.49514E-06	1.806731462	11.80190659	0.042772472	0.00091455	72.65570831	0.004320742	0.005065741	0.000269452	0.000770946	0.000308616	0.146424145	2.06916E-06	0.000256182	0.000470097	0.00154749	0.001100625
2058 Dec	0.030638326	5.4953E-06	1.806921601	11.80492973	0.042779952	0.000914735	72.67365265	0.004321478	0.005065828	0.000269527	0.000771102	0.000308675	0.146447092	2.06921E-06	0.000256234	0.000470163	0.001547645	0.001100777
2059 Jan	0.030638745	5.49533E-06	1.806978703	11.80587673	0.04278237	0.000914792	72.679245	0.004321703	0.005065845	0.000269551	0.00077115	0.000308693	0.14645423	2.06921E-06	0.00025625	0.000470184	0.001547691	0.001100822
2059 Feb	0.030639166	5.49536E-06	1.80698657	11.80591774	0.042782672	0.000914795	72.67945862	0.004321717	0.00506587	0.000269553	0.000771152	0.000308694	0.146454915	2.06922E-06	0.00025625	0.000470187	0.001547696	0.001100825
2059 Mar	0.030639399	5.49537E-06	1.806990504	11.80593777	0.042782832	0.000914796	72.67956543	0.004321724	0.005065884	0.000269554	0.000771153	0.000308694	0.146455258	2.06923E-06	0.000256251	0.000470188	0.001547699	0.001100826
2059 Apr	0.030644743	5.49631E-06	1.80730021	11.80795765	0.042790201	0.000914952	72.69198608	0.004322463	0.005066754	0.0002696	0.000771285	0.000308747	0.146480381	2.06958E-06	0.000256295	0.000470269	0.001547964	0.001101015
2059 May	0.030769493	5.50347E-06	1.810275078	11.83865929	0.042918168	0.000916817	72.86322021	0.004330579	0.005073572	0.000270778	0.000772906	0.00030938	0.146794826	2.07122E-06	0.000256828	0.000471569	0.00155043	0.001102573
2059 Jun	0.031196322	5.51682E-06	1.813543797	11.87845039	0.043189686	0.000918603	73.02789307	0.004338446	0.005085599	0.000273544	0.000774682	0.000310045	0.14725177	2.07034E-06	0.000257386	0.000474515	0.001553591	0.00110302
2059 Jul	0.031326525	5.53972E-06	1.821465254	11.9441309	0.043403365	0.000923308	73.41986084	0.004359758	0.005105172	0.000275106	0.000778698	0.000311607	0.14795725	2.07808E-06	0.000258711	0.000476788	0.001560574	0.00110816
2059 Aug	0.031429652	5.55857E-06	1.828702092	12.0090971	0.043606054	0.000927885	73.8082428	0.004380049	0.005120984	0.000276649	0.000782555	0.000313112	0.148623884	2.08458E-06	0.000259991	0.000478836	0.001566679	0.001113006
2059 Sep	0.031476151	5.5672E-06	1.832986236	12.06616783	0.0437572	0.000931648	74.13789368	0.004395164	0.005126589	0.000278025	0.000785623	0.000314278	0.149105519	2.08651E-06	0.000261024	0.000480215	0.001570166	0.001116299
2059 Oct	0.031489331	5.56558E-06	1.833646059	12.11629677	0.043845512	0.0009347	74.40613556	0.004403945	0.005123019	0.000279271	0.000787722	0.00031503	0.149375662	2.08268E-06	0.000261796	0.000480785	0.0015705	0.00111745
2059 Nov	0.031501323	5.56705E-06	1.835126162	12.14301491	0.043908294	0.000936354	74.56149292	0.004410135	0.005123835	0.000279936	0.000789047	0.000315527	0.149570405	2.08275E-06	0.000262246	0.00048132	0.001571693	0.001118655

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.031502239	5.56724E-06	1.835414529	12.14779282	0.043919973	0.000936644	74.58985138	0.004411283	0.005123905	0.000280055	0.000789292	0.000315619	0.149606019	2.0828E-06	0.000262327	0.000481421	0.001571927	0.001118892
2060 Jan	0.031502839	5.5673E-06	1.835435152	12.14796066	0.043920618	0.000936655	74.59083557	0.004411335	0.005123963	0.00028006	0.000789301	0.000315623	0.149607912	2.08282E-06	0.000262331	0.000481427	0.001571943	0.001118903
2060 Feb	0.031503458	5.56735E-06	1.835452914	12.14806461	0.043921161	0.000936663	74.59143066	0.004411372	0.005124017	0.000280063	0.000789308	0.000315625	0.149609387	2.08284E-06	0.000262333	0.000481433	0.001571957	0.001118912
2060 Mar	0.031504579	5.56752E-06	1.835508227	12.14842415	0.043922555	0.000936691	74.5936203	0.004411502	0.005124174	0.000280072	0.000789331	0.000315635	0.149613932	2.0829E-06	0.00026234	0.000481448	0.001572004	0.001118944
2060 Apr	0.031512287	5.56886E-06	1.83595407	12.15139675	0.043933302	0.000936919	74.61184692	0.004412577	0.005125412	0.00028014	0.000789523	0.000315712	0.14965038	2.0834E-06	0.000262404	0.000481566	0.001572385	0.001119216
2060 May	0.03179327	5.57856E-06	1.840301633	12.20378113	0.044179797	0.000939778	74.88859558	0.004424685	0.005135113	0.000282589	0.000792061	0.000316697	0.150173083	2.08424E-06	0.000263235	0.000484048	0.001575917	0.001121068
2060 Jun	0.032287713	5.58819E-06	1.838171124	12.1863842	0.044329051	0.000937407	74.6048584	0.004414784	0.005141897	0.000284216	0.000790321	0.000316029	0.15009582	2.079E-06	0.00026263	0.000485923	0.001574953	0.001117587
2060 Jul	0.032420188	5.61128E-06	1.845146894	12.24010563	0.044511572	0.00094132	74.90519714	0.004432802	0.005161074	0.000285444	0.000793658	0.000317334	0.15069437	2.08631E-06	0.000263731	0.000487928	0.001581273	0.001122094
2060 Aug	0.032495104	5.62571E-06	1.850620747	12.3020401	0.044687308	0.00094556	75.26072693	0.004450452	0.005170534	0.000286921	0.000797128	0.000318669	0.151264295	2.08981E-06	0.000264897	0.000489558	0.00158581	0.001126089
2060 Sep	0.032509394	5.62841E-06	1.852646828	12.36611652	0.044816405	0.000949545	75.60984802	0.004463484	0.005167413	0.000288481	0.000800039	0.000319749	0.151667565	2.08701E-06	0.000265926	0.000490402	0.001587295	0.001128224
2060 Oct	0.032534953	5.63175E-06	1.856801987	12.44547176	0.045000233	0.00095443	76.06924438	0.004481692	0.005168396	0.000290448	0.000803963	0.000321214	0.152235046	2.08672E-06	0.000267257	0.000491942	0.001590599	0.001131774
2060 Nov	0.032542981	5.63259E-06	1.857977271	12.4692688	0.045054086	0.000955891	76.20671082	0.004487021	0.005168615	0.000291039	0.000805121	0.000321646	0.152401447	2.08652E-06	0.000267652	0.000492387	0.001591532	0.001132783
2060 Dec	0.032544859	5.63299E-06	1.85857892	12.479105	0.045078255	0.000956487	76.26514435	0.004489399	0.005168774	0.000291285	0.000805626	0.000321836	0.152475178	2.08665E-06	0.000267819	0.000492597	0.00159202	0.001133275
2061 Jan	0.032545485	5.63308E-06	1.858717799	12.48142624	0.045084029	0.000956626	76.27888489	0.004489953	0.005168801	0.000291343	0.000805744	0.000321881	0.152492493	2.08668E-06	0.000267858	0.000492647	0.001592131	0.001133388
2061 Feb	0.032545976	5.6331E-06	1.858741641	12.48175621	0.045085058	0.000956646	76.2808075	0.004490034	0.005168823	0.000291352	0.000805761	0.000321887	0.152495265	2.08668E-06	0.000267864	0.000492656	0.001592149	0.001133405
2061 Mar	0.032546721	5.6332E-06	1.858777165	12.48203182	0.045086067	0.000956666	76.28245544	0.004490124	0.005168912	0.000291359	0.000805778	0.000321894	0.152498394	2.08672E-06	0.000267869	0.000492667	0.001592179	0.001133426
2061 Apr	0.032554384	5.63451E-06	1.859208465	12.48492336	0.045096572	0.000956887	76.30011749	0.004491163	0.005170113	0.000291427	0.000805965	0.000321968	0.152533785	2.0872E-06	0.000267931	0.000492781	0.001592548	0.001133688
2061 May	0.032861825	5.64638E-06	1.865049362	12.5638237	0.04541292	0.000961224	76.70501709	0.004509046	0.005180751	0.000294553	0.000809744	0.00032343	0.153239205	2.08827E-06	0.000269173	0.000495883	0.001597385	0.001136785
2061 Jun	0.033344172	5.65389E-06	1.86246717	12.58610344	0.045629155	0.000960466	76.51281738	0.00450386	0.005179271	0.000296953	0.000809342	0.000323244	0.153256834	2.07922E-06	0.000269007	0.000498183	0.00159647	0.001134414
2061 Jul	0.03347924	5.67698E-06	1.869770765	12.65080833	0.045835298	0.000964981	76.87174225	0.004524074	0.005197634	0.000298466	0.00081319	0.000324733	0.153920293	2.08607E-06	0.000270277	0.000500367	0.001603097	0.001139313
2061 Aug	0.033590555	5.69664E-06	1.877565145	12.72476673	0.04606206	0.0009701	77.31091309	0.00454654	0.005213825	0.00030025	0.000817508	0.000326411	0.154656351	2.09268E-06	0.00027171	0.000502629	0.001609666	0.00114461
2061 Sep	0.033630956	5.70507E-06	1.883108616	12.80463505	0.04626821	0.000975187	77.77683258	0.004567046	0.005218468	0.000302201	0.000821747	0.000328014	0.155300587	2.09467E-06	0.000273121	0.000504467	0.001614156	0.001149037
2061 Oct	0.033627667	5.70322E-06	1.885694265	12.88615322	0.046433307	0.000980078	78.23658752	0.004583653	0.005213591	0.000304211	0.000825523	0.000329394	0.155803129	2.09126E-06	0.000274427	0.000505692	0.001616016	0.00115193
2061 Nov	0.033634383	5.70358E-06	1.887042284	12.91837311	0.046502486	0.000982038	78.42134094	0.004590551	0.005213094	0.00030501	0.000827049	0.000329959	0.156016558	2.09055E-06	0.000274953	0.000506239	0.001617059	0.001153179
2061 Dec	0.033635728	5.70387E-06	1.887460709	12.92522526	0.046519294	0.000982454	78.46203613	0.004592206	0.005213208	0.000305181	0.000827401	0.000330091	0.156067878	2.09064E-06	0.000275069	0.000506385	0.001617398	0.001153522
2062 Jan	0.033636544	5.704E-06	1.887681127	12.92888451	0.046528354	0.000982674	78.48374176	0.004593083	0.005213251	0.000305273	0.000827588	0.000330161	0.156095177	2.09068E-06	0.000275131	0.000506463	0.001617576	0.001153702
2062 Feb	0.033637263	5.70407E-06	1.887737513	12.92965794	0.046530537	0.000982722	78.48830414	0.004593279	0.005213304	0.000305293	0.000827629	0.000330177	0.156101584	2.0907E-06	0.000275144	0.000506483	0.00161762	0.001153744
2062 Mar	0.033639774	5.70446E-06	1.887874484	12.93065834	0.046534106	0.000982796	78.49434662	0.004593621	0.005213666	0.000305317	0.000827691	0.000330202	0.156113222	2.09084E-06	0.000275165	0.000506521	0.001617737	0.001153828
2062 Apr	0.033648152	5.70586E-06	1.888338447	12.93383217	0.046545587	0.000983037	78.51360321	0.004594747	0.005214949	0.000305393	0.000827894	0.000330283	0.156151608	2.09136E-06	0.000275233	0.000506646	0.001618134	0.001154111
2062 May	0.033671267	5.70978E-06	1.889673829	12.94343948	0.046579283	0.000983755	78.57180786	0.00459807	0.005218514	0.000305621	0.000828499	0.000330523	0.156263977	2.09279E-06	0.000275434	0.000507009	0.001619276	0.001154937
2062 Jun	0.033775695	5.71875E-06	1.883132696	12.89011288	0.046414867	0.000979587	78.14550781	0.004580138	0.00522046 1	0.00030438	0.000825465	0.000329141	0.155667529	2.08813E-06	0.000274335	0.000506271	0.001618173	0.001150116
2062 Jul	0.0338865	5.73372E-06	1.881793618	12.88468742	0.046394452	0.000978859	77.99969482	0.004577053	0.005227526	0.000304148	0.000825085	0.000328886	0.155549407	2.0875E-06	0.000274163	0.000506561	0.001619707	0.001149297
2062 Aug	0.033954408	5.74597E-06	1.886782527	12.95416832	0.046575014	0.000983408	78.39508057	0.004595162	0.005234116	0.000305841	0.000828767	0.000330287	0.156126708	2.08953E-06	0.000275408	0.000508116	0.001623848	0.001153134
2062 Sep	0.033980466	5.75049E-06	1.889921069	13.01784325	0.046719387	0.000987423	78.7488327	0.004609668	0.005234877	0.000307372	0.000831878	0.00033145	0.156578198	2.08883E-06	0.000276481	0.000509277	0.001626301	0.001155966
2062 Oct	0.033991653	5.74824E-06	1.88708818	13.06014633	0.046736598	0.000989469	78.80453491	0.004610896	0.005226641	0.000307998	0.000832629	0.000331703	0.156568229	2.08072E-06	0.000276882	0.000508998	0.001624109	0.001155608
2062 Nov	0.034007616	5.75032E-06	1.888073564	13.07585144	0.046774074	0.000990465	78.88960266	0.004614566	0.005228281	0.000308368	0.000833391	0.000331995	0.156685919	2.08104E-06	0.000277148	0.00050933	0.001624945	0.001156352
2062 Dec	0.034009103	5.75065E-06	1.888578296	13.08413506	0.046794388	0.000990967	78.93882751	0.004616565	0.005228403	0.000308575	0.000833817	0.000332155	0.156747892	2.08114E-06	0.000277288	0.000509506	0.001625353	0.001156767
2063 Jan	0.034009814	5.75076E-06	1.888753176	13.0870142	0.046801548	0.000991141	78.9559021	0.004617257	0.005228444	0.000308648	0.000833964	0.00033221	0.156769469	2.08118E-06	0.000277337	0.000509568	0.001625494	0.00115691
2063 Feb	0.034010448	5.75082E-06	1.888795376	13.08755875	0.046803 15	0.000991175	78.95911407	0.004617398	0.005228493	0.000308662	0.000833993	0.000332221	0.156774133	2.0812E-06	0.000277346	0.000509583	0.001625528	0.00115694
2063 Mar	0.034011181	5.75092E-06	1.888826609	13.08776951	0.046803996	0.00099119	78.96035767	0.004617471	0.005228582	0.000308667	0.000834006	0.000332227	0.156776741	2.08123E-06	0.000277351	0.000509592	0.001625554	0.001156958
2063 Apr	0.034015834	5.75169E-06	1.88907969	13.08951759	0.046810299	0.000991323	78.97090149	0.004618089	0.005229284	0.000308709	0.000834118	0.000332271	0.156797767	2.08151E-06	0.000277388	0.000509661	0.001625771	0.001157112
2063 May	0.034174673	5.75852E-06	1.890137911	13.09051228	0.0468794	0.000991261	78.94402313	0.00461841	0.005236293	0.000309284	0.000834103	0.000332294	0.156887725	2.08241E-06	0.000277383	0.000510482	0.001626723	0.001156982
2063 Jun	0.034882165	5.7665E-06	1.875723481	12.94650078	0.046753433	0.000979368	77.62477875	0.004567771	0.005236655	0.000308387	0.000824444	0.000328576	0.155581906	2.06798E-06	0.000274132	0.00051023	0.001617874	0.00114426
2063 Jul	0.034946587	5.77798E-06	1.875977278	12.95742702	0.046779394	0.000979841	77.58546448	0.004569736	0.005241015	0.000308464	0.00082494	0.000328718	0.155619726	2.06803E-06	0.000274275	0.000510696	0.001619412	0.001144957
2063 Aug	0.035061203	5.79777E-06	1.883839965	13.03507614	0.047013637	0.000985163	78.04301453	0.004592824	0.005257012	0.000310348	0.000829409	0.000330451	0.156375453	2.07442E-06	0.000275761	0.00051301	0.001626063	0.001150336
2063 Sep	0.035105679	5.80671E-06	1.889756441	13.12440586	0.047238465	0.000990826	78.56385803	0.004615192	0.005261636	0.000312535	0.00083406	0.000332212	0.157079831	2.07622E-06	0.000277319	0.000514964	0.001630863	0.00115504
2063 Oct	0.035111554	5.80781E-06	1.893060565	13.19414234	0.047395159	0.000995072	78.96779633	0.004630887	0.00526039	0.000314255	0.000837486	0.000333484	0.157561481	2.0753E-06	0.000278478	0.000516236	0.001633414	0.001158096
2063 Nov	0.035118777	5.80906E-06	1.894367337	13.21583271	0.047447823	0.000996412	79.09531403	0.004636106	0.005261022	0.000314792	0.000838593	0.0003339	0.157724455	2.07553E-06	0.000278848	0.000516691	0.001634467	0.001159166
2063 Dec	0.035120763	5.80945E-06	1.894795895	13.2224474	0.047464386	0.000996817	79.13464355	0.004637736	0.005261244	0.000314957	0.000838936	0.00033403	0.157775328	2.07566E-06	0.000278961	0.000516837	0.001634816	0.00115951
2064 Jan	0.035121564	5.8096E-06	1.895054698	13.22676563	0.047475021	0.000997077	79.16028595	0.004638772	0.005261283	0.000315065	0.000839157	0.000334113	0.157807454	2.07571E-06	0.000279034	0.000516929	0.001635024	0.001159723
2064 Feb	0.035122395	5.8097E-06	1.895138144	13.22794056	0.047478214	0.00099715	79.16723633	0.004639068	0.005261353	0.000315095	0.000839219	0.000334136	0.157816991	2.07574E-06	0.000279055	0.000516958	0.001635091	0.001159786
2064 Mar	0.035125382	5.81017E-06	1.895299911	13.22916603	0.047482502	0.000997239	79.17454529	0.004639478	0.005261776	0.000315125	0.000839294	0.000334166	0.157830924	2.07591E-06	0.00027908	0.000517003	0.00163523	0.001159887
2064 Apr	0.035130568	5.81101E-06	1.895575762	13.23110008	0.047489468	0.000997385	79.18611908	0.004640154	0.00526254	0.000315171	0.000839417	0.000334215	0.157853946	2.07621E-06	0.00027912	0.000517079	0.001635467	0.001160055
2064 May	0.035357885	5.81935E-06	1.900546312	13.30102444	0.047753748	0.0010013	79.56362915	0.004656226	0.005269847	0.00031782	0.000842831	0.000335524	0.158466503	2.0769E-06	0.00028024	0.000519628	0.001639499	0.001162896
2064 Jun	0.035964023	5.82805E-06	1.900333166	13.34863663	0.048095264	0.001002038	79.56584167	0.00465759	0.005272076	0.000321576	0.000843798	0.000335863	0.158773988	2.0683E-06	0.000280518	0.000523159	0.001640187	0.001161355
2064 Jul	0.036078073	5.84661E-06	1.906373501	13.41081715	0.048281696	0.001006223	79.91419983	0.004675812	0.005285874	0.000323089	0.000847377	0.000337225	0.159365952	2.07312E-06	0.000281698	0.000525071	0.001645755	0.001165558
2064 Aug	0.036149666	5.85913E-06	1.911792874	13.48091602	0.04847037	0.001010793	80.3181076	0.004694622	0.005293599	0.00032481	0.000851178	0.000338672	0.159965158	2.0759E-06	0.000282969	0.000526766	0.001650286	0.001169678
2064 Sep	0.036170915	5.86439E-06	1.917885184	13.59918022	0.048741136	0.001018095	81.00283813	0.004721858	0.005293274	0.000327707	0.00085704	0.000340867	0.160807952	2.07522E-06	0.000284953	0.000528943	0.001655072	0.001175033
2064 Oct	0.036200732	5.86979E-06	1.924080968	13.70151901	0.04899	0.001024384	81.60704041	0.004746491	0.005295947	0.000330246	0.000862268	0.000342833	0.161575839	2.07643E-06	0.000286696	0.000531098	0.001660077	0.001180107
2064 Nov	0.036210563	5.87174E-06	1.925982475	13.7299099	0.049062055	0.001026132	81.77590179	0.004753578	0.005297121	0.000330953	0.000863753	0.000343394	0.161797494	2.07709E-06	0.000287186	0.000531738	0.001661632	0.001181615
2064 Dec	0.036211725	5.87197E-06	1.926249385	13.73407555	0.049072441	0.001026387	81.80065918	0.004754601	0.005297246	0.000331057	0.000863969	0.000343475	0.161829367	2.07717E-06	0.000287257	0.00053183	0.001661849	0.00118183
2065 Jan	0.036212228	5.87207E-06	1.926425099	13.73702145	0.049079683	0.001026564	81.81816101	0.004755306	0.00529727	0.000331131	0.00086412	0.000343532	0.161851242	2.0772E-06	0.000287307	0.000531892	0.00166199	0.001181976
2065 Feb	0.036212929	5.87216E-06	1.92649889	13.73803711	0.049082432	0.001026627	81.8241806	0.004755565	0.005297338	0.000331156	0.000864173	0.000343552	0.161859542	2.07723E-06	0.000287325	0.000531917	0.00166205	0.001182031
2065 Mar	0.036216237	5.87268E-06	1.926671624	13.73929024	0.049086913	0.00102672	81.83163452	0.004755994	0.005297807	0.000331187	0.000864252	0.000343583	0.16187416	2.07741E-06	0.000287351	0.000531965	0.001662198	0.001182137
2065 Apr	0.036225546	5.87418E-06	1.927163482	13.74279499	0.049099471	0.001026982	81.85250854	0.004757207	0.00529916	0.000331272	0.000864472	0.000343671	0.161915511	2.07794E-06	0.000287424	0.000532101	0.001662622	0.001182439
2065 May	0.036425684	5.88396E-06	1.933506846	13.82897472	0.049392462	0.001032048	82.34351349	0.004778117	0.005307607	0.000334164	0.000868852	0.000345345	0.16266337	2.07975E-06	0.000288864	0.000534895	0.001667782	0.001186439
2065 Jun	0.036861364	5.8918E-06	1.929000378	13.79295254	0.049456436	0.001028292	81.90393829	0.004762026	0.005310731	0.000334979	0.000865959	0.000344212	0.162340701	2.07307E-06	0.000287868	0.000535993	0.0016655	0.001181822
2065 Jul	0.0370114	5.9167E-06	1.936572433	13.86340332	0.049678717	0.001033098	82.27694702	0.004783363	0.005329855	0.000336622	0.000870064	0.000345793	0.163038149	2.07994E-06	0.00028922	0.000538368	0.001672558	0.001187002
2065 Aug	0.037125885	5.93675E-06	1.945094109	13.95538139	0.049946804	0.001039283	82.81523132	0.004809712	0.0053451	0.000338866	0.000875246	0.00034779	0.163893387	2.08604E-06	0.000290943	0.00054095	0.001679706	0.001193043
2065 Sep	0.037126448	5.93837E-06	1.948871493	14.04588127	0.050140765	0.001044876	83.33097076	0.004829648	0.00534203	0.00034105	0.000879626	0.000349409	0.164500564	2.08379E-06	0.000292445	0.000542433	0.001682504	0.001196842
2065 Oct	0.037124023	5.9354E-06	1.950995207	14.13913822	0.050307784	0.001050519	83.84621429	0.004847129	0.00533645	0.000343274	0.000883686	0.000350589	0.165028051	2.07865E-06	0.000293902	0.000543554	0.0016839	0.001199595
2065 Nov	0.037139885	5.93726E-06	1.952228904	14.16452312	0.050362915	0.001052086	83.98292542	0.004852606	0.005337591	0.00034387	0.000884867	0.000351334	0.165199742	2.07851E-06	0.000294316	0.000544009	0.001684921	0.001200646
2065 Dec	0.037140757	5.93744E-06	1.952441931	14.16794395	0.050371334	0.001052295	84.00325012	0.004853436	0.005337677	0.000343955	0.000885043	0.0003514	0.165225595	2.07856E-06	0.000294374	0.000544082	0.001685094	0.001200819
2066 Jan	0.037141666	5.93761E-06	1.952732921	14.17277336	0.050383244	0.001052586	84.0319519	0.004854597	0.005337728	0.000344076	0.00088529	0.000351493	0.165261626	2.07862E-06	0.000294456	0.000544185	0.001685328	0.00120106
2066 Feb	0.037143111	5.93779E-06	1.952821016	14.17370892	0.050386142	0.001052648	84.03746796	0.00485486	0.005337887	0.0003441	0.000885342	0.000351513	0.165270403	2.07868E-06	0.000294473	0.000544213	0.001685401	0.001201119
2066 Mar	0.037148301	5.93859E-06	1.953083992	14.17560768	0.050392997	0.001052789	84.04871368	0.00485551	0.005338608	0.000344147	0.000885461	0.00035156	0.16529268	2.07896E-06	0.000294513	0.000544287	0.001685627	0.00120128
2066 Apr	0.037154917	5.93963E-06	1.953426242	14.17808723	0.050401863	0.001052973	84.06338501	0.004856359	0.005339546	0.000344207	0.000885615	0.000351622	0.165321648	2.07932E-06	0.000294564	0.000544383	0.001685922	0.00120149
2066 May	0.037201021	5.94426E-06	1.954819798	14.18718529	0.050443899	0.001053634	84.11483002	0.0048595	0.005343897	0.000344514	0.000886179	0.000351849	0.165440455	2.08076E-06	0.000294751	0.000544847	0.001687122	0.001202224
2066 Jun	0.037531272	5.95318E-06	1.944278598	14.07976055	0.050247952	0.001045332	83.20973969	0.004824476	0.005345413	0.000342827	0.000879574	0.000349206	0.16442585	2.07255E-06	0.000292493	0.000543868	0.001682124	0.001193679
2066 Jul	0.037710689	5.98204E-06	1.952574134	14.16540146	0.05050556	0.001050974	83.65208435	0.004849084	0.005366548	0.00034484	0.000884433	0.000351047	0.165221423	2.07955E-06	0.000294085	0.000546641	0.001690331	0.001199473
2066 Aug	0.037830066	6.00244E-06	1.961217999	14.25884342	0.05077805	0.001057233	84.19866943	0.004875807	0.005382183	0.00034713	0.000889694	0.000353073	0.16608882	2.08576E-06	0.000295833	0.00054927	0.001697612	0.001205595
2066 Sep	0.037866522	6.00984E-06	1.966206074	14.33646584	0.050971538	0.001062184	84.64837646	0.004895202	0.00538585	0.000349016	0.000893738	0.000354597	0.166696861	2.08696E-06	0.000297192	0.000550959	0.001701605	0.00120971
2066 Oct	0.037875488	6.01152E-06	1.970717669	14.42994308	0.05118015	0.001067895	85.1934433	0.004916255	0.005384834	0.000351311	0.000898324	0.000356303	0.16734457	2.08595E-06	0.000298748	0.000552653	0.0017051	0.001213813

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.037879214	6.01213E-06	1.97194171	14.454813	0.051235914	0.001069422	85.33837128	0.004921881	0.005384738	0.000351922	0.000899545	0.000356758	0.167518258	2.08572E-06	0.000299163	0.000553109	0.001706052	0.00121491
2066 Dec	0.037881263	6.01253E-06	1.972339153	14.46085262	0.051251117	0.001069793	85.37426758	0.004923377	0.005384973	0.000352072	0.00089986	0.000356876	0.167565048	2.08585E-06	0.000299267	0.000553243	0.001706376	0.001215227
2067 Jan	0.037882112	6.01266E-06	1.972516298	14.46368885	0.05125824	0.001069966	85.39110565	0.004924066	0.005385036	0.000352144	0.000900006	0.000356931	0.16758658	2.08589E-06	0.000299315	0.000553305	0.001706519	0.00121537
2067 Feb	0.037883393	6.01282E-06	1.972587824	14.46442223	0.051260576	0.001070014	85.39541626	0.004924275	0.005385173	0.000352162	0.000900046	0.000356947	0.167593628	2.08594E-06	0.000299329	0.000553328	0.001706578	0.001215418
2067 Mar	0.037886091	6.01322E-06	1.972718835	14.46537304	0.051264048	0.001070084	85.40101624	0.004924599	0.005385533	0.000352186	0.000900106	0.000356971	0.167604774	2.08608E-06	0.000299348	0.000553366	0.001706691	0.001215497
2067 Apr	0.037891615	6.01408E-06	1.973001242	14.46743965	0.051271427	0.001070237	85.41320038	0.004925302	0.005386306	0.000352237	0.000900234	0.000357022	0.16762878	2.08638E-06	0.000299391	0.000553445	0.001706935	0.001215671
2067 May	0.038074374	6.02273E-06	1.975080013	14.4769516	0.051373921	0.001070783	85.45179749	0.004928376	0.00539547	0.000353122	0.000900753	0.00035725	0.1678202	2.08806E-06	0.00029956	0.000554611	0.001708692	0.001216074
2067 Jun	0.038468756	6.02755E-06	1.972135186	14.43821239	0.051442478	0.001067495	85.13378143	0.00491528	0.005400395	0.000354012	0.000898277	0.000356286	0.167615652	2.08357E-06	0.000298706	0.000555721	0.001706853	0.001211936
2067 Jul	0.038629998	6.05345E-06	1.981906176	14.53656292	0.051740419	0.001074126	85.70483398	0.004944142	0.005421234	0.00035644	0.000903921	0.000358455	0.168560788	2.09146E-06	0.000300569	0.000558747	0.001715488	0.001218603
2067 Aug	0.038733006	6.07073E-06	1.989876866	14.63649654	0.052013248	0.001080602	86.28646851	0.004971092	0.005432975	0.000358913	0.000909362	0.000360528	0.169422045	2.09594E-06	0.000302379	0.00056125	0.001722184	0.001224558
2067 Sep	0.038774986	6.07899E-06	1.994975328	14.71207523	0.052204769	0.001085444	86.72557831	0.004990228	0.005437554	0.000360752	0.000913324	0.000362027	0.170025393	2.09757E-06	0.00030371	0.000562936	0.001726308	0.001228644
2067 Oct	0.038768161	6.07746E-06	1.996929765	14.77590179	0.052327424	0.001089346	87.09024048	0.005003124	0.00543412	0.000362287	0.00091625	0.000363098	0.170415312	2.09484E-06	0.000304738	0.000563811	0.001727645	0.001230873
2067 Nov	0.038777515	6.07879E-06	1.998574495	14.80647182	0.052397545	0.001091238	87.26935577	0.005010165	0.005434745	0.000363039	0.000917761	0.000363664	0.170635164	2.09484E-06	0.000305252	0.000564399	0.001728953	0.001232259
2067 Dec	0.038779862	6.07923E-06	1.998996139	14.81279945	0.052413557	0.001091629	87.30693817	0.00501174	0.005435018	0.000363196	0.000918091	0.000363789	0.170684472	2.09498E-06	0.000305361	0.000564541	0.001729298	0.001232594
2068 Jan	0.038780961	6.07942E-06	1.999254823	14.81695843	0.052423947	0.001091881	87.33164215	0.005012748	0.005435102	0.000363301	0.000918305	0.00036387	0.170715958	2.09504E-06	0.000305432	0.000564631	0.001729506	0.001232805
2068 Feb	0.038782131	6.07955E-06	1.999325156	14.81775951	0.052426398	0.001091932	87.33635712	0.005012967	0.005435214	0.000363321	0.000918349	0.000363887	0.17072323	2.09509E-06	0.000305446	0.000564655	0.001729563	0.001232853
2068 Mar	0.038786959	6.08028E-06	1.999563336	14.81951427	0.05243272	0.001092061	87.34667206	0.00501356	0.005435865	0.000363365	0.000918458	0.00036393	0.170743585	2.09533E-06	0.000305482	0.000564723	0.001729769	0.001232999
2068 Apr	0.038805362	6.08315E-06	2.000506163	14.82649612	0.052457485	0.001092576	87.38781738	0.005015922	0.00543843	0.000363536	0.00091889	0.000364101	0.170824111	2.09632E-06	0.000305626	0.00056499	0.001730584	0.001233579
2068 May	0.038988978	6.09071E-06	2.002659082	14.84276104	0.052576061	0.001093443	87.46120453	0.005020083	0.005446287	0.00036463	0.000919688	0.00036443	0.171049193	2.09744E-06	0.000305886	0.000566272	0.001732372	0.001234146
2068 Jun	0.039509024	6.0887E-06	1.991577387	14.74955177	0.052529115	0.001085212	86.5849762	0.004984489	0.005438752	0.000364668	0.000913124	0.000361872	0.170156643	2.08371E-06	0.00030366	0.000566368	0.001724909	0.001224754
2068 Jul	0.039639834	6.10961E-06	1.999533057	14.84984207	0.052804451	0.001091585	87.14556122	0.00501124	0.005453032	0.000367135	0.000918599	0.000363926	0.171007633	2.08851E-06	0.000305458	0.000569094	0.001732402	0.001230656
2068 Aug	0.039781224	6.13246E-06	2.00856638	14.94060993	0.05307924	0.001097753	87.67675781	0.005037876	0.005471515	0.000369376	0.000923774	0.000365931	0.171883345	2.09569E-06	0.000307179	0.000571807	0.00174008	0.001236818
2068 Sep	0.039817903	6.13958E-06	2.012770891	15.00661373	0.053241812	0.001102022	88.05680084	0.005054313	0.005475231	0.000370965	0.000927191	0.00036722	0.172401026	2.09663E-06	0.00030834	0.000573216	0.001743436	0.001240278
2068 Oct	0.039841194	6.1435E-06	2.016165733	15.06211567	0.053376142	0.001105498	88.3824234	0.005067728	0.00547755	0.000372328	0.000930021	0.000368285	0.172821999	2.09731E-06	0.000309293	0.000574382	0.001746171	0.001243044
2068 Nov	0.039851096	6.14512E-06	2.017165184	15.07529449	0.053411189	0.001106338	88.46038055	0.00507116	0.005478796	0.000372656	0.000930723	0.000368553	0.172931552	2.09782E-06	0.000309527	0.000574706	0.001747	0.00124379
2068 Dec	0.039852858	6.14541E-06	2.017342329	15.07758904	0.053417344	0.001106484	88.47398376	0.005071761	0.00547902	0.000372713	0.000930846	0.0003686	0.17295076	2.09792E-06	0.000309568	0.000574763	0.001747147	0.001243922
2069 Jan	0.039853543	6.14554E-06	2.017551661	15.08102894	0.053425848	0.001106692	88.49443054	0.00507259	0.005479064	0.000372799	0.000931023	0.000368666	0.172976524	2.09796E-06	0.000309626	0.000574837	0.001747315	0.001244095
2069 Feb	0.039854329	6.14565E-06	2.017645836	15.08239746	0.053429477	0.001106776	88.50253296	0.005072933	0.005479133	0.000372833	0.000931094	0.000368693	0.172987431	2.09799E-06	0.000309649	0.000574869	0.001747392	0.001244168
2069 Mar	0.039854791	6.1457E-06	2.017674446	15.08272743	0.053430479	0.001106797	88.50447083	0.005073022	0.005479178	0.000372842	0.000931112	0.0003687	0.172990397	2.09801E-06	0.000309655	0.000574879	0.001747415	0.001244188
2069 Apr	0.039859571	6.14643E-06	2.017913342	15.08452129	0.053436853	0.001106928	88.51499176	0.005073623	0.005479825	0.000372887	0.000931223	0.000368744	0.173010945	2.09826E-06	0.000309692	0.000574947	0.001747622	0.001244335
2069 May	0.039918065	6.15375E-06	2.020360947	15.10361004	0.053508129	0.001108286	88.6254425	0.005079812	0.005486391	0.000373417	0.000932372	0.000369198	0.173227787	2.10063E-06	0.000310073	0.000575707	0.001749726	0.001245803
2069 Jun	0.040140554	6.16068E-06	2.014402866	15.04456997	0.053407714	0.001103744	88.189888	0.00506103	0.005489395	0.000372807	0.000929041	0.000367757	0.172701746	2.09563E-06	0.000308884	0.000575537	0.001747989	0.001240498
2069 Jul	0.040276822	6.18234E-06	2.020758629	15.1137476	0.053612705	0.001108271	88.56019592	0.005080679	0.005504867	0.000374487	0.00093299	0.00036923	0.173334971	2.10057E-06	0.00031017	0.00057776	0.001754424	0.001244989
2069 Aug	0.040370952	6.19892E-06	2.027889013	15.19796181	0.053849224	0.001113855	89.047966	0.005103996	0.005516271	0.000376548	0.000937639	0.000371011	0.174085855	2.10493E-06	0.00031172	0.000579967	0.001760384	0.001250239
2069 Sep	0.040360093	6.19851E-06	2.028517723	15.2349987	0.053911392	0.001116205	89.24448395	0.005111088	0.005512872	0.000377368	0.000939271	0.000371602	0.17429328	2.10229E-06	0.000312316	0.000580318	0.001760642	0.001251436
2069 Oct	0.040350195	6.19459E-06	2.025757313	15.23940372	0.05386515	0.001116449	89.21382141	0.005107545	0.005508222	0.000377289	0.000938782	0.000371391	0.174166873	2.09723E-06	0.000312266	0.000579634	0.001758205	0.001250073
2069 Nov	0.040369879	6.19662E-06	2.026095152	15.24820042	0.053880252	0.001117046	89.25138092	0.005109101	0.005510076	0.000377464	0.000939109	0.000371519	0.174220055	2.09711E-06	0.000312403	0.000579753	0.001758518	0.00125031
2069 Dec	0.040371165	6.19685E-06	2.026338339	15.25194645	0.053889617	0.001117277	89.27363586	0.005110023	0.005510219	0.000377558	0.000939303	0.000371593	0.174248904	2.09719E-06	0.000312468	0.000579835	0.001758717	0.001250505
2070 Jan	0.040371645	6.19689E-06	2.026376486	15.25254154	0.053891215	0.001117313	89.27713776	0.005110165	0.005510245	0.000377573	0.000939333	0.000371604	0.174253553	2.0972E-06	0.000312478	0.000579849	0.001758747	0.001250534
2070 Feb	0.040372111	6.19691E-06	2.026391506	15.25273991	0.05389192	0.001117324	89.27828217	0.005110214	0.005510261	0.000377579	0.000939343	0.000371608	0.174255297	2.0972E-06	0.000312481	0.000579856	0.001758757	0.001250543
2070 Mar	0.040374033	6.19717E-06	2.026479244	15.25340176	0.053894345	0.001117372	89.28213501	0.005110433	0.0055105	0.000377596	0.000939384	0.000371624	0.174262911	2.09729E-06	0.000312494	0.000579882	0.001758832	0.001250596
2070 Apr	0.040384676	6.19875E-06	2.026999235	15.25733376	0.05390837	0.001117659	89.30509949	0.005111744	0.005511907	0.000377694	0.000939625	0.000371719	0.174307838	2.09782E-06	0.000312575	0.000580032	0.001759282	0.001250916
2070 May	0.040551383	6.20676E-06	2.028429747	15.26049805	0.053986695	0.001117776	89.29270172	0.005112933	0.005519992	0.000378326	0.000939762	0.000371803	0.174428433	2.09914E-06	0.00031262	0.000580957	0.001760544	0.001251004
2070 Jun	0.040983494	6.21509E-06	2.023844242	15.19778919	0.054001041	0.001112756	88.73765564	0.005092626	0.005526635	0.000378477	0.000935728	0.000370291	0.173995882	2.09457E-06	0.000311263	0.000581609	0.001757611	0.001245737
2070 Jul	0.041117709	6.23633E-06	2.031357288	15.27459145	0.054234214	0.001117921	89.17812347	0.005115111	0.005543104	0.000380385	0.000940152	0.000371977	0.17473118	2.10051E-06	0.000312719	0.000584012	0.001764438	0.00125091
2070 Aug	0.041227542	6.25438E-06	2.03863883	15.35492802	0.054467555	0.001123289	89.64400482	0.005137915	0.005556485	0.000382368	0.00094465	0.000373706	0.175471917	2.10558E-06	0.000314217	0.000586243	0.001770599	0.001256105
2070 Sep	0.041227359	6.25513E-06	2.039661407	15.39415836	0.054537583	0.001125854	89.86019135	0.005145868	0.005554761	0.000383253	0.000946432	0.000374356	0.175712466	2.1034E-06	0.000314868	0.000586695	0.001771183	0.001257473
2070 Oct	0.041225608	6.25363E-06	2.038780928	15.40550518	0.054534294	0.001126621	89.90707397	0.005146351	0.00555288	0.000383447	0.000946663	0.000374426	0.17572245	2.10078E-06	0.000315012	0.000586513	0.001770305	0.001257183
2070 Nov	0.041232146	6.25471E-06	2.039680004	15.42148781	0.054571491	0.00112761	89.99723053	0.005150065	0.005553436	0.000383829	0.000947453	0.000374723	0.175837994	2.10087E-06	0.000315281	0.000586829	0.001771035	0.001257948
2070 Dec	0.041232839	6.25487E-06	2.039901018	15.42509937	0.05458032	0.001127829	90.0187149	0.005150937	0.005553501	0.000383919	0.000947639	0.000374793	0.175865054	2.10092E-06	0.000315342	0.000586906	0.001771214	0.001258131
2071 Jan	0.041233249	6.25491E-06	2.039949417	15.42586994	0.054582316	0.001127876	90.02327728	0.005151123	0.005553524	0.000383939	0.000947678	0.000374808	0.17587097	2.10093E-06	0.000315355	0.000586923	0.001771253	0.00125817
2071 Feb	0.041233607	6.25492E-06	2.03995347	15.42588711	0.054582532	0.001127877	90.02334595	0.005151128	0.005553539	0.00038394	0.000947679	0.000374808	0.175871342	2.10093E-06	0.000315356	0.000586926	0.001771255	0.00125817
2071 Mar	0.04123418	6.25498E-06	2.039974451	15.42603683	0.054583151	0.001127888	90.02420044	0.005151178	0.005553599	0.000383944	0.000947688	0.000374812	0.17587316	2.10095E-06	0.000315359	0.000586932	0.001771273	0.001258182
2071 Apr	0.041238852	6.25568E-06	2.040201187	15.42774582	0.054589242	0.001128013	90.03417206	0.005151749	0.005554217	0.000383987	0.000947793	0.000374853	0.175892711	2.10119E-06	0.000315394	0.000586998	0.001771469	0.001258321
2071 May	0.041413497	6.26057E-06	2.040285826	15.41972637	0.054643963	0.001127259	89.94447327	0.005149084	0.005559494	0.000384478	0.00094721	0.000374659	0.17590028	2.10099E-06	0.000315199	0.000587682	0.00177157	0.001257429
2071 Jun	0.041871008	6.26526E-06	2.030693769	15.3058176	0.054527678	0.001118535	89.00679016	0.005112926	0.005561288	0.000383456	0.000940096	0.000371952	0.174968049	2.09273E-06	0.000312812	0.000587224	0.001765215	0.001248598
2071 Jul	0.041972693	6.28157E-06	2.034118176	15.33755684	0.054631412	0.001120671	89.1437149	0.005122566	0.005572512	0.000384162	0.000941972	0.000372653	0.175280228	2.09603E-06	0.000313419	0.000588456	0.001768991	0.001251008
2071 Aug	0.042084537	6.29979E-06	2.040611029	15.39967442	0.054825682	0.001124996	89.50138092	0.005141336	0.005586762	0.000385688	0.000945573	0.000374051	0.175901502	2.10137E-06	0.000314621	0.000590394	0.001774516	0.00125542
2071 Sep	0.042089313	6.30254E-06	2.042410851	15.44202995	0.054913335	0.001127755	89.73929596	0.005150842	0.005586166	0.000386661	0.000947621	0.000374814	0.176193133	2.10029E-06	0.000315342	0.000591024	0.001775804	0.001257245
2071 Oct	0.042084876	6.30197E-06	2.042677164	15.46074581	0.054942276	0.001128965	89.84296417	0.005154314	0.005584787	0.000387078	0.000948429	0.000375104	0.1762961	2.09889E-06	0.000315644	0.000591185	0.001775877	0.001257778
2071 Nov	0.042102225	6.30354E-06	2.043251038	15.4734745	0.054966267	0.00112984	89.91573334	0.005156914	0.005586533	0.000387376	0.000948982	0.000375314	0.176383972	2.09874E-06	0.000315858	0.000591374	0.001776332	0.001258167
2071 Dec	0.042104326	6.30381E-06	2.04346323	15.47697449	0.054974515	0.00113006	89.93641663	0.005157739	0.005586758	0.000387462	0.000949156	0.000375379	0.176410243	2.09879E-06	0.000315918	0.000591445	0.001776505	0.001258331
2072 Jan	0.04210503	6.30386E-06	2.043479919	15.47711086	0.054975107	0.00113007	89.93716431	0.005157778	0.005586811	0.000387466	0.000949163	0.000375382	0.176411837	2.0988E-06	0.00031592	0.000591451	0.001776518	0.001258338
2072 Feb	0.042105731	6.3039E-06	2.043491602	15.47717571	0.054975595	0.001130074	89.93749237	0.005157799	0.005586851	0.000387469	0.000949167	0.000375384	0.176412895	2.09881E-06	0.000315921	0.000591456	0.001776526	0.001258343
2072 Mar	0.042106468	6.30397E-06	2.043515682	15.47734451	0.054976333	0.001130086	89.93844604	0.005157855	0.00558692	0.000387473	0.000949177	0.000375388	0.176414981	2.09884E-06	0.000315925	0.000591464	0.001776546	0.001258356
2072 Apr	0.042114768	6.30519E-06	2.043911695	15.48033714	0.054987039	0.001130304	89.95581818	0.005158853	0.005588005	0.000387549	0.00094936	0.00037546	0.176449195	2.09924E-06	0.000315986	0.000591579	0.00177689	0.001258599
2072 May	0.042156748	6.31144E-06	2.045938969	15.49571514	0.055041738	0.001131426	90.04514313	0.005163972	0.005593542	0.000387935	0.000950302	0.000375833	0.176624388	2.10132E-06	0.000316299	0.000592167	0.001778652	0.001259847
2072 Jun	0.042249985	6.32066E-06	2.041389704	15.4455061	0.054906197	0.001127864	89.68297577	0.005149457	0.005598407	0.000386766	0.000947674	0.00037468	0.176157042	2.09932E-06	0.000315357	0.000591579	0.001778075	0.001256138
2072 Jul	0.042357609	6.337E-06	2.045199156	15.48856163	0.055031579	0.001130664	89.90251923	0.005161549	0.005609395	0.000387815	0.000950121	0.00037558	0.176545665	2.10228E-06	0.000316156	0.000592957	0.00178225	0.00125884
2072 Aug	0.042400252	6.34667E-06	2.047065735	15.52000713	0.055102009	0.001132886	90.05290222	0.00516918	0.005612866	0.000388467	0.000951634	0.000376171	0.176790312	2.10251E-06	0.000316709	0.000593421	0.001783797	0.001260389
2072 Sep	0.042415466	6.35076E-06	2.047137022	15.53364277	0.055117439	0.001133886	90.09815979	0.00517136	0.00561327	0.000388669	0.000952097	0.000376355	0.176857278	2.10134E-06	0.000316919	0.000593397	0.00178381	0.001260691
2072 Oct	0.042409148	6.34919E-06	2.044451475	15.52716923	0.055058293	0.001133375	89.98068237	0.005166075	0.005609925	0.000388258	0.000951156	0.000375992	0.176670492	2.09764E-06	0.000316689	0.000592679	0.001781606	0.001259373
2072 Nov	0.042416088	6.35024E-06	2.045109272	15.54237175	0.055089749	0.001134296	90.05754089	0.005169237	0.005610302	0.000388596	0.000951844	0.000376251	0.176766858	2.09745E-06	0.000316931	0.00059293	0.001782152	0.001260013
2072 Dec	0.042416889	6.35047E-06	2.045508385	15.54905128	0.055105958	0.0011347	90.09732056	0.00517084	0.005610361	0.000388762	0.000952186	0.00037638	0.176816374	2.09752E-06	0.000317044	0.000593069	0.001782474	0.001260349
2073 Jan	0.042417407	6.35053E-06	2.04560256	15.55057335	0.055109799	0.001134792	90.10635376	0.005171206	0.005610392	0.0003888	0.000952264	0.000376409	0.176827908	2.09754E-06	0.000317069	0.000593102	0.001782549	0.001260426
2073 Feb	0.042418003	6.35057E-06	2.045616865	15.55067253	0.055110313	0.001134799	90.10688782	0.005171238	0.005610435	0.000388804	0.000952269	0.000376411	0.176829204	2.09755E-06	0.000317071	0.000593108	0.00178256	0.001260433
2073 Mar	0.042419266	6.35074E-06	2.045669794	15.55106354	0.055111792	0.001134827	90.10913849	0.005171368	0.005610583	0.000388814	0.000952293	0.000376421	0.176833764	2.09761E-06	0.000317079	0.000593124	0.001782606	0.001260464
2073 Apr	0.042437628	6.35347E-06	2.046555996	15.55784988	0.055135787	0.001135321	90.14846802	0.005173616	0.005612999	0.000388984	0.000952708	0.000376585	0.176910624	2.09851E-06	0.000317217	0.000593381	0.001783377	0.001261011
2073 May	0.042685799	6.36313E-06	2.052525043	15.64344788	0.055444844	0.00114011	90.60668182	0.005193189	0.005621221	0.000392067	0.000956865	0.000378181	0.177638769	2.0995E-06	0.000318582	0.000596336	0.001788249	0.001264654
2073 Jun	0.043153398	6.37329E-06	2.052881479	15.67133522	0.055686537	0.001140318	90.57609558	0.005193475	0.00562755	0.000394626	0.000957324	0.00037835	0.177852094	2.09505E-06	0.000318699	0.000598966	0.001789443	0.001263553
2073 Jul	0.043259159	6.39077E-06	2.057443619	15.71439552	0.05582517	0.001143282	90.7850647	0.005206634	0.005639586	0.000395611	0.000959842	0.000379316	0.178279966	2.09902E-06	0.000319531	0.000600437	0.001793736	0.001266848
2073 Aug	0.043365736	6.408E-06	2.063913345	15.78268623	0.056028862	0.001147907	91.1778717	0.005226421	0.005652428	0.000397298	0.00096371	0.000380807	0.178926885	2.10377E-06	0.000320821	0.000602411	0.001799235	0.001271411
2073 Sep	0.043379281	6.4123E-06	2.066888094	15.83572674	0.056152526	0.001151319	91.48204803	0.005239248	0.005653374	0.000398553	0.000966415	0.000381821	0.179323927	2.10375E-06	0.000321742	0.000603422	0.001801525	0.00127409

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.043361887	6.40976E-06	2.067472458	15.87398911	0.056211859	0.001153699	91.70113373	0.005246239	0.005649946	0.000399426	0.000968061	0.000382415	0.179529563	2.10108E-06	0.000322346	0.000603752	0.001801736	0.001275157
2073 Nov	0.043363422	6.41006E-06	2.068268299	15.89188576	0.056249358	0.001154813	91.80571747	0.005250163	0.005649834	0.000399855	0.000968919	0.000382734	0.179650411	2.10078E-06	0.000322643	0.000604045	0.001802335	0.001275902
2073 Dec	0.043365389	6.41047E-06	2.06874609	15.89938068	0.05626801	0.001155271	91.85028839	0.005252	0.005650045	0.000400042	0.000969307	0.00038288	0.179707631	2.10091E-06	0.000322772	0.000604209	0.001802724	0.001276293
2074 Jan	0.043366015	6.41062E-06	2.069048405	15.90447712	0.05628046	0.001155577	91.88063812	0.00525322	0.005650069	0.00040017	0.000969568	0.000382978	0.179745346	2.10096E-06	0.000322857	0.000604316	0.001802966	0.001276549
2074 Feb	0.043366503	6.41068E-06	2.069166899	15.90643406	0.056285381	0.001155695	91.89227295	0.005253689	0.005650085	0.000400219	0.000969668	0.000383015	0.179760024	2.10098E-06	0.00032289	0.000604358	0.00180306	0.001276647
2074 Mar	0.043368272	6.41092E-06	2.069244862	15.90704536	0.056287598	0.001155739	91.8957901	0.005253888	0.005650296	0.000400235	0.000969704	0.00038303	0.179766908	2.10106E-06	0.000322903	0.000604382	0.001803127	0.001276695
2074 Apr	0.043383796	6.4132E-06	2.069981098	15.91269875	0.056307659	0.001156149	91.92842865	0.005255754	0.005652307	0.000400377	0.000970049	0.000383166	0.179830849	2.10181E-06	0.000323017	0.000604597	0.001803768	0.001277148
2074 May	0.043731574	6.42499E-06	2.076169014	15.99945831	0.056662031	0.001160808	92.36808014	0.005274916	0.005662757	0.00040391	0.000974135	0.000384748	0.180597797	2.1024E-06	0.000324356	0.00060805	0.001808805	0.001280491
2074 Jun	0.044249292	6.42754E-06	2.072133541	15.98992538	0.056836672	0.001158066	92.03388977	0.005262325	0.005660299	0.000405954	0.000972131	0.000383982	0.180434614	2.09289E-06	0.000323655	0.000609988	0.001806117	0.001276426
2074 Jul	0.044395179	6.4501E-06	2.078964233	16.05328941	0.057041489	0.001162422	92.37570953	0.005281621	0.005677638	0.000407501	0.000975842	0.000385409	0.181073099	2.09891E-06	0.00032488	0.000612163	0.001812409	0.001281054
2074 Aug	0.044542525	6.47313E-06	2.088236094	16.14873695	0.057331149	0.001168852	92.92970276	0.00530931	0.005696009	0.000409884	0.000981253	0.0003875	0.181983441	2.10598E-06	0.000326676	0.000615026	0.001820292	0.001287466
2074 Sep	0.04454663	6.47721E-06	2.093960285	16.2573185	0.057578661	0.001175597	93.56420898	0.005334781	0.005695411	0.000412497	0.000986718	0.000389541	0.1827638	2.10555E-06	0.000328519	0.000617041	0.00182471	0.001292711
2074 Oct	0.044548009	6.47893E-06	2.099034071	16.35908699	0.057804149	0.001181834	94.16436005	0.005357937	0.005694537	0.000414967	0.000991742	0.000391414	0.183473721	2.10483E-06	0.00033022	0.000618871	0.001828633	0.001297338
2074 Nov	0.0445523	6.48151E-06	2.104853392	16.45999146	0.058045238	0.001187916	94.76500702	0.005381935	0.005694471	0.00041747	0.000996887	0.000393343	0.184211448	2.10554E-06	0.00033192	0.00062092	0.001833286	0.001302363
2074 Dec	0.044553924	6.48208E-06	2.105907917	16.47764969	0.058088101	0.001188982	94.870224	0.005386178	0.005694582	0.00041791	0.000997793	0.000393683	0.184342295	2.10573E-06	0.000332219	0.000621288	0.001834135	0.001303258
2075 Jan	0.044554528	6.48219E-06	2.106107473	16.48095703	0.058096256	0.001189181	94.88990021	0.005386973	0.005694616	0.000417993	0.000997962	0.000393747	0.184366971	2.10577E-06	0.000332275	0.000621358	0.001834295	0.001303425
2075 Feb	0.044555381	6.4823E-06	2.106211424	16.48248863	0.058100317	0.001189275	94.89898682	0.005387354	0.005694684	0.000418032	0.000998042	0.000393777	0.184379101	2.1058E-06	0.000332301	0.000621395	0.001834379	0.001303507
2075 Mar	0.044558521	6.48274E-06	2.106377363	16.48402405	0.058105312	0.00118938	94.90789795	0.005387816	0.005695064	0.000418071	0.000998131	0.000393812	0.184394658	2.10595E-06	0.00033233	0.000621446	0.001834521	0.001303615
2075 Apr	0.044572826	6.48483E-06	2.107103586	16.49021912	0.05812614	0.001189815	94.9437561	0.005389757	0.005696876	0.000418228	0.000998497	0.000393955	0.184460357	2.10662E-06	0.000332452	0.000621664	0.001835149	0.001304077
2075 May	0.044671465	6.4931E-06	2.113842964	16.58690834	0.058400232	0.001195682	95.51153564	0.005413721	0.005702886	0.000420919	0.001003514	0.000395859	0.185245901	2.10889E-06	0.000334104	0.000624176	0.001840652	0.001309082
2075 Jun	0.044711284	6.49576E-06	2.10456562	16.49607277	0.058126707	0.00118921	94.88694763	0.005386557	0.005700202	0.000418657	0.000998575	0.000393749	0.184341386	2.10304E-06	0.000332368	0.000622402	0.001837153	0.001302336
2075 Jul	0.044818759	6.51187E-06	2.105354309	16.50004387	0.058148302	0.001189437	94.84207916	0.005388148	0.005710363	0.000418674	0.000998932	0.000393824	0.184389785	2.10477E-06	0.000332455	0.000623018	0.001839629	0.001302786
2075 Aug	0.044911597	6.52732E-06	2.111203432	16.56412697	0.058336429	0.001193766	95.20887756	0.005406493	0.005721327	0.000420251	0.001002538	0.00039521	0.18498686	2.10878E-06	0.000333659	0.000624817	0.001844572	0.001307004
2075 Sep	0.044954322	6.53536E-06	2.115410328	16.62055016	0.058486339	0.001197444	95.53561401	0.005421376	0.005726378	0.000421622	0.00100557	0.000396362	0.185459912	2.11066E-06	0.000334674	0.000626183	0.001848007	0.001310307
2075 Oct	0.044959996	6.53662E-06	2.116966486	16.65381241	0.058556773	0.001199559	95.72877502	0.00542884	0.005726638	0.000422408	0.001007183	0.000396962	0.185690597	2.1102E-06	0.000335236	0.00062674	0.00184917	0.00131176
2075 Nov	0.044970628	6.53841E-06	2.118488073	16.67742538	0.058615077	0.001201034	95.86834717	0.005434629	0.005727826	0.000422991	0.001008398	0.000397421	0.185872793	2.11064E-06	0.000335643	0.000627253	0.001850408	0.001312979
2075 Dec	0.044972379	6.53876E-06	2.118868113	16.6833992	0.058629889	0.0012014	95.903862	0.00543609	0.005728016	0.00042314	0.001008706	0.000397537	0.185918376	2.11075E-06	0.000335745	0.000627383	0.001850717	0.001313289
2076 Jan	0.044973075	6.53883E-06	2.118933439	16.68437576	0.058632489	0.00120146	95.90961456	0.00543633	0.005728067	0.000423165	0.001008756	0.000397556	0.185926095	2.11077E-06	0.000335762	0.000627406	0.001850769	0.001313339
2076 Feb	0.044974577	6.53899E-06	2.118985176	16.68475723	0.058634065	0.001201487	95.91178131	0.005436454	0.005728213	0.000423176	0.001008779	0.000397565	0.185930654	2.11082E-06	0.00033577	0.000627423	0.001850812	0.001313369
2076 Mar	0.044977654	6.5394E-06	2.119119883	16.68580627	0.058637869	0.001201563	95.91777802	0.005436796	0.005728581	0.000423203	0.001008842	0.00039759	0.185942486	2.11095E-06	0.000335791	0.000627464	0.001850929	0.001313451
2076 Apr	0.044986118	6.54061E-06	2.119513273	16.68889618	0.058648799	0.001201785	95.93552399	0.005437803	0.005729645	0.000423281	0.001009029	0.000397664	0.185976997	2.11134E-06	0.000335853	0.000627581	0.001851272	0.001313693
2076 May	0.045164309	6.54835E-06	2.121172428	16.69372749	0.058738068	0.00120202	95.94676208	0.00543955	0.00573812	0.000424055	0.001009285	0.000397791	0.186126053	2.11273E-06	0.000335935	0.000628618	0.001852675	0.001313791
2076 Jun	0.045631241	6.54818E-06	2.111438751	16.56797791	0.058617897	0.001192771	95.03006744	0.005401866	0.005739014	0.000423149	0.001001827	0.000394944	0.185187519	2.10431E-06	0.000333424	0.000628144	0.001845688	0.001304178
2076 Jul	0.045731936	6.56434E-06	2.1144135	16.59272957	0.058705375	0.001194495	95.11798096	0.005409817	0.005749792	0.000423665	0.001003322	0.000395509	0.185446739	2.10741E-06	0.000333912	0.000629196	0.001848958	0.001306306
2076 Aug	0.045860179	6.58443E-06	2.121810675	16.66741562	0.058934327	0.001199597	95.54698181	0.005431739	0.005765356	0.000425524	0.001007577	0.000397156	0.186170712	2.11314E-06	0.000335331	0.000631457	0.001855272	0.001311393
2076 Sep	0.04590492	6.59279E-06	2.12647891	16.73161125	0.059102818	0.001203748	95.92008972	0.00544846	0.005770601	0.00042709	0.001011002	0.000398455	0.186701149	2.1151E-06	0.000336477	0.000632982	0.001859082	0.001315077
2076 Oct	0.04587961	6.58996E-06	2.126946688	16.76434517	0.059152286	0.001205775	96.10934448	0.00545452	0.005766858	0.00042782	0.001012431	0.00039897	0.186874852	2.11275E-06	0.000336996	0.00063324	0.001859199	0.001316061
2076 Nov	0.045880638	6.59056E-06	2.128384829	16.79209709	0.059214626	0.001207476	96.27349091	0.005460899	0.00576677	0.000428495	0.001013809	0.000399485	0.187070847	2.11266E-06	0.000337461	0.000633751	0.001860318	0.001317351
2076 Dec	0.045882303	6.59097E-06	2.128974199	16.80165482	0.059238099	0.001208056	96.33039856	0.005463218	0.005766933	0.000428733	0.001014301	0.00039967	0.18714273	2.11279E-06	0.000337623	0.000633955	0.001860795	0.001317844
2077 Jan	0.045882799	6.59104E-06	2.129083872	16.80344772	0.059242584	0.001208164	96.34104919	0.00546365	0.005766962	0.000428778	0.001014393	0.000399705	0.187156215	2.11281E-06	0.000337654	0.000633994	0.001860883	0.001317935
2077 Feb	0.045883507	6.5911E-06	2.129103184	16.80358315	0.059243228	0.001208174	96.3418045	0.005463693	0.005767018	0.000428783	0.001014401	0.000399708	0.187157929	2.11283E-06	0.000337656	0.000634001	0.001860898	0.001317945
2077 Mar	0.045884758	6.59126E-06	2.129154444	16.8039856	0.059244726	0.001208203	96.34409332	0.005463823	0.005767158	0.000428793	0.001014425	0.000399717	0.187162474	2.11288E-06	0.000337664	0.000634017	0.001860942	0.001317976
2077 Apr	0.045895174	6.59274E-06	2.129633427	16.80776024	0.059258088	0.001208474	96.36572266	0.00546505	0.005768456	0.00042889	0.001014653	0.000399807	0.187204584	2.11336E-06	0.00033774	0.000634159	0.00186136	0.001318272
2077 May	0.046043236	6.59864E-06	2.131135941	16.81694031	0.059345026	0.001208936	96.40200806	0.005467481	0.005774665	0.000429682	0.001015099	0.000399998	0.187358201	2.11418E-06	0.000337885	0.000635118	0.001862597	0.001318542
2077 Jun	0.046427041	6.59791E-06	2.12409687	16.74358749	0.059314366	0.001202933	95.80107117	0.005442516	0.00577267	0.000429698	0.001010371	0.000398166	0.186761841	2.10614E-06	0.000336274	0.000635295	0.001857769	0.00131188
2077 Jul	0.046587437	6.6215E-06	2.131772518	16.81791687	0.059549328	0.001207963	96.2232666	0.005464604	0.005791603	0.000431587	0.001014693	0.000399812	0.187495142	2.11266E-06	0.000337694	0.000637806	0.00186497	0.00131696
2077 Aug	0.046719961	6.6422E-06	2.139210701	16.89094162	0.05977739	0.001212994	96.64112091	0.005486331	0.005807697	0.000433406	0.001018888	0.000401438	0.188215479	2.11857E-06	0.000339092	0.000640079	0.001871322	0.001322041
2077 Sep	0.046674825	6.63893E-06	2.138992786	16.92263222	0.059810657	0.00121503	96.81865692	0.005491589	0.0058014	0.000434042	0.001020178	0.000401897	0.188355923	2.115E-06	0.000339584	0.000640057	0.001870748	0.001322755
2077 Oct	0.046683416	6.64076E-06	2.141428232	16.97152519	0.059916332	0.001218109	97.10556793	0.005502671	0.005802073	0.000435207	0.001022565	0.000402789	0.18869926	2.11464E-06	0.000340409	0.000640909	0.001872616	0.00132494
2077 Nov	0.046691936	6.64231E-06	2.142762661	16.9913063	0.059966709	0.001219335	97.22272491	0.005507619	0.005803047	0.0004357	0.001023599	0.000403181	0.18885465	2.11512E-06	0.000340752	0.000641358	0.001873708	0.001326008
2077 Dec	0.046693545	6.64261E-06	2.143050909	16.99566078	0.059977714	0.001219604	97.24858093	0.005508699	0.005803229	0.000435808	0.001023826	0.000403266	0.18888849	2.11521E-06	0.000340827	0.000641456	0.001873944	0.00132624
2078 Jan	0.046694312	6.64271E-06	2.143134594	16.99687004	0.05998091	0.001219678	97.25572968	0.005509001	0.005803299	0.000435839	0.001023889	0.00040329	0.188898131	2.11524E-06	0.000340847	0.000641485	0.001874012	0.001326305
2078 Feb	0.046695042	6.64278E-06	2.143159151	16.99707222	0.059981722	0.001219692	97.25687408	0.005509063	0.005803362	0.000435845	0.001023901	0.000403295	0.188900411	2.11527E-06	0.000340851	0.000641493	0.001874032	0.001326319
2078 Mar	0.046696022	6.6429E-06	2.143197536	16.99736977	0.059982847	0.001219713	97.25855255	0.005509159	0.005803468	0.000435853	0.001023918	0.000403302	0.188903794	2.1153E-06	0.000340857	0.000641505	0.001874065	0.001326342
2078 Apr	0.046715312	6.64563E-06	2.144082308	17.0044117	0.060007684	0.001220218	97.29885101	0.005511438	0.005805857	0.000436034	0.001024342	0.000403468	0.188981906	2.11617E-06	0.000340998	0.00064177	0.001874838	0.00132689
2078 May	0.047099467	6.65496E-06	2.147236109	17.04264832	0.060262926	0.00122181	97.44703674	0.0055183	0.005815832	0.000438607	0.001025848	0.000404084	0.189395547	2.11562E-06	0.000341484	0.000644397	0.001877352	0.001327451
2078 Jun	0.047485605	6.65591E-06	2.140635967	16.96939468	0.060239382	0.001215856	96.80407715	0.005493591	0.005814546	0.00043848	0.001021018	0.000402271	0.188805982	2.10831E-06	0.000339865	0.000644529	0.001872329	0.001321316
2078 Jul	0.047650136	6.68001E-06	2.14862752	17.04387474	0.060480438	0.001220979	97.22444153	0.005516145	0.005833931	0.000440366	0.001025353	0.000403947	0.189559579	2.11519E-06	0.000341302	0.000647026	0.001879426	0.001326621
2078 Aug	0.047744326	6.69567E-06	2.155054808	17.12179375	0.060698301	0.00122611	97.67193604	0.005537534	0.005844319	0.000442293	0.001029634	0.000405582	0.19024758	2.11894E-06	0.000342731	0.000649041	0.001884835	0.00133144
2078 Sep	0.047790118	6.70516E-06	2.161279678	17.21305084	0.060930453	0.001231904	98.20597839	0.005560657	0.005849517	0.000444525	0.001034425	0.000407397	0.190975606	2.12111E-06	0.000344331	0.000651082	0.001889893	0.001336455
2078 Oct	0.047784492	6.70669E-06	2.165620565	17.29603386	0.061118692	0.001236981	98.69626617	0.005579995	0.005848425	0.000446532	0.001038598	0.000408954	0.191564873	2.12082E-06	0.000345729	0.000652627	0.001893248	0.00134047
2078 Nov	0.047790006	6.7079E-06	2.166990042	17.3190937	0.06117361	0.001238409	98.83261108	0.005585529	0.005848999	0.000447097	0.001039772	0.000409395	0.191736847	2.12104E-06	0.000346123	0.000653097	0.001894343	0.00134163
2078 Dec	0.047791176	6.70815E-06	2.167277575	17.32363129	0.061184861	0.001238687	98.85959625	0.005586638	0.005849124	0.00044721	0.001040007	0.000409484	0.191771388	2.12112E-06	0.0003462	0.000653195	0.001894576	0.001341867
2079 Jan	0.047791474	6.70826E-06	2.167551756	17.32832527	0.061196223	0.001238968	98.88760376	0.005587757	0.005849121	0.000447327	0.001040247	0.000409574	0.191805869	2.12116E-06	0.000346279	0.000653292	0.001894795	0.001342103
2079 Feb	0.047791809	6.70829E-06	2.167610168	17.3292942	0.061198704	0.001239026	98.89334869	0.005587988	0.005849129	0.000447351	0.001040296	0.000409592	0.191813156	2.12117E-06	0.000346296	0.000653314	0.001894841	0.001342151
2079 Mar	0.047793943	6.70858E-06	2.167729616	17.33051109	0.061202511	0.001239107	98.90041351	0.005588337	0.005849373	0.000447383	0.001040364	0.000409619	0.191824824	2.12126E-06	0.000346318	0.000653352	0.001894943	0.001342231
2079 Apr	0.047805242	6.71016E-06	2.168257475	17.33490181	0.061217695	0.001239417	98.92555237	0.005589726	0.005850745	0.000447496	0.001040625	0.000409721	0.191872269	2.12176E-06	0.000346405	0.000653512	0.001895402	0.001342562
2079 May	0.047868676	6.71691E-06	2.170393467	17.35156822	0.061284345	0.001240581	99.01885986	0.005595024	0.00585681	0.000448007	0.001041611	0.000410111	0.1920643	2.12376E-06	0.000346732	0.000654228	0.001897257	0.001343787
2079 Jun	0.048068013	6.7147E-06	2.159621239	17.24128914	0.061049826	0.001232443	98.25241089	0.005561057	0.005852012	0.000446254	0.001035303	0.000407528	0.191058427	2.11512E-06	0.000344547	0.000652797	0.001891623	0.001335039
2079 Jul	0.048151981	6.72835E-06	2.161137342	17.26055336	0.061105259	0.001233609	98.30644226	0.005566261	0.005859691	0.000446642	0.00103642	0.0004079	0.191214114	2.11648E-06	0.000344893	0.000653591	0.001894252	0.001336305
2079 Aug	0.048282146	6.74818E-06	2.168922424	17.34532166	0.061356202	0.001239259	98.79489899	0.005590289	0.005874748	0.000448772	0.001041156	0.000409722	0.192001238	2.122E-06	0.00034647	0.000656019	0.0019009	0.001341792
2079 Sep	0.048279952	6.75039E-06	2.171186209	17.39570618	0.061459839	0.001242521	99.08518219	0.005601746	0.005874197	0.000449918	0.001043622	0.000410639	0.192349821	2.12103E-06	0.000347331	0.000656793	0.001902515	0.001344088
2079 Oct	0.048272267	6.75018E-06	2.172635555	17.43459702	0.061533641	0.001244972	99.31303406	0.005610001	0.005873059	0.000450813	0.001045448	0.000411314	0.192599148	2.11988E-06	0.000347975	0.000657324	0.001903513	0.001345637
2079 Nov	0.048274543	6.75036E-06	2.172883034	17.44480705	0.061548665	0.001245648	99.37083435	0.00561188	0.005873243	0.000451032	0.001045872	0.000411471	0.19265759	2.11939E-06	0.000348139	0.000657411	0.001903663	0.001345917
2079 Dec	0.048277762	6.7505E-06	2.173031092	17.45205307	0.061558355	0.001246121	99.41086578	0.005613099	0.005873536	0.000451185	0.001046151	0.000411576	0.192696124	2.11903E-06	0.000348251	0.000657463	0.001903759	0.001346073
2080 Jan	0.04827844	6.75054E-06	2.173080683	17.45285034	0.061560497	0.001246169	99.41551208	0.005613287	0.005873567	0.000451206	0.001046191	0.000411591	0.192702249	2.11904E-06	0.000348265	0.000657482	0.001903797	0.001346112
2080 Feb	0.048279461	6.7506E-06	2.173105717	17.45308304	0.061561521	0.001246184	99.41678619	0.00561335	0.005873625	0.000451213	0.001046203	0.000411596	0.192704782	2.11906E-06	0.000348269	0.000657492	0.001903816	0.001346125
2080 Mar	0.048280131	6.75064E-06	2.173121452	17.45319748	0.061562102	0.001246191	99.41740417	0.005613386	0.005873671	0.000451217	0.00104621	0.000411598	0.192706242	2.11907E-06	0.000348271	0.000657498	0.001903828	0.001346132
2080 Apr	0.048288155	6.75174E-06	2.17347455	17.45602036	0.061572172	0.001246393	99.43345642	0.005614294	0.005874628	0.00045129	0.001046379	0.000411665	0.192737535	2.11941E-06	0.000348327	0.000657605	0.001904136	0.00134635
2080 May	0.048340574	6.75876E-06	2.175756454	17.47463226	0.061638385	0.001247711	99.53926849	0.00562022	0.005880726	0.000451784	0.001047487	0.0004121	0.192941964	2.12159E-06	0.000348696	0.00065831	0.001906129	0.001347761
2080 Jun	0.048402436	6.76556E-06	2.168983459	17.39971161	0.061425433	0.001242481	99.00192261	0.005598663	0.005882645	0.000449848	0.001043441	0.000410407	0.192231894	2.11839E-06	0.000347284	0.000656998	0.001903889	0.001342676
2080 Jul	0.048490081	6.77918E-06	2.16877079	17.39599609	0.06141847	0.001242178	98.90930176	0.005597814	0.005890093	0.000449649	0.001043323	0.000410301	0.192194626	2.11909E-06	0.000347221	0.000657258	0.001905379	0.001342582
2080 Aug	0.048581053	6.79383E-06	2.173830986	17.45234108	0.061582223	0.001245994	99.22882843	0.005613848	0.005900162	0.000451041	0.001046472	0.000411511	0.192717642	2.1225E-06	0.000348278	0.000658798	0.001909693	0.001346235

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.048588969	6.79776E-06	2.175897121	17.491539	0.061667349	0.001248593	99.45300293	0.005623157	0.00590087	0.000451929	0.001048424	0.000412248	0.193006203	2.12226E-06	0.00034896	0.000659429	0.001911234	0.001348131
2080 Oct	0.048583958	6.7981E-06	2.177767038	17.53673553	0.061757281	0.001251429	99.71611023	0.005632972	0.00590001	0.000452975	0.001050576	0.000413047	0.193303987	2.12126E-06	0.000349712	0.000660103	0.001912575	0.001350038
2080 Nov	0.048591521	6.79909E-06	2.178478003	17.55780029	0.061794251	0.00125274	99.82554626	0.005637014	0.00590054	0.000453425	0.001051471	0.000413384	0.193427458	2.12068E-06	0.000350042	0.000660364	0.00191313	0.001350782
2080 Dec	0.048593532	6.79949E-06	2.179020643	17.56725121	0.061816376	0.001253316	99.88098145	0.005639226	0.005900731	0.000453656	0.001051944	0.000413562	0.193496048	2.12076E-06	0.000350201	0.000660552	0.001913568	0.001351243
2081 Jan	0.048594382	6.79957E-06	2.179080486	17.56807899	0.061818682	0.001253367	99.88584137	0.005639434	0.005900797	0.000453677	0.001051987	0.000413578	0.193502858	2.12079E-06	0.000350215	0.000660573	0.001913616	0.001351287
2081 Feb	0.048595108	6.79961E-06	2.179092884	17.56815529	0.061819207	0.001253372	99.88622284	0.005639458	0.005900839	0.00045368	0.001051991	0.00041358	0.193504006	2.1208E-06	0.000350216	0.000660578	0.001913625	0.001351292
2081 Mar	0.048596408	6.79976E-06	2.179140568	17.56852341	0.061820641	0.001253398	99.88829041	0.005639575	0.005900971	0.00045369	0.001052013	0.000413589	0.193508223	2.12084E-06	0.000350224	0.000660594	0.001913666	0.00135132
2081 Apr	0.048608985	6.80146E-06	2.179698706	17.57313538	0.061836857	0.001253724	99.91451263	0.005641035	0.005902446	0.00045381	0.001052286	0.000413696	0.19355841	2.12137E-06	0.000350315	0.000660765	0.001914152	0.001351667
2081 May	0.048917882	6.81072E-06	2.179821968	17.55198288	0.061917018	0.001252044	99.72677612	0.005635114	0.005913377	0.000454478	0.00105095	0.000413245	0.193537638	2.12174E-06	0.000349871	0.000661854	0.00191433	0.00134985
2081 Jun	0.04922289	6.81391E-06	2.173946142	17.47167015	0.061844446	0.001246161	99.09399414	0.005611306	0.005915278	0.000453727	0.001046126	0.000411439	0.192938507	2.11707E-06	0.00034826	0.000661555	0.001909962	0.001344222
2081 Jul	0.049403325	6.83979E-06	2.182103634	17.54280853	0.062085178	0.001251122	99.48743439	0.005633394	0.005936508	0.000455533	0.001050316	0.00041307	0.193684936	2.12454E-06	0.000349649	0.00066411	0.00191726	0.001349509
2081 Aug	0.049566906	6.86392E-06	2.190751314	17.62564278	0.062349796	0.001256808	99.96065521	0.005658148	0.00595596	0.000457633	0.001055086	0.00041492	0.194511473	2.13165E-06	0.000351236	0.000666792	0.001924711	0.001355313
2081 Sep	0.049600501	6.87154E-06	2.195364237	17.69417	0.062522531	0.001261214	100.3588638	0.005675571	0.005959782	0.000459286	0.001058688	0.000416284	0.195058852	2.13309E-06	0.000352446	0.000668297	0.001928417	0.001359119
2081 Oct	0.04960845	6.87435E-06	2.198836327	17.75451088	0.062664479	0.001264964	100.7144623	0.005690041	0.00596056	0.000460747	0.001061766	0.000417438	0.195505098	2.13341E-06	0.000353478	0.000669497	0.001931144	0.001362187
2081 Nov	0.049595244	6.87333E-06	2.199958086	17.78446198	0.062722541	0.001266792	100.8922501	0.005696418	0.005958882	0.000461447	0.001063189	0.000417963	0.195694864	2.13255E-06	0.000353968	0.000669915	0.001931922	0.001363417
2081 Dec	0.049596783	6.87356E-06	2.200243711	17.78979492	0.062734276	0.001267126	100.9239426	0.005697634	0.005959055	0.000461576	0.00106345	0.000418061	0.195732951	2.13256E-06	0.000354058	0.000670012	0.001932147	0.001363657
2082 Jan	0.049597427	6.87361E-06	2.20031333	17.79090691	0.062737167	0.001267194	100.9305267	0.0056979	0.005959088	0.000461605	0.001063506	0.000418082	0.19574149	2.13257E-06	0.000354077	0.000670037	0.001932202	0.001363712
2082 Feb	0.04959853	6.8737E-06	2.200345993	17.79120064	0.062738381	0.001267213	100.9321747	0.005697985	0.005959166	0.000461613	0.001063522	0.000418088	0.195744663	2.1326E-06	0.000354082	0.00067005	0.001932227	0.001363731
2082 Mar	0.04960065	6.87395E-06	2.200428009	17.79184914	0.062740818	0.001267259	100.9358139	0.005698191	0.005959391	0.000461631	0.00106356	0.000418103	0.19575198	2.13268E-06	0.000354095	0.000670075	0.001932298	0.00136378
2082 Apr	0.049610116	6.87524E-06	2.200840473	17.79517555	0.062752649	0.001267495	100.9546738	0.005699257	0.005960512	0.000461718	0.001063759	0.000418181	0.195788696	2.13308E-06	0.000354161	0.000670202	0.00193266	0.001364034
2082 May	0.049655411	6.88149E-06	2.202844143	17.81142998	0.062810034	0.001268652	101.0468216	0.005704456	0.005965916	0.000462141	0.00106473	0.000418563	0.195967361	2.13501E-06	0.000354484	0.000670814	0.001934417	0.001365278
2082 Jun	0.0496419	6.88132E-06	2.198941469	17.82915497	0.062773034	0.001268564	101.1003036	0.005702346	0.005958264	0.000462547	0.001065342	0.00041849	0.195806846	2.12862E-06	0.000354555	0.000671015	0.00193544	0.001363625
2082 Jul	0.04970469	6.89183E-06	2.196069717	17.80479431	0.062692396	0.001266684	100.8702393	0.005694623	0.005961914	0.000461796	0.001064038	0.000417869	0.195528746	2.12711E-06	0.000354069	0.000670732	0.001935663	0.001361811
2082 Aug	0.049831174	6.91114E-06	2.202635765	17.86930084	0.062894315	0.001271143	101.2360764	0.005713782	0.005976721	0.000463411	0.001067732	0.0004193	0.196166575	2.13233E-06	0.000355304	0.000672741	0.001941317	0.001366273
2082 Sep	0.049877036	6.91914E-06	2.20563221	17.90538216	0.062994093	0.001273625	101.4406052	0.005723734	0.005982161	0.000464273	0.001069703	0.000420056	0.196490049	2.134E-06	0.000355977	0.00067367	0.001943784	0.001368519
2082 Oct	0.049810972	6.91132E-06	2.203851223	17.91514206	0.062969051	0.001274218	101.4970169	0.005723302	0.005974231	0.000464372	0.00106984	0.000420072	0.196447626	2.12986E-06	0.00035608	0.000673169	0.001941881	0.001368043
2082 Nov	0.049818624	6.91286E-06	2.205490112	17.9414196	0.063033246	0.00127584	101.6528931	0.005729693	0.005975075	0.000465021	0.00107119	0.000420581	0.196646988	2.13026E-06	0.00035653	0.000673727	0.001943205	0.001369404
2082 Dec	0.049820285	6.91328E-06	2.206093073	17.95117378	0.063057214	0.001276433	101.7109985	0.005732062	0.005975242	0.000465264	0.001071693	0.00042077	0.196720392	2.1304E-06	0.000356696	0.000673935	0.001943692	0.001369913
2083 Jan	0.049820993	6.91337E-06	2.206158876	17.95211601	0.063059732	0.001276491	101.7165527	0.005732297	0.005975302	0.000465288	0.001071742	0.000420789	0.196727946	2.13042E-06	0.000356712	0.000673958	0.001943746	0.001369963
2083 Feb	0.049822453	6.91353E-06	2.206211329	17.95252609	0.063061342	0.00127652	101.7188492	0.005732428	0.005975448	0.000465299	0.001071766	0.000420799	0.196732655	2.13047E-06	0.000356721	0.000673975	0.00194379	0.001369994
2083 Mar	0.049825177	6.91388E-06	2.206324577	17.95343781	0.063064642	0.001276584	101.7240067	0.005732719	0.005975758	0.000465323	0.00107182	0.00042082	0.196742773	2.13058E-06	0.000356739	0.00067401	0.00194389	0.001370063
2083 Apr	0.049838379	6.9157E-06	2.206905603	17.9581604	0.063081272	0.00127692	101.7507477	0.005734227	0.005977332	0.000465446	0.001072102	0.000420931	0.196794555	2.13114E-06	0.000356832	0.000674188	0.001944401	0.001370423
2083 May	0.050086036	6.92629E-06	2.213920832	18.05380058	0.063417971	0.001282441	102.2910004	0.005757018	0.005986867	0.000468794	0.001076893	0.000422768	0.197627291	2.13295E-06	0.000358405	0.000677403	0.001950063	0.001374815
2083 Jun	0.05053512	6.92699E-06	2.210198164	18.03623009	0.063552022	0.001279551	101.9891815	0.005744396	0.005985368	0.00047046	0.001074796	0.00042196	0.197445333	2.12508E-06	0.000357668	0.000678984	0.001947587	0.001370811
2083 Jul	0.050648216	6.94465E-06	2.214307785	18.07752991	0.063682593	0.00128232	102.182251	0.005756584	0.00599715	0.000471423	0.001077174	0.000422857	0.19784078	2.12855E-06	0.000358449	0.000680406	0.001951761	0.00137381
2083 Aug	0.050744269	6.95957E-06	2.219544649	18.14263535	0.063860014	0.001286602	102.553772	0.005774256	0.006006874	0.000473043	0.001080708	0.000424205	0.198410273	2.1316E-06	0.00035964	0.000681995	0.001956262	0.00137771
2083 Sep	0.050749488	6.96306E-06	2.222984076	18.20752525	0.064004168	0.001290752	102.9322586	0.005789591	0.006007461	0.000474559	0.00108397	0.000425426	0.198881328	2.13134E-06	0.000360757	0.000683155	0.001958851	0.001380917
2083 Oct	0.050713621	6.9592E-06	2.222614765	18.23670197	0.064027056	0.001292559	103.0858459	0.005793686	0.006003008	0.000475094	0.001085023	0.000425802	0.198986217	2.1281E-06	0.000361182	0.000683104	0.001958237	0.001381447
2083 Nov	0.050709099	6.95907E-06	2.222857952	18.25231934	0.064049654	0.001293477	103.1583786	0.005796312	0.00600211	0.000475391	0.001085637	0.000426031	0.19905892	2.12722E-06	0.000361411	0.000683225	0.001958399	0.00138196
2083 Dec	0.050710194	6.95937E-06	2.223308802	18.25971222	0.064067677	0.001293926	103.2024384	0.005798099	0.006002219	0.000475575	0.001086017	0.000426174	0.199114218	2.12732E-06	0.000361536	0.000683381	0.001958763	0.001382342
2084 Jan	0.050710738	6.95941E-06	2.223324299	18.25988007	0.06406828	0.001293937	103.203392	0.005798142	0.006002256	0.00047558	0.001086026	0.000426177	0.199115843	2.12733E-06	0.000361539	0.000683387	0.001958775	0.001382351
2084 Feb	0.050711583	6.95947E-06	2.223345518	18.26002693	0.06406901	0.001293947	103.2042007	0.00579819	0.006002319	0.000475584	0.001086034	0.000426181	0.199117735	2.12735E-06	0.000361542	0.000683394	0.001958792	0.001382361
2084 Mar	0.050714452	6.95984E-06	2.223462105	18.26097488	0.064072452	0.001294014	103.2095261	0.005798491	0.006002637	0.00047561	0.00108609	0.000426203	0.199128225	2.12746E-06	0.000361561	0.000683431	0.001958894	0.001382433
2084 Apr	0.050734777	6.96261E-06	2.224349737	18.26826668	0.064098082	0.00129453	103.2507401	0.005800805	0.006005032	0.0004758	0.001086524	0.000426373	0.199207738	2.12831E-06	0.000361705	0.000683704	0.001959675	0.001382984
2084 May	0.051067565	6.97399E-06	2.227274656	18.29045105	0.064293399	0.001295469	103.32444	0.005805473	0.006017224	0.000477642	0.001087432	0.000426768	0.199525923	2.12937E-06	0.000361999	0.000685817	0.001962099	0.001383386
2084 Jun	0.051410589	6.97024E-06	2.217022181	18.16681099	0.064130321	0.001286371	102.3853607	0.005767971	0.006012455	0.000476175	0.001079965	0.000423947	0.198520541	2.12061E-06	0.000359502	0.000684697	0.001954211	0.001374512
2084 Jul	0.051544443	6.99016E-06	2.222635031	18.22029114	0.064304113	0.001290019	102.6648026	0.005784057	0.00602717	0.000477497	0.001083075	0.000425137	0.19905363	2.1254E-06	0.000360529	0.000686551	0.001959497	0.001378374
2084 Aug	0.051653184	7.00733E-06	2.229033947	18.29004288	0.064511552	0.001294723	103.0618668	0.005803956	0.00603952	0.000479236	0.001086986	0.000426641	0.199705556	2.12981E-06	0.000361835	0.00068855	0.001964937	0.001382958
2084 Sep	0.051653862	7.01091E-06	2.232339382	18.3498745	0.064647786	0.001298524	103.4111862	0.005818341	0.006039581	0.000480638	0.001090033	0.000427785	0.20014599	2.12979E-06	0.000362867	0.000689637	0.001967455	0.00138602
2084 Oct	0.051628698	7.00902E-06	2.233832359	18.39640999	0.064729825	0.001301432	103.687706	0.005827948	0.006036822	0.000481687	0.001092189	0.000428578	0.200429976	2.12802E-06	0.000363628	0.000690179	0.001968386	0.001387818
2084 Nov	0.051624443	7.00878E-06	2.234442711	18.41282654	0.064759992	0.001302465	103.7854462	0.005831392	0.006036395	0.000482062	0.001092952	0.000428861	0.200534061	2.12756E-06	0.000363899	0.000690391	0.001968804	0.00138846
2084 Dec	0.051625974	7.00911E-06	2.234827042	18.41888428	0.06477502	0.001302835	103.8214798	0.005832874	0.006036561	0.000482213	0.001093265	0.000428979	0.200580209	2.12766E-06	0.000364002	0.000690522	0.001969116	0.001388779
2085 Jan	0.05162622	7.00919E-06	2.235041857	18.42256546	0.064783938	0.001303056	103.8434753	0.00583375	0.006036556	0.000482304	0.001093453	0.00042905	0.200607255	2.12769E-06	0.000364064	0.000690598	0.001969287	0.001388966
2085 Feb	0.051627014	7.00927E-06	2.235090017	18.42318916	0.064785786	0.001303095	103.8470993	0.005833911	0.006036617	0.000482321	0.001093486	0.000429062	0.20061259	2.12772E-06	0.000364075	0.000690615	0.001969326	0.001389
2085 Mar	0.051628206	7.00941E-06	2.235134602	18.42354774	0.064787142	0.00130312	103.8491211	0.005834024	0.006036738	0.000482331	0.001093507	0.000429071	0.200616598	2.12776E-06	0.000364082	0.00069063	0.001969364	0.001389027
2085 Apr	0.051639222	7.01089E-06	2.235607147	18.42743874	0.064800881	0.001303395	103.8710327	0.005835256	0.006038016	0.000482433	0.001093738	0.000429161	0.200659037	2.12821E-06	0.000364159	0.000690776	0.00196978	0.00138932
2085 May	0.051892009	7.01959E-06	2.238747358	18.4586792	0.064986587	0.001305012	104.0224838	0.005842494	0.006047124	0.000484226	0.001095212	0.000429753	0.201017395	2.12913E-06	0.000364639	0.000692703	0.0019723	0.001390384
2085 Jun	0.052189566	7.02633E-06	2.237083673	18.42803955	0.065036997	0.001302499	103.7434692	0.005832842	0.006053195	0.000484674	0.001093252	0.000429033	0.200863063	2.12715E-06	0.000363973	0.000693514	0.001971226	0.001387775
2085 Jul	0.052346729	7.04904E-06	2.245021105	18.50799751	0.065287322	0.001307903	104.197525	0.005856287	0.006070874	0.000486718	0.001097825	0.00043079	0.20164077	2.13334E-06	0.00036549	0.000696047	0.001978216	0.001393214
2085 Aug	0.052388005	7.05914E-06	2.250324965	18.58685112	0.065485992	0.001312978	104.6525879	0.00587658	0.006075085	0.000488612	0.001102008	0.000432372	0.202273935	2.13498E-06	0.00036689	0.000697736	0.001982498	0.001397704
2085 Sep	0.052351918	7.05879E-06	2.253525972	18.66514778	0.065639712	0.001317868	105.1152115	0.005893849	0.006071093	0.000490398	0.001105793	0.000433779	0.2027881	2.13311E-06	0.000368194	0.000698809	0.001984721	0.001401159
2085 Oct	0.052327085	7.05761E-06	2.255246162	18.71903992	0.065736674	0.001321119	105.411171	0.005904736	0.006067938	0.000491566	0.00110824	0.000434686	0.203103483	2.13123E-06	0.000369051	0.000699469	0.001985915	0.001403358
2085 Nov	0.05231661	7.05698E-06	2.255561829	18.73792458	0.065764569	0.001322219	105.5030975	0.00590801	0.006066427	0.000491933	0.001109007	0.00043497	0.203193083	2.13018E-06	0.00036933	0.00069962	0.001986116	0.001404012
2085 Dec	0.052317355	7.05717E-06	2.25584507	18.7425766	0.065775871	0.001322502	105.5308304	0.005909132	0.006066505	0.000492049	0.001109246	0.00043506	0.203227848	2.13024E-06	0.000369409	0.000699718	0.001986345	0.001404252
2086 Jan	0.052317858	7.05721E-06	2.255882025	18.74313736	0.065777399	0.001322536	105.5341263	0.005909267	0.006066534	0.000492063	0.001109274	0.000435071	0.203232288	2.13025E-06	0.000369418	0.000699731	0.001986373	0.00140428
2086 Feb	0.052318476	7.05724E-06	2.255892754	18.74320793	0.065777868	0.001322541	105.5345001	0.005909289	0.006066567	0.000492066	0.001109278	0.000435073	0.203233302	2.13026E-06	0.00036942	0.000699736	0.001986381	0.001404284
2086 Mar	0.052320007	7.05742E-06	2.255953074	18.74372292	0.065779738	0.001322577	105.5373993	0.005909447	0.006066724	0.00049208	0.001109308	0.000435084	0.203238845	2.13031E-06	0.00036943	0.000699756	0.001986433	0.001404321
2086 Apr	0.052335221	7.05946E-06	2.256606579	18.74916458	0.065798849	0.00132296	105.5680389	0.005911159	0.006068476	0.000492223	0.001109629	0.00043521	0.203297779	2.13093E-06	0.000369537	0.000699959	0.001987007	0.001404728
2086 May	0.05245265	7.06755E-06	2.259533405	18.77681732	0.065915018	0.001324695	105.7196655	0.005918812	0.00607598	0.000493246	0.001111125	0.000435798	0.203591719	2.13292E-06	0.00037003	0.000701162	0.001989492	0.001406312
2086 Jun	0.052832853	7.06895E-06	2.250016212	18.66337013	0.065771043	0.001316131	104.8503036	0.00588361	0.006076196	0.000492054	0.001104253	0.000433151	0.202658042	2.12523E-06	0.000367704	0.00070046	0.001983401	0.001397637
2086 Jul	0.052986659	7.09213E-06	2.255083323	18.71269417	0.065931082	0.001319413	105.0728302	0.005898169	0.006092176	0.000493212	0.001107104	0.000434219	0.203134254	2.12979E-06	0.000368634	0.000702297	0.001988854	0.001401219
2086 Aug	0.053086899	7.10919E-06	2.262793541	18.81110764	0.066200092	0.001325811	105.6403809	0.005924552	0.006103082	0.000495648	0.001112439	0.000436252	0.203978762	2.13383E-06	0.000370413	0.000704756	0.001995303	0.001407147
2086 Sep	0.053070709	7.11181E-06	2.266279459	18.88362312	0.066351458	0.001330409	106.0671082	0.005941208	0.006101454	0.000497311	0.001116015	0.000437594	0.20448342	2.133E-06	0.00037164	0.000705856	0.001997861	0.001410556
2086 Oct	0.053074911	7.1142E-06	2.269843578	18.94779778	0.066498145	0.001334396	106.4475708	0.005956365	0.006102038	0.000498854	0.001119253	0.000438807	0.204949841	2.13318E-06	0.000372732	0.000707077	0.002000638	0.001413749
2086 Nov	0.053083792	7.11564E-06	2.270831347	18.96150398	0.066534273	0.001335255	106.5283203	0.005959869	0.006103042	0.000499198	0.001119977	0.000439082	0.205061078	2.13361E-06	0.000372972	0.000707407	0.002001456	0.001414521
2086 Dec	0.053084858	7.11593E-06	2.271241426	18.96814919	0.066550575	0.001335659	106.5679398	0.005961482	0.006103152	0.000499363	0.00112032	0.000439211	0.205111042	2.13371E-06	0.000373085	0.000707548	0.002001788	0.001414868
2087 Jan	0.053085282	7.11598E-06	2.271292448	18.96892929	0.066552602	0.001335706	106.5725479	0.005961673	0.006103184	0.000499383	0.00112036	0.000439226	0.205117106	2.13372E-06	0.000373099	0.000707566	0.002001829	0.001414909
2087 Feb	0.053086471	7.11611E-06	2.271336079	18.96929359	0.066553973	0.001335732	106.574585	0.005961786	0.006103299	0.000499393	0.001120381	0.000439234	0.2051211	2.13376E-06	0.000373106	0.00070758	0.002001866	0.001414935
2087 Mar	0.053089935	7.11656E-06	2.27147913	18.97048378	0.066558212	0.001335815	106.5812607	0.005962159	0.006103686	0.000499424	0.001120451	0.000439262	0.205134049	2.13389E-06	0.000373129	0.000707625	0.002001991	0.001415024
2087 Apr	0.053097822	7.1176E-06	2.271813869	18.97327423	0.066568039	0.001336012	106.5969238	0.005963036	0.006104586	0.000499498	0.001120616	0.000439326	0.205164269	2.13421E-06	0.000373184	0.00070773	0.002002286	0.001415232
2087 May	0.053238694	7.12188E-06	2.27221489	18.96762848	0.066617027	0.001335533	106.5438004	0.005961604	0.006109593	0.000499931	0.001120266	0.000439216	0.205196515	2.13448E-06	0.000373065	0.00070834	0.002002595	0.001414659
2087 Jun	0.053591184	7.12422E-06	2.266670942	18.8840313	0.066564068	0.001329491	105.9409256	0.005937608	0.006113329	0.00049948	0.001115405	0.000437388	0.204634279	2.13009E-06	0.00037143	0.000708315	0.001998452	0.001408572
2087 Jul	0.053720132	7.14343E-06	2.273571491	18.96114731	0.066792019	0.001334582	106.3787155	0.005959345	0.006127282	0.000501434	0.001119734	0.000439033	0.205343097	2.13483E-06	0.000372862	0.000710575	0.002004632	0.001413353

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.053861216	7.16387E-06	2.281183243	19.04117203	0.067036524	0.001339949	106.8351212	0.005982298	0.006143033	0.000503474	0.001124232	0.000440766	0.206102356	2.14043E-06	0.000374359	0.000712983	0.002011181	0.00141882
2087 Sep	0.053924464	7.17482E-06	2.28736043	19.12560272	0.067259192	0.001345383	107.3269196	0.006004213	0.006150329	0.000505551	0.001128724	0.000442472	0.206799984	2.14314E-06	0.000375862	0.000715015	0.002016254	0.001423689
2087 Oct	0.053916514	7.17582E-06	2.290489912	19.186409	0.067393437	0.001349136	107.688179	0.006018324	0.006149573	0.000506998	0.001131767	0.000443608	0.207228884	2.14286E-06	0.000376889	0.000716099	0.002018636	0.00142665
2087 Nov	0.053914253	7.17592E-06	2.291096687	19.19991302	0.067420565	0.001349985	107.7685394	0.006021318	0.00614941	0.00050731	0.001132419	0.00044385	0.207319811	2.14266E-06	0.000377115	0.000716305	0.002019078	0.001427247
2087 Dec	0.053915013	7.17626E-06	2.291715145	19.21024323	0.067445561	0.001350609	107.8302155	0.006023803	0.00614948	0.000507567	0.001132949	0.00044405	0.207396388	2.14278E-06	0.00037729	0.00071652	0.002019576	0.001427782
2088 Jan	0.053915661	7.17637E-06	2.291850805	19.21240234	0.067450985	0.00135074	107.8430634	0.006024328	0.006149529	0.000507621	0.00113306	0.000444091	0.207412809	2.14281E-06	0.000377326	0.000716567	0.002019684	0.001427894
2088 Feb	0.053916279	7.17641E-06	2.291870832	19.21260452	0.067451753	0.001350753	107.8441925	0.006024383	0.006149571	0.000507627	0.001133071	0.000444096	0.207414836	2.14282E-06	0.00037733	0.000716575	0.0020197	0.001427906
2088 Mar	0.053919986	7.17688E-06	2.292021513	19.21385765	0.067456238	0.001350841	107.8512115	0.006024776	0.006149978	0.00050766	0.001133145	0.000444125	0.207428485	2.14296E-06	0.000377355	0.000716622	0.002019832	0.001427999
2088 Apr	0.053950101	7.18086E-06	2.293292761	19.22450066	0.067493737	0.001351589	107.9109268	0.006028113	0.006153391	0.000507942	0.001133772	0.000444371	0.207543567	2.14415E-06	0.000377564	0.000717021	0.002020951	0.00142879
2088 May	0.054025009	7.18972E-06	2.296186686	19.24899864	0.067583382	0.001353289	108.0476837	0.006035699	0.006161033	0.000508614	0.001135202	0.00044493	0.207809538	2.14674E-06	0.00037804	0.000717964	0.002023456	0.001430565
2088 Jun	0.054099604	7.19288E-06	2.29095912	19.18929672	0.067432143	0.001349162	107.6844406	0.006019108	0.006162588	0.000507443	0.001132182	0.000443619	0.207292825	2.14387E-06	0.000376957	0.000717195	0.00202193	0.001426112
2088 Jul	0.054262023	7.21607E-06	2.297426701	19.2512188	0.067632698	0.001353363	108.0303802	0.00603773	0.006180579	0.000509056	0.001135862	0.000444992	0.20791401	2.14947E-06	0.000378153	0.00071946	0.002028498	0.001430339
2088 Aug	0.054462343	7.24443E-06	2.307765484	19.35440254	0.067958318	0.001360348	108.6178436	0.006067861	0.006203277	0.000511706	0.001141719	0.000447259	0.208920389	2.15757E-06	0.000380102	0.000722737	0.002037439	0.001437334
2088 Sep	0.054516274	7.2543E-06	2.313443422	19.43188858	0.068163902	0.001365315	109.0689468	0.006088057	0.00620943	0.000513615	0.001145861	0.000448831	0.209561154	2.16004E-06	0.00038148	0.000724608	0.0020421	0.001441855
2088 Oct	0.054452948	7.2479E-06	2.312887907	19.45661926	0.068177328	0.001366848	109.2189102	0.006091638	0.006202786	0.000514068	0.001146815	0.00044916	0.209643662	2.15672E-06	0.000381851	0.000724462	0.00204122	0.00144232
2088 Nov	0.054450188	7.24774E-06	2.313028812	19.46350098	0.068186194	0.001367314	109.2597656	0.006092927	0.00620264	0.000514207	0.001147106	0.000449268	0.209682301	2.15634E-06	0.000381964	0.000724502	0.002041273	0.001442526
2088 Dec	0.054451663	7.24809E-06	2.313476801	19.47065353	0.068203829	0.001367749	109.3023605	0.006094671	0.006202798	0.000514385	0.001147476	0.000449407	0.209736422	2.15645E-06	0.000382086	0.000724656	0.002041636	0.001442904
2089 Jan	0.05445227	7.24815E-06	2.31351161	19.47111511	0.06820517	0.001367778	109.3050461	0.006094788	0.006202846	0.000514397	0.001147499	0.000449416	0.209740341	2.15646E-06	0.000382094	0.000724668	0.002041664	0.001442929
2089 Feb	0.054453224	7.24824E-06	2.313539505	19.47132683	0.068206087	0.001367793	109.3062057	0.006094855	0.006202925	0.000514404	0.001147512	0.000449421	0.209742844	2.15649E-06	0.000382098	0.000724678	0.002041687	0.001442944
2089 Mar	0.054457739	7.24881E-06	2.313724518	19.47287941	0.068211615	0.001367902	109.3149033	0.00609534	0.006203424	0.000514445	0.001147603	0.000449457	0.209759653	2.15666E-06	0.000382128	0.000724736	0.00204185	0.001443058
2089 Apr	0.054476935	7.25135E-06	2.314535379	19.47970009	0.068235569	0.001368381	109.3531799	0.006097474	0.006205599	0.000514626	0.001148005	0.000449614	0.20983319	2.15742E-06	0.000382262	0.000724991	0.002042565	0.001443563
2089 May	0.054679889	7.25833E-06	2.315629244	19.47689056	0.068319887	0.001368074	109.3140564	0.00609707	0.006213526	0.000515367	0.001147827	0.000449578	0.209931463	2.15819E-06	0.000382199	0.000726001	0.002043425	0.001443113
2089 Jun	0.055050049	7.26411E-06	2.313894749	19.43591118	0.068386868	0.001364946	109.0162201	0.006085453	0.006221361	0.000516075	0.00114545	0.000448695	0.209774897	2.15609E-06	0.000381384	0.000727071	0.00204212	0.001439617
2089 Jul	0.05519712	7.28604E-06	2.322842836	19.54095459	0.068689518	0.001371788	109.6203537	0.006114359	0.006237281	0.000518741	0.001151253	0.000450904	0.210712731	2.16176E-06	0.000383305	0.00073	0.002049936	0.001446166
2089 Aug	0.055334933	7.30656E-06	2.331592083	19.64499283	0.068986058	0.00137856	110.2206268	0.006142744	0.006252202	0.000521375	0.001156944	0.00045308	0.211634308	2.16716E-06	0.000385198	0.000732804	0.002057394	0.001452577
2089 Sep	0.055360563	7.31371E-06	2.337776899	19.74442101	0.06922742	0.001384824	110.8047256	0.006167285	0.006255297	0.000523774	0.001162098	0.000455019	0.21239607	2.16846E-06	0.000386924	0.000734882	0.002062299	0.001457939
2089 Oct	0.055284806	7.3066E-06	2.338610411	19.80023956	0.069303773	0.001388241	111.1423187	0.006177704	0.006247542	0.000524958	0.001164556	0.000455909	0.212683529	2.16473E-06	0.000387806	0.000735214	0.002062452	0.00145979
2089 Nov	0.055289209	7.30748E-06	2.339428186	19.81479645	0.069336146	0.001389169	111.228569	0.006181106	0.006248149	0.000525303	0.001165278	0.000456181	0.212789983	2.16481E-06	0.000388055	0.000735483	0.002063092	0.00146049
2089 Dec	0.055291042	7.30786E-06	2.339838028	19.82116318	0.069352046	0.001389559	111.2664261	0.006182672	0.006248349	0.000525462	0.001165608	0.000456306	0.212838799	2.16493E-06	0.000388164	0.000735623	0.002063426	0.00146083
2090 Jan	0.055292144	7.308E-06	2.339930534	19.82242012	0.069355488	0.001389637	111.2738113	0.006182993	0.006248452	0.000525494	0.001165674	0.000456331	0.212849155	2.16497E-06	0.000388186	0.000735655	0.002063502	0.001460901
2090 Feb	0.055293508	7.30814E-06	2.339978933	19.82283592	0.069357052	0.001389666	111.2761307	0.006183119	0.00624858	0.000525505	0.001165698	0.00045634	0.21285367	2.16501E-06	0.000388194	0.000735671	0.002063543	0.00146093
2090 Mar	0.055297036	7.30859E-06	2.34012413	19.8240757	0.069361441	0.001389752	111.2830963	0.006183504	0.006248964	0.000525539	0.00116577	0.000456368	0.212866977	2.16514E-06	0.000388218	0.000735718	0.00206367	0.00146102
2090 Apr	0.055308845	7.31014E-06	2.340620279	19.82827568	0.069376178	0.001390046	111.3066483	0.006184813	0.00625029	0.00052565	0.001166017	0.000456465	0.212912112	2.1656E-06	0.0003883	0.000735874	0.002064107	0.001461329
2090 May	0.055376582	7.31645E-06	2.344230413	19.87439156	0.06951534	0.001392907	111.5743942	0.006196717	0.00625527	0.000526955	0.001168459	0.000457398	0.213310242	2.16732E-06	0.000389105	0.000737195	0.002067108	0.001463907
2090 Jun	0.055715438	7.31706E-06	2.34635663	19.96420288	0.069853917	0.001396584	111.9610367	0.006210183	0.006251124	0.000530873	0.001172046	0.000458671	0.213867605	2.16067E-06	0.000390218	0.000740494	0.00206987	0.001465605
2090 Jul	0.055860408	7.33807E-06	2.351707458	20.01644516	0.070022628	0.001400084	112.2264099	0.00622561	0.006266476	0.000532174	0.001175073	0.000459812	0.214378446	2.16529E-06	0.000391209	0.000742371	0.002075312	0.001469263
2090 Aug	0.055858843	7.34394E-06	2.355110407	20.08179855	0.070161499	0.001404295	112.6064148	0.006241205	0.006266165	0.000533654	0.001178359	0.000461052	0.214851201	2.16502E-06	0.000392336	0.000743333	0.002077894	0.001472534
2090 Sep	0.055816162	7.34287E-06	2.355752707	20.1268959	0.070222139	0.001407055	112.8295288	0.006249325	0.006261311	0.000534467	0.001180232	0.000461747	0.215068132	2.16215E-06	0.000393025	0.000743566	0.002078139	0.001474221
2090 Oct	0.055766016	7.33733E-06	2.351370811	20.10381889	0.070095688	0.001405576	112.6235733	0.006239105	0.006255544	0.000533496	0.001178292	0.000461007	0.214711979	2.15731E-06	0.000392493	0.00074214	0.002074374	0.001471824
2090 Nov	0.055745188	7.33518E-06	2.349951267	20.09733582	0.070057146	0.001405121	112.5600586	0.006235986	0.006253036	0.000533201	0.001177715	0.000460786	0.214599356	2.15564E-06	0.000392332	0.000741694	0.002073154	0.001471124
2090 Dec	0.055746529	7.33555E-06	2.350485802	20.1060524	0.07007841	0.001405651	112.6120377	0.006238097	0.00625318	0.000533417	0.001178164	0.000460954	0.214664683	2.15576E-06	0.00039248	0.000741878	0.002073586	0.00147158
2091 Jan	0.055747047	7.33565E-06	2.350680113	20.10927582	0.070086338	0.001405845	112.6312637	0.00623887	0.006253208	0.000533497	0.001178329	0.000461016	0.214688733	2.1558E-06	0.000392535	0.000741946	0.002073741	0.001471747
2091 Feb	0.055747639	7.3357E-06	2.350735903	20.11012077	0.070088655	0.001405896	112.6362686	0.006239077	0.006253237	0.000533519	0.001178372	0.000461033	0.214695394	2.15581E-06	0.000392549	0.000741966	0.002073784	0.001471791
2091 Mar	0.055753574	7.33646E-06	2.350981951	20.11224937	0.070096105	0.001406044	112.6481857	0.006239732	0.006253884	0.000533576	0.001178496	0.000461081	0.214718014	2.15604E-06	0.000392591	0.000742045	0.002074	0.001471945
2091 Apr	0.055776339	7.33944E-06	2.351936817	20.12041092	0.070124619	0.001406615	112.6938934	0.006242264	0.006256426	0.000533793	0.001178974	0.000461268	0.214805245	2.15691E-06	0.00039275	0.000742347	0.002074842	0.001472542
2091 May	0.055932254	7.34848E-06	2.354331493	20.13663292	0.070229337	0.001407603	112.7675705	0.006247018	0.006265225	0.000534678	0.001179843	0.000461627	0.215029612	2.15882E-06	0.000393037	0.000743501	0.002076915	0.001473447
2091 Jun	0.056376524	7.35288E-06	2.34832263	20.04588509	0.070192136	0.00140082	112.0809631	0.006220002	0.006271262	0.00053437	0.001174382	0.000459589	0.214414865	2.15404E-06	0.000391201	0.000743716	0.002072576	0.001466583
2091 Jul	0.056579906	7.38076E-06	2.357643843	20.13766479	0.070486508	0.001406995	112.5942307	0.006246865	0.006293572	0.000536752	0.001179623	0.000461602	0.215314925	2.16161E-06	0.000392934	0.000746783	0.002081027	0.001472811
2091 Aug	0.05662369	7.39173E-06	2.36363101	20.2269783	0.070709318	0.001412736	113.112915	0.006269651	0.006298359	0.000538895	0.001184325	0.000463384	0.216027603	2.1635E-06	0.000394512	0.000748668	0.002085863	0.001477844
2091 Sep	0.056616139	7.39606E-06	2.36861515	20.3185482	0.070912883	0.00141848	113.6552811	0.00629128	0.006297988	0.000541045	0.001188927	0.000465119	0.216689214	2.16357E-06	0.000396069	0.000750251	0.002089695	0.001482413
2091 Oct	0.056562003	7.3919E-06	2.370190382	20.37460899	0.071006767	0.001421879	113.9854736	0.006302629	0.00629249	0.000542265	0.001191512	0.000466067	0.217011496	2.16114E-06	0.000396969	0.000750829	0.002090615	0.001484667
2091 Nov	0.056533296	7.38896E-06	2.369330168	20.38181305	0.070993036	0.001422296	114.0130005	0.006302486	0.006289515	0.000542298	0.001191594	0.000466089	0.216989771	2.15918E-06	0.00039704	0.000750555	0.002089762	0.001484496
2091 Dec	0.056534771	7.38928E-06	2.369706869	20.38831902	0.071008161	0.001422695	114.0509796	0.006304012	0.006289686	0.000542454	0.001191919	0.000466212	0.217037022	2.15924E-06	0.000397149	0.000750684	0.002090067	0.001484822
2092 Jan	0.056535073	7.38944E-06	2.370070457	20.39450836	0.071023121	0.001423067	114.0879898	0.00630549	0.006289683	0.000542608	0.001192235	0.000466331	0.21708259	2.1593E-06	0.000397253	0.000750811	0.002090356	0.00148514
2092 Feb	0.056536287	7.38957E-06	2.370184422	20.39614677	0.071027592	0.001423168	114.0976486	0.006305899	0.006289775	0.000542651	0.001192321	0.000466363	0.217095777	2.15934E-06	0.000397281	0.000750851	0.002090448	0.001485229
2092 Mar	0.056543376	7.39047E-06	2.370473385	20.39863205	0.071036354	0.00142334	114.1115341	0.006306665	0.006290541	0.000542717	0.001192466	0.00046642	0.217122316	2.1596E-06	0.00039733	0.000750944	0.002090701	0.001485409
2092 Apr	0.056562554	7.39296E-06	2.371271849	20.40549088	0.07106033	0.001423819	114.1498947	0.006308787	0.006292662	0.0005429	0.001192867	0.000466576	0.217195436	2.16033E-06	0.000397463	0.000751197	0.002091405	0.001485909
2092 May	0.056736812	7.40205E-06	2.375490904	20.45587921	0.071255252	0.001426757	114.4221268	0.006321207	0.006300843	0.000544749	0.001195414	0.000467566	0.217665821	2.16207E-06	0.000398301	0.000753124	0.002094895	0.001488393
2092 Jun	0.057147786	7.39229E-06	2.363468647	20.33556938	0.071120732	0.001417044	113.4646225	0.006280454	0.006290303	0.000543894	0.001187641	0.000464587	0.216587901	2.14959E-06	0.000395668	0.00075231	0.00208602	0.001478309
2092 Jul	0.057209186	7.40408E-06	2.365494251	20.36717796	0.071201622	0.001418942	113.5943985	0.006288475	0.006295778	0.000544555	0.00118937	0.000465192	0.216822729	2.15059E-06	0.000396217	0.000753254	0.002088811	0.001480286
2092 Aug	0.05735888	7.42667E-06	2.375613451	20.4873333	0.071546897	0.001426774	114.2868958	0.006321223	0.006312218	0.000547595	0.00119594	0.000467707	0.217887744	2.15673E-06	0.0003984	0.000756544	0.002097372	0.001487735
2092 Sep	0.05737203	7.43404E-06	2.384543419	20.63564491	0.071902871	0.001435922	115.1662369	0.006357295	0.006313904	0.000551204	0.001203583	0.000470582	0.218999058	2.15831E-06	0.000400939	0.000759557	0.002104463	0.0014956
2092 Oct	0.057351712	7.43495E-06	2.38992548	20.73762512	0.072131708	0.001442131	115.7760391	0.006381111	0.006312004	0.000553653	0.001208725	0.000472502	0.219720513	2.15814E-06	0.000402655	0.000761422	0.002108602	0.001500692
2092 Nov	0.05734868	7.43568E-06	2.392030001	20.77554703	0.072219051	0.001444436	116.0028076	0.006390054	0.006311756	0.000554575	0.001210646	0.000473222	0.219993606	2.15828E-06	0.000403295	0.000762148	0.002110251	0.001502609
2092 Dec	0.057350732	7.43602E-06	2.392305613	20.77956581	0.0722294	0.001444686	116.0265656	0.006391062	0.006311981	0.000554675	0.001210856	0.000473301	0.22002539	2.15838E-06	0.000403364	0.000762241	0.002110479	0.00150283
2093 Jan	0.057351056	7.4361E-06	2.392449617	20.78197098	0.072235301	0.001444831	116.040947	0.006391639	0.006311997	0.000554735	0.00121098	0.000473348	0.220043287	2.15841E-06	0.000403405	0.000762292	0.002110593	0.001502954
2093 Feb	0.057352096	7.43622E-06	2.392529249	20.78303719	0.072238296	0.001444897	116.0471802	0.006391912	0.006312085	0.000554763	0.001211036	0.000473369	0.220052153	2.15844E-06	0.000403423	0.000762319	0.002110658	0.001503014
2093 Mar	0.057362329	7.43757E-06	2.393049955	20.78837776	0.07225512	0.001445252	116.0776596	0.00639344	0.006313195	0.000554902	0.001211335	0.000473485	0.220103323	2.15884E-06	0.000403523	0.000762489	0.002111109	0.001503366
2093 Apr	0.057383049	7.44025E-06	2.393928051	20.79614449	0.072281852	0.001445789	116.1211395	0.006395808	0.006315468	0.00055511	0.001211785	0.000473661	0.220184684	2.15961E-06	0.000403673	0.000762769	0.002111882	0.001503922
2093 May	0.057537366	7.44884E-06	2.397667408	20.83663177	0.072446093	0.001448224	116.3475418	0.006406304	0.00632353	0.000556643	0.001213902	0.000474484	0.220588014	2.1615E-06	0.000404369	0.000764422	0.00211497	0.001506008
2093 Jun	0.057887912	7.44573E-06	2.390109539	20.73632622	0.072353393	0.001440865	115.6429367	0.006376668	0.0063227	0.000555962	0.001208017	0.000472248	0.219854236	2.15496E-06	0.00040238	0.000764025	0.002109225	0.00149847
2093 Jul	0.058047023	7.46809E-06	2.396838665	20.80398941	0.072568521	0.001445404	116.0077057	0.006396395	0.006339502	0.000557689	0.001211875	0.000473721	0.220510334	2.16035E-06	0.000403656	0.000766273	0.002115499	0.001503091
2093 Aug	0.058173932	7.48734E-06	2.405109167	20.90239906	0.072850853	0.001451832	116.5729446	0.006423301	0.00635317	0.000560176	0.001217268	0.000475783	0.221384063	2.16534E-06	0.000405449	0.00076895	0.002122506	0.001509222
2093 Sep	0.058186043	7.49295E-06	2.410358906	20.98976898	0.073058069	0.001457349	117.0868149	0.006444733	0.006354982	0.000562257	0.001221783	0.000477479	0.222044691	2.16614E-06	0.000406965	0.000770703	0.002126612	0.001513929
2093 Oct	0.058072023	7.48169E-06	2.409034729	21.02092552	0.073056422	0.00145924	117.2803726	0.006448442	0.006343989	0.000562743	0.001222881	0.00047785	0.222108975	2.16105E-06	0.000407408	0.000770268	0.002124894	0.001514314
2093 Nov	0.058055144	7.48026E-06	2.409046173	21.0368309	0.073069423	0.001460238	117.3663864	0.006450842	0.006342604	0.000563019	0.001223467	0.000478065	0.222172737	2.15977E-06	0.000407643	0.000770261	0.002124777	0.001514691
2093 Dec	0.058057353	7.48064E-06	2.409373522	21.04171944	0.073081821	0.001460541	117.3953552	0.006452057	0.00634285	0.000563141	0.001223721	0.000478161	0.222210944	2.15989E-06	0.000407727	0.000770371	0.002125046	0.001514956
2094 Jan	0.058058061	7.48078E-06	2.409583569	21.04514313	0.073090307	0.001460748	117.4157639	0.006452884	0.0063429	0.000563227	0.001223897	0.000478227	0.222236708	2.15993E-06	0.000407785	0.000770445	0.002125214	0.001515136
2094 Feb	0.058058906	7.48086E-06	2.409653187	21.04613686	0.073093072	0.001460809	117.4216156	0.006453131	0.006342957	0.000563253	0.001223949	0.000478247	0.222244754	2.15996E-06	0.000407802	0.000770469	0.00212527	0.001515189
2094 Mar	0.058064442	7.48155E-06	2.409877539	21.04810905	0.073099978	0.001460945	117.4326096	0.006453732	0.006343542	0.000563306	0.001224063	0.000478292	0.222265542	2.16015E-06	0.00040784	0.000770542	0.002125466	0.00151533
2094 Apr	0.058078874	7.48339E-06	2.410471439	21.05328751	0.073118038	0.001461304	117.4615021	0.00645532	0.006345108	0.000563445	0.001224364	0.000478409	0.222320348	2.16069E-06	0.000407941	0.000770732	0.002125989	0.001515703
2094 May	0.058262493	7.48882E-06	2.412826538	21.08431053	0.073271871	0.00146284	117.6031952	0.0064618	0.006350105	0.000564962	0.001225747	0.000478957	0.222614408	2.16073E-06	0.000408391	0.000772263	0.002127857	0.001516803
2094 Jun	0.058648422	7.50131E-06	2.414690018	21.10275269	0.073476322	0.001463198	117.5956955	0.006463984	0.006360561	0.000566894	0.001226264	0.000479185	0.222864807	2.15999E-06	0.000408538	0.000774532	0.002129745	0.001516751

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.058868039	7.53144E-06	2.425619125	21.21671677	0.073831402	0.001470789	118.2420197	0.006496645	0.006384187	0.000569857	0.001232691	0.00048165	0.223951221	2.16813E-06	0.000410667	0.000778124	0.002139407	0.001524271
2094 Aug	0.059084281	7.56181E-06	2.438885212	21.36938477	0.074279994	0.001480728	119.1212158	0.006538524	0.006407526	0.000573778	0.001241063	0.000484861	0.225324169	2.1767E-06	0.000413445	0.000782465	0.002150732	0.001533804
2094 Sep	0.059097264	7.5678E-06	2.444804668	21.46869087	0.074514031	0.001486986	119.706749	0.006562752	0.006409572	0.000576145	0.001246176	0.000486781	0.22607103	2.17757E-06	0.000415164	0.000784445	0.002155366	0.001539109
2094 Oct	0.059026789	7.56298E-06	2.447631598	21.54821396	0.0746589	0.001491837	120.1877213	0.006579781	0.006402971	0.000577926	0.001249988	0.000488185	0.226562768	2.17509E-06	0.000416469	0.000785426	0.002157195	0.001542592
2094 Nov	0.058963843	7.55749E-06	2.449119329	21.60475349	0.074747227	0.001495278	120.5346222	0.006591008	0.006397254	0.000579159	0.001252567	0.00048913	0.226881713	2.17256E-06	0.000417374	0.000785929	0.00215801	0.001544719
2094 Dec	0.05896024	7.55726E-06	2.449374199	21.61094284	0.074759208	0.001495654	120.5721588	0.006592351	0.006396933	0.000579302	0.001252864	0.000489241	0.226921469	2.17243E-06	0.000417476	0.000786016	0.002158191	0.001544992
2095 Jan	0.058961045	7.55744E-06	2.449684381	21.61604309	0.074771747	0.001495963	120.6025848	0.00659358	0.006396989	0.000579429	0.001253126	0.000489339	0.226959631	2.1725E-06	0.000417562	0.000786124	0.002158439	0.001545259
2095 Feb	0.058962144	7.55754E-06	2.449749231	21.61689568	0.074774288	0.001496016	120.6075592	0.006593799	0.006397065	0.000579452	0.001253171	0.000489356	0.226966903	2.17252E-06	0.000417577	0.000786148	0.002158491	0.001545306
2095 Mar	0.058965676	7.55798E-06	2.449928284	21.61880493	0.074780278	0.001496141	120.6184769	0.006594334	0.006397425	0.000579502	0.001253276	0.000489397	0.226984844	2.17265E-06	0.000417612	0.000786207	0.002158644	0.001545429
2095 Apr	0.058984138	7.56033E-06	2.450690746	21.62553787	0.074803621	0.001496606	120.6560364	0.006596386	0.006399415	0.000579683	0.001253666	0.000489549	0.22705555	2.17333E-06	0.000417742	0.000786452	0.002159315	0.001545909
2095 May	0.059173025	7.56499E-06	2.451020479	21.61577606	0.074866466	0.00149581	120.5769806	0.006593858	0.00640539	0.000580262	0.001253084	0.000489356	0.227083355	2.1734E-06	0.000417543	0.000787239	0.002159495	0.00154496
2095 Jun	0.059499063	7.57785E-06	2.452828169	21.61308098	0.075002566	0.00149542	120.5151367	0.006593693	0.006418632	0.000581439	0.00125292	0.000489331	0.227247342	2.17473E-06	0.000417474	0.000788914	0.002161186	0.001544408
2095 Jul	0.059730463	7.60867E-06	2.463157415	21.71313095	0.075328663	0.001502215	121.0767746	0.006623237	0.00644336	0.000584072	0.001258637	0.000491541	0.228244543	2.18308E-06	0.000419376	0.000792253	0.002170289	0.001551271
2095 Aug	0.059751309	7.6162E-06	2.467077971	21.77488708	0.075477906	0.001506196	121.433136	0.006639043	0.006445511	0.00058552	0.00126191	0.000492773	0.228729874	2.18395E-06	0.000420474	0.000793467	0.002173404	0.001554826
2095 Sep	0.059774164	7.62387E-06	2.472768307	21.8646698	0.075695306	0.001511884	121.9611435	0.006661309	0.00644848	0.000587672	0.001266561	0.000494533	0.229422539	2.18536E-06	0.000422034	0.000795296	0.00217941	0.00155971
2095 Oct	0.059774987	7.62664E-06	2.477164507	21.94030571	0.07587333	0.001516536	122.4108734	0.006679508	0.00644884	0.000589503	0.001270439	0.000495987	0.229980335	2.1859E-06	0.000423324	0.0007968	0.002181401	0.001563685
2095 Nov	0.05975103	7.62509E-06	2.478666782	21.97929955	0.075944841	0.001518937	122.647644	0.006687823	0.006446901	0.000590384	0.001272286	0.000496671	0.230225906	2.18497E-06	0.000423964	0.0007973	0.002182438	0.001565343
2095 Dec	0.059750218	7.6252E-06	2.479049683	21.98690987	0.075960837	0.00151941	122.6934204	0.006689547	0.006446907	0.000590563	0.001272659	0.000496811	0.230278626	2.18494E-06	0.000424092	0.000797427	0.00218273	0.001565698
2096 Jan	0.059750959	7.62538E-06	2.479367971	21.99218178	0.075973772	0.001519728	122.7248917	0.006690816	0.006446953	0.000590694	0.001272929	0.000496913	0.23031795	2.185E-06	0.000424181	0.000797538	0.002182984	0.001565974
2096 Feb	0.059753314	7.62563E-06	2.479496241	21.99370575	0.075978413	0.001519825	122.733696	0.006691222	0.006447159	0.000590735	0.001273011	0.000496944	0.230331525	2.18507E-06	0.000424208	0.000797582	0.002183091	0.001566064
2096 Mar	0.059757266	7.6261E-06	2.479649305	21.99505043	0.075983219	0.001519917	122.7411804	0.00669163	0.006447559	0.000590772	0.001273089	0.000496974	0.230345771	2.18521E-06	0.000424234	0.000797633	0.002183224	0.001566159
2096 Apr	0.05977485	7.62832E-06	2.480372429	22.0014534	0.076005422	0.001520359	122.776886	0.006693578	0.006449442	0.000590944	0.001273459	0.000497119	0.230412945	2.18584E-06	0.000424357	0.000797866	0.002183859	0.001566615
2096 May	0.059899326	7.63561E-06	2.486531258	22.09025192	0.076273195	0.001525647	123.2965775	0.006715195	0.00645509	0.000593613	0.001278009	0.000498848	0.231143594	2.18757E-06	0.000425853	0.000800339	0.00218883	0.001571122
2096 Jun	0.060107142	7.6268E-06	2.479713202	22.05742455	0.076252542	0.00152176	122.9674149	0.006697965	0.006443411	0.000594081	0.001275307	0.000497682	0.230677441	2.17778E-06	0.000424862	0.000800498	0.002185123	0.001566236
2096 Jul	0.060258344	7.6489E-06	2.484551191	22.10378075	0.076407172	0.001524857	123.1752701	0.00671172	0.006458688	0.000595193	0.00127799	0.00049869	0.231131688	2.1821E-06	0.000425738	0.000802271	0.002190266	0.001569659
2096 Aug	0.060442593	7.67462E-06	2.494675636	22.21427536	0.076742023	0.001532179	123.8055191	0.006742714	0.006478522	0.000598041	0.001284115	0.000501048	0.232158318	2.18911E-06	0.000427777	0.000805556	0.002198951	0.001576767
2096 Sep	0.060421739	7.67653E-06	2.497947931	22.28046036	0.076880276	0.001536406	124.1967468	0.006758237	0.006477253	0.000599529	0.001287439	0.000502288	0.232623935	2.18848E-06	0.000428915	0.000806609	0.002201319	0.001580121
2096 Oct	0.060336895	7.6691E-06	2.498435736	22.33065033	0.07693439	0.001539551	124.5079956	0.006767238	0.006470054	0.000600512	0.001289584	0.000503064	0.232865274	2.18483E-06	0.000429706	0.000806727	0.002201169	0.001581685
2096 Nov	0.060339157	7.66974E-06	2.499078989	22.34465408	0.076959856	0.001540478	124.5923309	0.006770269	0.006470754	0.000600821	0.001290234	0.000503309	0.232959971	2.1847E-06	0.000429943	0.000806915	0.002201642	0.001582261
2096 Dec	0.060339812	7.66992E-06	2.499346972	22.34902191	0.076970488	0.001540744	124.6184006	0.006771327	0.006470828	0.000600929	0.001290459	0.000503393	0.232992679	2.18476E-06	0.000430017	0.000807007	0.002201858	0.001582491
2097 Jan	0.06034011	7.66999E-06	2.499481201	22.35127449	0.076976001	0.001540879	124.6318588	0.006771865	0.006470839	0.000600985	0.001290574	0.000503436	0.233009398	2.18479E-06	0.000430055	0.000807054	0.002201964	0.001582608
2097 Feb	0.060340561	7.67001E-06	2.499506712	22.35164261	0.076977096	0.001540901	124.6340179	0.006771955	0.006470859	0.000600995	0.001290592	0.000503443	0.233012423	2.18479E-06	0.000430062	0.000807064	0.002201983	0.001582627
2097 Mar	0.060344048	7.67043E-06	2.499644518	22.35286522	0.076981418	0.001540985	124.6408234	0.006772325	0.006471217	0.000601028	0.001290663	0.000503471	0.233025283	2.18491E-06	0.000430085	0.000807109	0.002202104	0.001582713
2097 Apr	0.060366895	7.67332E-06	2.500586748	22.36128235	0.07701046	0.001541565	124.6877441	0.006774875	0.006473658	0.000601255	0.001291149	0.00050366	0.23311311	2.18574E-06	0.000430247	0.000807414	0.002202933	0.001583309
2097 May	0.060514726	7.68273E-06	2.503247738	22.38009262	0.077118933	0.001542777	124.7833328	0.006780599	0.006482669	0.000602165	0.001292206	0.000504088	0.233363792	2.18788E-06	0.000430596	0.000808601	0.002205215	0.00158445
2097 Jun	0.060838133	7.68778E-06	2.49912858	22.30626106	0.077078454	0.001537597	124.2652512	0.006760538	0.006489351	0.000601745	0.001288062	0.000502536	0.232909083	2.18543E-06	0.000429199	0.000808711	0.002202301	0.00157937
2097 Jul	0.061049934	7.71617E-06	2.508815289	22.40509033	0.077391334	0.001544202	124.8186493	0.006789024	0.006511705	0.00060433	0.001293643	0.00050468	0.23386246	2.1929E-06	0.00043105	0.000811907	0.002210973	0.001585944
2097 Aug	0.061180204	7.73524E-06	2.516224146	22.48868561	0.077639177	0.001549741	125.2943726	0.006812361	0.006525554	0.000606459	0.001298271	0.000506456	0.234628588	2.19775E-06	0.000432593	0.000814294	0.002217293	0.001591305
2097 Sep	0.061239336	7.74548E-06	2.521514177	22.55860329	0.077828176	0.001554267	125.6989059	0.006830805	0.006532147	0.000608186	0.001302028	0.000507884	0.235217795	2.20023E-06	0.000433846	0.000816032	0.002221655	0.001595489
2097 Oct	0.061215121	7.74446E-06	2.52266717	22.59011078	0.077883802	0.001556265	125.8881836	0.006837643	0.006530289	0.000608865	0.001303539	0.000508442	0.235416681	2.19928E-06	0.000434374	0.000816404	0.002222385	0.001596902
2097 Nov	0.061195817	7.74288E-06	2.522744417	22.60007286	0.077894315	0.001556891	125.9496689	0.006839458	0.006528613	0.000609055	0.001303972	0.000508597	0.235464096	2.1985E-06	0.000434533	0.000816422	0.002222328	0.001597235
2097 Dec	0.061190948	7.74248E-06	2.522800446	22.60295296	0.077898458	0.001557064	125.9673538	0.006840025	0.006528155	0.000609115	0.001304104	0.000508645	0.23547937	2.19833E-06	0.000434579	0.000816442	0.002222347	0.001597348
2098 Jan	0.061191671	7.74262E-06	2.523039103	22.60688591	0.077908158	0.001557301	125.9908218	0.00684097	0.006528198	0.000609214	0.001304306	0.000508721	0.235508785	2.19838E-06	0.000434645	0.000816525	0.002222537	0.001597554
2098 Feb	0.061192825	7.7427E-06	2.523095369	22.60760307	0.077910401	0.001557345	125.9949646	0.006841154	0.006528272	0.000609233	0.001304343	0.000508735	0.235515028	2.1984E-06	0.000434658	0.000816546	0.002222581	0.001597594
2098 Mar	0.061195374	7.74299E-06	2.523187876	22.60840797	0.077913359	0.001557401	125.9994354	0.006841398	0.006528517	0.000609256	0.001304389	0.000508753	0.235523671	2.19848E-06	0.000434673	0.000816577	0.002222661	0.00159765
2098 Apr	0.061217804	7.74471E-06	2.523747683	22.61277008	0.077933758	0.001557695	126.0226822	0.00684273	0.00653011	0.000609395	0.001304635	0.00050885	0.235576048	2.19894E-06	0.000434756	0.000816789	0.002223111	0.001597945
2098 May	0.061516605	7.75053E-06	2.523700237	22.58924675	0.07801456	0.001555894	125.8502121	0.006836446	0.00653895	0.000610052	0.001303235	0.000508364	0.235553786	2.19881E-06	0.000434287	0.00081784	0.002222811	0.001595907
2098 Jun	0.061851222	7.73704E-06	2.507759333	22.37439537	0.077646978	0.001541176	124.4199677	0.00677677	0.006529782	0.000606672	0.001291123	0.000503787	0.233889863	2.18791E-06	0.000430241	0.000814932	0.00220992	0.001581861
2098 Jul	0.062089007	7.76808E-06	2.517374277	22.46478462	0.077949986	0.001547319	124.913475	0.006803653	0.006554668	0.000609067	0.001296311	0.000505789	0.23480396	2.19602E-06	0.000431962	0.000818127	0.002218675	0.001588147
2098 Aug	0.062145896	7.78057E-06	2.523430586	22.54899216	0.078168333	0.001552801	125.3995743	0.006825706	0.006561047	0.000611095	0.001300813	0.0005075	0.235499978	2.19845E-06	0.000433471	0.000820033	0.002223611	0.001593134
2098 Sep	0.062043663	7.77421E-06	2.52448225	22.60644341	0.078243643	0.001556398	125.7505722	0.006837093	0.006552043	0.000612223	0.001303437	0.000508458	0.235805511	2.19494E-06	0.000434401	0.000820283	0.002223877	0.001595387
2098 Oct	0.061960746	7.76777E-06	2.524935484	22.6579113	0.078300461	0.001559493	126.0414734	0.00684601	0.006544624	0.000613171	0.001305573	0.000509237	0.236035436	2.19133E-06	0.000435182	0.000820429	0.002223823	0.001597136
2098 Nov	0.06193877	7.76608E-06	2.524252653	22.66260529	0.078287795	0.001559737	126.0486984	0.006845677	0.006542495	0.000613141	0.001305581	0.000509236	0.236008495	2.18995E-06	0.000435216	0.000820206	0.002223194	0.001597056
2098 Dec	0.061940715	7.76643E-06	2.524578094	22.66755486	0.07830023	0.001560043	126.0780716	0.006846899	0.006542712	0.000613264	0.001305838	0.000509333	0.236046851	2.19005E-06	0.000435301	0.000820316	0.002223459	0.001597325
2099 Jan	0.061941501	7.76657E-06	2.524772167	22.67067146	0.078308009	0.001560232	126.0966187	0.006847656	0.006542773	0.000613342	0.001305998	0.000509394	0.236070454	2.1901E-06	0.000435354	0.000820383	0.002223615	0.00159749
2099 Feb	0.061942577	7.76671E-06	2.524907589	22.6727047	0.078313366	0.001560356	126.1086578	0.006848159	0.006542854	0.000613394	0.001306104	0.000509434	0.236086428	2.19014E-06	0.000435389	0.000820431	0.002223724	0.001597601
2099 Mar	0.061950546	7.76769E-06	2.525231123	22.67565155	0.078323543	0.001560558	126.1250839	0.006849041	0.006543677	0.000613474	0.001306273	0.000509499	0.236116901	2.19041E-06	0.000435445	0.000820537	0.002224007	0.001597806
2099 Apr	0.062000457	7.772E-06	2.526682615	22.68796921	0.078374624	0.001561385	126.1920776	0.006852725	0.006547545	0.000613843	0.001306966	0.000509771	0.236254603	2.19158E-06	0.000435677	0.000821065	0.002225203	0.001598634
2099 May	0.062574282	7.77401E-06	2.521633148	22.58394814	0.07839682	0.001553887	125.446991	0.006823573	0.006556495	0.000613244	0.001300746	0.000507495	0.235691667	2.18766E-06	0.00043363	0.000821691	0.00221977	0.001591153
2099 Jun	0.062737964	7.77447E-06	2.516380787	22.51329803	0.078293838	0.001548931	124.9231644	0.006803662	0.006555336	0.00061218	0.001296701	0.000505965	0.235143483	2.18393E-06	0.000432273	0.000820995	0.002215835	0.001586695
2099 Jul	0.062942803	7.80205E-06	2.526314259	22.61957932	0.078622445	0.001555956	125.5214081	0.006833726	0.006576613	0.000614951	0.001302645	0.00050824	0.236142561	2.19109E-06	0.000434242	0.000824303	0.002224658	0.001593608
2099 Aug	0.063114412	7.82737E-06	2.53622961	22.73180962	0.07895495	0.001563418	126.159668	0.006864941	0.006594917	0.000617803	0.001308832	0.000510619	0.237169996	2.19749E-06	0.000436309	0.000827498	0.002233075	0.001600771
2099 Sep	0.063058317	7.82571E-06	2.537906647	22.78044701	0.079036966	0.001566502	126.4524002	0.006875568	0.006590278	0.000618814	0.001311178	0.000511488	0.237471625	2.19583E-06	0.000437123	0.00082796	0.002234085	0.001603004
2099 Oct	0.062998071	7.8213E-06	2.538841009	22.82188797	0.079094872	0.001569083	126.7073746	0.006883815	0.006585355	0.000619659	0.001313074	0.00051218	0.237698674	2.19368E-06	0.000437795	0.00082824	0.002234485	0.001604629
2099 Nov	0.062956348	7.81768E-06	2.539011002	22.84166336	0.079116188	0.001570282	126.8314438	0.006887396	0.006581725	0.000620046	0.001313937	0.00051249	0.237790883	2.19221E-06	0.000438104	0.000828283	0.002234409	0.001605292
2099 Dec	0.062958457	7.81801E-06	2.539244413	22.84500313	0.079124853	0.001570491	126.8511276	0.006888237	0.006581956	0.00062013	0.001314112	0.000512557	0.237817571	2.1923E-06	0.000438162	0.000828361	0.002234603	0.001605478
2100 Jan	0.062958486	7.81811E-06	2.539523602	22.84978676	0.079136349	0.001570778	126.8797989	0.006889377	0.006581939	0.000620249	0.001314356	0.000512648	0.237852648	2.19234E-06	0.000438242	0.000828459	0.002234824	0.001605727
2100 Feb	0.06295903	7.81817E-06	2.539623022	22.85137939	0.079140432	0.001570874	126.8892593	0.006889762	0.006581965	0.000620289	0.001314438	0.000512679	0.237864777	2.19237E-06	0.000438269	0.000828494	0.002234902	0.001605811
2100 Mar	0.062960915	7.81838E-06	2.539693832	22.85202599	0.079142734	0.001570918	126.8928528	0.006889954	0.006582145	0.000620307	0.001314475	0.000512693	0.237871498	2.19242E-06	0.000438281	0.000828518	0.002234964	0.001605855
2100 Apr	0.062987372	7.82166E-06	2.540756702	22.86158371	0.079175904	0.001571574	126.9459152	0.006892835	0.006584902	0.000620567	0.001315025	0.000512908	0.237971067	2.19334E-06	0.000438465	0.000828865	0.002235899	0.001606527
2100 May	0.063265316	7.83055E-06	2.544785023	22.90693283	0.079407364	0.001573958	127.1812744	0.006903192	0.00659443	0.000622849	0.001317178	0.00051376	0.238440976	2.19434E-06	0.000439165	0.000831209	0.002239102	0.001608244
2100 Jun	0.063550279	7.81956E-06	2.529763222	22.71026421	0.079050086	0.00156037	125.8432541	0.00684785	0.006585895	0.000619529	0.001305994	0.000509523	0.236866757	2.18432E-06	0.000435426	0.00082838	0.00222741	0.001595411
2100 Jul	0.063619338	7.83225E-06	2.53390646	22.76647186	0.079202622	0.001563914	126.1391373	0.006862741	0.006592729	0.000620861	0.001309082	0.000510663	0.237329066	2.18638E-06	0.000436431	0.000829924	0.002231519	0.00159894
2100 Aug	0.063619822	7.83781E-06	2.536666393	22.81403923	0.079307817	0.001567036	126.4141617	0.006874688	0.006593295	0.000621914	0.001311561	0.000511598	0.237689748	2.18662E-06	0.000437275	0.000830695	0.002233638	0.001601618
2100 Sep	0.063620403	7.8426E-06	2.540493965	22.87955093	0.079456814	0.001571202	126.7981567	0.006890592	0.006594143	0.000623427	0.001314904	0.000512861	0.238176972	2.18712E-06	0.000438405	0.000831882	0.002236622	0.001605121
2100 Oct	0.063625164	7.84533E-06	2.543442249	22.92943764	0.079573624	0.00157432	127.091568	0.006902681	0.006595061	0.000624612	0.001317462	0.000513822	0.238548264	2.18756E-06	0.000439263	0.000832873	0.002238943	0.001607802
2100 Nov	0.063633025	7.84664E-06	2.544107914	22.93885803	0.079597868	0.001574926	127.1448898	0.006905071	0.006595946	0.000624838	0.001317953	0.000514009	0.238624305	2.18784E-06	0.000439429	0.000833093	0.002239494	0.001608343
2100 Dec	0.063636236	7.84717E-06	2.544529438	22.94499588	0.079613745	0.001575306	127.1811447	0.006906611	0.006596288	0.000624993	0.001318274	0.00051413	0.238672927	2.18799E-06	0.000439535	0.000833236	0.002239841	0.001608686
2101 Jan	0.063636437	7.84738E-06	2.544983864	22.95265579	0.079632223	0.001575768	127.2269821	0.006908448	0.006596298	0.000625182	0.001318667	0.000514278	0.238729432	2.18807E-06	0.000439665	0.000833394	0.002240204	0.001609089
2101 Feb	0.063636594	7.84747E-06	2.545210361	22.95648956	0.079641543	0.001575998	127.249939	0.006909366	0.006596293	0.000625278	0.001318863	0.000514351	0.238757744	2.18811E-06	0.000439729	0.000833473	0.002240384	0.00160929
2101 Mar	0.063638084	7.84764E-06	2.54527998	22.95723343	0.07964392	0.001576046	127.254158	0.006909573	0.006596434	0.000625298	0.001318904	0.000514367	0.238764748	2.18816E-06	0.000439743	0.000833497	0.002240443	0.001609338
2101 Apr	0.063654304	7.8496E-06	2.545926094	22.96313286	0.079664394	0.001576449	127.2868958	0.006911337	0.006598081	0.000625459	0.001319242	0.000514499	0.238825768	2.1887E-06	0.000439855	0.00083371	0.002241009	0.001609747
2101 May	0.063923717	7.85689E-06	2.545629263	22.93676186	0.079718165	0.00157451	127.0840149	0.006904388	0.006607418	0.000625884	0.001317692	0.000513961	0.238756299	2.18897E-06	0.000439339	0.000834523	0.002240781	0.001607748

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.064165317	7.85463E-06	2.536986589	22.81583023	0.079526357	0.001566166	126.2415924	0.00687079	0.006605919	0.00062401	0.001310839	0.000511377	0.237830833	2.18352E-06	0.000437047	0.000833139	0.002234166	0.001599986
2101 Jul	0.06438683	7.88339E-06	2.546629667	22.91246605	0.079840302	0.001572627	126.7742691	0.006898737	0.006628639	0.000626563	0.001316297	0.000513478	0.238773108	2.19102E-06	0.000438857	0.00083638	0.002242803	0.001606491
2101 Aug	0.064576447	7.90906E-06	2.556426764	23.01799011	0.080166467	0.001579637	127.3711624	0.006928531	0.006648296	0.000629313	0.00132217	0.000515739	0.239764646	2.19783E-06	0.000440811	0.000839599	0.002251209	0.001613369
2101 Sep	0.064549126	7.91105E-06	2.5595541	23.08117867	0.080295183	0.00158368	127.7473297	0.006943348	0.006646796	0.000630709	0.001325337	0.000516926	0.240206823	2.19731E-06	0.000441895	0.000840541	0.002253484	0.001616589
2101 Oct	0.064533606	7.91208E-06	2.562937498	23.14577866	0.080435403	0.001587685	128.1344452	0.006958461	0.006646032	0.000632218	0.001328587	0.00051814	0.240663186	2.19719E-06	0.000442991	0.000841668	0.002256057	0.001619871
2101 Nov	0.064476088	7.90706E-06	2.562865496	23.16747284	0.080450498	0.001589016	128.2731628	0.006962073	0.006641269	0.000632606	0.00132949	0.000518461	0.240749806	2.19517E-06	0.000443325	0.000841606	0.002255712	0.001620496
2101 Dec	0.064474896	7.907E-06	2.56291151	23.16981316	0.08045245	0.00158918	128.2879486	0.00696248	0.006641355	0.000632649	0.001329582	0.000518496	0.2407621	2.19507E-06	0.000443363	0.000841608	0.002255731	0.001620553
2102 Jan	0.064475097	7.90708E-06	2.563124895	23.17346001	0.080461271	0.001589399	128.3097992	0.006963349	0.006641351	0.000632739	0.001329768	0.000518566	0.240788922	2.1951E-06	0.000443424	0.000841683	0.0022559	0.001620743
2102 Feb	0.064476319	7.90718E-06	2.563172102	23.17399597	0.080463096	0.001589432	128.3128357	0.00696349	0.006641433	0.000632754	0.001329797	0.000518576	0.240793899	2.19512E-06	0.000443434	0.000841701	0.002255938	0.001620774
2102 Mar	0.064478941	7.90747E-06	2.563276529	23.17500877	0.080466576	0.0015895	128.318512	0.006963783	0.006641679	0.000632782	0.001329853	0.000518598	0.240804076	2.19521E-06	0.000443453	0.000841736	0.002256027	0.001620841
2102 Apr	0.064491242	7.90896E-06	2.563759565	23.17936325	0.08048179	0.001589798	128.3426208	0.006965092	0.006642933	0.000632902	0.001330103	0.000518696	0.240849435	2.19562E-06	0.000443536	0.000841895	0.002256451	0.001621145
2102 May	0.064550094	7.91615E-06	2.566094637	23.20051003	0.08055529	0.001591248	128.4596558	0.006971444	0.006648967	0.00063348	0.001331316	0.000519169	0.241069123	2.19761E-06	0.00044394	0.000842664	0.002258505	0.001622624
2102 Jun	0.064458758	7.91036E-06	2.55641675	23.11497879	0.080249377	0.001585043	127.9105835	0.00694528	0.006639357	0.000631036	0.001326683	0.00051716	0.240139112	2.19119E-06	0.000442288	0.000840426	0.002254454	0.001616286
2102 Jul	0.064532623	7.92295E-06	2.553878307	23.07854652	0.080152236	0.001582639	127.6214142	0.006936012	0.006646343	0.000629964	0.00132488	0.000516388	0.239827454	2.19129E-06	0.000441648	0.000840022	0.002254672	0.001614349
2102 Aug	0.064657755	7.94135E-06	2.560261965	23.14733887	0.080361485	0.001587306	128.0075226	0.006955604	0.006659559	0.000631713	0.001328716	0.000517867	0.240478024	2.19569E-06	0.000442936	0.000842048	0.00226013	0.001618878
2102 Sep	0.064690031	7.94803E-06	2.562705755	23.1791935	0.080443874	0.001589518	128.188385	0.006964175	0.006663616	0.000632446	0.001330424	0.000518521	0.2407538	2.19682E-06	0.000443526	0.000842775	0.002262098	0.001620824
2102 Oct	0.064575188	7.93684E-06	2.559505463	23.16685486	0.080350466	0.001588785	128.128891	0.006958566	0.006653524	0.000631875	0.001329465	0.000518125	0.240532205	2.19249E-06	0.000443262	0.000841627	0.002258958	0.001619381
2102 Nov	0.064582802	7.93826E-06	2.560681581	23.18491173	0.08039505	0.001589916	128.2358398	0.006963018	0.006654445	0.000632319	0.001330397	0.000518477	0.240672067	2.19286E-06	0.000443574	0.00084202	0.002259914	0.001620361
2102 Dec	0.06458436	7.93865E-06	2.561149359	23.19234467	0.080413401	0.001590369	128.2801208	0.006964833	0.006654618	0.000632503	0.001330781	0.000518622	0.240728438	2.19298E-06	0.000443701	0.00084218	0.002260293	0.001620762
2103 Jan	0.064585157	7.93873E-06	2.561197758	23.19298172	0.080415234	0.001590409	128.2838287	0.006964996	0.006654684	0.00063252	0.001330815	0.000518635	0.240733817	2.193E-06	0.000443712	0.000842197	0.002260333	0.001620798
2103 Feb	0.064586967	7.93892E-06	2.561258078	23.19350624	0.080417223	0.001590444	128.2866974	0.006965154	0.006654846	0.000632535	0.001330845	0.000518646	0.24073948	2.19305E-06	0.000443722	0.000842218	0.002260385	0.001620834
2103 Mar	0.064590439	7.93932E-06	2.561389685	23.19468307	0.080421411	0.001590525	128.2931976	0.006965508	0.00665519	0.000632568	0.001330912	0.000518673	0.240751833	2.19316E-06	0.000443745	0.000842262	0.0022605	0.001620916
2103 Apr	0.064607523	7.94141E-06	2.562063456	23.20078087	0.080442593	0.001590943	128.3269043	0.006967339	0.006656942	0.000632734	0.001331262	0.000518809	0.240815178	2.19374E-06	0.000443861	0.000842484	0.002261094	0.001621342
2103 May	0.064836942	7.95071E-06	2.567929983	23.27850723	0.080729716	0.001595378	128.7626343	0.006985793	0.006665605	0.00063558	0.001335133	0.000520301	0.241505921	2.19532E-06	0.00044513	0.000845249	0.002265808	0.001624991
2103 Jun	0.065152064	7.94254E-06	2.559329987	23.18400574	0.080634139	0.001587944	128.0527496	0.006955218	0.006658564	0.000634972	0.001329223	0.000518051	0.240715817	2.18672E-06	0.000443124	0.000844699	0.002259181	0.001617461
2103 Jul	0.065265976	7.95973E-06	2.563144445	23.22421646	0.080759794	0.001590614	128.2425537	0.006966867	0.006669713	0.000635935	0.001331522	0.00051891	0.241094172	2.18976E-06	0.000443879	0.000846065	0.002263157	0.001620321
2103 Aug	0.065325454	7.97087E-06	2.56698966	23.28029633	0.080894619	0.001594249	128.5664978	0.006981402	0.006675588	0.000637278	0.001334481	0.000520031	0.2415483	2.1914E-06	0.000444885	0.000847141	0.002266434	0.001623519
2103 Sep	0.065297641	7.97184E-06	2.569263697	23.33163261	0.08099179	0.001597553	128.8668976	0.006993085	0.006674103	0.000638362	0.001336998	0.00052097	0.241891697	2.19056E-06	0.00044576	0.000847829	0.002268015	0.001626086
2103 Oct	0.065212607	7.96404E-06	2.5648911	23.30381203	0.080852717	0.001595836	128.6646271	0.006982614	0.006666819	0.000637262	0.001334987	0.000520198	0.241519049	2.18611E-06	0.000445184	0.000846287	0.002264148	0.00162373
2103 Nov	0.065196998	7.96282E-06	2.563994884	23.29996109	0.080825157	0.0015956	128.627655	0.006980666	0.006665575	0.000637051	0.00133462	0.000520059	0.241447553	2.1851E-06	0.000445089	0.000845968	0.002263366	0.0016233
2103 Dec	0.065197729	7.9631E-06	2.564412594	23.30681229	0.080841765	0.001596016	128.6686096	0.006982323	0.006665667	0.000637221	0.001334973	0.000520192	0.241498739	2.18519E-06	0.000445205	0.000846111	0.002263702	0.001623666
2104 Jan	0.065198265	7.96314E-06	2.56444025	23.30719566	0.080842882	0.00159604	128.6708374	0.006982418	0.006665702	0.000637231	0.001334992	0.000520199	0.241501927	2.1852E-06	0.000445212	0.000846121	0.002263724	0.001623686
2104 Feb	0.065199219	7.96321E-06	2.564463377	23.30737686	0.080843732	0.001596052	128.6718292	0.006982473	0.006665769	0.000637237	0.001335002	0.000520203	0.241504103	2.18522E-06	0.000445215	0.00084613	0.002263742	0.001623698
2104 Mar	0.065202974	7.96364E-06	2.564603567	23.30863571	0.080848217	0.001596138	128.6787415	0.00698285	0.006666136	0.000637272	0.001335074	0.000520231	0.24151729	2.18534E-06	0.000445239	0.000846177	0.002263865	0.001623786
2104 Apr	0.065230198	7.96696E-06	2.565671206	23.31834221	0.080881923	0.001596802	128.7323303	0.006985757	0.006668911	0.000637537	0.00133563	0.000520448	0.241617888	2.18625E-06	0.000445425	0.000846529	0.002264807	0.001624461
2104 May	0.065553308	7.97624E-06	2.567265511	23.32024002	0.081027463	0.001596478	128.690979	0.006985396	0.006679881	0.000638899	0.001335485	0.000520447	0.241780132	2.18684E-06	0.000445368	0.000848194	0.002266082	0.001623812
2104 Jun	0.065770395	7.96639E-06	2.554648399	23.15436745	0.08072146	0.001585088	127.5644455	0.006939106	0.006671679	0.000636008	0.001326101	0.000516897	0.240453929	2.17843E-06	0.000442232	0.000845722	0.00225608	0.001613212
2104 Jul	0.06593018	7.98815E-06	2.561068058	23.21940613	0.080930792	0.001589453	127.9133682	0.006958041	0.006687765	0.000637697	0.001329807	0.00051831	0.241086751	2.18343E-06	0.000443459	0.000847905	0.002262054	0.001617659
2104 Aug	0.066033199	8.00429E-06	2.567059994	23.28938484	0.081133097	0.001594129	128.3093109	0.006977436	0.006698582	0.000639449	0.001333656	0.000519786	0.241720334	2.18707E-06	0.00044475	0.000849803	0.002267122	0.001622125
2104 Sep	0.065981939	8.00298E-06	2.567837715	23.31916046	0.08117263	0.001596104	128.4903412	0.006983803	0.006694814	0.000639992	0.001335064	0.000520308	0.241893813	2.18562E-06	0.000445254	0.000849921	0.002267435	0.001623469
2104 Oct	0.065911382	7.99704E-06	2.566446543	23.32616043	0.081137419	0.001596609	128.5337067	0.006983289	0.006689441	0.000639913	0.001335106	0.000520305	0.241845369	2.18278E-06	0.000445329	0.000849362	0.002265945	0.001623197
2104 Nov	0.06590306	7.99651E-06	2.565905094	23.32390213	0.081119776	0.001596494	128.5120087	0.006982116	0.006688954	0.000639779	0.001334881	0.00052022	0.241802856	2.18217E-06	0.000445275	0.000849158	0.002265467	0.001622928
2104 Dec	0.065904289	7.99682E-06	2.566296816	23.33015633	0.081135161	0.001596875	128.5492706	0.006983641	0.006689093	0.000639934	0.001335204	0.000520342	0.241850182	2.18227E-06	0.000445381	0.000849292	0.002265784	0.001623266
2105 Jan	0.065904185	7.99688E-06	2.566497087	23.33361626	0.081143439	0.001597083	128.5700531	0.006984463	0.00668907	0.00064002	0.00133538	0.000520408	0.24187544	2.1823E-06	0.00044544	0.000849362	0.002265942	0.001623447
2105 Feb	0.065905131	7.99697E-06	2.566536188	23.33405685	0.081144899	0.001597111	128.5725555	0.006984582	0.006689141	0.000640032	0.001335404	0.000520417	0.241879553	2.18232E-06	0.000445447	0.000849376	0.002265974	0.001623473
2105 Mar	0.065906562	7.99713E-06	2.566587448	23.33452606	0.08114659	0.001597142	128.5751343	0.00698472	0.006689273	0.000640045	0.001335431	0.000520427	0.24188444	2.18236E-06	0.000445456	0.000849394	0.002266019	0.001623505
2105 Apr	0.065921694	7.99895E-06	2.567173481	23.33984947	0.08116515	0.001597507	128.6044617	0.006986313	0.006690802	0.000640191	0.001335735	0.000520546	0.241939664	2.18286E-06	0.000445558	0.000849588	0.002266536	0.001623875
2105 May	0.066168636	8.0061E-06	2.56873703	23.34759903	0.081292793	0.001597636	128.6095886	0.00698757	0.006698877	0.000641397	0.001335954	0.000520668	0.242110759	2.18326E-06	0.000445622	0.000850998	0.002267759	0.001623733
2105 Jun	0.066437662	8.01221E-06	2.566049576	23.2953186	0.081281498	0.001593908	128.2134857	0.006973274	0.006705192	0.000641172	0.001332954	0.000519564	0.241800681	2.18175E-06	0.000444614	0.000851261	0.002265837	0.001620267
2105 Jul	0.066595532	8.03388E-06	2.573593616	23.37748146	0.081533425	0.001599362	128.6747131	0.006996569	0.006721111	0.00064331	0.001337559	0.000521323	0.242571458	2.18698E-06	0.000446144	0.000853757	0.002272486	0.001625651
2105 Aug	0.066560715	8.03674E-06	2.576357126	23.43634605	0.081648335	0.001603095	129.0238037	0.007010615	0.006718308	0.000644581	0.001340559	0.000522442	0.242977902	2.18629E-06	0.00044716	0.00085449	0.002274497	0.001628784
2105 Sep	0.066458307	8.03186E-06	2.576494694	23.48055649	0.081685528	0.001605783	129.2627411	0.00701821	0.006709575	0.000645255	0.001342367	0.000523111	0.243156284	2.18283E-06	0.000447825	0.000854379	0.002274187	0.001630464
2105 Oct	0.066387482	8.02698E-06	2.575554371	23.50138855	0.081678614	0.001606972	129.352417	0.007020216	0.006703441	0.00064542	0.001342977	0.000523327	0.243172765	2.17975E-06	0.000448087	0.000854041	0.002273165	0.001630965
2105 Nov	0.066365063	8.02514E-06	2.574533939	23.49743843	0.081647806	0.001606718	129.3152008	0.007018109	0.006701597	0.000645192	0.00134259	0.000523179	0.243093178	2.17855E-06	0.000447986	0.000853677	0.002272262	0.001630504
2105 Dec	0.066365518	8.02531E-06	2.574782848	23.50153923	0.081657685	0.001606967	129.3397217	0.007019098	0.006701658	0.000645293	0.0013428	0.000523258	0.243123755	2.17861E-06	0.000448056	0.000853762	0.002272462	0.001630723
2106 Jan	0.066365972	8.02534E-06	2.574806452	23.50187111	0.081658646	0.001606988	129.3416748	0.007019179	0.006701685	0.000645302	0.001342817	0.000523264	0.243126482	2.17861E-06	0.000448062	0.000853771	0.00227248	0.00163074
2106 Feb	0.066366613	8.02537E-06	2.574819088	23.50197601	0.08165919	0.001606994	129.3422241	0.007019209	0.00670172	0.000645305	0.001342823	0.000523266	0.243127748	2.17862E-06	0.000448063	0.000853776	0.00227249	0.001630746
2106 Mar	0.066368617	8.02559E-06	2.574888945	23.50259781	0.081661478	0.001607037	129.3456268	0.007019395	0.006701905	0.000645323	0.001342858	0.00052328	0.24313435	2.17868E-06	0.000448075	0.0008538	0.002272551	0.001630789
2106 Apr	0.066388682	8.028E-06	2.57566309	23.509655	0.081686072	0.001607519	129.3844604	0.007021503	0.006703922	0.000645517	0.001343261	0.000523437	0.24320744	2.17934E-06	0.00044821	0.000854057	0.002273233	0.001631278
2106 May	0.066525795	8.03667E-06	2.578980207	23.54346657	0.081825219	0.001609588	129.5692749	0.007030489	0.006711879	0.000646778	0.001345046	0.000524136	0.243552834	2.1813E-06	0.000448799	0.000855478	0.002276028	0.001633139
2106 Jun	0.066777967	8.02991E-06	2.566982269	23.39071274	0.08154884	0.001598811	128.523407	0.006986694	0.006706622	0.000644296	0.001336327	0.000520793	0.242306739	2.17329E-06	0.000445856	0.000853461	0.002267502	0.001622822
2106 Jul	0.066951372	8.05439E-06	2.572937727	23.45157433	0.081743829	0.001602846	128.8255463	0.007004302	0.006723796	0.000645824	0.001339802	0.000522098	0.24288933	2.17816E-06	0.000446997	0.000855601	0.002273606	0.001627041
2106 Aug	0.066964373	8.06236E-06	2.577045441	23.52084923	0.081898183	0.001607293	129.2321777	0.007021604	0.006725688	0.000647408	0.001343405	0.000523454	0.243413687	2.17889E-06	0.000448216	0.00085676	0.002276876	0.001630903
2106 Sep	0.066880673	8.05992E-06	2.579211473	23.58565331	0.082000501	0.001611373	129.6224976	0.007035443	0.006719372	0.000648708	0.001346466	0.000524597	0.243802294	2.17679E-06	0.000449282	0.000857272	0.002278194	0.001633848
2106 Oct	0.066867277	8.0611E-06	2.58180809	23.63910866	0.082110189	0.001614672	129.9306641	0.007047504	0.006718848	0.000649896	0.00134907	0.000525574	0.244162098	2.17649E-06	0.000450173	0.000858128	0.002280179	0.001636535
2106 Nov	0.066877827	8.06262E-06	2.582690239	23.65093231	0.082142293	0.001615417	129.9994812	0.007050551	0.006719939	0.000650196	0.001349696	0.000525812	0.244259953	2.17691E-06	0.00045038	0.000858426	0.002280918	0.001637222
2106 Dec	0.066878788	8.06287E-06	2.582994699	23.65578461	0.082154252	0.001615713	130.0283966	0.007051735	0.006720047	0.000650317	0.001349947	0.000525906	0.244296715	2.17699E-06	0.000450463	0.00085853	0.002281164	0.001637485
2107 Jan	0.066879228	8.06291E-06	2.583024502	23.65620041	0.082155406	0.001615739	130.030838	0.007051839	0.006720081	0.000650327	0.001349968	0.000525914	0.244300112	2.177E-06	0.00045047	0.000858541	0.002281188	0.001637508
2107 Feb	0.066880666	8.06306E-06	2.583081484	23.65678215	0.082157381	0.001615777	130.0340881	0.007052003	0.006720209	0.000650343	0.00135	0.000525927	0.244305789	2.17704E-06	0.000450481	0.00085856	0.002281237	0.001637545
2107 Mar	0.066885069	8.06358E-06	2.583251953	23.65837097	0.082162872	0.001615885	130.0428467	0.007052472	0.006720641	0.000650387	0.00135009	0.000525962	0.244322032	2.17718E-06	0.000450511	0.000858618	0.002281386	0.001637654
2107 Apr	0.066895165	8.06479E-06	2.583640575	23.66193581	0.08217527	0.001616128	130.062439	0.007053534	0.00672165	0.000650485	0.001350294	0.000526041	0.244358853	2.1775E-06	0.000450579	0.000858747	0.002281729	0.0016379
2107 May	0.067033567	8.06842E-06	2.582993031	23.64092827	0.082185693	0.00161467	129.9080963	0.007048135	0.006726124	0.000650515	0.001349109	0.000525619	0.244265482	2.17744E-06	0.000450185	0.000859015	0.002281202	0.001636513
2107 Jun	0.067347661	8.07237E-06	2.577099085	23.53944397	0.082074635	0.001607756	129.2085114	0.007021076	0.006732074	0.000649335	0.001343466	0.000523516	0.24358736	2.17463E-06	0.000448297	0.000858485	0.002276807	0.001630039
2107 Jul	0.067466453	8.08987E-06	2.583334208	23.61320877	0.082288057	0.001612581	129.6260529	0.00704147	0.006744025	0.000651216	0.001347561	0.000525065	0.24424921	2.1785E-06	0.000449654	0.000860555	0.002282381	0.001634722
2107 Aug	0.067618296	8.11074E-06	2.591310501	23.70364761	0.082558356	0.001618539	130.1382599	0.007066515	0.006759372	0.000653557	0.001352535	0.000526974	0.245076284	2.18368E-06	0.000451313	0.000863164	0.002289226	0.001640475
2107 Sep	0.067656703	8.11914E-06	2.596778154	23.78530693	0.082761437	0.001623778	130.6168976	0.007087132	0.006764272	0.000655521	0.001356809	0.00052859	0.245723665	2.18544E-06	0.000452752	0.000864953	0.00229362	0.001645121
2107 Oct	0.067604817	8.11603E-06	2.598228455	23.82816124	0.082831852	0.00162644	130.8813171	0.007096294	0.006760461	0.000656424	0.001358859	0.000529345	0.245982572	2.18406E-06	0.000453461	0.000865389	0.002294501	0.001647067
2107 Nov	0.067586429	8.11453E-06	2.598041296	23.83207893	0.082828358	0.001626709	130.9081421	0.007096753	0.006759176	0.000656462	0.001358992	0.00052939	0.245989069	2.18342E-06	0.00045352	0.000865296	0.002294249	0.00164712
2107 Dec	0.067586519	8.11483E-06	2.598626137	23.84190178	0.082851902	0.001627302	130.9669952	0.007099114	0.006759208	0.000656704	0.001359496	0.000529579	0.246061593	2.18352E-06	0.000453686	0.000865497	0.002294717	0.001647644
2108 Jan	0.067586914	8.11494E-06	2.598815203	23.84501648	0.082859546	0.001627491	130.985611	0.007099865	0.006759238	0.000656781	0.001359656	0.00052964	0.246084854	2.18356E-06	0.000453739	0.000865563	0.002294868	0.00164781
2108 Feb	0.067587622	8.115E-06	2.598865747	23.84572029	0.082861543	0.001627534	130.9897308	0.007100042	0.006759285	0.0006568	0.001359693	0.000529653	0.246090636	2.18358E-06	0.000453751	0.000865581	0.002294909	0.001647849
2108 Mar	0.067592673	8.11559E-06	2.599056005	23.84747314	0.082867689	0.001627653	130.9993744	0.007100562	0.006759777	0.000656848	0.001359793	0.000529692	0.246108741	2.18374E-06	0.000453784	0.000865645	0.002295076	0.00164797
2108 Apr	0.067632154	8.12025E-06	2.600547552	23.86110115	0.082915492	0.001628583	131.0741119	0.007104622	0.006763666	0.000657225	0.001360569	0.000529995	0.246249989	2.18499E-06	0.000454044	0.000866144	0.002296389	0.001648911

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.067729704	8.13032E-06	2.603816271	23.89075661	0.083025657	0.001630582	131.2359772	0.007113389	0.006772212	0.000658096	0.001362247	0.000530649	0.246562794	2.18762E-06	0.000454603	0.000867291	0.002299222	0.001650914
2108 Jun	0.067858413	8.13203E-06	2.59807086	23.81082344	0.082864985	0.001625168	130.7429504	0.007092068	0.006774648	0.000656722	0.001358094	0.000528972	0.245945677	2.18501E-06	0.000453159	0.000866401	0.002296524	0.001645493
2108 Jul	0.068076499	8.16052E-06	2.606805086	23.8987484	0.083150595	0.001631037	131.2250519	0.007117534	0.006796709	0.000659061	0.001363109	0.000530878	0.246803567	2.19188E-06	0.000454811	0.00086944	0.002304776	0.00165137
2108 Aug	0.068296753	8.18939E-06	2.617269516	24.00956535	0.083498642	0.001638426	131.8468018	0.00714892	0.006818966	0.000661979	0.001369273	0.000533255	0.247856453	2.19932E-06	0.000456867	0.000872898	0.002313822	0.00165862
2108 Sep	0.068321094	8.19592E-06	2.62147665	24.07264137	0.083655581	0.001642483	132.2152863	0.007164965	0.006822174	0.000663485	0.001372597	0.000534511	0.248357356	2.20059E-06	0.000457982	0.000874266	0.002317177	0.001662277
2108 Oct	0.068182416	8.18289E-06	2.618034363	24.06256485	0.083551526	0.001641929	132.1777954	0.007159416	0.006811024	0.000662889	0.001371681	0.000534128	0.248128787	2.19578E-06	0.00045775	0.000872959	0.002313744	0.001660803
2108 Nov	0.0681739	8.18243E-06	2.618123055	24.06834221	0.083556011	0.001642331	132.2144928	0.007160484	0.006810723	0.000662985	0.001371924	0.000534218	0.248158291	2.19544E-06	0.000457846	0.000872956	0.002313748	0.001660993
2108 Dec	0.068174914	8.18276E-06	2.618574142	24.07564545	0.083573855	0.001642775	132.2580872	0.007162258	0.006810843	0.000663166	0.001372301	0.00053436	0.248213187	2.19555E-06	0.00045797	0.000873111	0.002314112	0.001661389
2109 Jan	0.068175487	8.18281E-06	2.618615866	24.07623863	0.083575487	0.001642812	132.2615814	0.007162405	0.006810886	0.000663181	0.001372332	0.000534371	0.248217985	2.19557E-06	0.000457981	0.000873125	0.002314145	0.001661421
2109 Feb	0.068176761	8.18293E-06	2.618655682	24.07659912	0.083576873	0.001642836	132.2635345	0.00716251	0.006810989	0.000663192	0.001372352	0.000534379	0.24822183	2.1956E-06	0.000457987	0.00087314	0.002314179	0.001661445
2109 Mar	0.068182297	8.18358E-06	2.618862391	24.0784874	0.083583534	0.001642965	132.2738953	0.007163072	0.006811528	0.000663244	0.001372459	0.000534421	0.24824141	2.19577E-06	0.000458023	0.000873209	0.002314361	0.001661575
2109 Apr	0.068208806	8.18674E-06	2.619874477	24.08778191	0.083615877	0.001643598	132.3249207	0.007165838	0.006814164	0.000663501	0.001372989	0.000534627	0.248337343	2.19662E-06	0.0004582	0.000873547	0.002315254	0.001662216
2109 May	0.068423674	8.19298E-06	2.620271206	24.07417679	0.08368057	0.001642573	132.2172852	0.007162577	0.00682183	0.00066405	0.001372216	0.00053437	0.248355061	2.19708E-06	0.000457938	0.000874396	0.002315521	0.001661116
2109 Jun	0.068773039	8.2032E-06	2.619456291	24.03347397	0.083736695	0.001639693	131.917038	0.007152386	0.006833643	0.000664459	0.001369983	0.000533566	0.248224065	2.19715E-06	0.00045718	0.000875398	0.002315087	0.001658282
2109 Jul	0.068877593	8.22008E-06	2.626662731	24.12848473	0.083993994	0.001645767	132.463913	0.007177629	0.006844169	0.000666841	0.001375146	0.000535511	0.249026656	2.20077E-06	0.000458889	0.000877791	0.002321392	0.001664044
2109 Aug	0.068997465	8.23808E-06	2.634348392	24.22805595	0.084264398	0.001652157	133.0384979	0.007203953	0.006856147	0.000669356	0.001380487	0.000537544	0.249872684	2.20486E-06	0.000460673	0.000880245	0.002327938	0.001669999
2109 Sep	0.068953432	8.23859E-06	2.638179302	24.30643463	0.084424563	0.001657081	133.5088043	0.007222264	0.006853405	0.000671102	0.001384431	0.000539014	0.250414044	2.20418E-06	0.00046201	0.000881451	0.002330711	0.00167409
2109 Oct	0.068809733	8.22611E-06	2.634734869	24.30686951	0.084330268	0.001657058	133.4990387	0.00721797	0.006841662	0.000670618	0.001383829	0.000538757	0.250209957	2.19877E-06	0.000461902	0.000880165	0.002327343	0.00167305
2109 Nov	0.068813466	8.22715E-06	2.635440111	24.31994438	0.084358081	0.001657879	133.5714111	0.007220931	0.006842271	0.000670906	0.001384456	0.000538995	0.250300705	2.19884E-06	0.00046212	0.000880394	0.002327914	0.001673719
2109 Dec	0.068814799	8.22754E-06	2.635962009	24.32834244	0.084378667	0.00165839	133.6215057	0.007222975	0.006842425	0.000671114	0.001384889	0.000539158	0.250363976	2.19897E-06	0.000462263	0.000880572	0.002328336	0.001674175
2110 Jan	0.068815924	8.22768E-06	2.636054039	24.32961464	0.084382147	0.001658469	133.6289673	0.007223297	0.006842525	0.000671147	0.001384956	0.000539183	0.250374407	2.19901E-06	0.000462285	0.000880604	0.002328412	0.001674247
2110 Feb	0.068817496	8.22784E-06	2.636113882	24.33021355	0.084384225	0.001658508	133.6323242	0.007223467	0.00684266	0.000671163	0.001384989	0.000539196	0.250380337	2.19905E-06	0.000462296	0.000880625	0.002328462	0.001674286
2110 Mar	0.068821482	8.2283E-06	2.636260748	24.33156013	0.084388986	0.0016586	133.6396942	0.007223867	0.006843044	0.000671201	0.001385066	0.000539226	0.250394315	2.19918E-06	0.000462321	0.000880675	0.002328592	0.001674378
2110 Apr	0.068837635	8.23022E-06	2.636876345	24.3372345	0.084408715	0.001658987	133.6708374	0.007225551	0.006844644	0.000671358	0.001385389	0.000539351	0.250452787	2.19969E-06	0.000462429	0.000880881	0.002329135	0.001674768
2110 May	0.068934746	8.23678E-06	2.640469074	24.38344574	0.084560774	0.001661768	133.9318085	0.007237133	0.006849962	0.000672804	0.001387778	0.000540268	0.250856787	2.20117E-06	0.000463216	0.000882338	0.002332102	0.001677271
2110 Jun	0.069215201	8.23105E-06	2.636264086	24.35756111	0.08461456	0.001658593	133.6569519	0.007223819	0.006844014	0.000673723	0.001385529	0.000539384	0.250578552	2.19429E-06	0.000462408	0.000883091	0.002329215	0.001673671
2110 Jul	0.069356889	8.25092E-06	2.641744375	24.41526413	0.084795348	0.001662433	133.9641876	0.007240432	0.006858143	0.000675206	0.001388819	0.000540623	0.251128078	2.19846E-06	0.000463492	0.000885001	0.002334552	0.001677564
2110 Aug	0.069224797	8.24404E-06	2.637464523	24.39992523	0.084663793	0.001661291	133.8449402	0.007233067	0.006845297	0.000674324	0.001387506	0.000540107	0.250811368	2.19338E-06	0.000463114	0.000883167	0.002330799	0.001675965
2110 Sep	0.069092654	8.23576E-06	2.634424686	24.40539169	0.08458475	0.001661554	133.8292694	0.007230008	0.006834139	0.000673867	0.001387115	0.000539947	0.250640273	2.18831E-06	0.000463076	0.000881975	0.00232788	0.001675454
2110 Oct	0.068990916	8.22689E-06	2.629116774	24.36980247	0.084409922	0.001659341	133.5686646	0.007216793	0.006826157	0.000672446	0.001384552	0.000538972	0.250171095	2.18328E-06	0.000462337	0.000880061	0.002323252	0.001672572
2110 Nov	0.068961062	8.22451E-06	2.628285408	24.36968422	0.084387563	0.001659302	133.5569153	0.007215634	0.006823647	0.0006723	0.001384376	0.000538901	0.25011766	2.18204E-06	0.000462301	0.000879762	0.002322478	0.001672344
2110 Dec	0.068961725	8.22484E-06	2.62881279	24.37838173	0.084408574	0.001659829	133.6089478	0.007217735	0.00682374	0.000672525	0.001384823	0.000539069	0.25018242	2.18216E-06	0.000462448	0.000879943	0.002322902	0.001672813
2111 Jan	0.068962015	8.22494E-06	2.628994942	24.38141632	0.084415972	0.001660012	133.627121	0.007218463	0.006823757	0.0006726	0.001384978	0.000539128	0.250204951	2.18219E-06	0.0004625	0.000880006	0.002323047	0.001672975
2111 Feb	0.068962596	8.22498E-06	2.629047871	24.38221169	0.084418155	0.00166006	133.6318054	0.007218658	0.006823788	0.000672621	0.001385019	0.000539143	0.250211269	2.1822E-06	0.000462513	0.000880025	0.002323088	0.001673018
2111 Mar	0.068970375	8.22589E-06	2.629340887	24.3849411	0.084427655	0.001660246	133.6468048	0.007219463	0.006824542	0.000672697	0.001385174	0.000539203	0.250239253	2.18244E-06	0.000462565	0.000880124	0.002323346	0.001673204
2111 Apr	0.068999983	8.22941E-06	2.630465746	24.39536285	0.084463812	0.001660955	133.7039032	0.007222549	0.006827462	0.000672984	0.001385766	0.000539434	0.250346303	2.18338E-06	0.000462762	0.000880501	0.002324339	0.001673919
2111 May	0.069182761	8.23775E-06	2.631618023	24.39169884	0.084532999	0.001660658	133.6528473	0.007222159	0.006836271	0.000673519	0.001385557	0.00053939	0.250428081	2.18474E-06	0.000462693	0.000881373	0.002325378	0.001673624
2111 Jun	0.069558948	8.23712E-06	2.622709751	24.24948502	0.084354684	0.001650897	132.6974335	0.007183584	0.00683995	0.000671779	0.001377592	0.000536415	0.249435455	2.17986E-06	0.000460027	0.000880298	0.002318446	0.001664322
2111 Jul	0.069789633	8.26671E-06	2.633102655	24.36060143	0.084703535	0.001658223	133.3189087	0.00721488	0.006862884	0.000674731	0.001383788	0.000538785	0.250483483	2.1873E-06	0.00046208	0.000883843	0.002327765	0.00167152
2111 Aug	0.069731615	8.26756E-06	2.634902477	24.4103756	0.084781602	0.001661372	133.6219025	0.007226247	0.006858307	0.000675725	0.001386258	0.000539701	0.25079605	2.18598E-06	0.000462928	0.000884158	0.002328956	0.001674027
2111 Sep	0.069698222	8.27048E-06	2.639808893	24.50237274	0.084976822	0.00166714	134.1752319	0.007247938	0.006856796	0.000677818	0.001390886	0.000541444	0.251448929	2.18602E-06	0.000464492	0.000885631	0.002332679	0.001678817
2111 Oct	0.069596812	8.2623E-06	2.637115479	24.4995327	0.08490286	0.001666873	134.1312408	0.007243991	0.006848203	0.000677349	0.001390266	0.000541192	0.251270264	2.18212E-06	0.000464347	0.000884662	0.002330144	0.00167804
2111 Nov	0.069542691	8.25773E-06	2.635247231	24.49383926	0.084847204	0.001666471	134.0780334	0.007240448	0.006843802	0.000676962	0.001389642	0.00054095	0.251129538	2.17981E-06	0.000464185	0.000883984	0.002328459	0.001677285
2111 Dec	0.069543287	8.25806E-06	2.635762453	24.5025425	0.084867716	0.001667001	134.1298981	0.007242525	0.006843918	0.000677174	0.001390085	0.000541116	0.251193464	2.17991E-06	0.000464332	0.000884159	0.002328872	0.001677747
2112 Jan	0.069543548	8.25815E-06	2.635963202	24.50590706	0.084875904	0.001667204	134.1500549	0.007243332	0.006843929	0.000677257	0.001390257	0.000541181	0.251218408	2.17994E-06	0.000464389	0.000884229	0.002329031	0.001677926
2112 Feb	0.069544822	8.25832E-06	2.636134863	24.50850296	0.084882692	0.001667362	134.1654205	0.007243972	0.006844027	0.000677323	0.001390391	0.000541232	0.251238704	2.17999E-06	0.000464433	0.000884289	0.00232917	0.00167807
2112 Mar	0.06955383	8.25941E-06	2.636546373	24.51288986	0.084896639	0.00166765	134.1901093	0.007245198	0.006844898	0.000677441	0.001390633	0.000541325	0.251280129	2.18028E-06	0.000464514	0.000884428	0.002329525	0.001678351
2112 Apr	0.069579624	8.26246E-06	2.637540579	24.52228546	0.08492887	0.001668287	134.2417145	0.007247955	0.006847426	0.0006777	0.001391164	0.000541532	0.251375496	2.18109E-06	0.000464691	0.000884763	0.002330401	0.001678989
2112 May	0.069807336	8.27033E-06	2.639853239	24.54112816	0.085073389	0.00166915	134.3171692	0.00725215	0.006855849	0.000679061	0.001391989	0.000541881	0.25162518	2.182E-06	0.000464957	0.000886306	0.002332282	0.001679581
2112 Jun	0.07004302	8.24792E-06	2.620369673	24.29552269	0.084587887	0.001652148	132.6929169	0.007182805	0.006838249	0.000674668	0.001378069	0.00053659	0.249604002	2.16862E-06	0.000460288	0.000882262	0.002316816	0.001663552
2112 Jul	0.070135683	8.26351E-06	2.624705553	24.3520813	0.084742926	0.001655708	132.9886627	0.007197868	0.00684758	0.000676022	0.001381199	0.000537735	0.250075549	2.1712E-06	0.000461302	0.000883909	0.002321461	0.00166712
2112 Aug	0.070281491	8.2854E-06	2.634998322	24.48232269	0.085108183	0.001664103	133.7375946	0.007232458	0.006862453	0.000679328	0.00138821	0.000540411	0.25119552	2.17663E-06	0.000463635	0.000887318	0.002330106	0.001675046
2112 Sep	0.070268326	8.29062E-06	2.642689228	24.61399651	0.085413381	0.001672241	134.5248108	0.0072643	0.006862494	0.000682465	0.001394976	0.000542954	0.252166539	2.17771E-06	0.000465887	0.00088984	0.002336134	0.001682208
2112 Oct	0.070224218	8.28965E-06	2.64689827	24.69816399	0.085591167	0.001677378	135.035675	0.007283806	0.006859402	0.000684416	0.001399209	0.000544532	0.252745986	2.17727E-06	0.000467303	0.000891234	0.00233928	0.00168655
2112 Nov	0.070221879	8.29063E-06	2.648956776	24.73368073	0.085673839	0.001679544	135.2489777	0.007292298	0.00685945	0.000685277	0.001401024	0.000545213	0.253005564	2.17756E-06	0.000467905	0.00089193	0.002340907	0.001688445
2112 Dec	0.070223846	8.29098E-06	2.649269819	24.73839378	0.085685827	0.001679834	135.276886	0.007293467	0.006859658	0.000685395	0.001401269	0.000545306	0.253042281	2.17767E-06	0.000467986	0.000892037	0.002341164	0.001688708
2113 Jan	0.07022354	8.29107E-06	2.649532795	24.74292374	0.085696608	0.001680106	135.3041229	0.007294548	0.006859627	0.000685506	0.001401501	0.000545392	0.253075361	2.1777E-06	0.000468063	0.000892128	0.002341372	0.00168895
2113 Feb	0.070224829	8.2912E-06	2.649600983	24.74375725	0.085699134	0.001680158	135.3088989	0.007294768	0.006859733	0.000685528	0.001401545	0.000545409	0.253082693	2.17774E-06	0.000468077	0.000892152	0.002341429	0.001688999
2113 Mar	0.070238553	8.29284E-06	2.650175333	24.74956131	0.085718229	0.001680545	135.3411713	0.007296423	0.006861065	0.000685686	0.001401869	0.000545535	0.253139257	2.17817E-06	0.000468185	0.000892346	0.002341931	0.001689381
2113 Apr	0.070264161	8.29586E-06	2.651149988	24.75874138	0.085749865	0.001681166	135.3914642	0.007299119	0.006863561	0.00068594	0.001402388	0.000545736	0.253232688	2.17897E-06	0.000468358	0.000892674	0.002342791	0.001690004
2113 May	0.070445418	8.30357E-06	2.654268742	24.78995705	0.085905656	0.001682943	135.5597382	0.007307007	0.006871358	0.000687416	0.001403974	0.000546363	0.253573179	2.18035E-06	0.000468877	0.000894274	0.002345311	0.001691474
2113 Jun	0.070714921	8.30019E-06	2.647661448	24.69132423	0.08579313	0.001676035	134.9032135	0.007279751	0.006871082	0.000686412	0.001398432	0.000544276	0.25287962	2.17575E-06	0.000467006	0.000893627	0.002340046	0.00168479
2113 Jul	0.070890114	8.32343E-06	2.655308962	24.77428818	0.086049303	0.001681525	135.3640442	0.007303166	0.006888282	0.000688591	0.001403061	0.000546044	0.253658742	2.18115E-06	0.000468545	0.000896188	0.00234692	0.001690199
2113 Aug	0.07101129	8.34189E-06	2.663665295	24.88099098	0.086345695	0.0016884	135.9772034	0.007331535	0.00690049	0.000691289	0.001408813	0.000548235	0.254573554	2.18551E-06	0.000470461	0.000898927	0.002353957	0.001696709
2113 Sep	0.07096079	8.3419E-06	2.666820765	24.94783974	0.086476564	0.001692636	136.3816223	0.007347132	0.006897409	0.000692738	0.001412175	0.000549488	0.255029708	2.18474E-06	0.000471604	0.000899867	0.002356179	0.001700222
2113 Oct	0.070784271	8.32639E-06	2.662809849	24.9424305	0.086358659	0.001692278	136.3564148	0.007341443	0.00688348	0.00069208	0.001411307	0.000549122	0.254772872	2.17888E-06	0.000471405	0.000898329	0.00235223	0.001698847
2113 Nov	0.070766814	8.32544E-06	2.662377357	24.94687653	0.086346433	0.001692581	136.3722992	0.007341389	0.006882698	0.000692047	0.001411341	0.000549135	0.254759431	2.17799E-06	0.000471452	0.000898128	0.002351808	0.001698826
2113 Dec	0.070768915	8.32582E-06	2.662721634	24.95209503	0.086359605	0.001692902	136.4032288	0.007342679	0.006882926	0.000692178	0.001411612	0.000549237	0.254799932	2.1781E-06	0.000471541	0.000898245	0.00235209	0.001699116
2114 Jan	0.070769526	8.32593E-06	2.662862301	24.9543457	0.086365245	0.001693039	136.4166565	0.007343226	0.006882973	0.000692234	0.001411728	0.000549281	0.254817009	2.17813E-06	0.00047158	0.000898294	0.002352203	0.001699238
2114 Feb	0.070770346	8.32599E-06	2.662889481	24.95464134	0.086366318	0.001693058	136.418335	0.007343304	0.006883025	0.000692243	0.001411743	0.000549287	0.25481987	2.17815E-06	0.000471585	0.000898305	0.002352224	0.001699256
2114 Mar	0.070777804	8.32684E-06	2.663162947	24.95719147	0.086375251	0.00169323	136.4322357	0.007344055	0.006883736	0.000692314	0.001411887	0.000549343	0.254846036	2.17837E-06	0.000471633	0.000898398	0.002352465	0.001699429
2114 Apr	0.070796296	8.32901E-06	2.663855076	24.9636631	0.086397722	0.00169367	136.4676208	0.00734596	0.006885526	0.000692494	0.001412254	0.000549486	0.254912257	2.17894E-06	0.000471755	0.000898631	0.002353076	0.00169987
2114 May	0.070990533	8.33267E-06	2.665057659	24.97638321	0.086516231	0.00169402	136.5032806	0.007347786	0.006889727	0.000693676	0.001412667	0.000549671	0.255073458	2.17847E-06	0.00047188	0.000899863	0.002353923	0.001699974
2114 Jun	0.071321599	8.34547E-06	2.667014837	24.98559761	0.086680144	0.001694122	136.4798584	0.007349396	0.006901252	0.000695137	0.001412959	0.000549813	0.255283803	2.17907E-06	0.000471954	0.000901771	0.002355862	0.001700021
2114 Jul	0.071564496	8.37677E-06	2.678440332	25.11116982	0.087068655	0.001702374	137.1847992	0.007384455	0.00692503	0.000698463	0.001419918	0.000552477	0.25645265	2.18685E-06	0.000474264	0.000905643	0.00236592	0.001708104
2114 Aug	0.071799226	8.40743E-06	2.691004753	25.25653076	0.087503456	0.001711831	138.0099792	0.007424088	0.006948102	0.000702272	0.001427841	0.000555516	0.257764161	2.19471E-06	0.000476901	0.000909858	0.002376687	0.001717206
2114 Sep	0.071724087	8.40595E-06	2.694490671	25.33577347	0.087651201	0.001716819	138.493576	0.007442217	0.006943163	0.000703967	0.001431781	0.000556983	0.258288264	2.19345E-06	0.000478243	0.000910861	0.00237908	0.00172126
2114 Oct	0.071609996	8.39845E-06	2.696845531	25.41057396	0.087767668	0.001721406	138.9622345	0.007458036	0.006934789	0.000705512	0.001435354	0.000558295	0.258725435	2.19083E-06	0.000479472	0.000911535	0.002380438	0.001724697
2114 Nov	0.071509257	8.39036E-06	2.697280645	25.44998741	0.087805413	0.0017238	139.2190704	0.007465342	0.006927241	0.000706238	0.001437104	0.000558928	0.258908212	2.18821E-06	0.000480092	0.00091157	0.002380348	0.001726181
2114 Dec	0.0715065	8.39037E-06	2.697746277	25.45876122	0.087824568	0.001724332	139.2723389	0.007467382	0.006927086	0.000706446	0.001437544	0.000559093	0.258969724	2.18822E-06	0.00048024	0.000911725	0.002380708	0.001726633
2115 Jan	0.071507141	8.39051E-06	2.697953939	25.4621315	0.087832913	0.001724537	139.2924805	0.007468198	0.006927134	0.00070653	0.001437718	0.000559158	0.258995116	2.18827E-06	0.000480297	0.000911797	0.002380874	0.001726815
2115 Feb	0.071508251	8.39066E-06	2.698127747	25.46481323	0.087839842	0.0017247	139.3083801	0.007468855	0.006927214	0.000706598	0.001437856	0.00055921	0.259015828	2.18832E-06	0.000480342	0.000911858	0.002381013	0.001726963
2115 Mar	0.071512103	8.39112E-06	2.698330879	25.46719742	0.087847054	0.001724853	139.3219757	0.007469497	0.006927573	0.000706661	0.001437985	0.000559259	0.259037197	2.18844E-06	0.000480385	0.000911928	0.002381186	0.001727109

Appendix D.2-23: PUMP03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.071537659	8.39411E-06	2.699292183	25.47627449	0.087878413	0.001725467	139.3716583	0.007472157	0.006930037	0.000706913	0.001438498	0.000559459	0.259129524	2.18922E-06	0.000480556	0.000912253	0.002382033	0.001727724
2115 May	0.071744464	8.39792E-06	2.698306322	25.44501305	0.087898634	0.001723282	139.156189	0.007464135	0.006935894	0.000707054	0.001436756	0.000558835	0.258998245	2.18888E-06	0.000479973	0.00091269	0.002381128	0.001725549
2115 Jun	0.072083399	8.41721E-06	2.702089548	25.46035957	0.088078126	0.0017242	139.1893005	0.007469524	0.006954122	0.000708484	0.001437623	0.000559219	0.259329796	2.19232E-06	0.000480256	0.000914798	0.002384571	0.001726494
2115 Jul	0.07230287	8.44518E-06	2.711108685	25.55262756	0.088376366	0.001730402	139.6982727	0.007496161	0.006975406	0.000710954	0.001442816	0.000561219	0.260229558	2.19901E-06	0.000481989	0.000917794	0.002392508	0.001732687
2115 Aug	0.072221741	8.44348E-06	2.711623192	25.58369255	0.088405944	0.001732401	139.8917236	0.007502967	0.006968911	0.000711453	0.001444338	0.000561774	0.260393769	2.19713E-06	0.000482518	0.000917685	0.002392588	0.001734253
2115 Sep	0.072207339	8.44859E-06	2.7173419	25.68199348	0.088627636	0.001738574	140.4798889	0.007526765	0.006969151	0.00071374	0.001449369	0.000563672	0.26111871	2.19793E-06	0.000484206	0.000919454	0.002397039	0.001739607
2115 Oct	0.072181538	8.44931E-06	2.721573114	25.76075172	0.088800825	0.001743404	140.9553528	0.007545339	0.006967735	0.000715588	0.001453365	0.000565166	0.261677206	2.19801E-06	0.000485541	0.000920857	0.002400282	0.001743782
2115 Nov	0.072132617	8.44592E-06	2.722475052	25.79223633	0.088845357	0.001745349	141.1547089	0.00755177	0.006964454	0.000716223	0.001454828	0.000565704	0.261854649	2.19683E-06	0.000486053	0.000921088	0.002400778	0.001745134
2115 Dec	0.072132327	8.4461E-06	2.722775221	25.7976017	0.088857137	0.001745684	141.1869812	0.007553031	0.006964535	0.000716349	0.001455097	0.000565805	0.261893243	2.19687E-06	0.000486144	0.000921185	0.002401013	0.001745412
2116 Jan	0.072132654	8.44625E-06	2.723079681	25.80268288	0.088869475	0.00174599	141.2174225	0.007554251	0.006964556	0.000716475	0.001455357	0.000565903	0.261930913	2.19692E-06	0.00048623	0.00092129	0.002401255	0.001745686
2116 Feb	0.072135158	8.44651E-06	2.723201513	25.80412292	0.088873945	0.001746082	141.2256317	0.007554634	0.006964764	0.000716514	0.001455434	0.000565932	0.261943847	2.19699E-06	0.000486255	0.000921333	0.002401356	0.001745773
2116 Mar	0.072139561	8.447E-06	2.723361015	25.80564117	0.08887928	0.001746184	141.2339478	0.007555076	0.006965168	0.000716557	0.001455519	0.000565965	0.261959314	2.19712E-06	0.000486284	0.000921388	0.002401496	0.001745874
2116 Apr	0.072163604	8.4498E-06	2.72426343	25.81417656	0.088908769	0.001746761	141.2806702	0.007557576	0.006967478	0.000716794	0.001456001	0.000566153	0.262046099	2.19784E-06	0.000486445	0.000921694	0.002402291	0.001746452
2116 May	0.072346471	8.45695E-06	2.729101181	25.87981987	0.089147195	0.00175048	141.648407	0.007573022	0.006974032	0.000719166	0.001459254	0.000567406	0.262619466	2.19904E-06	0.000487509	0.000923976	0.002406164	0.001749619
2116 Jun	0.072591804	8.44127E-06	2.714941025	25.70095634	0.088829271	0.001737868	140.4435883	0.007521809	0.006961878	0.000716316	0.001448994	0.000563518	0.261164457	2.18877E-06	0.000484059	0.000921415	0.002394854	0.001737748
2116 Jul	0.072831839	8.47182E-06	2.724198818	25.79473495	0.089137338	0.001744112	140.9472809	0.00754879	0.006985194	0.000718824	0.001454294	0.00056554	0.262077212	2.19589E-06	0.000485811	0.000924664	0.002403492	0.001744056
2116 Aug	0.073020168	8.49699E-06	2.734091282	25.9078064	0.089477539	0.001751539	141.5861816	0.007579844	0.007003785	0.000721775	0.001460476	0.000567915	0.26310727	2.20214E-06	0.000487874	0.000927959	0.002411949	0.001751216
2116 Sep	0.0728999	8.49045E-06	2.7354877	25.96461105	0.089551181	0.001755134	141.9433594	0.007591818	0.006995109	0.000722827	0.001463188	0.000568906	0.263422579	2.1994E-06	0.000488819	0.000928236	0.002412495	0.001753894
2116 Oct	0.072773099	8.4812E-06	2.736206532	26.01857376	0.089598998	0.001758548	142.2950287	0.007601917	0.006986882	0.000723776	0.001465564	0.00056977	0.263680845	2.19609E-06	0.000489685	0.000928256	0.002412474	0.001755933
2116 Nov	0.072772592	8.48225E-06	2.737836361	26.04740524	0.089662246	0.00176035	142.4693756	0.007608694	0.006987478	0.000724453	0.001467009	0.000570313	0.263889134	2.19631E-06	0.000490176	0.000928777	0.002413752	0.001757421
2116 Dec	0.072772227	8.4824E-06	2.73821044	26.05377579	0.089677326	0.001760735	142.5076599	0.00761022	0.00698747	0.000724609	0.001467335	0.000570436	0.263935804	2.19637E-06	0.000490283	0.000928905	0.002414051	0.001757764
2117 Jan	0.072772235	8.48246E-06	2.73835969	26.05631828	0.089683443	0.001760888	142.522934	0.007610827	0.006987463	0.000724672	0.001467465	0.000570485	0.26395449	2.1964E-06	0.000490326	0.000928957	0.002414168	0.0017579
2117 Feb	0.072772712	8.48249E-06	2.73839283	26.05680275	0.089684837	0.001760917	142.5257721	0.007610946	0.006987486	0.000724685	0.00146749	0.000570494	0.263958424	2.19641E-06	0.000490334	0.000928969	0.002414194	0.001757926
2117 Mar	0.072778128	8.48311E-06	2.738591909	26.05869293	0.089691423	0.001761044	142.5361176	0.007611497	0.006987994	0.000724738	0.001467596	0.000570535	0.263977617	2.19656E-06	0.00049037	0.000929037	0.002414369	0.001758053
2117 Apr	0.072809465	8.48675E-06	2.739767551	26.0698719	0.089729957	0.0017618	142.5972595	0.007614763	0.006990995	0.000725049	0.001468225	0.00057078	0.264090955	2.19751E-06	0.00049058	0.000929437	0.002415405	0.001758807
2117 May	0.072994307	8.49476E-06	2.740927458	26.06647301	0.089802757	0.001761518	142.550293	0.007614483	0.006999473	0.000725627	0.001468044	0.000570745	0.264178842	2.19874E-06	0.000490518	0.00093034	0.002416403	0.001758519
2117 Jun	0.073311046	8.50431E-06	2.738414526	26.00179672	0.08978305	0.001757172	142.0920868	0.00759826	0.007010307	0.00072523	0.001464535	0.00056946	0.263837159	2.1985E-06	0.000489342	0.000930652	0.002414724	0.001754526
2117 Jul	0.073537193	8.53273E-06	2.747952938	26.10193062	0.090102404	0.00176383	142.6482544	0.007626713	0.007032154	0.000727917	0.001470125	0.000571608	0.264796525	2.2054E-06	0.000491204	0.000933864	0.002423165	0.001761099
2117 Aug	0.073654771	8.55013E-06	2.754744291	26.18303299	0.090337045	0.001769172	143.1077576	0.007648875	0.00704395	0.00072998	0.001474553	0.000573303	0.2655209	2.20937E-06	0.000492685	0.000936072	0.002428917	0.001766236
2117 Sep	0.073686257	8.55781E-06	2.759771109	26.25767899	0.090524077	0.001773947	143.5449524	0.007667836	0.007047988	0.000731776	0.001478483	0.000574788	0.266114384	2.211E-06	0.000494001	0.000937716	0.002432956	0.001770599
2117 Oct	0.073621295	8.55368E-06	2.760424137	26.28900719	0.090559177	0.001775946	143.7450714	0.007674119	0.007043806	0.000732344	0.001479924	0.000575314	0.266279727	2.20939E-06	0.000494517	0.000937823	0.00243316	0.001771946
2117 Nov	0.073603369	8.55254E-06	2.760545969	26.29672623	0.090566389	0.001776446	143.7947083	0.007675629	0.007042678	0.000732475	0.001480273	0.00057544	0.26631847	2.20893E-06	0.000494644	0.000937831	0.002433168	0.001772266
2117 Dec	0.073602974	8.55277E-06	2.761005402	26.30455208	0.090584777	0.001776922	143.8417053	0.007677508	0.007042697	0.000732665	0.001480674	0.000575591	0.266375959	2.209E-06	0.000494777	0.000937987	0.002433532	0.00177269
2118 Jan	0.073603474	8.55287E-06	2.761166334	26.3071804	0.090591274	0.001777081	143.8574066	0.007678141	0.007042731	0.000732731	0.001480809	0.000575642	0.266395688	2.20904E-06	0.000494821	0.000938043	0.00243366	0.001772832
2118 Feb	0.073604733	8.55297E-06	2.761199474	26.30747032	0.090592511	0.0017771	143.858963	0.007678225	0.007042819	0.00073274	0.001480825	0.000575648	0.266398907	2.20906E-06	0.000494826	0.000938055	0.002433687	0.001772851
2118 Mar	0.073607683	8.55328E-06	2.761301279	26.308424	0.090595938	0.001777165	143.8641663	0.007678504	0.007043084	0.000732767	0.001480878	0.000575669	0.266408741	2.20914E-06	0.000494844	0.000938091	0.002433776	0.001772915
2118 Apr	0.073643133	8.55568E-06	2.762075901	26.31456757	0.090626292	0.001777569	143.8959656	0.007680323	0.007045321	0.000732975	0.001481215	0.000575801	0.266483068	2.20972E-06	0.000494958	0.000938404	0.002434384	0.001773308
2118 May	0.073956348	8.55577E-06	2.758285522	26.23850822	0.090593658	0.001772313	143.4020386	0.007660134	0.007050601	0.000732579	0.001476954	0.000574241	0.266047508	2.20758E-06	0.000493535	0.000938455	0.002430888	0.001768067
2118 Jun	0.074198343	8.54253E-06	2.742764473	26.01531982	0.090174817	0.001757468	141.9600525	0.007600612	0.007042548	0.00072853	0.001464703	0.000569628	0.264344782	2.19889E-06	0.000489446	0.000935048	0.002418222	0.001754344
2118 Jul	0.074480221	8.57682E-06	2.754232645	26.13302422	0.090558909	0.001765296	142.6107178	0.007634168	0.007069584	0.000731731	0.001471283	0.000572159	0.265485764	2.2074E-06	0.000491634	0.000938974	0.00242844	0.001762085
2118 Aug	0.0744792	8.58469E-06	2.75978756	26.22369385	0.090768233	0.001771086	143.1464233	0.007656879	0.007070979	0.000733816	0.001476025	0.000573948	0.266176641	2.20851E-06	0.000493224	0.000940645	0.002432799	0.001767328
2118 Sep	0.074270561	8.57022E-06	2.758818626	26.26667595	0.090763442	0.001773757	143.4316559	0.007663661	0.00705523	0.000734316	0.001477789	0.000574569	0.266294092	2.2033E-06	0.000493879	0.000939998	0.002431175	0.001768797
2118 Oct	0.074139461	8.56033E-06	2.75632	26.27520943	0.090696074	0.001774203	143.4618225	0.007661776	0.007045392	0.000734008	0.001477651	0.000574495	0.266165346	2.19894E-06	0.000493912	0.000939003	0.00242872	0.001768504
2118 Nov	0.074114107	8.55897E-06	2.756495237	26.28915787	0.090710029	0.001775034	143.5370483	0.007664217	0.007043611	0.000734227	0.001478225	0.000574708	0.26622507	2.19816E-06	0.000494122	0.000939032	0.002428778	0.001769102
2118 Dec	0.074116252	8.55924E-06	2.756612062	26.29057884	0.090714082	0.001775126	143.5451965	0.007664593	0.007043831	0.000734264	0.001478301	0.000574737	0.266237527	2.19823E-06	0.000494147	0.000939071	0.002428877	0.001769186
2119 Jan	0.074116834	8.55937E-06	2.756793976	26.29351425	0.090721354	0.001775304	143.5627136	0.007665304	0.007043879	0.000734337	0.001478452	0.000574793	0.26625967	2.19827E-06	0.000494197	0.000939134	0.002429022	0.001769347
2119 Feb	0.074118115	8.55954E-06	2.756951094	26.29586029	0.09072753	0.001775448	143.5765839	0.007665885	0.00704398	0.000734397	0.001478574	0.00057484	0.266278148	2.19832E-06	0.000494237	0.000939189	0.00242915	0.001769479
2119 Mar	0.074127749	8.56063E-06	2.757306576	26.29926682	0.090739317	0.001775677	143.5951843	0.007666875	0.00704488	0.000734492	0.001478765	0.000574914	0.266312599	2.1986E-06	0.000494301	0.000939311	0.002429462	0.001769706
2119 Apr	0.074232928	8.56561E-06	2.758917809	26.30957794	0.090813205	0.001776324	143.6436768	0.007669966	0.007050076	0.000734932	0.001479302	0.000575131	0.266466618	2.19971E-06	0.000494485	0.000940069	0.002430572	0.001770307
2119 May	0.074777901	8.56138E-06	2.750610352	26.15418816	0.09071254	0.001765645	142.6092834	0.007628262	0.007055495	0.000732991	0.001470426	0.000571851	0.265516222	2.19467E-06	0.000491556	0.000939564	0.002422134	0.00176001
2119 Jun	0.074882649	8.56272E-06	2.746802807	26.09853172	0.090623118	0.001761882	142.2167358	0.007613514	0.007055419	0.000732037	0.001467407	0.000570696	0.265100032	2.19249E-06	0.000490533	0.000938984	0.002419462	0.001756775
2119 Jul	0.07513456	8.59457E-06	2.758316755	26.22581291	0.09101855	0.001770202	142.9296265	0.007648857	0.00707972	0.000735432	0.001474456	0.000573384	0.266280651	2.20028E-06	0.000492866	0.000942984	0.002429791	0.00176491
2119 Aug	0.075245835	8.6134E-06	2.766112804	26.32382202	0.091290317	0.001776668	143.4890137	0.007675221	0.007091457	0.000737859	0.001479756	0.000575411	0.267133117	2.20436E-06	0.000494644	0.000945468	0.002436283	0.001771026
2119 Sep	0.075132832	8.60825E-06	2.768229246	26.38828278	0.091387458	0.001780691	143.892868	0.007689226	0.00708349	0.000739129	0.001482879	0.000576567	0.267515063	2.20224E-06	0.000495715	0.00094595	0.002437509	0.00177417
2119 Oct	0.075025149	8.60061E-06	2.768538713	26.42570496	0.091417663	0.001782996	144.1325684	0.00769619	0.007075811	0.00073975	0.001484544	0.000577167	0.267681122	2.19962E-06	0.000496309	0.000945916	0.002437316	0.001775704
2119 Nov	0.074983604	8.59751E-06	2.768143415	26.43320847	0.09141054	0.001783439	144.1770477	0.007696973	0.007072741	0.000739798	0.001484788	0.00057725	0.267684609	2.19842E-06	0.00049641	0.000945733	0.00243685	0.001775897
2119 Dec	0.074985042	8.59781E-06	2.768454313	26.43804359	0.09142258	0.001783735	144.2058105	0.007698161	0.007072901	0.000739918	0.001485039	0.000577345	0.267721653	2.19852E-06	0.000496493	0.000945839	0.002437103	0.001776166

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.0035	0.0000031	0.00000093	0.000000024	0.00088	0.00000048	0.00030	2.4E-08	2.4E-08	1.2E-10	1.4E-07	6.7E-08	1.7E-07	1.7E-06	1.2E-10	1.4E-03	4.8E-10	1.7E-08	2.9E-08	4.6E-08
Operations (2020-2043): Mean	1098	1.5	1.9	0.065	450	0.14	343	3.2E-04	3.2E-04	2.5E-06	1.1E-02	3.5E-03	2.3E-01	1.3E-02	4.5E-06	8.1E+01	8.3E-05	4.0E-04	6.3E-04	5.0E-03
Operations (2020-2043): Max	1972	2.9	3.8	0.13	888	0.22	548	4.5E-04	4.5E-04	3.2E-06	1.5E-02	5.3E-03	3.7E-01	1.8E-02	6.3E-06	1.2E+02	1.3E-04	5.4E-04	8.9E-04	7.8E-03
Active Closure (2044-2050): Min	212	0.25	0.42	0.011	68	0.051	75	3.4E-04	3.4E-04	2.7E-06	5.3E-03	1.2E-03	5.4E-02	9.7E-03	4.7E-06	2.4E+01	2.4E-05	1.9E-04	2.1E-04	1.7E-03
Active Closure (2044-2050): Mean	401	0.48	0.69	0.021	137	0.075	145	7.4E-04	7.4E-04	4.1E-06	6.5E-03	1.7E-03	1.0E-01	1.0E-02	4.9E-06	3.8E+01	3.9E-05	2.4E-04	3.1E-04	2.5E-03
Active Closure (2044-2050): Max	1000	1.2	1.5	0.052	359	0.15	361	8.7E-04	8.7E-04	4.6E-06	1.1E-02	3.7E-03	2.4E-01	1.3E-02	5.0E-06	8.5E+01	8.7E-05	4.1E-04	6.5E-04	5.2E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Post Closure (2051-2119): Min	156	0.11	0.12	0.0032	27.2	0.049	44	8.7E-04	8.2E-04	4.5E-06	5.3E-03	1.2E-03	5.2E-02	9.9E-03	5.0E-06	2.1E+01	2.3E-05	1.9E-04	2.1E-04	1.4E-03
Post Closure (2051-2119): Mean	201	0.15	0.21	0.0052	34.8	0.051	79	1.5E-03	9.1E-04	5.5E-06	8.7E-03	4.5E-03	1.3E-01	2.8E-02	7.5E-06	3.3E+01	3.6E-05	7.9E-04	3.7E-04	1.7E-03
Post Closure (2051-2119): Max	252	0.25	0.42	0.011	68.4	0.053	114	2.1E-03	1.0E-03	6.0E-06	1.1E-02	7.1E-03	1.9E-01	3.8E-02	9.0E-06	4.5E+01	4.8E-05	1.2E-03	4.8E-04	2.1E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2119)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0.00347101	3.08104E-06	9.26718E-07	2.40706E-08	0.000880983	4.81412E-07	0.000300882	2.40706E-08	2.40706E-08	1.20353E-10	1.42016E-07	6.73976E-08	1.66087E-07	1.74512E-06	1.20353E-10	0.001384059	4.81412E-10	1.68494E-08	2.88847E-08	4.57341E-08
2035 Feb	0.016663518	1.47913E-05	4.44896E-06	1.15557E-07	0.004229398	2.31115E-06	0.001444467	1.15557E-07	1.15557E-07	5.77787E-10	6.81788E-07	3.23561E-07	7.97346E-07	8.37791E-06	5.77787E-10	0.006644547	2.31115E-09	8.08901E-08	1.38669E-07	2.19559E-07
2035 Mar	0.031903084	2.83187E-05	8.51774E-06	2.2124E-07	0.008097381	4.4248E-06	0.002765499	2.2124E-07	2.2124E-07	1.1062E-09	1.30532E-06	6.19472E-07	1.52656E-06	1.60399E-05	1.1062E-09	0.012721295	4.4248E-09	1.54868E-07	2.65488E-07	4.20356E-07
2035 Apr	0.046440177	4.12225E-05	1.2399E-05	3.22051E-07	0.011787069	6.44102E-06	0.004025638	3.22051E-07	3.22051E-07	1.61026E-09	1.9001E-06	9.01743E-07	2.22215E-06	2.33487E-05	1.61026E-09	0.018517936	6.44102E-09	2.25436E-07	3.86461E-07	6.11897E-07
2035 May	85.18183899	0.124793515	0.159140289	0.005432477	37.72851181	0.0096051	23.07745934	3.86432E-05	3.86432E-05	2.55972E-07	0.000824297	0.000277384	0.015623692	0.002002618	3.8594E-07	6.30637455	5.98E-06	3.82776E-05	6.12084E-05	0.000360542
2035 Jun	1014.868408	1.500770807	1.937507749	0.066236347	454.2625427	0.11448282	279.6830139	0.000327996	0.000327996	2.40681E-06	0.009295735	0.002893025	0.190062568	0.01108145	3.99491E-06	66.48156738	7.03066E-05	0.000342847	0.000522219	0.00406933
2035 Jul	1563.567139	2.321564913	3.005808592	0.102713048	702.7092896	0.175755978	433.4336243	0.000355522	0.000355522	2.96852E-06	0.013244304	0.004249274	0.293700457	0.011718614	5.4349E-06	98.7592392	0.000104929	0.000464322	0.000725472	0.006158754
2035 Aug	1716.56665	2.556340694	3.30602026	0.112893768	772.8485718	0.193411827	476.7867432	0.000276912	0.000276912	2.69484E-06	0.013570859	0.004584504	0.322376013	0.011644252	5.40841E-06	107.7381058	0.000111226	0.000486002	0.000780458	0.006715444
2035 Sep	1229.731323	1.845543027	2.351454496	0.080427378	552.1534424	0.146240458	340.0923462	0.00034472	0.00034472	2.65534E-06	0.011122311	0.003438976	0.231211588	0.011264167	4.58499E-06	79.49373627	8.1138E-05	0.000377291	0.000575333	0.004953566
2035 Oct	1170.376587	1.761634469	2.233775616	0.076433331	525.1107788	0.140756547	323.3282166	0.000361459	0.000361459	2.69237E-06	0.01102354	0.003308389	0.219975322	0.011447178	4.52538E-06	76.19871521	7.80696E-05	0.000365465	0.000552603	0.004754318
2035 Nov	1183.17981	1.780238867	2.261013746	0.077339485	531.1622314	0.141098097	327.1436157	0.000334309	0.000334309	2.56748E-06	0.010909939	0.003314372	0.222300082	0.011063183	4.42298E-06	76.64825439	7.86099E-05	0.000363663	0.000555469	0.00478314
2035 Dec	1181.352783	1.777575731	2.257298946	0.07721442	530.3179932	0.140973985	326.6167603	0.000336168	0.000336168	2.5753E-06	0.010912445	0.003311585	0.221961752	0.011086407	4.42774E-06	76.5602417	7.85165E-05	0.000363546	0.000554867	0.004777642
2036 Jan	1180.515137	1.776305318	2.255582094	0.077155985	529.928772	0.140893489	326.3725586	0.000336693	0.000336693	2.57724E-06	0.010909941	0.003310429	0.221799195	0.011108217	4.42826E-06	76.5266571	7.84696E-05	0.000363576	0.000554869	0.004775031
2036 Feb	1180.10376	1.775649071	2.254696846	0.077125579	529.7322998	0.140845552	326.247406	0.000336976	0.000336976	2.5783E-06	0.010908046	0.003310276	0.221713454	0.011134055	4.42857E-06	76.52009583	7.84466E-05	0.000363723	0.000555149	0.004773916
2036 Mar	1179.910278	1.775337815	2.254273653	0.077111028	529.6390381	0.140823096	326.1877136	0.000337138	0.000337138	2.57894E-06	0.010907291	0.003310275	0.221672535	0.011148324	4.42886E-06	76.51844025	7.84361E-05	0.000363812	0.000555314	0.004773431
2036 Apr	1194.057251	1.796368957	2.281231165	0.078029893	535.977478	0.142387152	330.0848694	0.000339434	0.000339434	2.60108E-06	0.01101889	0.00335057	0.22429125	0.011339874	4.47309E-06	77.47084808	7.93551E-05	0.000368605	0.000563423	0.004830175
2036 May	1247.468262	1.875801682	2.382928848	0.081499122	559.8947754	0.148373947	344.7902832	0.000350634	0.000350634	2.69732E-06	0.011461286	0.003503805	0.234200865	0.012057308	4.65264E-06	81.06466675	8.28704E-05	0.000386854	0.000593559	0.00504543
2036 Jun	1187.130249	1.761807919	2.273816109	0.077767506	532.3607178	0.135175809	328.1070251	0.000364618	0.000364618	2.72366E-06	0.01087576	0.003307226	0.223214492	0.010404115	4.58873E-06	76.08914185	8.18617E-05	0.000376895	0.000565007	0.00472804
2036 Jul	1522.513062	2.262263298	2.93020153	0.100129485	685.0509644	0.173679829	422.6512756	0.000322245	0.000322245	2.77246E-06	0.012356367	0.004141344	0.285811722	0.011046297	5.17739E-06	95.83457947	9.92178E-05	0.000429214	0.00069618	0.006018483
2036 Aug	1972.209473	2.935169935	3.800033808	0.129786178	888.2175903	0.223859251	548.0736084	0.000331855	0.000331855	3.16545E-06	0.015414229	0.005296603	0.37009868	0.013431166	6.28474E-06	123.6264267	0.000126674	0.000543586	0.000894319	0.007751525
2036 Sep	1621.993286	2.425071239	3.123776436	0.106654316	730.6376343	0.183833852	450.7427673	0.000227896	0.000227896	2.37773E-06	0.012780068	0.004315336	0.304375112	0.010934478	4.94215E-06	101.8278809	0.000104322	0.000451205	0.000734114	0.006357971
2036 Oct	1189.155762	1.790049553	2.269697666	0.077662364	533.5458984	0.142998874	328.528717	0.000366671	0.000366671	2.73267E-06	0.01120255	0.003361269	0.223481908	0.011624109	4.59517E-06	77.40883636	7.93435E-05	0.000370818	0.000561469	0.004831508
2036 Nov	1215.309814	1.828654766	2.322183847	0.079434574	545.5600586	0.1450454	336.0062561	0.000346451	0.000346451	2.65243E-06	0.011229412	0.003407537	0.228333741	0.011411499	4.55811E-06	78.76076508	8.07823E-05	0.000373826	0.00057087	0.004915894
2036 Dec	1212.836182	1.82491076	2.317647696	0.079277538	544.4709473	0.144665509	335.3414917	0.000343497	0.000343497	2.63587E-06	0.011190739	0.003398415	0.227863267	0.011352786	4.53784E-06	78.57418823	8.05976E-05	0.000372677	0.000569487	0.00490424
2037 Jan	1211.519409	1.822913527	2.314936876	0.079185322	543.857605	0.144541472	334.9563293	0.000344407	0.000344407	2.63933E-06	0.011187412	0.003396716	0.227607369	0.011389845	4.53906E-06	78.52333832	8.05247E-05	0.000372752	0.000569525	0.004900214
2037 Feb	1211.13269	1.822271228	2.314036846	0.07915432	543.664917	0.144497231	334.83078	0.000344949	0.000344949	2.64168E-06	0.011186947	0.003397261	0.227521002	0.011434588	4.54064E-06	78.53102112	8.05061E-05	0.000373079	0.000570113	0.004899546
2037 Mar	1213.9375	1.826458216	2.319307566	0.079334497	544.9134521	0.144832909	335.5960388	0.000346106	0.000346106	2.64954E-06	0.011214556	0.003406021	0.228040382	0.011487569	4.55282E-06	78.73082733	8.06964E-05	0.000374187	0.000571855	0.004911383
2037 Apr	1222.638184	1.839529991	2.335880041	0.079901308	548.8130493	0.145871565	337.9955139	0.000348791	0.000348791	2.66953E-06	0.011295909	0.003430944	0.229670495	0.011585084	4.5864E-06	79.3053894	8.1277E-05	0.000377009	0.000576195	0.004946865
2037 May	1056.990356	1.555561304	1.969644785	0.06737075	465.476593	0.127615735	294.2303162	0.000448138	0.000448138	3.04311E-06	0.010641227	0.003292485	0.200118482	0.017884519	4.70494E-06	74.90766144	7.40148E-05	0.000410126	0.000630975	0.004489367
2037 Jun	1079.259033	1.528398633	1.954800248	0.066773795	460.9390869	0.130156279	315.0762329	0.000374965	0.000374965	2.73586E-06	0.010422464	0.003422946	0.213327631	0.017756967	4.51906E-06	78.88126373	7.84397E-05	0.000426114	0.000676483	0.004699777
2037 Jul	1132.868164	1.602838993	2.053871393	0.070159495	483.6480408	0.136691213	332.1915894	0.000366925	0.000366925	2.74326E-06	0.010786437	0.003545621	0.22486423	0.017074401	4.62504E-06	81.89434052	8.21141E-05	0.000432463	0.000687285	0.004913034
2037 Aug	1190.910034	1.684695482	2.161221743	0.073816225	508.4434204	0.143611923	350.3473816	0.000352298	0.000352298	2.72041E-06	0.011118909	0.003683686	0.237006605	0.016721161	4.70634E-06	85.37631226	8.57872E-05	0.000441707	0.000705456	0.005144301
2037 Sep	1225.532715	1.733998895	2.225307226	0.076000176	523.1878662	0.14791739	361.4430237	0.000338618	0.000338618	2.68282E-06	0.011308102	0.003757845	0.244436875	0.016250288	4.73255E-06	87.32349396	8.79188E-05	0.000444783	0.000711968	0.005280297
2037 Oct	1222.713135	1.731377602	2.219937801	0.075825676	521.7960815	0.148347646	361.3664246	0.000329759	0.000329759	2.63851E-06	0.011296355	0.003731612	0.244426191	0.015527932	4.68821E-06	86.78925323	8.75995E-05	0.000436828	0.000697972	0.005268338
2037 Nov	1221.523193	1.729946017	2.217597485	0.075748339	521.2480469	0.148372874	361.1012268	0.000329974	0.000329974	2.63886E-06	0.011300642	0.003727165	0.244265974	0.015446836	4.68706E-06	86.67967987	8.75171E-05	0.000435758	0.000695774	0.005264516
2037 Dec	1221.643921	1.730123758	2.217803955	0.075755514	521.2981567	0.148393691	361.1361084	0.000330141	0.000330141	2.63979E-06	0.011302917	0.003727656	0.244290769	0.015450178	4.68818E-06	86.68973541	8.75273E-05	0.000435822	0.000695848	0.005265146
2038 Jan	1221.564697	1.730011106	2.217647314	0.075750209	521.2630005	0.148386315	361.111084	0.000330207	0.000330207	2.64005E-06	0.011302787	0.003727548	0.244274244	0.015452523	4.68829E-06	86.68641663	8.75226E-05	0.000435826	0.000695846	0.005264891
2038 Feb	1221.529175	1.729957342	2.217572689	0.075747639	521.2466431	0.148382127	361.0991821	0.000330243	0.000330243	2.64019E-06	0.011302671	0.00372755	0.244266123	0.015455367	4.68837E-06	86.68609619	8.75205E-05	0.000435844	0.000695878	0.005264798
2038 Mar	1221.608643	1.730067968	2.217711449	0.07575237	521.2799683	0.148391843	361.1219177	0.000330288	0.000330288	2.64048E-06	0.011303524	0.003727852	0.244281456	0.015458168	4.68878E-06	86.69294739	8.75265E-05	0.000435888	0.000695952	0.005265173
2038 Apr	1222.976929	1.732004523	2.220191956	0.075837098	521.8634644	0.148558065	361.5259399	0.000330672	0.000330672	2.64351E-06	0.011316249	0.003732062	0.244554743	0.015476504	4.6941E-06	86.79072571	8.76246E-05	0.000436386	0.000696748	0.005271088
2038 May	1214.97522	1.716718793	2.199913025	0.075144537	517.3074951	0.147930101	359.7905273	0.000339041	0.000339041	2.68035E-06	0.011321	0.003735507	0.243393391	0.015948439	4.7206E-06	86.78742981	8.74203E-05	0.000439936	0.000702329	0.005259013
2038 Jun	1151.773804	1.600027919	2.050167084	0.070028529	482.5635376	0.142549589	347.4508972	0.000346308	0.000346308	2.68248E-06	0.011030696	0.003650933	0.235039011	0.016570846	4.65187E-06	84.67714691	8.5009E-05	0.000437705	0.000699023	0.005102075
2038 Jul	1172.865845	1.627002954	2.085342169	0.071233913	490.7611694	0.145440057	354.5507813	0.000353024	0.000353024	2.73561E-06	0.011255237	0.003718629	0.239870936	0.016683415	4.74549E-06	86.23549652	8.67548E-05	0.000444762	0.000709453	0.005201686
2038 Aug	1205.503906	1.667711973	2.138765097	0.073054351	503.0980225	0.149970278	366.285614	0.000345938	0.000345938	2.73264E-06	0.011485614	0.003811306	0.247737095	0.016529799	4.80975E-06	88.54641724	8.9167E-05	0.000451646	0.000722231	0.005353342
2038 Sep	1218.505615	1.681230187	2.156473875	0.073656306	507.053009	0.152211294	372.2474976	0.000333289	0.000333289	2.68603E-06	0.011556674	0.003842625	0.251704246	0.016084166	4.7976E-06	89.44493866	9.02127E-05	0.000451128	0.000722773	0.005421235
2038 Oct	1214.969116	1.674150109	2.146528721	0.073320583	504.6759338	0.152390495	372.2554321	0.000329532	0.000329532	2.66735E-06	0.01155131	0.003832272	0.251723498	0.015792567	4.77913E-06	89.23667145	9.00908E-05	0.00044793	0.000717212	0.005416829
2038 Nov	1215.343628	1.674532771	2.146924496	0.073334597	504.7696838	0.152488798	372.4388123	0.000329719	0.000329719	2.66879E-06	0.011558908	0.003833764	0.251850665	0.015785851	4.78162E-06	89.27085114	9.01308E-05	0.000447993	0.000717232	0.00541945
2038 Dec	1215.278564	1.674448848	2.146798372	0.073330395	504.7416077	0.152485758	372.417511	0.000329832	0.000329832	2.66929E-06	0.01155935	0.003833685	0.251837343	0.015787195	4.78199E-06	89.26768494	9.01275E-05	0.000447993	0.000717207	0.005419261
2039 Jan	1215.227661	1.674378395	2.146700621	0.073327079	504.7196045	0.152480736	372.4008179	0.000329873	0.000329873	2.66945E-06	0.011559241	0.003833607	0.251826316	0.015788618	4.78206E-06	89.2653656	9.01243E-05	0.000447995	0.000717204	0.005419087
2039 Feb	1215.201416	1.674340367	2.14664793	0.073325276	504.7080383	0.152477488	372.3918762	0.000329894	0.000329894	2.66953E-06	0.011559123	0.003833593	0.251820207	0.015790332	4.78208E-06	89.26480865	9.01226E-05	0.000448004	0.000717221	0.005419007

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2039 Mar	1215.439575	1.674667478	2.147065401	0.073339529	504.8066406	0.152507424	372.464386	0.000329974	0.000329974	2.67013E-06	0.011561461	0.003834381	0.251869202	0.015794549	4.78309E-06	89.28305054	9.01404E-05	0.000448102	0.00071738	0.005420089
2039 Apr	1216.390503	1.675976992	2.148743391	0.073396839	505.201355	0.152626753	372.7554932	0.00033024	0.00033024	2.67226E-06	0.011570548	0.003837403	0.252066076	0.015807543	4.78687E-06	89.35333252	9.0211E-05	0.000448458	0.000717951	0.005424341
2039 May	1221.441528	1.682547092	2.157195091	0.073685244	507.1848145	0.153293043	374.4233398	0.000331156	0.000331156	2.68141E-06	0.011618225	0.003853907	0.253189862	0.015866157	4.8055E-06	89.74332428	9.06054E-05	0.000450321	0.000721026	0.005448125
2039 Jun	1148.379883	1.559951663	2.002114773	0.068426639	470.5880737	0.146800071	357.8441772	0.000345559	0.000345559	2.7083E-06	0.011337282	0.003682926	0.242356971	0.014682746	4.73894E-06	85.42951202	8.74336E-05	0.000430414	0.000678663	0.005205497
2039 Jul	1124.000732	1.503270388	1.932241559	0.066049874	453.8190002	0.146404877	357.4838562	0.000330716	0.000330716	2.63367E-06	0.011194144	0.003640706	0.242087126	0.013574392	4.66345E-06	84.48303223	8.69452E-05	0.000418324	0.000660394	0.005174623
2039 Aug	1118.448242	1.486709952	1.911900997	0.065362312	448.9714355	0.147173852	358.5259399	0.000328864	0.000328864	2.62741E-06	0.011147016	0.003643267	0.242764026	0.01328371	4.66338E-06	84.45560455	8.67548E-05	0.000414014	0.000655852	0.005185979
2039 Sep	1125.706665	1.493965626	1.92108047	0.065674722	451.0960693	0.148447067	361.7483215	0.000326348	0.000326348	2.62373E-06	0.011213499	0.003668547	0.244921923	0.013249769	4.67812E-06	85.10036469	8.741E-05	0.000415946	0.000659403	0.00522798
2039 Oct	1125.555664	1.492205381	1.918442369	0.0655846	450.4715576	0.148697928	362.3136292	0.000324255	0.000324255	2.61483E-06	0.011220858	0.003670392	0.245295167	0.013186449	4.67248E-06	85.17290497	8.74874E-05	0.000415582	0.000658973	0.005234285
2039 Nov	1126.075317	1.492894292	1.919304848	0.065614216	450.6758423	0.148773655	362.4819641	0.000324546	0.000324546	2.61675E-06	0.011227302	0.003672242	0.245410338	0.013194802	4.67535E-06	85.21445465	8.75299E-05	0.0004158	0.000659291	0.005236848
2039 Dec	1126.157104	1.493004441	1.919440866	0.065618902	450.7082825	0.148785979	362.5078125	0.000324609	0.000324609	2.61713E-06	0.011228436	0.003672546	0.245428175	0.013196422	4.67588E-06	85.22112274	8.75367E-05	0.000415837	0.000659343	0.005237259
2040 Jan	1126.134888	1.492975116	1.919400334	0.065617524	450.6991577	0.148783579	362.5002747	0.000324624	0.000324624	2.61718E-06	0.01122836	0.003672506	0.245423168	0.013196977	4.67589E-06	85.22000122	8.75352E-05	0.000415837	0.000659341	0.005237176
2040 Feb	1126.132446	1.492971182	1.919393897	0.065617301	450.697937	0.148783281	362.4990845	0.000324634	0.000324634	2.61723E-06	0.011228388	0.003672525	0.245422363	0.013197759	4.67593E-06	85.22035217	8.75351E-05	0.000415843	0.000659352	0.005237179
2040 Mar	1126.330322	1.493233085	1.91972971	0.065628782	450.7770081	0.148809433	362.5625916	0.000324697	0.000324697	2.61772E-06	0.011230388	0.003673184	0.245465308	0.013200516	4.67678E-06	85.23561096	8.75505E-05	0.00041592	0.000659475	0.005238107
2040 Apr	1127.031982	1.494163036	1.920924902	0.065669633	451.0577087	0.148902118	362.7882996	0.000324903	0.000324903	2.61937E-06	0.011237398	0.00367548	0.245618135	0.013208983	4.67971E-06	85.28885651	8.76051E-05	0.000416182	0.00065989	0.005241374
2040 May	1127.011841	1.493252039	1.919531584	0.065622255	450.7860107	0.148988083	362.9151917	0.000327711	0.000327711	2.63369E-06	0.011258335	0.003682342	0.24570924	0.013354531	4.69462E-06	85.42609406	8.76925E-05	0.000417788	0.000662378	0.005246751
2040 Jun	1077.216675	1.410068154	1.811224222	0.061926484	425.7760315	0.144166619	350.7908325	0.000339338	0.000339338	2.65813E-06	0.011034203	0.003600536	0.237574637	0.01392445	4.64928E-06	83.34835815	8.5334E-05	0.000415239	0.00065666	0.005096773
2040 Jul	1086.502686	1.416164041	1.819567204	0.062211037	427.6542664	0.146006003	355.7301636	0.000336967	0.000336967	2.65996E-06	0.011142057	0.003639296	0.240888327	0.013850906	4.67944E-06	84.31217194	8.64241E-05	0.000418313	0.000662059	0.005160287
2040 Aug	1098.42627	1.427798867	1.834807158	0.06273032	431.1830139	0.148029283	360.9207764	0.00033529	0.00033529	2.6659E-06	0.011253488	0.003683485	0.24436444	0.013862887	4.71504E-06	85.39312744	8.75234E-05	0.000422078	0.000668998	0.005229586
2040 Sep	1102.197388	1.428940892	1.836281776	0.062779859	431.4986267	0.149006501	363.4161072	0.000332235	0.000332235	2.65753E-06	0.011292613	0.003701273	0.246035919	0.01379347	4.72099E-06	85.86047363	8.79852E-05	0.000423129	0.000671073	0.005260659
2040 Oct	1101.85791	1.427428365	1.834001303	0.062703088	430.9754944	0.149179041	363.6896667	0.000332483	0.000332483	2.65951E-06	0.011306286	0.003703455	0.246226817	0.013782457	4.72451E-06	85.91242218	8.80401E-05	0.000423181	0.000670996	0.005264804
2040 Nov	1102.356323	1.427989602	1.834679604	0.062726475	431.137207	0.149268761	363.8851013	0.000332766	0.000332766	2.66146E-06	0.011313671	0.003705506	0.246360496	0.013789873	4.72757E-06	85.95907593	8.80879E-05	0.000423407	0.000671321	0.005267745
2040 Dec	1102.393799	1.428039551	1.83473897	0.062728524	431.1515808	0.149275139	363.8970337	0.000332811	0.000332811	2.66172E-06	0.011314328	0.003705664	0.246368811	0.013790908	4.72789E-06	85.96240234	8.80913E-05	0.000423427	0.000671347	0.005267949
2041 Jan	1102.394165	1.428040385	1.834737539	0.06272848	431.1515503	0.149275646	363.8967896	0.000332829	0.000332829	2.66181E-06	0.011314458	0.003705693	0.246368751	0.013791615	4.72798E-06	85.96290588	8.80915E-05	0.000423434	0.000671356	0.005267968
2041 Feb	1102.404907	1.428053617	1.834753275	0.062729023	431.1555481	0.149277091	363.8999939	0.000332842	0.000332842	2.66188E-06	0.011314611	0.003705752	0.246370912	0.013792438	4.72807E-06	85.96419525	8.80924E-05	0.000423445	0.000671374	0.005268032
2041 Mar	1102.567749	1.428264141	1.835023284	0.062738255	431.2191162	0.149299145	363.9535522	0.000332896	0.000332896	2.6623E-06	0.011316305	0.003706312	0.246407166	0.013794851	4.72879E-06	85.9771347	8.81055E-05	0.000423511	0.000671479	0.005268816
2041 Apr	1103.111328	1.428968072	1.835927129	0.062769152	431.4316101	0.149372742	364.132843	0.000333063	0.000333063	2.66363E-06	0.011321897	0.003708146	0.246528536	0.013801864	4.73114E-06	86.01966095	8.81489E-05	0.000423721	0.000671813	0.005271417
2041 May	1105.450928	1.431636333	1.839338541	0.062885672	432.237915	0.149724081	365.0020752	0.000333819	0.000333819	2.66979E-06	0.011348475	0.003717237	0.24711518	0.013843951	4.74222E-06	86.23170471	8.836E-05	0.000424815	0.000673594	0.005284125
2041 Jun	1067.851807	1.370424032	1.761085272	0.060230106	413.8778076	0.146192938	355.8399048	0.000343093	0.000343093	2.69106E-06	0.011204962	0.00363184	0.241103396	0.013476147	4.71154E-06	84.06845856	8.66238E-05	0.000416342	0.000654923	0.005156355
2041 Jul	1046.606323	1.325653791	1.704406142	0.058298271	400.4593506	0.145204365	353.9466248	0.000335619	0.000335619	2.64873E-06	0.011111788	0.003596902	0.239824787	0.01298969	4.65891E-06	83.30144501	8.61202E-05	0.000410432	0.000645067	0.005118018
2041 Aug	1058.005615	1.337305546	1.719495535	0.058813773	403.9855347	0.147106543	358.684845	0.000336794	0.000336794	2.66764E-06	0.011233293	0.003640853	0.243014589	0.013075215	4.70483E-06	84.34698486	8.71805E-05	0.000414762	0.000652427	0.005183731
2041 Sep	1062.470459	1.339657664	1.722498298	0.058915328	404.6714783	0.14810735	361.2755432	0.000334721	0.000334721	2.66443E-06	0.011283208	0.003661518	0.244745985	0.01305957	4.71643E-06	84.8724823	8.77058E-05	0.000416423	0.00065557	0.005217467
2041 Oct	1061.483643	1.336238027	1.717806339	0.058755212	403.5738525	0.148287892	361.6751099	0.000333323	0.000333323	2.65854E-06	0.011288281	0.003663131	0.245008796	0.013022888	4.71283E-06	84.92958832	8.7759E-05	0.00041622	0.000655396	0.00522213
2041 Nov	1061.983765	1.336756706	1.71842134	0.058776475	403.7215271	0.148385271	361.8839722	0.000333666	0.000333666	2.66083E-06	0.011296485	0.003665375	0.245151892	0.013031813	4.7163E-06	84.98026276	8.78107E-05	0.000416472	0.000655755	0.005225313
2041 Dec	1062.061523	1.336856246	1.71854496	0.058780733	403.750946	0.148397312	361.9101257	0.000333721	0.000333721	2.66118E-06	0.011297557	0.003665673	0.245169848	0.013033277	4.7168E-06	84.98685455	8.78174E-05	0.000416508	0.000655806	0.005225719
2042 Jan	1062.075928	1.336874604	1.718566179	0.058781464	403.7562561	0.148399726	361.9146729	0.000333742	0.000333742	2.66129E-06	0.011297821	0.003665747	0.245173022	0.013034081	4.71694E-06	84.98843384	8.78188E-05	0.000416519	0.000655823	0.005225805
2042 Feb	1062.074829	1.336872578	1.718562603	0.058781337	403.7556458	0.148399562	361.9139404	0.00033375	0.00033375	2.66133E-06	0.011297846	0.003665763	0.245172501	0.013034684	4.71697E-06	84.98873138	8.78188E-05	0.000416525	0.000655832	0.00522581
2042 Mar	1062.174438	1.336997747	1.71872282	0.058786821	403.7934265	0.148413464	361.9477234	0.000333786	0.000333786	2.6616E-06	0.011298927	0.003666118	0.245195374	0.013036244	4.71743E-06	84.99692535	8.7827E-05	0.000416567	0.000655898	0.005226306
2042 Apr	1063.273682	1.338381171	1.720500946	0.05884764	404.2112427	0.148567066	362.3222046	0.000334134	0.000334134	2.66437E-06	0.011310631	0.003669918	0.245449081	0.013049926	4.72233E-06	85.08501434	8.7918E-05	0.000417	0.00065658	0.005231717
2042 May	1066.632813	1.342163444	1.725310564	0.059012126	405.3542786	0.149081454	363.5697327	0.000335714	0.000335714	2.67568E-06	0.011352115	0.003683682	0.246293664	0.013125527	4.74069E-06	85.40116119	8.82303E-05	0.000418741	0.000659352	0.005250434
2042 Jun	1043.954468	1.302601933	1.674653292	0.057290103	393.4769592	0.14720045	358.8303223	0.000339051	0.000339051	2.67939E-06	0.011267761	0.003638458	0.243170053	0.012928532	4.71754E-06	84.275383	8.73149E-05	0.000414233	0.0006498	0.005183464
2042 Jul	1030.901733	1.273995876	1.638281941	0.05605194	384.9047241	0.146795943	357.9219055	0.00033731	0.00033731	2.6669E-06	0.011227677	0.003623279	0.242563084	0.012708729	4.7001E-06	83.91560364	8.70661E-05	0.00041137	0.000645061	0.005166339
2042 Aug	1023.189636	1.254044533	1.612587571	0.055174891	378.8721313	0.147067532	358.4190369	0.000331789	0.000331789	2.64212E-06	0.011185012	0.003620582	0.242886126	0.012542723	4.67828E-06	83.89645386	8.69183E-05	0.000409498	0.000642789	0.005168384
2042 Sep	1018.916748	1.243448973	1.598632574	0.05469938	375.6167603	0.147224367	358.5783691	0.000330035	0.000330035	2.6338E-06	0.011172323	0.00361925	0.243003398	0.012474722	4.67089E-06	83.88599396	8.68381E-05	0.000408798	0.000641567	0.005168956
2042 Oct	1016.162537	1.237375855	1.590434909	0.054419689	373.7042236	0.147223786	358.5006714	0.000328497	0.000328497	2.6259E-06	0.011165692	0.003616512	0.242944196	0.012431749	4.66256E-06	83.8398819	8.67812E-05	0.000408147	0.000640658	0.005167163
2042 Nov	1016.670593	1.237952828	1.591156483	0.054444473	373.8751831	0.147307813	358.6940002	0.000328744	0.000328744	2.62767E-06	0.011172437	0.00361853	0.243075877	0.012439391	4.66542E-06	83.88601685	8.68287E-05	0.000408376	0.000641002	0.005170025
2042 Dec	1016.716492	1.23800981	1.591226935	0.054446898	373.8919067	0.147315219	358.7099304	0.000328778	0.000328778	2.62788E-06	0.011173102	0.003618712	0.24308683	0.012440286	4.66572E-06	83.89004517	8.68328E-05	0.000408398	0.000641033	0.005170274
2043 Jan	1016.714355	1.238007307	1.591222167	0.054446742	373.8910217	0.147315159	358.7089233	0.000328789	0.000328789	2.62793E-06	0.011173151	0.00361872	0.243086189	0.012440669	4.66576E-06	83.89012909	8.68327E-05	0.000408401	0.000641037	0.005170272
2043 Feb	1016.714355	1.238007069	1.591221094	0.054446701	373.8909302	0.147315145	358.7087097	0.000328794	0.000328794	2.62795E-06	0.011173175	0.003618733	0.24308604	0.012441073	4.66579E-06	83.89039612	8.68328E-05	0.000408405	0.000641043	0.005170279
2043 Mar	1016.751526	1.238052249	1.591278672	0.054448672	373.904541	0.147320554	358.7217102	0.000328809	0.000328809	2.62807E-06	0.011173598	0.003618872	0.243094847	0.012441749	4.66597E-06	83.89360809	8.6836E-05	0.000408422	0.00064107	0.005170472
2043 Apr	1017.61676	1.239105582	1.592632413	0.054494992	374.2226868	0.147445902	359.026886	0.00032909	0.00032909	2.63031E-06	0.011183112	0.003621956	0.243301645	0.012452461	4.66995E-06	83.96507263	8.69099E-05	0.00040877	0.000641618	0.005174873
2043 May	1019.918335	1.241343737	1.595425129	0.054590613	374.8995667	0.147837266	359.9596863	0.000330766	0.000330766	2.64123E-06	0.011217237	0.003633268	0.243934184	0.012534669	4.68612E-06	84.22104645	8.71535E-05	0.000410337	0.0006441	0.00518952
2043 Jun	995.4423828	1.199976206	1.5414325	0.052747685	362.4443665	0.145533115	354.1469727	0.000336341	0.000336341	2.65292E-06	0.011109325	0.003595355	0.240024298	0.012849556	4.66432E-06	83.25509644	8.60179E-05	0.000409371	0.000642066	0.005118634
2043 Jul	999.6383667	1.199765444	1.541326404	0.052745402	362.4045715	0.146749005	357.2066956	0.000337025	0.000337025	2.66478E-06	0.011186778	0.003622605	0.242084265	0.012866131	4.69366E-06	83.89862823	8.6706E-05	0.000411777	0.000646196	0.005160346
2043 Aug	1005.28479	1.20228982	1.544592261	0.052857228	363.1658325	0.148089156	360.5309143	0.000336943	0.000336943	2.67353E-06	0.011264086	0.003652193	0.244322285	0.012899025	4.72137E-06	84.61334229	8.74137E-05	0.000414517	0.0006509	0.005205565
2043 Sep	1005.156067	1.197867751	1.53882885	0.052660082	361.8086243	0.148594782	361.8120117	0.000334899	0.000334899	2.66686E-06	0.011279847	0.003661001	0.245178059	0.0128597	4.72204E-06	84.85102081	8.76308E-05	0.000414968	0.000651907	0.005221302
2043 Oct	1001.30603	1.191247582	1.529769897	0.052352492	359.7133789	0.148407996	361.090332	0.000335298	0.000335298	2.66685E-06	0.011271784	0.003654493	0.244701773	0.012839581	4.71788E-06	84.69139862	8.7459E-05	0.000414141	0.000650294	0.00521228
2043 Nov	997.2207642	1.185438752	1.521790147	0.052082043	357.8748169	0.148061112	359.9332275	0.000336458	0.000336458	2.66944E-06	0.011257187	0.003644984	0.243937999	0.012830173	4.71382E-06	84.44989014	8.72037E-05	0.000413144	0.000648257	0.005197842
2043 Dec	997.2380981	1.185461402	1.521813512	0.052082881	357.8807983	0.148065239	359.9389343	0.000336505	0.000336505	2.66969E-06	0.011257711	0.003645086	0.243942216	0.012831082	4.7141E-06	84.45183563	8.72056E-05	0.000413158	0.000648272	0.005197962
2044 Jan	997.2388306	1.185462594	1.521812797	0.052082859	357.8809204	0.148065731	359.9388123	0.000336522	0.000336522	2.66977E-06	0.011257831	0.003645113	0.243942201	0.012831725	4.71418E-06	84.45230865	8.72058E-05	0.000413165	0.000648281	0.005197981
2044 Feb	997.2995605	1.185534358	1.521903753	0.05208597	357.9025574	0.148074746	359.9603882	0.000336551	0.000336551	2.66997E-06	0.011258555	0.003645356	0.243956804	0.012833137	4.7145E-06	84.45786285	8.72112E-05	0.000413196	0.00064833	0.005198308
2044 Mar	997.4368286	1.185697436	1.52211225	0.052093107	357.9517212	0.148095101	360.0097351	0.000336601	0.000336601	2.67036E-06	0.011260125	0.003645868	0.243990228	0.012835245	4.71517E-06	84.46969604	8.72232E-05	0.000413256	0.000648425	0.005199029
2044 Apr	997.7843018	1.186110258	1.522642136	0.052111238	358.0763855	0.148146704	360.1350403	0.000336721	0.000336721	2.6713E-06	0.011264059	0.003647144	0.244075149	0.012839906	4.71683E-06	84.49924469	8.72537E-05	0.000413401	0.000648653	0.005200843
2044 May	1000.184509	1.188866019	1.526172996	0.052232064	358.9084473	0.14851284	361.0265808	0.000337579	0.000337579	2.67804E-06	0.011292054	0.00365629	0.244679049	0.01287526	4.72862E-06	84.71109009	8.74704E-05	0.000414458	0.000650323	0.005213787
2044 Jun	931.1800537	1.092953205	1.402979136	0.048062511	330.2910156	0.14073956	339.3585205	0.000369062	0.000369062	2.77565E-06	0.010779646	0.003450333	0.230102211	0.012471325	4.70237E-06	79.9280014	8.2627E-05	0.000395435	0.000614371	0.004937642
2044 Jul	818.8215942	0.953074038	1.223375201	0.042014536	288.7934265	0.127103597	299.2244263	0.000447646	0.000447646	3.05757E-06	0.009804827	0.003063706	0.203020066	0.01178353	4.75441E-06	71.11902618	7.33831E-05	0.000359976	0.000547365	0.0044452
2044 Aug	708.3181152	0.819761932	1.052054763	0.036252204	249.343689	0.113333911	258.3682251	0.000530994	0.000530994	3.36113E-06	0.008845561	0.00267248	0.175555527	0.011204428	4.8236E-06	62.24006271	6.39505E-05	0.00031838	0.000482979	0.0039387
2044 Sep	624.27948	0.71562916	0.918047547	0.031735577	218.4810181	0.102993056	228.1598358	0.000584538	0.000584538	3.54514E-06	0.008126837	0.002378756	0.155309737	0.010729237	4.83425E-06	55.64086533	5.68939E-05	0.000280868	0.000436599	0.003554085
2044 Oct	589.3788452	0.672772169	0.862752318	0.029872237	205.7588806	0.098663993	215.4916077	0.000607064	0.000607064	3.62267E-06	0.007827196	0.002255724	0.14680478	0.010542224	4.83906E-06	52.88634872	5.3955E-05	0.000265334	0.000417126	0.003395558
2044 Nov	589.4933472	0.6727615	0.862684667	0.029869916	205.7445679	0.098706655	215.585083	0.000607008	0.000607008	3.62264E-06	0.007831163	0.002256784	0.146869302	0.010545531	4.83957E-06	52.90870667	5.3978E-05	0.000265448	0.000417263	0.003396876
2044 Dec	589.5061646	0.672776759	0.862702668	0.029870547	205.7489777	0.098709218	215.5896149	0.000607032	0.000607032	3.62278E-06	0.007831424	0.002256844	0.146872491	0.010545948	4.83973E-06	52.9099884	5.39793E-05	0.000265456	0.000417273	0.003396958
2045 Jan	589.5031738	0.67277348	0.862697542	0.029870374	205.747879	0.098708846	215.5883636	0.000607035	0.000607035	3.62279E-06	0.007831424	0.002256841	0.146871671	0.010546125	4.83973E-06	52.90986633	5.39791E-05	0.000265457	0.000417274	0.003396946
2045 Feb	589.5020752	0.672772169	0.862695515	0.029870301	205.747467	0.098708659	215.5878601	0.000607037	0.000607037	3.62279E-06	0.007831423	0.002256844	0.146871313	0.010546335	4.83973E-06	52.90991974	5.3979E-05	0.000265458	0.000417277	0.003396943
2045 Mar	589.539978	0.672815323	0.862750649	0.029872211	205.7606659	0.098715	215.6016388	0.000607077	0.000607077	3.62303E-06	0.007831933	0.002256994	0.146880701	0.010547137	4.84005E-06	52.91340256	5.39825E-05	0.000265477	0.000417305	0.003397163
2045 Apr	589.6779175	0.672972679	0.862952292	0.029879192	205.8087921	0.098738082	215.6520386	0.00060722	0.00060722	3.62388E-06	0.007833769	0.002257524	0.146915033	0.010549675	4.84119E-06	52.92582703	5.39951E-05	0.000265539	0.000417404	0.003397959
2045 May	590.5738525	0.673995197	0.864263356	0.029924586	206.1214905	0.098888099	215.9796753	0.000608143	0.000608143	3.62939E-06	0.007845675	0.002260955	0.147138238	0.010565735	4.84854E-06	53.0062561	5.40772E-05	0.000265943	0.000418039	0.003403123
2045 Jun	572.5336914	0.656087637	0.859356284	0.029060101	198.66008	0.096734069	209.9197083	0.000616962	0.000616962	3.65946E-06	0.007745106	0.002228546	0.143186435	0.010478904	4.84927E-06	51.70988846	5.28271E-05	0.000268363	0.00040799	0.003327355
2045 Jul	530.9107666	0.615767956	0.835050821	0.027185094	183.5000458	0.09145648	194.2536163	0.000648158	0.000648158	3.77615E-06	0.007423399	0.002117235	0.132784992	0.010307115	4.88426E-06	48.37610245	4.93562E-05	0.000266891	0.000382797	0.003139239
2045 Aug	487.3437195	0.565147698	0.773764551	0.024980118	168.0957947	0.085974209	177.9304047	0.000681864	0.000681864	3.89999E-06	0.007045229	0.00196611	0.121831842	0.010091469	4.91556E-06	44.84366608	4.55895E-05	0.000251938	0.000357291	0.002937344
2045 Sep	450.9474182	0.524298966	0.728861392	0.023172587	155.1317902	0.081329122	164.276062	0.000707189	0.000707189	3.98982E-06	0.006741653	0.00184441	0.112741567	0.009928552	4.92923E-06	41.90815735	4.24359E-05	0.000237298	0.000337405	0.002764265
2045 Oct	434.613678	0.505205512	0.704925418	0.022342725	149.4221497	0.079222314	158.0825043	0.000719038	0.000719038	4.03197E-06	0.006597743	0.00178526	0.108590476	0.009853398	4.936E-06	40.57457733	4.10048E-05	0.000229664	0.000328257	0.002687371
2045 Nov	434.6928101	0.505325913	0.705152869	0.02234767	149.4501495	0.079236768	158.1088562	0.000719196	0.000719196	4.03284E-06	0.006599143	0.001785666	0.10860914	0.009855659	4.93704E-06	40.58191299	4.10122E-05	0.000229732	0.000328319	0.002687855
2045 Dec	434.7067566	0.505357563	0.705229521	0.022348866	149.4553833	0.079239331	158.1125946	0.000719234	0.000719234	4.03305E-06	0.006599462	0.001785768	0.108612031	0.009856229	4.93728E-06	40.58319092	4.10134E-05	0.000229754	0.00032833	0.002687938
2046 Jan	434.7072144	0.505366564	0.70525986	0.022349147	149.45578	0.079239383	158.1120148	0.000719243	0.000719243	4.03309E-06	0.006599525	0.001785795	0.108611792	0.009856433	4.93732E-06	40.58324814	4.10134E-05	0.000229762	0.000328332	0.002687939

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2046 Feb	434.7098083	0.505373836	0.705279231	0.02234941	149.4567871	0.079239808	158.1125488	0.000719251	0.000719251	4.03313E-06	0.006599589	0.00178582	0.108612239	0.009856636	4.93737E-06	40.58353043	4.10136E-05	0.000229768	0.000328336	0.002687955
2046 Mar	434.7497559	0.505422533	0.705352306	0.022351535	149.4705658	0.079247057	158.1268463	0.00071932	0.00071932	4.03352E-06	0.006600209	0.001785992	0.108622096	0.00985762	4.93784E-06	40.58727646	4.10174E-05	0.000229792	0.000328367	0.002688201
2046 Apr	434.9239807	0.50562644	0.70563966	0.022360532	149.5305176	0.079278797	158.190094	0.000719609	0.000719609	4.03514E-06	0.006602862	0.001786712	0.108665563	0.009861615	4.93982E-06	40.60355759	4.10338E-05	0.000229885	0.000328499	0.002689278
2046 May	435.4508057	0.506552577	0.707753003	0.022396557	149.7030182	0.079373553	158.3684998	0.00072059	0.00072059	4.04066E-06	0.006612848	0.001790114	0.108794153	0.00988019	4.94661E-06	40.65608597	4.10852E-05	0.000230535	0.000328978	0.002692561
2046 Jun	421.4402771	0.50942421	0.763258576	0.02224087	144.3376617	0.077253252	152.3037872	0.000728839	0.000728839	4.07222E-06	0.006626031	0.001813108	0.105114087	0.010017458	4.95922E-06	39.57514191	4.00968E-05	0.000248191	0.00032207	0.002619763
2046 Jul	398.8439331	0.490643024	0.764814258	0.021286225	135.6435089	0.074333996	143.9454956	0.000741949	0.000741949	4.11805E-06	0.0065086	0.001774327	0.099676974	0.009974954	4.96524E-06	37.85135651	3.84198E-05	0.000253686	0.000308961	0.002517673
2046 Aug	377.2142944	0.462876022	0.723985374	0.020113226	128.039856	0.071673378	135.9357147	0.00075995	0.00075995	4.18511E-06	0.006314243	0.001691253	0.094262242	0.009859823	4.98481E-06	36.10328293	3.65528E-05	0.000243849	0.00029621	0.002418849
2046 Sep	356.8706055	0.437689245	0.690008283	0.019022625	120.7264328	0.069094911	128.4686432	0.000772001	0.000772001	4.22437E-06	0.006145904	0.001618561	0.089277379	0.009759649	4.98085E-06	34.48513412	3.4828E-05	0.000233518	0.000285198	0.002321868
2046 Oct	346.9179993	0.425952435	0.674969435	0.018503809	117.1752167	0.067816049	124.7454605	0.000777643	0.000777643	4.24224E-06	0.006068814	0.001584549	0.086797148	0.009723017	4.97748E-06	33.69241333	3.39907E-05	0.000229078	0.000279711	0.002274743
2046 Nov	346.8478394	0.42606917	0.675661027	0.018504381	117.1326981	0.067813702	124.7175064	0.000777765	0.000777765	4.24285E-06	0.006072266	0.001585516	0.086785786	0.009728766	4.9781E-06	33.69228745	3.39932E-05	0.000229369	0.000279715	0.002274527
2046 Dec	346.8602295	0.426091999	0.675710499	0.018505258	117.1370468	0.067816436	124.7211304	0.000777812	0.000777812	4.2431E-06	0.006072631	0.001585605	0.08678858	0.009729422	4.97838E-06	33.6935997	3.39946E-05	0.000229387	0.000279727	0.002274613
2047 Jan	346.8592529	0.426094919	0.675722361	0.018505318	117.136795	0.067816369	124.7202911	0.000777821	0.000777821	4.24314E-06	0.006072691	0.00158562	0.08678814	0.009729622	4.97841E-06	33.6935997	3.39946E-05	0.000229392	0.000279728	0.00227461
2047 Feb	346.8623962	0.426100791	0.675735533	0.01850554	117.137886	0.06781701	124.7211456	0.000777833	0.000777833	4.2432E-06	0.006072782	0.001585645	0.086788796	0.009729877	4.97848E-06	33.69398499	3.39949E-05	0.000229398	0.000279733	0.002274632
2047 Mar	346.930542	0.426185578	0.675872028	0.018509204	117.1609116	0.067830347	124.745491	0.000777988	0.000777988	4.24405E-06	0.006073995	0.001585963	0.086805768	0.009731879	4.97947E-06	33.70064545	3.40016E-05	0.000229444	0.000279789	0.00227508
2047 Apr	347.0166626	0.426292002	0.67604202	0.018513814	117.1900024	0.067847192	124.7763672	0.000778183	0.000778183	4.24511E-06	0.006075513	0.00158636	0.086827278	0.009734347	4.98072E-06	33.70903397	3.401E-05	0.000229502	0.000279859	0.002275645
2047 May	346.7285767	0.426646799	0.678346515	0.018514374	117.047348	0.067815095	124.6161728	0.000779352	0.000779352	4.25073E-06	0.00608833	0.001590258	0.086744681	0.009786238	4.98601E-06	33.71920776	3.4017E-05	0.000230773	0.000280345	0.002274856
2047 Jun	337.789856	0.419321716	0.678955853	0.018097805	113.396843	0.066547297	121.2179718	0.000781688	0.000781688	4.25425E-06	0.006093835	0.0015912	0.084593125	0.010052061	4.97346E-06	33.23948669	3.35088E-05	0.000236697	0.000279355	0.002234427
2047 Jul	327.6926575	0.406073183	0.658713162	0.01754318	109.8558807	0.06538374	117.4437485	0.000794025	0.000794025	4.30501E-06	0.006009303	0.001553138	0.082020551	0.010032979	5.00161E-06	32.44448471	3.26654E-05	0.000233954	0.000273158	0.002192997
2047 Aug	314.7847595	0.388718069	0.631068408	0.016823666	105.374733	0.06384661	112.6497421	0.000807128	0.000807128	4.35647E-06	0.005890978	0.001500333	0.078764513	0.009971734	5.02391E-06	31.4015789	3.15374E-05	0.000227253	0.000265591	0.002135266
2047 Sep	301.5725098	0.371198475	0.604048312	0.016081046	100.6827698	0.062166873	107.8019791	0.000814855	0.000814855	4.38103E-06	0.005774852	0.001449039	0.075507984	0.009917595	5.01932E-06	30.35499763	3.04007E-05	0.000219044	0.000258751	0.002072004
2047 Oct	294.8971863	0.362602383	0.590979993	0.015710108	98.31668091	0.061298873	105.3229294	0.000818009	0.000818009	4.38966E-06	0.005718437	0.001424064	0.073842868	0.009899328	5.01318E-06	29.82936859	2.98333E-05	0.000215267	0.00025527	0.002040291
2047 Nov	294.7618103	0.362523019	0.591090798	0.015702728	98.24729156	0.061286818	105.2755661	0.000818018	0.000818018	4.3896E-06	0.005721534	0.001424754	0.07381729	0.009909467	5.01293E-06	29.82832146	2.98325E-05	0.000215491	0.000255315	0.002039793
2047 Dec	294.7723999	0.36253953	0.591122508	0.015703367	98.2508316	0.061289355	105.2787857	0.000818064	0.000818064	4.38984E-06	0.00572187	0.00142483	0.073819749	0.009910182	5.01319E-06	29.82958221	2.98338E-05	0.000215505	0.000255327	0.002039874
2048 Jan	294.776123	0.362545907	0.591135561	0.015703602	98.2520752	0.061290272	105.2797852	0.000818083	0.000818083	4.38994E-06	0.00572201	0.001424863	0.073820546	0.009910554	5.0133E-06	29.83009338	2.98342E-05	0.000215512	0.000255333	0.002039904
2048 Feb	294.7851868	0.362558007	0.591156662	0.015704101	98.25510406	0.061292209	105.2828522	0.000818113	0.000818113	4.3901E-06	0.005722219	0.001424916	0.073822737	0.009911031	5.01347E-06	29.83111191	2.98352E-05	0.000215521	0.000255343	0.00203997
2048 Mar	294.7864075	0.362559944	0.591160536	0.015704174	98.25549316	0.06129247	105.2831726	0.000818119	0.000818119	4.39012E-06	0.005722259	0.001424926	0.07382299	0.009911163	5.01351E-06	29.83128357	2.98354E-05	0.000215523	0.000255345	0.002039979
2048 Apr	294.9031982	0.362703085	0.591396928	0.015710318	98.29371643	0.061316889	105.3252487	0.000818442	0.000818442	4.39186E-06	0.005724582	0.001425513	0.073852539	0.009915371	5.01549E-06	29.84340096	2.98474E-05	0.000215614	0.000255451	0.002040796
2048 May	295.4083557	0.363324374	0.592411578	0.015737202	98.46177673	0.06142199	105.5057907	0.000819844	0.000819844	4.39939E-06	0.005734421	0.001427966	0.073979162	0.009932512	5.02409E-06	29.89467239	2.98986E-05	0.000215986	0.000255891	0.002044296
2048 Jun	288.082428	0.35501799	0.583074152	0.01533803	95.59048462	0.060378503	102.7995224	0.000820148	0.000820148	4.39362E-06	0.005737404	0.001418302	0.072258249	0.010026957	5.00358E-06	29.41887474	2.95098E-05	0.000217544	0.000252958	0.002008324
2048 Jul	277.198761	0.34109962	0.563094497	0.014726126	91.53959656	0.058957521	98.82180786	0.000825446	0.000825446	4.40885E-06	0.005686785	0.001388206	0.069625095	0.010050295	4.99566E-06	28.62005615	2.87674E-05	0.000216515	0.000246982	0.001958671
2048 Aug	267.9535828	0.328391522	0.54234165	0.014201304	88.30856323	0.057857923	95.4206543	0.000834132	0.000834132	4.44224E-06	0.005603637	0.001350384	0.067318045	0.009999266	5.00819E-06	27.8739357	2.79703E-05	0.00021158	0.000241432	0.001917018
2048 Sep	258.9256897	0.316026062	0.522044063	0.013687606	85.16655731	0.056711648	92.09378052	0.00083976	0.00083976	4.46056E-06	0.005519008	0.001312169	0.06507533	0.009938099	5.00607E-06	27.13539696	2.71747E-05	0.000204919	0.000236425	0.00187318
2048 Oct	254.256012	0.309710205	0.511667788	0.013421165	83.53067017	0.056103136	90.37043762	0.00084176	0.00084176	4.46548E-06	0.005476334	0.001292962	0.063912556	0.009908634	5.00046E-06	26.75611687	2.67718E-05	0.000201684	0.00023377	0.001850705
2048 Nov	254.087265	0.309531152	0.511418462	0.013410924	83.45931244	0.05608777	90.30542755	0.000841894	0.000841894	4.46598E-06	0.005479575	0.001293224	0.063875422	0.009916581	5.0006E-06	26.74965096	2.67687E-05	0.0002018	0.000233737	0.001849972
2048 Dec	254.0940094	0.309540689	0.511435091	0.013411295	83.46147919	0.05608964	90.30747223	0.000841932	0.000841932	4.46618E-06	0.005479845	0.001293277	0.063877046	0.009917126	5.00081E-06	26.75052643	2.67696E-05	0.00020181	0.000233746	0.001850029
2049 Jan	254.0939484	0.309541225	0.511436462	0.013411296	83.46142578	0.0560898	90.30724335	0.000841941	0.000841941	4.46622E-06	0.005479909	0.001293288	0.063876964	0.009917322	5.00085E-06	26.75063896	2.67697E-05	0.000201813	0.000233748	0.001850033
2049 Feb	254.0944824	0.309542179	0.51143831	0.013411322	83.46157837	0.056089975	90.30730438	0.000841947	0.000841947	4.46625E-06	0.005479951	0.001293297	0.063877046	0.009917481	5.00088E-06	26.7507782	2.67698E-05	0.000201815	0.00023375	0.00185004
2049 Mar	254.1124878	0.309564233	0.511474907	0.013412271	83.46748352	0.05609398	90.31362915	0.000842009	0.000842009	4.46658E-06	0.005480356	0.001293393	0.063881539	0.009918259	5.00124E-06	26.75271988	2.67717E-05	0.00020183	0.000233767	0.001850172
2049 Apr	254.2083588	0.309681147	0.511668086	0.013417332	83.49897003	0.056115165	90.34767151	0.000842328	0.000842328	4.46827E-06	0.005482433	0.001293883	0.063905634	0.009922045	5.00314E-06	26.76284218	2.67818E-05	0.000201907	0.000233856	0.001850871
2049 May	254.5886383	0.310131341	0.512420654	0.013436454	83.61713409	0.056201957	90.48571777	0.000843648	0.000843648	4.47526E-06	0.005491678	0.00129605	0.064004347	0.009939929	5.01095E-06	26.80592728	2.68252E-05	0.000202259	0.000234247	0.001853743
2049 Jun	248.3441315	0.301970154	0.499921322	0.013067047	81.2101593	0.055302754	88.2040863	0.000843084	0.000843084	4.46595E-06	0.005497321	0.001284547	0.06255497	0.009989604	4.98827E-06	26.37966919	2.65176E-05	0.00020239	0.000231143	0.001821836
2049 Jul	241.2271271	0.292070121	0.483778328	0.01264881	78.59716034	0.054394823	85.64839935	0.000846692	0.000846692	4.4765E-06	0.005453779	0.001260605	0.060841128	0.009963421	4.98329E-06	25.83180237	2.60137E-05	0.000200694	0.000226584	0.001789736
2049 Aug	235.4401245	0.284098357	0.470465541	0.012327749	76.6566391	0.053767689	83.45288086	0.000855891	0.000855891	4.51596E-06	0.005399825	0.001234715	0.059342448	0.009936672	5.00912E-06	25.35410309	2.5487E-05	0.00019724	0.000223072	0.001765266
2049 Sep	228.65802	0.274761885	0.454832315	0.011941981	74.32320404	0.052897651	80.94241333	0.000859924	0.000859924	4.52868E-06	0.00533399	0.001204997	0.057647638	0.009882244	5.00632E-06	24.78977013	2.48804E-05	0.000191852	0.000219221	0.00173183
2049 Oct	225.0598755	0.269867599	0.446579576	0.011736046	73.07463837	0.052424166	79.60719299	0.000861301	0.000861301	4.53161E-06	0.005301388	0.001189889	0.056747299	0.009856823	5.00103E-06	24.49388885	2.45697E-05	0.000189215	0.000217119	0.001714251
2049 Nov	225.0153809	0.269795746	0.446442097	0.011732036	73.04930115	0.052424639	79.59391785	0.000861409	0.000861409	4.53212E-06	0.005303591	0.001190143	0.056741614	0.009860797	5.00145E-06	24.49459267	2.45729E-05	0.000189274	0.000217126	0.00171416
2049 Dec	225.0233917	0.269805819	0.446458429	0.011732448	73.05184937	0.052426822	79.5965271	0.000861453	0.000861453	4.53234E-06	0.00530388	0.001190198	0.056743603	0.009861356	5.00169E-06	24.49559212	2.45739E-05	0.000189283	0.000217135	0.001714228
2050 Jan	225.0249023	0.269807816	0.446461588	0.011732521	73.0522995	0.052427325	79.59692383	0.000861465	0.000861465	4.5324E-06	0.005303969	0.001190214	0.056743953	0.00986157	5.00176E-06	24.49584961	2.45742E-05	0.000189287	0.000217138	0.001714243
2050 Feb	225.0253601	0.269808412	0.446462452	0.011732539	73.0524292	0.052427478	79.59699249	0.00086147	0.00086147	4.53243E-06	0.005304004	0.001190222	0.056744032	0.009861694	5.00178E-06	24.49596214	2.45743E-05	0.000189288	0.000217139	0.001714249
2050 Mar	225.0279999	0.2698116	0.446467668	0.011732672	73.05326843	0.052428115	79.5978775	0.000861482	0.000861482	4.53249E-06	0.005304079	0.001190238	0.05674468	0.009861867	5.00185E-06	24.49628448	2.45746E-05	0.000189291	0.000217143	0.00171427
2050 Apr	225.0872955	0.269882739	0.446585327	0.011735764	73.0725174	0.052441951	79.61882782	0.00086171	0.00086171	4.53369E-06	0.005305484	0.001190553	0.056759626	0.009864499	5.00317E-06	24.50276184	2.45811E-05	0.000189341	0.0002172	0.001714723
2050 May	225.3498993	0.270195663	0.447101802	0.011749228	73.15642548	0.052504662	79.71083069	0.000862788	0.000862788	4.53934E-06	0.005312306	0.001192051	0.056825969	0.009877881	5.00936E-06	24.5326767	2.46113E-05	0.000189588	0.000217475	0.001716772
2050 Jun	221.0028229	0.264335155	0.437256962	0.011487049	71.52176666	0.051872358	78.07671356	0.000862964	0.000862964	4.53547E-06	0.005319608	0.001183853	0.055785242	0.009933907	4.99564E-06	24.24205589	2.44029E-05	0.000189659	0.000215522	0.00169458
2050 Jul	215.1239471	0.256106883	0.423414648	0.011140439	69.38864136	0.05108349	75.95867157	0.000864432	0.000864432	4.53657E-06	0.005279501	0.001163429	0.054359678	0.009902353	4.98376E-06	23.77918053	2.39801E-05	0.00018808	0.000211619	0.001666962
2050 Aug	212.2784119	0.252090842	0.416662037	0.010978813	68.41043091	0.050797496	74.89655304	0.000869448	0.000869448	4.55848E-06	0.005254703	0.001151356	0.053630136	0.009893501	4.99905E-06	23.55165482	2.3733E-05	0.000186935	0.000209765	0.001656175
2050 Sep	212.0385895	0.251550734	0.415639281	0.010953117	68.25559998	0.050796013	74.85299683	0.000869648	0.000869648	4.55933E-06	0.005263517	0.001152429	0.053615049	0.009908789	4.99958E-06	23.55568886	2.37486E-05	0.000187128	0.000209798	0.001655669
2050 Oct	212.1126404	0.251596361	0.415676385	0.010954281	68.26403809	0.050827134	74.88473511	0.000870277	0.000870277	4.56255E-06	0.005269285	0.001153426	0.053642102	0.009919417	5.00298E-06	23.57107544	2.37674E-05	0.000187302	0.000209936	0.001656568
2050 Nov	212.1802216	0.251676172	0.415807307	0.010957733	68.28556824	0.050843686	74.90853119	0.000870566	0.000870566	4.56407E-06	0.005271073	0.001153808	0.053659283	0.009922791	5.00463E-06	23.57875443	2.37752E-05	0.000187365	0.000210005	0.001657104
2050 Dec	212.1875305	0.251684934	0.415821373	0.010958103	68.28787994	0.050845619	74.91098785	0.000870603	0.000870603	4.56426E-06	0.005271311	0.001153855	0.053661119	0.00992325	5.00484E-06	23.57963753	2.37761E-05	0.000187373	0.000210013	0.001657165
2051 Jan	212.1895447	0.251687348	0.415825158	0.010958201	68.28850555	0.050846186	74.91162872	0.000870616	0.000870616	4.56432E-06	0.005271391	0.001153871	0.053661611	0.009923431	5.00491E-06	23.57991791	2.37764E-05	0.000187376	0.000210016	0.001657182
2051 Feb	212.1909943	0.251689047	0.4158279	0.010958272	68.28896332	0.050846566	74.91210175	0.000870624	0.000870624	4.56437E-06	0.005271443	0.001153882	0.053661961	0.009923562	5.00495E-06	23.58011818	2.37766E-05	0.000187378	0.000210018	0.001657195
2051 Mar	212.1997681	0.251699448	0.415844977	0.010958723	68.29177856	0.050848685	74.91516113	0.000870661	0.000870661	4.56456E-06	0.005271669	0.001153931	0.05366417	0.009924005	5.00516E-06	23.58111382	2.37776E-05	0.000187386	0.000210027	0.001657264
2051 Apr	212.2769318	0.251790941	0.415996194	0.010962706	68.31660461	0.050867189	74.94239044	0.000870978	0.000870978	4.56622E-06	0.00527359	0.001154351	0.05368368	0.009927634	5.00699E-06	23.5897007	2.37863E-05	0.000187455	0.000210104	0.001657867
2051 May	212.4575195	0.251986235	0.416294605	0.010970503	68.36746979	0.050920155	74.99852753	0.000872236	0.000872236	4.57266E-06	0.005282225	0.001156035	0.053728841	0.009949163	5.01374E-06	23.61862183	2.38163E-05	0.000187777	0.000210431	0.001659606
2051 Jun	208.0951385	0.245691389	0.405130267	0.010680933	66.62476349	0.050179414	73.36976624	0.000869015	0.000869015	4.55175E-06	0.005305031	0.001153431	0.052713193	0.010098868	4.98284E-06	23.39875793	2.36796E-05	0.000188657	0.000210126	0.001635696
2051 Jul	207.7288666	0.244642198	0.403170168	0.010633381	66.34381866	0.050168253	73.31873322	0.000869791	0.000869791	4.55542E-06	0.005326535	0.001156487	0.052706771	0.010145357	4.98606E-06	23.42526245	2.3743E-05	0.000189315	0.000210562	0.001635451
2051 Aug	207.8000641	0.244317427	0.402465761	0.010617889	66.25941467	0.050244145	73.40638733	0.000871186	0.000871186	4.5626E-06	0.005344488	0.001159929	0.052786108	0.010184259	4.99366E-06	23.47478867	2.38033E-05	0.000189895	0.000211067	0.001637666
2051 Sep	207.1213531	0.243057206	0.400058955	0.010558559	65.90825653	0.050160475	73.24435425	0.000869697	0.000869697	4.55464E-06	0.005349139	0.001159957	0.052690655	0.010196745	4.9846E-06	23.45187569	2.37936E-05	0.000189936	0.000210913	0.001634488
2051 Oct	205.2208862	0.240373567	0.394932956	0.010429736	65.13950348	0.049872398	72.60461426	0.000866351	0.000866351	4.536E-06	0.005349761	0.001156745	0.052283946	0.010210996	4.96198E-06	23.33268356	2.36974E-05	0.000189617	0.000210015	0.001623739
2051 Nov	205.082077	0.240188077	0.394539416	0.010420009	65.08288574	0.049860641	72.55091095	0.000866461	0.000866461	4.53639E-06	0.005352505	0.001156851	0.052252639	0.010218262	4.96203E-06	23.32774544	2.36949E-05	0.000189668	0.000209995	0.001623149
2051 Dec	205.0874329	0.240194514	0.394548625	0.01042026	65.08451843	0.049862307	72.55257416	0.000866498	0.000866498	4.53658E-06	0.005352753	0.001156895	0.052253973	0.010218779	4.96223E-06	23.32851601	2.36957E-05	0.000189676	0.000210003	0.001623199
2052 Jan	205.0868988	0.240193918	0.394546926	0.010420218	65.08429718	0.049862344	72.55224609	0.000866503	0.000866503	4.5366E-06	0.005352796	0.0011569	0.052253805	0.01021892	4.96225E-06	23.32856369	2.36958E-05	0.000189677	0.000210004	0.001623199
2052 Feb	205.0904388	0.240198001	0.394553244	0.010420388	65.08539581	0.049863264	72.55340576	0.000866521	0.000866521	4.5367E-06	0.005352914	0.001156925	0.052254673	0.010219213	4.96235E-06	23.32903671	2.36962E-05	0.000189682	0.000210009	0.00162323
2052 Mar	205.1096802	0.240220547	0.39459005	0.010421361	65.0914917	0.049867984	72.56016541	0.000866604	0.000866604	4.53713E-06	0.005353431	0.001157037	0.052259561	0.010220235	4.96283E-06	23.33126831	2.36985E-05	0.0001897	0.000210029	0.001623383
2052 Apr	205.1516266	0.240269646	0.394670606	0.010423489	65.10479736	0.049878195	72.57498169	0.000866783	0.000866783	4.53806E-06	0.005354534	0.001157275	0.052270237	0.010222359	4.96385E-06	23.33605957	2.37034E-05	0.000189739	0.000210073	0.001623716
2052 May	204.993042	0.240039214	0.394132376	0.010408158	65.02378845	0.049889412	72.48603821	0.00086742	0.00086768	4.54326E-06	0.005364688	0.001159876	0.052278545	0.010262394	4.9693E-06	23.34597778	2.37192E-05	0.0001903	0.000210444	0.001623626
2052 Jun	192.7741547	0.232609853	0.377977639	0.009772436	60.51905441	0.049594801	65.6322937	0.000876585	0.000869321	4.6413E-06	0.00553948	0.001290552	0.054233409	0.01135948	5.1228E-06	22.39771461	2.34876E-05	0.000215659	0.000214148	0.001559428
2052 Jul	191.3588104	0.231366485	0.375272751	0.009673955	59.88909531	0.049682342	64.83986664	0.000879847	0.000871528	4.66545E-06	0.005584268	0.001313293	0.054644927	0.011556516	5.15606E-06	22.33272171	2.35326E-05	0.000219918	0.000215322	0.001554261
2052 Aug	191.7513428	0.231372714	0.375160962	0.009672659	59.93421173	0.049813617	65.03705597	0.0008817	0.000873384	4.6752E-06	0.005602418	0.001317258	0.054789126	0.011596496	5.16683E-06	22.40582466	2.36062E-05	0.000220533	0.000216018	0.001558442
2052 Sep	191.58815	0.230726212	0.373897493	0.009641328	59.79716492	0.049822915	65.03261566	0.000881601	0.000873289	4.67461E-06	0.005609953	0.001318578	0.054792672	0.011617841	5.16604E-06	22.42255974	2.36226E-05	0.000220747	0.000216223	0.00155851
2052 Oct	191.2599335	0.230386019	0.373128116	0.009616051	59.64374542	0.049836386	64.86527252	0.000882174	0.000873661	4.67893E-06	0.005620028	0.001323014	0.054864042	0.011658035	5.17174E-06	22.40981483	2.36295E-05	0.000221549	0.000216431	0.001557349
2052 Nov	191.3068848	0.230444908	0.373219401	0.009618318	59.65774536	0.049850363	64.87992859	0.000882433	0.000873915	4.68033E-06	0.005621776	0.001323454	0.054880053	0.011662012	5.17329E-06	22.41577148	2.36361E-05	0.000221624	0.000216494	0.001557758
2052 Dec	191.312851	0.23045212	0.373230129	0.009618602	59.65956116	0.049852148	64.88180542	0.00088247	0.000873951	4.68052E-06	0.00562202	0.001323504	0.054881714	0.011662561	5.17349E-06	22.41659355	2.3637E-05	0.000221633	0.000216503	0.001557812

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2053 Jan	191.3145599	0.230454147	0.373232901	0.009618676	59.66006088	0.049852695	64.88228607	0.000882483	0.000873964	4.68058E-06	0.005622106	0.001323522	0.054882161	0.011662788	5.17356E-06	22.41687202	2.36373E-05	0.000221636	0.000216506	0.001557829
2053 Feb	191.3208313	0.230461642	0.373244792	0.009618984	59.66199875	0.049854368	64.88435364	0.000882514	0.000873995	4.68075E-06	0.005622307	0.001323568	0.054883931	0.011663252	5.17374E-06	22.41765976	2.36381E-05	0.000221644	0.000216514	0.001557882
2053 Mar	191.3449402	0.23049067	0.373291641	0.009620192	59.6695137	0.049860671	64.89250946	0.000882626	0.000874106	4.68134E-06	0.005623025	0.001323737	0.054890834	0.011664766	5.1744E-06	22.42051506	2.36411E-05	0.000221673	0.000216542	0.001558079
2053 Apr	191.4203186	0.230581433	0.373438567	0.009623978	59.69300842	0.049880318	64.91804504	0.000882975	0.000874451	4.68319E-06	0.005625244	0.001324259	0.05491244	0.011669385	5.17644E-06	22.42935944	2.36504E-05	0.00022176	0.000216628	0.001558694
2053 May	189.5372467	0.229990155	0.371269912	0.009512008	58.85787201	0.049949124	63.634552	0.000888374	0.000878133	4.72475E-06	0.005691519	0.001362324	0.055676349	0.012008624	5.22867E-06	22.34447098	2.3702E-05	0.000228582	0.000219252	0.001551541
2053 Jun	176.6500702	0.223652482	0.355095178	0.00877413	53.50538254	0.049858432	55.60026932	0.000909177	0.000886963	4.90112E-06	0.005985222	0.001576335	0.059668291	0.013888311	5.4792E-06	21.61449051	2.37561E-05	0.000268424	0.000232843	0.001491864
2053 Jul	175.0667725	0.222801507	0.352993518	0.008673786	52.79400635	0.049986456	54.55870438	0.000914464	0.000890029	4.9371E-06	0.00604239	0.001613126	0.060420398	0.014198746	5.5307E-06	21.55298805	2.38318E-05	0.000275394	0.000235277	0.001486088
2053 Aug	175.8828735	0.223529622	0.354079932	0.008701375	52.99610138	0.05022138	54.86240768	0.000918317	0.000893808	4.95784E-06	0.006071309	0.00162059	0.060703594	0.014268384	5.55399E-06	21.66807556	2.39517E-05	0.000276639	0.0002365	0.001493406
2053 Sep	176.4049225	0.224030837	0.354842365	0.008720512	53.13032913	0.050369836	55.05336761	0.000920729	0.000896168	4.97087E-06	0.006089155	0.001625268	0.060885847	0.014310252	5.56871E-06	21.73872948	2.40265E-05	0.000277418	0.000237242	0.001497988
2053 Oct	176.5507965	0.224097416	0.354916871	0.00872266	53.15690613	0.050411399	55.11956406	0.000921272	0.000896706	4.97381E-06	0.006094321	0.001626531	0.060937334	0.014322243	5.57206E-06	21.76178741	2.40497E-05	0.00027762	0.000237475	0.001499358
2053 Nov	176.5320282	0.224011034	0.354746193	0.008718766	53.1415908	0.050409045	55.1212616	0.000921218	0.000896665	4.97343E-06	0.006094908	0.00162648	0.06092925	0.014324814	5.57154E-06	21.76474953	2.40511E-05	0.000277617	0.000237512	0.001499366
2053 Dec	176.5336609	0.224012941	0.354747862	0.008718818	53.14195633	0.050409731	55.12155533	0.000921238	0.000896684	4.97353E-06	0.006095049	0.001626507	0.060929652	0.014325236	5.57164E-06	21.76514435	2.40515E-05	0.000277622	0.000237517	0.001499387
2054 Jan	176.5338898	0.22401309	0.354747385	0.008718811	53.14199066	0.050409891	55.12150192	0.000921245	0.000896691	4.97356E-06	0.0060951	0.001626516	0.060929626	0.014325445	5.57167E-06	21.76529884	2.40516E-05	0.000277624	0.00023752	0.001499393
2054 Feb	176.5363312	0.22401607	0.354751736	0.00871892	53.14270401	0.05041061	55.12218475	0.00092126	0.000896707	4.97365E-06	0.006095205	0.001626542	0.060930397	0.014325764	5.57176E-06	21.76568031	2.4052E-05	0.000277629	0.000237525	0.001499416
2054 Mar	176.5374756	0.224017456	0.354753733	0.00871897	53.14303589	0.050410949	55.12249756	0.000921268	0.000896714	4.97368E-06	0.006095254	0.001626555	0.060930751	0.014325923	5.57181E-06	21.76586533	2.40521E-05	0.000277632	0.000237527	0.001499427
2054 Apr	176.5974884	0.224093571	0.354874164	0.008721931	53.16109467	0.050428092	55.14121246	0.000921582	0.00089702	4.97538E-06	0.006097333	0.001627109	0.060951438	0.01433083	5.5737E-06	21.77329063	2.40603E-05	0.000277726	0.000237609	0.001499937
2054 May	176.6811829	0.224096358	0.354785949	0.008720563	53.17064667	0.050458491	55.16172791	0.000922631	0.000898077	4.98059E-06	0.006105489	0.001628763	0.060965411	0.01436396	5.5789E-06	21.80382729	2.40851E-05	0.000278096	0.000238091	0.001501227
2054 Jun	173.4918976	0.220465764	0.347072363	0.00847112	51.65881729	0.050140101	53.39577866	0.00092777	0.00090049	5.01347E-06	0.006185479	0.001674321	0.061420608	0.014935382	5.61944E-06	21.79205894	2.41609E-05	0.000287387	0.000243911	0.00148843
2054 Jul	171.4470978	0.219210789	0.343861014	0.008316442	50.55109024	0.050231319	51.96263504	0.000936845	0.000905622	5.07092E-06	0.006285368	0.001734895	0.062709928	0.015455283	5.6969E-06	21.77352524	2.43527E-05	0.000298617	0.000248799	0.001481987
2054 Aug	171.5591278	0.218849376	0.343060642	0.008293726	50.46618271	0.050328426	52.02468872	0.000938669	0.000907171	5.08076E-06	0.006305911	0.001742097	0.062891856	0.01552936	5.70865E-06	21.83731079	2.44221E-05	0.000299879	0.000249802	0.001484705
2054 Sep	171.4654083	0.218498603	0.342277825	0.008269058	50.33963013	0.05038435	51.96947861	0.000940159	0.000908277	5.08901E-06	0.006322735	0.001749233	0.063050181	0.015597452	5.71883E-06	21.8692894	2.44653E-05	0.000301154	0.000250554	0.001485624
2054 Oct	170.9077454	0.218228146	0.341437817	0.008226009	50.01589203	0.050448846	51.57634354	0.000943122	0.000909829	5.10664E-06	0.006353657	0.001768186	0.063490361	0.01573644	5.74295E-06	21.85871696	2.45158E-05	0.000304489	0.000251641	0.00148398
2054 Nov	170.613327	0.218180478	0.341160983	0.008206461	49.85289383	0.05048899	51.35085678	0.000944924	0.000910819	5.11725E-06	0.006370781	0.001778897	0.063742071	0.015812881	5.75739E-06	21.84996605	2.45428E-05	0.00030638	0.000252215	0.001483059
2054 Dec	170.6205292	0.218189478	0.341173649	0.008206777	49.85493469	0.050491374	51.35280609	0.000944976	0.00091087	5.11752E-06	0.006371142	0.001778984	0.063744567	0.015813846	5.75769E-06	21.85109329	2.4544E-05	0.000306396	0.000252229	0.00148313
2055 Jan	170.6203461	0.218189076	0.341172218	0.00820675	49.85484314	0.050491426	51.35261917	0.000944981	0.000910876	5.11755E-06	0.006371181	0.001778989	0.063744374	0.015814027	5.75771E-06	21.85120201	2.45441E-05	0.000306397	0.000252231	0.001483133
2055 Feb	170.6204224	0.218189031	0.341171741	0.008206741	49.85484695	0.050491478	51.35256195	0.000944985	0.000910879	5.11756E-06	0.006371205	0.001778994	0.063744314	0.015814161	5.75773E-06	21.85129738	2.45442E-05	0.000306398	0.000252233	0.001483136
2055 Mar	170.6260986	0.218196198	0.341182739	0.008207007	49.8564949	0.05049317	51.35422516	0.000945018	0.000910911	5.11774E-06	0.006371428	0.001779055	0.063746393	0.015814755	5.75792E-06	21.85206985	2.4545E-05	0.000306409	0.000252242	0.001483186
2055 Apr	170.6734924	0.218256757	0.341277301	0.008209283	49.87033463	0.050507203	51.36846542	0.000945281	0.000911165	5.11917E-06	0.006373204	0.001779551	0.063764066	0.015819186	5.75953E-06	21.85816574	2.45518E-05	0.000306495	0.000252312	0.001483599
2055 May	170.8762817	0.218516052	0.341682702	0.008219034	49.9295845	0.050567217	51.42948532	0.000946405	0.000912248	5.12525E-06	0.00638078	0.001781666	0.063839816	0.015838003	5.76637E-06	21.88414955	2.4581E-05	0.000306859	0.000252613	0.001485362
2055 Jun	164.3851318	0.212503776	0.331076562	0.007850056	47.1988945	0.050264955	48.03387451	0.000963063	0.000918073	5.20087E-06	0.006529013	0.001875048	0.065341994	0.016408715	5.88074E-06	21.40410423	2.46906E-05	0.000324803	0.000253039	0.001449811
2055 Jul	160.8082733	0.20879592	0.325169623	0.007654701	45.76704788	0.050123245	46.31903076	0.000971263	0.000919631	5.23076E-06	0.006592522	0.00192189	0.066057406	0.016634205	5.93651E-06	21.10018539	2.47288E-05	0.000334135	0.000251933	0.001428798
2055 Aug	161.4082489	0.209204003	0.325746447	0.007669613	45.8926239	0.050308529	46.55577469	0.000974363	0.000922642	5.24732E-06	0.006617262	0.001928154	0.066287212	0.016690439	5.95515E-06	21.19107819	2.48294E-05	0.000335169	0.00025288	0.001434479
2055 Sep	161.441925	0.208746001	0.324898154	0.007651934	45.83956528	0.05032685	46.64448547	0.000974303	0.000922721	5.24657E-06	0.006622328	0.001927644	0.066272683	0.016694294	5.95366E-06	21.21801186	2.48519E-05	0.000335051	0.00025301	0.001435473
2055 Oct	161.5170746	0.208699942	0.324775755	0.007649736	45.84230042	0.050352763	46.68976593	0.00097467	0.000923109	5.24842E-06	0.006626714	0.001928262	0.066294812	0.016702179	5.95557E-06	21.23459053	2.48692E-05	0.000335148	0.00025315	0.001436363
2055 Nov	161.5445404	0.20870468	0.324769646	0.007649768	45.84604263	0.050362453	46.70228958	0.000974845	0.000923286	5.24933E-06	0.006628329	0.001928552	0.066303864	0.016705556	5.95653E-06	21.23997879	2.48751E-05	0.000335197	0.000253202	0.00143667
2055 Dec	161.5486298	0.208705768	0.324769586	0.007649789	45.84664917	0.050363854	46.70411301	0.00097487	0.000923311	5.24945E-06	0.006628554	0.001928594	0.066305257	0.016706025	5.95667E-06	21.24074364	2.48759E-05	0.000335205	0.00025321	0.001436714
2056 Jan	161.5496216	0.208706811	0.324770421	0.007649818	45.84689331	0.050364301	46.70426559	0.000974884	0.000923325	5.24953E-06	0.006628654	0.001928613	0.066305518	0.016706325	5.95674E-06	21.24100876	2.48762E-05	0.000335209	0.000253213	0.001436728
2056 Feb	161.5509186	0.208708301	0.324772328	0.007649866	45.84724045	0.050364744	46.7045517	0.000974896	0.000923336	5.24959E-06	0.006628734	0.001928633	0.066305943	0.01670659	5.95681E-06	21.24126816	2.48765E-05	0.000335213	0.000253217	0.001436742
2056 Mar	161.5582733	0.208717674	0.324786663	0.007650206	45.84930801	0.050367046	46.70662689	0.000974942	0.00092338	5.24984E-06	0.006629049	0.001928722	0.066308893	0.01670742	5.95709E-06	21.24228096	2.48776E-05	0.000335228	0.000253229	0.001436809
2056 Apr	161.6112976	0.208786115	0.324893087	0.007652714	45.86435318	0.05038359	46.72193527	0.000975264	0.000923685	5.25156E-06	0.006631234	0.001929357	0.066330627	0.016712945	5.95905E-06	21.24928284	2.48858E-05	0.000335339	0.000253313	0.001437281
2056 May	161.3937683	0.208315089	0.323945671	0.007631244	45.76351547	0.050361708	46.61196899	0.000976875	0.000925132	5.25806E-06	0.006643307	0.001931683	0.066256359	0.016775314	5.96504E-06	21.27495766	2.49051E-05	0.000336027	0.000253997	0.001437095
2056 Jun	157.4547272	0.202658743	0.314172804	0.007373465	44.23379898	0.049916442	44.83794022	0.000986481	0.000927384	5.27564E-06	0.006694179	0.001973739	0.066074297	0.017273923	6.00215E-06	21.19744301	2.48858E-05	0.000346395	0.000257419	0.001416747
2056 Jul	157.6118774	0.202544659	0.313915402	0.007364681	44.20209503	0.05007251	44.85696411	0.000991288	0.000930894	5.29618E-06	0.006725864	0.001986844	0.066331565	0.017393095	6.02889E-06	21.27503204	2.49894E-05	0.000349041	0.000258732	0.001420013
2056 Aug	158.0602264	0.202588737	0.313869864	0.007365702	44.26501846	0.05020941	45.06919479	0.000993442	0.000933062	5.30745E-06	0.006745363	0.001991215	0.06648159	0.017443191	6.0412E-06	21.35894012	2.50711E-05	0.000349758	0.000259624	0.001424681
2056 Sep	158.4159851	0.202771738	0.314077765	0.007371605	44.33116531	0.050318275	45.2181282	0.000995195	0.000934778	5.31674E-06	0.0067604	0.001994884	0.066612035	0.017480301	6.0516E-06	21.41824722	2.51326E-05	0.000350379	0.000260261	0.001428164
2056 Oct	158.2787018	0.202238411	0.313095629	0.007350356	44.24739075	0.050277218	45.23376846	0.000994109	0.000933886	5.31064E-06	0.006757641	0.001992423	0.066521019	0.017471908	6.04401E-06	21.42096901	2.51238E-05	0.000349941	0.000260204	0.00142756
2056 Nov	158.2650146	0.202152878	0.312925756	0.007346783	44.23477936	0.050274692	45.23897552	0.000994049	0.00093386	5.31023E-06	0.006758145	0.001992167	0.066507727	0.017473212	6.04334E-06	21.4241848	2.5125E-05	0.0003499	0.000260229	0.001427598
2056 Dec	158.2689209	0.202157632	0.312931836	0.007346938	44.23582077	0.050276145	45.23989868	0.000994085	0.000933895	5.31041E-06	0.006758396	0.001992225	0.06650915	0.017473904	6.04354E-06	21.42489624	2.51257E-05	0.000349911	0.000260239	0.00142764
2057 Jan	158.2702789	0.202159181	0.312933534	0.007346984	44.23617172	0.050276659	45.24016953	0.000994099	0.000933909	5.31048E-06	0.006758496	0.001992248	0.066509575	0.017474227	6.04362E-06	21.42520142	2.5126E-05	0.000349916	0.000260243	0.001427657
2057 Feb	158.2713165	0.202160344	0.312934935	0.007347021	44.23644638	0.050277006	45.24039841	0.000994109	0.000933918	5.31053E-06	0.006758559	0.001992264	0.06650991	0.017474454	6.04367E-06	21.42541695	2.51262E-05	0.000349919	0.000260246	0.001427668
2057 Mar	158.2849274	0.202177659	0.312961578	0.007347648	44.240242	0.050281338	45.24425125	0.000994196	0.000934	5.311E-06	0.00675915	0.001992437	0.066515572	0.017476019	6.04419E-06	21.42730141	2.51284E-05	0.000349949	0.000260269	0.001427792
2057 Apr	158.3401184	0.202248082	0.313070476	0.007350205	44.2556572	0.05029887	45.26000214	0.000994543	0.000934326	5.31285E-06	0.006761511	0.001993132	0.066538729	0.017482147	6.0463E-06	21.43479538	2.51372E-05	0.000350072	0.000260361	0.00142829
2057 May	158.5010834	0.202393442	0.313237906	0.007354782	44.29364014	0.050352909	45.30161285	0.000995967	0.00093572	5.32018E-06	0.006771659	0.001995513	0.066590212	0.017515374	6.05408E-06	21.46870422	2.51705E-05	0.000350544	0.000260841	0.001430093
2057 Jun	156.2727203	0.198388606	0.305917352	0.007165058	43.16337967	0.050146814	44.2055397	0.001011441	0.00094304	5.36522E-06	0.006864632	0.002047994	0.066935465	0.018059537	6.11752E-06	21.57940102	2.53495E-05	0.000361954	0.000265692	0.001422369
2057 Jul	156.3412323	0.198016346	0.305216968	0.007143199	43.03116989	0.05030974	44.17435074	0.001018699	0.000947466	5.39264E-06	0.006910574	0.002070286	0.067370705	0.018233232	6.15508E-06	21.6744194	2.54984E-05	0.000366349	0.000267428	0.001425518
2057 Aug	157.331543	0.199051514	0.306782275	0.007180445	43.27819443	0.050620262	44.49713516	0.001024517	0.00095922	5.42352E-06	0.006952354	0.002082453	0.067784168	0.018340686	6.19039E-06	21.81657219	2.56604E-05	0.000368461	0.000269097	0.001434624
2057 Sep	157.6668701	0.199154153	0.306873441	0.007183591	43.33211136	0.050717711	44.65427017	0.001025834	0.00095422	5.43057E-06	0.006965063	0.00208553	0.067906931	0.018369798	6.19844E-06	21.87184525	2.57176E-05	0.000368959	0.000269653	0.001437844
2057 Oct	157.7011414	0.198952258	0.30648455	0.007175465	43.31154251	0.050723918	44.7085495	0.001025567	0.000954047	5.42914E-06	0.006966454	0.002085071	0.067901336	0.018370166	6.19661E-06	21.88608551	2.57282E-05	0.000368854	0.00026974	0.0014384
2057 Nov	157.734848	0.198973328	0.306506485	0.007176102	43.31811523	0.050734971	44.72127914	0.00102578	0.000954255	5.43025E-06	0.006968197	0.002085465	0.06791342	0.018374577	6.19783E-06	21.89211845	2.57346E-05	0.000368924	0.000269808	0.001438749
2057 Dec	157.7399597	0.198979557	0.306515038	0.007176314	43.31947708	0.050736781	44.7225647	0.001025823	0.000954296	5.43047E-06	0.006968495	0.00208554	0.067915425	0.018375389	6.19807E-06	21.89297867	2.57356E-05	0.000368938	0.000269819	0.001438802
2058 Jan	157.7396088	0.198978946	0.306513548	0.007176283	43.31935883	0.050736729	44.72236633	0.001025825	0.000954299	5.43048E-06	0.006968515	0.002085539	0.067915142	0.01837549	6.19808E-06	21.89302826	2.57356E-05	0.000368939	0.000269821	0.001438802
2058 Feb	157.7400055	0.198979303	0.306513816	0.007176293	43.31945801	0.050736867	44.72242355	0.00102583	0.000954304	5.4305E-06	0.006968549	0.002085547	0.067915231	0.01837563	6.1981E-06	21.89314651	2.57357E-05	0.00036894	0.000269822	0.001438807
2058 Mar	157.7440643	0.198984355	0.306521416	0.007176472	43.32056427	0.050738178	44.72354126	0.001025858	0.00095433	5.43065E-06	0.006968736	0.002085602	0.06791693	0.018376153	6.19827E-06	21.89374542	2.57364E-05	0.00036895	0.00026983	0.001438845
2058 Apr	157.7781219	0.1990273	0.306587458	0.007178019	43.32991791	0.050749138	44.733181	0.00102608	0.000954536	5.43183E-06	0.006970246	0.002086053	0.06793157	0.018380152	6.19961E-06	21.89849281	2.5742E-05	0.00036903	0.000269889	0.001439156
2058 May	157.8538971	0.19875367	0.305854857	0.007160733	43.26213074	0.050730765	44.71769714	0.001028217	0.000956402	5.44193E-06	0.006988226	0.002091796	0.067993574	0.01848023	6.20838E-06	21.97281265	2.57965E-05	0.000370169	0.000271428	0.001441354
2058 Jun	160.3501892	0.198120058	0.303337544	0.007047754	42.53380585	0.050664987	45.31182098	0.001049205	0.00096288	5.52005E-06	0.007144699	0.002218375	0.071483888	0.019462481	6.31099E-06	22.70863342	2.65155E-05	0.000391358	0.00028697	0.001466805
2058 Jul	161.3055115	0.1985524	0.30403769	0.00705318	42.53744888	0.05085022	45.6523056	0.001055815	0.000965259	5.54327E-06	0.007185489	0.002251265	0.072472967	0.019652963	6.34703E-06	22.88035011	2.67231E-05	0.000396952	0.000289794	0.001474725
2058 Aug	161.9284058	0.198946565	0.304564893	0.00706668	42.66147614	0.05103517	45.89480209	0.001059021	0.000968313	5.56018E-06	0.007211027	0.002258355	0.072714649	0.019723373	6.36619E-06	22.98243523	2.68288E-05	0.000398169	0.000290985	0.001480712
2058 Sep	161.9651031	0.198453009	0.303607494	0.007046832	42.61071014	0.051037513	45.99422073	0.001058365	0.000967953	5.55668E-06	0.00721313	0.002256767	0.072663106	0.019731006	6.3614E-06	23.01612663	2.68456E-05	0.000397894	0.000291283	0.00148175
2058 Oct	161.8741302	0.198076218	0.302868247	0.00703133	42.55596161	0.051011678	46.00357819	0.00105775	0.000967567	5.55326E-06	0.007212676	0.002254789	0.072577558	0.019732846	6.35661E-06	23.02503777	2.68421E-05	0.000397585	0.000291363	0.001481557
2058 Nov	161.8977356	0.198077917	0.302851319	0.00703113	42.55896378	0.051019803	46.0134964	0.001057922	0.000967745	5.55414E-06	0.007214249	0.00225506	0.072583072	0.019737551	6.3575E-06	23.03098106	2.68475E-05	0.000397638	0.000291435	0.001481851
2058 Dec	161.8993683	0.198079735	0.30285278	0.007031175	42.55936432	0.051020484	46.01376343	0.001057943	0.000967766	5.55424E-06	0.007214398	0.002255091	0.072583534	0.019738024	6.3576E-06	23.0314064	2.68479E-05	0.000397644	0.000291442	0.001481873
2059 Jan	161.8987732	0.198078826	0.302850634	0.007031132	42.55918503	0.05102035	46.01347351	0.001057944	0.000967768	5.55424E-06	0.007214408	0.002255087	0.072583087	0.019738127	6.3576E-06	23.03144073	2.68479E-05	0.000397644	0.000291443	0.001481871
2059 Feb	161.8991852	0.198079184	0.302850842	0.00703114	42.5592804	0.051020484	46.01351929	0.001057949	0.000967773	5.55427E-06	0.007214442	0.002255095	0.072583146	0.01973829	6.35763E-06	23.03157806	2.6848E-05	0.000397646	0.000291445	0.001481877
2059 Mar	161.8993988	0.198079392	0.302850932	0.007031144	42.5593338	0.051020555	46.01354218	0.001057952	0.000967775	5.55428E-06	0.007214461	0.002255099	0.072583184	0.01973838	6.35764E-06	23.03165054	2.6848E-05	0.000397647	0.000291447	0.00148188
2059 Apr	161.9408569	0.198130056	0.302928329	0.00703294	42.57022858	0.051033616	46.02530289	0.001058224	0.000968024	5.55571E-06	0.007216313	0.002255678	0.072601736	0.019743467	6.35927E-06	23.03757095	2.68549E-05	0.000397749	0.000291522	0.00148226
2059 May	161.9978638	0.198040172	0.302616686	0.007026684	42.55847931	0.051043864	46.02399445	0.001059592	0.000969302	5.56191E-06	0.007226513	0.002258244	0.072603576	0.019799508	6.36507E-06	23.08141899	2.68839E-05	0.000398347	0.000292349	0.001483646
2059 Jun	162.9051514	0.197673321	0.30114013	0.006982562	42.34819412	0.051073454	46.28789139	0.001068655	0.000972869	5.59138E-06	0.007287805	0.002302371	0.073638216	0.020197038	6.40394E-06	23.3986702	2.71387E-05	0.000406182	0.000298379	0.001493931
2059 Jul	163.8988342	0.19862172	0.302511275	0.007014277	42.56129074	0.051364798	46.60563278	0.001074919	0.000978285	5.62289E-06	0.007332239	0.002317626	0.074114755	0.020330545	6.44058E-06	23.55596542	2.73128E-05	0.000408862	0.000300424	0.001503196
2059 Aug	164.7060394	0.199406818	0.303670406	0.007041712	42.7501564	0.051610395	46.8731575	0.001079609	0.000982608	5.64753E-06	0.007366308	0.002328038	0.074460961	0.020424524	6.46882E-06	23.67730522	2.74467E-05	0.000410672	0.000301904	0.001510684
2059 Sep	164.9575958	0.199333236	0.303423464	0.007037467	42.7735939	0.051679876	47.01295471	0.001080367	0.000983453	5.65157E-06	0.007376237	0.002329831	0.074527606	0.020452952	6.47312E-06	23.7307148	2.74926E-05	0.000410976	0.000302477	0.001513379
2059 Oct	164.2394714	0.197813466	0.300599068	0.006976609	42.51144028	0.051470973	46.88758087	0.001075921	0.000979934	5.62776E-06	0.007355917	0.002318038	0.074070759	0.020409992	6.44313E-06	23.69220924	2.74047E-05	0.00040904	0.000301943	0.001508727
2059 Nov	164.1677399	0.197658941	0.300278485	0.006969902	42.48449326	0.051454313	46.87116623	0.001075684	0.000979803	5.62639E-06	0.007355543	0.002317009	0.074018881	0.020411538	6.44103E-06	23.69257545	2.73987E-05	0.000408891	0.000301956	0.001508416

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2059 Dec	164.1686401	0.197659925	0.300278425	0.006969913	42.48469543	0.051454786	46.87121201	0.0010757	0.00097982	5.62647E-06	0.007355663	0.00231703	0.074018992	0.020411942	6.44111E-06	23.69291115	2.7399E-05	0.000408895	0.000301962	0.001508432
2060 Jan	164.1698303	0.197661251	0.300279558	0.006969946	42.48498917	0.051455226	46.87142181	0.001075713	0.000979832	5.62653E-06	0.007355756	0.002317051	0.074019335	0.020412277	6.44118E-06	23.69321251	2.73992E-05	0.0004089	0.000301966	0.001508446
2060 Feb	164.1715851	0.197663262	0.30028218	0.006970009	42.48543549	0.051455788	46.87184525	0.001075727	0.000979846	5.62661E-06	0.007355852	0.002317079	0.074019998	0.020412616	6.44126E-06	23.6935482	2.73996E-05	0.000408905	0.000301971	0.001508465
2060 Mar	164.1786804	0.197671726	0.300294816	0.006970304	42.48726654	0.051458012	46.87382889	0.001075775	0.000979889	5.62686E-06	0.007356178	0.00231718	0.074023128	0.020413565	6.44154E-06	23.69461823	2.74008E-05	0.000408923	0.000301985	0.001508531
2060 Apr	164.2379456	0.197743058	0.300403059	0.006972817	42.50260162	0.051476594	46.890728	0.001076164	0.000980244	5.62889E-06	0.007358839	0.002318018	0.074049816	0.020420972	6.44387E-06	23.70319748	2.74107E-05	0.000409071	0.000302095	0.001509076
2060 May	164.2694244	0.197335497	0.299134821	0.006945069	42.40534592	0.051440272	46.84694672	0.001078887	0.000982445	5.63964E-06	0.007381017	0.002325335	0.074053362	0.020574274	6.45285E-06	23.81451988	2.74654E-05	0.000410682	0.000304371	0.001511761
2060 Jun	167.322464	0.198713258	0.298883855	0.006920681	42.32539749	0.051849395	47.69298935	0.001104972	0.000994874	5.73218E-06	0.007550145	0.002437319	0.076813139	0.021539053	6.57362E-06	24.62240028	2.81255E-05	0.000430447	0.000318628	0.001542629
2060 Jul	168.4979553	0.19976677	0.30032602	0.006952824	42.53726578	0.052173715	48.075634	0.00111294	0.001000672	5.76768E-06	0.007602652	0.002460802	0.077493176	0.021726092	6.61767E-06	24.82325935	2.83367E-05	0.000434603	0.000321384	0.001553429
2060 Aug	168.9755402	0.199761361	0.300137758	0.006950653	42.5990715	0.052309111	48.31431198	0.001114679	0.001002496	5.77694E-06	0.007620767	0.002464863	0.077635907	0.021782098	6.62779E-06	24.91858292	2.84177E-05	0.000435298	0.000322452	0.001558373
2060 Sep	168.4331055	0.19824782	0.297335446	0.006890809	42.36378098	0.05215542	48.2709465	0.001110938	0.000999602	5.75657E-06	0.007603971	0.002455083	0.0772494	0.021759083	6.60188E-06	24.91280746	2.83452E-05	0.000433706	0.000322265	0.001555304
2060 Oct	168.8669281	0.198427096	0.297292829	0.006888524	42.3501358	0.052269757	48.44641495	0.001114616	0.001001008	5.76793E-06	0.007626366	0.00247072	0.07769002	0.02184695	6.61858E-06	25.00175858	2.84233E-05	0.000436259	0.000323329	0.00155931
2060 Nov	169.1076355	0.198606104	0.297433943	0.00689062	42.35095978	0.052331239	48.53473282	0.001116618	0.001001718	5.77417E-06	0.007637936	0.002479482	0.077946916	0.021890095	6.62802E-06	25.04372215	2.84643E-05	0.000437675	0.000323824	0.001561328
2060 Dec	169.1128235	0.198612139	0.297441036	0.006890799	42.35223389	0.052333094	48.53595734	0.001116664	0.001001762	5.77441E-06	0.007638261	0.002479567	0.077948928	0.021891115	6.62828E-06	25.04473495	2.84653E-05	0.000437691	0.000323838	0.001561385
2061 Jan	169.1124573	0.198611632	0.297439247	0.006890765	42.3521347	0.052333079	48.53570557	0.001116668	0.001001766	5.77442E-06	0.00763829	0.002479567	0.077948533	0.021891287	6.62829E-06	25.04483414	2.84653E-05	0.000437691	0.0003238	0.001561386
2061 Feb	169.1125793	0.198611662	0.2974388	0.006890757	42.35215759	0.052333128	48.53564835	0.001116671	0.00100177	5.77444E-06	0.007638313	0.002479571	0.077948436	0.021891441	6.62831E-06	25.04494667	2.84654E-05	0.000437693	0.000323842	0.00156139
2061 Mar	169.1164398	0.198616132	0.297445208	0.006890908	42.35312271	0.052334338	48.53670883	0.001116698	0.001001794	5.77458E-06	0.007638498	0.002479629	0.077950135	0.021892017	6.62846E-06	25.04557037	2.8466E-05	0.000437703	0.000323851	0.001561427
2061 Apr	169.1751404	0.19868502	0.297548234	0.006893296	42.36782074	0.052352503	48.55352783	0.001117086	0.001002143	5.77659E-06	0.007641154	0.002480491	0.077977143	0.021899655	6.63077E-06	25.05429077	2.84759E-05	0.000437855	0.000323964	0.00156197
2061 May	170.0970306	0.199119717	0.29749462	0.006888494	42.33583069	0.052490082	48.83323669	0.001125432	0.001005351	5.80244E-06	0.007687365	0.002517194	0.078903936	0.022170093	6.66721E-06	25.28366661	2.86449E-05	0.000444184	0.00032769	0.001570588
2061 Jun	170.6792603	0.197447926	0.294111788	0.006799507	41.73019791	0.052354615	49.44873428	0.001138779	0.000994744	5.7704E-06	0.007682771	0.002624583	0.081288837	0.02266793	6.69087E-06	25.61979675	2.87737E-05	0.000463693	0.000333072	0.001570888
2061 Jul	171.3741455	0.197905913	0.294807583	0.00681642	41.85281754	0.052573238	49.74326324	0.001144038	0.000997521	5.7876E-06	0.007709917	0.002641658	0.08173991	0.022776324	6.71715E-06	25.74274063	2.88985E-05	0.000466847	0.000334496	0.001576875
2061 Aug	172.2198639	0.198677257	0.29591012	0.006842549	42.03925323	0.052826136	50.02999496	0.001148973	0.001001914	5.8128E-06	0.007745545	0.002653309	0.08211568	0.022880958	6.74635E-06	25.87517357	2.90393E-05	0.000468875	0.000336138	0.001584766
2061 Sep	172.4965515	0.198655352	0.295773566	0.006840541	42.07265854	0.052901205	50.1791954	0.001149648	0.001002666	5.8166E-06	0.007754533	0.002655212	0.082198538	0.022906017	6.75062E-06	25.92725945	2.90841E-05	0.000469178	0.000336678	0.001587524
2061 Oct	171.8696594	0.19735086	0.293394893	0.006789309	41.85945129	0.052720327	50.08244705	0.00114489	0.000999123	5.79305E-06	0.007732037	0.002642445	0.081762984	0.022847354	6.72102E-06	25.88257408	2.89943E-05	0.000467008	0.000335989	0.001583242
2061 Nov	171.6637878	0.196976483	0.292680979	0.006774081	41.79466629	0.052666571	50.03600311	0.001143691	0.00099829	5.78708E-06	0.007726565	0.002638739	0.081621811	0.022835031	6.71312E-06	25.86986732	2.89671E-05	0.000466403	0.00033582	0.001581935
2061 Dec	171.666748	0.196979865	0.292684108	0.006774168	41.79537201	0.052667707	50.03659821	0.001143722	0.000998319	5.78724E-06	0.007726787	0.002638791	0.081622817	0.022835772	6.71329E-06	25.87055779	2.89677E-05	0.000466413	0.00033583	0.00158197
2062 Jan	171.6673431	0.196980476	0.292683989	0.006774172	41.79550934	0.052667975	50.03661728	0.001143732	0.000998329	5.78729E-06	0.007726857	0.002638805	0.081622839	0.022836071	6.71333E-06	25.87079811	2.89679E-05	0.000466416	0.000335834	0.001581981
2062 Feb	171.6690521	0.196982354	0.292686254	0.006774228	41.79592896	0.052668516	50.03702164	0.001143746	0.000998342	5.78736E-06	0.007726952	0.002638834	0.081623495	0.022836439	6.71341E-06	25.87115288	2.89682E-05	0.000466422	0.000335839	0.001581999
2062 Mar	171.6863708	0.197002172	0.2927154	0.006774905	41.8001442	0.052673835	50.04202271	0.001143863	0.000998445	5.78795E-06	0.007727742	0.002639101	0.081631646	0.022838818	6.71409E-06	25.87381363	2.89711E-05	0.000466469	0.000335874	0.00158216
2062 Apr	171.7494507	0.197074533	0.292822778	0.006777391	41.81550598	0.052693199	50.06038284	0.001144284	0.000998812	5.79008E-06	0.007730587	0.002640072	0.081661597	0.022847254	6.71657E-06	25.88335037	2.89818E-05	0.000466641	0.000335998	0.001582742
2062 May	171.9256592	0.197276697	0.293123037	0.006784341	41.85840225	0.052747257	50.11172485	0.001145458	0.000999838	5.79602E-06	0.007738521	0.002642781	0.081745341	0.022870716	6.72346E-06	25.90992165	2.90115E-05	0.00046712	0.000336343	0.001584366
2062 Jun	170.5952606	0.194497541	0.288955599	0.006699015	41.19417191	0.052486587	50.04271317	0.001151808	0.00099491	5.77195E-06	0.007742417	0.002671667	0.082227953	0.02273375	6.72235E-06	25.73243332	2.90323E-05	0.000472385	0.000331617	0.001570843
2062 Jul	169.7566833	0.192564294	0.286532402	0.006650962	40.75016403	0.052386083	50.16413498	0.001157635	0.000990127	5.74986E-06	0.007741039	0.00269993	0.08283665	0.022575995	6.72627E-06	25.57205772	2.90737E-05	0.000477477	0.000326936	0.00156021
2062 Aug	169.874115	0.19204995	0.285547316	0.006631782	40.71631622	0.052435882	50.30405426	0.001157658	0.000990752	5.75095E-06	0.007749224	0.002697909	0.082784332	0.022583796	6.72557E-06	25.61763191	2.91071E-05	0.000477073	0.000327217	0.001562333
2062 Sep	169.6964111	0.191325128	0.284572959	0.006612398	40.57320023	0.052453	50.45486069	0.001158442	0.000988278	5.7389E-06	0.007743495	0.002705624	0.083018377	0.022496672	6.722E-06	25.56420326	2.91037E-05	0.000478189	0.000325223	0.0015595
2062 Oct	167.3630524	0.188414276	0.281211942	0.006541006	39.77183151	0.052176975	50.50406647	0.001156288	0.000967798	5.63776E-06	0.007642536	0.00273655	0.08380793	0.021907125	6.66809E-06	25.0042038	2.87895E-05	0.000482793	0.000312005	0.001529225
2062 Nov	167.2243805	0.18828164	0.281000465	0.006536773	39.73351669	0.052166145	50.48751068	0.001156271	0.000967053	5.63374E-06	0.007638887	0.00273739	0.08381144	0.021883536	6.6658E-06	24.97886467	2.87718E-05	0.00048293	0.000311415	0.001527804
2062 Dec	167.2280884	0.188285962	0.281005353	0.006536901	39.73439407	0.052167602	50.48844147	0.001156308	0.000967087	5.63392E-06	0.007639146	0.002737456	0.083813041	0.021884242	6.666E-06	24.97957611	2.87726E-05	0.000482942	0.000311424	0.001527846
2063 Jan	167.228653	0.188286617	0.281005472	0.006536911	39.73452759	0.052167904	50.48849106	0.001156317	0.000967096	5.63397E-06	0.007639217	0.002737469	0.083813146	0.021884462	6.66605E-06	24.97976494	2.87728E-05	0.000482944	0.000311427	0.001527855
2063 Feb	167.2301788	0.188288286	0.281007528	0.006536962	39.73488617	0.052168414	50.48887253	0.001156331	0.000967108	5.63404E-06	0.007639305	0.002737495	0.083813787	0.021884758	6.66612E-06	24.98005867	2.87731E-05	0.000482949	0.000311431	0.001527871
2063 Mar	167.233963	0.188292533	0.281013608	0.006537105	39.73578262	0.052169614	50.48997879	0.001156358	0.000967132	5.63417E-06	0.007639489	0.002737558	0.083815612	0.021885308	6.66628E-06	24.98066139	2.87737E-05	0.000482961	0.000311439	0.001527907
2063 Apr	167.2673798	0.188330144	0.281069636	0.00653841	39.74372482	0.052180056	50.50004578	0.00115659	0.000967326	5.6353E-06	0.007641022	0.002738105	0.083832331	0.021889711	6.66762E-06	24.9856739	2.87795E-05	0.000483057	0.000311501	0.001528213
2063 May	166.9186401	0.187879235	0.280223429	0.00652154	39.64492416	0.052132521	50.43039703	0.001157132	0.000966239	5.6281E-06	0.007635561	0.002740636	0.083762445	0.021887304	6.66365E-06	24.96240997	2.87457E-05	0.000483728	0.000310969	0.001525463
2063 Jun	158.7381744	0.178013951	0.265983373	0.006219441	37.76215363	0.050317932	48.804142	0.00113705	0.000920869	5.35953E-06	0.007308824	0.002730418	0.081346594	0.021276409	6.44899E-06	24.01954651	2.76353E-05	0.000486585	0.000295677	0.001447292
2063 Jul	157.1830139	0.175855726	0.263454944	0.006166219	37.41975021	0.049984593	48.66385269	0.001132037	0.000909817	5.29543E-06	0.007230944	0.002728207	0.080957353	0.02106672	6.40107E-06	23.79090881	2.74305E-05	0.000487147	0.00029137	0.001430409
2063 Aug	157.9232941	0.176471278	0.264316827	0.00618731	37.57551575	0.050215617	48.930439	0.001136702	0.000913765	5.31786E-06	0.007263791	0.002739216	0.081299007	0.021158731	6.42767E-06	23.90943718	2.75598E-05	0.000489081	0.000292748	0.001437375
2063 Sep	158.0562897	0.176271424	0.26385352	0.006178523	37.57329941	0.050260078	49.02316666	0.001136993	0.000914472	5.32048E-06	0.0072714	0.002738663	0.081288666	0.021175353	6.4292E-06	23.94798088	2.75886E-05	0.000488979	0.000293119	0.001439234
2063 Oct	157.8732147	0.175765142	0.262903571	0.00615827	37.49858093	0.050206158	49.01306534	0.001135101	0.000913403	5.31281E-06	0.007265544	0.002732845	0.081119202	0.021150831	6.41835E-06	23.93807793	2.75646E-05	0.000487934	0.000292901	0.001438254
2063 Nov	157.8700256	0.175722986	0.262806714	0.006156338	37.4937706	0.050207075	49.01672363	0.001135067	0.000913455	5.31284E-06	0.007266237	0.002732477	0.081105925	0.021151913	6.41806E-06	23.9409523	2.75659E-05	0.000487872	0.000292926	0.001438357
2063 Dec	157.8779297	0.175731808	0.262818456	0.006156626	37.4956398	0.050209813	49.01895523	0.001135134	0.000913512	5.31316E-06	0.007266685	0.002732618	0.081109658	0.021153223	6.41843E-06	23.94232941	2.75674E-05	0.000487898	0.000292944	0.001438437
2064 Jan	157.8786469	0.175732538	0.262818754	0.00615664	37.49580383	0.050210126	49.01904297	0.001135145	0.000913523	5.31321E-06	0.007266759	0.002732633	0.081109814	0.021153484	6.41848E-06	23.94255066	2.75676E-05	0.000487902	0.000292947	0.001438447
2064 Feb	157.8811035	0.17573522	0.26282233	0.006156727	37.49638748	0.050210927	49.0197258	0.001135165	0.00091354	5.3133E-06	0.007266891	0.002732677	0.081110939	0.021153925	6.4186E-06	23.94299889	2.75681E-05	0.00048791	0.000292953	0.001438472
2064 Mar	157.8997192	0.175755873	0.262853026	0.006157448	37.5008049	0.05021685	49.02545547	0.0011353	0.000913649	5.31394E-06	0.007267757	0.002733	0.081120431	0.021156477	6.41936E-06	23.94586182	2.75714E-05	0.000487968	0.000292989	0.001438643
2064 Apr	157.9338684	0.175793871	0.26290974	0.006158777	37.50891876	0.050227717	49.03603745	0.001135546	0.000913848	5.31509E-06	0.007269335	0.002733592	0.081137933	0.021161085	6.42075E-06	23.95106506	2.75773E-05	0.000488073	0.000293053	0.001438954
2064 May	158.2650909	0.175561264	0.26241985	0.006148155	37.45298004	0.050190214	49.22432709	0.001137894	0.000913275	5.31552E-06	0.007276957	0.002748864	0.081536241	0.021240674	6.42677E-06	24.0315094	2.76433E-05	0.000490707	0.000294267	0.001441175
2064 Jun	158.9302063	0.173164383	0.259189278	0.006071115	36.96314621	0.049636856	50.2204895	0.001139829	0.000895076	5.23766E-06	0.007210219	0.00282465	0.08348681	0.021400798	6.39384E-06	24.21247864	2.77443E-05	0.000504158	0.000296607	0.001436934
2064 Jul	159.4418335	0.173278853	0.259280741	0.006075167	37.03757858	0.04977471	50.4641037	0.001142865	0.000897133	5.24899E-06	0.007230616	0.002833438	0.083724856	0.021474395	6.40905E-06	24.31237984	2.78414E-05	0.00050578	0.000297773	0.001441792
2064 Aug	159.7669373	0.173148081	0.258920044	0.00606907	37.06987	0.049869075	50.63874435	0.001143917	0.000898563	5.25562E-06	0.007244057	0.002834989	0.083782844	0.021515204	6.41525E-06	24.38509369	2.78995E-05	0.000506017	0.0002986	0.001445534
2064 Sep	159.7914734	0.172498241	0.257732749	0.006044157	36.98193741	0.04984637	50.76651001	0.001143056	0.000897397	5.24867E-06	0.007241355	0.002835289	0.083802521	0.02151092	6.40768E-06	24.41260147	2.79012E-05	0.000505903	0.000298676	0.001446113
2064 Oct	160.0334778	0.172567621	0.257816374	0.006046337	36.99122238	0.049893606	50.8945694	0.001144552	0.000897635	5.25174E-06	0.00724818	0.002842448	0.08403001	0.021531133	6.41401E-06	24.44555664	2.79382E-05	0.000507016	0.000298902	0.001447842
2064 Nov	160.0865173	0.172624797	0.2579	0.006048313	37.00348282	0.049910385	50.91113663	0.001144944	0.000897946	5.25355E-06	0.007250676	0.002843394	0.084057398	0.02153861	6.41619E-06	24.45389557	2.79476E-05	0.000507186	0.000299005	0.001448331
2064 Dec	160.0909424	0.17262958	0.257906169	0.006048466	37.00450897	0.049911898	50.91238785	0.001144982	0.000897978	5.25373E-06	0.007250926	0.002843476	0.084059484	0.021539386	6.4164E-06	24.45469856	2.79484E-05	0.000507201	0.000299015	0.001448376
2065 Jan	160.0913544	0.172629997	0.257906258	0.006048473	37.00460434	0.04991208	50.91242981	0.001144988	0.000897985	5.25376E-06	0.007250971	0.002843485	0.084059551	0.021539561	6.41643E-06	24.45484352	2.79485E-05	0.000507203	0.000299018	0.001448382
2065 Feb	160.0940399	0.172632828	0.257910252	0.006048568	37.00522614	0.049912922	50.91322327	0.001145009	0.000898001	5.25385E-06	0.007251102	0.002843533	0.084060863	0.021539997	6.41655E-06	24.45530319	2.7949E-05	0.000507212	0.000299024	0.001448408
2065 Mar	160.1150513	0.172655463	0.257943928	0.006049358	37.01008606	0.049919479	50.91987228	0.00114516	0.00089812	5.25455E-06	0.00725206	0.002843907	0.084071845	0.021542864	6.41739E-06	24.45853996	2.79527E-05	0.000507279	0.000299064	0.001448599
2065 Apr	160.1763611	0.17272155	0.258042604	0.006051673	37.02425766	0.049938597	50.93935013	0.001145599	0.000898465	5.25656E-06	0.00725484	0.002844996	0.084104002	0.021551138	6.41985E-06	24.46792221	2.79634E-05	0.000507473	0.000299179	0.001449154
2065 May	160.4255524	0.172617555	0.257619321	0.006043342	37.00660324	0.049946573	51.01992035	0.001147608	0.000899846	5.26475E-06	0.00726904	0.002851915	0.084254414	0.021633271	6.42804E-06	24.54584503	2.80147E-05	0.00050867	0.000300501	0.001452104
2065 Jun	162.9912567	0.172221735	0.25684917	0.00602218	36.85721588	0.04987916	52.40375519	0.001159319	0.000894754	5.26381E-06	0.007299052	0.002943088	0.08700338	0.021994717	6.46287E-06	24.98346519	2.83892E-05	0.000523379	0.000306419	0.001467619
2065 Jul	164.1221008	0.172889337	0.257968783	0.006048446	37.01890182	0.050130162	52.91490173	0.001166393	0.000897593	5.28451E-06	0.007334117	0.002970388	0.087822005	0.022122564	6.49706E-06	25.15166092	2.85807E-05	0.000528088	0.000308207	0.001476196
2065 Aug	164.8765411	0.173389226	0.258630216	0.006065145	37.16341019	0.050353784	53.20952606	0.001170648	0.000901179	5.30486E-06	0.007365241	0.002981008	0.088158816	0.022214249	6.52131E-06	25.27687645	2.87095E-05	0.00052994	0.000309662	0.001483301
2065 Sep	164.5406952	0.172346428	0.256674975	0.006023416	37.02342224	0.050254162	53.20171738	0.001166544	0.000899104	5.28942E-06	0.00735249	0.002968157	0.087787658	0.022171723	6.49866E-06	25.26756096	2.86584E-05	0.000527651	0.000309426	0.001481782
2065 Oct	165.384964	0.172201931	0.255805016	0.00600426	36.88085556	0.050321672	53.77597046	0.001169808	0.000896458	5.28579E-06	0.007373977	0.00299775	0.088885278	0.022169601	6.50646E-06	25.3515377	2.87778E-05	0.000531531	0.000309041	0.001486844
2065 Nov	165.6642761	0.172367021	0.255915552	0.006006671	36.87302399	0.050369784	53.92832565	0.001171524	0.000896301	5.28813E-06	0.007383291	0.003007657	0.089224361	0.022179624	6.51322E-06	25.3781395	2.88202E-05	0.000532971	0.000308991	0.00148855
2065 Dec	165.6656342	0.172368646	0.255916089	0.006006698	36.87334061	0.050370477	53.92849731	0.001171545	0.000896322	5.28823E-06	0.007383443	0.003007686	0.089224674	0.022180106	6.51333E-06	25.37855911	2.88205E-05	0.000532977	0.000308997	0.001488571
2066 Jan	165.6668854	0.172370002	0.255917072	0.006006729	36.87363052	0.050370969	53.92873764	0.001171559	0.000896335	5.2883E-06	0.007383544	0.003007711	0.089225084	0.022180466	6.5134E-06	25.37888527	2.88208E-05	0.000532982	0.000309002	0.001488587
2066 Feb	165.6734467	0.172376826	0.255926698	0.006006957	36.87509918	0.050372995	53.93077469	0.001171608	0.000896374	5.28853E-06	0.007383857	0.003007831	0.089228444	0.022181472	6.51367E-06	25.37997627	2.8822E-05	0.000533004	0.000309016	0.001488648
2066 Mar	165.7065735	0.172411263	0.255977571	0.006008153	36.88247681	0.05038308	53.94150162	0.001171844	0.000896555	5.28959E-06	0.007385344	0.003008433	0.089246191	0.022185976	6.51498E-06	25.3850975	2.88278E-05	0.000533111	0.000309078	0.001488947
2066 Apr	165.7499695	0.172456414	0.256044418	0.006009724	36.89213562	0.050396286	53.95560074	0.001172151	0.000896791	5.29098E-06	0.007387284	0.003009222	0.089269511	0.022191826	6.51669E-06	25.39177132	2.88353E-05	0.000533251	0.00030916	0.001489338
2066 May	165.8950958	0.172589839	0.256197572	0.006013647	36.92178726	0.050441749	53.9991188	0.001173351	0.000897784	5.2965E-06	0.007395334	0.003011962	0.089337915	0.022219149	6.52305E-06	25.4201088	2.88633E-05	0.000533759	0.000309541	0.001490826
2066 Jun	165.6247406	0.170972288	0.253019571	0.005948967	36.42583084	0.050235949	54.4430542	0.00118262	0.000891185	5.2692E-06	0.007409046	0.003066893	0.090591103	0.022213839	6.52979E-06	25.41455078	2.8975E-05	0.000543355	0.000306828	0.001484294
2066 Jul	166.2094116	0.171186328	0.253407687	0.005961334	36.48572922	0.050437562	54.81827545	0.001189627	0.000893341	5.28308E-06	0.007440816	0.003089862	0.091192283	0.022265827	6.55842E-06	25.49787712	2.91283E-05	0.000547519	0.000306816	0.001488316
2066 Aug	166.9625397	0.171696737	0.254083812	0.005978471	36.62846375	0.050665043	55.11400223	0.001194057	0.000897	5.3039E-06	0.007472952	0.003100873	0.091541782	0.02235469	6.5834E-06	25.62047768	2.92595E-05	0.00054942	0.000308187	0.001495399
2066 Sep	167.0872192	0.171465009	0.253567696	0.005968342	36.62387466	0.05070674	55.21844101	0.001193734	0.00089731	5.30429E-06	0.007478414	0.003098893	0.091511615	0.02235835	6.58227E-06	25.65306473	2.92839E-05	0.000549023	0.000308428	0.001497137
2066 Oct	166.7433777	0.170829579	0.252345026	0.005942395	36.52269363	0.05062766	55.13740921	0.00119116	0.000896209	5.29521E-06	0.007470595	0.0030892	0.091210924	0.022322163	6.56786E-06	25.62602043	2.92386E-05	0.000547329	0.000308017	0.001495234

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2066 Nov	166.6537476	0.170662299	0.252016336	0.005935453	36.49605942	0.050608143	55.11639786	0.001190504	0.000895948	5.29295E-06	0.007468806	0.003086638	0.091130853	0.022313066	6.56416E-06	25.61944962	2.92271E-05	0.000546881	0.000307912	0.001494765
2066 Dec	166.662384	0.170671314	0.252028018	0.005935743	36.49796295	0.050611038	55.1190033	0.001190577	0.000896008	5.29328E-06	0.007469284	0.003086802	0.091135211	0.022314476	6.56456E-06	25.62095642	2.92288E-05	0.000546911	0.00030793	0.001494851
2067 Jan	166.6639862	0.170673013	0.252029657	0.005935789	36.49832153	0.050611641	55.11938477	0.001190594	0.000896023	5.29336E-06	0.007469403	0.003086834	0.091135859	0.022314861	6.56465E-06	25.62131882	2.92291E-05	0.000546917	0.000307936	0.00149487
2067 Feb	166.6695099	0.17067863	0.252037525	0.005935977	36.49953461	0.050613344	55.12111282	0.001190636	0.000896056	5.29355E-06	0.00746967	0.003086937	0.091138721	0.022315711	6.56487E-06	25.62224388	2.92301E-05	0.000546936	0.000307947	0.001494921
2067 Mar	166.68573	0.17069523	0.252061784	0.00593655	36.5030899	0.050618287	55.1264267	0.001190753	0.000896145	5.29408E-06	0.007470408	0.003087238	0.091147505	0.022317944	6.56552E-06	25.62477875	2.9233E-05	0.000546989	0.000307978	0.001495068
2067 Apr	166.7213287	0.170731664	0.252115458	0.005937815	36.51088715	0.050629105	55.13817215	0.001191008	0.000896337	5.29521E-06	0.00747201	0.003087897	0.091166921	0.022322746	6.56693E-06	25.63027573	2.92393E-05	0.000547106	0.000308044	0.001495388
2067 May	166.6015167	0.170491442	0.251470536	0.005925395	36.47776413	0.050614797	55.05939865	0.001191676	0.000897797	5.30045E-06	0.007480832	0.003085339	0.090992182	0.022366337	6.56898E-06	25.6577034	2.92454E-05	0.000546874	0.000308669	0.001495877
2067 Jun	167.4109344	0.169807971	0.249374509	0.005885337	36.32315445	0.050607193	55.43592072	0.001201505	0.000902289	5.32829E-06	0.007544568	0.003119924	0.091769733	0.022629714	6.60395E-06	25.913414	2.94913E-05	0.000552946	0.000312281	0.00150496
2067 Jul	168.4395905	0.17058149	0.250401646	0.005911013	36.50692749	0.050898381	55.81756973	0.001208771	0.00090758	5.35927E-06	0.007592318	0.003139429	0.092336833	0.022771789	6.64245E-06	26.08490753	2.9683E-05	0.000556376	0.000314292	0.001514442
2067 Aug	168.907196	0.170663595	0.250361115	0.005912393	36.57720184	0.051046081	56.02871323	0.001211152	0.00091005	5.37197E-06	0.007613821	0.003143959	0.092479713	0.022831859	6.65599E-06	26.17684555	2.97678E-05	0.00055713	0.000315328	0.001519506
2067 Sep	169.0600586	0.170508921	0.24997288	0.005905083	36.58440018	0.051097341	56.12901306	0.001211286	0.000910683	5.37428E-06	0.00762086	0.003143135	0.092471026	0.022846531	6.65722E-06	26.2154026	2.97961E-05	0.00055696	0.0003157	0.001521505
2067 Oct	168.4709625	0.169520199	0.24810867	0.005865019	36.42273712	0.050953608	55.97642899	0.001206792	0.000908499	5.35775E-06	0.007603945	0.003127408	0.091980696	0.022785746	6.63229E-06	26.16359138	2.97093E-05	0.000554212	0.000315012	0.001517924
2067 Nov	168.3695679	0.169363201	0.247777209	0.005858104	36.39599609	0.050934475	55.94351959	0.001206266	0.000908387	5.35617E-06	0.007602841	0.003124874	0.091891058	0.022780905	6.62916E-06	26.1580658	2.9697E-05	0.000553786	0.000314949	0.001517457
2067 Dec	168.3800354	0.169373468	0.247790277	0.00585843	36.39823914	0.050937925	55.94683456	0.00120635	0.000908455	5.35656E-06	0.007603401	0.003125066	0.091896243	0.022782577	6.62962E-06	26.15990448	2.9699E-05	0.00055382	0.000314971	0.001517561
2068 Jan	168.3826141	0.16937612	0.247793123	0.005858505	36.39880753	0.05093883	55.94750595	0.001206375	0.000908477	5.35667E-06	0.007603568	0.003125116	0.091897361	0.02278313	6.62975E-06	26.16044426	2.96995E-05	0.00055383	0.000314979	0.001517589
2068 Feb	168.3868866	0.169380397	0.24779886	0.005858644	36.39974213	0.05094016	55.94881439	0.001206409	0.000908503	5.35683E-06	0.007603783	0.003125196	0.091899514	0.022783842	6.62993E-06	26.16119957	2.97003E-05	0.000553845	0.000314989	0.00151763
2068 Mar	168.4165955	0.169410273	0.247842252	0.005859673	36.40616608	0.05094916	55.95862198	0.001206623	0.000908666	5.35778E-06	0.007605135	0.003125748	0.091915615	0.022787936	6.6311E-06	26.16586304	2.97056E-05	0.000553943	0.000315045	0.0015179
2068 Apr	168.5355988	0.169529989	0.248017251	0.005863811	36.43189621	0.050985176	55.99813461	0.001207477	0.000909309	5.36157E-06	0.007610517	0.003127958	0.091980524	0.022804081	6.63579E-06	26.18438339	2.97266E-05	0.000554334	0.000315268	0.001518973
2068 May	169.1844635	0.169803619	0.247991562	0.005865525	36.46914291	0.051088244	56.19462967	0.001212955	0.000913108	5.38469E-06	0.007648008	0.003144644	0.092411317	0.022952238	6.66166E-06	26.32886696	2.98579E-05	0.000557153	0.000317435	0.001525748
2068 Jun	172.5529938	0.170068115	0.246855572	0.005845875	36.36146545	0.051195867	57.75119019	0.001243074	0.000918479	5.44117E-06	0.007780316	0.00328456	0.095978253	0.023710012	6.77141E-06	27.05748367	3.05371E-05	0.000581303	0.000327443	0.001551467
2068 Jul	172.9241486	0.170020998	0.246708691	0.005844988	36.39700317	0.051292691	57.96281815	0.001246609	0.000920151	5.45007E-06	0.007798933	0.00329526	0.096211568	0.023780443	6.78589E-06	27.14326477	3.06267E-05	0.000583349	0.000328335	0.001554928
2068 Aug	173.7803497	0.170692056	0.247612804	0.005867391	36.56466293	0.051548634	58.2747879	0.001252266	0.000924632	5.47581E-06	0.007837281	0.003309547	0.096634895	0.023895985	6.81699E-06	27.28593254	3.07785E-05	0.000585865	0.000330033	0.001562972
2068 Sep	173.8321838	0.170375988	0.246939361	0.005853795	36.54713058	0.051571548	58.3480835	0.001251473	0.000924778	5.47472E-06	0.007840343	0.003305768	0.096537925	0.023899103	6.81335E-06	27.31443214	3.07905E-05	0.000585187	0.000330299	0.001564288
2068 Oct	173.7962952	0.170232326	0.246606365	0.005847101	36.5314064	0.051571269	58.3443985	0.001251197	0.000924968	5.47465E-06	0.007841934	0.003303677	0.096463725	0.023902692	6.81179E-06	27.32195091	3.07899E-05	0.000584844	0.000330398	0.001564513
2068 Nov	173.8406372	0.170272127	0.246653855	0.00584832	36.54049683	0.051585641	58.35865784	0.001251552	0.000925261	5.47628E-06	0.007844352	0.003304477	0.09648481	0.023910116	6.81369E-06	27.33011436	3.07984E-05	0.00058499	0.0003305	0.001564961
2068 Dec	173.8492584	0.17028065	0.246665061	0.005848595	36.54232788	0.051588371	58.36133575	0.001251622	0.000925317	5.4766E-06	0.007844805	0.003304643	0.096489258	0.023911521	6.81406E-06	27.33161926	3.08E-05	0.00058502	0.000330519	0.001565044
2069 Jan	173.850647	0.170282036	0.246666431	0.005848633	36.54262924	0.051588852	58.36167526	0.001251636	0.000925329	5.47666E-06	0.007844899	0.00330467	0.096489832	0.023911854	6.81413E-06	27.33193398	3.08003E-05	0.000585025	0.000330524	0.00156506
2069 Feb	173.8534088	0.170284718	0.246670008	0.00584872	36.54322052	0.05158969	58.36252975	0.001251658	0.000925346	5.47676E-06	0.007845038	0.003304724	0.096491233	0.023912327	6.81425E-06	27.33242989	3.08009E-05	0.000585035	0.00033053	0.001565087
2069 Mar	173.8552399	0.170286492	0.246672392	0.005848778	36.54360962	0.051590241	58.36310196	0.001251672	0.000925357	5.47683E-06	0.007845128	0.003304759	0.096492179	0.023912631	6.81433E-06	27.33275223	3.08012E-05	0.000585042	0.000330535	0.001565105
2069 Apr	173.8858185	0.170316443	0.24671568	0.005849805	36.55003738	0.05159932	58.37334442	0.001251893	0.000925521	5.47779E-06	0.007846512	0.00330534	0.096509106	0.023916867	6.81553E-06	27.33757973	3.08066E-05	0.000585145	0.000330593	0.00156538
2069 May	174.1529541	0.170560554	0.247043937	0.005857836	36.6053772	0.051679742	58.46083069	0.001253891	0.000927092	5.48679E-06	0.007859525	0.003310265	0.096644938	0.023958616	6.82633E-06	27.38384438	3.08558E-05	0.000586036	0.000331182	0.001567923
2069 Jun	173.91008	0.168761134	0.243979067	0.005798563	36.26901245	0.051476423	58.51138306	0.001261594	0.000930189	5.50171E-06	0.00790298	0.003328822	0.096897356	0.024033748	6.8457E-06	27.4391346	3.10136E-05	0.000589488	0.000331386	0.001567175
2069 Jul	174.9350281	0.169108421	0.244565457	0.005815908	36.36151505	0.051712047	58.99214172	0.001271245	0.000935043	5.53215E-06	0.007957426	0.003358214	0.097736098	0.024149632	6.88967E-06	27.59384537	3.12568E-05	0.000594548	0.000332584	0.001575368
2069 Aug	175.464325	0.169249728	0.244658351	0.005820071	36.44363022	0.0518714	59.23402023	0.001273759	0.000937465	5.54509E-06	0.007979666	0.003363726	0.097929627	0.0242057	6.90422E-06	27.68742371	3.13508E-05	0.000595465	0.00033357	0.001580664
2069 Sep	175.4642639	0.168619528	0.24352847	0.005796778	36.34136963	0.051856432	59.38064194	0.001273132	0.000936219	5.53819E-06	0.007981326	0.00336406	0.098004155	0.024155084	6.89765E-06	27.68247223	3.13671E-05	0.000595203	0.000332769	0.001580559
2069 Oct	175.8674469	0.16839999	0.243012473	0.005788534	36.1852684	0.051929787	59.78740311	0.001280312	0.000935523	5.54224E-06	0.008012036	0.003396239	0.099002287	0.02410103	6.91964E-06	27.67951775	3.14968E-05	0.000599988	0.000330523	0.001581159
2069 Nov	175.8972931	0.168414727	0.242935628	0.005787683	36.15624237	0.051953174	59.83810806	0.001282037	0.000935611	5.54386E-06	0.008019366	0.003402635	0.099172398	0.024094021	6.92504E-06	27.67562866	3.15169E-05	0.000600991	0.000330015	0.00158103
2069 Dec	175.901062	0.168418631	0.242939398	0.00578779	36.15703964	0.051954634	59.8391037	0.001282077	0.000935646	5.54405E-06	0.008019644	0.00340271	0.099174097	0.024094811	6.92525E-06	27.67641258	3.15178E-05	0.000601005	0.000330025	0.001581074
2070 Jan	175.9002838	0.168418005	0.24293749	0.005787753	36.15689468	0.051954556	59.83865738	0.001282078	0.000935649	5.54406E-06	0.008019662	0.003402697	0.099173374	0.024094889	6.92525E-06	27.6764183	3.15177E-05	0.000601004	0.000330025	0.001581072
2070 Feb	175.8999786	0.168417722	0.242936566	0.005787734	36.15684891	0.051954515	59.83844376	0.001282079	0.000935652	5.54407E-06	0.008019673	0.003402692	0.099173017	0.024094973	6.92525E-06	27.67645454	3.15177E-05	0.000601003	0.000330026	0.001581072
2070 Mar	175.9107666	0.168428078	0.242951214	0.005788085	36.15907288	0.05195773	59.84205627	0.001282159	0.000935711	5.54442E-06	0.008020177	0.003402902	0.099179015	0.024096519	6.92568E-06	27.67819977	3.15196E-05	0.00060104	0.000330048	0.00158117
2070 Apr	175.9775238	0.168491632	0.243042395	0.005790262	36.17277908	0.051977463	59.86476135	0.001282646	0.000936068	5.54652E-06	0.008023231	0.003404188	0.099216409	0.024105731	6.92831E-06	27.6887722	3.15316E-05	0.000601268	0.000330174	0.001581772
2070 May	176.058136	0.168504596	0.242817104	0.005787147	36.16359329	0.052014511	59.89857101	0.001285709	0.000937559	5.55425E-06	0.008038606	0.003412176	0.099329166	0.024164706	6.93945E-06	27.73353767	3.15738E-05	0.000602839	0.00033067	0.001583006
2070 Jun	175.4045868	0.167492419	0.240623668	0.005743107	35.89726639	0.051848125	59.90444183	0.001293309	0.000934786	5.53765E-06	0.008041739	0.003443819	0.09961237	0.024261083	6.9453E-06	27.75411987	3.15767E-05	0.000609345	0.000329965	0.001576172
2070 Jul	176.053772	0.167854503	0.241024703	0.005754563	36.01103592	0.052046761	60.17188644	0.001297838	0.000938268	5.55684E-06	0.008073253	0.003454858	0.099917419	0.024352502	6.96887E-06	27.87255096	3.1703E-05	0.000611341	0.000331285	0.001582486
2070 Aug	176.6649323	0.168154225	0.241341546	0.005763755	36.11576843	0.052232284	60.4271698	0.001301268	0.00094126	5.57334E-06	0.008099957	0.003462991	0.100173548	0.024427101	6.98807E-06	27.97966003	3.18111E-05	0.00061273	0.000332479	0.001588515
2070 Sep	176.3351135	0.167343646	0.239765212	0.005730293	35.99953461	0.052160542	60.39990234	0.001297842	0.000939554	5.56045E-06	0.008089651	0.003451476	0.099843264	0.024377605	6.96914E-06	27.95765877	3.17604E-05	0.000610633	0.000331969	0.001586879
2070 Oct	176.4319458	0.167240217	0.239227161	0.005720257	35.92385483	0.052201018	60.56209183	0.001301402	0.00093896	5.5595E-06	0.008102036	0.003467275	0.100219548	0.024386657	6.97738E-06	27.97693634	3.17972E-05	0.000613174	0.000331279	0.001587012
2070 Nov	176.5146484	0.167309225	0.239281684	0.005721774	35.92565536	0.052226149	60.61322784	0.001302522	0.000939094	5.561E-06	0.008106516	0.003471752	0.100336269	0.024395535	6.98143E-06	27.98807144	3.18144E-05	0.00061392	0.000331239	0.001587492
2070 Dec	176.515686	0.167310491	0.239281982	0.005721794	35.92589569	0.052226707	60.61334229	0.001302539	0.00093911	5.56109E-06	0.008106641	0.003471774	0.100336507	0.024395905	6.98151E-06	27.98839378	3.18147E-05	0.000613925	0.000331243	0.001587508
2071 Jan	176.5153809	0.167310312	0.239280939	0.005721775	35.92584991	0.052226726	60.61309433	0.001302541	0.000939115	5.5611E-06	0.008106667	0.003471769	0.100336105	0.024396013	6.98152E-06	27.98844719	3.18147E-05	0.000613925	0.000331244	0.001587509
2071 Feb	176.5152588	0.167310223	0.239280403	0.005721765	35.92583466	0.052226722	60.61296463	0.001302543	0.000939117	5.56111E-06	0.008106678	0.003471767	0.100335889	0.024396095	6.98153E-06	27.98849487	3.18147E-05	0.000613925	0.000331245	0.00158751
2071 Mar	176.5176544	0.167312503	0.239283428	0.005721839	35.92632675	0.052227445	60.61373901	0.001302561	0.000939131	5.56119E-06	0.008106796	0.003471814	0.100337163	0.024396479	6.98163E-06	27.98890877	3.18152E-05	0.000613933	0.000331251	0.001587533
2071 Apr	176.5469208	0.167340249	0.23932296	0.005722785	35.93228912	0.05223611	60.62376022	0.001302778	0.000939287	5.56212E-06	0.008108146	0.00347239	0.100353755	0.024400553	6.98279E-06	27.99356842	3.18204E-05	0.000614035	0.000331306	0.001587797
2071 May	176.4775085	0.167205185	0.238799855	0.005712559	35.88412476	0.052219428	60.62200928	0.001305159	0.000939517	5.56291E-06	0.008115112	0.003480618	0.100424521	0.024456495	6.98772E-06	28.02625275	3.18315E-05	0.000615687	0.000331682	0.001587534
2071 Jun	174.631958	0.165348023	0.235543728	0.00564104	35.45788574	0.051675644	60.30005646	0.001310347	0.000928835	5.49987E-06	0.008051364	0.00351671	0.100268573	0.024575206	6.9588E-06	27.96220589	3.16266E-05	0.000624233	0.000330561	0.001568085
2071 Jul	174.7039185	0.165233046	0.235486358	0.005640749	35.47285843	0.05170662	60.45384979	0.001313269	0.000928134	5.49558E-06	0.008051578	0.003528587	0.100438856	0.024610396	6.96483E-06	27.99768257	3.16628E-05	0.000626738	0.000330601	0.001567632
2071 Aug	175.4081726	0.165669337	0.236027643	0.005654805	35.59928894	0.051913623	60.73878479	0.001317404	0.00093141	5.51426E-06	0.008081384	0.003539332	0.10077174	0.024696531	6.98761E-06	28.11598587	3.1786E-05	0.000628605	0.000331928	0.001574246
2071 Sep	175.1538086	0.164981604	0.234723493	0.005627034	35.51651001	0.051858541	60.70996094	0.001313996	0.000930221	5.50422E-06	0.008072067	0.0035271	0.100436427	0.024658924	6.9708E-06	28.10417366	3.17423E-05	0.000626438	0.000331724	0.001573288
2071 Oct	174.9353333	0.164569691	0.233953595	0.005610524	35.45080566	0.0518094	60.68250656	0.001312346	0.000929015	5.49599E-06	0.008064373	0.003522103	0.100276388	0.024628378	6.96051E-06	28.08328629	3.17082E-05	0.00062555	0.000331293	0.001571756
2071 Nov	174.8090668	0.164458886	0.233669698	0.005604886	35.41543198	0.051793352	60.65026474	0.001312933	0.000928877	5.49474E-06	0.008064807	0.003523551	0.100258462	0.02462808	6.96035E-06	28.07476044	3.16971E-05	0.000625848	0.000331034	0.001570779
2071 Dec	174.8012695	0.164454773	0.233653575	0.005604585	35.41353226	0.051792864	60.64710236	0.001312993	0.000928899	5.49482E-06	0.008065023	0.003523645	0.100256532	0.024628716	6.96047E-06	28.07455635	3.16967E-05	0.000625869	0.000331026	0.001570735
2072 Jan	174.8013611	0.164455026	0.233652666	0.005604573	35.41358185	0.05179305	60.64689636	0.001313	0.000928909	5.49486E-06	0.008065086	0.003523648	0.100256212	0.024628976	6.96051E-06	28.07474136	3.16968E-05	0.000625871	0.000331029	0.001570742
2072 Feb	174.8023071	0.164456055	0.23365365	0.005604599	35.41375732	0.051793352	60.64718246	0.001313013	0.000928916	5.4949E-06	0.00806515	0.003523683	0.100256905	0.024629246	6.96057E-06	28.07497025	3.1697E-05	0.000625877	0.000331032	0.001570752
2072 Mar	174.8049164	0.164458528	0.233656824	0.005604677	35.41429138	0.051794142	60.6480217	0.001313035	0.000928932	5.49499E-06	0.008065282	0.003523738	0.100258313	0.024629699	6.96068E-06	28.07544327	3.16975E-05	0.000625887	0.000331038	0.001570776
2072 Apr	174.855484	0.164506108	0.233724251	0.005606296	35.42454147	0.05180914	60.66552353	0.001313416	0.000929202	5.49659E-06	0.008067625	0.003524758	0.100287244	0.024636872	6.9627E-06	28.083601	3.17067E-05	0.000626069	0.000331135	0.001571232
2072 May	175.1150513	0.164749742	0.23406975	0.005614589	35.47709274	0.051886074	60.75559998	0.001315365	0.000930583	5.50475E-06	0.008079613	0.003529981	0.100435786	0.02467351	6.97303E-06	28.12537003	3.17537E-05	0.000626997	0.000331628	0.001573567
2072 Jun	174.2414551	0.163594827	0.2321527	0.005578118	35.21707153	0.051755119	60.59462738	0.001320991	0.000930849	5.50161E-06	0.008093377	0.003539984	0.100339472	0.024624331	6.97966E-06	28.03915977	3.1763E-05	0.000629318	0.000329105	0.001565863
2072 Jul	174.4140015	0.163388312	0.231764033	0.005572923	35.20781708	0.051850591	60.76052094	0.001325006	0.000932697	5.51049E-06	0.008114895	0.003548908	0.100511722	0.024645161	6.99425E-06	28.08123589	3.18448E-05	0.000630981	0.000328916	0.001567574
2072 Aug	174.4586029	0.162897363	0.231118649	0.005561736	35.14031601	0.051929068	60.96704865	0.001328498	0.000932747	5.51059E-06	0.008123774	0.003559503	0.100761294	0.02460519	7.00287E-06	28.07953644	3.18829E-05	0.00063268	0.000327544	0.001567065
2072 Sep	174.4340668	0.162522644	0.230683014	0.005554297	35.06335449	0.0519991	61.15319061	0.001332146	0.000931927	5.50715E-06	0.008127061	0.003572933	0.101083167	0.024549864	7.01055E-06	28.05506516	3.18957E-05	0.000634854	0.000325695	0.001565163
2072 Oct	174.158493	0.16217491	0.230457962	0.005550039	34.9154129	0.052039284	61.37844086	0.001336925	0.000927654	5.48821E-06	0.008113784	0.003597668	0.101683885	0.024409307	7.01401E-06	27.94560623	3.18534E-05	0.000638801	0.000321611	0.001558323
2072 Nov	174.0837097	0.162119538	0.230398342	0.00554884	34.88864517	0.052042101	61.40117645	0.001337571	0.000926896	5.48465E-06	0.008110981	0.003601099	0.101760507	0.024383998	7.0138E-06	27.92387581	3.18411E-05	0.000639338	0.000320899	0.001557025
2072 Dec	174.0848083	0.162120879	0.230398744	0.005548864	34.88889313	0.05204276	61.4013176	0.00133759	0.000926915	5.48474E-06	0.008111119	0.003601123	0.101760805	0.024384363	7.0139E-06	27.92420197	3.18415E-05	0.000639343	0.000320903	0.001557042
2073 Jan	174.0848541	0.162121043	0.230398148	0.005548856	34.88891983	0.05204292	61.40118408	0.001337595	0.000926921	5.48478E-06	0.008111165	0.003601125	0.101760603	0.02438451	7.01392E-06	27.92430687	3.18415E-05	0.000639344	0.000320905	0.001557047
2073 Feb	174.0859528	0.162122086	0.230399221	0.005548886	34.88914871	0.0520433	61.40147781	0.001337606	0.000926931	5.48483E-06	0.008111235	0.003601148	0.101761095	0.024384761	7.01398E-06	27.9245491	3.18417E-05	0.000639348	0.000320908	0.001557059
2073 Mar	174.0923004	0.162128031	0.230407432	0.005549085	34.89043045	0.052045222	61.40367126	0.001337656	0.000926966	5.48503E-06	0.008111541	0.00360128	0.101764731	0.024385704	7.01424E-06	27.92560577	3.18429E-05	0.000639372	0.000320921	0.001557117
2073 Apr	174.2046967	0.162232682	0.230556041	0.005552665	34.91296005	0.052078836	61.44327545	0.001338521	0.000927565	5.48858E-06	0.008116783	0.003603604	0.101830363	0.024401473	7.01877E-06	27.9436512	3.18635E-05	0.000639785	0.000321128	0.001558123
2073 May	174.2899933	0.161961794	0.229972646	0.005540316	34.82894135	0.052023791	61.53224564	0.001340756	0.000926769	5.48722E-06	0.008118765	0.003615525	0.102124192	0.024425015	7.02165E-06	27.96831322	3.18709E-05	0.000641571	0.000321172	0.001558116
2073 Jun	173.8847809	0.160262018	0.227482438	0.00548228	34.46584702	0.051556144	61.74006271	0.001342292	0.000916529	5.43964E-06	0.00806403	0.003647944	0.102744542	0.024420382	6.99269E-06	27.95442772	3.17613E-05	0.000646872	0.000320383	0.001549337
2073 Jul	174.496933	0.160384774	0.227802709	0.005489948	34.54172516	0.051672865	62.11011887	0.00134599	0.000916646	5.4429E-06	0.008074774	0.003664649	0.103208385	0.024473647	7.00606E-06	28.04873848	3.18575E-05	0.000649757	0.000321098	0.00155326
2073 Aug	175.0985718	0.160667792	0.228104398	0.005498712	34.64300156	0.051854644	62.36790085	0.001349318	0.000919445	5.45844E-06	0.008100178	0.003672863	0.103468522	0.024544556	7.02451E-06	28.15308762	3.1962E-05	0.000651153	0.000322229	0.001559103
2073 Sep	175.0595551	0.160268277	0.22732459	0.005482378	34.61090088	0.051855884	62.41009903	0.001347315	0.000918976	5.45371E-06	0.008097264	0.003665592	0.103297226	0.024525084	7.01563E-06	28.16213608	3.19502E-05	0.000649817	0.000322242	0.001559617

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2073 Oct	174.7840118	0.159659505	0.226163805	0.005456997	34.49975204	0.05176606	62.383255	0.001344777	0.000916876	5.44111E-06	0.008084682	0.003659567	0.10313005	0.024478119	6.9996E-06	28.13217926	3.18953E-05	0.000648541	0.000321637	0.001557594
2073 Nov	174.9151611	0.159677833	0.226169765	0.005457084	34.49367523	0.051777136	62.47056961	0.001345796	0.000916521	5.44081E-06	0.008086623	0.003665383	0.103303254	0.024483167	7.00222E-06	28.14645767	3.19113E-05	0.000649404	0.000321605	0.001558186
2073 Dec	174.9235229	0.159685791	0.226179436	0.00545733	34.49536133	0.051779903	62.47327805	0.001345871	0.000916578	5.44113E-06	0.008087094	0.003665559	0.103307769	0.024484593	7.0026E-06	28.14797974	3.1913E-05	0.000649436	0.000321623	0.001558269
2074 Jan	174.9240723	0.159686416	0.226179451	0.005457338	34.49549484	0.05178019	62.47330475	0.00134588	0.000916587	5.44117E-06	0.008087161	0.003665571	0.103307828	0.024484837	7.00265E-06	28.14818382	3.19131E-05	0.000649439	0.000321626	0.001558278
2074 Feb	174.924408	0.159686744	0.226179466	0.005457342	34.49557495	0.051780324	62.47331619	0.001345885	0.000916592	5.4412E-06	0.008087195	0.003665578	0.103307843	0.024484994	7.00267E-06	28.14830971	3.19132E-05	0.000649441	0.000321629	0.001558283
2074 Mar	174.9337006	0.159695253	0.226191282	0.005457629	34.49741745	0.051783096	62.47658539	0.001345958	0.000916643	5.4415E-06	0.008087634	0.003665773	0.103313252	0.024486357	7.00305E-06	28.14984703	3.19149E-05	0.000649475	0.000321647	0.001558367
2074 Apr	175.026947	0.159780398	0.226311728	0.005460536	34.51581192	0.051810712	62.50985718	0.001346676	0.000917132	5.4444E-06	0.008091951	0.003667727	0.103368267	0.024499444	7.00678E-06	28.16487694	3.19319E-05	0.000649822	0.000321819	0.001559199
2074 May	176.0841064	0.15978542	0.225939468	0.005451228	34.48828125	0.051750224	62.96891785	0.001352667	0.000916754	5.45235E-06	0.008112457	0.003703176	0.104348607	0.024696006	7.02504E-06	28.37446785	3.20774E-05	0.000655453	0.000325078	0.001566675
2074 Jun	177.2654724	0.158207193	0.22377561	0.00539057	34.19356918	0.051017612	63.93385696	0.00135625	0.00089973	5.38315E-06	0.008039606	0.003781302	0.106224261	0.024987027	6.9926E-06	28.67391014	3.21452E-05	0.000668595	0.00033045	0.001566558
2074 Jul	178.0244751	0.158585668	0.224364668	0.005404716	34.31674194	0.051185835	64.29464722	0.001361203	0.00090172	5.39611E-06	0.008063007	0.003799027	0.10669376	0.025090227	7.01468E-06	28.80674553	3.22761E-05	0.000671786	0.000331956	0.001572561
2074 Aug	178.9437103	0.159258753	0.225273222	0.005427209	34.48476791	0.051447988	64.65316772	0.001367319	0.000905995	5.42131E-06	0.008102158	0.003816037	0.107193053	0.025209676	7.04692E-06	28.95794106	3.24382E-05	0.000674763	0.000333666	0.001580851
2074 Sep	178.7490234	0.158680603	0.224146143	0.005403139	34.42440796	0.051408179	64.63201904	0.001363947	0.000905039	5.41268E-06	0.008093995	0.003803921	0.106869504	0.02518153	7.03147E-06	28.95453453	3.2401E-05	0.000672639	0.000333665	0.001580448
2074 Oct	178.3748016	0.158151507	0.223086283	0.005380325	34.34323883	0.05132889	64.50076294	0.001360744	0.000904101	5.40407E-06	0.008083942	0.003791464	0.106491029	0.02515115	7.01584E-06	28.92529297	3.23414E-05	0.000670517	0.000333446	0.001578535
2074 Nov	178.3545685	0.158102885	0.222975343	0.00537802	34.33774185	0.051326714	64.49549103	0.001360497	0.000904093	5.40365E-06	0.008083772	0.003790342	0.106457405	0.025150318	7.01472E-06	28.92588997	3.23385E-05	0.000670326	0.000333463	0.001578537
2074 Dec	178.3615875	0.158108935	0.222982258	0.0053782	34.3391037	0.051328942	64.49786377	0.001360556	0.000904138	5.4039E-06	0.008084151	0.003790482	0.106461011	0.025151523	7.01502E-06	28.92720985	3.23398E-05	0.000670352	0.000333479	0.001578607
2075 Jan	178.362381	0.158109725	0.222982541	0.005378213	34.33928299	0.051329263	64.49797058	0.001360566	0.000904148	5.40395E-06	0.008084225	0.003790499	0.106461182	0.025151817	7.01507E-06	28.92746162	3.234E-05	0.000670355	0.000333483	0.001578618
2075 Feb	178.3650513	0.158112139	0.222985506	0.005378286	34.33982086	0.051330052	64.49882507	0.001360589	0.000904165	5.40404E-06	0.008084363	0.003790556	0.10646259	0.025152313	7.01518E-06	28.9279747	3.23405E-05	0.000670366	0.00033349	0.001578644
2075 Mar	178.3825684	0.15812768	0.223007187	0.005378811	34.34320068	0.051335104	64.50509644	0.001360723	0.000904255	5.40458E-06	0.008085165	0.003790928	0.106472947	0.025154848	7.01588E-06	28.93085861	3.23437E-05	0.000670432	0.000333524	0.001578801
2075 Apr	178.4677582	0.158203214	0.223113552	0.005381378	34.3596077	0.051359631	64.53588104	0.001361374	0.000904688	5.40717E-06	0.008089032	0.003792738	0.106523737	0.025166899	7.01923E-06	28.94469833	3.23592E-05	0.000670752	0.000333684	0.001579555
2075 May	178.5192413	0.158228755	0.223017648	0.005380172	34.37243652	0.051384766	64.52819061	0.001362338	0.000905902	5.4128E-06	0.008097044	0.003793345	0.106493756	0.025204489	7.02409E-06	28.97492218	3.23773E-05	0.000670976	0.000334237	0.001580748
2075 Jun	180.6526947	0.157357275	0.222038701	0.00535922	34.14080429	0.051216766	65.72593689	0.001374684	0.000904513	5.43008E-06	0.008160406	0.003861514	0.108929008	0.025246928	7.06406E-06	29.1821003	3.28246E-05	0.000680516	0.000335202	0.001592129
2075 Jul	182.1464233	0.157322764	0.222349912	0.005366991	34.13270569	0.051293384	66.55956268	0.001383946	0.000904936	5.44572E-06	0.008205093	0.003905672	0.1104353	0.025291445	7.09908E-06	29.33499718	3.31256E-05	0.000687152	0.000335783	0.001600637
2075 Aug	182.6748047	0.1574862	0.222489476	0.005372012	34.21457672	0.051449399	66.80243683	0.001386468	0.000907203	5.45809E-06	0.008226608	0.003911704	0.110646039	0.025345048	7.11348E-06	29.42547417	3.32184E-05	0.000688148	0.000336713	0.001605783
2075 Sep	182.91716	0.157485157	0.222402796	0.005371131	34.24715805	0.051522925	66.92932892	0.001387125	0.00090808	5.46247E-06	0.008235869	0.003912834	0.110710606	0.025362805	7.11797E-06	29.46819878	3.32602E-05	0.000688305	0.000337113	0.001608269
2075 Oct	182.6927338	0.15714547	0.221756533	0.005357432	34.1975708	0.051482607	66.85861969	0.00138521	0.000907609	5.45767E-06	0.008230786	0.003904847	0.110481232	0.025335534	7.10887E-06	29.44616318	3.32284E-05	0.00068692	0.000336836	0.001607119
2075 Nov	182.6898651	0.157130003	0.221700415	0.005356446	34.19664764	0.051487576	66.85561371	0.001385289	0.000907819	5.45851E-06	0.008232258	0.003904444	0.110464565	0.025338313	7.10932E-06	29.44912338	3.32306E-05	0.000686861	0.000336875	0.001607275
2075 Dec	182.6941986	0.157133952	0.221703336	0.005356544	34.1975174	0.051489323	66.85673523	0.00138534	0.000907865	5.45875E-06	0.008232621	0.003904533	0.110466331	0.025339341	7.10959E-06	29.45013237	3.32316E-05	0.000686878	0.000336887	0.001607328
2076 Jan	182.694519	0.157134339	0.221702948	0.005356544	34.19760895	0.051489562	66.85664368	0.00138535	0.000907876	5.4588E-06	0.008232692	0.00390454	0.11046619	0.025339587	7.10963E-06	29.45031929	3.32318E-05	0.00068688	0.000336891	0.001607336
2076 Feb	182.7002716	0.157139301	0.221709475	0.005356705	34.19870377	0.05149122	66.85861206	0.001385396	0.000907908	5.45899E-06	0.008232976	0.003904663	0.110469453	0.025340518	7.10987E-06	29.451334	3.32329E-05	0.000686902	0.000336903	0.001607389
2076 Mar	182.7171783	0.15715386	0.221729741	0.005357197	34.20188141	0.051496007	66.86473083	0.001385526	0.000907995	5.4595E-06	0.008233752	0.003905024	0.110479556	0.025342938	7.11054E-06	29.45410919	3.3236E-05	0.000686966	0.000336935	0.00160754
2076 Apr	182.767746	0.157197356	0.221790984	0.005358678	34.21135712	0.051510278	66.8832016	0.001385911	0.000908247	5.46102E-06	0.008236038	0.003906105	0.110510074	0.025349991	7.11251E-06	29.4622879	3.32452E-05	0.000687156	0.000337029	0.001607985
2076 May	182.6603394	0.156997889	0.221272737	0.005348789	34.18466949	0.051489159	66.79524994	0.001386618	0.000909795	5.46706E-06	0.008244661	0.003903657	0.110346913	0.025393922	7.11526E-06	29.48739624	3.32534E-05	0.000686938	0.000337694	0.001608461
2076 Jun	182.9746246	0.155480206	0.218843579	0.0052945	33.92300034	0.051113945	67.0832901	0.001399664	0.000910629	5.47553E-06	0.008280178	0.003953809	0.111137405	0.025692947	7.144E-06	29.7159996	3.34895E-05	0.000696548	0.000341452	0.001609686
2076 Jul	183.6910858	0.155625001	0.2192792	0.005307894	33.99328995	0.051220149	67.50274658	0.001406197	0.00091165	5.48465E-06	0.008302945	0.003979341	0.111781411	0.025781097	7.16783E-06	29.83408737	3.36446E-05	0.000701122	0.000342424	0.001614053
2076 Aug	184.4297791	0.156045243	0.219796076	0.005321626	34.11920166	0.051431052	67.8055191	0.00141079	0.000915119	5.50449E-06	0.008334806	0.003991464	0.112145208	0.025874455	7.19231E-06	29.96030617	3.37771E-05	0.000703231	0.000343837	0.001620958
2076 Sep	184.6618347	0.156043887	0.219698519	0.005320497	34.15126801	0.051501069	67.923172	0.001411444	0.000916035	5.50899E-06	0.008344008	0.003992472	0.112198748	0.025895851	7.19675E-06	30.004179	3.38175E-05	0.000703385	0.000344294	0.001623416
2076 Oct	184.1218872	0.155335084	0.218417227	0.005292493	34.04015732	0.051381793	67.74320984	0.001406637	0.000914218	5.49488E-06	0.008326114	0.00397501	0.11170125	0.025829205	7.17367E-06	29.94234276	3.37293E-05	0.000700361	0.000343615	0.001620036
2076 Nov	184.0251312	0.155211583	0.218176737	0.00528735	34.02073669	0.051363274	67.70790863	0.00140588	0.000914026	5.49297E-06	0.008323818	0.003971882	0.111607455	0.025819967	7.17005E-06	29.93310165	3.37149E-05	0.000699828	0.000343524	0.001619514
2076 Dec	184.0323486	0.155217946	0.218184307	0.005287546	34.0221138	0.051365528	67.71028137	0.001405945	0.000914074	5.49324E-06	0.008324226	0.003972038	0.111611404	0.025821237	7.17038E-06	29.93444824	3.37163E-05	0.000699856	0.000343541	0.001619585
2077 Jan	184.0325012	0.155218184	0.218183875	0.005287542	34.02217102	0.05136567	67.71016693	0.001405951	0.000914082	5.49327E-06	0.008324275	0.003972041	0.111611217	0.025821423	7.17041E-06	29.93458557	3.37164E-05	0.000699857	0.000343543	0.001619591
2077 Feb	184.034256	0.155219674	0.218185633	0.005287588	34.02251816	0.051366191	67.71071625	0.001405966	0.000914094	5.49334E-06	0.008324373	0.00397208	0.111612119	0.025821781	7.17048E-06	29.93494415	3.37167E-05	0.000699864	0.000343548	0.001619608
2077 Mar	184.0404358	0.155224904	0.218192771	0.005287762	34.0236702	0.051367931	67.71292877	0.001406015	0.000914126	5.49353E-06	0.008324661	0.003972213	0.111615762	0.025822707	7.17073E-06	29.93598938	3.37179E-05	0.000699888	0.00034356	0.001619664
2077 Apr	184.102356	0.155277133	0.21826607	0.005289539	34.03512192	0.051385216	67.73567963	0.001406488	0.000914434	5.49538E-06	0.008327467	0.003973549	0.111653268	0.025831429	7.17315E-06	29.94608116	3.37292E-05	0.000700124	0.000343676	0.00162021
2077 May	184.2750397	0.1552549	0.218043119	0.005285703	34.03570938	0.051391263	67.78094482	0.001409124	0.000915974	5.50381E-06	0.008341627	0.003980857	0.111762665	0.025910733	7.18317E-06	30.01183701	3.37794E-05	0.000701549	0.000344794	0.001622304
2077 Jun	184.6017151	0.154252559	0.216235712	0.005243949	33.83961868	0.051042631	68.1115799	0.001419815	0.000913094	5.49386E-06	0.008350247	0.004034107	0.112608708	0.026216092	7.19892E-06	30.23984146	3.39243E-05	0.000711741	0.000348569	0.00162225
2077 Jul	185.2845459	0.154643238	0.216674894	0.005256318	33.95620728	0.05123445	68.37397003	0.001425198	0.000917068	5.51589E-06	0.00838542	0.004047379	0.11294578	0.026329765	7.22589E-06	30.37226105	3.4064E-05	0.000714191	0.00035019	0.001628901
2077 Aug	186.0879364	0.155104712	0.217250496	0.005271371	34.09244156	0.051458921	68.70604706	0.001430093	0.000920653	5.53663E-06	0.008419033	0.004060769	0.113349706	0.026429821	7.25189E-06	30.50826645	3.42066E-05	0.000716519	0.000351711	0.001636298
2077 Sep	185.5286102	0.154112011	0.215465993	0.005232655	33.9511261	0.051329982	68.56503296	0.001424411	0.000918322	5.51892E-06	0.008398331	0.004040895	0.112798236	0.026351143	7.22379E-06	30.45165634	3.411E-05	0.000713018	0.000350969	0.001632952
2077 Oct	185.6780701	0.154067457	0.215261891	0.00522895	33.93645477	0.051355843	68.66429901	0.001426411	0.000918739	5.52209E-06	0.008407809	0.00404803	0.112972602	0.026373249	7.23014E-06	30.48286057	3.41458E-05	0.000714186	0.000351087	0.001634105
2077 Nov	185.7232819	0.154099315	0.215298653	0.005229913	33.94405365	0.051368877	68.68170166	0.001426757	0.000918977	5.52347E-06	0.008410027	0.004048956	0.112997986	0.026379898	7.23188E-06	30.49084854	3.41544E-05	0.000714349	0.000351177	0.001634528
2077 Dec	185.7304535	0.154105544	0.215306118	0.005230105	33.9454155	0.051371075	68.68409729	0.001426821	0.000919023	5.52373E-06	0.008410423	0.004049113	0.113001972	0.026381146	7.2322E-06	30.49218369	3.41558E-05	0.000714377	0.000351193	0.001634598
2078 Jan	185.732605	0.154107451	0.215308115	0.005230159	33.94583511	0.051371764	68.68473816	0.001426842	0.000919039	5.52382E-06	0.008410556	0.00404916	0.113003038	0.026381601	7.2323E-06	30.49263573	3.41562E-05	0.000714386	0.000351199	0.00163462
2078 Feb	185.7348175	0.154109329	0.21531038	0.005230217	33.94625854	0.051372405	68.68547058	0.00142686	0.000919053	5.5239E-06	0.008410672	0.004049207	0.113004237	0.02638201	7.2324E-06	30.49306107	3.41567E-05	0.000714395	0.000351204	0.001634642
2078 Mar	185.739502	0.154113203	0.21531564	0.005230345	33.94712067	0.051373705	68.68714905	0.001426897	0.000919077	5.52404E-06	0.008410891	0.004049309	0.113006987	0.026382726	7.23258E-06	30.49386215	3.41575E-05	0.000714413	0.000351214	0.001634684
2078 Apr	185.8541107	0.154208302	0.215448394	0.005233571	33.96807098	0.051405411	68.72950745	0.001427778	0.000919645	5.52745E-06	0.008416086	0.004051807	0.113076672	0.026399035	7.23705E-06	30.51269722	3.41786E-05	0.000714854	0.000351431	0.001635693
2078 May	186.6420746	0.154212967	0.21489349	0.00522232	33.93769836	0.051363233	69.02307892	0.001437139	0.00092214	5.54677E-06	0.008454079	0.004088831	0.113856994	0.026659403	7.26826E-06	30.73755074	3.43455E-05	0.000721474	0.000355002	0.001642207
2078 Jun	187.2869263	0.153535813	0.213763431	0.005191673	33.80514908	0.051019106	69.57389832	0.001447734	0.000915715	5.52206E-06	0.008441282	0.004154413	0.11507225	0.026975358	7.27865E-06	30.99459267	3.44634E-05	0.000733741	0.000358944	0.001642122
2078 Jul	188.160141	0.154087365	0.214481801	0.005209912	33.95569611	0.051253717	69.92939758	0.001453911	0.000919679	5.54527E-06	0.008478573	0.004172124	0.11555443	0.027101696	7.30941E-06	31.14913368	3.46231E-05	0.000736904	0.000360744	0.001649983
2078 Aug	188.609787	0.154131964	0.214390785	0.005209803	34.02360535	0.051387448	70.13801575	0.001455614	0.000921704	5.55548E-06	0.008496432	0.00417535	0.11566858	0.027158031	7.31991E-06	31.23909378	3.46988E-05	0.000737446	0.000361815	0.001654813
2078 Sep	188.7928467	0.154074341	0.214172006	0.005206095	34.04883194	0.051449448	70.22932434	0.001455938	0.000922645	5.55954E-06	0.00850429	0.004174756	0.115663752	0.027182462	7.32285E-06	31.28289795	3.47288E-05	0.000737354	0.000362349	0.001657104
2078 Oct	188.6307373	0.153767794	0.213587224	0.005193437	34.01276398	0.051418439	70.18939209	0.001453709	0.000921939	5.55372E-06	0.008497592	0.004166844	0.115453437	0.027158277	7.31285E-06	31.26916313	3.46978E-05	0.000735968	0.000362213	0.001656389
2078 Nov	188.6091461	0.153725401	0.213486835	0.005191381	34.0084343	0.051417157	70.1811142	0.001453483	0.00092198	5.55352E-06	0.008497553	0.004165664	0.115416788	0.027158316	7.3119E-06	31.26989746	3.46948E-05	0.000735772	0.000362241	0.001656401
2078 Dec	188.6137238	0.153729379	0.213491097	0.005191495	34.00931549	0.051418606	70.18252563	0.001453526	0.000922013	5.5537E-06	0.008497827	0.004165764	0.11541912	0.027159242	7.31212E-06	31.27083206	3.46957E-05	0.000735791	0.000362254	0.001656448
2079 Jan	188.6134338	0.15372926	0.213490203	0.005191479	34.00929642	0.05141861	70.18224335	0.001453528	0.000922018	5.55372E-06	0.008497847	0.004165757	0.115418658	0.02715937	7.31213E-06	31.27089882	3.46957E-05	0.00073579	0.000362255	0.00165645
2079 Feb	188.6132813	0.153729171	0.213489726	0.00519147	34.00928879	0.051418588	70.18208313	0.001453529	0.00092202	5.55373E-06	0.008497855	0.004165754	0.115418389	0.027159458	7.31213E-06	31.27094269	3.46957E-05	0.00073579	0.000362257	0.001656451
2079 Mar	188.6247711	0.153738543	0.213502541	0.005191783	34.01137161	0.051421732	70.18630219	0.001453618	0.000922077	5.55407E-06	0.00849838	0.004166007	0.115425318	0.027161172	7.31258E-06	31.27288818	3.46978E-05	0.000735835	0.00036228	0.001656553
2079 Apr	188.6910248	0.153792545	0.21357742	0.005193605	34.02332687	0.051439799	70.21092987	0.001454129	0.000922402	5.55603E-06	0.008501369	0.00416747	0.115465812	0.027170746	7.31515E-06	31.28389359	3.471E-05	0.000736093	0.000362407	0.001657135
2079 May	188.9082336	0.153961286	0.213776529	0.005198766	34.06369781	0.051501699	70.28405762	0.001455935	0.000923733	5.56354E-06	0.00851264	0.004172024	0.115578763	0.027210789	7.32429E-06	31.32632065	3.47523E-05	0.000736933	0.000362964	0.001659259
2079 Jun	189.0177002	0.152324572	0.211353466	0.005146451	33.75187683	0.051144224	70.5463562	0.001465675	0.000922506	5.56221E-06	0.0085301	0.004213381	0.116346665	0.027357038	7.34024E-06	31.44262695	3.48929E-05	0.0007442	0.000364304	0.001657766
2079 Jul	189.5752869	0.152093425	0.21130231	0.005146035	33.73805237	0.051179372	70.95928955	0.001472019	0.000922454	5.5662E-06	0.008548284	0.0042397	0.117030278	0.027397882	7.35957E-06	31.52163315	3.5032E-05	0.000748678	0.000364396	0.00166014
2079 Aug	190.2403564	0.152431399	0.21169287	0.00515699	33.84838104	0.051370751	71.2328949	0.001476287	0.000925762	5.58479E-06	0.008578057	0.004250533	0.117346346	0.027486313	7.38211E-06	31.63959122	3.51539E-05	0.000750565	0.000365735	0.001666525
2079 Sep	189.9042664	0.151806727	0.210554749	0.005132698	33.77457809	0.051315986	71.14766693	0.00147209	0.000924654	5.5747E-06	0.008566398	0.00423448	0.116927549	0.027429206	7.36363E-06	31.60473633	3.50959E-05	0.000747733	0.000365281	0.001664985
2079 Oct	190.1221924	0.151682124	0.210373521	0.005129133	33.73351288	0.05133621	71.33799744	0.001474358	0.000924107	5.57473E-06	0.008574128	0.004245471	0.117283374	0.027407624	7.36959E-06	31.61340141	3.51411E-05	0.000749245	0.00036463	0.001665735
2079 Nov	190.2848358	0.151692823	0.210391074	0.005129652	33.71063614	0.051354799	71.46470642	0.001476494	0.000923838	5.57578E-06	0.00858096	0.004255195	0.117573507	0.027400643	7.37599E-06	31.62075615	3.51761E-05	0.00075069	0.000364196	0.001666196
2079 Dec	190.3277588	0.151676521	0.210343063	0.005128667	33.68583679	0.051355716	71.51735687	0.001477682	0.00092358	5.57575E-06	0.008584339	0.004260583	0.117725849	0.027392341	7.37898E-06	31.6176815	3.51898E-05	0.000751481	0.000363827	0.001666042
2080 Jan	190.328949	0.151677251	0.210343525	0.00512868	33.68565369	0.051355902	71.5181427	0.001477707	0.000923583	5.57578E-06	0.008584428	0.004260678	0.117728308	0.027392445	7.37906E-06	31.61780167	3.51901E-05	0.000751496	0.000363825	0.001666047
2080 Feb	190.3313293	0.151678994	0.210345626	0.005128732	33.68590927	0.051356442	71.51914215	0.001477732	0.000923593	5.57585E-06	0.008584548	0.004260762	0.117730454	0.02739282	7.37917E-06	31.6182003	3.51906E-05	0.00075151	0.000363828	0.001666065
2080 Mar	190.3325348	0.151679993	0.210346609	0.00512876	33.68613815	0.051356804	71.51948547	0.001477744	0.000923602	5.5759E-06	0.008584622	0.00426079	0.117731035	0.027393106	7.37923E-06	31.61847687	3.51908E-05	0.000751515	0.000363832	0.001666078
2080 Apr	190.3784943	0.15171665	0.210397199	0.005129995	33.69428635	0.051369227	71.53668976	0.001478102	0.000923827	5.57726E-06	0.008586706	0.004261818	0.117759347	0.027399784	7.38102E-06	31.62615013	3.51994E-05	0.000751697	0.000363921	0.001666482
2080 May	190.6659241	0.151941136	0.210703	0.005137513	33.74509811	0.051447339	71.64457703	0.001480325	0.000925248	5.58576E-06	0.008599822	0.004268137	0.117933258	0.027441697	7.39215E-06	31.6746006	3.52528E-05	0.000752814	0.000364483	0.001669029
2080 Jun	189.9056091	0.150701374	0.209151298	0.005107151	33.42950439	0.051288851	71.63799286	0.001486365	0.00092409	5.57991E-06	0.008613965	0.004282637	0.118210591	0.027245572	7.39938E-06	31.49740028	3.52906E-05	0.000754923	0.000359558	0.001660067
2080 Jul	189.8468781	0.150094897	0.208527669	0.005096139	33.31174469	0.051305007	71.85960388	0.00149113	0.000923833	5.57954E-06	0.008629657	0.004296291	0.118575618	0.027140338	7.41043E-06	31.4407692	3.53702E-05	0.000756967	0.000356908	0.001657721
2080 Aug	190.2036743	0.150077119	0.208385363	0.005095098	33.36094284	0.051429078	72.03845215	0.001492605	0.000925752	5.58899E-06	0.008646473	0.004297934	0.118659176	0.027170816	7.41972E-06	31.50619888	3.54366E-05	0.000757174	0.000357509	0.001661692

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2080 Sep	190.1215973	0.149683416	0.207776681	0.005082962	33.31214905	0.051446244	72.09346008	0.001492073	0.000925449	5.58601E-06	0.008646148	0.004294618	0.118602134	0.027119005	7.41584E-06	31.48505402	3.54304E-05	0.000756395	0.000356649	0.001661201
2080 Oct	190.3121948	0.149598494	0.20779188	0.00508405	33.26849	0.051509459	72.33568573	0.001496127	0.000924793	5.58613E-06	0.008656445	0.004311312	0.119102255	0.027063591	7.4273E-06	31.46682358	3.54829E-05	0.00075882	0.000354967	0.001660873
2080 Nov	190.3381042	0.149541602	0.207743123	0.005083271	33.20946884	0.051527575	72.44168091	0.00149849	0.000924124	5.58489E-06	0.008661234	0.00432137	0.119392149	0.027021883	7.43292E-06	31.44075775	3.55009E-05	0.000760251	0.00035372	0.001659865
2080 Dec	190.3377991	0.149540693	0.207739756	0.005083246	33.2062912	0.051529162	72.4460144	0.00149867	0.000924123	5.585E-06	0.008661766	0.004321995	0.119408488	0.027019983	7.43342E-06	31.43928909	3.5502E-05	0.000760343	0.00035364	0.00165981
2081 Jan	190.3392487	0.149541989	0.207740903	0.005083281	33.20646286	0.051529709	72.44657135	0.001498692	0.000924135	5.58507E-06	0.008661886	0.004322051	0.119409792	0.027020257	7.43352E-06	31.43956566	3.55024E-05	0.000760352	0.000353649	0.001659824
2081 Feb	190.3398132	0.149542496	0.207741112	0.00508329	33.20658493	0.051529936	72.44665527	0.0014987	0.000924143	5.58511E-06	0.008661941	0.004322064	0.119409949	0.027020469	7.43356E-06	31.43974686	3.55026E-05	0.000760355	0.000353652	0.001659832
2081 Mar	190.3455048	0.149546996	0.207747102	0.005083439	33.20758057	0.051531509	72.44876099	0.001498748	0.000924173	5.58529E-06	0.008662213	0.004322195	0.119413458	0.027021335	7.43379E-06	31.44072342	3.55036E-05	0.000760378	0.000353663	0.001659883
2081 Apr	190.4159546	0.149601892	0.207822785	0.005085297	33.21987152	0.051550638	72.47556305	0.001499301	0.000924517	5.58736E-06	0.008665431	0.004323782	0.119457237	0.027031397	7.43654E-06	31.45243645	3.55168E-05	0.000760658	0.000353796	0.001660501
2081 May	190.1662598	0.149316415	0.207179263	0.005072612	33.12417984	0.051509272	72.42023468	0.001503159	0.000925134	5.59013E-06	0.008674761	0.004333936	0.119537279	0.027056249	7.44489E-06	31.44783211	3.55185E-05	0.000762514	0.000353288	0.001658534
2081 Jun	189.4774628	0.148437262	0.206009716	0.005044236	32.91338348	0.051280353	72.47897339	0.001508067	0.000919076	5.55819E-06	0.008644965	0.004361553	0.119821675	0.027040232	7.43675E-06	31.38992119	3.54442E-05	0.000767772	0.000351228	0.001648989
2081 Jul	190.4785309	0.149131522	0.206997067	0.005068447	33.08107376	0.051547568	72.90694427	0.001516103	0.000923306	5.5841E-06	0.008687684	0.004386134	0.120480143	0.027177334	7.47444E-06	31.55698204	3.56313E-05	0.000772117	0.000352945	0.001657368
2081 Aug	191.4583435	0.149773404	0.207849324	0.005089952	33.24547577	0.051815581	73.3057785	0.001522943	0.000927729	5.61044E-06	0.008730024	0.004405732	0.121044062	0.027304458	7.50904E-06	31.71964455	3.58095E-05	0.000775529	0.000354718	0.001666076
2081 Sep	191.5658417	0.149632618	0.207511142	0.005083527	33.25588226	0.051863518	73.37806702	0.001522407	0.000928236	5.61179E-06	0.008734385	0.00440241	0.120982081	0.027307514	7.50816E-06	31.74643517	3.58254E-05	0.000774918	0.000354973	0.001667727
2081 Oct	191.5066681	0.149470612	0.207173154	0.005076485	33.24166489	0.051862214	73.36963654	0.001521247	0.000928093	5.60972E-06	0.008732751	0.004397685	0.120863862	0.027295051	7.50347E-06	31.74384308	3.58144E-05	0.000774079	0.000354928	0.001667745
2081 Nov	191.2383881	0.149187729	0.206647202	0.005064973	33.19412231	0.051810406	73.26728821	0.001518931	0.000927336	5.60362E-06	0.008724198	0.004388971	0.120618641	0.0272623	7.49286E-06	31.71050262	3.57683E-05	0.000772567	0.000354573	0.001666079
2081 Dec	191.2029724	0.149160057	0.206586495	0.0050637	33.18852997	0.051804967	73.25058746	0.001518742	0.00092733	5.6033E-06	0.008723674	0.004388008	0.120587371	0.027260192	7.49198E-06	31.7070179	3.57632E-05	0.000772407	0.000354545	0.001665891
2082 Jan	191.2017975	0.149159417	0.20658429	0.005063657	33.18838882	0.051804859	73.24980927	0.001518741	0.000927335	5.60332E-06	0.008723692	0.004387979	0.12058612	0.027260307	7.49198E-06	31.70701027	3.5763E-05	0.000772403	0.000354547	0.001665888
2082 Feb	191.2038727	0.149161145	0.206586003	0.005063704	33.18878937	0.051805492	73.25041962	0.001518761	0.000927351	5.6034E-06	0.00872382	0.004388026	0.120587125	0.02726079	7.49208E-06	31.70748138	3.57635E-05	0.000772412	0.000354553	0.00166591
2082 Mar	191.2138367	0.149168968	0.206596449	0.005063963	33.1905365	0.051808219	73.2541275	0.001518842	0.000927403	5.60371E-06	0.00872429	0.004388254	0.12059322	0.027262311	7.49248E-06	31.709198	3.57654E-05	0.000772452	0.000354573	0.001665999
2082 Apr	191.267334	0.149210721	0.206654087	0.005065377	33.19984055	0.051822737	73.27456665	0.001519268	0.000927664	5.60528E-06	0.008726741	0.004389481	0.120626867	0.027269997	7.49458E-06	31.71810532	3.57754E-05	0.000772668	0.000354673	0.001666467
2082 May	191.5286865	0.149412364	0.206932575	0.005072214	33.24510193	0.051893532	73.3751297	0.001521325	0.000928924	5.61289E-06	0.008738616	0.004395424	0.120790645	0.027307047	7.50474E-06	31.76146698	3.58242E-05	0.000773714	0.000355158	0.001668747
2082 Jun	190.9294891	0.147375703	0.203971595	0.005012128	32.81685638	0.051544294	73.3166275	0.001524766	0.000929134	5.61555E-06	0.008762215	0.004399837	0.120965287	0.027146054	7.50469E-06	31.63528061	3.5903E-05	0.000773633	0.000352059	0.001663001
2082 Jul	191.5667572	0.146533504	0.2032675	0.004999557	32.63346481	0.05148064	73.88546753	0.001535024	0.000929354	5.62638E-06	0.008802817	0.004438357	0.122169308	0.027070222	7.53516E-06	31.64627075	3.61437E-05	0.000779397	0.000349863	0.001664137
2082 Aug	192.222168	0.146839321	0.203621268	0.005009777	32.73737335	0.051672477	74.16776276	0.001539211	0.000932537	5.64434E-06	0.008832526	0.004448927	0.122491792	0.02714685	7.55716E-06	31.75740623	3.62661E-05	0.000781208	0.000351004	0.001670322
2082 Sep	192.3823395	0.146772131	0.203427255	0.005006678	32.75715256	0.05173438	74.25845337	0.001539424	0.000933383	5.64799E-06	0.008840366	0.004447763	0.122491151	0.027153892	7.55974E-06	31.78781319	3.62966E-05	0.000780968	0.000351244	0.001672276
2082 Oct	191.5279999	0.145817861	0.201804906	0.004970863	32.59796143	0.051561821	73.96514893	0.001531617	0.000930329	5.62567E-06	0.00880991	0.004419827	0.1217518	0.027017664	7.52384E-06	31.66189384	3.61504E-05	0.00077602	0.000349647	0.001666394
2082 Nov	191.5434265	0.145817444	0.201786578	0.004970668	32.59838104	0.051569391	73.9730835	0.001531844	0.000930509	5.6266E-06	0.008811662	0.00442018	0.121760957	0.027019218	7.52485E-06	31.66489601	3.61554E-05	0.000776072	0.000349649	0.001666595
2082 Dec	191.5514984	0.145823881	0.201794326	0.004970872	32.5997963	0.051571857	73.97594452	0.001531919	0.000930561	5.6269E-06	0.008812212	0.004420366	0.121765725	0.02702054	7.52522E-06	31.66635704	3.6157E-05	0.000776106	0.000349666	0.001666672
2083 Jan	191.5528107	0.145825028	0.20179528	0.004970903	32.60004807	0.051572345	73.97629547	0.001531935	0.000930574	5.62697E-06	0.008812226	0.004420396	0.121766329	0.027020857	7.5253E-06	31.66666222	3.61574E-05	0.000776111	0.00034967	0.001666687
2083 Feb	191.5588684	0.145829678	0.201801375	0.004971056	32.60109711	0.051574014	73.97853851	0.001531985	0.000930607	5.62716E-06	0.008812523	0.004420535	0.121770017	0.027021797	7.52555E-06	31.66771698	3.61585E-05	0.000776136	0.000349682	0.001666742
2083 Mar	191.5732422	0.145840645	0.201816395	0.004971427	32.60355377	0.051577911	73.98403168	0.001532102	0.000930678	5.62759E-06	0.008813196	0.004420866	0.121779077	0.027023872	7.52612E-06	31.67012787	3.61613E-05	0.000776195	0.000349709	0.001666868
2083 Apr	191.6487122	0.145898119	0.201895818	0.004973385	32.61640167	0.051598243	74.01315308	0.001532706	0.000931046	5.62981E-06	0.008816673	0.004422608	0.121827006	0.027034547	7.52909E-06	31.682621	3.61755E-05	0.0007765	0.000349847	0.001667526
2083 May	192.1891632	0.145875216	0.201644525	0.004969422	32.58974457	0.051602125	74.215271	0.001537881	0.000933221	5.64616E-06	0.008845201	0.004440917	0.122346714	0.027125515	7.54936E-06	31.78112602	3.62901E-05	0.000779322	0.000351121	0.001672098
2083 Jun	193.1446686	0.144680321	0.200001448	0.004926483	32.30431747	0.051096648	74.939888	0.001547611	0.000925116	5.62154E-06	0.008835522	0.004510441	0.124096215	0.027301792	7.55508E-06	31.97132874	3.64504E-05	0.000790593	0.000353507	0.001672913
2083 Jul	193.6372528	0.144680008	0.20016107	0.004929388	32.34882736	0.051147848	75.27783966	0.001551077	0.000924344	5.62005E-06	0.008841067	0.004527905	0.124537066	0.027351269	7.56457E-06	32.05306244	3.65334E-05	0.000793654	0.000354114	0.001675459
2083 Aug	193.7616882	0.144453406	0.199649125	0.004920299	32.36507034	0.051224682	75.34293365	0.001551009	0.00092604	5.62643E-06	0.008851232	0.004522876	0.124400467	0.027373452	7.56696E-06	32.09811401	3.65604E-05	0.00079276	0.000354698	0.001678176
2083 Sep	193.8808441	0.144206315	0.199202418	0.004910653	32.34608078	0.051245067	75.47760773	0.001550563	0.000925207	5.62202E-06	0.008849652	0.004523713	0.124460593	0.027359115	7.56322E-06	32.11611938	3.65679E-05	0.000792676	0.000354592	0.001679136
2083 Oct	194.3296356	0.144129172	0.199136317	0.004906158	32.27102661	0.051235788	75.92116547	0.001554495	0.000920721	5.60632E-06	0.008842892	0.004554275	0.125328645	0.027337965	7.56639E-06	32.14219284	3.66046E-05	0.000797169	0.000353516	0.001679106
2083 Nov	194.4689484	0.144139215	0.199151009	0.004905142	32.24110413	0.051230747	76.07888031	0.00155586	0.000918782	5.5992E-06	0.008839113	0.004565808	0.125656262	0.02732305	7.56672E-06	32.14400482	3.66116E-05	0.000798859	0.000352954	0.001678722
2083 Dec	194.4724121	0.14414221	0.199153185	0.004905215	32.24175644	0.051232081	76.07987213	0.0015559	0.000918815	5.59938E-06	0.008839381	0.004565883	0.125657842	0.02732384	7.56692E-06	32.14479065	3.66124E-05	0.000798873	0.000352963	0.001678764
2084 Jan	194.4719543	0.144142106	0.199152127	0.004905197	32.24173355	0.051232126	76.0794754	0.001555902	0.000918822	5.5994E-06	0.008839412	0.004565872	0.125657201	0.027323969	7.56693E-06	32.14484406	3.66124E-05	0.000798871	0.000352965	0.001678765
2084 Feb	194.4737701	0.144143552	0.199153632	0.004905238	32.24206161	0.051232658	76.08004761	0.001555919	0.000918834	5.59947E-06	0.008839517	0.004565913	0.12565814	0.027324354	7.56702E-06	32.14523315	3.66128E-05	0.000798879	0.00035297	0.001678784
2084 Mar	194.4886169	0.144154608	0.199168622	0.004905609	32.24454117	0.0512366	76.08578491	0.001556039	0.000918907	5.59991E-06	0.008840204	0.004566261	0.125667602	0.027326509	7.5676E-06	32.14772797	3.66156E-05	0.00079894	0.000352998	0.001678913
2084 Apr	194.6047668	0.144240722	0.199287489	0.004908538	32.2638092	0.051267214	76.13117981	0.001556969	0.000919457	5.60326E-06	0.00884549	0.004568988	0.125742584	0.027342871	7.57213E-06	32.16695404	3.66375E-05	0.000799417	0.00035321	0.001679917
2084 May	194.5102997	0.144033536	0.19854787	0.004891926	32.20506287	0.051176049	76.07207489	0.00155893	0.000919349	5.60237E-06	0.008846173	0.004577216	0.125738814	0.027448099	7.57304E-06	32.22895432	3.66222E-05	0.000801044	0.000354588	0.001679959
2084 Jun	193.399704	0.14268069	0.196491361	0.004833323	31.93023109	0.050526634	76.00284576	0.001555025	0.000903066	5.51654E-06	0.008734518	0.004601755	0.125673428	0.027529446	7.5103E-06	32.20912933	3.63318E-05	0.000806177	0.000355261	0.001665023
2084 Jul	193.9346619	0.142897218	0.196816415	0.004840917	32.01741791	0.050648384	76.29734802	0.001558832	0.000903969	5.52269E-06	0.008748718	0.004616321	0.126019105	0.027607296	7.525E-06	32.31102371	3.64218E-05	0.000808835	0.000356306	0.001669073
2084 Aug	194.5226593	0.143110797	0.197004601	0.004847074	32.10918808	0.05081585	76.55954742	0.001561899	0.000906491	5.53666E-06	0.008772582	0.004624238	0.12626873	0.02767716	7.54171E-06	32.41598892	3.6524E-05	0.000810182	0.000357462	0.001674768
2084 Sep	194.4009705	0.142771438	0.196340472	0.004833072	32.08531952	0.050811525	76.53846741	0.001559147	0.000906074	5.53165E-06	0.00876675	0.00461364	0.126006916	0.027651815	7.53092E-06	32.4108696	3.64945E-05	0.00080832	0.000357439	0.001674773
2084 Oct	194.1115112	0.142385244	0.195557922	0.004815549	32.01604462	0.050743915	76.45841217	0.001556313	0.000904472	5.52119E-06	0.008753831	0.004605221	0.125766903	0.027613621	7.5161E-06	32.37829971	3.64321E-05	0.000806756	0.000357012	0.001672871
2084 Nov	194.2033234	0.142395332	0.195527241	0.004814443	32.00692368	0.050744042	76.53094482	0.00155716	0.000903864	5.51937E-06	0.008753598	0.004610813	0.12591584	0.027620137	7.51727E-06	32.39064789	3.6438E-05	0.000807603	0.000356985	0.001673142
2084 Dec	194.2099762	0.142400697	0.195533037	0.004814598	32.00809479	0.050746083	76.53321838	0.001557223	0.000903909	5.51962E-06	0.008753985	0.004610969	0.125919625	0.027621372	7.51757E-06	32.3919487	3.64394E-05	0.000807631	0.000357001	0.001673208
2085 Jan	194.2092285	0.142400369	0.195531741	0.004814574	32.00802231	0.050746016	76.53272247	0.001557222	0.000903912	5.51964E-06	0.008753994	0.00461095	0.125918806	0.027621454	7.51757E-06	32.3919487	3.64393E-05	0.000807628	0.000357002	0.001673206
2085 Feb	194.2113037	0.142401993	0.195533514	0.00481462	32.00839615	0.050746601	76.53340912	0.00155724	0.000903925	5.51971E-06	0.008754105	0.004610998	0.125919938	0.027621869	7.51766E-06	32.39237213	3.64397E-05	0.000807637	0.000357008	0.001673226
2085 Mar	194.2166138	0.142405927	0.1955387	0.00481475	32.00928497	0.050748006	76.53543091	0.001557284	0.000903952	5.51987E-06	0.008754355	0.004611123	0.125923261	0.02762269	7.51787E-06	32.39330292	3.64407E-05	0.000807659	0.000357019	0.001673274
2085 Apr	194.2780457	0.142451018	0.19560045	0.004816271	32.01942062	0.050764073	76.55960846	0.001557777	0.000904239	5.52162E-06	0.008757129	0.004612582	0.125963032	0.027631465	7.52025E-06	32.40357208	3.64523E-05	0.000807915	0.000357132	0.001673804
2085 May	194.4619598	0.142407462	0.195148423	0.004806254	32.00281143	0.050733492	76.61006927	0.001560332	0.000904849	5.52583E-06	0.008766031	0.004623264	0.126109466	0.027746901	7.52695E-06	32.49496078	3.64807E-05	0.000809914	0.00035881	0.001675994
2085 Jun	195.1656189	0.142346144	0.194616109	0.004790661	31.98394966	0.050636832	77.01746368	0.001565931	0.000901947	5.51705E-06	0.008766261	0.004660477	0.126875266	0.027967917	7.53522E-06	32.70069885	3.65572E-05	0.000816536	0.000361993	0.001679974
2085 Jul	195.9799957	0.142766193	0.195093825	0.004803759	32.11435318	0.050859593	77.35881042	0.001571218	0.000905675	5.53847E-06	0.008801547	0.004674994	0.12729004	0.028077912	7.56224E-06	32.84537506	3.67053E-05	0.000819061	0.000363635	0.001687598
2085 Aug	196.133606	0.142510757	0.194533587	0.004792762	32.13318253	0.050929096	77.46586609	0.001569657	0.000906185	5.53879E-06	0.008804535	0.004667978	0.127148569	0.028081 51	7.55815E-06	32.88685608	3.67187E-05	0.000817779	0.000364129	0.00169016
2085 Sep	196.7250977	0.142416954	0.194186985	0.004784641	32.1333313	0.050988916	77.81755829	0.001572023	0.000905345	5.53837E-06	0.008811376	0.004684213	0.127643004	0.028139452	7.56444E-06	32.98867798	3.67766E-05	0.000820187	0.000365046	0.001694333
2085 Oct	197.9561462	0.14279823	0.194568634	0.004790854	32.15514374	0.051102251	78.50530243	0.001579029	0.000903563	5.54092E-06	0.008832228	0.004726451	0.128939077	0.028231917	7.58711E-06	33.14840317	3.69304E-05	0.000826658	0.000366041	0.00170132
2085 Nov	198.4229736	0.142939389	0.194687515	0.004792166	32.14784241	0.051132053	78.78774261	0.001581731	0.000902197	5.53914E-06	0.008837728	0.00474471	0.129502416	0.028257046	7.59439E-06	33.20185852	3.69823E-05	0.0008294	0.000366185	0.001703555
2085 Dec	198.4239807	0.142940834	0.194687277	0.004792178	32.14810562	0.051132727	78.78769684	0.001581752	0.000902219	5.53924E-06	0.008837883	0.004744733	0.129502416	0.028257571	7.59449E-06	33.20227814	3.69826E-05	0.000829405	0.000366191	0.001703575
2086 Jan	198.4232178	0.142940626	0.194685876	0.004792151	32.1480484	0.051132709	78.78713989	0.001581752	0.000902224	5.53926E-06	0.008837902	0.004744713	0.129501492	0.028257694	7.59449E-06	33.20230484	3.69825E-05	0.000829402	0.000366193	0.001703575
2086 Feb	198.4235992	0.142941028	0.194685861	0.004792155	32.14814377	0.051132862	78.78712463	0.001581757	0.00090223	5.53929E-06	0.008837941	0.004744721	0.129501477	0.028257895	7.59452E-06	33.20246506	3.69826E-05	0.000829404	0.000366195	0.001703581
2086 Mar	198.430603	0.142946139	0.194692537	0.004792321	32.14929962	0.051134694	78.78982544	0.001581814	0.000902264	5.5395E-06	0.008838265	0.004744887	0.129505888	0.028258974	7.59479E-06	33.20368958	3.69839E-05	0.000829433	0.00036621	0.001703643
2086 Apr	198.5162659	0.143007919	0.194776475	0.004794388	32.16319656	0.051156793	78.82379913	0.001582498	0.000902655	5.54189E-06	0.008842087	0.004746935	0.129561737	0.028271221	7.59808E-06	33.21805573	3.69999E-05	0.000829791	0.000366368	0.00170438
2086 May	198.6784973	0.143104464	0.194759518	0.004794905	32.18581772	0.051198851	78.86280823	0.001584213	0.000904044	5.54932E-06	0.008853276	0.004750888	0.129628509	0.028323743	7.60607E-06	33.26564026	3.70328E-05	0.000830549	0.000367116	0.001706397
2086 Jun	198.5291901	0.142023712	0.192694962	0.004740938	31.90681267	0.050694663	79.05929565	0.001587224	0.000894214	5.50528E-06	0.008807386	0.004793321	0.130344763	0.028489761	7.58387E-06	33.36662292	3.69543E-05	0.000838142	0.000369001	0.001700828
2086 Jul	199.0758057	0.142063931	0.192888156	0.004744611	31.95463181	0.05075926	79.44184875	0.001592264	0.000893629	5.50531E-06	0.008817244	0.004816548	0.130898699	0.028559821	7.59847E-06	33.46456909	3.70555E-05	0.000842318	0.000369666	0.001703625
2086 Aug	199.5223083	0.142108381	0.192788512	0.004744512	32.02323914	0.050903581	79.65131378	0.001593907	0.000895764	5.51594E-06	0.008835771	0.004819056	0.131002828	0.028609904	7.60907E-06	33.55137253	3.71305E-05	0.000842711	0.000370632	0.001708505
2086 Sep	199.0630493	0.141492367	0.191627428	0.004719878	31.94991875	0.050848652	79.47883606	0.00158879	0.000894926	5.50619E-06	0.008820928	0.004798146	0.130443871	0.028548332	7.58806E-06	33.50260544	3.70423E-05	0.000839083	0.000370153	0.00170644
2086 Oct	199.153717	0.141410172	0.191441149	0.00471616	31.94130516	0.050866988	79.54637909	0.00158904	0.000894907	5.50652E-06	0.008823449	0.004799568	0.130512312	0.02854462	7.58871E-06	33.51423645	3.70529E-05	0.000839188	0.000370105	0.001707251
2086 Nov	199.2110596	0.141446486	0.191488996	0.004717353	31.94944572	0.050881024	79.57041931	0.001589492	0.000895142	5.50801E-06	0.008825911	0.004800993	0.130552143	0.028552182	7.59081E-06	33.52358246	3.70633E-05	0.000839431	0.000370201	0.001707733
2086 Dec	199.216568	0.141450733	0.19149372	0.004717479	31.95038795	0.050882652	79.5723877	0.001589542	0.000895177	5.50821E-06	0.008826215	0.004801123	0.130555391	0.028553162	7.59106E-06	33.52463531	3.70644E-05	0.000839455	0.000370213	0.001707786
2087 Jan	199.2170563	0.141451225	0.191493839	0.004717486	31.95049667	0.050882876	79.57243347	0.00158955	0.000895184	5.50825E-06	0.008826266	0.004801134	0.130555481	0.028553354	7.59109E-06	33.52479553	3.70646E-05	0.000839457	0.000370216	0.001707793
2087 Feb	199.2220001	0.141454786	0.191498384	0.004717601	31.95131111	0.050884165	79.57431793	0.001589591	0.000895208	5.50839E-06	0.008826497	0.004801252	0.13055858	0.028554143	7.59129E-06	33.52568436	3.70655E-05	0.000839478	0.000370226	0.001707837
2087 Mar	199.2405548	0.141468003	0.191516116	0.004718038	31.95429993	0.050888926	79.58168793	0.001589739	0.000895293	5.50891E-06	0.008827327	0.004801699	0.13057065	0.028556846	7.592E-06	33.5288353	3.70689E-05	0.000839556	0.000370261	0.001707997
2087 Apr	199.2844391	0.141499192	0.191558242	0.004719077	31.96134377	0.050900143	79.59918976	0.00159009	0.000895491	5.51013E-06	0.008829274	0.004802756	0.130599365	0.02856316	7.59368E-06	33.53623199	3.70771E-05	0.000839741	0.000370343	0.001708374
2087 May	199.5483551	0.141492978	0.191417858	0.004716387	31.9596386	0.050912809	79.71148682	0.001592932	0.00089638	5.51663E-06	0.008841054	0.004813634	0.130847275	0.028632721	7.60396E-06	33.60232544	3.71269E-05	0.000841645	0.000371258	0.001710631
2087 Jun	200.368866	0.141059741	0.190634146	0.004696469	31.86923218	0.050793543	80.23509216	0.001602214	0.000894459	5.51568E-06	0.0088553	0.004863337	0.131988257	0.028846132	7.62649E-06	33.8077507	3.72701E-05	0.0008504	0.000373802	0.001714607
2087 Jul	200.9122772	0.141216978	0.190713435	0.004700437	31.95355797	0.050952468	80.47296143	0.001605268	0.000897168	5.5301E-06	0.008879497	0.004870367	0.132191852	0.028921468	7.64299E-06	33.91360855	3.73692E-05	0.000851634	0.00037504	0.001720187

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2087 Aug	201.6533661	0.141603172	0.191162437	0.004712601	32.07025146	0.051154245	80.78546143	0.001610197	0.000900496	5.54944E-06	0.008911191	0.004884243	0.132586598	0.029021049	7.66781E-06	34.04416275	3.75021E-05	0.000854034	0.000376494	0.001727034
2087 Sep	201.9424438	0.141669005	0.191133291	0.004713223	32.11565781	0.051245738	80.91751862	0.001611361	0.000901847	5.55632E-06	0.008923642	0.004886388	0.132665113	0.029055394	7.67496E-06	34.10030365	3.75518E-05	0.000854398	0.000377123	0.001730131
2087 Oct	201.7314148	0.141421914	0.190646961	0.004702794	32.08427048	0.051217321	80.83594513	0.00160899	0.000901373	5.5515E-06	0.008916793	0.004877026	0.132413611	0.029027784	7.66519E-06	34.07690811	3.75128E-05	0.000852778	0.000376913	0.001729136
2087 Nov	201.615036	0.14131777	0.190437466	0.004698301	32.06771088	0.051199969	80.78482056	0.001608	0.0009012	5.54953E-06	0.008913684	0.004872885	0.132294729	0.029016318	7.66099E-06	34.06388855	3.74928E-05	0.000852073	0.000376805	0.001728518
2087 Dec	201.6194305	0.141321287	0.190440834	0.004698396	32.06848907	0.051201358	80.78624725	0.001608044	0.000901233	5.54971E-06	0.008913956	0.004872988	0.132297114	0.029017221	7.66121E-06	34.06480789	3.74938E-05	0.000852092	0.000376817	0.001728564
2088 Jan	201.6208496	0.141322494	0.190441698	0.004698424	32.06876373	0.051201843	80.78662109	0.00160806	0.000901246	5.54978E-06	0.008914057	0.004873021	0.132297724	0.029017603	7.66128E-06	34.06516647	3.74941E-05	0.000852099	0.000376822	0.001728581
2088 Feb	201.6219482	0.141323358	0.190442473	0.004698446	32.06896973	0.051202163	80.78694153	0.00160807	0.000901254	5.54982E-06	0.008914123	0.004873046	0.132298246	0.029017877	7.66134E-06	34.06542587	3.74943E-05	0.000852104	0.000376826	0.001728593
2088 Mar	201.6414185	0.141337052	0.190460727	0.004698898	32.07208252	0.051207129	80.79467773	0.001608227	0.000901343	5.55037E-06	0.008914992	0.004873517	0.132310897	0.029020742	7.66208E-06	34.0687561	3.74979E-05	0.000852186	0.000376863	0.001728761
2088 Apr	201.8089447	0.141454235	0.190618336	0.004702789	32.09873581	0.051249683	80.86179352	0.001609561	0.000902092	5.55498E-06	0.0089224	0.004877556	0.13242057	0.02904488	7.66844E-06	34.0970993	3.75291E-05	0.000852893	0.000377177	0.001730199
2088 May	202.161026	0.141693085	0.190925896	0.004710506	32.15532303	0.051340364	81.00140381	0.001612323	0.000903725	5.56484E-06	0.008938192	0.004885726	0.132640019	0.029097591	7.68173E-06	34.15865707	3.75946E-05	0.00085433	0.000377881	0.001733302
2088 Jun	201.8171082	0.140698686	0.188999012	0.004673097	31.98656464	0.051226489	80.78730011	0.001613924	0.000907813	5.58235E-06	0.008966077	0.004877856	0.132310092	0.029140584	7.6883E-06	34.17684555	3.76357E-05	0.000853054	0.000378529	0.001733855
2088 Jul	203.0041809	0.141108155	0.189442426	0.004687105	32.10603333	0.051483899	81.29154968	0.001623945	0.000913688	5.61811E-06	0.009026997	0.004906953	0.133124918	0.02930416	7.73486E-06	34.38211823	3.78887E-05	0.000858001	0.000380678	0.001744443
2088 Aug	204.1277161	0.141785473	0.190309957	0.004709323	32.28171539	0.051777802	81.75791931	0.00163212	0.000918649	5.64793E-06	0.009075785	0.00493103	0.133799434	0.029455986	7.77479E-06	34.57339859	3.8095E-05	0.000862183	0.000382762	0.001754368
2088 Sep	204.4382935	0.141858742	0.190339133	0.004711085	32.32785797	0.051868767	81.90721893	0.001633372	0.000919843	5.65436E-06	0.009087829	0.004934046	0.133914202	0.02948474	7.78219E-06	34.62686539	3.81483E-05	0.000862673	0.000383296	0.0017574
2088 Oct	203.5733643	0.1410698	0.188956767	0.004680633	32.19539261	0.051713992	81.56253052	0.0016256	0.00091744	5.6351E-06	0.009058821	0.004904707	0.133121207	0.029364014	7.74834E-06	34.50391769	3.79981E-05	0.000857583	0.000381947	0.001751765
2088 Nov	203.383667	0.140913874	0.18865481	0.004674177	32.16781998	0.051685419	81.47978973	0.001624153	0.000917175	5.63216E-06	0.009054218	0.004898492	0.132943958	0.029342782	7.74215E-06	34.47979355	3.79678E-05	0.000856521	0.000381699	0.001750658
2088 Dec	203.3908386	0.140919298	0.188660726	0.004674337	32.16901779	0.05168755	81.48235321	0.001624221	0.000917221	5.63242E-06	0.009054624	0.004898662	0.132948175	0.029344052	7.74247E-06	34.48116302	3.79693E-05	0.000856552	0.000381715	0.001750728
2089 Jan	203.3913574	0.140919864	0.188660786	0.004674345	32.16914368	0.051687825	81.48236847	0.00162423	0.00091723	5.63247E-06	0.009054692	0.004898673	0.132948235	0.029344285	7.74252E-06	34.48135757	3.79694E-05	0.000856555	0.000381718	0.001750737
2089 Feb	203.3941956	0.140921906	0.188663155	0.004674407	32.16962051	0.051688589	81.48338318	0.001624255	0.000917246	5.63256E-06	0.009054838	0.004898741	0.132949889	0.029344795	7.74264E-06	34.48190689	3.797E-05	0.000856567	0.000381725	0.001750764
2089 Mar	203.4181366	0.14093855	0.188685209	0.004674955	32.17341995	0.051694695	81.49291229	0.001624447	0.000917356	5.63323E-06	0.009055913	0.004899316	0.132965431	0.029348306	7.74355E-06	34.48600006	3.79745E-05	0.000856668	0.000381771	0.001750971
2089 Apr	203.524765	0.141012445	0.188784003	0.004677404	32.19029617	0.051721815	81.53559875	0.001625299	0.000917838	5.63619E-06	0.009060667	0.004901884	0.133035064	0.029363727	7.74762E-06	34.50410461	3.79944E-05	0.000857117	0.000381971	0.00175189
2089 May	203.8359985	0.141015932	0.188409284	0.004671863	32.20073318	0.051773939	81.58805084	0.001629151	0.000921506	5.6556E-06	0.00909099	0.004909107	0.133153066	0.029478773	7.76603E-06	34.60624695	3.80848E-05	0.000858517	0.000383681	0.001756355
2089 Jun	205.8429718	0.141397774	0.1878521	0.004667892	32.28334045	0.052032102	82.24993134	0.001648513	0.000934099	5.73112E-06	0.009218242	0.004965004	0.134531677	0.029940816	7.85334E-06	35.06470871	3.85553E-05	0.000868317	0.000390299	0.001776937
2089 Jul	206.4841614	0.141639158	0.188047022	0.004674764	32.38402557	0.05221875	82.52239227	0.001652415	0.000937382	5.74898E-06	0.0092478	0.004974225	0.13479884	0.030028556	7.87412E-06	35.18524933	3.86749E-05	0.000869921	0.000391687	0.001783396
2089 Aug	207.0887604	0.141893804	0.188276649	0.004682222	32.47967148	0.052396577	82.77545166	0.001656328	0.000940525	5.76626E-06	0.009275758	0.004983754	0.135067582	0.030113798	7.89457E-06	35.29862213	3.8786E-05	0.000871568	0.000392987	0.00178945
2089 Sep	207.1254425	0.141723573	0.187883988	0.004674461	32.48487854	0.052433576	82.81665802	0.001654946	0.00094075	5.76559E-06	0.009276984	0.004977543	0.134932607	0.030105118	7.89035E-06	35.31327438	3.8788E-05	0.000870455	0.00039313	0.001790631
2089 Oct	207.9261322	0.14168632	0.18730633	0.00466438	32.46530914	0.05252609	83.15274048	0.001659231	0.000943453	5.78513E-06	0.009315657	0.004993566	0.13552165	0.030189252	7.91102E-06	35.44341278	3.89322E-05	0.000872533	0.00039455	0.001798413
2089 Nov	208.4227142	0.141894385	0.187492087	0.004669498	32.49666595	0.052604456	83.35501862	0.001662891	0.00094516	5.79749E-06	0.009337418	0.00500675	0.13592419	0.030250993	7.92772E-06	35.52058411	3.90229E-05	0.00087461	0.00039538	0.001802556
2089 Dec	208.4320831	0.14190124	0.187499806	0.004669702	32.49819946	0.052607104	83.35845947	0.001662974	0.000945215	5.7978E-06	0.009337916	0.005006973	0.135929838	0.030252591	7.92812E-06	35.52233887	3.90248E-05	0.000874649	0.000395401	0.001802645
2090 Jan	208.4358826	0.141904071	0.187502831	0.004669783	32.49883652	0.052608192	83.35978699	0.001663009	0.000945238	5.79794E-06	0.009338125	0.005007062	0.135931998	0.0302533	7.92829E-06	35.52308655	3.90255E-05	0.000874666	0.00039541	0.001802682
2090 Feb	208.4412537	0.141907826	0.187507421	0.004669901	32.49970627	0.052609596	83.36183167	0.001663054	0.000945266	5.7981E-06	0.009338384	0.005007191	0.135935336	0.030254187	7.9285E-06	35.52407074	3.90266E-05	0.000874688	0.000395422	0.001802731
2090 Mar	208.4599609	0.141920611	0.18752411	0.004670318	32.50263596	0.052614339	83.36924744	0.001663204	0.000945352	5.79863E-06	0.00933923	0.005007639	0.135947421	0.030256955	7.92922E-06	35.52729416	3.90301E-05	0.000874767	0.000395458	0.001802894
2090 Apr	208.526123	0.141965687	0.187583566	0.004671799	32.51295853	0.05263105	83.39567566	0.001663733	0.000945653	5.80047E-06	0.009342199	0.005009228	0.135990515	0.03026659	7.93174E-06	35.53859329	3.90425E-05	0.000875045	0.000395584	0.001803467
2090 May	208.9761658	0.142171726	0.187780097	0.004677123	32.5545578	0.052708004	83.56780243	0.001666867	0.000947404	5.81218E-06	0.00936166	0.005019843	0.136306375	0.030331016	7.94668E-06	35.61485672	3.91238E-05	0.000876774	0.000396533	0.001807411
2090 Jun	216.4217224	0.143734843	0.188749433	0.004702878	32.72341537	0.053164419	86.73258972	0.001712086	0.000960767	5.94349E-06	0.009617364	0.005224654	0.142804191	0.031232132	8.14192E-06	36.75499344	4.04122E-05	0.000908657	0.000410562	0.001864197
2090 Jul	217.5501099	0.14405714	0.189162418	0.004713729	32.8172226	0.053337876	87.26773071	0.00172	0.000963711	5.96516E-06	0.0096598	0.0052546	0.143680498	0.031366985	8.17645E-06	36.9361496	4.06268E-05	0.00091368	0.000412424	0.001872978
2090 Aug	217.5030212	0.143513769	0.188307449	0.004695725	32.76695633	0.053332098	87.33818054	0.001718052	0.000962981	5.9594E-06	0.009654661	0.00524829	0.143562436	0.031328142	8.16758E-06	36.93260574	4.06125E-05	0.000912422	0.000412076	0.001873114
2090 Sep	218.4234314	0.143324122	0.188390106	0.004694768	32.68613052	0.053360164	88.07774353	0.00172481	0.000958675	5.94905E-06	0.00966208	0.00529357	0.145013854	0.031293157	8.18475E-06	36.98625183	4.07469E-05	0.000919443	0.000410524	0.001875101
2090 Oct	218.4449768	0.142873466	0.188137382	0.004683577	32.4647789	0.053212605	88.55469513	0.001728547	0.000949507	5.91185E-06	0.009634933	0.005334286	0.146250919	0.0311199	8.17911E-06	36.86832428	4.07291E-05	0.000925731	0.000406028	0.001867685
2090 Nov	218.1192627	0.142638355	0.187902749	0.00467599	32.36896896	0.053123452	88.58605194	0.001727379	0.000945233	5.8909E-06	0.009612941	0.005339264	0.146406963	0.031015007	8.16597E-06	36.77452469	4.06623E-05	0.000926417	0.000403818	0.001862573
2090 Dec	218.1242218	0.142642707	0.187905833	0.00467609	32.36985779	0.053125292	88.58751678	0.001727435	0.000945277	5.89114E-06	0.009613314	0.005339382	0.146409452	0.031016134	8.16624E-06	36.7756424	4.06634E-05	0.000926439	0.000403831	0.00186263
2091 Jan	218.1246033	0.142643362	0.187905654	0.004676094	32.36998367	0.053125598	88.58742523	0.001727444	0.000945288	5.89119E-06	0.009613385	0.005339389	0.146409318	0.031016389	8.16629E-06	36.77583694	4.06636E-05	0.000926441	0.000403835	0.001862639
2091 Feb	218.1251221	0.142643869	0.187905803	0.004676101	32.37009811	0.053125799	88.58748627	0.001727451	0.000945294	5.89122E-06	0.009613432	0.005339399	0.146409422	0.031016592	8.16632E-06	36.77600861	4.06637E-05	0.000926443	0.000403837	0.001862647
2091 Mar	218.1582184	0.142665625	0.18793416	0.004676809	32.37503433	0.053133901	88.60085297	0.001727715	0.00094544	5.89213E-06	0.009614904	0.00534021	0.146431521	0.031021373	8.16757E-06	36.7816391	4.06699E-05	0.000926584	0.0004039	0.001862931
2091 Apr	218.2909698	0.142752483	0.188048437	0.004679654	32.39474869	0.053166263	88.65472412	0.001728767	0.000946017	5.89572E-06	0.009620762	0.005343459	0.14652054	0.03104029	8.17254E-06	36.80405045	4.06946E-05	0.000927148	0.000404146	0.001864066
2091 May	218.2122955	0.142747805	0.187885106	0.004676527	32.38831329	0.053165935	88.61382294	0.001729824	0.000946573	5.89765E-06	0.009624487	0.005345404	0.146481916	0.031071911	8.17557E-06	36.81785965	4.06925E-05	0.000927701	0.000404385	0.001863902
2091 Jun	215.0480957	0.140920833	0.185067132	0.004606009	31.96438408	0.052435257	87.54938507	0.001717259	0.000932866	5.81024E-06	0.009501712	0.005314559	0.144905493	0.030875217	8.0896E-06	36.4407196	4.01795E-05	0.000924354	0.000399884	0.001835621
2091 Jul	215.9476929	0.141453758	0.185721636	0.004622979	32.10476303	0.052670084	87.93685913	0.001724621	0.000936921	5.83438E-06	0.009542663	0.005336622	0.145477176	0.031012543	8.12381E-06	36.60405731	4.03533E-05	0.000928312	0.000401647	0.001843531
2091 Aug	215.9618835	0.141192228	0.18513453	0.004611569	32.11463928	0.052730806	87.96720886	0.001722545	0.000937542	5.83441E-06	0.009543666	0.005326187	0.145227939	0.03100308	8.11779E-06	36.62444687	4.03451E-05	0.000926477	0.000401895	0.00184516
2091 Sep	215.5593567	0.140745312	0.184264004	0.004593251	32.06389236	0.052698344	87.80397034	0.001718334	0.000937032	5.82702E-06	0.009531155	0.005308196	0.144738138	0.030952444	8.1009E-06	36.58106995	4.0265E-05	0.000923391	0.000401462	0.001843339
2091 Oct	215.8917542	0.140575692	0.184093028	0.004587314	31.99902534	0.052676152	88.14801788	0.001720436	0.000933478	5.81451E-06	0.009524921	0.00532965	0.145437106	0.030916654	8.10225E-06	36.58776855	4.02904E-05	0.000926697	0.000400355	0.001843098
2091 Nov	215.9971313	0.140430108	0.183924064	0.004581259	31.92167282	0.052625306	88.36404419	0.001721689	0.0009299	5.80045E-06	0.00951538	0.005346323	0.145956591	0.030871633	8.10001E-06	36.565979	4.02883E-05	0.000929307	0.000399061	0.001841269
2091 Dec	215.9935608	0.140427306	0.183914378	0.004581018	31.91931152	0.05262436	88.36584473	0.001721732	0.000929839	5.80019E-06	0.009515269	0.005346651	0.145964801	0.030870743	8.1E-06	36.56506348	4.02876E-05	0.000929362	0.000399025	0.001841201
2092 Jan	215.9934692	0.140427724	0.183913693	0.004581011	31.9193821	0.05262458	88.36551666	0.001721738	0.000929849	5.80024E-06	0.009515327	0.005346645	0.145964265	0.030870976	8.10003E-06	36.56520844	4.02877E-05	0.000929361	0.000399027	0.001841207
2092 Feb	215.9972687	0.140430406	0.183916584	0.004581087	31.91999435	0.052625593	88.36688995	0.001721771	0.00092987	5.80036E-06	0.009515521	0.005346737	0.14596653	0.030871676	8.10019E-06	36.56595612	4.02884E-05	0.000929378	0.000399037	0.001841243
2092 Mar	216.0359039	0.140455633	0.183949292	0.004581904	31.92572975	0.052635055	88.38259888	0.001722081	0.000930039	5.80141E-06	0.009517238	0.005347693	0.145992488	0.030877287	8.10165E-06	36.57255173	4.02956E-05	0.000929544	0.000399109	0.001841574
2092 Apr	216.1448059	0.140526503	0.184041902	0.004584212	31.94183922	0.052661613	88.42709351	0.00172295	0.00093051	5.80434E-06	0.009522044	0.005350388	0.146065965	0.030892901	8.10574E-06	36.59101868	4.0316E-05	0.000930013	0.000399311	0.001842503
2092 May	216.3330231	0.140516728	0.183855817	0.00458004	31.93179131	0.052648719	88.50590515	0.001724634	0.000930717	5.80719E-06	0.009528664	0.005358869	0.146273196	0.030948311	8.1114E-06	36.64062119	4.03449E-05	0.000931518	0.000400064	0.001844082
2092 Jun	213.1078949	0.137305096	0.180123791	0.004476395	31.28490639	0.051305529	87.79178619	0.001705327	0.000902094	5.65142E-06	0.009318464	0.005351925	0.14548558	0.030690549	7.97688E-06	36.21240234	3.9752E-05	0.00093262	0.000395335	0.001807006
2092 Jul	212.2103271	0.13646394	0.179486617	0.004457848	31.17346191	0.051061157	87.67468262	0.001700419	0.000895062	5.60987E-06	0.00926473	0.005345514	0.145142436	0.030564671	7.94351E-06	36.07019806	3.96193E-05	0.000932334	0.000393032	0.00179657
2092 Aug	213.0509491	0.136870578	0.179947451	0.004470384	31.29844666	0.051280126	88.0408783	0.001705867	0.000898517	5.63034E-06	0.009299568	0.005361671	0.145610109	0.030672861	7.97058E-06	36.21619034	3.97695E-05	0.000935125	0.000394611	0.001804153
2092 Sep	213.0592651	0.136712745	0.179588825	0.004463353	31.30467224	0.051314298	88.05941772	0.001704425	0.000898816	5.62992E-06	0.009299963	0.00535483	0.14545159	0.030664429	7.96624E-06	36.22735596	3.97652E-05	0.000933928	0.000394752	0.001805106
2092 Oct	212.8057251	0.136458874	0.179101735	0.004452862	31.27311897	0.051283173	87.95747375	0.001701535	0.000898222	5.6241E-06	0.00929122	0.005343403	0.145150438	0.030627131	7.95455E-06	36.1950264	3.97175E-05	0.000931951	0.000394439	0.001803792
2092 Nov	212.741745	0.136401832	0.178983435	0.004450362	31.26560593	0.051276438	87.929245	0.001700899	0.000898148	5.62302E-06	0.009289511	0.005340667	0.145075113	0.030619605	7.95202E-06	36.18772888	3.97062E-05	0.000931484	0.000394376	0.00180349
2092 Dec	212.7514954	0.136408597	0.17899099	0.004450562	31.26712608	0.051279068	87.93295288	0.001700986	0.000898201	5.62334E-06	0.009290014	0.005340909	0.145081252	0.030621264	7.95243E-06	36.18955231	3.97081E-05	0.000931527	0.000394397	0.00180358
2093 Jan	212.7516022	0.13640891	0.178990707	0.004450561	31.26719284	0.051279217	87.93279266	0.001700991	0.000898208	5.62337E-06	0.009290057	0.00534091	0.145081013	0.030621447	7.95245E-06	36.18967819	3.97082E-05	0.000931528	0.0003944	0.001803586
2093 Feb	212.7554626	0.136411488	0.178993732	0.004450639	31.26779175	0.051280189	87.9342804	0.001701024	0.000898228	5.62348E-06	0.009290243	0.005341005	0.145083442	0.030622108	7.95261E-06	36.1904068	3.97089E-05	0.000931545	0.000394408	0.001803621
2093 Mar	212.8119812	0.136447772	0.179041162	0.00445182	31.27611732	0.051293835	87.95757294	0.001701476	0.000898468	5.62499E-06	0.009292719	0.005342423	0.145121887	0.030630302	7.95473E-06	36.20005798	3.97195E-05	0.000931792	0.000394514	0.001804101
2093 Apr	212.9268646	0.136521474	0.179137737	0.004454222	31.29301262	0.05132154	88.00501251	0.001702396	0.000898954	5.62803E-06	0.009297742	0.005345306	0.145200163	0.030646868	7.95902E-06	36.21961975	3.9741E-05	0.000932295	0.000394727	0.001805076
2093 May	213.1149292	0.136511937	0.178995177	0.004451857	31.3009243	0.051329732	88.04997253	0.00170383	0.0009002 14	5.63532E-06	0.009308521	0.005349343	0.145294696	0.030702587	7.96608E-06	36.27098465	3.97806E-05	0.000933048	0.000395656	0.001807271
2093 Jun	214.0281372	0.135148928	0.17749244	0.004410854	31.07669067	0.050819498	88.6820755	0.001704358	0.000891812	5.6066E-06	0.009286551	0.005391925	0.146692529	0.030813735	7.95522E-06	36.41070557	3.99308E-05	0.000940252	0.000398285	0.001809372
2093 Jul	214.8282776	0.135384247	0.177836031	0.00441973	31.17081261	0.050970715	89.07309723	0.00170962	0.000893992	5.62123E-06	0.009314947	0.005411357	0.147243127	0.030916234	7.97913E-06	36.54753494	4.00816E-05	0.000943683	0.000399751	0.001815813
2093 Aug	215.4906464	0.135644019	0.178088278	0.004427373	31.27014542	0.0511491	89.36592102	0.001713448	0.00089677	5.63707E-06	0.00934196	0.005422064	0.147562668	0.031000014	7.99898E-06	36.66600418	4.01982E-05	0.000945522	0.000401068	0.001822059
2093 Sep	215.4506683	0.135435894	0.177635565	0.004418196	31.27078247	0.05117451	89.36863708	0.001711246	0.000896799	5.63471E-06	0.009339859	0.005412692	0.147341475	0.030981984	7.9915E-06	36.6699028	4.01843E-05	0.000943878	0.000401143	0.001822734
2093 Oct	215.4752197	0.134849206	0.176642984	0.004394868	31.13762283	0.051055595	89.51465607	0.001708315	0.000893202	5.61921E-06	0.009328809	0.005414087	0.147586614	0.030900309	7.97607E-06	36.63299179	4.01738E-05	0.000943498	0.000400134	0.001821875
2093 Nov	215.9546204	0.134835958	0.176595926	0.004392818	31.09491348	0.051051058	89.82518005	0.001711139	0.000891793	5.61832E-06	0.009339365	0.005434164	0.148268342	0.03090599	7.98518E-06	36.67102432	4.0256E-05	0.000946533	0.000399924	0.001824054
2093 Dec	215.9626465	0.134842098	0.176601142	0.004392971	31.0962429	0.05105355	89.82788849	0.001711219	0.000891851	5.61864E-06	0.009339868	0.005434358	0.148272842	0.030907635	7.98557E-06	36.67271805	4.02577E-05	0.000946569	0.000399944	0.001824138
2094 Jan	215.9642944	0.134843513	0.176601961	0.004393	31.09655571	0.051054124	89.82829285	0.001711238	0.000891867	5.61873E-06	0.009339994	0.005434396	0.148273513	0.030908097	7.98566E-06	36.67314529	4.02581E-05	0.000946576	0.00039995	0.001824158
2094 Feb	215.9662018	0.134844899	0.176603228	0.004393035	31.09687805	0.051054642	89.82891846	0.001711256	0.000891879	5.6188E-06	0.0093401	0.005434442	0.148274541	0.030908519	7.98574E-06	36.67356491	4.02585E-05	0.000946585	0.000399956	0.001824177
2094 Mar	215.9953766	0.134863228	0.176626906	0.004393626	31.10110664	0.051061574	89.84095764	0.001711489	0.000892002	5.61957E-06	0.009341376	0.005435175	0.148294419	0.030912776	7.98683E-06	36.67856979	4.02639E-05	0.000946713	0.000400011	0.001824425
2094 Apr	216.0749817	0.134912983	0.176691934	0.004395245	31.11258507	0.051080421	89.87403107	0.00171212	0.000892332	5.62164E-06	0.009344826	0.005437178	0.148349002	0.030924216	7.98978E-06	36.6921196	4.02788E-05	0.000947062	0.000400159	0.001825099
2094 May	216.5633545	0.134848416	0.17642647	0.004388522	31.08069611	0.051038165	90.12101746	0.00171477	0.000891736	5.62395E-06	0.009357028	0.0054555	0.148909628	0.030996377	7.99896E-06	36.77380753	4.03638E-05	0.000950058	0.000401237	0.001828383
2094 Jun	217.6029053	0.134524301	0.1756652	0.004368725	30.99954414	0.050904498	90.71591187	0.001719599	0.000888852	5.62044E-06	0.009374569	0.005496419	0.150148943	0.031146653	8.01282E-06	36.95113754	4.05443E-05	0.000956908	0.000403546	0.001834712

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2094 Jul	218.7147675	0.135100871	0.176318541	0.004386314	31.1633625	0.051185522	91.18475342	0.001727437	0.000893713	5.64933E-06	0.009423162	0.005519614	0.15079385	0.03130373	8.05106E-06	37.14901352	4.07504E-05	0.000960956	0.000405775	0.001844786
2094 Aug	219.9095154	0.135772616	0.177140877	0.004407495	31.3364296	0.051477995	91.68849945	0.001736252	0.000898697	5.6799E-06	0.009474359	0.005546901	0.151548982	0.031471606	8.09312E-06	37.35616302	4.097E-05	0.000965699	0.00040806	0.001855237
2094 Sep	219.8035278	0.135558039	0.176632628	0.004397166	31.33209801	0.051497057	91.65342712	0.001733731	0.000898762	5.6772E-06	0.009471434	0.005535752	0.15126583	0.031452082	8.08429E-06	37.35388947	4.09456E-05	0.000963772	0.000408111	0.001855582
2094 Oct	218.9800415	0.13494128	0.175462648	0.004371432	31.23337173	0.051375031	91.29679108	0.001725985	0.000896808	5.65993E-06	0.009443653	0.005505449	0.150431797	0.031347424	8.05178E-06	37.2430954	4.07945E-05	0.000958567	0.000407059	0.001850582
2094 Nov	218.4526978	0.134512365	0.174499854	0.004350564	31.1413784	0.051276114	91.04594421	0.001720942	0.000895715	5.65057E-06	0.009429073	0.005486074	0.14993076	0.031281039	8.03087E-06	37.17100906	4.0696E-05	0.000955059	0.000406416	0.001847762
2094 Dec	218.4924927	0.134513497	0.174473792	0.004350059	31.13956833	0.05127823	91.06259155	0.001721044	0.00089576	5.65119E-06	0.009430468	0.005486773	0.149964184	0.031282973	8.03146E-06	37.17573547	4.07016E-05	0.000955129	0.000406464	0.001848122
2095 Jan	218.4948883	0.134515539	0.174475074	0.004350101	31.1400032	0.05127902	91.06325531	0.00172107	0.000895781	5.6513E-06	0.009430637	0.005486829	0.149965286	0.031283595	8.03158E-06	37.17632675	4.07021E-05	0.00095514	0.000406472	0.00184815
2095 Feb	218.4998474	0.134518251	0.17447786	0.004350173	31.14054871	0.051279958	91.06520081	0.001721107	0.0008958	5.65143E-06	0.00943085	0.005486954	0.149968863	0.031284336	8.03176E-06	37.17717743	4.0703E-05	0.000955161	0.000406482	0.001848193
2095 Mar	218.51828	0.134529606	0.17449221	0.004350532	31.14315796	0.051284261	91.07278442	0.001721252	0.000895877	5.65192E-06	0.009431655	0.005487416	0.149981439	0.031287041	8.03244E-06	37.18035507	4.07064E-05	0.000955241	0.000406518	0.001848351
2095 Apr	218.6198425	0.134592205	0.174573168	0.004352553	31.15764999	0.051308118	91.11504364	0.001722053	0.000896295	5.65455E-06	0.009436047	0.005489965	0.150051028	0.031301636	8.03617E-06	37.19766998	4.07253E-05	0.000955685	0.000406707	0.001849211
2095 May	219.5990295	0.134845093	0.174415737	0.004350636	31.19147491	0.051393826	91.48121643	0.001727669	0.00089914	5.67622E-06	0.009476692	0.005513633	0.150786296	0.031462107	8.06279E-06	37.37834549	4.08953E-05	0.00095945	0.00040928	0.001858822
2095 Jun	222.0037384	0.135557324	0.174522862	0.004355747	31.30528259	0.051632456	92.45748901	0.001741971	0.000905005	5.72364E-06	0.009569102	0.005575459	0.152679756	0.0318221	8.12844E-06	37.79805374	4.13148E-05	0.000969474	0.000414832	0.001878814
2095 Jul	223.1931763	0.136194438	0.17525202	0.004375096	31.4783535	0.051929925	92.95831299	0.001750475	0.000910108	5.75435E-06	0.009620707	0.005601143	0.153392687	0.031990536	8.1696E-06	38.00821686	4.15334E-05	0.000973935	0.000417188	0.001889502
2095 Aug	223.1491699	0.135905653	0.174649283	0.004362951	31.48459244	0.051975735	92.96866608	0.001747439	0.000910193	5.75123E-06	0.009616806	0.005588148	0.153083488	0.031966928	8.15943E-06	38.0157814	4.15098E-05	0.000971623	0.000417317	0.001890596
2095 Sep	223.0832672	0.135736272	0.174222335	0.004354618	31.48792648	0.052010324	92.94208527	0.001745688	0.000910674	5.751E-06	0.009616249	0.005579062	0.152843609	0.031959418	8.15396E-06	38.0222702	4.14908E-05	0.000970069	0.000417464	0.001891275
2095 Oct	223.0403748	0.135651171	0.174018249	0.004350455	31.48636627	0.052019969	92.93040466	0.001744615	0.000910649	5.74965E-06	0.009614761	0.005574467	0.152729496	0.031949449	8.15015E-06	38.02031708	4.14797E-05	0.000969263	0.000417452	0.001891401
2095 Nov	222.559906	0.135365814	0.173439041	0.004337867	31.4316349	0.05195345	92.70461273	0.001740992	0.000909948	5.74219E-06	0.009601383	0.005559072	0.152277812	0.031901851	8.13477E-06	37.95925522	4.13953E-05	0.000966657	0.000416905	0.001888502
2095 Dec	222.5014343	0.135334685	0.173367858	0.004336359	31.42535019	0.051946547	92.67562866	0.001740596	0.000909914	5.74152E-06	0.009600087	0.005557223	0.152221546	0.031897217	8.13312E-06	37.9525032	4.13855E-05	0.000966348	0.00041685	0.001888179
2096 Jan	222.5030365	0.135336295	0.173368439	0.004336384	31.4256916	0.051947191	92.67591095	0.001740616	0.000909933	5.74162E-06	0.009600229	0.005557259	0.152222008	0.031897768	8.13322E-06	37.95298386	4.13858E-05	0.000966355	0.000416858	0.001888201
2096 Feb	222.512207	0.135342151	0.173375189	0.004336558	31.42705917	0.051949427	92.67950439	0.001740692	0.000909976	5.74188E-06	0.009600656	0.005557485	0.152227893	0.031899296	8.13358E-06	37.95468903	4.13876E-05	0.000966395	0.000416878	0.001888284
2096 Mar	222.5318756	0.135354266	0.173390299	0.004336939	31.42987633	0.051954072	92.68756866	0.001740847	0.00091006	5.74241E-06	0.009601521	0.005557974	0.152241126	0.031902228	8.13431E-06	37.95811462	4.13912E-05	0.000966481	0.000416917	0.001888453
2096 Apr	222.6288147	0.135413334	0.173465729	0.004338827	31.44358826	0.051976737	92.72787476	0.001741607	0.000910459	5.74492E-06	0.009605714	0.005560395	0.152307346	0.031916194	8.13786E-06	37.9746933	4.14093E-05	0.000966902	0.000417099	0.001889278
2096 May	223.5119781	0.135690942	0.173568711	0.004342719	31.49347687	0.052079003	93.04499817	0.001746669	0.000913398	5.76624E-06	0.00964036	0.005579885	0.15293853	0.032044478	8.16286E-06	38.12531281	4.15528E-05	0.000969897	0.000419202	0.00189724
2096 Jun	230.7464447	0.136435866	0.173661768	0.004346387	31.57818985	0.052394602	96.26000214	0.00178715	0.000922263	5.87469E-06	0.009863851	0.005783611	0.1595283	0.032897945	8.33864E-06	39.21870422	4.27766E-05	0.00100191	0.000432636	0.001950968
2096 Jul	232.1013031	0.136655435	0.174153343	0.004357927	31.66246414	0.052563317	96.99984741	0.001797109	0.000923943	5.89257E-06	0.009907657	0.005827326	0.16080305	0.033036731	8.3791E-06	39.41740417	4.3043E-05	0.001009379	0.000434219	0.001959905
2096 Aug	233.1226501	0.137178168	0.174758792	0.004373987	31.80616379	0.052812789	97.43505096	0.001804285	0.000928154	5.91822E-06	0.00995108	0.005849422	0.161427423	0.033176292	8.41377E-06	39.59492874	4.32294E-05	0.001013199	0.000436175	0.001968951
2096 Sep	232.6608734	0.136726841	0.173913375	0.004356008	31.7603569	0.052775666	97.25352478	0.001798882	0.000927231	5.9079E-06	0.009935074	0.005827165	0.160840869	0.033102829	8.39238E-06	39.53492355	4.31415E-05	0.001009362	0.000435541	0.001966643
2096 Oct	231.7637177	0.136033654	0.172613069	0.004327706	31.61224365	0.052631792	96.89379883	0.001792277	0.000925086	5.89098E-06	0.00991085	0.005801267	0.160143346	0.03297022	8.36275E-06	39.3947258	4.29936E-05	0.001004757	0.000433685	0.001960535
2096 Nov	231.8686066	0.136037663	0.172551095	0.004326679	31.5958786	0.052645314	96.96297455	0.001793672	0.000925234	5.89326E-06	0.009917902	0.005807101	0.160324693	0.032971513	8.3678E-06	39.40261459	4.30196E-05	0.001005639	0.000433485	0.001961134
2096 Dec	231.8707123	0.136039659	0.172552034	0.004326717	31.59627724	0.052646175	96.96347809	0.001793698	0.000925257	5.89338E-06	0.009918088	0.00580715	0.160325572	0.032972094	8.36793E-06	39.4031601	4.30201E-05	0.001005649	0.000433492	0.001961161
2097 Jan	231.870224	0.136039764	0.172551289	0.004326705	31.59627724	0.052646238	96.96305084	0.0017937	0.000925263	5.89341E-06	0.009918116	0.005807135	0.160324857	0.032972209	8.36794E-06	39.40319824	4.30201E-05	0.001005647	0.000433494	0.001961162
2097 Feb	231.8701477	0.136039883	0.172551006	0.004326702	31.59630966	0.052646287	96.96287537	0.001793702	0.000925267	5.89342E-06	0.009918134	0.005807132	0.160324559	0.032972317	8.36795E-06	39.40325928	4.30201E-05	0.001005647	0.000433495	0.001961164
2097 Mar	231.8887177	0.136050895	0.172564715	0.004327048	31.59886551	0.052650537	96.9705658	0.001793847	0.000925343	5.89391E-06	0.00991894	0.005807596	0.160337284	0.032975029	8.36863E-06	39.40645981	4.30236E-05	0.001005727	0.000433531	0.001961323
2097 Apr	232.0196686	0.13612777	0.172662094	0.00432949	31.61672211	0.052680295	97.02528381	0.00179486	0.000925867	5.89724E-06	0.009924548	0.005810875	0.160427764	0.032993689	8.37336E-06	39.42873764	4.30479E-05	0.001006295	0.000433776	0.001962431
2097 May	232.163269	0.136209056	0.172594041	0.00432928	31.63799667	0.052729506	97.05527496	0.001796819	0.00092762	5.90614E-06	0.00993875	0.005814473	0.160474613	0.033047851	8.38273E-06	39.47650528	4.30879E-05	0.001007048	0.000434495	0.00196449
2097 Jun	232.3599548	0.135951817	0.171716511	0.004310818	31.54682732	0.052685481	97.23391724	0.001805253	0.0009288	5.91491E-06	0.009972162	0.005847049	0.161080927	0.033202395	8.40896E-06	39.58441925	4.32185E-05	0.00101336	0.000435493	0.001965666
2097 Jul	233.4114838	0.136479855	0.172301009	0.004326698	31.69199753	0.052944068	97.68611908	0.001813264	0.000933374	5.94247E-06	0.010019646	0.005871494	0.161743894	0.033356085	8.44682E-06	39.77303314	4.34197E-05	0.001017645	0.000437558	0.001975046
2097 Aug	234.0766907	0.136743933	0.172539175	0.004334071	31.78905678	0.053123396	97.98065186	0.001817163	0.000936164	5.95848E-06	0.010047297	0.00588249	0.162073269	0.033439685	8.46692E-06	39.89152527	4.35373E-05	0.001019519	0.000438853	0.00198133
2097 Sep	234.3994446	0.136828423	0.172561049	0.004335691	31.83787727	0.053218476	98.13378906	0.001818424	0.000937395	5.96508E-06	0.010059719	0.005885564	0.162187651	0.033472195	8.47442E-06	39.94893646	4.35912E-05	0.001020024	0.000439453	0.00198453
2097 Oct	233.9639435	0.136518449	0.17197454	0.004322961	31.79136276	0.053165257	97.94541168	0.001814408	0.000936528	5.95659E-06	0.010045765	0.005869127	0.161733672	0.033414967	8.45781E-06	39.8897171	4.35124E-05	0.001017208	0.000438854	0.001981942
2097 Nov	233.6821594	0.136335105	0.171638682	0.004315569	31.75987625	0.053125754	97.82164001	0.001812011	0.000935926	5.95116E-06	0.010036657	0.005859469	0.161463261	0.033379275	8.44767E-06	39.85013962	4.3462E-05	0.001015556	0.00043845	0.001980143
2097 Dec	233.6308289	0.136300012	0.171577349	0.004314201	31.75396538	0.053118102	97.79990387	0.001811549	0.00093579	5.95005E-06	0.010034829	0.005857687	0.161414474	0.033372138	8.44571E-06	39.8425827	4.34525E-05	0.001015249	0.00043837	0.001979802
2098 Jan	233.6313324	0.136300951	0.171577081	0.004314207	31.75415421	0.053118505	97.79971313	0.001811562	0.000935805	5.95012E-06	0.010034932	0.005857695	0.161414161	0.033372533	8.44577E-06	39.84288025	4.34527E-05	0.001015252	0.000438375	0.001979815
2098 Feb	233.6333923	0.136302456	0.171578228	0.004314241	31.75450897	0.053119075	97.80033875	0.001811582	0.00093582	5.9502E-06	0.010035056	0.005857744	0.16141519	0.033373043	8.44587E-06	39.84336853	4.34532E-05	0.001015261	0.000438382	0.001979837
2098 Mar	233.6453094	0.136309549	0.171586782	0.004314458	31.75617027	0.053121839	97.80519104	0.001811676	0.000935871	5.95052E-06	0.010035586	0.005858041	0.161423206	0.033374857	8.44631E-06	39.84547424	4.34554E-05	0.001015313	0.000438406	0.00197994
2098 Apr	233.698288	0.1363426	0.171616435	0.004315295	31.764534	0.053135522	97.82427979	0.001812114	0.000936171	5.95223E-06	0.010038293	0.005859232	0.161451876	0.033385277	8.44842E-06	39.85654068	4.34656E-05	0.001015531	0.000438552	0.001980464
2098 May	233.4901123	0.136229575	0.17088607	0.004301351	31.74873734	0.053100675	97.59622955	0.001814676	0.000939629	5.96626E-06	0.010056607	0.005859297	0.161148831	0.033541612	8.45876E-06	39.9382782	4.34774E-05	0.001016303	0.000440708	0.001981658
2098 Jun	232.6947021	0.135542542	0.169435382	0.004266197	31.64923859	0.052773934	97.34611511	0.001828757	0.000939845	5.95967E-06	0.010064828	0.005910758	0.16120556	0.034016669	8.48841E-06	40.14967346	4.35359E-05	0.001028877	0.00044517	0.001974495
2098 Jul	233.7886505	0.136131778	0.170178577	0.004285168	31.80974388	0.0530346	97.833992	0.001838251	0.000944386	5.98731E-06	0.010113534	0.005941151	0.161959946	0.034198791	8.53068E-06	40.35602188	4.37536E-05	0.001034406	0.000447449	0.001983741
2098 Aug	233.9436646	0.135996789	0.169816494	0.004278681	31.84667969	0.053119686	97.91730499	0.001837091	0.000945381	5.99006E-06	0.010118613	0.005934115	0.161804602	0.034208905	8.52903E-06	40.39785004	4.37699E-05	0.001033184	0.000447998	0.001986362
2098 Sep	233.0999451	0.135274529	0.168626949	0.00425206	31.73531914	0.053001836	97.6213913	0.001830507	0.00094265	5.96901E-06	0.010086867	0.005909698	0.161086887	0.034095891	8.49805E-06	40.28120041	4.36141E-05	0.001029069	0.000446465	0.001980215
2098 Oct	233.0460052	0.135045305	0.168425173	0.004244752	31.62066269	0.052964348	97.89556122	0.001835896	0.000938215	5.9504E-06	0.01007973	0.005941669	0.161821425	0.034052685	8.50444E-06	40.24281693	4.36255E-05	0.001034581	0.000444073	0.00197529
2098 Nov	233.033432	0.134962097	0.168407515	0.004242559	31.5634346	0.052939899	98.04650116	0.001838079	0.000935503	5.93908E-06	0.010073567	0.005957176	0.162213653	0.034013662	8.50554E-06	40.21285248	4.36274E-05	0.001037149	0.000442678	0.001972658
2098 Dec	233.0403595	0.134967193	0.168410838	0.004242669	31.56459427	0.052942161	98.04880524	0.001838147	0.000935554	5.93937E-06	0.010074015	0.00595733	0.162217095	0.034015138	8.50587E-06	40.21438599	4.36288E-05	0.001037178	0.000442697	0.001972733
2099 Jan	233.0426331	0.134968996	0.16841203	0.004242708	31.56498909	0.052942876	98.04947662	0.00183817	0.000935572	5.93946E-06	0.010074167	0.005957385	0.162218198	0.0340157	8.50598E-06	40.21493149	4.36293E-05	0.001037188	0.000442704	0.001972759
2099 Feb	233.0465546	0.134971499	0.168414623	0.004242777	31.56557274	0.052943844	98.05096436	0.001838204	0.000935593	5.93958E-06	0.01007436	0.005957483	0.162220657	0.034016423	8.50614E-06	40.21570587	4.36301E-05	0.001037206	0.000442714	0.001972795
2099 Mar	233.0898438	0.134996697	0.168445766	0.004243563	31.57146645	0.052953716	98.06907654	0.001838546	0.000935769	5.9407E-06	0.010076243	0.005958588	0.162250623	0.034022823	8.50773E-06	40.22322464	4.36382E-05	0.001037398	0.000442797	0.001973164
2099 Apr	233.2424469	0.135089248	0.168538854	0.004246061	31.59423828	0.052991189	98.12800598	0.001839783	0.000936521	5.94514E-06	0.0100835	0.005962237	0.162342623	0.034050178	8.51358E-06	40.25323486	4.3667E-05	0.001038054	0.000443171	0.001974586
2099 May	231.1201477	0.134218171	0.166934654	0.004203713	31.39419174	0.05252545	97.29380035	0.001834581	0.000928772	5.89162E-06	0.010002716	0.005950388	0.161129817	0.034105845	8.46523E-06	40.10940552	4.33134E-05	0.001038085	0.000442748	0.001956295
2099 Jun	229.1611328	0.133183703	0.165895283	0.004171788	31.22241592	0.052078705	96.7447052	0.001827985	0.000917559	5.82168E-06	0.009903605	0.005941303	0.160170406	0.034029361	8.40878E-06	39.90378189	4.29837E-05	0.00103836	0.000440407	0.001936121
2099 Jul	230.0587921	0.133628234	0.166380271	0.004184889	31.35813713	0.05230476	97.13719177	0.001834726	0.000921363	5.84406E-06	0.009942312	0.0059619	0.160699233	0.034171585	8.44024E-06	40.07458496	4.31521E-05	0.001042064	0.000442366	0.001944197
2099 Aug	230.9317169	0.133988485	0.166683331	0.004194244	31.48873901	0.052537102	97.51651001	0.001839878	0.000925036	5.86501E-06	0.009978255	0.005976601	0.161122128	0.034292296	8.46659E-06	40.23706818	4.33041E-05	0.001044636	0.000444237	0.001952485
2099 Sep	230.2729034	0.133456379	0.165699705	0.004172793	31.42404175	0.052457578	97.2257843	0.001832654	0.00092356	5.85065E-06	0.009953003	0.005947945	0.160353616	0.03420325	8.43759E-06	40.15123749	4.31698E-05	0.00103971	0.000443512	0.001948819
2099 Oct	229.8294525	0.13309826	0.165032789	0.004157657	31.35705757	0.052385449	97.06517029	0.001828909	0.0009218	5.83846E-06	0.009934951	0.005935097	0.159990862	0.034139767	8.41957E-06	40.08691406	4.30791E-05	0.001037421	0.000442679	0.001945588
2099 Nov	229.9849854	0.133064643	0.165017202	0.004156239	31.33054733	0.052382559	97.22568512	0.001831057	0.000920308	5.83368E-06	0.009934012	0.005948474	0.160350278	0.034137029	8.42321E-06	40.09641266	4.30968E-05	0.001039539	0.000442209	0.001945285
2099 Dec	229.9977722	0.133072197	0.165025741	0.004156451	31.33195305	0.052385356	97.23149872	0.00183118	0.000920352	5.83399E-06	0.009934585	0.005948903	0.16036129	0.03413903	8.42372E-06	40.0986557	4.30992E-05	0.001039613	0.00044223	0.001945385
2100 Jan	229.9999542	0.133073404	0.165026993	0.004156478	31.33205605	0.052385706	97.23267365	0.001831207	0.000920356	5.83403E-06	0.009934673	0.005949012	0.160363972	0.034139402	8.42381E-06	40.09904099	4.30996E-05	0.001039632	0.000442233	0.001945398
2100 Feb	230.0035858	0.133075148	0.165029451	0.004156532	31.33231735	0.052386258	97.23457336	0.001831242	0.00092036	5.83408E-06	0.009934794	0.00594916	0.160367846	0.03413989	8.42394E-06	40.09960938	4.31003E-05	0.001039657	0.000442237	0.00194542
2100 Mar	230.0126038	0.133080438	0.165035814	0.004156692	31.33353996	0.052388303	97.23838043	0.001831315	0.000920396	5.83431E-06	0.009935188	0.0059494	0.160374194	0.034141287	8.42428E-06	40.10121536	4.3102E-05	0.001039699	0.000442255	0.001945497
2100 Apr	230.1568756	0.133163959	0.165139243	0.004159298	31.35320473	0.052421179	97.29930878	0.001832464	0.000920975	5.83798E-06	0.009941425	0.00595313	0.160474673	0.034162745	8.42956E-06	40.12639618	4.3129E-05	0.001040351	0.000442533	0.001946718
2100 May	230.035614	0.133043811	0.164620668	0.004147775	31.31993484	0.052359879	97.19992828	0.001834344	0.000921592	5.84015E-06	0.009944985	0.005958795	0.160411268	0.034262724	8.43292E-06	40.17900467	4.312E-05	0.001041724	0.000443803	0.001946509
2100 Jun	228.276123	0.13137877	0.163045764	0.004099574	31.00484848	0.051667787	96.91755676	0.001833646	0.000906093	5.75543E-06	0.009836265	0.005986441	0.160254911	0.034257639	8.3821E-06	40.02404785	4.28542E-05	0.001048352	0.000441858	0.001923421
2100 Jul	228.1725922	0.131080732	0.162884027	0.004094714	31.00138283	0.051645733	97.02073669	0.001833574	0.000903916	5.74237E-06	0.009822756	0.005989558	0.160246775	0.0342324	8.37577E-06	40.01250458	4.2848E-05	0.001049181	0.000441275	0.001921151
2100 Aug	228.0218506	0.130671203	0.162384987	0.004083582	30.97830582	0.051644102	97.05417633	0.001831125	0.000902434	5.73204E-06	0.009809097	0.00598187	0.160053074	0.034177035	8.36374E-06	39.98612595	4.28094E-05	0.001047801	0.000440618	0.001919797
2100 Sep	227.9460449	0.130379766	0.162170321	0.004078047	30.94757462	0.051632538	97.14167786	0.001831059	0.000900652	5.7225E-06	0.009798408	0.005984783	0.160116524	0.034133181	8.35892E-06	39.96160889	4.27924E-05	0.001048268	0.000439724	0.001917891
2100 Oct	228.0496368	0.130305395	0.16212143	0.004076707	30.94310379	0.051648106	97.24438477	0.00183151	0.000900004	5.71996E-06	0.009797782	0.005988597	0.160245523	0.03412072	8.35928E-06	39.96717072	4.28059E-05	0.00104882	0.000439466	0.00191811
2100 Nov	228.1277924	0.130310118	0.162160277	0.004077458	30.94483185	0.051658478	97.29941559	0.001832173	0.000899871	5.72E-06	0.009799214	0.005991928	0.16034244	0.034122635	8.36136E-06	39.97499466	4.28191E-05	0.001049356	0.000439423	0.001918411
2100 Dec	228.1451111	0.130320519	0.16217187	0.004077761	30.94729614	0.051662706	97.30644989	0.001832319	0.000899952	5.72049E-06	0.00980003	0.005992373	0.160353944	0.034125492	8.36203E-06	39.97821426	4.28225E-05	0.001049435	0.00043946	0.001918566
2101 Jan	228.1483459	0.13032268	0.162173823	0.004077817	30.94780159	0.051663566	97.30760193	0.001832349	0.000899971	5.7206E-06	0.009800207	0.005992454	0.160355836	0.034126159	8.36217E-06	39.97889709	4.28231E-05	0.00104945	0.000439469	0.001918597
2101 Feb	228.1493835	0.13032341	0.162174374	0.004077833	30.9479847	0.05166385	97.30791473	0.001832359	0.000899979	5.72064E-06	0.009800267	0.00599248	0.160356343	0.034126431	8.36222E-06	39.97915649	4.28233E-05	0.001049455	0.000439472	0.001918609
2101 Mar	228.1562958	0.130327448	0.162179187	0.004077956	30.94894409	0.05166544	97.31079102	0.001832415	0.000900008	5.72082E-06	0.009800573	0.00599266	0.160361066	0.03412753	8.36248E-06	39.98040771	4.28246E-05	0.001049486	0.000439487	0.001918668
2101 Apr	228.2409058	0.130375639	0.162238643	0.004079455	30.96047592	0.051684666	97.3467865	0.001833093	0.000900344	5.72295E-06	0.009804213	0.005994867	0.16042003	0.034140266	8.36558E-06	39.99531174	4.28405E-05	0.001049873	0.000439652	0.001919383
2101 May	227.8759766	0.130001828	0.161743671	0.004067659	30.88760376	0.05156672	97.20476532	0.001833827	0.000899469	5.71698E-06	0.009793472	0.005997562	0.160298005	0.034165725	8.36182E-06	39.97909546	4.27938E-05	0.001050658	0.000439693	0.001915961

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2101 Jun	226.5080872	0.128539354	0.160696	0.00403644	30.64232826	0.051095292	96.97401428	0.001832205	0.000889147	5.6598E-06	0.009712975	0.006008145	0.160074413	0.034062877	8.32423E-06	39.79994965	4.25911E-05	0.001053426	0.000436957	0.001898464
2101 Jul	227.5779114	0.129049391	0.161391839	0.004053863	30.7874279	0.051335104	97.47279358	0.001840971	0.000892875	5.68368E-06	0.009756066	0.006037704	0.160839677	0.034220431	8.36249E-06	39.99034119	4.27951E-05	0.001058673	0.000438937	0.00190709
2101 Aug	228.6219177	0.129542887	0.161958039	0.004068848	30.93263817	0.05158418	97.93434906	0.001848149	0.000896808	5.70785E-06	0.009798305	0.006060725	0.1614815	0.034363713	8.39654E-06	40.17427063	4.29835E-05	0.00106268	0.000440955	0.001916191
2101 Sep	228.157547	0.129131243	0.161166832	0.004052101	30.89309311	0.051544119	97.71937561	0.001842544	0.000896201	5.69915E-06	0.009781912	0.006037165	0.160860851	0.034300007	8.3753E-06	40.11793518	4.28882E-05	0.001058631	0.000440552	0.001914092
2101 Oct	227.8920441	0.128933772	0.160758898	0.004043452	30.86927986	0.051518984	97.5941391	0.001839646	0.00089587	5.69455E-06	0.009773613	0.006024877	0.160531819	0.034265719	8.36416E-06	40.08475876	4.28369E-05	0.00105652	0.000440294	0.001912822
2101 Nov	227.2054901	0.128535226	0.160021424	0.004027179	30.79464149	0.051415998	97.26826477	0.001833797	0.00089459	5.68262E-06	0.009751568	0.00600111	0.1598728	0.034183323	8.34005E-06	39.9875946	4.27112E-05	0.001052448	0.000439412	0.001908488
2101 Dec	227.1049957	0.128491625	0.159922048	0.004025077	30.78461647	0.051403072	97.21516418	0.001833141	0.00089456	5.68169E-06	0.009749384	0.005997967	0.15977782	0.034175605	8.3374E-06	39.97540283	4.26944E-05	0.001051924	0.000439323	0.001907916
2102 Jan	227.1034851	0.128491387	0.159920394	0.004025047	30.78453827	0.051402979	97.21411133	0.001833136	0.000894567	5.68171E-06	0.009749389	0.005997921	0.159776092	0.034175713	8.33738E-06	39.97535324	4.26941E-05	0.001051917	0.000439324	0.001907912
2102 Feb	227.1059418	0.128493056	0.15992178	0.004025087	30.78494644	0.051403619	97.21491241	0.001833159	0.000894582	5.6818E-06	0.009749525	0.005997982	0.159777388	0.03417629	8.33749E-06	39.97592163	4.26946E-05	0.001051928	0.000439332	0.001907937
2102 Mar	227.11763	0.128499836	0.159929827	0.004025291	30.78656769	0.051406305	97.21977997	0.001833255	0.000894632	5.6821E-06	0.009750042	0.005998289	0.15978539	0.03417816	8.33793E-06	39.97805023	4.26968E-05	0.001051983	0.000439357	0.001908038
2102 Apr	227.1813507	0.128535956	0.15997459	0.004026419	30.79522896	0.051420756	97.24697876	0.001833771	0.000894884	5.68371E-06	0.009752787	0.00599997	0.159830078	0.034187816	8.34028E-06	39.9893074	4.27088E-05	0.001052278	0.000439481	0.001908574
2102 May	227.4913788	0.128710106	0.160190612	0.004031865	30.83730698	0.051491056	97.37989807	0.001836255	0.000896102	5.69143E-06	0.009766058	0.006008096	0.16004692	0.034234285	8.35159E-06	40.04388809	4.2767E-05	0.001053703	0.000440081	0.001911183
2102 Jun	226.8804169	0.126931265	0.15853554	0.003998883	30.42674637	0.051195774	97.41133118	0.001842019	0.000894839	5.69152E-06	0.009783128	0.006021945	0.160623893	0.033917896	8.35926E-06	39.79095459	4.28565E-05	0.001054661	0.000433922	0.00190166
2102 Jul	226.937973	0.126007184	0.158102512	0.003991241	30.23783493	0.051124498	97.76085663	0.001849788	0.000893822	5.6927E-06	0.009803858	0.006048255	0.161453664	0.033732165	8.37878E-06	39.67840576	4.3006E-05	0.001058407	0.000429756	0.001897436
2102 Aug	227.4768219	0.126160339	0.158197939	0.003995522	30.31760788	0.051284209	98.00640869	0.00185274	0.000896344	5.70639E-06	0.009827526	0.006055243	0.16167748	0.033793699	8.39479E-06	39.77521515	4.31038E-05	0.001059595	0.000430757	0.001902751
2102 Sep	227.4520721	0.126028433	0.157902256	0.003990127	30.32407379	0.051323015	98.00131989	0.001851361	0.000896914	5.70725E-06	0.009828992	0.006047418	0.161496967	0.033776764	8.39122E-06	39.7764473	4.30982E-05	0.001058217	0.000430734	0.001903482
2102 Oct	226.52034	0.125316486	0.156890109	0.003967903	30.1850071	0.05118924	97.66407776	0.001844337	0.000894233	5.6876E-06	0.009799045	0.006019574	0.160791546	0.033591162	8.35958E-06	39.60006714	4.29452E-05	0.001053157	0.000428096	0.001896241
2102 Nov	226.5375671	0.125319913	0.156888008	0.003968065	30.18552017	0.051198453	97.67515564	0.001844685	0.000894416	5.68862E-06	0.009801014	0.006020328	0.160810709	0.033591717	8.36099E-06	39.60221481	4.29514E-05	0.001053277	0.000428058	0.001896401
2102 Dec	226.546936	0.125325665	0.156894028	0.00396823	30.18685532	0.051200915	97.67887115	0.001844771	0.000894467	5.68892E-06	0.009801508	0.006020572	0.160816893	0.033593323	8.36139E-06	39.60399628	4.29533E-05	0.00105332	0.000428078	0.001896487
2103 Jan	226.5484772	0.125326797	0.156894803	0.003968257	30.18711472	0.051201414	97.67932892	0.001844788	0.00089448	5.68899E-06	0.009801619	0.00602061	0.160817668	0.033593692	8.36148E-06	39.60435486	4.29536E-05	0.001053328	0.000428083	0.001896504
2103 Feb	226.555603	0.125330865	0.156899586	0.00396838	30.18810081	0.051203087	97.68228912	0.001844849	0.000894512	5.68918E-06	0.009801948	0.006020798	0.160822541	0.033594847	8.36175E-06	39.6056633	4.2955E-05	0.001053361	0.000428098	0.001896566
2103 Mar	226.5725861	0.125340328	0.156911254	0.003968677	30.1903801	0.051206954	97.68954468	0.001844988	0.000894581	5.68962E-06	0.009802693	0.006021248	0.160834476	0.033597413	8.36239E-06	39.60866547	4.29582E-05	0.00105344	0.000428131	0.00189671
2103 Apr	226.6618347	0.125389755	0.156973004	0.00397024	30.20228386	0.051227141	97.7279892	0.001845716	0.000894934	5.69187E-06	0.00980656	0.006023619	0.160897776	0.033610679	8.36568E-06	39.62429047	4.29752E-05	0.001053855	0.0004283	0.001897458
2103 May	226.8432159	0.125228792	0.156685382	0.003965428	30.15182495	0.051209804	97.79457855	0.00184952	0.000896583	5.70332E-06	0.009825844	0.00603428	0.161180794	0.033639263	8.37941E-06	39.65335846	4.30423E-05	0.001055428	0.000428473	0.001898921
2103 Jun	225.6825867	0.123309307	0.155018046	0.003923101	29.73865128	0.050620403	97.67699432	0.001851449	0.000887276	5.65908E-06	0.009774364	0.006054407	0.161478609	0.033425704	8.35285E-06	39.41453171	4.29542E-05	0.001058456	0.000424004	0.00188213
2103 Jul	225.804306	0.123076066	0.154990911	0.003922135	29.74189186	0.050640579	97.88108826	0.001853794	0.000886223	5.65385E-06	0.009773575	0.00606456	0.161691144	0.033411749	8.35685E-06	39.42599106	4.29993E-05	0.001060279	0.000423451	0.0018816
2103 Aug	225.5446014	0.122654527	0.154414386	0.003910865	29.71416855	0.050654791	97.80691528	0.001851785	0.00088653	5.65152E-06	0.009767144	0.006052578	0.161345541	0.033366159	8.34891E-06	39.39364624	4.29574E-05	0.00105809	0.000422918	0.001880687
2103 Sep	225.6509857	0.122365937	0.154162318	0.003905015	29.67469978	0.050686322	98.00857544	0.001852779	0.000884927	5.64459E-06	0.009763705	0.006059984	0.161588639	0.033310663	8.34837E-06	39.37917709	4.29708E-05	0.00105893	0.000421779	0.00188027
2103 Oct	225.4787598	0.121835798	0.153900802	0.003895799	29.49991608	0.050624643	98.32918549	0.00185603	0.000878347	5.61638E-06	0.009740155	0.006086405	0.162316769	0.033131681	8.3428E-06	39.25131989	4.29373E-05	0.00106242	0.000417552	0.001873552
2103 Nov	225.3033295	0.121688411	0.153784618	0.003892173	29.4420681	0.050595444	98.36222839	0.001856196	0.000876191	5.60613E-06	0.009729959	0.006090791	0.162429571	0.033065259	8.33776E-06	39.19475174	4.29049E-05	0.001062892	0.000416089	0.001870722
2103 Dec	225.3070831	0.121691212	0.153786287	0.003892234	29.44269753	0.050596792	98.36341858	0.001856238	0.000876224	5.60631E-06	0.009730235	0.00609088	0.162431434	0.033066109	8.33796E-06	39.19561005	4.29058E-05	0.001062908	0.000416099	0.001870765
2104 Jan	225.3064423	0.121691294	0.153785497	0.003892222	29.4426918	0.050596852	98.36288452	0.001856238	0.00087623	5.60633E-06	0.009730261	0.006090859	0.162430555	0.033066209	8.33797E-06	39.19562531	4.29057E-05	0.001062905	0.000416101	0.001870766
2104 Feb	225.3084106	0.121692553	0.153786629	0.003892254	29.44299698	0.050597373	98.36358643	0.001856257	0.000876243	5.6064E-06	0.009730369	0.00609091	0.162431717	0.03306663	8.33805E-06	39.19605255	4.29061E-05	0.001062915	0.000416106	0.001870785
2104 Mar	225.3263092	0.121702321	0.153798744	0.003892563	29.445364	0.050601438	98.371315	0.001856406	0.000876315	5.60686E-06	0.009731155	0.006091392	0.162444487	0.033069324	8.33872E-06	39.19921112	4.29095E-05	0.001062999	0.00041614	0.001870936
2104 Apr	225.4667664	0.12177825	0.153894544	0.003894988	29.46372986	0.050632998	98.43258667	0.001857564	0.000876862	5.61036E-06	0.009737228	0.006095188	0.162545666	0.033089977	8.34393E-06	39.22366714	4.29363E-05	0.001063662	0.0004164	0.001872103
2104 May	224.7438202	0.121439151	0.153149933	0.003878566	29.37299919	0.050508972	98.08604431	0.001856438	0.000876431	5.60376E-06	0.00972339	0.006086476	0.162056103	0.033093188	8.33292E-06	39.16577911	4.28296E-05	0.001062389	0.00041611	0.00186742
2104 Jun	222.1435242	0.119896024	0.151453212	0.003831126	29.05550003	0.049896713	97.29734039	0.001845695	0.000862309	5.51842E-06	0.00959758	0.006063145	0.160748422	0.032870021	8.25246E-06	38.8175621	4.23764E-05	0.00105921	0.00041176	0.001842042
2104 Jul	222.634964	0.120044932	0.151628464	0.003836278	29.13422966	0.050033487	97.55925751	0.001849422	0.000864014	5.52795E-06	0.009616631	0.006074734	0.161022186	0.0329412	8.26842E-06	38.91382599	4.24712E-05	0.001061321	0.000412704	0.001846325
2104 Aug	223.0448608	0.120115332	0.151579186	0.003837113	29.20144844	0.050169125	97.74479675	0.001850914	0.000866044	5.53807E-06	0.009633685	0.006076794	0.161110848	0.032988466	8.27833E-06	38.99355316	4.25387E-05	0.001061648	0.000413615	0.001850833
2104 Sep	222.6336823	0.119725823	0.150898933	0.003822444	29.15641022	0.050135545	97.58740997	0.001846209	0.000864964	5.52815E-06	0.009616823	0.006058187	0.160631359	0.032915644	8.25925E-06	38.93296814	4.24499E-05	0.001058346	0.000412884	0.001848514
2104 Oct	222.5370941	0.119518608	0.150645196	0.003815271	29.08240318	0.050114483	97.71400452	0.001847837	0.000862087	5.51523E-06	0.009606667	0.006070382	0.16091238	0.032850977	8.25641E-06	38.89493942	4.24253E-05	0.001060125	0.000411341	0.001845661
2104 Nov	222.5693207	0.119504526	0.150626212	0.003814261	29.06081581	0.050118789	97.79315186	0.001849122	0.000861147	5.51172E-06	0.009606013	0.006077701	0.161092117	0.032850977	8.25809E-06	38.89055252	4.24302E-05	0.001061268	0.000410833	0.001845026
2104 Dec	222.5761871	0.119508937	0.15063034	0.003814378	29.06182671	0.050120693	97.79579163	0.001849188	0.000861187	5.51195E-06	0.009606395	0.006077882	0.161096498	0.032852259	8.25839E-06	38.89192581	4.24316E-05	0.001061301	0.000410849	0.001845092
2105 Jan	222.5752411	0.119508803	0.150629386	0.003814361	29.0617733	0.050120644	97.79515076	0.001849185	0.000861191	5.51196E-06	0.009606398	0.006077853	0.161095455	0.032852296	8.25838E-06	38.89187241	4.24315E-05	0.001061296	0.000410849	0.001845089
2105 Feb	222.5778046	0.11951036	0.150630966	0.003814403	29.06215286	0.050121285	97.79614258	0.001849208	0.000861204	5.51204E-06	0.009606528	0.006077921	0.16109708	0.032852791	8.25849E-06	38.89239883	4.2432E-05	0.001061309	0.000410856	0.001845113
2105 Mar	222.5838013	0.119513676	0.150634915	0.003814505	29.06295586	0.050122667	97.79870605	0.001849259	0.00086123	5.5122E-06	0.009606796	0.006078083	0.161101282	0.032853734	8.25872E-06	38.89348221	4.24332E-05	0.001061337	0.000410868	0.001845164
2105 Apr	222.6598358	0.119554549	0.150686324	0.003815808	29.07289696	0.050139807	97.8320694	0.001849891	0.000861525	5.51408E-06	0.009610083	0.006080158	0.161156252	0.032864992	8.26154E-06	38.90679169	4.24477E-05	0.0010617	0.000411009	0.001845795
2105 May	222.4346008	0.119436651	0.15023236	0.003805819	29.03428078	0.050092097	97.71066284	0.001850809	0.000861739	5.51371E-06	0.009609547	0.006081569	0.161016792	0.032915656	8.26104E-06	38.92163467	4.24176E-05	0.001062151	0.000411523	0.001844715
2105 Jun	222.2479401	0.1191893	0.149684668	0.003791405	28.97958946	0.049991269	97.72046661	0.001853064	0.000859402	5.50131E-06	0.009597701	0.006095001	0.161084965	0.032989684	8.25774E-06	38.95809555	4.23883E-05	0.001064825	0.000412112	0.001842261
2105 Jul	222.9221954	0.119417049	0.149850115	0.003797395	29.07976341	0.050178479	98.02194977	0.001856965	0.000862371	5.5178E-06	0.00962613	0.00610543	0.161387771	0.033079211	8.27795E-06	39.08395767	4.25085E-05	0.001066616	0.000413529	0.001848852
2105 Aug	223.0532074	0.119119667	0.149326667	0.003786611	29.08370972	0.050244793	98.1477356	0.001855567	0.00086214	5.51504E-06	0.009623198	0.006100824	0.16130887	0.033067204	8.27263E-06	39.1120529	4.25019E-05	0.001065561	0.000413665	0.001850707
2105 Sep	224.2841949	0.119086906	0.149509385	0.003787983	29.0664196	0.050387181	99.01521301	0.001866206	0.000859198	5.51222E-06	0.009639167	0.006157839	0.162886083	0.033141013	8.30228E-06	39.26714325	4.26655E-05	0.001074557	0.000413578	0.001855806
2105 Oct	224.8954315	0.118968666	0.149431556	0.003783059	28.98170853	0.050399661	99.55099487	0.001870143	0.000854366	5.4972E-06	0.009634166	0.006190507	0.163943112	0.033082783	8.3064E-06	39.28451538	4.27136E-05	0.001079071	0.000411988	0.001856472
2105 Nov	224.9452515	0.118889451	0.149324924	0.003779441	28.93463135	0.050380334	99.66656494	0.001870535	0.000852239	5.4889E-06	0.009627467	0.006198115	0.164203465	0.033039082	8.30323E-06	39.26203537	4.27021E-05	0.001079985	0.000411057	0.00185543
2105 Dec	224.9455566	0.11889071	0.149324417	0.003779447	28.93483734	0.050380945	99.66618347	0.00187055	0.00085226	5.48899E-06	0.009627599	0.006198115	0.164202884	0.033039499	8.30331E-06	39.26233292	4.27022E-05	0.001079986	0.000411062	0.001855445
2106 Jan	224.944519	0.118890658	0.149323359	0.003779428	28.93479156	0.050380934	99.66544342	0.001870547	0.000852265	5.48901E-06	0.009627607	0.006198082	0.164201677	0.033039559	8.30331E-06	39.26228714	4.27021E-05	0.001079981	0.000411063	0.001855443
2106 Feb	224.9448853	0.11889109	0.149323389	0.003779433	28.93489265	0.050381102	99.66543579	0.001870553	0.000852271	5.48904E-06	0.009627645	0.006198089	0.164201647	0.033039752	8.30333E-06	39.26243973	4.27022E-05	0.001079983	0.000411066	0.001855449
2106 Mar	224.953476	0.118895754	0.149328977	0.003779576	28.93602753	0.050383076	99.66914368	0.001870625	0.000852306	5.48926E-06	0.009628026	0.006198323	0.164207757	0.033041086	8.30366E-06	39.26398468	4.27038E-05	0.001080024	0.000411082	0.001855522
2106 Apr	225.0547028	0.118949331	0.149396107	0.003781276	28.94906425	0.050405771	99.71394348	0.001871468	0.000852691	5.49174E-06	0.009632365	0.006201112	0.164281562	0.033055998	8.3074E-06	39.28168488	4.2723E-05	0.00108051	0.000411268	0.001856358
2106 May	225.1429596	0.1190148	0.149324924	0.003780583	28.96201706	0.050437581	99.71818542	0.001872772	0.000853939	5.49814E-06	0.009641274	0.006203294	0.164298028	0.033098232	8.31344E-06	39.31664658	4.27414E-05	0.001080934	0.000411855	0.001857842
2106 Jun	223.2718506	0.117561124	0.147286817	0.003727953	28.60957909	0.049825005	99.07591248	0.001862845	0.000842695	5.43548E-06	0.009547301	0.006183706	0.163466647	0.032915227	8.2455E-06	39.05131531	4.23866E-05	0.001077561	0.000408967	0.001839762
2106 Jul	223.5832977	0.117509656	0.147277117	0.003728283	28.6470089	0.049897097	99.30615997	0.001865871	0.000843055	5.43793E-06	0.009557011	0.006194578	0.163708448	0.032950148	8.25522E-06	39.11098099	4.24555E-05	0.001079533	0.000409285	0.001841881
2106 Aug	223.36409	0.117112614	0.146575838	0.003714616	28.63273048	0.049937278	99.22383118	0.001862012	0.000843518	5.43567E-06	0.009550019	0.006175856	0.163252756	0.032896899	8.24266E-06	39.08502197	4.24006E-05	0.001076127	0.000408962	0.001842003
2106 Sep	223.7078857	0.116701931	0.146304056	0.003708348	28.5636425	0.049982399	99.59141541	0.001865604	0.000841694	5.43114E-06	0.009551108	0.006195404	0.163882285	0.032836396	8.2505E-06	39.08586121	4.24458E-05	0.001078793	0.000407441	0.001842343
2106 Oct	224.0423279	0.116616488	0.146268174	0.003707235	28.53627968	0.050020352	99.84870148	0.001868214	0.000840752	5.43034E-06	0.009556886	0.006209895	0.164356679	0.032818347	8.25781E-06	39.10538101	4.24948E-05	0.001080851	0.000406837	0.001843576
2106 Nov	224.1017151	0.116644815	0.146302611	0.003708122	28.54302406	0.050033566	99.87612915	0.001868712	0.000840961	5.43173E-06	0.009559401	0.006211587	0.16440244	0.03282636	8.25997E-06	39.11537933	4.25059E-05	0.00108114	0.000406931	0.001844057
2106 Dec	224.1073456	0.116648234	0.146305934	0.003708216	28.54381943	0.050035097	99.87837219	0.001868766	0.000840992	5.43191E-06	0.009559702	0.006211739	0.164406165	0.032827362	8.26022E-06	39.11647797	4.2507E-05	0.001081166	0.000406943	0.001844109
2107 Jan	224.1076965	0.116648667	0.146305963	0.003708221	28.54391289	0.050035305	99.87837219	0.001868772	0.000840999	5.43195E-06	0.009559749	0.006211746	0.164406165	0.032827534	8.26025E-06	39.11661911	4.25071E-05	0.001081168	0.000406945	0.001844116
2107 Feb	224.1133728	0.116651736	0.146309555	0.003708315	28.54666629	0.050036624	99.88079834	0.001868821	0.000841023	5.4321E-06	0.009560004	0.006211902	0.164410174	0.032828439	8.26047E-06	39.11765671	4.25082E-05	0.001081195	0.000406957	0.001844164
2107 Mar	224.1346436	0.116662882	0.146323368	0.003708666	28.54739189	0.0500414	99.89022827	0.001868999	0.000841104	5.43262E-06	0.009560918	0.00621249	0.164425686	0.032831598	8.26126E-06	39.12139511	4.25123E-05	0.001081298	0.000406996	0.00184434
2107 Apr	224.1849365	0.116689093	0.146356165	0.003709498	28.5538063	0.050052639	99.91261292	0.001869419	0.000841294	5.43384E-06	0.009563068	0.006213884	0.164462537	0.032838989	8.26311E-06	39.13018799	4.25218E-05	0.001081541	0.000407088	0.001844755
2107 May	224.2182007	0.116573974	0.146124363	0.003704575	28.52953529	0.050035693	99.92870331	0.0018705	0.000841513	5.43571E-06	0.009565715	0.006217849	0.164536446	0.032862343	8.26586E-06	39.14873123	4.2528E-05	0.001082174	0.000407358	0.00184515
2107 Jun	223.985611	0.115928441	0.145171657	0.003682378	28.40221977	0.049873095	99.88859558	0.001871222	0.000839663	5.42724E-06	0.00955291	0.006224734	0.164601102	0.032879498	8.25963E-06	39.14533615	4.24854E-05	0.001083271	0.000407434	0.001842687
2107 Jul	224.338089	0.11596036	0.145052016	0.003681952	28.4659214	0.050007731	100.0396423	0.001872335	0.000841918	5.43783E-06	0.009569562	0.006224252	0.164614782	0.032923322	8.26849E-06	39.21924591	4.25446E-05	0.001083158	0.000408331	0.001847063
2107 Aug	225.0042877	0.116211772	0.145276159	0.003689111	28.56115913	0.050190076	100.3371506	0.001876691	0.000844841	5.45457E-06	0.009597965	0.006236571	0.164961472	0.033013266	8.29002E-06	39.3413887	4.26633E-05	0.001085267	0.000409651	0.001853365
2107 Sep	225.0594788	0.116159536	0.145049214	0.003685306	28.58329964	0.05024929	100.357399	0.00187573	0.000845699	5.4572E-06	0.009602015	0.006230327	0.164818957	0.033014216	8.28871E-06	39.36003876	4.26669E-05	0.001084164	0.000409904	0.001854926
2107 Oct	224.9559174	0.115980193	0.144653186	0.003677138	28.55433464	0.050238822	100.3079834	0.001873808	0.000845571	5.4555E-06	0.00959878	0.006222593	0.164660737	0.032984208	8.28172E-06	39.341465	4.26383E-05	0.001082608	0.000409691	0.001854858
2107 Nov	225.0282135	0.115952298	0.144558534	0.003675355	28.54652977	0.050246406	100.3406219	0.001874133	0.000845761	5.4572E-06	0.009601815	0.00622389	0.164721251	0.032986078	8.28316E-06	39.35017395	4.26475E-05	0.001082689	0.000409742	0.001855595
2107 Dec	225.0325165	0.115955226	0.144560814	0.003675427	28.54719162	0.050247733	100.3421631	0.001874178	0.000845792	5.45737E-06	0.009602083	0.006224004	0.164723828	0.032986976	8.28337E-06	39.35110092	4.26484E-05	0.00108271	0.000409753	0.00185564
2108 Jan	225.0339203	0.115956314	0.14456144	0.003675449	28.54744148	0.050248217	100.3425522	0.001874194	0.000845804	5.45744E-06	0.009602185	0.006224039	0.164724469	0.032987356	8.28344E-06	39.35145569	4.26487E-05	0.001082716	0.000409758	0.001855656
2108 Feb	225.0355377	0.115957305	0.144562304	0.003675474	28.54768944	0.050248642	100.343132	0.001874209	0.000845814	5.45749E-06	0.009602271	0.00622408	0.164725408	0.032987703	8.28351E-06	39.35181046	4.26491E-05	0.001082724	0.000409763	0.001855672
2108 Mar	225.0595093	0.115969762	0.144577622	0.003675865	28.55075455	0.050254032	100.3537445	0.00187441	0.000845906	5.45808E-06	0.009603305	0.006224742	0.164742842	0.032991279	8.2844E-06	39.35604095	4.26536E-05	0.001082839	0.000409807	0.001855871
2108 Apr	225.2523804	0.116068825	0.144700199	0.00367899	28.57532692	0.050297257	100.4396133	0.001876009	0.000846635	5.46277E-06	0.009611539	0.006230038	0.164882958	0.033019632	8.29149E-06	39.38987732	4.26901E-05	0.001083761	0.000410161	0.001857468

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2108 May	225.6143341	0.116256393	0.14490743	0.003684527	28.62425232	0.050383642	100.5942383	0.001879015	0.00084821	5.47239E-06	0.009627931	0.006239403	0.165124506	0.033077519	8.30511E-06	39.45714569	4.27591E-05	0.001085409	0.000410912	0.00186065
2108 Jun	225.9571838	0.11591462	0.143844038	0.003666771	28.55557632	0.050414253	100.5996475	0.001885526	0.000854792	5.50812E-06	0.009681056	0.006248638	0.16529566	0.033217657	8.33537E-06	39.57891464	4.29004E-05	0.001086803	0.000412954	0.001867038
2108 Jul	227.2312317	0.116371192	0.144316629	0.003680881	28.69096947	0.050691646	101.1698532	0.001895908	0.000860128	5.54148E-06	0.009740077	0.006281212	0.166184068	0.033396114	8.38204E-06	39.80343246	4.31551E-05	0.001092359	0.000415283	0.001878113
2108 Aug	228.318985	0.11684943	0.144851848	0.003695548	28.83490562	0.050956827	101.6614914	0.001903897	0.000864375	5.56754E-06	0.009785905	0.006306419	0.166877255	0.033543628	8.41904E-06	39.99477386	4.33558E-05	0.00109671	0.000417269	0.001887589
2108 Sep	228.3859711	0.116782643	0.14465569	0.003692163	28.85428619	0.051008549	101.6997604	0.00190286	0.000864901	5.56879E-06	0.009788552	0.006300858	0.166767821	0.033536229	8.41705E-06	40.0087471	4.33615E-05	0.001095704	0.000417401	0.001888937
2108 Oct	226.940506	0.116009928	0.143266693	0.0036617	28.70809746	0.050810128	101.008606	0.001889817	0.000862295	5.54408E-06	0.009742036	0.006247767	0.165356785	0.033336468	8.36543E-06	39.78588104	4.3096E-05	0.001086528	0.000415217	0.001879813
2108 Nov	226.7216797	0.115909532	0.143051505	0.0036572	28.68784714	0.050787058	100.8970032	0.001888056	0.000862169	5.54161E-06	0.009736758	0.006239747	0.165135533	0.033310987	8.35871E-06	39.7550354	4.3058E-05	0.001085155	0.000414932	0.001878588
2108 Dec	226.7285614	0.115913779	0.143055409	0.003657314	28.68882561	0.050788976	100.8997192	0.001888123	0.00086221	5.54185E-06	0.009737144	0.006239931	0.165140003	0.033312239	8.35902E-06	39.75639725	4.30594E-05	0.001085188	0.000414947	0.001878653
2109 Jan	226.7288513	0.1159143	0.14305532	0.003657318	28.68893051	0.050789218	100.8996277	0.00188813	0.000862218	5.54189E-06	0.009737201	0.006239936	0.165139884	0.033312436	8.35906E-06	39.75654984	4.30595E-05	0.001085189	0.00041495	0.001878661
2109 Feb	226.7328796	0.115916528	0.143057704	0.003657382	28.68947983	0.050790187	100.9012833	0.001888165	0.000862237	5.54201E-06	0.009737394	0.006240044	0.165142581	0.033313133	8.35922E-06	39.75732422	4.30603E-05	0.001085209	0.000414959	0.001878697
2109 Mar	226.7592316	0.115930095	0.143074259	0.003657807	28.69283485	0.050796121	100.9129333	0.001888386	0.00086234	5.54266E-06	0.009738537	0.006240768	0.165161669	0.033317059	8.3602E-06	39.76197815	4.30653E-05	0.001085335	0.000415008	0.001878916
2109 Apr	226.8903961	0.115997195	0.143156871	0.003659921	28.70945358	0.050825544	100.9712601	0.001889479	0.00086284	5.54587E-06	0.009744177	0.006244374	0.165257052	0.033336375	8.36504E-06	39.78501129	4.30902E-05	0.001085962	0.000415248	0.001880005
2109 May	227.821701	0.116337784	0.143085673	0.003662488	28.76887703	0.050985232	101.2637711	0.001898856	0.000869041	5.58289E-06	0.009804716	0.006270102	0.165885955	0.033545937	8.40742E-06	39.99259567	4.33004E-05	0.001090389	0.000418154	0.001889779
2109 Jun	229.9800415	0.117069349	0.143058285	0.003669837	28.90225983	0.051326349	102.0174713	0.001919716	0.000881378	5.65887E-06	0.009933423	0.00633192	0.167435452	0.033995707	8.49962E-06	40.45166397	4.37777E-05	0.001101011	0.000424342	0.00191102
2109 Jul	230.4044189	0.117099948	0.142916217	0.003669139	28.96700287	0.051469423	102.2017975	0.001921401	0.000883908	5.67132E-06	0.009953817	0.006333365	0.167504564	0.034049112	8.51093E-06	40.53808594	4.38536E-05	0.001101195	0.000425379	0.001916058
2109 Aug	230.9501343	0.117229275	0.142899066	0.003671562	29.03849792	0.051633429	102.4246216	0.001925273	0.000887283	5.68947E-06	0.009982353	0.00634185	0.167729497	0.034137063	8.53086E-06	40.65025711	4.39567E-05	0.001102587	0.000426717	0.001922084
2109 Sep	231.8326263	0.117321089	0.142777294	0.003670898	29.08042145	0.051785614	102.8420944	0.001929855	0.000889544	5.70605E-06	0.010015184	0.006359377	0.168333411	0.034215957	8.55236E-06	40.78608704	4.41033E-05	0.001105089	0.000428024	0.001929814
2109 Oct	235.3139191	0.118175246	0.1433523	0.003687295	29.1637516	0.052215975	104.5295258	0.001956309	0.000896007	5.76822E-06	0.010147439	0.006469318	0.17163156	0.034576844	8.65829E-06	41.29359436	4.47267E-05	0.001122153	0.000432272	0.001955514
2109 Nov	235.6033173	0.11826738	0.143417031	0.003689063	29.17153358	0.05225642	104.6729355	0.001958756	0.000896577	5.77359E-06	0.010159214	0.006479219	0.171918556	0.034608006	8.66786E-06	41.33613205	4.478E-05	0.001123714	0.000432585	0.001957619
2109 Dec	235.613327	0.118273124	0.143422723	0.003689222	29.17287827	0.052258987	104.6770477	0.001958848	0.000896628	5.7739E-06	0.010159725	0.006479489	0.171925351	0.034609705	8.66828E-06	41.33803558	4.4782E-05	0.001123762	0.000432605	0.00195771
2110 Jan	235.6171417	0.118275404	0.143424809	0.003689282	29.17341423	0.052260004	104.6785431	0.001958884	0.000896649	5.77402E-06	0.01015993	0.00647959	0.17192781	0.034610413	8.66844E-06	41.33880234	4.47828E-05	0.00112378	0.000432614	0.001957746
2110 Feb	235.6231842	0.118278608	0.143428341	0.003689375	29.17420197	0.052261397	104.6810989	0.001958936	0.000896676	5.77418E-06	0.010160206	0.006479754	0.171931997	0.0346114	8.66867E-06	41.33992004	4.47839E-05	0.001123808	0.000432627	0.001957799
2110 Mar	235.6424408	0.118288383	0.143440008	0.003689677	29.17660904	0.052265711	104.6895981	0.001959097	0.000896751	5.77466E-06	0.010161048	0.006480283	0.171945959	0.034614284	8.66939E-06	41.34333801	4.47876E-05	0.0011239	0.000432663	0.00195796
2110 Apr	235.724823	0.118329786	0.143490106	0.003690967	29.18682289	0.052284002	104.7261581	0.001959783	0.000897065	5.77669E-06	0.010164605	0.006482548	0.172005996	0.034626417	8.67242E-06	41.35780716	4.48033E-05	0.001124293	0.000432815	0.001958646
2110 May	236.1852112	0.118469357	0.143549815	0.003693049	29.2105217	0.052337162	104.9102249	0.001962999	0.000898464	5.78717E-06	0.010183121	0.006494689	0.172364265	0.034693256	8.68638E-06	41.43707275	4.48834E-05	0.001126208	0.000433816	0.001962567
2110 Jun	238.3177185	0.118161291	0.142635599	0.003668801	29.05895805	0.052059937	105.8888397	0.00197416	0.000895914	5.79898E-06	0.01022532	0.006566336	0.174624979	0.03494744	8.71825E-06	41.75904465	4.52096E-05	0.001136793	0.000438445	0.00197604
2110 Jul	238.845459	0.118223265	0.14266634	0.003670855	29.1172123	0.052169379	106.1594849	0.001977619	0.000897591	5.80906E-06	0.01024562	0.006577626	0.174934119	0.035013851	8.73342E-06	41.85565948	4.53118E-05	0.001138733	0.000439447	0.001980639
2110 Aug	238.3650513	0.117083229	0.142007262	0.003651099	28.91379166	0.051927861	106.3737106	0.00197791	0.000889401	5.76852E-06	0.010197148	0.00659618	0.175339013	0.034854691	8.71381E-06	41.719841	4.52362E-05	0.001141555	0.000436037	0.001971036
2110 Sep	237.5529022	0.115941398	0.14134109	0.003629466	28.64467239	0.051661544	106.5124588	0.001974388	0.000877625	5.71104E-06	0.010121439	0.00660764	0.175736204	0.03454423	8.67558E-06	41.4615097	4.50274E-05	0.001142608	0.000430106	0.001956939
2110 Oct	235.7576141	0.114830367	0.140381366	0.003600959	28.30946159	0.051273532	106.147644	0.001965119	0.000864441	5.64059E-06	0.010024146	0.006593889	0.175367802	0.034134969	8.61293E-06	41.05356216	4.46647E-05	0.001139558	0.000422619	0.001936104
2110 Nov	235.2201691	0.114569604	0.140093774	0.00359273	28.22333908	0.051170308	106.0138168	0.001961685	0.000860846	5.62072E-06	0.009997225	0.006586313	0.175176844	0.034015197	8.59304E-06	40.93505478	4.45579E-05	0.001138082	0.000420557	0.001930389
2110 Dec	235.2251434	0.114573263	0.140096113	0.003592811	28.22410965	0.051172026	106.0155487	0.00196174	0.000860886	5.62094E-06	0.009997568	0.006586445	0.175179765	0.034016266	8.5933E-06	40.9361496	4.4559E-05	0.001138106	0.000420569	0.001930443
2111 Jan	235.2254791	0.114573956	0.140096039	0.003592817	28.22423744	0.05117235	106.0154343	0.001961749	0.000860896	5.62099E-06	0.009997636	0.00658645	0.175179601	0.034016501	8.59335E-06	40.9363327	4.45591E-05	0.001138107	0.000420572	0.001930452
2111 Feb	235.2261505	0.114574544	0.140096262	0.003592826	28.22436905	0.051172592	106.0155869	0.001961757	0.000860903	5.62102E-06	0.009997688	0.006586466	0.175179824	0.034016725	8.59339E-06	40.93653107	4.45592E-05	0.00113811	0.000420575	0.001930461
2111 Mar	235.2644196	0.11459332	0.140118971	0.003593411	28.22899055	0.051180974	106.0327454	0.001962078	0.000861046	5.62195E-06	0.009999326	0.006587536	0.175208181	0.034022328	8.59479E-06	40.94322968	4.45665E-05	0.001138295	0.000420645	0.001930777
2111 Apr	235.4152374	0.114666849	0.140208721	0.003595714	28.24710274	0.051213812	106.1006622	0.001963336	0.000861599	5.62556E-06	0.010005744	0.006591757	0.175320417	0.034044176	8.60031E-06	40.9695015	4.45951E-05	0.001139025	0.000420915	0.001932016
2111 May	234.9755402	0.11457558	0.139903784	0.003589135	28.21768761	0.051163599	105.8799057	0.001962004	0.000861515	5.62178E-06	0.009997364	0.006583577	0.17496866	0.034041144	8.59299E-06	40.93185425	4.45271E-05	0.001137902	0.000420711	0.001929333
2111 Jun	231.0364075	0.113124683	0.13764222	0.003532353	27.86959648	0.0504447	104.1788559	0.00194056	0.000850272	5.53928E-06	0.009857103	0.006504487	0.17214267	0.033744831	8.48326E-06	40.42386246	4.38583E-05	0.001126086	0.000415966	0.001898373
2111 Jul	231.9920197	0.113550574	0.138071984	0.003544669	27.99867439	0.050684333	104.6039581	0.00194805	0.000854413	5.56397E-06	0.009900209	0.006527178	0.172738537	0.033887863	8.51766E-06	40.60093307	4.40407E-05	0.001130057	0.000417868	0.001906971
2111 Aug	231.3904877	0.113011234	0.137181893	0.003525876	27.95147896	0.050657198	104.359787	0.00194141	0.000853433	5.55194E-06	0.00987617	0.006499448	0.172000721	0.033795506	8.49218E-06	40.51933289	4.39098E-05	0.001125226	0.000416994	0.001903973
2111 Sep	231.4990234	0.112838037	0.136998132	0.003521594	27.93816185	0.050688125	104.513649	0.001943278	0.000852644	5.54862E-06	0.009874908	0.006508835	0.172213763	0.033800554	8.49584E-06	40.54001236	4.39209E-05	0.001126849	0.000416696	0.001904033
2111 Oct	231.7700195	0.112493232	0.136704922	0.003511639	27.83204079	0.050619546	104.8950882	0.001944765	0.000847251	5.52778E-06	0.00985884	0.006531848	0.172975525	0.033721663	8.49068E-06	40.51773453	4.39291E-05	0.001130185	0.000414946	0.001902174
2111 Nov	231.5617218	0.112230189	0.136415288	0.00350285	27.73686028	0.050526869	104.9518509	0.001943738	0.000843276	5.50947E-06	0.009838976	0.006537598	0.173179284	0.033632908	8.47869E-06	40.44505692	4.38739E-05	0.001130874	0.00041319	0.0018982
2111 Dec	231.5574036	0.112229973	0.136410609	0.003502753	27.73585701	0.050526775	104.9506378	0.001943756	0.000843267	5.50943E-06	0.009838975	0.006537651	0.173179686	0.033632427	8.47869E-06	40.44436264	4.38733E-05	0.001130881	0.000413172	0.001898163
2112 Jan	231.5572968	0.112230539	0.136410207	0.003502752	27.73595238	0.050527032	104.9502716	0.001943761	0.000843277	5.50948E-06	0.009839031	0.006537642	0.173179105	0.033632644	8.47873E-06	40.44449615	4.38733E-05	0.001130881	0.000413175	0.00189817
2112 Feb	231.5622559	0.112233244	0.136412933	0.003502826	27.73661232	0.050528228	104.9523315	0.001943806	0.000843301	5.50962E-06	0.009839268	0.006537778	0.173182487	0.033633519	8.47893E-06	40.44545746	4.38742E-05	0.001130905	0.000413186	0.001898214
2112 Mar	231.6065063	0.112254865	0.136438891	0.003503495	27.74194908	0.050537948	104.9722824	0.001944179	0.000843465	5.51068E-06	0.009841164	0.006539026	0.173215404	0.033640031	8.48056E-06	40.45324326	4.38826E-05	0.001131121	0.000413266	0.001898579
2112 Apr	231.7348022	0.112317123	0.136514395	0.003505435	27.75733185	0.050565969	105.0303574	0.001945256	0.000843934	5.51374E-06	0.009846621	0.006542647	0.173311248	0.033658706	8.48526E-06	40.47567749	4.39069E-05	0.001131747	0.000413496	0.001899632
2112 May	231.5291595	0.112185016	0.13609831	0.00349588	27.7191906	0.050477114	104.8857193	0.001944358	0.000843727	5.51184E-06	0.009841115	0.006539621	0.173147112	0.033694807	8.47979E-06	40.48035431	4.38674E-05	0.001131407	0.000414157	0.001898727
2112 Jun	227.5541687	0.109781198	0.133362681	0.003418684	27.26349258	0.049241953	103.3283768	0.001917111	0.000822737	5.38347E-06	0.009639706	0.00647119	0.170621529	0.033424061	8.33328E-06	39.97912979	4.31792E-05	0.001122283	0.000411026	0.001862022
2112 Jul	227.0492706	0.10936407	0.133100122	0.003411036	27.23371887	0.049125284	103.2294083	0.001914731	0.000819978	5.36475E-06	0.009615841	0.006464938	0.170304358	0.033377707	8.31781E-06	39.91646194	4.31288E-05	0.001121927	0.000410195	0.001856718
2112 Aug	227.7555695	0.10960979	0.133301482	0.003417689	27.33255768	0.049313817	103.5526428	0.001919055	0.000822835	5.38121E-06	0.009644823	0.006477518	0.170668304	0.033468243	8.33923E-06	40.04465103	4.32534E-05	0.001124086	0.000411558	0.001863301
2112 Sep	227.608551	0.109458968	0.132950574	0.003410891	27.33596039	0.049336392	103.4738541	0.0019162	0.000823151	5.37969E-06	0.009640561	0.00646421	0.170341551	0.033440456	8.33034E-06	40.02967834	4.32175E-05	0.001121785	0.000411508	0.00186335
2112 Oct	227.4177094	0.10928604	0.13263002	0.00340401	27.31478691	0.049312517	103.3849945	0.001913266	0.00082265	5.37512E-06	0.009632548	0.006452981	0.170086384	0.033398077	8.3196E-06	39.99600601	4.31753E-05	0.001119764	0.000411184	0.001862417
2112 Nov	227.445282	0.109279156	0.132608578	0.003403633	27.31507874	0.049316145	103.3976593	0.001913287	0.000822711	5.37558E-06	0.009633482	0.006453083	0.170100138	0.033398241	8.31989E-06	39.9992981	4.31795E-05	0.001119754	0.000411213	0.001862683
2112 Dec	227.4552917	0.109284587	0.132614031	0.003403784	27.31638336	0.049318612	103.4018631	0.001913378	0.000822759	5.37587E-06	0.009633977	0.00645336	0.170107067	0.033399943	8.3203E-06	40.00120544	4.31814E-05	0.001119802	0.000411234	0.001862772
2113 Jan	227.4552307	0.109284885	0.132613793	0.003403783	27.3164444	0.049318738	103.4016342	0.001913381	0.000822765	5.3759E-06	0.00963401	0.006453355	0.170106694	0.033400089	8.32032E-06	40.00129318	4.31815E-05	0.001119802	0.000411236	0.001862776
2113 Feb	227.4598999	0.109287292	0.132616401	0.003403853	27.31704521	0.049319807	103.4036331	0.001913422	0.000822785	5.37602E-06	0.009634225	0.006453486	0.170109987	0.033400875	8.3205E-06	40.00217819	4.31824E-05	0.001119825	0.000411246	0.001862817
2113 Mar	227.526474	0.109319359	0.132655144	0.003404849	27.32505989	0.049334265	103.4338226	0.001913983	0.000823028	5.3776E-06	0.009637052	0.006455373	0.170159653	0.033410702	8.32294E-06	40.01391602	4.3195E-05	0.001120153	0.000411367	0.001863363
2113 Apr	227.6506348	0.109379061	0.132727504	0.003406706	27.33998489	0.049361207	103.490242	0.001915028	0.000823478	5.38054E-06	0.009642316	0.006458895	0.170252442	0.033428967	8.32749E-06	40.03577805	4.32186E-05	0.001120764	0.000411592	0.001864381
2113 May	228.0407104	0.109385155	0.132572904	0.003404194	27.35311699	0.049366459	103.5954819	0.001917067	0.000825218	5.39196E-06	0.009659197	0.00646589	0.170469746	0.033511259	8.33806E-06	40.12015915	4.32907E-05	0.001121929	0.000413136	0.001868331
2113 Jun	229.9820099	0.108930908	0.131990865	0.003388236	27.31920052	0.049160466	104.444603	0.001923452	0.000824283	5.4051E-06	0.009694508	0.00651419	0.172119185	0.033759277	8.36291E-06	40.43516541	4.36227E-05	0.001129756	0.000418436	0.001881546
2113 Jul	230.653183	0.109131664	0.132123619	0.003393504	27.41323471	0.049334165	104.7383575	0.001927661	0.000827362	5.42232E-06	0.009723732	0.006525653	0.172436297	0.033857748	8.3841E-06	40.56497192	4.37466E-05	0.001131761	0.000419972	0.001888111
2113 Aug	231.149353	0.109261699	0.132165045	0.00339643	27.49083138	0.04948435	104.9588318	0.0019301	0.000829721	5.43477E-06	0.009744476	0.006531077	0.172606036	0.033922039	8.3979E-06	40.66053772	4.3831E-05	0.00113268	0.000421074	0.001893265
2113 Sep	231.1151581	0.109035537	0.131703854	0.003387035	27.48410988	0.049498115	104.9423676	0.001926903	0.000829669	5.43246E-06	0.009740325	0.006518725	0.172366574	0.033888735	8.38787E-06	40.65410233	4.38069E-05	0.001130373	0.000421106	0.001894099
2113 Oct	233.2182312	0.109064758	0.131631598	0.00338431	27.44620895	0.049590074	106.0745926	0.001937705	0.000828645	5.44785E-06	0.009793741	0.006581913	0.174539655	0.034001485	8.429E-06	40.89864349	4.41547E-05	0.001139804	0.000422721	0.001907292
2113 Nov	233.683548	0.109098695	0.131598547	0.003383255	27.42296791	0.04960699	106.3393326	0.001940739	0.000828211	5.45097E-06	0.009807616	0.006599109	0.175105304	0.034023881	8.43971E-06	40.94854355	4.42365E-05	0.001142409	0.000422856	0.001909963
2113 Dec	233.6925201	0.109104171	0.131602988	0.003383389	27.42422104	0.049609471	106.3428268	0.001940827	0.000828264	5.45127E-06	0.009808125	0.006599352	0.1751111	0.034025606	8.44011E-06	40.95038605	4.42384E-05	0.001142453	0.000422877	0.001910051
2114 Jan	233.6939087	0.109105341	0.131603479	0.003383409	27.42447853	0.049609978	106.3431625	0.001940844	0.000828278	5.45135E-06	0.009808234	0.006599386	0.175111681	0.034026016	8.44019E-06	40.95076752	4.42387E-05	0.001142459	0.000422882	0.001910068
2114 Feb	233.6952667	0.109106228	0.13160409	0.003383429	27.42469406	0.049610347	106.3436203	0.001940858	0.000828287	5.4514E-06	0.009808314	0.006599421	0.175112411	0.034026351	8.44026E-06	40.95109177	4.4239E-05	0.001142466	0.000422887	0.001910082
2114 Mar	233.7307434	0.109122932	0.131623983	0.003383942	27.42889023	0.049617924	106.3596649	0.001941153	0.000828416	5.45224E-06	0.009809814	0.006600421	0.175138831	0.034031589	8.44155E-06	40.9573555	4.42457E-05	0.001142639	0.000422952	0.001910374
2114 Apr	233.8215942	0.10916543	0.131675079	0.003385257	27.43956947	0.049637236	106.4009552	0.001941909	0.000828739	5.45436E-06	0.009813635	0.006602986	0.175206825	0.034044862	8.44483E-06	40.97330093	4.42629E-05	0.001143083	0.000423117	0.001911118
2114 May	234.3404236	0.109158635	0.131381139	0.00337852	27.41758919	0.049599301	106.6017151	0.001944462	0.000829099	5.4615E-06	0.009830683	0.006618299	0.17569083	0.034134313	8.45514E-06	41.06891632	4.43532E-05	0.001145534	0.00042467	0.001915361
2114 Jun	235.2310333	0.109143741	0.130910397	0.003368195	27.41612053	0.049581278	106.9646454	0.001948435	0.000830109	5.47372E-06	0.009859898	0.006640897	0.176395565	0.034288712	8.47228E-06	41.24213409	4.45118E-05	0.001149287	0.000427421	0.001923012
2114 Jul	236.3294678	0.10958413	0.131337747	0.00338067	27.55986023	0.049847	107.4582977	0.001956258	0.0008345	5.50017E-06	0.009906628	0.006665193	0.177059144	0.034443762	8.50882E-06	41.44205093	4.4715E-05	0.001153489	0.000429593	0.001932878
2114 Aug	237.4776001	0.110072367	0.131856501	0.003394959	27.70393944	0.050113354	107.9778214	0.001964899	0.000838846	5.52726E-06	0.009954778	0.006693211	0.177817002	0.034606837	8.54801E-06	41.64770889	4.4927E-05	0.001158328	0.000431776	0.001942825
2114 Sep	236.7263947	0.109668083	0.1310357	0.003377647	27.65839958	0.050056744	107.5987854	0.001956573	0.000838071	5.51533E-06	0.009929937	0.006657783	0.176888496	0.034503575	8.51764E-06	41.54259872	4.47757E-05	0.001152257	0.000430936	0.00193904
2114 Oct	236.3852997	0.109415159	0.130346507	0.003363259	27.60956001	0.050014403	107.396492	0.001951186	0.000837717	5.51034E-06	0.009919745	0.006636347	0.17641367	0.034437504	8.49901E-06	41.48670578	4.46952E-05	0.001148284	0.000430551	0.001938043
2114 Nov	237.9696045	0.109753914	0.130363718	0.00336507	27.63241768	0.050159365	108.1041336	0.001958922	0.000839782	5.5349E-06	0.009972074	0.006674354	0.177792683	0.03455776	8.534E-06	41.69283676	4.49439E-05	0.001153684	0.000432547	0.001950365
2114 Dec	238.0530853	0.109775975	0.130372345	0.003365332	27.63426208	0.050168019	108.1422729	0.001959406	0.000839903	5.53624E-06	0.009974989	0.006676594	0.177868009	0.034565136	8.5361E-06	41.70421219	4.49577E-05	0.00115402	0.000432653	0.001950999
2115 Jan	238.0548706	0.109777503	0.130372986	0.003365358	27.63459206	0.050168667	108.1427231	0.001959427	0.000839921	5.53633E-06	0.009975128	0.006676638	0.177868769	0.034565654	8.5362E-06	41.70469284	4.49581E-05	0.001154028	0.00043266	0.001951021
2115 Feb	238.059082	0.109779797	0.130375102	0.003365417	27.63515472	0.050169658	108.1444397	0.001959465	0.000839941	5.53645E-06	0.009975334	0.006676753	0.17787157	0.034566436	8.53637E-06	41.70553589	4.49589E-05	0.001154048	0.00043267	0.00195106
2115 Mar	238.0774841	0.10978847	0.130385071	0.003365677	27.6373291	0.050173588	108.1526718	0.001959617	0.000840009	5.5369E-06	0.009976119	0.006677266	0.177885115	0.0345692	8.53703E-06	41.70882034	4.49624E-05	0.001154138	0.000432705	0.001951213

Appendix D.2-24: PUMP04

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2115 Apr	238.2041779	0.109846994	0.130454391	0.003367468	27.65205956	0.050200325	108.2101593	0.001960661	0.000840458	5.53985E-06	0.009981437	0.006680818	0.177979663	0.034587651	8.54158E-06	41.73104858	4.49863E-05	0.001154752	0.000432936	0.001952252
2115 May	239.2125244	0.110121399	0.130256802	0.003364735	27.68487358	0.050291393	108.5812836	0.001966726	0.000843526	5.56281E-06	0.010025223	0.006705671	0.178731784	0.034761224	8.56974E-06	41.92355728	4.51654E-05	0.001158793	0.000435691	0.001961533
2115 Jun	241.0574799	0.110729679	0.130412772	0.003371098	27.79949188	0.05052679	109.3315659	0.001979312	0.000849107	5.60345E-06	0.010102454	0.006754517	0.180133507	0.035060167	8.62597E-06	42.2643013	4.5502E-05	0.001166983	0.000440097	0.001977552
2115 Jul	242.0092621	0.11108873	0.130713508	0.003380593	27.92840767	0.05077108	109.7602692	0.001985544	0.00085298	5.62617E-06	0.010142393	0.00677321	0.180656597	0.035190396	8.65608E-06	42.43875504	4.56727E-05	0.001170179	0.000442004	0.001986408
2115 Aug	241.4469452	0.110635005	0.129821539	0.00336221	27.89797974	0.050761253	109.480423	0.001977514	0.000852581	5.61668E-06	0.010120727	0.006739297	0.179811388	0.035097379	8.62824E-06	42.36200714	4.55395E-05	0.0011642	0.000441442	0.001984478
2115 Sep	242.0040741	0.11071033	0.129682988	0.003361064	27.94057846	0.050889526	109.7167664	0.001980273	0.000854768	5.63015E-06	0.010142921	0.006748139	0.180118784	0.035166454	8.64307E-06	42.46233368	4.56214E-05	0.001165502	0.000442579	0.001990047
2115 Oct	242.8466492	0.110884033	0.129762203	0.003363862	27.97919083	0.051008083	110.1082535	0.001985031	0.00085636	5.64433E-06	0.010170775	0.006768912	0.180801943	0.035249636	8.66447E-06	42.58755493	4.57543E-05	0.001168678	0.000443814	0.001996743
2115 Nov	244.4411011	0.111237533	0.129975721	0.003369791	28.02332878	0.051192764	110.8591766	0.001995122	0.000858775	5.66993E-06	0.010223742	0.006814784	0.182262287	0.035410378	8.70731E-06	42.8174057	4.60123E-05	0.001175791	0.00044596	0.002008607
2115 Dec	244.5377197	0.111261882	0.12998946	0.003370188	28.02640152	0.051205084	110.9044876	0.001995759	0.000858944	5.67157E-06	0.010227134	0.006817586	0.182350278	0.035420507	8.71002E-06	42.83160019	4.60282E-05	0.001176229	0.000446091	0.002009338
2116 Jan	244.5392151	0.111263312	0.129989907	0.00337021	28.0267067	0.051205706	110.9047775	0.001995779	0.000858961	5.67166E-06	0.010227265	0.006817621	0.18235077	0.03542101	8.71011E-06	42.83204651	4.60286E-05	0.001176235	0.000446097	0.002009358
2116 Feb	244.5486908	0.111267991	0.12999475	0.00337034	28.0278759	0.051207811	110.9088364	0.001995859	0.000859	5.67191E-06	0.01022769	0.006817881	0.182357445	0.035422571	8.71047E-06	42.83382416	4.60304E-05	0.001176281	0.000446117	0.002009441
2116 Mar	244.568985	0.111277416	0.130005419	0.00337062	28.03024673	0.051212125	110.9179077	0.001996026	0.000859075	5.6724E-06	0.010228556	0.006818444	0.182372361	0.035425611	8.7112E-06	42.83744431	4.60342E-05	0.001176379	0.000446156	0.00200961
2116 Apr	244.6901855	0.111332677	0.130069792	0.00337229	28.04416275	0.051237546	110.9728165	0.001997016	0.000859503	5.67522E-06	0.010233634	0.006821821	0.182462603	0.035443228	8.71552E-06	42.85870743	4.6057E-05	0.001176961	0.000446378	0.002010607
2116 May	245.8462219	0.111595422	0.13005057	0.00337344	28.08392525	0.051340528	111.4078217	0.002004061	0.000862757	5.7008E-06	0.010276919	0.00685111	0.183372483	0.035620946	8.74797E-06	43.06150436	4.62434E-05	0.001181581	0.000449192	0.002020608
2116 Jun	248.8269348	0.111420117	0.129404366	0.00335464	28.06208611	0.051181052	112.7453537	0.002020611	0.000862545	5.72717E-06	0.010342707	0.00695253	0.186331794	0.036153011	8.81182E-06	43.61295319	4.67264E-05	0.001199015	0.000457627	0.002041101
2116 Jul	249.8632813	0.111774303	0.129808813	0.003365666	28.18745232	0.051394299	113.2411804	0.002028714	0.000866018	5.7492E-06	0.010384649	0.006980701	0.187062487	0.036313891	8.84737E-06	43.80680084	4.69286E-05	0.001204089	0.000459737	0.002049688
2116 Aug	250.793335	0.11213579	0.130151853	0.003375679	28.30608368	0.051615752	113.6617737	0.002035145	0.000869549	5.77076E-06	0.010422932	0.007001175	0.187630847	0.036442161	8.87739E-06	43.97457504	4.70963E-05	0.001207616	0.000461546	0.002057951
2116 Sep	249.9042969	0.111644007	0.12925303	0.003356202	28.23960495	0.051526673	113.2426758	0.002025696	0.000867932	5.75398E-06	0.010391454	0.006962864	0.186638117	0.036307994	8.84165E-06	43.83864212	4.69216E-05	0.00120105	0.000460232	0.00205272
2116 Oct	249.6829834	0.111424692	0.128673226	0.003343457	28.1482811	0.051468771	113.1947098	0.002024766	0.000866757	5.7483E-06	0.010391275	0.006962594	0.186685771	0.036259186	8.83651E-06	43.78899002	4.69007E-05	0.001200943	0.000459142	0.002050651
2116 Nov	249.7865906	0.111456707	0.128655896	0.003343201	28.14211273	0.05148197	113.2570724	0.002025955	0.000866866	5.75004E-06	0.010397178	0.006967903	0.186838284	0.036269803	8.84098E-06	43.80275345	4.69252E-05	0.001201837	0.000459129	0.002051269
2116 Dec	249.7871246	0.111457892	0.128655791	0.003343211	28.14231873	0.051482484	113.2569122	0.002025969	0.000866882	5.75011E-06	0.01039729	0.006967911	0.186838031	0.036270164	8.84105E-06	43.80303192	4.69254E-05	0.001201839	0.000459133	0.002051282
2117 Jan	249.7864838	0.111458108	0.128655255	0.003343204	28.14233398	0.05148254	113.2563629	0.002025969	0.000866888	5.75014E-06	0.010397309	0.006967889	0.186837152	0.036270261	8.84106E-06	43.80303955	4.69253E-05	0.001201836	0.000459135	0.002051282
2117 Feb	249.7867889	0.111458488	0.128655285	0.003343208	28.14241982	0.051482674	113.2563477	0.002025973	0.000866893	5.75016E-06	0.010397341	0.006967894	0.186837122	0.036270425	8.84108E-06	43.80316925	4.69253E-05	0.001201837	0.000459137	0.002051288
2117 Mar	249.8133392	0.111470461	0.128668889	0.003343563	28.14543915	0.051488187	113.2683105	0.002026189	0.000866987	5.75078E-06	0.010398457	0.006968633	0.186856836	0.036274344	8.84203E-06	43.80786896	4.69303E-05	0.001201965	0.000459187	0.002051508
2117 Apr	249.9741364	0.111542292	0.12875168	0.003345715	28.16357231	0.05152135	113.3411713	0.002027494	0.000867546	5.75449E-06	0.010405156	0.006973117	0.186977029	0.036297731	8.84772E-06	43.83608627	4.69606E-05	0.001202739	0.000459483	0.002052829
2117 May	249.9862518	0.111592077	0.128550023	0.003342399	28.17157936	0.051539723	113.2933578	0.002028647	0.000869166	5.76181E-06	0.010416732	0.006973859	0.186919361	0.036357719	8.85397E-06	43.87524033	4.69812E-05	0.001203152	0.0004603	0.002054121
2117 Jun	250.1631317	0.11163976	0.128104538	0.003333437	28.16139412	0.051523302	113.343132	0.002033529	0.000871139	5.77257E-06	0.010444023	0.006991687	0.187199131	0.03652003	8.87331E-06	43.98417664	4.7078E-05	0.001207147	0.00046211	0.002056414
2117 Jul	251.1295624	0.11202421	0.128437087	0.003343656	28.28846169	0.051762957	113.7705002	0.002040368	0.000875205	5.79668E-06	0.010486111	0.007012403	0.187763244	0.036660455	8.90566E-06	44.16349411	4.7256E-05	0.001210727	0.000464098	0.002065319
2117 Aug	251.6091766	0.112161435	0.128469586	0.003346288	28.3639164	0.051911209	113.9859924	0.002042588	0.000877398	5.80824E-06	0.010505935	0.00701735	0.187924534	0.036719959	8.91843E-06	44.25498581	4.73356E-05	0.001211557	0.000465126	0.002070298
2117 Sep	251.6948242	0.112148471	0.128326938	0.003344114	28.39238739	0.051972304	114.0238419	0.002041778	0.000878105	5.81041E-06	0.010509705	0.007012312	0.187817141	0.036722161	8.91756E-06	44.27582169	4.73435E-05	0.001210674	0.000465387	0.002071887
2117 Oct	250.8972626	0.111838482	0.127698764	0.00333054	28.33524513	0.051888343	113.6208344	0.002034704	0.000877135	5.79859E-06	0.010485419	0.006982012	0.186986893	0.036624204	8.89045E-06	44.15969467	4.71949E-05	0.00120552	0.000464358	0.002067141
2117 Nov	250.669632	0.111750871	0.127517372	0.003326634	28.3191185	0.051865332	113.5060043	0.00203267	0.000876863	5.79523E-06	0.010478544	0.006973284	0.1867484	0.036595892	8.88267E-06	44.12648392	4.71524E-05	0.001204033	0.000464059	0.002065797
2117 Dec	250.6656342	0.111750081	0.127511173	0.003326525	28.31928253	0.051866069	113.5034256	0.002032627	0.000876884	5.79526E-06	0.010478552	0.006973021	0.186741024	0.036595631	8.88256E-06	44.12622452	4.71517E-05	0.001203989	0.000464059	0.002065799
2118 Jan	250.6661682	0.11175102	0.127511144	0.003326534	28.31946945	0.051866446	113.5033112	0.002032638	0.000876897	5.79532E-06	0.010478638	0.00697303	0.186740845	0.036595982	8.88261E-06	44.12649155	4.71519E-05	0.001203992	0.000464064	0.002065811
2118 Feb	250.6690369	0.111752637	0.12751244	0.003326572	28.31986809	0.051867139	113.5043945	0.002032664	0.000876912	5.79541E-06	0.010478785	0.006973105	0.186742619	0.03659657	8.88273E-06	44.1271019	4.71524E-05	0.001204005	0.000464072	0.002065839
2118 Mar	250.6821747	0.111758679	0.127519026	0.003326746	28.32139206	0.05186991	113.510231	0.002032772	0.000876961	5.79573E-06	0.010479349	0.006973469	0.186752215	0.036598582	8.88321E-06	44.12947464	4.71549E-05	0.001204068	0.000464098	0.002065949
2118 Apr	250.7430878	0.111794434	0.12754035	0.003327453	28.33102608	0.051886138	113.5313644	0.0020333	0.000877337	5.79781E-06	0.010482636	0.006974852	0.186782211	0.036612507	8.88572E-06	44.14368439	4.71666E-05	0.001204327	0.000464294	0.00206659
2118 May	250.8301086	0.111991726	0.127030283	0.003318756	28.36103058	0.051871657	113.3462372	0.002039344	0.00088288	5.82437E-06	0.010520712	0.006987829	0.186735794	0.036904976	8.91352E-06	44.31957245	4.72528E-05	0.0012079	0.000468279	0.00207097
2118 Jun	250.0192871	0.111740388	0.126313373	0.003299573	28.33293915	0.051551431	112.9515762	0.002046998	0.000883344	5.81886E-06	0.010523571	0.007019308	0.186579719	0.03732042	8.93352E-06	44.47239685	4.72899E-05	0.001217233	0.000472666	0.002064786
2118 Jul	251.2879333	0.112277918	0.126852825	0.003314664	28.4912281	0.051836789	113.5156326	0.002056849	0.000888354	5.8498E-06	0.010578543	0.007051144	0.187418818	0.037515968	8.97807E-06	44.70809555	4.75305E-05	0.001222818	0.000475291	0.0020759
2118 Aug	251.0288086	0.112033978	0.126336008	0.003304515	28.50531578	0.051870998	113.3790817	0.002051786	0.000888649	5.84581E-06	0.010568015	0.007028281	0.186844438	0.037470393	8.96179E-06	44.68230438	4.74625E-05	0.001218885	0.00047527	0.002075787
2118 Sep	250.5566406	0.111511722	0.12570779	0.003288962	28.40400124	0.051780768	113.3379593	0.00204962	0.000885181	5.82587E-06	0.01054587	0.007028016	0.186807156	0.037392903	8.94813E-06	44.59806442	4.73891E-05	0.001219214	0.00047347	0.002070241
2118 Oct	250.5216675	0.111176267	0.125552386	0.003280956	28.24981689	0.051680543	113.7160187	0.002053641	0.00087831	5.79699E-06	0.010532043	0.007065265	0.18783392	0.037300225	8.9507E-06	44.51910019	4.74185E-05	0.001225832	0.000470135	0.002063798
2118 Nov	250.4108276	0.111069664	0.125485092	0.003278123	28.20103836	0.051640611	113.771698	0.002053685	0.000876099	5.78679E-06	0.010524053	0.007071407	0.188019305	0.037252404	8.94714E-06	44.47569656	4.74053E-05	0.001226891	0.000468955	0.002061299
2118 Dec	250.4169922	0.11107368	0.125487372	0.003278203	28.20196724	0.051642507	113.7739334	0.002053745	0.000876141	5.78703E-06	0.010524434	0.007071558	0.188022718	0.0372537	8.94742E-06	44.47706223	4.74066E-05	0.001226918	0.000468972	0.002061365
2119 Jan	250.4191132	0.111075215	0.125488192	0.003278231	28.20231056	0.051643159	113.7745895	0.002053767	0.000876158	5.78711E-06	0.010524575	0.007071611	0.188023806	0.037254229	8.94753E-06	44.47757721	4.7407E-05	0.001226928	0.000468979	0.002061388
2119 Feb	250.4247131	0.111077994	0.125490859	0.003278305	28.20300484	0.0516444	113.7769623	0.002053815	0.000876182	5.78726E-06	0.010524832	0.007071766	0.18802771	0.037255205	8.94774E-06	44.47866058	4.74081E-05	0.001226956	0.000468991	0.002061438
2119 Mar	250.4720154	0.111099146	0.125514507	0.003278924	28.2083683	0.051654205	113.7983551	0.002054205	0.00087635	5.78837E-06	0.010526833	0.0070731	0.18806307	0.037262321	8.94944E-06	44.48711395	4.74171E-05	0.001227188	0.000469081	0.002061829
2119 Apr	250.5301208	0.111161761	0.125509828	0.003279201	28.22369576	0.051675759	113.8044128	0.002054881	0.00087702	5.79161E-06	0.010531538	0.007074405	0.18806681	0.037292074	8.95281E-06	44.5112114	4.74286E-05	0.001227507	0.000469508	0.002062734
2119 May	247.792572	0.110435382	0.124175176	0.003241449	28.03667831	0.051091582	112.5511246	0.002040439	0.000868161	5.72791E-06	0.010425953	0.007032237	0.186192513	0.037283137	8.87985E-06	44.25570297	4.69619E-05	0.001222962	0.000468891	0.002041007
2119 Jun	246.0927887	0.109764062	0.123519912	0.003220826	27.93624687	0.050732806	111.9185638	0.002030346	0.000860646	5.67709E-06	0.01034827	0.007005438	0.1850667	0.037202973	8.82815E-06	44.05976868	4.66847E-05	0.001220114	0.000467408	0.00202583
2119 Jul	247.1444855	0.110202029	0.123910449	0.003232316	28.07651901	0.050980806	112.382225	0.002038192	0.000865008	5.70309E-06	0.010394452	0.007029951	0.185704857	0.037370816	8.86443E-06	44.26224518	4.68842E-05	0.001224485	0.00046974	0.00203536
2119 Aug	247.5450134	0.110287525	0.123805515	0.003232105	28.15675926	0.051131245	112.5486221	0.002038935	0.000867226	5.71324E-06	0.010410652	0.00702854	0.185698584	0.037423473	8.87225E-06	44.3490448	4.69418E-05	0.001224263	0.000470866	0.002040228
2119 Sep	246.8085938	0.10989023	0.123083696	0.003216354	28.10540962	0.051054325	112.1859818	0.002030964	0.000865918	5.69958E-06	0.010382704	0.006996389	0.18486172	0.037319448	8.84221E-06	44.24013138	4.67875E-05	0.001218759	0.000469935	0.002035952
2119 Oct	247.3087616	0.10978236	0.123031773	0.003213421	28.06269455	0.051049281	112.576561	0.002034454	0.000863474	5.69364E-06	0.010388655	0.007022681	0.185690075	0.037328284	8.85242E-06	44.28149796	4.68739E-05	0.001223171	0.000469478	0.002037236
2119 Nov	247.5768127	0.109731376	0.123031043	0.003212114	28.03212166	0.051041115	112.8051529	0.002036536	0.000861766	5.68883E-06	0.010391362	0.007038706	0.186186433	0.037326667	8.85788E-06	44.29847717	4.69236E-05	0.001225857	0.000469048	0.002037558
2119 Dec	247.5840454	0.10973572	0.123034216	0.003212211	28.03312302	0.051043049	112.80793	0.002036605	0.000861808	5.68907E-06	0.010391764	0.007038902	0.186191022	0.03732812	8.8582E-06	44.30000687	4.69251E-05	0.001225892	0.000469066	0.002037629

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	9.1E-06	2.4E-10	8.0E-05	1.9E-04	4.9E-06	7.1E-09	3.0E-04	6.3E-08	3.4E-07	2.3E-08	5.5E-09	3.1E-09	7.5E-06	4.8E-11	2.4E-09	5.1E-08	3.7E-08	4.3E-04
Operations (2020-2043): Mean	5.5E-02	3.2E-05	4.4E+00	4.1E+01	1.5E-01	3.4E-03	1.6E+02	1.6E-02	4.8E-03	1.3E-04	3.0E-03	1.1E-03	4.8E-01	1.7E-06	9.6E-04	1.6E-03	3.2E-03	6.7E-03
Operations (2020-2043): Max	8.3E-02	5.0E-05	6.6E+00	6.5E+01	2.3E-01	0.00533	3.1E+02	2.5E-02	6.3E-03	2.8E-04	4.7E-03	1.7E-03	7.4E-01	2.4E-06	1.5E-03	2.2E-03	4.8E-03	1.0E-02
Active Closure (2044-2050): Min	3.3E-02	8.9E-06	1.9E+00	9.6E+00	3.9E-02	8.4E-04	2.6E+01	4.0E-03	4.6E-03	7.1E-05	6.6E-04	2.7E-04	1.3E-01	1.8E-06	2.3E-04	4.7E-04	1.5E-03	1.4E-03
Active Closure (2044-2050): Mean	3.7E-02	1.5E-05	2.5E+00	1.8E+01	6.8E-02	1.5E-03	5.0E+01	7.1E-03	5.2E-03	8.2E-05	1.3E-03	4.8E-04	2.2E-01	2.2E-06	4.2E-04	7.4E-04	2.0E-03	2.7E-03
Active Closure (2044-2050): Max	5.5E-02	3.4E-05	4.6E+00	4.3E+01	1.6E-01	3.5E-03	1.2E+02	1.7E-02	5.6E-03	1.3E-04	3.1E-03	1.1E-03	5.0E-01	2.4E-06	1.0E-03	1.6E-03	3.4E-03	6.8E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Post Closure (2051-2119): Min	3.6E-02	8.9E-06	1.8E+00	6.3E+00	3.9E-02	8.2E-04	2.5E+01	3.9E-03	5.6E-03	7.7E-05	6.1E-04	2.5E-04	1.3E-01	2.2E-06	2.2E-04	4.7E-04	1.5E-03	8.7E-04
Post Closure (2051-2119): Mean	9.7E-02	1.0E-05	7.4E+00	9.4E+00	8.5E-02	2.7E-03	3.0E+01	5.5E-03	1.1E-02	5.9E-04	1.0E-03	4.4E-04	4.0E-01	7.2E-06	1.4E-03	7.7E-04	2.0E-03	1.2E-03
Post Closure (2051-2119): Max	1.2E-01	1.1E-05	1.2E+01	1.3E+01	1.2E-01	4.5E-03	3.6E+01	7.3E-03	1.2E-02	8.8E-04	1.4E-03	6.5E-04	5.9E-01	1.1E-05	2.4E-03	9.5E-04	2.2E-03	1.6E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2119)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	9.14682E-06	2.40706E-10	8.03958E-05	0.00019449	4.93447E-06	7.10082E-09	0.000302086	6.25835E-08	3.36988E-07	2.30115E-08	5.53624E-09	3.12918E-09	7.48595E-06	4.81412E-11	2.40706E-09	5.05482E-08	3.73094E-08	0
2035 Feb	4.39118E-05	1.15557E-09	0.000385962	0.000933703	2.36893E-05	3.40894E-08	0.001450245	3.00449E-07	1.6178E-06	1.10473E-07	2.65782E-08	1.50225E-08	3.59383E-05	2.31115E-10	1.15557E-08	2.4267E-07	1.79114E-07	0
2035 Mar	8.40712E-05	2.2124E-09	0.000738941	0.001787619	4.53542E-05	6.52658E-08	0.002776561	5.75224E-07	3.09736E-06	2.11505E-07	5.08852E-08	2.87612E-08	6.88056E-05	4.4248E-10	2.2124E-08	4.64604E-07	3.42922E-07	0
2035 Apr	0.000122379	3.22051E-09	0.001075651	0.002602173	6.60205E-05	9.50051E-08	0.004041741	8.37333E-07	4.50871E-06	3.07881E-07	7.40717E-08	4.18666E-08	0.000100158	6.44102E-10	3.22051E-08	6.76307E-07	4.99179E-07	0
2035 May	0.009848174	2.32821E-06	0.344161898	2.880191088	0.013716233	0.000226781	13.02158165	0.001099094	0.000539619	3.83666E-05	0.000203546	7.64041E-05	0.036982447	1.48763E-07	6.56954E-05	0.000141673	0.000250661	0.000431507
2035 Jun	0.051323589	2.7007E-05	3.6056633	33.69771957	0.128952116	0.002719214	156.8230286	0.012978546	0.004335629	0.000130389	0.002454011	0.000894383	0.394483894	1.52938E-06	0.000785932	0.001351718	0.002865711	0.005272668
2035 Jul	0.048593339	4.04039E-05	5.310421467	51.72175217	0.185549825	0.004200656	242.5682373	0.019896304	0.005029648	7.78554E-05	0.003766469	0.001371291	0.588783026	2.06745E-06	0.001209693	0.001897865	0.004111676	0.008188602
2035 Aug	0.040941712	4.33112E-05	5.751961231	56.76691437	0.200807109	0.004645756	266.6758423	0.021767702	0.004425098	5.48946E-05	0.004097398	0.001503967	0.642687559	2.04618E-06	0.001326154	0.001980638	0.004191869	0.009009348
2035 Sep	0.043368679	3.2277E-05	4.278254032	40.68783188	0.1433734	0.003437995	190.4191437	0.015625924	0.005120032	2.94652E-05	0.002899784	0.001074633	0.470066786	1.75066E-06	0.000959872	0.001415989	0.003069342	0.006406613
2035 Oct	0.045604959	3.10005E-05	4.106581688	38.73391724	0.136401325	0.003297852	181.0672607	0.0148772	0.005441344	2.72743E-05	0.002753104	0.001021366	0.449653089	1.73099E-06	0.000916542	0.001355535	0.002943737	0.00608575
2035 Nov	0.043336056	3.10649E-05	4.12175703	39.15419388	0.137761474	0.003321333	183.1570435	0.015028125	0.005166528	2.68509E-05	0.002786002	0.00103254	0.452889293	1.68906E-06	0.000925246	0.00136638	0.002943855	0.006160414
2035 Dec	0.043491211	3.10378E-05	4.117687225	39.09404755	0.137557283	0.003317263	182.8655396	0.015005765	0.005185733	2.68525E-05	0.002781458	0.001030934	0.452322155	1.6911E-06	0.00092393	0.001364603	0.002941666	0.00615026
2036 Jan	0.043618571	3.10219E-05	4.116087437	39.06739807	0.137518793	0.003315087	182.7312012	0.014995527	0.005191522	2.71322E-05	0.002779405	0.001030202	0.452105582	1.69137E-06	0.000923294	0.00136429	0.002940411	0.006145543
2036 Feb	0.043759827	3.10137E-05	4.115837574	39.05516052	0.13754946	0.003313886	182.6634216	0.014990622	0.005195294	2.75205E-05	0.002778391	0.001029845	0.452054828	1.69152E-06	0.000922967	0.001364622	0.002939883	0.006143088
2036 Mar	0.043837421	3.101E-05	4.115804672	39.04951096	0.137569487	0.003313318	182.6312714	0.014988338	0.005197466	2.77316E-05	0.00277791	0.001029677	0.452038586	1.69165E-06	0.000922812	0.001364836	0.00293967	0.006141911
2036 Apr	0.044654835	3.13629E-05	4.166509628	39.52254868	0.13950634	0.003351425	184.8173218	0.015168095	0.005243849	2.95189E-05	0.002811372	0.001042043	0.457683861	1.70839E-06	0.000933702	0.001383822	0.002973552	0.006215237
2036 May	0.047760431	3.27198E-05	4.358691692	41.30634689	0.146713942	0.003495992	193.0668945	0.015847715	0.005441676	3.73602E-05	0.0029379	0.0010889	0.478961527	1.77662E-06	0.00097493	0.001455192	0.003105679	0.006491879
2036 Jun	0.046203587	3.15112E-05	4.121521473	39.2810936	0.142662317	0.003204825	183.7690582	0.01515225	0.004801465	7.27467E-05	0.002867688	0.001041763	0.452106208	1.75495E-06	0.000921471	0.001494041	0.003300696	0.006192231
2036 Jul	0.044600233	3.91531E-05	5.143603325	50.37368011	0.178299651	0.004106758	236.5022583	0.019353123	0.004645144	5.97622E-05	0.003642038	0.001334685	0.571762562	1.9671E-06	0.00117794	0.001765412	0.003825762	0.00798458
2036 Aug	0.049686864	4.99221E-05	6.604739189	65.24472809	0.229910359	0.005330364	306.5680237	0.02501855	0.005226532	6.45067E-05	0.004701504	0.001727939	0.738029301	2.37919E-06	0.001524061	0.002243923	0.004774317	0.010356346
2036 Sep	0.03669598	4.05925E-05	5.417543888	53.64325333	0.188272327	0.004424891	252.0404205	0.020532504	0.004166769	3.73396E-05	0.003850261	0.001418474	0.60696882	1.86611E-06	0.001255084	0.001835463	0.003825545	0.008514114
2036 Oct	0.046434551	3.14932E-05	4.171434879	39.35638809	0.138574392	0.003350356	183.9774933	0.015115575	0.005535437	2.78718E-05	0.002797361	0.001037672	0.456820637	1.75763E-06	0.000931301	0.001377376	0.00298989	0.006183655
2036 Nov	0.044858005	3.19362E-05	4.236215115	40.21836472	0.141510978	0.003412353	188.1230927	0.015437479	0.005343923	2.7809E-05	0.002861493	0.001060555	0.465331614	1.74095E-06	0.000950518	0.001403907	0.00302691	0.00632705
2036 Dec	0.044567034	3.18512E-05	4.225502014	40.13623047	0.141212687	0.003404616	187.747467	0.015405148	0.005309696	2.76739E-05	0.002855836	0.001058391	0.464267939	1.733E-06	0.000948496	0.00140078	0.003018362	0.006314723
2037 Jan	0.044782028	3.18268E-05	4.223115444	40.0944252	0.141156957	0.003401221	187.5357971	0.015389096	0.00531982	2.81377E-05	0.002852598	0.00105724	0.463937134	1.73358E-06	0.000947498	0.001400345	0.003016478	0.006307274
2037 Feb	0.045022506	3.18209E-05	4.223696709	40.08387756	0.141239867	0.003400061	187.4692841	0.015384707	0.005327211	2.87766E-05	0.002851614	0.001056905	0.463963002	1.73425E-06	0.000947187	0.001401212	0.003016325	0.00630475
2037 Mar	0.04526633	3.18969E-05	4.234535217	40.17793655	0.141637072	0.003407894	187.8998108	0.015420621	0.005344527	2.9198E-05	0.002858177	0.001059354	0.465132773	1.73893E-06	0.000949375	0.001405177	0.003023755	0.006319072
2037 Apr	0.045670714	3.21268E-05	4.265491009	40.46660995	0.142692372	0.003432296	189.2444458	0.015531308	0.005385685	2.96106E-05	0.002878639	0.001066948	0.468521059	1.75178E-06	0.000956177	0.001415661	0.003045681	0.006364202
2037 May	0.08304742	2.93097E-05	4.073952675	35.95462418	0.146842867	0.0029775	160.5637512	0.01378359	0.006348589	0.000231321	0.002543953	0.000950295	0.4398233	1.81021E-06	0.000839073	0.001494756	0.002957301	0.005517405
2037 Jun	0.082499079	3.03915E-05	4.266212463	38.43420029	0.159697115	0.003097769	159.0618134	0.014707145	0.00547188	0.000277831	0.002744609	0.001018224	0.46571672	1.73062E-06	0.000888959	0.001630614	0.003129074	0.005920407
2037 Jul	0.078329794	3.17839E-05	4.422297001	40.3732338	0.164057821	0.003258225	166.9049225	0.015456771	0.005385493	0.000254731	0.002890352	0.001069601	0.484279752	1.76875E-06	0.00093525	0.001671889	0.003255355	0.006247702
2037 Aug	0.0752896	3.31936E-05	4.600168228	42.46361923	0.169800788	0.003431665	175.4554443	0.016253481	0.005276279	0.000240162	0.003041731	0.001124826	0.505500555	1.79677E-06	0.000984361	0.001721252	0.003367217	0.006593466
2037 Sep	0.071880661	3.40101E-05	4.697345734	43.71620178	0.172458917	0.003540532	180.5332489	0.016730763	0.005165176	0.000223199	0.003132073	0.00115776	0.517431855	1.8045E-06	0.001014313	0.001741246	0.003422217	0.006805307
2037 Oct	0.067688942	3.39209E-05	4.664865494	43.63448715	0.169784993	0.003549431	180.0383911	0.016701493	0.005090365	0.000198607	0.003124887	0.001155065	0.514334738	1.78676E-06	0.0010142	0.001709644	0.003386559	0.006805188
2037 Nov	0.067225039	3.39007E-05	4.658920765	43.59458923	0.169312999	0.003549024	179.8470001	0.016687	0.005095569	0.000195145	0.003121665	0.001153922	0.513661861	1.78637E-06	0.00101359	0.001704422	0.003381072	0.006800214
2037 Dec	0.067241475	3.39053E-05	4.659497738	43.59891129	0.169328257	0.00354945	179.8642426	0.016688699	0.005097636	0.000195147	0.003121958	0.001154035	0.513718724	1.78681E-06	0.001013699	0.001704587	0.003381521	0.006800858
2038 Jan	0.067254968	3.39038E-05	4.659343243	43.59618378	0.169323757	0.00354924	179.8520966	0.016687654	0.005098393	0.000195167	0.003121745	0.00115396	0.513696849	1.78686E-06	0.001013635	0.001704548	0.003381395	0.006800373
2038 Feb	0.067270346	3.3903E-05	4.659337521	43.59505463	0.169327453	0.003549131	179.8464661	0.016687199	0.005098869	0.000195205	0.003121648	0.001153926	0.513693631	1.78689E-06	0.001013604	0.001704587	0.00338135	0.006800139
2038 Mar	0.067284174	3.39054E-05	4.659711838	43.59796524	0.169343188	0.003549359	179.8579559	0.016688302	0.005099542	0.000195241	0.003121847	0.001154001	0.513733447	1.78706E-06	0.00101367	0.001704746	0.0033816	0.006800561
2038 Apr	0.067364916	3.39435E-05	4.664970875	43.64683914	0.169535518	0.003553332	180.0592651	0.016707001	0.005105447	0.000195473	0.003125342	0.001155293	0.514312387	1.78908E-06	0.001014805	0.001706683	0.003385404	0.006808166
2038 May	0.070036151	3.38726E-05	4.667760372	43.48780441	0.170260638	0.00353644	178.4900818	0.01664464	0.00520075	0.000208448	0.003112549	0.001151193	0.514078021	1.80013E-06	0.001010456	0.001716033	0.003388525	0.006773811
2038 Jun	0.0743066	3.28867E-05	4.560689926	42.10956192	0.168197155	0.003407887	166.5175476	0.016114647	0.00523088	0.000235917	0.003014132	0.001115209	0.501274109	1.7757E-06	0.000976422	0.001703109	0.003326298	0.006538583
2038 Jul	0.074757591	3.35587E-05	4.644980907	42.94947433	0.170992002	0.003476326	169.3499908	0.016439851	0.005312638	0.000234959	0.00307626	0.001137513	0.51059562	1.8114E-06	0.000996226	0.001732545	0.003396835	0.006672999
2038 Aug	0.073184073	3.44924E-05	4.763940811	44.30710602	0.174873218	0.003589025	173.6039581	0.01695778	0.005265923	0.000226952	0.003174395	0.001173411	0.524622202	1.8342E-06	0.001028095	0.001766531	0.003473055	0.006896215
2038 Sep	0.070263691	3.48807E-05	4.806459427	44.96257019	0.175791264	0.003647409	174.9616852	0.017206637	0.005152878	0.000213287	0.00322181	0.001190556	0.530241847	1.82785E-06	0.001043956	0.001770979	0.003492197	0.007010622
2038 Oct	0.068572246	3.48463E-05	4.793681622	44.93421555	0.174735397	0.003651243	174.1358795	0.017196493	0.005121061	0.000203448	0.003219257	0.00118959	0.52903986	1.82045E-06	0.001044005	0.00175844	0.003477945	0.007011322
2038 Nov	0.068520486	3.48637E-05	4.795489311	44.95475388	0.174753949	0.003653432	174.1678162	0.017204482	0.005124611	0.000202907	0.003220664	0.001190118	0.529239297	1.8214E-06	0.00104454	0.001758529	0.003479008	0.007014786
2038 Dec	0.068528876	3.4863E-05	4.795355797	44.95233917	0.174744904	0.003653294	174.1580963	0.017203597	0.005125829	0.000202898	0.003220477	0.001190053	0.529217899	1.82156E-06	0.00104449	0.001758451	0.003478948	0.007014371
2039 Jan	0.068537131	3.48619E-05	4.795245647	44.95051193	0.174741581	0.003653152	174.1504974	0.017202897	0.005126293	0.000202909	0.003220334	0.001190002	0.529202819	1.82159E-06	0.001044447	0.001758422	0.00347886	0.007014049
2039 Feb	0.068546467	3.48614E-05	4.795223236	44.94961929	0.174743161	0.003653069	174.1465149	0.017202543	0.005126572	0.000202932	0.003220261	0.001189976	0.529198587	1.8216E-06	0.001044424	0.00175844	0.003478818	0.007013874

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.068565801	3.48683E-05	4.796206951	44.95847702	0.174780369	0.003653784	174.1805267	0.017205924	0.00512779	0.000202987	0.003220889	0.001190209	0.529306293	1.82199E-06	0.001044628	0.001758814	0.003479518	0.007015236
2039 Apr	0.068622805	3.48956E-05	4.799984932	44.99367523	0.174918771	0.003656641	174.3167267	0.017219393	0.005131923	0.000203154	0.003223408	0.00119114	0.529722631	1.82343E-06	0.001045446	0.001760207	0.003482251	0.007020717
2039 May	0.068859711	3.50464E-05	4.820760727	45.19399643	0.17568168	0.003672844	175.0010529	0.017295878	0.005148988	0.0002039	0.003237778	0.001196441	0.532043874	1.83047E-06	0.001050091	0.001767784	0.003496972	0.007052179
2039 Jun	0.064559244	3.37942E-05	4.601145267	43.14884567	0.166183606	0.003505995	162.4037781	0.016544743	0.005098158	0.000178503	0.003104776	0.001142969	0.506572127	1.80788E-06	0.001004333	0.001689721	0.003423921	0.006741909
2039 Jul	0.059024509	3.36329E-05	4.547313213	43.00610733	0.163098484	0.003495313	156.6336975	0.016498392	0.004861859	0.00015309	0.003100256	0.001139312	0.501543462	1.77772E-06	0.001001975	0.001656015	0.003398502	0.00673905
2039 Aug	0.057470884	3.3707E-05	4.545410633	43.09732437	0.162391305	0.003505707	154.970993	0.01653545	0.004810405	0.000143887	0.003105632	0.001141745	0.501550555	1.77743E-06	0.001004482	0.001641723	0.003386883	0.00675964
2039 Sep	0.057015419	3.39571E-05	4.578221798	43.47045517	0.163440064	0.003537799	155.7008057	0.016676929	0.004800319	0.000141413	0.003132045	0.001151548	0.505436301	1.78253E-06	0.001013298	0.001650549	0.003405108	0.006820806
2039 Oct	0.056564845	3.39848E-05	4.581078053	43.53010559	0.163415894	0.003544519	155.4823151	0.016698878	0.004787985	0.000139022	0.003135848	0.001153036	0.505879462	1.78013E-06	0.001014849	0.00164933	0.003403169	0.00683161
2039 Nov	0.056602966	3.40019E-05	4.583349705	43.55047607	0.163491651	0.003546252	155.5528107	0.016706731	0.004791871	0.000139077	0.003137297	0.001153574	0.506123185	1.78124E-06	0.001015331	0.001650105	0.003404879	0.00683477
2039 Dec	0.056610722	3.40047E-05	4.583719254	43.55363083	0.163503602	0.003546527	155.5639801	0.016707955	0.004792668	0.000139088	0.003137519	0.001153657	0.506161928	1.78144E-06	0.001015407	0.00165023	0.003405164	0.006835253
2040 Jan	0.056613952	3.40042E-05	4.583664894	43.55279541	0.163501963	0.003546461	155.5608368	0.016707635	0.004792838	0.000139093	0.003137455	0.001153634	0.506154776	1.78145E-06	0.001015387	0.001650215	0.003405119	0.006835107
2040 Feb	0.056618094	3.40042E-05	4.583686352	43.55273056	0.163503721	0.003546452	155.5604248	0.016707603	0.004792981	0.000139103	0.003137446	0.001153631	0.506156504	1.78147E-06	0.001015384	0.001650233	0.003405125	0.006835083
2040 Mar	0.056630351	3.40102E-05	4.584508896	43.5603981	0.163533583	0.003547074	155.5877075	0.016710542	0.004793906	0.000139134	0.003137996	0.001153834	0.506246984	1.78179E-06	0.001015563	0.001650535	0.00340573	0.006836278
2040 Apr	0.056666907	3.40314E-05	4.587373734	43.58753967	0.163636088	0.003549283	155.6845856	0.016720952	0.004796938	0.000139223	0.00313995	0.001154553	0.506563187	1.78291E-06	0.001016195	0.001651569	0.003407855	0.006840534
2040 May	0.057454154	3.40683E-05	4.595534325	43.61568832	0.16407761	0.003550776	155.5913239	0.016731393	0.004831466	0.000142723	0.003141558	0.001155319	0.507316411	1.78884E-06	0.001016703	0.001656529	0.003413968	0.006842476
2040 Jun	0.061246566	3.3142E-05	4.490768433	42.25292206	0.161438972	0.003432201	146.9676361	0.016209157	0.0049271 39	0.000163379	0.003042424	0.001119491	0.494545907	1.77372E-06	0.000983886	0.001636759	0.003348818	0.006610815
2040 Jul	0.06064523	3.35416E-05	4.54065752	42.82433701	0.1630961	0.003478613	147.6164551	0.016428024	0.004913515	0.00016026	0.003084639	0.00113461	0.5004161	1.78456E-06	0.000997305	0.001652814	0.003385735	0.006704881
2040 Aug	0.060409974	3.3968E-05	4.596826553	43.43215179	0.16502811	0.003528512	148.8336639	0.016659576	0.004912962	0.000158725	0.003128306	0.001150675	0.506939411	1.79752E-06	0.001011492	0.001670285	0.003421916	0.006803358
2040 Sep	0.059778545	3.41513E-05	4.620248795	43.71711731	0.165732786	0.003553248	148.9399261	0.016767623	0.004887877	0.000155815	0.003148469	0.001158187	0.509778619	1.79928E-06	0.001018229	0.001675421	0.003433555	0.006850875
2040 Oct	0.059673011	3.41768E-05	4.622900963	43.74736404	0.165728375	0.003557084	148.7579651	0.016779212	0.004895786	0.000154672	0.003150313	0.001158937	0.510070384	1.80063E-06	0.001019065	0.001675054	0.003434088	0.006855994
2040 Nov	0.059702352	3.41962E-05	4.625428677	43.77077866	0.165807411	0.003559148	148.8136444	0.01678822	0.004899973	0.000154652	0.003151959	0.001159553	0.51034379	1.8018E-06	0.001019626	0.001675837	0.003435874	0.006859665
2040 Dec	0.059707504	3.41976E-05	4.62561655	43.77225494	0.165813103	0.003559283	148.8186035	0.016788797	0.004900526	0.000154658	0.003152061	0.001159591	0.510362864	1.80193E-06	0.001019662	0.001675897	0.003436022	0.006859886
2041 Jan	0.059711266	3.41978E-05	4.625648499	43.77229309	0.165814519	0.003559288	148.8185883	0.01678881	0.004900755	0.000154665	0.00315206	0.001159592	0.510365486	1.80196E-06	0.001019662	0.001675913	0.003436043	0.006859879
2041 Feb	0.059715476	3.41981E-05	4.625720501	43.77273941	0.165817916	0.003559321	148.8199615	0.016788978	0.004900933	0.000154675	0.003152089	0.001159603	0.510372818	1.802E-06	0.001019672	0.001675948	0.003436087	0.006859938
2041 Mar	0.059726268	3.42032E-05	4.626418114	43.77921677	0.165843382	0.003559846	148.8419037	0.016791461	0.004901728	0.000154703	0.003152554	0.001159774	0.510449469	1.80227E-06	0.001019822	0.001676205	0.003436601	0.006860946
2041 Apr	0.059756838	3.42201E-05	4.628706932	43.80080414	0.165925682	0.0035616	148.9152527	0.016799739	0.004904184	0.000154782	0.003154107	0.001160346	0.510701776	1.80317E-06	0.001020325	0.001677037	0.003438298	0.006864325
2041 May	0.059945051	3.43013E-05	4.640093803	43.90625381	0.166353658	0.003570063	149.1935577	0.016840016	0.004916187	0.000155444	0.00316165	0.001163139	0.511958599	1.80739E-06	0.00102276	0.001681349	0.003446488	0.006880686
2041 Jun	0.05892716	3.36176E-05	4.530400753	42.80182648	0.161882669	0.00347988	142.8701477	0.016430531	0.004929775	0.00014831	0.003087554	0.001134184	0.499050945	1.79736E-06	0.000997732	0.001645072	0.003404451	0.00670816
2041 Jul	0.056548588	3.33893E-05	4.487958908	42.53762436	0.159994632	0.003458201	138.2445374	0.016332692	0.00481748	0.000138378	0.003071624	0.001127241	0.494714588	1.77675E-06	0.000991942	0.001627116	0.003383243	0.006674015
2041 Aug	0.056767318	3.38044E-05	4.543241978	43.09902954	0.161923841	0.003504203	139.4614716	0.016547268	0.00484588	0.000138404	0.003111938	0.001142097	0.500973821	1.79395E-06	0.00100504	0.001645433	0.003421239	0.006763648
2041 Sep	0.056473069	3.4005E-05	4.570046425	43.40035248	0.162828565	0.003529526	139.6963501	0.016661443	0.004835349	0.000137019	0.003133344	0.001150037	0.504146934	1.79795E-06	0.001012095	0.001653163	0.003436427	0.006812832
2041 Oct	0.056196786	3.40252E-05	4.572397232	43.44322968	0.162833259	0.003534287	139.3156128	0.016677143	0.004827811	0.000135536	0.003136019	0.001151107	0.504492104	1.79642E-06	0.001013195	0.001652462	0.003435037	0.006820441
2041 Nov	0.056233622	3.40463E-05	4.575153828	43.46833038	0.162919194	0.00353651	139.3664703	0.016686812	0.004832754	0.000135527	0.003137779	0.001151767	0.504788339	1.79775E-06	0.001013797	0.001653317	0.003436994	0.006824359
2041 Dec	0.056240551	3.4049E-05	4.575517178	43.47151184	0.162931189	0.003536782	139.3766174	0.016688041	0.004833455	0.000135537	0.003138005	0.00115185	0.504826903	1.79794E-06	0.001013873	0.001653442	0.003437275	0.00682485
2042 Jan	0.05624466	3.40496E-05	4.575605869	43.47211075	0.162934586	0.003536833	139.3784332	0.016688272	0.004833723	0.000135545	0.003138045	0.001151866	0.504835844	1.798E-06	0.001013886	0.001653478	0.003437338	0.006824933
2042 Feb	0.056247842	3.40496E-05	4.575624466	43.47208023	0.162936002	0.003536827	139.3782196	0.016688256	0.004833834	0.000135553	0.00313804	0.001151864	0.504837394	1.79801E-06	0.001013885	0.001653492	0.003437344	0.006824917
2042 Mar	0.05625489	3.40528E-05	4.576066971	43.4761734	0.162952155	0.003537158	139.3912659	0.016689824	0.004834351	0.00013557	0.003138333	0.001151972	0.504885912	1.79819E-06	0.00101398	0.001653656	0.003437672	0.006825553
2042 Apr	0.056314114	3.40881E-05	4.580809593	43.52116776	0.163121298	0.003540818	139.5355072	0.016707096	0.004839391	0.000135713	0.00314158	0.001153164	0.505409002	1.80006E-06	0.001015029	0.001655373	0.003441232	0.006832615
2042 May	0.056671456	3.42093E-05	4.597943783	43.67385864	0.163770869	0.003553036	139.9301605	0.016765524	0.004861896	0.000136975	0.003152485	0.001157213	0.507274687	1.8071E-06	0.00101855	0.001662024	0.003453866	0.006856044
2042 Jun	0.056086585	3.38414E-05	4.540350437	43.10236359	0.161488682	0.00350595	135.8377228	0.016552787	0.00485584	0.000133602	0.003114074	0.001142222	0.500573397	1.799E-06	0.00100553	0.001643352	0.003430082	0.006766855
2042 Jul	0.055062287	3.37472E-05	4.520982742	42.97629929	0.160568088	0.003495713	132.8840485	0.016506858	0.004814656	0.000128805	0.003106403	0.001138924	0.498534471	1.79223E-06	0.001002801	0.001634344	0.003421204	0.006750412
2042 Aug	0.05386984	3.3739E-05	4.518161297	43.0177803	0.160229415	0.003501888	130.7998505	0.016521327	0.004749597	0.000123861	0.003108084	0.001140023	0.498480111	1.78338E-06	0.001003881	0.001626628	0.003408005	0.006760253
2042 Sep	0.053305242	3.37354E-05	4.516905308	43.02892685	0.160012379	0.003505274	129.6734619	0.016525086	0.004727941	0.000121088	0.00310796	0.001140305	0.498409837	1.78038E-06	0.001004277	0.001622358	0.003401132	0.006763344
2042 Oct	0.053011432	3.37135E-05	4.513754368	43.01535034	0.159818172	0.003505609	129.0112915	0.016519075	0.004718769	0.000119555	0.003106462	0.00113987	0.498132378	1.77707E-06	0.001004072	0.00161966	0.003395404	0.006761898
2042 Nov	0.053044099	3.37323E-05	4.516253471	43.03858948	0.159902304	0.003507569	129.0702515	0.016528016	0.004722267	0.000119596	0.003108121	0.001140483	0.498404562	1.77816E-06	0.00100462	0.00162051	0.003397251	0.006765536
2042 Dec	0.053048331	3.3734E-05	4.516475201	43.04052353	0.159909561	0.003507736	129.0760345	0.016528765	0.004722707	0.000119601	0.003108258	0.001140534	0.498428017	1.77828E-06	0.001004666	0.001620585	0.003397423	0.006765835
2043 Jan	0.053050406	3.3734E-05	4.51648283	43.04043961	0.159909993	0.00350773	129.0757141	0.016528733	0.004722829	0.000119605	0.00310825	0.001140532	0.498428315	1.7783E-06	0.001004664	0.00162059	0.003397426	0.006765814
2043 Feb	0.05305253	3.37341E-05	4.516498089	43.04045105	0.159911036	0.003507729	129.0756836	0.016528733	0.004722905	0.000119611	0.003108249	0.001140532	0.498429686	1.77831E-06	0.001004664	0.001620601	0.003397432	0.006765808
2043 Mar	0.053055629	3.37353E-05	4.516672134	43.04203033	0.159917459	0.003507857	129.0803986	0.016529338	0.00472312	0.000119618	0.003108362	0.001140573	0.49844867	1.77838E-06	0.001004701	0.001620666	0.00339756	0.006766052
2043 Apr	0.053101435	3.3764E-05	4.52052021	43.07865906	0.160053849	0.003510841	129.1902161	0.016543405	0.004727162	0.000119721	0.003111006	0.001141544	0.498873234	1.7799E-06	0.001005555	0.001622048	0.003400453	0.006771808
2043 May	0.053508252	3.38593E-05	4.534527779	43.19517517	0.160609066	0.003520029	129.4240723	0.016587926	0.004750019	0.000121289	0.003119249	0.001144637	0.500373185	1.78614E-06	0.001008216	0.00162781	0.003410783	0.006789245
2043 Jun	0.055538055	3.34145E-05	4.485814571	42.54557419	0.159458399	0.003463366	125.1289673	0.01633817	0.004801301	0.000132276	0.003071566	0.001127534	0.494414657	1.77886E-06	0.000992511	0.0016192	0.003378657	0.006678029
2043 Jul	0.055525292	3.36825E-05	4.519878864	42.90468597	0.160602644	0.003492583	125.1169434	0.016476063	0.004815598	0.000131453	0.003097768	0.001137043	0.498293847	1.78984E-06	0.001000933	0.001630247	0.003403829	0.006736066
2043 Aug	0.055478036	3.3965E-05	4.55736208	43.29590225	0.161875963	0.003525131	125.3790436	0.016625354	0.004824284	0.000130694	0.003125675	0.001147398	0.502579033	1.80011E-06	0.001010078	0.001641718	0.003427919	0.006799015
2043 Sep	0.055102665	3.40543E-05	4.569088459	43.44177246	0.16222553	0.003538006	124.9089966	0.016680336	0.004806798	0.000129076	0.0031358	0.001151239	0.504022658	1.80006E-06	0.001013521	0.001643868	0.00343236	0.006823408
2043 Oct	0.054983664	3.39963E-05	4.560613632	43.35451126	0.161802039	0.003532775	124.1840897	0.016646959	0.004815126	0.000127774	0.003128944	0.00114886	0.50303179	1.79858E-06	0.001011656	0.001639307	0.003424363	0.006809619
2043 Nov	0.054961272	3.39085E-05	4.548134327	43.21731567	0.161244899	0.003523288	123.5482559	0.016594857	0.004828244	0.000126861	0.00311857	0.001145176	0.501541495	1.79724E-06	0.001008618	0.001633697	0.0034146	0.006787543
2043 Dec	0.054966006	3.39095E-05	4.548250675	43.21805573	0.161247745	0.003523366	123.5503159	0.016595151	0.004828795	0.000126864	0.003118618	0.001145195	0.501552165	1.79735E-06	0.001008637	0.00163373	0.003414698	0.006787646
2044 Jan	0.05496943	3.39096E-05	4.548281193	43.21809006	0.161249071	0.003523372	123.5503464	0.016595168	0.004829003	0.00012687	0.003118618	0.001145195	0.501554608	1.79738E-06	0.001008638	0.001633744	0.003414717	0.006787641
2044 Feb	0.054976098	3.39117E-05	4.5485816	43.22074127	0.161260515	0.003523584	123.5578308	0.016596179	0.004829417	0.000126886	0.003118806	0.001145265	0.501587272	1.79751E-06	0.001008699	0.001633861	0.003414934	0.006788046
2044 Mar	0.054985464	3.39164E-05	4.549220562	43.22669601	0.161283582	0.003524068	123.5748062	0.016598463	0.004830145	0.000126908	0.003119234	0.001145422	0.501657486	1.79776E-06	0.001008837	0.001634094	0.003415409	0.006788975
2044 Apr	0.055005617	3.39282E-05	4.550812721	43.24176025	0.161340252	0.003525295	123.6178436	0.016604248	0.004831864	0.000126955	0.00312032	0.001145821	0.501832843	1.79839E-06	0.001009188	0.001634669	0.003416602	0.006791338
2044 May	0.055160392	3.40124E-05	4.562226295	43.3491478	0.161750749	0.003534018	123.9050903	0.016645443	0.004844288	0.00012737	0.003128053	0.001148667	0.503089786	1.80289E-06	0.001011689	0.00163883	0.003425112	0.006808139
2044 Jun	0.053004749	3.20562E-05	4.327968121	40.78228378	0.152227148	0.003322781	114.0952682	0.015670961	0.00480344	0.000122937	0.002942496	0.001081375	0.474105686	1.79774E-06	0.000951494	0.001548143	0.003273037	0.006396915
2044 Jul	0.04808823	2.83082E-05	3.907527685	36.0331192	0.134206727	0.002934079	99.93390656	0.013864826	0.004751622	0.000112924	0.002593949	0.000957095	0.420405209	1.82848E-06	0.00083967	0.001370653	0.002981137	0.005633682
2044 Aug	0.043167062	2.44788E-05	3.488924026	31.20803642	0.116002299	0.002539279	86.48979187	0.012015608	0.004696436	0.00010154	0.002238314	0.000830669	0.36641261	1.86628E-06	0.000725764	0.001189218	0.002684159	0.004855529
2044 Sep	0.038983602	2.16179E-05	3.180993319	27.63633537	0.10237658	0.002247825	75.96408081	0.010632358	0.00462503	9.09967E-05	0.001974479	0.000736753	0.326555967	1.87803E-06	0.00064131	0.001051258	0.002455142	0.004279949
2044 Oct	0.037342753	2.04253E-05	3.054514408	26.14034653	0.096665658	0.002125941	71.62799835	0.010052953	0.004620691	8.76853E-05	0.001863902	0.000697364	0.309899241	1.88309E-06	0.000605944	0.000993863	0.002359697	0.004038547
2044 Nov	0.037363287	2.04358E-05	3.05559063	26.1514492	0.096701406	0.002127027	71.62245178	0.010057246	0.004623055	8.76393E-05	0.001864671	0.000697649	0.310030252	1.88327E-06	0.000606223	0.000994207	0.002360368	0.004040306
2044 Dec	0.037365142	2.04363E-05	3.055667162	26.15201378	0.096703522	0.002127078	71.62398529	0.010057467	0.004623283	8.76413E-05	0.00186471	0.000697664	0.310037553	1.88334E-06	0.000606237	0.000994229	0.00236043	0.00404039
2045 Jan	0.037366197	2.04362E-05	3.055661201	26.15188026	0.096703462	0.002127068	71.62360382	0.010057416	0.004623333	8.76431E-05	0.001864699	0.00069766	0.310036689	1.88334E-06	0.000606234	0.000994229	0.002360424	0.004040366
2045 Feb	0.03736734	2.04362E-05	3.055664301	26.15184212	0.096703887	0.002127063	71.62345886	0.010057399	0.004623367	8.7646E-05	0.001864695	0.000697659	0.310036927	1.88334E-06	0.000606232	0.000994233	0.002360423	0.004040356
2045 Mar	0.037370402	2.04375E-05	3.055865288	26.1535244	0.096710429	0.002127199	71.62805939	0.010058045	0.004623687	8.76533E-05	0.001864815	0.000697704	0.310057282	1.88346E-06	0.000606271	0.000994301	0.002360576	0.004040613
2045 Apr	0.037379518	2.04423E-05	3.056582689	26.15964508	0.096733235	0.002127697	71.64480591	0.010060399	0.004624782	8.76748E-05	0.001865251	0.000697867	0.31013003	1.8839E-06	0.000606413	0.000994535	0.00236113	0.004041558
2045 May	0.037436482	2.04734E-05	3.061228275	26.19939041	0.096880294	0.002130929	71.75366211	0.010075685	0.004631815	8.78085E-05	0.001868085	0.000698927	0.310601354	1.88677E-06	0.000607334	0.000996047	0.002364718	0.004047698
2045 Jun	0.03744702	2.00047E-05	3.035419703	25.469244	0.094515808	0.002082603	69.53297424	0.009852901	0.004713633	8.66145E-05	0.00181672	0.00068034	0.303344935	1.94516E-06	0.000591774	0.00097744	0.002337068	0.003936523
2045 Jul	0.036697168	1.86523E-05	2.934095383	23.60212708	0.088102609	0.001947284	64.87532806	0.009224961	0.00483754	8.44345E-05	0.001681178	0.000632331	0.283879429	2.04856E-06	0.000550053	0.000919566	0.002244274	0.003644249
2045 Aug	0.034854844	1.71299E-05	2.775157452	21.67264938	0.080919981	0.001791732	59.69731522	0.008496544	0.004828005	7.99807E-05	0.001538965	0.000581907	0.262502968	2.07633E-06	0.000504776	0.000848361	0.002127593	0.003334095
2045 Sep	0.03330043	1.58613E-05	2.656089544	20.05688095	0.074965872	0.001664496	55.42565918	0.007890863	0.004837786	7.57715E-05	0.001419739	0.000539632	0.245026261	2.10816E-06	0.000467098	0.000789194	0.002030339	0.00307529
2045 Oct	0.032552715	1.52793E-05	2.597466469	19.3267498	0.072213121	0.001605095	53.49608612	0.007609027	0.004843691	7.45515E-05	0.00136574	0.000520431	0.236983314	2.11415E-06	0.000449825	0.000761635	0.001985052	0.002957307
2045 Nov	0.032561995	1.52822E-05	2.598085165	19.32997322	0.072226688	0.001605409	53.5073204	0.007610488	0.004845062	7.4568E-05	0.001365967	0.00052052	0.237027779	2.11479E-06	0.000449905	0.00076179	0.001985461	0.00295781
2045 Dec	0.032564864	1.52828E-05	2.598248005	19.33043098	0.072229221	0.001605473	53.50985336	0.007610774	0.004845484	7.4572E-05	0.001365999	0.000520533	0.237036109	2.11499E-06	0.000449919	0.000761823	0.001985551	0.002957886
2046 Jan	0.032566182	1.52828E-05	2.598295927	19.33036613	0.072229601	0.00160548	53.5103569	0.007610805	0.004845637	7.45739E-05	0.001365994	0.000520532	0.237036943	2.11507E-06	0.000449919	0.00076183	0.001985568	0.002957878

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.032567278	1.52829E-05	2.598336458	19.33043861	0.072230347	0.001605492	53.5109024	0.007610862	0.004845744	7.4576E-05	0.001365999	0.000520534	0.237038821	2.11512E-06	0.000449921	0.00076184	0.001985587	0.00295789
2046 Mar	0.032570757	1.52843E-05	2.598588705	19.33218956	0.072237149	0.001605641	53.51594543	0.007611568	0.004846231	7.45838E-05	0.001366123	0.000520582	0.237060845	2.11534E-06	0.000449962	0.000761913	0.001985773	0.002958158
2046 Apr	0.03258409	1.52905E-05	2.599637747	19.33992386	0.072266191	0.001606285	53.53746033	0.007614622	0.004848198	7.46142E-05	0.001366669	0.00052079	0.237155989	2.1162E-06	0.000450142	0.000762219	0.001986572	0.002959342
2046 May	0.032674611	1.53116E-05	2.604844332	19.36170578	0.072375946	0.001608642	53.61555481	0.007625716	0.004859273	7.48238E-05	0.001368222	0.000521404	0.237488091	2.1217E-06	0.000450714	0.000763518	0.001989601	0.002962838
2046 Jun	0.034926094	1.50556E-05	2.661181211	18.62235069	0.07101845	0.001582203	52.7399826	0.007503188	0.005154643	7.70184E-05	0.001318416	0.000503563	0.232417285	2.2793E-06	0.000437856	0.000762748	0.001994749	0.002858748
2046 Jul	0.035579056	1.44624E-05	2.629936218	17.62049675	0.067945078	0.001517201	50.23653412	0.007205938	0.005300641	7.68976E-05	0.001248011	0.000478129	0.222593755	2.35561E-06	0.000416697	0.000739957	0.001961397	0.002705826
2046 Aug	0.034483906	1.36966E-05	2.53655386	16.67827225	0.064286098	0.001436814	47.55037308	0.006830709	0.005268151	7.44516E-05	0.001178237	0.000453326	0.211768359	2.34941E-06	0.000394043	0.000702606	0.001900793	0.002552145
2046 Sep	0.03359925	1.30096E-05	2.457713842	15.79752922	0.060937814	0.001364382	45.025383	0.006484831	0.005251708	7.18361E-05	0.001113332	0.000430078	0.20195353	2.34369E-06	0.000373168	0.000668719	0.001844754	0.002409584
2046 Oct	0.033324152	1.26844E-05	2.421687841	15.35881329	0.059298389	0.001329359	43.81647873	0.006316086	0.005264683	7.10842E-05	0.001081081	0.000418493	0.197155431	2.34295E-06	0.000362907	0.000652631	0.00181816	0.002338729
2046 Nov	0.033383843	1.26891E-05	2.422881842	15.35546303	0.059302647	0.0013296	43.81209946	0.006316769	0.005270883	7.11078E-05	0.001080886	0.000418419	0.197165161	2.34476E-06	0.000362898	0.000652864	0.001818809	0.002338316
2046 Dec	0.033387166	1.26897E-05	2.42301631	15.35592461	0.059304971	0.001329655	43.81403732	0.006317019	0.005271329	7.11122E-05	0.001080919	0.000418432	0.197172984	2.34493E-06	0.000362911	0.000652895	0.001818907	0.002338386
2047 Jan	0.033388551	1.26898E-05	2.423037529	15.35583687	0.059305113	0.001329655	43.8141098	0.006317015	0.005271457	7.1114E-05	0.001080912	0.00041843	0.197173059	2.34497E-06	0.00036291	0.0006529	0.001818919	0.002338371
2047 Feb	0.033389878	1.26899E-05	2.423075438	15.35595512	0.059305977	0.001329668	43.81460953	0.006317079	0.005271579	7.11165E-05	0.00108092	0.000418433	0.197175339	2.34501E-06	0.000362913	0.000652911	0.001818945	0.002338388
2047 Mar	0.033396993	1.26924E-05	2.423559904	15.35895824	0.059317805	0.00132993	43.82326889	0.006318323	0.005272655	7.11315E-05	0.001081132	0.000418515	0.19721432	2.34549E-06	0.000362984	0.000653042	0.001819307	0.002338844
2047 Apr	0.033405602	1.26956E-05	2.424166679	15.36276436	0.059332632	0.001330261	43.83417892	0.006319894	0.005273988	7.11498E-05	0.0010814	0.000418619	0.197263449	2.34608E-06	0.000363074	0.000653206	0.001819761	0.002339423
2047 May	0.03378405	1.27103E-05	2.429106236	15.3468647	0.059420019	0.001330295	43.82058716	0.00632039	0.005301115	7.21505E-05	0.00108036	0.000418265	0.197345942	2.35346E-06	0.000362878	0.000654894	0.001822876	0.002336686
2047 Jun	0.03613735	1.26E-05	2.425212622	14.96294689	0.059028141	0.001306387	42.7484169	0.006212388	0.005437818	7.89261E-05	0.001053668	0.000408452	0.19456993	2.37703E-06	0.000354978	0.000656387	0.001819687	0.002274279
2047 Jul	0.035861708	1.22531E-05	2.381829977	14.5229702	0.057357162	0.001268294	41.48590851	0.006039172	0.005447591	7.90353E-05	0.001021081	0.000396942	0.189512447	2.37949E-06	0.000344368	0.000640026	0.00179502	0.002201652
2047 Aug	0.035107411	1.17802E-05	2.322355509	13.96164131	0.055122141	0.00121884	39.86380768	0.005808702	0.005422301	7.75314E-05	0.000979152	0.000382129	0.182965577	2.37377E-06	0.000330641	0.000616701	0.001758078	0.002109026
2047 Sep	0.034494642	1.13209E-05	2.264316082	13.39358044	0.052937046	0.001169857	38.18034744	0.005574429	0.005396543	7.61722E-05	0.000936926	0.000367015	0.176526815	2.35978E-06	0.000316862	0.000593795	0.001718899	0.002015644
2047 Oct	0.034310993	1.10981E-05	2.236062765	13.10365009	0.051848043	0.001145403	37.33660889	0.005456429	0.005396192	7.60019E-05	0.000915426	0.000359281	0.17329444	2.35216E-06	0.000309905	0.000582668	0.001699262	0.001968008
2047 Nov	0.034399681	1.11023E-05	2.236453056	13.09862614	0.051855348	0.001145336	37.31675339	0.005455594	0.005402136	7.61529E-05	0.000915086	0.00035915	0.173288271	2.35276E-06	0.000309835	0.0005829	0.001699617	0.001967155
2047 Dec	0.034403186	1.11029E-05	2.236564398	13.09905434	0.051857628	0.001145382	37.31823349	0.005455802	0.005402544	7.61597E-05	0.000915116	0.000359162	0.173295483	2.35289E-06	0.000309846	0.000582929	0.001699704	0.001967215
2048 Jan	0.034405131	1.11031E-05	2.236610889	13.0991993	0.051858678	0.001145398	37.31878281	0.005455877	0.00540273	7.61637E-05	0.000915125	0.000359166	0.173298389	2.35295E-06	0.00030985	0.000582943	0.00169974	0.001967234
2048 Feb	0.034407198	1.11035E-05	2.236690998	13.09959507	0.051860631	0.001145434	37.31996918	0.005456049	0.00540296	7.61684E-05	0.000915152	0.000359177	0.17330429	2.35304E-06	0.000309859	0.000582965	0.0016998	0.001967291
2048 Mar	0.034407884	1.11035E-05	2.23670578	13.09964275	0.051861029	0.001145439	37.32014084	0.005456073	0.005403016	7.617E-05	0.000915156	0.000359178	0.173305258	2.35306E-06	0.000309861	0.00058297	0.001699811	0.001967297
2048 Apr	0.034423433	1.11081E-05	2.237612963	13.1048975	0.051882565	0.001145901	37.33473206	0.005458272	0.005405241	7.62045E-05	0.000915523	0.000359322	0.173375696	2.354E-06	0.000309985	0.000583213	0.001700497	0.001968083
2048 May	0.03448344	1.11272E-05	2.241457462	13.12737274	0.051971935	0.001147867	37.39860916	0.005467638	0.005414551	7.63375E-05	0.000917093	0.000359938	0.17367357	2.35804E-06	0.000310517	0.000584218	0.001703418	0.001971457
2048 Jun	0.035811327	1.10435E-05	2.217879772	12.81567383	0.051246736	0.00112508	36.42712784	0.005362178	0.005491728	7.87325E-05	0.000896383	0.000351744	0.17077373	2.35421E-06	0.000303867	0.000581159	0.001698824	0.001920752
2048 Jul	0.036478039	1.07923E-05	2.17220211	12.35270405	0.049747825	0.001087119	34.99333954	0.005188709	0.005537768	8.00129E-05	0.000864051	0.000339551	0.165782318	2.3457E-06	0.000293263	0.000569229	0.001680495	0.001845074
2048 Aug	0.035951871	1.04641E-05	2.127771378	11.9540081	0.048139311	0.001051782	33.81093979	0.005023762	0.005517704	7.87337E-05	0.000834428	0.000329007	0.161091119	2.33862E-06	0.000283519	0.00055246	0.001654223	0.001779296
2048 Sep	0.035326488	1.01357E-05	2.084431648	11.56320953	0.046544809	0.001017181	32.65873718	0.004857925	0.005488861	7.71569E-05	0.000805322	0.000318569	0.156530499	2.32584E-06	0.000273922	0.000535395	0.001625907	0.001714913
2048 Oct	0.035083	9.97451E-06	2.062307358	11.36091423	0.045729693	0.000999574	32.05920792	0.004772343	0.005481712	7.66785E-05	0.000790334	0.000313141	0.15418908	2.31768E-06	0.000269004	0.000526871	0.001611258	0.001681639
2048 Nov	0.035160769	9.97792E-06	2.061959505	11.35378456	0.045717843	0.000999223	32.03439331	0.004770522	0.005487548	7.67497E-05	0.000789866	0.000312949	0.154144287	2.31782E-06	0.000268876	0.000526918	0.001611575	0.001680403
2048 Dec	0.035163529	9.97834E-06	2.062033415	11.35406494	0.045719288	0.000999252	32.03527069	0.004770656	0.005487877	7.67541E-05	0.000789885	0.000312957	0.154149175	2.31792E-06	0.000268883	0.000526938	0.001611643	0.00168044
2049 Jan	0.035164751	9.97841E-06	2.062044859	11.35405254	0.045719549	0.000999253	32.03527832	0.004770658	0.005487978	7.67561E-05	0.000789884	0.000312956	0.154149711	2.31794E-06	0.000268883	0.000526943	0.001611657	0.001680435
2049 Feb	0.035165653	9.97848E-06	2.062056303	11.35407162	0.045719918	0.000999256	32.0353508	0.004770671	0.005488042	7.67579E-05	0.000789886	0.000312957	0.154150471	2.31795E-06	0.000268884	0.000526948	0.001611667	0.001680436
2049 Mar	0.035168596	9.9792E-06	2.062206268	11.35487461	0.0457233	0.000999327	32.03762436	0.00477101	0.005488459	7.67643E-05	0.000789941	0.000312979	0.154161632	2.31812E-06	0.000268903	0.000526987	0.001611785	0.001680554
2049 Apr	0.035182126	9.98298E-06	2.062986612	11.35915756	0.045740638	0.000999704	32.04971695	0.00477281	0.005490547	7.67938E-05	0.000790239	0.000313097	0.154219925	2.319E-06	0.000269004	0.000527187	0.001612396	0.001681187
2049 May	0.035256512	9.99992E-06	2.066260099	11.3767271	0.045817278	0.001001268	32.09544373	0.004780271	0.005500128	7.6962E-05	0.000791471	0.000313581	0.154467523	2.32263E-06	0.000269425	0.000528094	0.001615051	0.001683753
2049 Jun	0.036304284	9.94277E-06	2.037555695	11.11326313	0.045088254	0.000980404	31.2191391	0.004683217	0.005557236	7.82152E-05	0.000774452	0.000306548	0.151814759	2.30903E-06	0.000263702	0.000524419	0.001611239	0.001640487
2049 Jul	0.036439449	9.76212E-06	2.001844406	10.81399059	0.043984421	0.00095445	30.25565338	0.004564926	0.00556655	7.82334E-05	0.000753498	0.000298618	0.148351625	2.29797E-06	0.000256681	0.00051479	0.001596909	0.001591476
2049 Aug	0.03594755	9.52971E-06	1.974797368	10.55782413	0.04290079	0.000931239	29.54463005	0.004457384	0.005557483	7.72136E-05	0.000734051	0.000291884	0.145309359	2.29985E-06	0.000250295	0.000503194	0.001580525	0.001548729
2049 Sep	0.035410661	9.27699E-06	1.941101313	10.26246452	0.041670807	0.000904892	28.6824913	0.004330701	0.005531448	7.58148E-05	0.000712024	0.000283976	0.141827762	2.28895E-06	0.000243013	0.000489904	0.001558411	0.00150008
2049 Oct	0.035215616	9.15326E-06	1.923393846	10.10560322	0.04102793	0.000891193	28.22047424	0.004264046	0.005525817	7.53652E-05	0.000700426	0.000279754	0.140000477	2.28176E-06	0.000239199	0.000483183	0.001546939	0.001474265
2049 Nov	0.035252921	9.15659E-06	1.923366666	10.10431957	0.041027959	0.000891176	28.21099854	0.004263707	0.00552883	7.53906E-05	0.000700361	0.000279717	0.140000805	2.28187E-06	0.000239186	0.000483267	0.001547285	0.001474003
2049 Dec	0.035255544	9.15704E-06	1.923447371	10.10466862	0.041029561	0.00089121	28.21199799	0.004263863	0.005529169	7.53947E-05	0.000700385	0.000279727	0.140006378	2.28198E-06	0.000239195	0.000483289	0.001547361	0.00147405
2050 Jan	0.03525671	9.15717E-06	1.923468113	10.10473156	0.041030031	0.000891217	28.212183	0.004263894	0.005529284	7.53966E-05	0.00070039	0.000279728	0.140007764	2.28201E-06	0.000239196	0.000483295	0.001547382	0.001474057
2050 Feb	0.035257414	9.15722E-06	1.923476577	10.10475063	0.04103031	0.000891219	28.2122345	0.004263903	0.005529336	7.53979E-05	0.000700391	0.000279729	0.14000836	2.28202E-06	0.000239197	0.000483299	0.001547391	0.001474058
2050 Mar	0.03525817	9.15735E-06	1.92350173	10.10486794	0.041030895	0.000891229	28.21256256	0.004263954	0.005529422	7.53995E-05	0.000700399	0.000279732	0.140010178	2.28205E-06	0.0002392	0.000483306	0.001547412	0.001474074
2050 Apr	0.035267659	9.15977E-06	1.924010277	10.10753059	0.041041773	0.000891464	28.2199955	0.004265078	0.005530892	7.54197E-05	0.000700584	0.000279806	0.140047178	2.28266E-06	0.000239263	0.000483435	0.001547822	0.001474462
2050 May	0.035321124	9.17139E-06	1.926350117	10.11937237	0.041093033	0.000892517	28.252491	0.004270119	0.005538255	7.55374E-05	0.000701408	0.000280134	0.140217289	2.28547E-06	0.000239545	0.000484055	0.001549776	0.00147616
2050 Jun	0.036186855	9.13509E-06	1.904922128	9.933115959	0.040610161	0.000877215	27.64035225	0.004199287	0.005583656	7.69124E-05	0.000689332	0.000275136	0.138373569	2.27471E-06	0.000235439	0.000481846	0.001547637	0.00144492
2050 Jul	0.036297753	8.9862E-06	1.873075008	9.684459686	0.039691497	0.000855414	26.84262276	0.004099834	0.005586372	7.69253E-05	0.000672011	0.000268515	0.135456592	2.2614E-06	0.000229598	0.000473739	0.001534481	0.001404305
2050 Aug	0.036123425	8.88016E-06	1.859872699	9.560949326	0.039172851	0.000844213	26.48309135	0.004048995	0.005587173	7.66706E-05	0.000662692	0.000265284	0.133980677	2.26315E-06	0.000226539	0.000468372	0.001527392	0.001383633
2050 Sep	0.036285847	8.89685E-06	1.859315157	9.556964874	0.039179064	0.000844104	26.42304611	0.004047718	0.00559828	7.679E-05	0.000662583	0.000265166	0.133989185	2.26268E-06	0.000226507	0.000468774	0.001528936	0.001382751
2050 Oct	0.036353342	8.90651E-06	1.860352159	9.561496735	0.039203949	0.00084459	26.42629051	0.004049797	0.00560509	7.68725E-05	0.000662933	0.000265289	0.134072393	2.26407E-06	0.000226633	0.000469169	0.001530286	0.001383315
2050 Nov	0.036366433	8.9095E-06	1.86095655	9.564551353	0.039216671	0.000844862	26.43462944	0.004051097	0.005607021	7.68986E-05	0.000663146	0.000265374	0.134115919	2.26481E-06	0.000226706	0.000469324	0.001530796	0.001383753
2050 Dec	0.036368467	8.90988E-06	1.861027002	9.564875603	0.039218102	0.000844893	26.4355278	0.004051239	0.005607293	7.69021E-05	0.000663168	0.000265383	0.134120867	2.26491E-06	0.000226714	0.000469342	0.00153086	0.001383798
2051 Jan	0.036369357	8.91001E-06	1.861048818	9.564965248	0.03921859	0.000844901	26.43577385	0.004051279	0.005607391	7.69037E-05	0.000663175	0.000265385	0.134122416	2.26493E-06	0.000226716	0.000469349	0.001530882	0.00138381
2051 Feb	0.036369987	8.91009E-06	1.861064315	9.565030098	0.039218981	0.000844907	26.43595123	0.004051307	0.005607455	7.6905E-05	0.000663179	0.000265387	0.134123519	2.26495E-06	0.000226718	0.000469354	0.001530896	0.001383818
2051 Mar	0.036371697	8.91047E-06	1.861142635	9.565424919	0.039220661	0.000844942	26.43704033	0.004051475	0.0056077	7.69085E-05	0.000663206	0.000265398	0.134129167	2.26505E-06	0.000226727	0.000469374	0.001530961	0.001383875
2051 Apr	0.036385041	8.91372E-06	1.86182034	9.568903923	0.039234962	0.000845249	26.44665146	0.004052948	0.005609747	7.69367E-05	0.000663448	0.000265495	0.134177998	2.26588E-06	0.000226809	0.000469545	0.001531519	0.001384377
2051 May	0.036500897	8.92732E-06	1.864013195	9.577250481	0.039291754	0.00084601	26.46656799	0.004056715	0.005620622	7.72209E-05	0.000664048	0.00026573	0.134336427	2.26879E-06	0.000227016	0.000470329	0.001533828	0.001385369
2051 Jun	0.038180608	8.94506E-06	1.842705846	9.399942398	0.03915086	0.000830736	25.79566956	0.003988127	0.005684843	8.13252E-05	0.000653118	0.000260887	0.132922575	2.24967E-06	0.000223129	0.000472439	0.001535121	0.001354114
2051 Jul	0.038623631	8.98567E-06	1.842667699	9.397965431	0.039242964	0.000830449	25.68565178	0.003987998	0.005711123	8.21923E-05	0.000653551	0.00026082	0.13304998	2.24955E-06	0.000223169	0.000474479	0.001540371	0.001353019
2051 Aug	0.038914345	9.02245E-06	1.845057607	9.41137886	0.039345484	0.000831683	25.65152931	0.003993835	0.005732371	8.27039E-05	0.000654715	0.00026118	0.133317873	2.25199E-06	0.000223539	0.000476019	0.00154483	0.001354551
2051 Sep	0.039135225	9.03519E-06	1.841244221	9.393374443	0.039321709	0.000830385	25.51301765	0.003986255	0.005739551	8.29529E-05	0.000653677	0.000260652	0.1331653	2.24665E-06	0.000223194	0.000476128	0.001544445	0.001351425
2051 Oct	0.039524756	9.02962E-06	1.829558015	9.319412231	0.039121505	0.000824934	25.21229362	0.003956284	0.005751153	8.32358E-05	0.000648741	0.000258568	0.132419407	2.23419E-06	0.000221638	0.000474737	0.001540062	0.00133919
2051 Nov	0.039591745	9.03241E-06	1.829006791	9.313671112	0.039110877	0.000824595	25.19013023	0.003954109	0.005755878	8.33036E-05	0.00064835	0.000258407	0.132381275	2.23396E-06	0.000221528	0.000474745	0.00154023	0.001338135
2051 Dec	0.039594367	9.03278E-06	1.829066753	9.31390667	0.039112106	0.000824619	25.19075966	0.003954215	0.005756182	8.33079E-05	0.000648366	0.000258413	0.132385448	2.23404E-06	0.000221534	0.000474762	0.001540291	0.001338165
2052 Jan	0.039595302	9.03283E-06	1.829069734	9.313879967	0.039112233	0.000824618	25.19067574	0.003954207	0.005756251	8.33094E-05	0.000648364	0.000258413	0.132385626	2.23405E-06	0.000221534	0.000474765	0.001540298	0.001338158
2052 Feb	0.039596669	9.03302E-06	1.829105735	9.314040184	0.039113119	0.000824632	25.19109917	0.003954275	0.005756394	8.33122E-05	0.000648375	0.000258417	0.132388264	2.2341E-06	0.000221537	0.000474776	0.001540331	0.001338179
2052 Mar	0.03960076	9.03389E-06	1.829280019	9.314914703	0.039116904	0.00082471	25.19345856	0.003954647	0.005756958	8.33208E-05	0.000648436	0.000258441	0.132400885	2.23431E-06	0.000221558	0.000474822	0.001540479	0.001338304
2052 Apr	0.039609067	9.03575E-06	1.829655528	9.316819191	0.039124969	0.000824879	25.19860458	0.003955455	0.005758148	8.33383E-05	0.000648568	0.000258494	0.13242808	2.23477E-06	0.000221603	0.00047492	0.001540795	0.001338577
2052 May	0.039855588	9.04687E-06	1.832314968	9.309280396	0.039186738	0.000824857	25.18860245	0.003954899	0.005775387	8.41706E-05	0.000648362	0.000258409	0.13262032	2.23766E-06	0.000222028	0.000475802	0.001542578	0.001336984
2052 Jun	0.045134738	8.88789E-06	2.027873039	8.540202141	0.040257979	0.000821313	25.83647346	0.003892891	0.006263763	0.000118279	0.000629732	0.000251067	0.144389287	2.40923E-06	0.000270317	0.000483857	0.001542802	0.001230713
2052 Jul	0.046149891	8.90598E-06	2.060071945	8.455365181	0.040540528	0.000823057	25.92295456	0.003893822	0.006356758	0.000123551	0.000628935	0.000250675	0.146455914	2.43825E-06	0.000277869	0.000486728	0.001547936	0.00121896
2052 Aug	0.046385795	8.94298E-06	2.06432271	8.48171711	0.040677793	0.000825387	25.93719864	0.003904479	0.006376797	0.000124013	0.000630815	0.000251377	0.146855354	2.44238E-06	0.000278484	0.000488409	0.001552532	0.001222535
2052 Sep	0.046568293	8.96017E-06	2.063995361	8.482944489	0.040717576	0.000825649	25.88094902	0.003904591	0.006386431	0.000124316	0.000630919	0.000251378	0.146925181	2.44114E-06	0.00027851	0.000488976	0.001553537	0.001222333
2052 Oct	0.046792652	8.96557E-06	2.069557667	8.465056419	0.040764436	0.000825948	25.88937378	0.003904228	0.006406494	0.000125335	0.000630609	0.000251249	0.14729844	2.44602E-06	0.00027986	0.000489461	0.001554407	0.001219669
2052 Nov	0.046809845	8.96814E-06	2.070221424	8.467048645	0.040776379	0.000826178	25.89668274	0.003905283	0.006408652	0.000125387	0.000630774	0.000251315	0.147344947	2.44679E-06	0.000279958	0.000489604	0.001554855	0.001219951
2052 Dec	0.046812464	8.96851E-06	2.070293427	8.467309952	0.040777851	0.000826205	25.89746284	0.003905406	0.006408953	0.000125393	0.000630793	0.000251323	0.147350043	2.44688E-06	0.000279967	0.000489623	0.001554917	0.001219986

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.04681363	8.96864E-06	2.070316792	8.467384338	0.040778395	0.000826213	25.89767456	0.003905441	0.006409065	0.000125396	0.000630799	0.000251325	0.147351697	2.44691E-06	0.00027997	0.000489631	0.001554938	0.001219994
2053 Feb	0.046815645	8.96895E-06	2.070387363	8.467661858	0.040779889	0.00082624	25.89851189	0.003905569	0.006409304	0.000125401	0.000630819	0.000251333	0.147356763	2.447E-06	0.000279979	0.000489649	0.001554993	0.001220033
2053 Mar	0.04682181	8.9701E-06	2.070650101	8.468729973	0.040785115	0.000826344	25.90177155	0.003906061	0.006410128	0.000125418	0.000630898	0.000251365	0.147375464	2.44731E-06	0.000280014	0.000489711	0.001555191	0.001220186
2053 Apr	0.0468404	8.97364E-06	2.071466446	8.472064972	0.040801227	0.000826669	25.91197014	0.0039076	0.006412661	0.000125467	0.000631147	0.000251464	0.147433594	2.44827E-06	0.000280124	0.000489905	0.001555804	0.001220666
2053 May	0.048556093	8.9761E-06	2.122451544	8.337298393	0.041364484	0.000829052	26.27552414	0.003916983	0.006559859	0.000135889	0.000629883	0.000251099	0.150846571	2.49247E-06	0.000291622	0.000495282	0.001562878	0.001199989
2053 Jun	0.057705056	8.8536E-06	2.4273386	7.472697735	0.044475429	0.000840606	27.96483994	0.003925324	0.007354579	0.000196021	0.000617721	0.000247064	0.170395136	2.74619E-06	0.000362305	0.000522449	0.001583119	0.001072437
2053 Jul	0.059142202	8.85918E-06	2.483189106	7.362593651	0.045047492	0.000845636	28.21617317	0.003934215	0.007496438	0.000205092	0.000617749	0.000247129	0.173879772	2.7948E-06	0.000374881	0.00052767	0.00159001	0.001057066
2053 Aug	0.059468135	8.90829E-06	2.493690968	7.40333271	0.045285571	0.000849765	28.31643105	0.003953512	0.00753057	0.000206097	0.000620921	0.000248373	0.174686626	2.80585E-06	0.000376451	0.000530447	0.001597635	0.001062796
2053 Sep	0.059656419	8.93797E-06	2.500444174	7.428735733	0.045431133	0.000852397	28.38420868	0.003965755	0.007551497	0.000206694	0.000622924	0.00024916	0.175197721	2.81297E-06	0.000377481	0.000532134	0.00160234	0.001066423
2053 Oct	0.059718285	8.94795E-06	2.502037525	7.437445641	0.045477543	0.000853189	28.3953743	0.003969405	0.007557014	0.000206859	0.000623557	0.000249402	0.175338104	2.81441E-06	0.000377727	0.000532673	0.001603661	0.001067648
2053 Nov	0.059743188	8.94989E-06	2.501649141	7.437963963	0.045483187	0.000853149	28.38511848	0.003969162	0.007557623	0.000206893	0.000623536	0.000249391	0.175326198	2.8139E-06	0.000377641	0.000532762	0.001603727	0.001067632
2053 Dec	0.059745535	8.95009E-06	2.501680613	7.438032627	0.045484036	0.000853157	28.38530731	0.003969198	0.007557821	0.0002069	0.000623541	0.000249393	0.175328478	2.81395E-06	0.000377643	0.000532773	0.001603759	0.001067636
2054 Jan	0.059746761	8.95016E-06	2.501689434	7.438044071	0.045484439	0.000853158	28.38530159	0.003969202	0.007557902	0.000206903	0.000623541	0.000249393	0.175329164	2.81396E-06	0.000377643	0.000532779	0.00160377	0.001067634
2054 Feb	0.059748307	8.95031E-06	2.501727104	7.438149452	0.045485329	0.00085317	28.38567162	0.003969257	0.007558042	0.000206907	0.00062355	0.000249397	0.175331876	2.814E-06	0.000377648	0.000532789	0.001603797	0.001067647
2054 Mar	0.059749085	8.95039E-06	2.501744986	7.43819809	0.045485765	0.000853175	28.38583946	0.003969282	0.007558111	0.00020691	0.000623553	0.000249398	0.175333187	2.81402E-06	0.00037765	0.000532795	0.00160381	0.001067653
2054 Apr	0.059769623	8.95344E-06	2.502596378	7.440727711	0.045501307	0.000853465	28.39548111	0.003970631	0.007560691	0.000206981	0.000623765	0.000249483	0.175392881	2.81498E-06	0.000377779	0.000532977	0.001604357	0.001068015
2054 May	0.05996526	8.96672E-06	2.504223108	7.446084023	0.045582097	0.00085381	28.39588737	0.003972651	0.007572584	0.000207607	0.000624075	0.000249617	0.175537214	2.81687E-06	0.000377833	0.000534025	0.001606413	0.001068264
2054 Jun	0.063255265	8.98844E-06	2.55792594	7.274557114	0.046718489	0.000852717	28.50764656	0.003963531	0.007782333	0.000225253	0.00062039	0.000248304	0.179295436	2.85648E-06	0.000389014	0.00054676	0.001617679	0.001036439
2054 Jul	0.065854572	9.01477E-06	2.64316988	7.129080772	0.047820516	0.000861624	28.99554033	0.003988844	0.00802133	0.000241616	0.000622267	0.000249075	0.184796229	2.92771E-06	0.000407826	0.000557943	0.001633443	0.001013272
2054 Aug	0.066277608	9.04938E-06	2.651552439	7.141235828	0.048027061	0.000863963	29.01560593	0.003998215	0.008053528	0.000243274	0.000623832	0.000249666	0.185466692	2.93445E-06	0.000409425	0.000560258	0.001638102	0.00101446
2054 Sep	0.066651218	9.07055E-06	2.66033268	7.138513565	0.048185982	0.000865725	29.04198647	0.004003907	0.008084972	0.000244982	0.000624627	0.000249979	0.186098546	2.94169E-06	0.000411247	0.00056195	0.001641314	0.001013556
2054 Oct	0.0673071	9.07929E-06	2.687165022	7.096542358	0.048450392	0.000869759	29.20879555	0.004013087	0.008159989	0.000249243	0.000625311	0.000250311	0.187770739	2.96449E-06	0.000417339	0.000564277	0.001645277	0.001007077
2054 Nov	0.067653917	9.08236E-06	2.702732801	7.072146893	0.048591979	0.000872082	29.31205559	0.004018275	0.00820225	0.000251592	0.00062568	0.000250498	0.188720703	2.97802E-06	0.000420853	0.000565489	0.001647476	0.001003398
2054 Dec	0.067658648	9.08287E-06	2.702854633	7.072445869	0.048594441	0.00087212	29.31320381	0.004018442	0.008202733	0.000251607	0.000625705	0.000250508	0.188729241	2.97816E-06	0.000420869	0.00056552	0.001647564	0.001003435
2055 Jan	0.06765978	9.08293E-06	2.702856541	7.072440624	0.048594728	0.000872118	29.31311989	0.004018437	0.008202799	0.000251609	0.000625704	0.000250507	0.188729465	2.97817E-06	0.000420868	0.000565524	0.001647572	0.00100343
2055 Feb	0.067660555	9.08296E-06	2.702860355	7.072446346	0.048595015	0.000872118	29.31310081	0.004018438	0.008202841	0.000251611	0.000625703	0.000250507	0.188729823	2.97818E-06	0.000420867	0.000565528	0.001647577	0.001003429
2055 Mar	0.067663223	9.08328E-06	2.702951908	7.072682858	0.048596777	0.000872147	29.3140583	0.004018571	0.008203134	0.000251621	0.000625724	0.000250516	0.188736275	2.97828E-06	0.000420881	0.000565548	0.001647635	0.001003461
2055 Apr	0.067682244	9.08581E-06	2.703703403	7.074647427	0.048610356	0.000872389	29.32218933	0.004019686	0.008205424	0.000251691	0.000625898	0.000250585	0.188788772	2.9791E-06	0.000420998	0.000565707	0.001648094	0.001003739
2055 May	0.067762785	9.09661E-06	2.706916332	7.083053589	0.048668154	0.000873426	29.35702324	0.004024463	0.008215179	0.00025199	0.000626641	0.000250883	0.189013124	2.98265E-06	0.000421498	0.000566379	0.001650053	0.001004931
2055 Jun	0.070540838	9.06491E-06	2.849746704	6.682016373	0.049141172	0.000888566	29.65128136	0.003996724	0.008649673	0.000270176	0.000621269	0.000248285	0.19617483	3.12064E-06	0.000455867	0.000571702	0.001668893	0.000946823
2055 Jul	0.071467288	9.03417E-06	2.929647923	6.469768524	0.049196482	0.000898933	29.64017677	0.003972649	0.008867736	0.000277139	0.000618405	0.000246781	0.199783713	3.19984E-06	0.000475537	0.00057209	0.001676117	0.000918606
2055 Aug	0.071750641	9.07695E-06	2.938054562	6.501556396	0.049385011	0.000902248	29.70788002	0.00398795	0.008897232	0.000277946	0.000620994	0.000247765	0.200435087	3.20868E-06	0.000476857	0.000574375	0.001682631	0.000923065
2055 Sep	0.071837507	9.0956E-06	2.935437441	6.513096809	0.049408536	0.000902434	29.65293312	0.003989329	0.008898764	0.000277749	0.000621457	0.000247888	0.2003607	3.20581E-06	0.000476291	0.00057487	0.001684017	0.000924453
2055 Oct	0.071893096	9.10475E-06	2.935831785	6.519163132	0.04943477	0.000902867	29.64849281	0.003991333	0.008903014	0.000277796	0.000621841	0.000248023	0.200419009	3.20623E-06	0.000476316	0.000575249	0.001685084	0.000925238
2055 Nov	0.071913429	9.10762E-06	2.936136007	6.52091074	0.049444329	0.000903024	29.64947891	0.00399204	0.008904845	0.000277831	0.000621965	0.000248068	0.200446367	3.20659E-06	0.000476352	0.000575383	0.001685476	0.00092546
2055 Dec	0.0719162	9.10802E-06	2.936182737	6.521162987	0.049445711	0.000903047	29.649683	0.003992144	0.008905101	0.000277836	0.000621983	0.000248075	0.200450465	3.20665E-06	0.000476359	0.000575402	0.001685531	0.000925492
2056 Jan	0.071917892	9.10816E-06	2.93620491	6.521204948	0.049446307	0.000903052	29.64979744	0.003992168	0.008905243	0.000277839	0.000621987	0.000248076	0.200452015	3.20668E-06	0.00047636	0.00057541	0.001685555	0.000925494
2056 Feb	0.071919292	9.10828E-06	2.936230659	6.521259785	0.049446963	0.000903059	29.6499958	0.003992199	0.008905358	0.000277843	0.000621991	0.000248078	0.200453863	3.20671E-06	0.000476363	0.000575419	0.001685575	0.000925499
2056 Mar	0.071922995	9.10871E-06	2.936365366	6.521557331	0.049449351	0.000903099	29.6513195	0.003992379	0.008905786	0.000277857	0.000622019	0.000248089	0.200463116	3.20686E-06	0.000476385	0.000575447	0.001685655	0.00092554
2056 Apr	0.071946859	9.11171E-06	2.937330008	6.523698807	0.049465664	0.000903395	29.66104126	0.00399369	0.008908723	0.000277948	0.000622223	0.00024817	0.200528979	3.20791E-06	0.000476541	0.000575637	0.00168621	0.000925843
2056 May	0.072350383	9.12821E-06	2.939063549	6.515965462	0.049571492	0.000902894	29.60785294	0.003989845	0.008932738	0.000279236	0.000621655	0.000247955	0.200630128	3.21058E-06	0.000476465	0.000577242	0.001689103	0.000923427
2056 Jun	0.074920677	9.12012E-06	3.009033203	6.324955463	0.0503041	0.00090984	29.10655403	0.003932538	0.009172734	0.000291976	0.000614385	0.000245397	0.203542992	3.27717E-06	0.000490762	0.000584924	0.001695558	0.000890245
2056 Jul	0.075473584	9.15891E-06	3.030292273	6.332110405	0.050585583	0.000915089	29.12794304	0.003941631	0.009236855	0.000294349	0.000616327	0.000246174	0.204729334	3.29864E-06	0.000494776	0.000588032	0.001702984	0.000890875
2056 Aug	0.075765982	9.1988E-06	3.035063028	6.361259937	0.05075806	0.000917439	29.14711952	0.003953216	0.009258956	0.000295081	0.000618387	0.000246947	0.205177665	3.3033E-06	0.000495388	0.000590144	0.001708274	0.000894696
2056 Sep	0.07596007	9.22579E-06	3.039743423	6.381567478	0.050882343	0.000919424	29.17877007	0.003962287	0.009276631	0.000295628	0.000619935	0.00024754	0.205562189	3.30798E-06	0.000496087	0.000591638	0.001712134	0.000897447
2056 Oct	0.075987406	9.23018E-06	3.034450054	6.383881092	0.050863173	0.000918518	29.10579491	0.003958964	0.009269146	0.000295334	0.000619556	0.00024736	0.205296099	3.30206E-06	0.000495053	0.000591571	0.001711297	0.000897434
2056 Nov	0.076008253	9.23239E-06	3.033713579	6.384803295	0.050865386	0.000918417	29.09378242	0.003958625	0.009269183	0.000295321	0.000619525	0.000247343	0.205263957	3.30129E-06	0.000494886	0.000591639	0.001711374	0.000897467
2056 Dec	0.076011829	9.23274E-06	3.033792734	6.384962559	0.050866995	0.000918439	29.09440804	0.00395872	0.009269534	0.000295331	0.000619539	0.000247349	0.205269396	3.30138E-06	0.000494897	0.00059166	0.001711434	0.000897484
2057 Jan	0.076013558	9.23288E-06	3.033821583	6.385019779	0.050867725	0.000918446	29.09459877	0.003958752	0.009269678	0.000295336	0.000619544	0.000247351	0.205271423	3.30142E-06	0.0004949	0.000591669	0.001711458	0.000897489
2057 Feb	0.076014735	9.23297E-06	3.033842802	6.385064125	0.050868295	0.000918451	29.09475327	0.003958777	0.009269771	0.00029534	0.000619547	0.000247352	0.205272973	3.30144E-06	0.000494902	0.000591676	0.001711474	0.000897493
2057 Mar	0.076021656	9.23378E-06	3.034104586	6.385614872	0.050872803	0.00091853	29.09723854	0.003959117	0.009270586	0.000295366	0.0006196	0.000247373	0.205290735	3.30173E-06	0.000494944	0.000591729	0.001711623	0.000897569
2057 Apr	0.076048367	9.23701E-06	3.035162926	6.387841702	0.050890613	0.00091885	29.10737228	0.003960497	0.009273827	0.00029547	0.000619816	0.00024746	0.205362365	3.30288E-06	0.000495117	0.000591936	0.001712221	0.000897881
2057 May	0.076227814	9.25216E-06	3.038202286	6.395382404	0.050974973	0.00091965	29.12753487	0.003964381	0.009288114	0.00029606	0.00062042	0.000247705	0.205587491	3.30642E-06	0.000495462	0.000593013	0.001714819	0.000898603
2057 Jun	0.079059131	9.30703E-06	3.117865801	6.286213875	0.051983129	0.000934668	28.92707634	0.003945023	0.009561176	0.000309946	0.000618933	0.000247469	0.209331572	3.38443E-06	0.000510888	0.000604211	0.001732757	0.000875191
2057 Jul	0.07984215	9.35234E-06	3.153951645	6.286818981	0.052384075	0.000944088	28.97456169	0.003957118	0.009662736	0.000313865	0.000621693	0.000248598	0.211217791	3.42028E-06	0.000518058	0.000608491	0.001743008	0.000874337
2057 Aug	0.080329932	9.41436E-06	3.17191577	6.331510067	0.05271475	0.000949953	29.13208199	0.003982341	0.0097185	0.000315668	0.000625778	0.000250206	0.212475449	3.43927E-06	0.000521	0.000612336	0.001753706	0.000880594
2057 Sep	0.080485813	9.43936E-06	3.175691843	6.352236748	0.052827198	0.000951823	29.15454865	0.003991012	0.009732115	0.000316079	0.000627312	0.000250783	0.21281071	3.4427E-06	0.000521589	0.000613673	0.001757049	0.000883494
2057 Oct	0.080518454	9.44698E-06	3.174146891	6.359158516	0.052843567	0.000951907	29.12909698	0.003991963	0.009730851	0.000315994	0.000627583	0.000250863	0.212771654	3.44068E-06	0.000521275	0.000613934	0.001757407	0.000884384
2057 Nov	0.080542147	9.44983E-06	3.174646378	6.360990047	0.052856311	0.000952097	29.13233757	0.003992815	0.00973302	0.000316059	0.000627725	0.000250918	0.212810859	3.44123E-06	0.000521344	0.000614096	0.001757838	0.000884615
2057 Dec	0.080546163	9.45024E-06	3.174751759	6.361196995	0.052858308	0.000952127	29.1332016	0.003992941	0.009733437	0.000316072	0.000627744	0.000250926	0.212818012	3.44135E-06	0.000521359	0.000614122	0.00175791	0.000884639
2058 Jan	0.080546878	9.45027E-06	3.174746513	6.361184597	0.052858435	0.000952124	29.13308525	0.003992931	0.009733468	0.000316073	0.000627742	0.000250925	0.212817729	3.44135E-06	0.000521357	0.000614124	0.001757915	0.000884635
2058 Feb	0.080547661	9.45032E-06	3.174755573	6.361203194	0.052858766	0.000952126	29.13312912	0.003992939	0.00973352	0.000316075	0.000627744	0.000250926	0.212818429	3.44136E-06	0.000521358	0.000614128	0.001757923	0.000884635
2058 Mar	0.080550045	9.45057E-06	3.174837589	6.361368179	0.052860238	0.00095215	29.13386345	0.003993042	0.009733785	0.000316084	0.00062776	0.000250932	0.212823987	3.44145E-06	0.000521371	0.000614146	0.001757971	0.000884657
2058 Apr	0.080567628	9.45262E-06	3.175523758	6.362742424	0.052871715	0.000952355	29.14014626	0.003993904	0.009735896	0.000316153	0.000627895	0.000250986	0.212870002	3.44219E-06	0.000521483	0.000614279	0.001758352	0.000884848
2058 May	0.081177108	9.47519E-06	3.180012226	6.369388103	0.053139102	0.00095299	29.17988014	0.003999379	0.009766853	0.000318943	0.000628486	0.000251295	0.213307053	3.44588E-06	0.000521721	0.000617542	0.001762929	0.000883522
2058 Jun	0.085777193	9.54626E-06	3.347997904	6.477539063	0.056479864	0.001002604	30.69642067	0.004149142	0.010136487	0.000354809	0.000649977	0.000261243	0.224351808	3.57493E-06	0.000554851	0.000648852	0.00179736	0.000882336
2058 Jul	0.086452231	9.57295E-06	3.399437189	6.518920898	0.057168886	0.001019148	31.02511024	0.004189	0.010229505	0.000361147	0.000656767	0.000264187	0.227366686	3.61893E-06	0.000565538	0.000654723	0.001806484	0.000887068
2058 Aug	0.086807325	9.61698E-06	3.408959389	6.552489758	0.057403401	0.001022692	31.09561729	0.004205078	0.010261739	0.00036237	0.000659476	0.000265241	0.228105947	3.62835E-06	0.000567011	0.000657454	0.001813224	0.000891572
2058 Sep	0.086926021	9.63371E-06	3.404479265	6.566405296	0.057451133	0.001022356	31.02519417	0.00420563	0.010258208	0.000362324	0.000659796	0.000265326	0.227964476	3.62284E-06	0.000565996	0.000658174	0.001813871	0.000893125
2058 Oct	0.086998589	9.6398E-06	3.40009594	6.568892479	0.057452228	0.00102146	30.96554184	0.004202879	0.010254445	0.000362215	0.000659445	0.000265171	0.227755055	3.61818E-06	0.000565028	0.000658365	0.001813619	0.000893057
2058 Nov	0.087026887	9.64259E-06	3.400343895	6.570483208	0.057464682	0.001021574	30.96554947	0.004203444	0.010256366	0.000362284	0.000659539	0.000265209	0.227780506	3.61846E-06	0.00056504	0.00065853	0.001813991	0.000893221
2058 Dec	0.087029509	9.64279E-06	3.400380611	6.570552826	0.057465684	0.001021583	30.96575928	0.004203482	0.010256581	0.000362292	0.000659545	0.000265211	0.227783144	3.61851E-06	0.000565043	0.000658544	0.001814026	0.000893225
2059 Jan	0.087030284	9.64281E-06	3.400369406	6.570531368	0.057465792	0.001021578	30.96557808	0.004203463	0.010256601	0.000362293	0.000659541	0.00026521	0.227782533	3.6185E-06	0.000565039	0.000658546	0.001814027	0.000893218
2059 Feb	0.087031186	9.64286E-06	3.400378942	6.570550919	0.05746619	0.00102158	30.96561813	0.004203473	0.010256656	0.000362296	0.000659542	0.00026521	0.227783278	3.61851E-06	0.00056504	0.000658551	0.001814036	0.000893219
2059 Mar	0.087031677	9.64289E-06	3.400383949	6.570561409	0.057466406	0.00102158	30.96563911	0.004203477	0.010256685	0.000362297	0.000659543	0.00026521	0.22778368	3.61851E-06	0.00056504	0.000658553	0.001814041	0.000893219
2059 Apr	0.087054178	9.64536E-06	3.401254892	6.572244644	0.057481196	0.001021842	30.97355461	0.004204553	0.010259321	0.000362391	0.000659712	0.000265278	0.227842063	3.61944E-06	0.000565185	0.000658723	0.001814506	0.000893447
2059 May	0.087386489	9.66034E-06	3.403531551	6.576978683	0.057619218	0.001022149	30.97228622	0.004206219	0.010276365	0.000363678	0.000659911	0.000265403	0.228043288	3.62173E-06	0.000565203	0.000660434	0.001817065	0.000893006
2059 Jun	0.089273632	9.7057E-06	3.463402748	6.625415325	0.05885746	0.001040948	31.34686089	0.004250724	0.010414515	0.000376208	0.000666613	0.000268732	0.231809542	3.66923E-06	0.000576339	0.000672051	0.001829599	0.000893026
2059 Jul	0.089883141	9.76686E-06	3.485699654	6.670334339	0.059268493	0.001048081	31.52636719	0.004277886	0.010478996	0.00037895	0.000671	0.000270509	0.233315468	3.6915E-06	0.000580139	0.000676619	0.001840737	0.000898786
2059 Aug	0.090316117	9.81748E-06	3.500827074	6.707696915	0.059562009	0.001053048	31.65573311	0.004298897	0.010525338	0.000380663	0.000674398	0.00027186	0.234382942	3.70701E-06	0.000582624	0.000679968	0.001849434	0.000903859
2059 Sep	0.090492286	9.84068E-06	3.502192736	6.726947784	0.059670053	0.001054248	31.64904213	0.004305149	0.010534737	0.000381067	0.000675549	0.000272295	0.234589815	3.70769E-06	0.000582698	0.000681272	0.001851996	0.000906326
2059 Oct	0.090483844	9.8305E-06	3.48054862	6.713496208	0.059514496	0.001048756	31.39805412	0.00428496	0.010498124	0.000379825	0.0006725	0.000271061	0.233369365	3.68492E-06	0.000578355	0.000679977	0.001846162	0.000903229
2059 Nov	0.090519905	9.83177E-06	3.478408575	6.712252617	0.059507169	0.001048188	31.37039375	0.004282835	0.010496866	0.000379777	0.000672157	0.000270928	0.233253092	3.68285E-06	0.000577867	0.000679982	0.001845888	0.000902809

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.09052223	9.83194E-06	3.478430033	6.712292671	0.059507929	0.001048192	31.37045288	0.004282853	0.010497041	0.000379783	0.000672159	0.000270929	0.233254701	3.68288E-06	0.000577868	0.000679993	0.001845913	0.000902809
2060 Jan	0.090524048	9.83206E-06	3.478456259	6.712344646	0.059508696	0.001048199	31.37060928	0.004282881	0.01049718	0.000379788	0.000672163	0.000270931	0.233256623	3.68291E-06	0.000577871	0.000680003	0.001845935	0.000902812
2060 Feb	0.090525739	9.83219E-06	3.478494406	6.712419033	0.059509594	0.001048209	31.37090874	0.004282924	0.010497322	0.000379794	0.000672169	0.000270934	0.233259305	3.68295E-06	0.000577876	0.000680013	0.001845959	0.000902819
2060 Mar	0.090530045	9.83263E-06	3.478645086	6.712710381	0.05951231	0.001048253	31.37223816	0.004283108	0.010497793	0.000379812	0.000672198	0.000270945	0.233269483	3.68311E-06	0.0005779	0.000680044	0.00184604	0.000902857
2060 Apr	0.090562947	9.83619E-06	3.479901314	6.715134621	0.059533872	0.001048632	31.38355255	0.004284654	0.010501591	0.000379949	0.000672441	0.000271043	0.233353749	3.68444E-06	0.000578109	0.000680291	0.001846708	0.000903183
2060 May	0.091463126	9.86351E-06	3.485808611	6.722718716	0.059913028	0.001049768	31.39016724	0.00428773	0.010542893	0.000383864	0.000672502	0.000271292	0.233885527	3.68863E-06	0.000578241	0.000684627	0.001851178	0.000900702
2060 Jun	0.095749311	9.9858E-06	3.644794703	6.860696793	0.062827967	0.00110132	32.45090103	0.004407623	0.010893261	0.000412357	0.00069011	0.000280153	0.243642122	3.8208E-06	0.000607869	0.000711027	0.001882455	0.000905542
2060 Jul	0.096534126	1.00488E-05	3.680653334	6.913398266	0.063404247	0.001113075	32.68526459	0.004441616	0.01097895	0.000416673	0.000695701	0.000282553	0.245865926	3.85477E-06	0.000614422	0.000716777	0.001894652	0.000911862
2060 Aug	0.096855372	1.00893E-05	3.684743166	6.946549892	0.063607678	0.001115446	32.69356918	0.004453568	0.010998333	0.000417556	0.000697816	0.000283374	0.246318057	3.85784E-06	0.000614853	0.000719131	0.001899476	0.000916128
2060 Sep	0.096925355	1.00915E-05	3.66574049	6.944074631	0.063524976	0.001111145	32.45451355	0.004437952	0.010966678	0.00041665	0.000695501	0.000282478	0.245308354	3.83724E-06	0.000610904	0.000718395	0.001894939	0.000914492
2060 Oct	0.097212307	1.01085E-05	3.689274311	6.964126587	0.063777171	0.001120317	32.5887146	0.004454867	0.0110101	0.000418961	0.000698092	0.000283782	0.246614218	3.85808E-06	0.000615761	0.000720009	0.001897839	0.000916282
2060 Nov	0.097331196	1.01148E-05	3.702818632	6.973495483	0.063902877	0.001125452	32.67564774	0.004464385	0.011033282	0.000420173	0.000699535	0.000284503	0.247350231	3.87015E-06	0.000618615	0.000720727	0.001899263	0.000917173
2060 Dec	0.097336344	1.01152E-05	3.70293355	6.973712444	0.063905336	0.001125485	32.67650604	0.004464515	0.011033757	0.00042019	0.000699554	0.000284511	0.247358173	3.87028E-06	0.000618631	0.000720757	0.001899339	0.000917194
2061 Jan	0.09733744	1.01153E-05	3.702926874	6.973701	0.063905582	0.001125481	32.67635727	0.004464501	0.011033803	0.000420192	0.000699551	0.00028451	0.247357905	3.87027E-06	0.000618628	0.000720761	0.001899343	0.000917188
2061 Feb	0.097338334	1.01153E-05	3.702930212	6.973709106	0.063905917	0.001125481	32.67633057	0.004464501	0.011033845	0.000420195	0.000699551	0.00028451	0.247358292	3.87028E-06	0.000618627	0.000720765	0.001899349	0.000917186
2061 Mar	0.097341008	1.01155E-05	3.703015089	6.973870277	0.063907534	0.001125506	32.67705154	0.004464602	0.011034116	0.000420205	0.000699566	0.000284516	0.247364014	3.87037E-06	0.00061864	0.000720783	0.001899394	0.000917206
2061 Apr	0.097375043	1.01191E-05	3.704300404	6.976291656	0.063929811	0.001125896	32.68837738	0.00446615	0.011037956	0.000420352	0.000699809	0.000284615	0.247449934	3.87171E-06	0.000618855	0.000721035	0.001900055	0.000917523
2061 May	0.098431967	1.01449E-05	3.75847578	7.015231133	0.064725444	0.001144791	33.02655792	0.004502478	0.011136717	0.000428291	0.000705079	0.000287446	0.250549674	3.9178E-06	0.000629387	0.000727182	0.001907007	0.000918885
2061 Jun	0.099119619	1.00075E-05	3.952131987	7.05323267	0.066346928	0.001216249	33.260746	0.004543609	0.011283673	0.000445481	0.000715632	0.000294266	0.259292424	4.07839E-06	0.000671589	0.00073156	0.001890862	0.000918682
2061 Jul	0.099457219	1.00407E-05	3.982013464	7.08831358	0.066687696	0.001226828	33.32915497	0.004561744	0.011333036	0.000447688	0.000719343	0.000295912	0.260867625	4.10678E-06	0.000677472	0.00073434	0.001896885	0.000923584
2061 Aug	0.099935472	1.00934E-05	3.998945951	7.128298759	0.067015044	0.001232501	33.4636116	0.004584052	0.011382644	0.000449682	0.000722961	0.000297376	0.262043864	4.12369E-06	0.0006803	0.000737958	0.001905817	0.000928877
2061 Sep	0.100081317	1.01152E-05	4.00071764	7.148253918	0.067120746	0.001233855	33.46534729	0.004590991	0.011390808	0.000450039	0.000724213	0.000297854	0.262275875	4.12461E-06	0.000680496	0.000739163	0.001908186	0.000931581
2061 Oct	0.099973164	1.01039E-05	3.978126287	7.137461662	0.066940099	0.001227996	33.23582458	0.004572604	0.011349155	0.000448398	0.000721406	0.000296688	0.261034906	4.10092E-06	0.000676025	0.000737556	0.001902175	0.000929416
2061 Nov	0.099971525	1.01013E-05	3.971438408	7.132623196	0.066887923	0.001226144	33.16652298	0.004566522	0.011339099	0.000447981	0.000720429	0.000296295	0.260661155	4.0942E-06	0.000674645	0.000737132	0.001900558	0.000928413
2061 Dec	0.099975429	1.01016E-05	3.971506357	7.132749557	0.066889592	0.001226163	33.16695404	0.004566594	0.011339427	0.000447993	0.000720438	0.000296299	0.260665923	4.09428E-06	0.000674653	0.000737153	0.001900607	0.000928422
2062 Jan	0.099977106	1.01017E-05	3.971520424	7.132777691	0.066890217	0.001226165	33.16698456	0.004566604	0.011339535	0.000447998	0.000720439	0.0002963	0.260667056	4.0943E-06	0.000674653	0.000737161	0.001900623	0.000928421
2062 Feb	0.099978939	1.01018E-05	3.971560001	7.132852077	0.066891171	0.001226176	33.16727066	0.004566647	0.011339683	0.000448004	0.000720446	0.000296302	0.260669857	4.09434E-06	0.000674659	0.000737172	0.001900646	0.000928428
2062 Mar	0.099989474	1.01029E-05	3.971960783	7.133573532	0.066898085	0.001226299	33.17058945	0.004567106	0.011340845	0.000448051	0.000720518	0.000296332	0.260696262	4.09476E-06	0.000674726	0.000737248	0.00190084	0.000928521
2062 Apr	0.100026481	1.01066E-05	3.97342062	7.136196136	0.066922769	0.001226749	33.18276215	0.004568784	0.011345023	0.000448216	0.000720782	0.000296441	0.260792077	4.09626E-06	0.000674973	0.00073752	0.00190154	0.000928861
2062 May	0.100129239	1.0117E-05	3.977496624	7.143517971	0.066991463	0.001228007	33.21679306	0.00457347	0.011356668	0.000448676	0.000721522	0.000296745	0.261059672	4.10046E-06	0.000675666	0.000738278	0.001903491	0.000929814
2062 Jun	0.098873258	1.00552E-05	4.039841175	7.087095261	0.066413172	0.001255524	32.87663269	0.004549132	0.011376554	0.000445033	0.000722236	0.000297098	0.262332231	4.16732E-06	0.000691841	0.000730026	0.001898364	0.000923572
2062 Jul	0.097405024	9.99906E-06	4.104812622	7.052398205	0.06587375	0.001283541	32.58226013	0.004533787	0.011388218	0.000440667	0.000724649	0.000298045	0.263878316	4.23552E-06	0.000708654	0.000721798	0.00189355	0.000922526
2062 Aug	0.097563744	1.00308E-05	4.098705769	7.071927547	0.065911278	0.001282871	32.50515747	0.004536124	0.011389534	0.000440281	0.000725275	0.000298195	0.263689488	4.2296E-06	0.000707199	0.000722676	0.001896078	0.000924952
2062 Sep	0.096883833	1.00168E-05	4.11716938	7.070849895	0.065657847	0.001292698	32.39532089	0.004533667	0.011379641	0.000437714	0.000726425	0.00029867	0.26408267	4.24799E-06	0.00071245	0.000718671	0.001892608	0.00092676
2062 Oct	0.092278562	9.78514E-06	4.213269711	6.962048054	0.06380599	0.001340459	31.75223541	0.004479014	0.011261117	0.000422221	0.000725255	0.000298726	0.265242428	4.34251E-06	0.000741096	0.000689885	0.001852677	0.000923569
2062 Nov	0.092095956	9.7757E-06	4.216585636	6.955523014	0.063713431	0.001342252	31.71172714	0.004475218	0.011256889	0.000421457	0.000724931	0.000298633	0.265235692	4.34616E-06	0.00074211	0.000688545	0.001850807	0.00092308
2062 Dec	0.092099458	9.77603E-06	4.216677666	6.955676079	0.063715003	0.00134228	31.71233749	0.004475313	0.011257261	0.000421467	0.000724945	0.000298639	0.265241593	4.34627E-06	0.000742124	0.000688564	0.001850864	0.000923095
2063 Jan	0.092100717	9.77613E-06	4.216691017	6.955700397	0.063715391	0.001342284	31.71238708	0.004475325	0.011257363	0.00042147	0.000724946	0.00029864	0.265242547	4.34629E-06	0.000742125	0.00068857	0.001850879	0.000923095
2063 Feb	0.092102163	9.77625E-06	4.21672821	6.955765247	0.063716151	0.001342295	31.71263695	0.004475364	0.011257496	0.000421475	0.000724952	0.000298642	0.26524505	4.34633E-06	0.00074213	0.000688578	0.0018509	0.000923102
2063 Mar	0.092104577	9.77649E-06	4.216823101	6.95592308	0.063717686	0.001342324	31.71333313	0.004475464	0.011257767	0.000421485	0.000724968	0.000298649	0.2652511	4.34643E-06	0.000742146	0.000688595	0.001850944	0.000923122
2063 Apr	0.092123181	9.77845E-06	4.217666149	6.957314014	0.063730486	0.001342592	31.71966171	0.004476358	0.011260026	0.000421569	0.000725113	0.000298709	0.265304148	4.34729E-06	0.000742294	0.000688734	0.001851315	0.000923306
2063 May	0.092010751	9.76369E-06	4.225354671	6.943871498	0.063649468	0.001346024	31.58908653	0.004465455	0.011257347	0.000421048	0.000724025	0.000298424	0.265342057	4.35537E-06	0.000744145	0.000687207	0.001848117	0.000921321
2063 Jun	0.086986825	9.23683E-06	4.300315857	6.627573013	0.0613284	0.001381806	28.72864914	0.004206756	0.010882651	0.000403907	0.000698081	0.000289788	0.262026936	4.42292E-06	0.000768003	0.000649293	0.001753522	0.000885196
2063 Jul	0.085412443	9.12379E-06	4.321465015	6.575170994	0.060724478	0.001392185	28.05948448	0.004154951	0.010780886	0.0003983	0.000694482	0.00028844	0.261419415	4.44226E-06	0.000774931	0.000640004	0.00173381	0.000882207
2063 Aug	0.085822612	9.17232E-06	4.337938786	6.611233711	0.061006069	0.00139794	28.16234589	0.004174349	0.010826249	0.000399933	0.000697777	0.000289771	0.26249674	4.45894E-06	0.000777784	0.000643093	0.001741903	0.000887044
2063 Sep	0.085974626	9.19406E-06	4.335042	6.625124454	0.061062608	0.001397682	28.13378906	0.004177358	0.010831079	0.000399978	0.000698313	0.000289942	0.262465328	4.45599E-06	0.000776971	0.000644005	0.001743951	0.000888667
2063 Oct	0.085959017	9.19688E-06	4.323898792	6.625140667	0.060994793	0.001394766	28.05225182	0.00417198	0.010815917	0.000399229	0.000697432	0.000289527	0.261925787	4.44464E-06	0.000774698	0.000643625	0.001742493	0.000888417
2063 Nov	0.085978143	9.19913E-06	4.323000908	6.625993252	0.06099565	0.001394553	28.04482841	0.004171797	0.010816066	0.0003992	0.000697397	0.000289507	0.261890292	4.44379E-06	0.000774484	0.000643695	0.001742632	0.000888466
2063 Dec	0.085984126	9.19971E-06	4.323213577	6.626325607	0.060999002	0.00139462	28.04614258	0.004172001	0.010816723	0.000399223	0.00069743	0.000289521	0.261903435	4.44402E-06	0.00077452	0.000643733	0.001742736	0.000888505
2064 Jan	0.085985586	9.19981E-06	4.323230743	6.626357079	0.060999539	0.001394624	28.04621124	0.004172017	0.010816833	0.000399227	0.000697432	0.000289522	0.261904657	4.44405E-06	0.000774521	0.00064374	0.001742753	0.000888506
2064 Feb	0.085987613	9.19998E-06	4.323296547	6.62646246	0.06100072	0.001394643	28.0466156	0.00417208	0.010817032	0.000399234	0.000697442	0.000289527	0.261908859	4.44412E-06	0.000774532	0.000643753	0.001742785	0.000888518
2064 Mar	0.085998133	9.20108E-06	4.323805332	6.627244473	0.061008029	0.001394807	28.04990196	0.004172571	0.010818323	0.000399282	0.000697524	0.000289561	0.261939764	4.44464E-06	0.000774622	0.000643831	0.001742992	0.000888621
2064 Apr	0.086016938	9.20308E-06	4.32474041	6.628678799	0.061021291	0.001395108	28.05595779	0.004173473	0.010820672	0.000399369	0.000697675	0.000289623	0.261996448	4.4456E-06	0.000774789	0.000643971	0.001743371	0.000888813
2064 May	0.086257607	9.1998E-06	4.349337578	6.648752213	0.061331403	0.001404422	28.14155388	0.00418695	0.010830464	0.000402415	0.000700344	0.000290931	0.263248235	4.46496E-06	0.000779967	0.000646097	0.001744659	0.000890299
2064 Jun	0.08561305	9.03339E-06	4.495481014	6.718306541	0.062452126	0.00146205	28.1586647	0.004222128	0.010739817	0.000413622	0.000712393	0.000297139	0.269441277	4.57248E-06	0.00081389	0.000647787	0.001725817	0.000898836
2064 Jul	0.085943952	9.06896E-06	4.509217739	6.750001431	0.062703408	0.001467312	28.17673492	0.004235018	0.010765656	0.000415072	0.00071502	0.000298208	0.270274073	4.58498E-06	0.000816373	0.000650365	0.001731206	0.000902943
2064 Aug	0.086226031	9.10346E-06	4.509017944	6.775444031	0.062849931	0.001468016	28.16500854	0.004242964	0.010778718	0.000415652	0.000716412	0.000298718	0.270471632	4.58428E-06	0.000815955	0.000652235	0.001735048	0.000906075
2064 Sep	0.086238317	9.11287E-06	4.507546425	6.789694309	0.062877484	0.001469423	28.10881805	0.004244874	0.010765387	0.000415583	0.00071695	0.000298965	0.270431995	4.58069E-06	0.000815808	0.000652208	0.00173423	0.000907657
2064 Oct	0.086245827	9.11804E-06	4.519433498	6.802069664	0.062962398	0.001474319	28.16022873	0.004253202	0.010773181	0.000416231	0.00071851	0.00029967	0.271029562	4.59108E-06	0.000818437	0.000652525	0.001735286	0.000909395
2064 Nov	0.086276643	9.1212E-06	4.520924568	6.804325104	0.062983736	0.001474803	28.16943932	0.004254604	0.01077689	0.000416374	0.000718745	0.000299769	0.271119446	4.59261E-06	0.000818704	0.000652749	0.001735881	0.000909689
2064 Dec	0.086280219	9.12153E-06	4.521046638	6.804514408	0.062985733	0.001474841	28.17015457	0.004254718	0.01077726	0.000416388	0.000718764	0.000299777	0.271126956	4.59274E-06	0.000818724	0.000652772	0.001735939	0.000909711
2065 Jan	0.086281195	9.12159E-06	4.521057129	6.804533958	0.062986113	0.001474843	28.17019463	0.004254727	0.010777328	0.00041639	0.000718765	0.000299777	0.271127731	4.59275E-06	0.000818724	0.000652776	0.001735949	0.000909711
2065 Feb	0.08628311	9.12176E-06	4.521131039	6.804648876	0.06298732	0.001474866	28.17064095	0.004254797	0.010777527	0.000416398	0.000718776	0.000299782	0.27113232	4.59283E-06	0.000818737	0.000652789	0.001735981	0.000909725
2065 Mar	0.086294681	9.12297E-06	4.521723747	6.805542946	0.062995672	0.001475059	28.17432785	0.004255354	0.010778952	0.000416454	0.00071887	0.000299821	0.271167934	4.59343E-06	0.000818844	0.000652876	0.00173621	0.000909843
2065 Apr	0.086327873	9.12647E-06	4.523455143	6.808149338	0.063019842	0.001475623	28.18510818	0.004256983	0.010783086	0.000416613	0.000719145	0.000299936	0.271271795	4.59519E-06	0.000819157	0.000653127	0.001736876	0.000910191
2065 May	0.086770736	9.14491E-06	4.531033516	6.823100567	0.06326589	0.00147822	28.25116539	0.004266068	0.010801695	0.000418969	0.000720359	0.000300552	0.271837264	4.60094E-06	0.000820234	0.000655642	0.001740223	0.000910562
2065 Jun	0.087483764	9.11594E-06	4.6789608	6.963382244	0.064942993	0.001535588	28.96983337	0.004365373	0.010826751	0.000434972	0.000738845	0.000309287	0.279552609	4.7145E-06	0.000852518	0.000665189	0.001744957	0.000925587
2065 Jul	0.087795153	9.15341E-06	4.725856304	7.019667625	0.065427884	0.001552907	29.14125443	0.004398203	0.010873669	0.000438347	0.000745371	0.000312093	0.282010972	4.75676E-06	0.000862231	0.000668852	0.001753248	0.000933569
2065 Aug	0.088213548	9.20304E-06	4.741368294	7.059328079	0.065725662	0.00155862	29.23219109	0.004417992	0.01091509	0.000440027	0.000748774	0.000313467	0.283065021	4.77179E-06	0.000864896	0.000672066	0.001761055	0.000938852
2065 Sep	0.088240705	9.21284E-06	4.716450214	7.062736988	0.065617464	0.001551827	29.06197166	0.004407501	0.010883677	0.000438648	0.00074696	0.000312621	0.281917244	4.74618E-06	0.000859671	0.000671634	0.001758248	0.000938708
2065 Oct	0.087806463	9.20649E-06	4.762572765	7.109218597	0.065742761	0.001574806	29.35567856	0.004445425	0.01088371	0.000439949	0.000753324	0.000315596	0.284188479	4.7824E-06	0.000871103	0.000669832	0.001756422	0.000945112
2065 Nov	0.08770673	9.20605E-06	4.779006958	7.121171951	0.065792918	0.001582038	29.4499054	0.004456613	0.010891381	0.000440447	0.000755251	0.000316499	0.284976542	4.79648E-06	0.00087498	0.000669458	0.001756622	0.000946876
2065 Dec	0.087709405	9.20626E-06	4.77903986	7.121230125	0.065793805	0.001582047	29.45004082	0.004456643	0.010891602	0.000440453	0.000755254	0.000316501	0.284978867	4.79653E-06	0.000874982	0.00066947	0.001756653	0.000946877
2066 Jan	0.087711304	9.20639E-06	4.779071808	7.121284962	0.065794609	0.001582056	29.45019722	0.004456672	0.010891754	0.000440459	0.000755258	0.000316503	0.284981072	4.79656E-06	0.000874986	0.000669479	0.001756676	0.000946881
2066 Feb	0.087715559	9.20679E-06	4.779258728	7.121569157	0.065797471	0.001582116	29.45132637	0.004456846	0.01089222	0.000440478	0.000755287	0.000316515	0.284992427	4.79675E-06	0.000875019	0.000669509	0.001756749	0.000946916
2066 Mar	0.08773353	9.20865E-06	4.780213356	7.122993946	0.065810762	0.001582431	29.45719337	0.004457735	0.010894416	0.000440567	0.000755438	0.000316578	0.285049438	4.79771E-06	0.000875193	0.000669645	0.001757103	0.000947104
2066 Apr	0.087756753	9.21107E-06	4.781464577	7.124860287	0.06582807	0.001582845	29.46489525	0.004458902	0.01089728	0.000440683	0.000755635	0.000316661	0.285124123	4.79897E-06	0.000875422	0.000669821	0.001757564	0.000947351
2066 May	0.087885097	9.22169E-06	4.785466671	7.1315073 97	0.065900937	0.001584132	29.48731041	0.004462702	0.010908983	0.000441211	0.000756248	0.000316928	0.28537637	4.80305E-06	0.000876072	0.000670621	0.001759421	0.000948049
2066 Jun	0.086853936	9.1528E-06	4.89325285	7.13105011	0.065821558	0.001630353	29.30303383	0.004466584	0.010880931	0.000441757	0.000761956	0.000319958	0.288992614	4.89912E-06	0.000901999	0.000664273	0.001751554	0.000948074
2066 Jul	0.086772159	9.18137E-06	4.937409878	7.162666321	0.065973192	0.001647676	29.28655434	0.004482047	0.010913258	0.000442219	0.000766599	0.000321879	0.290828288	4.94243E-06	0.000911726	0.000664771	0.001757725	0.000953565
2066 Aug	0.087170772	9.23114E-06	4.953674793	7.201800346	0.066257842	0.001653727	29.3796711	0.004501979	0.010955628	0.000443797	0.000770051	0.000323268	0.291901559	4.95842E-06	0.000914591	0.000667844	0.00176563	0.000958835
2066 Sep	0.087269865	9.25174E-06	4.948431015	7.216681004	0.066288278	0.001652915	29.34278488	0.004504631	0.010956098	0.00044352	0.000770532	0.000323389	0.291764081	4.95296E-06	0.000913376	0.000668519	0.0017671	0.000960802
2066 Oct	0.087260649	9.25448E-06	4.93023777	7.209629059	0.066155963	0.001647489	29.2254715	0.004494315	0.010937641	0.000442286	0.000768683	0.000322557	0.290858895	4.93563E-06	0.000909565	0.000667774	0.001765045	0.000959395

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.087261677	9.25563E-06	4.925391674	7.207870483	0.066121086	0.001646054	29.19411278	0.004491603	0.010933084	0.000441956	0.000768193	0.000322336	0.290618926	4.93104E-06	0.000908545	0.000667584	0.00176454	0.000959028
2066 Dec	0.087267928	9.25623E-06	4.925640106	7.20824194	0.06612476	0.001646135	29.19553185	0.00449183	0.010933778	0.000441981	0.00076823	0.000322352	0.290633917	4.9313E-06	0.000908588	0.000667625	0.001764649	0.000959072
2067 Jan	0.087269887	9.25639E-06	4.925683975	7.208312511	0.066125646	0.001646148	29.19575691	0.00449187	0.010933951	0.000441987	0.000768236	0.000322355	0.290636688	4.93135E-06	0.000908594	0.000667636	0.001764676	0.000959078
2067 Feb	0.087273479	9.25673E-06	4.925844669	7.208552361	0.066128053	0.001646201	29.1966877	0.004492016	0.010934345	0.000442003	0.000768261	0.000322365	0.290646374	4.93152E-06	0.000908622	0.000667661	0.001764739	0.000959107
2067 Mar	0.087282367	9.25765E-06	4.926322937	7.209254742	0.066134609	0.00164636	29.19951057	0.004492452	0.010935429	0.000442047	0.000768335	0.000322397	0.290674686	4.932E-06	0.00090871	0.000667727	0.001764913	0.0009592
2067 Apr	0.087301224	9.25963E-06	4.927374363	7.210794926	0.066148795	0.001646711	29.20573616	0.004493411	0.010937775	0.000442142	0.000768499	0.000322465	0.290736765	4.93305E-06	0.000908903	0.000667871	0.001765292	0.000959404
2067 May	0.087659478	9.27778E-06	4.920406818	7.20846796	0.066210121	0.001643764	29.15102577	0.004488835	0.01094954	0.000442771	0.000767518	0.000322071	0.290459126	4.92761E-06	0.000906848	0.000669242	0.00176751	0.000957746
2067 Jun	0.088919282	9.33741E-06	4.96847105	7.259324551	0.066970348	0.001662113	29.32570457	0.004521055	0.011011054	0.000450202	0.000773277	0.000324773	0.293076068	4.96913E-06	0.000915932	0.000676743	0.001780401	0.000959433
2067 Jul	0.089513123	9.4002E-06	4.998620033	7.308889866	0.067403041	0.001672768	29.48274422	0.004549434	0.011075278	0.000453088	0.000778278	0.00032685	0.294867843	4.99857E-06	0.00092151	0.000681196	0.00179172	0.000965724
2067 Aug	0.089866318	9.44315E-06	5.003295898	7.33900547	0.067594536	0.001675017	29.50279617	0.004561235	0.011100759	0.00045398	0.0007803	0.000327625	0.295333594	5.00323E-06	0.000922004	0.000683538	0.001797312	0.000969512
2067 Sep	0.090007469	9.4645E-06	5.000025272	7.353840351	0.067650542	0.001674643	29.47771454	0.004564616	0.011105248	0.000453976	0.000780872	0.000327808	0.295298159	4.9998E-06	0.000921127	0.000684423	0.001799172	0.000971369
2067 Oct	0.089960806	9.46164E-06	4.971059799	7.339487076	0.067435652	0.001665789	29.29324913	0.004547035	0.011072058	0.000452084	0.000777704	0.00032642	0.293840975	4.97181E-06	0.000915097	0.000683023	0.001794873	0.000968738
2067 Nov	0.089987442	9.46334E-06	4.966156483	7.336757183	0.067404442	0.001664237	29.26098633	0.004543907	0.011069086	0.000451822	0.000777109	0.000326168	0.293597221	4.96733E-06	0.000914017	0.000682892	0.001794464	0.000968135
2067 Dec	0.089994907	9.46407E-06	4.9664464	7.337225914	0.067408919	0.001664333	29.26262856	0.004544183	0.01106989	0.000451852	0.000777155	0.000326187	0.293614924	4.96764E-06	0.000914067	0.000682941	0.001794592	0.000968191
2068 Jan	0.089997604	9.46429E-06	4.966517448	7.337339401	0.067410253	0.001664355	29.26300812	0.004544247	0.011070137	0.000451861	0.000777165	0.000326192	0.293619424	4.96771E-06	0.000914078	0.000682956	0.00179463	0.000968201
2068 Feb	0.090000741	9.46456E-06	4.966640949	7.337527275	0.067412235	0.001664394	29.26371002	0.00454436	0.011070456	0.000451874	0.000777184	0.000326199	0.293626964	4.96784E-06	0.000914099	0.000682977	0.00179468	0.000968223
2068 Mar	0.09001708	9.46625E-06	4.967515469	7.338822365	0.067424268	0.001664686	29.26885223	0.00454516	0.011072429	0.000451955	0.000777732	0.000326257	0.29367879	4.96871E-06	0.000914259	0.000683099	0.001795	0.000968393
2068 Apr	0.090080954	9.47295E-06	4.97102499	7.344009876	0.067471996	0.001665862	29.28952408	0.004548371	0.011080266	0.000452275	0.000777869	0.000326487	0.293886334	4.97223E-06	0.000914905	0.000683583	0.00179627	0.000969076
2068 May	0.090801187	9.51277E-06	4.99289465	7.374252319	0.067893848	0.001673434	29.46937561	0.004570393	0.011128708	0.000456185	0.000781032	0.000327967	0.295284688	4.99199E-06	0.00091869	0.000687857	0.001804214	0.000970889
2068 Jun	0.093227491	9.56291E-06	5.219673157	7.542427063	0.070398651	0.001756947	30.29737091	0.004691781	0.011271132	0.000480508	0.000804317	0.000339306	0.306664526	5.18384E-06	0.000965654	0.00070545	0.001826864	0.00098378
2068 Jul	0.093502015	9.59129E-06	5.238129616	7.56737709	0.07061661	0.001763956	30.27026939	0.004700506	0.011291143	0.000481862	0.000806679	0.000340299	0.307558477	5.20124E-06	0.00096927	0.000707475	0.001831541	0.00098686
2068 Aug	0.094006039	9.64584E-06	5.25975132	7.609246254	0.070968106	0.001771542	30.39223862	0.004723351	0.011344109	0.000484073	0.0008106	0.000341919	0.308916003	5.22262E-06	0.000973106	0.000711177	0.001840808	0.000992264
2068 Sep	0.094133392	9.66545E-06	5.25121212	7.621602058	0.07099025	0.001769468	30.33575821	0.004723632	0.011341847	0.000483766	0.000810624	0.000341857	0.308620691	5.21395E-06	0.000971134	0.000711856	0.001841805	0.000993708
2068 Oct	0.094211102	9.67287E-06	5.246670246	7.623203754	0.070988446	0.001768105	30.30534935	0.004722075	0.011342038	0.000483642	0.000810301	0.000341706	0.30843246	5.20976E-06	0.000970056	0.000712098	0.001842147	0.000993654
2068 Nov	0.094245501	9.67613E-06	5.247850895	7.625268936	0.071008362	0.001768499	30.31181335	0.004723235	0.011345459	0.000483777	0.000810493	0.000341787	0.30850625	5.21098E-06	0.000970253	0.000712319	0.001842704	0.000993892
2068 Dec	0.094251648	9.6767E-06	5.248105049	7.625646591	0.071012177	0.001768583	30.31324005	0.004723464	0.011346116	0.000483804	0.000810531	0.000341803	0.308521509	5.21124E-06	0.000970298	0.000712359	0.001842809	0.000993936
2069 Jan	0.094253324	9.67682E-06	5.248143673	7.625708103	0.071012974	0.001768594	30.31343651	0.004723499	0.011346255	0.000483809	0.000810537	0.000341806	0.308523983	5.21129E-06	0.000970303	0.000712369	0.00184283	0.000993941
2069 Feb	0.09425541	9.677E-06	5.248225212	7.625831127	0.071014307	0.00176862	30.31389236	0.004723572	0.011346461	0.000483818	0.000810549	0.000341811	0.30852896	5.21137E-06	0.000970318	0.000712383	0.001842863	0.000993956
2069 Mar	0.094256721	9.67712E-06	5.248279572	7.625912189	0.071015157	0.001768638	30.31419563	0.004723621	0.011346594	0.000483824	0.000810557	0.000341814	0.308532208	5.21142E-06	0.000970327	0.000712392	0.001842884	0.000993965
2069 Apr	0.094273478	9.67882E-06	5.249202251	7.627254009	0.071027711	0.001768948	30.31951904	0.004724451	0.011348598	0.00048391	0.0008107	0.000341874	0.308586478	5.21234E-06	0.000970497	0.000712518	0.001843209	0.000994139
2069 May	0.094455957	9.69587E-06	5.256742954	7.639441967	0.07114742	0.00177144	30.361866	0.004731557	0.011367338	0.000484736	0.000811903	0.000342382	0.309046596	5.21991E-06	0.000971817	0.000713787	0.001846309	0.000995614
2069 Jun	0.094956435	9.73814E-06	5.282875061	7.638994871	0.071275637	0.001782014	30.26443291	0.004732878	0.011386454	0.00048691	0.00081415	0.000343084	0.309869438	5.24971E-06	0.000977275	0.000716471	0.001858245	0.000992317
2069 Jul	0.095296688	9.79691E-06	5.33161974	7.688799858	0.071657047	0.001800364	30.41718674	0.004764775	0.011444405	0.000489576	0.000820963	0.0003458	0.312257051	5.29802E-06	0.000987461	0.00072091	0.00187157	0.000999109
2069 Aug	0.095601797	9.83971E-06	5.338338375	7.721475601	0.071851857	0.001803457	30.45105553	0.004778489	0.011469848	0.000490414	0.00082338	0.000346721	0.312824607	5.30448E-06	0.000988462	0.000722411	0.001877406	0.001003484
2069 Sep	0.095368348	9.84922E-06	5.337604046	7.732474804	0.071734965	0.00180603	30.4017868	0.00478074	0.011453046	0.000489013	0.000824209	0.000346961	0.312706113	5.30321E-06	0.000988929	0.000721109	0.001876985	0.001005423
2069 Oct	0.094596423	9.84579E-06	5.394958019	7.747881889	0.071561478	0.001832137	30.53133202	0.004802369	0.011459014	0.000487769	0.00082963	0.000349318	0.314857155	5.35917E-06	0.00100311	0.000716856	0.001878486	0.001009055
2069 Nov	0.094452552	9.84475E-06	5.406789303	7.747382164	0.071507573	0.001837433	30.54162979	0.004804567	0.011463229	0.000487387	0.00083035	0.000349675	0.315262944	5.3713E-06	0.001005977	0.000715778	0.001878507	0.001009225
2069 Dec	0.094456464	9.84511E-06	5.406895638	7.747544765	0.071509309	0.001837467	30.54217529	0.004804662	0.011463622	0.0004874	0.000830365	0.000349681	0.31526947	5.37142E-06	0.001005993	0.000715799	0.001878567	0.00100924
2070 Jan	0.094457284	9.84514E-06	5.406866655	7.747509956	0.071509242	0.001837456	30.54197311	0.004804637	0.011463651	0.000487399	0.000830359	0.000349679	0.315268801	5.37139E-06	0.001005986	0.000715801	0.001878569	0.001009231
2070 Feb	0.094457909	9.84516E-06	5.406853676	7.747497559	0.071509339	0.00183745	30.54188156	0.004804625	0.011463669	0.0004874	0.000830357	0.000349678	0.315267473	5.37138E-06	0.001005982	0.000715803	0.001878572	0.001009227
2070 Mar	0.094464146	9.84579E-06	5.407184601	7.747973919	0.071513861	0.001837561	30.54373741	0.004804919	0.011464395	0.00048743	0.000830407	0.000349699	0.315286845	5.37171E-06	0.001006043	0.000715848	0.00187869	0.001009288
2070 Apr	0.094500549	9.84956E-06	5.409224033	7.750925064	0.071541153	0.001838254	30.55524063	0.004806739	0.011468758	0.000487615	0.000830721	0.000349831	0.315406114	5.37374E-06	0.001006421	0.000716123	0.001879405	0.00100967
2070 May	0.094735742	9.8629E-06	5.422606945	7.754839897	0.071649089	0.001843184	30.53722954	0.004808316	0.011487694	0.000488627	0.000831341	0.000350212	0.315966725	5.3876E-06	0.001008976	0.000717018	0.001881798	0.001009341
2070 Jun	0.094628774	9.82228E-06	5.48870182	7.731342793	0.071708374	0.001869748	30.14799881	0.004784513	0.011473446	0.00048992	0.000831237	0.000350917	0.317859203	5.45197E-06	0.00102363	0.000714216	0.001875547	0.001004526
2070 Jul	0.095045827	9.87023E-06	5.505425453	7.766744614	0.071983039	0.001876013	30.20206261	0.004801096	0.011513398	0.000491493	0.000834338	0.000352175	0.318879843	5.46868E-06	0.001026585	0.000717217	0.001883166	0.001009057
2070 Aug	0.09541373	9.91552E-06	5.51660347	7.801270962	0.072221957	0.001880455	30.26039314	0.004817079	0.011546983	0.000492752	0.000837106	0.000353278	0.319676906	5.47959E-06	0.001028435	0.000719883	0.001889781	0.001013572
2070 Sep	0.095359519	9.922E-06	5.494870663	7.80033493	0.072067358	0.00187472	30.11095047	0.004806664	0.011520906	0.000491035	0.000835274	0.000352444	0.318624794	5.45826E-06	0.001023974	0.000718841	0.001886841	0.001013168
2070 Oct	0.095134102	9.91754E-06	5.523773193	7.805970669	0.072031878	0.001888073	30.09594917	0.004811069	0.011524116	0.000490793	0.000836894	0.000353383	0.319667101	5.48638E-06	0.001030784	0.000716813	0.001885231	0.001014064
2070 Nov	0.095106423	9.91839E-06	5.531917572	7.809283257	0.072049633	0.001891456	30.1076088	0.004813695	0.011528374	0.000490928	0.000837534	0.000353703	0.320004314	5.49423E-06	0.001032619	0.000716623	0.001885453	0.001014595
2070 Dec	0.095108517	9.91856E-06	5.531942368	7.809326649	0.072050273	0.001891463	30.10770226	0.004813718	0.011528553	0.000490933	0.000837537	0.000353704	0.320006073	5.49426E-06	0.00103262	0.000716632	0.001885478	0.001014595
2071 Jan	0.095109329	9.9186E-06	5.531928062	7.80931282	0.072050363	0.001891456	30.10760307	0.004813706	0.011528593	0.000490934	0.000837534	0.000353703	0.320005506	5.49426E-06	0.001032616	0.000716635	0.001885483	0.00101459
2071 Feb	0.095109895	9.91862E-06	5.531921864	7.809309006	0.072050497	0.001891453	30.10755348	0.0048137	0.011528614	0.000490935	0.000837533	0.000353703	0.320005298	5.49425E-06	0.001032614	0.000716637	0.001885485	0.001014588
2071 Mar	0.095111512	9.91877E-06	5.531995296	7.809414864	0.072051577	0.001891477	30.10794449	0.004813764	0.011528785	0.000490942	0.000837544	0.000353707	0.320009619	5.49432E-06	0.001032627	0.000716648	0.001885512	0.001014601
2071 Apr	0.095127478	9.92042E-06	5.532911301	7.810709953	0.072063573	0.00189179	30.11292648	0.004814561	0.011530706	0.000491024	0.000837682	0.000353766	0.320062667	5.49523E-06	0.001032798	0.000716767	0.001885826	0.001014768
2071 May	0.095306695	9.91964E-06	5.547739983	7.808640003	0.072155111	0.001897605	30.05324364	0.004811453	0.011538197	0.000492074	0.000837662	0.000353997	0.320590049	5.50974E-06	0.001035777	0.000717011	0.001885417	0.001013443
2071 Jun	0.094893664	9.77222E-06	5.637431622	7.734018326	0.072226234	0.001931862	29.18628502	0.004742036	0.011446248	0.000494373	0.000832864	0.0003535	0.32255882	5.59507E-06	0.001055653	0.00071112	0.001861896	0.001001169
2071 Jul	0.094816327	9.7683E-06	5.664050102	7.743797302	0.07233236	0.001942183	29.0334301	0.004738927	0.011442063	0.000494765	0.000834276	0.000354225	0.323464811	5.62111E-06	0.001061427	0.000711039	0.001861529	0.001003127
2071 Aug	0.095198222	9.81445E-06	5.680020809	7.781270981	0.072609574	0.00194824	29.11476326	0.004757553	0.011480532	0.000496334	0.000837545	0.000355557	0.324500233	5.63651E-06	0.001064271	0.000713961	0.001868748	0.001008096
2071 Sep	0.095226169	9.82522E-06	5.656629562	7.782774448	0.072504289	0.001941226	28.9901371	0.004749034	0.011459286	0.000495	0.000835874	0.000354758	0.323458314	5.61338E-06	0.001059271	0.000713638	0.001866936	0.001007976
2071 Oct	0.09513174	9.82211E-06	5.64804554	7.778848171	0.072404474	0.001939253	28.90186691	0.00474211	0.011442772	0.000494008	0.000834822	0.000354316	0.322968394	5.60514E-06	0.001057614	0.000712682	0.001864626	0.001007428
2071 Nov	0.095094472	9.8184E-06	5.65122509	7.772736073	0.072359882	0.001940885	28.86031342	0.004738162	0.011441192	0.000493739	0.000834359	0.000354204	0.322984725	5.60921E-06	0.001058355	0.000711977	0.001863678	0.001006422
2071 Dec	0.095096491	9.81839E-06	5.651399612	7.77230072	0.072357967	0.001940964	28.85805511	0.004737913	0.011441424	0.000493733	0.000834323	0.000354194	0.322985768	5.60946E-06	0.001058389	0.00071195	0.001863659	0.001006338
2072 Jan	0.095098153	9.81848E-06	5.651394367	7.772305489	0.072358377	0.001940959	28.85799408	0.004737909	0.011441522	0.000493736	0.000834321	0.000354194	0.322985888	5.60946E-06	0.001058385	0.000711956	0.001863672	0.001006333
2072 Feb	0.095099159	9.81854E-06	5.651453972	7.772342682	0.072359011	0.00194098	28.85809898	0.004737932	0.011441615	0.00049374	0.000834326	0.000354196	0.322988778	5.60952E-06	0.001058396	0.000711961	0.001863684	0.001006336
2072 Mar	0.095101073	9.8187E-06	5.651539803	7.772458553	0.072360255	0.001941008	28.85850143	0.004738001	0.011441809	0.000493749	0.000834337	0.000354201	0.322993755	5.60961E-06	0.001058412	0.000711974	0.001863714	0.001006349
2072 Apr	0.095128894	9.82156E-06	5.65317297	7.774707794	0.072381295	0.001941569	28.86683846	0.004739371	0.011445133	0.000493892	0.000834578	0.000354303	0.323087215	5.61123E-06	0.001058717	0.000712181	0.001864255	0.00100664
2072 May	0.095270753	9.83618E-06	5.661543846	7.786266804	0.072488889	0.001944444	28.90956879	0.004746402	0.011462134	0.000494626	0.000835816	0.000354829	0.323566109	5.61954E-06	0.001060283	0.000713242	0.001867026	0.001008134
2072 Jun	0.094871745	9.83335E-06	5.685382366	7.746611118	0.072110817	0.001955587	28.55777931	0.004719644	0.011453331	0.000491721	0.000834307	0.000354181	0.323595554	5.65285E-06	0.001066092	0.000709331	0.001868088	0.001002859
2072 Jul	0.09490981	9.86408E-06	5.701462269	7.760780811	0.072130568	0.001962844	28.47591591	0.004722902	0.011469808	0.00049129	0.000836069	0.000354831	0.324166507	5.67174E-06	0.001069539	0.000709608	0.001872902	0.001005115
2072 Aug	0.094519325	9.88E-06	5.722441196	7.770035267	0.07198292	0.00197355	28.3578434	0.004723815	0.011463812	0.000489356	0.000837863	0.000355562	0.324737072	5.6957E-06	0.001074722	0.00070712	0.001874217	0.001007747
2072 Sep	0.093930028	9.88034E-06	5.750205994	7.771869659	0.071774669	0.00198707	28.24606895	0.004723174	0.011451756	0.000487076	0.000839506	0.000356353	0.325492322	5.72602E-06	0.001081647	0.000703256	0.001873087	0.001009741
2072 Oct	0.092495754	9.83303E-06	5.80527544	7.755188942	0.071283817	0.002013179	28.06732941	0.004715968	0.011410471	0.000482555	0.000841407	0.000357527	0.32689625	5.7841E-06	0.001095769	0.000694022	0.001864252	0.00101127
2072 Nov	0.092253216	9.8238E-06	5.813290596	7.750868797	0.071189679	0.002017128	28.03270912	0.004713805	0.011403011	0.000481716	0.000841511	0.000357643	0.327069551	5.79282E-06	0.001097867	0.000692375	0.001862446	0.001011285
2072 Dec	0.092255257	9.82399E-06	5.813318253	7.750913143	0.071190238	0.002017136	28.03281403	0.00471383	0.011403206	0.00048172	0.000841514	0.000357645	0.327071369	5.79286E-06	0.001097869	0.000692384	0.001862474	0.001011286
2073 Jan	0.092256226	9.82406E-06	5.813313961	7.750914097	0.071190417	0.002017134	28.03277779	0.004713828	0.011403273	0.000481721	0.000841512	0.000357644	0.327071339	5.79287E-06	0.001097867	0.000692387	0.001862483	0.001011283
2073 Feb	0.092257433	9.82415E-06	5.81334734	7.750963211	0.071191028	0.002017144	28.03292656	0.004713855	0.011403376	0.000481725	0.000841517	0.000357646	0.327073395	5.7929E-06	0.001097872	0.000692394	0.001862499	0.001011287
2073 Mar	0.092261136	9.82453E-06	5.813557625	7.751246452	0.071193717	0.002017217	28.03393555	0.004714026	0.01140381	0.000481743	0.000841547	0.000357659	0.327085316	5.79311E-06	0.001097911	0.00069242	0.001862569	0.001011323
2073 Apr	0.092320889	9.83088E-06	5.817308903	7.756249905	0.071239725	0.002018518	28.05202484	0.004717068	0.011411181	0.000482054	0.00084209	0.00035789	0.327296436	5.79685E-06	0.001098619	0.000692868	0.001863773	0.001011975
2073 May	0.092260785	9.81764E-06	5.836042881	7.759320736	0.071311489	0.00202724	28.11133957	0.004723319	0.011404324	0.000483167	0.000843219	0.000358656	0.328071713	5.81562E-06	0.001102815	0.000692241	0.001862264	0.001011657
2073 Jun	0.09147647	9.69862E-06	5.89752388	7.749223232	0.071457334	0.002055939	27.9849472	0.004717362	0.011298891	0.000485895	0.000844801	0.000360367	0.33006233	5.87387E-06	0.001117333	0.000687902	0.001845395	0.00100948
2073 Jul	0.091481388	9.71215E-06	5.928061485	7.785815716	0.071712099	0.002068664	27.99492645	0.004732882	0.011304974	0.000487256	0.000848689	0.000362089	0.331496269	5.90266E-06	0.001123885	0.000689214	0.001847953	0.001015235
2073 Aug	0.091819584	9.7556E-06	5.939599514	7.820024967	0.071942985	0.002073338	28.05014038	0.004748621	0.011336464	0.000488442	0.00085145	0.000363198	0.332295686	5.91382E-06	0.001125857	0.000691714	0.001854213	0.001019772
2073 Sep	0.091863513	9.77031E-06	5.925096512	7.828755379	0.071905471	0.002069258	27.98209	0.004746499	0.011325982	0.000487621	0.000850924	0.000362887	0.331716746	5.89913E-06	0.001122726	0.000691838	0.001853908	0.001020891

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.091702312	9.76069E-06	5.913314819	7.823739052	0.071769036	0.002067074	27.90453911	0.004739542	0.011299244	0.000486453	0.000849599	0.000362385	0.331085563	5.88768E-06	0.001120546	0.000690279	0.001849839	0.001020032
2073 Nov	0.091628402	9.75716E-06	5.923300743	7.829906464	0.071802288	0.002071609	27.93566513	0.004744353	0.011298166	0.000486744	0.000850579	0.000362881	0.331523776	5.89727E-06	0.001122853	0.000689985	0.001849442	0.001021011
2073 Dec	0.091634527	9.75775E-06	5.923573971	7.83027792	0.071805976	0.002071702	27.93692207	0.004744574	0.011298831	0.00048677	0.000850617	0.000362897	0.331539422	5.89755E-06	0.001122902	0.000690023	0.001849546	0.001021054
2074 Jan	0.091635913	9.75784E-06	5.923585415	7.830302238	0.071806438	0.002071704	27.93696213	0.004744585	0.011298932	0.000486773	0.000850618	0.000362898	0.331540376	5.89757E-06	0.001122902	0.000690029	0.00184956	0.001021054
2074 Feb	0.091636784	9.75789E-06	5.923592567	7.830317974	0.071806788	0.002071705	27.93698502	0.004744591	0.011298984	0.000486776	0.000850618	0.000362898	0.331540972	5.89758E-06	0.001122902	0.000690034	0.001849568	0.001021053
2074 Mar	0.091642044	9.75842E-06	5.923905373	7.830735207	0.071810715	0.002071814	27.93845558	0.004744842	0.011299603	0.000486802	0.000850663	0.000362917	0.331558615	5.89789E-06	0.001122961	0.000690072	0.001849668	0.001021106
2074 Apr	0.091691114	9.76363E-06	5.927062035	7.834909439	0.07184907	0.002072918	27.95334244	0.00474737	0.011305637	0.000487062	0.000851116	0.000363111	0.331735343	5.90104E-06	0.001123559	0.000690441	0.001850655	0.00102165
2074 May	0.092339776	9.75904E-06	5.979152203	7.886739254	0.072614603	0.002093852	28.28939247	0.004786438	0.011321944	0.000494557	0.000857358	0.000366318	0.334640235	5.94596E-06	0.001134149	0.000695699	0.001853686	0.001025726
2074 Jun	0.092507191	9.58333E-06	6.114371777	7.967039108	0.074200056	0.002149604	28.52545929	0.004831318	0.011190759	0.000510483	0.000868505	0.000372772	0.3408871	6.05687E-06	0.00116373	0.000701934	0.001834592	0.001032732
2074 Jul	0.092826232	9.61444E-06	6.144791603	8.008653641	0.074573331	0.002161207	28.57673264	0.004850514	0.011219058	0.000512893	0.000872661	0.00037459	0.342474222	6.08553E-06	0.001169771	0.000704984	0.001840375	0.001038444
2074 Aug	0.093300007	9.6679E-06	6.171506405	8.054166794	0.074948303	0.002170981	28.70188522	0.004875237	0.011271251	0.00051525	0.00087709	0.000376451	0.344048798	6.11154E-06	0.001174769	0.000708658	0.001849574	0.001044451
2074 Sep	0.093378708	9.68049E-06	6.148231506	8.057934761	0.074877299	0.002163664	28.59362793	0.004868175	0.01125378	0.000514184	0.000875578	0.000375713	0.343064904	6.08804E-06	0.001169708	0.000708737	0.001848182	0.001044611
2074 Oct	0.093437515	9.68238E-06	6.125020504	8.048043251	0.074755721	0.002155782	28.48358154	0.004856419	0.011237103	0.000513097	0.000873184	0.00037466	0.341986418	6.06559E-06	0.00116466	0.00070828	0.001845856	0.001042652
2074 Nov	0.093456641	9.68419E-06	6.122788906	8.048201561	0.074750237	0.002155061	28.47301483	0.004855658	0.01123638	0.000513014	0.000873011	0.000374581	0.341892719	6.06342E-06	0.001164156	0.000708318	0.00184581	0.001042599
2074 Dec	0.093461968	9.68468E-06	6.123002052	8.048532486	0.074753478	0.002155135	28.47398758	0.004855843	0.011236909	0.000513036	0.000873043	0.000374595	0.341905355	6.06364E-06	0.001164193	0.000708352	0.001845895	0.001042636
2075 Jan	0.093463585	9.68479E-06	6.123021603	8.048568726	0.074754111	0.00215514	28.47406006	0.00485586	0.011237022	0.000513041	0.000873045	0.000374596	0.341906786	6.06366E-06	0.001164194	0.00070836	0.001845911	0.001042637
2075 Feb	0.093465738	9.68496E-06	6.123109341	8.048690796	0.074755482	0.002155169	28.47445869	0.00485593	0.011237221	0.00051305	0.000873057	0.000374601	0.341911912	6.06375E-06	0.00116421	0.000708374	0.001845942	0.001042651
2075 Mar	0.093475319	9.68592E-06	6.123708248	8.049482346	0.074762955	0.002155379	28.47723961	0.004856405	0.011238342	0.000513102	0.000873142	0.000374637	0.341945499	6.06434E-06	0.001164323	0.000708446	0.001846126	0.001042752
2075 Apr	0.093520194	9.69056E-06	6.126631737	8.053326607	0.074798733	0.002156407	28.49083138	0.004858723	0.01124372	0.000513347	0.000873558	0.000374816	0.342108816	6.06724E-06	0.001164878	0.000708785	0.001847009	0.001043249
2075 May	0.093756735	9.70388E-06	6.126266956	8.056609154	0.07487914	0.002155869	28.48644638	0.004859341	0.011256197	0.000514021	0.000873522	0.000374824	0.342164606	6.06739E-06	0.001164412	0.000709916	0.001848968	0.001043016
2075 Jun	0.093369626	9.70836E-06	6.22698164	8.158157349	0.07556086	0.002201447	29.27333641	0.004952997	0.01125638	0.00052098	0.00089063	0.000381786	0.347305804	6.16366E-06	0.001187976	0.000714428	0.001864258	0.001056778
2075 Jul	0.093113236	9.72951E-06	6.298004627	8.231329918	0.075999342	0.002232152	29.65270042	0.00500883	0.011272842	0.000524454	0.000901797	0.000386306	0.350789875	6.23199E-06	0.001204259	0.000717128	0.001875103	0.001068003
2075 Aug	0.093388796	9.76959E-06	6.305901051	8.263343811	0.076189332	0.002235699	29.69100952	0.005022665	0.011297341	0.000525281	0.000904262	0.000387257	0.351398051	6.23951E-06	0.001205562	0.000719308	0.001880641	0.001072359
2075 Sep	0.093508534	9.79098E-06	6.306399822	8.280431747	0.076264463	0.002236503	29.69433594	0.005028768	0.011305885	0.000525418	0.000905336	0.000387639	0.351552874	6.23971E-06	0.001205514	0.000720305	0.001883097	0.001074743
2075 Oct	0.093508035	9.79444E-06	6.291648865	8.274878502	0.076165698	0.002231604	29.62376404	0.005021771	0.011295798	0.00052447	0.000903968	0.000386994	0.350855559	6.22581E-06	0.001202368	0.000719878	0.001882059	0.001073795
2075 Nov	0.093538597	9.79748E-06	6.290655613	8.275205612	0.076166429	0.00223126	29.6186409	0.005021538	0.011297521	0.000524452	0.000903899	0.000386959	0.35081777	6.22506E-06	0.001202106	0.000719985	0.001882388	0.001073752
2075 Dec	0.093543977	9.79796E-06	6.290774822	8.275402069	0.076168627	0.002231299	29.61915207	0.005021647	0.01129802	0.000524467	0.000903916	0.000386966	0.35082522	6.2252E-06	0.001202123	0.000720014	0.001882468	0.001073768
2076 Jan	0.093545519	9.79806E-06	6.29077816	8.275415421	0.076169044	0.002231297	29.61914635	0.005021651	0.011298127	0.00052447	0.000903916	0.000386966	0.350825727	6.22521E-06	0.001202121	0.000720021	0.001882484	0.001073766
2076 Feb	0.093549341	9.79841E-06	6.290970325	8.275676727	0.076171704	0.002231363	29.62004089	0.005021806	0.011298524	0.000524488	0.000903943	0.000386978	0.350836724	6.22541E-06	0.001202156	0.000720047	0.00188255	0.001073797
2076 Mar	0.093558483	9.79934E-06	6.291550159	8.276442528	0.076178893	0.002231568	29.62276077	0.005022269	0.011299593	0.000524538	0.000904026	0.000387013	0.350869179	6.22598E-06	0.001202266	0.000720116	0.001882728	0.001073895
2076 Apr	0.093584642	9.80207E-06	6.293289661	8.278734207	0.076200053	0.002232184	29.63094902	0.005023658	0.011302734	0.000524683	0.000904276	0.00038712	0.350966275	6.2277E-06	0.001202598	0.000720316	0.001883251	0.001074191
2076 May	0.093947172	9.81884E-06	6.286405563	8.275527	0.076270923	0.002228972	29.59423256	0.005019845	0.011315232	0.000525468	0.00090338	0.000386742	0.350708961	6.22245E-06	0.001200543	0.000721852	0.001885807	0.00107243
2076 Jun	0.095135525	9.8238E-06	6.368405342	8.301304817	0.077237286	0.002259144	29.52352524	0.005033427	0.011330131	0.000535433	0.000909365	0.000389675	0.354171604	6.30436E-06	0.001216838	0.000730498	0.001897101	0.001070837
2076 Jul	0.095248684	9.84324E-06	6.414600849	8.340641975	0.077592984	0.002277182	29.54316139	0.005052647	0.011348408	0.000537842	0.000914612	0.000391928	0.356243789	6.34927E-06	0.001226689	0.000732873	0.001902985	0.001076754
2076 Aug	0.095658831	9.89177E-06	6.43272686	8.380025864	0.077892743	0.002284074	29.6274929	0.005072361	0.011388822	0.000539599	0.000918137	0.00039337	0.357380956	6.36695E-06	0.00122996	0.000736005	0.001910766	0.001081909
2076 Sep	0.09580189	9.91304E-06	6.43294096	8.396517754	0.07797543	0.002284672	29.6294384	0.005078087	0.01139786	0.00053983	0.000919123	0.000393724	0.357526362	6.36685E-06	0.001229811	0.000737099	0.001913222	0.001084118
2076 Oct	0.095729791	9.90841E-06	6.401607513	8.38028717	0.077754721	0.002274029	29.48405266	0.005061681	0.011369063	0.000537882	0.000915944	0.000392275	0.356018424	6.3365E-06	0.001223231	0.000735838	0.001909388	0.001081593
2076 Nov	0.09573555	9.90888E-06	6.395865917	8.377345085	0.077718057	0.00227205	29.4571476	0.005058675	0.01136523	0.000537559	0.000915346	0.000392005	0.355745465	6.33107E-06	0.001221993	0.000735678	0.001908882	0.001081077
2076 Dec	0.095741071	9.90939E-06	6.396105289	8.377671242	0.077721417	0.002272132	29.45822716	0.005058867	0.011365797	0.000537583	0.000915379	0.000392019	0.355759203	6.33132E-06	0.001222035	0.000735713	0.001908974	0.001081113
2077 Jan	0.095742278	9.90946E-06	6.396103859	8.377677917	0.077721745	0.00227213	29.45820427	0.005058867	0.011365871	0.000537586	0.000915378	0.000392019	0.355759412	6.33132E-06	0.001222033	0.000735718	0.001908985	0.001081111
2077 Feb	0.095743895	9.90959E-06	6.396161079	8.377759933	0.077722713	0.002272148	29.45845985	0.005058914	0.011366012	0.000537592	0.000915386	0.000392022	0.35576281	6.33138E-06	0.001222043	0.000735729	0.001909008	0.001081119
2077 Mar	0.095747501	9.90993E-06	6.396373749	8.378041267	0.07772544	0.002272223	29.4594326	0.005059082	0.011366411	0.000537611	0.000915416	0.000392035	0.35577473	6.33159E-06	0.001222083	0.000735755	0.001909074	0.001081154
2077 Apr	0.095779926	9.91328E-06	6.398524284	8.380860329	0.077751651	0.002272986	29.46933556	0.005060783	0.011370244	0.000537792	0.000915724	0.000392167	0.355894417	6.33372E-06	0.001222493	0.000736004	0.001909718	0.001081517
2077 May	0.096176147	9.92858E-06	6.40865612	8.390001297	0.077965714	0.002276314	29.4917469	0.005065759	0.011388676	0.000539809	0.000916621	0.000392646	0.356458008	6.3439E-06	0.001224099	0.00073824	0.001913067	0.001081451
2077 Jun	0.097106285	9.89178E-06	6.501523018	8.416303635	0.078963399	0.002311306	29.38262939	0.005074887	0.011381265	0.000549887	0.000921837	0.000395758	0.360334545	6.43071E-06	0.001243067	0.000744692	0.001914079	0.001080577
2077 Jul	0.097630024	9.94191E-06	6.521559238	8.452030182	0.079298005	0.002318432	29.44991684	0.005092582	0.011426827	0.000552104	0.00092515	0.000397127	0.361524254	6.45103E-06	0.00124656	0.000748356	0.00192279	0.001084785
2077 Aug	0.098057792	9.99253E-06	6.541815758	8.494794846	0.079624787	0.00232616	29.54293442	0.00511407	0.011469279	0.000554031	0.000929011	0.000398716	0.362781435	6.47057E-06	0.001250265	0.000751703	0.001930954	0.001090422
2077 Sep	0.097968772	9.99346E-06	6.505359173	8.483599663	0.079385206	0.002314599	29.36017609	0.005096959	0.011431437	0.000551676	0.00092572	0.000397203	0.361055344	6.43493E-06	0.00124264	0.000750296	0.001926632	0.001088567
2077 Oct	0.098002017	1.0001E-05	6.516834259	8.492043495	0.079441957	0.002319891	29.37231255	0.005101917	0.011437739	0.0005521	0.000926831	0.000397746	0.361555666	6.44677E-06	0.001245127	0.000750458	0.001927818	0.001089542
2077 Nov	0.098029383	1.00039E-05	6.518262386	8.494267464	0.079461284	0.002320423	29.37839508	0.005103142	0.011440613	0.000552228	0.00092705	0.000397839	0.361637741	6.4482E-06	0.001245392	0.000750651	0.001928313	0.001089817
2077 Dec	0.098034725	1.00043E-05	6.518504143	8.49459362	0.079464629	0.002320506	29.3794651	0.005103334	0.011441161	0.000552251	0.000927084	0.000397854	0.36165151	6.44845E-06	0.001245435	0.000750686	0.001928402	0.001089854
2078 Jan	0.098036848	1.00045E-05	6.518573284	8.494691849	0.079465792	0.002320529	29.37976456	0.005103389	0.01144135	0.00055226	0.000927093	0.000397858	0.361655623	6.44852E-06	0.001245447	0.000750698	0.001928432	0.001089863
2078 Feb	0.098038629	1.00047E-05	6.518647671	8.494794846	0.079466932	0.002320554	29.38009262	0.005103448	0.011441513	0.000552267	0.000927103	0.000397862	0.361659944	6.4486E-06	0.00124546	0.00075071	0.001928459	0.001089874
2078 Mar	0.09804143	1.00049E-05	6.518809319	8.495007515	0.079469033	0.00232061	29.38081741	0.005103576	0.011441817	0.000552282	0.000927126	0.000397872	0.361669034	6.44876E-06	0.00124549	0.00075073	0.001928509	0.001089901
2078 Apr	0.098102123	1.00111E-05	6.522830486	8.500249863	0.079518124	0.002322042	29.39893913	0.005106723	0.011448884	0.000552623	0.000927698	0.000398118	0.361892164	6.45274E-06	0.001246258	0.000751194	0.001929701	0.001090572
2078 May	0.099120334	1.00286E-05	6.579209328	8.536692619	0.080307424	0.002342977	29.59235001	0.005133567	0.011492609	0.000560428	0.000932567	0.000400769	0.364765614	6.50571E-06	0.001257087	0.000757529	0.00193683	0.001091512
2078 Jun	0.099688441	9.9509E-06	6.698320389	8.578613228	0.081449673	0.002389122	29.5141468	0.005149773	0.011457966	0.000571496	0.000939575	0.000405062	0.36977914	6.61387E-06	0.001282115	0.000762704	0.001930823	0.001093812
2078 Jul	0.100192338	1.0002E-05	6.72647047	8.62351799	0.081847265	0.00239949	29.61128998	0.005172757	0.011506537	0.00057409	0.000943917	0.000406911	0.371380031	6.64129E-06	0.001287387	0.000766537	0.001939715	0.001099552
2078 Aug	0.100534357	1.0042E-05	6.729007721	8.653895378	0.082042135	0.002400971	29.62466621	0.005183862	0.011527317	0.000574984	0.000945788	0.000407625	0.371763498	6.64319E-06	0.001287438	0.000768894	0.001944602	0.001103387
2078 Sep	0.100722045	1.00643E-05	6.72610569	8.668821335	0.082124442	0.002400333	29.61307526	0.005187888	0.011535501	0.000575232	0.000946379	0.000407828	0.371776074	6.64004E-06	0.001286534	0.000770068	0.001946833	0.001105176
2078 Oct	0.10072796	1.00676E-05	6.711502075	8.66740036	0.08205501	0.002395525	29.54989243	0.005182439	0.011523947	0.00057444	0.000945241	0.000407288	0.371131361	6.6254E-06	0.001283413	0.000769826	0.001945505	0.001104866
2078 Nov	0.100753248	1.00697E-05	6.709163189	8.667362213	0.082050547	0.002394715	29.53953362	0.005181606	0.01152369	0.000574371	0.000945046	0.0004072	0.371034086	6.62316E-06	0.001282872	0.000769889	0.001945513	0.00110477
2078 Dec	0.10075748	1.007E-05	6.709312916	8.667570114	0.082052916	0.002394765	29.54017639	0.005181725	0.011524078	0.000574389	0.000945066	0.000407208	0.371042877	6.62331E-06	0.001282897	0.000769914	0.001945575	0.001104791
2079 Jan	0.100758441	1.00701E-05	6.709295273	8.667557716	0.082053088	0.002394757	29.54008675	0.005181713	0.011524118	0.00057439	0.000945063	0.000407207	0.371042222	6.6233E-06	0.001282892	0.000769918	0.001945579	0.001104786
2079 Feb	0.100759059	1.00701E-05	6.709286213	8.667551994	0.082053259	0.002394751	29.54003716	0.005181706	0.011524136	0.000574391	0.000945062	0.000407207	0.371041924	6.62329E-06	0.001282889	0.00076992	0.001945582	0.001104783
2079 Mar	0.100765571	1.00707E-05	6.709692001	8.66808033	0.082058378	0.002394895	29.54182243	0.00518202	0.011524854	0.000574427	0.000945119	0.000407231	0.371064484	6.62369E-06	0.001282966	0.000769969	0.001945702	0.001104849
2079 Apr	0.100801177	1.00743E-05	6.712047577	8.671125412	0.082087271	0.002395735	29.55218887	0.00518384	0.01152891	0.000574629	0.00094545	0.000407374	0.37119481	6.62602E-06	0.001283416	0.00077024	0.001946386	0.001105237
2079 May	0.100979596	1.0089E-05	6.718976498	8.68146801	0.082199752	0.002398075	29.58214188	0.005189559	0.011544718	0.000575448	0.000946451	0.00040781	0.371603578	6.63298E-06	0.001284619	0.000771412	0.001949043	0.001106366
2079 Jun	0.101378873	1.00746E-05	6.786053658	8.693526268	0.08270964	0.002425417	29.56318665	0.005200991	0.011530997	0.000581431	0.000951249	0.00041021	0.374224305	6.70185E-06	0.001298965	0.000774656	0.001954369	0.001104901
2079 Jul	0.101237498	1.00843E-05	6.833360672	8.725351334	0.082931355	0.002445138	29.57341003	0.005218335	0.011534245	0.000582927	0.000956431	0.000412405	0.376178771	6.74926E-06	0.001309566	0.000775442	0.001959023	0.001110124
2079 Aug	0.101645701	1.0131E-05	6.849184036	8.761545181	0.083210282	0.002451156	29.6433773	0.005235995	0.011571911	0.000584576	0.000959594	0.000413693	0.377186686	6.76488E-06	0.001312351	0.000778426	0.001966408	0.001114756
2079 Sep	0.1016213	1.01402E-05	6.81962204	8.757341385	0.083039105	0.002441391	29.51799965	0.005225049	0.011550257	0.000582701	0.000957356	0.000412585	0.375856638	6.73602E-06	0.001306076	0.000777748	0.001964411	0.001114099
2079 Oct	0.10134612	1.01392E-05	6.838375568	8.768416405	0.083006456	0.002450653	29.56541634	0.005234436	0.011546738	0.000582343	0.000959519	0.000413529	0.376596153	6.75534E-06	0.001310716	0.00077647	0.001964706	0.001116352
2079 Nov	0.101157643	1.01363E-05	6.855438232	8.774559975	0.082996584	0.002458397	29.60880852	0.005241345	0.011547646	0.000582299	0.000961142	0.000414273	0.377270967	6.77268E-06	0.001314806	0.000775547	0.001964915	0.001117675
2079 Dec	0.101026952	1.01324E-05	6.864990234	8.775132179	0.082966909	0.002462839	29.6276989	0.00524403	0.011547179	0.000582138	0.000961852	0.00041462	0.377614588	6.78263E-06	0.001317146	0.000774744	0.001964641	0.001118005
2080 Jan	0.101026081	1.01324E-05	6.865154743	8.775156975	0.082967028	0.00246291	29.62808418	0.005244081	0.011547245	0.00058214	0.000961864	0.000414626	0.377621114	6.7828E-06	0.001317184	0.000774738	0.001964646	0.00111801
2080 Feb	0.101027057	1.01325E-05	6.865293026	8.775255203	0.082968071	0.002462963	29.62853432	0.005244154	0.01154739	0.000582147	0.000961879	0.000414633	0.37762773	6.78294E-06	0.001317212	0.000774745	0.001964668	0.001118021
2080 Mar	0.10102842	1.01326E-05	6.865333557	8.77531147	0.082968816	0.002462976	29.62869835	0.005244185	0.011547498	0.000582152	0.000961884	0.000414635	0.377630144	6.78298E-06	0.001317219	0.000774753	0.001964685	0.001118026
2080 Apr	0.101053238	1.01351E-05	6.866988182	8.777430534	0.08298897	0.002463568	29.63583374	0.005245449	0.011550307	0.000582293	0.000962115	0.000414735	0.37772131	6.78462E-06	0.001317536	0.000774942	0.001965162	0.001118295
2080 May	0.101212211	1.01509E-05	6.87709856	8.790835381	0.083115354	0.002467194	29.67946243	0.005253332	0.011567922	0.000583174	0.000963556	0.000415354	0.378282696	6.79462E-06	0.00131946	0.000776142	0.001968179	0.001119988
2080 Jun	0.099971205	1.0132E-05	6.908466339	8.74985218	0.082391702	0.002484232	29.45889854	0.005237585	0.011538516	0.000577381	0.00096423	0.00041533	0.378445894	6.8396E-06	0.001328428	0.000768352	0.001968981	0.001117193
2080 Jul	0.09921857	1.01387E-05	6.936321735	8.750253677	0.082058907	0.002498563	29.33533859	0.005237923	0.011526755	0.000574008	0.000966777	0.000416143	0.379064113	6.87441E-06	0.001335776	0.000764431	0.001971665	0.001119743
2080 Aug	0.09944281	1.01765E-05	6.936500549	8.775165558	0.082165278	0.002499394	29.33870316	0.005246933	0.011544283	0.000574179	0.000968337	0.000416677	0.379267395	6.87501E-06	0.001335504	0.000766003	0.001976267	0.001123129

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.09923283	1.01873E-05	6.930458069	8.777873039	0.082007185	0.00249897	29.26957893	0.005244689	0.011533509	0.000572386	0.000968243	0.000416521	0.378881991	6.87088E-06	0.001334581	0.000764549	0.001976172	0.001124202
2080 Oct	0.098643847	1.01837E-05	6.962011814	8.785289764	0.081842035	0.002513931	29.28022575	0.005253204	0.011529002	0.000570744	0.000971046	0.000417736	0.379946917	6.90465E-06	0.001342478	0.000761254	0.001976104	0.001127071
2080 Nov	0.098232791	1.01751E-05	6.981230736	8.783647537	0.081697248	0.002523179	29.28609085	0.005256334	0.011524301	0.000569545	0.000972333	0.000418342	0.380539745	6.92552E-06	0.001347384	0.000758675	0.001975044	0.001127921
2080 Dec	0.09821181	1.01748E-05	6.982396126	8.783358574	0.081688285	0.002523728	29.28647804	0.005256465	0.011524405	0.000569477	0.000972394	0.000418373	0.380575031	6.92684E-06	0.001347674	0.000758524	0.001975016	0.00112793
2081 Jan	0.098212697	1.01749E-05	6.982487202	8.783412933	0.081688784	0.002523764	29.28670502	0.005256508	0.011524554	0.00056948	0.000972403	0.000418377	0.380579174	6.92694E-06	0.001347692	0.000758528	0.001975038	0.001127936
2081 Feb	0.098213851	1.0175E-05	6.982502937	8.783439636	0.081689253	0.002523768	29.28675842	0.00525652	0.011524635	0.000569483	0.000972404	0.000418378	0.380580276	6.92696E-06	0.001347694	0.000758534	0.00197505	0.001127936
2081 Mar	0.098217145	1.01753E-05	6.982713223	8.783699989	0.081691772	0.002523843	29.28762054	0.005256676	0.011525002	0.0005695	0.000972433	0.00041839	0.38059175	6.92717E-06	0.001347734	0.000758558	0.001975112	0.001127969
2081 Apr	0.098254174	1.01791E-05	6.985270023	8.786967278	0.081722148	0.002524767	29.29834747	0.005258617	0.011529283	0.00056971	0.000972791	0.000418544	0.380731672	6.9297E-06	0.001348226	0.000758841	0.001975847	0.001128387
2081 May	0.098252758	1.01762E-05	7.003695011	8.772374153	0.081667401	0.002532667	29.20955467	0.005251538	0.011535197	0.000569716	0.000972412	0.000418614	0.381194085	6.95198E-06	0.001352242	0.000757511	0.001975715	0.001125741
2081 Jun	0.097479798	1.01003E-05	7.065481186	8.744184494	0.081532367	0.002559414	28.81191063	0.005226178	0.011476501	0.000569	0.000972323	0.000419289	0.382736325	7.01607E-06	0.001366752	0.000751724	0.001963826	0.001123121
2081 Jul	0.097917944	1.01508E-05	7.106674671	8.793091774	0.081959777	0.002574891	28.92458725	0.005252871	0.011530491	0.00057181	0.000977713	0.00042163	0.384862214	7.05679E-06	0.001374929	0.00075535	0.001973391	0.001129733
2081 Aug	0.09840586	1.02072E-05	7.137650967	8.842201233	0.08236216	0.002586514	29.05284691	0.005279553	0.011584525	0.000574368	0.000982637	0.000423704	0.386624038	7.08718E-06	0.001380848	0.000759207	0.001983273	0.001136206
2081 Sep	0.098513596	1.02269E-05	7.130189896	8.854444504	0.082384333	0.002584451	29.02605057	0.005281554	0.011586721	0.000574064	0.000982846	0.000423709	0.386403859	7.07962E-06	0.001379097	0.000759874	0.001984694	0.001137828
2081 Oct	0.098535948	1.02332E-05	7.121188164	8.855846405	0.082346894	0.00258155	28.99136353	0.00527927	0.011582549	0.000573544	0.000982304	0.000423427	0.386027634	7.07075E-06	0.001377144	0.000759852	0.001984443	0.001137969
2081 Nov	0.098496646	1.02302E-05	7.105647564	8.846394539	0.082231067	0.002576099	28.929142	0.005271175	0.011570177	0.000572563	0.000980652	0.000422686	0.385283232	7.05578E-06	0.001373868	0.000759149	0.001982512	0.001136539
2081 Dec	0.098502219	1.02302E-05	7.103879452	8.844875336	0.082218505	0.00257544	28.92186928	0.005270096	0.011569573	0.000572472	0.000980426	0.000422589	0.385197222	7.05418E-06	0.001373476	0.000759091	0.001982371	0.001136275
2082 Jan	0.09850353	1.02302E-05	7.103820801	8.844819069	0.082218409	0.002575415	28.92161751	0.005270056	0.011569617	0.000572471	0.000980417	0.000422585	0.38519457	7.05413E-06	0.001373462	0.000759094	0.001982374	0.001136262
2082 Feb	0.098505825	1.02304E-05	7.103889942	8.844916344	0.082219668	0.002575437	28.92189026	0.00527011	0.011569801	0.00057248	0.000980426	0.000422589	0.385198712	7.0542E-06	0.001373473	0.000759107	0.001982404	0.00113627
2082 Mar	0.098511606	1.0231E-05	7.104254723	8.845376968	0.082224146	0.002575568	28.92337227	0.005270382	0.011570434	0.000572511	0.000980476	0.00042261	0.38521871	7.05456E-06	0.001373542	0.00075915	0.001982511	0.001136328
2082 Apr	0.098539546	1.02338E-05	7.106239796	8.847852707	0.082247257	0.002576287	28.9314518	0.005271855	0.011573689	0.000572671	0.000980749	0.000422728	0.385326445	7.05653E-06	0.001373925	0.000759364	0.001983068	0.001136644
2082 May	0.098674014	1.02479E-05	7.115847588	8.860015869	0.082359411	0.002579777	28.97060776	0.005279052	0.0115894	0.000573448	0.000982088	0.000423304	0.385849059	7.06606E-06	0.001375781	0.000760402	0.001985772	0.00113821
2082 Jun	0.098062031	1.0251E-05	7.115644455	8.830915451	0.08186724	0.002584717	28.98797035	0.005278342	0.011561115	0.000570476	0.00098297	0.000423108	0.385257244	7.0795E-06	0.001377192	0.000757397	0.001992803	0.001134149
2082 Jul	0.097228654	1.02575E-05	7.181046009	8.859128952	0.08179269	0.002614835	29.14937973	0.005310016	0.011556287	0.000569919	0.000991282	0.000426266	0.387737721	7.1523E-06	0.001393055	0.00075551	0.002002375	0.001140366
2082 Aug	0.097572915	1.0304E-05	7.196599483	8.895130157	0.082039148	0.002621036	29.21541786	0.005327612	0.011591859	0.000571235	0.000994495	0.000427551	0.388708681	7.16792E-06	0.001395886	0.000758177	0.002009685	0.001145169
2082 Sep	0.097673237	1.03252E-05	7.193052769	8.908411026	0.082071416	0.002620341	29.20402145	0.005331375	0.011598338	0.000571031	0.000995106	0.000427714	0.388656676	7.16459E-06	0.00139499	0.000758915	0.0020119	0.001147024
2082 Oct	0.097362168	1.03107E-05	7.144161224	8.878592491	0.081638247	0.002603639	29.00724411	0.005306307	0.011551091	0.000567254	0.000990196	0.000425424	0.38626039	7.11756E-06	0.001385	0.00075595	0.002005285	0.001143161
2082 Nov	0.097371437	1.03131E-05	7.144587517	8.879476547	0.081638649	0.002603889	29.0077858	0.005306765	0.011552778	0.000567231	0.00099028	0.000425455	0.386281461	7.11822E-06	0.001385079	0.000755983	0.002005622	0.00114327
2082 Dec	0.097376935	1.03136E-05	7.144876957	8.879842758	0.081642173	0.002603992	29.00894547	0.005306983	0.011553386	0.000567256	0.00099032	0.000425472	0.386297315	7.11853E-06	0.001385133	0.00075602	0.002005725	0.001143313
2083 Jan	0.097378522	1.03138E-05	7.144918919	8.87990284	0.081642881	0.002604006	29.0091114	0.005307017	0.011553532	0.000567261	0.000990325	0.000425474	0.386299819	7.11858E-06	0.001385139	0.000756028	0.002005749	0.001143318
2083 Feb	0.097382188	1.03141E-05	7.145140171	8.880182266	0.081645608	0.002604085	29.01000404	0.005307183	0.011553928	0.000567279	0.000990356	0.000425487	0.386311978	7.1188E-06	0.001385181	0.000756055	0.002005817	0.001143352
2083 Mar	0.097389825	1.03149E-05	7.145673752	8.880848885	0.081651822	0.002604279	29.01216888	0.00530758	0.011554813	0.000567322	0.00099043	0.000425519	0.386340916	7.11933E-06	0.001385284	0.000756113	0.00200597	0.001143437
2083 Apr	0.097428374	1.0319E-05	7.148488045	8.884347916	0.081684038	0.002605304	29.0235939	0.00530967	0.011559375	0.000567546	0.00099082	0.000425687	0.386493117	7.12214E-06	0.001385829	0.000756412	0.002006762	0.001143887
2083 May	0.09779048	1.03366E-05	7.173367977	8.906634331	0.081984244	0.002615474	29.22775841	0.005331624	0.011586417	0.000570669	0.000994178	0.00042724	0.387868941	7.14771E-06	0.001390821	0.000759076	0.002012682	0.001145393
2083 Jun	0.097682856	1.02346E-05	7.289538383	8.954506874	0.082902089	0.002664766	29.53387833	0.005374726	0.011526327	0.00058076	0.00100412	0.000432522	0.392969638	7.25709E-06	0.00141663	0.000762015	0.002007141	0.001149625
2083 Jul	0.097650565	1.02371E-05	7.322031975	8.985352516	0.083148792	0.002678378	29.51405525	0.005386741	0.011523952	0.00058226	0.001007676	0.000434145	0.394396961	7.28794E-06	0.001423704	0.000763074	0.002008354	0.001154513
2083 Aug	0.097950637	1.02733E-05	7.310003281	9.00083828	0.083204396	0.002674288	29.46951866	0.005388551	0.011535563	0.000582151	0.001007733	0.000434034	0.39403218	7.27683E-06	0.001420676	0.000764553	0.002011861	0.001156157
2083 Sep	0.097873032	1.02801E-05	7.310519695	9.014383316	0.083203346	0.00267625	29.44402695	0.005391885	0.011526032	0.000581716	0.001008481	0.000434349	0.394079864	7.27679E-06	0.001421008	0.000764189	0.0020111	0.001158374
2083 Oct	0.097172938	1.02397E-05	7.366452217	9.037172318	0.083251268	0.002702279	29.51314354	0.005409086	0.01149802	0.000582175	0.00101304	0.000436744	0.396273613	7.32976E-06	0.001434525	0.000760551	0.002004427	0.001163269
2083 Nov	0.096851714	1.02204E-05	7.388116837	9.043525696	0.083241977	0.002712451	29.53538322	0.005414628	0.011485755	0.000582129	0.001014614	0.000437608	0.397093236	7.35032E-06	0.001439826	0.000758777	0.00200115	0.001164939
2083 Dec	0.096855678	1.02207E-05	7.388221741	9.043686867	0.083243713	0.002712487	29.5357914	0.005414717	0.011486124	0.000582142	0.001014628	0.000437615	0.397099525	7.35044E-06	0.001439842	0.000758798	0.002001208	0.001164953
2084 Jan	0.096856773	1.02208E-05	7.388193607	9.043663979	0.083243787	0.002712474	29.53567314	0.005414699	0.01148618	0.000582142	0.001014623	0.000437613	0.397098392	7.35042E-06	0.001439835	0.000758801	0.002001214	0.001164946
2084 Feb	0.096858531	1.02209E-05	7.38825655	9.043749809	0.083244808	0.002712495	29.53591919	0.005414746	0.01148633	0.000582149	0.001014632	0.000437616	0.397102028	7.35049E-06	0.001439845	0.000758811	0.002001238	0.001164955
2084 Mar	0.096866384	1.02217E-05	7.388816833	9.044439316	0.08325129	0.002712699	29.53815651	0.005415158	0.011487228	0.000582194	0.001014708	0.00043765	0.397132277	7.35105E-06	0.001439953	0.000758871	0.002001394	0.001165042
2084 Apr	0.096924491	1.02278E-05	7.393228054	9.049840927	0.083301082	0.002714318	29.55578995	0.005418391	0.011494102	0.000582542	0.001015314	0.000437911	0.397369444	7.35543E-06	0.001440813	0.000759326	0.002002591	0.001165737
2084 May	0.097403616	1.02196E-05	7.405101776	9.046677589	0.083548024	0.002718739	29.51704979	0.005414621	0.011499328	0.000585355	0.001014599	0.00043805	0.397893965	7.36708E-06	0.001442653	0.00076095	0.002000854	0.001163044
2084 Jun	0.096941896	1.00345E-05	7.464717865	9.011928558	0.083916135	0.002744253	28.9757061	0.005370764	0.011354095	0.000589949	0.001011183	0.000438286	0.399451882	7.41697E-06	0.001456069	0.000757024	0.001968693	0.001157204
2084 Jul	0.097138099	1.00545E-05	7.490928173	9.043990135	0.084194206	0.002754717	28.96227837	0.005382685	0.011369614	0.000591604	0.001014242	0.000439688	0.400713354	7.44184E-06	0.001461381	0.000758925	0.001971786	0.001161785
2084 Aug	0.097477034	1.00967E-05	7.501861095	9.078746796	0.084430754	0.002759304	29.00930405	0.005398048	0.01139799	0.000592833	0.001016975	0.000440786	0.401484668	7.45217E-06	0.001463238	0.000761475	0.00197776	0.001166351
2084 Sep	0.097531185	1.01091E-05	7.481884003	9.082027435	0.084364012	0.002752601	28.93774796	0.005393187	0.011387547	0.000591834	0.001015784	0.000440176	0.400666088	7.432E-06	0.001458875	0.000761521	0.001977029	0.001166694
2084 Oct	0.09743885	1.01004E-05	7.466642857	9.073833466	0.084237456	0.002748133	28.86234665	0.005384557	0.011367195	0.000590742	0.001013991	0.000439464	0.399917722	7.41688E-06	0.001455772	0.000760295	0.001973174	0.001165427
2084 Nov	0.097363748	1.00937E-05	7.476511955	9.078223228	0.084268562	0.002752698	28.87954712	0.005387818	0.011363926	0.000591041	0.001014709	0.000439892	0.400329351	7.42633E-06	0.001458044	0.000759859	0.001971983	0.001166138
2084 Dec	0.097369067	1.00941E-05	7.476750851	9.078529358	0.084271789	0.002752782	28.88046265	0.005387995	0.01136445	0.000591064	0.001014741	0.000439906	0.400342673	7.42658E-06	0.001458087	0.000759892	0.001972068	0.001166172
2085 Jan	0.097369947	1.00942E-05	7.47671175	9.078494072	0.084271759	0.002752766	28.88030815	0.005387969	0.011364479	0.000591064	0.001014735	0.000439903	0.400340974	7.42655E-06	0.001458077	0.000759894	0.001972069	0.001166163
2085 Feb	0.097371772	1.00943E-05	7.47678566	9.0785923	0.084272891	0.002752791	28.88059044	0.005388024	0.011364636	0.000591072	0.001014744	0.000439908	0.400345176	7.42662E-06	0.00145809	0.000759906	0.001972095	0.001166173
2085 Mar	0.097374864	1.00946E-05	7.476986885	9.078840256	0.084275328	0.002752864	28.88136673	0.00538817	0.011364966	0.000591089	0.001014771	0.000439919	0.400356114	7.42682E-06	0.001458128	0.000759928	0.001972151	0.001166204
2085 Apr	0.09740591	1.00978E-05	7.47935009	9.0817172723	0.08430206	0.002753733	28.89049339	0.005389873	0.011368572	0.000591277	0.001015092	0.000440058	0.400482744	7.42917E-06	0.001458589	0.00076017	0.001972776	0.001166572
2085 May	0.097921938	1.01025E-05	7.494449615	9.09227562	0.084622651	0.002759337	28.91989517	0.005395147	0.011382699	0.000594443	0.001015799	0.000440707	0.401312053	7.44265E-06	0.001461105	0.000762693	0.001973535	0.001166005
2085 Jun	0.098504245	1.00759E-05	7.557384491	9.134034157	0.08540155	0.002784629	28.97994232	0.005415129	0.011378918	0.000601601	0.001020326	0.00044352	0.404310733	7.49717E-06	0.001473972	0.000766698	0.001970045	0.001169357
2085 Jul	0.098983519	1.01287E-05	7.579223156	9.178064346	0.085752629	0.002793026	29.06723785	0.00543686	0.011423067	0.000603756	0.001024283	0.000445168	0.405638546	7.51846E-06	0.001477957	0.000770262	0.001978517	0.001174988
2085 Aug	0.09917248	1.01586E-05	7.564308167	9.197916031	0.085795879	0.002788447	29.01854134	0.00543928	0.011423238	0.000603328	0.0010244	0.000445086	0.405178815	7.50276E-06	0.001474493	0.000771401	0.001980176	0.001177596
2085 Sep	0.099247172	1.01673E-05	7.589202881	9.234016418	0.086060859	0.002800444	29.1120224	0.005458608	0.011422375	0.000605258	0.001027789	0.000446799	0.406506479	7.52388E-06	0.001479936	0.000772277	0.001980024	0.001182332
2085 Oct	0.09907034	1.01605E-05	7.659529209	9.293604851	0.086513296	0.002831293	29.40349007	0.005501525	0.011430612	0.000609016	0.001035801	0.000450709	0.409902453	7.58697E-06	0.001495834	0.000772777	0.001979957	0.001191044
2085 Nov	0.098889254	1.01494E-05	7.690515041	9.315426826	0.086661257	0.002845193	29.52529907	0.005518616	0.011428404	0.000610319	0.001039031	0.000452338	0.411337942	7.61485E-06	0.001503002	0.000772269	0.001978501	0.001194442
2085 Dec	0.098892309	1.01496E-05	7.690534115	9.315468788	0.086662114	0.002845197	29.52536392	0.005518634	0.011428636	0.000610326	0.001039031	0.000452339	0.41133967	7.61488E-06	0.001503001	0.000772281	0.001978532	0.001194439
2086 Jan	0.098893464	1.01497E-05	7.690492153	9.315431595	0.086662136	0.002845178	29.52519798	0.005518607	0.011428682	0.000610326	0.001039024	0.000452337	0.411337852	7.61485E-06	0.00150299	0.000772284	0.001978535	0.001194429
2086 Feb	0.098894604	1.01497E-05	7.690498829	9.315448761	0.086662576	0.002845179	29.52522087	0.005518613	0.011428746	0.000610329	0.001039025	0.000452337	0.411338508	7.61486E-06	0.001502989	0.00077229	0.001978543	0.001194429
2086 Mar	0.098898612	1.01501E-05	7.690765381	9.315778732	0.086665794	0.002845276	29.52624512	0.005518806	0.011429174	0.000610352	0.001039061	0.000452353	0.411352992	7.61512E-06	0.00150304	0.000772319	0.001978616	0.001194469
2086 Apr	0.098941617	1.01545E-05	7.694083691	9.319801331	0.0867033	0.002846503	29.5389843	0.005521188	0.011434123	0.000610616	0.001039509	0.000452548	0.411530584	7.61841E-06	0.001503688	0.000772654	0.001979472	0.001194984
2086 May	0.099210225	1.01693E-05	7.699074268	9.32790184	0.086834781	0.002848116	29.56306839	0.005525446	0.011450479	0.000611735	0.001040074	0.000452857	0.411866069	7.62348E-06	0.001504345	0.000774045	0.001981817	0.001195335
2086 Jun	0.09920878	1.00489E-05	7.7767272	9.328089714	0.087453775	0.002880722	29.47832489	0.005524659	0.01137186	0.000619019	0.001042002	0.000455139	0.414894998	7.69029E-06	0.001521358	0.000773814	0.001964351	0.001192699
2086 Jul	0.09917295	1.00511E-05	7.820635319	9.361293793	0.087743625	0.002898668	29.43988609	0.005537849	0.011372689	0.000620857	0.001046187	0.000457111	0.416763365	7.73197E-06	0.001530884	0.000774834	0.001965801	0.001198014
2086 Aug	0.099492431	1.00932E-05	7.821864605	9.391674995	0.087914959	0.002899794	29.45133018	0.005548862	0.011393864	0.000621493	0.001048006	0.000457786	0.417085111	7.73285E-06	0.001530683	0.000777009	0.001970781	0.001201946
2086 Sep	0.099510089	1.0103E-05	7.78354454	9.38056469	0.0876996	0.002886277	29.31504059	0.005533951	0.011372505	0.000619316	0.001044691	0.000456236	0.415377796	7.69555E-06	0.001522389	0.00077613	0.001968185	0.001200104
2086 Oct	0.099477284	1.0108E-05	7.78509903	9.387247086	0.087699622	0.002887726	29.32682037	0.005537301	0.011371366	0.000619169	0.001045215	0.000456468	0.415477186	7.69706E-06	0.001522814	0.000775958	0.00196834	0.001201129
2086 Nov	0.099501349	1.01107E-05	7.787401199	9.389971733	0.087723345	0.002888612	29.33577919	0.00553895	0.011374371	0.000619336	0.001045523	0.000456604	0.415598452	7.69933E-06	0.001523274	0.000776154	0.001968866	0.001201485
2086 Dec	0.099505424	1.01111E-05	7.787604809	9.390227318	0.087725975	0.002888685	29.33654404	0.005539098	0.011374778	0.000619355	0.00104555	0.000456615	0.415609688	7.69954E-06	0.001523311	0.000776179	0.001968932	0.001201514
2087 Jan	0.099506482	1.01111E-05	7.787616253	9.390249252	0.08772637	0.002888688	29.33658409	0.005539109	0.011374854	0.000619358	0.001045551	0.000456616	0.415610522	7.69956E-06	0.001523312	0.000776184	0.001968943	0.001201514
2087 Feb	0.099509485	1.01114E-05	7.787805557	9.390481949	0.087728702	0.002888757	29.33729362	0.005539244	0.011375161	0.000619374	0.001045576	0.000456627	0.415620774	7.69975E-06	0.001523348	0.000776206	0.001968995	0.001201542
2087 Mar	0.099519037	1.01124E-05	7.788528919	9.391357422	0.087736949	0.002889024	29.34001923	0.005539759	0.011376235	0.000619432	0.001045673	0.000456669	0.415659487	7.70046E-06	0.001523489	0.000776279	0.00196918	0.001201653
2087 Apr	0.09954112	1.01146E-05	7.790242672	9.393425941	0.087756328	0.002889659	29.3464756	0.005540978	0.011378747	0.000619569	0.001045903	0.00045677	0.41575101	7.70216E-06	0.001523824	0.000776451	0.001969615	0.001201917
2087 May	0.099795267	1.01238E-05	7.807044983	9.406523705	0.087966695	0.002896082	29.39941025	0.005549919	0.011391749	0.000621532	0.001047526	0.000457615	0.416605353	7.71779E-06	0.001527127	0.000778008	0.001971863	0.001202854
2087 Jun	0.100191221	1.01061E-05	7.892350674	9.451797485	0.088732079	0.002929789	29.50527191	0.005579161	0.011390759	0.000628839	0.001054537	0.000461349	0.420449615	7.79373E-06	0.001545329	0.000781515	0.001972773	0.001207267
2087 Jul	0.100587666	1.01505E-05	7.901454449	9.484942436	0.088973135	0.002933528	29.53799629	0.005593009	0.011420148	0.000630149	0.001056994	0.000462329	0.421134859	7.80251E-06	0.001546703	0.000784254	0.001978991	0.001211402

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.101004429	1.0197E-05	7.922594547	9.524557114	0.08929003	0.002941695	29.62049866	0.005612949	0.01145974	0.000632115	0.001060635	0.000463865	0.422388285	7.82314E-06	0.001550628	0.000787357	0.001986493	0.001216493
2087 Sep	0.101207457	1.02226E-05	7.924455166	9.543525696	0.089403436	0.002942811	29.63154984	0.005620086	0.011474062	0.00063258	0.001061817	0.000464318	0.422638535	7.82471E-06	0.001550731	0.000788752	0.001989589	0.001218921
2087 Oct	0.101213969	1.02252E-05	7.907464981	9.537983894	0.089307673	0.002936768	29.57141876	0.00561319	0.011464565	0.000631636	0.001060306	0.000463612	0.421879232	7.80805E-06	0.001547068	0.000788372	0.001988245	0.001218025
2087 Nov	0.101220086	1.02253E-05	7.899999619	9.533758163	0.089260787	0.002934022	29.5444622	0.005609528	0.011460754	0.000631236	0.00105952	0.000463259	0.421533793	7.80089E-06	0.001545447	0.000788159	0.001987583	0.001217334
2087 Dec	0.101224162	1.02257E-05	7.900155067	9.53396225	0.089263067	0.002934077	29.54504013	0.005609643	0.011461128	0.000631253	0.00105954	0.000463268	0.421542615	7.80105E-06	0.001545474	0.000788182	0.001987642	0.001217354
2088 Jan	0.101226062	1.02258E-05	7.900200844	9.534028053	0.089263976	0.002934091	29.54520798	0.005609678	0.011461276	0.000631259	0.001059545	0.000463271	0.421545416	7.8011E-06	0.001545481	0.000788193	0.001987664	0.001217359
2088 Feb	0.101227358	1.02259E-05	7.900238037	9.534080505	0.089264691	0.002934103	29.54534721	0.005609706	0.011461372	0.000631264	0.00105955	0.000463273	0.421547651	7.80114E-06	0.001545487	0.0007882	0.00198768	0.001217363
2088 Mar	0.101237543	1.02269E-05	7.900998116	9.535001755	0.089273438	0.002934384	29.54818726	0.005610246	0.011462498	0.000631326	0.001059652	0.000463318	0.421588302	7.80189E-06	0.001545634	0.000788278	0.001987874	0.001217479
2088 Apr	0.101321995	1.02354E-05	7.907543182	9.542933464	0.08934769	0.002936815	29.5726738	0.005614904	0.011472021	0.00063185	0.001060531	0.000463702	0.421937972	7.80835E-06	0.001546914	0.000788935	0.001989526	0.001218491
2088 May	0.101518624	1.02545E-05	7.920605183	9.559952736	0.089508407	0.002941646	29.62175751	0.00562458	0.011492489	0.000632962	0.001062336	0.000464489	0.422650397	7.82123E-06	0.001549423	0.000790405	0.00199309	0.001220613
2088 Jun	0.102192692	1.03034E-05	7.897394657	9.54784584	0.08950936	0.002932451	29.59674454	0.005619837	0.011517253	0.000633642	0.001060688	0.000463521	0.421705097	7.80364E-06	0.00154361	0.000793173	0.002001852	0.001216162
2088 Jul	0.102847554	1.0377E-05	7.94164753	9.607135773	0.090025149	0.002949542	29.78782272	0.005656241	0.011585318	0.000637371	0.001067495	0.000466343	0.424111456	7.84825E-06	0.001552309	0.000798335	0.002016362	0.001223437
2088 Aug	0.103419483	1.04403E-05	7.979746819	9.663743973	0.090504281	0.002964017	29.93335152	0.005687128	0.011646317	0.000640521	0.00107326	0.000468807	0.426231742	7.88572E-06	0.001559648	0.000802794	0.002027582	0.001230771
2088 Sep	0.103572465	1.04641E-05	7.9834342	9.683422089	0.090611964	0.002965901	29.95104027	0.005695166	0.011659166	0.000640921	0.001074686	0.000469352	0.426551461	7.88903E-06	0.001560228	0.000804045	0.002030645	0.001233477
2088 Oct	0.10336674	1.04519E-05	7.932094097	9.650715828	0.090202704	0.002947394	29.76474571	0.005669087	0.011619561	0.000637428	0.001069376	0.000466901	0.424089968	7.8395E-06	0.001549493	0.000801532	0.002024558	0.001228948
2088 Nov	0.10335283	1.04512E-05	7.921031475	9.643145561	0.090117961	0.002943334	29.72431374	0.005663291	0.011613603	0.000636723	0.00106817	0.000466352	0.423561007	7.8291E-06	0.001547126	0.000801079	0.002023557	0.001227798
2088 Dec	0.103358157	1.04517E-05	7.92129612	9.643479347	0.090121336	0.002943429	29.72529793	0.005663484	0.011614142	0.000636748	0.001068205	0.000466368	0.423575491	7.82937E-06	0.001547174	0.000801113	0.002023647	0.001227836
2089 Jan	0.103359513	1.04517E-05	7.92130661	9.643502235	0.090121776	0.002943431	29.72533607	0.005663495	0.011614242	0.000636751	0.001068206	0.000466368	0.423576385	7.82939E-06	0.001547174	0.00080112	0.002023662	0.001227835
2089 Feb	0.103361644	1.04519E-05	7.921411514	9.643636703	0.090123229	0.002943469	29.72572708	0.005663571	0.011614438	0.000636761	0.00106822	0.000466374	0.423582226	7.82949E-06	0.001547193	0.000801134	0.002023695	0.00122785
2089 Mar	0.103374183	1.04532E-05	7.922341347	9.644771576	0.090133935	0.002943813	29.72921371	0.005664236	0.011615824	0.000636836	0.001068345	0.000466429	0.423631996	7.83041E-06	0.001547374	0.00080123	0.002023935	0.001227993
2089 Apr	0.103428625	1.04587E-05	7.926491261	9.649828911	0.090181261	0.002945354	29.74478722	0.005667205	0.011621924	0.00063717	0.001068904	0.000466673	0.423854023	7.83451E-06	0.001548184	0.000801651	0.002024998	0.001228636
2089 May	0.104114324	1.04989E-05	7.9329319	9.665655136	0.090468667	0.002946975	29.8179493	0.005677477	0.011661311	0.000639807	0.001070152	0.000467232	0.42442748	7.84168E-06	0.001548609	0.000805392	0.002032337	0.001228721
2089 Jun	0.106372841	1.06387E-05	8.008189201	9.761845589	0.091804668	0.002973935	30.30143738	0.005745845	0.011812524	0.000651809	0.001081021	0.000472058	0.428953826	7.91472E-06	0.001561989	0.000819731	0.00206166	0.001235489
2089 Jul	0.106817581	1.06888E-05	8.020699501	9.799113274	0.092080928	0.00297891	30.3535347	0.005762559	0.011848844	0.000653366	0.001083987	0.000473246	0.429825962	7.92712E-06	0.001564023	0.000822845	0.002069087	0.001240154
2089 Aug	0.107233353	1.07348E-05	8.034026146	9.833352089	0.09234295	0.002984121	30.40786552	0.005778437	0.011883953	0.000654902	0.001086796	0.000474397	0.430706888	7.9404E-06	0.001566269	0.000825683	0.002075965	0.001244411
2089 Sep	0.107318029	1.07525E-05	8.021708488	9.842781067	0.092329085	0.002980212	30.36702347	0.005778152	0.011882714	0.000654282	0.001086527	0.000474176	0.430262148	7.92793E-06	0.001563512	0.000826134	0.002076689	0.001245699
2089 Oct	0.107744262	1.07946E-05	8.039129257	9.883984566	0.092628278	0.002988965	30.6315918	0.005809715	0.011917797	0.000656936	0.001090785	0.000476014	0.43154794	7.94351E-06	0.001567066	0.000829055	0.002083844	0.001249936
2089 Nov	0.10795109	1.08137E-05	8.058725357	9.906367302	0.092835493	0.00299682	30.76428986	0.00582693	0.011941591	0.000658713	0.001093608	0.000477268	0.432631016	7.96223E-06	0.001571111	0.000830732	0.002088129	0.001252544
2089 Dec	0.107957624	1.08143E-05	8.059071541	9.906806946	0.092839912	0.002996947	30.76560783	0.005827185	0.011942249	0.000658745	0.001093654	0.000477289	0.432650059	7.96258E-06	0.001571176	0.000830775	0.002088239	0.001252594
2090 Jan	0.107960656	1.08145E-05	8.05920887	9.906986237	0.092841826	0.002996996	30.76612854	0.005827287	0.011942531	0.000658758	0.001093672	0.000477297	0.432657748	7.96273E-06	0.0015712	0.000830795	0.002088285	0.001252613
2090 Feb	0.107964121	1.08148E-05	8.059412003	9.907241821	0.092844419	0.002997069	30.76690292	0.005827434	0.011942873	0.000658776	0.0010937	0.000477309	0.432668865	7.96293E-06	0.001571239	0.000830819	0.002088343	0.001252644
2090 Mar	0.107974179	1.08158E-05	8.060132027	9.908130646	0.092852853	0.002997336	30.76964951	0.005827956	0.011943961	0.000658836	0.001093797	0.000477351	0.432707667	7.96364E-06	0.001571378	0.000830895	0.002088533	0.001252755
2090 Apr	0.10800866	1.08193E-05	8.062688828	9.911275864	0.092882387	0.002998286	30.7794075	0.005829805	0.011947762	0.000659046	0.001094144	0.000477503	0.432844967	7.96617E-06	0.001571876	0.00083116	0.002089197	0.001253152
2090 May	0.108265094	1.08394E-05	8.078108788	9.9323444437	0.093094856	0.003004214	30.88742828	0.005844485	0.011970913	0.000660802	0.001096522	0.000478553	0.433749914	7.98078E-06	0.001574893	0.000833098	0.002093415	0.001255484
2090 Jun	0.111094259	1.1E-05	8.38051796	10.27719593	0.096658349	0.003125561	33.17019272	0.006120317	0.012211397	0.000693725	0.001141343	0.000498638	0.450751841	8.24999E-06	0.001638788	0.000860726	0.002144758	0.001294093
2090 Jul	0.11148756	1.10424E-05	8.428792	10.33517742	0.097159438	0.003144671	33.35910034	0.006155607	0.012253141	0.000697497	0.001148182	0.000501584	0.45326972	8.29497E-06	0.001648856	0.000864765	0.002154232	0.00130168
2090 Aug	0.111409143	1.10559E-05	8.416563034	10.34428215	0.097076498	0.003141603	33.28966904	0.006154352	0.012236948	0.000696295	0.001148	0.000501381	0.452735722	8.28204E-06	0.001646472	0.000864215	0.002153831	0.001303239
2090 Sep	0.110371895	1.10228E-05	8.500313759	10.39051914	0.097172536	0.003178525	33.47080994	0.006190699	0.012207231	0.000696938	0.001156675	0.000505367	0.456176668	8.35688E-06	0.001666808	0.000860248	0.002150979	0.001312595
2090 Oct	0.108401634	1.09191E-05	8.586141586	10.38742161	0.09675464	0.003217624	33.46095276	0.006200462	0.012126306	0.000693816	0.00116183	0.0005081	0.458941137	8.43418E-06	0.00168903	0.00084942	0.002135742	0.001316965
2090 Nov	0.107558206	1.08703E-05	8.602240562	10.3712492	0.096443906	0.003226079	33.36817932	0.006192198	0.012083868	0.000691268	0.001161595	0.000508174	0.459147125	8.44814E-06	0.001693946	0.000844238	0.002127095	0.001316779
2090 Dec	0.107563585	1.08708E-05	8.602406502	10.37147427	0.096446402	0.003226138	33.36831638	0.006192326	0.012084376	0.000691286	0.001161615	0.000508183	0.459156781	8.44833E-06	0.001693974	0.000844266	0.002127172	0.001316798
2091 Jan	0.107565135	1.08709E-05	8.602409363	10.37148952	0.096446812	0.003226137	33.36882401	0.006192331	0.012084488	0.000691289	0.001161615	0.000508183	0.459157348	8.44834E-06	0.001693971	0.000844272	0.002127186	0.001316796
2091 Feb	0.107566252	1.0871E-05	8.602422714	10.37151337	0.096447274	0.00322614	33.36886597	0.006192341	0.01208456	0.000691292	0.001161616	0.000508184	0.459158272	8.44835E-06	0.001693972	0.000844277	0.002127196	0.001316796
2091 Mar	0.107583046	1.08727E-05	8.60372448	10.37308788	0.096462034	0.003226627	33.37391281	0.006193279	0.012086419	0.000691397	0.001161792	0.000508261	0.45922792	8.44963E-06	0.001694228	0.000844407	0.002127522	0.001316995
2091 Apr	0.107648782	1.08793E-05	8.608957291	10.37940025	0.096520811	0.003228589	33.39421463	0.006197047	0.012093788	0.000691818	0.001162498	0.00050857	0.459507346	8.45477E-06	0.001695258	0.000844922	0.002128818	0.001317795
2091 May	0.107780993	1.08813E-05	8.613044739	10.37572289	0.096555047	0.003229793	33.34639359	0.006193261	0.012099869	0.000692213	0.00116201	0.000508479	0.45962128	8.45893E-06	0.001695904	0.000845125	0.002128799	0.001316749
2091 Jun	0.106521145	1.06983E-05	8.588810921	10.23232746	0.095642671	0.003219288	32.39997482	0.00608723	0.011939674	0.000686165	0.001147376	0.000503135	0.456517041	8.42926E-06	0.001692342	0.000832985	0.002094045	0.001297803
2091 Jul	0.107009858	1.07488E-05	8.625184059	10.27831459	0.096057929	0.003232971	32.48790359	0.006111096	0.01199	0.00068895	0.001152169	0.000505231	0.458422005	8.46475E-06	0.001699436	0.00083667	0.002103126	0.001303686
2091 Aug	0.107171744	1.07769E-05	8.604593277	10.28999615	0.096031629	0.003226076	32.41875076	0.00610915	0.011989389	0.000688004	0.0011514	0.000504766	0.457658201	8.44441E-06	0.001694738	0.000837326	0.002104255	0.001305142
2091 Sep	0.107184395	1.07852E-05	8.572024345	10.27881622	0.095839299	0.003214423	32.2995224	0.006095591	0.011973255	0.000686063	0.0011484	0.000503393	0.456195205	8.41302E-06	0.00168764	0.000836447	0.002101942	0.001303362
2091 Oct	0.106492497	1.0751E-05	8.613801003	10.29669952	0.095823027	0.003233321	32.36299896	0.006110263	0.011942577	0.000685906	0.001152038	0.000505236	0.457833827	8.44826E-06	0.001698027	0.00083313	0.00209657	0.001307564
2091 Nov	0.105828069	1.07126E-05	8.647851944	10.3015461	0.095738865	0.003248691	32.38564301	0.006117369	0.011912405	0.000685346	0.001154322	0.00050648	0.459052235	8.47688E-06	0.001706681	0.000829561	0.00209049	0.001309787
2091 Dec	0.105814107	1.07118E-05	8.648550987	10.30131435	0.095734522	0.003249012	32.384655	0.006117327	0.011911903	0.000685317	0.001154335	0.000506495	0.459073156	8.4775E-06	0.001706859	0.000829457	0.002090332	0.001309779
2092 Jan	0.105815701	1.07119E-05	8.648531914	10.30130672	0.095734797	0.003249002	32.3845787	0.006117318	0.011912001	0.000685319	0.001154331	0.000506494	0.459072649	8.47749E-06	0.001706852	0.000829463	0.002090343	0.001309773
2092 Feb	0.105818607	1.07121E-05	8.648674965	10.30148792	0.095736772	0.003249053	32.38511276	0.006117421	0.011912263	0.000685333	0.00115435	0.000506502	0.459080577	8.47763E-06	0.001706878	0.000829482	0.002090386	0.001309793
2092 Mar	0.105838105	1.07141E-05	8.650216103	10.30333042	0.095754057	0.003249631	32.39088821	0.006118513	0.011914423	0.000685456	0.001154555	0.000506592	0.459162623	8.47914E-06	0.001707181	0.000829632	0.002090763	0.001310025
2092 Apr	0.105891772	1.07195E-05	8.654574394	10.30852413	0.095802411	0.003251268	32.40720367	0.006121595	0.011920444	0.000685802	0.001155137	0.000506847	0.459394038	8.48341E-06	0.00170804	0.000830052	0.002091819	0.001310685
2092 May	0.106066778	1.07191E-05	8.668139458	10.31779766	0.095970258	0.003256376	32.46048355	0.006128662	0.011926187	0.000687496	0.001156257	0.000507505	0.46009177	8.4943E-06	0.001710794	0.000831081	0.002092256	0.001311162
2092 Jun	0.103688754	1.03812E-05	8.700906754	10.1858778	0.095386744	0.003266981	31.50593185	0.006030532	0.011617829	0.000685442	0.001146124	0.00050446	0.459182978	8.49436E-06	0.001721931	0.000816983	0.002038873	0.001296079
2092 Jul	0.102795005	1.03121E-05	8.706596375	10.15519905	0.095059916	0.003268945	31.08518028	0.005997477	0.011535317	0.000682294	0.001143683	0.000503413	0.458574712	8.49453E-06	0.001724491	0.00081221	0.002027037	0.001294628
2092 Aug	0.103225641	1.03622E-05	8.731547356	10.20053768	0.095413685	0.003278765	31.17869568	0.006020373	0.011577064	0.000684472	0.001147914	0.000505202	0.460028023	8.51848E-06	0.001729236	0.000815575	0.002035144	0.001300542
2092 Sep	0.103316702	1.0379E-05	8.718154907	10.20777988	0.095394596	0.003274281	31.13726425	0.006019174	0.011576006	0.000683849	0.001147435	0.0005049	0.459530652	8.5052E-06	0.001726205	0.000816008	0.00203582	0.001301472
2092 Oct	0.103298254	1.0381E-05	8.697680473	10.2003212	0.095270053	0.003266934	31.06868362	0.006010807	0.011564543	0.000682625	0.001145619	0.000504041	0.458609879	8.48533E-06	0.001721809	0.000815467	0.002034171	0.001300395
2092 Nov	0.103302933	1.03818E-05	8.692730904	10.19824123	0.095241025	0.003265128	31.05199623	0.006008684	0.011562482	0.000682349	0.001145152	0.000503824	0.458387136	8.4806E-06	0.00172073	0.00081536	0.002033844	0.001300062
2092 Dec	0.103309438	1.03824E-05	8.693112373	10.19870377	0.095245682	0.003265268	31.05335808	0.006008952	0.011563133	0.000682383	0.001145201	0.000503846	0.45840773	8.48099E-06	0.001720802	0.000815404	0.002033954	0.001300116
2093 Jan	0.1033106	1.03825E-05	8.693106651	10.19870758	0.09524598	0.003265264	31.0533371	0.006008951	0.011563205	0.000682385	0.0011452	0.000503846	0.45840776	8.48098E-06	0.001720799	0.000815409	0.002033963	0.001300113
2093 Feb	0.10331317	1.03827E-05	8.693257332	10.19889259	0.095247917	0.003265319	31.05387878	0.006009057	0.011563447	0.000682399	0.00114522	0.000503854	0.458415985	8.48113E-06	0.001720827	0.000815427	0.002034004	0.001300134
2093 Mar	0.103340998	1.03855E-05	8.695563316	10.20160294	0.095273331	0.003266184	31.06211662	0.006010652	0.011566537	0.000682581	0.001145523	0.000503988	0.458537728	8.48338E-06	0.001721283	0.000815645	0.002034547	0.001300478
2093 Apr	0.103397004	1.03911E-05	8.700255394	10.2071104	0.095324829	0.003267946	31.0788765	0.006013896	0.011572791	0.00068295	0.001146141	0.00050426	0.458785206	8.48796E-06	0.001722211	0.000816086	0.002035646	0.00130118
2093 May	0.103699833	1.04043E-05	8.704620361	10.21683407	0.095492117	0.003269079	31.13220024	0.00602044	0.011586442	0.000684515	0.001146974	0.000504652	0.459150016	8.49138E-06	0.001722734	0.000817965	0.00203844	0.001301558
2093 Jun	0.103630096	1.03245E-05	8.778633118	10.27379227	0.096345805	0.003296471	31.47870255	0.006067201	0.011511393	0.000693521	0.001156493	0.000508951	0.46287328	8.53795E-06	0.001739975	0.000822817	0.002035282	0.00130856
2093 Jul	0.103952177	1.03604E-05	8.811236382	10.31822777	0.096722469	0.003308943	31.55765724	0.006089973	0.011540369	0.000696061	0.001161233	0.000510961	0.464585096	8.56718E-06	0.001746633	0.000825993	0.002042176	0.001314618
2093 Aug	0.104328237	1.04045E-05	8.82689476	10.35609913	0.097001746	0.00331526	31.61918449	0.00610764	0.011572596	0.000697669	0.001164431	0.000512281	0.46558401	8.58201E-06	0.00174946	0.000828836	0.002048762	0.001319531
2093 Sep	0.10440743	1.04208E-05	8.809062958	10.3623333	0.096957773	0.003309214	31.56288338	0.006104772	0.011568168	0.000696785	0.001163606	0.000511807	0.464890331	8.56425E-06	0.001745499	0.000829165	0.002048934	0.001320357
2093 Oct	0.103928789	1.03978E-05	8.810522079	10.36986065	0.096825883	0.003312458	31.64431381	0.006113646	0.01153136	0.000695859	0.001164883	0.000512305	0.464967191	8.5595E-06	0.001747063	0.000826947	0.002044333	0.001322338
2093 Nov	0.103634939	1.0386E-05	8.845567703	10.39213181	0.096933663	0.003327459	31.79944611	0.006134601	0.01152676	0.000696984	0.001168976	0.000514149	0.466562539	8.58862E-06	0.001755507	0.000826243	0.002044112	0.001326211
2093 Dec	0.103642248	1.03866E-05	8.845860481	10.39251041	0.096937783	0.003327563	31.80049706	0.006134815	0.011527432	0.000697015	0.001169013	0.000514165	0.46657896	8.58893E-06	0.001755558	0.000826286	0.002044219	0.001326248
2094 Jan	0.103644572	1.03867E-05	8.84591198	10.39258671	0.096938848	0.00332758	31.80068779	0.006134854	0.011527614	0.000697022	0.001169019	0.000514168	0.466582179	8.58899E-06	0.001755566	0.000826298	0.002044245	0.001326253
2094 Feb	0.103646465	1.03869E-05	8.845981598	10.39267921	0.096939981	0.003327604	31.80093765	0.006134904	0.011527763	0.00069703	0.001169028	0.000514172	0.466586173	8.58906E-06	0.001755578	0.000826309	0.002044269	0.001326262
2094 Mar	0.103661001	1.03883E-05	8.847171783	10.39408207	0.096953236	0.00332805	31.80521393	0.006135731	0.011529345	0.000697125	0.001169185	0.000514241	0.466649115	8.59021E-06	0.001755813	0.000826423	0.002044548	0.001326439
2094 Apr	0.103699505	1.03921E-05	8.850430489	10.39791393	0.096989058	0.003329275	31.81692886	0.006137991	0.01153361	0.000697383	0.001169615	0.000514431	0.466821104	8.59338E-06	0.001756459	0.000826729	0.002045304	0.001326927
2094 May	0.103841215	1.03869E-05	8.880261421	10.42242432	0.097288974	0.003340869	31.97519112	0.006158256	0.011537213	0.000700387	0.001173154	0.000516111	0.468364358	8.61598E-06	0.001763063	0.000828468	0.002046437	0.001329651
2094 Jun	0.104046233	1.03652E-05	8.949808121	10.48005009	0.097969301	0.003367873	32.25756836	0.006200636	0.011528721	0.000706969	0.001181226	0.000519922	0.471859515	8.66657E-06	0.001778656	0.000832109	0.002047022	0.001336638

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.104673818	1.04306E-05	8.985887527	10.5383215	0.098466679	0.00338167	32.3917923	0.006231204	0.011588172	0.000710263	0.001186892	0.000522343	0.473914057	8.7014E-06	0.001785517	0.000836846	0.002058212	0.00134399
2094 Aug	0.105287164	1.04942E-05	9.029378845	10.59870625	0.098998442	0.003398223	32.55112839	0.006264622	0.011650903	0.000713913	0.001193158	0.000525065	0.476294428	8.74338E-06	0.001794001	0.000841604	0.002069678	0.001351685
2094 Sep	0.105386302	1.051E-05	9.008370399	10.60155678	0.098934069	0.003390907	32.48287201	0.006259541	0.011646564	0.000712898	0.001191852	0.000524394	0.475447834	8.7228E-06	0.001789311	0.000841847	0.002069511	0.001351919
2094 Oct	0.105280399	1.05017E-05	8.955069542	10.5701952	0.098561957	0.003371339	32.29895782	0.006233259	0.011613538	0.000709642	0.001186329	0.000521882	0.472957283	8.67166E-06	0.001777925	0.000839806	0.002063676	0.00134739
2094 Nov	0.105240285	1.04947E-05	8.918935776	10.54816723	0.098311707	0.00335838	32.23942566	0.006219048	0.011594397	0.000707753	0.001182671	0.000520267	0.471337378	8.63676E-06	0.001770238	0.000838398	0.002059692	0.001343809
2094 Dec	0.105246559	1.04954E-05	8.919653893	10.55005646	0.098322161	0.00335879	32.25724411	0.006220801	0.011595221	0.000707861	0.001182877	0.00052036	0.471397579	8.63725E-06	0.001770408	0.000838469	0.002059835	0.001344026
2095 Jan	0.105249584	1.04956E-05	8.919733047	10.55016899	0.098323643	0.003358816	32.25753784	0.006220862	0.011595462	0.000707872	0.001182887	0.000520364	0.471402377	8.63734E-06	0.00177042	0.000838485	0.00205987	0.001344034
2095 Feb	0.105252251	1.04959E-05	8.91992569	10.55040073	0.098325998	0.003358889	32.25860214	0.006221018	0.011595718	0.00070789	0.001182913	0.000520376	0.471413076	8.63752E-06	0.001770458	0.000838505	0.002059914	0.001344061
2095 Mar	0.105261564	1.04967E-05	8.920672417	10.55128956	0.098334432	0.003359169	32.26138687	0.006221544	0.011596712	0.00070795	0.001183012	0.00052042	0.471452773	8.63824E-06	0.001770606	0.000838578	0.002060089	0.001344172
2095 Apr	0.10531085	1.05016E-05	8.924814224	10.5561924	0.09838023	0.003360728	32.276371	0.006224434	0.01160212	0.00070828	0.001183561	0.000520661	0.471671849	8.64225E-06	0.001771427	0.000838969	0.002061048	0.001344796
2095 May	0.105984986	1.05357E-05	8.957262993	10.60367966	0.098920725	0.003373329	32.57245636	0.006260049	0.011645422	0.000713219	0.001188701	0.000523049	0.473730594	8.66864E-06	0.001777795	0.000843752	0.002068389	0.001349266
2095 Jun	0.10731189	1.06098E-05	9.048536301	10.72088432	0.100179233	0.003408796	33.22172165	0.00634472	0.011740969	0.000724335	0.00120209	0.000529178	0.479074925	8.74505E-06	0.001796357	0.000854159	0.002085316	0.0013618
2095 Jul	0.107965894	1.06772E-05	9.088755608	10.78241539	0.100710735	0.003424176	33.37290192	0.006377712	0.011804285	0.000727917	0.001208192	0.000531811	0.481335759	8.78381E-06	0.00180408	0.000859084	0.002096968	0.001369562
2095 Aug	0.108083434	1.0701E-05	9.063969612	10.79201126	0.100653999	0.003415758	33.29215622	0.006373827	0.011798213	0.000726696	0.00120705	0.000531167	0.480376869	8.75918E-06	0.001798551	0.00085949	0.002097096	0.001370865
2095 Sep	0.108215079	1.07191E-05	9.046437263	10.79564667	0.100614555	0.003409603	33.23390961	0.006369937	0.011798031	0.000725927	0.001205957	0.000530624	0.47968784	8.74229E-06	0.00179453	0.00085984	0.002097471	0.001371108
2095 Oct	0.108242579	1.07252E-05	9.037846565	10.79689789	0.100582756	0.003406674	33.20539856	0.006367858	0.011795779	0.000725451	0.001205424	0.000530352	0.479338497	8.73386E-06	0.001792633	0.000859855	0.002097272	0.00137126
2095 Nov	0.108218484	1.07199E-05	9.010781288	10.7760973	0.100382708	0.003396475	33.10848236	0.006352654	0.011781888	0.000723846	0.001202235	0.00052895	0.478043556	8.70851E-06	0.001786777	0.000858712	0.002094258	0.00136809
2095 Dec	0.108222619	1.07197E-05	9.007488251	10.77350616	0.100359619	0.00339522	33.09665298	0.006350778	0.011780743	0.000723664	0.001201834	0.000528776	0.477887005	8.70547E-06	0.001786052	0.000858595	0.002093949	0.001367673
2096 Jan	0.108225554	1.07198E-05	9.007533073	10.77358055	0.100360826	0.003395233	33.09681702	0.006350815	0.011780955	0.000723673	0.001201839	0.000528778	0.477890044	8.70552E-06	0.001786057	0.00085861	0.002093979	0.001367676
2096 Feb	0.108231366	1.07203E-05	9.007892609	10.77402496	0.100365363	0.003395365	33.0981369	0.00635107	0.011781504	0.000723705	0.001201886	0.000528799	0.477909565	8.70587E-06	0.001786126	0.000858651	0.002094072	0.001367728
2096 Mar	0.108241677	1.07213E-05	9.008682251	10.77497768	0.100374445	0.003395661	33.10103607	0.006351629	0.011782581	0.00072377	0.001201991	0.000528845	0.477951705	8.70664E-06	0.001786281	0.000858729	0.002094261	0.001367847
2096 Apr	0.108289242	1.0726E-05	9.012602806	10.77967167	0.100418299	0.003397138	33.115448	0.006354394	0.011787733	0.000724087	0.001202514	0.000529075	0.478159904	8.71043E-06	0.001787058	0.000859105	0.002095176	0.001368441
2096 May	0.108835869	1.0759E-05	9.038416862	10.82075214	0.100861587	0.00340716	33.39038467	0.006386088	0.011827403	0.000728082	0.001207003	0.000531121	0.479853809	8.73292E-06	0.001792037	0.000863097	0.002102335	0.001372499
2096 Jun	0.111204952	1.08855E-05	9.348127365	11.16651726	0.104390994	0.00352903	35.5933876	0.006659853	0.012009866	0.000760631	0.00125239	0.000551434	0.49706915	8.99119E-06	0.001858491	0.000888826	0.002146648	0.00141315
2096 Jul	0.111343347	1.09186E-05	9.424643517	11.23754501	0.104967758	0.003558894	35.78201675	0.006703106	0.01204155	0.000764888	0.001261944	0.000555544	0.500712752	9.05917E-06	0.001875209	0.000892344	0.002156005	0.001423666
2096 Aug	0.111871533	1.09749E-05	9.459300041	11.29039764	0.105415985	0.003572248	35.91622925	0.006731786	0.012093772	0.000767898	0.001267245	0.000557827	0.502656102	9.09239E-06	0.001881924	0.000896449	0.002165831	0.001430406
2096 Sep	0.111829303	1.09824E-05	9.419683456	11.27777958	0.105171584	0.003558059	35.77349472	0.006715655	0.012073389	0.000765357	0.001263836	0.000556185	0.500871062	9.05448E-06	0.001873392	0.000895417	0.002163101	0.001428728
2096 Oct	0.111486852	1.09652E-05	9.374881744	11.23877716	0.104683474	0.003542381	35.61225891	0.006689972	0.012037596	0.000761391	0.001258605	0.000553826	0.498599708	9.01246E-06	0.001864281	0.000891765	0.002156598	0.001423567
2096 Nov	0.111406446	1.09658E-05	9.384902954	11.24255085	0.104680263	0.003546785	35.64914703	0.006694853	0.012040852	0.000761429	0.00125957	0.000554272	0.499017954	9.02196E-06	0.001866659	0.000891318	0.002157045	0.001424259
2096 Dec	0.111409433	1.0966E-05	9.384968758	11.24264622	0.10468147	0.003546807	35.64938736	0.006694905	0.012041111	0.000761438	0.001259577	0.000554275	0.499021947	9.02203E-06	0.001866668	0.000891332	0.002157083	0.001424265
2097 Jan	0.111410461	1.09661E-05	9.384936333	11.24261856	0.104681492	0.003546793	35.64926529	0.006694885	0.012041166	0.000761438	0.001259573	0.000554273	0.499020636	9.02201E-06	0.00186666	0.000891335	0.002157089	0.001424258
2097 Feb	0.111411214	1.09661E-05	9.384926796	11.24261475	0.104681678	0.003546787	35.64922333	0.00669488	0.012041203	0.000761439	0.001259571	0.000554272	0.499020338	9.022E-06	0.001866656	0.000891338	0.002157093	0.001424255
2097 Mar	0.111420572	1.0967E-05	9.38567543	11.24351597	0.104690187	0.003547069	35.65206909	0.006695414	0.012042189	0.000761501	0.001259671	0.000554316	0.499060273	9.02272E-06	0.001866804	0.000891412	0.002157268	0.001424367
2097 Apr	0.111483745	1.09732E-05	9.390972137	11.24986458	0.104749374	0.00354907	35.67219162	0.006699194	0.012049003	0.000761931	0.001260382	0.000554629	0.499342054	9.02782E-06	0.001867857	0.000891916	0.002158488	0.001425171
2097 May	0.111777574	1.09924E-05	9.395474434	11.25735474	0.104870319	0.003550374	35.68281555	0.006702645	0.01206846	0.000762922	0.001260885	0.000554879	0.49963972	9.03257E-06	0.001868378	0.000893396	0.002161541	0.001425415
2097 Jun	0.112137906	1.09997E-05	9.45559597	11.26771355	0.10521207	0.003572348	35.62253571	0.00670942	0.01209348	0.000766422	0.001264198	0.000556658	0.502036333	9.08563E-06	0.001881181	0.000895072	0.002165093	0.00142547
2097 Jul	0.112716794	1.10597E-05	9.494537354	11.32220364	0.105689779	0.003587193	35.74853897	0.006738686	0.012150202	0.000769678	0.001269789	0.000559073	0.504154563	9.12303E-06	0.00188876	0.000899436	0.002175687	0.001432339
2097 Aug	0.11308758	1.11037E-05	9.510627747	11.36002922	0.105965443	0.003593746	35.81364441	0.006756619	0.012182832	0.000771269	0.00127301	0.00056041	0.505171597	9.13826E-06	0.001891698	0.000902215	0.002182233	0.001437241
2097 Sep	0.113260336	1.11283E-05	9.514298439	11.38057232	0.106083073	0.003595642	35.83153152	0.006764869	0.012196423	0.000771739	0.001274441	0.000560968	0.505503178	9.14142E-06	0.001892244	0.000903553	0.002185291	0.001440011
2097 Oct	0.113201171	1.11262E-05	9.485492706	11.36409569	0.105875961	0.003585079	35.72698212	0.006750589	0.012180179	0.000769866	0.001271486	0.00055961	0.504151285	9.11418E-06	0.001886074	0.000902435	0.002182454	0.001437697
2097 Nov	0.113150761	1.11225E-05	9.468735695	11.35251999	0.105745502	0.003578877	35.6656723	0.006741591	0.012169718	0.000768749	0.001269649	0.000558777	0.503347933	9.0984E-06	0.001882507	0.000901655	0.002180534	0.001436078
2097 Dec	0.113137834	1.11216E-05	9.46566391	11.35045052	0.105720878	0.00357775	35.65446472	0.006739961	0.012167534	0.000768536	0.001269319	0.000558627	0.503200293	9.09548E-06	0.00188186	0.0009015	0.00218015	0.0014358
2098 Jan	0.113140292	1.11218E-05	9.46566391	11.35047054	0.105721578	0.003577746	35.65445709	0.006739966	0.012167697	0.000768541	0.001269318	0.000558627	0.503200948	9.09549E-06	0.001881856	0.00090151	0.002180171	0.001435796
2098 Feb	0.113142677	1.11219E-05	9.465734482	11.35057163	0.105722912	0.003577769	35.65472031	0.006740019	0.012167872	0.00076855	0.001269327	0.000558631	0.50320518	9.09556E-06	0.001881867	0.000901524	0.002180199	0.001435804
2098 Mar	0.113149211	1.11225E-05	9.466210365	11.35114956	0.105728522	0.003577947	35.65651321	0.00674036	0.012168529	0.00076859	0.00126939	0.000558659	0.503230751	9.09602E-06	0.00188196	0.000901573	0.002180315	0.001435875
2098 Apr	0.113195367	1.1126E-05	9.468003273	11.35381699	0.105758049	0.003578583	35.663311	0.006741777	0.01217217	0.000768788	0.001269638	0.000558768	0.503335536	9.09776E-06	0.001882276	0.000901867	0.00218092	0.001436152
2098 May	0.114171088	1.1154E-05	9.464583397	11.34441376	0.106053434	0.003574367	35.57915878	0.006732135	0.012208577	0.000771705	0.001267585	0.000558102	0.503294647	9.09461E-06	0.00187996	0.000905922	0.00218524	0.001431483
2098 Jun	0.115796998	1.11233E-05	9.57463932	11.31440735	0.107104763	0.003606385	34.86749649	0.006687444	0.012233783	0.00078161	0.001266881	0.000558978	0.507081747	9.19035E-06	0.001901015	0.000912974	0.002184976	0.001421997
2098 Jul	0.116409086	1.11801E-05	9.626067162	11.37071514	0.107661724	0.003625434	34.95898438	0.006716256	0.012292669	0.000785497	0.001273062	0.000561716	0.509672642	9.23939E-06	0.001911194	0.000917669	0.002195776	0.001429137
2098 Aug	0.116631545	1.12116E-05	9.611274719	11.38854599	0.107709721	0.003620524	34.91458893	0.006718135	0.012298259	0.000785111	0.001273061	0.00056158	0.509218395	9.22461E-06	0.001907643	0.000918981	0.002198049	0.001431408
2098 Sep	0.116323233	1.11961E-05	9.571249962	11.3571558	0.107308768	0.003606446	34.6726265	0.006690101	0.012256164	0.000781409	0.001268101	0.000559389	0.507124126	9.18623E-06	0.001899379	0.000915737	0.002190892	0.001427547
2098 Oct	0.115342855	1.11465E-05	9.638661385	11.35254383	0.107146151	0.003635137	34.53508377	0.006688536	0.012222653	0.000779939	0.001271164	0.000561137	0.50928539	9.24931E-06	0.001915628	0.000909786	0.002183151	0.00142962
2098 Nov	0.114752419	1.11161E-05	9.671686172	11.35036278	0.107033856	0.00364954	34.48517227	0.006688815	0.012201499	0.00077895	0.001272811	0.000562044	0.510338426	9.28011E-06	0.001923775	0.000906411	0.002178511	0.001430967
2098 Dec	0.114759326	1.11167E-05	9.671908379	11.35070324	0.10703747	0.00364962	34.48598099	0.006688995	0.012202099	0.000778976	0.001272841	0.000562058	0.510351539	9.28034E-06	0.001923812	0.00090645	0.002178604	0.001430999
2099 Jan	0.114762001	1.11169E-05	9.671987534	11.350811	0.107038848	0.003649647	34.48626328	0.006689053	0.012202312	0.000778986	0.001272851	0.000562062	0.510356188	9.28043E-06	0.001923825	0.000906465	0.002178636	0.001431008
2099 Feb	0.114764899	1.11171E-05	9.672142029	11.35100269	0.107040927	0.003649703	34.48681641	0.006689161	0.012202565	0.000779	0.00127287	0.000562071	0.510364652	9.28057E-06	0.001923853	0.000906484	0.002178678	0.001431029
2099 Mar	0.114786752	1.11192E-05	9.673933029	11.35311127	0.107060961	0.003650377	34.49320221	0.006690401	0.012204857	0.000779146	0.001273106	0.000562175	0.510459363	9.28229E-06	0.001924209	0.000906655	0.002179086	0.001431293
2099 Apr	0.114897795	1.11281E-05	9.679635048	11.36073589	0.107141204	0.00365246	34.51335907	0.006694573	0.012214288	0.000779693	0.001273864	0.000562512	0.510777175	9.28778E-06	0.001925271	0.000907402	0.002180673	0.001432148
2099 May	0.11494831	1.10145E-05	9.678287506	11.26259041	0.106994703	0.003648051	33.77051544	0.006613682	0.012136695	0.000776317	0.001262952	0.000558588	0.50942719	9.28284E-06	0.001924239	0.000903377	0.002158141	0.001416668
2099 Jun	0.114107683	1.08814E-05	9.689602852	11.17955208	0.106643543	0.003650287	32.95001221	0.006536412	0.01201837	0.000771596	0.001254729	0.000555597	0.508354187	9.28943E-06	0.001927311	0.000896463	0.002133453	0.001407049
2099 Jul	0.114655226	1.09337E-05	9.722880363	11.22796917	0.107085675	0.003662855	33.02641678	0.00655988	0.012065904	0.000774401	0.001259388	0.000557623	0.510163546	9.3211E-06	0.00193366	0.000900482	0.002142247	0.001413108
2099 Aug	0.115190536	1.09911E-05	9.744480133	11.27770901	0.107476346	0.003671481	33.10777283	0.006583012	0.012109336	0.000776655	0.001263525	0.000559365	0.511532545	9.34122E-06	0.001937524	0.000904371	0.002150711	0.001419367
2099 Sep	0.115147263	1.09907E-05	9.693469048	11.25525188	0.107173949	0.003652726	32.94620514	0.00656105	0.012080938	0.000773664	0.001258706	0.000557135	0.50923425	9.29214E-06	0.001926488	0.000902964	0.002146093	0.001416079
2099 Oct	0.114956953	1.09774E-05	9.671660423	11.23773003	0.106952883	0.003645462	32.84387207	0.006547134	0.01205679	0.00077154	0.001255973	0.000555966	0.508120954	9.27142E-06	0.001922022	0.000900992	0.0021413	0.001413854
2099 Nov	0.114660881	1.09608E-05	9.697107315	11.24431515	0.106970355	0.003656632	32.8601265	0.006552957	0.012046514	0.000771445	0.001257781	0.000556912	0.509091496	9.29543E-06	0.00192801	0.000899483	0.002138927	0.001415586
2099 Dec	0.114665836	1.09613E-05	9.697833061	11.24490738	0.106976271	0.003656913	32.86194229	0.00655333	0.01204717	0.000771488	0.001257857	0.000556947	0.509126365	9.29613E-06	0.00192816	0.000899521	0.002139029	0.001415662
2100 Jan	0.114666089	1.09613E-05	9.69802475	11.24499893	0.106977351	0.00365699	32.86226654	0.006553397	0.012047257	0.000771496	0.001257873	0.000556955	0.509134769	9.29632E-06	0.001928201	0.000899524	0.002139038	0.001415675
2100 Feb	0.11466641	1.09613E-05	9.698285103	11.24516296	0.106979005	0.003657093	32.86282349	0.006553509	0.012047371	0.000771507	0.001257898	0.000556967	0.509146571	9.29656E-06	0.001928257	0.00089953	0.002139054	0.001415698
2100 Mar	0.114671111	1.09618E-05	9.698677063	11.24560261	0.106983319	0.00365724	32.86410522	0.006553765	0.012047851	0.000771538	0.001257947	0.000556989	0.509167016	9.29694E-06	0.001928335	0.000899566	0.002139138	0.001415753
2100 Apr	0.11474333	1.09687E-05	9.704755783	11.25265598	0.107050501	0.003659532	32.8847084	0.006557874	0.012055421	0.000772023	0.001258736	0.000557338	0.509486318	9.30277E-06	0.001929543	0.000900131	0.002140481	0.00141664
2100 May	0.115223564	1.09686E-05	9.713207245	11.24651527	0.107268155	0.003661731	32.83459854	0.006552458	0.012066386	0.000774093	0.001257842	0.000557254	0.509855926	9.31065E-06	0.001930551	0.000901971	0.002140353	0.001413882
2100 Jun	0.114149973	1.07828E-05	9.791428566	11.17034817	0.107280068	0.003690542	32.03685379	0.006485861	0.011917009	0.00077486	0.001254135	0.000556781	0.511400938	9.38089E-06	0.001948501	0.000895416	0.002112935	0.001405582
2100 Jul	0.113867857	1.07719E-05	9.803094864	11.1741457	0.107251361	0.003695626	31.84882545	0.006477667	0.011892365	0.000773929	0.001254615	0.000556964	0.51161027	9.39175E-06	0.001951328	0.000894372	0.002110508	0.001407537
2100 Aug	0.113656484	1.07751E-05	9.79122448	11.17682838	0.107122593	0.003692432	31.72397995	0.006470723	0.011869578	0.000772171	0.001253907	0.00055655	0.510975301	9.38013E-06	0.001949042	0.000893157	0.002108391	0.001408872
2100 Sep	0.11330159	1.07656E-05	9.799778938	11.17789745	0.107024573	0.003696976	31.62761497	0.006467137	0.01184802	0.000770968	0.00125439	0.000556765	0.511113763	9.3886E-06	0.001951389	0.000891308	0.002105991	0.001410326
2100 Oct	0.113156155	1.0765E-05	9.807167053	11.18526649	0.107019976	0.003700685	31.62128067	0.006470302	0.011841891	0.000770708	0.001255351	0.000557176	0.511399984	9.39543E-06	0.001953238	0.000890771	0.002105595	0.001411949
2100 Nov	0.113108292	1.07647E-05	9.813290596	11.1892519	0.107038587	0.003703302	31.62905884	0.006472814	0.011841566	0.000770814	0.001256001	0.00055747	0.511657238	9.40124E-06	0.001954649	0.000890662	0.002105736	0.001412717
2100 Dec	0.113118805	1.07657E-05	9.814006805	11.19010162	0.107047051	0.00370357	31.63138008	0.006473297	0.011842587	0.000770875	0.001256092	0.00055751	0.511695206	9.40194E-06	0.001954787	0.000890737	0.002105911	0.001412819
2101 Jan	0.113121651	1.07659E-05	9.814131737	11.19025803	0.107048854	0.003703614	31.63179016	0.006473383	0.011842824	0.000770888	0.001256108	0.000557518	0.51170218	9.40206E-06	0.00195481	0.000890754	0.002105949	0.001412834
2101 Feb	0.113122933	1.0766E-05	9.81416893	11.19030952	0.107049584	0.003703626	31.63191605	0.006473409	0.011842912	0.000770893	0.001256112	0.00055752	0.511704445	9.4021E-06	0.001954816	0.000890762	0.002105963	0.001412838
2101 Mar	0.113126777	1.07663E-05	9.814462662	11.19064808	0.107052952	0.003703736	31.63286209	0.006473604	0.01184329	0.000770917	0.001256149	0.000557536	0.511719823	9.40238E-06	0.001954874	0.00089079	0.002106029	0.00141288
2101 Apr	0.113169521	1.07704E-05	9.818069458	11.19481087	0.107092857	0.003705096	31.64450455	0.006475999	0.011847701	0.000771203	0.001256613	0.000557742	0.511908531	9.40583E-06	0.00195559	0.000891125	0.002106813	0.001413404
2101 May	0.113240153	1.07535E-05	9.82449913	11.1762104	0.107118703	0.003706828	31.5350666	0.006464006	0.011836313	0.000771999	0.001255271	0.00055738	0.511939108	9.41334E-06	0.001956728	0.000890879	0.002104721	0.001410223

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.112132274	1.06335E-05	9.863249779	11.11562443	0.106866524	0.0037215	30.97806358	0.006416221	0.011721825	0.000770914	0.001252443	0.000556671	0.512220323	9.45156E-06	0.001966306	0.000884607	0.002087759	0.00140486
2101 Jul	0.112607867	1.06831E-05	9.91323185	11.17095947	0.107378684	0.003740575	31.07740974	0.006445228	0.011771435	0.000774441	0.001258638	0.000559411	0.514726281	9.49941E-06	0.001976376	0.000888677	0.002097339	0.001412246
2101 Aug	0.113132842	1.0739E-05	9.94992733	11.22640514	0.107848413	0.003754807	31.19769859	0.00647406	0.011821322	0.000777514	0.00126413	0.000561786	0.516753912	9.53406E-06	0.001983539	0.000892848	0.002106875	0.001419413
2101 Sep	0.113171652	1.07472E-05	9.907155037	11.21242046	0.107629068	0.003739023	31.0768261	0.006458173	0.01180363	0.000775303	0.001260443	0.000560046	0.514888227	9.49305E-06	0.001974173	0.000892197	0.002104391	0.001417203
2101 Oct	0.113185339	1.075E-05	9.884945869	11.20334148	0.107503943	0.003730816	31.0134697	0.006449276	0.011794857	0.00077411	0.001258406	0.000559096	0.513904393	9.4719E-06	0.001969326	0.000891752	0.00210292	0.001415786
2101 Nov	0.113095783	1.07396E-05	9.843178749	11.17329693	0.107197821	0.003715051	30.88945198	0.006427994	0.011771425	0.000771639	0.001253828	0.000557037	0.511937678	9.43257E-06	0.001960375	0.000890028	0.002098409	0.001411388
2101 Dec	0.113103889	1.07388E-05	9.837564468	11.1684866	0.107159041	0.003712856	30.87254333	0.00642485	0.011769759	0.000771355	0.001253139	0.000556737	0.511672199	9.42744E-06	0.001959135	0.000889846	0.002097933	0.001410611
2102 Jan	0.113105364	1.07389E-05	9.837475777	11.1684103	0.107158855	0.003712817	30.87228012	0.006424798	0.011769808	0.000771353	0.001253127	0.000556731	0.511668265	9.42736E-06	0.001959113	0.000889849	0.002097934	0.001410594
2102 Feb	0.113107972	1.0739E-05	9.837568283	11.16853046	0.107160427	0.003712848	30.87257576	0.006424861	0.011769998	0.000771364	0.001253138	0.000556736	0.51167357	9.42745E-06	0.001959129	0.000889864	0.002097964	0.001410605
2102 Mar	0.113114536	1.07396E-05	9.838066101	11.16910458	0.107166164	0.003713034	30.8741436	0.006425188	0.011770638	0.000771405	0.001253201	0.000556765	0.511699736	9.42793E-06	0.001959226	0.000889913	0.002098076	0.001410675
2102 Apr	0.113146693	1.07426E-05	9.840821266	11.1722374	0.107196353	0.003714073	30.88279533	0.006426989	0.01177396	0.000771623	0.001253552	0.00055692	0.511843264	9.43057E-06	0.001959774	0.000890165	0.002098667	0.001411069
2102 May	0.11330118	1.07574E-05	9.85413456	11.18754101	0.107342385	0.003719103	30.92464447	0.00643575	0.011789965	0.00077267	0.001255259	0.000557678	0.51253736	9.44332E-06	0.001962424	0.000891381	0.002101528	0.001413004
2102 Jun	0.111550681	1.07311E-05	9.877391815	11.14207458	0.106450401	0.003734372	30.98686981	0.006438446	0.011744155	0.000766614	0.001258296	0.00055823	0.512501299	9.48632E-06	0.001970287	0.000883204	0.002107239	0.001411641
2102 Jul	0.110184543	1.07212E-05	9.928068161	11.13867188	0.105990753	0.003758473	30.97579765	0.006449905	0.011718436	0.00076286	0.00126393	0.00056013	0.513905644	9.54795E-06	0.001983414	0.000877745	0.002112891	0.001416054
2102 Aug	0.110493667	1.07636E-05	9.937410355	11.17112637	0.106194846	0.003762569	31.0131321	0.006464035	0.011745294	0.000763806	0.001266462	0.000561125	0.514576912	9.55709E-06	0.001984971	0.000880057	0.002118849	0.001420341
2102 Sep	0.110558808	1.07814E-05	9.922299385	11.17543221	0.106139153	0.003757365	30.97400856	0.006462032	0.011746048	0.000762898	0.001265802	0.000560713	0.513982594	9.54299E-06	0.001981591	0.000880284	0.002119882	0.001420938
2102 Oct	0.109939106	1.07606E-05	9.875626564	11.1342144	0.105533414	0.003741506	30.79063988	0.006435048	0.01170117	0.000757756	0.001260793	0.000558307	0.511518598	9.50167E-06	0.001972408	0.000875554	0.002113366	0.001416651
2102 Nov	0.109934784	1.07627E-05	9.876887321	11.1349802	0.105530225	0.003742093	30.79046822	0.006435568	0.011702925	0.000757704	0.001260932	0.000558362	0.511566222	9.50326E-06	0.001972685	0.000875519	0.002113731	0.001416804
2102 Dec	0.109940924	1.07633E-05	9.877277374	11.1354332	0.105534725	0.003742238	30.79169273	0.006435828	0.011703542	0.000757736	0.001260982	0.000558384	0.511586845	9.50365E-06	0.00197276	0.000875561	0.002113837	0.001416857
2103 Jan	0.10994269	1.07634E-05	9.877332687	11.13550568	0.105535612	0.003742257	30.79187012	0.006435868	0.011703691	0.000757742	0.001260989	0.000558387	0.511590004	9.50371E-06	0.001972769	0.000875571	0.002113861	0.001416863
2103 Feb	0.10994681	1.07638E-05	9.877636909	11.13585472	0.105539098	0.00374237	30.79282188	0.006436068	0.011704096	0.000757767	0.001261027	0.000558404	0.511605918	9.504E-06	0.001972828	0.000875601	0.002113933	0.001416906
2103 Mar	0.109955408	1.07646E-05	9.878373146	11.13668823	0.1055471	0.003742649	30.79511833	0.006436549	0.011704993	0.000757824	0.001261121	0.000558445	0.511644244	9.50471E-06	0.001972974	0.000875668	0.002114094	0.001417011
2103 Apr	0.109998927	1.07689E-05	9.88226223	11.14107609	0.105588727	0.003744121	30.80724335	0.006439083	0.011709615	0.000758123	0.001261618	0.000558665	0.511845708	9.50845E-06	0.001973751	0.000876014	0.002114928	0.001417568
2103 May	0.110100634	1.07799E-05	9.896603584	11.14476585	0.105664536	0.003750304	30.91172791	0.006449225	0.011725673	0.000759359	0.001263316	0.000559411	0.512511969	9.52633E-06	0.001976738	0.000876833	0.002119249	0.001417607
2103 Jun	0.108486794	1.0657E-05	9.942051888	11.08047199	0.10516189	0.003771824	30.66628265	0.006423516	0.011615717	0.000757537	0.00126349	0.00055966	0.51308912	9.58293E-06	0.00198881	0.000869088	0.0021082	0.001412757
2103 Jul	0.108213678	1.06567E-05	9.964126587	11.09276104	0.105175421	0.003781407	30.54724884	0.006423924	0.011603595	0.00075714	0.00126552	0.000560484	0.513802886	9.60607E-06	0.001993908	0.000868378	0.00210864	0.001416027
2103 Aug	0.108209595	1.06739E-05	9.9423666	11.08798313	0.105012305	0.00377374	30.4279213	0.006414185	0.011595828	0.000755397	0.001263832	0.000559594	0.512762845	9.58754E-06	0.001989168	0.000867636	0.00210878	0.00141567
2103 Sep	0.107776478	1.06717E-05	9.956839561	11.09830284	0.104896843	0.003781832	30.38611984	0.006418032	0.011579392	0.00075406	0.001265544	0.000560312	0.513199806	9.6028E-06	0.001993072	0.000865323	0.002107194	0.001418814
2103 Oct	0.10619498	1.06069E-05	10.01250362	11.08793068	0.104419276	0.003809256	30.27874184	0.006417173	0.011519779	0.000750221	0.00126861	0.000561906	0.514700353	9.66101E-06	0.002007757	0.000855999	0.002096271	0.001422301
2103 Nov	0.105685696	1.05834E-05	10.02354813	11.07830429	0.104215331	0.003815319	30.22339249	0.006412744	0.011499069	0.000748573	0.001268669	0.000562027	0.514859915	9.6733E-06	0.002010953	0.00085273	0.002091879	0.001422447
2103 Dec	0.105689771	1.05838E-05	10.02367496	11.07848454	0.104217269	0.003815364	30.22380066	0.00641284	0.011499438	0.000748587	0.001268685	0.000562035	0.514867246	9.67344E-06	0.002010974	0.000852752	0.002091937	0.001422463
2104 Jan	0.105690844	1.05838E-05	10.0236311	11.0784502	0.104217216	0.003815345	30.22367668	0.006412817	0.011499495	0.000748587	0.001268679	0.000562032	0.514865398	9.67341E-06	0.002010963	0.000852754	0.002091942	0.001422454
2104 Feb	0.105692655	1.05839E-05	10.0237093	11.07854652	0.104218356	0.003815373	30.22391891	0.006412869	0.011499641	0.000748595	0.001268689	0.000562036	0.51486969	9.67348E-06	0.002010977	0.000852765	0.002091966	0.001422464
2104 Mar	0.105701521	1.05848E-05	10.02449989	11.07942581	0.104226761	0.003815673	30.22630692	0.006413376	0.01150058	0.000748655	0.001268789	0.000562081	0.514910519	9.67425E-06	0.002011135	0.000852835	0.002092135	0.001422576
2104 Apr	0.105767667	1.05914E-05	10.03074646	11.08633137	0.104291797	0.00381805	30.24514198	0.006417373	0.011507763	0.000749122	0.001269579	0.000562431	0.515231371	9.68028E-06	0.002012388	0.000853368	0.002093441	0.001423461
2104 May	0.105913594	1.05738E-05	10.01625919	11.04930592	0.104150966	0.003811996	30.07498169	0.006393411	0.01149954	0.000748768	0.001265406	0.000560908	0.514275193	9.67043E-06	0.002008827	0.000852166	0.002089142	0.001417311
2104 Jun	0.104537949	1.04033E-05	9.99961853	10.93089771	0.103370644	0.003806608	29.23945618	0.006302712	0.011345065	0.000743571	0.001254039	0.000556791	0.511707127	9.65855E-06	0.002006614	0.00084118	0.002057534	0.001404114
2104 Jul	0.104785047	1.04343E-05	10.01959133	10.96122837	0.103604466	0.003814596	29.22218704	0.006313765	0.011366202	0.000744835	0.001256778	0.000557968	0.512710154	9.67797E-06	0.002010511	0.000843175	0.00206206	0.0014084
2104 Aug	0.105087325	1.0473E-05	10.02026844	10.98869801	0.103763066	0.003815382	29.23552704	0.006323779	0.011386528	0.000745437	0.001258384	0.000558565	0.512992322	9.6784E-06	0.002010203	0.000845204	0.002066643	0.001411921
2104 Sep	0.104973964	1.04747E-05	9.987210274	10.97602844	0.103526004	0.003803774	29.12382889	0.006310096	0.011365629	0.000743131	0.001255421	0.000557185	0.511478662	9.64701E-06	0.002003186	0.000843752	0.002063422	0.001410397
2104 Oct	0.104377903	1.0447E-05	10.01268673	10.97152424	0.103362642	0.003816385	29.04668045	0.006307706	0.011340927	0.000741779	0.001256361	0.000557843	0.512188852	9.67333E-06	0.002009624	0.000839902	0.002057807	0.001411582
2104 Nov	0.104162075	1.04376E-05	10.02707958	10.97249413	0.103329204	0.003822993	29.03195953	0.006308997	0.011335069	0.000741503	0.001257175	0.000558305	0.512676895	9.68771E-06	0.002013093	0.000838583	0.002056106	0.001412403
2104 Dec	0.104167201	1.04381E-05	10.02736568	10.972826	0.103332646	0.003823099	29.0328064	0.006309183	0.011335558	0.000741528	0.00125721	0.000558321	0.512692034	9.688E-06	0.002013146	0.000838615	0.002056186	0.00141244
2105 Jan	0.104167968	1.04381E-05	10.02730942	10.97277737	0.103332452	0.003823075	29.03265381	0.006309152	0.011335585	0.000741527	0.001257202	0.000558317	0.512689531	9.68795E-06	0.002013133	0.000838616	0.002056187	0.00141243
2105 Feb	0.104169935	1.04382E-05	10.02741718	10.97290325	0.103333853	0.003823114	29.03297043	0.006309221	0.011335755	0.000741537	0.001257215	0.000558323	0.512695372	9.68806E-06	0.002013153	0.000838629	0.002056215	0.001412444
2105 Mar	0.104173154	1.04385E-05	10.0276823	10.97319794	0.103336751	0.003823214	29.0337429	0.00630939	0.01133608	0.000741557	0.001257249	0.000558338	0.512709022	9.68832E-06	0.002013205	0.000838653	0.002056272	0.001412481
2105 Apr	0.104208969	1.04421E-05	10.03110504	10.97694683	0.103372112	0.003824519	29.04365349	0.006311544	0.011339963	0.000741811	0.001257678	0.000558529	0.51288414	9.69162E-06	0.002013892	0.000838941	0.002056976	0.001412962
2105 May	0.104472511	1.0439E-05	10.0328083	10.9655695	0.10343907	0.003824949	28.97213554	0.006303229	0.011344603	0.000742851	0.001256251	0.000558181	0.512871385	9.69482E-06	0.002013755	0.000839377	0.002055648	0.001410305
2105 Jun	0.104578815	1.04121E-05	10.05960941	10.959915 16	0.103626631	0.003835778	28.80954933	0.006293563	0.011330059	0.000744889	0.001256044	0.00055861	0.513762772	9.72108E-06	0.00201921	0.000839331	0.002050587	0.001409163
2105 Jul	0.10500402	1.04606E-05	10.07442284	10.99973679	0.103918567	0.003841843	28.86066055	0.006311203	0.011364002	0.000746534	0.00125924	0.000559925	0.514739513	9.73512E-06	0.002021786	0.000842378	0.002057516	0.001414257
2105 Aug	0.105050288	1.04824E-05	10.06406689	11.01748753	0.103922874	0.003839577	28.81324005	0.006313577	0.011357443	0.000745897	0.001259483	0.000559979	0.514406204	9.72451E-06	0.002019522	0.000842468	0.002057485	0.001417012
2105 Sep	0.104476184	1.04732E-05	10.1651268	11.08113003	0.104324229	0.003883606	28.9608593	0.006354581	0.011350811	0.000748903	0.001269343	0.0005648	0.518732965	9.81972E-06	0.002042565	0.000840622	0.002056484	0.001428337
2105 Oct	0.103511363	1.0432E-05	10.22362041	11.10990906	0.104306541	0.003911913	29.11671257	0.006380287	0.011316906	0.000748757	0.001275022	0.000567656	0.52110213	9.8749E-06	0.002057006	0.00083599	0.002049667	0.001435193
2105 Nov	0.103084676	1.04106E-05	10.23810577	11.11129093	0.104210429	0.003919651	29.14502335	0.006384348	0.011299108	0.000748017	0.001276063	0.000568253	0.521592915	9.88892E-06	0.002060878	0.000833564	0.002045768	0.001436521
2105 Dec	0.103087433	1.04108E-05	10.2380867	11.11129665	0.104210883	0.003919641	29.14499664	0.006384346	0.01129932	0.000748021	0.001276059	0.000568252	0.521592736	9.88892E-06	0.002060869	0.000833573	0.002045793	0.001436514
2106 Jan	0.103088416	1.04108E-05	10.23802185	11.11124134	0.104210675	0.003919613	29.14482498	0.006384311	0.01129936	0.000748019	0.00127605	0.000568248	0.521589875	9.88886E-06	0.002060854	0.000833575	0.002045794	0.001436502
2106 Feb	0.103089504	1.04109E-05	10.23802853	11.11125946	0.104211092	0.003919614	29.14485359	0.006384317	0.011299425	0.000748022	0.00127605	0.000568249	0.521590531	9.88887E-06	0.002060853	0.00083358	0.002045802	0.001436501
2106 Mar	0.103093944	1.04113E-05	10.23841286	11.11168289	0.104215197	0.003919759	29.14595413	0.006384559	0.011299881	0.000748051	0.001276098	0.00056827	0.52161032	9.88924E-06	0.00206093	0.000833613	0.002045883	0.001436554
2106 Apr	0.103140622	1.0416E-05	10.2430172	11.11668301	0.104262173	0.003921521	29.15906143	0.00638743	0.011304981	0.000748388	0.001276671	0.000568526	0.521844983	9.89369E-06	0.002061856	0.00083399	0.002046805	0.0014372
2106 May	0.103374891	1.04282E-05	10.24492645	11.12070847	0.10435313	0.003922057	29.17528534	0.006389665	0.011318888	0.000749222	0.001276789	0.000568652	0.522017241	9.89623E-06	0.00206188	0.000835012	0.002048506	0.001437044
2106 Jun	0.102353655	1.02829E-05	10.21976948	11.02911282	0.103790231	0.003914893	28.8204174	0.006336208	0.011192971	0.000746445	0.001268326	0.000565695	0.519895852	9.87438E-06	0.002057664	0.000827221	0.002023789	0.001425603
2106 Jul	0.10236939	1.02975E-05	10.24038887	11.05085754	0.103929311	0.003923661	28.7578907	0.006342475	0.011197446	0.000746989	0.001270642	0.0005667	0.520762682	9.89519E-06	0.002062014	0.000827993	0.002026056	0.001429338
2106 Aug	0.102433935	1.03233E-05	10.20496845	11.05076313	0.103753157	0.00391113	28.66442108	0.006334167	0.011189713	0.000744879	0.001268418	0.000565535	0.519284427	9.86197E-06	0.002054243	0.00082759	0.002026068	0.001429365
2106 Sep	0.101763159	1.03184E-05	10.2402916	11.0706234	0.103660822	0.003928438	28.69672775	0.006349078	0.011169503	0.000743729	0.001272366	0.000567292	0.520600259	9.89775E-06	0.002063065	0.000824308	0.002025058	0.001434596
2106 Oct	0.101424038	1.03156E-05	10.2655468	11.0873127	0.103668086	0.003940377	28.76576042	0.006362465	0.011163714	0.000743632	0.001275305	0.00056862	0.521654963	9.92225E-06	0.0020692	0.000822895	0.002024873	0.001438143
2106 Nov	0.101446308	1.03182E-05	10.26833725	11.09024525	0.103693597	0.003941478	28.77383232	0.0063642	0.011166525	0.000743813	0.00127565	0.000568774	0.521794915	9.92496E-06	0.002069772	0.000823083	0.002025384	0.001438536
2106 Dec	0.101450138	1.03186E-05	10.26857853	11.090518	0.103696339	0.003941569	28.77452278	0.006364354	0.011166905	0.000743833	0.00127568	0.000568788	0.521807551	9.9252E-06	0.002069818	0.000823108	0.002025447	0.001438567
2107 Jan	0.101451129	1.03186E-05	10.26858521	11.09053326	0.103696652	0.003941569	28.77454758	0.00636436	0.011166976	0.000743835	0.00127568	0.000568788	0.521808028	9.92521E-06	0.002069818	0.000823112	0.002025456	0.001438566
2107 Feb	0.101454213	1.03189E-05	10.26883793	11.09081364	0.103699416	0.003941665	28.77526283	0.00636452	0.011167285	0.000743855	0.001275711	0.000568802	0.521821141	9.92546E-06	0.002069868	0.000823135	0.002025511	0.001438601
2107 Mar	0.10146413	1.03199E-05	10.26980972	11.09186554	0.103709325	0.003942038	28.77798843	0.006365122	0.01116836	0.000743926	0.001275832	0.000568856	0.521870613	9.9264E-06	0.002070063	0.000823214	0.002025705	0.001438737
2107 Apr	0.101487055	1.03222E-05	10.27211189	11.09435368	0.103732646	0.003942921	28.7844429	0.00636565	0.011170874	0.000744093	0.001276118	0.000568983	0.521987677	9.92863E-06	0.002070527	0.0008234	0.00202616	0.001439059
2107 May	0.101575546	1.03235E-05	10.27758789	11.0957489	0.103794813	0.003945256	28.80122375	0.006368819	0.011173188	0.000744837	0.001276446	0.000569223	0.522245944	9.93442E-06	0.002071585	0.00082373	0.002026524	0.001438904
2107 Jun	0.101558551	1.03003E-05	10.28842068	11.08562088	0.10385555	0.00395032	28.76722527	0.00636565	0.011151168	0.000746142	0.001276182	0.000569411	0.52256763	9.94568E-06	0.002073959	0.000823192	0.002023271	0.001437167
2107 Jul	0.101896696	1.03418E-05	10.28427124	11.11073112	0.103991754	0.003949141	28.76914024	0.006373791	0.01117229	0.000746566	0.001277341	0.000569791	0.522639394	9.94181E-06	0.002072549	0.000825244	0.002028016	0.001440244
2107 Aug	0.102282673	1.03865E-05	10.30272293	11.14840889	0.104277864	0.003956563	28.82884789	0.006391642	0.01120618	0.000748267	0.001280631	0.000571184	0.523742259	9.95962E-06	0.002075961	0.00082801	0.00203468	0.001445086
2107 Sep	0.102426022	1.04074E-05	10.28996563	11.15673828	0.104273699	0.003952143	28.80344009	0.006391699	0.011211753	0.000747783	0.001280248	0.000570928	0.523304224	9.94734E-06	0.002072977	0.00082865	0.002036065	0.001446047
2107 Oct	0.102415502	1.04118E-05	10.27414417	11.15424538	0.104180314	0.003946938	28.80812454	0.00638989	0.011206462	0.000746967	0.001279238	0.000570444	0.522668779	9.93249E-06	0.002069625	0.000828206	0.002035264	0.001445604
2107 Nov	0.102427445	1.04149E-05	10.27501583	11.15777016	0.104191557	0.00394773	28.84163094	0.006393306	0.011208525	0.000747102	0.001279607	0.000570615	0.522757649	9.93359E-06	0.002069838	0.000828257	0.00203566	0.001446033
2107 Dec	0.102431305	1.04153E-05	10.27518845	11.15797615	0.104193799	0.003947793	28.84213829	0.006393422	0.011208878	0.000747119	0.001279628	0.000570625	0.522767067	9.93377E-06	0.002069869	0.000828279	0.002035716	0.001446054
2108 Jan	0.102433145	1.04154E-05	10.27523804	11.15804291	0.104194678	0.00394781	28.84228706	0.006393456	0.011209022	0.000747125	0.001279634	0.000570627	0.522769928	9.93382E-06	0.002069877	0.000828288	0.002035738	0.001446059
2108 Feb	0.102434635	1.04155E-05	10.27530384	11.15812206	0.104195632	0.003947833	28.8424778	0.006393499	0.011209141	0.000747132	0.001279641	0.000570631	0.522773564	9.93389E-06	0.002069889	0.000828297	0.002035757	0.001446067
2108 Mar	0.10244596	1.04166E-05	10.27639389	11.15931129	0.104206845	0.003948251	28.845541	0.006394179	0.011210355	0.000747212	0.001279777	0.000570691	0.522829115	9.93494E-06	0.002070107	0.000828387	0.002035976	0.001446219
2108 Apr	0.10253498	1.04257E-05	10.28512287	11.16890144	0.104296334	0.003951604	28.87009811	0.006399648	0.011219985	0.000747851	0.001280869	0.000571178	0.523274541	9.94338E-06	0.002071863	0.000829103	0.002037725	0.00144746

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.102743842	1.04452E-05	10.30021095	11.1872139	0.104472227	0.003957335	28.91347885	0.006409686	0.011239933	0.000749087	0.001282819	0.000572046	0.52406925	9.95804E-06	0.002074806	0.000830622	0.002041286	0.001449712
2108 Jun	0.103749231	1.05138E-05	10.30239487	11.20097733	0.104785845	0.003957794	29.09147644	0.006427568	0.011304079	0.000752536	0.001284485	0.000572672	0.524591684	9.96615E-06	0.002073987	0.000835774	0.00205471	0.001448557
2108 Jul	0.104395255	1.05847E-05	10.3536005	11.26641655	0.105357341	0.003977919	29.26534653	0.006465323	0.011369907	0.000756574	0.001291756	0.000575798	0.527303219	1.00165E-05	0.002084181	0.000840893	0.002068006	0.001456931
2108 Aug	0.104919985	1.06446E-05	10.39389229	11.32411003	0.105832905	0.003993775	29.38526535	0.006495533	0.011422846	0.000759671	0.001297611	0.000578336	0.529474497	1.00554E-05	0.002092118	0.000845034	0.002078212	0.001464486
2108 Sep	0.104998052	1.06624E-05	10.38276768	11.33301067	0.105819665	0.003990098	29.36307335	0.006496231	0.011425114	0.000759089	0.001297459	0.000578162	0.529091418	1.00445E-05	0.0020896	0.000845486	0.002079354	0.001465742
2108 Oct	0.104714222	1.06419E-05	10.28979683	11.26912022	0.105104372	0.003954933	29.11843491	0.00645189	0.011375414	0.000753202	0.001287757	0.000573693	0.524739683	9.95662E-06	0.002069853	0.000841428	0.002070101	0.001456734
2108 Nov	0.104703225	1.06411E-05	10.27553082	11.25919056	0.104999267	0.003949485	29.08103752	0.00644506	0.011370628	0.000752345	0.001286226	0.000572995	0.524076939	9.9434E-06	0.002066765	0.000840906	0.002069024	0.001455234
2108 Dec	0.104708157	1.06416E-05	10.27582073	11.2595253	0.105002627	0.003949594	29.08187675	0.00644525	0.011371114	0.000752369	0.001286262	0.000573011	0.524092257	9.94369E-06	0.002066821	0.000840937	0.002069105	0.001455272
2109 Jan	0.104709409	1.06417E-05	10.27582073	11.25953579	0.105002947	0.003949592	29.0818882	0.006445253	0.011371205	0.000752371	0.001286261	0.000573011	0.524092555	9.9437E-06	0.002066819	0.000840942	0.002069117	0.00145527
2109 Feb	0.10471198	1.06419E-05	10.27599525	11.25973511	0.105004989	0.003949657	29.08238792	0.006445365	0.011371444	0.000752386	0.001286283	0.00057302	0.524101675	9.94387E-06	0.002066852	0.00084096	0.002069158	0.001455294
2109 Mar	0.104724541	1.06431E-05	10.27718449	11.26104259	0.105017297	0.003950113	29.0857563	0.006446112	0.011372787	0.000752474	0.001286432	0.000573087	0.524162471	9.94502E-06	0.002067091	0.000841059	0.002069401	0.001455461
2109 Apr	0.10478545	1.06493E-05	10.28312206	11.26755905	0.105078116	0.003952394	29.10256577	0.00644984	0.011379381	0.000752909	0.001287175	0.000573418	0.524465442	9.95076E-06	0.002068284	0.000841547	0.0020706	0.001456303
2109 May	0.10578993	1.07142E-05	10.31767082	11.30976582	0.10565494	0.00396518	29.33049583	0.006481039	0.011454366	0.000758054	0.00129192	0.000575593	0.52652967	9.98622E-06	0.002074389	0.000847635	0.002083626	0.001459489
2109 Jun	0.107814051	1.0847E-05	10.40491486	11.4096508	0.106949389	0.00399805	29.82593918	0.006552835	0.01160884	0.000769423	0.001303568	0.000580892	0.531508446	1.00736E-05	0.002090581	0.000860618	0.002111212	0.00146822
2109 Jul	0.108196713	1.08925E-05	10.40346813	11.43855286	0.107119404	0.003997994	29.84320068	0.006563515	0.011633718	0.000770129	0.001305182	0.000581459	0.531731248	1.00724E-05	0.002089727	0.000863015	0.002116804	0.001471749
2109 Aug	0.108677365	1.09415E-05	10.41369152	11.47047138	0.107371889	0.004002128	29.89637756	0.006578485	0.011669908	0.000771723	0.001307633	0.00058247	0.532480836	1.00832E-05	0.002091249	0.000865869	0.002123799	0.001475396
2109 Sep	0.108989879	1.09843E-05	10.43711853	11.51844692	0.107687615	0.004013122	30.08647156	0.006608434	0.011701004	0.000773962	0.001312435	0.00058452	0.533946395	1.0105E-05	0.002096139	0.000868557	0.002130574	0.001481655
2109 Oct	0.109683864	1.10738E-05	10.6088829	11.68113613	0.109038971	0.004085748	30.95776939	0.006732572	0.011821991	0.000785583	0.001334592	0.000594573	0.542627811	1.02689E-05	0.0021335	0.000876398	0.002152902	0.001503312
2109 Nov	0.1097304	1.10809E-05	10.62475586	11.69437599	0.109147422	0.00409245	31.02577782	0.006742697	0.011832853	0.000786511	0.001336464	0.000595436	0.543400228	1.02842E-05	0.002136962	0.000876934	0.002154686	0.001505107
2109 Dec	0.109736703	1.10815E-05	10.62518692	11.69486618	0.109152228	0.004092614	31.02705193	0.006742977	0.011833482	0.000786546	0.001336517	0.000595461	0.543422759	1.02846E-05	0.002137045	0.000876976	0.002154792	0.001505165
2110 Jan	0.109739527	1.10817E-05	10.62534714	11.6950531	0.109154187	0.004092673	31.02752686	0.006743081	0.011833743	0.00078656	0.001336537	0.000595469	0.543431282	1.02848E-05	0.002137075	0.000876994	0.002154835	0.001505186
2110 Feb	0.109742999	1.1082E-05	10.62561226	11.6953516	0.109157145	0.004092774	31.02830696	0.006743251	0.01183408	0.000786581	0.00133657	0.000595484	0.543445051	1.0285E-05	0.002137127	0.000877019	0.002154894	0.001505222
2110 Mar	0.109752342	1.10829E-05	10.62647724	11.69630814	0.109166168	0.004093106	31.03083611	0.006743801	0.011835068	0.000786646	0.001336678	0.000595533	0.543489397	1.02859E-05	0.002137301	0.000877093	0.002155073	0.001505344
2110 Apr	0.109790914	1.10868E-05	10.6301899	11.70039654	0.109204382	0.004094535	31.04167747	0.006746158	0.011839216	0.000786921	0.001337145	0.000595741	0.543679357	1.02895E-05	0.002138047	0.0008774	0.002155827	0.00150587
2110 May	0.110042065	1.11025E-05	10.64757252	11.72188473	0.109433167	0.0041016	31.16665268	0.006762109	0.01185971	0.000788953	0.001339652	0.000596899	0.544676661	1.03061E-05	0.00214154	0.000879301	0.002159453	0.001508173
2110 Jun	0.110635579	1.10627E-05	10.75086975	11.81752396	0.110654406	0.004146276	32.03055191	0.006851722	0.011875172	0.00080202	0.001353471	0.000603604	0.550328434	1.03994E-05	0.00216422	0.000887127	0.002164699	0.001518033
2110 Jul	0.110895872	1.10934E-05	10.76864719	11.84936333	0.110894598	0.004153663	32.06034851	0.006865856	0.011895631	0.00080349	0.001356428	0.000604837	0.55129689	1.04165E-05	0.002167728	0.000889369	0.002169723	0.001522305
2110 Aug	0.109558553	1.10147E-05	10.81390667	11.83417988	0.110555716	0.004174244	31.80400658	0.006852359	0.01181125	0.000800836	0.001358223	0.000605723	0.552259266	1.04602E-05	0.002179943	0.000882107	0.002158332	0.001524296
2110 Sep	0.107248373	1.089E-05	10.85015583	11.79645729	0.109755836	0.004194659	31.57631683	0.006833115	0.011682669	0.000794221	0.001358195	0.000606062	0.552556038	1.04954E-05	0.002191489	0.00086853	0.002136786	0.001525336
2110 Oct	0.10468322	1.07318E-05	10.84614754	11.70503616	0.108499028	0.004199171	31.19017982	0.006782637	0.011534382	0.000784199	0.001351925	0.000603739	0.550735116	1.04943E-05	0.002194516	0.000851657	0.002107808	0.001518948
2110 Nov	0.10399618	1.06896E-05	10.83823586	11.67827988	0.10812436	0.004197836	31.07736206	0.006767067	0.011493856	0.000781121	0.001349671	0.00060284	0.549965203	1.04872E-05	0.002193836	0.000847068	0.002099556	0.001516921
2110 Dec	0.104000881	1.069E-05	10.83843327	11.67851543	0.108126812	0.004197909	31.07795334	0.006767199	0.011494308	0.000781139	0.001349693	0.000602851	0.549975872	1.04874E-05	0.002193871	0.000847092	0.002099624	0.001516944
2111 Jan	0.104002349	1.06901E-05	10.83843231	11.67852783	0.108127162	0.004197908	31.07796288	0.006767203	0.011494417	0.000781141	0.001349693	0.00060285	0.54997623	1.04874E-05	0.002193868	0.000847097	0.002099637	0.001516942
2111 Feb	0.104003482	1.06902E-05	10.83845329	11.6785593	0.108127668	0.004197914	31.07803154	0.006767219	0.011494496	0.000781145	0.001349695	0.000602851	0.549977601	1.04874E-05	0.002193871	0.000847103	0.002099648	0.001516943
2111 Mar	0.104020864	1.06919E-05	10.84021091	11.68045998	0.108145371	0.004198594	31.08307648	0.006768318	0.011496391	0.000781272	0.001349913	0.000602949	0.550067008	1.04891E-05	0.002194226	0.000847242	0.002099992	0.001517189
2111 Apr	0.104087815	1.06988E-05	10.84715652	11.68794632	0.108214758	0.004201283	31.10299492	0.006772655	0.011503775	0.000781773	0.001350778	0.000603336	0.550419509	1.04959E-05	0.002195631	0.000847786	0.00210134	0.00151816
2111 May	0.104158342	1.06902E-05	10.83451748	11.66610146	0.108106591	0.004195816	30.98586655	0.006757054	0.011499507	0.000781089	0.001347975	0.000602251	0.549688756	1.0485E-05	0.00219264	0.000847023	0.002098681	0.001514644
2111 Jun	0.103213497	1.05255E-05	10.71970749	11.47707272	0.106813833	0.004148553	30.01491165	0.006624879	0.011351476	0.000771782	0.001325795	0.000593203	0.542872071	1.03766E-05	0.002168343	0.000835603	0.002064537	0.001488988
2111 Jul	0.103751712	1.0582E-05	10.75584316	11.52797985	0.107254803	0.004162621	30.1095562	0.00665092	0.011402396	0.000774711	0.001330882	0.000595424	0.544813693	1.04118E-05	0.002175347	0.000839554	0.00207408	0.001495453
2111 Aug	0.103678428	1.05901E-05	10.70704174	11.50998974	0.106934994	0.004144683	29.92969322	0.006630064	0.011376654	0.000771504	0.001326441	0.000593344	0.54259336	1.0365E-05	0.002164837	0.000837775	0.002070112	0.001493169
2111 Sep	0.103500359	1.05894E-05	10.72585773	11.51973534	0.106959596	0.004153036	29.86736679	0.006632386	0.011368407	0.000771374	0.001327803	0.000594062	0.543272734	1.03826E-05	0.00216917	0.000836725	0.002068989	0.001495402
2111 Oct	0.102528483	1.05406E-05	10.77072239	11.53489304	0.106869556	0.004174599	29.92088509	0.006646856	0.011321284	0.000770546	0.001331756	0.000596043	0.544937134	1.04222E-05	0.002180665	0.000832158	0.002061291	0.001500445
2111 Nov	0.101798676	1.04969E-05	10.78546333	11.52400398	0.106639571	0.004182706	29.88619804	0.006643832	0.011282395	0.000768745	0.001331996	0.000596327	0.54522866	1.04352E-05	0.002185082	0.000827921	0.00205375	0.001500861
2111 Dec	0.101793863	1.04967E-05	10.78559017	11.5237236	0.106636293	0.004182778	29.88538742	0.006643719	0.01128232	0.000768721	0.001331978	0.000596324	0.545229435	1.04353E-05	0.002185117	0.000827871	0.002053688	0.001500831
2112 Jan	0.10179542	1.04968E-05	10.78556442	11.52371311	0.106636517	0.004182766	29.88533592	0.006643709	0.011282423	0.000768723	0.001331974	0.000596322	0.54522866	1.04353E-05	0.002185109	0.000827876	0.002053699	0.001500825
2112 Feb	0.101798631	1.0497E-05	10.78578377	11.52395916	0.106639057	0.004182849	29.8859539	0.006643847	0.011282719	0.00076874	0.001332001	0.000596334	0.545240104	1.04355E-05	0.002185151	0.000827898	0.002053749	0.001500854
2112 Mar	0.101818644	1.04991E-05	10.78783894	11.52616119	0.106659576	0.004183644	29.89165306	0.006645115	0.011284905	0.000768888	0.001332254	0.000596448	0.545344174	1.04375E-05	0.002185566	0.000828058	0.002054144	0.001501139
2112 Apr	0.10187535	1.05049E-05	10.79380989	11.53254414	0.106718734	0.004185959	29.90820122	0.006648793	0.011291171	0.000769314	0.001332991	0.000596778	0.545646131	1.04433E-05	0.002186775	0.000828518	0.002055284	0.001501969
2112 May	0.102115959	1.04944E-05	10.78712368	11.52161312	0.106789604	0.004182695	29.90015221	0.006643413	0.011288621	0.000770464	0.001331446	0.000596304	0.545395911	1.0436E-05	0.002184921	0.000829329	0.00205354	0.001499297
2112 Jun	0.100945897	1.02305E-05	10.69972992	11.34248543	0.106012106	0.004142863	28.90534782	0.006514362	0.011046516	0.000766397	0.001312054	0.000588496	0.539812088	1.03363E-05	0.002167193	0.000821299	0.002010841	0.001475696
2112 Jul	0.100659765	1.02068E-05	10.69811249	11.32649803	0.10589055	0.004141174	28.62725449	0.00649334	0.011011682	0.000764939	0.001310482	0.000587697	0.539303541	1.03329E-05	0.002167133	0.000820139	0.002007098	0.001474848
2112 Aug	0.101042576	1.02531E-05	10.71696949	11.36715984	0.106188387	0.00414894	28.68703651	0.006512234	0.011045036	0.000766646	0.00131398	0.000589171	0.540442526	1.03508E-05	0.002170641	0.000823016	0.002013887	0.001480162
2112 Sep	0.101125561	1.0268E-05	10.69217014	11.36588573	0.106091611	0.004139788	28.63295746	0.006506205	0.01104174	0.000765439	0.001312302	0.00058832	0.539435029	1.03269E-05	0.002165119	0.000823093	0.002013811	0.001479803
2112 Oct	0.101078115	1.0269E-05	10.67160225	11.35980892	0.105967566	0.004132353	28.6047802	0.006500617	0.011031527	0.000764268	0.001310772	0.000587559	0.538557291	1.03069E-05	0.00216076	0.00082258	0.00201247	0.001478997
2112 Nov	0.101083301	1.02705E-05	10.67142963	11.36143589	0.105972797	0.004132398	28.61331558	0.006501689	0.011032016	0.000764292	0.001310902	0.000587606	0.538570464	1.03067E-05	0.002160726	0.000822659	0.002012688	0.00147922
2112 Dec	0.10108941	1.02711E-05	10.67187691	11.36192989	0.105977699	0.004132568	28.61453438	0.006501967	0.01103262	0.000764327	0.001310956	0.000587631	0.538593531	1.03071E-05	0.002160813	0.000822701	0.002012791	0.001479279
2113 Jan	0.101090446	1.02712E-05	10.67186165	11.36192417	0.105977885	0.00413256	28.61450386	0.006501961	0.011032681	0.000764329	0.001310954	0.00058763	0.538593054	1.03071E-05	0.002160808	0.000822705	0.002012798	0.001479275
2113 Feb	0.101093188	1.02714E-05	10.67207241	11.36215782	0.105980262	0.00413264	28.61507988	0.006502092	0.011032941	0.000764346	0.001310979	0.000587642	0.538603961	1.03073E-05	0.00216085	0.000822724	0.002012844	0.001479303
2113 Mar	0.101123139	1.02744E-05	10.67519188	11.36548138	0.106011368	0.004133847	28.62344551	0.006503994	0.011036187	0.00076457	0.001311362	0.000587813	0.538761497	1.03103E-05	0.00216148	0.000822967	0.002013435	0.001479735
2113 Apr	0.101178527	1.028E-05	10.68101501	11.37168407	0.106069282	0.004136101	28.63906288	0.006507542	0.01104222	0.000764987	0.001312078	0.000588134	0.539055526	1.0316E-05	0.00216266	0.000823417	0.002014535	0.001480542
2113 May	0.101632036	1.02993E-05	10.68770504	11.39065361	0.10635633	0.004138164	28.77553558	0.006522242	0.011062748	0.000767694	0.001313904	0.000588944	0.539700627	1.03212E-05	0.002163527	0.000826642	0.002019213	0.001481801
2113 Jun	0.102524377	1.03061E-05	10.75662994	11.49075699	0.107623421	0.004164514	29.41666031	0.006599824	0.011074867	0.000779574	0.001326547	0.000594412	0.544015884	1.03729E-05	0.002178002	0.000837934	0.00203103	0.001493315
2113 Jul	0.102990605	1.03541E-05	10.77305126	11.52990246	0.107940778	0.004170969	29.47295761	0.006617746	0.011109916	0.000781542	0.00132981	0.000595767	0.545066178	1.03884E-05	0.00218087	0.000841241	0.002038301	0.001498157
2113 Aug	0.103339553	1.0395E-05	10.77947807	11.56089211	0.108150415	0.004173822	29.50180626	0.006630341	0.011135129	0.000782597	0.001331959	0.000596625	0.545621395	1.03944E-05	0.002181736	0.000843615	0.002043627	0.001502078
2113 Sep	0.1033976	1.04102E-05	10.75499821	11.56641483	0.108080178	0.004165295	29.49515152	0.00662954	0.011128473	0.000781617	0.001330973	0.000596041	0.544715762	1.03698E-05	0.002176422	0.000843888	0.002043674	0.001502752
2113 Oct	0.103196278	1.04241E-05	10.85530186	11.66958046	0.108790807	0.004209044	30.1064415	0.006712047	0.011148512	0.000787801	0.001345606	0.000602468	0.549854994	1.04568E-05	0.002199566	0.000846929	0.002051685	0.001518345
2113 Nov	0.103073016	1.04225E-05	10.88365936	11.69084358	0.108926095	0.004221395	30.25086594	0.006731164	0.011153081	0.000789086	0.001349108	0.000604053	0.551207602	1.04819E-05	0.002206192	0.000847035	0.002052867	0.001521746
2113 Dec	0.103079922	1.04231E-05	10.88403988	11.69128227	0.108930685	0.004221538	30.25195313	0.006731411	0.011153728	0.00078912	0.001349154	0.000604074	0.551227748	1.04823E-05	0.002206264	0.000847077	0.002052971	0.001521794
2114 Jan	0.103081994	1.04233E-05	10.88408566	11.69134808	0.108931608	0.004221553	30.25209808	0.006731444	0.011153885	0.000789127	0.001349159	0.000604076	0.55123055	1.04823E-05	0.00220627	0.000847087	0.002052994	0.001521798
2114 Feb	0.103083514	1.04234E-05	10.88413906	11.69141483	0.108932488	0.004221571	30.25225449	0.006731479	0.011153996	0.000789133	0.001349165	0.000604079	0.55123359	1.04824E-05	0.002206279	0.000847096	0.002053011	0.001521804
2114 Mar	0.103099659	1.0425E-05	10.8857851	11.69318867	0.108949155	0.004222209	30.25683403	0.006732499	0.011155714	0.000789254	0.001349369	0.000604171	0.551317096	1.0484E-05	0.002206612	0.000847226	0.002053325	0.001522033
2114 Apr	0.103140019	1.04291E-05	10.89001274	11.69773388	0.108991586	0.004223848	30.26858902	0.006735114	0.011160064	0.000789561	0.001349893	0.000604405	0.551531374	1.0488E-05	0.002207468	0.000847557	0.002054125	0.001522624
2114 May	0.103475466	1.04323E-05	10.91156387	11.72212887	0.10933546	0.004232248	30.46969223	0.006756904	0.011173734	0.000793043	0.001353012	0.000605895	0.552844226	1.05043E-05	0.002211958	0.000850377	0.002056799	0.001524859
2114 Jun	0.104108311	1.04503E-05	10.94337463	11.76890373	0.109925687	0.004244499	30.73663139	0.006790764	0.011198529	0.000798517	0.001358123	0.000608258	0.554859042	1.05275E-05	0.00221836	0.00085562	0.002062305	0.001529575
2114 Jul	0.104705594	1.05142E-05	10.98142815	11.8286171	0.110424057	0.004259516	30.85198784	0.006821088	0.011252858	0.00080178	0.001363906	0.000610759	0.556969464	1.0564E-05	0.002225723	0.000860138	0.002072823	0.001537224
2114 Aug	0.105276875	1.05746E-05	11.02633381	11.88918304	0.110947683	0.004277151	30.98368454	0.006853328	0.011308321	0.000805338	0.001370156	0.000613509	0.559363365	1.0607E-05	0.002234606	0.000864579	0.002083315	0.001545044
2114 Sep	0.105272055	1.05794E-05	10.96314144	11.86062145	0.110572852	0.004253176	30.82493973	0.006828112	0.011285201	0.000801866	0.001364308	0.000610769	0.556564689	1.05466E-05	0.002220849	0.000863102	0.002079122	0.001540729
2114 Oct	0.105290569	1.05835E-05	10.92165279	11.84755325	0.11035195	0.004238211	30.82756996	0.006819818	0.011273772	0.00080003	0.001361147	0.000609284	0.554879785	1.05064E-05	0.002211932	0.000862363	0.002076762	0.001538414
2114 Nov	0.10553956	1.06153E-05	10.97561073	11.92156601	0.110897735	0.004262396	31.34963989	0.006881025	0.011314813	0.000804879	0.001370324	0.000613388	0.558052063	1.05539E-05	0.002223895	0.00086596	0.002084894	0.001548112
2114 Dec	0.105553664	1.06171E-05	10.97897053	11.92544365	0.110928193	0.004263846	31.37471199	0.006884152	0.011317241	0.000805145	0.001370824	0.000613613	0.558236599	1.05569E-05	0.002224634	0.000866151	0.002085346	0.001548624
2115 Jan	0.105556257	1.06173E-05	10.97903156	11.92552853	0.11092937	0.004263866	31.37490082	0.006884194	0.01131744	0.000805153	0.00137083	0.000613617	0.558240294	1.0557E-05	0.002224643	0.000866164	0.002085374	0.001548629
2115 Feb	0.105559245	1.06175E-05	10.97921276	11.92573929	0.110931642	0.004263934	31.37543106	0.006884311	0.011317698	0.000805169	0.001370852	0.000613627	0.55824995	1.05572E-05	0.002224677	0.000866184	0.002085418	0.001548653
2115 Mar	0.105568014	1.06183E-05	10.9800539	11.92666054	0.110940374	0.004264259	31.37783623	0.00688484	0.011318604	0.000805232	0.001370957	0.000613674	0.558292925	1.0558E-05	0.002224847	0.000866253	0.002085582	0.001548771

Appendix D.2-24: PUMP04

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.105624542	1.0624E-05	10.98589325	11.93300629	0.11099951	0.004266526	31.39452553	0.006888503	0.011324645	0.000805661	0.001371686	0.000614	0.558589935	1.05636E-05	0.002226029	0.000866716	0.002086694	0.001549594
2115 May	0.10636659	1.0662E-05	11.01965046	11.98162651	0.111573301	0.004279841	31.69538116	0.006925095	0.011372794	0.000810888	0.001376926	0.000616454	0.560726464	1.05917E-05	0.002232626	0.000871891	0.002094647	0.001554191
2115 Jun	0.107494466	1.07326E-05	11.0926218	12.07225227	0.112564661	0.004308302	32.12468719	0.006986949	0.011457502	0.000819327	0.001387077	0.000621123	0.564881623	1.06561E-05	0.002247224	0.000880326	0.002109457	0.001564103
2115 Jul	0.108034365	1.07921E-05	11.1210041	12.12572193	0.112984449	0.004319732	32.21671295	0.007012842	0.011504374	0.000821934	0.001391873	0.000623176	0.566540539	1.06832E-05	0.002252582	0.00088427	0.00211853	0.001570958
2115 Aug	0.108094133	1.08091E-05	11.05887508	12.10980892	0.112667866	0.004296591	32.08502197	0.006993633	0.011484379	0.000818726	0.001386912	0.000620798	0.563906193	1.0623E-05	0.002239019	0.000883249	0.002115425	0.001568436
2115 Sep	0.108424202	1.08452E-05	11.06930351	12.14119339	0.112893984	0.004301404	32.19525909	0.007011708	0.011509095	0.000820285	0.001389474	0.000621937	0.564703882	1.06316E-05	0.002240901	0.000885322	0.002120118	0.001572152
2115 Oct	0.108644098	1.08719E-05	11.10040855	12.18348694	0.113222651	0.004314641	32.40241241	0.00704123	0.011534603	0.000822905	0.00139433	0.000624112	0.566449463	1.06592E-05	0.002247566	0.000887554	0.002125267	0.001577718
2115 Nov	0.108958237	1.0909E-05	11.17150784	12.2593832	0.11385455	0.00434435	32.83060455	0.007099171	0.011581005	0.000828326	0.001404113	0.000628572	0.570212483	1.07226E-05	0.002263069	0.000891244	0.002134148	0.001587758
2115 Dec	0.108979061	1.09115E-05	11.17586422	12.26397514	0.113892667	0.004346168	32.85582733	0.007102642	0.011584076	0.00082865	0.001404702	0.000628841	0.570441782	1.07265E-05	0.002264015	0.000891468	0.002134706	0.001588362
2116 Jan	0.108981684	1.09117E-05	11.17590904	12.26404381	0.113893747	0.004346182	32.85597229	0.007102676	0.011584272	0.000828658	0.001404706	0.000628843	0.570444703	1.07266E-05	0.00226402	0.00089148	0.002134732	0.001588364
2116 Feb	0.10898716	1.09121E-05	11.17632771	12.26451778	0.113898486	0.004346341	32.85721588	0.007102945	0.011584783	0.000828692	0.001404758	0.000628866	0.570466518	1.0727E-05	0.002264103	0.000891519	0.002134822	0.001588422
2116 Mar	0.108996876	1.09131E-05	11.17724705	12.26553535	0.113908119	0.004346698	32.85992432	0.007103532	0.011585779	0.000828762	0.001404873	0.000628918	0.570513725	1.07279E-05	0.002264288	0.000891596	0.002135003	0.001588551
2116 Apr	0.109051272	1.09185E-05	11.18278217	12.27161407	0.113964669	0.004348849	32.87620163	0.00710705	0.01159154	0.000829173	0.001405569	0.00062923	0.570796371	1.07332E-05	0.002265408	0.00089204	0.002136063	0.001589337
2116 May	0.109752297	1.09555E-05	11.22336197	12.32542324	0.114581876	0.004364763	33.23924255	0.007149597	0.011639609	0.000834888	0.001411759	0.000632128	0.573277175	1.07682E-05	0.00227353	0.000897168	0.002144646	0.001594709
2116 Jun	0.111295737	1.0956E-05	11.38693237	12.47430134	0.116668887	0.004424348	34.10609055	0.007262315	0.011686903	0.000854982	0.001431399	0.000641511	0.582023382	1.08926E-05	0.002308224	0.000911807	0.002157456	0.001610507
2116 Jul	0.111819297	1.10066E-05	11.43445396	12.53092384	0.117195986	0.004442341	34.19101715	0.007290702	0.011732783	0.000858657	0.001437463	0.000644177	0.584440887	1.09361E-05	0.002317783	0.000916149	0.002166862	0.001617907
2116 Aug	0.112301022	1.10589E-05	11.4665041	12.58152771	0.117613621	0.004455097	34.29320908	0.007316618	0.011776714	0.000861386	0.001442352	0.000646305	0.58622402	1.09666E-05	0.002324019	0.000919849	0.002175392	0.001624423
2116 Sep	0.112140909	1.10544E-05	11.39967728	12.54643917	0.117149398	0.004429863	34.10792923	0.00728751	0.011743221	0.000857178	0.001435943	0.000643296	0.583176494	1.09022E-05	0.002309727	0.000917461	0.002169583	0.001619584
2116 Oct	0.111833222	1.10406E-05	11.40094757	12.53468132	0.11695227	0.00443119	34.10769653	0.007284735	0.011731352	0.000855836	0.001435393	0.000643087	0.583057702	1.09001E-05	0.002310773	0.000915115	0.002166705	0.001618437
2116 Nov	0.111806564	1.10415E-05	11.41039181	12.53907681	0.116979815	0.004435055	34.13210678	0.007288794	0.01173515	0.000856105	0.001436256	0.000643494	0.583466411	1.09084E-05	0.002312941	0.000915025	0.002167149	0.001619141
2116 Dec	0.111808822	1.10417E-05	11.41039085	12.53909492	0.116980329	0.004435052	34.13212204	0.0072888	0.011735324	0.00085611	0.001436255	0.000643494	0.583466947	1.09084E-05	0.002312937	0.000915033	0.002167171	0.001619137
2117 Jan	0.111809798	1.10417E-05	11.41034603	12.53905964	0.116980277	0.004435032	34.13199997	0.007288775	0.011735375	0.000856109	0.001436249	0.000643492	0.583465099	1.09084E-05	0.002312926	0.000915035	0.002167174	0.001619128
2117 Feb	0.111810729	1.10418E-05	11.4103508	12.53907394	0.116980635	0.004435032	34.13201904	0.007288781	0.011735429	0.000856111	0.001436249	0.000643492	0.583465636	1.09084E-05	0.002312925	0.00091504	0.002167181	0.001619127
2117 Mar	0.111823052	1.1043E-05	11.4115591	12.54040623	0.116993189	0.004435501	34.13563538	0.007289553	0.011736699	0.000856203	0.001436401	0.00064356	0.583527565	1.09095E-05	0.002313169	0.000915139	0.002167414	0.001619298
2117 Apr	0.111895271	1.10501E-05	11.41890049	12.54847717	0.117068559	0.004438354	34.1576004	0.007294244	0.011744266	0.000856754	0.001437325	0.000643974	0.583903074	1.09165E-05	0.002314657	0.000915729	0.00216881	0.001620339
2117 May	0.11225412	1.10656E-05	11.41888905	12.54947662	0.117181748	0.004437331	34.14733505	0.007293614	0.011762354	0.000857852	0.001436972	0.000643886	0.583989143	1.09156E-05	0.002314129	0.000917302	0.002171046	0.001619349
2117 Jun	0.112878829	1.10802E-05	11.45211411	12.55927753	0.117561437	0.004447193	34.11857986	0.007297994	0.011793544	0.000861574	0.001438601	0.00064483	0.585489452	1.09399E-05	0.002320631	0.000920648	0.002175	0.001618867
2117 Jul	0.11344485	1.1139E-05	11.48400879	12.61211777	0.118004426	0.004459778	34.22112274	0.007324643	0.011843183	0.000864482	0.001443571	0.000646984	0.587297261	1.09704E-05	0.002326709	0.000924748	0.00218444	0.001625508
2117 Aug	0.113765918	1.11782E-05	11.48975754	12.64224339	0.118198439	0.004462497	34.24816513	0.00733675	0.011866918	0.000865397	0.001445605	0.000647801	0.587813914	1.09757E-05	0.00232747	0.000926931	0.00218933	0.001629362
2117 Sep	0.113886677	1.11972E-05	11.47951984	12.65176201	0.118206844	0.004459025	34.22633743	0.007337564	0.011871923	0.000864998	0.001445455	0.000647651	0.587483406	1.09656E-05	0.002325059	0.000927575	0.002190606	0.00163058
2117 Oct	0.113808893	1.11897E-05	11.42658329	12.6160984	0.11782904	0.00443865	34.07881927	0.007311677	0.0118499	0.000861825	0.0014398	0.000645074	0.585027635	1.09159E-05	0.002313618	0.000925624	0.002185816	0.001625348
2117 Nov	0.113786034	1.11878E-05	11.41132355	12.60596752	0.117719725	0.004432795	34.03636551	0.007304272	0.011843659	0.0008609	0.001438178	0.000644334	0.584320486	1.09016E-05	0.002310322	0.000925058	0.002184445	0.001623866
2117 Dec	0.113789409	1.11881E-05	11.4108305	12.60584831	0.117717683	0.004432607	34.03508759	0.007304105	0.011843767	0.000860877	0.001438134	0.000644314	0.584299982	1.09012E-05	0.002310209	0.00092506	0.00218445	0.001623839
2118 Jan	0.113791488	1.11883E-05	11.41083336	12.6058712	0.117718317	0.004432605	34.03511429	0.007304113	0.011843907	0.000860882	0.001438134	0.000644314	0.584300756	1.09012E-05	0.002310206	0.000925069	0.002184467	0.001623836
2118 Feb	0.113793932	1.11884E-05	11.41095066	12.60601425	0.117719971	0.004432648	34.03546906	0.007304191	0.011844099	0.000860893	0.001438148	0.00064432	0.584307194	1.09013E-05	0.002310227	0.000925084	0.002184498	0.001623851
2118 Mar	0.113800518	1.11891E-05	11.41154194	12.60667515	0.117726319	0.004432876	34.03723907	0.007304571	0.011844751	0.00086094	0.001438222	0.000644354	0.584337711	1.09019E-05	0.002310346	0.000925135	0.002184616	0.001623934
2118 Apr	0.113865077	1.11935E-05	11.41356754	12.60985088	0.117764346	0.004433587	34.04377747	0.007306139	0.01184929	0.000861189	0.001438488	0.000644475	0.584459186	1.09038E-05	0.002310682	0.000925516	0.002185336	0.001624232
2118 May	0.115402989	1.12329E-05	11.43295574	12.61200523	0.118419968	0.004435026	34.02685547	0.007305545	0.011916376	0.000867538	0.001438034	0.00064466	0.585629523	1.09164E-05	0.002312603	0.000932877	0.002193424	0.001619643
2118 Jun	0.116952948	1.1199E-05	11.51056099	12.57867527	0.119342491	0.004450838	33.46135712	0.007264986	0.011940558	0.000876594	0.001436283	0.000644661	0.588362873	1.09681E-05	0.002327104	0.000940374	0.002193285	0.001610485
2118 Jul	0.117662691	1.12668E-05	11.56167793	12.64550114	0.119959369	0.004470516	33.60527039	0.007300513	0.012004681	0.00088092	0.001443205	0.000647719	0.591085076	1.10166E-05	0.002337139	0.000945721	0.002205321	0.001618857
2118 Aug	0.117807515	1.12895E-05	11.5195446	12.64321327	0.119809754	0.004454785	33.50193787	0.007289289	0.011996841	0.000878957	0.001440279	0.000646249	0.589367151	1.0976E-05	0.002327719	0.000945918	0.002204763	0.001618252
2118 Sep	0.117203377	1.12597E-05	11.5285511	12.62615108	0.11954505	0.004458165	33.31438065	0.007274684	0.011956431	0.000876557	0.00143932	0.000645875	0.589266717	1.09773E-05	0.002330812	0.000941885	0.002198145	0.001617614
2118 Oct	0.115753189	1.11858E-05	11.61216164	12.62404251	0.119299486	0.004491941	33.19612885	0.007277946	0.011900596	0.000874547	0.001444087	0.000648213	0.592010677	1.10451E-05	0.002351764	0.000934206	0.002187863	0.00162182
2118 Nov	0.115286976	1.11614E-05	11.62807751	12.61831665	0.119161479	0.004498718	33.15278625	0.007275798	0.011880493	0.000873405	0.00144469	0.000648529	0.592429698	1.10576E-05	0.002356071	0.000931581	0.002184018	0.00162239
2118 Dec	0.115292713	1.11619E-05	11.62830257	12.61862659	0.119164735	0.004498802	33.15346909	0.007275961	0.011880989	0.000873429	0.001444718	0.000648542	0.592442393	1.10578E-05	0.002356111	0.000931613	0.002184095	0.001622421
2119 Jan	0.115295187	1.1162E-05	11.62838173	12.61872768	0.119166031	0.00449883	33.15371323	0.007276015	0.011881183	0.000873438	0.001444727	0.000648547	0.592446923	1.10579E-05	0.002356124	0.000931626	0.002184123	0.00162243
2119 Feb	0.115298696	1.11623E-05	11.62863064	12.61900902	0.119168952	0.004498924	33.15442657	0.007276174	0.011881496	0.000873459	0.001444758	0.00064856	0.592459917	1.10581E-05	0.002356173	0.000931651	0.002184177	0.001622463
2119 Mar	0.115320995	1.11645E-05	11.63082123	12.6213932	0.119191609	0.00449977	33.16068268	0.007277546	0.011883766	0.000873625	0.00144503	0.000648682	0.592571795	1.10602E-05	0.002356616	0.000931829	0.002184592	0.001622768
2119 Apr	0.115476221	1.11715E-05	11.63251114	12.62464905	0.119261168	0.004500088	33.16040421	0.007278459	0.01189189	0.000873958	0.001445111	0.000648738	0.592700422	1.10616E-05	0.002356728	0.00093257	0.002185506	0.001622786
2119 May	0.115545847	1.10364E-05	11.58370876	12.49596119	0.118902981	0.004472156	32.39906311	0.007180966	0.011795957	0.00086792	0.001429864	0.000642452	0.58941251	1.09968E-05	0.002345684	0.00092851	0.002159152	0.001602929
2119 Jun	0.115114912	1.09457E-05	11.55841923	12.42386913	0.11855907	0.00445731	31.80381203	0.007117619	0.011710239	0.000863378	0.001421586	0.000638889	0.587364197	1.09605E-05	0.002340592	0.000924577	0.002141918	0.001593918
2119 Jul	0.115769334	1.10071E-05	11.59736443	12.48106098	0.119083568	0.004472217	31.9053936	0.00714617	0.011764899	0.000866794	0.001427122	0.000641302	0.589500308	1.09972E-05	0.002348055	0.000929355	0.002152229	0.00160098
2119 Aug	0.11615555	1.10509E-05	11.59137249	12.50985813	0.119252607	0.004470436	31.90561295	0.007154845	0.011786305	0.000867184	0.001428239	0.000641675	0.58954829	1.09909E-05	0.002346136	0.000931738	0.00215677	0.001604434
2119 Sep	0.116060801	1.1046E-05	11.53486919	12.48023319	0.11889033	0.004448931	31.7625103	0.007130846	0.011758181	0.00086364	0.001422766	0.000639124	0.587006092	1.09363E-05	0.002333946	0.000929914	0.002151707	0.001600171
2119 Oct	0.115584545	1.10258E-05	11.58553314	12.50609684	0.119019188	0.004469468	31.85549736	0.007151293	0.011742589	0.000864074	0.001427748	0.000641347	0.589140952	1.09765E-05	0.002346065	0.000928475	0.002150086	0.001605535
2119 Nov	0.115254104	1.10111E-05	11.61680603	12.51961517	0.119074009	0.004482246	31.90183258	0.007162465	0.011732109	0.000864286	0.001430679	0.000642665	0.590418398	1.10018E-05	0.002353608	0.000927336	0.00214875	0.001608594
2119 Dec	0.115260005	1.10116E-05	11.61711121	12.5199728	0.119077899	0.00448236	31.90270042	0.007162662	0.011732624	0.000864315	0.001430716	0.000642682	0.59043479	1.10021E-05	0.002353665	0.000927371	0.002148831	0.001608632

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.12	0.00	0.000041	0.0000011	0.034	0.000017	0.012	7.9E-07	7.9E-07	4.2E-09	4.7E-06	2.3E-06	9.5E-06	5.7E-05	5.6E-09	4.5E-02	1.6E-08	5.9E-07	9.6E-07	1.5E-06
Operations (2020-2043): Mean	1507	2.2	2.9	0.090	903	0.25	171	2.1E-04	2.1E-04	3.0E-06	1.6E-02	7.0E-03	4.4E-01	6.1E-02	1.9E-05	4.1E+01	9.6E-05	3.4E-03	6.3E-04	2.3E-03
Operations (2020-2043): Max	2274	5.2	7.6	0.16	1397	0.34	242	5.9E-04	5.9E-04	1.4E-05	1.9E-02	9.7E-03	6.0E-01	8.5E-02	7.1E-05	5.8E+01	1.2E-04	4.5E-03	1.1E-03	3.5E-03
Active Closure (2044-2050): Min	94	0.13	0.18	0.0050	43	0.043	17	1.7E-04	1.7E-04	1.8E-06	3.9E-03	7.4E-04	4.1E-02	1.2E-02	5.8E-06	9.5E+00	1.3E-05	3.1E-04	1.2E-04	8.8E-04
Active Closure (2044-2050): Mean	210	0.27	0.36	0.011	109	0.067	33	8.7E-04	8.7E-04	4.5E-06	5.1E-03	1.4E-03	8.4E-02	1.7E-02	6.6E-06	1.3E+01	2.2E-05	6.4E-04	1.7E-04	1.0E-03
Active Closure (2044-2050): Max	1172	1.5	1.9	0.064	656	0.26	171	9.5E-04	9.5E-04	4.9E-06	1.6E-02	7.0E-03	4.5E-01	6.1E-02	1.4E-05	4.0E+01	1.0E-04	3.4E-03	5.8E-04	2.3E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Post Closure (2051-2119): Min	98	0.13	0.18	0.0044	41	0.044	18	7.2E-04	7.2E-04	4.3E-06	4.0E-03	7.8E-04	4.5E-02	1.2E-02	5.9E-06	9.8E+00	1.3E-05	3.3E-04	1.3E-04	8.9E-04
Post Closure (2051-2119): Mean	200	0.16	0.23	0.0055	48	0.048	62	8.3E-04	8.3E-04	4.6E-06	7.7E-03	2.4E-03	1.7E-01	2.7E-02	8.4E-06	2.0E+01	3.8E-05	1.1E-03	2.7E-04	1.4E-03
Post Closure (2051-2119): Max	275	0.18	0.26	0.0062	52	0.049	99	9.5E-04	9.5E-04	4.9E-06	1.1E-02	3.7E-03	2.7E-01	3.9E-02	1.0E-05	2.8E+01	5.8E-05	1.8E-03	3.9E-04	1.7E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2119)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0.124377012	0.000107215	4.09448E-05	1.11285E-06	0.033992272	1.69866E-05	0.012090323	7.90698E-07	7.90698E-07	4.22945E-09	4.70702E-06	2.29013E-06	9.52215E-06	5.74708E-05	5.62896E-09	0.045481585	1.62367E-08	5.87436E-07	9.57599E-07	1.52886E-06
2031 Feb	0.549445391	0.000484316	0.000154943	4.07709E-06	0.142039359	7.5924E-05	0.049023334	3.73371E-06	3.73371E-06	1.89627E-08	2.20735E-05	1.05356E-05	3.00968E-05	0.000270849	2.04544E-08	0.21470581	7.51247E-08	2.64978E-06	4.48979E-06	7.12233E-06
2031 Mar	1.034818172	0.000915167	0.000284506	7.44222E-06	0.265224934	0.000143244	0.091093354	7.09988E-06	7.09988E-06	3.57926E-08	4.19338E-05	1.99606E-05	5.33103E-05	0.000514896	3.72798E-08	0.408260554	1.42447E-07	5.00599E-06	8.52917E-06	1.3518E-05
2031 Apr	1.45989728	0.001292477	0.000398023	1.03909E-05	0.373123199	0.000202199	0.127945468	1.00475E-05	1.00475E-05	5.05315E-08	5.93247E-05	2.82141E-05	7.36622E-05	0.000728595	5.20234E-08	0.577746272	2.014E-07	7.06941E-06	1.20663E-05	1.91184E-05
2031 May	630.0266113	0.864830732	1.113252044	0.037963748	387.5637207	0.094348028	62.02027893	0.000108142	0.000108142	8.93638E-07	0.006009821	0.002632845	0.160572618	0.025285264	5.10231E-06	17.21704865	3.69262E-05	0.001267495	0.000267061	0.000899738
2031 Jun	1732.927734	2.384881496	3.082450867	0.105166003	1070.865845	0.260014236	170.7228699	0.000222994	0.000222994	2.09287E-06	0.01624365	0.007038241	0.444676071	0.063090198	1.37577E-05	42.19343185	0.000100889	0.003448213	0.000622377	0.002317809
2031 Jul	1842.137817	2.537573338	3.283651352	0.112035863	1140.085083	0.276673675	181.564209	0.000200975	0.000200975	2.04699E-06	0.017039431	0.007414787	0.473565161	0.065032646	1.44778E-05	43.19614029	0.000106473	0.003650709	0.000626681	0.002413478
2031 Aug	1907.937988	2.633395195	3.409741163	0.116295025	1183.258179	0.28651756	188.2458954	0.000115209	0.000115209	1.65865E-06	0.016954193	0.007583692	0.49116677	0.065156668	1.45725E-05	42.93879318	0.00010781	0.003760155	0.000614669	0.00242779
2031 Sep	1886.506348	2.610556126	3.369502068	0.114945225	1169.784668	0.28506282	186.22052	0.000126316	0.000126316	1.70151E-06	0.017021805	0.007504092	0.485773385	0.064461723	1.4464E-05	42.65616226	0.000106663	0.003717068	0.000601973	0.002422404
2031 Oct	1738.821777	2.410561562	3.100946426	0.105828293	1077.21814	0.264798582	171.6725464	0.000166796	0.000166796	1.81857E-06	0.016186876	0.006962171	0.447603881	0.060226023	1.35632E-05	40.10093689	9.91645E-05	0.003430529	0.00056041	0.002286318
2031 Nov	1731.000732	2.399868965	3.086719275	0.105345435	1072.312744	0.26372841	170.9008789	0.000169245	0.000169245	1.8263E-06	0.016140504	0.006933766	0.44558534	0.060004961	1.3517E-05	39.9681778	9.8759E-05	0.003415414	0.000558253	0.002279049
2031 Dec	1729.886597	2.398355961	3.084667206	0.105276026	1071.608398	0.263586909	170.7909698	0.000169892	0.000169892	1.82888E-06	0.016136207	0.006929991	0.44529742	0.059978049	1.35118E-05	39.95362854	9.87046E-05	0.003413291	0.00055798	0.002278282
2032 Jan	1729.161743	2.397349834	3.083312511	0.105229974	1071.144897	0.263486385	170.7191162	0.000170268	0.000170268	1.83033E-06	0.016132455	0.006927726	0.445105106	0.059969015	1.35081E-05	39.9504509	9.86686E-05	0.003411961	0.00055798	0.002277882
2032 Feb	1728.783081	2.396807432	3.082584858	0.105205059	1070.897705	0.263428211	170.6813202	0.000170468	0.000170468	1.83109E-06	0.016130019	0.006926744	0.44500035	0.05997213	1.35061E-05	39.95474243	9.86499E-05	0.003411314	0.000558135	0.002277795
2032 Mar	1728.776123	2.396788359	3.082543612	0.105203606	1070.886475	0.26342687	170.6803894	0.000170596	0.000170596	1.83172E-06	0.016130546	0.006927005	0.444994628	0.059980679	1.35065E-05	39.96163559	9.8651E-05	0.003411354	0.000558283	0.002278008

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2032 Apr	1730.297485	2.398892403	3.085240602	0.105295628	1071.825073	0.263658553	170.8304749	0.000170817	0.000170817	1.83368E-06	0.016145071	0.006933262	0.445383996	0.060038354	1.35187E-05	40.00072479	9.87387E-05	0.003414386	0.000558858	0.002280137
2032 May	1741.841797	2.414567232	3.105918169	0.105997831	1078.985352	0.265251905	171.9659576	0.000169455	0.000169455	1.83343E-06	0.016227668	0.006978588	0.448328108	0.060455263	1.35966E-05	40.27047348	9.9377E-05	0.003437325	0.000563498	0.002293542
2032 Jun	1669.946777	2.302219391	2.978643417	0.101673871	1033.934448	0.251816303	164.583374	0.000205369	0.000205369	1.97237E-06	0.015735058	0.006702183	0.430052459	0.057859693	1.3251E-05	38.37505341	9.72609E-05	0.003306104	0.000544518	0.00217717
2032 Jul	1838.561768	2.536744833	3.287093401	0.112138711	1140.589111	0.277433395	181.4515076	0.000126775	0.000126775	1.67765E-06	0.016309863	0.007320365	0.473443478	0.062517866	1.41282E-05	41.05597687	0.000103378	0.00361548	0.000583774	0.002354311
2032 Aug	1852.600098	2.558270693	3.311425447	0.112957202	1149.246704	0.279644132	182.8444977	0.000115749	0.000115749	1.63025E-06	0.01640212	0.007362463	0.477238923	0.062945582	1.4173E-05	41.50247192	0.000103844	0.003646936	0.000586901	0.002358498
2032 Sep	1889.271606	2.611597538	3.377429724	0.115192555	1172.152222	0.284568787	186.482605	9.80095E-05	9.80095E-05	1.56254E-06	0.016722174	0.007488258	0.486657083	0.064006247	1.43557E-05	42.21380615	0.000106077	0.003719223	0.000597441	0.002393232
2032 Oct	1876.437134	2.595826864	3.353933811	0.114393108	1164.090454	0.28269276	185.2330017	9.83923E-05	9.83923E-05	1.55701E-06	0.016708938	0.007438602	0.483255982	0.063653067	1.42613E-05	42.00144196	0.000105678	0.003693968	0.000594399	0.002384456
2032 Nov	1861.132324	2.575318575	3.325930834	0.113443524	1154.459839	0.280629307	183.7263184	0.000103969	0.000103969	1.57599E-06	0.016643044	0.007383789	0.479285449	0.063246287	1.41741E-05	41.76538467	0.000104957	0.003664455	0.000590464	0.002372266
2032 Dec	1839.58728	2.546185732	3.28663826	0.112110309	1140.927734	0.277691126	181.603241	0.000110982	0.000110982	1.59856E-06	0.01653262	0.007305834	0.47370851	0.062652916	1.40477E-05	41.41369629	0.000103896	0.003622837	0.000584722	0.002353556
2033 Jan	1838.187866	2.54424715	3.284026623	0.112021543	1140.034058	0.277497917	181.4645844	0.000111703	0.000111703	1.60133E-06	0.016525486	0.00730142	0.473337978	0.062633932	1.40405E-05	41.40638351	0.000103826	0.003620259	0.000584692	0.002352759
2033 Feb	1837.594604	2.543395758	3.282874823	0.111982122	1139.643921	0.277407646	181.4052887	0.000112083	0.000112083	1.60287E-06	0.016522089	0.0073	0.473172516	0.062642127	1.40376E-05	41.41581726	0.000103798	0.003619266	0.000584988	0.002352721
2033 Mar	1837.967041	2.543894768	3.283489704	0.112003036	1139.862793	0.277463436	181.4416504	0.000112333	0.000112333	1.60431E-06	0.016526492	0.007301989	0.473261476	0.062670305	1.40414E-05	41.43664169	0.000103822	0.003620095	0.000585371	0.002353591
2033 Apr	1841.579834	2.548886061	3.289915323	0.112222172	1142.096436	0.27800861	181.7980652	0.000112683	0.000112683	1.6081E-06	0.016559577	0.007316634	0.474187791	0.062802322	1.40695E-05	41.525177	0.000104027	0.003627265	0.000586673	0.002358441
2033 May	1689.532837	2.4076612	3.134057045	0.103470169	1043.886841	0.254910529	166.7287903	0.000202157	0.000202157	2.03104E-06	0.015688974	0.006862509	0.433668256	0.061940737	1.36925E-05	41.6278038	9.69467E-05	0.00335286	0.0006139	0.002282594
2033 Jun	1828.419556	2.805487394	3.744396448	0.114884906	1130.916016	0.27374506	180.8153687	0.000175476	0.000175476	2.17295E-06	0.016560268	0.007329235	0.471136779	0.064931035	1.5658E-05	43.39139557	0.000104282	0.003604076	0.000644568	0.002402188
2033 Jul	1944.514893	2.727077723	3.550487518	0.11914061	1206.120117	0.291632056	191.9420166	0.000112169	0.000112169	1.70454E-06	0.017231071	0.007715316	0.500845611	0.066100605	1.5047E-05	43.48704529	0.00010988	0.003826356	0.000624458	0.002468852
2033 Aug	1979.450439	2.746668816	3.563832998	0.120940283	1228.604614	0.296658218	195.3919983	7.84613E-05	7.84613E-05	1.52894E-06	0.017302135	0.007825158	0.509821355	0.066690356	1.49969E-05	43.7552948	0.000111101	0.003891377	0.000625981	0.002487897
2033 Sep	1764.089844	2.444249868	3.149502277	0.107434101	1093.364014	0.2677176	174.1569672	0.000145036	0.000145036	1.72548E-06	0.016180333	0.00704113	0.454193383	0.060692776	1.36528E-05	40.29455566	0.000100162	0.003477965	0.000565413	0.002293798
2033 Oct	1730.768921	2.399001122	3.087656736	0.105363995	1072.458618	0.263119847	170.8775787	0.000153691	0.000153691	1.74886E-06	0.016016642	0.006918686	0.445546836	0.059756864	1.34434E-05	39.73432541	9.85659E-05	0.00341338	0.000556389	0.002264609
2033 Nov	1697.281982	2.353416443	3.026197672	0.103283346	1051.337158	0.258770496	167.5733795	0.00017054	0.00017054	1.81355E-06	0.015866745	0.00680286	0.436896384	0.058908165	1.32749E-05	39.25889969	9.69001E-05	0.003349314	0.000547887	0.002239186
2033 Dec	1696.915771	2.35292244	3.025516748	0.103260383	1051.104248	0.258726805	167.537262	0.000170827	0.000170827	1.81477E-06	0.015865931	0.006801688	0.436801642	0.058900479	1.32736E-05	39.25522232	9.68831E-05	0.003348624	0.000547806	0.002239003
2034 Jan	1696.600586	2.352485418	3.024930954	0.103240445	1050.90332	0.258682728	167.5060425	0.000170972	0.000170972	1.81531E-06	0.015864182	0.006800676	0.436718285	0.058895841	1.32719E-05	39.25324631	9.68672E-05	0.003348041	0.000547795	0.002238806
2034 Feb	1696.307129	2.352078676	3.024399519	0.103221953	1050.716675	0.258637756	167.476944	0.000171034	0.000171034	1.81546E-06	0.015861852	0.006799705	0.436639994	0.058891904	1.327E-05	39.25147629	9.68515E-05	0.0033475	0.000547808	0.002238577
2034 Mar	1696.199463	2.351943493	3.024226665	0.103215225	1050.647095	0.258621186	167.4662781	0.000171073	0.000171073	1.81561E-06	0.015861059	0.006799384	0.436610848	0.058891587	1.32695E-05	39.25174332	9.68459E-05	0.003347307	0.000547833	0.002238523
2034 Apr	1698.091919	2.354587555	3.027632713	0.103330433	1051.817627	0.258909583	167.6531677	0.000171292	0.000171292	1.81781E-06	0.015878867	0.006807034	0.437097281	0.058959261	1.32846E-05	39.2971344	9.69542E-05	0.003351053	0.000548479	0.002241071
2034 May	1640.307617	2.253089666	2.907064676	0.098463453	1008.144836	0.24838908	166.0953064	0.000222167	0.000222167	3.01375E-06	0.015418156	0.006822125	0.42566058	0.059893776	1.88469E-05	40.14282227	9.38626E-05	0.003308095	0.000613374	0.002304739
2034 Jun	1579.597778	2.113816261	2.805535793	0.089453556	936.3963623	0.229795977	179.6839142	0.000415462	0.000415462	8.55882E-06	0.014790068	0.007602494	0.427866071	0.067953944	4.65116E-05	46.02218628	9.06379E-05	0.00349699	0.000930622	0.002773116
2034 Jul	2181.075439	4.644227028	6.779272556	0.149126694	1310.289795	0.321874052	241.6113586	0.000445481	0.000445481	1.02516E-05	0.018691806	0.009655751	0.590946317	0.084824704	5.72544E-05	58.03316498	0.000117161	0.004485702	0.001119353	0.003507447
2034 Aug	2054.592285	3.885373592	5.539786339	0.134633005	1240.128296	0.30350697	224.0202179	0.000349136	0.000349136	8.27808E-06	0.017703194	0.00899655	0.552026749	0.078440048	4.78131E-05	53.19733429	0.000111552	0.004230883	0.000991578	0.003189883
2034 Sep	1624.210938	2.491480589	3.43443203	0.094825111	954.0223999	0.237630814	191.536972	0.000466694	0.000466694	1.06402E-05	0.01507283	0.008012547	0.447993606	0.070419744	5.753E-05	48.04666519	9.06922E-05	0.003635284	0.001014511	0.003006918
2034 Oct	1438.463135	2.22513628	3.119481087	0.081083953	822.4366455	0.207882389	182.5541992	0.000579743	0.000579743	1.32814E-05	0.013730433	0.007774818	0.40880689	0.068958789	6.95575E-05	47.54290771	8.03617E-05	0.003411887	0.001106099	0.003064594
2034 Nov	1451.520264	2.325528383	3.286186218	0.082782358	829.0525513	0.20956485	184.7814178	0.000590311	0.000590311	1.35923E-05	0.013808292	0.007854844	0.413282394	0.0697423	7.11359E-05	48.16018677	8.08378E-05	0.003441736	0.001125494	0.003105238
2034 Dec	1452.949341	2.333908319	3.29959774	0.082954422	829.9296265	0.209783554	184.9308929	0.000590659	0.000590659	1.35992E-05	0.013818993	0.007859502	0.413676292	0.069789566	7.11704E-05	48.19764328	8.09024E-05	0.003443935	0.001126136	0.003107237
2035 Jan	1453.461304	2.337622404	3.305636644	0.083023712	830.2296753	0.209858373	184.9914551	0.000590894	0.000590894	1.36042E-05	0.013822529	0.007861624	0.413824141	0.069813147	7.11944E-05	48.21679306	8.09237E-05	0.00344477	0.001126559	0.003108221
2035 Feb	1453.861816	2.340227604	3.309868813	0.083073221	830.4595337	0.209913	185.0405731	0.000591065	0.000591065	1.36084E-05	0.013825026	0.007863423	0.413939416	0.069835186	7.12153E-05	48.23404312	8.09407E-05	0.003445503	0.001126971	0.003109072
2035 Mar	1454.544189	2.343742847	3.315492868	0.083147109	830.8659668	0.21000962	185.1177673	0.000591217	0.000591217	1.3613E-05	0.013829567	0.007866188	0.414130419	0.069864348	7.124E-05	48.25596237	8.09718E-05	0.00344673	0.001127452	0.003110225
2035 Apr	1457.227295	2.351994038	3.328168154	0.083361059	832.4539185	0.210398614	185.4285889	0.000591901	0.000591901	1.36308E-05	0.013851615	0.00787835	0.414877534	0.069976702	7.13363E-05	48.33552933	8.111E-05	0.003452224	0.001129156	0.003114959
2035 May	1466.965576	2.384415865	3.377245665	0.084270135	838.8248901	0.211674809	185.9925842	0.000592773	0.000592773	1.3568E-05	0.013927143	0.007907568	0.416937381	0.070522621	7.09704E-05	48.72935486	8.17262E-05	0.003467171	0.001134749	0.003123825
2035 Jun	1294.192505	1.779235005	2.45205164	0.069736473	736.2766724	0.183881521	164.5140686	0.000594577	0.000594577	1.24036E-05	0.01271425	0.007168354	0.367000222	0.064970024	6.35613E-05	44.68080521	7.50765E-05	0.003131156	0.001052887	0.002819011
2035 Jul	2062.716553	4.197238922	6.071291447	0.138780817	1242.036987	0.30418551	225.6224518	0.000422896	0.000422896	9.21091E-06	0.018134601	0.009123635	0.556858063	0.080232903	5.13355E-05	54.53302383	0.000113084	0.004259776	0.001039552	0.003285576
2035 Aug	2274.319824	5.221195698	7.629880905	0.164658099	1396.987183	0.340305746	233.4999084	0.000252316	0.000252316	5.78237E-06	0.019197136	0.009114924	0.602079153	0.07983502	3.57928E-05	54.34814072	0.000121785	0.004402344	0.00089764	0.003132093
2035 Sep	1807.990723	3.757753849	5.420245647	0.122228958	1086.780762	0.272097945	197.9247589	0.000458244	0.000458244	8.54777E-06	0.016816441	0.008065435	0.488328099	0.071814984	4.55883E-05	49.54954147	9.9676E-05	0.003736937	0.000917848	0.002983298
2035 Oct	1715.005737	3.494883537	5.01693821	0.114946887	1030.665771	0.258699715	187.6606903	0.00044768	0.00044768	8.1096E-06	0.016199701	0.007672423	0.462717891	0.068425737	4.29709E-05	47.22552109	9.52528E-05	0.003551601	0.000870451	0.002848466
2035 Nov	1780.017822	3.725748301	5.361455441	0.12159133	1076.645752	0.268884927	190.9598999	0.000406189	0.000406189	7.28166E-06	0.016576277	0.007733023	0.477065027	0.068824507	3.93006E-05	47.40865707	9.84782E-05	0.003617352	0.000842418	0.002827277
2035 Dec	1780.933594	3.739975214	5.38508749	0.121809147	1077.127563	0.269050449	191.0944977	0.000407941	0.000407941	7.30814E-06	0.016587298	0.007737572	0.477388352	0.068883114	3.94098E-05	47.46221924	9.85075E-05	0.003618611	0.000843744	0.002830627
2036 Jan	1781.408325	3.743794918	5.391253471	0.12188141	1077.427856	0.269127399	191.1355438	0.000408127	0.000408127	7.30968E-06	0.016591171	0.007738864	0.477514386	0.068900943	3.94144E-05	47.47707367	9.85284E-05	0.003619183	0.000843959	0.002831275
2036 Feb	1781.237671	3.743421793	5.390701294	0.121868849	1077.319214	0.269101441	191.1169128	0.000408192	0.000408192	7.30945E-06	0.016590072	0.007738356	0.477465242	0.068901516	3.94108E-05	47.47828293	9.85202E-05	0.003618879	0.000844	0.002831183
2036 Mar	1781.150513	3.743227959	5.390414238	0.121862359	1077.263428	0.269088149	191.1073761	0.000408228	0.000408228	7.30935E-06	0.016589522	0.007738103	0.47744	0.068902031	3.9409E-05	47.47907639	9.85161E-05	0.003618726	0.000844024	0.002831142
2036 Apr	1783.874512	3.742325544	5.387239933	0.121978089	1079.040771	0.269477308	191.320282	0.000407158	0.000407158	7.2901E-06	0.016609687	0.007746925	0.478061587	0.068984285	3.93354E-05	47.52790833	9.86768E-05	0.003623803	0.000844296	0.002832841
2036 May	1793.459229	3.74068737	5.378726959	0.122401252	1085.255249	0.270858914	192.087326	0.000404274	0.000404274	7.23195E-06	0.01668529	0.007779039	0.48027429	0.069284499	3.91101E-05	47.71007538	9.92497E-05	0.003641841	0.000845543	0.00283972
2036 Jun	1806.86499	2.762949228	3.693613529	0.112904474	1113.825928	0.271674603	181.381073	0.000233786	0.000233786	3.09434E-06	0.016762422	0.007351701	0.469311327	0.063715152	1.95548E-05	42.52202988	0.000103726	0.003593633	0.000641647	0.002439588
2036 Jul	1900.623901	2.622267723	3.398057938	0.115907066	1178.740356	0.286808312	187.5398254	0.00014923	0.00014923	1.82683E-06	0.017024258	0.007577656	0.489471316	0.064778179	1.47027E-05	42.59343338	0.000107466	0.003741177	0.000605219	0.002440631
2036 Aug	1945.339844	2.685503721	3.479144335	0.118662409	1207.045776	0.292888612	191.9951172	0.000112899	0.000112899	1.66984E-06	0.017174423	0.007723705	0.501010597	0.065897658	1.485E-05	43.28745651	0.000109295	0.003826089	0.000615751	0.002471919
2036 Sep	1893.77356	2.619431019	3.385979652	0.11547631	1175.056274	0.284849793	186.9447174	8.86617E-05	8.86617E-05	1.51862E-06	0.016786581	0.007497832	0.487709373	0.064072162	1.43447E-05	42.21201706	0.000106596	0.003726611	0.000598811	0.0023977
2036 Oct	1679.475586	2.330000877	2.991564035	0.102129683	1039.684204	0.25730738	165.8175812	0.000202331	0.000202331	1.96146E-06	0.015965633	0.006762043	0.432266653	0.058806308	1.32911E-05	39.33869934	9.62755E-05	0.003317504	0.000545918	0.002246479
2036 Nov	1715.946899	2.379320621	3.059277296	0.104414731	1062.858398	0.26170066	169.415863	0.000174735	0.000174735	1.84503E-06	0.016057137	0.006879781	0.441699594	0.059589535	1.34317E-05	39.72219849	9.79858E-05	0.003386365	0.000554149	0.00226578
2036 Dec	1718.970337	2.383340836	3.065044641	0.10460791	1064.812866	0.261997491	169.7140503	0.000170638	0.000170638	1.82638E-06	0.016050484	0.006887896	0.442484021	0.059626702	1.3435E-05	39.72754288	9.81066E-05	0.003391895	0.000554628	0.002265726
2037 Jan	1717.708252	2.381589651	3.06268549	0.104527704	1064.005859	0.26182285	169.588974	0.000171304	0.000171304	1.82896E-06	0.016044041	0.006883963	0.442149192	0.059611112	1.34286E-05	39.7221489	9.80441E-05	0.00338958	0.000554629	0.002265038
2037 Feb	1717.141357	2.380774021	3.061584711	0.104490004	1063.633057	0.261735648	169.5322876	0.000171654	0.000171654	1.83035E-06	0.016040623	0.006882607	0.441990823	0.059619263	1.34257E-05	39.7313652	9.80166E-05	0.003388632	0.000554921	0.002264996
2037 Mar	1717.556396	2.381333113	3.062275171	0.104513496	1063.878174	0.261798441	169.5728607	0.000171917	0.000171917	1.83188E-06	0.016045526	0.006884771	0.442090809	0.059648875	1.34298E-05	39.75317001	9.80429E-05	0.003389545	0.000555315	0.002265928
2037 Apr	1719.48584	2.383999348	3.065687418	0.104629911	1065.066528	0.262092292	169.7631378	0.000172237	0.000172237	1.83456E-06	0.016064135	0.00689279	0.442583621	0.059724551	1.34454E-05	39.80478287	9.81546E-05	0.003393406	0.000556087	0.002268693
2037 May	1529.588013	2.099502563	2.696395636	0.092024475	938.1035156	0.239342138	155.3129578	0.000245736	0.000245736	2.11499E-06	0.015142431	0.006470275	0.403606951	0.059165839	1.26872E-05	39.99782181	9.15378E-05	0.003140667	0.000586574	0.002188069
2037 Jun	1508.919189	2.039144516	2.629934549	0.089709178	914.2254028	0.248392701	163.1356506	0.000190437	0.000190437	1.88567E-06	0.015345662	0.006729665	0.424259216	0.060894139	1.30207E-05	40.81295776	9.55786E-05	0.003293381	0.000606411	0.002225273
2037 Jul	1538.548584	2.078438282	2.682536602	0.0915047	932.2280273	0.253961891	166.8446198	0.000180586	0.000180586	1.85852E-06	0.015604191	0.006855116	0.43417877	0.061482582	1.32572E-05	41.08985519	9.7506E-05	0.003362546	0.000607033	0.00225442
2037 Aug	1570.80957	2.121881962	2.739756584	0.093451902	951.9190063	0.259690106	170.68927	0.000168314	0.000168314	1.81981E-06	0.015849045	0.006989687	0.444326311	0.062312685	1.34886E-05	41.55745697	9.93977E-05	0.003435139	0.000611749	0.002288484
2037 Sep	1588.886841	2.146460295	2.771826744	0.094543912	962.9393311	0.263104916	172.9396362	0.000159294	0.000159294	1.78802E-06	0.015989551	0.007064467	0.450294942	0.062691152	1.36157E-05	41.753582	0.000100462	0.003476735	0.000612464	0.002306264
2037 Oct	1584.998413	2.141899824	2.764873028	0.094311617	960.4980469	0.263182372	172.8017883	0.000155889	0.000155889	1.77038E-06	0.015981324	0.007048627	0.450018018	0.062325671	1.35906E-05	41.48952484	0.000100261	0.003470963	0.00060559	0.002300065
2037 Nov	1583.827026	2.140446424	2.762737751	0.094240114	959.7619629	0.263115466	172.7124023	0.000156179	0.000156179	1.77131E-06	0.015980231	0.007044336	0.449794918	0.062263288	1.35854E-05	41.44882965	0.000100203	0.003468841	0.000604504	0.002299038
2037 Dec	1583.876221	2.14051652	2.762817621	0.094242901	959.7904663	0.263126761	172.7179718	0.00015625	0.00015625	1.7717E-06	0.015981305	0.007044618	0.449809372	0.062266104	1.35861E-05	41.45100021	0.000100207	0.003468957	0.000604526	0.002299173
2038 Jan	1583.823608	2.140445471	2.762720108	0.094239593	959.7572632	0.263118953	172.7121582	0.000156288	0.000156288	1.77185E-06	0.015981063	0.007044443	0.449793756	0.062265556	1.35859E-05	41.45090485	0.000100204	0.003468851	0.000604528	0.002299149
2038 Feb	1583.799194	2.1404109	2.762672663	0.094237968	959.741333	0.26311481	172.7094421	0.000156308	0.000156308	1.77193E-06	0.015980916	0.007044383	0.449786067	0.062266104	1.35857E-05	41.45147705	0.000100203	0.003468806	0.000604545	0.002299152
2038 Mar	1583.839966	2.14046526	2.762741089	0.094240308	959.7654419	0.263121545	172.7138519	0.000156324	0.000156324	1.77204E-06	0.015981384	0.007044591	0.449797213	0.062268525	1.35861E-05	41.45320511	0.000100205	0.0034689	0.000604574	0.002299232
2038 Apr	1584.586304	2.141473293	2.764041424	0.094284654	960.2172852	0.263245463	172.7951965	0.000156405	0.000156405	1.77291E-06	0.015988944	0.007047926	0.450008929	0.062298335	1.35926E-05	41.47311401	0.000100253	0.003470537	0.000604867	0.002300327
2038 May	1574.577148	2.125988483	2.743680716	0.093590401	953.2340698	0.262425154	172.2549133	0.000161274	0.000161274	1.79389E-06	0.015968455	0.00703563	0.448521197	0.062370956	1.35734E-05	41.55739975	0.000100038	0.003461734	0.000607472	0.00230016
2038 Jun	1502.882446	2.015343904	2.600543261	0.088708922	903.715332	0.257121474	168.880722	0.000170742	0.000170742	1.82134E-06	0.015722137	0.006920841	0.439570278	0.061784938	1.33636E-05	41.24142456	9.83918E-05	0.003399477	0.000606808	0.002269969
2038 Jul	1513.093018	2.027818918	2.61692214	0.089269705	909.3748779	0.259551764	170.464386	0.000172481	0.000172481	1.83922E-06	0.015872609	0.006983345	0.44374603	0.062267434	1.34911E-05	41.55006027	9.93308E-05	0.003430886	0.000610736	0.002289241
2038 Aug	1526.753296	2.04372859	2.63801384	0.089987367	916.6152344	0.263397694	173.0264435	0.000166642	0.000166642	1.82503E-06	0.016050532	0.007076193	0.450493962	0.062897056	1.36559E-05	41.92535782	0.000100631	0.003479927	0.000615043	0.002314275
2038 Sep	1527.521362	2.042392969	2.636417866	0.089931875	915.986084	0.265216947	174.2338715	0.000159675	0.000159675	1.79742E-06	0.016114784	0.007113233	0.453710049	0.063025534	1.37144E-05	41.97045135	0.000101167	0.003501589	0.000614229	0.002321735
2038 Oct	1521.173828	2.032725573	2.623485327	0.089492865	911.4880981	0.265211463	174.1576385	0.000158185	0.000158185	1.7896E-06	0.016108695	0.00710596	0.453543901	0.062870763	1.37022E-05	41.8586235	0.000101073	0.003498846	0.000611407	0.0023189
2038 Nov	1521.132813	2.032598972	2.623273611	0.089485884	911.4155884	0.265281349	174.1955414	0.000158258	0.000158258	1.79018E-06	0.016113326	0.007107352	0.453644514	0.062878124	1.37054E-05	41.86354065	0.000101093	0.003499541	0.000611387	0.002319407
2038 Dec	1521.093384	2.032549143	2.623200178	0.08948344	911.3908691	0.26527679	174.190979	0.000158318	0.000158318	1.79045E-06	0.016113421	0.007107224	0.453632563	0.062877469	1.37053E-05	41.86338425	0.000101092	0.003499456	0.000611378	0.002319406
2039 Jan	1521.06189	2.032506943	2.623142242	0.089481473	911.3710938	0.265271872	174.1873169	0.000158342	0.000158342	1.79055E-06	0.016113266	0.007107113	0.453622729	0.062877119	1.37051E-05	41.86332321	0.00010109	0.003499388	0.00061138	0.00231939
2039 Feb	1521.04541	2.032484055	2.62311101	0.089480393	911.3605957	0.265268922	174.1853943	0.000158354	0.000158354	1.7906E-06	0.016113156	0.007107067	0.453617305	0.062877379	1.3705E-05	41.86362839	0.000101089	0.003499356	0.000611389	0.002319389

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2039 Mar	1521.192749	2.032680511	2.623363256	0.089489006	911.4484863	0.265294582	174.2022247	0.000158377	0.000158377	1.79081E-06	0.016114749	0.007107771	0.453660965	0.062883981	1.37064E-05	41.8680954	0.000101099	0.003499697	0.000611457	0.002319627
2039 Apr	1521.780518	2.033465624	2.62437582	0.089523539	911.800415	0.265397042	174.269516	0.000158442	0.000158442	1.79152E-06	0.016120994	0.007110527	0.453836054	0.06290856	1.37117E-05	41.88450241	0.000101138	0.003501051	0.000611698	0.00232053
2039 May	1524.444824	2.036822557	2.628720522	0.089671627	913.3084717	0.265968919	174.6490631	0.000158535	0.000158535	1.79417E-06	0.01615434	0.007125753	0.454824924	0.063040599	1.37404E-05	41.97138977	0.000101354	0.003508634	0.000612972	0.002325366
2039 Jun	1454.557983	1.931665182	2.493992329	0.085095525	866.440918	0.25994435	170.5421753	0.000170334	0.000170334	1.82989E-06	0.015901398	0.006960764	0.44441697	0.061358128	1.34984E-05	40.83462524	0.94236E-05	0.003427328	0.000593725	0.00227087
2039 Jul	1411.558105	1.861746073	2.405081511	0.082068004	835.4130249	0.259306431	170.1117401	0.000163741	0.000163741	1.79502E-06	0.015809333	0.006928388	0.443478405	0.060716894	1.34408E-05	40.32467651	9.90233E-05	0.003415026	0.000583955	0.002253262
2039 Aug	1398.676758	1.839715004	2.377066374	0.081116185	825.6608276	0.259929955	170.3831787	0.000163068	0.000163068	1.79334E-06	0.015799575	0.00693668	0.444219112	0.060666416	1.34593E-05	40.26062775	9.89755E-05	0.003418268	0.000581812	0.002255376
2039 Sep	1400.911987	1.841308951	2.379041195	0.081182964	826.3369751	0.261205554	171.2250977	0.000161306	0.000161306	1.78942E-06	0.015862593	0.006967734	0.446422875	0.060896378	1.35137E-05	40.40530014	9.94085E-05	0.003434499	0.000583574	0.002264347
2039 Oct	1398.33728	1.837036252	2.373327255	0.080988079	824.3535156	0.261353225	171.3113708	0.000160189	0.000160189	1.78435E-06	0.015866434	0.006969527	0.446650267	0.060888369	1.35148E-05	40.39722824	9.94318E-05	0.003435812	0.000583169	0.00226464
2039 Nov	1398.777588	1.837614179	2.3740623	0.081013225	824.6096802	0.261441052	171.3670502	0.000160312	0.000160312	1.78528E-06	0.01587218	0.006971853	0.446795285	0.060909152	1.35195E-05	40.41134644	9.9465E-05	0.003436934	0.000583364	0.002265442
2039 Dec	1398.851807	1.837712646	2.374186754	0.081017479	824.6530762	0.261455625	171.3761139	0.00016034	0.00016034	1.78547E-06	0.015873183	0.00697224	0.446818888	0.060912676	1.35203E-05	40.4137764	9.94705E-05	0.003437118	0.000583397	0.00226558
2040 Jan	1398.837891	1.837694526	2.37416172	0.081016645	824.6447144	0.261453241	171.3743896	0.000160349	0.000160349	1.78551E-06	0.015873097	0.006972185	0.446814299	0.060912453	1.35202E-05	40.41369629	9.94696E-05	0.003437086	0.000583397	0.002265571
2040 Feb	1398.837891	1.837694168	2.374160528	0.0810166	824.6444092	0.261453211	171.3743591	0.000160355	0.000160355	1.78554E-06	0.015873119	0.006972197	0.44681409	0.060912829	1.35202E-05	40.41400146	9.94696E-05	0.003437088	0.000583404	0.00226558
2040 Mar	1398.99939	1.837906003	2.374433994	0.081025921	824.7393188	0.261483341	171.394104	0.000160376	0.000160376	1.78576E-06	0.015874965	0.006973008	0.446865469	0.06092006	1.35218E-05	40.41882706	9.94811E-05	0.003437486	0.000583474	0.002265847
2040 Apr	1399.568359	1.838653445	2.375399113	0.081058867	825.074707	0.261589706	171.4638214	0.000160443	0.000160443	1.78649E-06	0.015881428	0.006975848	0.447047204	0.060944952	1.35273E-05	40.43535995	9.95216E-05	0.003438884	0.000583714	0.002266771
2040 May	1399.377197	1.837927938	2.374348879	0.081023157	824.7332153	0.26176706	171.5774078	0.000161917	0.000161917	1.79444E-06	0.015899854	0.006982917	0.447322816	0.061052501	1.35422E-05	40.51627731	9.96122E-05	0.003441671	0.000585217	0.002270079
2040 Jun	1349.083618	1.762329936	2.275974751	0.077669784	790.7396851	0.257146955	168.5551758	0.00017055	0.00017055	1.81979E-06	0.015692201	0.006878297	0.439322293	0.060465243	1.3355E-05	40.19573212	9.81191E-05	0.003385264	0.000583073	0.002243055
2040 Jul	1348.681152	1.758361936	2.271107674	0.077503331	789.0123291	0.258986235	169.8043976	0.000168186	0.000168186	1.81528E-06	0.015786057	0.006924024	0.442613095	0.060785078	1.34378E-05	40.38734436	9.87985E-05	0.003409443	0.000585483	0.00225547
2040 Aug	1352.285767	1.760843992	2.274458647	0.077616796	790.1543579	0.260955989	171.118576	0.000166166	0.000166166	1.81283E-06	0.015883591	0.006973644	0.446052223	0.061165176	1.35264E-05	40.62473297	9.94875E-05	0.003434976	0.000588669	0.002269886
2040 Sep	1350.31665	1.756141543	2.268387318	0.077409163	788.0336914	0.261863708	171.7197418	0.000164045	0.000164045	1.80574E-06	0.015920756	0.00699467	0.447634906	0.061300997	1.35614E-05	40.70554733	9.97694E-05	0.003446346	0.000589474	0.002275289
2040 Oct	1348.734253	1.753461838	2.264757872	0.077285901	786.7800293	0.262004882	171.793457	0.0001641	0.0001641	1.80644E-06	0.015930019	0.006997325	0.447827965	0.061316002	1.35671E-05	40.71642685	9.9806E-05	0.003447671	0.000589431	0.002276347
2040 Nov	1348.968872	1.753717422	2.265066385	0.077296518	786.8883667	0.26208964	171.8461761	0.000164201	0.000164201	1.80724E-06	0.015935529	0.00699949	0.447965413	0.061334684	1.35715E-05	40.72914124	9.98368E-05	0.003448721	0.000589594	0.002277101
2040 Dec	1348.996704	1.753754497	2.265111685	0.07729809	786.9044189	0.26209563	171.8497009	0.000164222	0.000164222	1.80736E-06	0.015935993	0.00699965	0.447974563	0.061336204	1.35718E-05	40.73023224	9.9839E-05	0.003448794	0.000589608	0.002277163
2041 Jan	1348.998291	1.753756523	2.265113354	0.077298142	786.9049683	0.262096107	171.849884	0.000164231	0.000164231	1.80741E-06	0.015936071	0.00699967	0.44797492	0.061336599	1.35719E-05	40.73054886	9.98393E-05	0.003448799	0.000589613	0.002277177
2041 Feb	1349.006226	1.753766418	2.265125513	0.077298559	786.9093628	0.262097597	171.8508453	0.000164237	0.000164237	1.80745E-06	0.015936185	0.00699972	0.447977304	0.06133727	1.3572E-05	40.73104095	9.98399E-05	0.003448821	0.000589622	0.002277198
2041 Mar	1349.11731	1.75391078	2.26531148	0.0773049	786.9740601	0.262119174	171.8649902	0.000164253	0.000164253	1.80761E-06	0.015937509	0.007000302	0.44801411	0.0613425	1.35731E-05	40.73453522	9.98481E-05	0.003449106	0.000589673	0.00227739
2041 Apr	1349.487427	1.754391789	2.265932798	0.077326104	787.1898804	0.262191087	171.9121399	0.000164299	0.000164299	1.80811E-06	0.015941886	0.007002226	0.448136955	0.061359424	1.35768E-05	40.7457962	9.98755E-05	0.003450053	0.000589837	0.002278017
2041 May	1350.71167	1.755779982	2.267717361	0.077386938	787.8117065	0.262535751	172.1403351	0.000164495	0.000164495	1.8104E-06	0.015962772	0.007011617	0.448729634	0.061445128	1.35947E-05	40.80315399	0.000100008	0.00345466	0.000590706	0.002281102
2041 Jun	1314.079712	1.70102334	2.197193146	0.074990235	763.319519	0.259250283	169.908432	0.000171117	0.000171117	1.83073E-06	0.015826473	0.006924691	0.443018049	0.060636654	1.34626E-05	40.27216339	9.89534E-05	0.003411038	0.000582121	0.002253861
2041 Jul	1281.495239	1.648788214	2.130153179	0.072705351	739.9840088	0.258371145	169.3739014	0.000167477	0.000167477	1.8097E-06	0.015760645	0.006896052	0.441705704	0.060245764	1.34079E-05	39.98082733	9.86294E-05	0.003399176	0.000577088	0.002241053
2041 Aug	1286.16333	1.653180718	2.135882854	0.072900586	741.9666748	0.260237664	170.6058502	0.000167002	0.000167002	1.81444E-06	0.015861923	0.006944307	0.444922954	0.060641494	1.34975E-05	40.23623657	9.93026E-05	0.003423456	0.00058065	0.002255916
2041 Sep	1285.353394	1.650229692	2.132060051	0.072769508	740.6312256	0.261194438	171.2472687	0.000165344	0.000165344	1.80988E-06	0.015906285	0.006967831	0.446600735	0.060816545	1.35375E-05	40.3450737	9.96261E-05	0.003435819	0.000582053	0.002262508
2041 Oct	1282.106689	1.644786954	2.124881268	0.072524667	738.1410522	0.261342019	171.3374634	0.000164519	0.000164519	1.80629E-06	0.015910894	0.006970315	0.446835876	0.060823098	1.35402E-05	40.34747696	9.96569E-05	0.003437329	0.000581907	0.00226312
2041 Nov	1282.315918	1.644989491	2.125117302	0.072532825	738.2245483	0.261434644	171.3947906	0.000164647	0.000164647	1.80726E-06	0.015917007	0.006972692	0.446985185	0.060843937	1.35451E-05	40.36174774	9.96905E-05	0.003438475	0.00058209	0.00226396
2041 Dec	1282.370728	1.645060301	2.12520647	0.072535895	738.2557983	0.261446327	171.4020844	0.000164669	0.000164669	1.80741E-06	0.015917806	0.006973003	0.447004139	0.060846757	1.35457E-05	40.36368942	9.9695E-05	0.003438622	0.000582117	0.00226407
2042 Jan	1282.381592	1.645074248	2.125223398	0.072536469	738.2617798	0.261448681	171.4035034	0.000164679	0.000164679	1.80746E-06	0.015917992	0.006973072	0.447007746	0.060847554	1.35459E-05	40.36426926	9.96959E-05	0.003438652	0.000582126	0.002264099
2042 Feb	1282.381226	1.645073533	2.125221968	0.072536416	738.2614136	0.261448562	171.4034271	0.000164683	0.000164683	1.80748E-06	0.015918005	0.006973078	0.447007418	0.060847823	1.35459E-05	40.36449051	9.96959E-05	0.003438653	0.00058213	0.002264106
2042 Mar	1282.448486	1.645159841	2.125333071	0.072540216	738.3001099	0.261462301	171.4124146	0.000164694	0.000164694	1.80759E-06	0.015918853	0.00697345	0.447030813	0.060851172	1.35466E-05	40.36673355	9.97012E-05	0.003438834	0.000582164	0.002264229
2042 Apr	1283.188965	1.646109581	2.126559734	0.072582088	738.7262573	0.26161322	171.5113678	0.00016479	0.00016479	1.80864E-06	0.015928049	0.006977479	0.447288841	0.060886394	1.35544E-05	40.39011002	9.97587E-05	0.00344082	0.000582501	0.002265538
2042 May	1285.057251	1.648251414	2.129300833	0.072675623	739.6837769	0.262123197	171.8466644	0.00016532	0.00016532	1.8132E-06	0.015960261	0.006991595	0.448158145	0.061019689	1.35818E-05	40.48045731	9.99576E-05	0.003447649	0.000583858	0.002270314
2042 Jun	1259.649048	1.609295487	2.079075575	0.070966646	722.2437744	0.260379702	170.6808319	0.000167924	0.000167924	1.81956E-06	0.015883246	0.006945575	0.44517073	0.060591783	1.35087E-05	40.19746399	9.9396E-05	0.003424801	0.000579421	0.002255545
2042 Jul	1238.767578	1.575477719	2.035589695	0.069485269	707.1247559	0.260014802	170.4402618	0.000166956	0.000166956	1.81345E-06	0.015855236	0.006933214	0.444582552	0.060416214	1.34873E-05	40.06557465	9.92454E-05	0.003419385	0.000577056	0.002250239
2042 Aug	1222.661987	1.548889995	2.001219749	0.068313003	695.1900024	0.26017639	170.516571	0.000164061	0.000164061	1.79948E-06	0.015833298	0.006932711	0.44479835	0.060353264	1.34795E-05	40.01389313	9.91581E-05	0.003419907	0.000575725	0.002248579
2042 Sep	1214.166016	1.534962893	1.98306191	0.06769412	688.8948975	0.260265976	170.5446777	0.000163072	0.000163072	1.79471E-06	0.015826829	0.006932389	0.444880724	0.060326014	1.34768E-05	39.99562454	9.91151E-05	0.003420062	0.000575056	0.002248036
2042 Oct	1209.260742	1.527140856	1.972762585	0.067342922	685.324707	0.260227263	170.509201	0.000162271	0.000162271	1.79051E-06	0.015821228	0.006929951	0.444785893	0.060292881	1.34702E-05	39.97279739	9.9075E-05	0.003419074	0.000574546	0.002247203
2042 Nov	1209.56604	1.527500749	1.973217607	0.067358501	685.4834595	0.260311931	170.5633545	0.000162357	0.000162357	1.79125E-06	0.015826594	0.006932178	0.444927037	0.060312405	1.34747E-05	39.98593903	9.91067E-05	0.003420159	0.000574727	0.002247954
2042 Dec	1209.599243	1.527543187	1.973271132	0.067360334	685.5021362	0.260319442	170.5680237	0.000162371	0.000162371	1.79134E-06	0.015827106	0.006932377	0.444939226	0.060314208	1.34751E-05	39.9871788	9.91096E-05	0.003420254	0.000574744	0.002248025
2043 Jan	1209.598511	1.527542472	1.973269463	0.067360274	685.5016479	0.260319382	170.5679169	0.000162377	0.000162377	1.79137E-06	0.015827134	0.00693238	0.444938868	0.060314365	1.34751E-05	39.98731995	9.91096E-05	0.003420253	0.000574746	0.00224803
2043 Feb	1209.598999	1.52754283	1.973269463	0.067360282	685.50177	0.260319442	170.5679474	0.000162379	0.000162379	1.79138E-06	0.015827151	0.006932388	0.444938868	0.060314566	1.34751E-05	39.98748398	9.91096E-05	0.003420255	0.00057475	0.002248035
2043 Mar	1209.624756	1.527575254	1.973311186	0.067361705	685.5162354	0.260324985	170.5715637	0.000162384	0.000162384	1.79143E-06	0.015827492	0.006932538	0.444948256	0.060315952	1.34754E-05	39.98841476	9.91117E-05	0.003420328	0.000574764	0.002248086
2043 Apr	1210.217651	1.528323889	1.974278092	0.067394711	685.8521729	0.260452539	170.6551666	0.000162465	0.000162465	1.79231E-06	0.015835254	0.006935938	0.44516632	0.060345571	1.3482E-05	40.00805664	9.91603E-05	0.003422005	0.000575046	0.002249189
2043 May	1211.356689	1.529431105	1.975666523	0.067442141	686.3430176	0.260862261	170.9240112	0.000163123	0.000163123	1.79712E-06	0.01586243	0.006947676	0.44585979	0.060463957	1.35049E-05	40.08977127	9.93239E-05	0.003427567	0.000576349	0.00225333
2043 Jun	1184.833496	1.489115477	1.923175216	0.065652505	668.2027588	0.25868389	169.5011902	0.000167101	0.000167101	1.8086E-06	0.015763653	0.006898802	0.442082226	0.060203075	1.34161E-05	39.95071793	9.86166E-05	0.003401045	0.000575628	0.002240981
2043 Jul	1182.926636	1.48360455	1.916140437	0.065413013	665.7520752	0.259995639	170.3680725	0.00016681	0.00016681	1.81218E-06	0.015835365	0.006932419	0.4443537	0.060466047	1.34797E-05	40.11669159	9.9096E-05	0.003418039	0.00057787	0.002251151
2043 Aug	1182.743652	1.480862379	1.912610531	0.065292522	664.5235596	0.26138705	171.2833252	0.000166087	0.000166087	1.81386E-06	0.015907438	0.006967803	0.446746826	0.060749553	1.35445E-05	40.29906082	9.95811E-05	0.003435986	0.00058033	0.002261828
2043 Sep	1178.262207	1.472723246	1.902057767	0.064932302	660.8573608	0.261856169	171.5931396	0.000164761	0.000164761	1.80904E-06	0.015924446	0.006978505	0.447560608	0.060818776	1.35614E-05	40.34039688	9.97167E-05	0.003441806	0.000580737	0.002264528
2043 Oct	1173.507813	1.465546489	1.892513394	0.064607665	657.5583496	0.261620551	171.4067841	0.000165096	0.000165096	1.80962E-06	0.01591392	0.006971162	0.44707182	0.060753684	1.35489E-05	40.30110931	9.9608E-05	0.003437977	0.000579941	0.002262753
2043 Nov	1169.771118	1.460290909	1.885468125	0.064368457	655.1286621	0.261234701	171.1173096	0.000165914	0.000165914	1.81201E-06	0.01589722	0.006960264	0.446313918	0.060664471	1.3531E-05	40.24768066	9.94497E-05	0.003432206	0.000578971	0.002260053
2043 Dec	1169.790039	1.460315466	1.885496974	0.064369455	655.1389771	0.261239618	171.1200104	0.000165937	0.000165937	1.81214E-06	0.015897637	0.006960392	0.446320951	0.060665753	1.35313E-05	40.24861908	9.94516E-05	0.003432262	0.000578983	0.002260108
2044 Jan	1169.792847	1.460319161	1.885500669	0.064369582	655.1403198	0.261240393	171.1204071	0.000165946	0.000165946	1.81219E-06	0.015897729	0.00696042	0.446321845	0.060666185	1.35313E-05	40.24895859	9.94519E-05	0.003432272	0.000578988	0.002260123
2044 Feb	1169.838867	1.460376263	1.885573983	0.064372085	655.1658936	0.261250615	171.1270905	0.000165957	0.000165957	1.81228E-06	0.015898371	0.006960703	0.44633919	0.06066886	1.35319E-05	40.25077438	9.94558E-05	0.003432408	0.000579016	0.002260219
2044 Mar	1169.940918	1.460503697	1.885738015	0.064377688	655.2230225	0.261273384	171.1420135	0.000165973	0.000165973	1.81245E-06	0.015899768	0.006961315	0.446378052	0.06067431	1.35331E-05	40.2544136	9.94645E-05	0.003432708	0.000579069	0.00226042
2044 Apr	1170.198364	1.460824728	1.886152387	0.064391829	655.3670044	0.261330843	171.1796265	0.000166011	0.000166011	1.81285E-06	0.01590327	0.006962848	0.446476132	0.060687736	1.35361E-05	40.26333618	9.94864E-05	0.003433463	0.000579198	0.002260919
2044 May	1171.889893	1.462878704	1.888801098	0.064482249	656.2880249	0.261738747	171.4472351	0.000166282	0.000166282	1.81574E-06	0.015928166	0.006973781	0.447173387	0.060784273	1.35572E-05	40.32758331	9.96422E-05	0.003438842	0.000580134	0.002264488
2044 Jun	876.005127	1.083798528	1.399799347	0.047900178	486.6130371	0.203746319	130.1071625	0.000367192	0.000367192	2.58129E-06	0.012656675	0.005318687	0.338273972	0.047589254	1.14503E-05	31.98357582	7.64748E-05	0.002619216	0.000452552	0.001901227
2044 Jul	501.191925	0.611029685	0.790050983	0.027236024	275.0558472	0.126678467	74.95892334	0.000645175	0.000645175	3.65217E-06	0.0082878	0.003108194	0.192904994	0.030013617	8.68645E-06	20.88466835	4.54721E-05	0.001525269	0.000282269	0.001425488
2044 Aug	318.8287659	0.381227016	0.493408471	0.017210787	172.6248779	0.088455625	47.68331909	0.00078437	0.00078437	4.18853E-06	0.006189066	0.002011125	0.121058784	0.021401098	7.31416E-06	15.46784687	3.00812E-05	0.000967071	0.000204884	0.001169242
2044 Sep	244.5330963	0.29286775	0.381997287	0.013149434	130.3712616	0.073288098	36.98023987	0.000838664	0.000838664	4.40233E-06	0.005396644	0.001570703	0.093011104	0.018061282	6.78576E-06	13.40717411	2.39683E-05	0.000730471	0.000179909	0.001056889
2044 Oct	222.3948059	0.270772755	0.356051862	0.01198456	117.6259079	0.068947606	33.91783524	0.000855614	0.000855614	4.47325E-06	0.005164208	0.001440766	0.085051425	0.017110458	6.64735E-06	12.83983612	2.22104E-05	0.000660715	0.000172791	0.001029849
2044 Nov	223.424118	0.273841321	0.360767663	0.012059962	118.1304092	0.06927219	34.14701843	0.000855165	0.000855165	4.47354E-06	0.005183462	0.001448989	0.085693881	0.017183518	6.6654E-06	12.89057636	2.23363E-05	0.000664776	0.000173493	0.001032298
2044 Dec	223.4960022	0.274064451	0.361111999	0.012065394	118.1660919	0.069294594	34.16280365	0.000855149	0.000855149	4.47363E-06	0.005184805	0.001449547	0.085738361	0.017188588	6.66667E-06	12.89413357	2.2345E-05	0.000665051	0.000173542	0.001032476
2045 Jan	223.5016174	0.274082541	0.361139923	0.012065823	118.1688461	0.069296353	34.16405487	0.000855147	0.000855147	4.47364E-06	0.005184912	0.001449592	0.0857419	0.017189007	6.66677E-06	12.89443111	2.23457E-05	0.000665073	0.000173546	0.00103249
2045 Feb	223.5027924	0.274086148	0.361145407	0.012065908	118.1694031	0.069296703	34.16430664	0.000855147	0.000855147	4.47364E-06	0.005184934	0.001449602	0.0857426	0.017189117	6.66679E-06	12.89451027	2.23458E-05	0.000665078	0.000173547	0.001032493
2045 Mar	223.5097198	0.274095297	0.361157686	0.012066288	118.1730499	0.069298849	34.16539001	0.000855172	0.000855172	4.47377E-06	0.005185094	0.001449648	0.085745327	0.017189665	6.66699E-06	12.89492035	2.23465E-05	0.000665099	0.000173553	0.001032525
2045 Apr	223.5339508	0.274126142	0.361198753	0.012067608	118.1858292	0.069306351	34.16912842	0.000855262	0.000855262	4.47425E-06	0.005185653	0.001449806	0.08575476	0.017191531	6.66771E-06	12.89631939	2.23489E-05	0.000665172	0.000173572	0.001032635
2045 May	223.6872559	0.274314851	0.361447632	0.012075893	118.2668762	0.069353886	34.19258881	0.000855847	0.000855847	4.47731E-06	0.005189209	0.001450801	0.085813656	0.017203324	6.67228E-06	12.90516472	2.23643E-05	0.000665628	0.000173691	0.001033343
2045 Jun	231.5130463	0.313068271	0.424304098	0.012798766	121.1380844	0.07272204	36.86607361	0.000852563	0.000852563	4.49174E-06	0.005399168	0.001538727	0.093599506	0.01800002	6.8761E-06	13.47373676	2.38147E-05	0.000712186	0.000180213	0.001064542
2045 Jul	207.814743	0.282668203	0.384866387	0.011489755	107.7513809	0.0678671	33.39923096	0.00087008	0.00087008	4.55783E-06	0.005110336	0.001402113	0.08446084	0.016871696	6.69625E-06	12.75066853	2.18986E-05	0.000649794	0.000167147	0.001040327
2045 Aug	180.1201477	0.241560966	0.329038024	0.009907078	92.52710724	0.061688691	28.9486618	0.000891124	0.000891124	4.63269E-06	0.00476695	0.00122793	0.072597556	0.015469281	6.45394E-06	11.84966278	1.94051E-05	0.000561962	0.000154203	0.000997165
2045 Sep	161.2252655	0.214050829	0.292002946	0.008821697	82.02584839	0.05746286	25.97674561	0.000904626	0.000904626	4.67993E-06	0.004550736	0.001107939	0.064703271	0.014552278	6.28592E-06	11.27456856	1.77131E-05	0.000495876	0.00014795	0.00096316
2045 Oct	153.769455	0.203868061	0.278558075	0.008400101	77.85054016	0.055794947	24.81433868	0.000910353	0.000910353	4.70089E-06	0.004462203	0.001059837	0.061618615	0.014195994	6.22208E-06	11.05723286	1.70511E-05	0.000469624	0.000145428	0.000952503
2045 Nov	153.9322968	0.204323322	0.279257923	0.008411557	77.92774963	0.055842988	24.85149956	0.000910365	0.000910365	4.70127E-06	0.004465491	0.001061153	0.061723311	0.014208076	6.22488E-06	11.06571388	1.70719E-05	0.000470277	0.000145541	0.00095295
2045 Dec	153.9509583	0.204373151	0.279334098	0.008412843	77.93662262	0.055848595	24.85567284	0.000910376	0.000910376	4.70135E-06	0.004465884	0.001061303	0.061734986	0.014209493	6.22524E-06	11.06672096	1.70742E-05	0.000470351	0.000145554	0.000953007
2046 Jan	153.9608917	0.204401404	0.27937755	0.008413545	77.94130707	0.055851493	24.8579731	0.000910374	0.000910374	4.70137E-06	0.004466082	0.001061384	0.06174149	0.014210233	6.2254E-06	11.06723785	1.70755E-05	0.000470392	0.000145561	0.000953033

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2046 Feb	153.9619446	0.204403445	0.27938059	0.008413608	77.94180298	0.055851828	24.85817337	0.000910378	0.000910378	4.70139E-06	0.004466108	0.001061392	0.061742015	0.014210329	6.22543E-06	11.06731033	1.70756E-05	0.000470395	0.000145562	0.000953038
2046 Mar	153.9683685	0.204412028	0.279392362	0.008413959	77.9450531	0.055854153	24.85921288	0.000910415	0.000910415	4.70158E-06	0.004466294	0.001061437	0.061744597	0.014210925	6.22569E-06	11.06777477	1.70764E-05	0.000470415	0.000145568	0.000953078
2046 Apr	153.9964142	0.204450309	0.279444963	0.008415502	77.95922852	0.055864282	24.8637886	0.000910577	0.000910577	4.70242E-06	0.004467101	0.001061631	0.061756022	0.014213505	6.2268E-06	11.06978035	1.70795E-05	0.000470501	0.000145595	0.000953249
2046 May	154.3327179	0.205247566	0.280651242	0.008437262	78.11766815	0.05596834	24.93788719	0.00091096	0.00091096	4.70492E-06	0.004474517	0.001064357	0.061960112	0.014240421	6.23408E-06	11.0890973	1.71222E-05	0.000471833	0.000145854	0.00095441
2046 Jun	155.9068451	0.213151157	0.293673873	0.008567755	78.44352722	0.056700837	25.6588192	0.000908288	0.000908288	4.69829E-06	0.004530075	0.001089305	0.064069308	0.014447924	6.27294E-06	11.23231697	1.75356E-05	0.0004857	0.000147179	0.000962205
2046 Jul	147.9199066	0.202369869	0.2795268	0.008114058	73.84422302	0.055100389	24.56072807	0.000912121	0.000912121	4.71038E-06	0.004431631	0.001047152	0.061183404	0.014074372	6.20692E-06	10.98625755	1.69428E-05	0.000468321	0.000142116	0.000955279
2046 Aug	136.4067383	0.184375539	0.254714131	0.007449779	67.59687805	0.052467279	22.63719749	0.000921549	0.000921549	4.74408E-06	0.004284819	0.00097289	0.056031037	0.013472853	6.10427E-06	10.59757423	1.58693E-05	0.000431014	0.000136502	0.000936709
2046 Sep	128.2805634	0.172480389	0.238707706	0.006978103	63.03873062	0.05061559	21.38001633	0.000926796	0.000926796	4.76167E-06	0.004196703	0.000921582	0.052705139	0.013087585	6.0297E-06	10.35801411	1.5148E-05	0.000401583	0.00013433	0.000920611
2046 Oct	125.6286621	0.169764563	0.235540956	0.006831053	61.42878342	0.050035823	21.05267143	0.00092848	0.00092848	4.76821E-06	0.004173049	0.000906447	0.051874798	0.012988247	6.00999E-06	10.33071952	1.49553E-05	0.000392569	0.000133911	0.000917468
2046 Nov	126.0929871	0.170982227	0.237407014	0.006861298	61.63180923	0.050163191	21.16864777	0.000928233	0.000928233	4.76792E-06	0.004182793	0.000910564	0.052202679	0.013024497	6.01711E-06	10.32877636	1.50197E-05	0.000394625	0.000134241	0.000918671
2046 Dec	126.1681595	0.171182945	0.237715542	0.006866266	61.66485214	0.050183479	21.18721008	0.00092821	0.00092821	4.76797E-06	0.004184373	0.000911218	0.052255232	0.013030362	6.01833E-06	10.33286381	1.503E-05	0.000394951	0.000134295	0.000918874
2047 Jan	126.1693649	0.171185836	0.237719908	0.006866342	61.66538239	0.050183833	21.18748856	0.000928212	0.000928212	4.76798E-06	0.004184403	0.000911228	0.052256007	0.013030471	6.01836E-06	10.33294392	1.50301E-05	0.000394956	0.000134296	0.000918879
2047 Feb	126.1702652	0.171187475	0.237722293	0.006866394	61.66579819	0.050184142	21.18766403	0.000928216	0.000928216	4.768E-06	0.004184429	0.000911235	0.052256465	0.013030565	6.01839E-06	10.33301544	1.50302E-05	0.000394959	0.000134297	0.000918884
2047 Mar	126.1786804	0.171198994	0.237738311	0.006866852	61.66990662	0.050187476	21.1890831	0.000928277	0.000928277	4.76831E-06	0.004184707	0.000911296	0.05225997	0.013031437	6.01879E-06	10.33370686	1.50313E-05	0.000394986	0.000134306	0.000918945
2047 Apr	126.1891556	0.17121321	0.237758026	0.006867422	61.67502213	0.050191641	21.19084167	0.000928354	0.000928354	4.76871E-06	0.004185054	0.000911372	0.052264307	0.013032522	6.01929E-06	10.33456707	1.50325E-05	0.000395018	0.000134317	0.000919021
2047 May	127.0506821	0.17335847	0.241040051	0.006921369	62.04251862	0.050426118	21.40803719	0.000928122	0.000928122	4.7693E-06	0.004203617	0.000919185	0.052874487	0.013104483	6.03369E-06	10.38470364	1.51538E-05	0.000398895	0.000135005	0.000921481
2047 Jun	128.5649261	0.178572252	0.249404311	0.007017259	62.42729568	0.050921772	21.98985481	0.000925702	0.000925702	4.76213E-06	0.004246856	0.000940201	0.054543793	0.013293904	6.0625E-06	10.51590729	1.54802E-05	0.000410233	0.000136523	0.000927972
2047 Jul	123.2758408	0.17016241	0.237724021	0.006713611	59.57744217	0.049726807	21.08479309	0.000931102	0.000931102	4.78285E-06	0.004170137	0.000906394	0.052098487	0.013008951	6.02021E-06	10.33012581	1.49891E-05	0.00039588	0.000132818	0.000923756
2047 Aug	116.8560486	0.159791306	0.223296314	0.006340759	56.12140274	0.048233971	19.98544693	0.000936924	0.000936924	4.80419E-06	0.004086882	0.000864257	0.049143024	0.012668724	5.96384E-06	10.10997963	1.43758E-05	0.000374795	0.000129632	0.000913375
2047 Sep	112.5450974	0.153579742	0.215032399	0.006086166	53.63019562	0.047213901	19.35701561	0.000939754	0.000939754	4.81409E-06	0.004044929	0.000837829	0.047496345	0.0124826	5.92619E-06	9.997951508	1.40081E-05	0.00035885	0.000128975	0.000904549
2047 Oct	111.0661316	0.151911572	0.213043183	0.005998412	52.68605804	0.046859864	19.19548798	0.000940543	0.000940543	4.81711E-06	0.004032819	0.000829809	0.047092065	0.012435977	5.91548E-06	9.974850655	1.39082E-05	0.000353783	0.000128946	0.000902965
2047 Nov	111.5838165	0.153169438	0.214966878	0.006029575	52.89612579	0.04699029	19.33219528	0.000940209	0.000940209	4.81655E-06	0.004043964	0.000834656	0.047477804	0.01247932	5.92358E-06	10.00481033	1.39832E-05	0.000356208	0.000129351	0.000904377
2047 Dec	111.6185608	0.153253824	0.215096146	0.00603168	52.91029739	0.046998989	19.34122086	0.000940203	0.000940203	4.8166E-06	0.004044728	0.000834974	0.047503244	0.012482254	5.92419E-06	10.00686264	1.39881E-05	0.000356366	0.000129378	0.000904481
2048 Jan	111.623497	0.153265372	0.215113729	0.006031975	52.91233063	0.047000296	19.34246445	0.000940206	0.000940206	4.81662E-06	0.004044843	0.000835019	0.047506724	0.012482688	5.92429E-06	10.00717163	1.39888E-05	0.000356388	0.000129382	0.000904498
2048 Feb	111.624588	0.153266937	0.215115935	0.006032033	52.9128418	0.04700074	19.342659	0.000940214	0.000940214	4.81666E-06	0.004044882	0.000835028	0.047507204	0.012482815	5.92434E-06	10.00727463	1.3989E-05	0.000356392	0.000129384	0.000904507
2048 Mar	111.6248779	0.153267443	0.21511665	0.00603205	52.91296768	0.047000837	19.34271812	0.000940216	0.000940216	4.81667E-06	0.004044891	0.00083503	0.047507353	0.012482849	5.92435E-06	10.00730038	1.3989E-05	0.000356393	0.000129384	0.000904508
2048 Apr	111.6386261	0.153287634	0.215145424	0.006032789	52.91930771	0.047006361	19.34532356	0.000940312	0.000940312	4.81717E-06	0.004045359	0.000835139	0.047513928	0.012484349	5.92501E-06	10.00847816	1.39908E-05	0.000356441	0.0001294	0.000904609
2048 May	111.6901855	0.153359354	0.215246364	0.006035577	52.94363785	0.047027893	19.35438347	0.000940735	0.000940735	4.81934E-06	0.004047209	0.000835528	0.047536295	0.012490091	5.9277E-06	10.01306725	1.39973E-05	0.000356608	0.000129459	0.00090502
2048 Jun	111.7458954	0.154142246	0.216681197	0.006035189	52.77990723	0.047091622	19.50814629	0.000939306	0.000939306	4.81353E-06	0.004057209	0.00084117	0.047993746	0.012529191	5.93129E-06	10.03837395	1.40903E-05	0.000360154	0.000129502	0.000906539
2048 Jul	109.0370789	0.150076374	0.21117866	0.005875956	51.21578979	0.046504728	19.12671471	0.000940475	0.000940475	4.81686E-06	0.004021127	0.000827138	0.046987072	0.012396823	5.90788E-06	9.949373245	1.38909E-05	0.000355194	0.000127393	0.00090494
2048 Aug	104.9959106	0.143504128	0.202029154	0.005640176	49.03137207	0.045552213	18.43907928	0.000943962	0.000943962	4.82946E-06	0.00396973	0.00080093	0.04514445	0.012181644	5.87194E-06	9.809405327	1.35094E-05	0.000342106	0.000125333	0.000898156
2048 Sep	101.6736984	0.138073668	0.194521904	0.005440505	47.18656158	0.044729114	17.89530563	0.00094623	0.00094623	4.83694E-06	0.003933038	0.000778721	0.043696281	0.012017052	5.83969E-06	9.707111359	1.3195E-05	0.000328878	0.000124609	0.000890633
2048 Oct	100.5909958	0.136586785	0.192621082	0.005372762	46.49708557	0.044443674	17.76881981	0.000946751	0.000946751	4.83878E-06	0.003923666	0.000772545	0.043375522	0.01197874	5.8311E-06	9.687072754	1.31177E-05	0.000324954	0.000124557	0.000889297
2048 Nov	100.9382706	0.13738066	0.19383502	0.005392304	46.62772751	0.044524327	17.86499214	0.000946533	0.000946533	4.83848E-06	0.003931732	0.00077596	0.04364777	0.012008905	5.83687E-06	9.707957268	1.3171E-05	0.000326657	0.000124831	0.000890288
2048 Dec	100.9631119	0.137436539	0.193920612	0.005393698	46.63709259	0.044530101	17.87178612	0.00094653	0.00094653	4.83851E-06	0.003932317	0.0007762	0.043666948	0.012011084	5.83733E-06	9.709481239	1.31748E-05	0.000326776	0.000124851	0.000890366
2049 Jan	100.9657288	0.13744238	0.193929493	0.005393844	46.63808823	0.044530731	17.87249374	0.00094653	0.00094653	4.83852E-06	0.003932381	0.000776225	0.043668937	0.012011323	5.83739E-06	9.70965004	1.31752E-05	0.000326789	0.000124854	0.000890375
2049 Feb	100.9661331	0.137443125	0.193930611	0.005393866	46.63824844	0.04453085	17.8725872	0.000946532	0.000946532	4.83853E-06	0.003932393	0.000776229	0.04366919	0.012011369	5.8374E-06	9.709685326	1.31752E-05	0.000326791	0.000124854	0.000890378
2049 Mar	100.9681778	0.137446001	0.193934664	0.005393975	46.63918304	0.044531733	17.87295723	0.00094655	0.00094655	4.83862E-06	0.003932471	0.000776245	0.043670103	0.012011613	5.83751E-06	9.709881783	1.31755E-05	0.000326797	0.000124857	0.000890395
2049 Apr	100.978302	0.137459785	0.193954125	0.005394515	46.64385223	0.044536188	17.87475204	0.000946645	0.000946645	4.83911E-06	0.003932865	0.000776323	0.043674484	0.012012819	5.8381E-06	9.710855484	1.31768E-05	0.00032683	0.000124869	0.000890484
2049 May	101.0396881	0.137555242	0.194092676	0.005397737	46.67020035	0.044559877	17.88784599	0.000947019	0.000947019	4.84107E-06	0.003934959	0.000776854	0.043708418	0.012019675	5.84084E-06	9.716161728	1.31854E-05	0.00032707	0.000124939	0.000890911
2049 Jun	101.2438431	0.138403729	0.195565298	0.005403678	46.58887482	0.044603836	18.05327415	0.00094526	0.00094526	4.83506E-06	0.003946397	0.000782882	0.044199165	0.012062739	5.84507E-06	9.744346619	1.32844E-05	0.000330663	0.000125069	0.000892366
2049 Jul	99.19641876	0.135123432	0.191040859	0.005282188	45.42877197	0.044127598	17.74284172	0.000946556	0.000946556	4.83814E-06	0.003916895	0.000771539	0.043373801	0.011955057	5.82673E-06	9.671583176	1.31214E-05	0.000326683	0.000123348	0.00089115
2049 Aug	96.01226807	0.12959148	0.183186963	0.005096661	43.77666473	0.043377127	17.14991379	0.000950164	0.000950164	4.85188E-06	0.003873232	0.000749239	0.041762974	0.011773696	5.79929E-06	9.553397179	1.27932E-05	0.000315571	0.000121623	0.000885852
2049 Sep	94.13227081	0.126504064	0.17895399	0.004980033	42.68541718	0.042888034	16.86848831	0.000951374	0.000951374	4.85599E-06	0.003856263	0.000737419	0.041025408	0.011689226	5.78221E-06	9.501964569	1.26287E-05	0.000308106	0.000121428	0.000881227
2049 Oct	94.51868439	0.127427772	0.180424348	0.004997331	42.76208115	0.042956062	17.01528549	0.000950835	0.000950835	4.85452E-06	0.003868403	0.000742345	0.041448079	0.011734089	5.78968E-06	9.533740044	1.27087E-05	0.000310412	0.000121887	0.000882555
2049 Nov	95.0476532	0.12854816	0.182141006	0.005024836	42.94499969	0.043066043	17.16878319	0.000950512	0.000950512	4.85416E-06	0.003881189	0.000747754	0.041882936	0.011781897	5.79899E-06	9.566824913	1.27936E-05	0.000313118	0.000122323	0.000884146
2049 Dec	95.09159851	0.128639668	0.1822813	0.005027106	42.960186	0.043075226	17.18148232	0.000950497	0.000950497	4.85419E-06	0.003882256	0.000748199	0.041918833	0.011785896	5.79981E-06	9.569604874	1.28006E-05	0.000313341	0.000122359	0.000884286
2050 Jan	95.09690094	0.128650531	0.18229793	0.005027379	42.9620285	0.043076381	17.18299484	0.000950497	0.000950497	4.8542E-06	0.003882389	0.000748252	0.041923091	0.01178639	5.79992E-06	9.569952011	1.28014E-05	0.000313367	0.000122364	0.000884304
2050 Feb	95.09725952	0.128651172	0.182298854	0.005027398	42.96216202	0.043076482	17.18308258	0.000950498	0.000950498	4.85421E-06	0.0038824	0.000748256	0.041923326	0.011786432	5.79993E-06	9.569982529	1.28015E-05	0.000313369	0.000122364	0.000884306
2050 Mar	95.09770203	0.128651828	0.182299823	0.00502742	42.96234894	0.043076653	17.18317223	0.000950502	0.000950502	4.85423E-06	0.003882416	0.000748259	0.041923553	0.011786486	5.79996E-06	9.570025444	1.28016E-05	0.00031337	0.000122365	0.000884309
2050 Apr	95.10446167	0.128661007	0.182312831	0.005027778	42.96540451	0.043079711	17.18439674	0.000950569	0.000950569	4.85457E-06	0.003882691	0.000748313	0.041926544	0.011787326	5.80037E-06	9.570707321	1.28025E-05	0.000313393	0.000122374	0.000884372
2050 May	95.14308929	0.12871778	0.182394728	0.005029791	42.98200989	0.043095499	17.19218445	0.000950879	0.000950879	4.85617E-06	0.003884155	0.000748638	0.041946322	0.011791953	5.80241E-06	9.574381828	1.28079E-05	0.000313534	0.000122421	0.000884688
2050 Jun	96.04373932	0.130567253	0.185227334	0.00507398	43.27298355	0.043278664	17.46771812	0.000949445	0.000949445	4.85122E-06	0.003907025	0.000758739	0.042730313	0.011877863	5.81509E-06	9.632678032	1.2966E-05	0.000318541	0.000123219	0.000886942
2050 Jul	96.79536438	0.132064283	0.187520206	0.005110069	43.51233292	0.043441631	17.70196724	0.000948153	0.000948153	4.84662E-06	0.003926537	0.000767387	0.043396052	0.01194931	5.8256E-06	9.680662155	1.31009E-05	0.000322821	0.000123864	0.000888783
2050 Aug	97.17932129	0.132758394	0.188568816	0.005128867	43.64708328	0.043546896	17.80856705	0.000948719	0.000948719	4.85027E-06	0.003937866	0.000771413	0.043691479	0.011988789	5.83592E-06	9.708987236	1.31643E-05	0.000324754	0.000124237	0.000890455
2050 Sep	97.75789642	0.133880451	0.190281212	0.005156544	43.83327484	0.043671288	17.98380089	0.000948312	0.000948312	4.84963E-06	0.003953024	0.000777782	0.044186797	0.012044679	5.84642E-06	9.747553825	1.32633E-05	0.0003279	0.000124747	0.000892246
2050 Oct	98.10276794	0.134547561	0.191300049	0.00517318	43.94535828	0.043743264	18.0860672	0.000948266	0.000948266	4.85022E-06	0.003962158	0.00078146	0.044475403	0.012078112	5.85344E-06	9.77093792	1.33211E-05	0.000329716	0.000125055	0.000893427
2050 Nov	98.19409943	0.134721845	0.191566467	0.005177605	43.97543335	0.04376258	18.11267471	0.000948299	0.000948299	4.8506E-06	0.003964597	0.000782412	0.044550255	0.012087013	5.85548E-06	9.777223587	1.33361E-05	0.000330186	0.000125137	0.000893766
2050 Dec	98.20143127	0.13473548	0.191587225	0.00517796	43.9778862	0.043764226	18.11476517	0.000948306	0.000948306	4.85066E-06	0.003964799	0.000782487	0.044556107	0.012087741	5.85566E-06	9.77774334	1.33373E-05	0.000330223	0.000125144	0.000893796
2051 Jan	98.24668884	0.13482298	0.191721737	0.005180105	43.99207306	0.043772593	18.1285305	0.000948281	0.000948281	4.85064E-06	0.003965941	0.000782971	0.044595107	0.012092045	5.85651E-06	9.780722618	1.33449E-05	0.000330465	0.000125184	0.00089394
2051 Feb	98.26477051	0.134857878	0.191775337	0.005180961	43.99775314	0.043775961	18.13401985	0.000948272	0.000948272	4.85064E-06	0.003966398	0.000783164	0.044610653	0.012093769	5.85686E-06	9.781917572	1.3348E-05	0.000330562	0.0001252	0.000893999
2051 Mar	98.26596832	0.134859547	0.191777706	0.005181025	43.9982872	0.043776486	18.13424301	0.000948283	0.000948283	4.8507E-06	0.003966446	0.000783174	0.044611204	0.012093918	5.85693E-06	9.782037735	1.33481E-05	0.000330566	0.000125201	0.00089401
2051 Apr	98.27606964	0.13487339	0.19179742	0.005181557	44.0028038	0.043780982	18.1361084	0.00094838	0.00094838	4.85119E-06	0.003966853	0.000783254	0.044615794	0.012095162	5.85753E-06	9.783043861	1.33495E-05	0.0003306	0.000125214	0.000894102
2051 May	98.5638504	0.135398373	0.192598	0.005195075	44.09600449	0.043842528	18.22017097	0.000948566	0.000948566	4.85279E-06	0.003974671	0.000786277	0.044851203	0.012124171	5.86437E-06	9.803638458	1.33972E-05	0.000332088	0.00012549	0.000895238
2051 Jun	100.5246353	0.13898252	0.198102802	0.005279229	44.64382935	0.044169039	18.85841942	0.000945286	0.000945286	4.84157E-06	0.004024944	0.000809328	0.046664391	0.012324486	5.8938E-06	9.939793587	1.37545E-05	0.000343578	0.000127401	0.000900593
2051 Jul	100.9536667	0.13966538	0.199138284	0.00529667	44.76594925	0.04427046	18.99673653	0.000945082	0.000945082	4.84161E-06	0.004037671	0.000814545	0.047051415	0.012371231	5.90271E-06	9.972011566	1.38359E-05	0.000346132	0.000127844	0.000902099
2051 Aug	101.4002304	0.140387177	0.200231627	0.005315296	44.89651489	0.044374272	19.13658905	0.000945145	0.000945145	4.843E-06	0.00405081	0.000819784	0.047442365	0.012419674	5.91297E-06	10.00594234	1.39167E-05	0.00034868	0.000128302	0.0009038
2051 Sep	102.0890732	0.141563848	0.202022418	0.005342977	45.0784874	0.044496689	19.3673687	0.000944051	0.000944051	4.83938E-06	0.004069389	0.000828144	0.048096575	0.012490992	5.92408E-06	10.05447292	1.4045E-05	0.000352837	0.000128954	0.000905813
2051 Oct	103.200325	0.143529519	0.205003366	0.005387528	45.36340332	0.044669501	19.74413872	0.000941825	0.000941825	4.83131E-06	0.004098985	0.000841663	0.049170088	0.012604439	5.94003E-06	10.13144875	1.42526E-05	0.000359575	0.000129975	0.000908783
2051 Nov	103.348259	0.143785968	0.205388576	0.005393592	45.40352631	0.044695307	19.79202271	0.000941713	0.000941713	4.83114E-06	0.004103173	0.000843394	0.049305636	0.012619884	5.94288E-06	10.14222908	1.42794E-05	0.000360427	0.000130116	0.000909285
2051 Dec	103.3577881	0.143802136	0.205412909	0.005393997	45.40629578	0.044697151	19.79494858	0.000941718	0.000941718	4.83119E-06	0.00410345	0.000843499	0.049313854	0.012620886	5.9431E-06	10.14294243	1.4281E-05	0.000360479	0.000130125	0.000909324
2052 Jan	103.3582916	0.143802971	0.205414116	0.005394018	45.40644836	0.044697262	19.79509163	0.000941719	0.000941719	4.83119E-06	0.004103465	0.000843505	0.049314249	0.012620945	5.94312E-06	10.1429863	1.42811E-05	0.000360481	0.000130126	0.000909326
2052 Feb	103.3590164	0.143803999	0.205415606	0.005394055	45.4067421	0.044697538	19.79524422	0.000941724	0.000941724	4.83122E-06	0.004103492	0.000843511	0.049314644	0.012621036	5.94315E-06	10.14305878	1.42812E-05	0.000360484	0.000130127	0.000909332
2052 Mar	103.3618088	0.143807888	0.20542115	0.0053942	45.40797424	0.044698745	19.79577827	0.000941749	0.000941749	4.83135E-06	0.004103604	0.000843534	0.049315974	0.01262138	5.94332E-06	10.14333534	1.42816E-05	0.000360494	0.00013013	0.000909357
2052 Apr	103.3678055	0.143816233	0.205433056	0.005394512	45.41060257	0.044701338	19.7969265	0.000941804	0.000941804	4.83163E-06	0.004103842	0.000843583	0.049318831	0.012622114	5.94366E-06	10.14392471	1.42824E-05	0.000360515	0.000130138	0.00090941
2052 May	103.4914398	0.14400284	0.205710307	0.005399256	45.44715881	0.044730045	19.83403206	0.000941936	0.000941936	4.83258E-06	0.004107655	0.000845011	0.049421478	0.012636804	5.94692E-06	10.15452194	1.43043E-05	0.000361194	0.000130287	0.000909973
2052 Jun	104.1887131	0.145104378	0.2073697	0.005423865	45.62609863	0.044851959	20.06401443	0.000941082	0.000941082	4.83013E-06	0.004127878	0.000853744	0.050070319	0.012717957	5.95904E-06	10.21105003	1.44373E-05	0.000365421	0.000131098	0.00091225
2052 Jul	104.9671478	0.146304473	0.209184915	0.00545312	45.84068298	0.045010015	20.31123734	0.0009411	0.0009411	4.83217E-06	0.004151043	0.000862986	0.050763369	0.01280498	5.97664E-06	10.27231503	1.45799E-05	0.000369898	0.000131934	0.000915284
2052 Aug	105.3992386	0.146931529	0.210131466	0.00546902	45.96307755	0.045108218	20.44670677	0.000941368	0.000941368	4.83455E-06	0.004164047	0.000868046	0.051140361	0.012853412	5.98755E-06	10.30661774	1.46576E-05	0.000372349	0.000132397	0.000917125
2052 Sep	105.8704758	0.147631079	0.211194232	0.005485279	46.08189774	0.045193348	20.60529137	0.000940927	0.000940927	4.8336E-06	0.004177332	0.000873821	0.051587146	0.012904758	5.99667E-06	10.34206867	1.47455E-05	0.0003752	0.000132875	0.000918738
2052 Oct	106.3489075	0.148384646	0.212339371	0.005503071	46.20352173	0.045270748	20.76407242	0.000940564	0.000940564	4.83307E-06	0.004190696	0.000879524	0.052035805	0.012956031	6.00615E-06	10.37766838	1.48335E-05	0.000378023	0.000133352	0.000920402
2052 Nov	106.4348221	0.148520291	0.21254538	0.005506465	46.22662735	0.04528562	20.79145813	0.000940582	0.000940582	4.83338E-06	0.004193145	0.000880504	0.052112799	0.012965243	6.00817E-06	10.38417435	1.48488E-05	0.000378506	0.000133439	0.000920745
2052 Dec	106.4396362	0.148527682	0.212556481	0.005506663	46.2280426	0.045286648	20.79289627	0.00094059	0.00094059	4.83343E-06	0.004193292	0.000880557	0.052116793	0.012965773	6.00831E-06	10.38455677	1.48496E-05	0.000378532	0.000133444	0.000920768

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2053 Jan	106.4404984	0.148528978	0.212558374	0.005506701	46.2283287	0.045286886	20.79312706	0.000940594	0.000940594	4.83345E-06	0.004193321	0.000880565	0.052117422	0.012965874	6.00834E-06	10.38463211	1.48497E-05	0.000378536	0.000133445	0.000920773
2053 Feb	106.4416351	0.148530588	0.212560654	0.005506758	46.22880554	0.045287345	20.79335785	0.000940603	0.000940603	4.8335E-06	0.004193365	0.000880575	0.052118011	0.012966014	6.0084E-06	10.38474369	1.48499E-05	0.00037854	0.000133446	0.000920782
2053 Mar	106.4454651	0.148535922	0.212568313	0.005506956	46.23046875	0.045288969	20.79410934	0.000940637	0.000940637	4.83367E-06	0.004193516	0.000880607	0.052119888	0.012966483	6.00862E-06	10.38511944	1.48504E-05	0.000378554	0.000133451	0.000920816
2053 Apr	106.4573059	0.148552462	0.212591961	0.005507568	46.23561096	0.045294009	20.79641914	0.000940741	0.000940741	4.83421E-06	0.004193982	0.000880705	0.052125689	0.012967926	6.00929E-06	10.38627625	1.48521E-05	0.000378596	0.000133466	0.000920918
2053 May	108.1325302	0.151075602	0.21645388	0.005568202	46.64048386	0.045530472	21.35986137	0.000939634	0.000939634	4.83324E-06	0.004239782	0.000900585	0.053716682	0.013148854	6.04374E-06	10.51179314	1.51608E-05	0.000388536	0.000135181	0.000926926
2053 Jun	109.8370972	0.153467909	0.220113665	0.005621151	47.00937271	0.045747537	21.9604969	0.000936784	0.000936784	4.82384E-06	0.004286304	0.000922354	0.055415008	0.013345535	6.07243E-06	10.64661121	1.54922E-05	0.000399347	0.000137129	0.000932329
2053 Jul	110.2611313	0.154009148	0.220927149	0.005635289	47.1234169	0.045842808	22.09440613	0.00093725	0.00093725	4.82719E-06	0.004299668	0.000927419	0.055785269	0.013396213	6.08418E-06	10.68280125	1.55708E-05	0.000401792	0.000137635	0.000934308
2053 Aug	110.8566971	0.154816121	0.222142726	0.005656674	47.28372955	0.045964845	22.28062057	0.000938022	0.000938022	4.83249E-06	0.004318049	0.000934316	0.056301761	0.013465755	6.10107E-06	10.73273182	1.56784E-05	0.000405137	0.000138323	0.000937131
2053 Sep	111.3943176	0.155555144	0.223263592	0.005675697	47.42045212	0.046060376	22.45425987	0.000938382	0.000938382	4.83567E-06	0.004334033	0.000940609	0.056786492	0.013527104	6.11508E-06	10.77630424	1.57766E-05	0.000408229	0.000138922	0.000939492
2053 Oct	111.8224411	0.156145096	0.224165857	0.005690117	47.52009201	0.046122856	22.59952545	0.000938237	0.000938237	4.83611E-06	0.004346128	0.000945759	0.057195067	0.013574754	6.12465E-06	10.80950165	1.58567E-05	0.0004108	0.000139378	0.000941142
2053 Nov	112.0349045	0.156439364	0.22461684	0.005697093	47.56729889	0.046150729	22.67327499	0.000938056	0.000938056	4.8358E-06	0.00435201	0.000948356	0.057403237	0.013598183	6.12899E-06	10.82567883	1.5897E-05	0.000412103	0.0001396	0.000941903
2053 Dec	112.0424881	0.156449988	0.224633023	0.005697357	47.56909561	0.046151839	22.67581558	0.000938057	0.000938057	4.83582E-06	0.004352227	0.000948446	0.057410378	0.013599023	6.12917E-06	10.8262682	1.58984E-05	0.000412148	0.000139608	0.000941934
2054 Jan	112.0430374	0.156450734	0.224634141	0.005697379	47.56925964	0.04615197	22.67597389	0.000938058	0.000938058	4.83583E-06	0.004352245	0.000948452	0.05741081	0.013599091	6.12919E-06	10.82631874	1.58985E-05	0.000412151	0.000139609	0.000941937
2054 Feb	112.0436783	0.156451628	0.224635422	0.00569741	47.5695076	0.046152197	22.67611885	0.000938062	0.000938062	4.83585E-06	0.004352269	0.000948458	0.057411186	0.013599172	6.12922E-06	10.82638168	1.58986E-05	0.000412153	0.00013961	0.000941942
2054 Mar	112.0439835	0.156452045	0.224636018	0.005697424	47.56962204	0.046152301	22.67618752	0.000938064	0.000938064	4.83587E-06	0.00435228	0.000948461	0.057411365	0.013599211	6.12924E-06	10.8264122	1.58986E-05	0.000412155	0.00013961	0.000941944
2054 Apr	112.0546951	0.156467021	0.224657521	0.005697968	47.57416534	0.046156708	22.67835999	0.000938154	0.000938154	4.83633E-06	0.004352696	0.000948552	0.057416871	0.013600512	6.12982E-06	10.82744789	1.59002E-05	0.000412194	0.000139624	0.000942034
2054 May	112.1712036	0.156618938	0.224884257	0.00570211	47.60642624	0.046182472	22.71387672	0.000938371	0.000938371	4.83768E-06	0.004356381	0.000949892	0.057514589	0.01361467	6.13338E-06	10.83771992	1.5921E-05	0.000412837	0.000139768	0.00094263
2054 Jun	113.0865173	0.157724455	0.226579994	0.005724473	47.77160263	0.046282362	23.05469513	0.000936194	0.000936194	4.82953E-06	0.004382119	0.000962451	0.058478896	0.013727243	6.14698E-06	10.91420937	1.61109E-05	0.000419057	0.00014091	0.00094534
2054 Jul	113.6742935	0.158410594	0.227633089	0.005739654	47.89059448	0.046372663	23.26646805	0.000935433	0.000935433	4.82739E-06	0.004399784	0.0009703	0.059075166	0.013797541	6.15836E-06	10.96236706	1.62311E-05	0.000422919	0.000141593	0.000947382
2054 Aug	114.2206955	0.159064084	0.228627115	0.005755447	48.01242447	0.046467904	23.45475769	0.000935336	0.000935336	4.82838E-06	0.004416451	0.000977244	0.059602395	0.013862167	6.17124E-06	11.00752258	1.63374E-05	0.000426321	0.000142214	0.0009496
2054 Sep	114.7371902	0.159693748	0.229586437	0.005770263	48.12044907	0.046544738	23.63662338	0.000935036	0.000935036	4.82833E-06	0.004431907	0.000983854	0.060114212	0.013922517	6.18268E-06	11.04950333	1.64386E-05	0.000429583	0.000142787	0.000951587
2054 Oct	115.1327667	0.160177127	0.230322897	0.005780961	48.1950264	0.046592265	23.7814045	0.000934487	0.000934487	4.82675E-06	0.004443459	0.000989041	0.060523845	0.013968209	6.19028E-06	11.08086872	1.6518E-05	0.000432166	0.000143215	0.000952953
2054 Nov	115.2567978	0.160329059	0.230553389	0.005784311	48.21817398	0.046606921	23.82687187	0.000934318	0.000934318	4.82627E-06	0.00444711	0.000990669	0.060652528	0.01398254	6.19268E-06	11.09072208	1.6543E-05	0.000432976	0.000143348	0.000953384
2054 Dec	115.2970581	0.160381258	0.230632842	0.005785562	48.2264328	0.046611793	23.84097481	0.000934301	0.000934301	4.8263E-06	0.004448302	0.00099117	0.060692362	0.013987142	6.1936E-06	11.09393883	1.65508E-05	0.000433225	0.000143392	0.000953541
2055 Jan	115.2985229	0.160383135	0.230635673	0.005785608	48.22674942	0.046611998	23.84147453	0.000934301	0.000934301	4.82631E-06	0.004448347	0.000991188	0.060693767	0.013987316	6.19363E-06	11.09406185	1.65511E-05	0.000433234	0.000143393	0.000953548
2055 Feb	115.29879	0.160383493	0.230636179	0.005785618	48.22682571	0.046612058	23.84155273	0.000934302	0.000934302	4.82631E-06	0.004448356	0.000991191	0.060693979	0.013987353	6.19364E-06	11.09408951	1.65511E-05	0.000433235	0.000143394	0.000953549
2055 Mar	115.2999878	0.160385132	0.230638549	0.005785677	48.22731018	0.04661252	23.84180641	0.000934311	0.000934311	4.82636E-06	0.004448401	0.000991201	0.060694627	0.0139875	6.1937E-06	11.0942049	1.65513E-05	0.00043324	0.000143395	0.000953559
2055 Apr	115.3090515	0.160397738	0.230656669	0.005786131	48.23109818	0.046616189	23.84367943	0.000934385	0.000934385	4.82674E-06	0.004448751	0.000991279	0.060699396	0.013988601	6.19419E-06	11.09507942	1.65526E-05	0.000433274	0.000143407	0.000953634
2055 May	115.4147873	0.160537407	0.230865479	0.005790084	48.26029205	0.046638925	23.87569618	0.000934642	0.000934642	4.82827E-06	0.004452183	0.000992458	0.06078776	0.014000907	6.19769E-06	11.10407448	1.65713E-05	0.000433842	0.000143526	0.000954202
2055 Jun	116.892189	0.162257239	0.233522236	0.005826821	48.50657272	0.046783503	24.4329052	0.000932036	0.000932036	4.81976E-06	0.004497141	0.001012491	0.06237372	0.014172413	6.22463E-06	11.22078514	1.68843E-05	0.000443834	0.00014511	0.000958961
2055 Jul	117.3590698	0.162729681	0.23424843	0.005837395	48.59425735	0.046860546	24.60423851	0.000931633	0.000931633	4.81909E-06	0.004512655	0.001018885	0.062856592	0.01422833	6.23491E-06	11.25919151	1.69846E-05	0.000446973	0.000145627	0.000960697
2055 Aug	117.5996323	0.162995592	0.234642372	0.005845379	48.66392136	0.046929505	24.67600441	0.000932396	0.000932396	4.82343E-06	0.004521218	0.001021667	0.063052058	0.014257468	6.24371E-06	11.28054047	1.70285E-05	0.000448287	0.000145907	0.000962097
2055 Sep	117.9027176	0.163300663	0.235107124	0.005852251	48.71863937	0.046976235	24.78782654	0.000932172	0.000932172	4.82319E-06	0.004531164	0.001025794	0.063367337	0.01429376	6.25059E-06	11.30562973	1.70924E-05	0.000450316	0.000146239	0.000963263
2055 Oct	118.1015015	0.163521022	0.235441402	0.005857492	48.75630188	0.047003999	24.8591423	0.000932129	0.000932129	4.82354E-06	0.004537636	0.00102839	0.063568428	0.014317269	6.25544E-06	11.32206154	1.71332E-05	0.000451593	0.000146455	0.000964078
2055 Nov	118.2224808	0.163659379	0.235652462	0.00586077	48.77820206	0.047017969	24.90292168	0.000932082	0.000932082	4.82366E-06	0.004541498	0.001029962	0.063692316	0.014331434	6.25831E-06	11.33194447	1.71579E-05	0.000452371	0.000146586	0.000964563
2055 Dec	118.2628708	0.163705841	0.235723659	0.005861855	48.78519821	0.047022033	24.91772079	0.000932056	0.000932056	4.82365E-06	0.004542766	0.001030489	0.063734293	0.014336132	6.25923E-06	11.33520699	1.71662E-05	0.000452633	0.000146629	0.000964719
2056 Jan	118.2637177	0.163706928	0.235725224	0.005861888	48.78544998	0.047022253	24.91796112	0.00093206	0.00093206	4.82367E-06	0.004542796	0.001030498	0.063734934	0.01433624	6.25927E-06	11.33528805	1.71664E-05	0.000452637	0.00014663	0.000964724
2056 Feb	118.2642517	0.163707614	0.235726207	0.00586191	48.78563309	0.047022417	24.91809082	0.000932063	0.000932063	4.82369E-06	0.004542816	0.001030504	0.063735284	0.01433631	6.25929E-06	11.33534336	1.71665E-05	0.000452639	0.000146631	0.000964728
2056 Mar	118.2659149	0.163709894	0.235729471	0.00586199	48.78629684	0.04702305	24.9184494	0.000932075	0.000932075	4.82375E-06	0.004542879	0.001030518	0.063736208	0.014336514	6.25938E-06	11.33550358	1.71667E-05	0.000452646	0.000146633	0.000964741
2056 Apr	118.2769012	0.163725093	0.235751376	0.005862534	48.7908287	0.04702742	24.92076492	0.000932162	0.000932162	4.8242E-06	0.004543301	0.001030614	0.063742131	0.014337848	6.25996E-06	11.33655834	1.71683E-05	0.000452688	0.000146646	0.000964831
2056 May	118.4320755	0.163890779	0.235995382	0.005866604	48.82307434	0.047053151	24.97286415	0.000932291	0.000932291	4.82525E-06	0.004548627	0.001032656	0.063886955	0.0143591	6.26425E-06	11.35186672	1.71996E-05	0.000453652	0.00014687	0.000965586
2056 Jun	119.0062408	0.164352462	0.236691996	0.00587278	48.87994003	0.047092494	25.20818901	0.000930375	0.000930375	4.81754E-06	0.004567161	0.001041773	0.064554408	0.014441774	6.27164E-06	11.408144	1.73354E-05	0.000458066	0.000147738	0.000967235
2056 Jul	119.3974228	0.164770707	0.23731178	0.005884042	48.97281647	0.04717562	25.33446693	0.00093107	0.00093107	4.82198E-06	0.004580914	0.001046682	0.064903319	0.014492415	6.28393E-06	11.44478607	1.7412E-05	0.000460388	0.000148247	0.000969285
2056 Aug	119.8832474	0.165260911	0.238046974	0.00589627	49.06982803	0.047256708	25.50338554	0.00093135	0.00093135	4.82469E-06	0.004597181	0.001053053	0.065374561	0.014554488	6.29724E-06	11.48884392	1.75101E-05	0.000463458	0.000148859	0.000971554
2056 Sep	120.2944641	0.165684149	0.238682434	0.005906841	49.14952469	0.047318403	25.64764595	0.00093155	0.00093155	4.82683E-06	0.004610704	0.001058381	0.06577795	0.014605916	6.30841E-06	11.52530479	1.75927E-05	0.000466052	0.000149359	0.000973452
2056 Oct	120.7234726	0.166087776	0.239295498	0.005915204	49.20795822	0.047354821	25.81457329	0.000930904	0.000930904	4.82494E-06	0.004624099	0.001064387	0.066250414	0.014659167	6.3171E-06	11.56187916	1.76849E-05	0.000469037	0.000149863	0.000975022
2056 Nov	120.8601685	0.166220099	0.239495859	0.005918145	49.2281189	0.047367372	25.8665638	0.000930779	0.000930779	4.82474E-06	0.004628395	0.001066246	0.06639725	0.014675963	6.32017E-06	11.57351685	1.77137E-05	0.000469961	0.000150022	0.000975562
2056 Dec	120.8664246	0.166226774	0.239505857	0.005918318	49.22933197	0.047368228	25.86874199	0.000930784	0.000930784	4.82478E-06	0.004628599	0.001066324	0.066403337	0.014676726	6.32035E-06	11.57406139	1.77149E-05	0.00047	0.000150029	0.000975592
2057 Jan	120.867157	0.166227698	0.239507169	0.005918347	49.22956085	0.047368437	25.86893654	0.000930788	0.000930788	4.8248E-06	0.004628626	0.001066332	0.066403858	0.01467682	6.32038E-06	11.57413292	1.7715E-05	0.000470003	0.00015003	0.000975598
2057 Feb	120.8675995	0.16622825	0.239507958	0.005918365	49.22970581	0.047368564	25.86905289	0.00093079	0.00093079	4.82481E-06	0.004628642	0.001066337	0.066404171	0.01467688	6.3204E-06	11.5741787	1.77151E-05	0.000470005	0.000150031	0.000975601
2057 Mar	120.8706131	0.166232377	0.239513904	0.005918511	49.23092651	0.047369737	25.86969757	0.000930813	0.000930813	4.82493E-06	0.004628757	0.001066363	0.066405833	0.014677248	6.32056E-06	11.57446861	1.77155E-05	0.000470017	0.000150035	0.000975625
2057 Apr	120.8825226	0.166248754	0.239537507	0.005919094	49.23577881	0.047374405	25.8722477	0.000930905	0.000930905	4.82541E-06	0.004629214	0.001066469	0.066412374	0.014678696	6.32118E-06	11.57561111	1.77173E-05	0.000470063	0.000150049	0.000975721
2057 May	120.9657211	0.166345671	0.239678219	0.005922115	49.26066208	0.047397099	25.89554405	0.000931257	0.000931257	4.82734E-06	0.004632209	0.001067386	0.066475175	0.014689429	6.32452E-06	11.58366871	1.77318E-05	0.000470488	0.00015016	0.000976262
2057 Jun	121.7027283	0.166887835	0.240502611	0.005929956	49.32501984	0.047438253	26.20092392	0.000929181	0.000929181	4.81941E-06	0.00465658	0.001078903	0.06734243	0.014791941	6.33611E-06	11.6534605	1.79067E-05	0.000476122	0.000151194	0.00097859
2057 Jul	122.0970001	0.167245284	0.241036132	0.005938965	49.40237045	0.047510136	26.33861923	0.000929497	0.000929497	4.82204E-06	0.004670554	0.001084173	0.067725778	0.014843205	6.34742E-06	11.68989182	1.79892E-05	0.000478653	0.000151697	0.000980486
2057 Aug	122.4540634	0.167641282	0.241616741	0.005951316	49.50481415	0.047605883	26.44246483	0.000930887	0.000930887	4.82976E-06	0.00468345	0.001088185	0.068007529	0.01488781	6.36148E-06	11.72307777	1.80532E-05	0.000480537	0.000152141	0.000982732
2057 Sep	122.8711319	0.168015212	0.242180184	0.005960432	49.57458115	0.047660865	26.59502602	0.000930957	0.000930957	4.83132E-06	0.004697395	0.001093771	0.068435133	0.014940454	6.37263E-06	11.7601223	1.81404E-05	0.000483278	0.000152646	0.000984622
2057 Oct	123.3631439	0.168435991	0.242821798	0.005969686	49.63796616	0.047699809	26.78651619	0.000930496	0.000930496	4.83056E-06	0.004713194	0.001100597	0.068976246	0.015001785	6.38395E-06	11.80251789	1.82467E-05	0.000486682	0.000153225	0.000986594
2057 Nov	123.523941	0.168582365	0.243044779	0.0059731	49.66052628	0.047713004	26.84767342	0.000930419	0.000930419	4.83067E-06	0.004718354	0.001102766	0.069148898	0.015021633	6.3879E-06	11.81634521	1.82807E-05	0.000487763	0.000153412	0.000987272
2057 Dec	123.5365067	0.168594092	0.243062556	0.00597339	49.66248703	0.047714241	26.85232353	0.000930421	0.000930421	4.83071E-06	0.00471876	0.001102931	0.069161974	0.015023176	6.38824E-06	11.81742859	1.82833E-05	0.000487845	0.000153427	0.000987328
2058 Jan	123.539299	0.168596581	0.243066326	0.005973448	49.66285706	0.047714442	26.85339546	0.000930419	0.000930419	4.83071E-06	0.004718849	0.001102969	0.069165006	0.015023522	6.38831E-06	11.81766987	1.82838E-05	0.000487864	0.00015343	0.0009874
2058 Feb	123.5397873	0.168597087	0.243067086	0.005973462	49.66296387	0.047714528	26.85355568	0.00093042	0.00093042	4.83072E-06	0.004718866	0.001102975	0.069165446	0.015023585	6.38832E-06	11.81771564	1.82839E-05	0.000487866	0.000153431	0.000987343
2058 Mar	123.5407562	0.168598384	0.243068948	0.005973508	49.66334152	0.047714885	26.8537693	0.000930428	0.000930428	4.83076E-06	0.004718903	0.001102984	0.069166005	0.015023706	6.38837E-06	11.81781006	1.82841E-05	0.00048787	0.000153432	0.000987351
2058 Apr	123.5482712	0.168608636	0.243083715	0.00597387	49.66635895	0.047717787	26.8554039	0.000930484	0.000930484	4.83105E-06	0.004719189	0.001103051	0.069170207	0.01502462	6.38876E-06	11.81853008	1.82852E-05	0.0004879	0.000153441	0.000987411
2058 May	125.6628494	0.170344993	0.245755479	0.006013591	49.9218483	0.047846854	27.68452072	0.000928787	0.000928787	4.82931E-06	0.004785066	0.001131951	0.071511969	0.015285541	6.43917E-06	11.9987936	1.87368E-05	0.000502466	0.000155905	0.000996127
2058 Jun	128.6609344	0.172463626	0.249018982	0.006054496	50.19535065	0.047968335	28.91224289	0.000923633	0.000923633	4.8135E-06	0.004878532	0.00117549	0.074985459	0.015675632	6.50106E-06	12.26571941	1.94071E-05	0.000524319	0.000159704	0.001007425
2058 Jul	128.9982147	0.172722206	0.249401078	0.00606138	50.26029587	0.048032835	29.03047752	0.000924026	0.000924026	4.81636E-06	0.004890329	0.001179989	0.075311892	0.015720641	6.51136E-06	12.29779339	1.94768E-05	0.000526489	0.000160157	0.001009162
2058 Aug	129.4745483	0.173115954	0.249986008	0.006071808	50.3455658	0.048106045	29.1989975	0.000924555	0.000924555	4.82031E-06	0.004906674	0.001186272	0.075779818	0.01578356	6.52583E-06	12.34274864	1.95742E-05	0.000529532	0.000160785	0.001011608
2058 Sep	129.9563446	0.173427567	0.250454336	0.006078143	50.3975296	0.048146702	29.39188004	0.000924063	0.000924063	4.81938E-06	0.004922505	0.001193249	0.07632219	0.01584723	6.53711E-06	12.38678074	1.96811E-05	0.000532994	0.000161401	0.001013617
2058 Oct	130.4966431	0.173805118	0.251024038	0.006085938	50.45096588	0.048177663	29.60979271	0.000923469	0.000923469	4.81817E-06	0.004940035	0.001200985	0.076937392	0.015917135	6.54964E-06	12.43509388	1.98006E-05	0.00053686	0.000162067	0.00101584
2058 Nov	130.6667175	0.17393516	0.251220882	0.006088883	50.47050858	0.048188757	29.67658806	0.000923367	0.000923367	4.81821E-06	0.004945535	0.001203343	0.07712575	0.015938764	6.55387E-06	12.45014191	1.98373E-05	0.000538038	0.000162273	0.001016575
2058 Dec	130.6747589	0.173941582	0.251230538	0.006089036	50.47153473	0.048189368	29.67968559	0.000923366	0.000923366	4.81823E-06	0.004945798	0.001203452	0.07713446	0.015939781	6.55408E-06	12.4508543	1.9839E-05	0.000538093	0.000162282	0.001016611
2059 Jan	130.677002	0.173943266	0.251233071	0.006089074	50.47177124	0.048189491	29.6805706	0.000923365	0.000923365	4.81823E-06	0.00494587	0.001203484	0.077136956	0.015940068	6.55414E-06	12.45105362	1.98395E-05	0.000538109	0.000162285	0.001016621
2059 Feb	130.6773224	0.173943594	0.251233578	0.006089084	50.47185898	0.048189562	29.68066406	0.000923366	0.000923366	4.81823E-06	0.004945881	0.001203487	0.077137217	0.015940111	6.55415E-06	12.451087	1.98396E-05	0.00053811	0.000162285	0.001016623
2059 Mar	130.6774902	0.173943788	0.251233846	0.00608909	50.47190094	0.048189599	29.68071556	0.000923366	0.000923366	4.81824E-06	0.004945887	0.001203489	0.077137351	0.015940137	6.55416E-06	12.45110607	1.98396E-05	0.000538111	0.000162286	0.001016624
2059 Apr	130.6869812	0.173956409	0.251252055	0.006089531	50.47555923	0.04819309	29.68287277	0.000923433	0.000923433	4.81858E-06	0.004946246	0.001203577	0.077142961	0.015941296	6.55463E-06	12.45201111	1.98411E-05	0.00053815	0.000162297	0.001016698
2059 May	131.0266113	0.17422007	0.251647145	0.006095835	50.52058792	0.048222642	29.81180382	0.000923431	0.000923431	4.8196E-06	0.004957432	0.001208222	0.077504568	0.01598588	6.56372E-06	12.48340511	1.99131E-05	0.000540444	0.000162737	0.001018274
2059 Jun	131.9344177	0.174784556	0.25249359	0.006106424	50.60381317	0.048275743	30.17951965	0.000922247	0.000922247	4.81663E-06	0.004987226	0.001221653	0.078539692	0.016111329	6.58396E-06	12.57033157	2.01181E-05	0.000547078	0.000164001	0.001022006
2059 Jul	132.3087616	0.175152227	0.253030926	0.006117778	50.69913101	0.048364595	30.29483986	0.0009235	0.0009235	4.82375E-06	0.005000647	0.001226054	0.078853942	0.016159413	6.59817E-06	12.60579491	2.01878E-05	0.000549165	0.000164483	0.001024307
2059 Aug	132.6384125	0.175467834	0.2534931	0.006127454	50.78025436	0.048439935	30.39834785	0.000924524	0.000924524	4.82965E-06	0.005012306	0.001229964	0.079136573	0.016201558	6.61044E-06	12.63674927	2.02494E-05	0.000551031	0.000164903	0.001026298
2059 Sep	133.0965118	0.175777227	0.253954738	0.006134563	50.8377533	0.048486229	30.5759182	0.000924411	0.000924411	4.83049E-06	0.00502758	0.001236389	0.079633936	0.016261846	6.62247E-06	12.67891502	2.03485E-05	0.000554209	0.000165488	0.001028386
2059 Oct	133.8397217	0.176162228	0.254527926	0.006139831	50.87369919	0.048501227	30.89814186	0.00092272	0.00092272	4.82465E-06	0.005051916	0.001247823	0.080547392	0.016361346	6.63708E-06	12.7466526	2.05233E-05	0.000559946	0.000166428	0.001031128
2059 Nov	134.0532227	0.176300287	0.254731834	0.006142526	50.89118576	0.048510499	30.98565674	0.000922481	0.000922481	4.82416E-06	0.005059057	0.001250934	0.080794737	0.016389502	6.64211E-06	12.76618385	2.05713E-05	0.000561496	0.000166694	0.001032025

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2059 Dec	134.0628052	0.176307008	0.254741788	0.006142676	50.89215469	0.048511054	30.98945427	0.000922478	0.000922478	4.82418E-06	0.005059378	0.001251069	0.080805443	0.016390745	6.64236E-06	12.76705551	2.05734E-05	0.000561563	0.000166706	0.001032068
2060 Jan	134.0638275	0.176307976	0.254743189	0.006142705	50.89237976	0.048511248	30.98978615	0.00092248	0.00092248	4.82419E-06	0.005059415	0.001251081	0.08080636	0.016390879	6.64239E-06	12.76715374	2.05736E-05	0.000561569	0.000166707	0.001032075
2060 Feb	134.0644531	0.176308721	0.254744262	0.006142729	50.89258194	0.048511431	30.98995018	0.000922484	0.000922484	4.82421E-06	0.005059438	0.001251088	0.080806792	0.016390961	6.64242E-06	12.76721668	2.05737E-05	0.000561572	0.000166708	0.001032079
2060 Mar	134.0661621	0.176310942	0.25474745	0.006142807	50.89322281	0.048512042	30.990345	0.000922495	0.000922495	4.82427E-06	0.005059502	0.001251104	0.08080782	0.016391171	6.64251E-06	12.76738071	2.0574E-05	0.000561579	0.00016671	0.001032092
2060 Apr	134.0798492	0.176328927	0.254773438	0.006143434	50.89841461	0.048516992	30.99350739	0.00092259	0.00092259	4.82476E-06	0.005060019	0.001251231	0.080816068	0.016392848	6.64318E-06	12.76868629	2.05761E-05	0.000561637	0.000166727	0.001032198
2060 May	134.9523773	0.17687723	0.255589813	0.006154661	50.97361755	0.048555735	31.34655571	0.000921845	0.000921845	4.8239E-06	0.005089021	0.001263878	0.081811234	0.016510913	6.66448E-06	12.8509903	2.07711E-05	0.000567913	0.000167886	0.001036008
2060 Jun	135.7189789	0.177146286	0.255977452	0.006155884	50.99721527	0.048570272	31.68215561	0.000919904	0.000919904	4.81687E-06	0.005114869	0.001276357	0.082757741	0.016626412	6.67879E-06	12.93025398	2.09582E-05	0.000574051	0.000169082	0.001038902
2060 Jul	136.0362244	0.177449718	0.256415963	0.006165546	51.08298111	0.04865545	31.77700233	0.000921123	0.000921123	4.82366E-06	0.005126543	0.001280062	0.083014108	0.016667882	6.6914E-06	12.96103096	2.10167E-05	0.000575787	0.000169503	0.001040938
2060 Aug	136.4300842	0.177690729	0.256765902	0.006171577	51.14233398	0.048716787	31.92348862	0.000921386	0.000921386	4.82609E-06	0.00514036	0.001285567	0.083420292	0.016721947	6.70305E-06	12.99939632	2.11005E-05	0.000578456	0.00017004	0.001042939
2060 Sep	136.9734802	0.177860156	0.257011473	0.006172176	51.15551758	0.048731551	32.16553497	0.000920059	0.000920059	4.8214E-06	0.005158868	0.001294392	0.084105238	0.016799593	6.71378E-06	13.05248356	2.12322E-05	0.000582831	0.000170786	0.001044982
2060 Oct	137.3499603	0.17802912	0.257255048	0.006174593	51.17388153	0.04874428	32.3268013	0.00091947	0.00091947	4.81975E-06	0.005171809	0.001300189	0.084561087	0.016851474	6.72233E-06	13.08833027	2.13204E-05	0.00058571	0.000171277	0.001046541
2060 Nov	137.5602417	0.178135008	0.25740999	0.006176314	51.18455505	0.04874897	32.41626358	0.000919165	0.000919165	4.81895E-06	0.005178974	0.001303379	0.084814347	0.016880127	6.72717E-06	13.10816002	2.13693E-05	0.000587297	0.000171548	0.001047416
2060 Dec	137.5965729	0.178155914	0.257440895	0.006176755	51.18729401	0.048750382	32.43112946	0.000919144	0.000919144	4.81897E-06	0.005180211	0.001303904	0.084856309	0.016884964	6.72812E-06	13.11154175	2.13774E-05	0.000587559	0.000171593	0.001047581
2061 Jan	137.6004639	0.178158134	0.257444173	0.006176802	51.18758011	0.048750527	32.43272018	0.000919142	0.000919142	4.81897E-06	0.005180344	0.001303961	0.084860794	0.016885487	6.72822E-06	13.11190796	2.13783E-05	0.000587587	0.000171598	0.001047599
2061 Feb	137.6008759	0.178158462	0.25744462	0.006176811	51.18764877	0.048750583	32.43285751	0.000919143	0.000919143	4.81898E-06	0.005180358	0.001303966	0.084861182	0.016885545	6.72823E-06	13.11195087	2.13784E-05	0.00058759	0.000171599	0.001047601
2061 Mar	137.6020203	0.178159803	0.257446557	0.006176855	51.18801498	0.048750922	32.43316269	0.000919149	0.000919149	4.81901E-06	0.005180401	0.001303978	0.084862001	0.016885692	6.72828E-06	13.11206245	2.13786E-05	0.000587596	0.000171601	0.001047609
2061 Apr	137.6155396	0.178177282	0.25747183	0.006177461	51.19303894	0.048755709	32.43635559	0.000919239	0.000919239	4.81948E-06	0.00518091	0.001304107	0.084870346	0.016887354	6.72894E-06	13.11335373	2.13807E-05	0.000587653	0.000171617	0.001047712
2061 May	138.8689728	0.178836897	0.25845477	0.006190338	51.27452087	0.04879044	32.95612335	0.000918095	0.000918095	4.81798E-06	0.005223097	0.001322612	0.086337209	0.017058812	6.76007E-06	13.23274136	2.16659E-05	0.000596864	0.000173284	0.001053252
2061 Jun	140.1298218	0.179149762	0.258910328	0.006189077	51.27672958	0.04877596	33.52668381	0.000914689	0.000914689	4.80555E-06	0.005265743	0.001343432	0.087951466	0.017247481	6.78389E-06	13.36165524	2.19793E-05	0.000607193	0.000175195	0.001057993
2061 Jul	140.5325775	0.179460585	0.259359807	0.006198353	51.35989761	0.048858035	33.66132736	0.000915694	0.000915694	4.81159E-06	0.005280434	0.001348583	0.08832062	0.017302014	6.79827E-06	13.40136528	2.20596E-05	0.000609646	0.000175745	0.00106037
2061 Aug	140.8719025	0.179745466	0.259773374	0.006207148	51.43572235	0.048930839	33.77135849	0.000916703	0.000916703	4.81746E-06	0.005292716	0.001352761	0.088621482	0.017346887	6.81093E-06	13.43425369	2.21251E-05	0.000611636	0.000176195	0.001062438
2061 Sep	141.3626556	0.179979578	0.2601192	0.006212086	51.47726822	0.048964884	33.97029495	0.000916508	0.000916508	4.81807E-06	0.005309677	0.001359971	0.089179538	0.017414723	6.82405E-06	13.4816885	2.22361E-05	0.000615198	0.000176859	0.001064735
2061 Oct	142.2033539	0.180233881	0.260494709	0.006213851	51.48793411	0.048961092	34.34729004	0.000914721	0.000914721	4.81219E-06	0.005338204	0.001373302	0.090247497	0.017531699	6.84207E-06	13.56151485	2.24402E-05	0.000621893	0.000177968	0.001068065
2061 Nov	142.5463715	0.180361301	0.260681063	0.006215472	51.4969368	0.048962101	34.4978714	0.000914151	0.000914151	4.81057E-06	0.00534994	0.00137861	0.090673864	0.017578756	6.84996E-06	13.59386063	2.2522E-05	0.000624556	0.000178411	0.001069492
2061 Dec	142.5587006	0.180367872	0.260690749	0.006215619	51.49789429	0.04896266	34.50288773	0.000914148	0.000914148	4.81059E-06	0.005350365	0.001378787	0.09068799	0.017580397	6.8503E-06	13.5950098	2.25247E-05	0.000624644	0.000178426	0.00106955
2062 Jan	142.5608063	0.180369154	0.260692626	0.00621565	51.49811554	0.048962817	34.5037117	0.000914149	0.000914149	4.81061E-06	0.005350439	0.001378817	0.0906903	0.017580682	6.85036E-06	13.59521103	2.25252E-05	0.000624659	0.000178429	0.001069561
2062 Feb	142.5614777	0.180369884	0.260693669	0.006215674	51.4983139	0.048962995	34.50390244	0.000914152	0.000914152	4.81062E-06	0.005350464	0.001378824	0.090690807	0.017580772	6.85039E-06	13.5952816	2.25253E-05	0.000624662	0.00017843	0.001069565
2062 Mar	142.5657349	0.180375159	0.260701299	0.006215855	51.49980545	0.048964415	34.50496292	0.000914178	0.000914178	4.81076E-06	0.005350624	0.001378866	0.090693593	0.017581305	6.85059E-06	13.59568977	2.2526E-05	0.000624681	0.000178435	0.001069597
2062 Apr	142.5805664	0.180393904	0.260728389	0.0062165	51.50516129	0.0489695	34.50854492	0.000914273	0.000914273	4.81126E-06	0.00535118	0.00137901	0.090703025	0.017583134	6.8513E-06	13.59710503	2.25284E-05	0.000624746	0.000178454	0.001069708
2062 May	142.6236115	0.180446908	0.260805011	0.006218315	51.52014542	0.048983693	34.51929092	0.000914536	0.000914536	4.81265E-06	0.005352789	0.001379435	0.090731427	0.017588461	6.85333E-06	13.60120487	2.25353E-05	0.00062494	0.000178508	0.001070026
2062 Jun	143.1102448	0.180451259	0.260819763	0.006214482	51.49876404	0.048974071	34.75378799	0.000913012	0.000913012	4.80692E-06	0.005371593	0.001387974	0.091400579	0.0176588	6.86266E-06	13.64834499	2.26694E-05	0.000629201	0.00017915	0.001071711
2062 Jul	143.5567474	0.180532217	0.260943592	0.006214481	51.51236343	0.049001794	34.95050812	0.000912362	0.000912362	4.80522E-06	0.00538894	0.001395259	0.091956802	0.017721754	6.87354E-06	13.69138432	2.2784E-05	0.000632793	0.000179731	0.001073573
2062 Aug	144.0353699	0.180698082	0.261191338	0.006217602	51.54600906	0.049043216	35.14975739	0.000912147	0.000912147	4.80572E-06	0.005406707	0.00140257	0.092517368	0.017787386	6.88667E-06	13.7369566	2.28972E-05	0.000636385	0.000180338	0.001075793
2062 Sep	144.4766388	0.180792108	0.261328608	0.006217728	51.55277252	0.049056139	35.3478241	0.000911355	0.000911355	4.80334E-06	0.005422744	0.001409694	0.093078263	0.017848581	6.89691E-06	13.77876186	2.30068E-05	0.000639934	0.000180894	0.0010776
2062 Oct	145.6003113	0.18092984	0.261505902	0.006212658	51.50822067	0.049014822	35.88463211	0.000908165	0.000908165	4.79178E-06	0.00546349	0.001428633	0.094608128	0.018006289	6.91951E-06	13.88540077	2.32979E-05	0.000649455	0.000182301	0.001081795
2062 Nov	145.7853394	0.181002736	0.261607915	0.006213852	51.51473999	0.049018361	35.96414185	0.000908012	0.000908012	4.79166E-06	0.005470246	0.001431452	0.09483318	0.018031513	6.92438E-06	13.90298462	2.33418E-05	0.000650856	0.00018253	0.001082643
2062 Dec	145.795105	0.181007564	0.261614859	0.006213961	51.51545334	0.049018864	35.96813965	0.000908012	0.000908012	4.79169E-06	0.005470599	0.001431593	0.094844438	0.018032815	6.92467E-06	13.9039011	2.3344E-05	0.000650926	0.000182542	0.001082691
2063 Jan	145.796814	0.181008518	0.2616162	0.006213985	51.51562119	0.049019001	35.96880341	0.000908013	0.000908013	4.7917E-06	0.005470661	0.001431617	0.094846301	0.018033044	6.92472E-06	13.90406418	2.33444E-05	0.000650938	0.000182544	0.0010827
2063 Feb	145.7976532	0.181009248	0.261617243	0.006214007	51.51580429	0.049019165	35.96907043	0.000908016	0.000908016	4.79172E-06	0.005470692	0.001431628	0.094847031	0.018033156	6.92475E-06	13.90414715	2.33445E-05	0.000650943	0.000182545	0.001082705
2063 Mar	145.7988434	0.181010559	0.261619121	0.006214051	51.51615906	0.049019501	35.96940613	0.000908022	0.000908022	4.79175E-06	0.005470736	0.001431641	0.094847932	0.018033311	6.9248E-06	13.90426445	2.33447E-05	0.000650949	0.000182547	0.001082713
2063 Apr	145.8071289	0.181020826	0.261633962	0.006214403	51.51908112	0.049022276	35.97145081	0.000908074	0.000908074	4.79202E-06	0.005471047	0.001431722	0.094853327	0.018034335	6.9252E-06	13.90505505	2.33461E-05	0.000650986	0.000182557	0.001082775
2063 May	145.9438934	0.181082547	0.26171571	0.00621567	51.53168106	0.049034771	36.02471924	0.000908133	0.000908133	4.79274E-06	0.005476226	0.001433776	0.095001638	0.018055413	6.92923E-06	13.92016983	2.33773E-05	0.000651964	0.000182778	0.001083502
2063 Jun	146.5483551	0.180741683	0.26115194	0.006196361	51.41432571	0.048952032	36.35816956	0.000904376	0.000904376	4.77664E-06	0.005500536	0.001446742	0.095952369	0.018171091	6.93459E-06	13.99814987	2.35673E-05	0.000658242	0.000184013	0.001085212
2063 Jul	146.7877808	0.180744097	0.261145413	0.006195156	51.42411423	0.048979867	36.46229935	0.000904065	0.000904065	4.77587E-06	0.005510141	0.001450807	0.096243322	0.018208373	6.94051E-06	14.02390003	2.36293E-05	0.000660203	0.000184385	0.001086282
2063 Aug	147.1185608	0.180988833	0.261495829	0.006202681	51.49051285	0.049046721	36.57270813	0.000905017	0.000905017	4.78146E-06	0.005522702	0.001455052	0.0965463	0.01825352	6.95292E-06	14.05697918	2.36961E-05	0.000662212	0.000184835	0.00108831
2063 Sep	147.4606476	0.181088552	0.261634588	0.006204278	51.50890732	0.049069006	36.71606064	0.000904881	0.000904881	4.78192E-06	0.005535525	0.001460352	0.096949011	0.018302988	6.96241E-06	14.09168053	2.37776E-05	0.000664803	0.000185312	0.001089961
2063 Oct	147.8984375	0.18114914	0.261716425	0.006203391	51.5021553	0.049061965	36.91680527	0.000904051	0.000904051	4.7794E-06	0.005551524	0.001467537	0.097518109	0.018366393	6.97259E-06	14.13522339	2.38883E-05	0.000668384	0.00018591	0.001091808
2063 Nov	148.0927582	0.181204677	0.261796594	0.00620413	51.50577927	0.04906233	37.00173187	0.000903857	0.000903857	4.77911E-06	0.005558544	0.001470556	0.097758368	0.018393734	6.97765E-06	14.15421581	2.39352E-05	0.000669887	0.000186168	0.001092695
2063 Dec	148.1283875	0.181217507	0.261815369	0.006204372	51.50712204	0.049062818	37.01689529	0.000903837	0.000903837	4.77914E-06	0.00555982	0.001471093	0.097801194	0.018398669	6.97863E-06	14.15766048	2.39436E-05	0.000670155	0.000186215	0.001092863
2064 Jan	148.1321869	0.181218982	0.261817575	0.006204403	51.50732422	0.04906293	37.01847839	0.000903836	0.000903836	4.77915E-06	0.005559956	0.001471149	0.097805649	0.018399192	6.97874E-06	14.1580286	2.39445E-05	0.000670182	0.00018622	0.001092882
2064 Feb	148.1333466	0.18122004	0.261819065	0.006204437	51.50759506	0.049063183	37.01884842	0.000903841	0.000903841	4.77917E-06	0.005559999	0.001471163	0.097806655	0.018399348	6.97878E-06	14.15814495	2.39447E-05	0.000670189	0.000186221	0.00109289
2064 Mar	148.1383667	0.181226149	0.261827886	0.006204646	51.50932693	0.04906483	37.02009583	0.000903871	0.000903871	4.77933E-06	0.005560187	0.001471213	0.097809955	0.018399972	6.97902E-06	14.15862465	2.39455E-05	0.000670212	0.000186228	0.001092926
2064 Apr	148.1474304	0.181237236	0.26184389	0.006205026	51.51248169	0.049067836	37.02236176	0.000903927	0.000903927	4.77963E-06	0.005560528	0.001471303	0.097815946	0.018401103	6.97944E-06	14.15949345	2.3947E-05	0.000670253	0.000186239	0.001092993
2064 May	149.3681793	0.181566909	0.262334526	0.006209565	51.53429413	0.049062155	37.55670547	0.00090264	0.00090264	4.77754E-06	0.005603382	0.00149016	0.099325813	0.018573049	7.01095E-06	14.27862263	2.42397E-05	0.000679692	0.000187888	0.001098546
2064 Jun	150.8135529	0.18156372	0.262309045	0.006199548	51.47172928	0.048999589	38.23908997	0.000898933	0.000898933	4.76453E-06	0.005654952	0.001514862	0.101257503	0.018796138	7.04123E-06	14.43114853	2.46151E-05	0.000691983	0.000190121	0.001104393
2064 Jul	151.1658173	0.181744128	0.262565285	0.006204702	51.52468872	0.049057964	38.36752701	0.000899518	0.000899518	4.76843E-06	0.005668152	0.001519773	0.101611719	0.018846357	7.05315E-06	14.46722889	2.46909E-05	0.000694332	0.000190629	0.001106401
2064 Aug	151.5850067	0.181868225	0.26274091	0.006207234	51.55566406	0.04909496	38.53865051	0.000899537	0.000899537	4.76986E-06	0.005683521	0.001526141	0.102089427	0.018907506	7.06536E-06	14.51021385	2.47879E-05	0.00069743	0.000191234	0.001108529
2064 Sep	152.297348	0.181930616	0.262822211	0.006205294	51.54611206	0.04908938	38.86367035	0.000898341	0.000898341	4.7665E-06	0.005709307	0.001537853	0.103008196	0.019012887	7.08256E-06	14.58284569	2.4966E-05	0.000703243	0.000192247	0.001111655
2064 Oct	152.773407	0.182044387	0.26298514	0.006206766	51.55460739	0.049092136	39.07200241	0.000897926	0.000897926	4.76611E-06	0.005726334	0.001545236	0.103596255	0.019080183	7.09527E-06	14.6296072	2.50801E-05	0.000706924	0.000192884	0.001113883
2064 Nov	152.9344635	0.182096541	0.263062447	0.00620782	51.56086731	0.049094848	39.14056015	0.00089786	0.00089786	4.76634E-06	0.005732008	0.001547646	0.103789508	0.019102382	7.09979E-06	14.64509487	2.51176E-05	0.000708129	0.000193094	0.00111466
2064 Dec	152.958847	0.182103738	0.263073176	0.006207951	51.5615654	0.049095005	39.15108109	0.000897845	0.000897845	4.76634E-06	0.005732864	0.001548014	0.103819191	0.019105749	7.10046E-06	14.64743805	2.51233E-05	0.000708314	0.000193126	0.001114776
2065 Jan	152.9611816	0.182104543	0.263074368	0.006207969	51.56167603	0.049095064	39.15206528	0.000897844	0.000897844	4.76635E-06	0.005732947	0.001548049	0.103821956	0.01910607	7.10052E-06	14.64766312	2.51239E-05	0.000708331	0.000193129	0.001114787
2065 Feb	152.9620514	0.182105511	0.263075739	0.006208001	51.56194305	0.049095318	39.15230179	0.000897849	0.000897849	4.76637E-06	0.00573298	0.001548058	0.103822604	0.019106185	7.10056E-06	14.6477499	2.5124E-05	0.000708335	0.00019313	0.001114794
2065 Mar	152.9677734	0.182112306	0.263085574	0.006208232	51.56386566	0.049097147	39.15376282	0.000897883	0.000897883	4.76655E-06	0.005733193	0.001548116	0.103826471	0.019106898	7.10083E-06	14.64829826	2.5125E-05	0.000708362	0.000193138	0.001114835
2065 Apr	152.9842987	0.182131991	0.263114005	0.006208903	51.56944275	0.049102455	39.15799332	0.00089798	0.00089798	4.76707E-06	0.005733814	0.001548284	0.103837691	0.019108966	7.10159E-06	14.64988327	2.51277E-05	0.000708438	0.000193159	0.001114956
2065 May	154.2393951	0.182441905	0.263577402	0.00621357	51.5928154	0.049099773	39.70678329	0.000896886	0.000896886	4.76606E-06	0.005777702	0.00156754	0.105386682	0.019284759	7.13506E-06	14.77175713	2.54266E-05	0.000718099	0.000194835	0.001120802
2065 Jun	154.9930725	0.182287931	0.263330251	0.006203422	51.53546143	0.049058065	40.07597351	0.000894538	0.000894538	4.75729E-06	0.005805227	0.001581106	0.106430881	0.019407419	7.14981E-06	14.85528278	2.56307E-05	0.000724819	0.000196088	0.001123774
2065 Jul	155.4585266	0.182550013	0.263705522	0.006211243	51.60918045	0.04913456	40.24308777	0.000895464	0.000895464	4.76319E-06	0.005822608	0.001587412	0.106891826	0.019472217	7.16611E-06	14.90205193	2.57293E-05	0.000727852	0.000196735	0.00112648
2065 Aug	155.9477081	0.182792261	0.264054924	0.006218188	51.67258453	0.049198274	40.42683029	0.000896159	0.000896159	4.76809E-06	0.005840511	0.001594198	0.107401453	0.019539975	7.18247E-06	14.95054626	2.5835E-05	0.000731153	0.000197402	0.001129212
2065 Sep	156.5858765	0.182759508	0.263994992	0.006213681	51.64861679	0.049185891	40.72907639	0.000894748	0.000894748	4.76346E-06	0.005863553	0.00160496	0.108256206	0.019633956	7.19707E-06	15.01458073	2.59991E-05	0.00073655	0.00019829	0.001131888
2065 Oct	157.5137024	0.182681397	0.263842702	0.0062052	51.58627319	0.049135108	41.18212128	0.00089232	0.00089232	4.75501E-06	0.005897579	0.001620898	0.109542586	0.019770397	7.21738E-06	15.10730648	2.62431E-05	0.000744574	0.000199545	0.001135673
2065 Nov	157.791626	0.182715163	0.263881892	0.006204826	51.58124542	0.049129058	41.30925751	0.000891933	0.000891933	4.75411E-06	0.005907792	0.001625369	0.109902509	0.01981009	7.22449E-06	15.1347456	2.63123E-05	0.000746813	0.000199912	0.001136939
2065 Dec	157.8183289	0.182720929	0.263889909	0.006204898	51.58146286	0.049128883	41.32107544	0.000891911	0.000891911	4.7541E-06	0.005908753	0.001625781	0.109935917	0.019813793	7.22522E-06	15.1373167	2.63188E-05	0.00074702	0.000199946	0.001137066
2066 Jan	157.8278809	0.182723299	0.263893157	0.006204936	51.58163834	0.049128916	41.32524872	0.000891905	0.000891905	4.7541E-06	0.005909097	0.001625927	0.109947689	0.019815115	7.22549E-06	15.13823891	2.6321E-05	0.000747093	0.000199958	0.001137112
2066 Feb	157.8325195	0.182725981	0.263897032	0.006205014	51.58225632	0.04912946	41.32696152	0.000891913	0.000891913	4.75416E-06	0.005909265	0.001625989	0.10995245	0.019815737	7.22565E-06	15.13868523	2.6322E-05	0.000747124	0.000199964	0.001137138
2066 Mar	157.8414917	0.182736367	0.263912022	0.006205366	51.585186	0.049132254	41.32931137	0.000891964	0.000891964	4.75443E-06	0.005909601	0.001626081	0.109958701	0.019816868	7.22606E-06	15.13955021	2.63235E-05	0.000747166	0.000199975	0.001137203
2066 Apr	157.8531799	0.182749927	0.263931572	0.006205827	51.58901215	0.049135894	41.33237457	0.00089203	0.00089203	4.75478E-06	0.00591004	0.001626202	0.109966852	0.019818339	7.22659E-06	15.14067364	2.63254E-05	0.000747222	0.00019999	0.001137287
2066 May	157.9121704	0.182804152	0.26400885	0.006207597	51.60414886	0.049150527	41.35004807	0.000892279	0.000892279	4.75616E-06	0.005912257	0.001626891	0.110014632	0.019826261	7.22904E-06	15.14660263	2.63363E-05	0.000747543	0.000200071	0.001137684
2066 Jun	158.5604248	0.182522744	0.263561308	0.006193617	51.51699448	0.049093917	41.68814468	0.000889776	0.000889776	4.74637E-06	0.005938197	0.001639365	0.110976487	0.019934066	7.2409E-06	15.21943378	2.65265E-05	0.000753718	0.000201127	0.001140085
2066 Jul	159.1596069	0.182765231	0.26390335	0.0062028	51.58293533	0.049168698	41.91908264	0.000890531	0.000890531	4.75193E-06	0.005961437	0.001647994	0.111619249	0.020018414	7.26091E-06	15.27965355	2.66625E-05	0.000757897	0.000201942	0.001143406
2066 Aug	159.6247406	0.182988063	0.264223039	0.006206779	51.6420517	0.049230751	42.0943222	0.000891257	0.000891257	4.75692E-06	0.005978943	0.001654468	0.112105943	0.020082274	7.27684E-06	15.32538986	2.67641E-05	0.000761041	0.000202557	0.001146033
2066 Sep	160.163559	0.183044583	0.264298826	0.006206595	51.64620209	0.049240954	42.33434677	0.000890773	0.000890773	4.75642E-06	0.005998944	0.001663029	0.112782702	0.020158978	7.2915E-06	15.37844753	2.68971E-05	0.000765311	0.000203272	0.001148568
2066 Oct	160.7583313	0.183033526	0.264271528	0.00620341	51.62133789	0.049220089	42.61532211	0.000889696	0.000889696	4.75332E-06	0.006020925	0.001672891	0.113579251	0.020244537	7.30619E-06	15.43696499	2.70501E-05	0.000770274	0.000204056	0.001151174

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2066 Nov	161.0479126	0.183050171	0.264292687	0.00620272	51.61425781	0.049212262	42.74923706	0.000889282	0.000889282	4.75234E-06	0.006031445	0.001677552	0.113958463	0.020285327	7.31366E-06	15.46496391	2.71228E-05	0.000772626	0.00020443	0.00115248
2066 Dec	161.075592	0.183056697	0.264302164	0.006202842	51.61491776	0.049212527	42.76124573	0.000889271	0.000889271	4.75239E-06	0.006032444	0.001677971	0.113992319	0.020289138	7.31446E-06	15.4676199	2.71293E-05	0.000772836	0.000204465	0.001152616
2067 Jan	161.0831451	0.183058426	0.264304668	0.006202874	51.61508942	0.049212586	42.76452255	0.000889268	0.000889268	4.7524E-06	0.006032716	0.001678085	0.114001565	0.020290177	7.31468E-06	15.46834278	2.71311E-05	0.000772894	0.000204474	0.001152653
2067 Feb	161.0856018	0.183060393	0.264307499	0.006202937	51.61560822	0.049213067	42.76532745	0.000889277	0.000889277	4.75244E-06	0.006032806	0.001678115	0.114003763	0.020290503	7.31477E-06	15.46858215	2.71316E-05	0.000772908	0.000204478	0.001152669
2067 Mar	161.0901489	0.183065504	0.26431489	0.00620311	51.61705017	0.049214438	42.76654053	0.000889301	0.000889301	4.75258E-06	0.006032976	0.001678163	0.114007011	0.020291079	7.31498E-06	15.4690218	2.71324E-05	0.00077293	0.000204484	0.001152702
2067 Apr	161.1002197	0.18307662	0.264330924	0.006203486	51.62016678	0.049217407	42.76927567	0.000889355	0.000889355	4.75286E-06	0.006033353	0.001678269	0.11401432	0.020292355	7.31543E-06	15.46999073	2.71341E-05	0.000772979	0.000204496	0.001152773
2067 May	161.2963409	0.183143929	0.264421165	0.006205098	51.6360054	0.049233191	42.84689713	0.000889507	0.000889507	4.75423E-06	0.006040722	0.001681174	0.11423035	0.020321772	7.32163E-06	15.49102592	2.71788E-05	0.000774383	0.000204797	0.001153854
2067 Jun	161.8727264	0.182967961	0.26413098	0.006195758	51.58361816	0.049200192	43.13202667	0.000887805	0.000887805	4.74801E-06	0.006062719	0.001691749	0.115035966	0.020418378	7.33355E-06	15.55716228	2.7338E-05	0.000779592	0.000205786	0.001156248
2067 Jul	162.3451691	0.183244407	0.26452449	0.006204262	51.65996552	0.049277566	43.29969788	0.000888907	0.000888907	4.7548E-06	0.006080528	0.001698057	0.115498178	0.020483891	7.35073E-06	15.60470867	2.7437E-05	0.000782618	0.000206437	0.001159082
2067 Aug	162.9000549	0.183390453	0.264728904	0.006207654	51.69697189	0.049320653	43.52716446	0.000889118	0.000889118	4.75764E-06	0.006101138	0.00170639	0.116133519	0.020563729	7.36785E-06	15.66098404	2.75656E-05	0.000786696	0.000207214	0.00116201
2067 Sep	163.3407288	0.183441073	0.264795154	0.006207885	51.70578384	0.049335334	43.72005081	0.000888856	0.000888856	4.75787E-06	0.00611733	0.00171332	0.116675422	0.020627348	7.38024E-06	15.70522785	2.76722E-05	0.000790135	0.00020782	0.001164165
2067 Oct	163.81073	0.183330745	0.264613688	0.006201739	51.6639595	0.049305785	43.9551239	0.00088756	0.00088756	4.7533E-06	0.006134812	0.001721602	0.11734242	0.020697929	7.39062E-06	15.75301075	2.77986E-05	0.000794305	0.00020847	0.001166103
2067 Nov	164.0877838	0.183337554	0.26461491	0.006200755	51.65484238	0.049296852	44.08355331	0.000887187	0.000887187	4.75248E-06	0.006145099	0.001726123	0.117705896	0.020738255	7.39789E-06	15.78086948	2.78685E-05	0.000796568	0.000208845	0.001167392
2067 Dec	164.1171265	0.183343306	0.264622748	0.006200846	51.65530777	0.049297042	44.09634018	0.000887177	0.000887177	4.75253E-06	0.006146176	0.001726574	0.117741928	0.020742401	7.39874E-06	15.78376961	2.78756E-05	0.000796793	0.000208884	0.001167539
2068 Jan	164.120575	0.183344647	0.264624625	0.006200882	51.65557861	0.049297281	44.09771347	0.00088718	0.00088718	4.75256E-06	0.006146303	0.001726623	0.117745772	0.02074288	7.39885E-06	15.78411102	2.78763E-05	0.000796817	0.000208889	0.001167558
2068 Feb	164.1245575	0.183346346	0.264627039	0.006200929	51.65594864	0.049297601	44.0992775	0.000887184	0.000887184	4.75259E-06	0.006146449	0.001726679	0.117750138	0.020743432	7.39899E-06	15.78450394	2.78772E-05	0.000796845	0.000208894	0.00116758
2068 Mar	164.1363068	0.183355853	0.264640719	0.006201237	51.65847778	0.04929997	44.10308838	0.000887225	0.000887225	4.75282E-06	0.006146885	0.001726822	0.117760569	0.020744972	7.39945E-06	15.78564167	2.78795E-05	0.000796913	0.000208909	0.001167655
2068 Apr	164.1710358	0.183392614	0.264693707	0.006202473	51.66874695	0.049309749	44.11278915	0.0008874	0.0008874	4.75377E-06	0.006148183	0.001727198	0.117786609	0.020749394	7.40098E-06	15.78898716	2.78855E-05	0.000797087	0.000208953	0.001167897
2068 May	164.4734039	0.18343395	0.26474154	0.006202701	51.67309952	0.049314182	44.24350739	0.000887284	0.000887284	4.75423E-06	0.006159508	0.001731981	0.118153453	0.02079561	7.40963E-06	15.8215332	2.79589E-05	0.000799431	0.000209417	0.001169443
2068 Jun	165.3492889	0.182826996	0.263783127	0.006176278	51.50335693	0.049187385	44.723526	0.000883153	0.000883153	4.73746E-06	0.006193803	0.001749822	0.11951676	0.020955183	7.42354E-06	15.92939186	2.82242E-05	0.000808234	0.000211075	0.001172647
2068 Jul	165.7932129	0.182939798	0.263932556	0.006179021	51.53881454	0.049233254	44.90068436	0.000883534	0.000883534	4.74074E-06	0.006211168	0.001756532	0.120009691	0.02102161	7.43791E-06	15.97667885	2.83281E-05	0.000811464	0.000211739	0.001175103
2068 Aug	166.1835785	0.183178291	0.264272213	0.006186577	51.60660172	0.049302738	45.03647614	0.000884575	0.000884575	4.74698E-06	0.006225933	0.001761664	0.120383061	0.021075496	7.45255E-06	16.0159626	2.84085E-05	0.000813916	0.000212274	0.001177503
2068 Sep	166.5760956	0.183169931	0.264245927	0.006184984	51.60416031	0.049311344	45.21354294	0.000884205	0.000884205	4.74653E-06	0.006240838	0.001768099	0.120880879	0.021134328	7.4633E-06	16.05678749	2.85072E-05	0.000817095	0.000212838	0.001179402
2068 Oct	166.8817749	0.183172926	0.26423949	0.006183959	51.59729767	0.049307063	45.3528595	0.000883907	0.000883907	4.74617E-06	0.006252441	0.001773086	0.121274121	0.021179855	7.4717E-06	16.08843994	2.85843E-05	0.00081957	0.000213271	0.001180885
2068 Nov	166.9782562	0.183189422	0.264261603	0.006184223	51.59885406	0.049308002	45.39464951	0.000883893	0.000883893	4.74643E-06	0.006256046	0.001774575	0.121391773	0.021193778	7.47458E-06	16.09821701	2.86075E-05	0.000820308	0.000213404	0.00118138
2068 Dec	167.0393829	0.183193296	0.264266461	0.006184154	51.59770203	0.049306329	45.4223175	0.000883843	0.000883843	4.74641E-06	0.006258307	0.001775548	0.121469975	0.021202656	7.47629E-06	16.10438728	2.86227E-05	0.000820795	0.000213488	0.001181677
2069 Jan	167.0669708	0.183194503	0.264267921	0.006184107	51.59704208	0.049305424	45.43491745	0.000883817	0.000883817	4.74639E-06	0.006259323	0.001775989	0.121505596	0.021206651	7.47706E-06	16.10715675	2.86295E-05	0.000821016	0.000213526	0.001181811
2069 Feb	167.0854645	0.183195844	0.2642679	0.006184097	51.5967865	0.049304996	45.44325638	0.000883804	0.000883804	4.74638E-06	0.006260001	0.001776281	0.121529147	0.021209309	7.47758E-06	16.10900307	2.86341E-05	0.000821163	0.000213551	0.001181901
2069 Mar	167.1018677	0.183196828	0.26427108	0.00618408	51.59649277	0.049304552	45.45069122	0.00088379	0.00088379	4.74638E-06	0.0062606	0.001776541	0.121550158	0.021211667	7.47804E-06	16.11063576	2.86382E-05	0.000821293	0.000213573	0.00118198
2069 Apr	167.1228638	0.18320626	0.264284581	0.006184359	51.59869003	0.049306516	45.45878983	0.000883821	0.000883821	4.74659E-06	0.006261376	0.001776833	0.121572725	0.021214554	7.47876E-06	16.11270332	2.86428E-05	0.000821437	0.000213601	0.0011821
2069 May	167.2195282	0.183292195	0.264407873	0.006187201	51.62289429	0.049329963	45.48822021	0.000884221	0.000884221	4.74881E-06	0.006264994	0.001777964	0.121652469	0.021227324	7.48277E-06	16.12223053	2.86607E-05	0.000821968	0.000213729	0.001182745
2069 Jun	167.7409668	0.182997927	0.263956696	0.006175037	51.54848099	0.049286071	45.7613945	0.000882467	0.000882467	4.74224E-06	0.006286494	0.001788031	0.122428752	0.021314405	7.49368E-06	16.18111229	2.88157E-05	0.000826955	0.000214576	0.001184826
2069 Jul	168.1229401	0.183118075	0.264123708	0.006178529	51.59098816	0.049341395	45.90886688	0.000882999	0.000882999	4.74602E-06	0.006301635	0.001793613	0.122837953	0.021368956	7.50673E-06	16.22000885	2.89036E-05	0.000829649	0.000215105	0.001186978
2069 Aug	168.4829712	0.183223218	0.264270216	0.006181517	51.62702179	0.049388472	46.05047607	0.00088341	0.00088341	4.74917E-06	0.006315533	0.001798896	0.1232315	0.021419965	7.51878E-06	16.25624847	2.89858E-05	0.000832213	0.000215594	0.001188976
2069 Sep	168.8083038	0.183046013	0.263991773	0.006174102	51.5831871	0.049368225	46.22222137	0.00088229	0.00088229	4.74494E-06	0.006328592	0.001805083	0.123719335	0.021471187	7.52558E-06	16.29062462	2.90801E-05	0.000835309	0.000216058	0.001190253
2069 Oct	169.2683716	0.182768986	0.263539433	0.006162028	51.49661636	0.049308408	46.47507858	0.000880481	0.000880481	4.73797E-06	0.006347747	0.00181411	0.124441616	0.021545557	7.53474E-06	16.34073448	2.9218E-05	0.000839824	0.000216723	0.001192042
2069 Nov	169.4751587	0.182743803	0.263484955	0.006160213	51.48155212	0.049297463	46.57434845	0.000880179	0.000880179	4.73726E-06	0.006356142	0.00181766	0.12472339	0.02157704	7.54028E-06	16.36262703	2.92731E-05	0.000841581	0.00021701	0.001193032
2069 Dec	169.4922791	0.182744846	0.263485521	0.006160187	51.48119354	0.049297169	46.58208084	0.00088017	0.00088017	4.73728E-06	0.006356813	0.001817935	0.124745257	0.021579543	7.54078E-06	16.36437988	2.92774E-05	0.000841717	0.000217033	0.001193119
2070 Jan	169.5014038	0.182744622	0.263484716	0.006160146	51.48077393	0.049296796	46.58633804	0.000880161	0.000880161	4.73727E-06	0.00635717	0.001818085	0.124757327	0.021580882	7.54104E-06	16.36531448	2.92797E-05	0.000841792	0.000217045	0.001193164
2070 Feb	169.5071564	0.182744488	0.26348418	0.006160121	51.48051071	0.049296554	46.58901596	0.000880155	0.000880155	4.73727E-06	0.006357394	0.001818179	0.124764919	0.021581732	7.5412E-06	16.36590385	2.92812E-05	0.000841839	0.000217053	0.001193192
2070 Mar	169.5142212	0.182747588	0.263488472	0.00616021	51.48122406	0.049297251	46.59174347	0.000880167	0.000880167	4.73735E-06	0.006357665	0.001818279	0.124772519	0.021582711	7.54145E-06	16.36660957	2.92827E-05	0.000841887	0.000217062	0.001193233
2070 Apr	169.537796	0.182767019	0.263516188	0.006160846	51.48649979	0.049302325	46.59925842	0.000880255	0.000880255	4.73785E-06	0.006358556	0.001818562	0.124793023	0.021585818	7.54241E-06	16.36891556	2.92873E-05	0.000842022	0.000217093	0.001193388
2070 May	169.6881561	0.182798743	0.263549387	0.006161409	51.49524689	0.049314037	46.659832	0.000880373	0.000880373	4.73891E-06	0.006364576	0.0018209	0.124961399	0.021609932	7.54723E-06	16.38626289	2.93229E-05	0.000843133	0.000217343	0.001194247
2070 Jun	170.0607452	0.182522953	0.263091892	0.006149758	51.42791367	0.049276136	46.8590889	0.000878921	0.000878921	4.73323E-06	0.006380536	0.001828596	0.125524729	0.021681501	7.55426E-06	16.43550491	2.94369E-05	0.000846849	0.000218098	0.001195813
2070 Jul	170.4520569	0.182687283	0.26331377	0.006154602	51.47798538	0.049334023	47.00458908	0.000879666	0.000879666	4.73807E-06	0.006395888	0.001834145	0.125926763	0.021738401	7.56815E-06	16.47663116	2.95233E-05	0.000849499	0.000218665	0.001198139
2070 Aug	170.8262787	0.18282105	0.26349476	0.006158466	51.51989746	0.049384419	47.14797211	0.000880231	0.000880231	4.74199E-06	0.006410276	0.001839537	0.126323834	0.021792399	7.58103E-06	16.51535034	2.96066E-05	0.000852094	0.000219196	0.001200304
2070 Sep	171.2291107	0.182649434	0.263210148	0.006150936	51.47583771	0.049363866	47.35282516	0.000879139	0.000879139	4.73817E-06	0.006426267	0.001846956	0.126903504	0.021856852	7.59026E-06	16.55928993	2.97189E-05	0.00085578	0.000219802	0.001202053
2070 Oct	171.4949799	0.182489157	0.262941599	0.006143995	51.42938995	0.049334988	47.49703217	0.000878153	0.000878153	4.73441E-06	0.006437243	0.001852146	0.127313703	0.02190065	7.5957E-06	16.58897209	2.97973E-05	0.000858363	0.000220204	0.001203138
2070 Nov	171.5814056	0.182477668	0.26291728	0.006143244	51.42406845	0.049331825	47.53806305	0.000878038	0.000878038	4.73417E-06	0.0064407	0.001853622	0.127429768	0.021913964	7.59804E-06	16.5982399	2.982E-05	0.000859092	0.000220328	0.001203559
2070 Dec	171.589325	0.182477996	0.26291725	0.006143228	51.42389297	0.049331687	47.54164124	0.000878034	0.000878034	4.73418E-06	0.00644101	0.001853749	0.127439857	0.021915141	7.59827E-06	16.59906578	2.9822E-05	0.000859155	0.000220339	0.0012036
2071 Jan	171.5943604	0.182477832	0.262916684	0.006143205	51.42366791	0.04933149	47.54397583	0.00087803	0.00087803	4.73418E-06	0.006441206	0.001853832	0.127446458	0.0219159	7.59842E-06	16.59959793	2.98232E-05	0.000859196	0.000220346	0.001203625
2071 Feb	171.5961151	0.182477817	0.262916535	0.006143198	51.42360306	0.049331434	47.54476929	0.000878028	0.000878028	4.73418E-06	0.006441274	0.00185386	0.127448708	0.021916162	7.59846E-06	16.59978104	2.98237E-05	0.000859211	0.000220349	0.001203634
2071 Mar	171.598587	0.182478458	0.26291734	0.006143213	51.42372131	0.04933155	47.54579163	0.00087803	0.00087803	4.7342E-06	0.006441369	0.001853897	0.127451569	0.02191652	7.59855E-06	16.60003662	2.98243E-05	0.000859229	0.000220352	0.001203648
2071 Apr	171.6080475	0.182486922	0.262929469	0.006143494	51.42605972	0.049333796	47.54868698	0.00087807	0.00087807	4.73442E-06	0.006441726	0.001854008	0.127459422	0.021917762	7.59894E-06	16.6009655	2.9826E-05	0.000859281	0.000220364	0.001203712
2071 May	171.7453918	0.182451814	0.262861431	0.006141669	51.41734314	0.049330872	47.61303711	0.000877869	0.000877869	4.73392E-06	0.006447335	0.001856475	0.127639934	0.021941977	7.60249E-06	16.61800385	2.98629E-05	0.000860466	0.000220619	0.001204406
2071 Jun	172.0696411	0.181991294	0.262118816	0.006123503	51.30509949	0.049258061	47.81357574	0.000875689	0.000875689	4.72463E-06	0.006462269	0.001864377	0.128209859	0.022014514	7.60608E-06	16.66729546	2.99776E-05	0.000864261	0.000221409	0.001205541
2071 Jul	172.3409882	0.182053149	0.262192011	0.006125091	51.33276749	0.049298905	47.91890717	0.000876041	0.000876041	4.72718E-06	0.00647327	0.001868483	0.128500849	0.022055969	7.61524E-06	16.6969986	3.0041E-05	0.000866215	0.000221829	0.001207105
2071 Aug	172.6264343	0.182211563	0.262411773	0.006130138	51.38379669	0.049356733	48.01794815	0.000876811	0.000876811	4.73177E-06	0.006484258	0.001872295	0.12877202	0.022096105	7.62598E-06	16.72626686	3.01003E-05	0.000868024	0.000222229	0.001208874
2071 Sep	172.8979187	0.182076797	0.262188286	0.006124509	51.35423279	0.049347885	48.15540314	0.00087611	0.00087611	4.72935E-06	0.006495386	0.001877399	0.129160181	0.022141363	7.63233E-06	16.75733376	3.01768E-05	0.000870531	0.000222665	0.001210083
2071 Oct	173.0644836	0.181970358	0.262012959	0.006120116	51.3271637	0.049333438	48.24477768	0.000875525	0.000875525	4.72715E-06	0.006502249	0.001880646	0.129413724	0.022169119	7.63584E-06	16.77616882	3.02257E-05	0.000872144	0.000222924	0.001210775
2071 Nov	173.1987457	0.181932732	0.261941969	0.00611821	51.31292343	0.04932363	48.31109238	0.000875285	0.000875285	4.72649E-06	0.00650787	0.001883059	0.129601866	0.022190915	7.63935E-06	16.7913723	3.02627E-05	0.000873328	0.00022313	0.001211426
2071 Dec	173.2127686	0.181931362	0.261938572	0.006118106	51.31204605	0.049322974	48.3176651	0.000875273	0.000875273	4.72648E-06	0.006508448	0.001883297	0.129620463	0.022193125	7.63975E-06	16.79292679	3.02664E-05	0.000873445	0.000223151	0.001211498
2072 Jan	173.2145538	0.18193166	0.26193887	0.00611811	51.31207657	0.049323019	48.31842422	0.000875274	0.000875274	4.72649E-06	0.006508519	0.001883325	0.129622579	0.022193396	7.63981E-06	16.79312134	3.02668E-05	0.000873459	0.000223153	0.001211508
2072 Feb	173.2154846	0.181931943	0.261939257	0.006118118	51.31214523	0.049323082	48.31878281	0.000875275	0.000875275	4.7265E-06	0.006508555	0.001883338	0.129623592	0.022193536	7.63984E-06	16.79322243	3.0267E-05	0.000873465	0.000223155	0.001211513
2072 Mar	173.2165222	0.181932792	0.26194042	0.006118145	51.3123703	0.049323302	48.3191185	0.000875279	0.000875279	4.72652E-06	0.006508595	0.001883351	0.129624516	0.022193683	7.63988E-06	16.79333115	3.02672E-05	0.000873471	0.000223156	0.00121152
2072 Apr	173.2307587	0.181947708	0.261961877	0.006118646	51.31657791	0.049327344	48.3230896	0.000875351	0.000875351	4.72691E-06	0.006509129	0.001883506	0.129635155	0.022195507	7.64051E-06	16.79471207	3.02697E-05	0.000873543	0.000223175	0.001211619
2072 May	173.3033447	0.182023868	0.26207152	0.006121207	51.33808517	0.049348038	48.34334946	0.000875717	0.000875717	4.72889E-06	0.006511858	0.001884296	0.1296895	0.022204814	7.64371E-06	16.801754	3.02824E-05	0.000873909	0.000223268	0.001212127
2072 Jun	173.5332336	0.181834653	0.261773348	0.006114068	51.29647064	0.049332432	48.46775818	0.000874991	0.000874991	4.72625E-06	0.006522963	0.001889029	0.130044013	0.022244813	7.64906E-06	16.82896996	3.03566E-05	0.000876217	0.000223639	0.001213096
2072 Jul	173.8573303	0.181846038	0.261773676	0.006113931	51.31019211	0.049365152	48.60459518	0.000875152	0.000875152	4.72811E-06	0.00653658	0.001894228	0.130426466	0.022293577	7.65957E-06	16.86337852	3.04376E-05	0.000878721	0.0002241	0.00121486
2072 Aug	174.1921082	0.181727037	0.261577845	0.006109086	51.29077911	0.049374763	48.76590347	0.000874645	0.000874645	4.72684E-06	0.0065505	0.001900239	0.130881414	0.022346087	7.6686E-06	16.8996067	3.05282E-05	0.00088166	0.00022458	0.001216443
2072 Sep	174.4894409	0.181567192	0.261318684	0.006102691	51.25287628	0.049361978	48.91944122	0.0008739	0.0008739	4.72434E-06	0.006563068	0.001905878	0.131317437	0.022394072	7.67589E-06	16.93251228	3.06128E-05	0.000884435	0.00022501	0.001217762
2072 Oct	174.7242584	0.181324303	0.260927469	0.006093175	51.18722916	0.049321678	49.06033707	0.000872698	0.000872698	4.71947E-06	0.006573509	0.001910953	0.131721109	0.022434413	7.68007E-06	16.95950127	3.06888E-05	0.000886964	0.000225356	0.00121862
2072 Nov	174.7980957	0.181291565	0.260870486	0.006091748	51.1770401	0.049315825	49.09846115	0.000872528	0.000872528	4.71893E-06	0.00657667	0.001912329	0.131829619	0.022446219	7.68194E-06	16.96765518	3.07098E-05	0.000887643	0.000225461	0.001218962
2072 Dec	174.8029938	0.181291789	0.260870427	0.006091742	51.17696381	0.049315829	49.10063934	0.000872528	0.000872528	4.71895E-06	0.006576868	0.001912407	0.131835774	0.022446942	7.6821E-06	16.96816635	3.0711E-05	0.000887681	0.000225468	0.001218988
2073 Jan	174.8068848	0.181291491	0.260869712	0.00609172	51.17676544	0.049315695	49.10245514	0.000872525	0.000872525	4.71895E-06	0.006577026	0.001912472	0.1318409	0.022447528	7.68221E-06	16.96857834	3.0712E-05	0.000887714	0.000225473	0.001219008
2073 Feb	174.8076782	0.181291893	0.260870278	0.006091733	51.17687225	0.049315803	49.10274124	0.000872527	0.000872527	4.71897E-06	0.006577057	0.001912483	0.131841704	0.022447644	7.68224E-06	16.96866226	3.07121E-05	0.000887719	0.000225474	0.001219013
2073 Mar	174.8096008	0.181293845	0.260873049	0.006091797	51.17742157	0.049316332	49.10329056	0.000872537	0.000872537	4.71902E-06	0.006577129	0.001912504	0.131843179	0.022447895	7.68233E-06	16.96885109	3.07125E-05	0.000887729	0.000225477	0.001219027
2073 Apr	174.8414764	0.181326896	0.260920614	0.006092908	51.1867485	0.049325321	49.11224365	0.000872696	0.000872696	4.71988E-06	0.006578329	0.001912853	0.131867215	0.022451989	7.68373E-06	16.97194672	3.07181E-05	0.00088789	0.000225518	0.001219249
2073 May	176.0239105	0.181142971	0.260603607	0.00608363	51.10824966	0.049256876	49.67499924	0.000871285	0.000871285	4.71742E-06	0.006623927	0.001932719	0.133460686	0.022631211	7.71662E-06	17.09634209	3.10256E-05	0.000897811	0.0002272	0.001225039
2073 Jun	176.745224	0.180737466	0.259953052	0.00606737	51.00093079	0.049180925	50.04931641	0.000869246	0.000869246	4.71025E-06	0.006652962	0.001946432	0.134521022	0.022755673	7.73317E-06	17.18185616	3.12328E-05	0.00090458	0.000228444	0.001228269
2073 Jul	177.0495148	0.180821761	0.26006341	0.006069901	51.03864288	0.049232766	50.16532135	0.000869696	0.000869696	4.71337E-06	0.006664692	0.001950871	0.134840295	0.02280022	7.74359E-06	17.21367264	3.1301E-05	0.000906713	0.00022889	0.001230027
2073 Aug	177.3969421	0.180931017	0.260209978	0.006073195	51.07692337	0.049280249	50.29862976	0.000870242	0.000870242	4.71712E-06	0.006678032	0.001955896	0.135208875	0.022850901	7.75567E-06	17.25001907	3.13783E-05	0.000909131	0.000229393	0.001232059
2073 Sep	177.7887115	0.180813983	0.260017037	0.006068282	51.05038834	0.049270544	50.48712921	0.000869633	0.000869633	4.71558E-06	0.006693333	0.001962743	0.135740161	0.022912975	7.76607E-06	17.2929039	3.14823E-05	0.000912518	0.000229991	0.001233941

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2073 Oct	178.1282349	0.18059513	0.259664476	0.006059591	50.99078751	0.049230047	50.67062759	0.000868486	0.000868486	4.71133E-06	0.006707018	0.001969285	0.136261642	0.022968864	7.7735E-06	17.3307991	3.15814E-05	0.000915791	0.000230512	0.001235381
2073 Nov	178.2546387	0.180546314	0.259582281	0.006057503	50.97579193	0.0492195	50.73455811	0.000868212	0.000868212	4.71049E-06	0.006712084	0.001971566	0.13644293	0.022988979	7.77669E-06	17.34464455	3.16163E-05	0.000916926	0.000230699	0.00123597
2073 Dec	178.2662048	0.180547997	0.259584188	0.006057537	50.97605515	0.049219795	50.73949432	0.000868217	0.000868217	4.71055E-06	0.00671253	0.001971743	0.136456788	0.02299067	7.77706E-06	17.34584427	3.16191E-05	0.000917014	0.000230716	0.001236034
2074 Jan	178.2692871	0.180548072	0.259584129	0.006057532	50.97600937	0.049219761	50.7408638	0.000868217	0.000868217	4.71056E-06	0.006712649	0.001971792	0.136460647	0.022991132	7.77716E-06	17.34616852	3.16198E-05	0.000917038	0.00023072	0.00123605
2074 Feb	178.2705841	0.180548146	0.259584159	0.006057532	50.97600555	0.049219761	50.74143219	0.000868217	0.000868217	4.71056E-06	0.006712698	0.001971812	0.136462241	0.022991328	7.7772E-06	17.34630585	3.16201E-05	0.000917048	0.000230722	0.001236057
2074 Mar	178.2738037	0.180550858	0.259588033	0.006057622	50.97676086	0.049220491	50.74243927	0.00086823	0.00086823	4.71064E-06	0.00671282	0.001971851	0.136464983	0.022991756	7.77733E-06	17.34662628	3.16208E-05	0.000917066	0.000230726	0.001236078
2074 Apr	178.3006439	0.180578053	0.259627163	0.006058534	50.98443985	0.049227905	50.75008011	0.000868361	0.000868361	4.71134E-06	0.006713831	0.001972148	0.136485547	0.02299522	7.7785E-06	17.34923935	3.16255E-05	0.000917204	0.000230761	0.001236265
2074 May	179.8752136	0.180300832	0.259167969	0.006045599	50.88069153	0.049132418	51.4994812	0.000866383	0.000866383	4.70756E-06	0.006773287	0.001998547	0.138603702	0.023235846	7.82182E-06	17.51589775	3.20338E-05	0.000930423	0.000233069	0.001243967
2074 Jun	180.7247009	0.179623991	0.258109063	0.006019723	50.71230698	0.049008235	51.9647522	0.000863054	0.000863054	4.69468E-06	0.006806687	0.002015527	0.139921844	0.023388604	7.83857E-06	17.61958313	3.22879E-05	0.000938862	0.000234634	0.001247487
2074 Jul	181.1564178	0.179763809	0.258294106	0.006023918	50.76000977	0.049064819	52.12883377	0.000863786	0.000863786	4.6996E-06	0.006823453	0.002021771	0.140375033	0.023453033	7.8537E-06	17.66600037	3.23847E-05	0.000941853	0.00023529	0.00125005
2074 Aug	181.5568085	0.179967776	0.258579224	0.006030452	50.82131195	0.049129248	52.27201462	0.000864771	0.000864771	4.70562E-06	0.006838657	0.002027171	0.140768915	0.023509795	7.86858E-06	17.70727921	3.2469E-05	0.00094444	0.00023586	0.001252514
2074 Sep	182.1075287	0.17977868	0.258273512	0.00602277	50.77464294	0.049101397	52.54150772	0.00086378	0.00086378	4.70282E-06	0.006859879	0.002036854	0.141529277	0.023597468	7.88284E-06	17.76766396	3.26166E-05	0.000949261	0.000236712	0.001255123
2074 Oct	182.5820618	0.17960833	0.257993668	0.006015704	50.72465897	0.049064487	52.77854538	0.000862831	0.000862831	4.70001E-06	0.006878332	0.002045249	0.142200232	0.023672119	7.895E-06	17.81898308	3.27455E-05	0.000953464	0.000237419	0.001257346
2074 Nov	182.8669586	0.17955716	0.257907748	0.00601335	50.70563126	0.049047694	52.91459656	0.000862478	0.000862478	4.69935E-06	0.006889138	0.002050014	0.14258495	0.023715077	7.9029E-06	17.84870338	3.28194E-05	0.000955856	0.000237824	0.001258741
2074 Dec	182.9042969	0.179554358	0.257902682	0.006013187	50.70415878	0.049046241	52.93188858	0.000862449	0.000862449	4.69935E-06	0.006890533	0.002050618	0.142633751	0.023720566	7.90398E-06	17.85251617	3.28288E-05	0.00095616	0.000237876	0.001258928
2075 Jan	182.9125671	0.179553807	0.257901669	0.006013153	50.70384979	0.049045928	52.93570709	0.000862443	0.000862443	4.69935E-06	0.006890841	0.00205075	0.142644539	0.023721775	7.90422E-06	17.85335732	3.28309E-05	0.000956226	0.000237887	0.00125897
2075 Feb	182.9177856	0.17955412	0.257901996	0.006013155	50.70385742	0.04904592	52.93801117	0.000862442	0.000862442	4.69936E-06	0.006891035	0.002050831	0.142650992	0.023722533	7.90438E-06	17.85388756	3.28321E-05	0.000956267	0.000237894	0.001258997
2075 Mar	182.9239807	0.179559022	0.257909	0.006013317	50.70521927	0.049047239	52.93999863	0.000862465	0.000862465	4.69949E-06	0.006891268	0.002050907	0.142656431	0.023723358	7.90463E-06	17.85449791	3.28333E-05	0.000956303	0.000237902	0.001259038
2075 Apr	183.1421967	0.17955254	0.257895201	0.006012733	50.69957352	0.049041264	53.03950119	0.000862343	0.000862343	4.69969E-06	0.006899376	0.002054379	0.142937019	0.023755139	7.91106E-06	17.87661362	3.28875E-05	0.000958047	0.000238202	0.001260146
2075 May	183.8685303	0.179502428	0.257805318	0.006009756	50.67352676	0.049015168	53.37430573	0.000861811	0.000861811	4.69975E-06	0.006926431	0.002066087	0.143881544	0.02386231	7.93213E-06	17.95109558	3.307E-05	0.000963926	0.000239219	0.001263802
2075 Jun	184.2880707	0.179057002	0.257138431	0.005993946	50.56731415	0.048945773	53.6193924	0.000859933	0.000859933	4.69235E-06	0.00694497	0.002074905	0.144582629	0.023933508	7.94051E-06	17.99826241	3.32082E-05	0.000968363	0.000239868	0.001265357
2075 Jul	184.6661072	0.178988144	0.25702703	0.005991305	50.56336594	0.048964038	53.79048538	0.000859783	0.000859783	4.69294E-06	0.006960697	0.002081238	0.145063296	0.023990687	7.95196E-06	18.03796005	3.33079E-05	0.000971474	0.000240405	0.00126728
2075 Aug	185.0158844	0.179046154	0.257104665	0.005993073	50.58929062	0.049002722	53.93258667	0.000860147	0.000860147	4.69585E-06	0.006974492	0.002086489	0.145459116	0.024040613	7.96382E-06	18.07329369	3.33903E-05	0.000974037	0.000240877	0.001269233
2075 Sep	185.2383118	0.179048225	0.257101059	0.005992933	50.59659195	0.049019877	54.02845764	0.000860189	0.000860189	4.69681E-06	0.006983232	0.002089988	0.145727247	0.024072789	7.97084E-06	18.09580421	3.34448E-05	0.000975762	0.000241178	0.001270408
2075 Oct	185.400116	0.178962454	0.25696516	0.005989681	50.575737	0.049008947	54.11221695	0.000859801	0.000859801	4.69555E-06	0.006989914	0.002092971	0.14596495	0.024097975	7.97491E-06	18.11291313	3.34911E-05	0.000977256	0.000241404	0.001271133
2075 Nov	185.5339508	0.178940371	0.256928116	0.005988716	50.56778717	0.049003117	54.17536926	0.000859695	0.000859695	4.69553E-06	0.006995265	0.002095205	0.146143764	0.024117986	7.97886E-06	18.12681961	3.35262E-05	0.00097837	0.000241587	0.001271808
2075 Dec	185.5483093	0.178939879	0.256926954	0.005988678	50.56742096	0.049002871	54.18186951	0.000859692	0.000859692	4.69557E-06	0.006995833	0.002095435	0.146162108	0.024120089	7.97931E-06	18.12829018	3.35298E-05	0.000978485	0.000241607	0.001271883
2076 Jan	185.5513153	0.178939834	0.256926775	0.005988672	50.56736374	0.049002834	54.18322372	0.000859692	0.000859692	4.69558E-06	0.006995951	0.002095483	0.146165922	0.02412053	7.9794E-06	18.12860107	3.35306E-05	0.000978509	0.000241611	0.001271899
2076 Feb	185.554245	0.178941384	0.256928951	0.005988723	50.56777954	0.049003243	54.18428421	0.0008597	0.0008597	4.69562E-06	0.006996064	0.002095523	0.146168873	0.02412094	7.97951E-06	18.12890053	3.35312E-05	0.000978528	0.000241615	0.001271917
2076 Mar	185.5597076	0.178946048	0.256935656	0.005988878	50.5690918	0.049004517	54.18597412	0.000859722	0.000859722	4.69575E-06	0.00699627	0.002095587	0.146173447	0.024121663	7.97974E-06	18.1294384	3.35323E-05	0.000978558	0.000241622	0.001271954
2076 Apr	185.5743561	0.17896007	0.256955773	0.005989346	50.57305145	0.049008351	54.19026184	0.000859789	0.000859789	4.69612E-06	0.006996823	0.002095753	0.14618504	0.024123568	7.98037E-06	18.13087082	3.35349E-05	0.000978636	0.000241641	0.001272054
2076 May	185.7120361	0.178977653	0.256970614	0.005989674	50.57961273	0.049017753	54.24597168	0.000859934	0.000859934	4.69727E-06	0.007002433	0.002097912	0.146339789	0.024146147	7.98498E-06	18.14714432	3.3568E-05	0.000979659	0.000241879	0.001272868
2076 Jun	185.950592	0.178432733	0.256121278	0.005969914	50.45598984	0.048936464	54.41465378	0.000857775	0.000857775	4.68783E-06	0.00701435	0.002104599	0.146820843	0.024206132	7.98646E-06	18.1872921	3.36653E-05	0.000982885	0.000242543	0.001273575
2076 Jul	186.1888733	0.17847839	0.256176174	0.00597129	50.48427963	0.048980206	54.50621796	0.000858121	0.000858121	4.69024E-06	0.007023923	0.002108174	0.147072658	0.024241878	7.99465E-06	18.21279335	3.37205E-05	0.00098459	0.000242902	0.001274954
2076 Aug	186.5391388	0.178615019	0.256361365	0.005975629	50.53006363	0.049034327	54.63560486	0.000858884	0.000858884	4.69504E-06	0.007037707	0.002113117	0.147429526	0.024292955	8.00749E-06	18.24979019	3.37973E-05	0.000986947	0.000243412	0.001277087
2076 Sep	186.7987213	0.178599894	0.256325006	0.005974735	50.53166962	0.049045913	54.74928284	0.000858887	0.000858887	4.69595E-06	0.007048094	0.002117336	0.147747666	0.024333177	8.01555E-06	18.27812958	3.38624E-05	0.000989004	0.000243806	0.001278484
2076 Oct	186.9979858	0.178396687	0.256004095	0.005967177	50.48086929	0.049012326	54.86532974	0.000857987	0.000857987	4.69239E-06	0.007056613	0.00212152	0.148078308	0.024368264	8.01942E-06	18.30169106	3.39257E-05	0.000991094	0.000244135	0.001279274
2076 Nov	187.0769348	0.178357273	0.255939096	0.005965626	50.47009277	0.049005177	54.90587234	0.000857814	0.000857814	4.69185E-06	0.007059883	0.002122978	0.14819327	0.024381159	8.02145E-06	18.31057167	3.39481E-05	0.000991817	0.000244256	0.001279647
2076 Dec	187.0861969	0.178358197	0.25593996	0.005965642	50.47022247	0.049005359	54.90983963	0.000857819	0.000857819	4.69191E-06	0.007060249	0.002123121	0.148204416	0.024382539	8.02175E-06	18.31155014	3.39503E-05	0.000991888	0.000244269	0.001279699
2077 Jan	187.088913	0.178357959	0.255939424	0.005965629	50.47011185	0.049005274	54.91108322	0.000857818	0.000857818	4.69191E-06	0.007060357	0.002123166	0.148207918	0.024382958	8.02183E-06	18.31184769	3.3951E-05	0.00099191	0.000244273	0.001279713
2077 Feb	187.0908661	0.178358272	0.255939782	0.005965636	50.47017288	0.049005345	54.91189957	0.000857819	0.000857819	4.69193E-06	0.007060434	0.002123195	0.148210213	0.024383251	8.0219E-06	18.31205559	3.39515E-05	0.000991924	0.000244276	0.001279725
2077 Mar	187.0933685	0.178359881	0.255942047	0.005965689	50.4706192	0.04900578	54.91275787	0.000857827	0.000857827	4.69197E-06	0.00706053	0.002123228	0.148212552	0.024383597	8.02199E-06	18.31230927	3.3952E-05	0.000991939	0.00024428	0.001279741
2077 Apr	187.1111908	0.178376839	0.255966425	0.005966256	50.47541809	0.049010441	54.91799164	0.000857909	0.000857909	4.69242E-06	0.007061202	0.00212343	0.148226678	0.024385922	8.02276E-06	18.3140564	3.39552E-05	0.000992034	0.000244303	0.001279862
2077 May	187.2966156	0.178351492	0.25591439	0.005964985	50.46969223	0.049009215	55.00130081	0.000857845	0.000857845	4.69276E-06	0.007068686	0.002126552	0.148460209	0.024416724	8.02831E-06	18.3358593	3.40029E-05	0.000993546	0.000244619	0.001280869
2077 Jun	187.6769714	0.177757278	0.25497967	0.005943187	50.32996368	0.048912715	55.23991394	0.000855457	0.000855457	4.68275E-06	0.007086057	0.002135737	0.149138674	0.024500424	8.03358E-06	18.3925724	3.41381E-05	0.000998009	0.000245522	0.001282296
2077 Jul	188.043045	0.177920476	0.255202144	0.005948409	50.38221359	0.048971783	55.37213135	0.000856361	0.000856361	4.68827E-06	0.007100597	0.002140813	0.149502814	0.024553716	8.0473E-06	18.43136597	3.42178E-05	0.001000421	0.000246058	0.001284567
2077 Aug	188.4127045	0.178067982	0.255403906	0.005953119	50.4315834	0.04902928	55.50893021	0.00085714	0.00085714	4.69321E-06	0.007114864	0.002145977	0.149879977	0.024606667	8.06075E-06	18.46963692	3.42981E-05	0.001002901	0.000246584	0.001286797
2077 Sep	188.7534485	0.177740335	0.254890382	0.005941125	50.35531235	0.048983939	55.70226669	0.000855745	0.000855745	4.68779E-06	0.007129087	0.002152986	0.150429398	0.02466611	8.06771E-06	18.50970268	3.44032E-05	0.001006397	0.000247145	0.001288182
2077 Oct	189.0017242	0.17762062	0.25469023	0.005936397	50.32300186	0.048963632	55.8289299	0.000855232	0.000855232	4.68625E-06	0.007139362	0.002157545	0.150788307	0.024706567	8.07418E-06	18.53764153	3.4473E-05	0.001008657	0.000247525	0.001289371
2077 Nov	189.0821228	0.177613109	0.254674494	0.005935993	50.31987	0.048961569	55.86573029	0.000855202	0.000855202	4.6864E-06	0.007142557	0.002158864	0.150892094	0.024718877	8.07663E-06	18.54629898	3.44935E-05	0.001009309	0.000247642	0.001289797
2077 Dec	189.0912323	0.177613974	0.254675299	0.005936009	50.31999969	0.048961759	55.86965561	0.000855207	0.000855207	4.68645E-06	0.007142913	0.002159005	0.150903121	0.024720218	8.07693E-06	18.54725075	3.44957E-05	0.001009378	0.000247654	0.001289847
2078 Jan	189.0935974	0.177614465	0.254675895	0.005936022	50.32011032	0.048961882	55.87062073	0.000855209	0.000855209	4.68647E-06	0.007143004	0.00215904	0.150905818	0.024720564	8.07701E-06	18.5474968	3.44962E-05	0.001009396	0.000247658	0.001289861
2078 Feb	189.0946503	0.177615121	0.254676819	0.005936043	50.32029343	0.048962057	55.87098694	0.000855212	0.000855212	4.68649E-06	0.007143045	0.002159054	0.150906831	0.024720713	8.07705E-06	18.54760742	3.44965E-05	0.001009402	0.000247659	0.001289868
2078 Mar	189.0962372	0.177616403	0.254678637	0.005936085	50.32065582	0.048962411	55.87148666	0.000855219	0.000855219	4.68653E-06	0.007143105	0.002159073	0.150908172	0.024720928	8.07711E-06	18.54776573	3.44968E-05	0.001009411	0.000247661	0.001289878
2078 Apr	189.1291962	0.177647352	0.254723012	0.005937119	50.329422	0.048970941	55.88122559	0.000855368	0.000855368	4.68734E-06	0.00714435	0.00215945	0.150934488	0.024725238	8.07852E-06	18.55099869	3.45028E-05	0.001009587	0.000247705	0.001290103
2078 May	189.8223267	0.177383915	0.254288077	0.005926633	50.25337982	0.048908405	56.22257233	0.000854248	0.000854248	4.68452E-06	0.00717195	0.002171826	0.151899204	0.024841318	8.09713E-06	18.63183594	3.46919E-05	0.001015695	0.000248868	0.001293557
2078 Jun	190.1023102	0.176888525	0.253510684	0.005908599	50.14436722	0.048837345	56.4030304	0.000852221	0.000852221	4.67582E-06	0.007184193	0.002178813	0.152410105	0.02490552	8.10006E-06	18.67505836	3.47925E-05	0.001019099	0.000249582	0.001294532
2078 Jul	190.4664307	0.177081108	0.253776938	0.005914847	50.20598984	0.048905075	56.52997971	0.000853229	0.000853229	4.68182E-06	0.007198242	0.002183696	0.152757779	0.024957728	8.11391E-06	18.71319199	3.48685E-05	0.001021413	0.000250112	0.001296826
2078 Aug	190.8461304	0.177101731	0.25378719	0.005915124	50.22424316	0.04893798	56.68780136	0.000853466	0.000853466	4.68422E-06	0.007213038	0.002189647	0.153196171	0.025016669	8.12621E-06	18.7550087	3.4959E-05	0.001024285	0.000250706	0.001298966
2078 Sep	191.225769	0.177042082	0.253678352	0.005912527	50.21321487	0.048938803	56.86032867	0.00085329	0.00085329	4.68471E-06	0.007227953	0.002195984	0.153680325	0.025076969	8.13754E-06	18.79735565	3.50555E-05	0.001027388	0.000251301	0.001300973
2078 Oct	191.5031128	0.176906973	0.253461838	0.005907396	50.17945099	0.048916567	57.00111008	0.000852695	0.000852695	4.68287E-06	0.007238875	0.002201027	0.154078364	0.025122102	8.14461E-06	18.82835388	3.51321E-05	0.0010299	0.000251736	0.001302283
2078 Nov	191.6306152	0.176872134	0.253403872	0.00590599	50.16915131	0.04890871	57.06258774	0.000852539	0.000852539	4.68259E-06	0.00724385	0.002203215	0.154252037	0.025142133	8.1482E-06	18.84226418	3.51658E-05	0.001030989	0.000251928	0.001302923
2078 Dec	191.642807	0.176871464	0.253402442	0.005905952	50.16882706	0.048908435	57.0681076	0.000852535	0.000852535	4.68262E-06	0.007244314	0.00220341	0.154267579	0.025143959	8.14857E-06	18.84354401	3.51688E-05	0.001031086	0.000251946	0.001302987
2079 Jan	191.6490631	0.176870257	0.253400475	0.005905902	50.16841125	0.048908047	57.07108307	0.000852529	0.000852529	4.68262E-06	0.007244552	0.002203515	0.154275969	0.025144914	8.14875E-06	18.84420967	3.51704E-05	0.001031138	0.000251955	0.001303019
2079 Feb	191.650589	0.176870018	0.253400058	0.005905892	50.16832352	0.048907969	57.07178497	0.000852528	0.000852528	4.68262E-06	0.00724461	0.00220354	0.154277965	0.025145149	8.14879E-06	18.8443737	3.51708E-05	0.001031151	0.000251957	0.001303027
2079 Mar	191.6558838	0.176872686	0.253403783	0.005905977	50.16905594	0.048908684	57.07372284	0.000852541	0.000852541	4.68269E-06	0.007244811	0.002203611	0.154283315	0.02514589	8.14899E-06	18.84491158	3.5172E-05	0.001031185	0.000251964	0.001303059
2079 Apr	191.6750793	0.176890194	0.253428906	0.005906562	50.17402267	0.048913531	57.07946777	0.000852625	0.000852625	4.68316E-06	0.007245536	0.002203833	0.154298857	0.025148412	8.14981E-06	18.84679985	3.51755E-05	0.001031289	0.00025199	0.00130319
2079 May	191.7798157	0.176952571	0.2535163	0.005908591	50.19185257	0.048931371	57.11573792	0.000852932	0.000852932	4.68497E-06	0.007249523	0.002205201	0.154398426	0.025163081	8.15384E-06	18.85755157	3.5197E-05	0.001031942	0.000252137	0.001303854
2079 Jun	192.1148834	0.1763203	0.25255093	0.005886374	50.04468918	0.048830431	57.34115219	0.00085051	0.00085051	4.67469E-06	0.007265591	0.002213663	0.15504393	0.025234366	8.15812E-06	18.9047966	3.53247E-05	0.001036122	0.000252858	0.001304943
2079 Jul	192.418808	0.176215529	0.252382368	0.005882651	50.0338707	0.048843287	57.4819603	0.000850311	0.000850311	4.67479E-06	0.007278666	0.002219004	0.155439004	0.025283452	8.16718E-06	18.93892479	3.54077E-05	0.001038716	0.000253334	0.001306505
2079 Aug	192.7593231	0.176329553	0.252538234	0.005886365	50.07398605	0.048892863	57.61070251	0.000850994	0.000850994	4.67919E-06	0.00729213	0.002223866	0.155795127	0.025332404	8.1796E-06	18.97417641	3.54837E-05	0.001041049	0.000253812	0.001308551
2079 Sep	193.0196991	0.176141068	0.252241701	0.005879585	50.03436279	0.048876453	57.74877167	0.000850287	0.000850287	4.67675E-06	0.007303168	0.00222889	0.156186208	0.025537523	8.186E-06	19.00325012	3.55604E-05	0.001043543	0.000254206	0.001309717
2079 Oct	193.1962433	0.175990045	0.252000988	0.005874038	49.99714661	0.048853893	57.84737778	0.000849677	0.000849677	4.6745E-06	0.007310804	0.002232427	0.156466842	0.025404854	8.19004E-06	19.02328491	3.56146E-05	0.001045309	0.000254474	0.001310481
2079 Nov	193.3215637	0.175912023	0.251873702	0.005871084	49.97529984	0.048838545	57.9141922	0.00084936	0.00084936	4.67346E-06	0.007316143	0.002234805	0.156656995	0.025425322	8.19323E-06	19.03731537	3.56513E-05	0.001046494	0.00025466	0.001311066
2079 Dec	193.378891	0.175869048	0.251802862	0.005869444	49.96274567	0.048829358	57.94601822	0.000849184	0.000849184	4.67284E-06	0.007318669	0.002235936	0.156747863	0.025434902	8.19462E-06	19.04387093	3.56687E-05	0.001047057	0.000254745	0.001311327
2080 Jan	193.3823242	0.175868168	0.251801312	0.005869408	49.96243668	0.048829112	57.94767761	0.000849181	0.000849181	4.67284E-06	0.007318808	0.002235994	0.156752557	0.025435435	8.19472E-06	19.04424286	3.56696E-05	0.001047086	0.00025475	0.001311345
2080 Feb	193.3834991	0.175868541	0.251801729	0.005869418	49.96252823	0.048829209	57.94813919	0.000849182	0.000849182	4.67285E-06	0.007318854	0.002236012	0.156753823	0.025435613	8.19476E-06	19.04437065	3.56699E-05	0.001047094	0.000254752	0.001311352
2080 Mar	193.3840942	0.175868973	0.251802355	0.005869433	49.96265411	0.048829328	57.94832993	0.000849185	0.000849185	4.67287E-06	0.007318878	0.002236019	0.156754345	0.025435701	8.19479E-06	19.04443741	3.567E-05	0.001047098	0.000254753	0.001311356
2080 Apr	193.3973999	0.175881043	0.251819611	0.005869835	49.96608353	0.048832681	57.9523201	0.000849243	0.000849243	4.67319E-06	0.007319381	0.002236173	0.156765148	0.025437452	8.19535E-06	19.04574776	3.56724E-05	0.00104717	0.000254771	0.001311446
2080 May	193.4837799	0.175956264	0.251927018	0.00587234	49.98765945	0.048854001	57.9786377	0.000849608	0.000849608	4.67521E-06	0.007322656	0.002237188	0.15683642	0.025448903	8.19897E-06	19.05429649	3.56886E-05	0.001047646	0.000254885	0.001312028
2080 Jun	193.6812897	0.175660864	0.251475662	0.005862188	49.92332458	0.048821256	58.10124588	0.000848637	0.000848637	4.67134E-06	0.00733296	0.002241769	0.157188073	0.025485041	8.20305E-06	19.07827377	3.5761E-05	0.00104991	0.000255203	0.001312769
2080 Jul	193.9759216	0.175516874	0.251248032	0.005857218	49.9036293	0.048831549	58.24378967	0.000848328	0.000848328	4.6709E-06	0.007346267	0.002247143	0.157589868	0.025531901	8.21173E-06	19.11053085	3.58452E-05	0.001052529	0.000255631	0.001314235
2080 Aug	194.2936554	0.175520763	0.251240849	0.005857231	49.91687393	0.04886267	58.37807083	0.000848564	0.000848564	4.67312E-06	0.007359364	0.002252164	0.157964855	0.025578879	8.22242E-06	19.14367676	3.59233E-05	0.001054961	0.00025607	0.001316101

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2080 Sep	194.5751038	0.175348267	0.250970036	0.005851098	49.87960434	0.048848413	58.52362823	0.000847986	0.000847986	4.67139E-06	0.007371439	0.00225745	0.158377782	0.025623873	8.22996E-06	19.1744442	3.60043E-05	0.001057578	0.000256472	0.00131733
2080 Oct	194.7953339	0.17517294	0.250691175	0.005844719	49.83517456	0.048821535	58.64525986	0.000847318	0.000847318	4.66904E-06	0.007381095	0.002261799	0.158724487	0.025659993	8.23536E-06	19.19895172	3.60712E-05	0.001059745	0.000256789	0.001318312
2080 Nov	194.9382629	0.175070584	0.25052461	0.005840895	49.80607224	0.048801236	58.723526	0.000846926	0.000846926	4.66773E-06	0.007387415	0.002264585	0.15894793	0.025683491	8.239E-06	19.21504021	3.61142E-05	0.001061131	0.000256995	0.001318974
2080 Dec	194.9525452	0.175065413	0.25051555	0.005840688	49.80438614	0.048800081	58.73064804	0.000846909	0.000846909	4.6677E-06	0.007388031	0.00226484	0.15896818	0.025685741	8.23942E-06	19.21660805	3.61181E-05	0.001061257	0.000257015	0.001319047
2081 Jan	194.9541016	0.175065801	0.250515997	0.005840698	49.80447769	0.048800189	58.73127365	0.000846911	0.000846911	4.66771E-06	0.007388094	0.002264863	0.158969924	0.025685968	8.23947E-06	19.21677399	3.61185E-05	0.001061268	0.000257018	0.001319056
2081 Feb	194.9548187	0.175066069	0.250516355	0.005840706	49.80455017	0.048800267	58.73154449	0.000846913	0.000846913	4.66772E-06	0.007388122	0.002264873	0.158970684	0.025686078	8.2395E-06	19.2168541	3.61187E-05	0.001061273	0.000257019	0.001319061
2081 Mar	194.9566193	0.175067648	0.25051856	0.005840758	49.80499649	0.048800703	58.73209381	0.00084692	0.00084692	4.66777E-06	0.00738819	0.002264894	0.158972144	0.025686318	8.23957E-06	19.21703529	3.6119E-05	0.001061283	0.000257021	0.001319073
2081 Apr	194.9777069	0.175085843	0.250544548	0.005841364	49.81018829	0.048805818	58.73855209	0.000847009	0.000847009	4.66826E-06	0.00738899	0.002265143	0.158989668	0.025689116	8.24046E-06	19.21912193	3.61229E-05	0.001061399	0.000257049	0.001319215
2081 May	195.1396179	0.17502439	0.250428736	0.005838795	49.7968483	0.048800822	58.81362152	0.000846914	0.000846914	4.66837E-06	0.007396225	0.002268138	0.159199834	0.025720183	8.24525E-06	19.24136925	3.61676E-05	0.001062802	0.000257386	0.001320142
2081 Jun	195.2865295	0.174684867	0.249888435	0.005826561	49.725914	0.048762526	58.91495514	0.000845696	0.000845696	4.66308E-06	0.007403787	0.002272256	0.159486815	0.025757995	8.24652E-06	19.26694489	3.62263E-05	0.001064761	0.000257806	0.001320655
2081 Jul	195.626297	0.174914986	0.250211358	0.005834155	49.79679489	0.048838023	59.02642441	0.000846871	0.000846871	4.66978E-06	0.00741691	0.002276565	0.159790501	0.025804922	8.26008E-06	19.30154991	3.62941E-05	0.001066792	0.000258276	0.001322863
2081 Aug	195.9535522	0.175128981	0.250511527	0.005841212	49.8634491	0.048909742	59.13502502	0.000847956	0.000847956	4.67601E-06	0.007429456	0.002280741	0.160086587	0.02585002	8.27301E-06	19.33472824	3.63595E-05	0.001068768	0.000258727	0.00132497
2081 Sep	196.1853638	0.175086826	0.250431508	0.005839471	49.8613739	0.048921481	59.23896027	0.000847886	0.000847886	4.67647E-06	0.007438788	0.002284624	0.160376996	0.025886798	8.28004E-06	19.36058235	3.64184E-05	0.001070659	0.000259087	0.001326208
2081 Oct	196.342392	0.175020695	0.250320137	0.005836937	49.84716415	0.048916165	59.31600571	0.00084765	0.00084765	4.67591E-06	0.007445208	0.002287436	0.160594061	0.025912367	8.28434E-06	19.37831116	3.64612E-05	0.001072045	0.000259332	0.001326992
2081 Nov	196.495285	0.17490378	0.250131905	0.005832596	49.81585693	0.048893355	59.39980316	0.000847178	0.000847178	4.67423E-06	0.007451642	0.002290434	0.16083239	0.025938515	8.28798E-06	19.39619255	3.65069E-05	0.001073539	0.000259579	0.001327687
2081 Dec	196.5349274	0.174888834	0.250106692	0.00583201	49.81125641	0.048889723	59.41952515	0.000847121	0.000847121	4.67411E-06	0.007453262	0.002291137	0.16088827	0.025944894	8.28909E-06	19.40063667	3.65177E-05	0.001073887	0.000259639	0.001327888
2082 Jan	196.5419159	0.174887106	0.250103712	0.005831941	49.81067657	0.048889231	59.42287445	0.000847115	0.000847115	4.6741E-06	0.007453539	0.002291256	0.160897747	0.025945989	8.2893E-06	19.40140152	3.65196E-05	0.001073946	0.00025965	0.001327924
2082 Feb	196.5439453	0.174887568	0.250104249	0.005831954	49.81079865	0.048889358	59.4236908	0.000847117	0.000847117	4.67412E-06	0.007453618	0.002291286	0.160900027	0.025946297	8.28937E-06	19.40162086	3.652E-05	0.001073961	0.000259653	0.001327936
2082 Mar	196.5470123	0.174890265	0.250108093	0.005832043	49.81156158	0.048890106	59.4246254	0.00084713	0.00084713	4.67419E-06	0.007453734	0.002291322	0.160902545	0.025946707	8.28949E-06	19.40192795	3.65206E-05	0.001073978	0.000259657	0.001327957
2082 Apr	196.562561	0.174904093	0.250127852	0.005832504	49.81550217	0.048893973	59.42932129	0.000847197	0.000847197	4.67456E-06	0.007454324	0.002291504	0.160915285	0.025948763	8.29015E-06	19.40346527	3.65235E-05	0.001074063	0.000259677	0.001328062
2082 May	196.7872925	0.174928725	0.250156522	0.005833134	49.821064	0.048900407	59.52502441	0.000847331	0.000847331	4.676E-06	0.007462915	0.002294919	0.161183447	0.02598146	8.29755E-06	19.42662239	3.6577E-05	0.001075752	0.00025999	0.001329311
2082 Jun	197.594696	0.17418848	0.24903883	0.00580747	49.6335144	0.048761215	59.98217392	0.000844517	0.000844517	4.66568E-06	0.007497683	0.002311091	0.162489742	0.026115788	8.31638E-06	19.51687241	3.68305E-05	0.001083905	0.000261215	0.001332714
2082 Jul	197.8626556	0.173914418	0.248626113	0.005798303	49.58273697	0.048745755	60.13009262	0.0008437	0.0008437	4.66276E-06	0.007510425	0.00231661	0.162910327	0.026161009	8.32302E-06	19.54718018	3.69177E-05	0.001086633	0.000261622	0.001333855
2082 Aug	198.151535	0.174035236	0.248794436	0.005802371	49.62657547	0.048800025	60.23491287	0.000844418	0.000844418	4.66713E-06	0.007521905	0.002320598	0.163199008	0.026201241	8.33394E-06	19.57628441	3.69804E-05	0.001088541	0.000262009	0.00133562
2082 Sep	198.3180084	0.174028665	0.248777017	0.005802109	49.63392639	0.048819214	60.3057518	0.000844514	0.000844514	4.66816E-06	0.007528804	0.002323247	0.163396582	0.026225634	8.33945E-06	19.5934391	3.70218E-05	0.001089833	0.000262234	0.00133653
2082 Oct	198.4421387	0.173712149	0.248290136	0.005791069	49.55715942	0.04876918	60.40367126	0.000843279	0.000843279	4.66279E-06	0.007535398	0.002326723	0.163680047	0.026249979	8.34047E-06	19.60881615	3.70751E-05	0.001091598	0.000262426	0.001336807
2082 Nov	198.5220184	0.173684582	0.248244122	0.005790035	49.54898453	0.048763752	60.44279099	0.000843207	0.000843207	4.66275E-06	0.007538853	0.002328128	0.163791135	0.026262501	8.34289E-06	19.61755371	3.70972E-05	0.001092292	0.00026254	0.001337221
2082 Dec	198.5448303	0.173679575	0.248235673	0.005789845	49.54731369	0.048762549	60.45362854	0.000843196	0.000843196	4.66278E-06	0.007539807	0.002328513	0.163821861	0.026265947	8.3436E-06	19.61996078	3.71033E-05	0.001092483	0.000262571	0.00133734
2083 Jan	198.5476837	0.173679426	0.24823527	0.005789837	49.54724503	0.048762523	60.45491028	0.000843196	0.000843196	4.66279E-06	0.007539925	0.002328559	0.163825497	0.026266374	8.34369E-06	19.62026405	3.71041E-05	0.001092506	0.000262575	0.001337356
2083 Feb	198.5496979	0.173681095	0.248237655	0.005789892	49.54771805	0.048762988	60.4555397	0.000843204	0.000843204	4.66284E-06	0.007540002	0.002328583	0.163827196	0.026266649	8.34378E-06	19.62046623	3.71045E-05	0.001092517	0.000262578	0.00133737
2083 Mar	198.5540161	0.17368485	0.248243019	0.005790018	49.54878998	0.048764043	60.45684433	0.000843223	0.000843223	4.66294E-06	0.007540166	0.002328634	0.163830727	0.026267219	8.34396E-06	19.62089539	3.71053E-05	0.001092541	0.000262583	0.001337399
2083 Apr	198.5761261	0.173704207	0.248270661	0.005790662	49.55430984	0.048769474	60.46358109	0.000843317	0.000843317	4.66346E-06	0.007541006	0.002328893	0.163848981	0.026270149	8.34489E-06	19.62308121	3.71094E-05	0.001092662	0.000262613	0.001337548
2083 May	199.3313141	0.173484489	0.247917771	0.005782493	49.48913956	0.048716079	60.82829285	0.000842561	0.000842561	4.66266E-06	0.00757121	0.002341818	0.164881259	0.026387706	8.36698E-06	19.70478058	3.73115E-05	0.001099107	0.000263727	0.001341396
2083 Jun	199.6941223	0.172849	0.246935844	0.005760076	49.34263992	0.04861214	61.06423187	0.000840136	0.000840136	4.65244E-06	0.007587533	0.002350684	0.165553123	0.026466189	8.37192E-06	19.75736618	3.7443E-05	0.001103477	0.000264558	0.001342705
2083 Jul	200.0111847	0.172862098	0.246939048	0.005760359	49.36341095	0.048650451	61.19393158	0.000840411	0.000840411	4.6548E-06	0.007600237	0.00235564	0.165912345	0.026515024	8.38246E-06	19.79199219	3.75192E-05	0.001105862	0.000265047	0.001344505
2083 Aug	200.4151154	0.172803178	0.246833101	0.005758137	49.36161423	0.048668049	61.37252808	0.000840437	0.000840437	4.65633E-06	0.007616539	0.002362343	0.166411534	0.026579402	8.39522E-06	19.83726501	3.76212E-05	0.001109102	0.000265684	0.001346733
2083 Sep	200.7339478	0.172615334	0.246533886	0.005751373	49.32103729	0.048648674	61.53572845	0.000839773	0.000839773	4.65431E-06	0.007629609	0.002368276	0.166872486	0.026632085	8.40357E-06	19.87340355	3.77111E-05	0.001112035	0.000266186	0.001348264
2083 Oct	201.008316	0.172296882	0.246029347	0.005739858	49.23942184	0.048591737	61.70098877	0.000838493	0.000838493	4.64927E-06	0.007641579	0.002374163	0.167344287	0.026680825	8.40908E-06	19.90609741	3.77999E-05	0.001114981	0.00026663	0.001349388
2083 Nov	201.160675	0.172181129	0.24584192	0.005735573	49.20762634	0.04856858	61.78505325	0.000838028	0.000838028	4.64764E-06	0.007648021	0.002377136	0.167583644	0.026706237	8.41277E-06	19.92342186	3.78454E-05	0.001116467	0.000266861	0.001350085
2083 Dec	201.1911621	0.172173291	0.245828524	0.005735264	49.20502853	0.048566461	61.79977417	0.000837999	0.000837999	4.64761E-06	0.007649235	0.002377654	0.167625308	0.026710922	8.41366E-06	19.92668343	3.78534E-05	0.001116726	0.000266905	0.001350243
2084 Jan	201.1927795	0.172173772	0.245828211	0.005735256	49.20497131	0.048566427	61.80051804	0.000837999	0.000837999	4.64761E-06	0.0076493	0.002377681	0.167627394	0.026711171	8.41372E-06	19.92686081	3.78538E-05	0.001116739	0.000266907	0.001350251
2084 Feb	201.1936646	0.172173768	0.245829061	0.005735276	49.20513916	0.048566595	61.80080795	0.000838002	0.000838002	4.64763E-06	0.007649333	0.002377692	0.167628184	0.026711298	8.41375E-06	19.92695427	3.7854E-05	0.001116744	0.000266908	0.001350257
2084 Mar	201.1981354	0.172177568	0.24583447	0.005735402	49.20622635	0.048567664	61.80217743	0.00083802	0.00083802	4.64773E-06	0.007649504	0.002377745	0.167631909	0.026711896	8.41394E-06	19.92739868	3.78549E-05	0.001116769	0.000266914	0.001350287
2084 Apr	201.2421722	0.172203138	0.245870352	0.005736239	49.21342087	0.048574887	61.81763458	0.000838148	0.000838148	4.64849E-06	0.007651192	0.002378321	0.167674437	0.026717963	8.41564E-06	19.93183899	3.7864E-05	0.001117045	0.000266974	0.001350565
2084 May	201.6342621	0.172078863	0.245652184	0.00573129	49.18067169	0.048552096	62.00384903	0.000837796	0.000837796	4.64823E-06	0.00766723	0.00238521	0.168198556	0.026784772	8.42703E-06	19.97888374	3.7969E-05	0.001120399	0.000267654	0.001352665
2084 Jun	201.7767792	0.171530604	0.244798407	0.005711888	49.06147766	0.04847445	62.12962723	0.000835673	0.000835673	4.63861E-06	0.007674542	0.002390209	0.168556675	0.026828878	8.42565E-06	20.00774574	3.80387E-05	0.001122827	0.000268163	0.001352897
2084 Jul	202.0959167	0.171620652	0.244912744	0.005714716	49.099617	0.048525032	62.25018692	0.00083626	0.00083626	4.64246E-06	0.007687128	0.002394848	0.16888845	0.026876608	8.43703E-06	20.04211807	3.81103E-05	0.00112504	0.000268646	0.001354818
2084 Aug	202.4186859	0.171692252	0.245001718	0.005716927	49.13124847	0.048568662	62.376194	0.000836737	0.000836737	4.6458E-06	0.007699665	0.002399613	0.169236571	0.026924552	8.44825E-06	20.07645416	3.81834E-05	0.001127333	0.000269123	0.001356716
2084 Sep	202.7144318	0.171536759	0.244751543	0.005711283	49.09896088	0.048554294	62.5243721	0.000836195	0.000836195	4.64428E-06	0.007711573	0.002405019	0.169654235	0.026973579	8.45612E-06	20.11029243	3.82649E-05	0.001130003	0.000269599	0.001358161
2084 Oct	203.0291443	0.171289042	0.244356692	0.005702258	49.03501892	0.048508462	62.69731522	0.000835205	0.000835205	4.64074E-06	0.007724567	0.002411171	0.170145661	0.027026914	8.46355E-06	20.14662743	3.83584E-05	0.00113308	0.000270101	0.001359583
2084 Nov	203.1562042	0.171204999	0.244220421	0.005699142	49.0120697	0.048491448	62.76538849	0.000834871	0.000834871	4.63962E-06	0.00772982	0.002413584	0.170339078	0.027047995	8.46674E-06	20.16107941	3.83953E-05	0.001134285	0.000270297	0.001360179
2084 Dec	203.1745453	0.17120254	0.244215801	0.005699036	49.01119232	0.048490774	62.77388382	0.000834863	0.000834863	4.63965E-06	0.007730538	0.002413884	0.170363009	0.027050775	8.4673E-06	20.16302681	3.84E-05	0.001134434	0.000270323	0.001360276
2085 Jan	203.1829834	0.171200201	0.244211897	0.005698945	49.0104332	0.048490115	62.7779808	0.000834854	0.000834854	4.63964E-06	0.007730868	0.002414027	0.170374602	0.02705208	8.46755E-06	20.16393471	3.84022E-05	0.001134506	0.000270335	0.001360319
2085 Feb	203.1856537	0.171200305	0.244211897	0.005698945	49.01044464	0.048490144	62.77914429	0.000834855	0.000834855	4.63965E-06	0.007730971	0.002414069	0.170377851	0.027052479	8.46763E-06	20.164217	3.84028E-05	0.001134527	0.000270339	0.001360334
2085 Mar	203.1873932	0.171201676	0.244213879	0.005698991	49.01084137	0.048490535	62.77968597	0.000834861	0.000834861	4.63969E-06	0.007731037	0.00241409	0.170379356	0.027052714	8.4677E-06	20.16439247	3.84032E-05	0.001134537	0.000270342	0.001360346
2085 Apr	203.2162323	0.171213418	0.244229943	0.005699366	49.01409149	0.048493858	62.79058838	0.000834921	0.000834921	4.64008E-06	0.007732145	0.00241449	0.17040956	0.027056791	8.46876E-06	20.16734314	3.84095E-05	0.001134731	0.000270381	0.001360521
2085 May	203.5385437	0.171111599	0.24405314	0.005695362	48.989048	0.048477534	62.94333267	0.000834621	0.000834621	4.6398E-06	0.007745138	0.002420123	0.170839071	0.027111247	8.47806E-06	20.205616	3.84952E-05	0.001137482	0.000270936	0.001362231
2085 Jun	203.8249817	0.17086719	0.243657991	0.005686441	48.93943024	0.048451088	63.09465408	0.000833767	0.000833767	4.63673E-06	0.007757117	0.002425888	0.171264321	0.027166212	8.4846E-06	20.24359703	3.85805E-05	0.001140284	0.000271522	0.001363593
2085 Jul	204.236145	0.170999408	0.243832946	0.005690639	48.98603439	0.048507083	63.2507515	0.000834534	0.000834534	4.64176E-06	0.007773024	0.002431768	0.171695217	0.027226431	8.49934E-06	20.2869873	3.86716E-05	0.00114311	0.000272124	0.001366068
2085 Aug	204.6798096	0.170870051	0.243620217	0.005685904	48.96738052	0.048511181	63.45811462	0.000834145	0.000834145	4.64145E-06	0.007790282	0.002439343	0.172276482	0.02729659	8.51215E-06	20.3357029	3.87863E-05	0.001146843	0.000272808	0.001368347
2085 Sep	205.1408081	0.170552999	0.243122891	0.005674563	48.89245987	0.048463721	63.70359802	0.00083288	0.00083288	4.63711E-06	0.007808537	0.002448054	0.172971979	0.02737206	8.52342E-06	20.38706017	3.89177E-05	0.001151211	0.000273514	0.001370443
2085 Oct	205.5271454	0.17028524	0.242699295	0.005664849	48.82260895	0.048412967	63.91274261	0.000831752	0.000831752	4.63318E-06	0.007823932	0.002455361	0.173566073	0.027434397	8.53276E-06	20.42936897	3.90291E-05	0.0011549	0.000274085	0.001372181
2085 Nov	205.769989	0.170136109	0.242462248	0.005659392	48.78115845	0.048380606	64.0424881	0.000831113	0.000831113	4.63105E-06	0.007833568	0.002459863	0.173934832	0.027472937	8.53883E-06	20.45560646	3.90983E-05	0.001157177	0.000274435	0.001373296
2085 Dec	205.7924957	0.170130983	0.242453769	0.005659194	48.77947998	0.048379157	64.05331421	0.000831091	0.000831091	4.63102E-06	0.007834432	0.002460238	0.173965454	0.027476298	8.53949E-06	20.45793533	3.91041E-05	0.001157366	0.000274466	0.00137341
2086 Jan	205.7945862	0.170130685	0.242453203	0.005659181	48.77937317	0.048379071	64.05429077	0.00083109	0.00083109	4.63103E-06	0.007834513	0.002460273	0.173968211	0.027476612	8.53955E-06	20.45815468	3.91046E-05	0.001157383	0.000274469	0.001373421
2086 Feb	205.7954102	0.170130834	0.242453381	0.005659185	48.7794075	0.048379108	64.05462646	0.00083109	0.00083109	4.63103E-06	0.007834543	0.002460285	0.173969135	0.027476734	8.53958E-06	20.45824242	3.91048E-05	0.001157389	0.00027447	0.001373426
2086 Mar	205.7977448	0.170132577	0.242455855	0.005659243	48.77990723	0.048379607	64.05537415	0.000831099	0.000831099	4.63108E-06	0.007834633	0.002460313	0.173971191	0.027477052	8.53968E-06	20.45847893	3.91053E-05	0.001157402	0.000274473	0.001373441
2086 Apr	205.822937	0.170153365	0.242485449	0.005659934	48.78586578	0.048385512	64.06322479	0.0008312	0.0008312	4.63165E-06	0.007835591	0.002460615	0.173992485	0.027480418	8.54072E-06	20.46098328	3.91101E-05	0.001157544	0.000274507	0.001373609
2086 May	206.0697784	0.170164108	0.242489621	0.005660049	48.78896332	0.048390999	64.16973877	0.0008313	0.0008313	4.633E-06	0.007845076	0.002464446	0.174290746	0.027517388	8.54872E-06	20.48715782	3.91696E-05	0.001159433	0.000274867	0.001374982
2086 Jun	206.47052	0.169551343	0.241535947	0.005638385	48.64485931	0.048287693	64.42098236	0.000828985	0.000828985	4.62346E-06	0.007862786	0.002473772	0.175005808	0.027599886	8.55526E-06	20.5427227	3.93084E-05	0.001164042	0.000275721	0.001376542
2086 Jul	206.8978119	0.169566169	0.241536498	0.005638693	48.66743088	0.048330721	64.59806061	0.000829343	0.000829343	4.62661E-06	0.007880052	0.002480448	0.175497994	0.027664915	8.56955E-06	20.58884048	3.94121E-05	0.001167273	0.000276362	0.001378962
2086 Aug	207.3805389	0.169531763	0.241467193	0.005637323	48.67196274	0.048353843	64.80924988	0.000829442	0.000829442	4.62877E-06	0.007899109	0.002488195	0.176088601	0.027738176	8.58499E-06	20.64032745	3.95316E-05	0.001171068	0.000277069	0.001381599
2086 Sep	207.7438354	0.169285953	0.241083622	0.005628674	48.61707306	0.048323911	65.00071716	0.000828539	0.000828539	4.62579E-06	0.007913817	0.002495039	0.176631063	0.027797168	8.59421E-06	20.68054008	3.96352E-05	0.001174489	0.000277613	0.001383271
2086 Oct	208.0701599	0.169145122	0.240859181	0.005623573	48.58047104	0.048298832	65.16461182	0.000828007	0.000828007	4.62446E-06	0.007926757	0.002500803	0.177095175	0.027847892	8.60322E-06	20.71544266	3.97241E-05	0.001177381	0.00027808	0.001384864
2086 Nov	208.1197205	0.16914551	0.240857944	0.00562355	48.58047104	0.04829938	65.18640137	0.00082802	0.00082802	4.6247E-06	0.00792867	0.002501578	0.177156389	0.027855156	8.60483E-06	20.72056198	3.97362E-05	0.001177765	0.000278149	0.001385135
2086 Dec	208.1303101	0.16914472	0.240856469	0.005623517	48.58018875	0.048299182	65.19121552	0.000828018	0.000828018	4.62473E-06	0.007929077	0.002501747	0.177169949	0.027856709	8.60516E-06	20.72164917	3.97388E-05	0.001177849	0.000278163	0.001385191
2087 Jan	208.1311188	0.169144943	0.240856737	0.005623523	48.58024597	0.048299242	65.19154358	0.00082802	0.00082802	4.62474E-06	0.007929108	0.002501758	0.177170843	0.027856829	8.60519E-06	20.721735	3.9739E-05	0.001177855	0.000278165	0.001385196
2087 Feb	208.1327667	0.16914621	0.240858525	0.005623565	48.58060455	0.048299603	65.19207001	0.000828026	0.000828026	4.62478E-06	0.007929172	0.002501779	0.177172288	0.027857056	8.60525E-06	20.72190285	3.97393E-05	0.001177864	0.000278167	0.001385207
2087 Mar	208.1383209	0.16915071	0.240864933	0.005623715	48.58190155	0.048300892	65.19380951	0.000828048	0.000828048	4.6249E-06	0.007929383	0.002501845	0.177176997	0.027857799	8.60548E-06	20.72245598	3.97404E-05	0.001177896	0.000278174	0.001385244
2087 Apr	208.1512909	0.16916126	0.240879953	0.005624065	48.58492661	0.048303898	65.19786835	0.000828099	0.000828099	4.62519E-06	0.007929877	0.002502001	0.177188039	0.027859537	8.60602E-06	20.72374916	3.97429E-05	0.001177969	0.000278192	0.00138533
2087 May	208.2458954	0.169129506	0.24082306	0.005622818	48.58028412	0.048304174	65.24121094	0.000828035	0.000828035	4.6252E-06	0.007933753	0.002503677	0.177308887	0.027876485	8.60876E-06	20.73574638	3.97678E-05	0.001178771	0.000278373	0.001385849
2087 Jun	208.4629822	0.168779984	0.240273595	0.00561043	48.50695801	0.048260011	65.37481689	0.000826776	0.000826776	4.61997E-06	0.007943397	0.002508849	0.177686319	0.027924389	8.6121E-06	20.76826477	3.98429E-05	0.001181283	0.000278897	0.001386721
2087 Jul	208.8432159	0.168832153	0.24033156	0.005611982	48.53416824	0.048300937	65.52788544	0.00082723	0.00082723	4.62342E-06	0.00795839	0.002514617	0.178110763	0.027981898	8.62513E-06	20.80930138	3.99317E-05	0.001184063	0.000279469	0.001388934

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2087 Aug	209.1847534	0.1689578	0.240502313	0.005616073	48.57768631	0.048352603	65.65538025	0.000827943	0.000827943	4.62795E-06	0.007971551	0.002519415	0.178462327	0.028030958	8.6376E-06	20.8447094	4.00061E-05	0.001186369	0.000279954	0.001391005
2087 Sep	209.5432739	0.168929189	0.240442976	0.005614829	48.57686615	0.048362818	65.81417847	0.000827949	0.000827949	4.62924E-06	0.007985519	0.002525179	0.178906903	0.028085463	8.64886E-06	20.88300514	4.00948E-05	0.001189206	0.000280481	0.001392949
2087 Oct	209.8678131	0.168765277	0.240184024	0.005608926	48.53462982	0.048331883	65.98001862	0.000827313	0.000827313	4.62741E-06	0.007998326	0.002531026	0.179376483	0.028137233	8.65751E-06	20.91852188	4.01846E-05	0.001192138	0.000280969	0.001394512
2087 Nov	210.0081787	0.168694362	0.24007158	0.005606355	48.5151825	0.048316564	66.05219269	0.000827033	0.000827033	4.6266E-06	0.008003883	0.002533558	0.179581136	0.028159574	8.66125E-06	20.93385506	4.02236E-05	0.00119341	0.000281178	0.001395188
2087 Dec	210.0276642	0.168690577	0.240065306	0.005606211	48.51396942	0.048315518	66.06139374	0.000827019	0.000827019	4.6266E-06	0.008004633	0.002533879	0.179607123	0.028162509	8.66183E-06	20.93589783	4.02286E-05	0.001193571	0.000281205	0.001395289
2088 Jan	210.0304108	0.168690622	0.240065262	0.00560621	48.51396942	0.048315533	66.06259918	0.00082702	0.00082702	4.62662E-06	0.008004738	0.002533922	0.179610506	0.028162919	8.66192E-06	20.93618774	4.02293E-05	0.001193592	0.000281209	0.001395304
2088 Feb	210.0318604	0.168690741	0.240065381	0.005606213	48.51399612	0.048315566	66.06321716	0.00082702	0.00082702	4.62663E-06	0.008004794	0.002533945	0.179612234	0.028163135	8.66197E-06	20.93634033	4.02296E-05	0.001193603	0.000281211	0.001395312
2088 Mar	210.037796	0.168695375	0.240071967	0.005606367	48.51533127	0.048316896	66.06510162	0.000827043	0.000827043	4.62675E-06	0.00800502	0.002534017	0.17961736	0.028163934	8.66221E-06	20.93693542	4.02308E-05	0.001193637	0.000281219	0.001395351
2088 Apr	210.0870819	0.168734908	0.240128204	0.00560768	48.52671432	0.048328247	66.08060455	0.000827237	0.000827237	4.62784E-06	0.008006899	0.002534611	0.179659501	0.028170547	8.66424E-06	20.94185066	4.02402E-05	0.001193917	0.000281285	0.001395679
2088 May	210.2003174	0.16881837	0.240246251	0.005610441	48.55126953	0.048353184	66.11714172	0.000827649	0.000827649	4.63017E-06	0.008011207	0.002536012	0.179758996	0.028185969	8.66882E-06	20.95326233	4.02623E-05	0.001194579	0.00028144	0.001396421
2088 Jun	210.4209595	0.168523759	0.239799589	0.005600515	48.48915863	0.048319262	66.24850464	0.000826704	0.000826704	4.6265E-06	0.008021723	0.002540872	0.180133656	0.028226122	8.67361E-06	20.98007584	4.03382E-05	0.001196991	0.000281815	0.001397312
2088 Jul	210.8329773	0.16859211	0.239883959	0.005602751	48.52090073	0.048366044	66.41323853	0.000827302	0.000827302	4.63076E-06	0.008038514	0.002547049	0.180591702	0.028286546	8.68819E-06	21.02323914	4.04357E-05	0.001199979	0.000282398	0.001399715
2088 Aug	211.2766418	0.168800682	0.240175292	0.005609667	48.58655548	0.048438653	66.57354736	0.000828432	0.000828432	4.63763E-06	0.008055754	0.002553059	0.181033567	0.028348371	8.705E-06	21.06814384	4.05305E-05	0.001202867	0.000283001	0.001402455
2088 Sep	211.6017151	0.168773815	0.240126312	0.005608682	48.58644104	0.04844933	66.71793365	0.000828458	0.000828458	4.6389E-06	0.008068586	0.002558251	0.181438684	0.028396189	8.71536E-06	21.10160065	4.06118E-05	0.001205441	0.000283449	0.001404194
2088 Oct	211.8940887	0.168456674	0.239639178	0.005597611	48.50650024	0.048391163	66.8918457	0.000827173	0.000827173	4.63391E-06	0.008080808	0.002564273	0.181935608	0.028444421	8.72149E-06	21.13358498	4.07047E-05	0.001208512	0.000283872	0.001405354
2088 Nov	212.0368195	0.168374911	0.239509001	0.005594664	48.48408508	0.048374441	66.9668808	0.000826858	0.000826858	4.63295E-06	0.008086663	0.00256689	0.182148933	0.028466824	8.72528E-06	21.14889526	4.07454E-05	0.001209831	0.000284073	0.001406029
2088 Dec	212.0558167	0.168371797	0.239503637	0.005594543	48.48304749	0.048373628	66.9757843	0.000826849	0.000826849	4.63297E-06	0.008087411	0.002567201	0.182174087	0.028469639	8.72586E-06	21.15085793	4.07503E-05	0.001209987	0.000284099	0.001406128
2089 Jan	212.0569763	0.168372035	0.239503935	0.00559455	48.48311234	0.048373703	66.97625732	0.00082685	0.00082685	4.63299E-06	0.008087456	0.002567218	0.182175398	0.028469808	8.7259E-06	21.15098	4.07506E-05	0.001209995	0.000284101	0.001406135
2089 Feb	212.058075	0.168372825	0.239505023	0.005594576	48.48333359	0.048373926	66.97662354	0.000826854	0.000826854	4.63301E-06	0.008087499	0.002567233	0.182176381	0.028469965	8.72595E-06	21.15109634	4.07508E-05	0.001210002	0.000284103	0.001406142
2089 Mar	212.0652618	0.168378487	0.239513069	0.005594764	48.48496628	0.048375554	66.97889709	0.000826882	0.000826882	4.63316E-06	0.008087773	0.00256732	0.182182565	0.028470933	8.72624E-06	21.15181351	4.07522E-05	0.001210043	0.000284112	0.00140619
2089 Apr	212.0966949	0.168403432	0.239548549	0.005595593	48.49215317	0.048382726	66.98881531	0.000827005	0.000827005	4.63385E-06	0.008088971	0.0025677	0.182209551	0.028475152	8.72754E-06	21.15494919	4.07582E-05	0.001210222	0.000284154	0.001406398
2089 May	212.2502594	0.168369323	0.239482477	0.005594184	48.48875427	0.048386641	67.05712891	0.000826975	0.000826975	4.63423E-06	0.008095289	0.00257033	0.182399809	0.028501755	8.7322E-06	21.17383766	4.0798E-05	0.001211482	0.000284435	0.001407258
2089 Jun	212.5724335	0.168076754	0.239008099	0.005583593	48.42782593	0.048352618	67.22865295	0.000826037	0.000826037	4.6309E-06	0.008109301	0.002576923	0.182882503	0.028564999	8.73975E-06	21.21770477	4.08961E-05	0.001214668	0.000285112	0.001408823
2089 Jul	213.0149231	0.168144137	0.239085674	0.005585618	48.45835495	0.048396397	67.40704346	0.000826577	0.000826577	4.63498E-06	0.008126708	0.002583596	0.183377653	0.028631458	8.75498E-06	21.26515198	4.09993E-05	0.001217893	0.000285771	0.001411404
2089 Aug	213.4593658	0.168202221	0.239152208	0.005587357	48.48397064	0.048433688	67.58896637	0.000827052	0.000827052	4.63878E-06	0.008144045	0.002590331	0.183883756	0.028697763	8.77014E-06	21.31235504	4.11033E-05	0.001221162	0.000286421	0.001413973
2089 Sep	213.8867035	0.168066159	0.238932192	0.005582435	48.4574951	0.048421927	67.79387665	0.000826588	0.000826588	4.6381E-06	0.008160678	0.002597634	0.18446064	0.02876379	8.7824E-06	21.35798454	4.12155E-05	0.001224803	0.000287046	0.001416132
2089 Oct	214.2875061	0.167677492	0.238325551	0.005568623	48.35575867	0.048347589	68.02624512	0.000824973	0.000824973	4.63193E-06	0.008176954	0.002605706	0.185122728	0.028830541	8.79104E-06	21.40264511	4.13384E-05	0.001228899	0.00028765	0.001417809
2089 Nov	214.4262695	0.167624712	0.238238692	0.005566653	48.34064865	0.048336152	68.0954895	0.000824767	0.000824767	4.63146E-06	0.008182453	0.002608126	0.185318768	0.028851964	8.79494E-06	21.41742897	4.13759E-05	0.001230114	0.000287847	0.0014185
2089 Dec	214.4719238	0.167612746	0.238218993	0.005566203	48.33683395	0.048332851	68.11759186	0.000824721	0.000824721	4.63142E-06	0.008184227	0.002608894	0.185381308	0.02885887	8.79628E-06	21.42221642	4.13879E-05	0.001230501	0.000287911	0.001418732
2090 Jan	214.4746704	0.167613521	0.238220006	0.005566227	48.33704376	0.048333079	68.11867523	0.000824725	0.000824725	4.63144E-06	0.008184332	0.002608934	0.185384333	0.028859261	8.79637E-06	21.4224987	4.13885E-05	0.00123052	0.000287915	0.001418749
2090 Feb	214.4781952	0.167614356	0.238221079	0.005566252	48.33726883	0.048333321	68.12010956	0.00082473	0.00082473	4.63148E-06	0.008184467	0.002608985	0.185388297	0.02885977	8.7965E-06	21.4228611	4.13893E-05	0.001230545	0.00028792	0.001418769
2090 Mar	214.4841156	0.167618543	0.23822704	0.005566391	48.33847809	0.048334531	68.12205505	0.00082475	0.00082475	4.6316E-06	0.008184694	0.002609059	0.185393631	0.028860575	8.79673E-06	21.4234581	4.13905E-05	0.00123058	0.000287928	0.001418808
2090 Apr	214.5034332	0.167633578	0.238248378	0.00556689	48.34280777	0.048338868	68.12819672	0.000824824	0.000824824	4.63201E-06	0.008185431	0.002609295	0.185410365	0.028863179	8.79753E-06	21.42538834	4.13942E-05	0.001230691	0.000287954	0.001418935
2090 May	215.2285919	0.167460844	0.237974182	0.005560555	48.28979492	0.048291568	68.47634888	0.000824115	0.000824115	4.63131E-06	0.008212957	0.002621343	0.186394408	0.028971393	8.81869E-06	21.50020981	4.15823E-05	0.001236774	0.000288961	0.001422601
2090 Jun	216.1653137	0.166650057	0.236730218	0.005532176	48.0870285	0.048130061	68.99693298	0.000820903	0.000820903	4.61951E-06	0.008250259	0.002639749	0.187873095	0.029132687	8.83995E-06	21.60937119	4.18635E-05	0.001246046	0.000290538	0.001426713
2090 Jul	216.5575867	0.166693091	0.236778066	0.005533523	48.11289215	0.048170097	69.15655518	0.00082133	0.00082133	4.62288E-06	0.008265812	0.00264571	0.188316479	0.029191164	8.85333E-06	21.65094185	4.19565E-05	0.001248941	0.000291113	0.00142896
2090 Aug	217.0653839	0.166386604	0.236305922	0.005522986	48.04809189	0.048136659	69.41688538	0.000820305	0.000820305	4.61984E-06	0.00828623	0.002655079	0.189052492	0.029273635	8.86683E-06	21.70737076	4.20988E-05	0.001253603	0.000291891	0.001431382
2090 Sep	217.3558197	0.166056365	0.235793948	0.005511454	47.97229004	0.0480907	69.58850861	0.000819019	0.000819019	4.6148E-06	0.008298297	0.002661154	0.189541116	0.029323112	8.8728E-06	21.74036407	4.21897E-05	0.001256668	0.000292335	0.001432546
2090 Oct	217.6023102	0.165675014	0.235189274	0.005497787	47.87354279	0.048020899	69.75186157	0.000817465	0.000817465	4.60838E-06	0.008309315	0.002666843	0.190009683	0.029367324	8.87685E-06	21.76952744	4.22752E-05	0.001259555	0.000292711	0.001433433
2090 Nov	217.6966248	0.165549934	0.234989941	0.005493277	47.84101868	0.047998153	69.8117981	0.000816941	0.000816941	4.60625E-06	0.008313391	0.00266891	0.19018127	0.029383393	8.87857E-06	21.78014183	4.23064E-05	0.001260609	0.000292845	0.001433788
2090 Dec	217.7135468	0.165547118	0.234984517	0.005493158	47.84001541	0.04799746	69.81974792	0.000816933	0.000816933	4.60627E-06	0.008314068	0.00266919	0.190203726	0.029385934	8.87909E-06	21.7819252	4.23107E-05	0.001260748	0.000292869	0.001433878
2091 Jan	217.7173767	0.165546507	0.234983325	0.005493131	47.83979416	0.047997311	69.82154083	0.000816931	0.000816931	4.60628E-06	0.008314221	0.002669253	0.190208778	0.029386513	8.8792E-06	21.78233147	4.23117E-05	0.00126078	0.000292874	0.001433898
2091 Feb	217.7185974	0.165546522	0.23498325	0.00549313	47.83979034	0.047997318	69.82208252	0.000816931	0.000816931	4.60629E-06	0.008314271	0.002669272	0.190210298	0.029386699	8.87925E-06	21.78246307	4.2312E-05	0.001260789	0.000292876	0.001433905
2091 Mar	217.7281647	0.165553674	0.234993413	0.005493367	47.84185791	0.047999393	69.82515717	0.000816967	0.000816967	4.60649E-06	0.008314635	0.00266939	0.190218687	0.029387996	8.87963E-06	21.78342438	4.23139E-05	0.001260845	0.000292889	0.001433968
2091 Apr	217.7656097	0.16558215	0.235033825	0.005494311	47.85008621	0.048007652	69.83716583	0.000817107	0.000817107	4.60728E-06	0.008316066	0.002669849	0.19025141	0.029393051	8.88116E-06	21.78717232	4.23212E-05	0.001261062	0.000292939	0.001434215
2091 May	217.9687347	0.165589005	0.235027075	0.005494254	47.85318375	0.04801482	69.9235611	0.000817242	0.000817242	4.60864E-06	0.00832422	0.002673057	0.19049266	0.029425049	8.88789E-06	21.81005669	4.23705E-05	0.001262615	0.000293259	0.00143539
2091 Jun	218.2368011	0.165170267	0.234353021	0.005479143	47.7569313	0.047950573	70.08892059	0.000815786	0.000815786	4.60268E-06	0.008336714	0.002679454	0.190961182	0.029485082	8.89247E-06	21.85128212	4.24638E-05	0.001265701	0.000293909	0.001436554
2091 Jul	218.6471558	0.165357426	0.23460649	0.005485208	47.81682205	0.048017882	70.23662567	0.000816838	0.000816838	4.60906E-06	0.008352852	0.002685086	0.191367462	0.02954429	8.90799E-06	21.89443779	4.25519E-05	0.001268383	0.000294501	0.001439122
2091 Aug	219.0101929	0.165251553	0.234427139	0.005481354	47.80434036	0.048028015	70.40480804	0.000816595	0.000816595	4.60917E-06	0.008367299	0.002691292	0.191838384	0.029601926	8.91874E-06	21.93463898	4.26456E-05	0.001271425	0.000295059	0.001441021
2091 Sep	219.3912506	0.165031493	0.234076262	0.005473522	47.75346375	0.047999009	70.60036469	0.000815841	0.000815841	4.60697E-06	0.008382687	0.002698313	0.192391723	0.029664213	8.92892E-06	21.97758102	4.27515E-05	0.001274915	0.000295644	0.001442867
2091 Oct	219.6952209	0.164746284	0.233629197	0.005463394	47.68085098	0.047946781	70.77476501	0.000814683	0.000814683	4.60261E-06	0.008395031	0.002704389	0.192888483	0.029714674	8.93567E-06	22.01153183	4.28435E-05	0.001277994	0.000296098	0.001444158
2091 Nov	219.9091492	0.16454123	0.233303428	0.005456008	47.62504578	0.047904074	70.89931488	0.000813845	0.000813845	4.59945E-06	0.008403922	0.002708709	0.193244085	0.029750418	8.94042E-06	22.0356369	4.29093E-05	0.001280181	0.000296416	0.001445074
2091 Dec	219.9482727	0.164527267	0.233280092	0.005455482	47.62071609	0.047900587	70.9187851	0.000813793	0.000813793	4.59935E-06	0.008405482	0.002709388	0.193299264	0.02975646	8.94154E-06	22.03982735	4.29198E-05	0.001280522	0.000296471	0.001445272
2092 Jan	219.9549866	0.164525717	0.23327741	0.005455422	47.62021255	0.04790017	70.92199707	0.000813788	0.000813788	4.59935E-06	0.008405745	0.0027095	0.193308339	0.029757474	8.94174E-06	22.04053116	4.29215E-05	0.001280578	0.000296481	0.001445306
2092 Feb	219.9576569	0.164526343	0.233278185	0.00545544	47.62037659	0.047900356	70.92307281	0.000813791	0.000813791	4.59938E-06	0.008405847	0.00270954	0.193311349	0.029757863	8.94184E-06	22.04080963	4.29221E-05	0.001280598	0.000296484	0.001445322
2092 Mar	219.9690857	0.164534703	0.233290032	0.005455717	47.62279892	0.047902796	70.92679596	0.000813833	0.000813833	4.59961E-06	0.008406285	0.002709681	0.193321481	0.029759416	8.9423E-06	22.04196167	4.29244E-05	0.001280664	0.0002965	0.001445397
2092 Apr	220.0004425	0.164558172	0.233323306	0.005456495	47.6295929	0.047909629	70.93690491	0.000813949	0.000813949	4.60027E-06	0.008407484	0.002710068	0.193349048	0.029763663	8.94357E-06	22.04510498	4.29305E-05	0.001280847	0.000296542	0.001445603
2092 May	220.8198853	0.164331093	0.232955471	0.005448111	47.56217194	0.047851704	71.33278656	0.000813087	0.000813087	4.59919E-06	0.008438984	0.00272389	0.194467887	0.029889086	8.96734E-06	22.13210297	4.3145E-05	0.001287792	0.000297726	0.00144977
2092 Jun	221.3501892	0.163379148	0.231486052	0.00541759	47.33227539	0.047673617	71.68590546	0.00080938	0.00080938	4.58355E-06	0.008461739	0.002736781	0.195475101	0.030001806	8.97432E-06	22.20732117	4.33354E-05	0.001294226	0.000298903	0.001451661
2092 Jul	221.6820221	0.163223565	0.231238544	0.005409384	47.30960464	0.047674663	71.84526825	0.000808987	0.000808987	4.58283E-06	0.008475485	0.002742722	0.195922211	0.030056635	8.98373E-06	22.24526978	4.34266E-05	0.00129714	0.000299446	0.001453339
2092 Aug	222.1740112	0.16329962	0.231333211	0.005411779	47.34021378	0.047715731	72.0457077	0.000809542	0.000809542	4.58717E-06	0.008494546	0.002750079	0.196480095	0.030128816	9.0006E-06	22.29668045	4.35412E-05	0.001300733	0.00030015	0.001456167
2092 Sep	222.7405548	0.163095355	0.231015518	0.005404644	47.29150009	0.047682848	72.32210541	0.000808838	0.000808838	4.58589E-06	0.008516547	0.002759829	0.197260737	0.030216374	9.01675E-06	22.35710144	4.3692E-05	0.001305623	0.000300977	0.001458989
2092 Oct	223.1760864	0.162888318	0.230697602	0.0053974	47.23764801	0.047640547	72.54437256	0.000807995	0.000807995	4.58349E-06	0.008533254	0.002767513	0.19789055	0.030283138	9.02841E-06	22.4026432	4.38112E-05	0.001309522	0.000301592	0.001461049
2092 Nov	223.289093	0.162842855	0.23062709	0.005395793	47.2256546	0.047631208	72.60103607	0.000807807	0.000807807	4.58301E-06	0.008537566	0.002769467	0.198050961	0.030300172	9.03151E-06	22.41429329	4.38415E-05	0.001310515	0.000301749	0.001461592
2092 Dec	223.3032837	0.162842363	0.230626017	0.005395769	47.22546005	0.047631089	72.60740662	0.000807807	0.000807807	4.58306E-06	0.008538104	0.00276969	0.198068872	0.030302232	9.03195E-06	22.41573524	4.3845E-05	0.001310626	0.000301768	0.001461668
2093 Jan	223.3069305	0.162841707	0.230624959	0.005395745	47.22525406	0.047630902	72.6091156	0.000807804	0.000807804	4.58306E-06	0.008538241	0.002769749	0.198073715	0.03030277	9.03206E-06	22.41610718	4.3846E-05	0.001310656	0.000301773	0.001461687
2093 Feb	223.3086243	0.162842572	0.230626166	0.005395773	47.22550583	0.047631156	72.60972595	0.000807809	0.000807809	4.58309E-06	0.008538306	0.002769772	0.198075384	0.030303009	9.03213E-06	22.41628075	4.38463E-05	0.001310667	0.000301775	0.001461697
2093 Mar	223.3317719	0.162852988	0.230640724	0.005396115	47.22850418	0.047634218	72.61829376	0.000807862	0.000807862	4.58342E-06	0.008539185	0.002770086	0.198099062	0.030306226	9.03299E-06	22.41861343	4.38513E-05	0.00131082	0.000301807	0.001461839
2093 Apr	223.3672028	0.162877426	0.230675265	0.005396924	47.23558044	0.047641367	72.63004303	0.000807983	0.000807983	4.58411E-06	0.008540539	0.002770532	0.198131174	0.030311052	9.03441E-06	22.42217255	4.38583E-05	0.001311031	0.000301854	0.001462068
2093 May	223.7151184	0.16282624	0.23058638	0.005394943	47.22249985	0.047632217	72.78936005	0.000807855	0.000807855	4.58476E-06	0.008553908	0.002776208	0.198579177	0.030364608	9.04503E-06	22.45968819	4.39464E-05	0.001313853	0.000302377	0.00146392
2093 Jun	224.0724792	0.162291154	0.229760513	0.005376251	47.10009766	0.047542479	73.01071167	0.000805823	0.000805823	4.57639E-06	0.008568877	0.002784372	0.19920744	0.030437808	9.05082E-06	22.50891113	4.40673E-05	0.001317908	0.000303151	0.001465316
2093 Jul	224.4772339	0.162371024	0.229860753	0.005378797	47.13470459	0.04758909	73.17066193	0.000806401	0.000806401	4.58051E-06	0.008584714	0.002790369	0.199650496	0.030497914	9.06494E-06	22.55190086	4.41604E-05	0.001320807	0.000303749	0.001467692
2093 Aug	224.8872681	0.162422821	0.229921088	0.005380392	47.16018295	0.047626175	73.33812714	0.000806828	0.000806828	4.58394E-06	0.008600576	0.002796563	0.200115889	0.030558828	9.07886E-06	22.59521484	4.42561E-05	0.001323821	0.000304348	0.001470045
2093 Sep	225.197464	0.162301064	0.229726315	0.005376074	47.13803864	0.04761995	73.4885025	0.000806413	0.000806413	4.58307E-06	0.008612663	0.002801955	0.200538725	0.030607374	9.08751E-06	22.62865067	4.43385E-05	0.00132651	0.000304811	0.001471583
2093 Oct	225.4228821	0.161895871	0.229096889	0.005361794	47.03624344	0.047545087	73.64501953	0.000804713	0.000804713	4.57586E-06	0.008622322	0.002807356	0.200987577	0.030648865	9.09039E-06	22.65551567	4.44195E-05	0.001329279	0.000305176	0.001472292
2093 Nov	225.6136627	0.16173023	0.22882995	0.005355764	46.99016571	0.047509342	73.75357819	0.000804052	0.000804052	4.57345E-06	0.008630348	0.002811141	0.201297149	0.030680807	9.09486E-06	22.67720222	4.44774E-05	0.001331187	0.000305464	0.001473147
2093 Dec	225.6282349	0.161728978	0.228827134	0.005355704	46.98968124	0.047509063	73.76021576	0.000804051	0.000804051	4.5735E-06	0.008630927	0.002811376	0.20131585	0.030682998	9.09532E-06	22.67874336	4.44811E-05	0.001331304	0.000305485	0.001473227
2094 Jan	225.6348267	0.161727861	0.228825048	0.005355658	46.98929977	0.047508765	73.76331329	0.000804048	0.000804048	4.57351E-06	0.008631186	0.002811485	0.201324567	0.030683991	9.09552E-06	22.67943954	4.44828E-05	0.001331358	0.000305494	0.001473262
2094 Feb	225.6372681	0.16172792	0.228824973	0.005355657	46.98929596	0.047508787	73.76438141	0.000804048	0.000804048	4.57352E-06	0.008631282	0.002811523	0.201327577	0.030684358	9.0956E-06	22.67969894	4.44834E-05	0.001331377	0.000305497	0.001473275
2094 Mar	225.6464539	0.161734045	0.228833601	0.005355858	46.99107361	0.047510587	73.76744843	0.000804079	0.000804079	4.5737E-06	0.008631634	0.00281164	0.201335967	0.030685617	9.09597E-06	22.68062782	4.44852E-05	0.001331433	0.00030551	0.001473335
2094 Apr	225.6701355	0.161750883	0.228857398	0.005356416	46.99596405	0.047515534	73.77520752	0.000804163	0.000804163	4.57417E-06	0.008632539	0.002811935	0.201357156	0.030688839	9.09692E-06	22.6830101	4.44899E-05	0.001331573	0.000305542	0.001473489
2094 May	226.2166443	0.161544651	0.22852473	0.005348871	46.93950653	0.047469437	74.04542542	0.00080337	0.00080337	4.57241E-06	0.008653707	0.002821421	0.202120781	0.030774878	9.11215E-06	22.74247932	4.46364E-05	0.001336334	0.000306365	0.00147622
2094 Jun	226.6859283	0.161269754	0.228076249	0.005338861	46.88217163	0.047436655	74.28096008	0.000802454	0.000802454	4.56971E-06	0.008672634	0.002830147	0.202782646	0.030857762	9.12433E-06	22.80000114	4.47678E-05	0.001340616	0.000307223	0.001478566

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2094 Jul	227.1818848	0.1614535	0.228323981	0.005344805	46.9437027	0.047507461	74.46621704	0.000803494	0.000803494	4.57633E-06	0.008691813	0.002837107	0.203293651	0.030929418	9.14246E-06	22.85179329	4.48763E-05	0.001343964	0.000307936	0.001481584
2094 Aug	227.6681213	0.161656305	0.228602067	0.005351409	47.00741577	0.047577452	74.64582062	0.00080459	0.00080459	4.58318E-06	0.008710482	0.00284382	0.203789115	0.030998729	9.16045E-06	22.90200615	4.49812E-05	0.001347195	0.000308623	0.001484564
2094 Sep	227.9427795	0.161562532	0.228446513	0.005347984	46.99303055	0.047578532	74.77677917	0.000804265	0.000804265	4.58259E-06	0.008721119	0.002848528	0.204156339	0.031041317	9.16816E-06	22.93138504	4.5053E-05	0.001349541	0.000309029	0.001485939
2094 Oct	228.2761536	0.161271095	0.227988839	0.005337607	46.91979599	0.047525227	74.96508026	0.000803047	0.000803047	4.57804E-06	0.008734386	0.00285506	0.204691529	0.031095995	9.1756E-06	22.96810532	4.51526E-05	0.001352861	0.000309529	0.001487367
2094 Nov	228.6151428	0.160975128	0.227520391	0.005326964	46.83863449	0.047460489	75.15880585	0.000801803	0.000801803	4.57342E-06	0.008748106	0.002861728	0.205243751	0.031151606	9.18328E-06	23.00556183	4.52548E-05	0.001356254	0.000310029	0.001488836
2094 Dec	228.650177	0.160952955	0.227484912	0.005326158	46.8323555	0.047455426	75.17767334	0.00080171	0.00080171	4.57311E-06	0.008749499	0.002862377	0.205297366	0.03115713	9.18416E-06	23.00932312	4.52648E-05	0.001356583	0.000310079	0.001488998
2095 Jan	228.6612091	0.160950944	0.22748141	0.005326079	46.83168793	0.047454864	75.18287659	0.000801702	0.000801702	4.57311E-06	0.008749924	0.002862558	0.205312088	0.031158775	9.18449E-06	23.01046371	4.52676E-05	0.001356674	0.000310094	0.001489055
2095 Feb	228.665741	0.160950661	0.227480754	0.005326065	46.83157349	0.047454789	75.18492889	0.000801702	0.000801702	4.57313E-06	0.008750098	0.00286263	0.20531784	0.031159446	9.18464E-06	23.01093292	4.52688E-05	0.00135671	0.0003101	0.00148908
2095 Mar	228.6733704	0.16095385	0.22748509	0.005326167	46.83248138	0.047455732	75.18779755	0.000801718	0.000801718	4.57323E-06	0.00875039	0.002862735	0.205325797	0.031160519	9.18492E-06	23.01171303	4.52704E-05	0.001356761	0.000310111	0.001489126
2095 Apr	228.7037354	0.160974935	0.227514863	0.005326864	46.83861542	0.047461946	75.19782257	0.000801823	0.000801823	4.57383E-06	0.008751553	0.002863117	0.2053532	0.031164665	9.18613E-06	23.01477051	4.52764E-05	0.001356942	0.000310152	0.001489323
2095 May	228.8517151	0.160911635	0.227404654	0.005324439	46.82725906	0.047458436	75.2682724	0.000801642	0.000801642	4.57348E-06	0.008757543	0.002865779	0.205550089	0.031190863	9.19022E-06	23.03316498	4.53163E-05	0.001358233	0.000310428	0.001490107
2095 Jun	229.2385864	0.16079174	0.227189228	0.005319749	46.80654907	0.04745451	75.44744873	0.000801366	0.000801366	4.57352E-06	0.008773209	0.002872513	0.206051052	0.03125719	9.2015E-06	23.07991409	4.54181E-05	0.0013615	0.000311117	0.001492201
2095 Jul	229.7538147	0.160988465	0.227455258	0.005326107	46.87067795	0.047527403	75.63993073	0.000802451	0.000802451	4.58042E-06	0.008793039	0.002879712	0.206582174	0.0313311	9.22036E-06	23.13332748	4.55303E-05	0.001364967	0.000311849	0.001495337
2095 Aug	230.1685333	0.160837814	0.227214694	0.005320807	46.84669876	0.047526233	75.83854675	0.000801955	0.000801955	4.5795E-06	0.00880895	0.002886862	0.207139537	0.031395774	9.23204E-06	23.17787552	4.56384E-05	0.00136852	0.000312467	0.001497417
2095 Sep	230.5683136	0.160711691	0.227010354	0.00531629	46.82115555	0.047516815	76.0297699	0.000801545	0.000801545	4.57899E-06	0.008824381	0.002893677	0.207677811	0.031457502	9.24359E-06	23.220644	4.57422E-05	0.001371916	0.000313049	0.001499447
2095 Oct	230.8321381	0.160617605	0.226861358	0.005312935	46.79848099	0.047502216	76.15924072	0.000801182	0.000801182	4.57822E-06	0.008834441	0.0028982	0.208043352	0.031497594	9.251E-06	23.24822044	4.58117E-05	0.001374194	0.000313421	0.001500749
2095 Nov	231.0410004	0.160471305	0.226632014	0.005307727	46.75888062	0.047470972	76.27318573	0.000800573	0.000800573	4.57611E-06	0.008842647	0.002902122	0.208367422	0.031530764	9.25611E-06	23.27067947	4.58718E-05	0.001376188	0.00031372	0.00150169
2095 Dec	231.090332	0.160448238	0.226595134	0.005306892	46.75228119	0.047465626	76.29850006	0.00080048	0.00080048	4.57585E-06	0.008844576	0.002902998	0.208439201	0.031538397	9.25745E-06	23.27591896	4.58853E-05	0.00137663	0.00031379	0.001501929
2096 Jan	231.0981598	0.160447031	0.226593032	0.005306845	46.75188828	0.047465302	76.30214691	0.000800476	0.000800476	4.57586E-06	0.008844874	0.002903125	0.208449498	0.031539559	9.25769E-06	23.27672958	4.58873E-05	0.001376694	0.000313801	0.00150197
2096 Feb	231.1042786	0.160448208	0.226594508	0.00530688	46.75221252	0.047465663	76.30465698	0.000800483	0.000800483	4.57592E-06	0.008845107	0.002903215	0.208456516	0.031540442	9.2579E-06	23.27736092	4.58887E-05	0.001376738	0.000313809	0.001502006
2096 Mar	231.1131592	0.160451442	0.226598933	0.005306984	46.7531395	0.047466636	76.30806732	0.0008005	0.0008005	4.57603E-06	0.008845447	0.00290334	0.208465949	0.031541698	9.25822E-06	23.27826691	4.58906E-05	0.001376799	0.000313821	0.001502059
2096 Apr	231.1423798	0.160471022	0.22662653	0.005307631	46.75883865	0.047472429	76.31782532	0.000800598	0.000800598	4.57659E-06	0.008846565	0.00290371	0.208492666	0.031545699	9.25939E-06	23.28121376	4.58965E-05	0.001376975	0.000313861	0.001502248
2096 May	232.1319427	0.160186142	0.226182565	0.005297457	46.67375183	0.047394533	76.79966736	0.00079943	0.00079943	4.57469E-06	0.008883817	0.002920324	0.209855452	0.031694427	9.28777E-06	23.38380241	4.6155E-05	0.001385384	0.00031525	0.001507193
2096 Jun	232.5787354	0.159388229	0.224975154	0.005270103	46.48355865	0.047247864	77.09875488	0.000796316	0.000796316	4.56158E-06	0.008902729	0.002930992	0.210710481	0.031783331	9.29389E-06	23.4422226	4.63156E-05	0.001390787	0.000316138	0.001508691
2096 Jul	232.9499207	0.159406573	0.224986464	0.005270679	46.50705719	0.047289867	77.25108337	0.000796669	0.000796669	4.56451E-06	0.008917641	0.002936729	0.211133257	0.031839155	9.30642E-06	23.48178291	4.6405E-05	0.001393569	0.000316687	0.001510796
2096 Aug	233.3574219	0.159561306	0.225198284	0.005275775	46.55859375	0.04734933	77.40286255	0.00079756	0.00079756	4.57014E-06	0.008933505	0.002942421	0.211552352	0.03189734	9.32147E-06	23.52386284	4.64941E-05	0.001396309	0.000317259	0.001513277
2096 Sep	233.6473846	0.159359723	0.224883601	0.005268784	46.51654434	0.047328632	77.55537415	0.000796848	0.000796848	4.56779E-06	0.00894533	0.002947864	0.21198374	0.031944066	9.32885E-06	23.55560493	4.65776E-05	0.00139904	0.000317691	0.001514609
2096 Oct	233.9785919	0.158969745	0.224270895	0.005254983	46.41418457	0.047251612	77.75692749	0.000795314	0.000795314	4.56178E-06	0.008959619	0.002954876	0.212560251	0.032001022	9.3357E-06	23.59366989	4.66851E-05	0.001402596	0.000318196	0.001515957
2096 Nov	234.1084137	0.158897996	0.224151373	0.005252317	46.39358139	0.047236338	77.82485199	0.000795054	0.000795054	4.56104E-06	0.00896507	0.002957261	0.212753251	0.032021783	9.33923E-06	23.60798836	4.6722E-05	0.001403791	0.000318384	0.001516594
2096 Dec	234.1161346	0.158896789	0.224149093	0.005252267	46.39315796	0.047236037	77.82845306	0.000795051	0.000795051	4.56106E-06	0.00896538	0.002957388	0.212763429	0.032022942	9.33947E-06	23.60880089	4.6724E-05	0.001403854	0.000318394	0.001516636
2097 Jan	234.1232452	0.158894598	0.224145398	0.005252184	46.39245224	0.04723544	77.83194733	0.000795043	0.000795043	4.56105E-06	0.008965665	0.002957509	0.212773308	0.03202403	9.33968E-06	23.60955429	4.67259E-05	0.001403915	0.000318404	0.001516672
2097 Feb	234.1278381	0.158893198	0.224143013	0.005252131	46.39199829	0.047235053	77.834198	0.000795038	0.000795038	4.56104E-06	0.008965847	0.002957588	0.212779686	0.03202473	9.33982E-06	23.61004257	4.67271E-05	0.001403954	0.000318411	0.001516696
2097 Mar	234.1343384	0.158896476	0.224147573	0.005252239	46.39295197	0.047236044	77.83652496	0.000795055	0.000795055	4.56114E-06	0.008966097	0.002957675	0.212786123	0.032025635	9.34007E-06	23.61070633	4.67285E-05	0.001403996	0.00031842	0.001516736
2097 Apr	234.1717072	0.158921838	0.224183336	0.005253077	46.40035629	0.047243584	77.84895325	0.000795182	0.000795182	4.56187E-06	0.008967529	0.002958147	0.212820083	0.03203075	9.34156E-06	23.61447525	4.6736E-05	0.00140422	0.00031847	0.001516978
2097 May	234.3226929	0.158960626	0.22422868	0.005254214	46.4141655	0.047260832	77.90724182	0.000795443	0.000795443	4.56363E-06	0.008973535	0.002960374	0.21298115	0.032054029	9.34693E-06	23.63132477	4.67703E-05	0.001405282	0.000318709	0.001517899
2097 Jun	234.5418549	0.15869689	0.223801002	0.005244724	46.35904694	0.047230255	78.03121185	0.000794583	0.000794583	4.5603E-06	0.008983441	0.002965177	0.213330388	0.032099567	9.3515E-06	23.66275215	4.68412E-05	0.0014076	0.000319198	0.00151892
2097 Jul	234.9896545	0.158856928	0.224012703	0.005249864	46.41288376	0.047293965	78.19891357	0.000795538	0.000795538	4.56636E-06	0.009001069	0.002971516	0.213793308	0.032164816	9.36797E-06	23.70998001	4.694E-05	0.001410636	0.000319846	0.001521663
2097 Aug	235.3276367	0.158935234	0.224110544	0.005252333	46.44558716	0.047338411	78.3310318	0.000796063	0.000796063	4.57E-06	0.00901425	0.002976473	0.214158669	0.032214381	9.37987E-06	23.74549675	4.70165E-05	0.001413028	0.000320333	0.00152366
2097 Sep	235.5774994	0.158935249	0.22409679	0.005252172	46.45380402	0.047356855	78.43763733	0.000796179	0.000796179	4.57141E-06	0.009024003	0.002980387	0.214455709	0.032251805	9.38798E-06	23.77191925	4.70767E-05	0.001414946	0.000320694	0.001525047
2097 Oct	235.7520905	0.158795014	0.22387366	0.005247172	46.42003632	0.047334868	78.53340149	0.000795642	0.000795642	4.5695E-06	0.009031156	0.002983773	0.214727357	0.032280769	9.39216E-06	23.79156494	4.71282E-05	0.001416647	0.000320962	0.001525837
2097 Nov	235.8500519	0.158707559	0.223735034	0.005244049	46.39738846	0.047318242	78.588974	0.000795296	0.000795296	4.56822E-06	0.009035191	0.002985714	0.214885563	0.03229709	9.39442E-06	23.80258369	4.71578E-05	0.001417627	0.00032111	0.001526268
2097 Dec	235.8636475	0.158691689	0.223710224	0.005243488	46.39336014	0.047315292	78.597229	0.00079523	0.00079523	4.56796E-06	0.00903575	0.002985999	0.214909106	0.032299392	9.39468E-06	23.80411148	4.71622E-05	0.001417773	0.000321131	0.001526321
2098 Jan	235.8698883	0.158690482	0.223708063	0.00524344	46.39296722	0.047314968	78.60015869	0.000795227	0.000795227	4.56797E-06	0.009035997	0.002986102	0.214917377	0.032300353	9.39487E-06	23.80478287	4.71638E-05	0.001417824	0.00032114	0.001526355
2098 Feb	235.8746033	0.158689827	0.223706841	0.005243414	46.39274979	0.047314797	78.60233307	0.000795225	0.000795225	4.56798E-06	0.009036182	0.002986179	0.214923501	0.032301076	9.39502E-06	23.80529213	4.7165E-05	0.001417863	0.000321147	0.00152638
2098 Mar	235.8800659	0.1586916	0.223709211	0.00524347	46.39325714	0.04731534	78.60445404	0.000795235	0.000795235	4.56805E-06	0.009036394	0.002986257	0.214929387	0.032301862	9.39522E-06	23.80585861	4.71662E-05	0.0014179	0.000321155	0.001526413
2098 Apr	235.9043121	0.158704326	0.223726451	0.005243877	46.39712143	0.047319409	78.61296844	0.000795302	0.000795302	4.56844E-06	0.009037323	0.002986583	0.214952707	0.032305393	9.39614E-06	23.80844688	4.71712E-05	0.001418055	0.000321191	0.001526567
2098 May	236.0591431	0.158606648	0.223555163	0.005240112	46.37622452	0.047306977	78.6887207	0.000795062	0.000795062	4.56784E-06	0.009044037	0.002989606	0.215164334	0.032337282	9.40027E-06	23.83114433	4.72154E-05	0.001419476	0.000321552	0.001527433
2098 Jun	236.034668	0.157976806	0.222573951	0.005218002	46.23661041	0.047208942	78.74907684	0.000792689	0.000792689	4.55646E-06	0.009045335	0.00299241	0.215339079	0.032362636	9.393E-06	23.84692383	4.72491E-05	0.001420782	0.000321916	0.00152677
2098 Jul	236.4637604	0.158177197	0.222845435	0.005224513	46.30223465	0.04728302	78.90183258	0.000793825	0.000793825	4.5633E-06	0.009062188	0.002998284	0.215758398	0.03242505	9.40929E-06	23.89247322	4.73407E-05	0.001423568	0.000322547	0.001529473
2098 Aug	236.793335	0.158103779	0.222712755	0.005221772	46.29927063	0.047300395	79.04869843	0.000793768	0.000793768	4.56415E-06	0.009075438	0.003003851	0.216167644	0.032479152	9.4194E-06	23.93060493	4.74243E-05	0.001426257	0.000323094	0.001531278
2098 Sep	236.9758911	0.157764062	0.222180054	0.005209836	46.22174072	0.04725188	79.17186737	0.00079248	0.00079248	4.5587E-06	0.009083571	0.003008342	0.216518983	0.032516092	9.4219E-06	23.95512009	4.74894E-05	0.001428497	0.000323445	0.001531913
2098 Oct	237.1670227	0.157428682	0.221644521	0.005197784	46.13458252	0.047188465	79.30309296	0.000791142	0.000791142	4.5531E-06	0.009092308	0.003012964	0.216895416	0.032552931	9.4247E-06	23.9795475	4.7558E-05	0.001430829	0.000323774	0.001532596
2098 Nov	237.3724518	0.157257527	0.221368536	0.005191562	46.08657455	0.047150705	79.41915131	0.000790457	0.000790457	4.55063E-06	0.009100838	0.003016995	0.217226282	0.032587022	9.42958E-06	24.00272751	4.76196E-05	0.001432864	0.000324081	0.001533524
2098 Dec	237.4287567	0.157239035	0.221337706	0.005190868	46.0806694	0.047145609	79.44695282	0.000790389	0.000790389	4.55052E-06	0.00910306	0.003017961	0.217305049	0.032595675	9.43121E-06	24.00873184	4.76347E-05	0.00143335	0.00032416	0.00153381
2099 Jan	237.4350433	0.157238141	0.221336052	0.005190832	46.08036423	0.047145374	79.44987488	0.000790386	0.000790386	4.55053E-06	0.009103304	0.003018063	0.21731329	0.032596614	9.4314E-06	24.00938988	4.76363E-05	0.001433401	0.000324169	0.001533844
2099 Feb	237.4408722	0.157237619	0.221334964	0.005190808	46.08017349	0.04714524	79.45253754	0.000790385	0.000790385	4.55055E-06	0.009103529	0.003018157	0.21732077	0.032597478	9.43158E-06	24.00999641	4.76377E-05	0.001433448	0.000324177	0.001533875
2099 Mar	237.4556274	0.157245249	0.221345529	0.005191057	46.08238983	0.047147535	79.45781708	0.000790424	0.000790424	4.55078E-06	0.009104095	0.003018354	0.217335328	0.032599539	9.43215E-06	24.0114994	4.76408E-05	0.001433543	0.000324198	0.001533967
2099 Apr	237.5156555	0.15727815	0.221390575	0.005192118	46.09232712	0.047157969	79.47874451	0.000790593	0.000790593	4.55179E-06	0.009106392	0.003019152	0.217392683	0.032608151	9.43444E-06	24.01781082	4.76532E-05	0.001433922	0.000324285	0.001534349
2099 May	237.7080536	0.156976148	0.220887542	0.005180783	46.02124786	0.047103796	79.59481812	0.00078951	0.00078951	4.5473E-06	0.00911474	0.003023845	0.217718139	0.032657985	9.43725E-06	24.052742	4.77179E-05	0.00143613	0.000324887	0.001535278
2099 Jun	237.8510284	0.156674787	0.220404148	0.005169954	45.96042633	0.047068492	79.68873596	0.000788418	0.000788418	4.54257E-06	0.009121167	0.003027629	0.217981622	0.032694936	9.43857E-06	24.07793427	4.77706E-05	0.00143794	0.000325321	0.001535831
2099 Jul	238.2822266	0.156822041	0.220596239	0.005174625	46.01205826	0.047130041	79.85020447	0.000789302	0.000789302	4.54822E-06	0.009137989	0.003033771	0.218426511	0.032758903	9.45425E-06	24.12423325	4.78656E-05	0.001440875	0.000325968	0.001538471
2099 Aug	238.7457581	0.156921044	0.220717132	0.005177674	46.05382156	0.047186278	80.03259277	0.000789962	0.000789962	4.55292E-06	0.009155853	0.003040608	0.218931004	0.032827761	9.47034E-06	24.17358971	4.79704E-05	0.001444178	0.000326654	0.001541198
2099 Sep	238.9912262	0.156693935	0.220359549	0.005169661	46.00372314	0.047156624	80.16886902	0.000789101	0.000789101	4.54971E-06	0.009165652	0.003045509	0.219316617	0.032870501	9.47582E-06	24.20261192	4.80429E-05	0.001446627	0.000327065	0.00154228
2099 Oct	239.1895599	0.156464294	0.219995201	0.005161444	45.94570923	0.047114875	80.28818512	0.00078817	0.00078817	4.54603E-06	0.009173851	0.003049692	0.219656572	0.032905299	9.47975E-06	24.22595215	4.81055E-05	0.001448741	0.000327385	0.001543092
2099 Nov	239.3152466	0.1563126	0.219755068	0.005156009	45.90497589	0.047082994	80.36559296	0.000787543	0.000787543	4.54354E-06	0.009179084	0.003052371	0.219877839	0.032927297	9.48219E-06	24.24066925	4.81459E-05	0.001450102	0.000327583	0.001543598
2099 Dec	239.3397827	0.156306893	0.219745129	0.005155788	45.90311432	0.047081433	80.37731934	0.000787524	0.000787524	4.54354E-06	0.009180047	0.003052782	0.219910979	0.03293106	9.48293E-06	24.24329758	4.81523E-05	0.001450308	0.000327619	0.001543727
2100 Jan	239.3447571	0.156305596	0.219742909	0.005155738	45.90269089	0.047081072	80.3797226	0.00078752	0.00078752	4.54354E-06	0.00918024	0.003052866	0.219917774	0.032931823	9.48307E-06	24.24382973	4.81536E-05	0.00145035	0.000327626	0.001543752
2100 Feb	239.3488922	0.156304732	0.219741404	0.005155704	45.9024086	0.04708083	80.38168335	0.000787517	0.000787517	4.54354E-06	0.009180401	0.003052935	0.219923303	0.032932453	9.4832E-06	24.24426842	4.81546E-05	0.001450384	0.000327632	0.001543774
2100 Mar	239.3538666	0.156305715	0.219742596	0.005155734	45.90267563	0.047081139	80.3837204	0.000787523	0.000787523	4.54359E-06	0.009180592	0.003053008	0.21992898	0.032933179	9.48337E-06	24.24478722	4.81558E-05	0.00145042	0.000327639	0.001543803
2100 Apr	239.5332336	0.156278461	0.219694287	0.005154661	45.89373398	0.047073711	80.46712494	0.000787441	0.000787441	4.54386E-06	0.009187505	0.003055933	0.220164165	0.032960173	9.48886E-06	24.26366234	4.82013E-05	0.001451883	0.000327893	0.001544752
2100 May	239.9655609	0.156112999	0.219415963	0.005148442	45.84877777	0.047037274	80.67797852	0.000786913	0.000786913	4.54293E-06	0.009204708	0.00306355	0.220758736	0.033032585	9.50113E-06	24.31434822	4.83175E-05	0.001455641	0.00032862	0.001547013
2100 Jun	240.0070953	0.155521452	0.218497992	0.005127733	45.71537399	0.046940334	80.76459503	0.000784661	0.000784661	4.53237E-06	0.00920814	0.003067144	0.221007779	0.033064656	9.49631E-06	24.33483505	4.83648E-05	0.001457373	0.000329033	0.001546711
2100 Jul	240.2873688	0.155445382	0.218365982	0.005124987	45.71200562	0.046955783	80.89031982	0.000784572	0.000784572	4.53289E-06	0.009219599	0.003071927	0.221357912	0.033110909	9.50479E-06	24.3672924	4.84377E-05	0.00145969	0.000329504	0.001548223
2100 Aug	240.5667267	0.155272499	0.218093276	0.005119011	45.68270111	0.046949875	81.03065491	0.000784044	0.000784044	4.53136E-06	0.009230861	0.003077115	0.221752271	0.033157885	9.5122E-06	24.39959335	4.85151E-05	0.001462242	0.000329963	0.001549585
2100 Sep	240.8169708	0.155128226	0.217863277	0.005113947	45.6529541	0.04693668	81.15723419	0.000783592	0.000783592	4.53011E-06	0.00924098	0.003081721	0.222109467	0.033199333	9.51897E-06	24.42823601	4.85842E-05	0.001464518	0.000330359	0.001550816
2100 Oct	241.010498	0.155037642	0.217717901	0.00511072	45.63169479	0.046923846	81.25409698	0.000783284	0.000783284	4.52935E-06	0.009248663	0.003085168	0.222383082	0.033230186	9.52433E-06	24.44953537	4.86368E-05	0.001466238	0.00033065	0.001551775
2100 Nov	241.125824	0.154998437	0.217655003	0.005109315	45.62082672	0.046915296	81.31047821	0.000783152	0.000783152	4.52915E-06	0.00925317	0.003087149	0.222542569	0.033248089	9.52767E-06	24.46195602	4.86673E-05	0.00146723	0.000330818	0.001552361
2100 Dec	241.1503601	0.154994756	0.2176487	0.005109177	45.6196785	0.046914376	81.32183838	0.000783144	0.000783144	4.5292E-06	0.00925412	0.00308755	0.222574592	0.0332518	9.52843E-06	24.46455574	4.86736E-05	0.001467429	0.000330853	0.001552492
2101 Jan	241.1555634	0.154994294	0.217647836	0.005109158	45.61952591	0.046914268	81.32418823	0.000783143	0.000783143	4.52922E-06	0.009254321	0.003087633	0.222581223	0.033252578	9.5286E-06	24.46510124	4.86749E-05	0.001467471	0.000330861	0.00155252
2101 Feb	241.1602631	0.154993147	0.217645988	0.005109116	45.61917496	0.046913955	81.32643127	0.000783139	0.000783139	4.52922E-06	0.0092545	0.003087711	0.222587556	0.03325329	9.52874E-06	24.46559715	4.86761E-05	0.00146751	0.000330868	0.001552544
2101 Mar	241.1640778	0.154993951	0.217647046	0.005109142	45.61940765	0.046914212	81.32798004	0.000783144	0.000783144	4.52925E-06	0.009254647	0.003087767	0.222591862	0.033253845	9.52887E-06	24.46599388	4.8677E-05	0.001467537	0.000330873	0.001552566
2101 Apr	241.1925049	0.15500918	0.217668265	0.005109641	45.62390137	0.046918884	81.33805084	0.000783222	0.000783222	4.52972E-06	0.009255737	0.003088144	0.222619548	0.033257816	9.52996E-06	24.46889305	4.86829E-05	0.001467718	0.000330912	0.001552745
2101 May	241.3625031	0.15492968	0.217529818	0.005106612	45.60641479	0.046907824	81.41901398	0.000783051	0.000783051	4.52951E-06	0.009262872	0.003091285	0.222846299	0.033290226	9.5348E-06	24.49193192	4.87295E-05	0.001469214	0.000331267	0.001553692

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2101 Jun	241.5058594	0.154520288	0.216891155	0.005092276	45.51586151	0.046844732	81.5276413	0.000781583	0.000781583	4.52304E-06	0.009269792	0.003095585	0.223154873	0.033330392	9.53534E-06	24.51893425	4.879E-05	0.001471289	0.000331732	0.001554142
2101 Jul	241.9417572	0.154686853	0.217114687	0.005097662	45.57133865	0.04690833	81.68904877	0.00078255	0.00078255	4.52911E-06	0.009286791	0.003101697	0.223599821	0.033393975	9.55141E-06	24.5650444	4.88852E-05	0.001474216	0.00033237	0.001556821
2101 Aug	242.3596802	0.154831737	0.217309237	0.005102356	45.62173843	0.046967797	81.84628296	0.000783384	0.000783384	4.53448E-06	0.009302886	0.003107598	0.224033654	0.033454426	9.56657E-06	24.608675	4.89769E-05	0.001477058	0.000332971	0.001559346
2101 Sep	242.6015015	0.154667497	0.217049539	0.005096598	45.58946991	0.046954062	81.97163391	0.000782809	0.000782809	4.5326E-06	0.009312522	0.003112137	0.22438702	0.033494655	9.57268E-06	24.6362114	4.90449E-05	0.001479317	0.000333357	0.00156048
2101 Oct	242.7775574	0.154551804	0.216863602	0.005092445	45.56160736	0.046935979	82.06441498	0.000782382	0.000782382	4.53122E-06	0.009319638	0.003115434	0.224649668	0.033523668	9.57717E-06	24.65609741	4.9095E-05	0.001480967	0.000333631	0.001561315
2101 Nov	242.8625793	0.154380187	0.216594607	0.005086362	45.51659393	0.046901185	82.1263504	0.000781675	0.000781675	4.5282E-06	0.009323424	0.003117574	0.224827871	0.033540204	9.57813E-06	24.66687012	4.91269E-05	0.001482061	0.000333777	0.001561577
2101 Dec	242.8861542	0.154362246	0.216564775	0.005085695	45.51136398	0.04689711	82.13941193	0.000781607	0.000781607	4.52797E-06	0.009324435	0.003118033	0.224865079	0.033544172	9.57872E-06	24.66960335	4.91339E-05	0.001482291	0.000333813	0.001561689
2102 Jan	242.8916016	0.154360592	0.216561988	0.005085632	45.51083374	0.046896651	82.14205933	0.000781602	0.000781602	4.52796E-06	0.00932465	0.003118126	0.224872604	0.033545021	9.57888E-06	24.67019081	4.91353E-05	0.001482337	0.000333821	0.001561717
2102 Feb	242.8968048	0.154359832	0.216560543	0.005085601	45.51057434	0.046896446	82.14447784	0.0007816	0.0007816	4.52797E-06	0.009324854	0.003118211	0.224879414	0.033545818	9.57904E-06	24.67075348	4.91366E-05	0.00148238	0.000333828	0.001561745
2102 Mar	242.9029083	0.154361352	0.216562465	0.005085648	45.5110054	0.046896927	82.14691162	0.000781609	0.000781609	4.52804E-06	0.009325091	0.0031183	0.224886179	0.033546701	9.57926E-06	24.67138863	4.9138E-05	0.001482423	0.000333837	0.001561781
2102 Apr	242.9227142	0.154373482	0.216579422	0.005086046	45.51457596	0.046900611	82.15368652	0.000781671	0.000781671	4.5284E-06	0.009325852	0.003118556	0.224904746	0.033549447	9.58003E-06	24.6734066	4.91421E-05	0.001482545	0.000333864	0.001561908
2102 May	243.0893707	0.154404849	0.216618538	0.005086998	45.52348709	0.046910774	82.22203827	0.00078186	0.00078186	4.52988E-06	0.00933226	0.003121022	0.225095466	0.033573572	9.58577E-06	24.69062424	4.91806E-05	0.001483756	0.000334097	0.00156287
2102 Jun	243.272049	0.15385665	0.215800256	0.005068726	45.3913765	0.046814639	82.37418365	0.000779921	0.000779921	4.52146E-06	0.009342402	0.0031264	0.225537941	0.033611484	9.58726E-06	24.71440506	4.92657E-05	0.001486508	0.000334413	0.001563238
2102 Jul	243.4810028	0.153681368	0.215532228	0.005063019	45.36414337	0.046814892	82.48258972	0.000779533	0.000779533	4.52036E-06	0.009352366	0.003130495	0.225844562	0.033646114	9.59315E-06	24.73795891	4.93306E-05	0.001488515	0.000334727	0.001564226
2102 Aug	243.772934	0.153738871	0.215605453	0.005064988	45.39334106	0.046858996	82.59693909	0.00078002	0.00078002	4.52367E-06	0.009364196	0.003134811	0.226161405	0.033688039	9.60364E-06	24.76793098	4.93981E-05	0.001490597	0.000335124	0.001565939
2102 Sep	243.9051208	0.153708577	0.215552673	0.005063973	45.39549637	0.046874642	82.65572357	0.000780027	0.000780027	4.52415E-06	0.009369818	0.003137021	0.226325557	0.033707745	9.60788E-06	24.78167915	4.94322E-05	0.001491675	0.000335302	0.001566639
2102 Oct	243.8889771	0.15342167	0.215114027	0.005054152	45.32584	0.046827316	82.68781281	0.000778917	0.000778917	4.51887E-06	0.009370746	0.003138119	0.226423219	0.033710565	9.60483E-06	24.78213882	4.94483E-05	0.001492263	0.00033529	0.001566215
2102 Nov	243.9428711	0.153398663	0.21507518	0.005053316	45.31919479	0.046822883	82.71464539	0.000778867	0.000778867	4.51884E-06	0.009373137	0.003139086	0.226499483	0.033719208	9.60649E-06	24.78819084	4.94634E-05	0.001492739	0.000335368	0.0015665
2102 Dec	243.9564362	0.153395891	0.215070263	0.005053214	45.31828308	0.046822295	82.72101593	0.000778865	0.000778865	4.51889E-06	0.009373715	0.003139313	0.226517558	0.033721264	9.60693E-06	24.78963852	4.9467E-05	0.001492851	0.000335387	0.001566574
2103 Jan	243.9585114	0.153395891	0.215070099	0.005053211	45.31826782	0.046822321	82.72193146	0.000778866	0.000778866	4.5189E-06	0.009373803	0.003139346	0.226520136	0.033721577	9.607E-06	24.78986168	4.94676E-05	0.001492867	0.00033539	0.001566586
2103 Feb	243.9610291	0.153397322	0.21507211	0.005053259	45.31869125	0.046822764	82.72280884	0.000778874	0.000778874	4.51895E-06	0.0093739	0.003139379	0.22652252	0.033721935	9.6071E-06	24.79012299	4.94681E-05	0.001492883	0.000335393	0.001566602
2103 Mar	243.9663086	0.153400645	0.215076759	0.005053368	45.31967545	0.046823777	82.72459412	0.000778891	0.000778891	4.51904E-06	0.009374103	0.003139447	0.226527408	0.033722665	9.60731E-06	24.79066277	4.94692E-05	0.001492916	0.000335401	0.001566636
2103 Apr	243.9934845	0.153417736	0.215100721	0.005053931	45.32472229	0.046828993	82.73381042	0.000778978	0.000778978	4.51955E-06	0.009375147	0.003139797	0.226552635	0.033726424	9.60838E-06	24.79342651	4.94747E-05	0.001493082	0.000335438	0.00156681
2103 May	244.6334381	0.153159291	0.214689255	0.005044792	45.24966049	0.046765395	83.05200958	0.000778189	0.000778189	4.51821E-06	0.009401168	0.00315103	0.227455035	0.033827972	9.62701E-06	24.86392593	4.96502E-05	0.001498691	0.000336396	0.001570074
2103 Jun	244.6843872	0.152561799	0.21377261	0.005024149	45.11180878	0.046662129	83.14490509	0.000775966	0.000775966	4.50787E-06	0.00940531	0.003154765	0.227724105	0.033859693	9.6228E-06	24.88402367	4.97017E-05	0.001500512	0.000336784	0.001569806
2103 Jul	244.9882813	0.152526245	0.213702664	0.005022868	45.12054825	0.046690397	83.27479553	0.000776091	0.000776091	4.50948E-06	0.009417717	0.003159733	0.228084892	0.033908114	9.63262E-06	24.91819572	4.97777E-05	0.001502904	0.000337271	0.001571508
2103 Aug	245.300293	0.152395725	0.213495135	0.005018477	45.10248566	0.046695653	83.42221069	0.000775864	0.000775864	4.5095E-06	0.009430601	0.00316529	0.228498042	0.033959962	9.64197E-06	24.954216	4.98608E-05	0.001505586	0.000337779	0.001573175
2103 Sep	245.5092468	0.152179658	0.21315676	0.005010976	45.05436707	0.046668731	83.54098511	0.00077512	0.00077512	4.50674E-06	0.009439527	0.003169598	0.228835091	0.033996612	9.6468E-06	24.97897339	4.99251E-05	0.00150772	0.00033812	0.001574108
2103 Oct	245.6126251	0.151842356	0.21262826	0.004999101	44.96759033	0.046605557	83.63382721	0.000773787	0.000773787	4.50085E-06	0.009444949	0.003172845	0.229104176	0.034019783	9.64693E-06	24.99361229	4.99725E-05	0.001509367	0.00033831	0.001574313
2103 Nov	245.6725006	0.151746705	0.212474093	0.004995652	44.94169998	0.046586674	83.67401886	0.000773419	0.000773419	4.49935E-06	0.00944778	0.003174256	0.22921966	0.034030922	9.64798E-06	25.00102997	4.99937E-05	0.001510076	0.000338405	0.001574547
2103 Dec	245.6861115	0.151743412	0.212468103	0.004995522	44.94059372	0.04658585	83.68054962	0.00077341	0.00077341	4.49936E-06	0.009448335	0.003174486	0.229238123	0.034033019	9.6484E-06	25.00250053	4.99973E-05	0.00151019	0.000338424	0.00157462
2104 Jan	245.6901703	0.151742145	0.212465912	0.004995473	44.9401741	0.046585511	83.68254089	0.000773406	0.000773406	4.49935E-06	0.0094485	0.003174556	0.22924374	0.034033652	9.64852E-06	25.00294113	4.99984E-05	0.001510225	0.00033843	0.001574641
2104 Feb	245.6913147	0.151742578	0.212466493	0.004995487	44.9403038	0.046585649	83.68296814	0.000773409	0.000773409	4.49937E-06	0.009448545	0.003174572	0.229244933	0.034033824	9.64857E-06	25.00306511	4.99986E-05	0.001510233	0.000338431	0.001574649
2104 Mar	245.696991	0.151746079	0.212471366	0.004995601	44.94133759	0.046586718	83.68489838	0.000773427	0.000773427	4.49947E-06	0.009448763	0.003174646	0.229250237	0.034034614	9.64879E-06	25.00364494	4.99998E-05	0.001510268	0.000338439	0.001574685
2104 Apr	245.7587128	0.151763678	0.21249415	0.004996152	44.94638062	0.046592366	83.70920563	0.000773529	0.000773529	4.50018E-06	0.009451171	0.003175536	0.229317829	0.034043521	9.651E-06	25.01005745	5.00137E-05	0.0015107	0.000338526	0.001575054
2104 May	246.0061035	0.15163745	0.212274924	0.004991346	44.91476059	0.046570387	83.83083344	0.000773216	0.000773216	4.49959E-06	0.009461749	0.003180149	0.229660064	0.034089357	9.65801E-06	25.04246712	5.00829E-05	0.001512916	0.000339008	0.001576408
2104 Jun	245.9292145	0.151177898	0.211564228	0.004975361	44.81635666	0.046505604	83.84905243	0.000771462	0.000771462	4.49095E-06	0.009460365	0.003181229	0.2297149	0.034097195	9.65081E-06	25.04623222	5.00928E-05	0.001513406	0.000339154	0.001575571
2104 Jul	246.269989	0.15124543	0.211641952	0.004977436	44.84914398	0.04655271	83.98153687	0.000772007	0.000772007	4.49469E-06	0.009473979	0.003186319	0.230080485	0.034149148	9.66283E-06	25.08355904	5.0171E-05	0.001515835	0.000339679	0.001577613
2104 Aug	246.5862732	0.151255891	0.21163851	0.004977623	44.86613846	0.046585511	84.11249542	0.000772269	4.497E-06	0.009486474	0.003191262	0.230443791	0.034197759	9.67337E-06	25.11809158	5.02462E-05	0.001518219	0.000340161	0.001579424
2104 Sep	246.7488556	0.151052907	0.211320117	0.004970547	44.82231522	0.046562009	84.20870972	0.000771545	0.000771545	4.49415E-06	0.009493404	0.003194775	0.230716854	0.03422749	9.67669E-06	25.13813019	5.02976E-05	0.001519963	0.000340441	0.001580103
2104 Oct	246.8946838	0.150778443	0.210885003	0.00496078	44.75068665	0.046509046	84.31116486	0.00077048	0.00077048	4.48968E-06	0.0095002	0.003198394	0.231011286	0.034256272	9.67877E-06	25.15718651	5.03512E-05	0.001521783	0.000340697	0.001580619
2104 Nov	247.0322723	0.150667235	0.210704058	0.00495673	44.71860886	0.046483457	84.38811493	0.000770069	0.000770069	4.48826E-06	0.009506067	0.003201098	0.23123078	0.034279604	9.68221E-06	25.17319298	5.03925E-05	0.001523136	0.00034091	0.001581269
2104 Dec	247.0789185	0.150651187	0.210677505	0.004956136	44.71345901	0.046478968	84.41122437	0.000770013	0.000770013	4.48817E-06	0.009507922	0.003201904	0.231296271	0.034286831	9.68356E-06	25.17821312	5.0405E-05	0.001523539	0.000340977	0.001581508
2105 Jan	247.0839386	0.150649533	0.210674778	0.004956075	44.71292877	0.046478499	84.41370392	0.000770007	0.000770007	4.48816E-06	0.009508119	0.00320199	0.231303304	0.034287602	9.68371E-06	25.17874718	5.04063E-05	0.001523583	0.000340984	0.001581533
2105 Feb	247.0871277	0.150649384	0.210674375	0.004956067	44.71286774	0.046478469	84.41513062	0.000770007	0.000770007	4.48817E-06	0.009508242	0.00320204	0.231307313	0.034288082	9.68381E-06	25.17908478	5.04071E-05	0.001523608	0.000340988	0.001581551
2105 Mar	247.0892487	0.150650561	0.210676014	0.004956105	44.71321487	0.04647883	84.4158783	0.000770013	0.000770013	4.48821E-06	0.009508325	0.003202069	0.231309354	0.03428838	9.68389E-06	25.17930603	5.04075E-05	0.001523621	0.000340991	0.001581564
2105 Apr	247.1260681	0.150659531	0.210687503	0.004956384	44.71578598	0.046481714	84.43063354	0.000770066	0.000770066	4.48859E-06	0.009509751	0.003202606	0.231350467	0.034293704	9.68519E-06	25.18312073	5.04159E-05	0.001523883	0.000341043	0.001581781
2105 May	247.3318024	0.150557935	0.210514456	0.004952571	44.69236374	0.046466552	84.53131104	0.000769785	0.000769785	4.48799E-06	0.009518249	0.003206386	0.231633306	0.034330864	9.6909E-06	25.20926476	5.04727E-05	0.001525715	0.000341432	0.001582878
2105 Jun	247.5217743	0.150360093	0.210193038	0.00494545	44.65363693	0.046446718	84.63408661	0.000769148	0.000769148	4.48561E-06	0.009526404	0.003210385	0.231921509	0.03436983	9.69506E-06	25.236269	5.05311E-05	0.00152764	0.00034186	0.001583794
2105 Jul	247.9232635	0.150422141	0.210263416	0.004947335	44.6844902	0.046491675	84.79489899	0.000769646	0.000769646	4.48934E-06	0.009542055	0.003216421	0.23236686	0.034430139	9.70885E-06	25.27931595	5.06238E-05	0.001530555	0.00034246	0.00158614
2105 Aug	248.2954559	0.150131732	0.209813893	0.004937357	44.62381363	0.046459943	84.99311066	0.000768651	0.000768651	4.48595E-06	0.009556913	0.003223601	0.232926756	0.034493361	9.71808E-06	25.32232285	5.07303E-05	0.001534113	0.000343066	0.001587881
2105 Sep	248.6661835	0.149682045	0.209120497	0.004921769	44.51068497	0.046377536	85.21834564	0.000766919	0.000766919	4.47915E-06	0.009572112	0.003231484	0.233570278	0.034558006	9.72565E-06	25.36555672	5.08472E-05	0.001538094	0.000343648	0.001589386
2105 Oct	248.9107208	0.149376735	0.208643198	0.004910993	44.43030167	0.046316948	85.37099457	0.000765656	0.000765656	4.4741E-06	0.009582185	0.003236705	0.23400715	0.034599233	9.73035E-06	25.39283943	5.09258E-05	0.001540763	0.000344001	0.001590333
2105 Nov	249.100174	0.149219841	0.208394393	0.004905374	44.38549042	0.0462805	85.47870636	0.000765013	0.000765013	4.47178E-06	0.009589875	0.003240389	0.234314665	0.034629744	9.73484E-06	25.41345787	5.09822E-05	0.001542638	0.000344268	0.001591173
2105 Dec	249.1203461	0.149213478	0.208384007	0.00490514	44.38343811	0.0462787	85.48867798	0.000764989	0.000764989	4.47173E-06	0.009590659	0.003240732	0.234342903	0.034632772	9.73543E-06	25.41555214	5.09876E-05	0.001542811	0.000344296	0.001591275
2106 Jan	249.1240692	0.149212465	0.208382338	0.004905103	44.38311005	0.046278417	85.49048615	0.000764985	0.000764985	4.47173E-06	0.009590803	0.003240794	0.234348044	0.034633327	9.73554E-06	25.41593742	5.09885E-05	0.001542843	0.000344301	0.001591293
2106 Feb	249.1251068	0.149212494	0.208382308	0.004905103	44.38311005	0.046278428	85.49094391	0.000764985	0.000764985	4.47174E-06	0.009590843	0.003240811	0.23434931	0.034633484	9.73557E-06	25.41604996	5.09888E-05	0.001542851	0.000344302	0.001591299
2106 Mar	249.1281433	0.149214134	0.208384573	0.004905156	44.38359451	0.046278931	85.49201202	0.000764994	0.000764994	4.47179E-06	0.00959096	0.003240851	0.234352261	0.034633916	9.73569E-06	25.41636276	5.09894E-05	0.00154287	0.000344307	0.001591319
2106 Apr	249.1598816	0.149233118	0.208411083	0.00490578	44.38924408	0.046284821	85.5029068	0.000765091	0.000765091	4.47236E-06	0.009592181	0.003241264	0.234382123	0.034638327	9.73693E-06	25.41960144	5.09959E-05	0.001543067	0.000344351	0.001591521
2106 May	249.4028015	0.149217308	0.208373725	0.004905016	44.38531876	0.046284266	85.61100006	0.000765114	0.000765114	4.47334E-06	0.009601661	0.003245158	0.234685361	0.034675729	9.74466E-06	25.44603348	5.10561E-05	0.001544985	0.000344716	0.001592864
2106 Jun	249.5058136	0.148672879	0.207536876	0.004886184	44.2582283	0.046190146	85.72258759	0.000763066	0.000763066	4.46402E-06	0.00960754	0.003249411	0.235007122	0.034710843	9.74263E-06	25.46852875	5.11167E-05	0.001547092	0.000345105	0.001592899
2106 Jul	249.9593658	0.148661152	0.207496881	0.004885666	44.27338409	0.046226364	85.91471863	0.000763364	0.000763364	4.467E-06	0.009625909	0.003256606	0.235542297	0.034780461	9.75769E-06	25.51779747	5.12282E-05	0.001550583	0.000345788	0.001595459
2106 Aug	250.2808228	0.148466483	0.207197055	0.004879133	44.23962784	0.046219878	86.07715607	0.000762788	0.000762788	4.4654E-06	0.009638892	0.003262527	0.235999882	0.034832291	9.76646E-06	25.55316162	5.13171E-05	0.001553507	0.000346271	0.001597021
2106 Sep	250.5583191	0.14812161	0.206669271	0.004867339	44.15654373	0.046164531	86.24576569	0.000761515	0.000761515	4.46041E-06	0.009650502	0.003268456	0.236481845	0.034879968	9.77226E-06	25.58494377	5.14051E-05	0.001556497	0.000346688	0.001598137
2106 Oct	250.7893677	0.147963628	0.206420451	0.004861776	44.11486816	0.046134498	86.37049866	0.000760923	0.000760923	4.45847E-06	0.009659849	0.003272792	0.236836672	0.034916587	9.77822E-06	25.609869	5.14713E-05	0.001558685	0.000347012	0.001599211
2106 Nov	250.8318787	0.147964522	0.206420034	0.004861783	44.11510086	0.046135295	86.38905334	0.00076094	0.00076094	4.45871E-06	0.009661495	0.003273452	0.236888751	0.034922786	9.77962E-06	25.61424828	5.14816E-05	0.001559012	0.00034707	0.001599446
2106 Dec	250.8439789	0.147962525	0.206416681	0.004861708	44.11444855	0.046134777	86.39472961	0.000760935	0.000760935	4.45873E-06	0.009661961	0.003273649	0.236904785	0.034924563	9.77999E-06	25.61548996	5.14847E-05	0.001559111	0.000347086	0.00159951
2107 Jan	250.8467407	0.147961974	0.206415758	0.004861688	44.11426926	0.046134628	86.39605713	0.000760933	0.000760933	4.45873E-06	0.009662068	0.003273695	0.236908525	0.03492498	9.78008E-06	25.61577797	5.14854E-05	0.001559134	0.00034709	0.001599524
2107 Feb	250.8489227	0.147963062	0.206417263	0.004861724	44.11458969	0.046134967	86.3968277	0.000760939	0.000760939	4.45877E-06	0.009662152	0.003273724	0.236910671	0.034925289	9.78016E-06	25.61600304	5.14858E-05	0.001559148	0.000347093	0.001599538
2107 Mar	250.8557434	0.14796707	0.206422865	0.004861855	44.11578751	0.046136219	86.39917755	0.000760959	0.000760959	4.45889E-06	0.009662414	0.003273813	0.236917078	0.034926236	9.78043E-06	25.61669922	5.14872E-05	0.00155919	0.000347103	0.001599581
2107 Apr	250.8716583	0.147976473	0.206435964	0.004862164	44.11859131	0.046139151	86.40465546	0.000761008	0.000761008	4.45917E-06	0.009663029	0.003274021	0.236932129	0.034928456	9.78105E-06	25.61832809	5.14905E-05	0.001559289	0.000347125	0.001599683
2107 May	250.938858	0.147937372	0.206369072	0.00486071	44.11249161	0.046138313	86.43691254	0.000760911	0.000760911	4.45894E-06	0.009665834	0.003275293	0.237021923	0.034941375	9.78285E-06	25.62743378	5.15091E-05	0.001559894	0.000347266	0.001600044
2107 Jun	251.0690155	0.147702828	0.205996543	0.004852438	44.0659256	0.046113156	86.51779175	0.000760133	0.000760133	4.45568E-06	0.009671832	0.003278529	0.237249464	0.034972373	9.78479E-06	25.64863968	5.15551E-05	0.001561441	0.000347616	0.001600592
2107 Jul	251.4636536	0.147672713	0.205931261	0.004851254	44.07205582	0.046136796	86.6884613	0.000760278	0.000760278	4.45773E-06	0.009687531	0.003284892	0.237725362	0.03503393	9.79757E-06	25.69209862	5.16522E-05	0.001564528	0.000348223	0.001602803
2107 Aug	251.8600159	0.147731259	0.205999643	0.004853074	44.09872437	0.046175487	86.84899902	0.000760754	0.000760754	4.46136E-06	0.009702961	0.003290856	0.238171205	0.035092838	9.81123E-06	25.73410988	5.1744E-05	0.001567418	0.0003488	0.00160511
2107 Sep	252.1396027	0.147668824	0.205892101	0.004850786	44.09039307	0.046180379	86.97796631	0.000760606	0.000760606	4.46164E-06	0.009713887	0.003295511	0.238532797	0.03513559	9.81965E-06	25.76387215	5.18151E-05	0.001569721	0.000349205	0.001606579
2107 Oct	252.3841858	0.147450015	0.205551729	0.004843111	44.03264236	0.046135485	87.11737823	0.000759734	0.000759734	4.45843E-06	0.009723722	0.00330033	0.238930061	0.035175808	9.82529E-06	25.79092216	5.18885E-05	0.001572166	0.000349568	0.001607646
2107 Nov	252.4949951	0.147353053	0.205399781	0.00483968	44.00556564	0.046113268	87.18071747	0.000759345	0.000759345	4.45701E-06	0.009728223	0.003302509	0.239110813	0.035194013	9.82789E-06	25.8032074	5.19218E-05	0.001573272	0.000349731	0.001608136
2107 Dec	252.5103912	0.14734979	0.205394328	0.004839558	44.00450516	0.046112344	87.18804932	0.000759334	0.000759334	4.45701E-06	0.009728816	0.003302763	0.23913154	0.035196312	9.82835E-06	25.80480385	5.19258E-05	0.0015734	0.000349753	0.001608216
2108 Jan	252.5150146	0.14734906	0.205393046	0.00483953	44.0042572	0.046112146	87.19020081	0.000759332	0.000759332	4.45702E-06	0.009728995	0.003302839	0.23913762	0.035197005	9.82849E-06	25.80528641	5.1927E-05	0.001573438	0.000349759	0.00160824
2108 Feb	252.5161743	0.147349343	0.205393419	0.004839539	44.00434494	0.046112236	87.1906662	0.000759334	0.000759334	4.45703E-06	0.00972904	0.003302856	0.239138901	0.035197176	9.82853E-06	25.80541039	5.19273E-05	0.001573446	0.000349761	0.001608247
2108 Mar	252.5239258	0.147353843	0.205399692	0.004839686	44.00568771	0.046113644	87.19333649	0.000759357	0.000759357	4.45717E-06	0.009729338	0.003302957	0.239146233	0.03519826	9.82883E-06	25.80620384	5.19288E-05	0.001573494	0.000349772	0.001608297
2108 Apr	252.5852661	0.147389561	0.205449432	0.004840859	44.01640701	0.046124913	87.21451569	0.000759541	0.000759541	4.45825E-06	0.0097317	0.00330376	0.239204302	0.035206821	9.83122E-06	25.81247902	5.19415E-05	0.001573876	0.000349857	0.001608687

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2108 May	252.7204437	0.147461593	0.205548689	0.004843208	44.03868866	0.046148892	87.26190948	0.000759919	0.000759919	4.4605E-06	0.009736907	0.003305561	0.2393343	0.035225976	9.83639E-06	25.82648849	5.19696E-05	0.001574735	0.000350049	0.001609541
2108 Jun	252.8353271	0.147227913	0.205189332	0.004835303	43.99135208	0.046124309	87.33785248	0.000759196	0.000759196	4.45748E-06	0.009742945	0.003308496	0.239550725	0.035250749	9.83831E-06	25.84299088	5.20144E-05	0.001576167	0.000350296	0.001609967
2108 Jul	253.294342	0.147330031	0.205318034	0.004838611	44.03192139	0.04617897	87.51805878	0.000759959	0.000759959	4.46269E-06	0.009761396	0.003315257	0.240050659	0.035318092	9.85476E-06	25.8913269	5.21205E-05	0.001579429	0.000350953	0.001612695
2108 Aug	253.7529755	0.147481576	0.205521464	0.004843565	44.08462906	0.046242755	87.69221497	0.000760865	0.000760865	4.46855E-06	0.009779298	0.003321763	0.240532234	0.035383698	9.87147E-06	25.93861008	5.22221E-05	0.001582569	0.000351592	0.001615456
2108 Sep	253.9891663	0.147418439	0.205418289	0.004841374	44.07635117	0.046247236	87.80240631	0.000760713	0.000760713	4.46866E-06	0.009788672	0.00332572	0.240841717	0.035419147	9.87856E-06	25.96315956	5.22834E-05	0.001584539	0.00035192	0.001616667
2108 Oct	254.1340027	0.147063211	0.204872131	0.004829041	43.98424911	0.046177015	87.91801453	0.00075924	0.00075924	4.46227E-06	0.009795337	0.003329596	0.241176277	0.03544597	9.87966E-06	25.97991371	5.23423E-05	0.00158656	0.000352128	0.001616995
2108 Nov	254.2332458	0.146992877	0.204758808	0.004826507	43.96429062	0.046161618	87.97245026	0.000758973	0.000758973	4.46138E-06	0.009799499	0.003331478	0.241331443	0.03546175	9.88221E-06	25.99066544	5.23715E-05	0.001587512	0.000352266	0.001617457
2108 Dec	254.2468262	0.146990567	0.204754651	0.004826416	43.96350098	0.046161003	87.9788208	0.000758967	0.000758967	4.4614E-06	0.009800038	0.003331701	0.241349459	0.035463773	9.88263E-06	25.99207878	5.2375E-05	0.001587623	0.000352284	0.001617529
2109 Jan	254.2488251	0.146990374	0.204754248	0.004826408	43.9634285	0.046160959	87.97974396	0.000758967	0.000758967	4.46141E-06	0.009800118	0.003331734	0.241352037	0.035464074	9.8827E-06	25.99228859	5.23755E-05	0.00158764	0.000352287	0.00161754
2109 Feb	254.2505493	0.146991178	0.204755336	0.004826434	43.96366882	0.046161216	87.98036194	0.000758971	0.000758971	4.46144E-06	0.009800184	0.003331757	0.241353765	0.03546432	9.88276E-06	25.99246979	5.23759E-05	0.001587651	0.00035229	0.001617551
2109 Mar	254.2590179	0.146996081	0.204762161	0.004826595	43.96512985	0.046162751	87.98329163	0.000758996	0.000758996	4.46159E-06	0.00980051	0.003331868	0.241361797	0.035465505	9.88309E-06	25.99333763	5.23777E-05	0.001587704	0.000352301	0.001617605
2109 Apr	254.3005981	0.147020131	0.204795644	0.004827384	43.97232437	0.046170305	87.99767303	0.00075912	0.00075912	4.46232E-06	0.009802113	0.003332413	0.24140127	0.035471309	9.88471E-06	25.99759293	5.23862E-05	0.001587963	0.000352359	0.001617869
2109 May	254.4178925	0.146975756	0.204712898	0.004825626	43.96667862	0.046172459	88.0510025	0.000759055	0.000759055	4.4624E-06	0.009807098	0.003334531	0.241549388	0.035493273	9.88814E-06	26.01323318	5.24176E-05	0.001588964	0.000352599	0.001618534
2109 Jun	254.6211853	0.146843553	0.204484284	0.004820685	43.94568253	0.046169944	88.14945984	0.00075875	0.00075875	4.46164E-06	0.009816032	0.003338473	0.241823554	0.035533417	9.89359E-06	26.04158974	5.24757E-05	0.001590826	0.000353041	0.001619637
2109 Jul	254.9765167	0.146812037	0.204415202	0.004819429	43.95333862	0.046197038	88.30239105	0.000758887	0.000758887	4.4635E-06	0.009830316	0.00334424	0.242249012	0.035589434	9.90508E-06	26.08113289	5.25634E-05	0.00159361	0.000353597	0.001621639
2109 Aug	255.3756866	0.14678283	0.204351291	0.004818287	43.95756912	0.046218507	88.47577667	0.00075905	0.00075905	4.46568E-06	0.009846227	0.00335069	0.242733002	0.03565155	9.91813E-06	26.12495995	5.26613E-05	0.00159673	0.000354203	0.001623897
2109 Sep	255.6925964	0.146548003	0.203986302	0.004810137	43.90325546	0.046184827	88.64661407	0.000758171	0.000758171	4.46266E-06	0.009858805	0.003356705	0.243217081	0.035702791	9.92599E-06	26.15960693	5.27522E-05	0.001599754	0.000354672	0.001625348
2109 Oct	255.8939514	0.146106258	0.203300327	0.004794626	43.78571701	0.046093225	88.80036163	0.000756327	0.000756327	4.45474E-06	0.009867747	0.003361903	0.243660867	0.035740644	9.92796E-06	26.18371964	5.28297E-05	0.001602435	0.000354982	0.001625909
2109 Nov	256.0141602	0.146053463	0.203212619	0.004792668	43.76982498	0.046080749	88.86177063	0.000756127	0.000756127	4.45424E-06	0.009872582	0.003364031	0.243835106	0.035759188	9.93133E-06	26.19650078	5.28627E-05	0.001603505	0.000355148	0.001626507
2109 Dec	256.0614319	0.146038145	0.203187406	0.004792102	43.76480865	0.046076331	88.8852005	0.000756069	0.000756069	4.45414E-06	0.009874435	0.003364838	0.243901521	0.035766326	9.9327E-06	26.2014389	5.28752E-05	0.001603913	0.000355212	0.001626747
2110 Jan	256.065033	0.146038383	0.20318757	0.004792107	43.76485825	0.046076421	88.8867569	0.000756071	0.000756071	4.45416E-06	0.009874575	0.003364894	0.243905902	0.035766859	9.93282E-06	26.20181274	5.28761E-05	0.00160394	0.000355217	0.001626767
2110 Feb	256.0681152	0.146039203	0.203188628	0.004792132	43.76510239	0.046076689	88.8879776	0.000756075	0.000756075	4.4542E-06	0.009874694	0.003364938	0.243909284	0.035767302	9.93293E-06	26.20213127	5.28768E-05	0.001603962	0.000355222	0.001626785
2110 Mar	256.0741882	0.146042645	0.203193396	0.004792245	43.76612854	0.046077773	88.89009094	0.000756093	0.000756093	4.4543E-06	0.009874928	0.003365018	0.243915066	0.035768151	9.93316E-06	26.20275497	5.28781E-05	0.001604	0.00035523	0.001626824
2110 Apr	256.0995178	0.146057099	0.203213483	0.004792719	43.77045822	0.046082329	88.89887238	0.000756168	0.000756168	4.45474E-06	0.009875905	0.003365351	0.243939176	0.03577169	9.93415E-06	26.20534515	5.28833E-05	0.001604158	0.000355265	0.001626985
2110 May	256.782135	0.145833731	0.202863306	0.004784769	43.70197678	0.046019301	89.23620605	0.000755271	0.000755271	4.45303E-06	0.009901879	0.003376935	0.244894624	0.0358744	9.95363E-06	26.27606773	5.30639E-05	0.001610029	0.000356213	0.001630384
2110 Jun	257.1508179	0.145225763	0.201934591	0.004763734	43.55297089	0.045899309	89.47740936	0.000752867	0.000752867	4.44299E-06	0.009917029	0.003385517	0.245582953	0.035947859	9.95903E-06	26.32474518	5.31921E-05	0.001614366	0.00035696	0.001631714
2110 Jul	257.5180359	0.145240948	0.201940939	0.004764171	43.57299042	0.045935452	89.62943268	0.00075318	0.00075318	4.44573E-06	0.009931571	0.003391208	0.246005103	0.036003411	9.97133E-06	26.36409378	5.32801E-05	0.001617128	0.000357508	0.001633801
2110 Aug	257.8579407	0.144651666	0.201061577	0.004744497	43.43309402	0.0458376	89.8559494	0.000751061	0.000751061	4.43701E-06	0.009946092	0.003399272	0.246654287	0.036067415	9.97716E-06	26.40581894	5.33978E-05	0.001621159	0.000358086	0.00163505
2110 Sep	258.0527039	0.144188583	0.200351894	0.004728567	43.31773376	0.045756888	90.00643921	0.000749249	0.000749249	4.4292E-06	0.009954876	0.003404474	0.24708876	0.036104772	9.97909E-06	26.42960548	5.3473E-05	0.001623811	0.000358382	0.001635573
2110 Oct	258.2409363	0.143786907	0.19971779	0.004714305	43.20798874	0.045673966	90.14962769	0.000747613	0.000747613	4.42222E-06	0.009963705	0.003409331	0.247502938	0.036139678	9.98131E-06	26.45210457	5.3545E-05	0.001626299	0.000358648	0.001636141
2110 Nov	258.3138733	0.143676072	0.199542239	0.004710345	43.17742538	0.045650572	90.19877625	0.000747147	0.000747147	4.42031E-06	0.009966877	0.003410987	0.24764432	0.036152054	9.98253E-06	26.46018791	5.35701E-05	0.001627151	0.000358746	0.001636401
2110 Dec	258.3259277	0.143674314	0.199538827	0.004710271	43.1767807	0.045650125	90.20441437	0.000747142	0.000747142	4.42033E-06	0.009967355	0.003411184	0.247660264	0.036153838	9.98291E-06	26.46143723	5.35731E-05	0.001627249	0.000358762	0.001636466
2111 Jan	258.3288574	0.143673897	0.199538007	0.004710254	43.17662811	0.04565002	90.20578003	0.000747141	0.000747141	4.42033E-06	0.009967471	0.003411232	0.247664109	0.036154274	9.983E-06	26.4617424	5.35739E-05	0.001627273	0.000358766	0.001636482
2111 Feb	258.3308716	0.143673614	0.199537441	0.004710242	43.17652512	0.045649946	90.20672607	0.000747141	0.000747141	4.42034E-06	0.009967551	0.003411265	0.247666761	0.036154583	9.98306E-06	26.46195984	5.35744E-05	0.00162729	0.000358769	0.001636492
2111 Mar	258.3431091	0.143680245	0.19954662	0.004710459	43.17851257	0.045652051	90.21102142	0.000747175	0.000747175	4.42054E-06	0.009968022	0.003411427	0.247678548	0.036156297	9.98353E-06	26.46321297	5.35769E-05	0.001627367	0.000358786	0.00163657
2111 Apr	258.3898926	0.143706277	0.199582756	0.004711312	43.18633652	0.045660321	90.22735596	0.000747311	0.000747311	4.42134E-06	0.009969828	0.003412045	0.24772343	0.036162846	9.98534E-06	26.46800613	5.35866E-05	0.001627662	0.000358851	0.001636866
2111 May	258.5144348	0.143710196	0.199573383	0.004711212	43.19072723	0.045669187	90.27835083	0.000747438	0.000747438	4.42238E-06	0.009974984	0.003414048	0.247864574	0.036184117	9.98954E-06	26.4833889	5.36168E-05	0.001628604	0.000359078	0.001637624
2111 Jun	258.583252	0.14336507	0.199017003	0.004698808	43.1125145	0.045616299	90.34602356	0.000746258	0.000746258	4.41701E-06	0.00997954	0.003416971	0.248056978	0.036213066	9.98854E-06	26.50315285	5.36561E-05	0.001629954	0.000359434	0.001637808
2111 Jul	259.0498962	0.143500835	0.199189171	0.004703074	43.16012192	0.045674983	90.52482605	0.000747135	0.000747135	4.42278E-06	0.00999802	0.003423732	0.248551399	0.036282428	1.00054E-05	26.5532589	5.37611E-05	0.001633194	0.000360127	0.001640643
2111 Aug	259.2728882	0.143247664	0.19879888	0.004694458	43.11075211	0.045655131	90.65211487	0.000746278	0.000746278	4.4195E-06	0.010007265	0.003428418	0.248911321	0.036322102	1.00103E-05	26.57985497	5.38289E-05	0.001635503	0.000360498	0.001641613
2111 Sep	259.5216675	0.143062592	0.198508918	0.004688043	43.06862259	0.045631956	90.78539276	0.000745644	0.000745644	4.4174E-06	0.010017322	0.003433174	0.249289319	0.036362872	1.00167E-05	26.60771179	5.38996E-05	0.001637873	0.000360867	0.001642774
2111 Oct	259.6868896	0.142741457	0.198013768	0.004676845	42.98451614	0.045567639	90.90542603	0.000744297	0.000744297	4.41168E-06	0.010024312	0.003437216	0.249635249	0.036392387	1.00187E-05	26.62661171	5.39596E-05	0.001639965	0.000361105	0.001643261
2111 Nov	259.7880554	0.142557248	0.197723538	0.004670291	42.9335022	0.045527663	90.97813416	0.000743523	0.000743523	4.40841E-06	0.010028783	0.003439658	0.249845028	0.036410317	1.00201E-05	26.63823509	5.39962E-05	0.001641224	0.000361246	0.001643587
2111 Dec	259.8080444	0.142551154	0.197712988	0.004670057	42.93148041	0.045526057	90.98796844	0.000743501	0.000743501	4.40839E-06	0.010029585	0.00344	0.249872893	0.036413353	1.00207E-05	26.64034653	5.40015E-05	0.001641396	0.000361274	0.001643669
2112 Jan	259.8145752	0.142549366	0.197709948	0.004669989	42.93087769	0.045525551	90.99115753	0.000743495	0.000743495	4.40838E-06	0.010029842	0.00344011	0.249881938	0.036414336	1.00209E-05	26.64103127	5.40032E-05	0.001641451	0.000361282	0.001643724
2112 Feb	259.8179321	0.142549902	0.197710544	0.004670004	42.93102646	0.045525733	90.99253845	0.000743499	0.000743499	4.40841E-06	0.010029972	0.003440161	0.249885812	0.036414828	1.0021E-05	26.64138222	5.4004E-05	0.001641476	0.000361287	0.001643743
2112 Mar	259.8321838	0.142557696	0.197721317	0.004670259	42.93336868	0.045528214	90.99753571	0.000743539	0.000743539	4.40865E-06	0.010030522	0.00344035	0.249899521	0.036416829	1.00215E-05	26.64284706	5.4007E-05	0.001641566	0.000361307	0.001643833
2112 Apr	259.8728943	0.142580017	0.197752282	0.00467099	42.94009399	0.045535345	91.01178741	0.000743656	0.000743656	4.40934E-06	0.010032093	0.003440889	0.249938667	0.03642254	1.00231E-05	26.64702225	5.40154E-05	0.001641823	0.000361364	0.001644091
2112 May	260.3180847	0.142394707	0.197448909	0.0046642	42.88654709	0.045489661	91.23375702	0.000743019	0.000743019	4.40797E-06	0.010049719	0.00344875	0.250566661	0.036494914	1.00357E-05	26.69735527	5.4136E-05	0.001645739	0.000362064	0.001646366
2112 Jun	260.2067261	0.141619563	0.19626236	0.004637346	42.70182419	0.045344267	91.27986145	0.000739971	0.000739971	4.39315E-06	0.010047695	0.003450808	0.250707686	0.036508989	1.00241E-05	26.704216	5.41582E-05	0.001646746	0.0003623	0.001645018
2112 Jul	260.5787659	0.141476795	0.196026459	0.004632336	42.67745972	0.045339771	91.45455933	0.000739742	0.000739742	4.39338E-06	0.010063468	0.003457386	0.251198143	0.036571965	1.00354E-05	26.74840736	5.42594E-05	0.001649935	0.000362936	0.00164702
2112 Aug	261.0350342	0.141506061	0.196050674	0.004633169	42.69714737	0.04537284	91.64521027	0.000740116	0.000740116	4.39675E-06	0.010081283	0.003464402	0.251729399	0.036640193	1.00507E-05	26.79684067	5.43679E-05	0.001653361	0.000363602	0.001649609
2112 Sep	261.5566101	0.141266629	0.195683986	0.004624959	42.63643265	0.045326315	91.90795898	0.000739262	0.000739262	4.39462E-06	0.010101498	0.00347358	0.252473474	0.036721315	1.00651E-05	26.85254097	5.45096E-05	0.001657987	0.000364359	0.001652149
2112 Oct	261.870697	0.141068771	0.195383564	0.004618136	42.58354187	0.045282416	92.07621002	0.000738435	0.000738435	4.39186E-06	0.010113478	0.003479309	0.252951801	0.036769584	1.0073E-05	26.88511276	5.45982E-05	0.001660921	0.000364794	0.001653564
2112 Nov	261.9570618	0.14103511	0.195331216	0.004616953	42.57408142	0.045274489	92.11954498	0.000738299	0.000738299	4.39154E-06	0.010116776	0.003480795	0.253074586	0.036782548	1.00754E-05	26.89399719	5.46214E-05	0.001661676	0.000364912	0.001653984
2112 Dec	261.9684753	0.141034901	0.19533062	0.004616942	42.57398987	0.045274463	92.12463379	0.0007383	0.0007383	4.39159E-06	0.010117208	0.003480973	0.253088892	0.036784202	1.00758E-05	26.89515495	5.46242E-05	0.001661766	0.000364927	0.001654045
2113 Jan	261.9705811	0.141034588	0.195330068	0.004616929	42.57387924	0.045274362	92.12561798	0.000738299	0.000738299	4.39159E-06	0.010117287	0.003481007	0.253091693	0.036784511	1.00759E-05	26.89537048	5.46247E-05	0.001661783	0.00036493	0.001654056
2113 Feb	261.9723816	0.141035497	0.195331335	0.004616959	42.57415771	0.045274656	92.12625122	0.000738304	0.000738304	4.39162E-06	0.010117356	0.003481031	0.253093392	0.036784764	1.00759E-05	26.8955574	5.46251E-05	0.001661794	0.000364933	0.001654068
2113 Mar	261.9985046	0.141045779	0.195345402	0.004617293	42.57724762	0.045277975	92.13607788	0.000738359	0.000738359	4.39197E-06	0.01011836	0.003481394	0.253120601	0.036788464	1.00769E-05	26.89823151	5.46308E-05	0.00166197	0.000364969	0.001654226
2113 Apr	262.0506287	0.141063884	0.195370108	0.00461788	42.58267975	0.045283828	92.15608978	0.000738456	0.000738456	4.39261E-06	0.010120351	0.003482127	0.253176093	0.03679584	1.00788E-05	26.90354156	5.46423E-05	0.001662327	0.000365041	0.001654538
2113 May	262.3778076	0.140987739	0.195245013	0.004615097	42.56370163	0.045269229	92.30958557	0.000738219	0.000738219	4.39267E-06	0.010132849	0.003487576	0.253608048	0.036846906	1.00885E-05	26.93915558	5.47264E-05	0.001665044	0.000365541	0.001656247
2113 Jun	262.5240479	0.140628919	0.194693193	0.004602654	42.48433304	0.045211937	92.41571045	0.00073685	0.00073685	4.38668E-06	0.010139156	0.003491576	0.253909498	0.03688271	1.00893E-05	26.96284294	5.47839E-05	0.001667026	0.000365942	0.001656686
2113 Jul	262.9259949	0.140696213	0.194774032	0.004604787	42.51688004	0.045258295	92.57584381	0.000737384	0.000737384	4.39058E-06	0.010154833	0.003497587	0.254352927	0.036942758	1.01032E-05	27.00570869	5.48765E-05	0.001669928	0.000366539	0.001659041
2113 Aug	263.3140259	0.140710458	0.194779545	0.004605161	42.5338707	0.045289375	92.73857117	0.000737658	0.000737658	4.39321E-06	0.010169836	0.003503603	0.254805624	0.037001196	1.01161E-05	27.04703903	5.49686E-05	0.001672858	0.000367112	0.001661234
2113 Sep	263.571991	0.14049767	0.194451049	0.004597809	42.48595047	0.045259621	92.87989807	0.000736846	0.000736846	4.39029E-06	0.010179985	0.003508584	0.255206138	0.037043538	1.01222E-05	27.0755825	5.50436E-05	0.001675369	0.000367504	0.001662376
2113 Oct	263.7813416	0.140015244	0.193704471	0.004580883	42.3553009	0.045153689	93.04385376	0.000734804	0.000734804	4.38147E-06	0.010189182	0.003514079	0.255680174	0.037083425	1.01239E-05	27.10092545	5.51257E-05	0.00167822	0.000367832	0.001662918
2113 Nov	263.9556885	0.139864743	0.193461567	0.004575412	42.31025314	0.045115951	93.14429474	0.000734199	0.000734199	4.37929E-06	0.010196493	0.003517524	0.255967349	0.037112106	1.01281E-05	27.12039185	5.51786E-05	0.001679966	0.000368084	0.001663705
2113 Dec	263.9717102	0.139862329	0.193456963	0.004575312	42.30937576	0.045115281	93.1517868	0.000734193	0.000734193	4.37932E-06	0.010197125	0.003517786	0.255988479	0.037114501	1.01286E-05	27.12206841	5.51827E-05	0.001680097	0.000368106	0.00166379
2114 Jan	263.9752808	0.139861971	0.193456188	0.004575296	42.30923462	0.045115184	93.15343475	0.000734192	0.000734192	4.37932E-06	0.010197266	0.003517844	0.255993128	0.037115037	1.01287E-05	27.12244797	5.51836E-05	0.001680126	0.000368111	0.00166381
2114 Feb	263.9777222	0.139861748	0.193455711	0.004575286	42.3091507	0.045115124	93.15454865	0.000734191	0.000734191	4.37933E-06	0.010197362	0.003517883	0.255996287	0.037115403	1.01288E-05	27.12270355	5.51842E-05	0.001680146	0.000368114	0.001663823
2114 Mar	263.9898682	0.139867574	0.193463713	0.004575475	42.31090927	0.045117009	93.15892792	0.000734222	0.000734222	4.37952E-06	0.010197831	0.003518048	0.256008327	0.03711712	1.01292E-05	27.12395477	5.51868E-05	0.001680224	0.000368131	0.001663899
2114 Apr	264.028717	0.139879301	0.193479195	0.004575847	42.31437302	0.045120854	93.17414093	0.000734288	0.000734288	4.37997E-06	0.010199328	0.003518604	0.256050587	0.037122671	1.01306E-05	27.12794495	5.51955E-05	0.001680495	0.000368185	0.00166413
2114 May	264.4954529	0.139626682	0.193078384	0.004566783	42.24325562	0.045059256	93.41654205	0.000733296	0.000733296	4.377E-06	0.010217535	0.003527052	0.256737828	0.037198085	1.01429E-05	27.17975044	5.53254E-05	0.001684752	0.000368903	0.001666387
2114 Jun	264.7676086	0.13948442	0.192837968	0.004561537	42.22097015	0.04505555	93.54716492	0.000732908	0.000732908	4.37608E-06	0.010228654	0.003532062	0.257102221	0.037247576	1.01502E-05	27.21440697	5.54E-05	0.001687172	0.000369433	0.001667813
2114 Jul	265.2538757	0.139636248	0.193038046	0.004566424	42.27651596	0.045123857	93.73209381	0.000733819	0.000733819	4.38204E-06	0.01024749	0.003539008	0.257612646	0.037318245	1.01677E-05	27.26527977	5.55078E-05	0.001690518	0.000370133	0.001670736
2114 Aug	265.7424622	0.139792472	0.193245888	0.004571457	42.33003616	0.045187451	93.91874695	0.000734727	0.000734727	4.38802E-06	0.010266321	0.003545965	0.258128673	0.037388802	1.01853E-05	27.31609535	5.56158E-05	0.001693878	0.000370829	0.001673671
2114 Sep	265.9299927	0.139613733	0.192967772	0.004565241	42.29391098	0.045170553	94.0239563	0.000734014	0.000734014	4.3853E-06	0.010273629	0.003549678	0.258426189	0.037419472	1.01894E-05	27.33655548	5.5671E-05	0.001695759	0.000371107	0.001674448
2114 Oct	266.1756592	0.139319524	0.192507252	0.004554823	42.21560287	0.045109559	94.17591095	0.00073277	0.00073277	4.38033E-06	0.010283614	0.003554848	0.258860767	0.037460592	1.01941E-05	27.36376572	5.57495E-05	0.001698412	0.000371464	0.001675404
2114 Nov	266.4738464	0.139011413	0.192024305	0.004543851	42.12633514	0.045033175	94.35601044	0.00073144	0.00073144	4.37519E-06	0.010295646	0.003560896	0.259376585	0.037508998	1.02004E-05	27.395998	5.58424E-05	0.001701527	0.00037188	0.001676621
2114 Dec	266.5202637	0.138989031	0.191988498	0.004543039	42.11930084	0.045026854	94.38020325	0.000731346	0.000731346	4.37492E-06	0.010297459	0.003561719	0.259445399	0.037516072	1.02016E-05	27.40083504	5.58552E-05	0.001701946	0.000371943	0.001676844
2115 Jan	266.5289307	0.138987273	0.191985562	0.004542972	42.11870956	0.045026325	94.38435364	0.000731339	0.000731339	4.37492E-06	0.01029779	0.003561861	0.259457141	0.037517346	1.02019E-05	27.40172386	5.58574E-05	0.001702018	0.000371955	0.001676889
2115 Feb	266.5317383	0.138987795	0.191986203	0.004542988	42.11885834	0.0450265	94.38549805	0.000731342	0.000731342	4.37494E-06	0.010297897	0.003561903	0.25946033	0.03751776	1.0202E-05	27.40201569	5.58581E-05	0.001702039	0.000371959	0.001676905
2115 Mar	266.5379944	0.138990879	0.191990405	0.004543087	42.11978531	0.045027491	94.38773346	0.000731358	0.000731358	4.37504E-06	0.010298138	0.003561987	0.259466499	0.037518643	1.02022E-05	27.40266037	5.58594E-05	0.001702079	0.000371967	0.001676944

Appendix D.2-25: Discovery

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2115 Apr	266.578186	0.13901177	0.192019254	0.004543771	42.12611771	0.045034263	94.40197754	0.000731468	0.000731468	4.3757E-06	0.010299692	0.003562525	0.25950563	0.037524305	1.02038E-05	27.40679359	5.58678E-05	0.001702336	0.000372024	0.001677197
2115 May	266.6838379	0.138937086	0.191893011	0.004540985	42.11210251	0.045028068	94.45509338	0.000731237	0.000731237	4.37496E-06	0.010304069	0.00356458	0.259653986	0.03754485	1.02064E-05	27.42118263	5.5898E-05	0.001703324	0.000372249	0.001677742
2115 Jun	267.0545654	0.138919026	0.191833332	0.004539875	42.11677933	0.045044642	94.61354828	0.000731397	0.000731397	4.377E-06	0.010318902	0.003570573	0.260094762	0.037605591	1.02183E-05	27.4645195	5.59892E-05	0.00170621	0.000372878	0.001679873
2115 Jul	267.5281372	0.139033705	0.191979483	0.004543516	42.16310501	0.045105588	94.79855347	0.000732124	0.000732124	4.38205E-06	0.010337139	0.003577479	0.260606259	0.037674718	1.02349E-05	27.5139904	5.60957E-05	0.00170955	0.000373559	0.001682668
2115 Aug	267.7322388	0.138802305	0.191629499	0.004535723	42.12045288	0.045090258	94.91605377	0.000731244	0.000731244	4.37858E-06	0.010344936	0.003581684	0.260938108	0.037708867	1.0239E-05	27.53644371	5.61563E-05	0.001711663	0.000373868	0.001683483
2115 Sep	268.0531006	0.138631523	0.191361636	0.004529792	42.08132172	0.045068346	95.07961273	0.000730658	0.000730658	4.37697E-06	0.01035747	0.003587477	0.261400759	0.037759602	1.02478E-05	27.5712986	5.62432E-05	0.001714557	0.000374333	0.001685043
2115 Oct	268.3206177	0.138482615	0.191131085	0.004524596	42.04147339	0.045037445	95.21977997	0.000730065	0.000730065	4.37516E-06	0.010367746	0.0035923	0.26179871	0.037800852	1.02548E-05	27.59939003	5.63169E-05	0.001717003	0.000374704	0.0016863
2115 Nov	268.4775085	0.13832964	0.19089435	0.004519222	41.99835968	0.045001525	95.31281281	0.000729411	0.000729411	4.37266E-06	0.010373929	0.003595429	0.262064874	0.037825868	1.02583E-05	27.61603928	5.63646E-05	0.001718613	0.000374918	0.001686946
2115 Dec	268.5252991	0.138310045	0.190863386	0.004518521	41.9923439	0.044996269	95.33712006	0.000729331	0.000729331	4.37246E-06	0.010375768	0.003596259	0.262133926	0.037833057	1.02596E-05	27.62097549	5.63774E-05	0.001719035	0.000374982	0.001687179
2116 Jan	268.5307617	0.138309285	0.190862045	0.004518492	41.99208832	0.044996057	95.33966827	0.000729329	0.000729329	4.37247E-06	0.010375977	0.003596347	0.262141109	0.037833862	1.02598E-05	27.62153816	5.63788E-05	0.001719079	0.000374989	0.001687208
2116 Feb	268.5352478	0.138310626	0.190863818	0.004518535	41.99248886	0.0449965	95.34142303	0.000729336	0.000729336	4.37252E-06	0.010376149	0.003596412	0.262145966	0.037834514	1.02599E-05	27.62200356	5.63798E-05	0.00171911	0.000374996	0.001687235
2116 Mar	268.5423584	0.1383138	0.190868139	0.004518637	41.99344635	0.044997536	95.34402466	0.000729353	0.000729353	4.37263E-06	0.010376423	0.003596509	0.262153119	0.037835523	1.02602E-05	27.62273788	5.63813E-05	0.001719157	0.000375006	0.001687279
2116 Apr	268.5801086	0.138333172	0.190894857	0.00451927	41.9993248	0.045003835	95.35743713	0.000729455	0.000729455	4.37324E-06	0.010377882	0.003597015	0.262190044	0.037840843	1.02616E-05	27.62662315	5.63893E-05	0.001719399	0.000375059	0.001687516
2116 May	269.2431641	0.138096631	0.190526277	0.004510889	41.92824936	0.044937309	95.68664551	0.000728514	0.000728514	4.37124E-06	0.010402958	0.003608368	0.263122261	0.037942544	1.02803E-05	27.69672775	5.65651E-05	0.001725143	0.000376014	0.001690811
2116 Jun	269.1918335	0.137511075	0.189641014	0.004490782	41.79403305	0.044833243	95.73569489	0.000726128	0.000726128	4.35972E-06	0.01040184	0.00361033	0.263267577	0.037956074	1.02722E-05	27.70350838	5.65882E-05	0.001726147	0.00037622	0.001689889
2116 Jul	269.6581726	0.137627587	0.189788431	0.004494493	41.84072876	0.04489357	95.91571808	0.00072693	0.00072693	4.36511E-06	0.010420231	0.003617147	0.263765067	0.038025592	1.02888E-05	27.75352669	5.66941E-05	0.001729423	0.000376917	0.001692681
2116 Aug	270.0611572	0.13773644	0.189929128	0.004497973	41.88201523	0.044945728	96.07122803	0.000727622	0.000727622	4.36976E-06	0.010435887	0.003622985	0.264195025	0.038084753	1.03032E-05	27.79608345	5.67844E-05	0.001732238	0.000377504	0.001695085
2116 Sep	270.162262	0.137493432	0.189553887	0.00448955	41.8292923	0.0449147	96.14690399	0.000726641	0.000726641	4.36547E-06	0.010440262	0.003625667	0.264411181	0.038104825	1.03038E-05	27.80883598	5.68234E-05	0.001733611	0.000377684	0.001695325
2116 Oct	270.3171692	0.137174189	0.189045891	0.004478098	41.74158096	0.044845648	96.26233673	0.000725328	0.000725328	4.35987E-06	0.010447511	0.003629618	0.264744312	0.038134754	1.03056E-05	27.82837677	5.68828E-05	0.001735633	0.000377936	0.001695812
2116 Nov	270.4385986	0.137113124	0.188943312	0.004475807	41.72242355	0.044829722	96.32554626	0.0007251	0.0007251	4.35926E-06	0.010452514	0.003631816	0.26492399	0.038154032	1.0309E-05	27.84171295	5.69168E-05	0.001736736	0.00037811	0.001696417
2116 Dec	270.4496155	0.137110099	0.188938156	0.004475691	41.72138977	0.044828806	96.33091736	0.000725089	0.000725089	4.35924E-06	0.010452948	0.003632002	0.264939219	0.03815569	1.03093E-05	27.8428669	5.69197E-05	0.00173683	0.000378125	0.001696473
2117 Jan	270.4545593	0.137108579	0.188935623	0.004475635	41.7208786	0.044828348	96.33335114	0.000725083	0.000725083	4.35924E-06	0.010453142	0.003632086	0.264946103	0.038156442	1.03094E-05	27.8433876	5.6921E-05	0.001736872	0.000378132	0.001696499
2117 Feb	270.4570923	0.137107968	0.18893455	0.00447561	41.72066879	0.044828158	96.33459473	0.000725081	0.000725081	4.35923E-06	0.010453242	0.003632129	0.26494959	0.03815683	1.03095E-05	27.84365845	5.69217E-05	0.001736894	0.000378136	0.001696512
2117 Mar	270.4656982	0.137112036	0.188940108	0.004475742	41.72190094	0.044829484	96.33770752	0.000725103	0.000725103	4.35937E-06	0.010453574	0.003632246	0.264958173	0.038158052	1.03099E-05	27.84454727	5.69235E-05	0.00173695	0.000378148	0.001696565
2117 Apr	270.5149231	0.137136936	0.188974425	0.004476556	41.72948074	0.044837631	96.3552475	0.000725234	0.000725234	4.36016E-06	0.010455477	0.003632907	0.265006423	0.038164996	1.03117E-05	27.849617	5.69339E-05	0.001737266	0.000378217	0.001696874
2117 May	270.6445313	0.137135044	0.188957185	0.004476274	41.73417664	0.044848058	96.40893555	0.000725326	0.000725326	4.36103E-06	0.010460732	0.003634999	0.265154898	0.038186837	1.0316E-05	27.8652935	5.69654E-05	0.001738259	0.000378449	0.001697639
2117 Jun	270.821167	0.137016177	0.188751489	0.004471811	41.71562195	0.044846106	96.49502563	0.000725024	0.000725024	4.36018E-06	0.01046838	0.003638434	0.26539439	0.038221739	1.03205E-05	27.88989639	5.70158E-05	0.001739888	0.000378834	0.001698583
2117 Jul	271.2652588	0.137141317	0.188910499	0.004475762	41.7624588	0.044905871	96.66545105	0.000725826	0.000725826	4.36549E-06	0.010485791	0.00364487	0.265865117	0.038287297	1.03365E-05	27.9371109	5.71152E-05	0.001742976	0.000379486	0.001701262
2117 Aug	271.6107483	0.137162223	0.188921109	0.004476259	41.78076553	0.044938825	96.80860901	0.000726116	0.000726116	4.36805E-06	0.010499311	0.003650213	0.26626268	0.038339615	1.0348E-05	27.97427368	5.71967E-05	0.001745566	0.00038	0.001703238
2117 Sep	271.84198	0.137112141	0.188831493	0.004474369	41.77521515	0.044945151	96.91442871	0.000726011	0.000726011	4.36836E-06	0.010508402	0.003654068	0.266558826	0.038375482	1.0355E-05	27.99933815	5.72554E-05	0.001747465	0.000380344	0.001704464
2117 Oct	271.964447	0.136932671	0.188547164	0.004467971	41.72811127	0.04490976	96.99402618	0.000725286	0.000725286	4.36539E-06	0.010513687	0.003656835	0.266786754	0.038397688	1.03571E-05	28.01407051	5.72968E-05	0.001748868	0.000380542	0.001704932
2117 Nov	272.0220642	0.136876062	0.188456208	0.004465927	41.7128067	0.044898242	97.02774811	0.000725058	0.000725058	4.36453E-06	0.010516088	0.003658002	0.266882896	0.038407341	1.03584E-05	28.02057648	5.73145E-05	0.001749459	0.000380627	0.001705181
2117 Dec	272.036499	0.136870757	0.188447267	0.004465729	41.71123886	0.04489702	97.03491211	0.000725039	0.000725039	4.36449E-06	0.010516666	0.003658253	0.266903162	0.038409591	1.03588E-05	28.02213669	5.73184E-05	0.001749584	0.000380648	0.001705255
2118 Jan	272.0398865	0.13687028	0.188446343	0.004465709	41.7110672	0.044896889	97.03648376	0.000725038	0.000725038	4.3645E-06	0.0105168	0.003658308	0.266907632	0.038410112	1.03589E-05	28.02250481	5.73192E-05	0.001749612	0.000380653	0.001705274
2118 Feb	272.0428772	0.136870265	0.188446119	0.004465704	41.71104431	0.044896893	97.03779602	0.000725039	0.000725039	4.36452E-06	0.010516916	0.003658356	0.266911298	0.038410563	1.0359E-05	28.02282333	5.732E-05	0.001749635	0.000380657	0.00170529
2118 Mar	272.0477905	0.136872128	0.188448608	0.004465764	41.71160126	0.044897508	97.03964996	0.000725049	0.000725049	4.36458E-06	0.010517107	0.003658425	0.266916424	0.038411275	1.03592E-05	28.02333832	5.7321E-05	0.001749668	0.000380664	0.00170532
2118 Apr	272.0823669	0.136885837	0.18846637	0.00446619	41.71601486	0.044902433	97.05236053	0.000725126	0.000725126	4.36506E-06	0.010518441	0.00365891	0.266951352	0.038416468	1.03605E-05	28.02711868	5.73285E-05	0.001749899	0.000380718	0.001705536
2118 May	272.1142273	0.136730358	0.188208804	0.004460445	41.68146133	0.044878107	97.08102417	0.000724621	0.000724621	4.36276E-06	0.010520522	0.003660301	0.267031372	0.038432878	1.036E-05	28.03871155	5.7346E-05	0.001750506	0.000380943	0.001705676
2118 Jun	271.9163513	0.136303827	0.187546611	0.004445517	41.59122467	0.044817034	97.04032898	0.000722969	0.000722969	4.35416E-06	0.010514298	0.003659376	0.266918987	0.038424402	1.03491E-05	28.03139305	5.73238E-05	0.001749974	0.000380959	0.001704245
2118 Jul	272.397583	0.136486694	0.187787265	0.004451364	41.65327072	0.044889957	97.21774292	0.000724063	0.000724063	4.36098E-06	0.010533241	0.00366616	0.267407447	0.038495507	1.03669E-05	28.08304405	5.7429E-05	0.001753204	0.000381677	0.00170723
2118 Aug	272.6809998	0.136325896	0.18752259	0.004445629	41.62576294	0.044884633	97.35630798	0.000723659	0.000723659	4.36005E-06	0.010544939	0.003671443	0.267795712	0.038546171	1.03747E-05	28.11847496	5.75066E-05	0.00175575	0.000382197	0.001708712
2118 Sep	272.8028259	0.135861799	0.186801687	0.004429378	41.50758743	0.044795245	97.47345734	0.000721807	0.000721807	4.35177E-06	0.010550967	0.00367557	0.268135399	0.038576722	1.0374E-05	28.13791466	5.75648E-05	0.001757847	0.000382472	0.001708874
2118 Oct	273.0945129	0.1354312	0.186118722	0.004413932	41.38472366	0.04469391	97.66781616	0.000720004	0.000720004	4.3444E-06	0.010563528	0.00368216	0.26869449	0.038628347	1.0379E-05	28.17210197	5.76642E-05	0.001761224	0.000382911	0.00170996
2118 Nov	273.4845276	0.135196447	0.185747609	0.004405495	41.31188583	0.04462786	97.87853241	0.000719003	0.000719003	4.34114E-06	0.0105788	0.003689291	0.269295067	0.038688701	1.03891E-05	28.21317101	5.77749E-05	0.001764868	0.000383446	0.001711769
2118 Dec	273.5641174	0.13516672	0.185701221	0.004404434	41.30221939	0.044618525	97.91880798	0.000718873	0.000718873	4.34083E-06	0.010581816	0.003690654	0.269409448	0.038700536	1.03913E-05	28.22128105	5.77962E-05	0.001765564	0.000383553	0.001712156
2119 Jan	273.5679626	0.135166526	0.185700804	0.004404425	41.3021431	0.044618476	97.92055511	0.000718873	0.000718873	4.34084E-06	0.010581961	0.003690715	0.269414335	0.038701095	1.03914E-05	28.22167397	5.77971E-05	0.001765595	0.000383558	0.001712177
2119 Feb	273.5713501	0.135167107	0.185701519	0.004404442	41.30231094	0.044618666	97.92194366	0.000718876	0.000718876	4.34087E-06	0.01058209	0.003690765	0.26941824	0.038701586	1.03915E-05	28.22202301	5.77979E-05	0.001765619	0.000383562	0.001712196
2119 Mar	273.5863342	0.135174334	0.185711429	0.004404678	41.30451584	0.04462105	97.92733765	0.000718915	0.000718915	4.3411E-06	0.01058267	0.003690968	0.269433081	0.03870371	1.03921E-05	28.22356987	5.78011E-05	0.001765717	0.000383584	0.00171229
2119 Apr	273.6640015	0.135197625	0.1857391	0.004405348	41.31254959	0.044630237	97.95674133	0.00071905	0.00071905	4.342E-06	0.010585626	0.003692099	0.269513905	0.038715959	1.03948E-05	28.23246193	5.78182E-05	0.001766254	0.000383714	0.001712768
2119 May	273.7089844	0.134910151	0.18527101	0.004394695	41.24539566	0.044574872	98.00704193	0.000717905	0.000717905	4.33668E-06	0.010587593	0.003694354	0.269654214	0.038742572	1.03927E-05	28.25084305	5.78447E-05	0.001767283	0.000384097	0.001712855
2119 Jun	273.8145447	0.134694979	0.184925675	0.004386962	41.2039032	0.044551305	98.07449341	0.000717124	0.000717124	4.3333E-06	0.010592123	0.003697105	0.269842386	0.038770359	1.03936E-05	28.26984978	5.78826E-05	0.001768594	0.000384434	0.001713276
2119 Jul	274.3130798	0.134830028	0.185096323	0.004391183	41.25360107	0.044612601	98.26648712	0.00071799	0.00071799	4.3391E-06	0.010611603	0.003704355	0.270372897	0.038844895	1.04114E-05	28.32357597	5.79949E-05	0.001772077	0.000385186	0.001716276
2119 Aug	274.7459412	0.134811029	0.185045421	0.004390291	41.26528549	0.044642601	98.45218658	0.000718121	0.000718121	4.3412E-06	0.010628228	0.003711223	0.270889699	0.038911454	1.04251E-05	28.37057304	5.80991E-05	0.001775433	0.000385845	0.001718667
2119 Sep	274.9899292	0.134523541	0.184601933	0.004380278	41.19424057	0.04458946	98.59867859	0.00071697	0.00071697	4.33665E-06	0.010637836	0.003716347	0.271307141	0.038954433	1.04299E-05	28.39937973	5.81749E-05	0.001778031	0.000386248	0.001719647
2119 Oct	275.1296997	0.134282544	0.184226409	0.004371759	41.13030243	0.044539087	98.69598389	0.000715928	0.000715928	4.33225E-06	0.010643573	0.003719624	0.271586716	0.038979299	1.04318E-05	28.41550636	5.82238E-05	0.001779728	0.000386459	0.001720092
2119 Nov	275.2792358	0.134138361	0.183999211	0.004366599	41.08824158	0.044502933	98.78459167	0.000715308	0.000715308	4.32989E-06	0.010649563	0.003722614	0.271840245	0.039003659	1.0435E-05	28.4318428	5.82695E-05	0.001781263	0.000386672	0.001720719
2119 Dec	275.3047485	0.134130523	0.183986351	0.004366309	41.08562469	0.0445005	98.79717255	0.000715277	0.000715277	4.32984E-06	0.010650549	0.003723047	0.271875918	0.039007522	1.04358E-05	28.43451881	5.82763E-05	0.001781482	0.000386707	0.001720848

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	3.0E-04	7.9E-09	2.8E-03	6.5E-03	1.6E-04	4.4E-07	1.3E-02	2.3E-06	1.2E-05	7.5E-07	2.1E-07	1.0E-07	2.6E-04	1.7E-09	1.3E-07	1.7E-06	1.3E-06	5.5E-08
Operations (2020-2043): Mean	3.5E-02	3.8E-05	3.0E+01	2.0E+01	2.0E-01	9.9E-03	3.2E+02	1.3E-02	6.8E-03	1.1E-04	3.7E-03	1.3E-03	1.5E+00	5.2E-06	9.0E-03	1.2E-03	2.6E-03	8.0E-03
Operations (2020-2043): Max	5.5E-02	4.7E-05	3.7E+01	2.7E+01	2.7E-01	0.0153	5.0E+02	2.0E-02	3.5E-02	2.5E-04	4.8E-03	1.6E-03	2.1E+00	7.9E-06	1.1E-02	3.7E-03	4.6E-03	9.6E-03
Active Closure (2044-2050): Min	1.5E-02	2.6E-06	3.2E+00	2.7E+00	1.8E-02	8.3E-04	1.8E+01	1.4E-03	3.5E-03	4.3E-05	3.2E-04	1.4E-04	1.5E-01	2.3E-06	7.3E-04	1.4E-04	9.6E-04	4.9E-04
Active Closure (2044-2050): Mean	1.7E-02	6.6E-06	6.1E+00	4.6E+00	3.7E-02	1.8E-03	4.0E+01	2.7E-03	4.3E-03	5.1E-05	6.9E-04	2.7E-04	2.9E-01	2.6E-06	1.6E-03	2.2E-04	1.1E-03	1.4E-03
Active Closure (2044-2050): Max	3.5E-02	4.0E-05	3.1E+01	2.1E+01	2.0E-01	9.6E-03	2.3E+02	1.3E-02	4.4E-03	1.1E-04	3.8E-03	1.4E-03	1.5E+00	5.1E-06	9.4E-03	9.4E-04	2.4E-03	8.5E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Post Closure (2051-2119): Min	1.5E-02	2.6E-06	3.4E+00	2.8E+00	1.9E-02	9.0E-04	1.9E+01	1.5E-03	4.4E-03	4.4E-05	3.5E-04	1.5E-04	1.6E-01	2.3E-06	8.0E-04	1.4E-04	9.7E-04	5.2E-04
Post Closure (2051-2119): Mean	3.0E-02	4.8E-06	1.1E+01	8.1E+00	7.1E-02	3.3E-03	5.7E+01	4.6E-03	4.9E-03	8.9E-05	1.3E-03	4.9E-04	5.4E-01	3.2E-06	3.0E-03	4.2E-04	1.5E-03	1.6E-03
Post Closure (2051-2119): Max	4.2E-02	6.7E-06	1.7E+01	1.2E+01	1.1E-01	5.3E-03	8.8E+01	7.2E-03	5.2E-03	1.3E-04	2.1E-03	7.7E-04	8.6E-01	3.9E-06	4.9E-03	6.4E-04	1.9E-03	2.7E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions (2020-2119)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0.00029652	7.90698E-09	0.002756668	0.006494315	0.000162566	4.42599E-07	0.013366753	2.28375E-06	1.17755E-05	7.49271E-07	2.09785E-07	1.04258E-07	0.000264417	1.669E-09	1.33529E-07	1.72491E-06	1.29364E-06	5.47868E-08
2031 Feb	0.001414605	3.73371E-08	0.01259395	0.030280795	0.000765914	1.32458E-06	0.050528396	9.95059E-06	5.30242E-05	3.56235E-06	8.88517E-07	4.86946E-07	0.001180912	7.5608E-09	4.31418E-07	7.90948E-06	5.85979E-06	5.83961E-08
2031 Mar	0.002693762	7.09988E-08	0.023836587	0.057479113	0.001455978	2.31692E-06	0.092762738	1.87019E-05	0.000100148	6.78043E-06	1.66265E-06	9.24544E-07	0.002227732	1.42929E-08	7.67859E-07	1.49782E-05	1.10771E-05	5.82197E-08
2031 Apr	0.003813828	1.00475E-07	0.033681881	0.081295885	0.002060232	3.18716E-06	0.129766405	2.63664E-05	0.000141417	9.59829E-06	2.34068E-06	1.30773E-06	0.00314449	2.01883E-08	1.0628E-06	2.11684E-05	1.56461E-05	5.84039E-08
2031 May	0.03130554	1.47094E-05	11.17398643	7.77293396	0.080692045	0.003465175	133.7033234	0.004811094	0.001942556	0.000124427	0.001380871	0.000495126	0.559148788	1.90981E-06	0.00335641	0.000449053	0.000963205	0.003028468
2031 Jun	0.050643753	4.00094E-05	30.66203499	20.76540565	0.203498021	0.009578579	369.4478455	0.013099741	0.00419148	0.000182181	0.003810347	0.001353486	1.520002365	5.14064E-06	0.009295714	0.001045953	0.002563948	0.008395441
2031 Jul	0.042226262	4.22703E-05	32.57062531	21.88228989	0.210543856	0.010199797	393.3316345	0.013874345	0.003987209	0.000139367	0.004049315	0.001435594	1.610300064	5.40491E-06	0.009902859	0.001041615	0.002656274	0.008946791
2031 Aug	0.028613642	4.29768E-05	33.7010231	22.46571732	0.212416112	0.010593875	408.1842346	0.014279551	0.00316263	9.06756E-05	0.004176606	0.001483396	1.662528634	5.42776E-06	0.010282033	0.000977705	0.002534419	0.009294386
2031 Sep	0.027433695	4.2598E-05	33.31729507	22.21022415	0.208155587	0.010508387	403.4828186	0.014113079	0.003409508	6.91396E-05	0.004116941	0.001464834	1.643503547	5.38909E-06	0.010164976	0.000943642	0.002474447	0.009185513
2031 Oct	0.030338364	3.97061E-05	30.71758461	20.5368557	0.191789284	0.009706851	371.5343018	0.013036561	0.003814585	6.20618E-05	0.00378821	0.001349451	1.516299963	5.06039E-06	0.009359612	0.000878479	0.00232737	0.00845292
2031 Nov	0.030503659	3.95559E-05	30.58013535	20.44842148	0.190937236	0.00966419	369.8417969	0.012979889	0.003834706	6.18204E-05	0.003770866	0.001343378	1.509575486	5.04358E-06	0.009316909	0.000875079	0.002320196	0.008414094
2031 Dec	0.030554682	3.95371E-05	30.56062508	20.43618393	0.190817282	0.009658195	369.5987244	0.012972004	0.00384088	6.17937E-05	0.003768369	0.001342513	1.50862658	5.04174E-06	0.00931077	0.000874645	0.002319489	0.008408491
2032 Jan	0.030633783	3.95242E-05	30.54802132	20.42907715	0.190771565	0.009654141	369.4388123	0.012967004	0.003844812	6.19393E-05	0.00376675	0.001341954	1.508035064	5.04041E-06	0.009306697	0.000874682	0.002319041	0.008404776
2032 Feb	0.030717932	3.95171E-05	30.54152298	20.42613792	0.190775305	0.009651903	369.3535461	0.012964531	0.003847262	6.21546E-05	0.003765905	0.001341665	1.507749557	5.03969E-06	0.009304497	0.000874978	0.00231886	0.008402767
2032 Mar	0.030766979	3.95178E-05	30.541502	20.4268837	0.190799162	0.009651798	369.3496399	0.012964675	0.003849029	6.22783E-05	0.003765879	0.001341661	1.507767439	5.03987E-06	0.009304371	0.000875239	0.002319027	0.008402642

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Apr	0.030821407	3.95531E-05	30.56843567	20.44532204	0.190980762	0.009660254	369.6733398	0.012976194	0.003853407	6.2402E-05	0.003769187	0.001342843	1.509107709	5.04442E-06	0.00931251	0.000876156	0.002321166	0.008409984
2032 May	0.031116804	3.97928E-05	30.77249146	20.58422089	0.192471787	0.009722553	372.1442566	0.013062418	0.003850538	6.49715E-05	0.003794854	0.001351941	1.519269943	5.07317E-06	0.009374591	0.000884124	0.002335616	0.00846627
2032 Jun	0.033003971	3.85824E-05	29.51649094	19.72403145	0.186635107	0.009262178	356.7145996	0.012572929	0.003762576	8.46696E-05	0.003676663	0.001299148	1.456223726	4.94996E-06	0.008985751	0.000915857	0.002461519	0.008117479
2032 Jul	0.027316496	4.1592E-05	32.47958755	21.61652756	0.202976137	0.010211569	393.5118713	0.0137621	0.003157189	7.54004E-05	0.004022372	0.001428899	1.601138234	5.26443E-06	0.009913154	0.000913887	0.002433517	0.008960955
2032 Aug	0.024877975	4.17804E-05	32.72301865	21.77594376	0.204260245	0.010305122	396.4409485	0.013857004	0.003036649	6.83065E-05	0.004046214	0.001439764	1.613361359	5.27949E-06	0.009986817	0.000912437	0.002420083	0.009027317
2032 Sep	0.023773367	4.24141E-05	33.36173248	22.19534111	0.208119825	0.010514388	404.3109131	0.01411607	0.002991623	6.63201E-05	0.00412502	0.001467436	1.644868493	5.34481E-06	0.010186099	0.000931676	0.002443085	0.009207563
2032 Oct	0.024365056	4.213E-05	33.13278198	22.05362892	0.206675097	0.010446884	401.5208435	0.014019301	0.003078304	6.56657E-05	0.004096204	0.00145687	1.633784652	5.30979E-06	0.010116271	0.000929435	0.00242694	0.009143577
2032 Nov	0.024898278	4.18419E-05	32.86346817	21.88315582	0.205006957	0.010364325	398.1960144	0.013908596	0.003145788	6.51945E-05	0.004062065	0.001444866	1.620662332	5.27822E-06	0.010032464	0.000923757	0.002413658	0.009067165
2032 Dec	0.02549275	4.14296E-05	32.48446655	21.64123154	0.202659607	0.010247429	393.5255432	0.013752417	0.003219921	6.45431E-05	0.004014166	0.001428039	1.60215795	5.23228E-06	0.009914698	0.000915157	0.002394164	0.008959946
2033 Jan	0.025637196	4.14046E-05	32.46011734	21.62735558	0.202566013	0.010239623	393.2171631	0.013742734	0.003227435	6.47975E-05	0.004011041	0.001426958	1.601011395	5.22972E-06	0.009906851	0.000915176	0.002393284	0.008952787
2033 Feb	0.025787754	4.1394E-05	32.44997025	21.62305832	0.202580094	0.010236106	393.0825806	0.013738939	0.00323217	6.51762E-05	0.00400971	0.001426505	1.600572586	5.2287E-06	0.009903369	0.000915733	0.002393084	0.008949603
2033 Mar	0.025879607	4.1404E-05	32.45672989	21.62890244	0.202664495	0.010238063	393.1580505	0.013742073	0.003235976	6.54073E-05	0.004010503	0.001426798	1.600939512	5.23013E-06	0.009905221	0.000916383	0.002393881	0.008951256
2033 Apr	0.025979841	4.14862E-05	32.5206337	21.67225075	0.203087553	0.01025812	393.9284668	0.013769282	0.003244132	6.56601E-05	0.004018376	0.001429605	1.604110599	5.24062E-06	0.009924603	0.000918449	0.002398765	0.008968759
2033 May	0.049521755	3.87013E-05	29.80004692	20.28112221	0.19830136	0.009384682	360.4985046	0.012761327	0.004289909	0.000175725	0.003686776	0.001314673	1.483200669	4.981E-06	0.009034414	0.001009201	0.002395621	0.008079621
2033 Jun	0.042566743	4.11951E-05	31.97916222	21.7479248	0.210706398	0.010192916	391.7509766	0.013790778	0.004518005	0.000156761	0.003988984	0.00140985	1.600153923	5.32503E-06	0.009730675	0.001110696	0.002615484	0.008500506
2033 Jul	0.028201997	4.36894E-05	34.29058456	22.86771202	0.215936258	0.010802669	416.3328857	0.014552225	0.003284933	8.91035E-05	0.004256759	0.001508988	1.693635106	5.52513E-06	0.010468497	0.001004744	0.002592298	0.009419288
2033 Aug	0.024226082	4.42099E-05	34.933918	23.22865677	0.21850507	0.010997721	423.8974609	0.014779902	0.002915619	7.76563E-05	0.004329412	0.001536876	1.722696185	5.5565E-06	0.010674194	0.000986738	0.002556225	0.009637957
2033 Sep	0.028206961	4.007E-05	31.15890884	20.80178833	0.19451189	0.009838746	377.116272	0.013211936	0.003547041	6.2816E-05	0.003845921	0.001369322	1.537579536	5.0893E-06	0.009500204	0.000885571	0.002336974	0.008581516
2033 Oct	0.029056793	3.94125E-05	30.57234955	20.42679977	0.190838873	0.009658512	369.8944092	0.012968396	0.003660206	6.14255E-05	0.003771706	0.001343162	1.508904099	5.01399E-06	0.009318591	0.000872262	0.002303439	0.008416793
2033 Nov	0.030350257	3.88259E-05	29.98536682	20.05582809	0.18722342	0.009477568	362.6060486	0.012729771	0.00381638	6.05781E-05	0.00369691	0.001317181	1.480304599	4.95385E-06	0.00913455	0.0008588	0.002279518	0.008248998
2033 Dec	0.030374005	3.88204E-05	29.97897148	20.05189896	0.187184289	0.00947562	362.5256653	0.012727226	0.003819262	6.05706E-05	0.003696083	0.001316897	1.479995012	4.95339E-06	0.009132518	0.00085867	0.002279364	0.008247138
2034 Jan	0.030404367	3.88147E-05	29.97348213	20.04874229	0.187162831	0.009473859	362.4563904	0.012725033	0.003820744	6.06261E-05	0.003695381	0.001316653	1.47973609	4.95278E-06	0.009130755	0.000858668	0.002279147	0.00824553
2034 Feb	0.030434011	3.88085E-05	29.9683609	20.04586601	0.187147975	0.009472176	362.3920288	0.012722976	0.003821374	6.07037E-05	0.003694733	0.001316427	1.479497433	4.95207E-06	0.009129111	0.00085871	0.00227888	0.00824403
2034 Mar	0.030451125	3.88064E-05	29.96647263	20.04491615	0.18714571	0.009471557	362.3681946	0.012722251	0.003821893	6.07483E-05	0.003694493	0.001316343	1.479413152	4.95184E-06	0.00912849	0.000858765	0.002278809	0.008243447
2034 Apr	0.030495981	3.88498E-05	29.999897	20.06746674	0.187360063	0.009482122	362.7721252	0.012736498	0.003826642	6.08441E-05	0.003698611	0.00131781	1.481069565	4.95741E-06	0.009138647	0.000859792	0.002281397	0.008252594
2034 May	0.035780258	3.70855E-05	28.7657795	19.67338181	0.189098909	0.009671643	353.8757324	0.012930062	0.006951976	0.000100856	0.003589543	0.00125132	1.474685073	5.09344E-06	0.008780592	0.0011627	0.002496281	0.00793083
2034 Jun	0.044454619	3.30585E-05	26.59446144	19.97435951	0.211740091	0.011751044	358.3106079	0.015336187	0.021247728	0.000214504	0.003544461	0.0010958	1.618513465	6.23511E-06	0.00825383	0.002609921	0.003733328	0.007424379
2034 Jul	0.037577521	4.40089E-05	35.10063171	26.69568825	0.26755324	0.015307385	494.570343	0.019686041	0.024987595	0.000175065	0.004709261	0.001475992	2.121060371	7.91461E-06	0.010934739	0.003089218	0.004580494	0.008152273
2034 Aug	0.031369373	4.22319E-05	33.8323555	25.0099411	0.248822883	0.014008567	461.4727478	0.01813155	0.020105172	0.000146222	0.004464407	0.001430864	1.973091125	7.19265E-06	0.010505367	0.002606148	0.004029888	0.008368901
2034 Sep	0.032376975	3.25535E-05	26.57788467	20.59332275	0.215405405	0.012950352	375.6022644	0.016550506	0.026790056	0.000151536	0.003612086	0.001070371	1.714718819	6.77672E-06	0.008338783	0.003045666	0.004086946	0.007169807
2034 Oct	0.034184638	2.73876E-05	22.76601791	18.88278961	0.206147298	0.013096723	343.9739685	0.016511867	0.033746053	0.000172878	0.003232443	0.000872377	1.64517343	6.92734E-06	0.00723816	0.00361995	0.004447497	0.006147118
2034 Nov	0.034452282	2.74551E-05	22.84646034	19.07006836	0.208461612	0.013281544	347.8210754	0.016722556	0.034540255	0.000176338	0.003256685	0.00087371	1.663880825	7.02044E-06	0.007271213	0.003699834	0.00452484	0.006091383
2034 Dec	0.03448328	2.74797E-05	22.86386871	19.086689	0.20861122	0.013290186	348.1499939	0.016732946	0.034556683	0.000176432	0.003259265	0.000874509	1.665071368	7.02484E-06	0.007276658	0.003701708	0.004527598	0.006089894
2035 Jan	0.034518071	2.74869E-05	22.86890793	19.09328842	0.208684236	0.013294088	348.2750549	0.016737593	0.034569111	0.000176554	0.003260148	0.000874725	1.665563941	7.02688E-06	0.007278254	0.003703082	0.004529111	0.006088293
2035 Feb	0.034557853	2.74922E-05	22.873106	19.09879303	0.208754346	0.013297361	348.3735962	0.016741628	0.034579813	0.000176704	0.003260872	0.000874896	1.665982962	7.02857E-06	0.007279564	0.003704369	0.004530392	0.006087379
2035 Mar	0.034588788	2.75028E-05	22.88166618	19.10732269	0.208849192	0.013302267	348.5351257	0.016747702	0.034591414	0.000176839	0.003262175	0.000875261	1.666637778	7.03099E-06	0.007282248	0.003705826	0.004532047	0.006087184
2035 Apr	0.034652025	2.75514E-05	22.92121696	19.14075089	0.209201142	0.013322857	349.163147	0.016773572	0.034636151	0.00017715	0.003267786	0.000876884	1.669354796	7.04148E-06	0.0072947	0.00371106	0.004538677	0.006093702
2035 May	0.037038885	2.78135E-05	23.09828568	19.27179337	0.211216584	0.0133257	350.9040527	0.016803799	0.034460247	0.000189989	0.003287823	0.000886488	1.675274253	7.05046E-06	0.007340941	0.003709734	0.004544732	0.006116139
2035 Jun	0.047487956	2.53583E-05	20.73186302	17.25570297	0.196274996	0.011807716	308.927887	0.015114503	0.031153435	0.00024811	0.002963464	0.000796245	1.498543859	6.41876E-06	0.006551506	0.003433159	0.00429215	0.005767554
2035 Jul	0.038579833	4.23018E-05	33.62872696	25.12132072	0.253456771	0.014259531	465.5889893	0.018478168	0.022339365	0.000174432	0.004479146	0.001416319	1.995976567	7.42888E-06	0.010443472	0.002827319	0.004314476	0.007986601
2035 Aug	0.030014331	4.73754E-05	37.3023262	26.80784416	0.257343799	0.013835001	501.7710266	0.018039981	0.013359515	0.000118396	0.004823212	0.001623615	2.039664984	7.02089E-06	0.01149221	0.00203974	0.003688433	0.008256884
2035 Sep	0.039863463	3.77272E-05	29.41341972	22.12524605	0.22037369	0.012582319	407.5555725	0.016227791	0.020925485	0.000129357	0.003889033	0.001236073	1.751541257	6.66827E-06	0.009112539	0.002469232	0.003792974	0.006886946
2035 Oct	0.040008571	3.60202E-05	27.98873329	21.0205307	0.209088013	0.011927987	386.1282654	0.015394951	0.019941354	0.000122436	0.003692788	0.001175647	1.661952496	6.34735E-06	0.008665288	0.002332037	0.003600903	0.006623265
2035 Nov	0.038920779	3.75897E-05	29.15721512	21.59981346	0.212190017	0.011896363	397.8082886	0.015407312	0.01776142	0.000115778	0.003815046	0.001238	1.685545683	6.29092E-06	0.009004913	0.002158772	0.003488894	0.006801329
2035 Dec	0.039035853	3.75978E-05	29.15654373	21.61184692	0.212321833	0.011907605	398.0800476	0.015419535	0.017826671	0.000116021	0.003816019	0.001237889	1.686625361	6.29819E-06	0.009005001	0.002164261	0.003494984	0.006788134
2036 Jan	0.039078873	3.76067E-05	29.16179085	21.61727333	0.212376177	0.011909588	398.1849976	0.015422053	0.017829975	0.000116111	0.003816763	0.001238153	1.68695569	6.29938E-06	0.009006521	0.002164687	0.003495718	0.006786326
2036 Feb	0.039115585	3.76038E-05	29.15909958	21.61588097	0.212375998	0.011908376	398.1447754	0.015420719	0.017829608	0.000116201	0.003816389	0.001238038	1.686812758	6.29894E-06	0.00900559	0.002164686	0.003495519	0.006785613
2036 Mar	0.03913559	3.76024E-05	29.1577282	21.61519051	0.212376505	0.011907753	398.1240845	0.015420043	0.017829465	0.000116251	0.003816197	0.001237979	1.68674016	6.29872E-06	0.009005112	0.002164692	0.003495421	0.006785248
2036 Apr	0.039226338	3.76707E-05	29.21432877	21.64680481	0.212693036	0.011915376	398.6409607	0.015433059	0.017780632	0.00011653	0.00382241	0.001240623	1.688681483	6.30162E-06	0.009021773	0.002162165	0.003494683	0.006805207
2036 May	0.039581124	3.79129E-05	29.41078758	21.75879669	0.213815823	0.011944639	400.4785156	0.015481708	0.017631065	0.000117948	0.003844252	0.001249796	1.695671916	6.31435E-06	0.009079642	0.002154892	0.003494505	0.006873093
2036 Jun	0.033914063	4.07397E-05	31.43786621	21.43124771	0.204560727	0.010445497	389.8782959	0.014010549	0.006687663	9.55344E-05	0.003956676	0.001374251	1.603095531	5.51829E-06	0.009605062	0.001234944	0.002810464	0.008393276
2036 Jul	0.029594311	4.31602E-05	33.57807159	22.35760689	0.210102484	0.010553966	406.6927185	0.014241593	0.003432563	7.98271E-05	0.004163015	0.001477313	1.655456781	5.47694E-06	0.010244729	0.000959457	0.002565491	0.009259207
2036 Aug	0.026497215	4.38052E-05	34.35810471	22.85278893	0.214597419	0.010808223	416.4151917	0.014546822	0.00314282	7.60004E-05	0.004254971	0.001511531	1.693650365	5.52915E-06	0.010490607	0.000964934	0.002549147	0.009483499
2036 Sep	0.023825197	4.2426E-05	33.43615723	22.24461365	0.208560839	0.010538989	405.3095398	0.014142316	0.002999978	6.67381E-05	0.004135732	0.001470237	1.648534179	5.33922E-06	0.010212054	0.000937585	0.002440453	0.009230955
2036 Oct	0.033145003	3.87171E-05	29.67862892	19.88598061	0.185392708	0.009387861	358.5819092	0.012617146	0.004155336	6.05736E-05	0.003655134	0.001303408	1.465776443	4.96441E-06	0.009032428	0.000855389	0.002290751	0.008154185
2036 Nov	0.0308866	3.92737E-05	30.31573486	20.27895927	0.189292744	0.00958232	366.5797119	0.01287125	0.003882179	6.13112E-05	0.0037374	0.001331684	1.4966501	5.01267E-06	0.009234594	0.00086855	0.002307089	0.008339197
2036 Dec	0.030532036	3.93038E-05	30.36812592	20.30935478	0.189608812	0.00959792	367.2545471	0.012891186	0.003839174	6.13379E-05	0.00374438	0.001334025	1.499155402	5.01331E-06	0.009251692	0.000869341	0.00230655	0.00835498
2037 Jan	0.030670591	3.92813E-05	30.34618568	20.29698944	0.189529195	0.009590864	366.9760742	0.01288249	0.003846134	6.15914E-05	0.003741561	0.001333051	1.498125911	5.01102E-06	0.009244601	0.000869405	0.00230578	0.008348511
2037 Feb	0.030816045	3.92711E-05	30.33649635	20.29291916	0.189544588	0.009587488	366.8474426	0.012878863	0.003850503	6.1963E-05	0.003740291	0.001332619	1.497707963	5.01002E-06	0.009241272	0.000869954	0.002305578	0.008345466
2037 Mar	0.030908519	3.92821E-05	30.34400558	20.29925919	0.189632997	0.009589691	366.9320068	0.012882317	0.003854515	6.21922E-05	0.003741176	0.001332945	1.498111486	5.01158E-06	0.009243353	0.000870621	0.002306441	0.008347325
2037 Apr	0.03099169	3.93271E-05	30.37819672	20.3228817	0.189870298	0.009600399	367.3418884	0.012896985	0.0038606	6.23841E-05	0.003745368	0.001334445	1.499818444	5.01742E-06	0.00925365	0.000871859	0.002309206	0.008356613
2037 May	0.054736312	3.66983E-05	27.89022636	19.03716087	0.187013865	0.008742521	323.5865173	0.011937898	0.004537845	0.000182454	0.003439897	0.001230538	1.386182189	4.74642E-06	0.008432053	0.000957147	0.002296192	0.007609107
2037 Jun	0.050481245	3.7968E-05	29.28733063	19.89914703	0.196151182	0.009156005	315.3796692	0.012502411	0.003925115	0.000190692	0.003626792	0.001293146	1.453828216	4.86231E-06	0.008873977	0.000999552	0.002368183	0.008014148
2037 Jul	0.047196727	3.87234E-05	29.94005775	20.27502823	0.198478743	0.009367639	321.5931396	0.012766077	0.003823304	0.000175213	0.003709528	0.001321234	1.484568357	4.94872E-06	0.009082666	0.0009979	0.002400472	0.008203901
2037 Aug	0.044752412	3.94756E-05	30.61742592	20.68592262	0.201551393	0.009586579	328.382782	0.013040392	0.003720726	0.00016532	0.003793242	0.001350621	1.517054915	5.03289E-06	0.009296658	0.00100049	0.002424514	0.008398318
2037 Sep	0.042641602	3.98999E-05	31.010849	20.91542435	0.202969968	0.009716762	332.1794739	0.013197142	0.003644286	0.000155839	0.003841387	0.001367509	1.535701275	5.07879E-06	0.009422484	0.000997415	0.002432868	0.008512662
2037 Oct	0.04071841	3.98417E-05	30.9769783	20.86559105	0.20158954	0.00971536	331.3302612	0.013176013	0.003616659	0.000144153	0.003835618	0.001365419	1.533339381	5.06898E-06	0.009416571	0.000982053	0.002415504	0.008507293
2037 Nov	0.04051755	3.98247E-05	30.95988846	20.85129166	0.201323211	0.009711433	331.0752563	0.01316826	0.003620758	0.000142526	0.003833191	0.001364577	1.532415867	5.06709E-06	0.009411759	0.000979711	0.002413012	0.008502877
2037 Dec	0.040523801	3.98266E-05	30.96089363	20.85202026	0.201328978	0.009711772	331.085083	0.013168717	0.003621646	0.000142522	0.003833305	0.00136462	1.532466292	5.06738E-06	0.009412049	0.000979742	0.002413149	0.008503134
2038 Jan	0.040531199	3.98256E-05	30.95987701	20.85146141	0.201325476	0.009711446	331.0736084	0.013168317	0.003622059	0.000142534	0.003833173	0.001364575	1.532418847	5.06728E-06	0.009411718	0.000979748	0.002413119	0.008502832
2038 Feb	0.040539052	3.98252E-05	30.95941162	20.85127831	0.201326579	0.009711283	331.0681152	0.013168147	0.003622311	0.000142553	0.003833111	0.001364554	1.532399178	5.06724E-06	0.009411557	0.000979778	0.002413112	0.008502684
2038 Mar	0.040544722	3.98263E-05	30.96021652	20.85189247	0.201334059	0.009711526	331.0764465	0.013168503	0.003622572	0.000142568	0.003833209	0.001364589	1.532440782	5.06739E-06	0.009411789	0.000979828	0.00241319	0.008502893
2038 Apr	0.040566452	3.98451E-05	30.97480774	20.86175919	0.201430216	0.009716098	331.2322998	0.013174717	0.003624375	0.000142642	0.003835014	0.001365232	1.533163905	5.06979E-06	0.009416219	0.000980304	0.002414336	0.008506894
2038 May	0.041985843	3.97638E-05	30.88332939	20.8225174	0.201552674	0.009683769	328.8248291	0.013141433	0.003676776	0.000149264	0.003823526	0.001361488	1.529177904	5.06337E-06	0.009384661	0.000986177	0.002416804	0.008478008
2038 Jun	0.044951886	3.90902E-05	30.29358482	20.47803116	0.19957304	0.009487035	311.7509155	0.012904956	0.003743261	0.000164849	0.00375177	0.001336306	1.501260042	4.98684E-06	0.009196443	0.000991715	0.002400665	0.008307281
2038 Jul	0.044895824	3.94624E-05	30.57695198	20.66064072	0.201157898	0.00957639	313.7051392	0.013024888	0.003769543	0.000163692	0.003787513	0.00134871	1.515062094	5.03441E-06	0.00928363	0.000998611	0.002425024	0.008386136
2038 Aug	0.04371158	3.99838E-05	31.03008842	20.94169617	0.203393146	0.009722005	316.201355	0.013210392	0.003725988	0.000158808	0.003843487	0.001368442	1.536936522	5.09478E-06	0.009425608	0.001002805	0.00244519	0.00851498
2038 Sep	0.042136528	4.0193E-05	31.23928642	21.0576458	0.203951493	0.009792428	315.980957	0.013291765	0.003663994	0.000151837	0.003869013	0.001377332	1.546710134	5.1155E-06	0.009493668	0.000998572	0.002445473	0.008576938
2038 Oct	0.04135732	4.01638E-05	31.22193527	21.03510475	0.203376412	0.009790639	314.4266663	0.013281645	0.003651439	0.000147167	0.003866246	0.00137633	1.545576692	5.11075E-06	0.009490168	0.000992312	0.002438111	0.008573774
2038 Nov	0.041328639	4.0173E-05	31.22851753	21.03896904	0.203389257	0.009792973	314.4014587	0.013284333	0.003653023	0.000146898	0.003867004	0.001376603	1.545887113	5.11194E-06	0.009492252	0.000992167	0.002438365	0.008575644
2038 Dec	0.041333519	4.01725E-05	31.22771263	21.0384922	0.203384146	0.009792736	314.3928833	0.013284025	0.00365366	0.000146895	0.003866897	0.001376567	1.545848489	5.11192E-06	0.00949199	0.000992152	0.002438368	0.008575405
2039 Jan	0.041338142	4.01719E-05	31.22707176	21.03813934	0.203381911	0.009792531	314.3861084	0.013283773	0.003653918	0.000146902	0.003866814	0.001376538	1.545818567	5.11186E-06	0.009491783	0.000992155	0.002438348	0.008575213
2039 Feb	0.041343011	4.01715E-05	31.22674179	21.03800011	0.203382343	0.009792416	314.3824768	0.013283649	0.003654072	0.000146914	0.00386677	0.001376524	1.545804262	5.11183E-06	0.009491669	0.000992173	0.00243834	0.00857511

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Mar	0.04134991	4.01755E-05	31.22976685	21.04008293	0.203403473	0.00979336	314.4127808	0.013284946	0.003654531	0.000146935	0.003867143	0.001376657	1.545955062	5.11234E-06	0.009492581	0.000992284	0.002438586	0.008575933
2039 Apr	0.041367538	4.0191E-05	31.24183464	21.04823875	0.203482866	0.009797141	314.5341797	0.013290083	0.003656002	0.000146996	0.003868637	0.001377189	1.546553135	5.11432E-06	0.009496246	0.000992676	0.002439535	0.008579243
2039 May	0.041426651	4.02763E-05	31.30976105	21.09364128	0.203918263	0.009818462	315.0543823	0.013318815	0.003661336	0.000147246	0.003877054	0.001380181	1.5499084	5.12499E-06	0.009516972	0.000994707	0.002444466	0.008597986
2039 Jun	0.039971687	3.9495E-05	30.57973099	20.5777359	0.198342711	0.009587976	298.9021606	0.013015459	0.003675011	0.000135998	0.003791797	0.00134776	1.512962103	5.03684E-06	0.009296069	0.000972094	0.002429573	0.008398145
2039 Jul	0.037303839	3.93554E-05	30.49584961	20.47860909	0.196506143	0.009565093	288.2068176	0.012971883	0.003562874	0.000123527	0.003782943	0.001343634	1.507733464	5.0145E-06	0.009277072	0.000954446	0.002414474	0.00838178
2039 Aug	0.036562838	3.94139E-05	30.54133987	20.49508858	0.196262449	0.009581644	284.8477173	0.012988233	0.003540902	0.000119055	0.00378751	0.001345466	1.50962472	5.02126E-06	0.009292877	0.000946708	0.002408425	0.008396281
2039 Sep	0.03627944	3.95853E-05	30.69013405	20.58955002	0.197040215	0.009629793	285.0792542	0.013049318	0.003533537	0.000117816	0.003805632	0.001351942	1.516863704	5.04122E-06	0.009339226	0.000948525	0.00241453	0.008438271
2039 Oct	0.036041338	3.9594E-05	30.7041378	20.59597206	0.197005942	0.009635421	284.3935242	0.013054042	0.003526489	0.000116603	0.003807061	0.001352488	1.517488718	5.04145E-06	0.009344095	0.000947166	0.002412297	0.008442689
2039 Nov	0.03605897	3.96075E-05	30.71412468	20.60273933	0.19706963	0.009638578	284.4818726	0.013058322	0.003528463	0.000116636	0.003808289	0.001352927	1.517983437	5.04322E-06	0.009347118	0.000947478	0.002413144	0.008445413
2039 Dec	0.036062725	3.96097E-05	30.71575356	20.60385323	0.197080135	0.009639093	284.4968567	0.013059025	0.003528876	0.000116642	0.003808488	0.001352999	1.51806426	5.04353E-06	0.009347608	0.000947532	0.002413292	0.008445855
2040 Jan	0.03606455	3.96094E-05	30.71545219	20.60368156	0.197078973	0.009638998	284.4939575	0.013058906	0.003528974	0.000116645	0.003808449	0.001352986	1.518050194	5.0435E-06	0.009347511	0.000947532	0.002413281	0.008445766
2040 Feb	0.036066692	3.96095E-05	30.7154541	20.6037159	0.197080016	0.009638993	284.4938354	0.013058912	0.003529052	0.000116651	0.003808449	0.001352985	1.518051028	5.0435E-06	0.009347507	0.000947543	0.002413288	0.008445761
2040 Mar	0.036072012	3.96141E-05	30.71899796	20.60610962	0.197103336	0.009640102	284.5266113	0.013060423	0.003529501	0.000116667	0.003808887	0.001353141	1.518226624	5.04409E-06	0.009348582	0.000947658	0.00241357	0.008446733
2040 Apr	0.036087327	3.96302E-05	30.731493	20.61450386	0.197183818	0.009644022	284.6423035	0.013065738	0.00353096	0.000116716	0.003810436	0.001353692	1.518844366	5.04614E-06	0.009352383	0.000948047	0.002414555	0.008450167
2040 May	0.036497448	3.96674E-05	30.75315285	20.634655	0.197499275	0.009649984	284.5247498	0.013076348	0.003549857	0.000118525	0.003813054	0.001354715	1.520051003	5.05189E-06	0.009358033	0.000950869	0.00241859	0.008455171
2040 Jun	0.038741913	3.90653E-05	30.22241402	20.31892204	0.195398346	0.009476245	272.8017273	0.012862141	0.003617564	0.000129246	0.003747704	0.001331863	1.494775414	4.9836E-06	0.009189511	0.00095201	0.002400381	0.00830217
2040 Jul	0.03828752	3.93243E-05	30.44402122	20.45757484	0.196551785	0.009546745	272.2059937	0.012953498	0.003602528	0.000127456	0.003775511	0.00134153	1.505495787	5.014E-06	0.00925876	0.00095553	0.002413063	0.008364997
2040 Aug	0.038020089	3.95993E-05	30.67741394	20.60730934	0.19785893	0.009621004	272.5995789	0.013050154	0.003594194	0.000126491	0.003804285	0.001351746	1.516883016	5.04664E-06	0.009331121	0.00095959	0.002425151	0.008430582
2040 Sep	0.037626754	3.97142E-05	30.78311539	20.6720047	0.198343456	0.009655571	271.8666077	0.013092795	0.003577236	0.000124923	0.003817087	0.001356332	1.521972656	5.05931E-06	0.009364437	0.00095975	0.002427681	0.008460832
2040 Oct	0.03756582	3.97309E-05	30.79574013	20.67952156	0.198362797	0.009660248	271.4333801	0.013097856	0.003580735	0.000124342	0.003818448	0.001356848	1.522571683	5.06143E-06	0.009368442	0.00095939	0.002427672	0.008464416
2040 Nov	0.037575781	3.97435E-05	30.80515099	20.68581772	0.198418394	0.009663272	271.4707336	0.013101862	0.003582592	0.000124328	0.003819592	0.001357259	1.523035884	5.06307E-06	0.009371305	0.00095974	0.002428383	0.008466997
2040 Dec	0.037578139	3.97445E-05	30.80578804	20.68626404	0.198422536	0.009663476	271.4762268	0.01310214	0.00358286	0.000124331	0.003819669	0.001357287	1.523067713	5.06321E-06	0.009371494	0.00095996	0.002428451	0.008467167
2041 Jan	0.037580051	3.97446E-05	30.80582428	20.68631363	0.19842343	0.009663486	271.4764404	0.013102164	0.003582978	0.000124335	0.003819672	0.001357288	1.523070097	5.06323E-06	0.0093715	0.00095996	0.002428464	0.008467171
2041 Feb	0.037582088	3.97448E-05	30.80600357	20.6864624	0.198425472	0.009663539	271.4779358	0.013102246	0.003583065	0.00012434	0.003819693	0.001357296	1.523079634	5.06326E-06	0.009371551	0.00095962	0.002428485	0.008467216
2041 Mar	0.037586179	3.97481E-05	30.80854225	20.68818283	0.198442295	0.009664332	271.5002747	0.013103328	0.003583396	0.000124353	0.003820007	0.001357408	1.523205519	5.06369E-06	0.009372321	0.00095975	0.002428688	0.008467912
2041 Apr	0.037597053	3.9759E-05	30.81699371	20.69386673	0.198497012	0.009666983	271.5747375	0.013106924	0.0035844	0.000124388	0.003821055	0.00135778	1.523623586	5.06508E-06	0.00937489	0.00095971	0.002429356	0.008470234
2041 May	0.037669078	3.98115E-05	30.85795784	20.72177315	0.198775664	0.009679765	271.7892456	0.013124387	0.003589276	0.000124697	0.003826125	0.001359591	1.52565968	5.07174E-06	0.009387301	0.000961396	0.002432564	0.008481445
2041 Jun	0.037405521	3.93841E-05	30.46203804	20.45164299	0.196045771	0.009554233	263.3465576	0.012960893	0.003610457	0.000121383	0.003779218	0.001342102	1.505878568	5.02365E-06	0.009266201	0.00095185	0.00242318	0.008371757
2041 Jul	0.036219347	3.92385E-05	30.36368561	20.36852264	0.194931418	0.009524532	255.2988892	0.012915861	0.003553701	0.000116324	0.003768091	0.001337605	1.500589132	5.0028E-06	0.009238972	0.000944037	0.002413654	0.008347493
2041 Aug	0.036209326	3.95087E-05	30.583395	20.5125885	0.196246713	0.009594022	255.9827271	0.013007968	0.003561237	0.000116244	0.003795195	0.001347252	1.511377096	5.03601E-06	0.009306484	0.000949153	0.002427534	0.008408592
2041 Sep	0.035989348	3.96363E-05	30.69681549	20.58465576	0.196856767	0.00963051	255.5209961	0.013054432	0.003551612	0.000115478	0.003809043	0.001352202	1.516900063	5.05062E-06	0.00934183	0.000950629	0.002431878	0.008440644
2041 Oct	0.035835534	3.96486E-05	30.71194458	20.59288788	0.196873173	0.009636102	254.660965	0.01305998	0.003546772	0.000114713	0.003810679	0.001352822	1.517606139	5.05151E-06	0.009346848	0.000949851	0.002430527	0.008445194
2041 Nov	0.035849396	3.96624E-05	30.72218895	20.59978294	0.196934581	0.009639393	254.6897278	0.013064351	0.003549004	0.000114707	0.003811921	0.001353269	1.518112302	5.05334E-06	0.009349957	0.000950117	0.002431321	0.008447994
2041 Dec	0.035852335	3.96643E-05	30.7234993	20.60067749	0.196943	0.009639806	254.7004852	0.013064915	0.003549328	0.000114712	0.003812082	0.001353327	1.518177271	5.05358E-06	0.009350351	0.00095016	0.00243144	0.008448349
2042 Jan	0.03585431	3.96647E-05	30.72375679	20.60087395	0.196945235	0.009639886	254.7025452	0.013065032	0.00354946	0.000114716	0.003812113	0.001353338	1.518190503	5.05364E-06	0.009350426	0.000950175	0.00243147	0.008448415
2042 Feb	0.035855927	3.96647E-05	30.72374725	20.60089302	0.19694598	0.00963988	254.7023926	0.013065034	0.003549518	0.00011472	0.003812111	0.001353338	1.518190742	5.05364E-06	0.009350419	0.000950184	0.002431475	0.008448409
2042 Mar	0.035858698	3.96668E-05	30.72536087	20.60198975	0.196956769	0.009640384	254.715744	0.013065723	0.003549737	0.000114728	0.003812311	0.001353409	1.51827085	5.05391E-06	0.009350908	0.000950238	0.002431605	0.00844885
2042 Apr	0.035879903	3.96897E-05	30.74310112	20.6138916	0.197070718	0.00964595	254.862793	0.013073267	0.003551804	0.000114796	0.003814512	0.00135419	1.519147635	5.05683E-06	0.009356306	0.00095079	0.002433011	0.008453728
2042 May	0.036030121	3.97688E-05	30.80345345	20.65558434	0.197497487	0.009664703	255.1931763	0.013099189	0.003561577	0.00011541	0.003821977	0.001356864	1.522160411	5.06706E-06	0.00937448	0.000953113	0.002438136	0.00847013
2042 Jun	0.035845898	3.95374E-05	30.59638214	20.51413155	0.196081951	0.009598993	249.18013	0.013013248	0.00356487	0.000113785	0.003797436	0.001347723	1.511818409	5.04028E-06	0.009311281	0.000948054	0.002431977	0.008412931
2042 Jul	0.035338026	3.94785E-05	30.55227089	20.47651863	0.195557594	0.009585644	243.9667053	0.012993302	0.003544164	0.000111356	0.003792412	0.0013457	1.509430528	5.03223E-06	0.009299026	0.000944216	0.002428237	0.008401994
2042 Aug	0.034706671	3.94693E-05	30.56338501	20.47639465	0.19536911	0.009591172	239.8482666	0.012995155	0.003508927	0.000108814	0.003792949	0.001346115	1.509818792	5.0289E-06	0.009303687	0.000939597	0.002420211	0.008406383
2042 Sep	0.034411225	3.94662E-05	30.56713676	20.47568512	0.195257008	0.009593771	237.6751099	0.012995517	0.003497045	0.000107403	0.00379285	0.001346233	1.509935856	5.02776E-06	0.009305323	0.000937229	0.002416325	0.008407894
2042 Oct	0.034259055	3.94505E-05	30.55976295	20.4692421	0.19513604	0.009592345	236.4423981	0.012991586	0.003491905	0.000106619	0.003791653	0.00134586	1.509539247	5.0252E-06	0.009303426	0.000935844	0.002413276	0.008406177
2042 Nov	0.034271859	3.94633E-05	30.56946182	20.47576332	0.195196822	0.009595415	236.4971313	0.01299572	0.003493478	0.000106641	0.003792846	0.001346286	1.510018587	5.02686E-06	0.009306372	0.000936129	0.002414048	0.008408836
2042 Dec	0.034273721	3.94645E-05	30.57030106	20.47633553	0.195202187	0.00959568	236.5035706	0.012996082	0.003493687	0.000106644	0.003792949	0.001346323	1.510060191	5.02702E-06	0.009306625	0.000936156	0.002414124	0.008409063
2043 Jan	0.034274802	3.94645E-05	30.57028389	20.47634125	0.19520247	0.009595674	236.5034027	0.012996079	0.003493752	0.000106646	0.003792946	0.001346322	1.510059714	5.02702E-06	0.009306617	0.00093616	0.002414129	0.008409056
2043 Feb	0.034275874	3.94645E-05	30.57029343	20.47636414	0.195203051	0.009595675	236.5034332	0.012996086	0.003493792	0.000106649	0.003792947	0.001346322	1.510060668	5.02703E-06	0.009306617	0.000936166	0.002414133	0.008409056
2043 Mar	0.034277182	3.94654E-05	30.57094383	20.47680855	0.195207477	0.009595878	236.5084381	0.012996363	0.003493887	0.000106652	0.003793027	0.001346351	1.510092854	5.02714E-06	0.009306814	0.000936189	0.002414187	0.008409234
2043 Apr	0.034294315	3.94847E-05	30.58592606	20.48684883	0.195303321	0.009600581	236.6243439	0.013002735	0.003495611	0.000106705	0.003794886	0.001347011	1.510833144	5.0296E-06	0.009311374	0.00093665	0.002415371	0.008413354
2043 May	0.034480877	3.95501E-05	30.63453865	20.52139282	0.195677057	0.009615546	236.7937927	0.013023853	0.003506288	0.000107494	0.003800887	0.001349176	1.513283253	5.03822E-06	0.009325854	0.000938886	0.002419889	0.008426405
2043 Jun	0.035620522	3.9265E-05	30.38471985	20.37425995	0.194733888	0.009533659	230.5376129	0.012923106	0.003539601	0.000113	0.003770006	0.001338432	1.501425743	5.00581E-06	0.009246361	0.000939769	0.002410797	0.00835422
2043 Jul	0.035552833	3.94564E-05	30.53925323	20.47417259	0.195618272	0.009582487	229.6929169	0.012987806	0.003543871	0.000112587	0.003789237	0.001345203	1.508973956	5.02937E-06	0.009294045	0.000943093	0.002421094	0.008397396
2043 Aug	0.035461526	3.96537E-05	30.70218086	20.5801239	0.196563244	0.009634312	229.2687073	0.013055761	0.003544836	0.000112202	0.003809227	0.001352348	1.516955972	5.05334E-06	0.00934425	0.000946315	0.002430328	0.008442852
2043 Sep	0.035239663	3.97106E-05	30.75650978	20.61335945	0.196810395	0.009652198	228.0030823	0.013077511	0.003533946	0.000111367	0.003815711	0.001354705	1.519574761	5.0594E-06	0.009361401	0.000946194	0.002430879	0.00845843
2043 Oct	0.035194792	3.96715E-05	30.72263718	20.59064484	0.196543351	0.009642403	226.8641205	0.013063103	0.003538806	0.000110722	0.003811205	0.001353	1.517895937	5.05481E-06	0.009351072	0.000944518	0.002427622	0.008449016
2043 Nov	0.035210002	3.9614E-05	30.67068291	20.5567112	0.196187288	0.009626713	226.0253143	0.013041446	0.003546819	0.000110281	0.003804504	0.001350852	1.515341997	5.04828E-06	0.009335034	0.000942734	0.002424075	0.008434418
2043 Dec	0.035212468	3.96148E-05	30.6711731	20.55706024	0.196190476	0.009626872	226.0288391	0.013041666	0.003547109	0.000110283	0.003804563	0.001350873	1.515366673	5.0484E-06	0.009335178	0.000942752	0.002424134	0.008434546
2044 Jan	0.035214249	3.9615E-05	30.67124557	20.55713463	0.196191549	0.009626894	226.0293274	0.013041703	0.00354722	0.000110287	0.003804571	0.001350876	1.515370965	5.04842E-06	0.009335196	0.000942762	0.00242415	0.008434562
2044 Feb	0.035217289	3.96166E-05	30.67245102	20.55796814	0.196200073	0.009627269	226.0381622	0.013042221	0.00354742	0.000110295	0.003804719	0.001350929	1.515430927	5.04863E-06	0.009335558	0.000942808	0.002424251	0.00843489
2044 Mar	0.035221264	3.962E-05	30.67512894	20.5597744	0.196217611	0.009628107	226.0578461	0.013043361	0.003547762	0.000110307	0.00380505	0.001351047	1.515563607	5.04907E-06	0.009336371	0.000942895	0.002424465	0.008435623
2044 Apr	0.035229508	3.96288E-05	30.68187332	20.56430244	0.196261019	0.009630223	226.1075287	0.01304623	0.00354856	0.000110332	0.003805887	0.001351344	1.515897036	5.05018E-06	0.009338423	0.000943105	0.002425	0.008437476
2044 May	0.035293691	3.96908E-05	30.72986221	20.59661674	0.196573079	0.009645262	226.425293	0.013066662	0.00355433	0.000110554	0.003811837	0.00135346	1.518271923	5.05809E-06	0.009353007	0.000944635	0.002428814	0.008450652
2044 Jun	0.030340156	3.0136E-05	23.38032722	15.78759193	0.149031997	0.007295572	168.241272	0.009991283	0.003752766	9.59222E-05	0.002882226	0.001030936	1.152057528	4.30035E-06	0.007060661	0.000732517	0.002032478	0.006370792
2044 Jul	0.02343009	1.73385E-05	13.57644653	9.37580204	0.085449286	0.004160272	95.74419403	0.005888133	0.004037132	7.58517E-05	0.001639872	0.000600718	0.663288414	3.30839E-06	0.004000565	0.000446266	0.001502153	0.003594077
2044 Aug	0.019475862	1.09453E-05	8.724624634	6.212666035	0.05393818	0.002604486	60.65844345	0.003824366	0.004120443	5.96937E-05	0.0010231	0.000387277	0.421716362	2.81827E-06	0.002481725	0.000300512	0.001238956	0.002217369
2044 Sep	0.017436337	8.28286E-06	6.810360432	4.978695393	0.041393105	0.001989246	46.28110886	0.002980066	0.004177995	5.1092E-05	0.000778268	0.000302379	0.326939642	2.62157E-06	0.001876312	0.000240808	0.001135502	0.001650301
2044 Oct	0.016895534	7.43615E-06	6.258785248	4.628619671	0.037739884	0.001812131	42.00582123	0.002734882	0.004244145	5.05369E-05	0.000707519	0.00027783	0.299742401	2.56685E-06	0.001699733	0.000224127	0.001107504	0.001471971
2044 Nov	0.016944086	7.45564E-06	6.295618534	4.655442715	0.037992798	0.001824791	42.20188522	0.002751125	0.004249072	5.06348E-05	0.000712418	0.00027952	0.301719964	2.57191E-06	0.001711127	0.000225586	0.001110504	0.001476902
2044 Dec	0.01694734	7.45651E-06	6.298145771	4.657300949	0.038010105	0.001825655	42.21595383	0.002752235	0.004249436	5.06419E-05	0.000712754	0.000279637	0.301855713	2.57228E-06	0.001711905	0.000225685	0.00111072	0.001477203
2045 Jan	0.016947746	7.45658E-06	6.298345566	4.657450199	0.038011543	0.001825724	42.21704865	0.002752324	0.004249468	5.06428E-05	0.000712781	0.000279646	0.301866531	2.57231E-06	0.001711966	0.000225693	0.001110736	0.001477225
2045 Feb	0.016947964	7.45659E-06	6.298386097	4.657482147	0.038011905	0.001825737	42.2172699	0.002752342	0.004249479	5.06433E-05	0.000712786	0.000279648	0.301868767	2.57231E-06	0.001711978	0.000225696	0.00111074	0.00147723
2045 Mar	0.01694857	7.45682E-06	6.298583984	4.657629967	0.038013157	0.001825795	42.21857834	0.002752429	0.004249608	5.06451E-05	0.000712809	0.000279657	0.301878333	2.57239E-06	0.001712032	0.000225704	0.001110774	0.001477274
2045 Apr	0.01695044	7.45761E-06	6.299270153	4.658138275	0.038017344	0.001825995	42.22315598	0.002752729	0.004250062	5.06506E-05	0.000712887	0.000279687	0.301911443	2.57267E-06	0.00171222	0.000225729	0.001110893	0.001477433
2045 May	0.016962077	7.46272E-06	6.303593636	4.661334991	0.038043458	0.001827249	42.25211716	0.002754618	0.004252972	5.06854E-05	0.000713376	0.000279879	0.302118689	2.57443E-06	0.001713395	0.000225884	0.001111655	0.001478445
2045 Jun	0.017474199	7.37155E-06	6.71444416	4.972790718	0.040901687	0.001970601	43.85151291	0.002940196	0.004303928	5.21117E-05	0.000769919	0.000299458	0.324695081	2.63444E-06	0.001841043	0.000242654	0.001148068	0.001497302
2045 Jul	0.017257381	6.57517E-06	6.099722862	4.567156315	0.036951616	0.001774707	39.28538513	0.002694576	0.004323397	5.22415E-05	0.000692875	0.000272796	0.293904483	2.57307E-06	0.001651251	0.000225781	0.001115529	0.001325575
2045 Aug	0.016610784	5.66722E-06	5.320655346	4.049696445	0.031873953	0.001522639	33.96147537	0.002363935	0.004308928	4.9197E-05	0.000593278	0.000238391	0.254665285	2.49167E-06	0.001408558	0.000201398	0.001070394	0.001125624
2045 Sep	0.01593937	5.01305E-06	4.801303864	3.707974195	0.028408784	0.001352215	30.32594109	0.002128151	0.004305618	4.63005E-05	0.000525822	0.000215062	0.228521973	2.4349E-06	0.001243817	0.000183416	0.001039336	0.000987024
2045 Oct	0.015690416	4.73725E-06	4.59949398	3.575759411	0.02703074	0.001285264	28.90486908	0.002035256	0.004325318	4.61888E-05	0.000499331	0.000205909	0.218292579	2.41333E-06	0.001178799	0.000176397	0.001027601	0.000929889
2045 Nov	0.015697708	4.73873E-06	4.605567455	3.580180168	0.027071223	0.001287269	28.93859482	0.002037867	0.004326086	4.62046E-05	0.000500129	0.00020619	0.218611822	2.4143E-06	0.001180653	0.000176608	0.001028136	0.00093067
2045 Dec	0.015698636	4.73892E-06	4.606256008	3.580683231	0.027075762	0.001287493	28.94244194	0.002038162	0.004326209	4.62066E-05	0.000500219	0.000206222	0.218647704	2.41443E-06	0.001180861	0.000176632	0.001028202	0.000930762
2046 Jan	0.01569909	4.73899E-06	4.606630802	3.580955982	0.027078286	0.001287618	28.94451332	0.002038323	0.004326247	4.62076E-05	0.000500268	0.000206239	0.218667477	2.41448E-06	0.001180976	0.000176645	0.001028233	0.00093081

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Feb	0.015699223	4.73901E-06	4.606665611	3.580982685	0.027078532	0.001287628	28.9447155	0.002038338	0.004326266	4.62079E-05	0.000500272	0.000206241	0.218669236	2.4145E-06	0.001180986	0.000176646	0.001028239	0.000930815
2046 Mar	0.015699906	4.73921E-06	4.606857777	3.58113265	0.027079679	0.001287682	28.94592285	0.002038423	0.004326446	4.62099E-05	0.000500293	0.000206249	0.218678385	2.4146E-06	0.001181035	0.000176654	0.001028282	0.000930854
2046 Apr	0.015702743	4.74006E-06	4.607702732	3.581788301	0.027084675	0.001287919	28.95120811	0.002038797	0.004327219	4.62183E-05	0.000500385	0.000206287	0.218718618	2.41503E-06	0.001181253	0.000176686	0.001028467	0.000931023
2046 May	0.015722429	4.74535E-06	4.620131016	3.590886116	0.027166633	0.001291902	29.01909828	0.002044148	0.004330193	4.62744E-05	0.000501967	0.000206857	0.219359279	2.41768E-06	0.001184954	0.000177123	0.001029784	0.000932907
2046 Jun	0.015946753	4.72938E-06	4.733426094	3.674175024	0.027970826	0.001330789	29.36109734	0.002096336	0.004337143	4.69217E-05	0.000517874	0.000212282	0.225489929	2.43067E-06	0.001220837	0.000181891	0.001039471	0.000941346
2046 Jul	0.015971705	4.48977E-06	4.538857937	3.543698311	0.02674645	0.001269517	27.80735016	0.002022999	0.004339619	4.74332E-05	0.000494036	0.000203945	0.215734974	2.40834E-06	0.001161957	0.000177142	0.001028787	0.000888513
2046 Aug	0.015710985	4.12406E-06	4.203527451	3.319991112	0.024566241	0.001160952	25.59689331	0.0018816	0.004330901	4.60007E-05	0.000451103	0.000189134	0.198804274	2.37411E-06	0.001057703	0.00016669	0.001009473	0.000805725
2046 Sep	0.015386609	3.8367E-06	3.983438015	3.175876856	0.023089824	0.001088475	24.04700089	0.001778791	0.004326786	4.44154E-05	0.000422403	0.000179193	0.187756956	2.34891E-06	0.000987525	0.000158726	0.000995967	0.000745921
2046 Oct	0.015292131	3.71467E-06	3.924944401	3.139668703	0.022674672	0.001068838	23.57202148	0.001749218	0.004339701	4.44854E-05	0.000414646	0.000176514	0.184845358	2.34235E-06	0.000967969	0.000156439	0.000992701	0.00072398
2046 Nov	0.015313611	3.71943E-06	3.94390893	3.153304338	0.022801427	0.001075134	23.67321014	0.001757318	0.004340949	4.45224E-05	0.000417154	0.000177388	0.185842827	2.34484E-06	0.000973829	0.000157069	0.00099414	0.000726557
2046 Dec	0.015316991	3.71997E-06	3.946936131	3.155497074	0.022821631	0.001076137	23.6899147	0.001758611	0.004341199	4.45289E-05	0.000417554	0.000177528	0.18600215	2.34527E-06	0.00097476	0.000157169	0.000994381	0.000726943
2047 Jan	0.015317121	3.71999E-06	3.946982861	3.155532122	0.022821957	0.001076152	23.6901741	0.001758631	0.004341213	4.45292E-05	0.00041756	0.00017753	0.186004564	2.34528E-06	0.000974774	0.000157171	0.000994387	0.00072695
2047 Feb	0.015317264	3.72001E-06	3.947014093	3.155556679	0.022822179	0.001076161	23.69034958	0.001758645	0.004341234	4.45295E-05	0.000417563	0.000177532	0.186006114	2.3453E-06	0.000974782	0.000157173	0.000994392	0.000726954
2047 Mar	0.015318312	3.72025E-06	3.947277546	3.155767918	0.022823725	0.001076233	23.69193268	0.001758762	0.004341523	4.45326E-05	0.000417591	0.000177544	0.186018586	2.34545E-06	0.000974847	0.000157183	0.000994458	0.000727003
2047 Apr	0.015319603	3.72056E-06	3.947605371	3.156030416	0.022825629	0.001076322	23.69389915	0.001758909	0.004341883	4.45363E-05	0.000417626	0.000177558	0.186034039	2.34565E-06	0.000974928	0.000157196	0.000994541	0.000727063
2047 May	0.015374953	3.73035E-06	3.98333931	3.181991577	0.023072384	0.001088059	23.88266563	0.001774201	0.004345144	4.47051E-05	0.000422318	0.000179208	0.187911645	2.35076E-06	0.000985878	0.000158473	0.000997409	0.000732037
2047 Jun	0.015639119	3.73184E-06	4.076678753	3.251245022	0.023785507	0.001119507	24.24158478	0.001816605	0.004349763	4.57738E-05	0.000435074	0.000183647	0.192942768	2.3608E-06	0.00101515	0.000162609	0.00100425	0.00074176
2047 Jul	0.015648315	3.57459E-06	3.920135975	3.145733356	0.022785578	0.001069203	23.23048592	0.001756749	0.0043589	4.62721E-05	0.000415236	0.000176842	0.184962258	2.34706E-06	0.00096701	0.000158539	0.000996132	0.000704097
2047 Aug	0.015504798	3.37263E-06	3.728851318	3.018072844	0.021546612	0.001007219	22.00291634	0.0016765	0.004353124	4.54227E-05	0.000390693	0.000168402	0.175291985	2.32843E-06	0.00090756	0.000152607	0.000985244	0.00065786
2047 Sep	0.0153226	3.20529E-06	3.617799282	2.947046041	0.020807639	0.000970397	21.21221352	0.001622542	0.004350381	4.45064E-05	0.000376101	0.000163376	0.169765711	2.31585E-06	0.000871702	0.000148431	0.000978367	0.000625263
2047 Oct	0.01526323	3.13239E-06	3.5888412	2.929776907	0.020598967	0.000960429	20.96555328	0.001606625	0.004358878	4.46554E-05	0.000372146	0.000162024	0.168328673	2.31234E-06	0.000861685	0.000147175	0.000976503	0.000613103
2047 Nov	0.015290458	3.13741E-06	3.611212254	2.945921898	0.020751342	0.000967839	21.08500481	0.001616154	0.004359994	4.47276E-05	0.000375094	0.000163057	0.169506446	2.31519E-06	0.000868593	0.000147925	0.000978105	0.000616167
2047 Dec	0.015292231	3.13766E-06	3.612689495	2.946997404	0.020761315	0.000968325	21.09317589	0.001616783	0.004360122	4.47325E-05	0.000375287	0.000163125	0.169584036	2.31541E-06	0.000869045	0.000147974	0.000978222	0.00061636
2048 Jan	0.015292561	3.13771E-06	3.612895012	2.947148561	0.020762708	0.000968392	21.09431648	0.001616871	0.004360157	4.47334E-05	0.000375314	0.000163135	0.169594765	2.31544E-06	0.000869107	0.000147981	0.00097824	0.000616387
2048 Feb	0.015292755	3.13774E-06	3.612930775	2.947178364	0.020762943	0.000968401	21.09452438	0.001616887	0.004360198	4.4734E-05	0.000375318	0.000163136	0.169596493	2.31546E-06	0.000869115	0.000147983	0.00097825	0.000616393
2048 Mar	0.015292811	3.13774E-06	3.612941027	2.947186708	0.020763021	0.000968404	21.09458351	0.001616891	0.004360206	4.47341E-05	0.000375319	0.000163137	0.169597	2.31547E-06	0.000869118	0.000147984	0.000978252	0.000616394
2048 Apr	0.015294572	3.13812E-06	3.613416672	2.947564125	0.020765888	0.000968538	21.09721375	0.001617102	0.004360664	4.47393E-05	0.000375371	0.000163158	0.169619828	2.31572E-06	0.000869239	0.000148003	0.00097836	0.000616476
2048 May	0.015301561	3.13956E-06	3.615102291	2.94893384	0.020775652	0.000968993	21.10698509	0.001617855	0.004362631	4.47597E-05	0.000375547	0.000163235	0.169699252	2.31677E-06	0.000869648	0.000148071	0.000978805	0.000616764
2048 Jun	0.015383066	3.13794E-06	3.639134169	2.966068268	0.020957967	0.00097751	21.14131927	0.001630003	0.004362175	4.50204E-05	0.000379123	0.000164414	0.171011135	2.31797E-06	0.00087765	0.000149282	0.000980614	0.000618788
2048 Jul	0.015438487	3.06429E-06	3.571867943	2.920272112	0.020544663	0.000956589	20.62991333	0.001606714	0.004364151	4.54347E-05	0.000371033	0.000161571	0.167625576	2.3101E-06	0.000857671	0.000147923	0.000977062	0.000601453
2048 Aug	0.015354048	2.93902E-06	3.451853037	2.840044498	0.019768028	0.000917886	19.86379814	0.001556722	0.004359149	4.47823E-05	0.000355733	0.00015629	0.161573052	2.29817E-06	0.000820542	0.000144232	0.000970357	0.00057242
2048 Sep	0.0151831	2.82221E-06	3.357410431	2.777889252	0.019123675	0.000886509	19.2444973	0.001511297	0.004356252	4.3926E-05	0.000343267	0.000151976	0.15680939	2.28728E-06	0.000790229	0.000140588	0.000964355	0.000547842
2048 Oct	0.015126563	2.77156E-06	3.335124493	2.76411891	0.018955352	0.000878809	19.07034302	0.001498944	0.004362672	4.39844E-05	0.000340209	0.000150919	0.155687019	2.28442E-06	0.000782543	0.000139553	0.00096288	0.00053916
2048 Nov	0.015145427	2.77508E-06	3.350841045	2.775440454	0.019060872	0.000884027	19.15524101	0.001505651	0.004363667	4.40184E-05	0.000342288	0.000151645	0.156514391	2.28646E-06	0.0007874	0.000140074	0.000964057	0.000541277
2048 Dec	0.015146662	2.77528E-06	3.35195303	2.776246548	0.019068263	0.000884393	19.16139603	0.001506125	0.004363771	4.4021E-05	0.000342434	0.000151696	0.1565727	2.28662E-06	0.000787741	0.00014011	0.000964147	0.000541423
2049 Jan	0.015146843	2.77531E-06	3.352069378	2.776331663	0.01906905	0.000884432	19.16204071	0.001506175	0.004363786	4.40214E-05	0.000342449	0.000151702	0.156578794	2.28664E-06	0.000787776	0.000140114	0.000964157	0.000541438
2049 Feb	0.01514692	2.77532E-06	3.352085352	2.776344538	0.019069176	0.000884436	19.16213036	0.001506182	0.004363795	4.40216E-05	0.000342451	0.000151702	0.156579643	2.28665E-06	0.000787781	0.000140115	0.00096416	0.00054144
2049 Mar	0.015147241	2.77537E-06	3.352154255	2.77640152	0.019069582	0.000884455	19.16252136	0.001506213	0.00436388	4.40225E-05	0.000342458	0.000151706	0.156582892	2.28669E-06	0.000787797	0.000140118	0.000964179	0.000541451
2049 Apr	0.015156621	2.77724E-06	3.354827881	2.778507471	0.019086059	0.000885221	19.17671776	0.001507393	0.004366168	4.40504E-05	0.000342758	0.000151827	0.156713054	2.28798E-06	0.000788495	0.000140224	0.000964741	0.000541889
2049 Jun	0.015235321	2.77663E-06	3.380762577	2.797036409	0.019279301	0.000894357	19.2600441	0.001520051	0.004365769	4.42677E-05	0.000346569	0.000153085	0.15812774	2.28934E-06	0.000797044	0.000141461	0.000966678	0.000544195
2049 Jul	0.015273414	2.72155E-06	3.326337576	2.759719133	0.018941112	0.000877397	18.88189316	0.001501246	0.004367428	4.45907E-05	0.000339983	0.000150776	0.155374631	2.28315E-06	0.000780876	0.00014032	0.000963753	0.000530766
2049 Aug	0.015191624	2.62843E-06	3.224147797	2.690872431	0.018271619	0.000844154	18.26396751	0.001458671	0.004365053	4.40656E-05	0.000326785	0.000146249	0.150169671	2.27418E-06	0.000749105	0.000137112	0.000958193	0.000507867
2049 Sep	0.015086545	2.55741E-06	3.174442053	2.658839703	0.017932545	0.000827658	17.93318939	0.001433874	0.004361594	4.33899E-05	0.00032024	0.000143982	0.147695988	2.26844E-06	0.000733061	0.0001351	0.000955121	0.000493815
2049 Oct	0.01510796	2.55587E-06	3.198165417	2.676154613	0.018088557	0.000835516	18.05039406	0.001443454	0.004363679	4.34504E-05	0.000323379	0.000145068	0.148954675	2.27105E-06	0.000740308	0.000135829	0.000956784	0.000496185
2049 Nov	0.015135234	2.56068E-06	3.223218918	2.694210529	0.018256124	0.000843823	18.18787384	0.001454129	0.004365166	4.35011E-05	0.000326694	0.000146226	0.15027307	2.27434E-06	0.000748046	0.000136653	0.000958673	0.000499507
2049 Dec	0.01513729	2.56104E-06	3.225294352	2.695710659	0.018269908	0.000844508	18.19937134	0.001455012	0.004365317	4.35054E-05	0.000326967	0.000146322	0.150381997	2.27464E-06	0.000748684	0.00013672	0.000958834	0.00049978
2050 Jan	0.015137583	2.56108E-06	3.225542545	2.695890903	0.018271562	0.000844589	18.20074654	0.001455118	0.004365344	4.3506E-05	0.000327	0.000146333	0.150394991	2.27468E-06	0.000748759	0.000136728	0.000958855	0.000499813
2050 Feb	0.015137647	2.56109E-06	3.225557566	2.695902824	0.018271673	0.000844594	18.20082855	0.001455125	0.004365352	4.35062E-05	0.000327002	0.000146334	0.150395766	2.27468E-06	0.000748764	0.000136729	0.000958857	0.000499815
2050 Mar	0.015137725	2.5611E-06	3.22557354	2.695915937	0.01827178	0.000844598	18.20091629	0.001455132	0.004365368	4.35064E-05	0.000327003	0.000146335	0.150396541	2.27469E-06	0.000748768	0.00013673	0.000958861	0.000499817
2050 Apr	0.01513881	2.56128E-06	3.225803614	2.696108103	0.018273087	0.000844658	18.20221519	0.001455236	0.004365677	4.35095E-05	0.000327027	0.000146345	0.150407284	2.27485E-06	0.000748821	0.00013674	0.000958929	0.000499853
2050 May	0.015144611	2.56223E-06	3.227217197	2.697254181	0.018281659	0.000845051	18.21003532	0.001455866	0.004367153	4.35266E-05	0.000327181	0.00014641	0.150475353	2.27565E-06	0.000749175	0.000136799	0.000959274	0.000500067
2050 Jun	0.015231259	2.57816E-06	3.272349834	2.729526281	0.018601445	0.000860106	18.43704605	0.001475297	0.004368426	4.37233E-05	0.000333295	0.000148493	0.152869776	2.27996E-06	0.000763303	0.000138545	0.000962597	0.000506608
2050 Jul	0.015299829	2.59466E-06	3.310863018	2.756760359	0.018869104	0.00087296	18.6220932	0.00149188	0.00436932	4.3842E-05	0.000338518	0.000150265	0.154904962	2.28353E-06	0.000775398	0.000139985	0.000965418	0.000512518
2050 Aug	0.015339287	2.60285E-06	3.328785181	2.769905567	0.018988337	0.000878694	18.71299934	0.001499649	0.004374279	4.39288E-05	0.000340818	0.000151088	0.155830309	2.28737E-06	0.000780735	0.000140645	0.000967463	0.000515217
2050 Sep	0.015383721	2.61231E-06	3.357597589	2.790585041	0.019183781	0.00088823	18.86137581	0.001512009	0.004376565	4.40103E-05	0.000344642	0.000152416	0.157345012	2.29108E-06	0.000789642	0.000141648	0.00096975	0.000519361
2050 Oct	0.015408726	2.61662E-06	3.374396563	2.802764177	0.019296737	0.000893756	18.95225143	0.001519209	0.004378517	4.40607E-05	0.000346855	0.000153191	0.158226416	2.29361E-06	0.000794786	0.000142228	0.000971192	0.000521642
2050 Nov	0.015414953	2.6176E-06	3.378775358	2.805958509	0.019325927	0.000895186	18.97647476	0.001521084	0.004379161	4.40748E-05	0.000347426	0.000153394	0.158455327	2.29435E-06	0.000796116	0.000142378	0.000971593	0.000522223
2050 Dec	0.01541549	2.61769E-06	3.379121304	2.806212664	0.019328214	0.000895298	18.97839355	0.001521233	0.00437923	4.4076E-05	0.000347471	0.00015341	0.158473328	2.29442E-06	0.00079622	0.00014239	0.000971628	0.000522269
2051 Jan	0.015417947	2.61808E-06	3.381367922	2.807834625	0.019343292	0.000896041	18.99082756	0.00152219	0.004379364	4.40814E-05	0.000347768	0.000153513	0.158591524	2.29472E-06	0.000796913	0.000142465	0.0009718	0.000522564
2051 Feb	0.01541895	2.61824E-06	3.382264376	2.808482647	0.019349311	0.000896337	18.99579048	0.001522572	0.004379421	4.40836E-05	0.000347887	0.000153555	0.158638686	2.29484E-06	0.000797189	0.000142494	0.000971869	0.000522682
2051 Mar	0.015419148	2.61827E-06	3.382306099	2.808516979	0.019349556	0.000896348	18.99602318	0.001522591	0.004379475	4.40841E-05	0.000347891	0.000153557	0.158640638	2.29487E-06	0.000797199	0.000142496	0.000971881	0.000522689
2051 Apr	0.015420738	2.61854E-06	3.382653713	2.808805704	0.019351548	0.000896441	18.9979744	0.001522747	0.004379924	4.40887E-05	0.000347927	0.000153573	0.158656955	2.2951E-06	0.000797281	0.000142511	0.000971981	0.000522742
2051 May	0.015442505	2.62183E-06	3.396539688	2.81899333	0.019445114	0.000900946	19.07433319	0.001528698	0.00438224	4.41499E-05	0.000349729	0.000154214	0.159381583	2.2976E-06	0.000801472	0.000142998	0.000973295	0.000524614
2051 Jun	0.015628625	2.65013E-06	3.500787973	2.89402771	0.020191981	0.000935644	19.612957	0.001573364	0.004383041	4.47084E-05	0.000363771	0.000159039	0.164920136	2.30761E-06	0.000834032	0.000146972	0.000980439	0.000539288
2051 Jul	0.015678158	2.66206E-06	3.523891926	2.910583258	0.020353366	0.000943183	19.71857262	0.001583344	0.004385768	4.48336E-05	0.000366834	0.000160099	0.166127414	2.31081E-06	0.000841132	0.000147876	0.000982505	0.000543065
2051 Aug	0.015726175	2.67243E-06	3.547205925	2.927459002	0.020513475	0.000950771	19.83216667	0.001593407	0.004389414	4.49495E-05	0.000369884	0.000161171	0.167343974	2.31454E-06	0.00084823	0.000148737	0.00098467	0.000546662
2051 Sep	0.015782891	2.68473E-06	3.585002899	2.95443058	0.020774558	0.000963395	20.02170753	0.001609576	0.004390165	4.50649E-05	0.000374937	0.000162913	0.169341788	2.31836E-06	0.000860038	0.000150054	0.000987213	0.000552219
2051 Oct	0.015871188	2.70112E-06	3.646257162	2.998152971	0.021197602	0.000984054	20.33888435	0.001635742	0.00439006	4.52084E-05	0.000383166	0.00016574	0.172596902	2.3237E-06	0.00087929	0.000152149	0.000990947	0.000560817
2051 Nov	0.015883926	2.70316E-06	3.65408349	3.003819704	0.021250727	0.000986665	20.3807888	0.001639096	0.00439079	4.52288E-05	0.000384199	0.000166101	0.1730102	2.3247E-06	0.000881707	0.000152415	0.000991537	0.000561884
2051 Dec	0.015884718	2.70328E-06	3.654564857	3.004172802	0.021253943	0.000986822	20.38345528	0.001639302	0.004390873	4.52303E-05	0.000384261	0.000166123	0.173035413	2.32478E-06	0.000881853	0.000152432	0.00099158	0.000561948
2052 Jan	0.015884798	2.70329E-06	3.654588938	3.004190922	0.021254115	0.00098683	20.38358688	0.001639313	0.004390882	4.52305E-05	0.000384264	0.000166124	0.173036665	2.32479E-06	0.00088186	0.000152433	0.000991583	0.000561951
2052 Feb	0.015884934	2.70331E-06	3.654616117	3.004213333	0.021254297	0.000986838	20.38373756	0.001639325	0.004390909	4.52309E-05	0.000384267	0.000166125	0.173038006	2.3248E-06	0.000881867	0.000152434	0.000991589	0.000561955
2052 Mar	0.015885383	2.70338E-06	3.654715061	3.004294872	0.021254882	0.000986865	20.38428879	0.001639369	0.004391028	4.52321E-05	0.000384278	0.00016613	0.1730427	2.32487E-06	0.00088189	0.000152438	0.000991616	0.00056197
2052 Apr	0.015886316	2.70354E-06	3.654927015	3.004469156	0.021256121	0.000986922	20.38546944	0.001639464	0.004391283	4.52348E-05	0.0003843	0.000166139	0.173052728	2.325E-06	0.000881941	0.000152447	0.000991674	0.000562003
2052 May	0.015906345	2.7062E-06	3.661146641	3.009134054	0.021301676	0.000988918	20.41699409	0.00164217	0.004392914	4.52997E-05	0.000385098	0.000166426	0.173378587	2.32621E-06	0.000883793	0.000152713	0.000992326	0.00056292
2052 Jun	0.016022922	2.72099E-06	3.699035645	3.036972046	0.021588085	0.001001456	20.60590935	0.00165861	0.004396676	4.56579E-05	0.000390155	0.00016818	0.175399587	2.33043E-06	0.000895489	0.00015436	0.000995303	0.00056842
2052 Jul	0.016119981	2.73643E-06	3.740002155	3.066952944	0.021876153	0.001014846	20.81519127	0.001676312	0.004403295	4.59128E-05	0.000395524	0.00017007	0.177552059	2.3368E-06	0.00090796	0.000155934	0.000999022	0.000574372
2052 Aug	0.016167406	2.74566E-06	3.762602568	3.083467245	0.022030864	0.001022171	20.92837334	0.001686053	0.004407587	4.6036E-05	0.000398444	0.000171109	0.178729266	2.3408E-06	0.000914783	0.000156754	0.00100117	0.000577788
2052 Sep	0.016209679	2.75424E-06	3.788690567	3.102246761	0.022210578	0.001030816	21.06017113	0.001697218	0.004409292	4.61354E-05	0.000401884	0.000172311	0.180102766	2.34402E-06	0.000922848	0.000157655	0.001003068	0.000581635
2052 Oct	0.01624966	2.7606E-06	3.814680099	3.121070385	0.022388935	0.001039431	21.1990242	0.00170833	0.004411184	4.62297E-05	0.000405314	0.000173511	0.181473657	2.34737E-06	0.000930865	0.00015855	0.001005006	0.000585215
2052 Nov	0.016256386	2.76156E-06	3.819180965	3.12436223	0.022419333	0.001040905	21.22390366	0.001710255	0.004411783	4.6247E-05	0.0004059	0.000173719	0.181709573	2.3481E-06	0.000932233	0.000158703	0.001005395	0.000585816
2052 Dec	0.016256819	2.76162E-06	3.819420338	3.124539852	0.02242092	0.001040981	21.22522926	0.001710358	0.004411845	4.62481E-05	0.00040593	0.00017373	0.18172197	2.34815E-06	0.000932304	0.000158712	0.00100542	0.000585849

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2053 Jan	0.016256934	2.76164E-06	3.819459677	3.124569893	0.022421183	0.001040993	21.22544861	0.001710375	0.004411865	4.62484E-05	0.000405935	0.000173732	0.181723982	2.34817E-06	0.000932316	0.000158713	0.001005426	0.000585854
2053 Feb	0.016257126	2.76167E-06	3.819501638	3.124604225	0.022421448	0.001041005	21.2256813	0.001710394	0.004411909	4.6249E-05	0.00040594	0.000173734	0.181726024	2.34819E-06	0.000932326	0.000158715	0.001005436	0.00058586
2053 Mar	0.016257722	2.76177E-06	3.819639444	3.124716997	0.022422262	0.001041043	21.22644615	0.001710455	0.004412068	4.62507E-05	0.000405954	0.00017374	0.181732565	2.34827E-06	0.00093236	0.000158721	0.001005472	0.000585881
2053 Apr	0.016259538	2.76207E-06	3.820064306	3.12506485	0.022424759	0.001041158	21.22880745	0.001710646	0.004412558	4.62558E-05	0.000406	0.00017376	0.181752801	2.34854E-06	0.000932463	0.000158738	0.001005584	0.000585947
2053 May	0.016378203	2.77808E-06	3.912140608	3.191940784	0.023058133	0.001071537	21.73442459	0.001749848	0.004417618	4.66336E-05	0.000418132	0.000178022	0.186605558	2.36075E-06	0.000960803	0.000161893	0.001012378	0.000598303
2053 Jun	0.016578246	2.80279E-06	4.010362625	3.263393879	0.023780022	0.001104111	22.24430084	0.00179189	0.004419014	4.7366E-05	0.00043124	0.000182575	0.191833064	2.37057E-06	0.000991321	0.000165723	0.001018845	0.000612176
2053 Jul	0.016635707	2.81255E-06	4.032851219	3.280019999	0.023939217	0.001111306	22.35585594	0.001801619	0.004424148	4.75546E-05	0.000434133	0.00018361	0.193002924	2.37492E-06	0.000998041	0.000166626	0.001021183	0.000615632
2053 Aug	0.016704891	2.82277E-06	4.06393671	3.303095341	0.024155252	0.001121266	22.52048683	0.001815019	0.004431253	4.77825E-05	0.000438118	0.000185045	0.194620505	2.38116E-06	0.001007306	0.000167812	0.001024407	0.000620081
2053 Sep	0.016756572	2.83021E-06	4.092692852	3.324275017	0.02435364	0.001130569	22.67576599	0.001827348	0.004435976	4.79555E-05	0.000441838	0.000186375	0.196122706	2.38629E-06	0.001015972	0.00016886	0.001027085	0.000624086
2053 Oct	0.016788574	2.83502E-06	4.11653614	3.341623545	0.024517588	0.001138388	22.80496025	0.001837506	0.004437781	4.80649E-05	0.000444964	0.000187477	0.197375089	2.38971E-06	0.001023274	0.000169687	0.001028944	0.00062737
2053 Nov	0.016803067	2.83723E-06	4.128592014	3.350351095	0.024600541	0.001142368	22.87028694	0.001842632	0.004438248	4.81133E-05	0.000446554	0.000188035	0.198010281	2.39125E-06	0.001026993	0.000170098	0.001029802	0.000629023
2053 Dec	0.016803598	2.8373E-06	4.12900877	3.350655556	0.024603374	0.001142505	22.87259674	0.001842809	0.004438289	4.8115E-05	0.000446608	0.000188054	0.198032141	2.39131E-06	0.00102712	0.000170112	0.001029836	0.000629079
2054 Jan	0.016803684	2.83731E-06	4.12903595	3.350675821	0.024603562	0.001142513	22.87274361	0.001842821	0.004438301	4.81152E-05	0.000446612	0.000188056	0.198033527	2.39132E-06	0.001027127	0.000170113	0.00102984	0.000629082
2054 Feb	0.016803803	2.83732E-06	4.129061699	3.350696802	0.024603738	0.001142521	22.87288666	0.001842832	0.004438323	4.81155E-05	0.000446615	0.000188057	0.198034808	2.39133E-06	0.001027134	0.000170114	0.001029845	0.000629086
2054 Mar	0.016803861	2.83733E-06	4.12907362	3.350706577	0.024603823	0.001142524	22.87295341	0.001842838	0.004438333	4.81157E-05	0.000446616	0.000188057	0.198035404	2.39134E-06	0.001027137	0.000170115	0.001029848	0.000629088
2054 Apr	0.016805476	2.8376E-06	4.129468918	3.351027727	0.024606187	0.001142633	22.87514496	0.001843014	0.004438756	4.81203E-05	0.000446659	0.000188075	0.198054388	2.39156E-06	0.001027236	0.000170131	0.001029946	0.000629148
2054 May	0.016821843	2.83981E-06	4.135442257	3.355519056	0.024648778	0.001144525	22.90642929	0.0018456	0.004440454	4.81796E-05	0.000447416	0.000188351	0.198364571	2.39289E-06	0.001028994	0.000170375	0.001030616	0.000630018
2054 Jun	0.016959414	2.85726E-06	4.191265583	3.396090269	0.025074229	0.00116307	23.18365097	0.001869578	0.004439865	4.87043E-05	0.000454934	0.000190939	0.20134984	2.39741E-06	0.00104644	0.000172726	0.001034103	0.000638248
2054 Jul	0.0170353	2.87075E-06	4.226233959	3.421333313	0.025326503	0.001174589	23.35396385	0.001884621	0.004441869	4.89397E-05	0.000459594	0.000192552	0.203197092	2.40139E-06	0.001057267	0.000174097	0.00103675	0.000643598
2054 Aug	0.01709632	2.88197E-06	4.257440567	3.444024324	0.025544453	0.00118478	23.51129723	0.00189803	0.004445578	4.91201E-05	0.000463678	0.000193991	0.204833165	2.40604E-06	0.001066794	0.000175245	0.001039391	0.000648267
2054 Sep	0.017147409	2.8909E-06	4.287390709	3.465744257	0.025752598	0.001194634	23.6665802	0.001910861	0.004448103	4.92658E-05	0.000467617	0.000195374	0.206408784	2.41011E-06	0.001075993	0.000176312	0.00104174	0.000652592
2054 Oct	0.017181972	2.89688E-06	4.311061859	3.482794762	0.02591696	0.001202507	23.79033852	0.001920962	0.004448796	4.93579E-05	0.000470759	0.000196468	0.207660154	2.41276E-06	0.001083344	0.000177131	0.001043344	0.000655957
2054 Nov	0.017192695	2.89871E-06	4.318490505	3.488147259	0.02596833	0.001204981	23.82937622	0.001924131	0.004449042	4.93846E-05	0.000471744	0.000196811	0.208052889	2.41359E-06	0.001085651	0.000177386	0.001043845	0.000657006
2054 Dec	0.017195975	2.89914E-06	4.320797443	3.489827633	0.025984121	0.001205741	23.84215164	0.001925116	0.004449237	4.93937E-05	0.000472047	0.000196918	0.208174422	2.41392E-06	0.001086358	0.000177465	0.001044026	0.000657314
2055 Jan	0.017196132	2.89916E-06	4.320879459	3.48988843	0.025984693	0.001205768	23.8426075	0.001925151	0.004449249	4.93941E-05	0.000472058	0.000196922	0.208178744	2.41393E-06	0.001086383	0.000177468	0.001044034	0.000657325
2055 Feb	0.017196197	2.89917E-06	4.320892811	3.48989892	0.025984799	0.001205772	23.84267998	0.001925157	0.004449255	4.93943E-05	0.000472059	0.000196922	0.208179444	2.41394E-06	0.001086387	0.000177469	0.001044035	0.000657326
2055 Mar	0.017196389	2.8992E-06	4.320938587	3.489935875	0.025985086	0.001205785	23.84292984	0.001925177	0.0044493	4.93948E-05	0.000472065	0.000196924	0.208181649	2.41396E-06	0.001086398	0.000177471	0.001044046	0.000657333
2055 Apr	0.017197754	2.89942E-06	4.321278095	3.490210295	0.025987133	0.00120588	23.84480476	0.001925329	0.00444965	4.93987E-05	0.000472102	0.00019694	0.208198026	2.41415E-06	0.001086484	0.000177485	0.001044128	0.000657385
2055 May	0.017208368	2.90103E-06	4.326644421	3.494221449	0.026022691	0.001207581	23.874506	0.001927642	0.004451327	4.94294E-05	0.000472778	0.000197187	0.208474547	2.41546E-06	0.001088056	0.000177677	0.001044763	0.000658126
2055 Jun	0.017349998	2.92558E-06	4.417589188	3.559392929	0.026657065	0.001237902	24.3492527	0.0019666	0.004453026	4.97572E-05	0.000485029	0.000201392	0.213294134	2.4247E-06	0.001116462	0.000180994	0.001051236	0.000670972
2055 Jul	0.01740616	2.93868E-06	4.446007729	3.579703569	0.026853407	0.00124725	24.48462105	0.001978869	0.004455845	4.9873E-05	0.000488825	0.000202699	0.214784652	2.42836E-06	0.001125246	0.000182077	0.001053699	0.000675451
2055 Aug	0.017436795	2.94571E-06	4.458295345	3.588814735	0.026933616	0.001251087	24.54417229	0.00198422	0.004460767	4.99456E-05	0.000490359	0.00020326	0.215409622	2.43169E-06	0.001128811	0.000182536	0.001055357	0.000677445
2055 Sep	0.01746849	2.95322E-06	4.476782322	3.602055073	0.027059341	0.001257188	24.6351738	0.001992174	0.004462541	5.00031E-05	0.000492809	0.000204111	0.21637921	2.43414E-06	0.001134516	0.000183193	0.001056888	0.000680274
2055 Oct	0.017487979	2.95692E-06	4.488533497	3.610557318	0.027138833	0.001261053	24.69683456	0.001997224	0.004463982	5.00417E-05	0.000494358	0.000204652	0.216995493	2.43588E-06	0.001138117	0.000183609	0.001057913	0.000681955
2055 Nov	0.01749872	2.95867E-06	4.495710373	3.61575675	0.027187372	0.001263419	24.73584557	0.002000301	0.004464716	5.00635E-05	0.000495308	0.000204984	0.217372879	2.43691E-06	0.001140321	0.00018386	0.001058519	0.000682935
2055 Dec	0.017502036	2.95919E-06	4.498128891	3.617506027	0.02720375	0.001264219	24.74913979	0.002001336	0.004464906	5.00704E-05	0.000495629	0.000205096	0.217500299	2.43724E-06	0.001141067	0.000183944	0.001058714	0.00068326
2056 Jan	0.017502179	2.9592E-06	4.498169422	3.617537498	0.027204029	0.001264232	24.74936295	0.002001353	0.004464927	5.00707E-05	0.000495634	0.000205098	0.217502385	2.43725E-06	0.001141078	0.000183945	0.00105872	0.000683266
2056 Feb	0.017502295	2.95922E-06	4.49819231	3.617555857	0.027204199	0.001264238	24.74948692	0.002001364	0.004464944	5.0071E-05	0.000495637	0.000205099	0.217503548	2.43726E-06	0.001141084	0.000183947	0.001058724	0.000683269
2056 Mar	0.017502557	2.95926E-06	4.498256683	3.617607832	0.027204603	0.001264257	24.7498436	0.002001392	0.004465004	5.00717E-05	0.000495644	0.000205102	0.217506707	2.43729E-06	0.001141101	0.000183949	0.001058739	0.000683278
2056 Apr	0.017504198	2.95953E-06	4.498674393	3.617944241	0.02720714	0.001264374	24.75214195	0.002001578	0.00446542	5.00764E-05	0.00049569	0.000205121	0.217526913	2.43752E-06	0.001141207	0.000183966	0.001058837	0.000683342
2056 May	0.017539196	2.96327E-06	4.507390976	3.624552965	0.027274853	0.001267169	24.79686546	0.0020054	0.004467671	5.01987E-05	0.000496824	0.000205526	0.217988119	2.43909E-06	0.001143806	0.000184387	0.001059775	0.000684598
2056 Jun	0.017686684	2.98052E-06	4.546064854	3.652926207	0.027591137	0.001280059	24.97791862	0.002022252	0.004468015	5.07259E-05	0.000502105	0.000207322	0.220079795	2.44143E-06	0.001155941	0.000186295	0.001062294	0.000690528
2056 Jul	0.017756589	2.99081E-06	4.567361355	3.668873549	0.027744377	0.001286828	25.08513832	0.002031561	0.004474623	5.0938E-05	0.000504839	0.000208304	0.22118856	2.44601E-06	0.001162238	0.000187217	0.001064823	0.00069374
2056 Aug	0.017830066	3.00187E-06	4.595500469	3.689638138	0.027945017	0.00129593	25.2288208	0.002043748	0.004480118	5.11603E-05	0.000508501	0.000209603	0.222663358	2.45087E-06	0.001170724	0.000188341	0.001067579	0.000697902
2056 Sep	0.017882077	3.00961E-06	4.619420528	3.707239628	0.02811243	0.001303695	25.354702	0.002054056	0.00448423	5.13164E-05	0.000511613	0.000210708	0.22391656	2.45494E-06	0.001177956	0.000189249	0.001069825	0.000701335
2056 Oct	0.017926963	3.01658E-06	4.646713257	3.726956129	0.028304439	0.001312764	25.49765205	0.002065722	0.004485134	5.14449E-05	0.000515244	0.00021197	0.225361764	2.45796E-06	0.001186429	0.00019023	0.001071708	0.000705221
2056 Nov	0.017939813	3.01851E-06	4.655222416	3.73312664	0.028363364	0.001315578	25.54326248	0.002069355	0.004485652	5.14813E-05	0.000516367	0.000212364	0.225810736	2.45905E-06	0.001189053	0.000190528	0.001072337	0.000706409
2056 Dec	0.017940432	3.0186E-06	4.655581951	3.733391523	0.0283658	0.001315695	25.54525185	0.002069509	0.004485717	5.14831E-05	0.000516414	0.00021238	0.225829512	2.45911E-06	0.001189161	0.000190541	0.001072371	0.000706458
2057 Jan	0.01794056	3.01861E-06	4.655615807	3.733417749	0.028366031	0.001315705	25.54543686	0.002069524	0.004485737	5.14834E-05	0.000516418	0.000212382	0.225831226	2.45913E-06	0.00118917	0.000190543	0.001072377	0.000706462
2057 Feb	0.017940652	3.01862E-06	4.655635834	3.733433962	0.02836618	0.001315711	25.54554749	0.002069533	0.00448575	5.14836E-05	0.00051642	0.000212383	0.225832254	2.45913E-06	0.001189176	0.000190543	0.00107238	0.000706465
2057 Mar	0.017941115	3.0187E-06	4.655751705	3.733527184	0.028366897	0.001315744	25.54618454	0.002069585	0.004485861	5.1485E-05	0.000516433	0.000212388	0.225837901	2.45919E-06	0.001189206	0.000190548	0.001072406	0.000706483
2057 Apr	0.017942896	3.01899E-06	4.656210423	3.733895302	0.028369699	0.001315874	25.54870224	0.002069789	0.004486304	5.14901E-05	0.000516484	0.000212409	0.225860164	2.45944E-06	0.001189323	0.000190567	0.001072512	0.000706552
2057 May	0.017957192	3.02093E-06	4.660215378	3.736989498	0.028397664	0.001317098	25.56991577	0.002071545	0.004488381	5.15376E-05	0.000516973	0.000212593	0.226064548	2.46071E-06	0.00119045	0.00019074	0.001073121	0.000707144
2057 Jun	0.018107535	3.03996E-06	4.710273266	3.773420334	0.028785089	0.001333779	25.81468773	0.002093226	0.00448914	5.20385E-05	0.000523776	0.000214915	0.228751928	2.46453E-06	0.001206126	0.000192982	0.001076522	0.000714617
2057 Jul	0.018172232	3.05093E-06	4.733346939	3.790400743	0.028949311	0.001341211	25.92811584	0.002103263	0.00449434	5.22218E-05	0.000526787	0.000215978	0.229957223	2.46868E-06	0.001213071	0.000193944	0.001078965	0.00071818
2057 Aug	0.018222243	3.05953E-06	4.751124382	3.803866625	0.029067624	0.001346701	26.02087402	0.002111019	0.004502573	5.23658E-05	0.000528978	0.000216794	0.230861813	2.47402E-06	0.001218144	0.000194643	0.001081544	0.000720866
2057 Sep	0.018270506	3.06755E-06	4.776371956	3.822309494	0.029242555	0.001354928	26.15281868	0.002121873	0.004506169	5.25048E-05	0.00053228	0.000217959	0.232184455	2.47807E-06	0.00122582	0.000195581	0.00108382	0.000724535
2057 Oct	0.018315285	3.07467E-06	4.807720661	3.844994545	0.029458959	0.001365282	26.32070541	0.002135256	0.004507929	5.26329E-05	0.000536431	0.000219409	0.233837053	2.48207E-06	0.001235494	0.000196684	0.001086173	0.000728936
2057 Nov	0.018329108	3.07663E-06	4.817734241	3.852274895	0.029527541	0.001368577	26.37570763	0.002139529	0.00450872	5.26732E-05	0.000537751	0.000219872	0.234363958	2.48348E-06	0.001238567	0.000197033	0.001086967	0.000730303
2057 Dec	0.018330129	3.07677E-06	4.818497181	3.852831841	0.029532701	0.001368827	26.37993813	0.002139855	0.004508806	5.26762E-05	0.00053785	0.000219908	0.234403968	2.4836E-06	0.001238799	0.000197059	0.001087032	0.000730407
2058 Jan	0.018330358	3.0768E-06	4.818672657	3.852959394	0.029533904	0.001368885	26.38090897	0.00213993	0.004508818	5.26768E-05	0.000537874	0.000219916	0.234413207	2.48362E-06	0.001238853	0.000197065	0.001087045	0.00073043
2058 Feb	0.018330434	3.07681E-06	4.818699837	3.852979898	0.029534096	0.001368893	26.38105583	0.002139942	0.004508826	5.2677E-05	0.000537877	0.000219917	0.234414607	2.48363E-06	0.001238861	0.000197066	0.001087048	0.000730434
2058 Mar	0.018330593	3.07683E-06	4.818737984	3.853010654	0.029534342	0.001368904	26.38126755	0.002139959	0.004508861	5.26775E-05	0.000537881	0.000219919	0.234416485	2.48365E-06	0.001238871	0.000197068	0.001087057	0.00073044
2058 Apr	0.018331716	3.07702E-06	4.819030762	3.85324502	0.029536141	0.001368987	26.38287163	0.002140089	0.004509135	5.26807E-05	0.000537914	0.000219932	0.23443073	2.4838E-06	0.001238946	0.00019708	0.001087123	0.000730484
2058 May	0.018468259	3.09719E-06	4.954397678	3.951240301	0.030457886	0.001413615	27.13070488	0.002197539	0.004514221	5.31562E-05	0.000555761	0.000226199	0.241553605	2.50165E-06	0.001280655	0.000201595	0.00109691	0.000748977
2058 Jun	0.018771622	3.13607E-06	5.154735565	4.096413136	0.031889349	0.001479974	28.19961929	0.002282848	0.004514865	5.43229E-05	0.000582434	0.000235484	0.252176017	2.52301E-06	0.001342853	0.000208927	0.001110058	0.000777176
2058 Jul	0.018824492	3.14538E-06	5.174637794	4.111113071	0.03203135	0.001486331	28.29614639	0.002291465	0.004519371	5.45007E-05	0.000584996	0.0002364	0.253210992	2.52681E-06	0.001348802	0.000209741	0.00111213	0.000780346
2058 Aug	0.018892497	3.15522E-06	5.20276022	4.131976604	0.032230534	0.001495358	28.44275665	0.002303604	0.004525312	5.47319E-05	0.00058862	0.000237699	0.254678935	2.53214E-06	0.001357217	0.00021085	0.001114968	0.000784486
2058 Sep	0.018946756	3.16434E-06	5.234490871	4.154987335	0.032454498	0.001505808	28.60578346	0.002317166	0.00452715	5.49122E-05	0.000592802	0.000239164	0.25635159	2.53613E-06	0.001366994	0.000212006	0.001117292	0.000789188
2058 Oct	0.018996639	3.1717E-06	5.270122528	4.180818558	0.032702111	0.001517592	28.79721451	0.002332345	0.004528694	5.50717E-05	0.000597508	0.000240813	0.258232325	2.54054E-06	0.001377995	0.000213248	0.001119817	0.000794201
2058 Nov	0.019010788	3.17367E-06	5.281051636	4.188766003	0.032777142	0.001521191	28.85720634	0.002336998	0.004529409	5.51173E-05	0.000598944	0.000241318	0.2588076	2.54205E-06	0.001381351	0.000213623	0.001120642	0.000795705
2058 Dec	0.019011432	3.17376E-06	5.28155899	4.189136505	0.032780591	0.001521358	28.8600235	0.002337215	0.004529456	5.51193E-05	0.000599011	0.000241342	0.258834243	2.54212E-06	0.001381506	0.000213641	0.001120682	0.000795775
2059 Jan	0.019011619	3.17378E-06	5.281703472	4.189241886	0.032781586	0.001521405	28.86082458	0.002337276	0.004529464	5.51199E-05	0.00059903	0.000241349	0.258841872	2.54214E-06	0.00138155	0.000213645	0.001120693	0.000795794
2059 Feb	0.019011687	3.17378E-06	5.281719685	4.189254284	0.032781709	0.00152141	28.86091232	0.002337283	0.004529472	5.51201E-05	0.000599032	0.000241349	0.258842677	2.54215E-06	0.001381555	0.000213646	0.001120695	0.000795797
2059 Mar	0.019011727	3.17379E-06	5.281728745	4.189261436	0.032781776	0.001521413	28.86096001	0.002337287	0.004529476	5.51202E-05	0.000599033	0.00024135	0.258843154	2.54215E-06	0.001381557	0.000213647	0.001120696	0.000795798
2059 Apr	0.019013114	3.17402E-06	5.282112598	4.189565659	0.032784168	0.001521524	28.86306	0.002337457	0.004529804	5.51242E-05	0.000599076	0.000241367	0.258861989	2.54234E-06	0.001381658	0.000213662	0.001120778	0.000795856
2059 May	0.019052541	3.1787E-06	5.303334713	4.205190182	0.032934144	0.001528445	28.97862244	0.002346541	0.004532249	5.52672E-05	0.000601847	0.00024235	0.259978652	2.54561E-06	0.00138811	0.000214454	0.001122557	0.000798805
2059 Jun	0.019188814	3.19494E-06	5.363730431	4.249466419	0.033380996	0.001548315	29.29265976	0.002372449	0.004535513	5.57866E-05	0.000609849	0.00024515	0.263184935	2.55271E-06	0.001406715	0.000216881	0.001126952	0.000807542
2059 Jul	0.019241445	3.20349E-06	5.383347511	4.264276981	0.033514243	0.001554425	29.39525986	0.002380972	0.004543285	5.59541E-05	0.000612288	0.000246052	0.264189422	2.55808E-06	0.001412374	0.000217654	0.001129558	0.000810495
2059 Aug	0.019284213	3.21071E-06	5.400903225	4.277469635	0.033632688	0.001559917	29.48724365	0.002388575	0.004549679	5.6091E-05	0.000614475	0.00024686	0.265089184	2.56271E-06	0.001417465	0.000218323	0.001131783	0.000813135
2059 Sep	0.019334272	3.21896E-06	5.430211067	4.298845768	0.033837214	0.001569498	29.64015198	0.002401108	0.004552628	5.62591E-05	0.000618303	0.000248213	0.266627312	2.56703E-06	0.001426412	0.000219382	0.001134149	0.000817442
2059 Oct	0.019406648	3.23039E-06	5.48266983	4.336583138	0.034206081	0.001587042	29.91547394	0.002423421	0.00455204	5.64781E-05	0.000625296	0.000250638	0.269411713	2.57199E-06	0.001442805	0.000221205	0.001137267	0.000824987
2059 Nov	0.019427624	3.23322E-06	5.496954441	4.346959591	0.034305185	0.001591782	29.99307632	0.002429511	0.004552794	5.65383E-05	0.000627181	0.000251299	0.270166874	2.57376E-06	0.001447216	0.000221701	0.001138277	0.000826968

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2059 Dec	0.019428467	3.23333E-06	5.497576237	4.347413063	0.034309424	0.001591987	29.9965229	0.002429776	0.004552847	5.65407E-05	0.000627263	0.000251328	0.270199567	2.57385E-06	0.001447406	0.000221722	0.001138325	0.000827053
2060 Jan	0.019428615	3.23334E-06	5.49763155	4.347454548	0.034309808	0.001592004	29.99682999	0.0024298	0.004552867	5.65411E-05	0.00062727	0.00025133	0.270202428	2.57386E-06	0.001447422	0.000221725	0.001138331	0.000827061
2060 Feb	0.019428734	3.23336E-06	5.49766016	4.347477436	0.034310006	0.001592012	29.99698448	0.002429812	0.004552885	5.65415E-05	0.000627273	0.000251332	0.270203888	2.57387E-06	0.00144743	0.000221726	0.001138336	0.000827065
2060 Mar	0.019428998	3.2334E-06	5.497730255	4.347533226	0.034310456	0.001592033	29.99736786	0.002429843	0.004552944	5.65422E-05	0.000627281	0.000251335	0.270207316	2.57391E-06	0.001447448	0.000221729	0.00113835	0.000827075
2060 Apr	0.019430993	3.23373E-06	5.498291016	4.347976685	0.034313962	0.001592195	30.00042725	0.002430091	0.004553408	5.6548E-05	0.000627345	0.000251361	0.270234913	2.57417E-06	0.001447596	0.000221752	0.001138467	0.00082716
2060 May	0.019534996	3.24516E-06	5.556073189	4.390320301	0.034726281	0.001611225	30.3151226	0.002454784	0.004557294	5.69212E-05	0.000634958	0.000254039	0.273292452	2.58171E-06	0.001465341	0.000223899	0.00114277	0.000835151
2060 Jun	0.019689789	3.26259E-06	5.611124516	4.430726528	0.035154033	0.001629463	30.58986092	0.002478475	0.004558043	5.75305E-05	0.000642325	0.000256594	0.276241302	2.58653E-06	0.001482455	0.000226294	0.001146279	0.000843396
2060 Jul	0.019740036	3.27115E-06	5.627411366	4.443089008	0.035265423	0.001634485	30.67198753	0.002485586	0.004565454	5.76898E-05	0.000644331	0.000257342	0.277071387	2.59132E-06	0.001487105	0.000226963	0.001148596	0.000845959
2060 Aug	0.019798776	3.28134E-06	5.651907444	4.461121559	0.035439506	0.001642389	30.79299927	0.002496149	0.004569921	5.78854E-05	0.000647489	0.00025847	0.278350472	2.59559E-06	0.001494481	0.000227912	0.001150887	0.000849796
2060 Sep	0.019872477	3.29356E-06	5.691520691	4.489683151	0.035725627	0.00165562	30.99180794	0.002513096	0.004569921	5.81156E-05	0.000652764	0.000260301	0.280456722	2.59922E-06	0.001506846	0.000229363	0.00115329	0.000855768
2060 Oct	0.019914787	3.3001E-06	5.717880726	4.508768559	0.035910506	0.001664394	31.13048744	0.002524349	0.00457092	5.82352E-05	0.000656249	0.00026152	0.281852484	2.6022E-06	0.001515015	0.000230286	0.001155055	0.00085957
2060 Nov	0.019937031	3.30309E-06	5.732468128	4.51935482	0.036012504	0.001669248	31.20930672	0.002530572	0.004571482	5.82993E-05	0.00065818	0.000262195	0.282625377	2.60389E-06	0.001519533	0.000230795	0.001156044	0.000861606
2060 Dec	0.019940296	3.30351E-06	5.734897137	4.52112484	0.036029141	0.00167005	31.22278214	0.002531607	0.004571663	5.83087E-05	0.000658498	0.000262307	0.282753378	2.60423E-06	0.001520278	0.000230877	0.001156227	0.000861938
2061 Jan	0.01994068	3.30356E-06	5.73515749	4.521315098	0.036030933	0.001670136	31.22422409	0.002531718	0.004571683	5.83098E-05	0.000658532	0.000262319	0.282767087	2.60426E-06	0.001520358	0.000230886	0.001156247	0.000861973
2061 Feb	0.019940764	3.30356E-06	5.735180855	4.521332741	0.036031112	0.001670143	31.22435379	0.002531728	0.00457169	5.831E-05	0.000658535	0.00026232	0.282768339	2.60427E-06	0.001520365	0.000230887	0.001156249	0.000861977
2061 Mar	0.019940941	3.30359E-06	5.735233784	4.521374226	0.036031466	0.001670159	31.22464371	0.002531752	0.004571723	5.83105E-05	0.000658542	0.000262323	0.282771021	2.60429E-06	0.001520379	0.000230889	0.001156259	0.000861984
2061 Apr	0.019942913	3.30391E-06	5.735797882	4.521818638	0.036035016	0.001670323	31.22771454	0.002532001	0.004572172	5.83163E-05	0.000658606	0.000262349	0.282798827	2.60454E-06	0.001520529	0.000230912	0.001156372	0.000862069
2061 May	0.020081261	3.31933E-06	5.820754051	4.583938599	0.036635716	0.001698341	31.69390106	0.002568254	0.00457712	5.88075E-05	0.000669801	0.000266288	0.287292361	2.61555E-06	0.001546648	0.000233986	0.001162594	0.000873777
2061 Jun	0.020297188	3.34378E-06	5.913959503	4.651937962	0.037341513	0.001729336	32.17153168	0.002608186	0.004576282	5.96534E-05	0.000682285	0.000270614	0.292278022	2.62352E-06	0.001575711	0.000237788	0.001168244	0.00088746
2061 Jul	0.020361796	3.35394E-06	5.936741829	4.669035912	0.037501402	0.001736516	32.28762054	0.002618082	0.004583708	5.98664E-05	0.000685161	0.000271663	0.293455034	2.62891E-06	0.001582383	0.000238716	0.001170976	0.000890962
2061 Aug	0.02041045	3.36177E-06	5.955385685	4.683057308	0.037629109	0.001742361	32.38478088	0.002626166	0.00459032	6.00241E-05	0.000687493	0.000272521	0.294413507	2.63368E-06	0.001587804	0.000239444	0.001173303	0.000893782
2061 Sep	0.020470822	3.37063E-06	5.988173008	4.707033634	0.037860867	0.001753089	32.55725479	0.002640202	0.004593448	6.0234E-05	0.000691787	0.000274037	0.296138853	2.63838E-06	0.001597823	0.000240658	0.001175928	0.000898573
2061 Oct	0.020552123	3.38307E-06	6.049572468	4.7512784	0.038291603	0.001773565	32.88287354	0.002666303	0.004593086	6.04966E-05	0.000699955	0.000276877	0.299393952	2.64455E-06	0.001616961	0.000242783	0.001179688	0.000907404
2061 Nov	0.020582974	3.38759E-06	6.074095726	4.768996239	0.038461413	0.00178173	33.01544189	0.002676728	0.004593506	6.05882E-05	0.000703204	0.000278012	0.300691694	2.64729E-06	0.001624574	0.000243615	0.001181278	0.00091086
2061 Dec	0.020584002	3.38773E-06	6.074916363	4.769594193	0.038466979	0.001782	33.02000046	0.002677077	0.004593579	6.05912E-05	0.000703312	0.00027805	0.300734818	2.64741E-06	0.001624826	0.000243643	0.001181342	0.000910973
2062 Jan	0.020584224	3.38776E-06	6.075052738	4.769694328	0.03846791	0.001782045	33.02075195	0.002677135	0.004593598	6.05918E-05	0.000703329	0.000278056	0.300741971	2.64743E-06	0.001624867	0.000243647	0.001181354	0.000910992
2062 Feb	0.020584352	3.38777E-06	6.075085163	4.769720078	0.038468145	0.001782054	33.02093124	0.00267715	0.004593616	6.05922E-05	0.000703333	0.000278058	0.30074361	2.64744E-06	0.001624876	0.000243649	0.001181359	0.000910997
2062 Mar	0.02058498	3.38787E-06	6.075270653	4.769865513	0.038469333	0.001782109	33.02193832	0.002677231	0.00459375	6.0594E-05	0.000703355	0.000278066	0.300752848	2.64752E-06	0.001624926	0.000243656	0.001181394	0.000911025
2062 Apr	0.020587131	3.38823E-06	6.075902462	4.770361423	0.038473338	0.001782294	33.02537155	0.00267751	0.004594228	6.06003E-05	0.000703428	0.000278095	0.300784111	2.6478E-06	0.001625095	0.000243682	0.001181517	0.000911119
2062 May	0.020593224	3.38922E-06	6.077784061	4.771831989	0.038485318	0.001782851	33.03561783	0.002678337	0.004595562	6.06183E-05	0.000703648	0.000278181	0.30087769	2.64858E-06	0.001625603	0.000243756	0.001181867	0.0009114
2062 Jun	0.02065886	3.40289E-06	6.116102695	4.799012184	0.03875532	0.001795699	33.22495651	0.002694797	0.00459528	6.07508E-05	0.000708873	0.000279949	0.302912742	2.65167E-06	0.001637684	0.000245214	0.001184486	0.000917279
2062 Jul	0.020720886	3.41679E-06	6.148591995	4.82221365	0.038980812	0.001806438	33.38227463	0.002708804	0.004597721	6.08781E-05	0.000713234	0.000281444	0.304622501	2.6555E-06	0.001647772	0.000246452	0.00118716	0.000922418
2062 Aug	0.020776635	3.42901E-06	6.181533337	4.845936775	0.039204706	0.001817259	33.54840469	0.002722958	0.004601325	6.09965E-05	0.000717577	0.00028296	0.306347966	2.66021E-06	0.001657887	0.000247616	0.001189953	0.00092747
2062 Sep	0.020819586	3.43896E-06	6.21397543	4.869105816	0.039425787	0.001828071	33.71360397	0.002736812	0.004602248	6.1078E-05	0.000721894	0.000284456	0.30805859	2.66376E-06	0.001667991	0.000248709	0.001192182	0.000932374
2062 Oct	0.020912489	3.45829E-06	6.301038265	4.931095123	0.040017955	0.001857454	34.17260361	0.002773821	0.004600318	6.12036E-05	0.000733564	0.000288474	0.312678695	2.67132E-06	0.001695377	0.000251523	0.001197175	0.000944974
2062 Nov	0.020928824	3.46091E-06	6.31400919	4.940484047	0.040104929	0.001861767	34.24394989	0.002779353	0.004601323	6.12313E-05	0.000735272	0.000289073	0.313362241	2.67305E-06	0.001699377	0.000251948	0.00119814	0.000946773
2062 Dec	0.020929594	3.46104E-06	6.31466341	4.940959454	0.040109254	0.001861983	34.24758148	0.002779632	0.004601398	6.12327E-05	0.000735358	0.000289103	0.313396543	2.67315E-06	0.001699577	0.000251969	0.001198194	0.000946863
2063 Jan	0.020929771	3.46107E-06	6.314773083	4.941040516	0.040109988	0.001862018	34.24818802	0.002779679	0.004601417	6.1233E-05	0.000735372	0.000289108	0.313402265	2.67317E-06	0.00169961	0.000251973	0.001198204	0.000946879
2063 Feb	0.020929897	3.46108E-06	6.314818382	4.941074848	0.040110301	0.001862033	34.24843597	0.002779698	0.004601435	6.12334E-05	0.000735377	0.00028911	0.31340459	2.67319E-06	0.001699623	0.000251974	0.00119821	0.000946885
2063 Mar	0.020930072	3.46111E-06	6.31487608	4.941119194	0.040110685	0.00186205	34.24875259	0.002779724	0.004601467	6.12339E-05	0.000735384	0.000289113	0.31340754	2.67321E-06	0.001699639	0.000251977	0.001198219	0.000946894
2063 Apr	0.020931272	3.46131E-06	6.315235138	4.941400051	0.040112969	0.001862156	34.25069809	0.002779881	0.004601729	6.12374E-05	0.000735426	0.00028913	0.313425362	2.67336E-06	0.001699735	0.000251991	0.001198287	0.000946947
2063 May	0.020963753	3.46471E-06	6.324099064	4.948091984	0.040181227	0.001865024	34.29654694	0.002783745	0.004603643	6.13518E-05	0.000736578	0.000289541	0.313895315	2.67483E-06	0.001702397	0.000252398	0.001199142	0.000948245
2063 Jun	0.021191036	3.48813E-06	6.37848568	4.988064766	0.040643234	0.001883405	34.54965591	0.002807449	0.004601005	6.21778E-05	0.000744084	0.000292072	0.316871703	2.67609E-06	0.001719674	0.000255188	0.001201901	0.000956749
2063 Jul	0.02124613	3.49862E-06	6.395923138	5.000696182	0.040773712	0.001889108	34.62539291	0.002815041	0.004603124	6.23426E-05	0.000746406	0.000292873	0.317791551	2.67819E-06	0.001725044	0.000255962	0.001203406	0.000959776
2063 Aug	0.021300504	3.5071E-06	6.414618015	5.014757633	0.040903065	0.001894993	34.72225189	0.002823186	0.004609929	6.25044E-05	0.000748762	0.000293734	0.318755835	2.68285E-06	0.001730496	0.00025672	0.001205779	0.000962608
2063 Sep	0.021351598	3.51524E-06	6.438300133	5.032052994	0.041070618	0.00190276	34.84402084	0.002833385	0.004612828	6.2651E-05	0.000751874	0.000294828	0.320002913	2.68626E-06	0.001737735	0.000257621	0.001207784	0.000966158
2063 Oct	0.021402916	3.52301E-06	6.471050262	5.055705547	0.041300453	0.00191367	35.01754379	0.002847373	0.00461367	6.27935E-05	0.000756237	0.000296343	0.321739018	2.68978E-06	0.001747918	0.000258789	0.001209997	0.000970893
2063 Nov	0.021423109	3.52575E-06	6.484920502	5.065783024	0.041396327	0.00191826	35.09349442	0.002853293	0.00461452	6.28505E-05	0.00075807	0.000296985	0.322471529	2.69157E-06	0.001752194	0.000259274	0.001211028	0.000972833
2063 Dec	0.021426573	3.5262E-06	6.487399101	5.067589283	0.041413337	0.001919077	35.10725403	0.00285435	0.004614717	6.28606E-05	0.000758396	0.0002971	0.322602093	2.69191E-06	0.001752955	0.00025936	0.001211222	0.000973175
2064 Jan	0.021426942	3.52625E-06	6.487658501	5.067778587	0.04141511	0.001919162	35.10869598	0.002854461	0.004614743	6.28616E-05	0.00075843	0.000297112	0.322615743	2.69195E-06	0.001753034	0.000259369	0.001211243	0.00097321
2064 Feb	0.021427123	3.52627E-06	6.487720966	5.067826271	0.041415539	0.001919182	35.10903549	0.002854488	0.004614769	6.28622E-05	0.000758438	0.000297115	0.322618932	2.69197E-06	0.001753052	0.000259372	0.001211251	0.000973219
2064 Mar	0.021427864	3.52639E-06	6.487940311	5.067997456	0.041416947	0.001919247	35.11022568	0.002854585	0.004614925	6.28643E-05	0.000758464	0.000297125	0.322629839	2.69206E-06	0.001753111	0.000259381	0.001211292	0.000973252
2064 Apr	0.021429187	3.52661E-06	6.488337517	5.068308353	0.041419491	0.001919364	35.11237335	0.00285476	0.004615208	6.28682E-05	0.00075851	0.000297143	0.322649598	2.69223E-06	0.001753218	0.000259397	0.001211367	0.000973312
2064 May	0.021549311	3.54153E-06	6.57557869	5.131772995	0.042027488	0.001948164	35.59209061	0.002891911	0.004619119	6.32846E-05	0.000770034	0.000301186	0.327257276	2.70334E-06	0.001780104	0.000262464	0.001217676	0.000985506
2064 Jun	0.021784376	3.56856E-06	6.686979771	5.212920666	0.042857599	0.00198517	36.17188263	0.002939579	0.004618802	6.41915E-05	0.000784946	0.000306355	0.333202928	2.71358E-06	0.001814798	0.0002669	0.00122468	0.001001853
2064 Jul	0.021846298	3.57834E-06	6.708605289	5.229025841	0.043012284	0.001992055	36.27971649	0.002948964	0.004624478	6.43971E-05	0.000787714	0.000307351	0.334327608	2.71801E-06	0.001821219	0.000267792	0.001227039	0.001005251
2064 Aug	0.021912992	3.58861E-06	6.737013817	5.249895573	0.043215927	0.002001286	36.42397308	0.002961199	0.004628492	6.46206E-05	0.000791417	0.000308663	0.335819691	2.72243E-06	0.001829846	0.000268896	0.001229518	0.001009604
2064 Sep	0.022004806	3.60193E-06	6.79018259	5.288460732	0.043593973	0.00201892	36.70360565	0.002983925	0.00463027	6.49154E-05	0.000798467	0.000311124	0.338637114	2.72842E-06	0.001846314	0.000270822	0.001233154	0.001017396
2064 Oct	0.022051116	3.60852E-06	6.824244022	5.313211918	0.043828636	0.002030169	36.88961411	0.002998437	0.004632295	6.5057E-05	0.000802949	0.000312701	0.340432912	2.73292E-06	0.001856796	0.000271987	0.001235652	0.001022218
2064 Nov	0.022064362	3.61039E-06	6.835459709	5.321374416	0.043904878	0.002033857	36.95192337	0.003003208	0.004633111	6.50992E-05	0.000804419	0.00031322	0.341022372	2.73454E-06	0.001860233	0.000272363	0.001236514	0.001023781
2064 Dec	0.022066308	3.61066E-06	6.83717823	5.322623253	0.043916568	0.002034423	36.96147537	0.003003939	0.004633213	6.51054E-05	0.000804644	0.000313299	0.341112822	2.73478E-06	0.001860761	0.00027242	0.001236642	0.001024021
2065 Jan	0.022066502	3.61068E-06	6.837338924	5.322740555	0.04391766	0.002034476	36.96236801	0.003004007	0.004633226	6.5106E-05	0.000804665	0.000313307	0.341121256	2.7348E-06	0.00186081	0.000272426	0.001236654	0.001024043
2065 Feb	0.022066643	3.6107E-06	6.837380409	5.32277298	0.043917943	0.002034489	36.96259308	0.003004025	0.004633251	6.51064E-05	0.00080467	0.000313309	0.341123343	2.73482E-06	0.001860821	0.000272427	0.001236661	0.001024049
2065 Mar	0.02206748	3.61084E-06	6.837635994	5.322971344	0.043919586	0.002034565	36.963974	0.003004138	0.004633424	6.51089E-05	0.0008047	0.00031332	0.341136098	2.73492E-06	0.001860891	0.000272438	0.001236707	0.001024087
2065 Apr	0.022069873	3.61123E-06	6.838374615	5.323546886	0.043924339	0.002034785	36.96796799	0.003004462	0.004633925	6.51159E-05	0.000804787	0.000313354	0.341172963	2.73521E-06	0.001861092	0.000272467	0.001236841	0.001024198
2065 May	0.022177763	3.6256E-06	6.928010464	5.38868475	0.044541787	0.002064333	37.46282578	0.003042562	0.004638047	6.54972E-05	0.000816587	0.000317506	0.345896572	2.74707E-06	0.001888674	0.000275521	0.001243334	0.001036772
2065 Jun	0.022327201	3.64338E-06	6.988410473	5.432720184	0.045004327	0.002084401	37.76650238	0.00306848	0.004637244	6.6088E-05	0.000824703	0.000320309	0.349130034	2.75197E-06	0.001907533	0.000278058	0.001247005	0.001045966
2065 Jul	0.022398857	3.6549E-06	7.016520023	5.453654766	0.045200869	0.002093334	37.91070557	0.00308065	0.00464493	6.63219E-05	0.000828287	0.000321604	0.350587279	2.75804E-06	0.001915851	0.000279177	0.001250153	0.001050287
2065 Aug	0.022462817	3.66537E-06	7.047195911	5.476333618	0.045412712	0.002103175	38.07143402	0.003093854	0.004651525	6.65313E-05	0.000832222	0.000323019	0.35218212	2.76408E-06	0.001925015	0.000280325	0.001253265	0.001054902
2065 Sep	0.022528529	3.6778E-06	7.09658289	5.511797905	0.045758046	0.00211962	38.32624817	0.003114864	0.004651375	6.67361E-05	0.000838785	0.0003253	0.3547948	2.76909E-06	0.001940407	0.000282028	0.001256334	0.001062369
2065 Oct	0.022610148	3.69274E-06	7.170174599	5.564511299	0.046264764	0.002144328	38.716259	0.003146095	0.004650034	6.69327E-05	0.00084859	0.0003287	0.358697057	2.77597E-06	0.00196345	0.000284446	0.001260558	0.001073154
2065 Nov	0.022633867	3.69648E-06	7.190876007	5.579466343	0.046405315	0.002151225	38.82946777	0.003154894	0.004650817	6.69876E-05	0.000851322	0.000329656	0.359790266	2.77846E-06	0.001969862	0.000285123	0.001261953	0.001076089
2065 Dec	0.02263567	3.69677E-06	7.192803383	5.580860615	0.046418201	0.002151863	38.84019852	0.003155712	0.004650918	6.69919E-05	0.000851575	0.000329746	0.359891623	2.77872E-06	0.001970456	0.000285184	0.00126209	0.001076359
2066 Jan	0.022636345	3.69688E-06	7.193484306	5.581354141	0.046422757	0.002152088	38.8439827	0.003156001	0.004650962	6.69936E-05	0.000851665	0.000329777	0.359927386	2.77881E-06	0.001970665	0.000285206	0.00126214	0.001076454
2066 Feb	0.022636821	3.69696E-06	7.193769455	5.58156538	0.046424657	0.00215218	38.84555817	0.003156123	0.004651026	6.69949E-05	0.000851701	0.00032979	0.359942198	2.77887E-06	0.00197075	0.000285216	0.001262169	0.001076495
2066 Mar	0.022638129	3.69717E-06	7.194178104	5.581882954	0.04642731	0.002152302	38.84776306	0.003156302	0.004651291	6.69987E-05	0.000851749	0.000329809	0.359962672	2.77903E-06	0.001970862	0.000285232	0.001262241	0.001076556
2066 Apr	0.02263982	3.69744E-06	7.194711208	5.582296848	0.046430755	0.002152462	38.85064316	0.003156536	0.004651636	6.70037E-05	0.000851813	0.000329833	0.359989345	2.77924E-06	0.001971008	0.000285253	0.001262335	0.001076636
2066 May	0.02264973	3.69885E-06	7.197739124	5.584622383	0.046451632	0.002153393	38.86671066	0.00315786	0.004653114	6.70359E-05	0.000852183	0.000329973	0.36014396	2.78017E-06	0.001971866	0.000285379	0.001262778	0.001077089
2066 Jun	0.022781396	3.71757E-06	7.252923489	5.624415874	0.046865482	0.002171904	39.13977051	0.0031816	0.004652126	6.74499E-05	0.000859676	0.000332528	0.363100648	2.784E-06	0.001989238	0.000287657	0.001266134	0.001085615
2066 Jul	0.022868741	3.73281E-06	7.291490078	5.652793884	0.047130886	0.002184325	39.33824158	0.003198275	0.004660834	6.76869E-05	0.000864668	0.000334304	0.365107924	2.79137E-06	0.002000807	0.000289141	0.001270177	0.001091507
2066 Aug	0.022926444	3.74326E-06	7.320751667	5.674340248	0.04732861	0.002193725	39.4916153	0.003210881	0.004667544	6.78464E-05	0.000868425	0.000335652	0.366625905	2.79727E-06	0.002009551	0.000290207	0.001273235	0.001095923
2066 Sep	0.022977512	3.75342E-06	7.360136032	5.702746868	0.047596455	0.002206725	39.69923019	0.003227677	0.004670031	6.79777E-05	0.000873617	0.000337469	0.368695438	2.80247E-06	0.002021691	0.000291546	0.001276202	0.001101791
2066 Oct	0.023024229	3.76253E-06	7.405900478	5.735580444	0.047906779	0.002221979	39.94500351	0.003247114	0.004670585	6.80848E-05	0.000879695	0.000339583	0.371111184	2.80757E-06	0.00203593	0.000293043	0.001279201	0.001108455

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2066 Nov	0.023042703	3.76624E-06	7.427710533	5.751248837	0.048052948	0.002229231	40.06403732	0.00325636	0.004671013	6.81272E-05	0.000882579	0.000340591	0.372259885	2.81019E-06	0.002042695	0.000293736	0.001280664	0.001111587
2066 Dec	0.023044555	3.76656E-06	7.429673672	5.752671242	0.048066016	0.002229877	40.07495117	0.003257194	0.004671154	6.81321E-05	0.000882837	0.000340682	0.372362822	2.81047E-06	0.002043297	0.000293799	0.001280815	0.001111863
2067 Jan	0.023045043	3.76665E-06	7.430209637	5.753059387	0.048069585	0.002230054	40.07793427	0.003257421	0.004671191	6.81333E-05	0.000882907	0.000340706	0.372390926	2.81055E-06	0.002043462	0.000293816	0.001280856	0.001111939
2067 Feb	0.023045357	3.7667E-06	7.430345058	5.753161907	0.04807049	0.002230096	40.07867813	0.00325748	0.004671241	6.81342E-05	0.000882924	0.000340713	0.3723979	2.81059E-06	0.002043501	0.000293821	0.001280873	0.001111959
2067 Mar	0.023046022	3.7668E-06	7.430556297	5.753325462	0.048071869	0.002230159	40.07981491	0.003257572	0.004671372	6.81362E-05	0.000882949	0.000340722	0.372408479	2.81067E-06	0.002043559	0.00029383	0.00128091	0.00111199
2067 Apr	0.023047445	3.76703E-06	7.431030273	5.75369072	0.048074946	0.002230302	40.08237457	0.00325778	0.004671656	6.81403E-05	0.000883005	0.000340744	0.372432292	2.81084E-06	0.00204369	0.000293848	0.001280989	0.001112061
2067 May	0.023083599	3.77118E-06	7.443929195	5.763339996	0.048169743	0.002234463	40.15069199	0.003263356	0.004674191	6.82712E-05	0.000884675	0.000341342	0.37311092	2.81311E-06	0.00204756	0.000294388	0.001282228	0.001113956
2067 Jun	0.023209611	3.78615E-06	7.490651131	5.797513008	0.048529286	0.002249975	40.38431931	0.003283458	0.004674633	6.87484E-05	0.000890943	0.000343509	0.375612795	2.8171E-06	0.002062115	0.00029639	0.001285203	0.001121143
2067 Jul	0.02328009	3.79708E-06	7.518846512	5.818579197	0.048724048	0.00225892	40.53230286	0.003295666	0.004683017	6.89703E-05	0.000894522	0.000344808	0.377072036	2.82352E-06	0.002070421	0.000297492	0.00128846	0.001125396
2067 Aug	0.023354013	3.80899E-06	7.556540489	5.846218586	0.048986558	0.002271162	40.72930527	0.003311849	0.004688599	6.92054E-05	0.000899419	0.000346548	0.379045039	2.82975E-06	0.002081842	0.000298879	0.001291816	0.001131082
2067 Sep	0.023401495	3.81754E-06	7.588279247	5.869245529	0.049205318	0.00228159	40.89580917	0.003325397	0.004691114	6.93512E-05	0.000903578	0.000348014	0.380712003	2.83417E-06	0.002091578	0.00029998	0.001294256	0.001135856
2067 Oct	0.023443453	3.82594E-06	7.626506329	5.896571159	0.049468704	0.002294412	41.0959053	0.003341616	0.004690186	6.94565E-05	0.000908673	0.000349779	0.382737607	2.83768E-06	0.002103557	0.000301234	0.001296425	0.001141594
2067 Nov	0.023468504	3.82973E-06	7.647432804	5.911706448	0.049611587	0.002301367	41.21044922	0.003350515	0.00469099	6.95221E-05	0.000911437	0.000350747	0.383842587	2.84023E-06	0.002110033	0.000301929	0.001297861	0.001144582
2067 Dec	0.023471033	3.8301E-06	7.649525166	5.913228512	0.049625721	0.002302056	41.22206116	0.003351405	0.004691166	6.95291E-05	0.000911711	0.000350843	0.383952528	2.84054E-06	0.002110673	0.000301999	0.001298023	0.001144878
2068 Jan	0.023471385	3.83015E-06	7.649751663	5.913395882	0.049627252	0.00230213	41.22331238	0.003351503	0.004691205	6.95301E-05	0.00091174	0.000350854	0.38396436	2.84058E-06	0.002110742	0.000302006	0.001298044	0.00114491
2068 Feb	0.023471799	3.83021E-06	7.650010586	5.913586617	0.049629003	0.002302214	41.22474289	0.003351613	0.004691251	6.95313E-05	0.000911774	0.000350866	0.38397786	2.84063E-06	0.002110819	0.000302015	0.001298068	0.001144947
2068 Mar	0.023473239	3.83044E-06	7.650654793	5.91407156	0.04963325	0.002302415	41.22826385	0.003351892	0.004691497	6.95355E-05	0.000911854	0.000350895	0.384010851	2.8408E-06	0.002111006	0.000302039	0.001298152	0.001145041
2068 Apr	0.023478067	3.83122E-06	7.652328491	5.915358067	0.04964415	0.002302923	41.2373085	0.003352623	0.004692439	6.95498E-05	0.000912055	0.000350972	0.384095192	2.84139E-06	0.002111472	0.000302104	0.001298421	0.00114529
2068 May	0.023528248	3.83668E-06	7.673839569	5.931273937	0.049801055	0.002309959	41.35293198	0.003361867	0.004694906	6.97314E-05	0.000914873	0.00035197	0.385233194	2.84449E-06	0.002118026	0.000302956	0.001300178	0.001148404
2068 Jun	0.023757664	3.8608E-06	7.752057076	5.988420963	0.050422881	0.002336169	41.7411499	0.00339553	0.004691265	7.06297E-05	0.000925494	0.000355606	0.389459223	2.84875E-06	0.002142658	0.000306446	0.001304332	0.001160477
2068 Jul	0.02383999	3.87293E-06	7.781637192	6.010340214	0.050636165	0.0023457	41.89135361	0.003408356	0.004697497	7.0893E-05	0.000929336	0.000356972	0.391008854	2.85403E-06	0.002151549	0.00030767	0.001307313	0.001165053
2068 Aug	0.023898052	3.88217E-06	7.804534912	6.027484894	0.050793149	0.002352935	42.01150513	0.00341828	0.004704905	7.10721E-05	0.000932226	0.000358026	0.392190605	2.85951E-06	0.00215826	0.000308557	0.001310054	0.001168526
2068 Sep	0.023949591	3.89113E-06	7.833687782	6.04863739	0.050997563	0.002362534	42.1613884	0.00343076	0.004707126	7.12283E-05	0.000936062	0.000359372	0.393726021	2.86333E-06	0.002167227	0.000309613	0.001312267	0.001173005
2068 Oct	0.023985948	3.89631E-06	7.856490135	6.065226078	0.051156208	0.002370069	42.28442383	0.003440502	0.004708714	7.13349E-05	0.000939069	0.000360427	0.394929737	2.8663E-06	0.002174246	0.000310421	0.001313972	0.001176322
2068 Nov	0.023996279	3.89769E-06	7.863342762	6.070237637	0.051203255	0.002372317	42.32231903	0.003443429	0.004709428	7.13662E-05	0.000939966	0.000360744	0.395289987	2.86734E-06	0.002176339	0.00031066	0.001314533	0.001177294
2068 Dec	0.024002003	3.89842E-06	7.86785984	6.073522568	0.05123423	0.002373808	42.34745789	0.003445352	0.004709696	7.13839E-05	0.000940561	0.000360953	0.395528138	2.86795E-06	0.002177728	0.000310815	0.00131487	0.001177931
2069 Jan	0.024004359	3.89874E-06	7.869914055	6.075013638	0.051248264	0.002374487	42.35890198	0.003446225	0.004709795	7.13912E-05	0.000940832	0.000361049	0.39563641	2.86822E-06	0.00217836	0.000310884	0.001315019	0.00117822
2069 Feb	0.024005905	3.89896E-06	7.871274948	6.076002121	0.051257532	0.002374936	42.36647797	0.003446804	0.004709871	7.1396E-05	0.000941011	0.000361112	0.395708084	2.8684E-06	0.002178779	0.000310929	0.00131512	0.001178413
2069 Mar	0.024007233	3.89914E-06	7.872488499	6.076882362	0.051265787	0.002375336	42.3732338	0.003447319	0.004709931	7.14002E-05	0.000941171	0.000361168	0.39577195	2.86857E-06	0.002179153	0.00031097	0.001315209	0.001178584
2069 Apr	0.024009412	3.89947E-06	7.873831272	6.077873707	0.051274814	0.002375769	42.38064194	0.003447895	0.004710201	7.14068E-05	0.000941343	0.00036123	0.395841807	2.86883E-06	0.002179554	0.000311017	0.001315342	0.001178777
2069 May	0.024023643	3.90169E-06	7.878861427	6.081706524	0.051308628	0.002377321	42.40745163	0.003450085	0.004712526	7.14515E-05	0.00094196	0.000361461	0.396098137	2.87036E-06	0.002180986	0.000311215	0.001316063	0.001179533
2069 Jun	0.024124797	3.91751E-06	7.923576832	6.113884926	0.051639315	0.002392236	42.628479	0.00346933	0.004712476	7.1764E-05	0.000948026	0.00036353	0.398483694	2.87398E-06	0.002195014	0.000313047	0.00131905	0.001186576
2069 Jul	0.024184421	3.92905E-06	7.948339939	6.132060051	0.05181019	0.002400178	42.75099182	0.003480063	0.004718391	7.1926E-05	0.00095123	0.000364668	0.399768978	2.87881E-06	0.002202431	0.000314021	0.001321732	0.001190548
2069 Aug	0.024233079	3.93897E-06	7.972023487	6.149380684	0.051971536	0.002407811	42.86994171	0.003490277	0.004723273	7.20566E-05	0.000954288	0.000365758	0.40099895	2.88325E-06	0.002209552	0.000314894	0.001324119	0.001194307
2069 Sep	0.024270903	3.94839E-06	8.000070572	6.169250011	0.052165907	0.002417245	43.00780487	0.003502238	0.004722527	7.21297E-05	0.000958057	0.000367049	0.402485371	2.8855E-06	0.002218389	0.000315852	0.001325743	0.001198814
2069 Oct	0.024327077	3.95901E-06	8.041020393	6.19839859	0.052449606	0.00243115	43.22016525	0.003519697	0.004721267	7.22108E-05	0.000963578	0.000368939	0.404668778	2.88847E-06	0.002231336	0.000317231	0.001327957	0.001205008
2069 Nov	0.024351703	3.96258E-06	8.05717659	6.210102081	0.052559864	0.002436555	43.3085289	0.003526606	0.004722371	7.22535E-05	0.000965719	0.000369686	0.405524462	2.89041E-06	0.002236343	0.000317779	0.00132911	0.001207317
2069 Dec	0.024353432	3.96283E-06	8.058440208	6.211020947	0.052568365	0.002436974	43.31555939	0.003527145	0.004722494	7.22569E-05	0.000965885	0.000369744	0.405590981	2.89059E-06	0.00223673	0.000317821	0.001329208	0.001207496
2070 Jan	0.024354262	3.96295E-06	8.05913353	6.211523056	0.052573018	0.002437205	43.31942368	0.00352744	0.004722541	7.22583E-05	0.000965976	0.000369776	0.405627549	2.89068E-06	0.002236944	0.000317844	0.001329259	0.001207594
2070 Feb	0.024354795	3.96303E-06	8.059569359	6.211839676	0.052575961	0.00243735	43.32185364	0.003527626	0.004722571	7.22592E-05	0.000966034	0.000369796	0.405650556	2.89074E-06	0.002237079	0.000317858	0.001329291	0.001207655
2070 Mar	0.024355592	3.96315E-06	8.060022354	6.212173939	0.052578978	0.002437496	43.32434845	0.003527821	0.004722673	7.22612E-05	0.000966092	0.000369817	0.4056741	2.89083E-06	0.002237214	0.000317874	0.001329337	0.00120772
2070 Apr	0.024358694	3.96365E-06	8.061296463	6.21313715	0.052587375	0.002437894	43.3312645	0.003528374	0.004723206	7.22698E-05	0.00096625	0.000369876	0.405739218	2.89119E-06	0.00223758	0.000317921	0.001329509	0.001207908
2070 May	0.024395285	3.96765E-06	8.07139492	6.22076273	0.052664381	0.002441151	43.38354492	0.003532776	0.004725582	7.23961E-05	0.000967558	0.000370344	0.406273216	2.89296E-06	0.002240602	0.000318381	0.001330519	0.001209425
2070 Jun	0.024520842	3.98142E-06	8.104112625	6.244950294	0.052931275	0.002452062	43.54038239	0.003547007	0.004726629	7.28463E-05	0.000971977	0.000371863	0.40804258	2.89524E-06	0.002250817	0.000319964	0.00133261	0.001214649
2070 Jul	0.024590131	3.992E-06	8.12856102	6.263198853	0.053103991	0.002459864	43.66550064	0.003557627	0.004733566	7.30579E-05	0.000975104	0.00037299	0.409314245	2.90041E-06	0.002258063	0.00032096	0.001335347	0.001218437
2070 Aug	0.024648516	4.00169E-06	8.152567863	6.280975342	0.053271085	0.002467568	43.78830719	0.003568002	0.004739319	7.32342E-05	0.000978179	0.000374096	0.410563052	2.90517E-06	0.002265227	0.00032188	0.001337835	0.001222176
2070 Sep	0.024704717	4.01208E-06	8.186057091	6.305026531	0.053507715	0.002478778	43.95692444	0.003582304	0.004739582	7.3382E-05	0.000982639	0.00037564	0.412339896	2.90831E-06	0.002275693	0.000323066	0.001339873	0.001227449
2070 Oct	0.024741778	4.01866E-06	8.20947361	6.321780205	0.053672265	0.00248671	44.07656097	0.003592291	0.004739147	7.34566E-05	0.000985775	0.000376721	0.413588405	2.91009E-06	0.002283072	0.000323869	0.001341121	0.001231069
2070 Nov	0.024752984	4.02027E-06	8.216172218	6.326647758	0.053718645	0.002488942	44.11262512	0.003595155	0.00473963	7.34824E-05	0.000986659	0.00037703	0.413942993	2.91091E-06	0.002285142	0.000324102	0.001341599	0.00123205
2070 Dec	0.024753872	4.02039E-06	8.216757774	6.327074528	0.053722627	0.002489135	44.11587524	0.003595405	0.00473969	7.34845E-05	0.000986736	0.000377057	0.413973778	2.91099E-06	0.002285321	0.000324122	0.001341644	0.001232133
2071 Jan	0.024754437	4.02046E-06	8.21713829	6.327352047	0.053725239	0.002489262	44.11800003	0.003595568	0.004739721	7.34858E-05	0.000986786	0.000377075	0.413993895	2.91105E-06	0.002285438	0.000324135	0.001341673	0.001232187
2071 Feb	0.024754653	4.02048E-06	8.21726799	6.327447414	0.053726144	0.002489305	44.11872101	0.003595623	0.004739732	7.34863E-05	0.000986803	0.000377081	0.414000779	2.91106E-06	0.002285478	0.000324139	0.001341682	0.001232205
2071 Mar	0.024754955	4.02052E-06	8.217435837	6.327571392	0.053727292	0.00248936	44.11965179	0.003595695	0.004739761	7.34871E-05	0.000986825	0.000377088	0.414009571	2.91109E-06	0.002285529	0.000324145	0.001341698	0.001232229
2071 Apr	0.024756271	4.02073E-06	8.21792984	6.32794714	0.053730559	0.002489512	44.12232208	0.00359591	0.004739991	7.3491E-05	0.000986885	0.000377111	0.414034724	2.91124E-06	0.002285669	0.000324164	0.001341768	0.001232302
2071 May	0.024795067	4.02468E-06	8.228547096	6.335891247	0.053814627	0.002493003	44.17601776	0.003600523	0.004741233	7.36319E-05	0.000988289	0.000377604	0.414603561	2.91249E-06	0.00228892	0.000324657	0.001342593	0.001233932
2071 Jun	0.02494671	4.0397E-06	8.26133728	6.360212803	0.054099426	0.00250405	44.3274765	0.003614857	0.004740409	7.4196E-05	0.000992794	0.000379132	0.416401565	2.9134E-06	0.00229929	0.000326405	0.001344311	0.001239295
2071 Jul	0.02500497	4.04915E-06	8.279096603	6.373414516	0.054229092	0.002509734	44.41241074	0.003622603	0.004745068	7.43775E-05	0.000995086	0.000379949	0.417328805	2.91678E-06	0.002304591	0.00032718	0.001346236	0.001242225
2071 Aug	0.025052009	4.05736E-06	8.295893669	6.385979652	0.054345388	0.002515032	44.49637222	0.003629904	0.004750754	7.45206E-05	0.000997199	0.000380721	0.418194562	2.92082E-06	0.002309508	0.000327847	0.001348266	0.001244916
2071 Sep	0.02510241	4.06606E-06	8.318477631	6.402290344	0.054509625	0.002522566	44.60649872	0.003639611	0.004751523	7.46646E-05	0.001000207	0.000381763	0.419394791	2.92299E-06	0.002316543	0.000328711	0.001349748	0.001248575
2071 Oct	0.025128054	4.07075E-06	8.333053589	6.412733555	0.054613441	0.002527477	44.67914581	0.003645839	0.004751364	7.47276E-05	0.001002158	0.000382435	0.420170963	2.92415E-06	0.002321124	0.000329232	0.001350566	0.001250898
2071 Nov	0.025150342	4.07347E-06	8.343855858	6.420617104	0.054690041	0.002531094	44.73748779	0.003650477	0.004752159	7.47802E-05	0.001003591	0.000382935	0.420746028	2.92537E-06	0.002324471	0.000329628	0.001351326	0.001252467
2071 Dec	0.025152529	4.07371E-06	8.344927788	6.421403885	0.054697569	0.00253145	44.74342346	0.003650938	0.004752277	7.47855E-05	0.001003732	0.000382985	0.420802891	2.92551E-06	0.0023248	0.000329667	0.001351409	0.001252619
2072 Jan	0.025152814	4.07374E-06	8.345052719	6.421496868	0.054698449	0.002531491	44.74411392	0.003650992	0.004752299	7.47862E-05	0.001003749	0.00038299	0.420809478	2.92553E-06	0.002324838	0.000329672	0.00135142	0.001252636
2072 Feb	0.025152987	4.07376E-06	8.345111847	6.421542168	0.054698884	0.00253151	44.7444458	0.003651018	0.004752313	7.47866E-05	0.001003756	0.000382993	0.420812637	2.92554E-06	0.002324856	0.000329674	0.001351426	0.001252645
2072 Mar	0.025153164	4.07378E-06	8.345170021	6.421586037	0.054699283	0.002531528	44.74475479	0.003651043	0.004752338	7.47871E-05	0.001003763	0.000382996	0.420815587	2.92556E-06	0.002324873	0.000329677	0.001351434	0.001252653
2072 Apr	0.025155244	4.07412E-06	8.345855713	6.422113419	0.054703787	0.002531736	44.74843216	0.003651343	0.004752728	7.47933E-05	0.001003846	0.000383027	0.420850188	2.9258E-06	0.002325064	0.000329704	0.001351545	0.001252756
2072 May	0.025165817	4.07583E-06	8.349354744	6.424806118	0.054726735	0.002532797	44.76717377	0.003652874	0.00475472	7.48248E-05	0.001004267	0.000383188	0.421026647	2.92703E-06	0.002326039	0.000329842	0.001352111	0.001253282
2072 Jun	0.025220446	4.08608E-06	8.369826317	6.439438343	0.054875128	0.00253965	44.8637619	0.00366178	0.004756031	7.49329E-05	0.001007064	0.000384131	0.422116339	2.92884E-06	0.002332463	0.000330707	0.001353738	0.00125667
2072 Jul	0.025276802	4.09712E-06	8.392669678	6.456074238	0.055033289	0.002547078	44.97546387	0.003671692	0.004760603	7.50605E-05	0.001010055	0.000385181	0.423309624	2.93267E-06	0.002339393	0.000331596	0.001356018	0.001260384
2072 Aug	0.025326656	4.10894E-06	8.419318199	6.47514534	0.055216927	0.002555929	45.1036644	0.003683161	0.004762664	7.5153E-05	0.001013582	0.000386406	0.42471227	2.93585E-06	0.00234765	0.00033253	0.001358026	0.00126479
2072 Sep	0.025368625	4.11832E-06	8.444462776	6.493096828	0.05539022	0.002564375	45.22890854	0.003693954	0.004763499	7.52168E-05	0.001016933	0.000387565	0.426043928	2.93835E-06	0.002355508	0.000333383	0.001359696	0.001268807
2072 Oct	0.025398985	4.12545E-06	8.467255592	6.509179592	0.055546891	0.002572189	45.34350586	0.003703679	0.00476228	7.52326E-05	0.001020015	0.000388615	0.427261651	2.93964E-06	0.002362768	0.000334115	0.001360778	0.001272414
2072 Nov	0.02540835	4.12717E-06	8.473455429	6.513632774	0.055589005	0.002574282	45.37631226	0.003706333	0.004762558	7.52424E-05	0.00102084	0.000388901	0.427590698	2.94028E-06	0.002364704	0.000334318	0.001361182	0.001273346
2072 Dec	0.025408892	4.12726E-06	8.473814011	6.513893127	0.055591382	0.0025744	45.3782959	0.003706486	0.004762607	7.52433E-05	0.001020886	0.000388918	0.427609473	2.94034E-06	0.002364813	0.00033433	0.001361212	0.001273397
2073 Jan	0.025409313	4.12732E-06	8.474108696	6.514108181	0.055593371	0.002574499	45.37994385	0.003706612	0.004762637	7.52439E-05	0.001020925	0.000388931	0.42762509	2.94038E-06	0.002364904	0.00033434	0.001361235	0.00127344
2073 Feb	0.025409447	4.12733E-06	8.474157333	6.514144897	0.05559371	0.002574514	45.38020706	0.003706633	0.004762652	7.52442E-05	0.001020931	0.000388934	0.427627593	2.94039E-06	0.002364918	0.000334342	0.001361241	0.001273446
2073 Mar	0.025409743	4.12738E-06	8.474251747	6.514217854	0.05559434	0.002574542	45.38071442	0.003706675	0.004762704	7.52451E-05	0.001020943	0.000388938	0.427632362	2.94043E-06	0.002364944	0.000334345	0.001361255	0.001273461
2073 Apr	0.025414389	4.12813E-06	8.475797653	6.515405655	0.055604484	0.002575012	45.38898849	0.00370735	0.004763572	7.52588E-05	0.001021129	0.000389009	0.427710354	2.94096E-06	0.002365376	0.000334406	0.001361504	0.001273693
2073 May	0.025534941	4.14433E-06	8.567512512	6.582000256	0.056235384	0.00260543	45.89670181	0.003746423	0.004768093	7.55978E-05	0.001033243	0.000393257	0.432556659	2.95255E-06	0.002393683	0.000337525	0.001368068	0.001286928
2073 Jun	0.025680887	4.16116E-06	8.628638268	6.626660347	0.056694631	0.002625778	46.21365738	0.003772671	0.004768959	7.61196E-05	0.001041427	0.000396094	0.435825944	2.95815E-06	0.002412711	0.000340009	0.001371995	0.001296289
2073 Jul	0.025732681	4.17107E-06	8.648220062	6.641109943	0.056832977	0.002632027	46.30692291	0.003781149	0.004773686	7.62869E-05	0.001043931	0.000396993	0.436841518	2.96201E-06	0.00241855	0.00034079	0.001374043	0.001299588
2073 Aug	0.025788436	4.18031E-06	8.670577049	6.657688141	0.056989759	0.002639182	46.42049026	0.003790813	0.004779056	7.64654E-05	0.001046791	0.000398023	0.438004047	2.96648E-06	0.002425211	0.000341658	0.00137637	0.001303131
2073 Sep	0.025845028	4.1895E-06	8.701522827	6.680137634	0.057209857	0.002649418	46.57978821	0.003804056	0.004780593	7.6645E-05	0.00105088	0.000399453	0.439640552	2.97013E-06	0.002434774	0.000342789	0.001378554	0.001307967

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2073 Oct	0.025887879	4.19678E-06	8.731331825	6.701514244	0.057419669	0.002659456	46.73482513	0.003816744	0.004779865	7.67552E-05	0.001054867	0.000400831	0.441227287	2.9726E-06	0.002444136	0.000343812	0.001380194	0.001312582
2073 Nov	0.025903543	4.1991E-06	8.741737366	6.709035397	0.057492219	0.002662937	46.79055405	0.003821181	0.004780123	7.67948E-05	0.001056248	0.000401312	0.441779435	2.9737E-06	0.002447374	0.000344171	0.001380861	0.001314141
2073 Dec	0.025904849	4.19928E-06	8.742549896	6.709632397	0.057497747	0.002663203	46.7950592	0.003821528	0.004780241	7.67984E-05	0.001056354	0.00040135	0.441822022	2.97383E-06	0.00244762	0.000344199	0.001380931	0.001314259
2074 Jan	0.025905207	4.19933E-06	8.74277401	6.709796906	0.057499293	0.002663277	46.79630661	0.003821624	0.004780266	7.67994E-05	0.001056383	0.00040136	0.441833824	2.97386E-06	0.002447688	0.000344207	0.00138095	0.001314291
2074 Feb	0.02590538	4.19935E-06	8.74286747	6.70986557	0.057499945	0.002663307	46.79682541	0.003821664	0.004780277	7.67999E-05	0.001056395	0.000401364	0.441838741	2.97388E-06	0.002447717	0.00034421	0.001380957	0.001314305
2074 Mar	0.025905846	4.19942E-06	8.743038177	6.709996223	0.057501096	0.00266336	46.79774857	0.003821739	0.004780354	7.68012E-05	0.001056417	0.000401372	0.441847503	2.97393E-06	0.002447766	0.000344217	0.001380981	0.00131433
2074 Apr	0.025909757	4.20005E-06	8.744355202	6.711006641	0.057509758	0.002663762	46.80479813	0.003822314	0.004781073	7.68128E-05	0.001056576	0.000401433	0.441914052	2.97438E-06	0.002448135	0.000344269	0.001381189	0.001314528
2074 May	0.026076471	4.22041E-06	8.866566658	6.799952984	0.058362681	0.002704173	47.47930145	0.003874317	0.004785825	7.73962E-05	0.00107271	0.000407097	0.448374957	2.98962E-06	0.00248583	0.000348533	0.001389767	0.001332347
2074 Jun	0.026259514	4.24062E-06	8.942418098	6.855271816	0.058946725	0.002729479	47.86527252	0.003906797	0.004783053	7.8143E-05	0.001082917	0.00041062	0.452447295	2.99505E-06	0.002509593	0.000351693	0.001393962	0.001344276
2074 Jul	0.026339822	4.25204E-06	8.969967842	6.875887871	0.059145663	0.00273826	48.00620651	0.00391875	0.004790223	7.84193E-05	0.001086446	0.000411892	0.453883946	3.00066E-06	0.002517769	0.000352846	0.001396947	0.001348598
2074 Aug	0.026402269	4.26144E-06	8.994074821	6.893962383	0.059313647	0.00274589	48.13261795	0.003929188	0.004797523	7.86272E-05	0.001089494	0.000413003	0.45513162	3.00622E-06	0.002524851	0.000353799	0.001399737	0.001352305
2074 Sep	0.026477331	4.27262E-06	9.038194656	6.925987244	0.059628759	0.002760498	48.36339569	0.003948018	0.004798794	7.88902E-05	0.001095336	0.000415045	0.457468212	3.01119E-06	0.002538509	0.000355412	0.001402711	0.001359133
2074 Oct	0.026530797	4.28054E-06	9.076812744	6.953920364	0.059898615	0.002773361	48.57073975	0.00396445	0.004799438	7.90541E-05	0.001100454	0.000416832	0.459514171	3.0154E-06	0.002550503	0.000356746	0.00140519	0.001364957
2074 Nov	0.026556335	4.28415E-06	9.098985672	6.969995975	0.060050659	0.002780707	48.69324875	0.003973868	0.004800247	7.91343E-05	0.001103379	0.000417858	0.460684389	3.01818E-06	0.002557349	0.000357488	0.001406727	0.001368205
2074 Dec	0.026559258	4.28458E-06	9.101807594	6.972043991	0.060069785	0.002781638	48.7089653	0.003975066	0.004800392	7.91437E-05	0.001103749	0.000417989	0.460832864	3.01856E-06	0.002558217	0.000357581	0.001406932	0.001368616
2075 Jan	0.026559878	4.28467E-06	9.102430344	6.972496033	0.060074002	0.002781844	48.71244049	0.003975331	0.004800424	7.91457E-05	0.001103831	0.000418018	0.460865647	3.01865E-06	0.002558409	0.000357601	0.001406977	0.001368706
2075 Feb	0.026560327	4.28474E-06	9.102807045	6.972771645	0.060076565	0.002781967	48.71453857	0.003975492	0.004800457	7.91471E-05	0.00110388	0.000418035	0.460885435	3.0187E-06	0.002558524	0.000357614	0.001407007	0.001368761
2075 Mar	0.026561163	4.28487E-06	9.103144646	6.973026752	0.060078811	0.002782073	48.716362	0.003975638	0.004800595	7.91496E-05	0.001103922	0.000418051	0.460902691	3.0188E-06	0.002558621	0.000357627	0.001407052	0.001368812
2075 Apr	0.026577882	4.28739E-06	9.119403839	6.984835625	0.060188767	0.002787425	48.80694962	0.00398254	0.00480157	7.92042E-05	0.001106054	0.000418803	0.461757034	3.02109E-06	0.002563611	0.000358162	0.001408267	0.001371178
2075 May	0.026638938	4.296E-06	9.174087524	7.024581432	0.060562056	0.002805443	49.1108551	0.004005766	0.004804514	7.94129E-05	0.001113237	0.000421335	0.464634955	3.02859E-06	0.002580413	0.000359993	0.001412285	0.001379152
2075 Jun	0.026698649	4.30909E-06	9.213988304	7.052775383	0.060844004	0.002818869	49.3094101	0.004022846	0.004802547	7.95426E-05	0.001118703	0.000423178	0.466758758	3.03127E-06	0.002593063	0.000361487	0.001414749	0.001385641
2075 Jul	0.02675301	4.32103E-06	9.24237442	7.07323122	0.061039433	0.002828154	49.44945145	0.004035081	0.004806055	7.96706E-05	0.001122461	0.000424484	0.468244523	3.03539E-06	0.002601768	0.00036256	0.001417305	0.001390298
2075 Aug	0.02679613	4.33055E-06	9.266088486	7.09049511	0.061198756	0.002835814	49.56958008	0.004045289	0.004810601	7.97767E-05	0.001125533	0.000425574	0.469475359	3.03975E-06	0.00260892	0.000363411	0.001419666	0.001394109
2075 Sep	0.026820302	4.33651E-06	9.282004356	7.101986408	0.061305538	0.002841004	49.64970016	0.00405211	0.004812713	7.98331E-05	0.001127609	0.000426306	0.47030434	3.0423E-06	0.002613771	0.000363962	0.00142107	0.00139669
2075 Oct	0.026835911	4.34045E-06	9.295678139	7.111718655	0.061397891	0.002845581	49.72002029	0.004057936	0.004812869	7.98558E-05	0.001129435	0.000426936	0.471026033	3.0437E-06	0.002618046	0.000364413	0.001421966	0.001398864
2075 Nov	0.026848735	4.34258E-06	9.30599308	7.119183064	0.061467383	0.002848994	49.77687073	0.004062338	0.004813636	7.98829E-05	0.001130799	0.000427413	0.471569002	3.0451E-06	0.002621224	0.000364761	0.001422772	0.001400381
2075 Dec	0.026850082	4.3428E-06	9.307057381	7.119956017	0.06147451	0.002849344	49.78278351	0.004062792	0.004813745	7.98859E-05	0.001130939	0.000427462	0.471624881	3.04526E-06	0.00262155	0.000364797	0.00142286	0.001400536
2076 Jan	0.026850382	4.34285E-06	9.307279587	7.120117664	0.061476007	0.002849417	49.78401566	0.004062887	0.004813769	7.98865E-05	0.001130968	0.000427472	0.471636534	3.0453E-06	0.002621618	0.000364805	0.001422879	0.001400568
2076 Feb	0.026850773	4.3429E-06	9.30745697	7.120250225	0.061477207	0.002849473	49.7849884	0.004062964	0.004813822	7.98876E-05	0.00113099	0.00042748	0.471645743	3.04534E-06	0.00262167	0.000364811	0.001422899	0.001400595
2076 Mar	0.026851552	4.34303E-06	9.30774498	7.120469093	0.061479129	0.002849562	49.78653717	0.004063089	0.004813953	7.98899E-05	0.001131026	0.000427494	0.471660405	3.04542E-06	0.002621752	0.000364823	0.00142294	0.001400638
2076 Apr	0.026853679	4.34337E-06	9.308481216	7.121032715	0.061484002	0.002849788	49.79047775	0.004063411	0.004814331	7.98962E-05	0.001131115	0.000427527	0.471697748	3.04566E-06	0.00262196	0.000364851	0.001423052	0.001400749
2076 May	0.026889177	4.34706E-06	9.317784309	7.128091812	0.061555825	0.002852772	49.83904266	0.004067476	0.004816658	8.00237E-05	0.001132322	0.000427959	0.472189724	3.04736E-06	0.002624733	0.000365291	0.001424031	0.001402162
2076 Jun	0.027021891	4.36084E-06	9.345363617	7.148434639	0.061801262	0.002862073	49.96175385	0.004079557	0.004814702	8.05342E-05	0.001136166	0.000429246	0.473708093	3.04751E-06	0.002633527	0.000366836	0.00142539	0.001406947
2076 Jul	0.027068909	4.37002E-06	9.360889435	7.159878731	0.061912529	0.00286702	50.03258896	0.004086317	0.004818736	8.06796E-05	0.001138162	0.000429958	0.474513501	3.05054E-06	0.002638159	0.000367491	0.001427087	0.001409663
2076 Aug	0.027130304	4.37966E-06	9.382681847	7.176160336	0.06206584	0.002873945	50.14403915	0.004095786	0.0048252	8.08701E-05	0.001140939	0.000430962	0.47564432	3.05533E-06	0.002644594	0.000368375	0.001429594	0.001413102
2076 Sep	0.027173342	4.38646E-06	9.401522636	7.189983845	0.062199827	0.002880087	50.24065018	0.004103906	0.004827938	8.10032E-05	0.001143402	0.000431832	0.476634353	3.05825E-06	0.002650322	0.000369107	0.001431262	0.001416081
2076 Oct	0.027205585	4.39193E-06	9.420367241	7.203455925	0.062335443	0.002886458	50.33588409	0.004111951	0.004827072	8.10881E-05	0.001145948	0.000432703	0.477641702	3.05948E-06	0.00265628	0.000369792	0.001432248	0.001419119
2076 Nov	0.027216814	4.3936E-06	9.42697525	7.208237648	0.062381949	0.002888666	50.37093353	0.004114776	0.004827297	8.11171E-05	0.001146827	0.000433008	0.477992594	3.06018E-06	0.002658335	0.000370028	0.001432688	0.001420134
2076 Dec	0.027218018	4.39375E-06	9.427629471	7.208718777	0.062386446	0.00288888	50.37455368	0.004115057	0.004827401	8.11205E-05	0.001146912	0.000433039	0.478026897	3.06029E-06	0.002658533	0.000370052	0.001432747	0.001420229
2077 Jan	0.027218385	4.3938E-06	9.427832603	7.208868504	0.062387872	0.002888947	50.37568665	0.004115144	0.004827423	8.11215E-05	0.001146939	0.000433048	0.478037626	3.06032E-06	0.002658596	0.000370059	0.001432764	0.001420259
2077 Feb	0.027218666	4.39383E-06	9.427967072	7.208968639	0.062388811	0.00288899	50.37643051	0.004115202	0.004827447	8.11223E-05	0.001146956	0.000433054	0.478044719	3.06034E-06	0.002658636	0.000370064	0.001432776	0.001420278
2077 Mar	0.027219031	4.39388E-06	9.42811203	7.209076881	0.062389795	0.002889036	50.37721252	0.004115264	0.004827499	8.11234E-05	0.001146975	0.000433061	0.478052139	3.06038E-06	0.002658678	0.00037007	0.001432794	0.0014203
2077 Apr	0.027221635	4.3943E-06	9.429010391	7.209764481	0.062395744	0.002889311	50.38201523	0.004115656	0.004827959	8.11311E-05	0.001147084	0.000433102	0.478097707	3.06067E-06	0.002658932	0.000370105	0.001432931	0.001420435
2077 May	0.027262887	4.39859E-06	9.442762375	7.2200284	0.062499631	0.002893797	50.45480347	0.004121607	0.004829935	8.12802E-05	0.001148889	0.000433741	0.478827983	3.06266E-06	0.002663109	0.0003707	0.001434119	0.001422522
2077 Jun	0.027418965	4.41401E-06	9.481719971	7.248789787	0.06282904	0.002906868	50.64121246	0.004138544	0.004828461	8.18846E-05	0.001154232	0.000435556	0.480953336	3.06414E-06	0.002675405	0.00037268	0.001436223	0.001428974
2077 Jul	0.027486017	4.424E-06	9.504029274	7.265543938	0.062986813	0.002913928	50.75617981	0.004148262	0.004835734	8.20941E-05	0.00115707	0.000436585	0.482110202	3.06927E-06	0.00268196	0.000373614	0.001438919	0.001432463
2077 Aug	0.027543044	4.43368E-06	9.52704525	7.282664776	0.063146308	0.002921252	50.87398911	0.004158222	0.00484211	8.22727E-05	0.001159996	0.000437645	0.483302176	3.07428E-06	0.002688769	0.000374507	0.001441482	0.001436119
2077 Sep	0.027597519	4.44373E-06	9.558559418	7.305203915	0.063373588	0.002931861	51.0305748	0.004171683	0.004840876	8.24288E-05	0.001164235	0.000439101	0.484982848	3.07654E-06	0.002698699	0.000375653	0.00144319	0.001441313
2077 Oct	0.027632179	4.44905E-06	9.579217911	7.320157051	0.063518427	0.002938764	51.13998795	0.004180514	0.004841695	8.25154E-05	0.001166977	0.000440056	0.486079007	3.07878E-06	0.002705117	0.000376382	0.001444568	0.001444504
2077 Nov	0.027642261	4.45036E-06	9.585245132	7.324569702	0.063560128	0.00294075	51.17328262	0.004183094	0.004842332	8.25437E-05	0.001167768	0.000440335	0.486396819	3.07966E-06	0.002706961	0.000376596	0.001445054	0.001445392
2077 Dec	0.027643299	4.45051E-06	9.58589077	7.325043678	0.063564509	0.00294096	51.17685699	0.00418337	0.004842426	8.25466E-05	0.001167851	0.000440364	0.486430615	3.07976E-06	0.002707156	0.000376619	0.001445111	0.001445487
2078 Jan	0.027643602	4.45055E-06	9.586050987	7.325162411	0.063565612	0.002941013	51.177742	0.004183439	0.004842457	8.25474E-05	0.001167872	0.000440372	0.486439019	3.07979E-06	0.002707205	0.000376625	0.001445126	0.00144551
2078 Feb	0.027643772	4.45057E-06	9.586112976	7.325208664	0.063566029	0.002941032	51.17807388	0.004183465	0.004842478	8.25479E-05	0.00116788	0.000440375	0.486442178	3.07981E-06	0.002707222	0.000376627	0.001445134	0.001445519
2078 Mar	0.027644012	4.45061E-06	9.586196899	7.325273514	0.06356661	0.002941058	51.17853165	0.004183502	0.004842516	8.25486E-05	0.00116789	0.000440379	0.48644653	3.07983E-06	0.002707247	0.000376631	0.001445145	0.001445532
2078 Apr	0.027648838	4.45138E-06	9.587867737	7.326550961	0.063577697	0.002941571	51.18745041	0.004184231	0.004843359	8.2563E-05	0.001168094	0.000440455	0.486531317	3.08037E-06	0.002707719	0.000376696	0.001445397	0.001445784
2078 May	0.027775012	4.46341E-06	9.643620491	7.36763525	0.063990414	0.002959995	51.49075317	0.004208148	0.004846461	8.30301E-05	0.001175489	0.000443047	0.489502341	3.08687E-06	0.002724898	0.00037892	0.001449401	0.001454106
2078 Jun	0.027898556	4.47604E-06	9.673160553	7.38946104	0.064247333	0.002969895	51.6254921	0.004220964	0.004844273	8.35516E-05	0.001179532	0.000444423	0.491117299	3.08757E-06	0.002734245	0.000380459	0.001450752	0.001459252
2078 Jul	0.027962938	4.48586E-06	9.69466114	7.405658245	0.064399011	0.00297666	51.73544312	0.004230317	0.00485165	8.37635E-05	0.001182239	0.000445413	0.492228359	3.09276E-06	0.002740524	0.000381346	0.001453375	0.001462656
2078 Aug	0.028033357	4.49641E-06	9.720991135	7.425157547	0.06458994	0.002985157	51.86809921	0.004241693	0.004856478	8.40066E-05	0.001185645	0.000446629	0.493608952	3.09726E-06	0.002748453	0.000382406	0.001455835	0.001466915
2078 Sep	0.02809629	4.50491E-06	9.749434471	7.446073055	0.064794816	0.00299447	52.01768112	0.004253916	0.004859608	8.4221E-05	0.00118937	0.000447946	0.495110452	3.10132E-06	0.002757133	0.000383499	0.001458143	0.001471335
2078 Oct	0.028133981	4.51048E-06	9.772422791	7.462729931	0.064958423	0.003002113	52.1387558	0.00426372	0.00486	8.43462E-05	0.00119242	0.00044901	0.496329904	3.10376E-06	0.002764272	0.000384324	0.001459623	0.001474935
2078 Nov	0.028149679	4.51249E-06	9.78246212	7.470047474	0.065028854	0.003005434	52.19361496	0.004268003	0.004860533	8.43973E-05	0.001193744	0.000449475	0.496860951	3.10503E-06	0.002767365	0.00038468	0.00146034	0.001476445
2078 Dec	0.02815094	4.51265E-06	9.783366203	7.47070837	0.06503506	0.003005731	52.19864655	0.004268388	0.004860613	8.44014E-05	0.001193862	0.000449517	0.496908486	3.10516E-06	0.002767642	0.000384711	0.001460411	0.001476578
2079 Jan	0.028151562	4.51273E-06	9.78385067	7.471061707	0.06503842	0.003005891	52.20135498	0.004268594	0.004860638	8.44035E-05	0.001193926	0.000449539	0.496934116	3.10522E-06	0.002767791	0.000384727	0.001460446	0.00147665
2079 Feb	0.028151738	4.51275E-06	9.783966064	7.471146584	0.065039225	0.003005929	52.20199966	0.004268643	0.004860645	8.44041E-05	0.001193941	0.000449544	0.496940166	3.10524E-06	0.002767826	0.000384731	0.001460455	0.001476667
2079 Mar	0.028152429	4.51285E-06	9.784290314	7.471388817	0.06504143	0.003006032	52.20376587	0.004268783	0.004860737	8.44062E-05	0.001193982	0.000449559	0.496956974	3.10531E-06	0.002767922	0.000384743	0.001460491	0.001476715
2079 Apr	0.028155247	4.5133E-06	9.785274506	7.472139835	0.065047979	0.003006335	52.20901871	0.004269212	0.00486122	8.44147E-05	0.001194103	0.000449605	0.497006983	3.10562E-06	0.0027682	0.000384782	0.001460637	0.001476864
2079 May	0.028171301	4.51559E-06	9.791389465	7.476750374	0.065090194	0.003008261	52.24179459	0.004271863	0.004863304	8.4467E-05	0.001194871	0.000449887	0.497322649	3.10714E-06	0.002769983	0.000385023	0.001461382	0.001477788
2079 Jun	0.028281523	4.52995E-06	9.828062057	7.503162384	0.06538178	0.003020651	52.41683578	0.004287722	0.00486041	8.48456E-05	0.001199956	0.00045159	0.499310493	3.10825E-06	0.002781681	0.000386712	0.001463324	0.001484023
2079 Jul	0.028342165	4.54126E-06	9.851492882	7.520168304	0.065550305	0.003028304	52.52900314	0.004297881	0.004863559	8.50142E-05	0.001203067	0.000452669	0.500542819	3.11149E-06	0.002788863	0.00038768	0.001465455	0.001488003
2079 Aug	0.02839474	4.55058E-06	9.873122215	7.536183834	0.065698661	0.003035205	52.63977432	0.004307252	0.004869469	8.51627E-05	0.001205833	0.000453665	0.501663327	3.11611E-06	0.002795284	0.000388512	0.001467879	0.001491452
2079 Sep	0.028430875	4.55879E-06	9.895752907	7.552326202	0.065856196	0.003042769	52.75148392	0.004316935	0.004869802	8.52412E-05	0.001208859	0.000454707	0.502860367	3.1183E-06	0.002802363	0.000389309	0.001469361	0.001495249
2079 Oct	0.028453652	4.56352E-06	9.911793709	7.563760281	0.065967247	0.003048179	52.83356094	0.004323779	0.004869627	8.52812E-05	0.001211013	0.000455447	0.503712595	3.11965E-06	0.002807409	0.000389855	0.001470302	0.001497855
2079 Nov	0.028468773	4.56603E-06	9.922643661	7.571561813	0.06604179	0.003051826	52.89186859	0.004328409	0.004869847	8.53081E-05	0.001212462	0.000455948	0.504288614	3.12074E-06	0.0028108	0.000390222	0.001470996	0.001499528
2079 Dec	0.028475815	4.56715E-06	9.927791595	7.575257301	0.066077009	0.003053569	52.91979218	0.004330604	0.004869898	8.53168E-05	0.001213151	0.000456186	0.504562736	3.12121E-06	0.002812415	0.000390392	0.001471305	0.001500315
2080 Jan	0.028476203	4.5672E-06	9.928061485	7.575453758	0.066078849	0.003053659	52.9213028	0.00433072	0.004869919	8.53175E-05	0.001213187	0.000456199	0.504576981	3.12124E-06	0.002812498	0.000390401	0.001471325	0.001500354
2080 Feb	0.028476415	4.56722E-06	9.928137779	7.575511456	0.0660794	0.003053684	52.92172241	0.004330753	0.004869938	8.53181E-05	0.001213196	0.000456202	0.504581034	3.12126E-06	0.002812521	0.000390405	0.001471333	0.001500366
2080 Mar	0.02847654	4.56724E-06	9.928171158	7.575537205	0.066079639	0.003053694	52.92189789	0.004330767	0.004869954	8.53184E-05	0.0012132	0.000456204	0.504582703	3.12127E-06	0.00281253	0.000390406	0.001471337	0.001500371
2080 Apr	0.028478516	4.56755E-06	9.928853989	7.576058388	0.066084199	0.003053904	52.92554092	0.004331065	0.004870288	8.53243E-05	0.001213284	0.000456235	0.504617453	3.12148E-06	0.002812724	0.000390433	0.001471439	0.001500474
2080 May	0.028491383	4.56963E-06	9.933358192	7.579487801	0.066114321	0.003055293	52.94939041	0.004333029	0.004872417	8.53631E-05	0.001213836	0.000456442	0.504846692	3.12286E-06	0.002814004	0.00039061	0.001472091	0.00150116
2080 Jun	0.028533414	4.5795E-06	9.953424454	7.593579292	0.066256046	0.003062074	53.04314423	0.004341718	0.004872405	8.54167E-05	0.001216612	0.000457365	0.505915284	3.12416E-06	0.002820385	0.00039141	0.001473517	0.001504677
2080 Jul	0.028584145	4.59163E-06	9.977090836	7.610487938	0.066418782	0.003069872	53.15470886	0.004351964	0.004875257	8.55048E-05	0.001219773	0.000458452	0.507156491	3.12725E-06	0.002827699	0.000392314	0.001475621	0.001508786
2080 Aug	0.028629422	4.60153E-06	9.999481201	7.626747131	0.066569731	0.003077144	53.26644135	0.004361631	0.004879541	8.55999E-05	0.001222687	0.000459481	0.508321822	3.13117E-06	0.00283448	0.000393122	0.001477813	0.00151248

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Sep	0.028663905	4.60997E-06	10.02333641	7.643753529	0.066731468	0.00308511	53.38702011	0.004371851	0.004880543	8.56482E-05	0.001225869	0.000460579	0.509580016	3.13379E-06	0.002841916	0.000393925	0.001479511	0.001516406
2080 Oct	0.028688511	4.61565E-06	10.0431118	7.657817841	0.066865087	0.003091782	53.48987198	0.004380291	0.004880642	8.56694E-05	0.001228521	0.000461491	0.510628223	3.13562E-06	0.002848128	0.00039457	0.001480741	0.001519583
2080 Nov	0.02870507	4.61866E-06	10.05579472	7.666899681	0.066950813	0.003096067	53.55839157	0.004385707	0.004880911	8.56836E-05	0.001230219	0.000462077	0.511301875	3.13685E-06	0.002852102	0.000394983	0.001481549	0.001521537
2080 Dec	0.028706737	4.61892E-06	10.05695248	7.667738438	0.066958584	0.003096455	53.56481171	0.004386203	0.00488101	8.56855E-05	0.001230372	0.00046213	0.511363149	3.137E-06	0.002852461	0.000395022	0.001481636	0.00152171
2081 Jan	0.028706964	4.61895E-06	10.05705643	7.667815208	0.066959299	0.003096488	53.56538391	0.004386248	0.004881034	8.5686E-05	0.001230386	0.000462135	0.511368573	3.13702E-06	0.002852492	0.000395025	0.001481647	0.001521726
2081 Feb	0.028707102	4.61896E-06	10.05710316	7.667850018	0.066959627	0.003096503	53.56563187	0.004386268	0.004881048	8.56864E-05	0.001230391	0.000462137	0.511370957	3.13703E-06	0.002852505	0.000395027	0.001481652	0.001521732
2081 Mar	0.028707393	4.619E-06	10.05719566	7.667921543	0.06696026	0.003096532	53.56612778	0.004386309	0.004881092	8.56872E-05	0.001230403	0.000462142	0.511375666	3.13706E-06	0.002852532	0.000395031	0.001481665	0.001521746
2081 Apr	0.028710509	4.61951E-06	10.05830002	7.668762207	0.066967636	0.003096873	53.57200241	0.00438679	0.00488161	8.56964E-05	0.001230538	0.000462192	0.511431932	3.1374E-06	0.002852846	0.000395074	0.001481824	0.001521914
2081 May	0.028771931	4.6249E-06	10.07075214	7.678299427	0.06707155	0.003100927	53.63587952	0.004392277	0.004884211	8.59163E-05	0.001232182	0.000462773	0.512102783	3.13911E-06	0.002856607	0.000395734	0.00148299	0.001523855
2081 Jun	0.028859576	4.63497E-06	10.08744049	7.690663338	0.06722118	0.003106543	53.70597458	0.004399615	0.004883758	8.62418E-05	0.001234483	0.000463549	0.513019919	3.13936E-06	0.002861899	0.000396677	0.001483844	0.001526967
2081 Jul	0.028915258	4.64421E-06	10.10643101	7.705001354	0.067351401	0.003112469	53.80319214	0.00440789	0.004891434	8.64114E-05	0.001236847	0.000464422	0.5139938	3.14448E-06	0.002867384	0.000397442	0.001486366	0.001529975
2081 Aug	0.028966501	4.65306E-06	10.1249094	7.718906879	0.067477465	0.003118251	53.89747238	0.004415926	0.004898554	8.65672E-05	0.001239148	0.00046527	0.514941454	3.14937E-06	0.002872737	0.000398168	0.001488753	0.001532921
2081 Sep	0.029006412	4.66003E-06	10.14216137	7.731526375	0.067600638	0.003123893	53.98312378	0.004423356	0.004900825	8.66895E-05	0.001241398	0.000466066	0.515848398	3.1519E-06	0.002877996	0.000398829	0.001490193	0.001535796
2081 Oct	0.029030828	4.66403E-06	10.15481281	7.740715504	0.067690432	0.003128085	54.04811859	0.004428776	0.004901656	8.67605E-05	0.001243068	0.00046665	0.51651758	3.15341E-06	0.002881903	0.000399293	0.001491099	0.001537849
2081 Nov	0.029053554	4.66717E-06	10.16841507	7.750544548	0.067787252	0.003132656	54.12060928	0.004434583	0.004901635	8.68222E-05	0.001244887	0.00046728	0.517242968	3.15463E-06	0.002886159	0.000399779	0.001491909	0.001539986
2081 Dec	0.029058777	4.6678E-06	10.17162704	7.752885342	0.067809701	0.003133724	54.13837814	0.004435955	0.004901822	8.68366E-05	0.001245312	0.000467429	0.517413259	3.15502E-06	0.002887151	0.000399892	0.001492136	0.001540469
2082 Jan	0.029059626	4.66789E-06	10.17217255	7.753284931	0.067813501	0.003133905	54.14143372	0.004436188	0.00490186	8.6839E-05	0.001245384	0.000467454	0.517442167	3.1551E-06	0.002887319	0.000399912	0.001492177	0.00154055
2082 Feb	0.029059945	4.66793E-06	10.17230797	7.753386497	0.067814462	0.003133949	54.14217758	0.004436247	0.004901889	8.684E-05	0.001245401	0.00046746	0.51744926	3.15512E-06	0.002887359	0.000399917	0.00149219	0.00154057
2082 Mar	0.029060431	4.668E-06	10.17246723	7.753508568	0.06781555	0.003133998	54.14302826	0.004436316	0.004901966	8.68414E-05	0.001245421	0.000467467	0.517457366	3.15517E-06	0.002887405	0.000399923	0.001492214	0.001540594
2082 Apr	0.029062748	4.66837E-06	10.17327213	7.75412178	0.067820922	0.003134246	54.14730835	0.004436667	0.004902354	8.68483E-05	0.001245519	0.000467504	0.517498374	3.15542E-06	0.002887633	0.000399955	0.001492332	0.001540716
2082 May	0.02908599	4.67186E-06	10.18903637	7.765688896	0.067927808	0.003139379	54.23446274	0.004443402	0.00490458	8.69197E-05	0.001247564	0.000468233	0.518322885	3.15812E-06	0.002892406	0.0004005	0.001493725	0.001543086
2082 Jun	0.029178668	4.68982E-06	10.26324654	7.818549156	0.068443432	0.003164286	54.62617111	0.004475056	0.004902409	8.71226E-05	0.001257627	0.000471667	0.52226609	3.16438E-06	0.002915766	0.000403131	0.001498421	0.001554956
2082 Jul	0.02922594	4.70218E-06	10.28765011	7.835746765	0.068613552	0.003172413	54.73892212	0.004485602	0.004903246	8.72006E-05	0.001260956	0.000472788	0.523554087	3.16664E-06	0.002923436	0.000404084	0.001500335	0.001559327
2082 Aug	0.029266989	4.71096E-06	10.30537701	7.848819733	0.068731904	0.003178039	54.82713318	0.004493291	0.004908735	8.73021E-05	0.001263209	0.000473601	0.52446574	3.17073E-06	0.002928669	0.000404747	0.00150245	0.001562255
2082 Sep	0.02928862	4.71674E-06	10.31721973	7.85735321	0.068810903	0.00318189	54.88404846	0.004498397	0.004910842	8.73423E-05	0.001264751	0.000474144	0.525080502	3.17275E-06	0.002932265	0.000405168	0.001503591	0.001564301
2082 Oct	0.029301874	4.7223E-06	10.33295441	7.868147373	0.068917491	0.003187364	54.95953751	0.004505089	0.004908382	8.73113E-05	0.00126694	0.000474867	0.525924206	3.17289E-06	0.002937396	0.000405666	0.001504152	0.0015671
2082 Nov	0.029311957	4.7239E-06	10.33934116	7.872776031	0.068960764	0.003189486	54.99465561	0.00450783	0.004909006	8.73278E-05	0.001267788	0.000475162	0.526261389	3.17375E-06	0.002939366	0.000405889	0.001504673	0.00156807
2082 Dec	0.029314226	4.72428E-06	10.34111023	7.87405777	0.068972543	0.003190072	55.00453568	0.004508587	0.004909182	8.73312E-05	0.001268022	0.000475244	0.526354492	3.174E-06	0.00293991	0.000405949	0.00150482	0.001568335
2083 Jan	0.029314559	4.72433E-06	10.34132099	7.874211311	0.068973958	0.003190141	55.0057106	0.004508677	0.004909212	8.73319E-05	0.00126805	0.000475254	0.526365519	3.17404E-06	0.002939975	0.000405956	0.001504838	0.001568367
2083 Feb	0.029314887	4.72438E-06	10.3414278	7.874293327	0.068974689	0.003190174	55.00628281	0.004508724	0.004909262	8.73328E-05	0.001268063	0.000475259	0.526371002	3.17407E-06	0.002940005	0.000405961	0.001504854	0.001568383
2083 Mar	0.029315541	4.72448E-06	10.34165287	7.874463558	0.068976194	0.003190243	55.00747299	0.004508822	0.004909368	8.73347E-05	0.001268091	0.000475269	0.526382387	3.17414E-06	0.002940069	0.00040597	0.001504886	0.001568417
2083 Apr	0.029318817	4.725E-06	10.34280491	7.875340939	0.068983883	0.003190598	55.0135994	0.004509324	0.004909916	8.73445E-05	0.001268232	0.000475322	0.526441097	3.17449E-06	0.002940396	0.000406015	0.001505054	0.001568592
2083 May	0.029405393	4.73651E-06	10.40233707	7.918664455	0.069396146	0.003210265	55.34336853	0.004534739	0.00491369	8.76017E-05	0.001276111	0.000478081	0.529585302	3.18231E-06	0.002958729	0.000408123	0.001509589	0.00157762
2083 Jun	0.029532136	4.7502E-06	10.44075871	7.946723938	0.069711357	0.003223176	55.52917099	0.004551328	0.004910814	8.81078E-05	0.001281386	0.000479869	0.531672895	3.18365E-06	0.002970906	0.00040995	0.001511505	0.001584257
2083 Jul	0.029592562	4.76083E-06	10.46253681	7.96277523	0.069868155	0.003230172	55.63405991	0.004560767	0.004915336	8.83038E-05	0.001284205	0.000480872	0.532809675	3.18752E-06	0.002977453	0.000410847	0.001513682	0.001587982
2083 Aug	0.029668875	4.77235E-06	10.49218559	7.984596252	0.070081979	0.003239808	55.78487396	0.004573577	0.004919919	8.85478E-05	0.00128808	0.000482242	0.53436929	3.19215E-06	0.002986454	0.000412023	0.00151634	0.001592836
2083 Sep	0.029717177	4.78082E-06	10.51893139	8.003909111	0.070271507	0.003248695	55.92137146	0.004585022	0.004920859	8.86872E-05	0.001291631	0.000483477	0.535785556	3.19504E-06	0.00299476	0.000412989	0.001518144	0.001597267
2083 Oct	0.029755283	4.78753E-06	10.54565907	8.022976875	0.070459604	0.003257773	56.06024933	0.004596397	0.004919476	8.87662E-05	0.001295233	0.000484712	0.537213981	3.19679E-06	0.003003222	0.000413894	0.001519458	0.001601662
2083 Nov	0.029772939	4.79041E-06	10.55927658	8.032757759	0.070553511	0.003262366	56.1335907	0.004602191	0.004919403	8.88001E-05	0.001297052	0.000485342	0.537938297	3.19803E-06	0.003007491	0.000414344	0.001520243	0.001603816
2083 Dec	0.029775912	4.79082E-06	10.56167507	8.034500122	0.070569783	0.003263162	56.14701843	0.004603212	0.004919556	8.88074E-05	0.001297367	0.000485453	0.538064837	3.19835E-06	0.00300823	0.000414424	0.001520418	0.001604178
2084 Jan	0.029776113	4.79085E-06	10.56179619	8.034588814	0.070570618	0.003263202	56.14769363	0.004603264	0.00491957	8.88079E-05	0.001297383	0.000485458	0.538071275	3.19837E-06	0.003008267	0.000414428	0.001520428	0.001604196
2084 Feb	0.029776279	4.79087E-06	10.56184483	8.034626961	0.070570968	0.003263217	56.14795685	0.004603285	0.004919589	8.88084E-05	0.001297389	0.00048546	0.538073778	3.19838E-06	0.003008281	0.00041443	0.001520434	0.001604203
2084 Mar	0.029776962	4.79097E-06	10.56208038	8.034805298	0.070572555	0.003263289	56.14920425	0.004603387	0.004919699	8.88104E-05	0.001297418	0.000485471	0.538085759	3.19845E-06	0.003008348	0.000414439	0.001520468	0.001604239
2084 Apr	0.029782856	4.7919E-06	10.56467819	8.036752701	0.070590012	0.003264111	56.16326523	0.004604511	0.004920556	8.88277E-05	0.001297745	0.000485591	0.53821969	3.19909E-06	0.003009108	0.000414536	0.00152078	0.001604633
2084 May	0.029867787	4.80001E-06	10.59524059	8.059495926	0.07081987	0.003274148	56.32844162	0.004617694	0.004923921	8.91341E-05	0.001301774	0.000487011	0.539847553	3.20314E-06	0.003018446	0.00041582	0.001523216	0.001609341
2084 Jun	0.02997075	4.81087E-06	10.6157465	8.074568748	0.071011022	0.003281133	56.41290665	0.004626628	0.004920303	8.95708E-05	0.001304646	0.000487968	0.540987074	3.20226E-06	0.00302508	0.000416995	0.001523727	0.001613352
2084 Jul	0.030031167	4.82079E-06	10.63609219	8.089736938	0.071156844	0.003287604	56.51292038	0.004635466	0.004925917	8.97693E-05	0.001307243	0.000488904	0.542044222	3.20649E-06	0.003031111	0.000417841	0.001525972	0.001616754
2084 Aug	0.03008466	4.83002E-06	10.65724277	8.105402946	0.071305849	0.003294377	56.61873245	0.004644609	0.004930865	8.99425E-05	0.001309949	0.000489878	0.543144345	3.21064E-06	0.00303742	0.000418667	0.001528141	0.00162026
2084 Sep	0.030131973	4.83772E-06	10.68157005	8.123063087	0.071480706	0.003302433	56.74289703	0.004655026	0.004931913	9.00968E-05	0.001313166	0.000491003	0.544432938	3.21339E-06	0.003044946	0.00041957	0.001529814	0.001624299
2084 Oct	0.030173646	4.84411E-06	10.70965385	8.143294334	0.071679205	0.003311865	56.89179611	0.004666984	0.004931504	9.02144E-05	0.001316917	0.000492302	0.54592818	3.21588E-06	0.00305374	0.000420546	0.001531426	0.001628832
2084 Nov	0.030189257	4.8464E-06	10.72070313	8.151272774	0.071756333	0.003315573	56.95148849	0.004671688	0.004931563	9.02542E-05	0.001318388	0.000492814	0.546515584	3.21697E-06	0.003057189	0.000420923	0.001532094	0.001630579
2084 Dec	0.030191123	4.84666E-06	10.72209167	8.152285576	0.071765795	0.003316031	56.95923615	0.00467228	0.004931684	9.02596E-05	0.00131857	0.000492878	0.546588659	3.21717E-06	0.003057614	0.00042097	0.001532201	0.001630789
2085 Jan	0.03019193	4.84676E-06	10.72275829	8.152770042	0.071770363	0.003316252	56.96297836	0.004672563	0.004931716	9.02619E-05	0.001318658	0.000492909	0.546623886	3.21726E-06	0.00305782	0.000420993	0.001532248	0.00163089
2085 Feb	0.030192254	4.84681E-06	10.72294903	8.152910233	0.071771681	0.003316314	56.96403503	0.004672645	0.004931743	9.02628E-05	0.001318682	0.000492918	0.546633899	3.21729E-06	0.003057878	0.000420999	0.001532264	0.001630919
2085 Mar	0.030192528	4.84685E-06	10.72304249	8.152981758	0.071772315	0.003316343	56.96453094	0.004672686	0.004931784	9.02636E-05	0.001318694	0.000492922	0.546638668	3.21732E-06	0.003057905	0.000421003	0.001532277	0.001630933
2085 Apr	0.030196195	4.8474E-06	10.72486019	8.154334068	0.071784623	0.003316925	56.97445297	0.004673468	0.004932253	9.02746E-05	0.001318925	0.000493006	0.546732962	3.21771E-06	0.003058444	0.000421069	0.001532473	0.00163121
2085 May	0.030262664	4.85414E-06	10.74994946	8.172961235	0.071972609	0.003325159	57.10892105	0.004684272	0.004934773	9.05208E-05	0.001322229	0.000494171	0.54806757	3.22101E-06	0.003066113	0.00042211	0.001534439	0.001635136
2085 Jun	0.030349785	4.86395E-06	10.77487755	8.191440582	0.072173633	0.003333386	57.23009491	0.004695062	0.004935763	9.08679E-05	0.001325558	0.000495329	0.549407244	3.22322E-06	0.003073831	0.00042328	0.001536093	0.001639428
2085 Jul	0.03041658	4.8745E-06	10.80107403	8.210954666	0.072357565	0.003341742	57.36500168	0.00470639	0.004942559	9.10872E-05	0.001328898	0.000496536	0.550768316	3.22869E-06	0.003081603	0.00042431	0.001538908	0.001643646
2085 Aug	0.030480765	4.88591E-06	10.83530045	8.235848427	0.072600119	0.003352973	57.53874969	0.00472104	0.004945204	9.13039E-05	0.001333383	0.000498116	0.552569926	3.23326E-06	0.003092105	0.000425558	0.001541484	0.001649366
2085 Sep	0.030530795	4.89578E-06	10.87530231	8.26455307	0.072879046	0.003366351	57.74724579	0.004738037	0.004944534	9.14519E-05	0.001338698	0.000499965	0.554690003	3.23709E-06	0.003104602	0.000426894	0.001543805	0.00165598
2085 Oct	0.030563099	4.90241E-06	10.90923119	8.288834572	0.073111191	0.003377748	57.92878723	0.004752408	0.004943576	9.15294E-05	0.001343213	0.000501533	0.556488514	3.24024E-06	0.00311523	0.000427975	0.001545687	0.001661465
2085 Nov	0.030580714	4.90587E-06	10.93025112	8.303896904	0.073253639	0.003384807	58.04357147	0.004761302	0.004943134	9.15675E-05	0.001346006	0.000502505	0.557601988	3.24231E-06	0.003121804	0.000428632	0.001546886	0.001664793
2085 Dec	0.030582178	4.90613E-06	10.93201351	8.305171013	0.073265396	0.003385391	58.05344772	0.004762049	0.004943205	9.15712E-05	0.001346238	0.000502587	0.557694614	3.24255E-06	0.003122347	0.000428687	0.001547009	0.001665062
2086 Jan	0.030582355	4.90615E-06	10.93217278	8.305287361	0.073266469	0.003385443	58.05434036	0.004762117	0.004943217	9.15716E-05	0.001346258	0.000502594	0.557703078	3.24257E-06	0.003122396	0.000428692	0.00154702	0.001665087
2086 Feb	0.030582476	4.90617E-06	10.93222809	8.305328369	0.073266864	0.003385461	58.05464554	0.004762141	0.004943226	9.1572E-05	0.001346266	0.000502596	0.557705998	3.24258E-06	0.003122413	0.000428695	0.001547026	0.001665095
2086 Mar	0.030582832	4.90622E-06	10.93235588	8.30542469	0.073267736	0.003385501	58.05532455	0.004762196	0.00494328	9.1573E-05	0.001346282	0.000502602	0.557712495	3.24262E-06	0.00312245	0.0004287	0.001547043	0.001665115
2086 Apr	0.030586587	4.90682E-06	10.93369579	8.306442261	0.073276713	0.003385916	58.06243896	0.004762779	0.004943884	9.15842E-05	0.001346446	0.000502664	0.557780862	3.24301E-06	0.003122832	0.000428752	0.001547232	0.001665319
2086 May	0.030616898	4.91101E-06	10.95125103	8.319365501	0.073398344	0.003391635	58.15849686	0.00477029	0.004946296	9.16856E-05	0.001348724	0.000503476	0.558701575	3.24592E-06	0.00312815	0.000429382	0.001548748	0.001668029
2086 Jun	0.030735981	4.92418E-06	10.99211884	8.349165916	0.073723771	0.003405371	58.36148071	0.00478788	0.004943849	9.21465E-05	0.001354295	0.000505377	0.560913205	3.24785E-06	0.003141061	0.000431209	0.00155084	0.001675065
2086 Jul	0.030809388	4.93731E-06	11.02173328	8.37093544	0.073933057	0.00341492	58.50837326	0.004800688	0.004949744	9.23706E-05	0.001358138	0.00050674	0.562458932	3.2531E-06	0.003149982	0.000432388	0.00155378	0.001680057
2086 Aug	0.030876443	4.94939E-06	11.05672836	8.396494865	0.074175961	0.003426311	58.68916702	0.004815716	0.004954605	9.25729E-05	0.001362699	0.000508355	0.564290881	3.2587E-06	0.003160616	0.00043367	0.001556862	0.001685799
2086 Sep	0.030916424	4.95837E-06	11.08800888	8.41888237	0.074392065	0.003436758	58.85002899	0.004829039	0.004954605	9.26726E-05	0.001366857	0.000509799	0.565945089	3.26186E-06	0.003170377	0.000434714	0.001558811	0.001691055
2086 Oct	0.030945037	4.96397E-06	11.11472416	8.438117027	0.074573316	0.003445647	58.99456787	0.004840391	0.004955283	9.27419E-05	0.00137039	0.000511034	0.56735462	3.26501E-06	0.003178661	0.000435582	0.001560601	0.001695322
2086 Nov	0.030949734	4.96476E-06	11.11830616	8.440731049	0.074597396	0.003446819	59.01432037	0.004841919	0.004955712	9.27549E-05	0.001370856	0.000511199	0.567542136	3.26559E-06	0.003179751	0.000435702	0.001560903	0.001695874
2086 Dec	0.030950567	4.9649E-06	11.11909485	8.441304207	0.074602656	0.003447078	59.01871109	0.004842255	0.004955781	9.27571E-05	0.001370959	0.000511236	0.567583501	3.26571E-06	0.003179992	0.000435728	0.001560966	0.001695996
2087 Jan	0.030950677	4.96492E-06	11.1191473	8.441343307	0.074603029	0.003447095	59.01900482	0.004842278	0.004955792	9.27574E-05	0.001370966	0.000511238	0.567586243	3.26572E-06	0.003180008	0.00043573	0.001560971	0.001696004
2087 Feb	0.030950941	4.96496E-06	11.1192379	8.441411972	0.074603647	0.003447123	59.01948547	0.004842317	0.004955831	9.27582E-05	0.001370977	0.000511242	0.567590892	3.26575E-06	0.003180034	0.000435733	0.001560983	0.001696017
2087 Mar	0.030951781	4.96509E-06	11.11953354	8.441637039	0.074605636	0.003447215	59.02105713	0.004842446	0.004955964	9.27607E-05	0.001371013	0.000511256	0.567605972	3.26583E-06	0.003180119	0.000435745	0.001561025	0.001696063
2087 Apr	0.030953716	4.9654E-06	11.12022591	8.442163467	0.074610285	0.00344743	59.02473068	0.004842748	0.004956273	9.27665E-05	0.001371099	0.000511288	0.567641318	3.26604E-06	0.003180316	0.000435772	0.001561122	0.001696168
2087 May	0.030981285	4.96836E-06	11.1274271	8.447583199	0.074667878	0.003449769	59.06068039	0.004845881	0.004957334	9.28739E-05	0.001372043	0.000511622	0.568025529	3.26702E-06	0.0031825	0.000436116	0.001561734	0.001697373
2087 Jun	0.03106923	4.9782E-06	11.14936829	8.463788986	0.074854024	0.003457084	59.16174698	0.004855406	0.004956611	9.32324E-05	0.001375026	0.000512643	0.56921804	3.268E-06	0.003189396	0.000437225	0.001562912	0.001701383
2087 Jul	0.031134747	4.9888E-06	11.1749754	8.482748985	0.075035743	0.003465311	59.29158401	0.004866478	0.004962176	9.34447E-05	0.001378324	0.000513824	0.570554197	3.2728E-06	0.003197065	0.000438239	0.001565488	0.001705612

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2087 Aug	0.031186242	4.99768E-06	11.19640636	8.4986763	0.075183585	0.003472136	59.40167236	0.004875741	0.00496799	9.36053E-05	0.001381046	0.000514811	0.571663976	3.27744E-06	0.00320341	0.000439055	0.001567839	0.001709086
2087 Sep	0.031232644	5.00553E-06	11.22262955	8.517848015	0.075365573	0.003480699	59.53971481	0.00488697	0.004971175	9.3752E-05	0.001384462	0.000516022	0.573039114	3.28152E-06	0.003211392	0.000439996	0.001570033	0.001713337
2087 Oct	0.03126657	5.01104E-06	11.24964333	8.537356377	0.075552903	0.003489686	59.68556213	0.004898454	0.004971523	9.38565E-05	0.001388042	0.000517272	0.574468553	3.28451E-06	0.00321978	0.000440912	0.001571778	0.00171768
2087 Nov	0.031280331	5.01316E-06	11.26137638	8.545829773	0.075633839	0.003493596	59.74982071	0.004903437	0.004971643	9.38968E-05	0.001389598	0.000517815	0.575089753	3.28581E-06	0.003223426	0.000441303	0.001572529	0.00171954
2087 Dec	0.031281989	5.0134E-06	11.26287746	8.54692173	0.075644031	0.003494092	59.75822067	0.004904075	0.004971733	9.39019E-05	0.001389796	0.000517884	0.575168788	3.28602E-06	0.003223887	0.000441353	0.001572639	0.001719772
2088 Jan	0.031282287	5.01344E-06	11.26307583	8.547066689	0.07564538	0.003494157	59.75931931	0.004904159	0.004971758	9.39028E-05	0.001389821	0.000517893	0.57517916	3.28605E-06	0.003223947	0.00044136	0.001572656	0.001719802
2088 Feb	0.031282466	5.01346E-06	11.26317787	8.547142029	0.075646088	0.00349419	59.75988007	0.004904203	0.004971772	9.39033E-05	0.001389835	0.000517898	0.575184524	3.28607E-06	0.003223978	0.000441364	0.001572665	0.001719818
2088 Mar	0.03128336	5.0136E-06	11.26349926	8.547385216	0.075648256	0.003494289	59.76158905	0.004904342	0.004971911	9.3906E-05	0.001389874	0.000517913	0.575200975	3.28616E-06	0.00322407	0.000441376	0.00157271	0.001719867
2088 Apr	0.031290721	5.01478E-06	11.26614189	8.549391747	0.075666018	0.003495109	59.77559662	0.004905493	0.004973077	9.39281E-05	0.0013902	0.000518035	0.57533592	3.28693E-06	0.003224827	0.00044148	0.001573078	0.001720271
2088 May	0.031308115	5.01756E-06	11.2723608	8.55410099	0.075708322	0.003497046	59.80823898	0.004908198	0.004975641	9.39804E-05	0.001390971	0.00051832	0.575654447	3.28866E-06	0.003226617	0.000441726	0.001573912	0.001721235
2088 Jun	0.031353295	5.02688E-06	11.29388046	8.5693817	0.075864144	0.003504253	59.91110611	0.004917477	0.004975406	9.4088E-05	0.001393919	0.000519313	0.576800287	3.29022E-06	0.003233413	0.000442596	0.001575385	0.001725124
2088 Jul	0.031416174	5.03865E-06	11.32144642	8.589647293	0.07605321	0.003513114	60.0516243	0.004929407	0.00498189	9.42549E-05	0.001397485	0.000520582	0.578232706	3.29561E-06	0.003241671	0.00044366	0.001578343	0.001729663
2088 Aug	0.031476974	5.04962E-06	11.34843159	8.609708786	0.076234974	0.003521675	60.19269562	0.004941079	0.004990099	9.4427E-05	0.001400904	0.000521824	0.579624116	3.3019E-06	0.003249617	0.000444671	0.001581508	0.001733955
2088 Sep	0.031509805	5.05691E-06	11.37227345	8.626976967	0.076395154	0.003529467	60.31791306	0.004951273	0.00499288	9.45094E-05	0.00140402	0.000522923	0.580869317	3.30565E-06	0.003256891	0.000445488	0.001583559	0.001737859
2088 Oct	0.031527363	5.06282E-06	11.40038013	8.646793365	0.076584667	0.00353899	60.46559143	0.004963154	0.004990642	9.45213E-05	0.001407813	0.00052422	0.582361341	3.30762E-06	0.003265804	0.000446358	0.001584947	0.001742613
2088 Nov	0.031538237	5.06516E-06	11.41256046	8.655515671	0.076666318	0.003543071	60.53203583	0.004968322	0.004990715	9.45371E-05	0.001409433	0.000524782	0.58300513	3.30893E-06	0.003269604	0.000446745	0.001585721	0.001744571
2088 Dec	0.031539679	5.06541E-06	11.41401386	8.656568527	0.076675974	0.003543551	60.54016495	0.00496894	0.004990824	9.45403E-05	0.001409624	0.000524849	0.583081424	3.30914E-06	0.00327005	0.000446791	0.001585833	0.001744796
2089 Jan	0.031539831	5.06544E-06	11.41409206	8.656626701	0.07667651	0.003543576	60.54059601	0.004968973	0.00499084	9.45406E-05	0.001409634	0.000524853	0.583085537	3.30915E-06	0.003270073	0.000446794	0.00158584	0.001744808
2089 Feb	0.031540025	5.06546E-06	11.4141531	8.656673431	0.076676942	0.003543595	60.54092407	0.004969001	0.004990865	9.45412E-05	0.001409642	0.000524856	0.583088696	3.30917E-06	0.003270091	0.000446797	0.001585849	0.001744818
2089 Mar	0.031541109	5.06563E-06	11.41454124	8.656967163	0.076679558	0.003543715	60.54298019	0.004969169	0.004991035	9.45444E-05	0.00140969	0.000524874	0.583108485	3.30928E-06	0.003270202	0.000446812	0.001585902	0.001744877
2089 Apr	0.031545796	5.06639E-06	11.41623211	8.658249855	0.07669092	0.00354424	60.55194473	0.004969905	0.004991774	9.45585E-05	0.001409899	0.000524951	0.583194911	3.30977E-06	0.003270687	0.000446878	0.001586137	0.001745135
2089 May	0.031587023	5.07109E-06	11.42759514	8.666786194	0.076779753	0.003547923	60.60903931	0.004974848	0.004993716	9.47125E-05	0.001411385	0.000525478	0.583798587	3.31145E-06	0.003274122	0.000447407	0.001587156	0.001747039
2089 Jun	0.03169382	5.08265E-06	11.45585632	8.687818527	0.077009887	0.003557248	60.74728012	0.004987127	0.004995383	9.51239E-05	0.00141517	0.000526792	0.585320413	3.31401E-06	0.003282861	0.00044878	0.001589144	0.001751967
2089 Jul	0.031766269	5.09415E-06	11.48563957	8.709872246	0.077219732	0.003566826	60.90084457	0.004999987	0.005001778	9.53565E-05	0.001419006	0.000528166	0.586874425	3.31962E-06	0.003291782	0.000449941	0.001592127	0.001756844
2089 Aug	0.031832501	5.10479E-06	11.51591969	8.732225418	0.077430636	0.003576594	61.05935669	0.005013026	0.005007708	9.55653E-05	0.00142291	0.000529563	0.588454902	3.32519E-06	0.003300878	0.000451077	0.001595057	0.001761751
2089 Sep	0.031877879	5.11354E-06	11.54953003	8.756533623	0.077661924	0.003587684	61.23651886	0.005027339	0.005009477	9.57046E-05	0.001427329	0.000531115	0.590223312	3.32953E-06	0.003311236	0.00045222	0.001597468	0.00176731
2089 Oct	0.031909134	5.12077E-06	11.5870924	8.783243179	0.077919379	0.003600383	61.43594742	0.005043216	0.005006941	9.57714E-05	0.001432364	0.000532851	0.592220187	3.33235E-06	0.003323099	0.000453402	0.001599287	0.001773623
2089 Nov	0.031920485	5.1228E-06	11.59835911	8.79137516	0.077995345	0.003604135	61.49803162	0.005047996	0.005007301	9.57975E-05	0.00143385	0.000533371	0.592814624	3.33371E-06	0.003326588	0.000453762	0.001600038	0.001775417
2089 Dec	0.031923946	5.12334E-06	11.60195637	8.793979645	0.078019537	0.003605327	61.51822662	0.005049523	0.005007461	9.58066E-05	0.001434323	0.000533538	0.593004167	3.33418E-06	0.003327698	0.000453877	0.001600292	0.001775977
2090 Jan	0.031924266	5.12339E-06	11.60213661	8.794133159	0.078020766	0.003605386	61.51921844	0.0050496	0.0050075	9.58075E-05	0.001434346	0.000533546	0.593013525	3.33422E-06	0.003327752	0.000453884	0.00160031	0.001776005
2090 Feb	0.031924661	5.12345E-06	11.60237312	8.794287682	0.078022361	0.003605462	61.52051544	0.005049701	0.005007545	9.58086E-05	0.001434377	0.000533557	0.593025863	3.33426E-06	0.003327823	0.000453892	0.001600332	0.001776042
2090 Mar	0.031925526	5.12359E-06	11.60270309	8.794537544	0.078024589	0.003605565	61.52227402	0.005049845	0.005007675	9.58112E-05	0.001434418	0.000533572	0.593042791	3.33435E-06	0.003327918	0.000453905	0.001600376	0.001776092
2090 Apr	0.031928405	5.12405E-06	11.60375023	8.795331001	0.078031637	0.003605891	61.52782822	0.005050301	0.005008125	9.58198E-05	0.001434547	0.00053362	0.593096316	3.33465E-06	0.003328218	0.000453946	0.00160052	0.001776253
2090 May	0.031975936	5.13233E-06	11.66047001	8.836349487	0.078412615	0.003624645	61.84518051	0.005074324	0.005010117	9.59673E-05	0.001442009	0.000536245	0.596080065	3.34214E-06	0.003345707	0.000455756	0.001604503	0.001785132
2090 Jun	0.032107081	5.14935E-06	11.7450037	8.897442818	0.079027012	0.003652875	62.2951622	0.005110277	0.005006576	9.64858E-05	0.001453357	0.000540168	0.600588977	3.34921E-06	0.003372184	0.000458887	0.001609294	0.001799213
2090 Jul	0.032168187	5.16026E-06	11.77168179	8.917076111	0.079213582	0.003661456	62.43030167	0.005121791	0.005011992	9.66774E-05	0.001456807	0.000541397	0.601978779	3.35413E-06	0.003380197	0.000459927	0.001611975	0.001803686
2090 Aug	0.032232527	5.17303E-06	11.81432819	8.947759628	0.079512067	0.003675605	62.64985275	0.005139998	0.005012868	9.6868E-05	0.00146247	0.000543367	0.60423243	3.35882E-06	0.003393443	0.000461418	0.001614852	0.00181097
2090 Sep	0.032259583	5.1811E-06	11.84220505	8.967453957	0.079703823	0.003685041	62.78999329	0.005151818	0.005010888	9.69167E-05	0.00146621	0.000544653	0.60571301	3.36074E-06	0.003402267	0.000462299	0.001616191	0.001815927
2090 Oct	0.032278217	5.18701E-06	11.86844826	8.985891342	0.079881489	0.00369408	62.92637253	0.005162904	0.005007991	9.69044E-05	0.001469757	0.000545863	0.607115924	3.36191E-06	0.003410671	0.000463071	0.001617144	0.001820517
2090 Nov	0.03228223	5.18902E-06	11.87808609	8.992648125	0.079945281	0.003697392	62.97674942	0.005166964	0.005006994	9.68901E-05	0.001471053	0.000546306	0.607629061	3.36243E-06	0.003413749	0.000463338	0.001617506	0.001822197
2090 Dec	0.032283653	5.18927E-06	11.87938499	8.993590355	0.079953887	0.003697822	62.9840126	0.005167515	0.005007108	9.68926E-05	0.001471223	0.000546366	0.607697308	3.36262E-06	0.003414148	0.00046338	0.001617604	0.0018224
2091 Jan	0.032284003	5.18932E-06	11.87967587	8.993803024	0.079955846	0.003697919	62.98564529	0.00516764	0.005007135	9.68932E-05	0.001471261	0.00054638	0.607712686	3.36266E-06	0.003414238	0.000463389	0.001617626	0.001822446
2091 Feb	0.032284159	5.18934E-06	11.87976551	8.993867874	0.079956457	0.003697948	62.98613739	0.005167678	0.005007148	9.68936E-05	0.001471273	0.000546384	0.607717335	3.36267E-06	0.003414264	0.000463392	0.001617634	0.00182246
2091 Mar	0.032285597	5.18957E-06	11.88028908	8.994264603	0.079959996	0.003698111	62.98891449	0.005167906	0.005007367	9.68979E-05	0.001471338	0.000546408	0.607744157	3.36282E-06	0.003414415	0.000463413	0.001617705	0.00182254
2091 Apr	0.032291163	5.19046E-06	11.88233185	8.995811462	0.079973757	0.003698747	62.99974823	0.005168795	0.005008228	9.69146E-05	0.001471591	0.000546502	0.607848644	3.3634E-06	0.003415002	0.000463492	0.001617983	0.001822854
2091 May	0.032328073	5.19487E-06	11.89663029	9.006472588	0.080076903	0.00370339	63.0768013	0.005174966	0.005010928	9.70367E-05	0.001473442	0.000547164	0.60860157	3.36586E-06	0.003419307	0.000464062	0.001619312	0.001825118
2091 Jun	0.032440789	5.2058E-06	11.92366219	9.026602745	0.080305584	0.003712445	63.20812607	0.005186726	0.0050109	9.74687E-05	0.001477109	0.000548424	0.610075474	3.36725E-06	0.00342778	0.000465426	0.001620824	0.001829973
2091 Jul	0.032510605	5.21659E-06	11.94857025	9.045292854	0.080479465	0.003720332	63.33734894	0.005197547	0.005018977	9.76853E-05	0.001480262	0.000549571	0.611364841	3.37305E-06	0.003435092	0.00046643	0.001623789	0.001833965
2091 Aug	0.032566082	5.22716E-06	11.97640228	9.065534592	0.080676042	0.003729462	63.47641373	0.00520949	0.005021704	9.78569E-05	0.0014839	0.000550855	0.612828135	3.3769E-06	0.003443616	0.000467448	0.001625964	0.001838802
2091 Sep	0.032613769	5.23592E-06	12.00836468	9.088611603	0.080899268	0.003740108	63.64407349	0.005223128	0.005022517	9.79899E-05	0.001488128	0.000552333	0.614520013	3.38044E-06	0.003453534	0.000468542	0.001628059	0.001844194
2091 Oct	0.032636933	5.24171E-06	12.03658485	9.108685493	0.081091963	0.003749649	63.79361343	0.005235064	0.005020828	9.80343E-05	0.0014919	0.000553636	0.61601913	3.38265E-06	0.003462431	0.000469417	0.001629453	0.001849008
2091 Nov	0.032652814	5.24522E-06	12.0566721	9.122994423	0.081228271	0.003756466	63.90246582	0.005243558	0.005019693	9.80538E-05	0.001494587	0.000554565	0.61708802	3.38421E-06	0.003468771	0.00047003	0.00163043	0.001852364
2091 Dec	0.032655966	5.24573E-06	12.05983543	9.125283241	0.081249535	0.003757521	63.92017746	0.005244901	0.005019819	9.80603E-05	0.001495004	0.000554711	0.617255032	3.3846E-06	0.00346975	0.000470131	0.001630645	0.001852865
2092 Jan	0.032656476	5.24582E-06	12.060359	9.12566185	0.081253037	0.003757695	63.92311478	0.005245123	0.005019849	9.80614E-05	0.001495073	0.000554735	0.617282569	3.38467E-06	0.003469911	0.000470147	0.001630682	0.001852947
2092 Feb	0.032656815	5.24587E-06	12.06053829	9.125794411	0.081254259	0.003757752	63.92409515	0.005245199	0.005019885	9.80624E-05	0.001495096	0.000554744	0.617291868	3.38471E-06	0.003469965	0.000470154	0.001630699	0.001852975
2092 Mar	0.032658525	5.24614E-06	12.06116962	9.126272202	0.08125852	0.003757949	63.92744064	0.005245474	0.005020143	9.80675E-05	0.001495174	0.000554773	0.617324233	3.38488E-06	0.003470146	0.000470178	0.001630784	0.001853072
2092 Apr	0.0326632	5.24689E-06	12.06288815	9.127573013	0.081270121	0.003758485	63.93655396	0.005246222	0.005020859	9.80815E-05	0.001495387	0.000554852	0.617412269	3.38536E-06	0.003470641	0.000470245	0.001631016	0.001853336
2092 May	0.032733709	5.25728E-06	12.12741089	9.174420357	0.081710979	0.003779826	64.29634094	0.005273614	0.005023526	9.83117E-05	0.001503878	0.00055784	0.620814502	3.39376E-06	0.003490523	0.000472385	0.001635559	0.001863572
2092 Jun	0.032885622	5.27245E-06	12.18455505	9.216022491	0.082168974	0.003799116	64.58519745	0.005298081	0.005017187	9.896E-05	0.001511688	0.000560502	0.623917162	3.3956E-06	0.003508675	0.00047489	0.001637948	0.001873799
2092 Jul	0.032948226	5.28348E-06	12.21095371	9.235222816	0.082361333	0.003807763	64.71412659	0.005309456	0.005019496	9.91677E-05	0.001515185	0.000561721	0.625310004	3.39893E-06	0.003516794	0.00047596	0.001640075	0.001878505
2092 Aug	0.033013701	5.29466E-06	12.24429989	9.259784698	0.082591116	0.003818516	64.88983917	0.005323791	0.005025826	9.93753E-05	0.001519486	0.000563259	0.627047658	3.40513E-06	0.00352681	0.000477191	0.001643319	0.001883943
2092 Sep	0.03306764	5.30456E-06	12.28949356	9.292458534	0.082901739	0.003833446	65.13374329	0.005343014	0.005027464	9.95496E-05	0.001525452	0.00056535	0.629428744	3.41082E-06	0.003540762	0.000478724	0.001646534	0.001891393
2092 Oct	0.033094104	5.31072E-06	12.32564163	9.318382263	0.083145641	0.003845474	65.33094025	0.005358302	0.005027141	9.96291E-05	0.001530242	0.000567022	0.631334901	3.41487E-06	0.003552005	0.000479867	0.001648803	0.001897353
2092 Nov	0.033100087	5.31226E-06	12.33486176	9.324994087	0.083207242	0.003848539	65.38140106	0.005362199	0.005027145	9.96455E-05	0.00153146	0.000567448	0.631820261	3.41595E-06	0.003554868	0.000480153	0.001649393	0.001898867
2092 Dec	0.033101104	5.31245E-06	12.33590603	9.325753212	0.083214194	0.003848881	65.38721466	0.005362642	0.005027236	9.96485E-05	0.001531596	0.000567496	0.631874919	3.41611E-06	0.003555187	0.000480187	0.001649476	0.001899032
2093 Jan	0.033101335	5.3125E-06	12.33618641	9.325956345	0.083216064	0.003848974	65.38878632	0.005362761	0.005027249	9.96492E-05	0.001531633	0.000567509	0.631889641	3.41615E-06	0.003555273	0.000480195	0.001649496	0.001899076
2093 Feb	0.033101581	5.31253E-06	12.3362875	9.326031685	0.083216764	0.003849006	65.389328	0.005362805	0.00502728	9.96499E-05	0.001531646	0.000567514	0.631894886	3.41618E-06	0.003555303	0.000480199	0.001649508	0.001899092
2093 Mar	0.033104364	5.31299E-06	12.33771992	9.327096939	0.083226383	0.003849463	65.3970871	0.005363421	0.005027664	9.96583E-05	0.001531828	0.00056758	0.631968915	3.4165E-06	0.003555726	0.000480251	0.001649666	0.001899315
2093 Apr	0.033109479	5.31382E-06	12.33971119	9.328598022	0.083239809	0.003850086	65.40766907	0.005364285	0.005028432	9.96737E-05	0.001532076	0.000567671	0.632071078	3.41703E-06	0.003556302	0.000480328	0.001649925	0.001899622
2093 May	0.033151384	5.31936E-06	12.36584854	9.347757339	0.083422936	0.003858647	65.55117798	0.005375441	0.005030716	9.98263E-05	0.001535498	0.000568882	0.633447587	3.42084E-06	0.003564285	0.00048127	0.00165199	0.001903804
2093 Jun	0.033253908	5.33041E-06	12.40188694	9.374097824	0.083712928	0.003870707	65.73006439	0.005390907	0.00502796	0.000100271	0.001540396	0.00057056	0.635396838	3.42256E-06	0.003575652	0.000482892	0.001653751	0.001910342
2093 Jul	0.033319078	5.34125E-06	12.42866421	9.393929482	0.083901204	0.003879286	65.86693573	0.005402475	0.005034019	0.000100484	0.001543837	0.000571794	0.636790872	3.42777E-06	0.00358365	0.000483943	0.001656514	0.001914808
2093 Aug	0.033378355	5.35137E-06	12.45657063	9.414496422	0.084095627	0.003888279	66.01140594	0.005414482	0.005039293	0.000100678	0.001547434	0.000573081	0.63824594	3.43288E-06	0.003592035	0.000484991	0.001659199	0.001919446
2093 Sep	0.033413496	5.3588E-06	12.48128605	9.432331085	0.084267214	0.003896435	66.13814545	0.005425011	0.005040349	0.000100792	0.001550687	0.000574222	0.639546514	3.43594E-06	0.003599665	0.000485846	0.00166093	0.001923736
2093 Oct	0.03342928	5.36403E-06	12.50640488	9.449929237	0.084441155	0.003905077	66.26691437	0.005435583	0.005036291	0.000100811	0.001554101	0.000575381	0.640892088	3.43666E-06	0.00360775	0.000486611	0.001661671	0.001928316
2093 Nov	0.03344693	5.36715E-06	12.5239296	9.462482452	0.084560975	0.003911009	66.36261749	0.00544301	0.005035741	0.000100841	0.001556443	0.000576191	0.641824841	3.43814E-06	0.003613262	0.000487168	0.001662595	0.001931248
2093 Dec	0.033448383	5.36737E-06	12.52501678	9.463276863	0.084568299	0.003911367	66.36868286	0.005443474	0.00503586	0.000100844	0.001556585	0.000576241	0.641881943	3.43831E-06	0.003613594	0.000487204	0.001662682	0.00193142
2094 Jan	0.033448976	5.36746E-06	12.52552032	9.463643074	0.084571689	0.003911533	66.37149811	0.005443688	0.005035901	0.000100846	0.001556651	0.000576265	0.641908526	3.43838E-06	0.003613748	0.00048722	0.00166272	0.0019315
2094 Feb	0.033449255	5.3675E-06	12.52569771	9.463772774	0.084572896	0.003911591	66.3724823	0.005443763	0.005035926	0.000100846	0.001556673	0.000576273	0.641917765	3.43841E-06	0.003613801	0.000487226	0.001662735	0.001931528
2094 Mar	0.033450607	5.36771E-06	12.52621555	9.464164734	0.084576413	0.003911754	66.37524414	0.005443988	0.005036123	0.00010085	0.001556738	0.000576297	0.641944408	3.43855E-06	0.003613952	0.000487246	0.001662801	0.001931608
2094 Apr	0.03345412	5.36828E-06	12.52753353	9.465159416	0.084585316	0.003912166	66.38223267	0.005444561	0.005036649	0.000100861	0.001556902	0.000576357	0.64201194	3.43891E-06	0.003614332	0.000487298	0.001662976	0.001931811
2094 May	0.033510253	5.37612E-06	12.57156849	9.497157097	0.084891692	0.003926753	66.62461853	0.005463268	0.005037941	0.000101058	0.001562712	0.000578397	0.644339979	3.44425E-06	0.003627935	0.000488809	0.001665949	0.001939001
2094 Jun	0.033615723	5.38857E-06	12.61028957	9.525735855	0.085188188	0.0039395	66.82240295	0.005479921	0.005039992	0.000101477	0.001567842	0.000580194	0.646405101	3.44848E-06	0.003639867	0.000490458	0.001668656	0.001945736

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2094 Jul	0.033692591	5.40098E-06	12.64140129	9.548927307	0.0854045	0.003949403	66.9839859	0.005493373	0.005048497	0.000101725	0.001571799	0.000581627	0.648018241	3.45523E-06	0.00364907	0.000491669	0.00167209	0.001950803
2094 Aug	0.033763226	5.41235E-06	12.67154598	9.571409225	0.08561182	0.003958993	67.14284515	0.005506393	0.00505693	0.000101949	0.001575622	0.000583017	0.649579227	3.46194E-06	0.003657971	0.000492816	0.001675449	0.001955634
2094 Sep	0.033793684	5.41933E-06	12.69311523	9.586964607	0.085760921	0.003966105	67.25170898	0.005515577	0.005058027	0.000102046	0.001578449	0.00058401	0.650712192	3.46467E-06	0.003664621	0.000493554	0.001676955	0.001959449
2094 Oct	0.033817843	5.42539E-06	12.72361279	9.608682632	0.085969783	0.003976385	67.41299438	0.005528454	0.005056167	0.000102108	0.001582519	0.000585419	0.652330339	3.46712E-06	0.003674224	0.000494512	0.00167846	0.00196477
2094 Nov	0.033839654	5.43021E-06	12.75486183	9.630969048	0.086181827	0.003986956	67.58352661	0.005541641	0.005054331	0.000102147	0.001586695	0.000586863	0.653991044	3.46965E-06	0.003684071	0.00049547	0.001679996	0.001970066
2094 Dec	0.033841699	5.43066E-06	12.75791264	9.633152962	0.086202286	0.003987981	67.60035706	0.005542929	0.005054253	0.00010215	0.0015871	0.000587004	0.654152572	3.46995E-06	0.003685026	0.000495563	0.001680166	0.001970573
2095 Jan	0.033842463	5.4308E-06	12.75876236	9.633768082	0.086207956	0.003988263	67.60512543	0.00554329	0.005054302	0.000102152	0.001587212	0.000587043	0.654197216	3.47007E-06	0.003685287	0.00049559	0.001680227	0.001970709
2095 Feb	0.033842854	5.43086E-06	12.75909805	9.634013176	0.086210214	0.003988373	67.606987	0.005543432	0.005054333	0.000102153	0.001587255	0.000587059	0.654214799	3.47012E-06	0.003685389	0.000495601	0.001680254	0.001970763
2095 Mar	0.033843808	5.43101E-06	12.7595768	9.634368896	0.086213447	0.003988526	67.60958862	0.005543638	0.005054458	0.000102156	0.001587316	0.000587081	0.654239655	3.47023E-06	0.003685531	0.000495618	0.001680305	0.001970838
2095 Apr	0.033848293	5.43173E-06	12.76127815	9.635653496	0.086224943	0.003989058	67.61860657	0.005544377	0.005055124	0.00010217	0.001587528	0.000587159	0.654326916	3.47069E-06	0.003686023	0.000495684	0.001680528	0.0019711
2095 May	0.033885848	5.43602E-06	12.77292252	9.644333839	0.086315714	0.003992868	67.6772995	0.005549409	0.005056325	0.000102317	0.001589058	0.000587699	0.654947579	3.47213E-06	0.003689581	0.000496204	0.001681415	0.001973135
2095 Jun	0.033975851	5.44647E-06	12.80254364	9.666401863	0.086541981	0.004002539	67.82936859	0.005562206	0.005059983	0.000102657	0.001592941	0.000589073	0.65652144	3.47616E-06	0.0036986	0.000497492	0.001683817	0.001978202
2095 Jul	0.03405166	5.45891E-06	12.83484077	9.690449715	0.086764641	0.004012829	67.99816895	0.005557615	0.005068708	0.000102898	0.001597044	0.000590561	0.658195019	3.48318E-06	0.003708157	0.00049872	0.001687348	0.001983442
2095 Aug	0.034099218	5.46929E-06	12.86754131	9.714051247	0.086991578	0.0040236	68.16425323	0.005590081	0.00507025	0.000103054	0.001601332	0.000592069	0.659913778	3.48731E-06	0.003718238	0.000499837	0.001689629	0.001989212
2095 Sep	0.034139708	5.4776E-06	12.89891148	9.736740112	0.087206729	0.004033956	68.32976532	0.005603435	0.005071873	0.000103178	0.001605444	0.000593518	0.661563754	3.49141E-06	0.003727898	0.000500881	0.001691854	0.001994556
2095 Oct	0.034158409	5.48195E-06	12.92005062	9.751952171	0.087349236	0.004040964	68.44377136	0.00561239	0.005072314	0.000103232	0.001608224	0.000594494	0.662675798	3.49401E-06	0.003734438	0.000501549	0.001693252	0.001998115
2095 Nov	0.034170095	5.48487E-06	12.93848515	9.765117645	0.08747334	0.004047164	68.54454803	0.005620171	0.005071552	0.000103256	0.001610675	0.000595346	0.663652062	3.49574E-06	0.003740218	0.000502106	0.001694239	0.002001234
2095 Dec	0.034173276	5.48551E-06	12.94259167	9.768070221	0.0875009	0.004048536	68.56733704	0.005621908	0.005071564	0.000103263	0.001611218	0.000595536	0.663868964	3.49621E-06	0.003741494	0.000502233	0.001694493	0.002001911
2096 Jan	0.034173854	5.48561E-06	12.94318771	9.768503189	0.087504886	0.004048732	68.57066345	0.005622161	0.005071602	0.000103265	0.001611296	0.000595564	0.663900197	3.49629E-06	0.003741677	0.000502252	0.001694537	0.002002006
2096 Feb	0.034174524	5.48571E-06	12.94360447	9.768809319	0.087507702	0.004048867	68.57295227	0.005622339	0.005071675	0.000103267	0.00161135	0.000595583	0.663921952	3.49637E-06	0.003741802	0.000502267	0.001694576	0.002002072
2096 Mar	0.034175586	5.48588E-06	12.94417	9.769229889	0.087511532	0.004049049	68.57603455	0.005622583	0.00507181	0.00010327	0.001611422	0.000595609	0.663951337	3.49649E-06	0.003741971	0.000502287	0.001694635	0.002002161
2096 Apr	0.034179859	5.48657E-06	12.94582462	9.770476341	0.087522715	0.004049567	68.58482361	0.0056233	0.005072438	0.000103283	0.001611628	0.000595685	0.664036274	3.49693E-06	0.00374245	0.000502351	0.001694848	0.002002418
2096 May	0.034241233	5.49734E-06	13.02423191	9.827151299	0.088051215	0.00407552	69.02458191	0.005656471	0.005074049	0.000103494	0.001621953	0.000599316	0.668165028	3.50693E-06	0.003766663	0.000504841	0.001700158	0.002015115
2096 Jun	0.03433051	5.50956E-06	13.07257843	9.861783028	0.088420026	0.004091861	69.26927185	0.005677051	0.005067519	0.000103871	0.001628579	0.000601562	0.670771956	3.50856E-06	0.003782085	0.000506775	0.001702169	0.002024102
2096 Jul	0.034391224	5.52136E-06	13.09810162	9.880503654	0.08859916	0.004100073	69.39454651	0.005688083	0.005072642	0.000104057	0.001631888	0.000602736	0.672100902	3.51316E-06	0.003789767	0.000507784	0.001704734	0.00202859
2096 Aug	0.034450885	5.53165E-06	13.12359715	9.899453163	0.088773943	0.00410819	69.52719116	0.005699108	0.005079728	0.000104238	0.001635132	0.000603911	0.673420548	3.51877E-06	0.003797308	0.000508758	0.001707599	0.002032753
2096 Sep	0.034481261	5.5395E-06	13.14855766	9.917266846	0.088945732	0.00411651	69.65353394	0.00570973	0.005079728	0.000104314	0.001638454	0.000605061	0.674737811	3.52131E-06	0.003805099	0.0005096	0.00170918	0.002037275
2096 Oct	0.034509376	5.54615E-06	13.18104744	9.940320015	0.089167841	0.004127561	69.82691956	0.005723485	0.005077414	0.000104349	0.001642834	0.000606562	0.676469505	3.52349E-06	0.0038154	0.000510628	0.001710729	0.002043026
2096 Nov	0.034521557	5.54835E-06	13.19206715	9.948257446	0.089242101	0.00413126	69.88761902	0.00572817	0.005077736	0.000104367	0.001644294	0.000607072	0.677052975	3.52471E-06	0.00381883	0.000510981	0.001711439	0.00204487
2096 Dec	0.034522239	5.54847E-06	13.19265556	9.948685646	0.089246027	0.004131454	69.89090729	0.00572842	0.00507779	0.000104368	0.001644371	0.000607099	0.67708391	3.5248E-06	0.00381901	0.000511	0.001711484	0.002044965
2097 Jan	0.03452279	5.54856E-06	13.193223	9.94909668	0.08924982	0.004131643	69.89411163	0.005728662	0.005077819	0.000104369	0.001644446	0.000607125	0.677113831	3.52487E-06	0.003819186	0.000511018	0.001711524	0.002045057
2097 Feb	0.034523156	5.54862E-06	13.19358921	9.949361801	0.089252278	0.004131765	69.8961792	0.005728817	0.005077837	0.00010437	0.001644494	0.000607142	0.677133143	3.52492E-06	0.003819299	0.00051103	0.00171155	0.002045116
2097 Mar	0.03452405	5.54876E-06	13.19398212	9.949654579	0.089254938	0.004131889	69.89828491	0.005728986	0.005077959	0.000104372	0.001644544	0.00060716	0.677153409	3.52501E-06	0.003819414	0.000511045	0.001711596	0.002045178
2097 Apr	0.03452957	5.54965E-06	13.19608784	9.951243401	0.089269184	0.004132549	69.90943909	0.005729901	0.005078769	0.000104389	0.001644806	0.000607257	0.677261472	3.52558E-06	0.003820024	0.000511126	0.001711869	0.002045504
2097 May	0.034560312	5.55364E-06	13.20585823	9.958602905	0.089340657	0.00413567	69.96020508	0.005734146	0.005081429	0.000104495	0.001646055	0.000607709	0.677772641	3.52757E-06	0.003822919	0.000511543	0.001712922	0.002047107
2097 Jun	0.034641583	5.56289E-06	13.22626209	9.973759651	0.089509398	0.004142444	70.05723572	0.005743021	0.005082192	0.000104803	0.001648801	0.000608657	0.678875864	3.52907E-06	0.003829267	0.000512553	0.001714235	0.002050969
2097 Jul	0.03471493	5.57457E-06	13.25443268	9.994778633	0.089705572	0.004151419	70.20340729	0.005755226	0.005090226	0.000105029	0.001652387	0.000609955	0.680337548	3.5352E-06	0.003837597	0.000513662	0.001717392	0.002055582
2097 Aug	0.034766234	5.58392E-06	13.27657509	10.01114082	0.08985889	0.00415852	70.31562042	0.005764781	0.005095416	0.000105186	0.001655218	0.000610974	0.68148756	3.5396E-06	0.003844205	0.000514497	0.001719665	0.002059342
2097 Sep	0.034799192	5.59042E-06	13.29428482	10.02408695	0.089980975	0.004164276	70.40605164	0.005772379	0.005098109	0.000105285	0.001657509	0.000611789	0.682412267	3.54256E-06	0.003849569	0.000515134	0.00172123	0.002062401
2097 Oct	0.034817696	5.59439E-06	13.30985928	10.03523445	0.090088777	0.004169506	70.48733521	0.00577899	0.005097781	0.000105332	0.001659583	0.000612508	0.683238268	3.54397E-06	0.003854449	0.000515648	0.001722102	0.002065183
2097 Nov	0.034826376	5.59625E-06	13.31885338	10.04165745	0.090150476	0.004172542	70.53538513	0.005782798	0.005097398	0.00010535	0.001660785	0.000612924	0.683716178	3.54472E-06	0.003857279	0.000515935	0.00172257	0.002066769
2097 Dec	0.03482724	5.59652E-06	13.32018471	10.04259872	0.090159535	0.004172994	70.54238892	0.00578336	0.005097273	0.000105351	0.001660964	0.000612985	0.683786988	3.5448E-06	0.003857702	0.000515976	0.001722627	0.00206701
2098 Jan	0.034827903	5.59661E-06	13.32066441	10.04294872	0.090162814	0.004173152	70.54507446	0.005783564	0.005097313	0.000105353	0.001661026	0.000613008	0.683812261	3.54487E-06	0.003857849	0.000515992	0.001722663	0.002067087
2098 Feb	0.034828436	5.59668E-06	13.32102013	10.04320908	0.090165265	0.004173269	70.54706573	0.005783716	0.005097347	0.000105354	0.001661073	0.000613024	0.683830976	3.54492E-06	0.003857957	0.000516004	0.001722692	0.002067145
2098 Mar	0.034829158	5.59679E-06	13.32137299	10.04347134	0.090167679	0.004173383	70.54898071	0.005783868	0.005097432	0.000105357	0.001661118	0.00061304	0.683849335	3.545E-06	0.003858062	0.000516017	0.001722728	0.002067201
2098 Apr	0.034833577	5.59738E-06	13.32281017	10.04456139	0.090177953	0.004173835	70.55653381	0.005784492	0.005097919	0.000105369	0.001661298	0.000613106	0.683923841	3.54534E-06	0.003858482	0.000516077	0.0017229	0.002067429
2098 May	0.034899827	5.60261E-06	13.33535004	10.05424213	0.09028805	0.004177919	70.62015533	0.005790005	0.00509986	0.000105623	0.001662957	0.000613692	0.684604704	3.54679E-06	0.003862284	0.000516779	0.001723929	0.002069617
2098 Jun	0.035012957	5.6116E-06	13.34505844	10.06174469	0.09042076	0.004181383	70.64531708	0.005794402	0.00509481	0.000106127	0.001664442	0.000614154	0.685195148	3.54374E-06	0.003865639	0.000517733	0.001723439	0.002072381
2098 Jul	0.035091013	5.62338E-06	13.37088203	10.0811882	0.090603411	0.004189533	70.77796173	0.005805642	0.005103498	0.000106376	0.001667705	0.000615344	0.686532199	3.54985E-06	0.003873199	0.000518804	0.001726563	0.002076588
2098 Aug	0.035159189	5.63407E-06	13.39533043	10.09922886	0.090783983	0.004197482	70.89830017	0.005816211	0.005107057	0.000106609	0.001670891	0.000616473	0.687820613	3.5535E-06	0.003880621	0.000519807	0.001728667	0.00208098
2098 Sep	0.03519718	5.64128E-06	13.41530228	10.11345005	0.090932608	0.004204301	70.99435425	0.00582473	0.005104879	0.00010672	0.001673596	0.000617395	0.688895643	3.55417E-06	0.003886998	0.000520535	0.001729406	0.002084922
2098 Oct	0.035222221	5.64625E-06	13.43636227	10.12838173	0.091081075	0.004211564	71.10391235	0.005833652	0.0051025	0.000106756	0.001676447	0.000618368	0.690028369	3.55493E-06	0.003893745	0.000521211	0.001730118	0.002088854
2098 Nov	0.035239194	5.64944E-06	13.45509338	10.14180088	0.091208547	0.004217902	71.20682526	0.00584158	0.005101884	0.000106783	0.001678945	0.000619234	0.691024661	3.55656E-06	0.00389963	0.000521794	0.001731099	0.002092089
2098 Dec	0.035243601	5.65013E-06	13.45961094	10.14507389	0.091238968	0.004219404	71.23231506	0.005843497	0.005102065	0.000106794	0.00167954	0.000619443	0.69126308	3.55713E-06	0.003901026	0.000521938	0.001731407	0.002092828
2099 Jan	0.035244115	5.65021E-06	13.46008873	10.14542103	0.091242164	0.004219562	71.23498535	0.0058437	0.005102102	0.000106795	0.001679602	0.000619465	0.691288173	3.5572E-06	0.003901172	0.000521954	0.001731443	0.002092906
2099 Feb	0.035244614	5.65029E-06	13.46052361	10.14573765	0.091245092	0.004219705	71.2374115	0.005843884	0.005102142	0.000106796	0.001679659	0.000619486	0.691310942	3.55726E-06	0.003901305	0.000521968	0.001731477	0.002092977
2099 Mar	0.035246629	5.65062E-06	13.46141052	10.14640141	0.091251105	0.004219987	71.24217224	0.005844268	0.005102417	0.000106802	0.001679771	0.000619526	0.691356778	3.55747E-06	0.003901565	0.000522001	0.001731581	0.002093116
2099 Apr	0.035256889	5.65207E-06	13.46494675	10.14907455	0.091276005	0.0042211	71.26074982	0.005845803	0.005103624	0.000106832	0.001680214	0.000619689	0.691539645	3.55834E-06	0.003902596	0.000522145	0.001732005	0.002093677
2099 May	0.035377931	5.65941E-06	13.48396683	10.16396332	0.091462143	0.004227397	71.35442352	0.005854161	0.005104062	0.000107241	0.001682767	0.000620572	0.692598164	3.55915E-06	0.003908475	0.000523335	0.00173297	0.002097227
2099 Jun	0.035462473	5.66783E-06	13.49945259	10.17564583	0.091606982	0.004232555	71.42081451	0.00586093	0.005103331	0.000107562	0.001684871	0.000621289	0.693451405	3.55944E-06	0.003913344	0.000524241	0.001733648	0.002100473
2099 Jul	0.035539657	5.67936E-06	13.52660656	10.19599247	0.091800399	0.004241191	71.56041718	0.005872705	0.005110999	0.000107805	0.001688324	0.00062254	0.6948632	3.56527E-06	0.003921366	0.000525348	0.001736656	0.002104973
2099 Aug	0.035612546	5.69171E-06	13.55714321	10.21862984	0.092015028	0.004250987	71.71607971	0.005885878	0.0051178	0.000108031	0.001692228	0.000623946	0.696452975	3.57122E-06	0.003930482	0.00052652	0.001739715	0.002110169
2099 Sep	0.035648003	5.69843E-06	13.57937813	10.234622	0.092175364	0.004258438	71.82827759	0.00589534	0.005116997	0.000108132	0.001695185	0.000624972	0.697636366	3.57304E-06	0.003937447	0.000527302	0.001740885	0.002114316
2099 Oct	0.035668585	5.70273E-06	13.59865475	10.24836731	0.092310295	0.004264984	71.92925262	0.005903496	0.005115495	0.00010817	0.001697766	0.000625861	0.698665202	3.57429E-06	0.003943548	0.000527922	0.00174172	0.002117859
2099 Nov	0.035679244	5.70487E-06	13.61110306	10.25723553	0.092396483	0.004269229	71.99637604	0.005908752	0.005114364	0.000108185	0.001699438	0.000626436	0.699330568	3.57505E-06	0.003947497	0.00052831	0.001742233	0.002120099
2099 Dec	0.035681512	5.70519E-06	13.61301422	10.25862694	0.092409462	0.004269861	72.00711823	0.005909565	0.005114489	0.000108191	0.001699689	0.000626525	0.69943136	3.57531E-06	0.003948085	0.000528373	0.001742372	0.002120412
2100 Jan	0.035681937	5.70526E-06	13.61340618	10.25891209	0.092412122	0.004269991	72.00932312	0.005909732	0.00511451	0.000108192	0.00169974	0.000626543	0.699451923	3.57536E-06	0.003948205	0.000528386	0.0017424	0.002120476
2100 Feb	0.035682309	5.70531E-06	13.61372471	10.25914383	0.092414297	0.004270097	72.01112366	0.005909867	0.00511453	0.000108193	0.001699782	0.000626558	0.699468791	3.5754E-06	0.003948303	0.000528396	0.001742423	0.002120528
2100 Mar	0.035682894	5.7054E-06	13.61406231	10.25939274	0.092416577	0.004270206	72.01296997	0.005910011	0.005114593	0.000108194	0.001699826	0.000626573	0.699486375	3.57547E-06	0.003948404	0.000528408	0.001742455	0.002120582
2100 Apr	0.035698637	5.70781E-06	13.62769032	10.26932144	0.092508957	0.004274697	72.08929443	0.005915805	0.005115608	0.000108239	0.001701609	0.000627203	0.700203061	3.57743E-06	0.00395258	0.000528859	0.001743485	0.002122809
2100 May	0.035773944	5.71533E-06	13.66215038	10.29478645	0.092762277	0.004286059	72.27865601	0.005930567	0.005117989	0.000108514	0.00170615	0.000628804	0.702035964	3.58175E-06	0.003963156	0.000530205	0.001745993	0.002128582
2100 Jun	0.035875615	5.7237E-06	13.67610741	10.30527592	0.092916228	0.00429091	72.33146667	0.005936712	0.00511317	0.000108972	0.001708179	0.000629462	0.702842176	3.57961E-06	0.003967799	0.000531219	0.001745866	0.00213202
2100 Jul	0.0359363	5.73354E-06	13.69707775	10.32071686	0.093072385	0.0042977714	72.43239594	0.005945788	0.005116174	0.000109182	0.001710927	0.000630429	0.703946888	3.58267E-06	0.003974176	0.000532115	0.001747712	0.002135892
2100 Aug	0.035984728	5.74283E-06	13.72023296	10.33747578	0.093240052	0.004305359	72.54537964	0.00595572	0.005117177	0.000109341	0.001713986	0.000631498	0.705171287	3.58525E-06	0.003981339	0.000532987	0.001749312	0.002140251
2100 Sep	0.036021572	5.74964E-06	13.74100399	10.35251427	0.09338747	0.004312249	72.65184021	0.005964607	0.005118	0.000109451	0.001716729	0.000632458	0.706270456	3.58762E-06	0.003987768	0.000533728	0.001750727	0.002144013
2100 Oct	0.0360431	5.75365E-06	13.75683498	10.36396122	0.093497135	0.004317504	72.73609161	0.005971349	0.005118532	0.000109513	0.001718818	0.000633189	0.707106531	3.58949E-06	0.003992666	0.000534266	0.001751796	0.00214679
2100 Nov	0.036053982	5.7554E-06	13.76602936	10.37063217	0.0935601	0.004320548	72.78700256	0.005975259	0.005118931	0.000109545	0.001720029	0.000633615	0.707591712	3.59067E-06	0.003995501	0.000534572	0.001752446	0.002148336
2100 Dec	0.03605634	5.75576E-06	13.76788521	10.37198639	0.093572743	0.004321159	72.79738617	0.00597605	0.005119086	0.000109552	0.001720272	0.000633701	0.707689404	3.59094E-06	0.00399607	0.000534634	0.001752591	0.002148641
2101 Jan	0.036056839	5.75583E-06	13.76827145	10.37226868	0.093575373	0.004321286	72.79953766	0.005976214	0.005119123	0.000109554	0.001720323	0.000633719	0.70770961	3.591E-06	0.003996187	0.000534647	0.001752622	0.002148704
2101 Feb	0.036057226	5.75589E-06	13.7686367	10.37253475	0.093577862	0.004321406	72.8015976	0.005976369	0.005119141	0.000109555	0.001720371	0.000633736	0.707728863	3.59105E-06	0.0039963	0.000534659	0.001752649	0.002148765
2101 Mar	0.036057677	5.75596E-06	13.76889324	10.37272453	0.093579605	0.004321489	72.8030014	0.00597648	0.00511919	0.000109556	0.001720404	0.000633748	0.707742214	3.5911E-06	0.003996376	0.000534669	0.001752673	0.002148806
2101 Apr	0.036061719	5.75661E-06	13.77058792	10.37399387	0.093591131	0.004322025	72.81202698	0.005977212	0.005119734	0.000109569	0.001720617	0.000633826	0.707829654	3.59151E-06	0.003996873	0.000534733	0.001752874	0.002149073
2101 May	0.036119621	5.76143E-06	13.7839632	10.38419724	0.093702249	0.004326379	72.88208008	0.005983054	0.005121675	0.000109799	0.001722381	0.00063445	0.708549917	3.59323E-06	0.004000929	0.000535413	0.001753998	0.002151388

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2101 Jun	0.036210403	5.76986E-06	13.80169582	10.39746094	0.093867056	0.004332345	72.96213531	0.005990798	0.005119811	0.00011019	0.001724835	0.000635281	0.70953238	3.59316E-06	0.004006569	0.000536437	0.001754693	0.002155118
2101 Jul	0.036283486	5.7811E-06	13.82884121	10.41777802	0.094057843	0.004340969	73.10308838	0.006002564	0.005127683	0.000110427	0.001728285	0.000636532	0.710940897	3.59915E-06	0.004014578	0.000537526	0.00175777	0.002159578
2101 Aug	0.036346972	5.79179E-06	13.85524273	10.4374218	0.094241217	0.004349383	73.23937225	0.00601397	0.005134623	0.000110632	0.001731644	0.000637749	0.712309957	3.60479E-06	0.0040224	0.000538543	0.001760633	0.002163976
2101 Sep	0.036380358	5.79881E-06	13.87581253	10.45223141	0.094387531	0.004356219	73.34213257	0.006022744	0.00513478	0.000110741	0.001734366	0.000638698	0.713398397	3.60689E-06	0.004028796	0.000539273	0.001761915	0.002167843
2101 Oct	0.036401093	5.80267E-06	13.89093208	10.46313286	0.094493225	0.004361272	73.42185211	0.006029177	0.005134845	0.000110801	0.00173637	0.000639397	0.714199841	3.60843E-06	0.004033505	0.000539788	0.001762834	0.002170568
2101 Nov	0.036409017	5.80453E-06	13.90082932	10.47010326	0.094562739	0.004364695	73.47390747	0.006033347	0.0051332	0.000110812	0.001737718	0.000639855	0.714732945	3.60865E-06	0.004036696	0.000540095	0.001763097	0.002172471
2101 Dec	0.036411643	5.80493E-06	13.90293789	10.47162628	0.094577216	0.004365409	73.4855957	0.006034243	0.005133209	0.000110817	0.001737999	0.000639952	0.71484524	3.60885E-06	0.004037356	0.000540163	0.001763218	0.002172838
2102 Jan	0.036412165	5.805E-06	13.9033699	10.47194004	0.094580166	0.004365552	73.48803711	0.006034427	0.005133233	0.000110818	0.001738056	0.000639972	0.714868009	3.6089E-06	0.004037489	0.000540177	0.001763248	0.00217291
2102 Feb	0.036412723	5.80507E-06	13.90376472	10.47222996	0.094582871	0.004365682	73.49024963	0.006034595	0.005133269	0.000110819	0.001738107	0.000639991	0.714888871	3.60896E-06	0.00403761	0.000540191	0.001763279	0.002172975
2102 Mar	0.036413502	5.80519E-06	13.90416813	10.47252846	0.094585627	0.004365813	73.49245453	0.006034769	0.005133355	0.000110822	0.001738159	0.000640009	0.714909852	3.60904E-06	0.004037731	0.000540205	0.001763319	0.00217304
2102 Apr	0.03641646	5.80566E-06	13.90531254	10.47339058	0.094593421	0.004366172	73.49851227	0.006035266	0.005133766	0.000110831	0.001738303	0.000640062	0.714968801	3.60933E-06	0.004038064	0.00054025	0.001763462	0.002173219
2102 May	0.036435176	5.80868E-06	13.91662598	10.48172665	0.094670035	0.004369835	73.5605011	0.00604011	0.00513581	0.000110887	0.001739759	0.000640584	0.715558648	3.61144E-06	0.004041465	0.000540646	0.00176453	0.002175055
2102 Jun	0.036460605	5.81708E-06	13.94105339	10.49856186	0.094841339	0.004378263	73.68125916	0.006050538	0.005131633	0.000110888	0.001743211	0.000641713	0.716872513	3.61162E-06	0.004049429	0.000541531	0.001765604	0.002180075
2102 Jul	0.036498833	5.82736E-06	13.95905018	10.51131248	0.094965957	0.004384211	73.76344299	0.006058339	0.005133246	0.000110951	0.001745644	0.000642538	0.717817843	3.61369E-06	0.004055032	0.000542242	0.001767179	0.002183674
2102 Aug	0.036539815	5.83685E-06	13.97827625	10.52536201	0.095094904	0.004390381	73.85806274	0.006066657	0.005138007	0.000111046	0.001748115	0.00064342	0.718811631	3.61758E-06	0.004060782	0.000542949	0.001769264	0.002187073
2102 Sep	0.03655646	5.84235E-06	13.98811245	10.53237438	0.095159821	0.004393601	73.90323639	0.006070896	0.005139504	0.000111067	0.001749399	0.00064387	0.719322026	3.61912E-06	0.00406379	0.000543286	0.001770158	0.002188981
2102 Oct	0.036551256	5.84509E-06	13.99303341	10.53533268	0.095191345	0.004395514	73.92169952	0.006072953	0.005136136	0.000110985	0.001750155	0.000644093	0.719596207	3.61782E-06	0.004065592	0.000543387	0.001769846	0.002190391
2102 Nov	0.036558516	5.84626E-06	13.99741173	10.53851032	0.095221035	0.004396972	73.94591522	0.006074833	0.005136595	0.000110996	0.001750736	0.000644296	0.719827652	3.6184E-06	0.004066942	0.000543539	0.001770201	0.002191135
2102 Dec	0.036559939	5.84651E-06	13.99845314	10.53926754	0.09522792	0.004397316	73.95176697	0.006075279	0.005136725	0.000110998	0.001750873	0.000644344	0.719882429	3.61856E-06	0.004067261	0.000543574	0.001770291	0.002191308
2103 Jan	0.036560215	5.84655E-06	13.99860382	10.53937721	0.09522894	0.004397366	73.95259857	0.006075345	0.005136753	0.000110999	0.001750893	0.000644351	0.719890296	3.61859E-06	0.004067307	0.00054358	0.001770305	0.002191332
2103 Feb	0.036560617	5.84661E-06	13.99875069	10.53948784	0.095229954	0.004397412	73.9533844	0.006075408	0.005136804	0.000111	0.001750911	0.000644358	0.719897926	3.61862E-06	0.00406735	0.000543585	0.001770323	0.002191355
2103 Mar	0.03656143	5.84674E-06	13.999053	10.53971672	0.095232025	0.004397507	73.95497894	0.00607554	0.005136916	0.000111002	0.001750949	0.000644372	0.719913483	3.6187E-06	0.004067438	0.000543597	0.001770362	0.002191403
2103 Apr	0.036565509	5.84739E-06	14.00061226	10.54089069	0.095242642	0.004397997	73.96321869	0.006076217	0.005137489	0.000111015	0.001751144	0.000644443	0.719993651	3.6191E-06	0.004067891	0.000543658	0.001770559	0.002191647
2103 May	0.036638372	5.85735E-06	14.05242634	10.57858467	0.09560135	0.004415166	74.25319672	0.006098323	0.005140245	0.000111224	0.001758015	0.000646846	0.722734869	3.62567E-06	0.00408388	0.000545476	0.001774394	0.002200425
2103 Jun	0.036729828	5.86536E-06	14.06733894	10.58960438	0.095754988	0.004420348	74.31453705	0.006104865	0.005135429	0.000111627	0.001760192	0.000647549	0.723587096	3.62374E-06	0.004088837	0.000546473	0.001774445	0.002204076
2103 Jul	0.036792073	5.87617E-06	14.08909035	10.60562229	0.095913574	0.004427366	74.41916656	0.006114295	0.005139444	0.000111831	0.001763025	0.000648551	0.724726915	3.62733E-06	0.004095409	0.000547382	0.001776527	0.002208097
2103 Aug	0.036855303	5.88684E-06	14.11352444	10.62347221	0.096090607	0.004435357	74.5401535	0.006124849	0.005142332	0.000112025	0.00176624	0.000649679	0.726015747	3.63067E-06	0.00410289	0.000548338	0.001778542	0.002212651
2103 Sep	0.036887698	5.89355E-06	14.13289452	10.63733101	0.096227676	0.004441866	74.63748932	0.006133122	0.005142036	0.000112105	0.001768831	0.000650573	0.727045953	3.63228E-06	0.004108974	0.000549009	0.00177964	0.002216388
2103 Oct	0.036900889	5.89741E-06	14.1476469	10.64757061	0.096330628	0.004447061	74.71229553	0.006139352	0.005138952	0.000112095	0.001770868	0.000651254	0.72784555	3.63208E-06	0.004113809	0.000549446	0.001779863	0.002219463
2103 Nov	0.036907546	5.8989E-06	14.15408993	10.65213013	0.096374482	0.004449286	74.74667358	0.006142082	0.005138439	0.000112094	0.001771739	0.000651551	0.728191078	3.63239E-06	0.004115869	0.000549639	0.001780112	0.002220694
2103 Dec	0.036908913	5.89911E-06	14.15515232	10.65290451	0.09638162	0.004449639	74.75265503	0.006142536	0.005138534	0.000112096	0.001771878	0.0006516	0.728247106	3.63254E-06	0.004116196	0.000549674	0.001780192	0.002220872
2104 Jan	0.036909319	5.89917E-06	14.15547562	10.65313911	0.096383795	0.004449747	74.75448608	0.006142674	0.005138557	0.000112097	0.00177192	0.000651615	0.728264153	3.63258E-06	0.004116295	0.000549684	0.001780215	0.002220927
2104 Feb	0.036909517	5.8992E-06	14.1555481	10.65319347	0.096384302	0.004449769	74.75487518	0.006142704	0.005138578	0.000112098	0.00177193	0.000651618	0.728267908	3.6326E-06	0.004116316	0.000549687	0.001780223	0.002220938
2104 Mar	0.036910396	5.89933E-06	14.15587521	10.65343952	0.096386544	0.004449872	74.75659943	0.006142847	0.005138697	0.0001121	0.001771971	0.000651633	0.728284776	3.63268E-06	0.004116411	0.0005497	0.001780264	0.002220989
2104 Apr	0.036918402	5.90059E-06	14.15991592	10.65643501	0.096413985	0.004451173	74.77859497	0.006144585	0.00513963	0.000112123	0.001772488	0.00065182	0.728495002	3.6335E-06	0.004117617	0.000549846	0.001780678	0.002221643
2104 May	0.036990594	5.90697E-06	14.17988873	10.67148209	0.096572086	0.004457738	74.88551331	0.006153258	0.005142107	0.00011239	0.001775127	0.00065275	0.729567349	3.63597E-06	0.004123715	0.000550769	0.001782261	0.002225142
2104 Jun	0.037055247	5.91336E-06	14.18275166	10.67364788	0.096633621	0.004458905	74.87780762	0.006154627	0.005137616	0.000112686	0.001775659	0.000652889	0.729770064	3.63306E-06	0.004124905	0.000551246	0.001781504	0.002226768
2104 Jul	0.037121885	5.92411E-06	14.20504475	10.69026089	0.096794121	0.004466024	74.98829651	0.006164311	0.005143444	0.000112902	0.001778515	0.000653916	0.730931759	3.63751E-06	0.004131535	0.000552173	0.001783895	0.002230681
2104 Aug	0.037176721	5.93384E-06	14.22694206	10.70640469	0.096949644	0.00447309	75.09705353	0.006173767	0.005147698	0.000113077	0.001781337	0.000654925	0.732075632	3.64138E-06	0.004138123	0.000553023	0.001785974	0.002234614
2104 Sep	0.037204448	5.93982E-06	14.2426424	10.71761703	0.097062983	0.004478388	75.17350006	0.006180472	0.005146985	0.000113155	0.001783439	0.00065565	0.732913136	3.64245E-06	0.004143075	0.000553576	0.001786761	0.002237773
2104 Oct	0.037225742	5.94383E-06	14.25906849	10.72923	0.097179495	0.004484056	75.25952148	0.006187442	0.005145106	0.000113189	0.00178567	0.00065641	0.733798146	3.643E-06	0.004148341	0.00055411	0.001787323	0.002241009
2104 Nov	0.037241463	5.94615E-06	14.27149296	10.73824024	0.097265251	0.004488253	75.32859802	0.006192725	0.005145058	0.00011322	0.001787326	0.000656985	0.734460354	3.64416E-06	0.004152231	0.000554517	0.001788033	0.002243222
2104 Dec	0.037245408	5.94674E-06	14.27524662	10.74096394	0.097290613	0.004489501	75.34986877	0.006194319	0.005145222	0.00011323	0.001787821	0.000657159	0.734658599	3.64464E-06	0.00415339	0.000554637	0.001788292	0.002243858
2105 Jan	0.037245795	5.9468E-06	14.27565002	10.74125481	0.097293325	0.004489635	75.35214996	0.00619449	0.005145237	0.000113231	0.001787874	0.000657178	0.734679878	3.64469E-06	0.004153514	0.00055465	0.00178832	0.002243927
2105 Feb	0.03724613	5.94685E-06	14.27588272	10.74142647	0.097294912	0.004489712	75.35345459	0.006194589	0.005145265	0.000113231	0.001787904	0.000657188	0.734692156	3.64472E-06	0.004153586	0.000554658	0.001788339	0.002243966
2105 Mar	0.037246462	5.9469E-06	14.27600861	10.74152184	0.097295783	0.004489752	75.35411835	0.006194644	0.005145307	0.000113232	0.00178792	0.000657194	0.734698653	3.64475E-06	0.004153623	0.000554663	0.001788354	0.002243986
2105 Apr	0.037250951	5.94761E-06	14.27845764	10.74333191	0.097312406	0.004490542	75.36748505	0.006195695	0.005145816	0.000113246	0.001788234	0.000657307	0.734826207	3.64523E-06	0.004154355	0.00055475	0.001788596	0.002244385
2105 May	0.037304725	5.9529E-06	14.2950058	10.75571728	0.097441778	0.004495976	75.45474243	0.006202851	0.005147463	0.000113453	0.001790419	0.000658077	0.735711813	3.64724E-06	0.004159417	0.000555491	0.001789858	0.002247348
2105 Jun	0.037375312	5.96077E-06	14.31198215	10.76841354	0.097584441	0.00450157	75.53507233	0.006210235	0.00514826	0.00011374	0.001792688	0.000658867	0.73662889	3.64863E-06	0.004164668	0.000556348	0.001790974	0.002250748
2105 Jul	0.037441276	5.97192E-06	14.33888435	10.78832626	0.097774334	0.004510211	75.6716156	0.006221846	0.005154045	0.000113957	0.001796142	0.000660107	0.738031149	3.65372E-06	0.00417272	0.000557393	0.001793643	0.002255448
2105 Aug	0.037496895	5.9826E-06	14.37132931	10.81169987	0.098006316	0.004521008	75.83580017	0.006235691	0.005153995	0.000114139	0.001800448	0.000661606	0.739752054	3.65687E-06	0.004182831	0.000558538	0.001795599	0.002261664
2105 Sep	0.03753018	5.99081E-06	14.40769672	10.83754444	0.098258033	0.004533352	76.0282135	0.006251086	0.005150882	0.000114211	0.001805328	0.000663289	0.741691589	3.65927E-06	0.004194346	0.000559663	0.00179722	0.002268625
2105 Oct	0.037538517	5.99527E-06	14.43222713	10.85481358	0.098421484	0.004541741	76.15959167	0.006261401	0.005148178	0.000114193	0.001808621	0.000664422	0.742997289	3.66073E-06	0.004202157	0.000560346	0.001798162	0.002273329
2105 Nov	0.037546918	5.9978E-06	14.44957447	10.86716652	0.098536633	0.004547619	76.25603485	0.006268715	0.005147273	0.000114192	0.001810933	0.000665223	0.743917882	3.66223E-06	0.004207619	0.000560845	0.001799027	0.002276471
2105 Dec	0.037547991	5.99803E-06	14.45119286	10.86833286	0.098547317	0.004548158	76.26519775	0.006269399	0.005147317	0.000114194	0.001811146	0.000665298	0.744003117	3.66243E-06	0.00420812	0.000560894	0.001799135	0.002276747
2106 Jan	0.037548199	5.99807E-06	14.45148659	10.86854553	0.098549269	0.004548256	76.26686859	0.006269523	0.005147328	0.000114194	0.001811185	0.000665312	0.744018614	3.66247E-06	0.00420821	0.000560903	0.001799155	0.002276798
2106 Feb	0.037548326	5.99809E-06	14.45156193	10.86860085	0.098549783	0.00454828	76.26728058	0.006269556	0.005147338	0.000114195	0.001811195	0.000665315	0.744022489	3.66248E-06	0.004208233	0.000560906	0.001799161	0.00227681
2106 Mar	0.037548788	5.99816E-06	14.45174217	10.86873627	0.09855102	0.004548337	76.26824188	0.006269634	0.005147398	0.000114196	0.001811217	0.000665324	0.744031847	3.66253E-06	0.004208286	0.000560913	0.001799183	0.002276839
2106 Apr	0.037553582	5.99893E-06	14.45358372	10.870121	0.098563582	0.004548918	76.2779541	0.006270432	0.005148054	0.00011421	0.001811448	0.000665409	0.744126678	3.66299E-06	0.004208822	0.000560984	0.001799412	0.002277129
2106 May	0.037586056	6.00331E-06	14.47136021	10.88321781	0.098688096	0.004554728	76.37550354	0.006278042	0.005150275	0.000114319	0.001813762	0.000666232	0.745061874	3.66579E-06	0.004214223	0.000561631	0.001800897	0.00228014
2106 Jun	0.037658516	6.01111E-06	14.48929882	10.89621925	0.098849095	0.004560924	76.45631409	0.006285797	0.005145862	0.000114624	0.001816309	0.00066707	0.746060967	3.66468E-06	0.004220099	0.000562581	0.001801197	0.002284345
2106 Jul	0.037734587	6.02476E-06	14.52133369	10.91975021	0.099075027	0.004571283	76.61768341	0.006299631	0.005151756	0.000114856	0.001820474	0.000668547	0.74773562	3.67019E-06	0.004229772	0.000563836	0.001804284	0.002290109
2106 Aug	0.037776425	6.03519E-06	14.54807758	10.9389019	0.099260107	0.004580136	76.74979401	0.006311063	0.00515273 1	0.000114964	0.00182401	0.000669779	0.749143481	3.67325E-06	0.00423807	0.000564747	0.001806124	0.002295297
2106 Sep	0.037798282	6.04262E-06	14.57536316	10.95815849	0.099445499	0.004589402	76.89125824	0.006322626	0.005150553	0.000114986	0.001827674	0.000671039	0.750594378	3.67511E-06	0.004246718	0.000565564	0.001807402	0.002300653
2106 Oct	0.037812725	6.04682E-06	14.59558201	10.97258568	0.099580087	0.0045962	77.00111389	0.006331185	0.005150218	0.000114999	0.001830359	0.000671973	0.751663387	3.67715E-06	0.004253044	0.000566168	0.001808571	0.002304364
2106 Nov	0.037816606	6.04755E-06	14.59863377	10.97481251	0.099600442	0.004597198	77.01795197	0.006332487	0.005150612	0.000115009	0.001830755	0.000672114	0.751822948	3.67766E-06	0.00425397	0.000566268	0.001808831	0.002304878
2106 Dec	0.037817359	6.04772E-06	14.59956074	10.97548294	0.099606551	0.004597504	77.02315521	0.00633288	0.005150671	0.000115011	0.001830876	0.000672157	0.751871586	3.67779E-06	0.004254255	0.000566297	0.0018089	0.002305036
2107 Jan	0.037817538	6.04775E-06	14.59977627	10.97563839	0.099607974	0.004597576	77.02436829	0.006332972	0.005150684	0.000115011	0.001830905	0.000672167	0.751882911	3.67782E-06	0.004254322	0.000566303	0.001808916	0.002305072
2107 Feb	0.037817869	6.0478E-06	14.59990692	10.97573757	0.099608876	0.004597617	77.02507019	0.006333028	0.005150725	0.000115012	0.001830921	0.000672173	0.751889646	3.67785E-06	0.00425436	0.000566308	0.001808931	0.002305093
2107 Mar	0.037818912	6.04797E-06	14.6003027	10.97603512	0.099611595	0.004597742	77.02716064	0.0063332	0.005150865	0.000115015	0.001830971	0.000672191	0.751910031	3.67795E-06	0.004254475	0.000566324	0.0018098	0.002305156
2107 Apr	0.037821319	6.04835E-06	14.60122967	10.97673225	0.099617921	0.004598034	77.03204346	0.006333603	0.005151192	0.000115023	0.001831087	0.000672234	0.751957834	3.67818E-06	0.004254745	0.00056636	0.001809095	0.002305302
2107 May	0.037844837	6.05099E-06	14.6065979	10.98078632	0.099662617	0.004599781	77.05767822	0.006335946	0.005151884	0.000115117	0.001831793	0.000672483	0.752245903	3.67882E-06	0.004256379	0.000566632	0.001809521	0.002306349
2107 Jun	0.03791092	6.05851E-06	14.61995316	10.99077225	0.099781543	0.004604216	77.11649323	0.00634179	0.005151801	0.000115388	0.001833606	0.000673105	0.752975523	3.67938E-06	0.00426056	0.000567369	0.001810265	0.00230928
2107 Jul	0.037977871	6.06969E-06	14.64832211	11.01164532	0.099983364	0.004613419	77.26114655	0.006354017	0.005156392	0.000115604	0.001837291	0.000674415	0.754463017	3.68404E-06	0.004269147	0.000568463	0.001812828	0.00231439
2107 Aug	0.0380366	6.07987E-06	14.67509174	11.03140354	0.100169234	0.004622044	77.39992523	0.006365548	0.005161857	0.000115787	0.001840732	0.000675649	0.755858123	3.68906E-06	0.004277175	0.000569459	0.001815445	0.00231903
2107 Sep	0.038068395	6.08684E-06	14.69635582	11.0468092	0.100314811	0.004629031	77.50968933	0.006374625	0.005163721	0.000115878	0.001843507	0.000676629	0.756973088	3.69208E-06	0.004283692	0.000570182	0.001817071	0.00232293
2107 Oct	0.038085204	6.09103E-06	14.71887875	11.06286621	0.100467972	0.00463663	77.63185883	0.006384139	0.005162432	0.000115913	0.001846517	0.000677671	0.758169234	3.69395E-06	0.004290783	0.000570875	0.001818209	0.002327164
2107 Nov	0.038092423	6.09263E-06	14.72908688	11.0701561	0.100537069	0.004640081	77.68837738	0.006388451	0.005161892	0.000115925	0.001847882	0.000678143	0.758711815	3.69481E-06	0.004293996	0.000571186	0.001818728	0.002329048
2107 Dec	0.038093496	6.09283E-06	14.73028183	11.07102299	0.100545049	0.004640477	77.69510651	0.006388957	0.005161958	0.000115928	0.001848038	0.000678199	0.758774638	3.69497E-06	0.004294363	0.000571224	0.001818814	0.002329253
2108 Jan	0.038093861	6.0929E-06	14.73063374	11.07127762	0.100547411	0.004640593	77.69708252	0.006389107	0.005161982	0.000115929	0.001848085	0.000678215	0.758793175	3.69503E-06	0.004294471	0.000571235	0.001818841	0.002329313
2108 Feb	0.038094029	6.09292E-06	14.73071098	11.07133579	0.10054794	0.004640617	77.69750214	0.006389139	0.005162	0.000115929	0.001848094	0.000678218	0.758797169	3.69504E-06	0.004294494	0.000571238	0.001818848	0.002329326
2108 Mar	0.038095213	6.09311E-06	14.73116207	11.0716753	0.100551032	0.004640759	77.69988251	0.006389335	0.005162158	0.000115933	0.001848151	0.000678239	0.758820474	3.69515E-06	0.004294626	0.000571256	0.001818904	0.002329397
2108 Apr	0.038104538	6.0946E-06	14.73474026	11.07436466	0.100575507	0.004641887	77.71871185	0.006390888	0.005163412	0.000115961	0.0018486	0.000678404	0.759004772	3.69605E-06	0.004295669	0.000571395	0.001819346	0.002329965

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2108 May	0.038126174	6.09799E-06	14.7427454	11.08038235	0.100630961	0.004644412	77.7604599	0.00639436	0.0051661	0.000116028	0.001849606	0.000678773	0.759418011	3.69799E-06	0.004298009	0.000571711	0.001820309	0.002331255
2108 Jun	0.038167946	6.10535E-06	14.75523376	11.08933449	0.100729294	0.004648605	77.81562042	0.0063998	0.005165862	0.000116153	0.001851335	0.000679349	0.76009059	3.69856E-06	0.004301974	0.000572304	0.001821118	0.002334064
2108 Jul	0.038239218	6.11805E-06	14.78540421	11.11163616	0.100937322	0.00465828	77.97106934	0.006412853	0.005173354	0.000116354	0.001855215	0.000680739	0.761658251	3.70465E-06	0.004310975	0.00057347	0.001824369	0.002339256
2108 Aug	0.038303573	6.12991E-06	14.81461143	11.133255	0.101136267	0.004667615	78.12233734	0.006425463	0.00518095	0.000116541	0.001858939	0.000682083	0.763170719	3.71086E-06	0.004319648	0.000574559	0.001827543	0.002344196
2108 Sep	0.038325939	6.13621E-06	14.8327837	11.14631176	0.101258203	0.004673594	78.21503448	0.006433214	0.00518236	0.000116592	0.001861322	0.00068292	0.764121175	3.7134E-06	0.004325236	0.000575163	0.001828951	0.002347596
2108 Oct	0.03832183	6.1397E-06	14.85117054	11.15892601	0.101378679	0.004680015	78.31089783	0.006440902	0.00517825	0.000116521	0.001863851	0.000683767	0.765106261	3.71352E-06	0.004331239	0.000575638	0.00182932	0.002351503
2108 Nov	0.038327828	6.14136E-06	14.85996723	11.16520309	0.101436801	0.004682984	78.35948181	0.006444626	0.005178149	0.000116521	0.001865022	0.000684173	0.765571892	3.71439E-06	0.004333997	0.000575901	0.00182983	0.002353126
2108 Dec	0.03832886	6.14156E-06	14.86100769	11.16595745	0.1014437	0.004683328	78.36533356	0.006445068	0.005178234	0.000116523	0.001865159	0.000684221	0.76562655	3.71454E-06	0.004334316	0.000575935	0.00182991	0.002353305
2109 Jan	0.038329054	6.14159E-06	14.86115742	11.16606808	0.101444706	0.004683378	78.36616516	0.006445131	0.00517825	0.000116523	0.001865178	0.000684228	0.765634418	3.71456E-06	0.004334362	0.00057594	0.001829922	0.00235333
2109 Feb	0.038329329	6.14163E-06	14.86126137	11.16614628	0.101445429	0.004683411	78.36672974	0.006445177	0.005178282	0.000116524	0.001865191	0.000684233	0.765639842	3.71458E-06	0.004334392	0.000575944	0.001829934	0.002353347
2109 Mar	0.038330626	6.14184E-06	14.86175728	11.16651726	0.101448812	0.004683567	78.36933136	0.006445392	0.005178455	0.000116528	0.001865253	0.000684255	0.765665293	3.71471E-06	0.004334536	0.000575963	0.001829995	0.002353425
2109 Apr	0.03833691	6.14284E-06	14.86418629	11.1683445	0.101465419	0.004684332	78.38214874	0.006446446	0.005179303	0.000116547	0.001865559	0.000684367	0.765790582	3.71532E-06	0.004335245	0.000576057	0.001830294	0.00235381
2109 May	0.038377702	6.1473E-06	14.87308788	11.17511272	0.101539098	0.004687215	78.42532349	0.006450345	0.005180954	0.000116704	0.001866724	0.000684781	0.766267061	3.71655E-06	0.004337933	0.000576516	0.001831086	0.002355514
2109 Jun	0.038456496	6.15624E-06	14.88950348	11.18754578	0.101677649	0.00469256	78.50228119	0.006457549	0.005183456	0.000117005	0.001868894	0.000685543	0.767149866	3.71847E-06	0.00434293	0.000577388	0.001832455	0.0023588
2109 Jul	0.038522422	6.16748E-06	14.91499519	11.20631504	0.101860546	0.004700819	78.62911224	0.00646856	0.00518789	0.000117215	0.001872202	0.000686718	0.768486261	3.72266E-06	0.00435064	0.000578393	0.001834785	0.00236352
2109 Aug	0.03858868	6.17842E-06	14.94376469	11.22747421	0.102063201	0.004710168	78.77784729	0.006480954	0.00519263	0.000117417	0.001875936	0.000688047	0.769994795	3.72741E-06	0.004359351	0.000579469	0.001837363	0.0023687
2109 Sep	0.038616408	6.18582E-06	14.97157764	11.24732685	0.10225305	0.004719479	78.92304993	0.006492742	0.005191987	0.000117485	0.001879629	0.00068933	0.77146548	3.73008E-06	0.004368054	0.000580347	0.001838936	0.002374089
2109 Oct	0.038619891	6.18992E-06	14.99603176	11.26432037	0.102416873	0.004727994	79.05323792	0.006502983	0.00518714	0.000117436	0.001882967	0.000690459	0.77277869	3.73044E-06	0.004375991	0.000580998	0.001839439	0.002379203
2109 Nov	0.038627725	6.19168E-06	15.00598907	11.27148438	0.102482766	0.004731328	79.10888672	0.0065072	0.005187378	0.000117445	0.00188428	0.000690919	0.773304343	3.73161E-06	0.004379084	0.000581298	0.001840072	0.002380994
2109 Dec	0.038630527	6.19224E-06	15.00979042	11.2742281	0.102507927	0.004732594	79.13047028	0.006508809	0.005187501	0.00011745	0.001884781	0.000691095	0.773504615	3.7321E-06	0.00438026	0.000581414	0.001840327	0.00238166
2110 Jan	0.03863088	6.1923E-06	15.01004696	11.27441597	0.10250964	0.004732678	79.13189697	0.006508918	0.005187538	0.000117451	0.001884814	0.000691107	0.773518026	3.73214E-06	0.004380338	0.000581422	0.001840349	0.002381703
2110 Feb	0.038631268	6.19236E-06	15.01024914	11.2745657	0.102511019	0.004732743	79.13299561	0.006509005	0.005187582	0.000117452	0.00188484	0.000691116	0.773528516	3.73218E-06	0.004380398	0.000581429	0.001840369	0.002381736
2110 Mar	0.038632199	6.19251E-06	15.01060581	11.27483463	0.102513462	0.004732855	79.13487244	0.00650916	0.005187705	0.000117455	0.001884885	0.000691132	0.773546934	3.73227E-06	0.004380503	0.000581443	0.001840413	0.002381793
2110 Apr	0.038636029	6.19312E-06	15.01208973	11.27594852	0.102523603	0.004733323	79.1427002	0.006509803	0.005188217	0.000117466	0.001885071	0.000691201	0.773623407	3.73264E-06	0.004380935	0.000581501	0.001840595	0.002382028
2110 May	0.038673822	6.20081E-06	15.06688213	11.31548214	0.102889985	0.00475151	79.45202637	0.006532965	0.005189065	0.000117579	0.001892295	0.000693737	0.776509821	3.73948E-06	0.004397888	0.000583204	0.001844228	0.002391681
2110 Jun	0.03875	6.21002E-06	15.10582352	11.34360695	0.103190087	0.004764655	79.65375519	0.006549525	0.005184146	0.000117922	0.001897602	0.000695549	0.778612852	3.74098E-06	0.004410265	0.000584768	0.001845803	0.002399734
2110 Jul	0.038809374	6.22103E-06	15.13122654	11.36227989	0.10336896	0.004772839	79.78078461	0.006560484	0.005188957	0.000118112	0.00190089	0.00069672	0.779937863	3.74549E-06	0.004417914	0.000585757	0.001848268	0.002404374
2110 Aug	0.038856708	6.23191E-06	15.16780281	11.38811779	0.103628166	0.004785264	79.9679718	0.00657603	0.005184791	0.000118228	0.001905864	0.000698413	0.781896174	3.7472E-06	0.00442959	0.000586947	0.001849797	0.002412052
2110 Sep	0.038863175	6.2383E-06	15.19185829	11.4047308	0.103788719	0.00479364	80.09061432	0.006586151	0.005180147	0.000118172	0.001909143	0.000699523	0.783185899	3.74756E-06	0.0044374	0.000587567	0.001850332	0.002417313
2110 Oct	0.038863592	6.24248E-06	15.21460247	11.42049408	0.103936009	0.004801609	80.21305847	0.006595691	0.00517627	0.000118076	0.001912234	0.000700571	0.784405708	3.74805E-06	0.004444779	0.000588115	0.001850838	0.002422096
2110 Nov	0.038862847	6.24376E-06	15.22244835	11.42595959	0.103986353	0.004804327	80.25565338	0.006598976	0.005175195	0.000118047	0.001913292	0.000700932	0.784823835	3.7484E-06	0.0044473	0.000588307	0.001851077	0.002423688
2110 Dec	0.038863685	6.24394E-06	15.22336674	11.42662621	0.10399238	0.004804632	80.26081848	0.006599367	0.005175273	0.000118048	0.001913412	0.000700975	0.784872115	3.74854E-06	0.004447582	0.000588335	0.001851146	0.002423848
2111 Jan	0.03886392	6.24398E-06	15.22359085	11.42678738	0.103993855	0.004804705	80.2620697	0.006599462	0.005175293	0.000118048	0.001913441	0.000700985	0.784883797	3.74857E-06	0.00444765	0.000588342	0.001851163	0.002423887
2111 Feb	0.038864098	6.24401E-06	15.22374439	11.42690086	0.103994891	0.004804757	80.26293945	0.006599528	0.005175307	0.000118049	0.001913461	0.000700992	0.784891903	3.74859E-06	0.004447697	0.000588347	0.001851175	0.002423914
2111 Mar	0.038865939	6.24431E-06	15.22446823	11.4274435	0.103999838	0.004804985	80.26676178	0.006599841	0.005175549	0.000118054	0.001913552	0.000701026	0.784929216	3.74877E-06	0.004447909	0.000588375	0.001851262	0.002424029
2111 Apr	0.038872994	6.24544E-06	15.2272253	11.42951298	0.104018681	0.004805855	80.28129578	0.006601037	0.005176487	0.000118075	0.001913898	0.000701153	0.785071373	3.74945E-06	0.004448714	0.000588482	0.001851597	0.002424469
2111 May	0.038908612	6.24928E-06	15.23575592	11.43602562	0.104085848	0.004808594	80.32505035	0.006604771	0.005178723	0.000118205	0.001914998	0.000701548	0.785523593	3.75099E-06	0.004451252	0.000588892	0.001852472	0.002425981
2111 Jun	0.038999576	6.25689E-06	15.24680901	11.44460487	0.104204111	0.004812359	80.37103271	0.006609718	0.005177995	0.000118574	0.001916549	0.00070207	0.786154509	3.75042E-06	0.004454785	0.000589698	0.001852834	0.002428799
2111 Jul	0.039080262	6.26926E-06	15.27678394	11.46698856	0.104415528	0.004821936	80.52684021	0.006622707	0.005186077	0.000118829	0.001920378	0.000703452	0.78771472	3.75668E-06	0.004463677	0.000590897	0.001856101	0.002433903
2111 Aug	0.039117604	6.27837E-06	15.29765511	11.48185158	0.104564592	0.004828934	80.62586975	0.006631626	0.00518547	0.000118932	0.001923161	0.000704414	0.788823009	3.7583E-06	0.004470239	0.000591613	0.00185721	0.002438381
2111 Sep	0.039142545	6.28497E-06	15.3193903	11.49739265	0.104713	0.00483622	80.73877716	0.006640872	0.005185367	0.000118983	0.001926037	0.000705418	0.789972782	3.76049E-06	0.004477025	0.000592293	0.001858491	0.002442663
2111 Oct	0.039140522	6.28833E-06	15.33853149	11.51066303	0.104839146	0.004842863	80.84029388	0.006648877	0.005181652	0.000118932	0.001928636	0.000706301	0.790996552	3.76095E-06	0.004483217	0.000592776	0.001858928	0.002446731
2111 Nov	0.039139256	6.29006E-06	15.35009289	11.51870441	0.104914121	0.00484689	80.90332031	0.006653716	0.005179718	0.000118889	0.001930202	0.000706834	0.791615248	3.76131E-06	0.004486952	0.000593058	0.001859213	0.002449136
2111 Dec	0.039140604	6.29034E-06	15.35169029	11.51985836	0.104924642	0.004847424	80.91235352	0.006654393	0.005179802	0.000118891	0.001930411	0.000706908	0.791699409	3.76152E-06	0.004487445	0.000593107	0.001859322	0.00244942
2112 Jan	0.03914101	6.29043E-06	15.35220909	11.52023411	0.104928069	0.004847596	80.91529083	0.006654613	0.005179826	0.000118891	0.001930479	0.000706932	0.791726708	3.76159E-06	0.004487605	0.000593122	0.001859358	0.002449512
2112 Feb	0.039141409	6.29049E-06	15.35243797	11.52040291	0.104929626	0.00484767	80.91654968	0.006654711	0.005179868	0.000118893	0.001930509	0.000706943	0.791738629	3.76163E-06	0.004487674	0.00059313	0.001859379	0.00244955
2112 Mar	0.039143581	6.29084E-06	15.35328102	11.52103615	0.1049354	0.004847937	80.92099762	0.006655077	0.005180152	0.000118899	0.001930615	0.000706981	0.791782141	3.76183E-06	0.004487921	0.000593163	0.001859481	0.002449685
2112 Apr	0.039149728	6.29182E-06	15.35568619	11.52283955	0.104951836	0.004848696	80.93367004	0.006656119	0.005180964	0.000118918	0.001930917	0.000707092	0.791906118	3.76242E-06	0.004488623	0.000593256	0.001859773	0.002450069
2112 May	0.039207429	6.29879E-06	15.391819	11.54927921	0.105207756	0.004860675	81.13527679	0.00667152	0.005182542	0.000119118	0.001935686	0.000708769	0.793823361	3.76682E-06	0.004499767	0.000594544	0.001862261	0.002456603
2112 Jun	0.039294753	6.30461E-06	15.39875412	11.55443382	0.105318785	0.004863408	81.15093994	0.006674621	0.005173772	0.000119549	0.00193688	0.000709108	0.794280052	3.7621E-06	0.004502459	0.000595313	0.001860991	0.002459757
2112 Jul	0.039378066	6.31638E-06	15.42765999	11.57577515	0.105534256	0.004872844	81.29851532	0.006687145	0.005177619	0.000119829	0.001940703	0.000710447	0.795811057	3.76612E-06	0.004511282	0.000596556	0.001863531	0.00246527
2112 Aug	0.039441869	6.32777E-06	15.45935154	11.59907818	0.105754301	0.004883095	81.46381378	0.006700769	0.005183124	0.000120032	0.001944801	0.000711909	0.797465861	3.77172E-06	0.004520834	0.000597731	0.001866506	0.002470924
2112 Sep	0.039484154	6.33674E-06	15.50216198	11.62993145	0.106046706	0.004897297	81.69762421	0.006718935	0.005183609	0.000120166	0.001950467	0.000713891	0.799724638	3.77677E-06	0.004534103	0.000599135	0.001869364	0.002478907
2112 Oct	0.039494246	6.34103E-06	15.52940178	11.64933395	0.106228009	0.004906419	81.84751892	0.006730406	0.005182278	0.000120191	0.001954091	0.000715151	0.80116272	3.77947E-06	0.004542632	0.000599945	0.001870876	0.002484079
2112 Nov	0.039498191	6.34218E-06	15.53644276	11.65438747	0.106274724	0.004908761	81.88666534	0.006733378	0.005182293	0.0001202	0.00195502	0.000715476	0.801533341	3.78031E-06	0.004544816	0.000600159	0.001871327	0.00248537
2112 Dec	0.039499	6.34234E-06	15.53727627	11.65499306	0.10628026	0.004909034	81.89130402	0.006733732	0.005182371	0.000120203	0.001955129	0.000715515	0.801576912	3.78044E-06	0.004545071	0.000600186	0.001871394	0.002485515
2113 Jan	0.039499134	6.34237E-06	15.53743744	11.65510941	0.106281333	0.004909088	81.89220428	0.006733801	0.00518238	0.000120203	0.00195515	0.000715522	0.801585376	3.78046E-06	0.00454512	0.000600191	0.001871406	0.002485543
2113 Feb	0.039499424	6.34241E-06	15.5375433	11.65519047	0.106282078	0.004909121	81.89277649	0.006733847	0.005182415	0.000120204	0.001955163	0.000715527	0.801590919	3.78049E-06	0.004545152	0.000600195	0.001871419	0.00248556
2113 Mar	0.039502822	6.34298E-06	15.53918839	11.65641212	0.106293239	0.004909647	81.90158081	0.006734555	0.005182843	0.000120214	0.001955372	0.000715603	0.801676095	3.78085E-06	0.004545639	0.000600256	0.001871597	0.00248583
2113 Apr	0.039509114	6.34406E-06	15.54252529	11.65888405	0.106315777	0.004910716	81.91955566	0.006735989	0.005183631	0.000120234	0.001955798	0.000715757	0.801849127	3.78154E-06	0.004546631	0.000600375	0.001871945	0.002486382
2113 May	0.039548334	6.3496E-06	15.56766701	11.67728806	0.106493101	0.004918969	82.05730438	0.006746705	0.00518527	0.000120385	0.001959097	0.000716922	0.803175509	3.78499E-06	0.004554335	0.000601282	0.00187383	0.002490926
2113 Jun	0.039611153	6.35658E-06	15.58493042	11.68995571	0.106642969	0.004924779	82.13760376	0.006754135	0.005182683	0.00012068	0.001961474	0.000717728	0.804121196	3.78506E-06	0.004559844	0.000602153	0.001874423	0.002494967
2113 Jul	0.039676476	6.36788E-06	15.61173534	11.70978737	0.106831573	0.004933377	82.27368164	0.006765707	0.005188566	0.000120893	0.001964916	0.000718963	0.805517137	3.79019E-06	0.00456786	0.000603194	0.001877126	0.002499756
2113 Aug	0.039732989	6.3782E-06	15.63881683	11.72968388	0.107020751	0.004942133	82.41252899	0.006777348	0.005193096	0.000121079	0.001968415	0.000720212	0.806931317	3.79489E-06	0.004576031	0.000604198	0.001879609	0.002504687
2113 Sep	0.039756525	6.38467E-06	15.66183376	11.74609947	0.107179813	0.004949842	82.53118134	0.006787101	0.00519215	0.000121149	0.001971477	0.000721275	0.808149934	3.79694E-06	0.004583247	0.000604939	0.001880853	0.00250936
2113 Oct	0.039757866	6.38831E-06	15.68784237	11.76418877	0.10735523	0.004958914	82.67177582	0.006797975	0.005186471	0.000121102	0.001975035	0.000722477	0.809549451	3.79717E-06	0.004591705	0.000605636	0.001881317	0.002515025
2113 Nov	0.039768353	6.39067E-06	15.7039814	11.77572632	0.107462935	0.004964398	82.76286316	0.006804791	0.005185814	0.000121104	0.00197719	0.000723224	0.810408294	3.79855E-06	0.004596787	0.000606111	0.00188213	0.002518124
2113 Dec	0.039769638	6.39091E-06	15.70520592	11.77661514	0.107471056	0.004964802	82.76973724	0.00680531	0.005185917	0.000121107	0.001977349	0.000723281	0.810472548	3.79873E-06	0.004597162	0.00060615	0.001882222	0.00251834
2114 Jan	0.039769955	6.39096E-06	15.7054739	11.77681065	0.107472859	0.004964891	82.77124786	0.006805425	0.005185943	0.000121107	0.001977385	0.000723293	0.810486674	3.79877E-06	0.004597244	0.000606158	0.001882243	0.002518388
2114 Feb	0.039770186	6.391E-06	15.70565605	11.77694416	0.107474089	0.004964951	82.7722702	0.006805502	0.005185961	0.000121108	0.001977408	0.000723301	0.810496211	3.7988E-06	0.0045973	0.000606164	0.001882257	0.00251842
2114 Mar	0.039771963	6.39129E-06	15.70639229	11.77749538	0.107479125	0.004965185	82.77617645	0.006805821	0.005186188	0.000121113	0.001977501	0.000723335	0.810534298	3.79897E-06	0.004597517	0.000606192	0.001882342	0.002518539
2114 Apr	0.039776683	6.39209E-06	15.70892334	11.77936745	0.107496224	0.004965999	82.78987122	0.006806909	0.005186758	0.000121127	0.001977825	0.000723452	0.810665786	3.79948E-06	0.004598272	0.000606283	0.0018826	0.002518962
2114 May	0.039823338	6.39883E-06	15.74825287	11.80789089	0.107771024	0.004979103	83.00854492	0.006823586	0.005186702	0.000121294	0.001983038	0.000725276	0.812752426	3.80373E-06	0.004610489	0.000607616	0.001885017	0.002526339
2114 Jun	0.0399005	6.40856E-06	15.76992702	11.8240633	0.107943751	0.004986174	83.11380768	0.00683298	0.005188923	0.000121603	0.001985893	0.000726281	0.813908994	3.80631E-06	0.004617113	0.000608631	0.001886686	0.002530728
2114 Jul	0.039975155	6.42157E-06	15.80097198	11.84711361	0.108159296	0.004996084	83.27280426	0.00684639	0.005196882	0.00012184	0.001989849	0.00072771	0.815519392	3.81281E-06	0.00462633	0.000609824	0.001890007	0.002536103
2114 Aug	0.040045451	6.43368E-06	15.83223248	11.87031555	0.108374663	0.005006079	83.43580627	0.006859872	0.005204671	0.000122061	0.001993832	0.000729151	0.817141354	3.81934E-06	0.004635617	0.000610998	0.001893312	0.002541443
2114 Sep	0.04005878	6.43961E-06	15.84941006	11.88243008	0.10849189	0.005011857	83.51957703	0.006867127	0.005203468	0.000122094	0.001996114	0.000729941	0.818048596	3.82067E-06	0.004641032	0.000611523	0.001894119	0.002545153
2114 Oct	0.040066466	6.44397E-06	15.87381935	11.89964581	0.108655199	0.005020192	83.65114594	0.006877381	0.005200723	0.000122086	0.001999391	0.000731068	0.819347918	3.82214E-06	0.0046488	0.000612213	0.001895059	0.002550206
2114 Nov	0.040070105	6.44729E-06	15.902668	11.92005157	0.108845174	0.005030033	83.81304932	0.006889482	0.005197823	0.000122055	0.002003258	0.000732402	0.820882082	3.82415E-06	0.004657954	0.000613005	0.001896254	0.002555932
2114 Dec	0.04007183	6.44778E-06	15.90657806	11.92285538	0.108870909	0.005031344	83.83528137	0.00689113	0.005197776	0.000122056	0.002003775	0.000732583	0.821088552	3.82458E-06	0.004659172	0.000613119	0.001896485	0.002556656
2115 Jan	0.040072273	6.44789E-06	15.90725422	11.92334175	0.108875364	0.005031568	83.83909607	0.006891415	0.005197804	0.000122057	0.002003864	0.000732614	0.821124017	3.82467E-06	0.00465938	0.00061314	0.001896532	0.002556777
2115 Feb	0.040072609	6.44794E-06	15.907444	11.92348289	0.10887666	0.00503163	83.8401413	0.006891497	0.005197839	0.000122058	0.002003889	0.000732623	0.821133971	3.82471E-06	0.004659437	0.000613147	0.00189655	0.00255681
2115 Mar	0.040073548	6.44809E-06	15.9078207	11.92376518	0.108879246	0.005031749	83.84212494	0.00689166	0.005197957	0.000122061	0.002003936	0.00073264	0.821153402	3.8248E-06	0.004659548	0.000613161	0.001896594	0.00255687

Appendix D.2-25: Discovery

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Apr	0.040079601	6.44906E-06	15.9102211	11.92556381	0.108895682	0.005032508	83.85478973	0.0068927	0.00519874	0.000122079	0.002004239	0.000732751	0.82127732	3.82537E-06	0.004660251	0.000613254	0.00189688	0.002557256
2115 May	0.040115163	6.45296E-06	15.9190073	11.93217564	0.108968519	0.005035388	83.8975296	0.006896516	0.005199485	0.000122226	0.0020054	0.00073316	0.821750104	3.82628E-06	0.004662945	0.000613688	0.001897501	0.002559077
2115 Jun	0.040196765	6.46307E-06	15.94534874	11.95191383	0.109166645	0.005043906	84.03401947	0.006907922	0.005204369	0.000122526	0.002008815	0.00073438	0.823141098	3.83062E-06	0.004670871	0.000614826	0.001899927	0.002563899
2115 Jul	0.040265922	6.47581E-06	15.97633171	11.97481155	0.109380916	0.005053839	84.19199371	0.006921271	0.005211405	0.000122745	0.002012773	0.000735806	0.824750066	3.83677E-06	0.004680118	0.000615984	0.001903062	0.002569383
2115 Aug	0.040283401	6.48372E-06	15.99557686	11.98830414	0.109513149	0.005060306	84.2816925	0.006929409	0.00520972	0.000122792	0.002015331	0.00073669	0.825766087	3.83811E-06	0.004686205	0.000616559	0.001903898	0.002573719
2115 Sep	0.040311754	6.49101E-06	16.02227974	12.00748253	0.109694518	0.005069202	84.42313385	0.006940752	0.005210065	0.000122862	0.002018848	0.000737924	0.827174723	3.84115E-06	0.004694493	0.000617394	0.00190558	0.002578951
2115 Oct	0.040324092	6.49517E-06	16.04501152	12.02373219	0.109845653	0.00507681	84.54810333	0.006950347	0.005209552	0.000122885	0.002021854	0.000738975	0.828374267	3.84358E-06	0.004701584	0.000618062	0.001906895	0.002583329
2115 Nov	0.040324692	6.49711E-06	16.05994225	12.03427315	0.109943271	0.005081891	84.63123322	0.006956609	0.005208069	0.000122865	0.002023851	0.000739665	0.829166591	3.84469E-06	0.004706315	0.00061846	0.001907528	0.00258632
2115 Dec	0.040326502	6.49767E-06	16.06388283	12.03709888	0.109969147	0.005083207	84.65350342	0.00695827	0.005208066	0.000122868	0.00202437	0.000739847	0.829374194	3.84515E-06	0.004707539	0.000618575	0.001907771	0.002587051
2116 Jan	0.040326867	6.49775E-06	16.06429672	12.03740025	0.109971896	0.005083344	84.65583801	0.006958446	0.005208095	0.000122868	0.002024424	0.000739867	0.82939595	3.84521E-06	0.004707667	0.000618588	0.001907802	0.002587125
2116 Feb	0.04032746	6.49784E-06	16.06458855	12.03761578	0.109973893	0.005083438	84.6574173	0.006958572	0.005208161	0.00012287	0.002024462	0.00073988	0.829411149	3.84527E-06	0.004707753	0.000618599	0.001907832	0.002587174
2116 Mar	0.040328488	6.498E-06	16.06502342	12.03794193	0.109976888	0.005083576	84.65973663	0.00695876	0.005208288	0.000122873	0.002024517	0.0007399	0.829433739	3.84537E-06	0.004707882	0.000618615	0.001907881	0.002587246
2116 Apr	0.040334165	6.49892E-06	16.06728554	12.03963757	0.10999237	0.005084292	84.67165375	0.00695974	0.005209019	0.000122891	0.002024802	0.000740004	0.829550505	3.84591E-06	0.004708544	0.000618702	0.001908149	0.00258761
2116 May	0.040380247	6.50679E-06	16.12076378	12.0783596	0.110356472	0.005102027	84.97349548	0.006982368	0.005209654	0.000123058	0.002031856	0.000742483	0.8323735	3.85245E-06	0.004725082	0.000620423	0.001911661	0.002597459
2116 Jun	0.040435806	6.51173E-06	16.1283741	12.08380318	0.110453956	0.005104846	84.99501801	0.006985645	0.005202092	0.000123374	0.002033063	0.000742847	0.832836926	3.8491E-06	0.004727866	0.000621036	0.001910742	0.002600591
2116 Jul	0.040516917	6.52493E-06	16.15859795	12.10630512	0.110668294	0.005114495	85.14898682	0.006998738	0.005209813	0.00012364	0.002036934	0.00074424	0.834409535	3.85526E-06	0.004736849	0.00062226	0.001914001	0.00260592
2116 Aug	0.040579814	6.53574E-06	16.18466949	12.12565994	0.110850319	0.005122833	85.28289032	0.007010001	0.005216199	0.000123842	0.002040263	0.000745442	0.835764289	3.86058E-06	0.004744604	0.000623267	0.001916745	0.002610486
2116 Sep	0.040590376	6.54083E-06	16.19691277	12.13413429	0.110937484	0.005127054	85.33830261	0.007015162	0.005213692	0.000123867	0.002041932	0.000746005	0.836420238	3.86064E-06	0.004748575	0.000623655	0.001917005	0.002613555
2116 Oct	0.040600728	6.54435E-06	16.21527672	12.1470356	0.111062832	0.005133454	85.43740082	0.007022891	0.00521078	0.000123851	0.002044433	0.000746853	0.837409317	3.86104E-06	0.004754509	0.000624186	0.001917472	0.002617663
2116 Nov	0.040610801	6.54615E-06	16.22550583	12.15442562	0.111131571	0.005136887	85.49518585	0.00702723	0.00521104	0.000123867	0.002045786	0.000747326	0.837951183	3.8622E-06	0.004757688	0.000624506	0.001918118	0.002619597
2116 Dec	0.040611506	6.54629E-06	16.22637749	12.15505695	0.11113736	0.005137177	85.50015259	0.0070276	0.005211081	0.000123869	0.0020459	0.000747367	0.837997198	3.86232E-06	0.004757958	0.000624533	0.001918179	0.002619757
2117 Jan	0.040611826	6.54635E-06	16.22677422	12.15534401	0.11113999	0.005137309	85.50241089	0.007027768	0.005211096	0.000123869	0.002045952	0.000747385	0.838018	3.86237E-06	0.00475808	0.000624546	0.001918206	0.002619829
2117 Feb	0.040612027	6.54638E-06	16.22697258	12.15548897	0.111141346	0.005137376	85.50354004	0.007027853	0.005211107	0.00012387	0.002045979	0.000747394	0.83802861	3.86239E-06	0.004758141	0.000624552	0.00191822	0.002619866
2117 Mar	0.040613305	6.54659E-06	16.22749901	12.15588093	0.11114493	0.005137542	85.50630951	0.00702808	0.005211267	0.000123873	0.002046045	0.000747418	0.83805567	3.86252E-06	0.004758295	0.000624572	0.00191828	0.002619951
2117 Apr	0.040620703	6.54778E-06	16.23045349	12.15809441	0.111165173	0.005138477	85.5218811	0.007029359	0.005212215	0.000123896	0.002046417	0.000747555	0.838208258	3.86322E-06	0.004759162	0.000624686	0.001918629	0.002620428
2117 May	0.040655162	6.55201E-06	16.23944283	12.16489601	0.111235246	0.005141366	85.56665039	0.007033278	0.005214261	0.000124024	0.002047577	0.000747971	0.838683605	3.86476E-06	0.004761849	0.000625107	0.001919506	0.00262212
2117 Jun	0.04072259	6.55997E-06	16.25379562	12.17574883	0.111356437	0.005146045	85.63323975	0.007039563	0.005216221	0.000124288	0.002049472	0.000748637	0.839455426	3.86638E-06	0.004766226	0.000625862	0.001920648	0.0026252
2117 Jul	0.040796064	6.57222E-06	16.28239059	12.19702244	0.111556664	0.005155186	85.77973938	0.007051934	0.005223653	0.000124518	0.00205312	0.000749955	0.840941608	3.87229E-06	0.004774719	0.000626978	0.001923698	0.002630207
2117 Aug	0.040850025	6.58213E-06	16.30626869	12.21460152	0.111724012	0.005162904	85.90061188	0.007062218	0.005228103	0.000124688	0.002056194	0.000751055	0.84218812	3.87652E-06	0.004781908	0.000627873	0.001925926	0.002634644
2117 Sep	0.040880337	6.58847E-06	16.32374763	12.22731209	0.111845367	0.005168639	85.98983002	0.007069694	0.005229847	0.00012478	0.002058472	0.00075186	0.843105435	3.87903E-06	0.004787255	0.000628488	0.001927284	0.00263805
2117 Oct	0.040891595	6.59142E-06	16.33653069	12.23637581	0.111933812	0.005173022	86.05766296	0.007075092	0.005228483	0.000124797	0.002060194	0.000752451	0.843789935	3.87965E-06	0.004791333	0.00062888	0.001927753	0.002640848
2117 Nov	0.040895689	6.59258E-06	16.34196472	12.24024487	0.111970529	0.00517487	86.08706665	0.007077388	0.005228177	0.000124801	0.00206092	0.000752702	0.844079137	3.88007E-06	0.004793049	0.000629043	0.001928007	0.00264198
2117 Dec	0.040896993	6.59281E-06	16.34313202	12.24108982	0.111978412	0.005175257	86.09355164	0.007077883	0.005228229	0.000124804	0.002061073	0.000752756	0.844140649	3.88022E-06	0.004793409	0.00062908	0.001928086	0.0026422
2118 Jan	0.040897369	6.59287E-06	16.34338951	12.24127769	0.111980177	0.005175342	86.09500885	0.007077992	0.005228255	0.000124805	0.002061107	0.000752768	0.844154239	3.88026E-06	0.004793487	0.000629089	0.001928106	0.002642246
2118 Feb	0.040897734	6.59292E-06	16.34360313	12.24143696	0.11198166	0.005175413	86.09619904	0.007078084	0.005228285	0.000124806	0.002061135	0.000752778	0.844165504	3.88029E-06	0.004793553	0.000629097	0.001928124	0.002642284
2118 Mar	0.040898453	6.59303E-06	16.34391403	12.2416687	0.111983798	0.005175512	86.09786987	0.007078218	0.005228369	0.000124808	0.002061174	0.000752792	0.844181657	3.88036E-06	0.004793644	0.000629108	0.001928158	0.002642336
2118 Apr	0.04090514	6.59391E-06	16.34605217	12.24328613	0.11199934	0.00517619	86.10901642	0.007079146	0.00522901	0.000124827	0.002061445	0.000752891	0.844293058	3.88083E-06	0.004794273	0.000629198	0.001928397	0.002642693
2118 May	0.04096847	6.59794E-06	16.35080719	12.24731827	0.112062782	0.005177762	86.12789917	0.007081349	0.005229301	0.000125091	0.002062108	0.000753118	0.844574213	3.88056E-06	0.004795748	0.000629682	0.001928606	0.002644033
2118 Jun	0.041035403	6.60258E-06	16.34406471	12.24274921	0.112066895	0.00517573	86.06790161	0.007078666	0.005224498	0.000125422	0.00206137	0.000752814	0.844277918	3.87634E-06	0.004793953	0.000629918	0.001927145	0.002644347
2118 Jul	0.0411232	6.6158E-06	16.37394714	12.26518536	0.112279162	0.005185215	86.2218399	0.007091649	0.005233603	0.000125704	0.002065163	0.000754192	0.845829904	3.88299E-06	0.004802754	0.000631145	0.001930573	0.002649419
2118 Aug	0.041194964	6.62615E-06	16.3968792	12.28213882	0.112455122	0.005192743	86.33470154	0.007101575	0.005235814	0.000125957	0.002068181	0.000755254	0.847050607	3.88575E-06	0.004809783	0.000632124	0.001932306	0.002654201
2118 Sep	0.041218977	6.63138E-06	16.41547585	12.29518795	0.112593658	0.005199289	86.42873383	0.007109434	0.00523101	0.000126012	0.002070752	0.000756117	0.848067284	3.88516E-06	0.004815885	0.000632733	0.001932433	0.00265892
2118 Oct	0.041230265	6.63592E-06	16.44647408	12.31708813	0.112801738	0.005209986	86.60112	0.00712246	0.005227071	0.00012598	0.002074934	0.000757551	0.849727809	3.88661E-06	0.004825803	0.000633596	0.001933456	0.002665611
2118 Nov	0.041242246	6.6399E-06	16.48042488	12.34137726	0.113025673	0.005221418	86.79486847	0.007136753	0.005225838	0.000125984	0.002079442	0.000759122	0.85152477	3.89002E-06	0.004836429	0.000634575	0.001935312	0.002672191
2118 Dec	0.041244484	6.64064E-06	16.48694229	12.34605694	0.113068469	0.005223592	86.83217621	0.007139498	0.005225785	0.000125988	0.002080302	0.000759424	0.851868153	3.89079E-06	0.004838454	0.000634766	0.001935716	0.002673411
2119 Jan	0.041244749	6.6407E-06	16.48722839	12.34626389	0.113070354	0.005223685	86.83377075	0.007139619	0.005225809	0.000125988	0.002080339	0.000759437	0.851883113	3.89084E-06	0.004838541	0.000634775	0.001935738	0.002673462
2119 Feb	0.04124511	6.64076E-06	16.48745918	12.34643364	0.113071918	0.00522376	86.8350296	0.007139718	0.005225848	0.000125989	0.002080369	0.000759447	0.851895154	3.89088E-06	0.004838611	0.000634783	0.001935759	0.002673502
2119 Mar	0.041247364	6.64112E-06	16.48836517	12.34711266	0.113078147	0.005224049	86.83982086	0.007140111	0.00522613	0.000125996	0.002080484	0.000759489	0.851942003	3.89109E-06	0.004838877	0.000634818	0.001935864	0.002673649
2119 Apr	0.041264877	6.64309E-06	16.49330139	12.35087681	0.113115765	0.005225617	86.86547089	0.007142255	0.00522747	0.000126044	0.00208111	0.000759716	0.852201104	3.8921E-06	0.004840332	0.000635038	0.00193638	0.0026745
2119 May	0.041360632	6.64741E-06	16.50148392	12.35777569	0.113226645	0.005228356	86.90029144	0.007145924	0.005225844	0.000126367	0.002082244	0.000760094	0.852688968	3.89112E-06	0.004842923	0.000635818	0.001936317	0.00267687
2119 Jun	0.041427441	6.65415E-06	16.51265335	12.36629391	0.11333511	0.005232046	86.94709778	0.007150816	0.005225349	0.000126616	0.002083756	0.000760611	0.853305936	3.89133E-06	0.004846417	0.000636513	0.001936808	0.002679724
2119 Jul	0.041514523	6.66741E-06	16.54483986	12.3903389	0.113564499	0.005242325	87.11341095	0.007164749	0.005233559	0.000126887	0.00208787	0.000762094	0.854982793	3.89791E-06	0.004855974	0.000637815	0.001940238	0.002685357
2119 Aug	0.041579895	6.67947E-06	16.57571983	12.41301918	0.113783434	0.005252343	87.2697525	0.00717801	0.005237959	0.000127086	0.002091863	0.000763515	0.856599689	3.90292E-06	0.004865321	0.000638972	0.001942903	0.002691269
2119 Sep	0.041604456	6.68517E-06	16.59939957	12.42993546	0.113951571	0.005260353	87.39434052	0.007188024	0.00523565	0.000127139	0.002095035	0.000764609	0.85786438	3.90444E-06	0.004872806	0.000639744	0.001943914	0.002696448
2119 Oct	0.041605636	6.68788E-06	16.61493683	12.44079971	0.11405611	0.005265723	87.47736359	0.007194521	0.005232824	0.000127104	0.002097135	0.000765325	0.858695865	3.90491E-06	0.00487781	0.000640163	0.001944292	0.002699997
2119 Nov	0.041609358	6.68968E-06	16.62914658	12.4508934	0.114150539	0.00527056	87.55728912	0.00720049	0.00523156	0.00012709	0.002099036	0.000765981	0.85945183	3.90596E-06	0.004882306	0.000640562	0.001944905	0.002702935
2119 Dec	0.041610897	6.68998E-06	16.63118744	12.45237064	0.114164159	0.00527124	87.56893158	0.007201354	0.005231618	0.000127093	0.002099304	0.000766076	0.859559536	3.90622E-06	0.004882937	0.000640625	0.001945041	0.002703317

Appendix D.2-26: WN01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.18	0.00016	0.000047	0.0000012	0.045	0.000024	0.015	1.2E-06	1.2E-06	6.1E-09	7.2E-06	3.4E-06	8.4E-06	8.8E-05	6.1E-09	7.0E-02	2.4E-08	8.5E-07	1.5E-06	2.3E-06
Operations (2020-2043): Mean	658	0.86	1.1	0.037	364	0.15	99	5.3E-04	5.3E-04	6.0E-06	1.1E-02	4.4E-03	2.4E-01	2.2E-02	6.4E-06	3.0E+01	5.5E-05	6.5E-04	4.8E-04	3.4E-03
Operations (2020-2043): Max	1447	2.1	2.7	0.091	891	0.23	155	7.4E-04	7.4E-04	7.0E-06	1.3E-02	6.3E-03	3.7E-01	3.1E-02	7.5E-06	3.8E+01	7.6E-05	8.9E-04	6.5E-04	4.9E-03
Active Closure (2044-2050): Min	56	0.036	0.042	0.0022	20	0.037	12	5.7E-04	5.7E-04	5.1E-06	3.6E-03	6.1E-04	2.5E-02	8.9E-03	5.1E-06	8.9E+00	9.9E-06	1.1E-04	1.2E-04	9.9E-04
Active Closure (2044-2050): Mean	112	0.10	0.12	0.0047	45	0.055	26	8.9E-04	8.9E-04	5.3E-06	4.7E-03	1.2E-03	6.0E-02	1.1E-02	5.4E-06	1.2E+01	1.7E-05	2.0E-04	1.8E-04	1.4E-03
Active Closure (2044-2050): Max	392	0.40	0.49	0.017	168	0.15	96	9.6E-04	9.6E-04	6.1E-06	1.1E-02	4.3E-03	2.3E-01	2.3E-02	6.4E-06	3.0E+01	5.5E-05	6.5E-04	5.0E-04	3.3E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2050)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-26: WN01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0.175691754	0.000155952	4.69076E-05	1.21838E-06	0.044592649	2.43676E-05	0.01522973	1.21838E-06	1.21838E-06	6.09189E-09	7.18843E-06	3.41146E-06	8.40681E-06	8.83324E-05	6.09189E-09	0.070056751	2.43676E-08	8.52865E-07	1.46205E-06	2.31492E-06
2026 Feb	0.839876056	0.000745514	0.000224237	5.82433E-06	0.213170514	0.000116487	0.072804131	5.82433E-06	5.82433E-06	2.91217E-08	3.43636E-05	1.63081E-05	4.01879E-05	0.000422264	2.91217E-08	0.334899038	1.16487E-07	4.07703E-06	6.9892E-06	1.10662E-05
2026 Mar	1.606598258	0.001426094	0.000428942	1.11414E-05	0.407773703	0.000222827	0.139266983	1.11414E-05	1.11414E-05	5.57068E-08	6.5734E-05	3.11958E-05	7.68754E-05	0.000807749	5.57068E-08	0.640628099	2.22827E-07	7.79895E-06	1.33696E-05	2.11686E-05
2026 Apr	2.315233469	0.002055113	0.000618139	1.60556E-05	0.587633669	0.000321111	0.200694576	1.60556E-05	1.60556E-05	8.02778E-08	9.47278E-05	4.49556E-05	0.000110783	0.001164029	8.02778E-08	0.923195064	3.21111E-07	1.12389E-05	1.92667E-05	3.05056E-05
2026 May	76.81258392	0.10385599	0.126840204	0.004336223	43.80879593	0.011918632	7.994645119	0.000100413	0.000100413	7.48997E-07	0.00116159	0.00047839	0.017986337	0.005602926	7.77172E-07	5.369437695	5.50246E-06	8.8522E-05	0.000102801	0.000352711
2026 Jun	957.1231689	1.348923087	1.73786819	0.059579011	582.119873	0.148920342	101.6984558	0.000539371	0.000539371	6.13865E-06	0.010964699	0.004447289	0.244460911	0.021684248	6.53136E-06	30.01675034	5.92475E-05	0.000680262	0.000507468	0.003408046
2026 Jul	1042.654541	1.475056529	1.908609152	0.065453954	638.130127	0.165394932	111.2021484	0.000515928	0.000515928	6.36528E-06	0.011144501	0.004740151	0.267911315	0.019504337	6.79722E-06	29.38936043	6.06912E-05	0.00068432	0.000480265	0.003662216
2026 Aug	1343.692383	1.917225957	2.475668192	0.084667832	827.3795776	0.211620733	144.0036774	0.000356028	0.000356028	6.6952E-06	0.011924904	0.005905027	0.345225155	0.022214673	7.25601E-06	35.65610504	6.94991E-05	0.000826429	0.000590102	0.004584379
2026 Sep	1446.675537	2.081159592	2.665380478	0.091089882	891.1333008	0.225625262	155.1661377	0.000299245	0.000299245	6.78898E-06	0.013055103	0.006273308	0.371437728	0.023352034	7.39288E-06	38.21933365	7.61439E-05	0.000892071	0.000632808	0.004899615
2026 Oct	880.5130615	1.285834551	1.585742235	0.054525372	534.8587036	0.152160645	94.33201599	0.000576653	0.000576653	6.02827E-06	0.011320297	0.004172472	0.225340188	0.020878004	6.38712E-06	29.19197273	5.17931E-05	0.000611151	0.000429606	0.00331798
2026 Nov	857.3739624	1.253185868	1.541449428	0.053027321	520.2598877	0.149251774	91.84304047	0.000590619	0.000590619	6.00996E-06	0.011259104	0.004088972	0.219375581	0.020811046	6.35874E-06	28.85283279	5.07934E-05	0.000600047	0.000421482	0.003254813
2026 Dec	851.243103	1.24452281	1.529742599	0.052631125	516.3978882	0.148469031	91.18367767	0.000593998	0.000593998	6.00356E-06	0.011240284	0.004066559	0.217795685	0.020787988	6.34969E-06	28.75825119	5.05245E-05	0.000597051	0.000419295	0.003237811
2027 Jan	847.7171021	1.239325762	1.522760987	0.052392684	514.1158447	0.147947341	90.79971313	0.000595903	0.000595903	5.99907E-06	0.01122319	0.00405599	0.216835335	0.020871827	6.34361E-06	28.77449036	5.03699E-05	0.000596126	0.000419895	0.003229103
2027 Feb	846.0082397	1.236624956	1.519151926	0.052267719	512.9550781	0.147636473	90.60946655	0.000596899	0.000596899	5.99671E-06	0.011210324	0.004052974	0.216324896	0.020998359	6.3404E-06	28.84512138	5.02963E-05	0.000596388	0.000421809	0.003225897
2027 Mar	845.4268188	1.235664725	1.517814279	0.052221257	512.5348511	0.147528112	90.54327393	0.000597686	0.000597686	5.99789E-06	0.011207934	0.004052998	0.216136292	0.021075739	6.34127E-06	28.89534569	5.0277E-05	0.000596775	0.000423022	0.003225478
2027 Apr	847.621521	1.238809586	1.521586895	0.052350812	513.8267212	0.147907183	90.7760849	0.00059992	0.00059992	6.01648E-06	0.011240063	0.004065123	0.216674596	0.021182852	6.36071E-06	29.01033783	5.04162E-05	0.00059878	0.000424978	0.003234878
2027 May	833.1430664	1.211695433	1.489305496	0.051221915	503.4232178	0.144215912	89.07009125	0.000616759	0.000616759	6.03389E-06	0.011118826	0.004059599	0.212001756	0.022974184	6.37049E-06	30.09956551	5.0198E-05	0.000609229	0.000456252	0.003211437
2027 Jun	753.0014038	1.056276083	1.359250784	0.046787858	455.6617432	0.121258698	79.71356964	0.000626921	0.000626921	5.82561E-06	0.010175793	0.003606203	0.193323627	0.017665843	6.13266E-06	24.27627754	5.07945E-05	0.000558563	0.000386588	0.002761638
2027 Jul	1055.205444	1.492323041	1.930639022	0.066226676	645.6782227	0.168638542	112.5734329	0.000539979	0.000539979	6.52918E-06	0.011281471	0.004821888	0.271068543	0.02005481	6.96611E-06	29.95595551	6.09324E-05	0.000690838	0.000487391	0.0037284
2027 Aug	1411.923828	2.018653631	2.602210999	0.088951282	869.708313	0.220966116	151.3150024	0.000324991	0.000324991	6.79153E-06	0.012387709	0.006149828	0.363054991	0.022789521	7.38104E-06	37.27991104	7.28393E-05	0.000873331	0.000615378	0.004767772
2027 Sep	1134.887329	1.642432213	2.069406271	0.070918255	694.6349487	0.185854316	121.6416397	0.00046911	0.00046911	6.45247E-06	0.012164517	0.005130528	0.291080028	0.022227176	6.92107E-06	33.49550247	6.2641E-05	0.00074138	0.000521891	0.00403548
2027 Oct	1135.661987	1.646763563	2.07258296	0.071004435	695.5148315	0.184859008	121.7735291	0.000439139	0.000439139	6.30938E-06	0.012141591	0.005107983	0.291075528	0.021899423	6.77876E-06	33.1843071	6.30608E-05	0.000736489	0.000521092	0.00402882
2027 Nov	1058.450439	1.537551522	1.925388575	0.06602072	646.9260254	0.17490235	113.4704666	0.000479064	0.000479064	6.21615E-06	0.011882942	0.004823367	0.271182448	0.021565283	6.65211E-06	31.95411682	5.96415E-05	0.000698295	0.000493256	0.003812529
2027 Dec	1052.287476	1.528838873	1.913627386	0.065622628	643.045166	0.174112871	112.8076706	0.000482391	0.000482391	6.20938E-06	0.011863388	0.004800775	0.269594461	0.021540899	6.64267E-06	31.85796356	5.93701E-05	0.00069527	0.000491048	0.003795377
2028 Jan	1049.696899	1.525055289	1.908541441	0.06544926	641.3791504	0.173740938	112.5263748	0.00048378	0.00048378	6.20614E-06	0.011851708	0.004792605	0.268897623	0.021585874	6.63827E-06	31.85775185	5.92562E-05	0.000694454	0.000491175	0.003788783
2028 Feb	1048.46521	1.523151398	1.905988097	0.065361254	640.5543213	0.173531637	112.3901825	0.000484522	0.000484522	6.20468E-06	0.011843796	0.004789986	0.268539965	0.021658119	6.63621E-06	31.89491081	5.92033E-05	0.000694487	0.000492188	0.003786273
2028 Mar	1047.858276	1.522207737	1.904714942	0.065317348	640.1443481	0.173428223	112.3228683	0.00048495	0.00048495	6.20423E-06	0.011840179	0.004788836	0.268361717	0.021698305	6.63547E-06	31.91673088	5.9178E-05	0.000694543	0.000492762	0.003785127
2028 Apr	1048.669189	1.52335155	1.90609467	0.065364532	640.618103	0.173560828	112.4085541	0.000485719	0.000485719	6.21079E-06	0.011851145	0.004793447	0.268556744	0.021744443	6.64233E-06	31.96384811	5.92288E-05	0.000695336	0.000493621	0.003788639
2028 May	1053.651489	1.530554891	1.915100336	0.065673217	643.6494141	0.174379334	112.941658	0.000488217	0.000488217	6.24112E-06	0.011907998	0.004816714	0.269825041	0.021864502	6.67471E-06	32.12821579	5.95137E-05	0.000698791	0.000496258	0.003806914
2028 Jun	798.4046021	1.126407981	1.446295619	0.049756099	484.6152649	0.128872201	84.71175385	0.00060389	0.00060389	5.88484E-06	0.010429398	0.003763701	0.205332667	0.01735162	6.21178E-06	24.71198463	5.23862E-05	0.000573968	0.00038877	0.002897493
2028 Jul	881.1097412	1.23903203	1.600659251	0.055061355	536.1981201	0.144932106	93.73326111	0.000642807	0.000642807	6.38643E-06	0.010661792	0.004178246	0.226403192	0.018968966	6.7484E-06	26.80960846	5.38121E-05	0.000605407	0.000422919	0.003223692
2028 Aug	1351.876221	1.927360654	2.487277746	0.085100442	831.4371948	0.213091299	144.7449646	0.000407997	0.000407997	6.97724E-06	0.012460034	0.005967596	0.347464085	0.022830918	7.54058E-06	36.34816742	7.15137E-05	0.000845224	0.000597927	0.00462618
2028 Sep	1309.015747	1.887700438	2.402626276	0.082193308	804.4343872	0.207744509	140.3636017	0.000370056	0.000370056	6.62027E-06	0.01266997	0.005763908	0.33592549	0.022779802	7.16453E-06	36.05555725	7.03623E-05	0.000824856	0.000583697	0.004515642
2028 Oct	667.5218506	0.984651625	1.179934144	0.040782917	400.8756104	0.124576971	71.43027496	0.000683514	0.000683514	5.75521E-06	0.010590102	0.003384391	0.170461074	0.019910133	6.02194E-06	25.75834465	4.23509E-05	0.00050531	0.00035255	0.002719185
2028 Nov	559.5526733	0.83190006	0.974135697	0.033814728	332.9375	0.110643111	59.819561	0.000739051	0.000739051	5.62344E-06	0.010224917	0.002986128	0.142645255	0.019437235	5.84345E-06	24.03324699	3.75618E-05	0.000451853	0.000313583	0.002416409
2028 Dec	557.4889526	0.828987002	0.970187068	0.033681169	331.6358337	0.110383071	59.59758377	0.000740281	0.000740281	5.62173E-06	0.010219301	0.002978666	0.142113358	0.019430976	5.84084E-06	24.00274658	3.74724E-05	0.00045086	0.000312856	0.002410761
2029 Jan	556.3946533	0.827335656	0.96797359	0.033605214	330.9162292	0.110208973	59.47754669	0.000740885	0.000740885	5.62029E-06	0.010213002	0.002975822	0.141805947	0.019474801	5.83889E-06	24.02078247	3.74246E-05	0.00045072	0.000313379	0.002408266
2029 Feb	555.8994751	0.826495588	0.966857195	0.03356605	330.5627136	0.110100619	59.42111969	0.000741196	0.000741196	5.61955E-06	0.010207821	0.00297561	0.141643912	0.019538492	5.83788E-06	24.06099701	3.74037E-05	0.00045102	0.000314444	0.002407655
2029 Mar	555.6759644	0.826106727	0.966329455	0.033547509	330.397644	0.110050753	59.39532089	0.000741427	0.000741427	5.61961E-06	0.010205846	0.002975742	0.141567424	0.019574787	5.83782E-06	24.08488274	3.73954E-05	0.00045122	0.00031505	0.002407522
2029 Apr	555.7947388	0.82625103	0.966456831	0.033551805	330.4499207	0.11007107	59.4069252	0.000741886	0.000741886	5.62213E-06	0.010209239	0.002977133	0.141586542	0.019604094	5.84036E-06	24.10912704	3.74072E-05	0.000451534	0.000315534	0.002408512
2029 May	565.2745972	0.838477075	0.983492494	0.034123138	336.1401978	0.111012481	60.3977623	0.000740395	0.000740395	5.64806E-06	0.010240597	0.003022629	0.143847927	0.020023765	5.87011E-06	24.53469658	3.79262E-05	0.000459833	0.000326039	0.002439701
2029 Jun	639.0582275	0.908558071	1.13053894	0.039069343	382.1686401	0.111407071	67.65641785	0.000728848	0.000728848	5.87935E-06	0.010245935	0.003278198	0.163021207	0.019804351	6.13437E-06	24.75967598	4.48648E-05	0.000515621	0.000371872	0.002546677
2029 Jul	985.6575317	1.393615842	1.802787066	0.061845399	602.8165894	0.156580985	105.0656052	0.000513624	0.000513624	6.14353E-06	0.010758935	0.004495576	0.253334075	0.01863917	6.55149E-06	27.97041321	5.81066E-05	0.000652286	0.000455179	0.003471312
2029 Aug	1326.554932	1.894612789	2.441252708	0.083497837	816.3120728	0.209695041	142.1325531	0.000363842	0.000363842	6.66561E-06	0.011910382	0.005833642	0.34108451	0.022214588	7.21859E-06	35.66075134	6.85778E-05	0.000826351	0.000583094	0.004522262
2029 Sep	1235.580444	1.784498572	2.261988878	0.077433877	758.1260376	0.198595062	132.4720001	0.000410941	0.000410941	6.54485E-06	0.012448115	0.005496387	0.317026883	0.022555942	7.05718E-06	34.99841309	6.70227E-05	0.000789891	0.00055752	0.004312666
2029 Oct	1064.165771	1.545710683	1.935702085	0.066375457	650.4000244	0.175899208	114.0809937	0.000483088	0.000483088	6.25672E-06	0.011949128	0.00485066	0.272655219	0.021698235	6.69501E-06	32.14226532	5.99482E-05	0.000702306	0.000495981	0.003833626
2029 Nov	977.6323853	1.423266053	1.77096343	0.060795605	595.9926758	0.164641321	104.7769089	0.000525173	0.000525173	6.1394E-06	0.0116404	0.004529305	0.250361383	0.02128181	6.5403E-06	30.72602844	5.60925E-05	0.00065905	0.000464522	0.003589218
2029 Dec	974.8694458	1.419361711	1.765687346	0.060617048	594.2521362	0.164288715	104.4797592	0.0005267	0.0005267	6.13654E-06	0.01163194	0.004519209	0.249649405	0.021271482	6.53624E-06	30.68345451	5.59713E-05	0.0006577	0.000463536	0.003581559
2030 Jan	973.3620605	1.417154074	1.762720823	0.060515866	593.2809448	0.164070174	104.3159409	0.000527506	0.000527506	6.13463E-06	0.011624962	0.004514521	0.24924244	0.021300465	6.53365E-06	30.68537521	5.5905E-05	0.000657248	0.000463664	0.003577753
2030 Feb	972.6842041	1.416095018	1.761297464	0.060466718	592.8226929	0.163952127	104.2406998	0.000527949	0.000527949	6.13395E-06	0.01162054	0.004513252	0.249042436	0.021346612	6.53264E-06	30.71057129	5.58764E-05	0.00065732	0.000464336	0.003576466
2030 Mar	972.4476929	1.415711522	1.760762572	0.0604482	592.6539307	0.163910195	104.2139359	0.000528262	0.000528262	6.13442E-06	0.011619713	0.004513174	0.248967528	0.021374611	6.53298E-06	30.72844887	5.58684E-05	0.000657449	0.000464765	0.003576252
2030 Apr	972.8770752	1.416314244	1.761479378	0.060472719	592.9016724	0.163981393	104.2591476	0.000528747	0.000528747	6.13824E-06	0.011625985	0.004515748	0.249069273	0.02140297	6.53697E-06	30.75646591	5.58963E-05	0.000657903	0.000465279	0.003578205
2030 May	977.3739014	1.422777772	1.769526362	0.060748689	595.617981	0.164723068	104.7388687	0.000531573	0.000531573	6.1683E-06	0.011680667	0.004537573	0.250205785	0.021534277	6.56884E-06	30.92253304	5.61632E-05	0.000661249	0.000468006	0.003595232
2030 Jun	772.0037842	1.089262128	1.393849015	0.047971576	467.5755615	0.125542119	81.86952209	0.000620025	0.000620025	5.86054E-06	0.010341776	0.003684646	0.198203519	0.017919458	6.1755E-06	24.81699181	5.11105E-05	0.000565658	0.00039024	0.002837159
2030 Jul	1144.641846	1.624946833	2.102786541	0.072025895	702.831665	0.181586668	122.4228745	0.000444421	0.000444421	6.39504E-06	0.01113785	0.00513713	0.293882221	0.02030219	6.87117E-06	31.25941086	6.25656E-05	0.000720406	0.000516064	0.003985334
2030 Aug	1280.956055	1.826943517	2.356677294	0.080634966	788.0504761	0.203619659	137.2578125	0.000383943	0.000383943	6.59805E-06	0.011576233	0.005671453	0.329161942	0.021849953	7.13185E-06	34.59007263	6.61789E-05	0.000794337	0.000566135	0.004401298
2030 Sep	1416.721924	2.034276962	2.608962536	0.089183621	872.3746338	0.221988589	151.910553	0.000321807	0.000321807	6.78934E-06	0.012779434	0.00616975	0.36391142	0.023164699	7.38042E-06	37.68070984	7.41349E-05	0.000876991	0.00062071	0.004808431
2030 Oct	1070.866211	1.554692507	1.948982596	0.066821374	654.7176514	0.176587552	114.8012543	0.000475109	0.000475109	6.24328E-06	0.011919915	0.00487139	0.274398535	0.02164048	6.68459E-06	32.16940689	6.01427E-05	0.000704686	0.000497782	0.003847948
2030 Nov	1019.220581	1.481753826	1.850789189	0.063493825	622.2747192	0.169792399	109.2505264	0.000498096	0.000498096	6.1629E-06	0.011729005	0.004677659	0.261087239	0.021365063	6.58192E-06	31.3010807	5.78491E-05	0.000678585	0.000478868	0.003700912
2030 Dec	1016.459473	1.477852106	1.845517635	0.063315414	620.5355225	0.169439644	108.9535828	0.000499612	0.000499612	6.15998E-06	0.011720477	0.004667561	0.260375738	0.021354573	6.57781E-06	31.25839233	5.77279E-05	0.000677234	0.000477882	0.00369325
2031 Jan	1014.963989	1.475665569	1.842577219	0.063215166	619.5726929	0.169224262	108.7911224	0.000500421	0.000500421	6.15814E-06	0.011713734	0.004662882	0.259972721	0.021381987	6.57529E-06	31.25934601	5.76623E-05	0.000676775	0.000477981	0.003689465
2031 Feb	1014.238708	1.474542975	1.841074467	0.06316334	619.0870972	0.169099972	108.7109146	0.000500839	0.000500839	6.15718E-06	0.011708898	0.004661333	0.2597619	0.021424657	6.57399E-06	31.28127289	5.7631E-05	0.000676795	0.000478584	0.003687977
2031 Mar	1013.929016	1.474055529	1.84041059	0.063140415	618.8746948	0.169046506	108.6763763	0.000501108	0.000501108	6.15718E-06	0.011707248	0.004660881	0.259668916	0.021449691	6.57383E-06	31.29583931	5.76188E-05	0.000676863	0.000478952	0.003687476
2031 Apr	1015.168091	1.4758358	1.842601895	0.063215517	619.6176147	0.169252038	108.8084106	0.000501961	0.000501961	6.16577E-06	0.011722652	0.004667131	0.259978473	0.021493895	6.58291E-06	31.34782982	5.76922E-05	0.000677847	0.000479831	0.003692339
2031 May	956.7973022	1.38013649	1.721895814	0.059063975	580.0002441	0.159963623	103.3488922	0.000533396	0.000533396	6.12183E-06	0.011388735	0.004552015	0.246027797	0.023923559	6.51603E-06	32.42931747	5.60681E-05	0.000678708	0.000515887	0.003575107
2031 Jun	734.9701538	1.0135777	1.273795247	0.043699235	431.1451111	0.126037017	83.85616302	0.000625276	0.000625276	5.8917E-06	0.01013046	0.004030125	0.19807525	0.028606923	6.20723E-06	33.17635345	5.08023E-05	0.000653644	0.000581142	0.003071626
2031 Jul	977.7564697	1.354206681	1.737408757	0.059524253	582.8441162	0.170227438	115.1828308	0.000493609	0.000493609	6.36083E-06	0.01113414	0.004995243	0.274982482	0.024451865	6.805E-06	33.6771698	6.12189E-05	0.000734488	0.000573596	0.003854956
2031 Aug	1147.75	1.599550009	2.059144974	0.070476972	689.0363159	0.203003332	137.1715851	0.000368661	0.000368661	6.51798E-06	0.011558956	0.005651464	0.329089135	0.021803973	7.05136E-06	34.67560577	6.61766E-05	0.000799027	0.000566504	0.004381554
2031 Sep	955.947998	1.352532625	1.695535898	0.058183141	570.1103516	0.175930008	114.1444016	0.00047993	0.00047993	6.24816E-06	0.011617105	0.004850751	0.27330637	0.021429436	6.68728E-06	31.95977211	5.88595E-05	0.000702767	0.000492976	0.003811777
2031 Oct	799.3466187	1.143290877	1.402182817	0.048259806	473.5845032	0.153105065	95.32492828	0.000565318	0.000565318	6.00758E-06	0.011310044	0.004200454	0.227707908	0.020818839	6.37053E-06	29.25113106	5.2158E-05	0.000614653	0.000432317	0.003339042
2031 Nov	793.8808594	1.135748625	1.392006159	0.047915306	470.2261047	0.152303174	94.66650391	0.000568158	0.000568158	5.99861E-06	0.01128686	0.004177587	0.226130635	0.020786922	6.35892E-06	29.14875221	5.18827E-05	0.000611568	0.000430074	0.003321617
2031 Dec	791.5621338	1.132557988	1.387668848	0.047768671	468.7972717	0.15197137	94.38694763	0.000569593	0.000569593	5.99591E-06	0.01127886	0.004168087	0.225460857	0.020777151	6.35509E-06	29.10865593	5.17686E-05	0.000610298	0.000429146	0.003314408
2032 Jan	790.3251343	1.130778313	1.38526392	0.047686562	468.0130005	0.15176712	94.23525238	0.000570357	0.000570357	5.9942E-06	0.011272306	0.004163864	0.225082353	0.020808225	6.35275E-06	29.11359024	5.17075E-05	0.000609915	0.000429342	0.003310948
2032 Feb	789.7301025	1.129854798	1.384023309	0.047643561	467.6156311	0.151645765	94.15997314	0.000570754	0.000570754	5.99329E-06	0.011267365	0.004162612	0.224881381	0.02085595	6.35151E-06	29.13982582	5.16783E-05	0.00061	0.000430054	0.003309651
2032 Mar	789.4905396	1.129472971	1.383496404	0.047625259	467.4494019	0.15159592	94.12906647	0.000571028	0.000571028	5.99343E-06	0.011265865	0.004162367	0.224796101	0.02088391	6.3515E-06	29.1570282	5.16679E-05	0.000610108	0.000430483	0.003309294
2032 Apr	789.9885864	1.130163789	1.384309888	0.047653168	467.7307739	0.151689425	94.18714905	0.000571637	0.000571637	5.99829E-06	0.011274038	0.00416556	0.224928424	0.020916149	6.35658E-06	29.18990517	5.17035E-05	0.000610657	0.000431066	0.003311741
2032 May	798.8573608	1.140785217	1.399050474	0.048148327	472.6359558	0.153242305	95.55222321	0.000569286	0.000569286	6.03329E-06	0.011333734	0.004221812	0.228123486	0.021255059	6.39692E-06	29.60595322	5.23647E-05	0.00061975	0.000440592	0.003352565
2032 Jun	584.4644775	0.784352064	0.996558487	0.034444101	335.5863953	0.115878232	74.52484894	0.000653598	0.000653598	5.76874E-06	0.010048123	0.003445194	0.180458099	0.018118192	6.05408E-06	24.06275749	4.82513E-05	0.000537195	0.000377108	0.002646856
2032 Jul	849.2200928	1.141643047	1.475205183	0.050656311	493.6521301	0.165878788	112.1632919	0.000484984	0.000484984	6.24535E-06	0.011069282	0.004750066	0.270101756	0.01932352	6.68126E-06	29.3861351	6.08936E-05	0.000686942	0.000482452	0.003671758
2032 Aug	962.9101563	1.307112455	1.673585653	0.057373717	561.2637329	0.192260057	127.8618011	0.00041787	0.00041787	6.43499E-06	0.011256916	0.005326844	0.307359397	0.021367956	6.93082E-06	33.47505569	6.20051E-05	0.000764779	0.000532114	0.004120316
2032 Sep	1005.459534	1.377975106	1.74789381	0.059887163	586.3383179	0.199374944	133.6733093	0.000385954	0.000385954	6.46993E-06	0.012032776	0.005520374	0.320403516	0.022072488	6.98797E-06	34.75587845	6.62399E-05	0.000792963	0.000556627	0.004307327
2032 Oct	973.7567749	1.343257666	1.688754201	0.057890255	567.1108398	0.194111183	129.4537506	0.000402661	0.000402661	6.39983E-06	0.012245797	0.005371881	0.309698194	0.022115078	6.90033E-06	34.2609024	6.57495E-05	0.000772177	0.000545589	0.00421983

Appendix D.2-26: WN01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2032 Nov	939.9464111	1.298886776	1.626966834	0.05580236	546.7952271	0.188617095	124.9043121	0.000423717	0.000423717	6.34419E-06	0.012138654	0.005215121	0.298732817	0.021948403	6.82633E-06	33.59495163	6.40083E-05	0.000751025	0.000530633	0.004103439
2032 Dec	901.0169678	1.247393727	1.556002617	0.053403176	523.4363403	0.182247654	119.666069	0.000446731	0.000446731	6.27444E-06	0.01198851	0.005033533	0.286134869	0.021723906	6.73549E-06	32.80179596	6.19301E-05	0.000726493	0.000513121	0.003967259
2033 Jan	897.5629883	1.24260509	1.549476504	0.053180851	521.3092651	0.181625113	119.1921997	0.000449089	0.000449089	6.26908E-06	0.011969568	0.005019649	0.284962654	0.021794936	6.72818E-06	32.79798889	6.17393E-05	0.000725075	0.000513239	0.003956119
2033 Feb	895.9615479	1.240230203	1.546248436	0.053069342	520.2752075	0.181280836	118.9648895	0.000450332	0.000450332	6.2667E-06	0.011956974	0.005015085	0.284368545	0.021908073	6.72481E-06	32.85454941	6.16513E-05	0.000725067	0.000514786	0.003951847
2033 Mar	895.4333496	1.239413023	1.545084238	0.053029004	519.9119263	0.181162953	118.8867798	0.00045118	0.00045118	6.26779E-06	0.011954698	0.005014521	0.284154266	0.021977948	6.72555E-06	32.89785385	6.16271E-05	0.00072534	0.000515823	0.003951034
2033 Apr	896.8031006	1.241259933	1.547304034	0.053104971	520.6749878	0.181433797	119.0640945	0.000452504	0.000452504	6.28011E-06	0.011975702	0.005023554	0.284562349	0.022058716	6.73851E-06	32.98386383	6.17283E-05	0.000726848	0.000517376	0.003957942
2033 May	674.1800537	0.907922447	1.118424177	0.038410436	380.1949463	0.137330905	89.79232025	0.000598267	0.000598267	5.95167E-06	0.010482157	0.004234286	0.211698681	0.028958745	6.28944E-06	34.37400055	5.15652E-05	0.00067116	0.000587587	0.003265052
2033 Jun	625.6397705	0.808348954	1.012087822	0.034713689	344.0481567	0.130253553	88.57358551	0.000592144	0.000592144	5.88499E-06	0.010089478	0.004230758	0.208592191	0.030503407	6.21865E-06	35.11236572	5.25905E-05	0.000689033	0.000631165	0.003210924
2033 Jul	799.3095703	1.042707443	1.330793262	0.045599364	447.9730835	0.169109717	115.9815216	0.000477381	0.000477381	6.29562E-06	0.011087815	0.005070887	0.275879443	0.026878549	6.7416E-06	35.63142014	6.19791E-05	0.000761678	0.000623404	0.003897792
2033 Aug	1032.6604	1.360272646	1.753246069	0.0599797	586.6213989	0.22008498	152.3824921	0.000310859	0.000310859	6.75709E-06	0.012373639	0.006214595	0.364641041	0.023898106	7.35072E-06	37.94007492	7.41919E-05	0.000880053	0.000645218	0.004819881
2033 Sep	705.3232422	0.95627296	1.16857326	0.040269893	395.2912292	0.163182482	103.4675751	0.000534374	0.000534374	6.14059E-06	0.011492705	0.004487703	0.247419834	0.02119559	6.53638E-06	30.51708412	5.51503E-05	0.000653807	0.000459539	0.003549034
2033 Oct	697.0669556	0.947869778	1.154565692	0.039786849	390.6278687	0.161185667	102.278511	0.000525084	0.000525084	6.05286E-06	0.011472181	0.004432616	0.244370833	0.020986561	6.44393E-06	30.18136787	5.49391E-05	0.000645467	0.000454889	0.00351456
2033 Nov	646.7741699	0.882840216	1.065053701	0.036766808	361.2253418	0.152145714	94.71547699	0.00056222	0.00056222	5.97165E-06	0.011242083	0.004174069	0.226251483	0.020694405	6.33227E-06	29.07181168	5.18315E-05	0.000610812	0.000429611	0.003318136
2033 Dec	646.1490479	0.882035732	1.063933849	0.036729094	360.8583984	0.152036384	94.62124634	0.000562769	0.000562769	5.97106E-06	0.011239923	0.004170927	0.226025686	0.020692203	6.3313E-06	29.05927277	5.17939E-05	0.000610395	0.000429306	0.003315761
2034 Jan	645.8025513	0.881562948	1.063284874	0.036706936	360.6483765	0.151964307	94.5675354	0.000563047	0.000563047	5.97049E-06	0.011237659	0.00416944	0.22589165	0.020703398	6.33051E-06	29.06117821	5.17724E-05	0.000610261	0.000429377	0.003314543
2034 Feb	645.6450806	0.881325662	1.062961221	0.036695652	360.5461731	0.151922733	94.54168701	0.000563194	0.000563194	5.97023E-06	0.011236021	0.004169031	0.225822449	0.020720389	6.33013E-06	29.07065582	5.17625E-05	0.000610296	0.000429631	0.003314112
2034 Mar	645.6077271	0.881262422	1.062864304	0.036692251	360.5175171	0.151911467	94.53468323	0.000563316	0.000563316	5.97053E-06	0.011235969	0.00416912	0.225801647	0.020731198	6.3304E-06	29.07799721	5.1761E-05	0.00061036	0.000429802	0.003314125
2034 Apr	646.24646	0.882127345	1.063895822	0.036727827	360.869751	0.152060375	94.62734222	0.000563961	0.000563961	5.97681E-06	0.011247428	0.004173433	0.226020649	0.020758551	6.33702E-06	29.11190796	5.1813E-05	0.000611021	0.000430338	0.003317521
2034 May	622.576355	0.842805147	1.015783429	0.0350582	345.2520142	0.146119907	91.32879639	0.000584569	0.000584569	5.95704E-06	0.011029947	0.004114363	0.217476174	0.022595046	6.30324E-06	30.03092384	5.09208E-05	0.000615157	0.00045947	0.003250756
2034 Jun	549.4882202	0.70380491	0.863291502	0.029731281	294.5967712	0.127678782	83.63071442	0.000618724	0.000618724	5.84993E-06	0.010188205	0.003994782	0.197588474	0.027733773	6.16443E-06	32.58298874	4.99536E-05	0.000640475	0.000559045	0.003066085
2034 Jul	668.8109741	0.851020575	1.075113893	0.036963001	362.9772339	0.158250213	105.7683945	0.000526281	0.000526281	6.18748E-06	0.010821396	0.004679161	0.252040654	0.024771988	6.59322E-06	32.85269928	5.74311E-05	0.000698227	0.000555973	0.00361345
2034 Aug	842.3486328	1.074948192	1.374761939	0.047133237	461.4408569	0.200295717	136.3850403	0.000391691	0.000391691	6.59631E-06	0.011867872	0.005674752	0.326494575	0.023638999	7.12549E-06	35.93526459	6.78297E-05	0.000815862	0.000599789	0.004396018
2034 Sep	699.7346802	0.918866336	1.125723124	0.038765706	380.4580994	0.174970582	113.5061264	0.000481689	0.000481689	6.2311E-06	0.011832878	0.004828587	0.271353096	0.021603597	6.66726E-06	31.98638916	5.94845E-05	0.000699297	0.000494083	0.003811662
2034 Oct	611.3896484	0.81012392	0.973537505	0.033631563	330.5144043	0.157058835	98.80397797	0.000542836	0.000542836	6.01889E-06	0.011372132	0.004314468	0.236046135	0.020863842	6.39596E-06	29.6818676	5.35202E-05	0.000629665	0.000443353	0.003424901
2034 Nov	599.0697021	0.794823945	0.952175081	0.032912496	323.5202332	0.154622704	96.74181366	0.00055372	0.00055372	6.0004E-06	0.011315562	0.004244662	0.231105149	0.020796752	6.36915E-06	29.39052963	5.26824E-05	0.000620346	0.000436544	0.003371976
2034 Dec	598.0844116	0.793603241	0.950461328	0.032854859	322.9598694	0.154430017	96.57666779	0.000554655	0.000554655	5.99923E-06	0.011311549	0.004239129	0.230709419	0.020792432	6.36731E-06	29.36813545	5.26161E-05	0.000619611	0.000436006	0.003367791
2035 Jan	597.5454712	0.79289186	0.949477613	0.032821268	322.6425476	0.154304773	96.48323059	0.000555132	0.000555132	5.99821E-06	0.011307588	0.004236521	0.230476499	0.020811159	6.3659E-06	29.37088966	5.25786E-05	0.000619372	0.000436117	0.003365658
2035 Feb	597.3078613	0.792541802	0.948995352	0.032804415	322.4915771	0.154233947	96.43894196	0.000555387	0.000555387	5.99778E-06	0.011304835	0.004235813	0.230358094	0.020839956	6.36527E-06	29.38690567	5.25617E-05	0.000619428	0.000436545	0.003364918
2035 Mar	597.215332	0.792400062	0.948791265	0.032797258	322.4292603	0.15420489	96.42076874	0.00055556	0.00055556	5.99791E-06	0.011304033	0.00423569	0.230307817	0.020856943	6.36533E-06	29.39745712	5.25558E-05	0.000619497	0.000436806	0.003364722
2035 Apr	597.8566284	0.79324013	0.949777603	0.0328313	322.7684937	0.154367551	96.5224762	0.000556304	0.000556304	6.00496E-06	0.011316713	0.004240541	0.230546817	0.020890845	6.37275E-06	29.43762016	5.26134E-05	0.000620257	0.000437461	0.003368521
2035 May	593.7111206	0.78353107	0.938941002	0.032445177	319.3373413	0.152983397	96.08334351	0.000564267	0.000564267	6.02545E-06	0.011274318	0.004255587	0.229172379	0.021912867	6.39103E-06	30.12596512	5.27092E-05	0.000628463	0.000456412	0.003369555
2035 Jun	483.4470825	0.588956177	0.73265779	0.025332736	249.2773132	0.124822587	82.25016022	0.000618336	0.000618336	5.82984E-06	0.010145706	0.003845249	0.196356252	0.02373478	6.14227E-06	29.27606583	5.04714E-05	0.00060962	0.000493	0.002944341
2035 Jul	572.1724243	0.696123242	0.883732796	0.030483358	298.2200928	0.149015635	99.95063019	0.000552069	0.000552069	6.13196E-06	0.010804744	0.004412172	0.239646181	0.022207662	6.51666E-06	30.20438766	5.70153E-05	0.000666282	0.000504586	0.003395885
2035 Aug	778.5664673	0.960127592	1.226637483	0.042083245	411.8018188	0.206055477	139.8377838	0.000351158	0.000351158	6.52167E-06	0.011768224	0.005731355	0.335729182	0.022009157	7.06546E-06	35.36194992	6.76176E-05	0.000820813	0.000576373	0.004437879
2035 Sep	560.326416	0.717010915	0.857065737	0.029671269	291.7226868	0.158518389	99.43224335	0.000557372	0.000557372	6.1135E-06	0.011335356	0.004352309	0.237860426	0.02103661	6.49307E-06	29.93899727	5.33074E-05	0.000636029	0.000445525	0.003442336
2035 Oct	562.7756958	0.723770618	0.860968351	0.029798754	293.0617981	0.158780649	99.92118835	0.000547544	0.000547544	6.08005E-06	0.011488661	0.004361949	0.238716811	0.021075722	6.46141E-06	29.99615097	5.4106E-05	0.00063654	0.000448204	0.003462403
2035 Nov	581.5340576	0.745758295	0.893014073	0.030870022	303.4526367	0.16267249	103.4316711	0.000522282	0.000522282	6.07904E-06	0.011530443	0.004474645	0.247131884	0.021078467	6.47469E-06	30.39275932	5.54485E-05	0.000651244	0.000459057	0.003546892
2035 Dec	579.1220703	0.742884755	0.888967216	0.030733991	302.1302795	0.162141263	102.9842606	0.000524573	0.000524573	6.07469E-06	0.011517597	0.004459435	0.246059909	0.021062747	6.46854E-06	30.32851028	5.52658E-05	0.00064921	0.000457572	0.00353535
2036 Jan	578.4545288	0.742038369	0.887786031	0.030693678	301.7505188	0.161969587	102.855423	0.00052522	0.00052522	6.07324E-06	0.011512178	0.004455773	0.245739654	0.021086214	6.46656E-06	30.33054733	5.52139E-05	0.000648861	0.000457683	0.003532373
2036 Feb	578.147522	0.74160409	0.887185037	0.030672662	301.5629272	0.161869153	102.7915039	0.000525559	0.000525559	6.0725E-06	0.011508222	0.004454608	0.245570615	0.021122802	6.46554E-06	30.34993362	5.5189E-05	0.000648899	0.000458211	0.003531223
2036 Mar	577.9835815	0.741371751	0.886862993	0.030661402	301.4625244	0.16181539	102.7572861	0.000525744	0.000525744	6.07211E-06	0.011506123	0.004453995	0.245480046	0.021142684	6.46501E-06	30.36053848	5.51757E-05	0.000648922	0.000458499	0.003530613
2036 Apr	579.9416504	0.743266225	0.889420271	0.030745123	302.3424683	0.162288502	103.1807022	0.000525274	0.000525274	6.08374E-06	0.011523769	0.004473691	0.24643366	0.021331113	6.47823E-06	30.55326271	5.5374E-05	0.000652368	0.000462874	0.003544794
2036 May	585.2943726	0.748054504	0.896072388	0.030962227	304.6466675	0.163575694	104.3619003	0.000525636	0.000525636	6.1243E-06	0.011580948	0.004531307	0.249085769	0.021926476	6.5232E-06	31.14267921	5.59753E-05	0.000662808	0.00047632	0.003585647
2036 Jun	459.8677368	0.550669968	0.680799544	0.023628369	231.2820282	0.130662829	84.87667084	0.000607914	0.000607914	5.88327E-06	0.010455437	0.00385338	0.203899011	0.020646201	6.20774E-06	27.35208893	5.12959E-05	0.000593385	0.000438296	0.002978523
2036 Jul	483.2765808	0.570033431	0.718315005	0.024901642	242.8032532	0.138646349	91.3861618	0.000575993	0.000575993	5.96333E-06	0.010546044	0.004049579	0.220074952	0.019604672	6.31514E-06	27.23336029	5.37027E-05	0.000610688	0.000438498	0.00312629
2036 Aug	498.0148315	0.587361813	0.741271019	0.025681259	250.4300842	0.143052757	94.47649384	0.00056981	0.00056981	6.03932E-06	0.010676228	0.00416474	0.227433652	0.019860718	6.40333E-06	27.80865097	5.47721E-05	0.000624606	0.000448506	0.003216604
2036 Sep	523.2321167	0.619077921	0.780604661	0.027005889	263.5421753	0.150536731	99.88025665	0.00054363	0.00054363	6.09525E-06	0.010872338	0.004350629	0.240247265	0.020150455	6.48058E-06	28.73471832	5.65337E-05	0.000647989	0.000464135	0.00336575
2036 Oct	524.2778931	0.624135911	0.780898988	0.027017878	263.9248047	0.152020082	100.3571396	0.000538171	0.000538171	6.08078E-06	0.010936158	0.004364883	0.241183087	0.020226987	6.46757E-06	28.91193962	5.63703E-05	0.000648053	0.000463266	0.00338736
2036 Nov	525.0737305	0.625852942	0.781890213	0.027051633	264.3085327	0.152473018	100.5747986	0.000536499	0.000536499	6.07926E-06	0.010953485	0.004371939	0.241661295	0.02024835	6.46683E-06	28.96701431	5.63853E-05	0.000648616	0.000463485	0.003394981
2036 Dec	524.8111572	0.625799298	0.781382084	0.02703464	264.1603699	0.152485251	100.5384598	0.000536387	0.000536387	6.07718E-06	0.010954845	0.004370484	0.241560951	0.020249233	6.46457E-06	28.96730423	5.6346E-05	0.000648297	0.000463194	0.00339456
2037 Jan	524.7138062	0.625686705	0.781211376	0.027028823	264.1063538	0.152459338	100.517807	0.000536499	0.000536499	6.07697E-06	0.010954131	0.004369913	0.241509184	0.02025358	6.46428E-06	28.96818924	5.63373E-05	0.000648242	0.000463215	0.00339411
2037 Feb	524.6766968	0.625637174	0.781135023	0.027026141	264.083374	0.152445927	100.5088806	0.000536563	0.000536563	6.07694E-06	0.010953702	0.004369794	0.24148497	0.020260157	6.46421E-06	28.97206688	5.63339E-05	0.000648259	0.000463311	0.003393986
2037 Mar	524.7307129	0.625698805	0.781204045	0.027028508	264.1082458	0.152460217	100.5182648	0.000536674	0.000536674	6.07779E-06	0.01095502	0.00437035	0.24150598	0.020266626	6.46509E-06	28.97829628	5.634E-05	0.00064836	0.000463429	0.003394399
2037 Apr	524.9353027	0.625941098	0.781502008	0.027038805	264.2098694	0.152518824	100.5568771	0.000536915	0.000536915	6.08028E-06	0.010959398	0.004372113	0.241597906	0.020277018	6.46773E-06	28.991436	5.63621E-05	0.000648632	0.00046365	0.003395758
2037 May	499.2012329	0.591151893	0.7340312	0.025398497	249.1078339	0.144781768	95.36322021	0.000563527	0.000563527	6.02105E-06	0.010700488	0.004247662	0.228354171	0.022129569	6.38656E-06	29.73510361	5.44553E-05	0.000643182	0.000486207	0.003285349
2037 Jun	486.7817993	0.56592536	0.702359676	0.02426598	238.9949188	0.142244846	94.88115692	0.000557773	0.000557773	5.96632E-06	0.010528242	0.004280506	0.226301625	0.024233187	6.32887E-06	31.21231842	5.44413E-05	0.000659857	0.000527375	0.003293229
2037 Jul	492.804657	0.571671367	0.711017489	0.024563961	241.7550659	0.144594073	96.5845108	0.000555567	0.000555567	6.01601E-06	0.010626067	0.004338315	0.230493248	0.024138659	6.38548E-06	31.34587097	5.51993E-05	0.000666383	0.000529141	0.003338629
2037 Aug	502.9707031	0.582900167	0.726064026	0.025074791	246.7058868	0.148025468	99.06129456	0.000549271	0.000549271	6.07101E-06	0.010742302	0.004426049	0.236453623	0.02422538	6.45035E-06	31.72328758	5.6149E-05	0.000677267	0.000535459	0.003407532
2037 Sep	509.6799622	0.590638101	0.735756159	0.025404114	249.9038086	0.150549889	100.8238068	0.000543166	0.000543166	6.102E-06	0.010827445	0.004485477	0.240701243	0.024220219	6.48837E-06	31.9511261	5.67819E-05	0.000684319	0.000538525	0.0034556
2037 Oct	508.4618225	0.590240657	0.73299551	0.025314387	249.026413	0.151226938	101.0143661	0.000539749	0.000539749	6.09138E-06	0.010853282	0.004484326	0.241169736	0.024005057	6.47848E-06	31.83613777	5.66947E-05	0.000682219	0.000533795	0.003460245
2037 Nov	507.8006287	0.589695394	0.731800318	0.025275081	248.6449432	0.151223212	100.9390106	0.000540057	0.000540057	6.09016E-06	0.010857054	0.004480812	0.240990937	0.023971517	6.47694E-06	31.80681992	5.6641E-05	0.000681448	0.000532705	0.003458525
2037 Dec	507.7828674	0.589682162	0.731765509	0.025273984	248.634552	0.151222453	100.9352493	0.000540151	0.000540151	6.09048E-06	0.010857623	0.004480743	0.240981892	0.023972347	6.47725E-06	31.80722427	5.66402E-05	0.00068144	0.000532693	0.003458493
2038 Jan	507.7537231	0.589649677	0.731715322	0.02527228	248.6187134	0.15121451	100.9287491	0.00054019	0.00054019	6.09044E-06	0.010857432	0.004480562	0.240965649	0.023973588	6.47718E-06	31.80741501	5.66375E-05	0.000681421	0.000532696	0.003458352
2038 Feb	507.741272	0.589633644	0.731690645	0.025271418	248.6112671	0.151209906	100.9256363	0.00054021	0.00054021	6.09042E-06	0.010857278	0.004480513	0.24095732	0.023975605	6.47714E-06	31.8085556	5.66363E-05	0.000681425	0.000532725	0.003458304
2038 Mar	507.7478333	0.589640379	0.731696367	0.025271608	248.6137238	0.151211351	100.9265747	0.000540236	0.000540236	6.09057E-06	0.010857479	0.004480603	0.240959078	0.02397733	6.4773E-06	31.81001091	5.66371E-05	0.000681445	0.000532754	0.003458368
2038 Apr	507.9290771	0.589850426	0.731955528	0.025280556	248.7020569	0.151265055	100.9624176	0.000540439	0.000540439	6.09278E-06	0.010861389	0.004482222	0.241044343	0.023986699	6.47965E-06	31.82196236	5.66573E-05	0.000681694	0.000532958	0.003459614
2038 May	503.8082581	0.583933771	0.723835051	0.024999939	246.1328125	0.150116339	100.2020874	0.000545956	0.000545956	6.09161E-06	0.01083173	0.004467626	0.239073187	0.024368163	6.4752E-06	32.01498413	5.64129E-05	0.000681949	0.000538117	0.003445667
2038 Jun	482.211792	0.551336765	0.681631744	0.023539908	232.4136047	0.145098254	97.15635681	0.00055574	0.00055574	6.02871E-06	0.01063158	0.004392047	0.231284901	0.025475668	6.39953E-06	32.44647217	5.5341E-05	0.000679392	0.000553567	0.003376087
2038 Jul	484.2181091	0.552905262	0.683969319	0.023624398	233.1739349	0.14602989	97.76774597	0.000560254	0.000560254	6.07259E-06	0.010706923	0.004417292	0.23281014	0.025515694	6.44584E-06	32.55700684	5.57314E-05	0.000682896	0.000554955	0.0033955
2038 Aug	491.4525757	0.560125291	0.693689406	0.023955481	236.366272	0.148942247	99.8269043	0.000556311	0.000556311	6.12472E-06	0.010811669	0.004490756	0.237783581	0.025582448	6.50618E-06	32.87110901	5.6526E-05	0.000692033	0.000559871	0.003453166
2038 Sep	495.7045898	0.564360678	0.698835909	0.024129838	238.0275421	0.151158288	101.3784866	0.000548756	0.000548756	6.14159E-06	0.01087837	0.004539435	0.24153772	0.025482366	6.52928E-06	32.99762344	5.70546E-05	0.00069723	0.000561039	0.003493497
2038 Oct	494.5693359	0.563194275	0.696216583	0.02404342	237.1650543	0.151583999	101.5229263	0.000546865	0.000546865	6.13727E-06	0.010895394	0.004539603	0.241905004	0.025338788	6.52555E-06	32.91939926	5.70301E-05	0.000696071	0.000558098	0.003496685
2038 Nov	494.5115356	0.563152909	0.696046531	0.024038063	237.112442	0.151627257	101.5350876	0.000547033	0.000547033	6.13849E-06	0.010899122	0.004539977	0.241935357	0.025334297	6.52681E-06	32.91902161	5.70333E-05	0.000696057	0.000557942	0.003497219
2038 Dec	494.4623413	0.56310463	0.695967615	0.024035458	237.0871887	0.15161638	101.5242081	0.000547114	0.000547114	6.1385E-06	0.010899093	0.004539617	0.241909355	0.025333866	6.52678E-06	32.91753769	5.70289E-05	0.000696006	0.000557897	0.003496961
2039 Jan	494.4394836	0.563079834	0.69592917	0.024034152	237.0750427	0.151609913	101.5189285	0.000547144	0.000547144	6.13846E-06	0.010898932	0.004539466	0.241896212	0.025334757	6.52671E-06	32.91759872	5.70267E-05	0.00069599	0.000557898	0.003496844
2039 Feb	494.4292603	0.563067019	0.69590956	0.024033464	237.0691223	0.151606008	101.5162811	0.000547159	0.000547159	6.13843E-06	0.010898791	0.004539418	0.241889179	0.025336282	6.52667E-06	32.91842651	5.70256E-05	0.000695991	0.000557919	0.003496799
2039 Mar	494.464325	0.563106298	0.695956111	0.024035068	237.0853729	0.15161635	101.5231934	0.000547212	0.000547212	6.13892E-06	0.010899611	0.004539765	0.241905242	0.025339199	6.52719E-06	32.92158508	5.70297E-05	0.000696049	0.000557976	0.003497063
2039 Apr	494.615448	0.563278019	0.696167171	0.024042353	237.1575012	0.151662454	101.5540466	0.000547387	0.000547387	6.14083E-06	0.010902968	0.004541167	0.241978541	0.025347579	6.52922E-06	32.93211365	5.70472E-05	0.000696267	0.000558157	0.00349814
2039 May	495.5009766	0.564205229	0.697329462	0.02408218	237.5521088	0.151964575	101.766655	0.000547991	0.000547991	6.15103E-06	0.010921807	0.004550229	0.242483422	0.025394103	6.54024E-06	32.99530411	5.71581E-05	0.000697636	0.000559287	0.003505108
2039 Jun	467.0055847	0.525216103	0.650811374	0.022520034	221.6671906	0.14586319	97.38312531	0.000561431	0.000561431	6.07351E-06	0.01074334	0.004367399	0.232570425	0.024083653	6.4462E-06	31.43335152	5.57464E-05	0.000671053	0.000528837	0.00336099
2039 Jul	458.0967102	0.50857538	0.632829368	0.02191372	215.317337	0.146437705	97.78417206	0.000552536	0.000552536	6.04887E-06	0.010674043	0.004359037	0.233820096	0.023263033	6.42383E-06	30.81365585	5.56568E-05	0.000664369	0.000516372	0.003356265
2039 Aug	453.9927979	0.501228392	0.624592304	0.021639699	212.5035248	0.147079408	97.88008881	0.000551957	0.000551957	6.05062E-06	0.010600407	0.004359565	0.234087855	0.023006065	6.4261E-06	30.59935951	5.52128E-05	0.000659604	0.000510963	0.003358764
2039 Sep	455.9530029	0.503020465	0.62657094	0.021706983	213.1636505	0.148193553	98.6421051	0.0005499	0.0005499	6.0667E-06	0.010643763	0.00438605	0.23591724	0.023027357	6.4452E-06	30.71836281	5.54973E-05	0.000662888	0.000512571	0.003380291

Appendix D.2-26: WN01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2039 Oct	456.0237122	0.50300771	0.626039565	0.021689033	212.9944611	0.148601472	98.88961792	0.000548297	0.000548297	6.06722E-06	0.010065916	0.004393143	0.23650673	0.02300111	6.44669E-06	30.73518944	5.55661E-05	0.000663488	0.000512373	0.003387045
2039 Nov	456.0594788	0.503057837	0.626072943	0.021690354	213.0081024	0.148620486	98.89725494	0.000548518	0.000548518	6.06855E-06	0.010661504	0.004393639	0.23652488	0.023005672	6.44804E-06	30.74011993	5.55725E-05	0.000663567	0.000512426	0.00338746
2039 Dec	456.0596313	0.503060937	0.626069784	0.021690289	213.0076141	0.148622006	98.89698792	0.000548567	0.000548567	6.06877E-06	0.010661884	0.004393672	0.23652418	0.023006432	6.44826E-06	30.74077225	5.5573E-05	0.000663573	0.00051243	0.003387493
2040 Jan	456.0493164	0.503050148	0.626052797	0.021689709	213.0022583	0.148618847	98.8944397	0.000548579	0.000548579	6.06874E-06	0.010661799	0.004393599	0.236517832	0.023006871	6.44822E-06	30.74080849	5.55719E-05	0.000663566	0.000512431	0.003387436
2040 Feb	456.0462036	0.503046274	0.626046181	0.021689473	213.000351	0.148617417	98.89348602	0.000548588	0.000548588	6.06875E-06	0.010661762	0.004393589	0.236515224	0.023007676	6.44822E-06	30.7413044	5.55716E-05	0.000663569	0.000512443	0.003387425
2040 Mar	456.078125	0.503081262	0.626088679	0.021690944	213.0150146	0.148627594	98.90026093	0.000548633	0.000548633	6.0692E-06	0.010662529	0.004393909	0.236531228	0.023009811	6.4487E-06	30.74383926	5.55755E-05	0.000663619	0.000512487	0.003387669
2040 Apr	456.1957092	0.503210843	0.626249433	0.021696512	213.0697937	0.148665801	98.92567444	0.000548778	0.000548778	6.07078E-06	0.010665289	0.004395048	0.236591905	0.023016034	6.45037E-06	30.75197792	5.55898E-05	0.000663792	0.000512624	0.003388546
2040 May	455.2572021	0.501869559	0.624298096	0.021629237	212.4682465	0.148380354	98.72897339	0.000551074	0.000551074	6.07458E-06	0.010663804	0.004392586	0.236074001	0.023150209	6.4533E-06	30.83021355	5.55431E-05	0.00066422	0.000514482	0.003385857
2040 Jun	436.1575928	0.475394666	0.589477003	0.020432433	201.122345	0.143502951	95.51226807	0.00056247	0.00056247	6.01577E-06	0.01049938	0.004298911	0.228081152	0.023774806	6.38127E-06	30.89358902	5.44171E-05	0.000657071	0.000520045	0.003306146
2040 Jul	437.968689	0.475786656	0.590531766	0.020468535	201.4061127	0.144885197	96.55471039	0.000559922	0.000559922	6.04005E-06	0.010557299	0.004333806	0.230630919	0.023736248	6.40979E-06	30.99243927	5.48903E-05	0.000661339	0.000521636	0.003333534
2040 Aug	440.7790527	0.477884591	0.593458176	0.020567911	202.3573761	0.146399632	97.63103485	0.000557755	0.000557755	6.06673E-06	0.010610058	0.004372561	0.233218223	0.023782318	6.44075E-06	31.16179657	5.53025E-05	0.000666062	0.000524437	0.003364047
2040 Sep	442.0242004	0.478451312	0.594121575	0.020590002	202.564621	0.147448108	98.35218048	0.000554927	0.000554927	6.07783E-06	0.010638443	0.004396415	0.234965652	0.023767106	6.45472E-06	31.24741745	5.55294E-05	0.000668861	0.000525437	0.003383143
2040 Oct	441.5634766	0.477919668	0.593007922	0.020553103	202.208313	0.14756605	98.38043976	0.000555089	0.000555089	6.07946E-06	0.010647916	0.004396975	0.23503311	0.023751955	6.45645E-06	31.24456024	5.55288E-05	0.000668738	0.000524929	0.003384423
2040 Nov	441.5636902	0.477925271	0.592957973	0.020551629	202.1948242	0.147592768	98.39052582	0.000555284	0.000555284	6.08073E-06	0.010650668	0.004397492	0.235057116	0.023754813	6.45776E-06	31.24879837	5.55349E-05	0.000668804	0.000524943	0.003384911
2040 Dec	441.556488	0.477920085	0.592945337	0.020551229	202.1910248	0.14759165	98.3886261	0.000555318	0.000555318	6.08083E-06	0.010650829	0.004397447	0.235052556	0.02375509	6.45785E-06	31.24885368	5.55344E-05	0.000668798	0.000524937	0.003384884
2041 Jan	441.5503845	0.477914125	0.592934668	0.020550869	202.1877899	0.147589773	98.38698578	0.000555333	0.000555333	6.08085E-06	0.010650819	0.00439741	0.235048398	0.023755614	6.45785E-06	31.24907303	5.55337E-05	0.000668796	0.000524941	0.003384854
2041 Feb	441.5494385	0.477912724	0.59293133	0.020550752	202.1869659	0.147589087	98.38652039	0.000555342	0.000555342	6.08087E-06	0.010650828	0.004397418	0.235046968	0.023756413	6.45788E-06	31.24962616	5.55337E-05	0.0006688	0.000524953	0.003384857
2041 Mar	441.572052	0.477936983	0.592960656	0.020551763	202.197113	0.147596434	98.39141083	0.000555377	0.000555377	6.08121E-06	0.010651392	0.004397653	0.235058516	0.023758091	6.45823E-06	31.25156403	5.55365E-05	0.000668838	0.000524988	0.003385036
2041 Apr	441.6513062	0.478022665	0.593066394	0.020555427	202.2332916	0.147622824	98.40899658	0.00055548	0.00055548	6.08231E-06	0.010653313	0.004398448	0.235100403	0.023762619	6.4594E-06	31.25736427	5.55465E-05	0.00066896	0.000525086	0.003385647
2041 May	441.9431763	0.478244305	0.593317747	0.020563984	202.3247833	0.147750512	98.50041199	0.000555937	0.000555937	6.0876E-06	0.010662411	0.004402829	0.235312685	0.023797892	6.46503E-06	31.2962265	5.55983E-05	0.000669692	0.000525829	0.003388944
2041 Jun	425.9733276	0.457017243	0.567425132	0.019693941	193.5395966	0.144079357	95.84905243	0.000565056	0.000565056	6.04442E-06	0.010566242	0.004296592	0.22924535	0.023171887	6.41172E-06	30.48577309	5.47581E-05	0.000655028	0.000510056	0.003305184
2041 Jul	419.5351868	0.44533971	0.55394733	0.019236356	188.8517303	0.144219562	96.06780243	0.000559483	0.000559483	6.02739E-06	0.010551918	0.004290557	0.229945838	0.022736326	6.39593E-06	30.16863441	5.48646E-05	0.000652578	0.000503913	0.003300941
2041 Aug	421.6395569	0.446893513	0.556008279	0.019307287	189.5379333	0.145363808	96.85575104	0.00055961	0.00055961	6.0552E-06	0.01060202	0.004320899	0.231836468	0.022812901	6.42684E-06	30.32738686	5.51936E-05	0.000656506	0.000506506	0.003324678
2041 Sep	422.9822998	0.447637022	0.556882262	0.019336294	189.8213043	0.146326169	97.53993988	0.000557437	0.000557437	6.06812E-06	0.010634863	0.004344699	0.233478978	0.022835592	6.44247E-06	30.43424416	5.54462E-05	0.000659506	0.000508168	0.003343632
2041 Oct	422.8037109	0.44716692	0.555882812	0.019302297	189.4951782	0.146667078	97.74999237	0.000556208	0.000556208	6.06919E-06	0.010647471	0.004351028	0.233977601	0.022821236	6.44437E-06	30.45383644	5.55061E-05	0.000660085	0.000508153	0.003349488
2041 Nov	422.7868042	0.447153717	0.555795312	0.019299591	189.4701691	0.146693677	97.75798798	0.000556459	0.000556459	6.07066E-06	0.010650559	0.004351523	0.233996272	0.022825148	6.44586E-06	30.45877075	5.55116E-05	0.00066015	0.000508169	0.003349973
2041 Dec	422.7875061	0.447156996	0.555793583	0.019299567	189.4700623	0.146695107	97.75786591	0.0005565	0.0005565	6.07085E-06	0.010650888	0.004351556	0.233995944	0.022825809	6.44605E-06	30.45934868	5.5512E-05	0.000660156	0.000508172	0.003350004
2042 Jan	422.7843323	0.447154254	0.555787146	0.019299351	189.4682312	0.146694139	97.7568512	0.000556516	0.000556516	6.0709E-06	0.010650933	0.004351543	0.233993277	0.022826429	6.44609E-06	30.4597187	5.55117E-05	0.000660157	0.000508179	0.003349994
2042 Feb	422.7819519	0.447151452	0.555782199	0.019299176	189.4668274	0.146692932	97.75605011	0.000556523	0.000556523	6.0709E-06	0.0106509	0.004351535	0.233991086	0.022827091	6.44609E-06	30.46012497	5.55114E-05	0.00066016	0.000508189	0.003349985
2042 Mar	422.796051	0.447166204	0.555799663	0.019299781	189.4729614	0.146697626	97.7591629	0.000556547	0.000556547	6.07112E-06	0.010651271	0.004351689	0.233998388	0.022828283	6.44632E-06	30.46145248	5.55133E-05	0.000660185	0.000508212	0.003350101
2042 Apr	422.9638062	0.447343498	0.556019664	0.019307418	189.5480347	0.14675571	97.79786682	0.000556771	0.000556771	6.07354E-06	0.010655506	0.00435342	0.234090954	0.022837585	6.44889E-06	30.47371674	5.55353E-05	0.000660448	0.000508418	0.003351433
2042 May	423.2686462	0.447538525	0.556190372	0.019313328	189.6220703	0.146890908	97.89076233	0.000557866	0.000557866	6.0819E-06	0.010668568	0.004358907	0.234300077	0.02290147	6.45758E-06	30.53506851	5.55991E-05	0.000661469	0.000509605	0.003355467
2042 Jun	413.7653809	0.434306681	0.539969444	0.018765649	184.1287842	0.144970939	96.5456543	0.000561514	0.000561514	6.05521E-06	0.010613825	0.004304345	0.231218547	0.022580694	6.42577E-06	30.11974335	5.51761E-05	0.000654049	0.000501772	0.003312245
2042 Jul	408.6736755	0.425740272	0.529791534	0.01842184	180.6451569	0.14481461	96.42251587	0.000560937	0.000560937	6.04963E-06	0.010596714	0.004294324	0.231016412	0.022348965	6.41987E-06	29.91817474	5.51088E-05	0.000651469	0.000497694	0.003304766
2042 Aug	405.6233215	0.420317024	0.522881448	0.018186402	178.3298492	0.145319253	96.63693237	0.000556959	0.000556959	6.0377E-06	0.010556827	0.004297282	0.231565788	0.022212785	6.40885E-06	29.84874344	5.49032E-05	0.000650387	0.000495317	0.003307672
2042 Sep	403.6947937	0.41734916	0.518665433	0.01804366	176.944046	0.145522013	96.66096497	0.00055589	0.00055589	6.03315E-06	0.010543741	0.004296084	0.231645674	0.022150772	6.4044E-06	29.81752968	5.47709E-05	0.000649723	0.000493774	0.003307325
2042 Oct	402.6393738	0.415971428	0.516368747	0.017965522	176.1913147	0.145603582	96.6736145	0.000554656	0.000554656	6.02732E-06	0.010544164	0.004294806	0.231667757	0.022115586	6.39861E-06	29.79701996	5.47357E-05	0.000649219	0.000492986	0.003307457
2042 Nov	402.7606812	0.416100144	0.516499758	0.017970223	176.2380981	0.145659104	96.70631409	0.000554956	0.000554956	6.0299E-06	0.010548822	0.00429635	0.231745884	0.022124648	6.40131E-06	29.80867577	5.47552E-05	0.000649452	0.000493153	0.003308684
2042 Dec	402.7693787	0.416110873	0.516509056	0.017970575	176.2416382	0.145663023	96.70819092	0.000554995	0.000554995	6.03015E-06	0.01054926	0.00429646	0.231750369	0.022125548	6.40157E-06	29.80967331	5.47566E-05	0.000649469	0.000493166	0.003308772
2043 Jan	402.7666321	0.416108519	0.516504049	0.017970406	176.2401733	0.145662099	96.7073288	0.000555006	0.000555006	6.03017E-06	0.010549271	0.004296444	0.231748134	0.022125937	6.40158E-06	29.8098793	5.47563E-05	0.000649469	0.000493169	0.00330876
2043 Feb	402.7659302	0.416107625	0.516501963	0.017970329	176.2396545	0.145661578	96.70697784	0.000555011	0.000555011	6.03019E-06	0.010549271	0.004296447	0.231747106	0.022126436	6.4016E-06	29.81021881	5.47562E-05	0.000649471	0.000493177	0.00330876
2043 Mar	402.7763672	0.416118294	0.516514719	0.017970771	176.2440948	0.145665213	96.70938873	0.000555029	0.000555029	6.03036E-06	0.010549555	0.004296564	0.231752768	0.022127304	6.40177E-06	29.811203	5.47577E-05	0.00064949	0.000493194	0.003308849
2043 Apr	403.027832	0.416378051	0.516836762	0.017981976	176.3540649	0.145756066	96.76970673	0.000555378	0.000555378	6.03413E-06	0.010556147	0.00429925	0.231897265	0.022141285	6.40578E-06	29.82993698	5.47918E-05	0.000649897	0.000493505	0.003310916
2043 May	403.4918518	0.416699976	0.517115474	0.017991804	176.4755096	0.14594841	96.89689636	0.000557354	0.000557354	6.04786E-06	0.01057713	0.004307379	0.232181489	0.022243345	6.41995E-06	29.92548561	5.48876E-05	0.000651448	0.000495336	0.003316863
2043 Jun	392.6564026	0.402361661	0.498083174	0.017337419	170.2849121	0.142916366	94.86312103	0.00056341	0.00056341	6.00519E-06	0.010467409	0.004245894	0.22713612	0.022568602	6.36895E-06	29.91196823	5.413E-05	0.000646019	0.000497545	0.0032656
2043 Jul	393.3835144	0.401829988	0.497607976	0.017323611	170.1148224	0.143854305	95.49250031	0.000565247	0.000565247	6.03621E-06	0.010519353	0.004270854	0.22866559	0.022617258	6.40247E-06	30.02694893	5.44365E-05	0.000649143	0.000499286	0.003285107
2043 Aug	394.9916687	0.402558327	0.498500645	0.017355433	170.4235229	0.145032644	96.27302551	0.000566224	0.000566224	6.06786E-06	0.010573605	0.004301584	0.230545864	0.022704188	6.43717E-06	30.19729042	5.47576E-05	0.000653238	0.000501853	0.003309042
2043 Sep	394.9310303	0.401656955	0.497224212	0.017311785	169.9976501	0.145616606	96.65570068	0.000564774	0.000564774	6.07392E-06	0.010587335	0.004314342	0.231473088	0.022698205	6.44476E-06	30.24633598	5.48584E-05	0.000654708	0.000502324	0.003319288
2043 Oct	393.1581116	0.399781764	0.494088113	0.01720652	168.9821777	0.145392045	96.40262604	0.000565332	0.000565332	6.06764E-06	0.010583127	0.004304364	0.230860725	0.022657767	6.43744E-06	30.19114304	5.47226E-05	0.000653062	0.000500679	0.003312806
2043 Nov	391.2441101	0.397951335	0.491071671	0.017105563	168.0080261	0.144969329	96.00709534	0.000566495	0.000566495	6.05944E-06	0.0105717	0.004289595	0.22990866	0.022614799	6.42764E-06	30.11553192	5.45325E-05	0.000650834	0.000498716	0.00330239
2043 Dec	391.2396851	0.39795053	0.491062462	0.017105291	168.0055695	0.144969285	96.0055542	0.000566546	0.000566546	6.05963E-06	0.010572017	0.00428958	0.229904905	0.02261542	6.42782E-06	30.11592484	5.45324E-05	0.000650834	0.000498714	0.003302387
2044 Jan	391.2366943	0.397948265	0.491056412	0.017105091	168.0039063	0.144968256	96.00448608	0.000566563	0.000566563	6.05968E-06	0.010572067	0.004289567	0.229902133	0.022616088	6.42787E-06	30.1163311	5.45321E-05	0.000650835	0.000498721	0.003302377
2044 Feb	391.2533264	0.397964925	0.491075397	0.017105747	168.0107117	0.144973978	96.008255	0.000566598	0.000566598	6.05997E-06	0.010572543	0.004289766	0.229910865	0.022617901	6.42817E-06	30.1182251	5.45344E-05	0.000650869	0.000498756	0.003302526
2044 Mar	391.2926941	0.39800483	0.491123825	0.017107429	168.0274353	0.144988328	96.0177536	0.000566661	0.000566661	6.0606E-06	0.010573622	0.004290206	0.229933441	0.022620635	6.42884E-06	30.12158966	5.45399E-05	0.000650938	0.000498814	0.003302863
2044 Apr	391.3935242	0.39810732	0.49124977	0.017111817	168.0706329	0.145025551	96.04240417	0.00056681	0.00056681	6.06218E-06	0.010576353	0.004291316	0.22999236	0.022626719	6.43051E-06	30.12953568	5.4554E-05	0.000651107	0.000498946	0.003303717
2044 May	392.078949	0.398780286	0.492070109	0.017140383	168.3535614	0.1452865	96.21617889	0.000567884	0.000567884	6.07336E-06	0.010595698	0.004299246	0.230406538	0.022673232	6.44235E-06	30.18828773	5.46538E-05	0.000652336	0.000499946	0.003309795
2044 Jun	342.8738708	0.343541801	0.423690766	0.014860292	145.6730194	0.130178601	84.65328217	0.000615665	0.000615665	5.91236E-06	0.009648588	0.00380148	0.202353433	0.020759702	6.23573E-06	27.24812508	4.87652E-05	0.000585095	0.000446206	0.002991532
2044 Jul	262.1064148	0.256842583	0.316590279	0.011314386	110.3201065	0.104295038	64.35124969	0.000713106	0.000713106	5.69519E-06	0.007893017	0.00291111	0.152832106	0.017305177	5.93819E-06	22.01854897	3.79105E-05	0.000464227	0.000349266	0.002446749
2044 Aug	200.9674683	0.191727102	0.236022428	0.00865043	83.87467957	0.084306203	48.67739487	0.000790799	0.000790799	5.53679E-06	0.006579478	0.002221974	0.114622258	0.014759722	5.71738E-06	18.0722332	2.946E-05	0.000360158	0.000279857	0.002012119
2044 Sep	165.9476776	0.153895929	0.189017519	0.007092024	68.53120422	0.072913118	39.8361969	0.00083079	0.00083079	5.42651E-06	0.00585032	0.001827411	0.093100958	0.013332792	5.57171E-06	15.86001778	2.46154E-05	0.000290797	0.000243822	0.001755823
2044 Oct	153.0254669	0.14002195	0.171651244	0.006516365	62.87614822	0.068660006	36.53230667	0.00084702	0.00084702	5.38512E-06	0.005575994	0.001679697	0.085033342	0.012811029	5.51709E-06	15.0477066	2.28243E-05	0.000265086	0.000230229	0.00166416
2044 Nov	153.0541382	0.140061185	0.17165044	0.006516363	62.87778854	0.068686306	36.54644394	0.00084713	0.00084713	5.38563E-06	0.005578858	0.001680484	0.085067995	0.012815479	5.51766E-06	15.05347252	2.28334E-05	0.000265201	0.000230287	0.001664659
2044 Dec	153.0559998	0.140063584	0.171651959	0.00651643	62.87846756	0.068687372	36.54681015	0.00084731	0.00084731	5.38573E-06	0.005578996	0.001680511	0.085068852	0.012815771	5.51776E-06	15.05377007	2.28338E-05	0.000265205	0.000230291	0.001664684
2045 Jan	153.0556183	0.140063465	0.17165111	0.006516399	62.87824249	0.068687193	36.54664993	0.00084732	0.00084732	5.38573E-06	0.005579007	0.001680511	0.085068427	0.01281592	5.51775E-06	15.05386925	2.28337E-05	0.000265206	0.000230293	0.001664683
2045 Feb	153.0556641	0.140063494	0.171650782	0.006516385	62.8781929	0.068687074	36.54659653	0.00084732	0.00084732	5.38573E-06	0.005579011	0.001680515	0.085068233	0.012816105	5.51776E-06	15.05400276	2.28337E-05	0.000265208	0.000230296	0.001664684
2045 Mar	153.0616302	0.140068933	0.171657264	0.00651663	62.88059616	0.068689674	36.54798126	0.00084766	0.00084766	5.38594E-06	0.005579229	0.001680583	0.085071422	0.012818126	5.51797E-06	15.05465889	2.28346E-05	0.000265219	0.000230306	0.001664749
2045 Apr	153.082962	0.140088484	0.171681076	0.006517535	62.88935089	0.068699218	36.55305862	0.00084884	0.00084884	5.38669E-06	0.005580008	0.001680818	0.085083224	0.012818546	5.51874E-06	15.05679893	2.28378E-05	0.000265256	0.000230339	0.001664982
2045 May	153.2212219	0.14021498	0.171836078	0.006523419	62.94613266	0.068761244	36.58605957	0.00084648	0.00084648	5.39156E-06	0.005585048	0.001682337	0.085160024	0.012830148	5.52372E-06	15.0704155	2.28584E-05	0.000265496	0.000230548	0.001666486
2045 Jun	147.8946228	0.134118408	0.164351642	0.006272867	60.41845703	0.067168429	35.38889694	0.00085021	0.00085021	5.37033E-06	0.005497492	0.001632935	0.082300514	0.012601542	5.49786E-06	14.74273968	2.23223E-05	0.000260418	0.00022392	0.001633656
2045 Jul	134.394516	0.119655266	0.146534368	0.005683055	54.49369049	0.062876403	32.00615311	0.000867026	0.000867026	5.33636E-06	0.00520278	0.001487256	0.074052915	0.012015116	5.4506E-06	13.86228371	2.05611E-05	0.000244253	0.000206415	0.001546963
2045 Aug	120.1939774	0.1046312	0.127985343	0.005070628	48.40620804	0.058216255	28.33568192	0.000885955	0.000885955	5.30289E-06	0.004891928	0.001325873	0.065096632	0.011421275	5.40252E-06	12.93757439	1.85649E-05	0.000220326	0.000190137	0.001445157
2045 Sep	109.669899	0.093305029	0.113949038	0.00460581	43.85209274	0.054706067	25.62469482	0.000898577	0.000898577	5.27035E-06	0.004671623	0.001203765	0.058493305	0.011000011	5.35906E-06	12.27117443	1.70649E-05	0.000196938	0.000180041	0.001364586
2045 Oct	105.1398087	0.088444322	0.107923284	0.004406537	41.90436172	0.053158212	24.42757416	0.00090435	0.00090435	5.25699E-06	0.004571339	0.001149546	0.055562772	0.01081922	5.34088E-06	11.9839077	1.64098E-05	0.000186755	0.000175499	0.001331468
2045 Nov	105.1503601	0.088453703	0.107933767	0.00440697	41.90851212	0.053163685	24.42997551	0.000904445	0.000904445	5.25753E-06	0.004571843	0.001149666	0.055568233	0.010820392	5.34143E-06	11.98518276	1.64115E-05	0.000186775	0.000175517	0.001331604
2045 Dec	105.1524963	0.088455766	0.107935771	0.004407056	41.90933228	0.05316484	24.43044472	0.000904465	0.000904465	5.25765E-06	0.004571961	0.001149691	0.055569302	0.010820659	5.34155E-06	11.985466	1.64119E-05	0.000186779	0.000175521	0.001331633
2046 Jan	105.1528397	0.088456161	0.107935973	0.004407065	41.90944672	0.053164996	24.43050003	0.000904469	0.000904469	5.25767E-06	0.004571984	0.001149697	0.055569407	0.010820758	5.34157E-06	11.98555374	1.64119E-05	0.00018678	0.000175522	0.001331638
2046 Feb	105.1533661	0.088456608	0.107936397	0.004407081	41.90962982	0.053165205	24.43059731	0.000904473	0.000904473	5.25769E-06	0.004572006	0.001149704	0.055569608	0.010820876	5.34159E-06	11.98565865	1.6412E-05	0.000186781	0.000175524	0.001331644
2046 Mar	105.1584244	0.08846087	0.107941516	0.004407289	41.91163635	0.053167731	24.43175888	0.000904516	0.000904516	5.25794E-06	0.004572226	0.00114976	0.055572238	0.010821432	5.34185E-06	11.98626041	1.64128E-05	0.000186791	0.000175533	0.001331709
2046 Apr	105.180069	0.088479079	0.107963696	0.004408195	41.92025375	0.053178653	24.43678093	0.000904702	0.000904702	5.25902E-06	0.004573167	0.001149997	0.055583652	0.010823679	5.34295E-06	11.98874187	1.64162E-05	0.000186829	0.000175569	0.001331983
2046 May	105.2616577	0.088543572	0.108037867	0.004411134	41.94935226	0.053218719	24.45760918	0.000905275	0.000905275	5.26253E-06	0.004576702	0.001151048	0.055631161	0.010833988	5.34652E-06	11.99966145	1.64302E-05	0.000187007	0.000175748	0.001333019
2046 Jun	103.4602127	0.086289026	0.105245642	0.004315555	40.98264313	0.052724585	24.12563133	0.000904755	0.000904755	5.24914E-06	0.00456082	0.001139634	0.054868516	0.01077177	5.3319E-06	11.90930557	1.63388E-05	0.00018681	0.0001737	0.001323348
2046 Jul	98.2336731	0.080516875	0.098161891	0.004078923	38.58950806	0.051158223	22.91584587	0.000908746	0.000908746	5.22813E-06	0.004448777	0.00108817	0.051932793	0.010530132	5.30622E-06	11.5681572	1.57219E-05	0.000182642	0.000166473	0.001292685
2046 Aug	91.92700958	0.073921986	0.090016253	0.003810772	35.92083359	0.049078517	21.26012802	0.000917955	0.000917955	5.21632E-06	0.004308534	0.001015535	0.047887929	0.010267258	5.2878E-06	11.15448666	1.48137E-05	0.000172064	0.00015914	0.001247054

Appendix D.2-26: WN01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2046 Sep	86.87561035	0.06851308	0.083253562	0.003586322	33.7369957	0.047385413	19.95775032	0.000923373	0.000923373	5.19726E-06	0.004203281	0.000956451	0.044718977	0.010067524	5.26348E-06	10.83708763	1.40766E-05	0.000159791	0.000154618	0.001206913
2046 Oct	84.61649323	0.066124365	0.080189526	0.003484508	32.75274277	0.046621148	19.36771202	0.000925668	0.000925668	5.18782E-06	0.004154919	0.000929572	0.04327374	0.009980604	5.25165E-06	10.69854164	1.37491E-05	0.000154289	0.000152492	0.001190319
2046 Nov	84.6355896	0.066146411	0.080197759	0.003484779	32.75611496	0.046634614	19.37588882	0.000925653	0.000925653	5.18802E-06	0.004156226	0.000929994	0.043293759	0.009982723	5.25189E-06	10.70141506	1.3754E-05	0.000154351	0.000152527	0.001190582
2046 Dec	84.63712311	0.066147931	0.080199011	0.003484837	32.75667953	0.046635531	19.37620926	0.000925672	0.000925672	5.18812E-06	0.004156328	0.000930013	0.043294474	0.009982953	5.25199E-06	10.70164967	1.37543E-05	0.000154354	0.000152529	0.001190605
2047 Jan	84.6373291	0.066148214	0.080199055	0.003484839	32.75672913	0.046635613	19.37622833	0.000925674	0.000925674	5.18813E-06	0.004156346	0.000930017	0.043294497	0.009983046	5.252E-06	10.70172596	1.37544E-05	0.000154355	0.000152531	0.001190608
2047 Feb	84.63783264	0.066148624	0.080199413	0.003484854	32.75690079	0.046635818	19.37631798	0.000925679	0.000925679	5.18816E-06	0.004156369	0.000930024	0.043294672	0.009983175	5.25203E-06	10.70183945	1.37544E-05	0.000154356	0.000152533	0.001190615
2047 Mar	84.64416504	0.066153586	0.080205344	0.003485111	32.75933838	0.046639271	19.3777523	0.000925748	0.000925748	5.18854E-06	0.004156679	0.000930095	0.043297868	0.009983961	5.25242E-06	10.70266819	1.37555E-05	0.000154368	0.000152545	0.001190704
2047 Apr	84.65209961	0.066159785	0.080212817	0.003485436	32.76240158	0.046643615	19.37956238	0.000925834	0.000925834	5.18903E-06	0.004157068	0.000930183	0.043301899	0.009984918	5.25291E-06	10.70368576	1.37568E-05	0.000154383	0.00015256	0.001190816
2047 May	84.72809601	0.06620726	0.080235936	0.003486052	32.77594757	0.046669811	19.40002823	0.000926064	0.000926064	5.19077E-06	0.004161121	0.000931846	0.043346696	0.010009225	5.25472E-06	10.72506237	1.37754E-05	0.000154724	0.000152987	0.001191811
2047 Jun	84.03193665	0.06525854	0.078876659	0.00343707	32.32766724	0.046443712	19.27997017	0.00092505	0.00092505	5.18149E-06	0.004153564	0.000930982	0.043038085	0.010078199	5.24495E-06	10.76120472	1.37523E-05	0.000155995	0.000153735	0.001189711
2047 Jul	81.05654144	0.062193882	0.075120948	0.003314568	31.0770607	0.04549592	18.49231911	0.000930546	0.000930546	5.18193E-06	0.004081714	0.000897291	0.041100796	0.009942345	5.24231E-06	10.55724621	1.33397E-05	0.000153604	0.000149179	0.001172288
2047 Aug	77.45526886	0.058452852	0.070525482	0.003163992	29.57170868	0.044309139	17.53664017	0.000936414	0.000936414	5.17787E-06	0.004001404	0.000855184	0.038766511	0.009785931	5.23444E-06	10.31475925	1.2815E-05	0.000147564	0.000144831	0.001146066
2047 Sep	74.44047546	0.055224251	0.066510282	0.003030923	28.27954674	0.043287884	16.75270271	0.000939709	0.000939709	5.16648E-06	0.003938881	0.00081913	0.036861993	0.009661814	5.21987E-06	10.12074566	1.23668E-05	0.000139561	0.000142213	0.001121217
2047 Oct	73.063797	0.053768367	0.064647309	0.002968969	27.68284988	0.042815283	16.39095116	0.000940969	0.000940969	5.15993E-06	0.003908823	0.000802345	0.035976235	0.009605722	5.21186E-06	10.0339365	1.21635E-05	0.000135894	0.000140932	0.001110871
2047 Nov	73.08196259	0.053790271	0.064652912	0.00296911	27.68511581	0.042828701	16.39963531	0.000940904	0.000940904	5.1599E-06	0.003910135	0.000802794	0.035997711	0.009607685	5.21186E-06	10.03675175	1.21687E-05	0.000135959	0.000140965	0.00111112
2047 Dec	73.08303833	0.053791337	0.064653717	0.002969149	27.68549728	0.042829387	16.39985275	0.000940919	0.000940919	5.15998E-06	0.003910213	0.000802808	0.035998188	0.009607865	5.21194E-06	10.03693104	1.21689E-05	0.000135961	0.000140968	0.001111137
2048 Jan	73.08352661	0.053791814	0.064654037	0.002969164	27.68566322	0.042829644	16.39994049	0.000940925	0.000940925	5.16002E-06	0.003910245	0.000802815	0.035998367	0.009607984	5.21198E-06	10.03704071	1.2169E-05	0.000135962	0.000140969	0.001111145
2048 Feb	73.08438873	0.053792469	0.0646547	0.002969194	27.68597031	0.04283008	16.40011215	0.000940935	0.000940935	5.16007E-06	0.00391029	0.000802826	0.035998724	0.009608154	5.21203E-06	10.03719807	1.21691E-05	0.000135964	0.000140972	0.001111157
2048 Mar	73.08457184	0.053792614	0.064654805	0.002969199	27.68602753	0.042830151	16.40014076	0.000940937	0.000940937	5.16008E-06	0.003910298	0.000802829	0.035998777	0.009608207	5.21204E-06	10.03724384	1.21691E-05	0.000135965	0.000140973	0.00111116
2048 Apr	73.09417725	0.053799585	0.064662986	0.002969567	27.68952751	0.042835668	16.4024086	0.00094105	0.00094105	5.16071E-06	0.003910793	0.000802941	0.036003768	0.009609526	5.21268E-06	10.03861332	1.21708E-05	0.000135984	0.000140993	0.001111304
2048 May	73.13293457	0.053828076	0.064697124	0.002971132	27.70414734	0.042858329	16.41115189	0.000941544	0.000941544	5.16343E-06	0.00391286	0.00080337	0.036022969	0.009614656	5.21542E-06	10.04396439	1.21772E-05	0.000136057	0.000141069	0.001111893
2048 Jun	72.55355072	0.053081967	0.06378793	0.002939296	27.37469864	0.042700849	16.32070732	0.000940469	0.000940469	5.15541E-06	0.003911099	0.000800941	0.035832364	0.009586083	5.2071E-06	10.01019573	1.21746E-05	0.000136498	0.000140197	0.001108803
2048 Jul	70.69160461	0.051068049	0.061331179	0.002857215	26.53146553	0.042130768	15.87897682	0.00094184	0.00094184	5.14755E-06	0.003871881	0.000783088	0.034767423	0.009494786	5.19756E-06	9.883225441	1.19682E-05	0.000135936	0.000137216	0.001098363
2048 Aug	68.34294128	0.048644669	0.058349632	0.002759426	25.5540638	0.041359168	15.25471497	0.000945522	0.000945522	5.14416E-06	0.003818538	0.000755741	0.0332436	0.009392692	5.19169E-06	9.724663734	1.16194E-05	0.000132055	0.000134352	0.001081085
2048 Sep	66.30609131	0.046494421	0.055676267	0.002671023	24.69953728	0.040646408	14.70752239	0.000947953	0.000947953	5.13677E-06	0.003775663	0.000730501	0.031912956	0.009310267	5.18207E-06	9.592507362	1.1305E-05	0.000126216	0.000132674	0.001063568
2048 Oct	65.360672	0.045506921	0.054411348	0.002628941	24.2967453	0.040310353	14.45204735	0.000948788	0.000948788	5.13185E-06	0.0037542	0.000718553	0.031286426	0.009271729	5.17611E-06	9.532155991	1.11601E-05	0.000123494	0.000131825	0.001056224
2048 Nov	65.36869812	0.045524642	0.054409444	0.002628871	24.29693031	0.040317819	14.45543003	0.000948778	0.000948778	5.13191E-06	0.003755371	0.000718818	0.031295072	0.009273636	5.17618E-06	9.53430748	1.11631E-05	0.000123535	0.000131843	0.001056353
2048 Dec	65.36951447	0.045525465	0.054410003	0.0026289	24.29721642	0.040318374	14.45559216	0.000948791	0.000948791	5.13198E-06	0.003755437	0.000718829	0.031295426	0.009273786	5.17625E-06	9.534455299	1.11633E-05	0.000123537	0.000131845	0.001056366
2049 Jan	65.36972046	0.045525715	0.054410078	0.002628904	24.29727364	0.040318463	14.455616	0.000948793	0.000948793	5.13199E-06	0.003755453	0.000718832	0.031295463	0.009273862	5.17626E-06	9.534519196	1.11633E-05	0.000123537	0.000131846	0.00105637
2049 Feb	65.36991882	0.045525879	0.054410163	0.002628907	24.29733276	0.040318523	14.4556427	0.000948795	0.000948795	5.132E-06	0.003755462	0.000718836	0.031295501	0.009273938	5.17627E-06	9.534582138	1.11634E-05	0.000123538	0.000131847	0.001056372
2049 Mar	65.37147522	0.045526978	0.054411422	0.002628968	24.29790306	0.04031945	14.45597744	0.000948817	0.000948817	5.13212E-06	0.003755551	0.000718853	0.03129622	0.009274186	5.17639E-06	9.534828186	1.11636E-05	0.000123541	0.000131851	0.001056397
2049 Apr	65.37937927	0.045532487	0.054417975	0.002629284	24.30083466	0.040324304	14.4577198	0.000948932	0.000948932	5.13274E-06	0.003756004	0.000718941	0.031299978	0.009275322	5.17702E-06	9.535990715	1.1165E-05	0.000123556	0.000131867	0.001056525
2049 May	65.4168396	0.04555773	0.054446556	0.002630618	24.31358528	0.040346466	14.46682644	0.000949395	0.000949395	5.13531E-06	0.003758081	0.000719413	0.031319998	0.009281104	5.17962E-06	9.54186821	1.11718E-05	0.000123639	0.000131956	0.001057114
2049 Jun	64.95333862	0.045003634	0.053758681	0.002606116	24.06181717	0.040187199	14.37703228	0.000948249	0.000948249	5.12689E-06	0.003756975	0.000717301	0.031128725	0.009262334	5.17089E-06	9.515729904	1.11691E-05	0.000124032	0.000131284	0.001053996
2049 Jul	63.61854935	0.043610774	0.052062746	0.002549632	23.47942734	0.039764941	14.04505634	0.000949381	0.000949381	5.12148E-06	0.003725074	0.000703744	0.030322244	0.009194462	5.16422E-06	9.420729637	1.10059E-05	0.000123729	0.000129016	0.001046509
2049 Aug	61.98157501	0.041935664	0.050015889	0.002483509	22.81489944	0.039224319	13.59294891	0.000953112	0.000953112	5.12423E-06	0.003688297	0.000683879	0.029212229	0.009126907	5.16515E-06	9.310860634	1.07569E-05	0.000120979	0.000127019	0.001034663
2049 Sep	60.51153564	0.040401652	0.048096906	0.002420039	22.20471764	0.038700309	13.19210529	0.000954828	0.000954828	5.11844E-06	0.003657342	0.000665286	0.028237237	0.009067932	5.15773E-06	9.215159416	1.05247E-05	0.000116474	0.000125881	0.001021575
2049 Oct	59.81570816	0.039691467	0.047172688	0.002389255	21.91226196	0.038445909	12.99904251	0.00095539	0.00095539	5.11436E-06	0.003641453	0.000656271	0.027763674	0.009040093	5.15286E-06	9.170764923	1.04151E-05	0.00011434	0.000125275	0.001015994
2049 Nov	59.82154083	0.039700761	0.047173508	0.0023893	21.91305351	0.038450669	13.00121975	0.000955409	0.000955409	5.11452E-06	0.003642092	0.000656419	0.027769048	0.009041219	5.15303E-06	9.172035217	1.04169E-05	0.000114363	0.000125287	0.001016087
2049 Dec	59.82247162	0.039701581	0.047174152	0.002389334	21.91338158	0.038451299	13.00140667	0.000955424	0.000955424	5.1146E-06	0.003642163	0.000656431	0.027769448	0.009041383	5.15311E-06	9.172198296	1.0417E-05	0.000114365	0.000125289	0.001016103
2050 Jan	59.82277298	0.039701864	0.04717432	0.002389343	21.91347885	0.038451463	13.00145721	0.000955429	0.000955429	5.11462E-06	0.003642184	0.000656435	0.027769545	0.009041464	5.15313E-06	9.172270775	1.04171E-05	0.000114366	0.00012529	0.001016108
2050 Feb	59.82293701	0.039701995	0.04717439	0.002389346	21.91352463	0.038451515	13.0014782	0.00095543	0.00095543	5.11463E-06	0.003642192	0.000656438	0.027769579	0.009041525	5.15314E-06	9.17232132	1.04171E-05	0.000114367	0.000125291	0.00101611
2050 Mar	59.82323837	0.039702203	0.047174599	0.002389356	21.91362953	0.038451679	13.00153637	0.000955435	0.000955435	5.11466E-06	0.003642209	0.000656442	0.027769692	0.009041591	5.15316E-06	9.172380447	1.04172E-05	0.000114368	0.000125292	0.001016115
2050 Apr	59.82852173	0.03970572	0.047178749	0.002389566	21.91555977	0.038455058	13.00268078	0.000955519	0.000955519	5.11511E-06	0.00364253	0.0006565	0.027772132	0.009042401	5.15362E-06	9.173199654	1.04181E-05	0.000114378	0.000125304	0.001016205
2050 May	59.85406494	0.039722726	0.047197949	0.002390531	21.9246273	0.038470834	13.00814724	0.000955911	0.000955911	5.11721E-06	0.003644093	0.000656799	0.027783746	0.009046708	5.15574E-06	9.177437782	1.04226E-05	0.000114432	0.000125365	0.001016633
2050 Jun	59.48033142	0.039327789	0.046682667	0.002372232	21.74167252	0.038313448	12.9098568	0.000955386	0.000955386	5.1114E-06	0.003641403	0.000654407	0.027559204	0.00904338	5.14956E-06	9.162220955	1.04061E-05	0.000114724	0.000124958	0.00101385
2050 Jul	58.405159	0.038256112	0.045379665	0.002328484	21.28969193	0.037947048	12.62884712	0.000955835	0.000955835	5.10433E-06	0.003613803	0.000643132	0.026879247	0.008985185	5.14143E-06	9.080908775	1.02677E-05	0.000114509	0.000123025	0.00100724
2050 Aug	57.16332245	0.036998194	0.043848734	0.002278974	20.79149246	0.037531607	12.28305721	0.00095854	0.00095854	5.10572E-06	0.003585076	0.00062796	0.026030833	0.008932238	5.14143E-06	8.995519638	1.00753E-05	0.000112413	0.00012148	0.000998047
2050 Sep	56.20202637	0.036011174	0.042618494	0.002238487	20.40288353	0.037180029	12.01211929	0.000959876	0.000959876	5.10264E-06	0.003565243	0.000615441	0.025372799	0.008894385	5.13724E-06	8.932182312	9.9185E-06	0.000109284	0.000120779	0.0009889899
2050 Oct	56.11416626	0.035918858	0.042493906	0.002234585	20.36586761	0.037151635	11.98556042	0.000960248	0.000960248	5.10351E-06	0.003563955	0.000614231	0.025306471	0.008892993	5.138E-06	8.928193092	9.90451E-06	0.000108978	0.000120725	0.000988416
2050 Nov	56.12071609	0.035923254	0.042498775	0.002234842	20.3682251	0.037156001	11.98694992	0.00096036	0.00096036	5.10411E-06	0.003564384	0.000614304	0.02530941	0.008894052	5.1386E-06	8.929254532	9.90568E-06	0.000108991	0.000120739	0.000988531
2050 Dec	56.12152863	0.035923883	0.042499341	0.002234873	20.36851501	0.037156556	11.98711491	0.000960374	0.000960374	5.10418E-06	0.003564443	0.000614314	0.02530976	0.008894194	5.13868E-06	8.929393768	9.90583E-06	0.000108992	0.000120741	0.000988546

Appendix D.2-26: WN01

Constituents	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	4.6E-04	1.2E-08	4.1E-03	9.8E-03	2.5E-04	3.6E-07	1.5E-02	3.2E-06	1.7E-05	1.2E-06	2.8E-07	1.6E-07	3.8E-04	2.4E-09	1.2E-07	2.6E-06	1.9E-06	3.4E-04
Operations (2020-2043): Mean	6.7E-02	2.6E-05	7.9E+00	1.3E+01	1.2E-01	2.0E-03	1.3E+02	1.4E-02	6.6E-03	1.2E-04	2.1E-03	7.6E-04	5.4E-01	2.2E-06	1.6E-03	1.2E-03	2.2E-03	4.7E-03
Operations (2020-2043): Max	1.2E-01	3.6E-05	1.2E+01	1.9E+01	1.7E-01	0.00309	3.1E+02	2.2E-02	9.1E-03	4.5E-04	3.3E-03	1.2E-03	8.1E-01	2.5E-06	2.5E-03	1.5E-03	2.6E-03	7.3E-03
Active Closure (2044-2050): Min	2.0E-02	3.1E-06	1.5E+00	2.1E+00	1.4E-02	2.5E-04	8.3E+00	1.7E-03	4.6E-03	5.2E-05	2.2E-04	1.1E-04	7.6E-02	2.0E-06	1.6E-04	1.7E-04	9.6E-04	4.1E-04
Active Closure (2044-2050): Mean	2.9E-02	6.9E-06	2.5E+00	3.8E+00	3.2E-02	5.3E-04	1.7E+01	3.8E-03	4.9E-03	7.4E-05	5.3E-04	2.1E-04	1.5E-01	2.1E-06	3.9E-04	3.5E-04	1.2E-03	1.1E-03
Active Closure (2044-2050): Max	7.6E-02	2.6E-05	7.7E+00	1.2E+01	1.2E-01	1.9E-03	5.8E+01	1.4E-02	6.6E-03	1.9E-04	2.1E-03	7.5E-04	5.3E-01	2.2E-06	1.6E-03	1.2E-03	2.3E-03	4.4E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than ap																		
Model Predictions (2020-2050)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-26: WN01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0.000462984	1.21838E-08	0.004069384	0.009844497	0.000249768	3.59422E-07	0.015290649	3.16778E-06	1.70573E-05	1.16477E-06	2.80227E-07	1.58389E-07	0.000378916	2.43676E-09	1.21838E-07	2.55859E-06	1.88849E-06	0
2026 Feb	0.002213246	5.82433E-08	0.019453267	0.04706059	0.001193988	1.71818E-06	0.073095351	1.51433E-05	8.15406E-05	5.56806E-06	1.3396E-06	7.57163E-07	0.001811367	1.16487E-08	5.82433E-07	1.22311E-05	9.02771E-06	0
2026 Mar	0.004233716	1.11414E-07	0.037212137	0.090022177	0.002283979	3.2867E-06	0.139824048	2.89675E-05	0.000155979	1.06511E-05	2.56251E-06	1.44838E-06	0.003464962	2.22827E-08	1.11414E-06	2.33969E-05	1.72691E-05	0
2026 Apr	0.006101115	1.60556E-07	0.053625591	0.129728973	0.003291391	4.73639E-06	0.201497346	4.17445E-05	0.000224778	1.53491E-05	3.69278E-06	2.08722E-06	0.004993281	3.21111E-08	1.60556E-06	3.37167E-05	2.48861E-05	0
2026 May	0.026448263	2.52902E-06	0.76787585	1.375008821	0.020347741	0.000158466	15.12687206	0.001205566	0.001274985	9.76179E-05	0.000176294	6.72156E-05	0.057093542	2.83794E-07	0.000124096	0.000213165	0.000281923	0.000338865
2026 Jun	0.070612416	2.6648E-05	8.069364548	12.88591194	0.125710174	0.00197392	201.021286	0.014722316	0.0062138	0.000179583	0.002259376	0.000788434	0.553756058	2.23517E-06	0.001648518	0.00132012	0.002542756	0.004723171
2026 Jul	0.054122791	2.8537E-05	8.657938957	13.66931725	0.124151804	0.002167497	220.4038696	0.01600218	0.005819675	8.0816E-05	0.00243919	0.000852784	0.589626253	2.30382E-06	0.001806158	0.001243451	0.00251563	0.005195042
2026 Aug	0.041748237	3.39125E-05	10.99448204	17.41449738	0.155375957	0.002833043	285.5437622	0.020460643	0.004649824	5.64483E-05	0.003067155	0.001094977	0.752497077	2.3635E-06	0.002330919	0.001398936	0.002479579	0.006744944
2026 Sep	0.038919821	3.56771E-05	11.79008675	18.72266197	0.166306153	0.003089625	307.3631287	0.021961983	0.004773721	4.22936E-05	0.003290934	0.001174071	0.808604777	2.37684E-06	0.002512129	0.001516037	0.002552348	0.007263251
2026 Oct	0.06163957	2.51881E-05	7.460795879	11.87140179	0.102587536	0.002078959	184.388916	0.013449781	0.0075902289	3.17017E-05	0.001962779	0.000712939	0.510727704	2.21002E-06	0.001529062	0.000986189	0.001955641	0.004315897
2026 Nov	0.062743947	2.47834E-05	7.285736561	11.59351444	0.099998534	0.002038241	179.3509216	0.013102952	0.007724018	3.13856E-05	0.001908371	0.000694162	0.498655021	2.20833E-06	0.001488828	0.000964484	0.001934121	0.004194936
2026 Dec	0.063006498	2.46733E-05	7.239121914	11.51951027	0.099311382	0.002027299	178.0182037	0.013010984	0.007755774	3.12962E-05	0.001893986	0.000689188	0.495441437	2.20726E-06	0.001478169	0.000958687	0.001928089	0.00416297
2027 Jan	0.063669108	2.46059E-05	7.214931965	11.48607349	0.099249981	0.002020125	177.230896	0.01295843	0.007777934	3.29325E-05	0.001885711	0.000686353	0.493926346	2.20637E-06	0.001471769	0.000958612	0.001925125	0.004143742
2027 Feb	0.064443514	2.45705E-05	7.205553532	11.47789955	0.099509925	0.002015933	176.8305969	0.012933275	0.007793254	3.51901E-05	0.001881687	0.000685002	0.493485719	2.20589E-06	0.001468435	0.000961416	0.001924234	0.004133665
2027 Mar	0.064890794	2.45613E-05	7.20341444	11.47816849	0.099692024	0.002014483	176.6856232	0.012924913	0.007804778	3.64315E-05	0.001880273	0.000684549	0.493448824	2.20654E-06	0.001467225	0.000963335	0.001924539	0.004129886
2027 Apr	0.065339819	2.46295E-05	7.223720074	11.51262188	0.100093789	0.002019676	177.1309204	0.012958767	0.007834674	3.72483E-05	0.001885086	0.000686336	0.494902313	2.2135E-06	0.00147092	0.000967308	0.001930465	0.004140071
2027 May	0.076448753	2.43854E-05	7.166834831	11.51083946	0.105275854	0.001965237	173.5665894	0.012758554	0.008007891	0.000103436	0.001858841	0.000678725	0.493632227	2.22474E-06	0.001440127	0.001029907	0.001972115	0.004048412
2027 Jun	0.064032987	2.28871E-05	6.424886227	10.13549423	0.095787272	0.001572115	157.4499054	0.011670135	0.006633137	0.000110068	0.001807678	0.000620172	0.436126113	2.15801E-06	0.001298801	0.001080103	0.002406163	0.003692875
2027 Jul	0.05673014	2.9047E-05	8.775588036	13.85565758	0.125551656	0.002200086	223.0308075	0.016200958	0.00605345	8.29947E-05	0.002462782	0.000863342	0.597593546	2.36659E-06	0.001827948	0.001245873	0.002535545	0.005254936
2027 Aug	0.037083536	3.51554E-05	11.52901649	18.25652504	0.162800655	0.002992518	300.0472717	0.021468544	0.004397902	4.59473E-05	0.003217689	0.001149921	0.789504707	2.38594E-06	0.002448835	0.001464818	0.002544287	0.007090103
2027 Sep	0.052094311	3.00528E-05	9.419844627	14.96334648	0.131281495	0.00254078	239.5332031	0.017279597	0.006425979	3.56309E-05	0.002557389	0.000920676	0.64533174	2.31813E-06	0.001970183	0.001222469	0.002240002	0.005635932
2027 Oct	0.051072966	2.97949E-05	9.403055191	14.95591927	0.1311896	0.002536614	239.826355	0.017277366	0.006316544	3.53773E-05	0.002560958	0.000919878	0.644636571	2.26046E-06	0.001972733	0.001228356	0.002209613	0.005645224
2027 Nov	0.054133825	2.83856E-05	8.814088821	14.02081966	0.122526295	0.002397523	223.0596924	0.016118556	0.006686197	3.42121E-05	0.002380064	0.000857235	0.604041994	2.24192E-06	0.001838491	0.00115496	0.00213097	0.005243333
2027 Dec	0.05439087	2.82744E-05	8.767180443	13.94634056	0.121835321	0.002386487	221.7204895	0.016026093	0.006717255	3.41215E-05	0.002365612	0.000852235	0.600808203	2.24071E-06	0.001827775	0.00114912	0.002124837	0.005211219
2028 Jan	0.054789968	2.82254E-05	8.748954773	13.92021847	0.121734113	0.002381353	221.1456909	0.015987424	0.006732652	3.50402E-05	0.002359535	0.000850148	0.599638283	2.24006E-06	0.001823119	0.001148514	0.002122557	0.005197239
2028 Feb	0.055248346	2.82008E-05	8.741689682	13.91253948	0.12185546	0.002378514	220.8611755	0.01596923	0.006743099	3.63338E-05	0.002356634	0.000849169	0.599255502	2.23981E-06	0.001820768	0.001149892	0.002121832	0.005190138
2028 Mar	0.055498797	2.81892E-05	8.738249779	13.90916157	0.121927679	0.002377112	220.7198029	0.015960289	0.00674911	3.7034E-05	0.002355198	0.000848687	0.599081933	2.2398E-06	0.0018196	0.001150699	0.002121558	0.005186592
2028 Apr	0.055698927	2.82136E-05	8.745915413	13.92253017	0.122101501	0.002378938	220.8831024	0.015972814	0.006759851	3.74641E-05	0.002356981	0.00084935	0.599642038	2.24224E-06	0.001820945	0.001152409	0.002123731	0.005190305
2028 May	0.056055591	2.83488E-05	8.787975311	13.99018574	0.122732267	0.002390147	221.92836	0.016048823	0.006794462	3.80131E-05	0.002368191	0.000853402	0.602546692	2.25324E-06	0.001829555	0.001158432	0.002134226	0.0052148
2028 Jun	0.058562204	2.37337E-05	6.756452084	10.63313961	0.097735666	0.001684353	167.4052124	0.012336914	0.006512482	7.94486E-05	0.001901534	0.000654673	0.458133429	2.17054E-06	0.0013805	0.001080004	0.002396334	0.003932177
2028 Jul	0.063765131	2.60187E-05	7.444161892	11.71857548	0.106517367	0.001852234	185.3183289	0.013612255	0.006793961	8.70961E-05	0.002073637	0.000723505	0.504993856	2.35153E-06	0.001524456	0.001102716	0.002449207	0.004353484
2028 Aug	0.045417316	3.45692E-05	11.09033394	17.55138969	0.156996891	0.002852994	286.9469299	0.020606926	0.005122676	6.03233E-05	0.0030971	0.001102261	0.758412123	2.4749E-06	0.002344247	0.001443135	0.002624088	0.006775396
2028 Sep	0.044665921	3.31569E-05	10.73928642	17.05868721	0.150865927	0.002843967	277.4371643	0.019893745	0.005489867	3.99527E-05	0.002969009	0.001061979	0.736257195	2.34281E-06	0.002273041	0.001390314	0.002417451	0.00654586
2028 Oct	0.069830716	2.12709E-05	5.833777428	9.288859367	0.078672372	0.001694315	138.1542511	0.010251997	0.008582002	2.83526E-05	0.00146397	0.000540079	0.398612261	2.15247E-06	0.001158796	0.000783601	0.001735176	0.003207952
2028 Nov	0.074074067	1.92978E-05	5.009991169	7.980821609	0.066557243	0.001499635	114.7108307	0.00863154	0.009094334	2.67161E-05	0.001211049	0.00045249	0.341831744	2.12597E-06	0.000971072	0.000680875	0.001624907	0.002646054
2028 Dec	0.074170895	1.92615E-05	4.994367123	7.956017971	0.066326298	0.001495994	114.2616425	0.008600606	0.009106049	2.66878E-05	0.001206198	0.000450816	0.340754241	2.12579E-06	0.000967483	0.000678936	0.001622972	0.002635271
2029 Jan	0.074470438	1.924E-05	4.987344742	7.947305202	0.066367485	0.001493616	114.0134125	0.00858436	0.00911383	2.75003E-05	0.001203628	0.000449941	0.340344906	2.1255E-06	0.000965449	0.000679502	0.001622163	0.002629147
2029 Feb	0.074837431	1.92289E-05	4.985365868	7.947464466	0.066534005	0.001492176	113.8915329	0.008577171	0.009119699	2.86156E-05	0.001202458	0.000449556	0.34030965	2.12534E-06	0.000964409	0.000681208	0.001622076	0.002625988
2029 Mar	0.075043432	1.92245E-05	4.98470211	7.948209763	0.066630177	0.001491516	113.8346176	0.008573969	0.009123649	2.92252E-05	0.001201921	0.000449384	0.34031865	2.12544E-06	0.000963923	0.000682194	0.001622164	0.002624487
2029 Apr	0.075193822	1.92304E-05	4.986529827	7.952149868	0.066714369	0.001491801	113.8526154	0.008575941	0.009129934	2.95849E-05	0.001202148	0.000449485	0.340474367	2.12643E-06	0.000964073	0.000683056	0.001622931	0.002624794
2029 May	0.07696639	1.94217E-05	5.070175171	8.101776123	0.069071233	0.001504345	115.8206635	0.008721797	0.009123245	4.22087E-05	0.001225622	0.000457945	0.34673664	2.13467E-06	0.00097949	0.000706714	0.001644819	0.00267062
2029 Jun	0.079309464	2.10911E-05	5.634854317	8.970680237	0.085055903	0.001456537	131.9697571	0.009933342	0.008136469	0.000124352	0.001494457	0.000526683	0.38437885	2.20868E-06	0.001099841	0.000954261	0.002164705	0.003067239
2029 Jul	0.052895334	2.72157E-05	8.197814941	12.93382454	0.117503971	0.002049798	208.2153168	0.015139061	0.005735973	7.70223E-05	0.002311229	0.000806369	0.557889223	2.22858E-06	0.001707232	0.00118999	0.002440149	0.004906542
2029 Aug	0.039997783	3.35667E-05	10.87140179	17.20671272	0.15328078	0.002823046	281.6593933	0.020193785	0.004648551	4.77964E-05	0.003020806	0.001081354	0.744009197	2.35606E-06	0.002300201	0.001377963	0.002452408	0.00665072
2029 Sep	0.047580671	3.18377E-05	10.18324757	16.17534065	0.14256461	0.002718393	261.4456177	0.018789859	0.005873085	3.73151E-05	0.002794155	0.001002389	0.697964251	2.33056E-06	0.002145275	0.001317412	0.002336823	0.006161835
2029 Oct	0.05448534	2.85521E-05	8.862763405	14.09740829	0.123196661	0.002410733	224.2581024	0.016206253	0.006728482	3.44259E-05	0.00239284	0.000861926	0.607357085	2.25683E-06	0.001848366	0.001160997	0.002144017	0.00527139
2029 Nov	0.057688098	2.69491E-05	8.200760841	13.04652691	0.113476664	0.0022537	205.4838257	0.01490684	0.007115227	3.30715E-05	0.002190346	0.000791706	0.561742008	2.23088E-06	0.001697935	0.001078471	0.002053131	0.004821635
2029 Dec	0.057806805	2.68995E-05	8.179756165	13.01318073	0.113167018	0.00224877	204.883194	0.014865396	0.007129577	3.30315E-05	0.002183863	0.000789464	0.560293913	2.23041E-06	0.001693131	0.001075858	0.002050418	0.004807228
2030 Jan	0.058053877	2.68709E-05	8.1692276	12.99824524	0.113117822	0.002245757	204.5481415	0.014842903	0.007138647	3.36151E-05	0.002180327	0.000788251	0.559622824	2.23003E-06	0.001690414	0.001075601	0.002049105	0.004799069
2030 Feb	0.05834005	2.68575E-05	8.165410995	12.99460602	0.113204584	0.00224416	204.3900604	0.014832919	0.007145057	3.4428E-05	0.002178727	0.000787713	0.559433699	2.22994E-06	0.001689104	0.001076558	0.002048774	0.004795101
2030 Mar	0.058503635	2.68538E-05	8.16444397	12.99439144	0.113267154	0.002243596	204.3318787	0.014829504	0.007149514	3.48748E-05	0.002178153	0.000787528	0.559406817	2.2302E-06	0.001688621	0.001077225	0.002048872	0.004793595
2030 Apr	0.058630802	2.68673E-05	8.1686306	13.00180912	0.113368526	0.002244576	204.4172516	0.014836161	0.007156203	3.51497E-05	0.002179089	0.00078788	0.559716105	2.23164E-06	0.001689326	0.001078231	0.002050117	0.004795518
2030 May	0.059083659	2.69939E-05	8.207379341	13.06483746	0.113995016	0.002254681	205.3540649	0.014905027	0.007193827	3.62277E-05	0.002189231	0.000791574	0.562411249	2.24264E-06	0.001697051	0.001084367	0.002060594	0.004817369
2030 Jun	0.062868722	2.32468E-05	6.573757648	10.37454987	0.096517295	0.001640485	161.5151672	0.011939432	0.006730311	9.57561E-05	0.00183541	0.000634038	0.446511745	2.16754E-06	0.001333263	0.001068138	0.002358383	0.003788124
2030 Jul	0.050057966	3.02135E-05	9.437882423	14.9331274	0.134326026	0.002387632	242.7091675	0.017507443	0.005304138	7.41418E-05	0.002644493	0.0009345	0.644338727	2.29093E-06	0.001984858	0.001270255	0.002427666	0.005726518
2030 Aug	0.043080609	3.27298E-05	10.51463699	16.64531326	0.148263603	0.002718149	271.9754028	0.019519271	0.004809468	5.44477E-05	0.002918458	0.001044647	0.71934545	2.33979E-06	0.002221415	0.00132997	0.00239951	0.006420082
2030 Sep	0.039387602	3.52083E-05	11.56666565	18.35003281	0.163063332	0.003026596	300.9169312	0.02152298	0.004773003	4.31891E-05	0.003222089	0.001151212	0.792817235	2.38418E-06	0.002459036	0.00147909	0.002530036	0.007108945
2030 Oct	0.053731058	2.86357E-05	8.910533905	14.17210388	0.123939611	0.002419652	225.7510986	0.016306445	0.006631178	3.46023E-05	0.002409174	0.000867458	0.610641778	2.24977E-06	0.001859968	0.001166182	0.002146412	0.005307701
2030 Nov	0.055502705	2.76594E-05	8.513916016	13.54325962	0.118125707	0.002325533	214.5550385	0.01553	0.006847822	3.3683E-05	0.002288411	0.000825486	0.583337069	2.23011E-06	0.001770235	0.001117022	0.002089867	0.005039658
2030 Dec	0.055620346	2.76098E-05	8.492918968	13.50992489	0.117816225	0.002320602	213.954895	0.015488582	0.00686205	3.36426E-05	0.002281934	0.000823245	0.58188951	2.22962E-06	0.001765434	0.00111441	0.002087144	0.005025264
2031 Jan	0.055858459	2.75815E-05	8.482437134	13.494977	0.11776229	0.002317631	213.6227112	0.015466261	0.006871101	3.41956E-05	0.002278424	0.000822041	0.581218958	2.22926E-06	0.001762743	0.001114106	0.002085843	0.00501718
2031 Feb	0.056128938	2.75669E-05	8.478157997	13.49047565	0.117835201	0.002315947	213.4552155	0.015455548	0.006877056	3.49646E-05	0.002276718	0.000821464	0.580994248	2.22907E-06	0.001761357	0.00111493	0.002085398	0.005013
2031 Mar	0.056280926	2.75612E-05	8.476538658	13.48915672	0.1178848	0.002315224	213.3819275	0.015451009	0.006880876	3.53863E-05	0.00227598	0.000821219	0.580920637	2.22915E-06	0.001760751	0.001115472	0.002085331	0.005011145
2031 Apr	0.056446075	2.75965E-05	8.4874506	13.50723743	0.118077621	0.002318044	213.638092	0.015469995	0.006892658	3.56759E-05	0.002278737	0.000822227	0.581689715	2.23231E-06	0.001762864	0.001117338	0.002088204	0.005017084
2031 May	0.07337933	2.66689E-05	8.190130234	13.16717243	0.122736134	0.0021844	200.0075989	0.014762313	0.007193542	0.000133631	0.002176706	0.000788843	0.565180898	2.22761E-06	0.001669772	0.001183767	0.002114531	0.004741099
2031 Jun	0.114589185	2.33296E-05	7.016145229	11.59351921	0.129428566	0.001680984	148.8492584	0.012240546	0.007659095	0.000389548	0.001838039	0.00066531	0.492938548	2.17969E-06	0.001344725	0.001345504	0.002268943	0.00379486
2031 Jul	0.075141899	2.89754E-05	9.065451622	14.55501938	0.141095236	0.002259072	201.2520752	0.016538272	0.00612948	0.000202962	0.002492341	0.000888194	0.625165939	2.29518E-06	0.001860708	0.001370381	0.002434212	0.005342072
2031 Aug	0.041031767	3.25544E-05	10.50684261	16.63498688	0.148402914	0.002726216	237.7713928	0.019497423	0.004659025	5.1873E-05	0.002914388	0.001044091	0.719127357	2.308E-06	0.002219656	0.001332741	0.002381951	0.006415059
2031 Sep	0.051597666	2.85652E-05	8.871358871	14.08172894	0.123415433	0.002398947	196.5872803	0.016232688	0.006352418	3.40276E-05	0.002397292	0.00086498	0.607429385	2.25295E-06	0.0018486	0.001147818	0.002143614	0.005281318
2031 Oct	0.060733631	2.52969E-05	7.526203156	11.97606468	0.103589132	0.002093089	163.2541504	0.013585781	0.007483135	3.16484E-05	0.001984822	0.000720329	0.515278459	2.19944E-06	0.001545114	0.000994434	0.001958071	0.004365271
2031 Nov	0.060945675	2.51822E-05	7.479255676	11.90151691	0.102900833	0.0020819	162.0952454	0.013493799	0.007508694	3.15502E-05	0.001970507	0.000715362	0.512043595	2.19733E-06	0.001534467	0.000988565	0.001951499	0.004333481
2031 Dec	0.061056968	2.51356E-05	7.459494114	11.87014103	0.102609538	0.00207726	161.6021729	0.013454811	0.007522145	3.15125E-05	0.001964408	0.000713253	0.510681212	2.19689E-06	0.001529948	0.000986106	0.001948945	0.004319929
2032 Jan	0.061308041	2.51091E-05	7.449877262	11.85672283	0.102577664	0.002074447	161.3315582	0.013434028	0.00753091	3.21211E-05	0.001961136	0.000712132	0.510075033	2.19656E-06	0.001527424	0.000986002	0.001947772	0.004312344
2032 Feb	0.061602172	2.50952E-05	7.446096897	11.85325527	0.102672316	0.002072809	161.1945343	0.013424052	0.00753689	3.29736E-05	0.001959541	0.000711596	0.509892106	2.19638E-06	0.001526109	0.000987031	0.001947408	0.004308371
2032 Mar	0.061767548	2.50903E-05	7.444825649	11.85261154	0.102734134	0.002072138	161.1371918	0.013420053	0.007540905	3.34378E-05	0.001958883	0.00071138	0.509846151	2.19651E-06	0.001525557	0.00098769	0.001947413	0.004306671
2032 Apr	0.06190886	2.51076E-05	7.450072289	11.86173153	0.102850646	0.002073422	161.2341766	0.013428561	0.007549166	3.37225E-05	0.001960083	0.000711829	0.510228276	2.19834E-06	0.00152647	0.000988846	0.001948973	0.00430917
2032 May	0.063004792	2.53729E-05	7.557225227	12.04297924	0.105153099	0.002094627	162.9298553	0.013624616	0.007536677	4.2155E-05	0.001990878	0.000722775	0.517933726	2.20935E-06	0.001548151	0.001011016	0.001972242	0.004373338
2032 Jun	0.068509124	2.1979E-05	6.070188046	9.602264404	0.091177851	0.001503829	115.9960022	0.010928587	0.007020083	0.000116896	0.001681315	0.000580516	0.412629902	2.14744E-06	0.001213544	0.00103032	0.0023103	0.003431785
2032 Jul	0.051719896	2.84424E-05	8.709916115	13.76122856	0.125028253	0.002185796	170.5398254	0.016117174	0.005581388	7.86192E-05	0.002456418	0.000859219	0.593630672	2.25362E-06	0.001821384	0.001247847	0.002481322	0.005242785
2032 Aug	0.041187603	3.10145E-05	9.858386993	15.57707691	0.138342753	0.002586843	193.6407166	0.018202791	0.004922681	3.98307E-05	0.002708956	0.000975145	0.674005926	2.29586E-06	0.002068795	0.00124223	0.002299633	0.005963519
2032 Sep	0.042789456	3.18967E-05	10.26033211	16.26885605	0.143893912	0.002718741	202.2158508	0.018969731	0.005271357	3.65837E-05	0.002824635	0.001013915	0.702833414	2.29739E-06	0.002163868	0.001312349	0.002330162	0.006230471
2032 Oct	0.047126815	3.1115E-05	9.95093441	15.81272888	0.139278546	0.002660298	195.5529633	0.018357627	0.005827744	3.63186E-05	0.002729539	0.000978974	0.682160079	2.27918E-06	0.002096562	0.001290413	0.002283822	0.006019632

Appendix D.2-26: WN01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Nov	0.049071327	3.03318E-05	9.626793861	15.30195808	0.134506509	0.002585234	188.5387726	0.017720006	0.006066115	3.57086E-05	0.002630111	0.000944307	0.659892082	2.26722E-06	0.002023107	0.001251831	0.002239589	0.005798801
2032 Dec	0.05105526	2.94206E-05	9.25299263	14.71131325	0.129015893	0.002497581	180.475296	0.016986508	0.006308118	3.49668E-05	0.002515896	0.000904529	0.634187758	2.25115E-06	0.001938484	0.001206512	0.002187514	0.005545169
2033 Jan	0.051704153	2.93383E-05	9.222138405	14.66683006	0.128827229	0.002488994	179.7413177	0.016921299	0.006334342	3.64249E-05	0.002505649	0.000901008	0.632198751	2.25011E-06	0.001930651	0.00120533	0.002183657	0.005521642
2033 Feb	0.052430838	2.92976E-05	9.209778786	14.65327168	0.129003435	0.002484322	179.3846588	0.016890846	0.006351643	3.84533E-05	0.002500798	0.000899368	0.631532252	2.2497E-06	0.001926743	0.00120738	0.002182403	0.005509836
2033 Mar	0.05284594	2.92867E-05	9.206579208	14.65150166	0.129148543	0.002482731	179.2593079	0.016880745	0.006363477	3.95708E-05	0.002499117	0.00089882	0.631411195	2.25034E-06	0.001925355	0.001208955	0.002182555	0.005505523
2033 Apr	0.053180758	2.93351E-05	9.221932411	14.67782497	0.129472047	0.002486458	179.5223694	0.016906489	0.006382082	4.02805E-05	0.002502822	0.000900185	0.632520199	2.25491E-06	0.001928157	0.001212107	0.002186713	0.005513339
2033 May	0.109598242	2.42638E-05	7.417028427	12.22492313	0.131156176	0.001859297	131.1662292	0.012986653	0.007757843	0.00034504	0.00191903	0.000703643	0.520594418	2.1912E-06	0.001439896	0.001310506	0.002142551	0.00406247
2033 Jun	0.121578716	2.39798E-05	7.399477482	12.29635429	0.140601888	0.001743351	118.8116837	0.012912192	0.007425042	0.000449855	0.001941615	0.000704833	0.52230525	2.16683E-06	0.001417256	0.00144523	0.002307033	0.004012977
2033 Jul	0.086605065	2.89115E-05	9.191373825	14.885571 48	0.150371119	0.002261026	154.6970673	0.016663864	0.006167274	0.000280687	0.002511046	0.000898994	0.637925446	2.26808E-06	0.001868959	0.001466116	0.002447531	0.005363932
2033 Aug	0.046158291	3.52377E-05	11.62493324	18.49708939	0.168774962	0.002969796	202.4740448	0.021636045	0.004494175	0.000100099	0.003254579	0.001159788	0.798290491	2.36984E-06	0.002464711	0.001538801	0.00258949	0.007139796
2033 Sep	0.057476182	2.67643E-05	8.112924576	12.8958683	0.112248182	0.002227793	136.2654114	0.014732948	0.007066457	3.34475E-05	0.002162953	0.000782937	0.555478334	2.23423E-06	0.001676438	0.001062546	0.002045235	0.004760136
2033 Oct	0.057541259	2.64165E-05	8.014351845	12.75100708	0.110816561	0.002206311	134.6470795	0.014554328	0.007096688	3.25042E-05	0.002136918	0.000772776	0.548948765	2.20178E-06	0.001657514	0.001054932	0.002016919	0.004703477
2033 Nov	0.060394902	2.51397E-05	7.478466988	11.90013123	0.102928869	0.002079962	124.4988556	0.013499055	0.007441362	3.14556E-05	0.001972084	0.000715723	0.512008905	2.18638E-06	0.001535238	0.000988159	0.001946084	0.004337234
2033 Dec	0.060438585	2.51246E-05	7.47185564	11.88963604	0.102830939	0.00207843	124.3722076	0.013485931	0.007446651	3.14441E-05	0.001970023	0.000715013	0.51155287	2.18635E-06	0.001533715	0.00098734	0.00194529	0.00433265
2034 Jan	0.060528528	2.51153E-05	7.468458652	11.88490105	0.10281992	0.002077437	124.2997284	0.013478576	0.007449843	3.16609E-05	0.001968864	0.000714616	0.51133883	2.18625E-06	0.001532821	0.000987307	0.001944883	0.004329962
2034 Feb	0.060632762	2.51106E-05	7.467180729	11.88376522	0.102853961	0.002076876	124.2644958	0.013475157	0.007452032	3.19612E-05	0.001968316	0.000714432	0.511278033	2.18621E-06	0.001532368	0.000987676	0.001944772	0.004328593
2034 Mar	0.060694087	2.51099E-05	7.467043877	11.88403606	0.10288021	0.002076726	124.2546005	0.013474303	0.007453783	3.21273E-05	0.001968164	0.000714385	0.511283278	2.18635E-06	0.001532237	0.000987951	0.001944856	0.004328171
2034 Apr	0.06079109	2.51352E-05	7.474600315	11.89634132	0.10300035	0.002078763	124.3759995	0.013487592	0.007462401	3.22547E-05	0.001970091	0.000715089	0.511808932	2.18867E-06	0.001533728	0.000989118	0.001946893	0.004332355
2034 May	0.073092565	2.45829E-05	7.307676792	11.72862148	0.107200667	0.001992806	119.0151367	0.013067557	0.007661335	0.000104522	0.001910605	0.000695959	0.503238201	2.18862E-06	0.001476838	0.001044602	0.001974054	0.004163834
2034 Jun	0.108766004	2.32085E-05	6.961290359	11.46605396	0.124596834	0.001712588	101.7013702	0.012163644	0.007708851	0.000346058	0.001813019	0.000659159	0.48800689	2.16356E-06	0.001342297	0.001280529	0.00217803	0.003782491
2034 Jul	0.081476025	2.72228E-05	8.413321495	13.56441593	0.133652717	0.002104386	125.3729324	0.015217248	0.006542029	0.000222662	0.002283889	0.000817974	0.581667006	2.24739E-06	0.001706947	0.00131082	0.002324767	0.004879999
2034 Aug	0.053224504	3.25573E-05	10.51180267	16.73813057	0.153893515	0.002697315	159.2717896	0.019421037	0.005145079	0.00011145	0.002912047	0.001041305	0.72198081	2.34169E-06	0.002205357	0.001420997	0.002473101	0.006364528
2034 Sep	0.054160614	2.84231E-05	8.821327209	14.02868652	0.122824028	0.002394889	131.1556854	0.016130017	0.006642203	3.64559E-05	0.002382066	0.000858231	0.604483426	2.24778E-06	0.001838849	0.001155549	0.002137576	0.005245828
2034 Oct	0.058917291	2.58361E-05	7.768677711	12.36094761	0.107195683	0.002148601	113.9091721	0.014069714	0.007262987	3.20351E-05	0.00206113	0.000746566	0.532011509	2.19604E-06	0.001601342	0.00102436	0.00198509	0.004535053
2034 Nov	0.059766304	2.54947E-05	7.623126984	12.12986183	0.105048046	0.002114518	111.4948044	0.013782188	0.007365644	3.17626E-05	0.002016117	0.000731011	0.521975815	2.19332E-06	0.001568004	0.001006265	0.001966557	0.004435007
2034 Dec	0.059840232	2.5468E-05	7.61151886	12.11143303	0.10487631	0.002111819	111.3013458	0.01375918	0.007374591	3.1742E-05	0.002012507	0.000729765	0.521175146	2.19322E-06	0.001565335	0.001004826	0.001965138	0.00442698
2035 Jan	0.059992757	2.54517E-05	7.605584621	12.10312462	0.104854956	0.002110093	111.1918564	0.013746376	0.007380034	3.21082E-05	0.00201049	0.000729074	0.520800233	2.19303E-06	0.001563781	0.001004745	0.001964419	0.00442231
2035 Feb	0.060169719	2.54437E-05	7.603387356	12.10114765	0.10491199	0.002109137	111.1397934	0.013740516	0.007383813	3.26164E-05	0.002009551	0.000728759	0.520694971	2.19297E-06	0.001563007	0.001005367	0.001964229	0.004419966
2035 Mar	0.060269907	2.54409E-05	7.602660656	12.10081863	0.104949571	0.002108746	111.1183014	0.013738173	0.00738633	3.28954E-05	0.002009163	0.000728632	0.520669818	2.19307E-06	0.001562682	0.001005767	0.001964247	0.004418961
2035 Apr	0.060396936	2.54689E-05	7.611081123	12.11469269	0.105092898	0.002110973	111.2351913	0.013752803	0.007396345	3.30924E-05	0.002011277	0.000729407	0.52126056	2.19567E-06	0.001564313	0.001007164	0.00196654	0.004423524
2035 May	0.066412888	2.54292E-05	7.615963459	12.17105675	0.108458787	0.002090004	110.0651169	0.013712573	0.007481887	6.93526E-05	0.002007567	0.000728967	0.52304846	2.20511E-06	0.001555452	0.001046002	0.001995089	0.004397002
2035 Jun	0.091175437	2.30925E-05	6.762125969	10.96222305	0.113909967	0.001650682	86.15735626	0.011999642	0.007208589	0.000257885	0.00181948	0.000645703	0.468435973	2.15669E-06	0.001327814	0.001211661	0.002284695	0.003757588
2035 Jul	0.073384233	2.63416E-05	7.950723171	12.72012138	0.123436794	0.001970932	103.0790634	0.014446237	0.006460299	0.000178612	0.002195766	0.000773726	0.546316028	2.23699E-06	0.001618382	0.001266265	0.002422123	0.004626863
2035 Aug	0.03819827	3.29426E-05	10.70350456	16.94440079	0.151308328	0.002790803	142.0763855	0.019862324	0.004505777	4.63649E-05	0.002969611	0.001064297	0.732874393	2.30364E-06	0.002262608	0.001363184	0.002408269	0.00654022
2035 Sep	0.058654301	2.61169E-05	7.830385208	12.44054508	0.108027183	0.00216033	100.5407486	0.014174026	0.007217144	3.21832E-05	0.002075039	0.000752984	0.535864651	2.23248E-06	0.001611065	0.001023964	0.002010394	0.004565149
2035 Oct	0.059446022	2.61155E-05	7.855460167	12.49895668	0.108402178	0.002172189	100.9899368	0.014228435	0.007328278	3.23708E-05	0.002084568	0.000755009	0.537958205	2.2181E-06	0.001619442	0.001035713	0.002006063	0.004586688
2035 Nov	0.057372931	2.66366E-05	8.098198891	12.8842001	0.112030812	0.002226959	104.5784149	0.014716024	0.007076761	3.27147E-05	0.002161795	0.000781479	0.554718614	2.20968E-06	0.001676169	0.001065532	0.002030669	0.004758627
2035 Dec	0.057550564	2.6562E-05	8.066567421	12.8339777	0.111564562	0.00221953	104.1218872	0.014653621	0.00709823	3.26544E-05	0.002152036	0.000778104	0.552537799	2.20895E-06	0.001668936	0.001061595	0.002026576	0.004736938
2036 Jan	0.057748456	2.65395E-05	8.058310509	12.82229328	0.11152754	0.002217162	103.9908371	0.014635941	0.007105521	3.31216E-05	0.002149254	0.00077715	0.552012324	2.20867E-06	0.001666798	0.00106141	0.00202556	0.004730515
2036 Feb	0.057977568	2.65278E-05	8.054980278	12.81895924	0.111594252	0.002215803	103.9261551	0.014627429	0.007110439	3.37774E-05	0.002147896	0.000776692	0.55184263	2.20853E-06	0.001665689	0.001062151	0.002025227	0.004727167
2036 Mar	0.058101799	2.65216E-05	8.053206444	12.81720161	0.111630775	0.002215075	103.8915253	0.014622875	0.007113127	3.41325E-05	0.002147169	0.000776448	0.551752746	2.20846E-06	0.001662555	0.001062555	0.002025055	0.004725372
2036 Apr	0.058855139	2.66032E-05	8.088849068	12.88118267	0.112580299	0.002221784	104.1953888	0.014683903	0.007118717	3.6719E-05	0.002156394	0.000779736	0.55442965	2.21222E-06	0.001671663	0.001071428	0.002031584	0.004744557
2036 May	0.061386593	2.68461E-05	8.191234589	13.06664371	0.11546123	0.002239658	104.9928436	0.01485647	0.007149043	4.76229E-05	0.002182822	0.00078927	0.562161684	2.22596E-06	0.00168992	0.001099325	0.00205484	0.004797721
2036 Jun	0.073069468	2.364E-05	6.848248005	10.93482685	0.104909427	0.001731139	79.93173218	0.012322679	0.007020709	0.000143692	0.001867331	0.000657197	0.469343454	2.1713E-06	0.001376528	0.00111524	0.002268763	0.003902419
2036 Jul	0.064876594	2.48008E-05	7.27434063	11.54726315	0.108315453	0.00182619	83.96067047	0.013237481	0.006527578	0.000116089	0.002016593	0.00070534	0.496713787	2.18799E-06	0.001483964	0.001138864	0.002345009	0.004231302
2036 Aug	0.064271688	2.53992E-05	7.498170376	11.90073681	0.111235656	0.001885687	86.59204865	0.013666238	0.00648508	0.000114071	0.002079326	0.000728402	0.512074411	2.21154E-06	0.001533777	0.001157851	0.002365804	0.004378017
2036 Sep	0.061585177	2.62911E-05	7.878578186	12.50449657	0.115947373	0.001996154	91.087677	0.014400587	0.006315501	0.000105624	0.002184886	0.000767885	0.538370073	2.22196E-06	0.001620783	0.001184998	0.002370973	0.004634404
2036 Oct	0.060792092	2.63157E-05	7.90630579	12.55243587	0.115456372	0.002024857	91.18477631	0.014443297	0.006382298	9.62251E-05	0.00218262	0.000769786	0.540445507	2.21535E-06	0.001628223	0.001169471	0.00232481	0.004652004
2036 Nov	0.060586348	2.63412E-05	7.920496941	12.57578754	0.115476958	0.002032851	91.30994415	0.014468698	0.006391443	9.42776E-05	0.002184713	0.000771074	0.541457891	2.2143E-06	0.001631685	0.001167273	0.002316315	0.004661384
2036 Dec	0.060552128	2.63307E-05	7.917464733	12.57122326	0.115374826	0.002033542	91.25653839	0.014462063	0.006397805	9.36592E-05	0.00218311	0.00077069	0.541259766	2.21356E-06	0.00163108	0.001165664	0.002312611	0.004659291
2037 Jan	0.06058567	2.63271E-05	7.91615057	12.56938553	0.115368523	0.002033196	91.237854	0.014459201	0.006399258	9.37256E-05	0.002182645	0.000770535	0.541176856	2.21353E-06	0.001630736	0.001165617	0.002312389	0.004658249
2037 Feb	0.060624868	2.63256E-05	7.915729523	12.56904984	0.115381092	0.002033021	91.22989655	0.014458013	0.00640027	9.38303E-05	0.002182446	0.00077047	0.541157961	2.21354E-06	0.001630579	0.001165747	0.002312334	0.004657766
2037 Mar	0.060654886	2.63285E-05	7.916621685	12.57064819	0.115404338	0.002033213	91.23848724	0.014459414	0.00640173	9.39008E-05	0.002182647	0.000770544	0.54122436	2.21386E-06	0.001630725	0.001165984	0.002312633	0.004658162
2037 Apr	0.060692057	2.63388E-05	7.919751167	12.57572174	0.115455769	0.002033996	91.27358246	0.014465	0.006404682	9.39721E-05	0.002183484	0.000770842	0.541441441	2.21478E-06	0.001631347	0.001166505	0.002313568	0.004659931
2037 May	0.073594473	2.54175E-05	7.616054058	12.19706821	0.117317133	0.001928103	86.06720734	0.013766056	0.006733525	0.000162486	0.002074997	0.000736518	0.523666799	2.20339E-06	0.001543499	0.001195329	0.002290533	0.004396048
2037 Jun	0.084926903	2.51996E-05	7.645375729	12.35843372	0.124683358	0.001897787	82.58080292	0.01372163	0.006775957	0.000237397	0.0020693	0.000737973	0.529227674	2.18316E-06	0.001531435	0.001271253	0.002301438	0.004360422
2037 Jul	0.083618231	2.55525E-05	7.76320076	12.53265381	0.125716969	0.001928368	83.5388031	0.013960783	0.00674155	0.000230745	0.002106787	0.000750464	0.536923409	2.19915E-06	0.001559482	0.001279905	0.002325566	0.004443751
2037 Aug	0.082509905	2.60236E-05	7.939254761	12.80594826	0.127799988	0.001975741	85.24517059	0.014304328	0.006689979	0.000226301	0.0021582	0.000768791	0.548863173	2.21562E-06	0.001599662	0.001294665	0.00234589	0.004562427
2037 Sep	0.081219777	2.63425E-05	8.06144619	12.99310589	0.128983557	0.002011949	86.34207916	0.014545186	0.006646703	0.000220156	0.002193449	0.000781523	0.557087123	2.22408E-06	0.00162833	0.001301246	0.002353515	0.004646849
2037 Oct	0.07962583	2.63482E-05	8.064809799	12.98863602	0.128026322	0.002024163	86.02616119	0.014559957	0.006647049	0.000209189	0.002192619	0.000781807	0.557039797	2.21941E-06	0.001631734	0.001287534	0.002332965	0.004655718
2037 Nov	0.079437941	2.63342E-05	8.05807209	12.97634602	0.127760425	0.002024544	85.89226532	0.014547609	0.006655886	0.00020739	0.002190133	0.000781051	0.556528628	2.2191E-06	0.00163057	0.001284407	0.002328967	0.004651927
2037 Dec	0.079444438	2.63343E-05	8.057849884	12.97597885	0.127754986	0.002024534	85.88864136	0.014547086	0.006656989	0.000207373	0.002190036	0.000781021	0.556512475	2.21924E-06	0.00163051	0.001284361	0.002328979	0.004651725
2038 Jan	0.079454385	2.63332E-05	8.057432175	12.97538567	0.127752408	0.002024428	85.88315582	0.014546186	0.006657472	0.000207388	0.002189889	0.000780971	0.556485891	2.21924E-06	0.001630402	0.001284341	0.002328912	0.004651397
2038 Feb	0.079466596	2.63326E-05	8.057276726	12.97524261	0.127755985	0.002024367	85.88058472	0.014545768	0.006657789	0.000207418	0.00218982	0.000780949	0.556478322	2.21924E-06	0.001630348	0.001284379	0.00232889	0.004651231
2038 Mar	0.079475343	2.6333E-05	8.057402611	12.97550392	0.12776126	0.002024387	85.88143158	0.014545921	0.006658136	0.00020744	0.002189839	0.000780957	0.556488752	2.2193E-06	0.001630361	0.001284433	0.00232894	0.004651262
2038 Apr	0.079508103	2.63425E-05	8.060292244	12.98019028	0.127808943	0.002025106	85.91194153	0.014551096	0.006660662	0.000207525	0.002190616	0.000781234	0.556689322	2.2201E-06	0.001630939	0.001284912	0.002329782	0.004652907
2038 May	0.082004905	2.62201E-05	8.019712448	12.9352417	0.128400832	0.002009332	85.02653503	0.014450522	0.006729663	0.000220558	0.002174938	0.000776429	0.554479241	2.22148E-06	0.001617928	0.001292711	0.002329661	0.004613445
2038 Jun	0.089777574	2.56273E-05	7.841745377	12.7198143	0.130055204	0.00194085	80.29995728	0.014043311	0.006854681	0.000266164	0.002113983	0.000756764	0.544274092	2.20347E-06	0.001566226	0.001317038	0.002319323	0.004459987
2038 Jul	0.089817293	2.58041E-05	7.888311386	12.78876972	0.130536973	0.001952323	80.56634521	0.014132886	0.006892405	0.00026468	0.002128348	0.000761408	0.547293663	2.21966E-06	0.00157636	0.001323126	0.002338819	0.004489229
2038 Aug	0.088851124	2.62083E-05	8.035070419	13.01499462	0.132199705	0.00199235	81.6662674	0.014418961	0.006858077	0.000260238	0.002171049	0.000776637	0.557198465	2.23592E-06	0.001609807	0.00133475	0.002357226	0.004587828
2038 Sep	0.087190919	2.64703E-05	8.138792992	13.17077255	0.13297233	0.002024521	82.2328186	0.014628737	0.006800207	0.000252335	0.002201747	0.000787609	0.564090133	2.23917E-06	0.001635164	0.001337504	0.002359638	0.004662821
2038 Oct	0.086179532	2.64831E-05	8.14279747	13.17028046	0.132410109	0.002031779	81.92870331	0.014642578	0.00679726	0.000245577	0.00220235	0.000788032	0.564166307	2.23711E-06	0.001637737	0.001329755	0.002349579	0.004669869
2038 Nov	0.086139187	2.64871E-05	8.143467903	13.17089081	0.132375926	0.002032458	81.91005707	0.014643933	0.006800476	0.000245127	0.002202416	0.000788079	0.564198017	2.23757E-06	0.001637951	0.001329298	0.002349241	0.004670386
2038 Dec	0.086142816	2.64855E-05	8.142698288	13.16964531	0.132362142	0.002032309	81.90130615	0.014642401	0.006801346	0.000245102	0.002202167	0.000787995	0.564144135	2.2376E-06	0.001637776	0.001329175	0.00234913	0.004669852
2039 Jan	0.086150281	2.64846E-05	8.142355919	13.16915226	0.132359743	0.002032222	81.89710236	0.014641667	0.006801717	0.000245111	0.002202048	0.000787955	0.564122081	2.2376E-06	0.001637689	0.001329155	0.002349074	0.004669586
2039 Feb	0.086159676	2.64841E-05	8.142217636	13.16901398	0.132362247	0.002032171	81.89505005	0.014641311	0.006801955	0.000245134	0.002201989	0.000787935	0.564114988	2.23759E-06	0.001637643	0.001329182	0.002349053	0.004669447
2039 Mar	0.086171888	2.6486E-05	8.142811775	13.17002106	0.13237448	0.00203231	81.90066528	0.014642321	0.006802644	0.000245166	0.002202138	0.000787989	0.564157546	2.23778E-06	0.001637753	0.001329305	0.002349235	0.004669755
2039 Apr	0.08620169	2.64941E-05	8.145310402	13.17408657	0.132416561	0.002032928	81.92557526	0.014646779	0.006804841	0.00024525	0.002202807	0.000788229	0.564331353	2.23847E-06	0.001638249	0.001329728	0.002349961	0.004671169
2039 May	0.08633896	2.65445E-05	8.161986351	13.20117474	0.132691562	0.002037047	82.06182098	0.014677166	0.006813784	0.00024575	0.002207389	0.000789871	0.565492511	2.24209E-06	0.001641672	0.001332375	0.002354042	0.004681029
2039 Jun	0.082878858	2.57852E-05	7.821631432	12.61222267	0.125974968	0.001945868	76.60882568	0.014076711	0.006780794	0.000224805	0.002125472	0.00075637	0.540526152	2.22035E-06	0.001572939	0.001285	0.002352159	0.004482424
2039 Jul	0.078660049	2.58188E-05	7.823449612	12.57912254	0.124137864	0.001947805	74.43666077	0.014128189	0.006611534	0.000204769	0.002135921	0.000758247	0.539559245	2.20922E-06	0.00158066	0.001263953	0.00234694	0.00450965
2039 Aug	0.077282824	2.58416E-05	7.820725441	12.56058502	0.123163179	0.001950501	73.47814178	0.014136364	0.006564876	0.000196141	0.00213442	0.000758401	0.538952172	2.20962E-06	0.001582372	0.001245476	0.002326922	0.004516016
2039 Sep	0.076837994	2.59839E-05	7.874343395	12.64345741	0.123709016	0.001966674	73.70236969	0.014240505	0.006555533	0.00019376	0.002149491	0.00076391	0.542581618	2.21437E-06	0.001594747	0.001248723	0.002330543	0.004552206

Appendix D.2-26: WN01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Oct	0.076462664	2.60206E-05	7.88999176	12.66666508	0.123728648	0.001973214	73.64041901	0.014272207	0.006551011	0.000191488	0.002153605	0.000765513	0.543614626	2.21403E-06	0.001598804	0.001247652	0.002327618	0.004563909
2039 Nov	0.076483794	2.60242E-05	7.890725613	12.66783524	0.123737499	0.001973469	73.6450882	0.014273344	0.006553629	0.000191492	0.002153748	0.00076557	0.543664277	2.21455E-06	0.001598928	0.001247756	0.002327953	0.004564216
2039 Dec	0.076488227	2.60245E-05	7.890740395	12.66786003	0.123737305	0.001973488	73.64490509	0.014273317	0.006554187	0.000191492	0.002153737	0.000765568	0.543665171	2.21464E-06	0.001598924	0.001247759	0.002327997	0.004564191
2040 Jan	0.076491825	2.60241E-05	7.890575409	12.66762447	0.123736218	0.001973446	73.64305878	0.014272964	0.006554355	0.000191497	0.00215368	0.000765549	0.543654561	2.21463E-06	0.001598882	0.00124775	0.002327968	0.004564064
2040 Feb	0.076496556	2.60239E-05	7.890533447	12.66759682	0.123737819	0.001973428	73.64239502	0.014272837	0.006554486	0.000191509	0.002153659	0.000765542	0.543652833	2.21464E-06	0.001598865	0.001247767	0.002327964	0.004564011
2040 Mar	0.076504759	2.60258E-05	7.891093254	12.66851616	0.123747811	0.001973563	73.64746094	0.01427382	0.00655504	0.00019153	0.002153805	0.000765595	0.543692052	2.2148E-06	0.001598974	0.001247868	0.002328134	0.004564319
2040 Apr	0.076526068	2.60325E-05	7.893131256	12.67180157	0.123780452	0.00197407	73.66640472	0.014277493	0.006556784	0.000191583	0.002154359	0.000765792	0.543832839	2.21538E-06	0.001599384	0.001248197	0.002328738	0.004565489
2040 May	0.077367373	2.60081E-05	7.883969784	12.66339588	0.124017112	0.001970151	73.4590683	0.014252055	0.006585201	0.000195718	0.002150327	0.000764605	0.543383121	2.21739E-06	0.001595983	0.001251234	0.002330088	0.004554959
2040 Jun	0.082673557	2.54069E-05	7.679575443	12.38120556	0.123795763	0.001903606	69.54817963	0.013815875	0.006707806	0.000224876	0.002085048	0.000742524	0.530594707	2.20128E-06	0.00154249	0.001257876	0.00231618	0.004396048
2040 Jul	0.081923358	2.56101E-05	7.751849651	12.49002552	0.124519847	0.001922428	69.6475296	0.01396157	0.006681359	0.000221542	0.002107881	0.000750179	0.535381079	2.20862E-06	0.001559597	0.001264225	0.002329562	0.004446864
2040 Aug	0.081509136	2.58201E-05	7.828700542	12.60937691	0.125427544	0.001943071	69.97572327	0.01411108	0.006664818	0.00021969	0.002130183	0.000758147	0.540590465	2.21689E-06	0.001577057	0.001270598	0.002338808	0.004498345
2040 Sep	0.080851302	2.59477E-05	7.878355503	12.68456364	0.125871852	0.001958119	70.04412079	0.014209325	0.006638805	0.000216721	0.002144389	0.000763357	0.543916523	2.21972E-06	0.001588775	0.001272367	0.002340572	0.004532975
2040 Oct	0.080708265	2.59543E-05	7.87954855	12.68531513	0.125755355	0.001960183	69.91911316	0.014211811	0.006646799	0.000215308	0.002144254	0.000763415	0.543963969	2.22032E-06	0.001589274	0.001270731	0.002338454	0.0045341
2040 Nov	0.080715388	2.59582E-05	7.880369186	12.6865387	0.125755936	0.001960577	69.91427612	0.014213173	0.006649567	0.000215209	0.002144398	0.00076348	0.544017255	2.22081E-06	0.001589441	0.001270713	0.0023386	0.004534516
2040 Dec	0.080717973	2.59581E-05	7.880249977	12.68634796	0.125753641	0.001960561	69.91294861	0.01421291	0.006649954	0.000215205	0.002144352	0.000763466	0.544008851	2.22085E-06	0.00158941	0.001270694	0.002338601	0.004534418
2041 Jan	0.080721609	2.59578E-05	7.880152225	12.68621635	0.125753403	0.001960536	69.91182709	0.014212685	0.006650144	0.00021521	0.002144315	0.000763453	0.544002831	2.22086E-06	0.001589383	0.001270694	0.002338589	0.004534333
2041 Feb	0.080726065	2.59578E-05	7.88014555	12.6862402	0.125755295	0.001960528	69.9115448	0.014212627	0.006650285	0.000215221	0.002144304	0.00076345	0.544003367	2.22087E-06	0.001589374	0.001270713	0.002338594	0.004534304
2041 Mar	0.080732733	2.59591E-05	7.880554676	12.68691826	0.12576291	0.001960626	69.91504669	0.01421334	0.00665071	0.000215239	0.00214441	0.000763488	0.544032216	2.221E-06	0.001589452	0.00127079	0.00233872	0.004534525
2041 Apr	0.080748655	2.59638E-05	7.881971836	12.68921185	0.125786126	0.001960976	69.9275589	0.014215883	0.006651952	0.000215281	0.002144793	0.000763625	0.544130385	2.2214E-06	0.001589736	0.001271025	0.002339143	0.004535333
2041 May	0.080890335	2.59869E-05	7.889665604	12.70230579	0.125948414	0.001962722	69.95917511	0.014229159	0.006658528	0.00021591	0.002146779	0.00076436	0.544683695	2.22332E-06	0.001591186	0.001272643	0.002341266	0.004539454
2041 Jun	0.079586439	2.55299E-05	7.688619137	12.36120033	0.12229678	0.001909044	66.94074249	0.013865793	0.006668428	0.000206971	0.002096301	0.000744259	0.530143321	2.21173E-06	0.001549338	0.001247721	0.002338866	0.004417626
2041 Jul	0.07731726	2.55411E-05	7.690461159	12.34593678	0.121444501	0.001909863	65.3292923	0.013894933	0.006577269	0.000196878	0.002103296	0.000745352	0.529719174	2.20423E-06	0.001553614	0.001240698	0.00234233	0.004432504
2041 Aug	0.077263504	2.57101E-05	7.748588085	12.43704987	0.122190878	0.001925274	65.56639862	0.014005462	0.006582954	0.000196264	0.002119722	0.000751258	0.533677995	2.21361E-06	0.001566375	0.001246519	0.00235184	0.004469786
2041 Sep	0.076897189	2.58353E-05	7.796914101	12.51219177	0.122738481	0.001939063	65.6619873	0.014099478	0.006568018	0.000194693	0.002133538	0.000756268	0.536964417	2.21726E-06	0.001577463	0.001250065	0.002355649	0.004502424
2041 Oct	0.076628894	2.58676E-05	7.810512066	12.53269386	0.122785091	0.00194444	65.54681396	0.014126654	0.006564841	0.000193059	0.002137106	0.000757656	0.53787148	2.21722E-06	0.001580894	0.001249486	0.0023536	0.004512331
2041 Nov	0.076642334	2.58714E-05	7.811223984	12.53376389	0.122783877	0.001944836	65.53795624	0.014127719	0.006568331	0.000192962	0.00213719	0.000757705	0.537917614	2.2178E-06	0.001581026	0.00124945	0.002353735	0.004512629
2041 Dec	0.076646112	2.58718E-05	7.811245441	12.53379917	0.122783862	0.001944855	65.53791809	0.014127714	0.006568803	0.000192962	0.002137183	0.000757704	0.537918925	2.21788E-06	0.001581024	0.001249454	0.002353774	0.004512613
2042 Jan	0.076649949	2.58717E-05	7.811195374	12.5337429	0.122784331	0.001944842	65.53728485	0.014127576	0.006569015	0.000192969	0.002137159	0.000757696	0.537916124	2.2179E-06	0.001581007	0.00124946	0.002353775	0.004512557
2042 Feb	0.076653838	2.58715E-05	7.811159611	12.53372002	0.122785628	0.001944826	65.53679657	0.014127471	0.006569122	0.000192979	0.002137141	0.00075769	0.537914753	2.2179E-06	0.001580993	0.001249474	0.002353771	0.004512514
2042 Mar	0.076658748	2.58724E-05	7.811424732	12.53416157	0.122790806	0.001944889	65.53890991	0.014127926	0.00656942	0.000192991	0.002137209	0.000757715	0.537933469	2.21798E-06	0.001581043	0.001249526	0.002353855	0.004512654
2042 Apr	0.076690502	2.58827E-05	7.814526558	12.53914928	0.122840136	0.001945659	65.56488037	0.014133523	0.00657207	0.000193071	0.002138055	0.000758015	0.53814739	2.21887E-06	0.001581668	0.001250028	0.002354791	0.004514438
2042 May	0.076991156	2.59114E-05	7.823395729	12.55504322	0.123076491	0.001947466	65.59060669	0.014147514	0.006586124	0.000194377	0.002140116	0.000758813	0.538807392	2.22202E-06	0.00158311	0.001252511	0.002358025	0.004518393
2042 Jun	0.076311	2.56705E-05	7.721096992	12.38221359	0.121271148	0.001919646	63.70173264	0.013963117	0.006581645	0.000190282	0.00211472	0.000748642	0.531434238	2.21423E-06	0.001561862	0.001240504	0.002356487	0.004456744
2042 Jul	0.075298943	2.5648E-05	7.705688	12.34758568	0.120560855	0.001915796	62.50550461	0.013945944	0.006550995	0.000185009	0.002113182	0.000747455	0.53005743	2.21216E-06	0.001560256	0.001234082	0.002356744	0.004453033
2042 Aug	0.074092545	2.56574E-05	7.715267181	12.35549927	0.120201714	0.001922514	61.70336914	0.013970309	0.006492342	0.000179523	0.00211486	0.000748726	0.530553579	2.20688E-06	0.001563713	0.001224905	0.00234166	0.004463964
2042 Sep	0.073488437	2.56516E-05	7.714575291	12.35042286	0.119897939	0.00192584	61.22083664	0.013970311	0.0064749	0.000176213	0.002113439	0.000748691	0.530419946	2.20501E-06	0.001564097	0.001219131	0.002332796	0.004465052
2042 Oct	0.073208608	2.56414E-05	7.713424206	12.34764576	0.119723938	0.001927783	60.95793533	0.013969321	0.006472084	0.000174428	0.002112607	0.000748561	0.53031832	2.20266E-06	0.001564329	0.001216461	0.002327242	0.004465529
2042 Nov	0.073240966	2.56511E-05	7.716096401	12.35190964	0.119761623	0.001928531	60.97405243	0.013974034	0.006475767	0.000174458	0.00211329	0.000748811	0.530501187	2.20362E-06	0.001564859	0.001216843	0.002328065	0.004467004
2042 Dec	0.073245034	2.56518E-05	7.716267586	12.35218334	0.119764037	0.001928583	60.97526932	0.013974313	0.00647622	0.000174461	0.002113328	0.000748825	0.530512869	2.20372E-06	0.00156489	0.00121687	0.002328139	0.004467084
2043 Jan	0.073247552	2.56517E-05	7.716219902	12.35212517	0.119764164	0.001928571	60.97476196	0.013974195	0.006476353	0.000174466	0.002113308	0.000748819	0.530510068	2.20373E-06	0.001564875	0.001216873	0.002328136	0.004467039
2043 Feb	0.073250368	2.56517E-05	7.716210842	12.3521328	0.119765297	0.001928564	60.97457886	0.013974151	0.00647644	0.000174473	0.0021133	0.000748816	0.530510128	2.20374E-06	0.001564868	0.001216884	0.002328138	0.004467017
2043 Mar	0.073253877	2.56524E-05	7.716413975	12.3524704	0.119769149	0.001928612	60.97611618	0.013974503	0.00647666	0.000174481	0.002113352	0.000748835	0.530524492	2.2038E-06	0.001564907	0.001216923	0.002328202	0.004467126
2043 Apr	0.073300518	2.56684E-05	7.721233368	12.3601923	0.119844332	0.001929815	61.01416397	0.013983221	0.006480734	0.000174592	0.00211467	0.000749302	0.530856013	2.20518E-06	0.001565883	0.001217688	0.002329657	0.004469911
2043 May	0.073797137	2.57119E-05	7.733977795	12.38326645	0.120200709	0.001932336	61.05643082	0.014002718	0.006505085	0.000176685	0.002117532	0.000750422	0.531809926	2.21043E-06	0.001567847	0.00122152	0.002334902	0.004475199
2043 Jun	0.076758727	2.5322E-05	7.601883888	12.19774437	0.119812638	0.001891035	58.92204285	0.013724879	0.006572803	0.000192857	0.002075609	0.000736246	0.523452222	2.19802E-06	0.001534109	0.001222436	0.002321694	0.004375084
2043 Jul	0.07675267	2.54752E-05	7.648623466	12.26932526	0.12035466	0.001902931	58.86616135	0.013814625	0.006590324	0.000191929	0.002089347	0.000740974	0.526569307	2.20904E-06	0.001544398	0.001227379	0.002333685	0.004405054
2043 Aug	0.076715671	2.56503E-05	7.706908703	12.36020565	0.121083625	0.001918854	58.97231293	0.013924317	0.006602068	0.000191117	0.002105428	0.000746841	0.530528426	2.21998E-06	0.001557031	0.001232876	0.002343583	0.004441781
2043 Sep	0.076339766	2.5718E-05	7.733305454	12.40000343	0.121300891	0.001927276	58.82315063	0.013976113	0.006588122	0.000189336	0.002112673	0.000749595	0.532296002	2.22156E-06	0.001563232	0.001233227	0.002343418	0.004460054
2043 Oct	0.07619755	2.56676E-05	7.713651657	12.3677206	0.120852195	0.001924848	58.46961212	0.013938346	0.006601898	0.000187531	0.002106109	0.00074747	0.530912697	2.21962E-06	0.001559176	0.001228366	0.002336247	0.00444761
2043 Nov	0.07614103	2.55926E-05	7.684118748	12.31999683	0.120297194	0.001919496	58.13097	0.013881207	0.006618733	0.000186117	0.002096709	0.000744321	0.52885592	2.21724E-06	0.001552807	0.001222826	0.002328605	0.004428373
2043 Dec	0.076145336	2.55927E-05	7.684039116	12.31986904	0.120295435	0.001919494	58.13010406	0.013880999	0.006619311	0.000186115	0.002096669	0.00074431	0.528850317	2.21732E-06	0.001552782	0.001222814	0.002328628	0.004428287
2044 Jan	0.076149464	2.55927E-05	7.683987141	12.31981373	0.120295987	0.001919481	58.12952423	0.013880856	0.006619539	0.000186122	0.002096644	0.000744302	0.528847456	2.21734E-06	0.001552764	0.001222821	0.002328629	0.004428228
2044 Feb	0.076157361	2.55938E-05	7.68432045	12.32038307	0.120303221	0.001919557	58.1318779	0.013881413	0.006619974	0.000186141	0.002096726	0.000744331	0.528871477	2.21745E-06	0.001552824	0.001222895	0.002328738	0.004428395
2044 Mar	0.076167554	2.55963E-05	7.685097218	12.32164955	0.120316476	0.001919747	58.13766098	0.013882792	0.006620723	0.000186167	0.002096933	0.000744405	0.528925478	2.21768E-06	0.001552977	0.00122303	0.002328977	0.004428829
2044 Apr	0.076188572	2.56029E-05	7.687079906	12.32483673	0.120348126	0.00192024	58.15260315	0.013886359	0.006622474	0.000186218	0.002097471	0.000744596	0.529062271	2.21826E-06	0.001553375	0.001223352	0.00232958	0.004429963
2044 May	0.07635612	2.56496E-05	7.701169968	12.34767056	0.120582551	0.001923702	58.25051498	0.013911547	0.006635273	0.000186711	0.002101269	0.000745954	0.53003931	2.22236E-06	0.001556177	0.00122574	0.002333888	0.004437936
2044 Jun	0.069534302	2.26691E-05	6.844804764	10.94311714	0.106263891	0.001692475	50.56018448	0.012260791	0.006378028	0.000171484	0.001847419	0.000658558	0.467837989	2.18356E-06	0.001365813	0.001090538	0.002160297	0.003889153
2044 Jul	0.05553114	1.72088E-05	5.342247486	8.468914032	0.080331877	0.001288435	38.63747406	0.009345711	0.005872265	0.000139926	0.001393509	0.000504734	0.357727587	2.14177E-06	0.00102997	0.000835944	0.001825218	0.002922538
2044 Aug	0.044510659	1.29446E-05	4.188306332	6.568486214	0.060354341	0.000976406	29.73708153	0.007065547	0.005451693	0.000112134	0.001040675	0.00038553	0.273243189	2.11341E-06	0.000769258	0.000636371	0.001564039	0.002172063
2044 Sep	0.037705529	1.04955E-05	3.544953585	5.498356342	0.048890289	0.00080051	24.5812664	0.005752044	0.005206806	9.4052E-05	0.000839934	0.000317691	0.225828663	2.08916E-06	0.000621197	0.000519186	0.0014104	0.00174633
2044 Oct	0.03527863	9.58741E-06	3.308518171	5.100793839	0.044599224	0.00073511	22.68541908	0.005261917	0.005150816	8.89923E-05	0.000764986	0.000292333	0.20816955	2.08002E-06	0.000565901	0.000475842	0.00135351	0.001587215
2044 Nov	0.035302326	9.59314E-06	3.30960083	5.102596283	0.044613209	0.000735556	22.68545914	0.005263965	0.005153349	8.89655E-05	0.000765259	0.000292432	0.208251446	2.0802E-06	0.000566142	0.000475978	0.001353747	0.001587849
2044 Dec	0.035303622	9.59332E-06	3.309641361	5.102659702	0.044613689	0.000735569	22.68569946	0.005264021	0.005153514	8.89665E-05	0.000765265	0.000292435	0.208254024	2.08024E-06	0.000566148	0.000475984	0.00135377	0.001587863
2045 Jan	0.035304599	9.59333E-06	3.30963397	5.102655411	0.044613928	0.000735567	22.68561554	0.005264001	0.005153557	8.89682E-05	0.000765262	0.000292434	0.208253801	2.08024E-06	0.000566146	0.000475987	0.00135377	0.001587854
2045 Feb	0.035305645	9.59333E-06	3.309635401	5.102665901	0.044614427	0.000735566	22.68559456	0.005263995	0.005153586	8.89708E-05	0.00076526	0.000292434	0.208254188	2.08024E-06	0.000566144	0.000475992	0.001353771	0.00158785
2045 Mar	0.035307586	9.59371E-06	3.309764624	5.102869987	0.044616427	0.000735594	22.6864624	0.005264196	0.005153801	8.89757E-05	0.000765289	0.000292445	0.208262488	2.08032E-06	0.000566166	0.000476013	0.001353824	0.001587909
2045 Apr	0.035312831	9.59505E-06	3.310226679	5.103584766	0.044622805	0.000735696	22.68961906	0.005264929	0.005154529	8.89889E-05	0.000765396	0.000292485	0.20829165	2.08061E-06	0.000566244	0.000476081	0.001354013	0.00158813
2045 May	0.035344865	9.60371E-06	3.313215971	5.108195305	0.044663168	0.000736361	22.7101059	0.005269682	0.005159188	8.90697E-05	0.000766087	0.000292749	0.208479807	2.08249E-06	0.000566756	0.000476512	0.001355236	0.001589563
2045 Jun	0.034792874	9.33557E-06	3.222373724	4.95952177	0.043168172	0.000712517	21.84549141	0.005105468	0.005142911	8.73603E-05	0.000741114	0.000283769	0.201967821	2.07659E-06	0.000547515	0.000464022	0.001341977	0.001533853
2045 Jul	0.032732695	8.45718E-06	2.969709396	4.546005726	0.038909055	0.000645319	19.84118652	0.004630742	0.00507112	8.32355E-05	0.000666492	0.000258347	0.183545604	2.07046E-06	0.000492054	0.00042361	0.001289438	0.001373983
2045 Aug	0.030125594	7.44984E-06	2.698213816	4.100840092	0.034246445	0.000572129	17.79305267	0.00409739	0.004961227	7.64693E-05	0.000583652	0.000230468	0.163732082	2.06528E-06	0.000430964	0.000376712	0.001227477	0.001198184
2045 Sep	0.027954752	6.68336E-06	2.502726555	3.774496794	0.030731145	0.000517866	16.26829147	0.003688875	0.004882077	7.06254E-05	0.000521695	0.000209584	0.149270907	2.05838E-06	0.000385271	0.000340217	0.00117971	0.001066919
2045 Oct	0.02704359	6.3473E-06	2.418832302	3.631728888	0.029176772	0.000493921	15.61972523	0.003509034	0.004865936	6.90791E-05	0.000494409	0.000200377	0.142913789	2.05574E-06	0.000365096	0.000324352	0.001159116	0.001008967
2045 Nov	0.027046889	6.34798E-06	2.419074774	3.632093668	0.029179664	0.000493973	15.62126827	0.003509381	0.00486649	6.90859E-05	0.000494457	0.000200397	0.142928168	2.05595E-06	0.000365132	0.000324385	0.001159236	0.001009065
2045 Dec	0.027047757	6.34814E-06	2.41912365	3.632167578	0.029180238	0.000493985	15.62157249	0.003509449	0.004866625	6.90872E-05	0.000494466	0.000200401	0.142931089	2.056E-06	0.000365139	0.000324392	0.001159262	0.001009083
2046 Jan	0.027048238	6.34817E-06	2.419131517	3.63218236	0.029180465	0.000493987	15.62161255	0.003509458	0.004866659	6.90882E-05	0.000494467	0.000200401	0.142931655	2.056E-06	0.00036514	0.000324394	0.001159267	0.001009085
2046 Feb	0.027048757	6.3482E-06	2.419143677	3.632203817	0.029180795	0.000493989	15.62168121	0.003509473	0.004866692	6.90895E-05	0.000494469	0.000200402	0.142932504	2.05601E-06	0.000365141	0.000324397	0.001159272	0.001009088
2046 Mar	0.027050268	6.34851E-06	2.419260025	3.632380724	0.0291823	0.000494012	15.62242699	0.00350964	0.00486693	6.90933E-05	0.000494493	0.000200411	0.142939463	2.05611E-06	0.000365159	0.000324414	0.001159328	0.001009136
2046 Apr	0.027055956	6.34982E-06	2.419758081	3.63312912	0.029188365	0.000494114	15.62563896	0.003510362	0.004867935	6.91078E-05	0.000494594	0.000200453	0.142968908	2.05653E-06	0.000365234	0.000324481	0.001159567	0.001009343
2046 May	0.027091242	6.3556E-06	2.421768188	3.636321306	0.029221153	0.000494531	15.63631916	0.0035134	0.004871625	6.92298E-05	0.000495031	0.000200625	0.143097579	2.05789E-06	0.000365551	0.000324837	0.00116045	0.00101022
2046 Jun	0.027184421	6.31303E-06	2.395551443	3.594896078	0.028878683	0.000487952	15.29882622	0.003472151	0.004875071	6.92886E-05	0.000489097	0.000198201	0.141343951	2.05323E-06	0.000360523	0.000323248	0.001160028	0.000995418
2046 Jul	0.026479395	6.01251E-06	2.302529812	3.443870068	0.027348546	0.000463905	14.48214626	0.003307293	0.004844569	6.79198E-05	0.000462994	0.000189154	0.134650409	2.04745E-06	0.000341009	0.000309289	0.001141181	0.000939201
2046 Aug	0.025305787	5.5557E-06	2.179784536	3.243311405	0.025249723	0.000430956	13.58508968	0.003066967	0.004792853	6.47557E-05	0.000425476	0.000176596	0.125709847	2.04643E-06	0.000313427	0.00028801	0.00111305	0.000859799

Appendix D.2-26: WN01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Sep	0.024206543	5.1827E-06	2.086176872	3.086631536	0.023544421	0.000405083	12.85399437	0.002867859	0.004751076	6.15761E-05	0.000395409	0.000166495	0.118790045	2.04176E-06	0.000291377	0.000269847	0.001088699	0.000796469
2046 Oct	0.023750968	5.01699E-06	2.045295	3.016440153	0.022763534	0.000393582	12.52569771	0.002777857	0.004746578	6.07652E-05	0.000381783	0.000161907	0.115676425	2.03932E-06	0.000281408	0.000261709	0.001077648	0.000767774
2046 Nov	0.023761841	5.01992E-06	2.045909405	3.017462492	0.022772443	0.000393807	12.52661419	0.002779042	0.004747584	6.07596E-05	0.00038195	0.000161966	0.115722612	2.03938E-06	0.000281547	0.000261796	0.001077779	0.000768149
2046 Dec	0.023762623	5.02004E-06	2.045945883	3.01751709	0.022772836	0.000393815	12.52682686	0.002779089	0.004747708	6.07607E-05	0.000381956	0.000161968	0.115724728	2.03942E-06	0.000281551	0.000261801	0.001077801	0.000768161
2047 Jan	0.023763116	5.02006E-06	2.045950651	3.017527342	0.02277304	0.000393817	12.52684498	0.002779093	0.004747738	6.07616E-05	0.000381956	0.000161969	0.115725115	2.03943E-06	0.000281552	0.000261803	0.001077804	0.000768161
2047 Feb	0.023763685	5.02009E-06	2.045962811	3.017549038	0.022773385	0.000393818	12.52690792	0.002779107	0.004747774	6.0763E-05	0.000381958	0.000161969	0.115725957	2.03944E-06	0.000281553	0.000261807	0.00107781	0.000768164
2047 Mar	0.023765696	5.02047E-06	2.046115637	3.017776966	0.022775205	0.000393848	12.52783966	0.002779313	0.004748133	6.07681E-05	0.000381986	0.000161981	0.115734689	2.03959E-06	0.000281574	0.000261827	0.00107789	0.000768221
2047 Apr	0.023768056	5.02094E-06	2.046307325	3.018060684	0.022777401	0.000393884	12.52900982	0.002779573	0.004748581	6.07742E-05	0.000382022	0.000161997	0.115745574	2.03978E-06	0.0002816	0.000261853	0.001077991	0.000768292
2047 May	0.023901476	5.03008E-06	2.048540592	3.022485733	0.022860704	0.000394301	12.53330421	0.002782911	0.004753899	6.13377E-05	0.000382518	0.000162191	0.115930595	2.04044E-06	0.000281918	0.000262767	0.001079008	0.00076911
2047 Jun	0.024493108	5.02341E-06	2.041024923	3.016039848	0.023046494	0.000391902	12.37353992	0.002770314	0.004764666	6.42789E-05	0.000380442	0.000161494	0.11563205	2.03699E-06	0.000280057	0.000265316	0.001078852	0.000763323
2047 Jul	0.024035644	4.81785E-06	1.98207581	2.919874907	0.022051563	0.000376341	11.9524231	0.002662937	0.004753311	6.36562E-05	0.000363009	0.000155655	0.111293547	2.0389E-06	0.000267199	0.000256005	0.001067101	0.000726218
2047 Aug	0.023317764	4.55236E-06	1.910973191	2.803621054	0.0208208	0.000357294	11.447299	0.002524354	0.004721915	6.15724E-05	0.000341326	0.000148409	0.106104203	2.03941E-06	0.000251271	0.000243532	0.001051118	0.000680381
2047 Sep	0.022592746	4.32413E-06	1.854843855	2.708990812	0.019770129	0.000341658	11.01599026	0.002402971	0.004694715	5.93448E-05	0.000323138	0.000142294	0.101931669	2.03664E-06	0.000237939	0.000232216	0.001036269	0.000642142
2047 Oct	0.022283308	4.22084E-06	1.830030918	2.665800571	0.019278077	0.00033459	10.81759834	0.002347081	0.004692269	5.87911E-05	0.000314746	0.000139461	0.100018874	2.03485E-06	0.000231805	0.00022704	0.001029266	0.000624518
2047 Nov	0.022294765	4.22402E-06	1.83065331	2.666854858	0.01928753	0.000334833	10.81803226	0.002348342	0.004693185	5.87823E-05	0.000314925	0.000139523	0.100067519	2.03482E-06	0.000231954	0.00022713	0.001029369	0.000624924
2047 Dec	0.02229538	4.22411E-06	1.830679655	2.666893721	0.0192878	0.000334839	10.81818008	0.002348374	0.004693284	5.87831E-05	0.000314929	0.000139525	0.100069009	2.03485E-06	0.000231957	0.000227134	0.001029385	0.000624932
2048 Jan	0.022295889	4.22414E-06	1.830691695	2.666913986	0.019288054	0.000334842	10.81824207	0.002348387	0.00469333	5.87841E-05	0.000314931	0.000139526	0.100069784	2.03486E-06	0.000231959	0.000227137	0.001029392	0.000624935
2048 Feb	0.022296505	4.2242E-06	1.830712914	2.66694808	0.019288458	0.000334845	10.81835938	0.002348413	0.00469339	5.87857E-05	0.000314934	0.000139527	0.100071073	2.03488E-06	0.000231961	0.000227141	0.001029404	0.000624941
2048 Mar	0.022296753	4.22421E-06	1.830717206	2.666956425	0.019288599	0.000334846	10.81838226	0.002348417	0.004693404	5.87863E-05	0.000314934	0.000139528	0.100071386	2.03489E-06	0.000231961	0.000227143	0.001029406	0.000624942
2048 Apr	0.022300182	4.22479E-06	1.830962896	2.667323828	0.019291617	0.000334892	10.81973743	0.002348743	0.00469399	5.87953E-05	0.000314979	0.000139547	0.100085393	2.03513E-06	0.000231994	0.000227177	0.001029535	0.00062503
2048 May	0.022312285	4.22705E-06	1.831936121	2.668746233	0.019302087	0.00033507	10.82544613	0.002349996	0.004696467	5.88272E-05	0.000315147	0.000139621	0.100138865	2.0362E-06	0.000232118	0.000227299	0.001030079	0.000625364
2048 Jun	0.022387872	4.22881E-06	1.823856592	2.656216621	0.019209111	0.000333311	10.70780659	0.002340683	0.00469863	5.87897E-05	0.000313974	0.000138971	0.099641375	2.03317E-06	0.000230911	0.000227362	0.00103109	0.000621738
2048 Jul	0.022219412	4.1316E-06	1.789276361	2.600634098	0.018665047	0.00032461	10.4180727	0.002283354	0.004692177	5.8512E-05	0.000304794	0.000135715	0.09718585	2.03096E-06	0.000223938	0.000222869	0.00102549	0.000601547
2048 Aug	0.021754326	3.95883E-06	1.742524743	2.524548531	0.017862735	0.000312241	10.08949852	0.002192972	0.004669768	5.70875E-05	0.000290582	0.000130983	0.093795091	2.031E-06	0.000213544	0.00021462	0.001014674	0.000571626
2048 Sep	0.021247162	3.79781E-06	1.703665376	2.458913803	0.01713299	0.000301304	9.805380821	0.002107525	0.004650966	5.55304E-05	0.000277825	0.000126707	0.090899058	2.0293E-06	0.000204197	0.000206683	0.001004281	0.000544817
2048 Oct	0.021025224	3.72392E-06	1.686352015	2.428570747	0.01678581	0.000296303	9.671989441	0.002067698	0.004649682	5.51792E-05	0.000271871	0.000124701	0.089554794	2.02791E-06	0.000199848	0.000202995	0.000999216	0.000532332
2048 Nov	0.021038605	3.72614E-06	1.686616659	2.429047108	0.016789854	0.000296452	9.671757698	0.002068219	0.004650898	5.51726E-05	0.000271934	0.000124723	0.089577749	2.02793E-06	0.00019991	0.000203041	0.000999292	0.000532478
2048 Dec	0.021039125	3.72621E-06	1.686637282	2.429077625	0.016790055	0.000296457	9.671868324	0.002068243	0.004650983	5.51733E-05	0.000271937	0.000124725	0.089578889	2.02796E-06	0.000199912	0.000203044	0.000999306	0.000532484
2049 Jan	0.021039505	3.72623E-06	1.686642051	2.429086924	0.016790217	0.000296458	9.671889305	0.002068247	0.004651008	5.5174E-05	0.000271937	0.000124725	0.089579247	2.02796E-06	0.000199913	0.000203045	0.000999309	0.000532484
2049 Feb	0.021039881	3.72624E-06	1.686646819	2.429096699	0.016790425	0.000296458	9.671910286	0.002068251	0.004651026	5.51749E-05	0.000271938	0.000124725	0.089579627	2.02797E-06	0.000199913	0.000203048	0.000999312	0.000532484
2049 Mar	0.021040553	3.72633E-06	1.686686873	2.429156065	0.016790912	0.000296465	9.67213726	0.0020683	0.004651139	5.51767E-05	0.000271944	0.000124728	0.089581825	2.02801E-06	0.000199918	0.000203053	0.000999335	0.000532497
2049 Apr	0.021043193	3.72678E-06	1.686890602	2.429450512	0.016792988	0.000296501	9.67330265	0.002068549	0.004651702	5.51836E-05	0.000271977	0.000124743	0.089592688	2.02826E-06	0.000199942	0.000203078	0.000999456	0.000532561
2049 May	0.021060046	3.72928E-06	1.68789506	2.430971146	0.01680645	0.000296686	9.678297043	0.00206987	0.004654197	5.52384E-05	0.000272157	0.000124821	0.089650773	2.02927E-06	0.000200072	0.000203232	0.001	0.000532912
2049 Jun	0.021183591	3.73197E-06	1.680170178	2.419387579	0.016739212	0.000294978	9.587238312	0.002060407	0.004657557	5.54035E-05	0.000270961	0.000124182	0.089194469	2.02607E-06	0.000198855	0.000203496	0.00100095	0.000529218
2049 Jul	0.021047456	3.65546E-06	1.65414083	2.377716064	0.016332056	0.000288444	9.38748455	0.002017438	0.004651609	5.52755E-05	0.000263956	0.000121742	0.087342054	2.02462E-06	0.000193601	0.00020001	0.000996193	0.000514026
2049 Aug	0.020714097	3.52764E-06	1.62078166	2.323298216	0.015753314	0.000279401	9.166174889	0.001951957	0.004638053	5.42948E-05	0.000253611	0.000118333	0.084891923	2.02674E-06	0.000186024	0.00019411	0.000989051	0.0004922
2049 Sep	0.020334342	3.40832E-06	1.592433453	2.275342703	0.015217164	0.000271405	8.963677406	0.001888725	0.004623858	5.30989E-05	0.000244207	0.000115187	0.082778066	2.02534E-06	0.00017915	0.000188208	0.000981233	0.000472488
2049 Oct	0.020171227	3.35279E-06	1.579478383	2.252532244	0.01495496	0.000267668	8.866972923	0.00185842	0.004623756	5.28512E-05	0.000239687	0.000113664	0.081769258	2.02415E-06	0.000175859	0.000185403	0.000977328	0.000463025
2049 Nov	0.0201778	3.35394E-06	1.579661489	2.252841949	0.014957528	0.000267748	8.867146492	0.001858747	0.004624421	5.28499E-05	0.000239729	0.00011368	0.081783324	2.02421E-06	0.000175896	0.000185432	0.000977391	0.000463118
2049 Dec	0.020178309	3.35401E-06	1.579685569	2.252876997	0.014957752	0.000267753	8.867276192	0.001858775	0.004624512	5.28506E-05	0.000239732	0.000113682	0.081784613	2.02424E-06	0.000175899	0.000185435	0.000977407	0.000463124
2050 Jan	0.020178653	3.35404E-06	1.579693079	2.252889633	0.014957914	0.000267754	8.867313385	0.001858782	0.004624543	5.28513E-05	0.000239733	0.000113682	0.08178509	2.02425E-06	0.0001759	0.000185437	0.000977412	0.000463126
2050 Feb	0.020178949	3.35405E-06	1.579697013	2.252897739	0.014958078	0.000267755	8.867330551	0.001858786	0.004624558	5.28521E-05	0.000239734	0.000113682	0.081785396	2.02425E-06	0.0001759	0.000185438	0.000977414	0.000463126
2050 Mar	0.020179182	3.35407E-06	1.579704762	2.252910137	0.014958221	0.000267756	8.867371559	0.001858795	0.004624582	5.28526E-05	0.000239735	0.000113683	0.08178585	2.02426E-06	0.000175901	0.00018544	0.000977419	0.000463128
2050 Apr	0.020181037	3.35436E-06	1.579844117	2.253109694	0.014959579	0.000267779	8.868153572	0.001858958	0.004624991	5.28575E-05	0.000239756	0.000113693	0.0817931	2.02444E-06	0.000175916	0.000185457	0.000977505	0.000463169
2050 May	0.020193009	3.3559E-06	1.580518723	2.254102707	0.014967619	0.000267892	8.871798515	0.001859753	0.00462701	5.28949E-05	0.000239859	0.000113741	0.081829548	2.02527E-06	0.00017599	0.000185554	0.000977924	0.000463362
2050 Jun	0.020352077	3.35136E-06	1.57292974	2.243113756	0.014921314	0.000266031	8.80578804	0.001848487	0.004631829	5.33883E-05	0.00023825	0.000113056	0.081374437	2.02315E-06	0.000174547	0.000185797	0.000978331	0.000458994
2050 Jul	0.020257385	3.28902E-06	1.550630569	2.207692862	0.014583981	0.000260535	8.649832726	0.001812326	0.004625958	5.33207E-05	0.000232368	0.000110988	0.079811409	2.02092E-06	0.00017013	0.000182917	0.000974068	0.000446213
2050 Aug	0.020001182	3.19127E-06	1.524912357	2.165907621	0.01414145	0.00025361	8.483740807	0.001762291	0.004614288	5.2539E-05	0.000224455	0.000108379	0.077933274	2.02225E-06	0.000164342	0.000178371	0.000968426	0.00042955
2050 Sep	0.019744065	3.11026E-06	1.505715609	2.133608103	0.01378113	0.000248192	8.35518074	0.001719301	0.004603677	5.1638E-05	0.000218078	0.000106252	0.076509953	2.02165E-06	0.000159679	0.000174373	0.000963272	0.000416168
2050 Oct	0.019726213	3.10268E-06	1.504161477	2.130707026	0.013744439	0.000247693	8.343441963	0.001715066	0.004605248	5.16169E-05	0.000217436	0.000106045	0.076376602	2.02206E-06	0.000159213	0.000173989	0.000962954	0.00041481
2050 Nov	0.019728709	3.10306E-06	1.504336596	2.130955696	0.01374604	0.000247723	8.344405174	0.001715265	0.004605803	5.16229E-05	0.000217461	0.000106057	0.076385558	2.02229E-06	0.000159231	0.000174009	0.000963066	0.000414858
2050 Dec	0.019729098	3.10312E-06	1.504358053	2.130986452	0.013746236	0.000247727	8.344521523	0.001715289	0.00460588	5.16236E-05	0.000217463	0.000106059	0.076386668	2.02232E-06	0.000159234	0.000174012	0.000963081	0.000414863

Appendix D.2-26: WN01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226

Appendix D.2-27: TIRI01

Constituents	**Total Dissolved Solids**	**Ammonia**	**Nitrate**	**Nitrite**	**Chloride**	**Fluoride**	**Sulphate**	**Total Cyanide**	**Weakly Acid Dissociable Cyanide**	**Silver**	**Aluminum**	**Arsenic**	**Boron**	**Barium**	**Beryllium**	**Calcium**	**Cadmium**	**Cobalt**	**Chromium**	**Copper**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	36	0.022	0.033	0.0010	16	0.0042	7.1	3.3E-05	3.3E-05	1.0E-06	3.2E-04	3.2E-04	1.2E-02	2.8E-03	5.2E-06	1.9E+00	1.9E-06	1.3E-04	6.6E-05	1.4E-04
Operations (2020-2043): Mean	1237	1.5	1.9	0.065	633	0.25	240	1.3E-04	1.3E-04	7.6E-06	1.4E-02	1.1E-02	4.5E-01	5.3E-02	3.0E-05	5.4E+01	9.8E-05	2.6E-03	8.2E-04	4.5E-03
Operations (2020-2043): Max	2013	2.9	3.7	0.13	1184	0.28	265	2.2E-04	2.2E-04	1.0E-05	1.6E-02	1.2E-02	5.0E-01	5.9E-02	4.4E-05	6.0E+01	1.1E-04	2.9E-03	9.8E-04	4.9E-03
Active Closure (2044-2050): Min	237	0.38	0.52	0.014	74	0.072	65	1.3E-04	1.3E-04	5.3E-06	8.4E-03	3.0E-03	1.1E-01	2.1E-02	7.3E-06	2.5E+01	3.5E-05	5.9E-04	2.7E-04	1.6E-03
Active Closure (2044-2050): Mean	522	0.42	0.60	0.018	161	0.20	185	4.0E-04	3.8E-04	6.5E-06	1.3E-02	8.6E-03	3.4E-01	4.3E-02	2.0E-05	4.5E+01	7.9E-05	2.0E-03	6.3E-04	3.6E-03
Active Closure (2044-2050): Max	715	0.51	0.67	0.022	236	0.26	249	9.6E-04	8.8E-04	7.9E-06	1.5E-02	1.2E-02	4.7E-01	5.5E-02	3.1E-05	5.6E+01	1.0E-04	2.7E-03	8.5E-04	4.6E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2050)																				
2020 Jan	35.97712326	0.022312418	0.032907516	0.001003399	16.43725395	0.00419183	7.063398838	3.30065E-05	3.30065E-05	9.96797E-07	0.000320824	0.000321814	0.01247647	0.00282866	5.21503E-06	1.94738555	1.93418E-06	0.000125425	6.60131E-05	0.000142588
2020 Feb	69.3224411	0.042992637	0.063407779	0.001933397	31.67209053	0.008077019	13.61009502	6.35986E-05	6.35986E-05	1.92068E-06	0.000618178	0.000620086	0.024040263	0.005450398	1.00486E-05	3.752315998	3.72688E-06	0.000241675	0.000127197	0.000274746
2020 Mar	86.25034332	0.053491041	0.078891367	0.002405514	39.4061203	0.010049351	16.9335537	7.91288E-05	7.91288E-05	2.38969E-06	0.000769131	0.000771505	0.029910669	0.006781335	1.25023E-05	4.668596745	4.63695E-06	0.000300689	0.000158258	0.000341836
2020 Apr	95.6287384	0.059307363	0.087469593	0.002667077	43.6909256	0.011142064	18.77481651	8.77328E-05	8.77328E-05	2.64953E-06	0.000852763	0.000855395	0.033162992	0.0075187	1.38618E-05	5.176234722	5.14114E-06	0.000333385	0.000175466	0.000379006
2020 May	137.6186676	0.085348822	0.125876889	0.003838172	62.87531662	0.016034467	27.01870918	0.000126256	0.000126256	3.81292E-06	0.001227205	0.001230993	0.047724634	0.010820109	1.99484E-05	7.449083328	7.39858E-06	0.000479771	0.000252511	0.000545424
2020 Jun	216.5070038	0.134274051	0.198034376	0.00603836	98.9178772	0.025226045	42.5068779	0.00019863	0.00019863	5.99863E-06	0.001930686	0.001936645	0.075082242	0.017022613	3.13836E-05	11.71918583	1.16397E-05	0.000754795	0.000397261	0.000858083
2020 Jul	98.24736786	0.060931392	0.08986479	0.00274011	44.8873291	0.011447171	19.2889328	9.01352E-05	9.01352E-05	2.72208E-06	0.000876114	0.000878818	0.034071106	0.007724587	1.42414E-05	5.317976475	5.28192E-06	0.000342514	0.00018027	0.000389384
2020 Aug	69.16061401	0.04289227	0.063259751	0.001928883	31.59815025	0.008058163	13.57832146	6.34501E-05	6.34501E-05	1.91619E-06	0.000616735	0.000618638	0.023984138	0.005437674	1.00251E-05	3.743555784	3.71818E-06	0.00024111	0.0001269	0.000274104
2020 Sep	125.8921738	0.078076251	0.115150914	0.003511121	57.51770782	0.01466817	24.71644402	0.000115497	0.000115497	3.48802E-06	0.001122635	0.0011261	0.043658018	0.009898127	1.82486E-05	6.814347267	6.76815E-06	0.00043889	0.000230995	0.000498949
2020 Oct	194.3349609	0.120523326	0.177754089	0.005419984	88.7878952	0.022642696	38.1538353	0.000178289	0.000178289	5.38433E-06	0.001732969	0.001738317	0.067393221	0.015279364	2.81697E-05	10.51904774	1.04477E-05	0.000677498	0.000356578	0.000770208
2020 Nov	181.9120636	0.11281886	0.166391119	0.005073511	83.11212158	0.021195259	35.71484756	0.000166892	0.000166892	5.04013E-06	0.001622188	0.001627195	0.063085102	0.014302627	2.63689E-05	9.846616745	9.77986E-06	0.000634189	0.000333784	0.000720973
2020 Dec	181.2058716	0.112380885	0.165745184	0.005053815	82.78946686	0.021112977	35.57619858	0.000166244	0.000166244	5.02057E-06	0.001615891	0.001620878	0.062840201	0.014247104	2.62665E-05	9.808391571	9.74189E-06	0.000631727	0.000332488	0.000718174
2021 Jan	181.5654755	0.11260391	0.166074112	0.005063844	82.95376587	0.021154877	35.64680099	0.000166574	0.000166574	5.03053E-06	0.001619098	0.001624095	0.062964909	0.014275378	2.63187E-05	9.827856064	9.76123E-06	0.000632981	0.000333148	0.000719599
2021 Feb	181.7770996	0.11273516	0.166267678	0.005069747	83.05045319	0.021179534	35.68834686	0.000166768	0.000166768	5.03639E-06	0.001620985	0.001625988	0.063038297	0.014292017	2.63493E-05	9.8393116	9.7726E-06	0.000633718	0.000333536	0.000720438
2021 Mar	181.9562836	0.112846285	0.166431561	0.005074744	83.13231659	0.021200411	35.723526	0.000166932	0.000166932	5.04136E-06	0.001622583	0.001627591	0.063100435	0.014306104	2.63753E-05	9.849010468	9.78224E-06	0.000634343	0.000333865	0.000721148
2021 Apr	182.1643829	0.112975344	0.166621923	0.005080548	83.2273941	0.021224657	35.76438522	0.000167123	0.000167123	5.04712E-06	0.001624438	0.001629452	0.063172601	0.014322466	2.64055E-05	9.860274315	9.79342E-06	0.000635069	0.000334247	0.000721973
2021 May	219.5101776	0.164427847	0.233680233	0.007355069	104.921814	0.026441082	40.81575012	0.000170206	0.000170206	5.21742E-06	0.001925799	0.00186338	0.072694793	0.01545719	2.70932E-05	11.00501442	1.18441E-05	0.000690934	0.000352136	0.000816075
2021 Jun	1413.050171	1.888887167	2.469929457	0.083536766	811.3677979	0.195602387	195.7973328	0.000180469	0.000180469	8.21313E-06	0.011467392	0.009056099	0.367310166	0.046622626	3.56973E-05	45.10830688	7.75047E-05	0.002265945	0.000780541	0.003670924
2021 Jul	1948.734619	2.75274682	3.578130484	0.121646009	1143.151367	0.274274051	258.1096497	8.60099E-05	8.60099E-05	6.81118E-06	0.015649231	0.011966201	0.488644868	0.054886337	2.45443E-05	57.62895966	0.000107111	0.002736674	0.000811938	0.004780952
2021 Aug	1970.990234	2.808579922	3.647362709	0.124098428	1160.200684	0.278152406	259.0907593	6.01065E-05	6.01065E-05	6.14359E-06	0.015800646	0.012016523	0.491268694	0.05395972	2.07498E-05	57.5311203	0.000108371	0.002703834	0.000777549	0.004789067
2021 Sep	1884.930298	2.626993418	3.419550896	0.116110608	1099.890503	0.264204562	252.5307007	0.000122455	0.000122455	7.67665E-06	0.015176728	0.011700493	0.476963609	0.055357795	2.96913E-05	56.84608459	0.00010355	0.002740669	0.000849114	0.0046923
2021 Oct	1856.606689	2.561111212	3.337458372	0.113215007	1079.039551	0.259427011	250.8650055	0.000149719	0.000149719	8.36819E-06	0.014978238	0.011618142	0.472997278	0.056207601	3.36563E-05	56.81027222	0.000101954	0.00276887	0.000883619	0.004672114
2021 Nov	1864.827026	2.579975843	3.360985994	0.114044227	1085.049194	0.260805726	251.3691559	0.000142089	0.000142089	8.17532E-06	0.015036134	0.01164295	0.474179536	0.055977296	3.25484E-05	56.82861328	0.000102417	0.002761359	0.000874064	0.004678461
2021 Dec	1865.492432	2.580097437	3.361256123	0.11405009	1085.305542	0.260874361	251.5232544	0.000143021	0.000143021	8.20265E-06	0.015042393	0.011649934	0.474445581	0.056048155	3.26934E-05	56.87365723	0.000102452	0.002764444	0.000875806	0.004681653
2022 Jan	1865.20813	2.579266787	3.360234976	0.114013635	1085.068481	0.260821223	251.5201874	0.000143481	0.000143481	8.21477E-06	0.01504059	0.011649705	0.47442627	0.05606747	3.27615E-05	56.87854004	0.000102436	0.002765172	0.000876455	0.004681773
2022 Feb	1865.058838	2.578833818	3.359702826	0.113994658	1084.94458	0.260793447	251.5183105	0.000143719	0.000143719	8.22103E-06	0.01503964	0.011649576	0.474415779	0.056077406	3.27968E-05	56.88101578	0.000102427	0.002765546	0.00087679	0.00468183
2022 Mar	1865.72644	2.579633474	3.360761881	0.114030071	1085.312744	0.260883003	251.6183014	0.000143907	0.000143907	8.22775E-06	0.015045162	0.011654182	0.474600554	0.056105342	3.28291E-05	56.90519714	0.000102464	0.00276686	0.000877325	0.004683741
2022 Apr	1882.571411	2.60285306	3.391022444	0.115056522	1095.100098	0.263236254	253.8957825	0.000145284	0.000145284	8.3042E-06	0.01518108	0.011759655	0.478894144	0.056616418	3.31374E-05	57.4211731	0.000103389	0.002792028	0.000885373	0.004726165
2022 May	1921.346924	2.656424999	3.460822105	0.117424645	1117.649414	0.268656969	259.1284485	0.000148319	0.000148319	8.47643E-06	0.015493808	0.012002007	0.488762677	0.05778503	3.38264E-05	58.60509109	0.000105518	0.002849638	0.000903679	0.004823584
2022 Jun	1823.426758	2.478932381	3.23547554	0.109605014	1053.794922	0.253677368	249.3168793	0.000187169	0.000187169	9.33108E-06	0.014751312	0.011539368	0.468956977	0.057521544	3.91363E-05	56.92327881	0.000100077	0.002815045	0.000932991	0.004657995
2022 Jul	1882.171997	2.648830891	3.444410801	0.117059909	1102.485596	0.264603257	250.0908051	9.39727E-05	9.39727E-05	6.88074E-06	0.015125774	0.011592479	0.473153055	0.053641435	2.53581E-05	55.96704865	0.000103437	0.002669185	0.000801907	0.004636497
2022 Aug	1980.291626	2.803482533	3.643234968	0.123884298	1162.671387	0.278903872	261.7928772	8.06151E-05	8.06151E-05	6.7333E-06	0.015895754	0.01213818	0.495811284	0.05538296	2.39131E-05	58.37131882	0.000108855	0.002764809	0.000814063	0.004846636
2022 Sep	1917.290039	2.690520287	3.499685049	0.118907034	1121.789917	0.269303828	255.3805084	0.000104249	0.000104249	7.24541E-06	0.01541665	0.011836145	0.482918561	0.055134729	2.7123E-05	57.25094604	0.000105356	0.002739305	0.00083071	0.004737742
2022 Oct	1900.519287	2.62700057	3.422575474	0.116124354	1105.43103	0.265725493	256.3701172	0.000147404	0.000147404	8.40375E-06	0.015326556	0.011874128	0.483540624	0.057198651	3.35647E-05	57.98927689	0.000104373	0.002820399	0.000895008	0.004772493
2022 Nov	1906.165161	2.644606829	3.444141388	0.11689651	1110.319824	0.26681459	256.3414917	0.000137039	0.000137039	8.12922E-06	0.015361114	0.01187471	0.483789057	0.056744382	3.20271E-05	57.85778046	0.000104698	0.002803023	0.000880123	0.004767993
2022 Dec	1905.800903	2.642451525	3.441564798	0.116802268	1109.837524	0.266713172	256.4255676	0.000138832	0.000138832	8.17808E-06	0.015360027	0.011878282	0.483896583	0.056838617	3.22966E-05	57.89786148	0.000104676	0.002806823	0.000882908	0.004770225
2023 Jan	1905.000366	2.640440226	3.439070702	0.116713911	1109.223755	0.266573578	256.3904724	0.000139767	0.000139767	8.20219E-06	0.015354582	0.011876482	0.483802557	0.056872141	3.24336E-05	57.901474	0.00010463	0.002808012	0.000884151	0.004769939
2023 Feb	1904.604004	2.639424324	3.437812567	0.116669305	1108.916504	0.266503841	256.3747559	0.000140252	0.000140252	8.21473E-06	0.01535191	0.011875662	0.48375842	0.056890007	3.25048E-05	57.90388107	0.000104608	0.002808654	0.000884801	0.004769836
2023 Mar	1904.580811	2.639138222	3.437475204	0.11665681	1108.86145	0.266492844	256.3921204	0.00014053	0.00014053	8.2224E-06	0.015352009	0.011876417	0.483783364	0.056905501	3.25468E-05	57.91105652	0.000104606	0.002809287	0.000885246	0.004770262
2023 Apr	1914.0896	2.652168751	3.45446825	0.117232889	1114.373779	0.267818868	257.6838989	0.000141392	0.000141392	8.26789E-06	0.015428817	0.011936226	0.486216307	0.057198867	3.27336E-05	58.20468903	0.000105128	0.002823695	0.000889926	0.004794355
2023 May	1904.651367	2.619556189	3.414717913	0.11580348	1105.680542	0.26590091	257.9881287	0.000162224	0.000162224	8.824E-06	0.015374606	0.011946507	0.486186445	0.058160774	3.58352E-05	58.52305984	0.00010458	0.002861096	0.0009205	0.004807939
2023 Jun	1817.000122	2.499104261	3.257689238	0.110478573	1054.813843	0.253667295	246.1076355	0.000154649	0.000154649	8.4149E-06	0.014666962	0.011396383	0.463800371	0.055477936	3.41696E-05	55.82678223	9.97677E-05	0.00272917	0.000877962	0.004586491
2023 Jul	1907.849609	2.64271903	3.442272186	0.116815686	1110.609253	0.266921222	256.9086304	0.000141817	0.000141817	8.26549E-06	0.015379419	0.011900157	0.484728634	0.057063565	3.27611E-05	58.0398407	0.000104784	0.002816601	0.000888462	0.004780256
2023 Aug	1984.027954	2.808452368	3.649736881	0.124104105	1164.812744	0.279420316	262.3126221	8.11197E-05	8.11197E-05	6.75577E-06	0.015926104	0.012162214	0.496785551	0.055507828	2.40116E-05	58.49136734	0.00010906	0.002770866	0.000816172	0.004856391
2023 Sep	1951.573853	2.754048824	3.580193758	0.121705189	1144.373413	0.27459082	258.7041016	8.91205E-05	8.91205E-05	6.90387E-06	0.015675062	0.011993223	0.489685088	0.055138797	2.50326E-05	57.79686737	0.000107263	0.002747778	0.000817969	0.004793079
2023 Oct	1905.782593	2.666661501	3.469713688	0.11785733	1113.794678	0.267451674	254.4692993	0.000112121	0.000112121	7.43751E-06	0.015332751	0.011792393	0.480954617	0.055294804	2.82481E-05	57.14627075	0.000104712	0.002743122	0.000839524	0.004723999
2023 Nov	1898.053955	2.645139217	3.443190813	0.116912708	1107.52478	0.26603967	254.3006287	0.000123468	0.000123468	7.73453E-06	0.015282557	0.01178247	0.480302036	0.055752452	2.99222E-05	57.24636841	0.000104271	0.002760132	0.000855285	0.004725247
2023 Dec	1897.560669	2.642798185	3.440373421	0.11681027	1106.966187	0.265919954	254.3677979	0.000125257	0.000125257	7.78303E-06	0.015280437	0.011785259	0.480377555	0.055843238	3.01906E-05	57.28271866	0.000104241	0.002763758	0.000858021	0.004727168
2024 Jan	1896.696899	2.640686035	3.437750101	0.116717473	1106.313477	0.265771091	254.3253326	0.000126203	0.000126203	7.80728E-06	0.0152745	0.011783113	0.480269104	0.055875719	3.03288E-05	57.28482437	0.000104192	0.002764889	0.000859258	0.004726749
2024 Feb	1896.253784	2.63959384	3.436394215	0.116669491	1105.977173	0.265694999	254.3042297	0.000126697	0.000126697	7.81997E-06	0.015271463	0.011782043	0.480214506	0.055892933	3.04011E-05	57.28617096	0.000104167	0.002765492	0.000859908	0.004726551
2024 Mar	1898.791016	2.642867804	3.440692425	0.116814367	1107.414673	0.266042113	254.6652527	0.00012715	0.00012715	7.83831E-06	0.015292183	0.011798719	0.480888307	0.055984128	3.04848E-05	57.37080383	0.000104306	0.002769869	0.00086152	0.004733366
2024 Apr	1904.214844	2.650273561	3.450353622	0.117141783	1110.554565	0.266797632	255.4042664	0.000127672	0.000127672	7.86508E-06	0.015336027	0.011832929	0.482279301	0.056153178	3.05958E-05	57.53912735	0.000104604	0.002778158	0.000864238	0.00474716
2024 May	1881.497925	2.587826252	3.373340368	0.114400715	1092.258301	0.262672067	254.8427887	0.000160126	0.000160126	8.71325E-06	0.015187581	0.01180088	0.480262488	0.05744651	3.53806E-05	57.80810928	0.000103309	0.002826017	0.000909107	0.004749275
2024 Jun	1836.91333	2.51530695	3.280383825	0.111201853	1064.542603	0.256105274	249.7066193	0.000168672	0.000168672	8.84891E-06	0.014840225	0.011560871	0.470239103	0.056798261	3.64125E-05	56.78526306	0.000100844	0.00278847	0.000907605	0.004658072
2024 Jul	2013.272339	2.859538078	3.714801311	0.126355663	1183.568359	0.283835262	265.3979492	7.16367E-05	7.16367E-05	6.5593E-06	0.016150007	0.012307191	0.502933741	0.055708993	2.2747E-05	59.05325317	0.000110682	0.002786251	0.00081086	0.0049095
2024 Aug	1966.596924	2.805615664	3.643065929	0.12396545	1158.154297	0.27763319	258.2475281	5.63398E-05	5.63398E-05	6.02918E-06	0.015761739	0.011978072	0.489774227	0.053629555	2.0153E-05	57.33073929	0.000108135	0.002689147	0.000769916	0.004772111
2024 Sep	1887.822266	2.646306276	3.442568541	0.116954751	1104.079956	0.265077263	251.6861572	0.000105801	0.000105801	7.22149E-06	0.015182908	0.011664359	0.475843191	0.054469582	2.71842E-05	56.4597168	0.000103732	0.002704722	0.000823065	0.004670379
2024 Oct	1866.079834	2.592744589	3.37607646	0.114601761	1087.584717	0.261318415	250.6483459	0.000130022	0.000130022	7.84363E-06	0.015033881	0.011611714	0.473160565	0.055312175	3.07269E-05	56.52480698	0.000102502	0.00273422	0.0008549	0.004660576
2024 Nov	1837.698364	2.530594349	3.298312664	0.111868761	1067.324341	0.256649315	248.667572	0.000153081	0.000153081	8.41843E-06	0.014830657	0.01151551	0.468717486	0.055917501	3.40541E-05	56.36909103	0.000100909	0.00275232	0.000882555	0.00463298
2024 Dec	1838.983154	2.532538414	3.30082202	0.111954592	1068.099243	0.25683412	248.8273315	0.000152995	0.000152995	8.41898E-06	0.014840831	0.011522943	0.469024032	0.055945463	3.40487E-05	56.40308762	0.00010098	0.002753785	0.00088286	0.004635886
2025 Jan	1838.436157	2.531141043	3.299091339	0.111893222	1067.676025	0.256738007	248.8052216	0.00015366	0.00015366	8.43615E-06	0.014837136	0.011521794	0.46896252	0.055969827	3.41461E-05	56.40626144	0.000100949	0.002754658	0.00088375	0.004635734
2025 Feb	1838.397705	2.530754805	3.298634768	0.111876361	1067.599121	0.25672248	248.8269043	0.000154024	0.000154024	8.44616E-06	0.014837201	0.011522734	0.468993187	0.055989891	3.42011E-05	56.41542053	0.000100946	0.002755477	0.000884328	0.004636272
2025 Mar	1838.747803	2.531054974	3.299051523	0.111889735	1067.772705	0.256765783	248.8889465	0.000154253	0.000154253	8.45332E-06	0.014840228	0.01152557	0.469104499	0.056012131	3.4238E-05	56.43179703	0.000100965	0.002756479	0.000884822	0.004637502
2025 Apr	1841.242065	2.534384727	3.303406	0.11203701	1069.204224	0.257110924	249.2348938	0.000154577	0.000154577	8.46795E-06	0.014860475	0.011541571	0.469753385	0.056094702	3.43017E-05	56.5115509	0.000101102	0.00276049	0.000886207	0.00464399
2025 May	1884.499878	2.593869925	3.380949259	0.1146667	1094.314575	0.263149709	255.0950012	0.000158271	0.000158271	8.66864E-06	0.015209669	0.01181293	0.480796605	0.057416219	3.51172E-05	57.8409996	0.000103477	0.002825495	0.00090713	0.004753204
2025 Jun	1832.201782	2.51149416	3.275038242	0.111031622	1062.244141	0.255529076	248.8534241	0.000165332	0.000165332	8.74559E-06	0.014799207	0.01152188	0.468713194	0.056484554	3.58784E-05	56.55784607	0.000100589	0.002774385	0.000900554	0.004641097
2025 Jul	1888.125122	2.618187189	3.409928083	0.115729563	1099.583984	0.264246911	254.0276337	0.000137275	0.000137275	8.09479E-06	0.015217293	0.011767251	0.479379058	0.056295939	3.19564E-05	57.35332489	0.000103705	0.00278015	0.000874283	0.004725519
2025 Aug	1935.954468	2.758689165	3.582567692	0.121893957	1139.582886	0.273209065	254.4825134	5.90008E-05	5.90008E-05	6.03335E-06	0.015519741	0.011802801	0.482531965	0.052998397	2.03753E-05	56.50741577	0.000106445	0.002655682	0.000763667	0.004703873
2025 Sep	1911.99231	2.710809469	3.522253513	0.11978668	1123.229126	0.269407451	252.4398804	7.34069E-05	7.34069E-05	6.37831E-06	0.015343019	0.01170532	0.478224069	0.05321699	2.24172E-05	56.23361969	0.000105107	0.002658896	0.000778796	0.004671823
2025 Oct	1846.758179	2.588472605	3.367370129	0.114398934	1080.019653	0.259302974	246.2332916	0.000103798	0.000103798	7.07269E-06	0.01485295	0.011411592	0.465525419	0.053302005	2.66381E-05	55.23999405	0.000101475	0.002646601	0.000805646	0.004569304
2025 Nov	1836.739258	2.569278955	3.343111992	0.113553829	1073.317017	0.257738709	245.3127136	0.000108912	0.000108912	7.19171E-06	0.014778138	0.011367914	0.463624239	0.053340852	2.7354E-05	55.09994125	0.000100917	0.002645776	0.000810495	0.004554331

Appendix D.2-27: TIRI01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 Dec	1837.108643	2.569317818	3.343228817	0.113555841	1073.45459	0.257775933	245.4005585	0.00010946	0.00010946	7.20775E-06	0.014781645	0.011371892	0.463775367	0.053381994	2.74393E-05	55.12582397	0.000100936	0.002647564	0.000811513	0.004556157
2026 Jan	1836.986572	2.56889534	3.342713594	0.113537326	1073.342041	0.257751077	245.404541	0.00010973	0.00010973	7.21496E-06	0.014780943	0.011372026	0.463775039	0.053394482	2.74795E-05	55.12996292	0.000100929	0.002648049	0.000811909	0.004556334
2026 Feb	1836.927002	2.568681717	3.342454195	0.113527969	1073.286011	0.257738769	245.4071045	0.00010987	0.00010987	7.21871E-06	0.014780612	0.01137212	0.463775814	0.053401049	2.75004E-05	55.13221741	0.000100926	0.002648306	0.000812116	0.004556435
2026 Mar	1838.088501	2.570234776	3.344484806	0.113596655	1073.953003	0.257899553	245.5679932	0.000110018	0.000110018	7.22545E-06	0.014790037	0.011379561	0.464077681	0.053439341	2.75297E-05	55.16927719	0.00010099	0.002650167	0.000812757	0.004559451
2026 Apr	1843.573364	2.577863932	3.354417324	0.113933854	1077.151001	0.258667886	246.3040314	0.000110391	0.000110391	7.24825E-06	0.014834215	0.011413661	0.465467393	0.053601384	2.76186E-05	55.3351593	0.000101291	0.002658182	0.000815255	0.004573133
2026 May	1862.743774	2.600795507	3.384793282	0.114949763	1087.717529	0.261239171	249.177536	0.000115809	0.000115809	7.44199E-06	0.014992804	0.011546057	0.470777094	0.054405451	2.85529E-05	56.03061676	0.000102338	0.002696001	0.000830666	0.004628069
2026 Jun	1802.325195	2.474559307	3.226307154	0.109396227	1045.580688	0.251485199	244.4715576	0.000158207	0.000158207	8.4802E-06	0.014553388	0.011319778	0.460583121	0.055307601	3.46221E-05	55.51106262	9.89553E-05	0.002718587	0.000878677	0.00455776
2026 Jul	1938.606201	2.710343838	3.526861429	0.119789325	1132.609985	0.271989375	259.0331116	0.000116527	0.000116527	7.63422E-06	0.015599342	0.012003444	0.489510298	0.056390159	2.91098E-05	58.20010376	0.000106512	0.002796267	0.000858003	0.00480964
2026 Aug	1961.684814	2.797182083	3.632308245	0.123593681	1155.027954	0.276896149	257.7174377	5.77705E-05	5.77705E-05	6.05769E-06	0.015723964	0.0119532	0.488723636	0.053586394	2.03408E-05	57.2018013	0.000107862	0.002686176	0.000770545	0.004762909
2026 Sep	1947.912354	2.782492161	3.612560987	0.122941606	1147.729004	0.27510342	255.5091705	5.19115E-05	5.19115E-05	5.86397E-06	0.015608031	0.011851767	0.484692752	0.052895084	1.93714E-05	56.64686203	0.000107113	0.002654316	0.000756279	0.004720041
2026 Oct	1840.90625	2.575671673	3.351352453	0.113836028	1075.84436	0.258340716	245.8237762	0.000108537	0.000108537	7.19079E-06	0.014811034	0.011391709	0.464607656	0.053425942	2.73218E-05	55.20746613	0.000101147	0.002650297	0.000811324	0.004563588
2026 Nov	1846.431152	2.580189228	3.35767436	0.114037655	1078.547241	0.259017766	246.8205109	0.000112403	0.000112403	7.31053E-06	0.014859079	0.011437266	0.466391414	0.053790852	2.79405E-05	55.47270584	0.000101445	0.002666691	0.000819509	0.004583406
2026 Dec	1846.804199	2.579943419	3.357461214	0.114027277	1078.639526	0.259046644	246.9321899	0.000113271	0.000113271	7.33543E-06	0.01486294	0.01144229	0.466578543	0.053850546	2.80742E-05	55.50767517	0.000101465	0.002669245	0.000821046	0.004585793
2027 Jan	1846.553345	2.579173326	3.356516838	0.113993488	1078.424316	0.258998632	246.9325409	0.000113719	0.000113719	7.34727E-06	0.014861392	0.011442224	0.466566116	0.053869989	2.81406E-05	55.51315689	0.00010145	0.002669986	0.000821687	0.004585971
2027 Feb	1846.414673	2.578762054	3.356012106	0.113975458	1078.307739	0.258972526	246.931488	0.00011395	0.00011395	7.35336E-06	0.014860518	0.011442133	0.466557384	0.053879775	2.81747E-05	55.51571655	0.000101442	0.002670356	0.000822014	0.004586041
2027 Mar	1848.026855	2.580895424	3.358804464	0.114069805	1079.229858	0.25919503	247.156662	0.00011418	0.00011418	7.3634E-06	0.014873628	0.011452544	0.466979176	0.053934369	2.82191E-05	55.56786728	0.000101531	0.002672999	0.000822944	0.004590271
2027 Apr	1861.259766	2.599308014	3.38277626	0.114883654	1086.946655	0.261048943	248.9319305	0.000115072	0.000115072	7.41821E-06	0.014980206	0.011534791	0.470331222	0.054324903	2.84326E-05	55.96787262	0.000102258	0.002692318	0.000828958	0.00462327
2027 May	1896.873657	2.643322706	3.440850496	0.116832539	1106.807983	0.265868962	254.1562653	0.000123579	0.000123579	7.73495E-06	0.015273246	0.011775749	0.480024099	0.055728678	2.99322E-05	57.21607208	0.000104206	0.002758865	0.000855059	0.004722634
2027 Jun	1797.514648	2.460621119	3.209168196	0.108784646	1041.589233	0.250589728	244.4102173	0.000165867	0.000165867	8.68162E-06	0.014522752	0.011315516	0.460242569	0.055626947	3.57546E-05	55.59014893	9.86801E-05	0.002730598	0.000889457	0.004559568
2027 Jul	1962.851196	2.719966888	3.542743206	0.120229602	1142.800781	0.274648726	264.2295532	0.000144736	0.000144736	8.47137E-06	0.015821606	0.012239474	0.498574346	0.058641113	3.35284E-05	59.68021011	0.000107807	0.002895014	0.000912178	0.004916046
2027 Aug	1935.918701	2.756821871	3.580389261	0.121812552	1139.264404	0.273148507	254.6242218	6.10014E-05	6.10014E-05	6.08873E-06	0.015521487	0.011809011	0.482743204	0.053113077	2.06783E-05	56.56266022	0.00010644	0.002660405	0.000766903	0.004707247
2027 Sep	1923.212769	2.705811262	3.518612623	0.119578533	1126.397949	0.270349175	255.6067047	9.68783E-05	9.68783E-05	7.05452E-06	0.01545646	0.011848005	0.483564377	0.054860573	2.60409E-05	57.21149445	0.000105692	0.002729428	0.000820784	0.004739077
2027 Oct	1879.333618	2.650213718	3.445469856	0.117117725	1101.703247	0.264368653	249.2801666	8.79047E-05	8.79047E-05	6.70606E-06	0.015096945	0.011555967	0.471787781	0.053218119	2.44217E-05	55.71600723	0.00010329	0.002651031	0.000791073	0.004619258
2027 Nov	1870.242676	2.623629332	3.412796736	0.115951329	1094.120483	0.262668937	249.1839752	0.000102649	0.000102649	7.09419E-06	0.015039324	0.011548783	0.471173882	0.053837195	2.66027E-05	55.87304688	0.000102769	0.002674372	0.000811882	0.004623142
2027 Dec	1870.138062	2.622292519	3.411222219	0.115892991	1093.864502	0.262617826	249.2659454	0.000103955	0.000103955	7.13014E-06	0.015039813	0.011552346	0.471291691	0.053909935	2.67999E-05	55.90678787	0.000102761	0.002677348	0.000813966	0.00462515
2028 Jan	1869.673462	2.621129274	3.40977931	0.115841888	1093.508911	0.262536943	249.2453156	0.000104493	0.000104493	7.14402E-06	0.01503665	0.01155129	0.471236706	0.053929154	2.68788E-05	55.90877151	0.000102735	0.002678028	0.00081468	0.004624977
2028 Feb	1869.687378	2.620880604	3.409492731	0.115831062	1093.473145	0.262530684	249.2687531	0.000104789	0.000104789	7.15226E-06	0.015037062	0.011552324	0.471272677	0.053946625	2.69238E-05	55.91749191	0.000102735	0.002678752	0.000815166	0.004625522
2028 Mar	1870.080078	2.621286154	3.410040379	0.11584907	1093.679077	0.262581438	249.3327942	0.000104971	0.000104971	7.15819E-06	0.015040383	0.011555263	0.471389234	0.053967185	2.69537E-05	55.93372726	0.000102757	0.002679696	0.000815597	0.00462677
2028 Apr	1877.97583	2.63227272	3.424344063	0.116334677	1098.283569	0.263687611	250.3920441	0.000105504	0.000105504	7.19089E-06	0.015103976	0.011604337	0.473389357	0.054200202	2.7081E-05	56.17240143	0.000103191	0.002691223	0.000819185	0.00464646
2028 May	1912.745239	2.680936813	3.487657785	0.118485443	1118.599365	0.268578619	255.0408478	0.000107505	0.000107505	7.32553E-06	0.015384248	0.011819778	0.482177079	0.055208348	2.75902E-05	57.21582413	0.000105105	0.002741259	0.000834456	0.004732742
2028 Jun	1668.003906	2.229814053	2.908999443	0.098584406	945.4532471	0.252016306	244.8716888	0.000157361	0.000157361	8.46485E-06	0.014581081	0.011338508	0.461369246	0.055350285	3.4515E-05	55.58856201	9.91532E-05	0.002721214	0.000878536	0.004564795
2028 Jul	1738.497681	2.301139116	3.003937244	0.101746231	979.1616821	0.266244948	259.8547363	0.00017801	0.00017801	9.27418E-06	0.015434631	0.012030249	0.489277124	0.059214026	3.82604E-05	59.12302399	0.000104862	0.002905887	0.000948038	0.004848328
2028 Aug	1796.494507	2.44920063	3.186524868	0.108245239	1022.524109	0.278977484	263.8641052	0.000100982	0.000100982	7.30818E-06	0.015952367	0.012230575	0.499157459	0.056675013	2.70265E-05	59.07148361	0.000109074	0.002819208	0.000848691	0.004892546
2028 Sep	1737.124878	2.385845423	3.101529121	0.105433732	991.3587036	0.270728379	254.008316	7.71276E-05	7.71276E-05	6.50425E-06	0.015426906	0.011777446	0.481099933	0.053688928	2.30404E-05	56.62244034	0.000105653	0.002680798	0.000788299	0.004702101
2028 Oct	1624.721558	2.137445211	2.792152405	0.094516903	913.0033569	0.248305261	243.829422	0.000181095	0.000181095	9.07402E-06	0.014433487	0.011285747	0.458692372	0.056170896	3.79852E-05	55.64678192	9.79374E-05	0.002749863	0.000909663	0.004554723
2028 Nov	1606.446655	2.077946186	2.719758272	0.091909617	897.3768311	0.243660644	243.445343	0.000220153	0.000220153	1.00999E-05	0.014272861	0.011260715	0.45682013	0.057785191	4.37569E-05	56.03443909	9.65035E-05	0.002810392	0.00096444	0.004562634
2028 Dec	1606.809448	2.077566862	2.719391584	0.091893427	897.4512939	0.243671358	243.5567474	0.000221186	0.000221186	1.01292E-05	0.014276125	0.011265697	0.457001954	0.057851989	4.39151E-05	56.07134628	9.65173E-05	0.002813216	0.000966214	0.00456508
2029 Jan	1606.482178	2.076678276	2.718299627	0.091854423	897.1981201	0.243597403	243.5381165	0.000221681	0.000221681	1.01419E-05	0.014273239	0.01126474	0.456952035	0.057869695	4.39875E-05	56.07323074	9.64933E-05	0.002813843	0.00096687	0.004564926
2029 Feb	1606.3125	2.076218128	2.717734337	0.091834247	897.0670776	0.243559122	243.5284119	0.000221936	0.000221936	1.01485E-05	0.014271745	0.011264243	0.456926107	0.057878833	4.4025E-05	56.07419205	9.64809E-05	0.002814167	0.00096721	0.004564845
2029 Mar	1606.698486	2.07658577	2.718235493	0.091850601	897.2627563	0.24361077	243.5956421	0.000222142	0.000222142	1.01551E-05	0.014275179	0.011267326	0.457048059	0.057901058	4.40585E-05	56.09141541	9.65028E-05	0.002815182	0.000967683	0.004566161
2029 Apr	1609.477295	2.080102444	2.722850323	0.092006192	898.8032837	0.244028196	244.0219269	0.000222613	0.000222613	1.01751E-05	0.014299872	0.011287028	0.457845449	0.05800594	4.41478E-05	56.19057083	9.6669E-05	0.002820244	0.000969493	0.004574183
2029 May	1625.383179	2.100517511	2.749383926	0.092908338	907.2761841	0.24709262	246.8717194	0.000223228	0.000223228	1.02414E-05	0.014473828	0.011419209	0.463250399	0.058597472	4.43692E-05	56.82281494	9.78625E-05	0.002849908	0.00097798	0.004626842
2029 Jun	1543.200317	1.957284927	2.563014507	0.08657793	847.4458618	0.246886984	246.089386	0.00021718	0.00021718	1.00678E-05	0.014446679	0.011384006	0.461938381	0.058180612	4.3437E-05	56.57821274	9.77261E-05	0.002832072	0.00096725	0.004610131
2029 Jul	1554.099609	2.037569761	2.653827429	0.090065442	855.9125366	0.264958173	251.7572632	0.000107625	0.000107625	7.27097E-06	0.015180909	0.011667323	0.475925207	0.054562632	2.74578E-05	56.49734497	0.000103703	0.002708445	0.000825861	0.004672386
2029 Aug	1613.978271	2.15149951	2.796716928	0.095076919	893.6730957	0.277984858	259.7298584	6.81509E-05	6.81509E-05	6.3675E-06	0.015811948	0.012044707	0.492249787	0.054434568	2.19713E-05	57.76842499	0.000108382	0.002723521	0.000790748	0.004803908
2029 Sep	1577.913452	2.086327076	2.714601994	0.092208482	871.3807983	0.270438045	254.776001	8.76148E-05	8.76148E-05	6.79501E-06	0.015437592	0.011811149	0.482254326	0.054294985	2.46299E-05	56.91745377	0.000105639	0.002705805	0.000805331	0.004720244
2029 Oct	1535.431763	2.011910439	2.620575666	0.088931993	845.4424438	0.26173079	248.8230286	0.000107659	0.000107659	7.22029E-06	0.01499946	0.011531102	0.470340639	0.053982455	2.73287E-05	55.85443115	0.000102452	0.002679002	0.000818076	0.004618423
2029 Nov	1527.973999	1.989561319	2.593412876	0.08795277	839.6276245	0.259476393	248.2391205	0.000122577	0.000122577	7.60444E-06	0.014911089	0.011501245	0.468793601	0.054512385	2.95133E-05	55.90664291	0.000101718	0.002697726	0.000837831	0.004613402
2029 Dec	1528.312744	1.9894768	2.593384504	0.087949403	839.7424316	0.259492844	248.3202667	0.00012325	0.00012325	7.62365E-06	0.014913747	0.011504889	0.468928337	0.054557577	2.96167E-05	55.93256378	0.000101731	0.00269965	0.000839009	0.004615153
2030 Jan	1528.158691	1.988987207	2.592791557	0.08792796	839.6185303	0.259444088	248.3095856	0.000123592	0.000123592	7.63251E-06	0.014911886	0.01150433	0.468897969	0.054570273	2.96669E-05	55.93434906	0.000101715	0.002700107	0.000839469	0.004615088
2030 Feb	1528.385376	1.989132762	2.593004704	0.087934501	839.7227783	0.25947088	248.3538361	0.000123794	0.000123794	7.63863E-06	0.014913914	0.011506347	0.468976319	0.054587789	2.96989E-05	55.94649506	0.000101728	0.002700885	0.000839876	0.004615979
2030 Mar	1529.321289	1.990269423	2.594498873	0.087984808	840.2259521	0.259623438	248.5099792	0.00012397	0.00012397	7.64602E-06	0.014922947	0.011513563	0.469268292	0.054626346	2.97321E-05	55.98284912	0.000101789	0.002702744	0.000840544	0.004618919
2030 Apr	1533.346924	1.995461702	2.601274967	0.088214383	842.4313354	0.260303169	249.1664429	0.000124353	0.000124353	7.6677E-06	0.014962171	0.011543966	0.470506251	0.05477307	2.98189E-05	56.13141251	0.000102056	0.002709976	0.000842844	0.004631142
2030 May	1563.68103	2.034792185	2.652559042	0.089953132	859.0596924	0.265471578	254.1226807	0.000126913	0.000126913	7.82251E-06	0.015259484	0.011773573	0.47986269	0.055866312	3.04248E-05	57.24897766	0.000104083	0.002764023	0.000859733	0.004723294
2030 Jun	1399.238159	1.734390974	2.267761469	0.076703459	744.7338257	0.251875728	245.4452057	0.000164489	0.000164489	8.6634E-06	0.014591539	0.011363817	0.462252289	0.055772483	3.55977E-05	55.80041885	9.91656E-05	0.002738731	0.000890252	0.004578078
2030 Jul	1412.732666	1.787576318	2.329160929	0.079019308	752.6190796	0.264468163	250.7744751	0.00010217	0.00010217	7.10947E-06	0.015139293	0.011622705	0.474214464	0.054131713	2.66043E-05	56.21596909	0.000103462	0.002689571	0.000815443	0.004652216
2030 Aug	1455.14856	1.866527677	2.427850723	0.082490712	778.1799316	0.275193155	257.5756836	7.20821E-05	7.20821E-05	6.43357E-06	0.015665045	0.011943981	0.488035738	0.054177701	2.24556E-05	57.34362411	0.000107337	0.002708345	0.000790614	0.004765789
2030 Sep	1462.629028	1.88877368	2.45472455	0.083464675	783.6676636	0.277994245	258.5309448	5.58804E-05	5.58804E-05	6.02202E-06	0.015780862	0.011991315	0.490326971	0.05366585	2.00978E-05	57.35733032	0.00010827	0.002691239	0.000770016	0.004777149
2030 Oct	1397.378296	1.770300269	2.306290865	0.078254029	744.6843262	0.261843324	247.9950562	9.82039E-05	9.82039E-05	6.95577E-06	0.01498143	0.011494409	0.469041407	0.053409126	2.58895E-05	55.55867767	0.000102407	0.002655091	0.000802357	0.004599568
2030 Nov	1388.240967	1.750569344	2.281931877	0.07738784	738.8560181	0.259237438	246.6112366	0.000108245	0.000108245	7.1969E-06	0.014860722	0.011428318	0.4661147	0.05356938	2.73145E-05	55.3765831	0.000101491	0.002657731	0.000813008	0.004577962
2030 Dec	1388.466187	1.750395417	2.281780958	0.077380486	738.9220581	0.259229332	246.6646118	0.000108862	0.000108862	7.21416E-06	0.014861857	0.011430683	0.466198236	0.053606689	2.74085E-05	55.39574432	0.000101494	0.002659286	0.000814033	0.00457918
2031 Jan	1388.38147	1.750036955	2.281355381	0.077364825	738.8474121	0.25918594	246.6569061	0.000109185	0.000109185	7.22257E-06	0.014860247	0.011430264	0.466174126	0.053619146	2.7456E-05	55.39795685	0.00010148	0.002659741	0.000814474	0.004579163
2031 Feb	1388.332031	1.749844313	2.281125784	0.077356406	738.8057861	0.259162426	246.6519165	0.000109352	0.000109352	7.22689E-06	0.014859354	0.011430002	0.466159731	0.053625368	2.74805E-05	55.39887619	0.000101473	0.002659966	0.000814699	0.004579134
2031 Mar	1388.737427	1.750284195	2.281711102	0.077375911	739.0131226	0.259230316	246.7260132	0.000109477	0.000109477	7.2315E-06	0.014863496	0.011433419	0.46629709	0.053645466	2.75024E-05	55.41663361	0.0001015	0.002660917	0.000815075	0.004580545
2031 Apr	1396.214722	1.759667516	2.293950081	0.077790752	742.9873657	0.260621637	248.0556183	0.00011012	0.00011012	7.27186E-06	0.014943411	0.011495024	0.468808442	0.053936847	2.76584E-05	55.71591187	0.000102046	0.002675344	0.000819543	0.00460525
2031 May	1402.074219	1.748460054	2.28140974	0.07730452	742.0562134	0.262877107	251.7246552	0.000126543	0.000126543	7.77055E-06	0.015112592	0.011662321	0.475310385	0.055374928	3.02603E-05	56.71874619	0.000103074	0.002739304	0.000852802	0.00467904
2031 Jun	1321.152466	1.568892002	2.054667234	0.069398962	679.730896	0.256682903	250.9633026	0.0001761	0.0001761	9.06737E-06	0.014891853	0.011617839	0.472413391	0.057368837	3.75709E-05	57.15052414	0.000101138	0.002813349	0.000921572	0.004684037
2031 Jul	1365.989624	1.654768109	2.159382582	0.073163114	702.703064	0.27572307	262.9317932	0.00012161	0.00012161	7.83715E-06	0.015822457	0.012183492	0.496780604	0.057382978	3.00414E-05	59.11628342	0.000108006	0.002843842	0.000875673	0.004883306
2031 Aug	1300.534668	1.60431838	2.087512732	0.070905671	670.1948242	0.269496709	251.9853973	6.79632E-05	6.79632E-05	6.2264E-06	0.015334013	0.011685227	0.47751832	0.052891299	2.15896E-05	56.0682106	0.00010509	0.002645353	0.000769805	0.004661376
2031 Sep	1280.037842	1.554141402	2.026575327	0.068707399	657.2263184	0.261627406	248.1570282	0.000101847	0.000101847	7.05492E-06	0.014978672	0.011501257	0.469243169	0.053598899	2.64369E-05	55.63819885	0.000102358	0.002662725	0.000807994	0.004603944
2031 Oct	1267.223511	1.512276053	1.976676941	0.066877469	648.1413574	0.255116493	245.7820892	0.000137936	0.000137936	7.96732E-06	0.01470542	0.011384352	0.46366927	0.054690078	3.16775E-05	55.55350494	0.000100173	0.002698345	0.000853215	0.004574094

Appendix D.2-27: TIRI01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2031 Nov	1268.678589	1.512911439	1.977707267	0.066906452	648.7807007	0.25524652	246.0688629	0.000139648	0.000139648	8.01761E-06	0.014717143	0.011397351	0.464164972	0.054820996	3.19443E-05	55.63705444	0.000100239	0.002704049	0.000856426	0.004580026
2031 Dec	1268.961304	1.512784362	1.977625489	0.066901214	648.8811646	0.255234748	246.1256409	0.000140334	0.000140334	8.03674E-06	0.014718248	0.011399859	0.464252949	0.054861933	3.20485E-05	55.65778351	0.000100241	0.002705751	0.000857558	0.004581333
2032 Jan	1268.93042	1.512492418	1.977290273	0.066888511	648.8410034	0.25519076	246.1207275	0.00014069	0.00014069	8.04608E-06	0.014716693	0.011399563	0.46423316	0.054876395	3.21012E-05	55.66101074	0.000100227	0.002706289	0.000858054	0.004581379
2032 Feb	1268.899536	1.512322068	1.977091908	0.066881083	648.812561	0.255164802	246.1152802	0.000140875	0.000140875	8.05087E-06	0.014715709	0.011399277	0.464217424	0.05488332	3.21283E-05	55.66205597	0.000100219	0.002706539	0.000858304	0.00458135
2032 Mar	1269.395142	1.51284039	1.977782726	0.066904068	649.059082	0.255253792	246.2116852	0.000141032	0.000141032	8.05672E-06	0.014721118	0.011403725	0.464396298	0.054909226	3.2156E-05	55.68509293	0.000100255	0.002707767	0.000858785	0.004583184
2032 Apr	1273.634888	1.517853022	1.984343171	0.067125775	651.2230835	0.256100357	247.0342102	0.00014156	0.00014156	8.08514E-06	0.014770097	0.011441811	0.465946048	0.055095114	3.22719E-05	55.87180328	0.000100588	0.002716907	0.000861735	0.004598517
2032 May	1291.311646	1.538476348	2.011091232	0.068036877	659.6793213	0.260526001	251.0778961	0.000141717	0.000141717	8.16037E-06	0.015019439	0.011629499	0.47363621	0.055903476	3.24799E-05	56.76026917	0.000102305	0.002757818	0.000872755	0.004672961
2032 Jun	1174.488892	1.320861459	1.734187126	0.058446858	580.2549438	0.246651351	242.6328278	0.000184233	0.000184233	9.13595E-06	0.014348542	0.011229619	0.456323653	0.056069512	3.83956E-05	55.42234039	0.73258E-05	0.002743007	0.000910952	0.004533914
2032 Jul	1174.037476	1.372320771	1.789386511	0.060668815	580.1570435	0.262614787	247.8035583	8.91221E-05	8.91221E-05	6.71229E-06	0.015001426	0.011487194	0.468942374	0.052978106	2.45346E-05	55.40697098	0.000102621	0.002638193	0.000788871	0.004592563
2032 Aug	1190.208252	1.395039082	1.818258047	0.061669815	588.3820801	0.267020941	251.3478088	8.43836E-05	8.43836E-05	6.64932E-06	0.015237061	0.011652601	0.47582522	0.053475585	2.39943E-05	56.12679672	0.000104285	0.002666013	0.000791563	0.004655943
2032 Sep	1193.775269	1.406675935	1.831987739	0.062177837	590.6503296	0.269280285	252.3032074	7.31945E-05	7.31945E-05	6.37029E-06	0.015335318	0.011699015	0.477970213	0.053180706	2.23795E-05	56.20108414	0.000105055	0.002657172	0.000778127	0.004669227
2032 Oct	1188.754028	1.39703548	1.820146203	0.061754886	587.9130859	0.267420143	251.1418152	7.85981E-05	7.85981E-05	6.49274E-06	0.015244609	0.011644105	0.475602299	0.05318436	2.31273E-05	56.01174164	0.000104385	0.002654405	0.000782747	0.004649935
2032 Nov	1185.806396	1.389387369	1.810985923	0.061420396	586.1712036	0.265939564	250.4065094	8.48206E-05	8.48206E-05	6.64432E-06	0.015177359	0.011608823	0.474021256	0.053307906	2.4016E-05	55.92569733	0.000103869	0.002657271	0.000789674	0.004638795
2032 Dec	1177.04187	1.374187589	1.792124391	0.060752697	581.5039673	0.263010591	248.4230347	9.17561E-05	9.17561E-05	6.79282E-06	0.015030477	0.011515466	0.470044196	0.053214904	2.49534E-05	55.57461548	0.000102799	0.002648764	0.000794288	0.004604968
2033 Jan	1177.013062	1.373638511	1.791507959	0.060728863	581.4547729	0.262903452	248.4030914	9.25445E-05	9.25445E-05	6.81331E-06	0.015026482	0.011514395	0.46998322	0.053245068	2.50693E-05	55.57976151	0.000102765	0.002649863	0.000795361	0.004604903
2033 Feb	1177.254395	1.373652816	1.791578412	0.060729731	581.5557861	0.262905121	248.4468231	9.29735E-05	9.29735E-05	6.82542E-06	0.01502768	0.011516347	0.470053911	0.053272303	2.51349E-05	55.59453583	0.00010277	0.002651009	0.00079609	0.004605872
2033 Mar	1179.033569	1.375582933	1.794123769	0.060815182	582.4247437	0.263273925	248.8183746	9.33378E-05	9.33378E-05	6.84159E-06	0.015049364	0.011533527	0.470750272	0.053361721	2.52059E-05	55.68039703	0.000102916	0.002655345	0.000797603	0.004612847
2033 Apr	1188.124268	1.386105537	1.807864308	0.061280467	586.9098511	0.265287519	250.7346039	9.41857E-05	9.41857E-05	6.89769E-06	0.015164812	0.011622326	0.47437188	0.053778265	2.54191E-05	56.11077118	0.000103705	0.002676008	0.00080393	0.004648421
2033 May	1165.191406	1.290425658	1.69395256	0.05709888	566.3799438	0.254463941	249.1024475	0.000177715	0.000177715	9.07735E-06	0.014771197	0.011531156	0.468825191	0.057069845	3.77252E-05	56.762043	0.000100293	0.002797303	0.000918911	0.004650425
2033 Jun	1084.227173	1.177840829	1.544977784	0.052111942	514.7915649	0.250636339	243.1290588	0.000152416	0.000152416	8.30349E-06	0.01449072	0.011258523	0.458197683	0.05479084	3.37024E-05	55.14675522	9.8572E-05	0.002695543	0.000866819	0.004530843
2033 Jul	1110.669067	1.237107515	1.614880085	0.054699197	526.300293	0.268072039	253.3721924	9.52334E-05	9.52334E-05	6.97175E-06	0.015324138	0.011744577	0.479360342	0.054346446	2.56949E-05	56.70170975	0.000104794	0.002704252	0.000812468	0.004697341
2033 Aug	1125.820679	1.277989626	1.662796736	0.056482535	533.6847534	0.278866231	259.0699158	5.32919E-05	5.32919E-05	5.96305E-06	0.015823241	0.012016811	0.491428196	0.053660657	1.97388E-05	57.4442215	0.000108584	0.00269239	0.000767757	0.00478607
2033 Sep	1089.221313	1.19734025	1.566019058	0.052954458	514.9835815	0.259922802	248.136795	0.000117408	0.000117408	7.46598E-06	0.014922881	0.011497448	0.468749911	0.054268382	2.87424E-05	55.82175827	0.000101843	0.002688175	0.000830173	0.004609538
2033 Oct	1064.809814	1.166574717	1.526629686	0.051597584	503.3105469	0.253096551	242.3179474	0.000121417	0.000121417	7.46968E-06	0.014549239	0.011226584	0.457560062	0.053288434	2.90707E-05	54.59442139	0.92349E-05	0.002636285	0.000820366	0.004504037
2033 Nov	1065.921021	1.158983946	1.518605828	0.051270347	503.5432129	0.251115412	241.9920044	0.00013643	0.00013643	7.86086E-06	0.014476481	0.011208685	0.456501156	0.053873572	3.1281E-05	54.70433044	0.86078E-05	0.002657757	0.000840944	0.004503797
2033 Dec	1066.159302	1.159103751	1.518793344	0.051275786	503.6510925	0.251136065	242.036972	0.000136695	0.000136695	7.86867E-06	0.014478327	0.011210724	0.45657891	0.053893983	3.13224E-05	54.71739578	0.86183E-05	0.002658647	0.000841444	0.004504726
2034 Jan	1066.181274	1.159051299	1.51874125	0.05127354	503.6589355	0.251121759	242.0369263	0.000136827	0.000136827	7.87216E-06	0.014477862	0.011210698	0.456574976	0.053899683	3.13419E-05	54.7189827	9.8614E-05	0.002658864	0.000841632	0.004504776
2034 Feb	1066.205444	1.159038186	1.518732786	0.051272996	503.6690979	0.251117438	242.0398407	0.000136897	0.000136897	7.87406E-06	0.014477798	0.01121082	0.456578493	0.053903289	3.13524E-05	54.72046661	9.86129E-05	0.002659009	0.00084174	0.004504856
2034 Mar	1066.418701	1.159248233	1.51901269	0.051282309	503.769043	0.251162112	242.086792	0.000136961	0.000136961	7.87657E-06	0.014480476	0.011212988	0.456665993	0.053915355	3.1364E-05	54.73153305	9.86309E-05	0.002659586	0.000841957	0.004505745
2034 Apr	1069.276367	1.162342429	1.523069859	0.051419202	505.1186218	0.251832008	242.7347107	0.000137349	0.000137349	7.89821E-06	0.014519157	0.011242994	0.45788756	0.054060571	3.14511E-05	54.87827301	9.88941E-05	0.002666739	0.00084424	0.004517812
2034 May	1075.0802	1.158252239	1.51927197	0.05124522	506.209198	0.252772421	244.814621	0.000149787	0.000149787	8.26361E-06	0.014604098	0.011337254	0.461481988	0.055011176	3.33897E-05	55.48454666	9.93753E-05	0.002708154	0.000867563	0.004560841
2034 Jun	1030.907593	1.071807981	1.408977628	0.047434397	474.1113586	0.249532253	243.2845306	0.000164208	0.000164208	8.61799E-06	0.014458998	0.011263565	0.458148956	0.055332027	3.54573E-05	55.32330704	9.82547E-05	0.002716546	0.000884082	0.004538225
2034 Jul	1048.236694	1.107547164	1.448356867	0.048982218	475.9580383	0.269678831	255.9707794	0.000106779	0.000106779	7.32267E-06	0.015444262	0.011863081	0.48396787	0.055361226	2.75249E-05	57.41092682	0.000105525	0.00274941	0.0008359	0.00474957
2034 Aug	1056.744385	1.1312325	1.474914789	0.050010055	478.026947	0.279502004	261.5413208	7.25259E-05	7.25259E-05	6.51501E-06	0.015908558	0.012127993	0.495568961	0.054982994	2.27026E-05	58.21843719	0.000109011	0.002748944	0.000801834	0.004838907
2034 Sep	1008.529175	1.058516502	1.384741902	0.04681604	455.8113098	0.260866076	247.8937225	0.000106213	0.000106213	7.16573E-06	0.014947097	0.011488229	0.468614519	0.053735677	2.7072E-05	55.63321686	0.000102104	0.002667275	0.00081353	0.004600774
2034 Oct	992.9532471	1.031676292	1.352146745	0.045640163	448.8760376	0.253390968	242.874115	0.000124346	0.000124346	7.55688E-06	0.014573346	0.011251863	0.45853284	0.053525429	2.95302E-05	54.75174332	9.93764E-05	0.002646704	0.000826035	0.00451539
2034 Nov	995.9959106	1.032434583	1.353724957	0.045676317	450.2791443	0.253371745	243.3414154	0.000129272	0.000129272	7.69534E-06	0.014584958	0.011272647	0.459278077	0.053831276	3.02817E-05	54.91371155	9.94152E-05	0.002659523	0.000834321	0.004525875
2034 Dec	996.4129639	1.032676935	1.354088902	0.04568724	450.4699097	0.253414899	243.421402	0.000129686	0.000129686	7.70768E-06	0.01458845	0.011276285	0.459418207	0.053865038	3.03467E-05	54.93624878	9.94358E-05	0.00266101	0.000835125	0.004527505
2035 Jan	996.4549561	1.032616138	1.354034662	0.045684665	450.4900513	0.253391087	243.419632	0.000129888	0.000129888	7.71301E-06	0.014587631	0.011276165	0.459408909	0.053873457	3.03767E-05	54.93830872	9.94285E-05	0.002661326	0.00083541	0.004527551
2035 Feb	996.5230713	1.032632828	1.354069591	0.045685459	450.5214844	0.253390521	243.430069	0.000129999	0.000129999	7.71613E-06	0.014587887	0.011276629	0.459425539	0.053880326	3.03936E-05	54.94193268	9.94293E-05	0.002661614	0.000835596	0.004527785
2035 Mar	996.7442627	1.032832503	1.354338765	0.045694329	450.6218262	0.253437042	243.4806976	0.000130084	0.000130084	7.71925E-06	0.01459072	0.011278964	0.459519386	0.053894021	3.04084E-05	54.9540596	9.94481E-05	0.002662262	0.000835852	0.004528749
2035 Apr	1000.335449	1.036536932	1.359200358	0.045858238	452.245575	0.254344553	244.3559875	0.000130584	0.000130584	7.74787E-06	0.014643056	0.011319506	0.461170405	0.054089185	3.05226E-05	55.15201187	9.98045E-05	0.002671887	0.000838904	0.004545042
2035 May	1013.956787	1.046625733	1.372896194	0.046306662	457.5038452	0.258114994	248.2926788	0.000135714	0.000135714	7.95269E-06	0.014868357	0.011501309	0.468511641	0.055091549	3.14628E-05	56.0770874	0.000101314	0.002719921	0.000856742	0.004619425
2035 Jun	951.9746094	0.931127667	1.226653576	0.041220028	416.6775818	0.248595551	242.437149	0.000164261	0.000164261	8.6045E-06	0.014406445	0.011224218	0.456534922	0.055166356	3.54265E-05	55.13816452	9.78921E-05	0.002708115	0.000881896	0.004522657
2035 Jul	977.7143555	0.975605786	1.277750731	0.043155622	422.8120422	0.270218432	256.7860718	0.000110073	0.000110073	7.42408E-06	0.015483102	0.011900322	0.485423058	0.0556654	2.80504E-05	57.62947083	0.000105765	0.002763036	0.000842783	0.00476583
2035 Aug	937.0737915	0.952049077	1.241448641	0.042089324	402.5944519	0.268855512	250.8468628	6.23235E-05	6.23235E-05	6.05728E-06	0.015283418	0.011633412	0.475516558	0.052421525	2.07016E-05	55.75045013	0.000104789	0.002624609	0.000758708	0.004638269
2035 Sep	948.914856	0.931560218	1.223412395	0.041222196	409.8722229	0.258336991	248.2084961	0.000132805	0.000132805	7.87432E-06	0.01487335	0.011497937	0.46843642	0.054948978	3.10279E-05	56.02349472	0.000101373	0.002714279	0.000852362	0.004616761
2035 Oct	942.8525391	0.925003767	1.214969277	0.040932816	407.2952881	0.256426185	246.5137482	0.000133257	0.000133257	7.85647E-06	0.014767033	0.011419181	0.465198278	0.0546326	3.10174E-05	55.65738678	0.000100636	0.002697987	0.000848484	0.004585759
2035 Nov	927.8989868	0.915276289	1.200821757	0.040496252	400.4945984	0.254488528	243.4960785	0.000120514	0.000120514	7.46651E-06	0.01462521	0.011281442	0.459828317	0.053482886	2.89907E-05	54.84181595	9.97659E-05	0.00264664	0.000822221	0.004525363
2035 Dec	928.37146	0.915330052	1.201006055	0.04049914	400.7269592	0.254440516	243.5456696	0.000121462	0.000121462	7.49245E-06	0.014624952	0.01128357	0.459894985	0.053533744	2.91334E-05	54.86414337	9.97562E-05	0.002648701	0.000823708	0.004526638
2036 Jan	928.4267578	0.915264189	1.200952768	0.040496372	400.7591248	0.25440383	243.5384521	0.000121728	0.000121728	7.49936E-06	0.014623573	0.011283186	0.459873468	0.053543828	2.91726E-05	54.86576843	9.97445E-05	0.002649067	0.000824069	0.004526607
2036 Feb	928.4595337	0.915233552	1.200929999	0.040495094	400.7776489	0.25438568	243.535675	0.000121868	0.000121868	7.503E-06	0.014622913	0.011283031	0.45986411	0.053549327	2.91931E-05	54.86685181	9.97387E-05	0.00264927	0.000824261	0.00452661
2036 Mar	928.4872437	0.915226758	1.200930476	0.040494837	400.7919312	0.254378557	243.5368042	0.000121945	0.000121945	7.50506E-06	0.014622713	0.011283069	0.459863991	0.053552881	2.92046E-05	54.86802673	9.97367E-05	0.002649408	0.000824374	0.00452666
2036 Apr	931.824707	0.91827786	1.204885364	0.040629618	402.0385132	0.255547225	244.6007843	0.000121948	0.000121948	7.52384E-06	0.014688454	0.011332462	0.461888552	0.053763919	2.92537E-05	55.10133743	0.00010019	0.00266011	0.000827218	0.004546233
2036 May	945.4469604	0.930661559	1.221048832	0.041177157	407.303772	0.259994775	248.741394	0.000122887	0.000122887	7.62146E-06	0.014941043	0.011524505	0.469740301	0.054625344	2.95821E-05	56.020504	0.000101922	0.002703285	0.000839614	0.004622761
2036 Jun	900.7915039	0.839561284	1.106815577	0.037169997	377.1531067	0.251431853	244.0726318	0.000154646	0.000154646	8.37904E-06	0.014541213	0.011301914	0.459928036	0.055074416	3.40761E-05	55.38057709	9.89012E-05	0.002708706	0.000872525	0.004549055
2036 Jul	901.8115845	0.847434998	1.111099243	0.037491433	369.4941406	0.267602533	253.9703827	0.000105655	0.000105655	7.2578E-06	0.015324579	0.011770424	0.480194122	0.05491608	2.7267E-05	56.95877075	0.000104709	0.002727447	0.000828955	0.004712342
2036 Aug	912.7557983	0.870713651	1.137297511	0.038502049	371.7043762	0.27878356	260.9130859	7.27872E-05	7.27872E-05	6.51087E-06	0.015868818	0.012098781	0.494365871	0.054869771	2.27126E-05	58.08385849	0.000108735	0.002743059	0.000800531	0.004827451
2036 Sep	871.477356	0.831401885	1.085902452	0.036763512	354.8356018	0.266296118	249.1851196	6.91103E-05	6.91103E-05	6.2075E-06	0.01516594l	0.011555019	0.472156107	0.052385859	2.16316E-05	55.46810913	0.00010386	0.002619092	0.000763968	0.004610303
2036 Oct	898.6595459	0.812806427	1.075573087	0.036003429	372.5335083	0.249386877	245.0067444	0.000183054	0.000183054	9.14652E-06	0.014499376	0.01134004	0.460875422	0.05648908	3.83295E-05	55.92858124	9.8375E-05	0.00276493	0.000915606	0.004577131
2036 Nov	886.3088989	0.814560115	1.073620081	0.036062066	365.4888611	0.253278852	245.1086121	0.00014809	0.00014809	8.22392E-06	0.014628214	0.011351216	0.462090999	0.054996025	3.31517E-05	55.52851105	9.95556E-05	0.002708313	0.000865924	0.004565599
2036 Dec	883.1445923	0.813689351	1.071809411	0.036020566	363.8805542	0.253528476	244.780426	0.000142446	0.000142446	8.06893E-06	0.014627713	0.01133702	0.461631387	0.054686692	3.23001E-05	55.3883667	9.95995E-05	0.002695709	0.000856984	0.004557398
2037 Jan	883.3565674	0.813655734	1.071839333	0.036019407	364.0019836	0.253459632	244.77771	0.000143055	0.000143055	8.08499E-06	0.014625411	0.011336782	0.46160844	0.054712512	3.23903E-05	55.39513016	9.95785E-05	0.002696685	0.000857847	0.004557581
2037 Feb	883.5706177	0.813734531	1.071981668	0.036023065	364.1077881	0.253454059	244.8052673	0.000143387	0.000143387	8.09424E-06	0.014625951	0.011338	0.461651176	0.05473233	3.24407E-05	55.40517807	9.95794E-05	0.002697509	0.000858394	0.004558215
2037 Mar	884.9259033	0.814918041	1.073561668	0.036075551	364.6759033	0.253806174	245.1633911	0.000143769	0.000143769	8.11065E-06	0.014646742	0.011354555	0.46232152	0.054819871	3.25137E-05	55.4883194	9.97195E-05	0.00270174	0.000859897	0.004564949
2037 Apr	888.5964355	0.818261266	1.077977896	0.036223605	366.1940308	0.25483799	246.1703644	0.000144458	0.000144458	8.14657E-06	0.014706558	0.011401175	0.464217573	0.055049304	3.26619E-05	55.71741867	0.000100126	0.002713	0.00086357	0.004583737
2037 May	894.5664063	0.787099004	1.045400143	0.034881841	367.8131104	0.246690318	245.1135101	0.000209082	0.000209082	9.83651E-06	0.014414754	0.011340196	0.460318029	0.057636693	4.21921E-05	56.26642227	9.75739E-05	0.002808911	0.000953076	0.004589075
2037 Jun	837.4693604	0.72996372	0.964499593	0.032327436	331.9030762	0.25032866	242.8482361	0.000152408	0.000152408	8.29835E-06	0.014473393	0.011245487	0.457663536	0.054734841	3.36884E-05	55.08509445	9.84527E-05	0.002692707	0.000866059	0.004525675
2037 Jul	844.2994995	0.755078733	0.988655388	0.03339947	326.7412415	0.271898955	255.6465912	8.29485E-05	8.29485E-05	6.68694E-06	0.015507746	0.011852424	0.484047294	0.0542656	2.3978E-05	57.05194855	0.000106162	0.002706865	0.000800988	0.004734469
2037 Aug	826.9823608	0.749103844	0.976778448	0.033117123	316.7112427	0.275016695	255.1193542	4.87525E-05	4.87525E-05	5.7736E-06	0.015595015	0.011834254	0.48404327	0.052681092	1.88854E-05	56.52323532	0.000107049	0.00264519	0.000750725	0.004711659
2037 Sep	827.2035522	0.74162966	0.969853759	0.032799263	318.7320862	0.269371659	252.2301636	7.16071E-05	7.16071E-05	6.32704E-06	0.015336369	0.011695918	0.477877617	0.053097527	2.21409E-05	56.16589737	0.000105076	0.002653821	0.000775664	0.004667275
2037 Oct	826.7392578	0.723400533	0.952693462	0.032022819	323.1627808	0.255746961	245.093277	0.000125105	0.000125105	7.61596E-06	0.014707823	0.011354742	0.462733477	0.053399818	2.97441E-05	55.24745941	0.000100297	0.002670266	0.000833044	0.004556503
2037 Nov	828.9181519	0.724529684	0.954479158	0.032074127	324.2158203	0.255832702	245.4337616	0.000127772	0.000127772	7.69246E-06	0.014719519	0.011370056	0.463303477	0.054181103	3.0155E-05	55.35433197	0.000100355	0.002678086	0.000837763	0.004563789
2037 Dec	829.6481323	0.725019813	0.955181777	0.032096084	324.5396423	0.2559461	245.5917969	0.000128329	0.000128329	7.70997E-06	0.014727332	0.011377289	0.46358788	0.054236542	3.02448E-05	55.39570618	0.000100404	0.002680593	0.000838981	0.00456691
2038 Jan	829.7873535	0.725043714	0.955250859	0.032097306	324.6194458	0.255915046	245.5945892	0.000128645	0.000128645	7.71836E-06	0.014726399	0.011377362	0.463584006	0.054250754	3.02917E-05	55.40013233	0.000100395	0.002681141	0.000839439	0.004567082
2038 Feb	829.8654785	0.725061357	0.955293596	0.032098174	324.6631165	0.25590083	245.5978241	0.000128809	0.000128809	7.72276E-06	0.014726022	0.011377482	0.463585347	0.054258499	3.03162E-05	55.40282822	0.000100391	0.002681444	0.000839683	0.004567205
2038 Mar	830.1123047	0.72524941	0.955551982	0.032106545	324.7667847	0.255956084	245.6600189	0.00012893	0.00012893	7.72706E-06	0.014729441	0.011380346	0.463700145	0.054276079	3.0337E-05	55.4179306	0.000100414	0.00268227	0.000840022	0.004568396
2038 Apr	833.0009766	0.727757394	0.958862484	0.032217603	325.901001	0.256834835	246.5086975	0.000129426	0.000129426	7.75509E-06	0.014780149	0.011419652	0.46530059	0.054465774	3.04493E-05	55.60998917	0.000100759	0.002691619	0.000842996	0.004584197
2038 May	846.0756836	0.728187084	0.961733878	0.032246895	330.3269958	0.258618236	250.0163574	0.000148576	0.000148576	8.32304E-06	0.014929801	0.011578957	0.471415818	0.055989888	3.3448E-05	56.61038971	0.00010163	0.002758453	0.00087972	0.004656064
2038 Jun	803.4744873	0.660556316	0.87528044	0.029264722	304.9151306	0.251003265	244.0625458	0.000158508	0.000158508	8.48097E-06	0.014527055	0.011300733	0.459795982	0.055239554	3.4648E-05	55.42502213	9.87713E-05	0.002714971	0.000878016	0.004550351
2038 Jul	821.1556396	0.674789548	0.893966854	0.029894525	311.166626	0.257219344	249.9152527	0.000160488	0.000160488	8.6362E-06	0.014881803	0.011572066	0.470875293	0.056485403	3.5209E-05	56.73213196	0.000101199	0.002777075	0.000896469	0.004658772
2038 Aug	825.1157837	0.681234419	0.900432765	0.030170815	310.3326111	0.263463676	254.062439	0.000144874	0.000144874	8.2963E-06	0.015192814	0.011767467	0.479223251	0.056631714	3.30842E-05	57.45275879	0.000103473	0.002793028	0.000885233	0.004729073
2038 Sep	815.8709717	0.676067591	0.891937077	0.029934563	304.9185181	0.264606923	253.6381226	0.000129987	0.000129987	7.89526E-06	0.015218766	0.011750514	0.478850812	0.055903301	3.08583E-05	57.17987823	0.000103776	0.002764219	0.000862831	0.004715559

Appendix D.2-27: TIRI01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2038 Oct	810.5814209	0.671697378	0.885898352	0.029739844	302.4460754	0.263746202	252.5497437	0.000126888	0.000126888	7.79418E-06	0.015162368	0.011700559	0.476870269	0.055553418	3.03492E-05	56.90380859	0.000103414	0.002748168	0.000855497	0.00469435
2038 Nov	810.8851929	0.671898901	0.886171281	0.029748797	302.5499573	0.263845563	252.6497192	0.000126985	0.000126985	7.79852E-06	0.015168207	0.011705183	0.477057725	0.055577457	3.03682E-05	56.9269104	0.000103453	0.002749334	0.000855904	0.004696227
2038 Dec	810.9682007	0.671943724	0.886241555	0.02975083	302.5905762	0.263848543	252.6623383	0.000127086	0.000127086	7.8014E-06	0.015168633	0.01170575	0.477078766	0.055584311	3.03837E-05	56.93089294	0.000103455	0.002749627	0.000856081	0.004696497
2039 Jan	810.9881592	0.671950042	0.886254668	0.029751133	302.6021423	0.263844818	252.6629333	0.000127126	0.000127126	7.80248E-06	0.015168528	0.01170577	0.477078706	0.05558617	3.03897E-05	56.93150711	0.000103454	0.002749699	0.00085614	0.004696523
2039 Feb	810.9976807	0.671952605	0.88626045	0.029751256	302.6077881	0.263842613	252.6629639	0.000127147	0.000127147	7.80302E-06	0.015168457	0.011705767	0.47707817	0.055587076	3.03928E-05	56.9317627	0.000103454	0.002749734	0.00085617	0.004696532
2039 Mar	811.1548462	0.67207998	0.886429727	0.029756902	302.6676025	0.263890862	252.7103119	0.000127182	0.000127182	7.80479E-06	0.015171262	0.01170796	0.477167279	0.055597987	3.04002E-05	56.94257355	0.000103473	0.002750268	0.000856347	0.004697417
2039 Apr	811.7350464	0.672559083	0.88706243	0.029778117	302.8847656	0.264077961	252.8901672	0.000127279	0.000127279	7.81051E-06	0.015182037	0.011716291	0.477506727	0.055637836	3.04227E-05	56.983181	0.000103546	0.002752236	0.000856965	0.004700763
2039 May	814.1878052	0.674445093	0.889515996	0.029861471	303.6717529	0.265051812	253.7840576	0.000127355	0.000127355	7.82823E-06	0.01523701	0.011757773	0.479205489	0.055818316	3.04749E-05	57.18008041	0.000103924	0.002761348	0.00085946	0.004717235
2039 Jun	797.2903442	0.64504689	0.853435457	0.028571842	295.3796082	0.258223683	249.2148743	0.00014408	0.00014408	8.1901E-06	0.014896025	0.011542577	0.470021963	0.055636451	3.27451E-05	56.38035202	0.000101435	0.002742985	0.000871158	0.004639597
2039 Jul	773.8870239	0.618203759	0.817371547	0.027380401	282.0795288	0.256184191	246.321579	0.000133543	0.000133543	7.86064E-06	0.014754157	0.011410207	0.464824229	0.054606862	3.1051E-05	55.61870193	0.000100545	0.002696525	0.000848378	0.004582333
2039 Aug	770.3757324	0.612581432	0.809888422	0.027131166	279.4233704	0.256524771	246.4718323	0.000131919	0.000131919	7.82036E-06	0.014769132	0.011417481	0.465157628	0.054566387	3.08172E-05	55.6320343	0.000100662	0.002695359	0.00084646	0.004584475
2039 Sep	770.9848022	0.612766981	0.809850097	0.027138123	278.9870605	0.257768661	247.3770142	0.000129612	0.000129612	7.77528E-06	0.014833155	0.011459927	0.466947466	0.054645967	3.05166E-05	55.80261612	0.000101123	0.002700656	0.000845581	0.004600241
2039 Oct	769.2977295	0.611087501	0.80750525	0.027063183	277.9926453	0.257762074	247.2341766	0.000128222	0.000128222	7.73601E-06	0.014829203	0.011453553	0.466716319	0.05455748	3.0304E-05	55.75450897	0.000101107	0.002696928	0.000843213	0.004597081
2039 Nov	769.6972656	0.611386895	0.807909369	0.027076479	278.1442871	0.257877797	247.3525696	0.000128355	0.000128355	7.7416E-06	0.014836054	0.011459025	0.466937751	0.054586682	3.03291E-05	55.78206635	0.000101153	0.002698337	0.000843718	0.004599309
2039 Dec	769.7734985	0.611443162	0.80798614	0.027078984	278.1742249	0.257898003	247.3740082	0.000128386	0.000128386	7.7428E-06	0.01483727	0.011460015	0.466977626	0.054592278	3.03346E-05	55.78714371	0.000101161	0.002698604	0.00084382	0.004599716
2040 Jan	769.777771	0.611444294	0.807988822	0.027079036	278.177063	0.257896483	247.373703	0.000128397	0.000128397	7.74308E-06	0.014837214	0.011459998	0.466976732	0.054592684	3.03362E-05	55.78720474	0.000101161	0.002698618	0.000843835	0.004599715
2040 Feb	769.784729	0.611448526	0.807995141	0.02707923	278.1802368	0.257897288	247.375061	0.000128403	0.000128403	7.74327E-06	0.014837274	0.01146006	0.466979116	0.054593235	3.03373E-05	55.78757858	0.000101161	0.002698643	0.000843847	0.004599742
2040 Mar	769.8988647	0.611538589	0.808114469	0.027083218	278.2218323	0.257934719	247.4112701	0.000128425	0.000128425	7.74449E-06	0.014839436	0.011461737	0.467047393	0.05460136	3.03422E-05	55.795784	0.000101176	0.002699043	0.000843975	0.004600416
2040 Apr	770.2904053	0.611849248	0.808525205	0.027096977	278.3635559	0.258065403	247.5368347	0.000128492	0.000128492	7.74846E-06	0.014846961	0.011467553	0.467284381	0.054629143	3.03578E-05	55.82411957	0.000101227	0.002700415	0.000844406	0.004602752
2040 May	772.34198	0.612849712	0.810020924	0.027142059	279.1378174	0.258500427	248.0949249	0.00013014	0.00013014	7.80184E-06	0.014875675	0.011493158	0.468298197	0.054811087	3.06276E-05	55.9663887	0.000101411	0.002708743	0.00084825	0.00461365
2040 Jun	763.3336792	0.59615612	0.789541125	0.026409786	274.4442749	0.254990697	245.8416595	0.000139705	0.000139705	8.01512E-06	0.014702901	0.011386791	0.463730931	0.054778423	3.19424E-05	55.58792114	0.000100141	0.002701859	0.000855901	0.004575868
2040 Jul	762.6983643	0.59363997	0.785904467	0.026296966	272.7271118	0.256712228	247.1027679	0.000136597	0.000136597	7.95513E-06	0.014791727	0.011445908	0.466221541	0.054893918	3.15394E-05	55.82688141	0.000100779	0.002709415	0.000854828	0.004597875
2040 Aug	763.6831665	0.593294799	0.785151064	0.026280355	272.0241699	0.25851351	248.4931946	0.000134066	0.000134066	7.91264E-06	0.014886526	0.011510922	0.468941361	0.055059955	3.12277E-05	56.10113907	0.000101453	0.002719219	0.000854923	0.004622481
2040 Sep	761.8085327	0.590656221	0.781431496	0.026162464	270.3960876	0.259163916	248.8410492	0.000131585	0.000131585	7.85316E-06	0.014916718	0.011527527	0.46967575	0.055021532	3.08758E-05	56.14743042	0.000101682	0.002718626	0.000852307	0.004627929
2040 Oct	761.6119385	0.589972913	0.780546606	0.026132282	270.1184692	0.259289533	248.9560394	0.000131591	0.000131591	7.85535E-06	0.014923803	0.011532865	0.469894409	0.05504461	3.08821E-05	56.17272186	0.000101731	0.002719793	0.000852623	0.004630046
2040 Nov	761.8834839	0.590129972	0.780761659	0.026139272	270.2035828	0.259384692	249.0519257	0.000131686	0.000131686	7.85954E-06	0.014929396	0.011537299	0.4700741 17	0.055067707	3.09005E-05	56.19488525	0.000101768	0.002720913	0.000853014	0.004631847
2040 Dec	761.9204712	0.590155602	0.780797362	0.026140414	270.2186584	0.259392917	249.0614777	0.000131706	0.000131706	7.86026E-06	0.014929914	0.011537738	0.470091671	0.055070501	3.0904E-05	56.19723511	0.000101772	0.002721043	0.000853069	0.004632031
2041 Jan	761.9318848	0.590162873	0.780807972	0.02614074	270.2238159	0.259394467	249.0638428	0.000131716	0.000131716	7.86056E-06	0.014930026	0.011537846	0.470095932	0.055071399	3.09055E-05	56.19787598	0.000101772	0.002721083	0.00085309	0.004632078
2041 Feb	761.9420776	0.590169847	0.780817747	0.026141055	270.2279968	0.259396702	249.066452	0.000131722	0.000131722	7.86076E-06	0.014930167	0.011537966	0.470100701	0.055072166	3.09065E-05	56.19851685	0.000101773	0.002721119	0.000853105	0.004632128
2041 Mar	762.0140991	0.59022522	0.780891299	0.026143506	270.2538452	0.259420544	249.0896149	0.000131737	0.000131737	7.86155E-06	0.014931547	0.011539038	0.470144331	0.055077393	3.09098E-05	56.20376587	0.000101783	0.002721376	0.000853188	0.00463256
2041 Apr	762.2460938	0.59040463	0.781128824	0.026151454	270.3363037	0.259499162	249.1652222	0.000131778	0.000131778	7.86398E-06	0.014936073	0.011542541	0.470286995	0.055094171	3.09193E-05	56.22084427	0.000101814	0.002722204	0.000853449	0.004633966
2041 May	763.1656494	0.590952337	0.781858265	0.026175736	270.5960083	0.259875089	249.5233917	0.000131941	0.000131941	7.87457E-06	0.014957639	0.011559137	0.470963806	0.055172194	3.09598E-05	56.30133438	0.000101961	0.002726073	0.000854637	0.004640617
2041 Jun	757.253479	0.579355538	0.767662108	0.025667176	267.3922424	0.257575989	248.1098022	0.000138841	0.000138841	8.03216E-06	0.014846096	0.011492243	0.468072206	0.055190649	3.1918E-05	56.0747757	0.000101134	0.002723238	0.000860722	0.00461726
2041 Jul	743.5828247	0.561465681	0.743978977	0.024874697	259.1748657	0.256436378	246.6681061	0.000134732	0.000134732	7.89816E-06	0.014771406	0.011426073	0.465448916	0.054726999	3.1243E-05	55.70903778	0.000100654	0.002701968	0.000851002	0.004589164
2041 Aug	746.1177979	0.56237781	0.745071411	0.024914589	259.3822937	0.258160412	248.1641541	0.000133988	0.000133988	7.90481E-06	0.014866464	0.011495661	0.468317479	0.054991383	3.12012E-05	56.02806091	0.000101315	0.002715783	0.000853934	0.004616399
2041 Sep	745.0518188	0.560398817	0.742285728	0.024826184	258.1688843	0.25887394	248.6339417	0.000132162	0.000132162	7.86479E-06	0.014901895	0.011517806	0.469264776	0.055005472	3.0952E-05	56.10900116	0.000101575	0.002717496	0.000852579	0.00462434
2041 Oct	743.4522705	0.558283329	0.739437759	0.024732264	257.1099243	0.258901298	248.5723267	0.000131283	0.000131283	7.84046E-06	0.01490117	0.011515108	0.469173253	0.054955203	3.08188E-05	56.08486938	0.000101577	0.002715427	0.000851158	0.00462287
2041 Nov	743.7277222	0.558421552	0.73963052	0.024738429	257.1915588	0.258999199	248.6726379	0.000131397	0.000131397	7.84523E-06	0.01490697	0.011519743	0.469360799	0.05498001	3.08403E-05	56.10823822	0.000101616	0.002716623	0.000851589	0.004624759
2041 Dec	743.7763062	0.558455884	0.739677548	0.024739956	257.2101746	0.259012371	248.6866302	0.000131417	0.000131417	7.84602E-06	0.014907763	0.01152039	0.469386846	0.054983675	3.0844E-05	56.11155319	0.000101622	0.002716798	0.000851655	0.004625024
2042 Jan	743.7913818	0.558466077	0.739691854	0.024740411	257.2163696	0.25901556	248.6904602	0.000131426	0.000131426	7.84633E-06	0.014907967	0.011520565	0.46939382	0.054984834	3.08455E-05	56.11250305	0.000101623	0.002716851	0.000851679	0.004625098
2042 Feb	743.7955933	0.55846858	0.739695609	0.024740526	257.2183228	0.259015977	248.6912231	0.000131431	0.000131431	7.84645E-06	0.014907999	0.0115206	0.469395161	0.054985166	3.08462E-05	56.11272049	0.000101623	0.002716866	0.000851687	0.004625113
2042 Mar	743.8378296	0.558499932	0.739737451	0.024741918	257.2332153	0.259030074	248.7049866	0.00013144	0.00013144	7.84694E-06	0.014908818	0.011521238	0.469421089	0.054988302	3.08482E-05	56.11585617	0.000101629	0.00271702	0.000851737	0.00462537
2042 Apr	744.2769775	0.558829546	0.740174115	0.024756519	257.3852539	0.259182721	248.8516388	0.000131519	0.000131519	7.8516E-06	0.014917604	0.011528031	0.469697863	0.055020772	3.08665E-05	56.14895248	0.000101688	0.002718623	0.000852241	0.004628099
2042 May	745.7966309	0.559747338	0.741419256	0.024797307	257.8622437	0.259724468	249.3900757	0.000131979	0.000131979	7.87324E-06	0.014949265	0.011552942	0.470709026	0.055147436	3.09594E-05	56.27257538	0.000101903	0.002724796	0.000854336	0.00463818
2042 Jun	740.140625	0.550085962	0.729205608	0.0243719	254.4828949	0.258482963	248.5108795	0.000134528	0.000134528	7.92518E-06	0.014885999	0.011511658	0.468961477	0.05508348	3.1297E-05	56.11060715	0.000101446	0.002720159	0.000855631	0.004622984
2042 Jul	733.1869507	0.539493322	0.715342581	0.023903383	249.9107971	0.258078724	248.0335693	0.000133417	0.000133417	7.8874E-06	0.014860396	0.011489705	0.468085706	0.054940764	3.11105E-05	55.99252701	0.000101278	0.002713529	0.000852769	0.004613778
2042 Aug	726.0740967	0.529925466	0.702587068	0.023479151	245.3520203	0.257863641	247.5488129	0.00013048	0.00013048	7.80124E-06	0.014840732	0.011467744	0.467249066	0.054717578	3.06531E-05	55.85076904	0.000101167	0.002703814	0.000847279	0.004603734
2042 Sep	722.9117432	0.525304437	0.696475387	0.023274479	243.2398834	0.257798165	247.3894043	0.000129465	0.000129465	7.77162E-06	0.014834437	0.01146053	0.466975391	0.054642066	3.04954E-05	55.80356216	0.000101133	0.002700539	0.000845404	0.004600413
2042 Oct	720.7952271	0.522561729	0.692825735	0.023152895	241.9457092	0.25766027	247.1866455	0.000128681	0.000128681	7.74731E-06	0.014824657	0.011451262	0.466612458	0.054567914	3.03698E-05	55.74962997	0.000101072	0.002697207	0.000843741	0.004596382
2042 Nov	721.0316772	0.522707462	0.693023205	0.023159375	242.0209656	0.257743716	247.2696075	0.000128752	0.000128752	7.75064E-06	0.014829535	0.011455099	0.466768235	0.05458742	3.03841E-05	55.76866913	0.000101105	0.002698157	0.000844064	0.004597935
2042 Dec	721.0609741	0.522727668	0.693050861	0.023160271	242.0320282	0.257751733	247.2781525	0.000128764	0.000128764	7.75112E-06	0.014830018	0.011455494	0.466784149	0.054589666	3.03864E-05	55.77069855	0.000101108	0.002698264	0.000844105	0.004598098
2043 Jan	721.06604	0.522730768	0.693055511	0.023160411	242.0343933	0.25775221	247.2790833	0.000128769	0.000128769	7.75127E-06	0.014830058	0.011455536	0.466785759	0.054590065	3.03872E-05	55.77096176	0.000101108	0.002698282	0.000844115	0.004598117
2043 Feb	721.0689697	0.522732556	0.693058193	0.023160493	242.0357361	0.257752568	247.2796631	0.000128772	0.000128772	7.75135E-06	0.014830086	0.011455563	0.466786802	0.0545903	3.03876E-05	55.77112198	0.000101108	0.002698292	0.00084412	0.004598128
2043 Mar	721.0853271	0.522744238	0.693073809	0.023161013	242.0414124	0.257758051	247.2850342	0.000128776	0.000128776	7.75156E-06	0.014830403	0.011455812	0.466796875	0.05459154	3.03884E-05	55.77235031	0.000101111	0.002698353	0.00084414	0.004598229
2043 Apr	721.4284058	0.522992849	0.693403482	0.023172027	242.156662	0.257880449	247.4025421	0.000128838	0.000128838	7.75526E-06	0.014837448	0.011461256	0.467018723	0.054617513	3.0403E-05	55.79886246	0.000101159	0.002699636	0.000844542	0.004600414
2043 May	722.72052	0.523651361	0.694325686	0.023201423	242.5516968	0.258321017	247.8594818	0.000129406	0.000129406	7.77831E-06	0.014863694	0.011482363	0.467871577	0.054732677	3.05081E-05	55.90590286	0.000101335	0.002705167	0.000846574	0.004609037
2043 Jun	717.8468628	0.514611185	0.683069766	0.022804134	239.7063751	0.256917179	246.9568329	0.000133218	0.000133218	7.86323E-06	0.014794551	0.011439756	0.466042548	0.054718748	3.10319E-05	55.75406265	0.000100826	0.002702377	0.000849611	0.004593895
2043 Jul	717.9020996	0.512423873	0.680171072	0.022707228	238.6960449	0.257999539	247.8900604	0.000132691	0.000132691	7.86568E-06	0.014854073	0.011483177	0.467833787	0.054880891	3.09963E-05	55.95228958	0.000101241	0.002710889	0.000851348	0.004610859
2043 Aug	718.0446167	0.510773659	0.677921951	0.022633839	237.8195953	0.259083062	248.7864685	0.000131778	0.000131778	7.85731E-06	0.014912668	0.011524958	0.469566256	0.055019073	3.0902E-05	56.13779831	0.000101652	0.002718396	0.000852437	0.004626999
2043 Sep	715.8624878	0.507446587	0.673447728	0.022486148	236.1632233	0.259337634	248.8861542	0.000130436	0.000130436	7.82359E-06	0.014923532	0.011529832	0.469795167	0.054980766	3.07077E-05	56.14344406	0.000101738	0.002717186	0.000850786	0.004628318
2043 Oct	714.7355347	0.505591214	0.671079934	0.022404352	235.4733429	0.259141803	248.7379608	0.000130741	0.000130741	7.82906E-06	0.014913303	0.011522898	0.469504267	0.054964609	3.07462E-05	56.1146431	0.000101665	0.0027162	0.000850827	0.004625709
2043 Nov	714.2462158	0.504635572	0.669935882	0.02236256	235.2567596	0.258867294	248.5650482	0.000131524	0.000131524	7.8467E-06	0.014899876	0.011514727	0.469152391	0.054964188	3.08542E-05	56.08618546	0.000101566	0.002715751	0.000851483	0.004622828
2043 Dec	714.2761841	0.504655004	0.669963539	0.022363428	235.2692261	0.258873135	248.5723877	0.000131544	0.000131544	7.84737E-06	0.014900258	0.011515063	0.469165742	0.054966528	3.08576E-05	56.08804321	0.000101569	0.002715858	0.000851532	0.004622972
2044 Jan	714.2828979	0.504659355	0.66996944	0.022363611	235.2720642	0.258874208	248.5738373	0.000131552	0.000131552	7.84754E-06	0.014900345	0.011515136	0.469168305	0.054967232	3.08584E-05	56.08857727	0.000101569	0.002715883	0.000851546	0.004623005
2044 Feb	714.3083496	0.504677474	0.669992924	0.022364395	235.2804108	0.258883327	248.58255	0.000131561	0.000131561	7.84783E-06	0.014900888	0.011515549	0.469184697	0.054969441	3.08595E-05	56.09076309	0.000101573	0.00271598	0.000851581	0.004623173
2044 Mar	714.3644409	0.504717231	0.670045376	0.022366144	235.2988739	0.258903593	248.602005	0.000131573	0.000131573	7.84846E-06	0.014902066	0.011516455	0.469221354	0.054973893	3.08619E-05	56.09527206	0.000101581	0.002716194	0.00085165	0.004623539
2044 Apr	714.5057373	0.504817069	0.670177817	0.022370562	235.3453979	0.258954734	248.651123	0.0001316	0.0001316	7.85001E-06	0.014905016	0.011518733	0.469314039	0.054984841	3.0868E-05	56.10642242	0.000101601	0.002716731	0.000851819	0.004624454
2044 May	715.4161377	0.505423367	0.67097491	0.022397282	235.6212158	0.25931251	248.9887848	0.000131794	0.000131794	7.85968E-06	0.014925832	0.011534481	0.469952434	0.055059996	3.09029E-05	56.18409729	0.000101742	0.002720363	0.000852947	0.004630788
2044 Jun	696.4353027	0.486713052	0.645481765	0.021566801	226.0332794	0.256456882	245.3652039	0.000133536	0.000133536	7.61588E-06	0.014807618	0.011377432	0.463356227	0.054133486	2.94868E-05	55.42616653	0.000100705	0.002671737	0.000832775	0.004567778
2044 Jul	692.6054688	0.481639713	0.638524294	0.0213427	223.2891388	0.256882638	245.4051208	0.000133175	0.000133175	7.54918E-06	0.014840093	0.011381927	0.463537991	0.054037206	2.9049E-05	55.42208862	0.000100877	0.002667556	0.000828744	0.004568874
2044 Aug	694.9047241	0.482533336	0.639624238	0.021381695	223.5812836	0.25829491	246.6427612	0.000133312	0.000133312	7.56479E-06	0.014919994	0.011439851	0.465904474	0.054275125	2.90608E-05	55.69530487	0.000101415	0.002679534	0.000831633	0.004591852

Appendix D.2-27: TIRI01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2044 Sep	688.3734131	0.475589275	0.629957795	0.02106718	219.8858948	0.257871926	245.8100586	0.000131834	0.000131834	7.46398E-06	0.014895365	0.011403793	0.464436233	0.053984169	2.84898E-05	55.49953079	0.000101189	0.002665438	0.000824359	0.00457687
2044 Oct	685.4207764	0.472637951	0.62574023	0.020930046	218.2897339	0.257595122	245.3566742	0.000131588	0.000131588	7.42163E-06	0.014883601	0.011384157	0.463620394	0.053848784	2.82469E-05	55.40103912	0.000101062	0.002658522	0.000821089	0.004569146
2044 Nov	685.105957	0.472323626	0.625266969	0.020914804	218.1114807	0.257578969	245.3135071	0.000131706	0.000131706	7.41763E-06	0.014884005	0.011382442	0.463543892	0.053837352	2.822E-05	55.39384079	0.000101053	0.002657838	0.000820754	0.004568554
2044 Dec	685.1185913	0.472333014	0.625278234	0.020915186	218.1154785	0.257583946	245.3179169	0.000131717	0.000131717	7.4178E-06	0.014884342	0.011382654	0.463552266	0.053838454	2.82205E-05	55.39496613	0.000101055	0.002657887	0.000820769	0.004568644
2045 Jan	685.1159668	0.472331434	0.625275493	0.020915097	218.1146088	0.257582963	245.316864	0.000131721	0.000131721	7.41779E-06	0.014884311	0.011382611	0.46355024	0.053838395	2.82204E-05	55.39486694	0.000101055	0.002657877	0.000820768	0.00456863
2045 Feb	685.1151123	0.472330898	0.62527442	0.020915061	218.1143036	0.257582545	245.316452	0.000131723	0.000131723	7.41779E-06	0.014884299	0.011382598	0.463549435	0.053838469	2.82204E-05	55.39490128	0.000101054	0.002657874	0.00082077	0.004568626
2045 Mar	685.151123	0.472355753	0.625307202	0.020916155	218.1257477	0.257596016	245.3292847	0.000131732	0.000131732	7.41819E-06	0.014885084	0.011383196	0.463573664	0.053841382	2.82219E-05	55.39787292	0.00010106	0.002658013	0.000820814	0.004568867
2045 Apr	685.2819824	0.472446024	0.62542659	0.020920148	218.1674042	0.25764522	245.3761292	0.000131758	0.000131758	7.41961E-06	0.01488793	0.011385371	0.463662148	0.053851712	2.82273E-05	55.40849304	0.000101079	0.002658522	0.000820972	0.004569741
2045 May	686.131897	0.473031968	0.626202226	0.020946095	218.4379883	0.25796473	245.6804352	0.000131921	0.000131921	7.42881E-06	0.014906396	0.011399492	0.464237183	0.053918522	2.82623E-05	55.47722626	0.000101204	0.002661819	0.00082199	0.004575409
2045 Jun	675.7185669	0.462439448	0.611934006	0.020480117	213.1645203	0.256356567	243.6915741	0.000133811	0.000133811	7.30997E-06	0.014844536	0.011312705	0.460619479	0.053400598	2.75582E-05	55.04418182	0.000100636	0.002635776	0.000811024	0.004540579
2045 Jul	670.4300537	0.456066996	0.603309155	0.020199675	209.9135895	0.25622195	243.2132111	0.000134567	0.000134567	7.2415E-06	0.014851929	0.011293936	0.459818661	0.053216148	2.71141E-05	54.93663025	0.000100606	0.002626696	0.000805825	0.004532758
2045 Aug	670.7357788	0.455096513	0.601928234	0.020156039	209.3217773	0.257162124	243.9670563	0.000134054	0.000134054	7.23347E-06	0.014903002	0.011329433	0.461280227	0.053332951	2.7021E-05	55.09604645	0.000100953	0.002632873	0.000806614	0.004546572
2045 Sep	668.0922852	0.45168215	0.597207308	0.020001827	207.5266876	0.257315457	243.9077454	0.000132956	0.000132956	7.19E-06	0.014909291	0.011327559	0.461219728	0.053256888	2.67664E-05	55.07208633	0.000100984	0.002629524	0.000804049	0.004545371
2045 Oct	667.8203735	0.451186657	0.596488535	0.019978609	207.2471924	0.257446885	243.9883881	0.000132868	0.000132868	7.18443E-06	0.0149172	0.01133155	0.46138224	0.053263403	2.67259E-05	55.08953476	0.00010103	0.002629862	0.000803853	0.004546951
2045 Nov	667.9475098	0.451273263	0.596601725	0.019982409	207.2866211	0.257496178	244.0347443	0.000132902	0.000132902	7.18583E-06	0.014920105	0.011333711	0.461469859	0.053273663	2.67311E-05	55.10012817	0.000101049	0.002630363	0.000804007	0.004547823
2045 Dec	667.9730225	0.451290846	0.596624315	0.019983169	207.2945251	0.257506102	244.0439911	0.000132912	0.000132912	7.18613E-06	0.014920711	0.011334144	0.461487383	0.05327576	2.67321E-05	55.10228348	0.000101053	0.002630463	0.000804038	0.004547999
2046 Jan	667.9761963	0.451293141	0.596626997	0.019983258	207.2954865	0.257507324	244.0450745	0.000132915	0.000132915	7.18618E-06	0.014920795	0.011334198	0.461489439	0.053276092	2.67322E-05	55.10261154	0.000101054	0.002630476	0.000804043	0.004548023
2046 Feb	667.9813232	0.451296657	0.596631467	0.019983407	207.2970734	0.257509261	244.0468903	0.000132917	0.000132917	7.18624E-06	0.014920914	0.011334285	0.461492836	0.053276587	2.67324E-05	55.10309601	0.000101055	0.002630496	0.00080405	0.004548059
2046 Mar	668.0419312	0.451337636	0.596685588	0.019985218	207.3158875	0.257532597	244.0690308	0.00013293	0.00013293	7.18689E-06	0.014922271	0.011335314	0.461534649	0.053281467	2.67349E-05	55.10813522	0.000101064	0.002630735	0.000804124	0.004548473
2046 Apr	668.3039551	0.451514691	0.596919537	0.019993056	207.3972015	0.257633597	244.1647339	0.000132983	0.000132983	7.18971E-06	0.014928125	0.011339761	0.461715668	0.053302396	2.67453E-05	55.12976837	0.000101103	0.002631767	0.00080444	0.004550257
2046 May	668.9957275	0.451914847	0.597438216	0.020010544	207.5738525	0.257941782	244.4499359	0.00013317	0.00013317	7.197E-06	0.014946314	0.011353162	0.462256014	0.053366207	2.67683E-05	55.19668198	0.000101225	0.002634782	0.000805361	0.004555658
2046 Jun	655.876709	0.438619345	0.579571486	0.019424079	201.0854797	0.255657792	241.7873383	0.000135547	0.000135547	7.0581E-06	0.014851156	0.011236398	0.457369715	0.052722562	2.5965E-05	54.6332283	0.000100407	0.002601462	0.000792329	0.004509126
2046 Jul	644.5930176	0.426004112	0.562638581	0.018867921	194.8639679	0.254461139	240.1394806	0.000135027	0.000135027	6.92137E-06	0.014797028	0.011164192	0.454403549	0.052227922	2.51852E-05	54.24994278	9.9952E-05	0.002577519	0.000781277	0.004479424
2046 Aug	645.0178833	0.425085366	0.561341345	0.018826596	194.3300629	0.255409509	240.9137115	0.000134751	0.000134751	6.91845E-06	0.014848967	0.011200676	0.455899119	0.052357074	2.51181E-05	54.41676712	0.000100301	0.002584179	0.000782364	0.004493739
2046 Sep	640.2992554	0.419717461	0.553970039	0.018583979	191.6207123	0.255068243	240.3396301	0.00013349	0.00013349	6.85519E-06	0.014826793	0.011175278	0.454873264	0.052164588	2.47729E-05	54.28004456	0.000100124	0.002574928	0.000777784	0.004483198
2046 Oct	637.3882446	0.416740775	0.549776614	0.01844609	190.0968933	0.254692942	239.8403473	0.000133247	0.000133247	6.81986E-06	0.014808308	0.011153148	0.453957617	0.052031338	2.458E-05	54.17193985	9.99585E-05	0.002568088	0.000774874	0.004474534
2046 Nov	637.135376	0.416451126	0.549355567	0.01843234	189.9430542	0.25468722	239.8157043	0.000133287	0.000133287	6.81687E-06	0.014808664	0.011152175	0.453914583	0.052023802	2.45608E-05	54.16765976	9.9954E-05	0.002567653	0.000774645	0.004474196
2046 Dec	637.163208	0.416469842	0.549379349	0.018433142	189.9513397	0.254698515	239.8260651	0.000133299	0.000133299	6.8172E-06	0.01480936	0.011152664	0.453934222	0.052026164	2.45619E-05	54.17009735	9.99584E-05	0.002567765	0.000774679	0.004474395
2047 Jan	637.1650391	0.416471243	0.54938066	0.018433189	189.9518738	0.25469923	239.8266602	0.000133303	0.000133303	6.81724E-06	0.014809421	0.011152696	0.453935325	0.052026421	2.4562E-05	54.17034149	9.99587E-05	0.002567773	0.000774683	0.004474411
2047 Feb	637.1722412	0.416476011	0.54938674	0.018433392	189.95401	0.254702032	239.8292999	0.000133306	0.000133306	6.81732E-06	0.014809594	0.011152823	0.453940272	0.052027125	2.45622E-05	54.17103577	9.99598E-05	0.002567802	0.000774694	0.004474463
2047 Mar	637.2907104	0.416553497	0.549488842	0.018436816	189.9893341	0.254749358	239.8738556	0.000133332	0.000133332	6.81859E-06	0.01481235	0.011154897	0.454024583	0.052036863	2.45668E-05	54.18115997	9.99784E-05	0.00256828	0.000774839	0.004475296
2047 Apr	637.4398193	0.416651011	0.54961741	0.018441131	190.0337982	0.254808962	239.9299774	0.000133364	0.000133364	6.82019E-06	0.014815819	0.011157508	0.454130828	0.052049078	2.45726E-05	54.19387054	0.000100002	0.002568881	0.000775021	0.004476344
2047 May	637.0704956	0.416063815	0.548769712	0.018413253	189.732254	0.254856706	239.9412842	0.000133889	0.000133889	6.81749E-06	0.014822134	0.01115932	0.454154313	0.052075043	2.45393E-05	54.2206459	0.000100029	0.002568895	0.000775241	0.004477378
2047 Jun	626.2036133	0.404653728	0.533206463	0.017897822	184.17659	0.253002673	237.8240051	0.000134908	0.000134908	6.70071E-06	0.014735871	0.011069231	0.450212598	0.051689122	2.38846E-05	53.86975098	9.93503E-05	0.002543067	0.000767205	0.004442435
2047 Jul	627.7532959	0.404701263	0.533232927	0.017900394	184.1342773	0.254193723	238.8647308	0.000135414	0.000135414	6.71529E-06	0.014806689	0.011118217	0.452206194	0.051890846	2.3893E-05	54.10117722	9.98181E-05	0.002553174	0.000769628	0.004461929
2047 Aug	628.9365845	0.40441227	0.532793045	0.017887101	183.9246979	0.255312294	239.8292389	0.000135302	0.000135302	6.72303E-06	0.014868852	0.011163321	0.45405513	0.052068133	2.38789E-05	54.31127167	0.000100239	0.002562235	0.000771632	0.004479726
2047 Sep	625.4669189	0.40014711	0.526974797	0.017695041	181.8073578	0.255179584	239.5175323	0.000134238	0.000134238	6.67803E-06	0.014858186	0.011149575	0.453511238	0.051943928	2.36311E-05	54.23108673	0.000100152	0.002556514	0.000768499	0.004473852
2047 Oct	622.9541626	0.397484303	0.523266256	0.017572621	180.4729614	0.254860133	239.1030731	0.000133867	0.000133867	6.64839E-06	0.01484137	0.011130992	0.452750474	0.051829726	2.34736E-05	54.13774872	0.000100011	0.002550831	0.000766061	0.00446649
2047 Nov	622.5137939	0.397004813	0.522584975	0.017550211	180.2281494	0.254818529	239.039093	0.00013388	0.00013388	6.64348E-06	0.014839741	0.011128217	0.452634096	0.051812373	2.34451E-05	54.1244812	9.99917E-05	0.002549916	0.00076565	0.004465436
2047 Dec	622.5379028	0.397020727	0.522604942	0.017550889	180.2351227	0.254828572	239.0482788	0.000133892	0.000133892	6.64376E-06	0.014840364	0.01112865	0.452651501	0.051814467	2.3446E-05	54.12665558	9.99956E-05	0.002550015	0.00076568	0.004465613
2048 Jan	622.5472412	0.397026926	0.522612631	0.01755115	180.2378235	0.254832417	239.0517883	0.000133898	0.000133898	6.64388E-06	0.014840607	0.011128819	0.452658147	0.051815357	2.34464E-05	54.12755585	9.99971E-05	0.002550053	0.000765693	0.004465683
2048 Feb	622.5653076	0.39703849	0.522627652	0.017551653	180.243042	0.254839718	239.0586395	0.000133903	0.000133903	6.64408E-06	0.014841042	0.011129141	0.452671051	0.051816974	2.3447E-05	54.12920761	0.0001	0.002550127	0.000765718	0.004465814
2048 Mar	622.5681763	0.397040367	0.522629976	0.017551731	180.243866	0.254840851	239.0597076	0.000133905	0.000133905	6.64411E-06	0.014841112	0.011129193	0.452673078	0.051817272	2.34471E-05	54.12950516	0.0001	0.002550139	0.000765722	0.004465836
2048 Apr	622.7744751	0.397165686	0.522794306	0.017557254	180.3003235	0.254928738	239.1417847	0.000133948	0.000133948	6.64629E-06	0.014846223	0.01113302	0.452828497	0.051835101	2.34546E-05	54.14820099	0.000100035	0.00255101	0.000765983	0.004467371
2048 May	623.6991577	0.397752613	0.523566604	0.017583191	180.5665894	0.255308747	239.4980774	0.000134147	0.000134147	6.65615E-06	0.014868352	0.011149612	0.453503221	0.051912367	2.34893E-05	54.22894669	0.000100184	0.002554809	0.000767124	0.004474029
2048 Jun	597.7507324	0.389715374	0.519595087	0.017099679	171.7820587	0.245407626	229.7213745	0.000173185	0.000170012	6.51115E-06	0.014493332	0.010697935	0.434204191	0.050070301	2.22734E-05	52.51377106	9.65836E-05	0.002443624	0.000736174	0.004308842
2048 Jul	420.1813354	0.40039292	0.602319598	0.016204113	125.6279068	0.159686014	147.2579803	0.000566987	0.000530978	5.90803E-06	0.011380977	0.006855588	0.268927902	0.0356155	1.46317E-05	38.92770767	6.54427E-05	0.001520819	0.000504706	0.00293551
2048 Aug	337.3486328	0.404985577	0.638484955	0.015742291	104.4368134	0.118987955	108.3448563	0.000755093	0.000703597	5.65134E-06	0.009933258	0.005035793	0.190865844	0.028801037	1.11514E-05	32.54025269	5.0777E-05	0.001084558	0.000396728	0.002289526
2048 Sep	305.7846985	0.403582454	0.645767927	0.015428645	95.96609497	0.103790805	93.92972565	0.000823447	0.000766379	5.54973E-06	0.00940364	0.004359119	0.162025481	0.02624069	9.85301E-06	30.1507473	4.53691E-05	0.00092214	0.000356362	0.00205019
2048 Oct	297.2843323	0.402492374	0.646197557	0.015310025	93.56365204	0.099796198	90.17123413	0.000840872	0.000782254	5.51972E-06	0.009265307	0.004182267	0.154519722	0.025560569	9.50602E-06	29.52059174	4.39539E-05	0.000879469	0.000345617	0.001987516
2048 Nov	295.4909973	0.402319849	0.646358848	0.015286189	93.06275177	0.098939866	89.3671875	0.000844782	0.000785802	5.51413E-06	0.009236502	0.004144406	0.152909562	0.0254163	9.43334E-06	29.38784981	4.36512E-05	0.000870313	0.000343335	0.001974174
2048 Dec	295.4968262	0.402327836	0.646371365	0.015286485	93.0645752	0.098941848	89.368927	0.0008448	0.000785819	5.51425E-06	0.009236692	0.004144488	0.152912542	0.025416818	9.43353E-06	29.38844299	4.3652E-05	0.000870331	0.000343342	0.001974213
2049 Jan	295.4978027	0.402329177	0.646373451	0.015286534	93.064888	0.09894219	89.36921692	0.000844803	0.000785822	5.51427E-06	0.009236727	0.004144502	0.152913019	0.025416926	9.43356E-06	29.38855743	4.36522E-05	0.000870334	0.000343343	0.00197422
2049 Feb	295.4986267	0.402330279	0.64637512	0.015286574	93.06513977	0.098942451	89.36945343	0.000844806	0.000785825	5.51428E-06	0.009236754	0.004144514	0.152913436	0.025417021	9.43359E-06	29.38865662	4.36523E-05	0.000870336	0.000343345	0.001974226
2049 Mar	295.5093079	0.402344793	0.646398425	0.015287125	93.06850433	0.098946027	89.37268066	0.000844836	0.000785853	5.51448E-06	0.009237087	0.004144664	0.15291895	0.02541795	9.43393E-06	29.38972855	4.36539E-05	0.000870368	0.000343357	0.001974298
2049 Apr	295.5647888	0.402420342	0.64651978	0.015289996	93.08598328	0.098964602	89.3894577	0.000844995	0.000786001	5.51552E-06	0.009238821	0.004145443	0.152947649	0.025422731	9.4357E-06	29.39525223	4.36621E-05	0.000870531	0.000343422	0.001974669
2049 May	295.8062134	0.402706325	0.646974266	0.015300918	93.15440369	0.09905538	89.47148132	0.0008455 8	0.000786546	5.51969E-06	0.009246486	0.004149266	0.153092057	0.025444716	9.44313E-06	29.42027473	4.3701E-05	0.000871342	0.00034372	0.001976416
2049 Jun	286.8151855	0.399683982	0.643898904	0.015102894	90.34576416	0.095166497	85.81563568	0.000859986	0.000799525	5.47719E-06	0.009106477	0.003979596	0.145897791	0.024761168	9.08234E-06	28.77290154	4.23327E-05	0.000830157	0.000332781	0.00191436
2049 Jul	271.3070068	0.395824313	0.64054215	0.014802629	85.77684021	0.088019378	79.13275909	0.000890072	0.000826899	5.42339E-06	0.008869635	0.003669474	0.132689252	0.023547309	8.48409E-06	27.62621307	3.98644E-05	0.000755065	0.000313452	0.001802499
2049 Aug	261.3164063	0.393111169	0.637474597	0.014588672	82.82984924	0.083263099	74.75562286	0.000912349	0.000847268	5.4017E-06	0.008729806	0.003463346	0.1239696	0.022752225	8.11573E-06	26.89657593	3.82744E-05	0.00070497	0.000301047	0.001730618
2049 Sep	256.8184814	0.39078638	0.633997262	0.014449646	81.35679626	0.081281617	72.96342468	0.00092031	0.000854439	5.38631E-06	0.008669193	0.003378284	0.120429784	0.022405773	7.9528E-06	26.58009148	3.76195E-05	0.000684193	0.000295696	0.001700754
2049 Oct	254.1841888	0.389264852	0.631593525	0.014360699	80.47505951	0.080131009	71.93679047	0.000924634	0.000858261	5.37615E-06	0.008633496	0.003329603	0.118410446	0.022203892	7.85897E-06	26.39521027	3.72404E-05	0.000672279	0.000292571	0.001683468
2049 Nov	253.8534393	0.38909322	0.631317914	0.014349807	80.3629837	0.07998383	71.80601501	0.000925304	0.000858853	5.37528E-06	0.008629544	0.003323387	0.118150778	0.022178819	7.8471E-06	26.3729496	3.71929E-05	0.000670739	0.000292177	0.00168131
2049 Dec	253.8582611	0.389100641	0.631329834	0.014350078	80.36450958	0.079985365	71.80737305	0.000925322	0.00085887	5.37538E-06	0.008629712	0.00332345	0.118153013	0.022179252	7.84725E-06	26.37345505	3.71936E-05	0.000670752	0.000292183	0.001681342
2050 Jan	253.8595734	0.389102608	0.631333053	0.014350151	80.36492157	0.07998579	71.80773163	0.000925327	0.000858875	5.37541E-06	0.008629759	0.003323468	0.118153609	0.022179376	7.84729E-06	26.37360001	3.71938E-05	0.000670756	0.000292184	0.001681351
2050 Feb	253.8600922	0.389103413	0.631334186	0.014350179	80.36508179	0.079985939	71.80787659	0.000925329	0.000858876	5.37542E-06	0.008629776	0.003323475	0.118153833	0.02217943	7.84731E-06	26.37366295	3.71939E-05	0.000670757	0.000292185	0.001681355
2050 Mar	253.8614502	0.389105499	0.631337583	0.014350256	80.36551666	0.079986371	71.80825806	0.000925334	0.000858881	5.37545E-06	0.008629823	0.003323493	0.118154466	0.022179559	7.84735E-06	26.37380981	3.71941E-05	0.000670761	0.000292187	0.001681364
2050 Apr	253.8888397	0.389147431	0.631405652	0.014351802	80.37417603	0.079994991	71.81599426	0.000925434	0.000858974	5.37603E-06	0.008630753	0.003323851	0.118167199	0.022181952	7.8482E-06	26.37665367	3.71981E-05	0.000670833	0.000292218	0.001681545
2050 May	254.0176239	0.389340222	0.631717741	0.014358912	80.41422272	0.080036499	71.85324097	0.000925894	0.000859401	5.37873E-06	0.008635147	0.003325582	0.118228942	0.022193428	7.85217E-06	26.39019585	3.72173E-05	0.000671184	0.00029237	0.001682413
2050 Jun	250.8704681	0.386930883	0.627714038	0.014229683	79.27650452	0.078755505	70.7201004	0.00092993	0.000862765	5.36321E-06	0.008594062	0.003273414	0.116038293	0.021971531	7.74276E-06	26.17962074	3.68033E-05	0.000658288	0.000288888	0.001662994
2050 Jul	244.2532959	0.382246822	0.61978668	0.013968574	76.96486664	0.075910084	68.21398163	0.000940366	0.000871681	5.33788E-06	0.008510849	0.003157905	0.111165643	0.021491613	7.52095E-06	25.72719383	3.59013E-05	0.000629743	0.000281383	0.001620649
2050 Aug	239.2182617	0.378619134	0.613340437	0.013759164	75.19186401	0.073630936	66.25241089	0.000950582	0.000880637	5.32794E-06	0.008456513	0.003065408	0.107287183	0.021126101	7.35917E-06	25.39861107	3.52119E-05	0.000606696	0.000275839	0.001588762
2050 Sep	236.8524933	0.376452059	0.609428585	0.013642183	74.29425049	0.072603352	65.40140533	0.000954576	0.000884061	5.32074E-06	0.008430908	0.003024089	0.105598502	0.020956067	7.28325E-06	25.25049973	3.49065E-05	0.000596313	0.000273351	0.0015748
2050 Oct	236.5588531	0.376199245	0.608946562	0.013626902	74.17353058	0.072468564	65.29543304	0.000955384	0.000884758	5.32083E-06	0.008429235	0.003018759	0.105380073	0.020935781	7.27358E-06	25.2353611	3.48705E-05	0.000594918	0.000273052	0.001573171
2050 Nov	236.5853119	0.37624076	0.609013617	0.013628406	74.18173218	0.072476819	65.30285645	0.000955489	0.000884856	5.32143E-06	0.008430181	0.003019102	0.105392121	0.020938139	7.27439E-06	25.23819351	3.48744E-05	0.000594986	0.000273082	0.001573349
2050 Dec	236.588562	0.376245946	0.609021902	0.013628592	74.18275452	0.072477825	65.30374908	0.000955503	0.000884868	5.3215E-06	0.008430298	0.003019144	0.105393574	0.02093843	7.27449E-06	25.23854446	3.48749E-05	0.000594994	0.000273086	0.00157337

Appendix D.2-27: TIRI01

Constituents	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	6.5E-04	3.3E-07	4.6E-01	5.8E-01	8.2E-03	6.4E-04	1.1E+01	7.7E-04	2.6E-03	1.2E-05	9.2E-05	8.7E-06	6.6E-02	3.3E-07	1.7E-04	2.6E-04	2.6E-04	1.7E-04
Operations (2020-2043): Mean	1.5E-02	3.9E-05	2.5E+01	2.7E+01	2.2E-01	7.8E-03	2.4E+02	2.2E-02	1.2E-02	1.1E-04	4.0E-03	1.4E-03	1.5E+00	4.5E-06	6.3E-03	2.3E-03	3.2E-03	9.1E-03
Operations (2020-2043): Max	1.7E-02	4.5E-05	2.8E+01	3.1E+01	2.4E-01	0.00928	4.2E+02	2.4E-02	1.9E-02	1.4E-04	4.5E-03	1.6E-03	1.7E+00	5.2E-06	7.0E-03	2.9E-03	3.8E-03	1.0E-02
Active Closure (2044-2050): Min	1.6E-02	1.2E-05	5.3E+00	8.6E+00	6.7E-02	1.5E-03	4.7E+01	5.1E-03	8.8E-03	1.0E-04	9.1E-04	3.4E-04	3.4E-01	4.3E-06	1.1E-03	7.0E-04	2.0E-03	1.4E-03
Active Closure (2044-2050): Mean	3.9E-02	3.1E-05	1.9E+01	2.2E+01	1.7E-01	5.5E-03	7.3E+01	1.6E-02	1.0E-02	1.8E-04	3.0E-03	1.1E-03	1.1E+00	4.7E-06	4.6E-03	1.6E-03	2.8E-03	6.7E-03
Active Closure (2044-2050): Max	8.0E-02	4.1E-05	2.6E+01	2.8E+01	2.3E-01	8.0E-03	1.0E+02	2.3E-02	1.2E-02	3.3E-04	4.2E-03	1.5E-03	1.6E+00	5.3E-06	6.5E-03	2.3E-03	3.3E-03	9.4E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than ap																		
Model Predictions (2020-2050)																		
2020 Jan	0.000650229	3.30065E-07	0.458790839	0.584215701	0.00818562	0.000640327	10.7931366	0.000772353	0.002587712	1.15523E-05	9.17582E-05	8.71373E-06	0.066013068	3.30065E-07	0.000167343	0.000263392	0.000256131	0.000165033
2020 Feb	0.001252892	6.35986E-07	0.88402015	1.125694871	0.015772447	0.001233812	20.79673576	0.001488207	0.004986128	2.22595E-05	0.000176804	1.679E-05	0.127197161	6.35986E-07	0.000322445	0.000507517	0.000493525	0.000317993
2020 Mar	0.001558837	7.91288E-07	1.099889755	1.400578976	0.019623931	0.001535098	25.875103	0.001851613	0.006203694	2.76951E-05	0.000219978	2.089E-05	0.158257499	7.91288E-07	0.000401183	0.000631447	0.000614039	0.000395644
2020 Apr	0.001728336	8.77328E-07	1.21948576	1.552870393	0.021757731	0.001702016	28.68862343	0.002052947	0.006878251	3.07065E-05	0.000243897	2.31615E-05	0.175465584	8.77328E-07	0.000444805	0.000700108	0.000680806	0.000438664
2020 May	0.002487236	1.26256E-06	1.754953504	2.234724998	0.031311404	0.00244936	41.28559494	0.002954382	0.009898443	4.41895E-05	0.000350991	3.33315E-05	0.252511293	1.26256E-06	0.000640116	0.00100752	0.000979744	0.000631278
2020 Jun	0.003913017	1.9863E-06	2.760960817	3.515755653	0.049260307	0.003853427	64.95209503	0.004647949	0.015572614	6.95206E-05	0.000552192	5.24384E-05	0.397260547	1.9863E-06	0.001007056	0.00158507	0.001541371	0.000993151
2020 Jul	0.001775663	9.01352E-07	1.252879262	1.595393062	0.02235353	0.001748623	29.47421074	0.002109164	0.0070666	3.15473E-05	0.000250576	2.37957E-05	0.180270404	9.01352E-07	0.000456985	0.000719279	0.000699449	0.000450676
2020 Aug	0.001249967	6.34501E-07	0.881956339	1.123066783	0.015735624	0.001230932	20.7481823	0.001484732	0.004974488	2.22075E-05	0.000176391	1.67508E-05	0.126900196	6.34501E-07	0.000321692	0.000506332	0.000492373	0.000317251
2020 Sep	0.002275299	1.15497E-06	1.605413914	2.044304132	0.028643357	0.00224065	37.7676506	0.002702639	0.009054997	4.04241E-05	0.000321083	3.04913E-05	0.230994806	1.15497E-06	0.000585572	0.000921669	0.00089626	0.000577487
2020 Oct	0.003512292	1.78289E-06	2.47821641	3.155714273	0.044215661	0.003458806	58.30048752	0.004171961	0.013977854	6.24011E-05	0.000495643	4.70683E-05	0.356577903	1.78289E-06	0.000903925	0.001422746	0.001383522	0.000891445
2020 Nov	0.003287768	1.66892E-06	2.319796085	2.953984737	0.041389167	0.003237701	54.57361603	0.003905268	0.013084318	5.84121E-05	0.000463959	4.40594E-05	0.333783597	1.66892E-06	0.000846141	0.001331797	0.00129508	0.000834459
2020 Dec	0.003275005	1.66244E-06	2.3107903	2.942517281	0.041228488	0.003225132	54.36175919	0.003890108	0.013033523	5.81854E-05	0.000462158	4.38884E-05	0.332487822	1.66244E-06	0.000842857	0.001326627	0.001290053	0.00083122
2021 Jan	0.003281504	1.66574E-06	2.315376282	2.948356867	0.04131031	0.003231532	54.46964645	0.003897828	0.013059388	5.83008E-05	0.000463075	4.39755E-05	0.333147675	1.66574E-06	0.000844529	0.001329259	0.001292613	0.000832869
2021 Feb	0.003285329	1.66768E-06	2.318074942	2.951793432	0.04135846	0.003235299	54.53313065	0.003902371	0.013074609	5.83688E-05	0.000463615	4.40267E-05	0.333535939	1.66768E-06	0.000845514	0.001330809	0.00129412	0.00083384
2021 Mar	0.003288568	1.66932E-06	2.320359945	2.954702854	0.041399229	0.003238488	54.58688354	0.003906217	0.013087498	5.84263E-05	0.000464072	4.40701E-05	0.333864748	1.66932E-06	0.000846347	0.00133212	0.001295395	0.000834662
2021 Apr	0.003292329	1.67123E-06	2.323013783	2.958082199	0.041446574	0.003242192	54.64931488	0.003910685	0.013102466	5.84932E-05	0.000464603	4.41205E-05	0.334246576	1.67123E-06	0.000847315	0.001333644	0.001296877	0.000835616
2021 May	0.003618633	2.48715E-06	2.84715414	3.532846451	0.04610939	0.003411273	62.61083603	0.004372285	0.013383128	6.08355E-05	0.000548645	7.30538E-05	0.366292477	1.76862E-06	0.000979618	0.001383846	0.001366682	0.001025494
2021 Jun	0.01306012	2.99029E-05	19.73381042	21.81216049	0.184276	0.007412121	307.8768921	0.018161856	0.01554395	0.000108383	0.003202852	0.001054032	1.287198544	4.18688E-06	0.005090711	0.002356437	0.003042616	0.007146385
2021 Jul	0.016189864	4.37114E-05	27.46505547	29.91563606	0.234105676	0.007633121	407.6558228	0.023270197	0.008870924	9.90655E-05	0.004358508	0.001557503	1.584618211	4.49308E-06	0.006804293	0.00208376	0.003171848	0.009952554
2021 Aug	0.016074115	4.46187E-05	27.82001877	30.22997284	0.233473107	0.007292942	409.5157471	0.023242662	0.006898013	9.18764E-05	0.004398621	0.00159244	1.571260571	4.43293E-06	0.006846298	0.001915087	0.003039005	0.010082227
2021 Sep	0.01609882	4.16842E-05	26.50549889	28.97604179	0.231268793	0.008007269	398.3912048	0.022936596	0.011609487	0.000107973	0.004229915	0.001481465	1.578669429	4.65477E-06	0.006633649	0.002296603	0.003314889	0.009603313
2021 Oct	0.016182369	4.06161E-05	26.06250954	28.5702076	0.231372654	0.008349567	395.4312744	0.02290944	0.01368042	0.000115357	0.004176816	0.00144064	1.588998199	4.81374E-06	0.00657262	0.002470447	0.003448097	0.00944168
2021 Nov	0.01616128	4.09218E-05	26.19064331	28.68828011	0.231377274	0.008254715	396.3197021	0.022920405	0.013101178	0.000113301	0.004192328	0.001452308	1.586331129	4.76982E-06	0.006590708	0.002422016	0.003411213	0.009488422
2021 Dec	0.016176896	4.0923E-05	26.19863892	28.6994133	0.231568128	0.008271659	396.5527344	0.022938192	0.013173798	0.000113614	0.004194141	0.001452265	1.587927699	4.77845E-06	0.006594229	0.002429185	0.003417969	0.009491283
2022 Jan	0.016179822	4.09095E-05	26.19390297	28.69552803	0.231592134	0.008278062	396.5423889	0.022939954	0.013208986	0.000113746	0.004193675	0.001451736	1.588249564	4.78151E-06	0.006593864	0.002432266	0.00342048	0.00948955
2022 Feb	0.016181318	4.09024E-05	26.19142532	28.69348526	0.231604293	0.008281368	396.5366516	0.022940842	0.013227187	0.000113814	0.004193429	0.00145146	1.588414669	4.78309E-06	0.006593668	0.002433858	0.003421776	0.009488643
2022 Mar	0.016188633	4.0915E-05	26.20059013	28.70389366	0.231703937	0.008286495	396.692749	0.022950539	0.013242421	0.000113897	0.004194979	0.001451893	1.589142323	4.78588E-06	0.006596209	0.002435704	0.003423856	0.009491958
2022 Apr	0.01633567	4.12832E-05	26.43702698	28.96313095	0.233805522	0.008362554	400.2824707	0.023158604	0.013368014	0.00011495	0.004232882	0.001464952	1.603581667	4.8297E-06	0.006655868	0.002458255	0.003455261	0.009577611
2022 May	0.016672615	4.21329E-05	26.98148537	29.55973053	0.23862651	0.00853548	408.5315857	0.023636071	0.01364667	0.000117331	0.004320082	0.001495098	1.636661053	4.92952E-06	0.006793016	0.002509195	0.003526699	0.009774855
2022 Jun	0.016341869	3.92811E-05	25.53510284	28.10038567	0.232172057	0.008838153	392.5368652	0.022937745	0.016531607	0.000125714	0.004116592	0.001389299	1.607545614	5.0433E-06	0.006508445	0.002713551	0.0036388	0.009249051
2022 Jul	0.015758764	4.20529E-05	26.51018906	28.90488434	0.227449849	0.007545666	394.8650818	0.022594275	0.009408907	9.90553E-05	0.004213552	0.001497351	1.543246031	4.42534E-06	0.006586355	0.002090622	0.003132056	0.009606115
2022 Aug	0.016376134	4.45222E-05	27.92023849	30.39318085	0.237062007	0.007648838	413.5514221	0.023572978	0.008490915	9.85691E-05	0.004426648	0.001587054	1.602337837	4.51245E-06	0.006905464	0.002068912	0.003180529	0.010117763
2022 Sep	0.0161481	4.27081E-05	26.99173164	29.45285988	0.232741728	0.007821925	403.1188354	0.023108818	0.010241984	0.000103541	0.004295233	0.001519852	1.582011342	4.57495E-06	0.006720564	0.002190643	0.003244089	0.009780273
2022 Oct	0.016499627	4.16656E-05	26.68793869	29.24000168	0.236124933	0.008453964	404.1750793	0.02338741	0.013552175	0.000116273	0.004273501	0.001478449	1.619729638	4.88153E-06	0.006720298	0.002486953	0.003492825	0.009668482
2022 Nov	0.016427841	4.19534E-05	26.78381538	29.31588936	0.235497937	0.008307364	404.2523804	0.023339039	0.012758993	0.000113275	0.004282313	0.001489732	1.611902595	4.81106E-06	0.006725917	0.002417004	0.003435268	0.009703637
2022 Dec	0.016445037	4.19178E-05	26.7759037	29.3121357	0.235676572	0.008334683	404.3642578	0.023354417	0.012896856	0.000113817	0.004282149	0.001488287	1.613722324	4.82445E-06	0.006727047	0.002429562	0.003446047	0.009700701
2023 Jan	0.016449237	4.18851E-05	26.76312828	29.30083084	0.235699728	0.008346972	404.2976685	0.023355441	0.012968082	0.000114076	0.004280707	0.001487029	1.614206553	4.83023E-06	0.006725539	0.002435653	0.003450847	0.009696034
2023 Feb	0.016451562	4.18686E-05	26.75677109	29.29525566	0.235713899	0.008353406	404.2669983	0.023356192	0.01300504	0.000114211	0.004280001	0.001486391	1.614472151	4.83327E-06	0.006724823	0.002438826	0.003453361	0.00969371
2023 Mar	0.016454495	4.18638E-05	26.75601578	29.29518509	0.23574549	0.008357758	404.2912292	0.023358963	0.013026496	0.000114297	0.00428005	0.001486194	1.614780307	4.83542E-06	0.006725113	0.002440802	0.003455081	0.009693425
2023 Apr	0.016538439	4.20704E-05	26.8893528	29.44160843	0.236942172	0.008402031	406.326355	0.023477333	0.013103895	0.000114917	0.004301476	0.001493512	1.623029709	4.86082E-06	0.006758902	0.002454135	0.003473338	0.009741725
2023 May	0.016697638	4.15361E-05	26.72369003	29.31830406	0.238421336	0.008702814	406.5615234	0.023596428	0.014700254	0.000121013	0.004288003	0.001472415	1.640214682	5.00618E-06	0.006754165	0.002596159	0.003591596	0.00968087
2023 Jun	0.015927998	3.96263E-05	25.49404526	27.96897888	0.227435857	0.008300579	387.8403931	0.02250934	0.014015337	0.00011541	0.004090632	0.001404725	1.564604998	4.77494E-06	0.006443196	0.002475904	0.003425626	0.009235425
2023 Jul	0.016494425	4.19198E-05	26.80033112	29.3465271	0.236278653	0.008388717	405.093811	0.023410458	0.013129495	0.000114816	0.004287771	0.001488079	1.618774652	4.85194E-06	0.006738044	0.002452474	0.003467584	0.00970944
2023 Aug	0.016410975	4.46009E-05	27.97237587	30.45088387	0.237552658	0.007668874	414.3683472	0.023621302	0.008534137	9.88642E-05	0.004435127	0.001589824	1.605773568	4.52374E-06	0.006918962	0.00207534	0.003188747	0.010136643
2023 Sep	0.016246835	4.37297E-05	27.50048447	29.96225548	0.234813884	0.007691694	408.5601807	0.023336666	0.009114164	0.000100134	0.004365931	0.001557868	1.59041965	4.5231E-06	0.006818171	0.002108168	0.003195242	0.009965277
2023 Oct	0.016146205	4.23228E-05	26.81667519	29.28471947	0.232389793	0.00791005	401.5829773	0.023062821	0.010836106	0.000105549	0.004272508	0.00150531	1.582458019	4.61432E-06	0.006691512	0.002238329	0.003278055	0.009716512
2023 Nov	0.016212694	4.1972E-05	26.68979836	29.177948	0.232898623	0.008065559	401.1816101	0.023098035	0.011702641	0.000108774	0.004259423	0.001491678	1.589847684	4.68843E-06	0.006680048	0.002313737	0.003338973	0.009670082
2023 Dec	0.016228855	4.19335E-05	26.68005943	29.17221642	0.233062148	0.008092424	401.2667847	0.023111906	0.011840167	0.000109309	0.004258971	0.001490128	1.591566086	4.70154E-06	0.006680731	0.002326179	0.003349563	0.009666483
2024 Jan	0.016232675	4.18992E-05	26.66637611	29.15995598	0.233079314	0.00810467	401.1883545	0.023112319	0.011912093	0.00010957	0.004257393	0.00148881	1.592014194	4.70729E-06	0.006679021	0.002332294	0.00335434	0.009661485
2024 Feb	0.016234739	4.18814E-05	26.65934372	29.15367699	0.233089253	0.008111103	401.1491089	0.023112634	0.011949722	0.000109706	0.004256586	0.001488128	1.592255116	4.71031E-06	0.006678156	0.002335499	0.00335685	0.009658918
2024 Mar	0.016259637	4.19331E-05	26.69457626	29.19297218	0.233436063	0.008126469	401.7153625	0.023146657	0.011987621	0.000109941	0.004262383	0.001489938	1.59471786	4.71884E-06	0.006687469	0.002340657	0.003363128	0.009671671
2024 Apr	0.016307849	4.20505E-05	26.77058411	29.27651978	0.234122306	0.008152196	402.879303	0.023214499	0.012034064	0.000110304	0.004274616	0.001494093	1.599458098	4.73357E-06	0.006706781	0.002348475	0.003373729	0.009699203
2024 May	0.016493253	4.10331E-05	26.39902306	28.96177673	0.235507578	0.008595024	401.6062317	0.023308216	0.014511869	0.000119503	0.004235832	0.001454596	1.620129108	4.94434E-06	0.006671893	0.002563701	0.003547146	0.009563262
2024 Jun	0.016240418	3.98734E-05	25.75450706	28.28802681	0.231444448	0.008587508	393.3728333	0.022890517	0.015120049	0.000120491	0.004139894	0.001412256	1.596175432	4.92424E-06	0.006530182	0.002591294	0.003540693	0.009329299
2024 Jul	0.016533459	4.54204E-05	28.40109062	30.88887978	0.239740968	0.007612172	419.3656616	0.023852985	0.007836067	9.70167E-05	0.004496662	0.001620069	1.616948843	4.50643E-06	0.007006765	0.002029483	0.003168597	0.010292416
2024 Aug	0.015997665	4.45744E-05	27.76358986	30.15890121	0.232505992	0.007218944	408.2252197	0.023151226	0.00660238	9.05474E-05	0.004387511	0.001591207	1.563508272	4.2947E-06	0.006826213	0.001884812	0.003009388	0.010061917
2024 Sep	0.015935184	4.20038E-05	26.57203674	29.00338936	0.229552478	0.007751842	397.2510986	0.022788055	0.010327917	0.000102926	0.004230351	0.001494481	1.561386824	4.52944E-06	0.00662146	0.002179554	0.003214064	0.009628076
2024 Oct	0.016036136	4.11339E-05	26.22692108	28.6951615	0.230037108	0.008066941	395.3212891	0.022803126	0.012171677	0.000109614	0.004190773	0.001461041	1.573167801	4.67737E-06	0.006578984	0.002336576	0.003337025	0.009502038
2024 Nov	0.016072202	4.01282E-05	25.78957367	28.28420067	0.229617178	0.008342203	391.9121704	0.022729428	0.01391808	0.000115695	0.004136033	0.001422851	1.578532219	4.80314E-06	0.006512171	0.002480268	0.003443708	0.009342613
2024 Dec	0.016081285	4.01592E-05	25.80789948	28.30378151	0.229754016	0.008344973	392.1661377	0.022743218	0.013912947	0.000115716	0.004138856	0.001423969	1.579410434	4.80499E-06	0.006516469	0.002480623	0.003444904	0.009349259
2025 Jan	0.016084438	4.01365E-05	25.7991333	28.29608345	0.22977294	0.008353771	392.123291	0.022744192	0.01396356	0.000115901	0.00413788	0.001423092	1.579770803	4.80914E-06	0.006515472	0.002484966	0.003448342	0.009346056
2025 Feb	0.016088212	4.01301E-05	25.79803085	28.29586601	0.229813337	0.008359438	392.1533203	0.022747727	0.013991617	0.000116012	0.004137926	0.001422828	1.58016777	4.81193E-06	0.006515824	0.002487544	0.003450581	0.009345642
2025 Mar	0.016093515	4.01347E-05	25.80263519	28.30145645	0.229881749	0.008364215	392.2488098	0.022754245	0.014009739	0.000116096	0.004138785	0.001422971	1.58070302	4.81442E-06	0.006517331	0.002489452	0.003452498	0.009347302
2025 Apr	0.016116621	4.01874E-05	25.83746147	28.33996391	0.230207592	0.008377373	392.7927551	0.022786355	0.014037544	0.000116289	0.00414444	0.001424829	1.582980752	4.82185E-06	0.006526324	0.002493646	0.003457899	0.009359914
2025 May	0.016495967	4.11306E-05	26.44438744	29.00584221	0.235623807	0.008575191	402.0275269	0.023322381	0.014372199	0.000119041	0.004241833	0.001458263	1.620244861	4.93563E-06	0.006679736	0.002552682	0.003539534	0.009579777
2025 Jun	0.016166246	3.98153E-05	25.69291496	28.21251488	0.230493203	0.008519257	392.0614929	0.022800082	0.014856918	0.000119282	0.004128231	0.001410489	1.588679314	4.88873E-06	0.00650957	0.002563829	0.003513325	0.009307101
2025 Jul	0.016289512	4.15331E-05	26.52797699	29.03999901	0.233457714	0.008253113	400.5859375	0.023134882	0.012756531	0.000112678	0.004242336	0.001474655	1.598441243	4.77759E-06	0.006664298	0.002405106	0.003412398	0.009610889
2025 Aug	0.01578797	4.38261E-05	27.3255558	29.69257736	0.22931838	0.007162713	402.2324524	0.022829099	0.006772523	9.02317E-05	0.004320419	0.001564157	1.543286681	4.25561E-06	0.00672455	0.001880778	0.00298475	0.00990303
2025 Sep	0.015761817	4.30539E-05	26.96408463	29.34043694	0.228341356	0.007314652	398.8278198	0.022711657	0.007856463	9.37992E-05	0.004272384	0.001535142	1.541893601	4.32199E-06	0.006661418	0.001965859	0.00304299	0.009771443
2025 Oct	0.015591899	4.10856E-05	25.99357986	28.37280464	0.224595949	0.00758797	388.6410828	0.022295624	0.010126299	0.000100779	0.004138439	0.001461782	1.527772784	4.43326E-06	0.006477826	0.002134282	0.003146029	0.009418468
2025 Nov	0.015570793	4.07766E-05	25.84384155	28.22465134	0.224075601	0.007637041	387.1230164	0.022236601	0.010509337	0.00010199	0.004118029	0.001450231	1.526126146	4.45386E-06	0.006450222	0.002163344	0.00316466	0.009363992

Appendix D.2-27: TIRI01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Dec	0.015579809	4.07768E-05	25.84823036	28.23086166	0.224185392	0.007646944	387.2555847	0.022246813	0.010552066	0.000102173	0.004119046	0.001450187	1.527048945	4.4589E-06	0.006452219	0.002167548	0.003168607	0.00936556
2026 Jan	0.015581878	4.07698E-05	25.8460865	28.22926521	0.224204615	0.007650847	387.2586975	0.022248361	0.010572773	0.000102252	0.004118872	0.001449913	1.527272224	4.46079E-06	0.006452158	0.00216939	0.003170141	0.009364774
2026 Feb	0.015582981	4.07664E-05	25.84502792	28.22849655	0.224215016	0.007652882	387.2610779	0.022249207	0.010583512	0.000102293	0.00411879	0.001449775	1.527390718	4.46177E-06	0.00645214	0.002170348	0.003170942	0.009364385
2026 Mar	0.015593708	4.07909E-05	25.86124992	28.24642563	0.224366426	0.007658966	387.5140991	0.02226413	0.010596246	0.000102382	0.004121423	0.001450642	1.528448105	4.46521E-06	0.006456324	0.002172281	0.003173439	0.009370259
2026 Apr	0.015640739	4.0912E-05	25.93835068	28.33075905	0.225041404	0.00768253	388.6750793	0.022331053	0.010631311	0.000102701	0.004133737	0.001454942	1.533061266	4.47888E-06	0.006475649	0.002179083	0.00318319	0.009398192
2026 May	0.015851123	4.12726E-05	26.20151138	28.62969208	0.22790654	0.007830282	393.160675	0.022609837	0.011071256	0.000105091	0.004178256	0.001467347	1.553997874	4.55904E-06	0.006548655	0.002232307	0.003243139	0.009493378
2026 Jun	0.015853107	3.92333E-05	25.28075981	27.7479744	0.226190075	0.008309943	385.2078552	0.022379981	0.014272974	0.000115966	0.004059322	0.001390314	1.557592154	4.77418E-06	0.006397542	0.002490317	0.003428185	0.009157974
2026 Jul	0.016451968	4.30142E-05	27.27473831	29.7916069	0.236996631	0.008085627	408.7568665	0.023487035	0.011213685	0.000108133	0.004346983	0.001529657	1.612608552	4.71326E-06	0.006810047	0.002294598	0.003350077	0.009882387
2026 Aug	0.015975278	4.44392E-05	27.69182777	30.08516693	0.232118487	0.00722589	407.3689575	0.023110541	0.006707122	9.08075E-05	0.004377116	0.00158623	1.561441422	4.29633E-06	0.006811249	0.001891354	0.003011752	0.010035849
2026 Sep	0.015802138	4.421E-05	27.5057888	29.8684063	0.22981824	0.007088477	403.941864	0.022888798	0.006239307	8.84823E-05	0.004344426	0.001578572	1.544098854	4.22328E-06	0.006756187	0.001839035	0.002956315	0.009968637
2026 Oct	0.015599166	4.08785E-05	25.90342903	28.28805161	0.224507496	0.007644484	387.9365845	0.022280265	0.010485211	0.000102028	0.004127148	0.001453918	1.528861165	4.45908E-06	0.00646403	0.002163801	0.00316793	0.009385606
2026 Nov	0.015685573	4.09474E-05	25.9757309	28.37654305	0.225616664	0.007723704	389.4690247	0.022385754	0.010789838	0.00010343	0.004140806	0.001456023	1.537591696	4.50031E-06	0.006488131	0.002195641	0.003199702	0.009411665
2026 Dec	0.015698191	4.09429E-05	25.97967911	28.38313484	0.225766152	0.007738697	389.6355591	0.022399494	0.010857211	0.000103713	0.004141947	0.001455778	1.538890958	4.50786E-06	0.006490564	0.002202135	0.003205662	0.009413063
2027 Jan	0.015701238	4.09303E-05	25.97543907	28.37975121	0.225792453	0.007745007	389.6308289	0.022401506	0.01089146	0.000103842	0.004141551	0.001455285	1.539223671	4.51089E-06	0.006490298	0.00220515	0.003208139	0.009411509
2027 Feb	0.015702736	4.09236E-05	25.97312164	28.37786293	0.22580494	0.00774823	389.6264343	0.022402434	0.010909113	0.000103908	0.004141326	0.001455023	1.53938818	4.51244E-06	0.006490129	0.002206699	0.003209403	0.00941066
2027 Mar	0.015717907	4.09573E-05	25.99559975	28.4027729	0.226018161	0.007757073	389.9802551	0.02242342	0.010928719	0.00010404	0.004144988	0.00145621	1.540885329	4.51741E-06	0.006495969	0.002209561	0.003213027	0.009418799
2027 Apr	0.015831294	4.12495E-05	26.18162727	28.60622978	0.2276458	0.007813809	392.7805176	0.022584802	0.011012757	0.000104808	0.004174696	0.001466589	1.552006602	4.55034E-06	0.006542583	0.002225919	0.003236506	0.009486198
2027 May	0.016204722	4.19431E-05	26.67290878	29.15999413	0.232776985	0.008063541	400.9517517	0.023085728	0.011709915	0.000108764	0.004256842	0.00149063	1.589079738	4.687E-06	0.006676144	0.002313648	0.003338083	0.009663955
2027 Jun	0.015901169	3.90059E-05	25.20086861	27.68211937	0.226580188	0.008416226	385.0200806	0.022408411	0.014858396	0.000118158	0.004051392	0.001381448	1.562890291	4.82501E-06	0.006391198	0.002541528	0.003469857	0.009128718
2027 Jul	0.016956873	4.3146E-05	27.57475471	30.19137383	0.242946595	0.008611975	416.6507568	0.024072608	0.013417825	0.000117765	0.004410964	0.001531724	1.664074779	4.98262E-06	0.006930743	0.002514808	0.0035602	0.00999005
2027 Aug	0.015810063	4.37949E-05	27.32197571	29.69406128	0.229560301	0.007194398	402.4331665	0.022850513	0.006926829	9.08495E-05	0.004321058	0.001562851	1.545600176	4.27128E-06	0.006727084	0.001895074	0.002997283	0.009901656
2027 Sep	0.016111962	4.29568E-05	27.08692932	29.53602791	0.232514724	0.007723815	403.564209	0.023096288	0.009680151	0.00010148	0.004305737	0.001529454	1.577898502	4.52858E-06	0.006731108	0.00214234	0.003205737	0.009815066
2027 Oct	0.015668729	4.20794E-05	26.4793148	28.85527611	0.226378083	0.007440086	393.6533813	0.022495551	0.008937503	9.70718E-05	0.004205068	0.001498873	1.533985138	4.37206E-06	0.006568552	0.002045044	0.003090065	0.009595158
2027 Nov	0.015762569	4.16456E-05	26.32792473	28.7311058	0.227148488	0.007645223	393.3265991	0.02255222	0.010064615	0.000101297	0.00419018	0.001481946	1.544312716	4.47022E-06	0.006556924	0.00214375	0.003170512	0.00953971
2027 Dec	0.015776347	4.16233E-05	26.32443619	28.73082924	0.2272969 93	0.007665636	393.4408875	0.022565261	0.010165205	0.000101697	0.004190417	0.001481027	1.545760155	4.48029E-06	0.006558298	0.002153016	0.003178579	0.009538394
2028 Jan	0.015778741	4.16044E-05	26.31702995	28.72426796	0.227309942	0.007672703	393.401886	0.022565814	0.010206223	0.000101846	0.004189578	0.001480299	1.546036601	4.48361E-06	0.006557419	0.002156522	0.003181339	0.00953569
2028 Feb	0.015782161	4.16003E-05	26.31677055	28.72477913	0.22734794	0.007677456	393.4355164	0.022569202	0.010229089	0.000101939	0.004189715	0.001480121	1.546393633	4.48597E-06	0.006557859	0.002158653	0.00318322	0.009535584
2028 Mar	0.015787264	4.16066E-05	26.32205391	28.7309761	0.227415353	0.007681609	393.53479	0.022575686	0.010243566	0.00010201	0.004190653	0.00148033	1.546905398	4.48817E-06	0.006559449	0.00216025	0.003184893	0.009537492
2028 Apr	0.015854917	4.17809E-05	26.43305206	28.85237312	0.228386521	0.00771546	395.2056274	0.022671979	0.010293701	0.000102468	0.004208378	0.001486524	1.553541064	4.50782E-06	0.006587263	0.00217001	0.003198902	0.009577707
2028 May	0.016149571	4.25554E-05	26.92340088	29.38772202	0.232629254	0.007859311	402.5238342	0.023093099	0.010488102	0.000104383	0.004286473	0.001514075	1.582416177	4.5918E-06	0.006709536	0.002210588	0.00325853	0.009755379
2028 Jun	0.015871583	3.93287E-05	25.33269501	27.80184174	0.226496115	0.008307988	350.5397034	0.022411723	0.014211783	0.000115837	0.004066959	0.001393812	1.559324861	4.77453E-06	0.006408692	0.002486952	0.00342769	0.009176833
2028 Jul	0.016917214	4.14237E-05	26.77745438	29.41866493	0.240994498	0.008971456	365.3721008	0.023831772	0.015924497	0.000126104	0.004305911	0.001466904	1.662879109	5.14114E-06	0.006794041	0.002713322	0.003698305	0.009699748
2028 Aug	0.016639046	4.4317E-05	27.95266533	30.48273849	0.240082681	0.007987045	368.3722229	0.023846721	0.0100674	0.00010504	0.004443959	0.001577785	1.629592538	4.68145E-06	0.006947957	0.002218108	0.00331468	0.010128731
2028 Sep	0.01588181	4.32292E-05	27.10042953	29.49776077	0.229949549	0.007406049	353.9195557	0.022867201	0.008155025	9.53237E-05	0.004295998	0.001541068	1.553885698	4.3709E-06	0.006700798	0.002000052	0.003079931	0.009820724
2028 Oct	0.015968971	3.84718E-05	24.99174881	27.49684906	0.2269485	0.008616112	343.0310059	0.022424243	0.016018206	0.000122383	0.004027741	0.001360883	1.570719242	4.91909E-06	0.006366397	0.002640665	0.003547912	0.009052324
2028 Nov	0.016209735	3.72995E-05	24.57654572	27.15261078	0.228874534	0.009156302	343.7038269	0.022562891	0.019002764	0.000133538	0.003986078	0.001315217	1.597314954	5.17717E-06	0.006332159	0.002901383	0.003759662	0.008900308
2028 Dec	0.016223455	3.72902E-05	24.57888794	27.15790558	0.229033396	0.009173616	343.8898926	0.022577342	0.019082792	0.000133868	0.003987066	0.001314788	1.598734856	5.18584E-06	0.006334483	0.002908988	0.003766533	0.008901116
2029 Jan	0.01622567	3.72729E-05	24.57212067	27.1519165	0.22904554	0.009180111	343.879303	0.022577872	0.019120455	0.000134005	0.003986302	0.001314121	1.59899044	5.1889E-06	0.006333683	0.002912209	0.00376907	0.008898644
2029 Feb	0.016226811	3.72639E-05	24.56861496	27.14881134	0.229051754	0.009183467	343.8737793	0.022578144	0.019139921	0.000134076	0.003985905	0.001313776	1.599122047	5.19048E-06	0.006333268	0.002913873	0.003770381	0.008897364
2029 Mar	0.016232267	3.72701E-05	24.57402229	27.15520477	0.229123384	0.009188033	343.973175	0.022585016	0.019156238	0.000134155	0.003986876	0.00131398	1.599670172	5.19289E-06	0.006334928	0.002915648	0.003772218	0.008899315
2029 Apr	0.016261227	3.7333E-05	24.61623955	27.20209503	0.229529113	0.009205269	344.5776367	0.022624901	0.019196048	0.000134413	0.003993779	0.001316188	1.602530241	5.20253E-06	0.006345964	0.002921304	0.003779273	0.0089146
2029 May	0.016437721	3.78251E-05	24.92267799	27.53495407	0.232094482	0.00928484	347.5957031	0.022880351	0.01926841	0.000135411	0.004042202	0.001333754	1.619778991	5.24988E-06	0.006421296	0.00294206	0.003812447	0.009025658
2029 Jun	0.01634953	3.78562E-05	24.89471626	27.48854446	0.231048957	0.009180241	326.0196838	0.022784226	0.018798763	0.000133441	0.004034187	0.001335436	1.610699534	5.19716E-06	0.006404233	0.002896778	0.003770861	0.009015757
2029 Jul	0.015951812	4.1965E-05	26.56240654	28.99785805	0.229721487	0.007779289	311.9343567	0.022802429	0.0104681	0.000103472	0.004229936	0.001492918	1.563153863	4.54284E-06	0.006622227	0.00219225	0.003224884	0.009624515
2029 Aug	0.016167134	4.45056E-05	27.81321335	30.24414825	0.234507322	0.00742207	318.831665	0.023334909	0.007519089	9.43805E-05	0.004402383	0.001587633	1.580970764	4.39697E-06	0.006858326	0.001972971	0.003090121	0.01007945
2029 Sep	0.015999118	4.30701E-05	27.08438301	29.50848198	0.231239676	0.007572759	314.1637268	0.022981657	0.008964116	9.85694E-05	0.004299777	0.001534382	1.566158652	4.4534E-06	0.006714739	0.002075132	0.003145885	0.009814501
2029 Oct	0.015774602	4.14395E-05	26.24051285	28.65003395	0.227118835	0.007706752	308.3281555	0.022542363	0.010444642	0.000102638	0.00417948	0.001474093	1.545886993	4.4986E-06	0.006544252	0.002175372	0.003194414	0.00950783
2029 Nov	0.015840124	4.09136E-05	26.03400803	28.46676254	0.227466419	0.007902202	308.6382446	0.022556547	0.01158074	0.000106773	0.004156053	0.001453851	1.553468943	4.59055E-06	0.006519559	0.002272407	0.003270726	0.009432398
2029 Dec	0.015849577	4.09091E-05	26.03647804	28.47123146	0.227577493	0.007913689	308.7822571	0.022566719	0.011632915	0.00010699	0.004156844	0.001453627	1.554444194	4.59632E-06	0.006521301	0.002277408	0.003275289	0.009433267
2030 Jan	0.015851242	4.08975E-05	26.03203583	28.46734619	0.227587849	0.007918241	308.7926331	0.022567285	0.011659002	0.000107086	0.004156352	0.00145318	1.554634094	4.59847E-06	0.006520806	0.00227965	0.003277068	0.009431642
2030 Feb	0.015855284	4.08997E-05	26.03495789	28.47104454	0.22763887	0.007922184	308.8599243	0.022572104	0.011674843	0.000107157	0.004156932	0.00145324	1.555044055	4.60051E-06	0.006521858	0.002281268	0.003278646	0.009432694
2030 Mar	0.015865915	4.09226E-05	26.05039024	28.48819542	0.227787659	0.007928543	309.060791	0.022586726	0.011689678	0.000107253	0.004159458	0.001454045	1.55609417	4.60406E-06	0.006525898	0.002283362	0.003281248	0.009438281
2030 Apr	0.015908204	4.10292E-05	26.11866951	28.56302071	0.228392646	0.007950275	309.881012	0.022646638	0.011724842	0.000107552	0.004170395	0.001457824	1.56024611	4.6166E-06	0.006543102	0.00228977	0.003290226	0.009463018
2030 May	0.016225222	4.18428E-05	26.63737488	29.13051224	0.232940659	0.008109631	316.0139771	0.023097489	0.011964672	0.000109716	0.004253272	0.001486726	1.591345072	4.70902E-06	0.0066732	0.002335898	0.003356149	0.009650946
2030 Jun	0.015954446	3.92298E-05	25.32745361	27.8152523	0.227418944	0.00842259	282.4124756	0.022494106	0.014762195	0.000118058	0.004070415	0.001389599	1.567971587	4.83138E-06	0.006419542	0.002538287	0.00347306	0.009174656
2030 Jul	0.01585551	4.19435E-05	26.50680923	28.92317009	0.228532463	0.007678805	275.4587402	0.022691149	0.010042047	0.000101616	0.004217943	0.00149266	1.553331375	4.49109E-06	0.006599474	0.002149794	0.00318448	0.009604573
2030 Aug	0.016063437	4.40095E-05	27.5395813	29.9589138	0.232823327	0.0074238	279.6050415	0.023161255	0.007800708	9.48947E-05	0.004361834	0.001569491	1.571180701	4.39088E-06	0.006798677	0.00198688	0.003089331	0.009980108
2030 Sep	0.0160117	4.4638E-05	27.79903984	30.19598961	0.232730925	0.00721953	278.9830017	0.023174329	0.006569749	9.04964E-05	0.004392794	0.00159353	1.564839125	4.29589E-06	0.006834025	0.001883372	0.003009811	0.010074786
2030 Oct	0.015660627	4.15586E-05	26.24009323	28.62427711	0.225835115	0.007553072	272.1062622	0.022427129	0.009713994	9.96728E-05	0.004173738	0.001479251	1.534021854	4.42217E-06	0.006528074	0.002106891	0.003133534	0.009508044
2030 Nov	0.015644807	4.10275E-05	25.99252129	28.383564	0.225189522	0.007659963	271.65448	0.022348806	0.010469832	0.000102171	0.004140943	0.001459283	1.533285618	4.46904E-06	0.006485131	0.002166423	0.003174542	0.009417912
2030 Dec	0.015652211	4.10196E-05	25.99247169	28.38516235	0.225272745	0.007669983	271.7731323	0.02235627	0.010517549	0.000102364	0.004141306	0.001458942	1.534056544	4.47402E-06	0.006486169	0.002170892	0.003178511	0.00941787
2031 Jan	0.015653929	4.10091E-05	25.98854065	28.38178062	0.225284666	0.007674339	271.7975464	0.022357015	0.0105422	0.000102455	0.004140883	0.001458535	1.534249902	4.47608E-06	0.006485765	0.002173022	0.003180215	0.009416433
2031 Feb	0.015654752	4.10035E-05	25.9864006	28.37991142	0.225289896	0.007676561	271.8090515	0.022357309	0.010554908	0.000102502	0.004140648	0.001458319	1.534343481	4.47714E-06	0.00648553	0.002174115	0.003181084	0.009415652
2031 Mar	0.015660077	4.10132E-05	25.99332619	28.38773346	0.225362927	0.007680163	271.8999634	0.022364432	0.010565124	0.000102559	0.004141809	0.001458655	1.534872413	4.4791E-06	0.006487422	0.002175388	0.003182548	0.009418157
2031 Apr	0.015744826	4.12328E-05	26.13290405	28.54031181	0.226580486	0.007722294	273.370575	0.022485189	0.010626093	0.000103127	0.004164082	0.001466457	1.543182969	4.5036E-06	0.00652235	0.002187467	0.00319999	0.009468728
2031 May	0.016077705	4.14246E-05	26.37811661	28.8493042	0.230790555	0.008044745	275.5986328	0.02288319	0.011915027	0.00010892	0.004212394	0.001471782	1.576939583	4.67017E-06	0.00660972	0.002319423	0.003329047	0.009556981
2031 Jun	0.016366616	3.98882E-05	25.8212738	28.38006973	0.232991055	0.008723323	261.7934875	0.023034807	0.015699428	0.000122995	0.004154823	0.001412086	1.609069467	4.99347E-06	0.006558997	0.002648627	0.003594854	0.009353215
2031 Jul	0.016722089	4.35675E-05	27.65344238	30.21453094	0.240452364	0.008254184	261.2590027	0.023855256	0.011637165	0.000110721	0.00440942	0.001548997	1.639339685	4.8067E-06	0.006910495	0.002351549	0.003418891	0.010019467
2031 Aug	0.015697541	4.31265E-05	26.96627998	29.32823944	0.227621987	0.007226724	241.7185822	0.02264728	0.007435986	9.20983E-05	0.00426946	0.001538254	1.535193205	4.27832E-06	0.006652694	0.00192656	0.003008171	0.00977245
2031 Sep	0.015695045	4.14847E-05	26.22304344	28.61559868	0.226190329	0.007608377	242.5050201	0.0224576	0.009994119	0.00010077	0.004173251	0.001476258	1.53766799	4.44924E-06	0.006530134	0.002132362	0.00315535	0.009501722
2031 Oct	0.01579535	4.00403E-05	25.61802101	28.05825043	0.226176873	0.008057243	244.9734039	0.022406569	0.012733904	0.000110496	0.004100041	0.001421129	1.550337911	4.65709E-06	0.006444832	0.002361487	0.0033299	0.009281011

Appendix D.2-27: TIRI01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2031 Nov	0.015824262	4.00433E-05	25.63310051	28.07912827	0.226530761	0.00808847	245.4595947	0.022439567	0.01286738	0.000111072	0.004103432	0.001421072	1.553292513	4.673E-06	0.006451398	0.002374682	0.003342351	0.009286411
2031 Dec	0.015832329	4.0034E-05	25.63276863	28.08060455	0.226620942	0.008099535	245.6006927	0.022447634	0.012920354	0.000111287	0.004103792	0.001420676	1.554133773	4.67849E-06	0.006452484	0.00237963	0.003346733	0.009286265
2032 Jan	0.015834443	4.00231E-05	25.62882233	28.0772953	0.226637274	0.008104432	245.6422272	0.022448776	0.012947592	0.000111388	0.004103388	0.00142025	1.554368258	4.68082E-06	0.006452133	0.002382002	0.003348652	0.00928482
2032 Feb	0.015835363	4.00169E-05	25.62646103	28.07523727	0.226643205	0.0081069	245.6611023	0.022449112	0.012961691	0.00011144	0.004103128	0.001420011	1.554472804	4.68199E-06	0.006451875	0.002383216	0.003349616	0.009283956
2032 Mar	0.015842255	4.00297E-05	25.63552666	28.08545494	0.226737887	0.008111509	245.7704926	0.022458356	0.012974555	0.000111513	0.004104644	0.001420455	1.555157065	4.68451E-06	0.00645434	0.002384835	0.003351491	0.009287238
2032 Apr	0.015895562	4.01618E-05	25.72062492	28.17884636	0.227498651	0.008139405	246.598877	0.022533633	0.013022241	0.000111902	0.004118306	0.001425137	1.560394287	4.70055E-06	0.006475867	0.002393184	0.003363001	0.009318064
2032 May	0.016141158	4.08802E-05	26.16227913	28.65662575	0.231097177	0.008242235	249.5400391	0.022892933	0.013070151	0.00011311	0.004187657	0.001450855	1.584340215	4.7629E-06	0.006583199	0.002417815	0.003406117	0.009478156
2032 Jun	0.015917819	3.81692E-05	24.83063507	27.33110809	0.226068452	0.008630505	228.743866	0.022332	0.016247641	0.000122944	0.00400436	0.00134975	1.565986156	4.92216E-06	0.006332676	0.002654816	0.003552745	0.008993801
2032 Jul	0.015587664	4.1781E-05	26.30586052	28.67105675	0.225138009	0.00742048	213.9464569	0.022369986	0.009017534	9.69982E-05	0.004178599	0.001488071	1.52618289	4.3579E-06	0.006528575	0.002044632	0.003081363	0.009532235
2032 Aug	0.015769968	4.25485E-05	26.73954773	29.12712288	0.228009075	0.007441976	216.0479431	0.022663346	0.008686493	9.66511E-05	0.004243762	0.001516007	1.543568373	4.37961E-06	0.006625651	0.002033392	0.003092217	0.009689625
2032 Sep	0.015752116	4.30355E-05	26.95113564	29.32587242	0.228207722	0.007308261	215.0934906	0.022698596	0.0078 39	9.36986E-05	0.004270225	0.001534502	1.540931344	4.31849E-06	0.006657918	0.001963631	0.003040389	0.009766758
2032 Oct	0.015718408	4.26752E-05	26.77223969	29.14697456	0.22749044	0.00735542	214.9881439	0.022619497	0.008242073	9.49231E-05	0.004245416	0.001521088	1.538079858	4.33739E-06	0.006623738	0.001993241	0.003058105	0.0097017
2032 Nov	0.015715998	4.23679E-05	26.63221359	29.01228333	0.227198899	0.007424704	215.3532104	0.022581803	0.008711565	9.65063E-05	0.004227194	0.001509496	1.538344026	4.36829E-06	0.006600374	0.002030846	0.003084797	0.009650702
2032 Dec	0.015642928	4.18173E-05	26.34858894	28.72429085	0.225840777	0.007472968	214.8199158	0.02243657	0.009224532	9.79361E-05	0.004186881	0.001489124	1.531779766	4.38509E-06	0.006543411	0.002065977	0.003102386	0.009547622
2033 Jan	0.01564705	4.17915E-05	26.338871	28.71589661	0.225868821	0.007483567	214.9253082	0.022438288	0.009284663	9.81578E-05	0.004185831	0.001488124	1.532244563	4.39011E-06	0.006542396	0.002071168	0.003106533	0.009544069
2033 Feb	0.015652595	4.17872E-05	26.33956909	28.71779633	0.225932553	0.007490694	215.0267487	0.022444062	0.009317869	9.82941E-05	0.004186197	0.00148793	1.53281939	4.39368E-06	0.006543294	0.002074311	0.00310936	0.009544304
2033 Mar	0.015677527	4.18433E-05	26.37680435	28.75901985	0.226283506	0.007505067	215.3830414	0.022478623	0.00934904	9.85061E-05	0.004192255	0.001489905	1.535278201	4.40177E-06	0.006552941	0.00207893	0.003115254	0.009557789
2033 Apr	0.015799137	4.21619E-05	26.57870865	28.97951508	0.228033677	0.007564683	217.061676	0.022652309	0.009430915	9.93019E-05	0.004224425	0.001501237	1.547197223	4.43654E-06	0.006603328	0.00209581	0.003139959	0.009630944
2033 May	0.016264997	3.95099E-05	25.60191727	28.14730072	0.231432959	0.008699744	222.9462128	0.022876922	0.015806425	0.000122925	0.004121394	0.001398385	1.599296212	4.97617E-06	0.006508566	0.002648648	0.003584332	0.009273636
2033 Jun	0.01573278	3.91569E-05	25.18895531	27.63324547	0.224662259	0.008195026	201.224884	0.022235315	0.013818027	0.000113909	0.004041449	0.001388124	1.545401692	4.71471E-06	0.006365439	0.002443502	0.003382167	0.009124919
2033 Jul	0.015965717	4.26038E-05	26.85775757	29.28392601	0.230435759	0.00764506	196.3183899	0.022890851	0.009534476	0.000100363	0.004268812	0.001516966	1.563514829	4.48359E-06	0.006672756	0.002118239	0.003173304	0.009732057
2033 Aug	0.016026795	4.48075E-05	27.88283157	30.27962685	0.233059078	0.007196507	192.3550873	0.02321068	0.006376512	8.99049E-05	0.00440438	0.001599845	1.566102624	4.28657E-06	0.006849937	0.001869087	0.003001143	0.010105259
2033 Sep	0.015798997	4.10413E-05	26.07217216	28.49417877	0.227075547	0.0078269	195.8570557	0.022524616	0.01118439	0.000105253	0.004158934	0.001458914	1.549046636	4.55407E-06	0.006520021	0.00223701	0.003241102	0.009446431
2033 Oct	0.015474212	3.98878E-05	25.39618301	27.7742672	0.222143069	0.007738532	192.4529572	0.02202631	0.011439404	0.000104735	0.004055337	0.001417222	1.517717361	4.49297E-06	0.006362965	0.002230075	0.003202451	0.009201235
2033 Nov	0.015555972	3.94054E-05	25.21705246	27.62083244	0.222725108	0.007941728	194.8635406	0.02206379	0.01258499	0.000108971	0.004036259	0.001398528	1.526889324	4.58946E-06	0.006345068	0.002329248	0.003281978	0.009135721
2033 Dec	0.015560486	3.94059E-05	25.21944046	27.62412453	0.222780421	0.007946586	194.9420166	0.022068953	0.012605718	0.000109061	0.004036793	0.001398522	1.527350426	4.59194E-06	0.006346099	0.002331299	0.003283916	0.009136576
2034 Jan	0.015561374	3.94022E-05	25.2181778	27.62311172	0.222788051	0.00794844	194.9651794	0.022069531	0.012615805	0.000109099	0.004036674	0.001398376	1.527447581	4.59283E-06	0.006346016	0.002332186	0.003284644	0.009136113
2034 Feb	0.015562024	3.94007E-05	25.21782875	27.6229229	0.222794697	0.007949498	194.9795532	0.022070101	0.01262118	0.00010912	0.004036661	0.001398317	1.527516484	4.59335E-06	0.006346051	0.002332674	0.00328506	0.009135984
2034 Mar	0.015565294	3.94073E-05	25.22236443	27.62799644	0.222840071	0.007951564	195.0239105	0.022074547	0.012626475	0.000109152	0.004037411	0.001398547	1.527840376	4.59449E-06	0.006347259	0.002333377	0.003285903	0.009137627
2034 Apr	0.015607096	3.95122E-05	25.28966713	27.7017765	0.223437712	0.007973145	195.5496063	0.022133719	0.012661893	0.00010945	0.004048198	0.001402267	1.531945109	4.60693E-06	0.006364234	0.002339765	0.003294815	0.009162008
2034 May	0.01581694	3.95325E-05	25.39879036	27.85301018	0.226005867	0.008199964	197.8564911	0.022373172	0.013631866	0.000113636	0.004072777	0.001401825	1.553392291	4.72249E-06	0.006411836	0.002435628	0.003385255	0.009201084
2034 Jun	0.015821885	3.88515E-05	25.09334564	27.56146622	0.225484684	0.008364872	189.0236206	0.022301249	0.014721525	0.000117355	0.004033535	0.001376075	1.555030942	4.79674E-06	0.006362312	0.002523799	0.003448934	0.009089805
2034 Jul	0.016200894	4.27422E-05	27.03225708	29.50342941	0.233412534	0.00787222	180.746048	0.023172352	0.010440757	0.000104441	0.004303107	0.001520833	1.587359071	4.60099E-06	0.006734689	0.002211116	0.003264231	0.009794865
2034 Aug	0.016306248	4.47058E-05	27.96994209	30.42525291	0.236369193	0.007528722	176.1427612	0.0235149	0.007869855	9.61636E-05	0.004429586	0.001594392	1.594878316	4.45398E-06	0.006903759	0.002012986	0.003133215	0.010136093
2034 Sep	0.015708633	4.13142E-05	26.15247917	28.55101395	0.226210013	0.007663281	173.7091064	0.022453556	0.010325804	0.000101954	0.004164807	0.001469742	1.539342284	4.47475E-06	0.006520452	0.002160222	0.003176719	0.009475973
2034 Oct	0.01552764	3.99045E-05	25.42915916	27.81774712	0.222806737	0.007793592	174.131546	0.022088584	0.011668381	0.00010574	0.004062266	0.001417544	1.523158908	4.52118E-06	0.006375939	0.002253035	0.00322444	0.009213076
2034 Nov	0.015589195	3.98489E-05	25.43331146	27.83541679	0.223507464	0.007874559	175.3802338	0.022151809	0.0120494	0.000107295	0.004065874	0.001415086	1.529552698	4.56155E-06	0.006385322	0.002288925	0.003256536	0.00921439
2034 Dec	0.015596828	3.98515E-05	25.4381237	27.84172821	0.223602489	0.007882373	175.5102386	0.022160731	0.012081763	0.000107437	0.004066878	0.001415141	1.530329823	4.56556E-06	0.006387193	0.002292177	0.003259658	0.009216119
2035 Jan	0.01559809	3.98454E-05	25.4359951	27.83966773	0.223612681	0.007885181	175.5486603	0.022161473	0.01209725	0.000107495	0.004066665	0.001414905	1.530469179	4.5669E-06	0.00638702	0.002293532	0.003260759	0.00921534
2035 Feb	0.015599472	3.98442E-05	25.43607712	27.84035492	0.223628372	0.007887002	175.5767212	0.022162886	0.01210583	0.00010753	0.004066745	0.001414849	1.530612588	4.56781E-06	0.00638723	0.002294339	0.00326148	0.009215365
2035 Mar	0.015603106	3.98508E-05	25.44081879	27.84570694	0.223678231	0.007889452	175.6244507	0.022167752	0.012112747	0.000107569	0.004067539	0.00141508	1.530973434	4.56915E-06	0.006388523	0.002295203	0.003262476	0.009217081
2035 Apr	0.01565942	3.99931E-05	25.53196526	27.94555855	0.22448425	0.007918277	176.262207	0.022247588	0.012158801	0.000107965	0.004082132	0.001420131	1.536501288	4.5858E-06	0.006411469	0.002303675	0.003274386	0.009250101
2035 May	0.015932152	4.0552E-05	25.91439056	28.37263107	0.228276417	0.008088434	178.8721924	0.022619385	0.012586173	0.000110578	0.004145181	0.001439662	1.563490987	4.68012E-06	0.006512898	0.002361161	0.003343854	0.009388528
2035 Jun	0.015771	3.86985E-05	24.99997139	27.46068573	0.224735603	0.008344535	169.2213593	0.022226335	0.014718071	0.000117127	0.004018925	0.00137059	1.550076485	4.78425E-06	0.006339767	0.002519217	0.003440374	0.009055955
2035 Jul	0.016272461	4.27948E-05	27.09013939	29.57481003	0.234327406	0.00793887	162.9258118	0.023259221	0.010699984	0.000105625	0.004314161	0.001522409	1.594597578	4.6356E-06	0.006754322	0.002238045	0.003290946	0.00981572
2035 Aug	0.015590571	4.30823E-05	26.89537811	29.23651314	0.226284012	0.007119014	148.5403137	0.022521371	0.006994443	9.01441E-05	0.004254956	0.001537202	1.524316549	4.22296E-06	0.006625916	0.001881954	0.002965121	0.009746966
2035 Sep	0.015907401	4.06191E-05	25.93294907	28.38490486	0.228032857	0.0080454	161.9912262	0.022599058	0.012362913	0.000109714	0.004146345	0.001442341	1.560845613	4.65919E-06	0.006512452	0.002341088	0.003326906	0.009395368
2035 Oct	0.015807971	4.03034E-05	25.74290085	28.18070412	0.226554751	0.008009592	161.1725464	0.022450764	0.012382451	0.000109357	0.004116815	0.001430989	1.551192403	4.63656E-06	0.006467149	0.002334251	0.003311697	0.00932646
2035 Nov	0.015539354	4.0124E-05	25.5339241	27.92072487	0.22313644	0.007755138	156.8486633	0.022126798	0.01138078	0.000104813	0.004076394	0.001425765	1.523993134	4.50472E-06	0.00639482	0.002230864	0.003209772	0.0092512
2035 Dec	0.01554876	4.01061E-05	25.53030205	27.91934776	0.223235473	0.007769715	157.0759888	0.022135388	0.011453743	0.000105101	0.004076395	0.001425033	1.52498579	4.51188E-06	0.006395555	0.002237536	0.003215527	0.00924985
2036 Jan	0.015550122	4.00972E-05	25.526968	27.91645813	0.223244518	0.00777328	157.1283569	0.022135925	0.011474032	0.000105176	0.004076032	0.001424693	1.525139809	4.51357E-06	0.006395199	0.002239285	0.003216921	0.009248632
2036 Feb	0.015550898	4.00928E-05	25.52532959	27.91506004	0.223250151	0.007775177	157.1564331	0.022136295	0.011484697	0.000105215	0.004075859	0.001424521	1.525226712	4.51447E-06	0.006395039	0.002240209	0.003217664	0.009248032
2036 Mar	0.015551486	4.00908E-05	25.52471733	27.91460419	0.223255634	0.00777629	157.1733246	0.022136735	0.011490598	0.000105238	0.004075809	0.001424443	1.525290251	4.51501E-06	0.006395021	0.002240734	0.003218101	0.009247808
2036 Apr	0.015615848	4.02809E-05	25.64129448	28.04061317	0.224200249	0.007802806	157.6037598	0.022231106	0.011500265	0.000105545	0.004094092	0.001431252	1.531562567	4.53115E-06	0.006423287	0.002246957	0.003229233	0.009290066
2036 May	0.01587259	4.09946E-05	26.08609772	28.52388954	0.227930233	0.007919057	159.5657043	0.022602461	0.01160888	0.000107007	0.004164407	0.001456725	1.556657553	4.60025E-06	0.006532713	0.002277419	0.003277683	0.009451267
2036 Jun	0.015804915	3.92626E-05	25.27105522	27.72795296	0.225629285	0.008249899	154.0957489	0.022328857	0.013997038	0.000114824	0.004055663	0.001391698	1.552610278	4.74408E-06	0.006389134	0.002464019	0.003404347	0.009154593
2036 Jul	0.016072335	4.24163E-05	26.82375908	29.27507019	0.231571659	0.007806634	143.8493195	0.022989985	0.010337069	0.000103541	0.004269737	0.001509267	1.574740648	4.56308E-06	0.006682235	0.002191892	0.003237126	0.00971933
2036 Aug	0.016270023	4.45862E-05	27.89859581	30.34884071	0.235826701	0.007516768	139.5096893	0.023460342	0.007884271	9.60582E-05	0.004418555	0.00159008	1.591369152	4.44623E-06	0.006886907	0.002011083	0.003128095	0.010110221
2036 Sep	0.015535953	4.25935E-05	26.64843178	28.98776627	0.225202844	0.00717319	133.1204376	0.022404015	0.007498884	9.16236E-05	0.004220306	0.001519055	1.519538403	4.24363E-06	0.006577592	0.001917958	0.00298525	0.009657187
2036 Oct	0.01605341	3.86269E-05	25.10205269	27.621315	0.228107288	0.008672989	156.9120026	0.022537315	0.016178567	0.000123287	0.004046215	0.001366254	1.579105258	4.95018E-06	0.006396469	0.002660721	0.003571037	0.009092233
2036 Nov	0.015823252	3.9633E-05	25.44721794	27.90081406	0.226168364	0.008183399	149.0547485	0.022391742	0.013504687	0.000113231	0.004079352	0.001405584	1.553871274	4.71548E-06	0.006420691	0.00242592	0.003378954	0.009218704
2036 Dec	0.015765257	3.97339E-05	25.465168	27.90510559	0.225549445	0.008095791	147.6238861	0.022337677	0.013069993	0.000111509	0.004078778	0.001409726	1.547766805	4.67237E-06	0.006415445	0.002386008	0.003344346	0.009225429
2037 Jan	0.01576921	3.97162E-05	25.45905113	27.9001255	0.225582391	0.008104297	147.7603149	0.022340132	0.013116567	0.000111684	0.004078185	0.001409035	1.548200965	4.67645E-06	0.006414998	0.002390093	0.003347683	0.009223187
2037 Feb	0.015773118	3.97117E-05	25.45890236	27.90085411	0.225626096	0.008109651	147.8482971	0.02234404	0.013142181	0.000111787	0.004078361	0.001408845	1.548608303	4.67911E-06	0.006415526	0.002392486	0.003349802	0.009223121
2037 Mar	0.01579736	3.97649E-05	25.49449921	27.94035149	0.2259662	0.008123944	148.1036072	0.022377491	0.013174611	0.000112001	0.004084172	0.001410715	1.55100143	4.68712E-06	0.006424806	0.002397148	0.003355657	0.009236011
2037 Apr	0.015862912	3.99255E-05	25.59827232	28.05435753	0.226900041	0.0081587	148.7342072	0.022469841	0.013236266	0.000112489	0.004100859	0.0014164	1.557444811	4.70703E-06	0.006451134	0.002407658	0.003369984	0.009273601
2037 May	0.016235784	3.79105E-05	24.86512375	27.43488884	0.229712695	0.009041979	159.3239136	0.022661872	0.018170604	0.000130824	0.004024685	0.001338146	1.598965287	5.12765E-06	0.00638329	0.00283657	0.003715931	0.009005343
2037 Jun	0.015715746	3.91069E-05	25.15825081	27.60004044	0.224412531	0.008187931	138.1403503	0.022210376	0.01381495	0.000113826	0.00403663	0.001386335	1.543741107	4.7104E-06	0.006357983	0.002441813	0.003379191	0.009113789
2037 Jul	0.016020223	4.33576E-05	27.22436523	29.647295	0.231741622	0.007528743	125.5779419	0.023038227	0.008614865	9.74739E-05	0.004318926	0.001545119	1.567841053	4.43506E-06	0.00674074	0.002048791	0.003129203	0.009865425
2037 Aug	0.015757214	4.42296E-05	27.49324608	29.84639549	0.229288846	0.007034313	116.8102264	0.02284026	0.005994178	8.7459E-05	0.004340563	0.001579571	1.539467454	4.19602E-06	0.006747775	0.001815495	0.002934791	0.009964213
2037 Sep	0.015736971	4.30673E-05	26.95829582	29.32936287	0.228050768	0.007284102	121.0548782	0.022685101	0.007716915	9.32198E-05	0.004270395	0.00153579	1.539327979	4.30665E-06	0.006656955	0.001952519	0.003030857	0.009769415
2037 Oct	0.015666969	4.02798E-05	25.66510582	28.07480049	0.224820659	0.007859497	130.8873901	0.022288742	0.011746163	0.000106597	0.004099722	0.001430913	1.536797643	4.55995E-06	0.006434428	0.002271083	0.00325182	0.009298576
2037 Nov	0.015705585	4.02653E-05	25.67694473	28.09473419	0.225277692	0.007905508	131.6645966	0.022330731	0.01195321	0.000107464	0.004103179	0.001430143	1.540774703	4.58313E-06	0.006441833	0.002291023	0.00327011	0.009302764
2037 Dec	0.015718907	4.02778E-05	25.68894005	28.10919189	0.225450307	0.007917282	131.8627777	0.022347208	0.011997237	0.00010767	0.004105395	0.001430538	1.542117715	4.58929E-06	0.006445688	0.002295696	0.003274839	0.00930709
2038 Jan	0.015721209	4.02694E-05	25.68623352	28.10710907	0.225471094	0.007921793	131.93927	0.022348851	0.012021402	0.000107762	0.004105159	0.001430207	1.54236722	4.59146E-06	0.006445568	0.002297837	0.003276611	0.009306097
2038 Feb	0.015722515	4.02653E-05	25.68502045	28.1062355	0.225483492	0.007924185	131.9798279	0.022349864	0.012033992	0.00010781	0.004105067	0.001430046	1.542507648	4.59262E-06	0.006445553	0.002298961	0.003277552	0.00930565
2038 Mar	0.015727095	4.0273E-05	25.69067574	28.11267662	0.225545749	0.007927439	132.0344238	0.022355916	0.012043823	0.000107863	0.004106028	0.00143031	1.542963743	4.59438E-06	0.006447131	0.00230014	0.003278872	0.009307696
2038 Apr	0.01578177	4.04107E-05	25.77894783	28.20940781	0.226327866	0.007955538	132.5026245	0.022433372	0.012089298	0.000108251	0.004120167	0.001435195	1.548331738	4.6106E-06	0.006469373	0.002308427	0.003290479	0.009339674
2038 May	0.016123319	4.04967E-05	25.9804287	28.47842789	0.230552971	0.008312355	137.0018311	0.022829121	0.013585405	0.000114783	0.004163257	0.001436471	1.583152056	4.79315E-06	0.006550778	0.002457801	0.003432913	0.00941197
2038 Jun	0.015830409	3.91517E-05	25.23305893	27.69721985	0.225844473	0.008304003	129.7783051	0.02234504	0.014292379	0.000115935	0.004052022	0.001387362	1.555404305	4.77002E-06	0.00638649	0.00248996	0.003425575	0.00914067
2038 Jul	0.016197719	4.0142E-05	25.85555458	28.37534142	0.231154606	0.008477503	132.2419434	0.02287283	0.014495796	0.00011819	0.004150826	0.001422646	1.591357827	4.8721E-06	0.006540761	0.00253741	0.003497661	0.009366244
2038 Aug	0.016342975	4.13246E-05	26.45920563	28.98600769	0.233929664	0.008360931	129.5306091	0.023171572	0.013338139	0.00011488	0.004236114	0.001466472	1.604261041	4.82946E-06	0.006660548	0.002456467	0.003454738	0.009585666
2038 Sep	0.016216697	4.16694E-05	26.55491066	29.04960632	0.232688963	0.00814084	125.3523254	0.023068113	0.012195525	0.000110464	0.004242185	0.001480223	1.590760946	4.72244E-06	0.006658435	0.002353768	0.003368067	0.009620934

Appendix D.2-27: TIRI01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2038 Oct	0.016129931	4.15624E-05	26.46523857	28.94438934	0.23154296	0.008070135	124.0184021	0.022957886	0.011948766	0.000109257	0.004226263	0.001476683	1.58205688	4.68501E-06	0.006631427	0.002326557	0.003339575	0.009588548
2038 Nov	0.016136637	4.15775E-05	26.47526741	28.95549202	0.231637374	0.008073995	124.0693665	0.022967184	0.011957106	0.000109313	0.004227894	0.001477216	1.582718134	4.68718E-06	0.006634024	0.002327796	0.003341158	0.009592179
2038 Dec	0.016138079	4.15769E-05	26.47568893	28.9562149	0.231654406	0.008075724	124.098999	0.022968747	0.011964915	0.000109346	0.00422802	0.001477185	1.582866788	4.68805E-06	0.006634297	0.002328547	0.003341845	0.009592329
2039 Jan	0.016138388	4.15759E-05	26.47536659	28.95597649	0.231657267	0.008076306	124.1092453	0.022968978	0.011968007	0.000109358	0.004227994	0.001477144	1.582900047	4.68833E-06	0.006634287	0.002328822	0.003342075	0.009592211
2039 Feb	0.016138531	4.15753E-05	26.47517014	28.95582008	0.231658503	0.0080766	124.1144104	0.022969073	0.011969593	0.000109364	0.004227976	0.001477121	1.582915545	4.68847E-06	0.006634275	0.002328962	0.003342189	0.009592138
2039 Mar	0.016141633	4.15828E-05	26.48002625	28.96116257	0.231702596	0.008078272	124.1404953	0.022973429	0.011972703	0.000109388	0.004228758	0.001477386	1.58322072	4.68943E-06	0.006635512	0.002329475	0.003342879	0.009593897
2039 Apr	0.016153164	4.16122E-05	26.49881363	28.98172569	0.23186788	0.008084113	124.2304535	0.02298981	0.011981717	0.000109467	0.004231763	0.00147843	1.584352255	4.69281E-06	0.006640231	0.002331176	0.003345293	0.009600704
2039 May	0.016207734	4.17698E-05	26.59604836	29.0870266	0.232665762	0.008107426	124.5137177	0.023069417	0.011995468	0.000109746	0.004247056	0.00148407	1.589676261	4.70687E-06	0.006663932	0.002336899	0.003355053	0.009635949
2039 Jun	0.016044468	4.04804E-05	25.93553162	28.41787338	0.229580611	0.008229139	124.2497025	0.022738164	0.013234394	0.000113256	0.004153518	0.001436312	1.575107217	4.75063E-06	0.00653225	0.002422863	0.003399706	0.009395869
2039 Jul	0.01579828	4.02609E-05	25.7191143	28.155756	0.226400733	0.008008828	118.0264282	0.022434982	0.012402583	0.000109384	0.004113256	0.001429443	1.550270796	4.63558E-06	0.006461868	0.002335053	0.003311266	0.009317826
2039 Aug	0.015796393	4.03337E-05	25.75108719	28.18597031	0.226439878	0.007989718	116.8582458	0.02244113	0.012279725	0.000108959	0.004117295	0.001432201	1.549956799	4.62688E-06	0.006466859	0.002324999	0.003303868	0.009329479
2039 Sep	0.015835539	4.05607E-05	25.8723259	28.31083488	0.227109477	0.007979769	116.3496475	0.022511201	0.012111271	0.000108554	0.004134922	0.001440549	1.553586483	4.62502E-06	0.006492326	0.002314744	0.003300581	0.009373516
2039 Oct	0.015817504	4.05744E-05	25.86995506	28.30455208	0.226901993	0.007956646	115.7908249	0.022492388	0.012003642	0.000108112	0.004133715	0.001441172	1.55171752	4.61346E-06	0.006489388	0.002304551	0.003291408	0.009372711
2039 Nov	0.015825558	4.05918E-05	25.88166428	28.31756401	0.227014765	0.007961457	115.8636932	0.022503473	0.012014824	0.000108184	0.004135631	0.001441784	1.552513003	4.61615E-06	0.006492451	0.002306133	0.003293377	0.009376951
2039 Dec	0.015827067	4.05948E-05	25.88371468	28.31986427	0.227035612	0.007962428	115.8788528	0.022505512	0.012017398	0.000108199	0.004135972	0.001441887	1.552662373	4.61668E-06	0.006493001	0.002306468	0.003293773	0.009377693
2040 Jan	0.015827121	4.05944E-05	25.88357925	28.31974411	0.227035969	0.007962572	115.8815002	0.022505531	0.012018222	0.000108203	0.004135957	0.001441873	1.552668691	4.61675E-06	0.006492987	0.002306539	0.00329383	0.009377643
2040 Feb	0.015827246	4.05945E-05	25.88366699	28.31985664	0.227037534	0.007962697	115.883606	0.022505682	0.012018727	0.000108205	0.004135974	0.001441874	1.552681327	4.61681E-06	0.006493018	0.00230659	0.003293879	0.009377674
2040 Mar	0.015829584	4.06004E-05	25.88742638	28.32397842	0.227070957	0.007963907	115.9013596	0.02250899	0.012020724	0.000108222	0.004136576	0.001442082	1.552910924	4.61751E-06	0.006493967	0.002306949	0.003294379	0.009379036
2040 Apr	0.01583763	4.06209E-05	25.90054703	28.33833885	0.227186292	0.007967972	115.9606171	0.022520421	0.012026957	0.000108277	0.004138675	0.001442812	1.553700328	4.61987E-06	0.006497262	0.002308131	0.00329606	0.00938379
2040 May	0.015882514	4.06741E-05	25.94596863	28.3918438	0.227777332	0.008005052	116.4834671	0.0225772	0.012157967	0.000108913	0.004146786	0.001444563	1.558206797	4.63946E-06	0.006511075	0.002322478	0.003310993	0.009400192
2040 Jun	0.015810907	4.0001E-05	25.60765266	28.05177498	0.226332366	0.008083618	116.34935	0.022419671	0.012869728	0.000111023	0.004099477	0.001419554	1.551995516	4.66994E-06	0.006445325	0.002373741	0.003340292	0.009277184
2040 Jul	0.015866166	4.03143E-05	25.77554703	28.22492599	0.227271453	0.00807126	115.2746582	0.022517769	0.012643193	0.00011049	0.004123939	0.001431066	1.55713141	4.66805E-06	0.006480742	0.002360172	0.003336302	0.009338165
2040 Aug	0.015933136	4.06344E-05	25.9521122	28.40898895	0.228358731	0.008070222	114.6391983	0.022629879	0.012461849	0.00011016	0.004150107	0.00144277	1.563454628	4.67202E-06	0.00651924	0.002351232	0.003336843	0.009402266
2040 Sep	0.015937403	4.07667E-05	26.01393127	28.46916771	0.228523493	0.008043958	113.6925125	0.022649758	0.012275141	0.000109544	0.004158312	0.001447741	1.56367135	4.66053E-06	0.006530008	0.002336557	0.003326772	0.009424771
2040 Oct	0.015944401	4.0787E-05	26.02647209	28.4827404	0.228625953	0.008046911	113.5977707	0.022659983	0.012276661	0.000109579	0.004160282	0.00144847	1.564353943	4.66232E-06	0.006533059	0.002337271	0.003328009	0.009429317
2040 Nov	0.015950838	4.08015E-05	26.03607941	28.49337578	0.228716552	0.008050627	113.6417999	0.022668906	0.01228474	0.000109634	0.004161845	0.00144898	1.564988852	4.66441E-06	0.006535548	0.002338466	0.003329533	0.009432796
2040 Dec	0.015951557	4.08026E-05	26.03692818	28.49434853	0.228726253	0.008051157	113.6502228	0.022669844	0.012286415	0.000109643	0.004161991	0.001449018	1.565060496	4.66469E-06	0.006535789	0.002338662	0.003329748	0.009433103
2041 Jan	0.015951766	4.08028E-05	26.03709412	28.49455452	0.22872892	0.008051354	113.6535416	0.0226701	0.012287191	0.000109646	0.004162022	0.001449022	1.565081716	4.6648E-06	0.006535846	0.002338742	0.003329827	0.009433161
2041 Feb	0.015951965	4.08031E-05	26.037323	28.49481773	0.228731573	0.008051502	113.6558838	0.022670357	0.012287661	0.000109649	0.004162062	0.001449032	1.565101385	4.66488E-06	0.006535912	0.002338797	0.003329887	0.009433245
2041 Mar	0.015953463	4.08068E-05	26.03971863	28.49744797	0.228752986	0.008052285	113.6670761	0.022672474	0.012288989	0.00010966	0.004162447	0.001449165	1.565248728	4.66533E-06	0.006536518	0.002339031	0.00333021	0.009434114
2041 Apr	0.015958315	4.08191E-05	26.04760933	28.50608635	0.2288225	0.008054749	113.7019424	0.022679362	0.012292826	0.000109693	0.004163709	0.001449603	1.56572485	4.66675E-06	0.006538501	0.00233975	0.003331228	0.009436972
2041 May	0.015981071	4.08786E-05	26.08531189	28.54727173	0.229149848	0.008065945	113.8167191	0.022711843	0.012308426	0.000109843	0.004169718	0.001451717	1.567955613	4.67328E-06	0.006547917	0.002342931	0.003335867	0.009450632
2041 Jun	0.015942229	4.04309E-05	25.86447334	28.32704735	0.228295594	0.008127901	113.7828293	0.022616997	0.01282379	0.000111427	0.004139231	0.001435032	1.564723849	4.69848E-06	0.006506115	0.002381149	0.003359219	0.009370314
2041 Jul	0.015827268	4.02893E-05	25.74573517	28.18771172	0.22677733	0.008034182	110.3104706	0.02247097	0.012496592	0.000109827	0.004118144	0.001430347	1.553191185	4.64886E-06	0.006470343	0.002345075	0.003321453	0.00932743
2041 Aug	0.015912713	4.05777E-05	25.91679001	28.37060547	0.228062153	0.008060944	110.266655	0.022600358	0.012453006	0.000110043	0.004144521	0.001440748	1.561458349	4.66651E-06	0.006510546	0.002348793	0.003332977	0.009389465
2041 Sep	0.015928781	4.07133E-05	25.98571777	28.44021988	0.22837317	0.008046933	109.5646515	0.022633944	0.012317481	0.000109651	0.004154234	0.001445776	1.562877536	4.66129E-06	0.00652415	0.002339237	0.003327798	0.009414522
2041 Oct	0.015919114	4.07272E-05	25.98736572	28.43964577	0.228267461	0.008033023	109.0628891	0.022624591	0.012249667	0.00010938	0.004153964	0.001446355	1.561864853	4.65442E-06	0.006523054	0.002332958	0.003322297	0.009415152
2041 Nov	0.015925948	4.07419E-05	25.99727249	28.4506588	0.228363097	0.00803712	109.1087189	0.02263399	0.012259261	0.000109442	0.004155586	0.001446871	1.562540054	4.65671E-06	0.00652565	0.002334309	0.003323973	0.00941874
2042 Jan	0.015927227	4.07442E-05	25.99894142	28.45254135	0.22838065	0.008037984	109.1219025	0.022635702	0.012261702	0.000109455	0.004155865	0.001446952	1.562667131	4.65718E-06	0.006526105	0.002334614	0.003324324	0.009419343
2042 Feb	0.0159273	4.07442E-05	25.99898338	28.45259857	0.228381559	0.008038062	109.1232224	0.02263579	0.012262026	0.000109457	0.004155875	0.001446952	1.562674642	4.65722E-06	0.006526122	0.002334646	0.003324355	0.009419359
2042 Mar	0.015928198	4.07464E-05	26.00040436	28.45416069	0.22839433	0.008038536	109.1298065	0.022637052	0.012262861	0.000109463	0.004156103	0.00144703	1.562762618	4.65749E-06	0.006526482	0.002334789	0.003324551	0.009419873
2042 Apr	0.015937597	4.07704E-05	26.01572418	28.47092819	0.228529066	0.008043291	109.194458	0.022650406	0.012270181	0.000109528	0.004158553	0.001447882	1.56368506	4.66024E-06	0.00653033	0.002336174	0.003326518	0.009425424
2042 May	0.01597327	4.08537E-05	26.07033348	28.53118706	0.229033753	0.008063172	109.4304733	0.022700192	0.012310191	0.000109816	0.004167393	0.00145082	1.567198396	4.67152E-06	0.006544352	0.002342413	0.003334687	0.009445202
2042 Jun	0.015937332	4.06245E-05	25.94963074	28.407547	0.228401273	0.008077172	108.6605148	0.022633495	0.012497388	0.000110298	0.004149995	0.001442371	1.56390059	4.67541E-06	0.006519425	0.002354449	0.003339582	0.009401349
2042 Jul	0.015900956	4.05705E-05	25.907938	28.35950851	0.227913067	0.008049652	106.9109573	0.022586249	0.012408131	0.00010984	0.00414279	0.001440544	1.560266614	4.66067E-06	0.006507428	0.002344184	0.003328456	0.009386279
2042 Aug	0.015851794	4.05669E-05	25.88286591	28.32455254	0.227312341	0.007996257	104.8826675	0.022530276	0.012179174	0.000108854	0.004137096	0.001440689	1.555240154	4.63348E-06	0.006496357	0.002321587	0.003307169	0.009377304
2042 Sep	0.015835296	4.0567E-05	25.87508965	28.31343079	0.227111951	0.007978009	103.9966354	0.022511654	0.01210014	0.000108515	0.004135267	0.001440791	1.553550959	4.62421E-06	0.006492746	0.002313827	0.003299899	0.009374524
2042 Oct	0.01581773	4.0553E-05	25.86036301	28.29541206	0.226886421	0.00796192	103.4284363	0.022490202	0.012038311	0.000108231	0.004132487	0.001440361	1.55177629	4.61584E-06	0.006487842	0.002307362	0.003293446	0.009369216
2042 Nov	0.015823225	4.05658E-05	25.86877632	28.30469513	0.226964161	0.007964981	103.4653854	0.02249787	0.012044466	0.000108275	0.004133848	0.001440813	1.552317381	4.61757E-06	0.006490002	0.002308323	0.003294704	0.009372264
2042 Dec	0.01582383	4.0567E-05	25.86959267	28.30561256	0.226972491	0.007965373	103.4711761	0.022498686	0.012045515	0.000108281	0.004133984	0.001440854	1.552377224	4.61779E-06	0.006490222	0.002308458	0.003294863	0.009372558
2043 Jan	0.015823917	4.0567E-05	25.86964798	28.30568314	0.226973593	0.007965466	103.4727707	0.022498788	0.012045906	0.000108283	0.004133996	0.001440855	1.552386403	4.61784E-06	0.006490243	0.002308497	0.003294901	0.009372578
2043 Feb	0.015823971	4.0567E-05	25.86968613	28.30573273	0.226974279	0.007965518	103.4736404	0.022498852	0.012046115	0.000108284	0.004134004	0.001440855	1.552391768	4.61786E-06	0.006490258	0.002308519	0.003294921	0.009372592
2043 Mar	0.015824324	4.05679E-05	25.87023544	28.30633926	0.226979271	0.007965709	103.4762344	0.022499347	0.012046474	0.000108286	0.004134092	0.001440885	1.552426457	4.61797E-06	0.006490397	0.002308577	0.003295	0.009372791
2043 Apr	0.015831849	4.05871E-05	25.88252258	28.31978607	0.227087185	0.007969504	103.5256042	0.022510042	0.012052254	0.000108338	0.004136056	0.001441569	1.55316484	4.62017E-06	0.006493482	0.002309679	0.00329657	0.009377243
2043 May	0.015863322	4.06527E-05	25.9271698	28.36956024	0.227525756	0.007988872	103.7500687	0.022553077	0.012099781	0.000108634	0.004143398	0.001443866	1.556277394	4.63094E-06	0.006505271	0.002316169	0.003304483	0.009393405
2043 Jun	0.015834503	4.03837E-05	25.79183197	28.23348618	0.226945788	0.008020069	103.3603897	0.022489885	0.012383406	0.000109473	0.004124464	0.001433869	1.553774834	4.64301E-06	0.006478945	0.002336572	0.003316111	0.009344199
2043 Jul	0.015887368	4.05654E-05	25.89914703	28.34806442	0.227743536	0.00803586	102.9299545	0.022570312	0.012351307	0.00010959	0.004140976	0.001440429	1.558884263	4.65359E-06	0.006504062	0.002338459	0.003322945	0.009383121
2043 Aug	0.015935408	4.07514E-05	26.00610352	28.46122551	0.22848627	0.008045319	102.4859695	0.02264577	0.01228944	0.000109584	0.0041572	0.001447178	1.563492537	4.66101E-06	0.006528439	0.00233754	0.003327269	0.009421927
2043 Sep	0.015932368	4.08072E-05	26.02984619	28.48329544	0.228496879	0.008028915	101.7063675	0.022648679	0.012187683	0.000109226	0.004160117	0.0014493	1.563088655	4.65345E-06	0.006531913	0.002329088	0.003320899	0.009430585
2043 Oct	0.015925471	4.07721E-05	26.01069069	28.46340752	0.228383064	0.008029526	101.5158157	0.022636889	0.012209726	0.000109271	0.004157297	0.001448014	1.562440991	4.65327E-06	0.006527788	0.002330279	0.003321037	0.009423629
2043 Nov	0.0159203	4.0719E-05	25.98426819	28.43694305	0.228274971	0.008036233	101.5625305	0.022625012	0.012268032	0.000109447	0.004153623	0.001446042	1.562000036	4.65594E-06	0.006522713	0.002334538	0.003323552	0.009414021
2043 Dec	0.015920883	4.07198E-05	25.98487854	28.4376564	0.22828269	0.008036704	101.5699997	0.022625754	0.012269661	0.000109455	0.004153731	0.001446066	1.56205833	4.65619E-06	0.006522896	0.002334718	0.003323741	0.009414242
2044 Jan	0.015922114	4.07199E-05	25.98499489	28.4378109	0.228284836	0.008036809	101.5717468	0.022625908	0.012270093	0.00010946	0.004153751	0.00144607	1.562071323	4.65625E-06	0.00652293	0.002334766	0.003323788	0.00941428
2044 Feb	0.015924197	4.07214E-05	25.98591423	28.43883324	0.228293598	0.00803709	101.5753326	0.022626707	0.012270576	0.000109468	0.004153897	0.001446121	1.562126875	4.65642E-06	0.006523158	0.002334856	0.00332391	0.009414607
2044 Mar	0.01592627	4.07246E-05	25.98795128	28.44107246	0.228311896	0.008037719	101.5833054	0.022628481	0.012271565	0.000109478	0.004154222	0.001446234	1.56224966	4.65678E-06	0.006523668	0.002335043	0.003324173	0.009415343
2044 Apr	0.015929874	4.07326E-05	25.99308777	28.44670105	0.228357226	0.008039307	101.6033783	0.022632955	0.012274006	0.000109501	0.004155043	0.00144652	1.562558532	4.65771E-06	0.006524956	0.002335506	0.003324832	0.009417203
2044 May	0.015966186	4.07899E-05	26.02894211	28.48595238	0.228671193	0.008049528	101.7185898	0.022663543	0.012287631	0.000109697	0.004160736	0.001448544	1.564652801	4.66382E-06	0.00653384	0.002338427	0.003329186	0.009430146
2044 Jun	0.016850913	4.04899E-05	25.7238903	28.13928604	0.225263029	0.007836225	97.05292511	0.022312677	0.011683006	0.000108877	0.004108229	0.00143548	1.53739357	4.57014E-06	0.006442718	0.00226483	0.003264047	0.009315697
2044 Jul	0.01705046	4.06094E-05	25.75916862	28.16976166	0.225151479	0.007794364	95.63349915	0.022304878	0.011473699	0.000108241	0.004112154	0.001439193	1.535465121	4.55541E-06	0.006445651	0.002245693	0.003253032	0.00932777
2044 Aug	0.017157206	4.08438E-05	25.89812088	28.31924057	0.226233914	0.007820839	95.68512726	0.02241352	0.011464301	0.000108516	0.004133686	0.00144748	1.542543054	4.5729E-06	0.006478708	0.002250777	0.00326467	0.009377979

Appendix D.2-27: TIRI01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2044 Sep	0.017245637	4.08186E-05	25.84320068	28.25096893	0.225285783	0.00774953	93.84107208	0.022324681	0.011197587	0.000107165	0.004122448	0.001446241	1.535020471	4.53973E-06	0.00645873	0.002221237	0.003237644	0.009357324
2044 Oct	0.017327761	4.07927E-05	25.80892944	28.21059418	0.224796534	0.007717228	93.05104065	0.022278307	0.01109099	0.000106577	0.004115907	0.001445046	1.531266093	4.52493E-06	0.006447562	0.002208368	0.003225593	0.009344424
2044 Nov	0.017351493	4.07927E-05	25.80605888	28.20719337	0.224748924	0.007713797	92.96192169	0.022273848	0.011080457	0.000106514	0.0041153	0.001444967	1.530893326	4.52365E-06	0.00644651	0.002206962	0.003224453	0.009343269
2044 Dec	0.0173526	4.07935E-05	25.80652809	28.20771217	0.224753007	0.007713939	92.96361542	0.022274252	0.011080752	0.000106516	0.004115373	0.001444993	1.53092134	4.52374E-06	0.006446625	0.002207003	0.00322452	0.009343436
2045 Jan	0.01735347	4.07934E-05	25.80642319	28.20760536	0.224752396	0.007713906	92.96323395	0.022274163	0.011080761	0.000106517	0.004115355	0.001444987	1.53091526	4.52373E-06	0.006446597	0.002206998	0.003224511	0.009343394
2045 Feb	0.017354356	4.07933E-05	25.80638504	28.20757484	0.224752486	0.007713893	92.96309662	0.022274127	0.011080774	0.000106519	0.004115349	0.001444985	1.530913234	4.52373E-06	0.006446586	0.002206999	0.003224509	0.009343377
2045 Mar	0.017355762	4.07955E-05	25.80773735	28.20905876	0.224764496	0.007714297	92.9679718	0.022275295	0.011081371	0.000106526	0.004115564	0.00144506	1.530993581	4.52397E-06	0.006446923	0.002207117	0.00322468	0.009343864
2045 Apr	0.017359359	4.08033E-05	25.81266594	28.21444893	0.22480756	0.007715769	92.9857254	0.022279548	0.011083497	0.000106547	0.00411635	0.001445336	1.53128612	4.52483E-06	0.006448153	0.00220754	0.003225296	0.009345649
2045 May	0.017381018	4.08539E-05	25.84467888	28.24944305	0.225086421	0.007725339	93.1010437	0.02230718	0.011097249	0.00010668	0.004121455	0.001447129	1.533185244	4.53045E-06	0.00645615	0.002210278	0.003229297	0.009357239
2045 Jun	0.017736807	4.06813E-05	25.67224693	28.05265617	0.223147169	0.007614958	90.61099243	0.022116743	0.01080287	0.00010545	0.004092449	0.001439387	1.518475413	4.48324E-06	0.006405982	0.002172499	0.003197701	0.009292979
2045 Jul	0.017992666	4.07158E-05	25.65060043	28.02204704	0.2225945	0.007561394	89.03036499	0.022064207	0.010604486	0.000104808	0.004087602	0.001439721	1.5133591528	4.46326E-06	0.006395093	0.002151399	0.003183882	0.009284095
2045 Aug	0.018056888	4.08785E-05	25.74176788	28.11835098	0.223212868	0.00756802	88.69089508	0.022127405	0.010547388	0.000104765	0.004101289	0.001445521	1.517404079	4.46949E-06	0.006415638	0.002149847	0.003187154	0.009317036
2045 Sep	0.018086556	4.09221E-05	25.7520504	28.12516022	0.223058477	0.007542721	87.80454254	0.022114825	0.010421587	0.000104204	0.004101689	0.00144705	1.515811324	4.45816E-06	0.006415079	0.002137822	0.003177332	0.009320559
2045 Oct	0.018109726	4.09447E-05	25.76391029	28.13730812	0.223112434	0.007540568	87.66077423	0.022120727	0.010401654	0.000104133	0.004103317	0.001447903	1.516071081	4.45774E-06	0.006417396	0.002136255	0.003176655	0.009324778
2045 Nov	0.018113993	4.09549E-05	25.76880836	28.14266205	0.223154858	0.007542003	87.67745209	0.022124931	0.01040373	0.000104153	0.004104096	0.001448178	1.516359448	4.4586E-06	0.006418614	0.002136662	0.003177268	0.009326547
2045 Dec	0.018115131	4.09565E-05	25.76978874	28.14373589	0.223163337	0.007542291	87.6807785	0.022125773	0.010404178	0.000104157	0.004104251	0.001448233	1.516417027	4.45878E-06	0.006418857	0.002136743	0.003177393	0.009326899
2046 Jan	0.018115748	4.09567E-05	25.769907	28.1438694	0.223164529	0.007542326	87.68119049	0.022125874	0.010404257	0.000104159	0.004104269	0.00144824	1.516424179	4.45881E-06	0.006418885	0.002136755	0.00317741	0.00932694
2046 Feb	0.018116402	4.0957E-05	25.77010155	28.14408684	0.223166466	0.007542382	87.68185425	0.022126041	0.010404353	0.000104161	0.004104299	0.001448251	1.516435742	4.45884E-06	0.006418933	0.002136774	0.003177436	0.009327009
2046 Mar	0.018118327	4.09607E-05	25.77243996	28.14664459	0.223186836	0.007543065	87.68981171	0.022128047	0.010405306	0.000104171	0.004104672	0.001448382	1.51657331	4.45925E-06	0.006419515	0.002136969	0.003177725	0.009327854
2046 Apr	0.018125594	4.09768E-05	25.782547	28.15768623	0.223274454	0.007546024	87.72420502	0.022136727	0.010409393	0.000104212	0.004106281	0.00144895	1.517168283	4.461E-06	0.006422032	0.002137808	0.003178972	0.009331513
2046 May	0.018169485	4.10271E-05	25.81334877	28.19140434	0.223542616	0.007554015	87.79498291	0.022162436	0.010418145	0.000104417	0.004111139	0.001450715	1.518911123	4.46598E-06	0.006429557	0.002140038	0.003182519	0.009342588
2046 Jun	0.018657874	4.0757E-05	25.57286644	27.92130661	0.221048936	0.007419918	84.80966949	0.021911118	0.010090362	0.00010351	0.004071163	0.001439271	1.499966383	4.40712E-06	0.006361722	0.002096036	0.003143115	0.009253089
2046 Jul	0.018877259	4.06431E-05	25.44182205	27.76729965	0.219347969	0.007310135	81.90583038	0.021746846	0.009739693	0.000101997	0.004048059	0.001434264	1.486782551	4.35768E-06	0.006320953	0.00205533	0.003107658	0.009204458
2046 Aug	0.018948998	4.08054E-05	25.53366089	27.86480331	0.219993904	0.007319654	81.61233521	0.021812622	0.009696151	0.000102006	0.00406193	0.001440011	1.490841746	4.36548E-06	0.006341931	0.002054998	0.003112078	0.009237609
2046 Sep	0.01896329	4.07726E-05	25.49209785	27.81450653	0.219352037	0.007275321	80.33870697	0.02175243	0.009533616	0.00010111	0.004053777	0.001438755	1.485888243	4.3438E-06	0.006327951	0.002036712	0.003094229	0.009222209
2046 Oct	0.019014072	4.07248E-05	25.44909286	27.7655468	0.218838885	0.007246936	79.62992859	0.021703321	0.009451004	0.000100582	0.004046079	0.001436854	1.482117653	4.33005E-06	0.006315347	0.002025884	0.00308307	0.009206255
2046 Nov	0.019027524	4.07255E-05	25.44769859	27.7638073	0.218809754	0.007244624	79.55701447	0.021700647	0.009443072	0.000100534	0.004045747	0.001436837	1.481885672	4.32914E-06	0.006314761	0.002024894	0.003082238	0.009205682
2046 Dec	0.019028967	4.07274E-05	25.44880295	27.76501846	0.218819261	0.00724494	79.56047821	0.021701591	0.009443554	0.000100538	0.004045921	0.001436899	1.481950045	4.32934E-06	0.006315034	0.002024983	0.003082379	0.00920608
2047 Jan	0.019029751	4.07275E-05	25.44886971	27.76509857	0.21882008	0.007244959	79.56069183	0.021701647	0.009443622	0.00010054	0.004045931	0.001436903	1.481954098	4.32936E-06	0.006315049	0.002024991	0.003082391	0.009206101
2047 Feb	0.019030673	4.07279E-05	25.4491539	27.76541519	0.218822837	0.007245038	79.56158447	0.021701887	0.009443751	0.000100543	0.004045975	0.001436919	1.481970787	4.32941E-06	0.006315118	0.002025017	0.003082427	0.009206202
2047 Mar	0.019034598	4.07355E-05	25.45388222	27.77058029	0.218863696	0.007246384	79.57637024	0.021705922	0.00944552	0.000100563	0.004046727	0.001437186	1.48224628	4.33021E-06	0.006316291	0.002025395	0.003083001	0.009207912
2047 Apr	0.019039273	4.07451E-05	25.45983887	27.77708244	0.218915015	0.007248079	79.59500122	0.021711001	0.009447738	0.000100587	0.004047674	0.001437522	1.482593417	4.33123E-06	0.006317769	0.00202587	0.003083723	0.009210065
2047 May	0.019234575	4.07609E-05	25.46458244	27.78359222	0.219001442	0.00724481	79.45198059	0.021711832	0.009437673	0.000101357	0.004048174	0.001437945	1.482591271	4.33115E-06	0.006318121	0.002025314	0.0030838	0.009211153
2047 Jun	0.020249302	4.05361E-05	25.27662468	27.58185387	0.21742782	0.007136879	76.92841339	0.02151262	0.009175489	0.000104533	0.004015925	0.001429154	1.467911124	4.28192E-06	0.006263699	0.001993124	0.003049078	0.009139349
2047 Jul	0.020373726	4.07381E-05	25.39394951	27.70801544	0.218342304	0.007158729	76.86917877	0.02160426	0.009169559	0.00010481	0.00403421	0.001436161	1.473856091	4.2973E-06	0.006291525	0.001997555	0.003059908	0.009181649
2047 Aug	0.020443242	4.09246E-05	25.50366211	27.82554626	0.21917221	0.007177206	76.73442078	0.021688161	0.009149566	0.000104933	0.004051097	0.001442788	1.479252338	4.30976E-06	0.006317383	0.00200037	0.003067904	0.009221327
2047 Sep	0.020429825	4.09185E-05	25.48492622	27.80108452	0.218786746	0.007147507	75.75648499	0.021653593	0.009030094	0.000104197	0.00404697	0.001442549	1.476252317	4.29528E-06	0.006310042	0.001987475	0.00305572	0.009214387
2047 Oct	0.0204453	4.08765E-05	25.44883728	27.7598629	0.218354419	0.007124232	75.14785767	0.021612778	0.008961226	0.000103697	0.004040555	0.001440938	1.473125577	4.28367E-06	0.006299579	0.001978538	0.00304632	0.009201102
2047 Nov	0.020456778	4.08718E-05	25.44362068	27.75385857	0.218285948	0.007120249	75.03560638	0.021606389	0.008949392	0.000103609	0.004039582	0.001440724	1.472623825	4.28185E-06	0.006297978	0.001976957	0.003044788	0.00919914
2047 Dec	0.020458169	4.08734E-05	25.44460106	27.7549324	0.218294352	0.007120525	75.03850555	0.021607222	0.008949808	0.000103613	0.004039737	0.001440779	1.472680569	4.28203E-06	0.006298219	0.001977034	0.003044912	0.009199491
2048 Jan	0.020459186	4.08741E-05	25.44497871	27.75535202	0.218297839	0.007120631	75.03962708	0.021607542	0.008949983	0.000103616	0.004039796	0.001440801	1.472702742	4.2821E-06	0.006298312	0.001977066	0.003044961	0.009199625
2048 Feb	0.020460477	4.08753E-05	25.44571114	27.75616074	0.218304455	0.007120835	75.04179382	0.021608165	0.008950264	0.00010362	0.004039912	0.001440842	1.472745299	4.28223E-06	0.006298491	0.001977126	0.003045051	0.009199888
2048 Mar	0.020460948	4.08755E-05	25.44582558	27.75628853	0.218305618	0.007120866	75.04213715	0.021608263	0.008950318	0.000103622	0.00403993	0.001440849	1.472752094	4.28225E-06	0.006298519	0.001977137	0.003045065	0.009199928
2048 Apr	0.020469038	4.08896E-05	25.45460701	27.76586914	0.218380973	0.007123254	75.06541443	0.021615665	0.008953112	0.000103659	0.00404132	0.001441348	1.473255396	4.28369E-06	0.006300683	0.001977795	0.00304609	0.0092031
2048 May	0.02050012	4.09506E-05	25.4925518	27.80726433	0.218706563	0.007133843	75.17615509	0.021647867	0.008966334	0.000103815	0.004047343	0.001443497	1.475449681	4.29006E-06	0.006310071	0.001980734	0.00305062	0.009216817
2048 Jun	0.02335942	3.94113E-05	24.40333557	26.73950577	0.210138679	0.006790415	72.09632874	0.02071668	0.008819859	0.000113494	0.003875205	0.001384614	1.411299706	4.31392E-06	0.006024068	0.001894309	0.002977358	0.008795087
2048 Jul	0.051486269	2.56382E-05	14.86987877	17.65617752	0.139328793	0.004107188	60.15425491	0.012835901	0.009337649	0.000225013	0.002380382	0.000861831	0.877159595	4.94095E-06	0.003540792	0.001285058	0.002489093	0.005073738
2048 Aug	0.065053806	1.91517E-05	10.33891964	13.36402988	0.105781585	0.002851313	54.89569855	0.009126097	0.009652587	0.000277896	0.0016747	0.000613982	0.624194384	5.19544E-06	0.002363424	0.001005224	0.002270253	0.003312078
2048 Sep	0.070056796	1.67683E-05	8.65444088	11.77166653	0.093186863	0.00238634	52.70560074	0.007757335	0.009747708	0.000297013	0.001414436	0.000522317	0.529718518	5.24482E-06	0.001927132	0.000901696	0.002190454	0.002660124
2048 Oct	0.071328036	1.61473E-05	8.214008331	11.35560989	0.089844212	0.002264944	52.06906891	0.007400387	0.009763082	0.000301871	0.001346651	0.000498458	0.504854143	5.24689E-06	0.001813313	0.000874109	0.002168856	0.002489905
2048 Nov	0.071612574	1.60143E-05	8.119197845	11.26663876	0.089127108	0.002239073	51.94345093	0.007323852	0.009768382	0.000302957	0.001332081	0.000493328	0.499516129	5.24766E-06	0.0017888	0.000868268	0.002164439	0.002453192
2048 Dec	0.071614087	1.60146E-05	8.119357109	11.26686001	0.089128852	0.002239117	51.94446564	0.007323995	0.009768586	0.000302962	0.001332107	0.000493338	0.499525934	5.24777E-06	0.001788835	0.000868285	0.002164482	0.00245324
2049 Jan	0.071614467	1.60146E-05	8.119383812	11.26689816	0.089129195	0.002239125	51.9446373	0.00732402	0.009768627	0.000302964	0.001332111	0.000493339	0.499527603	5.24779E-06	0.001788841	0.000868288	0.00216449	0.002453248
2049 Feb	0.071614802	1.60147E-05	8.119405746	11.26693058	0.089129508	0.002239131	51.94477844	0.00732404	0.009768657	0.000302965	0.001332114	0.000493341	0.499529004	5.2478E-06	0.001788845	0.000868291	0.002164496	0.002453254
2049 Mar	0.071617454	1.60153E-05	8.119699478	11.26733875	0.089132756	0.002239211	51.94665146	0.007324304	0.009769012	0.000302976	0.001332162	0.000493358	0.499547124	5.24799E-06	0.00178891	0.000868323	0.002164575	0.002453343
2049 Apr	0.071630947	1.60183E-05	8.121224403	11.26945496	0.089149512	0.002239632	51.95640564	0.00732568	0.009770848	0.000303033	0.001332413	0.000493451	0.499640882	5.24897E-06	0.001789246	0.000868486	0.002164981	0.002453803
2049 May	0.071683668	1.60331E-05	8.129095078	11.27968025	0.089230262	0.002241684	51.99345398	0.007332561	0.009777802	0.000303256	0.001333685	0.000493924	0.500107646	5.25288E-06	0.001791027	0.000869215	0.002166694	0.002456315
2049 Jun	0.072732985	1.54455E-05	7.710870266	10.8726978	0.085926495	0.002123672	51.14336395	0.006988297	0.009757789	0.000306856	0.001269171	0.000471211	0.476032555	5.23234E-06	0.00168334	0.000841184	0.002142743	0.00229578
2049 Jul	0.074921161	1.43759E-05	6.936843872	10.12917709	0.079902731	0.001911531	49.91239929	0.006358907	0.00977571	0.000314268	0.001150645	0.000429152	0.431994498	5.20278E-06	0.001484065	0.000793293	0.002106686	0.001997855
2049 Aug	0.076556064	1.36848E-05	6.415392876	9.642808914	0.075893931	0.001772828	49.19671249	0.005947759	0.009813196	0.000319516	0.00107261	0.000401246	0.402520388	5.17504E-06	0.001350138	0.000763703	0.002088581	0.001799216
2049 Sep	0.077128544	1.34048E-05	6.202099323	9.442189217	0.074193373	0.001715803	48.7824173	0.005780975	0.009811056	0.00032119	0.001041075	0.000389955	0.390258998	5.14959E-06	0.001295809	0.000750921	0.002079682	0.001719201
2049 Oct	0.077431411	1.32422E-05	6.08013773	9.326668739	0.073202178	0.00168348	48.53407669	0.005685356	0.009807061	0.000322114	0.001023023	0.00038349	0.38320899	5.13199E-06	0.001264869	0.000743444	0.002074093	0.001673288
2049 Nov	0.077479236	1.32216E-05	6.064315319	9.312054634	0.073075339	0.001679313	48.50530624	0.005673057	0.009807436	0.000322268	0.001020694	0.000382659	0.382296532	5.13002E-06	0.001260831	0.000742504	0.002073527	0.001667273
2049 Dec	0.077480756	1.32219E-05	6.064430237	9.312232018	0.073076725	0.001679345	48.50622559	0.005673165	0.009807629	0.000322274	0.001020713	0.000382666	0.382303774	5.13012E-06	0.001260855	0.000742518	0.002073566	0.001667304
2050 Jan	0.077481225	1.3222E-05	6.064461708	9.312280655	0.07307712	0.001679354	48.50647354	0.005673194	0.009807683	0.000322275	0.001020719	0.000382668	0.382305801	5.13015E-06	0.001260862	0.000742522	0.002073577	0.001667312
2050 Feb	0.077481441	1.3222E-05	6.064473629	9.312299728	0.073077306	0.001679357	48.50656509	0.005673205	0.009807704	0.000322276	0.001020721	0.000382669	0.382306546	5.13016E-06	0.001260864	0.000742524	0.002073582	0.001667316
2050 Mar	0.077481888	1.32221E-05	6.064506531	9.312350273	0.073077708	0.001679366	48.50682449	0.005673236	0.009807758	0.000322278	0.001020726	0.000382671	0.382308632	5.13019E-06	0.001260871	0.000742528	0.002073593	0.001667325
2050 Apr	0.077490263	1.32235E-05	6.065159798	9.313354492	0.073085599	0.001679547	48.51205826	0.005673847	0.009808816	0.000322313	0.001020836	0.000382712	0.382349849	5.13074E-06	0.001261007	0.000742608	0.002073816	0.001667504
2050 May	0.077529564	1.32304E-05	6.068358898	9.318179131	0.073123723	0.001680421	48.53609848	0.005676813	0.009813712	0.000322476	0.001021372	0.000382913	0.382549822	5.1333E-06	0.001261677	0.000742991	0.002074865	0.001668399
2050 Jun	0.077836365	1.30569E-05	5.938171864	9.190114021	0.072034389	0.001645266	48.18676376	0.005572245	0.00979862	0.000323313	0.001001975	0.000375971	0.374860942	5.10612E-06	0.001228722	0.000734636	0.0020678	0.001619461
2050 Jul	0.078615747	1.26757E-05	5.646257401	8.907193184	0.06962657	0.00156839	47.53658676	0.005340659	0.00978528	0.000325425	0.000958825	0.000360417	0.357812673	5.05003E-06	0.001154752	0.000717258	0.002055141	0.001509536
2050 Aug	0.079435408	1.23822E-05	5.407166004	8.687838554	0.067732073	0.00150755	47.10234833	0.0051595	0.009794548	0.000327763	0.000924571	0.000347997	0.344030708	5.00373E-06	0.001094091	0.000704898	0.002048953	0.001420492
2050 Sep	0.079768226	1.22533E-05	5.300700665	8.592234612	0.066877738	0.001480725	46.87128448	0.005081069	0.009791326	0.000328718	0.000909703	0.0003426	0.337833762	4.97618E-06	0.001067308	0.000699317	0.00204566	0.001381731
2050 Oct	0.079835854	1.22372E-05	5.286304951	8.580613136	0.066767722	0.00147718	46.84837723	0.005070927	0.009792903	0.000328956	0.000907766	0.000341902	0.336998791	4.97295E-06	0.001063632	0.00069866	0.002045661	0.001376371
2050 Nov	0.079844683	1.22386E-05	5.286912918	8.58158493	0.066775277	0.001477349	46.85354233	0.005071507	0.009793987	0.000328992	0.00090787	0.000341941	0.337037295	4.9735E-06	0.001063755	0.000698738	0.002045888	0.001376532
2050 Dec	0.079845808	1.22388E-05	5.286985397	8.581703186	0.066776194	0.001477369	46.8541832	0.005071576	0.009794123	0.000328997	0.000907883	0.000341945	0.337041914	4.97356E-06	0.00106377	0.000698747	0.002045917	0.001376551

Appendix D.2-28: TIRI03

Constituents	**Total Dissolved Solids**	**Ammonia**	**Nitrate**	**Nitrite**	**Chloride**	**Fluoride**	**Sulphate**	**Total Cyanide**	**Weakly Acid Dissociable Cyanide**	**Silver**	**Aluminum**	**Arsenic**	**Boron**	**Barium**	**Beryllium**	**Calcium**	**Cadmium**	**Cobalt**	**Chromium**	**Copper**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.074	0.000046	0.000068	0.0000021	0.034	0.0000086	0.015	6.8E-08	6.8E-08	2.1E-09	6.6E-07	6.6E-07	2.6E-05	5.8E-06	1.1E-08	4.0E-03	4.0E-09	2.6E-07	1.4E-07	2.9E-07
Operations (2020-2043): Mean	1209	1.5	2.2	0.057	548	0.20	254	7.1E-04	7.1E-04	2.3E-05	1.3E-02	1.2E-02	4.6E-01	8.5E-02	1.2E-04	6.4E+01	8.8E-05	4.0E-03	1.7E-03	4.7E-03
Operations (2020-2043): Max	1465	2.6	4.0	0.10	750	0.25	287	1.0E-03	1.0E-03	3.2E-05	1.7E-02	1.4E-02	5.6E-01	1.0E-01	1.7E-04	7.4E+01	1.2E-04	4.8E-03	2.2E-03	5.3E-03
Active Closure (2044-2050): Min	86	0.083	0.11	0.0043	35	0.036	18	4.5E-04	4.5E-04	5.4E-06	3.6E-03	9.2E-04	2.8E-02	1.1E-02	7.9E-06	9.9E+00	1.1E-05	2.5E-04	1.4E-04	9.8E-04
Active Closure (2044-2050): Mean	228	0.27	0.35	0.012	104	0.057	47	9.0E-04	9.0E-04	6.7E-06	5.0E-03	2.3E-03	7.7E-02	1.9E-02	1.6E-05	1.6E+01	2.2E-05	6.6E-04	2.9E-04	1.4E-03
Active Closure (2044-2050): Max	1223	1.5	2.0	0.066	586	0.20	253	9.6E-04	9.6E-04	1.6E-05	1.4E-02	1.2E-02	4.1E-01	7.2E-02	7.9E-05	6.1E+01	9.6E-05	3.5E-03	1.3E-03	4.7E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2050)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0.074154817	4.59896E-05	6.78278E-05	2.06817E-06	0.033879906	8.64006E-06	0.014558835	6.80319E-08	6.80319E-08	2.05456E-09	6.6127E-07	6.63311E-07	2.57161E-05	5.83034E-06	1.0749E-08	0.004013884	3.98667E-09	2.58521E-07	1.36064E-07	2.93898E-07
2025 Feb	0.355796546	0.000220659	0.00032544	9.92313E-06	0.162556574	4.14552E-05	0.069853634	3.26419E-07	3.26419E-07	9.85785E-09	3.17279E-06	3.18258E-06	0.000123386	2.79741E-05	5.15742E-08	0.01925871	1.91281E-08	1.24039E-06	6.52838E-07	1.41013E-06
2025 Mar	0.679918647	0.000421674	0.000621907	1.89629E-05	0.310641706	7.92199E-05	0.133488625	6.23779E-07	6.23779E-07	1.88381E-08	6.06313E-06	6.08184E-06	0.000235788	5.34578E-05	9.8557E-08	0.036802936	3.65534E-08	2.37036E-06	1.24756E-06	2.69472E-06
2025 Apr	0.960114181	0.000595447	0.000878196	2.67775E-05	0.438657671	0.000111867	0.18849948	8.80839E-07	8.80839E-07	2.66013E-08	8.56175E-06	8.58818E-06	0.000332957	7.54879E-05	1.39173E-07	0.051969483	5.16171E-08	3.34719E-06	1.76168E-06	3.80522E-06
2025 May	1.641750932	0.00284397	0.0043287	8.66899E-05	0.723828495	0.000268696	0.331931651	1.08768E-06	1.08768E-06	3.3904E-08	1.69074E-05	1.57403E-05	0.00063728	0.000118889	1.77202E-07	0.085915476	1.08142E-07	5.5134E-06	2.42669E-06	6.13926E-06
2025 Jun	699.8686523	0.548103631	0.816759348	0.022074396	318.1163025	0.086380124	138.0055084	0.000615937	0.000615937	1.86673E-05	0.006382663	0.006326193	0.246950865	0.05438967	9.76522E-05	37.69851685	3.88678E-05	0.002426782	0.001247574	0.002750834
2025 Jul	1165.789795	1.136423111	1.706458211	0.041775286	526.6817017	0.153358787	231.0550385	0.000974766	0.000974766	2.96771E-05	0.010909224	0.010666803	0.419666678	0.089351043	0.000155224	62.43442154	6.71758E-05	0.00401664	0.002006442	0.004537166
2025 Aug	1262.890503	1.675609946	2.536901236	0.055213328	564.1572876	0.184979647	252.6388702	0.000954059	0.000954059	2.93288E-05	0.01236988	0.011812098	0.471162677	0.094311714	0.000153356	66.9164505	7.76109E-05	0.00430003	0.002030958	0.004825599
2025 Sep	1362.443115	2.517002106	3.835164785	0.075455755	598.4290771	0.229634687	276.2861633	0.000866676	0.000866676	2.71408E-05	0.014225781	0.013153057	0.534697652	0.097786643	0.000141833	71.04538727	9.14516E-05	0.004557361	0.001963515	0.005063227
2025 Oct	1348.087402	2.557317495	3.898243189	0.076157987	591.1624756	0.23004882	273.7266846	0.000842224	0.000842224	2.64308E-05	0.014158884	0.013053084	0.531550705	0.096383192	0.000138114	70.18881226	9.12157E-05	0.00450165	0.001921386	0.004996425
2025 Nov	1349.688354	2.598490953	3.961922646	0.077102773	591.3161621	0.231938958	274.2523804	0.000834482	0.000834482	2.62203E-05	0.014223057	0.01309062	0.533601105	0.096284769	0.000137009	70.21055603	9.17393E-05	0.004502606	0.001911434	0.004994683

Appendix D.2-28: TIRI03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 Dec	1349.626709	2.596597195	3.958993673	0.077059485	591.3146362	0.231853083	274.2304993	0.000834851	0.000834851	2.62303E-05	0.014220201	0.013088996	0.533510625	0.096290268	0.000137061	70.21020508	9.17158E-05	0.004502605	0.001911916	0.004994811
2026 Jan	1349.391968	2.594688654	3.956048727	0.077013433	591.2327271	0.231750995	274.1751404	0.00083504	0.00083504	2.6235E-05	0.014215919	0.013085878	0.533363581	0.096281663	0.000137086	70.2003479	9.16839E-05	0.004501989	0.001912051	0.004994236
2026 Feb	1349.130493	2.592653275	3.952909231	0.076964177	591.1401978	0.231641114	274.1139526	0.000835229	0.000835229	2.62396E-05	0.014211262	0.013082457	0.533203244	0.096271567	0.000137111	70.18922424	9.16495E-05	0.004501293	0.001912172	0.004993577
2026 Mar	1349.552246	2.593551636	3.954281569	0.076989971	591.3158569	0.231730282	274.2079163	0.000835452	0.000835452	2.62469E-05	0.014216382	0.013087025	0.533392966	0.096302643	0.000137148	70.21252441	9.16833E-05	0.004502784	0.001912735	0.004995212
2026 Apr	1351.667725	2.599140644	3.962840796	0.07714428	592.2038574	0.232186392	274.6626587	0.000836374	0.000836374	2.62774E-05	0.014241792	0.013109347	0.53432858	0.096448302	0.000137308	70.32336426	9.18526E-05	0.004509871	0.001915231	0.005002935
2026 May	1358.141968	2.609568596	3.978732109	0.077456325	594.6641846	0.23388654	276.3709717	0.000839921	0.000839921	2.63947E-05	0.014336909	0.013193087	0.537833869	0.096998051	0.000137919	70.7407608	9.24855E-05	0.004536561	0.001924731	0.005032046
2026 Jun	1158.295532	1.17543602	1.767305613	0.042514164	521.6245117	0.156007364	230.8135223	0.000955596	0.000955596	2.91392E-05	0.010969537	0.010679829	0.421224505	0.08870773	0.000152404	62.14986801	6.77812E-05	0.003997528	0.001977885	0.004510432
2026 Jul	1204.437134	1.195603728	1.796534538	0.043579269	541.7452393	0.162823305	240.9044647	0.000997403	0.000997403	3.0414E-05	0.011448999	0.011146702	0.439636827	0.092586838	0.000159071	64.86735535	7.07434E-05	0.004172321	0.002064399	0.00470766
2026 Aug	1288.423828	1.882044196	2.855961561	0.060016055	567.1170654	0.205948114	264.5888367	0.000920225	0.000920225	2.85114E-05	0.013266955	0.01247599	0.502134025	0.096380524	0.000149045	69.12770081	8.42209E-05	0.004438553	0.002011925	0.00495819
2026 Sep	1358.204224	2.440778255	3.718204498	0.07342159	588.65625	0.24080129	283.9153748	0.000859424	0.000859424	2.70196E-05	0.014741813	0.013557795	0.552892506	0.099542126	0.000141183	72.63045502	9.51376E-05	0.004657587	0.001972279	0.005165261
2026 Oct	1306.156372	2.249683142	3.424604893	0.068437748	568.0125732	0.226587474	272.0135193	0.000850017	0.000850017	2.66301E-05	0.014018654	0.012953988	0.526787043	0.096175745	0.000139163	69.90734863	9.01586E-05	0.004484208	0.001928403	0.004980981
2026 Nov	1306.758301	2.235714197	3.402940035	0.068135642	568.5738525	0.22591655	271.9766235	0.000854038	0.000854038	2.6742E-05	0.014000406	0.012946721	0.526260555	0.09628804	0.00013975	69.94784546	8.99924E-05	0.004486999	0.001934172	0.004985318
2026 Dec	1306.112061	2.228751421	3.392184734	0.067971714	568.4096069	0.225502118	271.7787476	0.000855033	0.000855033	2.67677E-05	0.013983836	0.01293515	0.525699914	0.096266948	0.000139885	69.91648865	8.98668E-05	0.004485062	0.001935121	0.004983649
2027 Jan	1305.580811	2.224662304	3.385875702	0.067873307	568.2419434	0.225245923	271.6337891	0.000855455	0.000855455	2.6778E-05	0.013972907	0.012927081	0.525322855	0.096242204	0.000139939	69.88980103	8.97861E-05	0.004483391	0.001935368	0.004982055
2027 Feb	1305.306152	2.222569227	3.382646084	0.067822896	568.1549072	0.225114569	271.5590515	0.000855669	0.000855669	2.67831E-05	0.013967292	0.012922927	0.52512908	0.096229322	0.000139966	69.87599182	8.97448E-05	0.004482526	0.00193549	0.004981227
2027 Mar	1305.827637	2.22258234	3.382642269	0.06783054	568.399292	0.225159273	271.6580505	0.000856222	0.000856222	2.67996E-05	0.013971429	0.012927317	0.525293946	0.096271716	0.000140053	69.90438843	8.97685E-05	0.004484359	0.001936547	0.004983336
2027 Apr	1311.004639	2.230899811	3.395287991	0.068088472	570.6625977	0.226026401	272.7297363	0.000859736	0.000859736	2.69091E-05	0.014026007	0.012978132	0.527351141	0.09665563	0.000140625	70.18180084	9.01175E-05	0.004502161	0.001944386	0.00500316
2027 May	1346.892944	2.424534798	3.693738699	0.072847299	581.8882446	0.241971701	283.3699951	0.00084722	0.00084722	2.6673E-05	0.014755188	0.013545807	0.552991152	0.09903121	0.000139366	72.3634491	9.53477E-05	0.00463997	0.001953108	0.005142555
2027 Jun	1129.046143	0.938608885	1.402064085	0.036760818	510.1246338	0.145456702	225.1950684	0.000975975	0.000975975	2.96484E-05	0.010530095	0.010361734	0.406170994	0.087870531	0.000155085	61.16424179	6.45069E-05	0.003936074	0.001993353	0.00445351
2027 Jul	1169.206543	0.878492773	1.307106495	0.035989348	530.1338501	0.145803154	232.1965942	0.001033305	0.001033305	3.13237E-05	0.010750865	0.010647947	0.415831	0.091420077	0.000163859	63.39191818	6.55081E-05	0.004080621	0.002094664	0.004624668
2027 Aug	1242.936768	1.402040482	2.114966393	0.048576165	551.1652832	0.184262723	254.9393768	0.000978264	0.000978264	3.00291E-05	0.012421207	0.011898988	0.473746181	0.095640637	0.000157025	67.71325684	7.774E-05	0.004351934	0.002072071	0.00488834
2027 Sep	1294.597534	2.048438311	3.11421442	0.063556582	558.4986572	0.228684321	275.7106323	0.000867921	0.000867921	2.71694E-05	0.014184097	0.013121596	0.533248365	0.097675376	0.000141985	70.93424225	9.11476E-05	0.004550374	0.001963872	0.005056377
2027 Oct	1264.688354	1.949062824	2.961610556	0.060941093	546.9732666	0.220148742	268.4411621	0.000861232	0.000861232	2.69052E-05	0.01374613	0.012754057	0.517407298	0.095590658	0.000140613	69.25962067	8.81416E-05	0.004443702	0.001935698	0.004942678
2027 Nov	1248.308228	1.82592988	2.771565914	0.05799444	542.4807129	0.211179361	263.2713013	0.00087521	0.00087521	2.72405E-05	0.01336064	0.01246772	0.504080892	0.094675645	0.000142381	68.29499817	8.53065E-05	0.004383232	0.00194297	0.004884516
2027 Dec	1251.324951	1.847943306	2.805537462	0.058522493	543.3256836	0.212789774	264.2119446	0.000872806	0.000872806	2.71834E-05	0.013430229	0.012519633	0.50649029	0.094846353	0.00014208	68.47219849	8.58172E-05	0.004394349	0.00194185	0.004895268
2028 Jan	1250.871094	1.844639778	2.800439596	0.05844323	543.1983643	0.212548003	264.0705566	0.000873165	0.000873165	2.71919E-05	0.013419777	0.012511834	0.506128371	0.094820641	0.000142125	68.44554901	8.57405E-05	0.004392677	0.001942016	0.004893649
2028 Feb	1250.703735	1.843023419	2.797942877	0.058405228	543.1619263	0.212433979	264.0115662	0.0008734	0.0008734	2.71978E-05	0.01341508	0.012508464	0.505967915	0.094812475	0.000142156	68.43544769	8.57053E-05	0.004392048	0.001942208	0.004893077
2028 Mar	1250.716064	1.842302561	2.796825171	0.058389518	543.1868896	0.212389886	264.0014038	0.000873598	0.000873598	2.72032E-05	0.013413646	0.012507674	0.505922973	0.094815858	0.000142185	68.43561554	8.56934E-05	0.00439207	0.001942472	0.00489317
2028 Apr	1252.768677	1.844914675	2.800777435	0.058476273	544.0891724	0.212712735	264.4275513	0.000875138	0.000875138	2.72508E-05	0.013434787	0.012527691	0.506725371	0.094972812	0.000142433	68.54763794	8.58269E-05	0.004399266	0.001945795	0.004901224
2028 May	1263.302612	1.868796349	2.837304592	0.059149735	548.3535767	0.215172291	266.8842773	0.000880145	0.000880145	2.74167E-05	0.013571947	0.012648243	0.511776745	0.095760569	0.000143299	69.14676666	8.67405E-05	0.004437572	0.001959321	0.004942976
2028 Jun	1125.391113	0.919899583	1.373386979	0.036252037	507.4100037	0.146462739	225.6655273	0.000973477	0.000973477	2.95837E-05	0.010570022	0.010389426	0.407518655	0.087916642	0.000154745	61.23720551	6.48106E-05	0.00394057	0.001990902	0.004457317
2028 Jul	1164.961548	0.875512958	1.302799344	0.035828415	527.0424194	0.147216424	232.5123596	0.001026859	0.001026859	3.11471E-05	0.010796507	0.010672884	0.41726011	0.091306522	0.000162932	63.38326645	6.58894E-05	0.00407972	0.002086067	0.004621444
2028 Aug	1230.328979	1.082222939	1.620205998	0.041275822	551.2475586	0.167312622	249.4737854	0.001041299	0.001041299	3.17309E-05	0.011822999	0.011531995	0.454349488	0.096135296	0.000165962	67.276474	7.29466E-05	0.004327652	0.002150103	0.004885315
2028 Sep	1233.487549	1.347594023	2.031467676	0.047109146	543.7180786	0.187464461	256.6376648	0.000972023	0.000972023	2.98729E-05	0.012554359	0.011995248	0.47830537	0.095891237	0.000156202	68.0102005	7.87328E-05	0.004370444	0.002067278	0.004905447
2028 Oct	1212.385498	1.526036024	2.30909729	0.050697997	527.5523071	0.199391738	257.2532959	0.000900183	0.000900183	2.78737E-05	0.012877521	0.012122814	0.487610936	0.093874186	0.000145714	67.27728271	8.16823E-05	0.004319991	0.001964121	0.004827356
2028 Nov	1193.475952	1.398652315	2.112497091	0.047648024	522.8515625	0.188503578	250.6685181	0.000914522	0.000914522	2.82039E-05	0.012400214	0.011762724	0.471018255	0.092603818	0.000147459	66.00682068	7.82002E-05	0.004240125	0.001968334	0.004749079
2028 Dec	1193.367798	1.396051884	2.10847044	0.047589749	522.8884277	0.188300729	250.5843658	0.000915117	0.000915117	2.82196E-05	0.012392487	0.011757575	0.470760942	0.092600048	0.000147542	65.99555206	7.81404E-05	0.004239443	0.001968988	0.004748578
2029 Jan	1193.130737	1.394399524	2.105920076	0.047550306	522.8313599	0.188160077	250.500473	0.000915312	0.000915312	2.82242E-05	0.012386356	0.011752969	0.470548153	0.09258423	0.000147566	65.97950745	7.80956E-05	0.004238435	0.00196906	0.004747595
2029 Feb	1193.008423	1.393547416	2.104604721	0.047529966	522.8019409	0.188087538	250.4571686	0.000915413	0.000915413	2.82265E-05	0.012383194	0.011750594	0.470438361	0.092576072	0.000147578	65.97122955	7.80725E-05	0.004237915	0.001969096	0.004747088
2029 Mar	1193.099731	1.393267751	2.104166985	0.047525175	522.8551025	0.188072905	250.4667358	0.000915589	0.000915589	2.82315E-05	0.01238311	0.011750855	0.470440835	0.092583865	0.000147604	65.97545624	7.80702E-05	0.004238192	0.001969377	0.00474744
2029 Apr	1193.995239	1.394093752	2.105405569	0.047556054	523.2550049	0.188197583	250.6492767	0.000916336	0.000916336	2.82543E-05	0.012391817	0.011759311	0.470774859	0.092653766	0.000147724	66.02450562	7.81241E-05	0.004241347	0.001970929	0.004750997
2029 May	1208.952759	1.474555492	2.229521036	0.049503051	526.9060669	0.196546376	256.1083374	0.00090883	0.00090883	2.81029E-05	0.012770218	0.012052007	0.484049052	0.093839712	0.000146919	67.13071442	8.08479E-05	0.00431116	0.001973823	0.0048212
2029 Jun	1184.087524	1.332977533	2.011418581	0.045989066	517.5493774	0.187985376	250.3741913	0.000915367	0.000915367	2.82243E-05	0.012378073	0.011746358	0.470254213	0.092553206	0.000147567	65.95249176	7.8037E-05	0.004236723	0.00196882	0.004745828
2029 Jul	1142.182983	0.858567655	1.277723312	0.035092227	515.4193115	0.146531031	229.2754669	0.001003749	0.001003749	3.04673E-05	0.010681032	0.010536044	0.412420839	0.089768358	0.000159373	62.39439011	6.53002E-05	0.004015682	0.002044177	0.004546428
2029 Aug	1194.952759	1.217587113	1.832132101	0.043593429	525.5109253	0.182010815	250.6300812	0.000956153	0.000956153	2.93659E-05	0.012233275	0.011705283	0.466351539	0.093855098	0.000153554	66.50133514	7.66335E-05	0.004273792	0.00202892	0.004798957
2029 Sep	1214.009033	1.39562428	2.10739851	0.047705952	527.0805054	0.199166223	259.9680176	0.000924737	0.000924737	2.85881E-05	0.012953934	0.012230691	0.491100669	0.09532091	0.000149457	68.16911316	8.1984E-05	0.004377947	0.002006792	0.004896536
2029 Oct	1200.890137	1.440429091	2.177520514	0.048480619	518.8129883	0.202395633	259.1755676	0.000897126	0.000897126	2.78088E-05	0.013012402	0.012226432	0.492330641	0.094279237	0.00014537	67.66179657	8.26569E-05	0.004344234	0.001964536	0.004851575
2029 Nov	1217.00293	1.590095043	2.40891695	0.051939234	520.1806641	0.216817737	267.0386963	0.000870826	0.000870826	2.71582E-05	0.013618633	0.012668652	0.51315403	0.095518216	0.000141942	69.06804657	8.71566E-05	0.004432065	0.001946128	0.00493393
2029 Dec	1218.266235	1.599359751	2.423228741	0.052157197	520.3938599	0.217726663	267.572113	0.00086949	0.00086949	2.71266E-05	0.013657984	0.012698054	0.514517248	0.095615856	0.000141775	69.16885376	8.74451E-05	0.004438392	0.001945533	0.00494006
2030 Jan	1218.044312	1.597735167	2.420719147	0.052118968	520.3563232	0.21756725	267.4785156	0.000869724	0.000869724	2.71321E-05	0.013651081	0.012692896	0.514278054	0.095598698	0.000141805	69.15115356	8.73945E-05	0.004437281	0.001945637	0.004938983
2030 Feb	1218.015381	1.597008824	2.419593573	0.052102897	520.3734741	0.21750024	267.4490051	0.000869906	0.000869906	2.71369E-05	0.013648477	0.012691124	0.514190733	0.095596567	0.00014183	69.1468811	8.73745E-05	0.00443702	0.001945827	0.004938775
2030 Mar	1218.226807	1.596911311	2.419432402	0.05210387	520.4798584	0.217504352	267.4828186	0.000870167	0.000870167	2.71445E-05	0.013649605	0.012692528	0.514239132	0.095613234	0.00014187	69.15744019	8.73799E-05	0.004437705	0.001946293	0.004939582
2030 Apr	1219.317749	1.598127961	2.421267986	0.052145932	520.9551392	0.217679977	267.7151794	0.000871009	0.000871009	2.71705E-05	0.013661123	0.012703439	0.514676392	0.095698901	0.000142006	69.21856689	8.74526E-05	0.004441631	0.001948109	0.004943978
2030 May	1227.975098	1.611707091	2.441926003	0.05256303	524.5170898	0.219494313	269.7319946	0.000876444	0.000876444	2.73437E-05	0.013768493	0.012800641	0.518677711	0.096385688	0.00014291	69.72640228	8.81534E-05	0.004474165	0.001961142	0.004979857
2030 Jun	1111.925415	0.831441045	1.237103343	0.034060221	501.6882935	0.142696202	223.3179779	0.000977844	0.000977844	2.96806E-05	0.010402798	0.01026204	0.401685059	0.087441184	0.000155258	60.77527618	6.35969E-05	0.003911485	0.001991319	0.004428508
2030 Jul	1152.608032	1.001731753	1.499596953	0.038238097	511.3196411	0.165002525	238.9027252	0.000966289	0.000966289	2.9524E-05	0.011444049	0.011084483	0.438494384	0.091125987	0.000154406	64.05259705	7.10052E-05	0.004118899	0.002013974	0.004640888
2030 Aug	1216.17334	1.334016562	2.012320995	0.046229102	524.7483521	0.203772515	264.2661743	0.000931539	0.000931539	2.88238E-05	0.01320164	0.01244421	0.50015378	0.096639752	0.000150685	69.19364166	8.36554E-05	0.004443356	0.0020276	0.00496721
2030 Sep	1237.928101	1.408106923	2.126280546	0.048122503	531.4573975	0.21279642	271.2028198	0.000932241	0.000932241	2.89173E-05	0.013642	0.012802489	0.515894413	0.098456912	0.000151162	70.72296906	8.67352E-05	0.004540477	0.002046203	0.005068821
2030 Oct	1186.155762	1.272519469	1.918305278	0.044481397	513.3178101	0.19568637	256.4885559	0.000917622	0.000917622	2.83524E-05	0.012759767	0.012059986	0.483948946	0.094204508	0.000148227	67.32028961	8.06908E-05	0.004323674	0.001987602	0.004837375
2030 Nov	1175.545532	1.253344059	1.889050126	0.043918036	509.1412659	0.193101957	253.8517456	0.000911889	0.000911889	2.81643E-05	0.01261397	0.011931075	0.478566706	0.093348168	0.000147245	66.67292023	7.97236E-05	0.004282266	0.001972564	0.004792128
2030 Dec	1175.483521	1.252248645	1.887352824	0.043893863	509.16922	0.192981556	253.7930603	0.000912168	0.000912168	2.81714E-05	0.01260912	0.011927664	0.478402257	0.093341433	0.000147283	66.66342163	7.96869E-05	0.004281678	0.001972821	0.004791614
2031 Jan	1175.328369	1.251158834	1.885668874	0.043868445	509.1533367	0.192857116	253.7189484	0.000912341	0.000912341	2.81755E-05	0.012603699	0.011923594	0.478214115	0.093327492	0.000147304	66.6492691	7.96473E-05	0.004280789	0.001972886	0.004790747
2031 Feb	1175.246338	1.250594497	1.884796619	0.043855254	509.1412659	0.19279258	253.6802521	0.000912429	0.000912429	2.81775E-05	0.012600881	0.011921474	0.478116214	0.093320146	0.000147315	66.6418457	7.96267E-05	0.004280323	0.001972916	0.004790291
2031 Mar	1175.348633	1.250443459	1.884557366	0.043853555	509.1993713	0.192781553	253.6909027	0.000912591	0.000912591	2.81822E-05	0.012600922	0.01192181	0.478122711	0.093327805	0.000147339	66.64613342	7.96254E-05	0.004280604	0.001973179	0.004790642
2031 Apr	1177.908936	1.253437281	1.889082074	0.043954622	510.2880554	0.193240553	254.2614899	0.00091448	0.00091448	2.8241E-05	0.012629912	0.011948843	0.479216158	0.093532741	0.000147647	66.79405212	7.98106E-05	0.004290097	0.001977378	0.004801218
2031 May	1182.081909	1.254768133	1.891034603	0.044017639	511.3736877	0.195067808	255.908905	0.000916688	0.000916688	2.83202E-05	0.01272643	0.012031212	0.482729942	0.094026141	0.000148059	67.18191528	8.04661E-05	0.004314839	0.001984771	0.004827823
2031 Jun	1138.182373	0.85846144	1.277969241	0.03496391	511.2295227	0.150033966	230.8183594	0.000994239	0.000994239	3.02182E-05	0.01081717	0.01062861	0.416985184	0.089879699	0.000158063	62.61777878	6.6345E-05	0.004029343	0.002034226	0.004557319
2031 Jul	1198.353882	0.930550814	1.387073874	0.037351593	535.9089966	0.162360579	245.1145782	0.001036213	0.001036213	3.15425E-05	0.011564617	0.011313029	0.444968522	0.094852597	0.000164982	66.25927734	7.1184E-05	0.004262802	0.00213164	0.004815833
2031 Aug	1207.382446	1.199498057	1.804453015	0.043087013	522.4036255	0.197582573	262.0446777	0.00095264	0.00095264	2.93893E-05	0.012976356	0.012301066	0.492767125	0.096703865	0.000153655	68.96150208	8.18753E-05	0.004429773	0.002052727	0.004960505
2031 Sep	1215.591064	1.576929331	2.390378237	0.051077593	501.5101929	0.246380076	284.8050842	0.000830942	0.000830942	2.62338E-05	0.014911181	0.013641804	0.558054149	0.098909587	0.000137059	72.48143005	9.65961E-05	0.004646569	0.001933017	0.005143679
2031 Oct	1188.982788	1.494326472	2.263364553	0.048954569	493.6281433	0.234953299	275.9263	0.000829244	0.000829244	2.60918E-05	0.014350685	0.01318428	0.537994266	0.096559457	0.000136332	70.51426697	9.26838E-05	0.0045216	0.001908041	0.005012652
2031 Nov	1200.266357	1.589249134	2.41026783	0.051103838	493.0216675	0.24746947	283.0783691	0.000809211	0.000809211	2.56087E-05	0.014886731	0.013581332	0.556506872	0.097804204	0.000133784	71.8403244	9.66318E-05	0.004604684	0.001896966	0.005092271
2031 Dec	1200.073853	1.586564422	2.406106472	0.051044941	493.1017456	0.247120246	282.8965759	0.000809921	0.000809921	2.56265E-05	0.014872312	0.013570971	0.55601418	0.097778633	0.000133878	71.80903625	9.6524E-05	0.004602737	0.001897539	0.0050949
2032 Jan	1199.860107	1.584685087	2.403197527	0.051002532	493.1185303	0.246872827	282.7565308	0.000810329	0.000810329	2.56364E-05	0.014861756	0.013563178	0.555650055	0.097754724	0.00013393	71.78325653	9.64461E-05	0.004601123	0.001897778	0.00508895
2032 Feb	1199.739014	1.58366406	2.401617527	0.050979421	493.1251831	0.246738225	282.679657	0.000810544	0.000810544	2.56416E-05	0.014855992	0.013558908	0.555451035	0.097741358	0.000133957	71.76901245	9.64037E-05	0.00460023	0.001897898	0.005088094
2032 Mar	1199.866577	1.58336699	2.40114975	0.050975125	493.2080688	0.246705174	282.6835938	0.000810791	0.000810791	2.56486E-05	0.014855267	0.013558783	0.555432796	0.097749859	0.000133994	71.77285004	9.63962E-05	0.004600488	0.001898268	0.00508845
2032 Apr	1201.425415	1.585165501	2.403867722	0.051035956	493.8658447	0.246992737	283.0363159	0.000811934	0.000811934	2.56842E-05	0.014873287	0.013575527	0.556111455	0.097875811	0.00013418	71.86399841	9.65116E-05	0.004606336	0.001900828	0.005094959
2032 May	1210.113159	1.604377985	2.433320761	0.051557027	496.6068726	0.250301778	285.8388367	0.000814394	0.000814394	2.57828E-05	0.0150426	0.013717378	0.5622316	0.098675899	0.000134691	72.50816345	9.76749E-05	0.004647362	0.001911516	0.005138647
2032 Jun	1109.416748	0.882291079	1.316654682	0.034949079	492.6273804	0.156526089	230.2254181	0.00094724	0.00094724	2.88997E-05	0.010964981	0.010660504	0.420802504	0.088302322	0.000151148	61.9199791	6.78289E-05	0.003982479	0.001964215	0.004491766
2032 Jul	1131.110107	0.958757937	1.434597135	0.036802679	496.2058716	0.170743227	240.2146912	0.000940354	0.000940354	2.88138E-05	0.011630333	0.011186969	0.444338828	0.090679914	0.000150678	64.02690887	7.2558E-05	0.004115852	0.001979493	0.004628525

Appendix D.2-28: TIRI03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2032 Aug	1185.800171	1.305665374	1.971261621	0.044722635	496.157959	0.224508286	273.0267029	0.000872073	0.000872073	2.72568E-05	0.013996236	0.012977079	0.52667141	0.097106293	0.000142448	70.39595795	8.97913E-05	0.004516431	0.001963122	0.005022421
2032 Sep	1189.804565	1.303287387	1.967365623	0.044734988	498.3762207	0.224238828	273.4700623	0.000877587	0.000877587	2.74154E-05	0.014002776	0.012992695	0.527076006	0.097388104	0.000143279	70.55977631	8.97846E-05	0.004527131	0.001972282	0.00503554
2032 Oct	1183.165527	1.270194888	1.916242123	0.043957841	497.660553	0.219077975	270.1231384	0.000882462	0.000882462	2.75159E-05	0.013769701	0.01281288	0.518907607	0.096669272	0.000143813	69.88485718	8.81045E-05	0.004484553	0.001970906	0.00499283
2032 Nov	1189.68457	1.357204676	2.051202774	0.045834742	494.0028381	0.232400194	277.2543945	0.000857043	0.000857043	2.68821E-05	0.014325699	0.01321603	0.537965238	0.097745478	0.000140475	71.14128876	9.22438E-05	0.004562923	0.001951927	0.005065622
2032 Dec	1187.747314	1.392557025	2.106265306	0.046527546	490.1941223	0.237709418	279.4521484	0.000841432	0.000841432	2.64697E-05	0.014527776	0.013350633	0.544693887	0.097841509	0.000138307	71.43453979	9.38089E-05	0.004580685	0.001934741	0.005078632
2033 Jan	1187.379517	1.389762521	2.101938486	0.046464849	490.2312317	0.23727794	279.1989136	0.000842065	0.000842065	2.64847E-05	0.014509095	0.013336675	0.54404676	0.097795151	0.000138386	71.38667297	9.36719E-05	0.004577681	0.001935023	0.005075722
2033 Feb	1187.288086	1.388386726	2.099803925	0.046435352	490.2950134	0.237067565	279.0879211	0.000842481	0.000842481	2.64951E-05	0.014500364	0.013330375	0.543747962	0.097779006	0.000138441	71.36736298	9.36068E-05	0.004576478	0.001935347	0.005074612
2033 Mar	1187.910645	1.388424516	2.099832058	0.046445601	490.6073303	0.237087369	279.1856079	0.000843184	0.000843184	2.65157E-05	0.014503826	0.013334496	0.543893397	0.097825587	0.000138549	71.3972702	9.36243E-05	0.004578415	0.00193662	0.005076883
2033 Apr	1191.554443	1.392290354	2.105661869	0.046580032	492.1436157	0.23775509	280.0142517	0.000845919	0.000845919	2.66009E-05	0.014545957	0.013373764	0.545482159	0.098122984	0.000138994	71.61198425	9.38935E-05	0.004592195	0.001942707	0.005092233
2033 May	1168.282959	1.228158712	1.851803899	0.042816643	491.6258545	0.215465993	266.73703	0.000876995	0.000876995	2.73272E-05	0.013574989	0.012644815	0.511787593	0.095627002	0.000142829	69.07642365	8.67919E-05	0.004432934	0.001954355	0.004937021
2033 Jun	1118.792114	0.901912749	1.347041607	0.035387147	492.295166	0.165544078	236.5330353	0.000942628	0.000942628	2.88381E-05	0.01138615	0.010993284	0.435693204	0.089795649	0.000150813	63.2471962	7.08248E-05	0.004066479	0.001973479	0.004577802
2033 Jul	1167.091064	0.958548903	1.432815909	0.037245348	511.0967102	0.17709136	249.022644	0.000974268	0.000974268	2.98545E-05	0.012059017	0.011597915	0.460693598	0.093987741	0.00015612	66.3677597	7.52395E-05	0.004266303	0.002051251	0.004797554
2033 Aug	1214.873901	1.116647243	1.67649579	0.041130204	520.2415771	0.206117302	269.862793	0.000964002	0.000964002	2.97898E-05	0.013430907	0.012690792	0.509345293	0.099072225	0.000155741	70.8128891	8.4953E-05	0.004547921	0.002089104	0.005087835
2033 Sep	1156.948975	1.132764935	1.704555035	0.040539108	488.3217773	0.209396049	263.4465027	0.000888225	0.000888225	2.76057E-05	0.013320412	0.012459458	0.503048897	0.095115304	0.000144297	68.49065399	8.49005E-05	0.004396363	0.001962385	0.004902829
2033 Oct	1127.827026	1.114759207	1.678012013	0.039725468	474.9267578	0.206153139	257.8178406	0.000861292	0.000861292	2.67938E-05	0.013067243	0.012203849	0.493175924	0.092842117	0.000140049	66.93120575	8.33827E-05	0.004295897	0.001908862	0.00478844
2033 Nov	1125.144653	1.075539589	1.617102504	0.038902722	477.3500671	0.199082181	254.0008087	0.000874512	0.000874512	2.71222E-05	0.012771171	0.011988579	0.483017862	0.092254393	0.000141779	66.25404358	8.11815E-05	0.004253632	0.001918458	0.004749011
2033 Dec	1125.256836	1.075207949	1.616580606	0.038897865	477.4403992	0.199023053	253.9877319	0.000874782	0.000874782	2.71297E-05	0.012769265	0.01198754	0.482958198	0.092259198	0.000141818	66.25444794	8.11656E-05	0.004253672	0.001918819	0.004749148
2034 Jan	1125.238403	1.074875116	1.616063595	0.03889095	477.4631653	0.198963061	253.9559326	0.0008749	0.0008749	2.71326E-05	0.012766771	0.011985738	0.482872814	0.092254519	0.000141833	66.24888611	8.1147E-05	0.004253326	0.00191891	0.004748828
2034 Feb	1125.237183	1.074711084	1.615808249	0.038887665	477.4785156	0.198933512	253.941391	0.000874967	0.000874967	2.71343E-05	0.012765576	0.011984896	0.482832253	0.092252791	0.000141842	66.24650574	8.1138E-05	0.004253179	0.001918971	0.004748698
2034 Mar	1125.366211	1.074745417	1.615855217	0.038890354	477.5418701	0.198940337	253.9627228	0.000875104	0.000875104	2.71384E-05	0.012766396	0.011985817	0.482865781	0.092262477	0.000141864	66.25285339	8.11424E-05	0.004253589	0.001919225	0.004749175
2034 Apr	1127.209961	1.076455593	1.6184237	0.038953062	478.3291321	0.19925715	254.3743591	0.000876559	0.000876559	2.71834E-05	0.012786944	0.012005195	0.483644426	0.09241312	0.000142099	66.36066437	8.12726E-05	0.004260513	0.001922389	0.004756916
2034 May	1130.688599	1.053500056	1.582544565	0.038541645	482.0817566	0.195602909	253.132309	0.000889606	0.000889606	2.75345E-05	0.012656049	0.011923498	0.479377091	0.092486836	0.000143943	66.24598694	8.02308E-05	0.004253946	0.00193826	0.004754682
2034 Jun	1107.264404	0.865010679	1.290466785	0.03438738	487.0658569	0.163588271	234.5016632	0.000937984	0.000937984	2.86868E-05	0.011274728	0.010894276	0.431571782	0.089129038	0.000150023	62.74571991	7.00881E-05	0.004034391	0.001961561	0.004542669
2034 Jul	1175.12085	1.130618572	1.701068521	0.040541042	490.0172729	0.222244337	273.7084045	0.000892503	0.000892503	2.78345E-05	0.013959066	0.012985169	0.525978804	0.097901717	0.000145477	70.79223633	8.93361E-05	0.004542703	0.001994629	0.005057073
2034 Aug	1233.284546	1.187033534	1.785986781	0.042551812	514.0644531	0.233596385	287.4573364	0.000936119	0.000936119	2.91987E-05	0.014665065	0.013639061	0.552533627	0.102782682	0.000152606	74.33358765	9.3869E-05	0.004769893	0.002093051	0.005309627
2034 Sep	1166.715576	1.155369639	1.740116358	0.040873513	482.2728577	0.228307411	275.6713257	0.000870023	0.000870023	2.72277E-05	0.014173283	0.013116761	0.532927573	0.097728841	0.00014229	70.95100403	9.10518E-05	0.004551553	0.001966835	0.005058351
2034 Oct	1130.80127	1.11240828	1.675030828	0.039470535	468.2293701	0.219809905	266.4544983	0.000846519	0.000846519	2.64733E-05	0.013677346	0.012670775	0.514495313	0.094630569	0.000138351	68.64629364	8.77997E-05	0.004403964	0.001909216	0.004895995
2034 Nov	1133.488403	1.129456162	1.701460838	0.039842263	467.6452637	0.223418385	268.6453857	0.00084184	0.00084184	2.6366E-05	0.013835792	0.012790462	0.520005941	0.095056035	0.000137784	69.07012177	8.89548E-05	0.004430613	0.001907949	0.004922151
2034 Dec	1133.665771	1.129255414	1.701138735	0.039841212	467.7628479	0.223372489	268.6466064	0.000842147	0.000842147	2.63746E-05	0.013834659	0.012790116	0.519974947	0.095065653	0.000137829	69.07409668	8.8944E-05	0.004430883	0.001908399	0.004922541
2035 Jan	1133.688721	1.129321575	1.701240778	0.039842751	467.763916	0.223391846	268.6600647	0.000842137	0.000842137	2.63744E-05	0.013835559	0.012790827	0.520006835	0.095068812	0.000137828	69.07691956	8.89504E-05	0.004431061	0.001908418	0.004922724
2035 Feb	1133.690918	1.129050016	1.700817704	0.039837517	467.7958984	0.22333549	268.6320801	0.000842263	0.000842263	2.63776E-05	0.013833273	0.01278921	0.519929111	0.095065393	0.000137845	69.07230377	8.89331E-05	0.004430776	0.001908531	0.0049224
2035 Mar	1133.790894	1.12898159	1.700705886	0.039837785	467.8569641	0.223319188	268.6376038	0.000842415	0.000842415	2.6382E-05	0.013833025	0.012789292	0.519924998	0.095071435	0.000137868	69.07536316	8.89299E-05	0.004430977	0.001908767	0.004922735
2035 Apr	1135.741821	1.1308285	1.703483105	0.039904486	468.6732483	0.223682955	269.0894775	0.000843909	0.000843909	2.64285E-05	0.013855991	0.012810705	0.520791113	0.095233694	0.000138111	69.19248199	8.90767E-05	0.004438494	0.00191209	0.004931109
2035 May	1142.583008	1.121940613	1.689294815	0.039836187	473.1544495	0.221984461	269.2028198	0.000855849	0.000855849	2.67631E-05	0.013816055	0.012800669	0.51973623	0.095624775	0.000139866	69.3615799	8.8683E-05	0.004449881	0.001929782	0.004947221
2035 Jun	1091.509888	0.759424686	1.126990557	0.032018319	488.4610291	0.145700142	223.7264404	0.000961907	0.000961907	2.924E-05	0.010491857	0.010304419	0.404369414	0.087064102	0.000152946	60.6722908	6.4373E-05	0.003904076	0.001969124	0.004415134
2035 Jul	1138.049683	0.81050837	1.204360843	0.033692773	505.3669128	0.158774525	236.9973755	0.000990326	0.000990326	3.01748E-05	0.011227364	0.010953801	0.431505799	0.091360897	0.000157824	63.92523575	6.92574E-05	0.004112128	0.002044182	0.004642332
2035 Aug	1151.71106	0.954940856	1.429101229	0.036589973	492.027771	0.195420653	257.9295959	0.000931599	0.000931599	2.8758E-05	0.012796601	0.012115992	0.485697627	0.095001057	0.000150352	67.80509949	8.08158E-05	0.004355214	0.002011629	0.00487524
2035 Sep	1135.741211	1.055408001	1.586791515	0.038187634	468.8504639	0.221992657	269.5950012	0.000859133	0.000859133	2.68589E-05	0.013828135	0.012816605	0.520269334	0.095825799	0.000140368	69.48723602	8.87364E-05	0.004458037	0.001935562	0.004956896
2035 Oct	1122.983154	1.008908987	1.514891148	0.037115768	468.5146179	0.210664004	261.9744873	0.000867507	0.000867507	2.70116E-05	0.01330823	0.012410824	0.501971006	0.094106548	0.000141183	67.91762543	8.50125E-05	0.004358855	0.001928455	0.004856347
2035 Nov	1117.062744	1.015839934	1.52602613	0.037147313	464.2974548	0.21268338	262.2206726	0.000856552	0.000856552	2.67083E-05	0.01336724	0.012438166	0.50373739	0.093838386	0.000139592	67.83924866	8.55305E-05	0.004353281	0.00191311	0.004846651
2035 Dec	1117.212769	1.015423179	1.525367856	0.037142042	464.4386597	0.212570652	262.1824341	0.000856955	0.000856955	2.67192E-05	0.013363205	0.012435648	0.503605843	0.093840696	0.000139649	67.83573151	8.54984E-05	0.00435308	0.001913601	0.004846584
2036 Jan	1117.185669	1.015007615	1.52472055	0.037133895	464.4831848	0.212465614	262.124176	0.000857138	0.000857138	2.67237E-05	0.013358759	0.012432386	0.503452778	0.093831152	0.000139672	67.82516479	8.54655E-05	0.004352419	0.00191372	0.004845959
2036 Feb	1117.165771	1.014714122	1.524263263	0.037128121	464.5141907	0.212391451	262.0829163	0.000857266	0.000857266	2.67268E-05	0.013355616	0.012430078	0.503344595	0.093824357	0.000139689	67.81767273	8.54423E-05	0.00435195	0.001913802	0.004845515
2036 Mar	1117.1604	1.014560103	1.524023414	0.037125178	464.5332031	0.21235235	262.0618591	0.000857339	0.000857339	2.67286E-05	0.013353981	0.012428891	0.503288448	0.093821131	0.000139699	67.81394196	8.54301E-05	0.004351717	0.001913856	0.004845298
2036 Apr	1119.429932	1.018149495	1.529514313	0.037226073	465.1633911	0.213332981	262.8922729	0.000858068	0.000858068	2.67578E-05	0.013404154	0.012470925	0.505102038	0.094058186	0.00013985	68.00480652	8.57748E-05	0.004363874	0.001917022	0.004858243
2036 May	1128.020874	1.027945161	1.544369817	0.037541274	468.2092896	0.215877593	265.413208	0.000863071	0.000863071	2.69244E-05	0.013545427	0.012594803	0.510300159	0.094862439	0.000140719	68.6179657	8.67173E-05	0.00440307	0.001930705	0.004900923
2036 Jun	1097.894653	0.779187799	1.157785058	0.032401644	486.199585	0.155341908	229.9887695	0.000952879	0.000952879	2.90546E-05	0.010927583	0.010640738	0.419642627	0.088411905	0.000151961	61.93622589	6.7513E-05	0.003983818	0.001971835	0.004495161
2036 Jul	1127.897461	0.796234846	1.182938099	0.03316481	498.6433716	0.160909206	237.1507874	0.000977836	0.000977836	2.98277E-05	0.01128651	0.01097838	0.433229357	0.091022231	0.000156003	63.80798721	6.9791E-05	0.004104002	0.002026365	0.004629429
2036 Aug	1185.640381	0.898926556	1.340350986	0.035954561	513.447998	0.18811281	259.3998108	0.000991333	0.000991333	3.04415E-05	0.012654518	0.012112564	0.48247999	0.097191378	0.000159179	68.84909058	7.92508E-05	0.004424752	0.002102426	0.004968964
2036 Sep	1156.00647	1.052951336	1.582869649	0.038168825	470.0913086	0.237399921	281.6861572	0.000862439	0.000862439	2.708E-05	0.014587494	0.013438341	0.547477603	0.099056318	0.000141504	72.17812347	9.40273E-05	0.004629037	0.001971024	0.005136533
2036 Oct	1118.792847	0.975696087	1.464105964	0.036174938	462.4430847	0.216517597	265.5644226	0.000860222	0.000860222	2.68464E-05	0.013566344	0.01260643	0.510958374	0.094815269	0.00014031	68.61669922	8.68911E-05	0.004402834	0.001926935	0.004899668
2036 Nov	1119.423462	1.013774037	1.52362144	0.036857337	456.21698	0.228113502	271.8279419	0.000838576	0.000838576	2.63087E-05	0.014052	0.012959617	0.527622223	0.09578111	0.000137477	69.72845459	9.05013E-05	0.004472226	0.001911257	0.004964426
2036 Dec	1118.594238	1.01807642	1.530395865	0.03691918	455.0055237	0.22948961	272.4498901	0.000834975	0.000834975	2.62148E-05	0.01410596	0.012996621	0.529436588	0.095833026	0.000136984	69.82130432	9.09139E-05	0.004477924	0.001907584	0.004969097
2037 Jan	1118.550659	1.017201185	1.529029608	0.036902998	455.1321716	0.229225248	272.3031616	0.000835435	0.000835435	2.62261E-05	0.01409477	0.01298841	0.529051423	0.095808983	0.000137043	69.79470062	9.0831E-05	0.004476259	0.001907882	0.004967523
2037 Feb	1118.570679	1.016738892	1.528305411	0.036895186	455.2233887	0.229082465	272.2297668	0.000835733	0.000835733	2.62336E-05	0.014088903	0.012984212	0.528851211	0.095799021	0.000137083	69.7822113	9.07871E-05	0.004475483	0.001908131	0.004966819
2037 Mar	1119.146606	1.017013788	1.528703451	0.036909793	455.5007324	0.229124382	272.3294067	0.00083631	0.00083631	2.62508E-05	0.014092988	0.012988605	0.529015005	0.095842294	0.000137173	69.81102753	9.08102E-05	0.004477344	0.001909225	0.004968965
2037 Apr	1120.792847	1.018375754	1.530742526	0.036961723	456.1939087	0.229420438	272.7081909	0.000837619	0.000837619	2.62914E-05	0.014112012	0.013006475	0.529734731	0.095980018	0.000137385	69.90988922	9.09311E-05	0.004483691	0.001912093	0.004976053
2037 May	1122.924805	0.947857738	1.404191017	0.03691924	480.9238892	0.194823697	252.9046783	0.000873524	0.000873524	2.71215E-05	0.012703898	0.011897967	0.475485861	0.091620475	0.000141532	66.00177765	8.07285E-05	0.004221017	0.001915238	0.004755748
2037 Jun	1168.286011	1.07184875	1.520643234	0.045259796	536.7305298	0.171287209	238.8763733	0.000817128	0.000817128	2.55763E-05	0.012025191	0.011083208	0.425807446	0.084791966	0.000132317	62.24478912	7.65509E-05	0.003902535	0.001802121	0.004594517
2037 Jul	1286.796143	1.444095254	2.001605749	0.060624406	604.0491943	0.203730524	262.5497742	0.000696262	0.000696262	2.26798E-05	0.014008291	0.012263654	0.462899864	0.085379295	0.000115641	65.97493744	9.16555E-05	0.004035563	0.001691801	0.004932025
2037 Aug	1363.826416	1.782948613	2.434587717	0.074572712	653.0481567	0.229402572	277.1744995	0.000544571	0.000544571	1.88214E-05	0.015535266	0.013020977	0.483392835	0.082730174	9.39681E-05	67.34877777	0.000103856	0.0040194	0.001513491	0.005097762
2037 Sep	1371.019897	1.882251143	2.556482077	0.07882496	662.9854736	0.23313193	276.7590942	0.000477716	0.000477716	1.7029E-05	0.015770512	0.01301661	0.479287058	0.079942524	8.40669E-05	66.45001984	0.00010616	0.003924857	0.00141703	0.00505951
2037 Oct	1299.502441	1.708621979	2.329966784	0.071589656	623.9643555	0.217786863	263.1746521	0.000510106	0.000510106	1.76908E-05	0.014777658	0.01235947	0.457827508	0.078221463	8.81867E-05	63.86297989	9.88694E-05	0.003804502	0.001427275	0.004840733
2037 Nov	1294.32373	1.68961823	2.305314541	0.07082279	621.0200806	0.216085061	262.0573425	0.000517283	0.000517283	1.78678E-05	0.014678263	0.012302473	0.456014156	0.078244545	8.91903E-05	63.70471573	9.81017E-05	0.003799753	0.001434609	0.004826127
2037 Dec	1294.345825	1.689801574	2.306203365	0.070781223	620.510376	0.216734588	262.4753723	0.000517351	0.000517351	1.78727E-05	0.014704745	0.01232533	0.457149774	0.07836663	8.92243E-05	63.79718399	9.82863E-05	0.003806238	0.00143573	0.004831401
2038 Jan	1294.215454	1.689089894	2.305306196	0.070751421	620.4138794	0.216691986	262.4564819	0.000517713	0.000517713	1.78822E-05	0.014702122	0.012324324	0.457133263	0.078376845	8.92769E-05	63.79741287	9.82644E-05	0.003806486	0.001436197	0.004831257
2038 Feb	1294.155396	1.68872261	2.304833651	0.07073684	620.3756104	0.216660455	262.4415894	0.000517907	0.000517907	1.78872E-05	0.014700409	0.012323508	0.457109332	0.078380831	8.93048E-05	63.79649734	9.82504E-05	0.003806539	0.001436436	0.00483113
2038 Mar	1294.249512	1.688687921	2.304802179	0.070735827	620.4156494	0.216664508	262.459198	0.000518064	0.000518064	1.78917E-05	0.014700918	0.012324272	0.457141131	0.078390695	8.93288E-05	63.80224991	9.82525E-05	0.003806942	0.001436708	0.004831535
2038 Apr	1296.00354	1.690886974	2.307812452	0.070828192	621.253479	0.216951489	262.8140564	0.000518834	0.000518834	1.79178E-05	0.014720522	0.012340898	0.457759827	0.078499295	8.94598E-05	63.88935471	9.83828E-05	0.003812172	0.001438749	0.004838113
2038 May	1299.2146	1.668962717	2.274813175	0.070406035	626.4707642	0.210085109	259.6676941	0.000538258	0.000538258	1.84229E-05	0.014442888	0.012155431	0.448936671	0.078303583	9.2139E-05	63.43419266	9.62509E-05	0.003785911	0.001458995	0.004813678
2038 Jun	1309.774902	1.639829397	2.209998846	0.071481042	653.1161499	0.181186303	243.5021362	0.000565619	0.000565619	1.90586E-05	0.013300772	0.011241793	0.403206736	0.074582435	9.52255E-05	60.22048187	8.79953E-05	0.003564544	0.001459046	0.00463919
2038 Jul	1400.202515	1.832836986	2.463620901	0.079498664	699.5258789	0.201806739	262.3691406	0.000541342	0.000541342	1.86851E-05	0.014598871	0.012156661	0.435085565	0.077871203	9.25726E-05	64.06372833	9.73495E-05	0.003762723	0.001474157	0.004947936
2038 Aug	1463.16626	2.199290991	2.919932365	0.095185913	750.4185181	0.220288306	269.1483459	0.000344903	0.000344903	1.35428E-05	0.015799979	0.012522458	0.436052829	0.071426846	6.38681E-05	63.17686462	0.000107704	0.003579498	0.001212012	0.004975926
2038 Sep	1432.360229	2.218385935	2.942193747	0.095644139	735.147522	0.222871095	265.5556946	0.000286457	0.000286457	1.18952E-05	0.015800716	0.012393749	0.431289941	0.068539262	5.50895E-05	61.68309784	0.000108271	0.003471825	0.001118295	0.004866849
2038 Oct	1369.605957	1.996971488	2.66647315	0.085815676	690.1837158	0.214524835	259.6365662	0.000369618	0.000369618	1.39943E-05	0.015098799	0.01212236	0.429975957	0.070854709	6.71272E-05	61.3900032	0.000102521	0.003526423	0.001220369	0.00478264
2038 Nov	1368.622314	1.992639184	2.664153576	0.08538837	686.6127319	0.217930421	261.8421021	0.000371517	0.000371517	1.40605E-05	0.0152325	0.012243472	0.43617478	0.071569122	6.75358E-05	61.89651871	0.000103438	0.003563117	0.00122846	0.004810583
2038 Dec	1367.665771	1.98932457	2.660876036	0.085175104	685.149231	0.218797803	262.3866882	0.000372722	0.000372722	1.40956E-05	0.015262658	0.012274059	0.437867522	0.071782961	6.77465E-05	62.0304718	0.000103637	0.003573564	0.001231484	0.004817246
2039 Jan	1367.225708	1.987726927	2.659107447	0.085086897	684.6152954	0.219017297	262.5239563	0.000373302	0.000373302	1.41116E-05	0.015269188	0.012281917	0.438339293	0.071849912	6.78407E-05	62.06757355	0.000103676	0.003576667	0.001232633	0.004818909
2039 Feb	1366.987427	1.986842871	2.658102989	0.085039884	684.335083	0.2191277	262.5927124	0.000373601	0.000373601	1.41198E-05	0.015272425	0.012285864	0.438577831	0.071883932	6.78892E-05	62.08626556	0.000103696	0.003578239	0.001233222	0.004819739
2039 Mar	1367.599609	1.987438202	2.658993959	0.085060596	684.5565186	0.219302982	262.7703247	0.000373969	0.000373969	1.4132E-05	0.015282316	0.012294552	0.438939571	0.071940891	6.79526E-05	62.12965393	0.000103762	0.003581005	0.001234209	0.004822778
2039 Apr	1370.364502	1.991271496	2.664144039	0.08522474	685.9279785	0.219740435	263.3049316	0.000374867	0.000374867	1.41644E-05	0.015312871	0.01231953	0.439839154	0.072092742	6.81111E-05	62.25770569	0.000103968	0.003588472	0.001236915	0.004832655
2039 May	1386.466797	2.020830393	2.701977968	0.086562917	695.2658691	0.221452489	265.5997314	0.000374427	0.000374427	1.41944E-05	0.015460673	0.012422635	0.442734957	0.072524972	6.81506E-05	62.75552368	0.000105012	0.003612371	0.001242553	0.004876525
2039 Jun	1346.061401	1.867776871	2.491228342	0.081327602	682.5554199	0.195001155	248.5549011	0.000431945	0.000431945	1.55555E-05	0.014146445	0.011521292	0.406009972	0.070382126	7.57257E-05	59.71337128	9.52377E-05	0.003449658	0.001281552	0.004659321

Appendix D.2-28: TIRI03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2039 Jul	1372.427612	1.924470782	2.557894707	0.084297642	703.7038574	0.191211492	247.7939758	0.00042577	0.00042577	1.54235E-05	0.014120778	0.011445764	0.398470312	0.069594242	7.47263E-05	59.47193909	9.51281E-05	0.003413125	0.001271882	0.004670872
2039 Aug	1341.107056	1.719534516	2.316307545	0.074481145	663.177002	0.199366868	256.2802124	0.000536429	0.000536429	1.84206E-05	0.014231172	0.011904952	0.430083305	0.076665528	9.15942E-05	62.66940308	9.48044E-05	0.003700794	0.001449945	0.004814831
2039 Sep	1388.049927	1.994797945	2.663648367	0.08588437	696.1715088	0.220029473	265.6007385	0.000386221	0.000386221	1.45186E-05	0.015414295	0.012411726	0.442134082	0.072925769	6.98838E-05	62.89822769	0.000104574	0.003624309	0.001259613	0.004887608
2039 Oct	1377.586548	2.016130924	2.689503193	0.086650848	691.6129761	0.221965924	264.4683228	0.000354389	0.000354389	1.36371E-05	0.01546714	0.012377729	0.440457553	0.071506537	6.5139E-05	62.26537323	0.000105252	0.003574041	0.001210846	0.004844637
2039 Nov	1376.464966	2.010252476	2.685805082	0.086104095	686.8848267	0.226789773	267.5831604	0.000356008	0.000356008	1.37029E-05	0.015660107	0.012548408	0.449068457	0.072467022	6.55581E-05	62.96785736	0.000106586	0.00362415	0.001220772	0.00488402
2039 Dec	1376.258057	2.008655787	2.68426013	0.086000793	686.2320557	0.227324739	267.9529724	0.000356796	0.000356796	1.37266E-05	0.015680686	0.012568524	0.450119555	0.072604984	6.56959E-05	63.05845642	0.000106722	0.003630893	0.001222801	0.00488898
2040 Jan	1375.850586	2.007308245	2.68276453	0.085925415	685.7332153	0.227562532	268.0947876	0.000357154	0.000357154	1.37368E-05	0.015688369	0.012576653	0.450588137	0.072664067	6.57577E-05	63.09388733	0.000106772	0.003633755	0.001223648	0.004890617
2040 Feb	1375.63269	2.006560802	2.681958675	0.0858813	685.4155884	0.227761686	268.2158813	0.000357305	0.000357305	1.37414E-05	0.015695537	0.012583469	0.450956851	0.072706766	6.57871E-05	63.1222496	0.000106821	0.003635916	0.001224152	0.004892053
2040 Mar	1376.358765	2.007387877	2.683176994	0.085909389	685.6533203	0.228024274	268.4553833	0.000357598	0.000357598	1.37523E-05	0.015709674	0.012595395	0.451457918	0.072776847	6.58428E-05	63.17829895	0.000106917	0.003639448	0.001225189	0.004895946
2040 Apr	1379.269287	2.011503935	2.688776493	0.08607851	686.9906616	0.228646204	269.1154175	0.000358381	0.000358381	1.37828E-05	0.015748695	0.01262704	0.452658981	0.072957911	6.59914E-05	63.33248138	0.000107184	0.003648577	0.001228046	0.004907494
2040 May	1375.761597	1.956575751	2.619713068	0.083860584	683.2900391	0.224585757	268.1363831	0.00039612	0.00039612	1.47863E-05	0.015538239	0.012562427	0.451590061	0.074178755	7.15099E-05	63.57375717	0.00010534	0.003683062	0.001279543	0.004914333
2040 Jun	1376.251221	1.950245619	2.58290863	0.085956588	714.0635376	0.183264926	242.3067932	0.000412781	0.000412781	1.50378E-05	0.013820499	0.011146543	0.382653892	0.067485362	7.24887E-05	58.11196899	9.31556E-05	0.003310851	0.001239961	0.004597391
2040 Jul	1442.128784	2.147006989	2.847241163	0.093188167	736.0442505	0.222336978	268.865448	0.000337909	0.000337909	1.33272E-05	0.015810059	0.012532984	0.438495904	0.071286127	6.28478E-05	63.03033829	0.000107837	0.003577278	0.001200649	0.004952583
2040 Aug	1465.012207	2.282826424	3.021928787	0.09850847	747.2564697	0.239599854	277.8072815	0.000258652	0.000258652	1.12973E-05	0.016691804	0.013021349	0.455870718	0.07046926	5.16247E-05	64.03331757	0.000114793	0.003598849	0.001110061	0.005040894
2040 Sep	1426.541626	2.199448347	2.918138742	0.094575547	721.0142822	0.23944968	275.2595825	0.000266801	0.000266801	1.14398E-05	0.016498584	0.012931461	0.456898481	0.070538215	5.27451E-05	63.57318878	0.000113347	0.003594979	0.001113981	0.004977874
2040 Oct	1398.129028	2.080582857	2.767377138	0.08960963	703.3634644	0.22958298	269.4781799	0.000321412	0.000321412	1.28227E-05	0.015915887	0.012632732	0.44843927	0.071364254	6.05208E-05	62.96539307	0.000108724	0.003593921	0.001176848	0.004910262
2040 Nov	1395.107544	2.066310883	2.751816511	0.088802025	698.3249512	0.232692584	271.5300903	0.000326458	0.000326458	1.297E-05	0.016027495	0.012746355	0.454622626	0.072176613	6.13876E-05	63.47621918	0.000109454	0.003633253	0.001189004	0.004936625
2040 Dec	1394.440552	2.063832283	2.749222279	0.088650346	697.2278442	0.233444497	271.9981384	0.000327026	0.000327026	1.2988E-05	0.016055241	0.012772486	0.456014693	0.07233911	6.14993E-05	63.5857048	0.000109643	0.003641481	0.001190942	0.004942315
2041 Jan	1394.019287	2.062345505	2.747578144	0.08856605	696.6442261	0.233785585	272.2058105	0.000327352	0.000327352	1.29977E-05	0.016067265	0.012784204	0.456656963	0.072415479	6.15599E-05	63.63516998	0.000109724	0.003645297	0.001191904	0.004944777
2041 Feb	1393.863892	2.061648607	2.746783018	0.088528946	696.4155884	0.233914852	272.2896118	0.000327563	0.000327563	1.30038E-05	0.016071806	0.012788873	0.456914157	0.072449118	6.1596E-05	63.65608978	0.000109753	0.003646923	0.001192406	0.004945836
2041 Mar	1394.35791	2.062115192	2.747493267	0.088543773	696.5580444	0.234112963	272.4676514	0.0003278	0.0003278	1.30124E-05	0.016082242	0.012797782	0.457294762	0.072502442	6.16403E-05	63.6979866	0.000109824	0.003649598	0.001193203	0.004948705
2041 Apr	1396.32312	2.064855099	2.751219988	0.088656247	697.4434814	0.234559208	272.9301147	0.000328308	0.000328308	1.30326E-05	0.016109744	0.012820059	0.458148062	0.072628528	6.17385E-05	63.80552673	0.000110012	0.003655985	0.001195144	0.004956713
2041 May	1387.772583	2.037217855	2.724742889	0.086656153	678.135376	0.252598137	284.1195374	0.000322541	0.000322541	1.29594E-05	0.016848283	0.013435793	0.488480717	0.075611234	6.15322E-05	66.18910217	0.000115236	0.003820444	0.001214283	0.005092852
2041 Jun	1263.417603	1.591138482	2.146885872	0.06861715	609.2526855	0.205971122	255.5657959	0.000493413	0.000493413	1.72004E-05	0.014355835	0.011935774	0.434724152	0.075273164	8.52683E-05	61.99308014	9.60853E-05	0.003660462	0.001385132	0.004745199
2041 Jul	1251.666016	1.617386103	2.162959814	0.070813999	619.4821167	0.185762003	241.6656036	0.000458007	0.000458007	1.61596E-05	0.013604868	0.011175593	0.394125968	0.069804862	7.92267E-05	58.51775742	9.11817E-05	0.003396726	0.00130078	0.004559768
2041 Aug	1271.825317	1.660785556	2.219594002	0.072615102	628.9707031	0.191655859	246.8137512	0.000449285	0.000449285	1.59999E-05	0.01396734	0.011427345	0.402955979	0.070632517	7.81948E-05	59.54110336	9.38122E-05	0.003448759	0.001301865	0.004641934
2041 Sep	1279.866333	1.692325711	2.26041913	0.073844001	631.8821411	0.197071627	250.3108368	0.000432237	0.000432237	1.55848E-05	0.014257393	0.01160951	0.40964216	0.0708244	7.58602E-05	60.10187531	9.60132E-05	0.003473243	0.001286493	0.004686757
2041 Oct	1279.40918	1.698792577	2.268942595	0.074044406	630.7300415	0.199220404	251.387085	0.000424721	0.000424721	1.53921E-05	0.014355673	0.011670145	0.412176192	0.070828825	7.48114E-05	60.24703979	9.6775E-05	0.003479643	0.00127841	0.00469675
2041 Nov	1280.134521	1.698974848	2.269637823	0.07402087	630.5256958	0.200040117	251.9927979	0.000425115	0.000425115	1.54084E-05	0.014392843	0.011701972	0.413658202	0.071006559	7.49029E-05	60.38459778	9.70315E-05	0.003488861	0.001280491	0.004705357
2041 Dec	1280.203735	1.698923945	2.269680023	0.074010491	630.4200439	0.200233743	252.1236572	0.000425135	0.000425135	1.54101E-05	0.014401132	0.011709013	0.413996845	0.0710437	7.49133E-05	60.41353989	9.70893E-05	0.003490836	0.001280845	0.004707086
2042 Jan	1280.215698	1.698861241	2.269628525	0.074005768	630.3883057	0.200279936	252.155899	0.000425172	0.000425172	1.54113E-05	0.01440305	0.011710745	0.414082646	0.071054183	7.49206E-05	60.42105865	9.71024E-05	0.003491368	0.001280977	0.004707523
2042 Feb	1280.209839	1.698809743	2.269571781	0.074002907	630.3712769	0.200294301	252.1655884	0.000425192	0.000425192	1.54119E-05	0.01440359	0.011711276	0.41411072	0.071057811	7.49241E-05	60.42341995	9.7106E-05	0.003491545	0.001281029	0.00470765
2042 Mar	1280.35791	1.698979855	2.269809484	0.074009635	630.4301147	0.200334921	252.2062988	0.000425248	0.000425248	1.5414E-05	0.014405969	0.011713258	0.414189875	0.071069568	7.49344E-05	60.43301392	9.71221E-05	0.003492133	0.001281215	0.004708344
2042 Apr	1282.020508	1.701150775	2.272747755	0.074100949	631.1882324	0.20068036	252.5871124	0.000425759	0.000425759	1.54333E-05	0.014428247	0.011731387	0.414868981	0.071175367	7.50287E-05	60.522686	9.72736E-05	0.003497425	0.001282951	0.004715112
2042 May	1287.018921	1.704968333	2.278255701	0.074259341	633.1906128	0.201738462	253.8750458	0.000429106	0.000429106	1.5542E-05	0.014497256	0.011792207	0.417230517	0.071597278	7.55866E-05	60.8454895	9.77258E-05	0.003517433	0.001291134	0.004738836
2042 Jun	1259.6521	1.625582218	2.174830675	0.071009241	618.0144653	0.19360593	248.3829498	0.000450893	0.000450893	1.60598E-05	0.014061284	0.011508038	0.406587631	0.071101829	7.85168E-05	59.90457153	9.44549E-05	0.003472661	0.001308141	0.004665607
2042 Jul	1243.879395	1.595854044	2.134385109	0.069803275	608.9705811	0.191175252	246.3743896	0.000446756	0.000446756	1.59284E-05	0.01394915	0.011404484	0.401723891	0.07041049	7.77965E-05	59.41422653	9.37097E-05	0.00343893	0.001297165	0.004634847
2042 Aug	1234.236694	1.590358734	2.126015186	0.069503263	602.1906128	0.193174005	246.8904419	0.000431202	0.000431202	1.55137E-05	0.01404315	0.01143904	0.402727783	0.06995555	7.55306E-05	59.33945465	9.45201E-05	0.003427271	0.001276166	0.00463224
2042 Sep	1229.536499	1.583638072	2.117226362	0.069170937	598.5151367	0.194200501	247.274826	0.000427	0.000427	1.54022E-05	0.014084255	0.011463005	0.403841734	0.069913782	7.49341E-05	59.37297821	9.48486E-05	0.003428445	0.001271059	0.004633776
2042 Oct	1225.088257	1.578393579	2.110305548	0.068912692	595.5518799	0.194647536	247.1763306	0.000423341	0.000423341	1.52989E-05	0.014092423	0.011462902	0.404037774	0.069778569	7.43931E-05	59.3071785	9.49407E-05	0.003424127	0.001265473	0.004627828
2042 Nov	1226.178833	1.579474568	2.111959934	0.068943784	595.7721558	0.195239127	247.6625366	0.000423638	0.000423638	1.53124E-05	0.014122307	0.011487653	0.405109435	0.069913179	7.44628E-05	59.41736221	9.51473E-05	0.003431124	0.001267139	0.004635271
2042 Dec	1226.280273	1.579536915	2.112083912	0.068943501	595.7640991	0.195331782	247.7316132	0.000423669	0.000423669	1.53139E-05	0.014126603	0.011491266	0.405274659	0.069932662	7.4471E-05	59.43287277	9.51771E-05	0.003432146	0.001267356	0.004636259
2043 Jan	1226.280762	1.579501033	2.112054586	0.068940632	595.7385864	0.195365772	247.7534637	0.000423671	0.000423671	1.53141E-05	0.01412799	0.011492461	0.405333936	0.069939002	7.44727E-05	59.43769073	9.51868E-05	0.003432483	0.001267413	0.004636534
2043 Feb	1226.286621	1.579491973	2.112045765	0.068940081	595.7374878	0.195370555	247.7574768	0.000423683	0.000423683	1.53145E-05	0.014128202	0.011492669	0.405344069	0.069940545	7.44746E-05	59.43871689	9.51882E-05	0.003432556	0.00126744	0.004636597
2043 Mar	1226.367188	1.579587698	2.112174988	0.068944268	595.7762451	0.195382997	247.7737732	0.000423718	0.000423718	1.53156E-05	0.014129104	0.011493424	0.4053711	0.069945417	7.44805E-05	59.44270706	9.51942E-05	0.003432791	0.001267533	0.004636905
2043 Apr	1228.149658	1.581878781	2.115239143	0.06904427	596.6417847	0.19566685	248.1339417	0.000424337	0.000424337	1.5338E-05	0.014149629	0.011510131	0.405960649	0.070047244	7.45893E-05	59.52916336	9.53324E-05	0.003437786	0.001269381	0.004643646
2043 May	1234.370605	1.587040544	2.122452021	0.069274075	599.461792	0.19655855	249.4532013	0.000428609	0.000428609	1.54737E-05	0.014216958	0.011570577	0.408180237	0.070498362	7.52835E-05	59.87001419	9.57642E-05	0.003458631	0.001279013	0.004669465
2043 Jun	1209.278809	1.51442039	2.028991699	0.066223785	585.0060425	0.190057099	244.788147	0.000449724	0.000449724	1.59759E-05	0.013836646	0.011335323	0.400256217	0.070243925	7.81661E-05	59.10229492	9.28885E-05	0.00342726	0.001296989	0.004603912
2043 Jul	1218.514648	1.52464962	2.042523384	0.066668585	588.4705811	0.192545697	247.64328	0.000451151	0.000451151	1.60597E-05	0.014012994	0.01146884	0.4047921	0.070913143	7.8514E-05	59.74552155	9.41141E-05	0.003462319	0.001306659	0.004655549
2043 Aug	1227.90979	1.538110733	2.060213327	0.067234918	592.0002441	0.19553715	250.6656342	0.000450192	0.000450192	1.60799E-05	0.014209417	0.011613171	0.409821957	0.071544044	7.85203E-05	60.39658356	9.55035E-05	0.003497264	0.001313303	0.004707419
2043 Sep	1225.824219	1.536879539	2.058483839	0.067136101	589.5246582	0.197381347	251.7642975	0.00044465	0.00044465	1.59428E-05	0.014301322	0.011671999	0.41214031	0.071610972	7.77612E-05	60.57050705	9.62019E-05	0.003505438	0.001308164	0.00472036
2043 Oct	1221.393921	1.526104808	2.044979811	0.066630572	586.0404663	0.197943777	251.8979034	0.000445263	0.000445263	1.59551E-05	0.014307621	0.011683804	0.413211316	0.071716048	7.78651E-05	60.60720062	9.62387E-05	0.003510484	0.001309234	0.004719174
2043 Nov	1217.609131	1.515339613	2.031405926	0.066154853	583.5667114	0.197499335	251.4519043	0.000448205	0.000448205	1.60247E-05	0.014267738	0.011663874	0.412906438	0.071754225	7.82806E-05	60.54496384	9.59293E-05	0.003510028	0.001312191	0.004711454
2043 Dec	1217.693115	1.515355349	2.031443596	0.066155113	583.5932617	0.197522581	251.4775085	0.000448299	0.000448299	1.60276E-05	0.014269006	0.011665124	0.412961572	0.071764149	7.82958E-05	60.55171967	9.59373E-05	0.003510485	0.001312392	0.004711908
2044 Jan	1217.696411	1.51533556	2.031419277	0.066154025	583.5900879	0.19752638	251.4807892	0.000448334	0.000448334	1.60281E-05	0.014269251	0.01166534	0.412970752	0.071767047	7.82984E-05	60.55368042	9.59384E-05	0.003510566	0.001312445	0.00471199
2044 Feb	1217.793213	1.515453935	2.031575203	0.06615901	583.6343384	0.197543934	251.5018005	0.000448393	0.000448393	1.60295E-05	0.014270595	0.011666385	0.413006246	0.071774796	7.83044E-05	60.56012726	9.5947E-05	0.003510872	0.001312578	0.004712418
2044 Mar	1218.039185	1.51575911	2.03198266	0.066172272	583.751709	0.19758378	251.5523376	0.000448498	0.000448498	1.60327E-05	0.014273537	0.01166876	0.413089067	0.071790211	7.83202E-05	60.57307434	9.59665E-05	0.003511586	0.001312858	0.004713389
2044 Apr	1218.677246	1.516552925	2.03304553	0.066206887	584.057251	0.197687253	251.6839752	0.00044874	0.00044874	1.60412E-05	0.014281048	0.011674885	0.413305134	0.071828328	7.83612E-05	60.60520935	9.60168E-05	0.003513427	0.001313554	0.004715869
2044 May	1222.758789	1.521729946	2.039932251	0.066431947	585.9921875	0.198377103	252.5428772	0.000450492	0.000450492	1.60925E-05	0.014333218	0.0117154	0.414702564	0.072082333	7.86004E-05	60.82323074	9.63597E-05	0.003525296	0.001318016	0.004732351
2044 Jun	935.4768677	1.170119047	1.564589381	0.051242471	446.3802795	0.157963797	193.9725189	0.00055279	0.00055279	1.29671E-05	0.011869031	0.009059519	0.316654772	0.056505043	5.85862E-05	48.19142914	7.64608E-05	0.002701308	0.00100411	0.003794754
2044 Jul	601.677002	0.747486353	0.997959375	0.033021871	285.3668213	0.110333212	124.6122131	0.000712743	0.000712743	9.92295E-06	0.008572577	0.00585909	0.202339366	0.03834619	3.81925E-05	32.98108673	5.09243E-05	0.001748567	0.000652589	0.002706144
2044 Aug	410.1842346	0.501417875	0.668747663	0.022410965	193.1569519	0.082705729	84.47496033	0.000814138	0.000814138	8.30173E-06	0.006671007	0.003997982	0.136722177	0.028098442	2.7087E-05	24.28467751	3.57984E-05	0.001188816	0.000461549	0.002061562
2044 Sep	317.2154846	0.382893771	0.509637237	0.01728004	148.1541138	0.0694528	65.24442291	0.000854396	0.000854396	7.43418E-06	0.005796997	0.003102951	0.105337575	0.023148621	2.14077E-05	20.14003563	2.85829E-05	0.000904946	0.000371351	0.001737624
2044 Oct	285.568634	0.342370212	0.455150217	0.015517876	132.7632141	0.064995065	58.72361374	0.000868312	0.000868312	7.14245E-06	0.005496471	0.002799088	0.094744399	0.021486605	1.94951E-05	18.74878883	2.61492E-05	0.000809096	0.000340671	0.001632431
2044 Nov	285.7411499	0.34267202	0.455489337	0.015527321	132.8064575	0.065085851	58.80149078	0.000868195	0.000868195	7.14156E-06	0.005504121	0.002803342	0.094898321	0.021506885	1.949E-05	18.7688694	2.61902E-05	0.000810084	0.000340803	0.001633699
2044 Dec	285.7586975	0.342691004	0.455516338	0.015527787	132.8082581	0.065098509	58.81205368	0.000868208	0.000868208	7.14174E-06	0.0055049	0.002803899	0.094922356	0.021509822	1.94906E-05	18.77137566	2.61951E-05	0.000810233	0.000340831	0.001633864
2045 Jan	285.7597961	0.34269169	0.455517024	0.01552772	132.807312	0.065100491	58.81371689	0.000868206	0.000868206	7.14173E-06	0.005505036	0.002803997	0.094926506	0.021510437	1.94906E-05	18.77188492	2.61959E-05	0.000810258	0.000340837	0.001633889
2045 Feb	285.7598572	0.342691451	0.455516338	0.015527681	132.8070374	0.065100677	58.81389236	0.000868207	0.000868207	7.14172E-06	0.005505059	0.002804015	0.094926976	0.021510709	1.94905E-05	18.77209854	2.61961E-05	0.000810262	0.000340841	0.001633895
2045 Mar	285.7780762	0.342713177	0.455544978	0.015528657	132.8154144	0.065104797	58.81760406	0.000868263	0.000868263	7.14218E-06	0.005505416	0.002804196	0.094932936	0.021512195	1.94918E-05	18.773386	2.61978E-05	0.000810314	0.000340865	0.001634001
2045 Apr	285.8439331	0.342792124	0.455649734	0.015532229	132.845993	0.065119781	58.83114243	0.000868464	0.000868464	7.14383E-06	0.005506688	0.002804844	0.094954766	0.021517223	1.94963E-05	18.77776718	2.62038E-05	0.000810502	0.000340945	0.001634379
2045 May	286.2715149	0.343304843	0.456331253	0.015555459	133.0447083	0.065217197	58.91913605	0.000869763	0.000869763	7.15451E-06	0.005514928	0.00280904	0.095096789	0.021549441	1.95254E-05	18.80587959	2.6243E-05	0.000811714	0.000341455	0.001636824
2045 Jun	275.3115234	0.329543978	0.437972128	0.014936648	126.9880829	0.064381063	57.44234467	0.00086939	0.00086939	6.99945E-06	0.005488846	0.002752252	0.093147434	0.02108888	1.86355E-05	18.45508003	2.59753E-05	0.000792774	0.000328651	0.001610016
2045 Jul	244.9946594	0.290908486	0.38628006	0.013274617	112.3156052	0.060068831	51.17204285	0.000884786	0.000884786	6.73268E-06	0.00518526	0.002466227	0.082779936	0.019438663	1.68187E-05	17.0679245	2.37167E-05	0.000712302	0.000295183	0.001517166
2045 Aug	213.4653778	0.250081867	0.331764787	0.01152249	97.27910614	0.055380199	44.41422272	0.000903899	0.000903899	6.48891E-06	0.004854282	0.002151128	0.07165736	0.017733049	1.5078E-05	15.60488987	2.11063E-05	0.00061928	0.000264063	0.00140962
2045 Sep	190.6155548	0.220386162	0.292028785	0.010243123	86.31931305	0.051944084	39.5538063	0.000915062	0.000915062	6.29411E-06	0.004628257	0.001921617	0.063700303	0.016514087	1.37726E-05	14.5688343	1.9216E-05	0.00054559	0.000243502	0.001326009
2045 Oct	180.9191895	0.207629427	0.274999529	0.00969272	81.6480484	0.05049406	37.48752213	0.000920356	0.000920356	6.21631E-06	0.004527402	0.001823584	0.060343895	0.016005559	1.32375E-05	14.13505363	1.84114E-05	0.000514581	0.000234803	0.001293113
2045 Nov	180.9744568	0.207686663	0.275079846	0.009694793	81.66216278	0.050520189	37.51131058	0.000920496	0.000920496	6.21744E-06	0.004529293	0.001824805	0.060394537	0.016012749	1.32405E-05	14.14123535	1.84224E-05	0.000514912	0.000234884	0.001293574
2045 Dec	180.9916229	0.207703546	0.275104195	0.009695305	81.66492462	0.050529916	37.52052689	0.000920519	0.000920519	6.21767E-06	0.004529961	0.001825284	0.060415048	0.016015332	1.32412E-05	14.14344215	1.84266E-05	0.000515041	0.000234911	0.001293727
2046 Jan	180.9943542	0.207706228	0.275107861	0.009695374	81.66529083	0.050531521	37.52203369	0.000920523	0.000920523	6.21771E-06	0.004530077	0.001825365	0.060418416	0.016015818	1.32413E-05	14.14385223	1.84273E-05	0.000515062	0.000234916	0.001293753
2046 Feb	180.9957733	0.207707807	0.275109768	0.009695442	81.66589355	0.05053189	37.52230453	0.000920531	0.000920531	6.21776E-06	0.004530116	0.001825381	0.06041884	0.016016018	1.32414E-05	14.14402103	1.84274E-05	0.000515067	0.000234919	0.001293764

Appendix D.2-28: TIRI03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2046 Mar	181.0110321	0.207725301	0.275132865	0.009696255	81.67276001	0.050536137	37.52545547	0.000920608	0.000920608	6.21828E-06	0.004530499	0.001825536	0.060423903	0.016017409	1.32425E-05	14.1452446	1.8429E-05	0.00051511	0.000234939	0.001293873
2046 Apr	181.0782776	0.207801789	0.275234461	0.009699789	81.70233917	0.050555475	37.54025269	0.00092094	0.00092094	6.22054E-06	0.004532214	0.00182626	0.060448583	0.016023537	1.32474E-05	14.15064144	1.84362E-05	0.000515314	0.000235028	0.001294359
2046 May	181.3322601	0.208092704	0.275615275	0.009712624	81.80547333	0.050629944	37.60434341	0.000921949	0.000921949	6.22754E-06	0.004539019	0.001829533	0.060558781	0.016049594	1.32623E-05	14.17364788	1.84683E-05	0.000516199	0.000235392	0.00129619
2046 Jun	177.9363098	0.203851894	0.269831538	0.00952124	79.86618042	0.050255641	37.1736908	0.000918565	0.000918565	6.15905E-06	0.004543622	0.001816036	0.059908383	0.015906939	1.29349E-05	14.07424355	1.84739E-05	0.000511446	0.000231074	0.001287099
2046 Jul	167.2581024	0.190422922	0.251790851	0.008944793	74.67514038	0.048665669	34.99972534	0.00092007	0.00092007	6.04162E-06	0.004434245	0.001718078	0.05618	0.015288957	1.22393E-05	13.56610298	1.77277E-05	0.000484789	0.000218076	0.001254515
2046 Aug	154.2721252	0.173457026	0.229181811	0.008217893	68.51869202	0.046731006	32.1763382	0.00092966	0.00092966	5.95467E-06	0.004293798	0.001586189	0.05155858	0.014592674	1.15665E-05	12.96040726	1.66117E-05	0.000446561	0.000205499	0.001210342
2046 Sep	143.702713	0.159567848	0.210583806	0.007614356	63.41430664	0.045145564	29.96248245	0.000933694	0.000933694	5.86212E-06	0.004189619	0.001481476	0.048019201	0.014044028	1.09804E-05	12.48918247	1.57263E-05	0.000412146	0.00019658	0.00117016
2046 Oct	139.0392303	0.153420836	0.202281833	0.007342617	61.11429977	0.044478182	29.02058601	0.000935101	0.000935101	5.81891E-06	0.004144869	0.001437078	0.046546958	0.013813651	1.07172E-05	12.29315472	1.53582E-05	0.000397497	0.000192597	0.001154379
2046 Nov	139.150528	0.153535143	0.202425793	0.007345357	61.12430573	0.04453915	29.08875275	0.00093501	0.00093501	5.81902E-06	0.004149925	0.001440697	0.046698067	0.013831562	1.07191E-05	12.30888653	1.53902E-05	0.000398437	0.000192759	0.001155364
2046 Dec	139.1684418	0.153550804	0.202448443	0.007345812	61.12657928	0.044548735	29.09899139	0.000935032	0.000935032	5.81925E-06	0.004150661	0.00144123	0.046721045	0.013834408	1.07199E-05	12.31131363	1.53949E-05	0.00039858	0.000192787	0.001155531
2047 Jan	139.1707306	0.153552786	0.20245108	0.007345857	61.12677765	0.044550002	29.1003437	0.000935035	0.000935035	5.81928E-06	0.004150765	0.001441303	0.046724111	0.013834852	1.07199E-05	12.31168747	1.53955E-05	0.000398599	0.000192792	0.001155553
2047 Feb	139.1721954	0.153554335	0.202452958	0.007345925	61.12738037	0.04455043	29.10062599	0.000935045	0.000935045	5.81934E-06	0.004150811	0.00144132	0.046724547	0.013835075	1.072E-05	12.3118763	1.53957E-05	0.000398604	0.000192796	0.001155566
2047 Mar	139.1933594	0.153577685	0.202483624	0.007347037	61.1366539	0.044557188	29.1050396	0.000935187	0.000935187	5.82022E-06	0.004151443	0.001441541	0.046731625	0.013837222	1.07217E-05	12.31378269	1.5398E-05	0.000398665	0.000192826	0.001155743
2047 Apr	139.2199554	0.153607011	0.202522218	0.007348437	61.14832306	0.044565689	29.11059189	0.000935366	0.000935366	5.82133E-06	0.004152237	0.001441816	0.046740528	0.013839889	1.07237E-05	12.31615353	1.5401E-05	0.000398741	0.000192863	0.001155964
2047 May	139.407547	0.153783232	0.202718869	0.007353819	61.18849182	0.04462653	29.18096352	0.000935837	0.000935837	5.82439E-06	0.004160336	0.001446278	0.046878271	0.013881635	1.07286E-05	12.3513279	1.54438E-05	0.000399881	0.000193434	0.001157689
2047 Jun	137.5193787	0.151253283	0.199094042	0.007230385	60.09071732	0.044318158	28.89527512	0.000933094	0.000933094	5.78466E-06	0.0041538	0.001439414	0.046435498	0.013895889	1.05639E-05	12.36070442	1.54113E-05	0.000397899	0.00019286	0.001153202
2047 Jul	131.7659302	0.143731892	0.189105049	0.006912187	57.38076401	0.043505777	27.61799622	0.00094014 9	0.00094014 9	5.76128E-06	0.004087226	0.001380602	0.044307265	0.013580842	1.02873E-05	12.08662796	1.49258E-05	0.000383577	0.000186228	0.001138646
2047 Aug	124.6743088	0.134423479	0.176735878	0.00651658	54.05106354	0.042452745	26.04400826	0.000947025	0.000947025	5.72342E-06	0.00401024	0.001306583	0.041718826	0.013194184	9.93841E-06	11.74887466	1.42983E-05	0.000362431	0.000179301	0.001114817
2047 Sep	118.5301285	0.126282513	0.165868446	0.006164588	51.10243607	0.041503094	24.74009514	0.000949495	0.000949495	5.67161E-06	0.003948587	0.00124411	0.039634686	0.012867359	9.60801E-06	11.46715355	1.3766E-05	0.000341556	0.000174273	0.001090485
2047 Oct	115.7797394	0.122601122	0.160911396	0.006001609	49.73178101	0.041102942	24.20034599	0.000950013	0.000950013	5.64499E-06	0.003922039	0.001218373	0.038812641	0.012731674	9.45428E-06	11.35154819	1.35513E-05	0.000332826	0.000171991	0.001081074
2047 Nov	115.8493347	0.122672312	0.160988644	0.006002983	49.73556137	0.04113777	24.24501228	0.000949869	0.000949869	5.64459E-06	0.003925552	0.001220788	0.038910944	0.012743321	9.45468E-06	11.36193848	1.35727E-05	0.000333442	0.000172089	0.00108168
2047 Dec	115.8616791	0.122682072	0.161002576	0.00600327	49.73704147	0.041143749	24.25208664	0.000949888	0.000949888	5.64477E-06	0.003926074	0.001221157	0.038926814	0.012745318	9.45521E-06	11.3636446	1.35759E-05	0.000333541	0.000172109	0.001081798
2048 Jan	115.8658829	0.122685492	0.1610073	0.006003373	49.73763657	0.041145723	24.25435638	0.000949897	0.000949897	5.64484E-06	0.00392625	0.001221277	0.038931854	0.012746028	9.4554E-06	11.36424732	1.3577E-05	0.000333573	0.000172117	0.001081839
2048 Feb	115.8684006	0.12268813	0.161010593	0.006003496	49.73868561	0.04114658	24.25486183	0.000949917	0.000949917	5.64496E-06	0.003926336	0.001221305	0.038932655	0.012746368	9.4556E-06	11.36454296	1.35773E-05	0.000333581	0.000172122	0.001081863
2048 Mar	115.8688583	0.122688606	0.16101113	0.006003515	49.73886871	0.041146725	24.25494766	0.000949921	0.000949921	5.64498E-06	0.003926353	0.001221311	0.038932782	0.012746451	9.45563E-06	11.36461353	1.35773E-05	0.000333582	0.000172123	0.001081868
2048 Apr	115.8980865	0.122719474	0.161051422	0.006005005	49.75117874	0.041156989	24.26128387	0.00095015	0.00095015	5.64635E-06	0.003927337	0.001221634	0.038943041	0.012749773	9.45793E-06	11.36756611	1.35809E-05	0.00033367	0.000172168	0.001082139
2048 May	116.0204315	0.122848928	0.161221191	0.006011326	49.80352402	0.041200396	24.28706169	0.000951147	0.000951147	5.65228E-06	0.003931481	0.001222934	0.03898453	0.012763296	9.46786E-06	11.37961864	1.35953E-05	0.000334025	0.000172351	0.001083281
2048 Jun	114.497818	0.120908797	0.158619687	0.005926159	49.03935242	0.040901255	23.98373032	0.000948842	0.000948842	5.62398E-06	0.003922802	0.001211012	0.038477186	0.012668073	9.36108E-06	11.30054569	1.3536E-05	0.000330958	0.000170319	0.00107685
2048 Jul	110.5816193	0.115869962	0.151916444	0.005710605	47.17788696	0.040261082	23.13228226	0.000949552	0.000949552	5.58733E-06	0.003878213	0.001173161	0.037043281	0.012434487	9.14664E-06	11.0994072	1.32413E-05	0.000321879	0.000165417	0.001064633
2048 Aug	106.0687561	0.109912097	0.144006222	0.00545634	45.04017258	0.039598614	22.15513611	0.00095354	0.00095354	5.56164E-06	0.003828879	0.001127494	0.035464998	0.012193458	8.92521E-06	10.88760281	1.28444E-05	0.000308867	0.000161026	0.001049433
2048 Sep	102.0359421	0.104521126	0.13682425	0.005223584	43.11306763	0.038961872	21.28962898	0.000955512	0.000955512	5.5303E-06	0.003787849	0.00108572	0.034097921	0.011982142	8.71756E-06	10.70324516	1.24833E-05	0.000294736	0.000157942	0.001033098
2048 Oct	100.1235275	0.101958297	0.133376405	0.005110528	42.1791954	0.038657025	20.89377022	0.000955848	0.000955848	5.51241E-06	0.003767184	0.001066608	0.033489909	0.011884666	8.61625E-06	10.61886692	1.23203E-05	0.000288304	0.000156413	0.001026189
2048 Nov	100.1524506	0.101984814	0.133389518	0.005110334	42.1752243	0.038674843	20.91651726	0.00095582	0.00095582	5.51238E-06	0.003769642	0.001067945	0.03354422	0.011892051	8.61664E-06	10.62529278	1.23322E-05	0.000288644	0.000156469	0.001026531
2048 Dec	100.156929	0.101988718	0.133394465	0.005110479	42.17626953	0.038676783	20.9184227	0.000955843	0.000955843	5.51253E-06	0.003769842	0.001068047	0.033548273	0.011892734	8.61692E-06	10.62588596	1.23331E-05	0.000288671	0.000156477	0.001026577
2049 Jan	100.1574402	0.101989292	0.133394957	0.005110498	42.17644501	0.038676988	20.91853142	0.000955848	0.000955848	5.51255E-06	0.00376987	0.001068055	0.033548463	0.011892851	8.61696E-06	10.62598515	1.23332E-05	0.000288673	0.000156478	0.001026583
2049 Feb	100.1578751	0.101989709	0.133395389	0.005110513	42.17660141	0.038677122	20.9186039	0.000955851	0.000955851	5.51258E-06	0.003769886	0.001068061	0.033548564	0.011892956	8.61699E-06	10.62607193	1.23333E-05	0.000288674	0.00015648	0.001026588
2049 Mar	100.1625748	0.101994485	0.133401558	0.00511075	42.17856216	0.038678914	20.91957664	0.000955896	0.000955896	5.51283E-06	0.003770063	0.001068111	0.033550117	0.011893543	8.61739E-06	10.62659359	1.23339E-05	0.000288688	0.000156488	0.001026637
2049 Apr	100.1868286	0.102019168	0.133433819	0.005111985	42.18877029	0.038688272	20.92463684	0.000956127	0.000956127	5.51417E-06	0.003770977	0.00106837	0.033558231	0.01189644	8.61947E-06	10.629179	1.23369E-05	0.000288758	0.000156526	0.001026885
2049 May	100.2892532	0.102122046	0.133566424	0.005117027	42.23058319	0.038727224	20.94666481	0.000957079	0.000957079	5.51965E-06	0.003774924	0.001069541	0.033594213	0.011909634	8.62801E-06	10.64084721	1.23501E-05	0.000289072	0.000156702	0.001027939
2049 Jun	98.90292358	0.10037639	0.131235972	0.005039164	41.57006454	0.038410135	20.63175011	0.000954813	0.000954813	5.49503E-06	0.003763537	0.001057129	0.033103228	0.011825526	8.54669E-06	10.56490326	1.22729E-05	0.000286046	0.000155037	0.00102115
2049 Jul	96.06826782	0.09673015	0.126411259	0.004883158	40.24934769	0.037934151	19.9936409	0.000955836	0.000955836	5.47273E-06	0.003726603	0.001028565	0.032059614	0.011657119	8.40811E-06	10.41514969	1.20361E-05	0.000279591	0.000151505	0.001012429
2049 Aug	93.06382751	0.092738129	0.121122688	0.004716145	38.85682297	0.037518475	19.30188751	0.000961137	0.000961137	5.46903E-06	0.003695869	0.0009959	0.030915989	0.011501492	8.27654E-06	10.27742767	1.1758E-05	0.000270457	0.000148684	0.001003427
2049 Sep	90.15813446	0.088862143	0.115948491	0.004548531	37.48085022	0.037041098	18.66638947	0.000962437	0.000962437	5.44624E-06	0.00366538	0.000965018	0.029913668	0.011347538	8.12966E-06	10.14222145	1.1488E-05	0.00025989	0.000146555	0.000991137
2049 Oct	88.79304504	0.087028034	0.113466792	0.004466992	36.81136322	0.036815569	18.38637543	0.000962469	0.000962469	5.43248E-06	0.003650509	0.000951437	0.029489592	0.011278648	8.05683E-06	10.08257294	1.13708E-05	0.000255209	0.000145503	0.0009861
2049 Nov	88.85479736	0.087065771	0.113512643	0.004467563	36.81190872	0.036841508	18.42866898	0.000962456	0.000962456	5.43282E-06	0.003653653	0.000953699	0.0295873	0.011290281	8.05879E-06	10.09248161	1.13905E-05	0.000255808	0.00014561	0.000986718
2049 Dec	88.86408234	0.087072007	0.113521338	0.004467767	36.81311417	0.036845237	18.43380356	0.00096248	0.00096248	5.433E-06	0.003654058	0.000953967	0.029598732	0.011291799	8.05923E-06	10.09378338	1.13929E-05	0.00025588	0.000145626	0.000986811
2050 Jan	88.86529541	0.087073058	0.113522574	0.004467807	36.8134346	0.036845732	18.43424416	0.000962489	0.000962489	5.43305E-06	0.003654114	0.000953991	0.029599631	0.011292012	8.05932E-06	10.09396744	1.13931E-05	0.000255887	0.000145628	0.000986825
2050 Feb	88.86566162	0.087073401	0.113522924	0.00446782	36.8135643	0.036845848	18.43430519	0.000962492	0.000962492	5.43307E-06	0.003654129	0.000953996	0.029599719	0.011292099	8.05934E-06	10.09403896	1.13932E-05	0.000255888	0.00014563	0.000986829
2050 Mar	88.86650848	0.087074228	0.113523953	0.004467861	36.81391144	0.036846187	18.43447495	0.000962501	0.000962501	5.43312E-06	0.003654164	0.000954006	0.029599985	0.011292228	8.05942E-06	10.09415245	1.13933E-05	0.00025589	0.000145631	0.000986839
2050 Apr	88.88290405	0.087090291	0.113544852	0.004468684	36.82069397	0.036852978	18.43787003	0.000962678	0.000962678	5.43412E-06	0.003654838	0.000954182	0.029605435	0.011294324	8.0609E-06	10.09602356	1.13954E-05	0.000255938	0.000145658	0.000987021
2050 May	88.96038818	0.0871654	0.113641679	0.004472479	36.85214233	0.036884721	18.45417786	0.000963508	0.000963508	5.4388E-06	0.003658079	0.000955052	0.029631995	0.011304764	8.06782E-06	10.10527992	1.14056E-05	0.00025617	0.000145795	0.000987884
2050 Jun	88.02805328	0.085996553	0.112055093	0.004419526	36.41022491	0.036663391	18.23069954	0.000962111	0.000962111	5.42276E-06	0.003650037	0.000946597	0.029274715	0.01125874	8.01344E-06	10.06194592	1.13511E-05	0.00025421	0.000144841	0.000983541
2050 Jul	85.95257568	0.083375283	0.108590886	0.004306845	35.45647812	0.036284119	17.75736809	0.000961652	0.000961652	5.40081E-06	0.003619208	0.000925416	0.02849381	0.011125664	7.90828E-06	9.943325996	1.11705E-05	0.000249549	0.000142112	0.000976404
2050 Aug	85.50419617	0.082714945	0.107716903	0.004280073	35.22563171	0.03626956	17.66845894	0.000964105	0.000964105	5.40817E-06	0.003618204	0.000921779	0.028358346	0.011115692	7.89479E-06	9.934270859	1.11423E-05	0.000248939	0.000141607	0.000977057
2050 Sep	85.56735229	0.082752675	0.107735932	0.004279782	35.22011948	0.036299497	17.71455574	0.000964126	0.000964126	5.40859E-06	0.00362287	0.000924498	0.028468838	0.011130979	7.89647E-06	9.947583199	1.11648E-05	0.000249632	0.000141727	0.00097777
2050 Oct	85.64517975	0.082813762	0.107805662	0.00428187	35.23516846	0.036331408	17.74997902	0.000964555	0.000964555	5.41124E-06	0.00362683	0.000926423	0.028545598	0.011144018	7.90121E-06	9.958940506	1.11831E-05	0.00025014	0.000141862	0.000978622
2050 Nov	85.68737793	0.082843132	0.107846312	0.004283059	35.24349976	0.036347389	17.76981163	0.000964756	0.000964756	5.41254E-06	0.003628634	0.000927455	0.028588366	0.011150547	7.90372E-06	9.964580536	1.11927E-05	0.000250417	0.000141932	0.000979061
2050 Dec	85.693367	0.082847171	0.107851811	0.004283211	35.24451828	0.03634965	17.77281189	0.000964781	0.000964781	5.4127E-06	0.003628897	0.000927611	0.028594926	0.011151504	7.90406E-06	9.96540451	1.11941E-05	0.000250459	0.000141942	0.000979124

Appendix D.2-28: TIRI03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	1.3E-06	6.8E-10	9.5E-04	1.2E-03	1.7E-05	1.3E-06	2.2E-02	1.6E-06	5.3E-06	2.4E-08	1.9E-07	1.8E-08	1.4E-04	6.8E-10	3.4E-07	5.4E-07	5.3E-07	3.4E-07
Operations (2020-2043): Mean	2.0E-02	1.6E-05	2.3E+01	2.5E+01	2.7E-01	1.7E-02	3.1E+02	2.5E-02	5.6E-02	7.6E-04	3.7E-03	8.4E-04	2.1E+00	8.9E-06	7.0E-03	6.2E-03	6.5E-03	6.4E-03
Operations (2020-2043): Max	2.3E-02	3.5E-05	3.1E+01	3.1E+01	3.1E-01	0.0210	3.9E+02	2.9E-02	8.2E-02	1.3E-03	4.7E-03	1.5E-03	2.5E+00	1.1E-05	8.3E-03	8.4E-03	8.3E-03	9.1E-03
Active Closure (2044-2050): Min	1.5E-02	2.6E-06	2.4E+00	2.6E+00	1.7E-02	7.1E-04	1.6E+01	1.8E-03	5.7E-03	7.3E-05	2.6E-04	1.1E-04	1.3E-01	2.2E-06	4.4E-04	2.7E-04	1.0E-03	4.6E-04
Active Closure (2044-2050): Mean	1.6E-02	6.0E-06	5.2E+00	5.7E+00	4.6E-02	2.2E-03	4.8E+01	4.6E-03	9.3E-03	1.1E-04	7.4E-04	2.4E-04	3.5E-01	2.8E-06	1.3E-03	7.8E-04	1.5E-03	7.9E-03
Active Closure (2044-2050): Max	2.2E-02	2.8E-05	2.5E+01	2.6E+01	2.5E-01	1.3E-02	2.7E+02	2.4E-02	3.7E-02	4.1E-04	4.0E-03	1.1E-03	1.9E+00	7.1E-06	7.0E-03	4.5E-03	5.1E-03	7.9E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Note: Calculation excludes zero values; Values higher than ap																		
Model Predictions (2020-2050)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	1.34023E-06	6.80319E-10	0.000945644	0.001204165	1.68719E-05	1.31982E-06	0.022246445	1.59195E-06	5.3337E-06	2.38112E-08	1.89129E-07	1.79604E-08	0.000136064	6.80319E-10	3.44922E-07	5.42895E-07	5.27928E-07	3.4016E-07
2025 Feb	6.43045E-06	3.26419E-09	0.004537222	0.005777613	8.09519E-05	6.33253E-06	0.106738962	7.6382E-06	2.55912E-05	1.14247E-07	9.07444E-07	8.61746E-08	0.000652838	3.26419E-09	1.65494E-06	2.60482E-06	2.53301E-06	1.63209E-06
2025 Mar	1.22884E-05	6.23779E-09	0.008670522	0.011040881	0.000154697	1.21013E-05	0.203975588	1.45964E-05	4.89042E-05	2.18322E-07	1.7341E-06	1.64678E-07	0.001247557	6.23779E-09	3.16256E-06	4.97775E-06	4.84052E-06	3.11889E-06
2025 Apr	1.73525E-05	8.80839E-09	0.012243657	0.015590846	0.000218448	1.70883E-05	0.28803426	2.06116E-05	6.90578E-05	3.08294E-07	2.44873E-06	2.32541E-07	0.001761677	8.80839E-09	4.46585E-06	7.02909E-06	6.83531E-06	4.40419E-06
2025 May	2.64546E-05	1.2603E-08	0.028968224	0.03099856	0.000355738	2.41515E-05	0.47537905	3.30063E-05	8.6134E-05	1.24062E-06	4.68557E-06	9.05903E-07	0.002845789	1.27373E-08	9.04508E-06	9.14353E-06	9.38991E-06	7.16463E-06
2025 Jun	0.012448013	6.26721E-06	9.426697731	11.63589382	0.158124343	0.012139739	208.8894806	0.01488486	0.04834317	0.000269298	0.001816118	0.000201261	1.273755312	6.27559E-06	0.003343353	0.004944152	0.004838986	0.003187522
2025 Jul	0.020341257	1.01385E-05	16.68524361	19.91319847	0.261213869	0.019601202	345.8544922	0.024520159	0.076616392	0.000535887	0.003086143	0.000397446	2.101340532	1.01689E-05	0.005741499	0.007883666	0.007779188	0.005264709
2025 Aug	0.021252161	1.03843E-05	20.03060913	22.62822342	0.278637439	0.019999726	370.4866028	0.026017446	0.075218499	0.00075423	0.003464529	0.0005543	2.235802174	1.04499E-05	0.006562696	0.007840103	0.007867588	0.005614022
2025 Sep	0.021677516	1.02476E-05	24.73003578	26.09763718	0.293687761	0.019607142	393.0305481	0.027198702	0.068734936	0.001090857	0.003931242	0.000795454	2.34732604	1.03706E-05	0.007627289	0.007340866	0.007594964	0.005914252
2025 Oct	0.021331329	1.00496E-05	24.76349449	25.98148727	0.289941758	0.019215001	388.2616577	0.026830172	0.066841058	0.001105481	0.003908063	0.000805678	2.316494465	1.01762E-05	0.00759849	0.007158241	0.00743081	0.005838525
2025 Nov	0.021289458	1.00102E-05	24.9606781	26.10297585	0.28991434	0.019131949	388.364624	0.026815278	0.066253044	0.001121696	0.003923113	0.000817252	2.315765619	1.01398E-05	0.007636939	0.007106672	0.007391632	0.005837807

Appendix D.2-28: TIRI03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Dec	0.021291614	1.00122E-05	24.95172882	26.09756279	0.289918363	0.019136	388.3635254	0.026816227	0.066281073	0.001120951	0.003922449	0.00081672	2.315821648	1.01415E-05	0.00763522	0.007109142	0.007393528	0.005837895
2026 Jan	0.021290477	1.00124E-05	24.940979	26.08955956	0.289882153	0.019136716	388.3096313	0.026813351	0.066295043	0.001120187	0.00392137	0.000816173	2.315551758	1.01416E-05	0.007632768	0.0071102	0.007394076	0.005837173
2026 Feb	0.021289054	1.00125E-05	24.92940331	26.08086395	0.289840937	0.019137263	388.2488098	0.026810033	0.066309027	0.001119371	0.003920191	0.000815588	2.315243006	1.01416E-05	0.007630107	0.007111237	0.007394573	0.005836349
2026 Mar	0.021295791	1.00155E-05	24.93895721	26.09028625	0.289936304	0.019143013	388.3641968	0.026818775	0.066326909	0.00111985	0.003921586	0.000815935	2.316001654	1.01447E-05	0.007632882	0.007113234	0.007396746	0.005838269
2026 Apr	0.021327004	1.00292E-05	24.98773575	26.13710403	0.290388227	0.019168817	388.9474792	0.02685996	0.0664014	0.001122405	0.003928464	0.000817785	2.319586039	1.01588E-05	0.007646724	0.007121793	0.007406365	0.00584736
2026 May	0.021445002	1.00812E-05	25.16960144	26.31232262	0.292091012	0.019266831	390.563324	0.027015276	0.066687748	0.001131878	0.003954231	0.000824644	2.333097696	1.02121E-05	0.007698501	0.00715454	0.00744298	0.00588162
2026 Jun	0.020159328	1.0014E-05	16.95798492	20.03121948	0.259807587	0.019348061	342.5361023	0.024365697	0.075146899	0.000562657	0.00309755	0.000416475	2.089101553	1.00497E-05	0.005781762	0.007748744	0.007667392	0.005236065
2026 Jul	0.021040935	1.0452E-05	17.69890022	20.90674019	0.271167994	0.020194316	355.7475586	0.025431151	0.078434505	0.000587212	0.003232948	0.000434651	2.180451393	1.04892E-05	0.00603446	0.008087717	0.008002771	0.005465018
2026 Aug	0.021558493	1.038E-05	22.24037933	24.30249977	0.286887556	0.019933665	372.4403076	0.026687661	0.072732344	0.000908797	0.003692056	0.000665105	2.297871828	1.04716E-05	0.007074367	0.007659871	0.007788781	0.005778903
2026 Sep	0.022000089	1.03349E-05	25.91144753	27.05680084	0.299850672	0.019748872	386.61026	0.027728427	0.068245977	0.001167934	0.004064936	0.000850825	2.3948915	1.04703E-05	0.007917386	0.007325938	0.007626595	0.006037809
2026 Oct	0.021313455	1.00687E-05	24.39966393	25.71895981	0.288942724	0.019262183	373.0468445	0.026754973	0.067422688	0.001078892	0.003873072	0.000786641	2.30922389	1.01907E-05	0.007517638	0.007204613	0.007458912	0.005818638
2026 Nov	0.021347184	1.00933E-05	24.33021736	25.68382835	0.289161772	0.019312596	373.4146423	0.026780706	0.067730218	0.001072516	0.003869212	0.000782103	2.311199427	1.02141E-05	0.007506074	0.007232509	0.007481527	0.005823123
2026 Dec	0.021345958	1.00961E-05	24.28668213	25.65278244	0.289052308	0.019319259	373.306488	0.026772693	0.067804642	0.001069303	0.003865095	0.000779803	2.310412169	1.02163E-05	0.007496495	0.007238526	0.007485313	0.005820948
2027 Jan	0.021342345	1.00962E-05	24.25968552	25.63237953	0.288952947	0.01932021	373.1961975	0.026764644	0.067835696	0.00106741	0.003862325	0.000778446	2.309665442	1.02162E-05	0.007490257	0.007240794	0.007486336	0.005818962
2027 Feb	0.021340445	1.00963E-05	24.24584389	25.62189865	0.288901478	0.019320644	373.138916	0.026760466	0.067851372	0.001066441	0.003860901	0.000777751	2.309278488	1.0216E-05	0.007487054	0.007241933	0.007486838	0.005817933
2027 Mar	0.021350361	1.01015E-05	24.25082207	25.62939453	0.289021879	0.019330785	373.2993469	0.026771937	0.067894585	0.001066466	0.003862114	0.000777776	2.310253859	1.02212E-05	0.007489168	0.007246258	0.007490947	0.005820362
2027 Apr	0.021435793	1.01422E-05	24.34431076	25.72945595	0.29017055	0.019408789	374.7857666	0.026878517	0.068172865	0.001070468	0.003877239	0.000780698	2.319442987	1.02623E-05	0.007518364	0.007275795	0.007521276	0.005843496
2027 May	0.021864424	1.02489E-05	26.03037262	27.08554077	0.298615873	0.019575678	382.165863	0.027600264	0.06730713	0.001181579	0.004065634	0.000860495	2.384452581	1.0387E-05	0.007929073	0.007238217	0.007551678	0.006012757
2027 Jun	0.020054884	1.00441E-05	15.84753418	19.20982742	0.256207883	0.019436439	334.9737854	0.024082327	0.076658122	0.000483252	0.002986969	0.000359587	2.06239295	1.00662E-05	0.005529794	0.007864694	0.007729985	0.005164245
2027 Jul	0.02091727	1.05257E-05	15.90883732	19.60067368	0.265858412	0.020386621	348.1079407	0.0250226	0.081107125	0.000457644	0.003058083	0.000341859	2.141444683	1.05407E-05	0.00563294	0.008297552	0.008124435	0.00535921
2027 Aug	0.021583036	1.05762E-05	19.96492577	22.71558189	0.282143474	0.020380739	361.9427795	0.026364496	0.077091254	0.000737732	0.003483567	0.000542724	2.264746428	1.0638E-05	0.006582904	0.008019795	0.008027853	0.005684926
2027 Sep	0.021659361	1.02454E-05	24.62975883	26.01994133	0.293266475	0.019605398	366.7902222	0.027163697	0.068825252	0.001083992	0.003920594	0.000790529	2.344124317	1.03672E-05	0.007603627	0.007346864	0.007596565	0.005905821
2027 Oct	0.021231629	1.00769E-05	23.72146797	25.21002579	0.286545128	0.019296044	359.2181396	0.026562434	0.068250194	0.001031027	0.003804167	0.000752337	2.291277885	1.01908E-05	0.007361872	0.007266177	0.007488759	0.005770753
2027 Nov	0.021093259	1.00746E-05	22.77601242	24.49073982	0.282934755	0.019316167	356.2622681	0.026267797	0.06927526	0.000965151	0.003706265	0.000705107	2.264059782	1.01775E-05	0.007142192	0.007339545	0.007519084	0.005698579
2027 Dec	0.021119667	1.00759E-05	22.94581032	24.62054825	0.28360036	0.019314291	356.8181458	0.026322395	0.069099411	0.000976927	0.003723966	0.000713551	2.269089222	1.01808E-05	0.007181807	0.007327168	0.007514362	0.005711889
2028 Jan	0.021115683	1.00757E-05	22.92032051	24.60105133	0.283500195	0.019314552	356.734375	0.026314175	0.069125712	0.00097516	0.003721307	0.000712284	2.268332481	1.01803E-05	0.007175858	0.007329016	0.007515062	0.005709887
2028 Feb	0.021114768	1.00762E-05	22.9083252	24.59226608	0.283463687	0.019315746	356.7103882	0.026311347	0.069143161	0.000974295	0.003720129	0.000711664	2.268063307	1.01806E-05	0.007173159	0.007330378	0.007515837	0.005709158
2028 Mar	0.021116011	1.00772E-05	22.9037323	24.5895443	0.283467263	0.019317977	356.7267456	0.026311982	0.069158271	0.000973908	0.003719799	0.000711388	2.268104553	1.01815E-05	0.007172291	0.007331716	0.007516873	0.005709235
2028 Apr	0.021151237	1.00943E-05	22.93863678	24.62824631	0.283932865	0.019350814	357.3193054	0.026355369	0.069279782	0.000975285	0.003725699	0.000712398	2.271836758	1.01988E-05	0.007183539	0.007344452	0.007529744	0.005718615
2028 May	0.021320106	1.01685E-05	23.20168304	24.88094902	0.28637585	0.019490566	360.1203003	0.026578063	0.069684386	0.000989049	0.003762831	0.000722363	2.291216135	1.02748E-05	0.00725824	0.00739089	0.007581865	0.005767764
2028 Jun	0.020056618	1.00366E-05	15.95318127	19.28466797	0.256459862	0.019418888	333.1905212	0.024100432	0.076470941	0.000491093	0.002996867	0.0003652	2.064191103	1.00601E-05	0.005552912	0.007849457	0.007720219	0.005169249
2028 Jul	0.020876218	1.04908E-05	16.05599403	19.68738365	0.265729725	0.020313708	346.078125	0.025000902	0.080616407	0.000470088	0.003068571	0.000350735	2.140012741	1.05081E-05	0.005660613	0.008254037	0.008090642	0.005356488
2028 Aug	0.021863895	1.08766E-05	18.19391441	21.5860424	0.281339318	0.021020543	361.9806519	0.026395515	0.081868827	0.000595426	0.003341163	0.000441096	2.26267004	1.09127E-05	0.006227661	0.008434154	0.008335512	0.005670148
2028 Sep	0.021613885	1.05666E-05	20.30188179	22.96448708	0.28322649	0.020352982	357.0505066	0.026449574	0.076628231	0.000761856	0.003517058	0.000560006	2.272774696	1.06325E-05	0.006659274	0.007984179	0.008008468	0.005706532
2028 Oct	0.021009224	1.01266E-05	21.53631783	23.58688164	0.279275358	0.019451141	346.4457703	0.025986593	0.071134664	0.000875363	0.003585286	0.000640805	2.237191677	1.02141E-05	0.00686429	0.007485689	0.007604087	0.005625662
2028 Nov	0.020802328	1.01019E-05	20.38747978	22.69723129	0.274460584	0.019432375	343.3529968	0.025586737	0.072175153	0.000796673	0.003463382	0.000584359	2.200608253	1.01763E-05	0.006593316	0.007554962	0.00762293	0.00552932
2028 Dec	0.020803327	1.01042E-05	20.36621857	22.68271255	0.274424762	0.01943741	343.3770752	0.025584549	0.072219945	0.000795048	0.003461492	0.000583197	2.200368404	1.01783E-05	0.006588804	0.007558721	0.007625522	0.005528614
2029 Jan	0.020800799	1.0104E-05	20.3513813	22.67128181	0.274364173	0.019437328	343.3395691	0.02557954	0.072234154	0.000794027	0.003459929	0.000582464	2.199908972	1.01779E-05	0.006585319	0.007559689	0.007625832	0.005527402
2029 Feb	0.020799495	1.01038E-05	20.34372902	22.66538429	0.274332881	0.019437283	343.3201599	0.025576953	0.072241463	0.0007935	0.003459122	0.000582086	2.199671984	1.01777E-05	0.006583522	0.007560187	0.007625991	0.005526776
2029 Mar	0.020801535	1.01051E-05	20.34225464	22.66517258	0.274352163	0.019439833	343.355072	0.025578931	0.072255	0.000793318	0.003459141	0.000581958	2.199833632	1.01789E-05	0.006583414	0.007561459	0.007627087	0.005527167
2029 Apr	0.020817405	1.0113E-05	20.35579872	22.68107796	0.274557084	0.019455027	343.6176453	0.02559814	0.072313793	0.000793776	0.003461597	0.000582296	2.201481342	1.01868E-05	0.006588008	0.007567529	0.007633104	0.005531297
2029 May	0.021027712	1.01609E-05	21.23819542	23.38512993	0.278822333	0.019526742	346.0188599	0.02596074	0.071786568	0.000852416	0.00355913	0.000624399	2.234235048	1.02443E-05	0.006801492	0.007540676	0.007642504	0.005616755
2029 Jun	0.020794883	1.01021E-05	20.3328743	22.65590858	0.274258107	0.019434147	339.8685303	0.025570311	0.072237246	0.000792849	0.003457769	0.000581618	2.199085712	1.01759E-05	0.006580685	0.00755948	0.007624936	0.005525274
2029 Jul	0.02050757	1.02894E-05	15.97339058	19.48073196	0.261480093	0.019917931	338.4460144	0.024590291	0.078819387	0.000476817	0.003032958	0.000355295	2.105344057	1.0309E-05	0.005604276	0.008077611	0.007927667	0.005270681
2029 Aug	0.021168863	1.03625E-05	19.71657944	22.37425804	0.277026296	0.019964781	345.0898743	0.025879281	0.075361416	0.000733656	0.003429178	0.000539522	2.223380327	1.04248E-05	0.006485841	0.007845325	0.007860316	0.005581725
2029 Sep	0.021364182	1.03279E-05	21.52291298	23.72064018	0.283162355	0.019849362	346.1293945	0.026367674	0.073037684	0.000861933	0.003610985	0.00063144	2.269129038	1.0412E-05	0.006898357	0.007669751	0.007770309	0.005704221
2029 Oct	0.021079613	1.01409E-05	21.85365105	23.8379631	0.280751377	0.019471085	340.7035828	0.026111335	0.070917316	0.000896636	0.003619964	0.000656074	2.248495817	1.02318E-05	0.006940519	0.007473343	0.007605033	0.005655225
2029 Nov	0.021245446	1.01127E-05	23.37223434	24.97052383	0.285927951	0.019375872	341.6090698	0.026523687	0.068972386	0.00100442	0.003772932	0.00073331	2.287104607	1.02219E-05	0.007287491	0.007326573	0.007530121	0.005758571
2029 Dec	0.021260666	1.01136E-05	23.46807861	25.04392242	0.286307126	0.01937516	341.7495422	0.02655484	0.068874784	0.001011057	0.003782947	0.000738068	2.28997159	1.0224E-05	0.007309884	0.007319747	0.007527601	0.005766153
2030 Jan	0.021257991	1.01134E-05	23.45127106	25.03104782	0.286240548	0.019375276	341.7247925	0.026549369	0.068891861	0.001009893	0.00378119	0.000737234	2.28946805	1.02236E-05	0.007305956	0.007320941	0.00752804	0.005764822
2030 Feb	0.021258103	1.01141E-05	23.44424057	25.02615929	0.286226302	0.019376699	341.7360229	0.026548412	0.068905525	0.001009363	0.003780549	0.000736855	2.289369345	1.02241E-05	0.007304442	0.007322072	0.007528796	0.00576454
2030 Mar	0.02126213	1.01163E-05	23.44478798	25.02816772	0.28627193	0.019381087	341.8058777	0.026552841	0.068925805	0.001009263	0.003780905	0.000736786	2.289742231	1.02263E-05	0.00730498	0.007324053	0.007530611	0.005765461
2030 Apr	0.021281363	1.01256E-05	23.46377563	25.04924965	0.286525995	0.019399026	342.1179504	0.026576519	0.068992272	0.00101001	0.00378412	0.000737334	2.291779041	1.02357E-05	0.007311106	0.007331016	0.007537644	0.00577058
2030 May	0.021431707	1.01948E-05	23.65856361	25.24658012	0.288614124	0.019530719	344.4573059	0.026768731	0.069425732	0.001019317	0.003813536	0.000744096	2.308420181	1.03061E-05	0.007369058	0.007378376	0.00758799	0.005812615
2030 Jun	0.019976269	1.00232E-05	15.55550957	18.97319221	0.254696876	0.019402655	329.4294434	0.023952594	0.076784901	0.000464161	0.002954007	0.000345873	2.050736904	1.00422E-05	0.005458204	0.007868958	0.007722686	0.005133953
2030 Jul	0.020664064	1.0222E-05	17.91673851	20.90760612	0.267489761	0.019733954	335.7615967	0.02505783	0.076035582	0.000616701	0.003224485	0.000455492	2.149705172	1.02654E-05	0.006042495	0.007861212	0.007805916	0.005390508
2030 Aug	0.021642277	1.04454E-05	22.01444626	24.177742	0.287314087	0.020068752	344.5950623	0.02674338	0.073595569	0.000888963	0.003677528	0.000650972	2.301949739	1.05333E-05	0.007034042	0.007737321	0.007850305	0.00578771
2030 Sep	0.022000147	1.05706E-05	22.97197151	24.99402809	0.293373048	0.020291129	349.0037231	0.027276799	0.073709458	0.000948057	0.003793204	0.000693501	2.349233627	1.06676E-05	0.007279209	0.007774668	0.007920732	0.005909353
2030 Oct	0.021124808	1.02227E-05	21.15073395	23.36291504	0.279700905	0.01965113	337.0871887	0.026052104	0.072462857	0.000842475	0.003558413	0.000617352	2.241669416	1.03041E-05	0.006792618	0.007603816	0.007696357	0.005634582
2030 Nov	0.020940395	1.01408E-05	20.87413406	23.09442902	0.277056545	0.019496543	334.3440552	0.025810547	0.072001196	0.000828241	0.003518848	0.000607041	2.220671654	1.02203E-05	0.006713354	0.007551474	0.007638371	0.005581374
2030 Dec	0.02093989	1.01415E-05	20.86148071	23.08534622	0.277023077	0.019498313	334.3623657	0.025808057	0.072022028	0.000827313	0.00351764	0.000606377	2.220429182	1.02209E-05	0.006710555	0.007553146	0.007639402	0.005580708
2031 Jan	0.020937664	1.01413E-05	20.84835625	23.07523727	0.276969612	0.019498255	334.3505554	0.02580364	0.072034657	0.000826409	0.003516258	0.000605728	2.220024109	1.02205E-05	0.006707474	0.00755401	0.007639683	0.005579639
2031 Feb	0.020936482	1.01412E-05	20.84154701	23.06998253	0.276941538	0.019498194	334.3439026	0.025801318	0.072041065	0.000825941	0.003515539	0.000605393	2.219811201	1.02203E-05	0.006705872	0.007554443	0.007639815	0.005579078
2031 Mar	0.020938456	1.01424E-05	20.84044647	23.07000732	0.276960909	0.019500596	334.3820801	0.025803277	0.072053544	0.000825789	0.003515586	0.000605286	2.219972849	1.02215E-05	0.006705839	0.007555623	0.007640841	0.00557947
2031 Apr	0.020984096	1.01642E-05	20.88994598	23.12315178	0.277573556	0.01954235	335.0970154	0.025860148	0.072203033	0.000827894	0.003523626	0.000606823	2.224874973	1.02435E-05	0.00672134	0.00757147	0.007657089	0.005591809
2031 May	0.021087155	1.02067E-05	21.08472061	23.30140305	0.279139966	0.019621324	335.8098145	0.026001319	0.072386317	0.000838855	0.003549453	0.000614737	2.237233877	1.02876E-05	0.006774363	0.007594584	0.007685471	0.005623301
2031 Jun	0.020501612	1.02566E-05	16.34089661	19.73622894	0.262224287	0.0198435	335.6951904	0.024640333	0.078104831	0.000504515	0.00306648	0.000375109	2.110513449	1.0281E-05	0.005683444	0.008018456	0.007888128	0.005285414
2031 Jul	0.021597881	1.07688E-05	17.66643906	21.10859299	0.277241707	0.020821255	351.9023438	0.026027327	0.081441678	0.000565284	0.003272214	0.000419345	2.230385303	1.08005E-05	0.006085431	0.008378264	0.008264726	0.005587782
2031 Aug	0.021716427	1.05391E-05	21.36687469	23.75320816	0.286705077	0.020270867	343.0488281	0.026723908	0.075191438	0.000837928	0.003623292	0.000614507	2.298605204	1.06179E-05	0.006901174	0.007874195	0.007949541	0.005775941
2031 Sep	0.021793092	1.01717E-05	26.49102592	27.3800354	0.298844039	0.01941118	329.3501892	0.027594054	0.066073559	0.001218534	0.004102805	0.000886887	2.385148764	1.03165E-05	0.008021655	0.007131322	0.007472453	0.006016985
2031 Oct	0.021327954	1.00065E-05	25.2781868	26.34131622	0.291038871	0.019116301	324.17099	0.02690562	0.065866627	0.001144098	0.003955387	0.000833307	2.324184179	1.01398E-05	0.007709882	0.007077945	0.007377746	0.005860267
2031 Nov	0.021513212	1.00053E-05	26.59727859	27.34171677	0.29599008	0.01907954	323.7775879	0.027308282	0.064395227	0.001236281	0.004091388	0.000899393	2.361452818	1.01541E-05	0.008015567	0.006971587	0.007331816	0.005959224
2031 Dec	0.021510279	1.00066E-05	26.56053925	27.31475067	0.295876741	0.019083045	323.8300476	0.027299469	0.064447984	0.001233635	0.004087768	0.000897498	2.360616446	1.01549E-05	0.008007284	0.00697569	0.007334129	0.005956964
2032 Jan	0.021506786	1.00067E-05	26.5344677	27.29504585	0.295780748	0.01908396	323.8409424	0.027291693	0.064477958	0.001231808	0.004085093	0.000896188	2.359894991	1.01547E-05	0.00800126	0.006977879	0.007335116	0.005955047
2032 Feb	0.021504799	1.00067E-05	26.52028275	27.28429031	0.295727581	0.01908436	323.8452759	0.027287368	0.064493813	0.001230816	0.004083631	0.000895477	2.359494686	1.01546E-05	0.007997974	0.006979025	0.007335612	0.005953983
2032 Mar	0.021507183	1.00083E-05	26.51688004	27.28286552	0.295746386	0.019087648	323.8996887	0.02728942	0.064512745	0.001230478	0.004083497	0.000895237	2.359658003	1.01561E-05	0.007997483	0.006980767	0.00733706	0.005954366
2032 Apr	0.021535181	1.00216E-05	26.54787445	27.31590843	0.296123624	0.019113146	324.3316345	0.027324405	0.064603284	0.001231816	0.004088487	0.000896213	2.362674952	1.01696E-05	0.008007713	0.006990393	0.007346964	0.005961964
2032 May	0.021699026	1.00859E-05	26.89994049	27.62905502	0.298707366	0.019230882	326.1322632	0.027555358	0.064815864	0.001252414	0.004133468	0.000911064	2.382982254	1.02369E-05	0.008100634	0.007020669	0.007387845	0.006013883
2032 Jun	0.020055555	9.95137E-06	17.00943184	20.02546692	0.258775979	0.019222872	323.4830017	0.02426159	0.074502215	0.000570139	0.00309443	0.000421757	2.080502987	9.98863E-06	0.005782121	0.007687678	0.007614042	0.005215175
2032 Jul	0.02050101	1.0082E-05	18.5145874	21.26138496	0.267008245	0.019441888	325.8363342	0.024973698	0.074061722	0.000667129	0.003267378	0.000491461	2.144225836	1.01348E-05	0.006155306	0.007686342	0.007670359	0.00538028

Appendix D.2-28: TIRI03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Aug	0.021560051	1.02248E-05	24.18855858	25.67027092	0.291198313	0.019576052	325.8224182	0.026988704	0.069119789	0.001054467	0.003872271	0.000769335	2.328276396	1.03417E-05	0.007497493	0.007363286	0.007594578	0.005864395
2032 Sep	0.021631325	1.02671E-05	24.16233444	25.68061829	0.29192695	0.019660357	327.278717	0.027061611	0.069545649	0.00105001	0.003875256	0.000766195	2.334324121	1.03831E-05	0.007499225	0.007403838	0.00763031	0.005879141
2032 Oct	0.021504803	1.02394E-05	23.61697769	25.24687958	0.289329022	0.019619888	326.8071289	0.02684124	0.069889776	0.001013647	0.003815239	0.00074009	2.314393759	1.03494E-05	0.007367644	0.007422206	0.007626105	0.005827095
2032 Nov	0.021641336	1.0204E-05	25.01926804	26.28601074	0.293926001	0.019513452	324.4100647	0.027204094	0.068005949	0.001113759	0.003955233	0.000811815	2.348542452	1.03311E-05	0.007686314	0.007278163	0.007549218	0.005918825
2032 Dec	0.02161457	1.01443E-05	25.5757637	26.66574287	0.294857144	0.019380966	321.9111938	0.027260717	0.066830054	0.001156322	0.004004647	0.000842251	2.354763508	1.02789E-05	0.007804347	0.007179492	0.007481106	0.005937179
2033 Jan	0.021607343	1.01439E-05	25.53026772	26.63089943	0.294677109	0.019381298	321.9354553	0.027245924	0.066876367	0.001153172	0.003999893	0.000839992	2.353402138	1.02779E-05	0.007793716	0.007182729	0.0074823	0.005933579
2033 Feb	0.021605393	1.01446E-05	25.50812721	26.61457634	0.294606805	0.019383209	321.9772339	0.027240418	0.066907197	0.001151584	0.003997698	0.000838855	2.352881432	1.02783E-05	0.007788706	0.007185109	0.00748361	0.005932176
2033 Mar	0.021616567	1.01507E-05	25.51053047	26.6207695	0.294735402	0.019395223	322.1822815	0.027252847	0.066961855	0.001151373	0.003998768	0.000838711	2.35393095	1.02844E-05	0.007790391	0.007190472	0.00748856	0.005934773
2033 Apr	0.021682782	1.01823E-05	25.58253098	26.69800377	0.295624703	0.019455768	323.1911316	0.027335385	0.067178398	0.00115444	0.004010449	0.000840952	2.361046076	1.03163E-05	0.007812922	0.007213437	0.007512114	0.005952684
2033 May	0.021284755	1.01462E-05	23.23148727	24.88760757	0.286051482	0.019445658	322.8428955	0.026544487	0.069441952	0.000992516	0.003762904	0.000724819	2.288477659	1.02532E-05	0.007261028	0.007368214	0.007562462	0.005761184
2033 Jun	0.020334501	1.00322E-05	17.9640522	20.80788612	0.263957709	0.019357793	323.2658386	0.024709374	0.074203916	0.000631779	0.003203848	0.000466053	2.120594263	1.00794E-05	0.006018436	0.007684996	0.007648099	0.005319093
2033 Jul	0.021247715	1.04482E-05	19.2025013	22.04530144	0.27676335	0.020147517	335.6130371	0.025885398	0.076734066	0.000692442	0.003387639	0.000510087	2.222535372	1.05031E-05	0.006382444	0.007964231	0.007948379	0.005576839
2033 Aug	0.022213344	1.07465E-05	22.27707481	24.59236908	0.294193953	0.020657003	341.6251221	0.027400143	0.076129004	0.000888614	0.003745145	0.000651116	2.357746363	1.08326E-05	0.007150551	0.007990065	0.008089293	0.005926519
2033 Sep	0.021217341	1.01593E-05	22.59242058	24.41194916	0.283899218	0.019488372	320.6687622	0.026373519	0.070273004	0.000947074	0.00369871	0.000692258	2.272444963	1.02587E-05	0.007115258	0.007431197	0.00759509	0.005718222
2033 Oct	0.020693608	9.89237E-06	22.23688889	23.95121574	0.277336895	0.018970031	311.8732605	0.025753573	0.068162672	0.000938817	0.003626097	0.000685989	2.219491959	9.99188E-06	0.006983512	0.007216907	0.007387386	0.005585907
2033 Nov	0.020617114	9.90888E-06	21.49248695	23.39797401	0.274852306	0.019022055	313.4622803	0.025556616	0.069141455	0.000885813	0.003551477	0.000648012	2.201000452	9.99939E-06	0.006813928	0.007291313	0.007426336	0.005536317
2033 Dec	0.020618845	9.91035E-06	21.48633003	23.39435196	0.274857819	0.019025121	313.5216064	0.025557542	0.069162056	0.000885292	0.003551039	0.00064764	2.201061726	1.00008E-05	0.006812771	0.007293141	0.007427756	0.005536434
2034 Jan	0.020618273	9.91053E-06	21.48001671	23.3896904	0.274837613	0.019025644	313.5365295	0.025555952	0.069170751	0.00088484	0.003550412	0.000647316	2.200911522	1.00009E-05	0.00681134	0.00729381	0.007428121	0.005536031
2034 Feb	0.020618128	9.9107E-06	21.47691345	23.38745499	0.274829149	0.019026058	313.5466003	0.025555532	0.069175765	0.000884613	0.003550114	0.000647154	2.200850487	1.0001E-05	0.006810652	0.00729421	0.007428365	0.005535863
2034 Mar	0.020620426	9.91193E-06	21.47769547	23.38892937	0.27485624	0.019028476	313.5881958	0.02555792	0.069186464	0.000884591	0.003550361	0.00064714	2.201070547	1.00022E-05	0.006811061	0.007295269	0.007429354	0.00553641
2034 Apr	0.02065417	9.92822E-06	21.51192284	23.42656136	0.275304019	0.019059785	314.1051636	0.025599603	0.069301397	0.00088597	0.003556086	0.000648149	2.20465827	1.00187E-05	0.006822007	0.007307347	0.007441604	0.005545429
2034 May	0.020706691	9.98847E-06	21.12988472	23.17964554	0.275041521	0.01918881	316.5678406	0.025597589	0.070289329	0.000855554	0.003524755	0.000626423	2.203480005	1.00734E-05	0.006744534	0.007392596	0.007504225	0.005540443
2034 Jun	0.020190416	9.96774E-06	17.75459862	20.60278893	0.261906296	0.019235784	319.830658	0.024521666	0.073830843	0.000621156	0.003173551	0.000458353	2.104292154	1.00135E-05	0.005957952	0.007643086	0.007602128	0.005277813
2034 Jul	0.021775439	1.03648E-05	23.95715523	25.59475708	0.293064892	0.019858876	321.7818298	0.027185638	0.070689492	0.001029617	0.003867225	0.000751703	2.344187737	1.04768E-05	0.007469692	0.007509056	0.007717781	0.005902307
2034 Aug	0.022858499	1.08778E-05	25.18002129	26.88973999	0.30771023	0.02084084	337.5730896	0.028542595	0.074147277	0.001083168	0.004062464	0.000790766	2.461268663	1.09958E-05	0.00784801	0.007877764	0.008098515	0.006197242
2034 Sep	0.021675967	1.02579E-05	24.59067917	25.99921417	0.293363541	0.019631119	316.6984253	0.027175616	0.068985738	0.001080488	0.003918241	0.000788033	2.345020771	1.03791E-05	0.007596872	0.007361344	0.007608188	0.005907815
2034 Oct	0.021000683	9.95001E-06	23.67922401	25.0872364	0.283903837	0.019046353	307.4758911	0.026306661	0.067106761	0.001035953	0.003782736	0.000755703	2.269706964	1.00655E-05	0.007328643	0.007154202	0.00738571	0.005717413
2034 Nov	0.021070337	9.95879E-06	24.05999756	25.38253975	0.285511613	0.019053778	307.0932617	0.026440358	0.066767618	0.001061996	0.003823222	0.000774385	2.28192997	1.00786E-05	0.007418567	0.007131795	0.007379967	0.005749585
2034 Dec	0.021073116	9.96073E-06	24.05526161	25.38033485	0.285531819	0.019057751	307.1704712	0.026442628	0.066791132	0.001061545	0.003822995	0.000774064	2.282108068	1.00805E-05	0.007417828	0.007133943	0.007381732	0.005749998
2035 Jan	0.021073703	9.9609E-06	24.0573082	25.38200951	0.285542816	0.019058026	307.1711426	0.026443578	0.066790432	0.001061677	0.003823229	0.000774159	2.282193184	1.00806E-05	0.007418334	0.007133932	0.0073818	0.005750218
2035 Feb	0.021073403	9.96121E-06	24.05138397	25.37772942	0.285526425	0.019058783	307.1921692	0.026442342	0.066799857	0.001061245	0.003822658	0.000773849	2.282073975	1.00809E-05	0.007417017	0.007134682	0.007382253	0.005749892
2035 Mar	0.021075031	9.96226E-06	24.04971886	25.37722015	0.28554073	0.019060906	307.2322388	0.026443845	0.066811562	0.001061063	0.003822628	0.000773721	2.282195568	1.00819E-05	0.007416825	0.007135771	0.007383176	0.005750183
2035 Apr	0.021111164	9.9795E-06	24.0889473	25.41932106	0.286025882	0.019093955	307.76828	0.026488872	0.066929832	0.001062732	0.003828997	0.00077494	2.286077023	1.00993E-05	0.007429106	0.007148311	0.007396034	0.005759953
2035 May	0.021222597	1.00564E-05	23.91389084	25.34141731	0.286869586	0.019250482	310.710022	0.026582252	0.067844786	0.001045737	0.00382127	0.000762856	2.293449163	1.01729E-05	0.007402707	0.007232174	0.007465311	0.005777149
2035 Jun	0.019855911	9.93028E-06	15.86733246	19.14347076	0.254056096	0.01921095	320.741333	0.023870597	0.075568542	0.000491699	0.002973699	0.000365495	2.044681072	9.95449E-06	0.005513365	0.007759642	0.007635579	0.005120745
2035 Jul	0.020780224	1.03396E-05	17.26638985	20.49807167	0.267338127	0.019983422	331.8436279	0.025083279	0.07785891	0.000563988	0.003173179	0.000417855	2.150122166	1.03736E-05	0.0059134	0.008020051	0.007924945	0.005387985
2035 Aug	0.021321582	1.03355E-05	21.12853622	23.42670059	0.281823128	0.01987461	323.0929565	0.026261089	0.073545255	0.000833925	0.003571294	0.00061137	2.259144783	1.04148E-05	0.006808296	0.007708106	0.00778998	0.005677486
2035 Sep	0.021271542	1.00838E-05	23.91616631	25.36275673	0.28741467	0.019304635	307.8808289	0.026635434	0.068099529	0.001044193	0.003825195	0.000761785	2.297917128	1.01999E-05	0.0074083	0.007256925	0.00748782	0.005788161
2035 Oct	0.020959338	1.00037E-05	22.7180481	24.39604759	0.281329334	0.019177547	307.657959	0.026114335	0.0686744	0.000965504	0.003690744	0.000705267	2.251031399	1.01071E-05	0.007115656	0.007279721	0.007462677	0.005666186
2035 Nov	0.020874852	9.93926E-06	22.92756271	24.50900078	0.280858874	0.019044707	304.8894958	0.026055338	0.067837983	0.000984134	0.0037037	0.000718539	2.246634722	1.00461E-05	0.007152343	0.007204416	0.007402469	0.005656505
2035 Dec	0.02087648	9.94113E-06	22.91577911	24.50138664	0.280850857	0.019048696	304.9821777	0.026055284	0.067868501	0.000983195	0.003702735	0.000717869	2.246599197	1.00478E-05	0.007149954	0.00720705	0.007404404	0.005656353
2036 Jan	0.020875147	9.94126E-06	22.90471458	24.49308586	0.280811757	0.01904925	305.0113831	0.026052143	0.067882009	0.000982414	0.00370161	0.000717309	2.246306419	1.00478E-05	0.007147413	0.007208055	0.007404891	0.005655572
2036 Feb	0.020874189	9.94135E-06	22.89690208	24.48721695	0.280783981	0.019049622	305.0317383	0.026049908	0.067891464	0.000981864	0.003700816	0.000716914	2.24609828	1.00478E-05	0.007145617	0.007208757	0.007405228	0.005655017
2036 Mar	0.020873772	9.94144E-06	22.89278603	24.48416138	0.280770332	0.019049918	305.04422	0.026048826	0.06789691	0.00098157	0.003700403	0.000716704	2.245996952	1.00478E-05	0.00714468	0.007209171	0.007405447	0.005654744
2036 Apr	0.020922316	9.96046E-06	22.99712181	24.5769577	0.281535864	0.019084794	305.4581604	0.026117258	0.067959845	0.000987675	0.003713733	0.000721105	2.252013922	1.00678E-05	0.007172389	0.007218137	0.007417556	0.005670128
2036 May	0.021094404	1.00357E-05	23.26918793	24.83728981	0.284034252	0.019226477	307.4584656	0.026344815	0.068364725	0.001002001	0.003751943	0.000731474	2.271824837	1.0145E-05	0.007249383	0.00726485	0.007470271	0.005720389
2036 Jun	0.020093473	9.98264E-06	16.88623238	19.95430565	0.258922845	0.019287871	319.2575684	0.024283586	0.074931808	0.000559596	0.003085919	0.000414239	2.082022905	1.00179E-05	0.005759323	0.007725928	0.007643981	0.005218246
2036 Jul	0.020677451	1.02639E-05	17.48748016	20.61177063	0.266691446	0.019828057	327.4284973	0.02500632	0.076904222	0.000584124	0.003185818	0.000432191	2.144249439	1.03017E-05	0.005950694	0.007933603	0.007855085	0.005374732
2036 Aug	0.021924835	1.07359E-05	20.37892723	23.14396667	0.286827236	0.020685455	337.1537781	0.026797051	0.078130297	0.000756733	0.003547778	0.000556554	2.302131891	1.07999E-05	0.006708393	0.008131867	0.008145197	0.005779231
2036 Sep	0.021913761	1.0315E-05	25.55193138	26.76968956	0.298105806	0.019718936	308.6953735	0.02758	0.068457387	0.001144064	0.004025149	0.000833687	2.3814888	1.04465E-05	0.00783034	0.007336549	0.007622467	0.006002849
2036 Oct	0.021076849	1.00205E-05	23.33585548	24.87699509	0.283987522	0.019194607	303.6699829	0.026336111	0.068147935	0.001007602	0.003756774	0.00073547	2.271270514	1.01308E-05	0.007262029	0.007245672	0.007455446	0.005719388
2036 Nov	0.021202786	9.9937E-06	24.55664063	25.78448105	0.288067549	0.019109841	299.5840759	0.026659638	0.066545382	0.001094508	0.003879185	0.000797739	2.301640034	1.01188E-05	0.00754019	0.007123902	0.007391799	0.005800823
2036 Dec	0.021202441	9.98193E-06	24.70107269	25.88569832	0.288382053	0.019082814	298.7889099	0.026681459	0.06627512	0.001105324	0.00389251	0.000805477	2.30385232	1.01089E-05	0.007571511	0.007101678	0.007377187	0.005807058
2037 Jan	0.021199076	9.98227E-06	24.6732254	25.8647995	0.288283527	0.019084198	298.8720093	0.026673546	0.066309065	0.001103359	0.003889681	0.000804069	2.303114891	1.01089E-05	0.007565115	0.007104203	0.00737841	0.005805091
2037 Feb	0.021197995	9.98286E-06	24.65820694	25.85382462	0.288238525	0.019085765	298.9318848	0.026670072	0.06633126	0.001102273	0.00388821	0.000803292	2.302783728	1.01093E-05	0.007561742	0.007105942	0.00737941	0.005804194
2037 Mar	0.021208154	9.98821E-06	24.66290092	25.86121559	0.288360953	0.019096224	299.1139832	0.026681758	0.066376284	0.001102269	0.003889415	0.000803295	2.303776503	1.01146E-05	0.007563819	0.007110434	0.007383659	0.005806664
2037 Apr	0.021238942	1.0003E-05	24.69486618	25.89606476	0.288771123	0.019124657	299.5691833	0.026719905	0.066479787	0.001103582	0.003894707	0.000804256	2.307061672	1.01296E-05	0.007573966	0.007121343	0.007394763	0.005814926
2037 May	0.020610031	1.08612E-05	21.20264435	23.27569389	0.274002135	0.018958773	309.2790527	0.025537355	0.069057934	0.000827127	0.003540245	0.000643474	2.190136433	9.95782E-06	0.00673792	0.007287551	0.007417142	0.005651199
2037 Jun	0.019665647	1.48062E-05	19.43609238	22.0453701	0.259069741	0.017725876	315.61026	0.024399538	0.064627014	0.000554925	0.003380089	0.000622133	2.050586939	9.28693E-06	0.006198655	0.006866735	0.006993019	0.005963527
2037 Jul	0.02013197	2.01995E-05	23.77874184	25.773983	0.273003787	0.016805712	321.5278015	0.025763486	0.055590227	0.000644705	0.003911453	0.000906613	2.126695156	8.91902E-06	0.007117596	0.006182442	0.006570197	0.007015457
2037 Aug	0.019859554	2.51195E-05	27.36958313	28.66653442	0.277146518	0.015214225	316.2330017	0.026210396	0.044115264	0.000708781	0.004315238	0.001167501	2.124939442	8.19875E-06	0.007797903	0.005239659	0.005883821	0.007853634
2037 Sep	0.019363761	2.66915E-05	28.06840515	29.12866974	0.272943854	0.014310007	309.4246216	0.025849938	0.038997643	0.000702241	0.004375133	0.001239067	2.079200029	7.75995E-06	0.00787274	0.004788027	0.005512237	0.008037657
2037 Oct	0.018816186	2.41712E-05	26.04158974	27.27183533	0.262773991	0.014350282	300.3927002	0.024863681	0.041354991	0.000664586	0.004105251	0.001116449	2.012677908	7.73737E-06	0.007407059	0.00492952	0.00554948	0.00749845
2037 Nov	0.018806107	2.3907E-05	25.8160305	27.084589	0.262205184	0.014412913	300.3922729	0.024808381	0.041894205	0.00065911	0.004078862	0.00110142	2.009956598	7.76384E-06	0.007360698	0.004971935	0.005577713	0.007448067
2037 Dec	0.018825784	2.38786E-05	25.87896538	27.1335907	0.262565881	0.01442726	300.2984619	0.024838077	0.041902922	0.000664504	0.004085579	0.00110391	2.012927294	7.77264E-06	0.007376866	0.004974056	0.005581844	0.007450438
2038 Jan	0.018827293	2.38679E-05	25.872509	27.128582	0.262570024	0.01443154	300.3193359	0.024838287	0.041930467	0.000664449	0.004084888	0.001103388	2.013037682	7.77465E-06	0.007375781	0.004976389	0.005583642	0.007448825
2038 Feb	0.018827906	2.38629E-05	25.86825371	27.12533188	0.262568235	0.014433675	300.3340759	0.024838096	0.041945193	0.000664337	0.004084443	0.00110308	2.013062239	7.77562E-06	0.007374997	0.004977624	0.005584565	0.007447986
2038 Mar	0.018830087	2.38625E-05	25.86847115	27.1262188	0.262593001	0.014436254	300.3715515	0.024840428	0.041957337	0.000664341	0.004084601	0.00110302	2.013272762	7.77692E-06	0.007375292	0.004978786	0.005585617	0.007448259
2038 Apr	0.018856069	2.38936E-05	25.90258408	27.16236496	0.262952119	0.014456688	300.7875366	0.024874389	0.042019371	0.000665216	0.004090058	0.001104435	2.016037941	7.78787E-06	0.007385151	0.004985988	0.005593554	0.007458201
2038 May	0.018863061	2.38679E-05	25.16713142	26.64110374	0.261421055	0.014610475	304.8312073	0.024765799	0.043478765	0.000613496	0.004021072	0.001063877	2.005789518	7.84653E-06	0.007227379	0.005106051	0.005673702	0.007415357
2038 Jun	0.018350931	2.4872E-05	22.29829025	24.5170002	0.249295935	0.014444639	314.89151	0.023809683	0.045434728	0.00037439	0.003735344	0.000935119	1.908326864	7.6898E-06	0.006537118	0.005230801	0.00568309	0.007322913
2038 Jul	0.01924629	2.76749E-05	24.91135406	26.93750763	0.264576167	0.014668434	327.8437195	0.025266124	0.043744434	0.000438399	0.004088114	0.001082183	2.014635086	7.8579E-06	0.007164545	0.005171819	0.005743752	0.007983732
2038 Aug	0.018253066	3.34243E-05	27.92729759	29.24300385	0.259328753	0.012240523	315.4736023	0.024888646	0.028778337	0.000437194	0.004404585	0.001343639	1.931375742	6.70336E-06	0.007629209	0.00389058	0.004735562	0.008800763
2038 Sep	0.017586999	3.35653E-05	28.27092171	29.26448822	0.252659112	0.011371035	301.6429138	0.024241704	0.024274388	0.000464486	0.004395195	0.001384558	1.873056531	6.27734E-06	0.007627227	0.003470695	0.004371427	0.008742596
2038 Oct	0.017785558	2.99281E-05	26.74779129	27.92728424	0.25204578	0.012324957	299.175415	0.024085384	0.030581821	0.000498168	0.004202663	0.001253385	1.891109467	6.72666E-06	0.007368432	0.003989116	0.00476087	0.008184539
2038 Nov	0.017898839	2.97163E-05	27.06634331	28.17400742	0.254033476	0.012421682	298.5795593	0.024247784	0.030745924	0.000528017	0.004236391	0.001264779	1.907850623	6.78346E-06	0.007452703	0.004010476	0.004790975	0.0081891
2038 Dec	0.017930618	2.96224E-05	27.14044571	28.22929573	0.254562527	0.012455797	298.3589172	0.024289733	0.030842697	0.000536676	0.004243826	0.001266745	1.912528753	6.8026E-06	0.007473502	0.004020494	0.004802283	0.008184767
2039 Jan	0.017940231	2.95861E-05	27.15695381	28.2411232	0.254710734	0.012468178	298.2905579	0.024301222	0.030888179	0.000539186	0.004245385	0.001266927	1.913903236	6.8093E-06	0.007478621	0.004024824	0.004806607	0.008182044
2039 Feb	0.01794509	2.95674E-05	27.16517258	28.24697876	0.254785448	0.012474509	298.2520447	0.024306996	0.030911662	0.000540462	0.004246154	0.001267007	1.914598703	6.81272E-06	0.007481188	0.004027051	0.00480882	0.008180606
2039 Mar	0.017957384	2.95734E-05	27.18401337	28.26520157	0.254962534	0.01248468	298.3938904	0.024323178	0.030941373	0.00054142	0.004248838	0.001267722	1.916001558	6.8182E-06	0.007486552	0.004030455	0.004812627	0.008184242
2039 Apr	0.017994888	2.96303E-05	27.23777199	28.32165909	0.255489111	0.012511905	299.0144348	0.024373334	0.031014791	0.000542529	0.004257345	0.001270149	1.91998744	6.833E-06	0.007501599	0.004039575	0.00482317	0.008200498
2039 May	0.018133884	3.0121E-05	27.49449921	28.59684563	0.257526755	0.012569017	302.1200256	0.024578093	0.031001778	0.00053958	0.004299096	0.001285515	1.933909416	6.86642E-06	0.007566091	0.004051073	0.004845853	0.008302626
2039 Jun	0.017684625	2.85748E-05	24.44589043	26.1379261	0.246070355	0.012809763	304.5133972	0.023570471	0.03525399	0.000388642	0.003956656	0.001115502	1.855288148	6.91576E-06	0.006877744	0.00435916	0.004999698	0.007856491

Appendix D.2-28: TIRI03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Jul	0.017663568	2.97557E-05	24.24593735	26.0950222	0.245229363	0.012685899	310.1747437	0.023558535	0.034776781	0.000327441	0.003956877	0.001118936	1.843061566	6.84549E-06	0.006816575	0.004322923	0.004965906	0.008005906
2039 Aug	0.018801268	2.59519E-05	24.38707924	26.2538414	0.258726567	0.014445592	314.5576172	0.02465179	0.043312982	0.000475212	0.003979752	0.001047438	1.975470185	7.73876E-06	0.007024388	0.00509565	0.005646129	0.007652064
2039 Sep	0.0182306	3.00631E-05	27.32669067	28.50675774	0.258242071	0.012722497	303.5939941	0.024652258	0.03190434	0.000528671	0.00428875	0.001272719	1.940833807	6.93906E-06	0.007541399	0.004132274	0.004912281	0.008299423
2039 Oct	0.017920326	3.03372E-05	27.60040665	28.61609459	0.255354553	0.012271126	297.3087769	0.024376031	0.029458735	0.000541201	0.004298635	0.001300381	1.914098978	6.71967E-06	0.007562273	0.003908987	0.004723149	0.008307397
2039 Nov	0.018073795	3.00809E-05	28.05957222	28.97267151	0.258103549	0.012393233	296.3435669	0.024601443	0.029609127	0.000582391	0.004347448	0.001317675	1.937005997	6.79275E-06	0.007681995	0.003932145	0.00475994	0.008319334
2039 Dec	0.01809624	3.00363E-05	28.10736084	29.01045227	0.258464128	0.012415677	296.2884827	0.024631128	0.029672559	0.000587313	0.004352647	0.001319067	1.940108776	6.80527E-06	0.007695416	0.003938901	0.004767584	0.008319032
2040 Jan	0.018104549	3.00059E-05	28.12690926	29.02450562	0.258603692	0.012425244	296.1951904	0.024641918	0.029701188	0.000589823	0.004354506	0.001319523	1.941370368	6.81062E-06	0.007700969	0.003941772	0.004770741	0.008317102
2040 Feb	0.018110804	2.99883E-05	28.14465332	29.03769875	0.258714616	0.012431256	296.125061	0.024650697	0.029713714	0.000591722	0.00435628	0.001320091	1.942333937	6.81411E-06	0.007705735	0.003943212	0.004772611	0.008316531
2040 Mar	0.018125681	2.99967E-05	28.17304039	29.06382942	0.258941025	0.012442335	296.2649231	0.024671201	0.029738216	0.000593231	0.004360074	0.001321275	1.944107771	6.82032E-06	0.007713418	0.003946397	0.004776595	0.008321412
2040 Apr	0.018168505	3.00545E-05	28.24622345	29.13601494	0.259569168	0.012471967	296.8667297	0.024730064	0.029804001	0.000595628	0.00437077	0.001324606	1.948880434	6.83676E-06	0.007733244	0.003955304	0.004787685	0.008339629
2040 May	0.018393748	2.92637E-05	27.66389084	28.73139763	0.260908753	0.012943025	301.1775818	0.024849674	0.032682516	0.000582693	0.004317388	0.001276786	1.966145635	7.05987E-06	0.007643037	0.004205565	0.004986658	0.008230916
2040 Jun	0.017323107	3.04785E-05	23.54683495	25.54440498	0.239809424	0.01233507	310.9729919	0.023113919	0.03373646	0.000252776	0.003881232	0.001099757	1.796103239	6.6509E-06	0.006617967	0.004214211	0.00484558	0.008018306
2040 Jul	0.018151004	3.29346E-05	28.06841278	29.26298904	0.258573681	0.012149796	308.975708	0.024785316	0.028239781	0.000468126	0.004402624	0.001348806	1.926904798	6.663E-06	0.007654781	0.003836717	0.004689777	0.00872593
2040 Aug	0.018033396	3.4824E-05	30.23607063	30.92837715	0.261749387	0.011370436	301.4565125	0.025066597	0.02225434	0.000549365	0.004630828	0.001492338	1.936873317	6.32194E-06	0.008084979	0.003344258	0.004338605	0.009089148
2040 Sep	0.017890284	3.33602E-05	29.97947884	30.5642662	0.259805143	0.011421939	294.0355835	0.02482317	0.022853594	0.000591222	0.004572028	0.001465842	1.928530931	6.34563E-06	0.008032927	0.003376789	0.004350306	0.008851775
2040 Oct	0.017961118	3.15617E-05	28.61746216	29.46174622	0.257862985	0.011979335	296.0568237	0.024621617	0.026980264	0.000564622	0.004417889	0.001368674	1.92572701	6.59553E-06	0.007770362	0.003713638	0.00459234	0.008538509
2040 Nov	0.018086877	3.12375E-05	28.88446617	29.66620445	0.259892374	0.012113894	295.3610229	0.024785202	0.027383637	0.000595113	0.004445667	0.001375574	1.943554997	6.67028E-06	0.007846374	0.003755141	0.004638021	0.008526495
2040 Dec	0.018111322	3.11756E-05	28.95224571	29.71730232	0.260321498	0.012136845	295.1318665	0.024819523	0.027431043	0.000602133	0.004452575	0.001377792	1.947252393	6.6836E-06	0.007864567	0.003760671	0.004645223	0.008525182
2041 Jan	0.018122455	3.11424E-05	28.98210907	29.73940659	0.260515451	0.01214808	295.0081787	0.024834819	0.027457718	0.000605459	0.00445554	0.00137869	1.948952079	6.69004E-06	0.007872701	0.003763588	0.004648795	0.008523831
2041 Feb	0.018127576	3.11282E-05	28.99309158	29.74772263	0.260598481	0.012153652	294.971283	0.024841461	0.027474541	0.000606748	0.004456664	0.001378965	1.949685693	6.69314E-06	0.007875833	0.003765307	0.00465068	0.008523212
2041 Mar	0.018138692	3.11326E-05	29.01418686	29.76699638	0.260767639	0.01216217	295.0657654	0.024856698	0.027494237	0.000607942	0.004459456	0.001379822	1.951020956	6.6979E-06	0.007881572	0.003767794	0.004653738	0.008526593
2041 Apr	0.018168258	3.11715E-05	29.06632996	29.81788635	0.261205018	0.012182438	295.4627991	0.024897551	0.027537225	0.000609754	0.004466975	0.001382198	1.954346657	6.70919E-06	0.007895623	0.00377374	0.004661267	0.008539115
2041 May	0.018637899	3.05348E-05	30.84532166	31.18740654	0.270415992	0.012466462	289.0245056	0.025651064	0.027191477	0.000756689	0.004653974	0.001457181	2.029167414	6.89688E-06	0.008340822	0.003779106	0.004729816	0.008616526
2041 Jun	0.018367175	2.5377E-05	25.02064133	26.4982357	0.255373001	0.013877321	289.5235901	0.024270732	0.040013622	0.00054895	0.004000559	0.00108869	1.947711468	7.47242E-06	0.007120412	0.004789621	0.005391542	0.00754432
2041 Jul	0.017491549	2.73459E-05	23.26571465	25.12254143	0.241512373	0.012953874	286.0359192	0.023137858	0.037186995	0.000355619	0.003811946	0.001042981	1.826915383	6.96215E-06	0.006617471	0.004498065	0.005073531	0.007593766
2041 Aug	0.017718401	2.81164E-05	24.0093174	25.79906082	0.245554	0.012987727	288.1151123	0.023521759	0.036565237	0.000375264	0.003910018	0.001085381	1.854706526	6.99517E-06	0.006793257	0.00446749	0.005078238	0.007774021
2041 Sep	0.017780004	2.86718E-05	24.67637253	26.34369087	0.247621909	0.012866394	286.6963196	0.023711015	0.035291623	0.00040008	0.003986265	0.001126228	1.867128134	6.94945E-06	0.006936904	0.004369952	0.005018634	0.007896367
2041 Oct	0.017776355	2.87854E-05	24.92466545	26.52865791	0.24810949	0.012800716	285.249176	0.023750011	0.034725908	0.000413369	0.004011279	0.001141175	1.869823933	6.92247E-06	0.006988637	0.004323734	0.004987026	0.007925163
2041 Nov	0.017808944	2.8771E-05	25.00723648	26.59739113	0.248654768	0.012824871	285.285614	0.023796953	0.034761269	0.000419449	0.004020935	0.001144497	1.874218225	6.93661E-06	0.007010305	0.004329084	0.00499488	0.007932418
2041 Dec	0.017815288	2.87654E-05	25.02644348	26.61273766	0.248768196	0.012829298	285.2640686	0.023806479	0.034763962	0.000420971	0.004023059	0.001145282	1.875138283	6.93932E-06	0.007015238	0.004329772	0.004996193	0.007933606
2042 Jan	0.017817067	2.87631E-05	25.03084373	26.61627388	0.248797968	0.012830817	285.2616882	0.023808971	0.034767061	0.000421356	0.004023549	0.001145439	1.875386	6.94019E-06	0.007016418	0.004330154	0.00499669	0.007933784
2042 Feb	0.017817643	2.87618E-05	25.03211784	26.6172657	0.248807341	0.012831397	285.2597961	0.023809737	0.034768675	0.000421491	0.004023685	0.001145476	1.875467062	6.94051E-06	0.007016774	0.004330325	0.004996886	0.007933762
2042 Mar	0.017820282	2.87643E-05	25.03668976	26.62166214	0.248846337	0.012833339	285.2898865	0.023813337	0.034773294	0.000421686	0.004024332	0.001145672	1.875768781	6.94159E-06	0.007018023	0.004330916	0.004997604	0.007934739
2042 Apr	0.017845595	2.87994E-05	25.07774925	26.66286087	0.249212697	0.01285117	285.6377258	0.02384782	0.034815777	0.000422907	0.004030465	0.001147533	1.878551006	6.9514E-06	0.007029255	0.004336481	0.00500435	0.00794552
2042 May	0.017942816	2.88822E-05	25.19796753	26.78982162	0.250544965	0.012932999	286.8652344	0.02397256	0.035083164	0.000426993	0.004049606	0.001152034	1.88899231	6.99499E-06	0.007064986	0.004366193	0.005036074	0.007977657
2042 Jun	0.017809622	2.811E-05	24.20959282	25.97263718	0.247007877	0.013057362	284.6599121	0.023649523	0.036701843	0.00038872	0.003934734	0.001093394	1.866334915	7.03491E-06	0.006846794	0.004485682	0.005102135	0.00779733
2042 Jul	0.017679404	2.81895E-05	23.97330093	25.76635933	0.245031178	0.012940128	280.7407532	0.023477387	0.03636802	0.000370252	0.003905321	0.001085471	1.850049853	6.9703E-06	0.006780155	0.004448603	0.005060276	0.007776519
2042 Aug	0.017588859	2.84591E-05	24.23813057	25.94645691	0.244566962	0.01275045	276.058075	0.023432411	0.035182495	0.000379582	0.00392883	0.001105809	1.843868136	6.88135E-06	0.006823698	0.00434549	0.004978932	0.007815219
2042 Sep	0.017573658	2.84822E-05	24.35231209	26.02412415	0.244645089	0.012707683	274.1859131	0.023434987	0.034864299	0.000387026	0.003938936	0.001112763	1.844015241	6.86276E-06	0.006846365	0.004318327	0.004958921	0.007822464
2042 Oct	0.017536076	2.8454E-05	24.39758873	26.04044151	0.244330674	0.012657817	272.6312561	0.023401264	0.034583371	0.000391861	0.003940213	0.001116063	1.841335416	6.83906E-06	0.006852323	0.004292301	0.004937057	0.007815605
2042 Nov	0.017563405	2.84652E-05	24.46060753	26.09575844	0.244770959	0.012676569	272.7775574	0.023440473	0.034610346	0.000395587	0.003948126	0.001118779	1.844784379	6.84995E-06	0.006868842	0.004296657	0.004943416	0.007824562
2042 Dec	0.01756705	2.84645E-05	24.47010231	26.10371017	0.244832397	0.012679116	272.783844	0.023445794	0.034613244	0.000396249	0.003949245	0.001119175	1.84527421	6.85146E-06	0.006871309	0.004297173	0.004944234	0.007825512
2043 Jan	0.01756807	2.8463E-05	24.47339821	26.10627747	0.244851202	0.012679853	272.7773132	0.023447342	0.034613628	0.000396531	0.003949597	0.001119307	1.845428824	6.85191E-06	0.006872155	0.004297277	0.004944445	0.00782564
2043 Feb	0.017568354	2.84627E-05	24.47384071	26.10666466	0.244855359	0.012680134	272.7789917	0.023447702	0.034614563	0.00039657	0.003949652	0.001119319	1.845463753	6.85207E-06	0.006872285	0.004297375	0.004944548	0.007825665
2043 Mar	0.017569557	2.84644E-05	24.47537613	26.10832787	0.244871825	0.01268106	272.7977905	0.023449274	0.034617357	0.000396597	0.003949905	0.001119385	1.845589519	6.85256E-06	0.006872728	0.004297703	0.00494491	0.007826158
2043 Apr	0.017595123	2.85057E-05	24.51091385	26.14625359	0.245228007	0.012699543	273.1947632	0.023483379	0.034667961	0.000397175	0.003955643	0.001121008	1.848274827	6.86255E-06	0.006882715	0.004303975	0.004952118	0.007837522
2043 May	0.017703366	2.86161E-05	24.61740112	26.26984787	0.246648759	0.012793831	274.8312988	0.02361862	0.035006501	0.000399039	0.0039747	0.00112474	1.859376907	6.91193E-06	0.006916344	0.004340472	0.004989578	0.00787432
2043 Jun	0.017597694	2.77098E-05	23.7777977	25.55576706	0.243762881	0.01293751	272.9121399	0.023343295	0.036580645	0.00037643	0.003873294	0.001071797	1.842367768	6.96557E-06	0.006735141	0.004457917	0.005058692	0.007687569
2043 Jul	0.017775305	2.81141E-05	24.09978104	25.8830471	0.246385112	0.013037654	274.3399658	0.023596121	0.036715217	0.000381124	0.00392223	0.001088522	1.861431718	7.02234E-06	0.006819185	0.004484153	0.005096635	0.0077869
2043 Aug	0.017941941	2.85348E-05	24.47880554	26.24837875	0.249008089	0.013111872	275.4486389	0.023846831	0.036668681	0.000389384	0.003976076	0.001108882	1.880221486	7.06753E-06	0.00691411	0.004494762	0.005122758	0.007890038
2043 Sep	0.017957449	2.86706E-05	24.6972065	26.42090988	0.249639343	0.013072014	273.7941284	0.023902232	0.036254235	0.000399405	0.003999937	0.001121866	1.884132504	7.05263E-06	0.00696123	0.004462501	0.005102701	0.00792305
2043 Oct	0.017960364	2.85182E-05	24.73080635	26.43204689	0.249767765	0.013086719	272.7304382	0.023905205	0.036302041	0.000407858	0.004000654	0.001121842	1.885846257	7.06125E-06	0.006970831	0.004466064	0.005106354	0.007904226
2043 Nov	0.017952267	2.8332E-05	24.65222359	26.35671425	0.249532044	0.013114113	272.3364258	0.023877753	0.036523044	0.000409769	0.003989531	0.001115657	1.885044336	7.07354E-06	0.006955412	0.004482847	0.005117488	0.007872971
2043 Dec	0.01795432	2.83317E-05	24.65450668	26.35902977	0.249559909	0.013116132	272.3608704	0.023880277	0.036530472	0.000409919	0.003989876	0.001115714	1.885273695	7.0746E-06	0.006956138	0.004483612	0.005118261	0.007873351
2044 Jan	0.017961886	2.83313E-05	24.65485764	26.3594265	0.24956736	0.013116444	272.3624268	0.023880616	0.036531966	0.000409978	0.003989914	0.001115718	1.885311127	7.0748E-06	0.006956238	0.00448377	0.005118404	0.007873323
2044 Feb	0.017973347	2.83337E-05	24.65706253	26.36183357	0.24959299	0.013117484	272.3830261	0.023882607	0.036535043	0.000410052	0.00399025	0.001115817	1.885472655	7.07541E-06	0.00695683	0.004484165	0.005118842	0.00787394
2044 Mar	0.017982382	2.83395E-05	24.66204834	26.36722755	0.249645904	0.013120114	272.4377441	0.023887426	0.036542557	0.000410148	0.003991052	0.001116042	1.885854602	7.07686E-06	0.006958224	0.004485093	0.00511989	0.007875516
2044 Apr	0.017994806	2.83544E-05	24.67497063	26.38108063	0.249778092	0.013126978	272.5803223	0.023899939	0.03656178	0.00041037	0.003993141	0.001116627	1.886843324	7.08058E-06	0.006961863	0.004487455	0.005122579	0.007879635
2044 May	0.018153295	2.84602E-05	24.76195526	26.4742775	0.250663072	0.013169046	273.4589844	0.023981027	0.036675815	0.000412141	0.004007018	0.0011207	1.893207312	7.10422E-06	0.006985818	0.004501937	0.005139684	0.007907054
2044 Jun	0.022091923	2.30373E-05	19.32921982	20.67421341	0.193029657	0.009851355	205.9627991	0.018431213	0.027926357	0.000328094	0.003101764	0.00088832	1.445123434	5.76954E-06	0.005369581	0.003370694	0.004080558	0.006128775
2044 Jul	0.019948538	1.52147E-05	12.67100525	13.58612251	0.12361107	0.006213016	131.0402374	0.011908887	0.018933598	0.000225321	0.001991141	0.00058755	0.925676286	4.36632E-06	0.003432164	0.00213303	0.002869244	0.003926563
2044 Aug	0.017730836	1.04121E-05	8.774202347	9.455338478	0.083539605	0.004167409	88.76171875	0.008118603	0.014006938	0.000162292	0.001339906	0.000407811	0.628314137	3.59123E-06	0.002303069	0.001440325	0.002184444	0.002628803
2044 Sep	0.016330454	8.14002E-06	6.940311909	7.498275757	0.064115614	0.003158211	67.89330292	0.006263116	0.011483312	0.000130245	0.001028716	0.000323509	0.484870791	3.19254E-06	0.001763487	0.001090041	0.001839114	0.00200992
2044 Oct	0.015931651	7.35598E-06	6.32460165	6.836487293	0.057502668	0.002817622	60.79488373	0.005633609	0.010673952	0.000122021	0.000923003	0.000294798	0.436369926	3.05844E-06	0.00158099	0.000971892	0.001722595	0.001797753
2044 Nov	0.015971787	7.36729E-06	6.335458279	6.846367359	0.057569694	0.002819365	60.80276108	0.005639737	0.010673157	0.000122452	0.00092438	0.000295348	0.436859995	3.05932E-06	0.001583677	0.000971945	0.001723119	0.001799862
2044 Dec	0.01597351	7.3676E-06	6.336935997	6.847632885	0.057578925	0.002819696	60.80399323	0.005640551	0.010673403	0.000122543	0.000924556	0.000295414	0.436931908	3.05954E-06	0.001584052	0.000971997	0.001723235	0.001800046
2045 Jan	0.015974851	7.36763E-06	6.337194443	6.847853661	0.057580825	0.002819739	60.80364609	0.005640672	0.010673395	0.000122563	0.000924584	0.000295425	0.436943531	3.05957E-06	0.001584115	0.000972004	0.001723247	0.001800066
2045 Feb	0.015976163	7.36765E-06	6.337231159	6.84789896	0.057581648	0.00281974	60.80351639	0.005640687	0.010673411	0.000122569	0.000924588	0.000295427	0.436945379	3.05957E-06	0.001584122	0.000972009	0.00172325	0.001800065
2045 Mar	0.015977899	7.36813E-06	6.337634563	6.848343849	0.057585653	0.002819917	60.80735016	0.005641046	0.010674107	0.000122579	0.000924646	0.000295446	0.436973363	3.05977E-06	0.001584221	0.000972074	0.001723361	0.001800178
2045 Apr	0.015981995	7.36983E-06	6.339095592	6.849927425	0.05759912	0.002820566	60.82134628	0.005642346	0.010676578	0.000122608	0.000924859	0.000295514	0.437074184	3.06047E-06	0.001584586	0.0009723	0.001723759	0.001800592
2045 May	0.016006088	7.38086E-06	6.348578453	6.860176086	0.057685368	0.002824785	60.91231918	0.005650786	0.010692553	0.000122792	0.000926242	0.000295956	0.437728047	3.06505E-06	0.001586956	0.000973755	0.001726338	0.001803285
2045 Jun	0.016568966	7.26441E-06	6.259179592	6.733106136	0.056134485	0.002708504	57.96804428	0.005498927	0.010300835	0.000127233	0.000907311	0.000293022	0.425157756	3.01599E-06	0.001555459	0.000929952	0.001693763	0.001751083
2045 Jul	0.016695172	6.5906E-06	5.653698444	6.089432716	0.049931247	0.002381895	51.17034912	0.004922867	0.009514351	0.000119336	0.000807885	0.000265917	0.378203183	2.89216E-06	0.001381106	0.000821379	0.001589016	0.001553079
2045 Aug	0.016198287	5.76149E-06	4.983281136	5.386573792	0.043225355	0.002048035	44.34334564	0.004290588	0.008730338	0.000107227	0.000697132	0.000234784	0.328531474	2.76915E-06	0.001189005	0.000709909	0.001476839	0.001334748
2045 Sep	0.015619573	5.15177E-06	4.508441925	4.885909557	0.038332324	0.001803851	39.34868622	0.003820217	0.008147494	9.77461E-05	0.000617109	0.000212402	0.292811364	2.67382E-06	0.001050276	0.0006262	0.001392448	0.00117708
2045 Oct	0.015384354	4.88117E-06	4.309094906	4.673420429	0.036241759	0.001701703	37.24624252	0.003620535	0.007928125	9.51403E-05	0.000582933	0.000202758	0.277737886	2.63501E-06	0.000991407	0.000591411	0.001357504	0.001108675
2045 Nov	0.015388245	4.88227E-06	4.312287807	4.676281452	0.036262967	0.001702517	37.25358963	0.003622462	0.007929514	9.53134E-05	0.000583325	0.000202902	0.277902514	2.63575E-06	0.000992204	0.000591583	0.001357884	0.001109155
2045 Dec	0.015389394	4.88256E-06	4.313558578	4.6773839	0.036271058	0.001702814	37.2552681	0.003623182	0.007929798	9.53885E-05	0.000583478	0.000202959	0.277965516	2.63597E-06	0.000992525	0.000591635	0.001357997	0.001109325
2046 Jan	0.015389978	4.88261E-06	4.313768864	4.677569389	0.036272552	0.001702861	37.25549698	0.003623301	0.007929853	9.54019E-05	0.000583503	0.000202968	0.277975976	2.63601E-06	0.000992577	0.000591645	0.001358016	0.001109351
2046 Feb	0.015390553	4.88266E-06	4.313802242	4.677611828	0.036273055	0.001702873	37.25576782	0.003623329	0.007929924	9.54037E-05	0.000583507	0.00020297	0.277978271	2.63603E-06	0.000992584	0.000591652	0.001358027	0.001109359

Appendix D.2-28: TIRI03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Mar	0.0153921	4.88308E-06	4.314166069	4.678009033	0.036276229	0.001703016	37.25889587	0.003623634	0.007930598	9.54124E-05	0.000583556	0.000202987	0.278001755	2.63625E-06	0.000992668	0.000591703	0.001358142	0.001109452
2046 Apr	0.015397854	4.88486E-06	4.315899849	4.679848671	0.036290482	0.001703669	37.27246094	0.003625038	0.007933471	9.54582E-05	0.000583788	0.000203068	0.278110653	2.63722E-06	0.000993071	0.000591923	0.001358644	0.001109874
2046 May	0.015436861	4.89307E-06	4.32373333	4.688034058	0.036360089	0.001706148	37.31804657	0.00363094	0.007942673	9.5771E-05	0.00058484	0.000203447	0.278574854	2.64049E-06	0.000994916	0.000592773	0.00136043	0.0011117
2046 Jun	0.015982769	4.92873E-06	4.298401356	4.654107094	0.03600952	0.00166749	36.32962036	0.003590418	0.007810929	9.70316E-05	0.000580976	0.00020307	0.274760008	2.61804E-06	0.000986153	0.000580237	0.001352547	0.001100544
2046 Jul	0.016183367	4.75157E-06	4.08632803	4.430426598	0.033877525	0.001549882	33.86864471	0.003395481	0.007509179	9.34932E-05	0.000547756	0.000194088	0.258173585	2.56605E-06	0.000925996	0.000541651	0.001314516	0.001036993
2046 Aug	0.015931016	4.38698E-06	3.802704096	4.134393692	0.031081894	0.00141476	31.11247635	0.00313288	0.007203308	8.83664E-05	0.000500889	0.000180738	0.237609088	2.5193E-06	0.000845312	0.000496867	0.001269146	0.000944273
2046 Sep	0.015589668	4.08744E-06	3.587315083	3.90535903	0.028836658	0.001305175	28.81877899	0.002915158	0.006938422	8.43071E-05	0.000463949	0.000170345	0.2214549099	2.47432E-06	0.000782385	0.00045852	0.001229175	0.000870133
2046 Oct	0.015480736	3.95585E-06	3.499722481	3.80943346	0.027864175	0.001257753	27.79030609	0.002821406	0.006833824	8.36817E-05	0.000448236	0.000165991	0.214573875	2.45431E-06	0.000756099	0.000441574	0.001211478	0.00083758
2046 Nov	0.0154957	3.95954E-06	3.509172916	3.817603111	0.027923675	0.001259787	27.79633713	0.002826666	0.00683449	8.42192E-05	0.00044939	0.000166424	0.2150307	2.45535E-06	0.000758511	0.000441853	0.001212062	0.00083892
2046 Dec	0.015496927	3.95984E-06	3.510594368	3.818828821	0.027932629	0.001260111	27.79791832	0.00282746	0.006834758	8.43047E-05	0.000449561	0.000166488	0.215100452	2.45558E-06	0.00075887	0.000441908	0.001212182	0.000839105
2047 Jan	0.015497522	3.95988E-06	3.510785818	3.818997622	0.027934004	0.001260153	27.79807854	0.002827566	0.006834801	8.43172E-05	0.000449583	0.000166496	0.215109885	2.45561E-06	0.000758918	0.000441917	0.001212199	0.000839128
2047 Feb	0.015498175	3.95993E-06	3.510822296	3.819043398	0.027934533	0.001260165	27.79834747	0.002827595	0.006834882	8.43193E-05	0.000449588	0.000166498	0.215112254	2.45564E-06	0.000758925	0.000441923	0.001212212	0.000839136
2047 Mar	0.0155008	3.96054E-06	3.511355877	3.819627285	0.027938914	0.001260356	27.80256271	0.002828025	0.006835926	8.43327E-05	0.000449656	0.000166523	0.215145051	2.45601E-06	0.00075904	0.000441992	0.001212396	0.000839263
2047 Apr	0.015503912	3.9613E-06	3.512026548	3.820358515	0.027944323	0.001260597	27.80786705	0.002828565	0.006837235	8.43492E-05	0.000449742	0.000166555	0.215186179	2.45648E-06	0.000759185	0.000442077	0.001212628	0.000839423
2047 May	0.015655726	3.97234E-06	3.522043943	3.831078291	0.028073175	0.001262604	27.82398796	0.002834916	0.006844039	8.53647E-05	0.000451025	0.000167058	0.215731621	2.45859E-06	0.000761461	0.000443207	0.001214295	0.000841064
2047 Jun	0.016490048	3.97924E-06	3.502587557	3.814524412	0.028166978	0.001241991	27.29199982	0.002810793	0.006789215	8.91251E-05	0.000447709	0.000166537	0.213769525	2.4442E-06	0.000754777	0.000439957	0.001208933	0.000831844
2047 Jul	0.01648031	3.82464E-06	3.373439312	3.6798141	0.026902083	0.00118231	26.08622932	0.002699337	0.006677137	8.76179E-05	0.000426733	0.000160543	0.204449207	2.42905E-06	0.000718408	0.00042113	0.001191564	0.000790354
2047 Aug	0.016282775	3.61769E-06	3.213342905	3.513539314	0.025322666	0.001108606	24.60591316	0.002553974	0.006517182	8.42811E-05	0.000400408	0.000152972	0.193022653	2.40654E-06	0.00067304	0.000396789	0.001167719	0.00073864
2047 Sep	0.015994217	3.43524E-06	3.085098743	3.377291441	0.023974251	0.001045273	23.29132652	0.002424745	0.006365575	8.14102E-05	0.000378455	0.000146701	0.183546185	2.38062E-06	0.00063567	0.000374403	0.001144371	0.000694838
2047 Oct	0.015887773	3.35339E-06	3.035894394	3.322125912	0.023397788	0.001017991	22.68499947	0.002369759	0.006304544	8.11782E-05	0.000369381	0.000144187	0.179599792	2.36858E-06	0.00062075	0.000364317	0.001133711	0.000675636
2047 Nov	0.015902037	3.35669E-06	3.042052984	3.327479601	0.023436895	0.001019318	22.68743706	0.002373219	0.006304917	8.15148E-05	0.000370142	0.000144472	0.179898292	2.36908E-06	0.000622335	0.000364486	0.001134033	0.000676554
2047 Dec	0.015902992	3.3569E-06	3.043037176	3.328329325	0.023443086	0.001019541	22.68852806	0.002373768	0.006305121	8.1574E-05	0.000370259	0.000144516	0.179946527	2.36925E-06	0.000622583	0.000364524	0.001134119	0.000676682
2048 Jan	0.015903642	3.35698E-06	3.043353319	3.328608274	0.023445234	0.001019614	22.6889267	0.002373947	0.006305209	8.15934E-05	0.000370297	0.000144533	0.179962218	2.36931E-06	0.000622662	0.000364538	0.00113415	0.000676723
2048 Feb	0.015904389	3.35706E-06	3.043418884	3.328685045	0.02344594	0.001019635	22.68940163	0.002373998	0.006305353	8.15962E-05	0.000370305	0.000144533	0.179966211	2.36936E-06	0.000622674	0.000364548	0.001134175	0.000676737
2048 Mar	0.015904671	3.35708E-06	3.043430567	3.328700542	0.023446139	0.001019638	22.68948174	0.002374007	0.006305382	8.1597E-05	0.000370306	0.000144534	0.179966971	2.36937E-06	0.000622676	0.00036455	0.001134179	0.000676739
2048 Apr	0.015909314	3.35796E-06	3.044229984	3.329574108	0.023452634	0.001019898	22.69506836	0.002374623	0.006306923	8.16207E-05	0.000370404	0.000144572	0.180013984	2.36995E-06	0.000622842	0.000364645	0.001134459	0.000676916
2048 May	0.015926434	3.36151E-06	3.047468185	3.333112717	0.023477739	0.001020977	22.71894264	0.002377141	0.006313553	8.17093E-05	0.000370798	0.000144725	0.180205226	2.37244E-06	0.000623506	0.000365031	0.001135653	0.000677634
2048 Jun	0.016118864	3.36632E-06	3.016463518	3.30045104	0.023218729	0.001004965	22.35677719	0.002352175	0.00627497	8.12196E-05	0.000366984	0.00014345	0.177938759	2.36042E-06	0.000615481	0.000361017	0.001132411	0.000669561
2048 Jul	0.016239537	3.29406E-06	2.928641796	3.208899736	0.022406129	0.000964336	21.51197433	0.002279607	0.006188833	8.00203E-05	0.000353827	0.000139511	0.171681017	2.34222E-06	0.000591673	0.000348914	0.001120422	0.000643601
2048 Aug	0.01610787	3.16018E-06	2.830014944	3.105542898	0.021421758	0.000918398	20.5668602	0.002188871	0.006084269	7.81355E-05	0.000337408	0.00013483	0.164580226	2.32767E-06	0.000563793	0.00033341	0.001104846	0.000610828
2048 Sep	0.015884597	3.03046E-06	2.744712114	3.014859438	0.020524766	0.000877249	19.71805763	0.002102308	0.005988136	7.62706E-05	0.000322639	0.000130574	0.158345059	2.31143E-06	0.00053888	0.00031881	0.001089514	0.000581089
2048 Oct	0.015795058	2.96844E-06	2.707511187	2.973765612	0.02010568	0.000858277	19.3102684	0.00206221	0.005949002	7.60377E-05	0.000315886	0.000128636	0.155498192	2.30284E-06	0.000527748	0.00031192	0.001081924	0.000566979
2048 Nov	0.015810782	2.97029E-06	2.710791588	2.976577044	0.020125939	0.000859005	19.30977058	0.002063962	0.005950063	7.62463E-05	0.000316264	0.00012878	0.155655831	2.30319E-06	0.000528583	0.000312012	0.001082142	0.000567335
2048 Dec	0.015811505	2.97041E-06	2.711054564	2.976817369	0.020127648	0.00085907	19.31034088	0.002064119	0.005950239	7.62606E-05	0.000316295	0.000128792	0.155669138	2.30327E-06	0.000528646	0.000312026	0.001082182	0.000567372
2049 Jan	0.015811939	2.97044E-06	2.711071014	2.976838112	0.020127896	0.000859074	19.31041908	0.002064131	0.005950281	7.62618E-05	0.000316296	0.000128792	0.155670136	2.30328E-06	0.000528649	0.000312029	0.001082188	0.000567374
2049 Feb	0.015812354	2.97046E-06	2.71108222	2.976854324	0.020128155	0.000859077	19.31048584	0.002064139	0.005950312	7.62629E-05	0.000316298	0.000128793	0.155670881	2.30329E-06	0.00052865	0.000312032	0.001082193	0.000567376
2049 Mar	0.015813285	2.9706E-06	2.711209059	2.976996183	0.020129191	0.000859117	19.3113842	0.002064236	0.005950594	7.6267E-05	0.000316312	0.000128799	0.155678242	2.3034E-06	0.000528675	0.000312047	0.001082243	0.000567402
2049 Apr	0.015817225	2.97132E-06	2.711865425	2.977718115	0.020134119	0.000859325	19.3160553	0.002064736	0.005952036	7.62857E-05	0.000316389	0.00012883	0.155715957	2.30396E-06	0.000528802	0.000312123	0.001082505	0.000567539
2049 May	0.015839938	2.9746E-06	2.714763403	2.980928183	0.020158468	0.000860208	19.33516884	0.002066911	0.005958146	7.64004E-05	0.000316729	0.000128968	0.155882582	2.30627E-06	0.00052937	0.000312473	0.001083622	0.000568124
2049 Jun	0.016038042	2.96503E-06	2.681274891	2.945997953	0.019911971	0.000846325	19.03863335	0.002040997	0.005931858	7.62866E-05	0.000312408	0.000127411	0.153689489	2.29499E-06	0.000520913	0.000309552	0.001080698	0.000558305
2049 Jul	0.016093412	2.89547E-06	2.61485672	2.876366138	0.019302821	0.000817757	18.45584488	0.001986814	0.005876144	7.57341E-05	0.000302216	0.000124307	0.149086133	2.28301E-06	0.000503084	0.000301107	0.001071791	0.000537577
2049 Aug	0.016003842	2.79935E-06	2.544149399	2.803892612	0.018609259	0.000786237	17.84412003	0.001923663	0.005816602	7.42032E-05	0.000290418	0.000120939	0.144108593	2.27788E-06	0.000482819	0.00029086	0.001062888	0.000514484
2049 Sep	0.015822969	2.70135E-06	2.480933189	2.736932516	0.017949734	0.000756609	17.2413044	0.001859733	0.00574807	7.27446E-05	0.000279474	0.000117749	0.139559135	2.26584E-06	0.000464419	0.000280321	0.001051511	0.00049252
2049 Oct	0.015752902	2.65583E-06	2.454893351	2.707878351	0.017649997	0.000743225	16.9503746	0.001830917	0.005720521	7.2636E-05	0.000274657	0.000116366	0.13755092	2.25936E-06	0.000456576	0.000275351	0.001045854	0.000482374
2049 Nov	0.015761502	2.65718E-06	2.460846424	2.712936878	0.017686924	0.000744544	16.95369148	0.001834146	0.005721293	7.30094E-05	0.000275363	0.00011663	0.137838855	2.26012E-06	0.000458094	0.000275545	0.00104626	0.000483092
2049 Dec	0.015762342	2.65735E-06	2.461562157	2.713560343	0.01769143	0.000744707	16.95458794	0.001834549	0.005721493	7.30519E-05	0.000275448	0.000116662	0.137873977	2.26026E-06	0.000458272	0.000275573	0.001046331	0.000483185
2050 Jan	0.015762767	2.65738E-06	2.461623907	2.713620901	0.017691934	0.000744722	16.95475197	0.001834587	0.005721555	7.30555E-05	0.000275455	0.000116665	0.137877196	2.26029E-06	0.000458286	0.000275578	0.001046344	0.000483194
2050 Feb	0.015763098	2.6574E-06	2.461633444	2.713634729	0.017692139	0.000744724	16.95480919	0.001834594	0.005721582	7.30565E-05	0.000275456	0.000116665	0.137877822	2.2603E-06	0.000458287	0.00027558	0.001046348	0.000483195
2050 Mar	0.015763395	2.65743E-06	2.461656809	2.713662386	0.017692382	0.000744731	16.95496559	0.001834611	0.005721639	7.30575E-05	0.000275459	0.000116666	0.137879178	2.26032E-06	0.000458291	0.000275584	0.001046358	0.000483199
2050 Apr	0.015766386	2.65792E-06	2.462110758	2.714163542	0.017695686	0.000744868	16.95808983	0.00183495	0.005722695	7.30712E-05	0.00027551	0.000116688	0.137904629	2.26073E-06	0.000458375	0.000275635	0.001046551	0.000483288
2050 May	0.015783893	2.66035E-06	2.464312792	2.716610193	0.017713146	0.000745519	16.97258186	0.001836577	0.005727731	7.31556E-05	0.000275757	0.000116793	0.138028428	2.26269E-06	0.000458786	0.000275894	0.001047472	0.000483707
2050 Jun	0.01599599	2.65478E-06	2.440517187	2.692964077	0.017578186	0.00073586	16.77344131	0.001818759	0.005712597	7.3406E-05	0.000272663	0.0001157	0.136521563	2.25513E-06	0.000452672	0.000274327	0.00104562	0.000476749
2050 Jul	0.016034631	2.60581E-06	2.390061855	2.640200377	0.0171293	0.000715022	16.35107994	0.001778965	0.005668466	7.29019E-05	0.000265162	0.000113354	0.133106172	2.24398E-06	0.000439484	0.000268223	0.001038283	0.000461721
2050 Aug	0.016071219	2.59346E-06	2.382735491	2.632189512	0.017038537	0.000710576	16.25284576	0.001771867	0.005667323	7.31297E-05	0.000263634	0.000113012	0.132457003	2.2467E-06	0.000437034	0.000266773	0.001038281	0.000458236
2050 Sep	0.016100045	2.59727E-06	2.389391899	2.63788414	0.017080052	0.00071208	16.25367546	0.00177547	0.005669517	7.35513E-05	0.000264397	0.000113306	0.13277936	2.24758E-06	0.000438715	0.000266963	0.001038804	0.000458958
2050 Oct	0.016116811	2.5997E-06	2.394353628	2.642388344	0.017111875	0.00071327	16.26268578	0.001778376	0.005672882	7.38289E-05	0.000264972	0.000113529	0.13302736	2.24909E-06	0.000439901	0.000267208	0.001039546	0.00045962
2050 Nov	0.016121224	2.60055E-06	2.397107124	2.6448524	0.017129442	0.000713916	16.26777649	0.001779976	0.005674224	7.39843E-05	0.000265298	0.000113653	0.133164242	2.24986E-06	0.000440567	0.000267339	0.001039918	0.000459998
2050 Dec	0.016121879	2.60067E-06	2.397524834	2.645222425	0.017132094	0.000714013	16.26844406	0.001780216	0.005674398	7.40084E-05	0.000265347	0.000113672	0.13318491	2.24997E-06	0.00044067	0.000267358	0.001039969	0.000460054

Appendix D.2-29: WES01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	576	0.55	0.71	0.024	200	0.13	104	0	0	4.6E-06	7.4E-03	3.3E-03	2.2E-01	5.6E-03	3.1E-06	2.3E+01	4.9E-05	1.4E-04	4.5E-04	3.7E-03
Operations (2020-2043): Mean	1083	1.6	2.0	0.070	575	0.25	204	0	0	9.0E-06	1.4E-02	6.4E-03	4.3E-01	1.1E-02	6.1E-06	4.5E+01	9.5E-05	2.7E-04	8.8E-04	7.3E-03
Operations (2020-2043): Max	2406	4.0	5.2	0.18	1466	0.36	291	0	0	1.3E-05	2.1E-02	9.2E-03	6.2E-01	1.6E-02	8.7E-06	6.4E+01	1.4E-04	3.8E-04	1.3E-03	1.0E-02
Active Closure (2044-2050): Min	80	0.052	0.066	0.0030	24	0.052	26	1.1E-04	1.1E-04	5.5E-06	4.1E-03	9.3E-04	5.3E-02	7.8E-03	5.1E-06	1.1E+01	1.5E-05	7.4E-05	1.7E-04	1.5E-03
Active Closure (2044-2050): Mean	157	0.13	0.17	0.0063	52	0.082	53	8.0E-04	8.0E-04	6.0E-06	5.7E-03	1.8E-03	1.1E-01	8.3E-03	5.3E-06	1.6E+01	2.7E-05	1.0E-04	2.8E-04	2.4E-03
Active Closure (2044-2050): Max	577	0.55	0.72	0.024	201	0.25	203	8.9E-04	8.9E-04	9.0E-06	1.4E-02	6.4E-03	4.3E-01	1.1E-02	6.1E-06	4.4E+01	9.5E-05	2.6E-04	8.8E-04	7.3E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2050)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	880.4070435	1.474146366	1.91058743	0.065118857	536.1940308	0.128332958	104.0754623	0	0	4.60198E-06	0.007394071	0.003293379	0.222277328	0.00556263	3.12591E-06	22.81827354	4.869E-05	0.000135568	0.000450285	0.003743593
2025 Jul	1912.129883	3.201654673	4.149548054	0.141429722	1164.543823	0.278722554	226.0383911	0	0	9.99491E-06	0.016058963	0.007152792	0.482757539	0.012081312	6.78908E-06	49.55833054	0.000105748	0.000294436	0.000977962	0.008130598
2025 Aug	1993.760864	3.338336945	4.326696873	0.147467509	1214.259521	0.290621549	235.6882172	0	0	1.04216E-05	0.016744535	0.007458152	0.503367007	0.012597077	7.07891E-06	51.67402649	0.000110263	0.000307006	0.001019712	0.008477702
2025 Sep	1749.6073	2.929528236	3.796854734	0.129408821	1065.562744	0.255032361	206.8261414	0	0	9.14538E-06	0.014694021	0.006544836	0.441725284	0.011054453	6.21204E-06	45.34608841	9.67602E-05	0.000269411	0.000894839	0.007439533
2025 Oct	1654.113647	2.769634247	3.589622259	0.122345679	1007.404297	0.241112679	195.5375519	0	0	8.64623E-06	0.01389202	0.006187618	0.417615861	0.010451101	5.87298E-06	42.87109756	9.1479E-05	0.000254706	0.000845999	0.007033483
2025 Nov	1637.3125	2.741502762	3.55316186	0.121102996	997.171936	0.238663658	193.5514526	0	0	8.55841E-06	0.013750917	0.00612477	0.413374096	0.010344948	5.81333E-06	42.43564987	9.05499E-05	0.000252119	0.000837406	0.006962043

Appendix D.2-29: WES01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 Dec	1639.117432	2.744524717	3.557078838	0.121236496	998.2711792	0.238926768	193.764801	0	0	8.56784E-06	0.013766075	0.006131521	0.413829774	0.010356352	5.81974E-06	42.4824295	9.06497E-05	0.000252397	0.000838329	0.006969717
2026 Jan	1639.345459	2.744906664	3.557573557	0.121253364	998.4099731	0.238959998	193.7917633	0	0	8.56903E-06	0.01376799	0.006132374	0.413887352	0.010357792	5.82055E-06	42.48833466	9.06623E-05	0.000252432	0.000838446	0.006970687
2026 Feb	1639.472168	2.745118618	3.557848454	0.121262729	998.4871826	0.23897846	193.8067322	0	0	8.56969E-06	0.013769054	0.006132848	0.41391933	0.010358592	5.821E-06	42.49162292	9.06693E-05	0.000252452	0.00083851	0.006971226
2026 Mar	1642.285889	2.749830246	3.563955069	0.121470854	1000.200867	0.23938863	194.1393738	0	0	8.5844E-06	0.013792686	0.006143374	0.414629757	0.010376371	5.83099E-06	42.56455231	9.08249E-05	0.000252885	0.00083995	0.00698319
2026 Apr	1655.030396	2.771169424	3.591611862	0.122413494	1007.962585	0.241246328	195.6459351	0	0	8.65102E-06	0.01389972	0.006191048	0.417847365	0.010456894	5.87624E-06	42.89485931	9.15297E-05	0.000254847	0.000846468	0.007037381
2026 May	1709.397217	2.862200737	3.70959425	0.126434714	1041.07373	0.249171138	202.0727997	0	0	8.9352E-06	0.014356318	0.00639442	0.431573391	0.010800397	6.06927E-06	44.30393219	9.45364E-05	0.000263219	0.000874274	0.007268555
2026 Jun	1697.123657	2.841650009	3.68295908	0.12552689	1033.598633	0.24738206	200.6218872	0	0	8.87105E-06	0.014253238	0.006348507	0.428474665	0.010722849	6.02569E-06	43.98582458	9.38577E-05	0.000261329	0.000867996	0.007216366
2026 Jul	2043.073608	3.420905828	4.433711529	0.151114911	1244.29248	0.297809631	241.5176544	0	0	1.06794E-05	0.017158689	0.007642618	0.515817046	0.012908647	7.254E-06	52.95211029	0.00011299	0.0003146	0.001044933	0.008687386
2026 Aug	1880.839355	3.149261951	4.081644058	0.139115334	1145.486938	0.274161458	222.339447	0	0	9.83135E-06	0.01579617	0.007035742	0.474857569	0.011883611	6.67798E-06	48.74734497	0.000104018	0.000289618	0.000961958	0.007997547
2026 Sep	1778.491333	2.977891684	3.859536886	0.131545231	1083.154053	0.259242684	210.2406158	0	0	9.29636E-06	0.014936604	0.006652884	0.449017674	0.011236951	6.31459E-06	46.09470367	9.83576E-05	0.000273858	0.000909612	0.007562351
2026 Oct	1628.323364	2.726451159	3.533654213	0.120438114	991.6972046	0.237353355	192.4888	0	0	8.51142E-06	0.013675421	0.006091143	0.41110459	0.010288151	5.78141E-06	42.20266724	9.00527E-05	0.000250735	0.000832808	0.006923819
2026 Nov	1628.323364	2.726451159	3.533654213	0.120438114	991.6972046	0.237353355	192.4888	0	0	8.51142E-06	0.013675421	0.006091143	0.41110459	0.010288151	5.78141E-06	42.20266724	9.00527E-05	0.000250735	0.000832808	0.006923819
2026 Dec	1628.323364	2.726451159	3.533654213	0.120438114	991.6972046	0.237353355	192.4888	0	0	8.51142E-06	0.013675421	0.006091143	0.41110459	0.010288151	5.78141E-06	42.20266724	9.00527E-05	0.000250735	0.000832808	0.006923819
2027 Jan	1628.323364	2.726451159	3.533654213	0.120438114	991.6972046	0.237353355	192.4888	0	0	8.51142E-06	0.013675421	0.006091143	0.41110459	0.010288151	5.78141E-06	42.20266724	9.00527E-05	0.000250735	0.000832808	0.006923819
2027 Feb	1628.323364	2.726451159	3.533654213	0.120438114	991.6972046	0.237353355	192.4888	0	0	8.51142E-06	0.013675421	0.006091143	0.41110459	0.010288151	5.78141E-06	42.20266724	9.00527E-05	0.000250735	0.000832808	0.006923819
2027 Mar	1628.323364	2.726451159	3.533654213	0.120438114	991.6972046	0.237353355	192.4888	0	0	8.51142E-06	0.013675421	0.006091143	0.41110459	0.010288151	5.78141E-06	42.20266724	9.00527E-05	0.000250735	0.000832808	0.006923819
2027 Apr	1628.323364	2.726451159	3.533654213	0.120438114	991.6972046	0.237353355	192.4888	0	0	8.51142E-06	0.013675421	0.006091143	0.41110459	0.010288151	5.78141E-06	42.20266724	9.00527E-05	0.000250735	0.000832808	0.006923819
2027 May	1639.819092	2.745699883	3.558601379	0.121288396	998.6985474	0.23902905	193.8477631	0	0	8.57151E-06	0.013771969	0.006134146	0.414006948	0.010360785	5.82223E-06	42.50061417	9.06885E-05	0.000252505	0.000838688	0.006972701
2027 Jun	1673.29895	2.801758289	3.631256819	0.123764724	1019.088745	0.243909255	197.8055115	0	0	8.74651E-06	0.014053148	0.006259386	0.422459662	0.010572319	5.9411E-06	43.36834335	9.25401E-05	0.00025766	0.000855811	0.007115061
2027 Jul	2107.400146	3.528613567	4.573307514	0.155872792	1283.469238	0.307186216	249.1218567	0	0	1.10156E-05	0.017698932	0.007883247	0.532057583	0.013315078	7.48239E-06	54.6193161	0.000116548	0.000324505	0.001077833	0.008960909
2027 Aug	1933.856567	3.238033772	4.196697712	0.143036723	1177.776123	0.281889588	228.6067963	0	0	1.01085E-05	0.016241433	0.007234066	0.488242924	0.012218586	6.86622E-06	50.12144089	0.00010695	0.000297782	0.000989074	0.008222982
2027 Sep	1724.121338	2.886854649	3.741547346	0.12752378	1050.041138	0.251317382	203.8133698	0	0	9.01217E-06	0.014479978	0.006449499	0.435290813	0.010893428	6.12155E-06	44.68555069	9.53507E-05	0.000265486	0.000881804	0.007331164
2027 Oct	1666.325439	2.790081739	3.616123438	0.123248927	1014.841675	0.242892757	196.9811401	0	0	8.71006E-06	0.013994581	0.0062333	0.420699	0.010528259	5.91634E-06	43.187603	9.21544E-05	0.000256586	0.000852245	0.007085409
2027 Nov	1678.756958	2.810896873	3.643100977	0.124168411	1022.412781	0.244704828	198.4507141	0	0	8.77504E-06	0.014098986	0.006279802	0.423837602	0.010606804	5.96048E-06	43.50979996	9.28419E-05	0.000258501	0.000858603	0.007138269
2027 Dec	1680.799683	2.814317465	3.64753437	0.124319501	1023.656982	0.245002598	198.6921997	0	0	8.78572E-06	0.014116143	0.006287444	0.424353361	0.01061971	5.96773E-06	43.56274414	9.29549E-05	0.000258815	0.000859648	0.007146955
2028 Jan	1680.80835	2.81433177	3.647552967	0.124320142	1023.662109	0.245003849	198.693222	0	0	8.78576E-06	0.014116215	0.006287476	0.424355537	0.010619765	5.96776E-06	43.56296921	9.29554E-05	0.000258817	0.000859652	0.007146992
2028 Feb	1681.332153	2.815208673	3.648689508	0.124358878	1023.981079	0.245080188	198.755127	0	0	8.7885E-06	0.014120614	0.006289436	0.42448774	0.010623073	5.96962E-06	43.5765419	9.29843E-05	0.000258897	0.00085992	0.007149219
2028 Mar	1682.396606	2.816991091	3.650999784	0.124437615	1024.629517	0.245235369	198.8809662	0	0	8.79407E-06	0.014129554	0.006293418	0.424756527	0.0106298	5.9734E-06	43.60413361	9.30432E-05	0.000259061	0.000860464	0.007153746
2028 Apr	1698.671997	2.844242334	3.686319113	0.125641406	1034.541626	0.247607768	200.8049164	0	0	8.87914E-06	0.014266242	0.006354299	0.428865582	0.010732631	6.03119E-06	44.0259552	9.39433E-05	0.000261567	0.000868788	0.00722295
2028 May	1773.673584	2.969824553	3.849081516	0.131188884	1080.219849	0.258540392	209.6710815	0	0	9.27118E-06	0.01489614	0.006634862	0.447801322	0.01120651	6.29749E-06	45.96983719	9.80912E-05	0.000273116	0.000907148	0.007541866
2028 Jun	1686.933105	2.824587345	3.660844564	0.124773167	1027.392334	0.245896667	199.4172516	0	0	8.81778E-06	0.014167654	0.006310388	0.42590189	0.010658463	5.98951E-06	43.72171402	9.32941E-05	0.00025976	0.000862784	0.007173036
2028 Jul	2327.39502	3.896970987	5.050722599	0.172144592	1417.452515	0.339253873	275.1280518	0	0	1.21655E-05	0.019546552	0.008706192	0.587599933	0.01470506	8.26349E-06	60.32110977	0.000128714	0.00035838	0.001190349	0.009896353
2028 Aug	2406.290771	4.029073238	5.221935272	0.17798008	1465.502441	0.350754142	284.4545898	0	0	1.25779E-05	0.020209156	0.009001321	0.607518852	0.015203543	8.54361E-06	62.36592484	0.000133077	0.000370529	0.001230701	0.010231827
2028 Sep	1883.162598	3.153152227	4.086685658	0.139287174	1146.901978	0.274500132	222.6141052	0	0	9.84349E-06	0.015815681	0.007044433	0.475444168	0.011898289	6.68623E-06	48.80755997	0.000104146	0.000289976	0.000963146	0.008007426
2028 Oct	1636.808716	2.740659237	3.55206871	0.121065743	996.8651733	0.238590255	193.4919128	0	0	8.55577E-06	0.013746687	0.006122885	0.41324693	0.010341765	5.81154E-06	42.42259216	9.0522E-05	0.000252041	0.000837148	0.006959901
2028 Nov	1663.440674	2.785251379	3.609863043	0.123035558	1013.084778	0.242472246	196.6401367	0	0	8.69498E-06	0.013970354	0.006222508	0.419970691	0.010510032	5.9061E-06	43.11283493	9.19949E-05	0.000256142	0.000850769	0.007073143
2028 Dec	1667.169189	2.791494608	3.617954731	0.123311326	1015.355591	0.243015751	197.0809021	0	0	8.71447E-06	0.014001667	0.006236456	0.420912057	0.010533589	5.91934E-06	43.20947266	9.22011E-05	0.000256716	0.000852676	0.007088997
2029 Jan	1667.172119	2.791499376	3.617960691	0.123311549	1015.357239	0.243016168	197.0812378	0	0	8.71449E-06	0.014001692	0.006236467	0.420912772	0.010533608	5.91935E-06	43.20954514	9.22012E-05	0.000256717	0.000852678	0.007089009
2029 Feb	1667.172119	2.791499376	3.617960691	0.123311549	1015.357239	0.243016168	197.0812378	0	0	8.71449E-06	0.014001692	0.006236467	0.420912772	0.010533608	5.91935E-06	43.20954514	9.22012E-05	0.000256717	0.000852678	0.007089009
2029 Mar	1669.039429	2.794625998	3.622012854	0.123449661	1016.494507	0.243288353	197.3019714	0	0	8.72425E-06	0.014017374	0.006243451	0.421384215	0.010545406	5.92598E-06	43.2579422	9.23045E-05	0.000257004	0.000853633	0.007096949
2029 Apr	1680.22644	2.813357353	3.646290064	0.124277093	1023.307678	0.244919032	198.6244202	0	0	8.78272E-06	0.014111328	0.0062853	0.424208611	0.010616088	5.9657E-06	43.54788208	9.29232E-05	0.000258727	0.000859354	0.007144517
2029 May	1753.14209	2.933961391	3.802600622	0.129604653	1067.175293	0.256146044	207.7292938	0	0	9.18532E-06	0.014758186	0.006573416	0.44365418	0.011102726	6.23916E-06	45.54410553	9.71827E-05	0.000270587	0.000898747	0.00747202
2029 Jun	1699.798828	2.810145617	3.642127752	0.124135226	1022.139526	0.262267262	212.6934967	0	0	9.40483E-06	0.015110869	0.006730503	0.454256386	0.011368053	6.38826E-06	46.63249588	9.95052E-05	0.000277053	0.000920225	0.007650582
2029 Jul	1688.297363	2.756367683	3.572427988	0.121759646	1002.578735	0.274496526	222.6111908	0	0	9.84336E-06	0.015815474	0.00704434	0.475437909	0.011898133	6.68614E-06	48.8069191	0.000104145	0.000289972	0.000963134	0.008007322
2029 Aug	1646.664185	2.688339233	3.484258413	0.118754551	977.8345947	0.267750412	217.140213	0	0	9.60145E-06	0.015426788	0.006871216	0.463753372	0.011605721	6.52182E-06	47.60742188	0.000101585	0.000282846	0.000939463	0.00781053
2029 Sep	1585.729492	2.588852644	3.355317593	0.114359833	941.6481934	0.257844269	209.1065369	0	0	9.24622E-06	0.014856032	0.006616997	0.446595579	0.011176337	6.28053E-06	45.84606171	9.78271E-05	0.000272381	0.000904705	0.007521559
2029 Oct	1517.077759	2.476771593	3.210053682	0.109408788	900.8807983	0.246681482	200.0537415	0	0	8.84592E-06	0.014212874	0.006330529	0.427261263	0.010692483	6.00863E-06	43.86125946	9.35919E-05	0.000260589	0.000865538	0.00719593
2029 Nov	1516.129395	2.475223303	3.208046675	0.109340385	900.317627	0.246527284	199.9286804	0	0	8.84039E-06	0.01420399	0.006326572	0.426994175	0.010685798	6.00487E-06	43.83383942	9.35334E-05	0.000260426	0.000864997	0.007191432
2029 Dec	1517.514526	2.477484465	3.210977554	0.109440275	901.1400757	0.246752486	200.1113281	0	0	8.84847E-06	0.014216966	0.006332351	0.427384257	0.010695561	6.01036E-06	43.87388611	9.36188E-05	0.000260664	0.000865787	0.007198002
2030 Jan	1517.549438	2.477541447	3.211051464	0.109442793	901.1608276	0.246758163	200.1159363	0	0	8.84867E-06	0.014217293	0.006332497	0.427394092	0.010695806	6.0105E-06	43.874897	9.3621E-05	0.00026067	0.000865807	0.007198167
2030 Feb	1518.223633	2.478642464	3.212478161	0.109491415	901.5612793	0.246867836	200.2048492	0	0	8.85261E-06	0.014223609	0.006335311	0.427583992	0.010700559	6.01317E-06	43.89439011	9.36626E-05	0.000260786	0.000866192	0.007201365
2030 Mar	1520.331543	2.482083559	3.216938257	0.109643437	902.8129883	0.247210562	200.4828033	0	0	8.8649E-06	0.014243357	0.006344107	0.428177625	0.010715415	6.02152E-06	43.95533371	9.37926E-05	0.000261148	0.000867395	0.007211363
2030 Apr	1529.084961	2.496374369	3.235460043	0.11027471	908.0109253	0.248633876	201.637085	0	0	8.91594E-06	0.014325364	0.006380633	0.430642873	0.010777109	6.05618E-06	44.20840836	9.43326E-05	0.000262651	0.000872389	0.007252883
2030 May	1596.72168	2.606739044	3.378499746	0.115149952	948.1541138	0.259655476	210.5753937	0	0	9.31117E-06	0.014960388	0.006663478	0.449732661	0.011254844	6.32465E-06	46.16810226	9.85142E-05	0.000274294	0.00091106	0.007574394
2030 Jun	1413.068115	2.260320425	2.929518938	0.099847272	822.1505127	0.248582855	201.5957031	0	0	8.91411E-06	0.014322423	0.006379323	0.430554479	0.010774897	6.05494E-06	44.19933319	9.43132E-05	0.000262597	0.00087221	0.007251394
2030 Jul	1494.326172	2.371976852	3.074232817	0.104779579	862.7635498	0.270267427	219.1814575	0	0	9.69171E-06	0.015571808	0.006935809	0.468112946	0.011714821	6.58313E-06	48.05496216	0.00010254	0.000285505	0.000948295	0.007883954
2030 Aug	1638.00415	2.600014687	3.369784355	0.114852913	945.7081909	0.296263665	240.2638855	0	0	1.06239E-05	0.017069615	0.007602944	0.513139367	0.012841636	7.21634E-06	52.67723083	0.000112404	0.000312966	0.001039509	0.008642288
2030 Sep	1645.109253	2.611291885	3.384400368	0.115351066	949.8100586	0.297549158	241.3063812	0	0	1.067E-05	0.01714368	0.007635934	0.515365839	0.012897355	7.24765E-06	52.90579605	0.000112891	0.000314324	0.001044019	0.008679788
2030 Oct	1390.260864	2.206768751	2.860112906	0.09748169	802.6721802	0.251455158	203.9250793	0	0	9.01711E-06	0.014487914	0.006453034	0.435529381	0.010899398	6.1249E-06	44.71004105	9.5403E-05	0.000265632	0.000882288	0.007335182
2030 Nov	1363.278687	2.163940191	2.804604053	0.095589779	787.0939941	0.246574953	199.9673462	0	0	8.8421E-06	0.014206735	0.006327795	0.427076697	0.010687864	6.00603E-06	43.84231567	9.35514E-05	0.000260476	0.000865164	0.007192822
2030 Dec	1364.155884	2.165332317	2.806408405	0.095651276	787.6004028	0.246733576	200.0959778	0	0	8.84779E-06	0.014215875	0.006331866	0.427351475	0.01069474	6.0099E-06	43.87052536	9.36116E-05	0.000260644	0.000865721	0.007197449
2031 Jan	1364.203735	2.165408373	2.806506872	0.095654637	787.6279907	0.246742249	200.1029968	0	0	8.8481E-06	0.014216375	0.006332088	0.427366465	0.010695116	6.01011E-06	43.87206268	9.36149E-05	0.000260653	0.000865751	0.007197702
2031 Feb	1364.216553	2.165428638	2.806533337	0.095655531	787.635437	0.246744543	200.1048889	0	0	8.84819E-06	0.014216508	0.006332148	0.427370489	0.010695215	6.01016E-06	43.87247467	9.36158E-05	0.000260655	0.00086576	0.00719777
2031 Mar	1365.127319	2.16687417	2.80840683	0.09571939	788.1612549	0.246909305	200.2384796	0	0	8.85409E-06	0.014225999	0.006336375	0.427655816	0.010702356	6.01418E-06	43.90176392	9.36783E-05	0.000260829	0.000866338	0.007202575
2031 Apr	1380.9552	2.191998005	2.840968847	0.096829198	797.2994995	0.249772042	202.5601196	0	0	8.95675E-06	0.014390941	0.006409842	0.432614237	0.010826444	6.08391E-06	44.41078186	9.47644E-05	0.000263854	0.000876382	0.007286085
2031 May	1418.593994	2.245347738	2.910113573	0.099185877	816.7045898	0.259095848	210.1215515	0	0	9.2911E-06	0.014928145	0.006649117	0.4487634	0.011230587	6.31102E-06	46.0685997	9.83019E-05	0.000273703	0.000909097	0.007558069
2031 Jun	1306.15918	2.02666831	2.626691103	0.089525945	737.1638794	0.254582286	206.4611511	0	0	9.12924E-06	0.01466809	0.006533286	0.440945774	0.011034946	6.20108E-06	45.2660675	9.65895E-05	0.000268935	0.00089326	0.007426404
2031 Jul	1564.007202	2.415716887	3.130922794	0.106711753	878.6732788	0.309181243	250.7397766	0	0	1.10871E-05	0.017813878	0.007934446	0.535513103	0.013401553	7.53099E-06	54.97404099	0.000117305	0.000326612	0.001084833	0.009019106
2031 Aug	1333.838501	2.052047253	2.659584045	0.090647027	746.3950806	0.266890377	216.4427643	0	0	9.57061E-06	0.015377237	0.006849146	0.462263823	0.011568443	6.50087E-06	47.45450974	0.000101259	0.000281937	0.000936446	0.007785443
2031 Sep	1206.078003	1.854459047	2.403496981	0.081918776	674.5258789	0.241733819	196.0412903	0	0	8.6685E-06	0.013927808	0.006203558	0.418691725	0.010478024	5.88811E-06	42.98154068	9.17147E-05	0.000255362	0.000848178	0.007051602
2031 Oct	1175.750854	1.807790756	2.343011856	0.079857253	657.5510864	0.23567003	191.1236572	0	0	8.45106E-06	0.013578434	0.006047945	0.408188999	0.010215187	5.74041E-06	41.90336609	8.94141E-05	0.000248957	0.000826902	0.006874715

Appendix D.2-29: WES01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2031 Nov	1183.2229	1.819279552	2.35790205	0.080364756	661.7299194	0.237167805	192.3383331	0	0	8.50477E-06	0.013664731	0.006086381	0.410783201	0.010280109	5.7769E-06	42.16967392	8.99823E-05	0.000250539	0.000832157	0.006918407
2031 Dec	1184.009644	1.820489049	2.359469652	0.080418192	662.1698608	0.23732549	192.466217	0	0	8.51042E-06	0.013673816	0.006090428	0.41105634	0.010286943	5.78074E-06	42.19771576	9.00422E-05	0.000250705	0.000832711	0.006923007
2032 Jan	1184.090088	1.820612669	2.359629869	0.080423646	662.2149048	0.237341613	192.4792786	0	0	8.511E-06	0.013674745	0.006090842	0.411084235	0.010287642	5.78113E-06	42.2005806	9.00483E-05	0.000250722	0.000832767	0.006923477
2032 Feb	1184.104248	1.820634484	2.359658003	0.080424607	662.2227783	0.237344444	192.4815826	0	0	8.5111E-06	0.013674907	0.006090915	0.411089122	0.010287764	5.7812E-06	42.20108414	9.00494E-05	0.000250725	0.000832777	0.00692356
2032 Mar	1185.083374	1.822140098	2.361609459	0.080491118	662.7703857	0.237540722	192.6407471	0	0	8.51814E-06	0.013686216	0.006095951	0.411429107	0.010296273	5.78598E-06	42.23598099	9.01238E-05	0.000250933	0.000833466	0.006929285
2032 Apr	1193.186768	1.834599495	2.377757549	0.0810415	667.3023071	0.239164978	193.9579926	0	0	8.57638E-06	0.013779799	0.006137635	0.414242357	0.010366676	5.82554E-06	42.52478409	9.07401E-05	0.000252649	0.000839165	0.006976666
2032 May	1231.560669	1.892114282	2.45230031	0.083582155	688.22229	0.247457445	200.6830292	0	0	8.87375E-06	0.014257582	0.006350442	0.428605199	0.010726116	6.02753E-06	43.99922943	9.38863E-05	0.000261409	0.000868261	0.007218565
2032 Jun	1097.58252	1.641555548	2.127560616	0.07251399	597.0860596	0.238598496	193.4985962	0	0	8.55607E-06	0.013747161	0.006123097	0.413261205	0.010342123	5.81174E-06	42.42406082	9.05252E-05	0.00025205	0.000837177	0.006960141
2032 Jul	1155.416748	1.716190219	2.224291563	0.075810894	624.2330933	0.255961806	207.579895	0	0	9.17871E-06	0.014747572	0.006568688	0.443335086	0.011094741	6.23468E-06	45.51134872	9.71129E-05	0.000270392	0.0008981	0.007466646
2032 Aug	1185.513306	1.760893583	2.282230139	0.077785626	640.4931641	0.262629211	212.9870148	0	0	9.4178E-06	0.015131722	0.006739792	0.454883307	0.011383741	6.39708E-06	46.69684982	9.96425E-05	0.000277436	0.000921495	0.007661141
2032 Sep	1191.186035	1.769319654	2.293150902	0.078157835	643.5579834	0.263885945	214.0061951	0	0	9.46287E-06	0.015204131	0.006772043	0.457059979	0.011438213	6.42769E-06	46.92029953	0.000100119	0.000278763	0.000925904	0.007697799
2032 Oct	1176.072021	1.746870279	2.264055014	0.077166148	635.392395	0.260537684	211.2908478	0	0	9.3428E-06	0.015011217	0.006686118	0.451260716	0.011293083	6.34614E-06	46.32496643	9.8849E-05	0.000275226	0.000914156	0.007600129
2032 Nov	1167.258179	1.733778477	2.24708724	0.076587841	630.6304932	0.258585125	209.7073517	0	0	9.27278E-06	0.014898718	0.00663601	0.447878778	0.011208449	6.29858E-06	45.97779083	9.81082E-05	0.000273164	0.000907305	0.00754317
2032 Dec	1138.823242	1.691542864	2.192347288	0.074722126	615.2681274	0.252285898	204.5988007	0	0	9.0469E-06	0.014535779	0.006474353	0.436968297	0.010935407	6.14514E-06	44.85774994	9.57182E-05	0.000266509	0.000885203	0.007359416
2033 Jan	1138.927979	1.691698551	2.19254899	0.074729003	615.324646	0.252309084	204.6176147	0	0	9.04773E-06	0.014537116	0.006474949	0.43700847	0.010936413	6.1457E-06	44.86187744	9.5727E-05	0.000266534	0.000885284	0.007360093
2033 Feb	1139.561401	1.692639351	2.193768263	0.074770562	615.6668701	0.252449423	204.7313995	0	0	9.05276E-06	0.0145452	0.00647855	0.437251508	0.010942494	6.14912E-06	44.88682556	9.57802E-05	0.000266682	0.000885776	0.007364186
2033 Mar	1143.653564	1.698717594	2.20164609	0.075039059	617.8777466	0.25335595	205.4665833	0	0	9.08527E-06	0.014597432	0.006501814	0.438821644	0.010981788	6.1712E-06	45.04801178	9.61242E-05	0.00026764	0.000888957	0.00739063
2033 Apr	1164.716187	1.73000288	2.242193699	0.07642106	629.2572021	0.25802201	209.2506866	0	0	9.25259E-06	0.014866273	0.006621558	0.446903467	0.01118404	6.28486E-06	45.87766647	9.78945E-05	0.000272569	0.000905329	0.007526744
2033 May	1152.859009	1.697156429	2.199622869	0.074970096	617.3098755	0.261488944	212.0623016	0	0	9.37691E-06	0.015066025	0.00671053	0.452908307	0.011334317	6.36931E-06	46.49410248	9.92099E-05	0.000276231	0.000917494	0.007627878
2033 Jun	1021.156311	1.467635274	1.902148724	0.064831242	533.8257446	0.245871425	199.3968048	0	0	8.81688E-06	0.014166201	0.00630974	0.4258582	0.01065737	5.9889E-06	43.71722794	9.32845E-05	0.000259733	0.000862696	0.0071723
2033 Jul	1154.921509	1.652664781	2.141958475	0.073004723	601.12677	0.280967772	227.8592224	0	0	1.00754E-05	0.016188323	0.00721041	0.486646354	0.012178631	6.84377E-06	49.95754242	0.0001066	0.000296808	0.00098584	0.008196093
2033 Aug	1297.236206	1.854754925	2.403880358	0.081931852	674.6334839	0.31621331	256.4426575	0	0	1.13393E-05	0.018219039	0.008114907	0.547692895	0.01370636	7.70227E-06	56.22438431	0.000119973	0.000334041	0.001109507	0.009224238
2033 Sep	995.4202881	1.42288363	1.844147563	0.062854387	517.5480957	0.24277997	196.889679	0	0	8.70602E-06	0.013988083	0.006230405	0.420503676	0.01052337	5.9136E-06	43.16754913	9.21116E-05	0.000256467	0.000851849	0.007082119
2033 Oct	943.6358032	1.348843575	1.748186946	0.059583746	490.6174011	0.230157018	186.6527252	0	0	8.25336E-06	0.013260796	0.005906465	0.398640245	0.009976224	5.60613E-06	40.92312241	8.73224E-05	0.000243133	0.000807558	0.006713896
2033 Nov	947.0806274	1.353767633	1.754568934	0.059801254	492.4083862	0.230997235	187.3341217	0	0	8.28349E-06	0.013309205	0.005928028	0.400095552	0.010012643	5.62659E-06	41.0725174	8.76412E-05	0.00024402	0.000810507	0.006738406
2033 Dec	947.5445557	1.354430795	1.755428433	0.059830554	492.6496582	0.231110409	187.4259033	0	0	8.28755E-06	0.013315725	0.005930932	0.400291562	0.010017549	5.62935E-06	41.09263611	8.76841E-05	0.00024414	0.000810904	0.006741707
2034 Jan	947.5814209	1.354483366	1.755496621	0.059832878	492.6687927	0.231119379	187.4331818	0	0	8.28787E-06	0.013316243	0.005931162	0.400307119	0.010017938	5.62957E-06	41.09423447	8.76875E-05	0.000244149	0.000810935	0.006741969
2034 Feb	947.6264038	1.354547739	1.755579948	0.059835717	492.6921692	0.231130362	187.4420776	0	0	8.28827E-06	0.013316875	0.005931444	0.400326133	0.010018414	5.62984E-06	41.09618759	8.76917E-05	0.000244161	0.000810974	0.006742289
2034 Mar	948.0516357	1.355155587	1.756367683	0.059862569	492.9132385	0.231234074	187.5261993	0	0	8.29198E-06	0.013322852	0.005934106	0.400505781	0.01002291	5.63236E-06	41.11462784	8.77311E-05	0.000244271	0.000811337	0.006745315
2034 Apr	953.8109741	1.363388062	1.76703763	0.060226232	495.9076843	0.232638806	188.6654053	0	0	8.34236E-06	0.013403787	0.005970155	0.402938843	0.010083798	5.66658E-06	41.36439896	8.8264E-05	0.000245754	0.000816266	0.006786292
2034 May	971.7103882	1.385341167	1.795490384	0.061195992	503.8927917	0.238449052	193.3773956	0	0	8.55071E-06	0.013738551	0.006119262	0.413002372	0.010335645	5.8081E-06	42.39748764	9.04684E-05	0.000251892	0.000836653	0.006955782
2034 Jun	932.0304565	1.292937994	1.67572999	0.05711418	470.2827759	0.242961615	197.0370026	0	0	8.71253E-06	0.013998549	0.006235067	0.420818269	0.010531243	5.91802E-06	43.19984436	9.21805E-05	0.000256659	0.000852486	0.007087417
2034 Jul	1136.700562	1.558004022	2.019272327	0.068823189	566.6957397	0.303814292	246.3872986	0	0	1.08947E-05	0.017504655	0.007796715	0.526217341	0.013168921	7.40026E-06	54.01977539	0.000115268	0.000320943	0.001066002	0.008862548
2034 Aug	1341.692871	1.838654399	2.38301301	0.081220627	668.7772217	0.358731329	290.9239197	0	0	1.2864E-05	0.020668771	0.009206038	0.621335626	0.015549316	8.73792E-06	63.78430939	0.000136104	0.000378956	0.001258691	0.010464529
2034 Sep	933.039856	1.278420448	1.656914115	0.056472875	465.0022278	0.249554932	202.3840332	0	0	8.94896E-06	0.014378431	0.006404269	0.432238162	0.010817032	6.07862E-06	44.37216949	9.46821E-05	0.000263624	0.00087562	0.007279751
2034 Oct	873.6598511	1.197038531	1.551438093	0.052877922	435.4010925	0.233681366	189.5108948	0	0	8.37974E-06	0.013463855	0.00599691	0.404744565	0.010128988	5.69197E-06	41.54976654	8.86596E-05	0.000246856	0.000819924	0.006816704
2034 Nov	880.8295288	1.206862092	1.564170003	0.053311858	438.9741821	0.235599071	191.0661163	0	0	8.44851E-06	0.013574346	0.006046123	0.408066094	0.010212111	5.73868E-06	41.89074707	8.93871E-05	0.000248882	0.000826653	0.006872646
2034 Dec	881.8085327	1.208203435	1.565908432	0.053371113	439.4620972	0.235860914	191.2784882	0	0	8.4579E-06	0.013589433	0.006052844	0.408519655	0.010223461	5.74506E-06	41.93730545	8.94865E-05	0.000249158	0.000827572	0.006880284
2035 Jan	881.8615112	1.208276033	1.566002607	0.053374324	439.4884949	0.235875115	191.289978	0	0	8.45841E-06	0.01359025	0.006053207	0.408544213	0.010224077	5.74541E-06	41.93982697	8.94919E-05	0.000249173	0.000827622	0.006880698
2035 Feb	882.0095825	1.208478928	1.566265464	0.053383283	439.5622864	0.235914707	191.3220825	0	0	8.45983E-06	0.013592532	0.006054224	0.408612818	0.010225792	5.74637E-06	41.9468689	8.95069E-05	0.000249215	0.000827761	0.006881853
2035 Mar	882.5687866	1.209245086	1.567258477	0.053417128	439.8409424	0.23606427	191.4433899	0	0	8.46519E-06	0.013601149	0.006058062	0.40887183	0.010232275	5.75002E-06	41.97346497	8.95636E-05	0.000249373	0.000828285	0.006886216
2035 Apr	891.9899292	1.222153425	1.583988547	0.053987339	444.5361633	0.238584191	193.4869995	0	0	8.55556E-06	0.013746339	0.00612273	0.413236439	0.010341503	5.8114E-06	42.42152023	9.05197E-05	0.000252035	0.000837127	0.006959725
2035 May	932.8137207	1.275130391	1.652650237	0.056327548	463.8055725	0.250689119	203.3038788	0	0	8.98964E-06	0.01444378	0.006433377	0.434202671	0.010866195	6.10625E-06	44.57384491	9.51124E-05	0.000264822	0.0008796	0.007312837
2035 Jun	838.5021362	1.104206204	1.431121469	0.048777148	401.6349792	0.242183	196.4055634	0	0	8.68461E-06	0.013953688	0.006215085	0.419469684	0.010497494	5.89905E-06	43.06140518	9.18851E-05	0.000255837	0.000849754	0.007064705
2035 Jul	996.5570679	1.304088473	1.690181613	0.057606738	474.338562	0.291144043	236.111969	0	0	1.04403E-05	0.016774639	0.007471561	0.504271984	0.012619724	7.09164E-06	51.76693344	0.000110461	0.000307558	0.001021545	0.008492944
2035 Aug	880.6160278	1.15222609	1.493358254	0.050898377	419.1013489	0.257329106	208.688736	0	0	9.22774E-06	0.01482635	0.006603776	0.445703298	0.011154006	6.26798E-06	45.7544632	9.76316E-05	0.000271837	0.000902898	0.007506531
2035 Sep	824.7506104	1.079114318	1.398600698	0.047668736	392.5082397	0.241010696	195.454834	0	0	8.64257E-06	0.013886144	0.006185001	0.417439252	0.01044668	5.8705E-06	42.85296249	9.14403E-05	0.000254598	0.000845641	0.007030508
2035 Oct	818.2362061	1.070590615	1.387553453	0.04729221	389.4078979	0.239107147	193.911087	0	0	8.57431E-06	0.013776468	0.00613615	0.414142221	0.010364169	5.82413E-06	42.51450348	9.07181E-05	0.000252587	0.000838962	0.006974979
2035 Nov	803.6478882	1.051502943	1.362814784	0.046449035	382.4651489	0.234844103	190.4538574	0	0	8.42144E-06	0.013530849	0.006026749	0.406758487	0.010179387	5.7203E-06	41.75651169	8.91007E-05	0.000248084	0.000824004	0.006850623
2035 Dec	804.2297974	1.052264333	1.363801479	0.046482675	382.7420959	0.235014156	190.5917664	0	0	8.42754E-06	0.013540645	0.006031113	0.407053024	0.010186758	5.72444E-06	41.78675079	8.91652E-05	0.000248264	0.000824601	0.006855583
2036 Jan	804.2421265	1.052280545	1.36382246	0.046483386	382.7479858	0.235017762	190.5946808	0	0	8.42767E-06	0.013540854	0.006031205	0.407059282	0.010186914	5.72452E-06	41.78738785	8.91666E-05	0.000248268	0.000824613	0.006855689
2036 Feb	804.2559814	1.052298546	1.363846064	0.046484184	382.7545471	0.2350218	190.5979614	0	0	8.42781E-06	0.013541087	0.006031309	0.407066256	0.01018709	5.72462E-06	41.78810883	8.91681E-05	0.000248272	0.000824628	0.006855806
2036 Mar	804.2825317	1.052333355	1.363891006	0.046485718	382.7672119	0.235029563	190.6042633	0	0	8.42809E-06	0.013541534	0.006031508	0.407079697	0.010187427	5.72481E-06	41.78948593	8.91711E-05	0.00024828	0.000824655	0.006856033
2036 Apr	811.4874268	1.061350346	1.375577569	0.046884034	386.046936	0.237298176	192.4440613	0	0	8.50944E-06	0.013672242	0.006089727	0.411009014	0.010285759	5.78007E-06	42.19285583	9.00318E-05	0.000250677	0.000832615	0.00692221
2036 May	840.8466797	1.098384738	1.423576474	0.048519991	399.5175476	0.246426672	199.8470917	0	0	8.83679E-06	0.014198192	0.00632399	0.426819891	0.010681436	6.00242E-06	43.8159523	9.34952E-05	0.00026032	0.000864644	0.007188497
2036 Jun	773.2375488	0.97201395	1.259791851	0.042937692	353.5524597	0.241758466	196.061264	0	0	8.66939E-06	0.013929228	0.00620419	0.418734401	0.010479093	5.88871E-06	42.98591995	9.1724E-05	0.000255388	0.000848265	0.007052321
2036 Jul	840.2290039	1.045262814	1.354726911	0.046173379	380.1953735	0.26706773	216.5865784	0	0	9.57697E-06	0.015387453	0.006853696	0.462570965	0.01157613	6.50519E-06	47.48604202	0.000101326	0.000282124	0.000937068	0.007790616
2036 Aug	1002.249268	1.246799588	1.615931511	0.055076059	453.5007324	0.318573833	258.3570251	0	0	1.1424E-05	0.018355045	0.008175486	0.551781416	0.013808678	7.75977E-06	56.64409637	0.000120868	0.000336534	0.001117789	0.009293098
2036 Sep	787.6615601	0.979845285	1.269941926	0.043283634	356.4009705	0.250367999	203.0434113	0	0	8.97812E-06	0.014425276	0.006425135	0.433646411	0.010852274	6.09842E-06	44.51673889	9.49905E-05	0.000264483	0.000878473	0.007303469
2036 Oct	762.7854614	0.948898792	1.229833245	0.041916605	345.1447144	0.2424611	196.6310883	0	0	8.69458E-06	0.013969711	0.006222222	0.419951379	0.010509549	5.90583E-06	43.1108551	9.19906E-05	0.000256131	0.00085073	0.007072818
2036 Nov	756.883667	0.94155705	1.220317841	0.041592292	342.4743042	0.240585163	195.1097412	0	0	8.62731E-06	0.013861627	0.006174081	0.416702211	0.010428235	5.86013E-06	42.77730179	9.12789E-05	0.000254149	0.000844148	0.007018094
2036 Dec	751.6497803	0.935046196	1.211879253	0.041304681	340.1061096	0.238921523	193.7605591	0	0	8.56765E-06	0.013765774	0.006131387	0.413820714	0.010356124	5.81961E-06	42.48149872	9.06477E-05	0.000252391	0.000838311	0.006969564
2037 Jan	751.795105	0.935226917	1.2121135	0.041312665	340.1718445	0.238967702	193.7980194	0	0	8.56931E-06	0.013768435	0.006132572	0.413900703	0.010358126	5.82074E-06	42.48970795	9.06652E-05	0.00025244	0.000838473	0.006970912
2037 Feb	752.0946655	0.935599566	1.212596536	0.041329127	340.307373	0.23906292	193.8752441	0	0	8.57272E-06	0.013773921	0.006135016	0.414065599	0.010362254	5.82306E-06	42.50663757	9.07014E-05	0.000252541	0.000838807	0.006973689
2037 Mar	754.9324951	0.939129829	1.217172027	0.041485071	341.5914612	0.239964977	194.606781	0	0	8.60507E-06	0.013825893	0.006158165	0.415628016	0.010401353	5.84503E-06	42.66702652	9.10436E-05	0.000253494	0.000841972	0.007000003
2037 Apr	762.87854	0.949014604	1.22998333	0.04192172	345.1868591	0.242490709	196.6551056	0	0	8.69564E-06	0.013971417	0.006222982	0.420002669	0.010510832	5.90655E-06	43.11611938	9.20019E-05	0.000256162	0.000850834	0.007073681
2037 May	760.0145874	0.931488752	1.207268715	0.041147538	338.8121338	0.247274518	200.534668	0	0	8.86719E-06	0.014247043	0.006345748	0.4282884	0.010718187	6.02307E-06	43.96670151	9.38169E-05	0.000261215	0.000867619	0.007213229
2037 Jun	726.3543091	0.862284064	1.11757493	0.03809049	313.6401672	0.247721002	200.896759	0	0	8.8832E-06	0.014272767	0.006357206	0.429061711	0.01073754	6.03395E-06	44.04608917	9.39863E-05	0.000261687	0.000869186	0.007226253
2037 Jul	813.9790039	0.960894048	1.245379806	0.042446483	349.507782	0.279812515	226.9223328	0	0	1.0034E-05	0.016121762	0.007180762	0.484645367	0.012128556	6.81563E-06	49.7521286	0.000106162	0.000295588	0.000981786	0.008162393
2037 Aug	818.9599609	0.965524793	1.251381636	0.042651042	351.1921387	0.282034159	228.7240448	0	0	1.01137E-05	0.016249763	0.007237776	0.488493353	0.012224854	6.86974E-06	50.14714813	0.000107005	0.000297935	0.000989581	0.008227201
2037 Sep	780.2753906	0.919684052	1.191969037	0.040626075	334.5184021	0.268806964	217.9970551	0	0	9.63934E-06	0.015487662	0.00689833	0.465583384	0.011651518	6.54756E-06	47.79528427	0.000101986	0.000283962	0.000943171	0.007841351
2037 Oct	694.0462646	0.817996383	1.060175419	0.036134131	297.5313721	0.239122123	193.9232483	0	0	8.57485E-06	0.013777331	0.006136534	0.414168149	0.010364819	5.8245E-06	42.51716232	9.07238E-05	0.000252603	0.000839014	0.006975416
2037 Nov	695.8873291	0.820164979	1.062986016	0.036229923	298.3201294	0.239756986	194.4381104	0	0	8.59761E-06	0.01381391	0.006152827	0.415267766	0.010392338	5.83996E-06	42.63004684	9.09647E-05	0.000253274	0.000841242	0.006993936
2037 Dec	696.9703369	0.821441352	1.064640284	0.036286306	298.7843933	0.240130097	194.7406921	0	0	8.61099E-06	0.013835408	0.006162402	0.415914029	0.010408511	5.84905E-06	42.69639206	9.11062E-05	0.000253668	0.000842551	0.00700482
2038 Jan	697.0563965	0.82154274	1.064771652	0.036290787	298.8212891	0.240159765	194.7647552	0	0	8.61206E-06	0.013837117	0.006163164	0.415965378	0.010409797	5.84977E-06	42.70166016	9.11175E-05	0.000253699	0.000842655	0.007005685
2038 Feb	697.1119385	0.821608305	1.064856529	0.036293682	298.8451233	0.240178913	194.7802734	0	0	8.61274E-06	0.013838219	0.006163655	0.415998548	0.010410625	5.85024E-06	42.70506668	9.11248E-05	0.00025372	0.000842722	0.007006244
2038 Mar	697.5150146	0.822083294	1.065472245	0.036314666	299.0178833	0.240317762	194.8928833	0	0	8.61772E-06	0.01384622	0.006167219	0.416239053	0.010416645	5.85362E-06	42.72975922	9.11774E-05	0.000253866	0.00084321	0.007010294
2038 Apr	702.8059082	0.828319132	1.073554277	0.036590125	301.2860413	0.242140666	196.3712311	0	0	8.68309E-06	0.013951249	0.006213999	0.419396371	0.010495659	5.89802E-06	43.05387878	9.18691E-05	0.000255792	0.000849606	0.00706347
2038 May	724.1474609	0.847570658	1.098505616	0.037440542	308.2884521	0.251851887	204.2468262	0	0	9.03133E-06	0.014510773	0.006463215	0.436216563	0.010916594	6.13457E-06	44.78058243	9.55535E-05	0.000266051	0.00088368	0.007346755
2038 Jun	660.5341797	0.745046914	0.965628207	0.032911662	270.9973145	0.240944549	195.4011841	0	0	8.6402E-06	0.013882332	0.006183303	0.417324662	0.010443812	5.86889E-06	42.84119797	9.14152E-05	0.000254528	0.000845409	0.007028578
2038 Jul	689.5568237	0.77682972	1.006820798	0.034315635	282.5577393	0.251912057	204.2956238	0	0	9.03349E-06	0.01451424	0.00646476	0.436320782	0.010919202	6.13603E-06	44.79128265	9.55764E-05	0.000266114	0.000883891	0.007348511
2038 Aug	706.1261597	0.793670595	1.028647661	0.035059564	288.6832886	0.258694768	209.7962799	0	0	9.27672E-06	0.014905035	0.006638824	0.448068708	0.011213202	6.30125E-06	45.99728775	9.81498E-05	0.000273279	0.00090769	0.007546369
2038 Sep	700.0087891	0.785214365	1.017687678	0.034686018	285.6074829	0.257085234	208.4909668	0	0	9.219E-06	0.014812299	0.006597518	0.44528091	0.011143436	6.26204E-06	45.71110153	9.75391E-05	0.000271579	0.000902042	0.007499417

Appendix D.2-29: WES01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2038 Oct	693.6708374	0.777303636	1.007435083	0.034336571	282.7301025	0.25507769	206.862915	0	0	9.14701E-06	0.014696633	0.006546	0.441803813	0.011056419	6.21314E-06	45.35414886	9.67774E-05	0.000269458	0.000894998	0.007440856
2038 Nov	694.1154175	0.77775377	1.008018255	0.034356453	282.8938293	0.255260408	207.0110931	0	0	9.15356E-06	0.01470716	0.006550688	0.442120284	0.011064338	6.21759E-06	45.38663864	9.68468E-05	0.000269651	0.000895639	0.007446186
2038 Dec	694.1939087	0.777841747	1.008132339	0.034360338	282.9258118	0.255289316	207.0345001	0	0	9.1546E-06	0.014708824	0.006551429	0.442170292	0.01106559	6.2183E-06	45.39177704	9.68577E-05	0.000269682	0.000895741	0.007447028
2039 Jan	694.204834	0.777853966	1.008148193	0.034360882	282.9302979	0.255293339	207.0377655	0	0	9.15474E-06	0.014709056	0.006551533	0.442177266	0.011065764	6.21839E-06	45.39248657	9.68592E-05	0.000269686	0.000895755	0.007447145
2039 Feb	694.2091675	0.777858853	1.008154631	0.034361094	282.9320374	0.255294919	207.0390625	0	0	9.1548E-06	0.014709148	0.006551573	0.442180037	0.011065834	6.21843E-06	45.39277267	9.68598E-05	0.000269688	0.00089576	0.007447192
2039 Mar	694.4345093	0.778111339	1.008481741	0.034372248	283.0238953	0.255377799	207.1062622	0	0	9.15777E-06	0.014713923	0.0065537	0.442323536	0.011069425	6.22045E-06	45.40750885	9.68913E-05	0.000269775	0.000896051	0.007449609
2039 Apr	695.2833862	0.779062569	1.009714603	0.034414269	283.369873	0.255689979	207.3594513	0	0	9.16897E-06	0.01473191	0.006561712	0.442864299	0.011082957	6.22806E-06	45.46301651	9.70097E-05	0.000270105	0.000897147	0.007458716
2039 May	699.1536865	0.783128858	1.014984846	0.034593891	284.8489075	0.257219225	208.5996246	0	0	9.2238E-06	0.01482002	0.006600956	0.44551301	0.011149243	6.2653E-06	45.73492432	9.75899E-05	0.000271721	0.000902512	0.007503326
2039 Jun	670.0100708	0.738417506	0.957036018	0.032618817	268.585968	0.251228303	203.7411041	0	0	9.00897E-06	0.014474845	0.006447213	0.435136497	0.010889565	6.11938E-06	44.66970825	9.53169E-05	0.000265392	0.000881492	0.007328565
2039 Jul	644.9061279	0.699445605	0.906526029	0.030897275	254.4106598	0.246247306	199.7016296	0	0	8.83035E-06	0.014187858	0.006319386	0.426509231	0.010673663	5.99805E-06	43.78406143	9.34271E-05	0.00026013	0.000864015	0.007183264
2039 Aug	641.4556885	0.692030132	0.896915019	0.030569702	251.7133942	0.246369943	199.8011017	0	0	8.83475E-06	0.014194925	0.006322534	0.426721662	0.01067898	6.00104E-06	43.80586624	9.34737E-05	0.00026026	0.000864445	0.007186843
2039 Sep	643.3430176	0.693038046	0.898221374	0.030614229	252.0800171	0.247497931	200.7158508	0	0	8.8752E-06	0.014259914	0.006351481	0.428675354	0.010727871	6.02852E-06	44.00642776	9.39016E-05	0.000261451	0.000868403	0.007219746
2039 Oct	641.8692627	0.690740526	0.895243645	0.030512735	251.244339	0.247209311	200.4817657	0	0	8.86485E-06	0.014243283	0.006344074	0.428175449	0.01071536	6.02148E-06	43.95510483	9.37921E-05	0.000261146	0.00086739	0.007211327
2039 Nov	642.3182983	0.691220641	0.895865917	0.030533941	251.4189758	0.24738349	200.6230316	0	0	8.8711E-06	0.01425332	0.006348544	0.428477138	0.01072291	6.02573E-06	43.98608017	9.38582E-05	0.00026133	0.000868001	0.007216407
2039 Dec	642.4013062	0.691309929	0.89598161	0.030537885	251.4514313	0.247415423	200.648941	0	0	8.87224E-06	0.01425516	0.006349364	0.428532451	0.010724295	6.02651E-06	43.99176025	9.38703E-05	0.000261364	0.000868113	0.00721734
2040 Jan	642.4016724	0.691310346	0.895982146	0.030537907	251.4516144	0.247415587	200.6490784	0	0	8.87225E-06	0.01425517	0.006349368	0.428532749	0.010724302	6.02651E-06	43.99178696	9.38704E-05	0.000261364	0.000868114	0.007217344
2040 Feb	642.4075317	0.691316664	0.895990372	0.030538183	251.4539032	0.247417867	200.6509094	0	0	8.87233E-06	0.014255301	0.006349426	0.428536654	0.010724399	6.02656E-06	43.9921875	9.38712E-05	0.000261367	0.000868122	0.00721741
2040 Mar	642.543396	0.691462815	0.896179795	0.03054464	251.5070801	0.247470155	200.6933441	0	0	8.87421E-06	0.014258315	0.006350769	0.428627282	0.010726668	6.02784E-06	44.00149155	9.38911E-05	0.000261422	0.000868306	0.007218936
2040 Apr	643.0133057	0.691968501	0.896835148	0.030566977	251.690979	0.24765113	200.8401031	0	0	8.8807E-06	0.014268742	0.006355413	0.428940713	0.010734512	6.03225E-06	44.03366852	9.39598E-05	0.000261613	0.00086894	0.007224216
2040 May	644.8969116	0.693616152	0.898970664	0.030639764	252.2903137	0.248528525	201.551651	0	0	8.91216E-06	0.014319293	0.006377929	0.430460393	0.010772543	6.05362E-06	44.18967438	9.42926E-05	0.00026254	0.000872019	0.00724981
2040 Jun	629.3139038	0.668742239	0.866732419	0.029540982	243.2428436	0.245772094	199.3162537	0	0	8.81331E-06	0.014160478	0.006307192	0.425686151	0.010653065	5.98648E-06	43.69956589	9.32468E-05	0.000259628	0.000862347	0.007169402
2040 Jul	630.361084	0.666725934	0.864119172	0.029451914	242.5094604	0.24743408	200.6640778	0	0	8.87291E-06	0.014256236	0.006349843	0.428564757	0.010725103	6.02696E-06	43.99507523	9.38774E-05	0.000261384	0.000868179	0.007217884
2040 Aug	633.15802	0.667714655	0.865400612	0.029495589	242.8690948	0.249320611	202.1940002	0	0	8.94056E-06	0.014364931	0.006398256	0.431832314	0.010806875	6.07291E-06	44.33050919	9.45932E-05	0.000263377	0.000874798	0.007272916
2040 Sep	632.1245728	0.664722502	0.861522675	0.029363418	241.780777	0.249675333	202.4816895	0	0	8.95328E-06	0.014385368	0.006407359	0.432446688	0.010822251	6.08155E-06	44.39358139	9.47277E-05	0.000263751	0.000876043	0.007283263
2040 Oct	631.9315186	0.663911879	0.860472023	0.029327609	241.4859161	0.24984242	202.6172028	0	0	8.95927E-06	0.014394996	0.006411647	0.432736099	0.010829494	6.08562E-06	44.42329025	9.47911E-05	0.000263928	0.000876629	0.007288137
2040 Nov	632.2527466	0.664198875	0.860844016	0.029340286	241.5903015	0.249989644	202.7365875	0	0	8.96455E-06	0.014403478	0.006415425	0.432991117	0.010835876	6.08921E-06	44.44946671	9.4847E-05	0.000264084	0.000877146	0.007292432
2040 Dec	632.291687	0.664239764	0.860896945	0.029342091	241.6051636	0.250005007	202.749054	0	0	8.9651E-06	0.014404363	0.00641582	0.433017731	0.010836542	6.08958E-06	44.45220184	9.48528E-05	0.0002641	0.0008772	0.007292881
2041 Jan	632.302063	0.664250612	0.860911071	0.029342573	241.6091309	0.25000912	202.7523804	0	0	8.96525E-06	0.0144046	0.006415925	0.433024824	0.01083672	6.08968E-06	44.45293045	9.48544E-05	0.000264104	0.000877214	0.007293
2041 Feb	632.3126831	0.664261818	0.860925555	0.029343065	241.6131744	0.250013322	202.7557983	0	0	8.9654E-06	0.014404842	0.006416033	0.433032095	0.010836901	6.08978E-06	44.45367813	9.4856E-05	0.000264109	0.000877229	0.007293122
2041 Mar	632.4015503	0.664355159	0.861046553	0.029347189	241.6471405	0.250048459	202.7842865	0	0	8.96666E-06	0.014406866	0.006416935	0.433092952	0.010838425	6.09064E-06	44.45992279	9.48693E-05	0.000264146	0.000877352	0.007294148
2041 Apr	632.6907349	0.664659023	0.861440301	0.029360611	241.7576599	0.25016281	202.8770294	0	0	8.97076E-06	0.014413456	0.00641987	0.433291048	0.010843381	6.09343E-06	44.48025894	9.49127E-05	0.000264266	0.000877753	0.007297484
2041 May	633.8632202	0.665701747	0.862791836	0.029406674	242.1369476	0.2507025	203.3147125	0	0	8.99012E-06	0.01444455	0.006433719	0.434225768	0.010866774	6.10657E-06	44.57621765	9.51175E-05	0.000264837	0.000879647	0.007313227
2041 Jun	623.1832275	0.648251653	0.84017545	0.028635835	235.7898102	0.248989299	201.9253082	0	0	8.92868E-06	0.014345841	0.006389753	0.43125844	0.010792514	6.06484E-06	44.271595	9.44675E-05	0.000263027	0.000873636	0.007263251
2041 Jul	608.1240845	0.623636782	0.808272898	0.027548498	226.8365631	0.246577457	199.9693604	0	0	8.84219E-06	0.01420688	0.00632786	0.427081078	0.010687973	6.00609E-06	43.84276199	9.35524E-05	0.000260479	0.000865173	0.007192895
2041 Aug	612.15979	0.626359701	0.81180203	0.02766878	227.8269958	0.248784021	201.7588654	0	0	8.92132E-06	0.014334015	0.006384486	0.430902928	0.010783617	6.05984E-06	44.23510361	9.43896E-05	0.00026281	0.000872916	0.007257263
2041 Sep	611.9386597	0.624430418	0.809301555	0.027583558	227.1252594	0.249380097	202.2422485	0	0	8.94269E-06	0.014368357	0.006399783	0.43193534	0.010809454	6.07436E-06	44.34108734	9.46157E-05	0.00026344	0.000875007	0.007274651
2041 Oct	610.4075317	0.62168932	0.80574888	0.027462471	226.1282043	0.249230936	202.1213074	0	0	8.93735E-06	0.014359765	0.006395955	0.431677014	0.01080299	6.07073E-06	44.31456757	9.45591E-05	0.000263282	0.000874484	0.0072703
2041 Nov	610.7305908	0.621952057	0.80608952	0.027474077	226.2238007	0.249389529	202.2499084	0	0	8.94303E-06	0.014368902	0.006400025	0.431951702	0.010809864	6.07459E-06	44.34276581	9.46193E-05	0.00026345	0.00087504	0.007274927
2041 Dec	610.7855225	0.622008026	0.806162	0.027476551	226.2441559	0.24941197	202.2681274	0	0	8.94384E-06	0.014370196	0.006400601	0.431990564	0.010810836	6.07514E-06	44.34675598	9.46278E-05	0.000263473	0.000875119	0.007275581
2042 Jan	610.8010864	0.62202388	0.806182504	0.02747725	226.2499237	0.249418348	202.2732697	0	0	8.94407E-06	0.014370561	0.006400764	0.432001561	0.010811112	6.07529E-06	44.34788513	9.46302E-05	0.00026348	0.000875141	0.007275767
2042 Feb	610.8045654	0.622027397	0.806187034	0.027477404	226.2511902	0.249419734	202.2743988	0	0	8.94412E-06	0.014370642	0.0064008	0.432003975	0.010811172	6.07533E-06	44.3481369	9.46308E-05	0.000263481	0.000875146	0.007275807
2042 Mar	610.8569946	0.622080803	0.806256294	0.027479766	226.2706146	0.249441162	202.2917938	0	0	8.94488E-06	0.014371877	0.00640135	0.432041109	0.010812101	6.07585E-06	44.35194397	9.46389E-05	0.000263504	0.000875221	0.007276433
2042 Apr	611.4127808	0.622646749	0.806989849	0.027504766	226.4764709	0.249668077	202.4758148	0	0	8.95302E-06	0.014384951	0.006407174	0.432434171	0.010821938	6.08138E-06	44.39229584	9.4725E-05	0.000263744	0.000876017	0.007283052
2042 May	613.2678223	0.624317288	0.809154928	0.027578559	227.0841064	0.250512719	203.1607971	0	0	8.98331E-06	0.014433617	0.006428849	0.433897108	0.010858548	6.10195E-06	44.54247284	9.50454E-05	0.000264636	0.000878981	0.007307691
2042 Jun	604.954895	0.610317349	0.791010082	0.026960125	221.9918671	0.249323815	202.1966095	0	0	8.94068E-06	0.014365115	0.006398338	0.431837857	0.010807015	6.07299E-06	44.33108139	9.45944E-05	0.00026338	0.000874809	0.00727301
2042 Jul	596.9740601	0.596020699	0.772480726	0.026328588	216.7917328	0.248523518	201.5475922	0	0	8.91198E-06	0.014319005	0.006377801	0.430451691	0.010772325	6.0535E-06	44.18878174	9.42907E-05	0.000262535	0.000872001	0.007249664
2042 Aug	589.6895752	0.583452702	0.75619185	0.02577341	212.2203522	0.247601241	200.7996521	0	0	8.87891E-06	0.014265868	0.006354133	0.428854346	0.01073235	6.03103E-06	44.02479935	9.39408E-05	0.00026156	0.000868765	0.007222761
2042 Sep	586.3540649	0.577407837	0.748357296	0.025506383	210.0216217	0.247294605	200.5509796	0	0	8.86791E-06	0.014248201	0.006346263	0.428323209	0.010719058	6.02356E-06	43.97027588	9.38245E-05	0.000261237	0.00086769	0.007213816
2042 Oct	584.1315308	0.573762536	0.743632734	0.025345355	208.6957092	0.246937826	200.2616272	0	0	8.85512E-06	0.014227644	0.006337108	0.427705228	0.010703593	6.01487E-06	43.90683746	9.36891E-05	0.00026086	0.000866438	0.007203408
2042 Nov	584.4165649	0.574017584	0.743963301	0.025356622	208.7884827	0.247068241	200.3673706	0	0	8.85979E-06	0.014235157	0.006340454	0.4279311	0.010709246	6.01805E-06	43.93002319	9.37386E-05	0.000260997	0.000866895	0.007207212
2042 Dec	584.4491577	0.574049592	0.744004786	0.025358036	208.8001251	0.24708201	200.3785553	0	0	8.86029E-06	0.01423595	0.006340807	0.427954972	0.010709843	6.01838E-06	43.93247604	9.37438E-05	0.000261012	0.000866944	0.007207613
2043 Jan	584.453186	0.574053586	0.744009912	0.025358211	208.8015747	0.247083694	200.3799438	0	0	8.86035E-06	0.014236049	0.006340851	0.427957922	0.010709917	6.01843E-06	43.9327774	9.37445E-05	0.000261014	0.00086695	0.007207663
2043 Feb	584.4556885	0.57405597	0.744013071	0.025358319	208.8024445	0.247084767	200.3807831	0	0	8.86038E-06	0.014236108	0.006340878	0.42795971	0.010709962	6.01845E-06	43.93296432	9.37449E-05	0.000261015	0.000866953	0.007207694
2043 Mar	584.4755859	0.57407552	0.744038403	0.025359182	208.8095703	0.247093186	200.387619	0	0	8.86069E-06	0.014236594	0.006341094	0.427974313	0.010710327	6.01866E-06	43.93445969	9.37481E-05	0.000261024	0.000866983	0.007207939
2043 Apr	584.9077148	0.574499965	0.744588494	0.025377931	208.9639435	0.247275859	200.5357666	0	0	8.86724E-06	0.014247119	0.006345782	0.428290725	0.010718245	6.02311E-06	43.96694183	9.38174E-05	0.000261217	0.000867624	0.007213268
2043 May	586.3824463	0.575683296	0.746122241	0.025430204	209.3943634	0.248006076	201.1279449	0	0	8.89342E-06	0.014289191	0.006364522	0.429555476	0.010749896	6.04089E-06	44.09677887	9.40944E-05	0.000261988	0.000870186	0.007234569
2043 Jun	578.3270264	0.562189758	0.728633702	0.024834143	204.4863434	0.246847317	200.1882019	0	0	8.85187E-06	0.014222427	0.006334784	0.427548468	0.01069967	6.01267E-06	43.89073944	9.36548E-05	0.000260764	0.00086612	0.007200767
2043 Jul	579.097229	0.560280323	0.726159036	0.024749795	203.7918243	0.248246044	201.3225708	0	0	8.90203E-06	0.014303018	0.00637068	0.429971159	0.010760299	6.04674E-06	44.13945007	9.41855E-05	0.000262242	0.000871028	0.00724157
2043 Aug	580.1442261	0.559128463	0.724666059	0.024698911	203.3728333	0.249566332	202.39328	0	0	8.94937E-06	0.014379088	0.006404562	0.432257891	0.010817526	6.0789E-06	44.37419891	9.46864E-05	0.000263636	0.00087566	0.007280083
2043 Sep	578.2738647	0.555141211	0.719498336	0.024522778	201.9225464	0.249641195	202.4539795	0	0	8.95206E-06	0.014383401	0.006406483	0.432387561	0.010820771	6.08072E-06	44.38750839	9.47148E-05	0.000263715	0.000875923	0.007282267
2043 Oct	576.6905518	0.552476823	0.716045141	0.024405083	200.9534454	0.249418318	202.2732544	0	0	8.94407E-06	0.01437056	0.006400763	0.432001501	0.010811111	6.07529E-06	44.3478775	9.46302E-05	0.00026348	0.000875141	0.007275766
2043 Nov	575.6168213	0.550866604	0.713958144	0.024333952	200.3677521	0.24918808	202.0865173	0	0	8.93581E-06	0.014357293	0.006394855	0.431602746	0.01080113	6.06968E-06	44.30694199	9.45429E-05	0.000263237	0.000874333	0.007269049
2043 Dec	575.6482544	0.550896645	0.713997126	0.02433528	200.3786774	0.24920167	202.0975342	0	0	8.9363E-06	0.014358076	0.006395204	0.43162626	0.01080172	6.07001E-06	44.3093605	9.4548E-05	0.000263251	0.000874381	0.007269446
2044 Jan	575.6572266	0.550905287	0.714008272	0.02433566	200.3818207	0.249205559	202.100708	0	0	8.93644E-06	0.014358301	0.006395304	0.431633025	0.010801888	6.07011E-06	44.31005096	9.45495E-05	0.000263255	0.000874394	0.007269559
2044 Feb	575.6951904	0.550941586	0.7140553	0.024337266	200.3950195	0.249221981	202.1140289	0	0	8.93702E-06	0.014359248	0.006395725	0.431661457	0.010802601	6.07051E-06	44.31297302	9.45557E-05	0.000263273	0.000874452	0.007270039
2044 Mar	575.7736206	0.551016629	0.714152575	0.024340579	200.4223175	0.249255911	202.1415558	0	0	8.93824E-06	0.014361204	0.006396596	0.431720257	0.010804072	6.07134E-06	44.31900787	9.45686E-05	0.000263308	0.000874571	0.007271029
2044 Apr	575.9675293	0.551202238	0.714393139	0.024348777	200.4898071	0.249339879	202.2096405	0	0	8.94125E-06	0.01436604	0.00639875	0.431865662	0.010807711	6.07338E-06	44.33393478	9.46005E-05	0.000263397	0.000874866	0.007273478
2044 May	577.2995605	0.552428842	0.715982914	0.024402961	200.9359741	0.249935746	202.6928711	0	0	8.96262E-06	0.014400372	0.006414042	0.432897747	0.010833539	6.08789E-06	44.43988037	9.48265E-05	0.000264027	0.000876957	0.00729086
2044 Jun	503.8971252	0.474549681	0.614877582	0.021051692	173.2660828	0.222205997	178.1396484	0.000114178	0.000114178	8.43268E-06	0.012925083	0.00565227	0.380080998	0.01031129	5.91104E-06	39.71000671	8.37504E-05	0.000243015	0.000776095	0.006486702
2044 Jul	376.4881287	0.347922087	0.450412959	0.015640786	128.557663	0.17096366	132.3414307	0.000348715	0.000348715	7.54915E-06	0.010224108	0.004234233	0.281492591	0.009486376	5.68704E-06	31.01094818	6.31679E-05	0.000205896	0.000588976	0.005001661
2044 Aug	282.8468933	0.256154716	0.331212223	0.01172622	96.3108139	0.13260825	98.07738495	0.000527325	0.000527325	6.90026E-06	0.00825471	0.0031711	0.207808897	0.008953754	5.53272E-06	24.56030464	4.77469E-05	0.000167163	0.000453849	0.003874757

Appendix D.2-29: WES01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2044 Sep	230.6985779	0.203995749	0.263474017	0.009494184	78.03908539	0.111323439	79.2457428	0.000619776	0.000619776	6.51305E-06	0.007183261	0.002581841	0.167362511	0.008680551	5.41797E-06	21.03005981	3.92216E-05	0.000135233	0.000383149	0.003242475
2044 Oct	211.7960205	0.185133487	0.238977239	0.008687312	71.44347382	0.103548013	72.36444092	0.000653594	0.000653594	6.37179E-06	0.006783605	0.002365558	0.152558118	0.008582161	5.37625E-06	19.74664116	3.61071E-05	0.000123623	0.000357083	0.003015391
2044 Nov	211.9375305	0.185221374	0.239091501	0.008691012	71.47397614	0.103626586	72.43232727	0.00065336	0.00065336	6.37366E-06	0.006787839	0.002367679	0.152703792	0.0085841	5.37714E-06	19.76013374	3.6138E-05	0.000123701	0.000357361	0.003017685
2044 Dec	211.9434357	0.185226545	0.239098161	0.008691254	71.47596741	0.103629477	72.4343338	0.000653378	0.000653378	6.37383E-06	0.006788028	0.002367745	0.152708054	0.008584339	5.37729E-06	19.76068306	3.6139E-05	0.000123705	0.000357371	0.003017769
2045 Jan	211.9434814	0.185226589	0.239098221	0.008691256	71.47598267	0.1036295	72.43434906	0.000653378	0.000653378	6.37384E-06	0.00678803	0.002367745	0.152708083	0.008584341	5.3773E-06	19.76068687	3.61391E-05	0.000123705	0.000357371	0.00301777
2045 Feb	211.9436188	0.185226694	0.23909837	0.008691262	71.47602844	0.103629567	72.43439484	0.000653379	0.000653379	6.37384E-06	0.006788034	0.002367747	0.152708188	0.008584346	5.3773E-06	19.76070023	3.61391E-05	0.000123705	0.000357372	0.003017772
2045 Mar	211.9556274	0.185237199	0.239111915	0.008691753	71.48007965	0.103635438	72.43849945	0.000653416	0.000653416	6.3742E-06	0.006788419	0.002367881	0.15271683	0.008584833	5.3776E-06	19.76181984	3.61411E-05	0.000123712	0.000357392	0.003017943
2045 Apr	211.9985962	0.185274735	0.239160389	0.008693516	71.4945755	0.103656441	72.45318604	0.000653548	0.000653548	6.37549E-06	0.006789795	0.002368361	0.152747795	0.008586573	5.37869E-06	19.76582527	3.61485E-05	0.000123737	0.000357464	0.003018555
2045 May	212.2768402	0.185517922	0.239474311	0.008704927	71.58840942	0.103792496	72.54828644	0.000654406	0.000654406	6.38386E-06	0.006798706	0.00237147	0.15294829	0.008597843	5.38575E-06	19.79176903	3.61959E-05	0.000123899	0.000357934	0.003022516
2045 Jun	206.3312073	0.178667381	0.230586022	0.008407338	69.11544037	0.101781674	70.78964233	0.000660857	0.000660857	6.33799E-06	0.006683496	0.002317284	0.14916192	0.008538201	5.36494E-06	19.43554878	3.54016E-05	0.000124022	0.000349917	0.002965862
2045 Jul	187.4843903	0.159835726	0.206127241	0.007602698	62.42776108	0.094338231	64.09710693	0.000695806	0.000695806	6.21323E-06	0.006278715	0.002111451	0.134733558	0.00840038	5.33625E-06	18.15208626	3.24075E-05	0.00012249	0.000321086	0.002753887
2045 Aug	166.5084381	0.139493942	0.179701343	0.006736583	55.28348923	0.085702851	56.3537674	0.00073747	0.00073747	6.07305E-06	0.005837965	0.001871882	0.118083403	0.008285564	5.30784E-06	16.69729996	2.89286E-05	0.000114372	0.000290482	0.002499378
2045 Sep	151.0218964	0.124195315	0.159831136	0.006082996	49.95452499	0.079261579	50.65800095	0.000765981	0.000765981	5.95804E-06	0.005521511	0.001693052	0.105858892	0.008218386	5.27545E-06	15.6411829	2.6346E-05	0.00010273	0.000269934	0.002306038
2045 Oct	144.2524261	0.117597759	0.151260927	0.005801737	47.6664238	0.076390468	48.11156464	0.000779048	0.000779048	5.90823E-06	0.005375811	0.001612616	0.100377925	0.008190797	5.26257E-06	15.17418098	2.51932E-05	9.76674E-05	0.000260598	0.002222182
2045 Nov	144.2757568	0.11761678	0.15128541	0.005802675	47.6741333	0.076402821	48.11934662	0.000779174	0.000779174	5.90919E-06	0.005376681	0.001612877	0.100394167	0.008192122	5.26342E-06	15.17663574	2.51972E-05	9.76832E-05	0.00026064	0.002222541
2045 Dec	144.2807617	0.117620863	0.151290655	0.005802876	47.67578888	0.076405481	48.12102127	0.000779201	0.000779201	5.90939E-06	0.005376867	0.001612933	0.100397654	0.008192406	5.26361E-06	15.17716312	2.51981E-05	9.76866E-05	0.000260649	0.002222618
2046 Jan	144.2815857	0.117621541	0.151291519	0.00580291	47.67605972	0.076405913	48.12129593	0.000779205	0.000779205	5.90942E-06	0.005376898	0.001612942	0.100398228	0.008192453	5.26364E-06	15.17724991	2.51982E-05	9.76871E-05	0.00026065	0.002222631
2046 Feb	144.282608	0.117622375	0.151292592	0.005802951	47.67640305	0.076406464	48.12163925	0.000779211	0.000779211	5.90947E-06	0.005376937	0.001612954	0.100398935	0.008192512	5.26367E-06	15.17735767	2.51984E-05	9.76878E-05	0.000260652	0.002222647
2046 Mar	144.2933502	0.11763113	0.151303858	0.005803383	47.67995071	0.076412141	48.12521744	0.000779269	0.000779269	5.90991E-06	0.005377337	0.001613074	0.100406408	0.008193121	5.26406E-06	15.17848778	2.52003E-05	9.76951E-05	0.000260672	0.002222812
2046 Apr	144.3394928	0.11766874	0.151352242	0.005805239	47.69519806	0.076436587	48.14060593	0.000779518	0.000779518	5.9118E-06	0.005379057	0.00161359	0.10043852	0.008195741	5.26575E-06	15.18334198	2.52084E-05	9.77263E-05	0.000260755	0.002223523
2046 May	144.5200195	0.117804691	0.15152739	0.005811793	47.74907303	0.076534674	48.20763016	0.000780223	0.000780223	5.91818E-06	0.005385591	0.001615792	0.100579508	0.008204412	5.27122E-06	15.20222473	2.52421E-05	9.78453E-05	0.000261092	0.002226379
2046 Jun	143.1978302	0.115637362	0.148722157	0.00571408	46.93157959	0.076337114	48.08431244	0.000777689	0.000777689	5.90079E-06	0.005366509	0.001612035	0.100317329	0.008172112	5.25534E-06	15.15468216	2.51795E-05	9.88663E-05	0.000259874	0.002221889
2046 Jul	136.5861969	0.108475499	0.139428079	0.005403944	44.33965683	0.073959038	45.99088287	0.000785688	0.000785688	5.84805E-06	0.005226805	0.001547946	0.095803641	0.008097097	5.23234E-06	14.72790241	2.42384E-05	0.00010013	0.000249916	0.002155968
2046 Aug	127.2652435	0.099569961	0.127856806	0.005025882	41.2170639	0.070089661	42.50193405	0.000805364	0.000805364	5.78933E-06	0.005030848	0.001440322	0.088300854	0.008050293	5.22401E-06	14.07586002	2.26746E-05	9.67536E-05	0.00023612	0.002041624
2046 Sep	119.9775696	0.092298761	0.118414588	0.004714309	38.68678665	0.067054905	39.84391022	0.000817718	0.000817718	5.73076E-06	0.004883968	0.001356415	0.082604319	0.008017985	5.20404E-06	13.58166599	2.14631E-05	9.02465E-05	0.000226877	0.001949546
2046 Oct	116.6852341	0.089013204	0.114148468	0.004573293	37.54536438	0.06566415	38.63183594	0.000823006	0.000823006	5.70239E-06	0.004812786	0.001317726	0.079997718	0.008001197	5.19325E-06	13.35679054	2.09097E-05	8.72939E-05	0.000222542	0.001908935
2046 Nov	116.7494965	0.089048065	0.114193842	0.004574735	37.55725479	0.065701701	38.66452408	0.00082288	0.00082288	5.70323E-06	0.004814792	0.001318746	0.080067918	0.008002034	5.19362E-06	13.36320972	2.09246E-05	8.73308E-05	0.000222675	0.001910031
2046 Dec	116.753479	0.089051105	0.114197731	0.004574891	37.55853653	0.065703943	38.66584396	0.000822908	0.000822908	5.70342E-06	0.004814956	0.001318791	0.080070645	0.008002307	5.19379E-06	13.36366463	2.09253E-05	8.73338E-05	0.000222683	0.001910097
2047 Jan	116.7539597	0.08905147	0.1141982	0.00457491	37.55868912	0.065704212	38.66600418	0.000822911	0.000822911	5.70345E-06	0.004814975	0.001318796	0.080070972	0.00800234	5.19382E-06	13.36371994	2.09254E-05	8.73341E-05	0.000222684	0.001910104
2047 Feb	116.754982	0.089052252	0.114199199	0.00457495	37.55901718	0.065704785	38.66633606	0.000822918	0.000822918	5.7035E-06	0.004815018	0.001318808	0.08007168	0.00800241	5.19386E-06	13.36383629	2.09256E-05	8.73349E-05	0.000222686	0.001910121
2047 Mar	116.7699203	0.089063644	0.114213817	0.004575535	37.5638237	0.06571319	38.67128372	0.000823024	0.000823024	5.70423E-06	0.004815634	0.001318977	0.080081925	0.008003434	5.19453E-06	13.36554623	2.09282E-05	8.73461E-05	0.000222714	0.001910365
2047 Apr	116.788681	0.089077957	0.11423216	0.00457627	37.56985855	0.065723747	38.67749786	0.000823156	0.000823156	5.70514E-06	0.004816407	0.001319189	0.080094792	0.00800472	5.19536E-06	13.3676939	2.09316E-05	8.73601E-05	0.00022275	0.001910762
2047 May	116.9767075	0.089181475	0.114366211	0.004580914	37.60808182	0.065836236	38.76710892	0.000823247	0.000823247	5.70954E-06	0.004823002	0.001322035	0.080285899	0.008010165	5.1985E-06	13.38788033	2.09738E-05	8.74809E-05	0.000223144	0.001913953
2047 Jun	116.5110321	0.088100277	0.112969697	0.004530628	37.18494034	0.065886259	38.85942841	0.000820005	0.000820005	5.69815E-06	0.004818575	0.001324896	0.08048825	0.007986381	5.18556E-06	13.38495159	2.10086E-05	8.83863E-05	0.000222956	0.001916339
2047 Jul	112.2218628	0.084063344	0.107720651	0.004361205	35.7606926	0.064154051	37.23468781	0.000831434	0.000831434	5.68252E-06	0.004723622	0.00127572	0.076969773	0.007966479	5.19327E-06	13.08520699	2.02958E-05	8.94855E-05	0.000215624	0.001868332
2047 Aug	106.8574219	0.079015963	0.101160005	0.0041482	33.99900055	0.061913066	35.18866348	0.000844215	0.000844215	5.65415E-06	0.004612003	0.001212863	0.07256721	0.00794715	5.1945E-06	12.70920086	1.93834E-05	8.76901E-05	0.000207581	0.001801942
2047 Sep	102.3924026	0.074615277	0.095445126	0.003959764	32.47394562	0.060019873	33.53430557	0.000851864	0.000851864	5.61738E-06	0.004521892	0.001160484	0.069024153	0.007929348	5.18179E-06	12.40326691	1.86279E-05	8.31857E-05	0.000202006	0.001744056
2047 Oct	100.3597107	0.072589055	0.092814535	0.003872612	31.77157784	0.059149377	32.7821579	0.000854885	0.000854885	5.59845E-06	0.004477304	0.001136308	0.067407168	0.007918489	5.17377E-06	12.26355648	1.82829E-05	8.11062E-05	0.000199379	0.001718639
2047 Nov	100.4255524	0.072619267	0.092854016	0.003873769	31.78113747	0.059189241	32.81852341	0.000854658	0.000854658	5.59895E-06	0.004479318	0.001137432	0.067485534	0.007918795	5.17375E-06	12.27018166	1.82991E-05	8.11434E-05	0.000199522	0.001719804
2047 Dec	100.4282761	0.072621234	0.092856541	0.003873874	31.7820015	0.059190847	32.81941223	0.000854681	0.000854681	5.59911E-06	0.004479439	0.001137463	0.067487359	0.00791901	5.17389E-06	12.27051353	1.82996E-05	8.11456E-05	0.000199527	0.001719851
2048 Jan	100.4293747	0.072622031	0.092857562	0.003873917	31.78235054	0.059191499	32.81977463	0.00085469	0.00085469	5.59917E-06	0.004479488	0.001137476	0.067488104	0.007919096	5.17395E-06	12.27064896	1.82998E-05	8.11465E-05	0.000199529	0.001719869
2048 Feb	100.4312363	0.072623372	0.092859268	0.003873989	31.7829361	0.05919259	32.82038116	0.000854706	0.000854706	5.59927E-06	0.004479571	0.001137497	0.067489348	0.007919243	5.17405E-06	12.27087498	1.83002E-05	8.1148E-05	0.000199533	0.001719901
2048 Mar	100.4315643	0.07262361	0.092859574	0.003874001	31.783041	0.059192784	32.82048798	0.000854709	0.000854709	5.59929E-06	0.004479586	0.0011375	0.067489572	0.007919269	5.17406E-06	12.27091503	1.83002E-05	8.11483E-05	0.000199533	0.001719907
2048 Apr	100.4542389	0.072639465	0.092879869	0.003874837	31.78989792	0.059206229	32.82830811	0.000854882	0.000854882	5.60048E-06	0.004480578	0.001137768	0.06750574	0.007920939	5.17515E-06	12.27366066	1.83045E-05	8.11663E-05	0.000199579	0.001720298
2048 May	100.5457993	0.072705433	0.092964225	0.003878352	31.81873322	0.059260227	32.85840988	0.000855653	0.000855653	5.60555E-06	0.004484653	0.00113881	0.067567676	0.007928106	5.17983E-06	12.28483582	1.83212E-05	8.12401E-05	0.000199761	0.001721867
2048 Jun	100.2785187	0.072000496	0.09205503	0.003844872	31.53602028	0.059320249	32.95587921	0.00085265	0.00085265	5.59549E-06	0.004481811	0.001141793	0.067781329	0.007907482	5.16818E-06	12.28530884	1.83586E-05	8.19596E-05	0.000199692	0.001724346
2048 Jul	97.98542786	0.069513261	0.088827886	0.003736855	30.62440109	0.058515869	32.2478447	0.00085503	0.00085503	5.57632E-06	0.004430968	0.001120387	0.066251129	0.007874548	5.15898E-06	12.13520241	1.80418E-05	8.32828E-05	0.000195941	0.001702931
2048 Aug	94.55643463	0.066253707	0.08459188	0.003598876	29.48208237	0.057097867	30.95944786	0.000862742	0.000862742	5.55684E-06	0.004360034	0.001080846	0.063480757	0.007859416	5.15811E-06	11.89574146	1.74663E-05	8.22149E-05	0.000190834	0.001660795
2048 Sep	91.50946808	0.063303694	0.080760211	0.003472911	28.46593094	0.055780698	29.80546188	0.000868323	0.000868323	5.53231E-06	0.004298578	0.001044254	0.06100988	0.007850222	5.1504E-06	11.68485451	1.69394E-05	7.88306E-05	0.000187063	0.001620264
2048 Oct	90.11593628	0.061923057	0.078967795	0.003413519	27.98927498	0.055175185	29.28403473	0.000870373	0.000870373	5.51893E-06	0.004267699	0.001027405	0.059888888	0.007843236	5.1446E-06	11.58856583	1.66997E-05	7.72454E-05	0.000185287	0.001602585
2048 Nov	90.15867615	0.06194137	0.078991696	0.00341424	27.99522591	0.055201892	29.30770683	0.000870259	0.000870259	5.51943E-06	0.004269096	0.001028141	0.059939791	0.007843683	5.14476E-06	11.59308338	1.67104E-05	7.72711E-05	0.000185382	0.001603365
2048 Dec	90.16053772	0.061942652	0.078993328	0.003414311	27.99580193	0.055203032	29.30831146	0.000870277	0.000870277	5.51955E-06	0.004269185	0.001028162	0.059941027	0.007843846	5.14486E-06	11.5933218	1.67108E-05	7.72727E-05	0.000185386	0.001603398
2049 Jan	90.16088867	0.06194289	0.078993633	0.003414324	27.99591255	0.055203248	29.3084259	0.000870281	0.000870281	5.51957E-06	0.004269201	0.001028167	0.059941258	0.007843875	5.14488E-06	11.59336662	1.67108E-05	7.7273E-05	0.000185387	0.001603404
2049 Feb	90.16116333	0.061943073	0.078993872	0.003414334	27.99599648	0.055203412	29.30851364	0.000870283	0.000870283	5.51958E-06	0.004269214	0.001028169	0.059941437	0.007843899	5.1449E-06	11.59340096	1.67109E-05	7.72732E-05	0.000185387	0.001603409
2049 Mar	90.16441345	0.061945312	0.078996725	0.003414457	27.99700546	0.055205401	29.30956841	0.000870315	0.000870315	5.51978E-06	0.004269368	0.001028207	0.059943601	0.007844182	5.14508E-06	11.59382057	1.67115E-05	7.7276E-05	0.000185394	0.001603467
2049 Apr	90.18128204	0.061956897	0.0790115	0.003415096	28.00224304	0.055215728	29.31505203	0.000870477	0.000870477	5.52081E-06	0.004270167	0.001028399	0.059954815	0.007845649	5.14605E-06	11.59598827	1.67146E-05	7.72905E-05	0.000185429	0.001603767
2049 May	90.26811981	0.062010914	0.079080589	0.003417966	28.02578926	0.055269558	29.34767723	0.000871098	0.000871098	5.52527E-06	0.004274044	0.001029503	0.060022596	0.007851872	5.15007E-06	11.60682869	1.6732E-05	7.73609E-05	0.000185611	0.001605332
2049 Jun	90.14159393	0.061512351	0.078438886	0.003393588	27.81936646	0.05535879	29.46997261	0.000868077	0.000868077	5.51618E-06	0.004273321	0.001033225	0.060289994	0.007833196	5.13905E-06	11.6131897	1.67806E-05	7.7981E-05	0.000185701	0.001608536
2049 Jul	88.5107193	0.059768386	0.076175705	0.003318074	27.17919922	0.054785181	28.95895004	0.000870033	0.000870033	5.50357E-06	0.00423653	0.00101788	0.059183702	0.007809836	5.13362E-06	11.50530338	1.65534E-05	7.91735E-05	0.000182919	0.001593501
2049 Aug	85.97484589	0.057471529	0.07318759	0.003222533	26.38690948	0.053707413	27.94857025	0.00087763	0.00087763	5.49582E-06	0.004184774	0.000987077	0.057006501	0.007808903	5.14054E-06	11.32646751	1.61076E-05	7.84459E-05	0.000179005	0.001561436
2049 Sep	83.77529907	0.055343289	0.070423394	0.003131601	25.65577698	0.052749813	27.11285973	0.000881584	0.000881584	5.47757E-06	0.004140768	0.00096049	0.055218592	0.007802933	5.13448E-06	11.1741848	1.5725E-05	7.57599E-05	0.00017636	0.001531745
2049 Oct	82.77603912	0.054342218	0.069123909	0.003088451	25.31093025	0.052314952	26.74083328	0.00088296	0.00088296	5.46757E-06	0.004118648	0.000948385	0.05441891	0.007798098	5.1299E-06	11.10571671	1.55533E-05	7.44981E-05	0.000175131	0.001519049
2049 Nov	82.81342316	0.054357197	0.069143414	0.003089062	25.31596947	0.052338995	26.76148605	0.000882895	0.000882895	5.46817E-06	0.004119952	0.000949031	0.054463211	0.007798735	5.1302E-06	11.10985851	1.55628E-05	7.45221E-05	0.000175216	0.001519751
2049 Dec	82.8152771	0.054358412	0.069144957	0.003089131	25.31653404	0.052340161	26.76208115	0.000882915	0.000882915	5.46829E-06	0.004120044	0.000949052	0.05446443	0.007798909	5.13031E-06	11.11010647	1.55631E-05	7.45237E-05	0.00017522	0.001519785
2050 Jan	82.81578064	0.054358743	0.069145389	0.00308915	25.31669044	0.052340485	26.76224709	0.00088292	0.00088292	5.46832E-06	0.00412007	0.000949058	0.054464761	0.007798956	5.13034E-06	11.11017513	1.55632E-05	7.45242E-05	0.000175221	0.001519794
2050 Feb	82.815979	0.054358874	0.069145553	0.003089157	25.31675148	0.052340608	26.76231003	0.000882922	0.000882922	5.46833E-06	0.004120079	0.00094906	0.054464895	0.007798975	5.13036E-06	11.11020184	1.55632E-05	7.45244E-05	0.000175222	0.001519798
2050 Mar	82.8164978	0.054359213	0.069145985	0.003089176	25.31690979	0.052340936	26.76247597	0.000882928	0.000882928	5.46837E-06	0.004120105	0.000949066	0.054465231	0.007799023	5.13039E-06	11.1102705	1.55633E-05	7.45248E-05	0.000175223	0.001519807
2050 Apr	82.8266983	0.054365907	0.069154501	0.003089557	25.3200264	0.052347384	26.76577377	0.000883036	0.000883036	5.46904E-06	0.004120613	0.000949183	0.05447194	0.007799984	5.13102E-06	11.11163902	1.55653E-05	7.4534E-05	0.000175244	0.001519995
2050 May	82.87733459	0.054398146	0.069195546	0.00309137	25.33488846	0.052379485	26.7829361	0.000883536	0.000883536	5.47223E-06	0.004123088	0.000949784	0.054507073	0.007804505	5.13398E-06	11.11836815	1.5575E-05	7.45788E-05	0.000175352	0.001520927
2050 Jun	82.73948669	0.054015119	0.068701558	0.003073164	25.18001747	0.052420422	26.84230423	0.000881884	0.000881884	5.46698E-06	0.00412161	0.000951643	0.054636348	0.007792861	5.12777E-06	11.11944389	1.55986E-05	7.50882E-05	0.000175297	0.001522624
2050 Jul	81.56044769	0.052702654	0.066999771	0.003015582	24.69028854	0.052025028	26.50312042	0.000882392	0.000882392	5.45486E-06	0.004094158	0.000941482	0.053902745	0.007769689	5.12035E-06	11.04169846	1.54461E-05	7.61867E-05	0.000173262	0.001512555
2050 Aug	80.48402405	0.051684603	0.065675192	0.002973308	24.3327446	0.051602483	26.0936985	0.000885853	0.000885853	5.45379E-06	0.004071495	0.000929249	0.053014431	0.007767884	5.12518E-06	10.96869183	1.52689E-05	7.66521E-05	0.000171397	0.001500875
2050 Sep	80.74047852	0.051761426	0.065775812	0.002976143	24.35629463	0.051775295	26.24667168	0.000885136	0.000885136	5.45707E-06	0.004080621	0.000934004	0.053343453	0.007770959	5.12625E-06	10.99801159	1.5338E-05	7.68059E-05	0.000172016	0.0015059
2050 Oct	80.81609344	0.051793922	0.065817751	0.002977677	24.36890793	0.051824894	26.28463936	0.000885263	0.000885263	5.45936E-06	0.004083636	0.000935221	0.053424153	0.007773901	5.12802E-06	11.00708771	1.53562E-05	7.68615E-05	0.000172189	0.001507346
2050 Nov	80.82893372	0.051801972	0.065827981	0.002978136	24.3726635	0.051833145	26.28897476	0.000885395	0.000885395	5.4602E-06	0.004084276	0.000935373	0.053433005	0.007775087	5.1288E-06	11.00882339	1.53587E-05	7.68735E-05	0.000172216	0.001507586
2050 Dec	80.83047485	0.051802959	0.065829232	0.002978192	24.37312698	0.051834133	26.28947639	0.000885412	0.000885412	5.4603E-06	0.004084353	0.000935391	0.053434025	0.007775235	5.12889E-06	11.0090332	1.5359E-05	7.6875E-05	0.00017222	0.001507615

Appendix D.2-29: WES01

Constituents	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	1.0E-02	2.3E-05	4.4E+00	1.2E+01	1.2E-01	1.4E-03	6.9E+01	1.7E-02	1.2E-03	1.8E-05	2.4E-03	8.3E-04	4.5E-01	8.3E-07	6.9E-04	1.2E-03	1.7E-03	5.2E-03
Operations (2020-2043): Mean	2.0E-02	4.6E-05	8.6E+00	2.4E+01	2.3E-01	2.7E-03	2.0E+02	3.4E-02	2.3E-03	3.5E-05	4.7E-03	1.6E-03	8.8E-01	1.6E-06	1.3E-03	2.3E-03	3.3E-03	1.0E-02
Operations (2020-2043): Max	2.8E-02	6.6E-05	1.2E+01	3.4E+01	3.3E-01	0.00386	5.1E+02	4.8E-02	3.3E-03	4.9E-05	6.7E-03	2.3E-03	1.3E+00	2.3E-06	1.9E-03	3.3E-03	4.7E-03	1.5E-02
Active Closure (2044-2050): Min	1.3E-02	5.8E-06	1.7E+00	3.7E+00	2.8E-02	3.7E-04	9.7E+00	4.2E-03	2.3E-03	3.4E-05	5.5E-04	2.2E-04	1.3E-01	1.6E-06	1.7E-04	3.2E-04	1.1E-03	1.2E-03
Active Closure (2044-2050): Mean	1.4E-02	1.2E-05	2.8E+00	6.8E+00	5.9E-02	7.3E-04	1.9E+01	8.7E-03	3.8E-03	3.7E-05	1.2E-03	4.4E-04	2.4E-01	1.9E-06	3.5E-04	6.2E-04	1.4E-03	2.5E-03
Active Closure (2044-2050): Max	1.9E-02	4.6E-05	8.5E+00	2.4E+01	2.3E-01	2.7E-03	6.9E+01	3.3E-02	4.1E-03	4.0E-05	4.6E-03	1.6E-03	8.7E-01	2.0E-06	1.3E-03	2.3E-03	3.3E-03	1.0E-02
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Note: Calculation excludes zero values; Values higher than ap																		
Model Predictions (2020-2050)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0.009981057	2.34428E-05	4.37420845	12.32790089	0.11713355	0.001381579	184.9483032	0.01715501	0.001171336	1.76906E-05	0.002383352	0.000831428	0.448306859	8.26645E-07	0.000687516	0.001190392	0.001681101	0.005209509
2025 Jul	0.021677561	5.09147E-05	9.500212669	26.7746048	0.254398882	0.00300061	401.6837463	0.037258461	0.002543989	3.84216E-05	0.005176333	0.001805753	0.973664343	1.79537E-06	0.001493196	0.002585376	0.003651133	0.011314378
2025 Aug	0.022603	5.30883E-05	9.905788422	27.91764069	0.265259475	0.00312871	418.8320618	0.038849067	0.002652595	4.00619E-05	0.005397316	0.001882843	1.015231133	1.87201E-06	0.001556942	0.002695749	0.003807004	0.011797401
2025 Sep	0.019835064	4.65872E-05	8.692736626	24.49888039	0.232776105	0.002745572	367.5424194	0.034091655	0.002327761	3.51559E-05	0.004736367	0.001652272	0.890907109	1.64277E-06	0.001366281	0.002365631	0.003340803	0.010352706
2025 Oct	0.018752463	4.40444E-05	8.218286514	23.16172981	0.220071182	0.002595718	347.4819031	0.032230932	0.002200712	3.32371E-05	0.004477856	0.001562091	0.842281401	1.5531E-06	0.001291709	0.002236514	0.003158461	0.009787655
2025 Nov	0.018561995	4.35971E-05	8.134813309	22.92647171	0.217835888	0.002569353	343.9525146	0.031903557	0.002178359	3.28995E-05	0.004432374	0.001546225	0.833726168	1.53733E-06	0.001278589	0.002213798	0.00312638	0.00968824

Appendix D.2-29: WES01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Dec	0.018582456	4.36451E-05	8.143779755	22.95174599	0.218076006	0.002572185	344.331665	0.031938724	0.00218076	3.29358E-05	0.004437259	0.001547929	0.834645212	1.53902E-06	0.001279998	0.002216238	0.003129827	0.00969892
2026 Jan	0.018585041	4.36512E-05	8.144913673	22.95493889	0.218106344	0.002572543	344.3795471	0.031943168	0.002181064	3.29404E-05	0.004437877	0.001548145	0.834761381	1.53924E-06	0.001280176	0.002216546	0.003130262	0.009700269
2026 Feb	0.018586477	4.36546E-05	8.145543098	22.95671272	0.218123198	0.002572742	344.4061584	0.031945638	0.002181232	3.29429E-05	0.00443822	0.001548264	0.834825933	1.53936E-06	0.001280275	0.002216717	0.003130504	0.009701019
2026 Mar	0.018618377	4.37295E-05	8.1595231	22.99611282	0.218497574	0.002577158	344.9972839	0.032000467	0.002184976	3.29995E-05	0.004445837	0.001550921	0.836258709	1.542E-06	0.001282473	0.002220522	0.003135877	0.009717669
2026 Apr	0.018762859	4.40689E-05	8.222841263	23.17456627	0.220193148	0.002597157	347.67453	0.032248795	0.002201932	3.32555E-05	0.004480338	0.001562957	0.842748225	1.55397E-06	0.001292425	0.002237754	0.003160212	0.009793079
2026 May	0.019379208	4.55165E-05	8.492958069	23.9358387	0.227426365	0.002682472	359.0954285	0.033308152	0.002274264	3.4348E-05	0.004627515	0.001614299	0.870432079	1.60501E-06	0.00133488	0.002311263	0.003264023	0.010114777
2026 Jun	0.019240065	4.51897E-05	8.431977272	23.76397705	0.225793421	0.002663212	356.5170898	0.033068996	0.002257935	3.41013E-05	0.004594288	0.001602708	0.864182234	1.59349E-06	0.001325296	0.002294668	0.003240587	0.010042151
2026 Jul	0.023162052	5.44014E-05	10.15079308	28.60814285	0.271820247	0.003206094	429.1912842	0.039809939	0.002718203	4.10527E-05	0.00553081	0.001929412	1.040341496	1.91831E-06	0.001595451	0.002762424	0.003901164	0.012089193
2026 Aug	0.021322824	5.00815E-05	9.344749451	26.33645821	0.250235826	0.002951508	395.1104736	0.036648754	0.002502359	3.77929E-05	0.005091626	0.001776204	0.957731068	1.76599E-06	0.001468761	0.002543068	0.003591385	0.011129227
2026 Sep	0.020162519	4.73563E-05	8.836245537	24.90333176	0.236618981	0.002790898	373.6101379	0.034654472	0.00236619	3.57363E-05	0.00481456	0.001679549	0.905615032	1.66989E-06	0.001388837	0.002404685	0.003395956	0.010523617
2026 Oct	0.018460084	4.33577E-05	8.090150833	22.80060005	0.216639906	0.002555247	342.0641174	0.031728398	0.002166399	3.27189E-05	0.004408039	0.001537736	0.829148889	1.52889E-06	0.001271569	0.002201643	0.003109216	0.00963505
2026 Nov	0.018460084	4.33577E-05	8.090150833	22.80060005	0.216639906	0.002555247	342.0641174	0.031728398	0.002166399	3.27189E-05	0.004408039	0.001537736	0.829148889	1.52889E-06	0.001271569	0.002201643	0.003109216	0.00963505
2026 Dec	0.018460084	4.33577E-05	8.090150833	22.80060005	0.216639906	0.002555247	342.0641174	0.031728398	0.002166399	3.27189E-05	0.004408039	0.001537736	0.829148889	1.52889E-06	0.001271569	0.002201643	0.003109216	0.00963505
2027 Jan	0.018460084	4.33577E-05	8.090150833	22.80060005	0.216639906	0.002555247	342.0641174	0.031728398	0.002166399	3.27189E-05	0.004408039	0.001537736	0.829148889	1.52889E-06	0.001271569	0.002201643	0.003109216	0.00963505
2027 Feb	0.018460084	4.33577E-05	8.090150833	22.80060005	0.216639906	0.002555247	342.0641174	0.031728398	0.002166399	3.27189E-05	0.004408039	0.001537736	0.829148889	1.52889E-06	0.001271569	0.002201643	0.003109216	0.00963505
2027 Mar	0.018460084	4.33577E-05	8.090150833	22.80060005	0.216639906	0.002555247	342.0641174	0.031728398	0.002166399	3.27189E-05	0.004408039	0.001537736	0.829148889	1.52889E-06	0.001271569	0.002201643	0.003109216	0.00963505
2027 Apr	0.018460084	4.33577E-05	8.090150833	22.80060005	0.216639906	0.002555247	342.0641174	0.031728398	0.002166399	3.27189E-05	0.004408039	0.001537736	0.829148889	1.52889E-06	0.001271569	0.002201643	0.003109216	0.00963505
2027 May	0.018590409	4.36638E-05	8.147266388	22.96157265	0.218169376	0.002573287	344.4790649	0.031952396	0.002181694	3.29499E-05	0.004439159	0.001548592	0.835002601	1.53968E-06	0.001280546	0.002217187	0.003131167	0.009703072
2027 Jun	0.018969968	4.45553E-05	8.313607216	23.43037415	0.222623676	0.002625825	351.5122375	0.032604761	0.002226237	3.36226E-05	0.004529792	0.001580209	0.852050662	1.57112E-06	0.001306691	0.002262455	0.003195095	0.009901178
2027 Jul	0.023891313	5.61142E-05	10.47039223	29.50887489	0.28037855	0.003307038	442.7044373	0.041063361	0.002803786	4.23453E-05	0.005704949	0.00199016	1.073096752	1.97871E-06	0.001645684	0.0028494	0.004023993	0.012469823
2027 Aug	0.021923874	5.14932E-05	9.608160973	27.07883072	0.257289529	0.003034705	406.2479248	0.037681814	0.002572895	3.88582E-05	0.005235149	0.001826271	0.984727621	1.81577E-06	0.001510162	0.002614753	0.003692619	0.011442939
2027 Sep	0.019546133	4.59086E-05	8.566113472	24.14201164	0.229385331	0.002705578	362.1885376	0.033595055	0.002293854	3.46438E-05	0.004667374	0.001628204	0.877929628	1.61884E-06	0.001346379	0.002331171	0.003292138	0.010201901
2027 Oct	0.018890908	4.43696E-05	8.278960228	23.33272552	0.2216959	0.002614882	350.0473022	0.032468885	0.002216959	3.34825E-05	0.004510914	0.001573624	0.848499715	1.56457E-06	0.001301245	0.002253026	0.00318178	0.009859914
2027 Nov	0.019031843	4.47006E-05	8.340724945	23.50679779	0.223349839	0.00263439	352.658783	0.032711111	0.002233499	3.37323E-05	0.004544568	0.001585363	0.854829848	1.57624E-06	0.001310953	0.002269834	0.003205517	0.009933473
2027 Dec	0.019055001	4.4755E-05	8.350873947	23.5354023	0.223621622	0.002637596	353.0878906	0.032750919	0.002236217	3.37733E-05	0.004550098	0.001587293	0.855870068	1.57816E-06	0.001312548	0.002272597	0.003209417	0.00994556
2028 Jan	0.019055098	4.47552E-05	8.350915909	23.53552246	0.223622754	0.002637609	353.0897217	0.032751087	0.002236228	3.37735E-05	0.004550121	0.001587301	0.855874419	1.57817E-06	0.001312555	0.002272608	0.003209434	0.009945611
2028 Feb	0.019061036	4.47692E-05	8.35351944	23.54285622	0.223692447	0.002638431	353.1997375	0.032761291	0.002236925	3.3784E-05	0.004551539	0.001587795	0.85614115	1.57866E-06	0.001312964	0.002273316	0.003210434	0.009948711
2028 Mar	0.019073106	4.47975E-05	8.358808517	23.55776405	0.223834082	0.002640101	353.4234009	0.032782033	0.002238341	3.38054E-05	0.004554421	0.001588801	0.856683254	1.57966E-06	0.001313795	0.002274756	0.003212467	0.009955009
2028 Apr	0.019257616	4.52309E-05	8.439670563	23.78565788	0.225999415	0.002665641	356.8423462	0.033099163	0.002259995	3.41325E-05	0.00459848	0.001604171	0.864970684	1.59494E-06	0.001326505	0.002296761	0.003243544	0.010051314
2028 May	0.020107901	4.7228E-05	8.812307358	24.83586693	0.235977992	0.002783338	372.598053	0.034560595	0.00235978	3.56395E-05	0.004801517	0.001675	0.903161764	1.66536E-06	0.001385074	0.00239817	0.003386756	0.010495109
2028 Jun	0.019124536	4.49183E-05	8.381346703	23.62128448	0.224437654	0.002647221	354.3763733	0.03287043	0.002244377	3.38966E-05	0.004566702	0.001593085	0.858993292	1.58392E-06	0.001317338	0.00228089	0.003221129	0.009981854
2028 Jul	0.026385365	6.19721E-05	11.56341267	32.58935547	0.309647739	0.003652265	488.9190369	0.045350034	0.003096478	4.67658E-05	0.006300498	0.002197916	1.185118914	2.18527E-06	0.001817479	0.003146853	0.004444064	0.013771567
2028 Aug	0.027279796	6.40728E-05	11.95539856	33.694918	0.320144415	0.003776072	505.4927979	0.046887342	0.003201445	4.83511E-05	0.006514077	0.002272422	1.22529304	2.25935E-06	0.00187909	0.003253527	0.004594712	0.014238406
2028 Sep	0.021349164	5.01434E-05	9.356292725	26.36898804	0.250544965	0.002955154	395.5985718	0.036694027	0.00250545	3.78395E-05	0.005097915	0.001778397	0.958914101	1.76817E-06	0.001470575	0.00254621	0.003595821	0.011142975
2028 Oct	0.018556282	4.35837E-05	8.132309914	22.91941833	0.217768863	0.002568563	343.8466797	0.031893741	0.002177689	3.28894E-05	0.00443101	0.001545749	0.833469748	1.53686E-06	0.001278196	0.002213117	0.003125418	0.009685259
2028 Nov	0.018858206	4.42928E-05	8.264627457	23.2923336	0.221312091	0.002610355	349.4412537	0.032412674	0.002213121	3.34245E-05	0.004503105	0.001570899	0.847030759	1.56186E-06	0.001298993	0.002249125	0.003176271	0.009842845
2028 Dec	0.018900475	4.43921E-05	8.28315258	23.34454155	0.22180815	0.002616206	350.2245178	0.032485325	0.002218082	3.34994E-05	0.004513199	0.00157442	0.848929405	1.56536E-06	0.001301904	0.002254167	0.003183391	0.009864907
2029 Jan	0.018900508	4.43922E-05	8.283165932	23.3445816	0.221808538	0.00261621	350.2251282	0.032485381	0.002218086	3.34995E-05	0.004513206	0.001574423	0.848930776	1.56537E-06	0.001301907	0.002254171	0.003183396	0.009864924
2029 Feb	0.018900508	4.43922E-05	8.283165932	23.3445816	0.221808538	0.00261621	350.2251282	0.032485381	0.002218086	3.34995E-05	0.004513206	0.001574423	0.848930776	1.56537E-06	0.001301907	0.002254171	0.003183396	0.009864924
2029 Mar	0.018921677	4.44419E-05	8.292444229	23.37072754	0.22205697	0.002619141	350.6174011	0.032521766	0.00222057	3.3537E-05	0.004518262	0.001576187	0.849881649	1.56712E-06	0.001303365	0.002256695	0.003186962	0.009875973
2029 Apr	0.019048503	4.47398E-05	8.348025322	23.52734427	0.223545343	0.002636696	352.9674683	0.032739747	0.002235454	3.37618E-05	0.004548546	0.001586751	0.855578125	1.57762E-06	0.001312101	0.002271821	0.003208323	0.009942167
2029 May	0.019921679	4.67906E-05	8.730696678	24.60586166	0.233792588	0.002757561	368.0985718	0.034240525	0.002337926	3.53094E-05	0.00475705	0.001659487	0.894797564	1.64994E-06	0.001372247	0.002375961	0.003355391	0.010397914
2029 Jun	0.020397756	4.79088E-05	8.93933773	25.19387817	0.239379629	0.00282346	352.5645447	0.035058785	0.002393797	3.61532E-05	0.004870731	0.001699145	0.916180909	1.68937E-06	0.00140504	0.00243274	0.003435576	0.010646397
2029 Jul	0.021348884	5.01427E-05	9.356169701	26.36864471	0.250541657	0.002955115	345.8174744	0.036693543	0.002505417	3.7839E-05	0.005097848	0.001778374	0.958901525	1.76814E-06	0.001470556	0.002546176	0.003595774	0.011142829
2029 Aug	0.020824205	4.89104E-05	9.126229286	25.72059822	0.244384259	0.002882489	337.2825012	0.035791747	0.002443843	3.69091E-05	0.004972562	0.001734668	0.935335159	1.72469E-06	0.001434415	0.002483601	0.003507403	0.010868978
2029 Sep	0.020053757	4.71008E-05	8.788579941	24.76899719	0.235342607	0.002775843	324.8007813	0.034467541	0.002353427	3.55435E-05	0.004788589	0.00167049	0.900729954	1.66088E-06	0.001381345	0.002391713	0.003377637	0.010466851
2029 Oct	0.019185577	4.50617E-05	8.408098221	23.69668007	0.225153998	0.00265567	310.7389832	0.032975346	0.00225154	3.40048E-05	0.004581278	0.00159817	0.861734986	1.58898E-06	0.001321543	0.002288169	0.00323141	0.010013714
2029 Nov	0.019173583	4.50335E-05	8.402843475	23.68186569	0.225013256	0.00265401	310.5447388	0.032954734	0.002250133	3.39835E-05	0.004578413	0.00159717	0.86119628	1.58798E-06	0.001320717	0.002286739	0.00322939	0.010007453
2029 Dec	0.019191101	4.50747E-05	8.410518646	23.70350075	0.225218818	0.002656434	310.8284607	0.032984838	0.002252188	3.40146E-05	0.004582596	0.00159863	0.861983001	1.58943E-06	0.001321923	0.002288828	0.00323234	0.010016595
2030 Jan	0.019191541	4.50757E-05	8.410712242	23.70404625	0.225223988	0.002656495	310.8355713	0.032985598	0.00225224	3.40153E-05	0.004582702	0.001598666	0.86200285	1.58947E-06	0.001321954	0.002288881	0.003232415	0.010016826
2030 Feb	0.019200068	4.50957E-05	8.414449692	23.71457863	0.225324064	0.002657676	310.9736938	0.033000253	0.002253241	3.40305E-05	0.004584738	0.001599377	0.862385869	1.59018E-06	0.001322541	0.002289898	0.003233851	0.010021277
2030 Mar	0.019226726	4.51584E-05	8.426131248	23.74750137	0.225636885	0.002661366	311.4054565	0.033046067	0.002256369	3.40777E-05	0.004591103	0.001601597	0.863583148	1.59238E-06	0.001324377	0.002293077	0.003238341	0.01003519
2030 Apr	0.019337423	4.54184E-05	8.474646568	23.88422966	0.226936013	0.002676688	313.1983643	0.033236336	0.00226936	3.42739E-05	0.004617537	0.001610818	0.868555248	1.60155E-06	0.001332002	0.002306279	0.003256985	0.010092967
2030 May	0.020194625	4.74317E-05	8.850316048	24.94298553	0.236995772	0.002795342	327.0448608	0.034709655	0.002369958	3.57932E-05	0.004822226	0.001682224	0.907057166	1.67255E-06	0.001391048	0.002408514	0.003401363	0.010540375
2030 Jun	0.019333454	4.5409E-05	8.472906113	23.87932777	0.226889431	0.002676139	283.5827026	0.033229511	0.002268895	3.42669E-05	0.004616589	0.001610488	0.86837697	1.60122E-06	0.001331729	0.002305806	0.003256317	0.010090896
2030 Jul	0.021019965	4.93702E-05	9.212021828	25.96238708	0.246681616	0.002909586	297.5913086	0.036128215	0.002466816	3.72561E-05	0.005019307	0.001750975	0.944127917	1.7409E-06	0.001447899	0.002506948	0.003540375	0.010971153
2030 Aug	0.023041813	5.4119E-05	10.09809875	28.45963287	0.270409197	0.003189451	326.2012329	0.039603282	0.002704092	4.08396E-05	0.005502099	0.001919396	1.034940839	1.90835E-06	0.001587168	0.002748084	0.003880913	0.012026436
2030 Sep	0.023141792	5.43538E-05	10.14191437	28.58311844	0.271582514	0.003203289	327.6160583	0.039775118	0.002715826	4.10168E-05	0.005525973	0.001927724	1.039431453	1.91664E-06	0.001594055	0.002760008	0.003897752	0.012078619
2030 Oct	0.019556846	4.59337E-05	8.570808411	24.15524673	0.229511067	0.002707061	276.8640747	0.033613469	0.002295111	3.46628E-05	0.004669932	0.001629096	0.878410816	1.61973E-06	0.001347117	0.002332449	0.003293943	0.010207493
2030 Nov	0.01917729	4.50422E-05	8.404467583	23.68644524	0.225056753	0.002654523	271.4907532	0.032961104	0.002250568	3.39901E-05	0.004579299	0.001597479	0.861362755	1.58829E-06	0.001320972	0.002287181	0.003230015	0.010009388
2030 Dec	0.01918963	4.50712E-05	8.409874916	23.70168304	0.225201547	0.00265623	271.6654053	0.032982308	0.002252016	3.40119E-05	0.004582245	0.001598507	0.8619169	1.58931E-06	0.001321822	0.002288653	0.003232092	0.010015828
2031 Jan	0.019190302	4.50728E-05	8.410169601	23.70251465	0.225209445	0.002656324	271.6749268	0.032983467	0.002252095	3.40131E-05	0.004582406	0.001598563	0.861947119	1.58937E-06	0.001321868	0.002288733	0.003232206	0.010016179
2031 Feb	0.019190483	4.50732E-05	8.410247803	23.70273781	0.225211561	0.002656349	271.6774902	0.032983776	0.002252116	3.40135E-05	0.004582449	0.001598578	0.861955285	1.58938E-06	0.001321881	0.002288754	0.003232236	0.010016274
2031 Mar	0.019203292	4.51033E-05	8.415863037	23.71856117	0.225361913	0.002658122	271.8588562	0.033005796	0.002253619	3.40362E-05	0.004585508	0.001599645	0.862530708	1.59044E-06	0.001322763	0.002290282	0.003234394	0.01002296
2031 Apr	0.019425945	4.56263E-05	8.513440132	23.99356461	0.227974862	0.002688941	275.0109253	0.033388477	0.002279749	3.44308E-05	0.004638675	0.001618192	0.872531295	1.60888E-06	0.0013381	0.002316837	0.003271895	0.010139171
2031 May	0.020151101	4.73295E-05	8.831241608	24.88922691	0.23648499	0.002789318	281.7042542	0.034634851	0.00236485	3.57161E-05	0.004811833	0.001678598	0.905102253	1.66894E-06	0.001338805	0.002403323	0.003394033	0.010517659
2031 Jun	0.019800059	4.6505E-05	8.677396774	24.45564651	0.23236531	0.002740727	254.2684326	0.034031495	0.002323654	3.50939E-05	0.004728009	0.001649356	0.889334917	1.63987E-06	0.00136387	0.002361456	0.003334907	0.010334437
2031 Jul	0.024046477	5.64786E-05	10.53839302	29.70052147	0.282199502	0.003328516	303.0789795	0.041330051	0.002821995	4.26203E-05	0.005742	0.002003085	1.080065966	1.99156E-06	0.001656372	0.002867905	0.004050127	0.012550808
2031 Aug	0.020757318	4.87533E-05	9.096916199	25.63798523	0.243599311	0.00287323	257.4525146	0.035676789	0.002435993	3.67905E-05	0.00495659	0.001729097	0.932330906	1.71915E-06	0.001429808	0.002475623	0.003496137	0.010834067
2031 Sep	0.018800775	4.41579E-05	8.239458084	23.2213974	0.220638096	0.002602405	232.6628418	0.032313962	0.002206381	3.33227E-05	0.004489392	0.001566115	0.844451189	1.55711E-06	0.001295037	0.002242276	0.003166598	0.009812868
2031 Oct	0.018329164	4.30502E-05	8.032774925	22.63889885	0.215103492	0.002537125	226.8077545	0.031503379	0.002151035	3.24868E-05	0.004376777	0.00152683	0.823268473	1.51805E-06	0.001262551	0.002186029	0.003087165	0.009566718

Appendix D.2-29: WES01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2031 Nov	0.018445654	4.33238E-05	8.083826065	22.78277588	0.216470554	0.002553249	228.2491608	0.031703595	0.002164706	3.26933E-05	0.004404593	0.001536533	0.828500688	1.52769E-06	0.001270575	0.002199922	0.003106785	0.009627517
2031 Dec	0.018457917	4.33526E-05	8.089200974	22.79792595	0.216614485	0.002554947	228.4009247	0.031724673	0.002166145	3.27151E-05	0.004407521	0.001537555	0.829051554	1.52871E-06	0.00127142	0.002201385	0.003108851	0.009633918
2032 Jan	0.018459169	4.33556E-05	8.08975029	22.79947281	0.216629177	0.00255512	228.4164429	0.031726826	0.002166292	3.27173E-05	0.004407821	0.00153766	0.829107821	1.52881E-06	0.001271506	0.002201535	0.003109062	0.009634572
2032 Feb	0.018459391	4.33561E-05	8.089846611	22.79974556	0.21663177	0.002555151	228.4191742	0.03172721	0.002166318	3.27177E-05	0.004407873	0.001537678	0.829117715	1.52883E-06	0.001271521	0.002201561	0.003109099	0.009634688
2032 Mar	0.018474655	4.33919E-05	8.096536636	22.8185997	0.216810927	0.002557264	228.6080627	0.031753447	0.002168109	3.27447E-05	0.004411519	0.001538949	0.829803407	1.5301E-06	0.001272573	0.002203381	0.00311167	0.009642655
2032 Apr	0.018600982	4.36887E-05	8.151899338	22.97462845	0.218293428	0.00257475	230.1712341	0.031970568	0.002182935	3.29686E-05	0.004441683	0.001549472	0.835477412	1.54056E-06	0.001281275	0.002218448	0.003132947	0.00970859
2032 May	0.019245926	4.52035E-05	8.434547424	23.77121925	0.22586222	0.002664023	237.3871155	0.033079073	0.002258623	3.41117E-05	0.004595688	0.001603197	0.864445567	1.59397E-06	0.0013257	0.002295367	0.003241575	0.010045212
2032 Jun	0.018556925	4.35852E-05	8.132591248	22.92021179	0.217776403	0.002568651	205.9516907	0.031894844	0.002177764	3.28905E-05	0.004431163	0.001545802	0.833498538	1.53691E-06	0.00127824	0.002213193	0.003125527	0.009685594
2032 Jul	0.019907352	4.6757E-05	8.724416733	24.58816338	0.233624443	0.002755578	215.3154602	0.034215901	0.002336245	3.52841E-05	0.004753628	0.001658294	0.894153953	1.64875E-06	0.00137126	0.002374252	0.003352978	0.010390435
2032 Aug	0.020425906	4.79749E-05	8.951674461	25.22864723	0.239709988	0.002827356	220.9240112	0.035107173	0.0023971	3.62031E-05	0.004877453	0.00170149	0.917445302	1.6917E-06	0.001406979	0.002436097	0.003440318	0.01066109
2032 Sep	0.020523647	4.82045E-05	8.994509697	25.34936905	0.240857035	0.002840886	221.9811554	0.035275161	0.002408571	3.63764E-05	0.004900792	0.001709632	0.921835423	1.6998E-06	0.001413712	0.002447754	0.00345678	0.010712105
2032 Oct	0.02026324	4.75928E-05	8.880385399	25.02773094	0.237801	0.00280484	219.1646118	0.034827586	0.00237801	3.59148E-05	0.00483861	0.001687939	0.910139024	1.67823E-06	0.001395774	0.002416697	0.00341292	0.010576188
2032 Nov	0.020111378	4.72362E-05	8.813833237	24.84016418	0.236018822	0.002783819	217.5220947	0.034566578	0.002360189	3.56457E-05	0.004802348	0.001675289	0.903318048	1.66565E-06	0.001385314	0.002398585	0.003387342	0.010496926
2032 Dec	0.019621456	4.60855E-05	8.599123955	24.23504829	0.230269298	0.002716004	212.223175	0.033724517	0.002302693	3.47773E-05	0.00468536	0.001634479	0.881312847	1.62508E-06	0.001351567	0.002340155	0.003304825	0.010241216
2033 Jan	0.019623261	4.60897E-05	8.599914551	24.23727608	0.230290487	0.002716254	212.242691	0.03372762	0.002302905	3.47805E-05	0.004685791	0.001634629	0.881393909	1.62523E-06	0.001351691	0.00234037	0.003305129	0.010242159
2033 Feb	0.019634176	4.61153E-05	8.604697227	24.25075722	0.230418563	0.002717765	212.3607178	0.033746377	0.002304186	3.47999E-05	0.004688398	0.001635538	0.881884098	1.62613E-06	0.001352443	0.002341671	0.003306967	0.010247855
2033 Mar	0.019704681	4.62809E-05	8.635596275	24.33783913	0.23124598	0.002727524	213.1233063	0.03386756	0.00231246	3.49248E-05	0.004705233	0.001641411	0.885050833	1.63197E-06	0.0013573	0.002350081	0.003318842	0.010284653
2033 Apr	0.020067582	4.71333E-05	8.794638634	24.78607178	0.235504851	0.002777757	217.0484009	0.034491301	0.002355049	3.5568E-05	0.00479189	0.001671641	0.901350915	1.66202E-06	0.001382297	0.002393362	0.003379966	0.010474066
2033 May	0.020337224	4.77666E-05	8.912809372	25.11911011	0.238669232	0.002815081	212.9274445	0.034954745	0.002386693	3.6046E-05	0.004856276	0.001694102	0.913462043	1.68436E-06	0.001400871	0.00242552	0.003425381	0.010614803
2033 Jun	0.019122574	4.49137E-05	8.380487442	23.61886406	0.224414632	0.002646949	184.131424	0.032867063	0.002244147	3.38931E-05	0.004566234	0.001592921	0.858905137	1.58376E-06	0.001317203	0.002280656	0.003220799	0.009980829
2033 Jul	0.021852182	5.13248E-05	9.576741219	26.99028397	0.256448179	0.003024782	207.345459	0.037558593	0.002564482	3.87311E-05	0.00521803	0.001820299	0.981507599	1.80983E-06	0.001505224	0.002606202	0.003680544	0.01140552
2033 Aug	0.024593394	5.77632E-05	10.77807999	30.37603378	0.288617879	0.00340422	232.6999817	0.042270068	0.002886179	4.35897E-05	0.005872597	0.002048644	1.104631066	2.03686E-06	0.001694044	0.002933133	0.004142244	0.012836266
2033 Sep	0.018882139	4.4349E-05	8.275115967	23.32189178	0.221592963	0.002613667	178.5168152	0.032453805	0.00221593	3.34669E-05	0.00450882	0.001572893	0.848105729	1.56384E-06	0.001300641	0.00225198	0.003180302	0.009855336
2033 Oct	0.017900391	4.20432E-05	7.844864368	22.10930824	0.210071594	0.002477774	169.2276611	0.030766424	0.002100716	3.17269E-05	0.004274392	0.001491113	0.804009855	1.48254E-06	0.001233016	0.002134892	0.003014948	0.009342924
2033 Nov	0.017965738	4.21966E-05	7.873503685	22.19002151	0.210838482	0.00248682	169.8454285	0.030878738	0.002108385	3.18427E-05	0.004289995	0.001496556	0.806944966	1.48795E-06	0.001237518	0.002142685	0.003025954	0.009377032
2033 Dec	0.017974541	4.22173E-05	7.877360821	22.20089149	0.210941762	0.002488038	169.9286346	0.03089387	0.002109418	3.18583E-05	0.004292097	0.00149729	0.807340324	1.48868E-06	0.001238124	0.002143735	0.003027436	0.009381625
2034 Jan	0.017975239	4.2219E-05	7.877666473	22.20175362	0.210949957	0.002488134	169.9352417	0.030895069	0.0021095	3.18595E-05	0.004292264	0.001497348	0.807371676	1.48873E-06	0.001238172	0.002143818	0.003027554	0.009381989
2034 Feb	0.017976092	4.2221E-05	7.878040791	22.20280838	0.210959986	0.002488253	169.9433136	0.030896535	0.0021096	3.18611E-05	0.004292468	0.001497419	0.807410002	1.4888E-06	0.001238231	0.00214392	0.003027698	0.009382434
2034 Mar	0.017984159	4.22399E-05	7.881576061	22.21277237	0.211054653	0.002489369	170.0195618	0.030910401	0.002110547	3.18754E-05	0.004294394	0.001498091	0.807772338	1.48947E-06	0.001238787	0.002144882	0.003029056	0.009386646
2034 Apr	0.018093411	4.24965E-05	7.929456234	22.34771347	0.212336808	0.002504492	171.0524292	0.031098178	0.002123368	3.2069E-05	0.004320482	0.001507192	0.812679529	1.49852E-06	0.001246312	0.002157912	0.003047458	0.009443669
2034 May	0.018545302	4.35579E-05	8.127497673	22.90585709	0.217639983	0.002567043	173.8067169	0.031874869	0.0021764	3.28699E-05	0.004428388	0.001544834	0.83297646	1.53595E-06	0.001277439	0.002211807	0.003123569	0.009679527
2034 Jun	0.018896263	4.43822E-05	8.28130722	23.33934021	0.221758753	0.002615623	162.2136841	0.03247809	0.002217588	3.3492E-05	0.004512193	0.00157407	0.84874022	1.56501E-06	0.001301614	0.002253665	0.003182682	0.009862709
2034 Jul	0.023629064	5.54983E-05	10.35546112	29.18496323	0.277300924	0.003270738	195.469223	0.040612619	0.002773009	4.18805E-05	0.005642327	0.001968315	1.061317682	1.95699E-06	0.001627619	0.002818122	0.003979823	0.012332944
2034 Aug	0.027900219	6.553E-05	12.22729969	34.46039581	0.32742542	0.003861951	230.6799774	0.047953699	0.003274255	4.94507E-05	0.006662226	0.002324104	1.253159881	2.31073E-06	0.001921825	0.003327522	0.00469921	0.01456223
2034 Sep	0.019409057	4.55866E-05	8.506039619	23.97270775	0.227776676	0.002686604	160.3922882	0.033359453	0.002277767	3.44009E-05	0.004634642	0.001616786	0.871772766	1.60748E-06	0.001336936	0.002314823	0.003269051	0.010130356
2034 Oct	0.018174496	4.2687E-05	7.964991093	22.44786263	0.213288367	0.002515716	150.1820221	0.031237541	0.002132884	3.22127E-05	0.004339844	0.001513946	0.816321492	1.50524E-06	0.001251897	0.002167583	0.003061115	0.00948599
2034 Nov	0.018323645	4.30373E-05	8.030355453	22.63208199	0.215038717	0.002536361	151.4144897	0.031493895	0.002150388	3.24771E-05	0.004375459	0.00152637	0.823020577	1.51759E-06	0.001262171	0.002185371	0.003086236	0.009563836
2034 Dec	0.018344011	4.30851E-05	8.039281845	22.6572361	0.215277731	0.00253918	151.5827637	0.031528898	0.002152778	3.25132E-05	0.004380322	0.001528067	0.82393539	1.51928E-06	0.001263574	0.0021878	0.003089666	0.009574466
2035 Jan	0.018345114	4.30877E-05	8.039765358	22.65859795	0.215290666	0.002539333	151.5918884	0.03153079	0.002152907	3.25151E-05	0.004380585	0.001528158	0.823984921	1.51937E-06	0.00126365	0.002187931	0.003089852	0.009575042
2035 Feb	0.018348193	4.30949E-05	8.041114807	22.6624012	0.215326816	0.002539759	151.6173401	0.031536087	0.002153269	3.25206E-05	0.00438132	0.001528415	0.824123204	1.51962E-06	0.001263862	0.002188299	0.00309037	0.009576649
2035 Mar	0.018359825	4.31222E-05	8.046212196	22.67676926	0.215463325	0.002541369	151.7134399	0.031556081	0.002154633	3.25412E-05	0.004384098	0.001529384	0.824645698	1.52059E-06	0.001264663	0.002189686	0.003092329	0.009582721
2035 Apr	0.018555813	4.35826E-05	8.13210392	22.9188385	0.217763349	0.002568498	153.3329468	0.031892933	0.002177634	3.28886E-05	0.004430898	0.00154571	0.833448589	1.53682E-06	0.001278163	0.00221306	0.003125339	0.009685013
2035 May	0.019497272	4.57938E-05	8.544699669	24.08166313	0.22881192	0.002698814	159.9795227	0.033511072	0.002288119	3.45572E-05	0.004655706	0.001624134	0.875734925	1.61479E-06	0.001343013	0.002325343	0.003283908	0.010176398
2035 Jun	0.018835708	4.424E-05	8.254768372	23.26454544	0.221048072	0.002607241	138.535141	0.032374006	0.002210481	3.33847E-05	0.004497733	0.001569025	0.846020281	1.56E-06	0.001297443	0.002246442	0.003172482	0.009831102
2035 Jul	0.022643637	5.31838E-05	9.923597336	27.96783257	0.265736371	0.003134335	163.6126556	0.038918912	0.002657364	4.01339E-05	0.005407019	0.001886228	1.017056465	1.87538E-06	0.001559741	0.002700595	0.003813848	0.011818612
2035 Aug	0.020013692	4.70067E-05	8.771020889	24.71950912	0.234872416	0.002770297	144.5597839	0.034398671	0.002348724	3.54725E-05	0.004779021	0.001667152	0.898930371	1.65756E-06	0.001378585	0.002386935	0.003370889	0.010445938
2035 Sep	0.018744534	4.40258E-05	8.214811325	23.15193176	0.219978079	0.00259462	135.387085	0.032217298	0.002199781	3.32231E-05	0.004475962	0.00156143	0.841925085	1.55245E-06	0.001291163	0.002235568	0.003157125	0.009783515
2035 Oct	0.018596483	4.36781E-05	8.149928093	22.96907234	0.218240649	0.002574127	134.317688	0.031962838	0.002182407	3.29606E-05	0.00444061	0.001549098	0.835275412	1.54019E-06	0.001280965	0.002217911	0.00313219	0.009706242
2035 Nov	0.018264927	4.28994E-05	8.004623413	22.55955887	0.214349642	0.002528233	131.9229279	0.031392973	0.002143497	3.2373E-05	0.004361438	0.001521479	0.82038331	1.51273E-06	0.001258127	0.002178368	0.003076346	0.00953319
2035 Dec	0.018278154	4.29304E-05	8.010418892	22.57589531	0.214504853	0.002530064	132.0184631	0.031415705	0.002145049	3.23964E-05	0.004364596	0.001522581	0.82097733	1.51382E-06	0.001259038	0.002179946	0.003078574	0.009540093
2036 Jan	0.018278433	4.29311E-05	8.010541916	22.57624054	0.214508131	0.002530103	132.0204926	0.031416189	0.002145082	3.23969E-05	0.004364663	0.001522604	0.820989966	1.51385E-06	0.001259057	0.002179979	0.003078621	0.009540239
2036 Feb	0.018278748	4.29318E-05	8.010680199	22.57662773	0.214511842	0.002530146	132.0227509	0.031416725	0.002145119	3.23975E-05	0.004364738	0.00152263	0.821004033	1.51387E-06	0.001259078	0.002180017	0.003078674	0.009540403
2036 Mar	0.018279351	4.29332E-05	8.010944366	22.5773735	0.21451892	0.00253023	132.0271149	0.031417768	0.00214519	3.23986E-05	0.004364883	0.001522681	0.821031153	1.51392E-06	0.00125912	0.002180088	0.003078775	0.009540719
2036 Apr	0.018455792	4.33476E-05	8.088269234	22.79530144	0.21658954	0.002554653	133.1583862	0.031721022	0.002165896	3.27113E-05	0.004407014	0.001537378	0.828956068	1.52853E-06	0.001271274	0.002201132	0.003108493	0.009632809
2036 May	0.019165758	4.50152E-05	8.399413109	23.67220116	0.22492142	0.002652926	137.8047791	0.032941282	0.002249215	3.39696E-05	0.004576546	0.001596519	0.860844791	1.58733E-06	0.001320178	0.002285806	0.003228072	0.010003368
2036 Jun	0.018802689	4.41624E-05	8.240298271	23.22376251	0.220660582	0.002602671	121.9501266	0.032317258	0.002206606	3.33261E-05	0.004489849	0.001566275	0.844537258	1.55726E-06	0.001295169	0.002242504	0.003166921	0.009813869
2036 Jul	0.02077111	4.87857E-05	9.102960587	25.65501976	0.243761167	0.002875139	131.1400299	0.035700493	0.002437612	3.6815E-05	0.004959884	0.001730245	0.932950437	1.72029E-06	0.001430758	0.002477268	0.00349846	0.010841266
2036 Aug	0.024776984	5.81944E-05	10.85853863	30.60279274	0.290772438	0.003429633	156.4250946	0.042585615	0.002907725	4.3915E-05	0.005916436	0.002063937	1.11287725	2.05206E-06	0.00170669	0.002955029	0.004173166	0.01293209
2036 Sep	0.019472292	4.57351E-05	8.533752441	24.05081177	0.228518784	0.002695357	122.932663	0.033468142	0.002285188	3.45129E-05	0.004649742	0.001622053	0.874612987	1.61272E-06	0.001341292	0.002322365	0.003279702	0.010163361
2036 Oct	0.018857338	4.42908E-05	8.264246941	23.29126167	0.221301913	0.002610235	119.0500717	0.032411184	0.00221302	3.3423E-05	0.004502898	0.001570827	0.846991837	1.56179E-06	0.001298933	0.002249022	0.003176125	0.009842392
2036 Nov	0.018711437	4.39481E-05	8.200306892	23.11105537	0.219589695	0.002590039	118.1289673	0.032160416	0.002195897	3.31644E-05	0.004468059	0.001558673	0.840438604	1.54971E-06	0.001288883	0.002231621	0.003151551	0.009766241
2036 Dec	0.018582048	4.36442E-05	8.143601418	22.95124245	0.218071237	0.002572129	117.3121033	0.031938028	0.002180713	3.29351E-05	0.004437162	0.001547895	0.834626973	1.53899E-06	0.00127997	0.002216189	0.003129758	0.009698707
2037 Jan	0.018585639	4.36526E-05	8.145175934	22.95567894	0.218113378	0.002572626	117.3347855	0.0319442	0.002181134	3.29414E-05	0.00443802	0.001548194	0.834788322	1.53929E-06	0.001280218	0.002216618	0.003130363	0.009700581
2037 Feb	0.018593045	4.367E-05	8.148421288	22.96482658	0.218200296	0.002573651	117.3815384	0.031956926	0.002182003	3.29546E-05	0.004439788	0.001548811	0.835120916	1.5399E-06	0.001280728	0.002217501	0.003131611	0.009704446
2037 Mar	0.018663201	4.38348E-05	8.179167747	23.05147743	0.21902363	0.002583362	117.8244476	0.03207751	0.002190236	3.30789E-05	0.004456541	0.001554655	0.838272095	1.54571E-06	0.00128556	0.002225868	0.003143427	0.009741065
2037 Apr	0.01885964	4.42962E-05	8.265256882	23.29410553	0.221328944	0.002610554	119.0646057	0.03241514	0.00221329	3.34271E-05	0.004503448	0.001571019	0.847095251	1.56198E-06	0.001299091	0.002249297	0.003176513	0.009843594
2037 May	0.019231699	4.517E-05	8.428312302	23.75364685	0.225695267	0.002662054	116.8657913	0.03305462	0.002256953	3.40865E-05	0.004592291	0.001602012	0.863806605	1.5928E-06	0.00132472	0.00229367	0.003239179	0.010037785
2037 Jun	0.019266425	4.52516E-05	8.443530083	23.79653549	0.226102784	0.002666861	108.1832809	0.033114303	0.002261028	3.41481E-05	0.004600583	0.001604904	0.86536628	1.59567E-06	0.001327112	0.002297812	0.003245027	0.01005591
2037 Jul	0.02176233	5.11138E-05	9.537364006	26.87930489	0.255393744	0.003012344	120.5550156	0.037404161	0.002553937	3.85718E-05	0.005196575	0.001812815	0.977471828	1.80239E-06	0.001499035	0.002595486	0.003665411	0.011358623
2037 Aug	0.021935118	5.15196E-05	9.613088608	27.09272194	0.257421494	0.003036262	121.1360016	0.037701141	0.002574215	3.88781E-05	0.005237834	0.001827208	0.98523277	1.8167E-06	0.001510937	0.002616094	0.003694513	0.011448808
2037 Sep	0.020906378	4.91034E-05	9.162241936	25.82209396	0.245348603	0.002893863	115.384758	0.035932988	0.002453487	3.70547E-05	0.004992184	0.001741513	0.939026058	1.7315E-06	0.001440075	0.002493401	0.003521243	0.010911867
2037 Oct	0.018597649	4.36808E-05	8.150438309	22.97051239	0.218254328	0.002574289	102.6268921	0.031964839	0.002182544	3.29627E-05	0.004440887	0.001549195	0.835327744	1.54028E-06	0.001281045	0.00221805	0.003132386	0.009706849
2037 Nov	0.018647026	4.37968E-05	8.172078133	23.03149986	0.218833789	0.002581123	102.8989639	0.032049704	0.002188338	3.30502E-05	0.004452678	0.001553308	0.837545514	1.54437E-06	0.001284446	0.002223939	0.003140702	0.009732622
2037 Dec	0.018676044	4.3865E-05	8.184796333	23.06734276	0.21917434	0.00258514	103.0590973	0.032099586	0.002191744	3.31017E-05	0.004459608	0.001555725	0.838848948	1.54678E-06	0.001286445	0.0022274	0.00314559	0.009747768
2038 Jan	0.01867835	4.38704E-05	8.185806274	23.07019043	0.219201401	0.00258546	103.0718231	0.032103546	0.002192014	3.31058E-05	0.004460158	0.001555917	0.838952541	1.54697E-06	0.001286604	0.002227675	0.003145979	0.009748972
2038 Feb	0.01867984	4.38739E-05	8.186459541	23.07202911	0.21921888	0.002585666	103.08004	0.032106109	0.002192189	3.31084E-05	0.004460514	0.001556041	0.839019418	1.54709E-06	0.001286707	0.002227853	0.003146229	0.009749749
2038 Mar	0.01869064	4.38992E-05	8.191192627	23.08536911	0.219345629	0.002587161	103.1396332	0.032124668	0.002193457	3.31275E-05	0.004463093	0.001556941	0.83950448	1.54798E-06	0.00128745	0.002229141	0.003148048	0.009755386
2038 Apr	0.018832415	4.42322E-05	8.253325462	23.26047897	0.221009448	0.002606785	103.9219894	0.032368347	0.002210095	3.33788E-05	0.004496947	0.001568751	0.845872462	1.55973E-06	0.001297216	0.00224605	0.003171928	0.009829384
2038 May	0.019587701	4.60062E-05	8.584330559	24.19335556	0.229873165	0.002711332	106.3373184	0.033666503	0.002298732	3.47175E-05	0.0046773	0.001631667	0.879796743	1.62228E-06	0.001349242	0.002336129	0.00329914	0.010223598
2038 Jun	0.018739387	4.40137E-05	8.212555885	23.14557648	0.2199177	0.002593908	93.47454834	0.032208454	0.002199177	3.32139E-05	0.004474733	0.001561002	0.841693997	1.55202E-06	0.001290808	0.002234955	0.003156259	0.009780829
2038 Jul	0.019592382	4.60172E-05	8.586381912	24.19913673	0.229928106	0.00271198	97.46206665	0.033674546	0.002299281	3.47258E-05	0.004678418	0.001632057	0.880006909	1.62267E-06	0.001349564	0.002336687	0.003299928	0.010226041
2038 Aug	0.020119907	4.72562E-05	8.817570686	24.85069847	0.236118913	0.002785	99.57494354	0.034581233	0.002361189	3.56608E-05	0.004804384	0.001676	0.903701127	1.66636E-06	0.001385901	0.002399602	0.003388779	0.010501377
2038 Sep	0.019994725	4.69622E-05	8.762708664	24.69608116	0.234649822	0.002767672	98.5140152	0.034366075	0.002346499	3.54389E-05	0.004774492	0.001665572	0.898078442	1.65599E-06	0.001377278	0.002384673	0.003367694	0.010436038

Appendix D.2-29: WES01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2038 Oct	0.01983859	4.65955E-05	8.694282532	24.50323486	0.232817486	0.00274606	97.52153015	0.034097716	0.002328175	3.51622E-05	0.004737209	0.001652566	0.891065538	1.64306E-06	0.001366524	0.002366051	0.003341397	0.010354546
2038 Nov	0.019852802	4.66288E-05	8.700510025	24.52078819	0.232984275	0.002748027	97.5779953	0.034122143	0.002329843	3.51874E-05	0.004740602	0.00165375	0.891703844	1.64424E-06	0.001367502	0.002367746	0.00334379	0.010361963
2038 Dec	0.019855047	4.66341E-05	8.701495171	24.52356148	0.23301062	0.002748338	97.5890274	0.034126002	0.002330106	3.51913E-05	0.004741139	0.001653937	0.891804695	1.64442E-06	0.001367657	0.002368014	0.003344168	0.010363135
2039 Jan	0.01985536	4.66348E-05	8.701631546	24.52394676	0.233014271	0.002748381	97.59056854	0.034126535	0.002330143	3.51919E-05	0.004741213	0.001653963	0.891818702	1.64445E-06	0.001367679	0.002368051	0.003344221	0.010363298
2039 Feb	0.019855484	4.66351E-05	8.701685905	24.52410126	0.233015746	0.002748398	97.59117889	0.034126751	0.002330158	3.51921E-05	0.004741243	0.001653973	0.891824305	1.64446E-06	0.001367687	0.002368066	0.003344242	0.010363364
2039 Mar	0.019861929	4.66503E-05	8.704510689	24.53206062	0.233091369	0.00274929	97.62285614	0.03413783	0.002330914	3.52035E-05	0.004742782	0.00165451	0.892113805	1.64499E-06	0.001368131	0.002368834	0.003345327	0.010366727
2039 Apr	0.019886209	4.67073E-05	8.715151787	24.56205177	0.233376324	0.002752651	97.74220276	0.034179565	0.002333764	3.52466E-05	0.00474858	0.001656533	0.893204331	1.647E-06	0.001369804	0.002371731	0.003349417	0.010379401
2039 May	0.020005146	4.69867E-05	8.76727581	24.70895195	0.234772116	0.002769114	98.25235748	0.034383986	0.002347721	3.54574E-05	0.00477698	0.00166644	0.898546517	1.65685E-06	0.001377996	0.002385915	0.003369449	0.010441478
2039 Jun	0.019539203	4.58923E-05	8.563076019	24.13345337	0.229304016	0.002704619	92.64281464	0.033583142	0.00229304	3.46315E-05	0.004665719	0.001627627	0.877618313	1.61826E-06	0.001345901	0.002330345	0.003290971	0.010198284
2039 Jul	0.019151809	4.49824E-05	8.393300056	23.65497208	0.224757701	0.002650995	87.75335693	0.032917306	0.002247577	3.39449E-05	0.004573214	0.001595357	0.860218167	1.58618E-06	0.001319217	0.002284142	0.003225723	0.009996088
2039 Aug	0.019161347	4.50048E-05	8.397480011	23.66675186	0.224869654	0.002652316	86.82299042	0.032933701	0.002248697	3.39618E-05	0.004575492	0.001596151	0.860646665	1.58697E-06	0.001319874	0.00228528	0.003227329	0.010001066
2039 Sep	0.019249076	4.52108E-05	8.435926437	23.77510834	0.22589919	0.002664459	86.94945526	0.033084482	0.002258992	3.41173E-05	0.00459644	0.001603459	0.864587009	1.59423E-06	0.001325917	0.002295743	0.003242105	0.010046856
2039 Oct	0.019226627	4.51581E-05	8.426089287	23.74738121	0.225635737	0.002661352	86.66120148	0.033045899	0.002256358	3.40775E-05	0.00459108	0.001601589	0.863578677	1.59238E-06	0.00132437	0.002293065	0.003238324	0.010035138
2039 Nov	0.019240173	4.51899E-05	8.432025909	23.76411247	0.225794718	0.002663227	86.72143555	0.033069182	0.002257948	3.41015E-05	0.004594315	0.001602717	0.864187181	1.5935E-06	0.001325304	0.002294681	0.003240606	0.010042209
2039 Dec	0.019242659	4.51958E-05	8.433115005	23.7671833	0.225823879	0.002663571	86.7326355	0.033073455	0.002258239	3.41059E-05	0.004594908	0.001602925	0.86429882	1.5937E-06	0.001325475	0.002294977	0.003241024	0.010043507
2040 Jan	0.01924267	4.51958E-05	8.433120728	23.76719666	0.225824028	0.002663573	86.73269653	0.033073477	0.00225824	3.4106E-05	0.004594911	0.001602925	0.864299357	1.5937E-06	0.001325476	0.002294979	0.003241027	0.010043513
2040 Feb	0.019242847	4.51962E-05	8.433197975	23.767416	0.2258261	0.002663597	86.73348236	0.033073779	0.002258261	3.41063E-05	0.004594953	0.00160294	0.864307284	1.59372E-06	0.001325488	0.002295	0.003241056	0.010043604
2040 Mar	0.019246915	4.52058E-05	8.434980392	23.77243996	0.225873843	0.00266416	86.75182343	0.033080772	0.002258739	3.41135E-05	0.004595925	0.001603279	0.864490032	1.59406E-06	0.001325768	0.002295485	0.003241741	0.010045729
2040 Apr	0.019260991	4.52388E-05	8.441149712	23.78982544	0.226039037	0.002666109	86.81526947	0.033104964	0.002260391	3.41384E-05	0.004599286	0.001604452	0.865122259	1.59522E-06	0.001326737	0.002297164	0.003244112	0.010053074
2040 May	0.019329229	4.53991E-05	8.471054077	23.87410736	0.22683984	0.002675554	87.02198792	0.033222247	0.002268399	3.42594E-05	0.00461558	0.001610136	0.868187189	1.60087E-06	0.001331438	0.002305302	0.003255605	0.010088691
2040 Jun	0.019114848	4.48956E-05	8.377101898	23.60932159	0.224323958	0.00264588	83.90126038	0.032853782	0.00224324	3.38794E-05	0.004564389	0.001592278	0.858558178	1.58312E-06	0.001316671	0.002279734	0.003219498	0.009976798
2040 Jul	0.01924411	4.51992E-05	8.433751106	23.7689743	0.225840911	0.002663772	83.64829254	0.033075947	0.002258409	3.41085E-05	0.004595254	0.001603045	0.864363968	1.59382E-06	0.001325575	0.00229515	0.003241269	0.010044263
2040 Aug	0.019390833	4.55438E-05	8.498052597	23.95019722	0.2275628	0.002684081	83.7723465	0.033328131	0.002275628	3.43686E-05	0.00463029	0.001615267	0.870954216	1.60598E-06	0.001335681	0.002312649	0.003265981	0.010120844
2040 Sep	0.019418422	4.56086E-05	8.51014328	23.984272	0.227886572	0.0026879	83.3969574	0.03337555	0.002278866	3.44175E-05	0.004636878	0.001617566	0.872193396	1.60826E-06	0.001337582	0.00231594	0.003270628	0.010135244
2040 Oct	0.019431418	4.56391E-05	8.515838623	24.00032425	0.228039071	0.002689699	83.29524994	0.033397887	0.002280391	3.44405E-05	0.004639981	0.001618648	0.872777104	1.60934E-06	0.001338477	0.00231749	0.003272817	0.010142026
2040 Nov	0.019442869	4.5666E-05	8.520856857	24.01446724	0.228173465	0.002691284	83.33126068	0.033417568	0.002281735	3.44608E-05	0.004642715	0.001619602	0.873291314	1.61029E-06	0.001339265	0.002318855	0.003274746	0.010148003
2040 Dec	0.019444063	4.56688E-05	8.521380424	24.01594353	0.228187487	0.00269145	83.33637238	0.03341962	0.002281875	3.44629E-05	0.004643001	0.001619702	0.873345077	1.61038E-06	0.001339348	0.002318998	0.003274947	0.010148627
2041 Jan	0.019444382	4.56696E-05	8.521520615	24.01633835	0.228191227	0.002691494	83.33774567	0.033420168	0.002281913	3.44635E-05	0.004643077	0.001619728	0.873359382	1.61041E-06	0.00133937	0.002319036	0.003275	0.010148794
2041 Feb	0.01944471	4.56703E-05	8.521663666	24.0167408	0.228195056	0.002691539	83.33914948	0.03342073	0.002281951	3.44641E-05	0.004643155	0.001619755	0.873374045	1.61044E-06	0.001339392	0.002319075	0.003275055	0.010148964
2041 Mar	0.019447442	4.56768E-05	8.522861481	24.02011681	0.228227124	0.002691917	83.3508606	0.033425428	0.002282272	3.44689E-05	0.004643808	0.001619983	0.87349683	1.61066E-06	0.001339581	0.002319401	0.003275516	0.010150391
2041 Apr	0.019456336	4.56976E-05	8.526759148	24.03110313	0.228331506	0.002693148	83.38898468	0.033440717	0.002283316	3.44847E-05	0.004645932	0.001620724	0.873896301	1.6114E-06	0.001340193	0.002320462	0.003277014	0.010155033
2041 May	0.019498309	4.57962E-05	8.545153618	24.08294487	0.228824094	0.002698958	83.51980591	0.033512857	0.002288241	3.45591E-05	0.004655954	0.00162422	0.875781596	1.61488E-06	0.001343084	0.002325468	0.003284083	0.01017694
2041 Jun	0.019365065	4.54833E-05	8.486760139	23.91836929	0.227260396	0.002680514	81.33049774	0.033283841	0.002272604	3.43229E-05	0.004624137	0.001613121	0.869796813	1.60384E-06	0.001333906	0.002309576	0.003261641	0.010107394
2041 Jul	0.019177485	4.50427E-05	8.40455246	23.68668747	0.225059047	0.00265455	78.24227905	0.032961439	0.00225059	3.39904E-05	0.004579345	0.001597496	0.861371517	1.58831E-06	0.001320985	0.002287205	0.003230047	0.010009489
2041 Aug	0.019349102	4.54458E-05	8.479763985	23.89865303	0.227073058	0.002678305	78.58390045	0.033256404	0.002270731	3.42946E-05	0.004620325	0.001611791	0.869079769	1.60252E-06	0.001332807	0.002307672	0.003258953	0.010099063
2041 Sep	0.019395459	4.55547E-05	8.500080109	23.95591164	0.2276171	0.002684722	78.34185791	0.033336084	0.002276171	3.43768E-05	0.004631395	0.001615653	0.871161997	1.60636E-06	0.001336	0.002313201	0.003266761	0.010123259
2041 Oct	0.019383861	4.55274E-05	8.494996071	23.94158554	0.227480963	0.002683116	77.99794769	0.033316147	0.00227481	3.43562E-05	0.004628625	0.001614687	0.870641053	1.6054E-06	0.001335201	0.002311818	0.003264807	0.010117205
2041 Nov	0.019396195	4.55564E-05	8.500401497	23.95681953	0.227625713	0.002684823	78.03091431	0.033337347	0.002276257	3.43781E-05	0.004631571	0.001615714	0.871195018	1.60642E-06	0.001336051	0.002313289	0.003266884	0.010123643
2041 Dec	0.019397939	4.55605E-05	8.501167297	23.95897484	0.227646202	0.002685065	78.03794098	0.033340346	0.002276462	3.43812E-05	0.004631987	0.00161586	0.871273398	1.60656E-06	0.001336171	0.002313497	0.003267178	0.010124553
2042 Jan	0.019398434	4.55617E-05	8.501383781	23.9595871	0.227651998	0.002685134	78.03992462	0.033341195	0.00227652	3.4382E-05	0.004632105	0.001615901	0.871295571	1.60661E-06	0.001336205	0.002313556	0.003267261	0.010124812
2042 Feb	0.019398544	4.55619E-05	8.501430511	23.95972061	0.22765328	0.002685149	78.0403595	0.033341382	0.002276533	3.43822E-05	0.004632131	0.00161591	0.871300459	1.60661E-06	0.001336212	0.002313569	0.00326728	0.010124868
2042 Mar	0.019400209	4.55658E-05	8.50216198	23.96177864	0.22767283	0.002685379	78.04706573	0.033344246	0.002276729	3.43852E-05	0.004632529	0.001616049	0.871375322	1.60675E-06	0.001336327	0.002313768	0.00326756	0.010125739
2042 Apr	0.01941786	4.56073E-05	8.509896278	23.98357773	0.227879971	0.002687822	78.11807251	0.033374581	0.0022788	3.44165E-05	0.004636744	0.001617519	0.872168064	1.60821E-06	0.001337543	0.002315873	0.003270533	0.010134949
2042 May	0.01948355	4.57616E-05	8.538685799	24.06471634	0.228650883	0.002696915	78.32765198	0.033487488	0.002286509	3.45329E-05	0.00465243	0.001622991	0.875118673	1.61365E-06	0.001342068	0.002323707	0.003281598	0.010169237
2042 Jun	0.019391084	4.55444E-05	8.49816227	23.95050621	0.227565736	0.002684116	76.57120514	0.033328559	0.002275658	3.4369E-05	0.00463035	0.001615288	0.870965421	1.606E-06	0.001335698	0.002312679	0.003266023	0.010120974
2042 Jul	0.01932884	4.53982E-05	8.470883369	23.87362671	0.226835266	0.0026755	74.77752686	0.03322158	0.002268353	3.42587E-05	0.004615487	0.001610104	0.868169725	1.60084E-06	0.001331411	0.002305256	0.00325554	0.010088488
2042 Aug	0.019257111	4.52297E-05	8.439448357	23.78503418	0.225993499	0.002665572	73.20072937	0.033098295	0.002259935	3.41316E-05	0.004598359	0.001604128	0.864947975	1.5949E-06	0.00132647	0.002296701	0.003243459	0.010051049
2042 Sep	0.019233262	4.51737E-05	8.42899704	23.75557709	0.225713611	0.00266227	72.44232941	0.033057306	0.002257136	3.40893E-05	0.004592665	0.001602142	0.86387676	1.59293E-06	0.001324827	0.002293857	0.003239442	0.010038601
2042 Oct	0.019205514	4.51085E-05	8.416835785	23.72130394	0.225387961	0.002658429	71.98499298	0.033009611	0.00225388	3.40401E-05	0.004586038	0.00159983	0.862630427	1.59063E-06	0.001322916	0.002290547	0.003234768	0.010024118
2042 Nov	0.019215655	4.51324E-05	8.421280861	23.7338295	0.225506991	0.002659833	72.01699066	0.033027045	0.00225507	3.40581E-05	0.00458846	0.001600675	0.863085985	1.59147E-06	0.001323615	0.002291757	0.003236476	0.010029412
2042 Dec	0.019216726	4.51349E-05	8.421750069	23.73515511	0.225519553	0.002659981	72.02101135	0.033028886	0.002255196	3.406E-05	0.004588716	0.001600764	0.863134027	1.59156E-06	0.001323688	0.002291885	0.003236657	0.010029972
2043 Jan	0.01921686	4.51352E-05	8.421808243	23.73531723	0.225521117	0.00266	72.02149963	0.033029113	0.002255212	3.40602E-05	0.004588747	0.001600775	0.863139987	1.59157E-06	0.001323698	0.0022919	0.003236679	0.010030041
2043 Feb	0.019216942	4.51354E-05	8.421843529	23.73541641	0.225522071	0.002660011	72.02180481	0.033029255	0.002255221	3.40604E-05	0.004588767	0.001600782	0.863143623	1.59157E-06	0.001323703	0.00229191	0.003236693	0.010030083
2043 Mar	0.019217595	4.51369E-05	8.422130585	23.73622513	0.22552976	0.002660102	72.02426147	0.033030376	0.002255298	3.40615E-05	0.004588923	0.001600837	0.863173127	1.59163E-06	0.001323748	0.002291988	0.003236803	0.010030424
2043 Apr	0.019231804	4.51703E-05	8.428357124	23.75377464	0.225696489	0.002662068	72.07751465	0.033054799	0.002256965	3.40867E-05	0.004592316	0.00160202	0.863811255	1.5928E-06	0.001324727	0.002293683	0.003239196	0.01003784
2043 May	0.019288596	4.53037E-05	8.45324707	23.8239212	0.226362988	0.00266993	72.22597504	0.033152409	0.00226363	3.41874E-05	0.004605877	0.001606751	0.866362154	1.59751E-06	0.001328639	0.002300456	0.003248761	0.010067482
2043 Jun	0.019198474	4.5092E-05	8.413750648	23.71260643	0.225305334	0.002657455	70.53305817	0.032997511	0.002253054	3.40276E-05	0.004584357	0.001599244	0.862314165	1.59004E-06	0.001322431	0.002289708	0.003233582	0.010020443
2043 Jul	0.019307261	4.53475E-05	8.461426735	23.84697533	0.226582021	0.002672513	70.29350281	0.033184491	0.002265821	3.42204E-05	0.004610334	0.001608306	0.867200434	1.59905E-06	0.001329925	0.002302682	0.003251905	0.010077224
2043 Aug	0.019409945	4.55887E-05	8.506427765	23.97380257	0.227787077	0.002686727	70.14897919	0.03336098	0.002277871	3.44024E-05	0.004634853	0.001616859	0.871812582	1.60756E-06	0.001336998	0.002314929	0.0032692	0.010130819
2043 Sep	0.019415766	4.56024E-05	8.508979797	23.98099136	0.227855399	0.002687532	69.64873505	0.033370983	0.002278554	3.44128E-05	0.004636244	0.001617344	0.872074068	1.60804E-06	0.001337399	0.002315623	0.00327018	0.010133857
2043 Oct	0.019398432	4.55616E-05	8.501382828	23.95958328	0.227651969	0.002685133	69.31446838	0.033341192	0.00227652	3.4382E-05	0.004632105	0.0016159	0.871295452	1.6066E-06	0.001336205	0.002313556	0.003267261	0.010124811
2043 Nov	0.019380525	4.55196E-05	8.493535042	23.93746567	0.227441818	0.002682654	69.11244202	0.033310413	0.002274419	3.43503E-05	0.004627829	0.001614409	0.870491147	1.60512E-06	0.001334971	0.00231142	0.003264245	0.010115463
2043 Dec	0.019381581	4.55221E-05	8.493998528	23.9387722	0.227454215	0.002682801	69.11621094	0.033312231	0.002274543	3.43522E-05	0.004628081	0.001614497	0.870538652	1.60521E-06	0.001335044	0.002311546	0.003264423	0.010116016
2044 Jan	0.019381884	4.55228E-05	8.494131088	23.93914604	0.227457792	0.002682843	69.11729431	0.033312753	0.002274578	3.43527E-05	0.004628154	0.001614522	0.870552242	1.60523E-06	0.001335065	0.002311582	0.003264474	0.010116174
2044 Feb	0.019383162	4.55258E-05	8.494690895	23.94072342	0.227472767	0.002683019	69.12184143	0.033314947	0.002274728	3.4355E-05	0.004628459	0.001614629	0.870609641	1.60534E-06	0.001335153	0.002311734	0.003264689	0.010116841
2044 Mar	0.019385803	4.5532E-05	8.495847702	23.94398499	0.227503777	0.002683385	69.13126373	0.033319484	0.002275038	3.43596E-05	0.004629089	0.001614848	0.870728254	1.60556E-06	0.001335335	0.00231205	0.003265134	0.010118218
2044 Apr	0.019392332	4.55473E-05	8.498709679	23.95204735	0.227580383	0.002684289	69.15454865	0.033330709	0.002275804	3.43712E-05	0.004630648	0.001615392	0.87102145	1.6061E-06	0.001335784	0.002312828	0.003266233	0.010121627
2044 May	0.019438677	4.56562E-05	8.519019127	24.00928879	0.228124246	0.002690704	69.30844116	0.033410359	0.002281243	3.44534E-05	0.004641715	0.001619253	0.873103023	1.60994E-06	0.001338977	0.002318355	0.003274039	0.010145814
2044 Jun	0.018695282	4.01307E-05	7.564469814	21.1756649	0.200401738	0.00236821	59.9227066	0.029367818	0.002497724	3.59305E-05	0.004073879	0.001424935	0.768809915	1.64055E-06	0.001176218	0.002041596	0.002963248	0.008899655
2044 Jul	0.017612986	2.98251E-05	5.798602581	15.90433311	0.148675248	0.001767326	44.82686615	0.021828284	0.002994595	3.97531E-05	0.003013667	0.001062827	0.574553549	1.74027E-06	0.000872524	0.001526136	0.002399746	0.006572001
2044 Aug	0.016413253	2.20713E-05	4.485508442	11.96671486	0.109909192	0.001317483	33.96126938	0.016155953	0.003335077	3.80415E-05	0.002218673	0.000791394	0.429681152	1.82052E-06	0.000644745	0.001137271	0.001979365	0.004826502

Appendix D.2-29: WES01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2044 Sep	0.01531437	1.77707E-05	3.772672892	9.805555344	0.088504128	0.001069798	27.81035614	0.013010318	0.003510566	3.5537E-05	0.001780587	0.000641621	0.350410372	1.85283E-06	0.000519045	0.000920385	0.001743017	0.003864896
2044 Oct	0.014931613	1.61997E-05	3.516162395	9.01748085	0.080658168	0.00097933	25.59583473	0.011861323	0.00360352	3.62274E-05	0.001620531	0.000586903	0.321468294	1.86472E-06	0.000473093	0.000841163	0.001656699	0.00351357
2044 Nov	0.01493526	1.6215E-05	3.518844843	9.025361061	0.080734849	0.000980225	25.60601425	0.011872537	0.003603285	3.62304E-05	0.001622099	0.000587442	0.321757168	1.8648E-06	0.000473543	0.000841934	0.001657621	0.003517006
2044 Dec	0.014935676	1.62155E-05	3.518943071	9.025612831	0.080737099	0.000980252	25.6067276	0.011872867	0.003603385	3.62314E-05	0.001622144	0.000587458	0.321766138	1.86485E-06	0.000473556	0.000841958	0.001657667	0.003517104
2045 Jan	0.014935678	1.62155E-05	3.518944025	9.025614738	0.080737114	0.000980252	25.60673332	0.011872869	0.003603386	3.62314E-05	0.001622144	0.000587458	0.321766227	1.86485E-06	0.000473556	0.000841958	0.001657667	0.003517105
2045 Feb	0.014935688	1.62155E-05	3.518945932	9.025620461	0.080737159	0.000980253	25.60675049	0.011872876	0.003603388	3.62314E-05	0.001622146	0.000587459	0.321766406	1.86485E-06	0.000473557	0.000841958	0.001657668	0.003517107
2045 Mar	0.014936534	1.62164E-05	3.51914525	9.02613163	0.080741741	0.000980308	25.60820007	0.01187355	0.003603593	3.62335E-05	0.001622237	0.000587492	0.321784645	1.86496E-06	0.000473584	0.000842006	0.001657762	0.003517307
2045 Apr	0.014939561	1.62197E-05	3.519858599	9.027961731	0.080758102	0.000980507	25.61339188	0.011875957	0.003604323	3.62408E-05	0.001622566	0.000587611	0.321849883	1.86534E-06	0.00047368	0.000842177	0.001658098	0.00351802
2045 May	0.014959171	1.6241E-05	3.524478674	9.039811134	0.080864102	0.000981794	25.6470108	0.011891545	0.003609054	3.62884E-05	0.001624696	0.000588382	0.322272331	1.86778E-06	0.000474301	0.000843282	0.001660274	0.003522637
2045 Jun	0.014947609	1.5852E-05	3.453239679	8.834758759	0.078894712	0.000958697	24.80047607	0.01160692	0.003618819	3.67602E-05	0.001584366	0.000574526	0.314708143	1.86665E-06	0.000462745	0.000823926	0.001636897	0.003434202
2045 Jul	0.014940004	1.43609E-05	3.192025423	8.062844276	0.071367189	0.000871026	22.53688622	0.01051585	0.003698004	3.83159E-05	0.001429953	0.000521814	0.286176473	1.88275E-06	0.00041856	0.000749753	0.001555448	0.003095159
2045 Aug	0.014700326	1.26106E-05	2.894287348	7.172986507	0.062618278	0.000769408	20.13006783	0.009235324	0.003771084	3.75681E-05	0.001250295	0.000460516	0.253423989	1.90348E-06	0.000367112	0.000662065	0.001461469	0.002700643
2045 Sep	0.014300455	1.1302E-05	2.680932283	6.520757675	0.056127131	0.000694448	18.34130096	0.00827825	0.0038242	3.63037E-05	0.001117473	0.000415123	0.22953634	1.91423E-06	0.000328986	0.000595885	0.00139019	0.002409076
2045 Oct	0.014139671	1.07175E-05	2.587957382	6.230257511	0.05321154	0.00066097	17.57738113	0.007850864	0.003865909	3.66976E-05	0.001058104	0.000394844	0.218871444	1.91969E-06	0.000311931	0.00056635	0.001358583	0.002278736
2045 Nov	0.014141958	1.07193E-05	2.588375807	6.231265068	0.053220149	0.000661076	17.5802269	0.007852133	0.003866534	3.67036E-05	0.001058275	0.000394908	0.21890685	1.92E-06	0.000311982	0.000566442	0.001358803	0.002279105
2045 Dec	0.014142449	1.07196E-05	2.588465691	6.231481552	0.053221993	0.000661099	17.58083725	0.007852406	0.003866669	3.67048E-05	0.001058312	0.000394921	0.218914449	1.92006E-06	0.000311993	0.000566461	0.00135885	0.002279184
2046 Jan	0.014142531	1.07197E-05	2.588480473	6.231517315	0.053222299	0.000661103	17.58093834	0.007852451	0.003866691	3.67051E-05	0.001058318	0.000394924	0.218915701	1.92007E-06	0.000311994	0.000566465	0.001358858	0.002279197
2046 Feb	0.014142631	1.07198E-05	2.588498831	6.231561661	0.053222679	0.000661108	17.58106232	0.007852507	0.003866719	3.67053E-05	0.001058325	0.000394927	0.218917251	1.92009E-06	0.000311997	0.000566469	0.001358867	0.002279213
2046 Mar	0.014143684	1.07206E-05	2.588691711	6.232025623	0.053226639	0.000661157	17.58237076	0.007853091	0.003867006	3.6708E-05	0.001058404	0.000394956	0.218933553	1.92023E-06	0.00031202	0.000566511	0.001358968	0.002279383
2046 Apr	0.014148206	1.0724E-05	2.589519262	6.234018803	0.053243659	0.000661369	17.58799362	0.007855603	0.003868243	3.67198E-05	0.001058742	0.000395082	0.219003558	1.92084E-06	0.00031212	0.000566692	0.001359403	0.002280112
2046 May	0.014163259	1.0739E-05	2.592848539	6.242438316	0.053318243	0.000662278	17.60760498	0.007866578	0.003872007	3.6757E-05	0.001060238	0.000395627	0.219302773	1.92277E-06	0.000312557	0.000567473	0.001361012	0.002283349
2046 Jun	0.014168167	1.07166E-05	2.584598541	6.225408077	0.053193275	0.000660608	17.32013893	0.007850118	0.003861044	3.69694E-05	0.001057742	0.000394673	0.218681827	1.91685E-06	0.000311829	0.000566392	0.00135726	0.002278004
2046 Jul	0.014198958	1.02579E-05	2.498985767	5.980947971	0.050857782	0.000633157	16.43274498	0.007514351	0.003875088	3.78204E-05	0.001009875	0.000378239	0.209638238	1.91619E-06	0.000298127	0.000543682	0.001329783	0.002173027
2046 Aug	0.014108686	9.46995E-06	2.364715576	5.580263615	0.046920039	0.000587399	15.38183594	0.006937917	0.003908199	3.73604E-05	0.000928906	0.000350643	0.194881037	1.92732E-06	0.000274954	0.00050426	0.001288136	0.001995188
2046 Sep	0.013872349	8.85544E-06	2.265413761	5.275784969	0.043883529	0.000552359	14.53211308	0.006488504	0.003927785	3.64673E-05	0.000866828	0.000329395	0.183760479	1.93041E-06	0.000257116	0.000473053	0.001254057	0.001858958
2046 Oct	0.013768035	8.57548E-06	2.221460819	5.137351036	0.042489566	0.000536386	14.15044022	0.006283811	0.0039468	3.66955E-05	0.000838552	0.000319705	0.178693563	1.93115E-06	0.000248976	0.000458829	0.001238268	0.001796921
2046 Nov	0.013769628	8.58287E-06	2.222743273	5.141137123	0.042526513	0.000536817	14.15435791	0.006289212	0.00394663	3.66965E-05	0.000839308	0.000319965	0.178832486	1.93116E-06	0.000249193	0.000459201	0.001238702	0.001798578
2046 Dec	0.013770099	8.58316E-06	2.22281909	5.141312599	0.042527962	0.000536835	14.15484047	0.006289427	0.003946765	3.66977E-05	0.000839336	0.000319976	0.178838581	1.93122E-06	0.000249202	0.000459216	0.001238744	0.001798639
2047 Jan	0.013770156	8.5832E-06	2.22282815	5.14133358	0.042528138	0.000536837	14.15489769	0.006289453	0.003946781	3.66979E-05	0.00083934	0.000319977	0.178839326	1.93123E-06	0.000249203	0.000459218	0.001238749	0.001798647
2047 Feb	0.013770276	8.58327E-06	2.2228477	5.14137888	0.042528506	0.000536842	14.15502167	0.006289508	0.003946816	3.66982E-05	0.000839347	0.00031998	0.178840891	1.93125E-06	0.000249205	0.000459222	0.00123876	0.001798662
2047 Mar	0.013772037	8.58437E-06	2.223132133	5.142036438	0.042533949	0.000536911	14.15683365	0.006290313	0.003947321	3.67029E-05	0.000839454	0.000320021	0.178863779	1.9315E-06	0.000249237	0.000459281	0.001238919	0.001798892
2047 Apr	0.01377425	8.58575E-06	2.223489285	5.142862797	0.042540785	0.000536997	14.15910721	0.006291324	0.003947955	3.67088E-05	0.000839589	0.000320072	0.178892508	1.93181E-06	0.000249277	0.000459355	0.001239118	0.001799181
2047 May	0.013783953	8.60592E-06	2.227321386	5.153539181	0.042641532	0.000538189	14.17242527	0.006306085	0.003949351	3.67273E-05	0.000841636	0.000320789	0.179279879	1.9327E-06	0.000249868	0.000460382	0.001240633	0.001803652
2047 Jun	0.013787461	8.63081E-06	2.227965832	5.161764145	0.042757068	0.00053935	14.02045441	0.006324225	0.003937447	3.68587E-05	0.000844066	0.00032153	0.17959182	1.92708E-06	0.000250551	0.000461645	0.001239799	0.001809104
2047 Jul	0.013870924	8.27352E-06	2.165421963	4.97565794	0.040937211	0.000518191	13.54211235	0.006062775	0.003970514	3.76811E-05	0.000806606	0.000308839	0.172655508	1.93686E-06	0.000239871	0.000444093	0.001222358	0.001726725
2047 Aug	0.013836766	7.81176E-06	2.087181091	4.741347313	0.038629323	0.000491394	12.95106697	0.005724948	0.003993339	3.73772E-05	0.000759071	0.000292679	0.164013028	1.94585E-06	0.000226281	0.000421037	0.001198874	0.001622266
2047 Sep	0.013672463	7.42755E-06	2.025763273	4.552050591	0.036735758	0.00046957	12.4399271	0.005443976	0.00400484	3.6701E-05	0.000720371	0.000279431	0.157109052	1.94767E-06	0.000215155	0.00040148	0.001177589	0.00153734
2047 Oct	0.013596835	7.25297E-06	1.998759389	4.466191769	0.035867631	0.000459646	12.20538235	0.005316343	0.004017001	3.68683E-05	0.000702806	0.000273403	0.153971896	1.9476E-06	0.000210093	0.000392579	0.001167573	0.001498815
2047 Nov	0.013597545	7.26119E-06	2.000122786	4.470344067	0.035908829	0.000460122	12.20834827	0.00532236	0.004016442	3.68661E-05	0.000703652	0.000273691	0.154125139	1.94744E-06	0.000210335	0.000392991	0.001167991	0.001500673
2047 Dec	0.013597914	7.26139E-06	2.000177145	4.47046566	0.035909802	0.000460134	12.2086792	0.005322504	0.004016551	3.68671E-05	0.000703671	0.000273698	0.154129311	1.9475E-06	0.00021034	0.000393001	0.001168023	0.001500714
2048 Jan	0.013598064	7.26147E-06	2.000198841	4.470514774	0.035910197	0.000460139	12.20881367	0.005322563	0.004016595	3.68675E-05	0.000703679	0.000273701	0.154131025	1.94752E-06	0.000210343	0.000393006	0.001168036	0.001500731
2048 Feb	0.013598314	7.2616E-06	2.000236034	4.470597267	0.03591086	0.000460148	12.20903778	0.005322661	0.004016669	3.68682E-05	0.000703692	0.000273706	0.154133856	1.94755E-06	0.000210347	0.000393013	0.001168057	0.001500758
2048 Mar	0.013598359	7.26163E-06	2.000242472	4.470612049	0.035910975	0.000460149	12.20907784	0.005322678	0.004016682	3.68683E-05	0.000703694	0.000273707	0.154134363	1.94756E-06	0.000210347	0.000393014	0.001168061	0.001500763
2048 Apr	0.013601231	7.26336E-06	2.000697136	4.471656322	0.035919569	0.000460258	12.21169758	0.00532395	0.004017511	3.6876E-05	0.000703863	0.000273772	0.154170647	1.94796E-06	0.000210398	0.000393107	0.001168317	0.001501126
2048 May	0.013613542	7.27002E-06	2.00252223	4.475747585	0.035952523	0.00046068	12.22276688	0.005328833	0.004021138	3.69093E-05	0.000704509	0.000274023	0.154311791	1.94972E-06	0.000210591	0.000393467	0.001169378	0.001502504
2048 Jun	0.013612968	7.29525E-06	2.003748417	4.484854698	0.036071882	0.00046191	12.11986446	0.005347232	0.004010115	3.69991E-05	0.000707014	0.000274798	0.154657647	1.94461E-06	0.000211295	0.000394735	0.001168785	0.001508111
2048 Jul	0.013652953	7.14366E-06	1.973695159	4.401464462	0.035289939	0.000452644	11.80593014	0.005236239	0.004014351	3.75043E-05	0.000690974	0.00026928	0.151557609	1.94379E-06	0.00020671	0.000387315	0.001159342	0.001472945
2048 Aug	0.013629305	6.85323E-06	1.923891187	4.253556728	0.03383904	0.00043576	11.42149544	0.005023741	0.004025809	3.72339E-05	0.00066107	0.000259103	0.146105811	1.94879E-06	0.00019816	0.000372812	0.001144309	0.001407244
2048 Sep	0.013508347	6.5842E-06	1.881461978	4.121814728	0.03251582	0.000420536	11.08208656	0.004827018	0.004034596	3.67052E-05	0.000634024	0.000249853	0.141303763	1.95053E-06	0.000190385	0.0003591	0.001129619	0.001347885
2048 Oct	0.013450731	6.46264E-06	1.862985611	4.06239748	0.031911988	0.000413652	10.92334175	0.004738158	0.004043722	3.68406E-05	0.00062183	0.000245667	0.139134869	1.95038E-06	0.000186867	0.000352888	0.001122629	0.001321142
2048 Nov	0.013451615	6.46799E-06	1.863898158	4.065124035	0.031938761	0.000413963	10.92522907	0.004742071	0.004043505	3.68405E-05	0.000622379	0.000245854	0.139235139	1.95035E-06	0.000187025	0.000353156	0.001122926	0.001322346
2048 Dec	0.013451893	6.46813E-06	1.863936663	4.065207481	0.031939421	0.000413972	10.92545414	0.004742169	0.004043588	3.68413E-05	0.000622392	0.000245859	0.139238015	1.95039E-06	0.000187028	0.000353164	0.00112295	0.001322373
2049 Jan	0.013451946	6.46815E-06	1.863943934	4.065223694	0.031939548	0.000413973	10.92549706	0.004742188	0.004043604	3.68414E-05	0.000622394	0.00024586	0.139238566	1.9504E-06	0.000187029	0.000353165	0.001122954	0.001322378
2049 Feb	0.013451986	6.46817E-06	1.863949418	4.065235615	0.031939641	0.000413975	10.92552948	0.004742202	0.004043616	3.68415E-05	0.000622396	0.000245861	0.139238968	1.9504E-06	0.00018703	0.000353166	0.001122957	0.001322382
2049 Mar	0.01345247	6.46841E-06	1.864016771	4.065382481	0.031940795	0.00041399	10.92592335	0.004742373	0.004043762	3.68428E-05	0.000622418	0.00024587	0.139244005	1.95047E-06	0.000187036	0.000353179	0.001122998	0.00132243
2049 Apr	0.013454988	6.46962E-06	1.864365458	4.066142559	0.031946771	0.000414067	10.92796707	0.00474326	0.004044519	3.68497E-05	0.000622535	0.000245916	0.139270052	1.95084E-06	0.000187071	0.000353245	0.001123208	0.001322677
2049 May	0.013465707	6.47687E-06	1.866187572	4.070430756	0.031982742	0.000414518	10.93699455	0.004748574	0.004047535	3.6878E-05	0.000623247	0.000246185	0.139419854	1.95232E-06	0.000187282	0.000353631	0.001124198	0.001324207
2049 Jun	0.01346247	6.50718E-06	1.86856842	4.082536221	0.032128975	0.000416073	10.86056232	0.004770703	0.00403659	3.69384E-05	0.000626303	0.000247151	0.139877617	1.94736E-06	0.000188144	0.000355143	0.001123979	0.001331018
2049 Jul	0.01350259	6.39862E-06	1.846834898	4.022389889	0.03156621	0.000409399	10.64014912	0.004691201	0.004040877	3.73688E-05	0.000614745	0.000243184	0.13763462	1.94725E-06	0.000184845	0.00034986	0.001117364	0.001305669
2049 Aug	0.01350428	6.17077E-06	1.808816552	3.907413721	0.030427165	0.000396203	10.37652111	0.004524507	0.004056163	3.7204E-05	0.000591212	0.000235225	0.133380428	1.95423E-06	0.00017813	0.00033853	0.001106736	0.0012539
2049 Sep	0.013407058	5.97506E-06	1.778237343	3.812068224	0.02946713	0.000385169	10.13254833	0.004381407	0.004061877	3.67567E-05	0.000571598	0.000228513	0.129910722	1.95531E-06	0.000172488	0.00032853	0.001096008	0.001210854
2049 Oct	0.013360741	5.88786E-06	1.765239716	3.769736528	0.029034564	0.000380252	10.01785755	0.004317672	0.004068813	3.68691E-05	0.000562885	0.000225519	0.128367901	1.95503E-06	0.000169972	0.000324059	0.001090944	0.00119175
2049 Nov	0.013361928	5.89252E-06	1.766060591	3.772138357	0.029057885	0.000380524	10.01950264	0.004321082	0.004068768	3.68703E-05	0.000563362	0.000225683	0.128455877	1.95506E-06	0.000170109	0.000324294	0.001091229	0.001192794
2049 Dec	0.013362226	5.89266E-06	1.76609993	3.772222519	0.029058533	0.000380533	10.01972485	0.004321179	0.004068859	3.68711E-05	0.000563374	0.000225688	0.128458753	1.95511E-06	0.000170113	0.000324301	0.001091253	0.001192821
2050 Jan	0.013362308	5.89269E-06	1.766110778	3.772245646	0.02905871	0.000380535	10.01978779	0.004321206	0.004068884	3.68713E-05	0.000563378	0.00022569	0.128459528	1.95512E-06	0.000170114	0.000324303	0.00109126	0.001192828
2050 Feb	0.01336234	5.89271E-06	1.766115069	3.772254705	0.029058781	0.000380536	10.01981068	0.004321216	0.004068894	3.68714E-05	0.000563379	0.00022569	0.128459841	1.95512E-06	0.000170114	0.000324304	0.001091262	0.001192831
2050 Mar	0.013362424	5.89274E-06	1.766126037	3.772278309	0.029058961	0.000380538	10.01987457	0.004321243	0.004068919	3.68716E-05	0.000563383	0.000225692	0.128460646	1.95513E-06	0.000170115	0.000324306	0.001091269	0.001192838
2050 Apr	0.013364069	5.89347E-06	1.766343594	3.772742748	0.029062541	0.000380585	10.02110863	0.004321775	0.004069421	3.68762E-05	0.000563452	0.00022572	0.128476471	1.95538E-06	0.000170136	0.000324346	0.001091404	0.001192985
2050 May	0.013371823	5.89726E-06	1.767427683	3.775116444	0.029081255	0.000380827	10.02696228	0.004324553	0.004071745	3.68974E-05	0.000563817	0.000225863	0.128557846	1.9565E-06	0.000170246	0.000324552	0.001092054	0.001193761
2050 Jun	0.013375972	5.91284E-06	1.76824379	3.780750751	0.029154269	0.000381584	9.970433235	0.004335918	0.004065849	3.69745E-05	0.000565342	0.000226341	0.128768638	1.95373E-06	0.000170676	0.000325346	0.001091831	0.001197166
2050 Jul	0.013405549	5.84222E-06	1.752920032	3.740106583	0.028784543	0.000377142	9.800149918	0.004284184	0.004065648	3.73174E-05	0.000557764	0.000223714	0.127254337	1.95212E-06	0.00016851	0.000321924	0.001086885	0.00118058
2050 Aug	0.013439069	5.75272E-06	1.737280607	3.69345808	0.028327521	0.00037183	9.680510521	0.004218683	0.004075559	3.7528E-05	0.000548314	0.000220532	0.125507653	1.95574E-06	0.000165824	0.000317561	0.00108294	0.001159774
2050 Sep	0.013444442	5.78723E-06	1.743191838	3.711091995	0.028500501	0.00037384	9.68759346	0.004243933	0.004074138	3.75205E-05	0.000551856	0.000221744	0.126156345	1.95554E-06	0.000166839	0.000319292	0.001084874	0.001167546
2050 Oct	0.01344965	5.79577E-06	1.744879246	3.715675592	0.028543081	0.000374347	9.692129135	0.00425018	0.004075107	3.75317E-05	0.000552718	0.000222049	0.126321778	1.95609E-06	0.000167089	0.000319729	0.001085582	0.001169426
2050 Nov	0.013451702	5.79673E-06	1.745157361	3.716279507	0.028547807	0.000374409	9.693616867	0.004250882	0.004075722	3.75374E-05	0.00055281	0.000222085	0.126342416	1.95639E-06	0.000167117	0.000319781	0.001085751	0.001169621
2050 Dec	0.013451959	5.79684E-06	1.74519062	3.716350079	0.028548349	0.000374416	9.69380188	0.004250963	0.004075799	3.75381E-05	0.00055282	0.000222089	0.126344815	1.95642E-06	0.00016712	0.000319787	0.001085772	0.001169643

Appendix D.2-30: WES02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.26	0.00023	0.000070	0.0000018	0.067	0.000036	0.023	1.8E-06	1.8E-06	9.1E-09	1.1E-05	5.1E-06	1.3E-05	1.3E-04	9.1E-09	1.0E-01	3.6E-08	1.3E-06	2.2E-06	3.5E-06
Operations (2020-2043): Mean	895	1.3	1.7	0.058	526	0.15	117	4.7E-04	4.7E-04	6.5E-06	1.0E-02	4.0E-03	2.4E-01	1.3E-02	5.2E-06	3.3E+01	5.2E-05	2.6E-04	5.4E-04	3.8E-03
Operations (2020-2043): Max	1406	2.1	2.7	0.09	846	0.22	175	6.4E-04	6.4E-04	8.1E-06	1.2E-02	5.7E-03	3.5E-01	2.3E-02	6.2E-06	4.2E+01	7.0E-05	3.5E-04	7.4E-04	5.3E-03
Active Closure (2044-2050): Min	66	0.059	0.074	0.0033	29	0.035	11	5.1E-04	5.1E-04	5.1E-06	3.4E-03	5.1E-04	2.0E-02	8.0E-03	5.0E-06	8.6E+00	8.7E-06	6.9E-05	1.2E-04	9.6E-04
Active Closure (2044-2050): Mean	145	0.17	0.22	0.0082	74	0.048	24	9.1E-04	9.1E-04	5.3E-06	4.1E-03	9.2E-04	4.6E-02	8.7E-03	5.1E-06	1.1E+01	1.4E-05	9.4E-05	1.7E-04	1.3E-03
Active Closure (2044-2050): Max	743	1.0	1.3	0.045	411	0.15	117	9.7E-04	9.7E-04	6.8E-06	1.0E-02	4.1E-03	2.4E-01	1.5E-02	5.4E-06	3.4E+01	5.4E-05	2.8E-04	5.7E-04	3.8E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2050)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-30: WES02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-30: WES02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0.262596846	0.000233094	7.01102E-05	1.82104E-06	0.066650197	3.64209E-05	0.022763044	1.82104E-06	1.82104E-06	9.10522E-09	1.07442E-05	5.09892E-06	1.25652E-05	0.000132026	9.10522E-09	0.104709998	3.64209E-08	1.27473E-06	2.18525E-06	3.45998E-06
2036 Feb	1.27155304	0.001128692	0.000339489	8.8179E-06	0.32273522	0.000176358	0.110223778	8.8179E-06	8.8179E-06	4.40895E-08	5.20256E-05	2.46901E-05	6.08435E-05	0.000639298	4.40895E-08	0.507029414	1.76358E-07	6.17253E-06	1.05815E-05	1.6754E-05
2036 Mar	2.40956378	0.002138845	0.000643324	1.67097E-05	0.611575902	0.000334194	0.208871543	1.67097E-05	1.67097E-05	8.35486E-08	9.85874E-05	4.67872E-05	0.000115297	0.001211455	8.35486E-08	0.960809112	3.34194E-07	1.16968E-05	2.00517E-05	3.17485E-05
2036 Apr	219.2593079	0.324918211	0.412129045	0.01402464	129.0051575	0.031668965	26.97657967	7.0533E-05	7.0533E-05	1.30166E-06	0.001916295	0.000995259	0.052895159	0.006195381	1.00188E-06	9.776890755	1.16251E-05	8.53458E-05	0.000189014	0.000889916
2036 May	727.0565796	1.080843329	1.377089977	0.046893723	429.8950195	0.105367593	89.66783142	0.000206517	0.000206517	4.2077E-06	0.006270251	0.003206632	0.176836848	0.017300559	3.20469E-06	30.01091576	3.83582E-05	0.000254387	0.000573865	0.002894076
2036 Jun	889.7330933	1.31861043	1.701252341	0.058357626	528.1176147	0.136226714	109.5926971	0.000543032	0.000543032	6.64703E-06	0.010203391	0.003846951	0.222453639	0.012842404	5.40497E-06	30.77371407	5.44458E-05	0.000276234	0.000527637	0.003505995
2036 Jul	1205.231445	1.800394297	2.330790997	0.079832867	722.3657837	0.189030603	149.7469788	0.000480366	0.000480366	7.79846E-06	0.011083889	0.005043122	0.301904798	0.012538151	6.09368E-06	37.62500381	6.2121E-05	0.000261934	0.000641586	0.004687434
2036 Aug	1399.569092	2.101070881	2.715786219	0.092865542	841.1525269	0.215304941	174.1790924	0.000370914	0.000370914	8.14497E-06	0.011856087	0.005689588	0.350847214	0.01239174	6.15786E-06	42.29249954	6.98E-05	0.000287543	0.000728939	0.00531635
2036 Sep	1273.519775	1.93065989	2.462578535	0.084214322	764.1134644	0.197125062	158.4862061	0.000343141	0.000343141	7.41964E-06	0.011663314	0.005172445	0.31906566	0.012188077	5.61779E-06	39.6452713	6.56322E-05	0.00028339	0.000669185	0.004863938
2036 Oct	739.531189	1.139297009	1.388774753	0.047851563	435.9909058	0.130492091	91.5249939	0.000624098	0.000624098	6.33235E-06	0.01038048	0.003392756	0.184646815	0.014394334	5.31773E-06	29.28544426	4.39268E-05	0.00024656	0.000434371	0.003176086
2036 Nov	867.4661255	1.330035686	1.646163583	0.056564089	514.6411133	0.146281406	107.5812683	0.000551638	0.000551638	6.5675E-06	0.010709743	0.00381458	0.216796905	0.013829635	5.36415E-06	31.73575592	4.9273E-05	0.000254719	0.00049067	0.003580291
2036 Dec	885.5043335	1.356907606	1.682513595	0.057794012	525.7415771	0.148483977	109.8459015	0.000540793	0.000540793	6.59766E-06	0.010751097	0.003873479	0.221330583	0.013739399	5.36765E-06	32.07214737	5.00191E-05	0.000255749	0.000498542	0.003636778
2037 Jan	882.8450928	1.352781415	1.676964998	0.057604693	524.0632935	0.148107186	109.5065384	0.000542343	0.000542343	6.59243E-06	0.01074036	0.003866495	0.220625564	0.013823507	5.36652E-06	32.07287979	4.99091E-05	0.000256221	0.000498714	0.003629162
2037 Feb	881.5775757	1.350675106	1.674142122	0.057507154	523.2244263	0.147887141	109.3398132	0.000543172	0.000543172	6.58988E-06	0.010732252	0.003864768	0.220257416	0.01392755	5.36609E-06	32.11900711	4.98584E-05	0.000257014	0.000499971	0.003626257
2037 Mar	881.1983032	1.350004554	1.673195124	0.057474319	522.9521484	0.147819489	109.28759	0.000543816	0.000543816	6.59083E-06	0.010731626	0.003865193	0.220134586	0.013989186	5.36775E-06	32.15550613	4.98483E-05	0.000257537	0.000500832	0.003625955
2037 Apr	881.7098389	1.350737333	1.674037457	0.057503071	523.2288818	0.14790301	109.3480759	0.000544631	0.000544631	6.5968E-06	0.010740128	0.003868626	0.220246404	0.014035812	5.37313E-06	32.20281601	4.98838E-05	0.000258047	0.000501736	0.003628777
2037 May	714.4770508	1.067054272	1.317494988	0.045230135	415.1846619	0.11710804	87.42788696	0.000644532	0.000644532	6.25485E-06	0.009643259	0.003514826	0.173860535	0.023079071	5.29699E-06	34.67168808	4.44441E-05	0.000330264	0.000597116	0.003144204
2037 Jun	850.2590332	1.254855037	1.590852022	0.05443576	498.0250549	0.12947163	104.1796265	0.00056339	0.00056339	6.48072E-06	0.0097319	0.003974215	0.207427651	0.023280844	5.32335E-06	37.62925339	5.11867E-05	0.000353204	0.000684585	0.003542238
2037 Jul	1112.61084	1.659400105	2.131355286	0.072869606	662.4418335	0.168484241	137.6390839	0.000434953	0.000434953	7.10092E-06	0.010615403	0.004754628	0.275864571	0.017443633	5.54477E-06	39.29893494	6.04907E-05	0.000316338	0.000702993	0.004361433
2037 Aug	1406.151855	2.116533041	2.730814934	0.093278788	845.678833	0.212560192	175.0183258	0.000271109	0.000271109	7.68084E-06	0.011542473	0.005624625	0.352461517	0.011812477	5.6827E-06	42.2301445	7.00064E-05	0.000294209	0.000735445	0.005261999
2037 Sep	1238.608765	1.876791596	2.392766237	0.081845902	742.7200928	0.192674235	154.0876312	0.000359292	0.000359292	7.33823E-06	0.011461319	0.005053486	0.310410559	0.012263533	5.5876E-06	38.94000244	6.38128E-05	0.000281939	0.000653217	0.00474308
2037 Oct	929.2841797	1.422127724	1.77061224	0.06077601	552.6591797	0.153883159	115.3401718	0.000515905	0.000515905	6.67771E-06	0.01086069	0.004017736	0.232335076	0.013543125	5.38311E-06	32.9083252	5.18394E-05	0.000258527	0.000517781	0.003774859
2037 Nov	923.8600464	1.414072514	1.759675622	0.060405981	549.3202515	0.153221354	114.6593628	0.000519172	0.000519172	6.66866E-06	0.010849509	0.004000035	0.230970532	0.013571162	5.38208E-06	32.807827	5.16192E-05	0.000258218	0.000515424	0.003757962
2037 Dec	922.0371704	1.411360621	1.755993128	0.060281463	548.1968384	0.153002322	114.430397	0.000520362	0.000520362	6.66606E-06	0.010846116	0.003994168	0.230512246	0.013581887	5.38218E-06	32.77520752	5.15451E-05	0.000258132	0.000514638	0.003752331
2038 Jan	920.7786865	1.409412742	1.753372431	0.060192082	547.4036865	0.152825594	114.2699509	0.0005211	0.0005211	6.66362E-06	0.010841191	0.003990816	0.230179638	0.013619692	5.38167E-06	32.77414322	5.14931E-05	0.000258338	0.000514681	0.003748708
2038 Feb	920.1759033	1.408416986	1.752038598	0.060146045	547.0066528	0.152722433	114.1908951	0.000521482	0.000521482	6.66237E-06	0.010837401	0.003989916	0.230005994	0.013666172	5.38142E-06	32.79391479	5.14688E-05	0.000258688	0.000515225	0.003747287
2038 Mar	919.9047241	1.407962084	1.751420856	0.060124703	546.8243408	0.152675748	114.1549225	0.000521722	0.000521722	6.66211E-06	0.010836012	0.003989674	0.229925707	0.013692354	5.38162E-06	32.80672836	5.14587E-05	0.000258895	0.000515554	0.003746746
2038 Apr	920.5166626	1.408876181	1.752528429	0.060162645	547.1762085	0.152776346	114.2295456	0.000522293	0.000522293	6.66751E-06	0.010844246	0.003992859	0.230071545	0.013718634	5.38622E-06	32.84133148	5.14959E-05	0.000259228	0.00051617	0.003749559
2038 May	874.2300415	1.327528477	1.651704907	0.056678656	516.7435303	0.143521592	108.0767441	0.0005543	0.0005543	6.58842E-06	0.010514632	0.00391585	0.216846347	0.017015921	5.38267E-06	34.07924652	5.01713E-05	0.000287203	0.000557752	0.003622554
2038 Jun	830.1727905	1.226671696	1.551575541	0.053120546	485.9578552	0.127591223	101.7055359	0.000577166	0.000577166	6.45922E-06	0.009737817	0.003897459	0.202653781	0.022878818	5.3304E-06	36.90845871	5.03309E-05	0.000347416	0.000665633	0.003476516
2038 Jul	953.8554077	1.414614439	1.806619883	0.061884712	563.4408569	0.148216173	117.4735718	0.000573452	0.000573452	7.03693E-06	0.010390147	0.004296272	0.23539643	0.01981579	5.71975E-06	37.42145538	5.48417E-05	0.00032528	0.000660735	0.003889138
2038 Aug	1377.143921	2.073335409	2.67299962	0.091323331	828.0006714	0.209259093	171.3879242	0.000284762	0.000284762	7.61519E-06	0.011414917	0.005519945	0.345416516	0.011671971	5.65935E-06	41.53787231	6.84519E-05	0.000291804	0.000717343	0.005160223
2038 Sep	1193.43811	1.813679457	2.30183053	0.078762785	714.9856567	0.186782226	148.4637451	0.000374799	0.000374799	7.20503E-06	0.011484265	0.004895923	0.298843294	0.012433804	5.52097E-06	38.03024673	6.2551E-05	0.000277042	0.000633855	0.004607469

Appendix D.2-30: WES02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2038 Oct	847.697876	1.300623894	1.606249571	0.055214196	502.4614258	0.143897161	105.0984879	0.000564306	0.000564306	6.53818E-06	0.010671248	0.003750746	0.211827114	0.013942194	5.3641E-06	31.37885475	4.84666E-05	0.000253745	0.000482128	0.00351904
2038 Nov	874.5142212	1.340651751	1.660071492	0.057037156	518.9229736	0.147257969	108.4623489	0.00055048	0.00055048	6.59396E-06	0.010751309	0.003840411	0.21856451	0.013846861	5.38043E-06	31.91217422	4.96041E-05	0.000255715	0.000494071	0.003604861
2038 Dec	867.4299316	1.330090404	1.645819187	0.056554709	514.5678101	0.146383464	107.5732574	0.000554487	0.000554487	6.58091E-06	0.010733075	0.003817048	0.216784194	0.013878072	5.37783E-06	31.77643967	4.93082E-05	0.000255262	0.000490953	0.003582477
2039 Jan	864.5664673	1.325646758	1.639845848	0.056350887	512.7608643	0.145977154	107.2078476	0.00055614	0.00055614	6.57521E-06	0.010721385	0.003809512	0.216025054	0.01396832	5.37654E-06	31.77696037	4.91896E-05	0.000255766	0.000491136	0.003574262
2039 Feb	863.2006226	1.323375106	1.636807561	0.056245867	511.8576355	0.145738259	107.0282288	0.00055699	0.00055699	6.57226E-06	0.01071228	0.003807617	0.215628281	0.014079926	5.37586E-06	31.82619858	4.91343E-05	0.000256614	0.00049249	0.003571099
2039 Mar	862.7863159	1.322643399	1.635778069	0.056210157	511.5612183	0.145663798	106.9712753	0.000557664	0.000557664	6.57315E-06	0.010711405	0.003808036	0.215494573	0.014145989	5.37754E-06	31.86509705	4.9123E-05	0.000257173	0.000493414	0.003570738
2039 Apr	863.6115112	1.323853374	1.637203693	0.05625895	512.0216064	0.145800561	107.0704193	0.000558733	0.000558733	6.58175E-06	0.010724081	0.003812957	0.21568346	0.014200988	5.3851E-06	31.92642403	4.9177E-05	0.000257807	0.000494546	0.003574925
2039 May	898.9187012	1.375133634	1.706578255	0.058603674	533.3464966	0.149961069	111.4483719	0.000546472	0.000546472	6.68073E-06	0.01084422	0.003945553	0.224341974	0.014563802	5.43345E-06	32.97886658	5.08182E-05	0.000265401	0.000518837	0.003694568
2039 Jun	768.0758667	1.13753581	1.463575125	0.050335474	454.651947	0.121009909	94.42406464	0.000598691	0.000598691	6.37597E-06	0.009847093	0.003385385	0.192845479	0.011238636	5.30745E-06	26.827425	4.95061E-05	0.000251162	0.000440369	0.003080323
2039 Jul	1016.247986	1.515506029	1.96129477	0.067213453	607.8313599	0.158078402	125.9769516	0.000462222	0.000462222	6.85075E-06	0.010057005	0.004266969	0.254815996	0.010930408	5.41669E-06	32.12085724	5.55224E-05	0.000243354	0.000545829	0.003949649
2039 Aug	1004.952881	1.501992106	1.93403852	0.066312931	600.7381592	0.162207365	124.7354736	0.000486701	0.000486701	6.91024E-06	0.009663681	0.00428649	0.252126932	0.012010744	5.49605E-06	32.92609787	5.10892E-05	0.000240981	0.000541076	0.003959591
2039 Sep	1163.819946	1.765821457	2.243102312	0.076778978	696.8800659	0.183201998	144.7281799	0.00039753	0.00039753	7.18222E-06	0.011277671	0.004804116	0.291505992	0.012491759	5.54128E-06	37.36293793	6.08797E-05	0.000273613	0.000619869	0.004510228
2039 Oct	1060.799683	1.618220568	2.03481102	0.069722787	633.4343872	0.170285776	131.8395081	0.000446096	0.000446096	6.94187E-06	0.011230278	0.00445565	0.265384734	0.013035405	5.45356E-06	35.48858643	5.73729E-05	0.000267727	0.000576081	0.004193781
2039 Nov	1041.720947	1.589828491	1.996305108	0.068420388	621.6824951	0.1679786	129.4435425	0.000458159	0.000458159	6.91279E-06	0.011191788	0.004393894	0.260588437	0.013141235	5.45272E-06	35.14170837	5.65926E-05	0.000266754	0.00056782	0.004134538
2039 Dec	1037.176636	1.583061934	1.987143159	0.068110421	618.8852539	0.167425245	128.8729706	0.000460931	0.000460931	6.90539E-06	0.011181771	0.004379093	0.259446174	0.013164707	5.45203E-06	35.05759811	5.64054E-05	0.000266502	0.000565841	0.004120343
2040 Jan	1034.645996	1.579162598	1.981900096	0.067931756	617.2961426	0.167073965	128.5510559	0.000462368	0.000462368	6.90032E-06	0.011172	0.004372109	0.258781642	0.013231682	5.45083E-06	35.04889679	5.63003E-05	0.000266834	0.000565769	0.004112936
2040 Feb	1033.425415	1.577171326	1.979230642	0.067839816	616.4990845	0.166872278	128.3918457	0.000463126	0.000463126	6.89781E-06	0.011164872	0.004370004	0.258435726	0.013314535	5.45031E-06	35.08087158	5.62508E-05	0.000267443	0.000566664	0.004109933
2040 Mar	1033.224731	1.576795459	1.978667021	0.067820258	616.34198	0.166837379	128.3628235	0.000463742	0.000463742	6.89951E-06	0.011165977	0.004370806	0.258363515	0.013365203	5.45245E-06	35.11371613	5.6249E-05	0.00026789	0.000567398	0.004110134
2040 Apr	1034.476929	1.57866776	1.980965257	0.067898892	617.0682373	0.167038187	128.5161133	0.000464696	0.000464696	6.90957E-06	0.011181329	0.004377021	0.258664399	0.013411026	5.46084E-06	35.17832947	5.63223E-05	0.000268493	0.000568556	0.004115671
2040 May	966.7875366	1.465287447	1.836867332	0.062949955	573.4296265	0.155129343	119.6708755	0.000510001	0.000510001	6.79644E-06	0.010803702	0.004231472	0.240036428	0.016864816	5.45501E-06	36.0520668	5.41314E-05	0.000295762	0.000601714	0.0039222
2040 Jun	783.8382568	1.151563764	1.46193254	0.050083742	457.8485718	0.120062843	95.81338501	0.000600125	0.000600125	6.36592E-06	0.009529613	0.003720633	0.19131583	0.022304613	5.30284E-06	35.33499908	4.90235E-05	0.000341919	0.000638584	0.003297717
2040 Jul	1142.71875	1.706150651	2.198816299	0.07519076	682.3583984	0.173153907	141.5715942	0.000412624	0.000412624	7.14866E-06	0.010671441	0.004801698	0.284464598	0.015143638	5.54215E-06	38.25333023	6.14869E-05	0.000297542	0.000678447	0.004428145
2040 Aug	1344.455688	2.022329807	2.609740973	0.089193009	808.3588867	0.205502838	167.3414917	0.000305511	0.000305511	7.57264E-06	0.011205671	0.005413615	0.33725059	0.011426015	5.66302E-06	40.47811127	6.66878E-05	0.000279882	0.000696985	0.005061268
2040 Sep	1227.807983	1.860092998	2.370555162	0.081100665	735.9896851	0.19169873	152.7182159	0.000373386	0.000373386	7.35705E-06	0.011449031	0.005024027	0.307770431	0.012377596	5.62274E-06	38.80750656	6.3259E-05	0.00028263	0.000648085	0.004711277
2040 Oct	1010.198975	1.541689634	1.932769418	0.066272378	602.2713013	0.164248213	125.4729004	0.000480263	0.000480263	6.87573E-06	0.011081151	0.004293433	0.252737105	0.013305173	5.46228E-06	34.56935501	5.51004E-05	0.000265631	0.000553763	0.004033686
2040 Nov	990.5692749	1.512600303	1.893217325	0.064933822	590.1938477	0.161834136	123.0101929	0.000491593	0.000491593	6.84057E-06	0.011040689	0.004228953	0.247794524	0.013401676	5.45612E-06	34.2007637	5.43119E-05	0.000264421	0.000545228	0.00397243
2040 Dec	986.9581299	1.507223487	1.885947227	0.064687759	587.9729614	0.161389977	122.5569763	0.000493678	0.000493678	6.83412E-06	0.011031987	0.004217084	0.246886715	0.01341849	5.455E-06	34.13231659	5.41625E-05	0.000264198	0.000543645	0.003961071
2041 Jan	985.0352173	1.504256725	1.88195169	0.06455157	586.7630615	0.161121815	122.3120956	0.000494795	0.000494795	6.83037E-06	0.011024704	0.004211877	0.246379986	0.013473015	5.4542E-06	34.1283493	5.40833E-05	0.000264482	0.000543652	0.003955504
2041 Feb	984.1238403	1.502761245	1.879943848	0.064482339	586.1647339	0.160968706	122.1928482	0.000495381	0.000495381	6.82855E-06	0.011019322	0.004210435	0.246119216	0.01353986	5.45388E-06	34.15581512	5.40469E-05	0.000264981	0.000544409	0.00395333
2041 Mar	983.8945923	1.502354741	1.879360914	0.064462148	585.9980469	0.160929009	122.1610718	0.000495833	0.000495833	6.82941E-06	0.011019381	0.004210792	0.24604404	0.013579896	5.45518E-06	34.18001175	5.40417E-05	0.000265324	0.000544968	0.003953218
2041 Apr	984.5296021	1.503292203	1.880491138	0.064500794	586.3590088	0.161031619	122.2380295	0.000496477	0.000496477	6.83521E-06	0.011027988	0.004214271	0.246192649	0.013613267	5.46017E-06	34.22039032	5.40808E-05	0.000265726	0.000545711	0.00395623
2041 May	981.8789063	1.491059065	1.867982388	0.064045809	582.6315918	0.160646915	123.0336838	0.00049658	0.00049658	6.86092E-06	0.01098791	0.004270009	0.247428656	0.014821197	5.47792E-06	35.22037888	5.46748E-05	0.000278608	0.000573318	0.003989199
2041 Jun	672.4931641	0.971145749	1.246708035	0.042955644	387.8709106	0.116544932	90.18377686	0.000617965	0.000617965	6.31485E-06	0.009736997	0.003277337	0.184346303	0.011503754	5.29607E-06	26.25446892	4.8159E-05	0.000250613	0.00042856	0.002972673
2041 Jul	999.791687	1.453556538	1.881322145	0.064448319	582.7546997	0.16942668	137.9156342	0.00041906	0.00041906	7.07593E-06	0.010686863	0.004577397	0.278967947	0.01069048	5.50256E-06	34.2494812	6.09884E-05	0.000261033	0.000589917	0.004249573
2041 Aug	1255.338989	1.838817596	2.373003483	0.081114464	735.0307617	0.212161377	173.930603	0.000293474	0.000293474	7.75562E-06	0.011593295	0.00559595	0.350560129	0.011354771	5.76918E-06	41.6552124	6.97421E-05	0.000288273	0.000720982	0.005236975
2041 Sep	1208.5271	1.782517791	2.278675318	0.07790757	706.7956543	0.205796689	167.4346313	0.000298152	0.000298152	7.52926E-06	0.011743443	0.005402257	0.337131709	0.011752595	5.62172E-06	40.94609833	6.82847E-05	0.000288279	0.000699304	0.005078693
2041 Oct	912.953186	1.360699773	1.697395802	0.05824437	529.5453491	0.164574787	126.0248566	0.000472404	0.000472404	6.85705E-06	0.011109422	0.004302911	0.253748596	0.013240163	5.43708E-06	34.60366058	5.5427E-05	0.000264861	0.000555671	0.004047189
2041 Nov	880.2946777	1.313514113	1.633061886	0.056070048	509.9346008	0.160122484	121.4402008	0.000494532	0.000494532	6.79679E-06	0.011029375	0.004183839	0.244567439	0.013427513	5.43081E-06	33.9263916	5.39266E-05	0.00026281	0.000539773	0.003933129
2041 Dec	875.6370239	1.306779146	1.623889565	0.055760033	507.1382446	0.1594868	120.7863617	0.000497669	0.000497669	6.78811E-06	0.011017579	0.004166839	0.243258357	0.013453742	5.42983E-06	33.82941437	5.37116E-05	0.000262514	0.000537502	0.003916831
2042 Jan	873.1565552	1.303042412	1.618827701	0.055587478	505.6106567	0.1590987	120.431282	0.000499335	0.000499335	6.78288E-06	0.011007127	0.004159377	0.242523298	0.01353516	5.42888E-06	33.82549286	5.35969E-05	0.00026295	0.000537548	0.003908808
2042 Feb	871.9536743	1.301101565	1.616214991	0.055497229	504.8356628	0.158869028	120.2530212	0.00050018	0.00050018	6.78002E-06	0.010998787	0.00415718	0.242133766	0.01363397	5.42826E-06	33.86567688	5.35417E-05	0.000263685	0.000538665	0.00390552
2042 Mar	871.5297852	1.300389409	1.615220666	0.055462793	504.5474854	0.158786073	120.1878204	0.000500773	0.000500773	6.78026E-06	0.010997159	0.004157084	0.241985843	0.013691354	5.42936E-06	33.89650726	5.35259E-05	0.000264155	0.000539415	0.003904764
2042 Apr	873.6879883	1.303564429	1.619101882	0.055595893	505.772583	0.159176022	120.4816208	0.00050249	0.00050249	6.79906E-06	0.011026511	0.004168475	0.242567882	0.013761728	5.44494E-06	34.00738907	5.36642E-05	0.00026515	0.000541328	0.003915085
2042 May	825.7235718	1.21596837	1.510905027	0.051854882	473.0804749	0.150562212	115.1135406	0.000534081	0.000534081	6.74587E-06	0.010722579	0.004120826	0.230852097	0.017300714	5.45844E-06	35.56253433	5.2699E-05	0.000296318	0.000590543	0.003812198
2042 Jun	670.4332275	0.946044624	1.204389811	0.041449264	375.8097839	0.12637201	98.87491608	0.000586182	0.000586182	6.45489E-06	0.009955968	0.003586844	0.200474456	0.014139005	5.34168E-06	29.86623383	5.03039E-05	0.000275359	0.000502924	0.003258042
2042 Jul	720.836853	1.011758208	1.302438378	0.044790339	404.8334961	0.136991516	108.7258072	0.000538302	0.000538302	6.59528E-06	0.010041634	0.003796788	0.220837697	0.011730116	5.36209E-06	29.74656868	5.29154E-05	0.0002578	0.000500865	0.003477688
2042 Aug	774.0754395	1.090280533	1.402125239	0.048166659	435.8162231	0.14826566	117.3849258	0.000500022	0.000500022	6.71771E-06	0.010065638	0.004037644	0.238004029	0.011703577	5.38539E-06	31.39410973	5.38102E-05	0.000258121	0.000526616	0.003714095
2042 Sep	786.1152344	1.109561324	1.423802972	0.048902258	442.7384338	0.151363239	119.3807907	0.000491685	0.000491685	6.74603E-06	0.010089558	0.004094528	0.241966099	0.011786048	5.39159E-06	31.89888191	5.37955E-05	0.000259368	0.000532043	0.003771242
2042 Oct	793.0375366	1.121627808	1.436270714	0.049324792	446.7070923	0.152909905	120.5185242	0.000485874	0.000485874	6.75668E-06	0.010165886	0.00412549	0.24413076	0.011844444	5.3897E-06	32.17414856	5.4116E-05	0.000259819	0.000535905	0.003806603
2042 Nov	793.0571289	1.121722341	1.4362396	0.049324255	446.7074585	0.152943417	120.5209274	0.000486448	0.000486448	6.75948E-06	0.010171806	0.004126142	0.244134292	0.011856307	5.39252E-06	32.18519974	5.41235E-05	0.000259933	0.000535976	0.003807289
2042 Dec	792.987793	1.121630549	1.436100245	0.049319603	446.6659241	0.152935535	120.5099716	0.000486557	0.000486557	6.7596E-06	0.010172144	0.004125913	0.244112313	0.011857841	5.39278E-06	32.18454742	5.41206E-05	0.000259939	0.000535944	0.003807073
2043 Jan	792.9329834	1.121552706	1.435989141	0.049315818	446.6327515	0.152926579	120.5011978	0.000486605	0.000486605	6.7595E-06	0.010171989	0.004125739	0.244093999	0.011860195	5.39278E-06	32.18474579	5.41178E-05	0.000259952	0.000535948	0.003806889
2043 Feb	792.9078369	1.121513724	1.43593359	0.049313899	446.6165771	0.152921379	120.4969482	0.00048663	0.00048663	6.75945E-06	0.010171846	0.004125699	0.244084582	0.011862935	5.39279E-06	32.18601227	5.41165E-05	0.000259973	0.00053598	0.003806821
2043 Mar	792.9206543	1.121530056	1.435951471	0.049314503	446.6227417	0.152923658	120.4986725	0.00048666	0.00048666	6.75965E-06	0.010172108	0.004125816	0.244087622	0.011864829	5.39297E-06	32.18778229	5.41177E-05	0.000259993	0.000536015	0.003806912
2043 Apr	793.5306396	1.12239182	1.437053084	0.049352329	446.9657288	0.153041199	120.5912476	0.000487047	0.000487047	6.76491E-06	0.010179989	0.004129018	0.244274884	0.011874925	5.39718E-06	32.21325684	5.41594E-05	0.000260202	0.000536443	0.003809857
2043 May	791.1758423	1.118201256	1.431118011	0.049147643	445.2473755	0.152655259	120.2972412	0.000491692	0.000491692	6.77527E-06	0.010189547	0.004131989	0.243589848	0.012230488	5.4116E-06	32.42615891	5.41561E-05	0.000263415	0.0005414	0.003808655
2043 Jun	726.1851196	1.014340281	1.293685794	0.044433545	403.6716614	0.141757697	111.9074631	0.000526095	0.000526095	6.62499E-06	0.009929077	0.003974098	0.225900248	0.015053966	5.36313E-06	32.95267868	5.21799E-05	0.000284313	0.000563502	0.003622742
2043 Jul	735.6906128	1.025542259	1.309501648	0.04497407	408.4085693	0.144489959	114.2943573	0.000521247	0.000521247	6.69002E-06	0.010019839	0.004036735	0.230746523	0.014810687	5.39997E-06	33.19324493	5.29828E-05	0.00028342	0.000567776	0.00368559
2043 Aug	748.6485596	1.042727947	1.331929803	0.045736771	415.2971191	0.147750273	116.9975662	0.000514613	0.000514613	6.75614E-06	0.01010694	0.004111065	0.236196995	0.014709963	5.43472E-06	33.62913513	5.37151E-05	0.000284259	0.000574892	0.003758488
2043 Sep	757.6276855	1.054729462	1.34715116	0.046252374	419.967804	0.150218114	119.0515747	0.000505904	0.000505904	6.78823E-06	0.010158485	0.004163175	0.240339026	0.014558729	5.44292E-06	33.91232681	5.42034E-05	0.000284185	0.000579124	0.003811312
2043 Oct	751.3605347	1.046767592	1.334342003	0.045821212	416.1156921	0.149802506	118.3395767	0.000508246	0.000508246	6.77261E-06	0.010171921	0.004141895	0.238888338	0.014525705	5.43593E-06	33.77666473	5.39117E-05	0.000282711	0.000574533	0.003795299
2043 Nov	741.7823486	1.034168243	1.315746069	0.045194227	410.4877625	0.148612171	116.9416199	0.000513524	0.000513524	6.74647E-06	0.010159643	0.004102956	0.236070916	0.014526878	5.42639E-06	33.53814697	5.34025E-05	0.000281136	0.000568108	0.003761105
2043 Dec	741.6702881	1.034020662	1.315529346	0.045186955	410.4225464	0.148597032	116.9233475	0.000513649	0.000513649	6.7464E-06	0.010159745	0.004102509	0.236034274	0.014528084	5.42654E-06	33.53593063	5.33968E-05	0.000281131	0.000568042	0.00376069
2044 Jan	741.623291	1.033954859	1.315434217	0.045183722	410.3942871	0.148589149	116.9154358	0.000513697	0.000513697	6.74634E-06	0.010159646	0.004102359	0.236017779	0.014530321	5.42657E-06	33.53620529	5.33943E-05	0.000281144	0.000568046	0.003760529
2044 Feb	741.6360474	1.033969283	1.315447092	0.045184147	410.3993835	0.14859131	116.9169846	0.000513747	0.000513747	6.74662E-06	0.010159998	0.00410252	0.236020073	0.014533719	5.42684E-06	33.53908539	5.33957E-05	0.000281178	0.000568105	0.003760646
2044 Mar	741.7035522	1.03406179	1.315561414	0.045188073	410.4356995	0.148604631	116.9273834	0.000513815	0.000513815	6.74733E-06	0.01016102	0.004102943	0.236040622	0.014536748	5.42743E-06	33.54338837	5.34008E-05	0.000282129	0.000568184	0.003761017
2044 Apr	741.8988037	1.034332871	1.315904737	0.045199856	410.5431213	0.148643628	116.9580154	0.000513963	0.000513963	6.74915E-06	0.010163747	0.00410405	0.236102208	0.014541521	5.42891E-06	33.55290985	5.3415E-05	0.000281302	0.000568348	0.003762023
2044 May	743.166626	1.036016822	1.318022847	0.045272436	411.2101746	0.148912355	117.1752548	0.000515019	0.000515019	6.76209E-06	0.010182984	0.0041122	0.236534834	0.014586903	5.43943E-06	33.6288681	5.35182E-05	0.000281998	0.000569732	0.003769311
2044 Jun	555.7171631	0.76146096	0.96910727	0.033487923	303.7432251	0.117953725	89.11395264	0.000628635	0.000628635	6.30352E-06	0.008439304	0.003173803	0.179409787	0.01285934	5.30518E-06	27.01260757	4.23347E-05	0.000241036	0.000447855	0.003028995
2044 Jul	341.1358948	0.454700768	0.578725874	0.020333838	183.7532654	0.081426635	54.93984985	0.000778103	0.000778103	5.79755E-06	0.006103252	0.001998254	0.109461293	0.010419716	5.19512E-06	18.70907402	2.75487E-05	0.000184008	0.000291815	0.002143503
2044 Aug	227.0031891	0.292202324	0.371442169	0.013352044	120.2605743	0.06162405	36.37239838	0.000862014	0.000862014	5.53148E-06	0.004900223	0.00136098	0.071542427	0.009316382	5.14564E-06	14.36032581	1.94282E-05	0.000139163	0.000215035	0.001643313

Appendix D.2-30: WES02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2044 Sep	180.1629486	0.224762008	0.285175413	0.010443027	93.9657135	0.053574324	28.92180252	0.000892153	0.000892153	5.40428E-06	0.004437011	0.001097828	0.056389835	0.008901376	5.10623E-06	12.64140511	1.60639E-05	0.000106978	0.000188587	0.001428133
2044 Oct	164.2635651	0.201942027	0.25578174	0.009451939	85.02274323	0.050815128	26.35867691	0.000902584	0.000902584	5.36083E-06	0.004276354	0.001007093	0.051143922	0.008773839	5.09298E-06	12.06893349	1.49354E-05	9.63419E-05	0.000179275	0.001359621
2044 Nov	164.5275116	0.202335134	0.256211489	0.009466476	85.15731812	0.050880924	26.40967178	0.000902436	0.000902436	5.36192E-06	0.004281928	0.001009058	0.051248625	0.008779792	5.09349E-06	12.08377743	1.49594E-05	9.64784E-05	0.000179483	0.001361109
2044 Dec	164.5285797	0.20233725	0.256211966	0.009466507	85.15766144	0.050881721	26.40979576	0.000902453	0.000902453	5.36201E-06	0.00428207	0.001009077	0.051248893	0.00878008	5.09358E-06	12.08404827	1.49596E-05	9.64818E-05	0.000179486	0.001361127
2045 Jan	164.5279236	0.202336535	0.25620994	0.009466435	85.15711975	0.050881594	26.40963745	0.000902454	0.000902454	5.36201E-06	0.004282098	0.001009084	0.051248539	0.008780337	5.09358E-06	12.08422184	1.49597E-05	9.64843E-05	0.000179489	0.001361127
2045 Feb	164.5278931	0.202336296	0.256209046	0.0094664	85.15692902	0.050881475	26.40958595	0.000902455	0.000902455	5.36201E-06	0.004282107	0.001009092	0.051248357	0.008780628	5.09358E-06	12.08443069	1.49597E-05	9.64871E-05	0.000179493	0.00136113
2045 Mar	164.5336914	0.202343285	0.256217599	0.009466715	85.15983582	0.050883204	26.41048813	0.000902487	0.000902487	5.3622E-06	0.004282264	0.001009133	0.05125007	0.008781097	5.09376E-06	12.08497238	1.49602E-05	9.6492E-05	0.000179502	0.001361179
2045 Apr	164.5545654	0.202368885	0.256249845	0.009467906	85.17058563	0.050889622	26.41382408	0.000902602	0.000902602	5.36288E-06	0.00428281	0.001009263	0.051256515	0.008782302	5.09441E-06	12.08657074	1.49621E-05	9.65051E-05	0.000179527	0.001361353
2045 May	164.6898041	0.202535167	0.256460339	0.009475683	85.24056244	0.050931435	26.43552589	0.000903344	0.000903344	5.36729E-06	0.004286332	0.001010094	0.051298618	0.00878956	5.0986E-06	12.09653378	1.49745E-05	9.65848E-05	0.000179675	0.001362472
2045 Jun	161.6470032	0.197534755	0.250251055	0.009263542	83.24771118	0.05056062	26.17938805	0.000902519	0.000902519	5.35524E-06	0.00428902	0.001004941	0.050837912	0.008726912	5.08905E-06	12.00161648	1.5011E-05	9.92389E-05	0.000177036	0.00135564
2045 Jul	146.7847595	0.176237106	0.223237872	0.008353443	74.87992096	0.048108473	23.86152649	0.00091331	0.00091331	5.32553E-06	0.004125808	0.000928616	0.046082214	0.008540299	5.08577E-06	11.42303848	1.40733E-05	0.0001011	0.00016442	0.001301764
2045 Aug	129.5281525	0.151799262	0.19211112	0.007306203	65.3476181	0.045109898	21.01659775	0.000927374	0.000927374	5.29073E-06	0.003936518	0.000831042	0.040259112	0.008376515	5.08418E-06	10.75765419	1.28033E-05	9.49631E-05	0.000152613	0.001225393
2045 Sep	117.7654953	0.134848997	0.170455903	0.006576254	58.7771492	0.043033618	19.10871506	0.000935429	0.000935429	5.25922E-06	0.003820899	0.00076255	0.03637955	0.008290859	5.07534E-06	10.33156109	1.19236E-05	8.44506E-05	0.00014692	0.001168089
2045 Oct	112.4171906	0.127163082	0.160627425	0.006245208	55.80070877	0.04205614	18.20731735	0.000939452	0.000939452	5.2455E-06	0.003763006	0.00073008	0.034529898	0.008255678	5.07231E-06	10.13782406	1.15204E-05	7.99434E-05	0.000144037	0.001144086
2045 Nov	112.4290619	0.127177045	0.160643712	0.00624585	55.80648041	0.042060837	18.20920753	0.000939557	0.000939557	5.24608E-06	0.00376347	0.000730165	0.034533504	0.008256682	5.07288E-06	10.13900661	1.15217E-05	7.99535E-05	0.000144053	0.001144211
2045 Dec	112.4314041	0.12717998	0.160646707	0.006245971	55.80757904	0.042061854	18.20957184	0.00093958	0.00093958	5.2462E-06	0.003763586	0.000730184	0.034534201	0.008256927	5.073E-06	10.13927937	1.1522E-05	7.9956E-05	0.000144056	0.001144238
2046 Jan	112.4317703	0.127180472	0.160646915	0.00624598	55.8076973	0.042061999	18.2096138	0.000939584	0.000939584	5.24622E-06	0.003763611	0.00073019	0.034534268	0.008257048	5.07302E-06	10.13938236	1.15221E-05	7.99573E-05	0.000144058	0.001144243
2046 Feb	112.4323654	0.127181098	0.160647511	0.006246002	55.80794525	0.042062175	18.20969391	0.000939588	0.000939588	5.24625E-06	0.003763633	0.000730197	0.034534395	0.008257187	5.07304E-06	10.13950443	1.15221E-05	7.99586E-05	0.00014406	0.001144249
2046 Mar	112.4381332	0.12718758	0.160655618	0.006246317	55.81077576	0.042064302	18.21061707	0.000939636	0.000939636	5.24652E-06	0.003763827	0.000730236	0.034536134	0.008257662	5.0733E-06	10.14006138	1.15227E-05	7.99632E-05	0.000144068	0.001144309
2046 Apr	112.462822	0.127215475	0.160690799	0.006247684	55.82300949	0.042073518	18.21461105	0.000939843	0.000939843	5.24767E-06	0.003764654	0.000730397	0.034543697	0.008259503	5.07441E-06	10.14230824	1.15253E-05	7.9981E-05	0.0001441	0.00114456
2046 May	112.5970154	0.127369747	0.16088064	0.006254581	55.88653564	0.042114921	18.23975182	0.000940449	0.000940449	5.25152E-06	0.003768252	0.000731447	0.034592405	0.008269379	5.07801E-06	10.15481853	1.15396E-05	8.00964E-05	0.000144312	0.001145732
2046 Jun	112.9113617	0.127229124	0.160737485	0.006246251	55.78398895	0.042300891	18.5013752	0.000937088	0.000937088	5.2453E-06	0.003801734	0.000744019	0.035173561	0.00827706	5.06844E-06	10.21056271	1.17639E-05	8.28181E-05	0.000144871	0.001151949
2046 Jul	109.258934	0.12165796	0.153744042	0.006008287	53.56417465	0.041843165	18.10439682	0.000936975	0.000936975	5.23152E-06	0.003763565	0.0007317	0.034361705	0.008197336	5.05884E-06	10.07385921	1.16254E-05	8.58487E-05	0.000141173	0.00114424
2046 Aug	101.8969116	0.111336589	0.140582427	0.005566228	49.53839111	0.040557891	16.859869	0.000943784	0.000943784	5.2195E-06	0.003680199	0.000689211	0.031809703	0.008130633	5.06137E-06	9.786180496	1.10593E-05	8.34389E-05	0.000135988	0.001111193
2046 Sep	96.63736725	0.103762217	0.13082245	0.005236662	46.58937073	0.039640348	16.01878929	0.000946635	0.000946635	5.20185E-06	0.003629609	0.000658519	0.030104779	0.008096612	5.0538E-06	9.601786613	1.06498E-05	7.76064E-05	0.000133855	0.001084324
2046 Oct	94.30408478	0.100435078	0.126431063	0.005088243	45.26847458	0.03923117	15.63992882	0.000947736	0.000947736	5.19297E-06	0.003606731	0.000644649	0.029326502	0.008086005	5.04946E-06	9.525145531	1.04738E-05	7.50659E-05	0.000132812	0.00107398
2046 Nov	94.38766479	0.100551747	0.126555398	0.005092437	45.30747223	0.039255634	15.65922642	0.00094768	0.00094768	5.19339E-06	0.00360874	0.000645383	0.02936608	0.008088178	5.04966E-06	9.530669212	1.04828E-05	7.51164E-05	0.000132892	0.001074539
2046 Dec	94.38954926	0.100554094	0.126557559	0.005092529	45.30831146	0.039256554	15.65951824	0.000947702	0.000947702	5.19351E-06	0.00360885	0.0006454	0.029366642	0.008088414	5.04977E-06	9.530921936	1.0483E-05	7.51188E-05	0.000132895	0.001074563
2047 Jan	94.38977814	0.100554422	0.126557559	0.00509253	45.30835724	0.039256647	15.65953732	0.000947705	0.000947705	5.19352E-06	0.003608872	0.000645405	0.029366659	0.008088532	5.04979E-06	9.531018257	1.04831E-05	7.512E-05	0.000132896	0.001074567
2047 Feb	94.39041138	0.100555047	0.12655814	0.005092552	45.30860901	0.039256845	15.65962315	0.00094771	0.00094771	5.19355E-06	0.003608897	0.000645412	0.029366793	0.008088685	5.04982E-06	9.531152725	1.04832E-05	7.51215E-05	0.000132899	0.001074574
2047 Mar	94.39846039	0.100563601	0.126568809	0.005092981	45.31244659	0.039260156	15.66094875	0.000947791	0.000947791	5.19399E-06	0.003609205	0.000645469	0.029369265	0.008089429	5.05024E-06	9.532003403	1.04841E-05	7.51284E-05	0.000132911	0.001074666
2047 Apr	94.40854645	0.100574322	0.126582235	0.005093521	45.31726456	0.039264329	15.66261578	0.000947892	0.000947892	5.19454E-06	0.00360959	0.000645539	0.029372381	0.008090323	5.05078E-06	9.533043861	1.04852E-05	7.51368E-05	0.000132926	0.001074781
2047 May	94.61804962	0.100797221	0.126820564	0.005101316	45.39810181	0.039312065	15.7076664	0.00094807	0.00094807	5.19694E-06	0.003615394	0.000648089	0.029459355	0.00812039	5.0527E-06	9.564427376	1.05146E-05	7.55139E-05	0.000133554	0.001076509
2047 Jun	95.17227173	0.101088516	0.126963526	0.0051012	45.44497681	0.03946989	15.94083595	0.000945302	0.000945302	5.19154E-06	0.003633954	0.000661499	0.02991282	0.008252028	5.04464E-06	9.706825256	1.06662E-05	7.84198E-05	0.000136339	0.001084203
2047 Jul	91.70250702	0.096284859	0.120876685	0.004898141	43.56155777	0.038896281	15.3423872	0.00094996	0.00094996	5.19324E-06	0.003588984	0.000641853	0.028666638	0.008206104	5.05316E-06	9.560095787	1.04165E-05	8.00356E-05	0.000132672	0.001072988
2047 Aug	87.44741058	0.090354584	0.113345161	0.004646088	41.25832367	0.03815553	14.6074276	0.000954728	0.000954728	5.18987E-06	0.003541057	0.000616542	0.027160777	0.008160637	5.05839E-06	9.385637283	1.00834E-05	7.86825E-05	0.000129453	0.001053702
2047 Sep	84.18715668	0.085660189	0.107325599	0.004443036	39.4414711	0.037579175	14.07993126	0.00095655	0.00095655	5.17892E-06	0.003510049	0.000596839	0.026096161	0.008132605	5.05377E-06	9.264779091	9.82368E-06	7.45366E-05	0.000128128	0.00103626
2047 Oct	82.72881317	0.0835765	0.104585037	0.004350344	38.61758423	0.037319124	13.84319687	0.00095706	0.00095706	5.17248E-06	0.003495186	0.000587843	0.025610931	0.008121522	5.05017E-06	9.213670731	9.71126E-06	7.26748E-05	0.000127466	0.001029587
2047 Nov	82.80897522	0.083686523	0.104698181	0.004354107	38.65281296	0.037344091	13.86378002	0.000956944	0.000956944	5.17265E-06	0.003497218	0.000588623	0.025653325	0.008123448	5.0501E-06	9.219251633	9.72065E-06	7.27266E-05	0.000127547	0.001030147
2047 Dec	82.81034088	0.083688192	0.104699634	0.004354171	38.65340424	0.03734481	13.86399364	0.000956961	0.000956961	5.17275E-06	0.003497306	0.000588637	0.025653731	0.00812364	5.0502E-06	9.219452858	9.72086E-06	7.27285E-05	0.00012755	0.001030166
2048 Jan	82.81096649	0.083688907	0.104700185	0.004354195	38.65364838	0.037345085	13.86408138	0.000956969	0.000956969	5.17278E-06	0.003497343	0.000588644	0.025653882	0.00812378	5.05023E-06	9.219579697	9.72095E-06	7.27299E-05	0.000127552	0.001030174
2048 Feb	82.81209564	0.083690017	0.104701407	0.004354245	38.65412903	0.037345525	13.86425304	0.000956981	0.000956981	5.17285E-06	0.00349739	0.000588654	0.025654176	0.008123968	5.0503E-06	9.219759941	9.72108E-06	7.27317E-05	0.000127555	0.001030189
2048 Mar	82.81231689	0.083690234	0.104701594	0.004354252	38.65421295	0.037345599	13.86428261	0.000956983	0.000956983	5.17286E-06	0.003497399	0.000588657	0.025654221	0.008124032	5.05031E-06	9.219815254	9.72111E-06	7.27323E-05	0.000127556	0.001030191
2048 Apr	82.82627869	0.083704539	0.104719281	0.004354961	38.66060257	0.037351459	13.86682606	0.000957116	0.000957116	5.1736E-06	0.003497927	0.000588764	0.025658984	0.008125354	5.05103E-06	9.221357346	9.72273E-06	7.27449E-05	0.000127579	0.001030355
2048 May	82.87797546	0.083756857	0.10478463	0.004357667	38.68466568	0.037374575	13.87556934	0.000957701	0.000957701	5.17677E-06	0.003500083	0.000589135	0.025675183	0.008130416	5.05412E-06	9.227116585	9.7288E-06	7.27905E-05	0.000127659	0.001030993
2048 Jun	82.93449402	0.083555549	0.104558453	0.00434795	38.5781517	0.037449092	13.997365	0.000955449	0.000955449	5.17062E-06	0.003515178	0.000594863	0.025953304	0.008119365	5.04635E-06	9.241979599	9.83581E-06	7.40818E-05	0.000127658	0.001033363
2048 Jul	81.34794617	0.081168838	0.101565368	0.004246096	37.61895752	0.03723786	13.81278324	0.000955415	0.000955415	5.16444E-06	0.003501083	0.000589988	0.02558285	0.008083269	5.04207E-06	9.179718971	9.78931E-06	7.60279E-05	0.000125782	0.001030125
2048 Aug	78.66690826	0.077427574	0.096809283	0.004086759	36.16334534	0.036784988	13.35826302	0.000958204	0.000958204	5.16158E-06	0.00346977	0.000574409	0.024651717	0.008054025	5.04452E-06	9.070680618	9.57368E-06	7.52376E-05	0.000123749	0.001018024
2048 Sep	76.27159882	0.074034512	0.092457093	0.003940172	34.85428619	0.036335561	12.9446764	0.000959825	0.000959825	5.15392E-06	0.00344609	0.000559111	0.023815397	0.008037033	5.04184E-06	8.97968483	9.37203E-06	7.2044E-05	0.000122784	0.001004533
2048 Oct	75.17456055	0.072491869	0.090430282	0.00387159	34.24617004	0.036125459	12.75553322	0.000960184	0.000960184	5.14853E-06	0.003433881	0.000551948	0.023427339	0.008029127	5.03872E-06	8.939474106	9.28187E-06	7.05679E-05	0.000122279	0.000999182
2048 Nov	75.20553589	0.072542191	0.090463907	0.003872714	34.25749207	0.036138434	12.76392269	0.000960155	0.000960155	5.14868E-06	0.003435529	0.000552381	0.023445088	0.008031371	5.03878E-06	8.943063736	9.287E-06	7.06097E-05	0.000122318	0.000999449
2048 Dec	75.20670319	0.072543584	0.090465084	0.003872768	34.25797653	0.036139078	12.76410675	0.000960172	0.000960172	5.14877E-06	0.003435608	0.000552392	0.023445435	0.008031544	5.03887E-06	8.94324398	9.28718E-06	7.06114E-05	0.00012232	0.000999466
2049 Jan	75.20697021	0.072543919	0.090465203	0.003872773	34.25806046	0.03613919	12.76413631	0.000960175	0.000960175	5.14879E-06	0.003435628	0.000552397	0.023445478	0.008031638	5.03888E-06	8.943325043	9.28722E-06	7.06124E-05	0.000122322	0.00099947
2049 Feb	75.20722961	0.072544158	0.090465367	0.003872779	34.25814438	0.036139261	12.76416683	0.000960177	0.000960177	5.1488E-06	0.003435639	0.000552401	0.023445517	0.008031734	5.03889E-06	8.943403244	9.28726E-06	7.06133E-05	0.000122323	0.000999474
2049 Mar	75.20949554	0.072546333	0.090467997	0.003872892	34.25915909	0.036140315	12.76454353	0.000960206	0.000960206	5.14895E-06	0.003435742	0.000552419	0.023446197	0.008032013	5.03904E-06	8.943697929	9.28754E-06	7.06158E-05	0.000122328	0.000999504
2049 Apr	75.22101593	0.072557442	0.09048181	0.003873482	34.26439667	0.036145832	12.76649475	0.000960352	0.000960352	5.14974E-06	0.003436268	0.000552504	0.023449775	0.008033263	5.03981E-06	8.945083618	9.28896E-06	7.06268E-05	0.000122347	0.000999657
2049 May	75.28313446	0.072618037	0.090555735	0.003876463	34.29139328	0.036172573	12.77862644	0.000960941	0.000960941	5.15304E-06	0.003438754	0.00055303	0.023472652	0.008039666	5.043E-06	8.952498436	9.29688E-06	7.06909E-05	0.00012246	0.001000409
2049 Jun	75.06070709	0.072153226	0.089964986	0.003854342	34.07873154	0.036139339	12.80422878	0.00095887	0.00095887	5.14418E-06	0.003448212	0.000555925	0.023553222	0.0080348	5.03367E-06	8.953949928	9.36193E-06	7.17552E-05	0.000122283	0.001000113
2049 Jul	73.68296051	0.070192285	0.087497965	0.00377073	33.29434204	0.035922538	12.60374069	0.000959236	0.000959236	5.13919E-06	0.003430989	0.000550023	0.023141883	0.00800581	5.03083E-06	8.893976212	9.29071E-06	7.32011E-05	0.000120599	0.000996437
2049 Aug	71.63724518	0.067377917	0.083931983	0.003652571	32.21231079	0.035566915	12.22402477	0.000962918	0.000962918	5.1434E-06	0.003408244	0.000537093	0.022358308	0.007991991	5.03953E-06	8.811161995	9.1197E-06	7.26369E-05	0.000119029	0.000987272
2049 Sep	69.871315	0.064896576	0.080733724	0.003544811	31.25305176	0.035228595	11.91398048	0.000964053	0.000964053	5.13721E-06	0.003390783	0.000525542	0.021731311	0.007980427	5.03709E-06	8.743796349	8.96678E-06	7.00666E-05	0.000118377	0.000976952
2049 Oct	69.04057312	0.063745297	0.079204015	0.003492994	30.79553604	0.035065033	11.76677036	0.000964256	0.000964256	5.13262E-06	0.003381576	0.000520001	0.021429434	0.007975383	5.03427E-06	8.713525772	8.89643E-06	6.88706E-05	0.000118008	0.000972759
2049 Nov	69.06082153	0.063773431	0.079226419	0.003493768	30.80303383	0.035073627	11.77246189	0.000964268	0.000964268	5.13288E-06	0.00338249	0.000520257	0.021441206	0.007976656	5.03447E-06	8.715711594	8.89959E-06	6.88933E-05	0.000118035	0.000972951
2049 Dec	69.06214905	0.063774861	0.079227768	0.00349383	30.80359268	0.035074361	11.77267647	0.000964288	0.000964288	5.13298E-06	0.003382573	0.00052027	0.021441605	0.007976845	5.03457E-06	8.715909004	8.89979E-06	6.88951E-05	0.000118038	0.000972971
2050 Jan	69.06256104	0.063775308	0.079228096	0.003493845	30.80374908	0.035074558	11.77273464	0.000964293	0.000964293	5.13301E-06	0.003382599	0.000520275	0.021441704	0.007976943	5.0346E-06	8.715997696	8.89985E-06	6.8896E-05	0.000118039	0.000972977
2050 Feb	69.06277466	0.06377551	0.07922823	0.003493851	30.80381966	0.035074618	11.77276134	0.000964295	0.000964295	5.13302E-06	0.003382609	0.000520278	0.021441735	0.007977018	5.03461E-06	8.716059685	8.89988E-06	6.88967E-05	0.00011804	0.000972979
2050 Mar	69.0632019	0.063775897	0.079228655	0.003493869	30.80399513	0.035074808	11.77282715	0.000964301	0.000964301	5.13305E-06	0.003382629	0.000520282	0.021441849	0.007977095	5.03463E-06	8.716133118	8.89993E-06	6.88974E-05	0.000118042	0.000972985
2050 Apr	69.07086945	0.063782975	0.079237409	0.003494255	30.80740547	0.035078682	11.77412987	0.000964407	0.000964407	5.13362E-06	0.003383004	0.00052034	0.021444218	0.007977996	5.03519E-06	8.717111588	8.90092E-06	6.89053E-05	0.000118055	0.000973093
2050 May	69.10865784	0.063817687	0.079279266	0.003496077	30.82376289	0.035097063	11.78065395	0.000964904	0.000964904	5.13628E-06	0.003384849	0.000520653	0.0214561	0.007982862	5.0378E-06	8.722263336	8.90599E-06	6.89498E-05	0.00011813	0.000973616
2050 Jun	68.77831268	0.063295208	0.078579962	0.003470885	30.59302521	0.03501457	11.74312782	0.00096383	0.00096383	5.12982E-06	0.003389042	0.000521549	0.021394754	0.007995043	5.03168E-06	8.724741936	8.93223E-06	6.9865E-05	0.000118042	0.000972381
2050 Jul	67.58000946	0.061655693	0.076516435	0.003400497	29.9332695	0.034794651	11.55026054	0.000963599	0.000963599	5.12211E-06	0.00337191	0.000515921	0.021001717	0.007967	5.02604E-06	8.666649818	8.86029E-06	7.10523E-05	0.000116494	0.000968285
2050 Aug	66.13896179	0.059690598	0.074032761	0.003318237	29.17787933	0.034541871	11.27855396	0.000966186	0.000966186	5.12493E-06	0.003354712	0.000506742	0.020439936	0.007955714	5.03206E-06	8.606136322	8.73647E-06	7.07969E-05	0.000115296	0.000961896
2050 Sep	65.90881348	0.059371043	0.073588885	0.003303338	29.0464077	0.034510184	11.24253941	0.000966411	0.000966411	5.12463E-06	0.003354775	0.000505652	0.020370483	0.00795757	5.0322E-06	8.600906372	8.7187E-06	7.04462E-05	0.000115276	0.000960424
2050 Oct	65.94129944	0.059409712	0.073621236	0.003304684	29.058918	0.034527104	11.24973488	0.000966704	0.000966704	5.12631E-06	0.00335667	0.000506017	0.020384703	0.007961271	5.03382E-06	8.605376244	8.72387E-06	7.04894E-05	0.000115331	0.000960848
2050 Nov	65.95155334	0.059419189	0.073632538	0.003305191	29.06339836	0.034532506	11.25149727	0.000966853	0.000966853	5.1271E-06	0.003357207	0.000506099	0.020387916	0.007962527	5.0346E-06	8.606734276	8.72525E-06	7.05008E-05	0.000115349	0.000960997
2050 Dec	65.95279694	0.059420429	0.073633842	0.003305251	29.06393051	0.034533191	11.25170422	0.000966872	0.000966872	5.1272E-06	0.003357281	0.00050611	0.020388294	0.007962697	5.03469E-06	8.606913567	8.72543E-06	7.05024E-05	0.000115351	0.000961016

Appendix D.2-30: WES02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	6.9E-04	1.8E-08	6.1E-03	1.5E-02	3.7E-04	5.4E-07	2.3E-02	4.7E-06	2.5E-05	1.7E-06	4.2E-07	2.4E-07	5.7E-04	3.6E-09	1.8E-07	3.8E-06	2.8E-06	1.1E-03
Operations (2020-2043): Mean	5.9E-02	2.7E-05	4.2E+00	1.5E+01	1.2E-01	1.7E-03	1.8E+02	1.8E-02	6.1E-03	7.7E-05	2.2E-03	8.3E-04	4.7E-01	1.7E-06	7.2E-04	1.2E-03	2.2E-03	5.1E-03
Operations (2020-2043): Max	1.2E-01	3.7E-05	5.9E+00	2.1E+01	1.7E-01	0.00230	2.9E+02	2.6E-02	8.2E-03	4.2E-04	3.4E-03	1.2E-03	6.7E-01	1.9E-06	1.1E-03	1.7E-03	2.8E-03	7.4E-03
Active Closure (2044-2050): Min	1.8E-02	2.6E-06	1.1E+00	2.0E+00	1.1E-02	1.8E-04	1.1E+01	1.7E-03	4.5E-03	4.5E-05	1.8E-04	9.6E-05	6.1E-02	1.8E-06	6.4E-05	1.6E-04	9.4E-04	3.4E-04
Active Closure (2044-2050): Mean	2.3E-02	5.5E-06	1.5E+00	3.5E+00	2.5E-02	3.4E-04	2.7E+01	3.5E-03	4.7E-03	5.6E-05	4.3E-04	1.8E-04	1.1E-01	2.0E-06	1.4E-04	2.9E-04	1.1E-03	8.8E-04
Active Closure (2044-2050): Max	6.8E-02	2.7E-05	4.3E+00	1.5E+01	1.3E-01	1.6E-03	1.4E+02	1.8E-02	6.2E-03	1.4E-04	2.3E-03	8.4E-04	4.8E-01	2.0E-06	7.2E-04	1.3E-03	2.4E-03	4.9E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than ap																		
Model Predictions (2020-2050)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-30: WES02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-30: WES02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0.000691997	1.82104E-08	0.006082285	0.014714031	0.000373314	5.37208E-07	0.022854095	4.73471E-06	2.54946E-05	1.74092E-06	4.1884E-07	2.36736E-07	0.000566345	3.64209E-09	1.82104E-07	3.82419E-06	2.82262E-06	0
2036 Feb	0.003350803	8.8179E-08	0.029451795	0.071248651	0.00180767	2.60128E-06	0.110664673	2.29265E-05	0.000123451	8.42991E-06	2.02812E-06	1.14633E-06	0.002742368	1.76358E-08	8.8179E-07	1.85176E-05	1.36677E-05	0
2036 Mar	0.006349695	1.67097E-07	0.055810478	0.135014564	0.003425493	4.92937E-06	0.209707022	4.34453E-05	0.000233936	1.59745E-05	3.84324E-06	2.17226E-06	0.005196724	3.34194E-08	1.67097E-06	3.50904E-05	2.59001E-05	0
2036 Apr	0.029083246	5.72881E-06	1.071028352	3.660890579	0.039553735	0.000351191	44.49224472	0.00404772	0.001238407	7.13869E-05	0.000517991	0.00019127	0.120159931	3.08826E-07	0.000162585	0.000391219	0.000463646	0.001116329
2036 May	0.079851419	1.88726E-05	3.433018923	11.8648262	0.122297421	0.001162204	148.2794037	0.013432408	0.003625523	0.00021067	0.0017263	0.000636112	0.387332976	9.74318E-07	0.00053997	0.001213338	0.001517157	0.003734977
2036 Jun	0.0655609	2.62436E-05	4.027192593	13.6987505	0.119255163	0.001430398	182.4087524	0.016613198	0.006112859	0.000134432	0.002203823	0.000784137	0.443056375	1.78113E-06	0.000673407	0.001338198	0.002587939	0.004625168
2036 Jul	0.057098631	3.33706E-05	5.187321186	18.20334244	0.148027703	0.001965532	249.4985046	0.022428498	0.005750351	7.22278E-05	0.00289808	0.001056201	0.58430618	1.91473E-06	0.000908475	0.001463922	0.002663705	0.0063482
2036 Aug	0.047385879	3.70072E-05	5.896757603	21.0006218	0.170111105	0.002290592	290.3330383	0.025968049	0.004948405	5.5204E-05	0.003346288	0.001224169	0.672690511	1.85382E-06	0.001050728	0.001648129	0.00278836	0.007399571
2036 Sep	0.044184629	3.3625E-05	5.403605461	19.1718483	0.154118717	0.002170407	263.5333862	0.02356871	0.005185269	3.12911E-05	0.003023491	0.001109363	0.615085423	1.6946E-06	0.000962161	0.001517582	0.00251054	0.006709694
2036 Oct	0.066373706	2.32429E-05	3.532757998	11.59706211	0.090860926	0.001481628	150.2770081	0.013702872	0.00802486	2.52571E-05	0.001710715	0.000641286	0.378866225	1.81597E-06	0.000580675	0.000945647	0.001888828	0.003778197
2036 Nov	0.061003171	2.56809E-05	3.976861	13.41123772	0.105971016	0.001647459	177.4181824	0.016063256	0.007350289	2.63691E-05	0.002025158	0.000753028	0.435315698	1.77667E-06	0.000672295	0.001084449	0.002031822	0.004480996
2036 Dec	0.060187481	2.60191E-05	4.03889513	13.66636086	0.108099326	0.001670527	181.2489319	0.01639602	0.00724803	2.65144E-05	0.002069557	0.000768786	0.443243146	1.7699E-06	0.000685182	0.001103935	0.002051342	0.004580257
2037 Jan	0.060675628	2.59659E-05	4.032105923	13.63508034	0.108026177	0.001666536	180.6699066	0.016346803	0.007265694	2.77137E-05	0.002062999	0.000766474	0.442324042	1.7707E-06	0.000683207	0.001103401	0.00204879	0.004564988
2037 Feb	0.061241254	2.59388E-05	4.031046391	13.62582588	0.108201519	0.001664183	180.3805847	0.016323209	0.007277861	2.93521E-05	0.002059848	0.000765382	0.442110032	1.77118E-06	0.000682205	0.001105202	0.002047992	0.004557119
2037 Mar	0.061571226	2.59331E-05	4.03189373	13.62559986	0.108335353	0.001663489	180.2866516	0.016316118	0.007287066	3.02555E-05	0.002058859	0.000765058	0.442149699	1.77206E-06	0.000681901	0.001106575	0.002048281	0.00455444
2037 Apr	0.061809842	2.59513E-05	4.035703659	13.6367178	0.10850095	0.001664467	180.382019	0.016325552	0.00729832	3.07946E-05	0.002059996	0.000765504	0.442537248	1.77403E-06	0.00068229	0.00110827	0.002050136	0.004556675
2037 May	0.115431719	2.24961E-05	3.735948086	12.02056789	0.121056333	0.001299241	143.2272644	0.013268245	0.008220175	0.000346311	0.001688159	0.000638495	0.39828077	1.82508E-06	0.000548968	0.001284185	0.002090569	0.003566848
2037 Jun	0.116554588	2.5028E-05	4.233016491	14.03327465	0.143699452	0.00139824	171.9079437	0.015807627	0.007194352	0.000415106	0.002055105	0.000762422	0.461337566	1.77445E-06	0.000640842	0.001528693	0.002384053	0.00430979
2037 Jul	0.080955565	3.0426E-05	4.990528584	17.32396317	0.15632306	0.001803666	228.655838	0.020656994	0.005820628	0.000243978	0.002680768	0.000982342	0.560259223	1.74073E-06	0.00083548	0.00159754	0.002567878	0.005794772
2037 Aug	0.039562084	3.61939E-05	5.877557755	21.07170296	0.172255427	0.002303767	291.7521362	0.026042301	0.004087056	5.76135E-05	0.003358828	0.001229365	0.674730957	1.66038E-06	0.001053012	0.001672785	0.002690694	0.007440615
2037 Sep	0.044509158	3.29281E-05	5.28158474	18.66926003	0.150126547	0.002121908	256.1500854	0.022926407	0.005226015	3.111E-05	0.002937876	0.001079592	0.599582493	1.69824E-06	0.00093629	0.001476341	0.00246793	0.006518929
2037 Oct	0.058323469	2.68527E-05	4.190787315	14.28692532	0.113271639	0.001727129	190.5380249	0.017203843	0.007013627	2.69011E-05	0.002177185	0.000807041	0.462553471	1.75627E-06	0.000716512	0.001151332	0.002100201	0.004820808
2037 Nov	0.058578204	2.6751E-05	4.172139645	14.21029854	0.112630785	0.001720249	189.3856964	0.01710373	0.007045728	2.68534E-05	0.002163825	0.000802294	0.460171342	1.75832E-06	0.000712647	0.00114552	0.002094327	0.004790945
2037 Dec	0.058669552	2.67176E-05	4.165957928	14.184618	0.112416014	0.001717966	188.9979858	0.017070107	0.007057158	2.68403E-05	0.002159328	0.000800701	0.459374994	1.75919E-06	0.000711349	0.001143564	0.002092449	0.004780888
2038 Jan	0.058890209	2.66926E-05	4.162679195	14.16963387	0.112374462	0.001716096	188.7243347	0.017046819	0.007065474	2.73727E-05	0.002156225	0.000799607	0.458932906	1.75958E-06	0.000710416	0.001143245	0.002091235	0.004773679
2038 Feb	0.059143551	2.66797E-05	4.162070274	14.16497231	0.112448417	0.001714993	188.5874023	0.017035604	0.007070999	2.8104E-05	0.002154728	0.000799088	0.45882073	1.75978E-06	0.000709942	0.001144008	0.002090828	0.004769965
2038 Mar	0.059285291	2.66743E-05	4.161997795	14.16331387	0.112495728	0.001714499	188.5245209	0.017030552	0.00707445	2.85043E-05	0.002154047	0.000798854	0.458788157	1.76001E-06	0.000709728	0.001144496	0.002090737	0.004768238
2038 Apr	0.059415214	2.66935E-05	4.16542244	14.17416477	0.112616301	0.001715646	188.6457825	0.017041866	0.007082303	2.87555E-05	0.002155454	0.000799387	0.459151715	1.7616E-06	0.000710198	0.001145726	0.002092426	0.004771228
2038 May	0.078698866	2.57478E-05	4.110682487	13.79718304	0.118924469	0.001603734	178.1902466	0.016198222	0.007386718	0.000143468	0.002055461	0.000765838	0.449687481	1.78334E-06	0.000672314	0.001226052	0.00212704	0.004489949
2038 Jun	0.114758939	2.46873E-05	4.147686958	13.70314026	0.139411107	0.001380158	167.7388916	0.01543699	0.007315649	0.000396374	0.002004387	0.000743816	0.450715899	1.78602E-06	0.000627279	0.001487246	0.002355973	0.00420347
2038 Jul	0.098250374	2.78066E-05	4.512424469	15.20847797	0.142689288	0.001574307	194.5487823	0.01775185	0.007056162	0.000293513	0.002303343	0.00084721	0.495794356	1.884E-06	0.000720651	0.001494449	0.002516579	0.0049049
2038 Aug	0.038316879	3.56215E-05	5.770380497	20.63399887	0.167960808	0.002272049	285.6369019	0.025505221	0.004130187	4.71041E-05	0.003285153	0.001204008	0.661144733	1.66401E-06	0.001032065	0.001627362	0.002645873	0.007283085
2038 Sep	0.04705815	3.19677E-05	5.115467548	18.03271103	0.144572988	0.002068369	246.5630341	0.02208312	0.005583521	2.95545E-05	0.002826343	0.001038607	0.579380214	1.692E-06	0.000905145	0.001434064	0.002405009	0.006271039

Appendix D.2-30: WES02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2038 Oct	0.0619727	2.5317E-05	3.909609795	13.132514	0.103641093	0.001622601	173.2148285	0.015698591	0.00747174	2.62211E-05	0.001976414	0.000735753	0.426668406	1.78563E-06	0.000658213	0.00106322	0.002011218	0.004371991
2038 Nov	0.060974173	2.584E-05	4.003958225	13.51423073	0.106812902	0.001658041	178.8952637	0.016193429	0.007345898	2.64791E-05	0.002042186	0.000759169	0.438569307	1.78006E-06	0.000677484	0.0010925	0.002042579	0.004518934
2038 Dec	0.061271332	2.57049E-05	3.979361534	13.41376877	0.105976149	0.001648858	177.3923492	0.016062722	0.007383232	2.64173E-05	0.002024774	0.000752981	0.435443252	1.78222E-06	0.000672411	0.001084815	0.002034655	0.004480018
2039 Jan	0.061795224	2.56475E-05	3.972034454	13.38006401	0.105897158	0.001644552	176.7689362	0.016009722	0.007402067	2.77076E-05	0.002017713	0.000750492	0.434452504	1.78306E-06	0.000670282	0.001084236	0.00203189	0.00446358
2039 Feb	0.062401857	2.56179E-05	3.970860004	13.37006664	0.106086738	0.001641993	176.457428	0.015984297	0.007414691	2.94762E-05	0.002014323	0.000749316	0.434220552	1.78348E-06	0.000669201	0.001086179	0.002030987	0.00445511
2039 Mar	0.062755562	2.56115E-05	3.971732616	13.36971951	0.106230229	0.001641227	176.3551636	0.015976552	0.00742438	3.04494E-05	0.002013245	0.000748961	0.434259713	1.7844E-06	0.000668868	0.00108765	0.002031269	0.004452199
2039 Apr	0.063034073	2.56394E-05	3.977113962	13.38596249	0.106442556	0.001642809	176.5138397	0.01599179	0.007439026	3.10408E-05	0.002015108	0.00074968	0.434816033	1.78711E-06	0.0006695	0.001089824	0.002033928	0.004456018
2039 May	0.064449333	2.63653E-05	4.119861126	13.93023872	0.112162054	0.001685327	183.8776398	0.016644955	0.007340257	4.64172E-05	0.002102965	0.000781383	0.452165782	1.79092E-06	0.000694512	0.001146005	0.002091726	0.004644576
2039 Jun	0.060246233	2.38922E-05	3.528463125	11.79283428	0.099463806	0.001261601	157.0815887	0.01438264	0.006433291	8.26172E-05	0.001916195	0.000675741	0.38204968	1.79533E-06	0.000586372	0.001161708	0.002469425	0.003978943
2039 Jul	0.051707104	2.86527E-05	4.410405636	15.36484909	0.12600553	0.00164885	209.9380646	0.018933233	0.005366058	6.70152E-05	0.002470018	0.00089101	0.493735611	1.72694E-06	0.000767193	0.001306562	0.0024657	0.005340098
2039 Aug	0.05164377	2.85645E-05	4.422745705	15.26263905	0.123355217	0.001705324	207.4232178	0.018697863	0.00546519	5.14528E-05	0.002392798	0.000882149	0.492437154	1.76478E-06	0.000760366	0.00119745	0.002252835	0.005266098
2039 Sep	0.048127446	3.14726E-05	5.013344765	17.60491943	0.141185939	0.002018998	240.346344	0.021548016	0.005647128	3.15338E-05	0.002756236	0.001013798	0.566115856	1.71334E-06	0.000882921	0.001397436	0.002383413	0.006110515
2039 Oct	0.053205099	2.94006E-05	4.651499271	16.15630722	0.128823549	0.001899462	218.4128418	0.019630948	0.006367182	2.81906E-05	0.002500058	0.000921933	0.520801306	1.72505E-06	0.000810874	0.001294434	0.002252133	0.005542135
2039 Nov	0.05412576	2.9048E-05	4.586440563	15.88712978	0.126574233	0.001875386	214.3571472	0.019278998	0.00648254	2.80449E-05	0.002453031	0.000905261	0.512447238	1.73338E-06	0.000797276	0.001273921	0.002232082	0.005436978
2039 Dec	0.054335453	2.89631E-05	4.570850372	15.82290459	0.126038149	0.001869599	213.3917999	0.019195164	0.006508835	2.80086E-05	0.002441841	0.000901291	0.510452271	1.73516E-06	0.000794032	0.001269021	0.002227203	0.00541196
2040 Jan	0.054731879	2.89127E-05	4.563937664	15.79199028	0.125926599	0.001865881	212.8435364	0.019148348	0.00652468	2.8937E-05	0.002435607	0.000899089	0.509531856	1.73587E-06	0.000792163	0.001268101	0.00222467	0.005397551
2040 Feb	0.055186227	2.88869E-05	4.562321663	15.78155327	0.126039281	0.001863729	212.5686035	0.019125665	0.006535226	3.02295E-05	0.002432581	0.000898035	0.509265244	1.73627E-06	0.000791214	0.001269285	0.002223773	0.005390136
2040 Mar	0.055456173	2.88858E-05	4.563473225	15.78291702	0.126156062	0.001863393	212.5144043	0.019121896	0.006543822	3.09411E-05	0.002432026	0.000897864	0.5093472	1.73726E-06	0.000791052	0.001270488	0.002224275	0.005388521
2040 Apr	0.055679515	2.89233E-05	4.570137024	15.80451012	0.126387566	0.001865666	212.7647705	0.019145042	0.006557242	3.13778E-05	0.002434927	0.000898954	0.510065079	1.7401E-06	0.000792006	0.001272834	0.002227491	0.005394735
2040 May	0.076212846	2.75784E-05	4.443591595	15.12914181	0.130338281	0.001725822	197.7524261	0.017906714	0.006988629	0.000147731	0.002282444	0.000846817	0.49136585	1.77067E-06	0.000738787	0.001332039	0.002240699	0.004995197
2040 Jun	0.114263482	2.38153E-05	3.9597857	12.98667431	0.133727983	0.001283027	158.0930939	0.01460557	0.007309785	0.000395051	0.001911005	0.000704281	0.427735865	1.79515E-06	0.000592099	0.00145477	0.002382737	0.00395869
2040 Jul	0.068951398	3.10464E-05	5.019744396	17.56265068	0.153387561	0.001843939	235.5529785	0.021224717	0.005438915	0.000183027	0.00275935	0.001005813	0.56599164	1.72425E-06	0.000858044	0.001565098	0.002594421	0.005982251
2040 Aug	0.039258711	3.50546E-05	5.639853954	20.14043045	0.163158253	0.002214904	278.9141846	0.02491579	0.004261238	4.24941E-05	0.003207948	0.001175439	0.645210087	1.67965E-06	0.0010083	0.001576599	0.002606456	0.007111
2040 Sep	0.045036085	3.27957E-05	5.250578403	18.51754379	0.148757532	0.002110999	253.8278656	0.022729246	0.005315949	2.96059E-05	0.002910383	0.001070416	0.595046699	1.71729E-06	0.000928612	0.001461661	0.00246258	0.006458183
2040 Oct	0.05529955	2.84878E-05	4.480903149	15.4396534	0.122886427	0.001834202	207.6620483	0.018700168	0.00662723	2.77131E-05	0.002375406	0.00087816	0.498667955	1.7515E-06	0.000774425	0.00123744	0.002201303	0.005263369
2040 Nov	0.05621139	2.81151E-05	4.41298151	15.16217041	0.12056578	0.00180921	203.4936066	0.018337674	0.00674215	2.75534E-05	0.002327091	0.000860956	0.490029156	1.75793E-06	0.000760441	0.001216534	0.002179543	0.005155378
2040 Dec	0.056368858	2.80467E-05	4.400483608	15.11102676	0.120139323	0.001804561	202.7271729	0.018271038	0.006761934	2.75229E-05	0.00231821	0.0008578	0.488438249	1.75911E-06	0.000757859	0.001212633	0.002175546	0.005135527
2041 Jan	0.056689683	2.80084E-05	4.395358562	15.08784866	0.120065086	0.001801728	202.3097229	0.018235458	0.006774531	2.82823E-05	0.002313468	0.000856126	0.487751305	1.7597E-06	0.000756438	0.001212045	0.002173663	0.005124541
2041 Feb	0.05705522	2.79891E-05	4.394324303	15.08049107	0.120164759	0.001800096	202.1033478	0.018218506	0.006782891	2.93265E-05	0.002311205	0.00085534	0.487569422	1.76003E-06	0.000755726	0.001213086	0.002173037	0.005118956
2041 Mar	0.057269551	2.79862E-05	4.394952297	15.08057404	0.120251544	0.001799696	202.0458221	0.018214222	0.006789277	2.99026E-05	0.002310601	0.000855143	0.487602592	1.76068E-06	0.000755543	0.001213981	0.002173285	0.005117305
2041 Apr	0.057436194	2.80063E-05	4.398729801	15.09235477	0.120394543	0.001800869	202.1702728	0.018225951	0.006798198	3.0254E-05	0.002312054	0.000855697	0.48800087	1.76243E-06	0.000756027	0.001215435	0.002175117	0.005120345
2041 May	0.064102866	2.81407E-05	4.467545509	15.30872345	0.125851169	0.001791558	200.9024506	0.018366719	0.00681233	7.51515E-05	0.00233541	0.000864805	0.495642841	1.76709E-06	0.000759643	0.00127477	0.002219095	0.005149975
2041 Jun	0.062418398	2.32512E-05	3.416089058	11.32783699	0.096148342	0.00121235	134.0505524	0.013765613	0.006590565	8.88025E-05	0.001835896	0.000646918	0.36766997	1.80604E-06	0.000561874	0.00113359	0.002442453	0.003793678
2041 Jul	0.048096091	3.05554E-05	4.756344795	16.73382378	0.137490883	0.001788034	201.2433929	0.02069241	0.005091785	6.43496E-05	0.002709789	0.000973766	0.53664124	1.71858E-06	0.000837274	0.00143755	0.002630072	0.005858842
2041 Aug	0.038384832	3.62214E-05	5.834976196	20.8988266	0.169350743	0.002289457	253.6185913	0.025893254	0.004218603	4.14263E-05	0.003341299	0.001221146	0.668945968	1.69856E-06	0.001047271	0.001647512	0.002711369	0.007397031
2041 Sep	0.039848629	3.49462E-05	5.648640156	20.17336082	0.162539974	0.00226042	243.7674713	0.024886921	0.004667442	3.06703E-05	0.003199039	0.00117228	0.646333814	1.66377E-06	0.001012518	0.001590699	0.002585118	0.007103252
2041 Oct	0.055115622	2.85183E-05	4.490864754	15.49928474	0.123351723	0.001839542	182.5736694	0.018776266	0.006608875	2.77139E-05	0.002386143	0.000881492	0.500367403	1.73942E-06	0.000777685	0.001244016	0.002200321	0.005287619
2041 Nov	0.056801058	2.7835E-05	4.365445614	14.98314857	0.119042687	0.001793028	175.8053741	0.018102495	0.006820302	2.74227E-05	0.002296224	0.000849574	0.484330386	1.75347E-06	0.00075162	0.001204686	0.002160959	0.005086588
2041 Dec	0.057037838	2.77374E-05	4.347540855	14.90950298	0.118428171	0.001786375	174.840271	0.018006414	0.006849996	2.73808E-05	0.002283404	0.000845024	0.482042015	1.75543E-06	0.0007479	0.001199065	0.002155328	0.005057926
2042 Jan	0.057514768	2.76823E-05	4.340215683	14.87610722	0.118326679	0.001782273	174.3131866	0.017954856	0.006868675	2.85116E-05	0.002276529	0.0008426	0.481054813	1.75637E-06	0.00074584	0.001198269	0.002152656	0.005041981
2042 Feb	0.058054879	2.76532E-05	4.33862114	14.86501312	0.118473694	0.001779818	174.0458984	0.017929511	0.006880719	3.00625E-05	0.002273149	0.000841424	0.480779141	1.75681E-06	0.000744774	0.001199798	0.002151687	0.005033643
2042 Mar	0.05836419	2.76447E-05	4.33890152	14.86290932	0.118585043	0.001778954	173.9464874	0.017920461	0.006889095	3.09146E-05	0.002271911	0.000841007	0.480756342	1.75751E-06	0.00074439	0.001200947	0.002151729	0.005030437
2042 Apr	0.05870102	2.7716E-05	4.351007938	14.90263367	0.118974961	0.001783359	174.3688354	0.017964648	0.006912833	3.14849E-05	0.002277461	0.000843084	0.482067049	1.76275E-06	0.000746222	0.001204909	0.002157678	0.005042462
2042 May	0.079239331	2.69142E-05	4.328972816	14.64071369	0.126912057	0.001677389	163.1375732	0.017241541	0.007220503	0.00015503	0.002194198	0.000815714	0.476392031	1.78861E-06	0.000712777	0.001302297	0.002209095	0.004794075
2042 Jun	0.072693683	2.45159E-05	3.75867486	12.56233406	0.110868029	0.00133912	129.8271637	0.015014478	0.0066799	0.000150614	0.00197886	0.000709617	0.408425391	1.79532E-06	0.000612682	0.001246536	0.002428635	0.004145357
2042 Jul	0.059518036	2.60475E-05	3.954104185	13.4780817	0.113849826	0.001435104	139.8895874	0.016455187	0.006024246	9.54482E-05	0.002172556	0.000774787	0.435260028	1.7667E-06	0.000668521	0.001262474	0.002500126	0.004592106
2042 Aug	0.054988641	2.7326E-05	4.203077793	14.45095825	0.120282337	0.001566172	150.5327148	0.017686756	0.005682137	7.92608E-05	0.002311758	0.000833516	0.466185927	1.74561E-06	0.000718458	0.001277994	0.0024521	0.004961276
2042 Sep	0.053524356	2.76131E-05	4.264865875	14.67740536	0.121470563	0.001608217	152.8881226	0.017961606	0.00562793	7.14564E-05	0.002337966	0.000846701	0.473590463	1.74132E-06	0.000730333	0.001273096	0.002420859	0.005043621
2042 Oct	0.053291149	2.77652E-05	4.297995567	14.8094101	0.122217	0.001631057	154.2391052	0.018116703	0.005655802	6.83014E-05	0.002354408	0.000853776	0.477759212	1.73671E-06	0.000737433	0.001276469	0.002409181	0.005090328
2042 Nov	0.05334894	2.77706E-05	4.298669338	14.81046867	0.122216053	0.001631593	154.2387695	0.018116979	0.005663926	6.82534E-05	0.002354301	0.00085378	0.477803677	1.73785E-06	0.000737492	0.001276461	0.002409423	0.005090245
2042 Dec	0.053358439	2.77694E-05	4.298426628	14.80930996	0.122205615	0.001631525	154.224411	0.018115366	0.005665172	6.82497E-05	0.002354075	0.000853703	0.477768689	1.73799E-06	0.000737434	0.001276367	0.002409361	0.005089748
2043 Jan	0.053371668	2.77681E-05	4.298258781	14.80850792	0.122203246	0.001631437	154.2129517	0.018114084	0.005665795	6.82767E-05	0.002353898	0.000853642	0.477745324	1.73803E-06	0.000737384	0.001276346	0.002409281	0.005089349
2043 Feb	0.053386379	2.77675E-05	4.298235416	14.80827618	0.122207448	0.001631386	154.2073669	0.018113477	0.00566619	6.83163E-05	0.002353815	0.000853614	0.477740079	1.73805E-06	0.000737359	0.001276388	0.002409254	0.005089146
2043 Mar	0.053396203	2.7768E-05	4.298366547	14.8086462	0.122213855	0.001631412	154.2094727	0.018113753	0.005666595	6.83402E-05	0.002353848	0.000853627	0.477753222	1.73812E-06	0.00073737	0.001276454	0.002409319	0.005089206
2043 Apr	0.053442381	2.77895E-05	4.301708698	14.82011318	0.122310393	0.001632667	154.3278961	0.01812768	0.005671133	6.84058E-05	0.002355656	0.000854283	0.478123873	1.73948E-06	0.000737937	0.001277462	0.002411188	0.005093109
2043 May	0.05539858	2.77678E-05	4.30717659	14.81976318	0.123080373	0.001628725	153.7354584	0.018088615	0.005735209	7.82201E-05	0.002350518	0.000852939	0.478379995	1.74649E-06	0.000736283	0.001286283	0.002416092	0.005077974
2043 Jun	0.072214857	2.64058E-05	4.165102959	14.13132954	0.124804586	0.001510955	139.4030457	0.016890991	0.006183037	0.000168784	0.002199398	0.000800957	0.458701521	1.75832E-06	0.000686777	0.001322561	0.002396405	0.004698848
2043 Jul	0.070835732	2.68299E-05	4.226674557	14.38293362	0.126231179	0.001538114	141.0445862	0.017241709	0.006135301	0.000161748	0.002245568	0.000817042	0.466395646	1.76441E-06	0.000700755	0.001334904	0.002421123	0.004803862
2043 Aug	0.069571897	2.72891E-05	4.303222179	14.68168449	0.128171295	0.001574315	143.4160919	0.017634761	0.006077888	0.000155992	0.002294526	0.000835438	0.475767791	1.76869E-06	0.000716599	0.001348033	0.002436019	0.004920658
2043 Sep	0.068016954	2.76024E-05	4.357475281	14.90146542	0.129424438	0.001603403	145.0178986	0.017929493	0.006004363	0.000149303	0.002330527	0.000849164	0.482614189	1.76465E-06	0.000728596	0.00135463	0.002438546	0.005009633
2043 Oct	0.067741498	2.74811E-05	4.334522724	14.81210804	0.128219426	0.001602564	143.6783905	0.017817106	0.006063568	0.000144108	0.002313238	0.000843521	0.479783952	1.7645E-06	0.000724884	0.001341195	0.002418762	0.004977486
2043 Nov	0.067808196	2.72559E-05	4.293156147	14.64737129	0.126524702	0.001592505	141.7289124	0.017606054	0.006138223	0.000140375	0.002283534	0.000833304	0.474615663	1.76577E-06	0.000717131	0.001323916	0.002396401	0.004915695
2043 Dec	0.067816705	2.72534E-05	4.292682648	14.64532852	0.126505747	0.001592364	141.7063599	0.017603349	0.006139621	0.000140356	0.00228316	0.000833175	0.474552721	1.7659E-06	0.00071703	0.001323739	0.002396236	0.004914881
2044 Jan	0.067829251	2.72523E-05	4.292537689	14.64461517	0.126503721	0.001592288	141.6965942	0.017602192	0.006140243	0.000140378	0.002283001	0.00083312	0.474532008	1.76594E-06	0.000716985	0.001323721	0.00239617	0.00491452
2044 Feb	0.067846991	2.7253E-05	4.292724133	14.64510345	0.126514047	0.001592314	141.698349	0.017602459	0.006140928	0.000140423	0.00228303	0.000833133	0.474550068	1.76604E-06	0.000716996	0.001323827	0.00239626	0.004914561
2044 Mar	0.067862146	2.72556E-05	4.293176651	14.64656544	0.126529977	0.001592459	141.7108765	0.017604042	0.0061418	0.000140458	0.002283233	0.000833208	0.474598646	1.76624E-06	0.00071706	0.001323993	0.002396505	0.004914986
2044 Apr	0.067884989	2.72628E-05	4.294340611	14.65049076	0.12656574	0.001592878	141.7479706	0.017608663	0.006143591	0.000140508	0.002283831	0.000833427	0.474726528	1.76673E-06	0.000717248	0.001324366	0.00239715	0.004916266
2044 May	0.068108507	2.73139E-05	4.303008556	14.67946625	0.126858443	0.001595778	141.9782867	0.017641544	0.0061572	0.000141308	0.002288096	0.000835011	0.475676984	1.7702E-06	0.000718579	0.001327434	0.00240187	0.004925278
2044 Jun	0.057240006	2.10176E-05	3.443998575	11.3336134	0.097276993	0.001214462	105.1937332	0.013459924	0.005800551	0.000125738	0.001741647	0.000640291	0.365999848	1.81594E-06	0.000546515	0.00104194	0.002058027	0.003717604
2044 Jul	0.039413292	1.29296E-05	2.392469168	7.22508049	0.059351183	0.000757951	64.1985321	0.008330378	0.005200132	9.27783E-05	0.001059259	0.000401951	0.230417252	1.89332E-06	0.000335348	0.000653977	0.001562272	0.002243296
2044 Aug	0.029739821	8.49361E-06	1.835849047	5.009494305	0.038913965	0.000511622	42.52282333	0.005502554	0.004845573	7.08587E-05	0.000685331	0.000271946	0.15783073	1.93994E-06	0.000220026	0.000439778	0.001289455	0.001436774

Appendix D.2-30: WES02

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2044 Sep	0.025033565	6.64897E-06	1.626271844	4.123716831	0.030449836	0.000413432	33.56115341	0.004329616	0.004692528	5.85608E-05	0.000532849	0.000219022	0.12913467	1.9511E-06	0.00017307	0.00034733	0.001171785	0.001109884
2044 Oct	0.023579953	6.02494E-06	1.559173107	3.821987867	0.027529232	0.000380143	30.51813698	0.003927429	0.004686921	5.6516E-05	0.000480498	0.000200809	0.119336076	1.95506E-06	0.000156981	0.000316183	0.001132136	0.000997419
2044 Nov	0.023623012	6.03939E-06	1.560792565	3.828175545	0.027579201	0.000381062	30.56346321	0.003935104	0.004690618	5.64911E-05	0.000481453	0.000201153	0.119544424	1.95509E-06	0.000157319	0.000316689	0.001132808	0.000999576
2044 Dec	0.023624541	6.03955E-06	1.56081295	3.828210592	0.027579395	0.000381071	30.56357956	0.003935127	0.004690808	5.64915E-05	0.000481454	0.000201154	0.119545795	1.95512E-06	0.00015732	0.000316693	0.001132828	0.000999578
2045 Jan	0.023626108	6.03959E-06	1.560816765	3.828214407	0.027579892	0.000381072	30.5633831	0.003935107	0.004690876	5.64943E-05	0.000481451	0.000201153	0.119546212	1.95512E-06	0.00015732	0.000316698	0.001132829	0.000999569
2045 Feb	0.023627724	6.03961E-06	1.560825348	3.828234911	0.027580701	0.000381072	30.56331444	0.003935102	0.00469092	5.64984E-05	0.00048145	0.000201153	0.119547121	1.95512E-06	0.00015732	0.000316706	0.001132831	0.000999565
2045 Mar	0.023629438	6.03983E-06	1.560885072	3.828381538	0.027582118	0.000381085	30.56435394	0.003935239	0.00469111	5.65026E-05	0.000481466	0.00020116	0.119551837	1.95519E-06	0.000157325	0.000316722	0.001132873	0.000999598
2045 Apr	0.02363294	6.04061E-06	1.561085939	3.828873873	0.02758587	0.000381134	30.56821251	0.003935737	0.004691719	5.6511E-05	0.000481527	0.000201185	0.11956729	1.95544E-06	0.000157345	0.000316764	0.001133017	0.000999724
2045 May	0.023652593	6.04558E-06	1.562370181	3.832023621	0.027608652	0.000381447	30.59332657	0.003938971	0.004695582	5.65581E-05	0.000481922	0.000201351	0.119665682	1.95705E-06	0.000157474	0.000317026	0.001133949	0.001000545
2045 Jun	0.02387359	6.05586E-06	1.549533844	3.797009706	0.027360223	0.000377469	29.89800072	0.003912546	0.004709871	5.66017E-05	0.000479332	0.000199695	0.118527882	1.954E-06	0.000156277	0.000317764	0.001139903	0.000991221
2045 Jul	0.023043018	5.55008E-06	1.473264813	3.516374588	0.024868995	0.000346351	27.03035545	0.00358112	0.0046867 09	5.60237E-05	0.000434441	0.000183821	0.109156065	1.96079E-06	0.000142294	0.000294336	0.001111121	0.000892812
2045 Aug	0.021531684	4.85816E-06	1.386418819	3.176916599	0.021762528	0.000308475	23.7767067	0.003148897	0.00461744	5.23827E-05	0.000376827	0.000163963	0.097999074	1.97033E-06	0.00012459	0.000261297	0.001068218	0.000769153
2045 Sep	0.020234419	4.36795E-06	1.335420609	2.952178955	0.019601567	0.000283084	21.54262161	0.002841994	0.004572764	4.89339E-05	0.000337333	0.000150331	0.090763494	1.97375E-06	0.00011241	0.000236984	0.001037122	0.00068471
2045 Oct	0.019700129	4.14191E-06	1.313798189	2.847434044	0.018583225	0.000271125	20.5339222	0.002698475	0.004574148	4.8557E-05	0.00031883	0.000143921	0.087370642	1.97582E-06	0.000106677	0.000225948	0.001023258	0.000644907
2045 Nov	0.019703047	4.14243E-06	1.313942194	2.847739697	0.018585198	0.000271158	20.53604126	0.002698758	0.004574724	4.85621E-05	0.000318863	0.000143936	0.087380216	1.97604E-06	0.000106689	0.000225973	0.001023372	0.000644973
2045 Dec	0.019703917	4.14256E-06	1.313972473	2.847802162	0.018585591	0.000271166	20.53644371	0.002698813	0.004574871	4.85631E-05	0.000318869	0.000143939	0.087382227	1.97609E-06	0.000106691	0.000225978	0.001023397	0.000644984
2046 Jan	0.019704536	4.14259E-06	1.313979745	2.847817183	0.018585857	0.000271168	20.53648567	0.00269882	0.004574912	4.85642E-05	0.000318869	0.000143939	0.087382793	1.97609E-06	0.000106691	0.000225981	0.001023401	0.000644985
2046 Feb	0.019705184	4.14262E-06	1.313989162	2.847839117	0.018586233	0.000271169	20.53657341	0.002698833	0.004574949	4.85658E-05	0.000318871	0.00014394	0.087383568	1.9761E-06	0.000106692	0.000225985	0.001023407	0.000644987
2046 Mar	0.01970649	4.14283E-06	1.314057946	2.847989082	0.018587338	0.000271183	20.53761482	0.002698971	0.00457519	4.85691E-05	0.000318887	0.000143947	0.087388217	1.97621E-06	0.000106697	0.000225998	0.00102346	0.00064502
2046 Apr	0.019710984	4.14375E-06	1.314347267	2.848616362	0.018591503	0.000271242	20.54211617	0.002699563	0.004576199	4.85802E-05	0.000318957	0.000143979	0.087407492	1.97664E-06	0.000106721	0.000226048	0.001023685	0.000645161
2046 May	0.019750018	4.14994E-06	1.315754294	2.852400541	0.018628495	0.000271594	20.56472206	0.002703374	0.004580081	4.87211E-05	0.000319435	0.000144173	0.087530024	1.978E-06	0.000106873	0.000226458	0.001024634	0.00064613
2046 Jun	0.020283915	4.26827E-06	1.320639491	2.882643461	0.019018279	0.000274774	20.51659393	0.002751333	0.004599887	4.97653E-05	0.000326542	0.000146112	0.088575475	1.97315E-06	0.000108791	0.000232795	0.00103528	0.000658584
2046 Jul	0.020204293	4.20068E-06	1.302530885	2.830232143	0.01858261	0.000269115	19.74738503	0.002703162	0.004591624	5.00008E-05	0.000319709	0.00014348	0.086761579	1.97058E-06	0.000106568	0.000229714	0.001030997	0.00064303
2046 Aug	0.019543055	3.89543E-06	1.264273286	2.681925297	0.017226558	0.000252676	18.37379646	0.00251442	0.004558865	4.82824E-05	0.000294322	0.000134811	0.08187785	1.97606E-06	9.8822E-05	0.000215068	0.001011843	0.000588847
2046 Sep	0.018896272	3.67286E-06	1.242469788	2.582957983	0.016251698	0.000241797	17.37095833	0.002375624	0.004534595	4.63001E-05	0.000276518	0.000128724	0.078727558	1.97612E-06	9.34022E-05	0.000203516	0.000996297	0.000551314
2046 Oct	0.01866005	3.57695E-06	1.234303117	2.539283276	0.015804188	0.000237182	16.92288589	0.002313365	0.004540087	4.60912E-05	0.000268492	0.000125967	0.077334628	1.97578E-06	9.09907E-05	0.000198437	0.000989298	0.000534397
2046 Nov	0.018675625	3.58229E-06	1.234915853	2.5416255	0.015823442	0.000237518	16.93595123	0.002316271	0.004541364	4.6086E-05	0.000268857	0.000126098	0.077413224	1.97579E-06	9.11175E-05	0.000198633	0.000989557	0.000535215
2046 Dec	0.018676482	3.58241E-06	1.234943032	2.541678429	0.015823763	0.000237526	16.93626213	0.002316316	0.004541507	4.60869E-05	0.000268861	0.0001261	0.077414952	1.97584E-06	9.11196E-05	0.000198637	0.000989581	0.000535224
2047 Jan	0.018677121	3.58244E-06	1.234948754	2.541690826	0.015824024	0.000237527	16.93627739	0.00231632	0.004541545	4.60881E-05	0.000268861	0.0001261	0.077415437	1.97584E-06	9.11198E-05	0.00019864	0.000989584	0.000535224
2047 Feb	0.018677823	3.58247E-06	1.234959483	2.541714668	0.015824426	0.000237529	16.93636894	0.002316334	0.004541587	4.60899E-05	0.000268863	0.000126101	0.077416271	1.97585E-06	9.11203E-05	0.000198644	0.000989591	0.000535226
2047 Mar	0.018679731	3.58278E-06	1.235066056	2.541935205	0.015825938	0.000237549	16.93780136	0.002316531	0.004541981	4.60946E-05	0.000268886	0.000126112	0.077423051	1.97602E-06	9.11281E-05	0.000198663	0.000989675	0.000535271
2047 Apr	0.018681906	3.58317E-06	1.235198736	2.54220891	0.015827721	0.000237574	16.93960381	0.002316778	0.00454247	4.61E-05	0.000268914	0.000126125	0.077431418	1.97623E-06	9.11378E-05	0.000198685	0.000989781	0.000535328
2047 May	0.018858152	3.59831E-06	1.237654209	2.550093174	0.015952529	0.000238203	16.96680069	0.002324028	0.004549134	4.68375E-05	0.000269874	0.000126492	0.077710204	1.97685E-06	9.1433E-05	0.00020005	0.00099126	0.000537096
2047 Jun	0.019824997	3.68237E-06	1.24685204	2.588763237	0.016645713	0.000241203	16.97260666	0.002364749	0.004570096	5.11119E-05	0.000275272	0.000128397	0.07908465	1.97281E-06	9.30313E-05	0.000207861	0.000996931	0.00054703
2047 Jul	0.019610295	3.54852E-06	1.2272861	2.516556025	0.015989814	0.000233307	16.32951546	0.002281618	0.004569557	5.11907E-05	0.000263505	0.000124366	0.076619133	1.97831E-06	8.94359E-05	0.000201682	0.000989758	0.000521625
2047 Aug	0.01917012	3.3669E-06	1.204515457	2.428362608	0.015161571	0.000223575	15.54481125	0.002170335	0.004549615	4.98626E-05	0.000248498	0.000119249	0.073699728	1.98304E-06	8.48566E-05	0.000192799	0.000978936	0.000489622
2047 Sep	0.018697957	3.22468E-06	1.190947056	2.365694284	0.014521386	0.000216696	14.92799568	0.002082127	0.004532393	4.82788E-05	0.000237289	0.000115401	0.071706884	1.98313E-06	8.14314E-05	0.000185179	0.000969121	0.000466032
2047 Oct	0.018514017	3.16309E-06	1.185997486	2.338083267	0.014225519	0.000213791	14.64899921	0.002042586	0.004535609	4.80547E-05	0.000232248	0.000113658	0.070826784	1.98256E-06	7.99102E-05	0.000181796	0.000964511	0.000455456
2047 Nov	0.018530205	3.16885E-06	1.186607838	2.34054184	0.014245991	0.000214151	14.66064835	0.002045689	0.00453677	4.80458E-05	0.000232638	0.000113797	0.070909753	1.98246E-06	8.00461E-05	0.000182002	0.000964745	0.000456336
2047 Dec	0.0185309	3.16894E-06	1.186629415	2.340582371	0.014246229	0.000214156	14.66086864	0.002045722	0.004536886	4.80465E-05	0.000232641	0.000113798	0.070911065	1.9825E-06	8.00476E-05	0.000182005	0.000964763	0.000456343
2048 Jan	0.018531514	3.16898E-06	1.186640263	2.340604782	0.014246516	0.000214159	14.66095924	0.002045736	0.00453694	4.80477E-05	0.000232643	0.000113799	0.07091184	1.98252E-06	8.00482E-05	0.000182009	0.000964771	0.000456345
2048 Feb	0.018532235	3.16903E-06	1.186658025	2.340641737	0.014246952	0.000214161	14.66113949	0.002045762	0.004537009	4.80495E-05	0.000232646	0.000113801	0.070913047	1.98254E-06	8.00492E-05	0.000182014	0.000964784	0.00045635
2048 Mar	0.018532539	3.16904E-06	1.186662197	2.340651035	0.014247122	0.000214162	14.66117096	0.002045767	0.004537026	4.80503E-05	0.000232646	0.000113801	0.070913382	1.98255E-06	8.00494E-05	0.000182015	0.000964787	0.000456351
2048 Apr	0.018536106	3.16962E-06	1.186852455	2.341064692	0.014250194	0.0002142	14.66355515	0.002046145	0.004537687	4.80594E-05	0.00023269	0.000113821	0.070926189	1.98282E-06	8.00643E-05	0.000182051	0.000964931	0.000456439
2048 May	0.018547948	3.17161E-06	1.187589288	2.342535257	0.01425942	0.000214334	14.6726656	0.002047436	0.004540476	4.80902E-05	0.000232838	0.000113893	0.070970878	1.98404E-06	8.01148E-05	0.000182168	0.000965525	0.000456729
2048 Jun	0.018760346	3.23009E-06	1.188899755	2.355199814	0.014414483	0.00021582	14.62865639	0.002070235	0.004547335	4.8297E-05	0.00023627	0.000114774	0.071410999	1.98044E-06	8.10304E-05	0.000184962	0.000970377	0.000462737
2048 Jul	0.018806621	3.21044E-06	1.180109382	2.330775023	0.014224319	0.000213274	14.29461098	0.002049654	0.004548843	4.85305E-05	0.000233365	0.000113577	0.070572324	1.97931E-06	8.00618E-05	0.000184027	0.000969718	0.00045567
2048 Aug	0.018525597	3.09759E-06	1.165619612	2.275965214	0.013710077	0.000207327	13.79794693	0.001980905	0.004533531	4.76037E-05	0.000223998	0.000110412	0.068759225	1.98191E-06	7.72301E-05	0.000178333	0.000962428	0.000435896
2048 Sep	0.018179843	2.98644E-06	1.155230045	2.227298975	0.013219913	0.000201928	13.35435677	0.00191182	0.004521344	4.64792E-05	0.000215212	0.000107406	0.067213282	1.98237E-06	7.45454E-05	0.000172498	0.000954942	0.000417356
2048 Oct	0.018038791	2.9371E-06	1.151284337	2.205339909	0.012988781	0.000199584	13.14869595	0.001880252	0.004523603	4.63481E-05	0.000211191	0.000106016	0.066514291	1.98182E-06	7.33283E-05	0.000169844	0.000951235	0.000408907
2048 Nov	0.018056562	2.94066E-06	1.151574969	2.206425667	0.012997706	0.0001998	13.15219975	0.001881552	0.004525139	4.63416E-05	0.000211343	0.000106071	0.066553593	1.98181E-06	7.3392E-05	0.000169942	0.000951377	0.000409252
2048 Dec	0.018057181	2.94074E-06	1.151594281	2.206461191	0.01299791	0.000199805	13.15238476	0.00188158	0.004525244	4.63423E-05	0.000211346	0.000106073	0.066554748	1.98185E-06	7.33933E-05	0.000169945	0.000951394	0.000409258
2049 Jan	0.018057657	2.94077E-06	1.151599884	2.206472874	0.012998114	0.000199806	13.15241432	0.001881586	0.004525277	4.63432E-05	0.000211346	0.000106073	0.06655518	1.98185E-06	7.33936E-05	0.000169948	0.000951398	0.000409258
2049 Feb	0.018058129	2.94078E-06	1.151605248	2.206485271	0.012998372	0.000199806	13.15244484	0.001881591	0.004525299	4.63444E-05	0.000211347	0.000106073	0.066555627	1.98186E-06	7.33938E-05	0.00016995	0.000951401	0.000409259
2049 Mar	0.018058892	2.94088E-06	1.151640654	2.206553936	0.012998878	0.000199812	13.15283203	0.001881647	0.004525438	4.63463E-05	0.000211353	0.000106076	0.066557743	1.98192E-06	7.3396E-05	0.000169957	0.000951429	0.00040927
2049 Apr	0.018061785	2.94133E-06	1.15181756	2.206893444	0.013000935	0.000199843	13.15484333	0.001881935	0.004526134	4.63537E-05	0.000211385	0.000106093	0.06656801	1.98222E-06	7.34072E-05	0.000169983	0.000951575	0.000409333
2049 May	0.018081449	2.94427E-06	1.152703762	2.208873749	0.013016994	0.000200022	13.16492844	0.001883755	0.004529212	4.64177E-05	0.000211602	0.00010619	0.066630162	1.98346E-06	7.34792E-05	0.000170173	0.000952252	0.000409762
2049 Jun	0.01831229	2.98202E-06	1.151508927	2.21108532	0.013099854	0.000200324	13.08478928	0.001891781	0.004533861	4.67927E-05	0.000213078	0.000106407	0.066745006	1.97958E-06	7.38064E-05	0.000172139	0.000955555	0.000411513
2049 Jul	0.018308487	2.94889E-06	1.143082261	2.185549736	0.012892238	0.000197621	12.81287861	0.001867009	0.004534946	4.70024E-05	0.000209524	0.000105083	0.065869935	1.97911E-06	7.26837E-05	0.000170604	0.00095352	0.000403491
2049 Aug	0.018097928	2.85329E-06	1.132027626	2.140861511	0.012470413	0.000192593	12.44634819	0.001809576	0.004527836	4.63804E-05	0.000201685	0.000102466	0.064379804	1.98396E-06	7.03064E-05	0.000166058	0.000948596	0.000386785
2049 Sep	0.01783173	2.76869E-06	1.124363422	2.10447073	0.012101721	0.000188577	12.12151814	0.00175725	0.004518266	4.54923E-05	0.000195045	0.000100201	0.063228212	1.98413E-06	6.82862E-05	0.000161605	0.000942751	0.000372833
2049 Oct	0.017727077	2.7307E-06	1.121384621	2.087465525	0.011922172	0.000186803	11.9667902	0.001732537	0.004520702	4.54009E-05	0.000191897	9.91144E-05	0.062690474	1.98355E-06	6.73414E-05	0.000159524	0.000939776	0.000366239
2049 Nov	0.017735576	2.73268E-06	1.121596217	2.0881989	0.011928055	0.000186925	11.96923256	0.001733405	0.004521516	4.53996E-05	0.000192002	9.9153E-05	0.062715806	1.98361E-06	6.73813E-05	0.000159588	0.000939886	0.000366473
2049 Dec	0.017736174	2.73275E-06	1.121618629	2.088239908	0.011928285	0.00018693	11.96944809	0.001733437	0.004521628	4.54004E-05	0.000192005	9.91548E-05	0.062717102	1.98365E-06	6.73827E-05	0.000159591	0.000939906	0.000366479
2050 Jan	0.017736597	2.73278E-06	1.121626377	2.088255167	0.011928478	0.000186931	11.96950722	0.001733447	0.004521667	4.54012E-05	0.000192006	9.91553E-05	0.062717624	1.98366E-06	6.73831E-05	0.000159593	0.000939912	0.000366481
2050 Feb	0.017736964	2.73279E-06	1.121630788	2.088264942	0.011928678	0.000186932	11.96953297	0.001733451	0.004521686	4.54022E-05	0.000192006	9.91555E-05	0.062717989	1.98366E-06	6.73833E-05	0.000159595	0.000939914	0.000366481
2050 Mar	0.017737241	2.73281E-06	1.12163806	2.088279724	0.011928841	0.000186933	11.96959972	0.001733462	0.004521716	4.54029E-05	0.000192008	9.91561E-05	0.062718466	1.98368E-06	6.73837E-05	0.000159597	0.00093992	0.000366483
2050 Apr	0.017739307	2.73312E-06	1.121762872	2.088512421	0.011930216	0.000186954	11.97092533	0.001733654	0.004522219	4.54081E-05	0.000192029	9.91671E-05	0.062725469	1.9839E-06	6.73912E-05	0.000159616	0.000940024	0.000366523
2050 May	0.017753134	2.73479E-06	1.122379661	2.089709282	0.011939032	0.000187057	11.97723389	0.00173463	0.004524703	4.54513E-05	0.000192139	9.92227E-05	0.062762417	1.98492E-06	6.74294E-05	0.000159728	0.000940534	0.000366728
2050 Jun	0.01800083	2.75159E-06	1.120502353	2.086346626	0.011991017	0.000186597	11.89305878	0.00173237	0.004532321	4.61773E-05	0.000192083	9.90251E-05	0.062695369	1.98258E-06	6.73324E-05	0.000161062	0.000942394	0.000365449
2050 Jul	0.018002467	2.7204E-06	1.11223495	2.061699867	0.011795642	0.000184026	11.6634388	0.001708087	0.004529684	4.63542E-05	0.000188652	9.77353E-05	0.061863538	1.98096E-06	6.62524E-05	0.000159536	0.000939963	0.000357743
2050 Aug	0.017858189	2.6527E-06	1.104100466	2.029573917	0.011493933	0.000180426	11.40741825	0.001667428	0.004524478	4.59429E-05	0.000183053	9.58686E-05	0.060788281	1.98435E-06	6.45587E-05	0.000156285	0.000936348	0.000345841
2050 Sep	0.017838443	2.64474E-06	1.103149295	2.025428534	0.011451369	0.000180101	11.36224937	0.00166114	0.004523156	4.56849E-05	0.000182237	9.56002E-05	0.060666807	1.98454E-06	6.43346E-05	0.000155712	0.000935711	0.000344161
2050 Oct	0.017853472	2.6473E-06	1.10362947	2.026551723	0.011458958	0.000180262	11.36678314	0.001662234	0.004525405	4.5696E-05	0.000182359	9.5654E-05	0.060703862	1.98517E-06	6.43839E-05	0.000155806	0.000936074	0.000344418
2050 Nov	0.017856479	2.64775E-06	1.103800893	2.02686882	0.011460764	0.000180291	11.36852932	0.001662495	0.004526125	4.5703E-05	0.000182388	9.56689E-05	0.06071344	1.98547E-06	6.43942E-05	0.000155831	0.000936219	0.000344472
2050 Dec	0.017856957	2.64781E-06	1.103822231	2.026907682	0.011460982	0.000180296	11.36873531	0.001662526	0.004526225	4.57038E-05	0.000182391	9.56706E-05	0.060714636	1.98551E-06	6.43955E-05	0.000155834	0.000936237	0.000344478

Appendix D.2-31: WES03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	2312	6.6	19	0.34	1183	0.34	308	4.2E-04	4.2E-04	1.4E-05	8.7E-03	2.7E-02	4.8E-01	3.5E-02	1.2E-05	8.1E+01	6.9E-05	2.0E-03	3.2E-04	3.9E-03
Operations (2020-2043): Mean	2834	8.1	24	0.42	1476	0.40	385	4.9E-04	4.9E-04	1.5E-05	1.2E-02	3.3E-02	5.8E-01	4.0E-02	1.4E-05	9.7E+01	9.2E-05	2.4E-03	5.6E-04	5.6E-03
Operations (2020-2043): Max	3642	11.3	35.0	0.59	1890	0.50	457	6.4E-04	6.4E-04	2.0E-05	1.4E-02	4.7E-02	7.1E-01	5.6E-02	1.8E-05	1.2E+02	1.1E-04	3.4E-03	6.4E-04	6.5E-03
Active Closure (2044-2050): Min	143	0.29	0.80	0.016	65	0.045	24	5.2E-04	5.2E-04	5.4E-06	3.6E-03	1.6E-03	3.5E-02	9.0E-03	5.3E-06	1.2E+01	1.1E-05	1.5E-04	1.2E-04	1.1E-03
Active Closure (2044-2050): Mean	430	1.1	3.2	0.058	212	0.085	67	9.0E-04	9.0E-04	6.5E-06	4.7E-03	5.0E-03	9.8E-02	1.2E-02	6.2E-06	2.2E+01	2.1E-05	3.9E-04	1.8E-04	1.6E-03
Active Closure (2044-2050): Max	2403	6.9	20	0.36	1220	0.36	347	9.6E-04	9.6E-04	1.4E-05	1.2E-02	2.9E-02	5.2E-01	3.7E-02	1.3E-05	8.9E+01	8.5E-05	2.1E-03	5.3E-04	5.2E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2050)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-31: WES03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-31: WES03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	2498.787354	7.967354774	24.75883102	0.419624865	1291.140259	0.347006381	307.5529175	0.000454809	0.000454809	1.38419E-05	0.008661086	0.032857418	0.4809075	0.039516583	1.28508E-05	80.60353088	6.86487E-05	0.00240924	0.000321888	0.003949634
2037 Jun	3587.546631	11.31305027	34.96057892	0.594921112	1856.799438	0.497828573	445.094696	0.000639647	0.000639647	1.97585E-05	0.012647651	0.046548475	0.693319499	0.055917136	1.82827E-05	116.1129532	9.99616E-05	0.003407153	0.000482918	0.005794378
2037 Jul	3641.820068	11.28816032	34.5762291	0.592170715	1889.704834	0.504777551	457.3389893	0.000628551	0.000628551	1.98791E-05	0.013170596	0.046278086	0.708285689	0.055489272	1.82985E-05	118.4761047	0.000103658	0.00337793	0.000522603	0.006075003
2037 Aug	3508.616455	10.65966892	32.30710983	0.557587266	1825.883423	0.485674322	446.6725769	0.000582715	0.000582715	1.89559E-05	0.013053601	0.043513488	0.687304258	0.052058682	1.73424E-05	114.8098831	0.000102269	0.003165544	0.000539101	0.006065042
2037 Sep	3362.556885	10.02162743	30.05708885	0.522729516	1754.646484	0.464879185	433.5398865	0.00053787	0.00053787	1.79901E-05	0.012838854	0.040736161	0.663130224	0.048629086	1.6362E-05	110.6316681	0.000100176	0.002953717	0.00054875	0.00600381
2037 Oct	3195.674561	9.363919258	27.81842422	0.487175882	1671.502686	0.441331148	416.5308228	0.000494186	0.000494186	1.69514E-05	0.012472892	0.037917323	0.633881629	0.045173805	1.53367E-05	105.6371841	9.69909E-05	0.002741065	0.000547999	0.005863672
2037 Nov	3192.982178	9.341551781	27.72754288	0.48589763	1670.449951	0.4409163	416.586853	0.000492236	0.000492236	1.6924E-05	0.012486873	0.037813403	0.633678198	0.045041673	1.53045E-05	105.5929718	9.70705E-05	0.002732791	0.000549928	0.005872982
2037 Dec	3195.001709	9.347273827	27.74420929	0.486193746	1671.511108	0.441194594	416.8555298	0.000492527	0.000492527	1.69345E-05	0.012495086	0.037836391	0.634083211	0.045068949	1.53139E-05	105.6603317	9.7134E-05	0.002734443	0.000550307	0.00587688
2038 Jan	3195.169678	9.347765923	27.74566841	0.486219287	1671.598877	0.44121781	416.8774719	0.000492553	0.000492553	1.69354E-05	0.012495743	0.037838381	0.63411659	0.045071315	1.53147E-05	105.6658936	9.71391E-05	0.002734587	0.000550336	0.005877188
2038 Feb	3195.277832	9.348082542	27.74661064	0.486235797	1671.65564	0.441232771	416.8916321	0.00049257	0.00049257	1.6936E-05	0.012496167	0.037839666	0.634138107	0.045072846	1.53152E-05	105.6694794	9.71424E-05	0.002734679	0.000550354	0.005877388
2038 Mar	3196.064453	9.350382805	27.75343704	0.486355484	1672.067017	0.44134137	416.9942017	0.000492691	0.000492691	1.69401E-05	0.012499242	0.037848979	0.634294152	0.04508394	1.5319E-05	105.6954803	9.71663E-05	0.002735352	0.00055049	0.005878835
2038 Apr	3206.29248	9.380306244	27.84225464	0.48791191	1677.417969	0.442753792	418.3287048	0.000494268	0.000494268	1.69943E-05	0.012539242	0.0379701	0.636324048	0.045228217	1.5368E-05	106.0337296	9.74772E-05	0.002744106	0.000552251	0.005897648
2038 May	3231.009277	9.395632744	27.79142189	0.488257438	1691.748779	0.445997596	423.155426	0.00049204	0.00049204	1.70735E-05	0.012732299	0.037979513	0.642530918	0.045206606	1.54107E-05	107.0274506	9.88636E-05	0.002741782	0.000565921	0.005999204
2038 Jun	3127.255127	8.807172775	25.56315804	0.455390632	1644.466919	0.430824012	417.6278687	0.000445856	0.000445856	1.62644E-05	0.012808496	0.035334356	0.628447473	0.04189172	1.45344E-05	104.4778442	9.88837E-05	0.002535597	0.00059511	0.006088815
2038 Jul	3326.005371	9.298952103	26.87123871	0.480259448	1750.648926	0.458002865	446.0802002	0.000466991	0.000466991	1.72363E-05	0.01373748	0.037242174	0.669940054	0.044112567	1.53677E-05	111.3281174	0.000105925	0.002668748	0.000644155	0.006542675
2038 Aug	3105.21167	8.656041145	24.96811485	0.446842849	1635.062866	0.427522689	417.1874695	0.000433277	0.000433277	1.60688E-05	0.01286885	0.034642573	0.626051605	0.041017797	1.43135E-05	104.0169449	9.91788E-05	0.002481034	0.000605624	0.006133553
2038 Sep	3028.94043	8.440550804	24.34143448	0.435694814	1594.972534	0.417013198	407.0212402	0.00042233	0.00042233	1.56715E-05	0.012557629	0.033777364	0.610740066	0.039991602	1.39581E-05	101.4709473	9.67748E-05	0.002418909	0.000591223	0.005985731

Appendix D.2-31: WES03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2038 Oct	3022.707764	8.423377991	24.29226112	0.434810072	1591.685669	0.416155666	406.1781921	0.000421481	0.000421481	1.56394E-05	0.012531457	0.033708833	0.609478831	0.039910588	1.39296E-05	101.2615433	9.65735E-05	0.002414012	0.000589974	0.005973221
2038 Nov	3032.502197	8.450907707	24.37207222	0.436233103	1596.837402	0.417504847	407.4877319	0.000422872	0.000422872	1.56903E-05	0.012571664	0.033819232	0.611448288	0.040041443	1.39751E-05	101.5889282	9.68838E-05	0.002421931	0.000591847	0.005992344
2038 Dec	3033.590576	8.453941345	24.38081932	0.436389685	1597.410522	0.417654693	407.6339722	0.000423024	0.000423024	1.56959E-05	0.012576175	0.033831373	0.611667812	0.040055811	1.39801E-05	101.6253891	9.69186E-05	0.002422801	0.00059206	0.005994495
2039 Jan	3033.741699	8.454362869	24.38203621	0.43641144	1597.490234	0.417675495	407.6542969	0.000423045	0.000423045	1.56967E-05	0.012576802	0.03383306	0.611698329	0.040057812	1.39808E-05	101.630455	9.69234E-05	0.002422922	0.000592089	0.005994793
2039 Feb	3033.802246	8.45453167	24.38252258	0.436420113	1597.521973	0.41768384	407.6624146	0.000423053	0.000423053	1.5697E-05	0.012577053	0.033833735	0.611710489	0.040058605	1.3981E-05	101.6324844	9.69253E-05	0.00242297	0.000592101	0.005994913
2039 Mar	3036.927002	8.46323967	24.40763664	0.436869651	1599.16748	0.418114036	408.0823059	0.000423489	0.000423489	1.57132E-05	0.012590007	0.033868581	0.612340569	0.04009987	1.39954E-05	101.7371674	9.70251E-05	0.002425465	0.000592711	0.006001087
2039 Apr	3048.722168	8.496109962	24.50243378	0.438566417	1605.37854	0.419737965	409.6672668	0.000425134	0.000425134	1.57742E-05	0.012638906	0.034000125	0.614718854	0.040255614	1.40498E-05	102.132309	9.7402E-05	0.002434886	0.000595013	0.006024396
2039 May	3103.464844	8.649015427	24.94402885	0.446462274	1634.195923	0.427275777	417.0133362	0.000432805	0.000432805	1.60578E-05	0.012865256	0.034612373	0.625748634	0.040980719	1.43025E-05	103.9650955	9.9147E-05	0.002478751	0.000605639	0.006132224
2039 Jun	3034.486328	8.461068153	24.40959167	0.436796099	1597.768555	0.417791784	407.6241455	0.000423639	0.000423639	1.57048E-05	0.012572056	0.033864383	0.611742675	0.040097728	1.39904E-05	101.6410751	9.68956E-05	0.002425424	0.000591469	0.005991706
2039 Jul	3070.130371	8.56632328	24.7236557	0.442278653	1616.39209	0.422716707	412.2472534	0.000429238	0.000429238	1.58946E-05	0.012709802	0.034291346	0.618794322	0.040606868	1.41625E-05	102.8168106	9.79684E-05	0.002456332	0.000597448	0.006056309
2039 Aug	3168.494141	8.8337183	25.48288155	0.456025541	1668.353149	0.436239153	425.653717	0.000442242	0.000442242	1.63974E-05	0.013128956	0.035354897	0.63878113	0.041861985	1.46069E-05	106.1328125	0.000101186	0.002532121	0.000617756	0.006257298
2039 Sep	3067.542236	8.547977448	24.65098572	0.44123894	1615.302979	0.42232731	412.2124634	0.000427697	0.000427697	1.58711E-05	0.012717907	0.034207128	0.618526757	0.040500347	1.41358E-05	102.7645721	9.80097E-05	0.002449678	0.000598782	0.006062156
2039 Oct	3025.150635	8.430368423	24.31274223	0.435172379	1592.967651	0.416492552	406.5013428	0.000421841	0.000421841	1.56522E-05	0.012541276	0.033736985	0.609967291	0.039944027	1.39411E-05	101.3428192	9.66495E-05	0.002416038	0.000590421	0.005977869
2039 Nov	3036.888184	8.463094711	24.40715599	0.436861873	1599.147949	0.418108582	408.0780945	0.00042348	0.00042348	1.5713E-05	0.012589907	0.03386797	0.612333536	0.040099118	1.39952E-05	101.7359695	9.70243E-05	0.00242542	0.000592709	0.006001046
2039 Dec	3039.028076	8.46905899	24.42435455	0.437169701	1600.27478	0.418403208	408.3656616	0.000423778	0.000423778	1.5724E-05	0.012598779	0.033891838	0.612765014	0.040127378	1.40051E-05	101.8076706	9.70927E-05	0.002427129	0.000593127	0.006005275
2040 Jan	3039.020264	8.469035149	24.42428207	0.437168449	1600.270386	0.418402135	408.3645325	0.000423783	0.000423783	1.5724E-05	0.01259878	0.033891756	0.612763286	0.040127721	1.40051E-05	101.8077393	9.70925E-05	0.002427126	0.000593133	0.00600527
2040 Feb	3039.100586	8.469251633	24.42490196	0.437179536	1600.311646	0.418413192	408.3751831	0.000423819	0.000423819	1.57246E-05	0.012599243	0.03389268	0.612778962	0.040130518	1.40055E-05	101.8117218	9.70955E-05	0.002427205	0.000593177	0.006005468
2040 Mar	3042.526855	8.478792191	24.45240784	0.43767184	1602.114746	0.418884903	408.8353882	0.000424324	0.000424324	1.57424E-05	0.012613596	0.033930924	0.613469183	0.040177748	1.40215E-05	101.9279861	9.72054E-05	0.002429958	0.000593879	0.006012284
2040 Apr	3054.618652	8.512481689	24.54955864	0.439410776	1608.480957	0.420549661	410.4599915	0.000426034	0.000426034	1.58051E-05	0.012663851	0.034065802	0.615906656	0.040339101	1.40773E-05	102.3343201	9.7592E-05	0.002439629	0.000596267	0.006036217
2040 May	3041.346924	8.473232269	24.43536568	0.437344193	1600.915771	0.418884188	408.5348511	0.000444741	0.000444741	1.58314E-05	0.01273651	0.033942323	0.612996519	0.041013561	1.41128E-05	102.5175018	9.75311E-05	0.002437455	0.000606496	0.006030677
2040 Jun	2838.040283	7.910264492	22.82942581	0.40837419	1492.279541	0.392012298	380.6049194	0.000498013	0.000498013	1.51752E-05	0.012445747	0.031780716	0.571731091	0.039791182	1.3579E-05	96.73849487	9.25726E-05	0.002297613	0.000581549	0.005668818
2040 Jul	2965.401367	8.258142471	23.81726646	0.426333249	1560.40332	0.409871608	398.2071228	0.000496665	0.000496665	1.57459E-05	0.012848163	0.033124462	0.598047793	0.040175907	1.40711E-05	100.1177673	9.61713E-05	0.002382018	0.000587396	0.005908205
2040 Aug	2971.103027	8.275644302	23.86228561	0.427159905	1563.997559	0.410602719	399.165802	0.000458963	0.000458963	1.55877E-05	0.012557258	0.033160172	0.599202633	0.039848916	1.3908E-05	100.0413513	9.51609E-05	0.002378517	0.000584158	0.005903604
2040 Sep	2856.644287	7.956620216	22.9317131	0.410524875	1503.422485	0.395685166	383.7554016	0.000461271	0.000461271	1.50812E-05	0.012273951	0.031890072	0.576184928	0.038692273	1.34669E-05	96.54961395	9.1789E-05	0.002291385	0.000564266	0.005694834
2040 Oct	2752.987549	7.66959095	22.09197426	0.395483553	1448.28064	0.382742107	369.7225647	0.000481351	0.000481351	1.47098E-05	0.01218809	0.030761173	0.555229962	0.037951957	1.31559E-05	93.59392548	8.91286E-05	0.00221481	0.000548505	0.005523409
2040 Nov	2751.299561	7.665198803	22.07845497	0.395236135	1447.319336	0.382678777	369.4770813	0.000485539	0.000485539	1.47223E-05	0.01221928	0.030746713	0.554884076	0.038006917	1.31696E-05	93.59994507	8.91371E-05	0.002214329	0.000548663	0.005523769
2040 Dec	2749.983154	7.661503792	22.06752205	0.395041257	1446.614258	0.382529944	369.2987366	0.000486203	0.000486203	1.47195E-05	0.012220917	0.030732488	0.554619789	0.038003653	1.31676E-05	93.56796265	8.91065E-05	0.002213413	0.000548509	0.005521929
2041 Jan	2748.858398	7.658303738	22.05813408	0.394873559	1446.01001	0.38238591	369.1456909	0.000486531	0.000486531	1.47159E-05	0.012219721	0.030720344	0.554388821	0.038008191	1.31647E-05	93.54528809	8.90777E-05	0.002212682	0.000548567	0.005520296
2041 Feb	2748.429932	7.657032967	22.05438042	0.394806445	1445.773438	0.382326305	369.0862427	0.000486731	0.000486731	1.47148E-05	0.012219302	0.030715892	0.554296136	0.03802219	1.31639E-05	93.54557037	8.90681E-05	0.002212502	0.000548813	0.005519891
2041 Mar	2750.604248	7.663047791	22.07165337	0.395115703	1446.911133	0.382628739	369.3771362	0.000487266	0.000487266	1.47271E-05	0.012229779	0.030740371	0.55473125	0.038063131	1.31749E-05	93.62767029	8.91409E-05	0.002214342	0.000549427	0.005524506
2041 Apr	2758.767578	7.685766697	22.13706017	0.396286637	1451.201904	0.383764297	370.4727783	0.000488798	0.000488798	1.47712E-05	0.012266539	0.03083171	0.556375623	0.038182303	1.32144E-05	93.91017151	8.94068E-05	0.002220965	0.000551161	0.005541044
2041 May	2773.395996	7.732391357	22.29903793	0.398824781	1456.881958	0.386695981	373.4564514	0.000496624	0.000496624	1.49095E-05	0.012374887	0.031097529	0.560808897	0.038874585	1.33407E-05	94.94514465	9.0257E-05	0.002243135	0.000562499	0.005591595
2041 Jun	2372.268799	6.66220665	19.44475937	0.345037937	1230.633667	0.339767277	327.7505493	0.000532789	0.000532789	1.3579E-05	0.011526936	0.027397828	0.493214458	0.034630924	1.22037E-05	83.71018219	8.19833E-05	0.001989797	0.000496936	0.004932031
2041 Jul	2760.735596	7.765771389	22.70619392	0.40241456	1430.55896	0.398253262	384.024231	0.000541696	0.000541696	1.54919E-05	0.012583998	0.032005463	0.57681483	0.039631441	1.38777E-05	97.16880035	9.2329E-05	0.002297961	0.000571245	0.005757202
2041 Aug	2866.74292	8.065338135	23.57087898	0.417785436	1486.271973	0.411597669	399.084198	0.000488882	0.000488882	1.57274E-05	0.012706484	0.033157755	0.599162757	0.040240198	1.40477E-05	100.3520432	9.52557E-05	0.002379789	0.000587216	0.005927987
2041 Sep	2799.36377	7.879096031	23.01589584	0.407926023	1451.176025	0.402112514	389.6553955	0.000478002	0.000478002	1.53577E-05	0.012553358	0.032376837	0.585039437	0.039443638	1.37183E-05	98.17259216	9.33711E-05	0.002327328	0.000574411	0.005792988
2041 Oct	2623.294434	7.379975319	21.52351189	0.381599486	1358.863281	0.37972942	365.0926819	0.000523615	0.000523615	1.47507E-05	0.012479866	0.030367607	0.548328042	0.038268372	1.32157E-05	93.13455963	8.88154E-05	0.002192092	0.000548675	0.005504656
2041 Nov	2593.046143	7.294726849	21.27146339	0.377137125	1343.038452	0.375778198	360.8539429	0.000528857	0.000528857	1.46343E-05	0.012430397	0.030024208	0.542009473	0.038016099	1.31174E-05	92.22049713	8.79427E-05	0.002168679	0.000543681	0.005451079
2041 Dec	2590.330566	7.287031651	21.24843979	0.376730531	1341.607544	0.375452608	360.4724731	0.000530091	0.000530091	1.46275E-05	0.012432289	0.029993702	0.541443586	0.038006004	1.31123E-05	92.14935303	8.78746E-05	0.002166692	0.000543327	0.005446964
2042 Jan	2588.385498	7.28143549	21.23179817	0.376436204	1340.577637	0.375193298	360.1977539	0.000530664	0.000530664	1.4621E-05	0.012429967	0.029971924	0.541028857	0.03801408	1.31069E-05	92.10853577	8.78224E-05	0.00216538	0.000543433	0.005444016
2042 Feb	2587.251709	7.278103828	21.22191238	0.376261085	1339.970825	0.375028461	360.0360718	0.000530928	0.000530928	1.46167E-05	0.012427187	0.029959371	0.540779948	0.038033441	1.31034E-05	92.09497833	8.77917E-05	0.002164728	0.000543794	0.005442448
2042 Mar	2588.359863	7.281143665	21.23068047	0.376416624	1340.534058	0.375188857	360.1881714	0.000531426	0.000531426	1.46242E-05	0.012433964	0.02997252	0.541005075	0.038069393	1.31102E-05	92.14904785	8.78335E-05	0.002165817	0.000544353	0.005445225
2042 Apr	2606.981934	7.333484173	21.38324547	0.379121602	1350.172607	0.377888024	362.7783508	0.000535405	0.000535405	1.47301E-05	0.012524254	0.030188339	0.544893682	0.038354542	1.32052E-05	92.82039642	8.84679E-05	0.002181492	0.000548457	0.005484656
2042 May	2586.885254	7.28241396	21.2783432	0.376694262	1336.062744	0.376227349	361.5907593	0.000551687	0.000551687	1.47676E-05	0.012551474	0.030135076	0.542929471	0.039602589	1.32489E-05	93.53131104	8.8675E-05	0.002188468	0.000571145	0.005492405
2042 Jun	2311.870117	6.552993774	19.3403759	0.340251178	1183.292725	0.341486812	328.8013	0.00054837	0.00054837	1.36885E-05	0.011657033	0.02753529	0.494627804	0.035891477	1.23109E-05	84.86414337	8.23093E-05	0.002006581	0.000515311	0.004976829
2042 Jul	2354.432617	6.697756767	19.83305931	0.34820345	1203.047363	0.348943174	336.4515381	0.000523601	0.000523601	1.38402E-05	0.011586992	0.028204808	0.506277442	0.035540149	1.24321E-05	85.83805847	8.32786E-05	0.002044357	0.000508281	0.005047002
2042 Aug	2406.35791	6.854659081	20.31019211	0.356391281	1229.551636	0.357038438	343.999054	0.000511176	0.000511176	1.40377E-05	0.011604331	0.028859342	0.517596543	0.036092628	1.25996E-05	87.56233215	8.41086E-05	0.002087262	0.000514627	0.00514426
2042 Sep	2418.832275	6.894076824	20.43057632	0.358427405	1235.860962	0.359136403	345.7778931	0.000508857	0.000508857	1.40886E-05	0.011616521	0.029023809	0.520305514	0.036264587	1.2644E-05	88.01316833	8.42517E-05	0.002098564	0.000515901	0.005167524
2042 Oct	2424.816162	6.91343689	20.48874283	0.35940963	1238.893555	0.36008653	346.6245422	0.00050695	0.00050695	1.4109E-05	0.011636602	0.029102219	0.521568656	0.036346819	1.26612E-05	88.22270966	8.43929E-05	0.002103844	0.000516626	0.005179164
2042 Nov	2425.831787	6.916363239	20.49735832	0.359560311	1239.408936	0.360246539	346.769043	0.00050733	0.00050733	1.41157E-05	0.011643155	0.029114628	0.521786749	0.036365557	1.26673E-05	88.26261902	8.443E-05	0.002104761	0.000516859	0.005181507
2042 Dec	2425.867676	6.916464329	20.49764061	0.359565347	1239.426758	0.360253602	346.7740784	0.000507383	0.000507383	1.41161E-05	0.011643708	0.029115083	0.521794558	0.03636685	1.26677E-05	88.26457214	8.44319E-05	0.0021048	0.000516873	0.005181625
2043 Jan	2425.826416	6.916343689	20.4972744	0.35955891	1239.405151	0.360248059	346.7680664	0.0005074	0.0005074	1.4116E-05	0.011643689	0.029114606	0.521785438	0.036367171	1.26676E-05	88.26379395	8.44308E-05	0.002104772	0.000516877	0.005181565
2043 Feb	2425.807617	6.916286469	20.49710083	0.35955587	1239.39502	0.360245258	346.7652893	0.000507408	0.000507408	1.41159E-05	0.011643668	0.029114394	0.521781087	0.036367808	1.26676E-05	88.26379395	8.44304E-05	0.002104763	0.000516888	0.005181546
2043 Mar	2425.880127	6.916491508	20.49770546	0.35956651	1239.431885	0.360256046	346.7756042	0.000507431	0.000507431	1.41164E-05	0.011644053	0.029115275	0.521796525	0.036369402	1.2668E-05	88.26681519	8.4433E-05	0.00210483	0.000516912	0.005181713
2043 Apr	2427.80127	6.921967506	20.51393318	0.359851152	1240.413208	0.360541314	347.0501709	0.000507836	0.000507836	1.41276E-05	0.011653296	0.029138332	0.522209644	0.036398489	1.26781E-05	88.33692169	8.44999E-05	0.0021065	0.000517326	0.005185823
2043 May	2430.724854	6.930646896	20.54185295	0.360307306	1241.672974	0.361068487	347.5519409	0.000510399	0.000510399	1.41567E-05	0.011681295	0.029184802	0.522951126	0.03656939	1.27053E-05	88.55402374	8.46641E-05	0.002110743	0.000520012	0.005195985
2043 Jun	2360.594482	6.741151333	20.02505493	0.350627512	1202.148804	0.352358788	339.0932922	0.000519772	0.000519772	1.39204E-05	0.011538937	0.028535143	0.510177076	0.03684964	1.25063E-05	87.27613831	8.31741E-05	0.002073104	0.000525915	0.005094618
2043 Jul	2382.473145	6.810900688	20.25315475	0.354367644	1212.223511	0.356293291	342.9217834	0.000520496	0.000520496	1.40557E-05	0.011626055	0.028866345	0.515964568	0.037102152	1.2626E-05	88.11981964	8.39957E-05	0.002095558	0.000529016	0.005145673
2043 Aug	2405.517334	6.882338047	20.48013115	0.3581554	1223.226318	0.360228062	346.716217	0.000520406	0.000520406	1.41849E-05	0.011705012	0.029192114	0.521690071	0.037385829	1.27398E-05	88.99075317	8.47512E-05	0.002117936	0.000532624	0.005196767
2043 Sep	2416.561279	6.919326782	20.60359001	0.360140562	1228.161865	0.362343252	348.7476501	0.000518054	0.000518054	1.42439E-05	0.011731792	0.029369967	0.524766862	0.037492372	1.27907E-05	89.42208862	8.5096E-05	0.002129802	0.000533664	0.005221807
2043 Oct	2409.804932	6.902603149	20.55847359	0.359271258	1224.343872	0.361709505	347.9701538	0.000518565	0.000518565	1.42211E-05	0.011727294	0.029311165	0.523617566	0.037431333	1.27715E-05	89.24510956	8.49137E-05	0.00212555	0.000532053	0.005211881
2043 Nov	2399.275879	6.873671055	20.47377396	0.357753187	1218.769165	0.360416263	346.541687	0.000519885	0.000519885	1.41798E-05	0.011711889	0.029196035	0.521488845	0.037332933	1.27365E-05	88.92840576	8.4605E-05	0.002117523	0.00052998	0.005193742
2043 Dec	2399.230469	6.873538494	20.47336006	0.357746005	1218.745361	0.360411823	346.5349731	0.000519937	0.000519937	1.41799E-05	0.011712191	0.029195515	0.521479011	0.037333265	1.27365E-05	88.92761993	8.46042E-05	0.002117492	0.000529978	0.005193699
2044 Jan	2399.199951	6.873447895	20.47307968	0.357741147	1218.729248	0.360407829	346.5304565	0.000519956	0.000519956	1.41798E-05	0.011712226	0.029195162	0.521472156	0.037333757	1.27365E-05	88.92723083	8.46035E-05	0.002117474	0.000529984	0.005193663
2044 Feb	2399.294189	6.873714447	20.47386742	0.357754916	1218.776733	0.360421956	346.5439758	0.00051999	0.00051999	1.41804E-05	0.011712758	0.029196322	0.521492243	0.037336178	1.2737E-05	88.93143463	8.4607E-05	0.002117565	0.000530021	0.005193889
2044 Mar	2399.536133	6.874405384	20.47592354	0.357790828	1218.899292	0.360458314	346.5788269	0.00052005	0.00052005	1.41819E-05	0.011713977	0.029199272	0.521544695	0.037340466	1.27383E-05	88.94078064	8.46157E-05	0.002117783	0.000530083	0.005194424
2044 Apr	2400.166504	6.876210213	20.48130035	0.357884735	1219.21936	0.360552967	346.6698608	0.00052019	0.00052019	1.41856E-05	0.011717075	0.02920695	0.521681607	0.037350565	1.27417E-05	88.96437073	8.4638E-05	0.002118341	0.000530227	0.005195796
2044 May	2402.573975	6.881750107	20.49607468	0.358163863	1220.401001	0.360952944	347.0939941	0.000521195	0.000521195	1.42027E-05	0.011736309	0.029232571	0.522289157	0.037408132	1.27566E-05	89.08715057	8.47597E-05	0.002120323	0.000531467	0.00520369
2044 Jun	1790.486938	4.990187168	14.69984913	0.259095162	905.3334351	0.27678737	266.2303772	0.000597392	0.000597392	1.16688E-05	0.009960864	0.021400653	0.397922069	0.029338548	1.05181E-05	69.40232086	6.7724E-05	0.001568398	0.000445366	0.004232325
2044 Jul	1158.575195	3.164232254	9.260326385	0.164280057	583.2385254	0.188007027	174.811676	0.000730148	0.000730148	9.25246E-06	0.007518628	0.013694626	0.259987861	0.021188581	8.48619E-06	47.35735321	4.64692E-05	0.001031042	0.000317974	0.003064847
2044 Aug	800.3972778	2.159473419	6.307657719	0.112306252	401.3391113	0.137163967	121.031929	0.000819184	0.000819184	7.93113E-06	0.00604955	0.009420113	0.179600284	0.016828652	7.40292E-06	34.5941391	3.35125E-05	0.000722588	0.00024415	0.002345295

Appendix D.2-31: WES03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2044 Sep	615.289856	1.625985146	4.719910622	0.084586456	306.9603577	0.111139849	94.13135529	0.000854588	0.000854588	7.20163E-06	0.005366457	0.007162407	0.139221758	0.014569612	6.78795E-06	28.21355247	2.7059E-05	0.000547601	0.000213425	0.0019811
2044 Oct	552.0811768	1.44562006	4.185015678	0.075217478	274.7472534	0.102192804	84.81632996	0.000867238	0.000867238	6.95384E-06	0.005126805	0.006395497	0.125241414	0.013814071	6.5805E-06	26.02206612	2.48475E-05	0.000488333	0.000202346	0.001858734
2044 Nov	552.1295166	1.445033193	4.182093143	0.075178877	274.7519836	0.102229007	84.87116241	0.000867087	0.000867087	6.9537E-06	0.005132282	0.00639389	0.125309005	0.013815927	6.57986E-06	26.03668785	2.48694E-05	0.000488211	0.000202554	0.001860125
2044 Dec	552.142395	1.44506681	4.182188034	0.075180583	274.7583008	0.102231629	84.87311554	0.000867113	0.000867113	6.95389E-06	0.005132455	0.006394042	0.125311911	0.013816355	6.58004E-06	26.03738213	2.487E-05	0.000488224	0.000202559	0.001860174
2045 Jan	552.1408081	1.44506228	4.182173252	0.075180329	274.7574463	0.102231406	84.87285614	0.000867114	0.000867114	6.95389E-06	0.005132465	0.006394026	0.125311524	0.013816448	6.58004E-06	26.03741074	2.487E-05	0.000488224	0.00020256	0.001860172
2045 Feb	552.1404419	1.44506073	4.182168484	0.07518024	274.7571716	0.102231316	84.87277222	0.000867115	0.000867115	6.95389E-06	0.00513247	0.006394024	0.12531139	0.013816568	6.58004E-06	26.03748703	2.487E-05	0.000488224	0.000202562	0.001860174
2045 Mar	552.1729126	1.445145607	4.182413578	0.075184643	274.7732849	0.102237329	84.87776184	0.000867167	0.000867167	6.9543E-06	0.005132777	0.006394402	0.125318736	0.013817452	6.58043E-06	26.03907013	2.48715E-05	0.000488254	0.000202575	0.001860284
2045 Apr	552.2904663	1.445452929	4.183302879	0.07520064	274.8317871	0.102259077	84.89582062	0.000867352	0.000867352	6.95578E-06	0.005133871	0.006395763	0.125345379	0.013820433	6.58183E-06	26.0446434	2.48768E-05	0.000488358	0.000202619	0.001860681
2045 May	553.0528564	1.447448254	4.189077854	0.075304441	275.2111511	0.102400251	85.01301575	0.000868549	0.000868549	6.96538E-06	0.00514096	0.006404593	0.125518411	0.01383953	6.59092E-06	26.08060837	2.49111E-05	0.000489032	0.000202899	0.00186325
2045 Jun	526.8582764	1.361308455	3.920501947	0.070770971	261.3860779	0.09895058	82.06412506	0.000867296	0.000867296	6.84293E-06	0.005102869	0.006063294	0.120866813	0.013435162	6.47652E-06	25.30616188	2.44606E-05	0.000466921	0.000199513	0.001831102
2045 Jul	466.0805359	1.186402321	3.40156126	0.061704189	230.2927551	0.090471499	73.33553314	0.000880757	0.000880757	6.61723E-06	0.004864881	0.005331606	0.107669398	0.012634937	6.28737E-06	23.18353081	2.24942E-05	0.000420614	0.000185523	0.001724398
2045 Aug	404.5777893	1.017728686	2.911412001	0.053011168	199.1528168	0.081717506	63.86472321	0.000898981	0.000898981	6.40298E-06	0.004594021	0.004610543	0.093581714	0.011908299	6.11641E-06	20.94969177	2.01489E-05	0.000369217	0.000171887	0.001595915
2045 Sep	359.0061951	0.891252935	2.54198122	0.046475474	176.0007172	0.075205639	56.93930817	0.000909695	0.000909695	6.23046E-06	0.004412402	0.004069885	0.083303027	0.011390537	5.97528E-06	19.33489418	1.843E-05	0.000324977	0.000164242	0.00149703
2045 Oct	339.7738953	0.839154661	2.391642332	0.043793947	166.2693176	0.072404847	53.9034996	0.000915295	0.000915295	6.16156E-06	0.004326642	0.003844185	0.078807287	0.011179488	5.92065E-06	18.63597679	1.7677E-05	0.00030661	0.000160565	0.001455616
2045 Nov	339.8565674	0.839358747	2.392222643	0.043804578	166.3097076	0.072422601	53.91660309	0.000915521	0.000915521	6.16308E-06	0.004327728	0.003845123	0.078826457	0.011182275	5.92211E-06	18.64056778	1.76813E-05	0.000306686	0.000160605	0.001455973
2045 Dec	339.8738708	0.839401484	2.392343998	0.043806799	166.3181763	0.072426379	53.91934967	0.00091557	0.00091557	6.16341E-06	0.004327967	0.00384532	0.078830481	0.011182881	5.92242E-06	18.64155006	1.76823E-05	0.000306702	0.000160613	0.00145605
2046 Jan	339.8765259	0.83940798	2.392361879	0.04380713	166.3194427	0.072426967	53.91975784	0.000915578	0.000915578	6.16346E-06	0.004328009	0.003845351	0.078831077	0.011183014	5.92247E-06	18.64173126	1.76824E-05	0.000306704	0.000160615	0.001456062
2046 Feb	339.8800964	0.839416564	2.392386436	0.043807577	166.321167	0.07242772	53.9203186	0.000915588	0.000915588	6.16352E-06	0.004328058	0.003845392	0.078831889	0.011183176	5.92254E-06	18.64195824	1.76826E-05	0.000306708	0.000160618	0.001456078
2046 Mar	339.9186707	0.839511752	2.39265728	0.043812539	166.3400269	0.072435938	53.92642975	0.000915692	0.000915692	6.16422E-06	0.004328549	0.003845828	0.078840822	0.011184469	5.92321E-06	18.64409065	1.76846E-05	0.000306743	0.000160636	0.001456244
2046 Apr	340.0846558	0.839921594	2.393825531	0.043833926	166.4212341	0.072471298	53.9527626	0.000916139	0.000916139	6.16723E-06	0.004330664	0.003847706	0.078879312	0.011189944	5.9261E-06	18.65320396	1.76933E-05	0.000306893	0.000160715	0.001456955
2046 May	340.6323242	0.841149449	2.397166014	0.043896936	166.6812134	0.072589383	54.04893494	0.00091752	0.00091752	6.1768E-06	0.004338311	0.003853763	0.07901714	0.011211762	5.93519E-06	18.68817711	1.77263E-05	0.000307406	0.000161081	0.001459529
2046 Jun	331.2715759	0.809278369	2.297299623	0.042212144	161.5715637	0.071338952	53.16110611	0.000912753	0.000912753	6.11503E-06	0.004340124	0.003735264	0.077595741	0.011067182	5.87491E-06	18.44615364	1.76818E-05	0.000300604	0.00016024	0.001448868
2046 Jul	308.2327576	0.741130114	2.093504429	0.038668532	149.6011963	0.068151556	50.09639359	0.00091285	0.00091285	6.00939E-06	0.004260851	0.003458955	0.072920017	0.010728132	5.78099E-06	17.66547966	1.70614E-05	0.000284564	0.000154746	0.001411406
2046 Aug	283.292511	0.674440861	1.902005792	0.035244789	137.0326691	0.064614072	46.1265564	0.000922993	0.000922993	5.93462E-06	0.004145851	0.003171464	0.067047253	0.010453127	5.72504E-06	16.7454052	1.60523E-05	0.000264404	0.000148818	0.001357768
2046 Sep	262.4139099	0.617042124	1.734954953	0.032277215	126.4159698	0.061634973	42.93963242	0.000926763	0.000926763	5.84992E-06	0.004061272	0.002925993	0.062338993	0.010222725	5.65496E-06	16.00826263	1.5231E-05	0.000243284	0.000145544	0.001310276
2046 Oct	253.0598297	0.591362894	1.659928083	0.03094399	121.6503983	0.060293086	41.5071106	0.000928136	0.000928136	5.81025E-06	0.004023731	0.002815486	0.0602098	0.010122171	5.62186E-06	15.68127632	1.48746E-05	0.00023383	0.000143998	0.001290583
2046 Nov	253.1171722	0.59134084	1.659567595	0.030940376	121.6681824	0.060314298	41.53223801	0.000928093	0.000928093	5.81052E-06	0.004026037	0.002815858	0.060243662	0.010124382	5.62195E-06	15.68850899	1.48839E-05	0.000233861	0.000144075	0.001291133
2046 Dec	253.1268616	0.59136349	1.659630179	0.030941544	121.6728058	0.060316689	41.53382111	0.000928131	0.000928131	5.81075E-06	0.004026211	0.002815967	0.060245965	0.010124808	5.62218E-06	15.68914223	1.48845E-05	0.000233871	0.00014408	0.001291184
2047 Jan	253.1278687	0.591365635	1.659635901	0.030941654	121.6732559	0.060316946	41.53397369	0.000928135	0.000928135	5.81078E-06	0.004026235	0.002815979	0.060246188	0.010124896	5.6222E-06	15.68923855	1.48846E-05	0.000233872	0.000144082	0.001291191
2047 Feb	253.1304016	0.591371417	1.659651995	0.030941952	121.6744537	0.060317539	41.53438187	0.000928145	0.000928145	5.81084E-06	0.004026278	0.002816008	0.060246769	0.010125046	5.62226E-06	15.68943214	1.48847E-05	0.000233875	0.000144084	0.001291204
2047 Mar	253.1686401	0.591460645	1.659902453	0.03094662	121.6928177	0.060326651	41.54065323	0.000928285	0.000928285	5.81172E-06	0.004026888	0.002816434	0.060255863	0.010126601	5.62311E-06	15.69182205	1.4887E-05	0.00023391	0.000144106	0.0012914
2047 Apr	253.2167206	0.59157294	1.660217285	0.030952491	121.7159195	0.060338099	41.54853821	0.000928462	0.000928462	5.81282E-06	0.004027653	0.002816969	0.060267296	0.01012854	5.62418E-06	15.69481182	1.48898E-05	0.000233955	0.000144134	0.001291645
2047 May	253.4539337	0.591691613	1.660007238	0.030954525	121.793602	0.060396012	41.62175369	0.000928873	0.000928873	5.81638E-06	0.00403423	0.002819549	0.060363844	0.010158109	5.62727E-06	15.7321949	1.49227E-05	0.000234328	0.000144761	0.001293688
2047 Jun	249.5630188	0.576716483	1.611740112	0.030143434	119.4651794	0.059884418	41.40436172	0.000925011	0.000925011	5.78316E-06	0.00404128	0.002772885	0.059928026	0.010245757	5.59348E-06	15.774786	1.49735E-05	0.000233085	0.000147491	0.001294472
2047 Jul	238.5048828	0.547542453	1.528634667	0.028653461	113.9033966	0.058355406	39.61545944	0.000932041	0.000932041	5.76265E-06	0.003986074	0.002647115	0.057260066	0.010114314	5.5815E-06	15.35452366	1.45437E-05	0.000226859	0.000143665	0.001274937
2047 Aug	224.7688141	0.511546016	1.426341653	0.026813556	107.0167236	0.056410614	37.37239075	0.000939025	0.000939025	5.72776E-06	0.003920713	0.002490389	0.053957172	0.009958582	5.55752E-06	14.83145332	1.39663E-05	0.000215958	0.000140027	0.001244574
2047 Sep	212.6190796	0.478821874	1.33208549	0.02512713	100.8569946	0.054665111	35.47702026	0.000941452	0.000941452	5.67926E-06	0.00387034	0.002349176	0.051176365	0.009819596	5.51796E-06	14.3890152	1.34686E-05	0.000203163	0.000138006	0.00121524
2047 Oct	207.0010529	0.463663876	1.288151622	0.02434144	97.99890137	0.053850703	34.60383224	0.000942029	0.000942029	5.65413E-06	0.003846582	0.002283404	0.04988483	0.009755068	5.49692E-06	14.18664265	1.32468E-05	0.000197241	0.000137003	0.001202811
2047 Nov	207.0436859	0.463610023	1.287707686	0.024335971	98.00676727	0.053870104	34.62884903	0.000941887	0.000941887	5.6539E-06	0.003848871	0.00228373	0.049918633	0.009756825	5.4965E-06	14.19355774	1.3256E-05	0.000197269	0.000137074	0.001203306
2047 Dec	207.0500336	0.463624209	1.287746429	0.024336707	98.00975037	0.053871818	34.62990189	0.000941918	0.000941918	5.65408E-06	0.003849004	0.002283801	0.04992016	0.009757155	5.49668E-06	14.19401932	1.32565E-05	0.000197275	0.000137078	0.001203344
2048 Jan	207.052597	0.463629901	1.287761927	0.024336997	98.01094055	0.053872503	34.63032532	0.00094193	0.00094193	5.65415E-06	0.003849059	0.00228383	0.049920768	0.009757315	5.49675E-06	14.19422531	1.32566E-05	0.000197278	0.00013708	0.00120336
2048 Feb	207.0570984	0.463639855	1.287789464	0.024337515	98.01305389	0.053873666	34.631073	0.000941951	0.000941951	5.65428E-06	0.003849144	0.00228388	0.049921837	0.009757565	5.49687E-06	14.19456196	1.32569E-05	0.000197283	0.000137084	0.001203387
2048 Mar	207.0578918	0.463641554	1.287793994	0.024337603	98.01341248	0.053873863	34.63119888	0.000941955	0.000941955	5.6543E-06	0.00384916	0.00228389	0.049922016	0.009757624	5.49689E-06	14.19463062	1.3257E-05	0.000197283	0.000137085	0.001203392
2048 Apr	207.1111908	0.463755876	1.288105011	0.024343543	98.0381546	0.053887635	34.64055634	0.000942186	0.000942186	5.6557E-06	0.003850155	0.00228448	0.049935345	0.009760459	5.49825E-06	14.19861984	1.32606E-05	0.000197337	0.000137128	0.001203711
2048 May	207.3344269	0.464253515	1.289484262	0.024369637	98.14360046	0.053945672	34.67808914	0.000943196	0.000943196	5.66178E-06	0.003854307	0.002286944	0.049989372	0.009771127	5.50415E-06	14.21407604	1.32749E-05	0.00019755	0.000137279	0.001205012
2048 Jun	204.6837921	0.454964817	1.26072371	0.023879766	96.60219574	0.053605273	34.51913071	0.000939926	0.000939926	5.63708E-06	0.003861099	0.002256352	0.049725246	0.00971276	5.47918E-06	14.15082932	1.33171E-05	0.000196207	0.000136863	0.001202389
2048 Jul	197.3943024	0.434143603	1.199850917	0.022805315	92.78262329	0.052599348	33.5435257	0.000939913	0.000939913	5.60433E-06	0.003835598	0.002173648	0.048248019	0.009597356	5.45029E-06	13.89471531	1.31372E-05	0.000192475	0.000134519	0.001190695
2048 Aug	188.5911713	0.411099702	1.134432435	0.021627175	88.36040497	0.05136779	32.11629486	0.000944005	0.000944005	5.58035E-06	0.003792176	0.002073978	0.046147544	0.009497813	5.43323E-06	13.56157398	1.27571E-05	0.000185574	0.000132159	0.001171124
2048 Sep	180.6042175	0.390218139	1.075080633	0.020555437	84.34565735	0.050195966	30.81104088	0.000946112	0.000946112	5.55009E-06	0.003756479	0.001982182	0.044246469	0.009412026	5.40939E-06	13.2616415	1.24059E-05	0.000176924	0.000130807	0.001150461
2048 Oct	176.7534027	0.380208313	1.046473861	0.0200381	82.40701294	0.049617883	30.17729378	0.000946503	0.000946503	5.53232E-06	0.003738276	0.001937731	0.043317273	0.009369821	5.39473E-06	13.1168499	1.22405E-05	0.000172789	0.000130058	0.001141138
2048 Nov	176.7630157	0.380176038	1.04624474	0.020034824	82.40483093	0.049627237	30.18595314	0.00094648	0.00094648	5.53235E-06	0.003739863	0.001937884	0.043329403	0.009371772	5.39469E-06	13.12048435	1.2245E-05	0.000172812	0.000130091	0.001141361
2048 Dec	176.7677917	0.380186349	1.046272635	0.020035356	82.40704346	0.049628638	30.18676376	0.000946507	0.000946507	5.5325E-06	0.003739978	0.001937938	0.043330576	0.009372053	5.39485E-06	13.12086296	1.22454E-05	0.000172817	0.000130095	0.001141393
2049 Jan	176.7686462	0.380188107	1.046277165	0.020035446	82.40742493	0.049628887	30.186903	0.000946512	0.000946512	5.53253E-06	0.003740002	0.001937948	0.043330777	0.009372132	5.39488E-06	13.1209507	1.22454E-05	0.000172818	0.000130096	0.001141399
2049 Feb	176.7693634	0.380189538	1.046280861	0.020035516	82.40773773	0.049629077	30.18701553	0.000946516	0.000946516	5.53256E-06	0.003740018	0.001937956	0.043330934	0.009372204	5.3949E-06	13.1210289	1.22455E-05	0.000172819	0.000130097	0.001141404
2049 Mar	176.7781067	0.380208313	1.046332479	0.020036507	82.41181183	0.049631529	30.18850899	0.000946563	0.000946563	5.53283E-06	0.003740204	0.001938052	0.043333072	0.009372687	5.39516E-06	13.1216917	1.22461E-05	0.000172828	0.000130103	0.001141461
2049 Apr	176.8235626	0.380306035	1.046601295	0.020041654	82.43299103	0.049644284	30.19626808	0.000946806	0.000946806	5.53425E-06	0.003741167	0.001938551	0.043344207	0.009375107	5.39655E-06	13.12507248	1.22492E-05	0.000172873	0.000130137	0.001141754
2049 May	177.0194397	0.380695224	1.047634602	0.020061817	82.52064514	0.049698941	30.23269653	0.000947795	0.000947795	5.54012E-06	0.003745529	0.001940741	0.043395784	0.009387488	5.40224E-06	13.14174938	1.22645E-05	0.000173083	0.000130328	0.001143079
2049 Jun	174.7339478	0.373855233	1.027386904	0.019704076	81.26258087	0.04932471	29.97632599	0.000944724	0.000944724	5.51572E-06	0.003745562	0.001916697	0.043018214	0.009350749	5.3786E-06	13.07133007	1.2264E-05	0.000172219	0.000129798	0.001138065
2049 Jul	169.4711151	0.359926373	0.987780392	0.018991543	78.58073425	0.048554927	29.15926933	0.000945451	0.000945451	5.49399E-06	0.003720404	0.001858834	0.041805245	0.009273455	5.36061E-06	12.86612225	1.20905E-05	0.000169893	0.000127709	0.001127891
2049 Aug	163.5595856	0.345057935	0.946380377	0.018238897	75.66347504	0.047734067	28.11638069	0.000951272	0.000951272	5.4916E-06	0.003692623	0.001792236	0.040280204	0.009223152	5.3636E-06	12.63695049	1.1819E-05	0.000165442	0.000126055	0.001114902
2049 Sep	157.6593018	0.330172718	0.904572129	0.017476691	72.73664856	0.046836652	27.09428596	0.000952879	0.000952879	5.46854E-06	0.003664358	0.001725105	0.038804904	0.009162985	5.34577E-06	12.40547276	1.15396E-05	0.00015895	0.000124957	0.0010982
2049 Oct	154.778183	0.322946459	0.884120822	0.017103298	71.3039093	0.046388112	26.59255409	0.000953095	0.000953095	5.45439E-06	0.003649929	0.001692185	0.0380756	0.00913306	5.33418E-06	12.2927227	1.1407E-05	0.000155817	0.00012434	0.001090587
2049 Nov	154.7824554	0.322940439	0.884036601	0.017102061	71.30269623	0.046393998	26.59534264	0.000953147	0.000953147	5.45469E-06	0.003651076	0.001692306	0.038079888	0.009134938	5.33446E-06	12.29499054	1.14095E-05	0.000155839	0.000124359	0.001090718
2049 Dec	154.7877502	0.322951466	0.884066403	0.017102636	71.30511475	0.046395622	26.59624672	0.000953181	0.000953181	5.45488E-06	0.003651211	0.001692365	0.038081188	0.009135271	5.33465E-06	12.29542637	1.14099E-05	0.000155844	0.000124364	0.001090756
2050 Jan	154.7891998	0.322954446	0.88407433	0.017102791	71.30576324	0.046396069	26.59649086	0.00095319	0.00095319	5.45493E-06	0.003651249	0.001692381	0.038081538	0.009135382	5.3347E-06	12.29556179	1.141E-05	0.000155846	0.000124365	0.001090767
2050 Feb	154.7897797	0.322955579	0.884077251	0.017102847	71.30603027	0.046396233	26.59658432	0.000953194	0.000953194	5.45495E-06	0.003651264	0.001692388	0.038081665	0.009135442	5.33472E-06	12.29562569	1.141E-05	0.000155847	0.000124366	0.001090772
2050 Mar	154.7912903	0.322958708	0.884085774	0.017103013	71.30671692	0.046396684	26.59684181	0.000953203	0.000953203	5.45501E-06	0.0036513	0.001692405	0.03808203	0.009135546	5.33477E-06	12.29575729	1.14101E-05	0.000155849	0.000124367	0.001090782
2050 Apr	154.8213196	0.323021352	0.884257197	0.01710633	71.32054138	0.04640568	26.60199928	0.000953388	0.000953388	5.45607E-06	0.003652009	0.001692733	0.038089417	0.009137326	5.33581E-06	12.29814816	1.14124E-05	0.000155879	0.000124392	0.001090994
2050 May	154.9613953	0.323309779	0.885041952	0.017121542	71.38451385	0.046447527	26.62615395	0.000954253	0.000954253	5.46101E-06	0.003655394	0.001694281	0.038123924	0.009146272	5.34064E-06	12.30981445	1.1423E-05	0.000156027	0.000124516	0.001091994
2050 Jun	153.1598816	0.318629235	0.871752024	0.016879292	70.45510101	0.046115067	26.33314514	0.000952702	0.000952702	5.44446E-06	0.003651789	0.001675963	0.037705842	0.009130333	5.32543E-06	12.24494171	1.13922E-05	0.000155521	0.000123994	0.001086846
2050 Jul	148.865921	0.307909817	0.841827691	0.01633309	68.32007599	0.045426376	25.59853745	0.00095236	0.00095236	5.42104E-06	0.003626007	0.001629702	0.03663196	0.00906286	5.3056E-06	12.05885887	1.1226E-05	0.000153763	0.000121985	0.001076472
2050 Aug	144.3795013	0.296755612	0.810900807	0.015769189	66.1181488	0.044789694	24.79635239	0.000956314	0.000956314	5.4168E-06	0.003602556	0.001579431	0.035461001	0.009021296	5.30552E-06	11.87919331	1.10111E-05	0.00015039	0.000120641	0.001066051
2050 Sep	142.5223389	0.292133182	0.797881186	0.015531296	65.19944	0.044518489	24.4681282	0.000957079	0.000957079	5.41067E-06	0.003597041	0.00155884	0.034995954	0.009008431	5.30109E-06	11.80979729	1.0922E-05	0.000148366	0.00012036	0.001060257
2050 Oct	142.5799561	0.292244732	0.798108876	0.015536047	65.22255707	0.044542972	24.47871399	0.000957567	0.000957567	5.41334E-06	0.003600047	0.001559591	0.035011854	0.009014859	5.30372E-06	11.81722069	1.09291E-05	0.000148456	0.000120429	0.001060823
2050 Nov	142.6146545	0.292315751	0.798301637	0.015539803	65.2383728	0.044553909	24.48467445	0.000957802	0.000957802	5.41467E-06	0.003600947	0.001559972	0.035020392	0.009017096	5.30502E-06	11.82013702	1.09318E-05	0.000148492	0.000120458	0.001061083
2050 Dec	142.6189575	0.292324603	0.798325598	0.015540268	65.24034119	0.04455528	24.48541069	0.000957832	0.000957832	5.41483E-06	0.003601062	0.00156002	0.035021447	0.00901738	5.30518E-06	11.82050228	1.09321E-05	0.000148497	0.000120462	0.001061115

Appendix D.2-31: WES03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	1.7E-02	1.5E-05	3.0E+01	2.8E+01	4.0E-01	9.9E-03	6.5E+02	1.5E-02	9.0E-02	6.6E-05	1.9E-03	8.6E-04	2.9E+00	1.4E-04	1.9E-03	5.9E-04	3.3E-03	4.6E-03
Operations (2020-2043): Mean	3.0E-02	2.8E-05	3.6E+01	3.8E+01	4.7E-01	1.2E-02	8.1E+02	2.3E-02	1.1E-01	8.0E-05	3.0E-03	1.3E-03	3.5E+00	1.7E-04	2.3E-03	1.2E-03	4.1E-03	7.3E-03
Operations (2020-2043): Max	4.4E-02	3.3E-05	5.3E+01	4.4E+01	6.3E-01	0.0167	1.1E+03	2.7E-02	1.6E-01	1.1E-04	3.5E-03	1.6E-03	5.1E+00	2.6E-04	2.9E-03	1.4E-03	4.9E-03	8.6E-03
Active Closure (2044-2050): Min	1.9E-02	3.3E-06	2.2E+00	3.3E+00	2.5E-02	5.5E-04	3.3E+01	2.0E-03	7.9E-03	4.6E-05	2.3E-04	1.3E-04	1.7E-01	7.3E-06	1.3E-04	1.7E-04	1.0E-03	5.1E-04
Active Closure (2044-2050): Mean	2.1E-02	6.6E-06	5.9E+00	7.5E+00	7.5E-02	1.8E-03	1.1E+02	4.7E-03	1.9E-02	5.3E-05	5.8E-04	2.8E-04	5.3E-01	2.4E-05	3.8E-04	3.0E-04	1.4E-03	1.4E-03
Active Closure (2044-2050): Max	3.8E-02	2.7E-05	3.2E+01	3.5E+01	4.2E-01	1.1E-02	6.8E+02	2.1E-02	9.6E-02	1.0E-04	2.8E-03	1.2E-03	3.1E+00	1.5E-04	2.1E-03	1.1E-03	3.8E-03	6.7E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than ap																		
Model Predictions (2020-2050)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-31: WES03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-31: WES03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037 May	0.017214537	1.48041E-05	37.2532196	28.09403992	0.437334299	0.011791874	771.2965088	0.015193965	0.116488367	6.61146E-05	0.001914338	0.00085732	3.569671869	0.00018359	0.002005349	0.000591341	0.003336003	0.004553161
2037 Jun	0.025057586	2.25335E-05	52.65215302	40.99824142	0.623621047	0.016715353	1098.874756	0.022508839	0.1639155	9.43032E-05	0.002843428	0.001270687	5.052215576	0.000258253	0.002874966	0.000905057	0.004806851	0.006784239
2037 Jul	0.025970254	2.48675E-05	52.15084457	42.65196228	0.626407087	0.016634103	1102.273193	0.023931816	0.161208257	9.4766E-05	0.003034459	0.001351961	5.015176773	0.000253854	0.002912003	0.001006109	0.00490653	0.007272083
2037 Aug	0.025607252	2.61501E-05	48.81590271	42.22863388	0.5961833	0.015658194	1047.40979	0.024247063	0.149606809	9.02398E-05	0.003086271	0.00137076	4.70693779	0.000235433	0.002798392	0.001065394	0.004756722	0.007429786
2037 Sep	0.025070095	2.70369E-05	45.49746323	41.49499893	0.564775765	0.01467521	990.6994019	0.024310514	0.138238028	8.5528E-05	0.003104491	0.001375196	4.398533344	0.0002174	0.0026755	0.001107626	0.004585427	0.007502275
2037 Oct	0.024262305	2.73252E-05	42.17792892	40.28091431	0.531308532	0.013673603	930.7141113	0.023989346	0.12713486	8.0495E-05	0.003071479	0.001357697	4.087428093	0.000199816	0.002537435	0.001124106	0.004379905	0.007445006
2037 Nov	0.024281267	2.74494E-05	42.04654694	40.32330322	0.530369937	0.013637406	928.9532471	0.024049072	0.126644671	8.0356E-05	0.003079822	0.001361136	4.075604439	0.000199035	0.00253482	0.001129611	0.004378206	0.007467181
2037 Dec	0.024297133	2.74686E-05	42.07190323	40.34978867	0.530699015	0.013645713	929.5281982	0.024065312	0.126719832	8.04059E-05	0.003081911	0.001362056	4.078073978	0.000199153	0.002536417	0.001130408	0.004381001	0.007472271
2038 Jan	0.024298409	2.74701E-05	42.07411957	40.35190964	0.53072691	0.01364643	929.5770264	0.024066579	0.126726508	8.04101E-05	0.003082073	0.001362127	4.078288555	0.000199163	0.002536551	0.001130468	0.004381231	0.007472664
2038 Feb	0.024299236	2.7471E-05	42.07554626	40.35327911	0.53074497	0.013646893	929.6085815	0.024067394	0.126730815	8.04129E-05	0.003082178	0.001362174	4.078426838	0.00019917	0.002536637	0.001130506	0.00438138	0.007472917
2038 Mar	0.024305215	2.74778E-05	42.08589554	40.36321259	0.530875564	0.013650252	929.8373413	0.024073318	0.126762003	8.04327E-05	0.003082936	0.001362509	4.079431057	0.000199219	0.002537261	0.001130784	0.004382458	0.007474756
2038 Apr	0.024382997	2.75657E-05	42.22058105	40.49238205	0.532574475	0.013693936	932.8130493	0.024150357	0.127167657	8.06901E-05	0.003092802	0.001366869	4.092485428	0.000199856	0.002545381	0.001134403	0.004396483	0.007498677
2038 May	0.024726069	2.83576E-05	42.16879272	41.10494614	0.534747422	0.013702375	936.1594849	0.024651183	0.126640201	8.10319E-05	0.00315967	0.001395444	4.091050148	0.000198983	0.002563126	0.001168542	0.004438211	0.007668458
2038 Jun	0.024712566	3.03623E-05	38.91627502	41.29670334	0.507851005	0.012773628	886.7520142	0.025442932	0.11498636	7.70201E-05	0.003274714	0.001441397	3.793702126	0.000180443	0.002471375	0.001258801	0.004335128	0.007985668
2038 Jul	0.026468121	3.29829E-05	40.93968582	44.27953339	0.537822545	0.013469624	938.524292	0.027435165	0.120496206	8.15809E-05	0.003534144	0.001554513	3.995474815	0.000189032	0.002626203	0.001369086	0.00461999	0.008626722
2038 Aug	0.024780763	3.10537E-05	38.05239868	41.47508621	0.50125128	0.012531809	874.4935303	0.025755312	0.11181958	7.60394E-05	0.00331887	0.001459424	3.715415716	0.000175398	0.002451022	0.001289613	0.004316818	0.008104366
2038 Sep	0.024179922	3.03202E-05	37.09869003	40.47153091	0.488841742	0.012219093	852.8197632	0.025138592	0.108996883	7.41575E-05	0.003239523	0.001424488	3.622490644	0.000170968	0.002390724	0.001259219	0.004211182	0.007910958

Appendix D.2-31: WES03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2038 Oct	0.024129631	3.02558E-05	37.02365112	40.38721848	0.48784247	0.012194284	851.078125	0.025085779	0.108777791	7.40059E-05	0.003232708	0.001421495	3.615150213	0.000170624	0.002385811	0.001256541	0.00420249	0.007894294
2038 Nov	0.024207177	3.03514E-05	37.14517975	40.51684189	0.489431202	0.012234199	853.8518066	0.025165763	0.109136507	7.42468E-05	0.003243006	0.001426026	3.627000809	0.000171187	0.00239355	0.001260507	0.004216075	0.00791941
2038 Dec	0.024215866	3.03623E-05	37.15851212	40.53138351	0.489606857	0.01223859	854.1582031	0.025174795	0.109175675	7.42735E-05	0.00324417	0.001426538	3.628302574	0.000171249	0.002394409	0.001260959	0.004217588	0.007922254
2039 Jan	0.024217073	3.03639E-05	37.16036224	40.5334053	0.489631325	0.0122392	854.2008667	0.02517605	0.109181114	7.42772E-05	0.003244331	0.001426609	3.628483534	0.000171257	0.002394528	0.001261022	0.004217798	0.007922648
2039 Feb	0.024217555	3.03645E-05	37.16110611	40.53421402	0.489641041	0.012239444	854.2178955	0.025176553	0.109183297	7.42787E-05	0.003244396	0.001426638	3.628556013	0.000171261	0.002394576	0.001261047	0.004217883	0.007922807
2039 Mar	0.0242425	3.03957E-05	37.19938278	40.57596207	0.490145415	0.01225205	855.0977173	0.025202483	0.109295756	7.43552E-05	0.003247738	0.001428107	3.632293224	0.000171437	0.002397042	0.001262346	0.004222227	0.007930967
2039 Apr	0.024336657	3.05138E-05	37.34386063	40.73355865	0.492049098	0.012299637	858.4188232	0.025300369	0.109720245	7.4644E-05	0.003260352	0.001433654	3.64640069	0.000172103	0.002406352	0.001267249	0.004238626	0.007961771
2039 May	0.024772687	3.10581E-05	38.01671982	41.46311569	0.500896156	0.012521085	873.8562012	0.025752723	0.111699648	7.5986E-05	0.003318629	0.001459286	3.712078094	0.000175208	0.002449572	0.001289848	0.004314686	0.008104041
2039 Jun	0.02421041	3.03242E-05	37.20014191	40.51893997	0.489908516	0.012250097	854.7228394	0.025156658	0.109330438	7.43182E-05	0.003241631	0.001425494	3.632054329	0.000171495	0.002395269	0.001259268	0.004218197	0.007915492
2039 Jul	0.024478819	3.06207E-05	37.67596054	40.96394348	0.495862156	0.012403994	865.1586914	0.025419746	0.110769965	7.522E-05	0.003275276	0.00144038	3.678114891	0.000173758	0.002423597	0.001271444	0.004266938	0.007996937
2039 Aug	0.025282316	3.16736E-05	38.83631134	42.31361389	0.511509597	0.012789369	892.401123	0.026273161	0.114132084	7.75952E-05	0.003385545	0.001488764	3.791870594	0.000179026	0.002501014	0.001315327	0.004404617	0.008267026
2039 Sep	0.024488468	3.07081E-05	37.57054901	40.98806381	0.495066881	0.012374575	863.678772	0.025459751	0.110382214	7.51019E-05	0.003280916	0.001442687	3.668574572	0.000173141	0.002421188	0.00127533	0.004264871	0.008012058
2039 Oct	0.024148637	3.02784E-05	37.05477905	40.41889954	0.488242924	0.01220445	851.7782593	0.025105048	0.108870521	7.40666E-05	0.003235184	0.001422586	3.618177414	0.00017077	0.002387746	0.001257475	0.004205862	0.007900316
2039 Nov	0.024242288	3.03957E-05	37.19866562	40.575634	0.490137905	0.012251833	855.0842896	0.02520236	0.109293394	7.4354E-05	0.003247723	0.0014281	3.632225752	0.000171433	0.002397011	0.001262346	0.004222178	0.007930935
2039 Dec	0.02425937	3.04171E-05	37.2248764	40.60422516	0.490483314	0.012260466	855.6868896	0.02522012	0.10937041	7.44064E-05	0.003250012	0.001429107	3.634785652	0.000171554	0.0023987	0.001263236	0.004225153	0.007936524
2040 Jan	0.024261709	3.04171E-05	37.22479248	40.60416031	0.490483135	0.012260431	855.6844482	0.025220063	0.109370179	7.44123E-05	0.003250004	0.001429103	3.634776592	0.000171553	0.002398693	0.001263245	0.004225151	0.007936502
2040 Feb	0.024271669	3.04181E-05	37.225811	40.60538483	0.490500599	0.012260749	855.7064209	0.025220765	0.109373294	7.44377E-05	0.003250092	0.001429143	3.634876251	0.000171558	0.002398756	0.001263329	0.004225296	0.007936702
2040 Mar	0.024309693	3.04527E-05	37.26782608	40.65133667	0.491058677	0.012274564	856.6703491	0.025249237	0.109496847	7.45484E-05	0.003253758	0.001430756	3.638978004	0.000171751	0.00240146	0.001264811	0.004230097	0.007945639
2040 Apr	0.024415331	3.05739E-05	37.41597366	40.81303787	0.493014574	0.012323339	860.0742188	0.025349617	0.109932221	7.48674E-05	0.003266691	0.001436443	3.653443336	0.000172434	0.002411004	0.001269886	0.00424694	0.007977208
2040 May	0.029072979	3.06139E-05	37.28401947	40.69858551	0.492897123	0.012268916	856.0701294	0.02525302	0.109664679	9.42545E-05	0.003254138	0.001431543	3.63992238	0.000171684	0.00240066	0.00128979	0.004263404	0.007934771
2040 Jun	0.036645763	2.92229E-05	34.92094803	38.01958466	0.462744296	0.011464232	798.8775635	0.023560094	0.103309706	0.000112317	0.003041842	0.001335185	3.405557871	0.00016068	0.002242055	0.001252315	0.004138764	0.007369434
2040 Jul	0.03109123	3.04647E-05	36.37415695	39.67815018	0.479547113	0.011964666	834.4562988	0.024657421	0.107415564	8.30293E-05	0.003182642	0.001396239	3.548589706	0.00016747	0.002342461	0.001266378	0.004275558	0.007732647
2040 Aug	0.02736811	3.01734E-05	36.41355133	39.739151	0.479692698	0.011993222	836.1891479	0.024687825	0.107243069	7.53846E-05	0.003178191	0.001398665	3.553909779	0.00016769	0.002346185	0.001239654	0.004182831	0.007755329
2040 Sep	0.027980778	2.92019E-05	35.0201416	38.23511124	0.461150169	0.01154389	803.7001953	0.023748303	0.103308655	7.10408E-05	0.003053558	0.001345121	3.417146206	0.000161188	0.002256978	0.001194676	0.004037806	0.007453565
2040 Oct	0.030866016	2.84729E-05	33.77908707	36.88477707	0.444497943	0.0111441	774.258667	0.022896836	0.100020185	6.91404E-05	0.002939929	0.001295993	3.29467535	0.000155376	0.002177282	0.001159489	0.003928867	0.007174298
2040 Nov	0.031282719	2.84937E-05	33.76327515	36.86530685	0.444243699	0.011139724	773.7650146	0.0228831	0.100015014	6.91799E-05	0.00293766	0.001295128	3.292948246	0.000155293	0.002176187	0.001159484	0.003931013	0.007168496
2040 Dec	0.031352274	2.84887E-05	33.74757385	36.84869003	0.444032222	0.011134733	773.3856201	0.022872671	0.099975877	6.91629E-05	0.002936223	0.001294523	3.291384459	0.000155218	0.002175187	0.001159088	0.003930066	0.007164945
2041 Jan	0.031448793	2.84819E-05	33.73426056	36.83527374	0.443888873	0.011130243	773.0602417	0.022863796	0.099939972	6.93387E-05	0.002935027	0.001294012	3.290071726	0.000155153	0.00217431	0.001159096	0.003929076	0.007161893
2041 Feb	0.03155081	2.84798E-05	33.72945023	36.83127213	0.443871081	0.011128427	772.9318848	0.022860629	0.099926867	6.9597E-05	0.002934591	0.001293828	3.289597988	0.000155127	0.002173967	0.001159491	0.003928844	0.007160671
2041 Mar	0.031634074	2.85037E-05	33.75637054	36.86135101	0.444250166	0.011137186	773.5390015	0.022887893	0.100007266	6.97988E-05	0.002936924	0.001294861	3.292221546	0.000155249	0.002175685	0.001160723	0.003932158	0.007166278
2041 Apr	0.031761259	2.8589E-05	33.85669327	36.9712944	0.445584655	0.011170213	775.8322754	0.022946956	0.100304842	7.00898E-05	0.002945647	0.001298709	3.302004576	0.000155709	0.002182141	0.001164347	0.003943947	0.007187513
2041 May	0.034132235	2.88447E-05	34.15184402	37.30432129	0.45050025	0.011259011	780.0839844	0.02313859	0.101183973	8.26261E-05	0.002971148	0.001310043	3.330712557	0.000157011	0.002199858	0.001188031	0.003988721	0.007242917
2041 Jun	0.036299046	2.62334E-05	30.08766937	32.77510834	0.397022605	0.009873168	668.7700806	0.020379098	0.089705765	8.30845E-05	0.002641935	0.001152336	2.930337429	0.000138323	0.001934316	0.001105809	0.003776439	0.006349438
2041 Jul	0.035998255	2.99896E-05	35.11880112	38.32549286	0.462468266	0.011549145	779.0481567	0.023818476	0.104104266	8.47514E-05	0.003064523	0.001348191	3.423969269	0.000161559	0.002260912	0.0012085	0.004159069	0.007452493
2041 Aug	0.029964196	3.04871E-05	36.40086365	39.77018738	0.47956422	0.011989703	808.9852905	0.024715908	0.107366666	7.73717E-05	0.003179326	0.001400051	3.551746368	0.000167521	0.002346195	0.001241876	0.004214066	0.007755697
2041 Sep	0.029436644	2.97571E-05	35.55184555	38.83982849	0.468174011	0.011722	789.8857422	0.024125244	0.104958363	7.24141E-05	0.003101064	0.001366261	3.468785048	0.000163588	0.002292009	0.001215709	0.00411006	0.00756912
2041 Oct	0.035336018	2.86358E-05	33.33581543	36.50350189	0.438694328	0.011012139	739.2177124	0.022664564	0.09910126	6.91232E-05	0.002904985	0.001281907	3.250086784	0.000153109	0.002151885	0.001157174	0.00393049	0.007087357
2041 Nov	0.035995994	2.84109E-05	32.95807266	36.09413147	0.433651537	0.01088968	730.5919189	0.022408416	0.098073088	6.85269E-05	0.002870913	0.001267226	3.212839603	0.00015134	0.002127592	0.001145762	0.003896823	0.007003654
2041 Dec	0.036126811	2.83982E-05	32.92442322	36.05833817	0.433199108	0.01087894	729.8085327	0.022385957	0.097987667	6.8487E-05	0.00286784	0.001265926	3.209495068	0.00015118	0.002125445	0.001144878	0.0038946	0.00699607
2042 Jan	0.036299329	2.83858E-05	32.9005661	36.03422928	0.432942688	0.01087088	729.2437744	0.022370001	0.09792316	6.88056E-05	0.002865691	0.001265007	3.207141876	0.000151064	0.002123869	0.001144893	0.003892807	0.006990585
2042 Feb	0.036476854	2.83777E-05	32.88692093	36.02154922	0.432845563	0.010865957	728.9099121	0.022360893	0.09788464	6.92627E-05	0.002864472	0.001264484	3.205804348	0.000150994	0.00212293	0.001145433	0.003891784	0.006987324
2042 Mar	0.036598049	2.83922E-05	32.90142822	36.0386734	0.433081478	0.010870526	729.2142944	0.022370849	0.097928949	6.95583E-05	0.002865718	0.001265042	3.207214355	0.000151057	0.002123834	0.001146493	0.003893823	0.006990207
2042 Apr	0.036921799	2.85978E-05	33.13838196	36.29893112	0.436226219	0.010948685	734.4561768	0.022532014	0.098634876	7.0211E-05	0.002886347	0.001274153	3.230310202	0.000152143	0.002139111	0.001155067	0.003922051	0.007040437
2042 May	0.044456176	2.86605E-05	33.08778	36.31311798	0.439201117	0.010904397	728.7119141	0.022494724	0.098514907	0.000111118	0.00288425	0.001273692	3.22508502	0.000151674	0.002132336	0.001201755	0.003958858	0.007011967
2042 Jun	0.04197615	2.64082E-05	30.24620628	32.97471619	0.401027799	0.009920233	653.3685303	0.020452831	0.090293452	0.000107081	0.002645678	0.001157397	2.945382357	0.000138882	0.001941947	0.001131044	0.003787973	0.006360222
2042 Jul	0.035964273	2.65788E-05	30.98750877	33.60173798	0.408391297	0.010166055	666.9737549	0.02085061	0.092301816	8.67037E-05	0.002697631	0.001179521	3.018148422	0.000142639	0.001987038	0.001115719	0.003812831	0.006500481
2042 Aug	0.033928614	2.68841E-05	31.71341896	34.3108139	0.417122304	0.010413264	682.291626	0.021271618	0.094310224	8.14783E-05	0.002744735	0.001203805	3.089308977	0.000146092	0.002031663	0.001112806	0.003823752	0.006639149
2042 Sep	0.033359487	2.69472E-05	31.89824486	34.47573853	0.419199169	0.010478291	686.0435791	0.021364663	0.094838388	7.91653E-05	0.002753713	0.001209186	3.107281923	0.000146978	0.00204259	0.001109634	0.003821758	0.006669401
2042 Oct	0.033199646	2.69677E-05	31.98647118	34.55421066	0.420195252	0.010509591	687.8510742	0.021407455	0.095106944	7.82156E-05	0.002758055	0.001211566	3.115911722	0.000147405	0.002047906	0.001109232	0.003820721	0.006683545
2042 Nov	0.033230256	2.69803E-05	32.00012589	34.56880188	0.420370758	0.01051416	688.1387329	0.02141637	0.095149443	7.82339E-05	0.00275916	0.001212066	3.11723423	0.000147467	0.002048778	0.001109684	0.003822379	0.006686271
2042 Dec	0.033235054	2.69812E-05	32.00061798	34.56936264	0.420377016	0.010514332	688.1484375	0.021416714	0.09515129	7.82359E-05	0.0027592	0.001212085	3.117280722	0.000147469	0.00204881	0.001109708	0.003822483	0.006686364
2043 Jan	0.033239599	2.69809E-05	32.00009537	34.56885529	0.420371592	0.010514155	688.1363525	0.021416372	0.095149904	7.8244E-05	0.002759153	0.001212065	3.117229223	0.000147467	0.002048776	0.001109712	0.003822447	0.006686245
2043 Feb	0.033244282	2.69808E-05	31.99986649	34.56866455	0.420370698	0.010514069	688.1306152	0.021416223	0.095149279	7.82558E-05	0.002759132	0.001212056	3.117206812	0.000147465	0.002048759	0.00110973	0.003822435	0.006686188
2043 Mar	0.033247981	2.69817E-05	32.00083542	34.56974411	0.420384586	0.010514382	688.151062	0.021416875	0.095152184	7.8265E-05	0.002759215	0.001212093	3.117300987	0.00014747	0.002048821	0.001109778	0.003822559	0.006686385
2043 Apr	0.033275846	2.70031E-05	32.02618408	34.59714508	0.420718223	0.010522707	688.6958618	0.021433838	0.095227577	7.83308E-05	0.002761401	0.001213053	3.11977005	0.000147587	0.002050443	0.001110665	0.003825591	0.006691678
2043 May	0.033963423	2.70574E-05	32.07792664	34.65802002	0.421659976	0.010538076	689.5111084	0.021467399	0.095390655	8.14872E-05	0.002765703	0.001215061	3.124768734	0.000147805	0.002053492	0.001115973	0.003834573	0.006700712
2043 Jun	0.039568428	2.6567E-05	31.37295723	33.91521835	0.414831012	0.010287495	669.7839355	0.020965178	0.093424097	0.000109369	0.002702274	0.00118757	3.055400372	0.000144394	0.002004909	0.001127647	0.003788845	0.006528353
2043 Jul	0.039052811	2.67992E-05	31.738554	34.27635193	0.419260502	0.010407666	676.3595581	0.021187996	0.094495401	0.000107203	0.002731053	0.001200092	3.091046333	0.000146136	0.002027709	0.001134298	0.003822876	0.006599963
2043 Aug	0.038552564	2.70235E-05	32.09861374	34.63803482	0.423688471	0.010527263	683.1845703	0.021409554	0.095537722	0.000105414	0.002758854	0.00121264	3.126193523	0.000147839	0.002050231	0.001140362	0.003851949	0.006671147
2043 Sep	0.037906308	2.71134E-05	32.29636765	34.82459259	0.425979495	0.01059389	686.5894165	0.021522375	0.09610182	0.000103138	0.002772606	0.001219021	3.145514488	0.000148792	0.002062384	0.001141048	0.003862115	0.006708251
2043 Oct	0.037854724	2.70603E-05	32.23243713	34.74489975	0.424954534	0.010574878	684.7573853	0.021470783	0.095941722	0.000101608	0.002765114	0.001215991	3.139168024	0.000148505	0.002058154	0.001136652	0.003852037	0.006691751
2043 Nov	0.037962284	2.69781E-05	32.1059761	34.60466766	0.423181951	0.010534914	681.78302	0.021382602	0.095601834	0.00010059	0.00275305	0.0012109	3.126696587	0.000147918	0.00205004	0.001131535	0.003838261	0.006663234
2043 Dec	0.037967473	2.69782E-05	32.10539246	34.6040802	0.423173964	0.010534738	681.7694702	0.021382231	0.095600627	0.000100589	0.002752995	0.001210878	3.126637936	0.000147915	0.002050004	0.001131525	0.003838253	0.006663098
2044 Jan	0.037972253	2.69781E-05	32.10500717	34.6037178	0.423170388	0.010534606	681.760376	0.021381982	0.095599644	0.000100598	0.00275296	0.001210864	3.12659955	0.000147913	0.002049978	0.001131533	0.003838234	0.006663007
2044 Feb	0.037978899	2.69793E-05	32.10628891	34.60515976	0.423189461	0.010535016	681.7867432	0.021382838	0.095603511	0.000100615	0.002753069	0.001210912	3.126724243	0.000147919	0.002050059	0.001131605	0.003838403	0.006663263
2044 Mar	0.037985519	2.6982E-05	32.10953522	34.60869217	0.423233449	0.010536075	681.8552856	0.021385005	0.095613204	0.000100632	0.002753347	0.001211034	3.127040386	0.000147934	0.002050265	0.001131734	0.003838799	0.006663932
2044 Apr	0.037997052	2.69892E-05	32.11797714	34.61781311	0.423345387	0.010538842	682.0343018	0.02139063	0.095638365	0.000100662	0.002754071	0.001211353	3.127862453	0.000147972	0.002050804	0.00113204	0.003839813	0.006665681
2044 May	0.038188383	2.70396E-05	32.14450836	34.66629028	0.423827648	0.010547922	682.6146851	0.021423243	0.095710427	0.000101381	0.002758334	0.001213224	3.130529642	0.000148072	0.002053037	0.001134763	0.003845302	0.006675859
2044 Jun	0.038122118	2.26015E-05	23.44787788	27.1484375	0.316672832	0.007716345	498.6204224	0.01709835	0.069538243	9.83584E-05	0.002206313	0.000969885	2.282728434	0.000105839	0.001547692	0.000971252	0.003176392	0.005315338
2044 Jul	0.031008141	1.55683E-05	15.12676811	18.19606018	0.204381675	0.004934282	318.4490967	0.011543821	0.0452829	8.13409E-05	0.001477458	0.000657888	1.457952857	6.70778E-05	0.001006166	0.00068302	0.002366365	0.003540716
2044 Aug	0.02552004	1.09673E-05	10.58214188	12.84572411	0.140634626	0.003391988	218.6598663	0.008100461	0.032176368	6.60622E-05	0.001024329	0.000465979	1.003738642	4.62774E-05	0.00069393	0.000490535	0.001878532	0.002440863

Appendix D.2-31: WES03

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2044 Sep	0.022655254	8.81611E-06	8.17104435	10.2152338	0.107556395	0.002581846	165.9922333	0.006414166	0.025083371	5.58895E-05	0.000805178	0.000373007	0.763709724	3.49733E-05	0.000534396	0.00039633	0.001626475	0.001912085
2044 Oct	0.021743329	8.05082E-06	7.360777855	9.301218033	0.096224338	0.002307135	148.1356812	0.00582195	0.022742432	5.42431E-05	0.000728138	0.000340282	0.682452381	3.11788E-05	0.000479614	0.000363425	0.001539688	0.001725794
2044 Nov	0.021791372	8.06729E-06	7.357517242	9.309141159	0.096230969	0.002306765	148.089325	0.005828954	0.022730106	5.42197E-05	0.000729035	0.000340662	0.682210386	3.11526E-05	0.000479794	0.000363969	0.001540171	0.001728119
2044 Dec	0.021792492	8.06754E-06	7.357691288	9.309364319	0.096233219	0.002306822	148.0926971	0.005829093	0.022730697	5.42211E-05	0.000729051	0.00034067	0.6822263	3.11533E-05	0.000479806	0.000363979	0.001540213	0.001728158
2045 Jan	0.021793159	8.06755E-06	7.357673168	9.309348106	0.096233189	0.002306815	148.0922241	0.005829079	0.022730665	5.42223E-05	0.000729049	0.000340669	0.682224572	3.11532E-05	0.000479804	0.000363981	0.001540212	0.001728152
2045 Feb	0.021793848	8.06756E-06	7.357670307	9.309350967	0.096233457	0.002306813	148.0920563	0.005829076	0.022730663	5.4224E-05	0.000729049	0.000340669	0.682224333	3.11532E-05	0.000479804	0.000363984	0.001540213	0.00172815
2045 Mar	0.021795517	8.06804E-06	7.358104706	9.309906006	0.096239306	0.002306949	148.1007538	0.00582942	0.022732008	5.42282E-05	0.000729092	0.000340689	0.682264626	3.1155E-05	0.000479832	0.000364008	0.001540305	0.001728251
2045 Apr	0.021800375	8.06976E-06	7.35967207	9.311890602	0.096259899	0.002307439	148.1322632	0.005830661	0.022736853	5.42403E-05	0.000729247	0.000340762	0.682409883	3.11616E-05	0.000479934	0.000364086	0.001540634	0.001728619
2045 May	0.02183057	8.08091E-06	7.369832039	9.324746132	0.096392833	0.002310625	148.336731	0.005838711	0.02276824	5.43154E-05	0.000730254	0.000341232	0.683351994	3.12047E-05	0.000480597	0.00036459	0.001542761	0.001731005
2045 Jun	0.022254054	8.05783E-06	6.972268581	9.067307472	0.091980614	0.002186167	140.0161285	0.005720874	0.021554288	5.44913E-05	0.000716593	0.000334179	0.645539999	2.92154E-05	0.000460888	0.000365035	0.001525565	0.001694158
2045 Jul	0.021878324	7.41677E-06	6.175184727	8.210089684	0.081336826	0.001920488	122.7126083	0.005202014	0.01925976	5.43454E-05	0.000648043	0.00030454	0.566767395	2.55285E-05	0.000409444	0.000340097	0.001453177	0.001525411
2045 Aug	0.020784285	6.55021E-06	5.414649963	7.256613255	0.070400394	0.001659911	105.8793259	0.004579107	0.017086085	5.12487E-05	0.00056538	0.000269837	0.490392685	2.21095E-05	0.000355249	0.000303715	0.001366279	0.001325297
2045 Sep	0.019809922	5.91773E-06	4.850801945	6.566153049	0.062251158	0.001465949	93.29123688	0.004116061	0.015449096	4.81004E-05	0.000505273	0.000244548	0.433546156	1.95191E-05	0.000315149	0.000276106	0.001300315	0.001180251
2045 Oct	0.019374279	5.62136E-06	4.621770859	6.260527134	0.058778491	0.001384951	88.08547211	0.003906914	0.01480669	4.78037E-05	0.000478085	0.000233109	0.410024822	1.84764E-05	0.000297866	0.000263586	0.00127221	0.001114266
2045 Nov	0.019379385	5.62277E-06	4.622897148	6.262053967	0.058792796	0.00138529	88.10686493	0.003907867	0.014810332	4.78154E-05	0.000478201	0.000233166	0.41012466	1.84809E-05	0.000297939	0.000263651	0.001272524	0.001114537
2045 Dec	0.019380586	5.62308E-06	4.623133659	6.262375832	0.058795799	0.001385362	88.11134338	0.003908067	0.014811109	4.78179E-05	0.000478225	0.000233178	0.410145611	1.84818E-05	0.000297954	0.000263665	0.001272591	0.001114593
2046 Jan	0.01938099	5.62313E-06	4.623170853	6.262428284	0.058796342	0.001385372	88.11201477	0.003908098	0.014811235	4.78187E-05	0.000478229	0.00023318	0.410148859	1.84819E-05	0.000297957	0.000263668	0.001272602	0.001114602
2046 Feb	0.019381441	5.62319E-06	4.623220444	6.262497425	0.058797084	0.001385387	88.11291504	0.00390814	0.014811396	4.78198E-05	0.000478234	0.000233182	0.41015327	1.84821E-05	0.00029796	0.000263672	0.001272616	0.001114613
2046 Mar	0.019383775	5.62384E-06	4.623744965	6.263209343	0.058803815	0.001385544	88.12290192	0.003908583	0.014813079	4.78256E-05	0.000478288	0.000233209	0.410199821	1.84842E-05	0.000297994	0.000263703	0.001272761	0.001114739
2046 Apr	0.019393316	5.62658E-06	4.626003265	6.26626873	0.058832567	0.00138622	88.16592407	0.003910493	0.014820313	4.78492E-05	0.000478522	0.000233323	0.410400152	1.84932E-05	0.000298139	0.000263832	0.001273382	0.001115283
2046 May	0.019454863	5.63869E-06	4.63300848	6.278044224	0.058943238	0.001388352	88.29708862	0.003918061	0.014842124	4.80559E-05	0.00047947	0.000233772	0.411036372	1.85186E-05	0.000298649	0.000264509	0.001275571	0.001117466
2046 Jun	0.019998757	5.70255E-06	4.485961914	6.206768036	0.057562131	0.001344108	85.1986084	0.00389714	0.014395286	4.8947E-05	0.000478088	0.000232238	0.397527188	1.7769E-05	0.000292424	0.000268468	0.001273785	0.001110777
2046 Jul	0.020149443	5.54513E-06	4.173240662	5.910071373	0.053673521	0.001242982	78.45667267	0.003732216	0.013488894	4.93334E-05	0.00045679	0.000222478	0.3672719	1.63031E-05	0.000273983	0.000262775	0.00125018	0.00105674
2046 Aug	0.019636963	5.15635E-06	3.874096394	5.506146431	0.04921408	0.001139118	71.76858521	0.003463512	0.012647087	4.78367E-05	0.000420707	0.000207536	0.33695811	1.49851E-05	0.000251639	0.000246275	0.001214047	0.000969728
2046 Sep	0.019130362	4.85932E-06	3.619330883	5.187096596	0.045476913	0.001051639	66.03307343	0.003245902	0.011904719	4.59064E-05	0.0003924	0.000195726	0.31124118	1.38162E-05	0.000233265	0.000232473	0.001181377	0.000902141
2046 Oct	0.018952662	4.7277E-06	3.506310463	5.044432163	0.043787584	0.001012588	63.4591713	0.003148102	0.011586988	4.56814E-05	0.000379661	0.000190385	0.299705774	1.32907E-05	0.000225038	0.00022644	0.001166505	0.000871738
2046 Nov	0.018973716	4.73389E-06	3.506224632	5.0476861	0.043801166	0.0010128	63.45816803	0.00315073	0.011586451	4.56753E-05	0.000379992	0.000190526	0.29972142	1.3287E-05	0.000225149	0.000226637	0.001166755	0.000872587
2046 Dec	0.018974669	4.7341E-06	3.506359816	5.047881126	0.043802842	0.001012839	63.4605751	0.003150851	0.011586918	4.5677E-05	0.000380007	0.000190534	0.299732953	1.32875E-05	0.000225158	0.000226646	0.001166801	0.00087262
2047 Jan	0.018975019	4.73413E-06	3.506374836	5.047904491	0.043803114	0.001012843	63.46080399	0.003150864	0.011586975	4.56777E-05	0.000380008	0.000190534	0.299734205	1.32876E-05	0.000225159	0.000226648	0.001166807	0.000872623
2047 Feb	0.018975476	4.73418E-06	3.506410837	5.047958851	0.043803684	0.001012853	63.46142197	0.003150896	0.011587097	4.56788E-05	0.000380012	0.000190536	0.299737334	1.32877E-05	0.000225161	0.000226651	0.00116682	0.000872631
2047 Mar	0.018978488	4.7349E-06	3.506941319	5.048723221	0.043810371	0.001013006	63.47100449	0.003151373	0.011588851	4.56861E-05	0.000380069	0.000190565	0.299782664	1.32897E-05	0.000225195	0.000226686	0.001166996	0.000872763
2047 Apr	0.018982176	4.7358E-06	3.50760746	5.049683094	0.043818731	0.001013199	63.48304367	0.003151971	0.011591053	4.5695E-05	0.000380141	0.000190601	0.299839586	1.32922E-05	0.000225238	0.00022673	0.001167218	0.000872929
2047 May	0.01915196	4.75277E-06	3.509629726	5.061090946	0.043940771	0.00101385	63.50242233	0.003159683	0.011596023	4.63933E-05	0.000381171	0.000191057	0.300075799	1.32893E-05	0.000225573	0.000228092	0.001168911	0.000875123
2047 Jun	0.020318704	4.82656E-06	3.446748972	5.065891743	0.043918766	0.000994674	62.04216766	0.003172396	0.011393928	5.14635E-05	0.000383254	0.000191731	0.294640452	1.29216E-05	0.000223565	0.000236188	0.00116963	0.00087786
2047 Jul	0.020165212	4.65558E-06	3.315491676	4.88221693	0.04192552	0.000948809	59.10968399	0.003055943	0.011046813	5.16377E-05	0.000367101	0.000185018	0.281228036	1.23574E-05	0.000213666	0.000229418	0.001156228	0.000838361
2047 Aug	0.019786496	4.4236E-06	3.154288292	4.651122093	0.039424203	0.000892206	55.48977661	0.002900825	0.010598572	5.03999E-05	0.000346177	0.000176392	0.264760345	1.16613E-05	0.000201185	0.000219354	0.001136324	0.000787946
2047 Sep	0.019383566	4.23512E-06	3.009917021	4.458707809	0.037211243	0.000842074	52.20660019	0.002766918	0.010179888	4.87911E-05	0.000328828	0.000169161	0.250069112	1.10074E-05	0.000190371	0.000210295	0.00111662	0.000746606
2047 Oct	0.019231185	4.15067E-06	2.943603992	4.370621681	0.036178958	0.000818981	50.68040085	0.002705514	0.009995051	4.85216E-05	0.000320869	0.000165817	0.243248954	1.07011E-05	0.000185396	0.000206243	0.001107161	0.000727687
2047 Nov	0.019253928	4.15726E-06	2.94336772	4.373832226	0.036191817	0.000819187	50.67494965	0.002708163	0.009994103	4.85084E-05	0.000321204	0.000165957	0.243256718	1.06968E-05	0.000185509	0.000206439	0.00110734	0.000728552
2047 Dec	0.019254705	4.1574E-06	2.943458796	4.373967648	0.036192928	0.000819213	50.67648315	0.002708247	0.009994428	4.85099E-05	0.000321213	0.000165962	0.243264213	1.06971E-05	0.000185515	0.000206446	0.001107376	0.000728574
2048 Jan	0.019255167	4.15746E-06	2.943496227	4.374024868	0.036193453	0.000819223	50.67709351	0.002708281	0.009994561	4.85109E-05	0.000321217	0.000165964	0.243267298	1.06972E-05	0.000185517	0.000206449	0.00110739	0.000728582
2048 Feb	0.019255804	4.15756E-06	2.943560839	4.37412262	0.036194351	0.000819241	50.67818069	0.00270834	0.009994782	4.85125E-05	0.000321224	0.000165968	0.243272662	1.06975E-05	0.000185521	0.000206455	0.001107415	0.000728598
2048 Mar	0.019255996	4.15758E-06	2.943572521	4.374140739	0.036194541	0.000819244	50.67836761	0.002708351	0.009994822	4.8513E-05	0.000321226	0.000165968	0.243273631	1.06975E-05	0.000185522	0.000206456	0.001107419	0.000728601
2048 Apr	0.019263178	4.15877E-06	2.944317102	4.375358582	0.036205232	0.000819452	50.69091797	0.002709106	0.009997304	4.8531E-05	0.000321316	0.000166014	0.243336275	1.07001E-05	0.000185571	0.000206525	0.001107703	0.000728805
2048 May	0.019284956	4.16331E-06	2.94748497	4.380115032	0.036244869	0.000820334	50.74533844	0.002712052	0.01000804	4.85859E-05	0.000321666	0.000166194	0.243598551	1.07115E-05	0.000185772	0.000206755	0.001108896	0.000729598
2048 Jun	0.019516261	4.21266E-06	2.905151606	4.369048595	0.035914514	0.000808554	49.82658386	0.002716388	0.009880278	4.87531E-05	0.000322964	0.000166218	0.239916816	1.04936E-05	0.000184486	0.000209133	0.001110512	0.000730966
2048 Jul	0.019609232	4.16718E-06	2.810168505	4.271783829	0.03471756	0.000777868	47.73904037	0.002664078	0.009616476	4.90019E-05	0.000316197	0.000162992	0.230758294	1.00623E-05	0.000178802	0.000207642	0.001104527	0.000713128
2048 Aug	0.019374423	4.0218E-06	2.706835032	4.124542713	0.033123039	0.000741927	45.41752625	0.002565626	0.009327595	4.81121E-05	0.000302799	0.000157508	0.220251858	9.61699E-06	0.000170864	0.000200996	0.001091111	0.000681121
2048 Sep	0.019063827	3.8803E-06	2.615234852	3.990395069	0.031649858	0.000709364	43.31313705	0.002469591	0.009065213	4.69723E-05	0.000290333	0.000152353	0.210804462	9.2103E-06	0.000163544	0.000194306	0.001077436	0.00065143
2048 Oct	0.018944481	3.81377E-06	2.571533918	3.925378799	0.030931482	0.000693796	42.29763412	0.00242296	0.008946746	4.6802E-05	0.000284273	0.000149819	0.206245065	9.01314E-06	0.000160018	0.000191137	0.001070396	0.000637018
2048 Nov	0.018962814	3.81726E-06	2.571417809	3.926597595	0.030935945	0.000693908	42.29299164	0.002423962	0.008947128	4.67952E-05	0.000284389	0.000149869	0.206245735	9.01118E-06	0.000160063	0.000191224	0.001070508	0.000637321
2048 Dec	0.01896349	3.81738E-06	2.571488142	3.926705122	0.030936783	0.000693927	42.2941246	0.002424028	0.008947387	4.67965E-05	0.000284396	0.000149873	0.206251353	9.01142E-06	0.000160068	0.000191229	0.001070539	0.000637338
2049 Jan	0.018963778	3.81741E-06	2.571501255	3.92672658	0.030937001	0.000693931	42.29431534	0.002424041	0.008947438	4.67971E-05	0.000284398	0.000149873	0.206252411	9.01147E-06	0.000160069	0.000191231	0.001070545	0.00063734
2049 Feb	0.018964043	3.81742E-06	2.571512222	3.926744699	0.030937219	0.000693934	42.29447174	0.002424051	0.008947478	4.67978E-05	0.000284399	0.000149874	0.20625332	9.0115E-06	0.000160069	0.000191233	0.001070549	0.000637343
2049 Mar	0.018965088	3.81762E-06	2.571639776	3.92694068	0.030938806	0.000693968	42.29656219	0.002424171	0.008947923	4.68003E-05	0.000284413	0.000149881	0.206263572	9.01194E-06	0.000160077	0.000191243	0.001070603	0.000637374
2049 Apr	0.018970022	3.8186E-06	2.572301149	3.927951097	0.030946787	0.000694146	42.30743408	0.002424794	0.008950223	4.68125E-05	0.000284486	0.00014992	0.20631662	9.01426E-06	0.000160118	0.000191292	0.001070878	0.000637538
2049 May	0.019006243	3.82396E-06	2.575080156	3.932888985	0.030989544	0.000694901	42.35105896	0.002427883	0.008959768	4.69305E-05	0.000284859	0.000150109	0.206546262	9.02313E-06	0.000160308	0.000191614	0.00107211	0.000638358
2049 Jun	0.019256327	3.84479E-06	2.54288435	3.908384085	0.030709052	0.000685324	41.65181732	0.002418134	0.008872899	4.73936E-05	0.000284159	0.000149372	0.2037047	8.87275E-06	0.000158824	0.000193031	0.001072222	0.000634873
2049 Jul	0.019306712	3.7877E-06	2.478483438	3.823399067	0.02980949	0.000663729	40.23759842	0.00236783	0.008705577	4.76379E-05	0.000277416	0.00014633	0.197363079	8.59889E-06	0.000154352	0.000190834	0.001066653	0.000617567
2049 Aug	0.019119876	3.6671E-06	2.413037539	3.715171576	0.028702782	0.000639577	38.74059677	0.002292629	0.008532111	4.7094E-05	0.000267089	0.000142186	0.190451965	8.32709E-06	0.000148694	0.000185769	0.001058766	0.000592659
2049 Sep	0.018875457	3.55081E-06	2.347319841	3.608561754	0.027593158	0.000615798	37.23034668	0.0022147	0.008348525	4.61763E-05	0.000256946	0.000138	0.183600157	8.0436E-06	0.000143091	0.000180242	0.001047929	0.000568466
2049 Oct	0.018785536	3.49618E-06	2.315556049	3.556361198	0.027045099	0.000604317	36.4909668	0.002176517	0.008265595	4.60443E-05	0.000251966	0.00013592	0.180249125	7.90381E-06	0.000140366	0.000177603	0.001042251	0.000556616
2049 Nov	0.018798977	3.49809E-06	2.315576553	3.556841612	0.027046947	0.000604395	36.489151	0.002176884	0.008266548	4.60426E-05	0.000252001	0.000135937	0.180253193	7.90325E-06	0.000140386	0.000177644	0.001042356	0.000556704
2049 Dec	0.018799745	3.49822E-06	2.315656185	3.556963682	0.027047871	0.000604416	36.49038315	0.002176959	0.008266842	4.60442E-05	0.00025201	0.000135942	0.180259362	7.90352E-06	0.000140391	0.000177651	0.001042393	0.000556723
2050 Jan	0.018800071	3.49826E-06	2.315678358	3.556998968	0.027048178	0.000604422	36.49071503	0.00217698	0.008266925	4.60449E-05	0.000252012	0.000135943	0.180261105	7.90359E-06	0.000140392	0.000177653	0.001042403	0.000556728
2050 Feb	0.018800287	3.49828E-06	2.315687656	3.557013988	0.027048353	0.000604424	36.49084091	0.002176988	0.008266958	4.60454E-05	0.000252013	0.000135944	0.180261835	7.90362E-06	0.000140392	0.000177654	0.001042407	0.00055673
2050 Mar	0.018800553	3.49831E-06	2.315710545	3.55704999	0.027048657	0.00060443	36.49119568	0.00217701	0.008267041	4.60461E-05	0.000252015	0.000135945	0.180263638	7.90369E-06	0.000140394	0.000177657	0.001042418	0.000556735
2050 Apr	0.018804243	3.49899E-06	2.316159964	3.55774045	0.027053926	0.000604547	36.49827576	0.002177432	0.008268646	4.60551E-05	0.000252064	0.000135971	0.180298626	7.90523E-06	0.000140421	0.000177691	0.00104262	0.000556843
2050 May	0.018825587	3.50235E-06	2.318262815	3.561037779	0.027080409	0.000605091	36.53087997	0.002179437	0.008276202	4.61152E-05	0.000252297	0.000136097	0.180463046	7.91227E-06	0.000140549	0.000177877	0.001043584	0.00055735
2050 Jun	0.019037336	3.4997E-06	2.295655727	3.531054258	0.026842324	0.000597674	36.04241943	0.002161968	0.008223523	4.66899E-05	0.00025032	0.000134985	0.178369135	7.81726E-06	0.000139052	0.000178371	0.001042972	0.000551133
2050 Jul	0.019086722	3.44362E-06	2.244174242	3.452136278	0.026088832	0.000580247	34.94015503	0.002113545	0.00809586	4.68899E-05	0.000243845	0.000132054	0.173304811	7.61116E-06	0.00013519	0.000176031	0.001037199	0.000534556
2050 Aug	0.018943565	3.35043E-06	2.19442606	3.368135214	0.025245085	0.00056195	33.81451035	0.002055226	0.007964069	4.64395E-05	0.00023583	0.000128828	0.168078661	7.40782E-06	0.000130864	0.000171998	0.00103062	0.000515283
2050 Sep	0.018892463	3.31682E-06	2.173654318	3.333910704	0.024897961	0.000554686	33.34129333	0.002030064	0.007906364	4.5896E-05	0.000232509	0.000127476	0.165948331	7.32034E-06	0.000129102	0.000170182	0.001027401	0.000507376
2050 Oct	0.018919051	3.32035E-06	2.174561262	3.335557699	0.024908785	0.000554998	33.35219955	0.002031093	0.007911146	4.59132E-05	0.00023261	0.000127534	0.166017503	7.32281E-06	0.000129169	0.000170289	0.001027957	0.000507598
2050 Nov	0.018923951	3.32119E-06	2.17509079	3.336373091	0.024914853	0.000555134	33.36027527	0.00203159	0.007913097	4.59243E-05	0.000232667	0.000127565	0.166057914	7.32458E-06	0.0001292	0.000170331	0.001028209	0.000507721
2050 Dec	0.01892459	3.3213E-06	2.17515707	3.336474419	0.024915606	0.000555151	33.36127853	0.002031652	0.007913343	4.59257E-05	0.000232674	0.000127569	0.166062951	7.3248E-06	0.000129204	0.000170337	0.001028241	0.000507736

Appendix D.2-32: F ZONE01

Constituents	**Total Dissolved Solids**	**Ammonia**	**Nitrate**	**Nitrite**	**Chloride**	**Fluoride**	**Sulphate**	**Total Cyanide**	**Weakly Acid Dissociable Cyanide**	**Silver**	**Aluminum**	**Arsenic**	**Boron**	**Barium**	**Beryllium**	**Calcium**	**Cadmium**	**Cobalt**	**Chromium**	**Copper**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	8.8	0.0078	0.0023	0.000061	2.2	0.0012	0.76	6.1E-05	6.1E-05	3.0E-07	3.6E-04	1.7E-04	4.2E-04	4.4E-03	3.0E-07	3.5E+00	1.2E-06	4.3E-05	7.3E-05	1.2E-04
Operations (2020-2043): Mean	716	1.0	1.2	0.041	387	0.15	122	5.4E-04	5.4E-04	2.9E-06	1.1E-02	2.0E-03	2.3E-01	1.5E-02	4.8E-06	3.6E+01	5.5E-05	3.6E-04	5.4E-04	3.8E-03
Operations (2020-2043): Max	1496	2.1	2.8	0.09	888	0.22	201	8.5E-04	8.5E-04	4.3E-06	1.4E-02	2.7E-03	3.7E-01	2.4E-02	5.6E-06	4.8E+01	7.8E-05	4.4E-04	7.6E-04	5.8E-03
Active Closure (2044-2050): Min	50	0.030	0.036	0.0020	18	0.033	11	5.5E-04	5.5E-04	3.0E-06	3.3E-03	3.5E-04	1.8E-02	7.9E-03	4.8E-06	8.6E+00	8.5E-06	7.3E-05	1.1E-04	9E-04
Active Closure (2044-2050): Mean	105	0.091	0.11	0.0046	42	0.048	26	9.2E-04	9.2E-04	4.6E-06	4.3E-03	5.7E-04	4.6E-02	8.8E-03	5.0E-06	1.2E+01	1.5E-05	1.1E-04	1.7E-04	1E-03
Active Closure (2044-2050): Max	472	0.50	0.62	0.022	204	0.14	123	9.7E-04	9.7E-04	4.9E-06	1.1E-02	2.1E-03	2.3E-01	1.5E-02	5.0E-06	3.6E+01	5.6E-05	3.7E-04	5.7E-04	4E-03
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***	***variable***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																				
Model Predictions (2020-2050)																				
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-32: F ZONE01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	8.794329643	0.007806269	0.002347979	6.09865E-05	2.232105255	0.00121973	0.762331009	6.09865E-05	6.09865E-05	3.04932E-07	0.00035982	0.000170762	0.000420807	0.00442152	3.04932E-07	3.506722927	1.21973E-06	4.26905E-05	7.31838E-05	0.000115874
2030 Feb	19.19044495	0.017034363	0.005123617	0.000133081	4.870762825	0.002661619	1.663511992	0.000133081	0.000133081	6.65405E-07	0.000785178	0.000372627	0.000918259	0.009648369	6.65405E-07	7.652154446	2.66162E-06	9.31567E-05	0.000159697	0.000252854
2030 Mar	23.97799683	0.021284021	0.006401835	0.000166281	6.085900307	0.003325629	2.078517914	0.000166281	0.000166281	8.31407E-07	0.00098106	0.000465588	0.001147342	0.012055404	8.31407E-07	9.561182022	3.32563E-06	0.000116397	0.000199538	0.000315935
2030 Apr	26.49676514	0.023519803	0.007074316	0.000183748	6.725193501	0.003674969	2.296855688	0.000183748	0.000183748	9.18742E-07	0.001084116	0.000514496	0.001267864	0.013321763	9.18742E-07	10.5655365	3.67497E-06	0.000128624	0.000220498	0.000349122
2030 May	32.66966248	0.03095665	0.014931028	0.000453473	9.606737137	0.004668824	3.011259079	0.000205487	0.000205487	1.02833E-06	0.001254709	0.000565825	0.002411432	0.014417631	1.03646E-06	11.54298019	4.33259E-06	0.000140788	0.000239564	0.00039452
2030 Jun	301.3917236	0.39555493	0.504687488	0.01782601	165.598877	0.055342272	38.09735107	0.000853916	0.000853916	4.33088E-06	0.008359837	0.00120874	0.074740015	0.012274091	4.88741E-06	17.38446426	3.30147E-05	0.000252022	0.000243241	0.001547014
2030 Jul	761.4345093	1.059470534	1.368831754	0.047278669	443.494812	0.130722582	101.1350174	0.000771469	0.000771469	4.02532E-06	0.009867013	0.001959175	0.188001379	0.013520917	5.55033E-06	29.82552147	4.57222E-05	0.000289526	0.000438357	0.003356673
2030 Aug	952.6682129	1.348531604	1.717217326	0.059091173	557.3004761	0.161677808	126.9749069	0.000701675	0.000701675	3.71927E-06	0.010850127	0.002214851	0.236384869	0.0146882	5.6339E-06	36.73496246	5.11949E-05	0.000362202	0.00052325	0.004008597
2030 Sep	1260.114624	1.815870523	2.293737411	0.078607336	742.0491333	0.199474722	168.774231	0.000524726	0.000524726	2.90565E-06	0.013360287	0.002527084	0.311275601	0.01444111	5.46604E-06	44.53314209	6.99978E-05	0.000423756	0.00066918	0.005101502
2030 Oct	754.5522461	1.106022716	1.342303753	0.046287253	438.3314819	0.13204065	100.5123444	0.000647679	0.000647679	3.40324E-06	0.010976772	0.001859357	0.185764492	0.014508578	4.89979E-06	31.60486794	4.69858E-05	0.000316028	0.000438337	0.003340339
2030 Nov	758.1300049	1.110621691	1.350162864	0.046543844	440.7001343	0.132038176	101.0179977	0.000634083	0.000634083	3.33623E-06	0.010894123	0.001851024	0.186660886	0.014295065	4.84165E-06	31.51512909	4.70044E-05	0.000314414	0.000438671	0.003342898
2030 Dec	755.6601563	1.107142329	1.345447659	0.046384346	439.2029419	0.131740987	100.6827621	0.000635543	0.000635543	3.34295E-06	0.010887236	0.001848623	0.186049372	0.014308299	4.84309E-06	31.46320152	4.68949E-05	0.000314048	0.000437612	0.003334825
2031 Jan	754.4078979	1.105293155	1.342963219	0.046299435	438.4222107	0.131561548	100.5092239	0.000636235	0.000636235	3.3461E-06	0.010881023	0.00184844	0.185719818	0.014352767	4.84343E-06	31.46349335	4.68388E-05	0.000314188	0.00043779	0.003331087
2031 Feb	753.8279419	1.104364157	1.341722846	0.04625636	438.0401611	0.131455496	100.42556	0.000636583	0.000636583	3.34769E-06	0.010876301	0.001849352	0.185549781	0.014408253	4.84359E-06	31.48839951	4.68134E-05	0.000314557	0.000438518	0.003329731
2031 Mar	753.6489258	1.104058623	1.341290712	0.046241298	437.9116211	0.131421611	100.3982239	0.000636889	0.000636889	3.34916E-06	0.010875703	0.001850185	0.185490862	0.014441078	4.84456E-06	31.50767899	4.6808E-05	0.000314815	0.000438994	0.003329597
2031 Apr	755.8283691	1.107226729	1.345104933	0.046372689	439.1640015	0.131800145	100.6865692	0.000638991	0.000638991	3.36014E-06	0.010908288	0.001856261	0.186018795	0.01450353	4.85978E-06	31.61406517	4.69466E-05	0.000315915	0.000440595	0.0033396
2031 May	749.0300903	1.086849332	1.325023293	0.045632172	433.1680298	0.127931878	99.39154053	0.000653767	0.000653767	3.43129E-06	0.010736988	0.001935296	0.182879731	0.01748346	4.90616E-06	33.49594879	4.72596E-05	0.000344012	0.000495361	0.003338803
2031 Jun	765.1300659	1.068970799	1.341856003	0.046072654	438.2553101	0.119348139	100.4129562	0.000705465	0.000705465	3.69119E-06	0.010520339	0.00214639	0.18380639	0.023793608	5.17881E-06	38.00375366	5.15541E-05	0.000422995	0.000638477	0.003403462
2031 Jul	1241.32373	1.759541512	2.273062468	0.077816106	732.6763916	0.189374849	166.2281494	0.000456959	0.000456959	2.56421E-06	0.011896462	0.002445571	0.305910558	0.013124235	5.10087E-06	42.10050201	6.82599E-05	0.000390659	0.000672622	0.004960747
2031 Aug	1271.335938	1.812052131	2.329108	0.079712644	751.3829956	0.196559161	170.4406738	0.000411724	0.000411724	2.34504E-06	0.011793772	0.002424175	0.314749271	0.011982268	4.94538E-06	42.68789673	6.68237E-05	0.000399549	0.000656523	0.005013174
2031 Sep	1055.67749	1.530838728	1.906698823	0.065478854	618.7967529	0.17306824	141.136795	0.000597102	0.000597102	3.21985E-06	0.012634624	0.002280907	0.260443687	0.014894539	5.34737E-06	39.66261673	6.11584E-05	0.000384541	0.000578723	0.00441104
2031 Oct	909.6676636	1.325235486	1.63689959	0.05626611	532.0628662	0.151348576	121.5367203	0.000573053	0.000573053	3.06642E-06	0.01154874	0.002027751	0.224152625	0.013967793	4.89263E-06	35.11235046	5.40801E-05	0.000342184	0.000506656	0.003861104

Appendix D.2-32: F ZONE01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2031 Nov	900.9851074	1.312701702	1.621012449	0.05572252	526.9333496	0.150014579	120.3715744	0.000570515	0.000570515	3.05177E-06	0.011462294	0.002011414	0.2220103	0.013884203	4.86025E-06	34.8194046	5.36001E-05	0.000339466	0.000502128	0.003826594
2031 Dec	897.9631958	1.308441997	1.615249157	0.055527523	525.1026611	0.149648488	119.961525	0.000572236	0.000572236	3.05967E-06	0.011453334	0.002008409	0.221262157	0.013899278	4.86169E-06	34.75492477	5.34653E-05	0.000339006	0.000500825	0.003816662
2032 Jan	896.3068237	1.306012392	1.611985087	0.055416107	524.0749512	0.149415836	119.7327728	0.000573129	0.000573129	3.06373E-06	0.011445417	0.002007923	0.220830306	0.013949848	4.86207E-06	34.74942017	5.33909E-05	0.000339119	0.000500911	0.003811621
2032 Feb	895.4987183	1.304746389	1.610293508	0.055357609	523.5510254	0.149276778	119.6175308	0.000573591	0.000573591	3.06583E-06	0.011439475	0.002008784	0.220600322	0.014013042	4.86223E-06	34.77407074	5.33551E-05	0.00033951	0.000501667	0.003809572
2032 Mar	895.2695923	1.304364681	1.609752655	0.055338826	523.3892212	0.149236217	119.5829697	0.000573974	0.000573974	3.06767E-06	0.011438916	0.002009715	0.220527187	0.014050442	4.86345E-06	34.79545975	5.33481E-05	0.000339799	0.000502191	0.003809348
2032 Apr	896.7438965	1.306486011	1.612331986	0.055427391	524.2356567	0.149480686	119.77771	0.000575214	0.000575214	3.07419E-06	0.011459071	0.002013829	0.22088106	0.014096396	4.87283E-06	34.86961746	5.34396E-05	0.000340569	0.000503382	0.003816039
2032 May	915.5050659	1.332346678	1.646638274	0.056590281	535.2714233	0.151836932	122.2741776	0.000574843	0.000574843	3.07653E-06	0.011577128	0.002049751	0.225387141	0.014423676	4.91332E-06	35.58507156	5.44464E-05	0.000347757	0.000517582	0.0038871
2032 Jun	707.6964111	0.992436051	1.267983079	0.043694012	410.610321	0.112222522	93.47903442	0.000653609	0.000653609	3.4235E-06	0.010080941	0.001708987	0.174668789	0.012506624	4.83483E-06	28.15625191	4.91615E-05	0.00031884	0.000428819	0.003002479
2032 Jul	1099.09082	1.554477572	2.010823965	0.068917602	647.8025513	0.167336285	146.8929291	0.000489457	0.000489457	2.69444E-06	0.01141997	0.002176853	0.27171126	0.011107842	4.93824E-06	37.0151329	6.3974E-05	0.000361989	0.000582092	0.004388078
2032 Aug	1173.867676	1.671641231	2.13858676	0.073305443	691.4141846	0.186935812	157.0489502	0.000522927	0.000522927	2.87751E-06	0.011696286	0.00237821	0.29104951	0.013234749	5.26411E-06	41.40515137	6.21079E-05	0.000400158	0.00061708	0.004708326
2032 Sep	1259.227417	1.815760374	2.300426483	0.078750521	743.1867065	0.195366293	168.8688049	0.000418574	0.000418574	2.37579E-06	0.012752412	0.002419157	0.310872376	0.012833666	4.94435E-06	43.11585236	6.95458E-05	0.000403796	0.000660125	0.005031536
2032 Oct	1155.820068	1.673117757	2.104124308	0.072095022	680.7519531	0.182111472	154.8939056	0.000457902	0.000457902	2.54825E-06	0.012477337	0.002298282	0.285073876	0.013160921	4.89728E-06	40.72266769	6.53587E-05	0.000384305	0.00061536	0.004689721
2032 Nov	1117.228027	1.618172646	2.03184557	0.069637492	657.6295166	0.176877543	149.6832428	0.000465059	0.000465059	2.57514E-06	0.012244578	0.002244667	0.275531739	0.013103527	4.84335E-06	39.68687439	6.346E-05	0.000375665	0.000597186	0.004551192
2032 Dec	1072.030762	1.55391705	1.946930647	0.066752791	630.4978638	0.170861349	143.5753632	0.000476453	0.000476453	2.62165E-06	0.011995197	0.002184961	0.264354885	0.013086481	4.79489E-06	38.51654053	6.12693E-05	0.00036611	0.000576205	0.004391273
2033 Jan	1066.802979	1.54630053	1.936690569	0.066403776	627.2685547	0.17014353	142.8556824	0.000479263	0.000479263	2.63443E-06	0.011971594	0.002182743	0.263004065	0.013221855	4.79614E-06	38.48197937	6.10344E-05	0.000366256	0.000576027	0.004375108
2033 Feb	1064.452881	1.542670131	1.931807041	0.066235453	625.75354	0.169760436	142.5221558	0.000480793	0.000480793	2.64146E-06	0.011957059	0.002184859	0.262345493	0.01338821	4.7976E-06	38.54178619	6.09324E-05	0.000367248	0.00057786	0.004369087
2033 Mar	1064.348877	1.54239738	1.931281805	0.066216961	625.619751	0.169739321	142.4979706	0.000482155	0.000482155	2.6482E-06	0.01196234	0.002188419	0.262276679	0.013493425	4.80369E-06	38.61680222	6.09442E-05	0.000368192	0.000579494	0.004370631
2033 Apr	1070.046143	1.55058372	1.94142735	0.066564538	628.927063	0.170645311	143.2548828	0.000485541	0.000485541	2.66637E-06	0.012030059	0.00220229	0.263655931	0.013626543	4.83315E-06	38.86854172	6.12805E-05	0.000370723	0.000583562	0.004395154
2033 May	814.0172729	1.155215144	1.434976459	0.049212184	468.7799683	0.128895506	107.4449387	0.000626504	0.000626504	3.30801E-06	0.010501849	0.00216892	0.195884705	0.023203582	4.90116E-06	39.00925827	5.12777E-05	0.000413245	0.000644551	0.003588271
2033 Jun	832.647522	1.162521482	1.471327424	0.050364606	479.3807068	0.125008851	109.6120224	0.000594859	0.000594859	3.15406E-06	0.010093146	0.00219653	0.199666888	0.024158681	4.78604E-06	39.85567856	5.32044E-05	0.000433314	0.000690905	0.003603016
2033 Jul	1244.974365	1.76146698	2.265761375	0.077482559	731.6970825	0.186456725	166.20961	0.000466002	0.000466002	2.60818E-06	0.0121358	0.002565889	0.304726094	0.017637352	5.13361E-06	45.60977936	7.01624E-05	0.000442314	0.000756172	0.005014909
2033 Aug	1496.299072	2.135236263	2.757957458	0.094220914	887.6355591	0.223227307	201.0420837	0.000275964	0.000275964	1.71914E-06	0.012739534	0.002648929	0.3698259	0.011048004	4.79966E-06	47.47162247	7.81985E-05	0.000428344	0.000758715	0.005780737
2033 Sep	868.5435181	1.268038988	1.550981283	0.053430133	505.6715088	0.149756476	115.7835007	0.000686536	0.000686536	3.62318E-06	0.012022118	0.002078052	0.214038283	0.015598794	5.35268E-06	35.4635582	5.28822E-05	0.000352828	0.000497048	0.00378821
2033 Oct	966.0718384	1.403875589	1.746455789	0.059955157	566.6185913	0.157348216	129.2288666	0.000518838	0.000518838	2.80887E-06	0.01153675	0.00206111	0.238138154	0.01331164	4.75783E-06	35.9979248	5.6324E-05	0.000346637	0.000528654	0.004028815
2033 Nov	885.074585	1.289531469	1.592362404	0.054737907	517.6234741	0.147375762	118.2454529	0.000560713	0.000560713	2.99925E-06	0.011262099	0.001976176	0.218089551	0.013643657	4.77575E-06	34.20846176	5.2657E-05	0.000333522	0.000493289	0.003759238
2033 Dec	884.1763916	1.288268566	1.590642095	0.054679766	517.0779419	0.147270009	118.123436	0.000561306	0.000561306	3.002E-06	0.011260091	0.001975366	0.217867106	0.013649508	4.77658E-06	34.19046021	5.26179E-05	0.000333401	0.00049291	0.00375635
2034 Jan	883.659668	1.287510514	1.589621663	0.054644942	516.756897	0.147197768	118.0520096	0.000561599	0.000561599	3.00334E-06	0.011257726	0.001975239	0.217732206	0.013665862	4.77677E-06	34.18918991	5.25949E-05	0.000333442	0.000492945	0.003754793
2034 Feb	883.4176636	1.287129998	1.589111209	0.054627281	516.5991211	0.147156104	118.0173798	0.000561755	0.000561755	3.00405E-06	0.011256026	0.001975542	0.217662826	0.01368606	4.7769E-06	34.19751358	5.25844E-05	0.00033357	0.000493191	0.003754204
2034 Mar	883.3742065	1.287051439	1.588992	0.054623123	516.5648193	0.147148103	118.0103302	0.000561896	0.000561896	3.00474E-06	0.011256226	0.001975905	0.217646807	0.013698432	4.77745E-06	34.20547104	5.25839E-05	0.000333674	0.000493375	0.003754258
2034 Apr	884.5567017	1.28876555	1.591095567	0.054695405	517.2512817	0.147344664	118.167572	0.000562744	0.000562744	3.00924E-06	0.011271724	0.001978812	0.217935115	0.013724206	4.78429E-06	34.25675201	5.26555E-05	0.000334189	0.000494154	0.003759419
2034 May	855.7893677	1.240512133	1.531411409	0.052630987	498.538269	0.141625479	114.0051956	0.000584497	0.000584497	3.11047E-06	0.011060911	0.002008416	0.209786981	0.015909281	4.81711E-06	35.04148102	5.17768E-05	0.000349947	0.00052225	0.00367828
2034 Jun	791.97052	1.117022157	1.399669766	0.048009135	456.4155884	0.123680718	104.4553757	0.000616945	0.000616945	3.2559E-06	0.010210474	0.002082847	0.191014424	0.021653023	4.80992E-06	37.16527557	5.08232E-05	0.000399963	0.000617258	0.003458735
2034 Jul	1069.893433	1.514288425	1.937579989	0.066379942	626.7977295	0.164847732	142.5983582	0.000539506	0.000539506	2.93534E-06	0.011406107	0.002334205	0.261959553	0.016922403	5.09429E-06	40.64404297	6.19094E-05	0.000400012	0.000657625	0.004405258
2034 Aug	1455.824829	2.075703382	2.674621105	0.091435917	861.7721558	0.219763294	195.3399353	0.000361151	0.000361151	2.1347E-06	0.012977252	0.002681023	0.35967803	0.012662468	5.12111E-06	47.76145172	7.69944E-05	0.000440439	0.000756607	0.005685288
2034 Sep	1117.459595	1.61952579	2.028249502	0.069553226	656.9785767	0.178672731	149.6281586	0.000511865	0.000511865	2.80869E-06	0.012586091	0.002292781	0.275588602	0.013868817	5.07261E-06	40.3474617	6.39106E-05	0.000384488	0.000601829	0.004586603
2034 Oct	892.0692749	1.299305439	1.605898857	0.055194151	521.8991089	0.148140654	119.1983948	0.000554543	0.000554543	2.97007E-06	0.0112651	0.001980882	0.219823375	0.013571669	4.76174E-06	34.32624435	5.29421E-05	0.000334178	0.000496075	0.003780477
2034 Nov	877.295166	1.278518677	1.57763195	0.054238539	512.9312134	0.146388724	117.1918869	0.000563961	0.000563961	3.01367E-06	0.011229435	0.001967221	0.216164708	0.013662405	4.77369E-06	34.02544403	5.22952E-05	0.000332118	0.000489811	0.003732727
2034 Dec	875.6802979	1.276248813	1.574537396	0.054133967	511.9500122	0.146199316	116.9724731	0.000565044	0.000565044	3.01871E-06	0.01122598	0.001965784	0.215764761	0.01367325	4.77527E-06	33.99335098	5.22252E-05	0.000331903	0.000489132	0.003727551
2035 Jan	874.7421875	1.274872184	1.572684765	0.054070741	511.3671875	0.146067932	116.8428192	0.000565574	0.000565574	3.02112E-06	0.011221646	0.001965554	0.215519801	0.01370302	4.7756E-06	33.99109268	5.21834E-05	0.000331978	0.000489197	0.003724723
2035 Feb	874.3173828	1.274202108	1.571783781	0.05403956	511.0892029	0.14599447	116.7818756	0.000565864	0.000565864	3.02246E-06	0.011218717	0.00196614	0.215397328	0.013740064	4.7759E-06	34.00687027	5.21651E-05	0.000332218	0.000489656	0.003723714
2035 Mar	874.1817017	1.273976445	1.571464896	0.054028485	510.9936523	0.145970419	116.7614517	0.000566084	0.000566084	3.02352E-06	0.011218349	0.001966675	0.215354189	0.013761761	4.77659E-06	34.01919937	5.21609E-05	0.000332385	0.00048996	0.003723572
2035 Apr	875.9039917	1.276470542	1.574518323	0.0541334	511.9912109	0.146257222	116.9901886	0.000567374	0.000567374	3.03034E-06	0.011241234	0.001971028	0.215772927	0.013802446	4.78681E-06	34.09624863	5.22659E-05	0.000333165	0.000491141	0.003731157
2035 May	872.6303711	1.266308069	1.563089252	0.053726554	508.5391541	0.145563841	117.0513458	0.000577153	0.000577153	3.07911E-06	0.011243271	0.002011321	0.215609938	0.015003476	4.83438E-06	34.97926331	5.26456E-05	0.000345476	0.000513977	0.003749593
2035 Jun	713.751709	0.978871107	1.239043117	0.042590056	403.0247803	0.120095499	102.2181015	0.000618767	0.000618767	3.26267E-06	0.010142314	0.001938766	0.188528866	0.017677093	4.7954E-06	33.67690277	5.11214E-05	0.000369694	0.000548255	0.00331502
2035 Jul	963.4822998	1.322629929	1.69752562	0.058274861	549.071106	0.163690478	141.2211609	0.000608665	0.000608665	3.27928E-06	0.011905699	0.00231602	0.260706544	0.01575565	5.42143E-06	39.55305099	6.37446E-05	0.000400477	0.00063048	0.00436142
2035 Aug	1166.278931	1.618222952	2.076967716	0.071089007	670.3046265	0.19889088	173.7584991	0.000376883	0.000376883	2.17661E-06	0.011840253	0.002425149	0.320846438	0.011653578	4.82931E-06	43.1397934	6.7972E-05	0.000404922	0.000665587	0.00507567
2035 Sep	840.2037964	1.193086267	1.460755587	0.050323382	476.2401733	0.157277003	124.2726974	0.00064933	0.00064933	3.45192E-06	0.012140795	0.002138093	0.229597047	0.01521922	5.31543E-06	36.74959183	5.54651E-05	0.000362088	0.000523335	0.003988757
2035 Oct	854.4926758	1.213280201	1.493321061	0.051363528	485.8432312	0.156334281	126.6496353	0.00056224	0.00056224	3.02112E-06	0.01174787	0.002076401	0.233504802	0.013961	4.92693E-06	36.07361221	5.59002E-05	0.00034994	0.000524085	0.003993951
2035 Nov	872.0342407	1.236033916	1.528517008	0.052529503	496.6813049	0.15762268	129.3805542	0.000521717	0.000521717	2.82349E-06	0.011568923	0.002065911	0.238422737	0.013365891	4.77456E-06	36.07370377	5.64197E-05	0.000347476	0.000529527	0.004035467
2035 Dec	867.9625244	1.230469346	1.520943999	0.052273516	494.2791748	0.157071203	128.7638702	0.000524281	0.000524281	2.83525E-06	0.011555255	0.002061367	0.23729755	0.013388167	4.77661E-06	35.97638321	5.62166E-05	0.00034678	0.000527566	0.004020512
2036 Jan	866.7947998	1.22880733	1.518696904	0.052196868	493.5732422	0.156889543	128.5832825	0.000524996	0.000524996	2.8385E-06	0.011549234	0.002060916	0.236957535	0.013425564	4.77697E-06	35.9702301	5.61579E-05	0.000346847	0.000527584	0.004016506
2036 Feb	866.2321167	1.227949739	1.517543077	0.052156962	493.2171326	0.15678291	128.4928436	0.000525371	0.000525371	2.84021E-06	0.011544856	0.002061504	0.236778215	0.013471937	4.77716E-06	35.98726654	5.61298E-05	0.000347126	0.000528113	0.004014864
2036 Mar	865.9328003	1.227493048	1.516927958	0.05213568	493.0274048	0.156726152	128.4446716	0.000525577	0.000525577	2.84115E-06	0.011542558	0.002061835	0.236682609	0.013497117	4.7773E-06	35.9967041	5.61149E-05	0.000347278	0.000528403	0.004014
2036 Apr	869.706604	1.232042789	1.522882581	0.052335162	494.9755554	0.157348335	129.1284485	0.000525447	0.000525447	2.84162E-06	0.011571107	0.002074447	0.237882465	0.013680794	4.78798E-06	36.26251602	5.63819E-05	0.000349997	0.000533954	0.00403496
2036 May	880.7003784	1.244943619	1.539880633	0.052905161	500.5505676	0.15918541	131.1468353	0.000527331	0.000527331	2.85435E-06	0.011669274	0.002114496	0.241429731	0.0142805	4.83072E-06	37.09073257	5.72279E-05	0.000358801	0.000551238	0.004098291
2036 Jun	686.0578613	0.920441031	1.168463469	0.040249933	378.9967041	0.127550691	108.2373047	0.000598217	0.000598217	3.17135E-06	0.010513661	0.001864643	0.200964928	0.013337725	4.80792E-06	31.61483192	5.32112E-05	0.000341676	0.00049058	0.003405506
2036 Jul	990.8114014	1.321191907	1.706806183	0.058561124	550.6351929	0.186593026	162.6689453	0.000488015	0.000488015	2.71365E-06	0.011938969	0.002398205	0.299953759	0.012227589	5.19737E-06	40.76588821	6.74977E-05	0.000379786	0.000642392	0.00486257
2036 Aug	1118.710571	1.501369953	1.932316184	0.06616082	623.3583374	0.209704041	184.682312	0.000373938	0.000373938	2.18066E-06	0.012344061	0.002554655	0.340364009	0.011808501	5.00386E-06	45.04857254	7.23133E-05	0.000412862	0.000705716	0.005391563
2036 Sep	1075.28064	1.469535351	1.842155576	0.063168041	596.6272583	0.205768809	177.1096649	0.000461195	0.000461195	2.60242E-06	0.013679951	0.002561708	0.325924158	0.013930362	5.29379E-06	45.60618973	7.36588E-05	0.000427621	0.000695971	0.005304351
2036 Oct	517.6070557	0.729768038	0.844813645	0.029389048	279.4051514	0.11689046	83.59907532	0.000717379	0.000717379	3.72244E-06	0.010597498	0.001734051	0.154902294	0.015109275	4.95302E-06	28.92676544	4.14099E-05	0.000296825	0.000384466	0.002929694
2036 Nov	676.5891113	0.93925488	1.132677794	0.039104003	370.5014954	0.140674412	110.4026489	0.000601221	0.000601221	3.18813E-06	0.011153067	0.001926661	0.203797251	0.01406128	4.84066E-06	33.08737183	5.01767E-05	0.000326174	0.000469216	0.00357573
2036 Dec	699.6803589	0.969612777	1.17462182	0.040518284	383.7575378	0.144071952	114.3010101	0.000582768	0.000582768	3.10264E-06	0.011221075	0.001953039	0.21090515	0.01388233	4.81666E-06	33.66947556	5.14315E-05	0.000330147	0.000481369	0.00366837
2037 Jan	697.6153564	0.966745317	1.170718312	0.040384952	382.5376282	0.143706933	113.9424438	0.000584222	0.000584222	3.10927E-06	0.011208878	0.001952454	0.210226968	0.013966615	4.81751E-06	33.66461945	5.13158E-05	0.00033037	0.000481588	0.003660565
2037 Feb	696.7036133	0.965354979	1.168828964	0.040319197	381.9626465	0.143501967	113.7740021	0.000585011	0.000585011	3.1129E-06	0.011200554	0.001954133	0.209887654	0.014071262	4.81828E-06	33.70985031	5.12653E-05	0.000331054	0.000482902	0.003657799
2037 Mar	696.7841187	0.965397298	1.16876781	0.040316772	381.9658813	0.143509194	113.7764969	0.000585926	0.000585926	3.11746E-06	0.011205304	0.001956669	0.209876686	0.014140012	4.8227E-06	33.76247787	5.12803E-05	0.000331701	0.000484019	0.003659324
2037 Apr	698.1809082	0.967293024	1.170998812	0.040393554	382.7081909	0.143791556	113.998497	0.000587584	0.000587584	3.1261E-06	0.011229735	0.001961909	0.210277304	0.014206619	4.83457E-06	33.85793686	5.13882E-05	0.000332713	0.000485594	0.003667288
2037 May	559.241272	0.744508326	0.895265818	0.030862736	296.0598145	0.114137217	91.48905182	0.000677561	0.000677561	3.53581E-06	0.010032712	0.002031102	0.16678223	0.02337525	4.87947E-06	36.16176987	5.48097E-05	0.000390986	0.00058924	0.003186829
2037 Jun	634.1813354	0.808806717	1.010782957	0.034678161	331.4786377	0.126645297	110.5867996	0.00059061	0.00059061	3.13454E-06	0.010163052	0.00218976	0.20156835	0.023624508	4.7822E-06	39.66896057	5.33344E-05	0.000428901	0.000682827	0.003624448
2037 Jul	949.4372559	1.224549174	1.571921587	0.053817339	508.3466797	0.191530734	171.5485229	0.000412466	0.000412466	2.35009E-06	0.012097987	0.002545319	0.314639121	0.01593842	4.96258E-06	45.3290863	7.11409E-05	0.000431634	0.000747676	0.005114014
2037 Aug	1075.168335	1.397572517	1.795012236	0.061439298	579.227356	0.220456928	196.1381378	0.000326284	0.000326284	1.96195E-06	0.012802973	0.002637713	0.361479253	0.01166553	4.96273E-06	47.29975128	7.63989E-05	0.000435928	0.000743379	0.005667184
2037 Sep	876.7806396	1.158601642	1.44448638	0.049623992	468.9519348	0.187262565	159.031662	0.00047677	0.00047677	2.64967E-06	0.012548871	0.002363568	0.293136209	0.013387259	5.06296E-06	41.75817108	6.60857E-05	0.000396083	0.00062955	0.004798856
2037 Oct	649.8469849	0.873514414	1.05222559	0.036333945	344.2874451	0.146287158	116.9645996	0.000567476	0.000567476	3.03083E-06	0.0112455	0.001968244	0.215755716	0.013714368	4.78708E-06	34.02754593	5.22538E-05	0.00033235	0.000489374	0.003729393
2037 Nov	663.2959595	0.890606344	1.075750232	0.037127651	351.7290649	0.148561075	119.4764557	0.000557729	0.000557729	2.98644E-06	0.011306915	0.001987489	0.220340371	0.01363554	4.78214E-06	34.43427277	5.30903E-05	0.000335317	0.000497443	0.0037909
2037 Dec	661.9373169	0.888899386	1.073338389	0.03704663	350.9709167	0.148346484	119.2208633	0.000559146	0.000559146	2.99308E-06	0.01130415	0.001985976	0.219874799	0.013650787	4.78473E-06	34.39915848	5.30107E-05	0.000335096	0.000496669	0.003785001
2038 Jan	660.9168091	0.88753289	1.071461558	0.036982547	350.3865051	0.148146898	119.023201	0.000559963	0.000559963	2.99681E-06	0.01129765	0.001985623	0.21950154	0.01369588	4.78528E-06	34.39552689	5.2947E-05	0.000335208	0.000496761	0.003780691
2038 Feb	660.4468994	0.886840284	1.070516825	0.036949627	350.1000366	0.148029998	118.9259491	0.000560387	0.000560387	2.99875E-06	0.011292835	0.001986429	0.21930705	0.013751267	4.78558E-06	34.41790771	5.29173E-05	0.000335557	0.00049743	0.00377901
2038 Mar	660.2856445	0.886590302	1.070155621	0.036936995	349.9942017	0.147987559	118.8900375	0.000560699	0.000560699	3.00024E-06	0.011291833	0.001987153	0.219232574	0.013783421	4.78644E-06	34.43504715	5.29087E-05	0.000335795	0.000497866	0.003778636
2038 Apr	661.465332	0.888155162	1.072010875	0.037000932	350.6079407	0.148248389	119.0985336	0.000561956	0.000561956	3.00687E-06	0.011313005	0.001991391	0.21961236	0.013828259	4.79614E-06	34.5111084	5.30057E-05	0.000336577	0.000499073	0.0037857
2038 May	626.2650146	0.827808142	0.998944402	0.03445819	327.8661804	0.139634639	113.1269302	0.000595641	0.000595641	3.16439E-06	0.010994921	0.002049243	0.207799152	0.017455749	4.85474E-06	35.98957825	5.18797E-05	0.000364181	0.000549076	0.003675016
2038 Jun	567.9985962	0.699251175	0.866933525	0.029795459	285.3664246	0.124329656	107.6807632	0.000606321	0.000606321	3.20813E-06	0.010144909	0.002161182	0.196404591	0.023418806	4.81068E-06	38.98955154	5.24389E-05	0.000423214	0.000667232	0.003551532
2038 Jul	699.4567871	0.859271169	1.091428041	0.037605774	355.9129639	0.16088526	136.3882751	0.000654214	0.000654214	3.4976E-06	0.011526768	0.002414597	0.250514537	0.019435568	5.55417E-06	41.27135086	6.04298E-05	0.000411908	0.000669888	0.004329117
2038 Aug	953.0667725	1.193083167	1.530769229	0.052407581	494.1628418	0.214136019	191.2710114	0.000294877	0.000294877	1.79684E-06	0.012373003	0.002547505	0.352443188	0.011045023	4.72432E-06	45.86891556	7.44133E-05	0.000422367	0.000722771	0.005508979
2038 Sep	758.2769775	0.972125292	1.198733091	0.041227404	389.9172363	0.177643895	151.0439911	0.000447902	0.000447902	2.49185E-06	0.012122906	0.002242067	0.27806747	0.012815407	4.78274E-06	39.70445633	6.35577E-05	0.00037506	0.000599693	0.004570497

Appendix D.2-32: F ZONE01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2038 Oct	533.7057495	0.699947536	0.819595873	0.028450413	270.2219238	0.135476395	104.7172089	0.00062199	0.00062199	3.28215E-06	0.011003449	0.001881744	0.193417296	0.014217703	4.84548E-06	32.14767456	4.82667E-05	0.000319213	0.000450809	0.003435417
2038 Nov	582.734436	0.759712577	0.902207196	0.031235715	296.3276978	0.144729406	114.823616	0.000585401	0.000585401	3.11667E-06	0.011272118	0.001961935	0.211869374	0.013945259	4.83853E-06	33.82294846	5.16662E-05	0.00033165	0.000483567	0.003685115
2038 Dec	575.9155273	0.751429439	0.890670776	0.030847233	292.6886902	0.143462911	113.4149017	0.000591089	0.000591089	3.14267E-06	0.011239496	0.001951374	0.209298685	0.013993244	4.84238E-06	33.59812164	5.12E-05	0.000330028	0.000479066	0.003650808
2039 Jan	573.2275391	0.74795258	0.885869145	0.030683074	291.2005005	0.142870545	112.835022	0.000593389	0.000593389	3.15313E-06	0.011219347	0.001950375	0.208201796	0.014128714	4.8435E-06	33.58953476	5.10122E-05	0.00033038	0.000479415	0.003638143
2039 Feb	572.0099487	0.746191502	0.88345933	0.03059865	290.4769592	0.142521396	112.5498428	0.000594565	0.000594565	3.15849E-06	0.011204331	0.001952848	0.207629278	0.014296205	4.84404E-06	33.65869522	5.09244E-05	0.000331446	0.000481489	0.003633236
2039 Mar	571.9293823	0.745992661	0.883047402	0.030583862	290.3788757	0.142476469	112.5092163	0.000595809	0.000595809	3.16461E-06	0.011207555	0.001956176	0.207529113	0.014401754	4.84926E-06	33.73048019	5.09284E-05	0.000332361	0.000483105	0.003634261
2039 Apr	573.7634277	0.748331249	0.885714948	0.030675953	291.2774048	0.142919168	112.8558578	0.000598477	0.000598477	3.1785E-06	0.011246236	0.001964505	0.208154112	0.014509323	4.86818E-06	33.88231659	5.10981E-05	0.000333977	0.000485615	0.003646792
2039 May	605.236145	0.782199025	0.932747483	0.032256961	306.3074036	0.149844721	120.3578262	0.000587653	0.000587653	3.13712E-06	0.011537837	0.002056171	0.221735761	0.015113428	4.94249E-06	35.73807144	5.39526E-05	0.00035161	0.000522775	0.003850278
2039 Jun	473.3666382	0.553871453	0.708664298	0.024622647	230.1682739	0.118388161	100.6647186	0.000622346	0.000622346	3.28006E-06	0.010250863	0.001724222	0.188252896	0.011024344	4.80831E-06	28.35549355	5.17892E-05	0.00031822	0.000432199	0.003151894
2039 Jul	632.6276245	0.746184945	0.964339852	0.033250965	311.9277344	0.159371495	137.9920044	0.000479986	0.000479986	2.63191E-06	0.010585625	0.002081683	0.254978508	0.010802206	4.73799E-06	34.94485092	5.86837E-05	0.000332379	0.000546472	0.004154639
2039 Aug	653.2872925	0.779072225	0.98010546	0.033922881	320.2765198	0.174841613	141.344696	0.000646803	0.000646803	3.46959E-06	0.011399453	0.002325175	0.262580633	0.014413581	5.60828E-06	39.28434753	5.65345E-05	0.00038353	0.000570785	0.004366191
2039 Sep	698.5855103	0.863411248	1.052618861	0.036299277	343.6484375	0.181130007	151.9191895	0.000512404	0.000512404	2.81537E-06	0.012577986	0.002318855	0.279983461	0.013850207	5.11543E-06	40.78938675	6.43022E-05	0.000389069	0.000608894	0.004640989
2039 Oct	626.5725708	0.780084491	0.940256953	0.032463957	307.6012878	0.163856581	135.9792175	0.000502691	0.000502691	2.73972E-06	0.011784268	0.002123376	0.250481308	0.013270795	4.79391E-06	37.23937225	5.87026E-05	0.000356521	0.000551457	0.00420262
2039 Nov	609.6398926	0.76065129	0.912432551	0.031531151	298.8815918	0.160494789	132.104126	0.000521425	0.000521425	2.82665E-06	0.011719879	0.002097566	0.243416682	0.013455337	4.81969E-06	36.66652298	5.74604E-05	0.000352647	0.00053942	0.004110864
2039 Dec	605.8665161	0.756309867	0.906247616	0.031323642	296.9410706	0.159738645	131.2418671	0.000525389	0.000525389	2.84498E-06	0.01170387	0.002091608	0.241844267	0.013492913	4.82442E-06	36.53603363	5.71813E-05	0.000351746	0.000536719	0.004090274
2040 Jan	603.7405396	0.753698289	0.902609646	0.031199478	295.8153381	0.15922989	130.73703	0.000527335	0.000527335	2.85382E-06	0.011686715	0.002090235	0.240894303	0.013594601	4.82515E-06	36.51662064	5.70165E-05	0.000351907	0.000536726	0.004079005
2040 Feb	602.7860718	0.752395332	0.900803387	0.031136332	295.2747192	0.15893954	130.4902496	0.000528374	0.000528374	2.85856E-06	0.0116749	0.002091859	0.240404978	0.013721471	4.82577E-06	36.56338882	5.694E-05	0.00035267	0.000538174	0.00407454
2040 Mar	602.9482422	0.752537429	0.900840521	0.031137232	295.3147278	0.158961415	130.5036469	0.000529529	0.000529529	2.86433E-06	0.011681642	0.002095088	0.240410984	0.01380541	4.83152E-06	36.6297493	5.69627E-05	0.000353479	0.000539561	0.004076709
2040 Apr	605.0551147	0.75513339	0.903873861	0.031241864	296.3246155	0.159505203	130.9475555	0.000531944	0.000531944	2.87713E-06	0.011724469	0.002103894	0.241218328	0.013898379	4.85089E-06	36.78924561	5.71659E-05	0.000355111	0.000542138	0.004091552
2040 May	566.7232666	0.694532871	0.829830527	0.028667729	273.4403992	0.148409903	122.5349884	0.000577977	0.000577977	3.0921E-06	0.011343164	0.002155529	0.224861428	0.017985655	4.92796E-06	38.14899826	5.5344E-05	0.000383759	0.000591643	0.003926135
2040 Jun	416.601532	0.461007923	0.562533617	0.019435847	187.8495941	0.107810579	92.4799118	0.000660951	0.000660951	3.45521E-06	0.009597642	0.00205574	0.168624923	0.024466652	4.82121E-06	36.82902145	4.81273E-05	0.000415197	0.000638277	0.003164023
2040 Jul	476.5273438	0.531187057	0.660193622	0.022772441	218.0307312	0.124127358	108.2666016	0.000605738	0.000605738	3.20695E-06	0.010146385	0.002111917	0.198236942	0.021573264	4.82533E-06	37.65060043	5.31383E-05	0.000411369	0.000641384	0.003526581
2040 Aug	511.6222534	0.572566748	0.715844691	0.024667036	235.5246429	0.133882731	117.3173218	0.000576954	0.000576954	3.07873E-06	0.01041275	0.002168315	0.214963868	0.020597845	4.83964E-06	38.63656998	5.56097E-05	0.000413068	0.000653372	0.003749695
2040 Sep	535.3228149	0.601870358	0.753687859	0.025958236	247.4471283	0.140881792	123.5137024	0.000553859	0.000553859	2.97402E-06	0.010595353	0.002197044	0.226523459	0.019678347	4.83264E-06	39.17008591	5.71168E-05	0.000412614	0.000656151	0.003897021
2040 Oct	536.0580444	0.604660213	0.755069256	0.026013261	247.9195862	0.14169535	123.8051682	0.000553054	0.000553054	2.97049E-06	0.010646418	0.002192057	0.227111325	0.019403225	4.83364E-06	39.04432678	5.7103E-05	0.000409823	0.000650554	0.003904558
2040 Nov	535.9490967	0.604738951	0.7548908	0.026008366	247.8714905	0.141741425	123.7845612	0.000553563	0.000553563	2.973E-06	0.010653113	0.002191679	0.22707957	0.019387057	4.83579E-06	39.03153992	5.70915E-05	0.000409596	0.000649951	0.003904429
2040 Dec	535.8512573	0.604642391	0.754735947	0.026003243	247.8235321	0.141723514	123.7602768	0.000553702	0.000553702	2.97365E-06	0.010653061	0.002191506	0.227035582	0.019387396	4.83606E-06	39.02749252	5.70835E-05	0.000409562	0.00064985	0.003903873
2041 Jan	535.7957153	0.604582548	0.754643261	0.026000101	247.7953339	0.14171055	123.7457657	0.000553771	0.000553771	2.97397E-06	0.010652756	0.002191473	0.227008313	0.019390253	4.83614E-06	39.02697372	5.70787E-05	0.000409565	0.000649842	0.003903565
2041 Feb	535.774353	0.604556024	0.754601419	0.025998637	247.7833099	0.141703606	123.739357	0.00055381	0.00055381	2.97415E-06	0.01065255	0.002191544	0.226995379	0.019394308	4.83621E-06	39.02878571	5.70767E-05	0.000409591	0.00064989	0.003903471
2041 Mar	535.8155518	0.604601085	0.754653037	0.026000401	247.801178	0.141713798	123.7480545	0.000553885	0.000553885	2.97454E-06	0.010653487	0.002191799	0.227010727	0.019398427	4.83673E-06	39.03362274	5.70813E-05	0.000409645	0.00064998	0.003903804
2041 Apr	535.9906006	0.60479784	0.754895926	0.026008764	247.8814697	0.141759694	123.7880249	0.000554085	0.000554085	2.97561E-06	0.010657035	0.002192564	0.227083683	0.019406263	4.83839E-06	39.04742432	5.71001E-05	0.000409792	0.000650215	0.003905099
2041 May	536.8751221	0.605535686	0.75576365	0.02603751	248.181778	0.142036065	124.0647583	0.000554669	0.000554669	2.97898E-06	0.010674954	0.002198243	0.227571279	0.019489177	4.84584E-06	39.16291046	5.72207E-05	0.000411006	0.000652492	0.003914102
2041 Jun	480.1221924	0.532687962	0.668165863	0.023116956	219.2271423	0.130317703	112.631813	0.000589845	0.000589845	3.13614E-06	0.010392422	0.002019666	0.207756728	0.017067308	4.83302E-06	35.16004944	5.42717E-05	0.000378883	0.000574278	0.003570846
2041 Jul	486.9795837	0.534187198	0.675439417	0.023375411	220.7896118	0.134982392	117.3543701	0.000564148	0.000564148	3.01631E-06	0.010506129	0.002001122	0.216888547	0.015161348	4.79183E-06	34.59504318	5.574E-05	0.000368394	0.000558907	0.003657939
2041 Aug	496.3199158	0.544180632	0.688571274	0.023822201	224.9776459	0.13795647	120.0547638	0.000559659	0.000559659	2.99848E-06	0.010606105	0.002027211	0.221834645	0.015107349	4.81588E-06	35.07065582	5.65234E-05	0.000371135	0.000566124	0.00373001
2041 Sep	505.81073	0.554783225	0.701895893	0.02427257	229.2280273	0.140984461	122.8683167	0.000550559	0.000550559	2.95779E-06	0.010699444	0.00204939	0.226982296	0.014985636	4.81888E-06	35.5274353	5.7308E-05	0.000373578	0.000572803	0.003802082
2041 Oct	508.841095	0.558833241	0.7057724	0.024404658	230.5022125	0.142267197	123.9030609	0.00054631	0.00054631	2.93829E-06	0.010746963	0.002056106	0.228856117	0.014904971	4.81524E-06	35.67666245	5.75512E-05	0.000373675	0.000574019	0.003829733
2041 Nov	508.7267151	0.558808565	0.705524206	0.02439687	230.4339752	0.142292559	123.8836823	0.000546798	0.000546798	2.94069E-06	0.010751683	0.002056318	0.228820592	0.014909295	4.81727E-06	35.67850876	5.75428E-05	0.000373649	0.000573847	0.003829796
2041 Dec	508.6952515	0.558781445	0.705471933	0.02439517	230.4183807	0.142287791	123.8750534	0.000546889	0.000546889	2.94113E-06	0.010751996	0.00205631	0.228804946	0.014910442	4.81757E-06	35.67792511	5.75405E-05	0.000373648	0.000573821	0.003829639
2042 Jan	508.6729431	0.558758616	0.705433607	0.024393871	230.4070435	0.142282367	123.8686752	0.00054693	0.00054693	2.94133E-06	0.010751935	0.002056321	0.228792801	0.014912369	4.81766E-06	35.67821503	5.75384E-05	0.000373655	0.000573827	0.003829521
2042 Feb	508.6611633	0.55874455	0.705411196	0.024393085	230.4006042	0.142278314	123.8649521	0.000546949	0.000546949	2.94141E-06	0.01075179	0.002056357	0.228785321	0.014914573	4.81768E-06	35.67915726	5.75372E-05	0.000373668	0.000573853	0.003829462
2042 Mar	508.6812439	0.558765948	0.705435753	0.024393927	230.4091339	0.142283499	123.8693848	0.000546988	0.000546988	2.94161E-06	0.010752274	0.002056483	0.228793189	0.014916554	4.81795E-06	35.68153	5.75396E-05	0.000373695	0.000573897	0.00382963
2042 Apr	508.9682922	0.559080899	0.705832005	0.024407625	230.5388184	0.142363563	123.9390259	0.000547306	0.000547306	2.94332E-06	0.010758375	0.002057669	0.228921622	0.014925763	4.82071E-06	35.7022171	5.75721E-05	0.000373913	0.000574232	0.0038318
2042 May	509.1539001	0.559019923	0.705542088	0.024397124	230.4897156	0.142442182	124.0099869	0.000549237	0.000549237	2.95306E-06	0.010772854	0.00206351	0.229022548	0.015064725	4.83119E-06	35.82130814	5.76353E-05	0.000375366	0.000576707	0.00383665
2042 Jun	488.2566833	0.530541599	0.670431912	0.023214605	219.0342255	0.138504714	120.3291397	0.000559433	0.000559433	2.99793E-06	0.010667937	0.002013712	0.222533926	0.014576982	4.82064E-06	34.74908829	5.66903E-05	0.000367567	0.000557009	0.003729804
2042 Jul	483.8254395	0.520966709	0.659854114	0.022859579	215.428009	0.139328092	121.0461197	0.000554689	0.000554689	2.9756E-06	0.010656993	0.00200481	0.223965988	0.014049508	4.81093E-06	34.46651077	5.67809E-05	0.000362867	0.000550488	0.003740131
2042 Aug	487.2450562	0.522388875	0.661453128	0.022912202	215.9469147	0.142285138	123.3349457	0.000543378	0.000543378	2.92297E-06	0.010637994	0.002018991	0.228175104	0.0137978	4.79391E-06	34.73388672	5.68265E-05	0.000361673	0.000552042	0.003796427
2042 Sep	487.5836182	0.522181928	0.66006577	0.02286578	215.5623932	0.143462896	124.0730209	0.000539837	0.000539837	2.9065E-06	0.010637931	0.002023336	0.229552016	0.013707376	4.78863E-06	34.83575439	5.67408E-05	0.000361281	0.000551534	0.003815051
2042 Oct	488.1735535	0.523065209	0.659916341	0.022860596	215.5536804	0.14413549	124.5643997	0.000537007	0.000537007	2.89316E-06	0.01066466	0.002026113	0.230423361	0.013670051	4.78268E-06	34.91144943	5.68318E-05	0.000361099	0.000551887	0.003828824
2042 Nov	488.2542419	0.523174107	0.659989178	0.022863382	215.5817566	0.144177169	124.5882645	0.000537335	0.000537335	2.89484E-06	0.010668985	0.002026737	0.230467528	0.013676373	4.78469E-06	34.92164993	5.68445E-05	0.0003612	0.000551996	0.003829797
2042 Dec	488.2462769	0.523169458	0.659974158	0.022862919	215.5776215	0.144176811	124.5857162	0.000537388	0.000537388	2.8951E-06	0.010669301	0.002026763	0.230462953	0.013677196	4.78491E-06	34.92189026	5.68441E-05	0.000361205	0.000551992	0.003829774
2043 Jan	488.234314	0.523157537	0.659954369	0.022862246	215.5717316	0.144173622	124.5821381	0.000537408	0.000537408	2.89519E-06	0.010669244	0.002026764	0.230456173	0.013678163	4.78494E-06	34.92196274	5.6843E-05	0.000361208	0.000551994	0.003829703
2043 Feb	488.2294617	0.523151815	0.659944892	0.022861911	215.5690765	0.144171759	124.5804443	0.000537419	0.000537419	2.89524E-06	0.010669189	0.002026785	0.230452731	0.013679313	4.78496E-06	34.92250443	5.68425E-05	0.000361215	0.000552008	0.00382968
2043 Mar	488.2387695	0.52316153	0.659955919	0.022862289	215.5729218	0.144174293	124.5825729	0.000537437	0.000537437	2.89534E-06	0.01066942	0.002026846	0.230456516	0.013680276	4.78509E-06	34.92365265	5.68436E-05	0.000361228	0.000552029	0.003829761
2043 Apr	488.515686	0.523458123	0.660329223	0.022875221	215.6950226	0.144255936	124.6530914	0.000537747	0.000537747	2.89701E-06	0.010675488	0.002028009	0.230586857	0.013688435	4.78783E-06	34.94373703	5.68759E-05	0.000361436	0.000552348	0.003831937
2043 May	488.3944397	0.523034394	0.659534574	0.022847541	215.4915314	0.144241124	124.6352234	0.000540199	0.000540199	2.90919E-06	0.01068852	0.002033812	0.230520949	0.013849848	4.79931E-06	35.06275177	5.69183E-05	0.00036299	0.000554907	0.003834908
2043 Jun	468.3328247	0.496188343	0.62327522	0.021598823	204.2291565	0.139285475	120.3042679	0.00055393	0.00055393	2.97015E-06	0.010524236	0.002028506	0.22224918	0.015044412	4.79038E-06	35.11971283	5.57023E-05	0.000367959	0.000562462	0.00373926
2043 Jul	470.6913757	0.496855825	0.624677837	0.02164847	204.6239014	0.140777335	121.6706467	0.000552936	0.000552936	2.96754E-06	0.010584743	0.002040475	0.224778324	0.014948517	4.80922E-06	35.30138397	5.61572E-05	0.000368756	0.000565001	0.003775235
2043 Aug	474.7008362	0.499942929	0.628678679	0.021784838	205.9023743	0.142655239	123.3342438	0.000550608	0.000550608	2.95874E-06	0.010648284	0.002056691	0.227841735	0.014914826	4.82617E-06	35.60122681	5.66231E-05	0.000370637	0.000569253	0.003819497
2043 Sep	476.9872437	0.501403928	0.630329609	0.021839825	206.4248199	0.144023761	124.5473328	0.000546269	0.000546269	2.93911E-06	0.010680831	0.00206534	0.23007454	0.014833637	4.82541E-06	35.78169632	5.69004E-05	0.000371391	0.000571455	0.003849929
2043 Oct	474.415863	0.498934835	0.625682056	0.021684488	204.9937897	0.143832713	124.1255493	0.000547317	0.000547317	2.94361E-06	0.010684205	0.002060804	0.229292959	0.014809302	4.82306E-06	35.6955452	5.67066E-05	0.000370135	0.000568748	0.003840736
2043 Nov	470.8692627	0.495614648	0.620063007	0.021496732	203.255249	0.143200099	123.2832489	0.000549912	0.000549912	2.9551E-06	0.010671616	0.002053139	0.227746472	0.014804094	4.82119E-06	35.54249191	5.6384E-05	0.000368539	0.000565026	0.003820734
2043 Dec	470.8356934	0.495586306	0.62001121	0.021495039	203.2396698	0.143193424	123.273468	0.000549985	0.000549985	2.95545E-06	0.010671735	0.002053099	0.22772865	0.014804908	4.82138E-06	35.54140091	5.63811E-05	0.000368532	0.000564994	0.00382053
2044 Jan	470.8215637	0.495572805	0.619987965	0.021494249	203.2328033	0.143189579	123.269043	0.000550013	0.000550013	2.95559E-06	0.010671688	0.002053106	0.227720246	0.014806218	4.82144E-06	35.54157639	5.63797E-05	0.000368537	0.000564999	0.003820447
2044 Feb	470.833374	0.495584637	0.619999528	0.021494644	203.2372437	0.143192545	123.2714767	0.000550048	0.000550048	2.95577E-06	0.010672023	0.002053213	0.227724329	0.014808344	4.82165E-06	35.54367065	5.63812E-05	0.000368562	0.000565039	0.003820561
2044 Mar	470.870636	0.495623499	0.620046496	0.021496266	203.2529755	0.143203557	123.2808838	0.000550103	0.000550103	2.95606E-06	0.010672904	0.002053406	0.22774148	0.014810465	4.82208E-06	35.5471344	5.63857E-05	0.000368599	0.000565098	0.003820874
2044 Apr	470.9715881	0.495729566	0.620178223	0.021500831	203.2963409	0.143234059	123.3071136	0.000550228	0.000550228	2.95672E-06	0.010675213	0.002053863	0.227789804	0.014814168	4.82314E-06	35.55511856	5.63978E-05	0.000368682	0.000565228	0.003821698
2044 May	471.6473694	0.496399194	0.620999098	0.021529213	203.5692749	0.143447444	123.4934845	0.000551117	0.000551117	2.96148E-06	0.010691525	0.0020573	0.228130981	0.014847044	4.83069E-06	35.6166687	5.64848E-05	0.000369335	0.000566267	0.003827653
2044 Jun	377.5273132	0.389170676	0.486754626	0.017039983	160.7178192	0.119616777	99.47906494	0.000635967	0.000635967	3.34476E-06	0.0091492	0.001701781	0.18343854	0.013349156	4.8421E-06	29.82575798	4.66422E-05	0.000317657	0.000466902	0.0032169
2044 Jul	249.4300537	0.248787075	0.311002642	0.011188201	104.8042679	0.086194277	65.03461456	0.000767491	0.000767491	3.94353E-06	0.006796661	0.001171097	0.119067974	0.011011095	4.90652E-06	21.37756157	3.17865E-05	0.000239204	0.000320079	0.002353526
2044 Aug	173.8171997	0.166525915	0.207757369	0.00775335	72.14494324	0.06609454	44.31216812	0.000848868	0.000848868	4.31481E-06	0.005441152	0.000853931	0.080446206	0.00978199	4.9546E-06	16.42157936	2.27862E-05	0.000178817	0.000238922	0.001815703

Appendix D.2-32: F ZONE01

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium	Copper
2044 Sep	139.2402039	0.128309488	0.159579992	0.006147463	57.02614212	0.056930285	34.95464706	0.000882612	0.000882612	4.46734E-06	0.004849184	0.000705484	0.063076958	0.009258998	4.96009E-06	14.2123642	1.86337E-05	0.000138433	0.000206411	0.001559911
2044 Oct	127.3614578	0.115252011	0.142966911	0.005593793	51.82824707	0.053747471	31.69783592	0.000894385	0.000894385	4.52056E-06	0.004640445	0.000653428	0.057000957	0.009089475	4.96214E-06	13.45979214	1.72109E-05	0.000124663	0.000194908	0.001475936
2044 Nov	127.4630585	0.115376726	0.143067077	0.005597165	51.86218262	0.053790379	31.73233223	0.000894319	0.000894319	4.52029E-06	0.004644503	0.000654152	0.057065923	0.009093831	4.96239E-06	13.47035027	1.72272E-05	0.000124779	0.000195038	0.001476934
2044 Dec	127.464119	0.115378506	0.143067643	0.005597197	51.86252213	0.053791117	31.73250771	0.000894334	0.000894334	4.52037E-06	0.004644623	0.000654168	0.057066262	0.009094073	4.96246E-06	13.47059059	1.72274E-05	0.000124782	0.000195041	0.001476952
2045 Jan	127.4638596	0.115378536	0.143066823	0.005597167	51.86232376	0.053791001	31.7323513	0.000894335	0.000894335	4.52037E-06	0.004644643	0.000654176	0.057065949	0.00909427	4.96246E-06	13.47071552	1.72274E-05	0.000124784	0.000195043	0.001476951
2045 Feb	127.4639664	0.115378618	0.143066496	0.005597153	51.86229324	0.053790905	31.73229408	0.000894336	0.000894336	4.52038E-06	0.004644649	0.000654183	0.057065796	0.009094494	4.96247E-06	13.47087288	1.72275E-05	0.000124786	0.000195047	0.001476953
2045 Mar	127.4680634	0.115382329	0.143070877	0.005597323	51.8639183	0.053792555	31.73327065	0.000894365	0.000894365	4.52052E-06	0.0046448	0.000654208	0.057067525	0.009094904	4.96263E-06	13.47138691	1.7228E-05	0.000124791	0.000195055	0.001477001
2045 Apr	127.4826508	0.115395531	0.143087119	0.005597957	51.86983109	0.053798668	31.73687744	0.000894467	0.000894467	4.52104E-06	0.004645331	0.000654285	0.057073995	0.009096012	4.96319E-06	13.47297478	1.723E-05	0.000124806	0.000195078	0.00147717
2045 May	127.5769196	0.115480855	0.143192858	0.005602094	51.90817261	0.053838432	31.76033401	0.000895128	0.000895128	4.52438E-06	0.004648767	0.00065477	0.057116169	0.009102768	4.96686E-06	13.48295689	1.72427E-05	0.000124899	0.000195223	0.001478262
2045 Jun	123.9918442	0.111098118	0.13778986	0.005419751	50.12200165	0.053002346	30.97268867	0.000896517	0.000896517	4.53004E-06	0.004610735	0.000645184	0.055688441	0.009015147	4.9608E-06	13.26529217	1.70169E-05	0.000125776	0.000190615	0.001458565
2045 Jul	112.4116592	0.098414719	0.121976502	0.004893519	45.03420258	0.050035611	27.88910294	0.000908936	0.000908936	4.58691E-06	0.004395038	0.000600116	0.049907118	0.008787436	4.97035E-06	12.49603081	1.57418E-05	0.000124034	0.000175599	0.001387025
2045 Aug	99.86308289	0.084877424	0.105028816	0.004330812	39.67422104	0.046695456	24.41469002	0.000923669	0.000923669	4.65461E-06	0.004164796	0.000547168	0.04342274	0.008586437	4.98384E-06	11.66611862	1.42149E-05	0.000114587	0.000161965	0.001296947
2045 Sep	91.09810638	0.075206012	0.092865437	0.003925692	35.88777161	0.044305593	21.99114799	0.000932671	0.000932671	4.6954E-06	0.00401581	0.000507983	0.038931116	0.008471272	4.98627E-06	11.107831	1.31249E-05	0.000101736	0.000154655	0.00122829
2045 Oct	87.2843399	0.07100857	0.087582417	0.003749962	34.24993896	0.043236766	20.90505219	0.000936901	0.000936901	4.71465E-06	0.003945473	0.000490108	0.036901657	0.008424424	4.98836E-06	10.86468506	1.26453E-05	0.000151239	0.000120034	
2045 Nov	87.29295349	0.071016133	0.087590709	0.003750323	34.25326538	0.043241188	20.90705872	0.000936997	0.000936997	4.71514E-06	0.003945911	0.000490163	0.036905222	0.008425351	4.98887E-06	10.86583138	1.26466E-05	0.000151255	0.000120045	
2045 Dec	87.29471588	0.071017861	0.087592274	0.003750393	34.25392151	0.043242142	20.90744972	0.000937018	0.000937018	4.71524E-06	0.003946017	0.000490176	0.036905918	0.008425574	4.98898E-06	10.86609173	1.26469E-05	0.000151258	0.0012004	
2046 Jan	87.29502869	0.071018234	0.087592423	0.003750401	34.25401688	0.043242279	20.9074955	0.000937021	0.000937021	4.71526E-06	0.003946039	0.000490181	0.036905993	0.008425673	4.989E-06	10.86617947	1.26469E-05	0.000151259	0.000120048	
2046 Feb	87.29548645	0.071018621	0.087592758	0.003750414	34.25417328	0.043242447	20.90757942	0.000937026	0.000937026	4.71528E-06	0.003946059	0.000490186	0.036906119	0.008425788	4.98902E-06	10.86628437	1.2647E-05	0.000151261	0.000120049	
2046 Mar	87.29962158	0.071021989	0.087596834	0.003750588	34.25578308	0.043244459	20.90855408	0.00093707	0.00093707	4.7155E-06	0.003946246	0.00049021	0.036907833	0.008426226	4.98926E-06	10.86682415	1.26476E-05	0.000151269	0.000120054	
2046 Apr	87.31723785	0.071036324	0.087614469	0.003751343	34.26268768	0.043253168	20.9127655	0.000937259	0.000937259	4.71645E-06	0.003947042	0.00049031	0.036915258	0.008427948	4.99026E-06	10.86903286	1.26501E-05	0.000151277	0.000120079	
2046 May	87.39804077	0.071101241	0.08769007	0.003754331	34.29139709	0.043288231	20.93460274	0.000937831	0.000937831	4.71935E-06	0.003950274	0.000490855	0.036954116	0.008436549	4.99346E-06	10.88004017	1.26626E-05	0.000151477	0.000120181	
2046 Jun	86.69119263	0.069968536	0.086276203	0.003704293	33.79328537	0.043162446	20.88317299	0.000936017	0.000936017	4.71023E-06	0.003959646	0.000492853	0.036892235	0.008425593	4.9839E-06	10.86267471	1.27304E-05	0.000150693	0.000120103	
2046 Jul	83.08229065	0.065823898	0.081146188	0.003531557	32.09990311	0.042316277	20.03866196	0.000937581	0.000937581	4.71666E-06	0.003892544	0.000480798	0.035308149	0.008326781	4.97773E-06	10.6236248	1.23962E-05	0.99517E-05	0.000145385	0.00118149
2046 Aug	77.81935883	0.060227182	0.07413251	0.003299449	29.88586617	0.040914904	18.55569077	0.000944555	0.000944555	4.74898E-06	0.003794158	0.000458433	0.032536823	0.008245826	4.98689E-06	10.2725563	1.17365E-05	0.61878E-05	0.000139558	0.001143345
2046 Sep	73.86963654	0.055889361	0.068611905	0.003115078	28.17925644	0.039833691	17.46367836	0.00094798	0.00094798	4.76419E-06	0.003728022	0.000440477	0.030520121	0.008198144	4.98471E-06	10.02458668	1.12281E-05	8.92417E-05	0.000136649	0.00111085
2046 Oct	72.12721252	0.054006077	0.066132613	0.003032158	27.41838646	0.03935105	16.97307205	0.000949358	0.000949358	4.77022E-06	0.003697531	0.000432289	0.029603837	0.008180544	4.98293E-06	9.91880703	1.10064E-05	8.61859E-05	0.000135259	0.00109797
2046 Nov	72.162323	0.05404615	0.066162989	0.003033175	27.42874908	0.039366942	16.98606873	0.000949333	0.000949333	4.77012E-06	0.003699034	0.000432563	0.029628318	0.008182224	4.98302E-06	9.92279911	1.10126E-05	8.62306E-05	0.00013531	0.001098344
2046 Dec	72.16365051	0.054047491	0.066164017	0.003033225	27.42922401	0.039367747	16.98634911	0.000949352	0.000949352	4.77021E-06	0.003699129	0.000432574	0.029628821	0.008182426	4.98312E-06	9.923023224	1.10128E-05	8.62328E-05	0.000135313	0.001098366
2047 Jan	72.16385651	0.054047782	0.066164054	0.003033228	27.42927742	0.039367832	16.98636627	0.000949354	0.000949354	4.77022E-06	0.003699148	0.000432579	0.029628839	0.008182523	4.98313E-06	9.923102379	1.10129E-05	8.62338E-05	0.000135314	0.001098369
2047 Feb	72.1643219	0.054048151	0.066164352	0.00303324	27.4294281	0.039368007	16.98644638	0.000949359	0.000949359	4.77025E-06	0.003699169	0.000432584	0.029628962	0.00818265	4.98316E-06	9.923214912	1.1013E-05	8.62351E-05	0.000135316	0.001098376
2047 Mar	72.16973114	0.054052215	0.06616924	0.003033464	27.43146896	0.039370913	16.98770332	0.000949429	0.000949429	4.7706E-06	0.003699445	0.000432618	0.029631143	0.008183302	4.98353E-06	9.923985481	1.10138E-05	8.62419E-05	0.000135327	0.001098458
2047 Apr	72.17647552	0.054057285	0.066175394	0.003033746	27.43402863	0.039374571	16.98928452	0.000949518	0.000949518	4.77105E-06	0.003699791	0.000432659	0.029633895	0.008184091	4.98399E-06	9.924929619	1.10148E-05	8.62502E-05	0.00013534	0.00109856
2047 May	72.28630066	0.054139774	0.06624157	0.003035791	27.46133995	0.039405569	17.02030945	0.000949724	0.000949724	4.77213E-06	0.003704287	0.000434031	0.02968839	0.008208237	4.9855E-06	9.949338913	1.10364E-05	8.65634E-05	0.000135817	0.001099806
2047 Jun	72.19374847	0.053801406	0.065625086	0.003011286	27.26604652	0.039373312	17.0615387	0.000948015	0.000948015	4.76365E-06	0.00370978	0.000439336	0.029748017	0.008305001	4.97764E-06	10.02981567	1.10971E-05	8.88479E-05	0.000137343	0.001102241
2047 Jul	69.73470306	0.051236056	0.062442299	0.002907118	26.23924065	0.038753025	16.3639679	0.000952454	0.000952454	4.78467E-06	0.003657589	0.000429291	0.028422078	0.008253048	4.988E-06	9.856225014	1.08058E-05	8.98477E-05	0.00013344	0.001088821
2047 Aug	66.77199554	0.048108708	0.058550142	0.00277904	25.01042366	0.037969537	15.51955128	0.000957015	0.000957015	4.80602E-06	0.003602322	0.000416359	0.026844868	0.008201466	4.99616E-06	9.652007103	1.043E-05	8.77802E-05	0.000129988	0.001067226
2047 Sep	64.42874908	0.045529645	0.055291194	0.002670376	24.00688171	0.037321679	14.86692142	0.000959086	0.000959086	4.81522E-06	0.003563698	0.000405188	0.025644397	0.008168506	4.99494E-06	9.500252724	1.01221E-05	8.30177E-05	0.000128341	0.0010471
2047 Oct	63.37752914	0.044389501	0.053795811	0.002620305	23.54953003	0.03702563	14.57001781	0.000959768	0.000959768	4.81812E-06	0.003544837	0.000399927	0.025090685	0.00815478	4.9931E-06	9.434129715	9.98559E-06	8.08639E-05	0.00012752	0.001039124
2047 Nov	63.41165161	0.044428516	0.053822622	0.002621159	23.55849838	0.037041537	14.58381081	0.000959693	0.000959693	4.81776E-06	0.003546344	0.000400213	0.025116798	0.008156247	4.99295E-06	9.438117981	9.99202E-06	8.09099E-05	0.000127571	0.00103949
2047 Dec	63.41259766	0.04442947	0.053823277	0.002621194	23.55882645	0.037042148	14.58400345	0.000959708	0.000959708	4.81784E-06	0.003546418	0.000400222	0.025117138	0.008156409	4.99303E-06	9.438290596	9.9922E-06	8.09116E-05	0.000127573	0.001039506
2048 Jan	63.41304779	0.044429906	0.053823546	0.002621207	23.55897522	0.037042376	14.5840826	0.000959715	0.000959715	4.81787E-06	0.003546449	0.000400227	0.025117265	0.008156524	4.99306E-06	9.438396454	9.99228E-06	8.09128E-05	0.000127574	0.001039513
2048 Feb	63.41381454	0.044430468	0.053824101	0.002621233	23.55923843	0.037042756	14.58423519	0.000959725	0.000959725	4.81792E-06	0.003546489	0.000400234	0.025117513	0.008156681	4.99312E-06	9.438549042	9.99239E-06	8.09143E-05	0.000127577	0.001039525
2048 Mar	63.41397858	0.044430602	0.053824194	0.002621237	23.55929184	0.037042812	14.58426094	0.000959727	0.000959727	4.81793E-06	0.003546497	0.000400236	0.02511755	0.008156734	4.99313E-06	9.438594818	9.99242E-06	8.09149E-05	0.000127578	0.001039528
2048 Apr	63.42268753	0.044436742	0.053831451	0.002621575	23.56240273	0.037047628	14.58641624	0.000959841	0.000959841	4.8185E-06	0.003546947	0.000400294	0.025121279	0.008157852	4.99373E-06	9.439909935	9.99379E-06	8.09266E-05	0.000127597	0.001039665
2048 May	63.45620728	0.044460244	0.053859819	0.00262295	23.57479477	0.037067074	14.59418678	0.00096034	0.00096034	4.82101E-06	0.003548805	0.000400507	0.025134666	0.00816217	4.99633E-06	9.44491291	9.99907E-06	8.09697E-05	0.000127665	0.001040212
2048 Jun	63.2352829	0.044065502	0.053381786	0.002605347	23.39222527	0.037030537	14.60345268	0.000958839	0.000958839	4.81355E-06	0.003555208	0.000401828	0.025173292	0.008147947	4.98924E-06	9.436380386	1.00484E-05	8.20165E-05	0.000127223	0.001039883
2048 Jul	61.91562271	0.042579588	0.051554639	0.002543828	22.77654457	0.036715385	14.28782749	0.000959415	0.000959415	4.81592E-06	0.003532053	0.000398066	0.024584547	0.008107942	4.98701E-06	9.345147133	9.94191E-06	8.35272E-05	0.000124914	0.001033662
2048 Aug	60.01823044	0.040588871	0.049072292	0.002462059	21.99214745	0.036218662	13.74771309	0.000962215	0.000962215	4.82899E-06	0.003495773	0.000389934	0.02357626	0.008074998	4.99165E-06	9.214347839	9.6951E-06	8.22716E-05	0.00012268	0.001019713
2048 Sep	58.39958954	0.038836893	0.046858896	0.002388423	21.31575394	0.035754818	13.27956676	0.000963835	0.000963835	4.83626E-06	0.003468691	0.000381927	0.022714859	0.008055365	4.99141E-06	9.108444214	9.47352E-06	7.86808E-05	0.000121623	0.001005184
2048 Oct	57.66369247	0.038049322	0.045825496	0.002353797	21.00175285	0.035538912	13.06506157	0.000964281	0.000964281	4.83812E-06	0.003454786	0.00037806	0.022314269	0.008046393	4.98983E-06	9.061440468	9.37366E-06	7.70205E-05	0.000121077	0.000999391
2048 Nov	57.67936325	0.038074773	0.045832947	0.002354038	21.00494385	0.035547998	13.07099724	0.000964265	0.000964265	4.83804E-06	0.003456078	0.000378278	0.022325914	0.008048173	4.98984E-06	9.064190865	9.37745E-06	7.70564E-05	0.000121104	0.000999579
2048 Dec	57.68009567	0.038075522	0.045833413	0.002354064	21.00519371	0.035548497	13.07114124	0.000964277	0.000964277	4.83811E-06	0.003456141	0.000378285	0.022326171	0.008048309	4.98991E-06	9.064332962	9.37759E-06	7.70578E-05	0.000121106	0.000999592
2049 Jan	57.68029404	0.038075764	0.045833476	0.002354068	21.00524712	0.035548583	13.07116413	0.00096428	0.00096428	4.83812E-06	0.003456156	0.000378289	0.022326205	0.008048384	4.98992E-06	9.064396858	9.37763E-06	7.70586E-05	0.000121107	0.000999596
2049 Feb	57.68048477	0.038075924	0.045833558	0.002354071	21.00530052	0.035548639	13.07118893	0.000964282	0.000964282	4.83813E-06	0.003456165	0.000378292	0.022326233	0.008048461	4.98993E-06	9.064459801	9.37765E-06	7.70593E-05	0.000121108	0.000999598
2049 Mar	57.68185043	0.03807684	0.045834605	0.002354124	21.00579071	0.035549439	13.07148743	0.000964304	0.000964304	4.83824E-06	0.003456246	0.000378301	0.022326736	0.008048679	4.99004E-06	9.064693451	9.37787E-06	7.70614E-05	0.000121112	0.000999622
2049 Apr	57.68873215	0.038081393	0.045840047	0.002354403	21.00829315	0.03555366	13.07304096	0.000964419	0.000964419	4.83882E-06	0.003456657	0.000378347	0.022329384	0.008049655	4.99064E-06	9.065784454	9.37899E-06	7.70708E-05	0.000121126	0.000999741
2049 May	57.72473145	0.038105208	0.045867264	0.002355692	21.02027512	0.035573658	13.08240414	0.00096488	0.00096488	4.84114E-06	0.003458594	0.000378612	0.022345666	0.008054668	4.99308E-06	9.071604729	9.3851E-06	7.71255E-05	0.000121213	0.001000318
2049 Jun	57.49316788	0.037768576	0.045443829	0.002339878	20.86007309	0.035502858	13.05847454	0.000963439	0.000963439	4.83391E-06	0.003463312	0.000379741	0.022321237	0.008048067	4.98568E-06	9.062397003	9.41934E-06	7.80197E-05	0.000120837	0.000999083
2049 Jul	56.48864365	0.036690425	0.044119149	0.002295426	20.41440582	0.035252176	12.80143452	0.000964014	0.000964014	4.83637E-06	0.003441967	0.000376444	0.021835828	0.008017015	4.98436E-06	8.989062309	9.32214E-06	7.92094E-05	0.00011899	0.000994227
2049 Aug	55.12368393	0.035277676	0.042370554	0.002238824	19.8684063	0.034894489	12.39256763	0.000967183	0.000967183	4.85151E-06	0.00341655	0.000370333	0.021068158	0.007998967	4.99306E-06	8.895241737	9.14015E-06	7.83322E-05	0.000117381	0.000984355
2049 Sep	53.93067932	0.034011785	0.040758554	0.002185178	19.37872887	0.034542412	12.03871155	0.000968335	0.000968335	4.85664E-06	0.003396593	0.000364272	0.020417627	0.007985762	4.9925E-06	8.816404343	8.97194E-06	7.54625E-05	0.000116657	0.000973178
2049 Oct	53.36197281	0.033427663	0.039977763	0.002158969	19.14289665	0.034367107	11.86504936	0.00096862	0.00096862	4.85776E-06	0.003385744	0.000361232	0.020093847	0.0079798	4.99084E-06	8.779471397	8.89182E-06	7.41109E-05	0.000116235	0.000968458
2049 Nov	53.36883545	0.033438612	0.039980527	0.002159082	19.14433289	0.03437148	11.86738205	0.000968642	0.000968642	4.85787E-06	0.003386384	0.000361332	0.020098412	0.007980816	4.99099E-06	8.780817986	8.89352E-06	7.41279E-05	0.000116249	0.000968553
2049 Dec	53.3697319	0.033439379	0.039981116	0.002159116	19.14463997	0.034372091	11.86756516	0.000968659	0.000968659	4.85796E-06	0.003386455	0.00036134	0.020098729	0.007980974	4.99107E-06	8.780984879	8.89368E-06	7.41295E-05	0.000116251	0.00096857
2050 Jan	53.37002945	0.033439659	0.039981268	0.002159124	19.14473343	0.034372251	11.86761475	0.000968663	0.000968663	4.85798E-06	0.003386477	0.000361344	0.020098809	0.007981054	4.99109E-06	8.781058311	8.89374E-06	7.41303E-05	0.000116252	0.000968575
2050 Feb	53.37019348	0.033439789	0.039981339	0.002159127	19.14478111	0.034372304	11.86763668	0.000968665	0.000968665	4.85799E-06	0.003386484	0.000361346	0.020098835	0.007981116	4.9911E-06	8.78110981	8.89376E-06	7.41309E-05	0.000116253	0.000968577
2050 Mar	53.37047958	0.033439986	0.039981529	0.002159137	19.14487839	0.03437246	11.8676939	0.000968669	0.000968669	4.85801E-06	0.003386501	0.000361349	0.020098925	0.00798118	4.99113E-06	8.781171799	8.89381E-06	7.41315E-05	0.000116254	0.000968582
2050 Apr	53.37548447	0.033443127	0.039985262	0.002159338	19.14666939	0.034375668	11.86880207	0.00096876	0.00096876	4.85846E-06	0.003386818	0.000361383	0.0201008	0.00798194	4.99159E-06	8.782002449	8.89464E-06	7.41386E-05	0.000116265	0.000968673
2050 May	53.3998909	0.033458617	0.040002756	0.002160272	19.15516853	0.03439064	11.8741293	0.000969182	0.000969182	4.86058E-06	0.003388365	0.000361569	0.020109786	0.007986021	4.99377E-06	8.786316872	8.89882E-06	7.41779E-05	0.000116326	0.000969106
2050 Jun	53.10320282	0.033149052	0.039586	0.002145124	19.0092392	0.034270633	11.78669548	0.000968476	0.000968476	4.85691E-06	0.00338827	0.000362043	0.019958252	0.007993369	4.98885E-06	8.775345802	8.89779E-06	7.48855E-05	0.000116008	0.000966769
2050 Jul	52.20174026	0.032258667	0.038490426	0.002108005	18.63757133	0.034009494	11.53016376	0.000968537	0.000968537	4.8568E-06	0.00336729	0.000358886	0.019477271	0.00796442	4.98497E-06	8.703512192	8.79939E-06	7.58314E-05	0.000114286	0.000961337
2050 Aug	51.16064072	0.031195967	0.03718096	0.002065596	18.22777367	0.033731651	11.21431065	0.000970867	0.000970867	4.8679E-06	0.003347188	0.000354182	0.018884491	0.00794944	4.99111E-06	8.629935265	8.65716E-06	7.51615E-05	0.000113027	0.000953601
2050 Sep	50.35507202	0.030359469	0.036120713	0.002030516	17.908041	0.033487335	10.96549225	0.000971865	0.000971865	4.87245E-06	0.003334183	0.000350014	0.018428519	0.007942011	4.99164E-06	8.575662613	8.53953E-06	7.31093E-05	0.000112568	0.000945588
2050 Oct	50.27950668	0.03027853	0.036008503	0.002027009	17.87665176	0.033468757	10.93991089	0.000972217	0.000972217	4.87416E-06	0.003333516	0.000349628	0.018380266	0.007943736	4.99292E-06	8.572390556	8.52896E-06	7.29022E-05	0.000112537	0.000945098
2050 Nov	50.28560257	0.030282419	0.036012787	0.002027252	17.87880516	0.033472843	10.94122601	0.000972334	0.000972334	4.87475E-06	0.003333934	0.000349672	0.018382484	0.007944723	4.99353E-06	8.573448181	8.53001E-06	7.29113E-05	0.000112551	0.000945213
2050 Dec	50.28636932	0.030282993	0.03601329	0.002027281	17.87906837	0.033473365	10.94138432	0.000972349	0.000972349	4.87483E-06	0.003333991	0.000349679	0.018382754	0.007944857	4.9936E-06	8.573589325	8.53015E-06	7.29126E-05	0.000112552	0.000945227

Appendix D.2-32: F ZONE01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	2.3E-02	6.1E-07	2.0E-01	4.9E-01	1.3E-02	1.8E-05	7.7E-01	1.6E-04	8.5E-04	2.2E-05	1.4E-05	7.9E-06	1.9E-02	1.2E-07	6.1E-06	1.3E-04	9.5E-05	2.0E-05
Operations (2020-2043): Mean	6.9E-02	2.6E-05	3.6E+00	1.5E+01	1.1E-01	2.4E-03	1.3E+02	1.3E-02	6.8E-03	1.1E-04	2.0E-03	7.5E-04	3.5E-01	1.9E-06	6.7E-04	1.3E-03	2.5E-03	4.6E-03
Operations (2020-2043): Max	1.3E-01	3.7E-05	5.3E+00	2.4E+01	1.7E-01	0.00373	3.1E+02	2.1E-02	8.9E-03	4.6E-04	3.3E-03	1.2E-03	5.2E-01	2.2E-06	1.1E-03	1.8E-03	3.2E-03	7.5E-03
Active Closure (2044-2050): Min	1.8E-02	2.4E-06	1.0E+00	2.0E+00	1.0E-02	2.2E-04	7.5E+00	1.3E-03	4.5E-03	4.6E-05	1.6E-04	8.7E-05	5.0E-02	1.9E-06	5.7E-05	1.5E-04	9.4E-04	2.9E-04
Active Closure (2044-2050): Mean	2.4E-02	5.4E-06	1.4E+00	3.8E+00	2.5E-02	5.0E-04	1.6E+01	2.9E-03	4.7E-03	6.0E-05	4.1E-04	1.8E-04	8.9E-02	2.0E-06	1.4E-04	3.1E-04	1.2E-03	8.5E-04
Active Closure (2044-2050): Max	7.3E-02	2.6E-05	3.7E+00	1.6E+01	1.2E-01	2.3E-03	7.0E+01	1.3E-02	6.4E-03	1.6E-04	2.1E-03	7.7E-04	3.5E-01	2.0E-06	6.7E-04	1.4E-03	2.7E-03	4.6E-03
Water quality guideline for the protection of aquatic life	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than ap																		
Model Predictions (2020-2050)																		
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-32: F ZONE01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0.023174863	6.09865E-07	0.20369485	0.492770821	0.012502229	1.7991E-05	0.765380323	0.000158565	0.000853811	5.83031E-05	1.40269E-05	7.92824E-06	0.018966796	1.21973E-07	6.09865E-06	0.000128072	9.45291E-05	0
2030 Feb	0.05057076	1.33081E-06	0.444490373	1.075294137	0.027281595	3.92589E-05	1.670165896	0.00034601	0.001863133	0.000127225	3.06086E-05	1.73005E-05	0.041388176	2.66162E-07	1.33081E-05	0.00027947	0.000206275	0
2030 Mar	0.063186944	1.66281E-06	0.555379927	1.343553901	0.034087691	4.9053E-05	2.086832047	0.000432332	0.00232794	0.000158965	3.82447E-05	2.16166E-05	0.051713523	3.32563E-07	1.66281E-05	0.000349191	0.000257736	0
2030 Apr	0.069824412	1.83748E-06	0.613719821	1.484687567	0.037668433	5.42058E-05	2.306043148	0.000477746	0.002572478	0.000175664	4.22621E-05	2.38873E-05	0.057145767	3.67497E-07	1.83748E-05	0.000385872	0.00028481	0
2030 May	0.075706519	2.14414E-06	0.679456472	1.666692853	0.041023701	6.86203E-05	3.302958012	0.000577089	0.002840583	0.000196503	5.60715E-05	2.99166E-05	0.063093439	4.14475E-07	2.2915E-05	0.000423294	0.000330606	1.98389E-05
2030 Jun	0.080443047	1.46491E-05	1.70692873	5.444186687	0.047747884	0.000746184	57.52649307	0.004713179	0.008107089	0.000132035	0.000799322	0.00026001	0.13810496	1.94749E-06	0.000233662	0.00079228	0.002302311	0.001357767
2030 Jul	0.0770365	2.44573E-05	3.17230773	12.72576332	0.09199138	0.001930171	153.4922943	0.011204461	0.007774943	9.10993E-05	0.001736148	0.000633981	0.288808197	2.19965E-06	0.00055862	0.001057723	0.002539665	0.003720576
2030 Aug	0.062291123	2.8037E-05	3.847193003	15.76036358	0.111106612	0.002537476	192.3650665	0.013836218	0.007090196	3.88237E-05	0.002094969	0.000790297	0.35652101	2.22785E-06	0.000694233	0.001177891	0.002582632	0.00467116
2030 Sep	0.057138227	3.3357E-05	4.74105978	20.59901619	0.144407198	0.003303859	255.8962402	0.018104656	0.006936642	2.75845E-05	0.002784425	0.001031893	0.454032093	2.15203E-06	0.000914565	0.001588114	0.002982273	0.006246609
2030 Oct	0.067617007	2.2907E-05	3.159608603	12.69023514	0.087626062	0.002141702	151.0801239	0.010923316	0.00826214	2.28547E-05	0.001634267	0.00061546	0.291412264	1.93982E-06	0.00056667	0.001007652	0.002119831	0.003651166
2030 Nov	0.066383086	2.28683E-05	3.158623695	12.73369598	0.087979183	0.002144251	151.8994598	0.010970552	0.008111164	2.26593E-05	0.001643594	0.000618404	0.291841894	1.91644E-06	0.000568513	0.001010208	0.00211312	0.003672781
2030 Dec	0.066496581	2.2825E-05	3.151711464	12.69575596	0.087705724	0.002138879	151.3827667	0.010935773	0.008125084	2.26499E-05	0.001637905	0.000616383	0.291092724	1.91709E-06	0.000566841	0.001007391	0.002109781	0.003659904
2031 Jan	0.066750087	2.28011E-05	3.149494171	12.67982674	0.087696977	0.00213577	151.1134338	0.010918317	0.008133267	2.33022E-05	0.001635026	0.000615368	0.290854394	1.91726E-06	0.000565953	0.001007215	0.002108225	0.003653056
2031 Feb	0.067048974	2.2789E-05	3.149683714	12.67547226	0.087809063	0.00213402	150.9816895	0.010910413	0.008138883	2.41917E-05	0.00163369	0.000614907	0.290874362	1.91735E-06	0.00056551	0.00100826	0.002107698	0.003649582
2031 Mar	0.067223877	2.27865E-05	3.150358677	12.67540264	0.087886021	0.002133455	150.9373474	0.01090809	0.008143418	2.46804E-05	0.001633259	0.000614768	0.29093802	1.91774E-06	0.000565371	0.001009012	0.002107794	0.003648353
2031 Apr	0.067527205	2.2854E-05	3.160281181	12.71373558	0.088196009	0.002139591	151.368988	0.010939786	0.008170659	2.5034E-05	0.001637958	0.000616549	0.291855127	1.92377E-06	0.000567004	0.001012496	0.002114229	0.003658696
2031 May	0.084327213	2.27299E-05	3.246983767	12.86665249	0.09834601	0.002075383	149.3416748	0.01087484	0.008326398	0.000131222	0.001635197	0.000617573	0.300816983	1.94266E-06	0.000558478	0.001125478	0.002188917	0.003598273
2031 Jun	0.123890303	2.33868E-05	3.535765886	13.67906857	0.12765564	0.001919204	151.3255463	0.011228647	0.008419964	0.000402238	0.001749051	0.000649559	0.329728425	2.05154E-06	0.000556586	0.001500601	0.002653359	0.003629375
2031 Jul	0.059754498	3.24189E-05	4.589129925	20.26830101	0.148008585	0.003076911	252.9949799	0.017892174	0.005649221	0.000104514	0.002801287	0.001023032	0.44287619	2.00628E-06	0.00088959	0.001636061	0.003044624	0.006188732
2031 Aug	0.042520765	3.26656E-05	4.658700466	20.61333275	0.145584971	0.003237967	259.2316284	0.018261347	0.004949504	3.05644E-05	0.002828083	0.00104585	0.449610412	1.94323E-06	0.000911326	0.001559069	0.002899185	0.006344073
2031 Sep	0.063902535	2.93285E-05	4.123670578	17.42768669	0.121511251	0.002846678	213.3518524	0.015205069	0.007788875	2.60277E-05	0.002316821	0.000863095	0.389671654	2.11038E-06	0.000775449	0.001358716	0.002655948	0.005190541
2031 Oct	0.062094048	2.578E-05	3.610073328	15.0902729	0.104863934	0.002486946	183.423645	0.013112207	0.007584304	2.37615E-05	0.001989918	0.000742337	0.339440167	1.93253E-06	0.000672601	0.001186857	0.002346674	0.004455444

Appendix D.2-32: F ZONE01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2031 Nov	0.061775573	2.55599E-05	3.578425169	14.94918537	0.103873976	0.00246455	181.6547546	0.012987854	0.00754546	2.35882E-05	0.001970646	0.000735246	0.336367935	1.91981E-06	0.00066633	0.001175924	0.002327224	0.004412161
2031 Dec	0.061908264	2.55063E-05	3.569905519	14.90269852	0.103539146	0.002457947	181.022995	0.012945283	0.007561738	2.35754E-05	0.001963692	0.000732774	0.33544758	1.92047E-06	0.00066428	0.001172469	0.002323073	0.004396423
2032 Jan	0.062200598	2.54748E-05	3.566679239	14.88092232	0.103500918	0.0024539	180.6684418	0.01292215	0.007571973	2.43034E-05	0.001959886	0.00073143	0.335101634	1.92068E-06	0.000663113	0.001171976	0.002320955	0.004387438
2032 Feb	0.062543549	2.54582E-05	3.566446781	14.87363815	0.103610732	0.00245158	180.4877319	0.012911061	0.007578932	2.53083E-05	0.001958027	0.000730784	0.335076779	1.92077E-06	0.000662508	0.001172981	0.002320131	0.004382722
2032 Mar	0.062743396	2.54551E-05	3.56714797	14.87314987	0.103694104	0.002450894	180.4319153	0.012908061	0.007584449	2.58573E-05	0.001957476	0.000730604	0.335141003	1.92126E-06	0.000662334	0.001173796	0.002320224	0.004381188
2032 Apr	0.062966876	2.54989E-05	3.573920727	14.8994894	0.103926033	0.002454898	180.7236938	0.012929488	0.00760109	2.6209E-05	0.001960672	0.000731811	0.335776418	1.92498E-06	0.000663423	0.00117635	0.002324427	0.004388174
2032 May	0.064484812	2.5914E-05	3.645196676	15.22041607	0.107008502	0.002495815	184.5341034	0.013199054	0.007617718	3.58271E-05	0.002004086	0.000747721	0.343007207	1.94066E-06	0.000676279	0.001209766	0.00236698	0.004481235
2032 Jun	0.06881234	2.20306E-05	2.942245483	11.84492111	0.090907283	0.001774933	141.8824463	0.010383238	0.006984755	0.000111846	0.001661546	0.00058805	0.269695491	1.91498E-06	0.000518302	0.001170337	0.002599119	0.003443232
2032 Jul	0.053142313	2.95287E-05	4.080512047	17.87569427	0.129046947	0.002714206	223.7224731	0.015887277	0.00565121	6.89945E-05	0.002514225	0.000905259	0.390080869	1.94516E-06	0.000789939	0.001497968	0.002973277	0.005474252
2032 Aug	0.048344538	3.1431E-05	4.442800999	19.14578247	0.135025978	0.003049297	238.5144348	0.016908469	0.005755085	2.65863E-05	0.002597362	0.000968173	0.422992706	2.07359E-06	0.000845852	0.001441286	0.002821179	0.005822601
2032 Sep	0.049293023	3.23852E-05	4.637641907	20.49773026	0.143824115	0.003263657	256.2869263	0.018054819	0.006000069	2.57769E-05	0.002791059	0.001029584	0.448123246	1.94324E-06	0.000910517	0.001583946	0.002872482	0.006266556
2032 Oct	0.053589273	3.03684E-05	4.328031063	18.90175247	0.132232696	0.003036094	234.7310028	0.016586822	0.006540012	2.52528E-05	0.002554016	0.00094371	0.415833205	1.92737E-06	0.000840826	0.001471433	0.002709967	0.005730969
2032 Nov	0.053913798	2.95527E-05	4.205033779	18.29332733	0.127900749	0.002945059	226.7540436	0.01603906	0.006580387	2.48219E-05	0.002466603	0.000912149	0.403235257	1.90688E-06	0.000813907	0.001425402	0.002642047	0.005533794
2032 Dec	0.054565419	2.8624E-05	4.063865662	17.58370209	0.122838989	0.002839775	217.3935242	0.015398407	0.006660814	2.43704E-05	0.00236395	0.00087519	0.388651282	1.88877E-06	0.000782524	0.001371846	0.002565537	0.005302107
2033 Jan	0.055362113	2.85255E-05	4.052842617	17.51286888	0.122637123	0.002827223	216.2793427	0.015325275	0.00669197	2.62572E-05	0.002351936	0.000870941	0.387468874	1.88942E-06	0.000778861	0.001369505	0.002558727	0.005273961
2033 Feb	0.056269955	2.84796E-05	4.051633358	17.49008179	0.122887857	0.002820754	215.7567749	0.015292975	0.006713429	2.88323E-05	0.002346512	0.000869057	0.387330264	1.89008E-06	0.00077713	0.001371781	0.002556419	0.005260372
2033 Mar	0.056825623	2.84861E-05	4.055443764	17.49697876	0.123159684	0.002820347	215.710556	0.015292277	0.006732501	3.02643E-05	0.002346151	0.00086899	0.387681991	1.89253E-06	0.000777047	0.001374532	0.002557983	0.005258784
2033 Apr	0.05745057	2.86438E-05	4.079555511	17.59555626	0.123981185	0.002835368	216.8508453	0.01537459	0.006779815	3.12465E-05	0.002358633	0.000873652	0.389979899	1.90416E-06	0.000781201	0.001383538	0.002572712	0.00528632
2033 May	0.115285724	2.37559E-05	3.642740011	14.40077496	0.128630534	0.002107637	161.720459	0.01185157	0.008081941	0.000354245	0.001812711	0.000684473	0.343326718	1.93907E-06	0.000593638	0.001453486	0.002440328	0.003886854
2033 Jun	0.12304002	2.38657E-05	3.723588467	14.80642605	0.13978976	0.002044364	165.4947357	0.012155506	0.00744227	0.000447946	0.001897253	0.00070694	0.353286028	1.8925E-06	0.000598691	0.001601313	0.002622341	0.00398158
2033 Jul	0.082117125	3.2386E-05	4.764980316	20.70859909	0.162867174	0.00306811	252.5848389	0.017956829	0.006116732	0.000237171	0.002812039	0.001032457	0.46109432	2.01953E-06	0.000890156	0.00180863	0.003124769	0.006161325
2033 Aug	0.036809325	3.65798E-05	5.282983303	24.104105	0.170825854	0.0037272	306.2624207	0.021422347	0.004094594	3.99885E-05	0.003348677	0.001227421	0.518239796	1.87849E-06	0.001066167	0.0018386	0.00320724	0.007515596
2033 Sep	0.071196206	2.58531E-05	3.579940319	14.53789139	0.100686699	0.002433073	174.3104095	0.012561626	0.008689327	2.50412E-05	0.001887411	0.000709464	0.331835449	2.11785E-06	0.000648251	0.001146049	0.002381332	0.004219488
2033 Oct	0.057550885	2.65855E-05	3.747929811	15.93575668	0.111031152	0.002600084	195.3522949	0.01390078	0.007027664	2.35967E-05	0.00212181	0.000788522	0.35535562	1.87696E-06	0.000709741	0.001248361	0.002401932	0.004754906
2033 Nov	0.060710229	2.51109E-05	3.515495777	14.68547249	0.102040678	0.002421154	178.4452209	0.012758574	0.007415342	2.31766E-05	0.001935821	0.000722262	0.33044365	1.88644E-06	0.000654578	0.001155195	0.002286402	0.004334175
2033 Dec	0.060757235	2.50957E-05	3.513040781	14.67173672	0.101941466	0.002419228	178.2569427	0.012745944	0.007421105	2.31743E-05	0.001933746	0.000721527	0.330174685	1.8868E-06	0.000653972	0.001154179	0.0028525	0.004329477
2034 Jan	0.060851518	2.5086E-05	3.512059689	14.66498661	0.10193067	0.00241797	178.1461792	0.012738733	0.007424486	2.34072E-05	0.001932557	0.000721108	0.330068827	1.88689E-06	0.000653609	0.001154038	0.002284606	0.004326667
2034 Feb	0.060960926	2.50811E-05	3.512040615	14.6629076	0.10196694	0.002417273	178.0917664	0.012735423	0.007426809	2.37251E-05	0.001931999	0.000720915	0.330066055	1.88695E-06	0.000653427	0.001154373	0.002284381	0.004325242
2034 Mar	0.061026629	2.5081E-05	3.512381554	14.66324139	0.101996884	0.002417136	178.0799255	0.012734892	0.007428818	2.39007E-05	0.001931888	0.000720882	0.330097556	1.88717E-06	0.000653394	0.001154671	0.002284487	0.004324898
2034 Apr	0.061147489	2.51152E-05	3.517375946	14.68347168	0.102153353	0.002420361	178.3165588	0.012751995	0.007440116	2.40335E-05	0.001934465	0.000721848	0.330566645	1.88988E-06	0.000654268	0.001156419	0.00228767	0.004330613
2034 May	0.07384599	2.45817E-05	3.50882411	14.42047119	0.106654905	0.002321654	171.8887024	0.012367833	0.007652874	9.87264E-05	0.001877546	0.000702951	0.329465002	1.90392E-06	0.000631874	0.001208434	0.002304987	0.00416372
2034 Jun	0.109439217	2.32306E-05	3.514895678	13.93825245	0.124417	0.002013012	157.5204163	0.011552522	0.007677223	0.000342119	0.001787713	0.000667008	0.330678582	1.9031E-06	0.000575719	0.001433228	0.002483536	0.003791375
2034 Jul	0.081779458	2.90976E-05	4.206079483	17.89128685	0.139855072	0.002676115	216.4052582	0.015481866	0.006662536	0.0002031	0.002413963	0.000887667	0.40198037	2.00872E-06	0.000770568	0.00157022	0.002858834	0.005267235
2034 Aug	0.045804616	3.63984E-05	5.244779587	23.57483864	0.168652534	0.003650851	297.3393555	0.020878864	0.004866367	5.97027E-05	0.003255082	0.001196344	0.511028945	2.00834E-06	0.001039954	0.001821847	0.003241082	0.007285981
2034 Sep	0.057965577	2.99735E-05	4.250519276	18.34107208	0.128116265	0.002965473	226.5242767	0.016056368	0.007072923	2.56478E-05	0.002462893	0.000912532	0.40592286	1.99864E-06	0.000816146	0.001430269	0.002689766	0.00552331
2034 Oct	0.060198568	2.52157E-05	3.533121109	14.79087639	0.102807544	0.002435437	179.9210815	0.012856517	0.007352643	2.31663E-05	0.001952124	0.000727989	0.33244893	1.88063E-06	0.000659211	0.001162896	0.002293811	0.004371169
2034 Nov	0.060941227	2.49625E-05	3.492429018	14.56460953	0.101174295	0.002403614	176.8261566	0.01264866	0.007443713	2.31222E-05	0.001918031	0.0007159	0.328006625	1.88584E-06	0.00064924	0.001146142	0.002274527	0.004293967
2034 Dec	0.061027505	2.49353E-05	3.488033533	14.53993225	0.100995973	0.00240016	176.4875336	0.012625955	0.007454292	2.31183E-05	0.001914299	0.000714578	0.327524215	1.88652E-06	0.000648153	0.001144318	0.002272474	0.004285513
2035 Jan	0.061199069	2.49176E-05	3.486254454	14.52768707	0.100976869	0.002397872	176.286438	0.012612864	0.007460393	2.35434E-05	0.001912141	0.000713817	0.327332377	1.88668E-06	0.000647492	0.001144066	0.002271302	0.004280413
2035 Feb	0.061399478	2.49092E-05	3.486281872	14.52416897	0.101045005	0.002396646	176.190567	0.012607063	0.007464715	2.41243E-05	0.00191116	0.000713478	0.327333301	1.88681E-06	0.000647173	0.0011447	0.00227093	0.004277896
2035 Mar	0.061515443	2.49073E-05	3.486678839	14.52384377	0.101093225	0.00239624	176.1576233	0.012605283	0.007467889	2.44436E-05	0.001910834	0.000713371	0.32736972	1.88709E-06	0.000647071	0.00114517	0.002270977	0.004276992
2035 Apr	0.061708111	2.49575E-05	3.494082451	14.55355644	0.101328783	0.002400941	176.5014801	0.012630219	0.007485069	2.46757E-05	0.001914582	0.000714779	0.328064352	1.89113E-06	0.000648344	0.001147796	0.002275678	0.004285282
2035 May	0.06839893	2.50422E-05	3.544214249	14.67999172	0.10558261	0.002389035	175.3251953	0.0126654	0.007596799	6.42532E-05	0.001922313	0.000718484	0.33302319	1.91018E-06	0.000648282	0.001195374	0.002315647	0.004282365
2035 Jun	0.09192431	2.30152E-05	3.321712732	13.33384609	0.113149196	0.001935533	139.1945343	0.011318654	0.00718641	0.000254052	0.0017832	0.000649224	0.310381711	1.89758E-06	0.00056256	0.00135824	0.002584065	0.003739444
2035 Jul	0.078999422	2.96047E-05	4.163053989	17.63178825	0.135337189	0.002636275	189.667038	0.015394955	0.007041153	0.000168943	0.002423483	0.000879582	0.394531876	2.1398E-06	0.000765451	0.001573051	0.003061024	0.005226227
2035 Aug	0.039016269	3.28921E-05	4.715970039	20.97438431	0.148106515	0.00329835	231.2234955	0.018590348	0.004654663	2.56451E-05	0.002882032	0.001065244	0.456522644	1.8961E-06	0.000927706	0.001586916	0.002906995	0.006471848
2035 Sep	0.067849256	2.69523E-05	3.754715919	15.49503994	0.107633106	0.002567031	164.1690369	0.013444613	0.008275333	2.51984E-05	0.002031856	0.000761047	0.35071674	2.10115E-06	0.000690216	0.001215011	0.00246596	0.004546453
2035 Oct	0.061436243	2.65457E-05	3.726969481	15.68280888	0.109094173	0.002574487	167.4830627	0.013647881	0.007503291	2.41171E-05	0.002075927	0.000773258	0.351571172	1.94518E-06	0.000698801	0.001231533	0.002409403	0.004649623
2035 Nov	0.05783093	2.66374E-05	3.754601955	15.95721054	0.111173265	0.002604246	171.2284698	0.013918133	0.007061911	2.36662E-05	0.002124152	0.000789468	0.355912387	1.88362E-06	0.00071071	0.001250167	0.002407091	0.004760049
2035 Dec	0.058028314	2.65565E-05	3.741765499	15.88726997	0.110669583	0.002594305	170.3994598	0.013854099	0.007086124	2.36466E-05	0.002113695	0.000785749	0.354526758	1.88457E-06	0.000707626	0.001244969	0.002400824	0.004736385
2036 Jan	0.05824605	2.65318E-05	3.739129543	15.86982822	0.110630199	0.002591135	170.155899	0.013835802	0.007094198	2.41756E-05	0.002110685	0.000784686	0.354243636	1.88475E-06	0.000706705	0.001244491	0.002399146	0.004729304
2036 Feb	0.058498554	2.6519E-05	3.738833189	15.86379147	0.110704668	0.002589346	170.0330811	0.013827055	0.007099643	2.49063E-05	0.00210922	0.000784176	0.354211271	1.88485E-06	0.000706233	0.001245167	0.002398491	0.004725618
2036 Mar	0.058635574	2.65122E-05	3.738695621	15.86061859	0.110745646	0.002588394	169.9676514	0.013822404	0.007102633	2.53019E-05	0.00210844	0.000783905	0.354195952	1.88492E-06	0.000705982	0.001245541	0.002398151	0.004723651
2036 Apr	0.059512008	2.66229E-05	3.761615992	15.95733166	0.111876078	0.002599504	170.6399384	0.013897063	0.007114056	2.81323E-05	0.002120113	0.000788185	0.356542081	1.88905E-06	0.000709489	0.001257124	0.002408894	0.004748551
2036 May	0.062470805	2.69714E-05	3.83236146	16.24833488	0.115378059	0.002631807	172.5655823	0.014120067	0.007167758	4.00626E-05	0.002155291	0.000801209	0.363698572	1.90575E-06	0.000719897	0.001293924	0.002446393	0.00482179
2036 Jun	0.069119066	2.39496E-05	3.297883987	13.61817074	0.10433536	0.002055563	130.9188232	0.011893134	0.006762226	0.000122533	0.001884855	0.000676129	0.307669014	1.90119E-06	0.000594331	0.001282303	0.002649923	0.003992768
2036 Jul	0.056591973	3.21482E-05	4.484484673	19.76919174	0.141934946	0.003015797	190.2312317	0.017528646	0.005809736	7.46102E-05	0.002748971	0.001000179	0.430910528	2.04559E-06	0.000872208	0.001585428	0.003059404	0.006059559
2036 Aug	0.04260708	3.47345E-05	4.964789867	22.25695038	0.157453775	0.003462602	215.1250916	0.019749245	0.00479105	3.86947E-05	0.003073036	0.001130784	0.482292861	1.96363E-06	0.00098412	0.001692383	0.003077897	0.006887815
2036 Sep	0.054807864	3.41596E-05	4.886256218	21.5325489	0.150906071	0.003438286	205.7188721	0.018940615	0.006681615	2.76201E-05	0.00292495	0.001079084	0.471530348	2.08137E-06	0.000957151	0.001669874	0.003034799	0.006566155
2036 Oct	0.072977379	2.0684E-05	2.80691123	10.77130127	0.073808424	0.001868751	96.24977875	0.009166788	0.008919789	2.23049E-05	0.001347515	0.000513467	0.253372669	1.96468E-06	0.000482044	0.000865007	0.001947299	0.003002266
2036 Nov	0.063959427	2.41549E-05	3.360147238	13.80554104	0.095676005	0.002298575	127.6916733	0.011947814	0.007813687	2.30723E-05	0.001802316	0.000675042	0.313307673	1.91407E-06	0.000615824	0.001090265	0.002214839	0.004031701
2036 Dec	0.062501907	2.46454E-05	3.439049959	14.24495983	0.09884838	0.002360327	132.2672729	0.012351581	0.007634958	2.31552E-05	0.001868566	0.000698528	0.321928829	1.90364E-06	0.000635188	0.001122792	0.002252144	0.004181725
2037 Jan	0.062986441	2.45965E-05	3.434197664	14.21129131	0.098802872	0.002353978	131.8463745	0.012315406	0.007651795	2.43672E-05	0.001862602	0.000696425	0.321406156	1.90406E-06	0.000633359	0.001122165	0.002248905	0.004167611
2037 Feb	0.063552022	2.4573E-05	3.434352636	14.20179653	0.098999605	0.002350563	131.6480713	0.012299405	0.007663718	2.60142E-05	0.001859894	0.00069549	0.321417809	1.90441E-06	0.000632476	0.001123996	0.002247881	0.004160643
2037 Mar	0.063913219	2.45806E-05	3.437285662	14.20839691	0.099189021	0.00235065	131.6491241	0.01230088	0.007676578	2.69342E-05	0.00185996	0.000695557	0.321690798	1.90618E-06	0.00063252	0.001125927	0.002249187	0.004160293
2037 Apr	0.064243056	2.46326E-05	3.44562149	14.23970509	0.099489309	0.002355257	131.9049377	0.012325568	0.007698792	2.75109E-05	0.001863603	0.000696944	0.322470099	1.91088E-06	0.000633771	0.001129211	0.002254292	0.004168159
2037 May	0.118192174	2.15273E-05	3.289908648	12.55813313	0.114987142	0.001844605	102.1344452	0.010185107	0.008530164	0.00034978	0.001542609	0.000587871	0.305955589	1.93374E-06	0.000513014	0.001311255	0.002260263	0.003278148
2037 Jun	0.119764969	2.39954E-05	3.72471118	14.8625679	0.138338968	0.002072695	114.4661865	0.012241271	0.007421836	0.000426681	0.00190786	0.000710943	0.35339886	1.89075E-06	0.000604227	0.001582965	0.002608597	0.004019836
2037 Jul	0.071667708	3.28065E-05	4.807493687	21.16954803	0.162626892	0.003164395	175.5263214	0.018466299	0.005590572	0.000194601	0.002892722	0.00106065	0.467105448	1.94995E-06	0.000916333	0.00179642	0.003099804	0.006373736
2037 Aug	0.037699204	3.62075E-05	5.221374989	23.57347107	0.166661546	0.003678778	199.8251343	0.020928634	0.004429082	3.03311E-05	0.00325923	0.001199426	0.509451568	1.94479E-06	0.001043004	0.001789626	0.003179669	0.007321036
2037 Sep	0.052993715	3.12625E-05	4.450113773	19.39507294	0.13593328	0.003108842	161.6946869	0.01704688	0.006445094	2.56058E-05	0.002624007	0.000971396	0.426904976	1.99277E-06	0.000861453	0.001498138	0.002791107	0.005887734
2037 Oct	0.061254658	2.49561E-05	3.490272284	14.54194355	0.101001993	0.002401207	118.6556015	0.012626232	0.007482084	2.31623E-05	0.001914008	0.000714552	0.327654123	1.89124E-06	0.000648257	0.001144613	0.002274867	0.004284748
2037 Nov	0.060516197	2.52918E-05	3.543258429	14.827672	0.103057191	0.002442044	121.2241135	0.012887372	0.007391474	2.32552E-05	0.001956554	0.000729704	0.333340883	1.88874E-06	0.000660863	0.001165894	0.002301112	0.004381
2037 Dec	0.060631093	2.52615E-05	3.538291931	14.79911137	0.102850266	0.002438097	120.9623566	0.012860993	0.007405558	2.32536E-05	0.001952197	0.000728166	0.332788348	1.88983E-06	0.000659606	0.001163792	0.002298879	0.004371124
2038 Jan	0.060891174	2.52347E-05	3.535573006	14.78041267	0.102819622	0.002434617	120.7607117	0.012841035	0.00741495	2.38941E-05	0.001948906	0.000727005	0.332494736	1.89009E-06	0.000658599	0.001163394	0.0022971	0.004363349
2038 Feb	0.061191451	2.5221E-05	3.535465479	14.77445126	0.102917552	0.002432664	120.661911	0.012831715	0.007421278	2.47679E-05	0.001947337	0.000726461	0.332481682	1.89024E-06	0.00065809	0.001164296	0.002296449	0.004359355
2038 Mar	0.061363861	2.52171E-05	3.53591466	14.77332497	0.102985702	0.00243195	120.625412	0.01282848	0.007425793	2.52476E-05	0.001946762	0.000726269	0.332522362	1.89059E-06	0.000657907	0.001164955	0.002296424	0.004357804
2038 Apr	0.061580125	2.52635E-05	3.542979002	14.80113125	0.10322278	0.002436226	120.8369141	0.012851341	0.00744266	2.55691E-05	0.001950183	0.000727559	0.333185792	1.89442E-06	0.000659069	0.001167574	0.002300832	0.004365313
2038 May	0.082553685	2.45143E-05	3.550135374	14.47373581	0.111513399	0.002287928	113.0378571	0.012312031	0.007775301	0.000150254	0.001871646	0.000701919	0.333593547	1.9192E-06	0.000626661	0.001262595	0.002341192	0.004123973
2038 Jun	0.119167753	2.36572E-05	3.654269695	14.501894	0.134796545	0.002028933	98.55960083	0.011936986	0.007553765	0.000415577	0.001858643	0.000692687	0.345633835	1.90275E-06	0.000590007	0.001548311	0.002584026	0.003909783
2038 Jul	0.098591663	2.91206E-05	4.191863537	17.39042664	0.14032571	0.002559195	123.0697098	0.014924795	0.007641898	0.000259149	0.002321773	0.000856583	0.396643043	2.19405E-06	0.000740853	0.001577804	0.002941373	0.005017438
2038 Aug	0.03466434	3.50888E-05	5.071192741	22.96484566	0.162336707	0.003582916	170.4694824	0.020395137	0.00411205	2.74442E-05	0.003178393	0.00116905	0.495634109	1.85041E-06	0.001016293	0.001743692	0.00307482	0.007142222
2038 Sep	0.051920529	2.96301E-05	4.221809387	18.43016434	0.128976732	0.002959266	134.419693	0.016177639	0.006332461	2.45722E-05	0.002490832	0.000920692	0.405504376	1.88233E-06	0.000819617	0.001432674	0.002644369	0.00558913

Appendix D.2-32: F ZONE01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2038 Oct	0.065509886	2.33833E-05	3.238921404	13.15724659	0.091017477	0.00220551	93.09883881	0.011356151	0.00800397	2.28382E-05	0.0017061	0.000640736	0.300356418	1.9172E-06	0.000587215	0.001041902	0.002154101	0.00381409
2038 Nov	0.062784694	2.47578E-05	3.454741955	14.31005096	0.099300161	0.002371104	102.1098175	0.01240804	0.007669501	2.32605E-05	0.001877111	0.000701722	0.323398769	1.91229E-06	0.00063809	0.001127921	0.002262409	0.004200851
2038 Dec	0.063219614	2.45716E-05	3.425247908	14.15007591	0.098148704	0.002348309	100.8536377	0.012261687	0.007722859	2.32125E-05	0.001853236	0.000693226	0.320223123	1.91413E-06	0.000631034	0.001116019	0.002247918	0.004146826
2039 Jan	0.063998587	2.44919E-05	3.417350769	14.09556961	0.09807498	0.002338015	100.3401184	0.012203163	0.007749499	2.51722E-05	0.001843595	0.000689825	0.3193748	1.9147E-06	0.000628073	0.001114998	0.002242626	0.004124012
2039 Feb	0.064905077	2.44509E-05	3.417197227	14.07861805	0.098383226	0.002332209	100.0906219	0.012175895	0.007767558	2.78392E-05	0.001839009	0.000688235	0.319357187	1.91498E-06	0.000626573	0.001117842	0.002240686	0.00411228
2039 Mar	0.065463662	2.44535E-05	3.420585871	14.08370972	0.098650709	0.002331424	100.0567398	0.012173449	0.007785264	2.93168E-05	0.001838385	0.00068807	0.319672078	1.91708E-06	0.000626394	0.001120523	0.002241909	0.004110083
2039 Apr	0.065997586	2.45353E-05	3.433763027	14.13290977	0.099127613	0.002338639	100.3662949	0.012212067	0.007820958	3.02564E-05	0.001844073	0.000690238	0.320902526	1.92458E-06	0.000628351	0.001125737	0.002249976	0.004122339
2039 May	0.068459772	2.56972E-05	3.630190372	15.06338501	0.107488699	0.002460381	105.5607758	0.013012803	0.007759134	5.11618E-05	0.001973737	0.000737328	0.341163844	1.95275E-06	0.000666596	0.001215423	0.002362193	0.004404585
2039 Jun	0.06088578	2.30017E-05	3.047693968	12.55173016	0.09368708	0.001882087	79.67092896	0.011126177	0.006552858	8.31493E-05	0.001791507	0.000629803	0.281196296	1.9028E-06	0.000553868	0.001209989	0.002702671	0.003728487
2039 Jul	0.05222233	2.79219E-05	3.847303629	16.80541992	0.120620608	0.002557398	107.8945847	0.014922597	0.005467678	6.46075E-05	0.002347602	0.000850315	0.367241323	1.86691E-06	0.000742197	0.001371526	0.002740862	0.005138238
2039 Aug	0.058420144	2.99481E-05	4.157890797	17.40792847	0.122765213	0.002787087	110.576889	0.015322841	0.00672483	3.58731E-05	0.002335259	0.00087606	0.389749765	2.21459E-06	0.000767742	0.001305777	0.002731281	0.005217798
2039 Sep	0.056994367	3.03758E-05	4.308154583	18.60425568	0.130097896	0.003002096	118.4581757	0.016305078	0.006943946	2.57119E-05	0.002502071	0.000927512	0.411486626	2.01528E-06	0.000827209	0.001445004	0.002724275	0.005611501
2039 Oct	0.056506995	2.75793E-05	3.900387526	16.71578979	0.116606444	0.002714745	106.0127869	0.014607154	0.006899244	2.40316E-05	0.002235488	0.00082933	0.371256471	1.88998E-06	0.000744219	0.001307062	0.002482821	0.005011634
2039 Nov	0.057992455	2.70952E-05	3.822347403	16.27946854	0.113455035	0.002653552	103.0018616	0.014205975	0.007081388	2.39565E-05	0.002169608	0.000805987	0.362710863	1.90111E-06	0.000724994	0.001274788	0.002446142	0.004862429
2039 Dec	0.058303818	2.69856E-05	3.804777622	16.18213463	0.112752751	0.002639836	102.3318329	0.014116615	0.007119571	2.3936E-05	0.002154963	0.000800791	0.36079675	1.90318E-06	0.000720704	0.001267576	0.002437769	0.004829269
2040 Jan	0.058897398	2.69161E-05	3.797283649	16.13311577	0.112635605	0.002630965	101.9433594	0.01406541	0.007141455	2.53806E-05	0.002146549	0.000797817	0.359994143	1.90359E-06	0.00071813	0.001266167	0.002433011	0.004809495
2040 Feb	0.059588235	2.68812E-05	3.796493053	16.11666489	0.112839088	0.002626091	101.7569122	0.014041547	0.007156504	2.73756E-05	0.00214255	0.000796426	0.359907091	1.90389E-06	0.000716842	0.001268017	0.00243124	0.00479943
2040 Mar	0.060028292	2.68926E-05	3.800333738	16.12590027	0.113075815	0.002626411	101.7706223	0.014044445	0.007172675	2.84837E-05	0.002142799	0.00079657	0.360264689	1.90619E-06	0.000716952	0.001270441	0.002433017	0.004799391
2040 Apr	0.060474399	2.69888E-05	3.815184116	16.18497849	0.113585956	0.002635373	102.1186142	0.014093028	0.007205679	2.91968E-05	0.002150103	0.000799314	0.361668855	1.91385E-06	0.000719411	0.001276041	0.002442144	0.004815419
2040 May	0.084314749	2.59351E-05	3.786316395	15.61832905	0.121255226	0.002442756	94.27388763	0.013309361	0.007657749	0.00016721	0.002032573	0.000760094	0.358091354	1.94653E-06	0.000674597	0.001365873	0.002469989	0.004478963
2040 Jun	0.128302291	2.16063E-05	3.356340885	12.85673046	0.12705031	0.0017336	64.97415161	0.010401018	0.007887349	0.000460105	0.00162623	0.000605678	0.313971907	1.91014E-06	0.000511129	0.001486541	0.00251879	0.003332627
2040 Jul	0.11116381	2.38251E-05	3.602400541	14.41176224	0.131139994	0.002015039	75.38996124	0.012003905	0.007282514	0.000377744	0.001886274	0.000694694	0.340084493	1.9084E-06	0.000591914	0.001530499	0.002660512	0.003948381
2040 Aug	0.104387574	2.5102E-05	3.768917322	15.36146641	0.135084704	0.002181385	81.42056274	0.012925179	0.007005322	0.000345904	0.002029331	0.000746752	0.357622892	1.91221E-06	0.000638269	0.001561527	0.002718574	0.004296112
2040 Sep	0.097729094	2.59438E-05	3.873881578	15.98454094	0.136735603	0.002303588	85.51327515	0.013546628	0.006774257	0.000313026	0.002123455	0.000781619	0.368690282	1.90809E-06	0.000670184	0.001568859	0.002740823	0.004534501
2040 Oct	0.095977336	2.59855E-05	3.869727612	15.98700523	0.135596812	0.002318033	85.6646347	0.013566428	0.006795073	0.000299878	0.002123853	0.000782131	0.368210971	1.90843E-06	0.000672196	0.001554683	0.002726674	0.004545558
2040 Nov	0.095872849	2.59867E-05	3.868778944	15.98241901	0.135459587	0.002318757	85.64691162	0.013563534	0.006803197	0.000298715	0.002123075	0.000781899	0.368087769	1.9093E-06	0.000672166	0.00155309	0.002725343	0.004544681
2040 Dec	0.095876798	2.59839E-05	3.868265152	15.97957706	0.135433987	0.002318425	85.6302948	0.013560983	0.006804699	0.000298658	0.002122641	0.000781748	0.368030488	1.90941E-06	0.000672049	0.001552818	0.002725059	0.004543741
2041 Jan	0.095892832	2.5982E-05	3.868050337	15.97814465	0.135428563	0.002318198	85.62052917	0.013559496	0.006805564	0.000298673	0.002122387	0.000781659	0.368006885	1.90945E-06	0.000671977	0.00155275	0.002724892	0.004543168
2041 Feb	0.095914409	2.59811E-05	3.868061304	15.97777939	0.135435253	0.002318082	85.61637115	0.013558881	0.006806166	0.000298723	0.002122278	0.000781622	0.368007421	1.90948E-06	0.000671944	0.001552809	0.002724842	0.0045429
2041 Mar	0.095935628	2.59833E-05	3.868448496	15.97915363	0.135452256	0.002318247	85.62254333	0.013559883	0.006807164	0.000298781	0.002122428	0.000781679	0.368043989	1.90968E-06	0.000671992	0.001552994	0.002725084	0.004543202
2041 Apr	0.095974848	2.59918E-05	3.869763613	15.98446083	0.135500267	0.002318998	85.65028381	0.01356429	0.006809659	0.000298898	0.002123114	0.000781933	0.36816895	1.91034E-06	0.00067221	0.001553539	0.002725992	0.004544659
2041 May	0.096379794	2.60425E-05	3.879589319	16.02416611	0.13595295	0.002323845	85.75378418	0.013594752	0.006822164	0.000300985	0.002127809	0.000783764	0.369148612	1.91327E-06	0.000673674	0.001558318	0.002731089	0.004554619
2041 Jun	0.08732228	2.45281E-05	3.536144972	14.48573494	0.120317638	0.00210829	75.81773376	0.012403577	0.006826811	0.000241994	0.001958075	0.00071177	0.332815588	1.91042E-06	0.000614936	0.001427703	0.002696826	0.004139917
2041 Jul	0.077223867	2.51344E-05	3.567789793	14.85779667	0.118886456	0.002186493	76.37268829	0.01287188	0.006474191	0.000193222	0.002039224	0.000736689	0.336594701	1.89289E-06	0.000638589	0.001417742	0.002739772	0.004331771
2041 Aug	0.076447085	2.55493E-05	3.627776146	15.16250801	0.120668478	0.002236663	77.81627655	0.013151274	0.006442644	0.000189326	0.002081911	0.000752687	0.342745066	1.90194E-06	0.000652561	0.001433071	0.002762241	0.004433931
2041 Sep	0.0750769	2.5938E-05	3.686476946	15.47414017	0.122369312	0.002290484	79.27389526	0.013438087	0.006378158	0.000183447	0.002125387	0.000769105	0.348919213	1.90256E-06	0.00066708	0.001446985	0.002777341	0.004540525
2041 Oct	0.074261308	2.60696E-05	3.705926657	15.58329201	0.122675978	0.002314035	79.70426941	0.013539179	0.006369474	0.00017826	0.00213928	0.000774728	0.35100168	1.90089E-06	0.000672623	0.001447509	0.002773726	0.004579219
2041 Nov	0.074269027	2.60704E-05	3.705770731	15.5809679	0.122621946	0.002314434	79.67990112	0.013536875	0.006377244	0.000177876	0.002138652	0.000774569	0.350964814	1.90171E-06	0.000672578	0.001446793	0.002772888	0.004578321
2041 Dec	0.074275829	2.60698E-05	3.705641508	15.58003807	0.122614004	0.002314337	79.67449188	0.01353599	0.00637828	0.000177865	0.002138494	0.000774516	0.350948244	1.90183E-06	0.000672539	0.00144671	0.002772825	0.004577978
2042 Jan	0.074286319	2.6069E-05	3.705575943	15.57946682	0.122613184	0.002314241	79.67055511	0.013535348	0.006378821	0.000177882	0.002138381	0.000774478	0.350940436	1.90186E-06	0.000672508	0.001446696	0.002772762	0.004577721
2042 Feb	0.074298002	2.60685E-05	3.705575466	15.57924271	0.122616693	0.002314174	79.66832733	0.013534986	0.006379128	0.000177912	0.002138317	0.000774457	0.350940198	1.90188E-06	0.000672489	0.001446725	0.002772726	0.004577565
2042 Mar	0.074308254	2.60696E-05	3.705768347	15.57993126	0.122625016	0.002314258	79.67127228	0.013535496	0.006379629	0.000177938	0.002138394	0.000774486	0.350958347	1.90198E-06	0.000672514	0.001446817	0.002772851	0.00457772
2042 Apr	0.074354351	2.60844E-05	3.707886219	15.5887661	0.122696191	0.00231556	79.71611786	0.01354312	0.006383371	0.000178049	0.002139597	0.000774922	0.351158887	1.90307E-06	0.000672892	0.001447653	0.002774424	0.004580288
2042 May	0.075086094	2.61118E-05	3.715422392	15.60978222	0.123132922	0.00231684	79.69919586	0.013553208	0.006410297	0.000181555	0.002140934	0.000775629	0.351868242	1.90725E-06	0.000673328	0.0014523	0.002778576	0.004582091
2042 Jun	0.073607199	2.56053E-05	3.615129709	15.14273834	0.11906942	0.002246355	75.76160431	0.013172431	0.006424062	0.00017163	0.002086103	0.000753046	0.341323495	1.90378E-06	0.000654324	0.001419343	0.002765789	0.004446892
2042 Jul	0.070992976	2.56965E-05	3.610170841	15.17635727	0.11813049	0.002257026	74.52788544	0.013240527	0.006336827	0.000158161	0.002098152	0.000756395	0.340921462	1.89972E-06	0.000657769	0.001408954	0.00276798	0.004477685
2042 Aug	0.068412602	2.59742E-05	3.651191473	15.41029739	0.118749954	0.002306116	74.69538879	0.013464898	0.006207036	0.000146333	0.002127629	0.000769356	0.345310062	1.89244E-06	0.000669293	0.001401802	0.002748695	0.004564545
2042 Sep	0.067189485	2.60617E-05	3.664643049	15.48228931	0.118692107	0.002326607	74.55076599	0.013534143	0.006170483	0.00013959	0.002134804	0.000773327	0.346689314	1.89017E-06	0.000673169	0.001394577	0.002733934	0.004591862
2042 Oct	0.066729374	2.61145E-05	3.673385382	15.53330517	0.118750393	0.002339573	74.53993988	0.013579984	0.006172289	0.000136275	0.002140322	0.000775829	0.347660899	1.88769E-06	0.000675886	0.001393185	0.002727131	0.004609879
2042 Nov	0.066758707	2.61215E-05	3.674300432	15.536479	0.118767656	0.002340237	74.54945374	0.013582594	0.006176636	0.00013624	0.002140661	0.000775971	0.347739697	1.88849E-06	0.000676035	0.001393379	0.00272767	0.004610699
2042 Dec	0.066763386	2.61216E-05	3.67429018	15.53623962	0.118765526	0.002340222	74.54800415	0.013582345	0.006177255	0.000136238	0.002140613	0.000775956	0.347736567	1.88858E-06	0.000676025	0.00139336	0.00272768	0.004610592
2043 Jan	0.066768698	2.61211E-05	3.67424798	15.53590965	0.1187649	0.002340166	74.5459671	0.013581982	0.006177516	0.000136248	0.00214055	0.000775934	0.347731739	1.8886E-06	0.000676008	0.001393351	0.002727641	0.004610449
2043 Feb	0.066774793	2.61209E-05	3.674253702	15.53582096	0.118766911	0.002340135	74.54505157	0.013581821	0.006177683	0.000136263	0.002140521	0.000775925	0.347732216	1.88861E-06	0.000675999	0.001393368	0.002727628	0.004610378
2043 Mar	0.066779763	2.61214E-05	3.674346924	15.53615379	0.118770927	0.002340176	74.54637146	0.013582066	0.006177926	0.000136275	0.002140558	0.000775939	0.347741008	1.88866E-06	0.000676011	0.001393412	0.002727688	0.004610452
2043 Apr	0.06681975	2.61362E-05	3.676444054	15.54498577	0.118839279	0.002341501	74.58860016	0.013589761	0.006181501	0.000136358	0.00214177	0.000776378	0.347939432	1.88974E-06	0.000676394	0.001394212	0.002729239	0.004613059
2043 May	0.067689821	2.61531E-05	3.682901621	15.55785465	0.119271301	0.00234114	74.51856232	0.013591079	0.006214081	0.000140501	0.002141722	0.000776601	0.34852615	1.89434E-06	0.000676382	0.001398916	0.002733183	0.004611367
2043 Jun	0.074665628	2.55232E-05	3.629431248	15.17293262	0.119725727	0.002258143	70.63486481	0.013158605	0.006393167	0.000178089	0.002072855	0.000753217	0.342969388	1.89171E-06	0.000653976	0.001405141	0.002703136	0.004440858
2043 Jul	0.074103281	2.57487E-05	3.657506227	15.32120991	0.120451733	0.002282232	70.77494812	0.01330099	0.006382581	0.000174691	0.002095507	0.00076123	0.345804483	1.89896E-06	0.000661063	0.001412509	0.002719949	0.00449319
2043 Aug	0.073530495	2.60082E-05	3.694942713	15.50843048	0.121509127	0.002314042	71.21362305	0.013473075	0.006363194	0.000171706	0.00212151	0.000771095	0.349604368	1.90539E-06	0.000669696	0.001421199	0.002733395	0.004556016
2043 Sep	0.072676748	2.61718E-05	3.719253778	15.63944435	0.12211331	0.002338248	71.38859558	0.013595568	0.006325744	0.000167849	0.002139562	0.000778107	0.352158636	1.90483E-06	0.000675942	0.001424808	0.002736529	0.004602015
2043 Oct	0.072454005	2.61071E-05	3.708390713	15.58565807	0.121428564	0.002335411	70.8884201	0.013547435	0.006356346	0.000164556	0.002130245	0.000775156	0.351012886	1.90398E-06	0.000674036	0.001416284	0.002723048	0.004585325
2043 Nov	0.072425127	2.59863E-05	3.688940763	15.48530293	0.120489702	0.002324539	70.283638	0.013456624	0.006395186	0.000162123	0.002114405	0.000769776	0.34895128	1.90341E-06	0.000669948	0.00140549	0.002707358	0.004552711
2043 Dec	0.072430298	2.59853E-05	3.688765287	15.48421478	0.120480679	0.002324412	70.27822113	0.01345561	0.006396025	0.000162112	0.002114229	0.000769715	0.348930776	1.90349E-06	0.000669902	0.001405395	0.002707262	0.004552327
2044 Jan	0.07243748	2.59848E-05	3.688718319	15.4838171	0.12048012	0.002324345	70.27584076	0.013455163	0.00639639	0.000162124	0.002114151	0.000769689	0.348925263	1.90352E-06	0.000669881	0.001405386	0.002707219	0.004552149
2044 Feb	0.072448529	2.59855E-05	3.688867807	15.48429108	0.120487481	0.002324392	70.27737427	0.013455461	0.00639686	0.000162151	0.002114194	0.000769706	0.3489393	1.9036E-06	0.000669895	0.001405464	0.002707306	0.004552227
2044 Mar	0.072459266	2.59876E-05	3.689190626	15.48556328	0.120499365	0.00232457	70.2828064	0.013456505	0.006397536	0.000162177	0.002114355	0.000769765	0.348969728	1.90377E-06	0.000669946	0.001405599	0.00270753	0.004552568
2044 Apr	0.072477579	2.59932E-05	3.689998865	15.48890877	0.1205265	0.002325066	70.29780579	0.013459377	0.006399	0.000162219	0.002114805	0.000769929	0.349046141	1.90419E-06	0.000670089	0.001405913	0.002708116	0.004553533
2044 May	0.072641797	2.60328E-05	3.695981503	15.5133152	0.120740868	0.002328551	70.39218903	0.013479876	0.006409943	0.000162763	0.002118009	0.000771114	0.349614769	1.90717E-06	0.000671102	0.001408364	0.002712321	0.004560353
2044 Jun	0.062340122	2.11388E-05	3.118518829	12.62837601	0.097675242	0.001875805	55.83582687	0.010911225	0.006050246	0.000143411	0.001706013	0.000625675	0.285496444	1.91673E-06	0.000540884	0.001154307	0.00235887	0.003653076
2044 Jul	0.044649061	1.38288E-05	2.289496422	8.472196579	0.063463844	0.001229976	36.90888214	0.007205726	0.005428451	0.000107824	0.001104437	0.000416468	0.192366228	1.94967E-06	0.000352975	0.000765181	0.001804197	0.00234943
2044 Aug	0.033882257	9.38832E-06	1.804116488	5.985078812	0.043011282	0.00084162	25.87189674	0.004943278	0.005020382	8.2336E-05	0.000740244	0.000290218	0.137377128	1.97325E-06	0.000239412	0.000528017	0.001468218	0.001560908

Appendix D.2-32: F ZONE01

Constituents	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2044 Sep	0.028307807	7.32887E-06	1.598736763	4.865644455	0.033553988	0.000666419	20.77716446	0.003889579	0.004831153	6.7817E-05	0.000573823	0.000232587	0.11305894	1.97742E-06	0.000187562	0.000415224	0.001309672	0.001202174
2044 Oct	0.026498221	6.62011E-06	1.532063127	4.478756428	0.030250808	0.000605819	19.03073502	0.003523808	0.004807918	6.48053E-05	0.000515985	0.000212523	0.104660869	1.97892E-06	0.000169558	0.000376477	0.001255133	0.00107731
2044 Nov	0.026529629	6.62942E-06	1.532950997	4.482975483	0.03027996	0.000606655	19.04167557	0.003527565	0.004810829	6.47813E-05	0.000516537	0.000212725	0.104760736	1.97902E-06	0.000169765	0.000376806	0.001255637	0.001078584
2044 Dec	0.026530871	6.62957E-06	1.532970071	4.48301363	0.03028018	0.000606664	19.04179573	0.003527589	0.004810987	6.47818E-05	0.000516539	0.000212726	0.10476201	1.97905E-06	0.000169767	0.00037681	0.001255655	0.001078587
2045 Jan	0.026532061	6.62959E-06	1.532973289	4.483012199	0.030280545	0.000606663	19.04171944	0.003527577	0.004811038	6.47839E-05	0.000516537	0.000212725	0.104762428	1.97905E-06	0.000169766	0.000376814	0.001255655	0.00107858
2045 Feb	0.026533298	6.62961E-06	1.532980084	4.483026505	0.030281162	0.000606662	19.04170418	0.003527575	0.004811072	6.4787E-05	0.000516536	0.000212725	0.10476318	1.97905E-06	0.000169766	0.00037682	0.001255657	0.001078577
2045 Mar	0.026534816	6.62982E-06	1.533032537	4.483176231	0.03028246	0.000606681	19.04229927	0.003527686	0.004811243	6.47907E-05	0.000516552	0.000212732	0.10476692	1.97911E-06	0.000169771	0.000376835	0.001255697	0.001078609
2045 Apr	0.02653823	6.63059E-06	1.533209682	4.483692169	0.030286109	0.00060675	19.04446793	0.003528088	0.004811803	6.47991E-05	0.000516611	0.000212756	0.104779109	1.97934E-06	0.00016979	0.00037688	0.001255841	0.001078731
2045 May	0.026558025	6.63549E-06	1.534344196	4.487009048	0.030308586	0.000607198	19.05854607	0.003530696	0.004815366	6.48475E-05	0.000516992	0.000212913	0.104856685	1.9808E-06	0.000169916	0.000377159	0.00125677	0.001079528
2045 Jun	0.026454547	6.52622E-06	1.511056304	4.388603687	0.029551493	0.00059234	18.44125175	0.003454611	0.004817164	6.4287E-05	0.000505113	0.000208207	0.102590345	1.97853E-06	0.000165923	0.000371106	0.001251539	0.001050944
2045 Jul	0.025210282	5.90864E-06	1.432128787	4.014802933	0.026557514	0.000534641	16.71119881	0.00313646	0.004777333	6.26167E-05	0.000452363	0.000189713	0.094050899	1.98299E-06	0.000149384	0.000338797	0.001205989	0.000935481
2045 Aug	0.023391407	5.1551E-06	1.349260807	3.597802639	0.023153726	0.000469395	14.90023708	0.002758265	0.004695785	5.80523E-05	0.000391079	0.000168603	0.084804595	1.98911E-06	0.000130324	0.00029895	0.00114901	0.00080322
2045 Sep	0.021857304	4.6059E-06	1.298918128	3.309902191	0.020710148	0.000423687	13.62975216	0.002479354	0.004641951	5.39347E-05	0.000347613	0.000153605	0.078645095	1.9906E-06	0.000116755	0.000269124	0.001107198	0.000709661
2045 Oct	0.021225674	4.36306E-06	1.278909087	3.182272911	0.01961278	0.000403227	13.08379841	0.002355215	0.004638766	5.32539E-05	0.000328235	0.000146904	0.075909622	1.99167E-06	0.00011068	0.000256069	0.001089055	0.000667775
2045 Nov	0.021228407	4.36355E-06	1.27903831	3.18258667	0.0196147	0.00040327	13.08506489	0.002355444	0.004639293	5.3259E-05	0.000328266	0.000146918	0.075917348	1.99187E-06	0.000110691	0.000256094	0.001089166	0.000667838
2045 Dec	0.02122918	4.36367E-06	1.279065609	3.182650566	0.01961509	0.000403279	13.08531284	0.00235549	0.004639423	5.32601E-05	0.000328272	0.000146921	0.075919002	1.99192E-06	0.000110693	0.0002561	0.00108919	0.000667849
2046 Jan	0.021229682	4.3637E-06	1.279071808	3.182664394	0.019615309	0.000403281	13.08534718	0.002355497	0.004639458	5.3261E-05	0.000328272	0.000146922	0.075919487	1.99192E-06	0.000110693	0.000256102	0.001089194	0.00066785
2046 Feb	0.021230211	4.36372E-06	1.279080033	3.18268466	0.019615622	0.000403283	13.08540535	0.002355508	0.004639491	5.32623E-05	0.000328274	0.000146922	0.075920105	1.99193E-06	0.000110694	0.000256106	0.0010892	0.000667853
2046 Mar	0.021231443	4.36393E-06	1.279141426	3.182837248	0.019616663	0.000403301	13.08601952	0.002355618	0.004639714	5.32654E-05	0.000328289	0.000146929	0.075923823	1.99203E-06	0.000110699	0.000256119	0.001089251	0.000667883
2046 Apr	0.021235855	4.36481E-06	1.279399991	3.183480501	0.019620685	0.000403383	13.08865643	0.002356093	0.004640653	5.32765E-05	0.000328355	0.000146959	0.075939216	1.99243E-06	0.000110721	0.000256171	0.001089471	0.000668018
2046 May	0.02126918	4.36975E-06	1.280513167	3.186781883	0.019649835	0.000403797	13.09922791	0.002358573	0.004644191	5.33946E-05	0.000328719	0.00014711	0.076021113	1.9937E-06	0.00011084	0.000256519	0.00109035	0.000668753
2046 Jun	0.021594897	4.40753E-06	1.276356578	3.179614782	0.019682182	0.000402844	12.91906261	0.002359584	0.004656695	5.4028E-05	0.000329297	0.000146873	0.075865634	1.98988E-06	0.000110811	0.000258717	0.001094994	0.000667672
2046 Jul	0.021315539	4.25422E-06	1.250515223	3.073843956	0.018855358	0.000387025	12.33577824	0.002278117	0.004642285	5.38274E-05	0.000315432	0.000141846	0.073341481	1.98759E-06	0.00010641	0.000250567	0.001082744	0.000636949
2046 Aug	0.020540686	3.93023E-06	1.214871764	2.896051645	0.017407352	0.000359253	11.58829594	0.002117128	0.00460486	5.17482E-05	0.000289129	0.000132858	0.069394395	1.99156E-06	9.82737E-05	0.00023343	0.001058214	0.000580424
2046 Sep	0.019786654	3.67751E-06	1.192935348	2.766513109	0.016289633	0.000338868	11.01589298	0.001988446	0.004576694	4.9481E-05	0.000269236	0.000126036	0.066669032	1.99092E-06	9.21175E-05	0.000219296	0.001037889	0.000538014
2046 Oct	0.019492941	3.56745E-06	1.184733152	2.709169626	0.015778612	0.000329941	10.76202583	0.00193086	0.004579522	4.91416E-05	0.000260296	0.000122958	0.065467678	1.99032E-06	8.93736E-05	0.000213045	0.001028747	0.000518957
2046 Nov	0.019505136	3.57096E-06	1.185069442	2.710765839	0.01579003	0.00033025	10.76532078	0.00193228	0.004580589	4.91367E-05	0.000260507	0.000123035	0.065505512	1.99035E-06	8.94513E-05	0.000213175	0.001028947	0.000519437
2046 Dec	0.019505868	3.57106E-06	1.185092568	2.710815191	0.015790312	0.000330258	10.76550293	0.001932314	0.004580711	4.91376E-05	0.000260511	0.000123037	0.065506846	1.99039E-06	8.94531E-05	0.000213179	0.001028968	0.000519445
2047 Jan	0.01950638	3.57108E-06	1.185097337	2.710825443	0.015790526	0.000330259	10.76552105	0.001932318	0.004580742	4.91385E-05	0.000260511	0.000123037	0.065507248	1.99039E-06	8.94533E-05	0.000213181	0.001028971	0.000519445
2047 Feb	0.019506956	3.57111E-06	1.185106277	2.710846186	0.015790854	0.000330261	10.76557732	0.001932329	0.004580778	4.914E-05	0.000260512	0.000123038	0.065507904	1.9904E-06	8.94538E-05	0.000213185	0.001028977	0.000519447
2047 Mar	0.019508662	3.57138E-06	1.185195804	2.711051464	0.015792161	0.000330285	10.76637745	0.001932473	0.004581125	4.91443E-05	0.000260531	0.000123047	0.065512948	1.99055E-06	8.94604E-05	0.000213202	0.001029053	0.000519485
2047 Apr	0.019510627	3.57171E-06	1.185307026	2.711306095	0.015793711	0.000330316	10.76738167	0.001932653	0.004581555	4.91492E-05	0.000260556	0.000123058	0.065519147	1.99074E-06	8.94688E-05	0.000213223	0.001029149	0.000519533
2047 May	0.019651707	3.58223E-06	1.186964154	2.717064619	0.01588531	0.000330911	10.77634239	0.00193653	0.004587092	4.97399E-05	0.000261153	0.000123292	0.065689377	1.99134E-06	8.96551E-05	0.000214264	0.001030338	0.000520579
2047 Jun	0.020382918	3.61773E-06	1.189441323	2.730635643	0.016282095	0.000331681	10.70155907	0.001946119	0.004602693	5.30929E-05	0.000262509	0.000123774	0.066170245	1.98818E-06	9.00299E-05	0.000218987	0.001032919	0.000522087
2047 Jul	0.020121163	3.47707E-06	1.171272755	2.646104336	0.015599355	0.000318721	10.35401249	0.001877291	0.004598908	5.30399E-05	0.000250511	0.000119666	0.06417869	1.99247E-06	8.63189E-05	0.000211765	0.001023087	0.000496076
2047 Aug	0.019635672	3.29088E-06	1.150696635	2.544299841	0.014753059	0.000302876	9.939995766	0.001785793	0.004576037	5.15732E-05	0.000235513	0.000114551	0.06189888	1.99591E-06	8.16807E-05	0.000201803	0.00100943	0.000463892
2047 Sep	0.019118661	3.13634E-06	1.137891412	2.466490507	0.014059626	0.000290629	9.604595184	0.001707444	0.00455705	4.98858E-05	0.000223554	0.000110442	0.060266543	1.99556E-06	7.79694E-05	0.000192965	0.000997113	0.000438459
2047 Oct	0.018908497	3.068E-06	1.133215904	2.431605577	0.013736117	0.000285209	9.452622414	0.001671881	0.004559062	4.96161E-05	0.000218108	0.00010856	0.059536438	1.99489E-06	7.62933E-05	0.000188984	0.000991352	0.000426902
2047 Nov	0.018921226	3.07178E-06	1.133535266	2.433267593	0.013748194	0.00028554	9.455337524	0.001673386	0.00456003	4.96083E-05	0.000218334	0.000108639	0.05957574	1.99483E-06	7.63763E-05	0.00018912	0.000991528	0.000427418
2047 Dec	0.018921804	3.07185E-06	1.133553147	2.433303595	0.013748393	0.000285545	9.455465317	0.001673409	0.004560127	4.96089E-05	0.000218336	0.000108641	0.059576727	1.99486E-06	7.63775E-05	0.000189123	0.000991544	0.000427423
2048 Jan	0.018922307	3.07189E-06	1.133561969	2.433322668	0.013748627	0.000285547	9.455521584	0.00167342	0.004560173	4.96099E-05	0.000218337	0.000108642	0.059577323	1.99487E-06	7.6378E-05	0.000189126	0.000991551	0.000427425
2048 Feb	0.018922901	3.07193E-06	1.133576393	2.433354616	0.01374898	0.00028555	9.45562458	0.001673439	0.004560231	4.96115E-05	0.00021834	0.000108643	0.059578229	1.99489E-06	7.63789E-05	0.00018913	0.000991562	0.000427429
2048 Mar	0.018923149	3.07194E-06	1.13357985	2.433362484	0.013749119	0.000285551	9.455645561	0.001673442	0.004560246	4.96121E-05	0.00021834	0.000108643	0.05957849	1.9949E-06	7.63791E-05	0.000189131	0.000991565	0.000427429
2048 Apr	0.018926179	3.07239E-06	1.133729815	2.433713675	0.01375151	0.000285593	9.456873894	0.001673688	0.004560811	4.96199E-05	0.000218373	0.000108658	0.059587162	1.99514E-06	7.63904E-05	0.000189162	0.00099169	0.000427495
2048 May	0.018936431	3.07403E-06	1.134326458	2.435007811	0.013759025	0.000285745	9.461837769	0.001674579	0.004563195	4.96468E-05	0.00021849	0.000108716	0.05961889	1.99618E-06	7.64312E-05	0.000189264	0.000992209	0.000427724
2048 Jun	0.019083519	3.10192E-06	1.132373214	2.434581518	0.013787814	0.000285946	9.393492699	0.001678986	0.004568101	4.97806E-05	0.000219449	0.00010879	0.059594508	1.99334E-06	7.66181E-05	0.000190594	0.000994936	0.000428636
2048 Jul	0.019065734	3.05666E-06	1.121848464	2.394667864	0.013490889	0.000280108	9.179510117	0.001651058	0.004567627	4.99119E-05	0.000214577	0.000106948	0.058624107	1.9925E-06	7.50457E-05	0.000188132	0.000991694	0.000417401
2048 Aug	0.018757375	2.93798E-06	1.108357191	2.329401493	0.012950708	0.000270044	8.914626122	0.001592663	0.00455098	4.89031E-05	0.000204929	0.000103678	0.05716306	1.99447E-06	7.20834E-05	0.000181647	0.000982576	0.000396828
2048 Sep	0.018388236	2.8258E-06	1.099544287	2.273971796	0.012458319	0.000261235	8.689534187	0.001536001	0.004537604	4.77109E-05	0.000196312	0.000100729	0.056011658	1.99448E-06	6.94098E-05	0.000175301	0.000973749	0.000378508
2048 Oct	0.018233327	2.77555E-06	1.09636867	2.248904228	0.012225522	0.000257304	8.585655212	0.00151004	0.004539305	4.75538E-05	0.000192359	9.93662E-05	0.055491272	1.99389E-06	6.81914E-05	0.000172402	0.000969483	0.000370134
2048 Nov	0.018247558	2.77814E-06	1.096541405	2.249685049	0.012231196	0.000257499	8.58644104	0.001510726	0.004540558	4.75481E-05	0.000192451	9.93996E-05	0.055512801	1.9939E-06	6.82339E-05	0.000172473	0.000969596	0.000370346
2048 Dec	0.01824805	2.7782E-06	1.096555829	2.249713182	0.012231349	0.000257503	8.586540222	0.001510744	0.00454064	4.75486E-05	0.000192453	9.94007E-05	0.055513587	1.99392E-06	6.82348E-05	0.000172475	0.00096961	0.00037035
2049 Jan	0.018248435	2.77822E-06	1.096560121	2.249722481	0.01223151	0.000257505	8.586558342	0.001510748	0.004540666	4.75494E-05	0.000192454	9.94009E-05	0.055513926	1.99393E-06	6.8235E-05	0.000172477	0.000969613	0.00037035
2049 Feb	0.018248813	2.77823E-06	1.096564293	2.249732256	0.012231717	0.000257505	8.586579323	0.001510752	0.004540684	4.75503E-05	0.000192454	9.94011E-05	0.055514276	1.99393E-06	6.82352E-05	0.000172479	0.000969615	0.000370351
2049 Mar	0.018249419	2.7783E-06	1.096590638	2.249786854	0.012232097	0.000257511	8.586777687	0.001510787	0.004540793	4.75519E-05	0.000192459	9.94034E-05	0.05551568	1.99398E-06	6.82368E-05	0.000172484	0.000969637	0.000370359
2049 Apr	0.018251693	2.77863E-06	1.096721649	2.250056028	0.012233607	0.000257542	8.587799072	0.001510967	0.004541335	4.75578E-05	0.000192481	9.94152E-05	0.055522352	1.99422E-06	6.82449E-05	0.000172505	0.000969753	0.000370403
2049 May	0.018267279	2.78074E-06	1.097359419	2.251595497	0.012245263	0.000257723	8.592538834	0.001512047	0.00454375	4.76091E-05	0.00019263	9.94836E-05	0.055561002	1.99519E-06	6.8295E-05	0.000172652	0.00097029	0.000370692
2049 Jun	0.018441381	2.80208E-06	1.09504652	2.248034	0.012265836	0.000257339	8.532111168	0.001512627	0.004549057	4.79002E-05	0.000192972	9.93639E-05	0.055490762	1.99223E-06	6.83005E-05	0.00017378	0.000972377	0.000370261
2049 Jul	0.018404489	2.7601E-06	1.086620688	2.215711117	0.012024049	0.000252581	8.377664566	0.001489572	0.004546916	4.80487E-05	0.000188856	9.78649E-05	0.054700796	1.99176E-06	6.69982E-05	0.000171579	0.000969016	0.000361054
2049 Aug	0.018177973	2.66808E-06	1.077109456	2.167022467	0.011619085	0.00024488	8.195329666	0.001445476	0.004537396	4.73565E-05	0.000181527	9.54124E-05	0.053610727	1.99532E-06	6.47442E-05	0.000166773	0.000962862	0.000345358
2049 Sep	0.017897779	2.58267E-06	1.070589304	2.125254869	0.011247623	0.000238244	8.032676697	0.001402238	0.00452715	4.64257E-05	0.000174981	9.3175E-05	0.052751284	1.99518E-06	6.2719E-05	0.000161935	0.000956049	0.000331467
2049 Oct	0.017782999	2.54294E-06	1.06806004	2.10505271	0.011061776	0.000235104	7.954699039	0.001381207	0.004529168	4.63194E-05	0.000171781	9.20698E-05	0.05233695	1.99455E-06	6.17382E-05	0.000159616	0.000952581	0.000324681
2049 Nov	0.017789841	2.54406E-06	1.068152785	2.105385542	0.011064092	0.000235186	7.955095768	0.001381483	0.004529858	4.63183E-05	0.000171816	9.20834E-05	0.052346457	1.99461E-06	6.17554E-05	0.000159646	0.000952652	0.000324761
2049 Dec	0.017790336	2.54412E-06	1.068171144	2.105420351	0.011064274	0.00023519	7.955220699	0.001381506	0.004529953	4.63191E-05	0.000171818	9.20848E-05	0.052347396	1.99464E-06	6.17565E-05	0.000159649	0.000952668	0.000324765
2050 Jan	0.017790683	2.54414E-06	1.068177342	2.105433226	0.01106443	0.000235192	7.955256939	0.001381512	0.004529985	4.63197E-05	0.000171819	9.20852E-05	0.052347802	1.99465E-06	6.17568E-05	0.000159651	0.000952673	0.000324766
2050 Feb	0.017790981	2.54415E-06	1.068181038	2.105441332	0.011064592	0.000235192	7.955274582	0.001381516	0.00453	4.63205E-05	0.00017182	9.20854E-05	0.052348085	1.99465E-06	6.1757E-05	0.000159653	0.000952675	0.000324767
2050 Mar	0.01779121	2.54417E-06	1.068186998	2.10545373	0.011064721	0.000235193	7.955314636	0.001381523	0.004530025	4.63211E-05	0.00017182	9.20859E-05	0.052348439	1.99466E-06	6.17573E-05	0.000159654	0.00095268	0.000324768
2050 Apr	0.017792953	2.54441E-06	1.068287134	2.105651855	0.0110658	0.000235215	7.956058502	0.001381652	0.00453045	4.63256E-05	0.000171836	9.20945E-05	0.052353386	1.99485E-06	6.17631E-05	0.00015967	0.000952769	0.000324798
2050 May	0.017804477	2.54569E-06	1.068776727	2.106641769	0.011072561	0.000235322	7.959558487	0.001382287	0.004532548	4.63618E-05	0.000171916	9.21367E-05	0.052379031	1.99572E-06	6.17915E-05	0.000159761	0.000953203	0.000324943
2050 Jun	0.017996261	2.5497E-06	1.065984845	2.097110271	0.011066576	0.000233782	7.905705929	0.001375642	0.004538542	4.69455E-05	0.000170968	9.16573E-05	0.052204985	1.99377E-06	6.14305E-05	0.000160304	0.000953891	0.000321896
2050 Jul	0.017974395	2.50917E-06	1.057575464	2.064963818	0.010833213	0.000229069	7.776108742	0.001352094	0.004535449	4.70859E-05	0.000166858	9.01466E-05	0.051436927	1.99227E-06	6.0132E-05	0.000158113	0.000950237	0.000312691
2050 Aug	0.017799551	2.4382E-06	1.050026298	2.027215719	0.010520489	0.000223112	7.639133453	0.001318065	0.004527043	4.65239E-05	0.000161195	8.82501E-05	0.050590131	1.99479E-06	5.83917E-05	0.000154375	0.000945345	0.000300586
2050 Sep	0.017604012	2.37806E-06	1.045428634	1.997940421	0.010261972	0.000218432	7.533298969	0.00128757	0.004518937	4.57894E-05	0.000156587	8.66804E-05	0.049992263	1.99505E-06	5.69659E-05	0.000150985	0.000940722	0.000290783
2050 Oct	0.017591607	2.37229E-06	1.045352817	1.995209098	0.010234236	0.000217984	7.523449898	0.001284449	0.004520854	4.57876E-05	0.0001561	8.65225E-05	0.049939897	1.99557E-06	5.68205E-05	0.000150645	0.000940441	0.000289738
2050 Nov	0.017593939	2.3726E-06	1.045479655	1.995450854	0.010235478	0.000218011	7.524353027	0.001284604	0.00452142	4.5793E-05	0.000156118	8.65329E-05	0.049946021	1.99582E-06	5.68275E-05	0.000150664	0.000940556	0.000289772
2050 Dec	0.017594311	2.37265E-06	1.045495629	1.995480895	0.010235632	0.000218015	7.524462223	0.001284624	0.004521498	4.57937E-05	0.000156121	8.65342E-05	0.049946811	1.99585E-06	5.68284E-05	0.000150666	0.00094057	0.000289776

Appendix D.2-33: F ZONE02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	3.9	0.0035	0.0011	0.000027	1.0	0.00055	0.34	2.7E-05	2.7E-05	1.4E-07	1.6E-04	7.7E-05	1.9E-04	2.0E-03	1.4E-07	1.6E+00	5.5E-07	1.9E-05	3.3E-05
Operations (2020-2043): Mean	853	1.0	1.3	0.045	335	0.13	277	4.7E-04	4.7E-04	2.6E-06	1.0E-02	3.0E-03	2.0E-01	1.3E-02	4.5E-06	6.8E+01	6.8E-05	3.6E-04	5.4E-04
Operations (2020-2043): Max	1509	2.1	2.7	0.09	690	0.18	414	8.0E-04	8.0E-04	4.1E-06	1.2E-02	3.9E-03	2.9E-01	2.4E-02	5.1E-06	9.4E+01	9.2E-05	4.3E-04	7.0E-04
Active Closure (2044-2050): Min	115	0.080	0.10	0.0041	31	0.041	44	4.6E-04	4.6E-04	2.5E-06	3.9E-03	6.4E-04	3.3E-02	8.3E-03	4.7E-06	1.6E+01	1.5E-05	9.9E-05	1.5E-04
Active Closure (2044-2050): Mean	224	0.18	0.23	0.0085	64	0.057	91	8.5E-04	8.5E-04	4.3E-06	5.0E-03	1.1E-03	6.5E-02	9.1E-03	4.9E-06	2.6E+01	2.5E-05	1.5E-04	2.3E-04
Active Closure (2044-2050): Max	742	0.68	0.86	0.030	221	0.14	308	9.3E-04	9.3E-04	4.7E-06	1.1E-02	3.3E-03	2.2E-01	1.3E-02	5.0E-06	7.5E+01	7.6E-05	4.0E-04	6.1E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2050)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-33: F ZONE02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	3.945042849	0.00350181	0.001053279	2.73579E-05	1.001298785	0.000547158	0.341973603	2.73579E-05	2.73579E-05	1.36789E-07	0.000161412	7.66021E-05	0.000188769	0.001983447	1.36789E-07	1.573078513	5.47158E-07	1.91505E-05	3.28295E-05
2032 Feb	9.118844986	0.008094325	0.002434621	6.32369E-05	2.314471245	0.001264738	0.790461421	6.32369E-05	6.32369E-05	3.16185E-07	0.000373098	0.000177063	0.000436335	0.004584677	3.16185E-07	3.636122704	1.26474E-06	4.42658E-05	7.58843E-05
2032 Mar	11.85971165	0.01052725	0.003166399	8.22441E-05	3.010135651	0.001644883	1.028051734	8.22441E-05	8.22441E-05	4.11221E-07	0.00048524	0.000230284	0.000567485	0.0059627	4.11221E-07	4.729038239	1.64488E-06	5.75709E-05	9.8693E-05
2032 Apr	13.99355602	0.012421353	0.00373611	9.70418E-05	3.551730633	0.001940836	1.213022709	9.70418E-05	9.70418E-05	4.85209E-07	0.000572547	0.000271717	0.000669589	0.007035532	4.85209E-07	5.579904556	1.94084E-06	6.79293E-05	0.00011645
2032 May	230.2013397	0.308943659	0.381103575	0.012988028	100.4892654	0.026828956	58.45228958	0.000208212	0.000208212	1.08818E-06	0.00267765	0.00097287	0.040877048	0.012296155	1.49001E-06	21.51557732	1.67595E-05	0.000168125	0.000277537
2032 Jun	550.0982666	0.736610293	0.943955064	0.032727577	242.7769775	0.072583728	143.2098999	0.000797854	0.000797854	4.107E-06	0.009258207	0.002046936	0.10590522	0.01406624	5.11095E-06	41.06678772	4.89258E-05	0.000314369	0.000366508
2032 Jul	422.5791016	0.561117053	0.722982347	0.025296222	187.4468842	0.073865943	110.6489487	0.00079112	0.00079112	4.04596E-06	0.006461872	0.001832834	0.081341974	0.012475718	4.81645E-06	32.26116562	2.82335E-05	0.000181361	0.000257569
2032 Aug	589.1403198	0.81352824	1.015715599	0.035181887	263.3979797	0.092254914	155.1578979	0.00070875	0.00070875	3.67086E-06	0.007688384	0.002120707	0.115241617	0.012962765	4.75478E-06	43.52199936	3.71181E-05	0.000280933	0.000321924
2032 Sep	777.5181274	1.112791777	1.357458234	0.046773881	349.9821167	0.109406196	207.1152802	0.000612369	0.000612369	3.23206E-06	0.010059838	0.002502773	0.148957446	0.01354802	4.68348E-06	54.4341774	5.39753E-05	0.000310654	0.000415272
2032 Oct	772.5866089	1.107737303	1.346384525	0.046415247	347.4758911	0.109734878	205.5654755	0.000634297	0.000634297	3.3403E-06	0.010252928	0.002512752	0.14801617	0.01393537	4.77976E-06	54.44021225	5.41018E-05	0.000313488	0.000415856

Appendix D.2-33: F ZONE02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2032 Nov	790.1309204	1.132113338	1.378625989	0.047510318	355.5644836	0.111477852	210.4012451	0.000629691	0.000629691	3.32132E-06	0.010330549	0.002551084	0.151340425	0.013928816	4.79536E-06	55.43239594	5.51037E-05	0.00031705	0.000423265
2032 Dec	780.8145142	1.118896008	1.362089753	0.04694321	351.3386536	0.110289656	207.8921661	0.000625471	0.000625471	3.29814E-06	0.010234904	0.002524161	0.14956221	0.013819025	4.75448E-06	54.81993484	5.44922E-05	0.000313911	0.000418617
2033 Jan	775.472168	1.111197829	1.351740956	0.046589553	348.8038025	0.109715164	206.3531036	0.000628389	0.000628389	3.31142E-06	0.010214209	0.002518279	0.148486957	0.01400815	4.75655E-06	54.64310455	5.42034E-05	0.00031451	0.000419544
2033 Feb	773.1976929	1.107635021	1.34695363	0.04642329	347.6715698	0.109391816	205.6478882	0.000629959	0.000629959	3.31865E-06	0.010199713	0.002519905	0.147971407	0.014237203	4.7585E-06	54.665802	5.40828E-05	0.000316067	0.00042265
2033 Mar	772.9942017	1.10718596	1.34617281	0.046395719	347.523407	0.10936223	205.5419312	0.000631563	0.000631563	3.32656E-06	0.010205044	0.002523913	0.14789097	0.014373492	4.7655E-06	54.74625778	5.40884E-05	0.000317269	0.000424787
2033 Apr	777.6626587	1.113786936	1.354071021	0.046667572	349.5914917	0.110022269	206.7550964	0.000636339	0.000636339	3.35143E-06	0.010271033	0.002541696	0.148761585	0.014536425	4.79876E-06	55.12845612	5.44259E-05	0.000319884	0.000428574
2033 May	624.6737671	0.867647409	1.049550176	0.036145512	275.068634	0.086172029	161.0716095	0.00072722	0.00072722	3.7667E-06	0.009254146	0.002482781	0.116059601	0.024261404	4.88033E-06	52.65671921	4.77375E-05	0.000384939	0.000550473
2033 Jun	665.6585083	0.902179182	1.148509741	0.039551456	295.6341248	0.083290197	174.3615417	0.000692251	0.000692251	3.60454E-06	0.009129867	0.002358957	0.125970274	0.017409876	4.82637E-06	49.9511795	5.2979E-05	0.000353645	0.000477773
2033 Jul	1108.668335	1.535261989	1.987405777	0.068098746	504.5462341	0.136215001	300.2593079	0.000440014	0.000440014	2.44955E-06	0.009427293	0.003145442	0.211291641	0.010415272	4.5769E-06	70.25157166	6.89576E-05	0.000324747	0.000536722
2033 Aug	1439.820313	2.010388136	2.593721151	0.08861775	657.456665	0.168206558	391.4277344	0.000268767	0.000268767	1.66961E-06	0.010858856	0.003779836	0.274611861	0.009817892	4.44751E-06	89.23778534	8.73894E-05	0.00040783	0.000670273
2033 Sep	669.3721313	0.962700546	1.155985713	0.039958131	299.7908325	0.099998422	177.0168762	0.000674867	0.000674867	3.51918E-06	0.009799764	0.002299534	0.128593355	0.01412274	4.75434E-06	48.73017883	4.79963E-05	0.000295114	0.000372653
2033 Oct	983.8662109	1.398477554	1.740674615	0.059750956	445.5978699	0.128021628	264.40625	0.000510211	0.000510211	2.76949E-06	0.010627467	0.002906775	0.1879154	0.012690578	4.63216E-06	65.50775909	6.53494E-05	0.000343541	0.000497745
2033 Nov	911.6540527	1.298978329	1.606187582	0.055199791	412.0939331	0.12164782	244.3230743	0.000549482	0.000549482	2.94892E-06	0.010473826	0.002769011	0.174272344	0.013062689	4.66726E-06	61.68473434	6.14677E-05	0.000332682	0.00046942
2033 Dec	910.8883057	1.29792881	1.604749322	0.055151235	411.7372742	0.121585637	244.1089172	0.000550036	0.000550036	2.95151E-06	0.010473318	0.002767686	0.174127936	0.013068968	4.6683E-06	61.64595795	6.14282E-05	0.000332592	0.000469135
2034 Jan	910.4645386	1.297322869	1.603932381	0.055123366	411.5367432	0.121541828	243.987381	0.000550279	0.000550279	2.95263E-06	0.010471892	0.002767177	0.174043491	0.013082158	4.66853E-06	61.63076401	6.14054E-05	0.000332625	0.000469172
2034 Feb	910.2735596	1.29703021	1.603538632	0.055109747	411.4428101	0.121516541	243.929245	0.000550407	0.000550407	2.95321E-06	0.010470825	0.002767226	0.174001485	0.01309817	4.66869E-06	61.63055038	6.13953E-05	0.000332727	0.000469373
2034 Mar	910.2863159	1.297037125	1.603529811	0.055109397	411.4444275	0.121518351	243.9288635	0.000550547	0.000550547	2.95391E-06	0.010471587	0.002767607	0.174000919	0.013108575	4.66937E-06	61.63834	6.13976E-05	0.000332826	0.000469543
2034 Apr	911.8901367	1.299315929	1.60633719	0.055205856	412.1670227	0.121732518	244.3564758	0.000551593	0.000551593	2.95949E-06	0.010490389	0.002772679	0.174305797	0.013137502	4.67795E-06	61.75089645	6.15067E-05	0.000333466	0.000470464
2034 May	900.5735474	1.277557135	1.581045747	0.054315574	406.1952209	0.119112328	240.5724487	0.000565883	0.000565883	3.02761E-06	0.010394724	0.00280071	0.171481386	0.014958048	4.71763E-06	62.27698135	6.12548E-05	0.000349216	0.000500219
2034 Jun	1198.125	1.664757371	2.140611887	0.073224828	543.8790283	0.138977647	323.2911987	0.000410955	0.000410955	2.32326E-06	0.010787727	0.003340599	0.227732942	0.012735615	4.6127E-06	77.23538208	7.9555E-05	0.000402928	0.000625904
2034 Jul	1046.925049	1.447644114	1.873704076	0.064253367	476.1331177	0.131516278	283.2711182	0.000472105	0.000472105	2.59571E-06	0.0090404	0.003039011	0.199508026	0.010728638	4.60114E-06	66.89266205	6.44886E-05	0.000307274	0.000511694
2034 Aug	1509.082397	2.107715607	2.722355843	0.0929735	689.5544434	0.174349129	410.6816406	0.000232416	0.000232416	1.50404E-06	0.011109537	0.003914743	0.287565887	0.00954695	4.42004E-06	92.9378891	9.14852E-05	0.000417519	0.000698623
2034 Sep	1071.981934	1.51948452	1.904783964	0.065305144	486.4780579	0.135837376	288.9073181	0.000463328	0.000463328	2.55573E-06	0.010801569	0.003075702	0.204587251	0.012237719	4.59451E-06	70.176651	7.0022E-05	0.000356997	0.000532202
2034 Oct	1011.742615	1.437119722	1.792094707	0.061495636	458.4725647	0.130705193	272.1091309	0.000500712	0.000500712	2.72847E-06	0.010733003	0.002965535	0.193193108	0.012643128	4.64629E-06	67.05626678	6.69153E-05	0.000348792	0.000509284
2034 Nov	1047.166504	1.48608923	1.857725739	0.063719809	474.8674622	0.133985519	281.9266357	0.000485347	0.000485347	2.6599E-06	0.010840212	0.003036957	0.199893326	0.012526848	4.64814E-06	68.98173523	6.8866E-05	0.000354848	0.000523596
2034 Dec	1045.263672	1.48348248	1.85414958	0.063599087	473.9807739	0.133832067	281.3941956	0.00048675	0.00048675	2.66646E-06	0.010839169	0.00303369	0.19953455	0.012542909	4.65086E-06	68.88572693	6.87681E-05	0.000354631	0.000522889
2035 Jan	1044.057251	1.481764436	1.851835489	0.063520208	473.4116211	0.133708879	281.0497131	0.000487419	0.000487419	2.66952E-06	0.010835136	0.003032117	0.199295685	0.012576212	4.65142E-06	68.83964539	6.87031E-05	0.000354685	0.00052292
2035 Feb	1043.524536	1.480957508	1.850746393	0.063482635	473.1509094	0.13364166	280.8888245	0.000487789	0.000487789	2.67123E-06	0.010832529	0.003032149	0.19918029	0.01261675	4.65193E-06	68.83636475	6.8675E-05	0.000354936	0.000523402
2035 Mar	1043.441406	1.480811834	1.850520372	0.063474767	473.1028442	0.133631572	280.8569336	0.000488088	0.000488088	2.67269E-06	0.010833261	0.00303277	0.19915697	0.012641354	4.65314E-06	68.84825134	6.86734E-05	0.000355144	0.000523768
2035 Apr	1047.299072	1.486270547	1.857316971	0.063707836	474.8459473	0.134125933	281.8898315	0.000490085	0.000490085	2.68353E-06	0.01087422	0.003044474	0.199888989	0.012702703	4.67124E-06	69.11269379	6.89294E-05	0.000356591	0.000525938
2035 May	1059.783813	1.50013113	1.876724243	0.064353779	480.0426025	0.134735227	284.8410034	0.000501922	0.000501922	2.74505E-06	0.010965702	0.003112909	0.201840639	0.013980158	4.7527E-06	70.65722656	6.99866E-05	0.000372012	0.000553868
2035 Jun	912.2080078	1.255512595	1.616857767	0.055500656	411.5477295	0.109207667	244.3160858	0.000560431	0.000560431	3.00473E-06	0.009982036	0.002724333	0.174301207	0.012054409	4.73219E-06	60.39863205	6.58663E-05	0.00035246	0.000492914
2035 Jul	1011.413086	1.397020221	1.807917953	0.06201813	459.3693848	0.125871196	273.2405396	0.00049076	0.00049076	2.68067E-06	0.009221907	0.002941107	0.193026483	0.010512071	4.61524E-06	64.77916718	6.45746E-05	0.000312453	0.000497145
2035 Aug	1317.182007	1.839011312	2.365087509	0.080874383	600.5549927	0.157495022	357.240448	0.000333391	0.000333391	1.96394E-06	0.010450708	0.003538757	0.251820564	0.010353715	4.49634E-06	82.80789185	8.01081E-05	0.000394771	0.000619874
2035 Sep	938.0078125	1.333004236	1.655870557	0.056878608	424.3783875	0.123901598	251.6855011	0.000533653	0.000533653	2.87603E-06	0.010409109	0.002816819	0.179358318	0.01281983	4.64765E-06	63.01395035	6.24874E-05	0.000336424	0.000478524
2035 Oct	1107.209473	1.568827987	1.969533563	0.067503631	502.7234497	0.13929221	298.6238403	0.000452871	0.000452871	2.51159E-06	0.01096941	0.00315168	0.211237609	0.01222046	4.61982E-06	72.16278839	7.20957E-05	0.000363911	0.000547166
2035 Nov	1161.635132	1.643714547	2.071120262	0.07093934	528.00177	0.143994972	313.78302	0.000420705	0.000420705	2.36355E-06	0.01106425	0.003252983	0.221515268	0.011896387	4.58082E-06	75.01120758	7.49906E-05	0.000371614	0.000568239
2035 Dec	1157.237183	1.637661815	2.062914133	0.070661776	525.9594116	0.143613681	312.5583191	0.000423272	0.000423272	2.37535E-06	0.011056325	0.003244766	0.220684692	0.01192203	4.58382E-06	74.78062439	7.47563E-05	0.000370986	0.000566533
2036 Jan	1155.92334	1.635797381	2.060403585	0.070576273	525.3409424	0.143481106	312.1844177	0.000423986	0.000423986	2.3786E-06	0.011052011	0.003242947	0.220425919	0.011954632	4.58436E-06	74.72801208	7.46854E-05	0.000371012	0.000566502
2036 Feb	1155.277954	1.634835005	2.05911231	0.070531823	525.0289307	0.143402353	311.9930725	0.00042436	0.00042436	2.38031E-06	0.011048757	0.003242681	0.220289543	0.011993766	4.58465E-06	74.71736145	7.46506E-05	0.000371227	0.000566914
2036 Mar	1154.938477	1.634328127	2.058431149	0.070508383	524.864563	0.143360958	311.8921509	0.000424566	0.000424566	2.38125E-06	0.01104709	0.003242566	0.22021763	0.012015055	4.58485E-06	74.71224976	7.46324E-05	0.000371346	0.000567142
2036 Apr	1160.880371	1.64150691	2.067753553	0.070823438	527.256897	0.144042298	313.7481689	0.000424665	0.000424665	2.38328E-06	0.011085785	0.003263204	0.221484661	0.012178368	4.59996E-06	75.21762848	7.5051E-05	0.000374274	0.000572778
2036 May	1179.870483	1.664320707	2.097383499	0.07182657	534.8702393	0.146258533	319.6675415	0.000427431	0.000427431	2.402E-06	0.011227129	0.003331121	0.225546449	0.012727438	4.66034E-06	76.85269165	7.64413E-05	0.000384112	0.000591019
2036 Jun	945.7608643	1.245020628	1.605206847	0.055089749	407.9291382	0.120371088	273.84198	0.000508565	0.000508565	2.77031E-06	0.010358397	0.002903291	0.194616899	0.010541321	4.71013E-06	65.37610626	7.12693E-05	0.000357942	0.000511488
2036 Jul	1103.204224	1.45032084	1.877565384	0.064318083	476.5445862	0.144333094	324.3223877	0.000394705	0.000394705	2.24319E-06	0.009766446	0.003314059	0.227740109	0.010175964	4.54266E-06	75.07564545	7.38997E-05	0.000341601	0.000572056
2036 Aug	1298.526489	1.719113111	2.215021849	0.075723715	561.9985962	0.165353	382.4745178	0.000285672	0.000285672	1.7466E-06	0.010742815	0.003717081	0.268591166	0.009944662	4.46028E-06	87.51921082	8.54847E-05	0.000403383	0.000657089
2036 Sep	1246.270874	1.668419838	2.118252277	0.072459407	538.6749878	0.160629839	366.348114	0.000316878	0.000316878	1.88873E-06	0.011441669	0.003612285	0.257229865	0.010892615	4.48386E-06	84.99461365	8.50797E-05	0.000399839	0.000642086
2036 Oct	667.5803833	0.916054964	1.093506575	0.037822556	283.9818115	0.105354421	191.2730408	0.000665868	0.000665868	3.48609E-06	0.010173934	0.002418564	0.138336197	0.014262216	4.8227E-06	51.77302551	5.13896E-05	0.000306468	0.000396139
2036 Nov	940.2622681	1.270987034	1.575860739	0.054131094	403.9387817	0.131626651	273.7095947	0.000507213	0.000507213	2.76228E-06	0.01082592	0.002986761	0.194358125	0.012778386	4.69126E-06	67.50321198	6.73582E-05	0.000351538	0.000512712
2036 Dec	975.8597412	1.317199111	1.639057994	0.056265596	419.6239319	0.134949371	284.4988708	0.000483752	0.000483752	2.65408E-06	0.010888663	0.003058257	0.201668471	0.012538007	4.66068E-06	69.52213287	6.94108E-05	0.00035691	0.000527642
2037 Jan	973.1984863	1.313611269	1.634195805	0.056099877	418.4327698	0.134653375	283.6698303	0.000485371	0.000485371	2.66147E-06	0.010879046	0.003054475	0.201093689	0.012618118	4.66205E-06	69.41122437	6.92545E-05	0.00035704	0.000527714
2037 Feb	972.0257568	1.311922669	1.631903648	0.056020685	417.8882751	0.13449119	283.281189	0.000486258	0.000486258	2.66556E-06	0.010872735	0.003054515	0.200815082	0.012714873	4.66326E-06	69.40242767	6.91865E-05	0.000357636	0.000528856
2037 Mar	972.638916	1.312692523	1.63275671	0.056049686	418.1298523	0.134576052	283.4342957	0.000487368	0.000487368	2.67123E-06	0.010883307	0.003058476	0.200921923	0.01278409	4.66994E-06	69.48711395	6.92386E-05	0.000358422	0.000530162
2037 Apr	975.9233398	1.317092299	1.638169527	0.056235343	419.5292664	0.135030523	284.3768005	0.000489473	0.000489473	2.68253E-06	0.01092218	0.003069965	0.201589063	0.012862192	4.68784E-06	69.74511719	6.94772E-05	0.000359952	0.000532507
2037 May	794.7792358	1.035179019	1.281763673	0.043983839	331.8694763	0.110207632	231.7866058	0.0005915	0.0005915	3.1478E-06	0.009926703	0.002927317	0.164402798	0.021486618	4.77054E-06	65.09380341	6.11186E-05	0.000408687	0.000619206
2037 Jun	917.4473267	1.133448362	1.455598116	0.049950451	371.4075012	0.12525773	286.1525269	0.000535017	0.000535017	2.91235E-06	0.010736879	0.003134548	0.202834427	0.014318924	4.93557E-06	70.75855255	7.44133E-05	0.000401689	0.00059385
2037 Jul	1214.731445	1.512151361	1.958342075	0.066975169	496.2562561	0.165233076	386.5941772	0.000277445	0.000277445	1.70913E-06	0.010659634	0.003749092	0.270324379	0.009541539	4.45407E-06	87.55477905	8.6792E-05	0.000385804	0.000663506
2037 Aug	1260.876099	1.576782942	2.0302701	0.069397628	515.1572266	0.17149207	400.9367676	0.000250914	0.000250914	1.58829E-06	0.011030342	0.00384448	0.281280279	0.009754692	4.43402E-06	91.24580383	8.9401E-05	0.000417963	0.000684196
2037 Sep	1065.098145	1.348441005	1.700729012	0.058273122	433.7683105	0.151112974	336.7376099	0.000372749	0.000372749	2.14319E-06	0.011033755	0.003405239	0.237243041	0.011282991	4.52607E-06	79.25089264	7.87505E-05	0.000383495	0.000598411
2037 Oct	889.7203979	1.138158679	1.406244993	0.048335098	360.8905334	0.133078307	279.255249	0.000489187	0.000489187	2.67686E-06	0.010808188	0.003017161	0.198067427	0.012552661	4.64595E-06	68.45278168	6.83305E-05	0.000353134	0.000519661
2037 Nov	936.6162109	1.195598602	1.48446238	0.050978776	380.3300476	0.138071939	294.5635376	0.000462402	0.000462402	2.55582E-06	0.010951681	0.003125522	0.20849219	0.012322947	4.63481E-06	71.41338348	7.1333E-05	0.000362026	0.000541633
2037 Dec	935.1561279	1.193844676	1.48197186	0.050895166	379.7191772	0.137943715	294.078949	0.000463946	0.000463946	2.56312E-06	0.010952964	0.003122832	0.208167806	0.012342128	4.63862E-06	71.32993317	7.12476E-05	0.00036188	0.000541022
2038 Jan	933.8600464	1.192202568	1.479728818	0.05081876	379.1720886	0.13778846	293.6408386	0.000464817	0.000464817	2.56711E-06	0.010948063	0.003120823	0.207864374	0.01238381	4.63942E-06	71.27089691	7.11651E-05	0.000361944	0.000541045
2038 Feb	933.2439575	1.191370249	1.478597164	0.050779626	378.9039612	0.137696505	293.4202576	0.00046527	0.00046527	2.56918E-06	0.010944285	0.003120661	0.207706615	0.012433412	4.63987E-06	71.26193237	7.11256E-05	0.000362232	0.000541602
2038 Mar	933.1104736	1.191174746	1.478300929	0.050769307	378.8399658	0.137676254	293.3636169	0.000465618	0.000465618	2.57087E-06	0.010944599	0.00312125	0.207665667	0.012463144	4.64111E-06	71.27249908	7.11194E-05	0.000362468	0.000542022
2038 Apr	935.7530518	1.194533825	1.48243916	0.050911341	379.9072571	0.138065815	294.1860962	0.000467173	0.000467173	2.57932E-06	0.010976665	0.003130679	0.208247349	0.012516397	4.65535E-06	71.48616791	7.13231E-05	0.000363658	0.000543841
2038 May	896.3258057	1.127701759	1.399325252	0.048038498	359.7832336	0.13197872	282.6114807	0.000503991	0.000503991	2.75339E-06	0.010787797	0.003148404	0.199954659	0.015844282	4.74397E-06	71.50481415	6.99601E-05	0.000389112	0.000589498
2038 Jun	645.5249634	0.743661761	0.950959623	0.032831725	244.0814514	0.097804211	213.1894226	0.000624811	0.000624811	3.30039E-06	0.009671383	0.002537512	0.153008372	0.013537532	4.80398E-06	55.08486557	6.03495E-05	0.000346494	0.000469824
2038 Jul	1008.712402	1.175655842	1.521755695	0.052157808	386.3728333	0.150016278	343.7739868	0.000357991	0.000357991	2.07597E-06	0.010166153	0.003439625	0.241182163	0.009859543	4.51492E-06	78.93535614	7.87291E-05	0.000359971	0.00060069
2038 Aug	1211.930786	1.424584508	1.83413136	0.062692448	465.3961487	0.175798312	414.2582397	0.000225785	0.000225785	1.47384E-06	0.01121445	0.003937376	0.290303499	0.00958302	4.41503E-06	93.84622192	9.22323E-05	0.000425863	0.000703794
2038 Sep	957.6191406	1.147106528	1.431551099	0.049120147	366.1752625	0.147216156	324.4499512	0.000396112	0.000396112	2.2496E-06	0.011094957	0.003321971	0.228748724	0.011620062	4.54373E-06	76.9773941	7.69316E-05	0.00037666	0.000582631
2038 Oct	731.3519287	0.890508175	1.073591828	0.037066057	277.8523865	0.122665137	244.4323273	0.000572154	0.000572154	3.06228E-06	0.010666363	0.002794112	0.1745314	0.01345254	4.78056E-06	62.04362106	6.18062E-05	0.000337209	0.000472356
2038 Nov	855.0534668	1.032048583	1.26781404	0.043622274	326.005127	0.136835814	287.9299011	0.000495617	0.000495617	2.71622E-06	0.011070501	0.003101557	0.204149306	0.01279249	4.7468E-06	70.44966888	7.03315E-05	0.000362392	0.000534738
2038 Dec	845.282959	1.020918965	1.252404213	0.043102857	322.1954651	0.135752648	284.4824524	0.000502614	0.000502614	2.74829E-06	0.011046263	0.00307818	0.201809406	0.012860733	4.75409E-06	69.79718018	6.96687E-05	0.000360578	0.000529907
2039 Jan	841.2202148	1.01608777	1.245778799	0.042876966	320.5865173	0.135218427	282.9989319	0.000505399	0.000505399	2.76095E-06	0.011028142	0.003071274	0.200780049	0.013001543	4.75598E-06	69.59660339	6.93875E-05	0.000360783	0.00053001
2039 Feb	839.2866211	1.013621688	1.242420077	0.042760447	319.797699	0.134898648	282.246521	0.000506821	0.000506821	2.76742E-06	0.011014138	0.003070647	0.200240701	0.01317049	4.75689E-06	69.56557465	6.92509E-05	0.00036176	0.000531931
2039 Mar	840.2044067	1.014658928	1.243508577	0.042797405	320.1190796	0.135041252	282.4996033	0.000508786	0.000508786	2.77743E-06	0.011032372	0.003077515	0.200417206	0.013293367	4.76855E-06	69.71199036	6.93391E-05	0.00036314	0.000534224
2039 Apr	847.1947632	1.023059845	1.253699183	0.043147847	322.7661743	0.136161953	284.8180542	0.000513828	0.000513828	2.80455E-06	0.011127713	0.003105134	0.202060252	0.013466235	4.81194E-06	70.33236694	6.99232E-05	0.000366727	0.000539652
2039 May	911.9526367	1.089639783	1.341943502	0.046140734	345.0845642	0.145363495	309.3848572	0.000510354	0.000510354	2.80766E-06	0.011652079	0.003334868	0.219017565	0.0142569	4.98968E-06	76.0056839	7.54035E-05	0.00039358	0.000589851
2039 Jun	748.0418091	0.813680291	1.047005653	0.036086779	266.9451294	0.118495233	268.1967773	0.000533375	0.000533375	2.88965E-06	0.010408436	0.002866586	0.190944418	0.010498519	4.7893E-06	64.18996429	7.06238E-05	0.000355978	0.000500756
2039 Jul	614.1748047	0.658632874	0.850304425	0.029489456	218.4906311	0.111083068	220.4152069	0.000615666	0.000615666	3.26073E-06	0.008299608	0.002623421	0.156711355	0.011675392	4.81609E-06	54.53908157	5.18605E-05	0.000266678	0.000421807
2039 Aug	693.645813	0.761495888	0.959280252	0.033123888	247.3678284	0.122458063	248.8062134	0.000537942	0.000537942	2.89556E-06	0.008955012	0.002782477	0.178389713	0.011755337	4.65089E-06	61.65180588	5.7061E-05	0.000330791	0.000460349
2039 Sep	903.0970459	1.014956594	1.262552977	0.043355089	323.3968201	0.148100823	327.2489319	0.00039078	0.00039078	2.22531E-06	0.011067959	0.003340787	0.230694965	0.011533364	4.5397E-06	77.48903656	7.73002E-05	0.00037822	0.000586092

Appendix D.2-33: F ZONE02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2039 Oct	863.3657227	0.975249588	1.202489614	0.04134696	308.8162842	0.143952861	311.9627686	0.000436738	0.000436738	2.44213E-06	0.01115481	0.00325377	0.220379502	0.012143699	4.64586E-06	74.84898376	7.48118E-05	0.000373066	0.000567188
2039 Nov	843.0109863	0.954267383	1.171713114	0.040319107	301.3422546	0.14189744	304.1194153	0.000462179	0.000462179	2.56268E-06	0.011179442	0.003210718	0.215132877	0.012462038	4.70968E-06	73.50518799	7.3436E-05	0.000370798	0.000557354
2039 Dec	838.2946167	0.949363768	1.164632559	0.040082049	299.6144714	0.141393274	302.3121948	0.000467329	0.000467329	2.5869E-06	0.011179154	0.00320004	0.213918254	0.012523197	4.72085E-06	73.18505096	7.31091E-05	0.000370136	0.000555002
2040 Jan	835.0419922	0.945768416	1.159669042	0.039912906	298.4131165	0.140935123	301.0382385	0.000469644	0.000469644	2.59739E-06	0.011163334	0.003193801	0.213035062	0.012635083	4.7221E-06	73.00608063	7.2866E-05	0.000370229	0.000554934
2040 Feb	833.5861206	0.944039404	1.157280445	0.039829958	297.8590088	0.140679583	300.4238586	0.000470908	0.000470908	2.60318E-06	0.011152877	0.00319333	0.212595865	0.012772481	4.72336E-06	72.98057556	7.27558E-05	0.000371026	0.00055647
2040 Mar	835.298645	0.945935428	1.159459114	0.039904546	298.4525757	0.140963256	300.9925232	0.000473005	0.000473005	2.61412E-06	0.011180672	0.003202654	0.212995887	0.01288515	4.7382E-06	73.18569183	7.29143E-05	0.00037257	0.00055897
2040 Apr	843.7995605	0.955537915	1.171147346	0.04030659	301.4796448	0.142394856	304.0284729	0.000478453	0.000478453	2.64386E-06	0.011297197	0.003236798	0.21514295	0.013064779	4.78931E-06	73.9614563	7.36615E-05	0.0003768	0.00056542
2040 May	818.4958496	0.909214377	1.114246488	0.038325794	288.2442017	0.137433723	295.1448975	0.000530982	0.000530982	2.89863E-06	0.011259451	0.003311871	0.208737254	0.017282734	4.97686E-06	75.20865631	7.32519E-05	0.000413695	0.00062967
2040 Jun	635.0588989	0.641130269	0.800790548	0.027519587	209.252182	0.104916066	234.8456726	0.000574436	0.000574436	3.06539E-06	0.00955772	0.002955167	0.166121885	0.022156257	4.71298E-06	65.94765472	6.33144E-05	0.000427524	0.000657494
2040 Jul	726.9746704	0.735663831	0.929866731	0.031920563	240.5357666	0.119406544	273.3189697	0.000511684	0.000511684	2.78425E-06	0.010071162	0.003162818	0.192774877	0.019229673	4.70993E-06	71.7016983	7.05046E-05	0.000427234	0.000665164
2040 Aug	777.3209229	0.787835658	0.999436975	0.034287315	257.6800537	0.127639845	294.0262146	0.000481439	0.000481439	2.65047E-06	0.01031774	0.003297012	0.207049191	0.018270325	4.72494E-06	75.26128387	7.40773E-05	0.000430888	0.000678689
2040 Sep	809.6311035	0.822416604	1.044326663	0.035816401	268.736908	0.133231312	307.4690552	0.000457625	0.000457625	2.54274E-06	0.010467748	0.003373798	0.216391087	0.017390097	4.71391E-06	77.41737366	7.62068E-05	0.00043134	0.000682205
2040 Oct	810.9550171	0.825321257	1.046236038	0.035888005	269.2265015	0.133918166	308.1448975	0.00045676	0.00045676	2.53898E-06	0.010511527	0.003372555	0.216901556	0.017156778	4.71498E-06	77.40307617	7.62471E-05	0.000429103	0.000677683
2040 Nov	810.9900513	0.825522184	1.046257496	0.035889778	269.2395325	0.133985713	308.1627808	0.000457287	0.000457287	2.54163E-06	0.010519272	0.003372746	0.216922209	0.017147031	4.71774E-06	77.40231323	7.62503E-05	0.000428999	0.000677316
2040 Dec	810.8796387	0.825422525	1.046102285	0.03588463	269.2020569	0.133975148	308.1178284	0.000457429	0.000457429	2.5423E-06	0.010519485	0.003372475	0.216892272	0.017148079	4.71808E-06	77.39408875	7.62421E-05	0.000428976	0.000677242
2041 Jan	810.8095703	0.825354636	1.046000957	0.035881199	269.178009	0.133965984	308.0883179	0.000457499	0.000457499	2.54263E-06	0.010519308	0.003372344	0.216871977	0.017150788	4.71819E-06	77.3901062	7.62365E-05	0.000428979	0.000677237
2041 Feb	810.7832642	0.8253268	1.045958281	0.03587972	269.1686096	0.133961409	308.0758057	0.000457538	0.000457538	2.54281E-06	0.010519207	0.003372366	0.216863066	0.017154368	4.71829E-06	77.39019775	7.62344E-05	0.000429002	0.00067728
2041 Mar	810.8737793	0.825418353	1.046070337	0.03588355	269.1983337	0.133976251	308.1088562	0.000457619	0.000457619	2.54325E-06	0.010520513	0.003372814	0.216886252	0.017158534	4.71895E-06	77.40026093	7.62431E-05	0.00042907	0.00067739
2041 Apr	811.2265625	0.825777054	1.046522617	0.035899062	269.3152161	0.134034455	308.2421265	0.000457835	0.000457835	2.54444E-06	0.010525165	0.003374322	0.21698001	0.017167281	4.72108E-06	77.43473816	7.62764E-05	0.000429269	0.000677705
2041 May	812.9829712	0.82707113	1.048116803	0.035952795	269.7399902	0.134352207	309.0426941	0.000458481	0.000458481	2.54832E-06	0.010547768	0.003383739	0.217531979	0.017244603	4.73059E-06	77.65914917	7.64694E-05	0.000430633	0.000680153
2041 Jun	739.4887085	0.738317847	0.938453078	0.032273151	241.3617859	0.124700733	284.3522644	0.000494218	0.000494218	2.70666E-06	0.010290529	0.003132785	0.20099774	0.015325499	4.71539E-06	71.11407471	7.22912E-05	0.000400817	0.000610151
2041 Jul	750.8192139	0.736247778	0.940337777	0.032343168	241.0923157	0.128072172	294.2220154	0.00046767	0.00046767	2.58244E-06	0.010355003	0.003152536	0.207851559	0.013632436	4.66381E-06	71.85773468	7.40248E-05	0.000391895	0.000597217
2041 Aug	766.7825928	0.750708044	0.959210634	0.032986075	245.8331146	0.130978853	301.2246094	0.000464426	0.000464426	2.57207E-06	0.010482946	0.003210985	0.21269995	0.013623697	4.70336E-06	73.30387878	7.53653E-05	0.000396434	0.000606658
2041 Sep	780.3431396	0.763019204	0.97484982	0.033515278	249.7426453	0.133463919	307.4056091	0.000455764	0.000455764	2.53394E-06	0.010569112	0.003255957	0.216956332	0.013511901	4.70938E-06	74.50880432	7.64583E-05	0.000399378	0.000613572
2041 Oct	784.0447998	0.766527593	0.978277326	0.03363163	250.6204529	0.134387076	309.3498535	0.000451538	0.000451538	2.51443E-06	0.010602182	0.003268065	0.218287677	0.013430601	4.70369E-06	74.85970306	7.67465E-05	0.000399429	0.000614497
2041 Nov	784.1587524	0.766689181	0.978301167	0.033633113	250.637085	0.134455085	309.407959	0.000452126	0.000452126	2.51741E-06	0.010609808	0.003269164	0.218333647	0.013439264	4.70706E-06	74.88035583	7.67626E-05	0.000399542	0.000614559
2041 Dec	784.1552124	0.766692579	0.978290319	0.03363283	250.6355896	0.134458438	309.4049072	0.00045223	0.00045223	2.51793E-06	0.010610613	0.003269247	0.21833238	0.013440985	4.70755E-06	74.88121796	7.67633E-05	0.00039956	0.000614566
2042 Jan	784.1351318	0.766674936	0.978259861	0.033631809	250.62883	0.134456217	309.3954468	0.000452275	0.000452275	2.51815E-06	0.01061072	0.003269247	0.218325928	0.013442844	4.7077E-06	74.88071442	7.67619E-05	0.00039957	0.000614578
2042 Feb	784.1200562	0.766659796	0.978236675	0.033631001	250.6237335	0.13445349	309.388092	0.000452295	0.000452295	2.51824E-06	0.010610639	0.003269252	0.218320712	0.013444753	4.70774E-06	74.88062286	7.67606E-05	0.000399582	0.0006146
2042 Mar	784.182251	0.766720414	0.978311896	0.033633582	250.6434631	0.13446407	309.4119263	0.000452346	0.000452346	2.51852E-06	0.010611547	0.003269549	0.218337476	0.013447003	4.70818E-06	74.88730621	7.67668E-05	0.000399624	0.000614667
2042 Apr	784.9490967	0.767470062	0.979267299	0.033666424	250.8884735	0.134595528	309.7140503	0.000452798	0.000452798	2.52102E-06	0.010621962	0.003272767	0.218550667	0.013460827	4.71282E-06	74.96096039	7.68419E-05	0.000400021	0.000615279
2042 May	786.5715332	0.768634975	0.980572641	0.033710938	251.2655792	0.134907156	310.4042664	0.000455241	0.000455241	2.5338E-06	0.010653771	0.003284087	0.219033986	0.013601323	4.73035E-06	75.21140289	7.70429E-05	0.000401983	0.00061849
2042 Jun	757.8475342	0.730897486	0.933095098	0.032105517	239.1282501	0.131322518	301.5765076	0.000465229	0.000465229	2.57642E-06	0.010535374	0.003201133	0.21304822	0.01319695	4.71061E-06	73.07833862	7.55025E-05	0.000393528	0.000598903
2042 Jul	751.8997192	0.715719283	0.914968669	0.031491537	234.3503723	0.131601527	302.3374023	0.000460114	0.000460114	2.55156E-06	0.010500141	0.003192033	0.213568926	0.012725606	4.6918E-06	72.86216736	7.54798E-05	0.000388801	0.00059213
2042 Aug	756.6812744	0.714299023	0.912981033	0.031420734	233.8213501	0.133731261	306.6996765	0.000448482	0.000448482	2.49706E-06	0.010466151	0.003218073	0.2165723	0.012476048	4.66852E-06	73.59218597	7.57059E-05	0.000387639	0.000593199
2042 Sep	757.3739014	0.712533951	0.909786522	0.031312078	233.0524292	0.134604886	308.0875854	0.000444834	0.000444834	2.47997E-06	0.010460481	0.003226175	0.21756126	0.012388459	4.66127E-06	73.83676147	7.56956E-05	0.000387266	0.00059272
2042 Oct	758.012146	0.712348938	0.908495486	0.031267621	232.7500916	0.135056645	308.9186401	0.00044193	0.00044193	2.46614E-06	0.010476091	0.003230562	0.218121171	0.012346263	4.65329E-06	73.98448944	7.579E-05	0.000386982	0.000592814
2042 Nov	758.2758179	0.712600231	0.908762157	0.031277012	232.8219299	0.135118648	309.0316467	0.000442281	0.000442281	2.46799E-06	0.010481874	0.003231946	0.218202576	0.012353926	4.65593E-06	74.01450348	7.58194E-05	0.000387152	0.000593037
2042 Dec	758.28125	0.712608874	0.908765614	0.031277172	232.8234406	0.135121569	309.03302	0.000442337	0.000442337	2.46827E-06	0.010482376	0.003232017	0.218203977	0.012354908	4.65622E-06	74.015625	7.58205E-05	0.000387164	0.000593046
2043 Jan	758.2664795	0.712596178	0.908745468	0.031276494	232.8188019	0.135119557	309.0261841	0.000442357	0.000442357	2.46836E-06	0.010482362	0.003231996	0.218199298	0.012355774	4.65626E-06	74.01488495	7.58193E-05	0.000387167	0.000593049
2043 Feb	758.260376	0.712590277	0.908735991	0.031276163	232.816803	0.13511838	309.0229492	0.000442367	0.000442367	2.46841E-06	0.010482337	0.003232004	0.218197003	0.012356759	4.65629E-06	74.01496124	7.58188E-05	0.000387173	0.000593061
2043 Mar	758.2821045	0.712610662	0.908760905	0.031277016	232.8233948	0.135122195	309.0314331	0.000442388	0.000442388	2.46852E-06	0.010482671	0.003232115	0.218202963	0.012357705	4.65645E-06	74.01744843	7.5821E-05	0.00038719	0.000593087
2043 Apr	758.8634033	0.713156879	0.909456849	0.031300969	233.0018463	0.135225758	309.2681274	0.000442731	0.000442731	2.47044E-06	0.010490725	0.003234603	0.21837005	0.012367517	4.66004E-06	74.07439423	7.58791E-05	0.00038749	0.000593547
2043 May	759.5072021	0.713315785	0.909440696	0.031300303	233.0497437	0.135376617	309.5639343	0.000445314	0.000445314	2.48358E-06	0.010514013	0.003242877	0.2185781	0.012516211	4.67512E-06	74.24887085	7.59984E-05	0.000389227	0.000596356
2043 Jun	731.6373291	0.678310156	0.862777174	0.029700629	221.6394653	0.131279871	299.7043457	0.000458802	0.000458802	2.54264E-06	0.010363256	0.00319519	0.211663246	0.013524203	4.66274E-06	72.95179749	7.42589E-05	0.0003918	0.000600201
2043 Jul	737.2336426	0.679746509	0.865075886	0.029780636	222.1708679	0.132749334	303.2957153	0.000458178	0.000458178	2.54254E-06	0.010436634	0.003224087	0.214155555	0.013462479	4.68835E-06	73.64448547	7.4993E-05	0.000393625	0.000604094
2043 Aug	744.7192993	0.683924913	0.870491683	0.029965203	223.5294037	0.134500176	307.4316406	0.000456202	0.000456202	2.53611E-06	0.010510501	0.00325825	0.217032522	0.013447506	4.7114E-06	74.49674225	7.57598E-05	0.000396335	0.000609383
2043 Sep	748.3737183	0.684739888	0.871370077	0.029993625	223.7342224	0.135569274	309.979248	0.000451902	0.000451902	2.51675E-06	0.010536986	0.003275584	0.21879445	0.013369614	4.71025E-06	74.97350311	7.61516E-05	0.000397197	0.000611565
2043 Oct	744.8546753	0.680865586	0.865142822	0.029784018	222.2100067	0.135380536	308.9414063	0.000452916	0.000452916	2.52094E-06	0.010536133	0.00326686	0.218088537	0.013349182	4.70692E-06	74.7534256	7.59019E-05	0.000395923	0.000608953
2043 Nov	739.8897705	0.676266491	0.858075321	0.029546514	220.4807587	0.134851947	307.0285645	0.000455466	0.000455466	2.53207E-06	0.010522492	0.003252104	0.216784671	0.013348573	4.70428E-06	74.36643982	7.5491E-05	0.000394294	0.00060539
2043 Dec	739.8590698	0.676244855	0.858034253	0.029545182	220.4713745	0.134849876	307.0141907	0.000455543	0.000455543	2.53244E-06	0.010522828	0.003252057	0.216775313	0.013349636	4.70455E-06	74.36441803	7.54888E-05	0.000394295	0.000605374
2044 Jan	739.8451538	0.676233828	0.85801518	0.029544543	220.4671021	0.134848177	307.0074768	0.00045557	0.00045557	2.53257E-06	0.010522874	0.003252045	0.216770738	0.013350652	4.70463E-06	74.36382294	7.54877E-05	0.0003943	0.000605378
2044 Feb	739.8806763	0.676266253	0.85805428	0.029545883	220.4775848	0.134854555	307.0214233	0.000455608	0.000455608	2.53277E-06	0.010523444	0.003252237	0.216780558	0.013352468	4.70492E-06	74.36811829	7.54915E-05	0.000394329	0.000605425
2044 Mar	739.9694214	0.676347375	0.858156025	0.029549384	220.5039673	0.134870663	307.0578003	0.000455671	0.000455671	2.53312E-06	0.01052474	0.003252647	0.216806233	0.013354704	4.70553E-06	74.37742615	7.55006E-05	0.000394382	0.000605508
2044 Apr	740.1994019	0.676557481	0.858422101	0.029558543	220.572464	0.13491255	307.1529846	0.000455817	0.000455817	2.53393E-06	0.010528032	0.003253669	0.216873437	0.013359208	4.70701E-06	74.40075684	7.55241E-05	0.000394508	0.000605701
2044 May	741.8267212	0.677970827	0.86020565	0.029619886	221.0332642	0.135214761	307.8473816	0.000456828	0.000456828	2.53956E-06	0.01055159	0.003261182	0.217362493	0.013395176	4.71755E-06	74.57317352	7.56951E-05	0.000395449	0.000607181
2044 Jun	659.0432129	0.591644406	0.750848174	0.025941981	193.5679321	0.123170018	275.4405212	0.000507247	0.000507247	2.76454E-06	0.009715744	0.002937621	0.194613755	0.012637999	4.71135E-06	67.25249481	6.83703E-05	0.000363979	0.000548582
2044 Jul	518.1955566	0.458269328	0.581590772	0.020283986	151.332016	0.102096632	216.0745392	0.000620354	0.000620354	3.28033E-06	0.008155066	0.002341946	0.152867183	0.011343063	4.80293E-06	53.9234581	5.45553E-05	0.000305874	0.000440617
2044 Aug	402.9891663	0.351756483	0.446112514	0.015759526	117.6954193	0.084600821	166.5203857	0.000717168	0.000717168	3.7228E-06	0.006911718	0.001849668	0.118207432	0.010448404	4.89066E-06	42.93368149	4.30188E-05	0.000248368	0.000356639
2044 Sep	335.1989746	0.287870407	0.364652485	0.013030902	97.51361084	0.074279159	137.754715	0.000764838	0.000764838	3.93697E-06	0.006185438	0.001557871	0.098186664	0.009893776	4.89867E-06	36.5289917	3.62143E-05	0.000204601	0.000310368
2044 Oct	309.60849	0.263970643	0.334004879	0.012004511	89.93544006	0.070361838	126.8132172	0.000783051	0.000783051	4.01884E-06	0.005910008	0.001446924	0.090548895	0.009697739	4.90211E-06	34.1096611	3.36522E-05	0.000188248	0.000292679
2044 Nov	309.8507385	0.264160097	0.334183693	0.01201055	89.98231506	0.070418961	126.9380264	0.000782956	0.000782956	4.01847E-06	0.005915112	0.001448347	0.090637974	0.009702382	4.90262E-06	34.13975143	3.36824E-05	0.000188409	0.000292882
2044 Dec	309.8577881	0.26416707	0.334190577	0.01201081	89.98433685	0.070421018	126.9406967	0.000782986	0.000782986	4.01862E-06	0.00591535	0.001448392	0.090639979	0.009702815	4.90279E-06	34.14066696	3.36833E-05	0.000188415	0.00029289
2045 Jan	309.8562012	0.264165998	0.334188282	0.012010731	89.98384094	0.070420772	126.9398346	0.000782987	0.000782987	4.01863E-06	0.005915363	0.001448394	0.090639398	0.009703033	4.90279E-06	34.14065933	3.36832E-05	0.000188417	0.000292892
2045 Feb	309.8557739	0.264165699	0.334187388	0.012010696	89.98371124	0.070420623	126.9394913	0.000782989	0.000782989	4.01863E-06	0.005915368	0.001448401	0.090639144	0.009703284	4.9028E-06	34.14077759	3.36832E-05	0.000188419	0.000292896
2045 Mar	309.8769531	0.26418376	0.334209979	0.012011508	89.98983765	0.070425414	126.9480591	0.000783044	0.000783044	4.01891E-06	0.005915779	0.001448504	0.090645261	0.009704091	4.90314E-06	34.14319992	3.36855E-05	0.000188433	0.000292918
2045 Apr	309.9537659	0.264249235	0.33429265	0.012014478	90.01213837	0.070442855	126.9794693	0.000783239	0.000783239	4.01991E-06	0.005917249	0.001448866	0.090667687	0.009706578	4.90436E-06	34.15171051	3.36939E-05	0.000188481	0.000292992
2045 May	310.4524536	0.264674395	0.334830463	0.012033807	90.15695953	0.070556186	127.183754	0.000784499	0.000784499	4.02638E-06	0.005926772	0.001451198	0.09081354	0.009722233	4.91225E-06	34.2066803	3.37481E-05	0.000188784	0.000293464
2045 Jun	302.4880066	0.255411506	0.323194176	0.011639799	87.16782379	0.069424495	124.4051208	0.000786422	0.000786422	4.0337E-06	0.005863493	0.001424403	0.08887013	0.009601601	4.89997E-06	33.53791809	3.31977E-05	0.000187788	0.000287013
2045 Jul	276.9751892	0.230931982	0.292188585	0.010602708	79.38419342	0.065634914	113.7774658	0.000806668	0.000806668	4.12605E-06	0.005582132	0.001319653	0.081363261	0.009354365	4.91656E-06	31.14083099	3.07703E-05	0.000180945	0.000266355
2045 Aug	247.7045288	0.204104334	0.258103162	0.009465379	70.92588806	0.061190289	101.1172867	0.00083226	0.00083226	4.24338E-06	0.005261104	0.001193963	0.072501436	0.009131452	4.94324E-06	28.33526993	2.7805E-05	0.000166682	0.000244934
2045 Sep	225.7197113	0.183659047	0.232065529	0.008594058	64.50416565	0.057799462	91.65386963	0.000848684	0.000848684	4.31753E-06	0.005027277	0.001097743	0.065934077	0.00897336	4.94946E-06	26.24525261	2.5563E-05	0.00015063	0.000230695
2045 Oct	215.7095795	0.174537823	0.22043933	0.008205514	61.64562988	0.056228891	87.25512695	0.000856716	0.000856716	4.35399E-06	0.004917495	0.001053067	0.062867738	0.008909073	4.95435E-06	25.28384972	2.45347E-05	0.000143484	0.000224011
2045 Nov	215.7496643	0.174570948	0.220479846	0.00820703	61.65707016	0.056239646	87.27120209	0.000856883	0.000856883	4.35483E-06	0.004918479	0.001053271	0.062879391	0.008910872	4.95531E-06	25.28864288	2.45393E-05	0.000143512	0.000224053
2045 Dec	215.7577515	0.174577862	0.220487863	0.008207333	61.65937424	0.056241915	87.27439117	0.000856919	0.000856919	4.35502E-06	0.004918702	0.001053315	0.06288173	0.008911285	4.95551E-06	25.28964233	2.45403E-05	0.000143518	0.000224062
2046 Jan	215.7588654	0.17457889	0.220488802	0.008207369	61.65968323	0.056242242	87.27475739	0.000856925	0.000856925	4.35505E-06	0.004918743	0.001053324	0.062882014	0.008911429	4.95554E-06	25.28983307	2.45404E-05	0.00014352	0.000224064
2046 Feb	215.7605896	0.174580321	0.220490396	0.008207427	61.66017151	0.056242667	87.27539063	0.000856933	0.000856933	4.35509E-06	0.004918786	0.001053335	0.062882461	0.008911598	4.95559E-06	25.29009628	2.45406E-05	0.000143522	0.000224068
2046 Mar	215.7797089	0.174595788	0.220509857	0.008208151	61.66562653	0.056247633	87.28308105	0.000857009	0.000857009	4.35547E-06	0.004919224	0.00105343	0.062888004	0.008912441	4.95603E-06	25.29236794	2.45428E-05	0.000143535	0.000224088
2046 Apr	215.8620605	0.174662426	0.220593974	0.008211282	61.68916321	0.056269094	87.31637573	0.000857336	0.000857336	4.35714E-06	0.004921102	0.001053834	0.062911987	0.008915874	4.95792E-06	25.30204201	2.45522E-05	0.00014359	0.000224174
2046 May	216.1965637	0.174911305	0.220903069	0.008222538	61.77500534	0.056350466	87.46112823	0.000858312	0.000858312	4.36213E-06	0.004928161	0.001055605	0.06301523	0.008930471	4.96392E-06	25.34363747	2.45917E-05	0.000143838	0.000224567
2046 Jun	214.7786407	0.171897948	0.21711126	0.008089975	60.7569313	0.056190386	87.42321014	0.00085457	0.00085457	4.34342E-06	0.004933686	0.001056857	0.062994383	0.008896133	4.94515E-06	25.30979538	2.4662E-05	0.000145417	0.000223655

Appendix D.2-33: F ZONE02

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2046 Jul	206.2423096	0.162518367	0.205295801	0.007690538	57.73112106	0.054991957	84.32084656	0.000857063	0.000857063	4.35331E-06	0.004835702	0.001025169	0.060771868	0.008762276	4.93313E-06	24.56153488	2.39468E-05	0.000144916	0.000216195
2046 Aug	192.549469	0.150179818	0.189606234	0.007168136	53.84653091	0.052921977	78.32823944	0.000870159	0.000870159	4.41376E-06	0.004684872	0.000966057	0.056577027	0.008666094	4.95064E-06	23.24044991	2.25375E-05	0.000138407	0.000206115
2046 Sep	181.6476593	0.14004907	0.176623628	0.006732571	50.64955139	0.051233895	73.65281677	0.000876942	0.000876942	4.44374E-06	0.004568039	0.000918223	0.05334311	0.008586707	4.94704E-06	22.20725632	2.14097E-05	0.000129553	0.000199324
2046 Oct	176.3939056	0.135318354	0.170455039	0.006525288	49.13388062	0.050401319	71.35813141	0.000879779	0.000879779	4.45599E-06	0.004510969	0.000894942	0.051746566	0.008555095	4.94282E-06	21.706007	2.08677E-05	0.000125441	0.000195884
2046 Nov	176.4858856	0.135383502	0.170512766	0.006527237	49.14922714	0.050424017	71.40740204	0.000879751	0.000879751	4.45589E-06	0.004513097	0.000895528	0.051781867	0.008554305	4.94307E-06	21.71818352	2.088E-05	0.00012551	0.000195969
2046 Dec	176.4943542	0.135390416	0.170520708	0.006527545	49.15158081	0.050426614	71.41074371	0.000879798	0.000879798	4.45612E-06	0.004513355	0.000895576	0.051784337	0.0085548	4.94333E-06	21.71928215	2.0881E-05	0.000125517	0.000195979
2047 Jan	176.4951782	0.13539122	0.170521289	0.006527568	49.15180206	0.050426882	71.41098022	0.000879804	0.000879804	4.45615E-06	0.004513393	0.000895584	0.051784527	0.00855495	4.94336E-06	21.71945	2.08811E-05	0.000125518	0.000195981
2047 Feb	176.4974823	0.135393009	0.170523345	0.006527646	49.15243912	0.050427504	71.41184998	0.000879816	0.000879816	4.45621E-06	0.004513456	0.000895599	0.051785145	0.00855517	4.94342E-06	21.71980095	2.08814E-05	0.000125521	0.000195985
2047 Mar	176.5319977	0.135419518	0.170556605	0.006528919	49.16204453	0.05043735	71.42576599	0.000879988	0.000879988	4.45709E-06	0.00451434	0.000895776	0.05179524	0.008556901	4.94439E-06	21.72408295	2.08855E-05	0.000125546	0.000196025
2047 Apr	176.5753632	0.135452777	0.170598447	0.006530521	49.17411804	0.050449725	71.44329071	0.000880204	0.000880204	4.45818E-06	0.00451545	0.000895998	0.051807947	0.008559037	4.94561E-06	21.72943878	2.08906E-05	0.000125577	0.000196073
2047 May	176.8731842	0.135623291	0.170767471	0.006536286	49.22767258	0.050511874	71.57736206	0.000880788	0.000880788	4.46121E-06	0.004523175	0.000898543	0.051903341	0.008592511	4.94955E-06	21.78290939	2.09346E-05	0.00012604	0.000196784
2047 Jun	175.6277161	0.133720741	0.168107569	0.00644019	48.55688477	0.050250363	71.251091	0.000877227	0.000877227	4.44313E-06	0.004513731	0.00090068	0.05165666	0.008690757	4.92916E-06	21.78745651	2.09031E-05	0.000127933	0.00019792
2047 Jul	169.2423859	0.128047988	0.160920113	0.006204538	46.77871704	0.049365252	68.40254974	0.000887543	0.000887543	4.49232E-06	0.004446032	0.000873747	0.049634635	0.008656074	4.95797E-06	21.17109489	2.02668E-05	0.000127465	0.000192313
2047 Aug	161.0063629	0.120806314	0.151729777	0.00590116	44.51913071	0.04815384	64.71055603	0.000898218	0.000898218	4.54259E-06	0.004360906	0.000837815	0.047056764	0.008609826	4.98174E-06	20.36798096	1.94127E-05	0.000123672	0.000186165
2047 Sep	153.5439453	0.114153013	0.143223718	0.005616057	42.42668915	0.046958692	61.4151268	0.000902876	0.000902876	4.56311E-06	0.00428081	0.000804246	0.044783402	0.008552076	4.97859E-06	19.63844681	1.86242E-05	0.000117286	0.000181385
2047 Oct	149.9647369	0.111022256	0.139150828	0.005478898	41.42396927	0.046368256	59.82570648	0.000904318	0.000904318	4.56898E-06	0.004240309	0.000787925	0.043678436	0.008522548	4.97307E-06	19.28700066	1.82475E-05	0.000114277	0.000178962
2047 Nov	150.0076141	0.111054026	0.139162019	0.005479182	41.42701721	0.046379905	59.85211945	0.000904194	0.000904194	4.56838E-06	0.004241752	0.000788304	0.043697812	0.00852386	4.97266E-06	19.29374313	1.82545E-05	0.000114323	0.000179002
2047 Dec	150.0146027	0.111059561	0.139168307	0.005479433	41.42894363	0.046382207	59.85483551	0.00090424	0.00090424	4.56861E-06	0.004241984	0.000788344	0.043699834	0.008524327	4.97291E-06	19.29468727	1.82554E-05	0.000114329	0.000179011
2048 Jan	150.0174713	0.111061826	0.139170796	0.005479531	41.42972946	0.046383113	59.85590363	0.000904258	0.000904258	4.56871E-06	0.004242078	0.000788363	0.043700624	0.008524577	4.97301E-06	19.2951088	1.82557E-05	0.000114332	0.000179015
2048 Feb	150.0225525	0.111065619	0.139175355	0.005479711	41.43112564	0.046384647	59.85786819	0.000904289	0.000904289	4.56886E-06	0.004242224	0.000788392	0.043702055	0.008524956	4.97318E-06	19.29581642	1.82564E-05	0.000114337	0.000179023
2048 Mar	150.0234528	0.111066289	0.139176115	0.00547974	41.43136978	0.046384908	59.85819244	0.000904295	0.000904295	4.56889E-06	0.004242251	0.000788399	0.043702289	0.008525056	4.97321E-06	19.29596329	1.82565E-05	0.000114338	0.000179024
2048 Apr	150.0828552	0.111109793	0.139230356	0.005481867	41.4475174	0.046403021	59.88212585	0.00090464	0.00090464	4.57063E-06	0.004243903	0.000788716	0.043719716	0.008528496	4.97511E-06	19.30369377	1.82637E-05	0.000114384	0.000179098
2048 May	150.3327942	0.111294627	0.139461815	0.005490976	41.51642609	0.046480186	59.98194504	0.000906141	0.000906141	4.57822E-06	0.004250959	0.000790032	0.043792572	0.008542743	4.98337E-06	19.33588982	1.82941E-05	0.000114575	0.000179397
2048 Jun	148.5209351	0.10939467	0.137063786	0.005406426	40.86531448	0.046104833	59.3192215	0.000902746	0.000902746	4.56071E-06	0.004236809	0.00078481	0.043336306	0.008498995	4.96131E-06	19.16489983	1.81902E-05	0.000114808	0.000177597
2048 Jul	143.8471069	0.105083928	0.131617039	0.005222532	39.46573257	0.045341548	57.34502029	0.000904344	0.000904344	4.56706E-06	0.004185372	0.000766683	0.041938297	0.008438442	4.95371E-06	18.70872307	1.77683E-05	0.000114812	0.000173169
2048 Aug	138.2581329	0.100220494	0.125436485	0.00501827	37.94481659	0.044516087	54.83081436	0.000911234	0.000911234	4.5994E-06	0.004126073	0.000742411	0.040183246	0.008406657	4.968E-06	18.16144753	1.71792E-05	0.000112282	0.000168953
2048 Sep	133.0140533	0.095675074	0.119624868	0.004823931	36.5229454	0.043666504	52.46401978	0.000914977	0.000914977	4.61612E-06	0.004069922	0.000718372	0.038552985	0.008371694	4.96771E-06	17.64240074	1.66134E-05	0.00010753	0.000165681
2048 Oct	130.4577637	0.093493104	0.116785698	0.004728255	35.82569122	0.043234702	51.31025696	0.00091591	0.00091591	4.61981E-06	0.004040005	0.000706443	0.037750799	0.008350844	4.96312E-06	17.38773537	1.63383E-05	0.000105239	0.000163968
2048 Nov	130.4671783	0.093511514	0.116776519	0.004727949	35.82457733	0.043241329	51.31545258	0.000915915	0.000915915	4.61984E-06	0.004041435	0.000706683	0.037755832	0.008353109	4.96319E-06	17.39086533	1.63415E-05	0.000105276	0.000163986
2048 Dec	130.4720764	0.093515366	0.116780736	0.004728124	35.82592392	0.04324308	51.31731796	0.000915952	0.000915952	4.62003E-06	0.004041617	0.000706713	0.03775724	0.008353484	4.96339E-06	17.39156151	1.63421E-05	0.000105281	0.000163992
2049 Jan	130.4729767	0.093516134	0.116781384	0.004728151	35.82616043	0.04324339	51.31760406	0.00091596	0.00091596	4.62006E-06	0.004041656	0.000706721	0.037757456	0.00835362	4.96342E-06	17.39172554	1.63423E-05	0.000105282	0.000163994
2049 Feb	130.4737549	0.09351673	0.116781965	0.004728174	35.82637024	0.043243613	51.31785583	0.000915965	0.000915965	4.62009E-06	0.004041682	0.000706728	0.037757639	0.008353747	4.96345E-06	17.39187813	1.63424E-05	0.000105283	0.000163996
2049 Mar	130.4829407	0.093523324	0.116790138	0.004728504	35.82889175	0.043246642	51.32143784	0.00091603	0.00091603	4.62042E-06	0.004041967	0.000706779	0.037760276	0.008354378	4.9638E-06	17.39312744	1.63435E-05	0.000105291	0.000164009
2049 Apr	130.5305634	0.093557477	0.116832726	0.004730228	35.84196854	0.043262415	51.34015656	0.000916364	0.000916364	4.6221E-06	0.004043444	0.000707038	0.037774049	0.008357452	4.96561E-06	17.39949226	1.63495E-05	0.00010533	0.000164069
2049 May	130.7367401	0.093701966	0.117010869	0.004737395	35.89678955	0.043329053	51.42245102	0.000917736	0.000917736	4.62903E-06	0.004049766	0.000708205	0.037834417	0.008371403	4.97309E-06	17.42775726	1.63757E-05	0.000105508	0.000164346
2049 Jun	129.0898895	0.09215863	0.115045115	0.004667412	35.36035156	0.042954899	50.75886917	0.000914353	0.000914353	4.61158E-06	0.004036128	0.00070335	0.03737827	0.008339435	4.95106E-06	17.26546669	1.62709E-05	0.000105713	0.000162776
2049 Jul	125.661911	0.089138389	0.111231975	0.004539113	34.3832283	0.04239326	49.26701355	0.000915969	0.000915969	4.61842E-06	0.003994718	0.000689446	0.036315605	0.008296	4.94734E-06	16.92235184	1.59417E-05	0.000105811	0.000159426
2049 Aug	121.9103241	0.085901938	0.107134141	0.004406555	33.39678574	0.041896798	47.52904129	0.000923978	0.000923978	4.657E-06	0.003961053	0.000673009	0.035104491	0.00829538	4.97338E-06	16.56073761	1.55471E-05	0.000104226	0.00015675
2049 Sep	118.0420303	0.08259771	0.102893874	0.00426467	32.36181259	0.04126285	45.77047348	0.000926581	0.000926581	4.66853E-06	0.003919384	0.000655048	0.03389477	0.008269878	4.97226E-06	16.17532539	1.51243E-05	0.000100486	0.000154394
2049 Oct	116.1415405	0.081003889	0.100801311	0.004194052	31.84929466	0.040938389	44.90599823	0.000927139	0.000927139	4.67059E-06	0.003897077	0.000646105	0.033294395	0.008254929	4.96811E-06	15.98521709	1.49173E-05	9.86806E-05	0.00015314
2049 Nov	116.1578293	0.081019551	0.100806504	0.004194283	31.85157776	0.04094509	44.91376114	0.000927204	0.000927204	4.67092E-06	0.003898042	0.000646279	0.033300579	0.008256547	4.9685E-06	15.98823643	1.49203E-05	9.87063E-05	0.000153162
2049 Dec	116.1627121	0.081023209	0.100810595	0.004194457	31.8529129	0.040946905	44.91559982	0.000927245	0.000927245	4.67112E-06	0.003898228	0.000646309	0.033301964	0.00825694	4.96871E-06	15.98893642	1.4921E-05	9.8711E-05	0.000153169
2050 Jan	116.1640625	0.081024267	0.100811668	0.004194502	31.85328102	0.040947385	44.91607666	0.000927256	0.000927256	4.67118E-06	0.003898282	0.000646319	0.033302326	0.008257097	4.96877E-06	15.98916245	1.49212E-05	9.87127E-05	0.000153171
2050 Feb	116.1646423	0.081024691	0.100812085	0.004194519	31.85343361	0.04094756	44.91625595	0.000927261	0.000927261	4.6712E-06	0.003898303	0.000646324	0.03330246	0.008257198	4.9688E-06	15.98927593	1.49212E-05	9.87138E-05	0.000153173
2050 Mar	116.1660843	0.081025712	0.100813292	0.004194569	31.85382843	0.040948052	44.91679001	0.000927272	0.000927272	4.67126E-06	0.003898352	0.000646333	0.033302851	0.008257332	4.96886E-06	15.98949528	1.49214E-05	9.87153E-05	0.000153175
2050 Apr	116.1942825	0.081045397	0.100837737	0.004195585	31.86155891	0.040957984	44.92768097	0.000927497	0.000927497	4.67239E-06	0.003899298	0.00064649	0.033310927	0.008259356	4.97006E-06	15.99338627	1.4925E-05	9.87394E-05	0.000153213
2050 May	116.3268356	0.081137575	0.100951001	0.004200294	31.89762688	0.041004274	44.9785881	0.00092855	0.00092855	4.6777E-06	0.003903803	0.000647258	0.033348702	0.008269511	4.97571E-06	16.01211357	1.49423E-05	9.88603E-05	0.000153399
2050 Jun	115.3796768	0.080283739	0.099827215	0.00415999	31.59540176	0.040775478	44.5714035	0.000926692	0.000926692	4.66808E-06	0.003898567	0.000645282	0.033070609	0.008271442	4.96325E-06	15.92900562	1.48891E-05	9.92458E-05	0.000152771
2050 Jul	115.0263672	0.079882942	0.099321678	0.004141026	31.4473362	0.040678814	44.4630127	0.000924642	0.000924642	4.65774E-06	0.003896307	0.000644946	0.032999661	0.008257719	4.95222E-06	15.89547062	1.48779E-05	9.93358E-05	0.000152368
2050 Aug	115.4213104	0.080124803	0.099619456	0.004153307	31.54049492	0.040815931	44.63254547	0.000927247	0.000927247	4.6709E-06	0.003908973	0.000647427	0.033124849	0.008283607	4.96652E-06	15.9513731	1.49291E-05	9.9675E-05	0.000152873
2050 Sep	115.5160446	0.080176905	0.099637263	0.004153933	31.54722214	0.040848467	44.68845749	0.000927275	0.000927275	4.67109E-06	0.003912479	0.000648344	0.033167444	0.008288805	4.9671E-06	15.96773815	1.49435E-05	9.97979E-05	0.00015298
2050 Oct	115.6045074	0.080241896	0.099699557	0.004156543	31.56773376	0.040880639	44.72563934	0.000927869	0.000927869	4.67409E-06	0.00391594	0.000648948	0.033195458	0.0082955	4.97035E-06	15.9809885	1.49562E-05	9.98883E-05	0.000153097
2050 Nov	115.6410904	0.080267504	0.099730857	0.004157851	31.57767677	0.040893652	44.73979568	0.000928162	0.000928162	4.67557E-06	0.0039172	0.000649156	0.033205986	0.008298159	4.97192E-06	15.98607731	1.49609E-05	9.99204E-05	0.000153145
2050 Dec	115.645546	0.08027076	0.099734619	0.004158009	31.57889175	0.040895279	44.74148941	0.000928199	0.000928199	4.67575E-06	0.003917365	0.000649183	0.033207264	0.008298506	4.97212E-06	15.98671246	1.49615E-05	9.99246E-05	0.000153151

Appendix D.2-33: F ZONE02

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	5.2E-05	1.0E-02	2.7E-07	9.1E-02	2.2E-01	5.6E-03	8.1E-06	3.4E-01	7.1E-05	3.8E-04	2.0E-05	6.3E-06	3.6E-06	8.5E-03	5.5E-08	2.7E-06	5.7E-05	4.2E-05	1.0E-03
Operations (2020-2043): Mean	4.2E-03	6.1E-02	2.7E-05	3.5E+00	3.4E+01	1.2E-01	2.8E-03	1.2E+02	1.3E-02	6.1E-03	9.2E-05	2.3E-03	8.7E-04	3.4E-01	1.7E-06	7.5E-04	1.3E-03	2.8E-03	5.1E-03
Operations (2020-2043): Max	5.8E-03	1.3E-01	3.6E-05	4.6E+00	4.9E+01	1.7E-01	0.00397	2.4E+02	1.9E-02	9.0E-03	4.1E-04	3.3E-03	1.3E-03	4.6E-01	2.0E-06	1.1E-03	1.6E-03	3.5E-03	7.5E-03
Active Closure (2044-2050): Min	1.3E-03	2.1E-02	4.7E-06	1.3E+00	6.0E+00	2.1E-02	4.7E-04	1.2E+01	2.4E-03	4.6E-03	5.1E-05	3.6E-04	1.7E-04	7.6E-02	1.8E-06	1.2E-04	2.5E-04	1.1E-03	7.5E-04
Active Closure (2044-2050): Mean	1.8E-03	2.7E-02	8.9E-06	1.7E+00	1.1E+01	4.2E-02	9.0E-04	2.3E+01	4.5E-03	4.7E-03	6.5E-05	7.4E-04	3.1E-04	1.3E-01	1.9E-06	2.5E-04	4.6E-04	1.5E-03	1.6E-03
Active Closure (2044-2050): Max	4.5E-03	6.4E-02	3.0E-05	3.8E+00	3.7E+01	1.4E-01	3.0E-03	7.6E+01	1.4E-02	5.7E-03	1.4E-04	2.5E-03	9.7E-04	3.7E-01	2.0E-06	8.3E-04	1.4E-03	3.2E-03	5.5E-03
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than																			
Model Predictions (2020-2050)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-33: F ZONE02

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	5.198E-05	0.010395997	2.73579E-07	0.091375344	0.221051738	0.005608367	8.07058E-06	0.3433415	7.11305E-05	0.00038301	2.61541E-05	6.29231E-06	3.55653E-06	0.008508304	5.47158E-08	2.73579E-06	5.74516E-05	4.24047E-05	0
2032 Feb	0.00012015	0.024030026	6.32369E-07	0.211211294	0.510954261	0.012963567	1.86549E-05	0.793623269	0.000164416	0.000885317	6.04545E-05	1.45445E-05	8.2208E-06	0.019666681	1.26474E-07	6.32369E-06	0.000132798	9.80172E-05	0
2032 Mar	0.000156264	0.031252775	8.22441E-07	0.274695426	0.664532661	0.016860049	2.4262E-05	1.032163978	0.000213835	0.001151418	7.86254E-05	1.89162E-05	1.06917E-05	0.025577927	1.64488E-07	8.22441E-06	0.000172713	0.000127478	0
2032 Apr	0.000184379	0.036875892	9.70418E-07	0.324119657	0.78409785	0.019893572	2.86273E-05	1.217874765	0.000252309	0.001358585	9.2772E-05	2.23196E-05	1.26154E-05	0.030180007	1.94084E-07	9.70418E-06	0.000203788	0.000150415	0
2032 May	0.001081203	0.063474163	6.68285E-06	1.150217295	7.961019039	0.054158315	0.000578572	34.67975235	0.003019585	0.002845355	0.000202038	0.00050081	0.000199881	0.110417955	5.78032E-07	0.000165008	0.000560623	0.000799191	0.001022385
2032 Jun	0.002448765	0.0858711	1.94732E-05	2.320720196	17.98708344	0.078305528	0.001410425	84.10533905	0.007306045	0.00799567	0.000173348	0.001315107	0.000474576	0.20470266	1.99946E-06	0.000410024	0.001023629	0.002757132	0.002554378
2032 Jul	0.002137046	0.077956386	1.6733E-05	1.877658248	13.87909985	0.051750779	0.001169724	65.23919678	0.005671729	0.007556493	8.76097E-05	0.000919936	0.000365386	0.160684571	1.89212E-06	0.00032173	0.000499787	0.001798411	0.001960408
2032 Aug	0.002604779	0.056047287	1.94978E-05	2.39950037	19.11578941	0.068274222	0.001749823	90.87889862	0.007649308	0.006645052	1.98837E-05	0.001236454	0.000504284	0.213075414	1.85343E-06	0.000440527	0.000638542	0.001981101	0.002757851
2032 Sep	0.003358094	0.064427964	2.27418E-05	2.86388278	25.27194405	0.088030912	0.002264514	120.6153412	0.009907438	0.007813864	2.23594E-05	0.001648227	0.000648945	0.266749501	1.80848E-06	0.000584396	0.000907663	0.002279594	0.003692921
2032 Oct	0.003360788	0.066816419	2.28241E-05	2.871257067	25.11778831	0.087558113	0.002263578	119.7437515	0.009852738	0.00810974	2.27544E-05	0.001635178	0.000644441	0.266669273	1.84752E-06	0.000582347	0.00090763	0.00229061	0.003662476

Appendix D.2-33: F ZONE02

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2032 Nov	0.003421871	0.0665562	2.31739E-05	2.917803764	25.68501472	0.089472793	0.002306392	122.534523	0.010069562	0.008076353	2.2924E-05	0.001674059	0.000659127	0.271598488	1.85222E-06	0.000594609	0.000925523	0.002323706	0.00375045
2032 Dec	0.003384092	0.066071048	2.29291E-05	2.886544704	25.38269806	0.088430233	0.002280646	121.0776672	0.009951998	0.008017793	2.27122E-05	0.001654026	0.000651346	0.26858595	1.83666E-06	0.000587761	0.000915068	0.002299496	0.003705419
2033 Jan	0.00336837	0.067129739	2.28299E-05	2.879555464	25.21975899	0.088397369	0.002266748	120.2031021	0.009887819	0.008052353	2.54375E-05	0.001642064	0.000646906	0.267788887	1.83798E-06	0.000583947	0.000915139	0.002291647	0.003676893
2033 Feb	0.003363414	0.068353273	2.27852E-05	2.881949186	25.15889549	0.088866889	0.002259611	119.8126678	0.009861761	0.008077058	2.90394E-05	0.001636957	0.000645046	0.268012971	1.839E-06	0.000582201	0.000919913	0.002289269	0.003663467
2033 Mar	0.00336508	0.069071613	2.27907E-05	2.886809826	25.15906715	0.089221284	0.002258763	119.7614975	0.009860691	0.008099981	3.09377E-05	0.001636375	0.000644895	0.268465787	1.84184E-06	0.000582031	0.000923538	0.002290918	0.003661132
2033 Apr	0.00338679	0.069889046	2.29346E-05	2.907299042	25.31470299	0.0899655	0.002272267	120.4741058	0.009921073	0.008162518	3.21606E-05	0.001646176	0.000648801	0.270371646	1.85477E-06	0.000585536	0.000931217	0.002305978	0.003682499
2033 May	0.002935367	0.126297429	2.00228E-05	2.861569405	20.93362617	0.10821601	0.001745292	94.89413452	0.008163392	0.00900826	0.000373151	0.001348459	0.000541749	0.264132619	1.90232E-06	0.000466755	0.001166649	0.002301615	0.002833464
2033 Jun	0.002890892	0.09752395	2.09118E-05	2.718700171	21.94871712	0.101133764	0.001709311	102.2347336	0.008698637	0.007543068	0.000272278	0.001531956	0.000574904	0.250227779	1.8759E-06	0.000488534	0.001185756	0.002719561	0.003108736
2033 Jul	0.004404392	0.051448632	2.87573E-05	3.585416794	35.99425507	0.125188068	0.002882324	174.3474884	0.014036409	0.005165073	6.13591E-05	0.002432631	0.00093383	0.348163575	1.73561E-06	0.000801085	0.001216514	0.002910072	0.005412699
2033 Aug	0.005486303	0.03436191	3.44933E-05	4.442310333	46.64121246	0.159974009	0.0037634	226.8251495	0.018054437	0.003888367	3.00698E-05	0.003138927	0.001208535	0.440962911	1.65476E-06	0.001033202	0.001530242	0.003368799	0.007067918
2033 Sep	0.003004593	0.068721756	2.08906E-05	2.610154867	21.77873802	0.076379374	0.002013712	103.2963562	0.008584935	0.008344825	2.18518E-05	0.00140571	0.000558739	0.238278702	1.84649E-06	0.000510081	0.000799599	0.002109812	0.003142661
2033 Oct	0.004041407	0.05726691	2.64288E-05	3.364471674	31.93728256	0.110350132	0.002748172	153.6103668	0.012438913	0.006922453	2.35434E-05	0.002109717	0.000821486	0.321964562	1.76956E-06	0.00072654	0.001113295	0.002620876	0.004739259
2033 Nov	0.003806266	0.060237259	2.51689E-05	3.192817688	29.60596275	0.102548011	0.002581127	142.0470886	0.011553855	0.007292325	2.32164E-05	0.001947815	0.000760983	0.302879453	1.79005E-06	0.000677098	0.001042553	0.002504872	0.004372025
2033 Dec	0.003803883	0.060281601	2.51568E-05	3.191132307	29.5812645	0.102465816	0.002579418	141.9239655	0.01154452	0.007297819	2.32154E-05	0.001946086	0.000760341	0.302685231	1.79054E-06	0.000676581	0.001041822	0.002503778	0.004368096
2034 Jan	0.003802624	0.06035623	2.51491E-05	3.190518618	29.56822205	0.10245645	0.00257834	141.8547821	0.011539416	0.007300609	2.33975E-05	0.001945136	0.000759988	0.302615017	1.79067E-06	0.000676281	0.001041763	0.002503159	0.004365847
2034 Feb	0.003802172	0.060442224	2.51454E-05	3.19060421	29.56292343	0.102485232	0.002577769	141.8223877	0.011537204	0.007302498	2.36462E-05	0.001944707	0.000759832	0.302621633	1.79075E-06	0.000676137	0.00104206	0.002502941	0.004364748
2034 Mar	0.003802414	0.060496833	2.51467E-05	3.191060305	29.56383133	0.102514058	0.002577789	141.8229218	0.011537476	0.007304464	2.37847E-05	0.001944723	0.000759844	0.302664042	1.79102E-06	0.000676146	0.001042356	0.002503143	0.004364708
2034 Apr	0.003809221	0.060634091	2.51915E-05	3.196917534	29.6162014	0.102710314	0.002582321	142.071991	0.011557869	0.007318398	2.39055E-05	0.001948143	0.000761183	0.30321908	1.79432E-06	0.000677337	0.001044352	0.002507649	0.004372341
2034 May	0.003786598	0.070953757	2.50087E-05	3.235245705	29.35472488	0.107905425	0.002527667	140.0350952	0.011443069	0.007466523	8.61452E-05	0.001930306	0.000755495	0.306931406	1.81146E-06	0.000667366	0.001104866	0.00253982	0.004299975
2034 Jun	0.004680607	0.060464635	3.03225E-05	3.920124292	38.96681595	0.144612178	0.003094314	187.7309723	0.015149241	0.005396902	0.000135516	0.00266142	0.001010407	0.383241445	1.74269E-06	0.000863788	0.001507119	0.003300454	0.00582511
2034 Jul	0.004213206	0.054392301	2.76823E-05	3.434512138	34.01554108	0.118360505	0.002733195	164.5832672	0.013282076	0.005384844	6.37738E-05	0.00228885	0.000882777	0.331640422	1.75076E-06	0.000758041	0.001133124	0.002767638	0.005102501
2034 Aug	0.005721343	0.032688275	3.57109E-05	4.607291222	48.88342285	0.167447165	0.003925868	237.9026184	0.018901819	0.00366232	3.13875E-05	0.003294236	0.00126586	0.459436119	1.6376E-06	0.001081423	0.00160302	0.003481757	0.007419287
2034 Sep	0.0043276	0.053557824	2.79763E-05	3.574849367	34.78134537	0.119881406	0.002951638	167.7207947	0.013519861	0.006459303	2.39304E-05	0.002307283	0.000895461	0.345275432	1.74662E-06	0.000786757	0.001198802	0.002763564	0.005187346
2034 Oct	0.004136716	0.056649633	2.69653E-05	3.436291933	32.8381958	0.113383956	0.002815214	158.0528564	0.012782635	0.006844459	2.3773E-05	0.002171695	0.000844827	0.329667568	1.77274E-06	0.000745913	0.001141413	0.002671293	0.004879594
2034 Nov	0.004255191	0.055557158	2.76179E-05	3.524324179	33.98248291	0.117226422	0.002898921	163.7106018	0.013218222	0.006707645	2.40046E-05	0.002250758	0.000874496	0.339260876	1.77033E-06	0.000770364	0.001176673	0.002732081	0.005058757
2034 Dec	0.00424929	0.055669855	2.75879E-05	3.520162344	33.92111206	0.117022254	0.002894685	163.4045105	0.013195034	0.006721604	2.40027E-05	0.002246458	0.000872901	0.338779777	1.77159E-06	0.00076908	0.001174862	0.002729391	0.005048987
2035 Jan	0.00424565	0.055860158	2.7566E-05	3.518255949	33.88375473	0.116982594	0.002891643	163.2081146	0.013180468	0.006729104	2.44553E-05	0.002243755	0.000871896	0.338563979	1.77192E-06	0.000768229	0.001174565	0.002727585	0.005042623
2035 Feb	0.004244355	0.056078684	2.7556E-05	3.518354416	33.86871719	0.117048196	0.002890099	163.1181946	0.01317426	0.006734343	2.50749E-05	0.002242557	0.000871457	0.338566542	1.77219E-06	0.000767833	0.001175251	0.002726972	0.005039588
2035 Mar	0.004244492	0.056208946	2.75561E-05	3.519107103	33.86725616	0.117107227	0.002889831	163.101593	0.013173494	0.006738537	2.54177E-05	0.002242349	0.000871391	0.338635206	1.77268E-06	0.000767769	0.001175859	0.002727179	0.005038934
2035 Apr	0.004260455	0.056493636	2.76592E-05	3.532706738	33.99316406	0.11757917	0.002900493	163.7025146	0.013222356	0.006766148	2.57084E-05	0.002250623	0.000874615	0.33994174	1.7796E-06	0.000770607	0.001180606	0.002737504	0.00505742
2035 May	0.004320897	0.063463226	2.80059E-05	3.616804123	34.46405411	0.123032719	0.00291748	165.5090027	0.013395377	0.006913458	6.53583E-05	0.002282135	0.000887436	0.348272771	1.81129E-06	0.000778434	0.00123998	0.002802795	0.005108148
2035 Jun	0.003667297	0.065141164	2.53828E-05	3.161551476	29.65476608	0.112437174	0.002346371	142.1965332	0.011675684	0.006242768	0.000124821	0.002071264	0.000772657	0.2997666	1.81561E-06	0.000663129	0.001265146	0.003044178	0.004395218
2035 Jul	0.0040622	0.054416519	2.70575E-05	3.340046644	32.84004593	0.115166254	0.002631173	158.7832642	0.012854332	0.005512596	6.51776E-05	0.002231344	0.000853101	0.321069717	1.75957E-06	0.00073302	0.001147529	0.002827467	0.004922189
2035 Aug	0.005064714	0.036378961	3.23287E-05	4.15664196	42.66266632	0.146672055	0.00348547	207.1573944	0.01655094	0.004269386	2.40402E-05	0.002861164	0.001107085	0.408659965	1.68527E-06	0.000947965	0.001399987	0.003165282	0.006443279
2035 Sep	0.003883103	0.058111005	2.56207E-05	3.253503084	30.45219612	0.105423532	0.00263726	146.2948151	0.01187926	0.007022484	2.31545E-05	0.002007558	0.000783816	0.309562534	1.77982E-06	0.00069424	0.001063372	0.002546226	0.004507596
2035 Oct	0.004450849	0.053103961	2.8667E-05	3.667225122	35.92095947	0.123714417	0.003037896	173.3245544	0.013954194	0.006402133	2.42798E-05	0.002385359	0.000924803	0.355140299	1.75364E-06	0.000811483	0.001235519	0.002828713	0.00536406
2035 Nov	0.004626015	0.05062522	2.95938E-05	3.794080019	37.67763138	0.129584879	0.003162636	182.0493622	0.01462032	0.006093989	2.44794E-05	0.002507619	0.00097041	0.369372457	1.73316E-06	0.000848617	0.001288469	0.002913589	0.005641491
2035 Dec	0.004611835	0.050822515	2.95186E-05	3.783797741	37.53567505	0.129110366	0.003152542	181.3444519	0.014566481	0.006118522	2.44626E-05	0.002497742	0.000966725	0.368220508	1.73475E-06	0.000845615	0.001284186	0.002906699	0.005619081
2036 Jan	0.004607823	0.05101065	2.94947E-05	3.781586409	37.49478531	0.129055604	0.003149254	181.1310425	0.014550585	0.006126369	2.4897E-05	0.0024948	0.00096563	0.367971569	1.73509E-06	0.00084469	0.001283748	0.002904703	0.005612182
2036 Feb	0.004606104	0.051223211	2.94823E-05	3.78132534	37.4760437	0.129105404	0.003147433	181.023407	0.014542967	0.006131487	2.54979E-05	0.002493354	0.000965097	0.367937148	1.73527E-06	0.000844215	0.001284283	0.002903847	0.005608597
2036 Mar	0.004605215	0.051338725	2.94758E-05	3.781216621	37.46622467	0.129133493	0.003146474	180.9667206	0.014538969	0.006134311	2.58233E-05	0.002492593	0.000964816	0.36792165	1.73538E-06	0.000843965	0.001284583	0.002903409	0.005606705
2036 Apr	0.004632344	0.052107044	2.96265E-05	3.806259394	37.69926071	0.130349204	0.00316304	181.7921295	0.014626685	0.00614892	2.81951E-05	0.002507843	0.000970662	0.370496541	1.74084E-06	0.000848794	0.001296328	0.002919038	0.005639974
2036 May	0.00472025	0.054767523	3.01313E-05	3.888248444	38.44488907	0.134268045	0.003216005	184.4201965	0.014908718	0.006217306	3.8245E-05	0.002557035	0.000989623	0.378825873	1.76313E-06	0.0008643	0.001335084	0.002974129	0.00574599
2036 Jun	0.004012465	0.055057727	2.72957E-05	3.378794193	32.97387314	0.119195402	0.002620363	140.9301758	0.012946482	0.005801689	7.99363E-05	0.002296842	0.000857617	0.323730201	1.79729E-06	0.000737471	0.001314618	0.003173801	0.004935559
2036 Jul	0.004694619	0.048151989	3.02749E-05	3.801898241	38.80067444	0.13443248	0.003100677	164.657547	0.015095898	0.004854789	5.79491E-05	0.002622337	0.001005905	0.371982872	1.71422E-06	0.000861854	0.001302207	0.003038493	0.005850632
2036 Aug	0.005376947	0.035126541	3.39271E-05	4.365696907	45.59860992	0.156498477	0.003688002	193.8957672	0.017660417	0.003993189	2.94044E-05	0.003066679	0.001181884	0.432379872	1.66274E-06	0.001010784	0.001496385	0.003316231	0.00690452
2036 Sep	0.005239328	0.04262064	3.28818E-05	4.242141247	43.77731705	0.150002003	0.003598662	185.750061	0.016936345	0.005096669	2.5293E-05	0.002931449	0.001128844	0.419222176	1.67748E-06	0.000977819	0.001472729	0.003216162	0.006602895
2036 Oct	0.003196782	0.069270171	2.19622E-05	2.75299263	23.46306229	0.082032546	0.002146635	97.8373642	0.009225651	0.008414549	2.25895E-05	0.001519883	0.000601471	0.253336459	1.8693E-06	0.000547428	0.000857928	0.002211911	0.003400792
2036 Nov	0.004164321	0.057316471	2.7158E-05	3.46032691	33.03564835	0.114077263	0.002833673	139.2415009	0.012860541	0.00692554	2.39794E-05	0.002184393	0.000849882	0.331851304	1.79023E-06	0.000750562	0.001148756	0.002690791	0.004907963
2036 Dec	0.00428847	0.055498987	2.78121E-05	3.550003052	34.28523636	0.118251227	0.002922151	144.655838	0.01333421	0.006699704	2.41109E-05	0.002271421	0.000882329	0.341941714	1.77453E-06	0.00077695	0.001186342	0.002750596	0.005105472
2037 Jan	0.004279713	0.055956822	2.77594E-05	3.545417309	34.19532394	0.118155137	0.002914837	144.2447968	0.013299158	0.00671785	2.51967E-05	0.002264915	0.00087991	0.341422111	1.77534E-06	0.000774901	0.001185622	0.00274626	0.005090157
2037 Feb	0.004276563	0.056478612	2.77353E-05	3.545606852	34.15889359	0.118309967	0.002911107	144.0569916	0.01328413	0.006730369	2.66758E-05	0.002262019	0.000878849	0.341423482	1.77596E-06	0.000773944	0.001187244	0.002744762	0.005082828
2037 Mar	0.004280357	0.0568363	2.77579E-05	3.550282001	34.18305206	0.118547045	0.002912825	144.140213	0.013293055	0.006745883	2.75177E-05	0.002263354	0.000879403	0.341864467	1.77858E-06	0.000774419	0.00118966	0.002747484	0.00508538
2037 Apr	0.004295438	0.057212066	2.78545E-05	3.563662767	34.29996872	0.119040087	0.002922593	144.6225891	0.013338255	0.006775094	2.80816E-05	0.002270945	0.000882373	0.343147665	1.78545E-06	0.000777027	0.001194629	0.002757327	0.005102179
2037 May	0.003750515	0.107733712	2.44946E-05	3.410303354	28.99014091	0.129701257	0.002357789	114.4890442	0.011239657	0.007727444	0.000320858	0.001907593	0.000750131	0.325203001	1.83564E-06	0.000641995	0.00135106	0.002673705	0.004128797
2037 Jun	0.004253136	0.073938183	2.8515E-05	3.659545183	34.76618576	0.134894431	0.002736842	128.323761	0.013595468	0.006328815	0.000179187	0.002399834	0.000904329	0.351883024	1.88374E-06	0.000771587	0.001465847	0.003304826	0.005147746
2037 Jul	0.005444246	0.039556261	3.42027E-05	4.361920834	46.0630188	0.158387467	0.003665213	171.3739014	0.01783837	0.004051758	4.91249E-05	0.003114304	0.001192444	0.433593124	1.65886E-06	0.001019131	0.001526376	0.003376274	0.006984047
2037 Aug	0.0055969	0.032303829	3.50913E-05	4.533172131	47.75209808	0.163622782	0.003857247	177.7062073	0.018474372	0.003750477	2.59606E-05	0.003213054	0.00123728	0.450728993	1.64633E-06	0.001057514	0.001564856	0.003420783	0.007240485
2037 Sep	0.004878638	0.045448408	3.10104E-05	3.985813379	40.32749557	0.13852261	0.003344746	149.5667114	0.015632948	0.00544111	2.45393E-05	0.002693328	0.001040627	0.390619546	1.70385E-06	0.000903449	0.001360741	0.003043495	0.00606286
2037 Oct	0.004222641	0.055822495	2.7437E-05	3.500004292	33.67070389	0.116178341	0.002875962	124.3960953	0.013099436	0.006740965	2.39352E-05	0.002229252	0.000866415	0.336627066	1.77031E-06	0.000763686	0.001167018	0.002715178	0.005010038
2037 Nov	0.004404775	0.053853825	2.84275E-05	3.634232521	35.45155334	0.122148849	0.003004974	131.1059875	0.013776476	0.006495185	2.42435E-05	0.002352593	0.000912609	0.351391315	1.76094E-06	0.000801605	0.001221499	0.002806954	0.005289667
2037 Dec	0.004399649	0.053981394	2.84028E-05	3.630731583	35.3960228	0.121965021	0.003001262	130.8950043	0.013755578	0.006510948	2.42467E-05	0.002348674	0.000911164	0.350971818	1.76262E-06	0.000800455	0.001219897	0.002804789	0.00528075
2038 Jan	0.004395023	0.054220043	2.83751E-05	3.628289461	35.34843826	0.121911146	0.002997411	130.7062073	0.013737046	0.00652068	2.48052E-05	0.002345233	0.000909885	0.350694507	1.76308E-06	0.000799374	0.001219488	0.002802509	0.005272658
2038 Feb	0.004393123	0.054488435	2.8361E-05	3.628170967	35.32726288	0.121983089	0.002995296	130.6137238	0.013728375	0.006527012	2.55681E-05	0.002343578	0.000909276	0.350673378	1.76333E-06	0.000798828	0.001220248	0.002801574	0.005268513
2038 Mar	0.00439304	0.054646529	2.83595E-05	3.628893137	35.32337952	0.122048751	0.002994793	130.5916443	0.013726627	0.006531879	2.59895E-05	0.002343184	0.000909141	0.3507379	1.76385E-06	0.000798703	0.001220927	0.002801672	0.005267396
2038 Apr	0.004405792	0.054895826	2.84412E-05	3.639877081	35.42408371	0.122441754	0.003003231	130.9595337	0.013765621	0.006553682	2.63053E-05	0.002349786	0.000911713	0.351796478	1.76929E-06	0.000800959	0.001224871	0.002809891	0.005282106
2038 May	0.004310236	0.073969066	2.7831E-05	3.66744256	34.39567184	0.129687771	0.002867179	124.0566635	0.013348559	0.006927945	0.000135971	0.002278773	0.000886965	0.353791118	1.80856E-06	0.000771458	0.001314445	0.002840508	0.005064697
2038 Jun	0.003306393	0.075384803	2.34636E-05	2.932266474	26.14248466	0.104613274	0.002060973	84.45461273	0.010339054	0.006790729	0.000164743	0.001834297	0.000682702	0.274035007	1.85434E-06	0.000585289	0.001208982	0.002923536	0.003825656
2038 Jul	0.004917553	0.044962332	3.15047E-05	3.975250721	41.06707382	0.142161682	0.003272905	133.5174103	0.01595775	0.004603357	5.51863E-05	0.002784075	0.001064311	0.390987933	1.69689E-06	0.000911098	0.001390969	0.003186384	0.006205509
2038 Aug	0.005758295	0.030870458	3.5933E-05	4.649417877	49.30422974	0.168783933	0.003972698	160.5376892	0.019060981	0.003588209	2.58079E-05	0.003319933	0.001277039	0.463653892	1.63447E-06	0.001090988	0.001614913	0.003498087	0.007483375
2038 Sep	0.004746023	0.048534751	3.02278E-05	3.88111043	38.91015625	0.13370581	0.003248584	126.2365417	0.015087916	0.005833474	2.45552E-05	0.002593755	0.001002578	0.379213631	1.71488E-06	0.000874445	0.001324507	0.002971292	0.005837037
2038 Oct	0.003828613	0.062368177	2.53951E-05	3.21835947	29.6463604	0.102760457	0.002594265	95.73947906	0.011576195	0.007553024	2.36468E-05	0.00194821	0.000761868	0.304558337	1.83537E-06	0.000679052	0.001046991	0.002529867	0.004371893
2038 Nov	0.004345741	0.056734145	2.82053E-05	3.5993011	34.70602036	0.119722135	0.002960615	112.3620224	0.013499638	0.006849737	2.45146E-05	0.002298686	0.000893116	0.346480608	1.8079E-06	0.000786764	0.001201718	0.002790189	0.005166483
2038 Dec	0.004305612	0.057267956	2.79915E-05	3.570109367	34.30613327	0.118384726	0.002932077	111.0467377	0.013347906	0.006916156	2.44632E-05	0.002270889	0.000882736	0.343222022	1.81192E-06	0.000778295	0.001189619	0.002770547	0.00510342
2039 Jan	0.004289829	0.05807348	2.78961E-05	3.561758518	34.14504242	0.118209787	0.002918931	110.4914932	0.013285081	0.006947308	2.63937E-05	0.002259248	0.000878405	0.342281878	1.81316E-06	0.000774622	0.001188289	0.002762663	0.005076025
2039 Feb	0.004283264	0.058987036	2.78467E-05	3.561294317	34.0728569	0.118460782	0.002911641	110.2194443	0.013255456	0.006967583	2.90253E-05	0.00225361	0.000876328	0.342209101	1.81378E-06	0.000772748	0.001190924	0.002759359	0.005061896
2039 Mar	0.004289746	0.059622757	2.78853E-05	3.569402218	34.11355591	0.118875496	0.002914508	110.3301086	0.013270452	0.006994976	3.05257E-05	0.002255831	0.000877254	0.342972845	1.81837E-06	0.000773543	0.001195153	0.002764038	0.005066088
2039 Apr	0.004326468	0.060446721	2.81219E-05	3.601517677	34.39934921	0.120028228	0.002938574	111.2423859	0.013381146	0.007064523	3.16228E-05	0.00227446	0.000884535	0.346049905	1.83499E-06	0.00077995	0.001206777	0.002787988	0.005107466
2039 May	0.004659651	0.063690461	3.00866E-05	3.878121614	37.35524368	0.131860763	0.003158755	118.9487762	0.014511743	0.007123325	5.13026E-05	0.002475364	0.000961272	0.374484092	1.89828E-06	0.000843364	0.001322711	0.002991204	0.005551794
2039 Jun	0.003944962	0.055848531	2.70839E-05	3.330758095	32.30768204	0.116667546	0.002567265	92.31782532	0.012708549	0.005974404	7.69413E-05	0.002258166	0.000840848	0.317796409	1.83076E-06	0.000723672	0.001300972	0.003187667	0.004833357
2039 Jul	0.003473358	0.065264061	2.39648E-05	2.891018629	26.70902061	0.094489716	0.002166283	75.81352997	0.010535663	0.006421964	7.52859E-05	0.001795945	0.000695387	0.270669848	1.85687E-06	0.000600392	0.000915271	0.002470179	0.003957365
2039 Aug	0.003750663	0.04797183	2.54771E-05	3.210991383	30.02881432	0.104658701	0.002546537	85.36773682	0.011776145	0.005588633	2.49959E-05	0.001991031	0.00078348	0.303491861	1.78185E-06	0.000675519	0.000992456	0.002535819	0.004466143
2039 Sep	0.004775264	0.047723357	3.04064E-05	3.904865742	39.23220062	0.134806022	0.003269966	111.4855042	0.015212302	0.005729968	2.4533E-05	0.002616479	0.001011327	0.381785482	1.71237E-06	0.000880946	0.001332181	0.00298777	0.005888573

Appendix D.2-33: F ZONE02

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2039 Oct	0.004616186	0.052064668	2.95991E-05	3.791934729	37.4814415	0.128970399	0.003154162	106.4433517	0.014549656	0.0062707	2.46833E-05	0.00249268	0.000965229	0.368501186	1.75978E-06	0.000845054	0.001284267	0.002916355	0.005607046
2039 Nov	0.004533655	0.054172646	2.92039E-05	3.735760689	36.58319092	0.125998363	0.003094323	103.8609238	0.014211738	0.006531137	2.47448E-05	0.002429236	0.000941845	0.361742973	1.78784E-06	0.000826489	0.001258429	0.002881807	0.005462684
2039 Dec	0.004513983	0.054591563	2.9106E-05	3.722052097	36.3753624	0.12530829	0.003080155	103.2640686	0.014133334	0.006582973	2.47457E-05	0.002414633	0.00093644	0.360136837	1.7929E-06	0.000822159	0.001252349	0.002873089	0.005429488
2040 Jan	0.004500245	0.055236142	2.90234E-05	3.71449995	36.23617935	0.125130594	0.003068874	102.8494644	0.014079147	0.006608495	2.62712E-05	0.002404616	0.000932709	0.359292239	1.79381E-06	0.000818999	0.001250932	0.002866182	0.005405989
2040 Feb	0.004494945	0.055979759	2.89841E-05	3.714141846	36.17713165	0.125328213	0.003062991	102.6583252	0.014054984	0.006626127	2.83825E-05	0.002400004	0.000931013	0.35923028	1.79452E-06	0.000817477	0.001253022	0.002863578	0.005394447
2040 Mar	0.004505559	0.0565501	2.90498E-05	3.725089073	36.25369263	0.1258111	0.003068994	102.8628235	0.014084064	0.006655545	2.96103E-05	0.002404707	0.000932887	0.360274255	1.80028E-06	0.000819106	0.001257912	0.002870757	0.005404382
2040 Apr	0.004552187	0.05738112	2.93489E-05	3.76486063	36.62390518	0.127217963	0.003100066	103.9060745	0.014227516	0.006732147	3.05679E-05	0.002429052	0.00094236	0.364112496	1.81977E-06	0.000827413	0.001272013	0.002900701	0.005458739
2040 May	0.004512724	0.081280172	2.91045E-05	3.860490084	35.9937706	0.138037398	0.002987709	99.38603973	0.013961908	0.007295845	0.000163504	0.00238402	0.000928273	0.372540772	1.89779E-06	0.000805647	0.001400974	0.002986532	0.005287713
2040 Jun	0.003737831	0.114949822	2.46084E-05	3.461181879	29.48156738	0.139510363	0.002273609	72.334198	0.011442575	0.007143074	0.000407478	0.001985021	0.000767654	0.33157295	1.8115E-06	0.000642742	0.001493907	0.002897162	0.004192004
2040 Jul	0.004169269	0.097593158	2.71649E-05	3.708991289	33.72012711	0.145604819	0.002623045	83.12521362	0.01308693	0.00649558	0.000325483	0.002283447	0.000876615	0.358860403	1.79784E-06	0.000738992	0.00153816	0.003093696	0.004899575
2040 Aug	0.004417141	0.09104301	2.8566E-05	3.867414951	36.05383682	0.150379017	0.002816446	89.03380585	0.013982533	0.006218056	0.000295161	0.002440228	0.00093658	0.376033306	1.79719E-06	0.000791199	0.0015687	0.00318279	0.005278144
2040 Sep	0.004572105	0.084833562	2.94351E-05	3.960215092	37.54189301	0.152476802	0.002948772	92.82966614	0.014553892	0.005988433	0.000265156	0.002538444	0.000974715	0.386191159	1.78846E-06	0.000825148	0.001575203	0.003223132	0.00552418
2040 Oct	0.004580558	0.08334785	2.94817E-05	3.957548141	37.59471893	0.151582018	0.002962686	92.98880005	0.014575122	0.006004473	0.00025409	0.002540089	0.000975713	0.385890216	1.78867E-06	0.000827294	0.001563612	0.003212767	0.005536475
2040 Nov	0.004581295	0.083278954	2.94882E-05	3.957561255	37.59529877	0.15149644	0.002963805	92.99238586	0.014575599	0.006012537	0.000253177	0.002539905	0.000975693	0.385864735	1.78977E-06	0.000827417	0.001562604	0.00321224	0.005536748
2040 Dec	0.004580818	0.083286241	2.94859E-05	3.957207203	37.590065	0.151475802	0.002963485	92.97940826	0.014573632	0.006014052	0.000253143	0.00253953	0.000975556	0.385822713	1.78992E-06	0.000827312	0.001562412	0.003211992	0.005535922
2041 Jan	0.00458052	0.083301365	2.94842E-05	3.957043409	37.58683777	0.151470527	0.002963247	92.97107697	0.014572378	0.006014889	0.000253162	0.002539291	0.000975468	0.385803521	1.78997E-06	0.00082724	0.001562364	0.003211822	0.005535375
2041 Feb	0.004580436	0.083320402	2.94835E-05	3.957072258	37.58570099	0.151476204	0.002963137	92.96782684	0.014571906	0.006015464	0.000253208	0.002539195	0.000975434	0.385805458	1.79002E-06	0.000827211	0.001562422	0.003211776	0.005535136
2041 Mar	0.004580983	0.083341554	2.94869E-05	3.957599401	37.58994675	0.151498899	0.00296346	92.97808838	0.014573534	0.006016555	0.000253265	0.002539471	0.000975542	0.38585642	1.79027E-06	0.000827302	0.001562655	0.003212166	0.005535723
2041 Apr	0.004582996	0.083384559	2.94999E-05	3.959369898	37.60631943	0.151568085	0.002964745	93.01845551	0.014579874	0.006019412	0.000253392	0.002540572	0.000975965	0.386028767	1.79108E-06	0.000827661	0.001563369	0.003213582	0.005538113
2041 May	0.00459519	0.083758242	2.95707E-05	3.970685482	37.70727539	0.152087137	0.002972211	93.16493988	0.014618115	0.006032826	0.000255221	0.002547163	0.000978581	0.387166888	1.79463E-06	0.00082979	0.001568525	0.003221118	0.005552417
2041 Jun	0.004240884	0.076842181	2.79411E-05	3.663096905	34.64153671	0.137232333	0.002732684	83.42100525	0.013494836	0.006081052	0.000208149	0.002364757	0.000900216	0.354075551	1.79631E-06	0.000766006	0.001453062	0.003145306	0.005110879
2041 Jul	0.004328969	0.067818604	2.85074E-05	3.685293436	35.64492798	0.136349022	0.00281547	83.33931732	0.013893859	0.00574266	0.000165616	0.002442127	0.000926037	0.35717696	1.77243E-06	0.000789676	0.001441913	0.003189746	0.005295703
2041 Aug	0.004421278	0.067324542	2.90465E-05	3.754006147	36.46261597	0.138781488	0.002881919	84.97389984	0.014207409	0.005730574	0.000162651	0.002496268	0.000947125	0.364285588	1.78602E-06	0.000807734	0.001461641	0.003231805	0.005422725
2041 Sep	0.004498618	0.066108197	2.94654E-05	3.808628321	37.17492294	0.140675396	0.002941756	86.31494904	0.014477856	0.005671568	0.000157482	0.002542597	0.00096538	0.370153427	1.78645E-06	0.000823523	0.001475129	0.003256947	0.005535053
2041 Oct	0.004523507	0.065355733	2.95814E-05	3.823257208	37.39290619	0.140968964	0.002963857	86.60987854	0.014559061	0.00565824	0.000152965	0.002555306	0.00097076	0.371790886	1.78356E-06	0.000828656	0.001474882	0.003255536	0.005570224
2041 Nov	0.004524984	0.06538751	2.95916E-05	3.824416876	37.40007019	0.140969262	0.002965085	86.61499786	0.01456191	0.005666864	0.000152707	0.002555582	0.000970924	0.371883571	1.78489E-06	0.000828874	0.00147479	0.003255889	0.005571195
2041 Dec	0.00452504	0.065397009	2.95924E-05	3.824495554	37.39983368	0.140968665	0.002965113	86.61445618	0.01456185	0.005668054	0.000152707	0.002555554	0.000970917	0.371887356	1.78509E-06	0.000828874	0.001474795	0.003255971	0.00557113
2042 Jan	0.004524974	0.065407053	2.9592E-05	3.824490309	37.39888	0.140969142	0.002965046	86.61211395	0.014561477	0.005668616	0.000152725	0.002555477	0.00097089	0.37188521	1.78515E-06	0.000828852	0.001474802	0.003255943	0.005570951
2042 Feb	0.00452492	0.065417193	2.95916E-05	3.824498653	37.39819717	0.140971988	0.002964982	86.61034393	0.014561195	0.005668909	0.000152751	0.002555421	0.00097087	0.371885598	1.78517E-06	0.000828835	0.001474831	0.00325591	0.005570813
2042 Mar	0.004525297	0.065428607	2.9594E-05	3.824846506	37.40118408	0.140986204	0.002965213	86.61715698	0.014562349	0.005669577	0.000152779	0.00255562	0.000970946	0.371919185	1.78534E-06	0.0008289	0.001474979	0.003256184	0.005571237
2042 Apr	0.004529733	0.065496124	2.9623E-05	3.828612328	37.43777466	0.141125798	0.00296811	86.70183563	0.014576589	0.005675246	0.000152937	0.002558117	0.000971895	0.372285217	1.7871E-06	0.00082971	0.001476439	0.003259378	0.005576675
2042 May	0.004542363	0.066226192	2.97019E-05	3.842008829	37.53140259	0.141755909	0.002974862	86.83222961	0.014612196	0.005708201	0.000156134	0.002564082	0.00097434	0.373570263	1.7939E-06	0.000831653	0.001483049	0.00326905	0.005588769
2042 Jun	0.004419461	0.065067813	2.90877E-05	3.741808414	36.46231079	0.137404233	0.002888844	82.65761566	0.014214326	0.005724373	0.000148144	0.002498386	0.000946985	0.362904966	1.78879E-06	0.000808818	0.001449717	0.003235497	0.005430089
2042 Jul	0.004419705	0.062738746	2.91058E-05	3.72834301	36.50790024	0.136351138	0.002893147	81.01753235	0.01423624	0.005638426	0.00013656	0.002503601	0.000948162	0.361693382	1.781E-06	0.000810254	0.001437431	0.003231862	0.005445479
2042 Aug	0.004470695	0.060369838	2.9347E-05	3.758644104	36.99041367	0.136953205	0.002939766	80.82462311	0.014416988	0.005510978	0.000126193	0.002530819	0.000960573	0.365123779	1.77029E-06	0.000821051	0.001429807	0.003218434	0.005524936
2042 Sep	0.004487501	0.059287053	2.94231E-05	3.768643141	37.14099884	0.136935622	0.002958596	80.54919434	0.014472795	0.005474491	0.000120449	0.002537666	0.000964393	0.366203636	1.76695E-06	0.000824658	0.001423336	0.003207081	0.005549941
2042 Oct	0.004498555	0.05884717	2.94611E-05	3.774094343	37.23267365	0.136966482	0.002969707	80.43824005	0.014505649	0.00547057	0.000117579	0.002542118	0.000966543	0.366865098	1.76349E-06	0.000826935	0.001421482	0.003201193	0.005564845
2042 Nov	0.004500421	0.058882792	2.94737E-05	3.775672913	37.24646759	0.137012765	0.002970985	80.46292114	0.014511048	0.005475223	0.000117572	0.002543001	0.000966895	0.367011547	1.76451E-06	0.000827257	0.001421952	0.003202392	0.005566855
2042 Dec	0.00450049	0.058888126	2.94743E-05	3.775747776	37.24669266	0.137013748	0.002971027	80.46343231	0.014511152	0.00547587	0.000117574	0.002543011	0.000966901	0.367016912	1.76463E-06	0.000827265	0.001421967	0.003202464	0.005566875
2043 Jan	0.004500428	0.058892872	2.94739E-05	3.775720835	37.24597168	0.137013152	0.002970973	80.46182251	0.014510871	0.005476119	0.000117583	0.002542956	0.000966881	0.367013484	1.76465E-06	0.000827248	0.001421963	0.003202429	0.005566748
2043 Feb	0.004500408	0.058898099	2.94738E-05	3.775730848	37.24568176	0.137014806	0.002970945	80.46112061	0.014510751	0.005476275	0.000117596	0.002542932	0.000966872	0.367014229	1.76466E-06	0.000827241	0.001421979	0.003202418	0.005566686
2043 Mar	0.004500546	0.058902904	2.94746E-05	3.775861263	37.24676132	0.137020245	0.002971028	80.46340942	0.014511165	0.005476541	0.000117607	0.002543003	0.000966899	0.367026806	1.76473E-06	0.000827264	0.001422036	0.003202518	0.005566837
2043 Apr	0.004504	0.058949836	2.94973E-05	3.778768301	37.27531815	0.137126148	0.002973304	80.52507782	0.014522288	0.005480802	0.000117702	0.002544951	0.00096764	0.367309302	1.76609E-06	0.000827898	0.001423134	0.003204977	0.005571099
2043 May	0.004511596	0.059742391	2.95452E-05	3.78856349	37.32356262	0.137640774	0.00297634	80.54192352	0.014540313	0.00551449	0.000121277	0.002547806	0.000968914	0.368224621	1.77203E-06	0.000828823	0.001428706	0.003211895	0.005576013
2043 Jun	0.004402862	0.065659113	2.88622E-05	3.733713865	36.2649498	0.137188196	0.00288232	76.60773468	0.014124533	0.005674373	0.000152796	0.002473324	0.000941755	0.36230424	1.77028E-06	0.000803973	0.001430196	0.003166148	0.005394267
2043 Jul	0.00444958	0.065264277	2.91503E-05	3.766853094	36.67941284	0.138284504	0.002915193	76.79434967	0.014285324	0.005672455	0.000150096	0.002501845	0.00095246	0.365700066	1.77937E-06	0.00081321	0.001439934	0.00319214	0.005459669
2043 Aug	0.004503703	0.064834706	2.94681E-05	3.807323694	37.16108704	0.139666662	0.00295518	77.26101685	0.014470141	0.005661022	0.000147674	0.002533493	0.000964904	0.369871497	1.78727E-06	0.000823881	0.00145058	0.003215723	0.005534678
2043 Sep	0.004534743	0.064064294	2.96336E-05	3.828531265	37.45119095	0.140322611	0.002980644	77.32707214	0.014580169	0.005624989	0.000144296	0.002551926	0.000972347	0.372166693	1.786E-06	0.000830357	0.001453868	0.003222511	0.005581016
2043 Oct	0.004523191	0.063884407	2.95576E-05	3.81764245	37.32531357	0.139642596	0.002975115	76.79592133	0.014531208	0.005650603	0.000141589	0.002541892	0.000968909	0.371003747	1.785E-06	0.000827965	0.001446127	0.0032086	0.005561879
2043 Nov	0.004500779	0.06388814	2.94254E-05	3.799361706	37.09889603	0.13870129	0.002961134	76.19534302	0.01444428	0.005684933	0.000139657	0.00252531	0.000962916	0.369028986	1.78456E-06	0.000823336	0.001436432	0.003191477	0.005526836
2043 Dec	0.004500659	0.063894391	2.9425E-05	3.799289703	37.09727859	0.138695508	0.002961048	76.19207001	0.01444368	0.0056858	0.000139652	0.00252519	0.000962873	0.369018495	1.78467E-06	0.000823305	0.001436382	0.003191432	0.005526567
2044 Jan	0.004500604	0.063899957	2.94247E-05	3.799272299	37.09658051	0.138695091	0.002960999	76.19059753	0.014443407	0.005686132	0.000139661	0.002525135	0.000962854	0.369015723	1.78471E-06	0.000823289	0.00143638	0.003191406	0.005526441
2044 Feb	0.004500838	0.063909195	2.94262E-05	3.799498558	37.09837341	0.138704732	0.002961136	76.1942215	0.014444096	0.005686622	0.000139683	0.002525252	0.000962899	0.369037479	1.78482E-06	0.000823328	0.00143648	0.003191575	0.005526689
2044 Mar	0.004501387	0.063920207	2.94297E-05	3.799978018	37.10282898	0.138722986	0.002961489	76.20333862	0.014445827	0.005687421	0.000139708	0.002525553	0.000963014	0.369083911	1.78505E-06	0.000823426	0.001436669	0.003191966	0.005527342
2044 Apr	0.004502791	0.063941926	2.94389E-05	3.801172018	37.11436844	0.138767004	0.002962408	76.22701263	0.014450315	0.005689254	0.000139757	0.002526336	0.000963313	0.369199812	1.78561E-06	0.000823682	0.001437124	0.003192963	0.005529054
2044 May	0.004513058	0.064115562	2.95052E-05	3.8099792	37.19882584	0.139100313	0.002969085	76.38624573	0.014483093	0.005702395	0.000140252	0.002532054	0.000965505	0.370058298	1.78961E-06	0.000825544	0.00144056	0.003200164	0.005541538
2044 Jun	0.004109321	0.058956627	2.6483E-05	3.483093262	33.34588623	0.124678001	0.002657427	67.0345459	0.013000651	0.005538181	0.000131007	0.002268214	0.000866942	0.333201706	1.79747E-06	0.000739342	0.001300075	0.002955197	0.004953347
2044 Jul	0.003390929	0.048569497	2.083E-05	2.89928174	26.29331589	0.097772121	0.002092373	52.72460938	0.010282963	0.005272335	0.000111132	0.001778128	0.0006867	0.265808702	1.85307E-06	0.000581266	0.001029293	0.002488112	0.003874014
2044 Aug	0.002779968	0.040163048	1.61127E-05	2.425221443	20.42053223	0.075566761	0.001622259	41.34461212	0.007997233	0.00504538	9.25144E-05	0.001368314	0.000536321	0.210669145	1.90403E-06	0.000449297	0.000802908	0.002099463	0.00297143
2044 Sep	0.00241217	0.034528606	1.33267E-05	2.155934572	17.00864983	0.062464081	0.001349918	34.51715469	0.006646649	0.004880291	7.88072E-05	0.00112911	0.000448493	0.178902	1.91646E-06	0.000372333	0.000666182	0.001862499	0.002446886
2044 Oct	0.002276358	0.032531761	1.22765E-05	2.057395935	15.71339035	0.057480101	0.001246752	31.95728302	0.006133925	0.004854121	7.52422E-05	0.001038226	0.000415082	0.166891307	1.92134E-06	0.000343119	0.000614774	0.001773188	0.002247347
2044 Nov	0.002278081	0.032562945	1.22902E-05	2.058729172	15.72826099	0.057529267	0.001248151	31.97263145	0.006139731	0.00485718	7.52047E-05	0.0010392	0.000415455	0.167039469	1.92151E-06	0.000343473	0.000615251	0.001774113	0.002249597
2044 Dec	0.002278141	0.032564901	1.22906E-05	2.058786869	15.72860813	0.057530571	0.001248185	31.9733429	0.00613987	0.004857437	7.52065E-05	0.001039221	0.000415464	0.167043909	1.92157E-06	0.000343481	0.000615266	0.001774164	0.002249643
2045 Jan	0.002278134	0.03256619	1.22905E-05	2.058786631	15.72852612	0.057530787	0.001248179	31.97316742	0.006139838	0.004857495	7.52088E-05	0.001039214	0.000415462	0.167043939	1.92157E-06	0.000343479	0.000615269	0.001774161	0.002249626
2045 Feb	0.002278135	0.032567568	1.22905E-05	2.058793068	15.72850704	0.057531402	0.001248177	31.97311592	0.006139829	0.004857534	7.52123E-05	0.001039212	0.000415461	0.167044625	1.92158E-06	0.000343479	0.000615275	0.001774162	0.002249619
2045 Mar	0.002278292	0.032570567	1.22914E-05	2.058938742	15.72958374	0.057535712	0.001248261	31.97529602	0.006140247	0.004857891	7.52194E-05	0.001039282	0.000415489	0.167056531	1.92171E-06	0.000343502	0.000615321	0.001774284	0.002249771
2045 Apr	0.002278858	0.032579083	1.22944E-05	2.059452057	15.73348427	0.057550188	0.00124857	31.98321533	0.006141769	0.004859109	7.52392E-05	0.00103954	0.000415592	0.167098209	1.92219E-06	0.000343587	0.000615476	0.001774725	0.002250327
2045 May	0.002282525	0.032631699	1.23142E-05	2.06276679	15.75879765	0.057642877	0.001250579	32.03467178	0.006151651	0.004866934	7.53608E-05	0.001041212	0.000416261	0.16736719	1.92528E-06	0.00034414	0.000616467	0.001777581	0.002253947
2045 Jun	0.002246303	0.032294523	1.20958E-05	2.029396534	15.42318821	0.056349874	0.001223463	31.00564575	0.006028713	0.004857653	7.41266E-05	0.001019823	0.00040771	0.163955048	1.92124E-06	0.000336893	0.000605832	0.001761299	0.00220409
2045 Jul	0.002120731	0.030701244	1.11132E-05	1.920990348	14.15921879	0.051576145	0.001122091	28.36115074	0.005550217	0.00482163	7.15995E-05	0.000932847	0.000375524	0.151718765	1.93127E-06	0.000308744	0.000559261	0.001681103	0.002011326
2045 Aug	0.001964858	0.028536968	9.89932E-06	1.799064159	12.65905762	0.04592498	0.001001882	25.50061417	0.004966978	0.004753783	6.66996E-05	0.000827938	0.000337156	0.137622252	1.94599E-06	0.000275005	0.000501298	0.001581063	0.001780694
2045 Sep	0.001842744	0.026658397	8.97284E-06	1.713372469	11.5389967	0.041644972	0.000912107	23.33368301	0.004519353	0.004698912	6.21418E-05	0.000749129	0.000308278	0.127326116	1.95152E-06	0.00024962	0.000456204	0.00150324	0.001607859
2045 Oct	0.001788583	0.025870597	8.54788E-06	1.675968289	11.02000427	0.039664317	0.000870422	22.37264442	0.0043123	0.004694085	6.11178E-05	0.000712633	0.000294884	0.122580618	1.95489E-06	0.000237839	0.000435713	0.0014681	0.001527526
2045 Nov	0.001788921	0.025876241	8.54954E-06	1.676286697	11.02204514	0.039671686	0.000870587	22.37679291	0.004313101	0.004695056	6.11292E-05	0.000712764	0.000294938	0.122603826	1.95527E-06	0.000237883	0.000435795	0.00146838	0.001527807
2045 Dec	0.001788991	0.025877668	8.54991E-06	1.676353335	11.02245426	0.039673176	0.000870622	22.37762451	0.004313263	0.004695286	6.11315E-05	0.00071279	0.000294949	0.122608662	1.95535E-06	0.000237893	0.000435812	0.001468439	0.001527862
2046 Jan	0.001789002	0.025878349	8.54997E-06	1.676365614	11.02251053	0.039673574	0.000870627	22.37773705	0.004313285	0.00469534	6.11328E-05	0.000712793	0.000294951	0.122609623	1.95536E-06	0.000237894	0.000435816	0.001468449	0.001527868
2046 Feb	0.001789017	0.025879091	8.55004E-06	1.676382422	11.02260017	0.039674152	0.000870633	22.37791252	0.004313319	0.004695394	6.11347E-05	0.000712799	0.000294953	0.122610942	1.95538E-06	0.000237896	0.000435822	0.001468462	0.001527879
2046 Mar	0.001789176	0.025881676	8.5508E-06	1.676532626	11.02357769	0.039677814	0.00087071	22.37989235	0.004313701	0.004695818	6.11408E-05	0.000712862	0.000294979	0.122621991	1.95555E-06	0.000237917	0.000435862	0.001468592	0.001528013
2046 Apr	0.00178986	0.025891721	8.55407E-06	1.677173495	11.0277853	0.039693039	0.000871042	22.38843346	0.004315347	0.004697616	6.11646E-05	0.000713134	0.000295091	0.122668892	1.9563E-06	0.000238007	0.000436029	0.001469153	0.001528596
2046 May	0.00179256	0.025946278	8.56839E-06	1.679698467	11.04605103	0.039768189	0.000872466	22.41917992	0.00432245	0.004703878	6.13386E-05	0.000714327	0.000295575	0.122873709	1.95865E-06	0.000238402	0.000436834	0.001471279	0.001531149
2046 Jun	0.001789626	0.026183426	8.606E-06	1.674330831	11.03840923	0.039792102	0.000871602	22.05770111	0.004324574	0.004705679	6.16591E-05	0.000715334	0.000295387	0.122689873	1.95115E-06	0.000238446	0.00043899	0.00147498	0.001531006

Appendix D.2-33: F ZONE02

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2046 Jul	0.001752008	0.025636317	8.32299E-06	1.636691928	10.66392994	0.03833916	0.000841516	21.01909256	0.004187321	0.004679034	6.07405E-05	0.000690212	0.000285878	0.118810877	1.94732E-06	0.00023023	0.000425304	0.001449679	0.001475253
2046 Aug	0.001678851	0.024629319	7.74734E-06	1.579250216	9.95446682	0.035673302	0.000784755	19.70674706	0.003911848	0.004647245	5.8372E-05	0.00064043	0.000267755	0.1121611	1.95624E-06	0.00021427	0.000397793	0.00140243	0.001366023
2046 Sep	0.001616863	0.023642417	7.28597E-06	1.536935449	9.400714874	0.033544566	0.000740714	18.62649727	0.003688414	0.00461393	5.57346E-05	0.000601235	0.000253427	0.107105359	1.95631E-06	0.000201712	0.000374844	0.001361916	0.001280574
2046 Oct	0.001587898	0.023238555	7.06654E-06	1.517297387	9.129693985	0.03250093	0.000719389	18.11466408	0.003579347	0.004612599	5.51163E-05	0.000582051	0.000246379	0.10464678	1.95535E-06	0.000195592	0.000363864	0.001342096	0.001238663
2046 Nov	0.001588586	0.02325361	7.07213E-06	1.517840505	9.135596275	0.0325213	0.000719943	18.11962128	0.00358166	0.004613963	5.51094E-05	0.00058244	0.000246527	0.104706891	1.95544E-06	0.000195733	0.000364068	0.001342493	0.001239551
2046 Dec	0.001588665	0.023255233	7.07252E-06	1.517917514	9.136030197	0.032522861	0.00071998	18.12048721	0.003581832	0.004614244	5.51121E-05	0.000582467	0.000246539	0.104712173	1.95554E-06	0.000195742	0.000364086	0.001342562	0.001239608
2047 Jan	0.001588675	0.023255952	7.07257E-06	1.517928481	9.136072159	0.032523233	0.000719984	18.12056732	0.003581848	0.004614298	5.51135E-05	0.000582469	0.00024654	0.104713023	1.95555E-06	0.000195743	0.00036409	0.00134257	0.001239612
2047 Feb	0.001588696	0.023256853	7.07267E-06	1.517951727	9.136192322	0.032523949	0.000719993	18.12080002	0.003581894	0.004614375	5.51157E-05	0.000582476	0.000246543	0.104714766	1.95558E-06	0.000195746	0.000364097	0.001342589	0.001239626
2047 Mar	0.001589008	0.023261726	7.07406E-06	1.518250585	9.137979507	0.032530472	0.000720133	18.12434196	0.003582595	0.004615287	5.51273E-05	0.00058259	0.000246591	0.104735449	1.95596E-06	0.000195784	0.00036417	0.001342852	0.001239868
2047 Apr	0.001589398	0.023267625	7.0758E-06	1.518624544	9.140224457	0.032538556	0.00072031	18.12879181	0.003583474	0.004616425	5.51413E-05	0.000582733	0.000246651	0.104761288	1.95644E-06	0.000195832	0.000364261	0.001343182	0.001240172
2047 May	0.001591976	0.023451757	7.09392E-06	1.521486521	9.158945084	0.032677129	0.000721656	18.14714622	0.003590676	0.004625061	5.58978E-05	0.000583943	0.000247141	0.105037197	1.95798E-06	0.000196224	0.000365772	0.001345455	0.001242507
2047 Jun	0.001587776	0.024249202	7.09495E-06	1.51886189	9.12978363	0.032975323	0.000718475	17.90572166	0.003580782	0.004632557	5.97734E-05	0.00058206	0.000246373	0.105107531	1.94993E-06	0.000195525	0.000369458	0.001343587	0.001236625
2047 Jul	0.001558935	0.023921456	6.8344E-06	1.492665648	8.793914795	0.031708628	0.000691594	17.30880165	0.003456217	0.004644247	5.96032E-05	0.000558662	0.000237917	0.101892203	1.96236E-06	0.000188035	0.000357342	0.001325344	0.001184773
2047 Aug	0.001515462	0.023316642	6.48229E-06	1.458861828	8.357934952	0.030055748	0.000656726	16.54963493	0.003287477	0.004634327	5.8025E-05	0.000528021	0.000226821	0.097832844	1.97306E-06	0.000178224	0.000340458	0.001298511	0.001117355
2047 Sep	0.001471353	0.022627547	6.16099E-06	1.428986549	7.967402935	0.028549671	0.000625678	15.84341526	0.003129817	0.004611731	5.60451E-05	0.00050049	0.000216711	0.094270863	1.97285E-06	0.000169382	0.000324326	0.001270466	0.001057139
2047 Oct	0.001450847	0.022328753	6.00909E-06	1.415111423	7.779207706	0.027817985	0.000610871	15.50470448	0.003053864	0.004609324	5.55507E-05	0.000487221	0.000211805	0.092552751	1.97115E-06	0.000165136	0.000316629	0.001256448	0.001028138
2047 Nov	0.001451163	0.022343067	6.01297E-06	1.415334702	7.78234148	0.027828874	0.000611219	15.50524616	0.003055114	0.004610333	5.55361E-05	0.000487425	0.00021881	0.092586257	1.97098E-06	0.000165218	0.000316739	0.001256592	0.001028616
2047 Dec	0.001451233	0.022344528	6.01329E-06	1.415403843	7.782700539	0.02783017	0.000611249	15.50596428	0.003055256	0.004610597	5.55387E-05	0.000487447	0.00021189	0.092590779	1.97108E-06	0.000165226	0.000316754	0.001256654	0.001028663
2048 Jan	0.001451262	0.022345461	6.01342E-06	1.415434003	7.782847881	0.027830884	0.000611261	15.5062561	0.003055314	0.00461071	5.55407E-05	0.000487456	0.000211894	0.092592843	1.97112E-06	0.000165229	0.000316762	0.001256679	0.00102868
2048 Feb	0.001451312	0.022346718	6.01363E-06	1.415484548	7.783112049	0.027832072	0.000611282	15.50677681	0.003055417	0.00461088	5.55438E-05	0.000487472	0.000211901	0.092596278	1.97119E-06	0.000165235	0.000316775	0.001256722	0.001028714
2048 Mar	0.001451321	0.022347122	6.01367E-06	1.415494442	7.783159256	0.027832376	0.000611285	15.50686836	0.003055435	0.004610914	5.55448E-05	0.000487475	0.000211903	0.092597008	1.9712E-06	0.000165236	0.000316778	0.00125673	0.001028719
2048 Apr	0.001451892	0.02235665	6.01607E-06	1.41605258	7.786274433	0.027843961	0.000611529	15.51289749	0.003056655	0.004612703	5.55685E-05	0.00048767	0.000211987	0.092634246	1.97195E-06	0.000165302	0.000316909	0.00125722	0.001029131
2048 May	0.001454309	0.02239426	6.02611E-06	1.418410301	7.799256325	0.027890619	0.000612548	15.53868389	0.00306175	0.004620371	5.56621E-05	0.000488483	0.00021234	0.092788815	1.97523E-06	0.000165577	0.000317439	0.00125931	0.001030847
2048 Jun	0.001442959	0.022477474	5.99808E-06	1.407227874	7.7175107	0.027623944	0.000606079	15.30604362	0.003033412	0.004614466	5.55577E-05	0.000483952	0.000210217	0.091935426	1.96661E-06	0.000163938	0.000315983	0.001255661	0.001019257
2048 Jul	0.001418946	0.022353049	5.84021E-06	1.384048104	7.48109293	0.026763111	0.000587246	14.82404232	0.002947446	0.004610131	5.53935E-05	0.000468342	0.000204207	0.089583807	1.96419E-06	0.000158812	0.000308391	0.001241997	0.00098376
2048 Aug	0.001389061	0.02195107	5.6019E-06	1.360595345	7.183995247	0.025640367	0.000563595	14.31215763	0.002832607	0.004601243	5.42721E-05	0.000447421	0.000196645	0.086817428	1.97072E-06	0.000152138	0.000296782	0.001223184	0.000937866
2048 Sep	0.001357508	0.021462787	5.36997E-06	1.339789867	6.904126644	0.024566248	0.000541303	13.83376312	0.002719099	0.00458641	5.28895E-05	0.000427623	0.000189398	0.084290795	1.97136E-06	0.000145783	0.000285219	0.001203249	0.000894563
2048 Oct	0.001342559	0.021241849	5.25871E-06	1.329877496	6.767618179	0.024036638	0.000530542	13.59862232	0.002663714	0.004584558	5.25701E-05	0.000417975	0.000185834	0.083050258	1.96989E-06	0.000142694	0.000279608	0.001192899	0.000873503
2048 Nov	0.001342684	0.021259768	5.26118E-06	1.329990506	6.768348217	0.024039663	0.000530707	13.59787369	0.002664052	0.004586229	5.2562E-05	0.00041801	0.000185848	0.083065487	1.96992E-06	0.000142723	0.00027965	0.001192994	0.000873589
2048 Dec	0.001342737	0.02126094	5.26142E-06	1.330043197	6.768599033	0.02404057	0.000530729	13.598382	0.002664152	0.004586443	5.25639E-05	0.000418025	0.000185855	0.083068803	1.97E-06	0.000142729	0.000279661	0.001193041	0.00087362
2049 Jan	0.001342747	0.021261536	5.26147E-06	1.33005476	6.768644333	0.024040895	0.000530732	13.59846973	0.00266417	0.004586497	5.25651E-05	0.000418027	0.000185856	0.083069623	1.97001E-06	0.00014273	0.000279665	0.001193051	0.000873625
2049 Feb	0.001342755	0.021262102	5.2615E-06	1.330065012	6.768685341	0.02404126	0.000530735	13.59854698	0.002664185	0.004586536	5.25665E-05	0.000418029	0.000185857	0.083070397	1.97002E-06	0.000142731	0.000279669	0.001193058	0.000873628
2049 Mar	0.00134285	0.021263842	5.26188E-06	1.330159903	6.769162655	0.024043072	0.000530772	13.59950447	0.002664373	0.004586865	5.25708E-05	0.000418059	0.00018587	0.083076388	1.97016E-06	0.000142741	0.00027969	0.001193142	0.000873689
2049 Apr	0.001343341	0.021271739	5.2638E-06	1.330646276	6.771634102	0.024051916	0.000530966	13.60446739	0.002665345	0.004588542	5.25904E-05	0.000418211	0.000185938	0.083106801	1.97088E-06	0.000142793	0.000279793	0.001193578	0.000874008
2049 May	0.001345443	0.021312291	5.27245E-06	1.332743645	6.78253746	0.024094312	0.000531815	13.62518883	0.002669628	0.004595704	5.27058E-05	0.000418887	0.000186236	0.083242871	1.97385E-06	0.000143023	0.00028028	0.001195444	0.000875412
2049 Jun	0.00133417	0.021447374	5.24482E-06	1.322111487	6.701738834	0.023857832	0.0005254	13.43204594	0.002641239	0.004591142	5.28488E-05	0.000414325	0.000184132	0.082441598	1.96524E-06	0.000141387	0.000279046	0.001191698	0.000863758
2049 Jul	0.00131662	0.021332921	5.12025E-06	1.304840803	6.523350239	0.023207046	0.00051118	13.09652519	0.002576372	0.004587101	5.28016E-05	0.000402381	0.000179606	0.080663346	1.96423E-06	0.000137498	0.000273123	0.001180798	0.000836903
2049 Aug	0.0012982	0.021074235	4.95266E-06	1.291074991	6.320046902	0.022435669	0.000494835	12.77007675	0.002497857	0.004592091	5.21344E-05	0.000387885	0.000174475	0.078818992	1.9752E-06	0.000132886	0.000265255	0.001170103	0.000804989
2049 Sep	0.001274479	0.020700209	4.77884E-06	1.275712371	6.112125397	0.021636162	0.000478303	12.42204666	0.002413015	0.004580105	5.10481E-05	0.000373129	0.00016908	0.076950513	1.97532E-06	0.000128159	0.000256566	0.001154951	0.000772794
2049 Oct	0.001263214	0.020535525	4.69558E-06	1.26840055	6.009898663	0.021238489	0.000470297	12.24918175	0.002371307	0.004579257	5.08138E-05	0.000365876	0.000166403	0.076028064	1.97394E-06	0.000125847	0.00025232	0.001147013	0.000757006
2049 Nov	0.001263388	0.020545103	4.6972E-06	1.268562913	6.010917664	0.021242278	0.000470425	12.24989128	0.002371728	0.004580329	5.0814E-05	0.000365936	0.000166428	0.076042682	1.97409E-06	0.000125875	0.000252365	0.001147152	0.000757139
2049 Dec	0.001263442	0.020546256	4.69742E-06	1.268617988	6.011167526	0.021243172	0.000470446	12.25040245	0.002371828	0.004580553	5.08161E-05	0.000365951	0.000166435	0.07604602	1.97418E-06	0.00012588	0.000252376	0.001147202	0.00075717
2050 Jan	0.001263458	0.020546844	4.69749E-06	1.268634796	6.011237144	0.021243546	0.000470452	12.25054169	0.002371855	0.004580623	5.08173E-05	0.000365955	0.000166437	0.076047108	1.9742E-06	0.000125881	0.00025238	0.001147216	0.000757177
2050 Feb	0.001263464	0.020547286	4.69752E-06	1.268642664	6.011267185	0.021243824	0.000470454	12.25060081	0.002371867	0.004580654	5.08185E-05	0.000365956	0.000166437	0.076047689	1.97421E-06	0.000125882	0.000252383	0.001147222	0.00075718
2050 Mar	0.00126348	0.020547729	4.69758E-06	1.268659353	6.011342049	0.021244181	0.00047046	12.2507515	0.002371896	0.004580715	5.08196E-05	0.000365961	0.000166439	0.076048754	1.97423E-06	0.000125883	0.000252387	0.001147236	0.000757189
2050 Apr	0.001263787	0.020552823	4.69872E-06	1.268967867	6.012801647	0.021249393	0.000470574	12.2537241	0.002372472	0.004581829	5.08322E-05	0.000366049	0.00016648	0.076067276	1.97471E-06	0.000125914	0.000252449	0.001147515	0.000757373
2050 May	0.001265231	0.020581039	4.70424E-06	1.270435095	6.019686222	0.021275882	0.000471109	12.26757145	0.002375186	0.004587187	5.09107E-05	0.000366468	0.00016667	0.07615684	1.97695E-06	0.000126058	0.000252763	0.001148838	0.000758229
2050 Jun	0.001258722	0.020798014	4.6934E-06	1.264768004	5.972033978	0.021192653	0.000467238	12.15785217	0.002358575	0.004589838	5.15385E-05	0.000363787	0.000165431	0.075755589	1.9721E-06	0.000125088	0.000252753	0.001147381	0.000751027
2050 Jul	0.001255756	0.020872869	4.69893E-06	1.261690021	5.957858086	0.021157201	0.000466186	12.10235023	0.002354132	0.004587575	5.15224E-05	0.00036323	0.000165044	0.075598687	1.96772E-06	0.000124852	0.000252747	0.001146703	0.000749245
2050 Aug	0.001259922	0.020956228	4.71866E-06	1.26573956	5.979969025	0.021236405	0.000467971	12.13776302	0.002362931	0.004602066	5.16806E-05	0.000364614	0.000165646	0.075867921	1.97339E-06	0.000125331	0.000253626	0.001150373	0.000752157
2050 Sep	0.001260755	0.020991141	4.72768E-06	1.266470671	5.986811638	0.02126126	0.00046872	12.13936901	0.002365717	0.004605174	5.16659E-05	0.00036505	0.000165819	0.075948559	1.9736E-06	0.000125505	0.00025386	0.001150944	0.000753156
2050 Oct	0.001261709	0.021015167	4.73259E-06	1.267404675	5.991725922	0.021278882	0.000469168	12.14703369	0.00236768	0.004609105	5.16947E-05	0.000365349	0.00016595	0.076012015	1.97489E-06	0.000125617	0.000254069	0.001151777	0.000753789
2050 Nov	0.001262109	0.0210221	4.73412E-06	1.26780653	5.993623734	0.021285633	0.000469318	12.15085602	0.002368431	0.004610589	5.17109E-05	0.000365464	0.000166003	0.07603623	1.97551E-06	0.000125657	0.000254149	0.001152143	0.000754027
2050 Dec	0.001262158	0.021023085	4.73432E-06	1.267856598	5.993853092	0.021286452	0.000469337	12.15132141	0.002368522	0.004610786	5.17129E-05	0.000365478	0.000166009	0.07603924	1.97559E-06	0.000125661	0.000254159	0.001152188	0.000754056

Appendix D.2-34: F ZONE03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Operations (2020-2043): Min	0.080	0.000071	0.000021	0.00000055	0.020	0.000011	0.0069	5.5E-07	5.5E-07	2.8E-09	3.3E-06	1.5E-06	3.8E-06	4.0E-05	2.8E-09	3.2E-02	1.1E-08	3.9E-07	6.6E-07
Operations (2020-2043): Mean	771	1.1	1.4	0.048	304	0.12	246	4.3E-04	4.3E-04	2.4E-06	1.1E-02	2.8E-03	1.9E-01	1.3E-02	4.6E-06	6.1E+01	7.0E-05	3.8E-04	6.1E-04
Operations (2020-2043): Max	1384	2.3	3.0	0.10	644	0.17	374	6.1E-04	6.1E-04	3.3E-06	1.5E-02	4.1E-03	2.8E-01	2.2E-02	6.2E-06	8.7E+01	1.0E-04	5.1E-04	8.5E-04
Active Closure (2044-2050): Min	114	0.10	0.13	0.0050	33	0.040	42	4.5E-04	4.5E-04	2.5E-06	4.1E-03	6.5E-04	3.3E-02	8.4E-03	4.7E-06	1.5E+01	1.6E-05	1.1E-04	1.7E-04
Active Closure (2044-2050): Mean	211	0.22	0.28	0.010	66	0.054	78	8.3E-04	8.3E-04	4.3E-06	5.3E-03	1.0E-03	6.0E-02	9.2E-03	4.9E-06	2.3E+01	2.6E-05	1.6E-04	2.5E-04
Active Closure (2044-2050): Max	665	0.79	1.0	0.034	220	0.12	251	9.2E-04	9.2E-04	4.6E-06	1.1E-02	2.9E-03	1.9E-01	1.4E-02	5.0E-06	6.2E+01	7.3E-05	4.0E-04	6.3E-04
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***	***0.005***
Note: Calculation excludes zero values; Values higher than applicable water quality guidelines are shaded.																			
Model Predictions (2020-2050)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-34: F ZONE03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-34: F ZONE03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	0.07958442	7.06429E-05	2.12481E-05	5.51898E-07	0.020199468	1.1038E-05	0.006898725	5.51898E-07	5.51898E-07	2.75949E-09	3.2562E-06	1.54531E-06	3.8081E-06	4.00126E-05	2.75949E-09	0.031734135	1.1038E-08	3.86329E-07	6.62278E-07
2036 Feb	0.387118846	0.000343625	0.000103356	2.68457E-06	0.098255351	5.36915E-05	0.033557158	2.68457E-06	2.68457E-06	1.34229E-08	1.5839E-05	7.5168E-06	1.85236E-05	0.000194632	1.34229E-08	0.154362917	5.36915E-08	1.8792E-06	3.22149E-06
2036 Mar	0.737684369	0.000654804	0.000196953	5.11566E-06	0.187233046	0.000102313	0.063945711	5.11566E-06	5.11566E-06	2.55783E-08	3.01824E-05	1.43238E-05	3.5298E-05	0.000370885	2.55783E-08	0.294150293	1.02313E-07	3.58096E-06	6.13879E-06
2036 Apr	122.6617813	0.201966867	0.257924825	0.00878149	56.3790741	0.013832344	31.32611465	3.01194E-05	3.01194E-05	1.82701E-07	0.001156594	0.000381395	0.023122586	0.002790124	4.63269E-07	8.517491341	8.61213E-06	5.68946E-05	0.000101691
2036 May	501.5787354	0.827324033	1.058977485	0.036072638	230.9769897	0.056731604	128.477417	0.000118913	0.000118913	7.26459E-07	0.004746978	0.001523717	0.095009983	0.010172863	1.87913E-06	33.98310089	3.53235E-05	0.000222697	0.000395121
2036 Jun	1040.841187	1.712202072	2.212446451	0.075819984	479.4509277	0.125336647	267.5289001	0.000579566	0.000579566	3.17384E-06	0.012692703	0.003106657	0.202724412	0.013331585	5.58605E-06	65.25740814	8.18382E-05	0.000437066	0.000650686
2036 Jul	1172.847046	1.941094279	2.513195038	0.086043157	543.8769531	0.146080852	303.9590454	0.000472038	0.000472038	2.6741E-06	0.012073295	0.003402987	0.227862254	0.01221269	5.4175E-06	71.35453796	8.22376E-05	0.000406267	0.000688126
2036 Aug	1384.417603	2.304548025	2.980222464	0.101839453	643.9854736	0.16641134	360.0794983	0.000323113	0.000323113	1.98797E-06	0.013013863	0.003796633	0.268840969	0.011600672	5.24257E-06	82.54062653	9.46623E-05	0.000458213	0.000792662
2036 Sep	1260.335327	2.115288019	2.705510855	0.092448547	585.7561035	0.152155906	327.3490601	0.000286641	0.000286641	1.77129E-06	0.012606414	0.003444699	0.244717121	0.01120996	4.72599E-06	75.92944336	8.81684E-05	0.0004341	0.000726095
2036 Oct	789.4918823	1.338433981	1.648473263	0.056693178	362.1865845	0.112336397	201.4799042	0.00061235	0.00061235	3.26748E-06	0.011477895	0.002583342	0.153977051	0.01441877	5.06542E-06	53.22021484	6.05135E-05	0.000351955	0.000499647
2036 Nov	927.6568604	1.566494703	1.961187959	0.067250542	428.057251	0.12300472	238.6213837	0.000490665	0.000490665	2.69823E-06	0.011638099	0.002810766	0.180521637	0.013065853	4.83854E-06	59.56573868	6.84623E-05	0.000371318	0.000563813
2036 Dec	945.6311035	1.596081257	2.002192974	0.068632446	436.659668	0.12427263	243.478302	0.000471782	0.000471782	2.60895E-06	0.011634281	0.002837355	0.183969513	0.012838137	4.79418E-06	60.35163879	6.94612E-05	0.000373273	0.000571851
2037 Jan	942.9511108	1.591466308	1.995989561	0.068421014	435.3646545	0.123995796	242.7423553	0.000473475	0.000473475	2.61664E-06	0.011621628	0.002834087	0.183425337	0.012920767	4.79503E-06	60.26467133	6.92977E-05	0.000373357	0.000571795
2037 Feb	941.7010498	1.589164138	1.992898941	0.068314537	434.7375183	0.123833135	242.3795166	0.000474394	0.000474394	2.62084E-06	0.011613094	0.002834275	0.183146909	0.013021204	4.79579E-06	60.26527405	6.92215E-05	0.000373934	0.000572892
2037 Mar	941.7407227	1.589126229	1.992740154	0.068308808	434.7285767	0.123839304	242.3673248	0.000475259	0.000475259	2.62513E-06	0.011617337	0.002836549	0.183135375	0.013085967	4.79987E-06	60.31177902	6.9233E-05	0.000374535	0.000573929
2037 Apr	943.4497681	1.591950059	1.996217966	0.068427853	435.5019226	0.12406458	242.7943726	0.000476603	0.000476603	2.63229E-06	0.011640561	0.002842925	0.183456734	0.013146318	4.8108E-06	60.44628906	6.93635E-05	0.000375548	0.000575548
2037 May	757.227478	1.231675506	1.538086295	0.052710235	339.4683228	0.10010346	195.3873444	0.000580058	0.000580058	3.09916E-06	0.010411777	0.002716328	0.147684157	0.021652889	4.83718E-06	56.95626831	6.03036E-05	0.000418011	0.000648262
2037 Jun	984.286438	1.543178797	1.972416639	0.067439064	430.9013062	0.125517055	270.7010803	0.000499746	0.000499746	2.77663E-06	0.011992677	0.003320605	0.202928901	0.020814944	5.20532E-06	71.43471527	7.98826E-05	0.00048929	0.000793139
2037 Jul	1288.710449	2.036529303	2.635730505	0.090057932	569.4816284	0.165101618	363.8936157	0.000294125	0.000294125	1.84709E-06	0.01309659	0.003814454	0.271116793	0.011805693	5.13725E-06	83.33163452	9.68124E-05	0.000464574	0.000813123
2037 Aug	1286.609497	2.040442228	2.634531498	0.089965411	569.1797485	0.164490446	363.9537659	0.000215581	0.000215581	1.45458E-06	0.012681446	0.003717361	0.271500736	0.010328905	4.74646E-06	82.57675171	9.50769E-05	0.000459547	0.000790845
2037 Sep	1146.733765	1.8292799	2.331633568	0.079744376	505.7745667	0.152340785	322.9104309	0.000335427	0.000335427	2.01041E-06	0.012750826	0.003452433	0.241941854	0.011868242	4.92304E-06	75.62961578	8.72465E-05	0.000438807	0.000721258
2037 Oct	879.8873901	1.413542747	1.768972993	0.060663793	386.1674194	0.124303959	245.9393463	0.000447936	0.000447936	2.4924E-06	0.01151318	0.002835683	0.185604706	0.012478519	4.70105E-06	60.53888321	6.97717E-05	0.000371493	0.000574221
2037 Nov	884.0183716	1.419982076	1.777914643	0.060965031	388.0418091	0.124641187	247.1535645	0.000443688	0.000443688	2.47244E-06	0.011516239	0.002842832	0.186470315	0.012429731	4.6923E-06	60.74237442	7.00281E-05	0.000372074	0.000576287
2037 Dec	882.5964966	1.417760611	1.774854779	0.060861804	387.3983459	0.124518223	246.7372894	0.000444973	0.000444973	2.47843E-06	0.011513782	0.002840199	0.186172187	0.012443537	4.69445E-06	60.67008591	6.99379E-05	0.000371842	0.000575559
2038 Jan	881.5178223	1.415999293	1.772469163	0.06078054	386.90271	0.124398209	246.4132385	0.000445752	0.000445752	2.48198E-06	0.011508537	0.00283877	0.185932994	0.012479621	4.69499E-06	60.63165665	6.98663E-05	0.000371877	0.000575522
2038 Feb	881.0048218	1.415101051	1.771257758	0.060738768	386.6584473	0.124325566	246.2499237	0.000446156	0.000446156	2.48382E-06	0.011504714	0.00283879	0.185807958	0.012522783	4.69529E-06	60.63042068	6.98318E-05	0.000372118	0.000575978
2038 Mar	880.8234253	1.414769173	1.770794988	0.060722776	386.5684509	0.124299839	246.188385	0.000446426	0.000446426	2.48511E-06	0.011503913	0.002839117	0.185760528	0.012547705	4.69597E-06	60.63650894	6.98208E-05	0.000372291	0.000576291
2038 Apr	882.0360718	1.416694045	1.773177028	0.060804389	387.0947266	0.124470882	246.5211487	0.000447247	0.000447247	2.48955E-06	0.011520644	0.002843544	0.186011046	0.012580627	4.70338E-06	60.73055649	6.99188E-05	0.000372946	0.00057733
2038 May	838.7282104	1.328629017	1.662533402	0.056994423	364.153595	0.118205115	235.2033539	0.000480506	0.000480506	2.64369E-06	0.01123194	0.002847274	0.177369446	0.015629184	4.75127E-06	60.63528824	6.80732E-05	0.000393498	0.000613945
2038 Jun	794.668335	1.177621245	1.498061419	0.051348601	328.7892761	0.111428849	233.2795868	0.000573169	0.000573169	3.10492E-06	0.011403267	0.002993241	0.176038101	0.019870743	5.1943E-06	63.1658287	7.17616E-05	0.000451373	0.000701297
2038 Jul	1231.046997	1.830396533	2.367042303	0.081053831	512.5918579	0.173789069	373.8536987	0.000493504	0.000493504	2.85387E-06	0.014805094	0.004086629	0.280089289	0.014339422	6.23032E-06	87.42571259	0.000103217	0.00051263	0.000853685
2038 Aug	1170.924072	1.755492091	2.264367342	0.077348933	489.5510559	0.161952734	357.8789673	0.00021638	0.00021638	1.45225E-06	0.012514618	0.003658685	0.267098546	0.010236262	4.68891E-06	81.30715942	9.35499E-05	0.000454517	0.000778035

Appendix D.2-34: F ZONE03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2038 Sep	993.7237549	1.505305767	1.903241158	0.06516026	413.8935242	0.144085258	301.7800598	0.000352691	0.000352691	2.07463E-06	0.012422877	0.003269975	0.226257384	0.011897185	4.79416E-06	71.34525299	8.27025E-05	0.000417648	0.000680518

Appendix D.2-34: F ZONE03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2038 Oct	751.9788818	1.148468614	1.417768717	0.048738696	311.207428	0.11804837	225.8672028	0.000502245	0.000502245	2.74284E-06	0.01133126	0.002700632	0.1711694	0.013013946	4.76699E-06	56.94048691	6.53199E-05	0.000358807	0.000538181
2038 Nov	786.0841064	1.198896527	1.486464024	0.05106039	325.7135925	0.121622711	236.6021423	0.000478543	0.000478543	2.63559E-06	0.01147318	0.002778528	0.178931519	0.012819018	4.75816E-06	58.94395447	6.77741E-05	0.000366629	0.000558093
2038 Dec	779.9915771	1.189903259	1.474152327	0.050644629	323.1186523	0.121000379	234.6799927	0.0004832	0.0004832	2.65686E-06	0.011451213	0.002765018	0.177544907	0.012860984	4.76179E-06	58.59132385	6.73403E-05	0.000365309	0.000554577
2039 Jan	777.5014038	1.186054707	1.468914866	0.05046612	322.0365906	0.120694324	233.8648376	0.000485103	0.000485103	2.6655E-06	0.011437366	0.002761461	0.176942155	0.012954109	4.76287E-06	58.49622345	6.71596E-05	0.000365417	0.000554541
2039 Feb	776.3240356	1.184085608	1.466250539	0.050373971	321.5054321	0.120507076	233.4526367	0.000486081	0.000486081	2.66994E-06	0.011427154	0.002761582	0.17662546	0.013066339	4.7634E-06	58.49538422	6.70721E-05	0.000366053	0.000555765
2039 Mar	776.3867798	1.184087038	1.466129184	0.050369471	321.5076904	0.120514371	233.4398499	0.000487053	0.000487053	2.67478E-06	0.011431952	0.002764151	0.176613182	0.013139263	4.768E-06	58.54794312	6.70853E-05	0.00036673	0.000556935
2039 Apr	778.7042847	1.187567711	1.470368743	0.050514933	322.4538574	0.120872714	234.1185913	0.000489039	0.000489039	2.6854E-06	0.011468287	0.002773741	0.177125186	0.013219501	4.78464E-06	58.75000381	6.72899E-05	0.000368195	0.000559239
2039 May	810.8791504	1.227677226	1.524954081	0.05235764	334.1416626	0.124968052	245.6611481	0.000478356	0.000478356	2.64398E-06	0.01171649	0.002883475	0.185517624	0.013623273	4.84808E-06	61.37548065	7.02153E-05	0.000383107	0.000589967
2039 Jun	724.4535522	1.01020968	1.302136421	0.044759352	282.8049927	0.110081509	233.6443481	0.000500434	0.000500434	2.74335E-06	0.011104428	0.002679323	0.177187353	0.010579704	4.85117E-06	56.22369003	7.12197E-05	0.000371206	0.000547876
2039 Jul	780.2960205	1.081209779	1.398192525	0.04812203	304.4544373	0.128073543	253.4471436	0.000571182	0.000571182	3.11712E-06	0.010964366	0.003022485	0.191022113	0.01256384	5.39999E-06	61.27829742	6.97308E-05	0.000358229	0.000590448
2039 Aug	770.1572876	1.077279449	1.372145772	0.047211822	300.4567871	0.129344955	249.1786499	0.000554275	0.000554275	3.02768E-06	0.010854427	0.002968725	0.189556077	0.013037891	5.26766E-06	61.65454483	6.67189E-05	0.000383414	0.000578738
2039 Sep	918.6497192	1.309527993	1.654284716	0.056667361	360.1184082	0.142959267	299.9736938	0.000345171	0.000345171	2.03525E-06	0.01218405	0.003243523	0.224955186	0.011642331	4.73922E-06	70.77546692	8.17219E-05	0.000413928	0.000674633
2039 Oct	850.3820801	1.218061566	1.525267124	0.052300725	332.8855286	0.134616151	276.919281	0.000379468	0.000379468	2.18256E-06	0.011921876	0.003060409	0.208005056	0.011914588	4.67524E-06	66.31951141	7.68523E-05	0.000394053	0.000631674
2039 Nov	836.9981689	1.199707031	1.499464393	0.051433146	327.5012207	0.13326332	272.3224792	0.00039377	0.00039377	2.24922E-06	0.011895742	0.003031458	0.204713807	0.012069076	4.69957E-06	65.52296448	7.58582E-05	0.000391509	0.000623642
2039 Dec	833.7033691	1.195177436	1.493136764	0.051220175	326.1776733	0.132919863	271.1940613	0.000397014	0.000397014	2.26426E-06	0.011887105	0.003024069	0.203903809	0.012102445	4.70422E-06	65.32349396	7.56105E-05	0.000390833	0.000621639
2040 Jan	831.7028198	1.192294121	1.489185572	0.051085681	325.3631287	0.132658958	270.4891052	0.000398632	0.000398632	2.2716E-06	0.011875401	0.003020676	0.203384101	0.012172734	4.70503E-06	65.23374176	7.54533E-05	0.000390834	0.000621418
2040 Feb	830.7780151	1.190857887	1.487221479	0.051017854	324.9735413	0.132507235	270.1400757	0.000399495	0.000399495	2.27554E-06	0.011867586	0.00302051	0.20311816	0.012257945	4.70567E-06	65.22600555	7.53791E-05	0.000391287	0.000622259
2040 Mar	831.1732178	1.191364646	1.487762213	0.051036157	325.1131287	0.132567987	270.2424622	0.000400392	0.000400392	2.28012E-06	0.011876147	0.003023675	0.203193247	0.012317223	4.71108E-06	65.29210663	7.54202E-05	0.000391953	0.000623384
2040 Apr	834.0653076	1.195476651	1.492845774	0.051210411	326.2359619	0.133027986	271.1682129	0.000402179	0.000402179	2.29E-06	0.011919096	0.00303516	0.203888252	0.012389877	4.72925E-06	65.53884888	7.56856E-05	0.000393584	0.000626016
2040 May	787.3222046	1.111841917	1.386420846	0.047552094	304.4146729	0.125549898	255.9823456	0.000450522	0.000450522	2.51545E-06	0.011619142	0.003023086	0.192464724	0.01580758	4.81255E-06	64.94919586	7.30912E-05	0.000414486	0.000660179
2040 Jun	588.979248	0.761994123	0.957834721	0.032867756	213.3395844	0.094360381	196.4190979	0.000555185	0.000555185	2.97637E-06	0.009982694	0.00270689	0.148084849	0.021739321	4.72819E-06	56.96042252	6.18353E-05	0.000429074	0.000673332
2040 Jul	667.6707153	0.868040025	1.101586819	0.037768964	242.9882507	0.106308796	226.4651489	0.000497129	0.000497129	2.71786E-06	0.010554976	0.002868854	0.170274839	0.019068398	4.74724E-06	61.04871368	6.84489E-05	0.000430731	0.000685389
2040 Aug	711.8052979	0.927659392	1.180739164	0.040462762	259.604126	0.113302611	242.9687958	0.000469135	0.000469135	2.5952E-06	0.010843514	0.002980108	0.182391986	0.018210797	4.77592E-06	63.75340271	7.17987E-05	0.00043546	0.000701228
2040 Sep	738.9702759	0.965511382	1.229909658	0.042137664	269.8967896	0.117906556	253.3074646	0.000446317	0.000446317	2.49198E-06	0.011004838	0.003037951	0.190050215	0.01738143	4.76771E-06	65.26425171	7.36816E-05	0.000436051	0.000705418
2040 Oct	739.8761597	0.968226135	1.231645107	0.042203143	270.271698	0.118508562	253.776825	0.000445661	0.000445661	2.48919E-06	0.011047201	0.003035722	0.190437749	0.017162537	4.76919E-06	65.21546936	7.37024E-05	0.000433913	0.000701088
2040 Nov	740.0032959	0.9685449	1.231824398	0.0422103	270.3180847	0.118589163	253.8253937	0.000446255	0.000446255	2.49221E-06	0.011056334	0.003036335	0.190481991	0.017156281	4.77262E-06	65.223526	7.37157E-05	0.00043388	0.000700841
2040 Dec	739.9200439	0.968445182	1.231669545	0.042205162	270.2865295	0.118583284	253.7943115	0.000446401	0.000446401	2.49291E-06	0.01105666	0.003036176	0.19046025	0.017157599	4.77303E-06	65.2184906	7.37094E-05	0.000433866	0.000700779
2041 Jan	739.8625488	0.968370557	1.231559873	0.042201445	270.2644653	0.118576467	253.772171	0.000446472	0.000446472	2.49324E-06	0.01105649	0.003036095	0.190444067	0.017160298	4.77315E-06	65.21611023	7.37046E-05	0.00043387	0.000700775
2041 Feb	739.84375	0.968342364	1.231516838	0.042199954	270.2566833	0.118573271	253.7635803	0.000446513	0.000446513	2.49343E-06	0.011056424	0.003036145	0.190437481	0.017163843	4.77327E-06	65.21702576	7.37031E-05	0.000433895	0.000700818
2041 Mar	739.9541626	0.968485057	1.23169446	0.04220603	270.2965088	0.118590876	253.8003387	0.000446609	0.000446609	2.49395E-06	0.011058194	0.003036668	0.190464973	0.017168574	4.77411E-06	65.2281723	7.37142E-05	0.000433979	0.000700957
2041 Apr	740.3638916	0.969020247	1.23237288	0.042229272	270.4458923	0.118656486	253.9402008	0.000446872	0.000446872	2.49541E-06	0.011064383	0.003038388	0.190569893	0.017179314	4.77682E-06	65.26508331	7.37552E-05	0.00043423	0.000701364
2041 May	742.2828369	0.970977068	1.234816909	0.042312112	270.9978638	0.118990213	254.7166595	0.000447763	0.000447763	2.50066E-06	0.011093892	0.003048387	0.191141382	0.01726526	4.78901E-06	65.48852539	7.39766E-05	0.000435819	0.0007042
2041 Jun	673.5682373	0.86599952	1.10404551	0.037911341	242.1643524	0.110383131	234.0024414	0.000483064	0.000483064	2.65598E-06	0.010769654	0.002821492	0.176429749	0.015381831	4.75917E-06	59.86702728	6.98702E-05	0.000405397	0.000632473
2041 Jul	678.2288818	0.858526349	1.098905206	0.037741188	240.2918396	0.112542756	240.4461975	0.000456678	0.000456678	2.53108E-06	0.010802819	0.002816455	0.181203708	0.013713554	4.6957E-06	59.89268875	7.11144E-05	0.000395329	0.000617895
2041 Aug	693.6420288	0.876894116	1.122812271	0.03855636	245.4192505	0.115276791	246.5700989	0.000454611	0.000454611	2.5271E-06	0.010964906	0.002872413	0.185727179	0.013744785	4.74733E-06	61.16572571	7.25238E-05	0.00040083	0.000629093
2041 Sep	705.572876	0.891050398	1.140852213	0.039167624	249.2603149	0.117421545	251.567215	0.000446415	0.000446415	2.49133E-06	0.011063959	0.002910642	0.18939057	0.013648791	4.75706E-06	62.11882401	7.35607E-05	0.000403997	0.000636565
2041 Oct	708.4150391	0.894464374	1.144193769	0.039281029	249.9870605	0.118177153	253.0141754	0.000442259	0.000442259	2.47205E-06	0.011096065	0.002919352	0.190441862	0.013569	4.75088E-06	62.36208725	7.3798E-05	0.000403967	0.000637406
2041 Nov	708.6318359	0.894770622	1.144407272	0.039289009	250.0439606	0.118260793	253.1038513	0.000442917	0.000442917	2.47543E-06	0.011105531	0.002920869	0.190514132	0.013579995	4.75504E-06	62.39078903	7.38258E-05	0.00040415	0.000637581
2041 Dec	708.6473999	0.894795477	1.144424319	0.039289683	250.0489349	0.118267275	253.1080475	0.00044303	0.00044303	2.47599E-06	0.011106595	0.002921029	0.190518096	0.013582022	4.75564E-06	62.39337921	7.38285E-05	0.000404177	0.000637604
2042 Jan	708.635376	0.894780755	1.144397616	0.039288793	250.0441895	0.118266493	253.1023865	0.000443078	0.000443078	2.47623E-06	0.011106765	0.002921061	0.190514073	0.013583928	4.75581E-06	62.39372635	7.38277E-05	0.00040419	0.00063762
2042 Feb	708.6236572	0.894764304	1.144372821	0.039287928	250.0396423	0.118264422	253.0970306	0.000443098	0.000443098	2.47632E-06	0.011106691	0.002921079	0.19050996	0.01358581	4.75586E-06	62.3940506	7.38266E-05	0.000404202	0.000637642
2042 Mar	708.696106	0.894854903	1.144486666	0.039291833	250.0649414	0.11827644	253.1222687	0.000443158	0.000443158	2.47665E-06	0.011107887	0.002921414	0.190528914	0.013588347	4.75641E-06	62.40116501	7.38342E-05	0.000404253	0.000637724
2042 Apr	709.5563965	0.895940721	1.145874143	0.039339464	250.3683929	0.118419982	253.4291687	0.000443705	0.000443705	2.4797E-06	0.011121405	0.002924981	0.190759912	0.013605497	4.76222E-06	62.47733688	7.39239E-05	0.00040475	0.000638509
2042 May	711.6355591	0.898054481	1.148400307	0.039425854	250.9646149	0.118800454	254.2194977	0.000446509	0.000446509	2.49452E-06	0.011164024	0.002938047	0.19135046	0.013756189	4.78399E-06	62.7539444	7.41833E-05	0.000407059	0.000642294
2042 Jun	684.2680664	0.853109777	1.091578245	0.037501577	238.5843201	0.115540437	246.6987152	0.000456247	0.000456247	2.53547E-06	0.011017688	0.002861958	0.185931697	0.01334337	4.75733E-06	60.91196823	7.26361E-05	0.000398079	0.0006215
2042 Jul	677.0742798	0.834265411	1.068694472	0.036725234	233.4507141	0.115601115	246.9143066	0.000451096	0.000451096	2.51003E-06	0.010971513	0.002848379	0.186086014	0.012873643	4.73464E-06	60.58263016	7.25075E-05	0.000393016	0.00061414
2042 Aug	679.737915	0.831282794	1.064710021	0.036586218	232.5544891	0.117316917	250.0827026	0.000439439	0.000439439	2.45506E-06	0.01093407	0.002865836	0.188402563	0.012623217	4.70864E-06	61.05186844	7.26054E-05	0.000391559	0.000614836
2042 Sep	679.7191772	0.828618526	1.060380816	0.036438841	231.6546021	0.118048854	251.0784302	0.000435816	0.000435816	2.43797E-06	0.010926869	0.002871118	0.189162642	0.012535824	4.70052E-06	61.21092606	7.25531E-05	0.000391083	0.000614234
2042 Oct	679.8526611	0.827873468	1.058395624	0.03637065	231.2467957	0.118403502	251.6458588	0.000432876	0.000432876	2.42385E-06	0.01093974	0.002873477	0.189564273	0.01249177	4.69148E-06	61.30018234	7.26113E-05	0.000390689	0.000614169
2042 Nov	680.1520996	0.828235507	1.058805823	0.036384959	231.3398895	0.118470408	251.7619476	0.000433261	0.000433261	2.4259E-06	0.010946688	0.002875	0.189653248	0.012500617	4.69456E-06	61.33135223	7.26465E-05	0.000390897	0.000614457
2042 Dec	680.1646118	0.828253448	1.058821321	0.036385536	231.3439026	0.118474513	251.7658539	0.000433321	0.000433321	2.4262E-06	0.010947299	0.002875101	0.189656615	0.012501714	4.69489E-06	61.33308411	7.26483E-05	0.000390913	0.000614473
2043 Jan	680.1529541	0.828239679	1.058799624	0.036384806	231.3397217	0.118473083	251.7608032	0.000433341	0.000433341	2.42629E-06	0.01094729	0.002875092	0.189652935	0.012502573	4.69494E-06	61.33273315	7.26473E-05	0.000390916	0.000614476
2043 Feb	680.1483765	0.828233302	1.05878973	0.036384456	231.3379669	0.118472196	251.7585144	0.000433352	0.000433352	2.42634E-06	0.01094727	0.002875106	0.189651147	0.012503545	4.69497E-06	61.33298874	7.26469E-05	0.000390923	0.000614488
2043 Mar	680.1720581	0.828261852	1.058825135	0.03638567	231.345932	0.118476294	251.7669525	0.000433375	0.000433375	2.42647E-06	0.010947682	0.002875224	0.189657494	0.012504558	4.69517E-06	61.335495	7.26495E-05	0.000390942	0.000614518
2043 Apr	680.7810669	0.829003155	1.059772253	0.036418214	231.553009	0.118582338	251.9921722	0.000433767	0.000433767	2.42866E-06	0.0109575	0.002877809	0.189827129	0.012516081	4.69939E-06	61.39062119	7.27145E-05	0.000391295	0.000615074
2043 May	681.7260742	0.829602182	1.060323477	0.036437061	231.7273254	0.118783414	252.3759613	0.000436544	0.000436544	2.44292E-06	0.010986999	0.002887247	0.190114468	0.012668963	4.7169E-06	61.58551407	7.28702E-05	0.000393223	0.000618194
2043 Jun	656.1412354	0.788229525	1.005451202	0.034557793	220.3045502	0.115189821	244.3053131	0.000449739	0.000449739	2.50034E-06	0.010814507	0.002849243	0.184071198	0.013640109	4.69957E-06	60.66158295	7.11993E-05	0.000395261	0.000620679
2043 Jul	661.1865234	0.790383279	1.008662939	0.034669079	220.9479523	0.116530344	247.3597717	0.000449439	0.000449439	2.50203E-06	0.010900697	0.002875779	0.186331764	0.013593247	4.72913E-06	61.24348068	7.194E-05	0.000397424	0.000625251
2043 Aug	667.9465942	0.795621693	1.015446067	0.034900408	222.3991547	0.118115947	250.8469543	0.000447758	0.000447758	2.49725E-06	0.010987769	0.002906785	0.188917682	0.013591398	4.75602E-06	61.95862579	7.27056E-05	0.000400441	0.000631204
2043 Sep	670.8358765	0.796386659	1.016268134	0.034926903	222.555954	0.119027533	252.8762207	0.000443492	0.000443492	2.47803E-06	0.011017607	0.00292088	0.190411448	0.013516623	4.75531E-06	62.32259369	7.30642E-05	0.000401322	0.000633522
2043 Oct	667.5355835	0.79163307	1.00892961	0.034679342	221.0215302	0.118882872	252.0195618	0.000444459	0.000444459	2.48196E-06	0.011013747	0.002913162	0.189791352	0.013494493	4.7513E-06	62.14171219	7.28209E-05	0.000400012	0.000630813
2043 Nov	663.0516357	0.786101282	1.000677943	0.034401406	219.298645	0.118451901	250.4658966	0.000446953	0.000446953	2.49279E-06	0.010996044	0.002900528	0.188665211	0.013491323	4.74785E-06	61.83275604	7.24284E-05	0.000398342	0.000627111
2043 Dec	663.0292969	0.786079943	1.000637293	0.034400091	219.2908936	0.118451409	250.4561005	0.000447032	0.000447032	2.49318E-06	0.010996418	0.002900516	0.18865861	0.013492443	4.74814E-06	61.83176041	7.24269E-05	0.000398345	0.000627098
2044 Jan	663.0169678	0.786065936	1.000614166	0.034399308	219.2865601	0.118450008	250.4504395	0.000447061	0.000447061	2.49332E-06	0.010996456	0.002900518	0.188654497	0.013493654	4.74822E-06	61.83155823	7.24258E-05	0.000398351	0.000627104
2044 Feb	663.0512085	0.786105573	1.000661969	0.034400947	219.2976379	0.118455999	250.4624786	0.000447103	0.000447103	2.49354E-06	0.010997098	0.002900713	0.188663512	0.013495808	4.74855E-06	61.83567429	7.24297E-05	0.000398385	0.000627159
2044 Mar	663.1384277	0.78620863	1.000791788	0.034405403	219.3263702	0.118471526	250.4949799	0.000447172	0.000447172	2.49392E-06	0.010998586	0.002901119	0.188687965	0.013498375	4.74922E-06	61.84431458	7.24393E-05	0.000398444	0.000627254
2044 Apr	663.3657837	0.786477804	1.00113368	0.034417156	219.4014893	0.118512101	250.5805817	0.000447331	0.000447331	2.4948E-06	0.011002379	0.002902127	0.188752443	0.013503442	4.75088E-06	61.86579132	7.24641E-05	0.000398585	0.000627475
2044 May	664.9336548	0.788250864	1.003376603	0.034494203	219.8967896	0.118797995	251.1883698	0.000448469	0.000448469	2.50112E-06	0.011029278	0.002909446	0.189209208	0.013544849	4.76265E-06	62.02228546	7.26416E-05	0.000399632	0.000629151
2044 Jun	588.8937378	0.685916066	0.873122513	0.030103683	192.0210114	0.108183235	224.1612701	0.000500422	0.000500422	2.73276E-06	0.01016603	0.002624447	0.169038102	0.012850368	4.74848E-06	55.96711349	6.5634E-05	0.000368348	0.00056818
2044 Jul	470.4226685	0.53959918	0.686889112	0.0238609	152.4082947	0.091365881	178.757843	0.000607218	0.000607218	3.21939E-06	0.008608856	0.002128212	0.134970874	0.01157832	4.82137E-06	45.71988297	5.32071E-05	0.000312707	0.000462327
2044 Aug	372.3480225	0.421145946	0.535808027	0.018801963	120.4530487	0.077250518	140.2761078	0.000701343	0.000701343	3.6498E-06	0.007337945	0.00171147	0.106256403	0.010683364	4.90026E-06	37.16940308	4.26328E-05	0.00025699	0.000378451
2044 Sep	312.9061279	0.347969741	0.442180157	0.015658839	100.6906204	0.068703718	117.3422928	0.000749287	0.000749287	3.86551E-06	0.006577685	0.001457706	0.089241371	0.010118323	4.90618E-06	32.05300903	3.62207E-05	0.000213944	0.000330729
2044 Oct	290.1760254	0.320239723	0.406478137	0.014460536	93.17070007	0.065416247	108.4931412	0.000767872	0.000767872	3.94917E-06	0.006287394	0.001360016	0.082654342	0.009917498	4.90888E-06	30.09713364	3.37783E-05	0.000197658	0.000312256
2044 Nov	290.3648987	0.320429862	0.406637877	0.014465937	93.20751953	0.065466397	108.5871201	0.000767783	0.000767783	3.94883E-06	0.006293159	0.001361318	0.082726903	0.009923141	4.90938E-06	30.1214447	3.38062E-05	0.000197826	0.000312454
2044 Dec	290.3700256	0.320436507	0.406643867	0.014466165	93.20910645	0.065468147	108.5887909	0.000767812	0.000767812	3.94897E-06	0.006293403	0.001361358	0.082728311	0.009923592	4.90954E-06	30.12216568	3.3807E-05	0.000197832	0.000312461
2045 Jan	290.3680725	0.32043463	0.406640142	0.014466036	93.20842743	0.065467872	108.5878296	0.000767815	0.000767815	3.94898E-06	0.006293416	0.001361362	0.082727626	0.009923873	4.90954E-06	30.12218857	3.38068E-05	0.000197834	0.000312463
2045 Feb	290.3675537	0.320433915	0.406638563	0.014465979	93.20820618	0.065467693	108.5874252	0.000767817	0.000767817	3.94899E-06	0.006293419	0.00136137	0.082727298	0.009924196	4.90954E-06	30.12234879	3.38068E-05	0.000197837	0.000312468
2045 Mar	290.3862915	0.320454478	0.406664371	0.014466895	93.21419525	0.065471873	108.5943146	0.000767868	0.000767868	3.94926E-06	0.006293832	0.001361464	0.082732543	0.009925023	4.90987E-06	30.12440872	3.3809E-05	0.000197851	0.000312491
2045 Apr	290.4544678	0.32052967	0.40675959	0.014470283	93.23606873	0.065487236	108.619751	0.000768049	0.000768049	3.95019E-06	0.006295315	0.001361787	0.082751915	0.00992746	4.91102E-06	30.13154984	3.38169E-05	0.000197899	0.000312566
2045 May	290.8975525	0.321018606	0.407379985	0.014492352	93.37828827	0.065587126	108.7854156	0.000769221	0.000769221	3.95622E-06	0.006304921	0.001363866	0.082878128	0.009942653	4.91852E-06	30.17754745	3.38685E-05	0.000198201	0.000313043
2045 Jun	283.133606	0.309424818	0.392754078	0.013996866	90.17359924	0.064530723	106.3628922	0.000771722	0.000771722	3.96623E-06	0.006243977	0.00133988	0.08109127	0.009821628	4.90682E-06	29.59192467	3.33487E-05	0.000197178	0.000306076
2045 Jul	260.1508789	0.280611247	0.356161743	0.012769791	82.34486389	0.061299704	97.68193054	0.000792487	0.000792487	4.06103E-06	0.005948304	0.001247182	0.07455232	0.009566778	4.92273E-06	27.62447357	3.10311E-05	0.000189954	0.000284627

Appendix D.2-34: F ZONE03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2045 Aug	233.9307098	0.249235332	0.316193551	0.011432883	73.90081024	0.057532951	87.31400299	0.000819128	0.000819128	4.1834E-06	0.005601582	0.001134828	0.066806801	0.009334144	4.95035E-06	25.32502937	2.81591E-05	0.000175313	0.000262114

Appendix D.2-34: F ZONE03

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt	Chromium
2045 Sep	213.8679352	0.224920332	0.285132617	0.010391133	67.37433624	0.054594051	79.42405701	0.000836396	0.000836396	4.26146E-06	0.005343307	0.00104718	0.060966745	0.009164029	4.95611E-06	23.5814209	2.59475E-05	0.00015898	0.000246654
2045 Oct	204.760788	0.214071378	0.271265626	0.009926621	64.46988678	0.053235088	75.76135254	0.00084487	0.00084487	4.29999E-06	0.005222639	0.00100651	0.058242191	0.009094261	4.96108E-06	22.78184319	2.49354E-05	0.000151685	0.000239429
2045 Nov	204.8059387	0.214119315	0.271324664	0.009928791	64.48406219	0.053247221	75.77788544	0.000845067	0.000845067	4.30099E-06	0.005223881	0.001006743	0.058254994	0.009096453	4.96222E-06	22.78699493	2.49411E-05	0.000151721	0.000239483
2045 Dec	204.8150024	0.214129195	0.271336198	0.00992922	64.4868927	0.053249795	75.78114319	0.000845109	0.000845109	4.30121E-06	0.005224161	0.001006794	0.05825755	0.009096957	4.96246E-06	22.78807259	2.49422E-05	0.000151729	0.000239494
2046 Jan	204.8162231	0.21413058	0.271337479	0.009929268	64.48725891	0.05325016	75.7815094	0.000845117	0.000845117	4.30125E-06	0.005224212	0.001006805	0.058257844	0.00909714	4.9625E-06	22.78829193	2.49424E-05	0.000151731	0.000239497
2046 Feb	204.8181915	0.214132562	0.271339774	0.009929351	64.48786163	0.053250633	75.78215027	0.000845126	0.000845126	4.30129E-06	0.005224267	0.001006818	0.058258336	0.009097356	4.96255E-06	22.78858948	2.49426E-05	0.000151733	0.000239501
2046 Mar	204.8397827	0.214155138	0.271368206	0.009930392	64.49464417	0.053256232	75.7901001	0.000845215	0.000845215	4.30175E-06	0.00522482	0.001006927	0.058264442	0.009098385	4.96308E-06	22.79103661	2.49453E-05	0.00015175	0.000239527
2046 Apr	204.9328766	0.214252442	0.271491468	0.009934901	64.5239563	0.053280424	75.82452393	0.0008456	0.0008456	4.3037E-06	0.005227196	0.001007386	0.058290903	0.009102561	4.96533E-06	22.80142212	2.49566E-05	0.000151819	0.000239637
2046 May	205.2866058	0.214596897	0.271920413	0.009950371	64.62604523	0.053367119	75.96287537	0.000846764	0.000846764	4.30966E-06	0.005235934	0.001009315	0.05839638	0.0091207	4.97251E-06	22.84399605	2.50017E-05	0.000152123	0.000240121
2046 Jun	203.0212708	0.210072696	0.266176015	0.009751181	63.32444382	0.053042632	75.5715332	0.000843172	0.000843172	4.29133E-06	0.005240123	0.001008511	0.058127418	0.009090144	4.95092E-06	22.74154091	2.5019E-05	0.00015358	0.000238579
2046 Jul	194.5171661	0.19827719	0.251257509	0.009246251	60.0688324	0.051880613	72.73976135	0.000845964	0.000845964	4.30238E-06	0.00513146	0.000977756	0.055972815	0.008948249	4.9365E-06	22.05331612	2.42691E-05	0.000152617	0.000230262
2046 Aug	182.1727905	0.183699697	0.232677355	0.008626099	56.15485764	0.05012932	67.8015213	0.000859901	0.000859901	4.36689E-06	0.004966557	0.000924445	0.052281853	0.008846777	4.95585E-06	20.9650135	2.289E-05	0.000145831	0.000219596
2046 Sep	172.3722382	0.171712011	0.217264771	0.008107992	52.92162323	0.048708227	64.00034332	0.000866914	0.000866914	4.39797E-06	0.004839194	0.00088162	0.049477626	0.008760972	4.95205E-06	20.12262344	2.17949E-05	0.000136914	0.00021236
2046 Oct	167.871994	0.166284889	0.210150406	0.007868601	51.43438721	0.048053682	62.24020386	0.000869843	0.000869843	4.41077E-06	0.004781574	0.000861934	0.048170943	0.008726679	4.9487E-06	19.73926544	2.1299E-05	0.000132904	0.000208939
2046 Nov	167.9861755	0.166385084	0.21024549	0.007871775	51.45549393	0.048081458	62.29908371	0.000869755	0.000869755	4.41039E-06	0.004784492	0.000862671	0.048215754	0.0087293	4.94885E-06	19.75359917	2.13158E-05	0.000132998	0.000209064
2046 Dec	167.9919434	0.166391283	0.21025227	0.007872035	51.45724106	0.048083343	62.30112076	0.000869791	0.000869791	4.41057E-06	0.004784711	0.000862707	0.04821739	0.00872971	4.94905E-06	19.75435448	2.13166E-05	0.000133004	0.000209072
2047 Jan	167.9924011	0.166391879	0.210252464	0.007872043	51.45736313	0.048083518	62.30118942	0.000869795	0.000869795	4.41059E-06	0.004784745	0.000862715	0.048217457	0.008729877	4.94907E-06	19.75449944	2.13166E-05	0.000133006	0.000209074
2047 Feb	167.9940643	0.166393489	0.210254237	0.007872108	51.45785522	0.04808395	62.30171585	0.000869804	0.000869804	4.41064E-06	0.004784796	0.000862728	0.048217859	0.008730105	4.94912E-06	19.75478172	2.13169E-05	0.000133008	0.000209079
2047 Mar	168.0190735	0.166418254	0.210285366	0.007873273	51.46550751	0.048091084	62.31093979	0.000869934	0.000869934	4.4113E-06	0.004785511	0.000862859	0.048224997	0.008731482	4.94986E-06	19.75777245	2.132E-05	0.000133029	0.000209111
2047 Apr	168.0504913	0.166449368	0.2103246	0.007874742	51.47512817	0.048100062	62.32256699	0.000870097	0.000870097	4.41212E-06	0.004786407	0.000863022	0.048233993	0.008733159	4.95079E-06	19.76149559	2.1324E-05	0.000133054	0.000209151
2047 May	168.3582001	0.166645661	0.210513458	0.007880826	51.52776718	0.048158038	62.45860291	0.000870421	0.000870421	4.41388E-06	0.004795129	0.000865959	0.048336204	0.008773373	4.95373E-06	19.81988716	2.13752E-05	0.000133625	0.000210041
2047 Jun	168.2004547	0.164954826	0.208052918	0.007790498	51.01228333	0.048120886	62.72265244	0.000866643	0.000866643	4.39526E-06	0.004806029	0.000875553	0.048512857	0.008926955	4.93747E-06	19.98792458	2.15038E-05	0.000136617	0.000213051
2047 Jul	162.3544617	0.15809454	0.199352726	0.007502551	49.17004395	0.047345378	60.3644371	0.000875957	0.000875957	4.43937E-06	0.004727494	0.000850762	0.046721041	0.008875137	4.96009E-06	19.46811104	2.08733E-05	0.000135803	0.000207015
2047 Aug	154.8597107	0.14940539	0.1883104	0.00713565	46.85061264	0.046297189	57.31172562	0.000886001	0.000886001	4.48639E-06	0.00462911	0.000817761	0.04444268	0.008811913	4.97917E-06	18.7953949	2.00266E-05	0.000131696	0.000200328
2047 Sep	148.3416443	0.141641572	0.178361446	0.006801549	44.76483917	0.045326926	54.72442245	0.000890745	0.000890745	4.50739E-06	0.004543899	0.000788441	0.042539891	0.008747596	4.97644E-06	18.21748734	1.92838E-05	0.00012534	0.000195374
2047 Oct	145.2137909	0.137988582	0.173587039	0.006640657	43.76421356	0.04484779	53.47295761	0.000892331	0.000892331	4.51401E-06	0.00450204	0.00077425	0.041611876	0.008716738	4.97159E-06	17.9399147	1.89307E-05	0.000122357	0.000192878
2047 Nov	145.2870331	0.138049766	0.173627079	0.006641896	43.77309036	0.04486708	53.51475906	0.000892169	0.000892169	4.51324E-06	0.004504398	0.000774833	0.041644119	0.0087187	4.9712E-06	17.95027733	1.89429E-05	0.000122432	0.000192961
2047 Dec	145.2927551	0.138055608	0.173633561	0.006642148	43.77479935	0.044869032	53.51677704	0.000892208	0.000892208	4.51344E-06	0.00450462	0.000774869	0.041645739	0.008719134	4.97142E-06	17.95104599	1.89437E-05	0.000122437	0.000192969
2048 Jan	145.2951202	0.138057977	0.173636079	0.006642246	43.77548981	0.044869795	53.51756287	0.000892224	0.000892224	4.51353E-06	0.00450471	0.000774886	0.041646361	0.008719391	4.97151E-06	17.9514122	1.89441E-05	0.00012244	0.000192974
2048 Feb	145.2994232	0.13806206	0.173640966	0.006642432	43.77677536	0.044871073	53.51906967	0.000892251	0.000892251	4.51366E-06	0.004504845	0.000774912	0.041647531	0.008719767	4.97165E-06	17.95201492	1.89446E-05	0.000122445	0.000192982
2048 Mar	145.3001862	0.13806276	0.173641726	0.006642461	43.77700043	0.044871286	53.51931	0.000892256	0.000892256	4.51368E-06	0.004504871	0.000774918	0.041647717	0.008719876	4.97168E-06	17.95215034	1.89447E-05	0.000122446	0.000192984
2048 Apr	145.3515778	0.138110653	0.173701629	0.006644738	43.79208755	0.044886798	53.53862	0.000892551	0.000892551	4.51518E-06	0.004506422	0.000775199	0.041662667	0.008723024	4.97334E-06	17.95861435	1.89515E-05	0.000122491	0.000193055
2048 May	145.5634918	0.13831161	0.173954174	0.006654393	43.85575867	0.044952083	53.61684036	0.000893844	0.000893844	4.52172E-06	0.004512976	0.000776333	0.041723501	0.008735789	4.98055E-06	17.98486137	1.89791E-05	0.00012267	0.000193338
2048 Jun	144.3566742	0.13624531	0.171352431	0.006562836	43.24506378	0.044716172	53.34139252	0.000890414	0.000890414	4.50431E-06	0.004511117	0.000774955	0.04153268	0.008697371	4.96087E-06	17.89970016	1.89706E-05	0.000123313	0.000192042
2048 Jul	140.4720306	0.131253242	0.165045127	0.006349502	41.85898209	0.044134919	51.93335342	0.000891844	0.000891844	4.51001E-06	0.004464541	0.000761108	0.040469266	0.008635521	4.95394E-06	17.56504059	1.8628E-05	0.000123466	0.000187852
2048 Aug	135.4471283	0.125441849	0.1576491	0.006103722	40.30625534	0.04344213	49.8856926	0.000898524	0.000898524	4.54127E-06	0.004397614	0.00073923	0.038941927	0.008595139	4.96645E-06	17.11533356	1.80509E-05	0.000120766	0.000183356
2048 Sep	130.7533417	0.120034322	0.150718734	0.005871445	38.86115265	0.042728163	47.96307373	0.000902407	0.000902407	4.55866E-06	0.004335538	0.000717588	0.037529349	0.00855465	4.96619E-06	16.69138718	1.75005E-05	0.000115962	0.000179828
2048 Oct	128.4908905	0.117456339	0.147349373	0.005757845	38.15673447	0.042370901	47.03898621	0.000903465	0.000903465	4.56299E-06	0.004303969	0.00070703	0.036843661	0.008532559	4.96204E-06	16.48691177	1.72378E-05	0.00011367	0.000178031
2048 Nov	128.5186005	0.117488265	0.14734751	0.005757768	38.15771103	0.042382825	47.05456161	0.000903443	0.000903443	4.56289E-06	0.004306064	0.000707423	0.036856938	0.008535454	4.96208E-06	16.49271584	1.72443E-05	0.000113728	0.000178072
2048 Dec	128.5228119	0.117492482	0.147352025	0.005757949	38.15895081	0.042384375	47.05602264	0.000903476	0.000903476	4.56306E-06	0.004306244	0.00070745	0.036858127	0.008535814	4.96226E-06	16.49330902	1.72449E-05	0.000113733	0.000178078
2049 Jan	128.5235596	0.117493294	0.147352621	0.005757973	38.1591568	0.042384639	47.05622101	0.000903482	0.000903482	4.56309E-06	0.004306284	0.000707459	0.036858294	0.008535965	4.96229E-06	16.49346924	1.72451E-05	0.000113734	0.00017808
2049 Feb	128.5242615	0.11749392	0.147353217	0.005757995	38.15935516	0.042384826	47.05641174	0.000903487	0.000903487	4.56311E-06	0.004306309	0.000707466	0.036858436	0.008536113	4.96232E-06	16.49362183	1.72452E-05	0.000113736	0.000178083
2049 Mar	128.5323944	0.117501363	0.147362441	0.005758356	38.16176605	0.042387486	47.05935669	0.000903545	0.000903545	4.5634E-06	0.004306582	0.000707512	0.036860742	0.008536711	4.96263E-06	16.49470329	1.72462E-05	0.000113744	0.000178095
2049 Apr	128.5745544	0.117539898	0.147410706	0.005760241	38.17427826	0.042401373	47.07477188	0.000903841	0.000903841	4.5649E-06	0.004307996	0.000707745	0.036872815	0.008539543	4.96426E-06	16.50013161	1.72519E-05	0.000113781	0.000178154
2049 May	128.767395	0.117707878	0.147618607	0.005768273	38.22808456	0.042462062	47.14848328	0.000905041	0.000905041	4.57098E-06	0.004314248	0.000708872	0.036930121	0.008552885	4.97097E-06	16.52584839	1.72784E-05	0.000113965	0.000178444
2049 Jun	127.6080933	0.115973249	0.14541012	0.005689934	37.709198	0.042201925	46.81023026	0.000901653	0.000901653	4.5537E-06	0.00431067	0.000707324	0.036692567	0.008527816	4.95082E-06	16.43789101	1.72517E-05	0.000114527	0.000177293
2049 Jul	124.7185059	0.112435557	0.140943378	0.005539289	36.73127365	0.041767512	45.71842194	0.000903148	0.000903148	4.56006E-06	0.004270945	0.000696253	0.035860464	0.008482551	4.94736E-06	16.18015862	1.69709E-05	0.000114667	0.000174069
2049 Aug	121.1796799	0.108450256	0.135889933	0.005374091	35.69189072	0.041319966	44.20867538	0.000911003	0.000911003	4.59774E-06	0.00422843	0.000680439	0.034735296	0.008473172	4.97114E-06	15.86445236	1.65593E-05	0.000112833	0.000170994
2049 Sep	117.670105	0.104472347	0.130770579	0.005202438	34.62705612	0.040778887	42.75691605	0.000913764	0.000913764	4.61002E-06	0.004181639	0.000664024	0.033669721	0.008443455	4.97007E-06	15.54489899	1.61414E-05	0.000109029	0.0001684
2049 Oct	115.9662247	0.102564551	0.128252894	0.005117452	34.10215759	0.040507127	42.05454254	0.000914426	0.000914426	4.61259E-06	0.004157867	0.000656025	0.033149227	0.008427647	4.9662E-06	15.39045525	1.5941E-05	0.000107216	0.000167061
2049 Nov	115.9982605	0.102591924	0.128268734	0.005118022	34.10650635	0.040517762	42.07130432	0.000914461	0.000914461	4.61278E-06	0.004159258	0.000656308	0.033162523	0.008429528	4.96654E-06	15.39552021	1.59467E-05	0.000107256	0.000167105
2049 Dec	116.0026932	0.102596149	0.128273398	0.005118212	34.10779953	0.040519435	42.07285309	0.000914499	0.000914499	4.61297E-06	0.004159447	0.000656337	0.033163778	0.00842991	4.96674E-06	15.39614868	1.59474E-05	0.000107261	0.000167111
2050 Jan	116.0039291	0.102597341	0.128274575	0.00511826	34.1081543	0.040519878	42.07324219	0.000914509	0.000914509	4.61303E-06	0.004159503	0.000656347	0.033164095	0.00843008	4.9668E-06	15.39636326	1.59476E-05	0.000107263	0.000167114
2050 Feb	116.0044708	0.102597818	0.128275037	0.005118277	34.10830688	0.040520027	42.07339096	0.000914513	0.000914513	4.61305E-06	0.004159523	0.000656353	0.033164207	0.008430197	4.96682E-06	15.39648342	1.59476E-05	0.000107264	0.000167116
2050 Mar	116.0058136	0.102599002	0.128276423	0.005118332	34.1086998	0.040520478	42.07384872	0.000914524	0.000914524	4.6131E-06	0.004159571	0.000656362	0.033164568	0.008430338	4.96688E-06	15.39668846	1.59478E-05	0.000107266	0.000167119
2050 Apr	116.031929	0.102622107	0.128305256	0.005119483	34.11637497	0.040529586	42.08330536	0.00091473	0.00091473	4.61414E-06	0.004160508	0.00065651	0.033172019	0.00843226	4.968E-06	15.40016937	1.59514E-05	0.00010729	0.000167157
2050 May	116.1561279	0.102730505	0.12843892	0.005124805	34.15225983	0.040572252	42.12824631	0.000915691	0.000915691	4.61899E-06	0.004165005	0.000657253	0.033207435	0.008442158	4.97322E-06	15.41728401	1.59688E-05	0.000107415	0.000167351
2050 Jun	115.2560196	0.101496682	0.126823038	0.005067736	33.78560257	0.040369365	41.81145477	0.000913989	0.000913989	4.61016E-06	0.004162087	0.00065638	0.03297985	0.008450306	4.96161E-06	15.35894108	1.59354E-05	0.000108047	0.000166782
2050 Jul	114.2667694	0.100109428	0.125078082	0.005007204	33.38611221	0.040200878	41.50275803	0.000912595	0.000912595	4.60288E-06	0.004149899	0.000653686	0.0327463	0.008424754	4.95164E-06	15.27568054	1.58639E-05	0.000108303	0.000165623
2050 Aug	114.7133255	0.100416131	0.125460252	0.005022047	33.48402786	0.040348109	41.70490265	0.000914817	0.000914817	4.61419E-06	0.004163848	0.000656573	0.032902442	0.00844945	4.96472E-06	15.3366003	1.59278E-05	0.000108712	0.000166238
2050 Sep	114.9344482	0.100538738	0.125556409	0.005025176	33.50610733	0.040411625	41.83537674	0.000914638	0.000914638	4.61343E-06	0.004170045	0.000658294	0.033003278	0.008455758	4.96514E-06	15.36898422	1.59628E-05	0.000108938	0.000166513
2050 Oct	115.0398102	0.100624926	0.125640839	0.005028466	33.52872086	0.040447377	41.88235855	0.00091514	0.00091514	4.61599E-06	0.004174044	0.000659027	0.033040199	0.008462461	4.96811E-06	15.38414001	1.59792E-05	0.000109049	0.000166661
2050 Nov	115.0734863	0.100654505	0.125677109	0.005029919	33.53842926	0.040459279	41.89467621	0.000915406	0.000915406	4.61733E-06	0.004175287	0.000659224	0.033049941	0.008464965	4.96955E-06	15.38868237	1.5984E-05	0.000109081	0.000166711
2050 Dec	115.077507	0.100658208	0.12568137	0.005030091	33.53960037	0.040460765	41.89610672	0.000915439	0.000915439	4.6175E-06	0.004175451	0.000659249	0.033051088	0.008465297	4.96973E-06	15.38924503	1.59846E-05	0.000109085	0.000166716

Appendix D.2-34: F ZONE03

Constituents	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Operations (2020-2043): Min	1.0E-06	2.1E-04	5.5E-09	1.8E-03	4.5E-03	1.1E-04	1.6E-07	6.9E-03	1.4E-06	7.7E-06	5.3E-07	1.3E-07	7.2E-08	1.7E-04	1.1E-09	5.5E-08	1.2E-06	8.6E-07	7.00E-04
Operations (2020-2043): Mean	4.5E-03	6.0E-02	2.9E-05	3.9E+00	3.0E+01	1.4E-01	2.9E-03	1.0E+02	1.5E-02	5.7E-03	1.1E-04	2.5E-03	9.4E-04	3.8E-01	1.8E-06	8.2E-04	1.4E-03	2.9E-03	5.7E-03
Operations (2020-2043): Max	6.7E-03	1.1E-01	4.3E-05	5.7E+00	4.5E+01	2.0E-01	0.00434	2.2E+02	2.3E-02	8.0E-03	3.9E-04	3.8E-03	1.4E-03	5.6E-01	2.4E-06	1.2E-03	2.1E-03	4.3E-03	8.4E-03
Active Closure (2044-2050): Min	1.3E-03	2.2E-02	5.4E-06	1.4E+00	5.6E+00	2.4E-02	5.2E-04	1.3E+01	2.8E-03	4.6E-03	5.3E-05	4.2E-04	1.8E-04	8.5E-02	1.8E-06	1.4E-04	2.9E-04	1.2E-03	8.7E-04
Active Closure (2044-2050): Mean	1.9E-03	2.9E-02	9.6E-06	1.8E+00	1.0E+01	4.5E-02	9.5E-04	2.4E+01	5.0E-03	4.8E-03	6.7E-05	8.0E-04	3.2E-04	1.4E-01	2.0E-06	2.6E-04	5.1E-04	1.5E-03	1.7E-03
Active Closure (2044-2050): Max	4.6E-03	6.3E-02	3.0E-05	4.0E+00	3.0E+01	1.4E-01	3.0E-03	7.6E+01	1.5E-02	5.6E-03	1.4E-04	2.6E-03	9.7E-04	3.9E-01	2.0E-06	8.3E-04	1.5E-03	3.1E-03	5.6E-03
Water quality guideline for the protection of aquatic life	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***0.001***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***	**-**
Note: Calculation excludes zero values; Values higher than appli																			
Model Predictions (2020-2050)																			
2020 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-34: F ZONE03

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2025 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2029 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix D.2-34: F ZONE03

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2031 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2031 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2032 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2033 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2034 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2035 Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2036 Jan	1.04861E-06	0.000209721	5.51898E-09	0.00184334	0.004459336	0.000113139	1.6281E-07	0.00692632	1.43493E-06	7.72657E-06	5.27615E-07	1.26937E-07	7.17467E-08	0.00017164	1.1038E-09	5.51898E-08	1.15899E-06	8.55442E-07	0
2036 Feb	5.10069E-06	0.001020138	2.68457E-08	0.008966473	0.021691347	0.000550337	7.91949E-07	0.033691388	6.97989E-06	3.7584E-05	2.56645E-06	6.17452E-07	3.48994E-07	0.000834902	5.36915E-09	2.68457E-07	5.6376E-06	4.16109E-06	0
2036 Mar	9.71975E-06	0.00194395	5.11566E-08	0.017086295	0.041334506	0.00104871	1.50912E-06	0.064201497	1.33007E-05	7.16192E-05	4.89057E-06	1.1766E-06	6.65035E-07	0.001590969	1.02313E-08	5.11566E-07	1.07429E-05	7.92927E-06	0
2036 Apr	0.000579241	0.012792124	3.45169E-06	0.534613669	3.90939641	0.02181921	0.000362717	19.4444809	0.001926935	0.000578119	3.0837E-05	0.000318258	0.000120526	0.053273674	1.7627E-07	0.000102933	0.000220779	0.000337901	0.00070011
2036 May	0.002350621	0.046165988	1.41325E-05	2.142429829	15.91622066	0.085740291	0.001485758	79.6702652	0.007879446	0.002230861	0.000122074	0.001306404	0.000494534	0.21334064	7.14524E-07	0.000421635	0.000872367	0.001389165	0.002876298
2036 Jun	0.004870277	0.067562275	3.28822E-05	4.30287981	32.38034058	0.1483237	0.003105223	165.6462555	0.016515674	0.006693814	0.00012168	0.002809979	0.001031987	0.412562191	2.15672E-06	0.000889381	0.001686592	0.003706239	0.006019233
2036 Jul	0.005487074	0.056560759	3.5526E-05	4.672749043	36.4620285	0.158191666	0.003545286	187.9275818	0.018521126	0.005778084	6.88303E-05	0.00308765	0.001160514	0.454625994	2.07863E-06	0.001000632	0.0016193	0.003482588	0.006845689
2036 Aug	0.006322531	0.043673217	3.9777E-05	5.348359108	42.97376251	0.184742615	0.004193777	222.2971039	0.021751981	0.004674165	4.85276E-05	0.003628234	0.001367647	0.5282318	1.9922E-06	0.001176383	0.001857498	0.003756916	0.008121308
2036 Sep	0.005770808	0.040095165	3.60447E-05	4.892434597	39.11369324	0.167491719	0.003886372	202.0059509	0.019754516	0.004800251	2.70936E-05	0.003284563	0.001240141	0.483338207	1.79522E-06	0.001075949	0.001709342	0.003383927	0.007372953
2036 Oct	0.003951414	0.066190921	2.63126E-05	3.473223686	24.60726166	0.106072396	0.002624132	124.821701	0.012458771	0.008044546	2.47253E-05	0.002007323	0.000771759	0.326922119	1.96826E-06	0.000693591	0.001130111	0.002542824	0.004486466
2036 Nov	0.004467946	0.056396052	2.89402E-05	3.865335703	28.8593483	0.124007203	0.002985023	147.5635223	0.014592909	0.006836093	2.49061E-05	0.002384796	0.000909187	0.371446669	1.86648E-06	0.000804935	0.001298367	0.002763723	0.00534079
2036 Dec	0.004532808	0.054836612	2.92557E-05	3.913468122	29.41178703	0.126331985	0.00303066	150.5340118	0.014869927	0.006643981	2.48743E-05	0.002434252	0.000927097	0.377069652	1.84728E-06	0.000819287	0.001319862	0.002789471	0.005452854
2037 Jan	0.004522895	0.055316091	2.91959E-05	3.907540798	29.3333168	0.126208425	0.003022675	150.0871582	0.014828576	0.006662733	2.60134E-05	0.002426963	0.000924436	0.376418501	1.84784E-06	0.000817017	0.001318709	0.0027848	0.005435803
2037 Feb	0.004518914	0.055862125	2.91664E-05	3.906932116	29.30042267	0.126350686	0.003018389	149.8708649	0.014809472	0.006675541	2.7566E-05	0.00242351	0.000923192	0.376341969	1.84826E-06	0.000815892	0.001320125	0.002782982	0.005427212
2037 Mar	0.004520204	0.05620278	2.91727E-05	3.909594297	29.30493355	0.126525089	0.003018364	149.867691	0.0148104	0.006687643	2.8434E-05	0.002423484	0.00092322	0.376588613	1.8499E-06	0.000815904	0.001321909	0.002784123	0.005426684
2037 Apr	0.004529034	0.056497607	2.92285E-05	3.918112755	29.35997963	0.126851082	0.003023755	150.1342773	0.014837449	0.006706516	2.89797E-05	0.002427809	0.00092489	0.377403557	1.85415E-06	0.000817371	0.001325293	0.002789759	0.005436101
2037 May	0.003892285	0.106985129	2.53167E-05	3.657785177	24.66646194	0.134659275	0.002407498	117.1122971	0.012288124	0.007646043	0.000321785	0.002006988	0.000774192	0.348986387	1.87889E-06	0.000665683	0.001443023	0.002673319	0.004336919
2037 Jun	0.005040466	0.100709714	3.22691E-05	4.595029354	33.44161987	0.172899723	0.003163094	148.7593384	0.016755944	0.006745405	0.000336283	0.002801518	0.001058363	0.447000086	2.0039E-06	0.000899349	0.001855292	0.003443259	0.006060371
2037 Jul	0.006371602	0.046589311	3.98863E-05	5.39000845	43.4655838	0.189418867	0.004204016	196.618042	0.021979555	0.004558264	7.7255E-05	0.003682131	0.001382457	0.534125805	1.94892E-06	0.001187262	0.001928992	0.003826541	0.008210016
2037 Aug	0.006294275	0.032067291	3.91203E-05	5.32260561	43.33396149	0.1857104	0.004240542	196.3590393	0.02190299	0.003689012	3.10568E-05	0.003658914	0.001379417	0.529282212	1.79255E-06	0.001185214	0.00186481	0.00365862	0.00821433
2037 Sep	0.005730646	0.043369073	3.60601E-05	4.881736755	38.6395874	0.165616527	0.003857149	174.4160614	0.019526297	0.005201049	2.7246E-05	0.003238698	0.001225272	0.480125308	1.87539E-06	0.001064107	0.001689451	0.003393843	0.007267959
2037 Oct	0.004552768	0.052706461	2.92802E-05	3.922753096	29.67441368	0.127411485	0.003046302	133.1219788	0.015000405	0.006382675	2.45915E-05	0.002459765	0.000935878	0.37896058	1.80928E-06	0.000825552	0.001328309	0.002787432	0.005511299
2037 Nov	0.004569415	0.05236154	2.93635E-05	3.935286283	29.81309891	0.127995908	0.003057962	133.7692413	0.015069984	0.00634015	2.45925E-05	0.002472113	0.000940365	0.380398154	1.80541E-06	0.000829174	0.001333767	0.002794368	0.005539258
2037 Dec	0.004563555	0.052463878	2.93333E-05	3.930808067	29.76534653	0.12779437	0.003053875	133.5470886	0.015046011	0.006352784	2.4589E-05	0.002467885	0.000938823	0.37989381	1.8064E-06	0.00082792	0.001331867	0.002791809	0.005529693
2038 Jan	0.004559208	0.052673627	2.93073E-05	3.928199768	29.73075104	0.127737135	0.003050383	133.3760529	0.015027807	0.006361389	2.50763E-05	0.002464673	0.000937651	0.37960574	1.80671E-06	0.000826923	0.001331335	0.002789781	0.005522184
2038 Feb	0.00455738	0.05290876	2.9294E-05	3.927844524	29.71574974	0.127794549	0.003048462	133.2917938	0.015019163	0.006366962	2.5743E-05	0.002463114	0.000937089	0.379562974	1.80688E-06	0.000826417	0.001331908	0.00278894	0.005518324
2038 Mar	0.004556893	0.053042822	2.929E-05	3.928088665	29.71088791	0.127840102	0.003047755	133.2607269	0.015016126	0.006370709	2.61092E-05	0.00246254	0.000936887	0.379581988	1.80717E-06	0.000826233	0.001332368	0.002788793	0.005516835
2038 Apr	0.004563423	0.053198311	2.93315E-05	3.934095621	29.75250626	0.128056988	0.003051905	133.4421539	0.015036832	0.006382358	2.63565E-05	0.002465891	0.000938171	0.380159825	1.81004E-06	0.000827363	0.00133462	0.002792876	0.00552423
2038 May	0.004427137	0.070915744	2.84711E-05	3.914527655	28.73276901	0.133497968	0.002894877	125.5655441	0.014457948	0.006704959	0.000129384	0.002371787	0.000905254	0.377573758	1.83262E-06	0.000791091	0.001402761	0.0027987	0.005259119
2038 Jun	0.00443597	0.0998495	2.91933E-05	4.092951298	28.97709846	0.15146327	0.002747454	113.5728989	0.014564	0.00716836	0.000308335	0.002438179	0.000917222	0.393042564	2.01042E-06	0.000781907	0.001666389	0.003237861	0.005213696
2038 Jul	0.006660997	0.064014994	4.28492E-05	5.700366497	44.83543396	0.19715409	0.00433699	177.0991516	0.022746012	0.006408382	9.89383E-05	0.003818141	0.001426954	0.557644367	2.38337E-06	0.001228069	0.00206465	0.004304285	0.008425362
2038 Aug	0.006190064	0.031466726	3.85082E-05	5.240895271	42.61617279	0.182647288	0.004175196	168.8806763	0.021541269	0.003657176	2.92683E-05	0.003597456	0.001356687	0.520887136	1.77131E-06	0.001165786	0.0018346	0.003603538	0.00807654

Appendix D.2-34: F ZONE03

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2038 Sep	0.00540405	0.045688331	3.40645E-05	4.604734898	36.16963959	0.154998735	0.003632369	142.706543	0.018271308	0.005504604	2.64172E-05	0.003024763	0.001144718	0.451671749	1.83007E-06	0.00099864	0.001593507	0.00321247	0.006786125

Appendix D.2-34: F ZONE03

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2038 Oct	0.004263287	0.056927048	2.77516E-05	3.698730946	27.36262131	0.117639996	0.002845276	107.2567215	0.013839124	0.0069045	2.42803E-05	0.002256132	0.000861371	0.354130119	1.8416E-06	0.000764574	0.001235429	0.002655951	0.005050932
2038 Nov	0.004422938	0.05517152	2.86198E-05	3.824195385	28.60548782	0.122902825	0.00295559	112.2644424	0.0144639	0.006686811	2.45466E-05	0.002364869	0.000901329	0.367768645	1.8349E-06	0.000797563	0.001286019	0.002731915	0.005296522
2038 Dec	0.004394725	0.055524591	2.84683E-05	3.802167177	28.38344574	0.121963345	0.002936054	111.3685608	0.014352317	0.006730529	2.45066E-05	0.002345385	0.000894183	0.3653543	1.83691E-06	0.000791685	0.001277031	0.00271875	0.0052525
2039 Jan	0.004383787	0.056064114	2.84023E-05	3.795673847	28.29667282	0.121830612	0.002927216	110.9951324	0.014306557	0.006751664	2.57882E-05	0.002337314	0.000891237	0.364639491	1.83759E-06	0.000789173	0.001275797	0.002713612	0.005233608
2039 Feb	0.004379192	0.056674402	2.83682E-05	3.794883966	28.25914955	0.121989205	0.002922317	110.8119354	0.014284792	0.006765417	2.75383E-05	0.002333392	0.000889821	0.364545107	1.83793E-06	0.00078789	0.00127737	0.002711472	0.005223857
2039 Mar	0.004380661	0.057057913	2.83753E-05	3.797893524	28.26433754	0.122186072	0.002922299	110.8126526	0.014285891	0.006779034	2.85157E-05	0.002333372	0.000889857	0.364824086	1.83978E-06	0.000787906	0.001279383	0.002712764	0.005223284
2039 Apr	0.004394373	0.057444509	2.84628E-05	3.810772657	28.35036278	0.122657537	0.002930877	111.1387253	0.014328503	0.006806728	2.91575E-05	0.002340218	0.000892493	0.366055459	1.84624E-06	0.000790231	0.001284292	0.002721474	0.005238308
2039 May	0.004582671	0.058958255	2.95334E-05	3.975198984	29.74209023	0.129877597	0.003051212	115.1776962	0.015020432	0.006742153	4.3523E-05	0.002459452	0.000936972	0.38321209	1.86824E-06	0.000826466	0.001357252	0.002829134	0.005499959
2039 Jun	0.004238012	0.053190213	2.8673E-05	3.714760303	28.17366409	0.125752211	0.002722215	97.77315521	0.014395203	0.005768124	7.16999E-05	0.002448303	0.00089819	0.355924755	1.87257E-06	0.00077691	0.001432092	0.003209339	0.005259692
2039 Jul	0.004713319	0.063578501	3.1346E-05	4.050884247	30.57539368	0.133554831	0.002983486	105.4158249	0.015579479	0.006413584	7.57387E-05	0.002583974	0.000973367	0.387936294	2.08646E-06	0.000841573	0.001373048	0.003128283	0.005696491
2039 Aug	0.004606416	0.053175163	3.06954E-05	4.050329208	30.08425522	0.130332902	0.003045793	103.7447891	0.015303827	0.006027099	3.64346E-05	0.002501995	0.000959444	0.386340022	2.03491E-06	0.000830378	0.001298711	0.002946132	0.005589476
2039 Sep	0.005358538	0.043985717	3.38145E-05	4.570468426	35.93922806	0.1540685	0.003602639	124.169281	0.01816106	0.005283603	2.6193E-05	0.003007429	0.001138515	0.448363036	1.80859E-06	0.000991344	0.001577911	0.003188144	0.00674728
2039 Oct	0.005013424	0.047631476	3.17849E-05	4.284756184	33.26108932	0.142599061	0.003364609	114.7555161	0.016803401	0.00575335	2.53587E-05	0.002773572	0.001051192	0.418314695	1.7898E-06	0.000920748	0.001474282	0.003006588	0.006220058
2039 Nov	0.004948812	0.048772749	3.14525E-05	4.235424042	32.73391342	0.140374124	0.003319547	112.8958206	0.016538743	0.00589423	2.53222E-05	0.002726878	0.001034167	0.412753254	1.8009E-06	0.000906914	0.001453329	0.002978447	0.006114411
2039 Dec	0.004932711	0.049027916	3.13684E-05	4.223032951	32.6041832	0.139826119	0.003308345	112.4387283	0.016473591	0.005925755	2.53083E-05	0.002715424	0.001029983	0.411370188	1.80309E-06	0.0009035	0.00144814	0.002971258	0.006088508
2040 Jan	0.004923086	0.049441293	3.13112E-05	4.217014313	32.52815247	0.139677152	0.003300753	112.1576004	0.016433792	0.005943279	2.62501E-05	0.002708421	0.001027424	0.410710096	1.80363E-06	0.000901327	0.001446737	0.002966719	0.006072202
2040 Feb	0.00491908	0.049907371	3.12828E-05	4.215985298	32.4954071	0.139775455	0.003296694	112.0232086	0.016415168	0.005954865	2.75557E-05	0.002705073	0.001026214	0.410589755	1.80399E-06	0.000900245	0.001447722	0.002964872	0.006063973
2040 Mar	0.004922214	0.050213132	3.13012E-05	4.219971657	32.5127182	0.139979213	0.003298051	112.0712585	0.016422788	0.005967545	2.82912E-05	0.002706178	0.001026665	0.410967171	1.80613E-06	0.000900631	0.001449815	0.002967069	0.006066059
2040 Apr	0.004939784	0.050545089	3.1412E-05	4.235759258	32.62687683	0.140542805	0.00330941	112.4582977	0.016479826	0.005993799	2.87924E-05	0.002715493	0.001030217	0.412498623	1.81313E-06	0.000903741	0.001455642	0.002977832	0.00608672
2040 May	0.004753519	0.070558958	3.02993E-05	4.185104847	31.18673134	0.144896686	0.003112813	104.9684525	0.015685562	0.006469268	0.000139264	0.002583508	0.000983692	0.406216025	1.85103E-06	0.000855893	0.001515123	0.002968826	0.005732007
2040 Jun	0.003848172	0.110872671	2.52229E-05	3.667244673	24.86167336	0.141805351	0.002314182	73.73567963	0.012399863	0.006982991	0.000389845	0.002066109	0.00078473	0.351326197	1.83485E-06	0.000662055	0.001555483	0.002854378	0.004371354
2040 Jul	0.004274458	0.094781116	2.77592E-05	3.93983674	28.12415504	0.148313165	0.002648176	83.96400452	0.014101947	0.006387835	0.000313849	0.002360485	0.000890214	0.380680919	1.83353E-06	0.000755659	0.00161237	0.003041586	0.005063972
2040 Aug	0.004523843	0.088720344	2.91786E-05	4.114134789	29.96808624	0.153348133	0.002836707	89.69114685	0.015045875	0.006135179	0.000285695	0.002518251	0.000949375	0.39922744	1.84012E-06	0.00080742	0.001650341	0.00312879	0.005441608
2040 Sep	0.004673149	0.082783647	3.00172E-05	4.211480141	31.09321213	0.155426621	0.002961247	93.22436523	0.015626092	0.005914856	0.000257127	0.002613407	0.000985572	0.409715682	1.83378E-06	0.000839841	0.001659744	0.00316397	0.005678678
2040 Oct	0.004680584	0.081387378	3.00587E-05	4.208889484	31.1231823	0.154558182	0.002973902	93.34440613	0.015645212	0.005931749	0.00024663	0.002614548	0.000986331	0.409412652	1.83423E-06	0.000841735	0.00164869	0.003153696	0.005689348
2040 Nov	0.004681949	0.08133667	3.00692E-05	4.20952034	31.12766647	0.154498652	0.00297538	93.35955811	0.015647847	0.005940579	0.000245802	0.002614729	0.000986447	0.409447342	1.83559E-06	0.000841968	0.001647971	0.003153659	0.005690376
2040 Dec	0.004681557	0.081345454	3.00675E-05	4.209216595	31.12409782	0.154481024	0.002975121	93.34862518	0.01564607	0.00594216	0.000245775	0.002614402	0.00098633	0.409410655	1.83577E-06	0.000841879	0.001647803	0.003153485	0.005689656
2041 Jan	0.004681281	0.081360646	3.00659E-05	4.209053993	31.12174225	0.154476345	0.002974904	93.34098816	0.01564483	0.005943005	0.000245794	0.002614177	0.000986249	0.40939182	1.83582E-06	0.000841813	0.001647756	0.00315334	0.00568914
2041 Feb	0.004681218	0.081379533	3.00653E-05	4.20909214	31.12106514	0.154482499	0.002974812	93.33827972	0.015644405	0.005943593	0.00024584	0.002614094	0.00098622	0.409394711	1.83587E-06	0.000841788	0.001647816	0.003153314	0.005688932
2041 Mar	0.004681949	0.081403099	3.00699E-05	4.209799767	31.12577629	0.154511049	0.002975247	93.35204315	0.015646726	0.005944883	0.000245905	0.002614476	0.000986365	0.409463108	1.8362E-06	0.000841912	0.001648118	0.003153814	0.005689746
2041 Apr	0.004684559	0.081454679	3.00867E-05	4.212175369	31.14304733	0.154599726	0.002976889	93.40363312	0.015655383	0.005948404	0.000246058	0.002615918	0.000986911	0.409693956	1.83724E-06	0.000842376	0.001649062	0.003155577	0.005692876
2041 May	0.004699195	0.081866071	3.01735E-05	4.226128101	31.24160957	0.155198172	0.002985752	93.59407043	0.015703622	0.005964936	0.000247986	0.002623914	0.000990009	0.411083609	1.84189E-06	0.000844932	0.001655223	0.003164545	0.005710181
2041 Jun	0.004331116	0.075262159	2.84474E-05	3.894539833	28.65353584	0.140084416	0.002741097	83.69249725	0.014473323	0.006008862	0.000203009	0.002431586	0.000909531	0.375780761	1.83592E-06	0.000778782	0.001531946	0.003086704	0.005248161
2041 Jul	0.004396412	0.066397108	2.88733E-05	3.904923916	29.25538445	0.13866134	0.002805694	83.05778503	0.014813296	0.005667255	0.000161718	0.002495407	0.000929785	0.377612799	1.80856E-06	0.000797754	0.001517272	0.00311522	0.005401453
2041 Aug	0.004498326	0.06607534	2.9477E-05	3.986417294	29.97117043	0.141421437	0.002876712	84.82618713	0.015174972	0.005669511	0.00015924	0.002555263	0.000952596	0.385917306	1.82741E-06	0.000817399	0.001542015	0.003162319	0.005540197
2041 Sep	0.00457686	0.064925514	2.9906E-05	4.045946598	30.5442028	0.143379286	0.002935805	86.14394379	0.015463125	0.005615267	0.000154315	0.002602473	0.000970812	0.392218143	1.82984E-06	0.000833247	0.001557509	0.003187059	0.005653741
2041 Oct	0.004599883	0.064185016	3.00116E-05	4.060274124	30.70356178	0.143633515	0.002956114	86.38697815	0.015542313	0.005601484	0.000149914	0.002614222	0.000975708	0.393808424	1.82695E-06	0.00083798	0.001557306	0.003184389	0.005686445
2041 Nov	0.00460212	0.06422814	3.00268E-05	4.062143326	30.71460342	0.143659011	0.002957808	86.40603638	0.01554789	0.005610935	0.000149692	0.002614943	0.000976034	0.393969864	1.82859E-06	0.000838335	0.001557502	0.003185282	0.00568837
2041 Dec	0.004602291	0.064239062	3.00283E-05	4.062321663	30.71523857	0.14366208	0.002957912	86.40773773	0.015548219	0.00561224	0.000149697	0.002614983	0.000976052	0.393983424	1.82882E-06	0.000838356	0.001557545	0.003185445	0.005688451
2042 Jan	0.004602258	0.064249359	3.00282E-05	4.062338829	30.71474075	0.143663526	0.002957868	86.40608978	0.015547938	0.005612831	0.000149715	0.002614926	0.000976033	0.393983513	1.8289E-06	0.000838341	0.001557562	0.003185443	0.005688314
2042 Feb	0.004602211	0.06425938	3.00278E-05	4.062347412	30.71429062	0.143666461	0.00295781	86.4045105	0.015547665	0.005613127	0.00014974	0.002614873	0.000976015	0.39398396	1.82892E-06	0.000838325	0.00155759	0.003185417	0.005688185
2042 Mar	0.004602697	0.064271994	3.00309E-05	4.062803745	30.71746063	0.143684044	0.002958108	86.41325378	0.015549243	0.005613912	0.000149771	0.002615136	0.000976113	0.394028068	1.82913E-06	0.00083841	0.001557778	0.003185758	0.005688747
2042 Apr	0.004608293	0.064353459	3.00674E-05	4.067759514	30.75476456	0.143860102	0.002961696	86.51811218	0.015568114	0.005620848	0.000149961	0.002618307	0.000977298	0.394508541	1.83137E-06	0.000839427	0.001559686	0.003189633	0.005695642
2042 May	0.004625094	0.065127224	3.01736E-05	4.085159302	30.860672	0.144616157	0.002971028	86.72422791	0.015619478	0.005658372	0.000153228	0.002626699	0.000980606	0.396179289	1.83985E-06	0.000842126	0.001567788	0.003201949	0.005712994
2042 Jun	0.004494827	0.063980609	2.95117E-05	3.973864079	29.94703674	0.140052497	0.002881778	82.46567535	0.015175472	0.005670325	0.000145456	0.002556204	0.000951987	0.384469301	1.83136E-06	0.00081804	0.001530494	0.003166438	0.005544264
2042 Jul	0.004488798	0.06167496	2.94911E-05	3.955942154	29.92887878	0.138842091	0.002881559	80.70278168	0.015177029	0.005582632	0.000134124	0.002557702	0.000951734	0.38280344	1.8222E-06	0.000818244	0.001516816	0.003159103	0.005551135
2042 Aug	0.004534334	0.059317075	2.96998E-05	3.984363794	30.27036858	0.139311478	0.002923383	80.38342285	0.015348795	0.00545313	0.000123939	0.002582019	0.000962765	0.386014521	1.81087E-06	0.000827916	0.001508931	0.003141926	0.005623424
2042 Sep	0.004549152	0.058248866	2.97643E-05	3.993569374	30.37474251	0.139250383	0.002940418	80.0630722	0.015400873	0.005417109	0.000118323	0.002587841	0.000966094	0.387004852	1.80733E-06	0.000831112	0.001502418	0.003129484	0.005645808
2042 Oct	0.004558447	0.057804354	2.97919E-05	3.998070478	30.43521118	0.1392373	0.002950113	79.9158783	0.015429674	0.005411819	0.000115498	0.002591363	0.000967838	0.387565613	1.80355E-06	0.000833042	0.001500305	0.003122526	0.005658481
2042 Nov	0.004560761	0.057844888	2.98074E-05	4.000104427	30.44941711	0.139297694	0.002951657	79.94789886	0.015436864	0.005416912	0.000115504	0.002592511	0.000968282	0.38775599	1.80475E-06	0.000833445	0.001500947	0.003123995	0.00566106
2042 Dec	0.00456088	0.057850737	2.98083E-05	4.000222206	30.44995308	0.139300212	0.002951731	79.94927979	0.015437139	0.005417604	0.000115506	0.00259255	0.000968298	0.387765527	1.80488E-06	0.000833462	0.001500979	0.003124099	0.005661142
2043 Jan	0.004560824	0.057855476	2.9808E-05	4.000196934	30.4494381	0.139299765	0.002951683	79.9478302	0.015436864	0.005417855	0.000115515	0.002592498	0.00096828	0.387762278	1.8049E-06	0.000833447	0.001500975	0.003124071	0.005661023
2043 Feb	0.004560807	0.057860643	2.98079E-05	4.000207424	30.4492588	0.139301464	0.002951658	79.94721985	0.01543675	0.005418013	0.000115528	0.002592476	0.000968273	0.387763083	1.80491E-06	0.00083344	0.001500991	0.003124063	0.005660967
2043 Mar	0.004560974	0.057865698	2.98089E-05	4.000367641	30.45033455	0.139307782	0.002951758	79.94997406	0.015437283	0.005418309	0.00011554	0.002592564	0.000968306	0.387778521	1.80499E-06	0.000833469	0.001501058	0.00312418	0.005661155
2043 Apr	0.004565062	0.057919234	2.98356E-05	4.003960609	30.47760391	0.139433324	0.002954399	80.02153015	0.0154511	0.005423219	0.000115648	0.002594883	0.000969172	0.388126761	1.80661E-06	0.000834215	0.001502411	0.003126981	0.005666217
2043 May	0.004575157	0.058727741	2.99E-05	4.016032219	30.53634834	0.140018657	0.002959039	80.08207703	0.015478365	0.005459304	0.000119212	0.002599203	0.000970973	0.389262319	1.81351E-06	0.000835602	0.001508793	0.003135487	0.00567434
2043 Jun	0.004462337	0.064506844	2.91925E-05	3.951319456	29.68726349	0.139367461	0.002864687	76.14360809	0.015026608	0.005613329	0.000150042	0.002522176	0.000943391	0.382425964	1.80899E-06	0.000810256	0.001506311	0.003090411	0.005487808
2043 Jul	0.004512398	0.064166397	2.95024E-05	3.989588499	30.03889275	0.140581816	0.002898952	76.36891174	0.015206856	0.005615698	0.000147516	0.002552719	0.000954652	0.386301398	1.81991E-06	0.000820026	0.00151801	0.003117571	0.005557347
2043 Aug	0.004569717	0.06378442	2.98413E-05	4.035310268	30.44431877	0.142075986	0.002940104	76.86768341	0.01541193	0.005608252	0.000145241	0.002586361	0.000967601	0.390962213	1.82965E-06	0.000831196	0.00153068	0.003142126	0.005636372
2043 Sep	0.004600632	0.063023828	3.00064E-05	4.057944298	30.67319107	0.142738715	0.002964887	76.91725922	0.015527325	0.005572595	0.000141927	0.002604837	0.000974908	0.393381923	1.82877E-06	0.000837593	0.00153457	0.003148204	0.005682546
2043 Oct	0.004588515	0.062843882	2.9927E-05	4.046000957	30.56880569	0.142047197	0.002959144	76.38272095	0.015474238	0.005597135	0.000139272	0.002594508	0.000971409	0.392122388	1.82742E-06	0.00083512	0.001526534	0.003134449	0.005662746
2043 Nov	0.004565585	0.062846281	2.97915E-05	4.026182652	30.38492775	0.141092941	0.002945175	75.7844162	0.015381349	0.005630362	0.000137379	0.00257762	0.000965403	0.390009016	1.8265E-06	0.000830437	0.001516355	0.003117751	0.005627094
2043 Dec	0.004565493	0.062852845	2.97912E-05	4.026126385	30.38385773	0.141088068	0.00294511	75.78172302	0.015380814	0.005631251	0.000137375	0.002577516	0.000965367	0.390000224	1.82662E-06	0.000830411	0.001516312	0.00311773	0.005626863
2044 Jan	0.004565438	0.062859476	2.97909E-05	4.026109695	30.38330078	0.141088068	0.002945059	75.7802124	0.015380512	0.005631614	0.000137387	0.002577459	0.000965347	0.389997542	1.82666E-06	0.000830395	0.001516313	0.003117707	0.005626729
2044 Feb	0.004565693	0.062870398	2.97925E-05	4.026369095	30.38489914	0.141098991	0.002945204	75.78404236	0.015381291	0.005632172	0.000137413	0.002577584	0.000965395	0.390022367	1.82678E-06	0.000830436	0.001516428	0.003117886	0.005626993
2044 Mar	0.004566304	0.062882833	2.97965E-05	4.026926994	30.38891602	0.141119555	0.002945588	75.79397583	0.015383306	0.005633059	0.000137442	0.00257792	0.000965522	0.390076309	1.82704E-06	0.000830545	0.001516648	0.003118306	0.005627721
2044 Apr	0.004567876	0.062906697	2.98067E-05	4.028323174	30.39934349	0.141169026	0.002946595	75.81993103	0.015388575	0.005635071	0.000137495	0.002578802	0.000965852	0.390211433	1.82768E-06	0.000830829	0.001517179	0.003119381	0.005629641
2044 May	0.004579118	0.063104436	2.98794E-05	4.038444519	30.47389412	0.141538262	0.002953729	75.99110413	0.015426093	0.00564983	0.000138074	0.002585072	0.000968215	0.391193181	1.83221E-06	0.000832848	0.001521133	0.003127054	0.005643265
2044 Jun	0.004157428	0.058885552	2.6835E-05	3.681540728	27.26720238	0.126807734	0.002636829	66.49079132	0.013811379	0.005535655	0.00013096	0.002311116	0.000867168	0.351623178	1.83446E-06	0.000744174	0.0013741	0.002895577	0.005029901
2044 Jul	0.003469395	0.049184807	2.14529E-05	3.089735746	21.86969948	0.101022959	0.002108663	53.06983185	0.011084929	0.005288003	0.000112104	0.001841012	0.000697274	0.28433454	1.87695E-06	0.000594309	0.001104331	0.002469292	0.003997464
2044 Aug	0.002876772	0.041118242	1.68732E-05	2.60150528	17.30924606	0.079388246	0.001662402	42.26264572	0.008756137	0.0050705	9.42659E-05	0.001441192	0.000553324	0.228336662	1.91983E-06	0.000467157	0.000874468	0.002107175	0.003120315
2044 Sep	0.002511078	0.035596497	1.41022E-05	2.31610322	14.58856392	0.066272184	0.00139739	35.57763672	0.007345276	0.004911854	8.06685E-05	0.001201445	0.000466991	0.195193186	1.92895E-06	0.000391055	0.000732033	0.001879996	0.002596818
2044 Oct	0.002373998	0.033634361	1.30438E-05	2.209732771	13.54137421	0.061214238	0.001295643	33.03724289	0.00680192	0.004888212	7.7017E-05	0.001109041	0.000433668	0.182484105	1.93264E-06	0.000361769	0.000677766	0.001793253	0.002394784
2044 Nov	0.002375652	0.03367307	1.30578E-05	2.211080313	13.55263805	0.061260063	0.001297017	33.04892349	0.006807682	0.004892124	7.69662E-05	0.001109947	0.000434011	0.182634354	1.93281E-06	0.000362109	0.000678235	0.001794083	0.00239689
2044 Dec	0.002375704	0.033675235	1.30581E-05	2.211132526	13.55286789	0.061261125	0.001297046	33.04948044	0.006807799	0.0048924	7.69677E-05	0.001109964	0.000434018	0.182638332	1.93287E-06	0.000362115	0.000678248	0.001794128	0.002396925
2045 Jan	0.002375695	0.0336769	1.30581E-05	2.211130857	13.5527792	0.06126136	0.001297038	33.0492363	0.006807749	0.004892475	7.69706E-05	0.001109954	0.000434014	0.182638213	1.93288E-06	0.000362113	0.000678251	0.001794124	0.002396902
2045 Feb	0.002375694	0.033678681	1.30581E-05	2.211138248	13.55276203	0.061262138	0.001297034	33.04916	0.006807732	0.004892525	7.69751E-05	0.00110995	0.000434013	0.182638973	1.93288E-06	0.000362112	0.000678259	0.001794124	0.002396892
2045 Mar	0.002375849	0.033681855	1.3059E-05	2.211287022	13.55363941	0.061266568	0.001297117	33.05127716	0.00680817	0.004892872	7.69826E-05	0.001110021	0.000434041	0.182651371	1.933E-06	0.000362135	0.000678307	0.001794241	0.002397043
2045 Apr	0.002376408	0.033690341	1.3062E-05	2.211809874	13.55682373	0.06128123	0.001297421	33.05903625	0.006809767	0.00489404	7.70022E-05	0.001110281	0.000434143	0.182694614	1.93346E-06	0.00036222	0.000678469	0.001794664	0.002397604
2045 May	0.002380034	0.033741992	1.3082E-05	2.215185404	13.57750607	0.061374836	0.0012994	33.10945892	0.006820155	0.004901515	7.71204E-05	0.001111974	0.000434805	0.182973474	1.93641E-06	0.000362772	0.000679506	0.001797402	0.002401261
2045 Jun	0.002340413	0.03351938	1.28635E-05	2.177872181	13.28445244	0.059992541	0.001270626	32.00528336	0.006680698	0.004902473	7.58786E-05	0.00108909	0.000425668	0.17918168	1.93243E-06	0.000355035	0.000668237	0.001783764	0.002347065
2045 Jul	0.002211855	0.031957213	1.18686E-05	2.061375856	12.25138664	0.05511228	0.001169409	29.3458786	0.006167721	0.004869882	7.32887E-05	0.001000157	0.000393291	0.166176483	1.94133E-06	0.000326556	0.000618807	0.001706812	0.002150213

Appendix D.2-34: F ZONE03

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2045 Aug	0.00205279	0.029751953	1.06225E-05	1.929506898	11.02326488	0.049304243	0.001049036	26.49259567	0.005540832	0.004801995	6.84001E-05	0.000892145	0.000354569	0.151088074	1.95543E-06	0.000292257	0.000556636	0.001608385	0.001913794

Appendix D.2-34: F ZONE03

Constituents	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2045 Sep	0.001926042	0.027827844	9.65673E-06	1.834073424	10.08974457	0.044828091	0.000957556	24.2910099	0.005052167	0.004745841	6.37957E-05	0.000809514	0.000324883	0.139828339	1.96007E-06	0.000265992	0.000507579	0.001530207	0.00173337
2045 Oct	0.001869749	0.027016841	9.21345E-06	1.792178273	9.658013344	0.042759012	0.000915106	23.31490707	0.004826266	0.004739977	6.2722E-05	0.000771295	0.00031113	0.134641349	1.96314E-06	0.000253815	0.000485285	0.001495001	0.001649612
2045 Nov	0.001870168	0.027023893	9.21558E-06	1.792582035	9.660135269	0.042768426	0.000915312	23.32002831	0.004827328	0.004741152	6.27359E-05	0.000771463	0.000311198	0.134671554	1.96359E-06	0.000253871	0.000485393	0.001495339	0.001649971
2045 Dec	0.001870254	0.027025685	9.21604E-06	1.792665958	9.660558701	0.042770308	0.000915355	23.32104874	0.00482754	0.004741432	6.27387E-05	0.000771496	0.000311212	0.134677783	1.96369E-06	0.000253882	0.000485415	0.001495411	0.001650041
2046 Jan	0.001870268	0.027026564	9.21611E-06	1.792681217	9.660616875	0.04277081	0.00091536	23.32118034	0.004827567	0.0047415	6.27403E-05	0.0007715	0.000311213	0.13467899	1.9637E-06	0.000253884	0.00048542	0.001495422	0.001650048
2046 Feb	0.001870287	0.027027523	9.21621E-06	1.792702317	9.660711288	0.042771559	0.000915369	23.32139587	0.004827612	0.004741566	6.27427E-05	0.000771507	0.000311216	0.134680703	1.96372E-06	0.000253886	0.000485428	0.001495437	0.001650062
2046 Mar	0.001870484	0.027030757	9.21718E-06	1.792893648	9.66173172	0.042776257	0.000915465	23.32385063	0.00482812	0.004742077	6.27503E-05	0.000771588	0.000311249	0.134695128	1.96393E-06	0.000253913	0.000485481	0.001495595	0.001650234
2046 Apr	0.001871335	0.027043259	9.22137E-06	1.793709755	9.66612339	0.042795803	0.000915881	23.33444977	0.004830314	0.004744239	6.27794E-05	0.000771938	0.00031139	0.134756476	1.96482E-06	0.000254028	0.000485703	0.001496275	0.001650984
2046 May	0.001874549	0.027112663	9.23866E-06	1.796827912	9.683901787	0.042887177	0.000917538	23.37098503	0.004839145	0.004751894	6.3002E-05	0.000773365	0.000311958	0.135010958	1.96765E-06	0.000254493	0.000486718	0.00149878	0.001654012
2046 Jun	0.001865424	0.027486581	9.25867E-06	1.78677249	9.635253906	0.042768486	0.000912619	22.91018867	0.004821314	0.004761693	6.35275E-05	0.000771286	0.00031046	0.134378806	1.95912E-06	0.000253466	0.000488112	0.001502048	0.00164588
2046 Jul	0.001821928	0.026957806	8.94702E-06	1.742747307	9.292869568	0.041134644	0.000879204	21.79247475	0.004656812	0.004737081	6.25264E-05	0.000742779	0.000299794	0.129865453	1.95417E-06	0.000244226	0.000472251	0.001475765	0.001582344
2046 Aug	0.001746993	0.025901286	8.34955E-06	1.68040514	8.708572388	0.038370032	0.000822003	20.47200584	0.004358605	0.004704726	6.01144E-05	0.000691123	0.00028139	0.122697793	1.96337E-06	0.000227884	0.000442389	0.001428755	0.001469631
2046 Sep	0.001684272	0.024872897	7.87669E-06	1.634458065	8.25819397	0.036184441	0.000778307	19.37973022	0.004120435	0.004669681	5.73813E-05	0.000650913	0.000267015	0.117292307	1.96297E-06	0.000215198	0.000417751	0.001388345	0.001382611
2046 Oct	0.001656721	0.024466485	7.66353E-06	1.614495158	8.050459862	0.035167027	0.00075844	18.87761497	0.004010479	0.004669014	5.6697E-05	0.000632291	0.000260337	0.114817865	1.96215E-06	0.000209369	0.000406514	0.001369594	0.001342313
2046 Nov	0.001657707	0.024484897	7.67148E-06	1.615300059	8.057478905	0.035197109	0.000759231	18.88439178	0.004014059	0.004670571	5.66846E-05	0.000632872	0.000260554	0.11490833	1.9622E-06	0.000209574	0.000406823	0.00137011	0.00134364
2046 Dec	0.001657768	0.024486402	7.6718E-06	1.615360498	8.057750702	0.035198312	0.00075926	18.88502884	0.004014195	0.004670809	5.66866E-05	0.000632893	0.000260562	0.114912592	1.96227E-06	0.000209581	0.000406837	0.001370162	0.001343684
2047 Jan	0.001657775	0.024487272	7.67185E-06	1.615369678	8.05777359	0.035198685	0.000759263	18.88507271	0.004014204	0.004670864	5.66882E-05	0.000632894	0.000260563	0.114913344	1.96228E-06	0.000209582	0.000406841	0.001370168	0.001343684
2047 Feb	0.001657792	0.024488296	7.67193E-06	1.615389943	8.057854652	0.035199415	0.000759269	18.885252	0.004014242	0.004670931	5.66907E-05	0.000632899	0.000260565	0.114914939	1.9623E-06	0.000209584	0.000406849	0.001370183	0.001343695
2047 Mar	0.001658039	0.024492368	7.67308E-06	1.615632653	8.059056282	0.035204861	0.000759382	18.88805771	0.004014839	0.004671639	5.67002E-05	0.000632993	0.000260604	0.114932299	1.9626E-06	0.000209615	0.000406912	0.001370387	0.001343894
2047 Apr	0.00165835	0.024497192	7.67452E-06	1.615936279	8.060564041	0.035211567	0.000759524	18.89158821	0.004015589	0.004672519	5.67114E-05	0.000633111	0.000260653	0.114953943	1.96296E-06	0.000209654	0.000406989	0.001370644	0.001344144
2047 May	0.001661322	0.024727821	7.69698E-06	1.619330645	8.080068588	0.035389047	0.00076116	18.90901566	0.004024906	0.004681611	5.76803E-05	0.000634639	0.000261251	0.115302823	1.9641E-06	0.000210141	0.000408934	0.001373114	0.001347104
2047 Jun	0.001666387	0.02583842	7.76233E-06	1.625369906	8.124949455	0.036099017	0.000764086	18.71939087	0.004047039	0.004699843	6.28658E-05	0.000638276	0.000262576	0.116295025	1.95752E-06	0.000211201	0.000416917	0.001377472	0.001352999
2047 Jul	0.001635363	0.02543924	7.48835E-06	1.595468879	7.845996857	0.034767695	0.000736762	18.09963036	0.003910407	0.004703869	6.24994E-05	0.000613907	0.0002539	0.112770379	1.96726E-06	0.000203481	0.000403461	0.001358157	0.001299374
2047 Aug	0.001589742	0.024750194	7.11859E-06	1.557398558	7.484714508	0.033032939	0.000701407	17.31974983	0.003726422	0.004686897	6.07379E-05	0.000581971	0.000242545	0.108325422	1.97579E-06	0.000193379	0.000384834	0.001330235	0.001229642
2047 Sep	0.00154657	0.024015777	6.79774E-06	1.526073575	7.177601337	0.031524725	0.000671618	16.6162014	0.003563778	0.004662471	5.86229E-05	0.00055465	0.000232741	0.104631759	1.97547E-06	0.000184738	0.000367893	0.001303037	0.001170418
2047 Oct	0.001526535	0.023706079	6.6466E-06	1.511530519	7.029339314	0.030791165	0.000657444	16.2783222	0.00348529	0.004660339	5.8049E-05	0.000541446	0.000227972	0.102852836	1.9739E-06	0.000180588	0.000359819	0.001289502	0.00114181
2047 Nov	0.001527187	0.023724828	6.65306E-06	1.512039185	7.034292698	0.030812414	0.000658054	16.28072166	0.003487843	0.004661706	5.80292E-05	0.000541855	0.000228122	0.102918223	1.97373E-06	0.00018074	0.000360037	0.001289805	0.001142756
2047 Dec	0.00152725	0.023726311	6.65337E-06	1.512102604	7.034565926	0.030813619	0.000658082	16.281353	0.003487979	0.004661953	5.80315E-05	0.000541875	0.00022813	0.102922514	1.97382E-06	0.000180747	0.000360052	0.00128986	0.001142798
2048 Jan	0.001527277	0.023727361	6.6535E-06	1.512130976	7.03467989	0.03081435	0.000658093	16.28161049	0.003488034	0.004662063	5.80337E-05	0.000541883	0.000228134	0.102924556	1.97385E-06	0.00018075	0.00036006	0.001289883	0.001142815
2048 Feb	0.001527323	0.023728719	6.6537E-06	1.512179017	7.034889698	0.030815583	0.000658112	16.28208542	0.003488135	0.004662218	5.8037E-05	0.000541899	0.00022814	0.102927983	1.97391E-06	0.000180755	0.000360074	0.001289921	0.001142846
2048 Mar	0.001527331	0.0237292	6.65374E-06	1.512188792	7.034927845	0.030815918	0.000658115	16.28216743	0.003488153	0.004662252	5.80382E-05	0.000541901	0.000228141	0.102928728	1.97392E-06	0.000180756	0.000360078	0.001289928	0.001142851
2048 Apr	0.001527867	0.023738395	6.65613E-06	1.512720346	7.037467003	0.030827617	0.000658352	16.28775787	0.003489408	0.004663838	5.80607E-05	0.000542097	0.000228223	0.102966011	1.97458E-06	0.000180821	0.000360212	0.001290373	0.001143265
2048 May	0.001530094	0.023773467	6.66586E-06	1.514925122	7.047750473	0.030872965	0.000659313	16.31143188	0.003494505	0.004670613	5.81467E-05	0.000542889	0.000228556	0.103116594	1.97744E-06	0.000181086	0.000360741	0.001292249	0.001144936
2048 Jun	0.001522869	0.023926072	6.67381E-06	1.506922245	7.011873722	0.03074342	0.000655936	16.0918293	0.003480793	0.004670226	5.80631E-05	0.000541207	0.000227442	0.102608696	1.96964E-06	0.000180334	0.000360909	0.001292707	0.00113926
2048 Jul	0.001501482	0.023821745	6.53796E-06	1.484849691	6.842188835	0.029963171	0.000639465	15.614048	0.00340093	0.004667616	5.78309E-05	0.000527424	0.000222167	0.100397997	1.96728E-06	0.000175827	0.000353917	0.001281919	0.001107751
2048 Aug	0.001470839	0.023369184	6.29124E-06	1.459144115	6.599839687	0.028800804	0.00061588	15.09141254	0.003277649	0.004655167	5.65959E-05	0.000505913	0.000214555	0.097422116	1.97289E-06	0.000169058	0.000341247	0.001262741	0.001060972
2048 Sep	0.001438936	0.022842707	6.05224E-06	1.436447382	6.372314453	0.027692597	0.000593741	14.60546589	0.003156662	0.00463866	5.51239E-05	0.000485598	0.000207285	0.094709329	1.97335E-06	0.000162634	0.000328761	0.001242779	0.001016903
2048 Oct	0.001424085	0.022610879	5.9395E-06	1.425840497	6.262949944	0.027153645	0.000583254	14.36800385	0.003098482	0.004636769	5.47479E-05	0.000475831	0.000203761	0.093401939	1.97196E-06	0.000159563	0.000322786	0.001232599	0.00099577
2048 Nov	0.001424397	0.022633791	5.94368E-06	1.426107168	6.264920235	0.027162448	0.000583582	14.36782837	0.003099525	0.004638854	5.47353E-05	0.000475977	0.000203816	0.093435407	1.97197E-06	0.000159633	0.000322888	0.001232784	0.000996111
2048 Dec	0.001424446	0.022635018	5.94392E-06	1.426157117	6.265121937	0.027163329	0.000583603	14.3682909	0.003099625	0.004639062	5.47371E-05	0.000475991	0.000203823	0.093438685	1.97205E-06	0.000159638	0.000322899	0.001232828	0.000996141
2049 Jan	0.001424456	0.022635741	5.94397E-06	1.426168561	6.2651577	0.027163692	0.000583607	14.36836624	0.003099641	0.004639118	5.47385E-05	0.000475993	0.000203824	0.093439542	1.97206E-06	0.000159639	0.000322903	0.001232836	0.000996145
2049 Feb	0.001424464	0.022636443	5.94401E-06	1.426179051	6.265193462	0.027164126	0.00058361	14.36843872	0.003099657	0.004639158	5.47403E-05	0.000475995	0.000203825	0.093440384	1.97207E-06	0.00015964	0.000322908	0.001232843	0.000996148
2049 Mar	0.001424555	0.022638191	5.94439E-06	1.426271081	6.265591145	0.027166001	0.000583646	14.36934662	0.003099852	0.004639459	5.47445E-05	0.000476025	0.000203838	0.093446493	1.97219E-06	0.00015965	0.00032293	0.001232922	0.00099621
2049 Apr	0.001425022	0.022645796	5.94634E-06	1.426739693	6.267647266	0.027175	0.000583837	14.37405682	0.003100869	0.004640985	5.47629E-05	0.000476181	0.000203904	0.093477249	1.97284E-06	0.000159702	0.000323036	0.001233326	0.000996537
2049 May	0.001427127	0.022687504	5.95581E-06	1.428853631	6.277457714	0.027222242	0.000584744	14.39415836	0.003105711	0.004647559	5.48843E-05	0.000476935	0.000204221	0.093624763	1.9755E-06	0.000159953	0.000323585	0.001235117	0.000998109
2049 Jun	0.001419006	0.022899644	5.95729E-06	1.420644641	6.235451221	0.027098721	0.000580714	14.20621681	0.003088225	0.004648345	5.51173E-05	0.000474572	0.000202896	0.093090691	1.96754E-06	0.000159003	0.000323699	0.001234805	0.000990937
2049 Jul	0.001403007	0.022785377	5.8443E-06	1.403838515	6.104193687	0.026492903	0.000567949	13.870327	0.003026138	0.004644455	5.50138E-05	0.000463671	0.000198819	0.091376513	1.96647E-06	0.00015548	0.000317989	0.001225504	0.00096645
2049 Aug	0.001382435	0.022478603	5.65968E-06	1.387137771	5.927529335	0.02564469	0.000550507	13.52594852	0.002935926	0.004645834	5.42667E-05	0.000447792	0.00019329	0.089245729	1.97643E-06	0.000150487	0.000308886	0.001213571	0.000931745
2049 Sep	0.001358121	0.022073701	5.47784E-06	1.370082021	5.755780697	0.024807282	0.000533834	13.16805363	0.002844118	0.004632653	5.31108E-05	0.000432401	0.000187789	0.0872062	1.97643E-06	0.000145632	0.000299373	0.001198148	0.000898444
2049 Oct	0.001346777	0.021901166	5.39247E-06	1.362117648	5.672722816	0.024397224	0.000525936	12.9910078	0.002799716	0.004631868	5.28294E-05	0.000424949	0.000185104	0.086220197	1.97509E-06	0.000143302	0.000294793	0.001190216	0.00088237
2049 Nov	0.001347114	0.02191297	5.3954E-06	1.362413049	5.674800396	0.024406318	0.000526197	12.99233723	0.002800783	0.004633076	5.28272E-05	0.000425113	0.000185167	0.086250462	1.97522E-06	0.000143365	0.000294893	0.001190431	0.00088274
2049 Dec	0.001347167	0.021914182	5.39564E-06	1.362467408	5.675014019	0.024407245	0.000526219	12.99282837	0.002800889	0.004633295	5.28292E-05	0.000425129	0.000185174	0.086253919	1.9753E-06	0.000143371	0.000294904	0.001190479	0.000882772
2050 Jan	0.001347183	0.021914875	5.39571E-06	1.362484336	5.675074577	0.024407668	0.000526225	12.99295998	0.002800917	0.004633366	5.28306E-05	0.000425133	0.000185176	0.086255088	1.97532E-06	0.000143372	0.000294909	0.001190493	0.00088278
2050 Feb	0.001347189	0.021915426	5.39574E-06	1.3624928	5.675102711	0.024408001	0.000526227	12.99301624	0.002800929	0.004633398	5.2832E-05	0.000425134	0.000185176	0.086255744	1.97533E-06	0.000143373	0.000294913	0.001190498	0.000882783
2050 Mar	0.001347205	0.021915924	5.39581E-06	1.362509727	5.675168514	0.024408406	0.000526232	12.99316406	0.002800961	0.004633457	5.28332E-05	0.000425139	0.000185179	0.086256884	1.97536E-06	0.000143374	0.000294918	0.001190512	0.000882792
2050 Apr	0.001347508	0.021920998	5.39702E-06	1.362817168	5.676446915	0.024413969	0.000526351	12.99608898	0.002801591	0.004634504	5.28455E-05	0.000425235	0.00018522	0.086276382	1.9758E-06	0.000143407	0.000294985	0.00119078	0.000882991
2050 May	0.00134895	0.021950459	5.40301E-06	1.364294887	5.682589054	0.024443137	0.000526914	13.00972271	0.00280461	0.004639581	5.29285E-05	0.000425693	0.00018542	0.086372361	1.97788E-06	0.000143561	0.000295334	0.001192065	0.000883932
2050 Jun	0.001342835	0.022232214	5.3986E-06	1.358715892	5.646212101	0.024386898	0.000523238	12.87737083	0.002788461	0.004645718	5.37607E-05	0.000423257	0.000184262	0.085990734	1.97332E-06	0.000142659	0.000295735	0.001191753	0.000876988
2050 Jul	0.001337114	0.022256045	5.37797E-06	1.35215342	5.607747555	0.024219494	0.000519592	12.73616982	0.002771518	0.004642042	5.37152E-05	0.000420434	0.000183065	0.085461549	1.96942E-06	0.000141704	0.00029441	0.001189045	0.000870274
2050 Aug	0.001342123	0.022342009	5.40485E-06	1.356875658	5.633456707	0.02433118	0.000522084	12.77260017	0.0027845	0.004655501	5.3864E-05	0.000422479	0.000183894	0.085821889	1.9746E-06	0.000142389	0.000295625	0.00119298	0.000874682
2050 Sep	0.001344272	0.022384381	5.42349E-06	1.358694911	5.649026394	0.024399022	0.000523852	12.77902031	0.00279251	0.004658782	5.38362E-05	0.000423771	0.00018438	0.086025804	1.97473E-06	0.000142844	0.000296286	0.001194178	0.000877628
2050 Oct	0.001345452	0.022410678	5.43041E-06	1.359816313	5.655055046	0.024425164	0.0005245	12.78721523	0.002795545	0.004662663	5.38605E-05	0.000424239	0.00018457	0.086113989	1.9759E-06	0.000143011	0.000296585	0.001195092	0.000878645
2050 Nov	0.001345846	0.022417551	5.43204E-06	1.360214472	5.656718254	0.024432356	0.000524656	12.79091358	0.002796368	0.004664051	5.3876E-05	0.000424363	0.000184624	0.086139418	1.97648E-06	0.000143053	0.000296673	0.001195442	0.000878904
2050 Dec	0.001345895	0.022418557	5.43225E-06	1.360263348	5.656914234	0.024433207	0.000524676	12.79135704	0.002796465	0.004664239	5.38778E-05	0.000424378	0.000184631	0.086142525	1.97655E-06	0.000143058	0.000296683	0.001195485	0.000878934

APPENDIX D.3: CONJOINED PIT LAKES

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Post Closure (2051-2119): Min	56	0.0372	0.0424	0.00181	17.8	0.0315	11.7	0.000955	0.000955	0.00000509	0.00381	0.000648	0.0248	0.00938	0.00000511	9.31	0.0000105	0.000117
Post Closure (2051-2119): Mean	127	0.0721	0.0733	0.00243	20.5	0.0349	34.6	0.00098	0.00098	0.00000571	0.00603	0.00159	0.0664	0.016	0.0000055	19.5	0.0000207	0.000216
Post Closure (2051-2119): Max	179	0.0786	0.093	0.00296	23.1	0.0383	52.9	0.00101	0.00101	0.00000615	0.00756	0.00229	0.099	0.0209	0.00000577	27.4	0.0000278	0.000281
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	**-**	**-**	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	**-**	**-**	***variable***	**-**
Note: Calculation of mean excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions																		
2051 Jan	56.3	0.0372	0.0424	0.0022	19.9	0.0368	11.7	0.000967	0.000967	0.00000512	0.00381	0.000648	0.0248	0.00938	0.00000516	9.31	0.0000105	0.000117
2051 Feb	56.3	0.0372	0.0424	0.0022	19.9	0.0368	11.7	0.000967	0.000967	0.00000512	0.00381	0.000648	0.0248	0.00938	0.00000516	9.31	0.0000105	0.000117
2051 Mar	56.3	0.0372	0.0424	0.0022	19.9	0.0368	11.7	0.000967	0.000967	0.00000512	0.00381	0.000648	0.0248	0.00938	0.00000516	9.31	0.0000105	0.000117
2051 Apr	56.3	0.0372	0.0424	0.0022	19.9	0.0368	11.7	0.000967	0.000967	0.00000513	0.00381	0.000648	0.0248	0.00939	0.00000516	9.32	0.0000105	0.000117
2051 May	56.7	0.0379	0.0434	0.00222	20	0.0369	11.8	0.000969	0.000969	0.00000514	0.00382	0.000652	0.0251	0.00941	0.00000517	9.36	0.0000106	0.000117
2051 Jun	58.2	0.0414	0.0487	0.00229	20.2	0.0367	12.3	0.000961	0.000961	0.00000511	0.00384	0.000669	0.0259	0.00946	0.00000513	9.49	0.0000108	0.000118
2051 Jul	58.5	0.0418	0.0494	0.0023	20.2	0.0367	12.3	0.000962	0.000962	0.00000511	0.00385	0.000672	0.0261	0.00947	0.00000514	9.52	0.0000108	0.000119
2051 Aug	59	0.0426	0.0505	0.00232	20.3	0.0368	12.5	0.000963	0.000963	0.00000513	0.00386	0.000677	0.0263	0.0095	0.00000515	9.57	0.0000109	0.000119
2051 Sep	59.2	0.0434	0.0516	0.00233	20.3	0.0368	12.6	0.000961	0.000961	0.00000512	0.00387	0.00068	0.0265	0.00949	0.00000514	9.58	0.0000109	0.000119
2051 Oct	59.5	0.0447	0.0531	0.00235	20.3	0.0367	12.7	0.000956	0.000956	0.00000509	0.00386	0.000683	0.0267	0.00946	0.00000511	9.59	0.0000109	0.000119
2051 Nov	59.7	0.0451	0.0537	0.00236	20.4	0.0367	12.7	0.000955	0.000955	0.00000509	0.00387	0.000685	0.0268	0.00946	0.00000511	9.61	0.0000109	0.000119
2051 Dec	59.8	0.0451	0.0538	0.00236	20.4	0.0367	12.8	0.000955	0.000955	0.00000509	0.00387	0.000685	0.0268	0.00947	0.00000511	9.61	0.0000109	0.000119
2052 Jan	59.8	0.0451	0.0538	0.00236	20.4	0.0367	12.8	0.000955	0.000955	0.00000509	0.00387	0.000686	0.0268	0.00947	0.00000511	9.61	0.0000109	0.000119
2052 Feb	59.8	0.0451	0.0538	0.00236	20.4	0.0367	12.8	0.000956	0.000956	0.00000509	0.00387	0.000686	0.0268	0.00947	0.00000511	9.61	0.0000109	0.000119
2052 Mar	59.8	0.0452	0.0538	0.00236	20.4	0.0367	12.8	0.000956	0.000956	0.00000509	0.00387	0.000686	0.0268	0.00947	0.00000511	9.61	0.0000109	0.000119
2052 Apr	59.8	0.0452	0.0539	0.00236	20.4	0.0367	12.8	0.000956	0.000956	0.00000509	0.00387	0.000686	0.0268	0.00947	0.00000511	9.61	0.0000109	0.000119
2052 May	59.9	0.0453	0.054	0.00236	20.4	0.0368	12.8	0.000957	0.000957	0.0000051	0.00388	0.000688	0.0269	0.0095	0.00000512	9.64	0.0000109	0.00012
2052 Jun	60.1	0.0455	0.0542	0.00236	20.4	0.0367	12.8	0.000956	0.000956	0.00000509	0.00389	0.000691	0.0269	0.00957	0.00000511	9.7	0.000011	0.000121
2052 Jul	60.6	0.0463	0.0554	0.00239	20.5	0.0368	13	0.000959	0.000959	0.00000511	0.00391	0.000698	0.0272	0.00961	0.00000513	9.76	0.000011	0.000121
2052 Aug	61.1	0.047	0.0564	0.0024	20.6	0.0369	13.1	0.000961	0.000961	0.00000513	0.00392	0.000703	0.0274	0.00964	0.00000515	9.81	0.0000111	0.000122
2052 Sep	61.5	0.0477	0.0574	0.00242	20.7	0.037	13.2	0.000961	0.000961	0.00000513	0.00393	0.000707	0.0277	0.00965	0.00000515	9.84	0.0000111	0.000122
2052 Oct	61.9	0.0485	0.0586	0.00244	20.7	0.037	13.4	0.000961	0.000961	0.00000513	0.00393	0.000711	0.0279	0.00965	0.00000515	9.88	0.0000112	0.000122
2052 Nov	62	0.0487	0.0588	0.00244	20.8	0.037	13.4	0.000961	0.000961	0.00000513	0.00394	0.000712	0.028	0.00966	0.00000515	9.89	0.0000112	0.000122
2052 Dec	62.1	0.0488	0.059	0.00245	20.8	0.037	13.4	0.000961	0.000961	0.00000513	0.00394	0.000712	0.028	0.00966	0.00000515	9.89	0.0000112	0.000122
2053 Jan	62.1	0.0488	0.059	0.00245	20.8	0.037	13.4	0.000961	0.000961	0.00000513	0.00394	0.000712	0.028	0.00966	0.00000515	9.89	0.0000112	0.000122
2053 Feb	62.1	0.0488	0.059	0.00245	20.8	0.037	13.4	0.000961	0.000961	0.00000513	0.00394	0.000713	0.028	0.00966	0.00000515	9.89	0.0000112	0.000122
2053 Mar	62.1	0.0488	0.059	0.00245	20.8	0.0371	13.4	0.000961	0.000961	0.00000514	0.00394	0.000713	0.028	0.00966	0.00000515	9.89	0.0000112	0.000122
2053 Apr	62.1	0.0489	0.059	0.00245	20.8	0.0371	13.4	0.000962	0.000962	0.00000514	0.00394	0.000713	0.028	0.00967	0.00000515	9.9	0.0000112	0.000122
2053 May	63.4	0.0506	0.0617	0.00249	21	0.0372	13.8	0.000962	0.000962	0.00000515	0.00396	0.000726	0.0287	0.00974	0.00000516	10	0.0000113	0.000123
2053 Jun	64.1	0.0519	0.0635	0.00251	21	0.0369	14	0.000956	0.000956	0.00000512	0.00397	0.000736	0.0291	0.00983	0.00000513	10.1	0.0000114	0.000125
2053 Jul	64.5	0.0525	0.0642	0.00252	21.1	0.037	14.1	0.000959	0.000959	0.00000514	0.00399	0.000741	0.0293	0.00987	0.00000515	10.2	0.0000115	0.000125
2053 Aug	65.4	0.0535	0.0658	0.00256	21.3	0.0373	14.4	0.000964	0.000964	0.00000517	0.00402	0.00075	0.0298	0.00993	0.00000518	10.3	0.0000116	0.000126
2053 Sep	66.5	0.0551	0.0682	0.0026	21.5	0.0375	14.7	0.000967	0.000967	0.0000052	0.00404	0.000761	0.0304	0.00997	0.0000052	10.4	0.0000117	0.000127
2053 Oct	67.2	0.0562	0.0697	0.00263	21.6	0.0376	14.9	0.000968	0.000968	0.0000052	0.00405	0.000767	0.0309	0.00998	0.00000521	10.4	0.0000118	0.000127
2053 Nov	67.3	0.0563	0.07	0.00263	21.6	0.0376	15	0.000968	0.000968	0.00000521	0.00405	0.000768	0.0309	0.00998	0.00000521	10.5	0.0000118	0.000127
2053 Dec	67.4	0.0564	0.0701	0.00263	21.6	0.0376	15	0.000968	0.000968	0.00000521	0.00405	0.000769	0.0309	0.00998	0.00000521	10.5	0.0000118	0.000127
2054 Jan	67.4	0.0564	0.0701	0.00263	21.6	0.0376	15	0.000968	0.000968	0.00000521	0.00405	0.000769	0.031	0.00998	0.00000521	10.5	0.0000118	0.000127
2054 Feb	67.4	0.0564	0.0701	0.00263	21.6	0.0376	15	0.000968	0.000968	0.00000521	0.00405	0.000769	0.031	0.00998	0.00000521	10.5	0.0000118	0.000127
2054 Mar	67.4	0.0564	0.0701	0.00263	21.6	0.0376	15	0.000968	0.000968	0.00000521	0.00405	0.000769	0.031	0.00998	0.00000521	10.5	0.0000118	0.000127
2054 Apr	67.4	0.0564	0.0701	0.00263	21.6	0.0376	15	0.000968	0.000968	0.00000521	0.00405	0.000769	0.031	0.00999	0.00000521	10.5	0.0000118	0.000128
2054 May	67.5	0.0566	0.0702	0.00264	21.7	0.0377	15	0.00097	0.00097	0.00000521	0.00406	0.000771	0.031	0.01	0.00000522	10.5	0.0000118	0.000128
2054 Jun	67.4	0.0565	0.07	0.00262	21.5	0.0373	14.9	0.000964	0.000964	0.00000518	0.00406	0.000773	0.0308	0.0101	0.00000519	10.5	0.0000118	0.000129
2054 Jul	67.6	0.0568	0.0704	0.00262	21.5	0.0373	15	0.000963	0.000963	0.00000518	0.00407	0.000777	0.031	0.0101	0.00000518	10.6	0.0000119	0.000129
2054 Aug	68.1	0.0575	0.0714	0.00264	21.6	0.0374	15.2	0.000965	0.000965	0.00000519	0.00409	0.000782	0.0313	0.0101	0.00000519	10.6	0.0000119	0.00013
2054 Sep	68.5	0.058	0.0721	0.00265	21.7	0.0374	15.3	0.000965	0.000965	0.0000052	0.00409	0.000787	0.0315	0.0101	0.0000052	10.7	0.000012	0.00013
2054 Oct	68.7	0.0583	0.0725	0.00266	21.7	0.0374	15.3	0.000964	0.000964	0.0000052	0.0041	0.000789	0.0316	0.0102	0.0000052	10.7	0.000012	0.00013
2054 Nov	68.7	0.0585	0.0727	0.00266	21.7	0.0374	15.4	0.000964	0.000964	0.00000519	0.0041	0.00079	0.0316	0.0102	0.00000519	10.7	0.000012	0.00013
2054 Dec	68.8	0.0586	0.0728	0.00266	21.7	0.0374	15.4	0.000964	0.000964	0.0000052	0.0041	0.00079	0.0317	0.0102	0.0000052	10.7	0.000012	0.00013
2055 Jan	68.8	0.0586	0.0728	0.00266	21.7	0.0374	15.4	0.000964	0.000964	0.0000052	0.0041	0.00079	0.0317	0.0102	0.0000052	10.7	0.000012	0.00013
2055 Feb	68.8	0.0586	0.0728	0.00266	21.7	0.0374	15.4	0.000964	0.000964	0.0000052	0.0041	0.00079	0.0317	0.0102	0.0000052	10.7	0.000012	0.00013
2055 Mar	68.8	0.0586	0.0728	0.00266	21.7	0.0374	15.4	0.000964	0.000964	0.0000052	0.0041	0.00079	0.0317	0.0102	0.0000052	10.7	0.000012	0.00013
2055 Apr	68.8	0.0586	0.0729	0.00266	21.7	0.0375	15.4	0.000964	0.000964	0.0000052	0.0041	0.000791	0.0317	0.0102	0.0000052	10.7	0.000012	0.00013
2055 May	68.9	0.0587	0.073	0.00267	21.7	0.0375	15.4	0.000966	0.000966	0.00000521	0.00411	0.000792	0.0318	0.0102	0.00000521	10.7	0.000012	0.00013
2055 Jun	69	0.0589	0.0733	0.00266	21.6	0.0372	15.5	0.000961	0.000961	0.00000518	0.00413	0.000796	0.0318	0.0102	0.00000518	10.7	0.0000121	0.000131
2055 Jul	69	0.0589	0.0733	0.00266	21.5	0.0372	15.5	0.000961	0.000961	0.00000518	0.00414	0.000798	0.0318	0.0102	0.00000518	10.7	0.0000122	0.000131
2055 Aug	69.5	0.0593	0.0739	0.00267	21.6	0.0373	15.6	0.000965	0.000965	0.00000521	0.00416	0.000803	0.0321	0.0102	0.0000052	10.8	0.0000122	0.000132
2055 Sep	69.8	0.0598	0.0745	0.00268	21.7	0.0374	15.7	0.000966	0.000966	0.00000521	0.00417	0.000807	0.0323	0.0102	0.00000521	10.8	0.0000123	0.000132
2055 Oct	70.1	0.0601	0.0749	0.00269	21.7	0.0374	15.8	0.000966	0.000966	0.00000521	0.00417	0.00081	0.0324	0.0103	0.00000521	10.9	0.0000123	0.000132
2055 Nov	70.3	0.0603	0.0752	0.00269	21.7	0.0374	15.8	0.000966	0.000966	0.00000522	0.00418	0.000811	0.0325	0.0103	0.00000521	10.9	0.0000123	0.000132
2055 Dec	70.3	0.0604	0.0753	0.0027	21.7	0.0374	15.8	0.000966	0.000966	0.00000522	0.00418	0.000812	0.0326	0.0103	0.00000521	10.9	0.0000123	0.000132
2056 Jan	70.3	0.0604	0.0753	0.0027	21.7	0.0374	15.8	0.000966	0.000966	0.00000522	0.00418	0.000812	0.0326	0.0103	0.00000521	10.9	0.0000123	0.000132
2056 Feb	70.3	0.0604	0.0753	0.0027	21.7	0.0374	15.8	0.000966	0.000966	0.00000522	0.00418	0.000812	0.0326	0.0103	0.00000521	10.9	0.0000123	0.000132

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2056 Mar	70.3	0.0604	0.0753	0.0027	21.7	0.0374	15.8	0.000966	0.000966	0.00000522	0.00418	0.000812	0.0326	0.0103	0.00000521	10.9	0.0000123	0.000132
2056 Apr	70.4	0.0604	0.0754	0.0027	21.7	0.0375	15.9	0.000967	0.000967	0.00000522	0.00418	0.000812	0.0326	0.0103	0.00000521	10.9	0.0000123	0.000132
2056 May	70.5	0.0605	0.0754	0.0027	21.8	0.0375	15.9	0.000968	0.000968	0.00000523	0.00419	0.000815	0.0326	0.0103	0.00000522	10.9	0.0000123	0.000133
2056 Jun	70.2	0.0602	0.0746	0.00267	21.6	0.0372	15.7	0.000963	0.000963	0.00000519	0.00419	0.000817	0.0323	0.0104	0.00000519	11	0.0000124	0.000134
2056 Jul	70.7	0.0607	0.0753	0.00269	21.7	0.0373	15.9	0.000967	0.000967	0.00000522	0.00421	0.000823	0.0326	0.0105	0.00000521	11.1	0.0000124	0.000135
2056 Aug	71.3	0.0612	0.0761	0.00271	21.8	0.0375	16	0.00097	0.00097	0.00000524	0.00423	0.000829	0.0329	0.0105	0.00000523	11.1	0.0000125	0.000136
2056 Sep	71.8	0.0617	0.0768	0.00272	21.9	0.0376	16.2	0.000972	0.000972	0.00000525	0.00425	0.000834	0.0332	0.0106	0.00000525	11.2	0.0000126	0.000136
2056 Oct	72.2	0.0623	0.0775	0.00273	21.9	0.0376	16.3	0.000971	0.000971	0.00000525	0.00425	0.000839	0.0335	0.0106	0.00000524	11.2	0.0000126	0.000136
2056 Nov	72.4	0.0624	0.0778	0.00274	21.9	0.0376	16.4	0.000971	0.000971	0.00000525	0.00426	0.00084	0.0336	0.0106	0.00000524	11.2	0.0000126	0.000136
2056 Dec	72.4	0.0625	0.0779	0.00274	22	0.0376	16.4	0.000971	0.000971	0.00000525	0.00426	0.000841	0.0336	0.0106	0.00000524	11.2	0.0000126	0.000136
2057 Jan	72.4	0.0625	0.0779	0.00274	22	0.0376	16.4	0.000971	0.000971	0.00000525	0.00426	0.000841	0.0336	0.0106	0.00000524	11.2	0.0000126	0.000136
2057 Feb	72.4	0.0625	0.0779	0.00274	22	0.0376	16.4	0.000971	0.000971	0.00000525	0.00426	0.000841	0.0336	0.0106	0.00000524	11.2	0.0000126	0.000136
2057 Mar	72.4	0.0625	0.0779	0.00274	22	0.0376	16.4	0.000971	0.000971	0.00000525	0.00426	0.000841	0.0336	0.0106	0.00000524	11.2	0.0000126	0.000136
2057 Apr	72.4	0.0625	0.0779	0.00274	22	0.0376	16.4	0.000972	0.000972	0.00000526	0.00426	0.000841	0.0336	0.0106	0.00000525	11.2	0.0000126	0.000136
2057 May	72.6	0.0627	0.0781	0.00274	22	0.0377	16.5	0.000973	0.000973	0.00000527	0.00427	0.000843	0.0337	0.0106	0.00000526	11.3	0.0000127	0.000137
2057 Jun	72.2	0.0622	0.0772	0.00271	21.8	0.0373	16.3	0.000968	0.000968	0.00000524	0.00427	0.000844	0.0334	0.0107	0.00000523	11.3	0.0000127	0.000138
2057 Jul	72.6	0.0625	0.0777	0.00273	21.9	0.0374	16.4	0.000972	0.000972	0.00000525	0.00429	0.000849	0.0336	0.0107	0.00000524	11.3	0.0000128	0.000138
2057 Aug	73.4	0.0632	0.0786	0.00275	22.1	0.0377	16.6	0.000979	0.000979	0.00000529	0.00433	0.000858	0.034	0.0108	0.00000528	11.4	0.0000129	0.000139
2057 Sep	74.1	0.0639	0.0796	0.00277	22.2	0.0378	16.8	0.00098	0.00098	0.00000531	0.00434	0.000865	0.0344	0.0108	0.0000053	11.5	0.000013	0.00014
2057 Oct	74.7	0.0646	0.0805	0.00278	22.2	0.0378	17.1	0.00098	0.00098	0.00000531	0.00435	0.000871	0.0349	0.0108	0.0000053	11.6	0.000013	0.00014
2057 Nov	74.9	0.0647	0.0807	0.00279	22.2	0.0379	17.1	0.00098	0.00098	0.00000531	0.00436	0.000873	0.035	0.0108	0.0000053	11.6	0.000013	0.00014
2057 Dec	74.9	0.0647	0.0808	0.00279	22.2	0.0379	17.1	0.00098	0.00098	0.00000532	0.00436	0.000873	0.035	0.0108	0.0000053	11.6	0.000013	0.00014
2058 Jan	74.9	0.0648	0.0808	0.00279	22.2	0.0379	17.1	0.00098	0.00098	0.00000532	0.00436	0.000873	0.035	0.0108	0.0000053	11.6	0.000013	0.00014
2058 Feb	74.9	0.0648	0.0808	0.00279	22.2	0.0379	17.1	0.00098	0.00098	0.00000532	0.00436	0.000873	0.035	0.0108	0.0000053	11.6	0.000013	0.00014
2058 Mar	74.9	0.0648	0.0808	0.00279	22.2	0.0379	17.1	0.00098	0.00098	0.00000532	0.00436	0.000873	0.035	0.0108	0.0000053	11.6	0.000013	0.00014
2058 Apr	75	0.0648	0.0809	0.00279	22.2	0.0379	17.1	0.00098	0.00098	0.00000532	0.00436	0.000874	0.035	0.0108	0.0000053	11.6	0.000013	0.00014
2058 May	76.1	0.0657	0.0822	0.00281	22.3	0.0379	17.5	0.000981	0.000981	0.00000533	0.00438	0.000886	0.0357	0.0109	0.00000531	11.7	0.0000132	0.000141
2058 Jun	77.6	0.0669	0.0836	0.00281	22.2	0.0375	18	0.000971	0.000971	0.00000529	0.00439	0.000907	0.0366	0.011	0.00000527	11.9	0.0000134	0.000144
2058 Jul	78	0.0672	0.084	0.00282	22.3	0.0376	18.1	0.000974	0.000974	0.00000531	0.00441	0.000912	0.0368	0.0111	0.00000528	12	0.0000134	0.000144
2058 Aug	78.7	0.0678	0.0848	0.00284	22.4	0.0378	18.3	0.000978	0.000978	0.00000533	0.00444	0.00092	0.0372	0.0111	0.00000531	12.1	0.0000135	0.000145
2058 Sep	79.2	0.0682	0.0854	0.00285	22.5	0.0378	18.5	0.000978	0.000978	0.00000534	0.00445	0.000925	0.0375	0.0111	0.00000531	12.1	0.0000136	0.000145
2058 Oct	79.6	0.0687	0.086	0.00286	22.5	0.0378	18.7	0.000977	0.000977	0.00000534	0.00445	0.00093	0.0378	0.0111	0.00000531	12.1	0.0000136	0.000146
2058 Nov	79.7	0.0688	0.0862	0.00286	22.5	0.0378	18.7	0.000977	0.000977	0.00000534	0.00446	0.000931	0.0379	0.0111	0.00000531	12.1	0.0000136	0.000146
2058 Dec	79.8	0.0688	0.0862	0.00286	22.5	0.0378	18.7	0.000978	0.000978	0.00000534	0.00446	0.000931	0.0379	0.0111	0.00000531	12.1	0.0000136	0.000146
2059 Jan	79.8	0.0688	0.0862	0.00286	22.5	0.0378	18.7	0.000978	0.000978	0.00000534	0.00446	0.000931	0.0379	0.0111	0.00000531	12.1	0.0000136	0.000146
2059 Feb	79.8	0.0688	0.0862	0.00286	22.5	0.0378	18.7	0.000978	0.000978	0.00000534	0.00446	0.000931	0.0379	0.0111	0.00000531	12.1	0.0000136	0.000146
2059 Mar	79.8	0.0688	0.0862	0.00286	22.5	0.0378	18.7	0.000978	0.000978	0.00000534	0.00446	0.000931	0.0379	0.0111	0.00000531	12.1	0.0000136	0.000146
2059 Apr	79.8	0.0688	0.0862	0.00286	22.5	0.0378	18.7	0.000978	0.000978	0.00000534	0.00446	0.000931	0.0379	0.0111	0.00000531	12.2	0.0000136	0.000146
2059 May	80.1	0.069	0.0865	0.00287	22.6	0.0379	18.8	0.000979	0.000979	0.00000535	0.00447	0.000935	0.0381	0.0112	0.00000532	12.2	0.0000137	0.000146
2059 Jun	80.4	0.0692	0.0865	0.00286	22.5	0.0377	18.9	0.000978	0.000978	0.00000535	0.00448	0.000942	0.0382	0.0113	0.00000531	12.3	0.0000137	0.000148
2059 Jul	81.1	0.0698	0.0873	0.00289	22.7	0.038	19.1	0.000985	0.000985	0.00000538	0.00452	0.000951	0.0385	0.0114	0.00000535	12.4	0.0000139	0.000149
2059 Aug	81.8	0.0703	0.088	0.0029	22.8	0.0382	19.2	0.00099	0.00099	0.00000542	0.00455	0.000958	0.0389	0.0115	0.00000538	12.5	0.000014	0.00015
2059 Sep	82.2	0.0707	0.0885	0.00291	22.9	0.0383	19.4	0.000992	0.000992	0.00000543	0.00456	0.000963	0.0391	0.0115	0.00000539	12.5	0.000014	0.00015
2059 Oct	82.4	0.0709	0.0886	0.00291	22.8	0.0382	19.5	0.000987	0.000987	0.00000541	0.00456	0.000965	0.0393	0.0114	0.00000537	12.5	0.000014	0.00015
2059 Nov	82.6	0.0711	0.0888	0.00291	22.8	0.0382	19.6	0.000987	0.000987	0.00000541	0.00456	0.000967	0.0395	0.0114	0.00000537	12.6	0.000014	0.00015
2059 Dec	82.6	0.0711	0.0888	0.00291	22.8	0.0382	19.6	0.000987	0.000987	0.00000541	0.00456	0.000967	0.0395	0.0114	0.00000537	12.6	0.000014	0.00015
2060 Jan	82.6	0.0711	0.0888	0.00291	22.8	0.0382	19.6	0.000987	0.000987	0.00000541	0.00456	0.000967	0.0395	0.0114	0.00000537	12.6	0.000014	0.00015
2060 Feb	82.6	0.0711	0.0888	0.00291	22.8	0.0382	19.6	0.000987	0.000987	0.00000541	0.00456	0.000967	0.0395	0.0114	0.00000537	12.6	0.000014	0.00015
2060 Mar	82.6	0.0711	0.0888	0.00291	22.8	0.0382	19.6	0.000987	0.000987	0.00000541	0.00456	0.000967	0.0395	0.0114	0.00000537	12.6	0.000014	0.00015
2060 Apr	82.7	0.0711	0.0889	0.00291	22.8	0.0382	19.6	0.000988	0.000988	0.00000541	0.00456	0.000968	0.0395	0.0114	0.00000538	12.6	0.000014	0.00015
2060 May	83.1	0.0714	0.0891	0.00292	22.9	0.0382	19.7	0.000988	0.000988	0.00000542	0.00458	0.000974	0.0397	0.0115	0.00000538	12.7	0.0000141	0.000151
2060 Jun	83	0.0712	0.0885	0.00289	22.7	0.0379	19.6	0.000984	0.000984	0.00000539	0.00458	0.000978	0.0395	0.0117	0.00000535	12.7	0.0000141	0.000152
2060 Jul	83.6	0.0717	0.0891	0.00291	22.9	0.0381	19.8	0.000991	0.000991	0.00000543	0.00461	0.000986	0.0398	0.0117	0.00000539	12.8	0.0000142	0.000153
2060 Aug	84.1	0.0721	0.0896	0.00293	23	0.0383	19.9	0.000993	0.000993	0.00000544	0.00463	0.000992	0.0401	0.0118	0.00000541	12.9	0.0000143	0.000154
2060 Sep	84.4	0.0723	0.0898	0.00292	22.9	0.0382	20.1	0.00099	0.00099	0.00000543	0.00463	0.000995	0.0404	0.0118	0.00000539	12.9	0.0000143	0.000154
2060 Oct	84.9	0.0726	0.0902	0.00293	22.9	0.0382	20.3	0.000989	0.000989	0.00000543	0.00464	0.001	0.0407	0.0118	0.00000539	13	0.0000144	0.000154
2060 Nov	85.1	0.0727	0.0903	0.00293	22.9	0.0381	20.3	0.000988	0.000988	0.00000543	0.00464	0.001	0.0408	0.0118	0.00000539	13	0.0000144	0.000154
2060 Dec	85.2	0.0728	0.0904	0.00293	22.9	0.0381	20.3	0.000988	0.000988	0.00000543	0.00464	0.001	0.0409	0.0118	0.00000539	13	0.0000144	0.000154
2061 Jan	85.2	0.0728	0.0904	0.00293	22.9	0.0381	20.3	0.000988	0.000988	0.00000543	0.00464	0.001	0.0409	0.0118	0.00000539	13	0.0000144	0.000154
2061 Feb	85.2	0.0728	0.0904	0.00293	22.9	0.0381	20.3	0.000988	0.000988	0.00000543	0.00464	0.001	0.0409	0.0118	0.00000539	13	0.0000144	0.000154
2061 Mar	85.2	0.0728	0.0904	0.00293	22.9	0.0381	20.3	0.000989	0.000989	0.00000543	0.00464	0.001	0.0409	0.0118	0.00000539	13	0.0000144	0.000154
2061 Apr	85.2	0.0728	0.0905	0.00293	22.9	0.0382	20.4	0.000989	0.000989	0.00000543	0.00464	0.001	0.0409	0.0118	0.00000539	13	0.0000144	0.000154
2061 May	85.9	0.0732	0.0908	0.00293	23	0.0381	20.5	0.000989	0.000989	0.00000544	0.00466	0.00101	0.0412	0.0119	0.0000054	13.1	0.0000145	0.000156
2061 Jun	85.9	0.0729	0.0902	0.0029	22.8	0.0377	20.6	0.000981	0.000981	0.0000054	0.00466	0.00102	0.0412	0.012	0.00000535	13.2	0.0000145	0.000157
2061 Jul	86.6	0.0735	0.0908	0.00292	22.9	0.0379	20.7	0.000987	0.000987	0.00000543	0.00469	0.00103	0.0416	0.012	0.00000539	13.3	0.0000146	0.000158
2061 Aug	87.3	0.074	0.0915	0.00294	23	0.0382	21	0.000993	0.000993	0.00000547	0.00472	0.00103	0.042	0.0121	0.00000542	13.4	0.0000147	0.000159
2061 Sep	87.9	0.0744	0.0921	0.00295	23.1	0.0382	21.2	0.000994	0.000994	0.00000548	0.00473	0.00104	0.0423	0.0121	0.00000543	13.4	0.0000148	0.000159
2061 Oct	88.3	0.0746	0.0923	0.00295	23	0.0381	21.3	0.00099	0.00099	0.00000546	0.00473	0.00104	0.0427	0.0121	0.00000541	13.4	0.0000148	0.000159
2061 Nov	88.5	0.0747	0.0924	0.00295	23	0.0381	21.4	0.000989	0.000989	0.00000546	0.00473	0.00105	0.0428	0.0121	0.0000054	13.5	0.0000148	0.000159
2061 Dec	88.5	0.0747	0.0924	0.00295	23	0.0381	21.4	0.000989	0.000989	0.00000546	0.00473	0.00105	0.0428	0.0121	0.0000054	13.5	0.0000148	0.000159
2062 Jan	88.5	0.0748	0.0924	0.00295	23	0.0381	21.4	0.000989	0.000989	0.00000546	0.00473	0.00105	0.0429	0.0121	0.0000054	13.5	0.0000148	0.000159

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2062 Feb	88.5	0.0748	0.0925	0.00295	23	0.0381	21.4	0.000989	0.000989	0.00000546	0.00473	0.00105	0.0429	0.0121	0.0000054	13.5	0.0000148	0.000159
2062 Mar	88.6	0.0748	0.0925	0.00295	23	0.0381	21.4	0.000989	0.000989	0.00000546	0.00473	0.00105	0.0429	0.0121	0.0000054	13.5	0.0000148	0.000159
2062 Apr	88.6	0.0748	0.0925	0.00295	23	0.0381	21.5	0.000989	0.000989	0.00000546	0.00474	0.00105	0.0429	0.0121	0.00000541	13.5	0.0000149	0.000159
2062 May	88.7	0.0749	0.0926	0.00296	23.1	0.0382	21.5	0.00099	0.00099	0.00000547	0.00474	0.00105	0.043	0.0121	0.00000541	13.5	0.0000149	0.000159
2062 Jun	88.2	0.0743	0.0917	0.00293	22.9	0.0379	21.3	0.000987	0.000987	0.00000544	0.00475	0.00105	0.0426	0.0121	0.00000539	13.4	0.0000149	0.000159
2062 Jul	88.1	0.0741	0.0914	0.00292	22.8	0.0378	21.3	0.000987	0.000987	0.00000544	0.00476	0.00105	0.0426	0.0121	0.00000539	13.5	0.0000149	0.00016
2062 Aug	88.6	0.0744	0.0918	0.00293	22.8	0.0379	21.5	0.000988	0.000988	0.00000545	0.00477	0.00105	0.0429	0.0121	0.0000054	13.5	0.000015	0.00016
2062 Sep	89	0.0746	0.0919	0.00293	22.8	0.0378	21.6	0.000987	0.000987	0.00000545	0.00478	0.00106	0.0432	0.0121	0.00000539	13.5	0.000015	0.00016
2062 Oct	89	0.0745	0.0915	0.00291	22.6	0.0376	21.7	0.000979	0.000979	0.00000541	0.00477	0.00106	0.0433	0.0121	0.00000535	13.5	0.000015	0.00016
2062 Nov	89.1	0.0746	0.0915	0.00291	22.6	0.0376	21.7	0.000979	0.000979	0.00000541	0.00478	0.00106	0.0434	0.0121	0.00000536	13.5	0.000015	0.00016
2062 Dec	89.2	0.0746	0.0916	0.00291	22.6	0.0376	21.7	0.000979	0.000979	0.00000541	0.00478	0.00106	0.0434	0.0121	0.00000536	13.5	0.000015	0.00016
2063 Jan	89.2	0.0746	0.0916	0.00291	22.6	0.0376	21.7	0.000979	0.000979	0.00000541	0.00478	0.00106	0.0434	0.0121	0.00000536	13.5	0.000015	0.00016
2063 Feb	89.2	0.0746	0.0916	0.00291	22.6	0.0376	21.7	0.000979	0.000979	0.00000541	0.00478	0.00106	0.0434	0.0121	0.00000536	13.5	0.000015	0.00016
2063 Mar	89.2	0.0746	0.0916	0.00291	22.6	0.0376	21.7	0.000979	0.000979	0.00000541	0.00478	0.00106	0.0434	0.0121	0.00000536	13.5	0.000015	0.00016
2063 Apr	89.2	0.0746	0.0916	0.00291	22.6	0.0376	21.7	0.000979	0.000979	0.00000542	0.00478	0.00106	0.0434	0.0121	0.00000536	13.6	0.000015	0.00016
2063 May	89.3	0.0747	0.0916	0.00291	22.7	0.0376	21.7	0.00098	0.00098	0.00000542	0.00479	0.00107	0.0434	0.0122	0.00000536	13.6	0.0000151	0.000161
2063 Jun	88.1	0.0736	0.0895	0.00285	22.3	0.0369	21.3	0.000968	0.000968	0.00000535	0.00476	0.00106	0.0426	0.0123	0.00000529	13.6	0.000015	0.000162
2063 Jul	88.2	0.0735	0.0895	0.00285	22.3	0.0369	21.4	0.000968	0.000968	0.00000535	0.00477	0.00106	0.0426	0.0123	0.00000529	13.6	0.000015	0.000162
2063 Aug	89	0.074	0.0901	0.00287	22.4	0.0371	21.6	0.000974	0.000974	0.00000538	0.0048	0.00107	0.043	0.0123	0.00000532	13.7	0.0000151	0.000163
2063 Sep	89.6	0.0744	0.0905	0.00287	22.4	0.0372	21.8	0.000974	0.000974	0.00000539	0.00482	0.00108	0.0435	0.0124	0.00000533	13.8	0.0000152	0.000163
2063 Oct	90	0.0745	0.0907	0.00287	22.4	0.0371	22	0.000973	0.000973	0.00000539	0.00482	0.00108	0.0438	0.0123	0.00000532	13.8	0.0000152	0.000163
2063 Nov	90.2	0.0746	0.0908	0.00287	22.4	0.0371	22	0.000973	0.000973	0.00000539	0.00482	0.00108	0.0439	0.0123	0.00000533	13.8	0.0000152	0.000163
2063 Dec	90.2	0.0746	0.0908	0.00288	22.4	0.0371	22	0.000973	0.000973	0.00000539	0.00482	0.00108	0.0439	0.0123	0.00000533	13.8	0.0000152	0.000163
2064 Jan	90.2	0.0746	0.0909	0.00288	22.4	0.0371	22.1	0.000973	0.000973	0.00000539	0.00482	0.00108	0.0439	0.0123	0.00000533	13.8	0.0000152	0.000163
2064 Feb	90.2	0.0746	0.0909	0.00288	22.4	0.0371	22.1	0.000973	0.000973	0.00000539	0.00482	0.00108	0.0439	0.0123	0.00000533	13.8	0.0000152	0.000163
2064 Mar	90.3	0.0746	0.0909	0.00288	22.4	0.0371	22.1	0.000973	0.000973	0.00000539	0.00482	0.00108	0.0439	0.0123	0.00000533	13.8	0.0000152	0.000163
2064 Apr	90.3	0.0747	0.0909	0.00288	22.4	0.0371	22.1	0.000973	0.000973	0.00000539	0.00483	0.00108	0.0439	0.0124	0.00000533	13.8	0.0000153	0.000163
2064 May	90.8	0.0749	0.0911	0.00288	22.4	0.0371	22.2	0.000973	0.000973	0.00000539	0.00484	0.00109	0.0442	0.0124	0.00000533	13.9	0.0000153	0.000164
2064 Jun	91	0.0745	0.0902	0.00284	22.2	0.0366	22.3	0.000965	0.000965	0.00000535	0.00483	0.0011	0.0443	0.0125	0.00000529	14	0.0000154	0.000166
2064 Jul	91.5	0.0748	0.0906	0.00286	22.3	0.0368	22.5	0.000969	0.000969	0.00000538	0.00486	0.00111	0.0446	0.0126	0.00000531	14.1	0.0000154	0.000166
2064 Aug	92.1	0.0751	0.091	0.00286	22.4	0.0369	22.6	0.000971	0.000971	0.00000539	0.00487	0.00111	0.045	0.0126	0.00000532	14.1	0.0000155	0.000167
2064 Sep	92.8	0.0753	0.0912	0.00286	22.3	0.0368	22.9	0.000969	0.000969	0.00000539	0.00488	0.00112	0.0455	0.0126	0.00000532	14.2	0.0000156	0.000167
2064 Oct	93.4	0.0756	0.0916	0.00287	22.4	0.0369	23.2	0.000969	0.000969	0.00000539	0.00489	0.00113	0.0459	0.0126	0.00000532	14.3	0.0000156	0.000167
2064 Nov	93.6	0.0757	0.0917	0.00287	22.4	0.0369	23.2	0.000969	0.000969	0.0000054	0.0049	0.00113	0.0461	0.0126	0.00000532	14.3	0.0000157	0.000168
2064 Dec	93.7	0.0757	0.0918	0.00287	22.4	0.0369	23.2	0.000969	0.000969	0.0000054	0.0049	0.00113	0.0461	0.0126	0.00000532	14.3	0.0000157	0.000168
2065 Jan	93.7	0.0757	0.0918	0.00287	22.4	0.0369	23.3	0.000969	0.000969	0.0000054	0.0049	0.00113	0.0461	0.0126	0.00000532	14.3	0.0000157	0.000168
2065 Feb	93.7	0.0757	0.0918	0.00287	22.4	0.0369	23.3	0.000969	0.000969	0.0000054	0.0049	0.00113	0.0461	0.0126	0.00000532	14.3	0.0000157	0.000168
2065 Mar	93.7	0.0757	0.0918	0.00287	22.4	0.0369	23.3	0.000969	0.000969	0.0000054	0.0049	0.00113	0.0461	0.0126	0.00000533	14.3	0.0000157	0.000168
2065 Apr	93.8	0.0757	0.0918	0.00288	22.4	0.0369	23.3	0.00097	0.00097	0.0000054	0.0049	0.00113	0.0461	0.0126	0.00000533	14.3	0.0000157	0.000168
2065 May	94.4	0.076	0.0921	0.00288	22.4	0.0369	23.5	0.000971	0.000971	0.00000541	0.00492	0.00114	0.0465	0.0127	0.00000534	14.4	0.0000158	0.000169
2065 Jun	94.1	0.0755	0.0911	0.00285	22.3	0.0366	23.3	0.000965	0.000965	0.00000538	0.00491	0.00114	0.0462	0.0128	0.0000053	14.4	0.0000158	0.000169
2065 Jul	94.8	0.076	0.0917	0.00287	22.4	0.0368	23.6	0.000971	0.000971	0.00000541	0.00494	0.00115	0.0466	0.0129	0.00000534	14.5	0.0000159	0.000171
2065 Aug	95.7	0.0765	0.0923	0.00288	22.5	0.037	23.8	0.000976	0.000976	0.00000544	0.00497	0.00116	0.0471	0.0129	0.00000536	14.6	0.000016	0.000172
2065 Sep	96.1	0.0765	0.0923	0.00288	22.4	0.0369	24	0.000973	0.000973	0.00000543	0.00498	0.00116	0.0475	0.0129	0.00000535	14.7	0.000016	0.000171
2065 Oct	96.4	0.0765	0.092	0.00286	22.3	0.0367	24.2	0.000967	0.000967	0.00000541	0.00497	0.00117	0.0478	0.0128	0.00000532	14.7	0.000016	0.000171
2065 Nov	96.6	0.0766	0.092	0.00286	22.3	0.0367	24.3	0.000966	0.000966	0.00000541	0.00498	0.00117	0.0479	0.0129	0.00000532	14.7	0.0000161	0.000171
2065 Dec	96.6	0.0766	0.092	0.00286	22.3	0.0367	24.3	0.000966	0.000966	0.00000541	0.00498	0.00117	0.0479	0.0129	0.00000532	14.7	0.0000161	0.000171
2066 Jan	96.6	0.0766	0.092	0.00286	22.3	0.0367	24.3	0.000966	0.000966	0.00000541	0.00498	0.00117	0.048	0.0129	0.00000532	14.7	0.0000161	0.000171
2066 Feb	96.6	0.0766	0.0921	0.00286	22.3	0.0367	24.3	0.000966	0.000966	0.00000541	0.00498	0.00117	0.048	0.0129	0.00000532	14.7	0.0000161	0.000171
2066 Mar	96.6	0.0766	0.0921	0.00286	22.3	0.0367	24.3	0.000967	0.000967	0.00000541	0.00498	0.00117	0.048	0.0129	0.00000533	14.7	0.0000161	0.000171
2066 Apr	96.7	0.0766	0.0921	0.00287	22.3	0.0367	24.3	0.000967	0.000967	0.00000541	0.00498	0.00117	0.048	0.0129	0.00000533	14.7	0.0000161	0.000171
2066 May	96.8	0.0767	0.0922	0.00287	22.3	0.0368	24.3	0.000968	0.000968	0.00000542	0.00499	0.00117	0.048	0.0129	0.00000533	14.7	0.0000161	0.000172
2066 Jun	95.9	0.0759	0.0908	0.00283	22.1	0.0364	24	0.000962	0.000962	0.00000538	0.00498	0.00117	0.0474	0.0129	0.00000529	14.7	0.0000161	0.000172
2066 Jul	96.8	0.0763	0.0914	0.00285	22.2	0.0366	24.3	0.000968	0.000968	0.00000541	0.00502	0.00118	0.0479	0.013	0.00000533	14.8	0.0000162	0.000173
2066 Aug	97.6	0.0768	0.092	0.00286	22.3	0.0368	24.5	0.000973	0.000973	0.00000544	0.00505	0.00119	0.0484	0.0131	0.00000536	14.9	0.0000163	0.000174
2066 Sep	98.1	0.077	0.0922	0.00287	22.3	0.0368	24.7	0.000973	0.000973	0.00000545	0.00506	0.00119	0.0488	0.0131	0.00000536	14.9	0.0000164	0.000175
2066 Oct	98.7	0.0772	0.0923	0.00287	22.3	0.0367	24.9	0.000971	0.000971	0.00000545	0.00506	0.0012	0.0492	0.0131	0.00000536	15	0.0000164	0.000175
2066 Nov	98.8	0.0772	0.0923	0.00287	22.3	0.0367	25	0.00097	0.00097	0.00000545	0.00507	0.0012	0.0493	0.0131	0.00000535	15	0.0000164	0.000175
2066 Dec	98.9	0.0772	0.0924	0.00287	22.3	0.0367	25	0.000971	0.000971	0.00000545	0.00507	0.0012	0.0493	0.0131	0.00000536	15	0.0000164	0.000175
2067 Jan	98.9	0.0772	0.0924	0.00287	22.3	0.0367	25	0.000971	0.000971	0.00000545	0.00507	0.0012	0.0494	0.0131	0.00000536	15	0.0000164	0.000175
2067 Feb	98.9	0.0772	0.0924	0.00287	22.3	0.0367	25	0.000971	0.000971	0.00000545	0.00507	0.0012	0.0494	0.0131	0.00000536	15	0.0000164	0.000175
2067 Mar	98.9	0.0772	0.0924	0.00287	22.3	0.0367	25	0.000971	0.000971	0.00000545	0.00507	0.0012	0.0494	0.0131	0.00000536	15	0.0000165	0.000175
2067 Apr	98.9	0.0772	0.0924	0.00287	22.3	0.0367	25	0.000971	0.000971	0.00000545	0.00507	0.0012	0.0494	0.0131	0.00000536	15	0.0000165	0.000175
2067 May	99.1	0.0774	0.0925	0.00287	22.4	0.0368	25.1	0.000973	0.000973	0.00000546	0.00508	0.0012	0.0494	0.0131	0.00000537	15.1	0.0000165	0.000175
2067 Jun	98.7	0.0769	0.0916	0.00285	22.2	0.0365	24.9	0.000969	0.000969	0.00000543	0.00507	0.0012	0.0491	0.0132	0.00000534	15.1	0.0000165	0.000176
2067 Jul	99.6	0.0775	0.0923	0.00287	22.4	0.0368	25.2	0.000975	0.000975	0.00000547	0.00511	0.00121	0.0496	0.0133	0.00000538	15.2	0.0000166	0.000177
2067 Aug	100	0.0779	0.0928	0.00288	22.5	0.0369	25.4	0.000979	0.000979	0.0000055	0.00514	0.00122	0.0501	0.0133	0.0000054	15.3	0.0000167	0.000178
2067 Sep	101	0.0781	0.093	0.00288	22.5	0.037	25.6	0.000979	0.000979	0.0000055	0.00515	0.00123	0.0505	0.0134	0.00000541	15.4	0.0000168	0.000179
2067 Oct	101	0.078	0.0928	0.00287	22.4	0.0368	25.8	0.000976	0.000976	0.00000549	0.00515	0.00123	0.0507	0.0133	0.00000539	15.4	0.0000168	0.000178
2067 Nov	101	0.0781	0.0928	0.00287	22.4	0.0368	25.8	0.000976	0.000976	0.00000549	0.00515	0.00123	0.0508	0.0133	0.00000539	15.4	0.0000168	0.000178
2067 Dec	101	0.0781	0.0929	0.00287	22.4	0.0368	25.8	0.000976	0.000976	0.00000549	0.00515	0.00123	0.0509	0.0133	0.00000539	15.4	0.0000168	0.000178
2068 Jan	101	0.0781	0.0929	0.00287	22.4	0.0368	25.9	0.000976	0.000976	0.00000549	0.00515	0.00123	0.0509	0.0133	0.00000539	15.4	0.0000168	0.000178

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2068 Feb	101	0.0781	0.0929	0.00287	22.4	0.0368	25.9	0.000976	0.000976	0.00000549	0.00515	0.00123	0.0509	0.0133	0.00000539	15.4	0.0000168	0.000178
2068 Mar	102	0.0781	0.0929	0.00287	22.4	0.0369	25.9	0.000976	0.000976	0.00000549	0.00516	0.00123	0.0509	0.0133	0.0000054	15.4	0.0000168	0.000179
2068 Apr	102	0.0782	0.093	0.00288	22.4	0.0369	25.9	0.000977	0.000977	0.0000055	0.00516	0.00124	0.051	0.0133	0.0000054	15.4	0.0000168	0.000179
2068 May	102	0.0783	0.093	0.00288	22.4	0.0369	25.9	0.000978	0.000978	0.0000055	0.00517	0.00124	0.051	0.0134	0.00000541	15.5	0.0000169	0.000179
2068 Jun	101	0.0772	0.0911	0.00282	22.1	0.0363	25.6	0.000966	0.000966	0.00000544	0.00514	0.00123	0.0503	0.0135	0.00000534	15.4	0.0000168	0.00018
2068 Jul	102	0.0775	0.0915	0.00283	22.2	0.0364	25.9	0.00097	0.00097	0.00000546	0.00517	0.00124	0.0508	0.0135	0.00000536	15.5	0.0000169	0.000181
2068 Aug	103	0.078	0.0922	0.00285	22.3	0.0366	26.1	0.000976	0.000976	0.0000055	0.0052	0.00125	0.0514	0.0136	0.0000054	15.7	0.000017	0.000182
2068 Sep	103	0.0781	0.0923	0.00285	22.3	0.0367	26.3	0.000976	0.000976	0.0000055	0.00521	0.00126	0.0517	0.0136	0.0000054	15.7	0.0000171	0.000182
2068 Oct	103	0.0783	0.0924	0.00285	22.3	0.0367	26.4	0.000976	0.000976	0.00000551	0.00522	0.00126	0.0519	0.0136	0.0000054	15.7	0.0000171	0.000182
2068 Nov	103	0.0783	0.0924	0.00286	22.3	0.0367	26.5	0.000977	0.000977	0.00000551	0.00522	0.00126	0.052	0.0136	0.0000054	15.7	0.0000171	0.000182
2068 Dec	103	0.0783	0.0924	0.00286	22.3	0.0367	26.5	0.000977	0.000977	0.00000551	0.00523	0.00126	0.052	0.0136	0.0000054	15.7	0.0000171	0.000182
2069 Jan	103	0.0783	0.0924	0.00286	22.3	0.0367	26.5	0.000977	0.000977	0.00000551	0.00523	0.00126	0.052	0.0136	0.0000054	15.7	0.0000171	0.000182
2069 Feb	103	0.0783	0.0924	0.00286	22.3	0.0367	26.5	0.000977	0.000977	0.00000551	0.00523	0.00126	0.052	0.0136	0.00000541	15.8	0.0000171	0.000182
2069 Mar	103	0.0783	0.0925	0.00286	22.3	0.0367	26.5	0.000977	0.000977	0.00000551	0.00523	0.00126	0.052	0.0136	0.00000541	15.8	0.0000172	0.000182
2069 Apr	104	0.0783	0.0925	0.00286	22.3	0.0367	26.5	0.000977	0.000977	0.00000551	0.00523	0.00127	0.052	0.0136	0.00000541	15.8	0.0000172	0.000182
2069 May	104	0.0785	0.0927	0.00286	22.4	0.0368	26.6	0.000979	0.000979	0.00000552	0.00524	0.00127	0.0522	0.0137	0.00000542	15.8	0.0000172	0.000183
2069 Jun	103	0.0778	0.0917	0.00284	22.2	0.0365	26.3	0.000975	0.000975	0.0000055	0.00524	0.00126	0.0517	0.0137	0.00000539	15.8	0.0000172	0.000183
2069 Jul	104	0.0781	0.092	0.00285	22.3	0.0366	26.5	0.000979	0.000979	0.00000552	0.00527	0.00127	0.0521	0.0137	0.00000542	15.8	0.0000173	0.000184
2069 Aug	104	0.0784	0.0924	0.00286	22.4	0.0368	26.8	0.000982	0.000982	0.00000554	0.00529	0.00128	0.0525	0.0138	0.00000544	15.9	0.0000174	0.000185
2069 Sep	105	0.0783	0.0921	0.00285	22.3	0.0367	26.8	0.00098	0.00098	0.00000553	0.00529	0.00128	0.0526	0.0137	0.00000542	15.9	0.0000174	0.000184
2069 Oct	104	0.0781	0.0914	0.00283	22.1	0.0365	26.8	0.000975	0.000975	0.00000551	0.00528	0.00128	0.0526	0.0137	0.0000054	15.9	0.0000173	0.000184
2069 Nov	104	0.0781	0.0914	0.00283	22.1	0.0365	26.8	0.000975	0.000975	0.00000551	0.00528	0.00128	0.0526	0.0137	0.0000054	15.9	0.0000173	0.000184
2069 Dec	104	0.0781	0.0914	0.00283	22.1	0.0365	26.8	0.000975	0.000975	0.00000551	0.00528	0.00128	0.0526	0.0137	0.0000054	15.9	0.0000173	0.000184
2070 Jan	104	0.0781	0.0914	0.00283	22.1	0.0365	26.8	0.000975	0.000975	0.00000551	0.00528	0.00128	0.0526	0.0137	0.0000054	15.9	0.0000173	0.000184
2070 Feb	104	0.0781	0.0914	0.00283	22.1	0.0365	26.8	0.000975	0.000975	0.00000551	0.00528	0.00128	0.0526	0.0137	0.0000054	15.9	0.0000173	0.000184
2070 Mar	104	0.0781	0.0914	0.00283	22.1	0.0365	26.8	0.000975	0.000975	0.00000551	0.00528	0.00128	0.0526	0.0137	0.0000054	15.9	0.0000173	0.000184
2070 Apr	104	0.0782	0.0915	0.00283	22.1	0.0365	26.8	0.000975	0.000975	0.00000551	0.00528	0.00128	0.0527	0.0137	0.0000054	15.9	0.0000174	0.000184
2070 May	105	0.0783	0.0915	0.00283	22.2	0.0365	26.8	0.000976	0.000976	0.00000552	0.00529	0.00128	0.0527	0.0138	0.00000541	16	0.0000174	0.000185
2070 Jun	104	0.0778	0.0906	0.00281	22.1	0.0363	26.7	0.000973	0.000973	0.00000549	0.00529	0.00128	0.0523	0.0139	0.00000539	16	0.0000174	0.000185
2070 Jul	105	0.0782	0.0911	0.00282	22.2	0.0365	26.9	0.000978	0.000978	0.00000552	0.00532	0.00129	0.0527	0.0139	0.00000541	16.1	0.0000175	0.000186
2070 Aug	106	0.0786	0.0915	0.00283	22.2	0.0366	27.1	0.000982	0.000982	0.00000555	0.00535	0.0013	0.0531	0.014	0.00000544	16.2	0.0000176	0.000187
2070 Sep	106	0.0785	0.0913	0.00282	22.2	0.0366	27.2	0.00098	0.00098	0.00000554	0.00535	0.0013	0.0533	0.014	0.00000543	16.2	0.0000176	0.000187
2070 Oct	106	0.0784	0.0909	0.00281	22.1	0.0365	27.2	0.000977	0.000977	0.00000553	0.00534	0.0013	0.0532	0.0139	0.00000541	16.2	0.0000176	0.000187
2070 Nov	106	0.0784	0.0909	0.00281	22.1	0.0365	27.2	0.000977	0.000977	0.00000553	0.00534	0.0013	0.0533	0.0139	0.00000541	16.2	0.0000176	0.000187
2070 Dec	106	0.0784	0.0909	0.00281	22.1	0.0365	27.2	0.000977	0.000977	0.00000553	0.00534	0.0013	0.0533	0.0139	0.00000541	16.2	0.0000176	0.000187
2071 Jan	106	0.0784	0.0909	0.00281	22.1	0.0365	27.2	0.000977	0.000977	0.00000553	0.00534	0.0013	0.0533	0.0139	0.00000541	16.2	0.0000176	0.000187
2071 Feb	106	0.0784	0.0909	0.00281	22.1	0.0365	27.2	0.000977	0.000977	0.00000553	0.00534	0.0013	0.0533	0.0139	0.00000541	16.2	0.0000176	0.000187
2071 Mar	106	0.0784	0.0909	0.00281	22.1	0.0365	27.2	0.000977	0.000977	0.00000553	0.00535	0.0013	0.0533	0.0139	0.00000541	16.2	0.0000176	0.000187
2071 Apr	106	0.0784	0.0909	0.00281	22.1	0.0365	27.2	0.000977	0.000977	0.00000553	0.00535	0.0013	0.0533	0.0139	0.00000541	16.2	0.0000176	0.000187
2071 May	106	0.0784	0.0908	0.00281	22.1	0.0365	27.2	0.000977	0.000977	0.00000553	0.00535	0.0013	0.0533	0.014	0.00000541	16.2	0.0000176	0.000187
2071 Jun	105	0.0777	0.0895	0.00278	21.9	0.0361	26.9	0.000971	0.000971	0.00000549	0.00533	0.0013	0.0526	0.0141	0.00000537	16.2	0.0000175	0.000188
2071 Jul	105	0.0778	0.0897	0.00278	21.9	0.0362	27	0.000974	0.000974	0.0000055	0.00535	0.0013	0.0528	0.0141	0.00000539	16.3	0.0000176	0.000189
2071 Aug	106	0.0782	0.0901	0.00279	22	0.0363	27.2	0.000978	0.000978	0.00000553	0.00538	0.00131	0.0532	0.0142	0.00000542	16.3	0.0000177	0.000189
2071 Sep	106	0.0782	0.09	0.00279	22	0.0363	27.2	0.000977	0.000977	0.00000553	0.00538	0.00131	0.0533	0.0142	0.00000541	16.4	0.0000177	0.000189
2071 Oct	106	0.0781	0.0898	0.00278	22	0.0362	27.3	0.000975	0.000975	0.00000552	0.00538	0.00131	0.0534	0.0141	0.0000054	16.3	0.0000177	0.000189
2071 Nov	106	0.0781	0.0897	0.00278	21.9	0.0362	27.3	0.000975	0.000975	0.00000552	0.00538	0.00132	0.0534	0.0141	0.0000054	16.4	0.0000177	0.000189
2071 Dec	106	0.0781	0.0897	0.00278	21.9	0.0362	27.3	0.000975	0.000975	0.00000552	0.00538	0.00132	0.0535	0.0141	0.0000054	16.4	0.0000177	0.000189
2072 Jan	106	0.0781	0.0897	0.00278	22	0.0362	27.3	0.000975	0.000975	0.00000552	0.00538	0.00132	0.0535	0.0141	0.0000054	16.4	0.0000177	0.000189
2072 Feb	106	0.0781	0.0897	0.00278	22	0.0362	27.3	0.000975	0.000975	0.00000552	0.00538	0.00132	0.0535	0.0141	0.0000054	16.4	0.0000177	0.000189
2072 Mar	106	0.0781	0.0897	0.00278	22	0.0362	27.3	0.000975	0.000975	0.00000552	0.00538	0.00132	0.0535	0.0141	0.0000054	16.4	0.0000177	0.000189
2072 Apr	106	0.0782	0.0897	0.00278	22	0.0363	27.3	0.000975	0.000975	0.00000552	0.00538	0.00132	0.0535	0.0141	0.0000054	16.4	0.0000177	0.000189
2072 May	106	0.0783	0.0899	0.00279	22	0.0363	27.4	0.000977	0.000977	0.00000553	0.00539	0.00132	0.0536	0.0142	0.00000541	16.4	0.0000177	0.00019
2072 Jun	106	0.0779	0.0893	0.00277	21.9	0.0362	27.2	0.000976	0.000976	0.00000552	0.0054	0.00132	0.0533	0.0142	0.0000054	16.4	0.0000177	0.00019
2072 Jul	106	0.078	0.0894	0.00278	21.9	0.0363	27.3	0.000978	0.000978	0.00000553	0.00542	0.00132	0.0535	0.0142	0.00000542	16.4	0.0000178	0.00019
2072 Aug	106	0.0779	0.0893	0.00277	21.9	0.0363	27.4	0.000978	0.000978	0.00000554	0.00542	0.00132	0.0536	0.0142	0.00000542	16.4	0.0000178	0.000191
2072 Sep	106	0.0779	0.089	0.00277	21.8	0.0362	27.4	0.000977	0.000977	0.00000553	0.00542	0.00132	0.0537	0.0142	0.00000541	16.4	0.0000178	0.00019
2072 Oct	106	0.0777	0.0885	0.00275	21.7	0.0361	27.4	0.000974	0.000974	0.00000551	0.00542	0.00132	0.0536	0.0142	0.00000539	16.4	0.0000178	0.00019
2072 Nov	106	0.0777	0.0885	0.00275	21.7	0.0361	27.4	0.000973	0.000973	0.00000551	0.00542	0.00132	0.0537	0.0142	0.00000539	16.4	0.0000178	0.00019
2072 Dec	106	0.0777	0.0885	0.00275	21.7	0.0361	27.4	0.000973	0.000973	0.00000551	0.00542	0.00132	0.0537	0.0142	0.00000539	16.4	0.0000178	0.00019
2073 Jan	106	0.0777	0.0885	0.00275	21.7	0.0361	27.4	0.000973	0.000973	0.00000551	0.00542	0.00132	0.0537	0.0142	0.00000539	16.4	0.0000178	0.00019
2073 Feb	106	0.0777	0.0885	0.00275	21.7	0.0361	27.4	0.000973	0.000973	0.00000551	0.00542	0.00132	0.0537	0.0142	0.00000539	16.4	0.0000178	0.00019
2073 Mar	106	0.0777	0.0885	0.00275	21.7	0.0361	27.4	0.000973	0.000973	0.00000551	0.00542	0.00132	0.0537	0.0142	0.00000539	16.4	0.0000178	0.00019
2073 Apr	107	0.0777	0.0886	0.00275	21.8	0.0361	27.5	0.000974	0.000974	0.00000552	0.00543	0.00133	0.0537	0.0142	0.0000054	16.4	0.0000178	0.00019
2073 May	107	0.0778	0.0885	0.00275	21.8	0.0361	27.7	0.000974	0.000974	0.00000552	0.00544	0.00133	0.0541	0.0142	0.0000054	16.5	0.0000179	0.000191
2073 Jun	107	0.0774	0.0877	0.00273	21.6	0.0358	27.7	0.00097	0.00097	0.0000055	0.00544	0.00134	0.0541	0.0143	0.00000538	16.6	0.0000179	0.000192
2073 Jul	108	0.0776	0.088	0.00274	21.7	0.036	27.8	0.000973	0.000973	0.00000552	0.00546	0.00134	0.0544	0.0144	0.0000054	16.7	0.000018	0.000193
2073 Aug	108	0.0779	0.0883	0.00275	21.8	0.0361	28	0.000977	0.000977	0.00000555	0.00549	0.00135	0.0548	0.0144	0.00000542	16.8	0.0000181	0.000194
2073 Sep	109	0.0779	0.0883	0.00274	21.8	0.0361	28.2	0.000977	0.000977	0.00000555	0.00549	0.00136	0.055	0.0144	0.00000542	16.8	0.0000181	0.000194
2073 Oct	109	0.0778	0.0879	0.00273	21.7	0.036	28.2	0.000974	0.000974	0.00000553	0.00549	0.00136	0.0551	0.0144	0.00000541	16.8	0.0000181	0.000193
2073 Nov	109	0.0778	0.0879	0.00273	21.7	0.036	28.3	0.000973	0.000973	0.00000553	0.00549	0.00136	0.0552	0.0144	0.0000054	16.8	0.0000181	0.000193
2073 Dec	109	0.0778	0.0879	0.00273	21.7	0.036	28.3	0.000973	0.000973	0.00000553	0.00549	0.00136	0.0552	0.0144	0.0000054	16.8	0.0000181	0.000193
2074 Jan	109	0.0778	0.0879	0.00273	21.7	0.036	28.3	0.000973	0.000973	0.00000553	0.00549	0.00136	0.0552	0.0144	0.0000054	16.8	0.0000181	0.000193

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2074 Feb	109	0.0778	0.0879	0.00273	21.7	0.036	28.3	0.000973	0.000973	0.00000553	0.00549	0.00136	0.0553	0.0144	0.0000054	16.8	0.0000181	0.000193
2074 Mar	109	0.0778	0.0879	0.00273	21.7	0.036	28.3	0.000973	0.000973	0.00000553	0.00549	0.00136	0.0553	0.0144	0.0000054	16.8	0.0000181	0.000193
2074 Apr	109	0.0778	0.088	0.00274	21.7	0.036	28.3	0.000974	0.000974	0.00000554	0.00549	0.00136	0.0553	0.0144	0.00000541	16.8	0.0000182	0.000194
2074 May	110	0.0779	0.0878	0.00273	21.7	0.0359	28.5	0.000974	0.000974	0.00000554	0.00551	0.00137	0.0556	0.0145	0.00000541	16.9	0.0000182	0.000195
2074 Jun	109	0.0771	0.0864	0.00269	21.4	0.0355	28.4	0.000965	0.000965	0.00000549	0.00549	0.00137	0.0554	0.0146	0.00000536	17	0.0000182	0.000195
2074 Jul	110	0.0774	0.0869	0.0027	21.5	0.0357	28.6	0.00097	0.00097	0.00000552	0.00552	0.00138	0.0558	0.0146	0.00000539	17.1	0.0000183	0.000196
2074 Aug	111	0.0779	0.0874	0.00272	21.7	0.0359	28.9	0.000976	0.000976	0.00000556	0.00556	0.00139	0.0564	0.0147	0.00000543	17.2	0.0000185	0.000198
2074 Sep	112	0.0779	0.0873	0.00271	21.6	0.0358	29.2	0.000974	0.000974	0.00000556	0.00556	0.00139	0.0568	0.0147	0.00000542	17.2	0.0000185	0.000198
2074 Oct	112	0.0779	0.0872	0.00271	21.6	0.0358	29.4	0.000973	0.000973	0.00000556	0.00557	0.0014	0.0573	0.0147	0.00000542	17.3	0.0000186	0.000198
2074 Nov	113	0.078	0.0873	0.00271	21.6	0.0358	29.7	0.000972	0.000972	0.00000556	0.00558	0.00141	0.0577	0.0147	0.00000542	17.3	0.0000186	0.000198
2074 Dec	113	0.078	0.0873	0.00271	21.6	0.0358	29.7	0.000972	0.000972	0.00000556	0.00558	0.00141	0.0578	0.0147	0.00000542	17.3	0.0000187	0.000198
2075 Jan	113	0.078	0.0873	0.00271	21.6	0.0358	29.7	0.000972	0.000972	0.00000556	0.00558	0.00141	0.0578	0.0147	0.00000542	17.3	0.0000187	0.000198
2075 Feb	113	0.078	0.0873	0.00271	21.6	0.0358	29.7	0.000972	0.000972	0.00000556	0.00558	0.00141	0.0579	0.0147	0.00000542	17.3	0.0000187	0.000198
2075 Mar	113	0.078	0.0873	0.00271	21.6	0.0358	29.7	0.000972	0.000972	0.00000556	0.00558	0.00141	0.0579	0.0147	0.00000542	17.3	0.0000187	0.000198
2075 Apr	113	0.078	0.0873	0.00271	21.6	0.0358	29.8	0.000973	0.000973	0.00000557	0.00558	0.00141	0.0579	0.0147	0.00000542	17.3	0.0000187	0.000198
2075 May	114	0.0782	0.0875	0.00272	21.6	0.0358	30	0.000974	0.000974	0.00000558	0.0056	0.00142	0.0584	0.0148	0.00000543	17.4	0.0000188	0.000199
2075 Jun	113	0.0774	0.0864	0.00269	21.4	0.0356	29.7	0.00097	0.00097	0.00000555	0.00559	0.00141	0.0578	0.0147	0.0000054	17.3	0.0000187	0.000198
2075 Jul	113	0.0773	0.0863	0.00269	21.4	0.0356	29.7	0.000971	0.000971	0.00000556	0.00561	0.00141	0.0578	0.0147	0.00000541	17.3	0.0000188	0.000199
2075 Aug	113	0.0776	0.0866	0.0027	21.5	0.0357	29.9	0.000975	0.000975	0.00000558	0.00563	0.00142	0.0582	0.0148	0.00000543	17.4	0.0000188	0.000199
2075 Sep	114	0.0777	0.0867	0.0027	21.5	0.0358	30	0.000976	0.000976	0.00000559	0.00564	0.00142	0.0585	0.0148	0.00000544	17.5	0.0000189	0.0002
2075 Oct	114	0.0777	0.0866	0.0027	21.5	0.0357	30.1	0.000975	0.000975	0.00000558	0.00564	0.00143	0.0586	0.0148	0.00000544	17.5	0.0000189	0.0002
2075 Nov	114	0.0777	0.0867	0.0027	21.5	0.0357	30.2	0.000975	0.000975	0.00000559	0.00565	0.00143	0.0587	0.0148	0.00000544	17.5	0.0000189	0.0002
2075 Dec	114	0.0777	0.0867	0.0027	21.5	0.0357	30.2	0.000975	0.000975	0.00000559	0.00565	0.00143	0.0587	0.0148	0.00000544	17.5	0.0000189	0.0002
2076 Jan	114	0.0777	0.0867	0.0027	21.5	0.0357	30.2	0.000975	0.000975	0.00000559	0.00565	0.00143	0.0588	0.0148	0.00000544	17.5	0.0000189	0.0002
2076 Feb	114	0.0777	0.0867	0.0027	21.5	0.0357	30.2	0.000975	0.000975	0.00000559	0.00565	0.00143	0.0588	0.0148	0.00000544	17.5	0.0000189	0.0002
2076 Mar	114	0.0778	0.0867	0.0027	21.5	0.0358	30.2	0.000975	0.000975	0.00000559	0.00565	0.00143	0.0588	0.0148	0.00000544	17.5	0.0000189	0.0002
2076 Apr	114	0.0778	0.0867	0.0027	21.5	0.0358	30.2	0.000976	0.000976	0.00000559	0.00565	0.00143	0.0588	0.0148	0.00000544	17.5	0.0000189	0.0002
2076 May	114	0.0779	0.0867	0.0027	21.5	0.0358	30.2	0.000977	0.000977	0.0000056	0.00566	0.00143	0.0588	0.0149	0.00000545	17.5	0.000019	0.000201
2076 Jun	113	0.0771	0.0855	0.00267	21.3	0.0354	29.8	0.000971	0.000971	0.00000555	0.00563	0.00142	0.058	0.0149	0.00000541	17.5	0.0000189	0.000201
2076 Jul	114	0.0773	0.0856	0.00267	21.4	0.0355	29.9	0.000973	0.000973	0.00000557	0.00565	0.00143	0.0581	0.015	0.00000542	17.6	0.0000189	0.000202
2076 Aug	114	0.0776	0.086	0.00268	21.5	0.0357	30.1	0.000978	0.000978	0.0000056	0.00568	0.00144	0.0586	0.015	0.00000545	17.7	0.000019	0.000203
2076 Sep	115	0.0778	0.0861	0.00269	21.5	0.0357	30.3	0.000979	0.000979	0.00000561	0.0057	0.00144	0.0589	0.0151	0.00000546	17.7	0.0000191	0.000203
2076 Oct	115	0.0776	0.0859	0.00268	21.4	0.0356	30.4	0.000977	0.000977	0.0000056	0.00569	0.00144	0.059	0.015	0.00000545	17.7	0.0000191	0.000203
2076 Nov	115	0.0776	0.0858	0.00268	21.4	0.0356	30.4	0.000976	0.000976	0.0000056	0.00569	0.00144	0.0591	0.015	0.00000545	17.7	0.0000191	0.000203
2076 Dec	115	0.0776	0.0858	0.00268	21.4	0.0356	30.4	0.000976	0.000976	0.0000056	0.00569	0.00144	0.0592	0.015	0.00000545	17.7	0.0000191	0.000203
2077 Jan	115	0.0776	0.0858	0.00268	21.4	0.0356	30.4	0.000976	0.000976	0.0000056	0.0057	0.00144	0.0592	0.015	0.00000545	17.7	0.0000191	0.000203
2077 Feb	115	0.0776	0.0858	0.00268	21.4	0.0356	30.4	0.000976	0.000976	0.0000056	0.0057	0.00144	0.0592	0.015	0.00000545	17.7	0.0000191	0.000203
2077 Mar	115	0.0776	0.0858	0.00268	21.4	0.0356	30.4	0.000976	0.000976	0.0000056	0.0057	0.00144	0.0592	0.015	0.00000545	17.7	0.0000191	0.000203
2077 Apr	115	0.0777	0.0859	0.00268	21.4	0.0356	30.5	0.000977	0.000977	0.0000056	0.0057	0.00145	0.0592	0.015	0.00000545	17.7	0.0000191	0.000203
2077 May	115	0.0777	0.0859	0.00268	21.5	0.0357	30.5	0.000978	0.000978	0.0000056	0.0057	0.00145	0.0592	0.0151	0.00000545	17.8	0.0000192	0.000203
2077 Jun	115	0.077	0.0847	0.00265	21.3	0.0353	30.2	0.000971	0.000971	0.00000556	0.00568	0.00144	0.0587	0.0151	0.00000541	17.8	0.0000191	0.000203
2077 Jul	115	0.0774	0.0851	0.00266	21.4	0.0355	30.4	0.000976	0.000976	0.0000056	0.00572	0.00145	0.0591	0.0152	0.00000545	17.9	0.0000192	0.000205
2077 Aug	116	0.0778	0.0855	0.00267	21.5	0.0357	30.7	0.000981	0.000981	0.00000563	0.00575	0.00146	0.0595	0.0153	0.00000547	18	0.0000193	0.000206
2077 Sep	116	0.0775	0.0851	0.00266	21.4	0.0355	30.7	0.000978	0.000978	0.00000561	0.00574	0.00146	0.0596	0.0152	0.00000545	17.9	0.0000193	0.000205
2077 Oct	116	0.0775	0.0849	0.00266	21.3	0.0355	30.8	0.000977	0.000977	0.00000561	0.00574	0.00146	0.0598	0.0152	0.00000545	18	0.0000193	0.000205
2077 Nov	116	0.0775	0.085	0.00266	21.4	0.0355	30.8	0.000977	0.000977	0.00000561	0.00575	0.00146	0.0599	0.0152	0.00000545	18	0.0000193	0.000205
2077 Dec	117	0.0775	0.085	0.00266	21.4	0.0355	30.9	0.000977	0.000977	0.00000561	0.00575	0.00147	0.0599	0.0152	0.00000545	18	0.0000193	0.000205
2078 Jan	117	0.0775	0.085	0.00266	21.4	0.0355	30.9	0.000977	0.000977	0.00000561	0.00575	0.00147	0.0599	0.0152	0.00000545	18	0.0000193	0.000205
2078 Feb	117	0.0775	0.085	0.00266	21.4	0.0355	30.9	0.000977	0.000977	0.00000561	0.00575	0.00147	0.0599	0.0152	0.00000545	18	0.0000193	0.000205
2078 Mar	117	0.0775	0.085	0.00266	21.4	0.0355	30.9	0.000977	0.000977	0.00000561	0.00575	0.00147	0.0599	0.0152	0.00000546	18	0.0000193	0.000205
2078 Apr	117	0.0776	0.0851	0.00266	21.4	0.0356	30.9	0.000978	0.000978	0.00000561	0.00575	0.00147	0.06	0.0152	0.00000546	18	0.0000194	0.000206
2078 May	117	0.0775	0.0847	0.00265	21.3	0.0355	31	0.000977	0.000977	0.00000561	0.00576	0.00147	0.0601	0.0153	0.00000546	18.1	0.0000194	0.000207
2078 Jun	116	0.0769	0.0837	0.00262	21.2	0.0351	30.7	0.000971	0.000971	0.00000558	0.00574	0.00147	0.0596	0.0154	0.00000542	18.1	0.0000193	0.000207
2078 Jul	117	0.0774	0.0842	0.00264	21.3	0.0353	31	0.000977	0.000977	0.00000561	0.00578	0.00148	0.06	0.0155	0.00000545	18.2	0.0000195	0.000208
2078 Aug	118	0.0775	0.0844	0.00264	21.4	0.0354	31.2	0.00098	0.00098	0.00000563	0.0058	0.00149	0.0604	0.0155	0.00000547	18.3	0.0000196	0.000209
2078 Sep	118	0.0777	0.0845	0.00265	21.4	0.0355	31.4	0.000981	0.000981	0.00000564	0.00581	0.00149	0.0609	0.0155	0.00000548	18.4	0.0000196	0.000209
2078 Oct	119	0.0776	0.0844	0.00264	21.4	0.0355	31.6	0.00098	0.00098	0.00000564	0.00582	0.0015	0.0613	0.0155	0.00000548	18.4	0.0000197	0.000209
2078 Nov	119	0.0776	0.0844	0.00264	21.4	0.0355	31.7	0.00098	0.00098	0.00000564	0.00582	0.0015	0.0614	0.0155	0.00000548	18.4	0.0000197	0.000209
2078 Dec	119	0.0777	0.0844	0.00264	21.4	0.0355	31.7	0.00098	0.00098	0.00000564	0.00582	0.0015	0.0614	0.0155	0.00000548	18.4	0.0000197	0.00021
2079 Jan	119	0.0777	0.0844	0.00264	21.4	0.0355	31.7	0.00098	0.00098	0.00000564	0.00582	0.0015	0.0614	0.0155	0.00000548	18.4	0.0000197	0.00021
2079 Feb	119	0.0777	0.0844	0.00264	21.4	0.0355	31.7	0.00098	0.00098	0.00000564	0.00582	0.0015	0.0614	0.0155	0.00000548	18.4	0.0000197	0.00021
2079 Mar	119	0.0777	0.0844	0.00264	21.4	0.0355	31.7	0.00098	0.00098	0.00000564	0.00582	0.0015	0.0614	0.0155	0.00000548	18.4	0.0000197	0.00021
2079 Apr	119	0.0777	0.0845	0.00264	21.4	0.0355	31.7	0.00098	0.00098	0.00000565	0.00582	0.0015	0.0615	0.0155	0.00000548	18.4	0.0000197	0.00021
2079 May	119	0.0778	0.0846	0.00265	21.4	0.0355	31.8	0.000982	0.000982	0.00000566	0.00584	0.0015	0.0616	0.0156	0.00000549	18.4	0.0000197	0.00021
2079 Jun	118	0.0769	0.0833	0.00261	21.2	0.0352	31.4	0.000975	0.000975	0.00000561	0.00581	0.00149	0.0608	0.0155	0.00000545	18.3	0.0000196	0.000209
2079 Jul	118	0.0768	0.0832	0.00261	21.1	0.0352	31.4	0.000976	0.000976	0.00000562	0.00582	0.0015	0.0609	0.0156	0.00000546	18.4	0.0000197	0.00021
2079 Aug	119	0.0772	0.0836	0.00262	21.2	0.0353	31.7	0.000981	0.000981	0.00000565	0.00586	0.00151	0.0614	0.0156	0.00000548	18.5	0.0000198	0.000211
2079 Sep	119	0.0771	0.0834	0.00262	21.2	0.0353	31.8	0.000979	0.000979	0.00000564	0.00586	0.00151	0.0616	0.0156	0.00000548	18.5	0.0000198	0.000211
2079 Oct	120	0.077	0.0832	0.00261	21.2	0.0352	31.9	0.000978	0.000978	0.00000564	0.00586	0.00151	0.0617	0.0156	0.00000547	18.5	0.0000198	0.000211
2079 Nov	120	0.077	0.0831	0.00261	21.1	0.0352	31.9	0.000977	0.000977	0.00000563	0.00586	0.00151	0.0617	0.0156	0.00000547	18.5	0.0000198	0.000211
2079 Dec	120	0.077	0.083	0.00261	21.1	0.0352	31.9	0.000977	0.000977	0.00000563	0.00586	0.00151	0.0617	0.0156	0.00000546	18.5	0.0000198	0.000211

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2080 Jan	120	0.077	0.083	0.00261	21.1	0.0352	31.9	0.000977	0.000977	0.00000563	0.00586	0.00151	0.0617	0.0156	0.00000546	18.5	0.0000198	0.000211
2080 Feb	120	0.077	0.083	0.00261	21.1	0.0352	31.9	0.000977	0.000977	0.00000563	0.00586	0.00151	0.0617	0.0156	0.00000546	18.5	0.0000198	0.000211
2080 Mar	120	0.077	0.083	0.00261	21.1	0.0352	31.9	0.000977	0.000977	0.00000563	0.00586	0.00151	0.0618	0.0156	0.00000547	18.5	0.0000198	0.000211
2080 Apr	120	0.077	0.083	0.00261	21.1	0.0352	31.9	0.000977	0.000977	0.00000563	0.00586	0.00151	0.0618	0.0156	0.00000547	18.5	0.0000198	0.000211
2080 May	120	0.0772	0.0832	0.00261	21.2	0.0353	32	0.000979	0.000979	0.00000565	0.00587	0.00151	0.0619	0.0156	0.00000548	18.5	0.0000199	0.000211
2080 Jun	119	0.0767	0.0825	0.0026	21	0.0351	31.7	0.000977	0.000977	0.00000563	0.00587	0.00151	0.0615	0.0156	0.00000546	18.5	0.0000199	0.000211
2080 Jul	119	0.0765	0.0823	0.00259	21	0.0351	31.7	0.000978	0.000978	0.00000563	0.00588	0.00151	0.0615	0.0156	0.00000547	18.5	0.0000199	0.000211
2080 Aug	120	0.0767	0.0825	0.0026	21.1	0.0352	31.9	0.000981	0.000981	0.00000565	0.0059	0.00152	0.0618	0.0156	0.00000548	18.6	0.00002	0.000212
2080 Sep	120	0.0767	0.0824	0.0026	21	0.0352	32	0.00098	0.00098	0.00000565	0.0059	0.00152	0.0619	0.0156	0.00000548	18.6	0.00002	0.000212
2080 Oct	120	0.0766	0.0822	0.00259	21	0.0352	32.1	0.000979	0.000979	0.00000564	0.0059	0.00152	0.0621	0.0156	0.00000547	18.6	0.00002	0.000212
2080 Nov	120	0.0766	0.082	0.00259	21	0.0351	32.1	0.000978	0.000978	0.00000564	0.0059	0.00152	0.0622	0.0156	0.00000547	18.6	0.00002	0.000212
2080 Dec	120	0.0766	0.082	0.00259	21	0.0351	32.1	0.000978	0.000978	0.00000564	0.0059	0.00152	0.0622	0.0156	0.00000547	18.6	0.00002	0.000212
2081 Jan	120	0.0766	0.082	0.00259	21	0.0351	32.1	0.000978	0.000978	0.00000564	0.0059	0.00152	0.0622	0.0156	0.00000547	18.6	0.00002	0.000212
2081 Feb	120	0.0766	0.082	0.00259	21	0.0351	32.1	0.000978	0.000978	0.00000564	0.0059	0.00152	0.0622	0.0156	0.00000547	18.6	0.00002	0.000212
2081 Mar	120	0.0766	0.082	0.00259	21	0.0351	32.1	0.000978	0.000978	0.00000564	0.00591	0.00152	0.0622	0.0156	0.00000547	18.6	0.00002	0.000212
2081 Apr	120	0.0766	0.0821	0.00259	21	0.0352	32.2	0.000978	0.000978	0.00000565	0.00591	0.00152	0.0623	0.0156	0.00000547	18.6	0.00002	0.000212
2081 May	120	0.0766	0.0819	0.00258	21	0.0351	32.1	0.000979	0.000979	0.00000565	0.00592	0.00152	0.0621	0.0157	0.00000548	18.6	0.00002	0.000212
2081 Jun	120	0.0762	0.0812	0.00256	20.9	0.0349	31.9	0.000976	0.000976	0.00000562	0.0059	0.00152	0.0617	0.0158	0.00000545	18.6	0.00002	0.000213
2081 Jul	121	0.0767	0.0817	0.00258	21	0.0352	32.1	0.000982	0.000982	0.00000566	0.00594	0.00153	0.0621	0.0159	0.00000549	18.8	0.0000201	0.000214
2081 Aug	121	0.0772	0.0822	0.0026	21.1	0.0354	32.4	0.000988	0.000988	0.0000057	0.00598	0.00154	0.0627	0.016	0.00000552	18.9	0.0000202	0.000215
2081 Sep	122	0.0772	0.0823	0.0026	21.2	0.0354	32.6	0.000989	0.000989	0.00000571	0.00599	0.00155	0.063	0.016	0.00000553	18.9	0.0000203	0.000216
2081 Oct	122	0.0772	0.0822	0.0026	21.1	0.0354	32.7	0.000988	0.000988	0.00000571	0.006	0.00155	0.0633	0.016	0.00000553	19	0.0000203	0.000216
2081 Nov	122	0.0772	0.0821	0.00259	21.1	0.0354	32.8	0.000987	0.000987	0.0000057	0.006	0.00155	0.0634	0.0159	0.00000553	19	0.0000203	0.000216
2081 Dec	122	0.0772	0.0821	0.00259	21.1	0.0354	32.8	0.000987	0.000987	0.0000057	0.006	0.00155	0.0634	0.0159	0.00000553	19	0.0000203	0.000216
2082 Jan	122	0.0772	0.0821	0.00259	21.1	0.0354	32.8	0.000987	0.000987	0.0000057	0.006	0.00155	0.0634	0.0159	0.00000553	19	0.0000203	0.000216
2082 Feb	122	0.0772	0.0821	0.00259	21.1	0.0354	32.8	0.000987	0.000987	0.0000057	0.006	0.00155	0.0634	0.0159	0.00000553	19	0.0000203	0.000216
2082 Mar	122	0.0772	0.0821	0.00259	21.1	0.0354	32.8	0.000987	0.000987	0.0000057	0.006	0.00155	0.0634	0.016	0.00000553	19	0.0000204	0.000216
2082 Apr	122	0.0772	0.0821	0.00259	21.1	0.0354	32.8	0.000988	0.000988	0.00000571	0.006	0.00155	0.0634	0.016	0.00000553	19	0.0000204	0.000216
2082 May	123	0.0774	0.0823	0.0026	21.2	0.0354	32.9	0.000989	0.000989	0.00000572	0.00601	0.00156	0.0635	0.016	0.00000554	19	0.0000204	0.000216
2082 Jun	122	0.0764	0.0812	0.00257	20.9	0.0351	32.8	0.000983	0.000983	0.00000568	0.006	0.00155	0.0634	0.0159	0.00000551	18.9	0.0000204	0.000215
2082 Jul	122	0.076	0.0807	0.00256	20.8	0.035	32.7	0.000982	0.000982	0.00000568	0.006	0.00155	0.0633	0.0159	0.0000055	18.9	0.0000204	0.000215
2082 Aug	123	0.0764	0.081	0.00257	20.9	0.0352	32.9	0.000986	0.000986	0.0000057	0.00603	0.00156	0.0637	0.0159	0.00000552	19	0.0000205	0.000216
2082 Sep	123	0.0765	0.0811	0.00257	20.9	0.0352	33	0.000988	0.000988	0.00000571	0.00604	0.00156	0.0638	0.0159	0.00000553	19	0.0000205	0.000217
2082 Oct	123	0.0762	0.0806	0.00256	20.8	0.0351	33	0.000984	0.000984	0.00000569	0.00603	0.00156	0.0638	0.0159	0.00000551	19	0.0000205	0.000216
2082 Nov	123	0.0762	0.0807	0.00256	20.8	0.0351	33	0.000984	0.000984	0.00000569	0.00603	0.00156	0.0639	0.0159	0.00000551	19	0.0000205	0.000216
2082 Dec	123	0.0762	0.0807	0.00256	20.8	0.0351	33.1	0.000984	0.000984	0.00000569	0.00603	0.00156	0.0639	0.0159	0.00000551	19	0.0000205	0.000216
2083 Jan	123	0.0762	0.0807	0.00256	20.8	0.0351	33.1	0.000984	0.000984	0.00000569	0.00603	0.00156	0.064	0.0159	0.00000551	19	0.0000205	0.000216
2083 Feb	123	0.0762	0.0807	0.00256	20.8	0.0351	33.1	0.000984	0.000984	0.00000569	0.00603	0.00156	0.064	0.0159	0.00000551	19	0.0000205	0.000216
2083 Mar	123	0.0763	0.0807	0.00256	20.8	0.0351	33.1	0.000984	0.000984	0.00000569	0.00603	0.00156	0.064	0.0159	0.00000551	19	0.0000205	0.000216
2083 Apr	123	0.0763	0.0807	0.00256	20.8	0.0351	33.1	0.000984	0.000984	0.0000057	0.00604	0.00156	0.064	0.0159	0.00000552	19	0.0000205	0.000216
2083 May	124	0.0763	0.0806	0.00256	20.9	0.0351	33.3	0.000985	0.000985	0.00000571	0.00605	0.00157	0.0644	0.016	0.00000552	19.1	0.0000206	0.000217
2083 Jun	123	0.0756	0.0795	0.00253	20.7	0.0347	33.2	0.000978	0.000978	0.00000567	0.00603	0.00157	0.0641	0.016	0.00000548	19.1	0.0000206	0.000217
2083 Jul	124	0.0757	0.0796	0.00253	20.7	0.0348	33.3	0.000981	0.000981	0.00000569	0.00606	0.00158	0.0644	0.0161	0.0000055	19.2	0.0000207	0.000218
2083 Aug	124	0.0758	0.0797	0.00253	20.7	0.0349	33.5	0.000983	0.000983	0.0000057	0.00607	0.00158	0.0647	0.0161	0.00000551	19.3	0.0000207	0.000219
2083 Sep	125	0.0758	0.0796	0.00253	20.7	0.0349	33.7	0.000982	0.000982	0.0000057	0.00608	0.00159	0.065	0.0161	0.00000551	19.3	0.0000208	0.000219
2083 Oct	125	0.0756	0.0791	0.00252	20.6	0.0348	33.7	0.000979	0.000979	0.00000568	0.00607	0.00159	0.065	0.016	0.00000549	19.3	0.0000207	0.000218
2083 Nov	125	0.0756	0.079	0.00251	20.6	0.0347	33.7	0.000978	0.000978	0.00000568	0.00607	0.00159	0.0651	0.016	0.00000549	19.3	0.0000207	0.000218
2083 Dec	125	0.0756	0.079	0.00251	20.6	0.0347	33.7	0.000978	0.000978	0.00000568	0.00607	0.00159	0.0651	0.016	0.00000549	19.3	0.0000207	0.000218
2084 Jan	125	0.0756	0.079	0.00251	20.6	0.0347	33.7	0.000978	0.000978	0.00000568	0.00607	0.00159	0.0651	0.016	0.00000549	19.3	0.0000207	0.000218
2084 Feb	125	0.0756	0.079	0.00251	20.6	0.0347	33.7	0.000978	0.000978	0.00000568	0.00607	0.00159	0.0651	0.016	0.00000549	19.3	0.0000207	0.000218
2084 Mar	125	0.0756	0.079	0.00251	20.6	0.0347	33.7	0.000978	0.000978	0.00000568	0.00607	0.00159	0.0651	0.016	0.00000549	19.3	0.0000207	0.000218
2084 Apr	125	0.0756	0.079	0.00252	20.6	0.0348	33.8	0.000979	0.000979	0.00000569	0.00608	0.00159	0.0652	0.0161	0.00000549	19.3	0.0000208	0.000218
2084 May	125	0.0757	0.0789	0.00251	20.6	0.0347	33.8	0.00098	0.00098	0.00000569	0.00609	0.00159	0.0653	0.0161	0.0000055	19.4	0.0000208	0.000219
2084 Jun	124	0.075	0.0778	0.00248	20.4	0.0344	33.5	0.000973	0.000973	0.00000565	0.00605	0.00158	0.0645	0.0162	0.00000546	19.3	0.0000207	0.000219
2084 Jul	125	0.0752	0.0781	0.00249	20.5	0.0345	33.6	0.000977	0.000977	0.00000567	0.00608	0.00159	0.0649	0.0162	0.00000548	19.4	0.0000208	0.00022
2084 Aug	125	0.0755	0.0783	0.0025	20.6	0.0347	33.8	0.00098	0.00098	0.00000569	0.00611	0.0016	0.0653	0.0163	0.0000055	19.5	0.0000209	0.000221
2084 Sep	126	0.0754	0.0782	0.0025	20.6	0.0346	34	0.00098	0.00098	0.00000569	0.00611	0.0016	0.0655	0.0163	0.0000055	19.5	0.0000209	0.000221
2084 Oct	126	0.0753	0.078	0.00249	20.5	0.0346	34.1	0.000978	0.000978	0.00000569	0.00611	0.0016	0.0657	0.0162	0.00000549	19.5	0.0000209	0.000221
2084 Nov	126	0.0753	0.0779	0.00249	20.5	0.0346	34.1	0.000977	0.000977	0.00000568	0.00611	0.00161	0.0657	0.0162	0.00000549	19.5	0.0000209	0.00022
2084 Dec	126	0.0753	0.0779	0.00249	20.5	0.0346	34.1	0.000977	0.000977	0.00000568	0.00611	0.00161	0.0658	0.0162	0.00000549	19.5	0.0000209	0.00022
2085 Jan	126	0.0753	0.0779	0.00249	20.5	0.0346	34.1	0.000977	0.000977	0.00000568	0.00611	0.00161	0.0658	0.0162	0.00000549	19.5	0.0000209	0.00022
2085 Feb	126	0.0753	0.0779	0.00249	20.5	0.0346	34.1	0.000977	0.000977	0.00000568	0.00611	0.00161	0.0658	0.0162	0.00000549	19.5	0.0000209	0.00022
2085 Mar	126	0.0753	0.0779	0.00249	20.5	0.0346	34.1	0.000977	0.000977	0.00000568	0.00611	0.00161	0.0658	0.0162	0.00000549	19.5	0.0000209	0.00022
2085 Apr	126	0.0753	0.0779	0.00249	20.5	0.0346	34.1	0.000977	0.000977	0.00000569	0.00611	0.00161	0.0658	0.0162	0.00000549	19.5	0.0000209	0.000221
2085 May	126	0.0754	0.0778	0.00249	20.5	0.0346	34.2	0.000978	0.000978	0.00000569	0.00612	0.00161	0.0659	0.0163	0.00000549	19.6	0.000021	0.000221
2085 Jun	126	0.0752	0.0774	0.00247	20.5	0.0344	34.1	0.000977	0.000977	0.00000568	0.00612	0.00161	0.0657	0.0164	0.00000548	19.6	0.000021	0.000222
2085 Jul	127	0.0755	0.0778	0.00249	20.6	0.0346	34.3	0.000982	0.000982	0.00000571	0.00616	0.00162	0.0662	0.0165	0.00000551	19.7	0.0000211	0.000223
2085 Aug	127	0.0755	0.0778	0.00249	20.6	0.0347	34.5	0.000982	0.000982	0.00000572	0.00617	0.00163	0.0665	0.0165	0.00000552	19.8	0.0000212	0.000223
2085 Sep	128	0.0754	0.0775	0.00248	20.5	0.0346	34.7	0.00098	0.00098	0.00000571	0.00616	0.00163	0.0668	0.0164	0.00000551	19.8	0.0000212	0.000223
2085 Oct	128	0.0752	0.0772	0.00247	20.4	0.0345	34.8	0.000978	0.000978	0.0000057	0.00616	0.00163	0.067	0.0164	0.0000055	19.8	0.0000212	0.000223
2085 Nov	128	0.0752	0.077	0.00246	20.4	0.0345	34.8	0.000976	0.000976	0.0000057	0.00616	0.00163	0.0671	0.0164	0.00000549	19.8	0.0000212	0.000223
2085 Dec	128	0.0752	0.077	0.00246	20.4	0.0345	34.9	0.000976	0.000976	0.0000057	0.00616	0.00163	0.0671	0.0164	0.00000549	19.8	0.0000212	0.000223

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2086 Jan	128	0.0752	0.077	0.00246	20.4	0.0345	34.9	0.000976	0.000976	0.0000057	0.00616	0.00163	0.0671	0.0164	0.00000549	19.8	0.0000212	0.000223
2086 Feb	128	0.0752	0.077	0.00246	20.4	0.0345	34.9	0.000976	0.000976	0.0000057	0.00616	0.00163	0.0671	0.0164	0.00000549	19.8	0.0000212	0.000223
2086 Mar	128	0.0752	0.077	0.00246	20.4	0.0345	34.9	0.000976	0.000976	0.0000057	0.00616	0.00163	0.0671	0.0164	0.00000549	19.8	0.0000212	0.000223
2086 Apr	128	0.0752	0.077	0.00247	20.4	0.0345	34.9	0.000977	0.000977	0.0000057	0.00617	0.00163	0.0672	0.0164	0.0000055	19.8	0.0000212	0.000223
2086 May	128	0.0753	0.0771	0.00247	20.4	0.0345	35	0.000979	0.000979	0.00000571	0.00618	0.00164	0.0673	0.0165	0.00000551	19.9	0.0000212	0.000223
2086 Jun	127	0.0746	0.0761	0.00244	20.3	0.0342	34.6	0.000973	0.000973	0.00000567	0.00615	0.00163	0.0666	0.0165	0.00000547	19.8	0.0000211	0.000223
2086 Jul	128	0.0748	0.0762	0.00245	20.3	0.0343	34.8	0.000976	0.000976	0.0000057	0.00618	0.00164	0.067	0.0165	0.00000549	19.9	0.0000213	0.000224
2086 Aug	129	0.075	0.0764	0.00245	20.4	0.0344	35.1	0.000979	0.000979	0.00000572	0.00621	0.00165	0.0675	0.0166	0.00000551	20	0.0000214	0.000225
2086 Sep	129	0.0749	0.0762	0.00245	20.3	0.0344	35.2	0.000978	0.000978	0.00000571	0.00621	0.00165	0.0678	0.0166	0.0000055	20	0.0000214	0.000225
2086 Oct	130	0.0749	0.0761	0.00244	20.3	0.0344	35.4	0.000977	0.000977	0.00000572	0.00621	0.00165	0.0681	0.0166	0.0000055	20	0.0000214	0.000225
2086 Nov	130	0.0749	0.0761	0.00244	20.3	0.0344	35.4	0.000978	0.000978	0.00000572	0.00622	0.00166	0.0681	0.0166	0.00000551	20.1	0.0000214	0.000225
2086 Dec	130	0.0749	0.0761	0.00244	20.3	0.0344	35.4	0.000978	0.000978	0.00000572	0.00622	0.00166	0.0682	0.0166	0.00000551	20.1	0.0000214	0.000225
2087 Jan	130	0.0749	0.0761	0.00244	20.3	0.0344	35.4	0.000978	0.000978	0.00000572	0.00622	0.00166	0.0682	0.0166	0.00000551	20.1	0.0000214	0.000225
2087 Feb	130	0.0749	0.0761	0.00244	20.3	0.0344	35.4	0.000978	0.000978	0.00000572	0.00622	0.00166	0.0682	0.0166	0.00000551	20.1	0.0000214	0.000225
2087 Mar	130	0.0749	0.0761	0.00244	20.3	0.0344	35.4	0.000978	0.000978	0.00000572	0.00622	0.00166	0.0682	0.0166	0.00000551	20.1	0.0000214	0.000225
2087 Apr	130	0.0749	0.0761	0.00245	20.3	0.0344	35.5	0.000978	0.000978	0.00000572	0.00622	0.00166	0.0682	0.0166	0.00000551	20.1	0.0000214	0.000225
2087 May	130	0.0749	0.0761	0.00244	20.3	0.0344	35.4	0.000978	0.000978	0.00000572	0.00622	0.00166	0.0681	0.0166	0.00000551	20.1	0.0000214	0.000226
2087 Jun	129	0.0746	0.0754	0.00243	20.2	0.0342	35.2	0.000975	0.000975	0.0000057	0.00621	0.00165	0.0676	0.0167	0.00000549	20.1	0.0000214	0.000226
2087 Jul	130	0.0748	0.0757	0.00243	20.3	0.0343	35.4	0.000979	0.000979	0.00000572	0.00624	0.00166	0.068	0.0167	0.00000551	20.2	0.0000215	0.000227
2087 Aug	131	0.0751	0.076	0.00244	20.4	0.0345	35.6	0.000984	0.000984	0.00000575	0.00627	0.00167	0.0685	0.0168	0.00000554	20.3	0.0000216	0.000228
2087 Sep	131	0.0753	0.0761	0.00245	20.4	0.0345	35.9	0.000985	0.000985	0.00000577	0.00629	0.00168	0.0689	0.0168	0.00000555	20.4	0.0000217	0.000229
2087 Oct	132	0.0753	0.076	0.00245	20.4	0.0345	36	0.000984	0.000984	0.00000576	0.00629	0.00168	0.0692	0.0168	0.00000555	20.4	0.0000217	0.000229
2087 Nov	132	0.0752	0.076	0.00244	20.4	0.0345	36	0.000984	0.000984	0.00000576	0.00629	0.00168	0.0692	0.0168	0.00000555	20.4	0.0000217	0.000229
2087 Dec	132	0.0752	0.076	0.00244	20.4	0.0345	36.1	0.000984	0.000984	0.00000576	0.00629	0.00168	0.0693	0.0168	0.00000555	20.4	0.0000217	0.000229
2088 Jan	132	0.0752	0.076	0.00244	20.4	0.0345	36.1	0.000984	0.000984	0.00000576	0.00629	0.00168	0.0693	0.0168	0.00000555	20.4	0.0000217	0.000229
2088 Feb	132	0.0752	0.076	0.00244	20.4	0.0345	36.1	0.000984	0.000984	0.00000576	0.00629	0.00168	0.0693	0.0168	0.00000555	20.4	0.0000217	0.000229
2088 Mar	132	0.0753	0.076	0.00244	20.4	0.0345	36.1	0.000984	0.000984	0.00000577	0.00629	0.00168	0.0693	0.0168	0.00000555	20.4	0.0000217	0.000229
2088 Apr	132	0.0753	0.076	0.00245	20.4	0.0346	36.1	0.000985	0.000985	0.00000577	0.0063	0.00169	0.0694	0.0169	0.00000555	20.4	0.0000218	0.000229
2088 May	132	0.0755	0.0762	0.00245	20.5	0.0346	36.2	0.000987	0.000987	0.00000578	0.00631	0.00169	0.0695	0.0169	0.00000557	20.5	0.0000218	0.000229
2088 Jun	131	0.075	0.0756	0.00244	20.4	0.0345	35.9	0.000985	0.000985	0.00000577	0.00631	0.00168	0.0691	0.0169	0.00000555	20.4	0.0000218	0.000229
2088 Jul	132	0.0753	0.0759	0.00245	20.4	0.0346	36.1	0.00099	0.00099	0.0000058	0.00634	0.00169	0.0694	0.0169	0.00000558	20.5	0.0000219	0.00023
2088 Aug	133	0.0758	0.0764	0.00246	20.6	0.0349	36.5	0.000997	0.000997	0.00000584	0.00639	0.00171	0.0701	0.0171	0.00000562	20.7	0.0000221	0.000232
2088 Sep	134	0.0759	0.0765	0.00247	20.6	0.0349	36.7	0.000999	0.000999	0.00000585	0.00641	0.00171	0.0705	0.0171	0.00000563	20.7	0.0000221	0.000232
2088 Oct	134	0.0757	0.0761	0.00246	20.5	0.0348	36.7	0.000995	0.000995	0.00000583	0.00639	0.00171	0.0705	0.017	0.00000561	20.7	0.0000221	0.000232
2088 Nov	134	0.0757	0.0761	0.00246	20.5	0.0348	36.7	0.000995	0.000995	0.00000583	0.00639	0.00171	0.0705	0.017	0.00000561	20.7	0.0000221	0.000232
2088 Dec	134	0.0757	0.0761	0.00246	20.5	0.0348	36.7	0.000995	0.000995	0.00000583	0.00639	0.00171	0.0706	0.017	0.00000561	20.7	0.0000221	0.000232
2089 Jan	134	0.0757	0.0761	0.00246	20.5	0.0348	36.7	0.000995	0.000995	0.00000583	0.00639	0.00171	0.0706	0.017	0.00000561	20.7	0.0000221	0.000232
2089 Feb	134	0.0757	0.0761	0.00246	20.5	0.0348	36.7	0.000995	0.000995	0.00000583	0.00639	0.00171	0.0706	0.017	0.00000561	20.7	0.0000221	0.000232
2089 Mar	134	0.0757	0.0761	0.00246	20.5	0.0348	36.7	0.000995	0.000995	0.00000583	0.0064	0.00171	0.0706	0.017	0.00000561	20.7	0.0000221	0.000232
2089 Apr	134	0.0758	0.0762	0.00246	20.5	0.0348	36.8	0.000996	0.000996	0.00000584	0.0064	0.00171	0.0706	0.017	0.00000561	20.7	0.0000221	0.000232
2089 May	134	0.0758	0.0761	0.00246	20.5	0.0348	36.7	0.000996	0.000996	0.00000584	0.00641	0.00171	0.0706	0.0171	0.00000562	20.8	0.0000222	0.000233
2089 Jun	134	0.0756	0.0756	0.00244	20.5	0.0347	36.5	0.000995	0.000995	0.00000583	0.0064	0.00171	0.0702	0.0172	0.00000561	20.8	0.0000221	0.000233
2089 Jul	135	0.0759	0.0759	0.00245	20.6	0.0349	36.9	0.001	0.001	0.00000586	0.00644	0.00172	0.0708	0.0173	0.00000564	20.9	0.0000223	0.000234
2089 Aug	135	0.0762	0.0762	0.00246	20.6	0.035	37.2	0.001	0.001	0.00000589	0.00647	0.00174	0.0714	0.0173	0.00000566	21	0.0000224	0.000235
2089 Sep	136	0.0762	0.0762	0.00246	20.6	0.035	37.4	0.001	0.001	0.0000059	0.00648	0.00174	0.0718	0.0173	0.00000567	21.1	0.0000225	0.000236
2089 Oct	136	0.076	0.0757	0.00245	20.5	0.0349	37.5	0.001	0.001	0.00000588	0.00647	0.00174	0.0719	0.0173	0.00000565	21.1	0.0000224	0.000235
2089 Nov	136	0.076	0.0757	0.00245	20.5	0.0349	37.5	0.001	0.001	0.00000588	0.00647	0.00174	0.072	0.0173	0.00000565	21.1	0.0000225	0.000235
2089 Dec	136	0.076	0.0757	0.00245	20.5	0.0349	37.5	0.001	0.001	0.00000588	0.00647	0.00174	0.072	0.0173	0.00000565	21.1	0.0000225	0.000235
2090 Jan	136	0.076	0.0757	0.00245	20.5	0.0349	37.5	0.001	0.001	0.00000588	0.00647	0.00174	0.072	0.0173	0.00000565	21.1	0.0000225	0.000235
2090 Feb	136	0.076	0.0757	0.00245	20.5	0.0349	37.5	0.001	0.001	0.00000588	0.00647	0.00174	0.072	0.0173	0.00000565	21.1	0.0000225	0.000235
2090 Mar	136	0.076	0.0757	0.00245	20.5	0.0349	37.5	0.001	0.001	0.00000588	0.00648	0.00174	0.072	0.0173	0.00000565	21.1	0.0000225	0.000235
2090 Apr	136	0.0761	0.0757	0.00245	20.6	0.0349	37.6	0.001	0.001	0.00000588	0.00648	0.00174	0.0721	0.0173	0.00000565	21.1	0.0000225	0.000235
2090 May	137	0.0761	0.0758	0.00245	20.6	0.035	37.7	0.001	0.001	0.00000589	0.00649	0.00175	0.0723	0.0173	0.00000566	21.1	0.0000225	0.000236
2090 Jun	137	0.0754	0.0747	0.00242	20.4	0.0346	37.8	0.000995	0.000995	0.00000586	0.00648	0.00175	0.0725	0.0173	0.00000562	21.2	0.0000225	0.000236
2090 Jul	138	0.0756	0.0749	0.00243	20.4	0.0347	38	0.000999	0.000999	0.00000588	0.00651	0.00176	0.0729	0.0174	0.00000565	21.3	0.0000227	0.000237
2090 Aug	138	0.0755	0.0747	0.00242	20.4	0.0347	38.1	0.000998	0.000998	0.00000588	0.00651	0.00176	0.0731	0.0174	0.00000564	21.3	0.0000227	0.000237
2090 Sep	138	0.0753	0.0743	0.00241	20.3	0.0346	38.2	0.000995	0.000995	0.00000587	0.0065	0.00176	0.0733	0.0173	0.00000563	21.3	0.0000227	0.000236
2090 Oct	138	0.075	0.0737	0.0024	20.2	0.0345	38.1	0.00099	0.00099	0.00000584	0.00649	0.00176	0.0731	0.0173	0.0000056	21.2	0.0000226	0.000235
2090 Nov	137	0.0749	0.0735	0.00239	20.2	0.0344	38.1	0.000989	0.000989	0.00000584	0.00648	0.00176	0.073	0.0173	0.0000056	21.2	0.0000226	0.000235
2090 Dec	138	0.0749	0.0735	0.00239	20.2	0.0344	38.1	0.000989	0.000989	0.00000584	0.00648	0.00176	0.0731	0.0173	0.0000056	21.2	0.0000226	0.000235
2091 Jan	138	0.0749	0.0735	0.00239	20.2	0.0344	38.1	0.000989	0.000989	0.00000584	0.00648	0.00176	0.0731	0.0173	0.0000056	21.2	0.0000226	0.000235
2091 Feb	138	0.0749	0.0735	0.00239	20.2	0.0344	38.1	0.000989	0.000989	0.00000584	0.00648	0.00176	0.0731	0.0173	0.0000056	21.2	0.0000226	0.000235
2091 Mar	138	0.0749	0.0735	0.00239	20.2	0.0344	38.2	0.000989	0.000989	0.00000584	0.00648	0.00176	0.0731	0.0173	0.0000056	21.2	0.0000226	0.000235
2091 Apr	138	0.075	0.0736	0.00239	20.2	0.0344	38.2	0.00099	0.00099	0.00000584	0.00649	0.00176	0.0732	0.0173	0.0000056	21.2	0.0000226	0.000235
2091 May	138	0.0751	0.0736	0.0024	20.2	0.0345	38.2	0.000991	0.000991	0.00000585	0.0065	0.00176	0.0733	0.0173	0.00000561	21.3	0.0000226	0.000236
2091 Jun	137	0.0747	0.0729	0.00238	20.1	0.0343	38	0.000988	0.000988	0.00000583	0.00649	0.00176	0.0727	0.0174	0.00000559	21.3	0.0000226	0.000236
2091 Jul	138	0.0751	0.0733	0.00239	20.2	0.0345	38.3	0.000994	0.000994	0.00000587	0.00653	0.00177	0.0733	0.0175	0.00000562	21.4	0.0000227	0.000238
2091 Aug	139	0.0752	0.0733	0.00239	20.3	0.0345	38.5	0.000995	0.000995	0.00000588	0.00654	0.00178	0.0737	0.0175	0.00000563	21.5	0.0000228	0.000238
2091 Sep	139	0.0751	0.0732	0.00239	20.2	0.0345	38.7	0.000994	0.000994	0.00000588	0.00655	0.00179	0.0741	0.0175	0.00000563	21.5	0.0000228	0.000238
2091 Oct	140	0.0749	0.0728	0.00238	20.1	0.0344	38.8	0.000991	0.000991	0.00000587	0.00654	0.00179	0.0743	0.0175	0.00000562	21.5	0.0000228	0.000238
2091 Nov	139	0.0748	0.0726	0.00237	20.1	0.0344	38.8	0.000989	0.000989	0.00000586	0.00654	0.00178	0.0742	0.0174	0.00000561	21.5	0.0000228	0.000238
2091 Dec	139	0.0748	0.0726	0.00237	20.1	0.0344	38.8	0.000989	0.000989	0.00000586	0.00654	0.00178	0.0743	0.0174	0.00000561	21.5	0.0000228	0.000238

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2092 Jan	140	0.0748	0.0726	0.00237	20.1	0.0344	38.8	0.000989	0.000989	0.00000586	0.00654	0.00179	0.0743	0.0174	0.00000561	21.5	0.0000228	0.000238
2092 Feb	140	0.0748	0.0726	0.00237	20.1	0.0344	38.8	0.000989	0.000989	0.00000586	0.00654	0.00179	0.0743	0.0174	0.00000561	21.5	0.0000228	0.000238
2092 Mar	140	0.0748	0.0726	0.00237	20.1	0.0344	38.8	0.00099	0.00099	0.00000586	0.00654	0.00179	0.0743	0.0174	0.00000561	21.5	0.0000228	0.000238
2092 Apr	140	0.0749	0.0726	0.00237	20.1	0.0344	38.9	0.00099	0.00099	0.00000586	0.00654	0.00179	0.0744	0.0175	0.00000561	21.5	0.0000228	0.000238
2092 May	140	0.0749	0.0726	0.00237	20.1	0.0344	39	0.000992	0.000992	0.00000587	0.00656	0.00179	0.0746	0.0175	0.00000562	21.6	0.0000229	0.000239
2092 Jun	139	0.0739	0.0712	0.00233	19.9	0.0339	38.6	0.000981	0.000981	0.00000581	0.00651	0.00178	0.0738	0.0175	0.00000556	21.5	0.0000228	0.000238
2092 Jul	139	0.0738	0.0711	0.00233	19.9	0.0339	38.7	0.000981	0.000981	0.00000581	0.00652	0.00178	0.074	0.0175	0.00000556	21.5	0.0000228	0.000238
2092 Aug	140	0.0742	0.0714	0.00234	19.9	0.0341	39.1	0.000986	0.000986	0.00000585	0.00656	0.0018	0.0747	0.0176	0.00000559	21.7	0.000023	0.000239
2092 Sep	141	0.0742	0.0714	0.00234	19.9	0.0341	39.4	0.000986	0.000986	0.00000586	0.00657	0.00181	0.0754	0.0176	0.0000056	21.7	0.0000231	0.00024
2092 Oct	142	0.0741	0.0712	0.00233	19.9	0.034	39.7	0.000985	0.000985	0.00000586	0.00658	0.00181	0.0758	0.0176	0.00000559	21.8	0.0000231	0.00024
2092 Nov	142	0.0741	0.0712	0.00233	19.9	0.034	39.8	0.000985	0.000985	0.00000586	0.00658	0.00182	0.076	0.0176	0.00000559	21.8	0.0000231	0.00024
2092 Dec	142	0.0741	0.0712	0.00233	19.9	0.034	39.8	0.000985	0.000985	0.00000586	0.00658	0.00182	0.076	0.0176	0.0000056	21.8	0.0000231	0.00024
2093 Jan	142	0.0741	0.0712	0.00233	19.9	0.034	39.8	0.000985	0.000985	0.00000586	0.00658	0.00182	0.076	0.0176	0.0000056	21.8	0.0000231	0.00024
2093 Feb	142	0.0741	0.0712	0.00233	19.9	0.034	39.8	0.000985	0.000985	0.00000586	0.00658	0.00182	0.076	0.0176	0.0000056	21.8	0.0000231	0.00024
2093 Mar	142	0.0741	0.0712	0.00233	19.9	0.034	39.8	0.000985	0.000985	0.00000586	0.00658	0.00182	0.0761	0.0176	0.0000056	21.8	0.0000231	0.00024
2093 Apr	142	0.0742	0.0713	0.00234	19.9	0.0341	39.8	0.000986	0.000986	0.00000586	0.00659	0.00182	0.0761	0.0176	0.0000056	21.8	0.0000232	0.00024
2093 May	143	0.0743	0.0713	0.00234	20	0.0341	40	0.000987	0.000987	0.00000587	0.0066	0.00182	0.0763	0.0176	0.00000561	21.9	0.0000232	0.000241
2093 Jun	142	0.0738	0.0705	0.00231	19.8	0.0338	39.6	0.000982	0.000982	0.00000584	0.00657	0.00181	0.0756	0.0177	0.00000558	21.8	0.0000231	0.000241
2093 Jul	142	0.074	0.0708	0.00232	19.9	0.034	39.8	0.000986	0.000986	0.00000587	0.00661	0.00182	0.076	0.0178	0.0000056	22	0.0000232	0.000242
2093 Aug	143	0.0743	0.071	0.00233	20	0.0341	40.1	0.00099	0.00099	0.00000589	0.00664	0.00183	0.0766	0.0178	0.00000563	22.1	0.0000234	0.000243
2093 Sep	144	0.0743	0.071	0.00233	20	0.0341	40.3	0.00099	0.00099	0.0000059	0.00665	0.00184	0.077	0.0178	0.00000563	22.1	0.0000234	0.000243
2093 Oct	144	0.074	0.0704	0.00231	19.8	0.0339	40.3	0.000985	0.000985	0.00000587	0.00663	0.00184	0.077	0.0177	0.0000056	22	0.0000234	0.000242
2093 Nov	144	0.0739	0.0702	0.00231	19.8	0.0339	40.3	0.000984	0.000984	0.00000586	0.00662	0.00184	0.077	0.0177	0.00000559	22	0.0000233	0.000242
2093 Dec	144	0.0739	0.0702	0.00231	19.8	0.0339	40.3	0.000984	0.000984	0.00000586	0.00662	0.00184	0.077	0.0177	0.0000056	22	0.0000233	0.000242
2094 Jan	144	0.0739	0.0702	0.00231	19.8	0.0339	40.4	0.000984	0.000984	0.00000587	0.00662	0.00184	0.077	0.0177	0.0000056	22	0.0000233	0.000242
2094 Feb	144	0.0739	0.0702	0.00231	19.8	0.0339	40.4	0.000984	0.000984	0.00000587	0.00662	0.00184	0.077	0.0177	0.0000056	22	0.0000233	0.000242
2094 Mar	144	0.0739	0.0702	0.00231	19.8	0.0339	40.4	0.000984	0.000984	0.00000587	0.00663	0.00184	0.077	0.0177	0.0000056	22	0.0000234	0.000242
2094 Apr	144	0.074	0.0703	0.00231	19.8	0.0339	40.4	0.000984	0.000984	0.00000587	0.00663	0.00184	0.0771	0.0177	0.0000056	22.1	0.0000234	0.000242
2094 May	144	0.0739	0.0701	0.00231	19.8	0.0339	40.5	0.000984	0.000984	0.00000587	0.00663	0.00184	0.0772	0.0178	0.0000056	22.1	0.0000234	0.000242
2094 Jun	144	0.0738	0.0698	0.0023	19.8	0.0338	40.5	0.000983	0.000983	0.00000587	0.00664	0.00185	0.0772	0.0179	0.00000559	22.2	0.0000234	0.000243
2094 Jul	145	0.0743	0.0702	0.00231	19.9	0.034	40.9	0.00099	0.00099	0.00000591	0.00669	0.00186	0.078	0.018	0.00000563	22.4	0.0000236	0.000245
2094 Aug	147	0.0748	0.0707	0.00233	20	0.0343	41.4	0.000997	0.000997	0.00000595	0.00674	0.00188	0.0788	0.0181	0.00000567	22.5	0.0000238	0.000247
2094 Sep	148	0.0748	0.0706	0.00233	20	0.0343	41.6	0.000996	0.000996	0.00000596	0.00675	0.00188	0.0793	0.0181	0.00000568	22.6	0.0000239	0.000247
2094 Oct	148	0.0746	0.0703	0.00232	20	0.0342	41.8	0.000993	0.000993	0.00000595	0.00674	0.00189	0.0796	0.018	0.00000566	22.6	0.0000239	0.000246
2094 Nov	148	0.0744	0.07	0.00231	19.9	0.0341	41.8	0.00099	0.00099	0.00000593	0.00674	0.00189	0.0797	0.018	0.00000565	22.6	0.0000239	0.000246
2094 Dec	148	0.0744	0.0699	0.00231	19.9	0.0341	41.9	0.00099	0.00099	0.00000593	0.00674	0.00189	0.0798	0.018	0.00000565	22.6	0.0000239	0.000246
2095 Jan	148	0.0744	0.0699	0.00231	19.9	0.0341	41.9	0.00099	0.00099	0.00000593	0.00674	0.00189	0.0798	0.018	0.00000565	22.6	0.0000239	0.000246
2095 Feb	148	0.0744	0.0699	0.00231	19.9	0.0341	41.9	0.00099	0.00099	0.00000593	0.00674	0.00189	0.0798	0.018	0.00000565	22.6	0.0000239	0.000246
2095 Mar	148	0.0744	0.07	0.00231	19.9	0.0341	41.9	0.00099	0.00099	0.00000593	0.00674	0.00189	0.0798	0.018	0.00000565	22.6	0.0000239	0.000246
2095 Apr	148	0.0745	0.07	0.00231	19.9	0.0341	41.9	0.000991	0.000991	0.00000594	0.00674	0.00189	0.0799	0.018	0.00000565	22.6	0.0000239	0.000246
2095 May	148	0.0745	0.0699	0.00231	19.9	0.0341	41.8	0.000991	0.000991	0.00000594	0.00674	0.00189	0.0797	0.0181	0.00000565	22.6	0.0000239	0.000247
2095 Jun	148	0.0745	0.0698	0.0023	19.9	0.0341	41.8	0.000992	0.000992	0.00000594	0.00676	0.00189	0.0796	0.0182	0.00000566	22.7	0.000024	0.000248
2095 Jul	149	0.075	0.0702	0.00232	20.1	0.0343	42.1	0.000999	0.000999	0.00000599	0.00681	0.00191	0.0803	0.0183	0.0000057	22.9	0.0000241	0.000249
2095 Aug	150	0.075	0.0702	0.00232	20	0.0343	42.3	0.001	0.001	0.00000599	0.00681	0.00191	0.0806	0.0183	0.0000057	22.9	0.0000242	0.00025
2095 Sep	150	0.075	0.0702	0.00232	20	0.0343	42.5	0.001	0.001	0.000006	0.00682	0.00192	0.081	0.0183	0.00000571	23	0.0000242	0.00025
2095 Oct	151	0.075	0.0701	0.00232	20	0.0343	42.7	0.001	0.001	0.000006	0.00683	0.00192	0.0814	0.0183	0.00000571	23	0.0000243	0.00025
2095 Nov	151	0.0749	0.07	0.00231	20	0.0343	42.8	0.000998	0.000998	0.000006	0.00683	0.00192	0.0815	0.0183	0.0000057	23	0.0000243	0.00025
2095 Dec	151	0.0749	0.07	0.00231	20	0.0343	42.8	0.000998	0.000998	0.000006	0.00683	0.00192	0.0815	0.0183	0.0000057	23	0.0000243	0.00025
2096 Jan	151	0.0749	0.07	0.00231	20	0.0343	42.8	0.000998	0.000998	0.000006	0.00683	0.00192	0.0816	0.0183	0.0000057	23	0.0000243	0.00025
2096 Feb	151	0.075	0.07	0.00231	20	0.0343	42.8	0.000998	0.000998	0.000006	0.00683	0.00192	0.0816	0.0183	0.0000057	23	0.0000243	0.00025
2096 Mar	151	0.075	0.07	0.00231	20	0.0343	42.8	0.000998	0.000998	0.000006	0.00683	0.00192	0.0816	0.0183	0.0000057	23	0.0000243	0.00025
2096 Apr	151	0.075	0.07	0.00231	20	0.0343	42.9	0.000999	0.000999	0.000006	0.00684	0.00193	0.0816	0.0183	0.00000571	23	0.0000243	0.00025
2096 May	152	0.0751	0.07	0.00231	20	0.0343	43.1	0.001	0.001	0.00000601	0.00685	0.00193	0.082	0.0183	0.00000571	23.1	0.0000244	0.000251
2096 Jun	151	0.0741	0.0688	0.00228	19.8	0.0339	42.9	0.000991	0.000991	0.00000596	0.00681	0.00192	0.0815	0.0183	0.00000567	23	0.0000243	0.00025
2096 Jul	152	0.0743	0.0689	0.00229	19.8	0.034	43	0.000995	0.000995	0.00000599	0.00684	0.00193	0.0819	0.0183	0.00000569	23.1	0.0000244	0.000251
2096 Aug	153	0.0747	0.0693	0.0023	20	0.0342	43.4	0.001	0.001	0.00000602	0.00689	0.00195	0.0826	0.0184	0.00000572	23.3	0.0000246	0.000252
2096 Sep	153	0.0746	0.0691	0.00229	19.9	0.0342	43.6	0.000999	0.000999	0.00000602	0.00689	0.00195	0.0828	0.0184	0.00000572	23.3	0.0000246	0.000252
2096 Oct	153	0.0744	0.0687	0.00228	19.8	0.0341	43.6	0.000995	0.000995	0.000006	0.00688	0.00195	0.0829	0.0183	0.0000057	23.2	0.0000246	0.000251
2096 Nov	153	0.0744	0.0686	0.00228	19.8	0.0341	43.6	0.000995	0.000995	0.000006	0.00688	0.00195	0.083	0.0183	0.00000569	23.2	0.0000246	0.000251
2096 Dec	153	0.0744	0.0686	0.00228	19.8	0.0341	43.6	0.000995	0.000995	0.000006	0.00688	0.00195	0.083	0.0183	0.0000057	23.2	0.0000246	0.000251
2097 Jan	153	0.0744	0.0686	0.00228	19.8	0.0341	43.6	0.000995	0.000995	0.000006	0.00688	0.00195	0.083	0.0183	0.0000057	23.2	0.0000246	0.000251
2097 Feb	153	0.0744	0.0686	0.00228	19.8	0.0341	43.6	0.000995	0.000995	0.000006	0.00688	0.00195	0.083	0.0183	0.0000057	23.2	0.0000246	0.000251
2097 Mar	153	0.0744	0.0686	0.00228	19.8	0.0341	43.6	0.000995	0.000995	0.000006	0.00688	0.00195	0.083	0.0183	0.0000057	23.2	0.0000246	0.000251
2097 Apr	153	0.0745	0.0687	0.00228	19.8	0.0341	43.7	0.000996	0.000996	0.00000601	0.00688	0.00195	0.0831	0.0184	0.0000057	23.3	0.0000246	0.000251
2097 May	153	0.0746	0.0687	0.00228	19.9	0.0341	43.7	0.000998	0.000998	0.00000602	0.0069	0.00195	0.0832	0.0184	0.00000571	23.3	0.0000246	0.000252
2097 Jun	153	0.0744	0.0683	0.00227	19.8	0.034	43.5	0.000996	0.000996	0.000006	0.00689	0.00195	0.0827	0.0185	0.0000057	23.3	0.0000246	0.000253
2097 Jul	154	0.0748	0.0687	0.00229	19.9	0.0342	43.8	0.001	0.001	0.00000604	0.00694	0.00196	0.0833	0.0186	0.00000573	23.5	0.0000248	0.000254
2097 Aug	155	0.0751	0.069	0.00229	20	0.0344	44.1	0.00101	0.00101	0.00000607	0.00697	0.00197	0.0838	0.0187	0.00000576	23.6	0.0000249	0.000255
2097 Sep	155	0.0752	0.0691	0.0023	20	0.0344	44.3	0.00101	0.00101	0.00000608	0.00698	0.00198	0.0842	0.0187	0.00000577	23.7	0.000025	0.000256
2097 Oct	155	0.0752	0.0689	0.00229	20	0.0344	44.3	0.00101	0.00101	0.00000608	0.00698	0.00198	0.0843	0.0187	0.00000576	23.6	0.000025	0.000255
2097 Nov	155	0.0751	0.0688	0.00229	20	0.0344	44.4	0.00101	0.00101	0.00000607	0.00698	0.00198	0.0843	0.0187	0.00000576	23.6	0.0000249	0.000255

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2097 Dec	155	0.0751	0.0688	0.00229	20	0.0344	44.4	0.00101	0.00101	0.00000607	0.00698	0.00198	0.0843	0.0187	0.00000576	23.6	0.0000249	0.000255
2098 Jan	155	0.0751	0.0688	0.00229	20	0.0344	44.4	0.00101	0.00101	0.00000607	0.00698	0.00198	0.0843	0.0187	0.00000576	23.6	0.0000249	0.000255
2098 Feb	155	0.0751	0.0688	0.00229	20	0.0344	44.4	0.00101	0.00101	0.00000607	0.00698	0.00198	0.0843	0.0187	0.00000576	23.6	0.000025	0.000255
2098 Mar	155	0.0751	0.0688	0.00229	20	0.0344	44.4	0.00101	0.00101	0.00000607	0.00698	0.00198	0.0843	0.0187	0.00000576	23.6	0.000025	0.000255
2098 Apr	156	0.0752	0.0688	0.00229	20	0.0344	44.4	0.00101	0.00101	0.00000607	0.00698	0.00198	0.0844	0.0187	0.00000576	23.7	0.000025	0.000255
2098 May	155	0.0752	0.0687	0.00229	20	0.0344	44.3	0.00101	0.00101	0.00000607	0.00698	0.00198	0.0842	0.0187	0.00000576	23.7	0.000025	0.000256
2098 Jun	153	0.0744	0.0676	0.00226	19.8	0.034	43.6	0.000998	0.000998	0.00000602	0.00693	0.00196	0.0828	0.0187	0.00000571	23.6	0.0000247	0.000255
2098 Jul	155	0.0749	0.0681	0.00227	20	0.0342	43.9	0.00101	0.00101	0.00000606	0.00698	0.00198	0.0835	0.0189	0.00000575	23.7	0.0000249	0.000257
2098 Aug	155	0.075	0.0681	0.00227	20	0.0343	44.2	0.00101	0.00101	0.00000607	0.007	0.00199	0.0839	0.0189	0.00000576	23.8	0.000025	0.000258
2098 Sep	155	0.0747	0.0677	0.00226	19.9	0.0341	44.2	0.001	0.001	0.00000605	0.00698	0.00198	0.084	0.0188	0.00000574	23.8	0.0000249	0.000257
2098 Oct	155	0.0745	0.0672	0.00225	19.8	0.034	44.3	0.000999	0.000999	0.00000604	0.00697	0.00198	0.0841	0.0188	0.00000572	23.7	0.0000249	0.000256
2098 Nov	155	0.0744	0.0671	0.00224	19.7	0.034	44.3	0.000998	0.000998	0.00000603	0.00697	0.00198	0.0841	0.0187	0.00000571	23.7	0.0000249	0.000256
2098 Dec	155	0.0744	0.0671	0.00224	19.7	0.034	44.3	0.000998	0.000998	0.00000603	0.00697	0.00198	0.0841	0.0187	0.00000571	23.7	0.0000249	0.000256
2099 Jan	155	0.0744	0.0671	0.00224	19.7	0.034	44.3	0.000998	0.000998	0.00000603	0.00697	0.00198	0.0841	0.0187	0.00000571	23.7	0.0000249	0.000256
2099 Feb	155	0.0744	0.0671	0.00224	19.7	0.034	44.3	0.000998	0.000998	0.00000603	0.00697	0.00198	0.0842	0.0187	0.00000571	23.7	0.0000249	0.000256
2099 Mar	155	0.0744	0.0671	0.00225	19.7	0.034	44.3	0.000998	0.000998	0.00000603	0.00697	0.00198	0.0842	0.0187	0.00000572	23.7	0.0000249	0.000256
2099 Apr	156	0.0745	0.0672	0.00225	19.8	0.034	44.4	0.000999	0.000999	0.00000604	0.00698	0.00199	0.0843	0.0188	0.00000572	23.8	0.0000249	0.000256
2099 May	155	0.0744	0.0667	0.00223	19.7	0.0339	44.1	0.000996	0.000996	0.00000602	0.00696	0.00198	0.0836	0.0189	0.0000057	23.8	0.0000249	0.000257
2099 Jun	154	0.0741	0.0663	0.00222	19.7	0.0337	43.9	0.000993	0.000993	0.000006	0.00694	0.00198	0.0832	0.0189	0.00000568	23.7	0.0000248	0.000257
2099 Jul	155	0.0745	0.0666	0.00223	19.8	0.0339	44.2	0.000999	0.000999	0.00000603	0.00699	0.00199	0.0839	0.019	0.00000572	23.9	0.000025	0.000258
2099 Aug	157	0.0748	0.0669	0.00224	19.9	0.0341	44.6	0.001	0.001	0.00000607	0.00703	0.002	0.0846	0.0191	0.00000575	24.1	0.0000251	0.00026
2099 Sep	157	0.0747	0.0667	0.00224	19.8	0.034	44.7	0.001	0.001	0.00000606	0.00702	0.002	0.0847	0.0191	0.00000574	24	0.0000251	0.000259
2099 Oct	157	0.0745	0.0664	0.00223	19.8	0.034	44.7	0.001	0.001	0.00000605	0.00701	0.002	0.0848	0.019	0.00000573	24	0.0000251	0.000259
2099 Nov	157	0.0744	0.0663	0.00222	19.7	0.0339	44.7	0.000998	0.000998	0.00000604	0.00701	0.002	0.0848	0.019	0.00000572	24	0.0000251	0.000259
2099 Dec	157	0.0744	0.0663	0.00222	19.7	0.0339	44.7	0.000998	0.000998	0.00000604	0.00701	0.002	0.0848	0.019	0.00000572	24	0.0000251	0.000259
2100 Jan	157	0.0744	0.0663	0.00222	19.7	0.0339	44.7	0.000998	0.000998	0.00000604	0.00701	0.002	0.0849	0.019	0.00000572	24	0.0000251	0.000259
2100 Feb	157	0.0744	0.0663	0.00222	19.7	0.0339	44.8	0.000998	0.000998	0.00000604	0.00701	0.002	0.0849	0.019	0.00000572	24	0.0000251	0.000259
2100 Mar	157	0.0745	0.0663	0.00222	19.7	0.0339	44.8	0.000998	0.000998	0.00000604	0.00701	0.002	0.0849	0.019	0.00000572	24	0.0000251	0.000259
2100 Apr	157	0.0745	0.0663	0.00223	19.7	0.0339	44.8	0.000999	0.000999	0.00000605	0.00701	0.00201	0.0849	0.019	0.00000572	24	0.0000251	0.000259
2100 May	157	0.0745	0.0662	0.00222	19.7	0.0339	44.9	0.000999	0.000999	0.00000605	0.00702	0.00201	0.0851	0.0191	0.00000573	24.1	0.0000252	0.00026
2100 Jun	156	0.0738	0.0652	0.0022	19.6	0.0336	44.3	0.000992	0.000992	0.000006	0.00697	0.00199	0.084	0.0191	0.00000568	24	0.000025	0.000259
2100 Jul	156	0.0739	0.0653	0.0022	19.6	0.0336	44.5	0.000993	0.000993	0.00000601	0.00699	0.002	0.0843	0.0191	0.00000569	24	0.000025	0.000259
2100 Aug	156	0.0738	0.0651	0.00219	19.6	0.0336	44.6	0.000993	0.000993	0.00000601	0.00699	0.002	0.0845	0.0191	0.00000569	24.1	0.000025	0.000259
2100 Sep	157	0.0738	0.0651	0.00219	19.6	0.0336	44.7	0.000993	0.000993	0.00000601	0.007	0.00201	0.0848	0.0191	0.00000569	24.1	0.0000251	0.000259
2100 Oct	157	0.0738	0.065	0.00219	19.6	0.0336	44.9	0.000993	0.000993	0.00000602	0.007	0.00201	0.085	0.0191	0.00000569	24.1	0.0000251	0.00026
2100 Nov	157	0.0738	0.065	0.00219	19.6	0.0336	44.9	0.000993	0.000993	0.00000602	0.00701	0.00201	0.085	0.0191	0.00000569	24.1	0.0000251	0.00026
2100 Dec	157	0.0738	0.065	0.00219	19.6	0.0336	44.9	0.000993	0.000993	0.00000602	0.00701	0.00201	0.0851	0.0191	0.00000569	24.1	0.0000251	0.00026
2101 Jan	157	0.0738	0.065	0.00219	19.6	0.0336	44.9	0.000993	0.000993	0.00000602	0.00701	0.00201	0.0851	0.0191	0.00000569	24.1	0.0000251	0.00026
2101 Feb	157	0.0738	0.065	0.00219	19.6	0.0336	44.9	0.000993	0.000993	0.00000602	0.00701	0.00201	0.0851	0.0191	0.00000569	24.1	0.0000251	0.00026
2101 Mar	157	0.0738	0.065	0.00219	19.6	0.0336	44.9	0.000993	0.000993	0.00000602	0.00701	0.00201	0.0851	0.0191	0.00000569	24.1	0.0000251	0.00026
2101 Apr	157	0.0738	0.0651	0.00219	19.6	0.0336	44.9	0.000994	0.000994	0.00000602	0.00701	0.00201	0.0852	0.0191	0.0000057	24.1	0.0000252	0.00026
2101 May	157	0.0739	0.065	0.00219	19.6	0.0336	44.9	0.000994	0.000994	0.00000602	0.00702	0.00201	0.085	0.0192	0.0000057	24.2	0.0000252	0.00026
2101 Jun	156	0.0735	0.0644	0.00217	19.5	0.0334	44.5	0.00099	0.00099	0.00000599	0.00699	0.002	0.0843	0.0192	0.00000567	24.1	0.000025	0.00026
2101 Jul	157	0.0739	0.0648	0.00219	19.6	0.0336	44.9	0.000996	0.000996	0.00000603	0.00704	0.00202	0.085	0.0193	0.00000571	24.3	0.0000252	0.000262
2101 Aug	159	0.0743	0.0651	0.0022	19.7	0.0338	45.2	0.001	0.001	0.00000607	0.00708	0.00203	0.0856	0.0194	0.00000574	24.4	0.0000254	0.000263
2101 Sep	159	0.0742	0.065	0.00219	19.7	0.0338	45.4	0.001	0.001	0.00000607	0.00708	0.00204	0.0859	0.0194	0.00000574	24.5	0.0000254	0.000263
2101 Oct	159	0.0742	0.0649	0.00219	19.7	0.0338	45.5	0.001	0.001	0.00000607	0.00708	0.00204	0.0862	0.0194	0.00000574	24.5	0.0000254	0.000263
2101 Nov	159	0.0741	0.0647	0.00219	19.6	0.0337	45.5	0.000998	0.000998	0.00000606	0.00708	0.00204	0.0862	0.0193	0.00000572	24.5	0.0000254	0.000263
2101 Dec	159	0.0741	0.0647	0.00219	19.6	0.0337	45.5	0.000998	0.000998	0.00000606	0.00708	0.00204	0.0862	0.0193	0.00000572	24.5	0.0000254	0.000263
2102 Jan	159	0.0741	0.0647	0.00219	19.6	0.0337	45.5	0.000998	0.000998	0.00000606	0.00708	0.00204	0.0862	0.0193	0.00000572	24.5	0.0000254	0.000263
2102 Feb	159	0.0741	0.0647	0.00219	19.6	0.0337	45.5	0.000998	0.000998	0.00000606	0.00708	0.00204	0.0862	0.0193	0.00000572	24.5	0.0000254	0.000263
2102 Mar	159	0.0741	0.0647	0.00219	19.6	0.0337	45.6	0.000998	0.000998	0.00000606	0.00708	0.00204	0.0862	0.0193	0.00000572	24.5	0.0000254	0.000263
2102 Apr	159	0.0741	0.0647	0.00219	19.6	0.0337	45.6	0.000998	0.000998	0.00000606	0.00708	0.00204	0.0863	0.0193	0.00000573	24.5	0.0000254	0.000263
2102 May	160	0.0742	0.0648	0.00219	19.6	0.0338	45.6	0.001	0.001	0.00000607	0.00709	0.00204	0.0864	0.0194	0.00000574	24.5	0.0000255	0.000263
2102 Jun	158	0.0734	0.064	0.00217	19.4	0.0335	45.3	0.000994	0.000994	0.00000604	0.00706	0.00203	0.0858	0.0193	0.0000057	24.3	0.0000254	0.000262
2102 Jul	158	0.0732	0.0638	0.00216	19.4	0.0335	45.2	0.000995	0.000995	0.00000604	0.00707	0.00203	0.0856	0.0192	0.0000057	24.3	0.0000254	0.000262
2102 Aug	159	0.0735	0.0639	0.00217	19.5	0.0336	45.4	0.000998	0.000998	0.00000606	0.0071	0.00204	0.086	0.0193	0.00000572	24.4	0.0000255	0.000263
2102 Sep	159	0.0735	0.0639	0.00217	19.5	0.0336	45.5	0.000999	0.000999	0.00000606	0.00711	0.00204	0.0862	0.0193	0.00000573	24.5	0.0000255	0.000263
2102 Oct	159	0.0733	0.0636	0.00216	19.4	0.0335	45.4	0.000995	0.000995	0.00000604	0.00709	0.00203	0.086	0.0192	0.00000571	24.4	0.0000254	0.000262
2102 Nov	159	0.0733	0.0636	0.00216	19.4	0.0335	45.4	0.000995	0.000995	0.00000604	0.00709	0.00203	0.0861	0.0193	0.00000571	24.4	0.0000254	0.000262
2102 Dec	159	0.0733	0.0636	0.00216	19.4	0.0335	45.5	0.000995	0.000995	0.00000604	0.00709	0.00203	0.0861	0.0193	0.00000571	24.4	0.0000255	0.000262
2103 Jan	159	0.0733	0.0636	0.00216	19.4	0.0335	45.5	0.000995	0.000995	0.00000604	0.00709	0.00203	0.0861	0.0193	0.00000571	24.4	0.0000255	0.000262
2103 Feb	159	0.0733	0.0636	0.00216	19.4	0.0335	45.5	0.000995	0.000995	0.00000604	0.00709	0.00203	0.0861	0.0193	0.00000571	24.4	0.0000255	0.000262
2103 Mar	159	0.0733	0.0636	0.00216	19.4	0.0335	45.5	0.000995	0.000995	0.00000605	0.00709	0.00203	0.0861	0.0193	0.00000571	24.4	0.0000255	0.000262
2103 Apr	159	0.0734	0.0636	0.00216	19.4	0.0335	45.5	0.000996	0.000996	0.00000605	0.00709	0.00204	0.0862	0.0193	0.00000571	24.4	0.0000255	0.000262
2103 May	159	0.0734	0.0636	0.00216	19.4	0.0335	45.7	0.000997	0.000997	0.00000606	0.00711	0.00204	0.0865	0.0193	0.00000572	24.5	0.0000255	0.000263
2103 Jun	158	0.0727	0.0626	0.00213	19.2	0.0332	45.4	0.000989	0.000989	0.00000601	0.00707	0.00203	0.0858	0.0193	0.00000568	24.4	0.0000254	0.000262
2103 Jul	159	0.0728	0.0627	0.00214	19.3	0.0332	45.5	0.000992	0.000992	0.00000603	0.00709	0.00204	0.0861	0.0194	0.00000569	24.5	0.0000255	0.000263
2103 Aug	159	0.0728	0.0626	0.00214	19.3	0.0333	45.6	0.000993	0.000993	0.00000604	0.0071	0.00204	0.0864	0.0194	0.0000057	24.5	0.0000255	0.000263
2103 Sep	160	0.0727	0.0625	0.00213	19.2	0.0332	45.7	0.000991	0.000991	0.00000603	0.0071	0.00205	0.0865	0.0193	0.00000569	24.5	0.0000255	0.000263
2103 Oct	159	0.0724	0.062	0.00212	19.1	0.0331	45.6	0.000987	0.000987	0.00000601	0.00708	0.00204	0.0863	0.0193	0.00000567	24.5	0.0000255	0.000262
2103 Nov	159	0.0724	0.0619	0.00212	19.1	0.0331	45.6	0.000986	0.000986	0.000006	0.00708	0.00204	0.0863	0.0193	0.00000566	24.4	0.0000254	0.000262

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2103 Dec	159	0.0724	0.0619	0.00212	19.1	0.0331	45.6	0.000986	0.000986	0.000006	0.00708	0.00204	0.0863	0.0193	0.00000566	24.4	0.0000254	0.000262
2104 Jan	159	0.0724	0.0619	0.00212	19.1	0.0331	45.6	0.000986	0.000986	0.000006	0.00708	0.00204	0.0863	0.0193	0.00000566	24.4	0.0000254	0.000262
2104 Feb	159	0.0724	0.0619	0.00212	19.1	0.0331	45.6	0.000987	0.000987	0.000006	0.00708	0.00204	0.0863	0.0193	0.00000566	24.4	0.0000254	0.000262
2104 Mar	159	0.0724	0.0619	0.00212	19.1	0.0331	45.6	0.000987	0.000987	0.00000601	0.00708	0.00204	0.0863	0.0193	0.00000566	24.4	0.0000255	0.000262
2104 Apr	159	0.0725	0.062	0.00212	19.1	0.0331	45.7	0.000987	0.000987	0.00000601	0.00708	0.00204	0.0864	0.0193	0.00000567	24.5	0.0000255	0.000262
2104 May	159	0.0725	0.0618	0.00212	19.1	0.0331	45.7	0.000988	0.000988	0.00000601	0.00709	0.00204	0.0864	0.0194	0.00000567	24.5	0.0000255	0.000263
2104 Jun	158	0.0719	0.0611	0.00209	19	0.0328	45.2	0.000981	0.000981	0.00000597	0.00705	0.00203	0.0854	0.0193	0.00000563	24.4	0.0000253	0.000262
2104 Jul	159	0.0721	0.0613	0.0021	19.1	0.0329	45.4	0.000986	0.000986	0.00000599	0.00708	0.00204	0.0859	0.0194	0.00000565	24.5	0.0000254	0.000263
2104 Aug	159	0.0723	0.0614	0.00211	19.1	0.033	45.6	0.000988	0.000988	0.00000601	0.0071	0.00205	0.0863	0.0194	0.00000567	24.6	0.0000255	0.000264
2104 Sep	159	0.0722	0.0612	0.0021	19.1	0.033	45.7	0.000987	0.000987	0.00000601	0.00709	0.00205	0.0863	0.0194	0.00000566	24.6	0.0000255	0.000263
2104 Oct	159	0.072	0.0609	0.00209	19	0.0329	45.6	0.000984	0.000984	0.00000599	0.00708	0.00204	0.0862	0.0194	0.00000565	24.5	0.0000255	0.000263
2104 Nov	159	0.072	0.0609	0.00209	19	0.0329	45.6	0.000983	0.000983	0.00000599	0.00708	0.00204	0.0862	0.0194	0.00000564	24.5	0.0000255	0.000263
2104 Dec	159	0.072	0.0609	0.00209	19	0.0329	45.6	0.000983	0.000983	0.00000599	0.00708	0.00204	0.0863	0.0194	0.00000564	24.5	0.0000255	0.000263
2105 Jan	159	0.072	0.0609	0.00209	19	0.0329	45.6	0.000983	0.000983	0.00000599	0.00708	0.00204	0.0863	0.0194	0.00000564	24.5	0.0000255	0.000263
2105 Feb	159	0.072	0.0609	0.00209	19	0.0329	45.6	0.000983	0.000983	0.00000599	0.00708	0.00204	0.0863	0.0194	0.00000564	24.5	0.0000255	0.000263
2105 Mar	159	0.072	0.0609	0.00209	19	0.0329	45.6	0.000983	0.000983	0.00000599	0.00708	0.00204	0.0863	0.0194	0.00000564	24.5	0.0000255	0.000263
2105 Apr	159	0.072	0.0609	0.00209	19	0.0329	45.7	0.000984	0.000984	0.00000599	0.00709	0.00204	0.0863	0.0194	0.00000565	24.5	0.0000255	0.000263
2105 May	159	0.072	0.0608	0.00209	19	0.0329	45.7	0.000984	0.000984	0.00000599	0.00709	0.00205	0.0863	0.0194	0.00000565	24.6	0.0000255	0.000263
2105 Jun	159	0.0719	0.0605	0.00208	19	0.0328	45.5	0.000983	0.000983	0.00000598	0.00709	0.00204	0.086	0.0195	0.00000564	24.6	0.0000255	0.000264
2105 Jul	160	0.0722	0.0608	0.00209	19	0.033	45.8	0.000987	0.000987	0.00000601	0.00712	0.00205	0.0865	0.0195	0.00000567	24.7	0.0000256	0.000265
2105 Aug	160	0.072	0.0606	0.00208	19	0.0329	45.9	0.000986	0.000986	0.00000601	0.00711	0.00206	0.0867	0.0195	0.00000566	24.7	0.0000256	0.000265
2105 Sep	160	0.0717	0.0602	0.00207	18.9	0.0328	46	0.000982	0.000982	0.00000599	0.0071	0.00206	0.0868	0.0194	0.00000564	24.7	0.0000256	0.000264
2105 Oct	160	0.0715	0.0598	0.00206	18.8	0.0327	46	0.000979	0.000979	0.00000598	0.00709	0.00205	0.0869	0.0194	0.00000563	24.6	0.0000255	0.000263
2105 Nov	160	0.0715	0.0597	0.00206	18.8	0.0327	46	0.000978	0.000978	0.00000597	0.00708	0.00205	0.0869	0.0194	0.00000562	24.6	0.0000255	0.000263
2105 Dec	160	0.0715	0.0597	0.00206	18.8	0.0327	46	0.000978	0.000978	0.00000597	0.00709	0.00205	0.0869	0.0194	0.00000562	24.6	0.0000255	0.000263
2106 Jan	160	0.0715	0.0597	0.00206	18.8	0.0327	46	0.000978	0.000978	0.00000597	0.00709	0.00205	0.0869	0.0194	0.00000562	24.6	0.0000255	0.000263
2106 Feb	160	0.0715	0.0597	0.00206	18.8	0.0327	46	0.000978	0.000978	0.00000597	0.00709	0.00205	0.0869	0.0194	0.00000562	24.6	0.0000255	0.000263
2106 Mar	160	0.0715	0.0597	0.00206	18.8	0.0327	46	0.000978	0.000978	0.00000597	0.00709	0.00205	0.0869	0.0194	0.00000562	24.6	0.0000255	0.000263
2106 Apr	160	0.0715	0.0597	0.00206	18.8	0.0327	46	0.000978	0.000978	0.00000597	0.00709	0.00205	0.0869	0.0194	0.00000562	24.6	0.0000255	0.000263
2106 May	160	0.0716	0.0598	0.00206	18.8	0.0328	46.1	0.00098	0.00098	0.00000598	0.0071	0.00206	0.0871	0.0194	0.00000563	24.7	0.0000256	0.000264
2106 Jun	159	0.071	0.059	0.00204	18.7	0.0324	45.7	0.000974	0.000974	0.00000594	0.00706	0.00204	0.0862	0.0194	0.00000559	24.6	0.0000254	0.000263
2106 Jul	160	0.0712	0.0591	0.00205	18.7	0.0326	45.9	0.000978	0.000978	0.00000597	0.0071	0.00205	0.0867	0.0195	0.00000562	24.7	0.0000255	0.000264
2106 Aug	160	0.0711	0.059	0.00204	18.7	0.0326	46.1	0.000978	0.000978	0.00000597	0.0071	0.00206	0.087	0.0195	0.00000562	24.7	0.0000256	0.000264
2106 Sep	160	0.0709	0.0587	0.00203	18.7	0.0325	46.2	0.000975	0.000975	0.00000596	0.00709	0.00206	0.0871	0.0194	0.0000056	24.7	0.0000256	0.000263
2106 Oct	161	0.0708	0.0586	0.00203	18.6	0.0325	46.3	0.000974	0.000974	0.00000596	0.00709	0.00206	0.0874	0.0194	0.0000056	24.7	0.0000256	0.000263
2106 Nov	161	0.0708	0.0586	0.00203	18.6	0.0325	46.3	0.000974	0.000974	0.00000596	0.0071	0.00206	0.0874	0.0194	0.0000056	24.7	0.0000256	0.000263
2106 Dec	161	0.0709	0.0586	0.00203	18.6	0.0325	46.3	0.000974	0.000974	0.00000596	0.0071	0.00206	0.0875	0.0194	0.0000056	24.7	0.0000256	0.000263
2107 Jan	161	0.0709	0.0586	0.00203	18.6	0.0325	46.3	0.000974	0.000974	0.00000596	0.0071	0.00206	0.0875	0.0194	0.0000056	24.7	0.0000256	0.000263
2107 Feb	161	0.0709	0.0586	0.00203	18.6	0.0325	46.3	0.000974	0.000974	0.00000596	0.0071	0.00206	0.0875	0.0194	0.0000056	24.7	0.0000256	0.000263
2107 Mar	161	0.0709	0.0586	0.00203	18.6	0.0325	46.3	0.000975	0.000975	0.00000596	0.0071	0.00206	0.0875	0.0194	0.00000561	24.7	0.0000256	0.000263
2107 Apr	161	0.0709	0.0586	0.00203	18.6	0.0325	46.4	0.000975	0.000975	0.00000596	0.0071	0.00206	0.0875	0.0194	0.00000561	24.7	0.0000256	0.000263
2107 May	161	0.0709	0.0586	0.00203	18.6	0.0325	46.3	0.000975	0.000975	0.00000596	0.0071	0.00206	0.0874	0.0194	0.00000561	24.8	0.0000256	0.000264
2107 Jun	160	0.0707	0.0582	0.00202	18.6	0.0324	46	0.000973	0.000973	0.00000595	0.00709	0.00206	0.0869	0.0195	0.00000559	24.7	0.0000255	0.000264
2107 Jul	161	0.0708	0.0584	0.00203	18.6	0.0325	46.2	0.000976	0.000976	0.00000597	0.00711	0.00207	0.0873	0.0195	0.00000561	24.8	0.0000256	0.000264
2107 Aug	162	0.0711	0.0586	0.00203	18.7	0.0326	46.5	0.00098	0.00098	0.00000599	0.00715	0.00208	0.0878	0.0196	0.00000564	24.9	0.0000258	0.000266
2107 Sep	162	0.0712	0.0586	0.00203	18.7	0.0327	46.8	0.000981	0.000981	0.000006	0.00716	0.00208	0.0882	0.0196	0.00000564	25	0.0000258	0.000266
2107 Oct	162	0.0711	0.0584	0.00203	18.7	0.0326	46.8	0.000979	0.000979	0.000006	0.00716	0.00208	0.0884	0.0196	0.00000563	25	0.0000258	0.000266
2107 Nov	162	0.0711	0.0583	0.00203	18.7	0.0326	46.8	0.000979	0.000979	0.00000599	0.00715	0.00208	0.0883	0.0196	0.00000563	25	0.0000258	0.000265
2107 Dec	162	0.0711	0.0583	0.00203	18.7	0.0326	46.8	0.000979	0.000979	0.00000599	0.00715	0.00208	0.0884	0.0196	0.00000563	25	0.0000258	0.000265
2108 Jan	162	0.0711	0.0583	0.00203	18.7	0.0326	46.9	0.000979	0.000979	0.00000599	0.00715	0.00208	0.0884	0.0196	0.00000563	25	0.0000258	0.000265
2108 Feb	162	0.0711	0.0583	0.00203	18.7	0.0326	46.9	0.000979	0.000979	0.00000599	0.00715	0.00208	0.0884	0.0196	0.00000563	25	0.0000258	0.000265
2108 Mar	162	0.0711	0.0583	0.00203	18.7	0.0326	46.9	0.000979	0.000979	0.000006	0.00716	0.00208	0.0884	0.0196	0.00000563	25	0.0000258	0.000265
2108 Apr	163	0.0711	0.0584	0.00203	18.7	0.0326	46.9	0.00098	0.00098	0.000006	0.00716	0.00209	0.0885	0.0196	0.00000564	25	0.0000259	0.000266
2108 May	163	0.0713	0.0585	0.00204	18.7	0.0327	47	0.000982	0.000982	0.00000602	0.00718	0.00209	0.0887	0.0197	0.00000565	25.1	0.0000259	0.000266
2108 Jun	162	0.071	0.0581	0.00202	18.7	0.0326	46.7	0.00098	0.00098	0.000006	0.00717	0.00208	0.0881	0.0196	0.00000564	25	0.0000258	0.000266
2108 Jul	163	0.0713	0.0584	0.00204	18.8	0.0328	47	0.000986	0.000986	0.00000604	0.00721	0.0021	0.0887	0.0197	0.00000567	25.2	0.000026	0.000268
2108 Aug	164	0.0717	0.0588	0.00205	18.9	0.033	47.4	0.000992	0.000992	0.00000607	0.00726	0.00211	0.0894	0.0199	0.00000571	25.3	0.0000262	0.000269
2108 Sep	165	0.0718	0.0588	0.00205	18.9	0.033	47.6	0.000993	0.000993	0.00000608	0.00727	0.00212	0.0897	0.0199	0.00000571	25.4	0.0000262	0.00027
2108 Oct	164	0.0715	0.0584	0.00204	18.8	0.0329	47.4	0.000988	0.000988	0.00000606	0.00725	0.00211	0.0895	0.0198	0.00000569	25.3	0.0000262	0.000268
2108 Nov	164	0.0715	0.0583	0.00204	18.8	0.0329	47.4	0.000988	0.000988	0.00000605	0.00725	0.00211	0.0895	0.0198	0.00000569	25.3	0.0000262	0.000268
2108 Dec	164	0.0715	0.0583	0.00204	18.8	0.0329	47.5	0.000988	0.000988	0.00000606	0.00725	0.00211	0.0895	0.0198	0.00000569	25.3	0.0000262	0.000268
2109 Jan	164	0.0715	0.0583	0.00204	18.8	0.0329	47.5	0.000988	0.000988	0.00000606	0.00725	0.00211	0.0895	0.0198	0.00000569	25.3	0.0000262	0.000268
2109 Feb	164	0.0715	0.0583	0.00204	18.8	0.0329	47.5	0.000988	0.000988	0.00000606	0.00725	0.00211	0.0895	0.0198	0.00000569	25.3	0.0000262	0.000268
2109 Mar	164	0.0715	0.0583	0.00204	18.8	0.0329	47.5	0.000988	0.000988	0.00000606	0.00725	0.00211	0.0895	0.0198	0.00000569	25.3	0.0000262	0.000268
2109 Apr	165	0.0716	0.0584	0.00204	18.8	0.0329	47.5	0.000989	0.000989	0.00000606	0.00725	0.00211	0.0896	0.0198	0.00000569	25.3	0.0000262	0.000269
2109 May	164	0.0716	0.0583	0.00204	18.8	0.0329	47.4	0.00099	0.00099	0.00000606	0.00726	0.00211	0.0895	0.0199	0.00000569	25.3	0.0000262	0.000269
2109 Jun	164	0.0716	0.0581	0.00203	18.8	0.0328	47.3	0.00099	0.00099	0.00000606	0.00726	0.00211	0.0892	0.0199	0.00000569	25.4	0.0000262	0.00027
2109 Jul	165	0.0717	0.0582	0.00204	18.8	0.0329	47.6	0.000993	0.000993	0.00000608	0.00728	0.00212	0.0897	0.02	0.00000571	25.5	0.0000263	0.000271
2109 Aug	166	0.0719	0.0583	0.00204	18.9	0.033	47.9	0.000996	0.000996	0.0000061	0.00731	0.00213	0.0902	0.02	0.00000573	25.6	0.0000264	0.000271
2109 Sep	166	0.0718	0.0582	0.00204	18.8	0.033	48	0.000994	0.000994	0.0000061	0.00731	0.00213	0.0905	0.02	0.00000572	25.6	0.0000264	0.000271
2109 Oct	166	0.0715	0.0577	0.00202	18.7	0.0329	47.9	0.000989	0.000989	0.00000607	0.00729	0.00213	0.0904	0.0199	0.0000057	25.5	0.0000263	0.00027

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2109 Nov	166	0.0715	0.0576	0.00202	18.7	0.0329	48	0.000989	0.000989	0.00000607	0.00729	0.00213	0.0904	0.0199	0.0000057	25.5	0.0000263	0.00027
2109 Dec	166	0.0715	0.0576	0.00202	18.7	0.0329	48	0.000989	0.000989	0.00000607	0.00729	0.00213	0.0905	0.0199	0.0000057	25.5	0.0000263	0.00027
2110 Jan	166	0.0715	0.0576	0.00202	18.7	0.0329	48	0.000989	0.000989	0.00000607	0.00729	0.00213	0.0905	0.0199	0.0000057	25.5	0.0000263	0.00027
2110 Feb	166	0.0715	0.0576	0.00202	18.7	0.0329	48	0.000989	0.000989	0.00000607	0.00729	0.00213	0.0905	0.0199	0.0000057	25.5	0.0000263	0.00027
2110 Mar	166	0.0715	0.0577	0.00202	18.7	0.0329	48	0.000989	0.000989	0.00000608	0.00729	0.00213	0.0905	0.0199	0.0000057	25.5	0.0000264	0.00027
2110 Apr	166	0.0715	0.0577	0.00202	18.7	0.0329	48	0.00099	0.00099	0.00000608	0.0073	0.00213	0.0905	0.0199	0.0000057	25.5	0.0000264	0.00027
2110 May	166	0.0716	0.0577	0.00202	18.8	0.0329	48.2	0.000991	0.000991	0.00000609	0.00731	0.00213	0.0908	0.02	0.00000571	25.6	0.0000264	0.00027
2110 Jun	166	0.071	0.057	0.002	18.6	0.0326	48	0.000984	0.000984	0.00000605	0.00728	0.00213	0.0905	0.0199	0.00000567	25.5	0.0000263	0.00027
2110 Jul	167	0.0712	0.0571	0.00201	18.7	0.0327	48.2	0.000988	0.000988	0.00000607	0.0073	0.00214	0.0909	0.02	0.00000569	25.6	0.0000264	0.000271
2110 Aug	166	0.0706	0.0566	0.00199	18.5	0.0326	48.1	0.000983	0.000983	0.00000605	0.00727	0.00213	0.0906	0.0199	0.00000567	25.5	0.0000263	0.000269
2110 Sep	166	0.0703	0.0561	0.00198	18.4	0.0324	48.1	0.000978	0.000978	0.00000602	0.00725	0.00213	0.0906	0.0198	0.00000564	25.5	0.0000262	0.000268
2110 Oct	165	0.0701	0.0556	0.00196	18.3	0.0323	48	0.000973	0.000973	0.000006	0.00723	0.00212	0.0904	0.0197	0.00000561	25.4	0.0000262	0.000267
2110 Nov	165	0.07	0.0555	0.00196	18.3	0.0323	48	0.000972	0.000972	0.00000599	0.00722	0.00212	0.0904	0.0197	0.00000561	25.3	0.0000261	0.000267
2110 Dec	165	0.07	0.0555	0.00196	18.3	0.0323	48	0.000972	0.000972	0.00000599	0.00723	0.00212	0.0904	0.0197	0.00000561	25.3	0.0000261	0.000267
2111 Jan	165	0.07	0.0555	0.00196	18.3	0.0323	48	0.000972	0.000972	0.00000599	0.00723	0.00212	0.0904	0.0197	0.00000561	25.3	0.0000262	0.000267
2111 Feb	165	0.07	0.0555	0.00196	18.3	0.0323	48	0.000972	0.000972	0.00000599	0.00723	0.00212	0.0904	0.0197	0.00000561	25.4	0.0000262	0.000267
2111 Mar	165	0.07	0.0555	0.00196	18.3	0.0323	48	0.000972	0.000972	0.00000599	0.00723	0.00212	0.0904	0.0197	0.00000561	25.4	0.0000262	0.000267
2111 Apr	166	0.0701	0.0555	0.00196	18.3	0.0323	48.1	0.000973	0.000973	0.000006	0.00723	0.00212	0.0905	0.0197	0.00000561	25.4	0.0000262	0.000267
2111 May	166	0.0702	0.0556	0.00196	18.3	0.0323	48.1	0.000975	0.000975	0.000006	0.00724	0.00212	0.0905	0.0197	0.00000562	25.4	0.0000262	0.000268
2111 Jun	165	0.0698	0.0551	0.00195	18.2	0.0321	47.6	0.000971	0.000971	0.00000598	0.00722	0.00211	0.0897	0.0198	0.0000056	25.4	0.0000261	0.000267
2111 Jul	166	0.0702	0.0554	0.00196	18.4	0.0323	48	0.000977	0.000977	0.00000602	0.00726	0.00213	0.0904	0.0199	0.00000563	25.5	0.0000263	0.000269
2111 Aug	166	0.07	0.0551	0.00195	18.3	0.0323	48.1	0.000976	0.000976	0.00000601	0.00726	0.00213	0.0905	0.0199	0.00000562	25.5	0.0000262	0.000269
2111 Sep	166	0.0699	0.055	0.00195	18.3	0.0323	48.3	0.000975	0.000975	0.00000601	0.00726	0.00213	0.0909	0.0198	0.00000562	25.5	0.0000263	0.000269
2111 Oct	166	0.0697	0.0547	0.00194	18.2	0.0322	48.3	0.000971	0.000971	0.00000599	0.00724	0.00213	0.0908	0.0198	0.0000056	25.5	0.0000262	0.000268
2111 Nov	166	0.0696	0.0544	0.00193	18.1	0.0321	48.2	0.000969	0.000969	0.00000598	0.00723	0.00213	0.0908	0.0197	0.00000559	25.4	0.0000262	0.000267
2111 Dec	166	0.0696	0.0544	0.00193	18.1	0.0321	48.3	0.000969	0.000969	0.00000598	0.00723	0.00213	0.0908	0.0197	0.00000559	25.5	0.0000262	0.000267
2112 Jan	166	0.0696	0.0544	0.00193	18.1	0.0321	48.3	0.000969	0.000969	0.00000598	0.00723	0.00213	0.0908	0.0197	0.00000559	25.5	0.0000262	0.000267
2112 Feb	166	0.0696	0.0544	0.00193	18.1	0.0321	48.3	0.000969	0.000969	0.00000598	0.00723	0.00213	0.0908	0.0197	0.00000559	25.5	0.0000262	0.000267
2112 Mar	166	0.0696	0.0545	0.00193	18.1	0.0321	48.3	0.000969	0.000969	0.00000598	0.00724	0.00213	0.0909	0.0197	0.00000559	25.5	0.0000262	0.000267
2112 Apr	166	0.0696	0.0545	0.00194	18.2	0.0321	48.3	0.00097	0.00097	0.00000599	0.00724	0.00213	0.0909	0.0197	0.0000056	25.5	0.0000262	0.000267
2112 May	166	0.0697	0.0544	0.00193	18.2	0.0321	48.4	0.00097	0.00097	0.00000599	0.00725	0.00213	0.091	0.0198	0.0000056	25.5	0.0000263	0.000268
2112 Jun	164	0.0688	0.0534	0.0019	17.9	0.0317	47.7	0.00096	0.00096	0.00000592	0.00717	0.00211	0.0896	0.0197	0.00000553	25.3	0.000026	0.000266
2112 Jul	165	0.0688	0.0534	0.0019	18	0.0317	47.8	0.000962	0.000962	0.00000593	0.00719	0.00212	0.09	0.0197	0.00000555	25.4	0.0000261	0.000267
2112 Aug	166	0.0691	0.0536	0.00191	18	0.0319	48.2	0.000965	0.000965	0.00000596	0.00723	0.00213	0.0907	0.0198	0.00000557	25.5	0.0000262	0.000268
2112 Sep	167	0.069	0.0536	0.00191	18	0.0319	48.6	0.000965	0.000965	0.00000597	0.00724	0.00214	0.0913	0.0198	0.00000557	25.6	0.0000263	0.000268
2112 Oct	167	0.069	0.0534	0.00191	18	0.0318	48.8	0.000964	0.000964	0.00000597	0.00724	0.00214	0.0917	0.0198	0.00000557	25.6	0.0000263	0.000268
2112 Nov	168	0.069	0.0534	0.00191	18	0.0318	48.9	0.000964	0.000964	0.00000597	0.00725	0.00214	0.0918	0.0198	0.00000557	25.6	0.0000264	0.000268
2112 Dec	168	0.069	0.0534	0.00191	18	0.0318	48.9	0.000964	0.000964	0.00000597	0.00725	0.00214	0.0919	0.0198	0.00000557	25.6	0.0000264	0.000268
2113 Jan	168	0.069	0.0534	0.00191	18	0.0318	48.9	0.000964	0.000964	0.00000597	0.00725	0.00214	0.0919	0.0198	0.00000557	25.6	0.0000264	0.000268
2113 Feb	168	0.069	0.0534	0.00191	18	0.0318	48.9	0.000964	0.000964	0.00000597	0.00725	0.00214	0.0919	0.0198	0.00000557	25.6	0.0000264	0.000268
2113 Mar	168	0.069	0.0535	0.00191	18	0.0318	48.9	0.000964	0.000964	0.00000597	0.00725	0.00215	0.0919	0.0198	0.00000557	25.7	0.0000264	0.000268
2113 Apr	168	0.0691	0.0535	0.00191	18	0.0319	48.9	0.000965	0.000965	0.00000598	0.00726	0.00215	0.092	0.0198	0.00000558	25.7	0.0000264	0.000268
2113 May	168	0.0691	0.0535	0.00191	18	0.0319	49	0.000966	0.000966	0.00000598	0.00727	0.00215	0.0921	0.0198	0.00000558	25.7	0.0000264	0.000269
2113 Jun	167	0.0688	0.053	0.00189	18	0.0317	48.7	0.000962	0.000962	0.00000596	0.00724	0.00214	0.0915	0.0199	0.00000556	25.7	0.0000263	0.000269
2113 Jul	168	0.069	0.0532	0.0019	18	0.0318	48.9	0.000967	0.000967	0.00000599	0.00727	0.00215	0.092	0.0199	0.00000559	25.8	0.0000265	0.00027
2113 Aug	169	0.0692	0.0534	0.00191	18.1	0.0319	49.3	0.00097	0.00097	0.00000601	0.0073	0.00216	0.0926	0.02	0.00000561	25.9	0.0000266	0.000271
2113 Sep	169	0.0692	0.0532	0.0019	18	0.0319	49.4	0.000968	0.000968	0.00000601	0.0073	0.00217	0.0928	0.02	0.0000056	25.9	0.0000266	0.00027
2113 Oct	169	0.0688	0.0527	0.00189	17.9	0.0318	49.3	0.000963	0.000963	0.00000598	0.00727	0.00216	0.0926	0.0199	0.00000557	25.8	0.0000265	0.000269
2113 Nov	169	0.0688	0.0526	0.00189	17.9	0.0317	49.3	0.000962	0.000962	0.00000597	0.00727	0.00216	0.0926	0.0198	0.00000557	25.8	0.0000265	0.000269
2113 Dec	169	0.0688	0.0526	0.00189	17.9	0.0317	49.3	0.000962	0.000962	0.00000597	0.00727	0.00216	0.0926	0.0198	0.00000557	25.8	0.0000265	0.000269
2114 Jan	169	0.0688	0.0526	0.00189	17.9	0.0317	49.3	0.000962	0.000962	0.00000597	0.00727	0.00216	0.0926	0.0198	0.00000557	25.8	0.0000265	0.000269
2114 Feb	169	0.0688	0.0526	0.00189	17.9	0.0317	49.3	0.000962	0.000962	0.00000597	0.00727	0.00216	0.0926	0.0198	0.00000557	25.8	0.0000265	0.000269
2114 Mar	169	0.0688	0.0526	0.00189	17.9	0.0317	49.3	0.000962	0.000962	0.00000597	0.00727	0.00216	0.0927	0.0199	0.00000557	25.8	0.0000265	0.000269
2114 Apr	169	0.0689	0.0527	0.00189	17.9	0.0318	49.4	0.000963	0.000963	0.00000598	0.00728	0.00216	0.0927	0.0199	0.00000557	25.8	0.0000265	0.000269
2114 May	169	0.0688	0.0525	0.00188	17.9	0.0317	49.4	0.000962	0.000962	0.00000597	0.00728	0.00216	0.0927	0.0199	0.00000557	25.9	0.0000265	0.000269
2114 Jun	169	0.0688	0.0524	0.00188	17.9	0.0317	49.4	0.000963	0.000963	0.00000598	0.00729	0.00216	0.0928	0.02	0.00000557	25.9	0.0000266	0.00027
2114 Jul	171	0.0692	0.0527	0.00189	18	0.0319	49.8	0.000969	0.000969	0.00000602	0.00734	0.00218	0.0936	0.0201	0.00000561	26.1	0.0000268	0.000272
2114 Aug	172	0.0696	0.053	0.0019	18.1	0.0321	50.3	0.000975	0.000975	0.00000606	0.00739	0.0022	0.0944	0.0202	0.00000564	26.3	0.000027	0.000274
2114 Sep	172	0.0695	0.0528	0.0019	18.1	0.032	50.5	0.000973	0.000973	0.00000605	0.00739	0.0022	0.0947	0.0202	0.00000564	26.3	0.000027	0.000273
2114 Oct	173	0.0693	0.0526	0.00189	18	0.0319	50.6	0.00097	0.00097	0.00000604	0.00738	0.0022	0.095	0.0201	0.00000562	26.3	0.000027	0.000272
2114 Nov	172	0.0692	0.0523	0.00188	17.9	0.0319	50.6	0.000967	0.000967	0.00000603	0.00736	0.0022	0.095	0.02	0.00000561	26.2	0.0000269	0.000272
2114 Dec	172	0.0692	0.0523	0.00188	17.9	0.0319	50.6	0.000967	0.000967	0.00000603	0.00736	0.0022	0.095	0.02	0.00000561	26.2	0.0000269	0.000272
2115 Jan	173	0.0692	0.0523	0.00188	17.9	0.0319	50.6	0.000967	0.000967	0.00000603	0.00736	0.0022	0.095	0.02	0.00000561	26.3	0.0000269	0.000272
2115 Feb	173	0.0692	0.0523	0.00188	17.9	0.0319	50.7	0.000967	0.000967	0.00000603	0.00737	0.0022	0.0951	0.02	0.00000561	26.3	0.0000269	0.000272
2115 Mar	173	0.0692	0.0523	0.00188	17.9	0.0319	50.7	0.000967	0.000967	0.00000603	0.00737	0.0022	0.0951	0.02	0.00000561	26.3	0.0000269	0.000272
2115 Apr	173	0.0692	0.0523	0.00188	17.9	0.0319	50.7	0.000967	0.000967	0.00000603	0.00737	0.0022	0.0951	0.0201	0.00000561	26.3	0.000027	0.000272
2115 May	172	0.0692	0.0522	0.00188	18	0.0319	50.6	0.000967	0.000967	0.00000603	0.00737	0.0022	0.0949	0.0201	0.00000561	26.3	0.0000269	0.000272
2115 Jun	173	0.0694	0.0523	0.00188	18	0.0319	50.7	0.000971	0.000971	0.00000605	0.00739	0.00221	0.095	0.0202	0.00000563	26.4	0.000027	0.000274
2115 Jul	174	0.0698	0.0526	0.00189	18.1	0.0321	51	0.000976	0.000976	0.00000608	0.00744	0.00222	0.0956	0.0203	0.00000566	26.5	0.0000272	0.000275
2115 Aug	174	0.0695	0.0524	0.00189	18.1	0.0321	51	0.000974	0.000974	0.00000607	0.00742	0.00222	0.0957	0.0203	0.00000565	26.5	0.0000271	0.000274
2115 Sep	174	0.0695	0.0523	0.00189	18	0.0321	51.2	0.000974	0.000974	0.00000608	0.00743	0.00222	0.0961	0.0203	0.00000565	26.6	0.0000272	0.000274
2115 Oct	175	0.0695	0.0522	0.00188	18	0.032	51.4	0.000973	0.000973	0.00000608	0.00744	0.00223	0.0964	0.0203	0.00000565	26.6	0.0000272	0.000274
2115 Nov	175	0.0694	0.0521	0.00188	18	0.032	51.5	0.000972	0.000972	0.00000607	0.00743	0.00223	0.0965	0.0202	0.00000564	26.6	0.0000272	0.000274

Appendix D.3-1: WN Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2115 Dec	175	0.0694	0.0521	0.00188	18	0.032	51.5	0.000972	0.000972	0.00000607	0.00743	0.00223	0.0965	0.0202	0.00000564	26.6	0.0000272	0.000274
2116 Jan	175	0.0694	0.0521	0.00188	18	0.032	51.5	0.000972	0.000972	0.00000607	0.00743	0.00223	0.0965	0.0202	0.00000564	26.6	0.0000272	0.000274
2116 Feb	175	0.0694	0.0521	0.00188	18	0.032	51.5	0.000972	0.000972	0.00000607	0.00743	0.00223	0.0965	0.0202	0.00000564	26.6	0.0000272	0.000274
2116 Mar	175	0.0694	0.0521	0.00188	18	0.032	51.5	0.000972	0.000972	0.00000608	0.00743	0.00223	0.0966	0.0202	0.00000564	26.6	0.0000272	0.000274
2116 Apr	175	0.0695	0.0521	0.00188	18	0.032	51.5	0.000972	0.000972	0.00000608	0.00744	0.00223	0.0966	0.0202	0.00000565	26.6	0.0000273	0.000274
2116 May	176	0.0695	0.0521	0.00188	18	0.032	51.7	0.000973	0.000973	0.00000609	0.00745	0.00224	0.0969	0.0203	0.00000565	26.7	0.0000273	0.000275
2116 Jun	174	0.0688	0.0513	0.00186	17.9	0.0317	51.2	0.000965	0.000965	0.00000603	0.00739	0.00222	0.0959	0.0203	0.0000056	26.5	0.0000271	0.000274
2116 Jul	175	0.0692	0.0515	0.00187	18	0.0319	51.5	0.000971	0.000971	0.00000607	0.00744	0.00223	0.0966	0.0204	0.00000564	26.7	0.0000273	0.000275
2116 Aug	176	0.0695	0.0518	0.00187	18	0.032	51.9	0.000976	0.000976	0.0000061	0.00748	0.00225	0.0972	0.0205	0.00000567	26.9	0.0000275	0.000277
2116 Sep	176	0.0693	0.0515	0.00187	18	0.0319	52	0.000973	0.000973	0.00000609	0.00747	0.00225	0.0974	0.0204	0.00000565	26.8	0.0000274	0.000276
2116 Oct	176	0.0692	0.0512	0.00186	17.9	0.0318	52	0.000969	0.000969	0.00000607	0.00746	0.00224	0.0974	0.0203	0.00000563	26.8	0.0000274	0.000275
2116 Nov	177	0.0692	0.0511	0.00186	17.9	0.0319	52.1	0.000969	0.000969	0.00000607	0.00746	0.00225	0.0975	0.0203	0.00000563	26.8	0.0000274	0.000275
2116 Dec	177	0.0692	0.0511	0.00186	17.9	0.0318	52.1	0.000969	0.000969	0.00000608	0.00746	0.00225	0.0976	0.0203	0.00000563	26.8	0.0000274	0.000275
2117 Jan	177	0.0692	0.0511	0.00186	17.9	0.0318	52.1	0.000969	0.000969	0.00000608	0.00746	0.00225	0.0976	0.0203	0.00000563	26.8	0.0000274	0.000275
2117 Feb	177	0.0692	0.0511	0.00186	17.9	0.0318	52.1	0.000969	0.000969	0.00000608	0.00746	0.00225	0.0976	0.0203	0.00000563	26.8	0.0000274	0.000275
2117 Mar	177	0.0692	0.0511	0.00186	17.9	0.0319	52.1	0.000969	0.000969	0.00000608	0.00746	0.00225	0.0976	0.0203	0.00000563	26.8	0.0000274	0.000275
2117 Apr	177	0.0692	0.0512	0.00186	17.9	0.0319	52.1	0.00097	0.00097	0.00000608	0.00747	0.00225	0.0977	0.0203	0.00000564	26.8	0.0000274	0.000275
2117 May	177	0.0693	0.0512	0.00186	17.9	0.0319	52.1	0.000971	0.000971	0.00000609	0.00748	0.00225	0.0977	0.0204	0.00000564	26.9	0.0000275	0.000276
2117 Jun	177	0.0693	0.0511	0.00186	17.9	0.0319	52	0.000972	0.000972	0.00000609	0.00748	0.00225	0.0973	0.0205	0.00000564	26.9	0.0000275	0.000277
2117 Jul	178	0.0697	0.0513	0.00187	18	0.0321	52.3	0.000977	0.000977	0.00000612	0.00752	0.00226	0.098	0.0206	0.00000568	27	0.0000276	0.000278
2117 Aug	178	0.0699	0.0515	0.00187	18.1	0.0322	52.6	0.00098	0.00098	0.00000614	0.00755	0.00227	0.0985	0.0206	0.00000569	27.1	0.0000277	0.000279
2117 Sep	179	0.0699	0.0515	0.00187	18.1	0.0322	52.8	0.000981	0.000981	0.00000615	0.00756	0.00228	0.0988	0.0207	0.0000057	27.2	0.0000278	0.000279
2117 Oct	179	0.0698	0.0513	0.00187	18	0.0321	52.8	0.000979	0.000979	0.00000614	0.00756	0.00228	0.0989	0.0206	0.00000569	27.2	0.0000278	0.000279
2117 Nov	179	0.0698	0.0513	0.00187	18	0.0321	52.8	0.000979	0.000979	0.00000614	0.00755	0.00228	0.0989	0.0206	0.00000569	27.2	0.0000278	0.000279
2117 Dec	179	0.0698	0.0513	0.00187	18	0.0321	52.9	0.000979	0.000979	0.00000614	0.00756	0.00228	0.099	0.0206	0.00000569	27.2	0.0000278	0.000279
2118 Jan	179	0.0698	0.0513	0.00187	18	0.0321	52.9	0.000979	0.000979	0.00000614	0.00756	0.00228	0.099	0.0206	0.00000569	27.2	0.0000278	0.000279
2118 Feb	179	0.0698	0.0513	0.00187	18	0.0321	52.9	0.000979	0.000979	0.00000614	0.00756	0.00228	0.099	0.0206	0.00000569	27.2	0.0000278	0.000279
2118 Mar	179	0.0698	0.0513	0.00187	18	0.0321	52.9	0.000979	0.000979	0.00000614	0.00756	0.00228	0.099	0.0206	0.00000569	27.2	0.0000278	0.000279
2118 Apr	179	0.0699	0.0513	0.00187	18	0.0322	52.9	0.000979	0.000979	0.00000615	0.00756	0.00228	0.099	0.0206	0.00000569	27.2	0.0000278	0.000279
2118 May	179	0.0698	0.0511	0.00186	18	0.0321	52.6	0.000978	0.000978	0.00000613	0.00755	0.00227	0.0985	0.0207	0.00000568	27.2	0.0000277	0.000279
2118 Jun	177	0.0693	0.0505	0.00184	17.9	0.0318	51.9	0.000972	0.000972	0.00000609	0.0075	0.00226	0.0972	0.0207	0.00000564	27	0.0000275	0.000278
2118 Jul	178	0.0698	0.0508	0.00185	18	0.032	52.4	0.000979	0.000979	0.00000613	0.00755	0.00227	0.098	0.0208	0.00000568	27.2	0.0000277	0.00028
2118 Aug	179	0.0697	0.0508	0.00185	18	0.032	52.6	0.000979	0.000979	0.00000614	0.00756	0.00228	0.0984	0.0208	0.00000569	27.3	0.0000278	0.000281
2118 Sep	178	0.0694	0.0503	0.00184	17.9	0.0319	52.6	0.000974	0.000974	0.00000611	0.00754	0.00227	0.0984	0.0207	0.00000566	27.2	0.0000277	0.000279
2118 Oct	178	0.0692	0.0499	0.00183	17.8	0.0318	52.6	0.00097	0.00097	0.00000609	0.00752	0.00227	0.0983	0.0206	0.00000564	27.1	0.0000276	0.000278
2118 Nov	178	0.0691	0.0499	0.00183	17.8	0.0318	52.6	0.000969	0.000969	0.00000609	0.00751	0.00227	0.0984	0.0206	0.00000563	27.1	0.0000276	0.000278
2118 Dec	178	0.0691	0.0499	0.00183	17.8	0.0318	52.6	0.000969	0.000969	0.00000609	0.00751	0.00227	0.0984	0.0206	0.00000563	27.1	0.0000276	0.000278
2119 Jan	178	0.0691	0.0499	0.00183	17.8	0.0318	52.6	0.000969	0.000969	0.00000609	0.00752	0.00227	0.0984	0.0206	0.00000563	27.1	0.0000276	0.000278
2119 Feb	178	0.0691	0.0499	0.00183	17.8	0.0318	52.6	0.000969	0.000969	0.00000609	0.00752	0.00227	0.0984	0.0206	0.00000563	27.1	0.0000276	0.000278
2119 Mar	178	0.0692	0.0499	0.00183	17.8	0.0318	52.6	0.000969	0.000969	0.00000609	0.00752	0.00227	0.0985	0.0206	0.00000564	27.1	0.0000276	0.000278
2119 Apr	179	0.0692	0.0499	0.00183	17.8	0.0318	52.7	0.00097	0.00097	0.0000061	0.00752	0.00227	0.0985	0.0206	0.00000564	27.2	0.0000277	0.000278
2119 May	177	0.0691	0.0496	0.00182	17.8	0.0316	52.2	0.000967	0.000967	0.00000607	0.00749	0.00226	0.0976	0.0207	0.00000562	27.2	0.0000275	0.000279
2119 Jun	177	0.0689	0.0494	0.00181	17.8	0.0315	52.1	0.000965	0.000965	0.00000606	0.00748	0.00226	0.0973	0.0207	0.00000561	27.1	0.0000275	0.000279
2119 Jul	178	0.0693	0.0496	0.00182	17.9	0.0317	52.5	0.000972	0.000972	0.0000061	0.00753	0.00228	0.0981	0.0209	0.00000564	27.3	0.0000277	0.00028
2119 Aug	179	0.0695	0.0497	0.00182	17.9	0.0318	52.8	0.000975	0.000975	0.00000612	0.00756	0.00229	0.0987	0.0209	0.00000566	27.4	0.0000278	0.000281
2119 Sep	179	0.0693	0.0495	0.00182	17.9	0.0318	52.9	0.000972	0.000972	0.00000611	0.00755	0.00229	0.0989	0.0209	0.00000565	27.4	0.0000278	0.000281
2119 Oct	179	0.0692	0.0493	0.00181	17.8	0.0317	52.9	0.000969	0.000969	0.0000061	0.00754	0.00228	0.0989	0.0208	0.00000564	27.4	0.0000277	0.00028
2119 Nov	179	0.0691	0.0492	0.00181	17.8	0.0317	52.9	0.000968	0.000968	0.00000609	0.00754	0.00228	0.0989	0.0208	0.00000563	27.4	0.0000277	0.00028
2119 Dec	179	0.0691	0.0492	0.00181	17.8	0.0317	52.9	0.000968	0.000968	0.00000609	0.00754	0.00228	0.0989	0.0208	0.00000563	27.4	0.0000277	0.00028

Appendix D.3-1: WN Pit Lake

Constituents	**Chromium**	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Post Closure (2051-2119): Min	0.000125	0.000983	0.0248	0.00000353	1.49	2.14	0.0146	0.000249	8.29	0.0017	0.00493	0.000061	0.000218	0.000104	0.0768	0.00000201	0.000155	0.000195	0.00102	0.000394
Post Closure (2051-2119): Mean	0.000282	0.00147	0.0735	0.00000642	1.87	5.39	0.0472	0.00054	38.3	0.00438	0.00725	0.000383	0.000534	0.000231	0.159	0.00000212	0.000226	0.000557	0.00152	0.000619
Post Closure (2051-2119): Max	0.000409	0.00187	0.11	0.00000845	2.06	7.98	0.0725	0.000766	62.9	0.00655	0.0089	0.000631	0.000774	0.000331	0.218	0.0000022	0.000262	0.000828	0.00186	0.00082
Water quality guideline for the protection of aquatic life	***0.005***	***variable***	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***variable***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Note: Calculation of mean excludes zero values; Values hig																				
Model Predictions																				
2051 Jan	0.000125	0.000983	0.0248	0.00000353	1.49	2.14	0.0146	0.000249	8.29	0.0017	0.00493	0.000061	0.000218	0.000104	0.0768	0.00000203	0.000155	0.000195	0.00102	0.000394
2051 Feb	0.000125	0.000983	0.0248	0.00000353	1.49	2.14	0.0146	0.000249	8.29	0.0017	0.00493	0.000061	0.000218	0.000104	0.0768	0.00000203	0.000155	0.000195	0.00102	0.000394
2051 Mar	0.000125	0.000983	0.0248	0.00000353	1.49	2.14	0.0146	0.000249	8.29	0.0017	0.00493	0.000061	0.000218	0.000104	0.0768	0.00000203	0.000155	0.000195	0.00102	0.000394
2051 Apr	0.000125	0.000983	0.0248	0.00000354	1.49	2.14	0.0146	0.000249	8.3	0.0017	0.00493	0.000061	0.000218	0.000104	0.0769	0.00000203	0.000155	0.000195	0.00102	0.000394
2051 May	0.000125	0.000987	0.0249	0.00000354	1.49	2.15	0.0147	0.000251	8.43	0.00172	0.00494	0.0000621	0.00022	0.000105	0.0773	0.00000204	0.000156	0.000196	0.00102	0.000396
2051 Jun	0.000128	0.000989	0.0256	0.00000358	1.49	2.21	0.0153	0.000255	9.1	0.00177	0.00494	0.0000691	0.000226	0.000107	0.0786	0.00000202	0.000157	0.000203	0.00103	0.000399
2051 Jul	0.000128	0.000991	0.0258	0.00000359	1.49	2.22	0.0154	0.000256	9.19	0.00178	0.00496	0.0000697	0.000227	0.000108	0.0789	0.00000202	0.000157	0.000204	0.00103	0.0004
2051 Aug	0.000129	0.000995	0.0259	0.00000361	1.5	2.24	0.0155	0.000258	9.34	0.00179	0.00497	0.0000707	0.000229	0.000109	0.0793	0.00000203	0.000158	0.000205	0.00103	0.000401
2051 Sep	0.000129	0.000995	0.026	0.00000361	1.5	2.25	0.0156	0.000259	9.48	0.0018	0.00497	0.0000714	0.00023	0.000109	0.0795	0.00000202	0.000158	0.000206	0.00103	0.000402
2051 Oct	0.000129	0.000993	0.026	0.00000361	1.49	2.26	0.0156	0.000261	9.66	0.00181	0.00496	0.0000724	0.000231	0.000109	0.0797	0.00000201	0.000158	0.000206	0.00103	0.000401
2051 Nov	0.000129	0.000994	0.026	0.00000361	1.49	2.27	0.0157	0.000262	9.74	0.00182	0.00496	0.0000728	0.000232	0.00011	0.0798	0.00000201	0.000158	0.000206	0.00103	0.000402
2051 Dec	0.000129	0.000994	0.026	0.00000362	1.49	2.27	0.0157	0.000262	9.75	0.00182	0.00496	0.0000729	0.000232	0.00011	0.0799	0.00000201	0.000158	0.000206	0.00103	0.000402
2052 Jan	0.000129	0.000995	0.026	0.00000362	1.49	2.27	0.0157	0.000262	9.75	0.00182	0.00496	0.0000729	0.000232	0.00011	0.0799	0.00000201	0.000158	0.000206	0.00103	0.000402
2052 Feb	0.000129	0.000995	0.026	0.00000362	1.49	2.27	0.0157	0.000262	9.75	0.00182	0.00496	0.0000729	0.000232	0.00011	0.0799	0.00000201	0.000158	0.000206	0.00103	0.000402
2052 Mar	0.000129	0.000995	0.026	0.00000362	1.49	2.27	0.0157	0.000262	9.75	0.00182	0.00496	0.0000729	0.000232	0.00011	0.0799	0.00000201	0.000158	0.000206	0.00103	0.000402
2052 Apr	0.000129	0.000995	0.0261	0.00000362	1.49	2.27	0.0157	0.000262	9.76	0.00182	0.00497	0.0000729	0.000232	0.00011	0.0799	0.00000201	0.000158	0.000206	0.00103	0.000402
2052 May	0.000129	0.000996	0.0262	0.00000362	1.5	2.27	0.0158	0.000263	9.78	0.00182	0.00497	0.0000737	0.000232	0.00011	0.0801	0.00000201	0.000158	0.000207	0.00103	0.000403
2052 Jun	0.000131	0.000996	0.0268	0.00000365	1.49	2.28	0.016	0.000263	9.81	0.00183	0.00499	0.0000762	0.000233	0.00011	0.0803	0.00000201	0.000158	0.00021	0.00103	0.000401
2052 Jul	0.000131	0.001	0.027	0.00000367	1.5	2.3	0.0162	0.000265	10	0.00185	0.00501	0.0000775	0.000235	0.000111	0.0809	0.00000202	0.000159	0.000212	0.00104	0.000404
2052 Aug	0.000132	0.00101	0.0271	0.00000369	1.51	2.32	0.0163	0.000267	10.1	0.00186	0.00503	0.0000784	0.000237	0.000112	0.0814	0.00000202	0.00016	0.000213	0.00104	0.000406
2052 Sep	0.000132	0.00101	0.0272	0.00000369	1.51	2.33	0.0163	0.000268	10.3	0.00187	0.00503	0.0000793	0.000239	0.000112	0.0818	0.00000202	0.00016	0.000214	0.00104	0.000408
2052 Oct	0.000133	0.00101	0.0272	0.0000037	1.51	2.35	0.0164	0.00027	10.5	0.00189	0.00504	0.0000803	0.00024	0.000113	0.0822	0.00000202	0.000161	0.000215	0.00104	0.00041
2052 Nov	0.000133	0.00101	0.0272	0.0000037	1.51	2.36	0.0165	0.000271	10.5	0.00189	0.00504	0.0000806	0.000241	0.000113	0.0823	0.00000202	0.000161	0.000215	0.00105	0.00041
2052 Dec	0.000133	0.00101	0.0272	0.0000037	1.51	2.36	0.0165	0.000271	10.5	0.00189	0.00504	0.0000807	0.000241	0.000113	0.0823	0.00000202	0.000161	0.000215	0.00105	0.00041
2053 Jan	0.000133	0.00101	0.0272	0.0000037	1.51	2.36	0.0165	0.000271	10.5	0.0019	0.00504	0.0000807	0.000241	0.000113	0.0824	0.00000202	0.000161	0.000215	0.00105	0.00041
2053 Feb	0.000133	0.00101	0.0272	0.0000037	1.51	2.36	0.0165	0.000271	10.5	0.0019	0.00504	0.0000807	0.000241	0.000113	0.0824	0.00000202	0.000161	0.000215	0.00105	0.000411
2053 Mar	0.000133	0.00101	0.0272	0.0000037	1.51	2.36	0.0165	0.000271	10.5	0.0019	0.00504	0.0000807	0.000241	0.000113	0.0824	0.00000202	0.000161	0.000215	0.00105	0.000411
2053 Apr	0.000133	0.00101	0.0272	0.0000037	1.51	2.36	0.0165	0.000271	10.6	0.0019	0.00504	0.0000808	0.000241	0.000113	0.0824	0.00000203	0.000161	0.000215	0.00105	0.000411
2053 May	0.000135	0.00102	0.0276	0.00000372	1.52	2.41	0.0169	0.000275	11	0.00194	0.00506	0.000085	0.000246	0.000116	0.0837	0.00000203	0.000163	0.00022	0.00105	0.000416
2053 Jun	0.000138	0.00102	0.0285	0.00000374	1.52	2.44	0.0175	0.000277	11.3	0.00196	0.00506	0.000091	0.000249	0.000117	0.0845	0.00000202	0.000163	0.000226	0.00105	0.000415
2053 Jul	0.000138	0.00103	0.0287	0.00000376	1.53	2.46	0.0176	0.000279	11.5	0.00198	0.00509	0.000092	0.000251	0.000117	0.085	0.00000202	0.000164	0.000227	0.00106	0.000418
2053 Aug	0.00014	0.00103	0.0289	0.00000378	1.54	2.49	0.0178	0.000282	11.7	0.00201	0.00512	0.0000937	0.000255	0.000119	0.086	0.00000203	0.000166	0.00023	0.00107	0.000422
2053 Sep	0.000141	0.00104	0.029	0.0000038	1.55	2.54	0.0181	0.000287	12.1	0.00204	0.00513	0.0000962	0.00026	0.000121	0.0871	0.00000204	0.000167	0.000232	0.00107	0.000428
2053 Oct	0.000142	0.00105	0.029	0.00000381	1.55	2.56	0.0183	0.000289	12.4	0.00207	0.00514	0.0000978	0.000263	0.000122	0.0878	0.00000204	0.000169	0.000234	0.00107	0.000431
2053 Nov	0.000142	0.00105	0.029	0.00000381	1.55	2.57	0.0183	0.00029	12.4	0.00207	0.00514	0.000098	0.000263	0.000122	0.0879	0.00000204	0.000169	0.000234	0.00108	0.000432
2053 Dec	0.000142	0.00105	0.029	0.00000381	1.55	2.57	0.0183	0.00029	12.5	0.00207	0.00514	0.0000981	0.000263	0.000122	0.0879	0.00000204	0.000169	0.000234	0.00108	0.000432
2054 Jan	0.000142	0.00105	0.029	0.00000381	1.55	2.57	0.0183	0.00029	12.5	0.00207	0.00514	0.0000981	0.000263	0.000122	0.0879	0.00000204	0.000169	0.000234	0.00108	0.000432
2054 Feb	0.000142	0.00105	0.029	0.00000381	1.55	2.57	0.0183	0.00029	12.5	0.00207	0.00514	0.0000981	0.000263	0.000122	0.0879	0.00000204	0.000169	0.000234	0.00108	0.000432
2054 Mar	0.000142	0.00105	0.029	0.00000381	1.55	2.57	0.0183	0.00029	12.5	0.00207	0.00514	0.0000981	0.000263	0.000122	0.0879	0.00000204	0.000169	0.000234	0.00108	0.000432
2054 Apr	0.000142	0.00105	0.029	0.00000381	1.56	2.57	0.0183	0.00029	12.5	0.00208	0.00514	0.0000982	0.000263	0.000123	0.088	0.00000205	0.000169	0.000234	0.00108	0.000432
2054 May	0.000142	0.00105	0.0292	0.00000382	1.56	2.58	0.0184	0.000291	12.5	0.00208	0.00515	0.0000988	0.000264	0.000123	0.0881	0.00000205	0.000169	0.000235	0.00108	0.000432
2054 Jun	0.000144	0.00105	0.03	0.00000384	1.55	2.58	0.0187	0.000289	12.5	0.00207	0.00516	0.000102	0.000263	0.000122	0.0881	0.00000204	0.000168	0.000239	0.00108	0.000428
2054 Jul	0.000144	0.00105	0.0302	0.00000386	1.55	2.58	0.0188	0.00029	12.6	0.00208	0.00517	0.000103	0.000264	0.000123	0.0883	0.00000203	0.000168	0.00024	0.00108	0.000428
2054 Aug	0.000145	0.00105	0.0304	0.00000388	1.55	2.6	0.0189	0.000292	12.8	0.0021	0.00518	0.000105	0.000266	0.000123	0.0888	0.00000204	0.000169	0.000241	0.00108	0.00043
2054 Sep	0.000145	0.00105	0.0304	0.00000389	1.56	2.62	0.019	0.000294	12.9	0.00211	0.00519	0.000105	0.000268	0.000124	0.0892	0.00000204	0.000169	0.000242	0.00109	0.000432
2054 Oct	0.000145	0.00105	0.0305	0.00000389	1.56	2.63	0.0191	0.000295	13	0.00212	0.00519	0.000106	0.000269	0.000124	0.0894	0.00000204	0.000169	0.000243	0.00109	0.000432
2054 Nov	0.000145	0.00105	0.0305	0.00000389	1.56	2.63	0.0191	0.000295	13	0.00212	0.0052	0.000106	0.000269	0.000125	0.0895	0.00000204	0.000169	0.000243	0.00109	0.000432
2054 Dec	0.000145	0.00105	0.0305	0.00000389	1.56	2.63	0.0191	0.000295	13.1	0.00212	0.0052	0.000106	0.000269	0.000125	0.0895	0.00000204	0.00017	0.000243	0.00109	0.000433
2055 Jan	0.000145	0.00105	0.0305	0.00000389	1.56	2.63	0.0191	0.000295	13.1	0.00212	0.0052	0.000106	0.000269	0.000125	0.0895	0.00000204	0.00017	0.000243	0.00109	0.000433
2055 Feb	0.000145	0.00105	0.0305	0.00000389	1.56	2.63	0.0191	0.000295	13.1	0.00212	0.0052	0.000106	0.000269	0.000125	0.0895	0.00000204	0.00017	0.000243	0.00109	0.000433
2055 Mar	0.000145	0.00105	0.0305	0.00000389	1.56	2.63	0.0191	0.000295	13.1	0.00212	0.0052	0.000106	0.000269	0.000125	0.0895	0.00000204	0.00017	0.000243	0.00109	0.000433
2055 Apr	0.000145	0.00106	0.0305	0.00000389	1.56	2.63	0.0191	0.000295	13.1	0.00212	0.0052	0.000106	0.000269	0.000125	0.0896	0.00000204	0.00017	0.000243	0.00109	0.000433
2055 May	0.000146	0.00106	0.0306	0.0000039	1.56	2.64	0.0191	0.000296	13.1	0.00213	0.00521	0.000107	0.00027	0.000125	0.0897	0.00000204	0.00017	0.000244	0.00109	0.000434
2055 Jun	0.000146	0.00105	0.0311	0.00000394	1.55	2.64	0.0193	0.000296	13.2	0.00213	0.00522	0.000109	0.000271	0.000125	0.0897	0.00000203	0.000169	0.000247	0.00109	0.000431
2055 Jul	0.000146	0.00105	0.0314	0.00000397	1.55	2.64	0.0193	0.000295	13.2	0.00213	0.00524	0.000109	0.000271	0.000125	0.0897	0.00000203	0.000169	0.000248	0.0011	0.00043
2055 Aug	0.000147	0.00106	0.0315	0.00000399	1.56	2.66	0.0194	0.000297	13.4	0.00215	0.00526	0.00011	0.000273	0.000126	0.0902	0.00000204	0.00017	0.000249	0.0011	0.000432
2055 Sep	0.000147	0.00106	0.0316	0.00000399	1.56	2.68	0.0195	0.000299	13.5	0.00216	0.00527	0.000111	0.000275	0.000126	0.0906	0.00000204	0.00017	0.00025	0.0011	0.000433
2055 Oct	0.000147	0.00106	0.0316	0.000004	1.56	2.69	0.0196	0.0003	13.6	0.00217	0.00527	0.000111	0.000276	0.000127	0.0908	0.00000204	0.000171	0.000251	0.0011	0.000435
2055 Nov	0.000148	0.00106	0.0316	0.000004	1.56	2.69	0.0196	0.000301	13.7	0.00217	0.00527	0.000112	0.000276	0.000127	0.091	0.00000204	0.000171	0.000251	0.00111	0.000436
2055 Dec	0.000148	0.00106	0.0316	0.000004	1.56	2.69	0.0196	0.000301	13.7	0.00218	0.00527	0.000112	0.000277	0.000127	0.0911	0.00000204	0.000171	0.000251	0.00111	0.000436
2056 Jan	0.000148	0.00106	0.0316	0.000004	1.56	2.69	0.0196	0.000301	13.7	0.00218	0.00527	0.000112	0.000277	0.000127	0.0911	0.00000204	0.000171	0.000251	0.00111	0.000436
2056 Feb	0.000148	0.00106	0.0316	0.000004	1.56	2.69	0.0196	0.000301	13.7	0.00218	0.00527	0.000112	0.000277	0.000127	0.0911	0.00000204	0.000171	0.000251	0.00111	0.000436

Appendix D.3-1: WN Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2056 Mar	0.000148	0.00106	0.0316	0.000004	1.56	2.69	0.0196	0.000301	13.7	0.00218	0.00527	0.000112	0.000277	0.000127	0.0911	0.00000204	0.000171	0.000251	0.00111	0.000436
2056 Apr	0.000148	0.00106	0.0317	0.000004	1.56	2.7	0.0196	0.000301	13.7	0.00218	0.00528	0.000112	0.000277	0.000127	0.0911	0.00000204	0.000171	0.000251	0.00111	0.000436
2056 May	0.000149	0.00107	0.032	0.00000402	1.57	2.7	0.0198	0.000301	13.7	0.00218	0.00529	0.000113	0.000277	0.000127	0.0913	0.00000205	0.000171	0.000253	0.00111	0.000436
2056 Jun	0.00015	0.00106	0.033	0.00000404	1.56	2.7	0.0202	0.000299	13.6	0.00217	0.00531	0.000117	0.000275	0.000127	0.0913	0.00000203	0.00017	0.000258	0.00111	0.00043
2056 Jul	0.000151	0.00107	0.0332	0.00000407	1.57	2.72	0.0203	0.000301	13.8	0.00218	0.00533	0.000118	0.000278	0.000128	0.0919	0.00000204	0.000171	0.00026	0.00112	0.000433
2056 Aug	0.000152	0.00107	0.0334	0.00000409	1.57	2.74	0.0205	0.000304	13.9	0.0022	0.00535	0.00012	0.00028	0.000128	0.0925	0.00000205	0.000172	0.000261	0.00112	0.000436
2056 Sep	0.000153	0.00108	0.0335	0.0000041	1.58	2.76	0.0206	0.000306	14.1	0.00222	0.00537	0.000121	0.000282	0.000129	0.0931	0.00000206	0.000173	0.000262	0.00112	0.000439
2056 Oct	0.000153	0.00108	0.0335	0.0000041	1.58	2.78	0.0207	0.000308	14.3	0.00224	0.00537	0.000122	0.000284	0.00013	0.0934	0.00000205	0.000173	0.000263	0.00112	0.00044
2056 Nov	0.000153	0.00108	0.0335	0.0000041	1.58	2.78	0.0207	0.000309	14.4	0.00224	0.00537	0.000122	0.000285	0.000131	0.0936	0.00000205	0.000173	0.000264	0.00112	0.000441
2056 Dec	0.000153	0.00108	0.0335	0.0000041	1.58	2.79	0.0207	0.000309	14.4	0.00225	0.00537	0.000122	0.000285	0.000131	0.0937	0.00000205	0.000174	0.000264	0.00112	0.000441
2057 Jan	0.000153	0.00108	0.0335	0.0000041	1.58	2.79	0.0207	0.000309	14.4	0.00225	0.00537	0.000122	0.000285	0.000131	0.0937	0.00000205	0.000174	0.000264	0.00112	0.000441
2057 Feb	0.000153	0.00108	0.0335	0.0000041	1.58	2.79	0.0207	0.000309	14.4	0.00225	0.00537	0.000122	0.000285	0.000131	0.0937	0.00000205	0.000174	0.000264	0.00112	0.000441
2057 Mar	0.000153	0.00108	0.0335	0.00000411	1.58	2.79	0.0207	0.000309	14.4	0.00225	0.00537	0.000122	0.000285	0.000131	0.0937	0.00000205	0.000174	0.000264	0.00112	0.000441
2057 Apr	0.000153	0.00108	0.0335	0.00000411	1.58	2.79	0.0207	0.000309	14.4	0.00225	0.00537	0.000122	0.000285	0.000131	0.0937	0.00000206	0.000174	0.000264	0.00113	0.000442
2057 May	0.000154	0.00108	0.0336	0.00000412	1.59	2.79	0.0208	0.000309	14.4	0.00225	0.00538	0.000123	0.000286	0.000131	0.0939	0.00000206	0.000174	0.000265	0.00113	0.000442
2057 Jun	0.000155	0.00108	0.0345	0.00000415	1.58	2.78	0.021	0.000307	14.3	0.00224	0.0054	0.000126	0.000284	0.00013	0.0936	0.00000205	0.000172	0.000268	0.00113	0.000437
2057 Jul	0.000155	0.00108	0.0347	0.00000417	1.58	2.8	0.0212	0.000309	14.4	0.00225	0.00542	0.000127	0.000286	0.000131	0.0941	0.00000205	0.000173	0.00027	0.00113	0.000438
2057 Aug	0.000157	0.00109	0.035	0.00000421	1.6	2.83	0.0214	0.000312	14.7	0.00228	0.00546	0.000128	0.000289	0.000132	0.095	0.00000207	0.000175	0.000273	0.00114	0.000443
2057 Sep	0.000158	0.0011	0.0351	0.00000422	1.6	2.86	0.0216	0.000315	14.9	0.0023	0.00548	0.00013	0.000292	0.000133	0.0958	0.00000207	0.000176	0.000274	0.00115	0.000446
2057 Oct	0.000158	0.0011	0.0351	0.00000422	1.61	2.89	0.0217	0.000318	15.2	0.00233	0.00548	0.000131	0.000296	0.000135	0.0964	0.00000207	0.000177	0.000276	0.00115	0.00045
2057 Nov	0.000159	0.0011	0.0351	0.00000422	1.61	2.89	0.0218	0.000318	15.3	0.00233	0.00548	0.000132	0.000296	0.000135	0.0966	0.00000208	0.000177	0.000276	0.00115	0.00045
2057 Dec	0.000159	0.0011	0.0351	0.00000422	1.61	2.89	0.0218	0.000318	15.3	0.00233	0.00548	0.000132	0.000296	0.000135	0.0966	0.00000208	0.000177	0.000276	0.00115	0.000451
2058 Jan	0.000159	0.0011	0.0351	0.00000422	1.61	2.89	0.0218	0.000318	15.3	0.00233	0.00548	0.000132	0.000296	0.000135	0.0966	0.00000208	0.000177	0.000276	0.00115	0.000451
2058 Feb	0.000159	0.0011	0.0351	0.00000422	1.61	2.89	0.0218	0.000318	15.3	0.00233	0.00548	0.000132	0.000296	0.000135	0.0966	0.00000208	0.000177	0.000276	0.00115	0.000451
2058 Mar	0.000159	0.0011	0.0351	0.00000423	1.61	2.89	0.0218	0.000318	15.3	0.00233	0.00548	0.000132	0.000296	0.000135	0.0966	0.00000208	0.000177	0.000276	0.00115	0.000451
2058 Apr	0.000159	0.0011	0.0351	0.00000423	1.61	2.89	0.0218	0.000319	15.3	0.00234	0.00548	0.000132	0.000297	0.000135	0.0967	0.00000208	0.000177	0.000276	0.00115	0.000451
2058 May	0.000161	0.00111	0.0355	0.00000424	1.62	2.94	0.0222	0.000323	15.8	0.00238	0.0055	0.000136	0.000302	0.000137	0.0979	0.00000208	0.000179	0.00028	0.00116	0.000456
2058 Jun	0.000165	0.00111	0.0368	0.00000428	1.62	3.02	0.0232	0.000327	16.5	0.00243	0.00551	0.000147	0.000309	0.00014	0.0997	0.00000206	0.00018	0.000291	0.00116	0.000458
2058 Jul	0.000166	0.00112	0.0371	0.0000043	1.62	3.03	0.0233	0.000329	16.6	0.00245	0.00553	0.000148	0.00031	0.000141	0.1	0.00000207	0.00018	0.000293	0.00117	0.00046
2058 Aug	0.000167	0.00112	0.0373	0.00000432	1.63	3.06	0.0235	0.000332	16.8	0.00247	0.00556	0.000149	0.000313	0.000142	0.101	0.00000208	0.000182	0.000295	0.00117	0.000463
2058 Sep	0.000167	0.00113	0.0373	0.00000433	1.63	3.08	0.0236	0.000334	17.1	0.00249	0.00556	0.000151	0.000316	0.000143	0.101	0.00000208	0.000182	0.000296	0.00117	0.000466
2058 Oct	0.000168	0.00113	0.0373	0.00000433	1.64	3.1	0.0237	0.000336	17.3	0.00251	0.00556	0.000152	0.000318	0.000144	0.102	0.00000207	0.000183	0.000297	0.00117	0.000468
2058 Nov	0.000168	0.00113	0.0374	0.00000434	1.64	3.11	0.0238	0.000337	17.3	0.00251	0.00556	0.000152	0.000318	0.000144	0.102	0.00000208	0.000183	0.000297	0.00117	0.000468
2058 Dec	0.000168	0.00113	0.0374	0.00000434	1.64	3.11	0.0238	0.000337	17.3	0.00251	0.00556	0.000152	0.000318	0.000144	0.102	0.00000208	0.000183	0.000297	0.00118	0.000469
2059 Jan	0.000168	0.00113	0.0374	0.00000434	1.64	3.11	0.0238	0.000337	17.3	0.00251	0.00556	0.000152	0.000318	0.000144	0.102	0.00000208	0.000183	0.000297	0.00118	0.000469
2059 Feb	0.000168	0.00113	0.0374	0.00000434	1.64	3.11	0.0238	0.000337	17.3	0.00251	0.00556	0.000152	0.000318	0.000144	0.102	0.00000208	0.000183	0.000297	0.00118	0.000469
2059 Mar	0.000168	0.00113	0.0374	0.00000434	1.64	3.11	0.0238	0.000337	17.3	0.00251	0.00556	0.000152	0.000318	0.000144	0.102	0.00000208	0.000183	0.000297	0.00118	0.000469
2059 Apr	0.000168	0.00113	0.0374	0.00000434	1.64	3.11	0.0238	0.000337	17.3	0.00251	0.00557	0.000152	0.000318	0.000144	0.102	0.00000208	0.000183	0.000297	0.00118	0.000469
2059 May	0.000169	0.00114	0.0376	0.00000435	1.64	3.12	0.0239	0.000338	17.4	0.00252	0.00558	0.000153	0.00032	0.000144	0.102	0.00000208	0.000184	0.000299	0.00118	0.00047
2059 Jun	0.000171	0.00114	0.0384	0.00000438	1.64	3.14	0.0244	0.000339	17.5	0.00253	0.0056	0.000158	0.000321	0.000145	0.103	0.00000208	0.000184	0.000304	0.00118	0.000469
2059 Jul	0.000172	0.00115	0.0387	0.00000441	1.65	3.17	0.0246	0.000342	17.7	0.00256	0.00564	0.000159	0.000324	0.000146	0.104	0.00000209	0.000185	0.000306	0.00119	0.000473
2059 Aug	0.000174	0.00115	0.039	0.00000444	1.67	3.2	0.0248	0.000345	17.9	0.00258	0.00568	0.000161	0.000327	0.000147	0.105	0.0000021	0.000187	0.000308	0.0012	0.000477
2059 Sep	0.000174	0.00116	0.0391	0.00000445	1.67	3.21	0.0249	0.000347	18.1	0.0026	0.00569	0.000162	0.000329	0.000148	0.105	0.00000211	0.000187	0.00031	0.0012	0.000479
2059 Oct	0.000174	0.00116	0.039	0.00000445	1.67	3.22	0.0249	0.000348	18.2	0.00261	0.00568	0.000162	0.000329	0.000149	0.105	0.0000021	0.000187	0.000309	0.0012	0.000479
2059 Nov	0.000174	0.00116	0.039	0.00000445	1.67	3.23	0.0249	0.000349	18.3	0.00261	0.00568	0.000163	0.00033	0.000149	0.105	0.0000021	0.000188	0.00031	0.0012	0.00048
2059 Dec	0.000174	0.00116	0.039	0.00000445	1.67	3.23	0.025	0.000349	18.3	0.00261	0.00568	0.000163	0.00033	0.000149	0.105	0.0000021	0.000188	0.00031	0.0012	0.00048
2060 Jan	0.000174	0.00116	0.039	0.00000445	1.67	3.23	0.025	0.000349	18.3	0.00261	0.00568	0.000163	0.00033	0.000149	0.106	0.0000021	0.000188	0.00031	0.0012	0.00048
2060 Feb	0.000174	0.00116	0.039	0.00000445	1.67	3.23	0.025	0.000349	18.3	0.00261	0.00568	0.000163	0.00033	0.000149	0.106	0.0000021	0.000188	0.00031	0.0012	0.00048
2060 Mar	0.000174	0.00116	0.039	0.00000445	1.67	3.23	0.025	0.000349	18.3	0.00261	0.00568	0.000163	0.00033	0.000149	0.106	0.0000021	0.000188	0.00031	0.0012	0.00048
2060 Apr	0.000174	0.00116	0.039	0.00000445	1.67	3.23	0.025	0.000349	18.4	0.00262	0.00568	0.000163	0.000331	0.000149	0.106	0.0000021	0.000188	0.00031	0.0012	0.00048
2060 May	0.000176	0.00116	0.0396	0.00000447	1.67	3.26	0.0253	0.000351	18.5	0.00263	0.0057	0.000166	0.000332	0.00015	0.106	0.0000021	0.000188	0.000313	0.0012	0.000481
2060 Jun	0.000178	0.00116	0.0406	0.0000045	1.67	3.26	0.0257	0.000349	18.5	0.00262	0.00572	0.00017	0.000332	0.000149	0.106	0.00000209	0.000187	0.000319	0.0012	0.000477
2060 Jul	0.000179	0.00117	0.0409	0.00000453	1.68	3.28	0.0259	0.000352	18.6	0.00264	0.00576	0.000172	0.000334	0.000151	0.107	0.0000021	0.000188	0.000321	0.00121	0.00048
2060 Aug	0.00018	0.00117	0.0411	0.00000455	1.68	3.3	0.0261	0.000354	18.8	0.00266	0.00578	0.000173	0.000336	0.000152	0.108	0.00000211	0.000189	0.000323	0.00122	0.000483
2060 Sep	0.00018	0.00117	0.0411	0.00000455	1.68	3.32	0.0261	0.000356	19	0.00268	0.00577	0.000174	0.000338	0.000152	0.108	0.0000021	0.00019	0.000323	0.00122	0.000484
2060 Oct	0.000181	0.00117	0.0412	0.00000456	1.68	3.34	0.0262	0.000358	19.2	0.0027	0.00577	0.000175	0.00034	0.000153	0.108	0.0000021	0.00019	0.000324	0.00122	0.000486
2060 Nov	0.000181	0.00118	0.0412	0.00000456	1.68	3.35	0.0263	0.000359	19.3	0.0027	0.00577	0.000176	0.000341	0.000153	0.109	0.0000021	0.00019	0.000324	0.00122	0.000486
2060 Dec	0.000181	0.00118	0.0412	0.00000456	1.68	3.35	0.0263	0.000359	19.3	0.0027	0.00577	0.000176	0.000341	0.000153	0.109	0.0000021	0.000191	0.000324	0.00122	0.000487
2061 Jan	0.000181	0.00118	0.0412	0.00000456	1.68	3.35	0.0263	0.000359	19.4	0.00271	0.00577	0.000176	0.000341	0.000153	0.109	0.0000021	0.000191	0.000324	0.00122	0.000487
2061 Feb	0.000181	0.00118	0.0412	0.00000456	1.68	3.35	0.0263	0.000359	19.4	0.00271	0.00577	0.000176	0.000341	0.000153	0.109	0.0000021	0.000191	0.000324	0.00122	0.000487
2061 Mar	0.000181	0.00118	0.0412	0.00000456	1.68	3.35	0.0263	0.000359	19.4	0.00271	0.00577	0.000176	0.000341	0.000153	0.109	0.0000021	0.000191	0.000324	0.00122	0.000487
2061 Apr	0.000181	0.00118	0.0412	0.00000456	1.69	3.35	0.0263	0.00036	19.4	0.00271	0.00578	0.000176	0.000341	0.000154	0.109	0.0000021	0.000191	0.000325	0.00122	0.000487
2061 May	0.000183	0.00118	0.0418	0.00000459	1.69	3.38	0.0267	0.000362	19.6	0.00273	0.0058	0.00018	0.000344	0.000155	0.11	0.00000211	0.000191	0.000329	0.00122	0.000489
2061 Jun	0.000185	0.00118	0.0428	0.00000461	1.68	3.39	0.0272	0.000361	19.7	0.00273	0.0058	0.000185	0.000344	0.000155	0.11	0.00000209	0.00019	0.000334	0.00122	0.000485
2061 Jul	0.000187	0.00118	0.0431	0.00000464	1.69	3.42	0.0274	0.000364	19.9	0.00275	0.00584	0.000187	0.000347	0.000156	0.111	0.0000021	0.000191	0.000337	0.00123	0.000489
2061 Aug	0.000188	0.00119	0.0434	0.00000467	1.71	3.45	0.0276	0.000367	20.1	0.00278	0.00587	0.000189	0.00035	0.000157	0.112	0.00000211	0.000193	0.000339	0.00124	0.000493
2061 Sep	0.000189	0.0012	0.0435	0.00000468	1.71	3.48	0.0278	0.00037	20.4	0.0028	0.00588	0.00019	0.000353	0.000158	0.112	0.00000212	0.000194	0.000341	0.00124	0.000496
2061 Oct	0.000189	0.0012	0.0434	0.00000467	1.71	3.5	0.0279	0.000372	20.6	0.00282	0.00587	0.000191	0.000355	0.000159	0.113	0.00000211	0.000194	0.000341	0.00124	0.000497
2061 Nov	0.000189	0.0012	0.0434	0.00000467	1.71	3.5	0.0279	0.000373	20.7	0.00283	0.00587	0.000192	0.000356	0.00016	0.113	0.00000211	0.000195	0.000341	0.00124	0.000498
2061 Dec	0.000189	0.0012	0.0434	0.00000467	1.71	3.51	0.0279	0.000373	20.7	0.00283	0.00587	0.000192	0.000356	0.00016	0.113	0.00000211	0.000195	0.000341	0.00124	0.000498
2062 Jan	0.000189	0.0012	0.0434	0.00000467	1.71	3.51	0.0279	0.000373	20.8	0.00283	0.00587	0.000192	0.000356	0.00016	0.113	0.00000211	0.000195	0.000342	0.00124	0.000498

Appendix D.3-1: WN Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2062 Feb	0.000189	0.0012	0.0434	0.00000467	1.71	3.51	0.0279	0.000373	20.8	0.00283	0.00587	0.000192	0.000356	0.00016	0.113	0.00000211	0.000195	0.000342	0.00124	0.000498
2062 Mar	0.000189	0.0012	0.0434	0.00000467	1.71	3.51	0.0279	0.000373	20.8	0.00283	0.00587	0.000192	0.000356	0.00016	0.113	0.00000211	0.000195	0.000342	0.00124	0.000498
2062 Apr	0.000189	0.0012	0.0434	0.00000467	1.71	3.51	0.0279	0.000373	20.8	0.00283	0.00587	0.000192	0.000357	0.00016	0.113	0.00000211	0.000195	0.000342	0.00124	0.000499
2062 May	0.000189	0.0012	0.0434	0.00000468	1.71	3.51	0.028	0.000374	20.8	0.00284	0.00588	0.000192	0.000357	0.00016	0.113	0.00000211	0.000195	0.000342	0.00124	0.000499
2062 Jun	0.000188	0.00119	0.0438	0.00000471	1.7	3.49	0.0279	0.000371	20.6	0.00282	0.00589	0.000192	0.000355	0.000159	0.112	0.0000021	0.000193	0.000343	0.00124	0.000494
2062 Jul	0.000189	0.00119	0.0441	0.00000473	1.7	3.49	0.0279	0.000371	20.6	0.00282	0.0059	0.000192	0.000355	0.000159	0.112	0.0000021	0.000193	0.000345	0.00125	0.000493
2062 Aug	0.000189	0.0012	0.0442	0.00000475	1.7	3.51	0.0281	0.000373	20.9	0.00284	0.00592	0.000194	0.000358	0.00016	0.113	0.0000021	0.000194	0.000346	0.00125	0.000495
2062 Sep	0.00019	0.0012	0.0443	0.00000476	1.7	3.53	0.0282	0.000375	21	0.00285	0.00592	0.000195	0.000359	0.00016	0.113	0.0000021	0.000194	0.000346	0.00125	0.000496
2062 Oct	0.000189	0.00119	0.0443	0.00000475	1.69	3.53	0.0282	0.000376	21.2	0.00286	0.0059	0.000196	0.000359	0.00016	0.113	0.00000209	0.000194	0.000346	0.00124	0.000495
2062 Nov	0.000189	0.0012	0.0443	0.00000476	1.69	3.54	0.0282	0.000377	21.2	0.00286	0.0059	0.000196	0.00036	0.00016	0.113	0.00000209	0.000194	0.000346	0.00124	0.000495
2062 Dec	0.000189	0.0012	0.0443	0.00000476	1.69	3.54	0.0282	0.000377	21.3	0.00286	0.0059	0.000196	0.00036	0.000161	0.113	0.00000209	0.000194	0.000347	0.00124	0.000495
2063 Jan	0.000189	0.0012	0.0443	0.00000476	1.69	3.54	0.0282	0.000377	21.3	0.00286	0.0059	0.000196	0.00036	0.000161	0.113	0.00000209	0.000194	0.000347	0.00124	0.000496
2063 Feb	0.000189	0.0012	0.0443	0.00000476	1.69	3.54	0.0282	0.000377	21.3	0.00286	0.0059	0.000196	0.00036	0.000161	0.113	0.00000209	0.000194	0.000347	0.00124	0.000496
2063 Mar	0.000189	0.0012	0.0443	0.00000476	1.69	3.54	0.0282	0.000377	21.3	0.00286	0.0059	0.000196	0.00036	0.000161	0.113	0.00000209	0.000194	0.000347	0.00124	0.000496
2063 Apr	0.000189	0.0012	0.0444	0.00000476	1.69	3.54	0.0282	0.000377	21.3	0.00286	0.00591	0.000196	0.00036	0.000161	0.113	0.00000209	0.000194	0.000347	0.00124	0.000496
2063 May	0.00019	0.0012	0.0447	0.00000477	1.7	3.55	0.0284	0.000378	21.3	0.00287	0.00592	0.000197	0.000361	0.000161	0.114	0.00000209	0.000194	0.000348	0.00125	0.000495
2063 Jun	0.000191	0.00118	0.0459	0.00000479	1.68	3.51	0.0287	0.000371	20.9	0.00282	0.00592	0.000201	0.000355	0.000158	0.113	0.00000206	0.00019	0.000353	0.00124	0.000483
2063 Jul	0.000192	0.00118	0.0461	0.0000048	1.68	3.51	0.0287	0.000372	21	0.00282	0.00593	0.000202	0.000356	0.000158	0.113	0.00000206	0.00019	0.000354	0.00124	0.000483
2063 Aug	0.000193	0.00119	0.0464	0.00000483	1.69	3.55	0.029	0.000375	21.2	0.00285	0.00596	0.000204	0.000359	0.00016	0.114	0.00000207	0.000192	0.000356	0.00125	0.000487
2063 Sep	0.000194	0.0012	0.0464	0.00000484	1.69	3.57	0.0291	0.000378	21.5	0.00288	0.00597	0.000205	0.000362	0.000161	0.114	0.00000208	0.000193	0.000358	0.00125	0.000491
2063 Oct	0.000194	0.0012	0.0464	0.00000484	1.69	3.59	0.0292	0.00038	21.7	0.00289	0.00596	0.000206	0.000364	0.000162	0.115	0.00000207	0.000193	0.000359	0.00125	0.000493
2063 Nov	0.000194	0.0012	0.0464	0.00000484	1.69	3.6	0.0293	0.00038	21.8	0.0029	0.00596	0.000207	0.000365	0.000162	0.115	0.00000207	0.000194	0.000359	0.00125	0.000493
2063 Dec	0.000194	0.0012	0.0464	0.00000484	1.69	3.6	0.0293	0.000381	21.8	0.0029	0.00597	0.000207	0.000365	0.000162	0.115	0.00000207	0.000194	0.000359	0.00125	0.000494
2064 Jan	0.000194	0.0012	0.0464	0.00000484	1.69	3.6	0.0293	0.000381	21.8	0.0029	0.00597	0.000207	0.000365	0.000162	0.115	0.00000207	0.000194	0.000359	0.00125	0.000494
2064 Feb	0.000194	0.0012	0.0464	0.00000485	1.69	3.6	0.0293	0.000381	21.8	0.0029	0.00597	0.000207	0.000365	0.000162	0.115	0.00000207	0.000194	0.000359	0.00125	0.000494
2064 Mar	0.000194	0.0012	0.0464	0.00000485	1.69	3.6	0.0293	0.000381	21.8	0.0029	0.00597	0.000207	0.000365	0.000162	0.115	0.00000207	0.000194	0.000359	0.00126	0.000494
2064 Apr	0.000194	0.0012	0.0464	0.00000485	1.69	3.6	0.0293	0.000381	21.8	0.0029	0.00597	0.000207	0.000365	0.000162	0.115	0.00000208	0.000194	0.000359	0.00126	0.000494
2064 May	0.000196	0.0012	0.0468	0.00000486	1.7	3.63	0.0296	0.000383	22	0.00292	0.00598	0.00021	0.000367	0.000163	0.116	0.00000208	0.000194	0.000362	0.00126	0.000496
2064 Jun	0.000198	0.0012	0.0479	0.00000488	1.69	3.65	0.0302	0.000382	22.2	0.00293	0.00598	0.000216	0.000368	0.000164	0.116	0.00000206	0.000193	0.000369	0.00126	0.000492
2064 Jul	0.000199	0.00121	0.0482	0.0000049	1.7	3.67	0.0303	0.000385	22.4	0.00295	0.00601	0.000217	0.000371	0.000165	0.117	0.00000207	0.000194	0.000371	0.00126	0.000495
2064 Aug	0.0002	0.00121	0.0483	0.00000492	1.7	3.69	0.0305	0.000387	22.6	0.00297	0.00603	0.000219	0.000373	0.000166	0.117	0.00000207	0.000195	0.000372	0.00127	0.000498
2064 Sep	0.000201	0.00122	0.0483	0.00000493	1.71	3.72	0.0307	0.000391	22.9	0.003	0.00602	0.000221	0.000377	0.000167	0.118	0.00000207	0.000196	0.000373	0.00127	0.000501
2064 Oct	0.000202	0.00122	0.0484	0.00000493	1.71	3.75	0.0308	0.000394	23.2	0.00303	0.00603	0.000223	0.00038	0.000168	0.119	0.00000207	0.000197	0.000375	0.00127	0.000505
2064 Nov	0.000202	0.00122	0.0484	0.00000494	1.71	3.76	0.0309	0.000395	23.3	0.00304	0.00603	0.000223	0.000381	0.000169	0.119	0.00000207	0.000198	0.000376	0.00127	0.000506
2064 Dec	0.000202	0.00122	0.0484	0.00000494	1.71	3.77	0.0309	0.000395	23.3	0.00304	0.00603	0.000223	0.000381	0.000169	0.119	0.00000207	0.000198	0.000376	0.00127	0.000506
2065 Jan	0.000202	0.00122	0.0484	0.00000494	1.71	3.77	0.0309	0.000395	23.3	0.00304	0.00603	0.000223	0.000381	0.000169	0.119	0.00000207	0.000198	0.000376	0.00127	0.000506
2065 Feb	0.000202	0.00122	0.0484	0.00000494	1.71	3.77	0.0309	0.000395	23.3	0.00304	0.00603	0.000223	0.000381	0.000169	0.119	0.00000207	0.000198	0.000376	0.00127	0.000506
2065 Mar	0.000202	0.00122	0.0484	0.00000494	1.71	3.77	0.0309	0.000395	23.4	0.00304	0.00603	0.000223	0.000381	0.000169	0.119	0.00000207	0.000198	0.000376	0.00127	0.000506
2065 Apr	0.000202	0.00122	0.0484	0.00000494	1.71	3.77	0.0309	0.000395	23.4	0.00304	0.00604	0.000223	0.000382	0.000169	0.119	0.00000207	0.000198	0.000376	0.00127	0.000507
2065 May	0.000204	0.00123	0.0488	0.00000496	1.72	3.8	0.0312	0.000398	23.6	0.00307	0.00605	0.000226	0.000385	0.00017	0.12	0.00000207	0.000199	0.000379	0.00128	0.000509
2065 Jun	0.000205	0.00122	0.0496	0.00000497	1.71	3.79	0.0315	0.000395	23.5	0.00305	0.00605	0.000229	0.000383	0.00017	0.12	0.00000206	0.000197	0.000383	0.00128	0.000504
2065 Jul	0.000206	0.00123	0.0499	0.00000501	1.72	3.82	0.0318	0.000398	23.8	0.00308	0.0061	0.000231	0.000386	0.000171	0.121	0.00000207	0.000199	0.000386	0.00129	0.000508
2065 Aug	0.000208	0.00124	0.0502	0.00000504	1.73	3.86	0.032	0.000402	24	0.00311	0.00613	0.000234	0.00039	0.000173	0.122	0.00000209	0.0002	0.000389	0.00129	0.000513
2065 Sep	0.000208	0.00124	0.0502	0.00000503	1.73	3.88	0.0321	0.000405	24.3	0.00313	0.00612	0.000235	0.000392	0.000173	0.122	0.00000208	0.000201	0.000389	0.00129	0.000515
2065 Oct	0.000208	0.00124	0.0501	0.00000503	1.73	3.9	0.0322	0.000407	24.6	0.00315	0.0061	0.000236	0.000394	0.000174	0.122	0.00000207	0.000201	0.000389	0.00129	0.000515
2065 Nov	0.000208	0.00124	0.0501	0.00000503	1.73	3.9	0.0322	0.000408	24.7	0.00315	0.00611	0.000236	0.000394	0.000174	0.122	0.00000207	0.000201	0.000389	0.00129	0.000516
2065 Dec	0.000208	0.00124	0.0501	0.00000503	1.73	3.9	0.0322	0.000408	24.7	0.00315	0.00611	0.000236	0.000395	0.000174	0.122	0.00000207	0.000201	0.000389	0.00129	0.000516
2066 Jan	0.000208	0.00124	0.0501	0.00000503	1.73	3.9	0.0322	0.000408	24.7	0.00315	0.00611	0.000236	0.000395	0.000174	0.122	0.00000207	0.000201	0.000389	0.00129	0.000516
2066 Feb	0.000208	0.00124	0.0501	0.00000503	1.73	3.91	0.0322	0.000408	24.7	0.00315	0.00611	0.000236	0.000395	0.000175	0.122	0.00000207	0.000201	0.000389	0.00129	0.000516
2066 Mar	0.000208	0.00124	0.0502	0.00000503	1.73	3.91	0.0322	0.000408	24.7	0.00315	0.00611	0.000236	0.000395	0.000175	0.123	0.00000207	0.000201	0.00039	0.00129	0.000517
2066 Apr	0.000208	0.00124	0.0502	0.00000504	1.73	3.91	0.0322	0.000408	24.7	0.00316	0.00611	0.000237	0.000395	0.000175	0.123	0.00000207	0.000201	0.00039	0.00129	0.000517
2066 May	0.000209	0.00124	0.0503	0.00000504	1.73	3.91	0.0323	0.000409	24.7	0.00316	0.00612	0.000237	0.000396	0.000175	0.123	0.00000207	0.000202	0.00039	0.00129	0.000517
2066 Jun	0.000208	0.00123	0.0509	0.00000506	1.72	3.88	0.0323	0.000404	24.4	0.00313	0.00612	0.000238	0.000392	0.000173	0.122	0.00000206	0.000199	0.000392	0.00129	0.000509
2066 Jul	0.00021	0.00124	0.0513	0.0000051	1.73	3.92	0.0326	0.000408	24.7	0.00316	0.00616	0.00024	0.000396	0.000175	0.123	0.00000207	0.000201	0.000396	0.0013	0.000514
2066 Aug	0.000211	0.00125	0.0516	0.00000513	1.74	3.95	0.0328	0.000412	25	0.00319	0.0062	0.000242	0.000399	0.000176	0.124	0.00000208	0.000202	0.000398	0.00131	0.000518
2066 Sep	0.000212	0.00126	0.0516	0.00000514	1.74	3.98	0.033	0.000414	25.2	0.00321	0.0062	0.000244	0.000402	0.000177	0.124	0.00000208	0.000203	0.0004	0.00131	0.000521
2066 Oct	0.000212	0.00126	0.0516	0.00000514	1.74	4	0.0331	0.000417	25.5	0.00323	0.0062	0.000245	0.000405	0.000178	0.125	0.00000208	0.000204	0.0004	0.00131	0.000523
2066 Nov	0.000213	0.00126	0.0516	0.00000514	1.74	4.01	0.0331	0.000417	25.6	0.00324	0.0062	0.000245	0.000405	0.000179	0.125	0.00000208	0.000204	0.000401	0.00131	0.000524
2066 Dec	0.000213	0.00126	0.0516	0.00000514	1.74	4.01	0.0331	0.000418	25.6	0.00324	0.0062	0.000245	0.000406	0.000179	0.125	0.00000208	0.000204	0.000401	0.00131	0.000524
2067 Jan	0.000213	0.00126	0.0516	0.00000514	1.74	4.01	0.0331	0.000418	25.6	0.00324	0.0062	0.000245	0.000406	0.000179	0.125	0.00000208	0.000204	0.000401	0.00131	0.000525
2067 Feb	0.000213	0.00126	0.0516	0.00000514	1.74	4.01	0.0332	0.000418	25.6	0.00324	0.0062	0.000246	0.000406	0.000179	0.125	0.00000208	0.000204	0.000401	0.00131	0.000525
2067 Mar	0.000213	0.00126	0.0516	0.00000514	1.74	4.01	0.0332	0.000418	25.6	0.00324	0.0062	0.000246	0.000406	0.000179	0.125	0.00000208	0.000204	0.000401	0.00131	0.000525
2067 Apr	0.000213	0.00126	0.0516	0.00000514	1.74	4.01	0.0332	0.000418	25.6	0.00324	0.0062	0.000246	0.000406	0.000179	0.125	0.00000208	0.000204	0.000401	0.00131	0.000525
2067 May	0.000214	0.00126	0.0519	0.00000516	1.75	4.02	0.0333	0.000418	25.7	0.00325	0.00622	0.000247	0.000406	0.000179	0.125	0.00000208	0.000204	0.000403	0.00131	0.000525
2067 Jun	0.000215	0.00126	0.0526	0.00000517	1.74	4.01	0.0335	0.000416	25.5	0.00323	0.00623	0.000249	0.000404	0.000178	0.125	0.00000207	0.000203	0.000406	0.00131	0.00052
2067 Jul	0.000217	0.00127	0.053	0.00000521	1.75	4.05	0.0339	0.00042	25.8	0.00326	0.00627	0.000252	0.000409	0.00018	0.126	0.00000209	0.000205	0.000409	0.00132	0.000525
2067 Aug	0.000218	0.00128	0.0533	0.00000524	1.76	4.08	0.0341	0.000424	26.1	0.0033	0.0063	0.000254	0.000412	0.000182	0.127	0.0000021	0.000206	0.000412	0.00133	0.00053
2067 Sep	0.000218	0.00128	0.0533	0.00000525	1.77	4.11	0.0342	0.000426	26.4	0.00332	0.0063	0.000255	0.000415	0.000183	0.128	0.0000021	0.000207	0.000413	0.00133	0.000532
2067 Oct	0.000218	0.00128	0.0533	0.00000524	1.76	4.12	0.0343	0.000428	26.6	0.00333	0.00629	0.000256	0.000416	0.000183	0.128	0.00000209	0.000207	0.000413	0.00133	0.000533
2067 Nov	0.000219	0.00128	0.0533	0.00000524	1.77	4.13	0.0343	0.000429	26.7	0.00334	0.00629	0.000256	0.000417	0.000183	0.128	0.00000209	0.000208	0.000413	0.00133	0.000534
2067 Dec	0.000219	0.00128	0.0533	0.00000525	1.77	4.13	0.0343	0.000429	26.7	0.00334	0.0063	0.000257	0.000417	0.000184	0.128	0.00000209	0.000208	0.000413	0.00133	0.000534
2068 Jan	0.000219	0.00128	0.0533	0.00000525	1.77	4.13	0.0343	0.000429	26.7	0.00334	0.0063	0.000257	0.000417	0.000184	0.128	0.00000209	0.000208	0.000413	0.00133	0.000535

Appendix D.3-1: WN Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2068 Feb	0.000219	0.00128	0.0533	0.00000525	1.77	4.13	0.0343	0.000429	26.7	0.00334	0.0063	0.000257	0.000417	0.000184	0.128	0.00000209	0.000208	0.000413	0.00133	0.000535
2068 Mar	0.000219	0.00128	0.0533	0.00000525	1.77	4.13	0.0343	0.000429	26.7	0.00334	0.0063	0.000257	0.000418	0.000184	0.128	0.00000209	0.000208	0.000414	0.00133	0.000535
2068 Apr	0.000219	0.00128	0.0533	0.00000525	1.77	4.14	0.0344	0.00043	26.7	0.00334	0.0063	0.000257	0.000418	0.000184	0.129	0.00000209	0.000208	0.000414	0.00133	0.000535
2068 May	0.00022	0.00129	0.0537	0.00000527	1.77	4.14	0.0345	0.00043	26.8	0.00335	0.00632	0.000259	0.000419	0.000184	0.129	0.0000021	0.000208	0.000416	0.00133	0.000535
2068 Jun	0.000221	0.00127	0.0546	0.00000526	1.75	4.11	0.0348	0.000425	26.5	0.00331	0.0063	0.000262	0.000414	0.000182	0.128	0.00000207	0.000205	0.000419	0.00133	0.000526
2068 Jul	0.000222	0.00128	0.0548	0.0000053	1.76	4.15	0.035	0.000428	26.8	0.00334	0.00633	0.000264	0.000418	0.000184	0.129	0.00000208	0.000206	0.000422	0.00133	0.00053
2068 Aug	0.000224	0.00129	0.0552	0.00000533	1.77	4.19	0.0353	0.000432	27.1	0.00338	0.00637	0.000266	0.000422	0.000185	0.13	0.00000209	0.000208	0.000425	0.00134	0.000535
2068 Sep	0.000224	0.00129	0.0553	0.00000534	1.78	4.21	0.0354	0.000434	27.3	0.00339	0.00637	0.000267	0.000424	0.000186	0.13	0.00000209	0.000209	0.000426	0.00134	0.000537
2068 Oct	0.000225	0.0013	0.0553	0.00000534	1.78	4.22	0.0355	0.000436	27.5	0.00341	0.00638	0.000268	0.000426	0.000187	0.131	0.00000209	0.000209	0.000427	0.00135	0.000539
2068 Nov	0.000225	0.0013	0.0553	0.00000535	1.78	4.23	0.0356	0.000437	27.5	0.00341	0.00638	0.000269	0.000426	0.000187	0.131	0.0000021	0.00021	0.000427	0.00135	0.00054
2068 Dec	0.000225	0.0013	0.0553	0.00000535	1.78	4.23	0.0356	0.000437	27.5	0.00342	0.00638	0.000269	0.000426	0.000187	0.131	0.0000021	0.00021	0.000427	0.00135	0.00054
2069 Jan	0.000225	0.0013	0.0553	0.00000535	1.78	4.23	0.0356	0.000437	27.5	0.00342	0.00638	0.000269	0.000427	0.000187	0.131	0.0000021	0.00021	0.000427	0.00135	0.00054
2069 Feb	0.000225	0.0013	0.0553	0.00000535	1.78	4.23	0.0356	0.000437	27.5	0.00342	0.00638	0.000269	0.000427	0.000187	0.131	0.0000021	0.00021	0.000427	0.00135	0.00054
2069 Mar	0.000225	0.0013	0.0553	0.00000535	1.78	4.23	0.0356	0.000437	27.5	0.00342	0.00638	0.000269	0.000427	0.000187	0.131	0.0000021	0.00021	0.000427	0.00135	0.00054
2069 Apr	0.000225	0.0013	0.0553	0.00000535	1.78	4.23	0.0356	0.000437	27.5	0.00342	0.00638	0.000269	0.000427	0.000187	0.131	0.0000021	0.00021	0.000428	0.00135	0.00054
2069 May	0.000225	0.0013	0.0555	0.00000536	1.78	4.24	0.0357	0.000438	27.6	0.00343	0.0064	0.00027	0.000428	0.000188	0.131	0.0000021	0.00021	0.000429	0.00135	0.000541
2069 Jun	0.000225	0.00129	0.0558	0.00000538	1.77	4.22	0.0356	0.000435	27.4	0.0034	0.0064	0.00027	0.000425	0.000186	0.131	0.00000209	0.000208	0.00043	0.00135	0.000536
2069 Jul	0.000226	0.0013	0.0562	0.00000541	1.78	4.24	0.0359	0.000437	27.6	0.00342	0.00643	0.000272	0.000428	0.000188	0.131	0.0000021	0.000209	0.000432	0.00136	0.000539
2069 Aug	0.000227	0.00131	0.0564	0.00000544	1.79	4.27	0.0361	0.000441	27.9	0.00345	0.00646	0.000273	0.000431	0.000189	0.132	0.00000211	0.000211	0.000435	0.00136	0.000542
2069 Sep	0.000227	0.0013	0.0563	0.00000543	1.79	4.28	0.0361	0.000441	28	0.00346	0.00645	0.000274	0.000432	0.000189	0.132	0.0000021	0.000211	0.000434	0.00136	0.000542
2069 Oct	0.000226	0.0013	0.0563	0.00000542	1.78	4.27	0.036	0.000441	28	0.00345	0.00644	0.000273	0.000431	0.000189	0.132	0.00000209	0.00021	0.000433	0.00136	0.00054
2069 Nov	0.000227	0.0013	0.0563	0.00000543	1.78	4.27	0.036	0.000442	28	0.00345	0.00644	0.000273	0.000431	0.000189	0.132	0.00000209	0.00021	0.000433	0.00136	0.00054
2069 Dec	0.000227	0.0013	0.0563	0.00000543	1.78	4.27	0.036	0.000442	28	0.00345	0.00644	0.000273	0.000431	0.000189	0.132	0.00000209	0.00021	0.000433	0.00136	0.00054
2070 Jan	0.000227	0.0013	0.0563	0.00000543	1.78	4.28	0.036	0.000442	28	0.00345	0.00644	0.000273	0.000431	0.000189	0.132	0.00000209	0.00021	0.000433	0.00136	0.00054
2070 Feb	0.000227	0.0013	0.0563	0.00000543	1.78	4.28	0.036	0.000442	28	0.00345	0.00644	0.000273	0.000431	0.000189	0.132	0.00000209	0.00021	0.000433	0.00136	0.000541
2070 Mar	0.000227	0.0013	0.0563	0.00000543	1.78	4.28	0.036	0.000442	28	0.00345	0.00644	0.000273	0.000431	0.000189	0.132	0.00000209	0.00021	0.000433	0.00136	0.000541
2070 Apr	0.000227	0.0013	0.0563	0.00000543	1.78	4.28	0.036	0.000442	28	0.00346	0.00644	0.000273	0.000431	0.000189	0.132	0.00000209	0.00021	0.000433	0.00136	0.000541
2070 May	0.000228	0.0013	0.0567	0.00000545	1.78	4.28	0.0361	0.000443	28	0.00346	0.00646	0.000275	0.000432	0.000189	0.132	0.0000021	0.00021	0.000435	0.00136	0.000541
2070 Jun	0.000229	0.0013	0.0574	0.00000546	1.78	4.27	0.0364	0.00044	27.8	0.00344	0.00647	0.000277	0.000429	0.000188	0.132	0.00000209	0.000209	0.000438	0.00136	0.000536
2070 Jul	0.00023	0.00131	0.0577	0.00000549	1.79	4.3	0.0366	0.000443	28.1	0.00347	0.0065	0.000279	0.000433	0.00019	0.133	0.0000021	0.00021	0.000441	0.00137	0.00054
2070 Aug	0.000231	0.00131	0.058	0.00000552	1.79	4.33	0.0368	0.000446	28.4	0.00349	0.00653	0.000281	0.000436	0.000191	0.134	0.00000211	0.000211	0.000443	0.00137	0.000543
2070 Sep	0.000231	0.00131	0.0579	0.00000552	1.79	4.34	0.0368	0.000447	28.5	0.0035	0.00652	0.000281	0.000436	0.000191	0.134	0.0000021	0.000211	0.000443	0.00137	0.000544
2070 Oct	0.000231	0.00131	0.0579	0.00000551	1.79	4.34	0.0368	0.000448	28.5	0.0035	0.00652	0.000281	0.000436	0.000191	0.134	0.0000021	0.000211	0.000442	0.00137	0.000543
2070 Nov	0.000231	0.00131	0.0579	0.00000552	1.79	4.34	0.0368	0.000448	28.5	0.0035	0.00652	0.000281	0.000437	0.000191	0.134	0.0000021	0.000211	0.000443	0.00137	0.000543
2070 Dec	0.000231	0.00131	0.0579	0.00000552	1.79	4.34	0.0368	0.000448	28.5	0.0035	0.00652	0.000281	0.000437	0.000191	0.134	0.0000021	0.000211	0.000443	0.00137	0.000543
2071 Jan	0.000231	0.00131	0.0579	0.00000552	1.79	4.34	0.0368	0.000448	28.5	0.0035	0.00652	0.000281	0.000437	0.000191	0.134	0.0000021	0.000211	0.000443	0.00137	0.000543
2071 Feb	0.000231	0.00131	0.0579	0.00000552	1.79	4.34	0.0368	0.000448	28.5	0.0035	0.00652	0.000281	0.000437	0.000191	0.134	0.0000021	0.000211	0.000443	0.00137	0.000543
2071 Mar	0.000231	0.00131	0.0579	0.00000552	1.79	4.34	0.0368	0.000448	28.5	0.0035	0.00652	0.000281	0.000437	0.000191	0.134	0.0000021	0.000211	0.000443	0.00137	0.000543
2071 Apr	0.000231	0.00131	0.0579	0.00000552	1.79	4.34	0.0368	0.000448	28.5	0.0035	0.00652	0.000281	0.000437	0.000191	0.134	0.0000021	0.000211	0.000443	0.00137	0.000543
2071 May	0.000232	0.00131	0.0582	0.00000553	1.79	4.34	0.0369	0.000448	28.5	0.0035	0.00653	0.000282	0.000436	0.000191	0.134	0.0000021	0.000211	0.000444	0.00137	0.000543
2071 Jun	0.000232	0.0013	0.0589	0.00000553	1.78	4.31	0.0371	0.000443	28.2	0.00347	0.00653	0.000284	0.000432	0.000189	0.133	0.00000208	0.000209	0.000446	0.00137	0.000535
2071 Jul	0.000233	0.00131	0.0592	0.00000556	1.78	4.33	0.0372	0.000445	28.3	0.00348	0.00655	0.000285	0.000434	0.00019	0.134	0.00000209	0.000209	0.000448	0.00137	0.000536
2071 Aug	0.000234	0.00131	0.0595	0.00000559	1.79	4.36	0.0374	0.000448	28.5	0.0035	0.00658	0.000287	0.000437	0.000191	0.135	0.0000021	0.00021	0.000451	0.00138	0.00054
2071 Sep	0.000234	0.00131	0.0594	0.00000559	1.79	4.36	0.0374	0.000449	28.6	0.00351	0.00658	0.000287	0.000438	0.000192	0.135	0.0000021	0.000211	0.00045	0.00138	0.00054
2071 Oct	0.000234	0.00131	0.0594	0.00000558	1.79	4.37	0.0374	0.000449	28.7	0.00351	0.00658	0.000287	0.000438	0.000192	0.135	0.00000209	0.00021	0.00045	0.00138	0.00054
2071 Nov	0.000234	0.00131	0.0594	0.00000559	1.79	4.37	0.0374	0.00045	28.7	0.00352	0.00658	0.000288	0.000438	0.000192	0.135	0.00000209	0.000211	0.00045	0.00138	0.000541
2071 Dec	0.000234	0.00131	0.0594	0.00000559	1.79	4.37	0.0374	0.00045	28.7	0.00352	0.00658	0.000288	0.000438	0.000192	0.135	0.00000209	0.000211	0.00045	0.00138	0.000541
2072 Jan	0.000234	0.00131	0.0594	0.00000559	1.79	4.37	0.0374	0.00045	28.7	0.00352	0.00658	0.000288	0.000438	0.000192	0.135	0.00000209	0.000211	0.00045	0.00138	0.000541
2072 Feb	0.000234	0.00131	0.0594	0.00000559	1.79	4.37	0.0374	0.00045	28.7	0.00352	0.00658	0.000288	0.000438	0.000192	0.135	0.00000209	0.000211	0.00045	0.00138	0.000541
2072 Mar	0.000234	0.00131	0.0594	0.00000559	1.79	4.37	0.0374	0.00045	28.7	0.00352	0.00658	0.000288	0.000438	0.000192	0.135	0.00000209	0.000211	0.00045	0.00138	0.000541
2072 Apr	0.000234	0.00131	0.0594	0.00000559	1.79	4.37	0.0375	0.00045	28.7	0.00352	0.00658	0.000288	0.000438	0.000192	0.135	0.00000209	0.000211	0.000451	0.00138	0.000541
2072 May	0.000235	0.00132	0.0596	0.0000056	1.79	4.38	0.0375	0.000451	28.8	0.00353	0.00659	0.000288	0.000439	0.000192	0.135	0.0000021	0.000211	0.000451	0.00138	0.000542
2072 Jun	0.000234	0.00131	0.0597	0.00000562	1.79	4.36	0.0374	0.000449	28.6	0.00351	0.0066	0.000288	0.000437	0.000191	0.135	0.00000209	0.00021	0.000452	0.00138	0.000538
2072 Jul	0.000235	0.00132	0.06	0.00000564	1.79	4.38	0.0376	0.000451	28.8	0.00352	0.00662	0.000289	0.000439	0.000192	0.135	0.0000021	0.000211	0.000453	0.00139	0.00054
2072 Aug	0.000235	0.00132	0.06	0.00000566	1.79	4.39	0.0376	0.000452	28.9	0.00353	0.00663	0.000289	0.00044	0.000192	0.135	0.0000021	0.000211	0.000453	0.00139	0.00054
2072 Sep	0.000235	0.00132	0.0601	0.00000566	1.79	4.39	0.0376	0.000452	28.9	0.00353	0.00663	0.000289	0.00044	0.000192	0.135	0.0000021	0.00021	0.000453	0.00139	0.00054
2072 Oct	0.000234	0.00131	0.06	0.00000566	1.78	4.38	0.0375	0.000452	28.9	0.00353	0.00662	0.000289	0.000439	0.000192	0.135	0.00000209	0.00021	0.000452	0.00138	0.000538
2072 Nov	0.000234	0.00131	0.06	0.00000566	1.78	4.38	0.0375	0.000453	28.9	0.00353	0.00662	0.000289	0.000439	0.000192	0.135	0.00000209	0.00021	0.000452	0.00138	0.000539
2072 Dec	0.000234	0.00131	0.06	0.00000566	1.78	4.39	0.0375	0.000453	28.9	0.00353	0.00662	0.000289	0.00044	0.000192	0.135	0.00000209	0.00021	0.000452	0.00138	0.000539
2073 Jan	0.000234	0.00131	0.06	0.00000566	1.78	4.39	0.0375	0.000453	29	0.00353	0.00662	0.000289	0.00044	0.000192	0.135	0.00000209	0.00021	0.000452	0.00138	0.000539
2073 Feb	0.000234	0.00131	0.06	0.00000566	1.78	4.39	0.0375	0.000453	29	0.00353	0.00662	0.000289	0.00044	0.000192	0.135	0.00000209	0.00021	0.000452	0.00138	0.000539
2073 Mar	0.000234	0.00131	0.06	0.00000566	1.78	4.39	0.0375	0.000453	29	0.00353	0.00662	0.000289	0.00044	0.000192	0.135	0.00000209	0.00021	0.000452	0.00138	0.000539
2073 Apr	0.000235	0.00132	0.0601	0.00000566	1.78	4.39	0.0376	0.000453	29	0.00354	0.00663	0.000289	0.00044	0.000192	0.135	0.00000209	0.00021	0.000453	0.00138	0.00054
2073 May	0.000236	0.00132	0.0605	0.00000568	1.79	4.42	0.0379	0.000456	29.2	0.00356	0.00664	0.000292	0.000443	0.000194	0.136	0.00000209	0.000211	0.000456	0.00139	0.000542
2073 Jun	0.000238	0.00132	0.0612	0.00000569	1.79	4.43	0.0383	0.000455	29.3	0.00356	0.00665	0.000296	0.000443	0.000194	0.136	0.00000208	0.00021	0.00046	0.00139	0.00054
2073 Jul	0.000239	0.00132	0.0614	0.00000572	1.79	4.45	0.0384	0.000458	29.5	0.00358	0.00667	0.000298	0.000445	0.000195	0.137	0.00000209	0.000211	0.000462	0.00139	0.000542
2073 Aug	0.00024	0.00133	0.0617	0.00000574	1.8	4.48	0.0386	0.00046	29.7	0.00361	0.0067	0.0003	0.000448	0.000196	0.138	0.0000021	0.000212	0.000465	0.0014	0.000546
2073 Sep	0.00024	0.00133	0.0617	0.00000575	1.8	4.49	0.0387	0.000462	29.9	0.00362	0.0067	0.0003	0.00045	0.000196	0.138	0.0000021	0.000213	0.000465	0.0014	0.000547
2073 Oct	0.00024	0.00133	0.0616	0.00000574	1.8	4.5	0.0387	0.000463	30	0.00362	0.00669	0.0003	0.00045	0.000197	0.138	0.00000209	0.000213	0.000465	0.0014	0.000547
2073 Nov	0.00024	0.00133	0.0616	0.00000574	1.8	4.5	0.0387	0.000463	30	0.00363	0.00669	0.000301	0.000451	0.000197	0.138	0.00000209	0.000213	0.000465	0.0014	0.000548
2073 Dec	0.00024	0.00133	0.0616	0.00000574	1.8	4.51	0.0387	0.000464	30	0.00363	0.00669	0.000301	0.000451	0.000197	0.138	0.00000209	0.000213	0.000465	0.0014	0.000548
2074 Jan	0.00024	0.00133	0.0616	0.00000574	1.8	4.51	0.0387	0.000464	30.1	0.00363	0.00669	0.000301	0.000451	0.000197	0.138	0.00000209	0.000213	0.000465	0.0014	0.000548

Appendix D.3-1: WN Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2074 Feb	0.00024	0.00133	0.0616	0.00000574	1.8	4.51	0.0387	0.000464	30.1	0.00363	0.00669	0.000301	0.000451	0.000197	0.138	0.00000209	0.000213	0.000465	0.0014	0.000548
2074 Mar	0.00024	0.00133	0.0616	0.00000574	1.8	4.51	0.0387	0.000464	30.1	0.00363	0.00669	0.000301	0.000451	0.000197	0.138	0.00000209	0.000213	0.000465	0.0014	0.000548
2074 Apr	0.00024	0.00133	0.0617	0.00000574	1.8	4.51	0.0388	0.000464	30.1	0.00363	0.0067	0.000301	0.000452	0.000197	0.138	0.00000209	0.000213	0.000465	0.0014	0.000549
2074 May	0.000242	0.00134	0.0623	0.00000576	1.8	4.54	0.0392	0.000466	30.4	0.00366	0.00671	0.000305	0.000454	0.000198	0.139	0.00000209	0.000214	0.00047	0.0014	0.000551
2074 Jun	0.000244	0.00133	0.063	0.00000576	1.79	4.54	0.0395	0.000464	30.3	0.00365	0.0067	0.000309	0.000453	0.000198	0.139	0.00000207	0.000212	0.000474	0.0014	0.000546
2074 Jul	0.000245	0.00134	0.0634	0.0000058	1.8	4.57	0.0398	0.000467	30.6	0.00367	0.00674	0.000311	0.000456	0.000199	0.14	0.00000209	0.000213	0.000476	0.00141	0.00055
2074 Aug	0.000247	0.00135	0.0637	0.00000583	1.82	4.61	0.0401	0.000471	30.9	0.00371	0.00678	0.000314	0.00046	0.000201	0.141	0.0000021	0.000215	0.00048	0.00142	0.000555
2074 Sep	0.000248	0.00135	0.0637	0.00000583	1.82	4.64	0.0402	0.000474	31.2	0.00374	0.00677	0.000315	0.000464	0.000202	0.142	0.0000021	0.000216	0.000481	0.00142	0.000558
2074 Oct	0.000248	0.00136	0.0636	0.00000583	1.82	4.67	0.0404	0.000477	31.5	0.00376	0.00677	0.000317	0.000466	0.000203	0.142	0.00000209	0.000217	0.000482	0.00142	0.000561
2074 Nov	0.000249	0.00136	0.0636	0.00000584	1.82	4.7	0.0405	0.00048	31.8	0.00379	0.00677	0.000318	0.00047	0.000205	0.143	0.00000209	0.000218	0.000483	0.00142	0.000565
2074 Dec	0.000249	0.00136	0.0636	0.00000584	1.82	4.7	0.0406	0.00048	31.9	0.00379	0.00677	0.000319	0.00047	0.000205	0.143	0.00000209	0.000218	0.000483	0.00142	0.000565
2075 Jan	0.000249	0.00136	0.0636	0.00000584	1.82	4.7	0.0406	0.000481	31.9	0.0038	0.00677	0.000319	0.00047	0.000205	0.143	0.00000209	0.000218	0.000483	0.00142	0.000566
2075 Feb	0.000249	0.00136	0.0636	0.00000584	1.82	4.7	0.0406	0.000481	31.9	0.0038	0.00677	0.000319	0.00047	0.000205	0.143	0.00000209	0.000218	0.000484	0.00142	0.000566
2075 Mar	0.000249	0.00136	0.0637	0.00000584	1.82	4.7	0.0406	0.000481	31.9	0.0038	0.00677	0.000319	0.000471	0.000205	0.143	0.00000209	0.000218	0.000484	0.00142	0.000566
2075 Apr	0.000249	0.00136	0.0637	0.00000584	1.82	4.71	0.0406	0.000481	31.9	0.0038	0.00678	0.000319	0.000471	0.000205	0.143	0.0000021	0.000218	0.000484	0.00142	0.000566
2075 May	0.00025	0.00137	0.0639	0.00000585	1.83	4.74	0.0408	0.000484	32.2	0.00383	0.00679	0.000321	0.000474	0.000207	0.144	0.0000021	0.000219	0.000486	0.00142	0.00057
2075 Jun	0.000249	0.00136	0.0639	0.00000586	1.82	4.7	0.0406	0.00048	31.9	0.00379	0.00678	0.000319	0.000471	0.000205	0.143	0.00000209	0.000217	0.000485	0.00142	0.000563
2075 Jul	0.000249	0.00136	0.0641	0.00000588	1.82	4.7	0.0406	0.00048	31.9	0.0038	0.0068	0.00032	0.000471	0.000205	0.143	0.00000209	0.000217	0.000486	0.00143	0.000563
2075 Aug	0.00025	0.00137	0.0644	0.00000591	1.82	4.73	0.0408	0.000482	32.1	0.00382	0.00682	0.000321	0.000474	0.000206	0.143	0.0000021	0.000218	0.000488	0.00143	0.000566
2075 Sep	0.000251	0.00137	0.0645	0.00000592	1.83	4.75	0.0409	0.000485	32.3	0.00384	0.00683	0.000323	0.000476	0.000207	0.144	0.0000021	0.000219	0.00049	0.00144	0.000568
2075 Oct	0.000251	0.00137	0.0644	0.00000592	1.83	4.75	0.041	0.000486	32.4	0.00384	0.00683	0.000323	0.000477	0.000207	0.144	0.0000021	0.000219	0.00049	0.00144	0.000569
2075 Nov	0.000251	0.00137	0.0645	0.00000592	1.83	4.76	0.041	0.000486	32.5	0.00385	0.00683	0.000323	0.000477	0.000207	0.144	0.0000021	0.000219	0.00049	0.00144	0.00057
2075 Dec	0.000251	0.00137	0.0645	0.00000592	1.83	4.76	0.041	0.000486	32.5	0.00385	0.00683	0.000323	0.000478	0.000207	0.144	0.0000021	0.000219	0.00049	0.00144	0.00057
2076 Jan	0.000251	0.00137	0.0645	0.00000592	1.83	4.76	0.041	0.000486	32.5	0.00385	0.00683	0.000323	0.000478	0.000208	0.144	0.0000021	0.000219	0.00049	0.00144	0.00057
2076 Feb	0.000251	0.00137	0.0645	0.00000592	1.83	4.76	0.041	0.000487	32.5	0.00385	0.00683	0.000324	0.000478	0.000208	0.144	0.0000021	0.00022	0.00049	0.00144	0.00057
2076 Mar	0.000251	0.00137	0.0645	0.00000592	1.83	4.77	0.041	0.000487	32.5	0.00385	0.00684	0.000324	0.000478	0.000208	0.144	0.0000021	0.00022	0.00049	0.00144	0.00057
2076 Apr	0.000251	0.00137	0.0645	0.00000592	1.83	4.77	0.041	0.000487	32.5	0.00385	0.00684	0.000324	0.000478	0.000208	0.144	0.0000021	0.00022	0.000491	0.00144	0.000571
2076 May	0.000252	0.00138	0.0648	0.00000594	1.83	4.77	0.0412	0.000487	32.5	0.00386	0.00685	0.000325	0.000478	0.000208	0.145	0.0000021	0.00022	0.000492	0.00144	0.000571
2076 Jun	0.000252	0.00136	0.0655	0.00000594	1.82	4.73	0.0413	0.000481	32.1	0.00381	0.00685	0.000326	0.000473	0.000205	0.144	0.00000209	0.000217	0.000494	0.00143	0.000562
2076 Jul	0.000253	0.00137	0.0658	0.00000596	1.82	4.75	0.0414	0.000483	32.2	0.00382	0.00687	0.000327	0.000474	0.000206	0.144	0.0000021	0.000217	0.000496	0.00144	0.000563
2076 Aug	0.000255	0.00138	0.0661	0.00000599	1.83	4.78	0.0417	0.000486	32.5	0.00385	0.0069	0.000329	0.000478	0.000208	0.145	0.00000211	0.000219	0.000499	0.00145	0.000567
2076 Sep	0.000255	0.00138	0.0662	0.00000601	1.84	4.8	0.0418	0.000488	32.7	0.00387	0.00692	0.000331	0.00048	0.000208	0.146	0.00000211	0.00022	0.0005	0.00145	0.000569
2076 Oct	0.000255	0.00138	0.0661	0.000006	1.84	4.8	0.0418	0.000489	32.8	0.00387	0.0069	0.000331	0.00048	0.000209	0.146	0.0000021	0.00022	0.000499	0.00145	0.00057
2076 Nov	0.000255	0.00138	0.066	0.000006	1.84	4.81	0.0418	0.00049	32.8	0.00388	0.0069	0.000331	0.000481	0.000209	0.146	0.0000021	0.00022	0.0005	0.00145	0.000571
2076 Dec	0.000255	0.00138	0.0661	0.000006	1.84	4.81	0.0418	0.00049	32.9	0.00388	0.0069	0.000331	0.000482	0.000209	0.146	0.0000021	0.00022	0.0005	0.00145	0.000571
2077 Jan	0.000255	0.00138	0.0661	0.000006	1.84	4.81	0.0418	0.00049	32.9	0.00389	0.0069	0.000331	0.000482	0.000209	0.146	0.0000021	0.00022	0.0005	0.00145	0.000571
2077 Feb	0.000255	0.00138	0.0661	0.000006	1.84	4.81	0.0418	0.00049	32.9	0.00389	0.0069	0.000331	0.000482	0.000209	0.146	0.0000021	0.00022	0.0005	0.00145	0.000571
2077 Mar	0.000255	0.00138	0.0661	0.000006	1.84	4.81	0.0418	0.00049	32.9	0.00389	0.0069	0.000331	0.000482	0.000209	0.146	0.0000021	0.00022	0.0005	0.00145	0.000571
2077 Apr	0.000255	0.00138	0.0661	0.000006	1.84	4.82	0.0418	0.00049	32.9	0.00389	0.00691	0.000331	0.000482	0.000209	0.146	0.0000021	0.00022	0.0005	0.00145	0.000571
2077 May	0.000256	0.00138	0.0664	0.00000601	1.84	4.82	0.042	0.000491	32.9	0.00389	0.00692	0.000333	0.000482	0.000209	0.146	0.00000211	0.00022	0.000502	0.00145	0.000571
2077 Jun	0.000256	0.00137	0.0669	0.00000601	1.83	4.8	0.0421	0.000486	32.6	0.00386	0.00691	0.000334	0.000479	0.000208	0.145	0.00000209	0.000218	0.000503	0.00145	0.000565
2077 Jul	0.000258	0.00138	0.0673	0.00000605	1.84	4.83	0.0424	0.00049	32.9	0.00389	0.00695	0.000336	0.000482	0.000209	0.146	0.0000021	0.000219	0.000507	0.00145	0.000569
2077 Aug	0.00026	0.00139	0.0677	0.00000608	1.85	4.86	0.0426	0.000493	33.1	0.00391	0.00698	0.000338	0.000485	0.000211	0.147	0.00000211	0.000221	0.000509	0.00146	0.000572
2077 Sep	0.000259	0.00139	0.0675	0.00000607	1.84	4.86	0.0425	0.000493	33.2	0.00392	0.00697	0.000338	0.000485	0.000211	0.147	0.00000211	0.00022	0.000508	0.00146	0.000572
2077 Oct	0.000259	0.00139	0.0675	0.00000607	1.84	4.87	0.0426	0.000495	33.4	0.00393	0.00697	0.000339	0.000486	0.000211	0.147	0.00000211	0.000221	0.000509	0.00146	0.000573
2077 Nov	0.000259	0.00139	0.0675	0.00000607	1.84	4.88	0.0426	0.000496	33.4	0.00393	0.00697	0.000339	0.000487	0.000211	0.147	0.00000211	0.000221	0.000509	0.00146	0.000574
2077 Dec	0.000259	0.00139	0.0675	0.00000607	1.84	4.88	0.0426	0.000496	33.4	0.00394	0.00697	0.000339	0.000487	0.000212	0.148	0.00000211	0.000221	0.000509	0.00146	0.000574
2078 Jan	0.000259	0.00139	0.0675	0.00000607	1.84	4.88	0.0426	0.000496	33.4	0.00394	0.00697	0.000339	0.000487	0.000212	0.148	0.00000211	0.000221	0.000509	0.00146	0.000574
2078 Feb	0.000259	0.00139	0.0675	0.00000607	1.84	4.88	0.0426	0.000496	33.4	0.00394	0.00697	0.000339	0.000487	0.000212	0.148	0.00000211	0.000221	0.000509	0.00146	0.000574
2078 Mar	0.000259	0.00139	0.0675	0.00000607	1.84	4.88	0.0426	0.000496	33.4	0.00394	0.00697	0.000339	0.000487	0.000212	0.148	0.00000211	0.000221	0.000509	0.00146	0.000574
2078 Apr	0.00026	0.00139	0.0675	0.00000608	1.85	4.89	0.0427	0.000496	33.5	0.00394	0.00697	0.000339	0.000488	0.000212	0.148	0.00000211	0.000221	0.000509	0.00146	0.000575
2078 May	0.000261	0.00139	0.0682	0.0000061	1.85	4.9	0.043	0.000497	33.6	0.00395	0.00699	0.000343	0.000489	0.000212	0.148	0.00000211	0.000221	0.000513	0.00146	0.000575
2078 Jun	0.000262	0.00139	0.0687	0.00000609	1.84	4.88	0.0432	0.000493	33.3	0.00392	0.00698	0.000345	0.000486	0.000211	0.148	0.00000209	0.000219	0.000515	0.00146	0.000569
2078 Jul	0.000264	0.00139	0.0692	0.00000613	1.85	4.92	0.0435	0.000497	33.6	0.00395	0.00702	0.000347	0.000489	0.000212	0.149	0.00000211	0.000221	0.000519	0.00147	0.000573
2078 Aug	0.000265	0.0014	0.0694	0.00000615	1.86	4.95	0.0437	0.0005	33.9	0.00398	0.00704	0.000349	0.000492	0.000214	0.149	0.00000211	0.000222	0.000521	0.00147	0.000576
2078 Sep	0.000266	0.00141	0.0695	0.00000617	1.86	4.98	0.0439	0.000503	34.2	0.004	0.00706	0.000351	0.000496	0.000215	0.15	0.00000212	0.000223	0.000523	0.00148	0.00058
2078 Oct	0.000266	0.00141	0.0694	0.00000617	1.86	5	0.044	0.000505	34.4	0.00403	0.00705	0.000352	0.000498	0.000216	0.151	0.00000211	0.000223	0.000523	0.00148	0.000583
2078 Nov	0.000266	0.00141	0.0694	0.00000617	1.86	5	0.044	0.000506	34.5	0.00403	0.00705	0.000352	0.000499	0.000216	0.151	0.00000211	0.000224	0.000524	0.00148	0.000584
2078 Dec	0.000266	0.00141	0.0694	0.00000617	1.86	5.01	0.044	0.000506	34.5	0.00403	0.00705	0.000352	0.000499	0.000216	0.151	0.00000211	0.000224	0.000524	0.00148	0.000584
2079 Jan	0.000266	0.00141	0.0694	0.00000617	1.86	5.01	0.044	0.000506	34.5	0.00404	0.00705	0.000353	0.000499	0.000216	0.151	0.00000211	0.000224	0.000524	0.00148	0.000584
2079 Feb	0.000266	0.00141	0.0694	0.00000617	1.86	5.01	0.044	0.000506	34.5	0.00404	0.00705	0.000353	0.000499	0.000216	0.151	0.00000211	0.000224	0.000524	0.00148	0.000584
2079 Mar	0.000266	0.00141	0.0694	0.00000617	1.86	5.01	0.044	0.000506	34.5	0.00404	0.00705	0.000353	0.000499	0.000217	0.151	0.00000211	0.000224	0.000524	0.00148	0.000584
2079 Apr	0.000267	0.00141	0.0695	0.00000617	1.87	5.01	0.0441	0.000506	34.5	0.00404	0.00706	0.000353	0.000499	0.000217	0.151	0.00000211	0.000224	0.000524	0.00148	0.000584
2079 May	0.000267	0.00141	0.0696	0.00000618	1.87	5.02	0.0442	0.000507	34.6	0.00405	0.00707	0.000353	0.0005	0.000217	0.151	0.00000212	0.000224	0.000525	0.00148	0.000585
2079 Jun	0.000266	0.0014	0.0698	0.00000618	1.85	4.97	0.044	0.000501	34.2	0.004	0.00705	0.000352	0.000495	0.000215	0.15	0.0000021	0.000221	0.000525	0.00148	0.000577
2079 Jul	0.000266	0.0014	0.07	0.0000062	1.85	4.98	0.0441	0.000502	34.3	0.00401	0.00707	0.000353	0.000496	0.000215	0.15	0.00000211	0.000222	0.000526	0.00148	0.000577
2079 Aug	0.000268	0.00141	0.0704	0.00000623	1.86	5.01	0.0443	0.000505	34.5	0.00404	0.0071	0.000355	0.0005	0.000216	0.151	0.00000212	0.000223	0.000529	0.00149	0.000581
2079 Sep	0.000268	0.00141	0.0703	0.00000623	1.86	5.03	0.0443	0.000507	34.7	0.00405	0.0071	0.000356	0.000501	0.000217	0.151	0.00000211	0.000223	0.000529	0.00149	0.000583
2079 Oct	0.000268	0.00141	0.0703	0.00000623	1.86	5.03	0.0444	0.000508	34.8	0.00406	0.00709	0.000356	0.000502	0.000217	0.151	0.00000211	0.000223	0.000529	0.00149	0.000583
2079 Nov	0.000268	0.00141	0.0703	0.00000623	1.86	5.03	0.0444	0.000508	34.8	0.00406	0.00709	0.000356	0.000502	0.000217	0.151	0.00000211	0.000223	0.000529	0.00149	0.000583
2079 Dec	0.000268	0.00141	0.0703	0.00000623	1.86	5.03	0.0443	0.000508	34.8	0.00406	0.00709	0.000356	0.000502	0.000217	0.151	0.00000211	0.000223	0.000528	0.00149	0.000583

Appendix D.3-1: WN Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Jan	0.000268	0.00141	0.0703	0.00000623	1.86	5.03	0.0443	0.000508	34.8	0.00406	0.00709	0.000356	0.000502	0.000217	0.151	0.00000211	0.000223	0.000528	0.00149	0.000583
2080 Feb	0.000268	0.00141	0.0703	0.00000623	1.86	5.03	0.0443	0.000508	34.8	0.00406	0.00709	0.000356	0.000502	0.000217	0.151	0.00000211	0.000223	0.000529	0.00149	0.000583
2080 Mar	0.000268	0.00141	0.0703	0.00000623	1.86	5.03	0.0444	0.000508	34.8	0.00406	0.00709	0.000356	0.000502	0.000217	0.151	0.00000211	0.000223	0.000529	0.00149	0.000583
2080 Apr	0.000268	0.00141	0.0703	0.00000623	1.86	5.04	0.0444	0.000509	34.8	0.00406	0.00709	0.000356	0.000502	0.000217	0.151	0.00000211	0.000223	0.000529	0.00149	0.000583
2080 May	0.000268	0.00142	0.0704	0.00000624	1.86	5.05	0.0445	0.00051	34.9	0.00407	0.00711	0.000357	0.000503	0.000218	0.152	0.00000211	0.000224	0.00053	0.00149	0.000584
2080 Jun	0.000267	0.00141	0.0705	0.00000625	1.85	5.02	0.0443	0.000507	34.7	0.00404	0.00711	0.000355	0.0005	0.000216	0.151	0.00000211	0.000222	0.000529	0.00149	0.00058
2080 Jul	0.000267	0.00141	0.0706	0.00000627	1.85	5.02	0.0443	0.000506	34.7	0.00404	0.00712	0.000356	0.000501	0.000216	0.151	0.00000211	0.000222	0.00053	0.00149	0.00058
2080 Aug	0.000268	0.00141	0.0708	0.00000629	1.86	5.04	0.0444	0.000509	34.9	0.00406	0.00714	0.000357	0.000503	0.000217	0.152	0.00000211	0.000223	0.000531	0.0015	0.000582
2080 Sep	0.000268	0.00142	0.0708	0.0000063	1.86	5.05	0.0445	0.00051	35	0.00407	0.00714	0.000357	0.000504	0.000218	0.152	0.00000211	0.000223	0.000531	0.0015	0.000583
2080 Oct	0.000268	0.00142	0.0708	0.00000629	1.86	5.06	0.0445	0.000511	35.1	0.00408	0.00714	0.000358	0.000505	0.000218	0.152	0.00000211	0.000223	0.000531	0.0015	0.000584
2080 Nov	0.000268	0.00142	0.0708	0.0000063	1.86	5.06	0.0445	0.000512	35.1	0.00409	0.00714	0.000358	0.000505	0.000218	0.152	0.00000211	0.000224	0.000531	0.0015	0.000584
2080 Dec	0.000268	0.00142	0.0708	0.0000063	1.86	5.06	0.0445	0.000512	35.2	0.00409	0.00714	0.000358	0.000506	0.000218	0.152	0.00000211	0.000224	0.000532	0.0015	0.000584
2081 Jan	0.000268	0.00142	0.0708	0.0000063	1.86	5.06	0.0445	0.000512	35.2	0.00409	0.00714	0.000358	0.000506	0.000218	0.152	0.00000211	0.000224	0.000532	0.0015	0.000585
2081 Feb	0.000268	0.00142	0.0708	0.0000063	1.86	5.06	0.0445	0.000512	35.2	0.00409	0.00714	0.000358	0.000506	0.000218	0.152	0.00000211	0.000224	0.000532	0.0015	0.000585
2081 Mar	0.000268	0.00142	0.0708	0.0000063	1.86	5.07	0.0445	0.000512	35.2	0.00409	0.00714	0.000358	0.000506	0.000218	0.152	0.00000211	0.000224	0.000532	0.0015	0.000585
2081 Apr	0.000268	0.00142	0.0708	0.0000063	1.86	5.07	0.0445	0.000512	35.2	0.00409	0.00714	0.000358	0.000506	0.000219	0.152	0.00000211	0.000224	0.000532	0.0015	0.000585
2081 May	0.00027	0.00142	0.0713	0.00000632	1.86	5.07	0.0447	0.000512	35.1	0.00409	0.00716	0.00036	0.000505	0.000218	0.152	0.00000211	0.000223	0.000534	0.0015	0.000583
2081 Jun	0.00027	0.00141	0.0717	0.00000632	1.85	5.05	0.0448	0.000509	34.9	0.00406	0.00716	0.000361	0.000502	0.000217	0.152	0.0000021	0.000222	0.000535	0.0015	0.000578
2081 Jul	0.000272	0.00142	0.0722	0.00000636	1.87	5.08	0.0451	0.000512	35.2	0.00409	0.00721	0.000363	0.000506	0.000219	0.153	0.00000212	0.000223	0.000539	0.00151	0.000583
2081 Aug	0.000274	0.00143	0.0727	0.0000064	1.88	5.12	0.0454	0.000516	35.5	0.00412	0.00725	0.000366	0.00051	0.00022	0.154	0.00000213	0.000225	0.000543	0.00152	0.000587
2081 Sep	0.000274	0.00144	0.0727	0.00000641	1.88	5.14	0.0456	0.000518	35.7	0.00414	0.00726	0.000367	0.000512	0.000221	0.154	0.00000213	0.000226	0.000544	0.00152	0.00059
2081 Oct	0.000275	0.00144	0.0727	0.00000641	1.88	5.16	0.0457	0.00052	35.9	0.00416	0.00726	0.000368	0.000514	0.000222	0.155	0.00000213	0.000226	0.000545	0.00152	0.000592
2081 Nov	0.000275	0.00144	0.0727	0.00000641	1.88	5.17	0.0457	0.000521	35.9	0.00417	0.00725	0.000369	0.000515	0.000222	0.155	0.00000213	0.000226	0.000545	0.00152	0.000593
2081 Dec	0.000275	0.00144	0.0727	0.00000641	1.88	5.17	0.0457	0.000521	36	0.00417	0.00725	0.000369	0.000515	0.000223	0.155	0.00000213	0.000227	0.000545	0.00152	0.000593
2082 Jan	0.000275	0.00144	0.0727	0.00000641	1.88	5.17	0.0457	0.000521	36	0.00417	0.00725	0.000369	0.000515	0.000223	0.155	0.00000213	0.000227	0.000545	0.00152	0.000593
2082 Feb	0.000275	0.00144	0.0727	0.00000641	1.88	5.17	0.0457	0.000521	36	0.00417	0.00725	0.000369	0.000515	0.000223	0.155	0.00000213	0.000227	0.000545	0.00152	0.000593
2082 Mar	0.000275	0.00144	0.0727	0.00000641	1.88	5.17	0.0457	0.000521	36	0.00417	0.00725	0.000369	0.000515	0.000223	0.155	0.00000213	0.000227	0.000545	0.00152	0.000593
2082 Apr	0.000275	0.00144	0.0727	0.00000641	1.88	5.17	0.0457	0.000521	36	0.00417	0.00726	0.000369	0.000515	0.000223	0.155	0.00000213	0.000227	0.000545	0.00152	0.000593
2082 May	0.000275	0.00144	0.0728	0.00000642	1.89	5.18	0.0458	0.000522	36	0.00418	0.00727	0.000369	0.000516	0.000223	0.155	0.00000213	0.000227	0.000546	0.00152	0.000594
2082 Jun	0.000274	0.00143	0.0726	0.00000642	1.87	5.16	0.0456	0.00052	36	0.00417	0.00724	0.000368	0.000516	0.000222	0.155	0.00000212	0.000226	0.000545	0.00152	0.000591
2082 Jul	0.000273	0.00143	0.0727	0.00000643	1.87	5.15	0.0455	0.000519	35.9	0.00416	0.00725	0.000368	0.000515	0.000222	0.154	0.00000212	0.000225	0.000545	0.00152	0.000589
2082 Aug	0.000274	0.00144	0.073	0.00000646	1.88	5.18	0.0457	0.000522	36.2	0.00418	0.00728	0.00037	0.000518	0.000223	0.155	0.00000213	0.000226	0.000548	0.00153	0.000592
2082 Sep	0.000275	0.00144	0.0731	0.00000648	1.88	5.19	0.0458	0.000523	36.3	0.0042	0.00729	0.00037	0.000519	0.000224	0.155	0.00000213	0.000227	0.000549	0.00153	0.000594
2082 Oct	0.000274	0.00144	0.0729	0.00000646	1.87	5.19	0.0457	0.000523	36.3	0.00419	0.00727	0.000369	0.000518	0.000223	0.155	0.00000212	0.000226	0.000547	0.00153	0.000593
2082 Nov	0.000274	0.00144	0.0729	0.00000646	1.87	5.19	0.0457	0.000524	36.4	0.0042	0.00727	0.00037	0.000519	0.000224	0.155	0.00000212	0.000226	0.000547	0.00153	0.000594
2082 Dec	0.000274	0.00144	0.0729	0.00000646	1.87	5.2	0.0457	0.000524	36.4	0.0042	0.00727	0.00037	0.000519	0.000224	0.155	0.00000212	0.000226	0.000547	0.00153	0.000594
2083 Jan	0.000274	0.00144	0.0729	0.00000646	1.87	5.2	0.0458	0.000524	36.4	0.0042	0.00727	0.00037	0.000519	0.000224	0.155	0.00000212	0.000226	0.000547	0.00153	0.000594
2083 Feb	0.000274	0.00144	0.0729	0.00000646	1.87	5.2	0.0458	0.000524	36.4	0.0042	0.00727	0.00037	0.000519	0.000224	0.155	0.00000212	0.000226	0.000547	0.00153	0.000594
2083 Mar	0.000274	0.00144	0.0729	0.00000646	1.87	5.2	0.0458	0.000524	36.4	0.0042	0.00727	0.00037	0.000519	0.000224	0.155	0.00000212	0.000226	0.000548	0.00153	0.000594
2083 Apr	0.000275	0.00144	0.073	0.00000647	1.88	5.2	0.0458	0.000524	36.4	0.0042	0.00728	0.00037	0.00052	0.000224	0.155	0.00000213	0.000227	0.000548	0.00153	0.000594
2083 May	0.000276	0.00145	0.0734	0.00000648	1.88	5.23	0.0461	0.000527	36.7	0.00423	0.0073	0.000374	0.000523	0.000225	0.156	0.00000213	0.000227	0.000552	0.00153	0.000597
2083 Jun	0.000277	0.00144	0.0739	0.00000648	1.87	5.22	0.0464	0.000524	36.6	0.00422	0.00728	0.000376	0.000521	0.000224	0.156	0.00000211	0.000226	0.000554	0.00153	0.000593
2083 Jul	0.000278	0.00144	0.0742	0.0000065	1.88	5.24	0.0465	0.000526	36.8	0.00423	0.00731	0.000378	0.000523	0.000225	0.156	0.00000212	0.000226	0.000556	0.00153	0.000595
2083 Aug	0.000279	0.00145	0.0744	0.00000652	1.88	5.27	0.0467	0.000529	37	0.00426	0.00733	0.000379	0.000526	0.000226	0.157	0.00000212	0.000227	0.000558	0.00154	0.000598
2083 Sep	0.000279	0.00145	0.0744	0.00000653	1.88	5.28	0.0468	0.000531	37.2	0.00427	0.00732	0.00038	0.000527	0.000227	0.157	0.00000212	0.000228	0.000558	0.00154	0.0006
2083 Oct	0.000279	0.00145	0.0742	0.00000652	1.88	5.28	0.0467	0.000531	37.2	0.00427	0.00731	0.00038	0.000527	0.000227	0.157	0.00000212	0.000227	0.000557	0.00153	0.000599
2083 Nov	0.000279	0.00145	0.0742	0.00000652	1.88	5.29	0.0467	0.000532	37.3	0.00428	0.00731	0.00038	0.000528	0.000227	0.157	0.00000211	0.000227	0.000557	0.00153	0.000599
2083 Dec	0.000279	0.00145	0.0742	0.00000652	1.88	5.29	0.0467	0.000532	37.3	0.00428	0.00731	0.00038	0.000528	0.000227	0.157	0.00000211	0.000227	0.000557	0.00153	0.0006
2084 Jan	0.000279	0.00145	0.0742	0.00000652	1.88	5.29	0.0467	0.000532	37.3	0.00428	0.00731	0.00038	0.000528	0.000227	0.157	0.00000211	0.000227	0.000557	0.00153	0.0006
2084 Feb	0.000279	0.00145	0.0742	0.00000652	1.88	5.29	0.0467	0.000532	37.3	0.00428	0.00731	0.00038	0.000528	0.000227	0.157	0.00000211	0.000227	0.000557	0.00153	0.0006
2084 Mar	0.000279	0.00145	0.0742	0.00000652	1.88	5.29	0.0467	0.000532	37.3	0.00428	0.00731	0.00038	0.000528	0.000227	0.157	0.00000211	0.000227	0.000557	0.00153	0.0006
2084 Apr	0.000279	0.00145	0.0743	0.00000652	1.88	5.29	0.0467	0.000532	37.4	0.00428	0.00732	0.00038	0.000528	0.000227	0.157	0.00000212	0.000228	0.000558	0.00154	0.0006
2084 May	0.000281	0.00145	0.0748	0.00000654	1.88	5.31	0.047	0.000533	37.4	0.00429	0.00734	0.000383	0.000529	0.000228	0.158	0.00000212	0.000228	0.000561	0.00154	0.0006
2084 Jun	0.00028	0.00144	0.0752	0.00000652	1.87	5.27	0.047	0.000528	37	0.00425	0.00731	0.000383	0.000524	0.000226	0.157	0.0000021	0.000225	0.000561	0.00153	0.000593
2084 Jul	0.000282	0.00145	0.0755	0.00000656	1.88	5.29	0.0472	0.00053	37.2	0.00427	0.00735	0.000385	0.000527	0.000227	0.158	0.00000211	0.000226	0.000564	0.00154	0.000596
2084 Aug	0.000283	0.00146	0.0758	0.00000658	1.88	5.32	0.0475	0.000533	37.5	0.00429	0.00737	0.000387	0.00053	0.000228	0.158	0.00000212	0.000227	0.000566	0.00154	0.000599
2084 Sep	0.000283	0.00146	0.0758	0.00000658	1.88	5.34	0.0475	0.000535	37.7	0.00431	0.00737	0.000388	0.000532	0.000229	0.159	0.00000212	0.000228	0.000567	0.00154	0.000601
2084 Oct	0.000283	0.00146	0.0756	0.00000658	1.88	5.35	0.0475	0.000536	37.8	0.00432	0.00736	0.000388	0.000532	0.000229	0.159	0.00000211	0.000228	0.000566	0.00154	0.000602
2084 Nov	0.000283	0.00146	0.0756	0.00000658	1.88	5.35	0.0475	0.000536	37.8	0.00432	0.00736	0.000388	0.000533	0.000229	0.159	0.00000211	0.000228	0.000566	0.00154	0.000602
2084 Dec	0.000283	0.00146	0.0756	0.00000658	1.88	5.35	0.0475	0.000536	37.8	0.00432	0.00736	0.000388	0.000533	0.000229	0.159	0.00000211	0.000228	0.000566	0.00154	0.000602
2085 Jan	0.000283	0.00146	0.0756	0.00000658	1.88	5.35	0.0475	0.000537	37.8	0.00432	0.00736	0.000388	0.000533	0.000229	0.159	0.00000211	0.000228	0.000566	0.00154	0.000602
2085 Feb	0.000283	0.00146	0.0756	0.00000658	1.88	5.35	0.0475	0.000537	37.9	0.00432	0.00736	0.000388	0.000533	0.000229	0.159	0.00000211	0.000228	0.000566	0.00154	0.000602
2085 Mar	0.000283	0.00146	0.0756	0.00000658	1.88	5.35	0.0475	0.000537	37.9	0.00432	0.00736	0.000388	0.000533	0.000229	0.159	0.00000211	0.000228	0.000566	0.00154	0.000602
2085 Apr	0.000283	0.00146	0.0757	0.00000658	1.88	5.35	0.0476	0.000537	37.9	0.00433	0.00736	0.000388	0.000533	0.000229	0.159	0.00000211	0.000228	0.000567	0.00154	0.000603
2085 May	0.000284	0.00146	0.0761	0.0000066	1.88	5.37	0.0478	0.000538	38	0.00433	0.00738	0.000391	0.000534	0.00023	0.159	0.00000211	0.000228	0.000569	0.00155	0.000603
2085 Jun	0.000285	0.00146	0.0765	0.0000066	1.88	5.36	0.048	0.000536	37.8	0.00432	0.00739	0.000392	0.000533	0.000229	0.159	0.00000211	0.000227	0.000571	0.00155	0.000601
2085 Jul	0.000287	0.00147	0.0769	0.00000664	1.89	5.4	0.0483	0.00054	38.1	0.00435	0.00743	0.000395	0.000537	0.000231	0.16	0.00000212	0.000229	0.000575	0.00155	0.000605
2085 Aug	0.000288	0.00147	0.077	0.00000665	1.9	5.42	0.0484	0.000542	38.4	0.00438	0.00744	0.000396	0.000539	0.000232	0.161	0.00000212	0.00023	0.000576	0.00156	0.000608
2085 Sep	0.000288	0.00147	0.0769	0.00000665	1.89	5.44	0.0484	0.000544	38.6	0.00439	0.00742	0.000397	0.000541	0.000233	0.161	0.00000212	0.00023	0.000576	0.00156	0.000609
2085 Oct	0.000287	0.00147	0.0768	0.00000664	1.89	5.45	0.0484	0.000545	38.7	0.0044	0.00742	0.000397	0.000542	0.000233	0.161	0.00000212	0.00023	0.000575	0.00155	0.00061
2085 Nov	0.000287	0.00147	0.0767	0.00000664	1.89	5.45	0.0484	0.000546	38.8	0.00441	0.00741	0.000397	0.000542	0.000233	0.161	0.00000211	0.00023	0.000575	0.00155	0.000611
2085 Dec	0.000287	0.00147	0.0767	0.00000664	1.89	5.45	0.0484	0.000546	38.8	0.00441	0.00741	0.000397	0.000542	0.000233	0.161	0.00000211	0.00023	0.000575	0.00155	0.000611

Appendix D.3-1: WN Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2086 Jan	0.000287	0.00147	0.0767	0.00000664	1.89	5.45	0.0484	0.000546	38.8	0.00441	0.00741	0.000397	0.000543	0.000233	0.161	0.00000211	0.00023	0.000575	0.00155	0.000611
2086 Feb	0.000287	0.00147	0.0768	0.00000664	1.89	5.45	0.0484	0.000546	38.8	0.00441	0.00741	0.000397	0.000543	0.000233	0.161	0.00000211	0.00023	0.000575	0.00155	0.000611
2086 Mar	0.000287	0.00147	0.0768	0.00000664	1.89	5.45	0.0485	0.000546	38.8	0.00441	0.00741	0.000397	0.000543	0.000233	0.161	0.00000211	0.00023	0.000575	0.00155	0.000611
2086 Apr	0.000288	0.00148	0.0768	0.00000664	1.89	5.46	0.0485	0.000546	38.8	0.00441	0.00742	0.000397	0.000543	0.000234	0.161	0.00000211	0.00023	0.000576	0.00155	0.000611
2086 May	0.000288	0.00148	0.077	0.00000666	1.9	5.47	0.0486	0.000547	38.9	0.00442	0.00743	0.000399	0.000544	0.000234	0.162	0.00000212	0.000231	0.000577	0.00156	0.000612
2086 Jun	0.000288	0.00147	0.0775	0.00000665	1.88	5.43	0.0486	0.000542	38.6	0.00438	0.00742	0.000399	0.00054	0.000232	0.161	0.0000021	0.000228	0.000578	0.00155	0.000605
2086 Jul	0.00029	0.00147	0.0778	0.00000669	1.89	5.46	0.0489	0.000545	38.8	0.00441	0.00745	0.000401	0.000542	0.000233	0.162	0.00000211	0.000229	0.000581	0.00156	0.000608
2086 Aug	0.000291	0.00148	0.0781	0.00000671	1.9	5.5	0.0491	0.000549	39.1	0.00444	0.00747	0.000403	0.000546	0.000235	0.163	0.00000212	0.00023	0.000584	0.00157	0.000612
2086 Sep	0.000291	0.00148	0.078	0.00000671	1.9	5.51	0.0492	0.000551	39.3	0.00446	0.00747	0.000404	0.000548	0.000236	0.163	0.00000212	0.000231	0.000584	0.00156	0.000614
2086 Oct	0.000291	0.00149	0.078	0.00000671	1.9	5.53	0.0492	0.000552	39.5	0.00447	0.00747	0.000405	0.00055	0.000236	0.163	0.00000212	0.000231	0.000584	0.00157	0.000616
2086 Nov	0.000291	0.00149	0.078	0.00000671	1.9	5.53	0.0493	0.000553	39.6	0.00448	0.00747	0.000405	0.00055	0.000237	0.163	0.00000212	0.000232	0.000585	0.00157	0.000617
2086 Dec	0.000292	0.00149	0.078	0.00000671	1.9	5.54	0.0493	0.000553	39.6	0.00448	0.00747	0.000405	0.000551	0.000237	0.163	0.00000212	0.000232	0.000585	0.00157	0.000617
2087 Jan	0.000292	0.00149	0.078	0.00000671	1.9	5.54	0.0493	0.000553	39.6	0.00448	0.00747	0.000405	0.000551	0.000237	0.163	0.00000212	0.000232	0.000585	0.00157	0.000617
2087 Feb	0.000292	0.00149	0.078	0.00000671	1.9	5.54	0.0493	0.000553	39.6	0.00448	0.00747	0.000405	0.000551	0.000237	0.163	0.00000212	0.000232	0.000585	0.00157	0.000617
2087 Mar	0.000292	0.00149	0.078	0.00000672	1.9	5.54	0.0493	0.000553	39.6	0.00448	0.00747	0.000406	0.000551	0.000237	0.163	0.00000212	0.000232	0.000585	0.00157	0.000617
2087 Apr	0.000292	0.00149	0.078	0.00000672	1.9	5.54	0.0493	0.000553	39.6	0.00448	0.00747	0.000406	0.000551	0.000237	0.163	0.00000212	0.000232	0.000585	0.00157	0.000617
2087 May	0.000292	0.00149	0.0783	0.00000673	1.9	5.54	0.0494	0.000553	39.6	0.00448	0.00748	0.000407	0.000551	0.000237	0.164	0.00000212	0.000232	0.000586	0.00157	0.000617
2087 Jun	0.000293	0.00148	0.0787	0.00000673	1.89	5.51	0.0495	0.000549	39.3	0.00445	0.00748	0.000407	0.000547	0.000235	0.163	0.00000211	0.00023	0.000587	0.00156	0.000611
2087 Jul	0.000294	0.00149	0.0791	0.00000676	1.9	5.54	0.0497	0.000552	39.5	0.00448	0.00751	0.00041	0.00055	0.000237	0.164	0.00000212	0.000231	0.00059	0.00157	0.000615
2087 Aug	0.000296	0.0015	0.0795	0.00000679	1.91	5.58	0.05	0.000556	39.8	0.00451	0.00755	0.000412	0.000554	0.000238	0.165	0.00000213	0.000232	0.000593	0.00158	0.000619
2087 Sep	0.000297	0.0015	0.0796	0.00000681	1.92	5.61	0.0502	0.000559	40.1	0.00453	0.00756	0.000414	0.000557	0.000239	0.166	0.00000213	0.000233	0.000595	0.00158	0.000622
2087 Oct	0.000297	0.00151	0.0796	0.00000681	1.92	5.63	0.0503	0.000561	40.3	0.00455	0.00756	0.000415	0.000559	0.00024	0.166	0.00000213	0.000234	0.000596	0.00158	0.000624
2087 Nov	0.000297	0.00151	0.0795	0.0000068	1.92	5.63	0.0503	0.000561	40.3	0.00455	0.00756	0.000415	0.000559	0.00024	0.166	0.00000213	0.000234	0.000596	0.00158	0.000625
2087 Dec	0.000297	0.00151	0.0795	0.00000681	1.92	5.63	0.0503	0.000561	40.4	0.00455	0.00756	0.000415	0.000559	0.00024	0.166	0.00000213	0.000234	0.000596	0.00158	0.000625
2088 Jan	0.000297	0.00151	0.0795	0.00000681	1.92	5.63	0.0503	0.000561	40.4	0.00456	0.00756	0.000415	0.000559	0.00024	0.166	0.00000213	0.000234	0.000596	0.00158	0.000625
2088 Feb	0.000297	0.00151	0.0795	0.00000681	1.92	5.63	0.0503	0.000561	40.4	0.00456	0.00756	0.000415	0.000559	0.00024	0.166	0.00000213	0.000234	0.000596	0.00158	0.000625
2088 Mar	0.000297	0.00151	0.0796	0.00000681	1.92	5.63	0.0503	0.000561	40.4	0.00456	0.00756	0.000415	0.00056	0.00024	0.166	0.00000213	0.000234	0.000596	0.00158	0.000625
2088 Apr	0.000297	0.00151	0.0796	0.00000681	1.92	5.64	0.0504	0.000562	40.4	0.00456	0.00757	0.000415	0.00056	0.000241	0.166	0.00000213	0.000234	0.000597	0.00159	0.000626
2088 May	0.000298	0.00151	0.0798	0.00000683	1.93	5.65	0.0505	0.000563	40.5	0.00457	0.00759	0.000416	0.000561	0.000241	0.167	0.00000214	0.000235	0.000598	0.00159	0.000627
2088 Jun	0.000297	0.0015	0.0799	0.00000683	1.92	5.62	0.0503	0.00056	40.2	0.00454	0.00758	0.000415	0.000559	0.00024	0.166	0.00000213	0.000233	0.000597	0.00159	0.000623
2088 Jul	0.000298	0.00151	0.0803	0.00000688	1.93	5.65	0.0505	0.000563	40.4	0.00457	0.00762	0.000417	0.000562	0.000241	0.167	0.00000214	0.000234	0.0006	0.0016	0.000625
2088 Aug	0.000301	0.00152	0.0809	0.00000692	1.94	5.7	0.0509	0.000568	40.8	0.00461	0.00768	0.00042	0.000566	0.000243	0.168	0.00000216	0.000236	0.000605	0.00161	0.000631
2088 Sep	0.000302	0.00153	0.081	0.00000694	1.94	5.73	0.0511	0.00057	41.1	0.00463	0.00769	0.000422	0.000569	0.000244	0.169	0.00000216	0.000237	0.000607	0.00161	0.000634
2088 Oct	0.000301	0.00153	0.0807	0.00000692	1.94	5.72	0.051	0.00057	41.1	0.00463	0.00767	0.000421	0.000569	0.000244	0.168	0.00000216	0.000237	0.000605	0.00161	0.000634
2088 Nov	0.000301	0.00153	0.0807	0.00000692	1.94	5.72	0.051	0.000571	41.1	0.00463	0.00767	0.000421	0.000569	0.000244	0.168	0.00000215	0.000237	0.000605	0.00161	0.000634
2088 Dec	0.000301	0.00153	0.0807	0.00000692	1.94	5.73	0.051	0.000571	41.2	0.00464	0.00767	0.000421	0.000569	0.000244	0.168	0.00000216	0.000237	0.000605	0.00161	0.000634
2089 Jan	0.000301	0.00153	0.0807	0.00000692	1.94	5.73	0.051	0.000571	41.2	0.00464	0.00767	0.000421	0.000569	0.000244	0.168	0.00000216	0.000237	0.000605	0.00161	0.000634
2089 Feb	0.000301	0.00153	0.0807	0.00000692	1.94	5.73	0.051	0.000571	41.2	0.00464	0.00767	0.000421	0.000569	0.000244	0.168	0.00000216	0.000237	0.000605	0.00161	0.000634
2089 Mar	0.000301	0.00153	0.0807	0.00000692	1.94	5.73	0.051	0.000571	41.2	0.00464	0.00767	0.000421	0.00057	0.000244	0.168	0.00000216	0.000237	0.000605	0.00161	0.000635
2089 Apr	0.000301	0.00153	0.0808	0.00000693	1.94	5.73	0.0511	0.000571	41.2	0.00464	0.00768	0.000422	0.00057	0.000245	0.169	0.00000216	0.000237	0.000606	0.00161	0.000635
2089 May	0.000302	0.00153	0.0812	0.00000694	1.94	5.73	0.0512	0.000571	41.2	0.00464	0.00769	0.000423	0.00057	0.000245	0.169	0.00000216	0.000237	0.000608	0.00161	0.000634
2089 Jun	0.000303	0.00153	0.0817	0.00000695	1.94	5.72	0.0514	0.000569	41	0.00462	0.0077	0.000425	0.000567	0.000244	0.168	0.00000215	0.000236	0.00061	0.00161	0.00063
2089 Jul	0.000305	0.00153	0.0821	0.00000699	1.95	5.76	0.0517	0.000573	41.3	0.00466	0.00774	0.000428	0.000572	0.000246	0.17	0.00000216	0.000237	0.000613	0.00162	0.000635
2089 Aug	0.000306	0.00154	0.0825	0.00000702	1.96	5.8	0.052	0.000577	41.7	0.00469	0.00777	0.00043	0.000576	0.000247	0.171	0.00000217	0.000239	0.000617	0.00163	0.00064
2089 Sep	0.000307	0.00155	0.0825	0.00000703	1.96	5.83	0.0522	0.00058	42	0.00472	0.00778	0.000432	0.00058	0.000249	0.171	0.00000218	0.00024	0.000618	0.00163	0.000644
2089 Oct	0.000306	0.00155	0.0823	0.00000701	1.96	5.84	0.0521	0.000581	42.1	0.00473	0.00776	0.000432	0.00058	0.000249	0.171	0.00000217	0.00024	0.000617	0.00163	0.000644
2089 Nov	0.000307	0.00155	0.0823	0.00000701	1.96	5.84	0.0521	0.000581	42.2	0.00473	0.00776	0.000432	0.00058	0.000249	0.171	0.00000217	0.00024	0.000617	0.00163	0.000644
2089 Dec	0.000307	0.00155	0.0823	0.00000701	1.96	5.84	0.0521	0.000581	42.2	0.00473	0.00776	0.000432	0.00058	0.000249	0.171	0.00000217	0.00024	0.000617	0.00163	0.000645
2090 Jan	0.000307	0.00155	0.0823	0.00000701	1.96	5.84	0.0521	0.000581	42.2	0.00473	0.00776	0.000432	0.000581	0.000249	0.171	0.00000217	0.00024	0.000617	0.00163	0.000645
2090 Feb	0.000307	0.00155	0.0823	0.00000701	1.96	5.84	0.0521	0.000582	42.2	0.00473	0.00776	0.000432	0.000581	0.000249	0.171	0.00000217	0.00024	0.000617	0.00163	0.000645
2090 Mar	0.000307	0.00155	0.0823	0.00000702	1.96	5.84	0.0522	0.000582	42.2	0.00473	0.00776	0.000432	0.000581	0.000249	0.171	0.00000217	0.00024	0.000617	0.00163	0.000645
2090 Apr	0.000307	0.00155	0.0823	0.00000702	1.96	5.85	0.0522	0.000582	42.2	0.00474	0.00776	0.000432	0.000581	0.000249	0.171	0.00000217	0.00024	0.000618	0.00163	0.000645
2090 May	0.000308	0.00155	0.0825	0.00000703	1.96	5.86	0.0523	0.000583	42.4	0.00475	0.00778	0.000434	0.000583	0.00025	0.172	0.00000217	0.000241	0.000619	0.00163	0.000647
2090 Jun	0.000309	0.00155	0.0829	0.00000702	1.95	5.88	0.0526	0.000583	42.6	0.00477	0.00776	0.000437	0.000584	0.000251	0.172	0.00000216	0.00024	0.000623	0.00163	0.000647
2090 Jul	0.00031	0.00156	0.0832	0.00000706	1.96	5.91	0.0529	0.000586	42.8	0.00479	0.00779	0.000439	0.000587	0.000252	0.173	0.00000217	0.000241	0.000625	0.00164	0.00065
2090 Aug	0.00031	0.00156	0.0832	0.00000706	1.96	5.92	0.0529	0.000588	43	0.0048	0.00779	0.00044	0.000589	0.000252	0.173	0.00000216	0.000241	0.000625	0.00164	0.000651
2090 Sep	0.00031	0.00156	0.083	0.00000705	1.96	5.93	0.0529	0.000589	43.1	0.00481	0.00777	0.00044	0.000589	0.000253	0.173	0.00000216	0.000241	0.000624	0.00163	0.000652
2090 Oct	0.000309	0.00155	0.0828	0.00000704	1.95	5.91	0.0527	0.000588	43	0.0048	0.00775	0.000438	0.000587	0.000252	0.173	0.00000215	0.00024	0.000622	0.00163	0.00065
2090 Nov	0.000308	0.00155	0.0827	0.00000703	1.95	5.91	0.0526	0.000588	43	0.00479	0.00775	0.000438	0.000587	0.000252	0.172	0.00000215	0.00024	0.000621	0.00163	0.000649
2090 Dec	0.000308	0.00155	0.0827	0.00000703	1.95	5.91	0.0526	0.000588	43	0.0048	0.00775	0.000438	0.000587	0.000252	0.173	0.00000215	0.00024	0.000621	0.00163	0.000649
2091 Jan	0.000308	0.00155	0.0827	0.00000703	1.95	5.91	0.0526	0.000588	43.1	0.0048	0.00775	0.000438	0.000587	0.000252	0.173	0.00000215	0.00024	0.000622	0.00163	0.000649
2091 Feb	0.000308	0.00155	0.0827	0.00000703	1.95	5.91	0.0526	0.000588	43.1	0.0048	0.00775	0.000438	0.000587	0.000252	0.173	0.00000215	0.00024	0.000622	0.00163	0.000649
2091 Mar	0.000308	0.00155	0.0827	0.00000703	1.95	5.91	0.0526	0.000588	43.1	0.0048	0.00775	0.000438	0.000587	0.000252	0.173	0.00000215	0.00024	0.000622	0.00163	0.00065
2091 Apr	0.000309	0.00155	0.0828	0.00000704	1.95	5.92	0.0527	0.000589	43.1	0.0048	0.00776	0.000438	0.000588	0.000252	0.173	0.00000215	0.00024	0.000622	0.00163	0.00065
2091 May	0.00031	0.00156	0.0831	0.00000705	1.95	5.93	0.0528	0.00059	43.2	0.00481	0.00777	0.00044	0.000589	0.000252	0.173	0.00000215	0.00024	0.000624	0.00163	0.000651
2091 Jun	0.00031	0.00155	0.0836	0.00000705	1.94	5.9	0.053	0.000586	42.9	0.00478	0.00777	0.000441	0.000585	0.000251	0.172	0.00000214	0.000239	0.000626	0.00163	0.000645
2091 Jul	0.000312	0.00156	0.0842	0.0000071	1.96	5.95	0.0533	0.00059	43.2	0.00482	0.00782	0.000444	0.00059	0.000253	0.174	0.00000216	0.00024	0.00063	0.00164	0.00065
2091 Aug	0.000313	0.00157	0.0843	0.00000712	1.96	5.98	0.0535	0.000593	43.5	0.00484	0.00783	0.000446	0.000593	0.000254	0.174	0.00000216	0.000241	0.000632	0.00164	0.000653
2091 Sep	0.000314	0.00157	0.0842	0.00000712	1.96	6	0.0536	0.000596	43.8	0.00487	0.00783	0.000447	0.000595	0.000255	0.175	0.00000216	0.000242	0.000632	0.00164	0.000656
2091 Oct	0.000313	0.00157	0.0841	0.00000711	1.96	6.01	0.0536	0.000597	43.9	0.00488	0.00782	0.000447	0.000596	0.000255	0.175	0.00000215	0.000242	0.000632	0.00164	0.000657
2091 Nov	0.000313	0.00157	0.084	0.0000071	1.96	6	0.0535	0.000597	43.9	0.00487	0.00781	0.000446	0.000595	0.000255	0.175	0.00000215	0.000241	0.000631	0.00164	0.000657
2091 Dec	0.000313	0.00157	0.084	0.0000071	1.96	6.01	0.0535	0.000597	43.9	0.00488	0.00781	0.000447	0.000596	0.000255	0.175	0.00000215	0.000241	0.000631	0.00164	0.000657

Appendix D.3-1: WN Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2092 Jan	0.000313	0.00157	0.084	0.0000071	1.96	6.01	0.0535	0.000597	43.9	0.00488	0.00781	0.000447	0.000596	0.000255	0.175	0.00000215	0.000242	0.000631	0.00164	0.000657
2092 Feb	0.000313	0.00157	0.084	0.0000071	1.96	6.01	0.0535	0.000597	43.9	0.00488	0.00781	0.000447	0.000596	0.000256	0.175	0.00000215	0.000242	0.000631	0.00164	0.000657
2092 Mar	0.000313	0.00157	0.084	0.0000071	1.96	6.01	0.0536	0.000597	44	0.00488	0.00781	0.000447	0.000596	0.000256	0.175	0.00000215	0.000242	0.000631	0.00164	0.000657
2092 Apr	0.000313	0.00157	0.084	0.00000711	1.96	6.01	0.0536	0.000598	44	0.00488	0.00781	0.000447	0.000596	0.000256	0.175	0.00000215	0.000242	0.000632	0.00164	0.000658
2092 May	0.000314	0.00157	0.0843	0.00000712	1.96	6.03	0.0538	0.000599	44.2	0.0049	0.00783	0.000449	0.000598	0.000257	0.176	0.00000215	0.000242	0.000634	0.00164	0.000659
2092 Jun	0.000314	0.00156	0.0846	0.00000709	1.94	5.99	0.0538	0.000593	43.7	0.00485	0.00778	0.00045	0.000593	0.000254	0.174	0.00000213	0.000239	0.000634	0.00163	0.000651
2092 Jul	0.000314	0.00156	0.0847	0.0000071	1.94	6	0.0539	0.000594	43.9	0.00486	0.00779	0.000451	0.000594	0.000255	0.175	0.00000213	0.000239	0.000635	0.00163	0.000652
2092 Aug	0.000316	0.00157	0.0851	0.00000714	1.95	6.05	0.0543	0.000599	44.3	0.00491	0.00783	0.000454	0.000599	0.000257	0.176	0.00000214	0.000241	0.000639	0.00164	0.000658
2092 Sep	0.000318	0.00158	0.0852	0.00000715	1.96	6.09	0.0545	0.000603	44.8	0.00495	0.00784	0.000456	0.000604	0.000259	0.177	0.00000214	0.000242	0.000641	0.00165	0.000663
2092 Oct	0.000318	0.00158	0.0851	0.00000715	1.96	6.12	0.0546	0.000606	45.1	0.00498	0.00783	0.000458	0.000607	0.00026	0.177	0.00000214	0.000243	0.000642	0.00165	0.000667
2092 Nov	0.000318	0.00158	0.0851	0.00000715	1.96	6.13	0.0547	0.000607	45.2	0.00499	0.00783	0.000458	0.000608	0.000261	0.178	0.00000214	0.000244	0.000643	0.00165	0.000668
2092 Dec	0.000318	0.00159	0.0851	0.00000715	1.96	6.13	0.0547	0.000607	45.2	0.00499	0.00783	0.000458	0.000609	0.000261	0.178	0.00000214	0.000244	0.000643	0.00165	0.000668
2093 Jan	0.000318	0.00159	0.0851	0.00000715	1.96	6.14	0.0547	0.000607	45.2	0.00499	0.00783	0.000458	0.000609	0.000261	0.178	0.00000214	0.000244	0.000643	0.00165	0.000669
2093 Feb	0.000318	0.00159	0.0851	0.00000715	1.96	6.14	0.0547	0.000607	45.2	0.00499	0.00783	0.000458	0.000609	0.000261	0.178	0.00000214	0.000244	0.000643	0.00165	0.000669
2093 Mar	0.000318	0.00159	0.0851	0.00000715	1.96	6.14	0.0547	0.000607	45.3	0.00499	0.00783	0.000459	0.000609	0.000261	0.178	0.00000214	0.000244	0.000643	0.00165	0.000669
2093 Apr	0.000319	0.00159	0.0852	0.00000715	1.96	6.14	0.0548	0.000608	45.3	0.005	0.00784	0.000459	0.000609	0.000261	0.178	0.00000214	0.000244	0.000643	0.00165	0.000669
2093 May	0.00032	0.00159	0.0855	0.00000717	1.97	6.16	0.055	0.000609	45.4	0.00501	0.00786	0.000461	0.000611	0.000262	0.178	0.00000215	0.000244	0.000646	0.00165	0.000671
2093 Jun	0.00032	0.00158	0.0858	0.00000716	1.96	6.12	0.055	0.000604	45	0.00497	0.00784	0.000461	0.000606	0.00026	0.177	0.00000214	0.000242	0.000646	0.00165	0.000664
2093 Jul	0.000321	0.00159	0.0862	0.00000719	1.97	6.15	0.0552	0.000607	45.3	0.005	0.00788	0.000463	0.00061	0.000261	0.178	0.00000215	0.000243	0.000649	0.00166	0.000667
2093 Aug	0.000323	0.0016	0.0866	0.00000722	1.98	6.19	0.0555	0.000611	45.6	0.00503	0.00791	0.000466	0.000614	0.000263	0.179	0.00000215	0.000245	0.000653	0.00166	0.000672
2093 Sep	0.000323	0.0016	0.0866	0.00000723	1.98	6.22	0.0557	0.000614	45.9	0.00506	0.00791	0.000468	0.000617	0.000264	0.18	0.00000215	0.000245	0.000654	0.00167	0.000675
2093 Oct	0.000322	0.0016	0.0862	0.0000072	1.97	6.21	0.0555	0.000614	45.9	0.00505	0.00788	0.000466	0.000616	0.000264	0.179	0.00000214	0.000245	0.000651	0.00166	0.000674
2093 Nov	0.000322	0.0016	0.0861	0.0000072	1.97	6.21	0.0555	0.000614	45.9	0.00505	0.00788	0.000466	0.000616	0.000264	0.179	0.00000214	0.000245	0.000651	0.00166	0.000674
2093 Dec	0.000322	0.0016	0.0861	0.0000072	1.97	6.21	0.0555	0.000614	46	0.00505	0.00788	0.000466	0.000616	0.000264	0.179	0.00000214	0.000245	0.000651	0.00166	0.000674
2094 Jan	0.000322	0.0016	0.0862	0.0000072	1.97	6.21	0.0555	0.000614	46	0.00505	0.00788	0.000466	0.000616	0.000264	0.179	0.00000214	0.000245	0.000651	0.00166	0.000674
2094 Feb	0.000322	0.0016	0.0862	0.0000072	1.97	6.21	0.0555	0.000614	46	0.00505	0.00788	0.000466	0.000616	0.000264	0.179	0.00000214	0.000245	0.000651	0.00166	0.000674
2094 Mar	0.000322	0.0016	0.0862	0.0000072	1.97	6.22	0.0555	0.000614	46	0.00506	0.00788	0.000466	0.000616	0.000264	0.18	0.00000214	0.000245	0.000651	0.00166	0.000675
2094 Apr	0.000322	0.0016	0.0862	0.00000721	1.97	6.22	0.0555	0.000615	46	0.00506	0.00788	0.000466	0.000616	0.000264	0.18	0.00000214	0.000245	0.000651	0.00166	0.000675
2094 May	0.000323	0.0016	0.0865	0.00000721	1.97	6.23	0.0557	0.000615	46.1	0.00507	0.00789	0.000468	0.000617	0.000264	0.18	0.00000214	0.000245	0.000653	0.00166	0.000676
2094 Jun	0.000325	0.0016	0.087	0.00000723	1.97	6.24	0.056	0.000615	46.2	0.00507	0.0079	0.000471	0.000618	0.000265	0.18	0.00000214	0.000245	0.000657	0.00166	0.000675
2094 Jul	0.000327	0.00161	0.0877	0.00000728	1.98	6.3	0.0565	0.000621	46.6	0.00512	0.00796	0.000475	0.000623	0.000267	0.182	0.00000216	0.000247	0.000662	0.00167	0.000681
2094 Aug	0.00033	0.00163	0.0883	0.00000733	2	6.36	0.057	0.000627	47.2	0.00518	0.00801	0.00048	0.00063	0.00027	0.184	0.00000217	0.000249	0.000667	0.00169	0.000689
2094 Sep	0.000331	0.00163	0.0883	0.00000734	2	6.39	0.0571	0.00063	47.5	0.0052	0.00802	0.000481	0.000633	0.000271	0.184	0.00000217	0.00025	0.000669	0.00169	0.000692
2094 Oct	0.000331	0.00163	0.088	0.00000732	2	6.41	0.0571	0.000632	47.7	0.00522	0.008	0.000481	0.000635	0.000272	0.184	0.00000216	0.00025	0.000668	0.00169	0.000694
2094 Nov	0.00033	0.00163	0.0878	0.00000731	1.99	6.41	0.0571	0.000633	47.8	0.00523	0.00798	0.000481	0.000636	0.000272	0.184	0.00000216	0.00025	0.000667	0.00168	0.000695
2094 Dec	0.00033	0.00163	0.0878	0.00000731	1.99	6.41	0.0571	0.000633	47.8	0.00523	0.00798	0.000481	0.000636	0.000272	0.184	0.00000216	0.00025	0.000667	0.00168	0.000695
2095 Jan	0.00033	0.00163	0.0878	0.00000731	1.99	6.42	0.0571	0.000633	47.9	0.00523	0.00798	0.000481	0.000636	0.000272	0.184	0.00000216	0.00025	0.000667	0.00168	0.000696
2095 Feb	0.00033	0.00163	0.0878	0.00000731	2	6.42	0.0571	0.000633	47.9	0.00523	0.00798	0.000481	0.000636	0.000272	0.184	0.00000216	0.00025	0.000667	0.00168	0.000696
2095 Mar	0.00033	0.00163	0.0878	0.00000731	2	6.42	0.0571	0.000633	47.9	0.00523	0.00798	0.000481	0.000636	0.000272	0.184	0.00000216	0.00025	0.000667	0.00168	0.000696
2095 Apr	0.00033	0.00163	0.0879	0.00000731	2	6.42	0.0571	0.000633	47.9	0.00523	0.00799	0.000482	0.000636	0.000272	0.184	0.00000216	0.00025	0.000668	0.00168	0.000696
2095 May	0.000331	0.00163	0.0882	0.00000732	2	6.42	0.0572	0.000633	47.8	0.00523	0.008	0.000483	0.000636	0.000272	0.184	0.00000216	0.00025	0.000669	0.00168	0.000695
2095 Jun	0.000333	0.00164	0.0888	0.00000735	2	6.42	0.0575	0.000632	47.8	0.00523	0.00802	0.000485	0.000636	0.000272	0.185	0.00000216	0.00025	0.000672	0.00169	0.000694
2095 Jul	0.000335	0.00165	0.0894	0.0000074	2.01	6.47	0.0579	0.000637	48.2	0.00527	0.00808	0.000489	0.000641	0.000274	0.186	0.00000218	0.000252	0.000677	0.0017	0.000699
2095 Aug	0.000335	0.00165	0.0894	0.00000741	2.02	6.49	0.058	0.000639	48.4	0.00529	0.00808	0.00049	0.000643	0.000275	0.187	0.00000218	0.000252	0.000678	0.0017	0.000701
2095 Sep	0.000336	0.00166	0.0895	0.00000742	2.02	6.52	0.0582	0.000642	48.7	0.00531	0.00809	0.000491	0.000646	0.000276	0.187	0.00000218	0.000253	0.000679	0.0017	0.000705
2095 Oct	0.000337	0.00166	0.0895	0.00000742	2.02	6.54	0.0583	0.000644	48.9	0.00533	0.00809	0.000492	0.000648	0.000277	0.188	0.00000218	0.000254	0.00068	0.00171	0.000708
2095 Nov	0.000336	0.00166	0.0894	0.00000741	2.02	6.55	0.0583	0.000645	49	0.00534	0.00808	0.000492	0.000649	0.000278	0.188	0.00000218	0.000254	0.00068	0.00171	0.000709
2095 Dec	0.000337	0.00166	0.0894	0.00000741	2.02	6.55	0.0583	0.000645	49	0.00534	0.00808	0.000493	0.000649	0.000278	0.188	0.00000218	0.000254	0.00068	0.00171	0.000709
2096 Jan	0.000337	0.00166	0.0894	0.00000741	2.02	6.55	0.0583	0.000646	49.1	0.00534	0.00808	0.000493	0.000649	0.000278	0.188	0.00000218	0.000254	0.00068	0.00171	0.000709
2096 Feb	0.000337	0.00166	0.0894	0.00000742	2.02	6.55	0.0583	0.000646	49.1	0.00535	0.00808	0.000493	0.000649	0.000278	0.188	0.00000218	0.000254	0.00068	0.00171	0.000709
2096 Mar	0.000337	0.00166	0.0894	0.00000742	2.02	6.55	0.0583	0.000646	49.1	0.00535	0.00809	0.000493	0.000649	0.000278	0.188	0.00000218	0.000254	0.00068	0.00171	0.000709
2096 Apr	0.000337	0.00166	0.0894	0.00000742	2.02	6.56	0.0583	0.000646	49.1	0.00535	0.00809	0.000493	0.00065	0.000278	0.188	0.00000218	0.000254	0.000681	0.00171	0.00071
2096 May	0.000338	0.00167	0.0897	0.00000743	2.03	6.59	0.0586	0.000649	49.4	0.00538	0.0081	0.000496	0.000653	0.000279	0.189	0.00000218	0.000255	0.000683	0.00171	0.000713
2096 Jun	0.000337	0.00166	0.0897	0.00000741	2.01	6.56	0.0585	0.000644	49.2	0.00535	0.00806	0.000496	0.000649	0.000278	0.188	0.00000216	0.000252	0.000683	0.0017	0.000707
2096 Jul	0.000339	0.00166	0.0901	0.00000744	2.02	6.58	0.0588	0.000647	49.4	0.00537	0.0081	0.000498	0.000652	0.000279	0.188	0.00000217	0.000253	0.000686	0.00171	0.00071
2096 Aug	0.000341	0.00167	0.0906	0.00000749	2.03	6.64	0.0592	0.000652	49.8	0.00541	0.00814	0.000501	0.000657	0.000281	0.19	0.00000218	0.000255	0.00069	0.00172	0.000716
2096 Sep	0.000341	0.00168	0.0905	0.00000748	2.03	6.65	0.0592	0.000654	50	0.00543	0.00814	0.000502	0.000659	0.000282	0.19	0.00000218	0.000255	0.00069	0.00172	0.000718
2096 Oct	0.00034	0.00167	0.0902	0.00000746	2.02	6.65	0.0591	0.000654	50.1	0.00543	0.00812	0.000501	0.000659	0.000282	0.19	0.00000217	0.000255	0.000689	0.00172	0.000718
2096 Nov	0.00034	0.00167	0.0902	0.00000747	2.02	6.65	0.0591	0.000655	50.1	0.00543	0.00812	0.000501	0.000659	0.000282	0.19	0.00000217	0.000255	0.000689	0.00172	0.000718
2096 Dec	0.00034	0.00167	0.0902	0.00000747	2.02	6.65	0.0591	0.000655	50.1	0.00544	0.00812	0.000501	0.000659	0.000282	0.19	0.00000217	0.000255	0.000689	0.00172	0.000718
2097 Jan	0.00034	0.00167	0.0902	0.00000747	2.02	6.65	0.0591	0.000655	50.1	0.00544	0.00812	0.000501	0.000659	0.000282	0.19	0.00000217	0.000255	0.000689	0.00172	0.000718
2097 Feb	0.00034	0.00167	0.0902	0.00000747	2.02	6.65	0.0591	0.000655	50.1	0.00544	0.00812	0.000501	0.000659	0.000282	0.19	0.00000217	0.000255	0.000689	0.00172	0.000718
2097 Mar	0.00034	0.00167	0.0902	0.00000747	2.02	6.65	0.0591	0.000655	50.1	0.00544	0.00812	0.000501	0.000659	0.000282	0.19	0.00000217	0.000255	0.000689	0.00172	0.000718
2097 Apr	0.000341	0.00168	0.0903	0.00000747	2.02	6.66	0.0591	0.000655	50.2	0.00544	0.00812	0.000501	0.00066	0.000282	0.19	0.00000218	0.000255	0.000689	0.00172	0.000719
2097 May	0.000341	0.00168	0.0906	0.00000749	2.03	6.67	0.0593	0.000656	50.2	0.00545	0.00814	0.000503	0.000661	0.000283	0.19	0.00000218	0.000256	0.000691	0.00172	0.00072
2097 Jun	0.000342	0.00167	0.091	0.00000749	2.02	6.65	0.0594	0.000653	49.9	0.00542	0.00815	0.000503	0.000658	0.000281	0.19	0.00000218	0.000254	0.000692	0.00172	0.000715
2097 Jul	0.000344	0.00169	0.0916	0.00000754	2.04	6.7	0.0598	0.000658	50.3	0.00546	0.0082	0.000507	0.000663	0.000283	0.191	0.00000219	0.000256	0.000697	0.00173	0.00072
2097 Aug	0.000346	0.00169	0.092	0.00000758	2.04	6.73	0.0601	0.000661	50.7	0.0055	0.00823	0.00051	0.000667	0.000285	0.192	0.0000022	0.000257	0.0007	0.00174	0.000724
2097 Sep	0.000347	0.0017	0.0921	0.00000759	2.05	6.76	0.0603	0.000664	50.9	0.00552	0.00825	0.000511	0.000669	0.000286	0.193	0.0000022	0.000258	0.000702	0.00174	0.000728
2097 Oct	0.000347	0.0017	0.092	0.00000759	2.05	6.76	0.0602	0.000665	51	0.00552	0.00824	0.000511	0.00067	0.000286	0.193	0.0000022	0.000258	0.000702	0.00174	0.000728
2097 Nov	0.000346	0.0017	0.092	0.00000758	2.05	6.76	0.0602	0.000665	51	0.00553	0.00824	0.000511	0.00067	0.000286	0.193	0.0000022	0.000258	0.000701	0.00174	0.000728

Appendix D.3-1: WN Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2097 Dec	0.000346	0.0017	0.0919	0.00000758	2.05	6.76	0.0602	0.000665	51	0.00553	0.00824	0.000511	0.00067	0.000286	0.193	0.0000022	0.000258	0.000701	0.00174	0.000728
2098 Jan	0.000346	0.0017	0.0919	0.00000758	2.05	6.77	0.0602	0.000665	51	0.00553	0.00824	0.000511	0.00067	0.000286	0.193	0.0000022	0.000258	0.000701	0.00174	0.000729
2098 Feb	0.000346	0.0017	0.0919	0.00000758	2.05	6.77	0.0602	0.000665	51	0.00553	0.00824	0.000511	0.00067	0.000286	0.193	0.0000022	0.000258	0.000701	0.00174	0.000729
2098 Mar	0.000346	0.0017	0.092	0.00000758	2.05	6.77	0.0602	0.000665	51	0.00553	0.00824	0.000511	0.00067	0.000287	0.193	0.0000022	0.000258	0.000701	0.00174	0.000729
2098 Apr	0.000347	0.0017	0.092	0.00000759	2.05	6.77	0.0603	0.000665	51	0.00553	0.00824	0.000511	0.00067	0.000287	0.193	0.0000022	0.000258	0.000702	0.00174	0.000729
2098 May	0.000348	0.0017	0.0925	0.0000076	2.05	6.76	0.0604	0.000664	50.9	0.00552	0.00825	0.000513	0.000669	0.000286	0.193	0.0000022	0.000258	0.000704	0.00174	0.000727
2098 Jun	0.000347	0.00168	0.0927	0.00000756	2.03	6.69	0.0602	0.000655	50.1	0.00544	0.00822	0.000511	0.00066	0.000282	0.191	0.00000218	0.000254	0.000702	0.00173	0.000714
2098 Jul	0.000349	0.00169	0.0934	0.00000762	2.04	6.74	0.0606	0.00066	50.5	0.00548	0.00827	0.000515	0.000665	0.000284	0.193	0.00000219	0.000256	0.000707	0.00174	0.00072
2098 Aug	0.00035	0.0017	0.0935	0.00000763	2.05	6.76	0.0608	0.000663	50.8	0.00551	0.00829	0.000516	0.000668	0.000286	0.193	0.0000022	0.000257	0.000708	0.00174	0.000723
2098 Sep	0.000349	0.0017	0.0932	0.00000762	2.04	6.77	0.0607	0.000663	50.9	0.00551	0.00826	0.000516	0.000668	0.000286	0.193	0.00000219	0.000257	0.000707	0.00174	0.000724
2098 Oct	0.000348	0.00169	0.0929	0.0000076	2.04	6.77	0.0606	0.000664	51	0.00552	0.00824	0.000515	0.000668	0.000286	0.193	0.00000218	0.000256	0.000705	0.00173	0.000724
2098 Nov	0.000348	0.00169	0.0928	0.00000759	2.03	6.77	0.0606	0.000664	51	0.00552	0.00824	0.000515	0.000668	0.000286	0.193	0.00000218	0.000256	0.000705	0.00173	0.000724
2098 Dec	0.000348	0.00169	0.0928	0.00000759	2.03	6.77	0.0606	0.000664	51	0.00552	0.00824	0.000515	0.000668	0.000286	0.193	0.00000218	0.000256	0.000705	0.00173	0.000724
2099 Jan	0.000348	0.00169	0.0928	0.00000759	2.03	6.77	0.0606	0.000664	51	0.00552	0.00824	0.000515	0.000668	0.000286	0.193	0.00000218	0.000256	0.000705	0.00173	0.000724
2099 Feb	0.000348	0.00169	0.0928	0.00000759	2.03	6.77	0.0606	0.000665	51.1	0.00552	0.00824	0.000515	0.000668	0.000286	0.193	0.00000218	0.000256	0.000705	0.00173	0.000724
2099 Mar	0.000348	0.00169	0.0929	0.0000076	2.03	6.77	0.0606	0.000665	51.1	0.00552	0.00824	0.000515	0.000669	0.000286	0.193	0.00000218	0.000256	0.000705	0.00173	0.000724
2099 Apr	0.000349	0.0017	0.093	0.0000076	2.04	6.78	0.0607	0.000665	51.1	0.00553	0.00825	0.000516	0.000669	0.000286	0.193	0.00000218	0.000256	0.000706	0.00174	0.000725
2099 May	0.00035	0.00169	0.0938	0.0000076	2.03	6.75	0.0609	0.000661	50.7	0.0055	0.00825	0.000517	0.000665	0.000285	0.193	0.00000218	0.000255	0.000709	0.00173	0.000719
2099 Jun	0.00035	0.00169	0.0939	0.00000759	2.03	6.73	0.0609	0.000659	50.5	0.00547	0.00824	0.000517	0.000662	0.000284	0.192	0.00000217	0.000253	0.000708	0.00173	0.000715
2099 Jul	0.000352	0.0017	0.0945	0.00000764	2.04	6.78	0.0613	0.000663	50.9	0.00552	0.00829	0.00052	0.000667	0.000286	0.194	0.00000218	0.000255	0.000713	0.00174	0.000721
2099 Aug	0.000355	0.00171	0.0949	0.00000768	2.05	6.83	0.0617	0.000668	51.4	0.00556	0.00833	0.000524	0.000672	0.000288	0.195	0.00000219	0.000257	0.000717	0.00175	0.000726
2099 Sep	0.000354	0.00171	0.0947	0.00000767	2.05	6.84	0.0617	0.000669	51.5	0.00557	0.00832	0.000524	0.000673	0.000288	0.195	0.00000219	0.000257	0.000717	0.00175	0.000727
2099 Oct	0.000354	0.00171	0.0945	0.00000766	2.04	6.84	0.0616	0.00067	51.6	0.00557	0.00831	0.000523	0.000674	0.000288	0.195	0.00000218	0.000257	0.000716	0.00174	0.000728
2099 Nov	0.000353	0.00171	0.0944	0.00000765	2.04	6.84	0.0616	0.00067	51.6	0.00557	0.0083	0.000523	0.000673	0.000288	0.195	0.00000218	0.000257	0.000715	0.00174	0.000728
2099 Dec	0.000353	0.00171	0.0944	0.00000765	2.04	6.84	0.0616	0.00067	51.6	0.00557	0.0083	0.000523	0.000674	0.000288	0.195	0.00000218	0.000257	0.000715	0.00174	0.000728
2100 Jan	0.000353	0.00171	0.0944	0.00000765	2.04	6.84	0.0616	0.00067	51.6	0.00557	0.0083	0.000523	0.000674	0.000288	0.195	0.00000218	0.000257	0.000715	0.00174	0.000728
2100 Feb	0.000354	0.00171	0.0944	0.00000765	2.04	6.84	0.0616	0.00067	51.6	0.00558	0.0083	0.000523	0.000674	0.000288	0.195	0.00000218	0.000257	0.000715	0.00174	0.000728
2100 Mar	0.000354	0.00171	0.0944	0.00000765	2.04	6.84	0.0616	0.00067	51.6	0.00558	0.0083	0.000523	0.000674	0.000288	0.195	0.00000218	0.000257	0.000715	0.00174	0.000728
2100 Apr	0.000354	0.00171	0.0945	0.00000766	2.04	6.85	0.0616	0.000671	51.7	0.00558	0.0083	0.000523	0.000674	0.000289	0.195	0.00000218	0.000257	0.000716	0.00174	0.000729
2100 May	0.000355	0.00171	0.095	0.00000768	2.05	6.87	0.0619	0.000672	51.8	0.00559	0.00832	0.000526	0.000676	0.000289	0.195	0.00000218	0.000257	0.000719	0.00175	0.00073
2100 Jun	0.000354	0.00169	0.0951	0.00000764	2.03	6.8	0.0617	0.000664	51.1	0.00553	0.00828	0.000524	0.000668	0.000286	0.194	0.00000217	0.000254	0.000717	0.00173	0.000719
2100 Jul	0.000355	0.0017	0.0953	0.00000766	2.03	6.82	0.0619	0.000666	51.3	0.00555	0.0083	0.000526	0.00067	0.000287	0.194	0.00000217	0.000254	0.000719	0.00174	0.000722
2100 Aug	0.000355	0.0017	0.0953	0.00000766	2.03	6.83	0.0619	0.000667	51.5	0.00556	0.0083	0.000526	0.000671	0.000287	0.195	0.00000217	0.000255	0.000719	0.00174	0.000723
2100 Sep	0.000355	0.0017	0.0953	0.00000767	2.03	6.85	0.062	0.000669	51.7	0.00557	0.0083	0.000527	0.000673	0.000288	0.195	0.00000217	0.000255	0.000719	0.00174	0.000725
2100 Oct	0.000356	0.00171	0.0953	0.00000767	2.04	6.86	0.0621	0.000671	51.8	0.00559	0.0083	0.000528	0.000675	0.000289	0.195	0.00000217	0.000255	0.00072	0.00174	0.000727
2100 Nov	0.000356	0.00171	0.0953	0.00000767	2.04	6.87	0.0621	0.000671	51.9	0.00559	0.0083	0.000528	0.000675	0.000289	0.195	0.00000217	0.000256	0.00072	0.00174	0.000727
2100 Dec	0.000356	0.00171	0.0953	0.00000767	2.04	6.87	0.0621	0.000671	51.9	0.00559	0.0083	0.000528	0.000675	0.000289	0.195	0.00000217	0.000256	0.00072	0.00174	0.000728
2101 Jan	0.000356	0.00171	0.0953	0.00000767	2.04	6.87	0.0621	0.000671	51.9	0.0056	0.0083	0.000528	0.000676	0.000289	0.195	0.00000217	0.000256	0.00072	0.00174	0.000728
2101 Feb	0.000356	0.00171	0.0953	0.00000767	2.04	6.87	0.0621	0.000671	51.9	0.0056	0.0083	0.000528	0.000676	0.000289	0.195	0.00000217	0.000256	0.000721	0.00174	0.000728
2101 Mar	0.000356	0.00171	0.0953	0.00000767	2.04	6.87	0.0621	0.000671	51.9	0.0056	0.0083	0.000528	0.000676	0.000289	0.195	0.00000217	0.000256	0.000721	0.00174	0.000728
2101 Apr	0.000356	0.00171	0.0953	0.00000768	2.04	6.88	0.0622	0.000672	51.9	0.0056	0.00831	0.000529	0.000676	0.000289	0.196	0.00000217	0.000256	0.000721	0.00174	0.000729
2101 May	0.000357	0.00171	0.0958	0.00000769	2.04	6.88	0.0623	0.000671	51.8	0.00559	0.00832	0.00053	0.000675	0.000289	0.196	0.00000217	0.000256	0.000723	0.00174	0.000727
2101 Jun	0.000357	0.0017	0.096	0.00000767	2.03	6.84	0.0622	0.000666	51.5	0.00555	0.0083	0.00053	0.000671	0.000287	0.195	0.00000216	0.000254	0.000722	0.00174	0.000721
2101 Jul	0.000359	0.00171	0.0966	0.00000772	2.04	6.89	0.0627	0.000671	51.9	0.0056	0.00836	0.000533	0.000676	0.000289	0.196	0.00000218	0.000255	0.000727	0.00175	0.000726
2101 Aug	0.000362	0.00172	0.0971	0.00000777	2.06	6.94	0.0631	0.000676	52.3	0.00564	0.00841	0.000537	0.000681	0.000292	0.197	0.00000219	0.000257	0.000732	0.00176	0.000732
2101 Sep	0.000362	0.00172	0.097	0.00000777	2.05	6.95	0.0631	0.000678	52.5	0.00565	0.0084	0.000537	0.000682	0.000292	0.198	0.00000219	0.000257	0.000732	0.00176	0.000734
2101 Oct	0.000362	0.00173	0.0969	0.00000777	2.05	6.97	0.0632	0.000679	52.7	0.00567	0.0084	0.000538	0.000684	0.000293	0.198	0.00000219	0.000258	0.000732	0.00176	0.000736
2101 Nov	0.000361	0.00172	0.0967	0.00000775	2.05	6.97	0.0631	0.000679	52.7	0.00567	0.00838	0.000537	0.000684	0.000293	0.198	0.00000218	0.000258	0.000731	0.00176	0.000736
2101 Dec	0.000361	0.00172	0.0967	0.00000775	2.05	6.97	0.0631	0.00068	52.7	0.00567	0.00838	0.000537	0.000684	0.000293	0.198	0.00000218	0.000258	0.000731	0.00176	0.000736
2102 Jan	0.000361	0.00173	0.0967	0.00000775	2.05	6.97	0.0631	0.00068	52.7	0.00567	0.00838	0.000537	0.000684	0.000293	0.198	0.00000218	0.000258	0.000731	0.00176	0.000736
2102 Feb	0.000361	0.00173	0.0967	0.00000775	2.05	6.97	0.0631	0.00068	52.7	0.00567	0.00838	0.000537	0.000684	0.000293	0.198	0.00000218	0.000258	0.000731	0.00176	0.000736
2102 Mar	0.000361	0.00173	0.0967	0.00000775	2.05	6.97	0.0631	0.00068	52.7	0.00567	0.00838	0.000538	0.000684	0.000293	0.198	0.00000218	0.000258	0.000731	0.00176	0.000736
2102 Apr	0.000361	0.00173	0.0968	0.00000776	2.05	6.97	0.0631	0.00068	52.7	0.00567	0.00839	0.000538	0.000684	0.000293	0.198	0.00000218	0.000258	0.000731	0.00176	0.000736
2102 May	0.000362	0.00173	0.0969	0.00000777	2.06	6.98	0.0632	0.000681	52.8	0.00568	0.0084	0.000539	0.000686	0.000294	0.198	0.00000219	0.000258	0.000733	0.00176	0.000738
2102 Jun	0.000359	0.00172	0.0965	0.00000775	2.04	6.93	0.0628	0.000676	52.4	0.00564	0.00837	0.000535	0.000681	0.000291	0.197	0.00000217	0.000256	0.000729	0.00176	0.000731
2102 Jul	0.000359	0.00171	0.0966	0.00000777	2.04	6.92	0.0627	0.000675	52.3	0.00564	0.00838	0.000534	0.00068	0.000291	0.196	0.00000217	0.000255	0.000729	0.00176	0.00073
2102 Aug	0.00036	0.00172	0.097	0.0000078	2.04	6.95	0.063	0.000678	52.6	0.00566	0.00841	0.000536	0.000684	0.000292	0.197	0.00000218	0.000256	0.000732	0.00177	0.000733
2102 Sep	0.000361	0.00172	0.097	0.00000781	2.05	6.96	0.063	0.000679	52.7	0.00567	0.00842	0.000537	0.000685	0.000293	0.198	0.00000218	0.000257	0.000733	0.00177	0.000734
2102 Oct	0.000359	0.00172	0.0967	0.00000778	2.04	6.94	0.0628	0.000678	52.6	0.00566	0.00839	0.000535	0.000683	0.000292	0.197	0.00000218	0.000256	0.00073	0.00176	0.000732
2102 Nov	0.00036	0.00172	0.0967	0.00000778	2.04	6.95	0.0628	0.000678	52.6	0.00566	0.00839	0.000535	0.000683	0.000292	0.197	0.00000218	0.000256	0.00073	0.00176	0.000733
2102 Dec	0.00036	0.00172	0.0967	0.00000778	2.04	6.95	0.0628	0.000678	52.7	0.00566	0.00839	0.000536	0.000683	0.000292	0.197	0.00000218	0.000256	0.00073	0.00176	0.000733
2103 Jan	0.00036	0.00172	0.0967	0.00000778	2.04	6.95	0.0628	0.000678	52.7	0.00566	0.00839	0.000536	0.000683	0.000292	0.197	0.00000218	0.000256	0.00073	0.00176	0.000733
2103 Feb	0.00036	0.00172	0.0967	0.00000778	2.04	6.95	0.0628	0.000679	52.7	0.00566	0.00839	0.000536	0.000684	0.000292	0.197	0.00000218	0.000256	0.00073	0.00176	0.000733
2103 Mar	0.00036	0.00172	0.0967	0.00000779	2.04	6.95	0.0628	0.000679	52.7	0.00567	0.00839	0.000536	0.000684	0.000292	0.197	0.00000218	0.000256	0.00073	0.00176	0.000733
2103 Apr	0.00036	0.00172	0.0968	0.00000779	2.04	6.96	0.0629	0.000679	52.7	0.00567	0.0084	0.000536	0.000684	0.000292	0.197	0.00000218	0.000256	0.000731	0.00176	0.000733
2103 May	0.000361	0.00173	0.0971	0.0000078	2.04	6.98	0.0632	0.000681	52.9	0.00569	0.00841	0.000539	0.000687	0.000293	0.198	0.00000218	0.000257	0.000734	0.00177	0.000736
2103 Jun	0.000361	0.00171	0.0973	0.00000777	2.03	6.95	0.0631	0.000676	52.6	0.00565	0.00837	0.000539	0.000682	0.000292	0.197	0.00000216	0.000254	0.000733	0.00176	0.000729
2103 Jul	0.000362	0.00172	0.0975	0.0000078	2.03	6.97	0.0633	0.000678	52.8	0.00567	0.0084	0.00054	0.000684	0.000292	0.197	0.00000217	0.000255	0.000736	0.00176	0.000732
2103 Aug	0.000362	0.00172	0.0976	0.00000781	2.04	6.98	0.0634	0.000679	52.9	0.00569	0.00841	0.000541	0.000686	0.000293	0.198	0.00000217	0.000255	0.000736	0.00177	0.000734
2103 Sep	0.000362	0.00172	0.0975	0.00000781	2.03	6.99	0.0634	0.000681	53.1	0.0057	0.0084	0.000541	0.000687	0.000294	0.198	0.00000217	0.000256	0.000736	0.00176	0.000735
2103 Oct	0.000361	0.00172	0.0972	0.00000779	2.03	6.97	0.0631	0.000679	53	0.00568	0.00838	0.000539	0.000685	0.000293	0.197	0.00000216	0.000255	0.000733	0.00176	0.000733
2103 Nov	0.000361	0.00172	0.0971	0.00000778	2.02	6.97	0.0631	0.000679	52.9	0.00568	0.00837	0.000539	0.000684	0.000293	0.197	0.00000216	0.000254	0.000732	0.00176	0.000732

Appendix D.3-1: WN Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2103 Dec	0.000361	0.00172	0.0971	0.00000779	2.02	6.97	0.0631	0.000679	53	0.00568	0.00837	0.000539	0.000685	0.000293	0.197	0.00000216	0.000254	0.000733	0.00176	0.000732
2104 Jan	0.000361	0.00172	0.0971	0.00000779	2.02	6.97	0.0631	0.000679	53	0.00568	0.00837	0.000539	0.000685	0.000293	0.197	0.00000216	0.000254	0.000733	0.00176	0.000732
2104 Feb	0.000361	0.00172	0.0971	0.00000779	2.02	6.97	0.0631	0.000679	53	0.00568	0.00837	0.000539	0.000685	0.000293	0.197	0.00000216	0.000254	0.000733	0.00176	0.000732
2104 Mar	0.000361	0.00172	0.0971	0.00000779	2.02	6.97	0.0631	0.00068	53	0.00568	0.00838	0.000539	0.000685	0.000293	0.197	0.00000216	0.000254	0.000733	0.00176	0.000733
2104 Apr	0.000361	0.00172	0.0972	0.00000779	2.03	6.98	0.0632	0.00068	53	0.00569	0.00838	0.00054	0.000685	0.000293	0.197	0.00000216	0.000255	0.000733	0.00176	0.000733
2104 May	0.000362	0.00172	0.0977	0.00000781	2.03	6.98	0.0634	0.00068	53	0.00569	0.0084	0.000542	0.000685	0.000293	0.198	0.00000216	0.000255	0.000736	0.00176	0.000732
2104 Jun	0.000361	0.00171	0.0977	0.00000777	2.01	6.93	0.0632	0.000673	52.5	0.00563	0.00836	0.00054	0.000679	0.00029	0.196	0.00000215	0.000252	0.000734	0.00175	0.000724
2104 Jul	0.000363	0.00171	0.0981	0.00000781	2.02	6.96	0.0635	0.000676	52.7	0.00566	0.0084	0.000542	0.000682	0.000292	0.197	0.00000215	0.000253	0.000737	0.00176	0.000728
2104 Aug	0.000364	0.00172	0.0984	0.00000783	2.03	6.99	0.0637	0.000679	53	0.00569	0.00842	0.000544	0.000685	0.000293	0.198	0.00000216	0.000254	0.000739	0.00176	0.000731
2104 Sep	0.000363	0.00172	0.0982	0.00000783	2.02	6.99	0.0636	0.00068	53.1	0.00569	0.00841	0.000544	0.000685	0.000293	0.198	0.00000216	0.000254	0.000738	0.00176	0.000731
2104 Oct	0.000363	0.00172	0.098	0.00000781	2.02	6.98	0.0635	0.000679	53	0.00568	0.00839	0.000543	0.000684	0.000293	0.197	0.00000215	0.000253	0.000736	0.00176	0.00073
2104 Nov	0.000362	0.00172	0.0979	0.00000781	2.02	6.98	0.0634	0.000679	53	0.00568	0.00839	0.000542	0.000684	0.000292	0.197	0.00000215	0.000253	0.000736	0.00176	0.00073
2104 Dec	0.000362	0.00172	0.0979	0.00000781	2.02	6.98	0.0634	0.000679	53	0.00568	0.00839	0.000542	0.000684	0.000293	0.197	0.00000215	0.000253	0.000736	0.00176	0.00073
2105 Jan	0.000362	0.00172	0.0979	0.00000781	2.02	6.98	0.0634	0.00068	53	0.00569	0.00839	0.000542	0.000684	0.000293	0.197	0.00000215	0.000253	0.000736	0.00176	0.00073
2105 Feb	0.000362	0.00172	0.0979	0.00000781	2.02	6.98	0.0634	0.00068	53	0.00569	0.00839	0.000542	0.000684	0.000293	0.197	0.00000215	0.000253	0.000736	0.00176	0.00073
2105 Mar	0.000362	0.00172	0.0979	0.00000781	2.02	6.98	0.0634	0.00068	53	0.00569	0.00839	0.000543	0.000684	0.000293	0.197	0.00000215	0.000253	0.000736	0.00176	0.00073
2105 Apr	0.000363	0.00172	0.098	0.00000781	2.02	6.98	0.0635	0.00068	53.1	0.00569	0.0084	0.000543	0.000685	0.000293	0.197	0.00000215	0.000253	0.000737	0.00176	0.000731
2105 May	0.000364	0.00172	0.0983	0.00000782	2.02	6.99	0.0637	0.00068	53.1	0.00569	0.00841	0.000545	0.000685	0.000293	0.198	0.00000215	0.000253	0.000739	0.00176	0.00073
2105 Jun	0.000364	0.00172	0.0987	0.00000783	2.02	6.98	0.0638	0.000678	52.9	0.00568	0.00841	0.000545	0.000683	0.000292	0.197	0.00000215	0.000252	0.00074	0.00176	0.000728
2105 Jul	0.000366	0.00172	0.0991	0.00000786	2.03	7.02	0.0641	0.000682	53.2	0.00571	0.00845	0.000548	0.000687	0.000294	0.198	0.00000216	0.000254	0.000743	0.00177	0.000732
2105 Aug	0.000366	0.00173	0.099	0.00000786	2.03	7.03	0.0641	0.000683	53.4	0.00572	0.00844	0.000548	0.000688	0.000294	0.199	0.00000216	0.000254	0.000743	0.00176	0.000733
2105 Sep	0.000365	0.00172	0.0986	0.00000784	2.02	7.03	0.0639	0.000683	53.5	0.00572	0.00842	0.000547	0.000688	0.000294	0.198	0.00000215	0.000253	0.000741	0.00176	0.000734
2105 Oct	0.000364	0.00172	0.0984	0.00000783	2.01	7.03	0.0638	0.000684	53.6	0.00573	0.0084	0.000547	0.000688	0.000294	0.198	0.00000214	0.000253	0.000739	0.00176	0.000734
2105 Nov	0.000364	0.00172	0.0983	0.00000782	2.01	7.02	0.0638	0.000684	53.5	0.00572	0.00839	0.000546	0.000688	0.000294	0.198	0.00000214	0.000253	0.000739	0.00175	0.000733
2105 Dec	0.000364	0.00172	0.0983	0.00000782	2.01	7.03	0.0638	0.000684	53.6	0.00573	0.00839	0.000546	0.000688	0.000294	0.198	0.00000214	0.000253	0.000739	0.00175	0.000734
2106 Jan	0.000364	0.00172	0.0983	0.00000782	2.01	7.03	0.0638	0.000684	53.6	0.00573	0.00839	0.000546	0.000688	0.000294	0.198	0.00000214	0.000253	0.000739	0.00175	0.000734
2106 Feb	0.000364	0.00172	0.0983	0.00000782	2.01	7.03	0.0638	0.000684	53.6	0.00573	0.00839	0.000546	0.000688	0.000294	0.198	0.00000214	0.000253	0.000739	0.00175	0.000734
2106 Mar	0.000364	0.00172	0.0983	0.00000782	2.01	7.03	0.0638	0.000684	53.6	0.00573	0.00839	0.000546	0.000688	0.000294	0.198	0.00000214	0.000253	0.000739	0.00175	0.000734
2106 Apr	0.000364	0.00172	0.0983	0.00000783	2.01	7.03	0.0638	0.000684	53.6	0.00573	0.0084	0.000547	0.000688	0.000295	0.198	0.00000214	0.000253	0.000739	0.00176	0.000734
2106 May	0.000365	0.00173	0.0986	0.00000784	2.02	7.05	0.064	0.000686	53.7	0.00574	0.00841	0.000548	0.00069	0.000295	0.199	0.00000214	0.000253	0.000741	0.00176	0.000735
2106 Jun	0.000364	0.00171	0.0986	0.00000781	2	6.99	0.0638	0.000679	53.2	0.00569	0.00838	0.000547	0.000684	0.000293	0.197	0.00000213	0.000251	0.000739	0.00175	0.000727
2106 Jul	0.000365	0.00172	0.099	0.00000785	2.01	7.02	0.0641	0.000682	53.5	0.00572	0.00841	0.000549	0.000687	0.000294	0.198	0.00000214	0.000252	0.000743	0.00176	0.000731
2106 Aug	0.000366	0.00172	0.099	0.00000786	2.01	7.04	0.0641	0.000684	53.7	0.00574	0.00842	0.00055	0.000689	0.000295	0.198	0.00000214	0.000252	0.000743	0.00176	0.000733
2106 Sep	0.000365	0.00172	0.0988	0.00000785	2.01	7.05	0.0641	0.000685	53.8	0.00575	0.0084	0.000549	0.00069	0.000295	0.198	0.00000213	0.000252	0.000742	0.00176	0.000734
2106 Oct	0.000365	0.00172	0.0987	0.00000785	2	7.06	0.0641	0.000687	54	0.00576	0.0084	0.00055	0.000691	0.000296	0.199	0.00000213	0.000252	0.000742	0.00176	0.000736
2106 Nov	0.000365	0.00172	0.0987	0.00000785	2.01	7.07	0.0641	0.000687	54	0.00576	0.0084	0.00055	0.000692	0.000296	0.199	0.00000213	0.000252	0.000742	0.00176	0.000736
2106 Dec	0.000365	0.00173	0.0987	0.00000785	2.01	7.07	0.0641	0.000687	54	0.00577	0.0084	0.00055	0.000692	0.000296	0.199	0.00000213	0.000252	0.000742	0.00176	0.000737
2107 Jan	0.000365	0.00173	0.0987	0.00000785	2.01	7.07	0.0641	0.000687	54	0.00577	0.0084	0.00055	0.000692	0.000296	0.199	0.00000213	0.000252	0.000742	0.00176	0.000737
2107 Feb	0.000366	0.00173	0.0987	0.00000785	2.01	7.07	0.0642	0.000687	54	0.00577	0.0084	0.00055	0.000692	0.000296	0.199	0.00000213	0.000252	0.000742	0.00176	0.000737
2107 Mar	0.000366	0.00173	0.0987	0.00000785	2.01	7.07	0.0642	0.000687	54.1	0.00577	0.0084	0.00055	0.000692	0.000296	0.199	0.00000213	0.000252	0.000743	0.00176	0.000737
2107 Apr	0.000366	0.00173	0.0988	0.00000785	2.01	7.07	0.0642	0.000688	54.1	0.00577	0.0084	0.000551	0.000692	0.000296	0.199	0.00000213	0.000253	0.000743	0.00176	0.000737
2107 May	0.000366	0.00173	0.099	0.00000786	2.01	7.07	0.0642	0.000687	54	0.00576	0.00841	0.000551	0.000692	0.000296	0.199	0.00000213	0.000252	0.000744	0.00176	0.000736
2107 Jun	0.000366	0.00172	0.0993	0.00000786	2	7.04	0.0642	0.000683	53.7	0.00573	0.00841	0.000551	0.000688	0.000294	0.198	0.00000213	0.000251	0.000744	0.00176	0.000731
2107 Jul	0.000367	0.00173	0.0996	0.00000788	2.01	7.07	0.0645	0.000686	53.9	0.00576	0.00843	0.000553	0.000691	0.000296	0.199	0.00000214	0.000252	0.000747	0.00176	0.000734
2107 Aug	0.000369	0.00174	0.1	0.00000792	2.02	7.11	0.0648	0.00069	54.3	0.00579	0.00847	0.000556	0.000695	0.000297	0.2	0.00000214	0.000253	0.00075	0.00177	0.000739
2107 Sep	0.00037	0.00174	0.1	0.00000793	2.02	7.14	0.065	0.000693	54.6	0.00582	0.00848	0.000558	0.000698	0.000299	0.201	0.00000215	0.000254	0.000752	0.00177	0.000742
2107 Oct	0.00037	0.00174	0.1	0.00000792	2.02	7.14	0.0649	0.000694	54.7	0.00583	0.00847	0.000558	0.000699	0.000299	0.201	0.00000214	0.000254	0.000751	0.00177	0.000743
2107 Nov	0.000369	0.00174	0.0999	0.00000792	2.02	7.14	0.0649	0.000694	54.7	0.00583	0.00847	0.000557	0.000699	0.000299	0.201	0.00000214	0.000254	0.000751	0.00177	0.000743
2107 Dec	0.00037	0.00174	0.0999	0.00000792	2.02	7.14	0.0649	0.000694	54.7	0.00583	0.00847	0.000558	0.000699	0.000299	0.201	0.00000214	0.000254	0.000751	0.00177	0.000743
2108 Jan	0.00037	0.00174	0.0999	0.00000792	2.02	7.15	0.0649	0.000694	54.7	0.00583	0.00847	0.000558	0.000699	0.000299	0.201	0.00000214	0.000254	0.000751	0.00177	0.000743
2108 Feb	0.00037	0.00174	0.0999	0.00000792	2.02	7.15	0.0649	0.000694	54.7	0.00583	0.00847	0.000558	0.000699	0.000299	0.201	0.00000214	0.000254	0.000751	0.00177	0.000743
2108 Mar	0.00037	0.00174	0.0999	0.00000792	2.02	7.15	0.0649	0.000694	54.7	0.00583	0.00847	0.000558	0.000699	0.000299	0.201	0.00000214	0.000254	0.000751	0.00177	0.000744
2108 Apr	0.00037	0.00174	0.1	0.00000793	2.02	7.15	0.065	0.000695	54.8	0.00584	0.00848	0.000558	0.0007	0.000299	0.201	0.00000215	0.000254	0.000752	0.00177	0.000744
2108 May	0.000371	0.00175	0.1	0.00000795	2.02	7.17	0.0652	0.000696	54.9	0.00585	0.0085	0.00056	0.000701	0.0003	0.201	0.00000215	0.000255	0.000754	0.00178	0.000746
2108 Jun	0.00037	0.00174	0.1	0.00000795	2.02	7.13	0.065	0.000692	54.5	0.00582	0.00849	0.000558	0.000698	0.000298	0.201	0.00000215	0.000253	0.000752	0.00177	0.000741
2108 Jul	0.000372	0.00175	0.101	0.000008	2.03	7.18	0.0654	0.000697	54.9	0.00585	0.00854	0.000561	0.000702	0.0003	0.202	0.00000216	0.000255	0.000757	0.00179	0.000745
2108 Aug	0.000375	0.00176	0.102	0.00000805	2.04	7.23	0.0658	0.000702	55.3	0.0059	0.0086	0.000565	0.000708	0.000302	0.203	0.00000217	0.000256	0.000762	0.0018	0.000751
2108 Sep	0.000375	0.00177	0.102	0.00000806	2.04	7.25	0.0659	0.000704	55.5	0.00592	0.0086	0.000566	0.00071	0.000303	0.204	0.00000217	0.000257	0.000763	0.0018	0.000754
2108 Oct	0.000374	0.00176	0.101	0.00000803	2.03	7.23	0.0656	0.000703	55.4	0.0059	0.00857	0.000564	0.000708	0.000302	0.203	0.00000216	0.000256	0.00076	0.00179	0.000752
2108 Nov	0.000374	0.00176	0.101	0.00000803	2.03	7.23	0.0656	0.000703	55.4	0.0059	0.00857	0.000564	0.000707	0.000302	0.203	0.00000216	0.000256	0.00076	0.00179	0.000752
2108 Dec	0.000374	0.00176	0.101	0.00000803	2.03	7.23	0.0656	0.000703	55.5	0.0059	0.00857	0.000564	0.000708	0.000303	0.203	0.00000216	0.000256	0.00076	0.00179	0.000752
2109 Jan	0.000374	0.00176	0.101	0.00000803	2.03	7.23	0.0656	0.000703	55.5	0.0059	0.00857	0.000564	0.000708	0.000303	0.203	0.00000216	0.000256	0.00076	0.00179	0.000752
2109 Feb	0.000374	0.00176	0.101	0.00000803	2.03	7.23	0.0656	0.000703	55.5	0.0059	0.00857	0.000564	0.000708	0.000303	0.203	0.00000216	0.000256	0.00076	0.00179	0.000752
2109 Mar	0.000374	0.00176	0.101	0.00000803	2.03	7.23	0.0657	0.000703	55.5	0.00591	0.00857	0.000564	0.000708	0.000303	0.203	0.00000216	0.000256	0.00076	0.00179	0.000752
2109 Apr	0.000374	0.00176	0.101	0.00000803	2.04	7.24	0.0657	0.000703	55.5	0.00591	0.00858	0.000565	0.000708	0.000303	0.203	0.00000216	0.000256	0.000761	0.00179	0.000753
2109 May	0.000375	0.00176	0.102	0.00000804	2.04	7.24	0.0658	0.000703	55.4	0.0059	0.00859	0.000566	0.000708	0.000303	0.203	0.00000217	0.000256	0.000762	0.00179	0.000751
2109 Jun	0.000376	0.00176	0.102	0.00000806	2.04	7.23	0.066	0.000701	55.3	0.00589	0.00861	0.000567	0.000706	0.000302	0.203	0.00000217	0.000255	0.000764	0.0018	0.000748
2109 Jul	0.000377	0.00177	0.102	0.00000809	2.04	7.26	0.0662	0.000704	55.6	0.00592	0.00863	0.000569	0.00071	0.000304	0.204	0.00000217	0.000256	0.000767	0.0018	0.000753
2109 Aug	0.000378	0.00177	0.103	0.00000812	2.05	7.3	0.0665	0.000708	55.9	0.00596	0.00866	0.000572	0.000714	0.000305	0.205	0.00000218	0.000258	0.00077	0.00181	0.000757
2109 Sep	0.000378	0.00178	0.103	0.00000811	2.05	7.32	0.0665	0.00071	56.2	0.00597	0.00865	0.000573	0.000716	0.000306	0.205	0.00000218	0.000258	0.00077	0.00181	0.000759
2109 Oct	0.000377	0.00177	0.102	0.00000808	2.04	7.3	0.0663	0.000709	56.1	0.00596	0.00862	0.00057	0.000714	0.000305	0.205	0.00000217	0.000257	0.000766	0.0018	0.000757

Appendix D.3-1: WN Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2109 Nov	0.000377	0.00177	0.102	0.00000808	2.04	7.31	0.0663	0.000709	56.1	0.00597	0.00862	0.000571	0.000714	0.000305	0.205	0.00000217	0.000257	0.000766	0.0018	0.000758
2109 Dec	0.000377	0.00177	0.102	0.00000808	2.04	7.31	0.0663	0.00071	56.2	0.00597	0.00862	0.000571	0.000714	0.000305	0.205	0.00000217	0.000257	0.000767	0.0018	0.000758
2110 Jan	0.000377	0.00177	0.102	0.00000808	2.04	7.31	0.0663	0.00071	56.2	0.00597	0.00862	0.000571	0.000714	0.000305	0.205	0.00000217	0.000257	0.000767	0.0018	0.000758
2110 Feb	0.000377	0.00177	0.102	0.00000808	2.04	7.31	0.0663	0.00071	56.2	0.00597	0.00862	0.000571	0.000714	0.000306	0.205	0.00000217	0.000257	0.000767	0.0018	0.000758
2110 Mar	0.000377	0.00177	0.102	0.00000809	2.04	7.31	0.0663	0.00071	56.2	0.00597	0.00862	0.000571	0.000715	0.000306	0.205	0.00000217	0.000257	0.000767	0.0018	0.000758
2110 Apr	0.000377	0.00177	0.102	0.00000809	2.04	7.31	0.0664	0.00071	56.2	0.00597	0.00863	0.000571	0.000715	0.000306	0.205	0.00000217	0.000257	0.000767	0.0018	0.000759
2110 May	0.000378	0.00178	0.102	0.0000081	2.04	7.33	0.0665	0.000712	56.4	0.00599	0.00864	0.000573	0.000717	0.000306	0.205	0.00000217	0.000258	0.000769	0.0018	0.000761
2110 Jun	0.000378	0.00177	0.102	0.00000807	2.03	7.32	0.0666	0.000709	56.3	0.00597	0.00861	0.000573	0.000715	0.000306	0.205	0.00000216	0.000256	0.000769	0.0018	0.000758
2110 Jul	0.000379	0.00178	0.103	0.00000811	2.04	7.34	0.0668	0.000711	56.5	0.006	0.00864	0.000576	0.000718	0.000307	0.205	0.00000216	0.000257	0.000772	0.00181	0.000761
2110 Aug	0.000378	0.00177	0.102	0.00000808	2.03	7.32	0.0665	0.00071	56.4	0.00598	0.0086	0.000573	0.000715	0.000306	0.205	0.00000215	0.000256	0.000768	0.0018	0.000758
2110 Sep	0.000376	0.00177	0.102	0.00000805	2.02	7.31	0.0663	0.000709	56.4	0.00598	0.00857	0.000571	0.000714	0.000305	0.204	0.00000214	0.000255	0.000765	0.00179	0.000758
2110 Oct	0.000375	0.00176	0.101	0.00000803	2.01	7.29	0.066	0.000708	56.3	0.00596	0.00854	0.000569	0.000712	0.000304	0.203	0.00000213	0.000254	0.000761	0.00178	0.000755
2110 Nov	0.000374	0.00176	0.101	0.00000802	2	7.29	0.0659	0.000708	56.3	0.00596	0.00853	0.000568	0.000712	0.000304	0.203	0.00000213	0.000254	0.000761	0.00178	0.000755
2110 Dec	0.000374	0.00176	0.101	0.00000802	2	7.29	0.0659	0.000708	56.3	0.00596	0.00853	0.000569	0.000712	0.000304	0.203	0.00000213	0.000254	0.000761	0.00178	0.000755
2111 Jan	0.000374	0.00176	0.101	0.00000802	2	7.29	0.0659	0.000708	56.3	0.00596	0.00853	0.000569	0.000712	0.000305	0.203	0.00000213	0.000254	0.000761	0.00178	0.000756
2111 Feb	0.000374	0.00176	0.101	0.00000802	2	7.29	0.0659	0.000708	56.3	0.00596	0.00853	0.000569	0.000712	0.000305	0.203	0.00000213	0.000254	0.000761	0.00178	0.000756
2111 Mar	0.000374	0.00176	0.101	0.00000802	2.01	7.29	0.0659	0.000708	56.3	0.00597	0.00853	0.000569	0.000712	0.000305	0.203	0.00000213	0.000254	0.000761	0.00178	0.000756
2111 Apr	0.000375	0.00176	0.101	0.00000803	2.01	7.3	0.066	0.000709	56.4	0.00597	0.00854	0.000569	0.000713	0.000305	0.204	0.00000213	0.000254	0.000762	0.00178	0.000756
2111 May	0.000376	0.00176	0.102	0.00000804	2.01	7.3	0.0661	0.000709	56.4	0.00597	0.00856	0.00057	0.000713	0.000305	0.204	0.00000214	0.000254	0.000763	0.00179	0.000756
2111 Jun	0.000375	0.00175	0.102	0.00000803	2	7.26	0.0661	0.000704	55.9	0.00593	0.00854	0.00057	0.000708	0.000303	0.203	0.00000213	0.000252	0.000763	0.00178	0.000749
2111 Jul	0.000378	0.00177	0.103	0.00000808	2.01	7.31	0.0665	0.000709	56.3	0.00597	0.0086	0.000574	0.000713	0.000305	0.204	0.00000214	0.000254	0.000768	0.00179	0.000755
2111 Aug	0.000377	0.00177	0.102	0.00000808	2.01	7.32	0.0665	0.00071	56.4	0.00598	0.00859	0.000574	0.000714	0.000305	0.204	0.00000214	0.000253	0.000767	0.00179	0.000756
2111 Sep	0.000378	0.00177	0.102	0.00000808	2.01	7.34	0.0665	0.000712	56.7	0.006	0.00858	0.000574	0.000716	0.000306	0.205	0.00000214	0.000254	0.000767	0.00179	0.000758
2111 Oct	0.000376	0.00177	0.102	0.00000806	2	7.33	0.0664	0.000711	56.7	0.006	0.00856	0.000573	0.000715	0.000306	0.204	0.00000213	0.000253	0.000765	0.00178	0.000758
2111 Nov	0.000376	0.00176	0.102	0.00000804	2	7.32	0.0662	0.000711	56.7	0.00599	0.00854	0.000572	0.000714	0.000306	0.204	0.00000212	0.000253	0.000764	0.00178	0.000757
2111 Dec	0.000376	0.00176	0.102	0.00000804	2	7.32	0.0663	0.000711	56.7	0.00599	0.00854	0.000572	0.000715	0.000306	0.204	0.00000212	0.000253	0.000764	0.00178	0.000757
2112 Jan	0.000376	0.00176	0.102	0.00000804	2	7.32	0.0663	0.000711	56.7	0.00599	0.00854	0.000572	0.000715	0.000306	0.204	0.00000212	0.000253	0.000764	0.00178	0.000757
2112 Feb	0.000376	0.00176	0.102	0.00000805	2	7.33	0.0663	0.000711	56.7	0.006	0.00854	0.000572	0.000715	0.000306	0.204	0.00000212	0.000253	0.000764	0.00178	0.000758
2112 Mar	0.000376	0.00176	0.102	0.00000805	2	7.33	0.0663	0.000712	56.7	0.006	0.00854	0.000572	0.000715	0.000306	0.204	0.00000212	0.000253	0.000764	0.00178	0.000758
2112 Apr	0.000376	0.00177	0.102	0.00000805	2	7.33	0.0663	0.000712	56.8	0.006	0.00855	0.000573	0.000716	0.000306	0.204	0.00000213	0.000253	0.000765	0.00178	0.000758
2112 May	0.000377	0.00177	0.102	0.00000806	2	7.34	0.0665	0.000713	56.8	0.00601	0.00856	0.000575	0.000716	0.000306	0.204	0.00000213	0.000253	0.000767	0.00178	0.000759
2112 Jun	0.000375	0.00175	0.102	0.000008	1.98	7.25	0.0661	0.000702	56	0.00592	0.00849	0.000571	0.000706	0.000302	0.202	0.0000021	0.000249	0.000762	0.00177	0.000746
2112 Jul	0.000376	0.00175	0.102	0.00000802	1.98	7.28	0.0663	0.000704	56.2	0.00595	0.00851	0.000573	0.000709	0.000303	0.203	0.00000211	0.00025	0.000764	0.00177	0.000749
2112 Aug	0.000378	0.00176	0.103	0.00000806	1.99	7.33	0.0666	0.00071	56.7	0.00599	0.00855	0.000576	0.000714	0.000306	0.204	0.00000212	0.000251	0.000768	0.00178	0.000755
2112 Sep	0.000379	0.00177	0.103	0.00000806	1.99	7.37	0.0668	0.000713	57.1	0.00603	0.00855	0.000578	0.000719	0.000307	0.205	0.00000212	0.000252	0.00077	0.00178	0.00076
2112 Oct	0.000379	0.00177	0.102	0.00000806	1.99	7.39	0.0669	0.000715	57.4	0.00605	0.00854	0.000579	0.000721	0.000308	0.205	0.00000211	0.000253	0.000771	0.00178	0.000763
2112 Nov	0.000379	0.00177	0.102	0.00000806	2	7.4	0.067	0.000716	57.5	0.00606	0.00854	0.00058	0.000722	0.000309	0.205	0.00000211	0.000253	0.000771	0.00179	0.000765
2112 Dec	0.000379	0.00177	0.102	0.00000806	2	7.4	0.067	0.000717	57.5	0.00607	0.00854	0.00058	0.000722	0.000309	0.205	0.00000211	0.000253	0.000771	0.00179	0.000765
2113 Jan	0.000379	0.00177	0.102	0.00000806	2	7.4	0.067	0.000717	57.5	0.00607	0.00854	0.00058	0.000722	0.000309	0.205	0.00000211	0.000253	0.000771	0.00179	0.000765
2113 Feb	0.000379	0.00177	0.102	0.00000806	2	7.4	0.067	0.000717	57.5	0.00607	0.00854	0.00058	0.000723	0.000309	0.205	0.00000211	0.000253	0.000771	0.00179	0.000765
2113 Mar	0.000379	0.00177	0.102	0.00000806	2	7.41	0.067	0.000717	57.6	0.00607	0.00855	0.00058	0.000723	0.000309	0.206	0.00000212	0.000253	0.000772	0.00179	0.000765
2113 Apr	0.00038	0.00178	0.103	0.00000807	2	7.41	0.0671	0.000718	57.6	0.00607	0.00855	0.000581	0.000723	0.000309	0.206	0.00000212	0.000253	0.000772	0.00179	0.000766
2113 May	0.000381	0.00178	0.103	0.00000808	2	7.43	0.0673	0.000718	57.7	0.00608	0.00857	0.000582	0.000724	0.00031	0.206	0.00000212	0.000254	0.000774	0.00179	0.000767
2113 Jun	0.000381	0.00177	0.103	0.00000807	1.99	7.39	0.0672	0.000714	57.3	0.00604	0.00855	0.000582	0.00072	0.000308	0.205	0.00000211	0.000252	0.000774	0.00178	0.000761
2113 Jul	0.000382	0.00178	0.103	0.00000811	2	7.43	0.0675	0.000718	57.6	0.00608	0.00859	0.000585	0.000724	0.00031	0.206	0.00000212	0.000253	0.000777	0.00179	0.000765
2113 Aug	0.000384	0.00179	0.104	0.00000814	2.01	7.47	0.0678	0.000722	58	0.00612	0.00862	0.000588	0.000728	0.000311	0.207	0.00000213	0.000254	0.000781	0.0018	0.00077
2113 Sep	0.000384	0.00179	0.104	0.00000813	2.01	7.48	0.0678	0.000723	58.2	0.00613	0.00861	0.000588	0.00073	0.000312	0.207	0.00000212	0.000254	0.00078	0.0018	0.000772
2113 Oct	0.000382	0.00178	0.103	0.0000081	2	7.46	0.0675	0.000722	58.1	0.00611	0.00857	0.000585	0.000727	0.000311	0.207	0.00000211	0.000253	0.000776	0.00179	0.00077
2113 Nov	0.000382	0.00178	0.103	0.00000809	1.99	7.46	0.0675	0.000722	58.1	0.00612	0.00857	0.000585	0.000727	0.000311	0.206	0.00000211	0.000253	0.000776	0.00179	0.00077
2113 Dec	0.000382	0.00178	0.103	0.00000809	1.99	7.46	0.0675	0.000722	58.1	0.00612	0.00857	0.000585	0.000727	0.000311	0.207	0.00000211	0.000253	0.000776	0.00179	0.00077
2114 Jan	0.000382	0.00178	0.103	0.00000809	1.99	7.46	0.0675	0.000722	58.1	0.00612	0.00857	0.000585	0.000727	0.000311	0.207	0.00000211	0.000253	0.000776	0.00179	0.00077
2114 Feb	0.000382	0.00178	0.103	0.00000809	1.99	7.46	0.0675	0.000722	58.1	0.00612	0.00857	0.000585	0.000727	0.000311	0.207	0.00000211	0.000253	0.000776	0.00179	0.00077
2114 Mar	0.000382	0.00178	0.103	0.00000809	1.99	7.46	0.0675	0.000722	58.1	0.00612	0.00857	0.000585	0.000728	0.000311	0.207	0.00000211	0.000253	0.000776	0.00179	0.00077
2114 Apr	0.000382	0.00178	0.103	0.0000081	2	7.47	0.0675	0.000723	58.2	0.00612	0.00857	0.000585	0.000728	0.000311	0.207	0.00000211	0.000253	0.000777	0.00179	0.000771
2114 May	0.000383	0.00178	0.103	0.0000081	2	7.47	0.0677	0.000723	58.2	0.00613	0.00858	0.000587	0.000728	0.000312	0.207	0.00000211	0.000253	0.000778	0.00179	0.000771
2114 Jun	0.000384	0.00179	0.104	0.00000812	2	7.49	0.068	0.000723	58.3	0.00613	0.00859	0.000589	0.000729	0.000312	0.207	0.00000211	0.000253	0.000781	0.00179	0.000771
2114 Jul	0.000387	0.0018	0.105	0.00000817	2.01	7.55	0.0685	0.000728	58.8	0.00618	0.00865	0.000594	0.000735	0.000314	0.209	0.00000213	0.000255	0.000787	0.00181	0.000777
2114 Aug	0.00039	0.00181	0.105	0.00000822	2.02	7.61	0.069	0.000735	59.3	0.00624	0.0087	0.000598	0.000742	0.000317	0.21	0.00000214	0.000257	0.000793	0.00182	0.000784
2114 Sep	0.00039	0.00182	0.105	0.00000822	2.02	7.63	0.069	0.000737	59.6	0.00626	0.00869	0.000599	0.000743	0.000318	0.211	0.00000214	0.000257	0.000792	0.00182	0.000787
2114 Oct	0.000389	0.00182	0.105	0.0000082	2.02	7.64	0.0689	0.000738	59.7	0.00627	0.00867	0.000598	0.000745	0.000318	0.211	0.00000213	0.000257	0.000791	0.00181	0.000789
2114 Nov	0.000388	0.00181	0.104	0.00000818	2.01	7.63	0.0688	0.000738	59.8	0.00627	0.00865	0.000597	0.000744	0.000318	0.21	0.00000212	0.000257	0.000789	0.00181	0.000789
2114 Dec	0.000388	0.00181	0.104	0.00000818	2.01	7.64	0.0688	0.000738	59.8	0.00627	0.00865	0.000598	0.000745	0.000318	0.21	0.00000212	0.000257	0.000789	0.00181	0.000789
2115 Jan	0.000389	0.00181	0.104	0.00000818	2.01	7.64	0.0688	0.000738	59.8	0.00627	0.00865	0.000598	0.000745	0.000318	0.21	0.00000212	0.000257	0.00079	0.00181	0.000789
2115 Feb	0.000389	0.00181	0.104	0.00000818	2.01	7.64	0.0688	0.000738	59.8	0.00627	0.00865	0.000598	0.000745	0.000318	0.21	0.00000212	0.000257	0.00079	0.00181	0.000789
2115 Mar	0.000389	0.00181	0.104	0.00000818	2.01	7.64	0.0688	0.000738	59.8	0.00628	0.00865	0.000598	0.000745	0.000319	0.211	0.00000212	0.000257	0.00079	0.00181	0.000789
2115 Apr	0.000389	0.00182	0.104	0.00000819	2.01	7.64	0.0689	0.000739	59.9	0.00628	0.00866	0.000598	0.000745	0.000319	0.211	0.00000213	0.000257	0.00079	0.00181	0.00079
2115 May	0.000389	0.00181	0.105	0.00000819	2.01	7.64	0.069	0.000738	59.7	0.00627	0.00866	0.000599	0.000744	0.000318	0.211	0.00000213	0.000256	0.000791	0.00181	0.000788
2115 Jun	0.000391	0.00182	0.105	0.00000822	2.02	7.65	0.0693	0.000739	59.8	0.00628	0.0087	0.000602	0.000745	0.000319	0.211	0.00000213	0.000257	0.000795	0.00182	0.000789
2115 Jul	0.000393	0.00183	0.106	0.00000827	2.03	7.7	0.0697	0.000743	60.2	0.00632	0.00875	0.000605	0.00075	0.000321	0.212	0.00000214	0.000258	0.0008	0.00183	0.000794
2115 Aug	0.000393	0.00183	0.106	0.00000826	2.03	7.7	0.0696	0.000743	60.3	0.00632	0.00873	0.000604	0.00075	0.000321	0.212	0.00000214	0.000258	0.000798	0.00183	0.000794
2115 Sep	0.000393	0.00183	0.106	0.00000827	2.03	7.73	0.0697	0.000746	60.6	0.00635	0.00873	0.000606	0.000753	0.000322	0.213	0.00000214	0.000259	0.000799	0.00183	0.000797
2115 Oct	0.000394	0.00184	0.106	0.00000827	2.03	7.75	0.0698	0.000748	60.8	0.00637	0.00873	0.000607	0.000755	0.000323	0.213	0.00000214	0.000259	0.000799	0.00183	0.0008
2115 Nov	0.000393	0.00184	0.105	0.00000826	2.02	7.75	0.0697	0.000748	60.8	0.00637	0.00872	0.000606	0.000755	0.000323	0.213	0.00000214	0.000259	0.000799	0.00183	0.0008

Appendix D.3-1: WN Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Dec	0.000393	0.00184	0.105	0.00000826	2.02	7.75	0.0697	0.000749	60.9	0.00637	0.00872	0.000606	0.000755	0.000323	0.213	0.00000214	0.000259	0.000799	0.00183	0.000801
2116 Jan	0.000393	0.00184	0.105	0.00000826	2.02	7.75	0.0698	0.000749	60.9	0.00637	0.00872	0.000607	0.000755	0.000323	0.213	0.00000214	0.000259	0.000799	0.00183	0.000801
2116 Feb	0.000393	0.00184	0.105	0.00000826	2.03	7.75	0.0698	0.000749	60.9	0.00637	0.00872	0.000607	0.000756	0.000323	0.213	0.00000214	0.000259	0.000799	0.00183	0.000801
2116 Mar	0.000394	0.00184	0.105	0.00000826	2.03	7.75	0.0698	0.000749	60.9	0.00637	0.00872	0.000607	0.000756	0.000323	0.213	0.00000214	0.000259	0.000799	0.00183	0.000801
2116 Apr	0.000394	0.00184	0.106	0.00000827	2.03	7.76	0.0698	0.000749	60.9	0.00638	0.00873	0.000607	0.000756	0.000323	0.213	0.00000214	0.000259	0.0008	0.00183	0.000801
2116 May	0.000395	0.00184	0.106	0.00000828	2.03	7.78	0.0701	0.000751	61.1	0.0064	0.00874	0.00061	0.000758	0.000324	0.214	0.00000214	0.00026	0.000802	0.00183	0.000804
2116 Jun	0.000394	0.00183	0.106	0.00000823	2.01	7.72	0.0698	0.000744	60.5	0.00634	0.00869	0.000608	0.000751	0.000321	0.212	0.00000212	0.000257	0.0008	0.00182	0.000795
2116 Jul	0.000396	0.00184	0.106	0.00000828	2.02	7.77	0.0703	0.000748	61	0.00638	0.00874	0.000611	0.000756	0.000324	0.214	0.00000213	0.000258	0.000805	0.00183	0.0008
2116 Aug	0.000398	0.00185	0.107	0.00000833	2.04	7.82	0.0707	0.000753	61.4	0.00643	0.00879	0.000615	0.000762	0.000326	0.215	0.00000215	0.00026	0.000809	0.00184	0.000806
2116 Sep	0.000398	0.00185	0.107	0.00000831	2.03	7.82	0.0706	0.000754	61.5	0.00643	0.00877	0.000614	0.000762	0.000326	0.215	0.00000214	0.000259	0.000808	0.00184	0.000807
2116 Oct	0.000397	0.00185	0.106	0.00000829	2.02	7.82	0.0704	0.000754	61.6	0.00643	0.00874	0.000613	0.000762	0.000326	0.214	0.00000213	0.000259	0.000806	0.00183	0.000807
2116 Nov	0.000397	0.00185	0.106	0.00000829	2.02	7.83	0.0704	0.000755	61.7	0.00644	0.00874	0.000613	0.000762	0.000326	0.215	0.00000213	0.000259	0.000806	0.00183	0.000808
2116 Dec	0.000397	0.00185	0.106	0.00000829	2.02	7.83	0.0704	0.000755	61.7	0.00644	0.00874	0.000614	0.000763	0.000326	0.215	0.00000213	0.000259	0.000806	0.00183	0.000808
2117 Jan	0.000397	0.00185	0.106	0.00000829	2.02	7.83	0.0705	0.000755	61.7	0.00644	0.00874	0.000614	0.000763	0.000326	0.215	0.00000213	0.000259	0.000806	0.00183	0.000808
2117 Feb	0.000397	0.00185	0.106	0.00000829	2.02	7.83	0.0705	0.000755	61.7	0.00644	0.00874	0.000614	0.000763	0.000326	0.215	0.00000213	0.000259	0.000806	0.00183	0.000808
2117 Mar	0.000397	0.00185	0.106	0.00000829	2.02	7.83	0.0705	0.000756	61.7	0.00644	0.00874	0.000614	0.000763	0.000326	0.215	0.00000213	0.000259	0.000806	0.00183	0.000808
2117 Apr	0.000397	0.00185	0.106	0.0000083	2.03	7.84	0.0705	0.000756	61.8	0.00645	0.00875	0.000614	0.000763	0.000327	0.215	0.00000213	0.000259	0.000807	0.00183	0.000809
2117 May	0.000398	0.00185	0.107	0.00000831	2.03	7.84	0.0707	0.000756	61.7	0.00645	0.00877	0.000615	0.000764	0.000327	0.215	0.00000214	0.000259	0.000809	0.00184	0.000809
2117 Jun	0.000399	0.00185	0.107	0.00000832	2.03	7.83	0.0708	0.000754	61.5	0.00643	0.00878	0.000616	0.000762	0.000326	0.215	0.00000214	0.000259	0.00081	0.00184	0.000806
2117 Jul	0.000401	0.00186	0.108	0.00000837	2.04	7.88	0.0712	0.000759	62	0.00648	0.00883	0.00062	0.000767	0.000328	0.216	0.00000215	0.00026	0.000815	0.00185	0.000811
2117 Aug	0.000403	0.00187	0.108	0.0000084	2.05	7.92	0.0715	0.000763	62.3	0.00651	0.00886	0.000623	0.00077	0.00033	0.217	0.00000216	0.000261	0.000818	0.00185	0.000815
2117 Sep	0.000403	0.00187	0.108	0.00000841	2.05	7.94	0.0716	0.000765	62.5	0.00653	0.00887	0.000624	0.000773	0.000331	0.218	0.00000216	0.000262	0.000819	0.00186	0.000818
2117 Oct	0.000403	0.00187	0.108	0.0000084	2.05	7.94	0.0716	0.000766	62.6	0.00654	0.00886	0.000624	0.000773	0.000331	0.218	0.00000215	0.000262	0.000818	0.00185	0.000819
2117 Nov	0.000403	0.00187	0.108	0.0000084	2.04	7.94	0.0715	0.000766	62.6	0.00654	0.00885	0.000623	0.000773	0.000331	0.218	0.00000215	0.000262	0.000818	0.00185	0.000819
2117 Dec	0.000403	0.00187	0.108	0.0000084	2.04	7.95	0.0715	0.000766	62.6	0.00654	0.00885	0.000624	0.000773	0.000331	0.218	0.00000215	0.000262	0.000818	0.00185	0.000819
2118 Jan	0.000403	0.00187	0.108	0.0000084	2.04	7.95	0.0716	0.000766	62.7	0.00654	0.00885	0.000624	0.000773	0.000331	0.218	0.00000215	0.000262	0.000818	0.00185	0.000819
2118 Feb	0.000403	0.00187	0.108	0.0000084	2.04	7.95	0.0716	0.000766	62.7	0.00654	0.00885	0.000624	0.000774	0.000331	0.218	0.00000215	0.000262	0.000818	0.00185	0.000819
2118 Mar	0.000403	0.00187	0.108	0.0000084	2.04	7.95	0.0716	0.000766	62.7	0.00654	0.00886	0.000624	0.000774	0.000331	0.218	0.00000215	0.000262	0.000818	0.00185	0.000819
2118 Apr	0.000403	0.00187	0.108	0.00000841	2.05	7.95	0.0716	0.000766	62.7	0.00654	0.00886	0.000624	0.000774	0.000331	0.218	0.00000215	0.000262	0.000819	0.00185	0.00082
2118 May	0.000404	0.00187	0.108	0.0000084	2.04	7.92	0.0717	0.000763	62.3	0.00651	0.00886	0.000624	0.00077	0.00033	0.217	0.00000215	0.000261	0.00082	0.00185	0.000815
2118 Jun	0.000402	0.00185	0.108	0.00000837	2.03	7.85	0.0714	0.000754	61.6	0.00644	0.00883	0.000622	0.000761	0.000326	0.215	0.00000214	0.000258	0.000817	0.00184	0.000804
2118 Jul	0.000405	0.00186	0.109	0.00000843	2.04	7.91	0.0719	0.00076	62.1	0.00649	0.00889	0.000626	0.000767	0.000329	0.217	0.00000215	0.00026	0.000823	0.00185	0.00081
2118 Aug	0.000406	0.00187	0.109	0.00000844	2.04	7.94	0.072	0.000763	62.4	0.00651	0.00889	0.000628	0.00077	0.00033	0.218	0.00000215	0.00026	0.000824	0.00186	0.000814
2118 Sep	0.000404	0.00186	0.109	0.0000084	2.03	7.92	0.0717	0.000762	62.4	0.00651	0.00885	0.000625	0.000769	0.000329	0.217	0.00000214	0.000259	0.00082	0.00185	0.000813
2118 Oct	0.000403	0.00186	0.108	0.00000838	2.03	7.91	0.0715	0.000762	62.4	0.0065	0.00883	0.000624	0.000768	0.000329	0.217	0.00000213	0.000259	0.000817	0.00184	0.000812
2118 Nov	0.000403	0.00186	0.108	0.00000837	2.02	7.92	0.0715	0.000762	62.4	0.00651	0.00882	0.000624	0.000769	0.000329	0.217	0.00000213	0.000259	0.000817	0.00184	0.000813
2118 Dec	0.000403	0.00186	0.108	0.00000837	2.02	7.92	0.0715	0.000762	62.4	0.00651	0.00882	0.000624	0.000769	0.000329	0.217	0.00000213	0.000259	0.000817	0.00184	0.000813
2119 Jan	0.000403	0.00186	0.108	0.00000837	2.02	7.92	0.0715	0.000763	62.4	0.00651	0.00882	0.000624	0.000769	0.000329	0.217	0.00000213	0.000259	0.000817	0.00184	0.000813
2119 Feb	0.000403	0.00186	0.108	0.00000837	2.02	7.92	0.0715	0.000763	62.4	0.00651	0.00882	0.000624	0.000769	0.000329	0.217	0.00000213	0.000259	0.000817	0.00184	0.000813
2119 Mar	0.000403	0.00186	0.108	0.00000837	2.02	7.92	0.0715	0.000763	62.4	0.00651	0.00882	0.000624	0.000769	0.000329	0.217	0.00000213	0.000259	0.000817	0.00184	0.000813
2119 Apr	0.000404	0.00186	0.108	0.00000838	2.03	7.93	0.0717	0.000763	62.5	0.00652	0.00883	0.000625	0.00077	0.00033	0.217	0.00000213	0.000259	0.000819	0.00184	0.000814
2119 May	0.000404	0.00185	0.109	0.00000837	2.02	7.88	0.0718	0.000758	61.9	0.00647	0.00883	0.000624	0.000763	0.000327	0.216	0.00000213	0.000257	0.00082	0.00184	0.000806
2119 Jun	0.000404	0.00185	0.109	0.00000836	2.02	7.87	0.0717	0.000756	61.8	0.00645	0.00882	0.000624	0.000761	0.000326	0.216	0.00000212	0.000256	0.00082	0.00183	0.000803
2119 Jul	0.000407	0.00186	0.11	0.00000842	2.03	7.93	0.0723	0.000761	62.3	0.0065	0.00888	0.000628	0.000768	0.000329	0.217	0.00000214	0.000258	0.000825	0.00185	0.00081
2119 Aug	0.000409	0.00187	0.11	0.00000845	2.04	7.97	0.0725	0.000765	62.7	0.00654	0.0089	0.000631	0.000772	0.000331	0.218	0.00000214	0.000259	0.000828	0.00185	0.000815
2119 Sep	0.000408	0.00187	0.11	0.00000843	2.03	7.98	0.0725	0.000766	62.8	0.00655	0.00888	0.000631	0.000773	0.000331	0.218	0.00000214	0.000259	0.000827	0.00185	0.000816
2119 Oct	0.000407	0.00187	0.109	0.00000841	2.03	7.97	0.0723	0.000766	62.9	0.00655	0.00886	0.00063	0.000772	0.000331	0.218	0.00000213	0.000258	0.000825	0.00185	0.000816
2119 Nov	0.000407	0.00187	0.109	0.00000841	2.03	7.97	0.0723	0.000766	62.9	0.00655	0.00885	0.000629	0.000772	0.000331	0.218	0.00000213	0.000258	0.000825	0.00184	0.000816
2119 Dec	0.000407	0.00187	0.109	0.00000841	2.03	7.97	0.0723	0.000766	62.9	0.00655	0.00886	0.000629	0.000772	0.000331	0.218	0.00000213	0.000258	0.000825	0.00184	0.000816

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Post Closure (2051-2119): Min	179	0.136	0.18	0.00429	34.3	0.0626	49.5	0.00094	0.00074	0.00000535	0.00673	0.00223	0.0825	0.0164	0.00000684	19.7	0.000027	0.000424
Post Closure (2051-2119): Mean	283	0.208	0.315	0.00723	44.3	0.0687	130	0.00215	0.000819	0.00000569	0.0106	0.0078	0.215	0.0349	0.00000991	43.4	0.0000519	0.00138
Post Closure (2051-2119): Max	362	0.266	0.433	0.00981	57	0.0711	191	0.00303	0.000897	0.0000059	0.0135	0.012	0.318	0.0492	0.0000123	61.4	0.0000706	0.00212
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***
Note: Calculation of mean excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions																		
2051 Jan	179	0.258	0.41	0.0098	56.9	0.0626	49.5	0.00094	0.000896	0.00000537	0.00673	0.00223	0.0825	0.0164	0.00000684	19.7	0.000027	0.000424
2051 Feb	179	0.258	0.41	0.0098	56.9	0.0626	49.5	0.00094	0.000896	0.00000537	0.00673	0.00223	0.0825	0.0164	0.00000684	19.7	0.000027	0.000424
2051 Mar	179	0.258	0.41	0.0098	56.9	0.0626	49.5	0.00094	0.000896	0.00000537	0.00673	0.00223	0.0825	0.0164	0.00000684	19.7	0.000027	0.000424
2051 Apr	179	0.258	0.41	0.0098	56.9	0.0626	49.5	0.00094	0.000896	0.00000537	0.00673	0.00223	0.0825	0.0164	0.00000684	19.7	0.000027	0.000424
2051 May	179	0.259	0.411	0.00981	57	0.0627	49.5	0.000941	0.000897	0.00000537	0.00674	0.00224	0.0826	0.0165	0.00000685	19.8	0.000027	0.000424
2051 Jun	180	0.258	0.415	0.00977	56.4	0.063	50.6	0.000959	0.000893	0.00000536	0.00678	0.00232	0.0843	0.0167	0.00000687	20.1	0.0000273	0.000438
2051 Jul	180	0.259	0.417	0.00977	56.3	0.0631	51	0.000967	0.000892	0.00000536	0.00681	0.00235	0.085	0.0168	0.00000689	20.2	0.0000274	0.000444
2051 Aug	180	0.259	0.418	0.00977	56.3	0.0632	51.1	0.000968	0.000893	0.00000536	0.00682	0.00236	0.0852	0.0168	0.00000689	20.2	0.0000275	0.000445
2051 Sep	181	0.259	0.419	0.00976	56.1	0.0633	51.5	0.000975	0.000892	0.00000536	0.00684	0.00239	0.0859	0.0169	0.0000069	20.3	0.0000276	0.00045
2051 Oct	181	0.259	0.42	0.00974	55.8	0.0635	52.1	0.000984	0.000889	0.00000535	0.00686	0.00244	0.087	0.017	0.00000691	20.5	0.0000278	0.000459
2051 Nov	181	0.259	0.42	0.00974	55.8	0.0635	52.2	0.000985	0.000888	0.00000535	0.00686	0.00244	0.0871	0.017	0.00000691	20.5	0.0000278	0.000459
2051 Dec	181	0.259	0.42	0.00974	55.8	0.0635	52.2	0.000985	0.000888	0.00000535	0.00686	0.00244	0.0871	0.017	0.00000691	20.5	0.0000278	0.000459
2052 Jan	181	0.259	0.42	0.00974	55.8	0.0635	52.2	0.000985	0.000888	0.00000535	0.00686	0.00244	0.0871	0.017	0.00000691	20.5	0.0000278	0.000459
2052 Feb	181	0.259	0.42	0.00974	55.8	0.0635	52.2	0.000985	0.000888	0.00000535	0.00686	0.00244	0.0871	0.017	0.00000691	20.5	0.0000278	0.000459
2052 Mar	181	0.259	0.42	0.00974	55.8	0.0635	52.2	0.000985	0.000889	0.00000535	0.00686	0.00244	0.0871	0.017	0.00000691	20.5	0.0000278	0.000459
2052 Apr	181	0.259	0.42	0.00974	55.8	0.0635	52.2	0.000985	0.000889	0.00000535	0.00687	0.00244	0.0871	0.017	0.00000691	20.5	0.0000278	0.000459
2052 May	181	0.259	0.421	0.00974	55.8	0.0635	52.2	0.000986	0.000889	0.00000535	0.00687	0.00244	0.0871	0.0171	0.00000692	20.5	0.0000278	0.00046
2052 Jun	182	0.259	0.422	0.00973	55.6	0.0636	52.7	0.000994	0.000888	0.00000535	0.00689	0.00248	0.0879	0.0172	0.00000693	20.7	0.000028	0.000466
2052 Jul	182	0.259	0.422	0.00974	55.7	0.0637	52.8	0.000996	0.000889	0.00000535	0.00691	0.00249	0.0881	0.0172	0.00000694	20.7	0.000028	0.000467
2052 Aug	182	0.259	0.423	0.00975	55.7	0.0638	52.9	0.000998	0.00089	0.00000536	0.00692	0.0025	0.0883	0.0172	0.00000695	20.8	0.0000281	0.000469
2052 Sep	182	0.259	0.423	0.00975	55.7	0.0639	53.2	0.001	0.000889	0.00000536	0.00693	0.00252	0.0888	0.0173	0.00000696	20.8	0.0000282	0.000472
2052 Oct	183	0.26	0.424	0.00975	55.6	0.064	53.4	0.001	0.000889	0.00000536	0.00694	0.00253	0.0891	0.0173	0.00000696	20.9	0.0000282	0.000474
2052 Nov	183	0.26	0.424	0.00975	55.6	0.064	53.4	0.001	0.000889	0.00000536	0.00694	0.00253	0.0891	0.0173	0.00000697	20.9	0.0000282	0.000474
2052 Dec	183	0.26	0.424	0.00975	55.6	0.064	53.4	0.001	0.000889	0.00000536	0.00694	0.00253	0.0891	0.0173	0.00000697	20.9	0.0000282	0.000474
2053 Jan	183	0.26	0.424	0.00975	55.6	0.064	53.4	0.001	0.000889	0.00000536	0.00694	0.00253	0.0891	0.0173	0.00000697	20.9	0.0000282	0.000474
2053 Feb	183	0.26	0.424	0.00975	55.6	0.064	53.4	0.001	0.000889	0.00000536	0.00694	0.00253	0.0891	0.0173	0.00000697	20.9	0.0000282	0.000474
2053 Mar	183	0.26	0.424	0.00975	55.6	0.064	53.4	0.001	0.000889	0.00000536	0.00694	0.00253	0.0891	0.0173	0.00000697	20.9	0.0000282	0.000474
2053 Apr	183	0.26	0.424	0.00975	55.6	0.064	53.4	0.00101	0.000889	0.00000536	0.00694	0.00253	0.0891	0.0173	0.00000697	20.9	0.0000282	0.000474
2053 May	183	0.26	0.424	0.00975	55.6	0.0641	53.7	0.00101	0.000889	0.00000536	0.00696	0.00255	0.0896	0.0174	0.00000698	21	0.0000283	0.000478
2053 Jun	184	0.26	0.425	0.00972	55.2	0.0643	54.7	0.00103	0.000886	0.00000535	0.007	0.00263	0.0914	0.0177	0.000007	21.3	0.0000286	0.000492
2053 Jul	185	0.26	0.426	0.00973	55.2	0.0645	55.1	0.00103	0.000887	0.00000536	0.00703	0.00265	0.0919	0.0177	0.00000702	21.4	0.0000288	0.000495
2053 Aug	185	0.261	0.427	0.00975	55.4	0.0646	55.2	0.00103	0.000889	0.00000537	0.00704	0.00265	0.0921	0.0178	0.00000704	21.4	0.0000288	0.000496
2053 Sep	185	0.261	0.428	0.00976	55.4	0.0647	55.2	0.00103	0.00089	0.00000537	0.00705	0.00266	0.0922	0.0178	0.00000704	21.5	0.0000289	0.000497
2053 Oct	185	0.261	0.428	0.00977	55.4	0.0647	55.3	0.00103	0.00089	0.00000538	0.00705	0.00266	0.0922	0.0178	0.00000705	21.5	0.0000289	0.000497
2053 Nov	185	0.261	0.428	0.00977	55.4	0.0647	55.3	0.00103	0.00089	0.00000538	0.00705	0.00266	0.0922	0.0178	0.00000705	21.5	0.0000289	0.000497
2053 Dec	185	0.261	0.428	0.00977	55.4	0.0647	55.3	0.00103	0.00089	0.00000538	0.00705	0.00266	0.0922	0.0178	0.00000705	21.5	0.0000289	0.000497
2054 Jan	185	0.261	0.428	0.00977	55.4	0.0647	55.3	0.00103	0.00089	0.00000538	0.00705	0.00266	0.0922	0.0178	0.00000705	21.5	0.0000289	0.000497
2054 Feb	185	0.261	0.428	0.00977	55.4	0.0647	55.3	0.00103	0.00089	0.00000538	0.00705	0.00266	0.0922	0.0178	0.00000705	21.5	0.0000289	0.000497
2054 Mar	185	0.261	0.428	0.00977	55.4	0.0647	55.3	0.00103	0.00089	0.00000538	0.00705	0.00266	0.0922	0.0178	0.00000705	21.5	0.0000289	0.000497
2054 Apr	185	0.261	0.428	0.00977	55.4	0.0647	55.3	0.00103	0.00089	0.00000538	0.00705	0.00266	0.0923	0.0178	0.00000705	21.5	0.0000289	0.000497
2054 May	186	0.261	0.428	0.00977	55.5	0.0648	55.3	0.00104	0.00089	0.00000538	0.00706	0.00266	0.0923	0.0178	0.00000705	21.5	0.0000289	0.000498
2054 Jun	187	0.261	0.428	0.00975	55.2	0.065	56.3	0.00105	0.000887	0.00000537	0.0071	0.00273	0.094	0.018	0.00000708	21.8	0.0000292	0.00051
2054 Jul	187	0.261	0.429	0.00974	55.1	0.0651	56.9	0.00106	0.000887	0.00000537	0.00712	0.00277	0.0949	0.0182	0.0000071	21.9	0.0000294	0.000517
2054 Aug	188	0.261	0.429	0.00975	55.1	0.0652	57.1	0.00106	0.000887	0.00000538	0.00714	0.00279	0.0953	0.0182	0.00000711	22	0.0000294	0.00052
2054 Sep	188	0.262	0.429	0.00975	55	0.0653	57.3	0.00107	0.000887	0.00000538	0.00715	0.00281	0.0957	0.0183	0.00000712	22.1	0.0000295	0.000523
2054 Oct	188	0.262	0.429	0.00974	55	0.0654	57.6	0.00107	0.000886	0.00000538	0.00716	0.00283	0.0962	0.0183	0.00000713	22.2	0.0000296	0.000526
2054 Nov	188	0.262	0.429	0.00974	54.9	0.0654	57.7	0.00107	0.000886	0.00000538	0.00717	0.00283	0.0964	0.0184	0.00000713	22.2	0.0000296	0.000528
2054 Dec	188	0.262	0.429	0.00974	54.9	0.0654	57.7	0.00107	0.000886	0.00000538	0.00717	0.00283	0.0964	0.0184	0.00000713	22.2	0.0000296	0.000528
2055 Jan	188	0.262	0.429	0.00974	54.9	0.0654	57.7	0.00107	0.000886	0.00000538	0.00717	0.00283	0.0964	0.0184	0.00000713	22.2	0.0000296	0.000528
2055 Feb	188	0.262	0.429	0.00974	55	0.0654	57.7	0.00107	0.000886	0.00000538	0.00717	0.00283	0.0964	0.0184	0.00000713	22.2	0.0000296	0.000528
2055 Mar	188	0.262	0.429	0.00974	55	0.0654	57.7	0.00107	0.000886	0.00000538	0.00717	0.00283	0.0964	0.0184	0.00000713	22.2	0.0000296	0.000528
2055 Apr	188	0.262	0.429	0.00974	55	0.0655	57.7	0.00107	0.000886	0.00000538	0.00717	0.00283	0.0964	0.0184	0.00000713	22.2	0.0000296	0.000528
2055 May	189	0.262	0.43	0.00975	55	0.0655	57.8	0.00107	0.000887	0.00000538	0.00717	0.00284	0.0965	0.0184	0.00000714	22.2	0.0000297	0.000528
2055 Jun	190	0.262	0.429	0.00972	54.7	0.0657	59	0.00109	0.000884	0.00000537	0.00723	0.00292	0.0984	0.0186	0.00000717	22.5	0.00003	0.000543
2055 Jul	191	0.262	0.43	0.00972	54.5	0.0659	59.7	0.0011	0.000883	0.00000538	0.00727	0.00297	0.0996	0.0188	0.0000072	22.7	0.0000302	0.000551
2055 Aug	191	0.262	0.43	0.00973	54.6	0.066	59.8	0.0011	0.000885	0.00000538	0.00728	0.00298	0.0998	0.0188	0.00000721	22.8	0.0000303	0.000552
2055 Sep	191	0.262	0.43	0.00973	54.6	0.066	59.8	0.0011	0.000885	0.00000539	0.00728	0.00298	0.0998	0.0188	0.00000721	22.8	0.0000303	0.000552
2055 Oct	191	0.262	0.431	0.00973	54.6	0.066	59.8	0.00111	0.000885	0.00000539	0.00728	0.00298	0.0998	0.0188	0.00000721	22.8	0.0000303	0.000553
2055 Nov	191	0.262	0.431	0.00973	54.6	0.0661	59.8	0.00111	0.000885	0.00000539	0.00728	0.00298	0.0999	0.0188	0.00000721	22.8	0.0000303	0.000553
2055 Dec	191	0.262	0.431	0.00973	54.6	0.0661	59.8	0.00111	0.000885	0.00000539	0.00728	0.00298	0.0999	0.0188	0.00000721	22.8	0.0000303	0.000553
2056 Jan	191	0.262	0.431	0.00973	54.6	0.0661	59.8	0.00111	0.000885	0.00000539	0.00728	0.00298	0.0999	0.0188	0.00000721	22.8	0.0000303	0.000553
2056 Feb	191	0.262	0.431	0.00973	54.6	0.0661	59.8	0.00111	0.000885	0.00000539	0.00728	0.00298	0.0999	0.0188	0.00000721	22.8	0.0000303	0.000553

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2056 Mar	191	0.262	0.431	0.00973	54.6	0.0661	59.8	0.00111	0.000885	0.00000539	0.00728	0.00298	0.0999	0.0188	0.00000721	22.8	0.0000303	0.000553
2056 Apr	191	0.262	0.431	0.00974	54.6	0.0661	59.9	0.00111	0.000885	0.00000539	0.00728	0.00298	0.0999	0.0188	0.00000721	22.8	0.0000303	0.000553
2056 May	192	0.263	0.431	0.00974	54.6	0.0661	60	0.00111	0.000885	0.00000539	0.00729	0.00299	0.1	0.0189	0.00000722	22.9	0.0000304	0.000555
2056 Jun	193	0.262	0.43	0.00971	54.3	0.0663	61.2	0.00113	0.000882	0.00000538	0.00734	0.00308	0.102	0.0191	0.00000726	23.2	0.0000307	0.000569
2056 Jul	193	0.263	0.431	0.00972	54.4	0.0665	61.5	0.00113	0.000884	0.00000539	0.00736	0.0031	0.102	0.0192	0.00000727	23.3	0.0000308	0.000572
2056 Aug	194	0.263	0.431	0.00973	54.4	0.0665	61.5	0.00113	0.000885	0.0000054	0.00737	0.0031	0.103	0.0192	0.00000728	23.3	0.0000308	0.000573
2056 Sep	194	0.263	0.432	0.00974	54.5	0.0666	61.6	0.00114	0.000885	0.00000541	0.00738	0.00311	0.103	0.0192	0.00000729	23.3	0.0000309	0.000574
2056 Oct	194	0.263	0.431	0.00973	54.4	0.0667	61.9	0.00114	0.000885	0.00000541	0.00739	0.00313	0.103	0.0193	0.0000073	23.4	0.000031	0.000577
2056 Nov	194	0.263	0.431	0.00973	54.4	0.0667	62	0.00114	0.000885	0.00000541	0.0074	0.00313	0.103	0.0193	0.0000073	23.5	0.000031	0.000578
2056 Dec	194	0.263	0.431	0.00973	54.4	0.0667	62	0.00114	0.000885	0.00000541	0.0074	0.00313	0.103	0.0193	0.0000073	23.5	0.000031	0.000578
2057 Jan	194	0.263	0.431	0.00973	54.4	0.0667	62	0.00114	0.000885	0.00000541	0.0074	0.00313	0.103	0.0193	0.0000073	23.5	0.000031	0.000578
2057 Feb	194	0.263	0.431	0.00973	54.4	0.0667	62	0.00114	0.000885	0.00000541	0.0074	0.00313	0.103	0.0193	0.0000073	23.5	0.000031	0.000578
2057 Mar	194	0.263	0.431	0.00973	54.4	0.0667	62	0.00114	0.000885	0.00000541	0.0074	0.00313	0.103	0.0193	0.0000073	23.5	0.000031	0.000578
2057 Apr	194	0.263	0.432	0.00974	54.4	0.0667	62	0.00114	0.000885	0.00000541	0.0074	0.00313	0.103	0.0193	0.0000073	23.5	0.000031	0.000578
2057 May	194	0.263	0.432	0.00974	54.5	0.0668	62.1	0.00114	0.000886	0.00000541	0.0074	0.00313	0.103	0.0193	0.00000731	23.5	0.000031	0.000579
2057 Jun	196	0.263	0.431	0.00971	54.1	0.0669	63.3	0.00116	0.000883	0.00000541	0.00746	0.00323	0.105	0.0196	0.00000735	23.8	0.0000314	0.000594
2057 Jul	196	0.263	0.431	0.00972	54.1	0.0671	63.7	0.00117	0.000883	0.00000541	0.00748	0.00325	0.106	0.0197	0.00000736	24	0.0000315	0.000598
2057 Aug	197	0.264	0.432	0.00974	54.3	0.0673	63.9	0.00117	0.000886	0.00000543	0.0075	0.00326	0.106	0.0198	0.00000739	24	0.0000316	0.0006
2057 Sep	197	0.264	0.433	0.00975	54.3	0.0673	63.9	0.00117	0.000887	0.00000543	0.00751	0.00326	0.106	0.0198	0.00000739	24	0.0000316	0.0006
2057 Oct	197	0.264	0.433	0.00975	54.3	0.0673	63.9	0.00117	0.000886	0.00000543	0.00751	0.00326	0.106	0.0198	0.00000739	24	0.0000316	0.0006
2057 Nov	197	0.264	0.433	0.00975	54.3	0.0673	63.9	0.00117	0.000887	0.00000543	0.00751	0.00326	0.106	0.0198	0.00000739	24	0.0000316	0.0006
2057 Dec	197	0.264	0.433	0.00975	54.3	0.0673	63.9	0.00117	0.000887	0.00000543	0.00751	0.00326	0.106	0.0198	0.00000739	24	0.0000316	0.0006
2058 Jan	197	0.264	0.433	0.00975	54.3	0.0673	63.9	0.00117	0.000887	0.00000543	0.00751	0.00326	0.106	0.0198	0.00000739	24	0.0000316	0.0006
2058 Feb	197	0.264	0.433	0.00975	54.3	0.0673	63.9	0.00117	0.000887	0.00000543	0.00751	0.00326	0.106	0.0198	0.00000739	24	0.0000316	0.0006
2058 Mar	197	0.264	0.433	0.00975	54.3	0.0673	63.9	0.00117	0.000887	0.00000543	0.00751	0.00326	0.106	0.0198	0.00000739	24	0.0000316	0.0006
2058 Apr	197	0.264	0.433	0.00975	54.3	0.0673	63.9	0.00117	0.000887	0.00000543	0.00751	0.00326	0.106	0.0198	0.00000739	24	0.0000316	0.0006
2058 May	198	0.264	0.433	0.00975	54.3	0.0674	64.3	0.00118	0.000887	0.00000544	0.00753	0.00329	0.107	0.0199	0.00000741	24.2	0.0000318	0.000605
2058 Jun	200	0.264	0.43	0.00969	53.8	0.0677	66.5	0.00121	0.000882	0.00000543	0.00762	0.00344	0.111	0.0204	0.00000748	24.8	0.0000324	0.000632
2058 Jul	201	0.264	0.431	0.0097	53.8	0.0679	67	0.00122	0.000882	0.00000544	0.00765	0.00347	0.112	0.0205	0.0000075	24.9	0.0000326	0.000637
2058 Aug	201	0.264	0.431	0.00971	53.9	0.068	67.1	0.00122	0.000884	0.00000545	0.00766	0.00348	0.112	0.0205	0.00000751	25	0.0000326	0.000638
2058 Sep	202	0.264	0.431	0.00971	53.9	0.0681	67.2	0.00122	0.000884	0.00000545	0.00767	0.00349	0.112	0.0205	0.00000752	25	0.0000327	0.00064
2058 Oct	202	0.264	0.431	0.0097	53.9	0.0681	67.5	0.00123	0.000883	0.00000545	0.00768	0.00351	0.113	0.0206	0.00000753	25.1	0.0000328	0.000644
2058 Nov	202	0.264	0.431	0.0097	53.9	0.0681	67.6	0.00123	0.000883	0.00000545	0.00769	0.00351	0.113	0.0206	0.00000753	25.1	0.0000328	0.000644
2058 Dec	202	0.264	0.431	0.0097	53.9	0.0681	67.6	0.00123	0.000883	0.00000545	0.00769	0.00351	0.113	0.0206	0.00000753	25.1	0.0000328	0.000644
2059 Jan	202	0.264	0.431	0.0097	53.9	0.0681	67.6	0.00123	0.000883	0.00000545	0.00769	0.00351	0.113	0.0206	0.00000753	25.1	0.0000328	0.000644
2059 Feb	202	0.264	0.431	0.0097	53.9	0.0681	67.6	0.00123	0.000883	0.00000545	0.00769	0.00351	0.113	0.0206	0.00000753	25.1	0.0000328	0.000644
2059 Mar	202	0.264	0.431	0.0097	53.9	0.0681	67.6	0.00123	0.000883	0.00000545	0.00769	0.00351	0.113	0.0206	0.00000753	25.1	0.0000328	0.000644
2059 Apr	202	0.264	0.431	0.0097	53.9	0.0681	67.6	0.00123	0.000883	0.00000545	0.00769	0.00351	0.113	0.0206	0.00000754	25.1	0.0000328	0.000644
2059 May	202	0.264	0.431	0.00971	53.9	0.0682	67.7	0.00123	0.000884	0.00000545	0.0077	0.00352	0.113	0.0207	0.00000754	25.2	0.0000329	0.000646
2059 Jun	204	0.264	0.431	0.00969	53.7	0.0684	68.7	0.00124	0.000883	0.00000545	0.00774	0.00359	0.114	0.0209	0.00000758	25.4	0.0000332	0.000658
2059 Jul	204	0.265	0.432	0.00971	53.9	0.0686	68.9	0.00125	0.000885	0.00000547	0.00777	0.0036	0.115	0.0209	0.0000076	25.5	0.0000333	0.00066
2059 Aug	205	0.266	0.433	0.00974	54	0.0687	69.1	0.00125	0.000887	0.00000548	0.00778	0.00361	0.115	0.021	0.00000762	25.6	0.0000333	0.000661
2059 Sep	205	0.266	0.433	0.00974	54	0.0687	69.1	0.00125	0.000887	0.00000548	0.00779	0.00361	0.115	0.021	0.00000762	25.6	0.0000334	0.000662
2059 Oct	205	0.265	0.432	0.00972	53.9	0.0687	69.1	0.00125	0.000886	0.00000548	0.00778	0.00362	0.115	0.021	0.00000761	25.6	0.0000333	0.000662
2059 Nov	205	0.265	0.432	0.00972	53.9	0.0687	69.2	0.00125	0.000886	0.00000548	0.00778	0.00362	0.115	0.021	0.00000762	25.6	0.0000334	0.000663
2059 Dec	205	0.265	0.432	0.00972	53.9	0.0687	69.2	0.00125	0.000886	0.00000548	0.00778	0.00362	0.115	0.021	0.00000762	25.6	0.0000334	0.000663
2060 Jan	205	0.265	0.432	0.00972	53.9	0.0687	69.2	0.00125	0.000886	0.00000548	0.00778	0.00362	0.115	0.021	0.00000762	25.6	0.0000334	0.000663
2060 Feb	205	0.265	0.432	0.00972	53.9	0.0687	69.2	0.00125	0.000886	0.00000548	0.00778	0.00362	0.115	0.021	0.00000762	25.6	0.0000334	0.000663
2060 Mar	205	0.265	0.432	0.00972	53.9	0.0687	69.2	0.00125	0.000886	0.00000548	0.00778	0.00362	0.115	0.021	0.00000762	25.6	0.0000334	0.000663
2060 Apr	205	0.265	0.432	0.00972	53.9	0.0687	69.2	0.00125	0.000886	0.00000548	0.00779	0.00362	0.115	0.021	0.00000762	25.6	0.0000334	0.000663
2060 May	205	0.265	0.432	0.00972	53.9	0.0688	69.7	0.00126	0.000886	0.00000548	0.00781	0.00365	0.116	0.0211	0.00000764	25.7	0.0000335	0.000668
2060 Jun	207	0.265	0.43	0.00968	53.6	0.069	71.2	0.00128	0.000883	0.00000548	0.00788	0.00376	0.119	0.0215	0.00000769	26.2	0.000034	0.000686
2060 Jul	208	0.266	0.431	0.0097	53.7	0.0692	71.5	0.00129	0.000885	0.0000055	0.00791	0.00378	0.119	0.0216	0.00000771	26.3	0.0000341	0.00069
2060 Aug	208	0.266	0.432	0.00971	53.8	0.0693	71.7	0.00129	0.000886	0.0000055	0.00792	0.00379	0.119	0.0216	0.00000773	26.4	0.0000342	0.000692
2060 Sep	209	0.265	0.431	0.00969	53.6	0.0694	72.4	0.0013	0.000885	0.0000055	0.00795	0.00384	0.121	0.0218	0.00000775	26.6	0.0000344	0.000701
2060 Oct	210	0.265	0.43	0.00968	53.6	0.0695	72.8	0.0013	0.000884	0.0000055	0.00797	0.00387	0.121	0.0219	0.00000777	26.7	0.0000345	0.000706
2060 Nov	210	0.265	0.43	0.00968	53.6	0.0695	73	0.00131	0.000884	0.0000055	0.00798	0.00388	0.122	0.0219	0.00000777	26.7	0.0000346	0.000708
2060 Dec	210	0.265	0.43	0.00968	53.6	0.0695	73	0.00131	0.000884	0.0000055	0.00798	0.00388	0.122	0.0219	0.00000777	26.7	0.0000346	0.000708
2061 Jan	210	0.265	0.43	0.00968	53.6	0.0695	73	0.00131	0.000884	0.0000055	0.00798	0.00388	0.122	0.0219	0.00000777	26.7	0.0000346	0.000708
2061 Feb	210	0.265	0.43	0.00968	53.6	0.0695	73	0.00131	0.000884	0.0000055	0.00798	0.00388	0.122	0.0219	0.00000777	26.7	0.0000346	0.000708
2061 Mar	210	0.265	0.43	0.00968	53.6	0.0695	73	0.00131	0.000884	0.0000055	0.00798	0.00388	0.122	0.0219	0.00000777	26.7	0.0000346	0.000708
2061 Apr	210	0.265	0.43	0.00968	53.6	0.0695	73	0.00131	0.000884	0.0000055	0.00798	0.00388	0.122	0.0219	0.00000777	26.7	0.0000346	0.000708
2061 May	211	0.265	0.43	0.00967	53.5	0.0696	73.5	0.00131	0.000884	0.00000551	0.008	0.00391	0.122	0.022	0.0000078	26.9	0.0000347	0.000714
2061 Jun	213	0.264	0.427	0.0096	53.1	0.0697	75.3	0.00134	0.00088	0.0000055	0.00808	0.00404	0.126	0.0225	0.00000785	27.4	0.0000353	0.000736
2061 Jul	214	0.265	0.428	0.00962	53.2	0.0699	75.7	0.00135	0.000882	0.00000551	0.00811	0.00406	0.126	0.0225	0.00000788	27.5	0.0000354	0.00074
2061 Aug	214	0.265	0.429	0.00964	53.3	0.07	75.8	0.00135	0.000883	0.00000552	0.00813	0.00407	0.126	0.0226	0.00000789	27.6	0.0000355	0.000742
2061 Sep	214	0.265	0.429	0.00965	53.4	0.0701	75.9	0.00135	0.000884	0.00000553	0.00813	0.00407	0.126	0.0226	0.0000079	27.6	0.0000355	0.000742
2061 Oct	215	0.265	0.428	0.00962	53.2	0.0701	76.3	0.00135	0.000882	0.00000552	0.00814	0.0041	0.127	0.0227	0.00000791	27.7	0.0000356	0.000747
2061 Nov	215	0.265	0.427	0.00962	53.2	0.0701	76.6	0.00136	0.000881	0.00000552	0.00816	0.00412	0.128	0.0227	0.00000792	27.8	0.0000357	0.000751
2061 Dec	215	0.265	0.427	0.00962	53.2	0.0701	76.6	0.00136	0.000881	0.00000552	0.00816	0.00412	0.128	0.0227	0.00000792	27.8	0.0000357	0.000751
2062 Jan	215	0.265	0.427	0.00962	53.2	0.0701	76.6	0.00136	0.000881	0.00000552	0.00816	0.00412	0.128	0.0227	0.00000792	27.8	0.0000357	0.000751

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2062 Feb	215	0.265	0.427	0.00962	53.2	0.0701	76.6	0.00136	0.000881	0.00000552	0.00816	0.00412	0.128	0.0227	0.00000792	27.8	0.0000357	0.000751
2062 Mar	215	0.265	0.427	0.00962	53.2	0.0701	76.6	0.00136	0.000882	0.00000552	0.00816	0.00412	0.128	0.0227	0.00000792	27.8	0.0000357	0.000751
2062 Apr	215	0.265	0.427	0.00962	53.2	0.0701	76.6	0.00136	0.000882	0.00000552	0.00816	0.00412	0.128	0.0228	0.00000792	27.8	0.0000357	0.000751
2062 May	215	0.265	0.428	0.00962	53.2	0.0702	76.6	0.00136	0.000882	0.00000553	0.00816	0.00413	0.128	0.0228	0.00000792	27.8	0.0000358	0.000751
2062 Jun	216	0.264	0.426	0.00958	53	0.0702	77.7	0.00137	0.00088	0.00000552	0.00821	0.0042	0.13	0.023	0.00000796	28.1	0.0000361	0.000765
2062 Jul	218	0.264	0.425	0.00956	52.8	0.0703	78.6	0.00139	0.000879	0.00000553	0.00826	0.00426	0.131	0.0232	0.00000799	28.4	0.0000364	0.000775
2062 Aug	218	0.264	0.425	0.00956	52.8	0.0704	78.9	0.00139	0.000879	0.00000553	0.00828	0.00429	0.132	0.0233	0.00000801	28.5	0.0000365	0.000779
2062 Sep	219	0.263	0.424	0.00954	52.7	0.0705	79.6	0.0014	0.000878	0.00000553	0.00831	0.00433	0.133	0.0234	0.00000803	28.7	0.0000367	0.000788
2062 Oct	220	0.262	0.421	0.00948	52.4	0.0704	80.9	0.00142	0.000874	0.00000552	0.00836	0.00442	0.135	0.0237	0.00000807	29	0.0000371	0.000803
2062 Nov	220	0.262	0.421	0.00947	52.4	0.0704	80.9	0.00142	0.000874	0.00000552	0.00836	0.00442	0.135	0.0237	0.00000807	29	0.0000371	0.000804
2062 Dec	220	0.262	0.421	0.00947	52.4	0.0704	80.9	0.00142	0.000874	0.00000552	0.00836	0.00442	0.135	0.0237	0.00000807	29	0.0000371	0.000804
2063 Jan	220	0.262	0.421	0.00947	52.4	0.0704	80.9	0.00142	0.000874	0.00000552	0.00836	0.00442	0.135	0.0237	0.00000807	29	0.0000371	0.000804
2063 Feb	220	0.262	0.421	0.00947	52.4	0.0704	80.9	0.00142	0.000874	0.00000552	0.00836	0.00442	0.135	0.0237	0.00000807	29	0.0000371	0.000804
2063 Mar	220	0.262	0.421	0.00947	52.4	0.0704	80.9	0.00142	0.000874	0.00000552	0.00836	0.00442	0.135	0.0237	0.00000807	29	0.0000371	0.000804
2063 Apr	220	0.262	0.421	0.00948	52.4	0.0704	80.9	0.00142	0.000874	0.00000552	0.00836	0.00442	0.135	0.0237	0.00000807	29	0.0000371	0.000804
2063 May	221	0.262	0.421	0.00947	52.4	0.0705	81.1	0.00142	0.000874	0.00000552	0.00837	0.00444	0.135	0.0238	0.00000808	29.1	0.0000372	0.000806
2063 Jun	222	0.26	0.415	0.00936	51.7	0.0702	82.7	0.00144	0.000868	0.0000055	0.00844	0.00456	0.138	0.0242	0.00000811	29.6	0.0000376	0.000827
2063 Jul	223	0.259	0.414	0.00934	51.6	0.0702	83.1	0.00145	0.000867	0.0000055	0.00846	0.00459	0.139	0.0243	0.00000812	29.7	0.0000378	0.000832
2063 Aug	223	0.26	0.415	0.00935	51.7	0.0704	83.4	0.00145	0.000869	0.00000551	0.00848	0.0046	0.139	0.0243	0.00000814	29.8	0.0000379	0.000835
2063 Sep	224	0.26	0.415	0.00935	51.7	0.0704	83.7	0.00146	0.000869	0.00000551	0.00849	0.00462	0.14	0.0244	0.00000816	29.9	0.000038	0.000839
2063 Oct	224	0.259	0.414	0.00933	51.6	0.0704	84	0.00146	0.000868	0.00000551	0.0085	0.00464	0.14	0.0245	0.00000817	29.9	0.0000381	0.000842
2063 Nov	224	0.259	0.414	0.00933	51.6	0.0704	84.1	0.00146	0.000868	0.00000551	0.00851	0.00465	0.14	0.0245	0.00000817	29.9	0.0000381	0.000843
2063 Dec	224	0.259	0.414	0.00933	51.6	0.0704	84.1	0.00146	0.000868	0.00000551	0.00851	0.00465	0.14	0.0245	0.00000817	30	0.0000381	0.000843
2064 Jan	224	0.259	0.414	0.00933	51.6	0.0704	84.1	0.00146	0.000868	0.00000551	0.00851	0.00465	0.14	0.0245	0.00000817	30	0.0000381	0.000843
2064 Feb	224	0.259	0.414	0.00933	51.6	0.0704	84.1	0.00146	0.000868	0.00000551	0.00851	0.00465	0.14	0.0245	0.00000817	30	0.0000381	0.000843
2064 Mar	224	0.259	0.414	0.00933	51.6	0.0704	84.1	0.00146	0.000868	0.00000551	0.00851	0.00465	0.14	0.0245	0.00000817	30	0.0000381	0.000843
2064 Apr	224	0.259	0.414	0.00933	51.6	0.0705	84.1	0.00146	0.000868	0.00000551	0.00851	0.00465	0.14	0.0245	0.00000817	30	0.0000381	0.000843
2064 May	225	0.259	0.413	0.00932	51.5	0.0705	84.4	0.00147	0.000867	0.00000551	0.00852	0.00467	0.141	0.0246	0.00000818	30	0.0000382	0.000847
2064 Jun	226	0.257	0.409	0.00923	51.1	0.0703	85.6	0.00148	0.000862	0.0000055	0.00857	0.00476	0.143	0.0248	0.00000821	30.4	0.0000385	0.000862
2064 Jul	226	0.257	0.41	0.00924	51.1	0.0704	85.7	0.00149	0.000864	0.0000055	0.00858	0.00477	0.143	0.0249	0.00000822	30.5	0.0000386	0.000864
2064 Aug	226	0.257	0.41	0.00924	51.1	0.0704	86	0.00149	0.000864	0.00000551	0.0086	0.00479	0.144	0.025	0.00000823	30.5	0.0000387	0.000868
2064 Sep	227	0.257	0.408	0.00921	51	0.0704	86.6	0.0015	0.000863	0.00000551	0.00862	0.00483	0.145	0.0251	0.00000825	30.7	0.0000388	0.000874
2064 Oct	227	0.257	0.408	0.00921	51	0.0705	86.7	0.0015	0.000862	0.00000551	0.00863	0.00484	0.145	0.0251	0.00000826	30.7	0.0000389	0.000877
2064 Nov	227	0.257	0.408	0.00921	51	0.0705	86.8	0.0015	0.000863	0.00000551	0.00863	0.00484	0.145	0.0251	0.00000826	30.8	0.0000389	0.000877
2064 Dec	227	0.257	0.408	0.00921	51	0.0705	86.8	0.0015	0.000863	0.00000551	0.00863	0.00484	0.145	0.0251	0.00000826	30.8	0.0000389	0.000877
2065 Jan	227	0.257	0.408	0.00921	51	0.0705	86.8	0.0015	0.000863	0.00000551	0.00863	0.00484	0.145	0.0251	0.00000826	30.8	0.0000389	0.000877
2065 Feb	227	0.257	0.408	0.00921	51	0.0705	86.8	0.0015	0.000863	0.00000551	0.00863	0.00484	0.145	0.0251	0.00000826	30.8	0.0000389	0.000877
2065 Mar	227	0.257	0.408	0.00921	51	0.0705	86.8	0.0015	0.000863	0.00000551	0.00863	0.00484	0.145	0.0251	0.00000826	30.8	0.0000389	0.000877
2065 Apr	227	0.257	0.408	0.00921	51	0.0705	86.8	0.0015	0.000863	0.00000551	0.00864	0.00484	0.145	0.0251	0.00000826	30.8	0.0000389	0.000877
2065 May	228	0.257	0.408	0.00921	51	0.0705	87	0.0015	0.000863	0.00000551	0.00865	0.00485	0.145	0.0252	0.00000827	30.8	0.000039	0.000879
2065 Jun	229	0.255	0.405	0.00914	50.7	0.0704	87.9	0.00152	0.000859	0.0000055	0.00868	0.00492	0.147	0.0254	0.00000829	31.1	0.0000393	0.000891
2065 Jul	229	0.256	0.405	0.00915	50.7	0.0705	88.3	0.00152	0.000861	0.00000551	0.00871	0.00495	0.148	0.0255	0.00000832	31.2	0.0000394	0.000896
2065 Aug	230	0.256	0.406	0.00917	50.8	0.0707	88.5	0.00153	0.000863	0.00000552	0.00873	0.00496	0.148	0.0256	0.00000833	31.3	0.0000395	0.000897
2065 Sep	230	0.256	0.405	0.00915	50.7	0.0706	88.7	0.00153	0.000861	0.00000552	0.00874	0.00497	0.148	0.0256	0.00000834	31.3	0.0000396	0.000901
2065 Oct	231	0.254	0.402	0.00909	50.4	0.0705	89.6	0.00154	0.000858	0.00000551	0.00877	0.00504	0.15	0.0258	0.00000836	31.6	0.0000398	0.000912
2065 Nov	231	0.254	0.402	0.00908	50.4	0.0705	89.8	0.00154	0.000858	0.00000551	0.00878	0.00505	0.15	0.0259	0.00000837	31.6	0.0000399	0.000914
2065 Dec	231	0.254	0.402	0.00908	50.4	0.0705	89.8	0.00154	0.000858	0.00000551	0.00878	0.00505	0.15	0.0259	0.00000837	31.6	0.0000399	0.000914
2066 Jan	231	0.254	0.402	0.00908	50.4	0.0705	89.8	0.00154	0.000858	0.00000551	0.00878	0.00505	0.15	0.0259	0.00000837	31.6	0.0000399	0.000914
2066 Feb	231	0.254	0.402	0.00908	50.4	0.0705	89.8	0.00154	0.000858	0.00000551	0.00878	0.00505	0.15	0.0259	0.00000837	31.6	0.0000399	0.000914
2066 Mar	231	0.254	0.402	0.00908	50.4	0.0705	89.8	0.00154	0.000858	0.00000551	0.00878	0.00505	0.15	0.0259	0.00000837	31.6	0.0000399	0.000914
2066 Apr	231	0.254	0.402	0.00908	50.4	0.0705	89.8	0.00154	0.000858	0.00000551	0.00878	0.00505	0.15	0.0259	0.00000837	31.6	0.0000399	0.000914
2066 May	231	0.254	0.402	0.00909	50.5	0.0706	89.8	0.00154	0.000858	0.00000551	0.00878	0.00505	0.15	0.0259	0.00000837	31.7	0.0000399	0.000915
2066 Jun	232	0.252	0.399	0.00901	50.1	0.0703	90.8	0.00156	0.000854	0.0000055	0.00882	0.00513	0.152	0.0261	0.00000839	31.9	0.0000402	0.000928
2066 Jul	233	0.253	0.399	0.00901	50.1	0.0705	91.3	0.00156	0.000856	0.00000551	0.00886	0.00516	0.153	0.0262	0.00000842	32.1	0.0000404	0.000933
2066 Aug	234	0.253	0.4	0.00903	50.2	0.0706	91.5	0.00157	0.000857	0.00000552	0.00887	0.00517	0.153	0.0263	0.00000844	32.2	0.0000404	0.000935
2066 Sep	234	0.253	0.4	0.00903	50.2	0.0706	91.5	0.00157	0.000858	0.00000552	0.00888	0.00517	0.153	0.0263	0.00000844	32.2	0.0000405	0.000935
2066 Oct	234	0.253	0.399	0.00902	50.2	0.0706	91.6	0.00157	0.000857	0.00000552	0.00888	0.00518	0.153	0.0263	0.00000844	32.2	0.0000405	0.000937
2066 Nov	234	0.253	0.399	0.00901	50.1	0.0706	91.8	0.00157	0.000856	0.00000552	0.00888	0.00519	0.154	0.0263	0.00000845	32.2	0.0000405	0.000938
2066 Dec	234	0.253	0.399	0.00901	50.1	0.0706	91.8	0.00157	0.000856	0.00000552	0.00888	0.00519	0.154	0.0263	0.00000845	32.2	0.0000405	0.000938
2067 Jan	234	0.253	0.399	0.00901	50.1	0.0706	91.8	0.00157	0.000856	0.00000552	0.00888	0.00519	0.154	0.0263	0.00000845	32.2	0.0000405	0.000938
2067 Feb	234	0.253	0.399	0.00901	50.1	0.0706	91.8	0.00157	0.000856	0.00000552	0.00888	0.00519	0.154	0.0263	0.00000845	32.2	0.0000405	0.000938
2067 Mar	234	0.253	0.399	0.00901	50.1	0.0706	91.8	0.00157	0.000857	0.00000552	0.00888	0.00519	0.154	0.0264	0.00000845	32.2	0.0000405	0.000938
2067 Apr	234	0.253	0.399	0.00902	50.1	0.0706	91.8	0.00157	0.000857	0.00000552	0.00889	0.00519	0.154	0.0264	0.00000845	32.2	0.0000405	0.000939
2067 May	234	0.253	0.399	0.00902	50.2	0.0707	91.9	0.00157	0.000857	0.00000552	0.00889	0.00519	0.154	0.0264	0.00000846	32.3	0.0000406	0.00094
2067 Jun	235	0.252	0.397	0.00896	49.9	0.0706	92.8	0.00158	0.000855	0.00000552	0.00893	0.00526	0.155	0.0266	0.00000848	32.5	0.0000408	0.000951
2067 Jul	236	0.252	0.397	0.00898	50	0.0708	93.1	0.00159	0.000857	0.00000553	0.00896	0.00527	0.156	0.0267	0.00000851	32.6	0.0000409	0.000954
2067 Aug	236	0.252	0.398	0.009	50.1	0.0708	93.2	0.00159	0.000858	0.00000554	0.00897	0.00528	0.156	0.0267	0.00000852	32.7	0.000041	0.000955
2067 Sep	236	0.253	0.398	0.009	50.1	0.0709	93.2	0.00159	0.000858	0.00000554	0.00897	0.00529	0.156	0.0267	0.00000852	32.7	0.000041	0.000956
2067 Oct	237	0.252	0.397	0.00897	50	0.0708	93.8	0.0016	0.000857	0.00000554	0.00899	0.00532	0.157	0.0268	0.00000854	32.8	0.0000412	0.000962
2067 Nov	237	0.252	0.396	0.00896	50	0.0709	93.9	0.0016	0.000856	0.00000554	0.009	0.00533	0.157	0.0269	0.00000854	32.9	0.0000412	0.000964
2067 Dec	237	0.252	0.396	0.00896	50	0.0709	93.9	0.0016	0.000856	0.00000554	0.009	0.00533	0.157	0.0269	0.00000854	32.9	0.0000412	0.000964
2068 Jan	237	0.252	0.396	0.00896	50	0.0709	93.9	0.0016	0.000856	0.00000554	0.009	0.00533	0.157	0.0269	0.00000854	32.9	0.0000412	0.000964

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2068 Feb	237	0.252	0.396	0.00896	50	0.0709	93.9	0.0016	0.000856	0.00000554	0.009	0.00533	0.157	0.0269	0.00000854	32.9	0.0000412	0.000964
2068 Mar	237	0.252	0.396	0.00896	50	0.0709	93.9	0.0016	0.000856	0.00000554	0.009	0.00533	0.157	0.0269	0.00000854	32.9	0.0000412	0.000964
2068 Apr	237	0.252	0.396	0.00897	50	0.0709	94	0.0016	0.000857	0.00000554	0.009	0.00534	0.157	0.0269	0.00000855	32.9	0.0000412	0.000964
2068 May	237	0.252	0.396	0.00896	50	0.0709	94.2	0.00161	0.000857	0.00000554	0.00901	0.00535	0.158	0.0269	0.00000856	33	0.0000413	0.000967
2068 Jun	239	0.249	0.391	0.00884	49.4	0.0706	95.7	0.00163	0.000851	0.00000553	0.00907	0.00546	0.16	0.0273	0.00000859	33.4	0.0000417	0.000986
2068 Jul	240	0.249	0.391	0.00884	49.5	0.0707	96.1	0.00164	0.000852	0.00000553	0.00909	0.00549	0.161	0.0274	0.00000861	33.5	0.0000418	0.00099
2068 Aug	240	0.25	0.392	0.00886	49.6	0.0709	96.3	0.00164	0.000854	0.00000555	0.00911	0.0055	0.161	0.0274	0.00000863	33.6	0.000042	0.000992
2068 Sep	240	0.25	0.392	0.00886	49.6	0.0709	96.4	0.00164	0.000854	0.00000555	0.00912	0.00551	0.161	0.0274	0.00000863	33.6	0.000042	0.000993
2068 Oct	240	0.249	0.391	0.00886	49.5	0.0709	96.5	0.00164	0.000854	0.00000555	0.00912	0.00552	0.161	0.0275	0.00000864	33.7	0.000042	0.000995
2068 Nov	240	0.249	0.391	0.00886	49.6	0.0709	96.6	0.00164	0.000854	0.00000555	0.00913	0.00552	0.161	0.0275	0.00000864	33.7	0.000042	0.000995
2068 Dec	240	0.249	0.391	0.00886	49.6	0.0709	96.6	0.00164	0.000854	0.00000555	0.00913	0.00552	0.161	0.0275	0.00000864	33.7	0.000042	0.000995
2069 Jan	240	0.249	0.391	0.00886	49.6	0.0709	96.6	0.00164	0.000854	0.00000555	0.00913	0.00552	0.161	0.0275	0.00000864	33.7	0.000042	0.000995
2069 Feb	240	0.25	0.391	0.00886	49.6	0.0709	96.6	0.00164	0.000854	0.00000555	0.00913	0.00552	0.161	0.0275	0.00000864	33.7	0.000042	0.000995
2069 Mar	240	0.25	0.391	0.00886	49.6	0.0709	96.6	0.00164	0.000854	0.00000555	0.00913	0.00552	0.161	0.0275	0.00000864	33.7	0.000042	0.000995
2069 Apr	240	0.25	0.391	0.00886	49.6	0.0709	96.6	0.00164	0.000854	0.00000555	0.00913	0.00552	0.162	0.0275	0.00000864	33.7	0.000042	0.000995
2069 May	241	0.25	0.392	0.00887	49.6	0.071	96.6	0.00164	0.000855	0.00000555	0.00913	0.00552	0.162	0.0275	0.00000865	33.7	0.0000421	0.000996
2069 Jun	242	0.248	0.389	0.00881	49.3	0.0709	97.6	0.00166	0.000852	0.00000555	0.00917	0.00559	0.163	0.0277	0.00000868	34	0.0000423	0.00101
2069 Jul	243	0.248	0.389	0.00881	49.4	0.071	98.1	0.00167	0.000853	0.00000556	0.0092	0.00562	0.164	0.0278	0.0000087	34.1	0.0000425	0.00101
2069 Aug	243	0.249	0.39	0.00882	49.4	0.0711	98.2	0.00167	0.000855	0.00000557	0.00922	0.00563	0.164	0.0279	0.00000872	34.2	0.0000426	0.00101
2069 Sep	243	0.248	0.388	0.00879	49.3	0.071	98.7	0.00168	0.000853	0.00000556	0.00923	0.00566	0.165	0.028	0.00000873	34.3	0.0000427	0.00102
2069 Oct	244	0.247	0.386	0.00874	49.1	0.0709	99.5	0.00169	0.00085	0.00000556	0.00926	0.00572	0.166	0.0281	0.00000875	34.5	0.0000429	0.00103
2069 Nov	244	0.247	0.386	0.00874	49.1	0.0709	99.7	0.00169	0.00085	0.00000556	0.00927	0.00573	0.167	0.0282	0.00000876	34.6	0.000043	0.00103
2069 Dec	244	0.247	0.386	0.00874	49.1	0.0709	99.7	0.00169	0.00085	0.00000556	0.00927	0.00573	0.167	0.0282	0.00000876	34.6	0.000043	0.00103
2070 Jan	244	0.247	0.386	0.00874	49.1	0.0709	99.7	0.00169	0.00085	0.00000556	0.00927	0.00573	0.167	0.0282	0.00000876	34.6	0.000043	0.00103
2070 Feb	244	0.247	0.386	0.00874	49.1	0.0709	99.7	0.00169	0.00085	0.00000556	0.00927	0.00573	0.167	0.0282	0.00000876	34.6	0.000043	0.00103
2070 Mar	244	0.247	0.386	0.00874	49.1	0.0709	99.7	0.00169	0.00085	0.00000556	0.00927	0.00573	0.167	0.0282	0.00000876	34.6	0.000043	0.00103
2070 Apr	245	0.247	0.386	0.00874	49.1	0.071	99.7	0.00169	0.00085	0.00000556	0.00927	0.00573	0.167	0.0282	0.00000876	34.6	0.000043	0.00103
2070 May	245	0.247	0.386	0.00874	49.1	0.071	99.8	0.00169	0.000851	0.00000556	0.00928	0.00574	0.167	0.0282	0.00000877	34.6	0.000043	0.00103
2070 Jun	245	0.246	0.383	0.00869	48.8	0.0708	100	0.00171	0.000849	0.00000556	0.00931	0.00579	0.168	0.0284	0.00000878	34.8	0.0000432	0.00104
2070 Jul	246	0.246	0.384	0.0087	48.9	0.071	101	0.00171	0.00085	0.00000557	0.00933	0.00581	0.168	0.0284	0.0000088	34.9	0.0000433	0.00104
2070 Aug	246	0.246	0.384	0.00872	49	0.0711	101	0.00171	0.000852	0.00000558	0.00934	0.00582	0.168	0.0285	0.00000882	35	0.0000434	0.00105
2070 Sep	247	0.246	0.383	0.00869	48.9	0.071	101	0.00172	0.00085	0.00000558	0.00936	0.00585	0.169	0.0286	0.00000883	35.1	0.0000435	0.00105
2070 Oct	247	0.245	0.382	0.00866	48.8	0.071	102	0.00173	0.000849	0.00000557	0.00938	0.00588	0.17	0.0287	0.00000884	35.2	0.0000436	0.00106
2070 Nov	247	0.245	0.382	0.00866	48.7	0.071	102	0.00173	0.000849	0.00000557	0.00938	0.00588	0.17	0.0287	0.00000884	35.3	0.0000436	0.00106
2070 Dec	247	0.245	0.382	0.00866	48.7	0.071	102	0.00173	0.000849	0.00000557	0.00938	0.00588	0.17	0.0287	0.00000884	35.3	0.0000436	0.00106
2071 Jan	247	0.245	0.382	0.00866	48.7	0.071	102	0.00173	0.000849	0.00000557	0.00938	0.00588	0.17	0.0287	0.00000884	35.3	0.0000436	0.00106
2071 Feb	247	0.245	0.382	0.00866	48.7	0.071	102	0.00173	0.000849	0.00000557	0.00938	0.00588	0.17	0.0287	0.00000884	35.3	0.0000436	0.00106
2071 Mar	247	0.245	0.382	0.00866	48.7	0.071	102	0.00173	0.000849	0.00000557	0.00938	0.00588	0.17	0.0287	0.00000884	35.3	0.0000436	0.00106
2071 Apr	247	0.245	0.382	0.00866	48.8	0.071	102	0.00173	0.000849	0.00000557	0.00938	0.00589	0.17	0.0287	0.00000884	35.3	0.0000436	0.00106
2071 May	248	0.245	0.381	0.00865	48.7	0.071	102	0.00173	0.000849	0.00000557	0.00939	0.0059	0.17	0.0287	0.00000885	35.3	0.0000437	0.00106
2071 Jun	249	0.243	0.378	0.00857	48.4	0.0707	103	0.00175	0.000846	0.00000556	0.00942	0.00597	0.172	0.0289	0.00000887	35.6	0.0000439	0.00107
2071 Jul	249	0.243	0.377	0.00857	48.4	0.0708	103	0.00175	0.000846	0.00000557	0.00944	0.00599	0.172	0.029	0.00000889	35.7	0.0000441	0.00107
2071 Aug	250	0.243	0.378	0.00858	48.4	0.0709	103	0.00175	0.000848	0.00000558	0.00946	0.006	0.173	0.0291	0.0000089	35.8	0.0000441	0.00108
2071 Sep	250	0.243	0.377	0.00856	48.4	0.0709	104	0.00176	0.000847	0.00000558	0.00947	0.00602	0.173	0.0291	0.00000891	35.9	0.0000442	0.00108
2071 Oct	250	0.242	0.376	0.00855	48.3	0.0708	104	0.00176	0.000846	0.00000558	0.00948	0.00604	0.174	0.0292	0.00000892	35.9	0.0000443	0.00108
2071 Nov	250	0.242	0.376	0.00854	48.3	0.0708	104	0.00177	0.000846	0.00000558	0.00948	0.00605	0.174	0.0292	0.00000892	36	0.0000443	0.00108
2071 Dec	250	0.242	0.376	0.00854	48.3	0.0708	104	0.00177	0.000846	0.00000558	0.00948	0.00605	0.174	0.0292	0.00000892	36	0.0000443	0.00108
2072 Jan	250	0.242	0.376	0.00854	48.3	0.0708	104	0.00177	0.000846	0.00000558	0.00948	0.00605	0.174	0.0292	0.00000893	36	0.0000443	0.00108
2072 Feb	250	0.242	0.376	0.00854	48.3	0.0708	104	0.00177	0.000846	0.00000558	0.00948	0.00605	0.174	0.0292	0.00000893	36	0.0000443	0.00108
2072 Mar	250	0.242	0.376	0.00854	48.3	0.0708	104	0.00177	0.000846	0.00000558	0.00948	0.00605	0.174	0.0292	0.00000893	36	0.0000443	0.00108
2072 Apr	250	0.242	0.376	0.00854	48.3	0.0708	104	0.00177	0.000846	0.00000558	0.00949	0.00605	0.174	0.0292	0.00000893	36	0.0000443	0.00109
2072 May	251	0.242	0.376	0.00855	48.3	0.0709	104	0.00177	0.000847	0.00000558	0.00949	0.00606	0.174	0.0292	0.00000893	36	0.0000444	0.00109
2072 Jun	251	0.242	0.375	0.00852	48.2	0.0708	105	0.00178	0.000846	0.00000558	0.00951	0.00609	0.174	0.0293	0.00000894	36.1	0.0000445	0.00109
2072 Jul	251	0.242	0.375	0.00852	48.2	0.0709	105	0.00178	0.000846	0.00000559	0.00953	0.00611	0.175	0.0294	0.00000896	36.2	0.0000446	0.00109
2072 Aug	252	0.241	0.374	0.00849	48.1	0.0709	106	0.00179	0.000846	0.00000559	0.00956	0.00615	0.176	0.0295	0.00000898	36.4	0.0000447	0.0011
2072 Sep	253	0.24	0.372	0.00846	47.9	0.0708	106	0.0018	0.000845	0.00000559	0.00958	0.0062	0.177	0.0296	0.000009	36.6	0.0000449	0.00111
2072 Oct	253	0.239	0.371	0.00843	47.8	0.0707	107	0.00181	0.000843	0.00000558	0.00959	0.00622	0.177	0.0297	0.00000901	36.7	0.000045	0.00111
2072 Nov	253	0.239	0.371	0.00842	47.8	0.0707	107	0.00181	0.000843	0.00000558	0.00959	0.00623	0.178	0.0297	0.00000901	36.7	0.000045	0.00111
2072 Dec	253	0.239	0.371	0.00842	47.8	0.0707	107	0.00181	0.000843	0.00000558	0.00959	0.00623	0.178	0.0297	0.00000901	36.7	0.000045	0.00111
2073 Jan	253	0.239	0.371	0.00842	47.8	0.0707	107	0.00181	0.000843	0.00000558	0.00959	0.00623	0.178	0.0297	0.00000901	36.7	0.000045	0.00111
2073 Feb	253	0.239	0.371	0.00842	47.8	0.0707	107	0.00181	0.000843	0.00000558	0.00959	0.00623	0.178	0.0297	0.00000901	36.7	0.000045	0.00111
2073 Mar	254	0.239	0.371	0.00842	47.8	0.0707	107	0.00181	0.000843	0.00000558	0.0096	0.00623	0.178	0.0297	0.00000901	36.7	0.000045	0.00111
2073 Apr	254	0.239	0.371	0.00842	47.8	0.0707	107	0.00181	0.000843	0.00000559	0.0096	0.00623	0.178	0.0297	0.00000902	36.7	0.000045	0.00111
2073 May	254	0.239	0.37	0.00841	47.7	0.0707	107	0.00181	0.000843	0.00000559	0.00961	0.00625	0.178	0.0298	0.00000903	36.8	0.0000451	0.00112
2073 Jun	255	0.238	0.367	0.00835	47.4	0.0705	108	0.00183	0.00084	0.00000558	0.00964	0.00631	0.179	0.0299	0.00000904	37	0.0000453	0.00113
2073 Jul	255	0.238	0.367	0.00835	47.5	0.0706	108	0.00183	0.000841	0.00000559	0.00966	0.00633	0.18	0.03	0.00000906	37.1	0.0000454	0.00113
2073 Aug	256	0.238	0.368	0.00836	47.5	0.0707	108	0.00184	0.000842	0.0000056	0.00967	0.00634	0.18	0.0301	0.00000907	37.2	0.0000455	0.00113
2073 Sep	256	0.238	0.367	0.00835	47.5	0.0707	109	0.00184	0.000842	0.0000056	0.00969	0.00636	0.181	0.0301	0.00000909	37.3	0.0000456	0.00114
2073 Oct	257	0.237	0.366	0.00832	47.3	0.0706	109	0.00185	0.00084	0.00000559	0.0097	0.00639	0.181	0.0302	0.0000091	37.4	0.0000457	0.00114
2073 Nov	257	0.237	0.365	0.00831	47.3	0.0706	109	0.00185	0.00084	0.00000559	0.00971	0.0064	0.181	0.0302	0.0000091	37.4	0.0000457	0.00114
2073 Dec	257	0.237	0.365	0.00831	47.3	0.0706	109	0.00185	0.00084	0.00000559	0.00971	0.0064	0.181	0.0302	0.0000091	37.4	0.0000457	0.00114
2074 Jan	257	0.237	0.365	0.00831	47.3	0.0706	109	0.00185	0.00084	0.00000559	0.00971	0.0064	0.181	0.0302	0.0000091	37.4	0.0000457	0.00114

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2074 Feb	257	0.237	0.365	0.00831	47.3	0.0706	109	0.00185	0.00084	0.00000559	0.00971	0.0064	0.181	0.0302	0.0000091	37.4	0.0000457	0.00114
2074 Mar	257	0.237	0.365	0.00831	47.3	0.0706	109	0.00185	0.00084	0.00000559	0.00971	0.0064	0.181	0.0302	0.0000091	37.4	0.0000457	0.00114
2074 Apr	257	0.237	0.366	0.00831	47.3	0.0706	109	0.00185	0.00084	0.00000559	0.00971	0.0064	0.182	0.0302	0.0000091	37.5	0.0000458	0.00114
2074 May	257	0.236	0.364	0.00829	47.2	0.0706	110	0.00186	0.00084	0.00000559	0.00973	0.00643	0.182	0.0303	0.00000912	37.6	0.0000459	0.00115
2074 Jun	258	0.234	0.36	0.00819	46.8	0.0702	111	0.00187	0.000835	0.00000558	0.00976	0.00651	0.184	0.0306	0.00000914	37.9	0.0000462	0.00116
2074 Jul	259	0.234	0.36	0.0082	46.9	0.0703	111	0.00188	0.000836	0.00000559	0.00979	0.00653	0.184	0.0307	0.00000916	38	0.0000463	0.00116
2074 Aug	259	0.235	0.361	0.00822	47	0.0705	111	0.00188	0.000838	0.0000056	0.00981	0.00654	0.185	0.0307	0.00000918	38.1	0.0000464	0.00117
2074 Sep	260	0.234	0.36	0.0082	46.9	0.0705	111	0.00188	0.000838	0.0000056	0.00982	0.00656	0.185	0.0308	0.00000919	38.2	0.0000465	0.00117
2074 Oct	260	0.234	0.359	0.00818	46.8	0.0704	112	0.00189	0.000836	0.0000056	0.00983	0.00659	0.186	0.0309	0.0000092	38.3	0.0000466	0.00117
2074 Nov	260	0.234	0.359	0.00818	46.8	0.0704	112	0.00189	0.000836	0.0000056	0.00984	0.0066	0.186	0.0309	0.00000921	38.3	0.0000466	0.00118
2074 Dec	260	0.234	0.359	0.00817	46.8	0.0704	112	0.00189	0.000836	0.0000056	0.00984	0.0066	0.186	0.0309	0.00000921	38.3	0.0000466	0.00118
2075 Jan	260	0.234	0.359	0.00817	46.8	0.0704	112	0.00189	0.000836	0.0000056	0.00984	0.0066	0.186	0.0309	0.00000921	38.3	0.0000466	0.00118
2075 Feb	260	0.234	0.359	0.00817	46.8	0.0704	112	0.00189	0.000836	0.0000056	0.00984	0.0066	0.186	0.0309	0.00000921	38.3	0.0000466	0.00118
2075 Mar	260	0.234	0.359	0.00818	46.8	0.0705	112	0.00189	0.000836	0.0000056	0.00984	0.0066	0.186	0.0309	0.00000921	38.3	0.0000466	0.00118
2075 Apr	260	0.234	0.359	0.00818	46.8	0.0705	112	0.00189	0.000836	0.0000056	0.00984	0.00661	0.186	0.0309	0.00000921	38.3	0.0000467	0.00118
2075 May	261	0.234	0.359	0.00818	46.8	0.0705	112	0.0019	0.000837	0.0000056	0.00985	0.00661	0.187	0.0309	0.00000922	38.4	0.0000467	0.00118
2075 Jun	261	0.232	0.356	0.00812	46.6	0.0703	113	0.00191	0.000834	0.0000056	0.00988	0.00667	0.188	0.0311	0.00000924	38.6	0.0000469	0.00119
2075 Jul	262	0.232	0.356	0.0081	46.5	0.0703	114	0.00192	0.000834	0.0000056	0.00991	0.0067	0.189	0.0312	0.00000926	38.7	0.0000471	0.00119
2075 Aug	263	0.232	0.356	0.00811	46.6	0.0704	114	0.00192	0.000835	0.00000561	0.00992	0.00671	0.189	0.0313	0.00000927	38.8	0.0000471	0.0012
2075 Sep	263	0.232	0.356	0.00811	46.6	0.0704	114	0.00192	0.000835	0.00000561	0.00993	0.00672	0.189	0.0313	0.00000928	38.8	0.0000472	0.0012
2075 Oct	263	0.232	0.356	0.0081	46.6	0.0704	114	0.00192	0.000835	0.00000561	0.00993	0.00673	0.189	0.0313	0.00000928	38.9	0.0000472	0.0012
2075 Nov	263	0.232	0.356	0.0081	46.6	0.0704	114	0.00192	0.000835	0.00000561	0.00993	0.00673	0.189	0.0313	0.00000928	38.9	0.0000472	0.0012
2075 Dec	263	0.232	0.356	0.0081	46.6	0.0704	114	0.00192	0.000835	0.00000561	0.00993	0.00673	0.189	0.0313	0.00000928	38.9	0.0000472	0.0012
2076 Jan	263	0.232	0.356	0.0081	46.6	0.0704	114	0.00192	0.000835	0.00000561	0.00993	0.00673	0.189	0.0313	0.00000928	38.9	0.0000472	0.0012
2076 Feb	263	0.232	0.356	0.0081	46.6	0.0704	114	0.00192	0.000835	0.00000561	0.00993	0.00673	0.189	0.0313	0.00000929	38.9	0.0000472	0.0012
2076 Mar	263	0.232	0.356	0.0081	46.6	0.0704	114	0.00192	0.000835	0.00000561	0.00994	0.00673	0.189	0.0313	0.00000929	38.9	0.0000472	0.0012
2076 Apr	263	0.232	0.356	0.00811	46.6	0.0705	114	0.00192	0.000835	0.00000561	0.00994	0.00673	0.189	0.0313	0.00000929	38.9	0.0000472	0.0012
2076 May	263	0.232	0.356	0.0081	46.6	0.0705	114	0.00192	0.000836	0.00000562	0.00995	0.00674	0.19	0.0314	0.0000093	38.9	0.0000473	0.0012
2076 Jun	264	0.23	0.352	0.00802	46.2	0.0702	115	0.00194	0.000832	0.00000561	0.00998	0.00681	0.191	0.0316	0.00000931	39.2	0.0000475	0.00121
2076 Jul	265	0.23	0.352	0.00802	46.2	0.0703	115	0.00195	0.000833	0.00000561	0.01	0.00683	0.192	0.0317	0.00000933	39.3	0.0000476	0.00122
2076 Aug	265	0.23	0.352	0.00803	46.3	0.0704	116	0.00195	0.000834	0.00000562	0.01	0.00685	0.192	0.0317	0.00000935	39.4	0.0000477	0.00122
2076 Sep	265	0.23	0.353	0.00804	46.4	0.0704	116	0.00195	0.000835	0.00000563	0.01	0.00685	0.192	0.0317	0.00000936	39.4	0.0000478	0.00122
2076 Oct	266	0.23	0.352	0.00802	46.3	0.0704	116	0.00195	0.000834	0.00000562	0.01	0.00687	0.192	0.0318	0.00000936	39.5	0.0000478	0.00122
2076 Nov	266	0.23	0.351	0.00801	46.2	0.0704	116	0.00196	0.000833	0.00000562	0.01	0.00688	0.193	0.0318	0.00000936	39.5	0.0000478	0.00122
2076 Dec	266	0.23	0.351	0.00801	46.2	0.0704	116	0.00196	0.000833	0.00000562	0.01	0.00688	0.193	0.0318	0.00000936	39.5	0.0000478	0.00122
2077 Jan	266	0.23	0.351	0.00801	46.2	0.0704	116	0.00196	0.000833	0.00000562	0.01	0.00688	0.193	0.0318	0.00000936	39.5	0.0000478	0.00122
2077 Feb	266	0.23	0.351	0.00801	46.2	0.0704	116	0.00196	0.000833	0.00000562	0.01	0.00688	0.193	0.0318	0.00000936	39.5	0.0000478	0.00122
2077 Mar	266	0.23	0.351	0.00801	46.2	0.0704	116	0.00196	0.000833	0.00000562	0.01	0.00688	0.193	0.0318	0.00000937	39.5	0.0000478	0.00122
2077 Apr	266	0.23	0.352	0.00801	46.2	0.0704	116	0.00196	0.000833	0.00000562	0.01	0.00688	0.193	0.0318	0.00000937	39.5	0.0000479	0.00122
2077 May	266	0.23	0.351	0.00801	46.2	0.0704	116	0.00196	0.000834	0.00000563	0.01	0.00689	0.193	0.0318	0.00000937	39.6	0.0000479	0.00123
2077 Jun	267	0.228	0.348	0.00793	45.9	0.0701	117	0.00197	0.00083	0.00000561	0.0101	0.00695	0.194	0.032	0.00000939	39.8	0.0000481	0.00123
2077 Jul	267	0.228	0.348	0.00795	46	0.0703	117	0.00198	0.000832	0.00000563	0.0101	0.00697	0.195	0.0321	0.00000941	39.9	0.0000482	0.00124
2077 Aug	268	0.228	0.349	0.00796	46.1	0.0704	118	0.00198	0.000834	0.00000564	0.0101	0.00698	0.195	0.0322	0.00000943	40	0.0000483	0.00124
2077 Sep	268	0.227	0.347	0.00792	45.9	0.0703	118	0.00199	0.000832	0.00000563	0.0101	0.00702	0.196	0.0323	0.00000945	40.1	0.0000485	0.00125
2077 Oct	269	0.227	0.347	0.00791	45.9	0.0703	118	0.00199	0.000831	0.00000563	0.0101	0.00704	0.196	0.0323	0.00000945	40.2	0.0000485	0.00125
2077 Nov	269	0.227	0.347	0.00791	45.9	0.0703	118	0.00199	0.000831	0.00000563	0.0101	0.00704	0.196	0.0323	0.00000945	40.2	0.0000485	0.00125
2077 Dec	269	0.227	0.347	0.00791	45.9	0.0703	118	0.00199	0.000831	0.00000563	0.0101	0.00704	0.196	0.0323	0.00000945	40.2	0.0000485	0.00125
2078 Jan	269	0.227	0.347	0.00791	45.9	0.0703	118	0.00199	0.000831	0.00000563	0.0101	0.00704	0.196	0.0323	0.00000945	40.2	0.0000485	0.00125
2078 Feb	269	0.227	0.347	0.00791	45.9	0.0703	118	0.00199	0.000831	0.00000563	0.0101	0.00704	0.196	0.0323	0.00000945	40.2	0.0000485	0.00125
2078 Mar	269	0.227	0.347	0.00791	45.9	0.0703	118	0.00199	0.000831	0.00000563	0.0101	0.00704	0.196	0.0323	0.00000945	40.2	0.0000485	0.00125
2078 Apr	269	0.227	0.347	0.00792	45.9	0.0703	118	0.00199	0.000831	0.00000564	0.0101	0.00704	0.196	0.0323	0.00000946	40.2	0.0000486	0.00125
2078 May	269	0.227	0.346	0.00789	45.8	0.0702	119	0.002	0.000831	0.00000564	0.0102	0.00707	0.197	0.0324	0.00000947	40.3	0.0000487	0.00126
2078 Jun	270	0.225	0.342	0.00782	45.5	0.07	120	0.00201	0.000828	0.00000562	0.0102	0.00712	0.198	0.0326	0.00000948	40.6	0.0000489	0.00126
2078 Jul	271	0.225	0.343	0.00783	45.6	0.0701	120	0.00202	0.00083	0.00000564	0.0102	0.00714	0.199	0.0327	0.00000951	40.7	0.000049	0.00127
2078 Aug	271	0.225	0.343	0.00784	45.6	0.0702	120	0.00202	0.000831	0.00000564	0.0102	0.00715	0.199	0.0327	0.00000952	40.7	0.0000491	0.00127
2078 Sep	271	0.225	0.343	0.00784	45.6	0.0703	120	0.00202	0.000831	0.00000565	0.0102	0.00717	0.199	0.0328	0.00000953	40.8	0.0000491	0.00127
2078 Oct	272	0.225	0.343	0.00782	45.6	0.0702	121	0.00203	0.00083	0.00000565	0.0103	0.00719	0.2	0.0328	0.00000954	40.9	0.0000492	0.00128
2078 Nov	272	0.225	0.343	0.00782	45.6	0.0702	121	0.00203	0.00083	0.00000565	0.0103	0.0072	0.2	0.0329	0.00000955	40.9	0.0000493	0.00128
2078 Dec	272	0.225	0.343	0.00782	45.6	0.0702	121	0.00203	0.00083	0.00000565	0.0103	0.0072	0.2	0.0329	0.00000955	40.9	0.0000493	0.00128
2079 Jan	272	0.225	0.343	0.00782	45.6	0.0702	121	0.00203	0.00083	0.00000565	0.0103	0.0072	0.2	0.0329	0.00000955	40.9	0.0000493	0.00128
2079 Feb	272	0.225	0.343	0.00782	45.6	0.0702	121	0.00203	0.00083	0.00000565	0.0103	0.0072	0.2	0.0329	0.00000955	40.9	0.0000493	0.00128
2079 Mar	272	0.225	0.343	0.00782	45.6	0.0702	121	0.00203	0.00083	0.00000565	0.0103	0.0072	0.2	0.0329	0.00000955	40.9	0.0000493	0.00128
2079 Apr	272	0.225	0.343	0.00782	45.6	0.0703	121	0.00203	0.00083	0.00000565	0.0103	0.0072	0.2	0.0329	0.00000955	40.9	0.0000493	0.00128
2079 May	272	0.225	0.343	0.00783	45.6	0.0703	121	0.00203	0.000831	0.00000565	0.0103	0.0072	0.2	0.0329	0.00000956	41	0.0000493	0.00128
2079 Jun	273	0.223	0.339	0.00775	45.3	0.07	122	0.00204	0.000827	0.00000564	0.0103	0.00727	0.202	0.0331	0.00000957	41.2	0.0000495	0.00129
2079 Jul	273	0.223	0.339	0.00774	45.3	0.07	122	0.00205	0.000827	0.00000565	0.0103	0.00729	0.202	0.0332	0.00000959	41.3	0.0000496	0.00129
2079 Aug	274	0.223	0.339	0.00775	45.3	0.0701	122	0.00205	0.000829	0.00000566	0.0103	0.00731	0.203	0.0332	0.00000961	41.4	0.0000497	0.0013
2079 Sep	275	0.223	0.338	0.00772	45.2	0.0701	123	0.00206	0.000828	0.00000566	0.0104	0.00734	0.204	0.0333	0.00000963	41.5	0.0000499	0.0013
2079 Oct	275	0.222	0.337	0.00771	45.2	0.0701	123	0.00207	0.000827	0.00000565	0.0104	0.00736	0.204	0.0334	0.00000963	41.6	0.00005	0.00131
2079 Nov	275	0.222	0.337	0.0077	45.1	0.07	123	0.00207	0.000827	0.00000565	0.0104	0.00737	0.204	0.0334	0.00000964	41.6	0.00005	0.00131
2079 Dec	275	0.222	0.337	0.00769	45.1	0.07	123	0.00207	0.000826	0.00000565	0.0104	0.00737	0.204	0.0334	0.00000964	41.6	0.00005	0.00131

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2080 Jan	275	0.222	0.337	0.00769	45.1	0.07	123	0.00207	0.000826	0.00000565	0.0104	0.00737	0.204	0.0334	0.00000964	41.7	0.00005	0.00131
2080 Feb	275	0.222	0.337	0.00769	45.1	0.07	123	0.00207	0.000826	0.00000565	0.0104	0.00737	0.204	0.0334	0.00000964	41.7	0.00005	0.00131
2080 Mar	275	0.222	0.337	0.00769	45.1	0.07	123	0.00207	0.000826	0.00000565	0.0104	0.00737	0.204	0.0334	0.00000964	41.7	0.00005	0.00131
2080 Apr	275	0.222	0.337	0.00769	45.1	0.07	123	0.00207	0.000826	0.00000565	0.0104	0.00737	0.204	0.0334	0.00000964	41.7	0.00005	0.00131
2080 May	275	0.222	0.337	0.0077	45.1	0.0701	123	0.00207	0.000827	0.00000566	0.0104	0.00738	0.204	0.0334	0.00000965	41.7	0.0000501	0.00131
2080 Jun	276	0.221	0.335	0.00767	45	0.0699	124	0.00208	0.000826	0.00000565	0.0104	0.0074	0.205	0.0335	0.00000965	41.8	0.0000502	0.00131
2080 Jul	276	0.221	0.334	0.00765	44.9	0.0699	124	0.00208	0.000826	0.00000566	0.0104	0.00744	0.206	0.0336	0.00000967	41.9	0.0000503	0.00132
2080 Aug	277	0.221	0.334	0.00765	44.9	0.07	124	0.00209	0.000826	0.00000566	0.0104	0.00745	0.206	0.0337	0.00000969	42	0.0000504	0.00132
2080 Sep	277	0.22	0.334	0.00763	44.9	0.07	125	0.00209	0.000826	0.00000567	0.0104	0.00748	0.207	0.0338	0.0000097	42.1	0.0000505	0.00133
2080 Oct	278	0.22	0.333	0.00761	44.8	0.0699	125	0.0021	0.000825	0.00000566	0.0105	0.0075	0.207	0.0338	0.00000971	42.2	0.0000506	0.00133
2080 Nov	278	0.219	0.332	0.0076	44.7	0.0699	125	0.0021	0.000825	0.00000566	0.0105	0.00751	0.207	0.0338	0.00000972	42.2	0.0000506	0.00133
2080 Dec	278	0.219	0.332	0.0076	44.7	0.0699	125	0.0021	0.000825	0.00000566	0.0105	0.00751	0.207	0.0338	0.00000972	42.2	0.0000506	0.00133
2081 Jan	278	0.219	0.332	0.0076	44.7	0.0699	125	0.0021	0.000825	0.00000566	0.0105	0.00751	0.207	0.0338	0.00000972	42.2	0.0000506	0.00133
2081 Feb	278	0.219	0.332	0.0076	44.7	0.0699	125	0.0021	0.000825	0.00000566	0.0105	0.00751	0.207	0.0338	0.00000972	42.2	0.0000506	0.00133
2081 Mar	278	0.219	0.332	0.0076	44.7	0.0699	125	0.0021	0.000825	0.00000566	0.0105	0.00751	0.207	0.0338	0.00000972	42.2	0.0000506	0.00133
2081 Apr	278	0.219	0.332	0.0076	44.8	0.0699	125	0.0021	0.000825	0.00000566	0.0105	0.00751	0.208	0.0338	0.00000972	42.2	0.0000506	0.00133
2081 May	278	0.219	0.332	0.00759	44.7	0.0699	126	0.00211	0.000825	0.00000567	0.0105	0.00753	0.208	0.0339	0.00000973	42.3	0.0000507	0.00133
2081 Jun	278	0.218	0.33	0.00754	44.5	0.0697	126	0.00211	0.000823	0.00000566	0.0105	0.00756	0.208	0.034	0.00000973	42.5	0.0000508	0.00134
2081 Jul	279	0.218	0.33	0.00756	44.6	0.0699	126	0.00212	0.000825	0.00000567	0.0105	0.00758	0.209	0.0341	0.00000976	42.6	0.0000509	0.00134
2081 Aug	280	0.219	0.331	0.00758	44.7	0.07	127	0.00212	0.000827	0.00000569	0.0105	0.0076	0.209	0.0342	0.00000978	42.7	0.0000511	0.00135
2081 Sep	280	0.219	0.331	0.00758	44.7	0.07	127	0.00213	0.000827	0.00000569	0.0105	0.0076	0.21	0.0342	0.00000978	42.7	0.0000511	0.00135
2081 Oct	280	0.219	0.331	0.00758	44.7	0.07	127	0.00213	0.000827	0.00000569	0.0105	0.0076	0.21	0.0342	0.00000978	42.7	0.0000511	0.00135
2081 Nov	280	0.219	0.331	0.00757	44.7	0.07	127	0.00212	0.000827	0.00000569	0.0105	0.0076	0.209	0.0342	0.00000978	42.7	0.0000511	0.00135
2081 Dec	280	0.219	0.331	0.00757	44.7	0.07	127	0.00212	0.000827	0.00000569	0.0105	0.0076	0.21	0.0342	0.00000978	42.7	0.0000511	0.00135
2082 Jan	280	0.219	0.331	0.00757	44.7	0.07	127	0.00212	0.000827	0.00000569	0.0105	0.0076	0.21	0.0342	0.00000978	42.7	0.0000511	0.00135
2082 Feb	280	0.219	0.331	0.00757	44.7	0.07	127	0.00212	0.000827	0.00000569	0.0105	0.0076	0.21	0.0342	0.00000978	42.7	0.0000511	0.00135
2082 Mar	280	0.219	0.331	0.00757	44.7	0.07	127	0.00212	0.000827	0.00000569	0.0105	0.0076	0.21	0.0342	0.00000978	42.7	0.0000511	0.00135
2082 Apr	280	0.219	0.331	0.00757	44.7	0.07	127	0.00212	0.000827	0.00000569	0.0105	0.0076	0.21	0.0342	0.00000978	42.7	0.0000511	0.00135
2082 May	280	0.219	0.331	0.00758	44.7	0.0701	127	0.00213	0.000828	0.00000569	0.0105	0.00761	0.21	0.0342	0.00000979	42.7	0.0000511	0.00135
2082 Jun	281	0.217	0.328	0.00751	44.4	0.0699	128	0.00214	0.000825	0.00000569	0.0106	0.00767	0.211	0.0344	0.00000981	43	0.0000513	0.00136
2082 Jul	282	0.216	0.326	0.00747	44.3	0.0698	128	0.00215	0.000824	0.00000569	0.0106	0.00772	0.212	0.0345	0.00000984	43.2	0.0000515	0.00137
2082 Aug	282	0.216	0.327	0.00748	44.4	0.0699	129	0.00216	0.000825	0.0000057	0.0106	0.00774	0.212	0.0346	0.00000985	43.2	0.0000516	0.00137
2082 Sep	282	0.217	0.327	0.00748	44.4	0.0699	129	0.00216	0.000825	0.0000057	0.0106	0.00774	0.213	0.0346	0.00000986	43.3	0.0000517	0.00137
2082 Oct	283	0.216	0.325	0.00745	44.2	0.0698	129	0.00216	0.000824	0.00000569	0.0106	0.00776	0.213	0.0346	0.00000986	43.3	0.0000517	0.00137
2082 Nov	283	0.216	0.325	0.00745	44.2	0.0698	129	0.00216	0.000824	0.00000569	0.0106	0.00776	0.213	0.0346	0.00000987	43.3	0.0000517	0.00137
2082 Dec	283	0.216	0.325	0.00745	44.2	0.0698	129	0.00216	0.000824	0.00000569	0.0106	0.00777	0.213	0.0346	0.00000987	43.3	0.0000517	0.00137
2083 Jan	283	0.216	0.325	0.00745	44.2	0.0698	129	0.00216	0.000824	0.00000569	0.0106	0.00777	0.213	0.0346	0.00000987	43.3	0.0000517	0.00137
2083 Feb	283	0.216	0.325	0.00745	44.2	0.0698	129	0.00216	0.000824	0.00000569	0.0106	0.00777	0.213	0.0346	0.00000987	43.3	0.0000517	0.00137
2083 Mar	283	0.216	0.325	0.00745	44.2	0.0698	129	0.00216	0.000824	0.00000569	0.0106	0.00777	0.213	0.0346	0.00000987	43.3	0.0000517	0.00137
2083 Apr	283	0.216	0.326	0.00745	44.3	0.0698	129	0.00216	0.000824	0.0000057	0.0106	0.00777	0.213	0.0346	0.00000987	43.3	0.0000517	0.00137
2083 May	283	0.216	0.325	0.00745	44.2	0.0699	129	0.00217	0.000824	0.0000057	0.0107	0.00779	0.214	0.0347	0.00000988	43.4	0.0000518	0.00138
2083 Jun	284	0.213	0.321	0.00736	43.9	0.0696	130	0.00218	0.000821	0.00000569	0.0107	0.00784	0.215	0.0348	0.00000989	43.7	0.000052	0.00138
2083 Jul	284	0.213	0.321	0.00736	43.9	0.0696	130	0.00219	0.000822	0.00000569	0.0107	0.00787	0.215	0.0349	0.00000991	43.8	0.0000521	0.00139
2083 Aug	285	0.213	0.321	0.00735	43.9	0.0697	131	0.0022	0.000822	0.0000057	0.0107	0.0079	0.216	0.035	0.00000993	43.9	0.0000523	0.00139
2083 Sep	286	0.213	0.32	0.00733	43.8	0.0697	131	0.0022	0.000821	0.0000057	0.0107	0.00793	0.217	0.0351	0.00000995	44	0.0000524	0.0014
2083 Oct	286	0.212	0.318	0.0073	43.7	0.0695	132	0.00221	0.000819	0.0000057	0.0108	0.00795	0.217	0.0352	0.00000996	44.1	0.0000525	0.0014
2083 Nov	286	0.211	0.318	0.00729	43.6	0.0695	132	0.00221	0.000819	0.00000569	0.0108	0.00796	0.217	0.0352	0.00000996	44.1	0.0000525	0.0014
2083 Dec	286	0.211	0.318	0.00729	43.6	0.0695	132	0.00221	0.000819	0.00000569	0.0108	0.00796	0.217	0.0352	0.00000996	44.1	0.0000525	0.0014
2084 Jan	286	0.211	0.318	0.00729	43.6	0.0695	132	0.00221	0.000819	0.00000569	0.0108	0.00796	0.217	0.0352	0.00000996	44.1	0.0000525	0.0014
2084 Feb	286	0.211	0.318	0.00729	43.6	0.0695	132	0.00221	0.000819	0.00000569	0.0108	0.00796	0.217	0.0352	0.00000996	44.1	0.0000525	0.0014
2084 Mar	286	0.211	0.318	0.00729	43.6	0.0695	132	0.00221	0.000819	0.00000569	0.0108	0.00796	0.217	0.0352	0.00000996	44.1	0.0000525	0.0014
2084 Apr	286	0.212	0.318	0.00729	43.6	0.0695	132	0.00221	0.000819	0.0000057	0.0108	0.00796	0.218	0.0352	0.00000996	44.2	0.0000525	0.0014
2084 May	286	0.211	0.318	0.00728	43.6	0.0695	132	0.00221	0.000819	0.0000057	0.0108	0.00798	0.218	0.0353	0.00000997	44.2	0.0000526	0.00141
2084 Jun	286	0.209	0.314	0.00721	43.3	0.0692	132	0.00222	0.000816	0.00000568	0.0108	0.00801	0.218	0.0353	0.00000997	44.3	0.0000527	0.00141
2084 Jul	287	0.21	0.315	0.00722	43.4	0.0693	133	0.00222	0.000817	0.00000569	0.0108	0.00802	0.219	0.0354	0.00000998	44.4	0.0000528	0.00141
2084 Aug	287	0.21	0.315	0.00722	43.4	0.0694	133	0.00223	0.000818	0.0000057	0.0108	0.00804	0.219	0.0355	0.00001	44.5	0.0000529	0.00142
2084 Sep	288	0.209	0.314	0.00721	43.3	0.0694	133	0.00223	0.000818	0.0000057	0.0108	0.00806	0.22	0.0356	0.00001	44.6	0.000053	0.00142
2084 Oct	288	0.209	0.313	0.00719	43.3	0.0693	133	0.00224	0.000817	0.0000057	0.0108	0.00809	0.22	0.0356	0.00001	44.7	0.000053	0.00143
2084 Nov	288	0.209	0.313	0.00718	43.2	0.0693	134	0.00224	0.000816	0.0000057	0.0108	0.00809	0.22	0.0356	0.00001	44.7	0.0000531	0.00143
2084 Dec	288	0.209	0.313	0.00718	43.2	0.0693	134	0.00224	0.000816	0.0000057	0.0108	0.00809	0.22	0.0356	0.00001	44.7	0.0000531	0.00143
2085 Jan	288	0.209	0.313	0.00718	43.2	0.0693	134	0.00224	0.000816	0.0000057	0.0108	0.00809	0.22	0.0356	0.00001	44.7	0.0000531	0.00143
2085 Feb	288	0.209	0.313	0.00718	43.2	0.0693	134	0.00224	0.000816	0.0000057	0.0108	0.00809	0.221	0.0356	0.00001	44.7	0.0000531	0.00143
2085 Mar	288	0.209	0.313	0.00718	43.2	0.0693	134	0.00224	0.000816	0.0000057	0.0108	0.00809	0.221	0.0356	0.00001	44.7	0.0000531	0.00143
2085 Apr	288	0.209	0.313	0.00718	43.2	0.0693	134	0.00224	0.000816	0.0000057	0.0108	0.00809	0.221	0.0356	0.00001	44.7	0.0000531	0.00143
2085 May	288	0.209	0.313	0.00717	43.2	0.0693	134	0.00224	0.000816	0.0000057	0.0109	0.0081	0.221	0.0357	0.00001	44.8	0.0000531	0.00143
2085 Jun	289	0.208	0.311	0.00714	43.1	0.0692	134	0.00225	0.000816	0.0000057	0.0109	0.00812	0.221	0.0358	0.00001	44.8	0.0000532	0.00143
2085 Jul	289	0.208	0.312	0.00716	43.2	0.0693	134	0.00225	0.000817	0.00000571	0.0109	0.00814	0.222	0.0358	0.0000101	44.9	0.0000533	0.00144
2085 Aug	290	0.208	0.311	0.00714	43.1	0.0693	135	0.00226	0.000817	0.00000571	0.0109	0.00818	0.223	0.0359	0.0000101	45.1	0.0000535	0.00144
2085 Sep	291	0.207	0.31	0.00711	43	0.0692	135	0.00226	0.000815	0.00000571	0.0109	0.00821	0.224	0.0361	0.0000101	45.2	0.0000536	0.00145
2085 Oct	291	0.206	0.309	0.00709	42.9	0.0692	136	0.00227	0.000814	0.00000571	0.0109	0.00823	0.224	0.0361	0.0000101	45.3	0.0000537	0.00145
2085 Nov	291	0.206	0.308	0.00708	42.9	0.0691	136	0.00227	0.000813	0.0000057	0.0109	0.00824	0.224	0.0361	0.0000101	45.3	0.0000537	0.00145
2085 Dec	291	0.206	0.308	0.00708	42.9	0.0691	136	0.00227	0.000813	0.0000057	0.0109	0.00824	0.224	0.0361	0.0000101	45.3	0.0000537	0.00145

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2086 Jan	291	0.206	0.308	0.00708	42.9	0.0691	136	0.00227	0.000813	0.0000057	0.0109	0.00824	0.224	0.0361	0.0000101	45.3	0.0000537	0.00145
2086 Feb	291	0.206	0.308	0.00708	42.9	0.0691	136	0.00227	0.000813	0.0000057	0.0109	0.00824	0.224	0.0361	0.0000101	45.3	0.0000537	0.00145
2086 Mar	291	0.206	0.308	0.00708	42.9	0.0691	136	0.00227	0.000813	0.0000057	0.0109	0.00824	0.224	0.0361	0.0000101	45.3	0.0000537	0.00145
2086 Apr	291	0.206	0.308	0.00708	42.9	0.0691	136	0.00227	0.000814	0.00000571	0.0109	0.00824	0.224	0.0361	0.0000101	45.3	0.0000538	0.00145
2086 May	291	0.206	0.308	0.00708	42.9	0.0692	136	0.00227	0.000814	0.00000571	0.011	0.00825	0.224	0.0362	0.0000101	45.4	0.0000538	0.00145
2086 Jun	291	0.204	0.305	0.00701	42.6	0.0689	136	0.00228	0.000811	0.0000057	0.011	0.00828	0.225	0.0363	0.0000101	45.5	0.0000539	0.00146
2086 Jul	292	0.204	0.305	0.00701	42.6	0.0689	137	0.00228	0.000812	0.0000057	0.011	0.0083	0.226	0.0364	0.0000101	45.6	0.000054	0.00146
2086 Aug	293	0.204	0.305	0.00701	42.7	0.069	137	0.00229	0.000813	0.00000571	0.011	0.00833	0.226	0.0365	0.0000102	45.7	0.0000542	0.00147
2086 Sep	293	0.204	0.304	0.00698	42.5	0.069	138	0.00229	0.000811	0.00000571	0.011	0.00837	0.227	0.0366	0.0000102	45.9	0.0000543	0.00148
2086 Oct	294	0.203	0.304	0.00698	42.5	0.069	138	0.0023	0.000811	0.00000571	0.011	0.00838	0.228	0.0366	0.0000102	45.9	0.0000544	0.00148
2086 Nov	294	0.204	0.304	0.00698	42.5	0.069	138	0.0023	0.000811	0.00000571	0.011	0.00838	0.228	0.0366	0.0000102	45.9	0.0000544	0.00148
2086 Dec	294	0.204	0.304	0.00698	42.5	0.069	138	0.0023	0.000811	0.00000571	0.011	0.00838	0.228	0.0366	0.0000102	45.9	0.0000544	0.00148
2087 Jan	294	0.204	0.304	0.00698	42.5	0.069	138	0.0023	0.000811	0.00000571	0.011	0.00838	0.228	0.0366	0.0000102	45.9	0.0000544	0.00148
2087 Feb	294	0.204	0.304	0.00698	42.5	0.069	138	0.0023	0.000811	0.00000571	0.011	0.00838	0.228	0.0366	0.0000102	45.9	0.0000544	0.00148
2087 Mar	294	0.204	0.304	0.00698	42.5	0.069	138	0.0023	0.000811	0.00000571	0.011	0.00838	0.228	0.0366	0.0000102	45.9	0.0000544	0.00148
2087 Apr	294	0.204	0.304	0.00698	42.5	0.069	138	0.0023	0.000811	0.00000571	0.011	0.00838	0.228	0.0366	0.0000102	45.9	0.0000544	0.00148
2087 May	294	0.203	0.303	0.00697	42.5	0.069	138	0.0023	0.000811	0.00000571	0.011	0.00839	0.228	0.0367	0.0000102	46	0.0000544	0.00148
2087 Jun	294	0.202	0.301	0.00693	42.3	0.0688	138	0.0023	0.00081	0.00000571	0.0111	0.00841	0.229	0.0367	0.0000102	46.1	0.0000545	0.00148
2087 Jul	294	0.203	0.302	0.00694	42.4	0.0689	138	0.0023	0.000811	0.00000571	0.0111	0.00842	0.229	0.0368	0.0000102	46.1	0.0000546	0.00149
2087 Aug	295	0.203	0.302	0.00695	42.5	0.069	139	0.00231	0.000812	0.00000573	0.0111	0.00844	0.229	0.0369	0.0000102	46.2	0.0000547	0.00149
2087 Sep	295	0.203	0.302	0.00695	42.5	0.069	139	0.00231	0.000813	0.00000573	0.0111	0.00846	0.23	0.0369	0.0000102	46.3	0.0000548	0.00149
2087 Oct	296	0.203	0.302	0.00694	42.4	0.069	139	0.00232	0.000812	0.00000573	0.0111	0.00847	0.23	0.037	0.0000103	46.3	0.0000549	0.00149
2087 Nov	296	0.203	0.302	0.00693	42.4	0.069	139	0.00232	0.000812	0.00000573	0.0111	0.00848	0.23	0.037	0.0000103	46.4	0.0000549	0.0015
2087 Dec	296	0.203	0.302	0.00693	42.4	0.069	139	0.00232	0.000812	0.00000573	0.0111	0.00848	0.23	0.037	0.0000103	46.4	0.0000549	0.0015
2088 Jan	296	0.203	0.302	0.00693	42.4	0.069	139	0.00232	0.000812	0.00000573	0.0111	0.00848	0.23	0.037	0.0000103	46.4	0.0000549	0.0015
2088 Feb	296	0.203	0.302	0.00693	42.4	0.069	139	0.00232	0.000812	0.00000573	0.0111	0.00848	0.23	0.037	0.0000103	46.4	0.0000549	0.0015
2088 Mar	296	0.203	0.302	0.00693	42.4	0.069	139	0.00232	0.000812	0.00000573	0.0111	0.00848	0.23	0.037	0.0000103	46.4	0.0000549	0.0015
2088 Apr	296	0.203	0.302	0.00694	42.4	0.0691	139	0.00232	0.000812	0.00000573	0.0111	0.00848	0.23	0.037	0.0000103	46.4	0.0000549	0.0015
2088 May	296	0.203	0.302	0.00694	42.5	0.0691	139	0.00232	0.000813	0.00000574	0.0111	0.00849	0.231	0.037	0.0000103	46.4	0.000055	0.0015
2088 Jun	296	0.202	0.301	0.00692	42.4	0.069	140	0.00232	0.000812	0.00000573	0.0112	0.00851	0.231	0.0371	0.0000103	46.5	0.0000551	0.0015
2088 Jul	297	0.202	0.301	0.00692	42.4	0.0691	140	0.00233	0.000813	0.00000575	0.0112	0.00854	0.232	0.0372	0.0000103	46.6	0.0000552	0.00151
2088 Aug	298	0.203	0.302	0.00694	42.5	0.0693	141	0.00234	0.000816	0.00000576	0.0112	0.00856	0.232	0.0373	0.0000103	46.8	0.0000554	0.00151
2088 Sep	298	0.203	0.302	0.00694	42.6	0.0693	141	0.00234	0.000816	0.00000576	0.0112	0.00856	0.233	0.0373	0.0000103	46.8	0.0000554	0.00151
2088 Oct	298	0.202	0.301	0.00693	42.5	0.0693	141	0.00234	0.000815	0.00000576	0.0112	0.00856	0.233	0.0373	0.0000103	46.8	0.0000554	0.00151
2088 Nov	298	0.202	0.301	0.00692	42.5	0.0693	141	0.00234	0.000815	0.00000576	0.0112	0.00857	0.233	0.0373	0.0000103	46.8	0.0000554	0.00151
2088 Dec	298	0.202	0.301	0.00692	42.5	0.0693	141	0.00234	0.000815	0.00000576	0.0112	0.00857	0.233	0.0373	0.0000103	46.8	0.0000554	0.00151
2089 Jan	298	0.202	0.301	0.00692	42.5	0.0693	141	0.00234	0.000815	0.00000576	0.0112	0.00857	0.233	0.0373	0.0000103	46.8	0.0000554	0.00151
2089 Feb	298	0.202	0.301	0.00692	42.5	0.0693	141	0.00234	0.000815	0.00000576	0.0112	0.00857	0.233	0.0373	0.0000103	46.8	0.0000554	0.00151
2089 Mar	298	0.202	0.301	0.00692	42.5	0.0693	141	0.00234	0.000815	0.00000576	0.0112	0.00857	0.233	0.0373	0.0000103	46.8	0.0000554	0.00151
2089 Apr	298	0.202	0.301	0.00693	42.5	0.0693	141	0.00234	0.000815	0.00000576	0.0112	0.00857	0.233	0.0373	0.0000103	46.8	0.0000554	0.00151
2089 May	298	0.202	0.301	0.00692	42.5	0.0693	141	0.00234	0.000815	0.00000576	0.0112	0.00859	0.233	0.0374	0.0000104	46.9	0.0000555	0.00152
2089 Jun	299	0.201	0.299	0.00689	42.4	0.0692	141	0.00235	0.000814	0.00000576	0.0113	0.00863	0.234	0.0375	0.0000104	47.1	0.0000557	0.00152
2089 Jul	300	0.202	0.3	0.0069	42.4	0.0693	142	0.00236	0.000816	0.00000577	0.0113	0.00864	0.234	0.0376	0.0000104	47.1	0.0000558	0.00153
2089 Aug	300	0.202	0.3	0.0069	42.5	0.0695	142	0.00236	0.000817	0.00000579	0.0113	0.00867	0.235	0.0377	0.0000104	47.3	0.0000559	0.00153
2089 Sep	301	0.202	0.3	0.0069	42.5	0.0695	142	0.00237	0.000817	0.00000579	0.0113	0.00869	0.236	0.0378	0.0000104	47.4	0.000056	0.00153
2089 Oct	302	0.201	0.298	0.00686	42.3	0.0694	143	0.00237	0.000815	0.00000579	0.0113	0.00874	0.237	0.0379	0.0000105	47.5	0.0000562	0.00154
2089 Nov	302	0.201	0.298	0.00686	42.3	0.0694	143	0.00238	0.000815	0.00000579	0.0113	0.00874	0.237	0.0379	0.0000105	47.6	0.0000562	0.00154
2089 Dec	302	0.201	0.298	0.00686	42.3	0.0694	143	0.00238	0.000815	0.00000579	0.0113	0.00874	0.237	0.0379	0.0000105	47.6	0.0000562	0.00154
2090 Jan	302	0.201	0.298	0.00686	42.3	0.0694	143	0.00238	0.000815	0.00000579	0.0113	0.00874	0.237	0.0379	0.0000105	47.6	0.0000563	0.00154
2090 Feb	302	0.201	0.298	0.00686	42.3	0.0694	143	0.00238	0.000815	0.00000579	0.0113	0.00874	0.237	0.0379	0.0000105	47.6	0.0000563	0.00154
2090 Mar	302	0.201	0.298	0.00686	42.3	0.0694	143	0.00238	0.000815	0.00000579	0.0113	0.00874	0.237	0.0379	0.0000105	47.6	0.0000563	0.00154
2090 Apr	302	0.201	0.298	0.00686	42.3	0.0694	143	0.00238	0.000815	0.00000579	0.0114	0.00874	0.237	0.0379	0.0000105	47.6	0.0000563	0.00154
2090 May	302	0.201	0.298	0.00686	42.3	0.0695	143	0.00238	0.000816	0.00000579	0.0114	0.00875	0.237	0.038	0.0000105	47.6	0.0000563	0.00154
2090 Jun	303	0.199	0.295	0.00679	42.1	0.0693	144	0.00239	0.000813	0.00000578	0.0114	0.00882	0.239	0.0382	0.0000105	47.9	0.0000566	0.00156
2090 Jul	304	0.199	0.295	0.00679	42.1	0.0694	145	0.0024	0.000814	0.00000579	0.0114	0.00885	0.24	0.0383	0.0000105	48	0.0000568	0.00156
2090 Aug	305	0.198	0.294	0.00676	42	0.0694	146	0.00241	0.000813	0.0000058	0.0115	0.0089	0.241	0.0385	0.0000106	48.2	0.000057	0.00157
2090 Sep	305	0.197	0.292	0.00673	41.9	0.0693	146	0.00241	0.000811	0.00000579	0.0115	0.00893	0.242	0.0386	0.0000106	48.3	0.0000572	0.00158
2090 Oct	306	0.196	0.29	0.00669	41.7	0.0691	146	0.00241	0.000809	0.00000579	0.0115	0.00896	0.243	0.0387	0.0000106	48.4	0.0000573	0.00158
2090 Nov	306	0.196	0.29	0.00668	41.7	0.0691	147	0.00242	0.000809	0.00000578	0.0115	0.00897	0.243	0.0387	0.0000106	48.5	0.0000573	0.00158
2090 Dec	306	0.196	0.29	0.00668	41.7	0.0691	147	0.00242	0.000809	0.00000578	0.0115	0.00897	0.243	0.0387	0.0000106	48.5	0.0000573	0.00158
2091 Jan	306	0.196	0.29	0.00668	41.7	0.0691	147	0.00242	0.000809	0.00000578	0.0115	0.00897	0.243	0.0387	0.0000106	48.5	0.0000573	0.00158
2091 Feb	306	0.196	0.29	0.00668	41.7	0.0691	147	0.00242	0.000809	0.00000578	0.0115	0.00897	0.243	0.0387	0.0000106	48.5	0.0000573	0.00158
2091 Mar	306	0.196	0.29	0.00668	41.7	0.0691	147	0.00242	0.000809	0.00000579	0.0115	0.00897	0.243	0.0387	0.0000106	48.5	0.0000573	0.00158
2091 Apr	306	0.196	0.29	0.00668	41.7	0.0691	147	0.00242	0.000809	0.00000579	0.0115	0.00897	0.243	0.0387	0.0000106	48.5	0.0000573	0.00158
2091 May	306	0.196	0.29	0.00668	41.7	0.0692	147	0.00242	0.000809	0.00000579	0.0115	0.00898	0.243	0.0387	0.0000106	48.5	0.0000574	0.00159
2091 Jun	306	0.195	0.288	0.00663	41.5	0.069	147	0.00242	0.000808	0.00000578	0.0115	0.009	0.244	0.0388	0.0000106	48.6	0.0000575	0.00159
2091 Jul	307	0.195	0.288	0.00665	41.6	0.0691	147	0.00243	0.00081	0.0000058	0.0116	0.00903	0.244	0.0389	0.0000106	48.7	0.0000576	0.00159
2091 Aug	308	0.195	0.288	0.00664	41.6	0.0692	148	0.00243	0.00081	0.0000058	0.0116	0.00905	0.245	0.039	0.0000106	48.9	0.0000577	0.0016
2091 Sep	308	0.195	0.287	0.00662	41.5	0.0692	148	0.00244	0.000809	0.0000058	0.0116	0.00908	0.246	0.0391	0.0000107	49	0.0000579	0.0016
2091 Oct	309	0.194	0.286	0.0066	41.4	0.0691	149	0.00244	0.000807	0.0000058	0.0116	0.0091	0.246	0.0392	0.0000107	49	0.000058	0.00161
2091 Nov	309	0.194	0.285	0.00658	41.4	0.069	149	0.00244	0.000807	0.00000579	0.0116	0.00911	0.247	0.0392	0.0000107	49.1	0.000058	0.00161
2091 Dec	309	0.194	0.285	0.00658	41.4	0.069	149	0.00244	0.000807	0.00000579	0.0116	0.00911	0.247	0.0392	0.0000107	49.1	0.000058	0.00161

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2092 Jan	309	0.194	0.285	0.00658	41.4	0.069	149	0.00244	0.000807	0.00000579	0.0116	0.00911	0.247	0.0392	0.0000107	49.1	0.000058	0.00161
2092 Feb	309	0.194	0.285	0.00658	41.4	0.069	149	0.00244	0.000807	0.00000579	0.0116	0.00911	0.247	0.0392	0.0000107	49.1	0.000058	0.00161
2092 Mar	309	0.194	0.285	0.00658	41.4	0.069	149	0.00244	0.000807	0.0000058	0.0116	0.00911	0.247	0.0392	0.0000107	49.1	0.000058	0.00161
2092 Apr	309	0.194	0.285	0.00658	41.4	0.0691	149	0.00244	0.000807	0.0000058	0.0116	0.00911	0.247	0.0392	0.0000107	49.1	0.000058	0.00161
2092 May	309	0.194	0.285	0.00658	41.4	0.0691	149	0.00245	0.000807	0.0000058	0.0116	0.00913	0.247	0.0393	0.0000107	49.2	0.0000581	0.00161
2092 Jun	309	0.191	0.281	0.00648	41	0.0686	149	0.00245	0.000802	0.00000578	0.0116	0.00916	0.248	0.0394	0.0000107	49.3	0.0000582	0.00162
2092 Jul	310	0.191	0.28	0.00646	40.9	0.0686	150	0.00245	0.000802	0.00000578	0.0116	0.00918	0.249	0.0395	0.0000107	49.4	0.0000583	0.00162
2092 Aug	310	0.191	0.28	0.00647	41	0.0687	150	0.00246	0.000803	0.00000579	0.0117	0.0092	0.249	0.0396	0.0000107	49.5	0.0000584	0.00163
2092 Sep	310	0.191	0.28	0.00647	41	0.0688	150	0.00246	0.000803	0.00000579	0.0117	0.00922	0.249	0.0396	0.0000107	49.5	0.0000585	0.00163
2092 Oct	311	0.19	0.28	0.00645	41	0.0687	151	0.00246	0.000802	0.00000579	0.0117	0.00924	0.25	0.0397	0.0000107	49.6	0.0000586	0.00163
2092 Nov	311	0.19	0.279	0.00645	40.9	0.0687	151	0.00246	0.000802	0.00000579	0.0117	0.00924	0.25	0.0397	0.0000107	49.6	0.0000586	0.00163
2092 Dec	311	0.19	0.279	0.00645	40.9	0.0687	151	0.00246	0.000802	0.00000579	0.0117	0.00924	0.25	0.0397	0.0000107	49.6	0.0000586	0.00163
2093 Jan	311	0.19	0.279	0.00645	40.9	0.0687	151	0.00246	0.000802	0.00000579	0.0117	0.00924	0.25	0.0397	0.0000107	49.6	0.0000586	0.00163
2093 Feb	311	0.19	0.279	0.00645	40.9	0.0687	151	0.00246	0.000802	0.00000579	0.0117	0.00924	0.25	0.0397	0.0000107	49.6	0.0000586	0.00163
2093 Mar	311	0.19	0.279	0.00645	40.9	0.0688	151	0.00246	0.000802	0.00000579	0.0117	0.00924	0.25	0.0397	0.0000107	49.6	0.0000586	0.00163
2093 Apr	311	0.19	0.279	0.00645	41	0.0688	151	0.00246	0.000802	0.00000579	0.0117	0.00924	0.25	0.0397	0.0000107	49.6	0.0000586	0.00163
2093 May	311	0.19	0.279	0.00645	41	0.0688	151	0.00247	0.000803	0.00000579	0.0117	0.00925	0.25	0.0397	0.0000107	49.7	0.0000587	0.00164
2093 Jun	311	0.189	0.277	0.0064	40.8	0.0686	151	0.00247	0.0008	0.00000578	0.0117	0.00928	0.251	0.0398	0.0000107	49.8	0.0000588	0.00164
2093 Jul	312	0.189	0.277	0.0064	40.8	0.0687	151	0.00247	0.000802	0.00000579	0.0117	0.0093	0.252	0.0399	0.0000108	49.9	0.0000589	0.00164
2093 Aug	312	0.189	0.278	0.00641	40.9	0.0688	152	0.00248	0.000803	0.0000058	0.0118	0.00931	0.252	0.04	0.0000108	49.9	0.000059	0.00165
2093 Sep	313	0.189	0.277	0.00641	40.9	0.0688	152	0.00248	0.000803	0.0000058	0.0118	0.00932	0.252	0.04	0.0000108	50	0.000059	0.00165
2093 Oct	313	0.188	0.276	0.00637	40.7	0.0687	152	0.00248	0.0008	0.00000579	0.0118	0.00936	0.253	0.0401	0.0000108	50.1	0.0000592	0.00166
2093 Nov	313	0.188	0.275	0.00635	40.7	0.0686	152	0.00249	0.000799	0.00000579	0.0118	0.00937	0.253	0.0401	0.0000108	50.1	0.0000592	0.00166
2093 Dec	313	0.188	0.275	0.00635	40.7	0.0686	152	0.00249	0.000799	0.00000579	0.0118	0.00937	0.253	0.0401	0.0000108	50.1	0.0000592	0.00166
2094 Jan	313	0.188	0.275	0.00635	40.7	0.0686	152	0.00249	0.000799	0.00000579	0.0118	0.00937	0.253	0.0401	0.0000108	50.1	0.0000592	0.00166
2094 Feb	313	0.188	0.275	0.00635	40.7	0.0686	152	0.00249	0.000799	0.00000579	0.0118	0.00937	0.253	0.0401	0.0000108	50.1	0.0000592	0.00166
2094 Mar	313	0.188	0.275	0.00635	40.7	0.0687	152	0.00249	0.000799	0.00000579	0.0118	0.00937	0.253	0.0401	0.0000108	50.1	0.0000592	0.00166
2094 Apr	313	0.188	0.275	0.00635	40.7	0.0687	152	0.00249	0.000799	0.00000579	0.0118	0.00937	0.254	0.0401	0.0000108	50.1	0.0000592	0.00166
2094 May	314	0.188	0.274	0.00634	40.6	0.0686	153	0.00249	0.000799	0.00000579	0.0118	0.00938	0.254	0.0402	0.0000108	50.2	0.0000593	0.00166
2094 Jun	314	0.187	0.273	0.00631	40.5	0.0686	153	0.00249	0.000798	0.00000579	0.0118	0.00941	0.254	0.0403	0.0000108	50.3	0.0000594	0.00166
2094 Jul	315	0.187	0.274	0.00633	40.6	0.0688	153	0.0025	0.0008	0.0000058	0.0118	0.00943	0.255	0.0404	0.0000109	50.4	0.0000595	0.00167
2094 Aug	316	0.188	0.275	0.00634	40.7	0.0689	154	0.00251	0.000802	0.00000582	0.0119	0.00946	0.256	0.0405	0.0000109	50.6	0.0000597	0.00167
2094 Sep	316	0.188	0.275	0.00634	40.7	0.0689	154	0.00251	0.000802	0.00000582	0.0119	0.00946	0.256	0.0405	0.0000109	50.6	0.0000597	0.00167
2094 Oct	316	0.187	0.274	0.00632	40.7	0.0689	154	0.00251	0.000801	0.00000582	0.0119	0.00948	0.256	0.0406	0.0000109	50.7	0.0000598	0.00168
2094 Nov	316	0.187	0.272	0.0063	40.6	0.0689	155	0.00251	0.000799	0.00000581	0.0119	0.00951	0.257	0.0406	0.0000109	50.8	0.0000599	0.00168
2094 Dec	317	0.187	0.272	0.0063	40.6	0.0689	155	0.00251	0.000799	0.00000581	0.0119	0.00951	0.257	0.0407	0.0000109	50.8	0.0000599	0.00168
2095 Jan	317	0.186	0.272	0.0063	40.6	0.0689	155	0.00252	0.000799	0.00000581	0.0119	0.00951	0.257	0.0407	0.0000109	50.8	0.0000599	0.00168
2095 Feb	317	0.186	0.272	0.0063	40.6	0.0689	155	0.00252	0.000799	0.00000581	0.0119	0.00951	0.257	0.0407	0.0000109	50.8	0.0000599	0.00168
2095 Mar	317	0.187	0.272	0.0063	40.6	0.0689	155	0.00252	0.000799	0.00000581	0.0119	0.00951	0.257	0.0407	0.0000109	50.8	0.0000599	0.00168
2095 Apr	317	0.187	0.272	0.0063	40.6	0.0689	155	0.00252	0.0008	0.00000581	0.0119	0.00951	0.257	0.0407	0.0000109	50.8	0.0000599	0.00168
2095 May	317	0.186	0.272	0.00629	40.6	0.0689	155	0.00252	0.000799	0.00000582	0.0119	0.00953	0.258	0.0407	0.0000109	50.8	0.00006	0.00169
2095 Jun	317	0.186	0.271	0.00627	40.5	0.0689	155	0.00252	0.0008	0.00000582	0.0119	0.00955	0.258	0.0408	0.0000109	51	0.0000601	0.00169
2095 Jul	318	0.187	0.272	0.00629	40.6	0.0691	156	0.00253	0.000802	0.00000583	0.012	0.00958	0.259	0.0409	0.000011	51.1	0.0000603	0.00169
2095 Aug	318	0.187	0.272	0.00629	40.6	0.0691	156	0.00253	0.000802	0.00000584	0.012	0.00958	0.259	0.0409	0.000011	51.1	0.0000603	0.0017
2095 Sep	319	0.186	0.272	0.00628	40.6	0.0691	156	0.00254	0.000802	0.00000584	0.012	0.0096	0.26	0.041	0.000011	51.2	0.0000604	0.0017
2095 Oct	319	0.186	0.271	0.00628	40.6	0.0692	156	0.00254	0.000801	0.00000584	0.012	0.00962	0.26	0.0411	0.000011	51.3	0.0000605	0.0017
2095 Nov	320	0.186	0.271	0.00626	40.6	0.0692	157	0.00254	0.000801	0.00000584	0.012	0.00965	0.261	0.0411	0.000011	51.4	0.0000606	0.00171
2095 Dec	320	0.186	0.271	0.00626	40.6	0.0692	157	0.00255	0.000801	0.00000584	0.012	0.00965	0.261	0.0411	0.000011	51.4	0.0000606	0.00171
2096 Jan	320	0.186	0.271	0.00626	40.6	0.0692	157	0.00255	0.000801	0.00000584	0.012	0.00965	0.261	0.0411	0.000011	51.4	0.0000606	0.00171
2096 Feb	320	0.186	0.271	0.00626	40.6	0.0692	157	0.00255	0.000801	0.00000584	0.012	0.00965	0.261	0.0411	0.000011	51.4	0.0000606	0.00171
2096 Mar	320	0.186	0.271	0.00626	40.6	0.0692	157	0.00255	0.000801	0.00000584	0.012	0.00965	0.261	0.0411	0.000011	51.4	0.0000606	0.00171
2096 Apr	320	0.186	0.271	0.00626	40.6	0.0692	157	0.00255	0.000801	0.00000584	0.012	0.00965	0.261	0.0411	0.000011	51.4	0.0000606	0.00171
2096 May	320	0.186	0.271	0.00626	40.6	0.0692	157	0.00255	0.000801	0.00000585	0.012	0.00966	0.261	0.0412	0.000011	51.5	0.0000607	0.00171
2096 Jun	321	0.184	0.267	0.00618	40.3	0.0691	158	0.00256	0.000797	0.00000583	0.012	0.00973	0.262	0.0414	0.000011	51.7	0.0000609	0.00172
2096 Jul	322	0.184	0.267	0.00618	40.4	0.0692	158	0.00257	0.000798	0.00000584	0.0121	0.00976	0.263	0.0415	0.0000111	51.9	0.000061	0.00173
2096 Aug	323	0.184	0.268	0.00619	40.4	0.0693	159	0.00258	0.0008	0.00000586	0.0121	0.00978	0.264	0.0416	0.0000111	52	0.0000612	0.00173
2096 Sep	323	0.184	0.267	0.00618	40.4	0.0693	159	0.00258	0.000799	0.00000585	0.0121	0.00979	0.264	0.0416	0.0000111	52	0.0000612	0.00173
2096 Oct	323	0.183	0.266	0.00615	40.3	0.0693	159	0.00258	0.000797	0.00000585	0.0121	0.00983	0.265	0.0417	0.0000111	52.1	0.0000613	0.00174
2096 Nov	323	0.183	0.265	0.00615	40.3	0.0693	159	0.00259	0.000797	0.00000585	0.0121	0.00983	0.265	0.0417	0.0000111	52.2	0.0000614	0.00174
2096 Dec	323	0.183	0.265	0.00615	40.3	0.0693	159	0.00259	0.000797	0.00000585	0.0121	0.00983	0.265	0.0417	0.0000111	52.2	0.0000614	0.00174
2097 Jan	323	0.183	0.265	0.00615	40.3	0.0693	159	0.00259	0.000797	0.00000585	0.0121	0.00983	0.265	0.0417	0.0000111	52.2	0.0000614	0.00174
2097 Feb	323	0.183	0.265	0.00615	40.3	0.0693	159	0.00259	0.000797	0.00000585	0.0121	0.00983	0.265	0.0417	0.0000111	52.2	0.0000614	0.00174
2097 Mar	323	0.183	0.265	0.00615	40.3	0.0693	159	0.00259	0.000797	0.00000585	0.0121	0.00983	0.265	0.0417	0.0000111	52.2	0.0000614	0.00174
2097 Apr	324	0.183	0.266	0.00615	40.3	0.0693	159	0.00259	0.000797	0.00000585	0.0121	0.00984	0.265	0.0417	0.0000111	52.2	0.0000614	0.00174
2097 May	324	0.183	0.266	0.00615	40.3	0.0693	160	0.00259	0.000798	0.00000586	0.0121	0.00984	0.265	0.0418	0.0000111	52.2	0.0000614	0.00174
2097 Jun	324	0.182	0.264	0.00612	40.2	0.0693	160	0.00259	0.000797	0.00000585	0.0121	0.00987	0.266	0.0419	0.0000111	52.3	0.0000615	0.00174
2097 Jul	325	0.183	0.265	0.00614	40.3	0.0694	160	0.0026	0.000799	0.00000587	0.0122	0.00989	0.266	0.042	0.0000112	52.4	0.0000617	0.00175
2097 Aug	325	0.183	0.265	0.00615	40.4	0.0695	160	0.0026	0.0008	0.00000588	0.0122	0.00991	0.267	0.042	0.0000112	52.5	0.0000618	0.00175
2097 Sep	326	0.183	0.266	0.00615	40.4	0.0696	161	0.00261	0.000801	0.00000588	0.0122	0.00991	0.267	0.042	0.0000112	52.6	0.0000618	0.00175
2097 Oct	326	0.183	0.265	0.00615	40.4	0.0696	161	0.00261	0.0008	0.00000588	0.0122	0.00991	0.267	0.042	0.0000112	52.6	0.0000618	0.00175
2097 Nov	326	0.183	0.265	0.00614	40.4	0.0696	161	0.00261	0.0008	0.00000588	0.0122	0.00992	0.267	0.0421	0.0000112	52.6	0.0000618	0.00175

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2097 Dec	326	0.183	0.265	0.00614	40.4	0.0696	161	0.00261	0.0008	0.00000588	0.0122	0.00992	0.267	0.0421	0.0000112	52.6	0.0000618	0.00175
2098 Jan	326	0.183	0.265	0.00614	40.4	0.0696	161	0.00261	0.0008	0.00000588	0.0122	0.00992	0.267	0.0421	0.0000112	52.6	0.0000618	0.00175
2098 Feb	326	0.183	0.265	0.00614	40.4	0.0696	161	0.00261	0.0008	0.00000588	0.0122	0.00992	0.267	0.0421	0.0000112	52.6	0.0000618	0.00175
2098 Mar	326	0.183	0.265	0.00614	40.4	0.0696	161	0.00261	0.0008	0.00000588	0.0122	0.00992	0.267	0.0421	0.0000112	52.6	0.0000618	0.00175
2098 Apr	326	0.183	0.265	0.00614	40.4	0.0696	161	0.00261	0.0008	0.00000588	0.0122	0.00993	0.267	0.0421	0.0000112	52.6	0.0000618	0.00175
2098 May	326	0.183	0.265	0.00613	40.3	0.0696	161	0.00261	0.0008	0.00000588	0.0122	0.00995	0.268	0.0422	0.0000112	52.7	0.0000619	0.00176
2098 Jun	327	0.181	0.261	0.00606	40.1	0.0694	162	0.00263	0.000797	0.00000587	0.0122	0.01	0.269	0.0423	0.0000112	52.9	0.0000621	0.00176
2098 Jul	328	0.181	0.262	0.00607	40.2	0.0696	162	0.00264	0.000799	0.00000589	0.0123	0.01	0.269	0.0424	0.0000112	53.1	0.0000622	0.00177
2098 Aug	328	0.181	0.262	0.00607	40.2	0.0696	162	0.00264	0.000799	0.00000589	0.0123	0.01	0.27	0.0424	0.0000112	53.1	0.0000623	0.00177
2098 Sep	329	0.18	0.261	0.00604	40.1	0.0696	163	0.00265	0.000798	0.00000589	0.0123	0.0101	0.27	0.0425	0.0000113	53.3	0.0000624	0.00178
2098 Oct	329	0.179	0.259	0.006	40	0.0695	163	0.00265	0.000796	0.00000588	0.0123	0.0101	0.271	0.0426	0.0000113	53.4	0.0000625	0.00178
2098 Nov	329	0.179	0.258	0.00599	39.9	0.0695	163	0.00266	0.000795	0.00000588	0.0123	0.0101	0.271	0.0427	0.0000113	53.4	0.0000625	0.00178
2098 Dec	329	0.179	0.258	0.00599	39.9	0.0695	164	0.00266	0.000795	0.00000588	0.0123	0.0101	0.271	0.0427	0.0000113	53.4	0.0000626	0.00178
2099 Jan	329	0.179	0.258	0.00599	39.9	0.0695	164	0.00266	0.000795	0.00000588	0.0123	0.0101	0.271	0.0427	0.0000113	53.4	0.0000626	0.00178
2099 Feb	329	0.179	0.258	0.00599	39.9	0.0695	164	0.00266	0.000795	0.00000588	0.0123	0.0101	0.271	0.0427	0.0000113	53.4	0.0000626	0.00178
2099 Mar	329	0.179	0.258	0.00599	39.9	0.0695	164	0.00266	0.000795	0.00000588	0.0123	0.0101	0.271	0.0427	0.0000113	53.4	0.0000626	0.00178
2099 Apr	329	0.179	0.259	0.006	39.9	0.0695	164	0.00266	0.000795	0.00000588	0.0123	0.0101	0.272	0.0427	0.0000113	53.4	0.0000626	0.00178
2099 May	330	0.178	0.257	0.00596	39.8	0.0694	164	0.00266	0.000794	0.00000588	0.0123	0.0101	0.272	0.0427	0.0000113	53.5	0.0000626	0.00179
2099 Jun	330	0.178	0.256	0.00593	39.7	0.0693	164	0.00266	0.000793	0.00000587	0.0123	0.0102	0.272	0.0428	0.0000113	53.6	0.0000626	0.00179
2099 Jul	331	0.178	0.256	0.00594	39.8	0.0694	164	0.00267	0.000795	0.00000589	0.0123	0.0102	0.273	0.0429	0.0000113	53.7	0.0000628	0.00179
2099 Aug	331	0.178	0.257	0.00595	39.9	0.0696	165	0.00268	0.000796	0.0000059	0.0124	0.0102	0.273	0.043	0.0000113	53.8	0.0000629	0.0018
2099 Sep	331	0.178	0.256	0.00594	39.8	0.0695	165	0.00268	0.000795	0.00000589	0.0124	0.0102	0.273	0.043	0.0000113	53.9	0.0000629	0.0018
2099 Oct	332	0.177	0.255	0.00592	39.7	0.0695	165	0.00268	0.000794	0.00000589	0.0124	0.0102	0.274	0.0431	0.0000113	54	0.000063	0.0018
2099 Nov	332	0.177	0.254	0.0059	39.7	0.0695	165	0.00269	0.000793	0.00000589	0.0124	0.0103	0.274	0.0431	0.0000114	54	0.0000631	0.00181
2099 Dec	332	0.177	0.254	0.0059	39.7	0.0695	165	0.00269	0.000793	0.00000589	0.0124	0.0103	0.274	0.0431	0.0000114	54	0.0000631	0.00181
2100 Jan	332	0.177	0.254	0.0059	39.7	0.0695	165	0.00269	0.000793	0.00000589	0.0124	0.0103	0.274	0.0431	0.0000114	54	0.0000631	0.00181
2100 Feb	332	0.177	0.254	0.0059	39.7	0.0695	165	0.00269	0.000793	0.00000589	0.0124	0.0103	0.274	0.0431	0.0000114	54	0.0000631	0.00181
2100 Mar	332	0.177	0.254	0.0059	39.7	0.0695	165	0.00269	0.000793	0.00000589	0.0124	0.0103	0.274	0.0431	0.0000114	54	0.0000631	0.00181
2100 Apr	332	0.177	0.254	0.00591	39.7	0.0695	165	0.00269	0.000794	0.00000589	0.0124	0.0103	0.274	0.0431	0.0000114	54	0.0000631	0.00181
2100 May	332	0.177	0.254	0.0059	39.7	0.0695	166	0.00269	0.000794	0.00000589	0.0124	0.0103	0.275	0.0432	0.0000114	54.1	0.0000632	0.00181
2100 Jun	332	0.175	0.251	0.00583	39.4	0.0692	166	0.0027	0.000791	0.00000588	0.0124	0.0103	0.275	0.0432	0.0000114	54.2	0.0000631	0.00181
2100 Jul	333	0.175	0.251	0.00583	39.4	0.0692	166	0.0027	0.000791	0.00000588	0.0124	0.0103	0.275	0.0433	0.0000114	54.3	0.0000632	0.00181
2100 Aug	333	0.175	0.25	0.00581	39.4	0.0692	166	0.00271	0.00079	0.00000588	0.0124	0.0103	0.276	0.0434	0.0000114	54.4	0.0000633	0.00182
2100 Sep	333	0.174	0.25	0.0058	39.3	0.0692	167	0.00271	0.00079	0.00000588	0.0124	0.0103	0.276	0.0434	0.0000114	54.4	0.0000634	0.00182
2100 Oct	334	0.174	0.249	0.0058	39.3	0.0692	167	0.00271	0.000789	0.00000588	0.0124	0.0104	0.277	0.0434	0.0000114	54.5	0.0000634	0.00182
2100 Nov	334	0.174	0.249	0.00579	39.3	0.0692	167	0.00271	0.000789	0.00000588	0.0124	0.0104	0.277	0.0434	0.0000114	54.5	0.0000635	0.00182
2100 Dec	334	0.174	0.249	0.0058	39.3	0.0692	167	0.00271	0.000789	0.00000588	0.0124	0.0104	0.277	0.0435	0.0000114	54.5	0.0000635	0.00182
2101 Jan	334	0.174	0.249	0.0058	39.3	0.0692	167	0.00271	0.000789	0.00000588	0.0124	0.0104	0.277	0.0435	0.0000114	54.5	0.0000635	0.00182
2101 Feb	334	0.174	0.249	0.0058	39.3	0.0692	167	0.00271	0.000789	0.00000588	0.0124	0.0104	0.277	0.0435	0.0000114	54.5	0.0000635	0.00182
2101 Mar	334	0.174	0.249	0.0058	39.3	0.0692	167	0.00271	0.000789	0.00000588	0.0124	0.0104	0.277	0.0435	0.0000114	54.5	0.0000635	0.00182
2101 Apr	334	0.174	0.25	0.0058	39.3	0.0693	167	0.00271	0.00079	0.00000588	0.0124	0.0104	0.277	0.0435	0.0000114	54.5	0.0000635	0.00182
2101 May	334	0.174	0.249	0.00579	39.3	0.0692	167	0.00271	0.00079	0.00000588	0.0124	0.0104	0.277	0.0435	0.0000114	54.5	0.0000635	0.00182
2101 Jun	334	0.173	0.247	0.00575	39.1	0.0691	167	0.00272	0.000788	0.00000587	0.0124	0.0104	0.277	0.0435	0.0000114	54.6	0.0000635	0.00183
2101 Jul	335	0.173	0.248	0.00576	39.2	0.0692	168	0.00272	0.00079	0.00000589	0.0125	0.0104	0.278	0.0436	0.0000114	54.7	0.0000637	0.00183
2101 Aug	335	0.174	0.248	0.00577	39.3	0.0694	168	0.00273	0.000791	0.0000059	0.0125	0.0104	0.278	0.0437	0.0000114	54.8	0.0000638	0.00183
2101 Sep	335	0.174	0.248	0.00577	39.3	0.0693	168	0.00273	0.000791	0.0000059	0.0125	0.0104	0.278	0.0437	0.0000114	54.8	0.0000638	0.00183
2101 Oct	335	0.174	0.248	0.00576	39.3	0.0693	168	0.00273	0.000791	0.0000059	0.0125	0.0104	0.278	0.0437	0.0000114	54.9	0.0000638	0.00184
2101 Nov	336	0.173	0.247	0.00575	39.2	0.0693	168	0.00274	0.000789	0.0000059	0.0125	0.0105	0.279	0.0438	0.0000115	54.9	0.0000639	0.00184
2101 Dec	336	0.173	0.247	0.00575	39.2	0.0693	168	0.00274	0.000789	0.0000059	0.0125	0.0105	0.279	0.0438	0.0000115	54.9	0.0000639	0.00184
2102 Jan	336	0.173	0.247	0.00575	39.2	0.0693	168	0.00274	0.000789	0.0000059	0.0125	0.0105	0.279	0.0438	0.0000115	54.9	0.0000639	0.00184
2102 Feb	336	0.173	0.247	0.00575	39.2	0.0693	168	0.00274	0.000789	0.0000059	0.0125	0.0105	0.279	0.0438	0.0000115	54.9	0.0000639	0.00184
2102 Mar	336	0.173	0.247	0.00575	39.2	0.0693	168	0.00274	0.000789	0.0000059	0.0125	0.0105	0.279	0.0438	0.0000115	54.9	0.0000639	0.00184
2102 Apr	336	0.173	0.247	0.00575	39.2	0.0693	168	0.00274	0.00079	0.0000059	0.0125	0.0105	0.279	0.0438	0.0000115	54.9	0.0000639	0.00184
2102 May	336	0.173	0.247	0.00575	39.2	0.0694	168	0.00274	0.00079	0.0000059	0.0125	0.0105	0.279	0.0438	0.0000115	55	0.0000639	0.00184
2102 Jun	336	0.172	0.245	0.0057	39	0.0691	168	0.00274	0.000788	0.00000589	0.0125	0.0105	0.279	0.0438	0.0000115	55	0.0000639	0.00184
2102 Jul	336	0.171	0.244	0.00568	39	0.0691	169	0.00275	0.000788	0.00000589	0.0125	0.0105	0.28	0.0439	0.0000115	55.1	0.000064	0.00184
2102 Aug	337	0.172	0.245	0.00569	39	0.0692	169	0.00275	0.000789	0.0000059	0.0125	0.0105	0.28	0.044	0.0000115	55.2	0.0000641	0.00185
2102 Sep	337	0.172	0.245	0.00569	39	0.0692	169	0.00275	0.000789	0.0000059	0.0126	0.0105	0.28	0.044	0.0000115	55.2	0.0000641	0.00185
2102 Oct	337	0.171	0.244	0.00567	38.9	0.0691	169	0.00276	0.000787	0.00000589	0.0125	0.0105	0.28	0.044	0.0000115	55.3	0.0000641	0.00185
2102 Nov	337	0.171	0.244	0.00567	38.9	0.0691	169	0.00276	0.000787	0.0000059	0.0125	0.0105	0.28	0.044	0.0000115	55.3	0.0000641	0.00185
2102 Dec	337	0.171	0.244	0.00567	38.9	0.0691	169	0.00276	0.000787	0.0000059	0.0125	0.0105	0.28	0.044	0.0000115	55.3	0.0000641	0.00185
2103 Jan	337	0.171	0.244	0.00567	38.9	0.0691	169	0.00276	0.000787	0.0000059	0.0125	0.0105	0.28	0.044	0.0000115	55.3	0.0000641	0.00185
2103 Feb	337	0.171	0.244	0.00567	38.9	0.0691	169	0.00276	0.000787	0.0000059	0.0125	0.0105	0.28	0.044	0.0000115	55.3	0.0000641	0.00185
2103 Mar	337	0.171	0.244	0.00567	38.9	0.0692	169	0.00276	0.000787	0.0000059	0.0126	0.0105	0.28	0.044	0.0000115	55.3	0.0000641	0.00185
2103 Apr	337	0.171	0.244	0.00567	38.9	0.0692	169	0.00276	0.000787	0.0000059	0.0126	0.0105	0.28	0.044	0.0000115	55.3	0.0000642	0.00185
2103 May	337	0.171	0.243	0.00566	38.9	0.0692	170	0.00276	0.000788	0.0000059	0.0126	0.0106	0.281	0.0441	0.0000115	55.3	0.0000642	0.00185
2103 Jun	337	0.169	0.24	0.0056	38.7	0.0689	170	0.00276	0.000785	0.00000588	0.0125	0.0106	0.281	0.0441	0.0000115	55.4	0.0000642	0.00185
2103 Jul	337	0.169	0.24	0.00559	38.7	0.0689	170	0.00277	0.000785	0.00000589	0.0126	0.0106	0.281	0.0442	0.0000115	55.5	0.0000643	0.00186
2103 Aug	338	0.169	0.24	0.00558	38.6	0.069	170	0.00278	0.000785	0.00000589	0.0126	0.0106	0.282	0.0443	0.0000115	55.6	0.0000644	0.00186
2103 Sep	338	0.168	0.239	0.00556	38.6	0.0689	171	0.00278	0.000784	0.00000589	0.0126	0.0106	0.282	0.0443	0.0000115	55.7	0.0000645	0.00187
2103 Oct	338	0.168	0.238	0.00553	38.4	0.0688	171	0.00278	0.000782	0.00000588	0.0126	0.0106	0.282	0.0443	0.0000115	55.7	0.0000645	0.00187
2103 Nov	338	0.167	0.237	0.00553	38.4	0.0687	171	0.00278	0.000782	0.00000588	0.0126	0.0106	0.282	0.0443	0.0000115	55.7	0.0000644	0.00187

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2103 Dec	338	0.167	0.237	0.00553	38.4	0.0687	171	0.00278	0.000782	0.00000588	0.0126	0.0106	0.282	0.0443	0.0000115	55.7	0.0000645	0.00187
2104 Jan	338	0.167	0.237	0.00553	38.4	0.0687	171	0.00278	0.000782	0.00000588	0.0126	0.0106	0.282	0.0443	0.0000115	55.7	0.0000645	0.00187
2104 Feb	338	0.167	0.237	0.00553	38.4	0.0687	171	0.00278	0.000782	0.00000588	0.0126	0.0106	0.282	0.0443	0.0000115	55.7	0.0000645	0.00187
2104 Mar	338	0.167	0.237	0.00553	38.4	0.0687	171	0.00278	0.000782	0.00000588	0.0126	0.0106	0.282	0.0443	0.0000115	55.7	0.0000645	0.00187
2104 Apr	338	0.167	0.237	0.00553	38.4	0.0688	171	0.00278	0.000782	0.00000588	0.0126	0.0106	0.282	0.0443	0.0000115	55.7	0.0000645	0.00187
2104 May	338	0.167	0.237	0.00552	38.4	0.0687	171	0.00278	0.000782	0.00000588	0.0126	0.0107	0.282	0.0443	0.0000115	55.7	0.0000645	0.00187
2104 Jun	338	0.166	0.235	0.00547	38.2	0.0684	171	0.00278	0.000779	0.00000586	0.0126	0.0106	0.282	0.0443	0.0000115	55.7	0.0000644	0.00187
2104 Jul	338	0.166	0.235	0.00547	38.2	0.0685	171	0.00279	0.00078	0.00000587	0.0126	0.0107	0.283	0.0444	0.0000115	55.8	0.0000645	0.00187
2104 Aug	339	0.166	0.235	0.00548	38.2	0.0686	171	0.00279	0.000781	0.00000588	0.0126	0.0107	0.283	0.0445	0.0000115	55.9	0.0000646	0.00187
2104 Sep	339	0.166	0.234	0.00546	38.2	0.0686	171	0.00279	0.00078	0.00000588	0.0126	0.0107	0.284	0.0445	0.0000115	55.9	0.0000647	0.00188
2104 Oct	339	0.165	0.233	0.00544	38.1	0.0685	171	0.0028	0.000779	0.00000587	0.0126	0.0107	0.284	0.0445	0.0000115	55.9	0.0000647	0.00188
2104 Nov	339	0.165	0.233	0.00543	38	0.0684	171	0.0028	0.000778	0.00000587	0.0126	0.0107	0.284	0.0445	0.0000115	55.9	0.0000646	0.00188
2104 Dec	339	0.165	0.233	0.00543	38	0.0684	171	0.0028	0.000778	0.00000587	0.0126	0.0107	0.284	0.0445	0.0000115	55.9	0.0000647	0.00188
2105 Jan	339	0.165	0.233	0.00543	38	0.0684	171	0.0028	0.000778	0.00000587	0.0126	0.0107	0.284	0.0445	0.0000115	55.9	0.0000647	0.00188
2105 Feb	339	0.165	0.233	0.00543	38	0.0684	171	0.0028	0.000778	0.00000587	0.0126	0.0107	0.284	0.0445	0.0000115	55.9	0.0000647	0.00188
2105 Mar	339	0.165	0.233	0.00543	38	0.0684	171	0.0028	0.000778	0.00000587	0.0126	0.0107	0.284	0.0445	0.0000115	55.9	0.0000647	0.00188
2105 Apr	339	0.165	0.233	0.00543	38	0.0684	171	0.0028	0.000779	0.00000587	0.0126	0.0107	0.284	0.0445	0.0000115	55.9	0.0000647	0.00188
2105 May	339	0.165	0.233	0.00542	38	0.0684	172	0.0028	0.000778	0.00000587	0.0126	0.0107	0.284	0.0445	0.0000115	56	0.0000647	0.00188
2105 Jun	339	0.164	0.232	0.0054	37.9	0.0683	172	0.0028	0.000778	0.00000587	0.0126	0.0107	0.284	0.0446	0.0000115	56	0.0000647	0.00188
2105 Jul	340	0.164	0.232	0.00541	38	0.0684	172	0.00281	0.000779	0.00000588	0.0126	0.0107	0.284	0.0446	0.0000116	56.1	0.0000648	0.00188
2105 Aug	340	0.164	0.231	0.00538	37.9	0.0684	173	0.00281	0.000778	0.00000587	0.0127	0.0108	0.285	0.0447	0.0000116	56.3	0.000065	0.00189
2105 Sep	340	0.163	0.229	0.00535	37.7	0.0683	173	0.00281	0.000776	0.00000587	0.0127	0.0108	0.286	0.0448	0.0000116	56.3	0.000065	0.00189
2105 Oct	340	0.162	0.228	0.00533	37.6	0.0681	173	0.00281	0.000774	0.00000586	0.0127	0.0108	0.286	0.0448	0.0000116	56.3	0.000065	0.00189
2105 Nov	340	0.162	0.228	0.00532	37.6	0.0681	173	0.00281	0.000774	0.00000586	0.0127	0.0108	0.286	0.0448	0.0000116	56.3	0.000065	0.00189
2105 Dec	340	0.162	0.228	0.00532	37.6	0.0681	173	0.00281	0.000774	0.00000586	0.0127	0.0108	0.286	0.0448	0.0000116	56.3	0.000065	0.00189
2106 Jan	340	0.162	0.228	0.00532	37.6	0.0681	173	0.00281	0.000774	0.00000586	0.0127	0.0108	0.286	0.0448	0.0000116	56.3	0.000065	0.00189
2106 Feb	340	0.162	0.228	0.00532	37.6	0.0681	173	0.00281	0.000774	0.00000586	0.0127	0.0108	0.286	0.0448	0.0000116	56.3	0.000065	0.00189
2106 Mar	340	0.162	0.228	0.00532	37.6	0.0681	173	0.00281	0.000774	0.00000586	0.0127	0.0108	0.286	0.0448	0.0000116	56.3	0.000065	0.00189
2106 Apr	340	0.162	0.228	0.00532	37.6	0.0681	173	0.00282	0.000774	0.00000586	0.0127	0.0108	0.286	0.0448	0.0000116	56.3	0.000065	0.00189
2106 May	340	0.162	0.228	0.00532	37.6	0.0681	173	0.00282	0.000774	0.00000586	0.0127	0.0108	0.286	0.0448	0.0000116	56.3	0.000065	0.00189
2106 Jun	340	0.161	0.226	0.00527	37.4	0.0678	173	0.00281	0.000771	0.00000584	0.0126	0.0108	0.285	0.0448	0.0000116	56.3	0.0000649	0.00189
2106 Jul	340	0.161	0.226	0.00527	37.4	0.0679	173	0.00282	0.000772	0.00000585	0.0127	0.0108	0.286	0.0449	0.0000116	56.4	0.000065	0.0019
2106 Aug	341	0.16	0.225	0.00525	37.3	0.0679	174	0.00283	0.000771	0.00000585	0.0127	0.0109	0.287	0.045	0.0000116	56.5	0.0000652	0.0019
2106 Sep	341	0.159	0.224	0.00523	37.2	0.0678	174	0.00283	0.00077	0.00000584	0.0127	0.0109	0.287	0.045	0.0000116	56.6	0.0000652	0.00191
2106 Oct	341	0.159	0.223	0.00522	37.2	0.0677	174	0.00283	0.000769	0.00000584	0.0127	0.0109	0.287	0.045	0.0000116	56.6	0.0000653	0.00191
2106 Nov	341	0.159	0.223	0.00522	37.2	0.0678	174	0.00283	0.000769	0.00000584	0.0127	0.0109	0.287	0.045	0.0000116	56.6	0.0000653	0.00191
2106 Dec	341	0.159	0.223	0.00522	37.2	0.0678	174	0.00283	0.000769	0.00000584	0.0127	0.0109	0.287	0.045	0.0000116	56.6	0.0000653	0.00191
2107 Jan	341	0.159	0.223	0.00522	37.2	0.0678	174	0.00283	0.000769	0.00000584	0.0127	0.0109	0.287	0.045	0.0000116	56.6	0.0000653	0.00191
2107 Feb	341	0.159	0.223	0.00522	37.2	0.0678	174	0.00283	0.000769	0.00000584	0.0127	0.0109	0.287	0.045	0.0000116	56.6	0.0000653	0.00191
2107 Mar	341	0.159	0.223	0.00522	37.2	0.0678	174	0.00283	0.000769	0.00000584	0.0127	0.0109	0.287	0.045	0.0000116	56.6	0.0000653	0.00191
2107 Apr	341	0.159	0.223	0.00522	37.2	0.0678	174	0.00283	0.000769	0.00000584	0.0127	0.0109	0.288	0.045	0.0000116	56.6	0.0000653	0.00191
2107 May	341	0.159	0.223	0.00522	37.2	0.0677	174	0.00283	0.000769	0.00000584	0.0127	0.0109	0.288	0.045	0.0000116	56.6	0.0000653	0.00191
2107 Jun	341	0.159	0.222	0.00519	37.1	0.0676	174	0.00283	0.000768	0.00000584	0.0127	0.0109	0.287	0.045	0.0000116	56.6	0.0000652	0.00191
2107 Jul	341	0.159	0.222	0.00519	37.1	0.0677	174	0.00283	0.000769	0.00000584	0.0127	0.0109	0.288	0.0451	0.0000116	56.7	0.0000654	0.00191
2107 Aug	342	0.159	0.222	0.0052	37.2	0.0678	175	0.00284	0.00077	0.00000585	0.0127	0.0109	0.289	0.0452	0.0000116	56.8	0.0000655	0.00191
2107 Sep	342	0.159	0.222	0.0052	37.2	0.0678	175	0.00284	0.00077	0.00000586	0.0127	0.0109	0.289	0.0452	0.0000116	56.9	0.0000656	0.00192
2107 Oct	343	0.158	0.222	0.00518	37.1	0.0678	175	0.00284	0.000769	0.00000585	0.0127	0.0109	0.289	0.0453	0.0000116	56.9	0.0000656	0.00192
2107 Nov	343	0.158	0.221	0.00518	37.1	0.0678	175	0.00285	0.000769	0.00000585	0.0127	0.011	0.289	0.0453	0.0000116	56.9	0.0000656	0.00192
2107 Dec	343	0.158	0.221	0.00518	37.1	0.0678	175	0.00285	0.000769	0.00000585	0.0127	0.011	0.289	0.0453	0.0000116	56.9	0.0000656	0.00192
2108 Jan	343	0.158	0.221	0.00518	37.1	0.0678	175	0.00285	0.000769	0.00000585	0.0127	0.011	0.289	0.0453	0.0000116	56.9	0.0000656	0.00192
2108 Feb	343	0.158	0.221	0.00518	37.1	0.0678	175	0.00285	0.000769	0.00000585	0.0127	0.011	0.289	0.0453	0.0000116	56.9	0.0000656	0.00192
2108 Mar	343	0.158	0.221	0.00518	37.1	0.0678	175	0.00285	0.000769	0.00000585	0.0127	0.011	0.289	0.0453	0.0000116	56.9	0.0000656	0.00192
2108 Apr	343	0.158	0.221	0.00518	37.1	0.0678	175	0.00285	0.000769	0.00000585	0.0127	0.011	0.289	0.0453	0.0000116	56.9	0.0000656	0.00192
2108 May	343	0.158	0.222	0.00519	37.1	0.0678	175	0.00285	0.00077	0.00000586	0.0128	0.011	0.29	0.0453	0.0000117	57	0.0000657	0.00192
2108 Jun	343	0.158	0.221	0.00517	37	0.0677	175	0.00285	0.000769	0.00000586	0.0128	0.011	0.29	0.0453	0.0000117	57	0.0000657	0.00192
2108 Jul	344	0.158	0.221	0.00517	37.1	0.0679	176	0.00286	0.000771	0.00000587	0.0128	0.011	0.29	0.0454	0.0000117	57.1	0.0000658	0.00193
2108 Aug	344	0.159	0.222	0.00519	37.2	0.068	176	0.00286	0.000773	0.00000588	0.0128	0.011	0.291	0.0455	0.0000117	57.3	0.000066	0.00193
2108 Sep	345	0.159	0.222	0.00519	37.2	0.0681	176	0.00286	0.000773	0.00000588	0.0128	0.011	0.291	0.0455	0.0000117	57.3	0.000066	0.00193
2108 Oct	345	0.158	0.221	0.00516	37.1	0.068	176	0.00287	0.000771	0.00000588	0.0128	0.011	0.291	0.0456	0.0000117	57.3	0.000066	0.00193
2108 Nov	345	0.158	0.22	0.00516	37.1	0.068	176	0.00287	0.000771	0.00000588	0.0128	0.011	0.291	0.0456	0.0000117	57.3	0.000066	0.00193
2108 Dec	345	0.158	0.22	0.00516	37.1	0.068	176	0.00287	0.000771	0.00000588	0.0128	0.011	0.291	0.0456	0.0000117	57.3	0.000066	0.00193
2109 Jan	345	0.158	0.22	0.00516	37.1	0.068	176	0.00287	0.000771	0.00000588	0.0128	0.011	0.291	0.0456	0.0000117	57.3	0.000066	0.00193
2109 Feb	345	0.158	0.221	0.00516	37.1	0.068	176	0.00287	0.000771	0.00000588	0.0128	0.011	0.291	0.0456	0.0000117	57.3	0.0000661	0.00193
2109 Mar	345	0.158	0.221	0.00516	37.1	0.068	176	0.00287	0.000771	0.00000588	0.0128	0.011	0.292	0.0456	0.0000117	57.3	0.0000661	0.00193
2109 Apr	345	0.158	0.221	0.00516	37.1	0.068	176	0.00287	0.000771	0.00000588	0.0128	0.011	0.292	0.0456	0.0000117	57.4	0.0000661	0.00194
2109 May	345	0.158	0.22	0.00516	37.1	0.068	176	0.00287	0.000771	0.00000588	0.0128	0.0111	0.292	0.0456	0.0000117	57.4	0.0000661	0.00194
2109 Jun	345	0.157	0.22	0.00514	37	0.068	177	0.00288	0.000771	0.00000588	0.0128	0.0111	0.292	0.0457	0.0000117	57.5	0.0000662	0.00194
2109 Jul	346	0.157	0.22	0.00514	37.1	0.068	177	0.00288	0.000772	0.00000589	0.0129	0.0111	0.293	0.0458	0.0000118	57.6	0.0000663	0.00194
2109 Aug	347	0.157	0.219	0.00514	37.1	0.0681	178	0.00289	0.000772	0.0000059	0.0129	0.0111	0.294	0.0459	0.0000118	57.8	0.0000665	0.00195
2109 Sep	347	0.157	0.219	0.00512	37	0.0681	178	0.0029	0.000772	0.0000059	0.0129	0.0112	0.294	0.046	0.0000118	57.9	0.0000666	0.00195
2109 Oct	348	0.156	0.217	0.00509	36.9	0.068	178	0.0029	0.00077	0.00000589	0.0129	0.0112	0.295	0.046	0.0000118	57.9	0.0000666	0.00196

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2109 Nov	348	0.156	0.217	0.00509	36.9	0.068	178	0.0029	0.000769	0.00000589	0.0129	0.0112	0.295	0.046	0.0000118	58	0.0000667	0.00196
2109 Dec	348	0.156	0.217	0.00509	36.9	0.068	178	0.0029	0.000769	0.00000589	0.0129	0.0112	0.295	0.046	0.0000118	58	0.0000667	0.00196
2110 Jan	348	0.156	0.217	0.00509	36.9	0.068	178	0.0029	0.000769	0.00000589	0.0129	0.0112	0.295	0.046	0.0000118	58	0.0000667	0.00196
2110 Feb	348	0.156	0.217	0.00509	36.9	0.068	178	0.0029	0.000769	0.00000589	0.0129	0.0112	0.295	0.046	0.0000118	58	0.0000667	0.00196
2110 Mar	348	0.156	0.217	0.00509	36.9	0.068	178	0.0029	0.00077	0.00000589	0.0129	0.0112	0.295	0.046	0.0000118	58	0.0000667	0.00196
2110 Apr	348	0.156	0.217	0.00509	36.9	0.068	178	0.0029	0.00077	0.00000589	0.0129	0.0112	0.295	0.046	0.0000118	58	0.0000667	0.00196
2110 May	348	0.156	0.217	0.00509	36.9	0.068	179	0.0029	0.00077	0.0000059	0.0129	0.0112	0.295	0.046	0.0000118	58	0.0000667	0.00196
2110 Jun	348	0.155	0.215	0.00504	36.7	0.0678	179	0.00291	0.000767	0.00000588	0.0129	0.0112	0.295	0.0461	0.0000118	58.1	0.0000667	0.00196
2110 Jul	349	0.155	0.215	0.00504	36.7	0.0679	179	0.00291	0.000768	0.00000589	0.0129	0.0112	0.296	0.0462	0.0000118	58.2	0.0000669	0.00197
2110 Aug	349	0.154	0.213	0.00499	36.5	0.0678	180	0.00292	0.000765	0.00000588	0.013	0.0113	0.297	0.0463	0.0000118	58.3	0.000067	0.00198
2110 Sep	349	0.153	0.211	0.00496	36.4	0.0677	180	0.00292	0.000763	0.00000587	0.013	0.0113	0.297	0.0463	0.0000118	58.4	0.0000671	0.00198
2110 Oct	349	0.152	0.21	0.00493	36.2	0.0675	180	0.00292	0.000761	0.00000586	0.0129	0.0113	0.297	0.0463	0.0000118	58.3	0.000067	0.00198
2110 Nov	349	0.152	0.21	0.00492	36.2	0.0675	180	0.00292	0.000761	0.00000586	0.0129	0.0113	0.297	0.0463	0.0000118	58.3	0.000067	0.00198
2110 Dec	349	0.152	0.21	0.00492	36.2	0.0675	180	0.00292	0.000761	0.00000586	0.0129	0.0113	0.297	0.0463	0.0000118	58.3	0.000067	0.00198
2111 Jan	349	0.152	0.21	0.00492	36.2	0.0675	180	0.00292	0.000761	0.00000586	0.0129	0.0113	0.297	0.0463	0.0000118	58.3	0.000067	0.00198
2111 Feb	349	0.152	0.21	0.00492	36.2	0.0675	180	0.00292	0.000761	0.00000586	0.0129	0.0113	0.297	0.0463	0.0000118	58.3	0.000067	0.00198
2111 Mar	349	0.152	0.21	0.00492	36.2	0.0675	180	0.00292	0.000761	0.00000586	0.0129	0.0113	0.297	0.0463	0.0000118	58.3	0.000067	0.00198
2111 Apr	349	0.152	0.21	0.00493	36.2	0.0675	180	0.00292	0.000761	0.00000586	0.0129	0.0113	0.297	0.0463	0.0000118	58.3	0.000067	0.00198
2111 May	349	0.152	0.21	0.00492	36.2	0.0675	180	0.00292	0.000761	0.00000586	0.013	0.0113	0.298	0.0463	0.0000118	58.4	0.0000671	0.00198
2111 Jun	348	0.151	0.208	0.00489	36.1	0.0673	180	0.00292	0.00076	0.00000585	0.0129	0.0113	0.297	0.0463	0.0000118	58.3	0.000067	0.00198
2111 Jul	349	0.151	0.209	0.0049	36.2	0.0675	180	0.00293	0.000761	0.00000587	0.013	0.0113	0.298	0.0464	0.0000118	58.5	0.0000671	0.00198
2111 Aug	350	0.15	0.208	0.00488	36.1	0.0674	181	0.00293	0.00076	0.00000586	0.013	0.0114	0.299	0.0465	0.0000119	58.6	0.0000673	0.00199
2111 Sep	350	0.15	0.207	0.00486	36	0.0674	181	0.00293	0.000759	0.00000586	0.013	0.0114	0.299	0.0465	0.0000119	58.6	0.0000673	0.00199
2111 Oct	350	0.15	0.206	0.00484	35.9	0.0672	181	0.00293	0.000757	0.00000585	0.013	0.0114	0.299	0.0465	0.0000119	58.6	0.0000673	0.00199
2111 Nov	349	0.149	0.205	0.00483	35.8	0.0672	181	0.00293	0.000757	0.00000585	0.013	0.0114	0.299	0.0465	0.0000118	58.6	0.0000672	0.00199
2111 Dec	349	0.149	0.205	0.00483	35.8	0.0672	181	0.00293	0.000756	0.00000585	0.013	0.0114	0.299	0.0465	0.0000118	58.6	0.0000672	0.00199
2112 Jan	349	0.149	0.205	0.00483	35.8	0.0672	181	0.00293	0.000756	0.00000585	0.013	0.0114	0.299	0.0465	0.0000118	58.6	0.0000672	0.00199
2112 Feb	349	0.149	0.205	0.00483	35.8	0.0672	181	0.00293	0.000756	0.00000585	0.013	0.0114	0.299	0.0465	0.0000118	58.6	0.0000672	0.00199
2112 Mar	350	0.149	0.205	0.00483	35.8	0.0672	181	0.00293	0.000757	0.00000585	0.013	0.0114	0.299	0.0465	0.0000118	58.6	0.0000673	0.00199
2112 Apr	350	0.149	0.205	0.00483	35.8	0.0672	181	0.00293	0.000757	0.00000585	0.013	0.0114	0.299	0.0465	0.0000118	58.6	0.0000673	0.00199
2112 May	350	0.149	0.205	0.00483	35.8	0.0672	181	0.00293	0.000757	0.00000585	0.013	0.0114	0.299	0.0465	0.0000119	58.6	0.0000673	0.00199
2112 Jun	348	0.147	0.202	0.00476	35.5	0.0667	180	0.00292	0.000752	0.00000582	0.0129	0.0113	0.298	0.0464	0.0000118	58.4	0.0000671	0.00198
2112 Jul	348	0.147	0.202	0.00475	35.5	0.0667	181	0.00292	0.000752	0.00000582	0.0129	0.0113	0.299	0.0465	0.0000118	58.5	0.0000671	0.00199
2112 Aug	349	0.147	0.202	0.00475	35.5	0.0668	181	0.00293	0.000753	0.00000583	0.013	0.0114	0.299	0.0466	0.0000118	58.6	0.0000673	0.00199
2112 Sep	349	0.147	0.202	0.00475	35.5	0.0668	181	0.00293	0.000753	0.00000583	0.013	0.0114	0.3	0.0466	0.0000118	58.6	0.0000673	0.00199
2112 Oct	349	0.147	0.201	0.00474	35.5	0.0668	181	0.00293	0.000752	0.00000583	0.013	0.0114	0.3	0.0466	0.0000118	58.7	0.0000674	0.002
2112 Nov	349	0.147	0.201	0.00473	35.5	0.0668	181	0.00293	0.000752	0.00000583	0.013	0.0114	0.3	0.0466	0.0000118	58.7	0.0000674	0.002
2112 Dec	349	0.147	0.201	0.00473	35.5	0.0668	181	0.00293	0.000752	0.00000583	0.013	0.0114	0.3	0.0466	0.0000118	58.7	0.0000674	0.002
2113 Jan	349	0.147	0.201	0.00473	35.5	0.0668	181	0.00293	0.000752	0.00000583	0.013	0.0114	0.3	0.0466	0.0000118	58.7	0.0000674	0.002
2113 Feb	350	0.147	0.201	0.00473	35.5	0.0668	181	0.00293	0.000752	0.00000583	0.013	0.0114	0.3	0.0466	0.0000118	58.7	0.0000674	0.002
2113 Mar	350	0.147	0.201	0.00473	35.5	0.0668	181	0.00293	0.000752	0.00000583	0.013	0.0114	0.3	0.0466	0.0000118	58.7	0.0000674	0.002
2113 Apr	350	0.147	0.201	0.00474	35.5	0.0668	181	0.00293	0.000752	0.00000583	0.013	0.0114	0.3	0.0466	0.0000119	58.7	0.0000674	0.002
2113 May	350	0.147	0.201	0.00473	35.5	0.0668	181	0.00293	0.000752	0.00000583	0.013	0.0114	0.3	0.0467	0.0000119	58.7	0.0000674	0.002
2113 Jun	349	0.146	0.2	0.0047	35.4	0.0667	181	0.00293	0.000751	0.00000582	0.013	0.0114	0.3	0.0467	0.0000118	58.7	0.0000674	0.002
2113 Jul	350	0.146	0.2	0.00471	35.4	0.0668	182	0.00294	0.000752	0.00000583	0.013	0.0114	0.301	0.0468	0.0000119	58.8	0.0000675	0.002
2113 Aug	351	0.146	0.2	0.00471	35.4	0.0669	182	0.00294	0.000753	0.00000584	0.013	0.0114	0.301	0.0468	0.0000119	58.9	0.0000676	0.00201
2113 Sep	351	0.146	0.199	0.0047	35.4	0.0669	182	0.00294	0.000752	0.00000583	0.013	0.0115	0.302	0.0469	0.0000119	59	0.0000677	0.00201
2113 Oct	351	0.145	0.198	0.00467	35.2	0.0667	182	0.00294	0.000749	0.00000582	0.013	0.0115	0.302	0.0469	0.0000119	58.9	0.0000677	0.00201
2113 Nov	351	0.145	0.198	0.00466	35.2	0.0667	182	0.00294	0.000749	0.00000582	0.013	0.0115	0.302	0.0469	0.0000119	58.9	0.0000677	0.00201
2113 Dec	351	0.145	0.198	0.00466	35.2	0.0667	182	0.00294	0.000749	0.00000582	0.013	0.0115	0.302	0.0469	0.0000119	58.9	0.0000677	0.00201
2114 Jan	351	0.145	0.198	0.00466	35.2	0.0667	182	0.00294	0.000749	0.00000582	0.013	0.0115	0.302	0.0469	0.0000119	58.9	0.0000677	0.00201
2114 Feb	351	0.145	0.198	0.00466	35.2	0.0667	182	0.00294	0.000749	0.00000582	0.013	0.0115	0.302	0.0469	0.0000119	58.9	0.0000677	0.00201
2114 Mar	351	0.145	0.198	0.00466	35.2	0.0667	182	0.00294	0.000749	0.00000582	0.013	0.0115	0.302	0.0469	0.0000119	58.9	0.0000677	0.00201
2114 Apr	351	0.145	0.198	0.00466	35.2	0.0667	182	0.00294	0.000749	0.00000582	0.013	0.0115	0.302	0.0469	0.0000119	58.9	0.0000677	0.00201
2114 May	351	0.144	0.197	0.00465	35.2	0.0666	182	0.00294	0.000749	0.00000582	0.013	0.0115	0.302	0.0469	0.0000119	59	0.0000677	0.00201
2114 Jun	351	0.144	0.197	0.00464	35.2	0.0666	182	0.00294	0.000748	0.00000582	0.013	0.0115	0.302	0.047	0.0000119	59	0.0000678	0.00201
2114 Jul	352	0.144	0.197	0.00465	35.2	0.0668	183	0.00295	0.00075	0.00000583	0.0131	0.0115	0.303	0.0471	0.0000119	59.1	0.0000679	0.00202
2114 Aug	353	0.145	0.197	0.00466	35.3	0.0669	183	0.00296	0.000752	0.00000585	0.0131	0.0115	0.304	0.0472	0.0000119	59.3	0.0000681	0.00202
2114 Sep	353	0.144	0.197	0.00465	35.3	0.0669	184	0.00296	0.000751	0.00000584	0.0131	0.0115	0.304	0.0472	0.0000119	59.3	0.0000681	0.00202
2114 Oct	353	0.144	0.196	0.00462	35.2	0.0669	184	0.00296	0.000749	0.00000584	0.0131	0.0116	0.305	0.0473	0.000012	59.4	0.0000682	0.00203
2114 Nov	353	0.143	0.195	0.00461	35.1	0.0668	184	0.00296	0.000748	0.00000583	0.0131	0.0116	0.305	0.0473	0.000012	59.4	0.0000683	0.00203
2114 Dec	353	0.143	0.195	0.00461	35.1	0.0668	184	0.00296	0.000748	0.00000583	0.0131	0.0116	0.305	0.0473	0.000012	59.4	0.0000683	0.00203
2115 Jan	353	0.143	0.195	0.00461	35.1	0.0668	184	0.00296	0.000748	0.00000583	0.0131	0.0116	0.305	0.0473	0.000012	59.4	0.0000683	0.00203
2115 Feb	353	0.143	0.195	0.00461	35.1	0.0668	184	0.00296	0.000748	0.00000583	0.0131	0.0116	0.305	0.0473	0.000012	59.4	0.0000683	0.00203
2115 Mar	353	0.143	0.195	0.00461	35.1	0.0668	184	0.00296	0.000748	0.00000583	0.0131	0.0116	0.305	0.0473	0.000012	59.4	0.0000683	0.00203
2115 Apr	353	0.143	0.195	0.00461	35.1	0.0668	184	0.00296	0.000748	0.00000583	0.0131	0.0116	0.305	0.0473	0.000012	59.4	0.0000683	0.00203
2115 May	353	0.143	0.195	0.0046	35.1	0.0668	184	0.00296	0.000748	0.00000583	0.0131	0.0116	0.305	0.0473	0.000012	59.4	0.0000683	0.00203
2115 Jun	354	0.143	0.195	0.0046	35.1	0.0669	184	0.00296	0.000749	0.00000584	0.0131	0.0116	0.306	0.0474	0.000012	59.5	0.0000684	0.00204
2115 Jul	354	0.144	0.195	0.00461	35.2	0.067	185	0.00297	0.000751	0.00000585	0.0132	0.0116	0.306	0.0475	0.000012	59.7	0.0000686	0.00204
2115 Aug	355	0.143	0.194	0.00459	35.2	0.067	185	0.00297	0.000749	0.00000585	0.0132	0.0117	0.307	0.0476	0.000012	59.8	0.0000687	0.00204
2115 Sep	355	0.143	0.194	0.00458	35.1	0.067	185	0.00298	0.000749	0.00000585	0.0132	0.0117	0.308	0.0477	0.000012	59.8	0.0000688	0.00205
2115 Oct	356	0.143	0.194	0.00457	35.1	0.067	186	0.00298	0.000748	0.00000585	0.0132	0.0117	0.308	0.0477	0.000012	59.9	0.0000688	0.00205
2115 Nov	356	0.142	0.193	0.00457	35.1	0.067	186	0.00298	0.000748	0.00000585	0.0132	0.0117	0.308	0.0477	0.000012	59.9	0.0000689	0.00205

Appendix D.3-2: TIRI Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2115 Dec	356	0.142	0.193	0.00456	35.1	0.067	186	0.00298	0.000748	0.00000585	0.0132	0.0117	0.308	0.0477	0.000012	59.9	0.0000689	0.00205
2116 Jan	356	0.142	0.193	0.00456	35.1	0.067	186	0.00298	0.000748	0.00000585	0.0132	0.0117	0.308	0.0477	0.000012	59.9	0.0000689	0.00205
2116 Feb	356	0.142	0.193	0.00457	35.1	0.067	186	0.00298	0.000748	0.00000585	0.0132	0.0117	0.308	0.0477	0.000012	59.9	0.0000689	0.00205
2116 Mar	356	0.142	0.193	0.00457	35.1	0.067	186	0.00298	0.000748	0.00000585	0.0132	0.0117	0.308	0.0477	0.000012	59.9	0.0000689	0.00205
2116 Apr	356	0.142	0.193	0.00457	35.1	0.067	186	0.00298	0.000748	0.00000585	0.0132	0.0117	0.308	0.0477	0.000012	59.9	0.0000689	0.00205
2116 May	356	0.142	0.193	0.00456	35.1	0.067	186	0.00298	0.000748	0.00000585	0.0132	0.0117	0.309	0.0478	0.0000121	60	0.0000689	0.00205
2116 Jun	356	0.141	0.191	0.00451	34.9	0.0668	186	0.00298	0.000745	0.00000583	0.0132	0.0117	0.309	0.0478	0.000012	59.9	0.0000689	0.00206
2116 Jul	356	0.141	0.191	0.00452	35	0.0669	186	0.00298	0.000747	0.00000585	0.0132	0.0117	0.309	0.0479	0.0000121	60.1	0.0000691	0.00206
2116 Aug	357	0.142	0.192	0.00453	35	0.0671	187	0.00299	0.000748	0.00000586	0.0133	0.0118	0.31	0.048	0.0000121	60.2	0.0000692	0.00206
2116 Sep	357	0.141	0.191	0.00451	35	0.067	187	0.00299	0.000747	0.00000585	0.0133	0.0118	0.311	0.0481	0.0000121	60.2	0.0000693	0.00207
2116 Oct	358	0.14	0.19	0.00448	34.9	0.067	187	0.00299	0.000745	0.00000585	0.0133	0.0118	0.311	0.0481	0.0000121	60.3	0.0000694	0.00207
2116 Nov	358	0.14	0.19	0.00448	34.9	0.067	187	0.00299	0.000745	0.00000585	0.0133	0.0118	0.311	0.0481	0.0000121	60.3	0.0000694	0.00207
2116 Dec	358	0.14	0.19	0.00448	34.9	0.067	187	0.00299	0.000745	0.00000585	0.0133	0.0118	0.311	0.0481	0.0000121	60.3	0.0000694	0.00207
2117 Jan	358	0.14	0.19	0.00448	34.9	0.067	187	0.00299	0.000745	0.00000585	0.0133	0.0118	0.311	0.0481	0.0000121	60.3	0.0000694	0.00207
2117 Feb	358	0.14	0.19	0.00448	34.9	0.067	187	0.00299	0.000745	0.00000585	0.0133	0.0118	0.311	0.0481	0.0000121	60.3	0.0000694	0.00207
2117 Mar	358	0.14	0.19	0.00448	34.9	0.067	187	0.00299	0.000745	0.00000585	0.0133	0.0118	0.311	0.0481	0.0000121	60.3	0.0000694	0.00207
2117 Apr	358	0.14	0.19	0.00448	34.9	0.067	187	0.00299	0.000745	0.00000585	0.0133	0.0118	0.311	0.0481	0.0000121	60.3	0.0000694	0.00207
2117 May	358	0.14	0.19	0.00448	34.9	0.067	187	0.00299	0.000745	0.00000585	0.0133	0.0118	0.311	0.0482	0.0000121	60.4	0.0000694	0.00207
2117 Jun	358	0.14	0.189	0.00447	34.9	0.067	188	0.003	0.000745	0.00000585	0.0133	0.0118	0.312	0.0482	0.0000121	60.4	0.0000695	0.00208
2117 Jul	359	0.14	0.189	0.00448	34.9	0.0671	188	0.003	0.000747	0.00000587	0.0133	0.0118	0.312	0.0483	0.0000121	60.5	0.0000696	0.00208
2117 Aug	359	0.141	0.19	0.00449	35	0.0672	188	0.003	0.000748	0.00000587	0.0133	0.0118	0.313	0.0484	0.0000122	60.6	0.0000697	0.00208
2117 Sep	359	0.141	0.19	0.00449	35	0.0673	188	0.00301	0.000748	0.00000588	0.0133	0.0119	0.313	0.0484	0.0000122	60.6	0.0000698	0.00208
2117 Oct	360	0.14	0.189	0.00448	34.9	0.0672	189	0.00301	0.000747	0.00000587	0.0134	0.0119	0.313	0.0485	0.0000122	60.7	0.0000698	0.00209
2117 Nov	360	0.14	0.189	0.00447	34.9	0.0673	189	0.00301	0.000747	0.00000587	0.0134	0.0119	0.314	0.0485	0.0000122	60.7	0.0000698	0.00209
2117 Dec	360	0.14	0.189	0.00447	34.9	0.0673	189	0.00301	0.000747	0.00000587	0.0134	0.0119	0.314	0.0485	0.0000122	60.7	0.0000699	0.00209
2118 Jan	360	0.14	0.189	0.00447	34.9	0.0673	189	0.00301	0.000747	0.00000587	0.0134	0.0119	0.314	0.0485	0.0000122	60.7	0.0000699	0.00209
2118 Feb	360	0.14	0.189	0.00447	34.9	0.0673	189	0.00301	0.000747	0.00000587	0.0134	0.0119	0.314	0.0485	0.0000122	60.7	0.0000699	0.00209
2118 Mar	360	0.14	0.189	0.00447	34.9	0.0673	189	0.00301	0.000747	0.00000587	0.0134	0.0119	0.314	0.0485	0.0000122	60.7	0.0000699	0.00209
2118 Apr	360	0.14	0.189	0.00447	34.9	0.0673	189	0.00301	0.000747	0.00000587	0.0134	0.0119	0.314	0.0485	0.0000122	60.7	0.0000699	0.00209
2118 May	360	0.14	0.188	0.00446	34.9	0.0672	189	0.00301	0.000747	0.00000587	0.0134	0.0119	0.314	0.0485	0.0000122	60.8	0.0000699	0.00209
2118 Jun	360	0.139	0.187	0.00442	34.7	0.067	189	0.00301	0.000745	0.00000586	0.0134	0.0119	0.314	0.0485	0.0000122	60.7	0.0000698	0.00209
2118 Jul	361	0.139	0.187	0.00443	34.8	0.0672	189	0.00302	0.000747	0.00000588	0.0134	0.0119	0.315	0.0487	0.0000122	60.9	0.00007	0.00209
2118 Aug	361	0.139	0.187	0.00442	34.8	0.0672	189	0.00302	0.000747	0.00000588	0.0134	0.0119	0.315	0.0487	0.0000122	61	0.0000701	0.0021
2118 Sep	361	0.138	0.185	0.00439	34.7	0.0671	190	0.00302	0.000744	0.00000587	0.0134	0.012	0.316	0.0488	0.0000122	61.1	0.0000702	0.0021
2118 Oct	361	0.137	0.184	0.00436	34.6	0.067	190	0.00302	0.000742	0.00000586	0.0134	0.012	0.316	0.0488	0.0000122	61.1	0.0000703	0.00211
2118 Nov	361	0.137	0.184	0.00436	34.6	0.067	190	0.00302	0.000742	0.00000586	0.0134	0.012	0.316	0.0488	0.0000122	61.1	0.0000703	0.00211
2118 Dec	361	0.137	0.184	0.00436	34.6	0.067	190	0.00302	0.000742	0.00000586	0.0134	0.012	0.316	0.0488	0.0000122	61.1	0.0000703	0.00211
2119 Jan	361	0.137	0.184	0.00436	34.6	0.067	190	0.00302	0.000742	0.00000586	0.0134	0.012	0.316	0.0488	0.0000122	61.1	0.0000703	0.00211
2119 Feb	361	0.137	0.184	0.00436	34.6	0.067	190	0.00302	0.000742	0.00000586	0.0134	0.012	0.316	0.0488	0.0000122	61.1	0.0000703	0.00211
2119 Mar	361	0.137	0.184	0.00436	34.6	0.067	190	0.00302	0.000742	0.00000586	0.0134	0.012	0.316	0.0488	0.0000122	61.1	0.0000703	0.00211
2119 Apr	361	0.137	0.184	0.00436	34.6	0.067	190	0.00302	0.000742	0.00000586	0.0134	0.012	0.316	0.0489	0.0000122	61.1	0.0000703	0.00211
2119 May	361	0.137	0.183	0.00434	34.5	0.0669	190	0.00302	0.000741	0.00000585	0.0134	0.012	0.316	0.0489	0.0000122	61	0.0000702	0.0021
2119 Jun	361	0.136	0.182	0.00432	34.4	0.0668	190	0.00301	0.00074	0.00000585	0.0134	0.012	0.316	0.0489	0.0000122	61	0.0000702	0.0021
2119 Jul	362	0.137	0.182	0.00433	34.5	0.0669	190	0.00302	0.000742	0.00000586	0.0134	0.012	0.317	0.049	0.0000122	61.2	0.0000704	0.00211
2119 Aug	362	0.137	0.182	0.00433	34.5	0.067	191	0.00303	0.000743	0.00000587	0.0135	0.012	0.317	0.0491	0.0000123	61.3	0.0000705	0.00211
2119 Sep	362	0.136	0.182	0.00431	34.5	0.067	191	0.00303	0.000741	0.00000586	0.0135	0.012	0.318	0.0491	0.0000123	61.4	0.0000706	0.00212
2119 Oct	362	0.136	0.181	0.00429	34.4	0.0669	191	0.00303	0.00074	0.00000586	0.0135	0.012	0.318	0.0492	0.0000123	61.4	0.0000706	0.00212
2119 Nov	362	0.136	0.18	0.00429	34.3	0.0669	191	0.00303	0.00074	0.00000586	0.0135	0.012	0.318	0.0492	0.0000123	61.4	0.0000706	0.00212
2119 Dec	362	0.136	0.18	0.00429	34.3	0.0669	191	0.00303	0.00074	0.00000586	0.0135	0.012	0.318	0.0492	0.0000123	61.4	0.0000706	0.00212

Appendix D.3-2: TIRI Pit Lake

Constituents	**Chromium**	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Post Closure (2051-2119): Min	0.000231	0.00148	0.0552	0.00000938	4.04	6.61	0.0508	0.00111	33.1	0.00443	0.00786	0.000224	0.000735	0.000282	0.259	0.00000388	0.000763	0.000549	0.00168	0.0012
Post Closure (2051-2119): Mean	0.000401	0.00208	0.0792	0.000011	13.6	13.6	0.117	0.00516	33.7	0.00775	0.0131	0.000778	0.00166	0.000722	0.672	0.0000127	0.00285	0.000838	0.00223	0.00199
Post Closure (2051-2119): Max	0.000535	0.00256	0.0954	0.0000123	21.1	19	0.169	0.00823	34.3	0.0104	0.0135	0.0012	0.00238	0.00106	0.996	0.0000193	0.00449	0.00105	0.00259	0.0027
Water quality guideline for the protection of aquatic life	***0.005***	***variable***	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***variable***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Note: Calculation of mean excludes zero values; Values hig																				
Model Predictions																				
2051 Jan	0.000231	0.00148	0.0552	0.00000938	4.04	6.61	0.0508	0.00111	33.8	0.00443	0.00786	0.000224	0.000735	0.000282	0.259	0.00000388	0.000763	0.000549	0.00168	0.0012
2051 Feb	0.000231	0.00148	0.0552	0.00000938	4.04	6.61	0.0508	0.00111	33.8	0.00443	0.00786	0.000224	0.000735	0.000282	0.259	0.00000388	0.000763	0.000549	0.00168	0.0012
2051 Mar	0.000231	0.00148	0.0552	0.00000938	4.04	6.61	0.0509	0.00111	33.8	0.00443	0.00786	0.000224	0.000735	0.000282	0.259	0.00000388	0.000763	0.000549	0.00168	0.0012
2051 Apr	0.000231	0.00148	0.0552	0.00000938	4.04	6.61	0.0509	0.00111	33.8	0.00443	0.00786	0.000224	0.000736	0.000282	0.259	0.00000388	0.000764	0.000549	0.00168	0.0012
2051 May	0.000231	0.00148	0.0553	0.00000939	4.05	6.61	0.0509	0.00111	33.8	0.00443	0.00788	0.000225	0.000736	0.000283	0.259	0.00000388	0.000765	0.00055	0.00168	0.0012
2051 Jun	0.000233	0.00148	0.0555	0.00000938	4.19	6.69	0.0517	0.00117	33.6	0.00446	0.00878	0.000233	0.000747	0.000288	0.264	0.00000402	0.000795	0.000552	0.00168	0.00121
2051 Jul	0.000233	0.00148	0.0557	0.00000939	4.24	6.72	0.052	0.0012	33.5	0.00447	0.00911	0.000236	0.000752	0.00029	0.267	0.00000407	0.000807	0.000553	0.00169	0.00121
2051 Aug	0.000234	0.00148	0.0557	0.0000094	4.25	6.73	0.0521	0.0012	33.6	0.00448	0.00915	0.000236	0.000753	0.000291	0.267	0.00000408	0.000809	0.000553	0.00169	0.00121
2051 Sep	0.000234	0.00148	0.0558	0.00000939	4.31	6.77	0.0524	0.00122	33.5	0.00449	0.00939	0.000239	0.000758	0.000293	0.269	0.00000413	0.000822	0.000554	0.00169	0.00121
2051 Oct	0.000235	0.00149	0.0559	0.00000938	4.39	6.81	0.0528	0.00126	33.4	0.00451	0.00976	0.000244	0.000765	0.000297	0.273	0.0000042	0.00084	0.000555	0.00169	0.00121
2051 Nov	0.000235	0.00149	0.0559	0.00000938	4.4	6.82	0.0529	0.00126	33.4	0.00451	0.00979	0.000245	0.000765	0.000297	0.273	0.00000421	0.000842	0.000555	0.00169	0.00121
2051 Dec	0.000235	0.00149	0.0559	0.00000938	4.4	6.82	0.0529	0.00126	33.4	0.00451	0.00979	0.000245	0.000765	0.000297	0.273	0.00000421	0.000842	0.000555	0.00169	0.00121
2052 Jan	0.000235	0.00149	0.0559	0.00000938	4.4	6.82	0.0529	0.00126	33.4	0.00451	0.00979	0.000245	0.000765	0.000297	0.273	0.00000421	0.000842	0.000555	0.00169	0.00121
2052 Feb	0.000235	0.00149	0.0559	0.00000938	4.4	6.82	0.0529	0.00126	33.4	0.00451	0.00979	0.000245	0.000765	0.000297	0.273	0.00000421	0.000842	0.000555	0.00169	0.00121
2052 Mar	0.000235	0.00149	0.0559	0.00000938	4.4	6.82	0.0529	0.00126	33.4	0.00451	0.00979	0.000245	0.000765	0.000297	0.273	0.00000421	0.000842	0.000555	0.00169	0.00121
2052 Apr	0.000235	0.00149	0.0559	0.00000938	4.4	6.82	0.0529	0.00126	33.4	0.00451	0.00979	0.000245	0.000765	0.000297	0.273	0.00000421	0.000842	0.000555	0.00169	0.00122
2052 May	0.000235	0.00149	0.0559	0.00000939	4.4	6.82	0.0529	0.00126	33.4	0.00451	0.0098	0.000245	0.000766	0.000297	0.273	0.00000421	0.000843	0.000555	0.00169	0.00122
2052 Jun	0.000236	0.00149	0.0561	0.00000939	4.46	6.86	0.0533	0.00129	33.3	0.00453	0.0101	0.000249	0.000771	0.0003	0.275	0.00000427	0.000856	0.000557	0.0017	0.00122
2052 Jul	0.000236	0.00149	0.0562	0.0000094	4.48	6.87	0.0534	0.00129	33.4	0.00453	0.0101	0.00025	0.000772	0.0003	0.276	0.00000429	0.000858	0.000558	0.0017	0.00122
2052 Aug	0.000236	0.00149	0.0563	0.00000941	4.49	6.89	0.0535	0.0013	33.4	0.00454	0.0101	0.00025	0.000774	0.000301	0.277	0.0000043	0.000862	0.000558	0.0017	0.00122
2052 Sep	0.000237	0.00149	0.0564	0.00000941	4.52	6.91	0.0537	0.00131	33.4	0.00455	0.0102	0.000252	0.000777	0.000303	0.278	0.00000433	0.000869	0.000559	0.0017	0.00122
2052 Oct	0.000237	0.0015	0.0564	0.00000942	4.54	6.92	0.0539	0.00132	33.4	0.00456	0.0103	0.000253	0.000779	0.000303	0.279	0.00000435	0.000873	0.00056	0.00171	0.00122
2052 Nov	0.000237	0.0015	0.0564	0.00000942	4.54	6.92	0.0539	0.00132	33.4	0.00456	0.0103	0.000253	0.000779	0.000303	0.279	0.00000435	0.000874	0.00056	0.00171	0.00122
2052 Dec	0.000237	0.0015	0.0564	0.00000942	4.54	6.92	0.0539	0.00132	33.4	0.00456	0.0103	0.000253	0.000779	0.000303	0.279	0.00000435	0.000874	0.00056	0.00171	0.00122
2053 Jan	0.000237	0.0015	0.0564	0.00000942	4.54	6.92	0.0539	0.00132	33.4	0.00456	0.0103	0.000253	0.000779	0.000303	0.279	0.00000435	0.000874	0.00056	0.00171	0.00122
2053 Feb	0.000237	0.0015	0.0564	0.00000942	4.54	6.92	0.0539	0.00132	33.4	0.00456	0.0103	0.000253	0.000779	0.000303	0.279	0.00000435	0.000874	0.00056	0.00171	0.00122
2053 Mar	0.000237	0.0015	0.0564	0.00000942	4.55	6.92	0.0539	0.00132	33.4	0.00456	0.0103	0.000253	0.000779	0.000303	0.279	0.00000435	0.000874	0.00056	0.00171	0.00122
2053 Apr	0.000237	0.0015	0.0564	0.00000942	4.55	6.92	0.0539	0.00132	33.4	0.00456	0.0103	0.000253	0.000779	0.000304	0.279	0.00000435	0.000874	0.00056	0.00171	0.00122
2053 May	0.000238	0.0015	0.0565	0.00000943	4.58	6.95	0.0541	0.00134	33.4	0.00457	0.0104	0.000256	0.000783	0.000305	0.281	0.00000438	0.000881	0.000561	0.00171	0.00123
2053 Jun	0.00024	0.0015	0.0569	0.00000943	4.72	7.04	0.055	0.0014	33.3	0.00461	0.0108	0.000264	0.000794	0.000311	0.286	0.00000451	0.000912	0.000564	0.00171	0.00123
2053 Jul	0.000241	0.00151	0.057	0.00000944	4.75	7.07	0.0552	0.00141	33.3	0.00462	0.0109	0.000266	0.000798	0.000313	0.288	0.00000454	0.000919	0.000565	0.00172	0.00124
2053 Aug	0.000241	0.00151	0.0571	0.00000946	4.76	7.08	0.0554	0.00141	33.4	0.00463	0.0109	0.000267	0.0008	0.000313	0.288	0.00000455	0.000921	0.000567	0.00172	0.00124
2053 Sep	0.000241	0.00151	0.0572	0.00000947	4.77	7.09	0.0554	0.00142	33.4	0.00464	0.0109	0.000267	0.000801	0.000314	0.289	0.00000456	0.000923	0.000567	0.00172	0.00124
2053 Oct	0.000241	0.00151	0.0572	0.00000948	4.77	7.09	0.0555	0.00142	33.4	0.00464	0.0109	0.000267	0.000801	0.000314	0.289	0.00000456	0.000923	0.000567	0.00172	0.00124
2053 Nov	0.000241	0.00151	0.0572	0.00000948	4.77	7.09	0.0555	0.00142	33.4	0.00464	0.0109	0.000267	0.000801	0.000314	0.289	0.00000456	0.000923	0.000567	0.00172	0.00124
2053 Dec	0.000241	0.00151	0.0572	0.00000948	4.77	7.09	0.0555	0.00142	33.4	0.00464	0.0109	0.000267	0.000801	0.000314	0.289	0.00000456	0.000923	0.000567	0.00172	0.00124
2054 Jan	0.000241	0.00151	0.0572	0.00000948	4.77	7.09	0.0555	0.00142	33.4	0.00464	0.0109	0.000267	0.000801	0.000314	0.289	0.00000456	0.000923	0.000567	0.00172	0.00124
2054 Feb	0.000241	0.00151	0.0572	0.00000948	4.77	7.09	0.0555	0.00142	33.4	0.00464	0.0109	0.000267	0.000801	0.000314	0.289	0.00000456	0.000923	0.000567	0.00172	0.00124
2054 Mar	0.000241	0.00151	0.0572	0.00000948	4.77	7.09	0.0555	0.00142	33.4	0.00464	0.0109	0.000267	0.000801	0.000314	0.289	0.00000456	0.000923	0.000567	0.00172	0.00124
2054 Apr	0.000241	0.00151	0.0572	0.00000948	4.77	7.09	0.0555	0.00142	33.4	0.00464	0.0109	0.000267	0.000802	0.000314	0.289	0.00000456	0.000923	0.000568	0.00172	0.00124
2054 May	0.000242	0.00151	0.0573	0.00000948	4.78	7.1	0.0555	0.00142	33.5	0.00464	0.0109	0.000268	0.000802	0.000314	0.289	0.00000456	0.000924	0.000568	0.00173	0.00124
2054 Jun	0.000243	0.00152	0.0575	0.00000948	4.9	7.18	0.0563	0.00147	33.4	0.00468	0.0111	0.000275	0.000813	0.00032	0.294	0.00000467	0.000952	0.000571	0.00173	0.00125
2054 Jul	0.000244	0.00152	0.0577	0.00000949	4.97	7.23	0.0567	0.0015	33.4	0.0047	0.0112	0.000279	0.000819	0.000323	0.297	0.00000474	0.000967	0.000573	0.00173	0.00125
2054 Aug	0.000245	0.00152	0.0577	0.0000095	5	7.25	0.0569	0.00151	33.4	0.00471	0.0113	0.00028	0.000822	0.000324	0.298	0.00000476	0.000972	0.000573	0.00174	0.00125
2054 Sep	0.000245	0.00152	0.0578	0.00000951	5.03	7.27	0.0571	0.00152	33.4	0.00472	0.0113	0.000282	0.000825	0.000325	0.3	0.00000479	0.000979	0.000574	0.00174	0.00126
2054 Oct	0.000246	0.00153	0.0579	0.00000951	5.06	7.29	0.0574	0.00154	33.4	0.00473	0.0114	0.000284	0.000829	0.000327	0.301	0.00000482	0.000987	0.000575	0.00174	0.00126
2054 Nov	0.000246	0.00153	0.0579	0.00000951	5.08	7.3	0.0575	0.00154	33.4	0.00473	0.0114	0.000285	0.00083	0.000327	0.302	0.00000483	0.00099	0.000575	0.00174	0.00126
2054 Dec	0.000246	0.00153	0.0579	0.00000951	5.08	7.3	0.0575	0.00154	33.4	0.00473	0.0114	0.000285	0.00083	0.000327	0.302	0.00000483	0.00099	0.000575	0.00174	0.00126
2055 Jan	0.000246	0.00153	0.0579	0.00000951	5.08	7.3	0.0575	0.00154	33.4	0.00473	0.0114	0.000285	0.00083	0.000327	0.302	0.00000483	0.00099	0.000575	0.00174	0.00126
2055 Feb	0.000246	0.00153	0.0579	0.00000951	5.08	7.3	0.0575	0.00154	33.4	0.00473	0.0114	0.000285	0.00083	0.000327	0.302	0.00000483	0.00099	0.000575	0.00174	0.00126
2055 Mar	0.000246	0.00153	0.0579	0.00000951	5.08	7.3	0.0575	0.00154	33.4	0.00474	0.0114	0.000285	0.00083	0.000327	0.302	0.00000483	0.00099	0.000575	0.00174	0.00126
2055 Apr	0.000246	0.00153	0.0579	0.00000951	5.08	7.3	0.0575	0.00154	33.4	0.00474	0.0114	0.000285	0.00083	0.000327	0.302	0.00000483	0.00099	0.000576	0.00174	0.00126
2055 May	0.000246	0.00153	0.0579	0.00000952	5.08	7.31	0.0575	0.00155	33.4	0.00474	0.0114	0.000285	0.00083	0.000328	0.302	0.00000484	0.000991	0.000576	0.00174	0.00126
2055 Jun	0.000248	0.00153	0.0582	0.00000952	5.23	7.4	0.0584	0.00161	33.3	0.00478	0.0116	0.000293	0.000843	0.000334	0.308	0.00000498	0.00102	0.000579	0.00175	0.00127
2055 Jul	0.000249	0.00154	0.0584	0.00000954	5.31	7.47	0.059	0.00165	33.3	0.00481	0.0118	0.000298	0.000852	0.000338	0.312	0.00000506	0.00104	0.000581	0.00175	0.00127
2055 Aug	0.00025	0.00154	0.0585	0.00000955	5.32	7.48	0.0591	0.00165	33.4	0.00481	0.0118	0.000299	0.000853	0.000338	0.312	0.00000507	0.00104	0.000582	0.00176	0.00128
2055 Sep	0.00025	0.00154	0.0585	0.00000956	5.32	7.48	0.0591	0.00165	33.4	0.00481	0.0118	0.000299	0.000853	0.000338	0.312	0.00000507	0.00104	0.000582	0.00176	0.00128
2055 Oct	0.00025	0.00154	0.0585	0.00000956	5.33	7.48	0.0591	0.00165	33.4	0.00482	0.0118	0.000299	0.000854	0.000339	0.312	0.00000507	0.00104	0.000583	0.00176	0.00128
2055 Nov	0.00025	0.00154	0.0585	0.00000956	5.33	7.48	0.0591	0.00165	33.4	0.00482	0.0118	0.000299	0.000854	0.000339	0.312	0.00000507	0.00104	0.000583	0.00176	0.00128
2055 Dec	0.00025	0.00154	0.0585	0.00000956	5.33	7.48	0.0591	0.00165	33.4	0.00482	0.0118	0.000299	0.000854	0.000339	0.312	0.00000507	0.00104	0.000583	0.00176	0.00128
2056 Jan	0.00025	0.00154	0.0585	0.00000956	5.33	7.48	0.0591	0.00165	33.4	0.00482	0.0118	0.000299	0.000854	0.000339	0.312	0.00000507	0.00104	0.000583	0.00176	0.00128
2056 Feb	0.00025	0.00154	0.0585	0.00000956	5.33	7.48	0.0591	0.00165	33.4	0.00482	0.0118	0.000299	0.000854	0.000339	0.312	0.00000507	0.00104	0.000583	0.00176	0.00128

Appendix D.3-2: TIRI Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2056 Mar	0.00025	0.00154	0.0585	0.00000956	5.33	7.48	0.0591	0.00165	33.4	0.00482	0.0118	0.000299	0.000854	0.000339	0.313	0.00000507	0.00104	0.000583	0.00176	0.00128
2056 Apr	0.00025	0.00154	0.0585	0.00000956	5.33	7.49	0.0591	0.00165	33.4	0.00482	0.0118	0.000299	0.000854	0.000339	0.313	0.00000507	0.00104	0.000583	0.00176	0.00128
2056 May	0.000251	0.00154	0.0586	0.00000957	5.35	7.5	0.0593	0.00166	33.4	0.00483	0.0118	0.0003	0.000856	0.00034	0.313	0.00000509	0.00105	0.000584	0.00176	0.00128
2056 Jun	0.000253	0.00155	0.059	0.00000957	5.49	7.6	0.0602	0.00173	33.3	0.00487	0.012	0.000309	0.000869	0.000346	0.319	0.00000524	0.00108	0.000587	0.00177	0.00129
2056 Jul	0.000253	0.00155	0.0591	0.00000959	5.52	7.62	0.0604	0.00174	33.4	0.00488	0.012	0.000311	0.000872	0.000347	0.32	0.00000527	0.00108	0.000589	0.00177	0.00129
2056 Aug	0.000254	0.00155	0.0592	0.0000096	5.52	7.63	0.0605	0.00174	33.4	0.00488	0.012	0.000311	0.000873	0.000348	0.321	0.00000527	0.00109	0.000589	0.00177	0.00129
2056 Sep	0.000254	0.00156	0.0592	0.00000961	5.53	7.64	0.0606	0.00174	33.4	0.00489	0.0121	0.000311	0.000874	0.000348	0.321	0.00000528	0.00109	0.00059	0.00177	0.00129
2056 Oct	0.000254	0.00156	0.0593	0.00000961	5.57	7.66	0.0608	0.00176	33.4	0.0049	0.0121	0.000313	0.000877	0.00035	0.323	0.00000532	0.0011	0.000591	0.00178	0.0013
2056 Nov	0.000255	0.00156	0.0593	0.00000962	5.58	7.67	0.0609	0.00176	33.4	0.00491	0.0121	0.000314	0.000878	0.000351	0.323	0.00000532	0.0011	0.000591	0.00178	0.0013
2056 Dec	0.000255	0.00156	0.0593	0.00000962	5.58	7.67	0.0609	0.00176	33.4	0.00491	0.0121	0.000314	0.000878	0.000351	0.323	0.00000532	0.0011	0.000591	0.00178	0.0013
2057 Jan	0.000255	0.00156	0.0593	0.00000962	5.58	7.67	0.0609	0.00176	33.4	0.00491	0.0121	0.000314	0.000878	0.000351	0.323	0.00000532	0.0011	0.000591	0.00178	0.0013
2057 Feb	0.000255	0.00156	0.0593	0.00000962	5.58	7.67	0.0609	0.00176	33.4	0.00491	0.0121	0.000314	0.000878	0.000351	0.323	0.00000532	0.0011	0.000591	0.00178	0.0013
2057 Mar	0.000255	0.00156	0.0593	0.00000962	5.58	7.67	0.0609	0.00176	33.4	0.00491	0.0121	0.000314	0.000878	0.000351	0.323	0.00000532	0.0011	0.000591	0.00178	0.0013
2057 Apr	0.000255	0.00156	0.0593	0.00000962	5.58	7.67	0.0609	0.00176	33.4	0.00491	0.0121	0.000314	0.000878	0.000351	0.323	0.00000533	0.0011	0.000591	0.00178	0.0013
2057 May	0.000255	0.00156	0.0593	0.00000962	5.58	7.68	0.0609	0.00176	33.4	0.00491	0.0121	0.000314	0.000879	0.000351	0.324	0.00000533	0.0011	0.000591	0.00178	0.0013
2057 Jun	0.000257	0.00157	0.0597	0.00000963	5.74	7.78	0.0619	0.00183	33.4	0.00496	0.0122	0.000323	0.000893	0.000358	0.33	0.00000548	0.00113	0.000595	0.00178	0.00131
2057 Jul	0.000258	0.00157	0.0598	0.00000965	5.78	7.81	0.0622	0.00185	33.4	0.00497	0.0123	0.000326	0.000897	0.00036	0.332	0.00000552	0.00114	0.000597	0.00179	0.00131
2057 Aug	0.000259	0.00157	0.06	0.00000967	5.79	7.84	0.0624	0.00185	33.5	0.00499	0.0123	0.000326	0.000899	0.000361	0.333	0.00000554	0.00114	0.000599	0.00179	0.00131
2057 Sep	0.000259	0.00158	0.06	0.00000968	5.8	7.84	0.0625	0.00185	33.5	0.00499	0.0123	0.000327	0.0009	0.000361	0.333	0.00000554	0.00115	0.000599	0.0018	0.00132
2057 Oct	0.000259	0.00158	0.06	0.00000968	5.8	7.84	0.0625	0.00185	33.5	0.00499	0.0123	0.000327	0.0009	0.000361	0.333	0.00000554	0.00115	0.000599	0.0018	0.00132
2057 Nov	0.000259	0.00158	0.06	0.00000968	5.8	7.84	0.0625	0.00185	33.5	0.00499	0.0123	0.000327	0.0009	0.000361	0.333	0.00000554	0.00115	0.000599	0.0018	0.00132
2057 Dec	0.000259	0.00158	0.06	0.00000968	5.8	7.84	0.0625	0.00185	33.5	0.00499	0.0123	0.000327	0.0009	0.000361	0.333	0.00000554	0.00115	0.000599	0.0018	0.00132
2058 Jan	0.000259	0.00158	0.06	0.00000968	5.8	7.84	0.0625	0.00185	33.5	0.00499	0.0123	0.000327	0.0009	0.000361	0.333	0.00000554	0.00115	0.000599	0.0018	0.00132
2058 Feb	0.000259	0.00158	0.06	0.00000968	5.8	7.84	0.0625	0.00185	33.5	0.00499	0.0123	0.000327	0.0009	0.000361	0.333	0.00000554	0.00115	0.000599	0.0018	0.00132
2058 Mar	0.000259	0.00158	0.06	0.00000968	5.8	7.84	0.0625	0.00185	33.5	0.00499	0.0123	0.000327	0.0009	0.000361	0.333	0.00000554	0.00115	0.000599	0.0018	0.00132
2058 Apr	0.000259	0.00158	0.06	0.00000968	5.8	7.84	0.0625	0.00185	33.5	0.00499	0.0123	0.000327	0.000901	0.000361	0.333	0.00000554	0.00115	0.000599	0.0018	0.00132
2058 May	0.00026	0.00158	0.0602	0.00000969	5.84	7.88	0.0628	0.00187	33.6	0.00501	0.0124	0.000329	0.000905	0.000363	0.335	0.00000558	0.00115	0.000601	0.0018	0.00132
2058 Jun	0.000264	0.00159	0.0607	0.00000971	6.12	8.07	0.0646	0.00199	33.5	0.00509	0.0125	0.000345	0.000931	0.000375	0.347	0.00000583	0.00122	0.000608	0.00181	0.00134
2058 Jul	0.000265	0.0016	0.0609	0.00000973	6.17	8.11	0.065	0.00201	33.5	0.00511	0.0126	0.000348	0.000936	0.000378	0.349	0.00000587	0.00123	0.00061	0.00182	0.00134
2058 Aug	0.000266	0.0016	0.061	0.00000975	6.18	8.12	0.0651	0.00201	33.6	0.00512	0.0126	0.000349	0.000938	0.000378	0.349	0.00000588	0.00123	0.000611	0.00182	0.00135
2058 Sep	0.000266	0.0016	0.061	0.00000975	6.2	8.13	0.0652	0.00202	33.6	0.00513	0.0126	0.00035	0.000939	0.000379	0.35	0.0000059	0.00123	0.000612	0.00182	0.00135
2058 Oct	0.000267	0.0016	0.0611	0.00000976	6.24	8.16	0.0655	0.00203	33.6	0.00514	0.0126	0.000352	0.000943	0.000381	0.352	0.00000593	0.00124	0.000612	0.00182	0.00135
2058 Nov	0.000267	0.0016	0.0611	0.00000976	6.24	8.17	0.0655	0.00204	33.6	0.00515	0.0126	0.000352	0.000944	0.000381	0.352	0.00000593	0.00124	0.000613	0.00182	0.00135
2058 Dec	0.000267	0.0016	0.0611	0.00000976	6.24	8.17	0.0655	0.00204	33.6	0.00515	0.0126	0.000352	0.000944	0.000381	0.352	0.00000593	0.00124	0.000613	0.00182	0.00135
2059 Jan	0.000267	0.0016	0.0611	0.00000976	6.24	8.17	0.0655	0.00204	33.6	0.00515	0.0126	0.000352	0.000944	0.000381	0.352	0.00000593	0.00124	0.000613	0.00182	0.00135
2059 Feb	0.000267	0.0016	0.0611	0.00000976	6.24	8.17	0.0655	0.00204	33.6	0.00515	0.0126	0.000352	0.000944	0.000381	0.352	0.00000593	0.00124	0.000613	0.00182	0.00135
2059 Mar	0.000267	0.0016	0.0611	0.00000976	6.24	8.17	0.0655	0.00204	33.6	0.00515	0.0126	0.000352	0.000944	0.000381	0.352	0.00000593	0.00124	0.000613	0.00182	0.00135
2059 Apr	0.000267	0.0016	0.0611	0.00000976	6.24	8.17	0.0655	0.00204	33.6	0.00515	0.0126	0.000352	0.000944	0.000381	0.352	0.00000593	0.00124	0.000613	0.00182	0.00135
2059 May	0.000267	0.00161	0.0611	0.00000977	6.26	8.18	0.0657	0.00204	33.6	0.00515	0.0126	0.000353	0.000946	0.000382	0.353	0.00000595	0.00125	0.000614	0.00182	0.00135
2059 Jun	0.000269	0.00161	0.0615	0.00000979	6.38	8.27	0.0665	0.00209	33.6	0.00519	0.0127	0.00036	0.000957	0.000387	0.358	0.00000606	0.00127	0.000617	0.00183	0.00136
2059 Jul	0.00027	0.00162	0.0616	0.00000981	6.4	8.29	0.0667	0.0021	33.7	0.00521	0.0127	0.000361	0.00096	0.000389	0.359	0.00000608	0.00128	0.000619	0.00184	0.00137
2059 Aug	0.000271	0.00162	0.0618	0.00000983	6.41	8.31	0.0668	0.0021	33.8	0.00522	0.0128	0.000362	0.000962	0.000389	0.36	0.00000609	0.00128	0.00062	0.00184	0.00137
2059 Sep	0.000271	0.00162	0.0618	0.00000984	6.42	8.31	0.0669	0.0021	33.8	0.00522	0.0128	0.000362	0.000962	0.00039	0.36	0.00000609	0.00128	0.000621	0.00184	0.00137
2059 Oct	0.000271	0.00162	0.0617	0.00000983	6.42	8.31	0.0668	0.00211	33.7	0.00522	0.0128	0.000363	0.000962	0.00039	0.36	0.00000609	0.00128	0.00062	0.00184	0.00137
2059 Nov	0.000271	0.00162	0.0617	0.00000983	6.43	8.32	0.0669	0.00211	33.7	0.00522	0.0128	0.000363	0.000963	0.00039	0.36	0.0000061	0.00128	0.00062	0.00184	0.00137
2059 Dec	0.000271	0.00162	0.0617	0.00000983	6.43	8.32	0.0669	0.00211	33.7	0.00522	0.0128	0.000363	0.000963	0.00039	0.36	0.0000061	0.00128	0.00062	0.00184	0.00137
2060 Jan	0.000271	0.00162	0.0617	0.00000983	6.43	8.32	0.0669	0.00211	33.7	0.00522	0.0128	0.000363	0.000963	0.00039	0.36	0.0000061	0.00128	0.00062	0.00184	0.00137
2060 Feb	0.000271	0.00162	0.0617	0.00000983	6.43	8.32	0.0669	0.00211	33.7	0.00522	0.0128	0.000363	0.000963	0.00039	0.36	0.0000061	0.00128	0.00062	0.00184	0.00137
2060 Mar	0.000271	0.00162	0.0617	0.00000983	6.43	8.32	0.0669	0.00211	33.7	0.00522	0.0128	0.000363	0.000963	0.00039	0.36	0.0000061	0.00128	0.00062	0.00184	0.00137
2060 Apr	0.000271	0.00162	0.0618	0.00000983	6.43	8.32	0.0669	0.00211	33.7	0.00522	0.0128	0.000363	0.000963	0.00039	0.361	0.0000061	0.00128	0.00062	0.00184	0.00137
2060 May	0.000272	0.00162	0.0619	0.00000984	6.48	8.36	0.0673	0.00213	33.7	0.00524	0.0128	0.000366	0.000968	0.000393	0.363	0.00000615	0.00129	0.000622	0.00184	0.00137
2060 Jun	0.000275	0.00163	0.0624	0.00000987	6.66	8.49	0.0686	0.00221	33.7	0.0053	0.0129	0.000377	0.000986	0.000401	0.371	0.00000632	0.00133	0.000628	0.00185	0.00139
2060 Jul	0.000276	0.00164	0.0626	0.00000989	6.7	8.52	0.0689	0.00222	33.8	0.00532	0.0129	0.000379	0.00099	0.000403	0.372	0.00000635	0.00134	0.00063	0.00186	0.00139
2060 Aug	0.000277	0.00164	0.0627	0.00000991	6.71	8.54	0.069	0.00223	33.9	0.00533	0.0129	0.00038	0.000992	0.000404	0.373	0.00000637	0.00134	0.000631	0.00186	0.00139
2060 Sep	0.000278	0.00165	0.0628	0.00000991	6.81	8.6	0.0696	0.00227	33.8	0.00536	0.0129	0.000385	0.001	0.000408	0.377	0.00000645	0.00136	0.000633	0.00186	0.0014
2060 Oct	0.000279	0.00165	0.0629	0.00000992	6.86	8.64	0.07	0.00229	33.8	0.00538	0.013	0.000388	0.00101	0.00041	0.379	0.0000065	0.00138	0.000635	0.00187	0.00141
2060 Nov	0.000279	0.00165	0.0629	0.00000992	6.88	8.65	0.0701	0.0023	33.8	0.00539	0.013	0.000389	0.00101	0.000411	0.38	0.00000651	0.00138	0.000635	0.00187	0.00141
2060 Dec	0.000279	0.00165	0.0629	0.00000992	6.88	8.65	0.0701	0.0023	33.8	0.00539	0.013	0.000389	0.00101	0.000411	0.38	0.00000651	0.00138	0.000635	0.00187	0.00141
2061 Jan	0.000279	0.00165	0.0629	0.00000992	6.88	8.65	0.0701	0.0023	33.8	0.00539	0.013	0.000389	0.00101	0.000411	0.38	0.00000651	0.00138	0.000635	0.00187	0.00141
2061 Feb	0.000279	0.00165	0.0629	0.00000992	6.88	8.65	0.0701	0.0023	33.8	0.00539	0.013	0.000389	0.00101	0.000411	0.38	0.00000651	0.00138	0.000635	0.00187	0.00141
2061 Mar	0.000279	0.00165	0.0629	0.00000992	6.88	8.65	0.0701	0.0023	33.8	0.00539	0.013	0.000389	0.00101	0.000411	0.38	0.00000651	0.00138	0.000635	0.00187	0.00141
2061 Apr	0.000279	0.00165	0.0629	0.00000992	6.88	8.66	0.0701	0.0023	33.8	0.00539	0.013	0.000389	0.00101	0.000411	0.38	0.00000651	0.00138	0.000635	0.00187	0.00141
2061 May	0.00028	0.00166	0.0631	0.00000994	6.94	8.7	0.0705	0.00232	33.9	0.00541	0.013	0.000393	0.00101	0.000414	0.383	0.00000657	0.00139	0.000637	0.00187	0.00141
2061 Jun	0.000284	0.00167	0.0637	0.00000995	7.16	8.86	0.0721	0.00241	33.8	0.00548	0.013	0.000407	0.00103	0.000424	0.392	0.00000676	0.00144	0.000644	0.00188	0.00143
2061 Jul	0.000285	0.00167	0.0639	0.00000998	7.2	8.89	0.0724	0.00243	33.9	0.0055	0.0131	0.000409	0.00104	0.000426	0.394	0.0000068	0.00145	0.000646	0.00189	0.00143
2061 Aug	0.000286	0.00168	0.064	0.00001	7.22	8.91	0.0726	0.00243	33.9	0.00551	0.0131	0.00041	0.00104	0.000427	0.395	0.00000681	0.00145	0.000647	0.00189	0.00144
2061 Sep	0.000286	0.00168	0.0641	0.00001	7.22	8.92	0.0726	0.00243	34	0.00551	0.0131	0.00041	0.00104	0.000427	0.395	0.00000681	0.00145	0.000647	0.00189	0.00144
2061 Oct	0.000287	0.00168	0.0641	0.00001	7.27	8.95	0.0729	0.00246	33.9	0.00553	0.0131	0.000413	0.00105	0.000429	0.398	0.00000686	0.00147	0.000648	0.00189	0.00144
2061 Nov	0.000287	0.00168	0.0641	0.00001	7.31	8.98	0.0731	0.00247	33.9	0.00554	0.0131	0.000415	0.00105	0.000431	0.399	0.00000688	0.00147	0.000649	0.00189	0.00144
2061 Dec	0.000287	0.00168	0.0641	0.00001	7.31	8.98	0.0731	0.00247	33.9	0.00554	0.0131	0.000415	0.00105	0.000431	0.399	0.00000688	0.00147	0.000649	0.00189	0.00144
2062 Jan	0.000287	0.00168	0.0641	0.00001	7.31	8.98	0.0731	0.00247	33.9	0.00554	0.0131	0.000415	0.00105	0.000431	0.399	0.00000688	0.00147	0.000649	0.00189	0.00144

Appendix D.3-2: TIRI Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2062 Feb	0.000287	0.00168	0.0641	0.00001	7.31	8.98	0.0731	0.00247	33.9	0.00554	0.0131	0.000415	0.00105	0.000431	0.399	0.00000688	0.00147	0.000649	0.00189	0.00144
2062 Mar	0.000287	0.00168	0.0641	0.00001	7.31	8.98	0.0731	0.00247	33.9	0.00554	0.0131	0.000415	0.00105	0.000431	0.399	0.00000689	0.00147	0.000649	0.00189	0.00144
2062 Apr	0.000287	0.00168	0.0641	0.00001	7.31	8.98	0.0732	0.00247	33.9	0.00555	0.0131	0.000415	0.00105	0.000431	0.399	0.00000689	0.00147	0.000649	0.0019	0.00144
2062 May	0.000287	0.00168	0.0641	0.00001	7.31	8.98	0.0732	0.00247	33.9	0.00555	0.0131	0.000415	0.00105	0.000431	0.399	0.00000689	0.00148	0.00065	0.0019	0.00145
2062 Jun	0.00029	0.00169	0.0644	0.00001	7.45	9.08	0.0741	0.00253	33.9	0.00559	0.0132	0.000423	0.00106	0.000437	0.405	0.00000701	0.0015	0.000653	0.0019	0.00145
2062 Jul	0.000291	0.0017	0.0647	0.00001	7.55	9.15	0.0748	0.00257	33.9	0.00563	0.0132	0.000429	0.00107	0.000442	0.41	0.0000071	0.00153	0.000657	0.00191	0.00146
2062 Aug	0.000292	0.0017	0.0648	0.0000101	7.6	9.19	0.0751	0.00259	33.9	0.00564	0.0132	0.000431	0.00108	0.000444	0.411	0.00000714	0.00154	0.000658	0.00191	0.00147
2062 Sep	0.000293	0.0017	0.0649	0.0000101	7.68	9.25	0.0756	0.00262	33.9	0.00567	0.0132	0.000436	0.00109	0.000448	0.415	0.00000721	0.00156	0.00066	0.00192	0.00147
2062 Oct	0.000296	0.00171	0.0651	0.0000101	7.84	9.35	0.0766	0.00269	33.9	0.00572	0.0132	0.000445	0.0011	0.000455	0.422	0.00000734	0.00159	0.000663	0.00192	0.00148
2062 Nov	0.000296	0.00171	0.0651	0.0000101	7.84	9.36	0.0767	0.00269	33.9	0.00572	0.0132	0.000445	0.0011	0.000455	0.422	0.00000734	0.00159	0.000663	0.00192	0.00148
2062 Dec	0.000296	0.00171	0.0651	0.0000101	7.85	9.36	0.0767	0.00269	33.9	0.00572	0.0132	0.000445	0.0011	0.000455	0.422	0.00000734	0.00159	0.000663	0.00192	0.00148
2063 Jan	0.000296	0.00171	0.0651	0.0000101	7.85	9.36	0.0767	0.00269	33.9	0.00572	0.0132	0.000445	0.0011	0.000455	0.422	0.00000734	0.00159	0.000664	0.00192	0.00148
2063 Feb	0.000296	0.00171	0.0651	0.0000101	7.85	9.36	0.0767	0.00269	33.9	0.00572	0.0132	0.000445	0.0011	0.000455	0.422	0.00000734	0.00159	0.000664	0.00192	0.00148
2063 Mar	0.000296	0.00171	0.0651	0.0000101	7.85	9.36	0.0767	0.00269	33.9	0.00573	0.0132	0.000445	0.0011	0.000455	0.422	0.00000734	0.00159	0.000664	0.00192	0.00148
2063 Apr	0.000296	0.00171	0.0651	0.0000101	7.85	9.36	0.0767	0.00269	33.9	0.00573	0.0132	0.000445	0.0011	0.000455	0.422	0.00000734	0.00159	0.000664	0.00192	0.00148
2063 May	0.000296	0.00171	0.0652	0.0000101	7.87	9.37	0.0768	0.0027	33.9	0.00573	0.0132	0.000447	0.0011	0.000456	0.423	0.00000736	0.0016	0.000664	0.00192	0.00149
2063 Jun	0.000299	0.00172	0.0657	0.0000101	8.07	9.51	0.0782	0.00279	33.7	0.00579	0.0132	0.00046	0.00112	0.000465	0.432	0.00000754	0.00164	0.000669	0.00193	0.0015
2063 Jul	0.0003	0.00172	0.0659	0.0000101	8.13	9.54	0.0786	0.00281	33.7	0.0058	0.0132	0.000463	0.00113	0.000467	0.434	0.00000759	0.00166	0.000671	0.00193	0.0015
2063 Aug	0.000301	0.00173	0.066	0.0000101	8.16	9.57	0.0788	0.00282	33.8	0.00582	0.0132	0.000465	0.00113	0.000469	0.435	0.00000762	0.00166	0.000673	0.00194	0.0015
2063 Sep	0.000302	0.00173	0.0661	0.0000101	8.19	9.6	0.0791	0.00283	33.8	0.00583	0.0132	0.000467	0.00113	0.00047	0.437	0.00000765	0.00167	0.000674	0.00194	0.00151
2063 Oct	0.000302	0.00173	0.0661	0.0000101	8.23	9.62	0.0793	0.00285	33.7	0.00584	0.0132	0.000469	0.00114	0.000472	0.438	0.00000768	0.00168	0.000674	0.00194	0.00151
2063 Nov	0.000302	0.00173	0.0661	0.0000101	8.23	9.63	0.0793	0.00285	33.7	0.00585	0.0132	0.000469	0.00114	0.000472	0.439	0.00000768	0.00168	0.000675	0.00194	0.00151
2063 Dec	0.000302	0.00173	0.0661	0.0000101	8.24	9.63	0.0793	0.00285	33.7	0.00585	0.0132	0.000469	0.00114	0.000472	0.439	0.00000768	0.00168	0.000675	0.00194	0.00151
2064 Jan	0.000302	0.00173	0.0661	0.0000101	8.24	9.63	0.0793	0.00285	33.7	0.00585	0.0132	0.000469	0.00114	0.000472	0.439	0.00000768	0.00168	0.000675	0.00194	0.00151
2064 Feb	0.000302	0.00173	0.0661	0.0000101	8.24	9.63	0.0793	0.00285	33.7	0.00585	0.0132	0.000469	0.00114	0.000472	0.439	0.00000768	0.00168	0.000675	0.00194	0.00151
2064 Mar	0.000302	0.00173	0.0661	0.0000101	8.24	9.63	0.0793	0.00285	33.7	0.00585	0.0132	0.000469	0.00114	0.000472	0.439	0.00000768	0.00168	0.000675	0.00194	0.00151
2064 Apr	0.000302	0.00173	0.0661	0.0000101	8.24	9.63	0.0793	0.00285	33.7	0.00585	0.0132	0.000469	0.00114	0.000472	0.439	0.00000768	0.00168	0.000675	0.00194	0.00151
2064 May	0.000303	0.00173	0.0663	0.0000101	8.27	9.66	0.0796	0.00287	33.7	0.00586	0.0132	0.000471	0.00114	0.000474	0.44	0.00000772	0.00169	0.000676	0.00194	0.00151
2064 Jun	0.000306	0.00174	0.0667	0.0000101	8.43	9.75	0.0806	0.00293	33.6	0.0059	0.0132	0.000481	0.00115	0.000481	0.447	0.00000785	0.00172	0.00068	0.00195	0.00152
2064 Jul	0.000306	0.00174	0.0668	0.0000101	8.45	9.77	0.0808	0.00294	33.7	0.00591	0.0132	0.000482	0.00116	0.000482	0.448	0.00000787	0.00173	0.000681	0.00195	0.00152
2064 Aug	0.000307	0.00174	0.0669	0.0000101	8.48	9.8	0.0811	0.00295	33.7	0.00592	0.0132	0.000484	0.00116	0.000483	0.449	0.0000079	0.00173	0.000682	0.00195	0.00153
2064 Sep	0.000308	0.00175	0.067	0.0000101	8.55	9.85	0.0815	0.00298	33.6	0.00595	0.0132	0.000488	0.00117	0.000486	0.452	0.00000795	0.00175	0.000684	0.00195	0.00153
2064 Oct	0.000308	0.00175	0.067	0.0000101	8.57	9.86	0.0816	0.00299	33.7	0.00595	0.0132	0.000489	0.00117	0.000487	0.453	0.00000797	0.00175	0.000684	0.00196	0.00153
2064 Nov	0.000308	0.00175	0.067	0.0000101	8.57	9.87	0.0817	0.00299	33.7	0.00596	0.0132	0.000489	0.00117	0.000487	0.453	0.00000797	0.00175	0.000684	0.00196	0.00153
2064 Dec	0.000308	0.00175	0.067	0.0000101	8.57	9.87	0.0817	0.00299	33.7	0.00596	0.0132	0.000489	0.00117	0.000487	0.453	0.00000797	0.00175	0.000684	0.00196	0.00153
2065 Jan	0.000308	0.00175	0.067	0.0000101	8.57	9.87	0.0817	0.00299	33.7	0.00596	0.0132	0.000489	0.00117	0.000487	0.453	0.00000797	0.00175	0.000684	0.00196	0.00153
2065 Feb	0.000308	0.00175	0.067	0.0000101	8.57	9.87	0.0817	0.00299	33.7	0.00596	0.0132	0.000489	0.00117	0.000487	0.453	0.00000797	0.00175	0.000684	0.00196	0.00153
2065 Mar	0.000308	0.00175	0.067	0.0000101	8.57	9.87	0.0817	0.00299	33.7	0.00596	0.0132	0.000489	0.00117	0.000487	0.453	0.00000797	0.00175	0.000684	0.00196	0.00153
2065 Apr	0.000308	0.00175	0.067	0.0000101	8.57	9.87	0.0817	0.00299	33.7	0.00596	0.0132	0.00049	0.00117	0.000487	0.453	0.00000797	0.00175	0.000685	0.00196	0.00153
2065 May	0.000309	0.00175	0.0671	0.0000102	8.6	9.88	0.0818	0.003	33.7	0.00597	0.0132	0.000491	0.00117	0.000488	0.454	0.00000799	0.00176	0.000685	0.00196	0.00154
2065 Jun	0.000311	0.00176	0.0674	0.0000102	8.72	9.96	0.0827	0.00305	33.6	0.006	0.0132	0.000499	0.00118	0.000494	0.459	0.00000809	0.00178	0.000689	0.00196	0.00154
2065 Jul	0.000312	0.00176	0.0677	0.0000102	8.76	10	0.083	0.00306	33.7	0.00602	0.0132	0.000501	0.00119	0.000496	0.461	0.00000813	0.00179	0.000691	0.00197	0.00155
2065 Aug	0.000313	0.00177	0.0678	0.0000102	8.78	10	0.0832	0.00307	33.7	0.00603	0.0133	0.000502	0.00119	0.000497	0.462	0.00000815	0.0018	0.000692	0.00197	0.00155
2065 Sep	0.000313	0.00177	0.0678	0.0000102	8.81	10	0.0834	0.00308	33.7	0.00604	0.0133	0.000504	0.00119	0.000498	0.464	0.00000817	0.00181	0.000693	0.00197	0.00155
2065 Oct	0.000315	0.00177	0.0679	0.0000102	8.93	10.1	0.0841	0.00313	33.6	0.00608	0.0132	0.000511	0.0012	0.000503	0.469	0.00000826	0.00183	0.000695	0.00197	0.00156
2065 Nov	0.000315	0.00177	0.0679	0.0000102	8.95	10.1	0.0842	0.00314	33.6	0.00608	0.0132	0.000512	0.00121	0.000504	0.469	0.00000828	0.00184	0.000695	0.00197	0.00156
2065 Dec	0.000315	0.00177	0.0679	0.0000102	8.95	10.1	0.0842	0.00314	33.6	0.00608	0.0132	0.000512	0.00121	0.000504	0.469	0.00000828	0.00184	0.000695	0.00197	0.00156
2066 Jan	0.000315	0.00177	0.0679	0.0000102	8.95	10.1	0.0842	0.00314	33.6	0.00608	0.0132	0.000512	0.00121	0.000504	0.469	0.00000828	0.00184	0.000695	0.00197	0.00156
2066 Feb	0.000315	0.00177	0.0679	0.0000102	8.95	10.1	0.0842	0.00314	33.6	0.00608	0.0132	0.000512	0.00121	0.000504	0.469	0.00000828	0.00184	0.000695	0.00197	0.00156
2066 Mar	0.000315	0.00177	0.0679	0.0000102	8.95	10.1	0.0842	0.00314	33.6	0.00608	0.0132	0.000512	0.00121	0.000504	0.469	0.00000828	0.00184	0.000695	0.00197	0.00156
2066 Apr	0.000315	0.00177	0.0679	0.0000102	8.95	10.1	0.0842	0.00314	33.6	0.00608	0.0132	0.000512	0.00121	0.000504	0.47	0.00000828	0.00184	0.000695	0.00197	0.00156
2066 May	0.000315	0.00177	0.068	0.0000102	8.96	10.1	0.0843	0.00314	33.7	0.00609	0.0132	0.000512	0.00121	0.000505	0.47	0.00000828	0.00184	0.000696	0.00198	0.00156
2066 Jun	0.000317	0.00178	0.0683	0.0000102	9.08	10.2	0.0851	0.00319	33.6	0.00612	0.0132	0.00052	0.00122	0.00051	0.475	0.00000839	0.00187	0.000699	0.00198	0.00157
2066 Jul	0.000318	0.00178	0.0685	0.0000102	9.14	10.3	0.0855	0.00321	33.6	0.00615	0.0132	0.000523	0.00122	0.000513	0.478	0.00000844	0.00188	0.000701	0.00199	0.00158
2066 Aug	0.000319	0.00179	0.0686	0.0000102	9.16	10.3	0.0857	0.00322	33.7	0.00616	0.0133	0.000524	0.00123	0.000514	0.478	0.00000846	0.00188	0.000703	0.00199	0.00158
2066 Sep	0.000319	0.00179	0.0686	0.0000102	9.16	10.3	0.0857	0.00322	33.7	0.00616	0.0133	0.000524	0.00123	0.000514	0.479	0.00000846	0.00188	0.000703	0.00199	0.00158
2066 Oct	0.000319	0.00179	0.0686	0.0000102	9.17	10.3	0.0858	0.00323	33.7	0.00616	0.0133	0.000525	0.00123	0.000514	0.479	0.00000847	0.00189	0.000703	0.00199	0.00158
2066 Nov	0.000319	0.00179	0.0686	0.0000102	9.19	10.3	0.0859	0.00323	33.7	0.00617	0.0133	0.000526	0.00123	0.000515	0.48	0.00000849	0.00189	0.000703	0.00199	0.00158
2066 Dec	0.000319	0.00179	0.0686	0.0000102	9.19	10.3	0.0859	0.00323	33.7	0.00617	0.0133	0.000526	0.00123	0.000515	0.48	0.00000849	0.00189	0.000703	0.00199	0.00158
2067 Jan	0.000319	0.00179	0.0686	0.0000102	9.19	10.3	0.0859	0.00323	33.7	0.00617	0.0133	0.000526	0.00123	0.000515	0.48	0.00000849	0.00189	0.000703	0.00199	0.00158
2067 Feb	0.000319	0.00179	0.0686	0.0000102	9.19	10.3	0.0859	0.00323	33.7	0.00617	0.0133	0.000526	0.00123	0.000515	0.48	0.00000849	0.00189	0.000703	0.00199	0.00158
2067 Mar	0.000319	0.00179	0.0686	0.0000102	9.19	10.3	0.0859	0.00323	33.7	0.00617	0.0133	0.000526	0.00123	0.000515	0.48	0.00000849	0.00189	0.000703	0.00199	0.00158
2067 Apr	0.000319	0.00179	0.0686	0.0000102	9.19	10.3	0.0859	0.00323	33.7	0.00617	0.0133	0.000526	0.00123	0.000515	0.48	0.00000849	0.00189	0.000703	0.00199	0.00158
2067 May	0.00032	0.00179	0.0687	0.0000103	9.21	10.3	0.0861	0.00324	33.7	0.00618	0.0133	0.000527	0.00123	0.000516	0.481	0.0000085	0.00189	0.000704	0.00199	0.00158
2067 Jun	0.000322	0.0018	0.069	0.0000103	9.31	10.4	0.0868	0.00329	33.6	0.00621	0.0132	0.000533	0.00124	0.000521	0.485	0.0000086	0.00192	0.000707	0.002	0.00159
2067 Jul	0.000323	0.0018	0.0692	0.0000103	9.34	10.4	0.0871	0.0033	33.7	0.00623	0.0133	0.000535	0.00124	0.000522	0.487	0.00000863	0.00192	0.000709	0.002	0.0016
2067 Aug	0.000323	0.0018	0.0693	0.0000103	9.36	10.4	0.0872	0.0033	33.8	0.00623	0.0133	0.000536	0.00125	0.000523	0.487	0.00000864	0.00192	0.00071	0.002	0.0016
2067 Sep	0.000323	0.0018	0.0693	0.0000103	9.36	10.5	0.0872	0.0033	33.8	0.00624	0.0133	0.000536	0.00125	0.000523	0.488	0.00000864	0.00193	0.00071	0.002	0.0016
2067 Oct	0.000324	0.00181	0.0693	0.0000103	9.43	10.5	0.0876	0.00333	33.7	0.00626	0.0133	0.00054	0.00125	0.000526	0.49	0.0000087	0.00194	0.000711	0.00201	0.0016
2067 Nov	0.000324	0.00181	0.0693	0.0000103	9.45	10.5	0.0877	0.00334	33.7	0.00627	0.0133	0.000541	0.00125	0.000527	0.491	0.00000872	0.00195	0.000712	0.00201	0.00161
2067 Dec	0.000324	0.00181	0.0693	0.0000103	9.45	10.5	0.0878	0.00334	33.7	0.00627	0.0133	0.000541	0.00125	0.000527	0.491	0.00000872	0.00195	0.000712	0.00201	0.00161
2068 Jan	0.000324	0.00181	0.0694	0.0000103	9.45	10.5	0.0878	0.00334	33.7	0.00627	0.0133	0.000541	0.00125	0.000527	0.491	0.00000872	0.00195	0.000712	0.00201	0.00161

Appendix D.3-2: TIRI Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2068 Feb	0.000324	0.00181	0.0694	0.0000103	9.45	10.5	0.0878	0.00334	33.7	0.00627	0.0133	0.000541	0.00125	0.000527	0.491	0.00000872	0.00195	0.000712	0.00201	0.00161
2068 Mar	0.000324	0.00181	0.0694	0.0000103	9.45	10.5	0.0878	0.00334	33.8	0.00627	0.0133	0.000541	0.00125	0.000527	0.491	0.00000872	0.00195	0.000712	0.00201	0.00161
2068 Apr	0.000324	0.00181	0.0694	0.0000103	9.45	10.5	0.0878	0.00334	33.8	0.00627	0.0133	0.000541	0.00126	0.000527	0.491	0.00000872	0.00195	0.000712	0.00201	0.00161
2068 May	0.000325	0.00181	0.0695	0.0000103	9.48	10.5	0.088	0.00335	33.8	0.00628	0.0133	0.000542	0.00126	0.000529	0.493	0.00000875	0.00195	0.000713	0.00201	0.00161
2068 Jun	0.000328	0.00182	0.0699	0.0000103	9.67	10.7	0.0893	0.00344	33.6	0.00633	0.0132	0.000554	0.00127	0.000537	0.5	0.00000894	0.00199	0.000718	0.00201	0.00162
2068 Jul	0.000329	0.00182	0.0701	0.0000103	9.71	10.7	0.0896	0.00345	33.7	0.00634	0.0133	0.000556	0.00128	0.000539	0.502	0.00000897	0.002	0.000719	0.00202	0.00162
2068 Aug	0.00033	0.00183	0.0703	0.0000104	9.73	10.7	0.0898	0.00346	33.8	0.00636	0.0133	0.000558	0.00128	0.00054	0.503	0.00000899	0.00201	0.000721	0.00202	0.00163
2068 Sep	0.00033	0.00183	0.0703	0.0000104	9.74	10.7	0.0899	0.00347	33.8	0.00636	0.0133	0.000558	0.00128	0.000541	0.504	0.000009	0.00201	0.000721	0.00202	0.00163
2068 Oct	0.00033	0.00183	0.0703	0.0000104	9.76	10.7	0.09	0.00347	33.8	0.00637	0.0133	0.000559	0.00128	0.000541	0.505	0.00000902	0.00201	0.000722	0.00202	0.00163
2068 Nov	0.00033	0.00183	0.0703	0.0000104	9.76	10.7	0.09	0.00347	33.8	0.00637	0.0133	0.000559	0.00128	0.000542	0.505	0.00000902	0.00201	0.000722	0.00203	0.00163
2068 Dec	0.00033	0.00183	0.0703	0.0000104	9.76	10.7	0.09	0.00347	33.8	0.00637	0.0133	0.000559	0.00128	0.000542	0.505	0.00000902	0.00201	0.000722	0.00203	0.00163
2069 Jan	0.00033	0.00183	0.0703	0.0000104	9.76	10.7	0.09	0.00347	33.8	0.00637	0.0133	0.000559	0.00128	0.000542	0.505	0.00000902	0.00201	0.000722	0.00203	0.00163
2069 Feb	0.00033	0.00183	0.0703	0.0000104	9.76	10.7	0.09	0.00347	33.8	0.00637	0.0133	0.000559	0.00128	0.000542	0.505	0.00000902	0.00201	0.000722	0.00203	0.00163
2069 Mar	0.00033	0.00183	0.0703	0.0000104	9.76	10.7	0.09	0.00347	33.8	0.00637	0.0133	0.000559	0.00128	0.000542	0.505	0.00000902	0.00201	0.000722	0.00203	0.00163
2069 Apr	0.00033	0.00183	0.0703	0.0000104	9.76	10.7	0.09	0.00347	33.8	0.00637	0.0133	0.000559	0.00128	0.000542	0.505	0.00000902	0.00201	0.000722	0.00203	0.00163
2069 May	0.000331	0.00183	0.0704	0.0000104	9.77	10.7	0.0901	0.00348	33.8	0.00638	0.0133	0.00056	0.00129	0.000542	0.505	0.00000903	0.00201	0.000723	0.00203	0.00163
2069 Jun	0.000332	0.00183	0.0706	0.0000104	9.88	10.8	0.0909	0.00353	33.8	0.00641	0.0133	0.000567	0.0013	0.000547	0.51	0.00000914	0.00204	0.000726	0.00203	0.00164
2069 Jul	0.000334	0.00184	0.0708	0.0000104	9.94	10.9	0.0913	0.00355	33.8	0.00643	0.0133	0.00057	0.0013	0.00055	0.512	0.0000092	0.00205	0.000728	0.00204	0.00165
2069 Aug	0.000334	0.00184	0.0709	0.0000104	9.95	10.9	0.0914	0.00356	33.8	0.00644	0.0133	0.00057	0.0013	0.000551	0.513	0.00000921	0.00205	0.000729	0.00204	0.00165
2069 Sep	0.000335	0.00184	0.071	0.0000104	10	10.9	0.0917	0.00358	33.8	0.00646	0.0133	0.000573	0.00131	0.000553	0.515	0.00000926	0.00207	0.00073	0.00204	0.00165
2069 Oct	0.000336	0.00185	0.071	0.0000104	10.1	11	0.0924	0.00362	33.8	0.00649	0.0133	0.000579	0.00132	0.000558	0.52	0.00000935	0.00209	0.000732	0.00204	0.00166
2069 Nov	0.000336	0.00185	0.0711	0.0000104	10.1	11	0.0925	0.00363	33.8	0.0065	0.0133	0.00058	0.00132	0.000558	0.52	0.00000937	0.00209	0.000732	0.00205	0.00166
2069 Dec	0.000336	0.00185	0.0711	0.0000104	10.1	11	0.0925	0.00363	33.8	0.0065	0.0133	0.00058	0.00132	0.000558	0.52	0.00000937	0.00209	0.000732	0.00205	0.00166
2070 Jan	0.000336	0.00185	0.0711	0.0000104	10.1	11	0.0925	0.00363	33.8	0.0065	0.0133	0.00058	0.00132	0.000558	0.52	0.00000937	0.00209	0.000732	0.00205	0.00166
2070 Feb	0.000336	0.00185	0.0711	0.0000104	10.1	11	0.0925	0.00363	33.8	0.0065	0.0133	0.00058	0.00132	0.000558	0.52	0.00000937	0.00209	0.000732	0.00205	0.00166
2070 Mar	0.000336	0.00185	0.0711	0.0000104	10.1	11	0.0925	0.00363	33.8	0.0065	0.0133	0.00058	0.00132	0.000559	0.52	0.00000937	0.00209	0.000732	0.00205	0.00166
2070 Apr	0.000337	0.00185	0.0711	0.0000104	10.1	11	0.0925	0.00363	33.8	0.0065	0.0133	0.00058	0.00132	0.000559	0.52	0.00000937	0.00209	0.000733	0.00205	0.00166
2070 May	0.000337	0.00185	0.0712	0.0000104	10.1	11	0.0926	0.00364	33.8	0.0065	0.0133	0.000581	0.00132	0.000559	0.521	0.00000939	0.0021	0.000733	0.00205	0.00166
2070 Jun	0.000338	0.00185	0.0714	0.0000104	10.2	11.1	0.0932	0.00368	33.7	0.00653	0.0133	0.000586	0.00133	0.000563	0.524	0.00000947	0.00211	0.000735	0.00205	0.00167
2070 Jul	0.000339	0.00186	0.0716	0.0000105	10.2	11.1	0.0934	0.00369	33.8	0.00654	0.0133	0.000587	0.00133	0.000564	0.526	0.0000095	0.00212	0.000737	0.00205	0.00167
2070 Aug	0.00034	0.00186	0.0717	0.0000105	10.3	11.1	0.0936	0.00369	33.9	0.00655	0.0133	0.000588	0.00133	0.000565	0.526	0.00000951	0.00212	0.000738	0.00206	0.00167
2070 Sep	0.00034	0.00186	0.0717	0.0000105	10.3	11.2	0.0939	0.00372	33.8	0.00657	0.0133	0.000591	0.00134	0.000568	0.529	0.00000956	0.00213	0.000739	0.00206	0.00168
2070 Oct	0.000341	0.00187	0.0718	0.0000105	10.4	11.2	0.0943	0.00374	33.8	0.00658	0.0133	0.000594	0.00134	0.00057	0.531	0.00000962	0.00214	0.00074	0.00206	0.00168
2070 Nov	0.000341	0.00187	0.0718	0.0000105	10.4	11.2	0.0943	0.00374	33.8	0.00659	0.0133	0.000595	0.00134	0.00057	0.531	0.00000962	0.00215	0.000741	0.00206	0.00168
2070 Dec	0.000341	0.00187	0.0718	0.0000105	10.4	11.2	0.0943	0.00374	33.8	0.00659	0.0133	0.000595	0.00134	0.00057	0.531	0.00000962	0.00215	0.000741	0.00206	0.00168
2071 Jan	0.000341	0.00187	0.0718	0.0000105	10.4	11.2	0.0943	0.00374	33.8	0.00659	0.0133	0.000595	0.00134	0.00057	0.531	0.00000962	0.00215	0.000741	0.00206	0.00168
2071 Feb	0.000341	0.00187	0.0718	0.0000105	10.4	11.2	0.0943	0.00374	33.8	0.00659	0.0133	0.000595	0.00134	0.00057	0.531	0.00000962	0.00215	0.000741	0.00206	0.00168
2071 Mar	0.000341	0.00187	0.0718	0.0000105	10.4	11.2	0.0943	0.00374	33.8	0.00659	0.0133	0.000595	0.00134	0.00057	0.531	0.00000962	0.00215	0.000741	0.00206	0.00168
2071 Apr	0.000341	0.00187	0.0718	0.0000105	10.4	11.2	0.0943	0.00374	33.8	0.00659	0.0133	0.000595	0.00134	0.000571	0.531	0.00000962	0.00215	0.000741	0.00206	0.00168
2071 May	0.000342	0.00187	0.0719	0.0000105	10.4	11.2	0.0945	0.00375	33.8	0.00659	0.0133	0.000596	0.00135	0.000572	0.532	0.00000965	0.00215	0.000741	0.00206	0.00168
2071 Jun	0.000344	0.00187	0.0722	0.0000105	10.5	11.3	0.0952	0.00381	33.7	0.00662	0.0133	0.000603	0.00136	0.000576	0.537	0.00000977	0.00217	0.000744	0.00207	0.00169
2071 Jul	0.000344	0.00188	0.0724	0.0000105	10.6	11.3	0.0955	0.00382	33.7	0.00664	0.0133	0.000605	0.00136	0.000578	0.538	0.00000981	0.00218	0.000746	0.00207	0.00169
2071 Aug	0.000345	0.00188	0.0725	0.0000105	10.6	11.3	0.0957	0.00383	33.8	0.00665	0.0133	0.000606	0.00136	0.000579	0.539	0.00000983	0.00219	0.000747	0.00207	0.0017
2071 Sep	0.000346	0.00188	0.0725	0.0000105	10.6	11.4	0.0959	0.00385	33.8	0.00666	0.0133	0.000608	0.00136	0.000581	0.541	0.00000986	0.00219	0.000748	0.00207	0.0017
2071 Oct	0.000346	0.00188	0.0726	0.0000105	10.6	11.4	0.0962	0.00386	33.7	0.00667	0.0133	0.00061	0.00137	0.000583	0.542	0.0000099	0.0022	0.000748	0.00207	0.0017
2071 Nov	0.000346	0.00188	0.0726	0.0000105	10.7	11.4	0.0962	0.00387	33.7	0.00668	0.0133	0.000611	0.00137	0.000583	0.543	0.00000991	0.0022	0.000749	0.00208	0.0017
2071 Dec	0.000346	0.00188	0.0726	0.0000105	10.7	11.4	0.0963	0.00387	33.7	0.00668	0.0133	0.000611	0.00137	0.000583	0.543	0.00000991	0.0022	0.000749	0.00208	0.0017
2072 Jan	0.000346	0.00188	0.0726	0.0000105	10.7	11.4	0.0963	0.00387	33.7	0.00668	0.0133	0.000611	0.00137	0.000583	0.543	0.00000991	0.0022	0.000749	0.00208	0.0017
2072 Feb	0.000346	0.00188	0.0726	0.0000105	10.7	11.4	0.0963	0.00387	33.7	0.00668	0.0133	0.000611	0.00137	0.000583	0.543	0.00000991	0.0022	0.000749	0.00208	0.0017
2072 Mar	0.000346	0.00188	0.0726	0.0000105	10.7	11.4	0.0963	0.00387	33.7	0.00668	0.0133	0.000611	0.00137	0.000583	0.543	0.00000991	0.00221	0.000749	0.00208	0.0017
2072 Apr	0.000346	0.00188	0.0726	0.0000105	10.7	11.4	0.0963	0.00387	33.7	0.00668	0.0133	0.000611	0.00137	0.000583	0.543	0.00000991	0.00221	0.000749	0.00208	0.0017
2072 May	0.000347	0.00188	0.0726	0.0000105	10.7	11.4	0.0963	0.00387	33.8	0.00668	0.0133	0.000611	0.00137	0.000584	0.543	0.00000992	0.00221	0.000749	0.00208	0.0017
2072 Jun	0.000347	0.00189	0.0728	0.0000105	10.7	11.4	0.0966	0.0039	33.7	0.00669	0.0133	0.000614	0.00137	0.000586	0.545	0.00000998	0.00222	0.000751	0.00208	0.00171
2072 Jul	0.000348	0.00189	0.0729	0.0000105	10.7	11.5	0.0969	0.00391	33.8	0.00671	0.0133	0.000616	0.00138	0.000587	0.547	0.00001	0.00222	0.000752	0.00208	0.00171
2072 Aug	0.000349	0.00189	0.073	0.0000105	10.8	11.5	0.0974	0.00395	33.8	0.00673	0.0133	0.00062	0.00138	0.000591	0.55	0.0000101	0.00224	0.000754	0.00209	0.00172
2072 Sep	0.00035	0.0019	0.0731	0.0000106	10.9	11.6	0.0978	0.00398	33.7	0.00676	0.0133	0.000624	0.00139	0.000594	0.553	0.0000102	0.00225	0.000755	0.00209	0.00172
2072 Oct	0.000351	0.0019	0.0731	0.0000105	10.9	11.6	0.0981	0.004	33.7	0.00677	0.0133	0.000626	0.00139	0.000596	0.554	0.0000102	0.00226	0.000756	0.00209	0.00172
2072 Nov	0.000351	0.0019	0.0732	0.0000105	10.9	11.6	0.0982	0.00401	33.7	0.00677	0.0133	0.000627	0.0014	0.000596	0.555	0.0000102	0.00227	0.000756	0.00209	0.00172
2072 Dec	0.000351	0.0019	0.0732	0.0000105	10.9	11.6	0.0982	0.00401	33.7	0.00677	0.0133	0.000627	0.0014	0.000596	0.555	0.0000102	0.00227	0.000756	0.00209	0.00172
2073 Jan	0.000351	0.0019	0.0732	0.0000105	10.9	11.6	0.0982	0.00401	33.7	0.00677	0.0133	0.000627	0.0014	0.000596	0.555	0.0000102	0.00227	0.000756	0.00209	0.00172
2073 Feb	0.000351	0.0019	0.0732	0.0000105	10.9	11.6	0.0982	0.00401	33.7	0.00677	0.0133	0.000627	0.0014	0.000596	0.555	0.0000102	0.00227	0.000756	0.00209	0.00172
2073 Mar	0.000351	0.0019	0.0732	0.0000105	10.9	11.6	0.0982	0.00401	33.7	0.00677	0.0133	0.000627	0.0014	0.000596	0.555	0.0000102	0.00227	0.000756	0.00209	0.00172
2073 Apr	0.000351	0.0019	0.0732	0.0000105	10.9	11.6	0.0982	0.00401	33.7	0.00677	0.0133	0.000627	0.0014	0.000597	0.555	0.0000102	0.00227	0.000756	0.00209	0.00173
2073 May	0.000352	0.0019	0.0733	0.0000106	11	11.6	0.0984	0.00402	33.7	0.00678	0.0133	0.000629	0.0014	0.000598	0.556	0.0000103	0.00227	0.000758	0.00209	0.00173
2073 Jun	0.000353	0.0019	0.0735	0.0000106	11.1	11.7	0.099	0.00406	33.6	0.00681	0.0133	0.000634	0.00141	0.000602	0.56	0.0000104	0.00229	0.00076	0.0021	0.00173
2073 Jul	0.000354	0.00191	0.0737	0.0000106	11.1	11.7	0.0993	0.00408	33.7	0.00682	0.0133	0.000636	0.00141	0.000604	0.561	0.0000104	0.0023	0.000761	0.0021	0.00174
2073 Aug	0.000354	0.00191	0.0738	0.0000106	11.1	11.7	0.0995	0.00408	33.7	0.00683	0.0133	0.000637	0.00141	0.000605	0.562	0.0000104	0.0023	0.000762	0.0021	0.00174
2073 Sep	0.000355	0.00191	0.0738	0.0000106	11.2	11.8	0.0997	0.0041	33.7	0.00685	0.0133	0.000639	0.00142	0.000607	0.564	0.0000104	0.00231	0.000763	0.0021	0.00174
2073 Oct	0.000356	0.00192	0.0738	0.0000106	11.2	11.8	0.1	0.00413	33.7	0.00686	0.0133	0.000642	0.00142	0.000609	0.566	0.0000105	0.00232	0.000764	0.00211	0.00175
2073 Nov	0.000356	0.00192	0.0738	0.0000106	11.2	11.8	0.1	0.00413	33.7	0.00687	0.0133	0.000643	0.00142	0.00061	0.567	0.0000105	0.00233	0.000764	0.00211	0.00175
2073 Dec	0.000356	0.00192	0.0738	0.0000106	11.2	11.8	0.1	0.00413	33.7	0.00687	0.0133	0.000643	0.00142	0.00061	0.567	0.0000105	0.00233	0.000764	0.00211	0.00175
2074 Jan	0.000356	0.00192	0.0738	0.0000106	11.2	11.8	0.1	0.00413	33.7	0.00687	0.0133	0.000643	0.00142	0.00061	0.567	0.0000105	0.00233	0.000764	0.00211	0.00175

Appendix D.3-2: TIRI Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2074 Feb	0.000356	0.00192	0.0738	0.0000106	11.2	11.8	0.1	0.00413	33.7	0.00687	0.0133	0.000643	0.00142	0.00061	0.567	0.0000105	0.00233	0.000764	0.00211	0.00175
2074 Mar	0.000356	0.00192	0.0738	0.0000106	11.2	11.8	0.1	0.00413	33.7	0.00687	0.0133	0.000643	0.00142	0.00061	0.567	0.0000105	0.00233	0.000764	0.00211	0.00175
2074 Apr	0.000356	0.00192	0.0739	0.0000106	11.2	11.8	0.1	0.00413	33.7	0.00687	0.0133	0.000643	0.00142	0.00061	0.567	0.0000105	0.00233	0.000765	0.00211	0.00175
2074 May	0.000357	0.00192	0.074	0.0000106	11.3	11.8	0.101	0.00416	33.7	0.00689	0.0133	0.000646	0.00143	0.000612	0.569	0.0000106	0.00234	0.000766	0.00211	0.00175
2074 Jun	0.000359	0.00192	0.0743	0.0000106	11.4	11.9	0.101	0.00421	33.5	0.00692	0.0132	0.000654	0.00144	0.000618	0.574	0.0000107	0.00237	0.000769	0.00211	0.00176
2074 Jul	0.00036	0.00193	0.0745	0.0000106	11.4	12	0.102	0.00423	33.6	0.00694	0.0133	0.000656	0.00144	0.00062	0.576	0.0000107	0.00237	0.000771	0.00212	0.00176
2074 Aug	0.000361	0.00193	0.0747	0.0000106	11.5	12	0.102	0.00424	33.7	0.00695	0.0133	0.000658	0.00145	0.000621	0.577	0.0000107	0.00238	0.000773	0.00212	0.00177
2074 Sep	0.000361	0.00193	0.0747	0.0000106	11.5	12	0.102	0.00425	33.7	0.00696	0.0133	0.000659	0.00145	0.000622	0.579	0.0000108	0.00239	0.000773	0.00212	0.00177
2074 Oct	0.000362	0.00194	0.0747	0.0000106	11.5	12	0.102	0.00427	33.6	0.00698	0.0133	0.000662	0.00145	0.000625	0.581	0.0000108	0.0024	0.000775	0.00212	0.00178
2074 Nov	0.000362	0.00194	0.0747	0.0000106	11.6	12.1	0.103	0.00428	33.6	0.00699	0.0133	0.000663	0.00146	0.000626	0.582	0.0000108	0.0024	0.000775	0.00212	0.00178
2074 Dec	0.000362	0.00194	0.0747	0.0000106	11.6	12.1	0.103	0.00428	33.6	0.00699	0.0133	0.000664	0.00146	0.000626	0.582	0.0000108	0.0024	0.000775	0.00212	0.00178
2075 Jan	0.000362	0.00194	0.0747	0.0000106	11.6	12.1	0.103	0.00428	33.6	0.00699	0.0133	0.000664	0.00146	0.000626	0.582	0.0000108	0.0024	0.000775	0.00212	0.00178
2075 Feb	0.000362	0.00194	0.0747	0.0000106	11.6	12.1	0.103	0.00428	33.6	0.00699	0.0133	0.000664	0.00146	0.000626	0.582	0.0000108	0.0024	0.000775	0.00212	0.00178
2075 Mar	0.000362	0.00194	0.0747	0.0000106	11.6	12.1	0.103	0.00428	33.6	0.00699	0.0133	0.000664	0.00146	0.000626	0.582	0.0000108	0.0024	0.000775	0.00212	0.00178
2075 Apr	0.000363	0.00194	0.0747	0.0000106	11.6	12.1	0.103	0.00428	33.7	0.00699	0.0133	0.000664	0.00146	0.000626	0.582	0.0000108	0.0024	0.000775	0.00212	0.00178
2075 May	0.000363	0.00194	0.0748	0.0000106	11.6	12.1	0.103	0.00429	33.7	0.007	0.0133	0.000664	0.00146	0.000627	0.583	0.0000109	0.00241	0.000776	0.00213	0.00178
2075 Jun	0.000364	0.00194	0.0749	0.0000106	11.7	12.1	0.103	0.00433	33.6	0.00703	0.0133	0.00067	0.00147	0.000631	0.587	0.0000109	0.00243	0.000778	0.00213	0.00179
2075 Jul	0.000365	0.00195	0.0751	0.0000107	11.7	12.2	0.104	0.00436	33.6	0.00705	0.0133	0.000673	0.00147	0.000634	0.589	0.000011	0.00244	0.00078	0.00213	0.00179
2075 Aug	0.000366	0.00195	0.0752	0.0000107	11.8	12.2	0.104	0.00436	33.7	0.00706	0.0133	0.000674	0.00147	0.000635	0.59	0.000011	0.00244	0.000781	0.00214	0.00179
2075 Sep	0.000366	0.00195	0.0752	0.0000107	11.8	12.2	0.104	0.00436	33.7	0.00706	0.0133	0.000675	0.00148	0.000635	0.59	0.000011	0.00245	0.000781	0.00214	0.00179
2075 Oct	0.000366	0.00195	0.0752	0.0000107	11.8	12.2	0.104	0.00437	33.7	0.00707	0.0133	0.000675	0.00148	0.000636	0.591	0.000011	0.00245	0.000782	0.00214	0.0018
2075 Nov	0.000366	0.00195	0.0752	0.0000107	11.8	12.2	0.104	0.00437	33.7	0.00707	0.0133	0.000676	0.00148	0.000636	0.591	0.000011	0.00245	0.000782	0.00214	0.0018
2075 Dec	0.000366	0.00195	0.0752	0.0000107	11.8	12.2	0.104	0.00437	33.7	0.00707	0.0133	0.000676	0.00148	0.000636	0.591	0.000011	0.00245	0.000782	0.00214	0.0018
2076 Jan	0.000366	0.00195	0.0752	0.0000107	11.8	12.2	0.104	0.00437	33.7	0.00707	0.0133	0.000676	0.00148	0.000636	0.591	0.000011	0.00245	0.000782	0.00214	0.0018
2076 Feb	0.000366	0.00195	0.0752	0.0000107	11.8	12.2	0.104	0.00437	33.7	0.00707	0.0133	0.000676	0.00148	0.000636	0.591	0.000011	0.00245	0.000782	0.00214	0.0018
2076 Mar	0.000366	0.00195	0.0752	0.0000107	11.8	12.2	0.104	0.00437	33.7	0.00707	0.0133	0.000676	0.00148	0.000636	0.591	0.000011	0.00245	0.000782	0.00214	0.0018
2076 Apr	0.000366	0.00195	0.0752	0.0000107	11.8	12.2	0.104	0.00437	33.7	0.00707	0.0133	0.000676	0.00148	0.000636	0.591	0.000011	0.00245	0.000782	0.00214	0.0018
2076 May	0.000367	0.00196	0.0753	0.0000107	11.8	12.2	0.104	0.00438	33.7	0.00708	0.0133	0.000677	0.00148	0.000637	0.592	0.0000111	0.00245	0.000783	0.00214	0.0018
2076 Jun	0.000368	0.00196	0.0756	0.0000107	11.9	12.3	0.105	0.00443	33.6	0.0071	0.0133	0.000683	0.00149	0.000642	0.597	0.0000112	0.00248	0.000785	0.00214	0.0018
2076 Jul	0.000369	0.00196	0.0757	0.0000107	12	12.3	0.105	0.00445	33.6	0.00712	0.0133	0.000686	0.00149	0.000644	0.598	0.0000112	0.00249	0.000787	0.00215	0.00181
2076 Aug	0.00037	0.00197	0.0759	0.0000107	12	12.4	0.106	0.00446	33.7	0.00713	0.0133	0.000687	0.0015	0.000645	0.6	0.0000112	0.00249	0.000788	0.00215	0.00181
2076 Sep	0.00037	0.00197	0.0759	0.0000107	12	12.4	0.106	0.00446	33.7	0.00714	0.0133	0.000688	0.0015	0.000645	0.6	0.0000112	0.00249	0.000789	0.00215	0.00181
2076 Oct	0.000371	0.00197	0.0759	0.0000107	12	12.4	0.106	0.00448	33.7	0.00715	0.0133	0.000689	0.0015	0.000647	0.601	0.0000113	0.0025	0.000789	0.00215	0.00182
2076 Nov	0.000371	0.00197	0.0759	0.0000107	12	12.4	0.106	0.00448	33.7	0.00715	0.0133	0.00069	0.0015	0.000647	0.602	0.0000113	0.0025	0.00079	0.00215	0.00182
2076 Dec	0.000371	0.00197	0.0759	0.0000107	12	12.4	0.106	0.00448	33.7	0.00715	0.0133	0.00069	0.0015	0.000647	0.602	0.0000113	0.0025	0.00079	0.00215	0.00182
2077 Jan	0.000371	0.00197	0.0759	0.0000107	12	12.4	0.106	0.00448	33.7	0.00715	0.0133	0.00069	0.0015	0.000647	0.602	0.0000113	0.0025	0.00079	0.00215	0.00182
2077 Feb	0.000371	0.00197	0.0759	0.0000107	12	12.4	0.106	0.00448	33.7	0.00715	0.0133	0.00069	0.0015	0.000647	0.602	0.0000113	0.0025	0.00079	0.00215	0.00182
2077 Mar	0.000371	0.00197	0.0759	0.0000107	12	12.4	0.106	0.00448	33.7	0.00715	0.0133	0.00069	0.0015	0.000647	0.602	0.0000113	0.0025	0.00079	0.00215	0.00182
2077 Apr	0.000371	0.00197	0.0759	0.0000107	12	12.4	0.106	0.00448	33.7	0.00715	0.0133	0.00069	0.0015	0.000647	0.602	0.0000113	0.0025	0.00079	0.00215	0.00182
2077 May	0.000371	0.00197	0.076	0.0000107	12.1	12.4	0.106	0.00449	33.7	0.00716	0.0133	0.000691	0.0015	0.000648	0.603	0.0000113	0.00251	0.000791	0.00215	0.00182
2077 Jun	0.000373	0.00197	0.0762	0.0000107	12.1	12.5	0.107	0.00454	33.6	0.00719	0.0133	0.000697	0.00151	0.000653	0.607	0.0000114	0.00253	0.000793	0.00216	0.00182
2077 Jul	0.000374	0.00198	0.0764	0.0000108	12.2	12.5	0.107	0.00455	33.7	0.0072	0.0133	0.000699	0.00151	0.000654	0.608	0.0000114	0.00253	0.000795	0.00216	0.00183
2077 Aug	0.000375	0.00198	0.0766	0.0000108	12.2	12.5	0.107	0.00456	33.7	0.00722	0.0133	0.0007	0.00152	0.000656	0.609	0.0000115	0.00254	0.000796	0.00216	0.00183
2077 Sep	0.000375	0.00199	0.0765	0.0000108	12.3	12.6	0.108	0.00459	33.7	0.00724	0.0133	0.000704	0.00152	0.000659	0.612	0.0000115	0.00255	0.000797	0.00217	0.00184
2077 Oct	0.000376	0.00199	0.0766	0.0000108	12.3	12.6	0.108	0.0046	33.7	0.00725	0.0133	0.000705	0.00153	0.00066	0.613	0.0000116	0.00256	0.000798	0.00217	0.00184
2077 Nov	0.000376	0.00199	0.0766	0.0000108	12.3	12.6	0.108	0.0046	33.7	0.00725	0.0133	0.000705	0.00153	0.00066	0.613	0.0000116	0.00256	0.000798	0.00217	0.00184
2077 Dec	0.000376	0.00199	0.0766	0.0000108	12.3	12.6	0.108	0.0046	33.7	0.00725	0.0133	0.000706	0.00153	0.00066	0.613	0.0000116	0.00256	0.000798	0.00217	0.00184
2078 Jan	0.000376	0.00199	0.0766	0.0000108	12.3	12.6	0.108	0.0046	33.7	0.00725	0.0133	0.000706	0.00153	0.00066	0.613	0.0000116	0.00256	0.000798	0.00217	0.00184
2078 Feb	0.000376	0.00199	0.0766	0.0000108	12.3	12.6	0.108	0.0046	33.7	0.00725	0.0133	0.000706	0.00153	0.00066	0.613	0.0000116	0.00256	0.000798	0.00217	0.00184
2078 Mar	0.000376	0.00199	0.0766	0.0000108	12.3	12.6	0.108	0.0046	33.7	0.00725	0.0133	0.000706	0.00153	0.00066	0.613	0.0000116	0.00256	0.000798	0.00217	0.00184
2078 Apr	0.000376	0.00199	0.0766	0.0000108	12.3	12.6	0.108	0.0046	33.7	0.00725	0.0133	0.000706	0.00153	0.00066	0.614	0.0000116	0.00256	0.000798	0.00217	0.00184
2078 May	0.000377	0.00199	0.0768	0.0000108	12.4	12.6	0.108	0.00463	33.7	0.00727	0.0133	0.000709	0.00153	0.000662	0.616	0.0000116	0.00257	0.0008	0.00217	0.00184
2078 Jun	0.000379	0.00199	0.077	0.0000108	12.4	12.7	0.109	0.00467	33.6	0.00729	0.0133	0.000715	0.00154	0.000666	0.619	0.0000117	0.00259	0.000802	0.00217	0.00185
2078 Jul	0.00038	0.002	0.0772	0.0000108	12.5	12.7	0.109	0.00468	33.7	0.00731	0.0133	0.000716	0.00154	0.000668	0.621	0.0000117	0.0026	0.000804	0.00218	0.00185
2078 Aug	0.00038	0.002	0.0773	0.0000108	12.5	12.7	0.109	0.00469	33.7	0.00732	0.0133	0.000718	0.00154	0.000669	0.622	0.0000118	0.0026	0.000805	0.00218	0.00186
2078 Sep	0.000381	0.002	0.0774	0.0000108	12.5	12.8	0.109	0.0047	33.7	0.00733	0.0133	0.000719	0.00155	0.00067	0.623	0.0000118	0.00261	0.000806	0.00218	0.00186
2078 Oct	0.000381	0.00201	0.0774	0.0000108	12.6	12.8	0.11	0.00472	33.7	0.00734	0.0133	0.000721	0.00155	0.000672	0.625	0.0000118	0.00262	0.000807	0.00218	0.00186
2078 Nov	0.000381	0.00201	0.0774	0.0000108	12.6	12.8	0.11	0.00472	33.7	0.00735	0.0133	0.000722	0.00155	0.000673	0.625	0.0000118	0.00262	0.000808	0.00218	0.00186
2078 Dec	0.000381	0.00201	0.0774	0.0000108	12.6	12.8	0.11	0.00472	33.7	0.00735	0.0133	0.000722	0.00155	0.000673	0.625	0.0000118	0.00262	0.000808	0.00218	0.00186
2079 Jan	0.000381	0.00201	0.0774	0.0000108	12.6	12.8	0.11	0.00472	33.7	0.00735	0.0133	0.000722	0.00155	0.000673	0.625	0.0000118	0.00262	0.000808	0.00218	0.00186
2079 Feb	0.000381	0.00201	0.0774	0.0000108	12.6	12.8	0.11	0.00472	33.7	0.00735	0.0133	0.000722	0.00155	0.000673	0.625	0.0000118	0.00262	0.000808	0.00218	0.00186
2079 Mar	0.000381	0.00201	0.0774	0.0000108	12.6	12.8	0.11	0.00472	33.7	0.00735	0.0133	0.000722	0.00155	0.000673	0.625	0.0000118	0.00262	0.000808	0.00218	0.00186
2079 Apr	0.000382	0.00201	0.0774	0.0000108	12.6	12.8	0.11	0.00472	33.7	0.00735	0.0133	0.000722	0.00155	0.000673	0.625	0.0000118	0.00262	0.000808	0.00218	0.00186
2079 May	0.000382	0.00201	0.0775	0.0000108	12.6	12.8	0.11	0.00472	33.8	0.00735	0.0133	0.000722	0.00155	0.000673	0.626	0.0000118	0.00262	0.000808	0.00219	0.00187
2079 Jun	0.000383	0.00201	0.0777	0.0000108	12.7	12.9	0.111	0.00477	33.7	0.00738	0.0133	0.000729	0.00156	0.000678	0.63	0.0000119	0.00264	0.000811	0.00219	0.00187
2079 Jul	0.000384	0.00201	0.0778	0.0000108	12.7	12.9	0.111	0.00479	33.7	0.0074	0.0133	0.000731	0.00157	0.00068	0.632	0.000012	0.00265	0.000812	0.00219	0.00188
2079 Aug	0.000385	0.00202	0.078	0.0000109	12.8	12.9	0.111	0.0048	33.7	0.00741	0.0133	0.000733	0.00157	0.000681	0.633	0.000012	0.00266	0.000814	0.0022	0.00188
2079 Sep	0.000386	0.00202	0.078	0.0000109	12.8	13	0.112	0.00483	33.7	0.00744	0.0133	0.000736	0.00158	0.000684	0.636	0.0000121	0.00267	0.000815	0.0022	0.00189
2079 Oct	0.000386	0.00202	0.078	0.0000109	12.8	13	0.112	0.00484	33.7	0.00745	0.0133	0.000738	0.00158	0.000686	0.637	0.0000121	0.00268	0.000816	0.0022	0.00189
2079 Nov	0.000387	0.00202	0.0781	0.0000109	12.9	13	0.112	0.00485	33.7	0.00745	0.0133	0.000739	0.00158	0.000686	0.638	0.0000121	0.00268	0.000816	0.0022	0.00189
2079 Dec	0.000387	0.00202	0.0781	0.0000109	12.9	13	0.112	0.00485	33.7	0.00745	0.0133	0.000739	0.00158	0.000686	0.638	0.0000121	0.00268	0.000817	0.0022	0.00189

Appendix D.3-2: TIRI Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Jan	0.000387	0.00202	0.0781	0.0000109	12.9	13	0.112	0.00485	33.7	0.00745	0.0133	0.000739	0.00158	0.000686	0.638	0.0000121	0.00268	0.000817	0.0022	0.00189
2080 Feb	0.000387	0.00202	0.0781	0.0000109	12.9	13	0.112	0.00485	33.7	0.00745	0.0133	0.000739	0.00158	0.000686	0.638	0.0000121	0.00268	0.000817	0.0022	0.00189
2080 Mar	0.000387	0.00202	0.0781	0.0000109	12.9	13	0.112	0.00485	33.7	0.00745	0.0133	0.000739	0.00158	0.000686	0.638	0.0000121	0.00268	0.000817	0.0022	0.00189
2080 Apr	0.000387	0.00202	0.0781	0.0000109	12.9	13	0.112	0.00485	33.7	0.00745	0.0133	0.000739	0.00158	0.000687	0.638	0.0000121	0.00268	0.000817	0.0022	0.00189
2080 May	0.000387	0.00203	0.0781	0.0000109	12.9	13	0.112	0.00485	33.7	0.00746	0.0133	0.00074	0.00158	0.000687	0.638	0.0000121	0.00269	0.000817	0.0022	0.00189
2080 Jun	0.000388	0.00203	0.0782	0.0000109	12.9	13	0.112	0.00487	33.7	0.00747	0.0133	0.000742	0.00159	0.000689	0.64	0.0000122	0.00269	0.000818	0.0022	0.00189
2080 Jul	0.000389	0.00203	0.0784	0.0000109	13	13.1	0.113	0.0049	33.7	0.00749	0.0133	0.000745	0.00159	0.000691	0.642	0.0000122	0.00271	0.00082	0.00221	0.0019
2080 Aug	0.000389	0.00203	0.0785	0.0000109	13	13.1	0.113	0.00491	33.7	0.0075	0.0133	0.000747	0.00159	0.000693	0.644	0.0000122	0.00271	0.000821	0.00221	0.0019
2080 Sep	0.00039	0.00204	0.0785	0.0000109	13.1	13.1	0.113	0.00493	33.7	0.00752	0.0133	0.000749	0.0016	0.000695	0.646	0.0000123	0.00272	0.000822	0.00221	0.00191
2080 Oct	0.00039	0.00204	0.0785	0.0000109	13.1	13.2	0.113	0.00495	33.7	0.00753	0.0133	0.000751	0.0016	0.000697	0.647	0.0000123	0.00273	0.000823	0.00221	0.00191
2080 Nov	0.000391	0.00204	0.0785	0.0000109	13.1	13.2	0.113	0.00495	33.7	0.00753	0.0133	0.000752	0.0016	0.000697	0.648	0.0000123	0.00273	0.000823	0.00221	0.00191
2080 Dec	0.000391	0.00204	0.0785	0.0000109	13.1	13.2	0.113	0.00495	33.7	0.00753	0.0133	0.000752	0.0016	0.000697	0.648	0.0000123	0.00273	0.000823	0.00221	0.00191
2081 Jan	0.000391	0.00204	0.0785	0.0000109	13.1	13.2	0.113	0.00495	33.7	0.00753	0.0133	0.000752	0.0016	0.000697	0.648	0.0000123	0.00273	0.000823	0.00221	0.00191
2081 Feb	0.000391	0.00204	0.0785	0.0000109	13.1	13.2	0.113	0.00495	33.7	0.00753	0.0133	0.000752	0.0016	0.000697	0.648	0.0000123	0.00273	0.000823	0.00221	0.00191
2081 Mar	0.000391	0.00204	0.0785	0.0000109	13.1	13.2	0.113	0.00495	33.7	0.00753	0.0133	0.000752	0.0016	0.000697	0.648	0.0000123	0.00273	0.000823	0.00221	0.00191
2081 Apr	0.000391	0.00204	0.0785	0.0000109	13.1	13.2	0.113	0.00495	33.7	0.00754	0.0133	0.000752	0.0016	0.000698	0.648	0.0000123	0.00273	0.000823	0.00221	0.00191
2081 May	0.000391	0.00204	0.0787	0.0000109	13.1	13.2	0.114	0.00497	33.7	0.00754	0.0133	0.000754	0.00161	0.000699	0.649	0.0000124	0.00274	0.000824	0.00222	0.00191
2081 Jun	0.000392	0.00204	0.0788	0.0000109	13.2	13.2	0.114	0.00499	33.6	0.00755	0.0133	0.000757	0.00161	0.000701	0.651	0.0000124	0.00275	0.000825	0.00222	0.00191
2081 Jul	0.000393	0.00205	0.079	0.0000109	13.2	13.3	0.114	0.00501	33.7	0.00757	0.0133	0.000759	0.00161	0.000703	0.653	0.0000125	0.00276	0.000828	0.00222	0.00192
2081 Aug	0.000394	0.00205	0.0792	0.000011	13.2	13.3	0.115	0.00502	33.8	0.00759	0.0134	0.000761	0.00162	0.000704	0.654	0.0000125	0.00276	0.00083	0.00223	0.00192
2081 Sep	0.000394	0.00205	0.0792	0.000011	13.3	13.3	0.115	0.00502	33.8	0.00759	0.0134	0.000761	0.00162	0.000705	0.654	0.0000125	0.00277	0.00083	0.00223	0.00192
2081 Oct	0.000394	0.00205	0.0792	0.000011	13.3	13.3	0.115	0.00502	33.8	0.00759	0.0134	0.000761	0.00162	0.000705	0.654	0.0000125	0.00277	0.00083	0.00223	0.00192
2081 Nov	0.000394	0.00205	0.0792	0.000011	13.2	13.3	0.115	0.00502	33.8	0.00759	0.0133	0.000761	0.00162	0.000704	0.654	0.0000125	0.00276	0.000829	0.00223	0.00192
2081 Dec	0.000394	0.00205	0.0792	0.000011	13.2	13.3	0.115	0.00502	33.8	0.00759	0.0133	0.000761	0.00162	0.000704	0.654	0.0000125	0.00276	0.000829	0.00223	0.00192
2082 Jan	0.000394	0.00205	0.0792	0.000011	13.2	13.3	0.115	0.00502	33.8	0.00759	0.0133	0.000761	0.00162	0.000705	0.654	0.0000125	0.00276	0.000829	0.00223	0.00192
2082 Feb	0.000394	0.00205	0.0792	0.000011	13.2	13.3	0.115	0.00502	33.8	0.00759	0.0133	0.000761	0.00162	0.000705	0.654	0.0000125	0.00276	0.000829	0.00223	0.00192
2082 Mar	0.000394	0.00205	0.0792	0.000011	13.2	13.3	0.115	0.00502	33.8	0.00759	0.0133	0.000761	0.00162	0.000705	0.654	0.0000125	0.00276	0.00083	0.00223	0.00192
2082 Apr	0.000394	0.00205	0.0792	0.000011	13.3	13.3	0.115	0.00502	33.8	0.00759	0.0134	0.000761	0.00162	0.000705	0.654	0.0000125	0.00277	0.00083	0.00223	0.00192
2082 May	0.000394	0.00205	0.0793	0.000011	13.3	13.3	0.115	0.00502	33.8	0.0076	0.0134	0.000761	0.00162	0.000705	0.655	0.0000125	0.00277	0.00083	0.00223	0.00193
2082 Jun	0.000396	0.00206	0.0793	0.000011	13.4	13.4	0.115	0.00507	33.7	0.00763	0.0133	0.000767	0.00163	0.00071	0.659	0.0000126	0.00279	0.000832	0.00223	0.00193
2082 Jul	0.000397	0.00206	0.0795	0.000011	13.4	13.4	0.116	0.00511	33.7	0.00765	0.0133	0.000771	0.00164	0.000714	0.662	0.0000127	0.00281	0.000834	0.00224	0.00194
2082 Aug	0.000397	0.00207	0.0796	0.000011	13.5	13.5	0.116	0.00512	33.7	0.00767	0.0133	0.000773	0.00164	0.000715	0.663	0.0000127	0.00281	0.000836	0.00224	0.00194
2082 Sep	0.000398	0.00207	0.0797	0.000011	13.5	13.5	0.116	0.00512	33.8	0.00767	0.0134	0.000773	0.00164	0.000715	0.664	0.0000127	0.00281	0.000836	0.00224	0.00194
2082 Oct	0.000398	0.00207	0.0796	0.000011	13.5	13.5	0.116	0.00514	33.7	0.00768	0.0133	0.000775	0.00164	0.000717	0.665	0.0000128	0.00282	0.000836	0.00224	0.00195
2082 Nov	0.000398	0.00207	0.0796	0.000011	13.5	13.5	0.116	0.00514	33.7	0.00768	0.0133	0.000775	0.00164	0.000717	0.665	0.0000128	0.00282	0.000836	0.00224	0.00195
2082 Dec	0.000398	0.00207	0.0796	0.000011	13.5	13.5	0.116	0.00514	33.7	0.00768	0.0133	0.000775	0.00164	0.000717	0.665	0.0000128	0.00282	0.000836	0.00224	0.00195
2083 Jan	0.000398	0.00207	0.0796	0.000011	13.5	13.5	0.116	0.00514	33.7	0.00768	0.0133	0.000775	0.00164	0.000717	0.665	0.0000128	0.00282	0.000836	0.00224	0.00195
2083 Feb	0.000398	0.00207	0.0796	0.000011	13.5	13.5	0.116	0.00514	33.7	0.00768	0.0133	0.000775	0.00164	0.000717	0.665	0.0000128	0.00282	0.000836	0.00224	0.00195
2083 Mar	0.000398	0.00207	0.0796	0.000011	13.5	13.5	0.116	0.00514	33.7	0.00768	0.0133	0.000775	0.00164	0.000717	0.665	0.0000128	0.00282	0.000836	0.00224	0.00195
2083 Apr	0.000398	0.00207	0.0796	0.000011	13.5	13.5	0.116	0.00514	33.7	0.00768	0.0133	0.000775	0.00164	0.000717	0.666	0.0000128	0.00282	0.000836	0.00224	0.00195
2083 May	0.000399	0.00207	0.0797	0.000011	13.6	13.5	0.117	0.00516	33.7	0.00769	0.0133	0.000777	0.00165	0.000719	0.667	0.0000128	0.00283	0.000838	0.00225	0.00195
2083 Jun	0.0004	0.00207	0.0799	0.000011	13.6	13.6	0.117	0.0052	33.6	0.00771	0.0133	0.000782	0.00165	0.000723	0.67	0.0000129	0.00285	0.000839	0.00225	0.00195
2083 Jul	0.000401	0.00208	0.0801	0.000011	13.7	13.6	0.117	0.00522	33.6	0.00773	0.0133	0.000784	0.00166	0.000725	0.672	0.000013	0.00286	0.000841	0.00225	0.00196
2083 Aug	0.000402	0.00208	0.0802	0.000011	13.7	13.6	0.118	0.00524	33.7	0.00775	0.0133	0.000787	0.00166	0.000727	0.674	0.000013	0.00287	0.000843	0.00225	0.00196
2083 Sep	0.000403	0.00208	0.0802	0.000011	13.8	13.7	0.118	0.00527	33.7	0.00777	0.0133	0.00079	0.00167	0.00073	0.677	0.0000131	0.00288	0.000844	0.00226	0.00197
2083 Oct	0.000403	0.00208	0.0802	0.000011	13.8	13.7	0.118	0.00528	33.6	0.00778	0.0133	0.000792	0.00167	0.000731	0.678	0.0000131	0.00289	0.000845	0.00226	0.00197
2083 Nov	0.000403	0.00208	0.0802	0.000011	13.8	13.7	0.118	0.00529	33.6	0.00778	0.0133	0.000793	0.00167	0.000732	0.679	0.0000131	0.00289	0.000845	0.00226	0.00197
2083 Dec	0.000403	0.00208	0.0802	0.000011	13.8	13.7	0.118	0.00529	33.6	0.00779	0.0133	0.000793	0.00167	0.000732	0.679	0.0000131	0.00289	0.000845	0.00226	0.00197
2084 Jan	0.000403	0.00208	0.0802	0.000011	13.8	13.7	0.118	0.00529	33.6	0.00779	0.0133	0.000793	0.00167	0.000732	0.679	0.0000131	0.00289	0.000845	0.00226	0.00197
2084 Feb	0.000403	0.00208	0.0802	0.000011	13.8	13.7	0.118	0.00529	33.6	0.00779	0.0133	0.000793	0.00167	0.000732	0.679	0.0000131	0.00289	0.000845	0.00226	0.00197
2084 Mar	0.000403	0.00209	0.0802	0.000011	13.8	13.7	0.119	0.00529	33.6	0.00779	0.0133	0.000793	0.00167	0.000732	0.679	0.0000131	0.00289	0.000845	0.00226	0.00197
2084 Apr	0.000403	0.00209	0.0802	0.000011	13.8	13.7	0.119	0.00529	33.6	0.00779	0.0133	0.000793	0.00167	0.000732	0.679	0.0000131	0.00289	0.000845	0.00226	0.00197
2084 May	0.000404	0.00209	0.0804	0.000011	13.9	13.7	0.119	0.0053	33.6	0.0078	0.0133	0.000794	0.00168	0.000733	0.68	0.0000131	0.0029	0.000846	0.00226	0.00198
2084 Jun	0.000405	0.00209	0.0805	0.000011	13.9	13.8	0.119	0.00532	33.5	0.0078	0.0133	0.000798	0.00168	0.000735	0.682	0.0000132	0.00291	0.000847	0.00226	0.00198
2084 Jul	0.000405	0.00209	0.0807	0.000011	13.9	13.8	0.119	0.00534	33.5	0.00782	0.0133	0.000799	0.00168	0.000736	0.683	0.0000132	0.00291	0.000848	0.00226	0.00198
2084 Aug	0.000406	0.00209	0.0808	0.0000111	14	13.8	0.12	0.00535	33.6	0.00783	0.0133	0.000801	0.00169	0.000738	0.685	0.0000133	0.00292	0.00085	0.00227	0.00198
2084 Sep	0.000407	0.0021	0.0808	0.0000111	14	13.8	0.12	0.00537	33.6	0.00785	0.0133	0.000803	0.00169	0.00074	0.686	0.0000133	0.00293	0.000851	0.00227	0.00199
2084 Oct	0.000407	0.0021	0.0808	0.0000111	14.1	13.9	0.12	0.00538	33.6	0.00786	0.0133	0.000805	0.00169	0.000742	0.688	0.0000133	0.00294	0.000851	0.00227	0.00199
2084 Nov	0.000407	0.0021	0.0808	0.0000111	14.1	13.9	0.12	0.00539	33.6	0.00786	0.0133	0.000806	0.00169	0.000742	0.688	0.0000133	0.00294	0.000851	0.00227	0.00199
2084 Dec	0.000407	0.0021	0.0808	0.0000111	14.1	13.9	0.12	0.00539	33.6	0.00786	0.0133	0.000806	0.00169	0.000742	0.688	0.0000133	0.00294	0.000851	0.00227	0.00199
2085 Jan	0.000407	0.0021	0.0808	0.0000111	14.1	13.9	0.12	0.00539	33.6	0.00786	0.0133	0.000806	0.00169	0.000742	0.688	0.0000133	0.00294	0.000851	0.00227	0.00199
2085 Feb	0.000407	0.0021	0.0808	0.0000111	14.1	13.9	0.12	0.00539	33.6	0.00786	0.0133	0.000806	0.00169	0.000742	0.688	0.0000133	0.00294	0.000851	0.00227	0.00199
2085 Mar	0.000407	0.0021	0.0808	0.0000111	14.1	13.9	0.12	0.00539	33.6	0.00786	0.0133	0.000806	0.00169	0.000742	0.688	0.0000133	0.00294	0.000851	0.00227	0.00199
2085 Apr	0.000407	0.0021	0.0808	0.0000111	14.1	13.9	0.12	0.00539	33.6	0.00786	0.0133	0.000806	0.00169	0.000742	0.688	0.0000133	0.00294	0.000852	0.00227	0.00199
2085 May	0.000408	0.0021	0.0809	0.0000111	14.1	13.9	0.12	0.00539	33.6	0.00787	0.0133	0.000807	0.0017	0.000743	0.689	0.0000133	0.00294	0.000852	0.00227	0.00199
2085 Jun	0.000409	0.0021	0.0811	0.0000111	14.1	13.9	0.121	0.00541	33.5	0.00788	0.0133	0.00081	0.0017	0.000745	0.691	0.0000134	0.00295	0.000854	0.00227	0.002
2085 Jul	0.000409	0.00211	0.0812	0.0000111	14.1	13.9	0.121	0.00542	33.6	0.00789	0.0133	0.000811	0.0017	0.000746	0.692	0.0000134	0.00296	0.000855	0.00228	0.002
2085 Aug	0.00041	0.00211	0.0813	0.0000111	14.2	14	0.121	0.00545	33.6	0.00792	0.0133	0.000815	0.00171	0.000749	0.695	0.0000135	0.00297	0.000857	0.00228	0.00201
2085 Sep	0.000411	0.00211	0.0813	0.0000111	14.3	14	0.122	0.00547	33.6	0.00794	0.0133	0.000818	0.00172	0.000752	0.698	0.0000135	0.00299	0.000859	0.00228	0.00201
2085 Oct	0.000412	0.00212	0.0813	0.0000111	14.3	14.1	0.122	0.00549	33.6	0.00795	0.0133	0.00082	0.00172	0.000754	0.699	0.0000135	0.00299	0.000859	0.00228	0.00202
2085 Nov	0.000412	0.00212	0.0813	0.0000111	14.3	14.1	0.122	0.00549	33.5	0.00796	0.0133	0.000821	0.00172	0.000754	0.7	0.0000136	0.003	0.000859	0.00228	0.00202
2085 Dec	0.000412	0.00212	0.0813	0.0000111	14.3	14.1	0.122	0.00549	33.5	0.00796	0.0133	0.000821	0.00172	0.000754	0.7	0.0000136	0.003	0.000859	0.00228	0.00202

Appendix D.3-2: TIRI Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2086 Jan	0.000412	0.00212	0.0813	0.0000111	14.3	14.1	0.122	0.00549	33.5	0.00796	0.0133	0.000821	0.00172	0.000754	0.7	0.0000136	0.003	0.000859	0.00228	0.00202
2086 Feb	0.000412	0.00212	0.0813	0.0000111	14.3	14.1	0.122	0.00549	33.5	0.00796	0.0133	0.000821	0.00172	0.000754	0.7	0.0000136	0.003	0.000859	0.00228	0.00202
2086 Mar	0.000412	0.00212	0.0813	0.0000111	14.3	14.1	0.122	0.00549	33.5	0.00796	0.0133	0.000821	0.00172	0.000754	0.7	0.0000136	0.003	0.000859	0.00228	0.00202
2086 Apr	0.000412	0.00212	0.0813	0.0000111	14.3	14.1	0.122	0.00549	33.6	0.00796	0.0133	0.000821	0.00172	0.000754	0.7	0.0000136	0.003	0.000859	0.00228	0.00202
2086 May	0.000412	0.00212	0.0814	0.0000111	14.3	14.1	0.122	0.0055	33.6	0.00797	0.0133	0.000822	0.00172	0.000755	0.701	0.0000136	0.003	0.00086	0.00228	0.00202
2086 Jun	0.000413	0.00212	0.0816	0.0000111	14.4	14.1	0.122	0.00552	33.5	0.00798	0.0133	0.000826	0.00173	0.000757	0.703	0.0000136	0.00301	0.000861	0.00228	0.00202
2086 Jul	0.000414	0.00212	0.0818	0.0000111	14.4	14.1	0.123	0.00554	33.5	0.008	0.0133	0.000829	0.00173	0.000759	0.705	0.0000137	0.00302	0.000863	0.00229	0.00203
2086 Aug	0.000415	0.00213	0.0819	0.0000111	14.5	14.2	0.123	0.00556	33.6	0.00802	0.0133	0.000831	0.00174	0.000761	0.707	0.0000137	0.00303	0.000865	0.00229	0.00203
2086 Sep	0.000416	0.00213	0.0819	0.0000111	14.6	14.2	0.123	0.00559	33.5	0.00804	0.0133	0.000835	0.00174	0.000765	0.71	0.0000137	0.00305	0.000866	0.00229	0.00204
2086 Oct	0.000417	0.00213	0.0819	0.0000111	14.6	14.2	0.124	0.00559	33.5	0.00805	0.0133	0.000836	0.00174	0.000766	0.711	0.0000138	0.00305	0.000867	0.00229	0.00204
2086 Nov	0.000417	0.00213	0.0819	0.0000111	14.6	14.2	0.124	0.00559	33.5	0.00805	0.0133	0.000836	0.00175	0.000766	0.711	0.0000138	0.00305	0.000867	0.0023	0.00204
2086 Dec	0.000417	0.00213	0.0819	0.0000111	14.6	14.2	0.124	0.00559	33.5	0.00805	0.0133	0.000836	0.00175	0.000766	0.711	0.0000138	0.00305	0.000867	0.0023	0.00204
2087 Jan	0.000417	0.00213	0.0819	0.0000111	14.6	14.2	0.124	0.00559	33.5	0.00805	0.0133	0.000836	0.00175	0.000766	0.711	0.0000138	0.00305	0.000867	0.0023	0.00204
2087 Feb	0.000417	0.00213	0.0819	0.0000111	14.6	14.2	0.124	0.00559	33.5	0.00805	0.0133	0.000836	0.00175	0.000766	0.711	0.0000138	0.00305	0.000867	0.0023	0.00204
2087 Mar	0.000417	0.00213	0.0819	0.0000111	14.6	14.2	0.124	0.00559	33.5	0.00805	0.0133	0.000836	0.00175	0.000766	0.711	0.0000138	0.00305	0.000867	0.0023	0.00204
2087 Apr	0.000417	0.00213	0.0819	0.0000111	14.6	14.2	0.124	0.0056	33.5	0.00805	0.0133	0.000836	0.00175	0.000766	0.711	0.0000138	0.00305	0.000867	0.0023	0.00204
2087 May	0.000417	0.00213	0.082	0.0000111	14.6	14.3	0.124	0.0056	33.5	0.00806	0.0133	0.000837	0.00175	0.000766	0.712	0.0000138	0.00306	0.000868	0.0023	0.00204
2087 Jun	0.000418	0.00214	0.0821	0.0000111	14.6	14.3	0.124	0.00562	33.5	0.00807	0.0133	0.00084	0.00175	0.000768	0.713	0.0000138	0.00307	0.000869	0.0023	0.00204
2087 Jul	0.000418	0.00214	0.0822	0.0000112	14.7	14.3	0.124	0.00563	33.5	0.00808	0.0133	0.000841	0.00175	0.000769	0.714	0.0000138	0.00307	0.00087	0.0023	0.00205
2087 Aug	0.000419	0.00214	0.0824	0.0000112	14.7	14.3	0.124	0.00564	33.6	0.0081	0.0133	0.000843	0.00176	0.000771	0.716	0.0000139	0.00308	0.000872	0.0023	0.00205
2087 Sep	0.00042	0.00215	0.0825	0.0000112	14.7	14.4	0.125	0.00565	33.6	0.00811	0.0133	0.000845	0.00176	0.000772	0.717	0.0000139	0.00308	0.000873	0.00231	0.00205
2087 Oct	0.00042	0.00215	0.0825	0.0000112	14.7	14.4	0.125	0.00566	33.6	0.00812	0.0133	0.000846	0.00176	0.000774	0.718	0.0000139	0.00309	0.000873	0.00231	0.00206
2087 Nov	0.00042	0.00215	0.0825	0.0000112	14.8	14.4	0.125	0.00566	33.6	0.00812	0.0133	0.000846	0.00176	0.000774	0.719	0.0000139	0.00309	0.000874	0.00231	0.00206
2087 Dec	0.00042	0.00215	0.0825	0.0000112	14.8	14.4	0.125	0.00566	33.6	0.00812	0.0133	0.000846	0.00176	0.000774	0.719	0.0000139	0.00309	0.000874	0.00231	0.00206
2088 Jan	0.00042	0.00215	0.0825	0.0000112	14.8	14.4	0.125	0.00566	33.6	0.00812	0.0133	0.000846	0.00176	0.000774	0.719	0.0000139	0.00309	0.000874	0.00231	0.00206
2088 Feb	0.00042	0.00215	0.0825	0.0000112	14.8	14.4	0.125	0.00566	33.6	0.00812	0.0133	0.000846	0.00176	0.000774	0.719	0.0000139	0.00309	0.000874	0.00231	0.00206
2088 Mar	0.000421	0.00215	0.0825	0.0000112	14.8	14.4	0.125	0.00566	33.6	0.00812	0.0133	0.000846	0.00176	0.000774	0.719	0.0000139	0.00309	0.000874	0.00231	0.00206
2088 Apr	0.000421	0.00215	0.0825	0.0000112	14.8	14.4	0.125	0.00567	33.6	0.00813	0.0133	0.000847	0.00176	0.000775	0.719	0.0000139	0.00309	0.000874	0.00231	0.00206
2088 May	0.000421	0.00215	0.0826	0.0000112	14.8	14.4	0.125	0.00567	33.7	0.00813	0.0133	0.000848	0.00177	0.000775	0.72	0.0000139	0.0031	0.000875	0.00231	0.00206
2088 Jun	0.000422	0.00215	0.0826	0.0000112	14.8	14.4	0.125	0.00569	33.6	0.00814	0.0133	0.00085	0.00177	0.000777	0.721	0.000014	0.00311	0.000876	0.00231	0.00206
2088 Jul	0.000423	0.00216	0.0828	0.0000112	14.9	14.5	0.126	0.0057	33.7	0.00817	0.0133	0.000852	0.00177	0.000779	0.723	0.000014	0.00312	0.000878	0.00232	0.00207
2088 Aug	0.000424	0.00216	0.0831	0.0000113	14.9	14.5	0.126	0.00572	33.8	0.00819	0.0134	0.000855	0.00178	0.000781	0.725	0.000014	0.00312	0.00088	0.00232	0.00207
2088 Sep	0.000424	0.00216	0.0831	0.0000113	14.9	14.5	0.126	0.00572	33.8	0.00819	0.0134	0.000855	0.00178	0.000782	0.726	0.000014	0.00313	0.000881	0.00233	0.00208
2088 Oct	0.000424	0.00216	0.083	0.0000112	14.9	14.5	0.126	0.00572	33.8	0.00819	0.0134	0.000855	0.00178	0.000782	0.726	0.000014	0.00313	0.00088	0.00232	0.00208
2088 Nov	0.000424	0.00216	0.083	0.0000112	14.9	14.5	0.126	0.00573	33.8	0.00819	0.0134	0.000856	0.00178	0.000782	0.726	0.0000141	0.00313	0.00088	0.00232	0.00208
2088 Dec	0.000424	0.00216	0.083	0.0000112	14.9	14.5	0.126	0.00573	33.8	0.0082	0.0134	0.000856	0.00178	0.000782	0.726	0.0000141	0.00313	0.00088	0.00232	0.00208
2089 Jan	0.000424	0.00216	0.083	0.0000112	14.9	14.5	0.126	0.00573	33.8	0.0082	0.0134	0.000856	0.00178	0.000782	0.726	0.0000141	0.00313	0.00088	0.00232	0.00208
2089 Feb	0.000424	0.00216	0.083	0.0000112	14.9	14.5	0.126	0.00573	33.8	0.0082	0.0134	0.000856	0.00178	0.000782	0.726	0.0000141	0.00313	0.00088	0.00232	0.00208
2089 Mar	0.000424	0.00216	0.083	0.0000113	14.9	14.5	0.126	0.00573	33.8	0.0082	0.0134	0.000856	0.00178	0.000782	0.726	0.0000141	0.00313	0.00088	0.00232	0.00208
2089 Apr	0.000424	0.00216	0.083	0.0000113	14.9	14.5	0.126	0.00573	33.8	0.0082	0.0134	0.000856	0.00178	0.000782	0.727	0.0000141	0.00313	0.000881	0.00232	0.00208
2089 May	0.000425	0.00217	0.0832	0.0000113	14.9	14.5	0.126	0.00574	33.8	0.00821	0.0134	0.000857	0.00178	0.000783	0.728	0.0000141	0.00314	0.000882	0.00233	0.00208
2089 Jun	0.000426	0.00217	0.0833	0.0000113	15	14.6	0.127	0.00577	33.8	0.00823	0.0134	0.000861	0.00179	0.000786	0.73	0.0000141	0.00315	0.000884	0.00233	0.00209
2089 Jul	0.000427	0.00218	0.0835	0.0000113	15	14.6	0.127	0.00578	33.8	0.00825	0.0134	0.000863	0.00179	0.000788	0.732	0.0000142	0.00316	0.000885	0.00233	0.00209
2089 Aug	0.000428	0.00218	0.0837	0.0000113	15.1	14.7	0.127	0.0058	33.9	0.00827	0.0134	0.000866	0.0018	0.00079	0.734	0.0000142	0.00317	0.000888	0.00234	0.0021
2089 Sep	0.000429	0.00218	0.0837	0.0000113	15.1	14.7	0.128	0.00581	33.9	0.00828	0.0134	0.000868	0.0018	0.000792	0.736	0.0000142	0.00317	0.000889	0.00234	0.0021
2089 Oct	0.00043	0.00219	0.0837	0.0000113	15.2	14.8	0.128	0.00585	33.9	0.00831	0.0134	0.000872	0.00181	0.000796	0.739	0.0000143	0.00319	0.00089	0.00234	0.00211
2089 Nov	0.00043	0.00219	0.0837	0.0000113	15.2	14.8	0.128	0.00585	33.9	0.00832	0.0134	0.000873	0.00181	0.000796	0.74	0.0000143	0.0032	0.000891	0.00234	0.00211
2089 Dec	0.00043	0.00219	0.0837	0.0000113	15.2	14.8	0.128	0.00585	33.9	0.00832	0.0134	0.000873	0.00181	0.000796	0.74	0.0000143	0.0032	0.000891	0.00234	0.00211
2090 Jan	0.00043	0.00219	0.0837	0.0000113	15.2	14.8	0.128	0.00585	33.9	0.00832	0.0134	0.000873	0.00181	0.000796	0.74	0.0000143	0.0032	0.000891	0.00235	0.00211
2090 Feb	0.00043	0.00219	0.0837	0.0000113	15.2	14.8	0.128	0.00585	33.9	0.00832	0.0134	0.000873	0.00181	0.000796	0.74	0.0000143	0.0032	0.000891	0.00235	0.00211
2090 Mar	0.00043	0.00219	0.0837	0.0000113	15.2	14.8	0.128	0.00585	33.9	0.00832	0.0134	0.000873	0.00181	0.000796	0.74	0.0000143	0.0032	0.000891	0.00235	0.00211
2090 Apr	0.00043	0.00219	0.0838	0.0000113	15.2	14.8	0.128	0.00585	33.9	0.00832	0.0134	0.000873	0.00181	0.000797	0.74	0.0000143	0.0032	0.000891	0.00235	0.00211
2090 May	0.00043	0.00219	0.0838	0.0000113	15.2	14.8	0.128	0.00586	33.9	0.00833	0.0134	0.000874	0.00181	0.000797	0.741	0.0000143	0.0032	0.000891	0.00235	0.00211
2090 Jun	0.000432	0.0022	0.084	0.0000113	15.4	14.9	0.129	0.00591	33.9	0.00837	0.0134	0.000881	0.00183	0.000803	0.746	0.0000144	0.00323	0.000895	0.00235	0.00212
2090 Jul	0.000433	0.0022	0.0842	0.0000114	15.4	14.9	0.13	0.00593	33.9	0.00839	0.0134	0.000884	0.00183	0.000805	0.748	0.0000145	0.00324	0.000897	0.00236	0.00213
2090 Aug	0.000435	0.00221	0.0843	0.0000114	15.5	15	0.13	0.00596	33.9	0.00843	0.0134	0.000888	0.00184	0.000809	0.752	0.0000145	0.00326	0.000899	0.00236	0.00214
2090 Sep	0.000436	0.00221	0.0843	0.0000114	15.6	15	0.131	0.00599	33.9	0.00845	0.0134	0.000892	0.00185	0.000812	0.755	0.0000146	0.00327	0.0009	0.00236	0.00214
2090 Oct	0.000436	0.00221	0.0843	0.0000114	15.6	15	0.131	0.00601	33.9	0.00847	0.0134	0.000895	0.00185	0.000815	0.758	0.0000146	0.00329	0.000901	0.00236	0.00215
2090 Nov	0.000437	0.00221	0.0843	0.0000114	15.6	15.1	0.131	0.00601	33.8	0.00847	0.0134	0.000896	0.00185	0.000815	0.758	0.0000146	0.00329	0.000901	0.00236	0.00215
2090 Dec	0.000437	0.00221	0.0843	0.0000114	15.6	15.1	0.131	0.00601	33.8	0.00847	0.0134	0.000896	0.00185	0.000815	0.758	0.0000146	0.00329	0.000901	0.00236	0.00215
2091 Jan	0.000437	0.00221	0.0843	0.0000114	15.6	15.1	0.131	0.00601	33.8	0.00847	0.0134	0.000896	0.00185	0.000815	0.758	0.0000146	0.00329	0.000901	0.00236	0.00215
2091 Feb	0.000437	0.00221	0.0843	0.0000114	15.6	15.1	0.131	0.00601	33.8	0.00847	0.0134	0.000896	0.00185	0.000815	0.758	0.0000146	0.00329	0.000901	0.00236	0.00215
2091 Mar	0.000437	0.00221	0.0843	0.0000114	15.6	15.1	0.131	0.00601	33.8	0.00847	0.0134	0.000896	0.00185	0.000815	0.758	0.0000146	0.00329	0.000901	0.00236	0.00215
2091 Apr	0.000437	0.00222	0.0843	0.0000114	15.6	15.1	0.131	0.00602	33.8	0.00847	0.0134	0.000896	0.00185	0.000816	0.758	0.0000146	0.00329	0.000902	0.00236	0.00215
2091 May	0.000437	0.00222	0.0844	0.0000114	15.7	15.1	0.131	0.00602	33.9	0.00848	0.0134	0.000897	0.00186	0.000816	0.759	0.0000147	0.00329	0.000902	0.00237	0.00215
2091 Jun	0.000438	0.00222	0.0845	0.0000114	15.7	15.1	0.131	0.00604	33.8	0.00849	0.0134	0.0009	0.00186	0.000818	0.761	0.0000147	0.0033	0.000903	0.00237	0.00215
2091 Jul	0.000439	0.00222	0.0848	0.0000114	15.7	15.1	0.132	0.00605	33.9	0.00851	0.0134	0.000902	0.00186	0.00082	0.763	0.0000147	0.00331	0.000906	0.00237	0.00216
2091 Aug	0.00044	0.00223	0.0848	0.0000114	15.8	15.2	0.132	0.00607	33.9	0.00853	0.0134	0.000905	0.00187	0.000822	0.765	0.0000148	0.00332	0.000907	0.00237	0.00216
2091 Sep	0.000441	0.00223	0.0848	0.0000114	15.9	15.2	0.133	0.0061	33.9	0.00855	0.0134	0.000908	0.00187	0.000825	0.768	0.0000148	0.00334	0.000909	0.00238	0.00217
2091 Oct	0.000441	0.00223	0.0848	0.0000114	15.9	15.2	0.133	0.00611	33.9	0.00856	0.0134	0.00091	0.00188	0.000827	0.769	0.0000148	0.00334	0.000909	0.00238	0.00217
2091 Nov	0.000441	0.00223	0.0848	0.0000114	15.9	15.3	0.133	0.00612	33.9	0.00857	0.0134	0.000911	0.00188	0.000827	0.77	0.0000148	0.00335	0.000909	0.00238	0.00217
2091 Dec	0.000441	0.00223	0.0848	0.0000114	15.9	15.3	0.133	0.00612	33.9	0.00857	0.0134	0.000911	0.00188	0.000827	0.77	0.0000148	0.00335	0.000909	0.00238	0.00217

Appendix D.3-2: TIRI Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2092 Jan	0.000441	0.00223	0.0848	0.0000114	15.9	15.3	0.133	0.00612	33.9	0.00857	0.0134	0.000911	0.00188	0.000827	0.77	0.0000148	0.00335	0.000909	0.00238	0.00217
2092 Feb	0.000441	0.00223	0.0848	0.0000114	15.9	15.3	0.133	0.00612	33.9	0.00857	0.0134	0.000911	0.00188	0.000827	0.77	0.0000148	0.00335	0.000909	0.00238	0.00217
2092 Mar	0.000441	0.00223	0.0848	0.0000114	15.9	15.3	0.133	0.00612	33.9	0.00857	0.0134	0.000911	0.00188	0.000828	0.77	0.0000148	0.00335	0.000909	0.00238	0.00217
2092 Apr	0.000442	0.00223	0.0848	0.0000114	15.9	15.3	0.133	0.00612	33.9	0.00857	0.0134	0.000911	0.00188	0.000828	0.77	0.0000149	0.00335	0.000909	0.00238	0.00218
2092 May	0.000442	0.00224	0.0849	0.0000114	15.9	15.3	0.133	0.00613	33.9	0.00858	0.0134	0.000912	0.00188	0.000829	0.771	0.0000149	0.00336	0.00091	0.00238	0.00218
2092 Jun	0.000443	0.00224	0.085	0.0000114	16	15.3	0.133	0.00615	33.7	0.00859	0.0133	0.000917	0.00189	0.000831	0.774	0.0000149	0.00337	0.000911	0.00238	0.00218
2092 Jul	0.000444	0.00224	0.0851	0.0000114	16.1	15.3	0.134	0.00617	33.7	0.00861	0.0133	0.00092	0.00189	0.000833	0.776	0.0000149	0.00338	0.000912	0.00238	0.00218
2092 Aug	0.000445	0.00224	0.0853	0.0000114	16.1	15.4	0.134	0.00618	33.8	0.00863	0.0133	0.000922	0.0019	0.000835	0.778	0.000015	0.00339	0.000914	0.00238	0.00219
2092 Sep	0.000445	0.00224	0.0853	0.0000114	16.1	15.4	0.134	0.00619	33.8	0.00864	0.0133	0.000923	0.0019	0.000836	0.779	0.000015	0.00339	0.000915	0.00238	0.00219
2092 Oct	0.000445	0.00225	0.0853	0.0000115	16.1	15.4	0.134	0.0062	33.8	0.00865	0.0133	0.000925	0.0019	0.000838	0.78	0.000015	0.0034	0.000915	0.00238	0.0022
2092 Nov	0.000446	0.00225	0.0853	0.0000115	16.2	15.4	0.134	0.0062	33.8	0.00865	0.0133	0.000925	0.0019	0.000838	0.781	0.000015	0.0034	0.000916	0.00238	0.0022
2092 Dec	0.000446	0.00225	0.0853	0.0000115	16.2	15.4	0.134	0.00621	33.8	0.00865	0.0133	0.000925	0.0019	0.000838	0.781	0.000015	0.0034	0.000916	0.00239	0.0022
2093 Jan	0.000446	0.00225	0.0853	0.0000115	16.2	15.4	0.134	0.00621	33.8	0.00865	0.0133	0.000925	0.0019	0.000838	0.781	0.000015	0.0034	0.000916	0.00239	0.0022
2093 Feb	0.000446	0.00225	0.0853	0.0000115	16.2	15.4	0.134	0.00621	33.8	0.00865	0.0133	0.000925	0.0019	0.000838	0.781	0.000015	0.00341	0.000916	0.00239	0.0022
2093 Mar	0.000446	0.00225	0.0853	0.0000115	16.2	15.4	0.134	0.00621	33.8	0.00865	0.0133	0.000925	0.0019	0.000838	0.781	0.000015	0.00341	0.000916	0.00239	0.0022
2093 Apr	0.000446	0.00225	0.0853	0.0000115	16.2	15.4	0.135	0.00621	33.8	0.00866	0.0133	0.000925	0.0019	0.000839	0.781	0.000015	0.00341	0.000916	0.00239	0.0022
2093 May	0.000446	0.00225	0.0854	0.0000115	16.2	15.4	0.135	0.00621	33.8	0.00866	0.0133	0.000926	0.00191	0.000839	0.782	0.000015	0.00341	0.000917	0.00239	0.0022
2093 Jun	0.000447	0.00225	0.0855	0.0000115	16.2	15.5	0.135	0.00623	33.7	0.00867	0.0133	0.00093	0.00191	0.000841	0.784	0.0000151	0.00342	0.000918	0.00239	0.0022
2093 Jul	0.000448	0.00225	0.0857	0.0000115	16.3	15.5	0.135	0.00624	33.8	0.00869	0.0133	0.000932	0.00191	0.000843	0.785	0.0000151	0.00343	0.00092	0.00239	0.00221
2093 Aug	0.000449	0.00226	0.0858	0.0000115	16.3	15.5	0.135	0.00625	33.9	0.0087	0.0134	0.000933	0.00192	0.000844	0.787	0.0000151	0.00343	0.000921	0.00239	0.00221
2093 Sep	0.000449	0.00226	0.0858	0.0000115	16.3	15.5	0.136	0.00626	33.9	0.00871	0.0134	0.000934	0.00192	0.000845	0.788	0.0000151	0.00344	0.000922	0.0024	0.00221
2093 Oct	0.00045	0.00226	0.0857	0.0000115	16.4	15.6	0.136	0.00629	33.8	0.00873	0.0133	0.000937	0.00192	0.000848	0.79	0.0000152	0.00345	0.000922	0.0024	0.00222
2093 Nov	0.00045	0.00226	0.0857	0.0000115	16.4	15.6	0.136	0.00629	33.8	0.00874	0.0133	0.000938	0.00193	0.000849	0.791	0.0000152	0.00346	0.000922	0.0024	0.00222
2093 Dec	0.00045	0.00226	0.0857	0.0000115	16.4	15.6	0.136	0.00629	33.8	0.00874	0.0133	0.000938	0.00193	0.000849	0.791	0.0000152	0.00346	0.000922	0.0024	0.00222
2094 Jan	0.00045	0.00226	0.0857	0.0000115	16.4	15.6	0.136	0.00629	33.8	0.00874	0.0133	0.000938	0.00193	0.000849	0.791	0.0000152	0.00346	0.000922	0.0024	0.00222
2094 Feb	0.00045	0.00226	0.0857	0.0000115	16.4	15.6	0.136	0.00629	33.8	0.00874	0.0133	0.000938	0.00193	0.000849	0.791	0.0000152	0.00346	0.000922	0.0024	0.00222
2094 Mar	0.00045	0.00226	0.0857	0.0000115	16.4	15.6	0.136	0.00629	33.8	0.00874	0.0133	0.000938	0.00193	0.000849	0.791	0.0000152	0.00346	0.000922	0.0024	0.00222
2094 Apr	0.00045	0.00226	0.0858	0.0000115	16.4	15.6	0.136	0.0063	33.8	0.00874	0.0133	0.000939	0.00193	0.000849	0.791	0.0000152	0.00346	0.000923	0.0024	0.00222
2094 May	0.00045	0.00226	0.0858	0.0000115	16.4	15.6	0.136	0.0063	33.8	0.00875	0.0133	0.00094	0.00193	0.00085	0.792	0.0000152	0.00346	0.000923	0.0024	0.00222
2094 Jun	0.000451	0.00227	0.086	0.0000115	16.5	15.7	0.137	0.00632	33.8	0.00876	0.0133	0.000943	0.00193	0.000852	0.794	0.0000152	0.00347	0.000925	0.0024	0.00223
2094 Jul	0.000452	0.00227	0.0862	0.0000115	16.5	15.7	0.137	0.00634	33.9	0.00879	0.0133	0.000945	0.00194	0.000854	0.796	0.0000153	0.00348	0.000927	0.00241	0.00223
2094 Aug	0.000454	0.00228	0.0864	0.0000116	16.6	15.7	0.137	0.00636	34	0.00881	0.0134	0.000948	0.00194	0.000857	0.799	0.0000153	0.00349	0.00093	0.00241	0.00224
2094 Sep	0.000454	0.00228	0.0864	0.0000116	16.6	15.7	0.137	0.00636	34	0.00881	0.0134	0.000948	0.00194	0.000857	0.799	0.0000153	0.00349	0.00093	0.00241	0.00224
2094 Oct	0.000454	0.00228	0.0864	0.0000116	16.6	15.8	0.138	0.00637	33.9	0.00882	0.0134	0.00095	0.00195	0.000859	0.801	0.0000154	0.0035	0.00093	0.00241	0.00224
2094 Nov	0.000455	0.00228	0.0864	0.0000116	16.7	15.8	0.138	0.00639	33.9	0.00884	0.0134	0.000952	0.00195	0.000861	0.803	0.0000154	0.00351	0.000931	0.00241	0.00225
2094 Dec	0.000455	0.00228	0.0864	0.0000116	16.7	15.8	0.138	0.0064	33.9	0.00884	0.0134	0.000952	0.00195	0.000861	0.803	0.0000154	0.00351	0.000931	0.00241	0.00225
2095 Jan	0.000455	0.00228	0.0864	0.0000116	16.7	15.8	0.138	0.0064	33.9	0.00884	0.0134	0.000953	0.00195	0.000861	0.803	0.0000154	0.00351	0.000931	0.00241	0.00225
2095 Feb	0.000455	0.00228	0.0864	0.0000116	16.7	15.8	0.138	0.0064	33.9	0.00884	0.0134	0.000953	0.00195	0.000861	0.803	0.0000154	0.00352	0.000931	0.00241	0.00225
2095 Mar	0.000455	0.00228	0.0864	0.0000116	16.7	15.8	0.138	0.0064	33.9	0.00884	0.0134	0.000953	0.00195	0.000861	0.803	0.0000154	0.00352	0.000931	0.00241	0.00225
2095 Apr	0.000455	0.00228	0.0864	0.0000116	16.7	15.8	0.138	0.0064	33.9	0.00884	0.0134	0.000953	0.00195	0.000861	0.803	0.0000154	0.00352	0.000931	0.00241	0.00225
2095 May	0.000455	0.00229	0.0865	0.0000116	16.7	15.8	0.138	0.00641	33.9	0.00885	0.0134	0.000954	0.00196	0.000862	0.804	0.0000154	0.00352	0.000932	0.00241	0.00225
2095 Jun	0.000456	0.00229	0.0866	0.0000116	16.7	15.9	0.138	0.00642	34	0.00887	0.0134	0.000957	0.00196	0.000864	0.806	0.0000155	0.00353	0.000934	0.00242	0.00225
2095 Jul	0.000458	0.0023	0.0869	0.0000116	16.8	15.9	0.139	0.00644	34	0.00889	0.0134	0.000959	0.00197	0.000867	0.808	0.0000155	0.00354	0.000936	0.00242	0.00226
2095 Aug	0.000458	0.0023	0.0869	0.0000116	16.8	15.9	0.139	0.00645	34.1	0.0089	0.0134	0.00096	0.00197	0.000867	0.809	0.0000155	0.00354	0.000937	0.00242	0.00226
2095 Sep	0.000458	0.0023	0.0869	0.0000116	16.8	15.9	0.139	0.00646	34.1	0.00891	0.0134	0.000962	0.00197	0.000869	0.81	0.0000155	0.00355	0.000938	0.00243	0.00227
2095 Oct	0.000459	0.0023	0.087	0.0000116	16.8	16	0.139	0.00647	34.1	0.00892	0.0134	0.000963	0.00197	0.000871	0.812	0.0000156	0.00356	0.000939	0.00243	0.00227
2095 Nov	0.00046	0.0023	0.087	0.0000116	16.9	16	0.14	0.00649	34.1	0.00894	0.0134	0.000965	0.00198	0.000872	0.813	0.0000156	0.00357	0.000939	0.00243	0.00227
2095 Dec	0.00046	0.0023	0.087	0.0000116	16.9	16	0.14	0.00649	34.1	0.00894	0.0134	0.000965	0.00198	0.000873	0.814	0.0000156	0.00357	0.000939	0.00243	0.00227
2096 Jan	0.00046	0.0023	0.087	0.0000116	16.9	16	0.14	0.00649	34.1	0.00894	0.0134	0.000965	0.00198	0.000873	0.814	0.0000156	0.00357	0.000939	0.00243	0.00227
2096 Feb	0.00046	0.0023	0.087	0.0000116	16.9	16	0.14	0.00649	34.1	0.00894	0.0134	0.000965	0.00198	0.000873	0.814	0.0000156	0.00357	0.00094	0.00243	0.00227
2096 Mar	0.00046	0.0023	0.087	0.0000116	16.9	16	0.14	0.00649	34.1	0.00894	0.0134	0.000965	0.00198	0.000873	0.814	0.0000156	0.00357	0.00094	0.00243	0.00227
2096 Apr	0.00046	0.00231	0.087	0.0000116	16.9	16	0.14	0.00649	34.1	0.00894	0.0134	0.000966	0.00198	0.000873	0.814	0.0000156	0.00357	0.00094	0.00243	0.00227
2096 May	0.00046	0.00231	0.0871	0.0000117	16.9	16	0.14	0.0065	34.1	0.00895	0.0134	0.000967	0.00198	0.000874	0.815	0.0000156	0.00357	0.000941	0.00243	0.00228
2096 Jun	0.000462	0.00231	0.0872	0.0000117	17	16.1	0.141	0.00655	34	0.00898	0.0134	0.000973	0.00199	0.000879	0.82	0.0000157	0.0036	0.000943	0.00243	0.00229
2096 Jul	0.000463	0.00232	0.0874	0.0000117	17.1	16.1	0.141	0.00657	34.1	0.009	0.0134	0.000976	0.002	0.000881	0.822	0.0000158	0.00361	0.000945	0.00244	0.00229
2096 Aug	0.000464	0.00232	0.0876	0.0000117	17.1	16.2	0.141	0.00659	34.2	0.00902	0.0134	0.000978	0.002	0.000883	0.824	0.0000158	0.00362	0.000947	0.00244	0.0023
2096 Sep	0.000464	0.00232	0.0876	0.0000117	17.1	16.2	0.141	0.0066	34.2	0.00903	0.0134	0.000979	0.002	0.000884	0.825	0.0000159	0.00362	0.000947	0.00244	0.0023
2096 Oct	0.000465	0.00232	0.0875	0.0000117	17.2	16.2	0.142	0.00662	34.1	0.00905	0.0134	0.000981	0.00201	0.000887	0.827	0.0000159	0.00363	0.000948	0.00244	0.0023
2096 Nov	0.000465	0.00232	0.0875	0.0000117	17.2	16.2	0.142	0.00663	34.1	0.00905	0.0134	0.000982	0.00201	0.000887	0.828	0.0000159	0.00364	0.000948	0.00244	0.00231
2096 Dec	0.000465	0.00232	0.0875	0.0000117	17.2	16.2	0.142	0.00663	34.1	0.00905	0.0134	0.000982	0.00201	0.000887	0.828	0.0000159	0.00364	0.000948	0.00244	0.00231
2097 Jan	0.000465	0.00232	0.0875	0.0000117	17.2	16.2	0.142	0.00663	34.1	0.00905	0.0134	0.000982	0.00201	0.000887	0.828	0.0000159	0.00364	0.000948	0.00244	0.00231
2097 Feb	0.000465	0.00232	0.0875	0.0000117	17.2	16.2	0.142	0.00663	34.1	0.00905	0.0134	0.000982	0.00201	0.000887	0.828	0.0000159	0.00364	0.000948	0.00244	0.00231
2097 Mar	0.000465	0.00233	0.0875	0.0000117	17.2	16.2	0.142	0.00663	34.1	0.00905	0.0134	0.000982	0.00201	0.000887	0.828	0.0000159	0.00364	0.000948	0.00244	0.00231
2097 Apr	0.000465	0.00233	0.0876	0.0000117	17.2	16.2	0.142	0.00663	34.1	0.00905	0.0134	0.000982	0.00201	0.000888	0.828	0.0000159	0.00364	0.000949	0.00245	0.00231
2097 May	0.000466	0.00233	0.0876	0.0000117	17.2	16.2	0.142	0.00663	34.2	0.00906	0.0134	0.000983	0.00201	0.000888	0.828	0.0000159	0.00364	0.000949	0.00245	0.00231
2097 Jun	0.000466	0.00233	0.0878	0.0000117	17.3	16.3	0.142	0.00665	34.2	0.00907	0.0134	0.000985	0.00201	0.00089	0.83	0.000016	0.00365	0.00095	0.00245	0.00231
2097 Jul	0.000467	0.00233	0.088	0.0000118	17.3	16.3	0.143	0.00667	34.2	0.00909	0.0135	0.000988	0.00202	0.000892	0.832	0.000016	0.00366	0.000953	0.00245	0.00232
2097 Aug	0.000468	0.00234	0.0881	0.0000118	17.3	16.3	0.143	0.00668	34.3	0.0091	0.0135	0.000989	0.00202	0.000894	0.833	0.000016	0.00366	0.000954	0.00246	0.00232
2097 Sep	0.000468	0.00234	0.0882	0.0000118	17.4	16.3	0.143	0.00668	34.3	0.00911	0.0135	0.00099	0.00202	0.000894	0.834	0.000016	0.00366	0.000955	0.00246	0.00232
2097 Oct	0.000468	0.00234	0.0882	0.0000118	17.4	16.3	0.143	0.00668	34.3	0.00911	0.0135	0.00099	0.00202	0.000894	0.834	0.000016	0.00366	0.000955	0.00246	0.00232
2097 Nov	0.000468	0.00234	0.0881	0.0000118	17.4	16.3	0.143	0.00669	34.3	0.00911	0.0135	0.00099	0.00202	0.000895	0.834	0.0000161	0.00367	0.000955	0.00246	0.00232

Appendix D.3-2: TIRI Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2097 Dec	0.000469	0.00234	0.0881	0.0000118	17.4	16.3	0.143	0.00669	34.3	0.00911	0.0135	0.00099	0.00202	0.000895	0.834	0.0000161	0.00367	0.000955	0.00246	0.00232
2098 Jan	0.000469	0.00234	0.0881	0.0000118	17.4	16.3	0.143	0.00669	34.3	0.00911	0.0135	0.00099	0.00202	0.000895	0.834	0.0000161	0.00367	0.000955	0.00246	0.00232
2098 Feb	0.000469	0.00234	0.0881	0.0000118	17.4	16.3	0.143	0.00669	34.3	0.00911	0.0135	0.00099	0.00202	0.000895	0.834	0.0000161	0.00367	0.000955	0.00246	0.00232
2098 Mar	0.000469	0.00234	0.0881	0.0000118	17.4	16.3	0.143	0.00669	34.3	0.00911	0.0135	0.00099	0.00202	0.000895	0.834	0.0000161	0.00367	0.000955	0.00246	0.00232
2098 Apr	0.000469	0.00234	0.0882	0.0000118	17.4	16.3	0.143	0.00669	34.3	0.00911	0.0135	0.00099	0.00203	0.000895	0.835	0.0000161	0.00367	0.000955	0.00246	0.00232
2098 May	0.000469	0.00234	0.0883	0.0000118	17.4	16.4	0.143	0.00671	34.3	0.00913	0.0135	0.000993	0.00203	0.000897	0.836	0.0000161	0.00368	0.000956	0.00246	0.00233
2098 Jun	0.000471	0.00234	0.0885	0.0000118	17.5	16.4	0.144	0.00675	34.2	0.00914	0.0135	0.000997	0.00203	0.0009	0.839	0.0000162	0.00369	0.000958	0.00246	0.00233
2098 Jul	0.000472	0.00235	0.0887	0.0000118	17.5	16.5	0.144	0.00677	34.3	0.00917	0.0135	0.001	0.00204	0.000903	0.842	0.0000163	0.0037	0.000961	0.00247	0.00234
2098 Aug	0.000472	0.00235	0.0888	0.0000118	17.5	16.5	0.144	0.00678	34.3	0.00917	0.0135	0.001	0.00204	0.000903	0.842	0.0000163	0.0037	0.000961	0.00247	0.00234
2098 Sep	0.000473	0.00236	0.0888	0.0000118	17.6	16.5	0.145	0.00681	34.3	0.00919	0.0135	0.001	0.00205	0.000906	0.845	0.0000163	0.00372	0.000962	0.00247	0.00235
2098 Oct	0.000474	0.00236	0.0888	0.0000118	17.7	16.6	0.145	0.00683	34.3	0.00921	0.0135	0.00101	0.00205	0.000909	0.847	0.0000164	0.00373	0.000963	0.00247	0.00235
2098 Nov	0.000474	0.00236	0.0888	0.0000118	17.7	16.6	0.145	0.00684	34.2	0.00921	0.0135	0.00101	0.00205	0.00091	0.848	0.0000164	0.00373	0.000963	0.00247	0.00235
2098 Dec	0.000474	0.00236	0.0888	0.0000118	17.7	16.6	0.145	0.00684	34.2	0.00921	0.0135	0.00101	0.00205	0.00091	0.848	0.0000164	0.00373	0.000963	0.00247	0.00235
2099 Jan	0.000474	0.00236	0.0888	0.0000118	17.7	16.6	0.145	0.00684	34.2	0.00921	0.0135	0.00101	0.00205	0.00091	0.848	0.0000164	0.00373	0.000963	0.00247	0.00235
2099 Feb	0.000474	0.00236	0.0888	0.0000118	17.7	16.6	0.145	0.00684	34.2	0.00921	0.0135	0.00101	0.00205	0.00091	0.848	0.0000164	0.00373	0.000963	0.00247	0.00235
2099 Mar	0.000474	0.00236	0.0888	0.0000118	17.7	16.6	0.145	0.00684	34.3	0.00921	0.0135	0.00101	0.00205	0.00091	0.848	0.0000164	0.00373	0.000964	0.00247	0.00235
2099 Apr	0.000474	0.00236	0.0888	0.0000118	17.7	16.6	0.145	0.00684	34.3	0.00922	0.0135	0.00101	0.00205	0.00091	0.848	0.0000164	0.00373	0.000964	0.00247	0.00235
2099 May	0.000475	0.00236	0.089	0.0000118	17.7	16.6	0.146	0.00685	34.2	0.00922	0.0135	0.00101	0.00206	0.000911	0.849	0.0000164	0.00374	0.000965	0.00247	0.00235
2099 Jun	0.000475	0.00236	0.0891	0.0000118	17.7	16.6	0.146	0.00686	34.2	0.00922	0.0135	0.00101	0.00206	0.000911	0.849	0.0000165	0.00374	0.000965	0.00247	0.00235
2099 Jul	0.000477	0.00236	0.0894	0.0000119	17.8	16.6	0.146	0.00689	34.2	0.00924	0.0135	0.00101	0.00206	0.000914	0.852	0.0000165	0.00375	0.000968	0.00248	0.00236
2099 Aug	0.000478	0.00237	0.0895	0.0000119	17.8	16.7	0.146	0.0069	34.3	0.00926	0.0135	0.00102	0.00207	0.000916	0.854	0.0000166	0.00376	0.00097	0.00248	0.00236
2099 Sep	0.000478	0.00237	0.0895	0.0000119	17.8	16.7	0.147	0.00691	34.3	0.00927	0.0135	0.00102	0.00207	0.000917	0.854	0.0000166	0.00376	0.00097	0.00248	0.00237
2099 Oct	0.000479	0.00237	0.0895	0.0000119	17.9	16.7	0.147	0.00693	34.3	0.00928	0.0135	0.00102	0.00207	0.000919	0.856	0.0000166	0.00377	0.00097	0.00248	0.00237
2099 Nov	0.000479	0.00237	0.0895	0.0000119	17.9	16.7	0.147	0.00694	34.3	0.00929	0.0135	0.00102	0.00207	0.00092	0.857	0.0000166	0.00378	0.000971	0.00248	0.00237
2099 Dec	0.000479	0.00237	0.0895	0.0000119	17.9	16.7	0.147	0.00694	34.3	0.00929	0.0135	0.00102	0.00207	0.00092	0.857	0.0000166	0.00378	0.000971	0.00248	0.00237
2100 Jan	0.000479	0.00237	0.0895	0.0000119	17.9	16.7	0.147	0.00694	34.3	0.00929	0.0135	0.00102	0.00207	0.00092	0.857	0.0000166	0.00378	0.000971	0.00248	0.00237
2100 Feb	0.000479	0.00237	0.0895	0.0000119	17.9	16.7	0.147	0.00694	34.3	0.00929	0.0135	0.00102	0.00207	0.00092	0.857	0.0000166	0.00378	0.000971	0.00248	0.00237
2100 Mar	0.000479	0.00237	0.0895	0.0000119	17.9	16.7	0.147	0.00694	34.3	0.00929	0.0135	0.00102	0.00207	0.00092	0.857	0.0000166	0.00378	0.000971	0.00248	0.00237
2100 Apr	0.000479	0.00237	0.0895	0.0000119	17.9	16.7	0.147	0.00694	34.3	0.00929	0.0135	0.00102	0.00207	0.00092	0.858	0.0000166	0.00378	0.000971	0.00248	0.00237
2100 May	0.00048	0.00238	0.0896	0.0000119	17.9	16.7	0.147	0.00695	34.3	0.0093	0.0135	0.00102	0.00208	0.000921	0.858	0.0000167	0.00378	0.000972	0.00248	0.00238
2100 Jun	0.00048	0.00237	0.0898	0.0000119	17.9	16.8	0.147	0.00697	34.1	0.00929	0.0135	0.00102	0.00208	0.000922	0.859	0.0000167	0.00379	0.000972	0.00248	0.00237
2100 Jul	0.000481	0.00238	0.0899	0.0000119	18	16.8	0.148	0.00698	34.2	0.0093	0.0135	0.00102	0.00208	0.000924	0.861	0.0000167	0.0038	0.000973	0.00248	0.00238
2100 Aug	0.000481	0.00238	0.0899	0.0000119	18	16.8	0.148	0.007	34.2	0.00932	0.0135	0.00103	0.00208	0.000925	0.862	0.0000168	0.0038	0.000974	0.00248	0.00238
2100 Sep	0.000482	0.00238	0.09	0.0000119	18	16.8	0.148	0.00701	34.2	0.00933	0.0135	0.00103	0.00209	0.000927	0.863	0.0000168	0.00381	0.000975	0.00249	0.00238
2100 Oct	0.000482	0.00238	0.09	0.0000119	18.1	16.8	0.148	0.00702	34.2	0.00934	0.0135	0.00103	0.00209	0.000928	0.864	0.0000168	0.00381	0.000976	0.00249	0.00239
2100 Nov	0.000482	0.00238	0.09	0.0000119	18.1	16.8	0.148	0.00702	34.2	0.00934	0.0135	0.00103	0.00209	0.000928	0.864	0.0000168	0.00381	0.000976	0.00249	0.00239
2100 Dec	0.000482	0.00238	0.09	0.0000119	18.1	16.8	0.148	0.00702	34.2	0.00934	0.0135	0.00103	0.00209	0.000928	0.865	0.0000168	0.00381	0.000976	0.00249	0.00239
2101 Jan	0.000482	0.00238	0.09	0.0000119	18.1	16.8	0.148	0.00702	34.2	0.00934	0.0135	0.00103	0.00209	0.000928	0.865	0.0000168	0.00381	0.000976	0.00249	0.00239
2101 Feb	0.000482	0.00238	0.09	0.0000119	18.1	16.8	0.148	0.00702	34.2	0.00934	0.0135	0.00103	0.00209	0.000928	0.865	0.0000168	0.00381	0.000976	0.00249	0.00239
2101 Mar	0.000482	0.00238	0.09	0.0000119	18.1	16.8	0.148	0.00702	34.2	0.00934	0.0135	0.00103	0.00209	0.000928	0.865	0.0000168	0.00382	0.000976	0.00249	0.00239
2101 Apr	0.000482	0.00238	0.09	0.0000119	18.1	16.8	0.148	0.00702	34.2	0.00934	0.0135	0.00103	0.00209	0.000928	0.865	0.0000168	0.00382	0.000976	0.00249	0.00239
2101 May	0.000483	0.00238	0.0901	0.0000119	18.1	16.9	0.148	0.00703	34.2	0.00934	0.0135	0.00103	0.00209	0.000929	0.865	0.0000168	0.00382	0.000977	0.00249	0.00239
2101 Jun	0.000483	0.00238	0.0902	0.0000119	18.1	16.9	0.149	0.00704	34.1	0.00934	0.0135	0.00103	0.00209	0.000929	0.866	0.0000169	0.00382	0.000977	0.00249	0.00239
2101 Jul	0.000484	0.00239	0.0904	0.0000119	18.1	16.9	0.149	0.00706	34.2	0.00936	0.0135	0.00103	0.0021	0.000932	0.868	0.0000169	0.00383	0.000979	0.00249	0.00239
2101 Aug	0.000486	0.00239	0.0906	0.0000119	18.2	16.9	0.149	0.00707	34.2	0.00938	0.0135	0.00104	0.0021	0.000934	0.87	0.0000169	0.00384	0.000982	0.0025	0.0024
2101 Sep	0.000485	0.00239	0.0906	0.0000119	18.2	16.9	0.149	0.00707	34.2	0.00938	0.0135	0.00104	0.0021	0.000933	0.869	0.0000169	0.00384	0.000981	0.0025	0.0024
2101 Oct	0.000486	0.00239	0.0906	0.0000119	18.2	16.9	0.149	0.00708	34.2	0.00939	0.0135	0.00104	0.0021	0.000934	0.87	0.000017	0.00384	0.000981	0.0025	0.0024
2101 Nov	0.000486	0.00239	0.0906	0.0000119	18.2	17	0.149	0.00709	34.2	0.0094	0.0135	0.00104	0.0021	0.000935	0.871	0.000017	0.00385	0.000982	0.0025	0.0024
2101 Dec	0.000486	0.00239	0.0906	0.0000119	18.2	17	0.149	0.00709	34.2	0.0094	0.0135	0.00104	0.0021	0.000935	0.871	0.000017	0.00385	0.000982	0.0025	0.0024
2102 Jan	0.000486	0.00239	0.0906	0.0000119	18.2	17	0.149	0.00709	34.2	0.0094	0.0135	0.00104	0.0021	0.000935	0.871	0.000017	0.00385	0.000982	0.0025	0.0024
2102 Feb	0.000486	0.00239	0.0906	0.0000119	18.2	17	0.149	0.00709	34.2	0.0094	0.0135	0.00104	0.0021	0.000935	0.871	0.000017	0.00385	0.000982	0.0025	0.0024
2102 Mar	0.000486	0.00239	0.0906	0.0000119	18.2	17	0.149	0.00709	34.2	0.0094	0.0135	0.00104	0.0021	0.000935	0.871	0.000017	0.00385	0.000982	0.0025	0.0024
2102 Apr	0.000486	0.00239	0.0906	0.0000119	18.2	17	0.149	0.00709	34.2	0.0094	0.0135	0.00104	0.0021	0.000936	0.872	0.000017	0.00385	0.000982	0.0025	0.0024
2102 May	0.000486	0.0024	0.0906	0.0000119	18.2	17	0.15	0.0071	34.2	0.0094	0.0135	0.00104	0.00211	0.000936	0.872	0.000017	0.00385	0.000983	0.0025	0.0024
2102 Jun	0.000486	0.00239	0.0907	0.0000119	18.3	17	0.15	0.00711	34.1	0.0094	0.0135	0.00104	0.00211	0.000937	0.872	0.000017	0.00385	0.000982	0.0025	0.0024
2102 Jul	0.000487	0.00239	0.0908	0.0000119	18.3	17	0.15	0.00713	34.1	0.00941	0.0135	0.00104	0.00211	0.000938	0.874	0.0000171	0.00386	0.000983	0.0025	0.00241
2102 Aug	0.000488	0.0024	0.0909	0.0000119	18.3	17	0.15	0.00714	34.2	0.00942	0.0135	0.00104	0.00211	0.00094	0.875	0.0000171	0.00387	0.000985	0.0025	0.00241
2102 Sep	0.000488	0.0024	0.0909	0.000012	18.3	17	0.15	0.00714	34.2	0.00943	0.0135	0.00104	0.00211	0.00094	0.876	0.0000171	0.00387	0.000985	0.0025	0.00241
2102 Oct	0.000488	0.0024	0.0908	0.0000119	18.4	17	0.15	0.00715	34.1	0.00943	0.0135	0.00104	0.00211	0.000941	0.876	0.0000171	0.00387	0.000985	0.0025	0.00241
2102 Nov	0.000488	0.0024	0.0909	0.0000119	18.4	17	0.15	0.00715	34.1	0.00943	0.0135	0.00105	0.00212	0.000941	0.876	0.0000171	0.00387	0.000985	0.0025	0.00241
2102 Dec	0.000488	0.0024	0.0909	0.0000119	18.4	17	0.15	0.00715	34.1	0.00943	0.0135	0.00105	0.00212	0.000941	0.876	0.0000171	0.00387	0.000985	0.0025	0.00241
2103 Jan	0.000488	0.0024	0.0909	0.0000119	18.4	17	0.15	0.00715	34.1	0.00943	0.0135	0.00105	0.00212	0.000941	0.876	0.0000171	0.00387	0.000985	0.0025	0.00241
2103 Feb	0.000488	0.0024	0.0909	0.0000119	18.4	17	0.15	0.00715	34.1	0.00943	0.0135	0.00105	0.00212	0.000941	0.876	0.0000171	0.00387	0.000985	0.0025	0.00241
2103 Mar	0.000488	0.0024	0.0909	0.0000119	18.4	17.1	0.15	0.00715	34.1	0.00943	0.0135	0.00105	0.00212	0.000941	0.876	0.0000171	0.00387	0.000985	0.0025	0.00241
2103 Apr	0.000488	0.0024	0.0909	0.0000119	18.4	17.1	0.15	0.00716	34.1	0.00943	0.0135	0.00105	0.00212	0.000941	0.877	0.0000172	0.00387	0.000985	0.0025	0.00241
2103 May	0.000489	0.0024	0.091	0.000012	18.4	17.1	0.151	0.00717	34.1	0.00944	0.0135	0.00105	0.00212	0.000942	0.878	0.0000172	0.00388	0.000986	0.0025	0.00242
2103 Jun	0.000489	0.0024	0.091	0.0000119	18.4	17.1	0.151	0.00718	34	0.00943	0.0135	0.00105	0.00212	0.000943	0.878	0.0000172	0.00388	0.000986	0.0025	0.00241
2103 Jul	0.000489	0.0024	0.0912	0.0000119	18.4	17.1	0.151	0.00719	34	0.00944	0.0135	0.00105	0.00212	0.000944	0.879	0.0000172	0.00389	0.000987	0.0025	0.00242
2103 Aug	0.00049	0.0024	0.0912	0.000012	18.5	17.1	0.151	0.00721	34	0.00946	0.0135	0.00105	0.00213	0.000947	0.882	0.0000173	0.0039	0.000989	0.00251	0.00242
2103 Sep	0.000491	0.00241	0.0912	0.000012	18.5	17.1	0.151	0.00723	34	0.00947	0.0135	0.00105	0.00213	0.000948	0.883	0.0000173	0.00391	0.000989	0.00251	0.00243
2103 Oct	0.00049	0.0024	0.0912	0.0000119	18.5	17.1	0.151	0.00723	34	0.00947	0.0135	0.00105	0.00213	0.000948	0.883	0.0000173	0.00391	0.000988	0.0025	0.00243
2103 Nov	0.00049	0.0024	0.0911	0.0000119	18.5	17.1	0.151	0.00723	33.9	0.00947	0.0134	0.00105	0.00213	0.000948	0.883	0.0000173	0.00391	0.000988	0.0025	0.00243

Appendix D.3-2: TIRI Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2103 Dec	0.00049	0.0024	0.0911	0.0000119	18.5	17.1	0.151	0.00723	33.9	0.00947	0.0134	0.00105	0.00213	0.000948	0.883	0.0000173	0.00391	0.000988	0.0025	0.00243
2104 Jan	0.00049	0.0024	0.0911	0.0000119	18.5	17.1	0.151	0.00723	33.9	0.00947	0.0134	0.00105	0.00213	0.000948	0.883	0.0000173	0.00391	0.000988	0.0025	0.00243
2104 Feb	0.00049	0.0024	0.0911	0.0000119	18.5	17.1	0.151	0.00723	33.9	0.00947	0.0134	0.00105	0.00213	0.000948	0.883	0.0000173	0.00391	0.000988	0.0025	0.00243
2104 Mar	0.00049	0.0024	0.0911	0.0000119	18.5	17.1	0.151	0.00723	33.9	0.00947	0.0134	0.00105	0.00213	0.000948	0.883	0.0000173	0.00391	0.000988	0.0025	0.00243
2104 Apr	0.000491	0.0024	0.0912	0.0000119	18.5	17.2	0.151	0.00723	34	0.00947	0.0135	0.00105	0.00213	0.000949	0.883	0.0000173	0.00391	0.000988	0.0025	0.00243
2104 May	0.000491	0.0024	0.0913	0.0000119	18.5	17.2	0.152	0.00724	33.9	0.00947	0.0135	0.00105	0.00213	0.000949	0.883	0.0000173	0.00391	0.000989	0.0025	0.00243
2104 Jun	0.00049	0.0024	0.0913	0.0000119	18.5	17.1	0.151	0.00723	33.8	0.00945	0.0134	0.00105	0.00213	0.000948	0.882	0.0000173	0.00391	0.000988	0.0025	0.00242
2104 Jul	0.000491	0.0024	0.0914	0.0000119	18.5	17.2	0.152	0.00725	33.9	0.00947	0.0134	0.00106	0.00213	0.00095	0.884	0.0000174	0.00391	0.000989	0.0025	0.00243
2104 Aug	0.000492	0.00241	0.0915	0.000012	18.6	17.2	0.152	0.00726	33.9	0.00948	0.0134	0.00106	0.00213	0.000951	0.886	0.0000174	0.00392	0.000991	0.00251	0.00243
2104 Sep	0.000492	0.00241	0.0915	0.000012	18.6	17.2	0.152	0.00728	33.9	0.00949	0.0134	0.00106	0.00214	0.000953	0.887	0.0000174	0.00393	0.000991	0.00251	0.00243
2104 Oct	0.000492	0.00241	0.0914	0.0000119	18.6	17.2	0.152	0.00728	33.8	0.00949	0.0134	0.00106	0.00214	0.000953	0.887	0.0000174	0.00393	0.000991	0.00251	0.00243
2104 Nov	0.000492	0.00241	0.0914	0.0000119	18.6	17.2	0.152	0.00728	33.8	0.00949	0.0134	0.00106	0.00214	0.000953	0.887	0.0000174	0.00393	0.000991	0.0025	0.00243
2104 Dec	0.000492	0.00241	0.0914	0.0000119	18.6	17.2	0.152	0.00728	33.8	0.00949	0.0134	0.00106	0.00214	0.000953	0.887	0.0000174	0.00393	0.000991	0.0025	0.00243
2105 Jan	0.000492	0.00241	0.0914	0.0000119	18.6	17.2	0.152	0.00728	33.8	0.00949	0.0134	0.00106	0.00214	0.000953	0.887	0.0000174	0.00393	0.000991	0.0025	0.00243
2105 Feb	0.000492	0.00241	0.0914	0.0000119	18.6	17.2	0.152	0.00728	33.8	0.00949	0.0134	0.00106	0.00214	0.000953	0.887	0.0000174	0.00393	0.000991	0.0025	0.00243
2105 Mar	0.000492	0.00241	0.0914	0.0000119	18.6	17.2	0.152	0.00728	33.8	0.00949	0.0134	0.00106	0.00214	0.000953	0.887	0.0000174	0.00393	0.000991	0.0025	0.00243
2105 Apr	0.000492	0.00241	0.0915	0.0000119	18.6	17.2	0.152	0.00728	33.8	0.00949	0.0134	0.00106	0.00214	0.000953	0.887	0.0000174	0.00393	0.000991	0.00251	0.00243
2105 May	0.000493	0.00241	0.0915	0.0000119	18.6	17.2	0.152	0.00729	33.8	0.0095	0.0134	0.00106	0.00214	0.000953	0.887	0.0000174	0.00393	0.000991	0.00251	0.00243
2105 Jun	0.000493	0.00241	0.0916	0.0000119	18.6	17.2	0.152	0.0073	33.8	0.0095	0.0134	0.00106	0.00214	0.000954	0.888	0.0000175	0.00393	0.000992	0.00251	0.00243
2105 Jul	0.000494	0.00241	0.0918	0.000012	18.7	17.3	0.153	0.00731	33.8	0.00952	0.0134	0.00106	0.00214	0.000956	0.89	0.0000175	0.00394	0.000993	0.00251	0.00244
2105 Aug	0.000495	0.00242	0.0918	0.000012	18.7	17.3	0.153	0.00734	33.8	0.00954	0.0134	0.00107	0.00215	0.000959	0.892	0.0000176	0.00396	0.000995	0.00251	0.00245
2105 Sep	0.000495	0.00242	0.0917	0.0000119	18.8	17.3	0.153	0.00735	33.7	0.00954	0.0134	0.00107	0.00215	0.00096	0.893	0.0000176	0.00396	0.000994	0.00251	0.00245
2105 Oct	0.000495	0.00241	0.0916	0.0000119	18.8	17.3	0.153	0.00735	33.7	0.00954	0.0134	0.00107	0.00215	0.00096	0.893	0.0000176	0.00396	0.000994	0.00251	0.00245
2105 Nov	0.000495	0.00241	0.0916	0.0000119	18.8	17.3	0.153	0.00735	33.7	0.00954	0.0134	0.00107	0.00215	0.00096	0.893	0.0000176	0.00396	0.000994	0.00251	0.00245
2105 Dec	0.000495	0.00241	0.0916	0.0000119	18.8	17.3	0.153	0.00735	33.7	0.00954	0.0134	0.00107	0.00215	0.00096	0.893	0.0000176	0.00396	0.000994	0.00251	0.00245
2106 Jan	0.000495	0.00241	0.0916	0.0000119	18.8	17.3	0.153	0.00735	33.7	0.00954	0.0134	0.00107	0.00215	0.00096	0.893	0.0000176	0.00396	0.000994	0.00251	0.00245
2106 Feb	0.000495	0.00241	0.0916	0.0000119	18.8	17.3	0.153	0.00735	33.7	0.00954	0.0134	0.00107	0.00215	0.00096	0.893	0.0000176	0.00396	0.000994	0.00251	0.00245
2106 Mar	0.000495	0.00241	0.0916	0.0000119	18.8	17.3	0.153	0.00735	33.7	0.00954	0.0134	0.00107	0.00215	0.00096	0.893	0.0000176	0.00396	0.000994	0.00251	0.00245
2106 Apr	0.000495	0.00241	0.0916	0.0000119	18.8	17.3	0.153	0.00736	33.7	0.00954	0.0134	0.00107	0.00215	0.00096	0.894	0.0000176	0.00396	0.000994	0.00251	0.00245
2106 May	0.000495	0.00242	0.0917	0.0000119	18.8	17.3	0.153	0.00736	33.7	0.00955	0.0134	0.00107	0.00215	0.000961	0.894	0.0000176	0.00397	0.000995	0.00251	0.00245
2106 Jun	0.000495	0.00241	0.0917	0.0000119	18.8	17.3	0.153	0.00735	33.6	0.00953	0.0133	0.00107	0.00215	0.000959	0.893	0.0000176	0.00396	0.000993	0.0025	0.00244
2106 Jul	0.000496	0.00241	0.0918	0.0000119	18.8	17.3	0.153	0.00737	33.6	0.00955	0.0134	0.00107	0.00215	0.000961	0.895	0.0000176	0.00397	0.000995	0.00251	0.00245
2106 Aug	0.000497	0.00242	0.0918	0.0000119	18.9	17.4	0.154	0.0074	33.6	0.00957	0.0134	0.00108	0.00216	0.000964	0.898	0.0000177	0.00399	0.000996	0.00251	0.00246
2106 Sep	0.000497	0.00242	0.0917	0.0000119	18.9	17.4	0.154	0.00741	33.5	0.00958	0.0133	0.00108	0.00216	0.000965	0.899	0.0000177	0.00399	0.000996	0.00251	0.00246
2106 Oct	0.000497	0.00242	0.0917	0.0000119	18.9	17.4	0.154	0.00741	33.5	0.00958	0.0133	0.00108	0.00216	0.000966	0.899	0.0000177	0.00399	0.000996	0.00251	0.00246
2106 Nov	0.000497	0.00242	0.0917	0.0000119	18.9	17.4	0.154	0.00741	33.5	0.00958	0.0133	0.00108	0.00216	0.000966	0.899	0.0000177	0.00399	0.000996	0.00251	0.00246
2106 Dec	0.000497	0.00242	0.0917	0.0000119	18.9	17.4	0.154	0.00741	33.5	0.00958	0.0133	0.00108	0.00216	0.000966	0.899	0.0000177	0.00399	0.000996	0.00251	0.00246
2107 Jan	0.000497	0.00242	0.0917	0.0000119	18.9	17.4	0.154	0.00741	33.5	0.00958	0.0133	0.00108	0.00216	0.000966	0.899	0.0000177	0.00399	0.000996	0.00251	0.00246
2107 Feb	0.000497	0.00242	0.0917	0.0000119	18.9	17.4	0.154	0.00741	33.5	0.00958	0.0133	0.00108	0.00216	0.000966	0.899	0.0000177	0.00399	0.000996	0.00251	0.00246
2107 Mar	0.000497	0.00242	0.0917	0.0000119	18.9	17.4	0.154	0.00741	33.5	0.00958	0.0133	0.00108	0.00216	0.000966	0.899	0.0000177	0.00399	0.000996	0.00251	0.00246
2107 Apr	0.000497	0.00242	0.0918	0.0000119	18.9	17.4	0.154	0.00741	33.5	0.00958	0.0133	0.00108	0.00216	0.000966	0.899	0.0000177	0.00399	0.000996	0.00251	0.00246
2107 May	0.000497	0.00242	0.0918	0.0000119	18.9	17.4	0.154	0.00741	33.5	0.00958	0.0133	0.00108	0.00216	0.000966	0.899	0.0000177	0.004	0.000996	0.00251	0.00246
2107 Jun	0.000497	0.00242	0.0918	0.0000119	18.9	17.4	0.154	0.00741	33.5	0.00958	0.0133	0.00108	0.00216	0.000966	0.899	0.0000177	0.00399	0.000996	0.00251	0.00246
2107 Jul	0.000498	0.00242	0.0919	0.0000119	19	17.4	0.154	0.00743	33.5	0.0096	0.0133	0.00108	0.00217	0.000968	0.901	0.0000177	0.004	0.000998	0.00251	0.00246
2107 Aug	0.000499	0.00243	0.0921	0.000012	19	17.5	0.155	0.00745	33.6	0.00962	0.0134	0.00108	0.00217	0.00097	0.903	0.0000178	0.00401	0.001	0.00251	0.00247
2107 Sep	0.000499	0.00243	0.0921	0.000012	19	17.5	0.155	0.00746	33.6	0.00963	0.0134	0.00108	0.00217	0.000971	0.904	0.0000178	0.00402	0.001	0.00252	0.00247
2107 Oct	0.000499	0.00243	0.0921	0.000012	19	17.5	0.155	0.00746	33.6	0.00963	0.0134	0.00108	0.00218	0.000972	0.905	0.0000178	0.00402	0.001	0.00252	0.00247
2107 Nov	0.000499	0.00243	0.0921	0.000012	19	17.5	0.155	0.00747	33.6	0.00963	0.0133	0.00108	0.00218	0.000972	0.905	0.0000178	0.00402	0.001	0.00252	0.00247
2107 Dec	0.000499	0.00243	0.0921	0.000012	19	17.5	0.155	0.00747	33.6	0.00963	0.0133	0.00108	0.00218	0.000972	0.905	0.0000178	0.00402	0.001	0.00252	0.00247
2108 Jan	0.000499	0.00243	0.0921	0.000012	19	17.5	0.155	0.00747	33.6	0.00963	0.0133	0.00108	0.00218	0.000972	0.905	0.0000178	0.00402	0.001	0.00252	0.00247
2108 Feb	0.000499	0.00243	0.0921	0.000012	19	17.5	0.155	0.00747	33.6	0.00963	0.0133	0.00108	0.00218	0.000972	0.905	0.0000178	0.00402	0.001	0.00252	0.00247
2108 Mar	0.000499	0.00243	0.0921	0.000012	19	17.5	0.155	0.00747	33.6	0.00963	0.0133	0.00108	0.00218	0.000972	0.905	0.0000178	0.00402	0.001	0.00252	0.00247
2108 Apr	0.0005	0.00243	0.0921	0.000012	19.1	17.5	0.155	0.00747	33.6	0.00964	0.0134	0.00109	0.00218	0.000973	0.905	0.0000178	0.00403	0.001	0.00252	0.00247
2108 May	0.0005	0.00243	0.0922	0.000012	19.1	17.5	0.155	0.00748	33.6	0.00965	0.0134	0.00109	0.00218	0.000973	0.906	0.0000178	0.00403	0.001	0.00252	0.00248
2108 Jun	0.0005	0.00243	0.0922	0.000012	19.1	17.5	0.155	0.00748	33.6	0.00964	0.0134	0.00109	0.00218	0.000973	0.906	0.0000178	0.00403	0.001	0.00252	0.00248
2108 Jul	0.000501	0.00244	0.0924	0.000012	19.1	17.6	0.156	0.0075	33.6	0.00966	0.0134	0.00109	0.00218	0.000975	0.908	0.0000179	0.00404	0.001	0.00252	0.00248
2108 Aug	0.000502	0.00244	0.0926	0.000012	19.2	17.6	0.156	0.00751	33.7	0.00969	0.0134	0.00109	0.00219	0.000978	0.91	0.0000179	0.00405	0.00101	0.00253	0.00249
2108 Sep	0.000503	0.00244	0.0927	0.000012	19.2	17.6	0.156	0.00752	33.7	0.00969	0.0134	0.00109	0.00219	0.000978	0.91	0.0000179	0.00405	0.00101	0.00253	0.00249
2108 Oct	0.000503	0.00244	0.0925	0.000012	19.2	17.6	0.156	0.00753	33.7	0.0097	0.0134	0.00109	0.00219	0.000979	0.911	0.000018	0.00405	0.00101	0.00253	0.00249
2108 Nov	0.000503	0.00244	0.0925	0.000012	19.2	17.6	0.156	0.00753	33.7	0.0097	0.0134	0.00109	0.00219	0.000979	0.912	0.000018	0.00406	0.00101	0.00253	0.00249
2108 Dec	0.000503	0.00244	0.0925	0.000012	19.2	17.6	0.156	0.00753	33.7	0.0097	0.0134	0.00109	0.00219	0.000979	0.912	0.000018	0.00406	0.00101	0.00253	0.00249
2109 Jan	0.000503	0.00244	0.0925	0.000012	19.2	17.6	0.156	0.00753	33.7	0.0097	0.0134	0.00109	0.00219	0.000979	0.912	0.000018	0.00406	0.00101	0.00253	0.00249
2109 Feb	0.000503	0.00244	0.0925	0.000012	19.2	17.6	0.156	0.00753	33.7	0.0097	0.0134	0.00109	0.00219	0.000979	0.912	0.000018	0.00406	0.00101	0.00253	0.00249
2109 Mar	0.000503	0.00244	0.0925	0.000012	19.2	17.6	0.156	0.00753	33.7	0.0097	0.0134	0.00109	0.00219	0.00098	0.912	0.000018	0.00406	0.00101	0.00253	0.00249
2109 Apr	0.000503	0.00244	0.0926	0.000012	19.2	17.6	0.156	0.00753	33.7	0.0097	0.0134	0.00109	0.00219	0.00098	0.912	0.000018	0.00406	0.00101	0.00253	0.00249
2109 May	0.000503	0.00245	0.0926	0.000012	19.2	17.6	0.156	0.00754	33.7	0.00971	0.0134	0.00109	0.00219	0.00098	0.913	0.000018	0.00406	0.00101	0.00253	0.00249
2109 Jun	0.000504	0.00245	0.0928	0.000012	19.2	17.7	0.156	0.00755	33.7	0.00971	0.0134	0.0011	0.0022	0.000982	0.914	0.000018	0.00406	0.00101	0.00253	0.0025
2109 Jul	0.000505	0.00245	0.0929	0.000012	19.3	17.7	0.157	0.00758	33.7	0.00974	0.0134	0.0011	0.0022	0.000984	0.916	0.0000181	0.00408	0.00101	0.00254	0.0025
2109 Aug	0.000506	0.00246	0.093	0.0000121	19.4	17.8	0.157	0.0076	33.8	0.00976	0.0134	0.0011	0.00221	0.000987	0.919	0.0000181	0.00409	0.00101	0.00254	0.00251
2109 Sep	0.000507	0.00246	0.093	0.0000121	19.4	17.8	0.158	0.00762	33.8	0.00978	0.0134	0.0011	0.00221	0.000989	0.92	0.0000182	0.0041	0.00101	0.00254	0.00251
2109 Oct	0.000507	0.00246	0.0929	0.0000121	19.4	17.8	0.158	0.00764	33.7	0.00979	0.0134	0.00111	0.00221	0.000991	0.922	0.0000182	0.00411	0.00101	0.00254	0.00252

Appendix D.3-2: TIRI Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2109 Nov	0.000507	0.00246	0.0929	0.0000121	19.4	17.8	0.158	0.00764	33.7	0.00979	0.0134	0.00111	0.00221	0.000991	0.922	0.0000182	0.00411	0.00101	0.00254	0.00252
2109 Dec	0.000507	0.00246	0.0929	0.0000121	19.4	17.8	0.158	0.00764	33.7	0.00979	0.0134	0.00111	0.00221	0.000991	0.922	0.0000182	0.00411	0.00101	0.00254	0.00252
2110 Jan	0.000507	0.00246	0.0929	0.0000121	19.4	17.8	0.158	0.00764	33.7	0.00979	0.0134	0.00111	0.00221	0.000991	0.922	0.0000182	0.00411	0.00101	0.00254	0.00252
2110 Feb	0.000507	0.00246	0.0929	0.0000121	19.4	17.8	0.158	0.00764	33.7	0.00979	0.0134	0.00111	0.00221	0.000991	0.922	0.0000182	0.00411	0.00101	0.00254	0.00252
2110 Mar	0.000507	0.00246	0.0929	0.0000121	19.4	17.8	0.158	0.00764	33.7	0.00979	0.0134	0.00111	0.00221	0.000991	0.922	0.0000182	0.00411	0.00101	0.00254	0.00252
2110 Apr	0.000507	0.00246	0.093	0.0000121	19.4	17.8	0.158	0.00764	33.7	0.00979	0.0134	0.00111	0.00222	0.000991	0.922	0.0000182	0.00411	0.00101	0.00254	0.00252
2110 May	0.000507	0.00246	0.093	0.0000121	19.5	17.8	0.158	0.00765	33.7	0.0098	0.0134	0.00111	0.00222	0.000992	0.923	0.0000182	0.00411	0.00101	0.00254	0.00252
2110 Jun	0.000508	0.00246	0.093	0.000012	19.5	17.8	0.158	0.00766	33.6	0.0098	0.0134	0.00111	0.00222	0.000993	0.924	0.0000183	0.00412	0.00101	0.00254	0.00252
2110 Jul	0.000509	0.00247	0.0932	0.0000121	19.5	17.9	0.158	0.00768	33.7	0.00982	0.0134	0.00111	0.00222	0.000995	0.926	0.0000183	0.00413	0.00102	0.00255	0.00253
2110 Aug	0.000509	0.00247	0.0931	0.0000121	19.6	17.9	0.159	0.00772	33.6	0.00985	0.0134	0.00111	0.00223	0.000999	0.929	0.0000184	0.00415	0.00102	0.00255	0.00253
2110 Sep	0.000509	0.00247	0.0929	0.000012	19.6	17.9	0.159	0.00772	33.6	0.00985	0.0134	0.00112	0.00223	0.001	0.93	0.0000184	0.00415	0.00102	0.00254	0.00254
2110 Oct	0.000509	0.00247	0.0928	0.000012	19.6	17.9	0.159	0.00772	33.5	0.00984	0.0133	0.00112	0.00223	0.000999	0.93	0.0000184	0.00415	0.00101	0.00254	0.00254
2110 Nov	0.000509	0.00247	0.0927	0.000012	19.6	17.9	0.159	0.00772	33.5	0.00984	0.0133	0.00112	0.00223	0.000999	0.93	0.0000184	0.00415	0.00101	0.00254	0.00253
2110 Dec	0.000509	0.00247	0.0927	0.000012	19.6	17.9	0.159	0.00772	33.5	0.00984	0.0133	0.00112	0.00223	0.000999	0.93	0.0000184	0.00415	0.00101	0.00254	0.00253
2111 Jan	0.000509	0.00247	0.0927	0.000012	19.6	17.9	0.159	0.00772	33.5	0.00984	0.0133	0.00112	0.00223	0.000999	0.93	0.0000184	0.00415	0.00101	0.00254	0.00253
2111 Feb	0.000509	0.00247	0.0927	0.000012	19.6	17.9	0.159	0.00772	33.5	0.00984	0.0133	0.00112	0.00223	0.000999	0.93	0.0000184	0.00415	0.00101	0.00254	0.00253
2111 Mar	0.000509	0.00247	0.0928	0.000012	19.6	17.9	0.159	0.00772	33.5	0.00984	0.0133	0.00112	0.00223	0.000999	0.93	0.0000184	0.00415	0.00101	0.00254	0.00254
2111 Apr	0.000509	0.00247	0.0928	0.000012	19.6	17.9	0.159	0.00773	33.5	0.00985	0.0133	0.00112	0.00223	0.001	0.93	0.0000184	0.00415	0.00101	0.00254	0.00254
2111 May	0.000509	0.00247	0.0929	0.000012	19.6	17.9	0.159	0.00773	33.5	0.00985	0.0133	0.00112	0.00223	0.001	0.931	0.0000184	0.00415	0.00101	0.00254	0.00254
2111 Jun	0.000509	0.00246	0.0929	0.000012	19.6	17.9	0.159	0.00772	33.4	0.00983	0.0133	0.00112	0.00223	0.000999	0.93	0.0000184	0.00415	0.00101	0.00254	0.00253
2111 Jul	0.00051	0.00247	0.0931	0.000012	19.7	18	0.159	0.00774	33.5	0.00986	0.0133	0.00112	0.00224	0.001	0.932	0.0000184	0.00416	0.00102	0.00254	0.00254
2111 Aug	0.000511	0.00247	0.093	0.000012	19.7	18	0.16	0.00777	33.4	0.00988	0.0133	0.00112	0.00224	0.001	0.934	0.0000185	0.00417	0.00102	0.00254	0.00255
2111 Sep	0.000511	0.00247	0.093	0.000012	19.8	18	0.16	0.00778	33.4	0.00989	0.0133	0.00112	0.00224	0.00101	0.935	0.0000185	0.00418	0.00102	0.00254	0.00255
2111 Oct	0.000511	0.00247	0.0929	0.000012	19.8	18	0.16	0.00777	33.4	0.00988	0.0133	0.00112	0.00224	0.001	0.935	0.0000185	0.00418	0.00102	0.00254	0.00255
2111 Nov	0.00051	0.00247	0.0928	0.000012	19.7	18	0.16	0.00777	33.3	0.00988	0.0133	0.00112	0.00224	0.001	0.935	0.0000185	0.00418	0.00102	0.00254	0.00255
2111 Dec	0.00051	0.00247	0.0928	0.000012	19.7	18	0.16	0.00777	33.3	0.00988	0.0133	0.00112	0.00224	0.001	0.935	0.0000185	0.00418	0.00102	0.00254	0.00255
2112 Jan	0.00051	0.00247	0.0928	0.000012	19.7	18	0.16	0.00777	33.3	0.00988	0.0133	0.00112	0.00224	0.001	0.935	0.0000185	0.00418	0.00102	0.00254	0.00255
2112 Feb	0.00051	0.00247	0.0928	0.000012	19.7	18	0.16	0.00777	33.3	0.00988	0.0133	0.00112	0.00224	0.001	0.935	0.0000185	0.00418	0.00102	0.00254	0.00255
2112 Mar	0.00051	0.00247	0.0928	0.000012	19.7	18	0.16	0.00777	33.3	0.00988	0.0133	0.00112	0.00224	0.001	0.935	0.0000185	0.00418	0.00102	0.00254	0.00255
2112 Apr	0.000511	0.00247	0.0928	0.000012	19.8	18	0.16	0.00777	33.3	0.00988	0.0133	0.00112	0.00224	0.001	0.935	0.0000185	0.00418	0.00102	0.00254	0.00255
2112 May	0.000511	0.00247	0.0929	0.000012	19.8	18	0.16	0.00778	33.3	0.00988	0.0133	0.00112	0.00224	0.00101	0.936	0.0000185	0.00418	0.00102	0.00254	0.00255
2112 Jun	0.000509	0.00246	0.0927	0.000012	19.7	17.9	0.159	0.00775	33.1	0.00985	0.0132	0.00112	0.00224	0.001	0.933	0.0000184	0.00417	0.00101	0.00253	0.00254
2112 Jul	0.00051	0.00246	0.0928	0.000012	19.7	18	0.159	0.00776	33.1	0.00986	0.0132	0.00112	0.00224	0.001	0.934	0.0000184	0.00418	0.00101	0.00253	0.00254
2112 Aug	0.000511	0.00247	0.0929	0.000012	19.8	18	0.16	0.00778	33.2	0.00988	0.0132	0.00112	0.00224	0.001	0.936	0.0000185	0.00419	0.00102	0.00253	0.00255
2112 Sep	0.000511	0.00247	0.0929	0.000012	19.8	18	0.16	0.00779	33.2	0.00989	0.0132	0.00113	0.00225	0.00101	0.937	0.0000185	0.00419	0.00102	0.00254	0.00255
2112 Oct	0.000511	0.00247	0.0929	0.000012	19.8	18	0.16	0.00779	33.2	0.00989	0.0132	0.00113	0.00225	0.00101	0.938	0.0000185	0.0042	0.00102	0.00254	0.00255
2112 Nov	0.000511	0.00247	0.0929	0.000012	19.8	18	0.16	0.00779	33.2	0.00989	0.0132	0.00113	0.00225	0.00101	0.938	0.0000185	0.0042	0.00102	0.00254	0.00255
2112 Dec	0.000511	0.00247	0.0929	0.000012	19.8	18	0.16	0.00779	33.2	0.00989	0.0132	0.00113	0.00225	0.00101	0.938	0.0000185	0.0042	0.00102	0.00254	0.00255
2113 Jan	0.000511	0.00247	0.0929	0.000012	19.8	18	0.16	0.00779	33.2	0.00989	0.0132	0.00113	0.00225	0.00101	0.938	0.0000185	0.0042	0.00102	0.00254	0.00255
2113 Feb	0.000511	0.00247	0.0929	0.000012	19.8	18	0.16	0.00779	33.2	0.00989	0.0132	0.00113	0.00225	0.00101	0.938	0.0000185	0.0042	0.00102	0.00254	0.00255
2113 Mar	0.000511	0.00247	0.0929	0.000012	19.8	18	0.16	0.0078	33.2	0.0099	0.0132	0.00113	0.00225	0.00101	0.938	0.0000185	0.0042	0.00102	0.00254	0.00255
2113 Apr	0.000512	0.00247	0.0929	0.000012	19.8	18	0.16	0.0078	33.2	0.0099	0.0132	0.00113	0.00225	0.00101	0.939	0.0000185	0.0042	0.00102	0.00254	0.00255
2113 May	0.000512	0.00247	0.093	0.000012	19.8	18	0.16	0.0078	33.2	0.0099	0.0132	0.00113	0.00225	0.00101	0.939	0.0000185	0.0042	0.00102	0.00254	0.00255
2113 Jun	0.000512	0.00247	0.093	0.000012	19.8	18	0.16	0.0078	33.1	0.00989	0.0132	0.00113	0.00225	0.00101	0.939	0.0000185	0.0042	0.00102	0.00253	0.00255
2113 Jul	0.000513	0.00248	0.0931	0.000012	19.9	18.1	0.16	0.00781	33.2	0.00991	0.0132	0.00113	0.00225	0.00101	0.941	0.0000185	0.00421	0.00102	0.00254	0.00256
2113 Aug	0.000513	0.00248	0.0933	0.000012	19.9	18.1	0.161	0.00783	33.2	0.00993	0.0132	0.00113	0.00226	0.00101	0.942	0.0000186	0.00422	0.00102	0.00254	0.00256
2113 Sep	0.000514	0.00248	0.0932	0.000012	20	18.1	0.161	0.00784	33.2	0.00994	0.0132	0.00113	0.00226	0.00101	0.944	0.0000186	0.00423	0.00102	0.00254	0.00257
2113 Oct	0.000514	0.00248	0.093	0.000012	20	18.1	0.161	0.00784	33.1	0.00994	0.0132	0.00113	0.00226	0.00101	0.944	0.0000186	0.00423	0.00102	0.00254	0.00257
2113 Nov	0.000513	0.00248	0.093	0.000012	20	18.1	0.161	0.00784	33.1	0.00994	0.0132	0.00113	0.00226	0.00101	0.944	0.0000186	0.00423	0.00102	0.00254	0.00257
2113 Dec	0.000513	0.00248	0.093	0.000012	20	18.1	0.161	0.00784	33.1	0.00994	0.0132	0.00113	0.00226	0.00101	0.944	0.0000186	0.00423	0.00102	0.00254	0.00257
2114 Jan	0.000513	0.00248	0.093	0.000012	20	18.1	0.161	0.00784	33.1	0.00994	0.0132	0.00113	0.00226	0.00101	0.944	0.0000186	0.00423	0.00102	0.00254	0.00257
2114 Feb	0.000513	0.00248	0.093	0.000012	20	18.1	0.161	0.00784	33.1	0.00994	0.0132	0.00113	0.00226	0.00101	0.944	0.0000186	0.00423	0.00102	0.00254	0.00257
2114 Mar	0.000514	0.00248	0.093	0.000012	20	18.1	0.161	0.00784	33.1	0.00994	0.0132	0.00113	0.00226	0.00101	0.944	0.0000186	0.00423	0.00102	0.00254	0.00257
2114 Apr	0.000514	0.00248	0.093	0.000012	20	18.1	0.161	0.00784	33.1	0.00994	0.0132	0.00113	0.00226	0.00101	0.944	0.0000186	0.00423	0.00102	0.00254	0.00257
2114 May	0.000514	0.00248	0.0931	0.000012	20	18.1	0.161	0.00785	33.1	0.00995	0.0132	0.00113	0.00226	0.00101	0.945	0.0000186	0.00423	0.00102	0.00254	0.00257
2114 Jun	0.000514	0.00248	0.0932	0.000012	20	18.1	0.161	0.00785	33.1	0.00995	0.0132	0.00114	0.00226	0.00101	0.946	0.0000186	0.00424	0.00102	0.00254	0.00257
2114 Jul	0.000516	0.00249	0.0934	0.0000121	20	18.2	0.161	0.00787	33.2	0.00998	0.0132	0.00114	0.00227	0.00102	0.948	0.0000186	0.00425	0.00102	0.00255	0.00258
2114 Aug	0.000517	0.00249	0.0936	0.0000121	20.1	18.2	0.162	0.00789	33.3	0.01	0.0133	0.00114	0.00228	0.00102	0.95	0.0000187	0.00426	0.00103	0.00255	0.00258
2114 Sep	0.000517	0.00249	0.0936	0.0000121	20.1	18.3	0.162	0.0079	33.2	0.01	0.0133	0.00114	0.00228	0.00102	0.951	0.0000187	0.00426	0.00103	0.00255	0.00259
2114 Oct	0.000517	0.0025	0.0935	0.0000121	20.2	18.3	0.162	0.00792	33.2	0.01	0.0132	0.00114	0.00228	0.00102	0.953	0.0000187	0.00427	0.00103	0.00255	0.00259
2114 Nov	0.000517	0.0025	0.0934	0.0000121	20.2	18.3	0.162	0.00792	33.2	0.01	0.0132	0.00115	0.00228	0.00102	0.954	0.0000187	0.00428	0.00103	0.00255	0.00259
2114 Dec	0.000517	0.0025	0.0934	0.0000121	20.2	18.3	0.162	0.00792	33.2	0.01	0.0132	0.00115	0.00228	0.00102	0.954	0.0000187	0.00428	0.00103	0.00255	0.00259
2115 Jan	0.000517	0.0025	0.0934	0.0000121	20.2	18.3	0.162	0.00792	33.2	0.01	0.0132	0.00115	0.00228	0.00102	0.954	0.0000187	0.00428	0.00103	0.00255	0.00259
2115 Feb	0.000517	0.0025	0.0934	0.0000121	20.2	18.3	0.162	0.00792	33.2	0.01	0.0132	0.00115	0.00228	0.00102	0.954	0.0000187	0.00428	0.00103	0.00255	0.00259
2115 Mar	0.000517	0.0025	0.0934	0.0000121	20.2	18.3	0.162	0.00792	33.2	0.01	0.0132	0.00115	0.00228	0.00102	0.954	0.0000187	0.00428	0.00103	0.00255	0.00259
2115 Apr	0.000518	0.0025	0.0934	0.0000121	20.2	18.3	0.162	0.00792	33.2	0.01	0.0132	0.00115	0.00228	0.00102	0.954	0.0000187	0.00428	0.00103	0.00255	0.00259
2115 May	0.000518	0.0025	0.0935	0.0000121	20.2	18.3	0.162	0.00792	33.2	0.01	0.0132	0.00115	0.00228	0.00102	0.955	0.0000187	0.00428	0.00103	0.00255	0.00259
2115 Jun	0.000519	0.0025	0.0937	0.0000121	20.2	18.3	0.163	0.00794	33.2	0.01	0.0132	0.00115	0.00229	0.00103	0.956	0.0000188	0.00429	0.00103	0.00255	0.0026
2115 Jul	0.00052	0.00251	0.0939	0.0000121	20.3	18.4	0.163	0.00795	33.3	0.0101	0.0133	0.00115	0.00229	0.00103	0.958	0.0000188	0.0043	0.00103	0.00256	0.0026
2115 Aug	0.00052	0.00251	0.0938	0.0000121	20.3	18.4	0.163	0.00797	33.3	0.0101	0.0133	0.00115	0.0023	0.00103	0.961	0.0000188	0.00431	0.00103	0.00256	0.00261
2115 Sep	0.000521	0.00251	0.0938	0.0000121	20.4	18.4	0.164	0.00799	33.3	0.0101	0.0133	0.00116	0.0023	0.00103	0.962	0.0000189	0.00432	0.00103	0.00256	0.00261
2115 Oct	0.000521	0.00251	0.0938	0.0000121	20.4	18.5	0.164	0.00799	33.3	0.0101	0.0133	0.00116	0.00231	0.00103	0.963	0.0000189	0.00432	0.00103	0.00256	0.00262
2115 Nov	0.000521	0.00251	0.0938	0.0000121	20.4	18.5	0.164	0.008	33.3	0.0101	0.0133	0.00116	0.00231	0.00103	0.964	0.0000189	0.00433	0.00103	0.00256	0.00262

Appendix D.3-2: TIRI Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Dec	0.000521	0.00251	0.0938	0.0000121	20.4	18.5	0.164	0.008	33.3	0.0101	0.0133	0.00116	0.00231	0.00103	0.964	0.0000189	0.00433	0.00103	0.00256	0.00262
2116 Jan	0.000521	0.00251	0.0938	0.0000121	20.4	18.5	0.164	0.008	33.3	0.0101	0.0133	0.00116	0.00231	0.00103	0.964	0.0000189	0.00433	0.00103	0.00256	0.00262
2116 Feb	0.000521	0.00251	0.0938	0.0000121	20.4	18.5	0.164	0.008	33.3	0.0101	0.0133	0.00116	0.00231	0.00103	0.964	0.0000189	0.00433	0.00103	0.00256	0.00262
2116 Mar	0.000521	0.00251	0.0938	0.0000121	20.4	18.5	0.164	0.008	33.3	0.0101	0.0133	0.00116	0.00231	0.00103	0.964	0.0000189	0.00433	0.00103	0.00256	0.00262
2116 Apr	0.000522	0.00252	0.0938	0.0000121	20.4	18.5	0.164	0.008	33.3	0.0101	0.0133	0.00116	0.00231	0.00103	0.964	0.0000189	0.00433	0.00103	0.00256	0.00262
2116 May	0.000522	0.00252	0.0939	0.0000121	20.4	18.5	0.164	0.00801	33.3	0.0101	0.0133	0.00116	0.00231	0.00103	0.965	0.0000189	0.00433	0.00103	0.00257	0.00262
2116 Jun	0.000522	0.00251	0.0938	0.0000121	20.4	18.5	0.164	0.008	33.2	0.0101	0.0132	0.00116	0.00231	0.00103	0.966	0.0000189	0.00434	0.00103	0.00256	0.00262
2116 Jul	0.000523	0.00252	0.0941	0.0000122	20.5	18.5	0.164	0.00802	33.3	0.0102	0.0132	0.00116	0.00232	0.00104	0.968	0.0000189	0.00435	0.00104	0.00257	0.00263
2116 Aug	0.000524	0.00253	0.0942	0.0000122	20.5	18.6	0.165	0.00804	33.4	0.0102	0.0133	0.00117	0.00232	0.00104	0.97	0.0000189	0.00436	0.00104	0.00257	0.00263
2116 Sep	0.000525	0.00253	0.0941	0.0000122	20.6	18.6	0.165	0.00805	33.3	0.0102	0.0133	0.00117	0.00232	0.00104	0.971	0.000019	0.00436	0.00104	0.00257	0.00264
2116 Oct	0.000525	0.00253	0.094	0.0000122	20.6	18.6	0.165	0.00806	33.3	0.0102	0.0132	0.00117	0.00233	0.00104	0.973	0.000019	0.00437	0.00104	0.00257	0.00264
2116 Nov	0.000525	0.00253	0.094	0.0000122	20.6	18.6	0.165	0.00807	33.3	0.0102	0.0132	0.00117	0.00233	0.00104	0.973	0.000019	0.00437	0.00104	0.00257	0.00264
2116 Dec	0.000525	0.00253	0.094	0.0000122	20.6	18.6	0.165	0.00807	33.3	0.0102	0.0132	0.00117	0.00233	0.00104	0.973	0.000019	0.00437	0.00104	0.00257	0.00264
2117 Jan	0.000525	0.00253	0.094	0.0000122	20.6	18.6	0.165	0.00807	33.3	0.0102	0.0132	0.00117	0.00233	0.00104	0.973	0.000019	0.00437	0.00104	0.00257	0.00264
2117 Feb	0.000525	0.00253	0.094	0.0000122	20.6	18.6	0.165	0.00807	33.3	0.0102	0.0132	0.00117	0.00233	0.00104	0.973	0.000019	0.00437	0.00104	0.00257	0.00264
2117 Mar	0.000525	0.00253	0.0941	0.0000122	20.6	18.6	0.165	0.00807	33.3	0.0102	0.0132	0.00117	0.00233	0.00104	0.973	0.000019	0.00437	0.00104	0.00257	0.00264
2117 Apr	0.000525	0.00253	0.0941	0.0000122	20.6	18.6	0.165	0.00807	33.3	0.0102	0.0132	0.00117	0.00233	0.00104	0.974	0.000019	0.00438	0.00104	0.00257	0.00264
2117 May	0.000525	0.00253	0.0942	0.0000122	20.6	18.6	0.165	0.00807	33.3	0.0102	0.0132	0.00117	0.00233	0.00104	0.974	0.000019	0.00438	0.00104	0.00257	0.00264
2117 Jun	0.000526	0.00253	0.0943	0.0000122	20.6	18.6	0.165	0.00808	33.3	0.0102	0.0132	0.00117	0.00233	0.00104	0.975	0.000019	0.00438	0.00104	0.00257	0.00265
2117 Jul	0.000527	0.00254	0.0945	0.0000122	20.7	18.7	0.166	0.00809	33.4	0.0102	0.0133	0.00117	0.00234	0.00105	0.977	0.000019	0.00439	0.00104	0.00258	0.00265
2117 Aug	0.000528	0.00254	0.0946	0.0000122	20.7	18.7	0.166	0.0081	33.4	0.0102	0.0133	0.00118	0.00234	0.00105	0.978	0.0000191	0.0044	0.00104	0.00258	0.00265
2117 Sep	0.000528	0.00254	0.0946	0.0000122	20.7	18.7	0.166	0.00811	33.5	0.0103	0.0133	0.00118	0.00234	0.00105	0.979	0.0000191	0.0044	0.00104	0.00258	0.00266
2117 Oct	0.000528	0.00254	0.0946	0.0000122	20.8	18.7	0.166	0.00812	33.5	0.0103	0.0133	0.00118	0.00234	0.00105	0.98	0.0000191	0.00441	0.00104	0.00258	0.00266
2117 Nov	0.000528	0.00254	0.0946	0.0000122	20.8	18.7	0.166	0.00812	33.5	0.0103	0.0133	0.00118	0.00234	0.00105	0.981	0.0000191	0.00441	0.00104	0.00258	0.00266
2117 Dec	0.000528	0.00254	0.0946	0.0000122	20.8	18.7	0.166	0.00812	33.5	0.0103	0.0133	0.00118	0.00234	0.00105	0.981	0.0000191	0.00441	0.00104	0.00258	0.00266
2118 Jan	0.000528	0.00254	0.0946	0.0000122	20.8	18.7	0.166	0.00812	33.5	0.0103	0.0133	0.00118	0.00234	0.00105	0.981	0.0000191	0.00441	0.00104	0.00258	0.00266
2118 Feb	0.000528	0.00254	0.0946	0.0000122	20.8	18.7	0.166	0.00812	33.5	0.0103	0.0133	0.00118	0.00234	0.00105	0.981	0.0000191	0.00441	0.00104	0.00258	0.00266
2118 Mar	0.000528	0.00254	0.0946	0.0000122	20.8	18.7	0.166	0.00813	33.5	0.0103	0.0133	0.00118	0.00234	0.00105	0.981	0.0000191	0.00441	0.00104	0.00258	0.00266
2118 Apr	0.000529	0.00254	0.0946	0.0000122	20.8	18.7	0.166	0.00813	33.5	0.0103	0.0133	0.00118	0.00235	0.00105	0.981	0.0000191	0.00441	0.00104	0.00258	0.00266
2118 May	0.000529	0.00254	0.0947	0.0000122	20.8	18.8	0.166	0.00813	33.4	0.0103	0.0133	0.00118	0.00235	0.00105	0.981	0.0000191	0.00441	0.00104	0.00258	0.00266
2118 Jun	0.000529	0.00254	0.0948	0.0000122	20.8	18.7	0.167	0.00813	33.4	0.0103	0.0133	0.00118	0.00234	0.00105	0.981	0.0000191	0.00441	0.00104	0.00258	0.00266
2118 Jul	0.000531	0.00255	0.095	0.0000123	20.8	18.8	0.167	0.00815	33.4	0.0103	0.0133	0.00118	0.00235	0.00105	0.984	0.0000192	0.00443	0.00105	0.00259	0.00267
2118 Aug	0.000531	0.00255	0.0951	0.0000123	20.9	18.8	0.167	0.00816	33.5	0.0103	0.0133	0.00118	0.00235	0.00105	0.986	0.0000192	0.00443	0.00105	0.00259	0.00267
2118 Sep	0.000532	0.00255	0.095	0.0000123	20.9	18.9	0.167	0.00818	33.4	0.0103	0.0133	0.00119	0.00236	0.00106	0.988	0.0000192	0.00445	0.00105	0.00259	0.00268
2118 Oct	0.000532	0.00255	0.0949	0.0000122	20.9	18.9	0.168	0.00819	33.4	0.0103	0.0132	0.00119	0.00236	0.00106	0.989	0.0000192	0.00445	0.00105	0.00259	0.00268
2118 Nov	0.000532	0.00255	0.0949	0.0000122	21	18.9	0.168	0.00819	33.4	0.0103	0.0132	0.00119	0.00236	0.00106	0.989	0.0000192	0.00445	0.00105	0.00259	0.00268
2118 Dec	0.000532	0.00255	0.0949	0.0000122	21	18.9	0.168	0.00819	33.4	0.0103	0.0132	0.00119	0.00236	0.00106	0.989	0.0000192	0.00445	0.00105	0.00259	0.00268
2119 Jan	0.000532	0.00255	0.0949	0.0000122	21	18.9	0.168	0.00819	33.4	0.0103	0.0132	0.00119	0.00236	0.00106	0.989	0.0000192	0.00445	0.00105	0.00259	0.00268
2119 Feb	0.000532	0.00255	0.0949	0.0000122	21	18.9	0.168	0.00819	33.4	0.0103	0.0132	0.00119	0.00236	0.00106	0.989	0.0000192	0.00445	0.00105	0.00259	0.00268
2119 Mar	0.000532	0.00255	0.0949	0.0000122	21	18.9	0.168	0.00819	33.4	0.0103	0.0132	0.00119	0.00236	0.00106	0.989	0.0000192	0.00445	0.00105	0.00259	0.00268
2119 Apr	0.000532	0.00256	0.0949	0.0000122	21	18.9	0.168	0.00819	33.4	0.0103	0.0132	0.00119	0.00236	0.00106	0.989	0.0000192	0.00445	0.00105	0.00259	0.00268
2119 May	0.000532	0.00255	0.095	0.0000122	20.9	18.9	0.168	0.00818	33.3	0.0103	0.0132	0.00119	0.00236	0.00106	0.988	0.0000192	0.00445	0.00105	0.00258	0.00268
2119 Jun	0.000532	0.00255	0.0951	0.0000122	20.9	18.8	0.168	0.00817	33.3	0.0103	0.0132	0.00119	0.00236	0.00106	0.988	0.0000192	0.00445	0.00105	0.00258	0.00268
2119 Jul	0.000534	0.00256	0.0953	0.0000123	21	18.9	0.168	0.0082	33.3	0.0103	0.0132	0.00119	0.00237	0.00106	0.991	0.0000192	0.00446	0.00105	0.00259	0.00269
2119 Aug	0.000534	0.00256	0.0954	0.0000123	21	18.9	0.168	0.00821	33.4	0.0104	0.0133	0.00119	0.00237	0.00106	0.993	0.0000193	0.00447	0.00105	0.00259	0.00269
2119 Sep	0.000535	0.00256	0.0954	0.0000123	21.1	19	0.169	0.00823	33.4	0.0104	0.0132	0.0012	0.00237	0.00106	0.995	0.0000193	0.00448	0.00105	0.00259	0.0027
2119 Oct	0.000535	0.00256	0.0953	0.0000123	21.1	19	0.169	0.00823	33.3	0.0104	0.0132	0.0012	0.00238	0.00106	0.996	0.0000193	0.00449	0.00105	0.00259	0.0027
2119 Nov	0.000535	0.00256	0.0953	0.0000123	21.1	19	0.169	0.00823	33.3	0.0104	0.0132	0.0012	0.00238	0.00106	0.996	0.0000193	0.00449	0.00105	0.00259	0.0027
2119 Dec	0.000535	0.00256	0.0953	0.0000123	21.1	19	0.169	0.00823	33.3	0.0104	0.0132	0.0012	0.00238	0.00106	0.996	0.0000193	0.00449	0.00105	0.00259	0.0027

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Post Closure (2051-2119): Min	77.7	0.0955	0.16	0.0043	29.4	0.0344	11.1	0.000961	0.000961	0.00000517	0.00341	0.000754	0.0189	0.00821	0.00000508	9.36	0.00000924	0.0000889
Post Closure (2051-2119): Mean	80.6	0.104	0.2	0.0052	33.3	0.0355	12.6	0.000988	0.000988	0.00000524	0.00423	0.000888	0.0213	0.0119	0.00000516	12	0.0000113	0.000134
Post Closure (2051-2119): Max	84.1	0.114	0.244	0.00619	37.6	0.0369	14.4	0.00101	0.00101	0.00000531	0.00492	0.00101	0.0239	0.0154	0.00000523	14.4	0.0000129	0.000174
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***
Note: Calculation of mean excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions																		
2051 Jan	84	0.114	0.244	0.00618	37.6	0.0369	14.4	0.000965	0.000965	0.00000519	0.00341	0.000754	0.0238	0.00821	0.0000051	9.36	0.00000924	0.0000889
2051 Feb	84	0.114	0.244	0.00618	37.6	0.0369	14.4	0.000965	0.000965	0.00000519	0.00341	0.000754	0.0238	0.00821	0.0000051	9.36	0.00000924	0.0000889
2051 Mar	84	0.114	0.244	0.00618	37.6	0.0369	14.4	0.000965	0.000965	0.0000052	0.00341	0.000754	0.0238	0.00821	0.0000051	9.36	0.00000925	0.0000889
2051 Apr	84	0.114	0.244	0.00619	37.6	0.0369	14.4	0.000965	0.000965	0.0000052	0.00342	0.000754	0.0238	0.00821	0.0000051	9.37	0.00000925	0.0000889
2051 May	84.1	0.114	0.244	0.00619	37.6	0.0369	14.4	0.000966	0.000966	0.0000052	0.00342	0.000755	0.0239	0.00822	0.0000051	9.38	0.00000925	0.000089
2051 Jun	83.7	0.114	0.242	0.00615	37.4	0.0367	14.3	0.000963	0.000963	0.00000518	0.00343	0.000755	0.0237	0.00827	0.00000509	9.39	0.00000929	0.0000897
2051 Jul	83.7	0.113	0.242	0.00614	37.3	0.0367	14.3	0.000963	0.000963	0.00000518	0.00343	0.000755	0.0237	0.00828	0.00000509	9.4	0.00000931	0.0000899
2051 Aug	83.7	0.114	0.242	0.00614	37.4	0.0368	14.3	0.000964	0.000964	0.00000519	0.00344	0.000756	0.0237	0.00829	0.00000509	9.41	0.00000931	0.00009
2051 Sep	83.6	0.113	0.242	0.00613	37.3	0.0367	14.3	0.000963	0.000963	0.00000518	0.00344	0.000756	0.0237	0.00829	0.00000509	9.4	0.0000093	0.00009
2051 Oct	83.3	0.113	0.241	0.00611	37.2	0.0367	14.2	0.000961	0.000961	0.00000517	0.00344	0.000755	0.0236	0.00828	0.00000508	9.39	0.00000929	0.00009
2051 Nov	83.3	0.113	0.241	0.00611	37.2	0.0367	14.2	0.000961	0.000961	0.00000517	0.00344	0.000755	0.0236	0.00829	0.00000508	9.4	0.00000929	0.00009
2051 Dec	83.3	0.113	0.241	0.00611	37.2	0.0367	14.2	0.000961	0.000961	0.00000517	0.00344	0.000755	0.0236	0.00829	0.00000508	9.4	0.00000929	0.00009
2052 Jan	83.3	0.113	0.241	0.00611	37.2	0.0367	14.2	0.000961	0.000961	0.00000517	0.00344	0.000755	0.0236	0.00829	0.00000508	9.4	0.00000929	0.00009
2052 Feb	83.3	0.113	0.241	0.00611	37.2	0.0367	14.2	0.000961	0.000961	0.00000517	0.00344	0.000755	0.0236	0.00829	0.00000508	9.4	0.00000929	0.00009
2052 Mar	83.3	0.113	0.241	0.00611	37.2	0.0367	14.2	0.000961	0.000961	0.00000517	0.00344	0.000755	0.0236	0.00829	0.00000508	9.4	0.0000093	0.00009
2052 Apr	83.3	0.113	0.241	0.00611	37.2	0.0367	14.2	0.000961	0.000961	0.00000517	0.00344	0.000755	0.0236	0.00829	0.00000508	9.4	0.0000093	0.0000901
2052 May	83.4	0.113	0.241	0.00611	37.2	0.0367	14.2	0.000962	0.000962	0.00000517	0.00344	0.000756	0.0236	0.00831	0.00000508	9.41	0.0000093	0.0000902
2052 Jun	83.3	0.113	0.24	0.00609	37.1	0.0366	14.2	0.000961	0.000961	0.00000517	0.00345	0.000757	0.0236	0.00836	0.00000508	9.44	0.00000933	0.0000908
2052 Jul	83.4	0.113	0.24	0.0061	37.1	0.0367	14.2	0.000962	0.000962	0.00000518	0.00346	0.000758	0.0236	0.00837	0.00000508	9.46	0.00000934	0.000091
2052 Aug	83.4	0.113	0.24	0.0061	37.2	0.0367	14.2	0.000964	0.000964	0.00000518	0.00346	0.000759	0.0236	0.00838	0.00000509	9.47	0.00000935	0.0000911
2052 Sep	83.4	0.113	0.24	0.0061	37.1	0.0367	14.2	0.000964	0.000964	0.00000518	0.00346	0.000759	0.0236	0.00838	0.00000509	9.47	0.00000935	0.0000912
2052 Oct	83.4	0.113	0.24	0.0061	37.1	0.0367	14.2	0.000964	0.000964	0.00000518	0.00346	0.00076	0.0236	0.00839	0.00000509	9.47	0.00000935	0.0000912
2052 Nov	83.4	0.113	0.24	0.0061	37.1	0.0367	14.2	0.000964	0.000964	0.00000518	0.00346	0.00076	0.0236	0.00839	0.00000509	9.47	0.00000936	0.0000912
2052 Dec	83.4	0.113	0.24	0.0061	37.1	0.0367	14.2	0.000964	0.000964	0.00000518	0.00346	0.00076	0.0236	0.00839	0.00000509	9.47	0.00000936	0.0000912
2053 Jan	83.4	0.113	0.24	0.0061	37.1	0.0367	14.2	0.000964	0.000964	0.00000518	0.00346	0.00076	0.0236	0.00839	0.00000509	9.47	0.00000936	0.0000912
2053 Feb	83.4	0.113	0.24	0.0061	37.1	0.0367	14.2	0.000964	0.000964	0.00000518	0.00346	0.00076	0.0236	0.00839	0.00000509	9.47	0.00000936	0.0000912
2053 Mar	83.4	0.113	0.24	0.0061	37.1	0.0367	14.2	0.000964	0.000964	0.00000518	0.00346	0.00076	0.0236	0.00839	0.00000509	9.47	0.00000936	0.0000912
2053 Apr	83.4	0.113	0.24	0.0061	37.1	0.0367	14.2	0.000964	0.000964	0.00000518	0.00347	0.00076	0.0236	0.00839	0.00000509	9.48	0.00000936	0.0000913
2053 May	83.5	0.113	0.24	0.0061	37.1	0.0367	14.2	0.000964	0.000964	0.00000519	0.00347	0.000761	0.0236	0.00843	0.00000509	9.51	0.00000937	0.0000917
2053 Jun	83.2	0.113	0.239	0.00606	37	0.0366	14.1	0.000962	0.000962	0.00000517	0.00347	0.000762	0.0235	0.0085	0.00000508	9.55	0.0000094	0.0000925
2053 Jul	83.3	0.113	0.239	0.00607	37	0.0366	14.1	0.000964	0.000964	0.00000518	0.00348	0.000764	0.0235	0.00852	0.00000509	9.56	0.00000941	0.0000927
2053 Aug	83.5	0.113	0.24	0.00608	37.1	0.0367	14.2	0.000966	0.000966	0.00000519	0.00349	0.000765	0.0236	0.00854	0.0000051	9.58	0.00000943	0.0000929
2053 Sep	83.6	0.113	0.24	0.00609	37.1	0.0367	14.2	0.000967	0.000967	0.0000052	0.00349	0.000766	0.0236	0.00855	0.0000051	9.6	0.00000945	0.000093
2053 Oct	83.6	0.113	0.24	0.00609	37.2	0.0368	14.2	0.000967	0.000967	0.0000052	0.0035	0.000767	0.0236	0.00855	0.00000511	9.6	0.00000945	0.0000931
2053 Nov	83.6	0.113	0.24	0.00609	37.2	0.0368	14.2	0.000967	0.000967	0.0000052	0.0035	0.000767	0.0236	0.00855	0.00000511	9.6	0.00000945	0.0000931
2053 Dec	83.6	0.113	0.24	0.00609	37.2	0.0368	14.2	0.000967	0.000967	0.0000052	0.0035	0.000767	0.0236	0.00855	0.00000511	9.6	0.00000945	0.0000931
2054 Jan	83.6	0.113	0.24	0.00609	37.2	0.0368	14.2	0.000967	0.000967	0.0000052	0.0035	0.000767	0.0236	0.00855	0.00000511	9.6	0.00000945	0.0000931
2054 Feb	83.6	0.113	0.24	0.00609	37.2	0.0368	14.2	0.000967	0.000967	0.0000052	0.0035	0.000767	0.0236	0.00855	0.00000511	9.6	0.00000945	0.0000931
2054 Mar	83.6	0.113	0.24	0.00609	37.2	0.0368	14.2	0.000967	0.000967	0.0000052	0.0035	0.000767	0.0236	0.00855	0.00000511	9.6	0.00000945	0.0000931
2054 Apr	83.7	0.113	0.24	0.00609	37.2	0.0368	14.2	0.000967	0.000967	0.0000052	0.0035	0.000767	0.0236	0.00855	0.00000511	9.6	0.00000945	0.0000931
2054 May	83.7	0.113	0.24	0.00609	37.2	0.0368	14.2	0.000968	0.000968	0.0000052	0.0035	0.000768	0.0236	0.00857	0.00000511	9.61	0.00000946	0.0000933
2054 Jun	83.5	0.113	0.239	0.00606	37	0.0366	14.1	0.000966	0.000966	0.00000519	0.0035	0.000768	0.0235	0.00862	0.0000051	9.64	0.00000948	0.0000939
2054 Jul	83.4	0.113	0.238	0.00605	37	0.0366	14.1	0.000966	0.000966	0.00000519	0.00351	0.000768	0.0235	0.00862	0.0000051	9.64	0.00000949	0.000094
2054 Aug	83.4	0.113	0.238	0.00605	37	0.0366	14.1	0.000966	0.000966	0.00000519	0.00351	0.000769	0.0235	0.00863	0.0000051	9.65	0.00000949	0.0000941
2054 Sep	83.4	0.113	0.238	0.00605	37	0.0367	14.1	0.000967	0.000967	0.00000519	0.00351	0.000769	0.0235	0.00864	0.0000051	9.65	0.00000949	0.0000942
2054 Oct	83.4	0.113	0.238	0.00605	36.9	0.0366	14.1	0.000966	0.000966	0.00000519	0.00351	0.000769	0.0235	0.00864	0.0000051	9.65	0.00000949	0.0000942
2054 Nov	83.3	0.113	0.238	0.00605	36.9	0.0366	14.1	0.000966	0.000966	0.00000519	0.00351	0.000769	0.0235	0.00864	0.0000051	9.65	0.00000949	0.0000942
2054 Dec	83.3	0.113	0.238	0.00605	36.9	0.0366	14.1	0.000966	0.000966	0.00000519	0.00351	0.000769	0.0235	0.00864	0.0000051	9.65	0.00000949	0.0000942
2055 Jan	83.3	0.113	0.238	0.00605	36.9	0.0366	14.1	0.000966	0.000966	0.00000519	0.00351	0.000769	0.0235	0.00864	0.0000051	9.65	0.00000949	0.0000942
2055 Feb	83.3	0.113	0.238	0.00605	36.9	0.0366	14.1	0.000966	0.000966	0.00000519	0.00351	0.000769	0.0235	0.00864	0.0000051	9.65	0.00000949	0.0000942
2055 Mar	83.3	0.113	0.238	0.00605	36.9	0.0366	14.1	0.000966	0.000966	0.00000519	0.00351	0.000769	0.0235	0.00864	0.0000051	9.65	0.00000949	0.0000942
2055 Apr	83.4	0.113	0.238	0.00605	36.9	0.0367	14.1	0.000966	0.000966	0.00000519	0.00351	0.000769	0.0235	0.00864	0.0000051	9.66	0.00000949	0.0000942
2055 May	83.4	0.113	0.238	0.00605	37	0.0367	14.1	0.000967	0.000967	0.0000052	0.00352	0.00077	0.0235	0.00865	0.0000051	9.66	0.0000095	0.0000943
2055 Jun	83.1	0.112	0.237	0.00602	36.8	0.0365	14	0.000965	0.000965	0.00000518	0.00352	0.000768	0.0234	0.00864	0.00000509	9.64	0.00000953	0.0000945
2055 Jul	83	0.112	0.236	0.00601	36.7	0.0365	14	0.000965	0.000965	0.00000518	0.00353	0.000769	0.0234	0.00864	0.00000509	9.64	0.00000955	0.0000947
2055 Aug	83.1	0.112	0.237	0.00602	36.8	0.0366	14	0.000967	0.000967	0.00000519	0.00354	0.00077	0.0234	0.00866	0.0000051	9.66	0.00000956	0.0000948
2055 Sep	83.1	0.112	0.237	0.00602	36.8	0.0366	14	0.000967	0.000967	0.00000519	0.00354	0.00077	0.0234	0.00867	0.0000051	9.66	0.00000956	0.0000949
2055 Oct	83.1	0.112	0.237	0.00602	36.8	0.0366	14	0.000967	0.000967	0.0000052	0.00354	0.000771	0.0234	0.00867	0.0000051	9.67	0.00000957	0.0000949
2055 Nov	83.1	0.112	0.237	0.00602	36.8	0.0366	14	0.000967	0.000967	0.0000052	0.00354	0.000771	0.0234	0.00867	0.0000051	9.67	0.00000957	0.000095
2055 Dec	83.1	0.112	0.237	0.00602	36.8	0.0366	14	0.000967	0.000967	0.0000052	0.00354	0.000771	0.0234	0.00867	0.0000051	9.67	0.00000957	0.000095
2056 Jan	83.1	0.112	0.237	0.00602	36.8	0.0366	14	0.000967	0.000967	0.0000052	0.00354	0.000771	0.0234	0.00867	0.0000051	9.67	0.00000957	0.000095
2056 Feb	83.1	0.112	0.237	0.00602	36.8	0.0366	14	0.000967	0.000967	0.0000052	0.00354	0.000771	0.0234	0.00867	0.0000051	9.67	0.00000957	0.000095

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2056 Mar	83.1	0.112	0.237	0.00602	36.8	0.0366	14	0.000967	0.000967	0.0000052	0.00354	0.000771	0.0234	0.00867	0.0000051	9.67	0.00000957	0.000095
2056 Apr	83.1	0.112	0.237	0.00602	36.8	0.0366	14.1	0.000968	0.000968	0.0000052	0.00354	0.000771	0.0234	0.00867	0.0000051	9.67	0.00000957	0.000095
2056 May	83.2	0.112	0.237	0.00602	36.8	0.0366	14.1	0.000968	0.000968	0.0000052	0.00355	0.000772	0.0234	0.0087	0.00000511	9.69	0.00000958	0.0000953
2056 Jun	83	0.112	0.235	0.00599	36.6	0.0365	14	0.000966	0.000966	0.00000519	0.00355	0.000773	0.0233	0.00877	0.00000509	9.74	0.0000096	0.0000961
2056 Jul	83.1	0.112	0.236	0.006	36.7	0.0365	14	0.000968	0.000968	0.0000052	0.00356	0.000775	0.0233	0.00879	0.0000051	9.75	0.00000962	0.0000963
2056 Aug	83.2	0.112	0.236	0.006	36.7	0.0366	14	0.000969	0.000969	0.0000052	0.00356	0.000776	0.0234	0.0088	0.00000511	9.77	0.00000963	0.0000964
2056 Sep	83.3	0.112	0.236	0.00601	36.8	0.0366	14	0.00097	0.00097	0.00000521	0.00357	0.000777	0.0234	0.00881	0.00000512	9.78	0.00000964	0.0000966
2056 Oct	83.2	0.112	0.236	0.006	36.7	0.0366	14	0.00097	0.00097	0.00000521	0.00357	0.000777	0.0234	0.00881	0.00000511	9.78	0.00000964	0.0000966
2056 Nov	83.2	0.112	0.236	0.006	36.7	0.0366	14	0.00097	0.00097	0.00000521	0.00357	0.000777	0.0234	0.00881	0.00000511	9.78	0.00000964	0.0000966
2056 Dec	83.2	0.112	0.236	0.006	36.7	0.0366	14	0.00097	0.00097	0.00000521	0.00357	0.000777	0.0234	0.00881	0.00000511	9.78	0.00000964	0.0000966
2057 Jan	83.2	0.112	0.236	0.006	36.7	0.0366	14	0.00097	0.00097	0.00000521	0.00357	0.000777	0.0234	0.00881	0.00000511	9.78	0.00000964	0.0000966
2057 Feb	83.2	0.112	0.236	0.006	36.7	0.0366	14	0.00097	0.00097	0.00000521	0.00357	0.000777	0.0234	0.00881	0.00000511	9.78	0.00000964	0.0000966
2057 Mar	83.2	0.112	0.236	0.006	36.7	0.0366	14	0.00097	0.00097	0.00000521	0.00357	0.000777	0.0234	0.00881	0.00000511	9.78	0.00000964	0.0000966
2057 Apr	83.2	0.112	0.236	0.00601	36.7	0.0366	14	0.00097	0.00097	0.00000521	0.00357	0.000777	0.0234	0.00882	0.00000511	9.78	0.00000965	0.0000966
2057 May	83.3	0.112	0.236	0.00601	36.8	0.0366	14	0.000971	0.000971	0.00000521	0.00357	0.000777	0.0234	0.00883	0.00000512	9.79	0.00000965	0.0000967
2057 Jun	83	0.112	0.235	0.00598	36.6	0.0365	14	0.000969	0.000969	0.0000052	0.00358	0.000778	0.0233	0.00887	0.00000511	9.81	0.00000968	0.0000973
2057 Jul	83.1	0.112	0.235	0.00598	36.6	0.0365	14	0.00097	0.00097	0.00000521	0.00358	0.000779	0.0233	0.00888	0.00000511	9.82	0.0000097	0.0000975
2057 Aug	83.3	0.112	0.236	0.006	36.7	0.0366	14	0.000973	0.000973	0.00000522	0.0036	0.000781	0.0234	0.00891	0.00000513	9.85	0.00000973	0.0000978
2057 Sep	83.4	0.112	0.236	0.006	36.7	0.0367	14	0.000973	0.000973	0.00000522	0.0036	0.000782	0.0234	0.00892	0.00000513	9.86	0.00000974	0.0000979
2057 Oct	83.4	0.112	0.236	0.006	36.7	0.0367	14	0.000973	0.000973	0.00000522	0.0036	0.000782	0.0234	0.00892	0.00000513	9.86	0.00000974	0.0000979
2057 Nov	83.4	0.112	0.236	0.006	36.7	0.0367	14	0.000974	0.000974	0.00000523	0.0036	0.000782	0.0234	0.00892	0.00000513	9.86	0.00000974	0.0000979
2057 Dec	83.4	0.112	0.236	0.006	36.7	0.0367	14	0.000974	0.000974	0.00000523	0.0036	0.000782	0.0234	0.00892	0.00000513	9.86	0.00000974	0.0000979
2058 Jan	83.4	0.112	0.236	0.006	36.7	0.0367	14	0.000974	0.000974	0.00000523	0.0036	0.000782	0.0234	0.00892	0.00000513	9.86	0.00000974	0.0000979
2058 Feb	83.4	0.112	0.236	0.006	36.7	0.0367	14	0.000974	0.000974	0.00000523	0.0036	0.000782	0.0234	0.00892	0.00000513	9.86	0.00000974	0.0000979
2058 Mar	83.4	0.112	0.236	0.006	36.7	0.0367	14	0.000974	0.000974	0.00000523	0.0036	0.000782	0.0234	0.00892	0.00000513	9.86	0.00000974	0.000098
2058 Apr	83.4	0.112	0.236	0.006	36.7	0.0367	14	0.000974	0.000974	0.00000523	0.0036	0.000782	0.0234	0.00892	0.00000513	9.86	0.00000974	0.000098
2058 May	83.4	0.112	0.236	0.006	36.7	0.0367	14	0.000974	0.000974	0.00000523	0.00361	0.000783	0.0234	0.00895	0.00000513	9.89	0.00000975	0.0000983
2058 Jun	83.1	0.111	0.234	0.00595	36.5	0.0365	13.9	0.000971	0.000971	0.00000521	0.00361	0.000784	0.0232	0.00904	0.00000511	9.94	0.00000977	0.0000993
2058 Jul	83.2	0.111	0.234	0.00596	36.5	0.0365	14	0.000972	0.000972	0.00000521	0.00361	0.000785	0.0232	0.00906	0.00000512	9.95	0.00000979	0.0000995
2058 Aug	83.3	0.112	0.234	0.00597	36.6	0.0366	14	0.000973	0.000973	0.00000522	0.00362	0.000787	0.0233	0.00907	0.00000513	9.97	0.00000981	0.0000997
2058 Sep	83.3	0.112	0.234	0.00596	36.6	0.0366	14	0.000973	0.000973	0.00000522	0.00362	0.000787	0.0233	0.00908	0.00000513	9.97	0.00000981	0.0000998
2058 Oct	83.3	0.112	0.234	0.00596	36.6	0.0366	14	0.000973	0.000973	0.00000522	0.00362	0.000787	0.0233	0.00908	0.00000513	9.97	0.00000981	0.0000998
2058 Nov	83.3	0.112	0.234	0.00596	36.6	0.0366	14	0.000973	0.000973	0.00000522	0.00362	0.000787	0.0233	0.00908	0.00000513	9.97	0.00000981	0.0000998
2058 Dec	83.3	0.112	0.234	0.00596	36.6	0.0366	14	0.000973	0.000973	0.00000522	0.00362	0.000787	0.0233	0.00908	0.00000513	9.97	0.00000981	0.0000998
2059 Jan	83.3	0.112	0.234	0.00596	36.6	0.0366	14	0.000973	0.000973	0.00000522	0.00362	0.000787	0.0233	0.00908	0.00000513	9.97	0.00000981	0.0000998
2059 Feb	83.3	0.112	0.234	0.00596	36.6	0.0366	14	0.000973	0.000973	0.00000522	0.00362	0.000787	0.0233	0.00908	0.00000513	9.97	0.00000981	0.0000998
2059 Mar	83.3	0.112	0.234	0.00596	36.6	0.0366	14	0.000973	0.000973	0.00000522	0.00362	0.000787	0.0233	0.00908	0.00000513	9.97	0.00000981	0.0000998
2059 Apr	83.3	0.112	0.234	0.00596	36.6	0.0366	14	0.000974	0.000974	0.00000522	0.00363	0.000787	0.0233	0.00908	0.00000513	9.98	0.00000981	0.0000998
2059 May	83.3	0.112	0.234	0.00596	36.6	0.0366	14	0.000974	0.000974	0.00000523	0.00363	0.000788	0.0233	0.0091	0.00000513	9.99	0.00000982	0.0001
2059 Jun	83.3	0.111	0.233	0.00595	36.5	0.0365	13.9	0.000974	0.000974	0.00000522	0.00363	0.00079	0.0232	0.00917	0.00000513	10	0.00000985	0.000101
2059 Jul	83.5	0.112	0.234	0.00596	36.6	0.0366	14	0.000976	0.000976	0.00000524	0.00365	0.000792	0.0233	0.00919	0.00000514	10.1	0.00000988	0.000101
2059 Aug	83.7	0.112	0.234	0.00598	36.7	0.0367	14	0.000979	0.000979	0.00000525	0.00365	0.000794	0.0233	0.00922	0.00000516	10.1	0.0000099	0.000101
2059 Sep	83.7	0.112	0.235	0.00598	36.7	0.0367	14	0.000979	0.000979	0.00000525	0.00366	0.000795	0.0234	0.00922	0.00000516	10.1	0.0000099	0.000101
2059 Oct	83.6	0.112	0.234	0.00596	36.6	0.0367	14	0.000978	0.000978	0.00000524	0.00366	0.000794	0.0233	0.00922	0.00000515	10.1	0.0000099	0.000101
2059 Nov	83.6	0.112	0.234	0.00596	36.6	0.0367	14	0.000978	0.000978	0.00000524	0.00366	0.000794	0.0233	0.00922	0.00000515	10.1	0.0000099	0.000101
2059 Dec	83.6	0.112	0.234	0.00596	36.6	0.0367	14	0.000978	0.000978	0.00000524	0.00366	0.000794	0.0233	0.00922	0.00000515	10.1	0.0000099	0.000101
2060 Jan	83.6	0.112	0.234	0.00596	36.6	0.0367	14	0.000978	0.000978	0.00000524	0.00366	0.000794	0.0233	0.00922	0.00000515	10.1	0.0000099	0.000101
2060 Feb	83.6	0.112	0.234	0.00596	36.6	0.0367	14	0.000978	0.000978	0.00000524	0.00366	0.000794	0.0233	0.00922	0.00000515	10.1	0.0000099	0.000101
2060 Mar	83.6	0.112	0.234	0.00596	36.6	0.0367	14	0.000978	0.000978	0.00000524	0.00366	0.000794	0.0233	0.00922	0.00000515	10.1	0.0000099	0.000101
2060 Apr	83.6	0.112	0.234	0.00596	36.6	0.0367	14	0.000978	0.000978	0.00000524	0.00366	0.000794	0.0233	0.00922	0.00000515	10.1	0.0000099	0.000101
2060 May	83.6	0.112	0.234	0.00596	36.6	0.0367	14	0.000978	0.000978	0.00000524	0.00366	0.000795	0.0233	0.00927	0.00000515	10.1	0.00000991	0.000102
2060 Jun	83.4	0.111	0.233	0.00593	36.5	0.0366	13.9	0.000976	0.000976	0.00000523	0.00367	0.000797	0.0232	0.00933	0.00000514	10.2	0.00000993	0.000103
2060 Jul	83.6	0.112	0.233	0.00594	36.6	0.0367	14	0.000979	0.000979	0.00000525	0.00368	0.000799	0.0233	0.00936	0.00000516	10.2	0.00000996	0.000103
2060 Aug	83.7	0.112	0.233	0.00595	36.6	0.0367	14	0.00098	0.00098	0.00000525	0.00368	0.0008	0.0233	0.00937	0.00000516	10.2	0.00000997	0.000103
2060 Sep	83.6	0.112	0.233	0.00594	36.5	0.0367	13.9	0.000979	0.000979	0.00000525	0.00368	0.000799	0.0232	0.00937	0.00000516	10.2	0.00000996	0.000103
2060 Oct	83.5	0.112	0.232	0.00593	36.5	0.0367	13.9	0.000979	0.000979	0.00000525	0.00368	0.000799	0.0232	0.00937	0.00000515	10.2	0.00000996	0.000103
2060 Nov	83.5	0.112	0.232	0.00593	36.5	0.0367	13.9	0.000979	0.000979	0.00000524	0.00368	0.000799	0.0232	0.00937	0.00000515	10.2	0.00000996	0.000103
2060 Dec	83.5	0.112	0.232	0.00593	36.5	0.0367	13.9	0.000979	0.000979	0.00000524	0.00368	0.000799	0.0232	0.00937	0.00000515	10.2	0.00000996	0.000103
2061 Jan	83.5	0.112	0.232	0.00593	36.5	0.0367	13.9	0.000979	0.000979	0.00000524	0.00368	0.000799	0.0232	0.00937	0.00000515	10.2	0.00000996	0.000103
2061 Feb	83.5	0.112	0.232	0.00593	36.5	0.0367	13.9	0.000979	0.000979	0.00000524	0.00368	0.000799	0.0232	0.00937	0.00000515	10.2	0.00000996	0.000103
2061 Mar	83.5	0.112	0.232	0.00593	36.5	0.0367	13.9	0.000979	0.000979	0.00000524	0.00368	0.000799	0.0232	0.00937	0.00000515	10.2	0.00000996	0.000103
2061 Apr	83.5	0.112	0.232	0.00593	36.5	0.0367	13.9	0.000979	0.000979	0.00000525	0.00368	0.000799	0.0232	0.00937	0.00000515	10.2	0.00000996	0.000103
2061 May	83.5	0.112	0.232	0.00592	36.5	0.0367	13.9	0.000979	0.000979	0.00000525	0.00369	0.000801	0.0232	0.00942	0.00000516	10.2	0.00000998	0.000104
2061 Jun	83.3	0.111	0.231	0.00589	36.3	0.0365	13.9	0.000976	0.000976	0.00000523	0.00369	0.000801	0.0231	0.00948	0.00000514	10.3	0.00000998	0.000104
2061 Jul	83.4	0.111	0.231	0.0059	36.4	0.0366	13.9	0.000978	0.000978	0.00000524	0.0037	0.000803	0.0231	0.0095	0.00000515	10.3	0.00001	0.000105
2061 Aug	83.6	0.111	0.232	0.00591	36.5	0.0366	13.9	0.00098	0.00098	0.00000525	0.00371	0.000805	0.0232	0.00953	0.00000516	10.3	0.00001	0.000105
2061 Sep	83.7	0.112	0.232	0.00591	36.5	0.0367	13.9	0.000981	0.000981	0.00000526	0.00371	0.000806	0.0232	0.00953	0.00000516	10.3	0.00001	0.000105
2061 Oct	83.5	0.111	0.231	0.0059	36.4	0.0366	13.9	0.00098	0.00098	0.00000525	0.00371	0.000805	0.0231	0.00953	0.00000516	10.3	0.00001	0.000105
2061 Nov	83.5	0.111	0.231	0.0059	36.4	0.0366	13.9	0.000979	0.000979	0.00000525	0.00371	0.000804	0.0231	0.00952	0.00000515	10.3	0.00001	0.000105
2061 Dec	83.5	0.111	0.231	0.0059	36.4	0.0366	13.9	0.000979	0.000979	0.00000525	0.00371	0.000804	0.0231	0.00952	0.00000515	10.3	0.00001	0.000105
2062 Jan	83.5	0.111	0.231	0.0059	36.4	0.0366	13.9	0.000979	0.000979	0.00000525	0.00371	0.000804	0.0231	0.00952	0.00000515	10.3	0.00001	0.000105

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2062 Feb	83.5	0.111	0.231	0.0059	36.4	0.0366	13.9	0.000979	0.000979	0.00000525	0.00371	0.000804	0.0231	0.00953	0.00000516	10.3	0.00001	0.000105
2062 Mar	83.5	0.111	0.231	0.0059	36.4	0.0366	13.9	0.000979	0.000979	0.00000525	0.00371	0.000804	0.0231	0.00953	0.00000516	10.3	0.00001	0.000105
2062 Apr	83.5	0.111	0.231	0.0059	36.4	0.0366	13.9	0.000979	0.000979	0.00000525	0.00371	0.000805	0.0231	0.00953	0.00000516	10.3	0.00001	0.000105
2062 May	83.5	0.111	0.231	0.0059	36.4	0.0366	13.9	0.00098	0.00098	0.00000525	0.00371	0.000805	0.0232	0.00953	0.00000516	10.3	0.00001	0.000105
2062 Jun	83.2	0.111	0.23	0.00588	36.3	0.0365	13.8	0.000979	0.000979	0.00000524	0.00372	0.000804	0.0231	0.00952	0.00000515	10.3	0.0000101	0.000105
2062 Jul	83.1	0.111	0.23	0.00587	36.2	0.0365	13.8	0.000978	0.000978	0.00000524	0.00373	0.000804	0.023	0.00953	0.00000515	10.3	0.0000101	0.000105
2062 Aug	83.1	0.111	0.23	0.00587	36.2	0.0365	13.8	0.000979	0.000979	0.00000524	0.00373	0.000805	0.023	0.00954	0.00000515	10.3	0.0000101	0.000105
2062 Sep	83.1	0.111	0.229	0.00586	36.2	0.0365	13.8	0.000979	0.000979	0.00000524	0.00373	0.000805	0.023	0.00954	0.00000515	10.3	0.0000101	0.000105
2062 Oct	82.8	0.11	0.228	0.00583	36	0.0364	13.7	0.000976	0.000976	0.00000522	0.00373	0.000803	0.0229	0.00952	0.00000513	10.3	0.0000101	0.000105
2062 Nov	82.8	0.11	0.228	0.00583	36	0.0364	13.7	0.000976	0.000976	0.00000522	0.00373	0.000803	0.0229	0.00952	0.00000513	10.3	0.0000101	0.000105
2062 Dec	82.8	0.11	0.228	0.00583	36	0.0364	13.7	0.000976	0.000976	0.00000522	0.00373	0.000803	0.0229	0.00952	0.00000513	10.3	0.0000101	0.000105
2063 Jan	82.8	0.11	0.228	0.00583	36	0.0364	13.7	0.000976	0.000976	0.00000522	0.00373	0.000803	0.0229	0.00952	0.00000513	10.3	0.0000101	0.000105
2063 Feb	82.8	0.11	0.228	0.00583	36	0.0364	13.7	0.000976	0.000976	0.00000522	0.00373	0.000803	0.0229	0.00952	0.00000513	10.3	0.0000101	0.000105
2063 Mar	82.8	0.11	0.228	0.00583	36	0.0364	13.7	0.000976	0.000976	0.00000522	0.00373	0.000803	0.0229	0.00953	0.00000513	10.3	0.0000101	0.000105
2063 Apr	82.8	0.11	0.228	0.00583	36	0.0364	13.7	0.000976	0.000976	0.00000522	0.00373	0.000803	0.0229	0.00953	0.00000513	10.3	0.0000101	0.000105
2063 May	82.8	0.11	0.228	0.00583	36	0.0364	13.7	0.000976	0.000976	0.00000523	0.00373	0.000804	0.0229	0.00955	0.00000514	10.3	0.0000101	0.000106
2063 Jun	82.3	0.109	0.226	0.00577	35.7	0.0362	13.6	0.000972	0.000972	0.0000052	0.00373	0.000804	0.0227	0.00963	0.00000511	10.3	0.0000101	0.000107
2063 Jul	82.3	0.109	0.226	0.00577	35.7	0.0361	13.6	0.000972	0.000972	0.0000052	0.00374	0.000804	0.0227	0.00964	0.00000511	10.3	0.0000101	0.000107
2063 Aug	82.5	0.11	0.226	0.00578	35.8	0.0362	13.6	0.000974	0.000974	0.00000521	0.00375	0.000806	0.0228	0.00966	0.00000512	10.4	0.0000101	0.000107
2063 Sep	82.5	0.11	0.226	0.00578	35.8	0.0362	13.6	0.000974	0.000974	0.00000521	0.00375	0.000807	0.0228	0.00967	0.00000512	10.4	0.0000101	0.000107
2063 Oct	82.4	0.11	0.226	0.00578	35.7	0.0362	13.6	0.000974	0.000974	0.00000521	0.00375	0.000806	0.0228	0.00966	0.00000512	10.4	0.0000101	0.000107
2063 Nov	82.4	0.11	0.226	0.00578	35.7	0.0362	13.6	0.000974	0.000974	0.00000521	0.00375	0.000806	0.0228	0.00967	0.00000512	10.4	0.0000101	0.000107
2063 Dec	82.4	0.11	0.226	0.00578	35.7	0.0362	13.6	0.000974	0.000974	0.00000521	0.00375	0.000806	0.0228	0.00967	0.00000512	10.4	0.0000101	0.000107
2064 Jan	82.4	0.11	0.226	0.00578	35.7	0.0362	13.6	0.000974	0.000974	0.00000521	0.00375	0.000806	0.0228	0.00967	0.00000512	10.4	0.0000101	0.000107
2064 Feb	82.4	0.11	0.226	0.00578	35.7	0.0362	13.6	0.000974	0.000974	0.00000521	0.00375	0.000806	0.0228	0.00967	0.00000512	10.4	0.0000101	0.000107
2064 Mar	82.4	0.11	0.226	0.00578	35.7	0.0362	13.6	0.000974	0.000974	0.00000521	0.00375	0.000807	0.0228	0.00967	0.00000512	10.4	0.0000101	0.000107
2064 Apr	82.5	0.11	0.226	0.00578	35.7	0.0362	13.6	0.000974	0.000974	0.00000521	0.00375	0.000807	0.0228	0.00967	0.00000512	10.4	0.0000101	0.000107
2064 May	82.5	0.11	0.226	0.00577	35.7	0.0362	13.6	0.000974	0.000974	0.00000521	0.00375	0.000808	0.0228	0.0097	0.00000512	10.4	0.0000101	0.000107
2064 Jun	82.2	0.109	0.224	0.00573	35.5	0.036	13.5	0.000971	0.000971	0.00000519	0.00375	0.000809	0.0226	0.00978	0.00000511	10.4	0.0000102	0.000108
2064 Jul	82.3	0.109	0.224	0.00574	35.6	0.0361	13.6	0.000973	0.000973	0.0000052	0.00376	0.00081	0.0227	0.0098	0.00000511	10.5	0.0000102	0.000108
2064 Aug	82.4	0.109	0.224	0.00574	35.6	0.0361	13.6	0.000974	0.000974	0.00000521	0.00377	0.000811	0.0227	0.00981	0.00000512	10.5	0.0000102	0.000109
2064 Sep	82.3	0.109	0.224	0.00574	35.6	0.0361	13.6	0.000973	0.000973	0.0000052	0.00377	0.000811	0.0226	0.00981	0.00000512	10.5	0.0000102	0.000109
2064 Oct	82.3	0.109	0.224	0.00574	35.6	0.0361	13.6	0.000973	0.000973	0.0000052	0.00377	0.000811	0.0226	0.00982	0.00000512	10.5	0.0000102	0.000109
2064 Nov	82.3	0.109	0.224	0.00574	35.6	0.0361	13.6	0.000973	0.000973	0.00000521	0.00377	0.000811	0.0227	0.00982	0.00000512	10.5	0.0000102	0.000109
2064 Dec	82.3	0.109	0.224	0.00574	35.6	0.0361	13.6	0.000973	0.000973	0.00000521	0.00377	0.000811	0.0227	0.00982	0.00000512	10.5	0.0000102	0.000109
2065 Jan	82.3	0.109	0.224	0.00574	35.6	0.0361	13.6	0.000973	0.000973	0.00000521	0.00377	0.000811	0.0227	0.00982	0.00000512	10.5	0.0000102	0.000109
2065 Feb	82.3	0.109	0.224	0.00574	35.6	0.0361	13.6	0.000973	0.000973	0.00000521	0.00377	0.000811	0.0227	0.00982	0.00000512	10.5	0.0000102	0.000109
2065 Mar	82.3	0.109	0.224	0.00574	35.6	0.0361	13.6	0.000973	0.000973	0.00000521	0.00377	0.000811	0.0227	0.00982	0.00000512	10.5	0.0000102	0.000109
2065 Apr	82.3	0.109	0.224	0.00574	35.6	0.0361	13.6	0.000974	0.000974	0.00000521	0.00377	0.000811	0.0227	0.00982	0.00000512	10.5	0.0000102	0.000109
2065 May	82.4	0.109	0.224	0.00574	35.6	0.0361	13.6	0.000974	0.000974	0.00000521	0.00377	0.000813	0.0227	0.00985	0.00000512	10.5	0.0000102	0.000109
2065 Jun	82.1	0.109	0.223	0.00571	35.4	0.036	13.5	0.000972	0.000972	0.0000052	0.00378	0.000813	0.0226	0.00991	0.00000511	10.5	0.0000102	0.00011
2065 Jul	82.3	0.109	0.223	0.00572	35.5	0.0361	13.5	0.000974	0.000974	0.00000521	0.00379	0.000815	0.0226	0.00993	0.00000512	10.6	0.0000102	0.00011
2065 Aug	82.5	0.109	0.224	0.00573	35.6	0.0362	13.6	0.000976	0.000976	0.00000522	0.0038	0.000817	0.0227	0.00995	0.00000513	10.6	0.0000103	0.00011
2065 Sep	82.4	0.109	0.223	0.00572	35.5	0.0361	13.5	0.000975	0.000975	0.00000521	0.0038	0.000816	0.0226	0.00995	0.00000513	10.6	0.0000102	0.00011
2065 Oct	82.1	0.109	0.222	0.0057	35.4	0.0361	13.5	0.000973	0.000973	0.0000052	0.00379	0.000815	0.0225	0.00994	0.00000511	10.6	0.0000102	0.00011
2065 Nov	82.1	0.109	0.222	0.0057	35.4	0.0361	13.5	0.000973	0.000973	0.0000052	0.0038	0.000815	0.0225	0.00994	0.00000511	10.6	0.0000102	0.00011
2065 Dec	82.1	0.109	0.222	0.0057	35.4	0.0361	13.5	0.000973	0.000973	0.0000052	0.0038	0.000815	0.0225	0.00994	0.00000511	10.6	0.0000102	0.00011
2066 Jan	82.1	0.109	0.222	0.0057	35.4	0.0361	13.5	0.000973	0.000973	0.0000052	0.0038	0.000815	0.0225	0.00994	0.00000511	10.6	0.0000102	0.00011
2066 Feb	82.1	0.109	0.222	0.0057	35.4	0.0361	13.5	0.000973	0.000973	0.0000052	0.0038	0.000815	0.0225	0.00994	0.00000511	10.6	0.0000102	0.00011
2066 Mar	82.1	0.109	0.222	0.0057	35.4	0.0361	13.5	0.000973	0.000973	0.0000052	0.0038	0.000815	0.0225	0.00994	0.00000511	10.6	0.0000102	0.00011
2066 Apr	82.1	0.109	0.222	0.0057	35.4	0.0361	13.5	0.000973	0.000973	0.0000052	0.0038	0.000815	0.0225	0.00994	0.00000512	10.6	0.0000102	0.00011
2066 May	82.2	0.109	0.222	0.0057	35.4	0.0361	13.5	0.000974	0.000974	0.00000521	0.0038	0.000816	0.0226	0.00995	0.00000512	10.6	0.0000102	0.00011
2066 Jun	81.8	0.108	0.221	0.00566	35.2	0.0359	13.4	0.000971	0.000971	0.00000519	0.0038	0.000815	0.0224	0.00998	0.0000051	10.6	0.0000103	0.000111
2066 Jul	82	0.108	0.221	0.00567	35.3	0.036	13.4	0.000974	0.000974	0.0000052	0.00382	0.000817	0.0225	0.01	0.00000512	10.6	0.0000103	0.000111
2066 Aug	82.2	0.109	0.222	0.00569	35.3	0.0361	13.5	0.000976	0.000976	0.00000521	0.00382	0.000819	0.0225	0.01	0.00000513	10.6	0.0000103	0.000111
2066 Sep	82.2	0.109	0.222	0.00568	35.3	0.0361	13.5	0.000976	0.000976	0.00000522	0.00383	0.00082	0.0225	0.01	0.00000513	10.6	0.0000103	0.000111
2066 Oct	82.1	0.109	0.221	0.00568	35.3	0.0361	13.5	0.000975	0.000975	0.00000521	0.00383	0.000819	0.0225	0.01	0.00000512	10.6	0.0000103	0.000111
2066 Nov	82.1	0.108	0.221	0.00568	35.3	0.0361	13.4	0.000975	0.000975	0.00000521	0.00383	0.000819	0.0225	0.01	0.00000512	10.6	0.0000103	0.000111
2066 Dec	82.1	0.108	0.221	0.00568	35.3	0.0361	13.4	0.000975	0.000975	0.00000521	0.00383	0.000819	0.0225	0.01	0.00000512	10.6	0.0000103	0.000111
2067 Jan	82.1	0.108	0.221	0.00568	35.3	0.0361	13.4	0.000975	0.000975	0.00000521	0.00383	0.000819	0.0225	0.01	0.00000512	10.6	0.0000103	0.000111
2067 Feb	82.1	0.108	0.221	0.00568	35.3	0.0361	13.4	0.000975	0.000975	0.00000521	0.00383	0.000819	0.0225	0.01	0.00000512	10.6	0.0000103	0.000111
2067 Mar	82.1	0.108	0.221	0.00568	35.3	0.0361	13.4	0.000975	0.000975	0.00000521	0.00383	0.000819	0.0225	0.01	0.00000512	10.6	0.0000103	0.000111
2067 Apr	82.1	0.109	0.221	0.00568	35.3	0.0361	13.5	0.000976	0.000976	0.00000521	0.00383	0.000819	0.0225	0.01	0.00000513	10.6	0.0000103	0.000111
2067 May	82.1	0.109	0.221	0.00568	35.3	0.0361	13.5	0.000976	0.000976	0.00000522	0.00383	0.000821	0.0225	0.0101	0.00000513	10.7	0.0000103	0.000112
2067 Jun	82	0.108	0.22	0.00565	35.2	0.036	13.4	0.000975	0.000975	0.00000521	0.00384	0.000822	0.0224	0.0101	0.00000512	10.7	0.0000104	0.000112
2067 Jul	82.2	0.108	0.221	0.00567	35.3	0.0361	13.4	0.000977	0.000977	0.00000522	0.00385	0.000824	0.0225	0.0101	0.00000513	10.7	0.0000104	0.000113
2067 Aug	82.3	0.109	0.221	0.00567	35.3	0.0361	13.5	0.000979	0.000979	0.00000523	0.00385	0.000825	0.0225	0.0102	0.00000514	10.7	0.0000104	0.000113
2067 Sep	82.3	0.109	0.221	0.00567	35.3	0.0361	13.5	0.000979	0.000979	0.00000523	0.00386	0.000826	0.0225	0.0102	0.00000514	10.7	0.0000104	0.000113
2067 Oct	82.2	0.108	0.221	0.00566	35.3	0.0361	13.4	0.000978	0.000978	0.00000522	0.00386	0.000825	0.0225	0.0102	0.00000514	10.7	0.0000104	0.000113
2067 Nov	82.2	0.108	0.221	0.00566	35.3	0.0361	13.4	0.000978	0.000978	0.00000522	0.00386	0.000825	0.0225	0.0102	0.00000514	10.7	0.0000104	0.000113
2067 Dec	82.2	0.108	0.221	0.00566	35.3	0.0361	13.4	0.000978	0.000978	0.00000522	0.00386	0.000825	0.0225	0.0102	0.00000514	10.7	0.0000104	0.000113
2068 Jan	82.2	0.108	0.221	0.00566	35.3	0.0361	13.4	0.000978	0.000978	0.00000522	0.00386	0.000825	0.0225	0.0102	0.00000514	10.7	0.0000104	0.000113

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2068 Feb	82.2	0.108	0.221	0.00566	35.3	0.0361	13.4	0.000978	0.000978	0.00000522	0.00386	0.000825	0.0225	0.0102	0.00000514	10.7	0.0000104	0.000113
2068 Mar	82.2	0.109	0.221	0.00566	35.3	0.0361	13.4	0.000978	0.000978	0.00000522	0.00386	0.000825	0.0225	0.0102	0.00000514	10.7	0.0000104	0.000113
2068 Apr	82.2	0.109	0.221	0.00566	35.3	0.0361	13.4	0.000978	0.000978	0.00000523	0.00386	0.000825	0.0225	0.0102	0.00000514	10.7	0.0000104	0.000113
2068 May	82.3	0.109	0.221	0.00566	35.3	0.0361	13.4	0.000979	0.000979	0.00000523	0.00386	0.000827	0.0225	0.0102	0.00000514	10.8	0.0000104	0.000113
2068 Jun	81.8	0.108	0.219	0.00561	35	0.0359	13.3	0.000974	0.000974	0.0000052	0.00386	0.000826	0.0223	0.0103	0.00000512	10.8	0.0000104	0.000114
2068 Jul	81.9	0.108	0.219	0.00562	35.1	0.0359	13.4	0.000976	0.000976	0.00000521	0.00387	0.000828	0.0223	0.0103	0.00000512	10.8	0.0000104	0.000114
2068 Aug	82.1	0.108	0.219	0.00563	35.1	0.036	13.4	0.000978	0.000978	0.00000522	0.00388	0.00083	0.0224	0.0103	0.00000514	10.8	0.0000105	0.000115
2068 Sep	82.1	0.108	0.219	0.00563	35.1	0.036	13.4	0.000978	0.000978	0.00000522	0.00388	0.00083	0.0224	0.0103	0.00000514	10.8	0.0000105	0.000115
2068 Oct	82.1	0.108	0.219	0.00563	35.1	0.036	13.4	0.000979	0.000979	0.00000522	0.00388	0.00083	0.0224	0.0103	0.00000514	10.8	0.0000105	0.000115
2068 Nov	82.1	0.108	0.219	0.00563	35.1	0.036	13.4	0.000979	0.000979	0.00000522	0.00388	0.00083	0.0224	0.0103	0.00000514	10.8	0.0000105	0.000115
2068 Dec	82.1	0.108	0.219	0.00563	35.1	0.036	13.4	0.000979	0.000979	0.00000522	0.00388	0.00083	0.0224	0.0103	0.00000514	10.8	0.0000105	0.000115
2069 Jan	82.1	0.108	0.219	0.00563	35.1	0.036	13.4	0.000979	0.000979	0.00000522	0.00388	0.00083	0.0224	0.0103	0.00000514	10.8	0.0000105	0.000115
2069 Feb	82.1	0.108	0.219	0.00563	35.1	0.036	13.4	0.000979	0.000979	0.00000522	0.00388	0.00083	0.0224	0.0103	0.00000514	10.8	0.0000105	0.000115
2069 Mar	82.1	0.108	0.219	0.00563	35.1	0.036	13.4	0.000979	0.000979	0.00000522	0.00388	0.00083	0.0224	0.0103	0.00000514	10.8	0.0000105	0.000115
2069 Apr	82.1	0.108	0.219	0.00563	35.1	0.036	13.4	0.000979	0.000979	0.00000523	0.00388	0.00083	0.0224	0.0103	0.00000514	10.8	0.0000105	0.000115
2069 May	82.2	0.108	0.219	0.00564	35.2	0.0361	13.4	0.00098	0.00098	0.00000523	0.00389	0.000831	0.0224	0.0103	0.00000514	10.8	0.0000105	0.000115
2069 Jun	81.9	0.108	0.218	0.00561	35	0.036	13.3	0.000978	0.000978	0.00000522	0.00389	0.000831	0.0223	0.0103	0.00000513	10.9	0.0000105	0.000115
2069 Jul	82	0.108	0.218	0.00561	35	0.036	13.3	0.00098	0.00098	0.00000523	0.0039	0.000832	0.0224	0.0104	0.00000514	10.9	0.0000105	0.000115
2069 Aug	82.1	0.108	0.219	0.00562	35.1	0.0361	13.4	0.000981	0.000981	0.00000524	0.00391	0.000834	0.0224	0.0104	0.00000515	10.9	0.0000105	0.000116
2069 Sep	82	0.108	0.218	0.00561	35	0.036	13.3	0.00098	0.00098	0.00000523	0.00391	0.000833	0.0224	0.0104	0.00000514	10.9	0.0000105	0.000116
2069 Oct	81.8	0.108	0.217	0.00559	34.9	0.036	13.3	0.000978	0.000978	0.00000522	0.00391	0.000832	0.0223	0.0104	0.00000513	10.9	0.0000105	0.000115
2069 Nov	81.8	0.108	0.217	0.00559	34.9	0.036	13.3	0.000978	0.000978	0.00000522	0.00391	0.000832	0.0223	0.0104	0.00000513	10.9	0.0000105	0.000115
2069 Dec	81.8	0.108	0.217	0.00559	34.9	0.036	13.3	0.000978	0.000978	0.00000522	0.00391	0.000832	0.0223	0.0104	0.00000513	10.9	0.0000105	0.000115
2070 Jan	81.8	0.108	0.217	0.00559	34.9	0.036	13.3	0.000978	0.000978	0.00000522	0.00391	0.000832	0.0223	0.0104	0.00000513	10.9	0.0000105	0.000115
2070 Feb	81.8	0.108	0.217	0.00559	34.9	0.036	13.3	0.000978	0.000978	0.00000522	0.00391	0.000832	0.0223	0.0104	0.00000513	10.9	0.0000105	0.000115
2070 Mar	81.8	0.108	0.217	0.00559	34.9	0.036	13.3	0.000978	0.000978	0.00000522	0.00391	0.000832	0.0223	0.0104	0.00000513	10.9	0.0000105	0.000115
2070 Apr	81.8	0.108	0.217	0.00559	34.9	0.036	13.3	0.000979	0.000979	0.00000522	0.00391	0.000832	0.0223	0.0104	0.00000514	10.9	0.0000105	0.000115
2070 May	81.9	0.108	0.217	0.00559	34.9	0.036	13.3	0.000979	0.000979	0.00000522	0.00391	0.000833	0.0223	0.0104	0.00000514	10.9	0.0000105	0.000116
2070 Jun	81.7	0.107	0.216	0.00557	34.8	0.0359	13.3	0.000978	0.000978	0.00000522	0.00392	0.000834	0.0222	0.0105	0.00000513	10.9	0.0000106	0.000116
2070 Jul	81.9	0.108	0.217	0.00558	34.9	0.036	13.3	0.00098	0.00098	0.00000523	0.00392	0.000836	0.0223	0.0105	0.00000514	10.9	0.0000106	0.000117
2070 Aug	82	0.108	0.217	0.00559	34.9	0.036	13.3	0.000981	0.000981	0.00000523	0.00393	0.000838	0.0223	0.0105	0.00000515	11	0.0000106	0.000117
2070 Sep	81.9	0.108	0.217	0.00558	34.9	0.036	13.3	0.000981	0.000981	0.00000523	0.00393	0.000837	0.0223	0.0105	0.00000514	11	0.0000106	0.000117
2070 Oct	81.8	0.108	0.216	0.00557	34.8	0.036	13.3	0.00098	0.00098	0.00000522	0.00393	0.000836	0.0222	0.0105	0.00000514	11	0.0000106	0.000117
2070 Nov	81.8	0.108	0.216	0.00557	34.8	0.036	13.3	0.00098	0.00098	0.00000522	0.00393	0.000837	0.0222	0.0105	0.00000514	11	0.0000106	0.000117
2070 Dec	81.8	0.108	0.216	0.00557	34.8	0.036	13.3	0.00098	0.00098	0.00000522	0.00393	0.000837	0.0222	0.0105	0.00000514	11	0.0000106	0.000117
2071 Jan	81.8	0.108	0.216	0.00557	34.8	0.036	13.3	0.00098	0.00098	0.00000522	0.00393	0.000837	0.0222	0.0105	0.00000514	11	0.0000106	0.000117
2071 Feb	81.8	0.108	0.216	0.00557	34.8	0.036	13.3	0.00098	0.00098	0.00000522	0.00393	0.000837	0.0222	0.0105	0.00000514	11	0.0000106	0.000117
2071 Mar	81.8	0.108	0.216	0.00557	34.8	0.036	13.3	0.00098	0.00098	0.00000522	0.00393	0.000837	0.0222	0.0105	0.00000514	11	0.0000106	0.000117
2071 Apr	81.8	0.108	0.216	0.00557	34.8	0.036	13.3	0.00098	0.00098	0.00000522	0.00393	0.000837	0.0222	0.0105	0.00000514	11	0.0000106	0.000117
2071 May	81.8	0.107	0.216	0.00556	34.8	0.036	13.3	0.00098	0.00098	0.00000522	0.00394	0.000837	0.0222	0.0105	0.00000514	11	0.0000106	0.000117
2071 Jun	81.6	0.107	0.215	0.00553	34.7	0.0358	13.2	0.000977	0.000977	0.00000521	0.00394	0.000838	0.0221	0.0106	0.00000513	11	0.0000106	0.000118
2071 Jul	81.6	0.107	0.215	0.00553	34.7	0.0358	13.2	0.000978	0.000978	0.00000522	0.00394	0.000839	0.0221	0.0106	0.00000513	11	0.0000106	0.000118
2071 Aug	81.8	0.107	0.215	0.00554	34.7	0.0359	13.2	0.00098	0.00098	0.00000523	0.00395	0.000841	0.0222	0.0106	0.00000514	11	0.0000106	0.000118
2071 Sep	81.7	0.107	0.215	0.00554	34.7	0.0359	13.2	0.00098	0.00098	0.00000522	0.00395	0.00084	0.0221	0.0106	0.00000514	11	0.0000106	0.000118
2071 Oct	81.6	0.107	0.215	0.00553	34.7	0.0359	13.2	0.000979	0.000979	0.00000522	0.00395	0.00084	0.0221	0.0106	0.00000513	11	0.0000106	0.000118
2071 Nov	81.6	0.107	0.215	0.00553	34.7	0.0359	13.2	0.000979	0.000979	0.00000522	0.00395	0.00084	0.0221	0.0106	0.00000513	11	0.0000106	0.000118
2071 Dec	81.6	0.107	0.215	0.00553	34.7	0.0359	13.2	0.000979	0.000979	0.00000522	0.00395	0.00084	0.0221	0.0106	0.00000513	11	0.0000106	0.000118
2072 Jan	81.6	0.107	0.215	0.00553	34.7	0.0359	13.2	0.000979	0.000979	0.00000522	0.00395	0.00084	0.0221	0.0106	0.00000513	11	0.0000106	0.000118
2072 Feb	81.6	0.107	0.215	0.00553	34.7	0.0359	13.2	0.000979	0.000979	0.00000522	0.00395	0.00084	0.0221	0.0106	0.00000513	11	0.0000106	0.000118
2072 Mar	81.6	0.107	0.215	0.00553	34.7	0.0359	13.2	0.000979	0.000979	0.00000522	0.00395	0.00084	0.0221	0.0106	0.00000513	11	0.0000106	0.000118
2072 Apr	81.6	0.107	0.215	0.00553	34.7	0.0359	13.2	0.000979	0.000979	0.00000522	0.00395	0.00084	0.0221	0.0106	0.00000514	11	0.0000106	0.000118
2072 May	81.7	0.107	0.215	0.00553	34.7	0.0359	13.2	0.00098	0.00098	0.00000522	0.00396	0.000841	0.0221	0.0106	0.00000514	11	0.0000106	0.000118
2072 Jun	81.5	0.107	0.214	0.00552	34.6	0.0359	13.2	0.000979	0.000979	0.00000522	0.00396	0.000841	0.0221	0.0106	0.00000514	11	0.0000107	0.000119
2072 Jul	81.6	0.107	0.214	0.00552	34.6	0.0359	13.2	0.00098	0.00098	0.00000522	0.00397	0.000841	0.0221	0.0106	0.00000514	11	0.0000107	0.000119
2072 Aug	81.5	0.107	0.214	0.00552	34.6	0.0359	13.2	0.00098	0.00098	0.00000522	0.00397	0.000842	0.0221	0.0106	0.00000514	11.1	0.0000107	0.000119
2072 Sep	81.5	0.107	0.214	0.00551	34.5	0.0359	13.1	0.00098	0.00098	0.00000522	0.00397	0.000842	0.0221	0.0106	0.00000514	11.1	0.0000107	0.000119
2072 Oct	81.3	0.107	0.213	0.0055	34.5	0.0358	13.1	0.000979	0.000979	0.00000521	0.00397	0.000841	0.022	0.0106	0.00000513	11	0.0000107	0.000119
2072 Nov	81.3	0.107	0.213	0.00549	34.5	0.0358	13.1	0.000979	0.000979	0.00000521	0.00397	0.000841	0.022	0.0106	0.00000513	11	0.0000107	0.000119
2072 Dec	81.3	0.107	0.213	0.0055	34.5	0.0358	13.1	0.000979	0.000979	0.00000521	0.00397	0.000841	0.022	0.0106	0.00000513	11	0.0000107	0.000119
2073 Jan	81.3	0.107	0.213	0.0055	34.5	0.0358	13.1	0.000979	0.000979	0.00000521	0.00397	0.000841	0.022	0.0106	0.00000513	11	0.0000107	0.000119
2073 Feb	81.3	0.107	0.213	0.0055	34.5	0.0358	13.1	0.000979	0.000979	0.00000521	0.00397	0.000841	0.022	0.0106	0.00000513	11	0.0000107	0.000119
2073 Mar	81.3	0.107	0.213	0.0055	34.5	0.0358	13.1	0.000979	0.000979	0.00000521	0.00397	0.000841	0.022	0.0106	0.00000513	11	0.0000107	0.000119
2073 Apr	81.3	0.107	0.213	0.0055	34.5	0.0359	13.1	0.000979	0.000979	0.00000522	0.00397	0.000841	0.022	0.0106	0.00000513	11	0.0000107	0.000119
2073 May	81.4	0.107	0.213	0.00549	34.5	0.0358	13.1	0.000979	0.000979	0.00000522	0.00398	0.000842	0.022	0.0107	0.00000513	11.1	0.0000107	0.000119
2073 Jun	81.2	0.106	0.212	0.00547	34.4	0.0357	13.1	0.000978	0.000978	0.00000521	0.00398	0.000844	0.0219	0.0107	0.00000512	11.1	0.0000107	0.00012
2073 Jul	81.3	0.106	0.212	0.00547	34.4	0.0358	13.1	0.000979	0.000979	0.00000521	0.00399	0.000845	0.022	0.0108	0.00000513	11.1	0.0000107	0.00012
2073 Aug	81.4	0.107	0.212	0.00548	34.4	0.0358	13.1	0.000981	0.000981	0.00000522	0.00399	0.000846	0.022	0.0108	0.00000514	11.1	0.0000107	0.00012
2073 Sep	81.4	0.106	0.212	0.00548	34.4	0.0358	13.1	0.00098	0.00098	0.00000522	0.004	0.000846	0.022	0.0108	0.00000514	11.1	0.0000107	0.00012
2073 Oct	81.3	0.106	0.212	0.00547	34.4	0.0358	13.1	0.000979	0.000979	0.00000522	0.004	0.000846	0.022	0.0108	0.00000513	11.1	0.0000107	0.00012
2073 Nov	81.3	0.106	0.212	0.00547	34.4	0.0358	13.1	0.000979	0.000979	0.00000522	0.004	0.000846	0.022	0.0108	0.00000513	11.1	0.0000107	0.00012
2073 Dec	81.3	0.106	0.212	0.00547	34.4	0.0358	13.1	0.000979	0.000979	0.00000522	0.004	0.000846	0.022	0.0108	0.00000513	11.1	0.0000107	0.00012
2074 Jan	81.3	0.106	0.212	0.00547	34.4	0.0358	13.1	0.000979	0.000979	0.00000522	0.004	0.000846	0.022	0.0108	0.00000513	11.1	0.0000107	0.00012

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2074 Feb	81.3	0.106	0.212	0.00547	34.4	0.0358	13.1	0.000979	0.000979	0.00000522	0.004	0.000846	0.022	0.0108	0.00000513	11.1	0.0000107	0.00012
2074 Mar	81.3	0.106	0.212	0.00547	34.4	0.0358	13.1	0.000979	0.000979	0.00000522	0.004	0.000846	0.022	0.0108	0.00000513	11.1	0.0000107	0.00012
2074 Apr	81.3	0.106	0.212	0.00547	34.4	0.0358	13.1	0.00098	0.00098	0.00000522	0.004	0.000846	0.022	0.0108	0.00000513	11.1	0.0000107	0.00012
2074 May	81.3	0.106	0.212	0.00546	34.3	0.0358	13.1	0.00098	0.00098	0.00000522	0.004	0.000848	0.0219	0.0108	0.00000513	11.2	0.0000107	0.000121
2074 Jun	81	0.106	0.21	0.00542	34.2	0.0356	13	0.000976	0.000976	0.0000052	0.004	0.000848	0.0218	0.0109	0.00000512	11.2	0.0000107	0.000122
2074 Jul	81.2	0.106	0.21	0.00543	34.2	0.0357	13	0.000978	0.000978	0.00000521	0.00401	0.00085	0.0219	0.0109	0.00000513	11.2	0.0000108	0.000122
2074 Aug	81.4	0.106	0.211	0.00545	34.3	0.0358	13.1	0.000981	0.000981	0.00000522	0.00402	0.000852	0.0219	0.0109	0.00000514	11.3	0.0000108	0.000122
2074 Sep	81.3	0.106	0.211	0.00544	34.3	0.0358	13	0.00098	0.00098	0.00000522	0.00402	0.000852	0.0219	0.0109	0.00000514	11.3	0.0000108	0.000122
2074 Oct	81.2	0.106	0.21	0.00543	34.2	0.0357	13	0.00098	0.00098	0.00000522	0.00402	0.000851	0.0219	0.0109	0.00000513	11.3	0.0000108	0.000122
2074 Nov	81.2	0.106	0.21	0.00543	34.2	0.0357	13	0.00098	0.00098	0.00000522	0.00402	0.000851	0.0219	0.0109	0.00000513	11.3	0.0000108	0.000122
2074 Dec	81.2	0.106	0.21	0.00543	34.2	0.0357	13	0.00098	0.00098	0.00000522	0.00402	0.000852	0.0219	0.0109	0.00000513	11.3	0.0000108	0.000122
2075 Jan	81.2	0.106	0.21	0.00543	34.2	0.0357	13	0.00098	0.00098	0.00000522	0.00402	0.000852	0.0219	0.0109	0.00000513	11.3	0.0000108	0.000122
2075 Feb	81.2	0.106	0.21	0.00543	34.2	0.0357	13	0.00098	0.00098	0.00000522	0.00402	0.000852	0.0219	0.0109	0.00000513	11.3	0.0000108	0.000122
2075 Mar	81.2	0.106	0.21	0.00543	34.2	0.0357	13	0.00098	0.00098	0.00000522	0.00402	0.000852	0.0219	0.0109	0.00000513	11.3	0.0000108	0.000122
2075 Apr	81.3	0.106	0.21	0.00544	34.2	0.0358	13	0.00098	0.00098	0.00000522	0.00402	0.000852	0.0219	0.0109	0.00000514	11.3	0.0000108	0.000122
2075 May	81.3	0.106	0.211	0.00544	34.3	0.0358	13	0.000981	0.000981	0.00000522	0.00403	0.000853	0.0219	0.011	0.00000514	11.3	0.0000108	0.000122
2075 Jun	81	0.106	0.209	0.00541	34.1	0.0356	13	0.000979	0.000979	0.00000521	0.00403	0.000851	0.0218	0.0109	0.00000513	11.3	0.0000108	0.000123
2075 Jul	81	0.106	0.209	0.00541	34.1	0.0357	13	0.00098	0.00098	0.00000521	0.00404	0.000852	0.0218	0.011	0.00000513	11.3	0.0000108	0.000123
2075 Aug	81.1	0.106	0.209	0.00542	34.1	0.0357	13	0.000981	0.000981	0.00000522	0.00404	0.000853	0.0218	0.011	0.00000514	11.3	0.0000109	0.000123
2075 Sep	81.1	0.106	0.21	0.00542	34.1	0.0357	13	0.000982	0.000982	0.00000522	0.00405	0.000853	0.0218	0.011	0.00000514	11.3	0.0000109	0.000123
2075 Oct	81.1	0.106	0.209	0.00541	34.1	0.0357	13	0.000981	0.000981	0.00000522	0.00405	0.000853	0.0218	0.011	0.00000514	11.3	0.0000109	0.000123
2075 Nov	81.1	0.106	0.209	0.00541	34.1	0.0357	13	0.000981	0.000981	0.00000522	0.00405	0.000853	0.0218	0.011	0.00000514	11.3	0.0000109	0.000123
2075 Dec	81.1	0.106	0.209	0.00541	34.1	0.0357	13	0.000981	0.000981	0.00000522	0.00405	0.000854	0.0218	0.011	0.00000514	11.3	0.0000109	0.000123
2076 Jan	81.1	0.106	0.209	0.00541	34.1	0.0357	13	0.000981	0.000981	0.00000522	0.00405	0.000854	0.0218	0.011	0.00000514	11.3	0.0000109	0.000123
2076 Feb	81.1	0.106	0.209	0.00541	34.1	0.0357	13	0.000982	0.000982	0.00000522	0.00405	0.000854	0.0218	0.011	0.00000514	11.3	0.0000109	0.000123
2076 Mar	81.1	0.106	0.209	0.00542	34.1	0.0357	13	0.000982	0.000982	0.00000522	0.00405	0.000854	0.0218	0.011	0.00000514	11.3	0.0000109	0.000123
2076 Apr	81.1	0.106	0.209	0.00542	34.1	0.0357	13	0.000982	0.000982	0.00000522	0.00405	0.000854	0.0218	0.011	0.00000514	11.3	0.0000109	0.000123
2076 May	81.2	0.106	0.209	0.00542	34.1	0.0357	13	0.000982	0.000982	0.00000523	0.00405	0.000855	0.0218	0.011	0.00000514	11.3	0.0000109	0.000123
2076 Jun	80.9	0.105	0.208	0.00538	34	0.0356	12.9	0.00098	0.00098	0.00000521	0.00405	0.000856	0.0217	0.0111	0.00000513	11.3	0.0000109	0.000124
2076 Jul	81	0.105	0.208	0.00539	34	0.0356	12.9	0.000981	0.000981	0.00000522	0.00406	0.000857	0.0217	0.0111	0.00000514	11.4	0.0000109	0.000124
2076 Aug	81.1	0.106	0.209	0.0054	34.1	0.0357	13	0.000983	0.000983	0.00000523	0.00407	0.000858	0.0218	0.0111	0.00000515	11.4	0.0000109	0.000124
2076 Sep	81.2	0.106	0.209	0.0054	34.1	0.0357	13	0.000983	0.000983	0.00000523	0.00407	0.000859	0.0218	0.0111	0.00000515	11.4	0.0000109	0.000125
2076 Oct	81.1	0.106	0.208	0.00539	34	0.0357	12.9	0.000982	0.000982	0.00000522	0.00407	0.000858	0.0218	0.0111	0.00000514	11.4	0.0000109	0.000124
2076 Nov	81.1	0.106	0.208	0.00539	34	0.0357	12.9	0.000982	0.000982	0.00000522	0.00407	0.000858	0.0218	0.0111	0.00000514	11.4	0.0000109	0.000124
2076 Dec	81.1	0.106	0.208	0.00539	34	0.0357	12.9	0.000982	0.000982	0.00000522	0.00407	0.000858	0.0218	0.0111	0.00000514	11.4	0.0000109	0.000124
2077 Jan	81.1	0.106	0.208	0.00539	34	0.0357	12.9	0.000982	0.000982	0.00000522	0.00407	0.000858	0.0218	0.0111	0.00000514	11.4	0.0000109	0.000124
2077 Feb	81.1	0.106	0.208	0.00539	34	0.0357	12.9	0.000982	0.000982	0.00000522	0.00407	0.000858	0.0218	0.0111	0.00000514	11.4	0.0000109	0.000124
2077 Mar	81.1	0.106	0.208	0.00539	34	0.0357	12.9	0.000982	0.000982	0.00000522	0.00407	0.000858	0.0218	0.0111	0.00000514	11.4	0.0000109	0.000124
2077 Apr	81.1	0.106	0.208	0.00539	34	0.0357	12.9	0.000982	0.000982	0.00000523	0.00407	0.000858	0.0218	0.0111	0.00000514	11.4	0.0000109	0.000125
2077 May	81.1	0.106	0.208	0.00539	34	0.0357	12.9	0.000983	0.000983	0.00000523	0.00407	0.000859	0.0218	0.0111	0.00000515	11.4	0.0000109	0.000125
2077 Jun	80.9	0.105	0.207	0.00536	33.9	0.0355	12.9	0.00098	0.00098	0.00000521	0.00407	0.000859	0.0217	0.0112	0.00000513	11.4	0.0000109	0.000125
2077 Jul	81	0.105	0.207	0.00537	33.9	0.0356	12.9	0.000982	0.000982	0.00000522	0.00408	0.000861	0.0217	0.0112	0.00000514	11.5	0.000011	0.000126
2077 Aug	81.2	0.105	0.208	0.00538	34	0.0357	12.9	0.000984	0.000984	0.00000523	0.00409	0.000863	0.0217	0.0112	0.00000515	11.5	0.000011	0.000126
2077 Sep	81	0.105	0.207	0.00536	33.9	0.0356	12.9	0.000983	0.000983	0.00000523	0.00409	0.000862	0.0217	0.0112	0.00000515	11.5	0.000011	0.000126
2077 Oct	81	0.105	0.207	0.00536	33.9	0.0356	12.9	0.000983	0.000983	0.00000523	0.00409	0.000862	0.0217	0.0112	0.00000514	11.5	0.000011	0.000126
2077 Nov	81	0.105	0.207	0.00536	33.9	0.0356	12.9	0.000983	0.000983	0.00000523	0.00409	0.000862	0.0217	0.0112	0.00000514	11.5	0.000011	0.000126
2077 Dec	81	0.105	0.207	0.00536	33.9	0.0356	12.9	0.000983	0.000983	0.00000523	0.00409	0.000862	0.0217	0.0112	0.00000514	11.5	0.000011	0.000126
2078 Jan	81	0.105	0.207	0.00536	33.9	0.0356	12.9	0.000983	0.000983	0.00000523	0.00409	0.000862	0.0217	0.0112	0.00000514	11.5	0.000011	0.000126
2078 Feb	81	0.105	0.207	0.00536	33.9	0.0356	12.9	0.000983	0.000983	0.00000523	0.00409	0.000862	0.0217	0.0112	0.00000514	11.5	0.000011	0.000126
2078 Mar	81	0.105	0.207	0.00536	33.9	0.0356	12.9	0.000983	0.000983	0.00000523	0.00409	0.000862	0.0217	0.0112	0.00000514	11.5	0.000011	0.000126
2078 Apr	81	0.105	0.207	0.00536	33.9	0.0357	12.9	0.000983	0.000983	0.00000523	0.00409	0.000863	0.0217	0.0112	0.00000515	11.5	0.000011	0.000126
2078 May	81	0.105	0.207	0.00535	33.9	0.0356	12.9	0.000983	0.000983	0.00000523	0.0041	0.000864	0.0217	0.0113	0.00000514	11.5	0.000011	0.000127
2078 Jun	80.8	0.105	0.206	0.00533	33.8	0.0355	12.8	0.000981	0.000981	0.00000521	0.0041	0.000865	0.0216	0.0113	0.00000513	11.5	0.000011	0.000127
2078 Jul	81	0.105	0.206	0.00534	33.8	0.0356	12.9	0.000983	0.000983	0.00000522	0.00411	0.000867	0.0216	0.0114	0.00000514	11.6	0.000011	0.000127
2078 Aug	81.1	0.105	0.206	0.00534	33.9	0.0356	12.9	0.000984	0.000984	0.00000523	0.00411	0.000868	0.0216	0.0114	0.00000515	11.6	0.000011	0.000128
2078 Sep	81.1	0.105	0.206	0.00534	33.9	0.0356	12.9	0.000985	0.000985	0.00000523	0.00412	0.000869	0.0217	0.0114	0.00000515	11.6	0.0000111	0.000128
2078 Oct	81.1	0.105	0.206	0.00534	33.9	0.0356	12.9	0.000985	0.000985	0.00000523	0.00412	0.000868	0.0216	0.0114	0.00000515	11.6	0.0000111	0.000128
2078 Nov	81.1	0.105	0.206	0.00534	33.9	0.0356	12.9	0.000985	0.000985	0.00000523	0.00412	0.000869	0.0216	0.0114	0.00000515	11.6	0.0000111	0.000128
2078 Dec	81.1	0.105	0.206	0.00534	33.9	0.0356	12.9	0.000985	0.000985	0.00000523	0.00412	0.000869	0.0216	0.0114	0.00000515	11.6	0.0000111	0.000128
2079 Jan	81.1	0.105	0.206	0.00534	33.9	0.0356	12.9	0.000985	0.000985	0.00000523	0.00412	0.000869	0.0216	0.0114	0.00000515	11.6	0.0000111	0.000128
2079 Feb	81.1	0.105	0.206	0.00534	33.9	0.0356	12.9	0.000985	0.000985	0.00000523	0.00412	0.000869	0.0216	0.0114	0.00000515	11.6	0.0000111	0.000128
2079 Mar	81.1	0.105	0.206	0.00534	33.9	0.0356	12.9	0.000985	0.000985	0.00000523	0.00412	0.000869	0.0216	0.0114	0.00000515	11.6	0.0000111	0.000128
2079 Apr	81.1	0.105	0.206	0.00534	33.9	0.0356	12.9	0.000985	0.000985	0.00000523	0.00412	0.000869	0.0216	0.0114	0.00000515	11.6	0.0000111	0.000128
2079 May	81.2	0.105	0.206	0.00534	33.9	0.0357	12.9	0.000985	0.000985	0.00000524	0.00412	0.000869	0.0217	0.0114	0.00000516	11.6	0.0000111	0.000128
2079 Jun	80.8	0.105	0.205	0.00531	33.7	0.0355	12.8	0.000983	0.000983	0.00000522	0.00412	0.000868	0.0215	0.0114	0.00000514	11.6	0.0000111	0.000128
2079 Jul	80.8	0.105	0.205	0.00531	33.7	0.0355	12.8	0.000983	0.000983	0.00000522	0.00413	0.000869	0.0215	0.0114	0.00000514	11.6	0.0000111	0.000128
2079 Aug	81	0.105	0.205	0.00532	33.7	0.0356	12.8	0.000985	0.000985	0.00000523	0.00414	0.00087	0.0216	0.0114	0.00000515	11.6	0.0000111	0.000128
2079 Sep	80.9	0.105	0.205	0.00531	33.7	0.0355	12.8	0.000985	0.000985	0.00000523	0.00414	0.00087	0.0216	0.0114	0.00000515	11.6	0.0000111	0.000128
2079 Oct	80.8	0.105	0.205	0.00531	33.7	0.0355	12.8	0.000984	0.000984	0.00000523	0.00414	0.00087	0.0215	0.0114	0.00000515	11.6	0.0000111	0.000128
2079 Nov	80.8	0.105	0.204	0.0053	33.7	0.0355	12.8	0.000984	0.000984	0.00000523	0.00414	0.00087	0.0215	0.0114	0.00000515	11.6	0.0000111	0.000128
2079 Dec	80.8	0.105	0.204	0.0053	33.6	0.0355	12.8	0.000984	0.000984	0.00000523	0.00414	0.00087	0.0215	0.0114	0.00000515	11.6	0.0000111	0.000128

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2080 Jan	80.8	0.105	0.204	0.0053	33.6	0.0355	12.8	0.000984	0.000984	0.00000523	0.00414	0.00087	0.0215	0.0114	0.00000515	11.6	0.0000111	0.000128
2080 Feb	80.8	0.105	0.204	0.0053	33.6	0.0355	12.8	0.000984	0.000984	0.00000523	0.00414	0.00087	0.0215	0.0114	0.00000515	11.6	0.0000111	0.000128
2080 Mar	80.8	0.105	0.204	0.0053	33.6	0.0355	12.8	0.000984	0.000984	0.00000523	0.00414	0.00087	0.0215	0.0114	0.00000515	11.6	0.0000111	0.000128
2080 Apr	80.8	0.105	0.204	0.0053	33.6	0.0355	12.8	0.000984	0.000984	0.00000523	0.00414	0.00087	0.0215	0.0114	0.00000515	11.6	0.0000111	0.000128
2080 May	80.9	0.105	0.205	0.00531	33.7	0.0356	12.8	0.000985	0.000985	0.00000523	0.00414	0.000871	0.0215	0.0115	0.00000515	11.6	0.0000111	0.000129
2080 Jun	80.7	0.104	0.204	0.00529	33.6	0.0355	12.8	0.000984	0.000984	0.00000522	0.00415	0.00087	0.0215	0.0114	0.00000515	11.6	0.0000111	0.000129
2080 Jul	80.6	0.104	0.204	0.00528	33.5	0.0355	12.7	0.000984	0.000984	0.00000523	0.00415	0.00087	0.0215	0.0114	0.00000515	11.6	0.0000111	0.000129
2080 Aug	80.7	0.104	0.204	0.00529	33.6	0.0355	12.8	0.000985	0.000985	0.00000523	0.00416	0.000871	0.0215	0.0115	0.00000515	11.6	0.0000112	0.000129
2080 Sep	80.7	0.104	0.204	0.00528	33.5	0.0355	12.7	0.000985	0.000985	0.00000523	0.00416	0.000871	0.0215	0.0115	0.00000515	11.6	0.0000112	0.000129
2080 Oct	80.6	0.104	0.203	0.00528	33.5	0.0355	12.7	0.000985	0.000985	0.00000523	0.00416	0.000871	0.0215	0.0115	0.00000515	11.6	0.0000112	0.000129
2080 Nov	80.6	0.104	0.203	0.00528	33.5	0.0355	12.7	0.000984	0.000984	0.00000523	0.00416	0.000871	0.0215	0.0115	0.00000515	11.6	0.0000112	0.000129
2080 Dec	80.6	0.104	0.203	0.00528	33.5	0.0355	12.7	0.000984	0.000984	0.00000523	0.00416	0.000871	0.0215	0.0115	0.00000515	11.6	0.0000112	0.000129
2081 Jan	80.6	0.104	0.203	0.00528	33.5	0.0355	12.7	0.000984	0.000984	0.00000523	0.00416	0.000871	0.0215	0.0115	0.00000515	11.6	0.0000112	0.000129
2081 Feb	80.6	0.104	0.203	0.00528	33.5	0.0355	12.7	0.000984	0.000984	0.00000523	0.00416	0.000871	0.0215	0.0115	0.00000515	11.6	0.0000112	0.000129
2081 Mar	80.6	0.104	0.203	0.00528	33.5	0.0355	12.7	0.000984	0.000984	0.00000523	0.00416	0.000871	0.0215	0.0115	0.00000515	11.6	0.0000112	0.000129
2081 Apr	80.6	0.104	0.203	0.00528	33.5	0.0355	12.7	0.000985	0.000985	0.00000523	0.00416	0.000871	0.0215	0.0115	0.00000515	11.6	0.0000112	0.000129
2081 May	80.6	0.104	0.203	0.00527	33.5	0.0355	12.7	0.000985	0.000985	0.00000523	0.00417	0.000873	0.0215	0.0115	0.00000515	11.7	0.0000112	0.00013
2081 Jun	80.5	0.104	0.202	0.00525	33.4	0.0354	12.7	0.000983	0.000983	0.00000522	0.00417	0.000873	0.0214	0.0116	0.00000514	11.7	0.0000112	0.00013
2081 Jul	80.7	0.104	0.203	0.00527	33.5	0.0355	12.7	0.000986	0.000986	0.00000523	0.00418	0.000876	0.0215	0.0116	0.00000516	11.7	0.0000112	0.00013
2081 Aug	80.9	0.104	0.203	0.00528	33.6	0.0356	12.8	0.000988	0.000988	0.00000525	0.00419	0.000878	0.0215	0.0116	0.00000517	11.7	0.0000112	0.000131
2081 Sep	80.9	0.104	0.203	0.00528	33.6	0.0356	12.8	0.000989	0.000989	0.00000525	0.00419	0.000878	0.0215	0.0116	0.00000517	11.8	0.0000112	0.000131
2081 Oct	80.9	0.104	0.203	0.00528	33.6	0.0356	12.8	0.000989	0.000989	0.00000525	0.00419	0.000878	0.0215	0.0116	0.00000517	11.8	0.0000112	0.000131
2081 Nov	80.9	0.104	0.203	0.00528	33.5	0.0356	12.7	0.000988	0.000988	0.00000525	0.00419	0.000878	0.0215	0.0116	0.00000517	11.7	0.0000112	0.000131
2081 Dec	80.9	0.104	0.203	0.00528	33.5	0.0356	12.7	0.000988	0.000988	0.00000525	0.00419	0.000878	0.0215	0.0116	0.00000517	11.8	0.0000112	0.000131
2082 Jan	80.9	0.104	0.203	0.00528	33.5	0.0356	12.7	0.000988	0.000988	0.00000525	0.00419	0.000878	0.0215	0.0116	0.00000517	11.8	0.0000112	0.000131
2082 Feb	80.9	0.104	0.203	0.00528	33.5	0.0356	12.7	0.000988	0.000988	0.00000525	0.00419	0.000878	0.0215	0.0116	0.00000517	11.8	0.0000112	0.000131
2082 Mar	80.9	0.104	0.203	0.00528	33.5	0.0356	12.7	0.000988	0.000988	0.00000525	0.00419	0.000878	0.0215	0.0116	0.00000517	11.8	0.0000112	0.000131
2082 Apr	80.9	0.104	0.203	0.00528	33.6	0.0356	12.7	0.000989	0.000989	0.00000525	0.00419	0.000878	0.0215	0.0116	0.00000517	11.8	0.0000112	0.000131
2082 May	80.9	0.105	0.203	0.00528	33.6	0.0356	12.8	0.000989	0.000989	0.00000525	0.0042	0.000879	0.0215	0.0116	0.00000517	11.8	0.0000112	0.000131
2082 Jun	80.6	0.104	0.202	0.00525	33.4	0.0355	12.7	0.000987	0.000987	0.00000524	0.0042	0.000877	0.0214	0.0116	0.00000516	11.7	0.0000113	0.000131
2082 Jul	80.4	0.104	0.201	0.00524	33.3	0.0354	12.7	0.000987	0.000987	0.00000524	0.0042	0.000876	0.0214	0.0116	0.00000516	11.7	0.0000113	0.000131
2082 Aug	80.6	0.104	0.202	0.00525	33.4	0.0355	12.7	0.000988	0.000988	0.00000524	0.00421	0.000878	0.0214	0.0116	0.00000517	11.7	0.0000113	0.000131
2082 Sep	80.6	0.104	0.202	0.00525	33.4	0.0355	12.7	0.000989	0.000989	0.00000525	0.00421	0.000879	0.0214	0.0116	0.00000517	11.7	0.0000113	0.000131
2082 Oct	80.4	0.104	0.201	0.00524	33.3	0.0355	12.7	0.000987	0.000987	0.00000524	0.00421	0.000877	0.0214	0.0116	0.00000516	11.7	0.0000113	0.000131
2082 Nov	80.4	0.104	0.201	0.00524	33.3	0.0355	12.7	0.000987	0.000987	0.00000524	0.00421	0.000877	0.0214	0.0116	0.00000516	11.7	0.0000113	0.000131
2082 Dec	80.4	0.104	0.201	0.00524	33.3	0.0355	12.7	0.000987	0.000987	0.00000524	0.00421	0.000877	0.0214	0.0116	0.00000516	11.7	0.0000113	0.000131
2083 Jan	80.4	0.104	0.201	0.00524	33.3	0.0355	12.7	0.000987	0.000987	0.00000524	0.00421	0.000877	0.0214	0.0116	0.00000516	11.7	0.0000113	0.000131
2083 Feb	80.5	0.104	0.201	0.00524	33.3	0.0355	12.7	0.000987	0.000987	0.00000524	0.00421	0.000877	0.0214	0.0116	0.00000516	11.7	0.0000113	0.000131
2083 Mar	80.5	0.104	0.201	0.00524	33.3	0.0355	12.7	0.000987	0.000987	0.00000524	0.00421	0.000878	0.0214	0.0116	0.00000516	11.7	0.0000113	0.000131
2083 Apr	80.5	0.104	0.201	0.00524	33.3	0.0355	12.7	0.000988	0.000988	0.00000524	0.00421	0.000878	0.0214	0.0116	0.00000516	11.7	0.0000113	0.000131
2083 May	80.5	0.104	0.201	0.00524	33.3	0.0355	12.7	0.000988	0.000988	0.00000524	0.00422	0.000879	0.0214	0.0117	0.00000516	11.8	0.0000113	0.000132
2083 Jun	80.3	0.103	0.2	0.0052	33.2	0.0353	12.6	0.000985	0.000985	0.00000523	0.00422	0.00088	0.0213	0.0117	0.00000515	11.8	0.0000113	0.000132
2083 Jul	80.4	0.103	0.2	0.00521	33.2	0.0354	12.6	0.000987	0.000987	0.00000523	0.00422	0.000881	0.0213	0.0117	0.00000516	11.8	0.0000113	0.000132
2083 Aug	80.4	0.103	0.2	0.00521	33.2	0.0354	12.6	0.000988	0.000988	0.00000524	0.00423	0.000882	0.0213	0.0117	0.00000516	11.8	0.0000113	0.000133
2083 Sep	80.4	0.103	0.2	0.00521	33.2	0.0354	12.6	0.000987	0.000987	0.00000524	0.00423	0.000882	0.0213	0.0117	0.00000516	11.8	0.0000113	0.000133
2083 Oct	80.2	0.103	0.199	0.00519	33.1	0.0354	12.6	0.000986	0.000986	0.00000523	0.00423	0.000881	0.0213	0.0117	0.00000515	11.8	0.0000113	0.000132
2083 Nov	80.2	0.103	0.199	0.00519	33.1	0.0354	12.6	0.000986	0.000986	0.00000523	0.00423	0.000881	0.0212	0.0117	0.00000515	11.8	0.0000113	0.000132
2083 Dec	80.2	0.103	0.199	0.00519	33.1	0.0354	12.6	0.000986	0.000986	0.00000523	0.00423	0.000881	0.0212	0.0117	0.00000515	11.8	0.0000113	0.000132
2084 Jan	80.2	0.103	0.199	0.00519	33.1	0.0354	12.6	0.000986	0.000986	0.00000523	0.00423	0.000881	0.0212	0.0117	0.00000515	11.8	0.0000113	0.000132
2084 Feb	80.2	0.103	0.199	0.00519	33.1	0.0354	12.6	0.000986	0.000986	0.00000523	0.00423	0.000881	0.0212	0.0117	0.00000515	11.8	0.0000113	0.000132
2084 Mar	80.2	0.103	0.199	0.00519	33.1	0.0354	12.6	0.000986	0.000986	0.00000523	0.00423	0.000881	0.0212	0.0117	0.00000515	11.8	0.0000113	0.000132
2084 Apr	80.2	0.103	0.199	0.00519	33.1	0.0354	12.6	0.000986	0.000986	0.00000523	0.00423	0.000881	0.0213	0.0117	0.00000515	11.8	0.0000113	0.000132
2084 May	80.3	0.103	0.199	0.00519	33.1	0.0354	12.6	0.000987	0.000987	0.00000523	0.00424	0.000883	0.0212	0.0118	0.00000515	11.9	0.0000114	0.000133
2084 Jun	80	0.103	0.198	0.00516	33	0.0352	12.5	0.000984	0.000984	0.00000522	0.00423	0.000883	0.0211	0.0118	0.00000514	11.9	0.0000114	0.000134
2084 Jul	80.1	0.103	0.198	0.00517	33	0.0353	12.5	0.000986	0.000986	0.00000522	0.00424	0.000884	0.0212	0.0119	0.00000515	11.9	0.0000114	0.000134
2084 Aug	80.3	0.103	0.199	0.00517	33	0.0353	12.5	0.000987	0.000987	0.00000523	0.00425	0.000886	0.0212	0.0119	0.00000516	11.9	0.0000114	0.000134
2084 Sep	80.2	0.103	0.198	0.00517	33	0.0353	12.5	0.000987	0.000987	0.00000523	0.00425	0.000886	0.0212	0.0119	0.00000515	11.9	0.0000114	0.000134
2084 Oct	80.1	0.103	0.198	0.00516	33	0.0353	12.5	0.000986	0.000986	0.00000523	0.00425	0.000885	0.0212	0.0119	0.00000515	11.9	0.0000114	0.000134
2084 Nov	80.1	0.103	0.198	0.00516	33	0.0353	12.5	0.000986	0.000986	0.00000523	0.00425	0.000885	0.0212	0.0119	0.00000515	11.9	0.0000114	0.000134
2084 Dec	80.1	0.103	0.198	0.00516	33	0.0353	12.5	0.000986	0.000986	0.00000523	0.00425	0.000885	0.0212	0.0119	0.00000515	11.9	0.0000114	0.000134
2085 Jan	80.1	0.103	0.198	0.00516	33	0.0353	12.5	0.000986	0.000986	0.00000523	0.00425	0.000885	0.0212	0.0119	0.00000515	11.9	0.0000114	0.000134
2085 Feb	80.1	0.103	0.198	0.00516	33	0.0353	12.5	0.000986	0.000986	0.00000523	0.00425	0.000885	0.0212	0.0119	0.00000515	11.9	0.0000114	0.000134
2085 Mar	80.1	0.103	0.198	0.00516	33	0.0353	12.5	0.000986	0.000986	0.00000523	0.00425	0.000885	0.0212	0.0119	0.00000515	11.9	0.0000114	0.000134
2085 Apr	80.1	0.103	0.198	0.00516	33	0.0353	12.5	0.000986	0.000986	0.00000523	0.00425	0.000885	0.0212	0.0119	0.00000515	11.9	0.0000114	0.000134
2085 May	80.2	0.103	0.198	0.00516	33	0.0353	12.5	0.000986	0.000986	0.00000523	0.00425	0.000887	0.0212	0.0119	0.00000515	11.9	0.0000114	0.000134
2085 Jun	80.1	0.103	0.197	0.00515	32.9	0.0353	12.5	0.000986	0.000986	0.00000523	0.00426	0.000888	0.0211	0.012	0.00000515	12	0.0000114	0.000135
2085 Jul	80.3	0.103	0.198	0.00516	33	0.0353	12.5	0.000988	0.000988	0.00000524	0.00427	0.00089	0.0212	0.012	0.00000516	12	0.0000114	0.000135
2085 Aug	80.3	0.103	0.198	0.00516	33	0.0353	12.5	0.000988	0.000988	0.00000524	0.00427	0.00089	0.0212	0.012	0.00000516	12	0.0000114	0.000135
2085 Sep	80.2	0.103	0.197	0.00515	32.9	0.0353	12.5	0.000987	0.000987	0.00000523	0.00427	0.00089	0.0211	0.012	0.00000516	12	0.0000114	0.000135
2085 Oct	80.1	0.103	0.197	0.00514	32.9	0.0353	12.5	0.000987	0.000987	0.00000523	0.00427	0.000889	0.0211	0.012	0.00000515	12	0.0000114	0.000135
2085 Nov	80.1	0.103	0.197	0.00514	32.9	0.0353	12.5	0.000986	0.000986	0.00000523	0.00427	0.000889	0.0211	0.012	0.00000515	12	0.0000114	0.000135
2085 Dec	80.1	0.103	0.197	0.00514	32.9	0.0353	12.5	0.000986	0.000986	0.00000523	0.00427	0.000889	0.0211	0.012	0.00000515	12	0.0000114	0.000135

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2086 Jan	80.1	0.103	0.197	0.00514	32.9	0.0353	12.5	0.000986	0.000986	0.00000523	0.00427	0.000889	0.0211	0.012	0.00000515	12	0.0000114	0.000135
2086 Feb	80.1	0.103	0.197	0.00514	32.9	0.0353	12.5	0.000986	0.000986	0.00000523	0.00427	0.000889	0.0211	0.012	0.00000515	12	0.0000114	0.000135
2086 Mar	80.1	0.103	0.197	0.00514	32.9	0.0353	12.5	0.000986	0.000986	0.00000523	0.00427	0.000889	0.0211	0.012	0.00000515	12	0.0000114	0.000135
2086 Apr	80.1	0.103	0.197	0.00514	32.9	0.0353	12.5	0.000987	0.000987	0.00000523	0.00427	0.000889	0.0211	0.012	0.00000515	12	0.0000114	0.000135
2086 May	80.1	0.103	0.197	0.00514	32.9	0.0353	12.5	0.000987	0.000987	0.00000523	0.00427	0.00089	0.0211	0.012	0.00000515	12	0.0000114	0.000135
2086 Jun	79.9	0.102	0.196	0.00511	32.8	0.0352	12.4	0.000985	0.000985	0.00000522	0.00427	0.00089	0.021	0.012	0.00000514	12	0.0000114	0.000136
2086 Jul	80	0.102	0.196	0.00511	32.8	0.0352	12.4	0.000986	0.000986	0.00000523	0.00428	0.000892	0.021	0.0121	0.00000515	12	0.0000115	0.000136
2086 Aug	80.1	0.103	0.196	0.00512	32.8	0.0353	12.5	0.000988	0.000988	0.00000523	0.00429	0.000893	0.0211	0.0121	0.00000516	12.1	0.0000115	0.000136
2086 Sep	80	0.102	0.196	0.00511	32.8	0.0353	12.4	0.000987	0.000987	0.00000523	0.00429	0.000893	0.021	0.0121	0.00000515	12.1	0.0000115	0.000136
2086 Oct	80	0.102	0.196	0.00511	32.8	0.0353	12.4	0.000987	0.000987	0.00000523	0.00429	0.000893	0.021	0.0121	0.00000515	12.1	0.0000115	0.000136
2086 Nov	80	0.102	0.196	0.00511	32.8	0.0353	12.4	0.000987	0.000987	0.00000523	0.00429	0.000893	0.021	0.0121	0.00000515	12.1	0.0000115	0.000136
2086 Dec	80	0.102	0.196	0.00511	32.8	0.0353	12.4	0.000987	0.000987	0.00000523	0.00429	0.000893	0.021	0.0121	0.00000515	12.1	0.0000115	0.000136
2087 Jan	80	0.102	0.196	0.00511	32.8	0.0353	12.4	0.000987	0.000987	0.00000523	0.00429	0.000893	0.021	0.0121	0.00000515	12.1	0.0000115	0.000136
2087 Feb	80	0.102	0.196	0.00511	32.8	0.0353	12.4	0.000987	0.000987	0.00000523	0.00429	0.000893	0.021	0.0121	0.00000515	12.1	0.0000115	0.000136
2087 Mar	80	0.102	0.196	0.00511	32.8	0.0353	12.4	0.000987	0.000987	0.00000523	0.00429	0.000893	0.021	0.0121	0.00000515	12.1	0.0000115	0.000136
2087 Apr	80	0.102	0.196	0.00511	32.8	0.0353	12.4	0.000987	0.000987	0.00000523	0.00429	0.000893	0.021	0.0121	0.00000515	12.1	0.0000115	0.000136
2087 May	80	0.102	0.196	0.00511	32.8	0.0353	12.4	0.000988	0.000988	0.00000523	0.00429	0.000894	0.021	0.0121	0.00000515	12.1	0.0000115	0.000137
2087 Jun	79.9	0.102	0.195	0.00509	32.7	0.0352	12.4	0.000986	0.000986	0.00000522	0.00429	0.000895	0.021	0.0122	0.00000515	12.1	0.0000115	0.000137
2087 Jul	80	0.102	0.195	0.0051	32.7	0.0352	12.4	0.000988	0.000988	0.00000523	0.0043	0.000896	0.021	0.0122	0.00000516	12.1	0.0000115	0.000137
2087 Aug	80.2	0.103	0.195	0.00511	32.8	0.0353	12.4	0.00099	0.00099	0.00000524	0.00431	0.000898	0.021	0.0122	0.00000517	12.1	0.0000115	0.000138
2087 Sep	80.2	0.103	0.196	0.00511	32.8	0.0353	12.4	0.000991	0.000991	0.00000525	0.00431	0.000899	0.021	0.0122	0.00000517	12.2	0.0000115	0.000138
2087 Oct	80.2	0.103	0.195	0.00511	32.8	0.0353	12.4	0.00099	0.00099	0.00000524	0.00431	0.000899	0.021	0.0122	0.00000517	12.2	0.0000115	0.000138
2087 Nov	80.2	0.103	0.195	0.0051	32.8	0.0353	12.4	0.00099	0.00099	0.00000524	0.00431	0.000898	0.021	0.0122	0.00000517	12.2	0.0000115	0.000138
2087 Dec	80.2	0.103	0.195	0.0051	32.8	0.0353	12.4	0.00099	0.00099	0.00000524	0.00431	0.000898	0.021	0.0122	0.00000517	12.2	0.0000115	0.000138
2088 Jan	80.2	0.103	0.195	0.0051	32.8	0.0353	12.4	0.00099	0.00099	0.00000524	0.00431	0.000898	0.021	0.0122	0.00000517	12.2	0.0000115	0.000138
2088 Feb	80.2	0.103	0.195	0.0051	32.8	0.0353	12.4	0.00099	0.00099	0.00000524	0.00431	0.000899	0.021	0.0122	0.00000517	12.2	0.0000115	0.000138
2088 Mar	80.2	0.103	0.195	0.00511	32.8	0.0353	12.4	0.00099	0.00099	0.00000524	0.00432	0.000899	0.021	0.0122	0.00000517	12.2	0.0000115	0.000138
2088 Apr	80.2	0.103	0.196	0.00511	32.8	0.0353	12.4	0.000991	0.000991	0.00000525	0.00432	0.000899	0.021	0.0122	0.00000517	12.2	0.0000115	0.000138
2088 May	80.3	0.103	0.196	0.00511	32.8	0.0354	12.5	0.000992	0.000992	0.00000525	0.00432	0.0009	0.0211	0.0122	0.00000517	12.2	0.0000116	0.000138
2088 Jun	80.1	0.102	0.195	0.0051	32.7	0.0353	12.4	0.000991	0.000991	0.00000525	0.00433	0.000899	0.021	0.0122	0.00000517	12.2	0.0000116	0.000138
2088 Jul	80.2	0.102	0.195	0.0051	32.8	0.0353	12.4	0.000993	0.000993	0.00000526	0.00434	0.000901	0.021	0.0122	0.00000518	12.2	0.0000116	0.000138
2088 Aug	80.4	0.103	0.196	0.00512	32.9	0.0354	12.5	0.000995	0.000995	0.00000527	0.00435	0.000904	0.0211	0.0123	0.00000519	12.2	0.0000116	0.000139
2088 Sep	80.5	0.103	0.196	0.00512	32.9	0.0355	12.5	0.000996	0.000996	0.00000527	0.00435	0.000904	0.0211	0.0123	0.0000052	12.2	0.0000116	0.000139
2088 Oct	80.4	0.103	0.195	0.00511	32.8	0.0354	12.5	0.000995	0.000995	0.00000527	0.00435	0.000903	0.0211	0.0123	0.00000519	12.2	0.0000116	0.000139
2088 Nov	80.3	0.103	0.195	0.00511	32.8	0.0354	12.4	0.000995	0.000995	0.00000527	0.00435	0.000903	0.0211	0.0123	0.00000519	12.2	0.0000116	0.000139
2088 Dec	80.3	0.103	0.195	0.00511	32.8	0.0354	12.4	0.000995	0.000995	0.00000527	0.00435	0.000903	0.0211	0.0123	0.00000519	12.2	0.0000116	0.000139
2089 Jan	80.3	0.103	0.195	0.00511	32.8	0.0354	12.4	0.000995	0.000995	0.00000527	0.00435	0.000903	0.0211	0.0123	0.00000519	12.2	0.0000116	0.000139
2089 Feb	80.3	0.103	0.195	0.00511	32.8	0.0354	12.4	0.000995	0.000995	0.00000527	0.00435	0.000903	0.0211	0.0123	0.00000519	12.2	0.0000116	0.000139
2089 Mar	80.3	0.103	0.195	0.00511	32.8	0.0354	12.5	0.000995	0.000995	0.00000527	0.00435	0.000903	0.0211	0.0123	0.00000519	12.2	0.0000116	0.000139
2089 Apr	80.4	0.103	0.195	0.00511	32.8	0.0354	12.5	0.000995	0.000995	0.00000527	0.00435	0.000904	0.0211	0.0123	0.00000519	12.2	0.0000116	0.000139
2089 May	80.4	0.103	0.195	0.00511	32.8	0.0354	12.5	0.000995	0.000995	0.00000527	0.00436	0.000905	0.0211	0.0123	0.00000519	12.2	0.0000117	0.000139
2089 Jun	80.4	0.103	0.195	0.00509	32.8	0.0354	12.4	0.000995	0.000995	0.00000527	0.00436	0.000906	0.021	0.0124	0.00000519	12.3	0.0000117	0.00014
2089 Jul	80.5	0.103	0.195	0.0051	32.8	0.0354	12.4	0.000997	0.000997	0.00000528	0.00437	0.000908	0.0211	0.0124	0.0000052	12.3	0.0000117	0.00014
2089 Aug	80.6	0.103	0.195	0.00511	32.9	0.0355	12.5	0.000998	0.000998	0.00000528	0.00438	0.00091	0.0211	0.0124	0.00000521	12.3	0.0000117	0.00014
2089 Sep	80.6	0.103	0.195	0.00511	32.9	0.0355	12.5	0.000999	0.000999	0.00000529	0.00438	0.00091	0.0211	0.0124	0.00000521	12.3	0.0000117	0.00014
2089 Oct	80.5	0.103	0.195	0.00509	32.8	0.0355	12.4	0.000997	0.000997	0.00000528	0.00438	0.000909	0.0211	0.0124	0.0000052	12.3	0.0000117	0.00014
2089 Nov	80.5	0.103	0.195	0.00509	32.8	0.0355	12.4	0.000997	0.000997	0.00000528	0.00438	0.000909	0.0211	0.0124	0.0000052	12.3	0.0000117	0.00014
2089 Dec	80.5	0.103	0.195	0.00509	32.8	0.0355	12.4	0.000997	0.000997	0.00000528	0.00438	0.000909	0.0211	0.0124	0.0000052	12.3	0.0000117	0.00014
2090 Jan	80.5	0.103	0.195	0.00509	32.8	0.0355	12.4	0.000997	0.000997	0.00000528	0.00438	0.000909	0.0211	0.0124	0.0000052	12.3	0.0000117	0.00014
2090 Feb	80.5	0.103	0.195	0.00509	32.8	0.0355	12.4	0.000997	0.000997	0.00000528	0.00438	0.000909	0.0211	0.0124	0.0000052	12.3	0.0000117	0.00014
2090 Mar	80.5	0.103	0.195	0.00509	32.8	0.0355	12.4	0.000997	0.000997	0.00000528	0.00438	0.000909	0.0211	0.0124	0.0000052	12.3	0.0000117	0.00014
2090 Apr	80.5	0.103	0.195	0.00509	32.8	0.0355	12.4	0.000997	0.000997	0.00000528	0.00438	0.000909	0.0211	0.0124	0.0000052	12.3	0.0000117	0.00014
2090 May	80.5	0.103	0.195	0.0051	32.8	0.0355	12.4	0.000998	0.000998	0.00000528	0.00438	0.00091	0.0211	0.0124	0.00000521	12.3	0.0000117	0.00014
2090 Jun	80.3	0.102	0.194	0.00507	32.7	0.0354	12.4	0.000996	0.000996	0.00000527	0.00438	0.00091	0.021	0.0125	0.00000519	12.4	0.0000117	0.000141
2090 Jul	80.4	0.102	0.194	0.00507	32.7	0.0354	12.4	0.000997	0.000997	0.00000528	0.00439	0.000911	0.021	0.0125	0.0000052	12.4	0.0000117	0.000141
2090 Aug	80.3	0.102	0.194	0.00507	32.7	0.0354	12.4	0.000997	0.000997	0.00000527	0.00439	0.000911	0.021	0.0125	0.0000052	12.4	0.0000117	0.000141
2090 Sep	80.2	0.102	0.193	0.00506	32.6	0.0354	12.4	0.000996	0.000996	0.00000527	0.00439	0.00091	0.0209	0.0125	0.00000519	12.4	0.0000117	0.000141
2090 Oct	80	0.102	0.192	0.00504	32.5	0.0353	12.3	0.000994	0.000994	0.00000526	0.00439	0.000909	0.0209	0.0125	0.00000518	12.3	0.0000117	0.000141
2090 Nov	80	0.102	0.192	0.00504	32.5	0.0353	12.3	0.000994	0.000994	0.00000526	0.00439	0.000909	0.0209	0.0125	0.00000518	12.3	0.0000117	0.000141
2090 Dec	80	0.102	0.192	0.00504	32.5	0.0353	12.3	0.000994	0.000994	0.00000526	0.00439	0.000909	0.0209	0.0125	0.00000518	12.3	0.0000117	0.000141
2091 Jan	80	0.102	0.192	0.00504	32.5	0.0353	12.3	0.000994	0.000994	0.00000526	0.00439	0.000909	0.0209	0.0125	0.00000518	12.3	0.0000117	0.000141
2091 Feb	80	0.102	0.192	0.00504	32.5	0.0353	12.3	0.000994	0.000994	0.00000526	0.00439	0.000909	0.0209	0.0125	0.00000518	12.3	0.0000117	0.000141
2091 Mar	80	0.102	0.192	0.00504	32.5	0.0353	12.3	0.000994	0.000994	0.00000526	0.00439	0.000909	0.0209	0.0125	0.00000518	12.3	0.0000117	0.000141
2091 Apr	80	0.102	0.192	0.00504	32.5	0.0353	12.3	0.000994	0.000994	0.00000526	0.00439	0.000909	0.0209	0.0125	0.00000518	12.3	0.0000117	0.000141
2091 May	80.1	0.102	0.192	0.00504	32.5	0.0353	12.3	0.000995	0.000995	0.00000526	0.00439	0.00091	0.0209	0.0125	0.00000519	12.4	0.0000117	0.000141
2091 Jun	79.9	0.102	0.192	0.00502	32.4	0.0352	12.3	0.000993	0.000993	0.00000525	0.00439	0.000912	0.0208	0.0126	0.00000518	12.4	0.0000117	0.000142
2091 Jul	80.1	0.102	0.192	0.00503	32.5	0.0353	12.3	0.000996	0.000996	0.00000527	0.00441	0.000914	0.0209	0.0126	0.00000519	12.4	0.0000118	0.000142
2091 Aug	80.1	0.102	0.192	0.00503	32.5	0.0354	12.3	0.000996	0.000996	0.00000527	0.00441	0.000914	0.0209	0.0126	0.00000519	12.4	0.0000118	0.000142
2091 Sep	80.1	0.102	0.192	0.00503	32.5	0.0354	12.3	0.000996	0.000996	0.00000527	0.00441	0.000914	0.0209	0.0126	0.00000519	12.4	0.0000118	0.000142
2091 Oct	80	0.102	0.191	0.00502	32.4	0.0353	12.3	0.000995	0.000995	0.00000526	0.00441	0.000914	0.0208	0.0126	0.00000519	12.4	0.0000118	0.000142
2091 Nov	79.9	0.102	0.191	0.00501	32.4	0.0353	12.3	0.000994	0.000994	0.00000526	0.00441	0.000913	0.0208	0.0126	0.00000518	12.4	0.0000117	0.000142
2091 Dec	79.9	0.102	0.191	0.00501	32.4	0.0353	12.3	0.000994	0.000994	0.00000526	0.00441	0.000913	0.0208	0.0126	0.00000518	12.4	0.0000117	0.000142

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2092 Jan	79.9	0.102	0.191	0.00501	32.4	0.0353	12.3	0.000994	0.000994	0.00000526	0.00441	0.000913	0.0208	0.0126	0.00000518	12.4	0.0000117	0.000142
2092 Feb	79.9	0.102	0.191	0.00501	32.4	0.0353	12.3	0.000994	0.000994	0.00000526	0.00441	0.000913	0.0208	0.0126	0.00000518	12.4	0.0000117	0.000142
2092 Mar	79.9	0.102	0.191	0.00501	32.4	0.0353	12.3	0.000995	0.000995	0.00000526	0.00441	0.000913	0.0208	0.0126	0.00000518	12.4	0.0000117	0.000142
2092 Apr	79.9	0.102	0.191	0.00501	32.4	0.0353	12.3	0.000995	0.000995	0.00000526	0.00441	0.000913	0.0208	0.0126	0.00000519	12.4	0.0000118	0.000142
2092 May	80	0.102	0.191	0.00501	32.4	0.0353	12.3	0.000995	0.000995	0.00000526	0.00441	0.000915	0.0208	0.0126	0.00000519	12.5	0.0000118	0.000143
2092 Jun	79.7	0.101	0.19	0.00497	32.2	0.0351	12.2	0.000991	0.000991	0.00000524	0.00441	0.000914	0.0207	0.0127	0.00000517	12.5	0.0000118	0.000143
2092 Jul	79.6	0.101	0.189	0.00497	32.2	0.0351	12.2	0.000992	0.000992	0.00000524	0.00441	0.000914	0.0207	0.0127	0.00000517	12.5	0.0000118	0.000143
2092 Aug	79.8	0.101	0.19	0.00498	32.2	0.0352	12.2	0.000994	0.000994	0.00000525	0.00442	0.000916	0.0207	0.0127	0.00000518	12.5	0.0000118	0.000144
2092 Sep	79.8	0.101	0.19	0.00498	32.2	0.0352	12.2	0.000994	0.000994	0.00000525	0.00442	0.000917	0.0207	0.0127	0.00000518	12.5	0.0000118	0.000144
2092 Oct	79.8	0.101	0.19	0.00498	32.2	0.0352	12.2	0.000994	0.000994	0.00000525	0.00442	0.000916	0.0207	0.0127	0.00000518	12.5	0.0000118	0.000144
2092 Nov	79.7	0.101	0.19	0.00498	32.2	0.0352	12.2	0.000993	0.000993	0.00000525	0.00442	0.000916	0.0207	0.0127	0.00000518	12.5	0.0000118	0.000144
2092 Dec	79.7	0.101	0.19	0.00498	32.2	0.0352	12.2	0.000993	0.000993	0.00000525	0.00442	0.000916	0.0207	0.0127	0.00000518	12.5	0.0000118	0.000144
2093 Jan	79.7	0.101	0.19	0.00498	32.2	0.0352	12.2	0.000993	0.000993	0.00000525	0.00442	0.000916	0.0207	0.0127	0.00000518	12.5	0.0000118	0.000144
2093 Feb	79.7	0.101	0.19	0.00498	32.2	0.0352	12.2	0.000994	0.000994	0.00000525	0.00442	0.000916	0.0207	0.0127	0.00000518	12.5	0.0000118	0.000144
2093 Mar	79.8	0.101	0.19	0.00498	32.2	0.0352	12.2	0.000994	0.000994	0.00000525	0.00442	0.000916	0.0207	0.0127	0.00000518	12.5	0.0000118	0.000144
2093 Apr	79.8	0.101	0.19	0.00498	32.2	0.0352	12.2	0.000994	0.000994	0.00000525	0.00443	0.000917	0.0207	0.0127	0.00000518	12.5	0.0000118	0.000144
2093 May	79.8	0.101	0.19	0.00498	32.3	0.0352	12.2	0.000995	0.000995	0.00000526	0.00443	0.000918	0.0207	0.0127	0.00000518	12.5	0.0000118	0.000144
2093 Jun	79.7	0.101	0.189	0.00496	32.1	0.0351	12.2	0.000992	0.000992	0.00000524	0.00443	0.000918	0.0206	0.0128	0.00000517	12.6	0.0000118	0.000145
2093 Jul	79.8	0.101	0.189	0.00496	32.2	0.0352	12.2	0.000994	0.000994	0.00000525	0.00444	0.00092	0.0207	0.0128	0.00000518	12.6	0.0000118	0.000145
2093 Aug	79.9	0.101	0.189	0.00497	32.2	0.0352	12.2	0.000996	0.000996	0.00000526	0.00445	0.000922	0.0207	0.0128	0.00000519	12.6	0.0000119	0.000145
2093 Sep	79.9	0.101	0.189	0.00497	32.2	0.0352	12.2	0.000996	0.000996	0.00000526	0.00445	0.000922	0.0207	0.0128	0.00000519	12.6	0.0000119	0.000145
2093 Oct	79.7	0.101	0.189	0.00495	32.1	0.0352	12.2	0.000994	0.000994	0.00000525	0.00444	0.00092	0.0206	0.0128	0.00000518	12.6	0.0000118	0.000145
2093 Nov	79.7	0.101	0.188	0.00495	32.1	0.0352	12.2	0.000994	0.000994	0.00000525	0.00444	0.00092	0.0206	0.0128	0.00000518	12.6	0.0000118	0.000145
2093 Dec	79.7	0.101	0.188	0.00495	32.1	0.0352	12.2	0.000994	0.000994	0.00000525	0.00444	0.00092	0.0206	0.0128	0.00000518	12.6	0.0000118	0.000145
2094 Jan	79.7	0.101	0.188	0.00495	32.1	0.0352	12.2	0.000994	0.000994	0.00000525	0.00444	0.00092	0.0206	0.0128	0.00000518	12.6	0.0000118	0.000145
2094 Feb	79.7	0.101	0.188	0.00495	32.1	0.0352	12.2	0.000994	0.000994	0.00000525	0.00444	0.00092	0.0206	0.0128	0.00000518	12.6	0.0000118	0.000145
2094 Mar	79.7	0.101	0.188	0.00495	32.1	0.0352	12.2	0.000994	0.000994	0.00000525	0.00445	0.00092	0.0206	0.0128	0.00000518	12.6	0.0000118	0.000145
2094 Apr	79.7	0.101	0.188	0.00495	32.1	0.0352	12.2	0.000994	0.000994	0.00000525	0.00445	0.00092	0.0206	0.0128	0.00000518	12.6	0.0000118	0.000145
2094 May	79.7	0.101	0.188	0.00495	32.1	0.0351	12.2	0.000994	0.000994	0.00000525	0.00445	0.000921	0.0206	0.0128	0.00000518	12.6	0.0000119	0.000145
2094 Jun	79.7	0.101	0.188	0.00493	32.1	0.0351	12.2	0.000994	0.000994	0.00000525	0.00445	0.000923	0.0206	0.0129	0.00000518	12.6	0.0000119	0.000146
2094 Jul	79.9	0.101	0.188	0.00495	32.1	0.0352	12.2	0.000996	0.000996	0.00000526	0.00447	0.000925	0.0206	0.0129	0.00000519	12.7	0.0000119	0.000146
2094 Aug	80.1	0.102	0.189	0.00496	32.2	0.0353	12.2	0.000999	0.000999	0.00000528	0.00448	0.000928	0.0207	0.013	0.0000052	12.7	0.0000119	0.000147
2094 Sep	80.1	0.102	0.189	0.00496	32.2	0.0353	12.2	0.000999	0.000999	0.00000528	0.00448	0.000928	0.0207	0.013	0.00000521	12.7	0.0000119	0.000147
2094 Oct	80	0.101	0.188	0.00495	32.2	0.0353	12.2	0.000998	0.000998	0.00000527	0.00448	0.000927	0.0207	0.013	0.0000052	12.7	0.0000119	0.000147
2094 Nov	79.9	0.101	0.188	0.00494	32.1	0.0352	12.2	0.000997	0.000997	0.00000527	0.00448	0.000927	0.0206	0.013	0.00000519	12.7	0.0000119	0.000146
2094 Dec	79.9	0.101	0.188	0.00494	32.1	0.0352	12.2	0.000997	0.000997	0.00000527	0.00448	0.000926	0.0206	0.013	0.00000519	12.7	0.0000119	0.000146
2095 Jan	79.9	0.101	0.188	0.00494	32.1	0.0352	12.2	0.000997	0.000997	0.00000527	0.00448	0.000926	0.0206	0.013	0.00000519	12.7	0.0000119	0.000146
2095 Feb	79.9	0.101	0.188	0.00494	32.1	0.0352	12.2	0.000997	0.000997	0.00000527	0.00448	0.000926	0.0206	0.013	0.00000519	12.7	0.0000119	0.000146
2095 Mar	79.9	0.101	0.188	0.00494	32.1	0.0352	12.2	0.000997	0.000997	0.00000527	0.00448	0.000927	0.0206	0.013	0.00000519	12.7	0.0000119	0.000146
2095 Apr	79.9	0.101	0.188	0.00494	32.1	0.0353	12.2	0.000997	0.000997	0.00000527	0.00448	0.000927	0.0206	0.013	0.00000519	12.7	0.0000119	0.000147
2095 May	79.9	0.101	0.188	0.00494	32.1	0.0352	12.2	0.000998	0.000998	0.00000527	0.00448	0.000928	0.0206	0.013	0.00000519	12.7	0.0000119	0.000147
2095 Jun	80	0.101	0.188	0.00493	32.1	0.0352	12.2	0.000998	0.000998	0.00000527	0.00449	0.00093	0.0206	0.013	0.0000052	12.8	0.000012	0.000147
2095 Jul	80.2	0.102	0.188	0.00495	32.2	0.0353	12.2	0.001	0.001	0.00000529	0.0045	0.000932	0.0207	0.0131	0.00000521	12.8	0.000012	0.000148
2095 Aug	80.2	0.102	0.188	0.00495	32.2	0.0353	12.2	0.001	0.001	0.00000529	0.0045	0.000933	0.0207	0.0131	0.00000521	12.8	0.000012	0.000148
2095 Sep	80.2	0.102	0.188	0.00494	32.2	0.0354	12.2	0.001	0.001	0.00000529	0.00451	0.000933	0.0207	0.0131	0.00000521	12.8	0.000012	0.000148
2095 Oct	80.2	0.102	0.188	0.00494	32.2	0.0354	12.2	0.001	0.001	0.00000529	0.00451	0.000933	0.0207	0.0131	0.00000521	12.8	0.000012	0.000148
2095 Nov	80.1	0.102	0.188	0.00494	32.2	0.0354	12.2	0.001	0.001	0.00000529	0.00451	0.000933	0.0207	0.0131	0.00000521	12.8	0.000012	0.000148
2095 Dec	80.1	0.102	0.188	0.00494	32.2	0.0354	12.2	0.001	0.001	0.00000529	0.00451	0.000933	0.0207	0.0131	0.00000521	12.8	0.000012	0.000148
2096 Jan	80.1	0.102	0.188	0.00494	32.2	0.0354	12.2	0.001	0.001	0.00000529	0.00451	0.000933	0.0207	0.0131	0.00000521	12.8	0.000012	0.000148
2096 Feb	80.1	0.102	0.188	0.00494	32.2	0.0354	12.2	0.001	0.001	0.00000529	0.00451	0.000933	0.0207	0.0131	0.00000521	12.8	0.000012	0.000148
2096 Mar	80.1	0.102	0.188	0.00494	32.2	0.0354	12.2	0.001	0.001	0.00000529	0.00451	0.000933	0.0207	0.0131	0.00000521	12.8	0.000012	0.000148
2096 Apr	80.1	0.102	0.188	0.00494	32.2	0.0354	12.2	0.001	0.001	0.00000529	0.00451	0.000933	0.0207	0.0131	0.00000521	12.8	0.000012	0.000148
2096 May	80.2	0.102	0.188	0.00494	32.2	0.0354	12.2	0.001	0.001	0.00000529	0.00451	0.000934	0.0207	0.0131	0.00000522	12.8	0.000012	0.000148
2096 Jun	79.8	0.101	0.186	0.00491	32	0.0352	12.1	0.000998	0.000998	0.00000527	0.00451	0.000933	0.0205	0.0131	0.0000052	12.8	0.000012	0.000149
2096 Jul	79.9	0.101	0.187	0.00491	32	0.0352	12.1	0.001	0.001	0.00000528	0.00452	0.000934	0.0206	0.0131	0.00000521	12.8	0.000012	0.000149
2096 Aug	80.1	0.101	0.187	0.00492	32.1	0.0353	12.2	0.001	0.001	0.00000529	0.00453	0.000936	0.0206	0.0132	0.00000522	12.9	0.0000121	0.000149
2096 Sep	80	0.101	0.187	0.00492	32.1	0.0353	12.1	0.001	0.001	0.00000529	0.00453	0.000936	0.0206	0.0132	0.00000522	12.9	0.0000121	0.000149
2096 Oct	79.9	0.101	0.186	0.00491	32	0.0353	12.1	0.001	0.001	0.00000528	0.00453	0.000935	0.0206	0.0132	0.00000521	12.9	0.000012	0.000149
2096 Nov	79.9	0.101	0.186	0.0049	32	0.0353	12.1	0.001	0.001	0.00000528	0.00453	0.000935	0.0206	0.0132	0.00000521	12.9	0.000012	0.000149
2096 Dec	79.9	0.101	0.186	0.0049	32	0.0353	12.1	0.001	0.001	0.00000528	0.00453	0.000935	0.0206	0.0132	0.00000521	12.9	0.000012	0.000149
2097 Jan	79.9	0.101	0.186	0.0049	32	0.0353	12.1	0.001	0.001	0.00000528	0.00453	0.000935	0.0206	0.0132	0.00000521	12.9	0.000012	0.000149
2097 Feb	79.9	0.101	0.186	0.0049	32	0.0353	12.1	0.001	0.001	0.00000528	0.00453	0.000935	0.0206	0.0132	0.00000521	12.9	0.000012	0.000149
2097 Mar	79.9	0.101	0.186	0.0049	32	0.0353	12.1	0.001	0.001	0.00000528	0.00453	0.000935	0.0206	0.0132	0.00000521	12.9	0.000012	0.000149
2097 Apr	79.9	0.101	0.186	0.00491	32	0.0353	12.1	0.001	0.001	0.00000528	0.00453	0.000935	0.0206	0.0132	0.00000521	12.9	0.000012	0.000149
2097 May	80	0.101	0.186	0.00491	32	0.0353	12.1	0.001	0.001	0.00000529	0.00453	0.000937	0.0206	0.0132	0.00000521	12.9	0.0000121	0.000149
2097 Jun	79.9	0.101	0.186	0.00489	32	0.0352	12.1	0.001	0.001	0.00000528	0.00454	0.000938	0.0205	0.0132	0.00000521	12.9	0.0000121	0.00015
2097 Jul	80.1	0.101	0.186	0.00491	32	0.0353	12.1	0.001	0.001	0.00000529	0.00455	0.00094	0.0206	0.0133	0.00000522	12.9	0.0000121	0.00015
2097 Aug	80.2	0.101	0.186	0.00491	32.1	0.0354	12.1	0.001	0.001	0.0000053	0.00456	0.000942	0.0206	0.0133	0.00000523	13	0.0000121	0.00015
2097 Sep	80.3	0.101	0.187	0.00491	32.1	0.0354	12.2	0.00101	0.00101	0.00000531	0.00456	0.000942	0.0206	0.0133	0.00000523	13	0.0000121	0.000151
2097 Oct	80.2	0.101	0.186	0.00491	32.1	0.0354	12.1	0.00101	0.00101	0.0000053	0.00456	0.000942	0.0206	0.0133	0.00000523	13	0.0000121	0.000151
2097 Nov	80.2	0.101	0.186	0.00491	32.1	0.0354	12.1	0.00101	0.00101	0.0000053	0.00456	0.000942	0.0206	0.0133	0.00000523	13	0.0000121	0.00015

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2097 Dec	80.2	0.101	0.186	0.00491	32.1	0.0354	12.1	0.001	0.001	0.0000053	0.00456	0.000942	0.0206	0.0133	0.00000523	13	0.0000121	0.00015
2098 Jan	80.2	0.101	0.186	0.00491	32.1	0.0354	12.1	0.001	0.001	0.0000053	0.00456	0.000942	0.0206	0.0133	0.00000523	13	0.0000121	0.00015
2098 Feb	80.2	0.101	0.186	0.00491	32.1	0.0354	12.1	0.001	0.001	0.0000053	0.00456	0.000942	0.0206	0.0133	0.00000523	13	0.0000121	0.00015
2098 Mar	80.2	0.101	0.186	0.00491	32.1	0.0354	12.1	0.001	0.001	0.0000053	0.00456	0.000942	0.0206	0.0133	0.00000523	13	0.0000121	0.00015
2098 Apr	80.2	0.101	0.186	0.00491	32.1	0.0354	12.1	0.00101	0.00101	0.0000053	0.00456	0.000942	0.0206	0.0133	0.00000523	13	0.0000121	0.000151
2098 May	80.2	0.101	0.186	0.0049	32	0.0354	12.1	0.00101	0.00101	0.0000053	0.00456	0.000944	0.0206	0.0133	0.00000523	13	0.0000121	0.000151
2098 Jun	80	0.101	0.185	0.00487	31.9	0.0352	12.1	0.001	0.001	0.00000528	0.00456	0.000943	0.0205	0.0134	0.00000521	13	0.0000121	0.000152
2098 Jul	80.2	0.101	0.185	0.00488	32	0.0353	12.1	0.001	0.001	0.0000053	0.00457	0.000946	0.0205	0.0134	0.00000523	13.1	0.0000122	0.000152
2098 Aug	80.2	0.101	0.185	0.00489	32	0.0353	12.1	0.00101	0.00101	0.0000053	0.00457	0.000947	0.0205	0.0134	0.00000523	13.1	0.0000122	0.000152
2098 Sep	80.1	0.101	0.185	0.00487	31.9	0.0353	12.1	0.001	0.001	0.0000053	0.00457	0.000945	0.0205	0.0134	0.00000522	13.1	0.0000122	0.000152
2098 Oct	79.9	0.101	0.184	0.00486	31.8	0.0353	12.1	0.001	0.001	0.00000529	0.00457	0.000944	0.0205	0.0134	0.00000522	13	0.0000121	0.000152
2098 Nov	79.9	0.101	0.184	0.00486	31.8	0.0352	12.1	0.001	0.001	0.00000528	0.00457	0.000944	0.0204	0.0134	0.00000521	13	0.0000121	0.000152
2098 Dec	79.9	0.101	0.184	0.00486	31.8	0.0352	12.1	0.001	0.001	0.00000528	0.00457	0.000944	0.0204	0.0134	0.00000521	13	0.0000121	0.000152
2099 Jan	79.9	0.101	0.184	0.00486	31.8	0.0352	12.1	0.001	0.001	0.00000528	0.00457	0.000944	0.0204	0.0134	0.00000521	13	0.0000121	0.000152
2099 Feb	79.9	0.101	0.184	0.00486	31.8	0.0352	12.1	0.001	0.001	0.00000528	0.00457	0.000944	0.0204	0.0134	0.00000521	13	0.0000121	0.000152
2099 Mar	79.9	0.101	0.184	0.00486	31.8	0.0352	12.1	0.001	0.001	0.00000529	0.00457	0.000944	0.0204	0.0134	0.00000521	13	0.0000121	0.000152
2099 Apr	79.9	0.101	0.184	0.00486	31.8	0.0353	12.1	0.001	0.001	0.00000529	0.00457	0.000945	0.0205	0.0134	0.00000522	13	0.0000122	0.000152
2099 May	79.9	0.101	0.184	0.00484	31.8	0.0352	12	0.001	0.001	0.00000528	0.00457	0.000947	0.0204	0.0135	0.00000521	13.1	0.0000122	0.000153
2099 Jun	79.8	0.101	0.183	0.00483	31.7	0.0351	12	0.001	0.001	0.00000527	0.00457	0.000947	0.0204	0.0135	0.0000052	13.1	0.0000122	0.000153
2099 Jul	80	0.101	0.183	0.00484	31.8	0.0352	12	0.001	0.001	0.00000529	0.00458	0.000949	0.0204	0.0136	0.00000522	13.2	0.0000122	0.000153
2099 Aug	80.1	0.101	0.184	0.00485	31.9	0.0353	12.1	0.001	0.001	0.0000053	0.00459	0.000951	0.0204	0.0136	0.00000523	13.2	0.0000122	0.000154
2099 Sep	80.1	0.101	0.183	0.00484	31.8	0.0353	12	0.001	0.001	0.00000529	0.00459	0.000951	0.0204	0.0136	0.00000522	13.2	0.0000122	0.000154
2099 Oct	80	0.101	0.183	0.00484	31.8	0.0352	12	0.001	0.001	0.00000529	0.00459	0.00095	0.0204	0.0136	0.00000522	13.2	0.0000122	0.000154
2099 Nov	79.9	0.101	0.183	0.00483	31.7	0.0352	12	0.001	0.001	0.00000529	0.00459	0.00095	0.0204	0.0136	0.00000522	13.2	0.0000122	0.000153
2099 Dec	79.9	0.101	0.183	0.00483	31.7	0.0352	12	0.001	0.001	0.00000529	0.00459	0.00095	0.0204	0.0136	0.00000522	13.2	0.0000122	0.000153
2100 Jan	79.9	0.101	0.183	0.00483	31.7	0.0352	12	0.001	0.001	0.00000529	0.00459	0.00095	0.0204	0.0136	0.00000522	13.2	0.0000122	0.000153
2100 Feb	79.9	0.101	0.183	0.00483	31.7	0.0352	12	0.001	0.001	0.00000529	0.00459	0.00095	0.0204	0.0136	0.00000522	13.2	0.0000122	0.000153
2100 Mar	79.9	0.101	0.183	0.00483	31.7	0.0352	12	0.001	0.001	0.00000529	0.00459	0.00095	0.0204	0.0136	0.00000522	13.2	0.0000122	0.000153
2100 Apr	79.9	0.101	0.183	0.00483	31.8	0.0352	12	0.001	0.001	0.00000529	0.00459	0.00095	0.0204	0.0136	0.00000522	13.2	0.0000122	0.000154
2100 May	80	0.101	0.183	0.00483	31.8	0.0352	12	0.001	0.001	0.00000529	0.0046	0.000952	0.0204	0.0136	0.00000522	13.2	0.0000122	0.000154
2100 Jun	79.7	0.1	0.182	0.0048	31.6	0.0351	12	0.001	0.001	0.00000527	0.00459	0.000951	0.0203	0.0137	0.0000052	13.2	0.0000122	0.000154
2100 Jul	79.7	0.1	0.182	0.0048	31.6	0.0351	12	0.001	0.001	0.00000528	0.0046	0.000952	0.0203	0.0137	0.00000521	13.2	0.0000122	0.000154
2100 Aug	79.7	0.1	0.182	0.0048	31.6	0.0351	12	0.001	0.001	0.00000528	0.0046	0.000952	0.0203	0.0137	0.00000521	13.2	0.0000122	0.000155
2100 Sep	79.7	0.1	0.182	0.0048	31.6	0.0351	12	0.001	0.001	0.00000528	0.0046	0.000952	0.0203	0.0137	0.00000521	13.2	0.0000122	0.000155
2100 Oct	79.7	0.1	0.182	0.0048	31.6	0.0351	12	0.001	0.001	0.00000528	0.0046	0.000952	0.0203	0.0137	0.00000521	13.2	0.0000122	0.000155
2100 Nov	79.7	0.1	0.182	0.0048	31.6	0.0351	12	0.001	0.001	0.00000528	0.0046	0.000952	0.0203	0.0137	0.00000521	13.2	0.0000122	0.000155
2100 Dec	79.7	0.1	0.182	0.0048	31.6	0.0351	12	0.001	0.001	0.00000528	0.0046	0.000952	0.0203	0.0137	0.00000521	13.2	0.0000122	0.000155
2101 Jan	79.7	0.1	0.182	0.0048	31.6	0.0351	12	0.001	0.001	0.00000528	0.0046	0.000952	0.0203	0.0137	0.00000521	13.2	0.0000122	0.000155
2101 Feb	79.7	0.1	0.182	0.0048	31.6	0.0351	12	0.001	0.001	0.00000528	0.0046	0.000952	0.0203	0.0137	0.00000521	13.2	0.0000122	0.000155
2101 Mar	79.7	0.1	0.182	0.0048	31.6	0.0351	12	0.001	0.001	0.00000528	0.0046	0.000952	0.0203	0.0137	0.00000521	13.2	0.0000122	0.000155
2101 Apr	79.7	0.1	0.182	0.0048	31.6	0.0351	12	0.001	0.001	0.00000528	0.0046	0.000952	0.0203	0.0137	0.00000521	13.2	0.0000122	0.000155
2101 May	79.8	0.1	0.181	0.00479	31.6	0.0351	12	0.001	0.001	0.00000528	0.0046	0.000954	0.0203	0.0137	0.00000521	13.3	0.0000122	0.000155
2101 Jun	79.6	0.1	0.181	0.00478	31.5	0.035	11.9	0.001	0.001	0.00000527	0.0046	0.000954	0.0202	0.0137	0.0000052	13.3	0.0000122	0.000155
2101 Jul	79.8	0.1	0.181	0.00479	31.6	0.0351	11.9	0.001	0.001	0.00000528	0.00461	0.000956	0.0202	0.0138	0.00000521	13.3	0.0000123	0.000156
2101 Aug	80	0.1	0.181	0.0048	31.6	0.0352	12	0.001	0.001	0.00000529	0.00462	0.000959	0.0203	0.0138	0.00000522	13.3	0.0000123	0.000156
2101 Sep	79.9	0.1	0.181	0.00479	31.6	0.0352	12	0.001	0.001	0.00000529	0.00463	0.000958	0.0203	0.0138	0.00000522	13.3	0.0000123	0.000156
2101 Oct	79.9	0.1	0.181	0.00479	31.6	0.0352	12	0.001	0.001	0.00000529	0.00463	0.000958	0.0203	0.0138	0.00000522	13.3	0.0000123	0.000156
2101 Nov	79.8	0.1	0.181	0.00479	31.6	0.0351	11.9	0.001	0.001	0.00000529	0.00462	0.000958	0.0202	0.0138	0.00000522	13.3	0.0000123	0.000156
2101 Dec	79.8	0.1	0.181	0.00479	31.6	0.0351	11.9	0.001	0.001	0.00000529	0.00463	0.000958	0.0202	0.0138	0.00000522	13.3	0.0000123	0.000156
2102 Jan	79.8	0.1	0.181	0.00479	31.6	0.0351	11.9	0.001	0.001	0.00000529	0.00463	0.000958	0.0202	0.0138	0.00000522	13.3	0.0000123	0.000156
2102 Feb	79.8	0.1	0.181	0.00479	31.6	0.0351	11.9	0.001	0.001	0.00000529	0.00463	0.000958	0.0202	0.0138	0.00000522	13.3	0.0000123	0.000156
2102 Mar	79.8	0.1	0.181	0.00479	31.6	0.0351	11.9	0.001	0.001	0.00000529	0.00463	0.000958	0.0202	0.0138	0.00000522	13.3	0.0000123	0.000156
2102 Apr	79.8	0.1	0.181	0.00479	31.6	0.0351	11.9	0.001	0.001	0.00000529	0.00463	0.000958	0.0203	0.0138	0.00000522	13.3	0.0000123	0.000156
2102 May	79.9	0.1	0.181	0.00479	31.6	0.0352	12	0.001	0.001	0.00000529	0.00463	0.000958	0.0203	0.0138	0.00000522	13.3	0.0000123	0.000156
2102 Jun	79.6	0.0999	0.18	0.00477	31.4	0.035	11.9	0.001	0.001	0.00000528	0.00463	0.000956	0.0202	0.0138	0.00000521	13.3	0.0000123	0.000156
2102 Jul	79.5	0.0997	0.18	0.00476	31.4	0.035	11.9	0.001	0.001	0.00000528	0.00464	0.000956	0.0202	0.0138	0.00000521	13.3	0.0000123	0.000156
2102 Aug	79.6	0.0998	0.18	0.00477	31.4	0.0351	11.9	0.001	0.001	0.00000529	0.00464	0.000958	0.0202	0.0138	0.00000522	13.3	0.0000123	0.000156
2102 Sep	79.6	0.0999	0.18	0.00477	31.4	0.0351	11.9	0.001	0.001	0.00000529	0.00464	0.000958	0.0202	0.0138	0.00000522	13.3	0.0000123	0.000156
2102 Oct	79.5	0.0997	0.18	0.00476	31.4	0.035	11.9	0.001	0.001	0.00000528	0.00464	0.000957	0.0202	0.0138	0.00000521	13.3	0.0000123	0.000156
2102 Nov	79.5	0.0997	0.18	0.00476	31.4	0.0351	11.9	0.001	0.001	0.00000528	0.00464	0.000957	0.0202	0.0138	0.00000521	13.3	0.0000123	0.000156
2102 Dec	79.5	0.0997	0.18	0.00476	31.4	0.0351	11.9	0.001	0.001	0.00000528	0.00464	0.000957	0.0202	0.0138	0.00000521	13.3	0.0000123	0.000156
2103 Jan	79.5	0.0997	0.18	0.00476	31.4	0.0351	11.9	0.001	0.001	0.00000528	0.00464	0.000957	0.0202	0.0138	0.00000521	13.3	0.0000123	0.000156
2103 Feb	79.5	0.0997	0.18	0.00476	31.4	0.0351	11.9	0.001	0.001	0.00000528	0.00464	0.000957	0.0202	0.0138	0.00000521	13.3	0.0000123	0.000156
2103 Mar	79.5	0.0997	0.18	0.00476	31.4	0.0351	11.9	0.001	0.001	0.00000528	0.00464	0.000957	0.0202	0.0138	0.00000521	13.3	0.0000123	0.000156
2103 Apr	79.5	0.0998	0.18	0.00476	31.4	0.0351	11.9	0.001	0.001	0.00000528	0.00464	0.000957	0.0202	0.0138	0.00000521	13.3	0.0000123	0.000156
2103 May	79.6	0.0998	0.18	0.00475	31.4	0.0351	11.9	0.001	0.001	0.00000529	0.00465	0.000959	0.0202	0.0138	0.00000522	13.3	0.0000123	0.000157
2103 Jun	79.3	0.0993	0.178	0.00473	31.2	0.0349	11.8	0.001	0.001	0.00000527	0.00464	0.000958	0.0201	0.0139	0.0000052	13.4	0.0000123	0.000157
2103 Jul	79.4	0.0994	0.178	0.00473	31.3	0.0349	11.8	0.001	0.001	0.00000528	0.00465	0.000959	0.0201	0.0139	0.00000521	13.4	0.0000124	0.000157
2103 Aug	79.4	0.0993	0.178	0.00473	31.3	0.035	11.8	0.001	0.001	0.00000528	0.00465	0.00096	0.0201	0.0139	0.00000521	13.4	0.0000124	0.000157
2103 Sep	79.3	0.0993	0.178	0.00472	31.2	0.035	11.8	0.001	0.001	0.00000528	0.00465	0.00096	0.0201	0.0139	0.00000521	13.4	0.0000124	0.000157
2103 Oct	79.2	0.0991	0.178	0.00471	31.2	0.0349	11.8	0.001	0.001	0.00000527	0.00465	0.000959	0.02	0.0139	0.0000052	13.3	0.0000123	0.000157
2103 Nov	79.1	0.0991	0.178	0.00471	31.1	0.0349	11.8	0.001	0.001	0.00000526	0.00465	0.000958	0.02	0.0139	0.0000052	13.3	0.0000123	0.000157

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2103 Dec	79.1	0.0991	0.178	0.00471	31.1	0.0349	11.8	0.001	0.001	0.00000527	0.00465	0.000958	0.02	0.0139	0.0000052	13.3	0.0000123	0.000157
2104 Jan	79.1	0.0991	0.178	0.00471	31.1	0.0349	11.8	0.001	0.001	0.00000527	0.00465	0.000958	0.02	0.0139	0.0000052	13.3	0.0000123	0.000157
2104 Feb	79.1	0.0991	0.178	0.00471	31.1	0.0349	11.8	0.001	0.001	0.00000527	0.00465	0.000958	0.02	0.0139	0.0000052	13.3	0.0000123	0.000157
2104 Mar	79.1	0.0991	0.178	0.00471	31.1	0.0349	11.8	0.001	0.001	0.00000527	0.00465	0.000958	0.02	0.0139	0.0000052	13.3	0.0000123	0.000157
2104 Apr	79.2	0.0992	0.178	0.00471	31.1	0.0349	11.8	0.001	0.001	0.00000527	0.00465	0.000959	0.02	0.0139	0.0000052	13.3	0.0000123	0.000157
2104 May	79.2	0.0991	0.177	0.0047	31.1	0.0349	11.8	0.001	0.001	0.00000527	0.00466	0.00096	0.02	0.0139	0.0000052	13.4	0.0000124	0.000158
2104 Jun	79	0.0988	0.176	0.00468	31	0.0348	11.7	0.000998	0.000998	0.00000525	0.00465	0.00096	0.0199	0.014	0.00000519	13.4	0.0000124	0.000158
2104 Jul	79.1	0.0989	0.177	0.00469	31.1	0.0348	11.7	0.001	0.001	0.00000526	0.00466	0.000962	0.02	0.014	0.00000519	13.4	0.0000124	0.000158
2104 Aug	79.2	0.099	0.177	0.00469	31.1	0.0349	11.8	0.001	0.001	0.00000527	0.00467	0.000963	0.02	0.014	0.0000052	13.4	0.0000124	0.000158
2104 Sep	79.1	0.0989	0.177	0.00469	31.1	0.0349	11.7	0.001	0.001	0.00000527	0.00467	0.000962	0.02	0.014	0.0000052	13.4	0.0000124	0.000158
2104 Oct	79	0.0988	0.176	0.00468	31	0.0348	11.7	0.001	0.001	0.00000526	0.00466	0.000961	0.0199	0.014	0.00000519	13.4	0.0000124	0.000158
2104 Nov	79	0.0988	0.176	0.00468	31	0.0348	11.7	0.000999	0.000999	0.00000526	0.00466	0.000961	0.0199	0.014	0.00000519	13.4	0.0000124	0.000158
2104 Dec	79	0.0988	0.176	0.00468	31	0.0348	11.7	0.000999	0.000999	0.00000526	0.00466	0.000961	0.0199	0.014	0.00000519	13.4	0.0000124	0.000158
2105 Jan	79	0.0988	0.176	0.00468	31	0.0348	11.7	0.000999	0.000999	0.00000526	0.00466	0.000961	0.0199	0.014	0.00000519	13.4	0.0000124	0.000158
2105 Feb	79	0.0988	0.176	0.00468	31	0.0348	11.7	0.000999	0.000999	0.00000526	0.00466	0.000961	0.0199	0.014	0.00000519	13.4	0.0000124	0.000158
2105 Mar	79	0.0988	0.176	0.00468	31	0.0348	11.7	0.000999	0.000999	0.00000526	0.00466	0.000961	0.0199	0.014	0.00000519	13.4	0.0000124	0.000158
2105 Apr	79	0.0988	0.176	0.00468	31	0.0348	11.7	0.001	0.001	0.00000526	0.00467	0.000961	0.0199	0.014	0.00000519	13.4	0.0000124	0.000158
2105 May	79	0.0988	0.176	0.00467	31	0.0348	11.7	0.001	0.001	0.00000526	0.00467	0.000963	0.0199	0.014	0.00000519	13.4	0.0000124	0.000159
2105 Jun	79	0.0987	0.176	0.00466	31	0.0348	11.7	0.000999	0.000999	0.00000526	0.00467	0.000964	0.0199	0.0141	0.00000519	13.5	0.0000124	0.000159
2105 Jul	79.1	0.0988	0.176	0.00467	31	0.0348	11.7	0.001	0.001	0.00000527	0.00468	0.000966	0.0199	0.0141	0.0000052	13.5	0.0000124	0.000159
2105 Aug	79.1	0.0987	0.176	0.00467	31	0.0348	11.7	0.001	0.001	0.00000526	0.00468	0.000965	0.0199	0.0141	0.0000052	13.5	0.0000124	0.000159
2105 Sep	78.9	0.0985	0.175	0.00465	30.9	0.0348	11.7	0.001	0.001	0.00000526	0.00468	0.000964	0.0199	0.0141	0.00000519	13.5	0.0000124	0.000159
2105 Oct	78.8	0.0984	0.175	0.00465	30.9	0.0348	11.7	0.000998	0.000998	0.00000525	0.00467	0.000963	0.0198	0.014	0.00000518	13.5	0.0000124	0.000159
2105 Nov	78.7	0.0984	0.175	0.00464	30.8	0.0348	11.7	0.000998	0.000998	0.00000525	0.00467	0.000963	0.0198	0.014	0.00000518	13.5	0.0000124	0.000159
2105 Dec	78.7	0.0984	0.175	0.00464	30.8	0.0348	11.7	0.000998	0.000998	0.00000525	0.00467	0.000963	0.0198	0.014	0.00000518	13.5	0.0000124	0.000159
2106 Jan	78.7	0.0984	0.175	0.00464	30.8	0.0348	11.7	0.000998	0.000998	0.00000525	0.00467	0.000963	0.0198	0.014	0.00000518	13.5	0.0000124	0.000159
2106 Feb	78.8	0.0984	0.175	0.00464	30.8	0.0348	11.7	0.000998	0.000998	0.00000525	0.00467	0.000963	0.0198	0.014	0.00000518	13.5	0.0000124	0.000159
2106 Mar	78.8	0.0984	0.175	0.00464	30.8	0.0348	11.7	0.000998	0.000998	0.00000525	0.00467	0.000963	0.0198	0.014	0.00000518	13.5	0.0000124	0.000159
2106 Apr	78.8	0.0984	0.175	0.00464	30.8	0.0348	11.7	0.000998	0.000998	0.00000525	0.00467	0.000963	0.0198	0.014	0.00000518	13.5	0.0000124	0.000159
2106 May	78.8	0.0985	0.175	0.00464	30.9	0.0348	11.7	0.000999	0.000999	0.00000525	0.00468	0.000964	0.0198	0.0141	0.00000519	13.5	0.0000124	0.000159
2106 Jun	78.6	0.0981	0.174	0.00462	30.7	0.0346	11.6	0.000996	0.000996	0.00000524	0.00468	0.000964	0.0197	0.0141	0.00000517	13.5	0.0000124	0.00016
2106 Jul	78.7	0.0981	0.174	0.00462	30.8	0.0347	11.6	0.000998	0.000998	0.00000525	0.00469	0.000965	0.0198	0.0141	0.00000518	13.5	0.0000124	0.00016
2106 Aug	78.7	0.0981	0.174	0.00462	30.7	0.0347	11.6	0.000998	0.000998	0.00000525	0.00469	0.000966	0.0198	0.0141	0.00000518	13.5	0.0000124	0.00016
2106 Sep	78.6	0.098	0.173	0.00461	30.7	0.0347	11.6	0.000997	0.000997	0.00000524	0.00469	0.000965	0.0197	0.0141	0.00000518	13.5	0.0000124	0.00016
2106 Oct	78.5	0.0979	0.173	0.00461	30.7	0.0347	11.6	0.000997	0.000997	0.00000524	0.00469	0.000965	0.0197	0.0141	0.00000518	13.5	0.0000124	0.00016
2106 Nov	78.5	0.0979	0.173	0.00461	30.7	0.0347	11.6	0.000997	0.000997	0.00000524	0.00469	0.000965	0.0197	0.0141	0.00000518	13.5	0.0000124	0.00016
2106 Dec	78.5	0.098	0.173	0.00461	30.7	0.0347	11.6	0.000997	0.000997	0.00000524	0.00469	0.000965	0.0197	0.0141	0.00000518	13.5	0.0000124	0.00016
2107 Jan	78.5	0.098	0.173	0.00461	30.7	0.0347	11.6	0.000997	0.000997	0.00000524	0.00469	0.000965	0.0197	0.0141	0.00000518	13.5	0.0000124	0.00016
2107 Feb	78.5	0.098	0.173	0.00461	30.7	0.0347	11.6	0.000997	0.000997	0.00000524	0.00469	0.000965	0.0197	0.0141	0.00000518	13.5	0.0000124	0.00016
2107 Mar	78.5	0.098	0.173	0.00461	30.7	0.0347	11.6	0.000997	0.000997	0.00000524	0.00469	0.000965	0.0197	0.0141	0.00000518	13.5	0.0000124	0.00016
2107 Apr	78.5	0.098	0.173	0.00461	30.7	0.0347	11.6	0.000998	0.000998	0.00000524	0.00469	0.000965	0.0197	0.0141	0.00000518	13.5	0.0000124	0.00016
2107 May	78.6	0.098	0.173	0.00461	30.7	0.0347	11.6	0.000998	0.000998	0.00000524	0.00469	0.000966	0.0197	0.0141	0.00000518	13.5	0.0000124	0.00016
2107 Jun	78.5	0.0978	0.173	0.0046	30.6	0.0346	11.6	0.000997	0.000997	0.00000524	0.00469	0.000967	0.0197	0.0142	0.00000517	13.5	0.0000124	0.000161
2107 Jul	78.6	0.0979	0.173	0.0046	30.6	0.0347	11.6	0.000998	0.000998	0.00000525	0.0047	0.000968	0.0197	0.0142	0.00000518	13.6	0.0000124	0.000161
2107 Aug	78.7	0.098	0.173	0.00461	30.7	0.0347	11.6	0.001	0.001	0.00000526	0.00471	0.00097	0.0197	0.0142	0.00000519	13.6	0.0000125	0.000161
2107 Sep	78.7	0.098	0.173	0.00461	30.7	0.0348	11.6	0.001	0.001	0.00000526	0.00471	0.00097	0.0197	0.0142	0.00000519	13.6	0.0000125	0.000161
2107 Oct	78.7	0.098	0.173	0.0046	30.7	0.0347	11.6	0.001	0.001	0.00000525	0.00471	0.00097	0.0197	0.0142	0.00000519	13.6	0.0000125	0.000161
2107 Nov	78.6	0.098	0.173	0.0046	30.7	0.0347	11.6	0.000999	0.000999	0.00000525	0.00471	0.00097	0.0197	0.0142	0.00000519	13.6	0.0000124	0.000161
2107 Dec	78.6	0.098	0.173	0.0046	30.7	0.0347	11.6	0.001	0.001	0.00000525	0.00471	0.00097	0.0197	0.0142	0.00000519	13.6	0.0000124	0.000161
2108 Jan	78.6	0.098	0.173	0.0046	30.7	0.0347	11.6	0.001	0.001	0.00000525	0.00471	0.00097	0.0197	0.0142	0.00000519	13.6	0.0000124	0.000161
2108 Feb	78.6	0.098	0.173	0.0046	30.7	0.0347	11.6	0.001	0.001	0.00000525	0.00471	0.00097	0.0197	0.0142	0.00000519	13.6	0.0000124	0.000161
2108 Mar	78.6	0.098	0.173	0.0046	30.7	0.0347	11.6	0.001	0.001	0.00000525	0.00471	0.00097	0.0197	0.0142	0.00000519	13.6	0.0000124	0.000161
2108 Apr	78.7	0.098	0.173	0.0046	30.7	0.0348	11.6	0.001	0.001	0.00000526	0.00471	0.00097	0.0197	0.0142	0.00000519	13.6	0.0000125	0.000161
2108 May	78.8	0.0981	0.173	0.00461	30.7	0.0348	11.6	0.001	0.001	0.00000526	0.00472	0.000971	0.0197	0.0142	0.00000519	13.6	0.0000125	0.000161
2108 Jun	78.6	0.0979	0.172	0.00459	30.6	0.0347	11.6	0.001	0.001	0.00000526	0.00472	0.000971	0.0197	0.0143	0.00000519	13.6	0.0000125	0.000162
2108 Jul	78.8	0.098	0.173	0.0046	30.7	0.0348	11.6	0.001	0.001	0.00000527	0.00473	0.000973	0.0197	0.0143	0.0000052	13.6	0.0000125	0.000162
2108 Aug	79	0.0983	0.173	0.00461	30.8	0.0349	11.6	0.00101	0.00101	0.00000528	0.00474	0.000976	0.0198	0.0143	0.00000522	13.7	0.0000125	0.000162
2108 Sep	79	0.0983	0.173	0.00461	30.8	0.0349	11.6	0.00101	0.00101	0.00000528	0.00475	0.000976	0.0198	0.0143	0.00000522	13.7	0.0000126	0.000162
2108 Oct	78.8	0.0981	0.173	0.0046	30.7	0.0348	11.6	0.001	0.001	0.00000527	0.00474	0.000975	0.0197	0.0143	0.00000521	13.7	0.0000125	0.000162
2108 Nov	78.8	0.0981	0.173	0.0046	30.7	0.0348	11.6	0.001	0.001	0.00000527	0.00474	0.000975	0.0197	0.0143	0.00000521	13.7	0.0000125	0.000162
2108 Dec	78.8	0.0981	0.173	0.0046	30.7	0.0348	11.6	0.001	0.001	0.00000527	0.00474	0.000975	0.0197	0.0143	0.00000521	13.7	0.0000125	0.000162
2109 Jan	78.8	0.0981	0.173	0.0046	30.7	0.0348	11.6	0.001	0.001	0.00000527	0.00474	0.000975	0.0197	0.0143	0.00000521	13.7	0.0000125	0.000162
2109 Feb	78.8	0.0981	0.173	0.0046	30.7	0.0348	11.6	0.001	0.001	0.00000527	0.00474	0.000975	0.0197	0.0143	0.00000521	13.7	0.0000125	0.000162
2109 Mar	78.8	0.0981	0.173	0.0046	30.7	0.0348	11.6	0.001	0.001	0.00000527	0.00474	0.000975	0.0197	0.0143	0.00000521	13.7	0.0000125	0.000162
2109 Apr	78.8	0.0982	0.173	0.0046	30.7	0.0349	11.6	0.001	0.001	0.00000528	0.00474	0.000975	0.0197	0.0143	0.00000521	13.7	0.0000125	0.000162
2109 May	78.9	0.0982	0.173	0.0046	30.7	0.0348	11.6	0.001	0.001	0.00000528	0.00475	0.000976	0.0197	0.0143	0.00000521	13.7	0.0000126	0.000163
2109 Jun	78.9	0.0981	0.172	0.00459	30.7	0.0348	11.6	0.001	0.001	0.00000528	0.00475	0.000978	0.0197	0.0144	0.00000521	13.7	0.0000126	0.000163
2109 Jul	79	0.0981	0.172	0.00459	30.7	0.0349	11.6	0.00101	0.00101	0.00000528	0.00476	0.000979	0.0197	0.0144	0.00000522	13.7	0.0000126	0.000163
2109 Aug	79	0.0982	0.172	0.0046	30.7	0.0349	11.6	0.00101	0.00101	0.00000529	0.00477	0.00098	0.0198	0.0144	0.00000522	13.8	0.0000126	0.000164
2109 Sep	79	0.0982	0.172	0.00459	30.7	0.0349	11.6	0.00101	0.00101	0.00000529	0.00477	0.00098	0.0197	0.0144	0.00000522	13.8	0.0000126	0.000164
2109 Oct	78.8	0.098	0.172	0.00458	30.6	0.0349	11.6	0.001	0.001	0.00000528	0.00476	0.000978	0.0197	0.0144	0.00000521	13.7	0.0000126	0.000163

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2109 Nov	78.8	0.098	0.172	0.00458	30.6	0.0349	11.6	0.001	0.001	0.00000528	0.00476	0.000978	0.0197	0.0144	0.00000521	13.7	0.0000126	0.000163
2109 Dec	78.8	0.098	0.172	0.00458	30.6	0.0349	11.6	0.001	0.001	0.00000528	0.00476	0.000979	0.0197	0.0144	0.00000521	13.7	0.0000126	0.000163
2110 Jan	78.8	0.098	0.172	0.00458	30.6	0.0349	11.6	0.001	0.001	0.00000528	0.00476	0.000979	0.0197	0.0144	0.00000521	13.7	0.0000126	0.000163
2110 Feb	78.8	0.098	0.172	0.00458	30.6	0.0349	11.6	0.001	0.001	0.00000528	0.00476	0.000979	0.0197	0.0144	0.00000521	13.7	0.0000126	0.000163
2110 Mar	78.8	0.098	0.172	0.00458	30.6	0.0349	11.6	0.001	0.001	0.00000528	0.00476	0.000979	0.0197	0.0144	0.00000521	13.7	0.0000126	0.000163
2110 Apr	78.8	0.098	0.172	0.00458	30.6	0.0349	11.6	0.001	0.001	0.00000528	0.00476	0.000979	0.0197	0.0144	0.00000521	13.7	0.0000126	0.000163
2110 May	78.8	0.0981	0.172	0.00458	30.6	0.0349	11.6	0.00101	0.00101	0.00000528	0.00477	0.00098	0.0197	0.0144	0.00000521	13.7	0.0000126	0.000163
2110 Jun	78.6	0.0977	0.171	0.00456	30.5	0.0347	11.5	0.001	0.001	0.00000527	0.00476	0.00098	0.0196	0.0145	0.0000052	13.8	0.0000126	0.000164
2110 Jul	78.7	0.0978	0.171	0.00456	30.5	0.0348	11.5	0.001	0.001	0.00000527	0.00477	0.000981	0.0196	0.0145	0.00000521	13.8	0.0000126	0.000164
2110 Aug	78.5	0.0974	0.17	0.00455	30.4	0.0347	11.5	0.001	0.001	0.00000526	0.00476	0.000979	0.0196	0.0145	0.0000052	13.8	0.0000126	0.000164
2110 Sep	78.3	0.0972	0.17	0.00453	30.3	0.0347	11.5	0.001	0.001	0.00000525	0.00476	0.000978	0.0195	0.0144	0.00000519	13.7	0.0000125	0.000164
2110 Oct	78.1	0.0971	0.169	0.00452	30.3	0.0346	11.4	0.000999	0.000999	0.00000525	0.00476	0.000976	0.0195	0.0144	0.00000518	13.7	0.0000125	0.000163
2110 Nov	78.1	0.0971	0.169	0.00452	30.2	0.0346	11.4	0.000999	0.000999	0.00000524	0.00476	0.000976	0.0195	0.0144	0.00000518	13.7	0.0000125	0.000163
2110 Dec	78.1	0.0971	0.169	0.00452	30.2	0.0346	11.4	0.000999	0.000999	0.00000524	0.00476	0.000976	0.0195	0.0144	0.00000518	13.7	0.0000125	0.000163
2111 Jan	78.1	0.0971	0.169	0.00452	30.2	0.0346	11.4	0.000999	0.000999	0.00000524	0.00476	0.000976	0.0195	0.0144	0.00000518	13.7	0.0000125	0.000163
2111 Feb	78.1	0.0971	0.169	0.00452	30.2	0.0346	11.4	0.000999	0.000999	0.00000524	0.00476	0.000976	0.0195	0.0144	0.00000518	13.7	0.0000125	0.000163
2111 Mar	78.1	0.0971	0.169	0.00452	30.2	0.0346	11.4	0.000999	0.000999	0.00000524	0.00476	0.000976	0.0195	0.0144	0.00000518	13.7	0.0000125	0.000163
2111 Apr	78.1	0.0971	0.169	0.00452	30.3	0.0346	11.4	0.000999	0.000999	0.00000525	0.00476	0.000976	0.0195	0.0144	0.00000518	13.7	0.0000125	0.000163
2111 May	78.2	0.0971	0.169	0.00452	30.3	0.0347	11.4	0.001	0.001	0.00000525	0.00476	0.000978	0.0195	0.0144	0.00000518	13.7	0.0000125	0.000164
2111 Jun	78.1	0.0969	0.168	0.0045	30.2	0.0346	11.4	0.000998	0.000998	0.00000524	0.00476	0.000979	0.0194	0.0145	0.00000518	13.8	0.0000126	0.000164
2111 Jul	78.3	0.0971	0.169	0.00451	30.3	0.0346	11.4	0.001	0.001	0.00000525	0.00478	0.000981	0.0195	0.0145	0.00000519	13.8	0.0000126	0.000165
2111 Aug	78.2	0.097	0.168	0.0045	30.2	0.0346	11.4	0.001	0.001	0.00000525	0.00477	0.000981	0.0194	0.0145	0.00000518	13.8	0.0000126	0.000165
2111 Sep	78.1	0.0969	0.168	0.0045	30.2	0.0346	11.4	0.001	0.001	0.00000525	0.00477	0.000981	0.0194	0.0145	0.00000518	13.8	0.0000126	0.000165
2111 Oct	78	0.0968	0.168	0.00449	30.1	0.0346	11.4	0.000999	0.000999	0.00000524	0.00477	0.000979	0.0194	0.0145	0.00000518	13.8	0.0000125	0.000164
2111 Nov	77.9	0.0967	0.168	0.00448	30.1	0.0346	11.4	0.000998	0.000998	0.00000524	0.00477	0.000979	0.0194	0.0145	0.00000517	13.8	0.0000125	0.000164
2111 Dec	77.9	0.0967	0.168	0.00448	30.1	0.0346	11.4	0.000998	0.000998	0.00000524	0.00477	0.000979	0.0194	0.0145	0.00000517	13.8	0.0000125	0.000164
2112 Jan	77.9	0.0967	0.168	0.00448	30.1	0.0346	11.4	0.000998	0.000998	0.00000524	0.00477	0.000979	0.0194	0.0145	0.00000517	13.8	0.0000125	0.000164
2112 Feb	77.9	0.0967	0.168	0.00448	30.1	0.0346	11.4	0.000998	0.000998	0.00000524	0.00477	0.000979	0.0194	0.0145	0.00000517	13.8	0.0000125	0.000164
2112 Mar	77.9	0.0967	0.168	0.00448	30.1	0.0346	11.4	0.000998	0.000998	0.00000524	0.00477	0.000979	0.0194	0.0145	0.00000517	13.8	0.0000125	0.000164
2112 Apr	77.9	0.0968	0.168	0.00448	30.1	0.0346	11.4	0.000998	0.000998	0.00000524	0.00477	0.000979	0.0194	0.0145	0.00000517	13.8	0.0000125	0.000164
2112 May	78	0.0968	0.168	0.00448	30.1	0.0346	11.4	0.000999	0.000999	0.00000524	0.00478	0.00098	0.0194	0.0145	0.00000518	13.8	0.0000126	0.000165
2112 Jun	77.7	0.0962	0.166	0.00445	29.9	0.0344	11.3	0.000994	0.000994	0.00000522	0.00477	0.000979	0.0193	0.0146	0.00000515	13.8	0.0000125	0.000165
2112 Jul	77.7	0.0962	0.166	0.00445	29.9	0.0344	11.3	0.000995	0.000995	0.00000522	0.00477	0.00098	0.0193	0.0146	0.00000516	13.8	0.0000126	0.000165
2112 Aug	77.8	0.0963	0.166	0.00445	30	0.0345	11.3	0.000997	0.000997	0.00000523	0.00478	0.000981	0.0193	0.0146	0.00000517	13.8	0.0000126	0.000165
2112 Sep	77.8	0.0963	0.166	0.00445	30	0.0345	11.3	0.000997	0.000997	0.00000523	0.00478	0.000982	0.0193	0.0146	0.00000517	13.8	0.0000126	0.000166
2112 Oct	77.8	0.0963	0.166	0.00445	29.9	0.0345	11.3	0.000997	0.000997	0.00000523	0.00478	0.000981	0.0193	0.0146	0.00000517	13.8	0.0000126	0.000165
2112 Nov	77.8	0.0963	0.166	0.00445	29.9	0.0345	11.3	0.000997	0.000997	0.00000523	0.00478	0.000981	0.0193	0.0146	0.00000517	13.8	0.0000126	0.000165
2112 Dec	77.8	0.0963	0.166	0.00445	29.9	0.0345	11.3	0.000997	0.000997	0.00000523	0.00478	0.000981	0.0193	0.0146	0.00000517	13.8	0.0000126	0.000165
2113 Jan	77.8	0.0963	0.166	0.00445	29.9	0.0345	11.3	0.000997	0.000997	0.00000523	0.00478	0.000981	0.0193	0.0146	0.00000517	13.8	0.0000126	0.000165
2113 Feb	77.8	0.0963	0.166	0.00445	29.9	0.0345	11.3	0.000997	0.000997	0.00000523	0.00478	0.000981	0.0193	0.0146	0.00000517	13.8	0.0000126	0.000165
2113 Mar	77.8	0.0963	0.166	0.00445	30	0.0345	11.3	0.000997	0.000997	0.00000523	0.00478	0.000982	0.0193	0.0146	0.00000517	13.8	0.0000126	0.000166
2113 Apr	77.8	0.0963	0.166	0.00445	30	0.0345	11.3	0.000997	0.000997	0.00000523	0.00478	0.000982	0.0193	0.0146	0.00000517	13.8	0.0000126	0.000166
2113 May	77.8	0.0964	0.166	0.00445	30	0.0345	11.3	0.000998	0.000998	0.00000523	0.00479	0.000983	0.0193	0.0146	0.00000517	13.9	0.0000126	0.000166
2113 Jun	77.7	0.0961	0.166	0.00444	29.9	0.0344	11.3	0.000996	0.000996	0.00000523	0.00479	0.000984	0.0192	0.0147	0.00000516	13.9	0.0000126	0.000166
2113 Jul	77.9	0.0962	0.166	0.00444	29.9	0.0345	11.3	0.000998	0.000998	0.00000524	0.0048	0.000985	0.0193	0.0147	0.00000517	13.9	0.0000126	0.000167
2113 Aug	77.9	0.0963	0.166	0.00445	30	0.0345	11.3	0.000999	0.000999	0.00000524	0.0048	0.000987	0.0193	0.0147	0.00000518	13.9	0.0000126	0.000167
2113 Sep	77.9	0.0963	0.166	0.00444	29.9	0.0345	11.3	0.000999	0.000999	0.00000524	0.0048	0.000986	0.0193	0.0147	0.00000518	13.9	0.0000126	0.000167
2113 Oct	77.7	0.0961	0.165	0.00443	29.9	0.0344	11.3	0.000997	0.000997	0.00000523	0.0048	0.000984	0.0192	0.0147	0.00000517	13.9	0.0000126	0.000166
2113 Nov	77.7	0.0961	0.165	0.00442	29.8	0.0344	11.3	0.000997	0.000997	0.00000523	0.0048	0.000984	0.0192	0.0147	0.00000516	13.9	0.0000126	0.000166
2113 Dec	77.7	0.0961	0.165	0.00442	29.8	0.0344	11.3	0.000997	0.000997	0.00000523	0.0048	0.000984	0.0192	0.0147	0.00000516	13.9	0.0000126	0.000166
2114 Jan	77.7	0.0961	0.165	0.00442	29.8	0.0344	11.3	0.000997	0.000997	0.00000523	0.0048	0.000984	0.0192	0.0147	0.00000516	13.9	0.0000126	0.000166
2114 Feb	77.7	0.0961	0.165	0.00442	29.8	0.0344	11.3	0.000997	0.000997	0.00000523	0.0048	0.000984	0.0192	0.0147	0.00000516	13.9	0.0000126	0.000166
2114 Mar	77.7	0.0961	0.165	0.00443	29.8	0.0344	11.3	0.000997	0.000997	0.00000523	0.0048	0.000984	0.0192	0.0147	0.00000516	13.9	0.0000126	0.000166
2114 Apr	77.7	0.0961	0.165	0.00443	29.8	0.0344	11.3	0.000997	0.000997	0.00000523	0.0048	0.000985	0.0192	0.0147	0.00000517	13.9	0.0000126	0.000166
2114 May	77.7	0.0961	0.165	0.00442	29.8	0.0344	11.3	0.000997	0.000997	0.00000523	0.0048	0.000985	0.0192	0.0147	0.00000516	13.9	0.0000126	0.000167
2114 Jun	77.7	0.096	0.165	0.00441	29.8	0.0344	11.3	0.000997	0.000997	0.00000523	0.00481	0.000987	0.0192	0.0148	0.00000517	14	0.0000126	0.000167
2114 Jul	77.9	0.0962	0.165	0.00443	29.9	0.0345	11.3	0.001	0.001	0.00000524	0.00482	0.00099	0.0192	0.0148	0.00000518	14	0.0000127	0.000168
2114 Aug	78.1	0.0965	0.165	0.00444	30	0.0346	11.3	0.001	0.001	0.00000526	0.00483	0.000992	0.0193	0.0149	0.00000519	14	0.0000127	0.000168
2114 Sep	78	0.0964	0.165	0.00443	29.9	0.0346	11.3	0.001	0.001	0.00000525	0.00483	0.000992	0.0193	0.0148	0.00000519	14	0.0000127	0.000168
2114 Oct	77.9	0.0963	0.165	0.00442	29.9	0.0345	11.3	0.001	0.001	0.00000525	0.00483	0.000991	0.0192	0.0148	0.00000518	14	0.0000127	0.000168
2114 Nov	77.8	0.0962	0.165	0.00441	29.8	0.0345	11.3	0.000999	0.000999	0.00000524	0.00483	0.00099	0.0192	0.0148	0.00000518	14	0.0000127	0.000168
2114 Dec	77.8	0.0962	0.165	0.00441	29.8	0.0345	11.3	0.000999	0.000999	0.00000524	0.00483	0.00099	0.0192	0.0148	0.00000518	14	0.0000127	0.000168
2115 Jan	77.8	0.0962	0.165	0.00441	29.8	0.0345	11.3	0.000999	0.000999	0.00000524	0.00483	0.00099	0.0192	0.0148	0.00000518	14	0.0000127	0.000168
2115 Feb	77.8	0.0962	0.165	0.00441	29.8	0.0345	11.3	0.000999	0.000999	0.00000524	0.00483	0.00099	0.0192	0.0148	0.00000518	14	0.0000127	0.000168
2115 Mar	77.8	0.0962	0.165	0.00441	29.8	0.0345	11.3	0.000999	0.000999	0.00000524	0.00483	0.00099	0.0192	0.0148	0.00000518	14	0.0000127	0.000168
2115 Apr	77.8	0.0963	0.165	0.00442	29.8	0.0345	11.3	0.001	0.001	0.00000524	0.00483	0.00099	0.0192	0.0148	0.00000518	14	0.0000127	0.000168
2115 May	77.8	0.0962	0.164	0.00441	29.8	0.0345	11.3	0.001	0.001	0.00000524	0.00483	0.000991	0.0192	0.0149	0.00000518	14	0.0000127	0.000168
2115 Jun	77.9	0.0963	0.164	0.00441	29.9	0.0345	11.3	0.001	0.001	0.00000525	0.00484	0.000994	0.0192	0.0149	0.00000518	14.1	0.0000127	0.000169
2115 Jul	78.1	0.0965	0.165	0.00442	29.9	0.0346	11.3	0.001	0.001	0.00000526	0.00485	0.000996	0.0192	0.0149	0.0000052	14.1	0.0000127	0.000169
2115 Aug	78	0.0963	0.164	0.00441	29.9	0.0346	11.3	0.001	0.001	0.00000526	0.00485	0.000995	0.0192	0.0149	0.00000519	14.1	0.0000127	0.000169
2115 Sep	78	0.0963	0.164	0.00441	29.9	0.0346	11.3	0.001	0.001	0.00000526	0.00485	0.000995	0.0192	0.0149	0.00000519	14.1	0.0000127	0.000169
2115 Oct	78	0.0963	0.164	0.00441	29.8	0.0346	11.3	0.001	0.001	0.00000525	0.00485	0.000995	0.0192	0.0149	0.00000519	14.1	0.0000127	0.000169
2115 Nov	77.9	0.0963	0.164	0.00441	29.8	0.0346	11.3	0.001	0.001	0.00000525	0.00485	0.000995	0.0192	0.0149	0.00000519	14.1	0.0000127	0.000169

Appendix D.3-3: WES Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2115 Dec	77.9	0.0963	0.164	0.00441	29.8	0.0346	11.3	0.001	0.001	0.00000525	0.00485	0.000995	0.0192	0.0149	0.00000519	14.1	0.0000127	0.000169
2116 Jan	77.9	0.0963	0.164	0.00441	29.8	0.0346	11.3	0.001	0.001	0.00000525	0.00485	0.000995	0.0192	0.0149	0.00000519	14.1	0.0000127	0.000169
2116 Feb	77.9	0.0963	0.164	0.00441	29.8	0.0346	11.3	0.001	0.001	0.00000525	0.00485	0.000995	0.0192	0.0149	0.00000519	14.1	0.0000127	0.000169
2116 Mar	77.9	0.0963	0.164	0.00441	29.8	0.0346	11.3	0.001	0.001	0.00000525	0.00485	0.000995	0.0192	0.0149	0.00000519	14.1	0.0000127	0.000169
2116 Apr	77.9	0.0963	0.164	0.00441	29.8	0.0346	11.3	0.001	0.001	0.00000525	0.00485	0.000995	0.0192	0.0149	0.00000519	14.1	0.0000127	0.000169
2116 May	78	0.0963	0.164	0.00441	29.8	0.0346	11.3	0.001	0.001	0.00000526	0.00485	0.000996	0.0192	0.015	0.00000519	14.1	0.0000127	0.000169
2116 Jun	77.7	0.0958	0.163	0.00438	29.7	0.0344	11.2	0.000999	0.000999	0.00000524	0.00485	0.000996	0.0191	0.015	0.00000518	14.1	0.0000127	0.00017
2116 Jul	77.9	0.096	0.163	0.00439	29.8	0.0345	11.2	0.001	0.001	0.00000525	0.00486	0.000998	0.0191	0.015	0.00000519	14.2	0.0000128	0.00017
2116 Aug	78.1	0.0962	0.164	0.0044	29.8	0.0346	11.2	0.001	0.001	0.00000526	0.00487	0.001	0.0192	0.0151	0.0000052	14.2	0.0000128	0.000171
2116 Sep	77.9	0.0961	0.163	0.00439	29.8	0.0346	11.2	0.001	0.001	0.00000525	0.00487	0.000999	0.0192	0.015	0.00000519	14.2	0.0000128	0.00017
2116 Oct	77.8	0.096	0.163	0.00438	29.7	0.0345	11.2	0.001	0.001	0.00000525	0.00487	0.000998	0.0191	0.015	0.00000519	14.2	0.0000128	0.00017
2116 Nov	77.8	0.096	0.163	0.00438	29.7	0.0345	11.2	0.001	0.001	0.00000525	0.00487	0.000998	0.0191	0.015	0.00000519	14.2	0.0000128	0.00017
2116 Dec	77.8	0.096	0.163	0.00438	29.7	0.0345	11.2	0.001	0.001	0.00000525	0.00487	0.000998	0.0191	0.015	0.00000519	14.2	0.0000128	0.00017
2117 Jan	77.8	0.096	0.163	0.00438	29.7	0.0345	11.2	0.001	0.001	0.00000525	0.00487	0.000998	0.0191	0.015	0.00000519	14.2	0.0000128	0.00017
2117 Feb	77.8	0.096	0.163	0.00438	29.7	0.0345	11.2	0.001	0.001	0.00000525	0.00487	0.000998	0.0191	0.015	0.00000519	14.2	0.0000128	0.00017
2117 Mar	77.8	0.096	0.163	0.00438	29.7	0.0345	11.2	0.001	0.001	0.00000525	0.00487	0.000998	0.0191	0.015	0.00000519	14.2	0.0000128	0.00017
2117 Apr	77.8	0.0961	0.163	0.00438	29.7	0.0345	11.2	0.001	0.001	0.00000525	0.00487	0.000998	0.0191	0.015	0.00000519	14.2	0.0000128	0.00017
2117 May	77.9	0.0961	0.163	0.00438	29.7	0.0345	11.2	0.001	0.001	0.00000525	0.00487	0.001	0.0191	0.0151	0.00000519	14.2	0.0000128	0.000171
2117 Jun	77.9	0.096	0.162	0.00437	29.7	0.0345	11.2	0.001	0.001	0.00000525	0.00488	0.001	0.0191	0.0151	0.00000519	14.2	0.0000128	0.000171
2117 Jul	78.1	0.0962	0.163	0.00438	29.8	0.0346	11.2	0.001	0.001	0.00000526	0.00489	0.001	0.0191	0.0151	0.0000052	14.2	0.0000128	0.000171
2117 Aug	78.1	0.0963	0.163	0.00438	29.8	0.0346	11.2	0.00101	0.00101	0.00000527	0.0049	0.001	0.0192	0.0152	0.00000521	14.3	0.0000128	0.000172
2117 Sep	78.2	0.0963	0.163	0.00438	29.8	0.0347	11.2	0.00101	0.00101	0.00000527	0.0049	0.00101	0.0192	0.0152	0.00000521	14.3	0.0000128	0.000172
2117 Oct	78.1	0.0963	0.163	0.00438	29.8	0.0346	11.2	0.00101	0.00101	0.00000527	0.0049	0.001	0.0192	0.0152	0.00000521	14.3	0.0000128	0.000172
2117 Nov	78.1	0.0963	0.163	0.00438	29.8	0.0346	11.2	0.00101	0.00101	0.00000527	0.0049	0.001	0.0191	0.0152	0.00000521	14.3	0.0000128	0.000172
2117 Dec	78.1	0.0963	0.163	0.00438	29.8	0.0346	11.2	0.00101	0.00101	0.00000527	0.0049	0.001	0.0191	0.0152	0.00000521	14.3	0.0000128	0.000172
2118 Jan	78.1	0.0963	0.163	0.00438	29.8	0.0346	11.2	0.00101	0.00101	0.00000527	0.0049	0.001	0.0191	0.0152	0.00000521	14.3	0.0000128	0.000172
2118 Feb	78.1	0.0963	0.163	0.00438	29.8	0.0346	11.2	0.00101	0.00101	0.00000527	0.0049	0.001	0.0191	0.0152	0.00000521	14.3	0.0000128	0.000172
2118 Mar	78.1	0.0963	0.163	0.00438	29.8	0.0346	11.2	0.00101	0.00101	0.00000527	0.0049	0.001	0.0191	0.0152	0.00000521	14.3	0.0000128	0.000172
2118 Apr	78.1	0.0963	0.163	0.00438	29.8	0.0347	11.2	0.00101	0.00101	0.00000527	0.0049	0.001	0.0192	0.0152	0.00000521	14.3	0.0000128	0.000172
2118 May	78.1	0.0962	0.162	0.00437	29.7	0.0346	11.2	0.00101	0.00101	0.00000527	0.0049	0.00101	0.0191	0.0152	0.0000052	14.3	0.0000128	0.000172
2118 Jun	77.9	0.0959	0.161	0.00435	29.6	0.0345	11.2	0.001	0.001	0.00000525	0.00489	0.00101	0.019	0.0153	0.00000519	14.3	0.0000128	0.000173
2118 Jul	78.1	0.0961	0.162	0.00436	29.7	0.0346	11.2	0.00101	0.00101	0.00000527	0.00491	0.00101	0.0191	0.0153	0.00000521	14.4	0.0000129	0.000173
2118 Aug	78.1	0.0961	0.162	0.00436	29.7	0.0346	11.2	0.00101	0.00101	0.00000527	0.00491	0.00101	0.0191	0.0153	0.00000521	14.4	0.0000129	0.000173
2118 Sep	77.9	0.0959	0.161	0.00434	29.6	0.0345	11.2	0.001	0.001	0.00000526	0.0049	0.00101	0.019	0.0153	0.0000052	14.3	0.0000129	0.000173
2118 Oct	77.7	0.0957	0.161	0.00433	29.5	0.0345	11.1	0.001	0.001	0.00000525	0.0049	0.00101	0.019	0.0152	0.00000519	14.3	0.0000128	0.000173
2118 Nov	77.7	0.0957	0.161	0.00433	29.5	0.0345	11.1	0.001	0.001	0.00000525	0.0049	0.00101	0.019	0.0152	0.00000519	14.3	0.0000128	0.000173
2118 Dec	77.7	0.0957	0.161	0.00433	29.5	0.0345	11.1	0.001	0.001	0.00000525	0.0049	0.00101	0.019	0.0152	0.00000519	14.3	0.0000128	0.000173
2119 Jan	77.7	0.0957	0.161	0.00433	29.5	0.0345	11.1	0.001	0.001	0.00000525	0.0049	0.00101	0.019	0.0152	0.00000519	14.3	0.0000128	0.000173
2119 Feb	77.7	0.0957	0.161	0.00433	29.5	0.0345	11.1	0.001	0.001	0.00000525	0.0049	0.00101	0.019	0.0152	0.00000519	14.3	0.0000128	0.000173
2119 Mar	77.7	0.0957	0.161	0.00433	29.5	0.0345	11.1	0.001	0.001	0.00000525	0.0049	0.00101	0.019	0.0152	0.00000519	14.3	0.0000128	0.000173
2119 Apr	77.8	0.0958	0.161	0.00433	29.5	0.0345	11.1	0.001	0.001	0.00000525	0.0049	0.00101	0.019	0.0153	0.00000519	14.3	0.0000128	0.000173
2119 May	77.8	0.0956	0.16	0.00432	29.5	0.0344	11.1	0.001	0.001	0.00000524	0.0049	0.00101	0.0189	0.0154	0.00000518	14.4	0.0000128	0.000174
2119 Jun	77.7	0.0955	0.16	0.00431	29.4	0.0344	11.1	0.001	0.001	0.00000524	0.0049	0.00101	0.0189	0.0154	0.00000518	14.4	0.0000129	0.000174
2119 Jul	77.9	0.0957	0.16	0.00432	29.5	0.0345	11.1	0.001	0.001	0.00000525	0.00492	0.00101	0.019	0.0154	0.00000519	14.4	0.0000129	0.000174
2119 Aug	78	0.0958	0.16	0.00432	29.5	0.0345	11.1	0.001	0.001	0.00000526	0.00492	0.00101	0.019	0.0154	0.0000052	14.4	0.0000129	0.000174
2119 Sep	77.9	0.0957	0.16	0.00431	29.5	0.0345	11.1	0.001	0.001	0.00000525	0.00492	0.00101	0.019	0.0154	0.00000519	14.4	0.0000129	0.000174
2119 Oct	77.8	0.0956	0.16	0.00431	29.5	0.0345	11.1	0.001	0.001	0.00000525	0.00492	0.00101	0.0189	0.0154	0.00000519	14.4	0.0000129	0.000174
2119 Nov	77.7	0.0956	0.16	0.0043	29.4	0.0344	11.1	0.001	0.001	0.00000525	0.00492	0.00101	0.0189	0.0154	0.00000519	14.4	0.0000129	0.000174
2119 Dec	77.7	0.0956	0.16	0.0043	29.4	0.0344	11.1	0.001	0.001	0.00000525	0.00492	0.00101	0.0189	0.0154	0.00000519	14.4	0.0000129	0.000174

Appendix D.3-3: WES Pit Lake

Constituents	**Chromium**	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**	**Radium 226**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Bq/L
Post Closure (2051-2119): Min	0.000117	0.000979	0.0181	0.00000281	1.35	2.32	0.0146	0.000267	12.5	0.00163	0.00532	0.0000458	0.000185	0.0000965	0.0851	0.00000283	0.0000772	0.000159	0.000958	0.000242
Post Closure (2051-2119): Mean	0.000163	0.000997	0.0451	0.00000436	1.4	2.46	0.0227	0.000272	14.4	0.00169	0.00648	0.000126	0.000192	0.0000997	0.0918	0.00000304	0.0000785	0.000278	0.00112	0.000309
Post Closure (2051-2119): Max	0.000208	0.00101	0.0697	0.0000057	1.44	2.59	0.0304	0.000279	16.6	0.00175	0.00751	0.000201	0.000196	0.000103	0.0982	0.00000324	0.0000799	0.000384	0.00125	0.000383
Water quality guideline for the protection of aquatic life	***0.005***	***variable***	***1.06***	***0.000026***	***-***	***-***	***variable***	***0.073***	***-***	***variable***	***0.01***	***variable***	***0.009***	***0.001***	***-***	***0.0008***	***0.015***	***-***	***variable***	***-***
Note: Calculation of mean excludes zero values; Values hig																				
Model Predictions																				
2051 Jan	0.000117	0.000985	0.0181	0.00000281	1.36	2.34	0.0146	0.000269	16.5	0.00175	0.00532	0.0000458	0.000194	0.000103	0.0855	0.00000324	0.0000796	0.000159	0.000958	0.000383
2051 Feb	0.000117	0.000985	0.0181	0.00000281	1.36	2.34	0.0146	0.000269	16.5	0.00175	0.00532	0.0000458	0.000194	0.000103	0.0855	0.00000324	0.0000796	0.000159	0.000958	0.000383
2051 Mar	0.000117	0.000985	0.0181	0.00000281	1.36	2.34	0.0146	0.000269	16.5	0.00175	0.00532	0.0000458	0.000194	0.000103	0.0855	0.00000324	0.0000796	0.000159	0.000958	0.000383
2051 Apr	0.000117	0.000985	0.0181	0.00000281	1.36	2.34	0.0146	0.000269	16.5	0.00175	0.00532	0.0000458	0.000194	0.000103	0.0855	0.00000324	0.0000797	0.000159	0.000958	0.000383
2051 May	0.000117	0.000985	0.0182	0.00000281	1.36	2.34	0.0147	0.000269	16.6	0.00175	0.00533	0.0000459	0.000194	0.000103	0.0856	0.00000324	0.0000797	0.00016	0.000959	0.000383
2051 Jun	0.000117	0.000982	0.0187	0.00000284	1.35	2.33	0.0148	0.000267	16.4	0.00174	0.00533	0.0000477	0.000194	0.000103	0.0854	0.00000323	0.0000794	0.000162	0.000961	0.00038
2051 Jul	0.000117	0.000982	0.0188	0.00000285	1.35	2.33	0.0148	0.000267	16.4	0.00174	0.00534	0.0000477	0.000194	0.000103	0.0854	0.00000323	0.0000794	0.000163	0.000963	0.00038
2051 Aug	0.000117	0.000982	0.0188	0.00000285	1.35	2.33	0.0148	0.000267	16.4	0.00174	0.00535	0.0000478	0.000194	0.000103	0.0854	0.00000323	0.0000794	0.000163	0.000963	0.00038
2051 Sep	0.000117	0.000981	0.0189	0.00000286	1.35	2.33	0.0148	0.000267	16.4	0.00174	0.00535	0.0000477	0.000194	0.000103	0.0853	0.00000323	0.0000793	0.000163	0.000963	0.000379
2051 Oct	0.000117	0.000979	0.019	0.00000286	1.35	2.32	0.0147	0.000267	16.4	0.00174	0.00535	0.0000475	0.000193	0.000102	0.0851	0.00000322	0.0000792	0.000162	0.000961	0.000378
2051 Nov	0.000117	0.000979	0.019	0.00000287	1.35	2.32	0.0147	0.000268	16.4	0.00174	0.00535	0.0000475	0.000193	0.000102	0.0851	0.00000322	0.0000792	0.000162	0.000961	0.000378
2051 Dec	0.000117	0.000979	0.019	0.00000287	1.35	2.32	0.0147	0.000268	16.4	0.00174	0.00535	0.0000475	0.000193	0.000102	0.0851	0.00000322	0.0000792	0.000162	0.000961	0.000378
2052 Jan	0.000117	0.000979	0.019	0.00000287	1.35	2.32	0.0147	0.000268	16.4	0.00174	0.00535	0.0000475	0.000193	0.000102	0.0851	0.00000322	0.0000792	0.000162	0.000961	0.000378
2052 Feb	0.000117	0.000979	0.019	0.00000287	1.35	2.32	0.0147	0.000268	16.4	0.00174	0.00535	0.0000475	0.000193	0.000102	0.0851	0.00000322	0.0000792	0.000162	0.000961	0.000378
2052 Mar	0.000117	0.000979	0.019	0.00000287	1.35	2.32	0.0147	0.000268	16.4	0.00174	0.00535	0.0000475	0.000193	0.000102	0.0851	0.00000322	0.0000792	0.000162	0.000961	0.000378
2052 Apr	0.000117	0.000979	0.019	0.00000287	1.35	2.32	0.0147	0.000268	16.4	0.00174	0.00535	0.0000475	0.000193	0.000102	0.0851	0.00000322	0.0000792	0.000162	0.000961	0.000378
2052 May	0.000117	0.00098	0.0191	0.00000287	1.35	2.33	0.0148	0.000268	16.4	0.00174	0.00535	0.0000479	0.000193	0.000102	0.0852	0.00000322	0.0000792	0.000163	0.000962	0.000378
2052 Jun	0.000118	0.00098	0.0195	0.00000289	1.35	2.33	0.0149	0.000267	16.3	0.00174	0.00536	0.0000493	0.000193	0.000102	0.0853	0.00000321	0.0000792	0.000165	0.000964	0.000376
2052 Jul	0.000118	0.00098	0.0196	0.0000029	1.35	2.33	0.0149	0.000267	16.3	0.00174	0.00537	0.0000494	0.000193	0.000102	0.0854	0.00000322	0.0000792	0.000165	0.000965	0.000377
2052 Aug	0.000118	0.000981	0.0196	0.0000029	1.35	2.33	0.015	0.000268	16.3	0.00174	0.00538	0.0000495	0.000193	0.000102	0.0854	0.00000322	0.0000793	0.000165	0.000966	0.000377
2052 Sep	0.000118	0.000981	0.0196	0.00000291	1.35	2.33	0.0149	0.000268	16.3	0.00174	0.00538	0.0000495	0.000193	0.000102	0.0854	0.00000322	0.0000793	0.000165	0.000966	0.000377
2052 Oct	0.000118	0.000981	0.0197	0.00000291	1.35	2.33	0.0149	0.000268	16.3	0.00174	0.00539	0.0000495	0.000193	0.000102	0.0854	0.00000322	0.0000793	0.000165	0.000967	0.000376
2052 Nov	0.000118	0.000982	0.0197	0.00000291	1.35	2.33	0.0149	0.000268	16.3	0.00174	0.00539	0.0000495	0.000193	0.000102	0.0854	0.00000322	0.0000793	0.000165	0.000967	0.000377
2052 Dec	0.000118	0.000982	0.0197	0.00000291	1.35	2.33	0.0149	0.000268	16.3	0.00174	0.00539	0.0000495	0.000193	0.000102	0.0854	0.00000322	0.0000793	0.000165	0.000967	0.000377
2053 Jan	0.000118	0.000982	0.0197	0.00000291	1.35	2.33	0.015	0.000268	16.3	0.00174	0.00539	0.0000495	0.000193	0.000102	0.0854	0.00000322	0.0000793	0.000165	0.000967	0.000377
2053 Feb	0.000118	0.000982	0.0197	0.00000291	1.35	2.33	0.015	0.000268	16.3	0.00174	0.00539	0.0000495	0.000193	0.000102	0.0854	0.00000322	0.0000793	0.000165	0.000967	0.000377
2053 Mar	0.000118	0.000982	0.0197	0.00000291	1.35	2.33	0.015	0.000268	16.3	0.00174	0.00539	0.0000495	0.000193	0.000102	0.0854	0.00000322	0.0000793	0.000165	0.000967	0.000377
2053 Apr	0.000118	0.000982	0.0197	0.00000291	1.35	2.33	0.015	0.000268	16.3	0.00174	0.00539	0.0000495	0.000193	0.000102	0.0855	0.00000322	0.0000793	0.000165	0.000967	0.000377
2053 May	0.000119	0.000982	0.0199	0.00000292	1.35	2.33	0.0151	0.000268	16.3	0.00174	0.0054	0.0000505	0.000193	0.000103	0.0856	0.00000322	0.0000794	0.000167	0.000968	0.000376
2053 Jun	0.00012	0.00098	0.0205	0.00000294	1.35	2.33	0.0153	0.000267	16.3	0.00173	0.0054	0.0000529	0.000193	0.000102	0.0856	0.00000321	0.0000791	0.000169	0.000969	0.000374
2053 Jul	0.00012	0.000982	0.0205	0.00000294	1.35	2.34	0.0153	0.000267	16.3	0.00174	0.00541	0.000053	0.000193	0.000102	0.0857	0.00000321	0.0000792	0.00017	0.000971	0.000374
2053 Aug	0.000121	0.000984	0.0206	0.00000295	1.36	2.34	0.0153	0.000268	16.3	0.00174	0.00543	0.0000531	0.000194	0.000103	0.0859	0.00000322	0.0000794	0.00017	0.000973	0.000375
2053 Sep	0.000121	0.000985	0.0206	0.00000296	1.36	2.34	0.0154	0.000268	16.3	0.00174	0.00543	0.0000531	0.000194	0.000103	0.086	0.00000322	0.0000795	0.00017	0.000975	0.000376
2053 Oct	0.000121	0.000986	0.0206	0.00000296	1.36	2.35	0.0154	0.000269	16.3	0.00174	0.00544	0.0000532	0.000194	0.000103	0.086	0.00000322	0.0000795	0.00017	0.000975	0.000376
2053 Nov	0.000121	0.000985	0.0206	0.00000296	1.36	2.35	0.0154	0.000269	16.3	0.00174	0.00544	0.0000532	0.000194	0.000103	0.086	0.00000322	0.0000795	0.00017	0.000975	0.000376
2053 Dec	0.000121	0.000985	0.0206	0.00000296	1.36	2.35	0.0154	0.000269	16.3	0.00174	0.00544	0.0000532	0.000194	0.000103	0.086	0.00000322	0.0000795	0.00017	0.000975	0.000376
2054 Jan	0.000121	0.000985	0.0207	0.00000296	1.36	2.35	0.0154	0.000269	16.3	0.00174	0.00544	0.0000532	0.000194	0.000103	0.086	0.00000322	0.0000795	0.00017	0.000975	0.000376
2054 Feb	0.000121	0.000986	0.0207	0.00000296	1.36	2.35	0.0154	0.000269	16.3	0.00174	0.00544	0.0000532	0.000194	0.000103	0.086	0.00000322	0.0000795	0.00017	0.000975	0.000376
2054 Mar	0.000121	0.000986	0.0207	0.00000296	1.36	2.35	0.0154	0.000269	16.3	0.00174	0.00544	0.0000532	0.000194	0.000103	0.086	0.00000322	0.0000795	0.00017	0.000975	0.000376
2054 Apr	0.000121	0.000986	0.0207	0.00000296	1.36	2.35	0.0154	0.000269	16.3	0.00174	0.00544	0.0000532	0.000194	0.000103	0.0861	0.00000322	0.0000795	0.000171	0.000975	0.000376
2054 May	0.000121	0.000986	0.0207	0.00000296	1.36	2.35	0.0154	0.000269	16.3	0.00174	0.00544	0.0000534	0.000194	0.000103	0.0861	0.00000322	0.0000796	0.000171	0.000976	0.000376
2054 Jun	0.000122	0.000984	0.0212	0.00000298	1.36	2.35	0.0156	0.000268	16.3	0.00174	0.00545	0.0000552	0.000194	0.000103	0.0861	0.00000321	0.0000793	0.000173	0.000977	0.000374
2054 Jul	0.000122	0.000983	0.0213	0.00000299	1.36	2.34	0.0155	0.000268	16.2	0.00174	0.00545	0.0000553	0.000194	0.000103	0.086	0.00000321	0.0000793	0.000173	0.000978	0.000373
2054 Aug	0.000122	0.000984	0.0213	0.000003	1.36	2.34	0.0156	0.000268	16.2	0.00174	0.00545	0.0000553	0.000194	0.000103	0.086	0.00000321	0.0000793	0.000174	0.000978	0.000373
2054 Sep	0.000122	0.000984	0.0214	0.000003	1.36	2.34	0.0156	0.000268	16.2	0.00174	0.00546	0.0000553	0.000194	0.000103	0.0861	0.00000321	0.0000793	0.000174	0.000979	0.000373
2054 Oct	0.000122	0.000984	0.0214	0.000003	1.36	2.34	0.0155	0.000268	16.2	0.00174	0.00546	0.0000553	0.000194	0.000102	0.086	0.00000321	0.0000793	0.000174	0.000978	0.000373
2054 Nov	0.000122	0.000984	0.0214	0.000003	1.36	2.34	0.0155	0.000268	16.2	0.00174	0.00546	0.0000553	0.000194	0.000102	0.086	0.00000321	0.0000793	0.000173	0.000978	0.000373
2054 Dec	0.000122	0.000984	0.0214	0.000003	1.36	2.34	0.0155	0.000268	16.2	0.00174	0.00546	0.0000553	0.000194	0.000102	0.086	0.00000321	0.0000793	0.000173	0.000978	0.000373
2055 Jan	0.000122	0.000984	0.0214	0.000003	1.36	2.34	0.0155	0.000268	16.2	0.00174	0.00546	0.0000553	0.000194	0.000102	0.086	0.00000321	0.0000793	0.000173	0.000978	0.000373
2055 Feb	0.000122	0.000984	0.0214	0.000003	1.36	2.34	0.0155	0.000268	16.2	0.00174	0.00546	0.0000553	0.000194	0.000102	0.086	0.00000321	0.0000793	0.000173	0.000978	0.000373
2055 Mar	0.000122	0.000984	0.0214	0.000003	1.36	2.34	0.0155	0.000268	16.2	0.00174	0.00546	0.0000553	0.000194	0.000102	0.086	0.00000321	0.0000793	0.000174	0.000978	0.000373
2055 Apr	0.000122	0.000984	0.0214	0.000003	1.36	2.34	0.0156	0.000268	16.2	0.00174	0.00546	0.0000553	0.000194	0.000102	0.086	0.00000321	0.0000793	0.000174	0.000979	0.000373
2055 May	0.000122	0.000984	0.0214	0.00000301	1.36	2.34	0.0156	0.000268	16.2	0.00174	0.00546	0.0000553	0.000194	0.000103	0.0861	0.00000321	0.0000794	0.000174	0.000979	0.000373
2055 Jun	0.000122	0.000981	0.0216	0.00000303	1.35	2.34	0.0155	0.000267	16.2	0.00173	0.00547	0.0000554	0.000193	0.000102	0.0858	0.0000032	0.0000791	0.000175	0.000981	0.000371
2055 Jul	0.000121	0.00098	0.0217	0.00000304	1.35	2.33	0.0155	0.000267	16.1	0.00173	0.00547	0.0000555	0.000194	0.000102	0.0857	0.0000032	0.0000791	0.000175	0.000983	0.00037
2055 Aug	0.000122	0.000982	0.0218	0.00000304	1.36	2.34	0.0156	0.000267	16.2	0.00173	0.00548	0.0000556	0.000194	0.000102	0.0858	0.0000032	0.0000792	0.000175	0.000985	0.000371
2055 Sep	0.000122	0.000982	0.0218	0.00000305	1.36	2.34	0.0156	0.000267	16.2	0.00173	0.00549	0.0000556	0.000194	0.000102	0.0858	0.0000032	0.0000792	0.000175	0.000985	0.000371
2055 Oct	0.000122	0.000982	0.0218	0.00000305	1.36	2.34	0.0156	0.000268	16.2	0.00173	0.00549	0.0000556	0.000194	0.000102	0.0859	0.0000032	0.0000792	0.000175	0.000985	0.000371
2055 Nov	0.000122	0.000982	0.0218	0.00000305	1.36	2.34	0.0156	0.000268	16.2	0.00173	0.00549	0.0000556	0.000194	0.000102	0.0859	0.00000321	0.0000792	0.000175	0.000986	0.000371
2055 Dec	0.000122	0.000982	0.0218	0.00000305	1.36	2.34	0.0156	0.000268	16.2	0.00173	0.00549	0.0000556	0.000194	0.000102	0.0859	0.00000321	0.0000792	0.000175	0.000986	0.000371
2056 Jan	0.000122	0.000982	0.0218	0.00000305	1.36	2.34	0.0156	0.000268	16.2	0.00173	0.00549	0.0000556	0.000194	0.000102	0.0859	0.00000321	0.0000792	0.000175	0.000986	0.000371
2056 Feb	0.000122	0.000982	0.0218	0.00000305	1.36	2.34	0.0156	0.000268	16.2	0.00173	0.00549	0.0000556	0.000194	0.000102	0.0859	0.00000321	0.0000792	0.000175	0.000986	0.000371

Appendix D.3-3: WES Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2056 Mar	0.000122	0.000982	0.0218	0.00000305	1.36	2.34	0.0156	0.000268	16.2	0.00173	0.00549	0.0000556	0.000194	0.000102	0.0859	0.00000321	0.0000792	0.000175	0.000986	0.000371
2056 Apr	0.000122	0.000983	0.0218	0.00000305	1.36	2.34	0.0156	0.000268	16.2	0.00174	0.00549	0.0000556	0.000194	0.000102	0.0859	0.00000321	0.0000792	0.000175	0.000986	0.000371
2056 May	0.000122	0.000983	0.022	0.00000306	1.36	2.34	0.0156	0.000268	16.2	0.00174	0.0055	0.0000563	0.000194	0.000102	0.086	0.00000321	0.0000793	0.000176	0.000987	0.000371
2056 Jun	0.000123	0.000982	0.0225	0.00000308	1.36	2.34	0.0159	0.000267	16.1	0.00173	0.0055	0.0000586	0.000194	0.000102	0.086	0.0000032	0.0000791	0.000179	0.000988	0.000369
2056 Jul	0.000124	0.000983	0.0226	0.00000308	1.36	2.34	0.0159	0.000267	16.1	0.00173	0.00552	0.0000587	0.000194	0.000102	0.0862	0.0000032	0.0000792	0.00018	0.00099	0.000369
2056 Aug	0.000124	0.000984	0.0227	0.00000309	1.36	2.35	0.0159	0.000268	16.1	0.00174	0.00552	0.0000588	0.000194	0.000102	0.0863	0.0000032	0.0000793	0.00018	0.000991	0.000369
2056 Sep	0.000124	0.000985	0.0227	0.0000031	1.36	2.35	0.0159	0.000268	16.1	0.00174	0.00553	0.0000588	0.000194	0.000102	0.0864	0.00000321	0.0000794	0.00018	0.000992	0.00037
2056 Oct	0.000124	0.000985	0.0227	0.0000031	1.36	2.35	0.0159	0.000268	16.1	0.00174	0.00553	0.0000588	0.000194	0.000102	0.0863	0.00000321	0.0000793	0.00018	0.000992	0.000369
2056 Nov	0.000124	0.000985	0.0227	0.0000031	1.36	2.35	0.0159	0.000268	16.1	0.00174	0.00553	0.0000588	0.000194	0.000102	0.0863	0.00000321	0.0000793	0.00018	0.000992	0.000369
2056 Dec	0.000124	0.000985	0.0227	0.0000031	1.36	2.35	0.0159	0.000268	16.1	0.00174	0.00553	0.0000588	0.000194	0.000102	0.0863	0.00000321	0.0000793	0.00018	0.000992	0.000369
2057 Jan	0.000124	0.000985	0.0227	0.0000031	1.36	2.35	0.0159	0.000268	16.1	0.00174	0.00553	0.0000588	0.000194	0.000102	0.0863	0.00000321	0.0000793	0.00018	0.000992	0.000369
2057 Feb	0.000124	0.000985	0.0227	0.0000031	1.36	2.35	0.0159	0.000268	16.1	0.00174	0.00553	0.0000588	0.000194	0.000102	0.0863	0.00000321	0.0000793	0.00018	0.000992	0.000369
2057 Mar	0.000124	0.000985	0.0227	0.0000031	1.36	2.35	0.0159	0.000268	16.1	0.00174	0.00553	0.0000588	0.000194	0.000102	0.0863	0.00000321	0.0000793	0.00018	0.000992	0.000369
2057 Apr	0.000124	0.000985	0.0227	0.0000031	1.36	2.35	0.0159	0.000268	16.1	0.00174	0.00553	0.0000588	0.000194	0.000102	0.0863	0.00000321	0.0000793	0.00018	0.000992	0.000369
2057 May	0.000124	0.000986	0.0228	0.0000031	1.36	2.35	0.0159	0.000268	16.2	0.00174	0.00554	0.000059	0.000194	0.000102	0.0864	0.00000321	0.0000794	0.00018	0.000993	0.00037
2057 Jun	0.000125	0.000983	0.0232	0.00000312	1.36	2.35	0.0161	0.000267	16.1	0.00173	0.00554	0.0000605	0.000194	0.000102	0.0863	0.0000032	0.0000792	0.000182	0.000995	0.000367
2057 Jul	0.000125	0.000984	0.0233	0.00000313	1.36	2.35	0.0161	0.000267	16.1	0.00173	0.00555	0.0000606	0.000194	0.000102	0.0864	0.0000032	0.0000792	0.000183	0.000997	0.000367
2057 Aug	0.000125	0.000987	0.0234	0.00000314	1.36	2.36	0.0161	0.000268	16.1	0.00174	0.00557	0.0000607	0.000195	0.000103	0.0866	0.00000321	0.0000795	0.000183	0.001	0.000369
2057 Sep	0.000125	0.000988	0.0234	0.00000315	1.37	2.36	0.0161	0.000268	16.1	0.00174	0.00557	0.0000608	0.000195	0.000103	0.0867	0.00000321	0.0000795	0.000183	0.001	0.000369
2057 Oct	0.000125	0.000988	0.0234	0.00000315	1.37	2.36	0.0161	0.000268	16.1	0.00174	0.00558	0.0000608	0.000195	0.000103	0.0867	0.00000321	0.0000795	0.000183	0.001	0.000369
2057 Nov	0.000125	0.000988	0.0234	0.00000315	1.37	2.36	0.0161	0.000269	16.1	0.00174	0.00558	0.0000608	0.000195	0.000103	0.0867	0.00000321	0.0000795	0.000183	0.001	0.000369
2057 Dec	0.000125	0.000988	0.0234	0.00000315	1.37	2.36	0.0161	0.000269	16.1	0.00174	0.00558	0.0000608	0.000195	0.000103	0.0867	0.00000321	0.0000795	0.000183	0.001	0.000369
2058 Jan	0.000125	0.000988	0.0234	0.00000315	1.37	2.36	0.0161	0.000269	16.1	0.00174	0.00558	0.0000608	0.000195	0.000103	0.0867	0.00000321	0.0000795	0.000183	0.001	0.000369
2058 Feb	0.000125	0.000988	0.0234	0.00000315	1.37	2.36	0.0161	0.000269	16.1	0.00174	0.00558	0.0000608	0.000195	0.000103	0.0867	0.00000321	0.0000795	0.000183	0.001	0.000369
2058 Mar	0.000125	0.000988	0.0234	0.00000315	1.37	2.36	0.0161	0.000269	16.1	0.00174	0.00558	0.0000608	0.000195	0.000103	0.0867	0.00000321	0.0000795	0.000183	0.001	0.000369
2058 Apr	0.000125	0.000988	0.0234	0.00000315	1.37	2.36	0.0161	0.000269	16.1	0.00174	0.00558	0.0000608	0.000195	0.000103	0.0867	0.00000321	0.0000795	0.000184	0.001	0.000369
2058 May	0.000126	0.000989	0.0236	0.00000316	1.37	2.36	0.0162	0.000269	16.1	0.00174	0.00559	0.0000616	0.000195	0.000103	0.0868	0.00000321	0.0000796	0.000185	0.001	0.000369
2058 Jun	0.000127	0.000986	0.0244	0.00000318	1.36	2.36	0.0165	0.000267	16	0.00173	0.00559	0.0000647	0.000195	0.000102	0.0868	0.00000319	0.0000792	0.000188	0.001	0.000365
2058 Jul	0.000127	0.000987	0.0244	0.00000318	1.37	2.36	0.0165	0.000267	16	0.00174	0.0056	0.0000648	0.000195	0.000102	0.0869	0.0000032	0.0000793	0.000189	0.001	0.000366
2058 Aug	0.000127	0.000988	0.0245	0.00000319	1.37	2.37	0.0166	0.000268	16.1	0.00174	0.00561	0.0000649	0.000195	0.000103	0.087	0.0000032	0.0000794	0.000189	0.00101	0.000366
2058 Sep	0.000127	0.000988	0.0245	0.00000319	1.37	2.37	0.0165	0.000268	16.1	0.00174	0.00561	0.0000649	0.000195	0.000103	0.087	0.0000032	0.0000794	0.000189	0.00101	0.000366
2058 Oct	0.000127	0.000988	0.0246	0.0000032	1.37	2.36	0.0165	0.000268	16.1	0.00174	0.00561	0.0000649	0.000195	0.000103	0.087	0.0000032	0.0000794	0.000189	0.00101	0.000366
2058 Nov	0.000127	0.000988	0.0246	0.0000032	1.37	2.36	0.0165	0.000268	16.1	0.00174	0.00561	0.0000649	0.000195	0.000103	0.087	0.0000032	0.0000794	0.000189	0.00101	0.000366
2058 Dec	0.000127	0.000988	0.0246	0.0000032	1.37	2.36	0.0165	0.000268	16.1	0.00174	0.00561	0.0000649	0.000195	0.000103	0.087	0.0000032	0.0000794	0.000189	0.00101	0.000366
2059 Jan	0.000127	0.000988	0.0246	0.0000032	1.37	2.36	0.0165	0.000268	16.1	0.00174	0.00561	0.0000649	0.000195	0.000103	0.087	0.0000032	0.0000794	0.000189	0.00101	0.000366
2059 Feb	0.000127	0.000988	0.0246	0.0000032	1.37	2.36	0.0165	0.000268	16.1	0.00174	0.00561	0.0000649	0.000195	0.000103	0.087	0.0000032	0.0000794	0.000189	0.00101	0.000366
2059 Mar	0.000127	0.000988	0.0246	0.0000032	1.37	2.36	0.0165	0.000268	16.1	0.00174	0.00561	0.0000649	0.000195	0.000103	0.087	0.0000032	0.0000794	0.000189	0.00101	0.000366
2059 Apr	0.000127	0.000988	0.0246	0.0000032	1.37	2.37	0.0165	0.000268	16.1	0.00174	0.00561	0.0000649	0.000195	0.000103	0.087	0.0000032	0.0000795	0.000189	0.00101	0.000366
2059 May	0.000128	0.000989	0.0247	0.0000032	1.37	2.37	0.0166	0.000268	16.1	0.00174	0.00562	0.0000654	0.000195	0.000103	0.0871	0.0000032	0.0000795	0.00019	0.00101	0.000366
2059 Jun	0.000129	0.000989	0.0251	0.00000322	1.37	2.37	0.0168	0.000268	16	0.00174	0.00563	0.0000672	0.000195	0.000103	0.0873	0.0000032	0.0000794	0.000192	0.00101	0.000365
2059 Jul	0.000129	0.000992	0.0252	0.00000323	1.37	2.38	0.0168	0.000269	16.1	0.00174	0.00565	0.0000674	0.000196	0.000103	0.0875	0.00000321	0.0000797	0.000193	0.00101	0.000366
2059 Aug	0.000129	0.000994	0.0253	0.00000324	1.38	2.38	0.0169	0.000269	16.1	0.00175	0.00566	0.0000675	0.000196	0.000103	0.0877	0.00000321	0.0000798	0.000193	0.00101	0.000367
2059 Sep	0.00013	0.000994	0.0253	0.00000324	1.38	2.38	0.0169	0.00027	16.1	0.00175	0.00567	0.0000675	0.000196	0.000103	0.0877	0.00000322	0.0000799	0.000193	0.00101	0.000367
2059 Oct	0.000129	0.000993	0.0253	0.00000324	1.37	2.38	0.0168	0.000269	16.1	0.00174	0.00566	0.0000674	0.000196	0.000103	0.0876	0.00000321	0.0000798	0.000193	0.00101	0.000366
2059 Nov	0.000129	0.000993	0.0253	0.00000325	1.37	2.38	0.0168	0.00027	16.1	0.00174	0.00566	0.0000674	0.000196	0.000103	0.0876	0.00000321	0.0000798	0.000193	0.00101	0.000366
2059 Dec	0.000129	0.000993	0.0253	0.00000325	1.37	2.38	0.0168	0.00027	16.1	0.00174	0.00566	0.0000674	0.000196	0.000103	0.0876	0.00000321	0.0000798	0.000193	0.00101	0.000366
2060 Jan	0.000129	0.000993	0.0253	0.00000325	1.37	2.38	0.0168	0.00027	16.1	0.00174	0.00566	0.0000674	0.000196	0.000103	0.0876	0.00000321	0.0000798	0.000193	0.00101	0.000366
2060 Feb	0.000129	0.000993	0.0253	0.00000325	1.37	2.38	0.0168	0.00027	16.1	0.00174	0.00567	0.0000674	0.000196	0.000103	0.0876	0.00000321	0.0000798	0.000193	0.00101	0.000366
2060 Mar	0.000129	0.000993	0.0253	0.00000325	1.37	2.38	0.0168	0.00027	16.1	0.00174	0.00567	0.0000674	0.000196	0.000103	0.0876	0.00000321	0.0000798	0.000193	0.00101	0.000366
2060 Apr	0.000129	0.000993	0.0254	0.00000325	1.37	2.38	0.0168	0.00027	16.1	0.00174	0.00567	0.0000674	0.000196	0.000103	0.0876	0.00000321	0.0000798	0.000193	0.00101	0.000366
2060 May	0.00013	0.000994	0.0256	0.00000326	1.38	2.38	0.017	0.00027	16.1	0.00175	0.00567	0.0000686	0.000196	0.000103	0.0877	0.00000321	0.0000798	0.000194	0.00101	0.000365
2060 Jun	0.000131	0.000992	0.0261	0.00000327	1.37	2.38	0.0172	0.000269	16	0.00174	0.00568	0.0000708	0.000195	0.000103	0.0878	0.0000032	0.0000796	0.000197	0.00102	0.000363
2060 Jul	0.000131	0.000995	0.0262	0.00000328	1.38	2.39	0.0172	0.000269	16	0.00175	0.0057	0.0000709	0.000196	0.000103	0.088	0.00000321	0.0000798	0.000198	0.00102	0.000364
2060 Aug	0.000132	0.000996	0.0263	0.00000329	1.38	2.39	0.0172	0.00027	16.1	0.00175	0.00571	0.000071	0.000196	0.000103	0.0881	0.00000321	0.0000799	0.000198	0.00102	0.000365
2060 Sep	0.000131	0.000994	0.0263	0.00000329	1.38	2.39	0.0172	0.00027	16	0.00174	0.0057	0.0000709	0.000196	0.000103	0.088	0.0000032	0.0000798	0.000197	0.00102	0.000364
2060 Oct	0.000131	0.000994	0.0264	0.0000033	1.38	2.39	0.0172	0.00027	16	0.00174	0.0057	0.0000708	0.000195	0.000103	0.0879	0.0000032	0.0000798	0.000197	0.00102	0.000363
2060 Nov	0.000131	0.000994	0.0264	0.0000033	1.38	2.39	0.0172	0.00027	16	0.00174	0.00571	0.0000708	0.000195	0.000103	0.0879	0.0000032	0.0000797	0.000197	0.00102	0.000363
2060 Dec	0.000131	0.000994	0.0264	0.0000033	1.38	2.39	0.0172	0.00027	16	0.00174	0.00571	0.0000708	0.000195	0.000103	0.0879	0.0000032	0.0000797	0.000197	0.00102	0.000363
2061 Jan	0.000131	0.000994	0.0264	0.0000033	1.38	2.39	0.0172	0.00027	16	0.00174	0.00571	0.0000708	0.000195	0.000103	0.0879	0.0000032	0.0000797	0.000197	0.00102	0.000363
2061 Feb	0.000131	0.000994	0.0264	0.0000033	1.38	2.39	0.0172	0.00027	16	0.00174	0.00571	0.0000708	0.000195	0.000103	0.0879	0.0000032	0.0000797	0.000197	0.00102	0.000363
2061 Mar	0.000131	0.000994	0.0264	0.0000033	1.38	2.39	0.0172	0.00027	16	0.00174	0.00571	0.0000708	0.000195	0.000103	0.0879	0.0000032	0.0000797	0.000197	0.00102	0.000363
2061 Apr	0.000131	0.000994	0.0264	0.0000033	1.38	2.39	0.0172	0.00027	16	0.00174	0.00571	0.0000708	0.000195	0.000103	0.0879	0.0000032	0.0000798	0.000197	0.00102	0.000363
2061 May	0.000132	0.000995	0.0267	0.00000331	1.38	2.39	0.0173	0.00027	16	0.00174	0.00572	0.0000721	0.000196	0.000103	0.0881	0.0000032	0.0000798	0.000199	0.00102	0.000363
2061 Jun	0.000133	0.000992	0.0272	0.00000332	1.38	2.39	0.0175	0.000269	15.9	0.00174	0.00572	0.0000743	0.000195	0.000103	0.088	0.00000319	0.0000795	0.000202	0.00102	0.00036
2061 Jul	0.000133	0.000994	0.0273	0.00000333	1.38	2.39	0.0176	0.000269	15.9	0.00174	0.00573	0.0000744	0.000195	0.000103	0.0882	0.00000319	0.0000797	0.000202	0.00102	0.000361
2061 Aug	0.000134	0.000996	0.0273	0.00000334	1.38	2.4	0.0176	0.00027	16	0.00175	0.00574	0.0000746	0.000196	0.000103	0.0884	0.0000032	0.0000798	0.000203	0.00102	0.000362
2061 Sep	0.000134	0.000997	0.0274	0.00000334	1.38	2.4	0.0176	0.00027	16	0.00175	0.00575	0.0000746	0.000196	0.000103	0.0884	0.0000032	0.0000799	0.000203	0.00103	0.000362
2061 Oct	0.000134	0.000995	0.0274	0.00000334	1.38	2.4	0.0176	0.00027	16	0.00174	0.00574	0.0000745	0.000195	0.000103	0.0883	0.0000032	0.0000798	0.000202	0.00102	0.000361
2061 Nov	0.000134	0.000995	0.0274	0.00000335	1.38	2.39	0.0176	0.00027	15.9	0.00174	0.00574	0.0000744	0.000195	0.000103	0.0883	0.0000032	0.0000797	0.000202	0.00102	0.000361
2061 Dec	0.000134	0.000995	0.0274	0.00000335	1.38	2.39	0.0176	0.00027	15.9	0.00174	0.00574	0.0000744	0.000195	0.000103	0.0883	0.0000032	0.0000797	0.000202	0.00102	0.000361
2062 Jan	0.000134	0.000995	0.0274	0.00000335	1.38	2.39	0.0176	0.00027	15.9	0.00174	0.00574	0.0000744	0.000195	0.000103	0.0883	0.0000032	0.0000797	0.000202	0.00102	0.000361

Appendix D.3-3: WES Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2062 Feb	0.000134	0.000995	0.0274	0.00000335	1.38	2.39	0.0176	0.00027	15.9	0.00174	0.00574	0.0000744	0.000195	0.000103	0.0883	0.0000032	0.0000797	0.000202	0.00102	0.000361
2062 Mar	0.000134	0.000995	0.0274	0.00000335	1.38	2.39	0.0176	0.00027	15.9	0.00174	0.00575	0.0000744	0.000195	0.000103	0.0883	0.0000032	0.0000797	0.000202	0.00102	0.000361
2062 Apr	0.000134	0.000995	0.0274	0.00000335	1.38	2.39	0.0176	0.00027	15.9	0.00174	0.00575	0.0000745	0.000195	0.000103	0.0883	0.0000032	0.0000798	0.000202	0.00102	0.000361
2062 May	0.000134	0.000996	0.0274	0.00000335	1.38	2.4	0.0176	0.00027	16	0.00174	0.00575	0.0000745	0.000196	0.000103	0.0883	0.0000032	0.0000798	0.000202	0.00102	0.000361
2062 Jun	0.000133	0.000993	0.0276	0.00000336	1.38	2.39	0.0175	0.000269	15.9	0.00174	0.00575	0.0000745	0.000195	0.000103	0.0881	0.00000319	0.0000796	0.000203	0.00103	0.000359
2062 Jul	0.000133	0.000992	0.0277	0.00000338	1.38	2.39	0.0175	0.000269	15.9	0.00174	0.00576	0.0000745	0.000195	0.000102	0.088	0.00000319	0.0000795	0.000204	0.00103	0.000359
2062 Aug	0.000133	0.000992	0.0277	0.00000339	1.38	2.39	0.0175	0.000269	15.9	0.00174	0.00576	0.0000745	0.000195	0.000102	0.088	0.00000319	0.0000795	0.000204	0.00103	0.000358
2062 Sep	0.000133	0.000992	0.0278	0.00000339	1.38	2.38	0.0175	0.000269	15.8	0.00174	0.00576	0.0000745	0.000195	0.000102	0.088	0.00000318	0.0000795	0.000203	0.00103	0.000358
2062 Oct	0.000133	0.000989	0.0278	0.00000339	1.37	2.38	0.0175	0.000269	15.8	0.00173	0.00576	0.0000741	0.000194	0.000102	0.0877	0.00000317	0.0000793	0.000203	0.00103	0.000356
2062 Nov	0.000133	0.000989	0.0278	0.00000339	1.37	2.38	0.0175	0.000269	15.8	0.00173	0.00576	0.0000741	0.000194	0.000102	0.0877	0.00000317	0.0000793	0.000203	0.00103	0.000356
2062 Dec	0.000133	0.000989	0.0278	0.00000339	1.37	2.38	0.0175	0.000269	15.8	0.00173	0.00576	0.0000741	0.000194	0.000102	0.0877	0.00000317	0.0000793	0.000203	0.00103	0.000356
2063 Jan	0.000133	0.000989	0.0278	0.00000339	1.37	2.38	0.0175	0.000269	15.8	0.00173	0.00576	0.0000741	0.000194	0.000102	0.0877	0.00000317	0.0000793	0.000203	0.00103	0.000356
2063 Feb	0.000133	0.000989	0.0278	0.00000339	1.37	2.38	0.0175	0.000269	15.8	0.00173	0.00576	0.0000741	0.000194	0.000102	0.0877	0.00000317	0.0000793	0.000203	0.00103	0.000356
2063 Mar	0.000133	0.000989	0.0278	0.00000339	1.37	2.38	0.0175	0.000269	15.8	0.00173	0.00576	0.0000741	0.000194	0.000102	0.0877	0.00000317	0.0000793	0.000203	0.00103	0.000356
2063 Apr	0.000133	0.000989	0.0278	0.00000339	1.37	2.38	0.0175	0.000269	15.8	0.00173	0.00576	0.0000741	0.000194	0.000102	0.0877	0.00000317	0.0000793	0.000203	0.00103	0.000356
2063 May	0.000133	0.00099	0.028	0.0000034	1.37	2.38	0.0175	0.000269	15.8	0.00173	0.00577	0.0000748	0.000194	0.000102	0.0878	0.00000317	0.0000793	0.000204	0.00103	0.000356
2063 Jun	0.000135	0.000985	0.0287	0.00000342	1.37	2.37	0.0178	0.000267	15.6	0.00172	0.00577	0.0000779	0.000194	0.000102	0.0876	0.00000315	0.0000789	0.000208	0.00103	0.000352
2063 Jul	0.000135	0.000985	0.0288	0.00000343	1.37	2.37	0.0178	0.000267	15.6	0.00172	0.00577	0.0000779	0.000194	0.000101	0.0876	0.00000315	0.0000788	0.000208	0.00103	0.000352
2063 Aug	0.000135	0.000987	0.0289	0.00000344	1.37	2.38	0.0178	0.000268	15.7	0.00172	0.00578	0.0000781	0.000194	0.000102	0.0878	0.00000316	0.000079	0.000208	0.00103	0.000353
2063 Sep	0.000135	0.000987	0.0289	0.00000344	1.37	2.38	0.0178	0.000268	15.7	0.00172	0.00579	0.0000781	0.000194	0.000102	0.0878	0.00000316	0.000079	0.000208	0.00103	0.000353
2063 Oct	0.000135	0.000987	0.0289	0.00000344	1.37	2.38	0.0178	0.000268	15.6	0.00172	0.00579	0.000078	0.000194	0.000102	0.0878	0.00000316	0.000079	0.000208	0.00103	0.000352
2063 Nov	0.000135	0.000987	0.0289	0.00000344	1.37	2.38	0.0178	0.000268	15.6	0.00172	0.00579	0.000078	0.000194	0.000102	0.0878	0.00000316	0.000079	0.000208	0.00103	0.000352
2063 Dec	0.000135	0.000987	0.0289	0.00000344	1.37	2.38	0.0178	0.000268	15.6	0.00172	0.00579	0.000078	0.000194	0.000102	0.0878	0.00000316	0.000079	0.000208	0.00103	0.000352
2064 Jan	0.000135	0.000987	0.0289	0.00000344	1.37	2.38	0.0178	0.000268	15.6	0.00172	0.00579	0.000078	0.000194	0.000102	0.0878	0.00000316	0.000079	0.000208	0.00103	0.000352
2064 Feb	0.000135	0.000987	0.0289	0.00000344	1.37	2.38	0.0178	0.000268	15.6	0.00172	0.00579	0.000078	0.000194	0.000102	0.0878	0.00000316	0.000079	0.000208	0.00103	0.000352
2064 Mar	0.000135	0.000987	0.0289	0.00000344	1.37	2.38	0.0178	0.000268	15.6	0.00172	0.00579	0.000078	0.000194	0.000102	0.0878	0.00000316	0.000079	0.000208	0.00103	0.000352
2064 Apr	0.000135	0.000987	0.0289	0.00000344	1.37	2.38	0.0178	0.000268	15.6	0.00172	0.00579	0.0000781	0.000194	0.000102	0.0878	0.00000316	0.000079	0.000208	0.00103	0.000352
2064 May	0.000135	0.000987	0.0292	0.00000345	1.37	2.38	0.0179	0.000268	15.6	0.00172	0.0058	0.000079	0.000194	0.000102	0.0879	0.00000316	0.000079	0.000209	0.00103	0.000352
2064 Jun	0.000137	0.000985	0.0298	0.00000347	1.37	2.38	0.0182	0.000267	15.6	0.00172	0.0058	0.0000818	0.000193	0.000101	0.0879	0.00000314	0.0000787	0.000213	0.00103	0.000349
2064 Jul	0.000137	0.000986	0.0299	0.00000348	1.37	2.38	0.0182	0.000267	15.6	0.00172	0.00581	0.0000819	0.000194	0.000102	0.088	0.00000314	0.0000788	0.000213	0.00103	0.00035
2064 Aug	0.000137	0.000987	0.0299	0.00000348	1.37	2.38	0.0182	0.000267	15.6	0.00172	0.00582	0.000082	0.000194	0.000102	0.0881	0.00000315	0.0000789	0.000213	0.00103	0.00035
2064 Sep	0.000137	0.000986	0.03	0.00000349	1.37	2.38	0.0182	0.000267	15.6	0.00172	0.00582	0.0000819	0.000193	0.000101	0.088	0.00000314	0.0000788	0.000213	0.00103	0.000349
2064 Oct	0.000137	0.000987	0.03	0.00000349	1.37	2.38	0.0182	0.000268	15.6	0.00172	0.00582	0.0000819	0.000193	0.000101	0.088	0.00000314	0.0000789	0.000213	0.00103	0.000349
2064 Nov	0.000137	0.000987	0.03	0.00000349	1.37	2.38	0.0182	0.000268	15.6	0.00172	0.00582	0.0000819	0.000194	0.000101	0.088	0.00000314	0.0000789	0.000213	0.00103	0.000349
2064 Dec	0.000137	0.000987	0.03	0.00000349	1.37	2.38	0.0182	0.000268	15.6	0.00172	0.00582	0.0000819	0.000194	0.000101	0.088	0.00000314	0.0000789	0.000213	0.00103	0.000349
2065 Jan	0.000137	0.000987	0.03	0.00000349	1.37	2.38	0.0182	0.000268	15.6	0.00172	0.00582	0.0000819	0.000194	0.000101	0.088	0.00000314	0.0000789	0.000213	0.00103	0.000349
2065 Feb	0.000137	0.000987	0.03	0.00000349	1.37	2.38	0.0182	0.000268	15.6	0.00172	0.00582	0.0000819	0.000194	0.000101	0.088	0.00000314	0.0000789	0.000213	0.00103	0.000349
2065 Mar	0.000137	0.000987	0.03	0.00000349	1.37	2.38	0.0182	0.000268	15.6	0.00172	0.00582	0.0000819	0.000194	0.000101	0.088	0.00000314	0.0000789	0.000213	0.00103	0.000349
2065 Apr	0.000137	0.000987	0.03	0.00000349	1.37	2.38	0.0182	0.000268	15.6	0.00172	0.00582	0.0000819	0.000194	0.000102	0.0881	0.00000315	0.0000789	0.000213	0.00103	0.00035
2065 May	0.000137	0.000988	0.0302	0.0000035	1.37	2.39	0.0183	0.000268	15.6	0.00172	0.00583	0.0000827	0.000194	0.000102	0.0882	0.00000315	0.0000789	0.000214	0.00104	0.000349
2065 Jun	0.000138	0.000986	0.0307	0.00000351	1.37	2.38	0.0185	0.000267	15.5	0.00172	0.00583	0.0000846	0.000193	0.000101	0.0881	0.00000313	0.0000787	0.000217	0.00104	0.000347
2065 Jul	0.000139	0.000988	0.0308	0.00000352	1.37	2.39	0.0185	0.000267	15.5	0.00172	0.00585	0.0000849	0.000194	0.000102	0.0883	0.00000314	0.0000789	0.000217	0.00104	0.000348
2065 Aug	0.000139	0.00099	0.0308	0.00000353	1.38	2.39	0.0186	0.000268	15.6	0.00172	0.00586	0.000085	0.000194	0.000102	0.0885	0.00000315	0.000079	0.000218	0.00104	0.000349
2065 Sep	0.000139	0.000989	0.0309	0.00000354	1.37	2.39	0.0185	0.000268	15.5	0.00172	0.00586	0.0000849	0.000194	0.000102	0.0884	0.00000314	0.000079	0.000217	0.00104	0.000348
2065 Oct	0.000138	0.000987	0.0309	0.00000354	1.37	2.39	0.0185	0.000268	15.5	0.00172	0.00586	0.0000846	0.000193	0.000101	0.0882	0.00000313	0.0000788	0.000217	0.00104	0.000347
2065 Nov	0.000138	0.000986	0.0309	0.00000354	1.37	2.39	0.0185	0.000268	15.5	0.00172	0.00586	0.0000845	0.000193	0.000101	0.0882	0.00000313	0.0000788	0.000217	0.00104	0.000346
2065 Dec	0.000138	0.000986	0.0309	0.00000354	1.37	2.39	0.0185	0.000268	15.5	0.00172	0.00586	0.0000845	0.000193	0.000101	0.0882	0.00000313	0.0000788	0.000217	0.00104	0.000346
2066 Jan	0.000138	0.000986	0.0309	0.00000354	1.37	2.39	0.0185	0.000268	15.5	0.00172	0.00586	0.0000845	0.000193	0.000101	0.0882	0.00000313	0.0000788	0.000217	0.00104	0.000346
2066 Feb	0.000138	0.000986	0.0309	0.00000354	1.37	2.39	0.0185	0.000268	15.5	0.00172	0.00586	0.0000845	0.000193	0.000101	0.0882	0.00000313	0.0000788	0.000217	0.00104	0.000346
2066 Mar	0.000138	0.000987	0.0309	0.00000354	1.37	2.39	0.0185	0.000268	15.5	0.00172	0.00586	0.0000845	0.000193	0.000101	0.0882	0.00000313	0.0000788	0.000217	0.00104	0.000346
2066 Apr	0.000138	0.000987	0.0309	0.00000354	1.37	2.39	0.0185	0.000268	15.5	0.00172	0.00586	0.0000846	0.000193	0.000101	0.0882	0.00000313	0.0000788	0.000217	0.00104	0.000347
2066 May	0.000139	0.000987	0.031	0.00000354	1.37	2.39	0.0185	0.000268	15.5	0.00172	0.00586	0.0000847	0.000193	0.000101	0.0883	0.00000314	0.0000788	0.000217	0.00104	0.000347
2066 Jun	0.000139	0.000984	0.0313	0.00000356	1.37	2.38	0.0186	0.000267	15.4	0.00171	0.00586	0.0000859	0.000193	0.000101	0.0881	0.00000312	0.0000786	0.000219	0.00104	0.000344
2066 Jul	0.000139	0.000986	0.0315	0.00000358	1.37	2.39	0.0186	0.000267	15.4	0.00171	0.00588	0.0000861	0.000193	0.000101	0.0882	0.00000313	0.0000787	0.00022	0.00104	0.000345
2066 Aug	0.00014	0.000988	0.0315	0.00000359	1.37	2.39	0.0187	0.000268	15.4	0.00172	0.00589	0.0000863	0.000194	0.000101	0.0884	0.00000314	0.0000789	0.00022	0.00105	0.000345
2066 Sep	0.00014	0.000988	0.0316	0.00000359	1.37	2.39	0.0187	0.000268	15.4	0.00172	0.0059	0.0000863	0.000194	0.000101	0.0884	0.00000314	0.0000789	0.00022	0.00105	0.000345
2066 Oct	0.000139	0.000988	0.0316	0.00000359	1.37	2.39	0.0186	0.000268	15.4	0.00172	0.0059	0.0000862	0.000193	0.000101	0.0884	0.00000313	0.0000789	0.00022	0.00105	0.000345
2066 Nov	0.000139	0.000988	0.0316	0.00000359	1.37	2.39	0.0186	0.000268	15.4	0.00172	0.0059	0.0000861	0.000193	0.000101	0.0883	0.00000313	0.0000788	0.00022	0.00105	0.000345
2066 Dec	0.000139	0.000988	0.0316	0.00000359	1.37	2.39	0.0186	0.000268	15.4	0.00172	0.0059	0.0000861	0.000193	0.000101	0.0884	0.00000313	0.0000788	0.00022	0.00105	0.000345
2067 Jan	0.000139	0.000988	0.0316	0.00000359	1.37	2.39	0.0186	0.000268	15.4	0.00172	0.0059	0.0000861	0.000193	0.000101	0.0884	0.00000313	0.0000788	0.00022	0.00105	0.000345
2067 Feb	0.000139	0.000988	0.0316	0.00000359	1.37	2.39	0.0186	0.000268	15.4	0.00172	0.0059	0.0000861	0.000193	0.000101	0.0884	0.00000313	0.0000788	0.00022	0.00105	0.000345
2067 Mar	0.000139	0.000988	0.0316	0.00000359	1.37	2.39	0.0186	0.000268	15.4	0.00172	0.0059	0.0000862	0.000193	0.000101	0.0884	0.00000313	0.0000789	0.00022	0.00105	0.000345
2067 Apr	0.000139	0.000988	0.0316	0.00000359	1.37	2.39	0.0186	0.000268	15.4	0.00172	0.0059	0.0000862	0.000193	0.000101	0.0884	0.00000313	0.0000789	0.00022	0.00105	0.000345
2067 May	0.00014	0.000989	0.0318	0.0000036	1.37	2.39	0.0187	0.000268	15.4	0.00172	0.00591	0.0000869	0.000194	0.000101	0.0885	0.00000313	0.0000789	0.000221	0.00105	0.000345
2067 Jun	0.000141	0.000987	0.0322	0.00000361	1.37	2.39	0.0189	0.000268	15.4	0.00171	0.00591	0.0000887	0.000193	0.000101	0.0885	0.00000313	0.0000788	0.000223	0.00105	0.000343
2067 Jul	0.000141	0.00099	0.0323	0.00000363	1.38	2.4	0.0189	0.000268	15.4	0.00172	0.00593	0.0000889	0.000194	0.000101	0.0888	0.00000313	0.000079	0.000224	0.00105	0.000344
2067 Aug	0.000141	0.000991	0.0324	0.00000363	1.38	2.4	0.019	0.000269	15.4	0.00172	0.00594	0.0000891	0.000194	0.000102	0.0889	0.00000314	0.0000791	0.000224	0.00105	0.000344
2067 Sep	0.000141	0.000992	0.0324	0.00000364	1.38	2.4	0.019	0.000269	15.4	0.00172	0.00594	0.0000891	0.000194	0.000102	0.0889	0.00000314	0.0000791	0.000224	0.00105	0.000344
2067 Oct	0.000141	0.00099	0.0324	0.00000364	1.38	2.4	0.0189	0.000269	15.4	0.00172	0.00594	0.0000889	0.000194	0.000101	0.0888	0.00000313	0.000079	0.000224	0.00105	0.000344
2067 Nov	0.000141	0.00099	0.0324	0.00000364	1.38	2.4	0.0189	0.000269	15.4	0.00172	0.00594	0.0000889	0.000194	0.000101	0.0888	0.00000313	0.000079	0.000224	0.00105	0.000344
2067 Dec	0.000141	0.00099	0.0325	0.00000364	1.38	2.4	0.0189	0.000269	15.4	0.00172	0.00594	0.0000889	0.000194	0.000101	0.0888	0.00000313	0.000079	0.000224	0.00105	0.000344
2068 Jan	0.000141	0.00099	0.0325	0.00000364	1.38	2.4	0.0189	0.000269	15.4	0.00172	0.00594	0.0000889	0.000194	0.000101	0.0888	0.00000313	0.000079	0.000224	0.00105	0.000344

Appendix D.3-3: WES Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2068 Feb	0.000141	0.00099	0.0325	0.00000364	1.38	2.4	0.0189	0.000269	15.4	0.00172	0.00594	0.0000889	0.000194	0.000101	0.0888	0.00000313	0.000079	0.000224	0.00105	0.000344
2068 Mar	0.000141	0.00099	0.0325	0.00000364	1.38	2.4	0.0189	0.000269	15.4	0.00172	0.00594	0.0000889	0.000194	0.000101	0.0888	0.00000313	0.000079	0.000224	0.00105	0.000344
2068 Apr	0.000141	0.000991	0.0325	0.00000364	1.38	2.4	0.0189	0.000269	15.4	0.00172	0.00595	0.0000889	0.000194	0.000101	0.0888	0.00000314	0.000079	0.000224	0.00105	0.000344
2068 May	0.000142	0.000991	0.0326	0.00000365	1.38	2.4	0.019	0.000269	15.4	0.00172	0.00595	0.0000897	0.000194	0.000101	0.0889	0.00000314	0.0000791	0.000225	0.00105	0.000344
2068 Jun	0.000143	0.000987	0.0332	0.00000366	1.37	2.4	0.0192	0.000267	15.3	0.00171	0.00595	0.0000922	0.000193	0.000101	0.0888	0.00000312	0.0000786	0.000228	0.00105	0.00034
2068 Jul	0.000143	0.000988	0.0333	0.00000367	1.38	2.4	0.0193	0.000268	15.3	0.00171	0.00596	0.0000924	0.000193	0.000101	0.0889	0.00000312	0.0000787	0.000228	0.00105	0.000341
2068 Aug	0.000143	0.000991	0.0334	0.00000368	1.38	2.41	0.0193	0.000268	15.3	0.00172	0.00598	0.0000926	0.000194	0.000101	0.0891	0.00000313	0.0000789	0.000229	0.00106	0.000341
2068 Sep	0.000143	0.000991	0.0335	0.00000369	1.38	2.41	0.0193	0.000269	15.3	0.00172	0.00598	0.0000926	0.000194	0.000101	0.0891	0.00000313	0.0000789	0.000229	0.00106	0.000341
2068 Oct	0.000143	0.000991	0.0335	0.00000369	1.38	2.41	0.0193	0.000269	15.3	0.00172	0.00598	0.0000925	0.000194	0.000101	0.0891	0.00000313	0.0000789	0.000229	0.00106	0.000341
2068 Nov	0.000143	0.000991	0.0335	0.00000369	1.38	2.41	0.0193	0.000269	15.3	0.00172	0.00598	0.0000926	0.000194	0.000101	0.0891	0.00000313	0.000079	0.000229	0.00106	0.000341
2068 Dec	0.000143	0.000991	0.0335	0.00000369	1.38	2.41	0.0193	0.000269	15.3	0.00172	0.00598	0.0000926	0.000194	0.000101	0.0891	0.00000313	0.000079	0.000229	0.00106	0.000341
2069 Jan	0.000143	0.000991	0.0335	0.00000369	1.38	2.41	0.0193	0.000269	15.3	0.00172	0.00598	0.0000926	0.000194	0.000101	0.0891	0.00000313	0.000079	0.000229	0.00106	0.000341
2069 Feb	0.000143	0.000991	0.0335	0.00000369	1.38	2.41	0.0193	0.000269	15.3	0.00172	0.00598	0.0000926	0.000194	0.000101	0.0891	0.00000313	0.000079	0.000229	0.00106	0.000341
2069 Mar	0.000143	0.000991	0.0335	0.00000369	1.38	2.41	0.0193	0.000269	15.3	0.00172	0.00598	0.0000926	0.000194	0.000101	0.0891	0.00000313	0.000079	0.000229	0.00106	0.000341
2069 Apr	0.000143	0.000991	0.0335	0.00000369	1.38	2.41	0.0193	0.000269	15.3	0.00172	0.00598	0.0000926	0.000194	0.000101	0.0891	0.00000313	0.000079	0.000229	0.00106	0.000341
2069 May	0.000144	0.000992	0.0335	0.0000037	1.38	2.41	0.0193	0.000269	15.4	0.00172	0.00599	0.0000927	0.000194	0.000101	0.0892	0.00000313	0.000079	0.000229	0.00106	0.000342
2069 Jun	0.000144	0.00099	0.0338	0.00000371	1.38	2.4	0.0194	0.000268	15.3	0.00171	0.00599	0.0000934	0.000194	0.000101	0.089	0.00000312	0.0000788	0.000231	0.00106	0.00034
2069 Jul	0.000144	0.000991	0.0339	0.00000372	1.38	2.41	0.0194	0.000268	15.3	0.00172	0.006	0.0000936	0.000194	0.000101	0.0891	0.00000313	0.0000789	0.000231	0.00106	0.00034
2069 Aug	0.000144	0.000992	0.034	0.00000373	1.38	2.41	0.0194	0.000269	15.3	0.00172	0.00601	0.0000937	0.000194	0.000101	0.0893	0.00000313	0.000079	0.000231	0.00106	0.00034
2069 Sep	0.000144	0.000991	0.034	0.00000373	1.38	2.41	0.0194	0.000269	15.3	0.00172	0.00601	0.0000935	0.000194	0.000101	0.0891	0.00000312	0.000079	0.000231	0.00106	0.00034
2069 Oct	0.000144	0.000989	0.034	0.00000374	1.38	2.4	0.0194	0.000269	15.2	0.00171	0.00601	0.0000932	0.000193	0.000101	0.089	0.00000312	0.0000788	0.000231	0.00106	0.000339
2069 Nov	0.000144	0.000989	0.034	0.00000374	1.38	2.4	0.0193	0.000269	15.2	0.00171	0.00601	0.0000932	0.000193	0.000101	0.0889	0.00000312	0.0000788	0.000231	0.00106	0.000338
2069 Dec	0.000144	0.000989	0.034	0.00000374	1.38	2.4	0.0193	0.000269	15.2	0.00171	0.00601	0.0000932	0.000193	0.000101	0.0889	0.00000312	0.0000788	0.000231	0.00106	0.000338
2070 Jan	0.000144	0.000989	0.034	0.00000374	1.38	2.4	0.0193	0.000269	15.2	0.00171	0.00601	0.0000932	0.000193	0.000101	0.0889	0.00000312	0.0000788	0.000231	0.00106	0.000338
2070 Feb	0.000144	0.000989	0.034	0.00000374	1.38	2.4	0.0193	0.000269	15.2	0.00171	0.00601	0.0000932	0.000193	0.000101	0.0889	0.00000312	0.0000788	0.000231	0.00106	0.000338
2070 Mar	0.000144	0.000989	0.034	0.00000374	1.38	2.4	0.0193	0.000269	15.2	0.00171	0.00601	0.0000932	0.000193	0.000101	0.0889	0.00000312	0.0000788	0.000231	0.00106	0.000338
2070 Apr	0.000144	0.00099	0.034	0.00000374	1.38	2.4	0.0194	0.000269	15.2	0.00171	0.00601	0.0000932	0.000193	0.000101	0.089	0.00000312	0.0000788	0.000231	0.00106	0.000338
2070 May	0.000144	0.00099	0.0342	0.00000375	1.38	2.4	0.0194	0.000269	15.2	0.00171	0.00602	0.0000939	0.000193	0.000101	0.0891	0.00000312	0.0000789	0.000232	0.00106	0.000338
2070 Jun	0.000145	0.000989	0.0346	0.00000376	1.38	2.4	0.0196	0.000268	15.2	0.00171	0.00603	0.0000958	0.000193	0.000101	0.0891	0.00000311	0.0000787	0.000234	0.00106	0.000337
2070 Jul	0.000145	0.000991	0.0347	0.00000377	1.38	2.41	0.0196	0.000269	15.2	0.00171	0.00604	0.000096	0.000194	0.000101	0.0893	0.00000312	0.0000789	0.000234	0.00107	0.000337
2070 Aug	0.000145	0.000993	0.0348	0.00000378	1.38	2.41	0.0197	0.000269	15.2	0.00172	0.00605	0.0000962	0.000194	0.000101	0.0894	0.00000312	0.000079	0.000235	0.00107	0.000338
2070 Sep	0.000145	0.000992	0.0348	0.00000378	1.38	2.41	0.0197	0.000269	15.2	0.00171	0.00605	0.000096	0.000194	0.000101	0.0893	0.00000312	0.0000789	0.000235	0.00107	0.000337
2070 Oct	0.000145	0.000991	0.0349	0.00000378	1.38	2.41	0.0196	0.000269	15.2	0.00171	0.00605	0.0000958	0.000193	0.000101	0.0892	0.00000311	0.0000789	0.000234	0.00107	0.000337
2070 Nov	0.000145	0.000991	0.0349	0.00000378	1.38	2.41	0.0196	0.000269	15.2	0.00171	0.00605	0.0000958	0.000193	0.000101	0.0892	0.00000311	0.0000789	0.000234	0.00107	0.000337
2070 Dec	0.000145	0.000991	0.0349	0.00000378	1.38	2.41	0.0196	0.000269	15.2	0.00171	0.00605	0.0000958	0.000193	0.000101	0.0892	0.00000311	0.0000789	0.000234	0.00107	0.000337
2071 Jan	0.000145	0.000991	0.0349	0.00000378	1.38	2.41	0.0196	0.000269	15.2	0.00171	0.00605	0.0000958	0.000193	0.000101	0.0892	0.00000311	0.0000789	0.000234	0.00107	0.000337
2071 Feb	0.000145	0.000991	0.0349	0.00000378	1.38	2.41	0.0196	0.000269	15.2	0.00171	0.00605	0.0000958	0.000193	0.000101	0.0892	0.00000311	0.0000789	0.000234	0.00107	0.000337
2071 Mar	0.000145	0.000991	0.0349	0.00000378	1.38	2.41	0.0196	0.000269	15.2	0.00171	0.00605	0.0000958	0.000193	0.000101	0.0892	0.00000311	0.0000789	0.000234	0.00107	0.000337
2071 Apr	0.000145	0.000991	0.0349	0.00000378	1.38	2.41	0.0196	0.000269	15.2	0.00171	0.00605	0.0000958	0.000193	0.000101	0.0892	0.00000311	0.0000789	0.000234	0.00107	0.000337
2071 May	0.000146	0.000991	0.035	0.00000379	1.38	2.41	0.0197	0.000269	15.2	0.00171	0.00605	0.0000966	0.000193	0.000101	0.0893	0.00000311	0.0000789	0.000235	0.00107	0.000336
2071 Jun	0.000147	0.000989	0.0355	0.0000038	1.38	2.41	0.0199	0.000268	15.1	0.00171	0.00606	0.0000986	0.000193	0.000101	0.0893	0.0000031	0.0000786	0.000238	0.00107	0.000334
2071 Jul	0.000147	0.00099	0.0356	0.00000381	1.38	2.41	0.0199	0.000268	15.1	0.00171	0.00607	0.0000988	0.000193	0.000101	0.0894	0.0000031	0.0000787	0.000238	0.00107	0.000334
2071 Aug	0.000147	0.000991	0.0357	0.00000382	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.00608	0.0000989	0.000193	0.000101	0.0895	0.00000311	0.0000788	0.000239	0.00107	0.000335
2071 Sep	0.000147	0.000991	0.0357	0.00000382	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.00608	0.0000988	0.000193	0.000101	0.0895	0.00000311	0.0000788	0.000238	0.00107	0.000334
2071 Oct	0.000147	0.00099	0.0357	0.00000382	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.00608	0.0000987	0.000193	0.000101	0.0894	0.0000031	0.0000787	0.000238	0.00107	0.000334
2071 Nov	0.000147	0.00099	0.0357	0.00000383	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.00608	0.0000987	0.000193	0.000101	0.0894	0.0000031	0.0000787	0.000238	0.00107	0.000334
2071 Dec	0.000147	0.00099	0.0357	0.00000383	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.00608	0.0000987	0.000193	0.000101	0.0894	0.0000031	0.0000787	0.000238	0.00107	0.000334
2072 Jan	0.000147	0.00099	0.0357	0.00000383	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.00608	0.0000987	0.000193	0.000101	0.0894	0.0000031	0.0000787	0.000238	0.00107	0.000334
2072 Feb	0.000147	0.00099	0.0357	0.00000383	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.00608	0.0000987	0.000193	0.000101	0.0894	0.0000031	0.0000787	0.000238	0.00107	0.000334
2072 Mar	0.000147	0.00099	0.0357	0.00000383	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.00608	0.0000987	0.000193	0.000101	0.0894	0.0000031	0.0000787	0.000238	0.00107	0.000334
2072 Apr	0.000147	0.00099	0.0357	0.00000383	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.00608	0.0000987	0.000193	0.000101	0.0894	0.0000031	0.0000788	0.000238	0.00107	0.000334
2072 May	0.000147	0.000991	0.0358	0.00000383	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.00608	0.0000988	0.000193	0.000101	0.0895	0.00000311	0.0000788	0.000238	0.00107	0.000334
2072 Jun	0.000147	0.00099	0.0359	0.00000384	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.00609	0.0000988	0.000193	0.000101	0.0893	0.0000031	0.0000787	0.000239	0.00107	0.000333
2072 Jul	0.000147	0.00099	0.036	0.00000385	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.0061	0.0000989	0.000193	0.000101	0.0894	0.0000031	0.0000788	0.000239	0.00107	0.000333
2072 Aug	0.000147	0.00099	0.036	0.00000386	1.38	2.41	0.0199	0.000269	15.1	0.00171	0.0061	0.0000988	0.000193	0.000101	0.0894	0.0000031	0.0000787	0.000239	0.00107	0.000333
2072 Sep	0.000147	0.00099	0.036	0.00000386	1.38	2.41	0.0199	0.000269	15.1	0.0017	0.0061	0.0000987	0.000193	0.000101	0.0893	0.0000031	0.0000787	0.000239	0.00107	0.000332
2072 Oct	0.000146	0.000988	0.0361	0.00000387	1.38	2.4	0.0198	0.000269	15	0.0017	0.0061	0.0000985	0.000192	0.0001	0.0892	0.00000309	0.0000786	0.000239	0.00107	0.000331
2072 Nov	0.000146	0.000988	0.0361	0.00000387	1.38	2.4	0.0198	0.000269	15	0.0017	0.0061	0.0000985	0.000192	0.0001	0.0891	0.00000309	0.0000786	0.000239	0.00107	0.000331
2072 Dec	0.000146	0.000988	0.0361	0.00000387	1.38	2.4	0.0198	0.000269	15	0.0017	0.0061	0.0000985	0.000192	0.0001	0.0891	0.00000309	0.0000786	0.000239	0.00107	0.000331
2073 Jan	0.000146	0.000988	0.0361	0.00000387	1.38	2.4	0.0198	0.000269	15	0.0017	0.0061	0.0000985	0.000192	0.0001	0.0891	0.00000309	0.0000786	0.000239	0.00107	0.000331
2073 Feb	0.000146	0.000988	0.0361	0.00000387	1.38	2.4	0.0198	0.000269	15	0.0017	0.0061	0.0000985	0.000192	0.0001	0.0891	0.00000309	0.0000786	0.000239	0.00107	0.000331
2073 Mar	0.000146	0.000988	0.0361	0.00000387	1.38	2.4	0.0198	0.000269	15	0.0017	0.0061	0.0000985	0.000192	0.0001	0.0892	0.00000309	0.0000786	0.000239	0.00107	0.000331
2073 Apr	0.000147	0.000988	0.0361	0.00000387	1.38	2.4	0.0199	0.000269	15	0.0017	0.0061	0.0000985	0.000192	0.0001	0.0892	0.00000309	0.0000786	0.000239	0.00107	0.000331
2073 May	0.000147	0.000989	0.0363	0.00000388	1.38	2.41	0.02	0.000269	15	0.0017	0.00611	0.0000995	0.000192	0.0001	0.0893	0.00000309	0.0000786	0.00024	0.00107	0.000331
2073 Jun	0.000148	0.000988	0.0368	0.00000389	1.38	2.41	0.0202	0.000269	15	0.0017	0.00612	0.000102	0.000192	0.0001	0.0894	0.00000308	0.0000785	0.000242	0.00107	0.000329
2073 Jul	0.000148	0.000989	0.0369	0.0000039	1.38	2.41	0.0202	0.000269	15	0.0017	0.00612	0.000102	0.000192	0.0001	0.0895	0.00000309	0.0000786	0.000243	0.00108	0.00033
2073 Aug	0.000149	0.000991	0.037	0.00000391	1.38	2.41	0.0202	0.000269	15	0.0017	0.00614	0.000102	0.000193	0.000101	0.0896	0.00000309	0.0000787	0.000243	0.00108	0.00033
2073 Sep	0.000149	0.00099	0.037	0.00000391	1.38	2.41	0.0202	0.000269	15	0.0017	0.00614	0.000102	0.000193	0.0001	0.0896	0.00000309	0.0000787	0.000243	0.00108	0.00033
2073 Oct	0.000148	0.000989	0.037	0.00000391	1.38	2.41	0.0202	0.000269	15	0.0017	0.00614	0.000102	0.000192	0.0001	0.0895	0.00000309	0.0000786	0.000243	0.00108	0.000329
2073 Nov	0.000148	0.000989	0.037	0.00000391	1.38	2.41	0.0202	0.000269	15	0.0017	0.00614	0.000102	0.000192	0.0001	0.0895	0.00000309	0.0000786	0.000243	0.00108	0.000329
2073 Dec	0.000148	0.000989	0.037	0.00000391	1.38	2.41	0.0202	0.000269	15	0.0017	0.00614	0.000102	0.000192	0.0001	0.0895	0.00000309	0.0000786	0.000243	0.00108	0.000329
2074 Jan	0.000148	0.000989	0.037	0.00000391	1.38	2.41	0.0202	0.000269	15	0.0017	0.00614	0.000102	0.000192	0.0001	0.0895	0.00000309	0.0000786	0.000243	0.00108	0.000329

Appendix D.3-3: WES Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2074 Feb	0.000148	0.000989	0.037	0.00000391	1.38	2.41	0.0202	0.000269	15	0.0017	0.00614	0.000102	0.000192	0.0001	0.0895	0.00000309	0.0000786	0.000243	0.00108	0.000329
2074 Mar	0.000148	0.000989	0.037	0.00000391	1.38	2.41	0.0202	0.000269	15	0.0017	0.00614	0.000102	0.000192	0.0001	0.0895	0.00000309	0.0000786	0.000243	0.00108	0.000329
2074 Apr	0.000148	0.000989	0.037	0.00000391	1.38	2.41	0.0202	0.00027	15	0.0017	0.00614	0.000102	0.000192	0.0001	0.0895	0.00000309	0.0000786	0.000243	0.00108	0.000329
2074 May	0.000149	0.00099	0.0373	0.00000392	1.38	2.41	0.0203	0.000269	15	0.0017	0.00615	0.000103	0.000192	0.0001	0.0896	0.00000309	0.0000786	0.000245	0.00108	0.000329
2074 Jun	0.00015	0.000987	0.0379	0.00000393	1.38	2.41	0.0206	0.000268	14.9	0.0017	0.00615	0.000106	0.000192	0.0001	0.0896	0.00000307	0.0000783	0.000248	0.00108	0.000326
2074 Jul	0.000151	0.000989	0.038	0.00000395	1.38	2.42	0.0206	0.000269	14.9	0.0017	0.00616	0.000106	0.000192	0.0001	0.0898	0.00000308	0.0000785	0.000248	0.00108	0.000327
2074 Aug	0.000151	0.000992	0.0381	0.00000396	1.38	2.42	0.0207	0.000269	14.9	0.0017	0.00618	0.000106	0.000193	0.000101	0.09	0.00000308	0.0000786	0.000249	0.00108	0.000328
2074 Sep	0.000151	0.000991	0.0381	0.00000396	1.38	2.42	0.0206	0.000269	14.9	0.0017	0.00618	0.000106	0.000192	0.0001	0.09	0.00000308	0.0000786	0.000249	0.00108	0.000327
2074 Oct	0.000151	0.00099	0.0381	0.00000396	1.38	2.42	0.0206	0.000269	14.9	0.0017	0.00618	0.000106	0.000192	0.0001	0.0899	0.00000308	0.0000786	0.000248	0.00108	0.000327
2074 Nov	0.000151	0.00099	0.0381	0.00000396	1.38	2.42	0.0206	0.00027	14.9	0.0017	0.00618	0.000106	0.000192	0.0001	0.0899	0.00000308	0.0000786	0.000248	0.00108	0.000327
2074 Dec	0.000151	0.000991	0.0381	0.00000396	1.38	2.42	0.0206	0.00027	14.9	0.0017	0.00618	0.000106	0.000192	0.0001	0.0899	0.00000308	0.0000786	0.000248	0.00108	0.000327
2075 Jan	0.000151	0.000991	0.0381	0.00000396	1.38	2.42	0.0206	0.00027	14.9	0.0017	0.00618	0.000106	0.000192	0.0001	0.0899	0.00000308	0.0000786	0.000248	0.00108	0.000327
2075 Feb	0.000151	0.000991	0.0381	0.00000396	1.38	2.42	0.0206	0.00027	14.9	0.0017	0.00618	0.000106	0.000192	0.0001	0.0899	0.00000308	0.0000786	0.000248	0.00108	0.000327
2075 Mar	0.000151	0.000991	0.0381	0.00000396	1.38	2.42	0.0206	0.00027	14.9	0.0017	0.00618	0.000106	0.000192	0.0001	0.0899	0.00000308	0.0000786	0.000248	0.00108	0.000327
2075 Apr	0.000151	0.000991	0.0382	0.00000396	1.38	2.42	0.0206	0.00027	14.9	0.0017	0.00618	0.000106	0.000192	0.0001	0.0899	0.00000308	0.0000786	0.000248	0.00108	0.000327
2075 May	0.000151	0.000991	0.0382	0.00000397	1.38	2.42	0.0207	0.00027	14.9	0.0017	0.00618	0.000106	0.000192	0.0001	0.09	0.00000308	0.0000786	0.000249	0.00108	0.000327
2075 Jun	0.000151	0.000988	0.0383	0.00000398	1.38	2.41	0.0206	0.000269	14.8	0.0017	0.00618	0.000106	0.000192	0.0001	0.0897	0.00000307	0.0000784	0.000249	0.00108	0.000325
2075 Jul	0.000151	0.000988	0.0384	0.00000399	1.38	2.41	0.0206	0.000269	14.8	0.0017	0.00619	0.000106	0.000192	0.0001	0.0897	0.00000307	0.0000784	0.00025	0.00109	0.000325
2075 Aug	0.000151	0.00099	0.0385	0.000004	1.38	2.42	0.0206	0.000269	14.9	0.0017	0.0062	0.000106	0.000192	0.0001	0.0898	0.00000308	0.0000785	0.00025	0.00109	0.000325
2075 Sep	0.000151	0.00099	0.0385	0.000004	1.38	2.42	0.0207	0.000269	14.9	0.0017	0.0062	0.000106	0.000193	0.0001	0.0899	0.00000308	0.0000786	0.00025	0.00109	0.000325
2075 Oct	0.000151	0.00099	0.0385	0.000004	1.38	2.42	0.0206	0.000269	14.9	0.0017	0.0062	0.000106	0.000192	0.0001	0.0898	0.00000308	0.0000785	0.00025	0.00109	0.000325
2075 Nov	0.000151	0.00099	0.0385	0.000004	1.38	2.42	0.0206	0.000269	14.9	0.0017	0.00621	0.000106	0.000192	0.0001	0.0898	0.00000308	0.0000785	0.00025	0.00109	0.000325
2075 Dec	0.000151	0.00099	0.0385	0.000004	1.38	2.42	0.0206	0.000269	14.9	0.0017	0.00621	0.000106	0.000192	0.0001	0.0898	0.00000308	0.0000785	0.00025	0.00109	0.000325
2076 Jan	0.000151	0.00099	0.0385	0.000004	1.38	2.42	0.0206	0.000269	14.9	0.0017	0.00621	0.000106	0.000192	0.0001	0.0898	0.00000308	0.0000785	0.00025	0.00109	0.000325
2076 Feb	0.000151	0.00099	0.0385	0.000004	1.38	2.42	0.0206	0.000269	14.9	0.0017	0.00621	0.000106	0.000192	0.0001	0.0898	0.00000308	0.0000785	0.00025	0.00109	0.000325
2076 Mar	0.000151	0.00099	0.0385	0.000004	1.38	2.42	0.0206	0.000269	14.9	0.0017	0.00621	0.000106	0.000192	0.0001	0.0899	0.00000308	0.0000786	0.00025	0.00109	0.000325
2076 Apr	0.000151	0.00099	0.0386	0.00000401	1.38	2.42	0.0207	0.000269	14.9	0.0017	0.00621	0.000106	0.000192	0.0001	0.0899	0.00000308	0.0000786	0.00025	0.00109	0.000325
2076 May	0.000152	0.000991	0.0387	0.00000401	1.38	2.42	0.0207	0.000269	14.9	0.0017	0.00621	0.000107	0.000193	0.0001	0.09	0.00000308	0.0000786	0.000251	0.00109	0.000325
2076 Jun	0.000153	0.000989	0.0392	0.00000403	1.38	2.42	0.0209	0.000268	14.8	0.00169	0.00622	0.000109	0.000192	0.0001	0.09	0.00000307	0.0000783	0.000254	0.00109	0.000323
2076 Jul	0.000153	0.00099	0.0393	0.00000403	1.38	2.42	0.021	0.000269	14.8	0.0017	0.00623	0.000109	0.000192	0.0001	0.09	0.00000307	0.0000784	0.000254	0.00109	0.000323
2076 Aug	0.000153	0.000992	0.0394	0.00000404	1.39	2.43	0.021	0.000269	14.8	0.0017	0.00624	0.00011	0.000193	0.0001	0.0902	0.00000308	0.0000786	0.000255	0.00109	0.000324
2076 Sep	0.000153	0.000992	0.0394	0.00000405	1.39	2.43	0.021	0.000269	14.8	0.0017	0.00624	0.00011	0.000193	0.0001	0.0903	0.00000308	0.0000786	0.000255	0.0011	0.000324
2076 Oct	0.000153	0.000991	0.0394	0.00000405	1.38	2.42	0.021	0.000269	14.8	0.0017	0.00624	0.000109	0.000193	0.0001	0.0902	0.00000307	0.0000785	0.000255	0.00109	0.000323
2076 Nov	0.000153	0.000991	0.0394	0.00000405	1.38	2.42	0.021	0.000269	14.8	0.0017	0.00624	0.000109	0.000192	0.0001	0.0901	0.00000307	0.0000785	0.000255	0.00109	0.000323
2076 Dec	0.000153	0.000991	0.0394	0.00000405	1.38	2.42	0.021	0.000269	14.8	0.0017	0.00624	0.000109	0.000192	0.0001	0.0901	0.00000307	0.0000785	0.000255	0.00109	0.000323
2077 Jan	0.000153	0.000991	0.0394	0.00000405	1.38	2.42	0.021	0.000269	14.8	0.0017	0.00624	0.000109	0.000192	0.0001	0.0901	0.00000307	0.0000785	0.000255	0.00109	0.000323
2077 Feb	0.000153	0.000991	0.0394	0.00000405	1.38	2.42	0.021	0.000269	14.8	0.0017	0.00624	0.000109	0.000192	0.0001	0.0902	0.00000307	0.0000785	0.000255	0.00109	0.000323
2077 Mar	0.000153	0.000991	0.0394	0.00000405	1.38	2.42	0.021	0.000269	14.8	0.0017	0.00624	0.000109	0.000192	0.0001	0.0902	0.00000307	0.0000785	0.000255	0.00109	0.000323
2077 Apr	0.000153	0.000991	0.0395	0.00000405	1.38	2.42	0.021	0.000269	14.8	0.0017	0.00624	0.000109	0.000193	0.0001	0.0902	0.00000307	0.0000786	0.000255	0.00109	0.000323
2077 May	0.000153	0.000992	0.0396	0.00000405	1.39	2.43	0.021	0.000269	14.8	0.0017	0.00625	0.00011	0.000193	0.0001	0.0903	0.00000307	0.0000786	0.000255	0.00109	0.000323
2077 Jun	0.000154	0.000989	0.04	0.00000406	1.38	2.42	0.0212	0.000268	14.7	0.00169	0.00625	0.000112	0.000192	0.0001	0.0902	0.00000306	0.0000783	0.000258	0.00109	0.000321
2077 Jul	0.000154	0.000991	0.0401	0.00000408	1.39	2.43	0.0213	0.000269	14.8	0.0017	0.00626	0.000112	0.000193	0.0001	0.0904	0.00000307	0.0000785	0.000258	0.0011	0.000322
2077 Aug	0.000155	0.000993	0.0402	0.00000409	1.39	2.43	0.0213	0.000269	14.8	0.0017	0.00628	0.000112	0.000193	0.0001	0.0906	0.00000307	0.0000786	0.000259	0.0011	0.000322
2077 Sep	0.000154	0.000992	0.0402	0.00000409	1.39	2.43	0.0213	0.000269	14.8	0.0017	0.00627	0.000112	0.000193	0.0001	0.0904	0.00000307	0.0000785	0.000258	0.0011	0.000321
2077 Oct	0.000154	0.000992	0.0402	0.00000409	1.39	2.43	0.0212	0.000269	14.7	0.0017	0.00627	0.000112	0.000192	0.0001	0.0904	0.00000307	0.0000785	0.000258	0.0011	0.000321
2077 Nov	0.000154	0.000992	0.0403	0.00000409	1.39	2.43	0.0212	0.00027	14.7	0.0017	0.00627	0.000112	0.000192	0.0001	0.0904	0.00000307	0.0000785	0.000258	0.0011	0.000321
2077 Dec	0.000154	0.000992	0.0403	0.00000409	1.39	2.43	0.0212	0.00027	14.7	0.0017	0.00627	0.000112	0.000192	0.0001	0.0904	0.00000307	0.0000785	0.000258	0.0011	0.000321
2078 Jan	0.000154	0.000992	0.0403	0.00000409	1.39	2.43	0.0212	0.00027	14.7	0.0017	0.00627	0.000112	0.000192	0.0001	0.0904	0.00000307	0.0000785	0.000258	0.0011	0.000321
2078 Feb	0.000154	0.000992	0.0403	0.00000409	1.39	2.43	0.0212	0.00027	14.7	0.0017	0.00627	0.000112	0.000192	0.0001	0.0904	0.00000307	0.0000785	0.000258	0.0011	0.000321
2078 Mar	0.000154	0.000992	0.0403	0.00000409	1.39	2.43	0.0212	0.00027	14.7	0.0017	0.00627	0.000112	0.000192	0.0001	0.0904	0.00000307	0.0000785	0.000258	0.0011	0.000321
2078 Apr	0.000155	0.000992	0.0403	0.00000409	1.39	2.43	0.0212	0.00027	14.7	0.0017	0.00628	0.000112	0.000192	0.0001	0.0904	0.00000307	0.0000786	0.000258	0.0011	0.000321
2078 May	0.000155	0.000992	0.0407	0.0000041	1.39	2.43	0.0214	0.000269	14.7	0.0017	0.00629	0.000114	0.000193	0.0001	0.0906	0.00000306	0.0000785	0.00026	0.0011	0.000321
2078 Jun	0.000156	0.00099	0.0411	0.00000411	1.39	2.43	0.0216	0.000268	14.7	0.00169	0.00628	0.000116	0.000192	0.0001	0.0906	0.00000305	0.0000783	0.000263	0.0011	0.000319
2078 Jul	0.000157	0.000993	0.0412	0.00000412	1.39	2.44	0.0217	0.000269	14.7	0.0017	0.0063	0.000116	0.000193	0.0001	0.0908	0.00000306	0.0000785	0.000263	0.0011	0.000319
2078 Aug	0.000157	0.000994	0.0413	0.00000413	1.39	2.44	0.0217	0.000269	14.7	0.0017	0.00631	0.000116	0.000193	0.0001	0.0909	0.00000306	0.0000786	0.000263	0.0011	0.00032
2078 Sep	0.000157	0.000994	0.0413	0.00000413	1.39	2.44	0.0217	0.00027	14.7	0.0017	0.00631	0.000116	0.000193	0.0001	0.0909	0.00000307	0.0000786	0.000264	0.0011	0.00032
2078 Oct	0.000157	0.000994	0.0413	0.00000414	1.39	2.44	0.0217	0.00027	14.7	0.0017	0.00631	0.000116	0.000193	0.0001	0.0909	0.00000306	0.0000786	0.000263	0.0011	0.00032
2078 Nov	0.000157	0.000994	0.0413	0.00000414	1.39	2.44	0.0217	0.00027	14.7	0.0017	0.00631	0.000116	0.000193	0.0001	0.0909	0.00000306	0.0000786	0.000263	0.0011	0.00032
2078 Dec	0.000157	0.000994	0.0413	0.00000414	1.39	2.44	0.0217	0.00027	14.7	0.0017	0.00632	0.000116	0.000193	0.0001	0.0909	0.00000306	0.0000786	0.000263	0.0011	0.00032
2079 Jan	0.000157	0.000994	0.0413	0.00000414	1.39	2.44	0.0217	0.00027	14.7	0.0017	0.00632	0.000116	0.000193	0.0001	0.0909	0.00000306	0.0000786	0.000263	0.0011	0.00032
2079 Feb	0.000157	0.000994	0.0413	0.00000414	1.39	2.44	0.0217	0.00027	14.7	0.0017	0.00632	0.000116	0.000193	0.0001	0.0909	0.00000306	0.0000786	0.000263	0.0011	0.00032
2079 Mar	0.000157	0.000994	0.0413	0.00000414	1.39	2.44	0.0217	0.00027	14.7	0.0017	0.00632	0.000116	0.000193	0.0001	0.0909	0.00000306	0.0000786	0.000263	0.0011	0.00032
2079 Apr	0.000157	0.000994	0.0413	0.00000414	1.39	2.44	0.0217	0.00027	14.7	0.0017	0.00632	0.000116	0.000193	0.0001	0.0909	0.00000306	0.0000786	0.000263	0.0011	0.00032
2079 May	0.000157	0.000995	0.0414	0.00000414	1.39	2.44	0.0217	0.00027	14.7	0.0017	0.00632	0.000116	0.000193	0.0001	0.091	0.00000307	0.0000787	0.000264	0.00111	0.00032
2079 Jun	0.000157	0.000991	0.0416	0.00000415	1.39	2.44	0.0217	0.000269	14.6	0.00169	0.00632	0.000117	0.000192	0.0001	0.0907	0.00000305	0.0000784	0.000265	0.00111	0.000318
2079 Jul	0.000157	0.000992	0.0417	0.00000416	1.39	2.44	0.0217	0.000269	14.6	0.00169	0.00632	0.000117	0.000193	0.0001	0.0907	0.00000305	0.0000784	0.000265	0.00111	0.000317
2079 Aug	0.000157	0.000993	0.0418	0.00000417	1.39	2.44	0.0218	0.000269	14.7	0.0017	0.00634	0.000117	0.000193	0.0001	0.0909	0.00000306	0.0000785	0.000266	0.00111	0.000318
2079 Sep	0.000157	0.000993	0.0418	0.00000417	1.39	2.44	0.0218	0.000269	14.6	0.00169	0.00634	0.000117	0.000193	0.0001	0.0908	0.00000306	0.0000785	0.000266	0.00111	0.000317
2079 Oct	0.000157	0.000992	0.0418	0.00000418	1.39	2.44	0.0217	0.000269	14.6	0.00169	0.00634	0.000117	0.000192	0.0001	0.0908	0.00000305	0.0000784	0.000266	0.00111	0.000317
2079 Nov	0.000157	0.000992	0.0418	0.00000418	1.39	2.44	0.0217	0.000269	14.6	0.00169	0.00634	0.000117	0.000192	0.0000999	0.0907	0.00000305	0.0000784	0.000265	0.00111	0.000317
2079 Dec	0.000157	0.000992	0.0418	0.00000418	1.39	2.44	0.0217	0.000269	14.6	0.00169	0.00634	0.000117	0.000192	0.0000999	0.0907	0.00000305	0.0000784	0.000265	0.00111	0.000317

Appendix D.3-3: WES Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2080 Jan	0.000157	0.000992	0.0418	0.00000418	1.39	2.44	0.0217	0.000269	14.6	0.00169	0.00634	0.000117	0.000192	0.0000999	0.0907	0.00000305	0.0000784	0.000265	0.00111	0.000317
2080 Feb	0.000157	0.000992	0.0418	0.00000418	1.39	2.44	0.0217	0.000269	14.6	0.00169	0.00634	0.000117	0.000192	0.0000999	0.0907	0.00000305	0.0000784	0.000265	0.00111	0.000317
2080 Mar	0.000157	0.000992	0.0418	0.00000418	1.39	2.44	0.0217	0.000269	14.6	0.00169	0.00634	0.000117	0.000192	0.0000999	0.0907	0.00000305	0.0000784	0.000265	0.00111	0.000317
2080 Apr	0.000157	0.000992	0.0418	0.00000418	1.39	2.44	0.0217	0.000269	14.6	0.00169	0.00634	0.000117	0.000192	0.0000999	0.0907	0.00000305	0.0000784	0.000265	0.00111	0.000317
2080 May	0.000157	0.000993	0.0419	0.00000418	1.39	2.44	0.0217	0.00027	14.6	0.00169	0.00634	0.000117	0.000192	0.0001	0.0908	0.00000306	0.0000785	0.000266	0.00111	0.000317
2080 Jun	0.000157	0.000991	0.042	0.00000419	1.39	2.43	0.0217	0.000269	14.6	0.00169	0.00635	0.000117	0.000192	0.0000997	0.0906	0.00000305	0.0000783	0.000266	0.00111	0.000316
2080 Jul	0.000157	0.000991	0.042	0.0000042	1.39	2.43	0.0217	0.000269	14.6	0.00169	0.00635	0.000117	0.000192	0.0000997	0.0906	0.00000305	0.0000783	0.000266	0.00111	0.000316
2080 Aug	0.000157	0.000992	0.0421	0.00000421	1.39	2.43	0.0217	0.000269	14.6	0.00169	0.00636	0.000117	0.000193	0.0000998	0.0907	0.00000305	0.0000784	0.000267	0.00111	0.000316
2080 Sep	0.000157	0.000992	0.0421	0.00000421	1.39	2.43	0.0217	0.000269	14.6	0.00169	0.00636	0.000117	0.000192	0.0000997	0.0906	0.00000305	0.0000784	0.000266	0.00111	0.000315
2080 Oct	0.000157	0.000991	0.0421	0.00000422	1.39	2.43	0.0217	0.000269	14.6	0.00169	0.00636	0.000117	0.000192	0.0000996	0.0906	0.00000305	0.0000783	0.000266	0.00111	0.000315
2080 Nov	0.000157	0.000991	0.0422	0.00000422	1.39	2.43	0.0217	0.000269	14.5	0.00169	0.00636	0.000117	0.000192	0.0000996	0.0906	0.00000305	0.0000783	0.000266	0.00111	0.000315
2080 Dec	0.000157	0.000991	0.0422	0.00000422	1.39	2.43	0.0217	0.000269	14.5	0.00169	0.00636	0.000117	0.000192	0.0000996	0.0906	0.00000305	0.0000783	0.000266	0.00111	0.000315
2081 Jan	0.000157	0.000991	0.0422	0.00000422	1.39	2.43	0.0217	0.000269	14.5	0.00169	0.00636	0.000117	0.000192	0.0000996	0.0906	0.00000305	0.0000783	0.000266	0.00111	0.000315
2081 Feb	0.000157	0.000991	0.0422	0.00000422	1.39	2.43	0.0217	0.000269	14.5	0.00169	0.00636	0.000117	0.000192	0.0000996	0.0906	0.00000305	0.0000783	0.000266	0.00111	0.000315
2081 Mar	0.000157	0.000991	0.0422	0.00000422	1.39	2.43	0.0217	0.000269	14.5	0.00169	0.00636	0.000117	0.000192	0.0000996	0.0906	0.00000305	0.0000783	0.000266	0.00111	0.000315
2081 Apr	0.000157	0.000991	0.0422	0.00000422	1.39	2.43	0.0217	0.000269	14.5	0.00169	0.00636	0.000117	0.000192	0.0000996	0.0906	0.00000305	0.0000783	0.000266	0.00111	0.000315
2081 May	0.000158	0.000992	0.0425	0.00000423	1.39	2.43	0.0218	0.000269	14.5	0.00169	0.00637	0.000118	0.000192	0.0000997	0.0907	0.00000305	0.0000784	0.000268	0.00111	0.000314
2081 Jun	0.000159	0.000991	0.0428	0.00000424	1.39	2.43	0.022	0.000269	14.5	0.00169	0.00637	0.00012	0.000192	0.0000996	0.0908	0.00000304	0.0000782	0.00027	0.00111	0.000313
2081 Jul	0.000159	0.000993	0.0429	0.00000425	1.39	2.44	0.022	0.000269	14.5	0.00169	0.00639	0.00012	0.000193	0.0000998	0.091	0.00000305	0.0000784	0.00027	0.00112	0.000314
2081 Aug	0.000159	0.000996	0.043	0.00000426	1.39	2.45	0.0221	0.00027	14.6	0.0017	0.00641	0.00012	0.000193	0.0001	0.0912	0.00000306	0.0000786	0.000271	0.00112	0.000315
2081 Sep	0.000159	0.000996	0.043	0.00000426	1.39	2.45	0.0221	0.00027	14.6	0.0017	0.00641	0.00012	0.000193	0.0001	0.0912	0.00000306	0.0000786	0.000271	0.00112	0.000315
2081 Oct	0.000159	0.000996	0.0431	0.00000426	1.39	2.45	0.0221	0.00027	14.6	0.0017	0.00641	0.00012	0.000193	0.0001	0.0912	0.00000306	0.0000786	0.000271	0.00112	0.000315
2081 Nov	0.000159	0.000995	0.0431	0.00000426	1.39	2.45	0.0221	0.00027	14.6	0.00169	0.00641	0.00012	0.000193	0.0001	0.0912	0.00000305	0.0000786	0.000271	0.00112	0.000314
2081 Dec	0.000159	0.000995	0.0431	0.00000427	1.39	2.45	0.0221	0.00027	14.6	0.00169	0.00641	0.00012	0.000193	0.0001	0.0912	0.00000305	0.0000786	0.000271	0.00112	0.000314
2082 Jan	0.000159	0.000995	0.0431	0.00000427	1.39	2.45	0.0221	0.00027	14.6	0.00169	0.00641	0.00012	0.000193	0.0001	0.0912	0.00000305	0.0000786	0.000271	0.00112	0.000314
2082 Feb	0.000159	0.000995	0.0431	0.00000427	1.39	2.45	0.0221	0.00027	14.6	0.00169	0.00641	0.00012	0.000193	0.0001	0.0912	0.00000305	0.0000786	0.000271	0.00112	0.000314
2082 Mar	0.000159	0.000995	0.0431	0.00000427	1.39	2.45	0.0221	0.00027	14.6	0.00169	0.00641	0.00012	0.000193	0.0001	0.0912	0.00000305	0.0000786	0.000271	0.00112	0.000314
2082 Apr	0.000159	0.000996	0.0431	0.00000427	1.39	2.45	0.0221	0.00027	14.6	0.00169	0.00641	0.00012	0.000193	0.0001	0.0912	0.00000306	0.0000786	0.000271	0.00112	0.000315
2082 May	0.000159	0.000996	0.0431	0.00000427	1.39	2.45	0.0221	0.000271	14.6	0.0017	0.00642	0.00012	0.000193	0.0001	0.0913	0.00000306	0.0000787	0.000271	0.00112	0.000315
2082 Jun	0.000159	0.000992	0.0432	0.00000428	1.39	2.44	0.022	0.000269	14.5	0.00169	0.00641	0.00012	0.000193	0.0000996	0.0909	0.00000305	0.0000784	0.000271	0.00112	0.000313
2082 Jul	0.000159	0.000991	0.0432	0.00000429	1.39	2.43	0.022	0.000269	14.5	0.00169	0.00642	0.00012	0.000193	0.0000995	0.0908	0.00000304	0.0000783	0.000272	0.00112	0.000312
2082 Aug	0.000159	0.000993	0.0433	0.0000043	1.39	2.44	0.022	0.000269	14.5	0.00169	0.00643	0.00012	0.000193	0.0000996	0.0909	0.00000305	0.0000784	0.000272	0.00113	0.000312
2082 Sep	0.000159	0.000993	0.0433	0.00000431	1.39	2.44	0.022	0.00027	14.5	0.00169	0.00643	0.00012	0.000193	0.0000997	0.091	0.00000305	0.0000785	0.000272	0.00113	0.000312
2082 Oct	0.000159	0.000992	0.0433	0.0000043	1.39	2.43	0.022	0.00027	14.5	0.00169	0.00643	0.00012	0.000192	0.0000994	0.0908	0.00000304	0.0000784	0.000272	0.00112	0.000312
2082 Nov	0.000159	0.000992	0.0433	0.0000043	1.39	2.43	0.022	0.00027	14.5	0.00169	0.00643	0.00012	0.000192	0.0000994	0.0908	0.00000304	0.0000784	0.000272	0.00112	0.000312
2082 Dec	0.000159	0.000992	0.0433	0.0000043	1.39	2.43	0.022	0.00027	14.5	0.00169	0.00643	0.00012	0.000192	0.0000995	0.0908	0.00000304	0.0000784	0.000272	0.00112	0.000312
2083 Jan	0.000159	0.000992	0.0433	0.0000043	1.39	2.43	0.022	0.00027	14.5	0.00169	0.00643	0.00012	0.000192	0.0000995	0.0908	0.00000304	0.0000784	0.000272	0.00112	0.000312
2083 Feb	0.000159	0.000992	0.0433	0.0000043	1.39	2.43	0.022	0.00027	14.5	0.00169	0.00643	0.00012	0.000192	0.0000995	0.0908	0.00000304	0.0000784	0.000272	0.00112	0.000312
2083 Mar	0.000159	0.000992	0.0433	0.0000043	1.39	2.43	0.022	0.00027	14.5	0.00169	0.00643	0.00012	0.000192	0.0000995	0.0908	0.00000304	0.0000784	0.000272	0.00112	0.000312
2083 Apr	0.000159	0.000992	0.0433	0.00000431	1.39	2.43	0.022	0.00027	14.5	0.00169	0.00643	0.00012	0.000193	0.0000995	0.0908	0.00000304	0.0000784	0.000272	0.00112	0.000312
2083 May	0.000159	0.000993	0.0436	0.00000431	1.39	2.44	0.0221	0.00027	14.5	0.00169	0.00644	0.000121	0.000193	0.0000996	0.091	0.00000304	0.0000784	0.000273	0.00113	0.000312
2083 Jun	0.00016	0.000991	0.0441	0.00000432	1.39	2.44	0.0223	0.000269	14.4	0.00168	0.00644	0.000123	0.000192	0.0000993	0.091	0.00000303	0.0000782	0.000276	0.00113	0.00031
2083 Jul	0.000161	0.000992	0.0442	0.00000433	1.39	2.44	0.0223	0.000269	14.4	0.00169	0.00645	0.000123	0.000192	0.0000994	0.0911	0.00000303	0.0000782	0.000276	0.00113	0.00031
2083 Aug	0.000161	0.000993	0.0442	0.00000434	1.39	2.44	0.0223	0.000269	14.4	0.00169	0.00646	0.000123	0.000193	0.0000995	0.0911	0.00000304	0.0000783	0.000276	0.00113	0.00031
2083 Sep	0.000161	0.000992	0.0443	0.00000435	1.39	2.44	0.0223	0.000269	14.4	0.00169	0.00646	0.000123	0.000192	0.0000994	0.0911	0.00000304	0.0000783	0.000276	0.00113	0.000309
2083 Oct	0.00016	0.000991	0.0443	0.00000435	1.39	2.44	0.0223	0.000269	14.4	0.00168	0.00646	0.000123	0.000192	0.0000992	0.091	0.00000303	0.0000782	0.000276	0.00113	0.000309
2083 Nov	0.00016	0.000991	0.0443	0.00000435	1.39	2.44	0.0223	0.000269	14.4	0.00168	0.00645	0.000123	0.000192	0.0000992	0.0909	0.00000303	0.0000782	0.000275	0.00113	0.000308
2083 Dec	0.00016	0.000991	0.0443	0.00000435	1.39	2.44	0.0223	0.000269	14.4	0.00168	0.00645	0.000123	0.000192	0.0000992	0.0909	0.00000303	0.0000782	0.000275	0.00113	0.000308
2084 Jan	0.00016	0.000991	0.0443	0.00000435	1.39	2.44	0.0223	0.000269	14.4	0.00168	0.00645	0.000123	0.000192	0.0000992	0.0909	0.00000303	0.0000782	0.000275	0.00113	0.000308
2084 Feb	0.00016	0.000991	0.0443	0.00000435	1.39	2.44	0.0223	0.000269	14.4	0.00168	0.00645	0.000123	0.000192	0.0000992	0.0909	0.00000303	0.0000782	0.000275	0.00113	0.000308
2084 Mar	0.00016	0.000991	0.0443	0.00000435	1.39	2.44	0.0223	0.000269	14.4	0.00168	0.00646	0.000123	0.000192	0.0000992	0.0909	0.00000303	0.0000782	0.000275	0.00113	0.000309
2084 Apr	0.00016	0.000991	0.0443	0.00000435	1.39	2.44	0.0223	0.000269	14.4	0.00168	0.00646	0.000123	0.000192	0.0000992	0.091	0.00000303	0.0000782	0.000276	0.00113	0.000309
2084 May	0.000161	0.000992	0.0446	0.00000436	1.39	2.44	0.0224	0.000269	14.4	0.00168	0.00647	0.000124	0.000192	0.0000993	0.0911	0.00000303	0.0000782	0.000277	0.00113	0.000308
2084 Jun	0.000162	0.00099	0.045	0.00000436	1.39	2.44	0.0226	0.000268	14.3	0.00168	0.00646	0.000126	0.000192	0.000099	0.0911	0.00000302	0.000078	0.000279	0.00113	0.000306
2084 Jul	0.000162	0.000991	0.0451	0.00000437	1.39	2.44	0.0226	0.000269	14.3	0.00168	0.00648	0.000126	0.000192	0.0000992	0.0912	0.00000302	0.0000781	0.00028	0.00113	0.000307
2084 Aug	0.000162	0.000992	0.0452	0.00000438	1.39	2.45	0.0227	0.000269	14.3	0.00168	0.00649	0.000126	0.000192	0.0000993	0.0913	0.00000303	0.0000782	0.00028	0.00113	0.000307
2084 Sep	0.000162	0.000992	0.0452	0.00000439	1.39	2.44	0.0226	0.000269	14.3	0.00168	0.00649	0.000126	0.000192	0.0000993	0.0913	0.00000303	0.0000782	0.00028	0.00113	0.000307
2084 Oct	0.000162	0.000991	0.0452	0.00000439	1.39	2.44	0.0226	0.000269	14.3	0.00168	0.00649	0.000126	0.000192	0.0000992	0.0912	0.00000302	0.0000781	0.00028	0.00113	0.000306
2084 Nov	0.000162	0.000991	0.0452	0.00000439	1.39	2.44	0.0226	0.000269	14.3	0.00168	0.00649	0.000126	0.000192	0.0000991	0.0912	0.00000302	0.0000781	0.00028	0.00113	0.000306
2084 Dec	0.000162	0.000991	0.0452	0.00000439	1.39	2.44	0.0226	0.000269	14.3	0.00168	0.00649	0.000126	0.000192	0.0000991	0.0912	0.00000302	0.0000781	0.00028	0.00113	0.000306
2085 Jan	0.000162	0.000991	0.0452	0.00000439	1.39	2.44	0.0226	0.000269	14.3	0.00168	0.00649	0.000126	0.000192	0.0000991	0.0912	0.00000302	0.0000781	0.00028	0.00113	0.000306
2085 Feb	0.000162	0.000991	0.0452	0.00000439	1.39	2.44	0.0226	0.000269	14.3	0.00168	0.00649	0.000126	0.000192	0.0000991	0.0912	0.00000302	0.0000781	0.00028	0.00113	0.000306
2085 Mar	0.000162	0.000991	0.0452	0.00000439	1.39	2.44	0.0226	0.000269	14.3	0.00168	0.00649	0.000126	0.000192	0.0000991	0.0912	0.00000302	0.0000781	0.00028	0.00113	0.000306
2085 Apr	0.000162	0.000991	0.0452	0.00000439	1.39	2.44	0.0226	0.000269	14.3	0.00168	0.00649	0.000126	0.000192	0.0000991	0.0912	0.00000302	0.0000781	0.00028	0.00113	0.000306
2085 May	0.000163	0.000992	0.0454	0.0000044	1.39	2.45	0.0227	0.000269	14.3	0.00168	0.0065	0.000127	0.000192	0.0000992	0.0914	0.00000302	0.0000782	0.000281	0.00113	0.000306
2085 Jun	0.000164	0.000992	0.0457	0.0000044	1.39	2.45	0.0229	0.000269	14.3	0.00168	0.0065	0.000129	0.000192	0.0000992	0.0914	0.00000302	0.0000781	0.000283	0.00113	0.000305
2085 Jul	0.000164	0.000994	0.0459	0.00000442	1.39	2.45	0.0229	0.000269	14.3	0.00168	0.00652	0.000129	0.000192	0.0000994	0.0916	0.00000302	0.0000782	0.000283	0.00113	0.000306
2085 Aug	0.000164	0.000994	0.0459	0.00000442	1.39	2.45	0.0229	0.00027	14.3	0.00168	0.00652	0.000129	0.000192	0.0000994	0.0916	0.00000302	0.0000783	0.000283	0.00114	0.000306
2085 Sep	0.000164	0.000993	0.0459	0.00000442	1.39	2.45	0.0229	0.00027	14.3	0.00168	0.00652	0.000129	0.000192	0.0000992	0.0915	0.00000302	0.0000782	0.000283	0.00113	0.000305
2085 Oct	0.000164	0.000992	0.0459	0.00000442	1.39	2.45	0.0228	0.00027	14.3	0.00168	0.00652	0.000128	0.000192	0.0000991	0.0915	0.00000302	0.0000781	0.000283	0.00113	0.000305
2085 Nov	0.000164	0.000992	0.0459	0.00000442	1.39	2.45	0.0228	0.00027	14.2	0.00168	0.00652	0.000128	0.000191	0.0000991	0.0914	0.00000302	0.0000781	0.000283	0.00113	0.000304
2085 Dec	0.000164	0.000992	0.0459	0.00000442	1.39	2.45	0.0228	0.00027	14.2	0.00168	0.00652	0.000128	0.000191	0.0000991	0.0914	0.00000302	0.0000781	0.000283	0.00113	0.000304

Appendix D.3-3: WES Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2086 Jan	0.000164	0.000992	0.0459	0.00000442	1.39	2.45	0.0228	0.00027	14.2	0.00168	0.00652	0.000128	0.000191	0.0000991	0.0914	0.00000302	0.0000781	0.000283	0.00113	0.000304
2086 Feb	0.000164	0.000992	0.0459	0.00000442	1.39	2.45	0.0228	0.00027	14.2	0.00168	0.00652	0.000128	0.000191	0.0000991	0.0914	0.00000302	0.0000781	0.000283	0.00113	0.000304
2086 Mar	0.000164	0.000992	0.0459	0.00000442	1.39	2.45	0.0228	0.00027	14.2	0.00168	0.00652	0.000128	0.000191	0.0000991	0.0914	0.00000302	0.0000781	0.000283	0.00113	0.000304
2086 Apr	0.000164	0.000992	0.0459	0.00000442	1.39	2.45	0.0228	0.00027	14.2	0.00168	0.00652	0.000128	0.000191	0.0000991	0.0914	0.00000302	0.0000781	0.000283	0.00113	0.000304
2086 May	0.000164	0.000993	0.046	0.00000443	1.39	2.45	0.0229	0.00027	14.3	0.00168	0.00652	0.000129	0.000192	0.0000992	0.0915	0.00000302	0.0000782	0.000283	0.00113	0.000305
2086 Jun	0.000165	0.000991	0.0464	0.00000444	1.39	2.45	0.023	0.000269	14.2	0.00168	0.00652	0.000131	0.000191	0.0000989	0.0915	0.00000301	0.0000779	0.000285	0.00113	0.000303
2086 Jul	0.000165	0.000992	0.0465	0.00000445	1.39	2.45	0.0231	0.000269	14.2	0.00168	0.00654	0.000131	0.000192	0.000099	0.0916	0.00000301	0.000078	0.000286	0.00114	0.000303
2086 Aug	0.000165	0.000993	0.0466	0.00000446	1.39	2.45	0.0231	0.000269	14.2	0.00168	0.00655	0.000131	0.000192	0.0000991	0.0917	0.00000301	0.0000781	0.000286	0.00114	0.000303
2086 Sep	0.000165	0.000992	0.0466	0.00000447	1.39	2.45	0.0231	0.00027	14.2	0.00168	0.00655	0.000131	0.000191	0.000099	0.0916	0.00000301	0.0000781	0.000286	0.00114	0.000303
2086 Oct	0.000165	0.000992	0.0466	0.00000447	1.39	2.45	0.0231	0.00027	14.2	0.00168	0.00655	0.000131	0.000191	0.000099	0.0916	0.00000301	0.0000781	0.000286	0.00114	0.000302
2086 Nov	0.000165	0.000992	0.0466	0.00000447	1.39	2.45	0.0231	0.00027	14.2	0.00168	0.00655	0.000131	0.000191	0.000099	0.0916	0.00000301	0.0000781	0.000286	0.00114	0.000303
2086 Dec	0.000165	0.000992	0.0466	0.00000447	1.39	2.45	0.0231	0.00027	14.2	0.00168	0.00655	0.000131	0.000191	0.000099	0.0916	0.00000301	0.0000781	0.000286	0.00114	0.000303
2087 Jan	0.000165	0.000992	0.0466	0.00000447	1.39	2.45	0.0231	0.00027	14.2	0.00168	0.00655	0.000131	0.000191	0.000099	0.0916	0.00000301	0.0000781	0.000286	0.00114	0.000303
2087 Feb	0.000165	0.000993	0.0466	0.00000447	1.39	2.45	0.0231	0.00027	14.2	0.00168	0.00655	0.000131	0.000191	0.000099	0.0916	0.00000301	0.0000781	0.000286	0.00114	0.000303
2087 Mar	0.000165	0.000993	0.0466	0.00000447	1.39	2.45	0.0231	0.00027	14.2	0.00168	0.00655	0.000131	0.000191	0.000099	0.0916	0.00000301	0.0000781	0.000286	0.00114	0.000303
2087 Apr	0.000165	0.000993	0.0466	0.00000447	1.39	2.45	0.0231	0.00027	14.2	0.00168	0.00655	0.000131	0.000191	0.000099	0.0916	0.00000301	0.0000781	0.000286	0.00114	0.000303
2087 May	0.000165	0.000993	0.0468	0.00000447	1.39	2.45	0.0231	0.00027	14.2	0.00168	0.00655	0.000131	0.000192	0.0000991	0.0917	0.00000301	0.0000781	0.000287	0.00114	0.000302
2087 Jun	0.000166	0.000992	0.0472	0.00000448	1.39	2.45	0.0233	0.000269	14.1	0.00168	0.00656	0.000133	0.000191	0.000099	0.0918	0.000003	0.000078	0.000289	0.00114	0.000301
2087 Jul	0.000166	0.000993	0.0473	0.00000449	1.39	2.46	0.0233	0.00027	14.2	0.00168	0.00657	0.000133	0.000192	0.0000991	0.0919	0.00000301	0.0000781	0.000289	0.00114	0.000301
2087 Aug	0.000167	0.000995	0.0474	0.0000045	1.4	2.46	0.0234	0.00027	14.2	0.00168	0.00658	0.000133	0.000192	0.0000993	0.0921	0.00000301	0.0000782	0.00029	0.00114	0.000302
2087 Sep	0.000167	0.000996	0.0474	0.00000451	1.4	2.46	0.0234	0.00027	14.2	0.00168	0.00659	0.000133	0.000192	0.0000993	0.0921	0.00000302	0.0000783	0.00029	0.00114	0.000302
2087 Oct	0.000167	0.000996	0.0474	0.00000451	1.4	2.46	0.0234	0.00027	14.2	0.00168	0.00659	0.000133	0.000192	0.0000993	0.0921	0.00000302	0.0000783	0.00029	0.00114	0.000302
2087 Nov	0.000167	0.000996	0.0474	0.00000451	1.4	2.46	0.0234	0.00027	14.2	0.00168	0.00659	0.000133	0.000192	0.0000993	0.0921	0.00000302	0.0000783	0.00029	0.00114	0.000302
2087 Dec	0.000167	0.000996	0.0474	0.00000451	1.4	2.46	0.0234	0.00027	14.2	0.00168	0.00659	0.000133	0.000192	0.0000993	0.0921	0.00000302	0.0000783	0.00029	0.00114	0.000302
2088 Jan	0.000167	0.000996	0.0474	0.00000451	1.4	2.46	0.0234	0.00027	14.2	0.00168	0.00659	0.000133	0.000192	0.0000993	0.0921	0.00000302	0.0000783	0.00029	0.00114	0.000302
2088 Feb	0.000167	0.000996	0.0474	0.00000451	1.4	2.46	0.0234	0.00027	14.2	0.00168	0.00659	0.000133	0.000192	0.0000993	0.0921	0.00000302	0.0000783	0.00029	0.00114	0.000302
2088 Mar	0.000167	0.000996	0.0474	0.00000451	1.4	2.46	0.0234	0.00027	14.2	0.00168	0.00659	0.000133	0.000192	0.0000993	0.0921	0.00000302	0.0000783	0.00029	0.00114	0.000302
2088 Apr	0.000167	0.000996	0.0474	0.00000451	1.4	2.46	0.0234	0.000271	14.2	0.00168	0.00659	0.000133	0.000192	0.0000993	0.0921	0.00000302	0.0000783	0.00029	0.00114	0.000302
2088 May	0.000167	0.000997	0.0475	0.00000452	1.4	2.47	0.0234	0.000271	14.2	0.00168	0.0066	0.000134	0.000192	0.0000994	0.0922	0.00000302	0.0000784	0.00029	0.00115	0.000302
2088 Jun	0.000167	0.000995	0.0476	0.00000453	1.4	2.46	0.0234	0.00027	14.2	0.00168	0.0066	0.000134	0.000192	0.0000992	0.0921	0.00000301	0.0000782	0.000291	0.00115	0.000301
2088 Jul	0.000167	0.000997	0.0477	0.00000454	1.4	2.46	0.0234	0.00027	14.2	0.00168	0.00662	0.000134	0.000193	0.0000993	0.0922	0.00000302	0.0000784	0.000292	0.00115	0.000301
2088 Aug	0.000168	0.001	0.0479	0.00000455	1.4	2.47	0.0235	0.000271	14.2	0.00169	0.00663	0.000134	0.000193	0.0000996	0.0925	0.00000303	0.0000786	0.000292	0.00115	0.000302
2088 Sep	0.000168	0.001	0.0479	0.00000456	1.4	2.47	0.0235	0.000271	14.2	0.00169	0.00664	0.000134	0.000193	0.0000997	0.0925	0.00000303	0.0000786	0.000293	0.00115	0.000302
2088 Oct	0.000167	0.000999	0.0479	0.00000456	1.4	2.47	0.0235	0.000271	14.2	0.00169	0.00664	0.000134	0.000193	0.0000995	0.0924	0.00000302	0.0000786	0.000292	0.00115	0.000302
2088 Nov	0.000167	0.000999	0.0479	0.00000456	1.4	2.47	0.0235	0.000271	14.2	0.00169	0.00664	0.000134	0.000193	0.0000995	0.0924	0.00000302	0.0000785	0.000292	0.00115	0.000302
2088 Dec	0.000167	0.000999	0.0479	0.00000456	1.4	2.47	0.0235	0.000271	14.2	0.00169	0.00664	0.000134	0.000193	0.0000995	0.0924	0.00000302	0.0000785	0.000292	0.00115	0.000302
2089 Jan	0.000167	0.000999	0.0479	0.00000456	1.4	2.47	0.0235	0.000271	14.2	0.00169	0.00664	0.000134	0.000193	0.0000995	0.0924	0.00000302	0.0000785	0.000292	0.00115	0.000302
2089 Feb	0.000167	0.000999	0.0479	0.00000456	1.4	2.47	0.0235	0.000271	14.2	0.00169	0.00664	0.000134	0.000193	0.0000995	0.0924	0.00000302	0.0000785	0.000292	0.00115	0.000302
2089 Mar	0.000167	0.000999	0.0479	0.00000456	1.4	2.47	0.0235	0.000271	14.2	0.00169	0.00664	0.000134	0.000193	0.0000995	0.0924	0.00000302	0.0000786	0.000292	0.00115	0.000302
2089 Apr	0.000167	0.000999	0.0479	0.00000456	1.4	2.47	0.0235	0.000272	14.2	0.00169	0.00664	0.000134	0.000193	0.0000995	0.0924	0.00000302	0.0000786	0.000292	0.00115	0.000302
2089 May	0.000168	0.001	0.0481	0.00000457	1.4	2.47	0.0236	0.000272	14.2	0.00169	0.00664	0.000135	0.000193	0.0000996	0.0925	0.00000302	0.0000786	0.000293	0.00115	0.000302
2089 Jun	0.000169	0.001	0.0485	0.00000458	1.4	2.48	0.0237	0.000271	14.2	0.00169	0.00665	0.000137	0.000193	0.0000995	0.0926	0.00000302	0.0000785	0.000295	0.00116	0.000301
2089 Jul	0.000169	0.001	0.0486	0.00000459	1.41	2.48	0.0238	0.000272	14.2	0.00169	0.00667	0.000137	0.000193	0.0000997	0.0928	0.00000303	0.0000787	0.000296	0.00116	0.000301
2089 Aug	0.00017	0.001	0.0487	0.0000046	1.41	2.48	0.0238	0.000272	14.2	0.00169	0.00668	0.000137	0.000193	0.0000999	0.0929	0.00000303	0.0000788	0.000296	0.00116	0.000301
2089 Sep	0.00017	0.001	0.0487	0.0000046	1.41	2.48	0.0238	0.000272	14.2	0.00169	0.00668	0.000137	0.000193	0.0000999	0.0929	0.00000303	0.0000788	0.000296	0.00116	0.000301
2089 Oct	0.000169	0.001	0.0487	0.0000046	1.41	2.48	0.0238	0.000272	14.2	0.00169	0.00668	0.000137	0.000193	0.0000996	0.0928	0.00000302	0.0000787	0.000296	0.00116	0.000301
2089 Nov	0.000169	0.001	0.0487	0.0000046	1.41	2.48	0.0238	0.000272	14.2	0.00169	0.00668	0.000137	0.000193	0.0000996	0.0928	0.00000302	0.0000787	0.000296	0.00116	0.0003
2089 Dec	0.000169	0.001	0.0487	0.0000046	1.41	2.48	0.0238	0.000272	14.2	0.00169	0.00668	0.000137	0.000193	0.0000996	0.0928	0.00000302	0.0000787	0.000296	0.00116	0.0003
2090 Jan	0.000169	0.001	0.0487	0.0000046	1.41	2.48	0.0238	0.000272	14.2	0.00169	0.00668	0.000137	0.000193	0.0000996	0.0928	0.00000302	0.0000787	0.000296	0.00116	0.000301
2090 Feb	0.000169	0.001	0.0487	0.0000046	1.41	2.48	0.0238	0.000272	14.2	0.00169	0.00668	0.000137	0.000193	0.0000996	0.0928	0.00000302	0.0000787	0.000296	0.00116	0.000301
2090 Mar	0.000169	0.001	0.0487	0.0000046	1.41	2.48	0.0238	0.000272	14.2	0.00169	0.00668	0.000137	0.000193	0.0000996	0.0928	0.00000302	0.0000787	0.000296	0.00116	0.000301
2090 Apr	0.000169	0.001	0.0487	0.0000046	1.41	2.48	0.0238	0.000272	14.2	0.00169	0.00668	0.000137	0.000193	0.0000997	0.0928	0.00000303	0.0000787	0.000296	0.00116	0.000301
2090 May	0.000169	0.001	0.0488	0.00000461	1.41	2.48	0.0238	0.000272	14.2	0.00169	0.00668	0.000137	0.000193	0.0000997	0.0929	0.00000303	0.0000788	0.000296	0.00116	0.000301
2090 Jun	0.00017	0.001	0.0492	0.00000462	1.41	2.48	0.024	0.000271	14.1	0.00168	0.00668	0.000139	0.000193	0.0000995	0.0928	0.00000301	0.0000785	0.000298	0.00116	0.000299
2090 Jul	0.00017	0.001	0.0493	0.00000463	1.41	2.48	0.024	0.000272	14.1	0.00169	0.0067	0.000139	0.000193	0.0000996	0.0929	0.00000302	0.0000786	0.000299	0.00116	0.000299
2090 Aug	0.00017	0.001	0.0493	0.00000463	1.41	2.48	0.024	0.000272	14.1	0.00169	0.0067	0.000139	0.000193	0.0000995	0.0929	0.00000302	0.0000786	0.000299	0.00116	0.000299
2090 Sep	0.00017	0.001	0.0493	0.00000464	1.4	2.48	0.0239	0.000272	14.1	0.00168	0.00669	0.000139	0.000192	0.0000993	0.0927	0.00000301	0.0000785	0.000298	0.00116	0.000298
2090 Oct	0.00017	0.000998	0.0493	0.00000464	1.4	2.47	0.0239	0.000272	14.1	0.00168	0.00669	0.000138	0.000192	0.0000991	0.0926	0.00000301	0.0000784	0.000297	0.00116	0.000297
2090 Nov	0.00017	0.000998	0.0493	0.00000463	1.4	2.47	0.0238	0.000272	14	0.00168	0.00669	0.000138	0.000192	0.000099	0.0925	0.000003	0.0000783	0.000297	0.00116	0.000297
2090 Dec	0.00017	0.000998	0.0493	0.00000463	1.4	2.47	0.0238	0.000272	14	0.00168	0.00669	0.000138	0.000192	0.000099	0.0925	0.000003	0.0000783	0.000297	0.00116	0.000297
2091 Jan	0.00017	0.000998	0.0493	0.00000463	1.4	2.47	0.0238	0.000272	14	0.00168	0.00669	0.000138	0.000192	0.000099	0.0925	0.000003	0.0000783	0.000297	0.00116	0.000297
2091 Feb	0.00017	0.000998	0.0493	0.00000463	1.4	2.47	0.0238	0.000272	14	0.00168	0.00669	0.000138	0.000192	0.000099	0.0925	0.000003	0.0000783	0.000297	0.00116	0.000297
2091 Mar	0.00017	0.000998	0.0493	0.00000464	1.4	2.47	0.0238	0.000272	14	0.00168	0.00669	0.000138	0.000192	0.000099	0.0925	0.000003	0.0000783	0.000297	0.00116	0.000297
2091 Apr	0.00017	0.000998	0.0493	0.00000464	1.4	2.47	0.0238	0.000272	14	0.00168	0.00669	0.000138	0.000192	0.000099	0.0925	0.00000301	0.0000784	0.000297	0.00116	0.000297
2091 May	0.00017	0.000999	0.0494	0.00000464	1.4	2.47	0.0239	0.000272	14.1	0.00168	0.0067	0.000139	0.000192	0.0000991	0.0927	0.00000301	0.0000784	0.000298	0.00116	0.000297
2091 Jun	0.000171	0.000998	0.0499	0.00000465	1.4	2.48	0.0241	0.000271	14	0.00168	0.0067	0.000141	0.000192	0.000099	0.0927	0.000003	0.0000783	0.000301	0.00116	0.000295
2091 Jul	0.000172	0.001	0.05	0.00000467	1.41	2.48	0.0242	0.000272	14	0.00168	0.00672	0.000141	0.000192	0.0000993	0.093	0.00000301	0.0000785	0.000301	0.00116	0.000296
2091 Aug	0.000172	0.001	0.0501	0.00000467	1.41	2.48	0.0242	0.000272	14	0.00168	0.00673	0.000141	0.000192	0.0000993	0.093	0.00000301	0.0000785	0.000301	0.00116	0.000296
2091 Sep	0.000171	0.001	0.0501	0.00000468	1.41	2.48	0.0242	0.000272	14	0.00168	0.00673	0.000141	0.000192	0.0000992	0.093	0.00000301	0.0000785	0.000301	0.00116	0.000296
2091 Oct	0.000171	0.000999	0.0501	0.00000468	1.4	2.48	0.0241	0.000272	14	0.00168	0.00672	0.000141	0.000192	0.0000991	0.0928	0.000003	0.0000784	0.000301	0.00116	0.000295
2091 Nov	0.000171	0.000999	0.0501	0.00000468	1.4	2.48	0.0241	0.000272	14	0.00168	0.00672	0.000141	0.000191	0.000099	0.0928	0.000003	0.0000783	0.000301	0.00116	0.000295
2091 Dec	0.000171	0.000999	0.0501	0.00000468	1.4	2.48	0.0241	0.000272	14	0.00168	0.00672	0.000141	0.000191	0.000099	0.0928	0.000003	0.0000784	0.000301	0.00116	0.000295

Appendix D.3-3: WES Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2092 Jan	0.000171	0.000999	0.0501	0.00000468	1.4	2.48	0.0241	0.000272	14	0.00168	0.00672	0.000141	0.000191	0.000099	0.0928	0.000003	0.0000784	0.000301	0.00116	0.000295
2092 Feb	0.000171	0.000999	0.0501	0.00000468	1.4	2.48	0.0241	0.000272	14	0.00168	0.00672	0.000141	0.000191	0.000099	0.0928	0.000003	0.0000784	0.000301	0.00116	0.000295
2092 Mar	0.000171	0.000999	0.0501	0.00000468	1.4	2.48	0.0241	0.000272	14	0.00168	0.00672	0.000141	0.000191	0.000099	0.0928	0.000003	0.0000784	0.000301	0.00116	0.000295
2092 Apr	0.000171	0.000999	0.0501	0.00000468	1.4	2.48	0.0241	0.000272	14	0.00168	0.00672	0.000141	0.000191	0.000099	0.0928	0.000003	0.0000784	0.000301	0.00116	0.000295
2092 May	0.000172	0.001	0.0503	0.00000469	1.41	2.48	0.0242	0.000272	14	0.00168	0.00673	0.000141	0.000192	0.0000991	0.0929	0.000003	0.0000784	0.000302	0.00116	0.000295
2092 Jun	0.000173	0.000996	0.0507	0.00000469	1.4	2.48	0.0244	0.000271	13.9	0.00167	0.00672	0.000144	0.000191	0.0000987	0.0928	0.00000298	0.000078	0.000304	0.00116	0.000292
2092 Jul	0.000173	0.000996	0.0508	0.0000047	1.4	2.47	0.0244	0.000271	13.9	0.00167	0.00673	0.000144	0.000191	0.0000987	0.0928	0.00000298	0.000078	0.000304	0.00116	0.000292
2092 Aug	0.000173	0.000998	0.0509	0.00000471	1.4	2.48	0.0244	0.000271	13.9	0.00167	0.00674	0.000144	0.000191	0.0000989	0.093	0.00000299	0.0000782	0.000305	0.00116	0.000292
2092 Sep	0.000173	0.000998	0.0509	0.00000471	1.4	2.48	0.0244	0.000272	13.9	0.00167	0.00674	0.000144	0.000191	0.0000989	0.093	0.00000299	0.0000782	0.000305	0.00117	0.000292
2092 Oct	0.000173	0.000998	0.0509	0.00000471	1.4	2.48	0.0244	0.000272	13.9	0.00167	0.00674	0.000144	0.000191	0.0000988	0.0929	0.00000299	0.0000782	0.000305	0.00116	0.000292
2092 Nov	0.000173	0.000998	0.0509	0.00000471	1.4	2.48	0.0244	0.000272	13.9	0.00167	0.00674	0.000144	0.000191	0.0000988	0.0929	0.00000299	0.0000782	0.000305	0.00116	0.000292
2092 Dec	0.000173	0.000998	0.0509	0.00000471	1.4	2.48	0.0244	0.000272	13.9	0.00167	0.00674	0.000144	0.000191	0.0000988	0.0929	0.00000299	0.0000782	0.000305	0.00116	0.000292
2093 Jan	0.000173	0.000998	0.0509	0.00000471	1.4	2.48	0.0244	0.000272	13.9	0.00167	0.00674	0.000144	0.000191	0.0000988	0.0929	0.00000299	0.0000782	0.000305	0.00116	0.000292
2093 Feb	0.000173	0.000998	0.0509	0.00000471	1.4	2.48	0.0244	0.000272	13.9	0.00167	0.00674	0.000144	0.000191	0.0000988	0.0929	0.00000299	0.0000782	0.000305	0.00116	0.000292
2093 Mar	0.000173	0.000998	0.0509	0.00000472	1.4	2.48	0.0244	0.000272	13.9	0.00167	0.00675	0.000144	0.000191	0.0000988	0.0929	0.00000299	0.0000782	0.000305	0.00116	0.000292
2093 Apr	0.000173	0.000998	0.051	0.00000472	1.4	2.48	0.0244	0.000272	13.9	0.00167	0.00675	0.000144	0.000191	0.0000989	0.093	0.00000299	0.0000782	0.000305	0.00117	0.000292
2093 May	0.000173	0.000999	0.0511	0.00000472	1.41	2.48	0.0245	0.000272	13.9	0.00168	0.00675	0.000144	0.000191	0.0000989	0.0931	0.00000299	0.0000783	0.000306	0.00117	0.000292
2093 Jun	0.000174	0.000997	0.0515	0.00000473	1.4	2.48	0.0247	0.000271	13.9	0.00167	0.00676	0.000146	0.000191	0.0000988	0.0931	0.00000298	0.0000781	0.000308	0.00117	0.000291
2093 Jul	0.000174	0.000999	0.0516	0.00000474	1.41	2.49	0.0247	0.000271	13.9	0.00167	0.00677	0.000146	0.000192	0.0000989	0.0932	0.00000299	0.0000782	0.000308	0.00117	0.000291
2093 Aug	0.000175	0.001	0.0517	0.00000475	1.41	2.49	0.0247	0.000272	13.9	0.00168	0.00678	0.000147	0.000192	0.0000991	0.0934	0.00000299	0.0000783	0.000309	0.00117	0.000291
2093 Sep	0.000175	0.001	0.0517	0.00000475	1.41	2.49	0.0247	0.000272	13.9	0.00168	0.00678	0.000147	0.000192	0.0000991	0.0934	0.00000299	0.0000783	0.000309	0.00117	0.000291
2093 Oct	0.000174	0.000999	0.0517	0.00000475	1.41	2.48	0.0247	0.000272	13.9	0.00167	0.00678	0.000146	0.000191	0.0000988	0.0932	0.00000298	0.0000782	0.000308	0.00117	0.00029
2093 Nov	0.000174	0.000998	0.0517	0.00000475	1.4	2.48	0.0246	0.000272	13.9	0.00167	0.00678	0.000146	0.000191	0.0000987	0.0931	0.00000298	0.0000782	0.000308	0.00117	0.00029
2093 Dec	0.000174	0.000998	0.0517	0.00000475	1.4	2.48	0.0246	0.000272	13.9	0.00167	0.00678	0.000146	0.000191	0.0000987	0.0931	0.00000298	0.0000782	0.000308	0.00117	0.00029
2094 Jan	0.000174	0.000998	0.0517	0.00000475	1.4	2.48	0.0246	0.000272	13.9	0.00167	0.00678	0.000146	0.000191	0.0000987	0.0931	0.00000298	0.0000782	0.000308	0.00117	0.00029
2094 Feb	0.000174	0.000998	0.0517	0.00000475	1.4	2.48	0.0246	0.000272	13.9	0.00167	0.00678	0.000146	0.000191	0.0000987	0.0931	0.00000298	0.0000782	0.000308	0.00117	0.00029
2094 Mar	0.000174	0.000998	0.0517	0.00000475	1.4	2.48	0.0246	0.000272	13.9	0.00167	0.00678	0.000146	0.000191	0.0000987	0.0931	0.00000298	0.0000782	0.000308	0.00117	0.00029
2094 Apr	0.000174	0.000999	0.0517	0.00000475	1.4	2.48	0.0246	0.000272	13.9	0.00167	0.00678	0.000146	0.000191	0.0000987	0.0931	0.00000298	0.0000782	0.000308	0.00117	0.00029
2094 May	0.000175	0.000999	0.0519	0.00000476	1.41	2.49	0.0247	0.000272	13.8	0.00167	0.00678	0.000147	0.000191	0.0000988	0.0932	0.00000298	0.0000782	0.000309	0.00117	0.00029
2094 Jun	0.000176	0.000999	0.0523	0.00000477	1.41	2.49	0.0249	0.000272	13.8	0.00167	0.00679	0.000148	0.000191	0.0000988	0.0934	0.00000298	0.0000781	0.000311	0.00117	0.000289
2094 Jul	0.000176	0.001	0.0524	0.00000479	1.41	2.5	0.025	0.000272	13.9	0.00168	0.00681	0.000149	0.000192	0.000099	0.0936	0.00000299	0.0000784	0.000312	0.00117	0.00029
2094 Aug	0.000177	0.001	0.0526	0.0000048	1.41	2.5	0.025	0.000273	13.9	0.00168	0.00683	0.000149	0.000192	0.0000993	0.0939	0.00000299	0.0000786	0.000313	0.00118	0.000291
2094 Sep	0.000177	0.001	0.0526	0.0000048	1.41	2.5	0.025	0.000273	13.9	0.00168	0.00683	0.000149	0.000192	0.0000993	0.0939	0.00000299	0.0000786	0.000313	0.00118	0.00029
2094 Oct	0.000176	0.001	0.0526	0.0000048	1.41	2.5	0.025	0.000273	13.9	0.00168	0.00683	0.000149	0.000192	0.0000991	0.0938	0.00000299	0.0000785	0.000312	0.00118	0.00029
2094 Nov	0.000176	0.001	0.0525	0.0000048	1.41	2.5	0.025	0.000273	13.8	0.00168	0.00683	0.000149	0.000191	0.000099	0.0936	0.00000299	0.0000784	0.000312	0.00117	0.000289
2094 Dec	0.000176	0.001	0.0525	0.0000048	1.41	2.5	0.0249	0.000273	13.8	0.00168	0.00683	0.000149	0.000191	0.000099	0.0936	0.00000299	0.0000784	0.000312	0.00117	0.000289
2095 Jan	0.000176	0.001	0.0525	0.0000048	1.41	2.5	0.0249	0.000273	13.8	0.00168	0.00683	0.000149	0.000191	0.000099	0.0936	0.00000299	0.0000784	0.000312	0.00117	0.000289
2095 Feb	0.000176	0.001	0.0525	0.0000048	1.41	2.5	0.0249	0.000273	13.8	0.00168	0.00683	0.000149	0.000191	0.000099	0.0936	0.00000299	0.0000784	0.000312	0.00117	0.000289
2095 Mar	0.000176	0.001	0.0526	0.0000048	1.41	2.5	0.0249	0.000273	13.8	0.00168	0.00683	0.000149	0.000191	0.000099	0.0936	0.00000299	0.0000784	0.000312	0.00117	0.000289
2095 Apr	0.000176	0.001	0.0526	0.0000048	1.41	2.5	0.025	0.000273	13.9	0.00168	0.00683	0.000149	0.000191	0.000099	0.0937	0.00000299	0.0000784	0.000312	0.00117	0.000289
2095 May	0.000177	0.001	0.0528	0.00000481	1.41	2.5	0.025	0.000273	13.8	0.00168	0.00683	0.00015	0.000191	0.000099	0.0938	0.00000299	0.0000784	0.000313	0.00118	0.000289
2095 Jun	0.000177	0.001	0.0531	0.00000482	1.41	2.5	0.0252	0.000273	13.8	0.00168	0.00685	0.000151	0.000192	0.0000991	0.0939	0.00000299	0.0000785	0.000315	0.00118	0.000289
2095 Jul	0.000178	0.00101	0.0532	0.00000484	1.42	2.51	0.0253	0.000274	13.9	0.00168	0.00687	0.000151	0.000192	0.0000994	0.0942	0.00000299	0.0000787	0.000316	0.00118	0.000289
2095 Aug	0.000178	0.00101	0.0533	0.00000484	1.42	2.51	0.0253	0.000274	13.9	0.00168	0.00687	0.000151	0.000192	0.0000994	0.0942	0.00000299	0.0000787	0.000315	0.00118	0.000289
2095 Sep	0.000178	0.00101	0.0533	0.00000485	1.42	2.51	0.0253	0.000274	13.9	0.00168	0.00687	0.000151	0.000192	0.0000994	0.0942	0.00000299	0.0000787	0.000315	0.00118	0.000289
2095 Oct	0.000178	0.00101	0.0533	0.00000485	1.42	2.51	0.0253	0.000274	13.9	0.00168	0.00687	0.000151	0.000192	0.0000994	0.0942	0.00000299	0.0000787	0.000315	0.00118	0.000289
2095 Nov	0.000178	0.00101	0.0533	0.00000485	1.42	2.51	0.0252	0.000274	13.9	0.00168	0.00687	0.000151	0.000192	0.0000993	0.0942	0.00000299	0.0000787	0.000315	0.00118	0.000289
2095 Dec	0.000178	0.00101	0.0533	0.00000485	1.42	2.51	0.0252	0.000274	13.9	0.00168	0.00687	0.000151	0.000192	0.0000993	0.0941	0.00000299	0.0000787	0.000315	0.00118	0.000289
2096 Jan	0.000178	0.00101	0.0533	0.00000485	1.42	2.51	0.0252	0.000274	13.9	0.00168	0.00687	0.000151	0.000192	0.0000993	0.0941	0.00000299	0.0000787	0.000315	0.00118	0.000289
2096 Feb	0.000178	0.00101	0.0533	0.00000485	1.42	2.51	0.0252	0.000274	13.9	0.00168	0.00687	0.000151	0.000192	0.0000993	0.0942	0.00000299	0.0000787	0.000315	0.00118	0.000289
2096 Mar	0.000178	0.00101	0.0533	0.00000485	1.42	2.51	0.0252	0.000274	13.9	0.00168	0.00687	0.000151	0.000192	0.0000993	0.0942	0.00000299	0.0000787	0.000315	0.00118	0.000289
2096 Apr	0.000178	0.00101	0.0533	0.00000485	1.42	2.51	0.0252	0.000275	13.9	0.00168	0.00687	0.000151	0.000192	0.0000993	0.0942	0.00000299	0.0000787	0.000315	0.00118	0.000289
2096 May	0.000178	0.00101	0.0534	0.00000485	1.42	2.51	0.0253	0.000275	13.9	0.00168	0.00688	0.000152	0.000192	0.0000994	0.0943	0.00000299	0.0000787	0.000316	0.00118	0.000289
2096 Jun	0.000179	0.001	0.0537	0.00000486	1.41	2.5	0.0254	0.000273	13.8	0.00168	0.00687	0.000153	0.000191	0.000099	0.094	0.00000298	0.0000784	0.000318	0.00118	0.000287
2096 Jul	0.000179	0.001	0.0538	0.00000487	1.42	2.51	0.0254	0.000273	13.8	0.00168	0.00688	0.000153	0.000192	0.0000991	0.0942	0.00000298	0.0000785	0.000318	0.00118	0.000287
2096 Aug	0.000179	0.00101	0.054	0.00000488	1.42	2.51	0.0255	0.000274	13.8	0.00168	0.0069	0.000153	0.000192	0.0000993	0.0944	0.00000299	0.0000787	0.000319	0.00119	0.000288
2096 Sep	0.000179	0.00101	0.054	0.00000489	1.42	2.51	0.0255	0.000274	13.8	0.00168	0.0069	0.000153	0.000192	0.0000993	0.0943	0.00000299	0.0000787	0.000319	0.00119	0.000287
2096 Oct	0.000179	0.00101	0.054	0.00000489	1.42	2.51	0.0254	0.000274	13.8	0.00168	0.0069	0.000153	0.000192	0.000099	0.0942	0.00000298	0.0000786	0.000318	0.00118	0.000286
2096 Nov	0.000179	0.00101	0.054	0.00000489	1.42	2.51	0.0254	0.000274	13.8	0.00168	0.0069	0.000153	0.000191	0.000099	0.0941	0.00000298	0.0000786	0.000318	0.00118	0.000286
2096 Dec	0.000179	0.00101	0.054	0.00000489	1.42	2.51	0.0254	0.000274	13.8	0.00168	0.0069	0.000153	0.000191	0.000099	0.0941	0.00000298	0.0000786	0.000318	0.00118	0.000286
2097 Jan	0.000179	0.00101	0.054	0.00000489	1.42	2.51	0.0254	0.000274	13.8	0.00168	0.0069	0.000153	0.000191	0.000099	0.0941	0.00000298	0.0000786	0.000318	0.00118	0.000286
2097 Feb	0.000179	0.00101	0.054	0.00000489	1.42	2.51	0.0254	0.000274	13.8	0.00168	0.0069	0.000153	0.000191	0.000099	0.0941	0.00000298	0.0000786	0.000318	0.00118	0.000286
2097 Mar	0.000179	0.00101	0.054	0.00000489	1.42	2.51	0.0254	0.000274	13.8	0.00168	0.0069	0.000153	0.000191	0.000099	0.0942	0.00000298	0.0000786	0.000318	0.00118	0.000286
2097 Apr	0.000179	0.00101	0.054	0.00000489	1.42	2.51	0.0254	0.000274	13.8	0.00168	0.0069	0.000153	0.000192	0.000099	0.0942	0.00000298	0.0000786	0.000318	0.00118	0.000286
2097 May	0.000179	0.00101	0.0541	0.0000049	1.42	2.51	0.0255	0.000275	13.8	0.00168	0.00691	0.000153	0.000192	0.0000991	0.0943	0.00000299	0.0000786	0.000319	0.00119	0.000287
2097 Jun	0.00018	0.00101	0.0544	0.0000049	1.42	2.51	0.0256	0.000274	13.8	0.00168	0.00691	0.000155	0.000192	0.0000991	0.0944	0.00000298	0.0000786	0.000321	0.00119	0.000286
2097 Jul	0.00018	0.00101	0.0546	0.00000492	1.42	2.52	0.0257	0.000275	13.8	0.00168	0.00693	0.000155	0.000192	0.0000993	0.0946	0.00000299	0.0000788	0.000321	0.00119	0.000286
2097 Aug	0.000181	0.00101	0.0547	0.00000493	1.42	2.52	0.0257	0.000275	13.8	0.00168	0.00694	0.000155	0.000192	0.0000995	0.0947	0.00000299	0.0000789	0.000322	0.00119	0.000287
2097 Sep	0.000181	0.00101	0.0547	0.00000493	1.42	2.52	0.0257	0.000276	13.8	0.00168	0.00695	0.000156	0.000192	0.0000995	0.0948	0.00000299	0.0000789	0.000322	0.00119	0.000287
2097 Oct	0.000181	0.00101	0.0547	0.00000493	1.42	2.52	0.0257	0.000276	13.8	0.00168	0.00695	0.000155	0.000192	0.0000995	0.0948	0.00000299	0.0000789	0.000322	0.00119	0.000287
2097 Nov	0.000181	0.00101	0.0547	0.00000493	1.42	2.52	0.0257	0.000276	13.8	0.00168	0.00695	0.000155	0.000192	0.0000994	0.0947	0.00000299	0.0000789	0.000322	0.00119	0.000286

Appendix D.3-3: WES Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2097 Dec	0.000181	0.00101	0.0547	0.00000493	1.42	2.52	0.0257	0.000276	13.8	0.00168	0.00695	0.000155	0.000192	0.0000994	0.0947	0.00000299	0.0000789	0.000322	0.00119	0.000286
2098 Jan	0.000181	0.00101	0.0547	0.00000493	1.42	2.52	0.0257	0.000276	13.8	0.00168	0.00695	0.000155	0.000192	0.0000994	0.0947	0.00000299	0.0000789	0.000322	0.00119	0.000286
2098 Feb	0.000181	0.00101	0.0547	0.00000493	1.42	2.52	0.0257	0.000276	13.8	0.00168	0.00695	0.000155	0.000192	0.0000994	0.0947	0.00000299	0.0000789	0.000322	0.00119	0.000286
2098 Mar	0.000181	0.00101	0.0547	0.00000493	1.42	2.52	0.0257	0.000276	13.8	0.00168	0.00695	0.000155	0.000192	0.0000994	0.0947	0.00000299	0.0000789	0.000322	0.00119	0.000286
2098 Apr	0.000181	0.00101	0.0547	0.00000493	1.42	2.52	0.0257	0.000276	13.8	0.00168	0.00695	0.000155	0.000192	0.0000994	0.0947	0.00000299	0.0000789	0.000322	0.00119	0.000286
2098 May	0.000181	0.00101	0.055	0.00000494	1.42	2.53	0.0258	0.000276	13.8	0.00168	0.00696	0.000157	0.000192	0.0000995	0.0949	0.00000299	0.0000789	0.000324	0.00119	0.000286
2098 Jun	0.000182	0.00101	0.0554	0.00000495	1.42	2.52	0.026	0.000274	13.7	0.00168	0.00695	0.000159	0.000192	0.0000992	0.0948	0.00000298	0.0000786	0.000326	0.00119	0.000284
2098 Jul	0.000183	0.00101	0.0556	0.00000496	1.43	2.53	0.0261	0.000275	13.8	0.00168	0.00697	0.000159	0.000192	0.0000995	0.0951	0.00000298	0.0000788	0.000327	0.0012	0.000285
2098 Aug	0.000183	0.00101	0.0557	0.00000497	1.43	2.53	0.0261	0.000275	13.8	0.00168	0.00698	0.000159	0.000192	0.0000995	0.0951	0.00000299	0.0000789	0.000327	0.0012	0.000285
2098 Sep	0.000183	0.00101	0.0556	0.00000497	1.42	2.53	0.026	0.000275	13.7	0.00168	0.00697	0.000159	0.000192	0.0000993	0.095	0.00000298	0.0000788	0.000326	0.00119	0.000284
2098 Oct	0.000182	0.00101	0.0556	0.00000497	1.42	2.52	0.026	0.000275	13.7	0.00168	0.00697	0.000158	0.000191	0.0000991	0.0948	0.00000298	0.0000787	0.000325	0.00119	0.000283
2098 Nov	0.000182	0.00101	0.0556	0.00000497	1.42	2.52	0.026	0.000275	13.7	0.00168	0.00696	0.000158	0.000191	0.000099	0.0948	0.00000297	0.0000786	0.000325	0.00119	0.000283
2098 Dec	0.000182	0.00101	0.0556	0.00000497	1.42	2.52	0.026	0.000275	13.7	0.00168	0.00697	0.000158	0.000191	0.000099	0.0948	0.00000297	0.0000786	0.000325	0.00119	0.000283
2099 Jan	0.000182	0.00101	0.0556	0.00000497	1.42	2.52	0.026	0.000275	13.7	0.00168	0.00697	0.000158	0.000191	0.000099	0.0948	0.00000297	0.0000786	0.000325	0.00119	0.000283
2099 Feb	0.000182	0.00101	0.0556	0.00000497	1.42	2.52	0.026	0.000275	13.7	0.00168	0.00697	0.000158	0.000191	0.000099	0.0948	0.00000297	0.0000786	0.000325	0.00119	0.000283
2099 Mar	0.000182	0.00101	0.0556	0.00000497	1.42	2.52	0.026	0.000275	13.7	0.00168	0.00697	0.000158	0.000191	0.0000991	0.0948	0.00000297	0.0000786	0.000325	0.00119	0.000283
2099 Apr	0.000182	0.00101	0.0556	0.00000497	1.42	2.52	0.026	0.000275	13.7	0.00168	0.00697	0.000158	0.000191	0.0000991	0.0948	0.00000298	0.0000787	0.000325	0.00119	0.000283
2099 May	0.000184	0.00101	0.0562	0.00000498	1.42	2.53	0.0263	0.000275	13.7	0.00168	0.00698	0.00016	0.000191	0.0000991	0.0951	0.00000297	0.0000786	0.000329	0.00119	0.000282
2099 Jun	0.000184	0.00101	0.0564	0.00000498	1.42	2.53	0.0264	0.000274	13.6	0.00167	0.00698	0.000161	0.000191	0.000099	0.0951	0.00000296	0.0000785	0.00033	0.00119	0.000281
2099 Jul	0.000185	0.00101	0.0565	0.000005	1.43	2.53	0.0264	0.000275	13.7	0.00168	0.00699	0.000162	0.000192	0.0000992	0.0953	0.00000297	0.0000787	0.00033	0.0012	0.000282
2099 Aug	0.000185	0.00101	0.0567	0.00000501	1.43	2.54	0.0265	0.000276	13.7	0.00168	0.00701	0.000162	0.000192	0.0000994	0.0955	0.00000298	0.0000788	0.000331	0.0012	0.000282
2099 Sep	0.000185	0.00101	0.0566	0.00000501	1.43	2.54	0.0264	0.000276	13.7	0.00168	0.00701	0.000162	0.000192	0.0000993	0.0954	0.00000297	0.0000788	0.000331	0.0012	0.000282
2099 Oct	0.000185	0.00101	0.0566	0.00000501	1.43	2.53	0.0264	0.000276	13.7	0.00168	0.007	0.000161	0.000191	0.0000991	0.0953	0.00000297	0.0000787	0.00033	0.0012	0.000281
2099 Nov	0.000184	0.00101	0.0566	0.00000501	1.42	2.53	0.0264	0.000276	13.6	0.00168	0.007	0.000161	0.000191	0.0000991	0.0952	0.00000297	0.0000787	0.00033	0.0012	0.000281
2099 Dec	0.000184	0.00101	0.0566	0.00000501	1.42	2.53	0.0264	0.000276	13.6	0.00168	0.007	0.000161	0.000191	0.0000991	0.0952	0.00000297	0.0000787	0.00033	0.0012	0.000281
2100 Jan	0.000184	0.00101	0.0566	0.00000501	1.42	2.53	0.0264	0.000276	13.6	0.00168	0.007	0.000161	0.000191	0.0000991	0.0952	0.00000297	0.0000787	0.00033	0.0012	0.000281
2100 Feb	0.000184	0.00101	0.0566	0.00000501	1.42	2.53	0.0264	0.000276	13.6	0.00168	0.007	0.000161	0.000191	0.0000991	0.0952	0.00000297	0.0000787	0.00033	0.0012	0.000281
2100 Mar	0.000184	0.00101	0.0566	0.00000501	1.42	2.53	0.0264	0.000276	13.6	0.00168	0.007	0.000161	0.000191	0.0000991	0.0952	0.00000297	0.0000787	0.00033	0.0012	0.000281
2100 Apr	0.000185	0.00101	0.0566	0.00000501	1.43	2.53	0.0264	0.000276	13.7	0.00168	0.007	0.000161	0.000191	0.0000991	0.0952	0.00000297	0.0000787	0.00033	0.0012	0.000281
2100 May	0.000185	0.00101	0.0569	0.00000502	1.43	2.54	0.0265	0.000276	13.6	0.00168	0.00701	0.000163	0.000191	0.0000992	0.0954	0.00000297	0.0000787	0.000332	0.0012	0.000281
2100 Jun	0.000186	0.00101	0.0572	0.00000502	1.42	2.53	0.0267	0.000275	13.6	0.00167	0.00701	0.000164	0.000191	0.0000989	0.0953	0.00000296	0.0000784	0.000333	0.0012	0.000279
2100 Jul	0.000186	0.00101	0.0573	0.00000503	1.42	2.53	0.0267	0.000275	13.6	0.00167	0.00701	0.000164	0.000191	0.0000989	0.0953	0.00000296	0.0000785	0.000334	0.0012	0.000279
2100 Aug	0.000186	0.00101	0.0573	0.00000503	1.42	2.53	0.0267	0.000275	13.6	0.00167	0.00701	0.000164	0.000191	0.0000989	0.0953	0.00000296	0.0000784	0.000333	0.0012	0.000279
2100 Sep	0.000186	0.00101	0.0573	0.00000503	1.42	2.53	0.0266	0.000275	13.6	0.00167	0.00701	0.000164	0.000191	0.0000989	0.0953	0.00000296	0.0000784	0.000333	0.0012	0.000279
2100 Oct	0.000186	0.00101	0.0573	0.00000504	1.42	2.53	0.0266	0.000275	13.6	0.00167	0.00702	0.000164	0.000191	0.0000989	0.0953	0.00000296	0.0000785	0.000333	0.0012	0.000278
2100 Nov	0.000186	0.00101	0.0573	0.00000504	1.42	2.53	0.0266	0.000275	13.6	0.00167	0.00702	0.000164	0.000191	0.0000989	0.0953	0.00000296	0.0000785	0.000333	0.0012	0.000278
2100 Dec	0.000186	0.00101	0.0573	0.00000504	1.42	2.53	0.0266	0.000275	13.6	0.00167	0.00702	0.000164	0.000191	0.0000989	0.0953	0.00000296	0.0000785	0.000333	0.0012	0.000279
2101 Jan	0.000186	0.00101	0.0573	0.00000504	1.42	2.53	0.0266	0.000275	13.6	0.00167	0.00702	0.000164	0.000191	0.0000989	0.0953	0.00000296	0.0000785	0.000333	0.0012	0.000279
2101 Feb	0.000186	0.00101	0.0573	0.00000504	1.42	2.53	0.0266	0.000275	13.6	0.00167	0.00702	0.000164	0.000191	0.0000989	0.0953	0.00000296	0.0000785	0.000333	0.0012	0.000279
2101 Mar	0.000186	0.00101	0.0573	0.00000504	1.42	2.53	0.0266	0.000275	13.6	0.00167	0.00702	0.000164	0.000191	0.0000989	0.0953	0.00000296	0.0000785	0.000333	0.0012	0.000279
2101 Apr	0.000186	0.00101	0.0573	0.00000504	1.42	2.53	0.0266	0.000275	13.6	0.00167	0.00702	0.000164	0.000191	0.0000989	0.0953	0.00000296	0.0000785	0.000333	0.0012	0.000279
2101 May	0.000187	0.00101	0.0576	0.00000505	1.43	2.54	0.0268	0.000275	13.6	0.00167	0.00703	0.000165	0.000191	0.000099	0.0955	0.00000296	0.0000785	0.000335	0.0012	0.000278
2101 Jun	0.000187	0.00101	0.0579	0.00000505	1.42	2.54	0.0269	0.000274	13.5	0.00167	0.00703	0.000167	0.000191	0.0000988	0.0955	0.00000295	0.0000783	0.000336	0.0012	0.000277
2101 Jul	0.000188	0.00101	0.058	0.00000506	1.43	2.54	0.0269	0.000275	13.6	0.00167	0.00704	0.000167	0.000191	0.0000991	0.0957	0.00000296	0.0000785	0.000337	0.0012	0.000278
2101 Aug	0.000188	0.00101	0.0581	0.00000508	1.43	2.55	0.027	0.000276	13.6	0.00168	0.00706	0.000167	0.000192	0.0000993	0.0959	0.00000296	0.0000787	0.000338	0.0012	0.000278
2101 Sep	0.000188	0.00101	0.0581	0.00000508	1.43	2.55	0.027	0.000276	13.6	0.00168	0.00706	0.000167	0.000191	0.0000992	0.0959	0.00000296	0.0000787	0.000338	0.0012	0.000278
2101 Oct	0.000188	0.00101	0.0582	0.00000508	1.43	2.55	0.027	0.000276	13.6	0.00168	0.00706	0.000167	0.000191	0.0000992	0.0958	0.00000296	0.0000787	0.000337	0.0012	0.000278
2101 Nov	0.000188	0.00101	0.0581	0.00000508	1.43	2.54	0.0269	0.000276	13.6	0.00167	0.00706	0.000167	0.000191	0.0000991	0.0957	0.00000296	0.0000786	0.000337	0.0012	0.000277
2101 Dec	0.000188	0.00101	0.0581	0.00000508	1.43	2.54	0.0269	0.000276	13.6	0.00167	0.00706	0.000167	0.000191	0.0000991	0.0957	0.00000296	0.0000786	0.000337	0.0012	0.000277
2102 Jan	0.000188	0.00101	0.0581	0.00000508	1.43	2.54	0.0269	0.000276	13.6	0.00167	0.00706	0.000167	0.000191	0.0000991	0.0957	0.00000296	0.0000786	0.000337	0.0012	0.000277
2102 Feb	0.000188	0.00101	0.0581	0.00000508	1.43	2.54	0.0269	0.000276	13.6	0.00167	0.00706	0.000167	0.000191	0.0000991	0.0957	0.00000296	0.0000786	0.000337	0.0012	0.000277
2102 Mar	0.000188	0.00101	0.0581	0.00000508	1.43	2.54	0.0269	0.000276	13.6	0.00167	0.00706	0.000167	0.000191	0.0000991	0.0957	0.00000296	0.0000786	0.000337	0.0012	0.000277
2102 Apr	0.000188	0.00101	0.0581	0.00000508	1.43	2.54	0.0269	0.000276	13.6	0.00167	0.00706	0.000167	0.000191	0.0000991	0.0958	0.00000296	0.0000786	0.000337	0.0012	0.000277
2102 May	0.000188	0.00101	0.0582	0.00000508	1.43	2.55	0.027	0.000276	13.6	0.00168	0.00706	0.000167	0.000191	0.0000991	0.0958	0.00000296	0.0000787	0.000337	0.0012	0.000278
2102 Jun	0.000187	0.00101	0.0582	0.00000509	1.43	2.54	0.0269	0.000275	13.5	0.00167	0.00706	0.000166	0.000191	0.0000988	0.0955	0.00000295	0.0000784	0.000337	0.0012	0.000276
2102 Jul	0.000187	0.00101	0.0582	0.0000051	1.42	2.53	0.0269	0.000275	13.5	0.00167	0.00706	0.000166	0.000191	0.0000987	0.0954	0.00000295	0.0000784	0.000338	0.00121	0.000276
2102 Aug	0.000187	0.00101	0.0583	0.00000511	1.43	2.54	0.0269	0.000275	13.5	0.00167	0.00707	0.000167	0.000191	0.0000988	0.0955	0.00000295	0.0000785	0.000338	0.00121	0.000276
2102 Sep	0.000187	0.00101	0.0583	0.00000511	1.43	2.54	0.0269	0.000275	13.5	0.00167	0.00708	0.000167	0.000191	0.0000988	0.0955	0.00000295	0.0000785	0.000338	0.00121	0.000276
2102 Oct	0.000187	0.00101	0.0583	0.00000511	1.42	2.53	0.0268	0.000275	13.5	0.00167	0.00707	0.000166	0.000191	0.0000986	0.0954	0.00000295	0.0000784	0.000337	0.00121	0.000275
2102 Nov	0.000187	0.00101	0.0583	0.00000511	1.42	2.53	0.0268	0.000275	13.5	0.00167	0.00707	0.000166	0.000191	0.0000986	0.0954	0.00000295	0.0000784	0.000337	0.00121	0.000275
2102 Dec	0.000187	0.00101	0.0583	0.00000511	1.42	2.53	0.0268	0.000275	13.5	0.00167	0.00707	0.000166	0.000191	0.0000986	0.0954	0.00000295	0.0000784	0.000337	0.00121	0.000275
2103 Jan	0.000187	0.00101	0.0583	0.00000511	1.42	2.53	0.0268	0.000275	13.5	0.00167	0.00707	0.000166	0.000191	0.0000986	0.0954	0.00000295	0.0000784	0.000337	0.00121	0.000275
2103 Feb	0.000187	0.00101	0.0583	0.00000511	1.42	2.53	0.0268	0.000275	13.5	0.00167	0.00707	0.000166	0.000191	0.0000986	0.0954	0.00000295	0.0000784	0.000337	0.00121	0.000275
2103 Mar	0.000187	0.00101	0.0583	0.00000511	1.42	2.53	0.0268	0.000275	13.5	0.00167	0.00707	0.000166	0.000191	0.0000986	0.0954	0.00000295	0.0000784	0.000337	0.00121	0.000275
2103 Apr	0.000187	0.00101	0.0583	0.00000511	1.42	2.53	0.0268	0.000275	13.5	0.00167	0.00707	0.000166	0.000191	0.0000986	0.0954	0.00000295	0.0000784	0.000337	0.00121	0.000275
2103 May	0.000188	0.00101	0.0585	0.00000512	1.43	2.54	0.0269	0.000275	13.5	0.00167	0.00708	0.000167	0.000191	0.0000987	0.0956	0.00000295	0.0000785	0.000339	0.00121	0.000275
2103 Jun	0.000188	0.00101	0.0589	0.00000513	1.42	2.54	0.0271	0.000274	13.4	0.00167	0.00708	0.000169	0.000191	0.0000985	0.0955	0.00000294	0.0000782	0.000341	0.00121	0.000273
2103 Jul	0.000189	0.00101	0.059	0.00000513	1.42	2.54	0.0271	0.000274	13.4	0.00167	0.00708	0.000169	0.000191	0.0000986	0.0956	0.00000294	0.0000783	0.000341	0.00121	0.000273
2103 Aug	0.000189	0.00101	0.0591	0.00000514	1.43	2.54	0.0271	0.000274	13.4	0.00167	0.00709	0.000169	0.000191	0.0000985	0.0956	0.00000294	0.0000783	0.000341	0.00121	0.000273
2103 Sep	0.000188	0.00101	0.0591	0.00000514	1.42	2.54	0.0271	0.000275	13.4	0.00167	0.00709	0.000169	0.000191	0.0000985	0.0955	0.00000294	0.0000783	0.000341	0.00121	0.000273
2103 Oct	0.000188	0.00101	0.059	0.00000514	1.42	2.53	0.027	0.000274	13.4	0.00166	0.00709	0.000168	0.00019	0.0000982	0.0954	0.00000293	0.0000782	0.00034	0.00121	0.000272
2103 Nov	0.000188	0.00101	0.059	0.00000514	1.42	2.53	0.027	0.000275	13.4	0.00166	0.00708	0.000168	0.00019	0.0000982	0.0953	0.00000293	0.0000781	0.00034	0.00121	0.000272

Appendix D.3-3: WES Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2103 Dec	0.000188	0.00101	0.059	0.00000514	1.42	2.53	0.027	0.000275	13.4	0.00166	0.00708	0.000168	0.00019	0.0000982	0.0953	0.00000293	0.0000781	0.00034	0.00121	0.000272
2104 Jan	0.000188	0.00101	0.059	0.00000514	1.42	2.53	0.027	0.000275	13.4	0.00166	0.00708	0.000168	0.00019	0.0000982	0.0953	0.00000293	0.0000781	0.00034	0.00121	0.000272
2104 Feb	0.000188	0.00101	0.059	0.00000514	1.42	2.53	0.027	0.000275	13.4	0.00166	0.00708	0.000168	0.00019	0.0000982	0.0953	0.00000293	0.0000781	0.00034	0.00121	0.000272
2104 Mar	0.000188	0.00101	0.059	0.00000514	1.42	2.53	0.027	0.000275	13.4	0.00166	0.00708	0.000168	0.00019	0.0000982	0.0953	0.00000293	0.0000781	0.00034	0.00121	0.000272
2104 Apr	0.000188	0.00101	0.059	0.00000514	1.42	2.53	0.027	0.000275	13.4	0.00166	0.00709	0.000168	0.00019	0.0000982	0.0953	0.00000293	0.0000782	0.00034	0.00121	0.000272
2104 May	0.000189	0.00101	0.0593	0.00000515	1.42	2.53	0.0272	0.000275	13.4	0.00166	0.0071	0.00017	0.00019	0.0000983	0.0955	0.00000293	0.0000782	0.000342	0.00121	0.000272
2104 Jun	0.000189	0.001	0.0596	0.00000516	1.42	2.53	0.0273	0.000274	13.3	0.00166	0.00709	0.000171	0.00019	0.0000981	0.0954	0.00000292	0.000078	0.000343	0.00121	0.00027
2104 Jul	0.00019	0.00101	0.0597	0.00000517	1.42	2.54	0.0273	0.000274	13.3	0.00166	0.0071	0.000171	0.00019	0.0000982	0.0956	0.00000293	0.0000781	0.000344	0.00121	0.000271
2104 Aug	0.00019	0.00101	0.0598	0.00000517	1.42	2.54	0.0274	0.000274	13.3	0.00166	0.00711	0.000172	0.00019	0.0000983	0.0957	0.00000293	0.0000782	0.000344	0.00121	0.000271
2104 Sep	0.00019	0.00101	0.0598	0.00000518	1.42	2.54	0.0273	0.000274	13.3	0.00166	0.00711	0.000171	0.00019	0.0000982	0.0956	0.00000293	0.0000781	0.000344	0.00121	0.00027
2104 Oct	0.00019	0.00101	0.0597	0.00000518	1.42	2.53	0.0273	0.000274	13.3	0.00166	0.00711	0.000171	0.00019	0.0000981	0.0955	0.00000292	0.000078	0.000343	0.00121	0.00027
2104 Nov	0.000189	0.00101	0.0597	0.00000518	1.42	2.53	0.0273	0.000274	13.3	0.00166	0.00711	0.000171	0.000189	0.000098	0.0955	0.00000292	0.000078	0.000343	0.00121	0.00027
2104 Dec	0.000189	0.00101	0.0597	0.00000518	1.42	2.53	0.0273	0.000274	13.3	0.00166	0.00711	0.000171	0.000189	0.000098	0.0955	0.00000292	0.000078	0.000343	0.00121	0.00027
2105 Jan	0.000189	0.00101	0.0597	0.00000518	1.42	2.53	0.0273	0.000274	13.3	0.00166	0.00711	0.000171	0.000189	0.000098	0.0955	0.00000292	0.000078	0.000343	0.00121	0.00027
2105 Feb	0.000189	0.00101	0.0597	0.00000518	1.42	2.53	0.0273	0.000274	13.3	0.00166	0.00711	0.000171	0.000189	0.000098	0.0955	0.00000292	0.000078	0.000343	0.00121	0.00027
2105 Mar	0.000189	0.00101	0.0597	0.00000518	1.42	2.53	0.0273	0.000274	13.3	0.00166	0.00711	0.000171	0.000189	0.000098	0.0955	0.00000292	0.000078	0.000343	0.00121	0.00027
2105 Apr	0.00019	0.00101	0.0598	0.00000518	1.42	2.53	0.0273	0.000274	13.3	0.00166	0.00711	0.000171	0.00019	0.0000981	0.0955	0.00000292	0.000078	0.000343	0.00121	0.00027
2105 May	0.00019	0.00101	0.06	0.00000518	1.42	2.54	0.0274	0.000274	13.3	0.00166	0.00712	0.000172	0.00019	0.0000981	0.0956	0.00000292	0.000078	0.000345	0.00121	0.000269
2105 Jun	0.000191	0.00101	0.0603	0.00000519	1.42	2.54	0.0275	0.000274	13.3	0.00166	0.00712	0.000173	0.00019	0.0000981	0.0957	0.00000292	0.000078	0.000346	0.00121	0.000269
2105 Jul	0.000191	0.00101	0.0604	0.0000052	1.43	2.54	0.0276	0.000275	13.3	0.00166	0.00713	0.000174	0.00019	0.0000983	0.0959	0.00000293	0.0000781	0.000347	0.00121	0.000269
2105 Aug	0.000191	0.00101	0.0604	0.00000521	1.42	2.54	0.0275	0.000275	13.3	0.00166	0.00713	0.000173	0.00019	0.0000982	0.0958	0.00000292	0.0000781	0.000346	0.00121	0.000269
2105 Sep	0.000191	0.00101	0.0603	0.0000052	1.42	2.54	0.0275	0.000275	13.2	0.00166	0.00713	0.000173	0.000189	0.000098	0.0956	0.00000292	0.000078	0.000345	0.00121	0.000268
2105 Oct	0.00019	0.001	0.0603	0.0000052	1.42	2.53	0.0274	0.000275	13.2	0.00165	0.00712	0.000173	0.000189	0.0000978	0.0955	0.00000291	0.0000779	0.000345	0.00121	0.000268
2105 Nov	0.00019	0.001	0.0603	0.0000052	1.42	2.53	0.0274	0.000275	13.2	0.00165	0.00712	0.000172	0.000189	0.0000978	0.0954	0.00000291	0.0000779	0.000345	0.00121	0.000267
2105 Dec	0.00019	0.001	0.0603	0.0000052	1.42	2.53	0.0274	0.000275	13.2	0.00165	0.00712	0.000172	0.000189	0.0000978	0.0954	0.00000291	0.0000779	0.000345	0.00121	0.000267
2106 Jan	0.00019	0.001	0.0603	0.0000052	1.42	2.53	0.0274	0.000275	13.2	0.00165	0.00712	0.000172	0.000189	0.0000978	0.0954	0.00000291	0.0000779	0.000345	0.00121	0.000267
2106 Feb	0.00019	0.001	0.0603	0.0000052	1.42	2.53	0.0274	0.000275	13.2	0.00165	0.00712	0.000172	0.000189	0.0000978	0.0954	0.00000291	0.0000779	0.000345	0.00121	0.000267
2106 Mar	0.00019	0.001	0.0603	0.0000052	1.42	2.53	0.0274	0.000275	13.2	0.00165	0.00712	0.000172	0.000189	0.0000978	0.0954	0.00000291	0.0000779	0.000345	0.00121	0.000267
2106 Apr	0.00019	0.001	0.0603	0.0000052	1.42	2.53	0.0274	0.000275	13.2	0.00165	0.00712	0.000172	0.000189	0.0000978	0.0955	0.00000291	0.0000779	0.000345	0.00121	0.000267
2106 May	0.000191	0.001	0.0604	0.00000521	1.42	2.53	0.0275	0.000275	13.2	0.00165	0.00713	0.000173	0.000189	0.0000979	0.0956	0.00000291	0.0000779	0.000345	0.00121	0.000267
2106 Jun	0.000191	0.001	0.0607	0.00000522	1.42	2.53	0.0276	0.000274	13.2	0.00165	0.00713	0.000174	0.000189	0.0000976	0.0955	0.0000029	0.0000777	0.000347	0.00121	0.000266
2106 Jul	0.000191	0.001	0.0608	0.00000523	1.42	2.53	0.0276	0.000274	13.2	0.00165	0.00714	0.000175	0.000189	0.0000977	0.0956	0.00000291	0.0000778	0.000348	0.00121	0.000266
2106 Aug	0.000191	0.001	0.0609	0.00000523	1.42	2.53	0.0276	0.000274	13.2	0.00165	0.00714	0.000174	0.000189	0.0000977	0.0956	0.00000291	0.0000778	0.000347	0.00121	0.000266
2106 Sep	0.000191	0.001	0.0608	0.00000524	1.42	2.53	0.0276	0.000274	13.1	0.00165	0.00714	0.000174	0.000188	0.0000975	0.0955	0.0000029	0.0000777	0.000347	0.00121	0.000265
2106 Oct	0.000191	0.001	0.0608	0.00000524	1.42	2.53	0.0275	0.000274	13.1	0.00165	0.00714	0.000174	0.000188	0.0000975	0.0954	0.0000029	0.0000777	0.000347	0.00121	0.000265
2106 Nov	0.000191	0.001	0.0608	0.00000524	1.42	2.53	0.0275	0.000274	13.1	0.00165	0.00714	0.000174	0.000188	0.0000975	0.0954	0.0000029	0.0000777	0.000347	0.00121	0.000265
2106 Dec	0.000191	0.001	0.0608	0.00000524	1.42	2.53	0.0275	0.000274	13.1	0.00165	0.00714	0.000174	0.000188	0.0000975	0.0954	0.0000029	0.0000777	0.000347	0.00121	0.000265
2107 Jan	0.000191	0.001	0.0608	0.00000524	1.42	2.53	0.0275	0.000274	13.1	0.00165	0.00714	0.000174	0.000188	0.0000975	0.0954	0.0000029	0.0000777	0.000347	0.00121	0.000265
2107 Feb	0.000191	0.001	0.0608	0.00000524	1.42	2.53	0.0275	0.000274	13.1	0.00165	0.00714	0.000174	0.000188	0.0000975	0.0954	0.0000029	0.0000777	0.000347	0.00121	0.000265
2107 Mar	0.000191	0.001	0.0609	0.00000524	1.42	2.53	0.0275	0.000274	13.1	0.00165	0.00714	0.000174	0.000188	0.0000975	0.0954	0.0000029	0.0000777	0.000347	0.00121	0.000265
2107 Apr	0.000191	0.001	0.0609	0.00000524	1.42	2.53	0.0275	0.000274	13.1	0.00165	0.00714	0.000174	0.000188	0.0000975	0.0955	0.0000029	0.0000777	0.000347	0.00121	0.000265
2107 May	0.000191	0.001	0.061	0.00000524	1.42	2.53	0.0276	0.000274	13.1	0.00165	0.00715	0.000175	0.000188	0.0000976	0.0955	0.0000029	0.0000777	0.000348	0.00121	0.000265
2107 Jun	0.000192	0.001	0.0613	0.00000525	1.42	2.53	0.0278	0.000274	13.1	0.00165	0.00715	0.000176	0.000188	0.0000975	0.0956	0.0000029	0.0000777	0.000349	0.00121	0.000264
2107 Jul	0.000192	0.001	0.0614	0.00000526	1.42	2.54	0.0278	0.000274	13.1	0.00165	0.00716	0.000176	0.000189	0.0000976	0.0957	0.0000029	0.0000777	0.00035	0.00121	0.000264
2107 Aug	0.000193	0.00101	0.0615	0.00000527	1.42	2.54	0.0278	0.000275	13.1	0.00165	0.00717	0.000177	0.000189	0.0000978	0.0959	0.00000291	0.0000779	0.00035	0.00122	0.000265
2107 Sep	0.000193	0.00101	0.0616	0.00000528	1.42	2.54	0.0278	0.000275	13.1	0.00165	0.00718	0.000177	0.000189	0.0000978	0.0959	0.00000291	0.0000779	0.00035	0.00122	0.000265
2107 Oct	0.000193	0.00101	0.0615	0.00000528	1.42	2.54	0.0278	0.000275	13.1	0.00165	0.00718	0.000176	0.000189	0.0000977	0.0958	0.00000291	0.0000779	0.00035	0.00122	0.000264
2107 Nov	0.000192	0.001	0.0615	0.00000528	1.42	2.54	0.0278	0.000275	13.1	0.00165	0.00718	0.000176	0.000189	0.0000977	0.0958	0.0000029	0.0000778	0.00035	0.00122	0.000264
2107 Dec	0.000192	0.001	0.0615	0.00000528	1.42	2.54	0.0278	0.000275	13.1	0.00165	0.00718	0.000176	0.000189	0.0000977	0.0958	0.0000029	0.0000778	0.00035	0.00122	0.000264
2108 Jan	0.000192	0.001	0.0615	0.00000528	1.42	2.54	0.0278	0.000275	13.1	0.00165	0.00718	0.000176	0.000189	0.0000977	0.0958	0.0000029	0.0000778	0.00035	0.00122	0.000264
2108 Feb	0.000192	0.001	0.0615	0.00000528	1.42	2.54	0.0278	0.000275	13.1	0.00165	0.00718	0.000176	0.000189	0.0000977	0.0958	0.0000029	0.0000778	0.00035	0.00122	0.000264
2108 Mar	0.000192	0.00101	0.0615	0.00000528	1.42	2.54	0.0278	0.000275	13.1	0.00165	0.00718	0.000176	0.000189	0.0000977	0.0958	0.0000029	0.0000778	0.00035	0.00122	0.000264
2108 Apr	0.000193	0.00101	0.0616	0.00000528	1.42	2.54	0.0278	0.000275	13.1	0.00165	0.00718	0.000176	0.000189	0.0000977	0.0958	0.00000291	0.0000779	0.00035	0.00122	0.000264
2108 May	0.000193	0.00101	0.0616	0.00000528	1.42	2.54	0.0278	0.000275	13.1	0.00165	0.00719	0.000177	0.000189	0.0000978	0.0959	0.00000291	0.000078	0.00035	0.00122	0.000265
2108 Jun	0.000193	0.00101	0.0618	0.00000529	1.42	2.54	0.0279	0.000275	13.1	0.00165	0.00719	0.000177	0.000189	0.0000977	0.0959	0.0000029	0.0000778	0.000351	0.00122	0.000264
2108 Jul	0.000193	0.00101	0.062	0.00000531	1.43	2.54	0.0279	0.000275	13.1	0.00165	0.00721	0.000177	0.000189	0.0000979	0.0961	0.00000291	0.000078	0.000352	0.00122	0.000264
2108 Aug	0.000194	0.00101	0.0621	0.00000532	1.43	2.55	0.028	0.000276	13.2	0.00166	0.00723	0.000178	0.00019	0.0000981	0.0963	0.00000292	0.0000782	0.000353	0.00123	0.000265
2108 Sep	0.000194	0.00101	0.0621	0.00000533	1.43	2.55	0.028	0.000276	13.2	0.00166	0.00723	0.000178	0.00019	0.0000981	0.0963	0.00000292	0.0000782	0.000353	0.00123	0.000265
2108 Oct	0.000193	0.00101	0.0621	0.00000532	1.43	2.55	0.0279	0.000276	13.1	0.00166	0.00722	0.000177	0.000189	0.0000979	0.0961	0.00000291	0.0000781	0.000352	0.00122	0.000264
2108 Nov	0.000193	0.00101	0.0621	0.00000532	1.43	2.55	0.0279	0.000276	13.1	0.00166	0.00722	0.000177	0.000189	0.0000978	0.0961	0.00000291	0.0000781	0.000352	0.00122	0.000264
2108 Dec	0.000193	0.00101	0.0621	0.00000532	1.43	2.55	0.0279	0.000276	13.1	0.00166	0.00722	0.000177	0.000189	0.0000978	0.0961	0.00000291	0.0000781	0.000352	0.00122	0.000264
2109 Jan	0.000193	0.00101	0.0621	0.00000532	1.43	2.55	0.0279	0.000276	13.1	0.00166	0.00722	0.000177	0.000189	0.0000979	0.0961	0.00000291	0.0000781	0.000352	0.00122	0.000264
2109 Feb	0.000193	0.00101	0.0621	0.00000532	1.43	2.55	0.0279	0.000276	13.1	0.00166	0.00722	0.000177	0.000189	0.0000979	0.0961	0.00000291	0.0000781	0.000352	0.00122	0.000264
2109 Mar	0.000193	0.00101	0.0621	0.00000532	1.43	2.55	0.0279	0.000276	13.1	0.00166	0.00722	0.000177	0.000189	0.0000979	0.0961	0.00000291	0.0000781	0.000352	0.00122	0.000264
2109 Apr	0.000193	0.00101	0.0621	0.00000532	1.43	2.55	0.0279	0.000276	13.1	0.00166	0.00722	0.000177	0.000189	0.0000979	0.0961	0.00000291	0.0000781	0.000352	0.00122	0.000264
2109 May	0.000194	0.00101	0.0623	0.00000533	1.43	2.55	0.028	0.000276	13.1	0.00166	0.00723	0.000178	0.000189	0.0000979	0.0963	0.00000291	0.0000781	0.000354	0.00122	0.000264
2109 Jun	0.000195	0.00101	0.0627	0.00000534	1.43	2.55	0.0282	0.000276	13.1	0.00166	0.00724	0.00018	0.000189	0.000098	0.0964	0.00000291	0.0000781	0.000356	0.00123	0.000263
2109 Jul	0.000195	0.00101	0.0627	0.00000535	1.43	2.56	0.0282	0.000276	13.1	0.00166	0.00725	0.00018	0.00019	0.0000981	0.0965	0.00000291	0.0000782	0.000356	0.00123	0.000263
2109 Aug	0.000195	0.00101	0.0628	0.00000536	1.43	2.56	0.0282	0.000277	13.1	0.00166	0.00726	0.00018	0.00019	0.0000982	0.0966	0.00000292	0.0000783	0.000356	0.00123	0.000263
2109 Sep	0.000195	0.00101	0.0628	0.00000536	1.43	2.56	0.0282	0.000277	13.1	0.00166	0.00726	0.00018	0.000189	0.0000981	0.0965	0.00000291	0.0000783	0.000356	0.00123	0.000263
2109 Oct	0.000195	0.00101	0.0628	0.00000536	1.43	2.55	0.0281	0.000277	13.1	0.00165	0.00725	0.000179	0.000189	0.0000978	0.0963	0.00000291	0.0000781	0.000355	0.00123	0.000262

Appendix D.3-3: WES Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2109 Nov	0.000195	0.00101	0.0628	0.00000536	1.43	2.55	0.0281	0.000277	13.1	0.00165	0.00725	0.000179	0.000189	0.0000978	0.0963	0.00000291	0.0000781	0.000355	0.00123	0.000262
2109 Dec	0.000195	0.00101	0.0628	0.00000536	1.43	2.55	0.0281	0.000277	13.1	0.00165	0.00725	0.000179	0.000189	0.0000978	0.0963	0.00000291	0.0000781	0.000355	0.00123	0.000262
2110 Jan	0.000195	0.00101	0.0628	0.00000536	1.43	2.55	0.0281	0.000277	13.1	0.00165	0.00725	0.000179	0.000189	0.0000978	0.0963	0.00000291	0.0000781	0.000355	0.00123	0.000262
2110 Feb	0.000195	0.00101	0.0628	0.00000536	1.43	2.55	0.0281	0.000277	13.1	0.00165	0.00725	0.000179	0.000189	0.0000978	0.0963	0.00000291	0.0000781	0.000355	0.00123	0.000262
2110 Mar	0.000195	0.00101	0.0628	0.00000536	1.43	2.55	0.0281	0.000277	13.1	0.00165	0.00725	0.000179	0.000189	0.0000978	0.0963	0.00000291	0.0000781	0.000355	0.00123	0.000262
2110 Apr	0.000195	0.00101	0.0628	0.00000536	1.43	2.55	0.0281	0.000277	13.1	0.00165	0.00726	0.000179	0.000189	0.0000978	0.0964	0.00000291	0.0000781	0.000355	0.00123	0.000262
2110 May	0.000195	0.00101	0.0629	0.00000537	1.43	2.55	0.0282	0.000277	13.1	0.00166	0.00726	0.00018	0.000189	0.0000979	0.0964	0.00000291	0.0000782	0.000355	0.00123	0.000262
2110 Jun	0.000196	0.00101	0.0632	0.00000537	1.43	2.55	0.0283	0.000276	13	0.00165	0.00726	0.000181	0.000189	0.0000977	0.0964	0.0000029	0.000078	0.000357	0.00123	0.000261
2110 Jul	0.000196	0.00101	0.0633	0.00000538	1.43	2.55	0.0284	0.000276	13	0.00165	0.00727	0.000182	0.000189	0.0000978	0.0965	0.0000029	0.0000781	0.000358	0.00123	0.000261
2110 Aug	0.000195	0.00101	0.0633	0.00000538	1.43	2.55	0.0283	0.000276	13	0.00165	0.00726	0.000181	0.000188	0.0000975	0.0963	0.0000029	0.0000779	0.000357	0.00123	0.00026
2110 Sep	0.000195	0.00101	0.0632	0.00000538	1.42	2.54	0.0282	0.000276	13	0.00165	0.00725	0.00018	0.000188	0.0000973	0.096	0.00000289	0.0000777	0.000356	0.00122	0.000259
2110 Oct	0.000194	0.001	0.0631	0.00000538	1.42	2.54	0.0281	0.000276	12.9	0.00164	0.00725	0.00018	0.000187	0.000097	0.0958	0.00000288	0.0000776	0.000355	0.00122	0.000258
2110 Nov	0.000194	0.001	0.0631	0.00000538	1.42	2.53	0.0281	0.000275	12.9	0.00164	0.00724	0.00018	0.000187	0.000097	0.0958	0.00000288	0.0000776	0.000355	0.00122	0.000258
2110 Dec	0.000194	0.001	0.0631	0.00000538	1.42	2.53	0.0281	0.000276	12.9	0.00164	0.00724	0.00018	0.000187	0.000097	0.0958	0.00000288	0.0000776	0.000355	0.00122	0.000258
2111 Jan	0.000194	0.001	0.0631	0.00000538	1.42	2.53	0.0281	0.000276	12.9	0.00164	0.00724	0.00018	0.000187	0.000097	0.0958	0.00000288	0.0000776	0.000355	0.00122	0.000258
2111 Feb	0.000194	0.001	0.0631	0.00000538	1.42	2.53	0.0281	0.000276	12.9	0.00164	0.00724	0.00018	0.000187	0.000097	0.0958	0.00000288	0.0000776	0.000355	0.00122	0.000258
2111 Mar	0.000194	0.001	0.0631	0.00000538	1.42	2.53	0.0281	0.000276	12.9	0.00164	0.00724	0.00018	0.000187	0.000097	0.0958	0.00000288	0.0000776	0.000355	0.00122	0.000258
2111 Apr	0.000194	0.001	0.0631	0.00000538	1.42	2.54	0.0281	0.000276	12.9	0.00164	0.00725	0.00018	0.000187	0.000097	0.0958	0.00000288	0.0000776	0.000355	0.00122	0.000258
2111 May	0.000195	0.001	0.0633	0.00000539	1.42	2.54	0.0282	0.000276	12.9	0.00164	0.00725	0.000181	0.000187	0.0000971	0.096	0.00000288	0.0000777	0.000356	0.00122	0.000258
2111 Jun	0.000196	0.001	0.0637	0.00000539	1.42	2.54	0.0284	0.000275	12.9	0.00164	0.00726	0.000182	0.000187	0.000097	0.096	0.00000288	0.0000775	0.000358	0.00122	0.000257
2111 Jul	0.000196	0.00101	0.0638	0.00000541	1.42	2.55	0.0284	0.000276	12.9	0.00164	0.00728	0.000183	0.000188	0.0000972	0.0963	0.00000288	0.0000777	0.000359	0.00123	0.000257
2111 Aug	0.000196	0.001	0.0638	0.00000541	1.42	2.54	0.0284	0.000276	12.9	0.00164	0.00727	0.000183	0.000187	0.0000971	0.0962	0.00000288	0.0000776	0.000358	0.00123	0.000257
2111 Sep	0.000196	0.001	0.0638	0.00000541	1.42	2.54	0.0284	0.000276	12.9	0.00164	0.00727	0.000182	0.000187	0.0000971	0.0961	0.00000288	0.0000776	0.000358	0.00123	0.000257
2111 Oct	0.000196	0.001	0.0638	0.00000541	1.42	2.54	0.0283	0.000276	12.9	0.00164	0.00727	0.000182	0.000187	0.0000969	0.096	0.00000287	0.0000775	0.000357	0.00122	0.000256
2111 Nov	0.000195	0.001	0.0637	0.00000541	1.42	2.54	0.0283	0.000276	12.8	0.00164	0.00727	0.000182	0.000186	0.0000968	0.0959	0.00000287	0.0000775	0.000357	0.00122	0.000256
2111 Dec	0.000195	0.001	0.0637	0.00000541	1.42	2.54	0.0283	0.000276	12.8	0.00164	0.00727	0.000182	0.000186	0.0000968	0.0959	0.00000287	0.0000775	0.000357	0.00122	0.000256
2112 Jan	0.000195	0.001	0.0637	0.00000541	1.42	2.54	0.0283	0.000276	12.8	0.00164	0.00727	0.000182	0.000186	0.0000968	0.0959	0.00000287	0.0000775	0.000357	0.00122	0.000256
2112 Feb	0.000195	0.001	0.0637	0.00000541	1.42	2.54	0.0283	0.000276	12.8	0.00164	0.00727	0.000182	0.000186	0.0000968	0.0959	0.00000287	0.0000775	0.000357	0.00122	0.000256
2112 Mar	0.000195	0.001	0.0638	0.00000541	1.42	2.54	0.0283	0.000276	12.9	0.00164	0.00727	0.000182	0.000186	0.0000968	0.0959	0.00000287	0.0000775	0.000357	0.00122	0.000256
2112 Apr	0.000195	0.001	0.0638	0.00000541	1.42	2.54	0.0283	0.000276	12.9	0.00164	0.00727	0.000182	0.000187	0.0000968	0.0959	0.00000287	0.0000775	0.000357	0.00122	0.000256
2112 May	0.000196	0.001	0.064	0.00000542	1.42	2.54	0.0284	0.000276	12.9	0.00164	0.00728	0.000183	0.000187	0.0000969	0.096	0.00000287	0.0000775	0.000358	0.00122	0.000256
2112 Jun	0.000197	0.001	0.0643	0.00000542	1.42	2.53	0.0285	0.000274	12.8	0.00163	0.00726	0.000185	0.000186	0.0000965	0.0959	0.00000286	0.0000772	0.00036	0.00122	0.000253
2112 Jul	0.000197	0.001	0.0644	0.00000543	1.42	2.54	0.0285	0.000274	12.8	0.00163	0.00727	0.000185	0.000186	0.0000965	0.0959	0.00000286	0.0000772	0.00036	0.00122	0.000253
2112 Aug	0.000197	0.001	0.0645	0.00000544	1.42	2.54	0.0286	0.000275	12.8	0.00163	0.00728	0.000185	0.000186	0.0000967	0.0961	0.00000286	0.0000773	0.000361	0.00123	0.000254
2112 Sep	0.000197	0.001	0.0645	0.00000544	1.42	2.54	0.0286	0.000275	12.8	0.00163	0.00728	0.000185	0.000186	0.0000967	0.0961	0.00000286	0.0000773	0.000361	0.00123	0.000254
2112 Oct	0.000197	0.001	0.0645	0.00000544	1.42	2.54	0.0286	0.000275	12.8	0.00163	0.00728	0.000185	0.000186	0.0000966	0.096	0.00000286	0.0000773	0.000361	0.00123	0.000253
2112 Nov	0.000197	0.001	0.0645	0.00000544	1.42	2.54	0.0286	0.000275	12.8	0.00163	0.00728	0.000185	0.000186	0.0000966	0.096	0.00000286	0.0000773	0.000361	0.00123	0.000253
2112 Dec	0.000197	0.001	0.0645	0.00000544	1.42	2.54	0.0286	0.000275	12.8	0.00163	0.00728	0.000185	0.000186	0.0000966	0.096	0.00000286	0.0000773	0.000361	0.00123	0.000253
2113 Jan	0.000197	0.001	0.0645	0.00000544	1.42	2.54	0.0286	0.000275	12.8	0.00163	0.00728	0.000185	0.000186	0.0000966	0.096	0.00000286	0.0000773	0.000361	0.00123	0.000253
2113 Feb	0.000197	0.001	0.0645	0.00000544	1.42	2.54	0.0286	0.000275	12.8	0.00163	0.00728	0.000185	0.000186	0.0000966	0.096	0.00000286	0.0000773	0.000361	0.00123	0.000253
2113 Mar	0.000197	0.001	0.0645	0.00000544	1.42	2.54	0.0286	0.000275	12.8	0.00163	0.00728	0.000185	0.000186	0.0000966	0.096	0.00000286	0.0000773	0.000361	0.00123	0.000253
2113 Apr	0.000197	0.001	0.0645	0.00000544	1.42	2.54	0.0286	0.000275	12.8	0.00163	0.00729	0.000185	0.000186	0.0000967	0.0961	0.00000286	0.0000773	0.000361	0.00123	0.000253
2113 May	0.000197	0.001	0.0647	0.00000545	1.42	2.54	0.0287	0.000275	12.8	0.00164	0.00729	0.000185	0.000186	0.0000967	0.0962	0.00000286	0.0000774	0.000362	0.00123	0.000253
2113 Jun	0.000198	0.001	0.065	0.00000545	1.42	2.54	0.0288	0.000274	12.8	0.00163	0.00729	0.000187	0.000186	0.0000967	0.0962	0.00000286	0.0000773	0.000364	0.00123	0.000252
2113 Jul	0.000199	0.001	0.0651	0.00000547	1.42	2.55	0.0288	0.000275	12.8	0.00164	0.00731	0.000187	0.000187	0.0000968	0.0964	0.00000286	0.0000774	0.000364	0.00123	0.000253
2113 Aug	0.000199	0.001	0.0652	0.00000548	1.42	2.55	0.0289	0.000275	12.8	0.00164	0.00732	0.000187	0.000187	0.0000969	0.0965	0.00000287	0.0000775	0.000365	0.00123	0.000253
2113 Sep	0.000199	0.001	0.0652	0.00000548	1.42	2.55	0.0288	0.000275	12.8	0.00164	0.00732	0.000187	0.000187	0.0000968	0.0964	0.00000286	0.0000774	0.000364	0.00123	0.000253
2113 Oct	0.000198	0.001	0.0651	0.00000547	1.42	2.54	0.0288	0.000275	12.7	0.00163	0.00731	0.000187	0.000186	0.0000965	0.0962	0.00000286	0.0000773	0.000363	0.00123	0.000252
2113 Nov	0.000198	0.001	0.0651	0.00000547	1.42	2.54	0.0287	0.000275	12.7	0.00163	0.00731	0.000186	0.000186	0.0000965	0.0961	0.00000286	0.0000773	0.000363	0.00123	0.000251
2113 Dec	0.000198	0.001	0.0651	0.00000547	1.42	2.54	0.0287	0.000275	12.7	0.00163	0.00731	0.000186	0.000186	0.0000965	0.0961	0.00000286	0.0000773	0.000363	0.00123	0.000251
2114 Jan	0.000198	0.001	0.0651	0.00000547	1.42	2.54	0.0287	0.000275	12.7	0.00163	0.00731	0.000186	0.000186	0.0000965	0.0961	0.00000286	0.0000773	0.000363	0.00123	0.000251
2114 Feb	0.000198	0.001	0.0651	0.00000547	1.42	2.54	0.0287	0.000275	12.7	0.00163	0.00731	0.000186	0.000186	0.0000965	0.0961	0.00000286	0.0000773	0.000363	0.00123	0.000251
2114 Mar	0.000198	0.001	0.0651	0.00000547	1.42	2.54	0.0287	0.000275	12.7	0.00163	0.00731	0.000186	0.000186	0.0000965	0.0962	0.00000286	0.0000773	0.000363	0.00123	0.000251
2114 Apr	0.000198	0.001	0.0651	0.00000547	1.42	2.54	0.0287	0.000275	12.7	0.00163	0.00731	0.000187	0.000186	0.0000965	0.0962	0.00000286	0.0000773	0.000363	0.00123	0.000252
2114 May	0.000199	0.001	0.0653	0.00000548	1.42	2.54	0.0288	0.000275	12.7	0.00163	0.00732	0.000187	0.000186	0.0000965	0.0963	0.00000285	0.0000773	0.000364	0.00123	0.000251
2114 Jun	0.000199	0.001	0.0657	0.00000549	1.42	2.55	0.029	0.000275	12.7	0.00163	0.00733	0.000189	0.000186	0.0000966	0.0964	0.00000285	0.0000773	0.000366	0.00123	0.000251
2114 Jul	0.0002	0.00101	0.0658	0.00000551	1.43	2.55	0.0291	0.000276	12.7	0.00164	0.00735	0.000189	0.000187	0.0000968	0.0967	0.00000286	0.0000775	0.000367	0.00123	0.000251
2114 Aug	0.0002	0.00101	0.066	0.00000552	1.43	2.56	0.0291	0.000277	12.8	0.00164	0.00736	0.00019	0.000187	0.0000971	0.0969	0.00000287	0.0000777	0.000368	0.00124	0.000252
2114 Sep	0.0002	0.00101	0.066	0.00000552	1.43	2.56	0.0291	0.000277	12.8	0.00164	0.00736	0.00019	0.000187	0.000097	0.0968	0.00000287	0.0000776	0.000367	0.00124	0.000251
2114 Oct	0.0002	0.00101	0.0659	0.00000552	1.43	2.55	0.029	0.000277	12.7	0.00164	0.00736	0.000189	0.000186	0.0000968	0.0967	0.00000286	0.0000776	0.000367	0.00123	0.000251
2114 Nov	0.0002	0.001	0.0659	0.00000552	1.42	2.55	0.029	0.000277	12.7	0.00163	0.00735	0.000189	0.000186	0.0000967	0.0966	0.00000286	0.0000775	0.000366	0.00123	0.000251
2114 Dec	0.0002	0.001	0.0659	0.00000552	1.42	2.55	0.029	0.000277	12.7	0.00163	0.00735	0.000189	0.000186	0.0000967	0.0966	0.00000286	0.0000775	0.000366	0.00123	0.00025
2115 Jan	0.0002	0.001	0.0659	0.00000552	1.42	2.55	0.029	0.000277	12.7	0.00163	0.00735	0.000189	0.000186	0.0000967	0.0966	0.00000286	0.0000775	0.000366	0.00123	0.00025
2115 Feb	0.0002	0.001	0.0659	0.00000552	1.42	2.55	0.029	0.000277	12.7	0.00163	0.00735	0.000189	0.000186	0.0000967	0.0966	0.00000286	0.0000775	0.000366	0.00123	0.00025
2115 Mar	0.0002	0.001	0.0659	0.00000552	1.42	2.55	0.029	0.000277	12.7	0.00163	0.00735	0.000189	0.000186	0.0000967	0.0966	0.00000286	0.0000775	0.000366	0.00123	0.000251
2115 Apr	0.0002	0.00101	0.0659	0.00000552	1.43	2.55	0.029	0.000277	12.7	0.00163	0.00736	0.000189	0.000186	0.0000967	0.0966	0.00000286	0.0000775	0.000366	0.00123	0.000251
2115 May	0.0002	0.00101	0.0661	0.00000553	1.43	2.55	0.0291	0.000277	12.7	0.00163	0.00736	0.00019	0.000186	0.0000967	0.0967	0.00000286	0.0000775	0.000368	0.00123	0.00025
2115 Jun	0.000201	0.00101	0.0664	0.00000554	1.43	2.56	0.0292	0.000277	12.7	0.00164	0.00738	0.000191	0.000186	0.0000969	0.0969	0.00000286	0.0000776	0.000369	0.00124	0.00025
2115 Jul	0.000201	0.00101	0.0666	0.00000555	1.43	2.57	0.0293	0.000277	12.7	0.00164	0.00739	0.000191	0.000187	0.0000971	0.0971	0.00000287	0.0000778	0.00037	0.00124	0.000251
2115 Aug	0.000201	0.00101	0.0666	0.00000555	1.43	2.56	0.0293	0.000277	12.7	0.00164	0.00739	0.000191	0.000186	0.000097	0.097	0.00000286	0.0000777	0.000369	0.00124	0.00025
2115 Sep	0.000201	0.00101	0.0666	0.00000556	1.43	2.56	0.0293	0.000277	12.7	0.00164	0.00739	0.000191	0.000186	0.0000969	0.097	0.00000286	0.0000777	0.000369	0.00124	0.00025
2115 Oct	0.000201	0.00101	0.0666	0.00000556	1.43	2.56	0.0292	0.000277	12.7	0.00164	0.00739	0.000191	0.000186	0.0000969	0.097	0.00000286	0.0000777	0.000369	0.00124	0.00025
2115 Nov	0.000201	0.00101	0.0665	0.00000556	1.43	2.56	0.0292	0.000278	12.7	0.00164	0.00739	0.000191	0.000186	0.0000968	0.0969	0.00000286	0.0000776	0.000369	0.00124	0.00025

Appendix D.3-3: WES Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc	Radium 226
2115 Dec	0.000201	0.00101	0.0665	0.00000556	1.43	2.56	0.0292	0.000278	12.7	0.00164	0.00739	0.000191	0.000186	0.0000968	0.0969	0.00000286	0.0000776	0.000369	0.00124	0.00025
2116 Jan	0.000201	0.00101	0.0665	0.00000556	1.43	2.56	0.0292	0.000278	12.7	0.00164	0.00739	0.000191	0.000186	0.0000968	0.0969	0.00000286	0.0000776	0.000369	0.00124	0.00025
2116 Feb	0.000201	0.00101	0.0665	0.00000556	1.43	2.56	0.0292	0.000278	12.7	0.00164	0.00739	0.000191	0.000186	0.0000968	0.0969	0.00000286	0.0000776	0.000369	0.00124	0.00025
2116 Mar	0.000201	0.00101	0.0666	0.00000556	1.43	2.56	0.0292	0.000278	12.7	0.00164	0.00739	0.000191	0.000186	0.0000968	0.0969	0.00000286	0.0000776	0.000369	0.00124	0.00025
2116 Apr	0.000201	0.00101	0.0666	0.00000556	1.43	2.56	0.0292	0.000278	12.7	0.00164	0.00739	0.000191	0.000186	0.0000969	0.097	0.00000286	0.0000777	0.000369	0.00124	0.00025
2116 May	0.000202	0.00101	0.0668	0.00000557	1.43	2.56	0.0293	0.000278	12.7	0.00164	0.0074	0.000192	0.000186	0.0000969	0.0971	0.00000286	0.0000777	0.00037	0.00124	0.00025
2116 Jun	0.000202	0.00101	0.0671	0.00000557	1.43	2.56	0.0295	0.000276	12.6	0.00163	0.00739	0.000193	0.000186	0.0000967	0.097	0.00000285	0.0000774	0.000372	0.00124	0.000248
2116 Jul	0.000203	0.00101	0.0672	0.00000558	1.43	2.57	0.0295	0.000277	12.7	0.00164	0.00741	0.000194	0.000186	0.0000969	0.0972	0.00000285	0.0000776	0.000373	0.00124	0.000248
2116 Aug	0.000203	0.00101	0.0674	0.00000559	1.43	2.57	0.0296	0.000278	12.7	0.00164	0.00742	0.000194	0.000187	0.0000971	0.0974	0.00000286	0.0000777	0.000373	0.00124	0.000249
2116 Sep	0.000203	0.00101	0.0673	0.00000559	1.43	2.57	0.0295	0.000278	12.7	0.00164	0.00742	0.000194	0.000186	0.0000969	0.0972	0.00000286	0.0000777	0.000373	0.00124	0.000248
2116 Oct	0.000202	0.00101	0.0673	0.00000559	1.43	2.56	0.0295	0.000278	12.6	0.00163	0.00742	0.000193	0.000186	0.0000967	0.0971	0.00000285	0.0000776	0.000372	0.00124	0.000248
2116 Nov	0.000202	0.00101	0.0673	0.00000559	1.43	2.56	0.0295	0.000278	12.6	0.00163	0.00742	0.000193	0.000186	0.0000967	0.0971	0.00000285	0.0000776	0.000372	0.00124	0.000248
2116 Dec	0.000202	0.00101	0.0673	0.00000559	1.43	2.56	0.0295	0.000278	12.6	0.00163	0.00742	0.000193	0.000186	0.0000967	0.0971	0.00000285	0.0000776	0.000372	0.00124	0.000248
2117 Jan	0.000202	0.00101	0.0673	0.00000559	1.43	2.56	0.0295	0.000278	12.6	0.00163	0.00742	0.000193	0.000186	0.0000967	0.0971	0.00000285	0.0000776	0.000372	0.00124	0.000248
2117 Feb	0.000202	0.00101	0.0673	0.00000559	1.43	2.56	0.0295	0.000278	12.6	0.00163	0.00742	0.000193	0.000186	0.0000967	0.0971	0.00000285	0.0000776	0.000372	0.00124	0.000248
2117 Mar	0.000202	0.00101	0.0673	0.00000559	1.43	2.56	0.0295	0.000278	12.6	0.00163	0.00742	0.000193	0.000186	0.0000967	0.0971	0.00000285	0.0000776	0.000372	0.00124	0.000248
2117 Apr	0.000202	0.00101	0.0673	0.0000056	1.43	2.56	0.0295	0.000278	12.6	0.00163	0.00742	0.000193	0.000186	0.0000967	0.0971	0.00000285	0.0000776	0.000372	0.00124	0.000248
2117 May	0.000203	0.00101	0.0675	0.0000056	1.43	2.57	0.0295	0.000278	12.6	0.00164	0.00743	0.000194	0.000186	0.0000968	0.0972	0.00000285	0.0000776	0.000373	0.00124	0.000248
2117 Jun	0.000204	0.00101	0.0678	0.00000561	1.43	2.57	0.0297	0.000278	12.6	0.00164	0.00743	0.000195	0.000186	0.0000969	0.0974	0.00000285	0.0000776	0.000375	0.00124	0.000247
2117 Jul	0.000204	0.00101	0.0679	0.00000563	1.44	2.58	0.0297	0.000278	12.7	0.00164	0.00745	0.000196	0.000186	0.0000971	0.0976	0.00000286	0.0000778	0.000376	0.00125	0.000248
2117 Aug	0.000204	0.00101	0.068	0.00000564	1.44	2.58	0.0298	0.000279	12.7	0.00164	0.00746	0.000196	0.000187	0.0000972	0.0977	0.00000286	0.0000779	0.000376	0.00125	0.000248
2117 Sep	0.000204	0.00101	0.0681	0.00000564	1.44	2.58	0.0298	0.000279	12.7	0.00164	0.00747	0.000196	0.000187	0.0000972	0.0977	0.00000286	0.0000779	0.000376	0.00125	0.000248
2117 Oct	0.000204	0.00101	0.068	0.00000564	1.44	2.58	0.0298	0.000279	12.7	0.00164	0.00747	0.000196	0.000186	0.0000971	0.0977	0.00000286	0.0000779	0.000376	0.00125	0.000247
2117 Nov	0.000204	0.00101	0.068	0.00000564	1.44	2.58	0.0297	0.000279	12.7	0.00164	0.00746	0.000196	0.000186	0.0000971	0.0976	0.00000286	0.0000779	0.000376	0.00125	0.000247
2117 Dec	0.000204	0.00101	0.068	0.00000564	1.44	2.58	0.0297	0.000279	12.7	0.00164	0.00746	0.000196	0.000186	0.0000971	0.0976	0.00000286	0.0000779	0.000376	0.00125	0.000247
2118 Jan	0.000204	0.00101	0.068	0.00000564	1.44	2.58	0.0297	0.000279	12.7	0.00164	0.00747	0.000196	0.000186	0.0000971	0.0976	0.00000286	0.0000779	0.000376	0.00125	0.000247
2118 Feb	0.000204	0.00101	0.068	0.00000564	1.44	2.58	0.0297	0.000279	12.7	0.00164	0.00747	0.000196	0.000186	0.0000971	0.0976	0.00000286	0.0000779	0.000376	0.00125	0.000247
2118 Mar	0.000204	0.00101	0.068	0.00000564	1.44	2.58	0.0297	0.000279	12.7	0.00164	0.00747	0.000196	0.000186	0.0000971	0.0976	0.00000286	0.0000779	0.000376	0.00125	0.000247
2118 Apr	0.000204	0.00101	0.0681	0.00000564	1.44	2.58	0.0298	0.000279	12.7	0.00164	0.00747	0.000196	0.000186	0.0000971	0.0977	0.00000286	0.0000779	0.000376	0.00125	0.000247
2118 May	0.000205	0.00101	0.0684	0.00000565	1.44	2.58	0.0299	0.000279	12.6	0.00164	0.00747	0.000197	0.000186	0.0000971	0.0978	0.00000286	0.0000778	0.000378	0.00125	0.000247
2118 Jun	0.000206	0.00101	0.0687	0.00000565	1.44	2.58	0.0301	0.000278	12.6	0.00164	0.00746	0.000199	0.000186	0.0000969	0.0978	0.00000285	0.0000776	0.000379	0.00125	0.000245
2118 Jul	0.000206	0.00101	0.0689	0.00000566	1.44	2.59	0.0301	0.000278	12.6	0.00164	0.00749	0.000199	0.000187	0.0000972	0.098	0.00000285	0.0000778	0.00038	0.00125	0.000246
2118 Aug	0.000206	0.00101	0.0689	0.00000567	1.44	2.59	0.0301	0.000279	12.6	0.00164	0.00749	0.000199	0.000187	0.0000972	0.098	0.00000285	0.0000778	0.00038	0.00125	0.000246
2118 Sep	0.000206	0.00101	0.0688	0.00000566	1.44	2.58	0.03	0.000279	12.6	0.00164	0.00748	0.000198	0.000186	0.0000969	0.0978	0.00000285	0.0000777	0.000379	0.00125	0.000245
2118 Oct	0.000205	0.00101	0.0687	0.00000566	1.43	2.57	0.03	0.000278	12.6	0.00163	0.00747	0.000198	0.000185	0.0000967	0.0976	0.00000284	0.0000776	0.000378	0.00125	0.000244
2118 Nov	0.000205	0.00101	0.0687	0.00000566	1.43	2.57	0.0299	0.000278	12.5	0.00163	0.00747	0.000198	0.000185	0.0000966	0.0976	0.00000284	0.0000776	0.000378	0.00125	0.000244
2118 Dec	0.000205	0.00101	0.0687	0.00000566	1.43	2.57	0.0299	0.000278	12.5	0.00163	0.00747	0.000198	0.000185	0.0000966	0.0976	0.00000284	0.0000776	0.000378	0.00125	0.000244
2119 Jan	0.000205	0.00101	0.0687	0.00000566	1.43	2.57	0.0299	0.000278	12.5	0.00163	0.00747	0.000198	0.000185	0.0000966	0.0976	0.00000284	0.0000776	0.000378	0.00125	0.000244
2119 Feb	0.000205	0.00101	0.0687	0.00000566	1.43	2.57	0.0299	0.000278	12.5	0.00163	0.00747	0.000198	0.000185	0.0000966	0.0976	0.00000284	0.0000776	0.000378	0.00125	0.000244
2119 Mar	0.000205	0.00101	0.0687	0.00000566	1.43	2.57	0.03	0.000279	12.5	0.00163	0.00747	0.000198	0.000185	0.0000966	0.0976	0.00000284	0.0000776	0.000378	0.00125	0.000244
2119 Apr	0.000206	0.00101	0.0688	0.00000566	1.43	2.58	0.03	0.000279	12.6	0.00163	0.00748	0.000198	0.000185	0.0000967	0.0977	0.00000284	0.0000776	0.000379	0.00125	0.000244
2119 May	0.000207	0.00101	0.0694	0.00000567	1.44	2.58	0.0303	0.000278	12.5	0.00163	0.00748	0.0002	0.000185	0.0000967	0.0979	0.00000284	0.0000775	0.000382	0.00125	0.000243
2119 Jun	0.000207	0.00101	0.0695	0.00000567	1.43	2.58	0.0303	0.000278	12.5	0.00163	0.00748	0.000201	0.000185	0.0000966	0.0979	0.00000283	0.0000775	0.000382	0.00125	0.000243
2119 Jul	0.000208	0.00101	0.0697	0.00000569	1.44	2.59	0.0304	0.000278	12.5	0.00163	0.0075	0.000201	0.000186	0.0000968	0.0981	0.00000284	0.0000777	0.000383	0.00125	0.000243
2119 Aug	0.000208	0.00101	0.0697	0.0000057	1.44	2.59	0.0304	0.000279	12.5	0.00164	0.00751	0.000201	0.000186	0.0000969	0.0982	0.00000284	0.0000777	0.000384	0.00125	0.000243
2119 Sep	0.000208	0.00101	0.0697	0.0000057	1.44	2.59	0.0304	0.000279	12.5	0.00163	0.00751	0.000201	0.000186	0.0000968	0.0981	0.00000284	0.0000777	0.000383	0.00125	0.000243
2119 Oct	0.000208	0.00101	0.0696	0.0000057	1.44	2.58	0.0303	0.000279	12.5	0.00163	0.0075	0.000201	0.000185	0.0000967	0.098	0.00000284	0.0000776	0.000383	0.00125	0.000242
2119 Nov	0.000207	0.00101	0.0696	0.0000057	1.44	2.58	0.0303	0.000279	12.5	0.00163	0.0075	0.0002	0.000185	0.0000966	0.098	0.00000283	0.0000776	0.000382	0.00125	0.000242
2119 Dec	0.000207	0.00101	0.0696	0.0000057	1.44	2.58	0.0303	0.000279	12.5	0.00163	0.0075	0.0002	0.000185	0.0000966	0.098	0.00000283	0.0000776	0.000382	0.00125	0.000242

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Post Closure (2051-2119): Min	71.1	0.0498	0.0609	0.00221	21.2	0.0352	21.1	0.000949	0.000902	0.00000477	0.00356	0.000447	0.0231	0.00809	0.00000495	10.8	0.0000108	0.0000831
Post Closure (2051-2119): Mean	158	0.102	0.112	0.00313	24.5	0.0393	55.3	0.0012	0.000949	0.00000519	0.00777	0.00271	0.0818	0.0242	0.00000616	28.4	0.000029	0.000479
Post Closure (2051-2119): Max	198	0.126	0.16	0.00413	30	0.0403	79.3	0.00147	0.000982	0.0000054	0.00907	0.00423	0.121	0.0315	0.00000695	37.2	0.0000363	0.000737
Water quality guideline for the protection of aquatic life	***1000***	***0.58***	***2.93***	***0.06***	***120***	***2.8***	***variable***	***-***	***-***	***0.00025***	***0.1***	***0.025***	***1.5***	***1***	***-***	***-***	***variable***	***-***
Note: Calculation of mean excludes zero values; Values higher than applicable water quality guidelines are shaded.																		
Model Predictions																		
2051 Jan	71.1	0.0498	0.0609	0.00286	22.6	0.0358	21.3	0.000956	0.000956	0.0000048	0.00356	0.000447	0.0231	0.00809	0.00000499	10.8	0.0000108	0.0000831
2051 Feb	71.1	0.0498	0.0609	0.00286	22.6	0.0358	21.3	0.000956	0.000956	0.0000048	0.00356	0.000447	0.0231	0.00809	0.00000499	10.8	0.0000108	0.0000831
2051 Mar	71.1	0.0498	0.0609	0.00286	22.6	0.0358	21.3	0.000956	0.000956	0.0000048	0.00357	0.000447	0.0231	0.00809	0.00000499	10.8	0.0000108	0.0000831
2051 Apr	71.1	0.0498	0.0609	0.00286	22.6	0.0358	21.3	0.000956	0.000956	0.0000048	0.00357	0.000447	0.0231	0.00809	0.00000499	10.8	0.0000108	0.0000831
2051 May	71.2	0.0499	0.061	0.00286	22.6	0.0358	21.3	0.000957	0.000957	0.00000481	0.00357	0.000448	0.0231	0.0081	0.00000499	10.9	0.0000108	0.0000832
2051 Jun	71.6	0.0504	0.0617	0.00285	22.5	0.0355	21.3	0.000954	0.000954	0.00000479	0.00362	0.000461	0.0233	0.00828	0.00000497	11	0.000011	0.0000859
2051 Jul	71.7	0.0506	0.0618	0.00284	22.5	0.0354	21.3	0.000954	0.000954	0.00000479	0.00365	0.000468	0.0233	0.00839	0.00000497	11.1	0.0000111	0.0000876
2051 Aug	71.7	0.0506	0.0618	0.00284	22.4	0.0354	21.2	0.000954	0.000954	0.00000479	0.00367	0.000472	0.0232	0.00845	0.00000498	11.1	0.0000111	0.0000885
2051 Sep	71.7	0.0508	0.0618	0.00283	22.4	0.0353	21.2	0.000954	0.000954	0.00000479	0.0037	0.000479	0.0232	0.00854	0.00000497	11.2	0.0000112	0.0000899
2051 Oct	71.8	0.0516	0.062	0.00281	22.2	0.0352	21.1	0.000951	0.000951	0.00000477	0.00376	0.000493	0.0232	0.0087	0.00000495	11.3	0.0000114	0.0000924
2051 Nov	71.8	0.0518	0.0621	0.00281	22.2	0.0352	21.1	0.000951	0.000951	0.00000477	0.00377	0.000494	0.0232	0.00872	0.00000495	11.3	0.0000114	0.0000927
2051 Dec	71.8	0.0518	0.0621	0.00281	22.2	0.0352	21.1	0.000951	0.000951	0.00000477	0.00377	0.000494	0.0232	0.00872	0.00000495	11.3	0.0000114	0.0000927
2052 Jan	71.8	0.0518	0.0621	0.00281	22.2	0.0352	21.1	0.000951	0.000951	0.00000477	0.00377	0.000494	0.0232	0.00872	0.00000495	11.3	0.0000114	0.0000927
2052 Feb	71.8	0.0518	0.0621	0.00281	22.2	0.0352	21.1	0.000951	0.000951	0.00000477	0.00377	0.000494	0.0232	0.00872	0.00000495	11.3	0.0000114	0.0000927
2052 Mar	71.8	0.0518	0.0621	0.00281	22.2	0.0352	21.1	0.000951	0.000951	0.00000477	0.00377	0.000494	0.0232	0.00872	0.00000495	11.3	0.0000114	0.0000927
2052 Apr	71.9	0.0518	0.0621	0.00281	22.2	0.0352	21.1	0.000951	0.000951	0.00000478	0.00377	0.000494	0.0232	0.00872	0.00000496	11.3	0.0000114	0.0000927
2052 May	72	0.052	0.0622	0.00281	22.2	0.0352	21.1	0.000951	0.000951	0.00000478	0.00379	0.000497	0.0233	0.00877	0.00000496	11.4	0.0000114	0.0000933
2052 Jun	74.2	0.0559	0.0663	0.00286	22.6	0.0352	21.6	0.000949	0.000949	0.00000477	0.00395	0.00054	0.0237	0.00936	0.00000495	11.9	0.0000119	0.000102
2052 Jul	75	0.057	0.0679	0.00289	22.7	0.0353	21.8	0.00095	0.00095	0.00000478	0.00398	0.00055	0.0239	0.00946	0.00000496	12.1	0.0000121	0.000104
2052 Aug	75.3	0.0573	0.0684	0.0029	22.8	0.0353	21.9	0.000952	0.000952	0.00000478	0.004	0.000554	0.024	0.00949	0.00000496	12.1	0.0000121	0.000104
2052 Sep	75.8	0.058	0.0693	0.00292	22.9	0.0354	22	0.000952	0.000952	0.00000478	0.00402	0.000559	0.0241	0.00954	0.00000497	12.2	0.0000122	0.000105
2052 Oct	76.1	0.0585	0.07	0.00293	22.9	0.0354	22.2	0.000952	0.000952	0.00000478	0.00403	0.000563	0.0243	0.00957	0.00000497	12.2	0.0000122	0.000106
2052 Nov	76.1	0.0585	0.07	0.00293	23	0.0354	22.2	0.000952	0.000952	0.00000479	0.00403	0.000563	0.0243	0.00957	0.00000497	12.2	0.0000122	0.000106
2052 Dec	76.2	0.0585	0.07	0.00293	23	0.0354	22.2	0.000952	0.000952	0.00000479	0.00403	0.000563	0.0243	0.00957	0.00000497	12.2	0.0000122	0.000106
2053 Jan	76.2	0.0585	0.07	0.00293	23	0.0354	22.2	0.000952	0.000952	0.00000479	0.00403	0.000563	0.0243	0.00957	0.00000497	12.2	0.0000122	0.000106
2053 Feb	76.2	0.0585	0.07	0.00293	23	0.0354	22.2	0.000952	0.000952	0.00000479	0.00403	0.000563	0.0243	0.00957	0.00000497	12.2	0.0000122	0.000106
2053 Mar	76.2	0.0585	0.07	0.00293	23	0.0354	22.2	0.000952	0.000952	0.00000479	0.00403	0.000563	0.0243	0.00957	0.00000497	12.2	0.0000122	0.000106
2053 Apr	76.2	0.0585	0.07	0.00293	23	0.0354	22.2	0.000952	0.000952	0.00000479	0.00403	0.000563	0.0243	0.00958	0.00000497	12.2	0.0000122	0.000106
2053 May	78.4	0.0611	0.0736	0.00299	23.3	0.0356	22.9	0.000953	0.000953	0.00000479	0.0041	0.000584	0.0252	0.00979	0.00000498	12.6	0.0000125	0.000109
2053 Jun	86.6	0.0717	0.0892	0.00325	25	0.036	25.5	0.000949	0.000948	0.00000478	0.00434	0.000675	0.0279	0.0108	0.00000499	13.9	0.0000137	0.000125
2053 Jul	87.8	0.0734	0.0919	0.0033	25.3	0.0362	25.9	0.000949	0.000949	0.00000479	0.00438	0.000688	0.0283	0.0109	0.000005	14	0.0000139	0.000127
2053 Aug	88	0.0736	0.0921	0.00331	25.3	0.0362	26	0.000952	0.000951	0.0000048	0.00439	0.00069	0.0284	0.011	0.00000501	14.1	0.0000139	0.000127
2053 Sep	88.1	0.0737	0.0922	0.00332	25.3	0.0363	26	0.000953	0.000952	0.00000481	0.00439	0.000691	0.0284	0.011	0.00000502	14.1	0.0000139	0.000128
2053 Oct	88.2	0.0737	0.0922	0.00332	25.4	0.0363	26	0.000953	0.000953	0.00000481	0.0044	0.000691	0.0284	0.011	0.00000502	14.1	0.0000139	0.000128
2053 Nov	88.2	0.0737	0.0922	0.00332	25.4	0.0363	26	0.000953	0.000953	0.00000481	0.0044	0.000691	0.0284	0.011	0.00000502	14.1	0.0000139	0.000128
2053 Dec	88.2	0.0737	0.0922	0.00332	25.4	0.0363	26	0.000953	0.000953	0.00000481	0.0044	0.000691	0.0284	0.011	0.00000502	14.1	0.0000139	0.000128
2054 Jan	88.2	0.0737	0.0922	0.00332	25.4	0.0363	26	0.000953	0.000953	0.00000481	0.0044	0.000691	0.0284	0.011	0.00000502	14.1	0.0000139	0.000128
2054 Feb	88.2	0.0737	0.0922	0.00332	25.4	0.0363	26	0.000953	0.000953	0.00000481	0.0044	0.000691	0.0284	0.011	0.00000502	14.1	0.0000139	0.000128
2054 Mar	88.2	0.0737	0.0922	0.00332	25.4	0.0363	26	0.000953	0.000953	0.00000481	0.0044	0.000691	0.0284	0.011	0.00000502	14.1	0.0000139	0.000128
2054 Apr	88.2	0.0737	0.0922	0.00332	25.4	0.0363	26	0.000954	0.000953	0.00000481	0.0044	0.000692	0.0284	0.011	0.00000502	14.1	0.0000139	0.000128
2054 May	88.5	0.074	0.0926	0.00332	25.4	0.0364	26.1	0.000954	0.000954	0.00000481	0.00441	0.000694	0.0285	0.011	0.00000503	14.1	0.000014	0.000128
2054 Jun	93.2	0.0793	0.1	0.00344	26.1	0.0365	27.6	0.000954	0.000953	0.00000482	0.00456	0.000748	0.0305	0.0116	0.00000504	14.9	0.0000147	0.000138
2054 Jul	95.2	0.0819	0.104	0.0035	26.4	0.0366	28.2	0.000953	0.000952	0.00000482	0.00464	0.000775	0.0313	0.0118	0.00000505	15.2	0.0000151	0.000142
2054 Aug	95.6	0.0825	0.105	0.00352	26.5	0.0367	28.4	0.000954	0.000952	0.00000483	0.00466	0.000782	0.0315	0.0119	0.00000506	15.2	0.0000152	0.000143
2054 Sep	96.1	0.0831	0.106	0.00353	26.6	0.0367	28.5	0.000954	0.000953	0.00000483	0.00468	0.000788	0.0317	0.0119	0.00000506	15.3	0.0000153	0.000144
2054 Oct	96.8	0.084	0.107	0.00355	26.7	0.0368	28.7	0.000954	0.000953	0.00000483	0.00471	0.000797	0.032	0.012	0.00000507	15.4	0.0000154	0.000146
2054 Nov	97.1	0.0845	0.108	0.00356	26.7	0.0368	28.8	0.000954	0.000952	0.00000483	0.00472	0.000802	0.0322	0.012	0.00000507	15.4	0.0000154	0.000146
2054 Dec	97.1	0.0845	0.108	0.00356	26.7	0.0368	28.8	0.000954	0.000952	0.00000483	0.00472	0.000802	0.0322	0.012	0.00000507	15.4	0.0000154	0.000146
2055 Jan	97.1	0.0845	0.108	0.00356	26.7	0.0368	28.8	0.000954	0.000952	0.00000483	0.00472	0.000802	0.0322	0.012	0.00000507	15.4	0.0000154	0.000146
2055 Feb	97.1	0.0845	0.108	0.00356	26.7	0.0368	28.8	0.000954	0.000952	0.00000483	0.00472	0.000802	0.0322	0.012	0.00000507	15.4	0.0000154	0.000146
2055 Mar	97.1	0.0845	0.108	0.00356	26.7	0.0368	28.8	0.000954	0.000952	0.00000483	0.00472	0.000802	0.0322	0.012	0.00000507	15.4	0.0000154	0.000146
2055 Apr	97.1	0.0845	0.108	0.00356	26.7	0.0369	28.8	0.000954	0.000953	0.00000483	0.00472	0.000802	0.0322	0.012	0.00000507	15.4	0.0000154	0.000146
2055 May	97.2	0.0845	0.108	0.00357	26.8	0.0369	28.9	0.000955	0.000953	0.00000483	0.00472	0.000802	0.0322	0.012	0.00000507	15.4	0.0000154	0.000146
2055 Jun	101	0.0902	0.117	0.00371	27.3	0.0371	30	0.000953	0.00095	0.00000484	0.00493	0.000865	0.0342	0.0123	0.0000051	15.9	0.0000163	0.000157
2055 Jul	102	0.093	0.122	0.00379	27.5	0.0373	30.4	0.000953	0.000949	0.00000485	0.00503	0.000898	0.0351	0.0125	0.00000511	16	0.0000167	0.000162
2055 Aug	103	0.0932	0.123	0.00379	27.6	0.0373	30.4	0.000955	0.000951	0.00000485	0.00504	0.0009	0.0352	0.0125	0.00000512	16.1	0.0000167	0.000163
2055 Sep	103	0.0935	0.123	0.0038	27.6	0.0374	30.5	0.000956	0.000951	0.00000486	0.00505	0.000904	0.0353	0.0125	0.00000513	16.1	0.0000167	0.000163
2055 Oct	103	0.0936	0.123	0.0038	27.6	0.0374	30.5	0.000956	0.000952	0.00000486	0.00505	0.000905	0.0353	0.0125	0.00000513	16.1	0.0000167	0.000163
2055 Nov	103	0.0936	0.123	0.0038	27.6	0.0374	30.5	0.000956	0.000952	0.00000486	0.00505	0.000905	0.0353	0.0125	0.00000513	16.1	0.0000168	0.000163
2055 Dec	103	0.0936	0.123	0.0038	27.6	0.0374	30.5	0.000956	0.000952	0.00000486	0.00505	0.000905	0.0353	0.0125	0.00000513	16.1	0.0000168	0.000163
2056 Jan	103	0.0936	0.123	0.0038	27.6	0.0374	30.5	0.000956	0.000952	0.00000486	0.00505	0.000905	0.0353	0.0125	0.00000513	16.1	0.0000168	0.000163
2056 Feb	103	0.0936	0.123	0.0038	27.6	0.0374	30.5	0.000956	0.000952	0.00000486	0.00505	0.000905	0.0353	0.0125	0.00000513	16.1	0.0000168	0.000163

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2056 Mar	103	0.0936	0.123	0.0038	27.6	0.0374	30.5	0.000956	0.000952	0.00000486	0.00505	0.000905	0.0353	0.0125	0.00000513	16.1	0.0000168	0.000163
2056 Apr	103	0.0937	0.123	0.00381	27.7	0.0374	30.5	0.000956	0.000952	0.00000486	0.00506	0.000906	0.0353	0.0125	0.00000513	16.1	0.0000168	0.000164
2056 May	103	0.0941	0.124	0.00381	27.7	0.0375	30.6	0.000957	0.000953	0.00000487	0.00508	0.000913	0.0355	0.0126	0.00000514	16.2	0.0000168	0.000165
2056 Jun	106	0.0973	0.128	0.00385	27.9	0.0374	30.9	0.000958	0.000952	0.00000488	0.00522	0.000972	0.0364	0.0134	0.00000516	16.8	0.0000174	0.000177
2056 Jul	106	0.0979	0.129	0.00386	28	0.0375	31	0.00096	0.000954	0.00000489	0.00524	0.000981	0.0366	0.0134	0.00000517	16.9	0.0000175	0.000178
2056 Aug	106	0.0981	0.129	0.00387	28.1	0.0376	31	0.000961	0.000955	0.0000049	0.00525	0.000984	0.0367	0.0135	0.00000518	16.9	0.0000175	0.000179
2056 Sep	106	0.0983	0.129	0.00388	28.1	0.0376	31.1	0.000962	0.000956	0.0000049	0.00526	0.000986	0.0367	0.0135	0.00000518	16.9	0.0000175	0.000179
2056 Oct	107	0.0986	0.13	0.00388	28.1	0.0376	31.2	0.000962	0.000956	0.0000049	0.00527	0.00099	0.0369	0.0135	0.00000519	17	0.0000176	0.00018
2056 Nov	107	0.0987	0.13	0.00388	28.1	0.0377	31.2	0.000963	0.000956	0.0000049	0.00528	0.000991	0.037	0.0135	0.00000519	17	0.0000176	0.00018
2056 Dec	107	0.0987	0.13	0.00388	28.1	0.0377	31.2	0.000963	0.000956	0.0000049	0.00528	0.000991	0.037	0.0135	0.00000519	17	0.0000176	0.00018
2057 Jan	107	0.0987	0.13	0.00388	28.1	0.0377	31.2	0.000963	0.000956	0.0000049	0.00528	0.000991	0.037	0.0135	0.00000519	17	0.0000176	0.00018
2057 Feb	107	0.0987	0.13	0.00388	28.1	0.0377	31.2	0.000963	0.000956	0.0000049	0.00528	0.000991	0.037	0.0135	0.00000519	17	0.0000176	0.00018
2057 Mar	107	0.0987	0.13	0.00388	28.1	0.0377	31.2	0.000963	0.000956	0.0000049	0.00528	0.000991	0.037	0.0135	0.00000519	17	0.0000176	0.00018
2057 Apr	107	0.0987	0.13	0.00388	28.1	0.0377	31.2	0.000963	0.000957	0.0000049	0.00528	0.000991	0.037	0.0135	0.00000519	17	0.0000176	0.00018
2057 May	107	0.0988	0.13	0.00389	28.2	0.0377	31.3	0.000964	0.000957	0.00000491	0.00528	0.000993	0.037	0.0136	0.00000519	17	0.0000176	0.00018
2057 Jun	109	0.101	0.133	0.00391	28.2	0.0377	31.7	0.000965	0.000958	0.00000492	0.00544	0.00105	0.0382	0.0142	0.00000522	17.6	0.0000182	0.000191
2057 Jul	110	0.102	0.134	0.00392	28.3	0.0377	31.8	0.000967	0.000959	0.00000493	0.00548	0.00106	0.0385	0.0143	0.00000523	17.7	0.0000184	0.000193
2057 Aug	110	0.102	0.135	0.00393	28.4	0.0379	31.9	0.00097	0.000962	0.00000495	0.0055	0.00106	0.0386	0.0143	0.00000525	17.7	0.0000184	0.000194
2057 Sep	110	0.102	0.135	0.00394	28.4	0.0379	31.9	0.000971	0.000963	0.00000495	0.0055	0.00107	0.0386	0.0143	0.00000525	17.7	0.0000184	0.000194
2057 Oct	110	0.103	0.135	0.00394	28.4	0.0379	31.9	0.000971	0.000963	0.00000495	0.00551	0.00107	0.0387	0.0143	0.00000525	17.7	0.0000184	0.000194
2057 Nov	110	0.103	0.135	0.00394	28.4	0.0379	32	0.000971	0.000963	0.00000495	0.00551	0.00107	0.0387	0.0143	0.00000525	17.7	0.0000184	0.000194
2057 Dec	110	0.103	0.135	0.00394	28.4	0.0379	32	0.000971	0.000963	0.00000495	0.00551	0.00107	0.0387	0.0143	0.00000525	17.7	0.0000184	0.000194
2058 Jan	110	0.103	0.135	0.00394	28.4	0.0379	32	0.000971	0.000963	0.00000495	0.00551	0.00107	0.0387	0.0143	0.00000525	17.7	0.0000184	0.000194
2058 Feb	110	0.103	0.135	0.00394	28.4	0.0379	32	0.000971	0.000963	0.00000495	0.00551	0.00107	0.0387	0.0143	0.00000525	17.7	0.0000184	0.000194
2058 Mar	110	0.103	0.135	0.00394	28.4	0.0379	32	0.000971	0.000963	0.00000495	0.00551	0.00107	0.0387	0.0143	0.00000525	17.7	0.0000184	0.000194
2058 Apr	110	0.103	0.135	0.00394	28.4	0.0379	32	0.000971	0.000963	0.00000495	0.00551	0.00107	0.0387	0.0144	0.00000525	17.7	0.0000184	0.000194
2058 May	112	0.104	0.136	0.00396	28.5	0.038	32.6	0.000972	0.000964	0.00000496	0.00555	0.00108	0.0395	0.0145	0.00000527	18	0.0000187	0.000196
2058 Jun	119	0.109	0.143	0.00402	29	0.038	35	0.000972	0.000962	0.00000497	0.00577	0.00118	0.0433	0.0156	0.0000053	19.2	0.0000199	0.000213
2058 Jul	119	0.11	0.144	0.00404	29.1	0.038	35.2	0.000974	0.000963	0.00000498	0.00581	0.00119	0.0436	0.0157	0.00000532	19.3	0.00002	0.000216
2058 Aug	120	0.11	0.145	0.00405	29.2	0.0381	35.2	0.000976	0.000964	0.00000499	0.00582	0.0012	0.0437	0.0157	0.00000533	19.4	0.0000201	0.000217
2058 Sep	120	0.11	0.145	0.00405	29.2	0.0382	35.3	0.000976	0.000965	0.00000499	0.00583	0.0012	0.0439	0.0158	0.00000533	19.4	0.0000201	0.000217
2058 Oct	120	0.11	0.145	0.00406	29.2	0.0382	35.4	0.000976	0.000965	0.00000499	0.00584	0.0012	0.0441	0.0158	0.00000533	19.5	0.0000201	0.000218
2058 Nov	120	0.11	0.145	0.00406	29.2	0.0382	35.4	0.000976	0.000965	0.00000499	0.00584	0.0012	0.0441	0.0158	0.00000533	19.5	0.0000202	0.000218
2058 Dec	120	0.11	0.145	0.00406	29.2	0.0382	35.4	0.000976	0.000965	0.00000499	0.00584	0.0012	0.0441	0.0158	0.00000533	19.5	0.0000202	0.000218
2059 Jan	120	0.11	0.145	0.00406	29.2	0.0382	35.4	0.000976	0.000965	0.00000499	0.00584	0.0012	0.0441	0.0158	0.00000533	19.5	0.0000202	0.000218
2059 Feb	120	0.11	0.145	0.00406	29.2	0.0382	35.4	0.000976	0.000965	0.00000499	0.00584	0.0012	0.0441	0.0158	0.00000533	19.5	0.0000202	0.000218
2059 Mar	120	0.11	0.145	0.00406	29.2	0.0382	35.4	0.000976	0.000965	0.00000499	0.00584	0.0012	0.0441	0.0158	0.00000533	19.5	0.0000202	0.000218
2059 Apr	120	0.11	0.145	0.00406	29.2	0.0382	35.5	0.000977	0.000965	0.00000499	0.00584	0.0012	0.0441	0.0158	0.00000534	19.5	0.0000202	0.000218
2059 May	121	0.111	0.146	0.00406	29.3	0.0382	35.6	0.000978	0.000966	0.000005	0.00586	0.00121	0.0443	0.0158	0.00000534	19.6	0.0000202	0.000219
2059 Jun	123	0.112	0.147	0.00407	29.3	0.0383	36.3	0.00098	0.000967	0.00000501	0.00595	0.00125	0.0454	0.0163	0.00000536	20	0.0000206	0.000225
2059 Jul	123	0.113	0.147	0.00408	29.4	0.0384	36.4	0.000983	0.00097	0.00000502	0.00597	0.00125	0.0456	0.0164	0.00000538	20.1	0.0000207	0.000226
2059 Aug	124	0.113	0.148	0.00409	29.5	0.0385	36.5	0.000985	0.000972	0.00000503	0.00599	0.00126	0.0457	0.0164	0.00000539	20.1	0.0000208	0.000227
2059 Sep	124	0.113	0.148	0.00409	29.5	0.0385	36.5	0.000986	0.000973	0.00000504	0.006	0.00126	0.0458	0.0164	0.0000054	20.2	0.0000208	0.000227
2059 Oct	124	0.113	0.148	0.00409	29.5	0.0385	36.7	0.000986	0.000973	0.00000504	0.00602	0.00126	0.0461	0.0165	0.0000054	20.2	0.0000209	0.000228
2059 Nov	124	0.114	0.148	0.00409	29.5	0.0386	36.7	0.000986	0.000973	0.00000504	0.00603	0.00127	0.0462	0.0165	0.0000054	20.3	0.0000209	0.000229
2059 Dec	124	0.114	0.148	0.00409	29.5	0.0386	36.7	0.000986	0.000973	0.00000504	0.00603	0.00127	0.0462	0.0165	0.0000054	20.3	0.0000209	0.000229
2060 Jan	124	0.114	0.148	0.00409	29.5	0.0386	36.7	0.000986	0.000973	0.00000504	0.00603	0.00127	0.0462	0.0165	0.0000054	20.3	0.0000209	0.000229
2060 Feb	124	0.114	0.148	0.00409	29.5	0.0386	36.7	0.000986	0.000973	0.00000504	0.00603	0.00127	0.0462	0.0165	0.0000054	20.3	0.0000209	0.000229
2060 Mar	124	0.114	0.148	0.00409	29.5	0.0386	36.7	0.000986	0.000973	0.00000504	0.00603	0.00127	0.0462	0.0165	0.0000054	20.3	0.0000209	0.000229
2060 Apr	124	0.114	0.148	0.00409	29.5	0.0386	36.7	0.000986	0.000973	0.00000504	0.00603	0.00127	0.0462	0.0165	0.0000054	20.3	0.0000209	0.000229
2060 May	125	0.114	0.148	0.00408	29.5	0.0386	37.1	0.000987	0.000974	0.00000505	0.00607	0.00128	0.0467	0.0167	0.00000541	20.5	0.0000211	0.000231
2060 Jun	127	0.116	0.149	0.00406	29.5	0.0385	37.4	0.00099	0.000975	0.00000506	0.0062	0.00134	0.0476	0.0175	0.00000543	21.2	0.0000215	0.000243
2060 Jul	128	0.116	0.149	0.00407	29.6	0.0386	37.5	0.000993	0.000977	0.00000508	0.00622	0.00134	0.0478	0.0176	0.00000545	21.3	0.0000216	0.000244
2060 Aug	128	0.116	0.15	0.00408	29.6	0.0387	37.6	0.000994	0.000979	0.00000508	0.00624	0.00135	0.0479	0.0176	0.00000546	21.3	0.0000217	0.000245
2060 Sep	128	0.117	0.15	0.00407	29.6	0.0387	37.7	0.000994	0.000978	0.00000508	0.00625	0.00136	0.0482	0.0177	0.00000546	21.4	0.0000217	0.000246
2060 Oct	129	0.117	0.15	0.00407	29.6	0.0388	37.9	0.000995	0.000978	0.00000509	0.00628	0.00136	0.0485	0.0178	0.00000547	21.4	0.0000218	0.000247
2060 Nov	129	0.117	0.15	0.00407	29.6	0.0388	38	0.000995	0.000978	0.00000509	0.00629	0.00137	0.0486	0.0178	0.00000547	21.5	0.0000218	0.000248
2060 Dec	129	0.117	0.15	0.00407	29.6	0.0388	38	0.000995	0.000978	0.00000509	0.00629	0.00137	0.0486	0.0178	0.00000547	21.5	0.0000218	0.000248
2061 Jan	129	0.117	0.15	0.00407	29.6	0.0388	38	0.000995	0.000978	0.00000509	0.00629	0.00137	0.0487	0.0178	0.00000547	21.5	0.0000218	0.000248
2061 Feb	129	0.117	0.15	0.00407	29.6	0.0388	38	0.000995	0.000978	0.00000509	0.00629	0.00137	0.0487	0.0178	0.00000547	21.5	0.0000218	0.000248
2061 Mar	129	0.117	0.15	0.00407	29.6	0.0388	38	0.000995	0.000978	0.00000509	0.00629	0.00137	0.0487	0.0178	0.00000547	21.5	0.0000218	0.000248
2061 Apr	129	0.117	0.15	0.00407	29.6	0.0388	38	0.000995	0.000979	0.00000509	0.00629	0.00137	0.0487	0.0178	0.00000547	21.5	0.0000218	0.000248
2061 May	131	0.118	0.151	0.00408	29.7	0.0389	38.5	0.000997	0.000979	0.0000051	0.00634	0.00139	0.0495	0.018	0.00000548	21.8	0.0000221	0.000252
2061 Jun	133	0.121	0.154	0.0041	29.8	0.0389	39.1	0.000999	0.000976	0.0000051	0.00646	0.00147	0.0512	0.0188	0.00000551	22.4	0.0000226	0.000267
2061 Jul	134	0.121	0.155	0.00412	29.9	0.0391	39.3	0.001	0.000979	0.00000512	0.00648	0.00148	0.0515	0.0189	0.00000553	22.5	0.0000227	0.000269
2061 Aug	134	0.122	0.155	0.00413	30	0.0392	39.4	0.001	0.000981	0.00000513	0.0065	0.00148	0.0516	0.019	0.00000554	22.6	0.0000227	0.000269
2061 Sep	134	0.122	0.155	0.00413	30	0.0392	39.4	0.001	0.000982	0.00000513	0.0065	0.00149	0.0516	0.019	0.00000555	22.6	0.0000228	0.000269
2061 Oct	135	0.122	0.156	0.00413	30	0.0392	39.6	0.001	0.000981	0.00000513	0.00652	0.00149	0.052	0.019	0.00000555	22.6	0.0000228	0.00027
2061 Nov	135	0.122	0.156	0.00413	30	0.0392	39.7	0.001	0.000981	0.00000513	0.00653	0.00149	0.0521	0.019	0.00000555	22.7	0.0000229	0.000271
2061 Dec	135	0.122	0.156	0.00413	30	0.0392	39.7	0.001	0.000981	0.00000513	0.00653	0.00149	0.0521	0.019	0.00000555	22.7	0.0000229	0.000271
2062 Jan	135	0.122	0.156	0.00413	30	0.0392	39.7	0.001	0.000981	0.00000513	0.00653	0.00149	0.0521	0.019	0.00000555	22.7	0.0000229	0.000271

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2062 Feb	135	0.122	0.156	0.00413	30	0.0392	39.7	0.001	0.000981	0.00000513	0.00653	0.0015	0.0521	0.019	0.00000555	22.7	0.0000229	0.000271
2062 Mar	135	0.122	0.156	0.00413	30	0.0392	39.7	0.001	0.000981	0.00000513	0.00653	0.0015	0.0522	0.019	0.00000555	22.7	0.0000229	0.000271
2062 Apr	135	0.122	0.156	0.00413	30	0.0392	39.7	0.001	0.000981	0.00000513	0.00653	0.0015	0.0522	0.019	0.00000555	22.7	0.0000229	0.000271
2062 May	135	0.122	0.156	0.00413	30	0.0393	39.7	0.00101	0.000981	0.00000514	0.00653	0.0015	0.0522	0.019	0.00000555	22.7	0.0000229	0.000271
2062 Jun	135	0.122	0.156	0.00411	29.7	0.0392	39.9	0.00101	0.000981	0.00000514	0.00663	0.00152	0.053	0.0191	0.00000557	22.7	0.0000232	0.000275
2062 Jul	136	0.122	0.156	0.00411	29.5	0.0392	40	0.00101	0.000981	0.00000515	0.00669	0.00155	0.0535	0.0191	0.00000559	22.7	0.0000235	0.000279
2062 Aug	136	0.122	0.156	0.00411	29.5	0.0393	40	0.00101	0.000982	0.00000516	0.0067	0.00155	0.0537	0.0191	0.0000056	22.7	0.0000235	0.00028
2062 Sep	136	0.122	0.156	0.00411	29.5	0.0393	40.2	0.00101	0.000982	0.00000516	0.00672	0.00156	0.054	0.0191	0.0000056	22.8	0.0000236	0.000281
2062 Oct	137	0.124	0.158	0.00412	29.4	0.0396	40.6	0.00101	0.000977	0.00000515	0.00678	0.0016	0.0552	0.0191	0.00000561	22.8	0.0000237	0.000286
2062 Nov	137	0.124	0.158	0.00412	29.4	0.0396	40.6	0.00101	0.000977	0.00000515	0.00679	0.0016	0.0552	0.0191	0.00000561	22.8	0.0000237	0.000286
2062 Dec	137	0.124	0.158	0.00412	29.4	0.0397	40.6	0.00101	0.000977	0.00000515	0.00679	0.0016	0.0553	0.0191	0.00000561	22.8	0.0000237	0.000286
2063 Jan	137	0.124	0.158	0.00412	29.4	0.0397	40.6	0.00101	0.000977	0.00000515	0.00679	0.0016	0.0553	0.0191	0.00000561	22.8	0.0000237	0.000286
2063 Feb	137	0.124	0.158	0.00412	29.4	0.0397	40.6	0.00101	0.000977	0.00000515	0.00679	0.0016	0.0553	0.0191	0.00000561	22.8	0.0000237	0.000286
2063 Mar	137	0.124	0.158	0.00412	29.4	0.0397	40.6	0.00101	0.000977	0.00000515	0.00679	0.0016	0.0553	0.0191	0.00000561	22.8	0.0000237	0.000286
2063 Apr	137	0.124	0.158	0.00412	29.4	0.0397	40.6	0.00101	0.000977	0.00000515	0.00679	0.0016	0.0553	0.0191	0.00000561	22.8	0.0000237	0.000286
2063 May	137	0.124	0.158	0.00412	29.4	0.0397	40.6	0.00101	0.000977	0.00000516	0.0068	0.00161	0.0554	0.0192	0.00000562	22.9	0.0000238	0.000288
2063 Jun	136	0.125	0.159	0.0041	29.2	0.0395	40.1	0.00101	0.000967	0.00000513	0.00686	0.00169	0.0559	0.0199	0.00000562	23.2	0.000024	0.000305
2063 Jul	136	0.125	0.16	0.00411	29.2	0.0395	40	0.00101	0.000965	0.00000513	0.00686	0.00171	0.0561	0.0199	0.00000562	23.1	0.0000241	0.000308
2063 Aug	137	0.125	0.16	0.00412	29.2	0.0396	40.1	0.00102	0.000967	0.00000514	0.00688	0.00171	0.0562	0.0199	0.00000564	23.2	0.0000241	0.000309
2063 Sep	137	0.125	0.16	0.00412	29.2	0.0396	40.1	0.00102	0.000968	0.00000514	0.00689	0.00171	0.0563	0.0199	0.00000564	23.2	0.0000241	0.000309
2063 Oct	137	0.125	0.16	0.00412	29.2	0.0396	40.3	0.00102	0.000967	0.00000514	0.00689	0.00171	0.0564	0.0199	0.00000564	23.2	0.0000242	0.00031
2063 Nov	137	0.125	0.16	0.00412	29.2	0.0396	40.3	0.00102	0.000967	0.00000514	0.00689	0.00171	0.0565	0.0199	0.00000564	23.2	0.0000242	0.00031
2063 Dec	137	0.125	0.16	0.00412	29.2	0.0396	40.3	0.00102	0.000967	0.00000514	0.00689	0.00171	0.0565	0.0199	0.00000564	23.2	0.0000242	0.00031
2064 Jan	137	0.125	0.16	0.00412	29.2	0.0396	40.3	0.00102	0.000967	0.00000514	0.00689	0.00171	0.0565	0.0199	0.00000564	23.2	0.0000242	0.00031
2064 Feb	137	0.125	0.16	0.00412	29.2	0.0396	40.3	0.00102	0.000967	0.00000514	0.00689	0.00171	0.0565	0.0199	0.00000564	23.2	0.0000242	0.00031
2064 Mar	137	0.125	0.16	0.00412	29.2	0.0396	40.3	0.00102	0.000967	0.00000514	0.00689	0.00171	0.0565	0.0199	0.00000564	23.2	0.0000242	0.00031
2064 Apr	137	0.125	0.16	0.00412	29.2	0.0396	40.3	0.00102	0.000967	0.00000514	0.00689	0.00172	0.0565	0.0199	0.00000564	23.2	0.0000242	0.00031
2064 May	138	0.125	0.16	0.00412	29.2	0.0396	40.7	0.00102	0.000967	0.00000514	0.00692	0.00173	0.057	0.0201	0.00000565	23.4	0.0000243	0.000312
2064 Jun	140	0.125	0.159	0.00408	29	0.0393	41.4	0.00102	0.000959	0.00000511	0.00695	0.00179	0.0585	0.0206	0.00000564	23.9	0.0000247	0.000323
2064 Jul	140	0.126	0.16	0.00409	29.1	0.0394	41.5	0.00102	0.00096	0.00000512	0.00697	0.00179	0.0586	0.0206	0.00000565	23.9	0.0000247	0.000324
2064 Aug	140	0.126	0.16	0.00409	29.1	0.0394	41.6	0.00102	0.000961	0.00000512	0.00698	0.0018	0.0588	0.0207	0.00000566	24	0.0000247	0.000325
2064 Sep	140	0.126	0.16	0.00408	29	0.0394	41.7	0.00102	0.00096	0.00000512	0.00698	0.0018	0.059	0.0207	0.00000566	24	0.0000248	0.000325
2064 Oct	141	0.126	0.159	0.00408	29	0.0395	41.9	0.00102	0.00096	0.00000512	0.00699	0.0018	0.0592	0.0207	0.00000566	24	0.0000248	0.000326
2064 Nov	141	0.126	0.16	0.00408	29	0.0395	41.9	0.00102	0.000961	0.00000512	0.00699	0.00181	0.0592	0.0207	0.00000566	24	0.0000248	0.000326
2064 Dec	141	0.126	0.16	0.00408	29	0.0395	41.9	0.00102	0.000961	0.00000512	0.00699	0.00181	0.0592	0.0207	0.00000566	24	0.0000248	0.000326
2065 Jan	141	0.126	0.16	0.00408	29	0.0395	41.9	0.00102	0.000961	0.00000512	0.00699	0.00181	0.0592	0.0207	0.00000566	24	0.0000248	0.000326
2065 Feb	141	0.126	0.16	0.00408	29	0.0395	41.9	0.00102	0.000961	0.00000512	0.00699	0.00181	0.0592	0.0207	0.00000566	24	0.0000248	0.000326
2065 Mar	141	0.126	0.16	0.00408	29	0.0395	41.9	0.00102	0.000961	0.00000512	0.00699	0.00181	0.0592	0.0207	0.00000566	24	0.0000248	0.000326
2065 Apr	141	0.126	0.16	0.00408	29	0.0395	41.9	0.00102	0.000961	0.00000512	0.00699	0.00181	0.0593	0.0207	0.00000566	24	0.0000248	0.000326
2065 May	141	0.126	0.159	0.00408	29	0.0395	42.3	0.00102	0.000961	0.00000513	0.00701	0.00181	0.0597	0.0207	0.00000567	24.1	0.0000249	0.000327
2065 Jun	143	0.125	0.158	0.00403	28.8	0.0393	42.8	0.00102	0.000956	0.00000511	0.00704	0.00186	0.0608	0.0211	0.00000567	24.5	0.0000252	0.000335
2065 Jul	143	0.125	0.159	0.00404	28.8	0.0393	43	0.00103	0.000957	0.00000512	0.00706	0.00187	0.061	0.0212	0.00000568	24.6	0.0000252	0.000337
2065 Aug	143	0.126	0.159	0.00405	28.9	0.0394	43	0.00103	0.000959	0.00000513	0.00708	0.00187	0.0612	0.0212	0.0000057	24.6	0.0000253	0.000338
2065 Sep	143	0.125	0.159	0.00405	28.8	0.0394	43.2	0.00103	0.000959	0.00000512	0.00708	0.00187	0.0614	0.0212	0.00000569	24.6	0.0000253	0.000338
2065 Oct	144	0.125	0.158	0.00402	28.6	0.0395	43.7	0.00103	0.000955	0.00000511	0.00711	0.00189	0.0622	0.0212	0.00000569	24.7	0.0000254	0.000339
2065 Nov	144	0.125	0.158	0.00402	28.6	0.0395	43.8	0.00103	0.000955	0.00000511	0.00712	0.00189	0.0623	0.0211	0.00000569	24.7	0.0000254	0.000339
2065 Dec	144	0.125	0.158	0.00402	28.6	0.0395	43.8	0.00103	0.000955	0.00000511	0.00712	0.00189	0.0623	0.0211	0.00000569	24.7	0.0000254	0.000339
2066 Jan	144	0.125	0.158	0.00402	28.6	0.0395	43.8	0.00103	0.000955	0.00000511	0.00712	0.00189	0.0623	0.0211	0.00000569	24.7	0.0000254	0.000339
2066 Feb	144	0.125	0.158	0.00402	28.6	0.0395	43.8	0.00103	0.000955	0.00000511	0.00712	0.00189	0.0623	0.0211	0.00000569	24.7	0.0000254	0.000339
2066 Mar	144	0.125	0.158	0.00402	28.6	0.0395	43.8	0.00103	0.000955	0.00000511	0.00712	0.00189	0.0623	0.0211	0.00000569	24.7	0.0000254	0.000339
2066 Apr	144	0.125	0.158	0.00402	28.6	0.0395	43.8	0.00103	0.000955	0.00000511	0.00712	0.00189	0.0624	0.0211	0.00000569	24.7	0.0000254	0.000339
2066 May	144	0.126	0.158	0.00402	28.6	0.0396	43.8	0.00103	0.000956	0.00000511	0.00712	0.00189	0.0624	0.0212	0.00000569	24.7	0.0000255	0.000339
2066 Jun	144	0.125	0.156	0.00398	28.3	0.0394	43.7	0.00103	0.000949	0.00000509	0.00715	0.00193	0.0627	0.0212	0.00000569	24.7	0.0000256	0.000346
2066 Jul	144	0.125	0.157	0.00399	28.3	0.0395	43.7	0.00103	0.00095	0.0000051	0.00717	0.00194	0.063	0.0213	0.0000057	24.7	0.0000256	0.000349
2066 Aug	144	0.125	0.157	0.00399	28.4	0.0396	43.8	0.00103	0.000952	0.00000511	0.00718	0.00194	0.0631	0.0213	0.00000571	24.8	0.0000257	0.000349
2066 Sep	144	0.125	0.157	0.00399	28.4	0.0396	43.9	0.00103	0.000953	0.00000511	0.00719	0.00195	0.0632	0.0213	0.00000572	24.8	0.0000257	0.00035
2066 Oct	145	0.125	0.157	0.00399	28.3	0.0396	44.1	0.00103	0.000953	0.00000511	0.0072	0.00195	0.0635	0.0213	0.00000572	24.8	0.0000258	0.00035
2066 Nov	145	0.125	0.157	0.00399	28.3	0.0396	44.1	0.00103	0.000952	0.00000511	0.0072	0.00195	0.0635	0.0213	0.00000572	24.8	0.0000258	0.00035
2066 Dec	145	0.125	0.157	0.00399	28.3	0.0396	44.1	0.00103	0.000952	0.00000511	0.0072	0.00195	0.0635	0.0213	0.00000572	24.8	0.0000258	0.00035
2067 Jan	145	0.125	0.157	0.00399	28.3	0.0396	44.1	0.00103	0.000952	0.00000511	0.0072	0.00195	0.0636	0.0213	0.00000572	24.8	0.0000258	0.00035
2067 Feb	145	0.125	0.157	0.00399	28.3	0.0396	44.1	0.00103	0.000952	0.00000511	0.0072	0.00195	0.0636	0.0213	0.00000572	24.8	0.0000258	0.00035
2067 Mar	145	0.125	0.157	0.00399	28.3	0.0396	44.1	0.00103	0.000953	0.00000511	0.0072	0.00195	0.0636	0.0213	0.00000572	24.8	0.0000258	0.00035
2067 Apr	145	0.125	0.157	0.00399	28.3	0.0396	44.1	0.00103	0.000953	0.00000511	0.0072	0.00195	0.0636	0.0213	0.00000572	24.8	0.0000258	0.00035
2067 May	145	0.125	0.157	0.00399	28.3	0.0396	44.3	0.00104	0.000954	0.00000512	0.00722	0.00195	0.0638	0.0214	0.00000573	24.9	0.0000258	0.000351
2067 Jun	145	0.124	0.154	0.00393	28	0.0394	44.4	0.00104	0.000953	0.00000511	0.00725	0.00197	0.064	0.0216	0.00000573	25.1	0.000026	0.000354
2067 Jul	146	0.124	0.154	0.00394	28.1	0.0395	44.6	0.00104	0.000956	0.00000513	0.00727	0.00198	0.0642	0.0217	0.00000574	25.2	0.0000261	0.000355
2067 Aug	146	0.124	0.155	0.00394	28.1	0.0396	44.6	0.00104	0.000957	0.00000514	0.00729	0.00198	0.0643	0.0217	0.00000575	25.2	0.0000261	0.000356
2067 Sep	146	0.125	0.155	0.00394	28.1	0.0396	44.7	0.00104	0.000958	0.00000514	0.00729	0.00198	0.0644	0.0218	0.00000576	25.3	0.0000261	0.000356
2067 Oct	147	0.124	0.154	0.00392	28.1	0.0396	45	0.00104	0.000957	0.00000514	0.0073	0.00198	0.0647	0.0217	0.00000575	25.3	0.0000262	0.000356
2067 Nov	147	0.124	0.154	0.00392	28	0.0396	45	0.00104	0.000957	0.00000514	0.00731	0.00199	0.0648	0.0217	0.00000575	25.3	0.0000262	0.000356
2067 Dec	147	0.124	0.154	0.00392	28	0.0396	45	0.00104	0.000957	0.00000514	0.00731	0.00199	0.0648	0.0217	0.00000575	25.3	0.0000262	0.000356

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2068 Jan	147	0.124	0.154	0.00392	28	0.0396	45	0.00104	0.000957	0.00000514	0.00731	0.00199	0.0648	0.0217	0.00000575	25.3	0.0000262	0.000356

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2068 Feb	147	0.124	0.154	0.00392	28	0.0396	45	0.00104	0.000957	0.00000514	0.00731	0.00199	0.0648	0.0217	0.00000575	25.3	0.0000262	0.000356
2068 Mar	147	0.124	0.154	0.00392	28	0.0396	45	0.00104	0.000957	0.00000514	0.00731	0.00199	0.0648	0.0217	0.00000576	25.3	0.0000262	0.000356
2068 Apr	147	0.124	0.154	0.00392	28.1	0.0396	45.1	0.00104	0.000958	0.00000514	0.00731	0.00199	0.0649	0.0217	0.00000576	25.3	0.0000262	0.000356
2068 May	147	0.124	0.153	0.00391	28	0.0396	45.2	0.00104	0.000959	0.00000514	0.00733	0.00199	0.065	0.0218	0.00000576	25.4	0.0000263	0.000357
2068 Jun	147	0.123	0.151	0.00384	27.7	0.0392	45.3	0.00104	0.000951	0.00000512	0.00734	0.00204	0.0656	0.0223	0.00000575	25.7	0.0000264	0.000368
2068 Jul	147	0.123	0.151	0.00385	27.7	0.0393	45.4	0.00105	0.000952	0.00000512	0.00735	0.00205	0.0658	0.0224	0.00000576	25.8	0.0000265	0.000369
2068 Aug	148	0.123	0.151	0.00386	27.8	0.0394	45.5	0.00105	0.000955	0.00000514	0.00737	0.00206	0.066	0.0224	0.00000578	25.8	0.0000265	0.00037
2068 Sep	148	0.123	0.151	0.00386	27.8	0.0394	45.6	0.00105	0.000955	0.00000514	0.00738	0.00206	0.0661	0.0224	0.00000578	25.9	0.0000266	0.000371
2068 Oct	148	0.123	0.151	0.00386	27.8	0.0394	45.6	0.00105	0.000955	0.00000514	0.00738	0.00206	0.0662	0.0224	0.00000579	25.9	0.0000266	0.000371
2068 Nov	148	0.123	0.151	0.00386	27.8	0.0395	45.7	0.00105	0.000956	0.00000514	0.00739	0.00206	0.0662	0.0224	0.00000579	25.9	0.0000266	0.000371
2068 Dec	148	0.123	0.151	0.00386	27.8	0.0395	45.7	0.00105	0.000956	0.00000514	0.00739	0.00206	0.0662	0.0224	0.00000579	25.9	0.0000266	0.000371
2069 Jan	148	0.123	0.151	0.00386	27.8	0.0395	45.7	0.00105	0.000956	0.00000514	0.00739	0.00206	0.0662	0.0224	0.00000579	25.9	0.0000266	0.000371
2069 Feb	148	0.123	0.151	0.00386	27.8	0.0395	45.7	0.00105	0.000956	0.00000514	0.00739	0.00206	0.0662	0.0224	0.00000579	25.9	0.0000266	0.000371
2069 Mar	148	0.123	0.151	0.00386	27.8	0.0395	45.7	0.00105	0.000956	0.00000514	0.00739	0.00206	0.0662	0.0224	0.00000579	25.9	0.0000266	0.000371
2069 Apr	148	0.123	0.151	0.00386	27.8	0.0395	45.7	0.00105	0.000956	0.00000514	0.00739	0.00206	0.0662	0.0224	0.00000579	25.9	0.0000266	0.000371
2069 May	148	0.124	0.151	0.00386	27.8	0.0395	45.7	0.00105	0.000957	0.00000515	0.00739	0.00206	0.0663	0.0224	0.00000579	25.9	0.0000266	0.000371
2069 Jun	148	0.122	0.149	0.0038	27.4	0.0393	45.8	0.00105	0.000957	0.00000515	0.00743	0.00207	0.0665	0.0224	0.0000058	25.9	0.0000268	0.000372
2069 Jul	148	0.121	0.148	0.0038	27.4	0.0393	45.8	0.00106	0.000959	0.00000516	0.00746	0.00208	0.0667	0.0224	0.00000581	25.9	0.0000269	0.000374
2069 Aug	148	0.122	0.149	0.00381	27.4	0.0393	45.9	0.00106	0.000961	0.00000517	0.00747	0.00208	0.0668	0.0224	0.00000582	25.9	0.0000269	0.000374
2069 Sep	148	0.121	0.148	0.00379	27.3	0.0393	46	0.00106	0.00096	0.00000516	0.00748	0.00209	0.067	0.0224	0.00000582	25.9	0.0000269	0.000374
2069 Oct	148	0.121	0.147	0.00377	27.1	0.0394	46.2	0.00106	0.000958	0.00000516	0.00749	0.00209	0.0673	0.0223	0.00000582	25.9	0.0000269	0.000375
2069 Nov	148	0.121	0.147	0.00377	27.1	0.0394	46.2	0.00106	0.000958	0.00000516	0.0075	0.00209	0.0674	0.0223	0.00000582	25.9	0.0000269	0.000375
2069 Dec	148	0.121	0.147	0.00377	27.1	0.0394	46.2	0.00106	0.000958	0.00000516	0.0075	0.00209	0.0674	0.0223	0.00000582	25.9	0.0000269	0.000375
2070 Jan	148	0.121	0.147	0.00377	27.1	0.0394	46.2	0.00106	0.000958	0.00000516	0.0075	0.00209	0.0674	0.0223	0.00000582	25.9	0.0000269	0.000375
2070 Feb	148	0.121	0.147	0.00377	27.1	0.0394	46.2	0.00106	0.000958	0.00000516	0.0075	0.00209	0.0674	0.0223	0.00000582	25.9	0.0000269	0.000375
2070 Mar	148	0.121	0.147	0.00377	27.1	0.0394	46.2	0.00106	0.000958	0.00000516	0.0075	0.00209	0.0674	0.0223	0.00000582	25.9	0.0000269	0.000375
2070 Apr	148	0.121	0.147	0.00377	27.1	0.0394	46.3	0.00106	0.000958	0.00000516	0.0075	0.0021	0.0674	0.0223	0.00000582	25.9	0.000027	0.000375
2070 May	148	0.121	0.147	0.00376	27.1	0.0395	46.3	0.00106	0.000958	0.00000516	0.00751	0.0021	0.0675	0.0223	0.00000582	25.9	0.000027	0.000376
2070 Jun	148	0.121	0.145	0.00374	27	0.0394	46	0.00106	0.000957	0.00000516	0.00752	0.00213	0.0674	0.0226	0.00000583	26	0.000027	0.000382
2070 Jul	148	0.121	0.146	0.00374	27	0.0395	46.1	0.00107	0.000959	0.00000517	0.00754	0.00213	0.0676	0.0227	0.00000584	26.1	0.0000271	0.000383
2070 Aug	149	0.121	0.146	0.00375	27.1	0.0396	46.2	0.00107	0.000961	0.00000518	0.00755	0.00214	0.0677	0.0227	0.00000585	26.1	0.0000271	0.000384
2070 Sep	149	0.121	0.145	0.00374	27	0.0396	46.3	0.00107	0.00096	0.00000518	0.00756	0.00214	0.0678	0.0227	0.00000585	26.1	0.0000271	0.000384
2070 Oct	149	0.121	0.145	0.00372	26.9	0.0396	46.3	0.00107	0.00096	0.00000517	0.00757	0.00214	0.0679	0.0227	0.00000585	26.1	0.0000271	0.000384
2070 Nov	149	0.121	0.145	0.00372	26.9	0.0396	46.3	0.00107	0.00096	0.00000517	0.00757	0.00214	0.0679	0.0227	0.00000585	26.1	0.0000271	0.000384
2070 Dec	149	0.121	0.145	0.00372	26.9	0.0396	46.3	0.00107	0.00096	0.00000517	0.00757	0.00214	0.0679	0.0227	0.00000585	26.1	0.0000271	0.000384
2071 Jan	149	0.121	0.145	0.00372	26.9	0.0396	46.3	0.00107	0.00096	0.00000517	0.00757	0.00214	0.0679	0.0227	0.00000585	26.1	0.0000271	0.000384
2071 Feb	149	0.121	0.145	0.00372	26.9	0.0396	46.3	0.00107	0.00096	0.00000517	0.00757	0.00214	0.0679	0.0227	0.00000585	26.1	0.0000271	0.000384
2071 Mar	149	0.121	0.145	0.00372	26.9	0.0396	46.3	0.00107	0.00096	0.00000517	0.00757	0.00214	0.0679	0.0227	0.00000585	26.1	0.0000271	0.000384
2071 Apr	149	0.121	0.145	0.00372	26.9	0.0396	46.3	0.00107	0.00096	0.00000517	0.00757	0.00214	0.0679	0.0227	0.00000585	26.1	0.0000271	0.000384
2071 May	149	0.121	0.144	0.00371	26.9	0.0396	46.4	0.00107	0.00096	0.00000517	0.00758	0.00215	0.068	0.0227	0.00000585	26.2	0.0000271	0.000386
2071 Jun	148	0.12	0.143	0.00368	26.8	0.0395	46	0.00108	0.000956	0.00000516	0.00758	0.00219	0.0679	0.0231	0.00000586	26.3	0.0000271	0.000394
2071 Jul	148	0.12	0.143	0.00369	26.8	0.0396	46	0.00108	0.000956	0.00000517	0.00759	0.0022	0.0681	0.0231	0.00000587	26.3	0.0000272	0.000396
2071 Aug	148	0.121	0.143	0.00369	26.8	0.0396	46.1	0.00108	0.000958	0.00000518	0.0076	0.0022	0.0682	0.0232	0.00000588	26.4	0.0000272	0.000397
2071 Sep	148	0.12	0.143	0.00369	26.8	0.0396	46.1	0.00108	0.000958	0.00000518	0.0076	0.00221	0.0682	0.0231	0.00000588	26.4	0.0000272	0.000397
2071 Oct	148	0.12	0.143	0.00368	26.7	0.0396	46.1	0.00108	0.000958	0.00000518	0.0076	0.00221	0.0683	0.0231	0.00000588	26.4	0.0000272	0.000397
2071 Nov	148	0.12	0.143	0.00368	26.7	0.0397	46.2	0.00108	0.000958	0.00000518	0.00761	0.00221	0.0683	0.0231	0.00000588	26.4	0.0000272	0.000397
2071 Dec	148	0.12	0.143	0.00368	26.7	0.0397	46.2	0.00108	0.000958	0.00000518	0.00761	0.00221	0.0683	0.0231	0.00000588	26.4	0.0000272	0.000397
2072 Jan	148	0.12	0.143	0.00368	26.7	0.0397	46.2	0.00108	0.000958	0.00000518	0.00761	0.00221	0.0683	0.0231	0.00000588	26.4	0.0000272	0.000397
2072 Feb	148	0.12	0.143	0.00368	26.7	0.0397	46.2	0.00108	0.000958	0.00000518	0.00761	0.00221	0.0683	0.0231	0.00000588	26.4	0.0000272	0.000397
2072 Mar	148	0.12	0.143	0.00368	26.7	0.0397	46.2	0.00108	0.000958	0.00000518	0.00761	0.00221	0.0683	0.0231	0.00000588	26.4	0.0000272	0.000397
2072 Apr	148	0.12	0.143	0.00368	26.7	0.0397	46.2	0.00108	0.000958	0.00000518	0.00761	0.00221	0.0683	0.0231	0.00000588	26.4	0.0000272	0.000397
2072 May	148	0.12	0.143	0.00368	26.7	0.0397	46.2	0.00108	0.000959	0.00000518	0.00762	0.00221	0.0684	0.0231	0.00000588	26.4	0.0000273	0.000398
2072 Jun	147	0.119	0.141	0.00365	26.5	0.0396	45.9	0.00108	0.000959	0.00000518	0.00764	0.00221	0.0682	0.023	0.00000589	26.2	0.0000273	0.000398
2072 Jul	147	0.119	0.141	0.00364	26.4	0.0397	45.9	0.00109	0.00096	0.00000519	0.00765	0.00221	0.0682	0.023	0.00000589	26.2	0.0000273	0.000399
2072 Aug	147	0.118	0.14	0.00363	26.3	0.0397	45.9	0.00109	0.00096	0.00000519	0.00765	0.00222	0.0682	0.0229	0.0000059	26.1	0.0000273	0.000399
2072 Sep	146	0.118	0.14	0.00362	26.2	0.0398	45.8	0.00109	0.00096	0.00000519	0.00765	0.00222	0.0683	0.0228	0.0000059	26	0.0000272	0.000399
2072 Oct	146	0.118	0.139	0.00361	26.1	0.0399	45.8	0.00109	0.000958	0.00000518	0.00765	0.00223	0.0684	0.0227	0.0000059	26	0.0000271	0.0004
2072 Nov	146	0.118	0.139	0.00361	26.1	0.0399	45.8	0.00109	0.000958	0.00000518	0.00765	0.00223	0.0684	0.0227	0.0000059	25.9	0.0000271	0.0004
2072 Dec	146	0.118	0.139	0.00361	26.1	0.0399	45.8	0.00109	0.000958	0.00000518	0.00765	0.00223	0.0684	0.0227	0.0000059	25.9	0.0000271	0.0004
2073 Jan	146	0.118	0.139	0.00361	26.1	0.0399	45.8	0.00109	0.000958	0.00000518	0.00765	0.00223	0.0684	0.0227	0.0000059	25.9	0.0000271	0.0004
2073 Feb	146	0.118	0.139	0.00361	26.1	0.0399	45.8	0.00109	0.000958	0.00000518	0.00765	0.00223	0.0684	0.0227	0.0000059	25.9	0.0000271	0.0004
2073 Mar	146	0.118	0.139	0.00361	26.1	0.0399	45.8	0.00109	0.000958	0.00000518	0.00765	0.00223	0.0684	0.0227	0.0000059	25.9	0.0000271	0.0004
2073 Apr	146	0.118	0.139	0.00361	26.1	0.0399	45.8	0.00109	0.000958	0.00000518	0.00765	0.00223	0.0685	0.0227	0.0000059	26	0.0000271	0.0004
2073 May	147	0.118	0.139	0.00361	26.1	0.04	46.2	0.00109	0.000958	0.00000518	0.00766	0.00224	0.0689	0.0228	0.00000591	26.1	0.0000272	0.000402
2073 Jun	147	0.118	0.138	0.00359	26	0.0398	46.6	0.00109	0.000954	0.00000517	0.00767	0.00228	0.0696	0.0231	0.00000591	26.3	0.0000273	0.000409
2073 Jul	147	0.118	0.138	0.00359	26.1	0.0399	46.6	0.0011	0.000955	0.00000518	0.00768	0.00229	0.0697	0.0231	0.00000592	26.4	0.0000274	0.000411
2073 Aug	148	0.118	0.138	0.0036	26.1	0.04	46.7	0.0011	0.000957	0.00000519	0.00769	0.00229	0.0698	0.0232	0.00000593	26.4	0.0000274	0.000412
2073 Sep	148	0.118	0.138	0.0036	26.1	0.04	46.7	0.0011	0.000957	0.00000519	0.00769	0.00229	0.0699	0.0232	0.00000593	26.4	0.0000274	0.000412
2073 Oct	148	0.118	0.138	0.00358	26	0.04	46.8	0.0011	0.000956	0.00000518	0.00769	0.00229	0.0701	0.0231	0.00000593	26.4	0.0000274	0.000412
2073 Nov	148	0.118	0.138	0.00358	26	0.04	46.9	0.0011	0.000956	0.00000518	0.0077	0.0023	0.0701	0.0231	0.00000593	26.4	0.0000274	0.000412
2073 Dec	148	0.118	0.138	0.00358	26	0.04	46.9	0.0011	0.000956	0.00000518	0.0077	0.0023	0.0701	0.0231	0.00000593	26.4	0.0000274	0.000412

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2074 Jan	148	0.118	0.138	0.00358	26	0.04	46.9	0.0011	0.000956	0.00000518	0.0077	0.0023	0.0701	0.0231	0.00000593	26.4	0.0000274	0.000412

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2074 Feb	148	0.118	0.138	0.00358	26	0.04	46.9	0.0011	0.000956	0.00000518	0.0077	0.0023	0.0701	0.0231	0.00000593	26.4	0.0000274	0.000412
2074 Mar	148	0.118	0.138	0.00358	26	0.04	46.9	0.0011	0.000956	0.00000518	0.0077	0.0023	0.0701	0.0231	0.00000593	26.4	0.0000274	0.000412
2074 Apr	148	0.118	0.138	0.00358	26	0.04	46.9	0.0011	0.000956	0.00000518	0.0077	0.0023	0.0702	0.0231	0.00000593	26.4	0.0000274	0.000412
2074 May	149	0.117	0.137	0.00357	26	0.04	47.4	0.0011	0.000955	0.00000518	0.00772	0.00231	0.0708	0.0233	0.00000594	26.6	0.0000276	0.000415
2074 Jun	150	0.117	0.136	0.00353	25.9	0.0397	47.9	0.0011	0.000948	0.00000515	0.0077	0.00236	0.0717	0.0237	0.00000593	27	0.0000277	0.000425
2074 Jul	150	0.117	0.136	0.00354	26	0.0398	48	0.00111	0.00095	0.00000516	0.00772	0.00237	0.0719	0.0238	0.00000595	27	0.0000278	0.000427
2074 Aug	150	0.117	0.137	0.00355	26	0.0399	48.1	0.00111	0.000952	0.00000518	0.00774	0.00238	0.072	0.0238	0.00000596	27.1	0.0000279	0.000428
2074 Sep	151	0.117	0.137	0.00355	26	0.0399	48.2	0.00111	0.000952	0.00000518	0.00774	0.00238	0.0722	0.0238	0.00000596	27.1	0.0000279	0.000428
2074 Oct	151	0.117	0.136	0.00355	26	0.0399	48.4	0.00111	0.000952	0.00000517	0.00775	0.00238	0.0724	0.0238	0.00000596	27.1	0.0000279	0.000428
2074 Nov	151	0.117	0.136	0.00354	26	0.0399	48.5	0.00111	0.000952	0.00000517	0.00775	0.00238	0.0725	0.0238	0.00000596	27.2	0.0000279	0.000428
2074 Dec	151	0.117	0.136	0.00354	26	0.0399	48.5	0.00111	0.000952	0.00000517	0.00775	0.00238	0.0725	0.0238	0.00000596	27.2	0.0000279	0.000428
2075 Jan	151	0.117	0.136	0.00354	26	0.0399	48.5	0.00111	0.000952	0.00000517	0.00775	0.00238	0.0725	0.0238	0.00000596	27.2	0.0000279	0.000428
2075 Feb	151	0.117	0.136	0.00354	26	0.0399	48.5	0.00111	0.000952	0.00000517	0.00775	0.00238	0.0725	0.0238	0.00000596	27.2	0.0000279	0.000428
2075 Mar	151	0.117	0.136	0.00354	26	0.0399	48.5	0.00111	0.000952	0.00000517	0.00775	0.00238	0.0725	0.0238	0.00000596	27.2	0.0000279	0.000428
2075 Apr	151	0.117	0.136	0.00355	26	0.0399	48.5	0.00111	0.000952	0.00000518	0.00775	0.00238	0.0726	0.0238	0.00000597	27.2	0.0000279	0.000428
2075 May	152	0.117	0.136	0.00355	26	0.0399	48.7	0.00111	0.000953	0.00000518	0.00776	0.00239	0.0728	0.0239	0.00000597	27.2	0.000028	0.000429
2075 Jun	152	0.116	0.134	0.0035	25.6	0.0397	49.4	0.00111	0.00095	0.00000517	0.00779	0.0024	0.0738	0.0236	0.00000597	27.2	0.0000282	0.000429
2075 Jul	152	0.115	0.134	0.00349	25.5	0.0396	49.6	0.00111	0.00095	0.00000517	0.00781	0.00241	0.0742	0.0236	0.00000598	27.2	0.0000283	0.00043
2075 Aug	153	0.115	0.134	0.0035	25.5	0.0397	49.6	0.00112	0.000952	0.00000518	0.00782	0.00241	0.0743	0.0236	0.00000599	27.2	0.0000284	0.000431
2075 Sep	153	0.115	0.134	0.0035	25.5	0.0397	49.7	0.00112	0.000952	0.00000518	0.00783	0.00241	0.0744	0.0236	0.00000599	27.2	0.0000284	0.000431
2075 Oct	153	0.115	0.134	0.0035	25.5	0.0397	49.8	0.00112	0.000952	0.00000518	0.00783	0.00241	0.0744	0.0236	0.00000599	27.2	0.0000284	0.000431
2075 Nov	153	0.115	0.134	0.0035	25.5	0.0397	49.8	0.00112	0.000952	0.00000518	0.00783	0.00241	0.0745	0.0236	0.00000599	27.2	0.0000284	0.000431
2075 Dec	153	0.115	0.134	0.0035	25.5	0.0397	49.8	0.00112	0.000952	0.00000518	0.00783	0.00241	0.0745	0.0236	0.00000599	27.2	0.0000284	0.000431
2076 Jan	153	0.115	0.134	0.0035	25.5	0.0397	49.8	0.00112	0.000952	0.00000518	0.00783	0.00241	0.0745	0.0236	0.00000599	27.2	0.0000284	0.000431
2076 Feb	153	0.115	0.134	0.0035	25.5	0.0397	49.8	0.00112	0.000952	0.00000518	0.00783	0.00241	0.0745	0.0236	0.00000599	27.2	0.0000284	0.000431
2076 Mar	153	0.115	0.134	0.0035	25.5	0.0397	49.8	0.00112	0.000952	0.00000518	0.00783	0.00241	0.0745	0.0236	0.00000599	27.2	0.0000284	0.000431
2076 Apr	153	0.115	0.134	0.0035	25.5	0.0397	49.8	0.00112	0.000952	0.00000518	0.00784	0.00241	0.0745	0.0236	0.000006	27.2	0.0000284	0.000432
2076 May	153	0.115	0.133	0.00349	25.5	0.0397	49.8	0.00112	0.000953	0.00000519	0.00784	0.00242	0.0746	0.0236	0.000006	27.3	0.0000285	0.000432
2076 Jun	152	0.113	0.131	0.00343	25.3	0.0394	49.4	0.00112	0.000951	0.00000518	0.00783	0.00243	0.0741	0.0239	0.00000599	27.4	0.0000284	0.000436
2076 Jul	152	0.113	0.131	0.00344	25.3	0.0394	49.4	0.00112	0.000952	0.00000518	0.00784	0.00244	0.0742	0.0239	0.000006	27.4	0.0000285	0.000438
2076 Aug	152	0.114	0.131	0.00345	25.3	0.0395	49.5	0.00113	0.000954	0.00000519	0.00785	0.00245	0.0743	0.024	0.00000601	27.4	0.0000285	0.000439
2076 Sep	152	0.114	0.131	0.00345	25.4	0.0395	49.6	0.00113	0.000954	0.0000052	0.00786	0.00245	0.0744	0.024	0.00000602	27.4	0.0000286	0.00044
2076 Oct	152	0.114	0.131	0.00344	25.3	0.0395	49.6	0.00113	0.000954	0.00000519	0.00786	0.00245	0.0745	0.024	0.00000601	27.4	0.0000286	0.00044
2076 Nov	152	0.114	0.131	0.00344	25.3	0.0395	49.7	0.00113	0.000954	0.00000519	0.00786	0.00245	0.0745	0.024	0.00000601	27.4	0.0000286	0.00044
2076 Dec	152	0.114	0.131	0.00344	25.3	0.0395	49.7	0.00113	0.000954	0.00000519	0.00786	0.00245	0.0745	0.024	0.00000601	27.4	0.0000286	0.00044
2077 Jan	152	0.114	0.131	0.00344	25.3	0.0395	49.7	0.00113	0.000954	0.00000519	0.00786	0.00245	0.0745	0.024	0.00000601	27.4	0.0000286	0.00044
2077 Feb	152	0.114	0.131	0.00344	25.3	0.0395	49.7	0.00113	0.000954	0.00000519	0.00786	0.00245	0.0745	0.024	0.00000601	27.4	0.0000286	0.00044
2077 Mar	152	0.114	0.131	0.00344	25.3	0.0395	49.7	0.00113	0.000954	0.00000519	0.00786	0.00245	0.0745	0.024	0.00000601	27.4	0.0000286	0.00044
2077 Apr	152	0.114	0.131	0.00344	25.3	0.0395	49.7	0.00113	0.000954	0.00000519	0.00786	0.00245	0.0746	0.024	0.00000602	27.4	0.0000286	0.00044
2077 May	153	0.114	0.131	0.00344	25.3	0.0395	49.7	0.00113	0.000954	0.0000052	0.00787	0.00245	0.0746	0.024	0.00000602	27.5	0.0000286	0.00044
2077 Jun	153	0.113	0.129	0.0034	25.2	0.0392	49.7	0.00113	0.000951	0.00000518	0.00786	0.00248	0.0747	0.0243	0.00000601	27.7	0.0000286	0.000446
2077 Jul	153	0.113	0.129	0.0034	25.2	0.0393	49.9	0.00113	0.000953	0.00000519	0.00788	0.00249	0.0749	0.0243	0.00000603	27.7	0.0000287	0.000447
2077 Aug	153	0.113	0.13	0.00341	25.3	0.0394	50	0.00113	0.000955	0.0000052	0.0079	0.00249	0.0751	0.0244	0.00000604	27.8	0.0000288	0.000448
2077 Sep	153	0.113	0.129	0.0034	25.2	0.0394	50	0.00113	0.000954	0.0000052	0.00789	0.00249	0.0751	0.0243	0.00000603	27.8	0.0000287	0.000447
2077 Oct	153	0.113	0.128	0.00339	25.1	0.0394	50	0.00113	0.000954	0.0000052	0.0079	0.00249	0.0751	0.0243	0.00000603	27.7	0.0000287	0.000447
2077 Nov	153	0.113	0.128	0.00339	25.1	0.0394	50	0.00113	0.000954	0.0000052	0.0079	0.00249	0.0752	0.0243	0.00000603	27.8	0.0000287	0.000447
2077 Dec	153	0.113	0.128	0.00339	25.1	0.0394	50	0.00113	0.000954	0.0000052	0.0079	0.00249	0.0752	0.0243	0.00000604	27.8	0.0000287	0.000447
2078 Jan	153	0.113	0.128	0.00339	25.1	0.0394	50	0.00113	0.000954	0.0000052	0.0079	0.00249	0.0752	0.0243	0.00000604	27.8	0.0000287	0.000447
2078 Feb	153	0.113	0.128	0.00339	25.1	0.0394	50	0.00113	0.000955	0.0000052	0.0079	0.00249	0.0752	0.0243	0.00000604	27.8	0.0000287	0.000447
2078 Mar	153	0.113	0.128	0.00339	25.1	0.0394	50	0.00113	0.000955	0.0000052	0.0079	0.00249	0.0752	0.0243	0.00000604	27.8	0.0000287	0.000447
2078 Apr	153	0.113	0.128	0.00339	25.1	0.0394	50	0.00114	0.000955	0.0000052	0.0079	0.00249	0.0752	0.0243	0.00000604	27.8	0.0000288	0.000447
2078 May	154	0.112	0.128	0.00337	25.1	0.0393	50.3	0.00114	0.000955	0.0000052	0.00791	0.00251	0.0755	0.0245	0.00000604	27.9	0.0000289	0.00045
2078 Jun	154	0.112	0.127	0.00334	25.1	0.0391	50.4	0.00114	0.000951	0.00000519	0.0079	0.00254	0.0758	0.0248	0.00000604	28.2	0.0000289	0.000457
2078 Jul	154	0.112	0.127	0.00335	25.1	0.0392	50.5	0.00114	0.000953	0.0000052	0.00792	0.00255	0.076	0.0249	0.00000606	28.2	0.000029	0.000459
2078 Aug	155	0.112	0.127	0.00336	25.2	0.0393	50.6	0.00114	0.000955	0.00000521	0.00793	0.00255	0.0761	0.0249	0.00000607	28.3	0.000029	0.00046
2078 Sep	155	0.112	0.127	0.00336	25.2	0.0393	50.7	0.00115	0.000955	0.00000521	0.00794	0.00255	0.0762	0.025	0.00000607	28.3	0.000029	0.00046
2078 Oct	155	0.112	0.127	0.00336	25.2	0.0393	50.8	0.00115	0.000955	0.00000521	0.00794	0.00256	0.0764	0.025	0.00000607	28.3	0.0000291	0.00046
2078 Nov	155	0.112	0.127	0.00335	25.2	0.0393	50.8	0.00115	0.000955	0.00000521	0.00794	0.00256	0.0764	0.025	0.00000607	28.3	0.0000291	0.00046
2078 Dec	155	0.112	0.127	0.00335	25.2	0.0393	50.8	0.00115	0.000955	0.00000521	0.00794	0.00256	0.0764	0.025	0.00000607	28.3	0.0000291	0.00046
2079 Jan	155	0.112	0.127	0.00335	25.2	0.0393	50.8	0.00115	0.000955	0.00000521	0.00794	0.00256	0.0764	0.025	0.00000607	28.3	0.0000291	0.00046
2079 Feb	155	0.112	0.127	0.00335	25.2	0.0393	50.8	0.00115	0.000955	0.00000521	0.00794	0.00256	0.0764	0.025	0.00000607	28.3	0.0000291	0.00046
2079 Mar	155	0.112	0.127	0.00336	25.2	0.0393	50.8	0.00115	0.000955	0.00000521	0.00794	0.00256	0.0764	0.025	0.00000607	28.3	0.0000291	0.00046
2079 Apr	155	0.112	0.127	0.00336	25.2	0.0393	50.8	0.00115	0.000955	0.00000521	0.00794	0.00256	0.0764	0.025	0.00000607	28.3	0.0000291	0.00046
2079 May	155	0.112	0.127	0.00336	25.2	0.0394	50.9	0.00115	0.000956	0.00000522	0.00795	0.00256	0.0765	0.025	0.00000608	28.4	0.0000291	0.000461
2079 Jun	155	0.11	0.125	0.00331	24.9	0.039	51	0.00115	0.000954	0.00000521	0.00795	0.00257	0.0767	0.025	0.00000607	28.4	0.0000292	0.000462
2079 Jul	155	0.11	0.125	0.00331	24.8	0.039	51	0.00115	0.000954	0.00000521	0.00796	0.00258	0.0769	0.0249	0.00000608	28.3	0.0000292	0.000464
2079 Aug	155	0.11	0.125	0.00331	24.9	0.0391	51.1	0.00115	0.000956	0.00000522	0.00797	0.00258	0.077	0.025	0.00000609	28.4	0.0000293	0.000465
2079 Sep	155	0.11	0.124	0.00331	24.8	0.0391	51.2	0.00115	0.000956	0.00000522	0.00797	0.00258	0.0771	0.0249	0.00000609	28.4	0.0000293	0.000465
2079 Oct	155	0.11	0.124	0.0033	24.7	0.0391	51.3	0.00115	0.000955	0.00000522	0.00798	0.00258	0.0772	0.0249	0.00000609	28.3	0.0000293	0.000464
2079 Nov	155	0.11	0.124	0.00329	24.7	0.0391	51.3	0.00115	0.000955	0.00000521	0.00798	0.00259	0.0773	0.0248	0.00000609	28.3	0.0000293	0.000464
2079 Dec	155	0.11	0.124	0.00329	24.7	0.0391	51.4	0.00115	0.000955	0.00000521	0.00799	0.00259	0.0774	0.0248	0.00000609	28.3	0.0000293	0.000464

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2080 Jan	155	0.11	0.124	0.00329	24.7	0.0391	51.4	0.00115	0.000955	0.00000521	0.00799	0.00259	0.0774	0.0248	0.00000609	28.3	0.0000293	0.000464
2080 Feb	155	0.11	0.124	0.00329	24.7	0.0391	51.4	0.00115	0.000955	0.00000521	0.00799	0.00259	0.0774	0.0248	0.00000609	28.3	0.0000293	0.000464
2080 Mar	155	0.11	0.124	0.00329	24.7	0.0391	51.4	0.00115	0.000955	0.00000521	0.00799	0.00259	0.0774	0.0248	0.00000609	28.3	0.0000293	0.000464
2080 Apr	155	0.11	0.124	0.00329	24.7	0.0391	51.4	0.00115	0.000955	0.00000521	0.00799	0.00259	0.0774	0.0248	0.00000609	28.3	0.0000293	0.000464
2080 May	155	0.11	0.124	0.00329	24.7	0.0392	51.4	0.00116	0.000956	0.00000522	0.00799	0.00259	0.0775	0.0249	0.0000061	28.3	0.0000293	0.000465
2080 Jun	154	0.109	0.123	0.00327	24.5	0.0391	51.2	0.00116	0.000955	0.00000522	0.008	0.00259	0.0774	0.0246	0.0000061	28.1	0.0000293	0.000465
2080 Jul	154	0.108	0.122	0.00327	24.4	0.0391	51.2	0.00116	0.000955	0.00000522	0.00801	0.0026	0.0774	0.0245	0.0000061	28	0.0000294	0.000466
2080 Aug	154	0.108	0.122	0.00327	24.4	0.0392	51.2	0.00116	0.000956	0.00000523	0.00802	0.0026	0.0775	0.0245	0.00000611	28	0.0000294	0.000466
2080 Sep	154	0.108	0.122	0.00326	24.3	0.0392	51.2	0.00116	0.000957	0.00000523	0.00802	0.0026	0.0776	0.0245	0.00000611	28	0.0000294	0.000466
2080 Oct	154	0.108	0.122	0.00326	24.3	0.0392	51.3	0.00116	0.000956	0.00000522	0.00802	0.0026	0.0777	0.0244	0.00000611	28	0.0000294	0.000466
2080 Nov	154	0.108	0.121	0.00325	24.2	0.0392	51.4	0.00116	0.000956	0.00000522	0.00803	0.00261	0.0778	0.0244	0.00000612	28	0.0000294	0.000466
2080 Dec	154	0.108	0.121	0.00325	24.2	0.0392	51.4	0.00116	0.000956	0.00000522	0.00803	0.00261	0.0778	0.0244	0.00000612	28	0.0000294	0.000466
2081 Jan	154	0.108	0.121	0.00325	24.2	0.0392	51.4	0.00116	0.000956	0.00000522	0.00803	0.00261	0.0778	0.0244	0.00000612	28	0.0000294	0.000466
2081 Feb	154	0.108	0.121	0.00325	24.2	0.0392	51.4	0.00116	0.000956	0.00000522	0.00803	0.00261	0.0778	0.0244	0.00000612	28	0.0000294	0.000466
2081 Mar	154	0.108	0.121	0.00325	24.2	0.0392	51.4	0.00116	0.000956	0.00000522	0.00803	0.00261	0.0778	0.0244	0.00000612	28	0.0000294	0.000466
2081 Apr	154	0.108	0.121	0.00325	24.2	0.0393	51.4	0.00116	0.000956	0.00000522	0.00803	0.00261	0.0778	0.0244	0.00000612	28	0.0000294	0.000466
2081 May	154	0.108	0.121	0.00325	24.2	0.0393	51.4	0.00117	0.000956	0.00000523	0.00804	0.00262	0.0779	0.0245	0.00000612	28	0.0000294	0.000468
2081 Jun	154	0.107	0.12	0.00323	24.2	0.0392	51.3	0.00117	0.000954	0.00000522	0.00802	0.00264	0.0778	0.0247	0.00000612	28.1	0.0000293	0.000473
2081 Jul	154	0.108	0.121	0.00324	24.3	0.0393	51.4	0.00117	0.000957	0.00000523	0.00804	0.00265	0.078	0.0248	0.00000614	28.2	0.0000294	0.000474
2081 Aug	154	0.108	0.121	0.00325	24.3	0.0394	51.5	0.00118	0.000959	0.00000525	0.00807	0.00265	0.0782	0.0248	0.00000616	28.3	0.0000295	0.000476
2081 Sep	154	0.108	0.121	0.00325	24.4	0.0394	51.5	0.00118	0.00096	0.00000525	0.00807	0.00265	0.0783	0.0248	0.00000616	28.3	0.0000295	0.000476
2081 Oct	154	0.108	0.121	0.00325	24.4	0.0394	51.6	0.00118	0.00096	0.00000525	0.00807	0.00266	0.0783	0.0248	0.00000616	28.3	0.0000295	0.000476
2081 Nov	155	0.108	0.121	0.00325	24.3	0.0394	51.6	0.00118	0.00096	0.00000525	0.00807	0.00266	0.0784	0.0248	0.00000616	28.3	0.0000295	0.000476
2081 Dec	155	0.108	0.121	0.00325	24.3	0.0394	51.6	0.00118	0.00096	0.00000525	0.00807	0.00266	0.0784	0.0248	0.00000616	28.3	0.0000295	0.000476
2082 Jan	155	0.108	0.121	0.00325	24.3	0.0394	51.6	0.00118	0.00096	0.00000525	0.00807	0.00266	0.0784	0.0248	0.00000616	28.3	0.0000295	0.000476
2082 Feb	155	0.108	0.121	0.00325	24.3	0.0394	51.6	0.00118	0.00096	0.00000525	0.00807	0.00266	0.0784	0.0248	0.00000616	28.3	0.0000295	0.000476
2082 Mar	155	0.108	0.121	0.00325	24.3	0.0394	51.6	0.00118	0.00096	0.00000525	0.00807	0.00266	0.0784	0.0248	0.00000616	28.3	0.0000295	0.000476
2082 Apr	155	0.108	0.121	0.00325	24.4	0.0395	51.6	0.00118	0.00096	0.00000525	0.00808	0.00266	0.0784	0.0248	0.00000616	28.3	0.0000295	0.000476
2082 May	155	0.108	0.121	0.00325	24.4	0.0395	51.7	0.00118	0.000961	0.00000526	0.00808	0.00266	0.0784	0.0249	0.00000617	28.3	0.0000296	0.000477
2082 Jun	155	0.106	0.119	0.0032	24	0.0392	52	0.00118	0.00096	0.00000525	0.0081	0.00265	0.0789	0.0246	0.00000616	28.2	0.0000297	0.000475
2082 Jul	154	0.105	0.118	0.00319	23.8	0.039	52.1	0.00118	0.000958	0.00000524	0.00811	0.00266	0.0791	0.0244	0.00000617	28	0.0000298	0.000476
2082 Aug	155	0.105	0.118	0.00319	23.8	0.0391	52.2	0.00118	0.00096	0.00000525	0.00813	0.00267	0.0793	0.0244	0.00000618	28.1	0.0000299	0.000477
2082 Sep	155	0.105	0.118	0.0032	23.8	0.0392	52.2	0.00118	0.000961	0.00000526	0.00814	0.00267	0.0793	0.0244	0.00000618	28.1	0.0000299	0.000477
2082 Oct	154	0.105	0.118	0.00319	23.7	0.0391	52.2	0.00118	0.00096	0.00000525	0.00813	0.00267	0.0793	0.0244	0.00000618	28	0.0000298	0.000476
2082 Nov	154	0.105	0.118	0.00318	23.7	0.0391	52.2	0.00118	0.00096	0.00000525	0.00813	0.00267	0.0793	0.0244	0.00000618	28	0.0000298	0.000476
2082 Dec	154	0.105	0.118	0.00318	23.7	0.0391	52.2	0.00118	0.00096	0.00000525	0.00813	0.00267	0.0793	0.0244	0.00000618	28	0.0000298	0.000476
2083 Jan	154	0.105	0.118	0.00318	23.7	0.0391	52.2	0.00118	0.00096	0.00000525	0.00813	0.00267	0.0793	0.0244	0.00000618	28	0.0000299	0.000476
2083 Feb	154	0.105	0.118	0.00318	23.7	0.0391	52.2	0.00118	0.00096	0.00000525	0.00813	0.00267	0.0793	0.0244	0.00000618	28	0.0000299	0.000476
2083 Mar	154	0.105	0.118	0.00318	23.7	0.0391	52.2	0.00118	0.00096	0.00000525	0.00813	0.00267	0.0793	0.0244	0.00000618	28	0.0000299	0.000476
2083 Apr	154	0.105	0.118	0.00319	23.7	0.0391	52.2	0.00118	0.00096	0.00000525	0.00813	0.00267	0.0794	0.0244	0.00000618	28	0.0000299	0.000476
2083 May	155	0.105	0.117	0.00318	23.7	0.0391	52.5	0.00119	0.000961	0.00000526	0.00815	0.00267	0.0797	0.0244	0.00000618	28.2	0.00003	0.000477
2083 Jun	156	0.104	0.116	0.00315	23.6	0.0389	53	0.00119	0.000957	0.00000524	0.00814	0.00271	0.0804	0.0247	0.00000618	28.4	0.0000301	0.000484
2083 Jul	156	0.104	0.116	0.00315	23.7	0.039	53.1	0.00119	0.000957	0.00000525	0.00815	0.00272	0.0806	0.0248	0.00000619	28.5	0.0000301	0.000486
2083 Aug	156	0.104	0.116	0.00316	23.7	0.039	53.1	0.00119	0.000958	0.00000525	0.00816	0.00273	0.0807	0.0248	0.0000062	28.5	0.0000302	0.000487
2083 Sep	156	0.104	0.116	0.00315	23.7	0.039	53.2	0.00119	0.000958	0.00000525	0.00816	0.00273	0.0809	0.0248	0.0000062	28.5	0.0000302	0.000487
2083 Oct	156	0.104	0.116	0.00314	23.6	0.0391	53.5	0.00119	0.000957	0.00000525	0.00816	0.00273	0.0812	0.0247	0.0000062	28.4	0.0000301	0.000487
2083 Nov	156	0.104	0.115	0.00314	23.5	0.0391	53.5	0.0012	0.000956	0.00000524	0.00816	0.00274	0.0814	0.0246	0.0000062	28.4	0.0000301	0.000487
2083 Dec	156	0.104	0.115	0.00314	23.5	0.0391	53.5	0.0012	0.000956	0.00000524	0.00816	0.00274	0.0814	0.0246	0.0000062	28.4	0.0000301	0.000487
2084 Jan	156	0.104	0.115	0.00314	23.5	0.0391	53.5	0.0012	0.000956	0.00000524	0.00816	0.00274	0.0814	0.0246	0.0000062	28.4	0.0000301	0.000487
2084 Feb	156	0.104	0.115	0.00314	23.5	0.0391	53.6	0.0012	0.000956	0.00000524	0.00816	0.00274	0.0814	0.0246	0.0000062	28.4	0.0000301	0.000487
2084 Mar	156	0.104	0.115	0.00314	23.5	0.0391	53.6	0.0012	0.000956	0.00000524	0.00817	0.00274	0.0814	0.0246	0.0000062	28.4	0.0000301	0.000488
2084 Apr	157	0.104	0.116	0.00314	23.6	0.0392	53.6	0.0012	0.000956	0.00000525	0.00817	0.00274	0.0814	0.0247	0.00000621	28.4	0.0000302	0.000488
2084 May	157	0.104	0.115	0.00313	23.6	0.0392	53.7	0.0012	0.000956	0.00000525	0.00818	0.00275	0.0816	0.0248	0.00000621	28.6	0.0000302	0.00049
2084 Jun	157	0.104	0.115	0.00312	23.6	0.039	53.7	0.0012	0.000951	0.00000523	0.00815	0.00279	0.0817	0.0251	0.00000621	28.7	0.0000302	0.000498
2084 Jul	157	0.104	0.115	0.00312	23.7	0.0391	53.8	0.0012	0.000952	0.00000523	0.00816	0.0028	0.082	0.0251	0.00000622	28.8	0.0000302	0.000499
2084 Aug	157	0.104	0.115	0.00313	23.7	0.0391	53.9	0.00121	0.000954	0.00000524	0.00817	0.0028	0.0821	0.0252	0.00000623	28.8	0.0000303	0.0005
2084 Sep	157	0.104	0.115	0.00313	23.7	0.0391	53.9	0.00121	0.000954	0.00000524	0.00817	0.0028	0.0822	0.0252	0.00000623	28.8	0.0000303	0.0005
2084 Oct	157	0.104	0.115	0.00312	23.6	0.0391	54.1	0.00121	0.000953	0.00000524	0.00817	0.0028	0.0823	0.0251	0.00000623	28.8	0.0000303	0.0005
2084 Nov	158	0.104	0.115	0.00312	23.6	0.0391	54.1	0.00121	0.000953	0.00000524	0.00817	0.00281	0.0824	0.0251	0.00000623	28.8	0.0000303	0.0005
2084 Dec	158	0.104	0.115	0.00312	23.6	0.0391	54.1	0.00121	0.000953	0.00000524	0.00817	0.00281	0.0824	0.0251	0.00000623	28.8	0.0000303	0.0005
2085 Jan	158	0.104	0.115	0.00312	23.6	0.0391	54.1	0.00121	0.000953	0.00000524	0.00817	0.00281	0.0824	0.0251	0.00000623	28.8	0.0000303	0.0005
2085 Feb	158	0.104	0.115	0.00312	23.6	0.0391	54.1	0.00121	0.000953	0.00000524	0.00818	0.00281	0.0824	0.0251	0.00000623	28.8	0.0000303	0.0005
2085 Mar	158	0.104	0.115	0.00312	23.6	0.0391	54.1	0.00121	0.000953	0.00000524	0.00818	0.00281	0.0824	0.0251	0.00000623	28.8	0.0000303	0.0005
2085 Apr	158	0.104	0.115	0.00312	23.6	0.0392	54.1	0.00121	0.000953	0.00000524	0.00818	0.00281	0.0824	0.0251	0.00000623	28.8	0.0000303	0.0005
2085 May	158	0.104	0.114	0.00311	23.6	0.0391	54.3	0.00121	0.000953	0.00000524	0.00818	0.00281	0.0826	0.0252	0.00000623	28.9	0.0000303	0.000501
2085 Jun	158	0.104	0.114	0.00309	23.6	0.0391	54.4	0.00121	0.000952	0.00000524	0.00818	0.00283	0.0828	0.0254	0.00000623	29.1	0.0000304	0.000504
2085 Jul	159	0.104	0.114	0.0031	23.7	0.0392	54.6	0.00121	0.000954	0.00000525	0.0082	0.00283	0.083	0.0254	0.00000625	29.2	0.0000304	0.000506
2085 Aug	159	0.104	0.114	0.0031	23.7	0.0392	54.6	0.00121	0.000955	0.00000525	0.0082	0.00284	0.0831	0.0255	0.00000625	29.2	0.0000304	0.000506
2085 Sep	159	0.104	0.113	0.00309	23.6	0.0392	54.8	0.00121	0.000954	0.00000525	0.0082	0.00284	0.0833	0.0255	0.00000625	29.2	0.0000304	0.000506
2085 Oct	159	0.104	0.113	0.00308	23.5	0.0392	55.1	0.00121	0.000953	0.00000524	0.0082	0.00284	0.0837	0.0254	0.00000625	29.2	0.0000304	0.000506
2085 Nov	160	0.104	0.113	0.00308	23.5	0.0393	55.3	0.00121	0.000952	0.00000524	0.00821	0.00285	0.0839	0.0254	0.00000625	29.3	0.0000305	0.000506

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2085 Dec	160	0.104	0.113	0.00308	23.5	0.0393	55.3	0.00121	0.000952	0.00000524	0.00821	0.00285	0.0839	0.0254	0.00000625	29.3	0.0000305	0.000506

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2086 Jan	160	0.104	0.113	0.00308	23.5	0.0393	55.3	0.00121	0.000952	0.00000524	0.00821	0.00285	0.0839	0.0254	0.00000625	29.3	0.0000305	0.000507
2086 Feb	160	0.104	0.113	0.00308	23.5	0.0393	55.3	0.00121	0.000952	0.00000524	0.00821	0.00285	0.0839	0.0254	0.00000625	29.3	0.0000305	0.000507
2086 Mar	160	0.104	0.113	0.00308	23.5	0.0393	55.3	0.00121	0.000952	0.00000524	0.00821	0.00285	0.0839	0.0254	0.00000625	29.3	0.0000305	0.000507
2086 Apr	160	0.104	0.113	0.00308	23.5	0.0393	55.3	0.00121	0.000952	0.00000524	0.00821	0.00285	0.0839	0.0254	0.00000625	29.3	0.0000305	0.000507
2086 May	160	0.104	0.113	0.00308	23.6	0.0393	55.4	0.00121	0.000953	0.00000524	0.00822	0.00285	0.0841	0.0254	0.00000625	29.3	0.0000305	0.000507
2086 Jun	160	0.103	0.112	0.00306	23.5	0.0391	55.6	0.00122	0.000947	0.00000522	0.0082	0.00289	0.0845	0.0256	0.00000625	29.4	0.0000305	0.000514
2086 Jul	160	0.103	0.112	0.00307	23.6	0.0392	55.7	0.00122	0.000948	0.00000523	0.00821	0.0029	0.0848	0.0257	0.00000626	29.5	0.0000306	0.000517
2086 Aug	160	0.104	0.113	0.00307	23.6	0.0393	55.8	0.00122	0.000949	0.00000524	0.00822	0.00291	0.0849	0.0257	0.00000627	29.5	0.0000306	0.000518
2086 Sep	161	0.103	0.112	0.00306	23.5	0.0393	55.9	0.00122	0.000949	0.00000524	0.00822	0.00291	0.0851	0.0257	0.00000627	29.5	0.0000307	0.000518
2086 Oct	161	0.103	0.112	0.00306	23.5	0.0393	56	0.00122	0.000949	0.00000523	0.00822	0.00291	0.0852	0.0257	0.00000627	29.5	0.0000307	0.000517
2086 Nov	161	0.103	0.112	0.00306	23.5	0.0393	56	0.00122	0.000949	0.00000524	0.00822	0.00291	0.0853	0.0257	0.00000627	29.5	0.0000307	0.000517
2086 Dec	161	0.103	0.112	0.00306	23.5	0.0393	56	0.00122	0.000949	0.00000524	0.00822	0.00291	0.0853	0.0257	0.00000627	29.5	0.0000307	0.000517
2087 Jan	161	0.103	0.112	0.00306	23.5	0.0393	56	0.00122	0.000949	0.00000524	0.00822	0.00291	0.0853	0.0257	0.00000627	29.5	0.0000307	0.000517
2087 Feb	161	0.103	0.112	0.00306	23.5	0.0393	56	0.00122	0.000949	0.00000524	0.00823	0.00291	0.0853	0.0257	0.00000627	29.5	0.0000307	0.000517
2087 Mar	161	0.103	0.112	0.00306	23.5	0.0393	56.1	0.00122	0.000949	0.00000524	0.00823	0.00291	0.0853	0.0257	0.00000627	29.5	0.0000307	0.000517
2087 Apr	161	0.103	0.112	0.00306	23.5	0.0393	56.1	0.00122	0.000949	0.00000524	0.00823	0.00291	0.0853	0.0257	0.00000627	29.5	0.0000307	0.000518
2087 May	161	0.103	0.112	0.00305	23.5	0.0393	56.1	0.00122	0.000949	0.00000524	0.00823	0.00291	0.0854	0.0257	0.00000628	29.6	0.0000307	0.000518
2087 Jun	161	0.103	0.111	0.00303	23.5	0.0391	56.2	0.00123	0.000947	0.00000523	0.00822	0.00293	0.0855	0.0259	0.00000627	29.7	0.0000307	0.000521
2087 Jul	161	0.103	0.111	0.00304	23.5	0.0392	56.3	0.00123	0.000949	0.00000524	0.00823	0.00293	0.0856	0.0259	0.00000628	29.8	0.0000307	0.000522
2087 Aug	162	0.103	0.111	0.00304	23.5	0.0393	56.4	0.00123	0.000951	0.00000525	0.00825	0.00294	0.0858	0.026	0.0000063	29.8	0.0000308	0.000523
2087 Sep	162	0.103	0.111	0.00304	23.6	0.0393	56.5	0.00123	0.000952	0.00000525	0.00826	0.00294	0.0859	0.026	0.0000063	29.8	0.0000308	0.000524
2087 Oct	162	0.103	0.111	0.00304	23.5	0.0393	56.6	0.00123	0.000952	0.00000525	0.00826	0.00294	0.086	0.026	0.0000063	29.9	0.0000308	0.000523
2087 Nov	162	0.103	0.111	0.00304	23.5	0.0393	56.6	0.00123	0.000952	0.00000525	0.00826	0.00294	0.086	0.026	0.0000063	29.9	0.0000308	0.000523
2087 Dec	162	0.103	0.111	0.00304	23.5	0.0393	56.6	0.00123	0.000952	0.00000525	0.00826	0.00294	0.086	0.026	0.0000063	29.9	0.0000308	0.000523
2088 Jan	162	0.103	0.111	0.00304	23.5	0.0393	56.6	0.00123	0.000952	0.00000525	0.00826	0.00294	0.086	0.026	0.0000063	29.9	0.0000308	0.000523
2088 Feb	162	0.103	0.111	0.00304	23.5	0.0393	56.6	0.00123	0.000952	0.00000525	0.00826	0.00294	0.086	0.026	0.0000063	29.9	0.0000308	0.000523
2088 Mar	162	0.103	0.111	0.00304	23.5	0.0393	56.6	0.00123	0.000952	0.00000525	0.00826	0.00294	0.086	0.026	0.0000063	29.9	0.0000308	0.000523
2088 Apr	162	0.103	0.111	0.00304	23.5	0.0393	56.6	0.00123	0.000952	0.00000526	0.00826	0.00295	0.0861	0.026	0.00000631	29.9	0.0000309	0.000524
2088 May	162	0.103	0.111	0.00304	23.6	0.0394	56.7	0.00123	0.000953	0.00000526	0.00827	0.00295	0.0862	0.026	0.00000631	29.9	0.0000309	0.000524
2088 Jun	162	0.102	0.109	0.00301	23.3	0.0392	56.6	0.00123	0.000955	0.00000526	0.00828	0.00294	0.086	0.0259	0.00000631	29.9	0.0000309	0.000522
2088 Jul	162	0.102	0.109	0.00301	23.3	0.0392	56.7	0.00124	0.000957	0.00000527	0.00831	0.00294	0.0861	0.0259	0.00000632	29.9	0.000031	0.000522
2088 Aug	163	0.102	0.109	0.00301	23.4	0.0393	56.9	0.00124	0.00096	0.00000529	0.00833	0.00295	0.0863	0.026	0.00000634	30	0.0000311	0.000524
2088 Sep	163	0.102	0.109	0.00302	23.4	0.0394	56.9	0.00124	0.000961	0.00000529	0.00834	0.00295	0.0864	0.026	0.00000634	30	0.0000311	0.000524
2088 Oct	163	0.102	0.109	0.00301	23.3	0.0393	56.9	0.00124	0.00096	0.00000529	0.00834	0.00294	0.0863	0.026	0.00000634	30	0.0000311	0.000523
2088 Nov	163	0.102	0.109	0.003	23.3	0.0393	56.9	0.00124	0.00096	0.00000529	0.00834	0.00294	0.0864	0.026	0.00000634	30	0.0000311	0.000522
2088 Dec	163	0.102	0.109	0.003	23.3	0.0393	56.9	0.00124	0.00096	0.00000529	0.00834	0.00294	0.0864	0.026	0.00000634	30	0.0000311	0.000523
2089 Jan	163	0.102	0.109	0.003	23.3	0.0393	56.9	0.00124	0.00096	0.00000529	0.00834	0.00294	0.0864	0.026	0.00000634	30	0.0000311	0.000523
2089 Feb	163	0.102	0.109	0.003	23.3	0.0393	56.9	0.00124	0.00096	0.00000529	0.00834	0.00294	0.0864	0.026	0.00000634	30	0.0000311	0.000523
2089 Mar	163	0.102	0.109	0.003	23.3	0.0393	56.9	0.00124	0.000961	0.00000529	0.00834	0.00294	0.0864	0.026	0.00000634	30	0.0000311	0.000523
2089 Apr	163	0.102	0.109	0.00301	23.3	0.0394	57	0.00124	0.000961	0.00000529	0.00834	0.00294	0.0864	0.026	0.00000634	30	0.0000311	0.000523
2089 May	163	0.102	0.108	0.00299	23.3	0.0393	56.9	0.00124	0.000962	0.0000053	0.00835	0.00294	0.0863	0.026	0.00000634	30	0.0000311	0.000522
2089 Jun	162	0.101	0.106	0.00295	23.2	0.0391	56.6	0.00124	0.000964	0.0000053	0.00836	0.00293	0.0858	0.0262	0.00000633	30.1	0.0000311	0.000521
2089 Jul	163	0.101	0.107	0.00296	23.2	0.0392	56.7	0.00124	0.000966	0.00000531	0.00837	0.00294	0.0859	0.0262	0.00000635	30.2	0.0000312	0.000522
2089 Aug	163	0.101	0.107	0.00296	23.2	0.0393	56.9	0.00124	0.000968	0.00000532	0.00839	0.00294	0.0861	0.0263	0.00000636	30.2	0.0000312	0.000523
2089 Sep	163	0.101	0.107	0.00296	23.2	0.0393	56.9	0.00124	0.000968	0.00000532	0.0084	0.00294	0.0862	0.0263	0.00000636	30.3	0.0000313	0.000523
2089 Oct	164	0.101	0.106	0.00294	23.1	0.0392	57.2	0.00124	0.000968	0.00000532	0.0084	0.00294	0.0864	0.0263	0.00000635	30.3	0.0000313	0.000522
2089 Nov	164	0.101	0.105	0.00294	23.1	0.0392	57.3	0.00124	0.000968	0.00000532	0.00841	0.00294	0.0865	0.0263	0.00000635	30.3	0.0000313	0.000522
2089 Dec	164	0.101	0.105	0.00294	23.1	0.0392	57.3	0.00124	0.000968	0.00000532	0.00841	0.00294	0.0865	0.0263	0.00000635	30.3	0.0000313	0.000522
2090 Jan	164	0.101	0.105	0.00294	23.1	0.0392	57.3	0.00124	0.000968	0.00000532	0.00841	0.00294	0.0865	0.0263	0.00000635	30.3	0.0000313	0.000522
2090 Feb	164	0.101	0.105	0.00294	23.1	0.0392	57.3	0.00124	0.000968	0.00000532	0.00841	0.00294	0.0865	0.0263	0.00000635	30.3	0.0000313	0.000522
2090 Mar	164	0.101	0.105	0.00294	23.1	0.0392	57.3	0.00124	0.000968	0.00000532	0.00841	0.00294	0.0865	0.0263	0.00000636	30.3	0.0000313	0.000522
2090 Apr	164	0.101	0.105	0.00294	23.1	0.0392	57.3	0.00124	0.000968	0.00000532	0.00841	0.00294	0.0865	0.0263	0.00000636	30.3	0.0000313	0.000522
2090 May	164	0.101	0.105	0.00294	23.1	0.0393	57.4	0.00124	0.000969	0.00000532	0.00842	0.00294	0.0867	0.0263	0.00000636	30.4	0.0000313	0.000522
2090 Jun	167	0.101	0.104	0.00291	23.1	0.0391	58.9	0.00125	0.000966	0.00000531	0.00845	0.00298	0.0886	0.0265	0.00000637	30.8	0.0000317	0.000528
2090 Jul	167	0.101	0.105	0.00292	23.1	0.0392	59.1	0.00125	0.000967	0.00000532	0.00847	0.00299	0.0889	0.0266	0.00000639	30.9	0.0000318	0.00053
2090 Aug	168	0.1	0.104	0.00291	23.1	0.0392	59.2	0.00125	0.000967	0.00000532	0.00847	0.003	0.0892	0.0266	0.00000639	30.9	0.0000318	0.000531
2090 Sep	168	0.1	0.104	0.00291	23.1	0.0393	59.6	0.00125	0.000966	0.00000532	0.00847	0.00302	0.0898	0.0265	0.0000064	30.9	0.0000318	0.000532
2090 Oct	168	0.101	0.104	0.00291	23	0.0396	60	0.00126	0.000963	0.00000532	0.00848	0.00304	0.0905	0.0264	0.00000641	30.9	0.0000318	0.000535
2090 Nov	168	0.101	0.104	0.00291	23	0.0396	60.1	0.00126	0.000962	0.00000531	0.00848	0.00305	0.0908	0.0264	0.00000641	30.9	0.0000319	0.000537
2090 Dec	168	0.101	0.104	0.00291	23	0.0396	60.1	0.00126	0.000962	0.00000531	0.00848	0.00305	0.0908	0.0264	0.00000641	30.9	0.0000319	0.000537
2091 Jan	168	0.101	0.104	0.00291	23	0.0396	60.1	0.00126	0.000962	0.00000531	0.00848	0.00305	0.0908	0.0264	0.00000641	30.9	0.0000319	0.000537
2091 Feb	168	0.101	0.104	0.00291	23	0.0396	60.1	0.00126	0.000962	0.00000531	0.00848	0.00305	0.0908	0.0264	0.00000641	30.9	0.0000319	0.000537
2091 Mar	168	0.101	0.104	0.00292	23	0.0396	60.1	0.00126	0.000962	0.00000531	0.00849	0.00305	0.0908	0.0264	0.00000641	30.9	0.0000319	0.000537
2091 Apr	169	0.101	0.104	0.00292	23	0.0396	60.2	0.00126	0.000962	0.00000532	0.00849	0.00305	0.0908	0.0264	0.00000641	30.9	0.0000319	0.000537
2091 May	169	0.101	0.104	0.00292	23.1	0.0397	60.2	0.00126	0.000963	0.00000532	0.0085	0.00306	0.091	0.0264	0.00000642	30.9	0.0000319	0.000538
2091 Jun	169	0.101	0.104	0.00291	23.2	0.0397	60.3	0.00127	0.000961	0.00000532	0.0085	0.00309	0.0912	0.0267	0.00000643	31.1	0.0000319	0.000545
2091 Jul	169	0.101	0.105	0.00292	23.2	0.0398	60.4	0.00127	0.000963	0.00000533	0.00852	0.0031	0.0915	0.0268	0.00000645	31.2	0.000032	0.000547
2091 Aug	169	0.101	0.105	0.00292	23.2	0.0398	60.5	0.00127	0.000964	0.00000534	0.00852	0.00311	0.0916	0.0268	0.00000645	31.2	0.0000321	0.000548
2091 Sep	170	0.101	0.104	0.00291	23.2	0.0398	60.6	0.00127	0.000964	0.00000534	0.00853	0.00311	0.0918	0.0268	0.00000645	31.2	0.0000321	0.000548
2091 Oct	170	0.101	0.104	0.0029	23.1	0.0398	60.9	0.00127	0.000963	0.00000533	0.00853	0.00311	0.0922	0.0268	0.00000645	31.3	0.0000321	0.000548
2091 Nov	170	0.101	0.104	0.0029	23.1	0.0399	61.2	0.00127	0.000962	0.00000533	0.00853	0.00312	0.0925	0.0267	0.00000645	31.3	0.0000321	0.000548

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2091 Dec	170	0.101	0.104	0.0029	23.1	0.0399	61.2	0.00127	0.000962	0.00000533	0.00853	0.00312	0.0925	0.0267	0.00000645	31.3	0.0000321	0.000548

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2092 Jan	170	0.101	0.104	0.0029	23.1	0.0399	61.2	0.00127	0.000962	0.00000533	0.00853	0.00312	0.0926	0.0267	0.00000645	31.3	0.0000321	0.000548
2092 Feb	170	0.101	0.104	0.0029	23.1	0.0399	61.2	0.00127	0.000962	0.00000533	0.00853	0.00312	0.0926	0.0267	0.00000645	31.3	0.0000321	0.000548
2092 Mar	170	0.101	0.104	0.0029	23.1	0.0399	61.2	0.00127	0.000962	0.00000533	0.00854	0.00312	0.0926	0.0267	0.00000645	31.3	0.0000321	0.000548
2092 Apr	171	0.101	0.104	0.0029	23.1	0.0399	61.2	0.00127	0.000962	0.00000533	0.00854	0.00312	0.0926	0.0267	0.00000646	31.3	0.0000321	0.000549
2092 May	171	0.101	0.104	0.0029	23.1	0.0399	61.5	0.00127	0.000963	0.00000533	0.00855	0.00313	0.0929	0.0268	0.00000646	31.4	0.0000322	0.00055
2092 Jun	172	0.101	0.104	0.00289	23.2	0.0397	62	0.00128	0.000954	0.0000053	0.00852	0.00319	0.0941	0.0271	0.00000646	31.6	0.0000323	0.000562
2092 Jul	172	0.101	0.104	0.0029	23.2	0.0397	62.2	0.00128	0.000952	0.0000053	0.00852	0.00321	0.0944	0.0271	0.00000647	31.6	0.0000324	0.000566
2092 Aug	172	0.101	0.104	0.0029	23.2	0.0398	62.3	0.00129	0.000954	0.00000531	0.00854	0.00322	0.0946	0.0272	0.00000649	31.7	0.0000324	0.000567
2092 Sep	173	0.101	0.104	0.0029	23.2	0.0398	62.4	0.00129	0.000955	0.00000531	0.00854	0.00322	0.0948	0.0272	0.00000649	31.7	0.0000325	0.000567
2092 Oct	173	0.101	0.104	0.0029	23.2	0.0398	62.6	0.00129	0.000954	0.00000531	0.00855	0.00322	0.095	0.0272	0.00000649	31.8	0.0000325	0.000567
2092 Nov	173	0.101	0.104	0.0029	23.2	0.0398	62.7	0.00129	0.000954	0.00000531	0.00855	0.00322	0.0951	0.0272	0.00000649	31.8	0.0000325	0.000567
2092 Dec	173	0.101	0.104	0.0029	23.2	0.0398	62.7	0.00129	0.000954	0.00000531	0.00855	0.00322	0.0951	0.0272	0.00000649	31.8	0.0000325	0.000567
2093 Jan	173	0.101	0.104	0.0029	23.2	0.0398	62.7	0.00129	0.000954	0.00000531	0.00855	0.00322	0.0951	0.0272	0.00000649	31.8	0.0000325	0.000567
2093 Feb	173	0.101	0.104	0.0029	23.2	0.0398	62.7	0.00129	0.000954	0.00000531	0.00855	0.00322	0.0951	0.0272	0.00000649	31.8	0.0000325	0.000567
2093 Mar	173	0.101	0.104	0.0029	23.2	0.0398	62.7	0.00129	0.000954	0.00000531	0.00855	0.00322	0.0951	0.0272	0.00000649	31.8	0.0000325	0.000567
2093 Apr	173	0.101	0.104	0.0029	23.2	0.0398	62.7	0.00129	0.000955	0.00000531	0.00855	0.00322	0.0952	0.0272	0.00000649	31.8	0.0000325	0.000567
2093 May	174	0.101	0.104	0.0029	23.2	0.0398	62.9	0.00129	0.000955	0.00000532	0.00856	0.00322	0.0954	0.0272	0.0000065	31.9	0.0000326	0.000568
2093 Jun	175	0.1	0.103	0.00287	23.1	0.0395	63.6	0.00129	0.000952	0.0000053	0.00856	0.00324	0.0963	0.0274	0.00000649	32.1	0.0000328	0.000571
2093 Jul	175	0.1	0.103	0.00287	23.2	0.0396	63.8	0.00129	0.000953	0.00000531	0.00858	0.00325	0.0965	0.0274	0.0000065	32.2	0.0000328	0.000572
2093 Aug	175	0.101	0.103	0.00288	23.2	0.0397	63.9	0.00129	0.000955	0.00000532	0.00859	0.00326	0.0967	0.0275	0.00000651	32.2	0.0000329	0.000573
2093 Sep	176	0.101	0.103	0.00288	23.2	0.0397	64	0.00129	0.000955	0.00000532	0.0086	0.00326	0.0968	0.0275	0.00000652	32.2	0.0000329	0.000574
2093 Oct	176	0.1	0.102	0.00286	23.1	0.0396	64.3	0.00129	0.000953	0.00000531	0.00859	0.00326	0.0972	0.0274	0.00000651	32.2	0.0000329	0.000572
2093 Nov	176	0.1	0.102	0.00285	23	0.0397	64.4	0.00129	0.000952	0.0000053	0.0086	0.00326	0.0974	0.0273	0.0000065	32.2	0.0000329	0.000572
2093 Dec	176	0.1	0.102	0.00285	23	0.0397	64.4	0.00129	0.000952	0.0000053	0.0086	0.00326	0.0974	0.0273	0.0000065	32.2	0.0000329	0.000572
2094 Jan	176	0.1	0.102	0.00285	23	0.0397	64.4	0.00129	0.000952	0.0000053	0.0086	0.00326	0.0974	0.0273	0.0000065	32.2	0.0000329	0.000572
2094 Feb	176	0.1	0.102	0.00285	23	0.0397	64.4	0.00129	0.000952	0.0000053	0.0086	0.00326	0.0974	0.0273	0.0000065	32.2	0.0000329	0.000572
2094 Mar	176	0.1	0.102	0.00285	23	0.0397	64.4	0.00129	0.000952	0.0000053	0.0086	0.00326	0.0974	0.0273	0.0000065	32.2	0.0000329	0.000572
2094 Apr	176	0.1	0.102	0.00285	23.1	0.0397	64.5	0.00129	0.000952	0.00000531	0.0086	0.00326	0.0974	0.0273	0.00000651	32.2	0.0000329	0.000572
2094 May	177	0.1	0.102	0.00285	23.1	0.0397	64.7	0.00129	0.000951	0.0000053	0.00861	0.00327	0.0978	0.0274	0.00000651	32.3	0.000033	0.000574
2094 Jun	178	0.1	0.102	0.00284	23.1	0.0396	65.1	0.00129	0.000949	0.0000053	0.00861	0.00329	0.0984	0.0276	0.00000651	32.5	0.0000331	0.000578
2094 Jul	178	0.101	0.102	0.00285	23.1	0.0397	65.3	0.0013	0.000952	0.00000531	0.00864	0.0033	0.0987	0.0276	0.00000653	32.6	0.0000332	0.00058
2094 Aug	179	0.101	0.102	0.00286	23.2	0.0398	65.5	0.0013	0.000955	0.00000533	0.00866	0.00331	0.0989	0.0277	0.00000655	32.7	0.0000333	0.000581
2094 Sep	179	0.101	0.102	0.00286	23.2	0.0399	65.5	0.0013	0.000955	0.00000533	0.00867	0.00331	0.099	0.0277	0.00000655	32.7	0.0000333	0.000582
2094 Oct	179	0.101	0.102	0.00285	23.2	0.0398	65.8	0.0013	0.000955	0.00000533	0.00867	0.00331	0.0993	0.0277	0.00000655	32.8	0.0000333	0.000581
2094 Nov	180	0.101	0.101	0.00283	23.1	0.0398	66.1	0.0013	0.000954	0.00000532	0.00868	0.00331	0.0996	0.0277	0.00000654	32.8	0.0000334	0.000579
2094 Dec	180	0.101	0.101	0.00283	23.1	0.0398	66.1	0.0013	0.000954	0.00000532	0.00868	0.00331	0.0997	0.0277	0.00000654	32.8	0.0000334	0.000579
2095 Jan	180	0.101	0.101	0.00283	23.1	0.0398	66.2	0.0013	0.000954	0.00000532	0.00868	0.00331	0.0997	0.0277	0.00000654	32.8	0.0000334	0.000579
2095 Feb	180	0.101	0.101	0.00283	23.1	0.0398	66.2	0.0013	0.000954	0.00000532	0.00868	0.00331	0.0997	0.0277	0.00000654	32.8	0.0000334	0.000579
2095 Mar	180	0.101	0.101	0.00283	23.1	0.0398	66.2	0.0013	0.000954	0.00000532	0.00868	0.00331	0.0997	0.0277	0.00000654	32.8	0.0000334	0.000579
2095 Apr	180	0.101	0.101	0.00283	23.1	0.0398	66.2	0.0013	0.000954	0.00000532	0.00868	0.00331	0.0997	0.0277	0.00000654	32.8	0.0000334	0.000579
2095 May	180	0.101	0.101	0.00282	23.1	0.0398	66.3	0.0013	0.000954	0.00000532	0.00869	0.00331	0.0998	0.0277	0.00000654	32.9	0.0000334	0.000579
2095 Jun	181	0.101	0.0998	0.00281	23.1	0.0397	66.4	0.0013	0.000955	0.00000532	0.0087	0.00331	0.0999	0.0279	0.00000654	33	0.0000335	0.00058
2095 Jul	181	0.101	0.1	0.00282	23.1	0.0399	66.6	0.0013	0.000958	0.00000534	0.00873	0.00332	0.1	0.0279	0.00000656	33.1	0.0000336	0.000582
2095 Aug	181	0.101	0.1	0.00281	23.1	0.0399	66.6	0.0013	0.000958	0.00000534	0.00873	0.00332	0.1	0.028	0.00000657	33.1	0.0000336	0.000582
2095 Sep	181	0.101	0.0999	0.00281	23.1	0.0399	66.7	0.0013	0.000959	0.00000534	0.00874	0.00332	0.1	0.028	0.00000657	33.2	0.0000336	0.000582
2095 Oct	182	0.101	0.0998	0.00281	23.1	0.0399	66.8	0.0013	0.000959	0.00000535	0.00874	0.00332	0.1	0.028	0.00000657	33.2	0.0000336	0.000582
2095 Nov	182	0.101	0.0995	0.0028	23.1	0.0399	66.9	0.0013	0.000959	0.00000534	0.00874	0.00332	0.101	0.028	0.00000657	33.2	0.0000336	0.000581
2095 Dec	182	0.101	0.0995	0.0028	23.1	0.0399	67	0.0013	0.000959	0.00000534	0.00874	0.00332	0.101	0.028	0.00000657	33.2	0.0000336	0.000581
2096 Jan	182	0.101	0.0995	0.0028	23.1	0.0399	67	0.0013	0.000959	0.00000534	0.00874	0.00332	0.101	0.028	0.00000657	33.2	0.0000336	0.000581
2096 Feb	182	0.101	0.0995	0.0028	23.1	0.0399	67	0.0013	0.000959	0.00000534	0.00874	0.00332	0.101	0.028	0.00000657	33.2	0.0000336	0.000581
2096 Mar	182	0.101	0.0995	0.0028	23.1	0.0399	67	0.0013	0.000959	0.00000534	0.00874	0.00332	0.101	0.028	0.00000657	33.2	0.0000336	0.000581
2096 Apr	182	0.101	0.0995	0.0028	23.1	0.0399	67	0.0013	0.000959	0.00000534	0.00875	0.00332	0.101	0.028	0.00000657	33.2	0.0000337	0.000581
2096 May	183	0.101	0.0992	0.0028	23.1	0.0399	67.3	0.0013	0.00096	0.00000535	0.00876	0.00332	0.101	0.028	0.00000657	33.3	0.0000337	0.000581
2096 Jun	184	0.0995	0.0976	0.00276	22.9	0.0396	68.2	0.0013	0.000955	0.00000533	0.00876	0.00335	0.102	0.0281	0.00000657	33.6	0.0000339	0.000585
2096 Jul	184	0.0996	0.098	0.00277	23	0.0396	68.3	0.00131	0.000956	0.00000534	0.00877	0.00337	0.102	0.0282	0.00000658	33.6	0.000034	0.000589
2096 Aug	185	0.0998	0.0982	0.00277	23	0.0397	68.5	0.00131	0.000958	0.00000535	0.00879	0.00338	0.103	0.0282	0.0000066	33.7	0.0000341	0.00059
2096 Sep	185	0.0998	0.0981	0.00277	23	0.0397	68.6	0.00131	0.000958	0.00000535	0.0088	0.00338	0.103	0.0282	0.0000066	33.7	0.0000341	0.00059
2096 Oct	185	0.0996	0.0976	0.00276	22.9	0.0397	68.8	0.00131	0.000957	0.00000534	0.0088	0.00338	0.103	0.0281	0.0000066	33.7	0.0000341	0.000589
2096 Nov	185	0.0996	0.0974	0.00276	22.9	0.0398	68.8	0.00131	0.000957	0.00000534	0.00881	0.00338	0.103	0.0281	0.0000066	33.6	0.0000341	0.000589
2096 Dec	185	0.0996	0.0974	0.00276	22.9	0.0398	68.9	0.00131	0.000957	0.00000534	0.00881	0.00338	0.103	0.0281	0.0000066	33.6	0.0000341	0.000589
2097 Jan	185	0.0996	0.0974	0.00276	22.9	0.0398	68.9	0.00131	0.000957	0.00000534	0.00881	0.00338	0.103	0.0281	0.0000066	33.7	0.0000341	0.000589
2097 Feb	185	0.0996	0.0974	0.00276	22.9	0.0398	68.9	0.00131	0.000957	0.00000534	0.00881	0.00338	0.103	0.0281	0.0000066	33.7	0.0000341	0.000589
2097 Mar	185	0.0996	0.0974	0.00276	22.9	0.0398	68.9	0.00131	0.000957	0.00000534	0.00881	0.00338	0.103	0.0281	0.0000066	33.7	0.0000341	0.000589
2097 Apr	185	0.0996	0.0975	0.00276	22.9	0.0398	68.9	0.00131	0.000957	0.00000534	0.00881	0.00338	0.103	0.0281	0.0000066	33.7	0.0000342	0.000589
2097 May	185	0.0997	0.0974	0.00276	22.9	0.0398	68.9	0.00131	0.000958	0.00000535	0.00882	0.00338	0.103	0.0281	0.0000066	33.7	0.0000342	0.000589
2097 Jun	185	0.0996	0.0966	0.00274	22.9	0.0397	68.7	0.00131	0.000958	0.00000535	0.00882	0.00339	0.103	0.0283	0.0000066	33.7	0.0000342	0.000591
2097 Jul	185	0.0998	0.0968	0.00275	23	0.0399	68.9	0.00132	0.00096	0.00000536	0.00885	0.0034	0.103	0.0283	0.00000662	33.8	0.0000343	0.000593
2097 Aug	186	0.1	0.097	0.00275	23	0.0399	69	0.00132	0.000962	0.00000537	0.00886	0.0034	0.104	0.0284	0.00000663	33.9	0.0000343	0.000594
2097 Sep	186	0.1	0.0971	0.00275	23	0.04	69	0.00132	0.000963	0.00000538	0.00887	0.00341	0.104	0.0284	0.00000664	33.9	0.0000343	0.000594
2097 Oct	186	0.1	0.0969	0.00275	23	0.04	69.1	0.00132	0.000963	0.00000538	0.00887	0.00341	0.104	0.0284	0.00000664	33.9	0.0000343	0.000594
2097 Nov	186	0.1	0.0968	0.00275	23	0.04	69.1	0.00132	0.000963	0.00000538	0.00887	0.0034	0.104	0.0284	0.00000664	33.9	0.0000343	0.000594

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2097 Dec	186	0.1	0.0968	0.00275	23	0.04	69.1	0.00132	0.000963	0.00000538	0.00887	0.0034	0.104	0.0284	0.00000664	33.9	0.0000343	0.000594
2098 Jan	186	0.1	0.0968	0.00275	23	0.04	69.1	0.00132	0.000963	0.00000538	0.00887	0.0034	0.104	0.0284	0.00000664	33.9	0.0000343	0.000594
2098 Feb	186	0.1	0.0968	0.00275	23	0.04	69.1	0.00132	0.000963	0.00000538	0.00887	0.0034	0.104	0.0284	0.00000664	33.9	0.0000343	0.000594
2098 Mar	186	0.1	0.0968	0.00275	23	0.04	69.1	0.00132	0.000963	0.00000538	0.00887	0.0034	0.104	0.0284	0.00000664	33.9	0.0000343	0.000594
2098 Apr	186	0.1	0.0968	0.00275	23	0.04	69.2	0.00132	0.000963	0.00000538	0.00887	0.00341	0.104	0.0284	0.00000664	33.9	0.0000344	0.000594
2098 May	186	0.0998	0.0962	0.00274	23	0.0399	69	0.00132	0.000964	0.00000538	0.00888	0.0034	0.104	0.0285	0.00000664	34	0.0000343	0.000594
2098 Jun	185	0.0994	0.0951	0.00271	23	0.0396	68.2	0.00132	0.000962	0.00000537	0.00884	0.00342	0.103	0.0289	0.00000663	34.1	0.0000342	0.0006
2098 Jul	185	0.0996	0.0954	0.00272	23.1	0.0397	68.4	0.00133	0.000964	0.00000539	0.00886	0.00343	0.103	0.029	0.00000665	34.2	0.0000343	0.000603
2098 Aug	185	0.0997	0.0955	0.00272	23.1	0.0398	68.5	0.00133	0.000965	0.00000539	0.00887	0.00344	0.103	0.029	0.00000665	34.2	0.0000343	0.000603
2098 Sep	185	0.0994	0.095	0.00271	23	0.0398	68.6	0.00133	0.000964	0.00000539	0.00887	0.00344	0.103	0.029	0.00000665	34.2	0.0000343	0.000603
2098 Oct	185	0.0994	0.0947	0.0027	23	0.0399	68.8	0.00133	0.000962	0.00000538	0.00887	0.00345	0.104	0.0288	0.00000665	34.2	0.0000343	0.000603
2098 Nov	186	0.0995	0.0946	0.0027	22.9	0.0399	69	0.00133	0.000961	0.00000538	0.00887	0.00345	0.104	0.0288	0.00000665	34.2	0.0000343	0.000604
2098 Dec	186	0.0995	0.0946	0.0027	22.9	0.0399	69	0.00133	0.000961	0.00000538	0.00887	0.00345	0.104	0.0288	0.00000665	34.2	0.0000343	0.000604
2099 Jan	186	0.0995	0.0946	0.0027	22.9	0.0399	69	0.00133	0.000961	0.00000538	0.00887	0.00345	0.104	0.0288	0.00000665	34.2	0.0000343	0.000604
2099 Feb	186	0.0995	0.0946	0.0027	22.9	0.0399	69	0.00133	0.000961	0.00000538	0.00887	0.00345	0.104	0.0288	0.00000665	34.2	0.0000343	0.000604
2099 Mar	186	0.0995	0.0947	0.0027	22.9	0.0399	69	0.00133	0.000961	0.00000538	0.00887	0.00345	0.104	0.0288	0.00000665	34.2	0.0000343	0.000604
2099 Apr	186	0.0995	0.0947	0.0027	23	0.0399	69	0.00133	0.000962	0.00000538	0.00888	0.00346	0.104	0.0288	0.00000665	34.2	0.0000343	0.000604
2099 May	186	0.1	0.0946	0.00269	23.1	0.0399	69	0.00133	0.00096	0.00000538	0.00887	0.00349	0.104	0.0292	0.00000666	34.4	0.0000343	0.000611
2099 Jun	186	0.1	0.0948	0.00269	23.2	0.0398	68.8	0.00134	0.000957	0.00000537	0.00885	0.00351	0.104	0.0294	0.00000666	34.5	0.0000343	0.000618
2099 Jul	186	0.1	0.0951	0.0027	23.3	0.04	69	0.00134	0.000959	0.00000538	0.00887	0.00353	0.104	0.0295	0.00000668	34.6	0.0000344	0.00062
2099 Aug	186	0.101	0.0953	0.00271	23.3	0.04	69.2	0.00134	0.000962	0.0000054	0.00889	0.00353	0.105	0.0296	0.0000067	34.7	0.0000345	0.000621
2099 Sep	187	0.101	0.0951	0.0027	23.3	0.04	69.2	0.00134	0.000961	0.00000539	0.00889	0.00353	0.105	0.0296	0.00000669	34.7	0.0000345	0.000621
2099 Oct	187	0.1	0.0947	0.00269	23.2	0.04	69.3	0.00134	0.000961	0.00000539	0.00889	0.00353	0.105	0.0295	0.00000669	34.7	0.0000344	0.00062
2099 Nov	187	0.1	0.0944	0.00269	23.2	0.04	69.4	0.00134	0.00096	0.00000539	0.00889	0.00353	0.105	0.0295	0.00000669	34.7	0.0000344	0.000619
2099 Dec	187	0.1	0.0944	0.00269	23.2	0.04	69.4	0.00134	0.00096	0.00000539	0.00889	0.00353	0.105	0.0295	0.00000669	34.7	0.0000344	0.000619
2100 Jan	187	0.1	0.0944	0.00269	23.2	0.04	69.4	0.00134	0.00096	0.00000539	0.00889	0.00353	0.105	0.0295	0.00000669	34.7	0.0000344	0.000619
2100 Feb	187	0.1	0.0944	0.00269	23.2	0.04	69.4	0.00134	0.00096	0.00000539	0.00889	0.00353	0.105	0.0295	0.00000669	34.7	0.0000344	0.000619
2100 Mar	187	0.1	0.0944	0.00269	23.2	0.04	69.4	0.00134	0.00096	0.00000539	0.00889	0.00353	0.105	0.0295	0.00000669	34.7	0.0000344	0.000619
2100 Apr	187	0.1	0.0945	0.00269	23.2	0.0401	69.4	0.00134	0.00096	0.00000539	0.00889	0.00353	0.105	0.0295	0.00000669	34.7	0.0000345	0.00062
2100 May	187	0.1	0.0941	0.00268	23.2	0.04	69.5	0.00134	0.000961	0.00000539	0.0089	0.00354	0.105	0.0296	0.00000669	34.8	0.0000345	0.000621
2100 Jun	186	0.0999	0.0937	0.00267	23.2	0.0398	69.2	0.00134	0.000955	0.00000537	0.00886	0.00357	0.105	0.0298	0.00000668	34.8	0.0000344	0.000628
2100 Jul	186	0.0999	0.094	0.00267	23.3	0.0398	69.3	0.00135	0.000955	0.00000537	0.00886	0.00358	0.105	0.0299	0.00000669	34.8	0.0000345	0.000631
2100 Aug	186	0.0998	0.0939	0.00267	23.2	0.0398	69.3	0.00135	0.000955	0.00000537	0.00886	0.00358	0.105	0.0298	0.00000669	34.8	0.0000345	0.000631
2100 Sep	186	0.0996	0.0938	0.00267	23.2	0.0399	69.4	0.00135	0.000954	0.00000537	0.00886	0.00359	0.105	0.0298	0.00000669	34.8	0.0000345	0.000632
2100 Oct	186	0.0996	0.0938	0.00267	23.2	0.0399	69.5	0.00135	0.000954	0.00000537	0.00886	0.00359	0.105	0.0298	0.0000067	34.8	0.0000345	0.000632
2100 Nov	187	0.0996	0.0938	0.00267	23.2	0.0399	69.5	0.00135	0.000954	0.00000537	0.00886	0.00359	0.105	0.0298	0.0000067	34.8	0.0000345	0.000632
2100 Dec	187	0.0996	0.0938	0.00267	23.2	0.0399	69.5	0.00135	0.000954	0.00000537	0.00886	0.00359	0.105	0.0298	0.0000067	34.8	0.0000345	0.000632
2101 Jan	187	0.0996	0.0938	0.00267	23.2	0.0399	69.5	0.00135	0.000954	0.00000537	0.00886	0.00359	0.105	0.0298	0.0000067	34.8	0.0000345	0.000632
2101 Feb	187	0.0996	0.0938	0.00267	23.2	0.0399	69.6	0.00135	0.000954	0.00000537	0.00886	0.00359	0.105	0.0298	0.0000067	34.8	0.0000345	0.000632
2101 Mar	187	0.0996	0.0938	0.00267	23.2	0.0399	69.6	0.00135	0.000954	0.00000537	0.00886	0.00359	0.105	0.0298	0.0000067	34.8	0.0000345	0.000632
2101 Apr	187	0.0996	0.0938	0.00267	23.2	0.0399	69.6	0.00135	0.000954	0.00000537	0.00886	0.00359	0.105	0.0298	0.0000067	34.8	0.0000345	0.000632
2101 May	187	0.0995	0.0937	0.00266	23.2	0.0399	69.6	0.00135	0.000954	0.00000537	0.00886	0.0036	0.106	0.0299	0.0000067	34.9	0.0000345	0.000634
2101 Jun	186	0.0991	0.0934	0.00265	23.2	0.0397	69.4	0.00135	0.000951	0.00000535	0.00883	0.00362	0.105	0.03	0.0000067	34.9	0.0000344	0.000638
2101 Jul	186	0.0993	0.0937	0.00266	23.3	0.0398	69.6	0.00136	0.000953	0.00000537	0.00885	0.00363	0.106	0.0301	0.00000671	35	0.0000345	0.00064
2101 Aug	187	0.0996	0.0939	0.00267	23.3	0.0399	69.7	0.00136	0.000955	0.00000538	0.00887	0.00364	0.106	0.0302	0.00000673	35.1	0.0000346	0.000642
2101 Sep	187	0.0995	0.0938	0.00267	23.3	0.04	69.7	0.00136	0.000955	0.00000538	0.00887	0.00364	0.106	0.0302	0.00000673	35.1	0.0000346	0.000642
2101 Oct	187	0.0995	0.0937	0.00266	23.3	0.04	69.8	0.00136	0.000955	0.00000538	0.00888	0.00364	0.106	0.0301	0.00000673	35.1	0.0000346	0.000642
2101 Nov	187	0.0993	0.0934	0.00266	23.3	0.0399	69.9	0.00136	0.000955	0.00000538	0.00888	0.00364	0.106	0.0301	0.00000673	35.1	0.0000346	0.000641
2101 Dec	187	0.0993	0.0934	0.00266	23.3	0.0399	69.9	0.00136	0.000955	0.00000538	0.00888	0.00364	0.106	0.0301	0.00000673	35.1	0.0000346	0.000641
2102 Jan	187	0.0993	0.0934	0.00266	23.3	0.0399	69.9	0.00136	0.000955	0.00000538	0.00888	0.00364	0.106	0.0301	0.00000673	35.1	0.0000346	0.000641
2102 Feb	187	0.0993	0.0934	0.00266	23.3	0.0399	69.9	0.00136	0.000955	0.00000538	0.00888	0.00364	0.106	0.0301	0.00000673	35.1	0.0000346	0.000641
2102 Mar	187	0.0993	0.0934	0.00266	23.3	0.0399	69.9	0.00136	0.000955	0.00000538	0.00888	0.00364	0.106	0.0301	0.00000673	35.1	0.0000346	0.000641
2102 Apr	187	0.0994	0.0934	0.00266	23.3	0.0399	70	0.00136	0.000955	0.00000538	0.00888	0.00364	0.106	0.0301	0.00000673	35.1	0.0000346	0.000641
2102 May	187	0.0994	0.0935	0.00266	23.3	0.04	70	0.00136	0.000955	0.00000538	0.00888	0.00364	0.106	0.0301	0.00000673	35.1	0.0000346	0.000641
2102 Jun	186	0.0977	0.0919	0.00263	22.9	0.0397	69.7	0.00136	0.000953	0.00000536	0.00888	0.00362	0.106	0.0297	0.00000671	34.7	0.0000346	0.000637
2102 Jul	185	0.0969	0.0916	0.00262	22.8	0.0396	69.6	0.00136	0.000951	0.00000536	0.00888	0.00362	0.106	0.0295	0.00000671	34.5	0.0000346	0.000638
2102 Aug	185	0.097	0.0917	0.00263	22.8	0.0397	69.7	0.00136	0.000953	0.00000537	0.00889	0.00363	0.106	0.0295	0.00000673	34.6	0.0000347	0.000639
2102 Sep	185	0.097	0.0917	0.00263	22.8	0.0397	69.7	0.00136	0.000953	0.00000537	0.00889	0.00363	0.106	0.0295	0.00000673	34.6	0.0000347	0.000639
2102 Oct	185	0.0966	0.0912	0.00262	22.7	0.0397	69.6	0.00136	0.000952	0.00000536	0.00888	0.00362	0.106	0.0294	0.00000672	34.4	0.0000346	0.000638
2102 Nov	185	0.0966	0.0912	0.00262	22.7	0.0397	69.6	0.00136	0.000952	0.00000536	0.00888	0.00362	0.106	0.0294	0.00000672	34.4	0.0000346	0.000638
2102 Dec	185	0.0966	0.0912	0.00262	22.7	0.0397	69.6	0.00136	0.000952	0.00000536	0.00888	0.00362	0.106	0.0294	0.00000672	34.4	0.0000346	0.000638
2103 Jan	185	0.0966	0.0912	0.00262	22.7	0.0397	69.6	0.00136	0.000952	0.00000536	0.00888	0.00362	0.106	0.0294	0.00000672	34.4	0.0000346	0.000638
2103 Feb	185	0.0967	0.0912	0.00262	22.7	0.0397	69.6	0.00136	0.000952	0.00000536	0.00888	0.00362	0.106	0.0294	0.00000672	34.4	0.0000346	0.000638
2103 Mar	185	0.0967	0.0912	0.00262	22.7	0.0397	69.6	0.00136	0.000952	0.00000536	0.00888	0.00362	0.106	0.0294	0.00000672	34.4	0.0000346	0.000638
2103 Apr	185	0.0967	0.0913	0.00262	22.7	0.0397	69.6	0.00136	0.000952	0.00000536	0.00889	0.00362	0.106	0.0294	0.00000672	34.4	0.0000346	0.000638
2103 May	185	0.0965	0.0909	0.00261	22.7	0.0397	69.8	0.00136	0.000952	0.00000536	0.00889	0.00363	0.106	0.0294	0.00000672	34.5	0.0000347	0.000638
2103 Jun	185	0.0958	0.0903	0.00259	22.6	0.0394	69.6	0.00136	0.000946	0.00000534	0.00885	0.00365	0.106	0.0295	0.00000671	34.5	0.0000346	0.000643
2103 Jul	185	0.0958	0.0905	0.0026	22.7	0.0394	69.7	0.00137	0.000946	0.00000534	0.00886	0.00366	0.106	0.0295	0.00000672	34.5	0.0000347	0.000646
2103 Aug	185	0.0955	0.0905	0.0026	22.6	0.0395	69.8	0.00137	0.000947	0.00000534	0.00886	0.00367	0.106	0.0295	0.00000672	34.5	0.0000347	0.000646
2103 Sep	185	0.0953	0.0902	0.00259	22.6	0.0395	69.8	0.00137	0.000946	0.00000534	0.00885	0.00367	0.107	0.0294	0.00000672	34.4	0.0000346	0.000646
2103 Oct	184	0.095	0.0899	0.00259	22.5	0.0396	69.9	0.00137	0.000943	0.00000533	0.00884	0.00367	0.107	0.0293	0.00000672	34.3	0.0000346	0.000645

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2103 Nov	184	0.095	0.0899	0.00259	22.5	0.0396	69.9	0.00137	0.000942	0.00000532	0.00884	0.00367	0.107	0.0292	0.00000672	34.3	0.0000345	0.000646

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2103 Dec	184	0.095	0.0899	0.00259	22.5	0.0396	69.9	0.00137	0.000942	0.00000532	0.00884	0.00368	0.107	0.0292	0.00000672	34.3	0.0000345	0.000646
2104 Jan	184	0.095	0.0899	0.00259	22.5	0.0396	69.9	0.00137	0.000942	0.00000532	0.00884	0.00368	0.107	0.0292	0.00000672	34.3	0.0000345	0.000646
2104 Feb	184	0.095	0.0899	0.00259	22.5	0.0396	69.9	0.00137	0.000942	0.00000532	0.00884	0.00368	0.107	0.0292	0.00000672	34.3	0.0000345	0.000646
2104 Mar	184	0.095	0.0899	0.00259	22.5	0.0396	69.9	0.00137	0.000942	0.00000532	0.00884	0.00368	0.107	0.0292	0.00000672	34.3	0.0000345	0.000646
2104 Apr	184	0.0951	0.0899	0.00259	22.5	0.0396	69.9	0.00137	0.000942	0.00000532	0.00884	0.00368	0.107	0.0292	0.00000672	34.3	0.0000346	0.000646
2104 May	184	0.0951	0.0897	0.00258	22.5	0.0396	69.9	0.00137	0.000942	0.00000532	0.00884	0.00368	0.107	0.0293	0.00000672	34.3	0.0000346	0.000648
2104 Jun	183	0.0948	0.0896	0.00257	22.5	0.0394	69.5	0.00137	0.000936	0.0000053	0.00879	0.00371	0.106	0.0294	0.0000067	34.3	0.0000344	0.000653
2104 Jul	183	0.0949	0.0898	0.00258	22.5	0.0395	69.6	0.00138	0.000937	0.0000053	0.00881	0.00372	0.107	0.0295	0.00000672	34.3	0.0000345	0.000655
2104 Aug	183	0.095	0.0899	0.00258	22.6	0.0395	69.7	0.00138	0.000938	0.00000531	0.00882	0.00372	0.107	0.0295	0.00000673	34.4	0.0000345	0.000656
2104 Sep	183	0.0948	0.0897	0.00257	22.5	0.0395	69.7	0.00138	0.000938	0.00000531	0.00881	0.00372	0.107	0.0295	0.00000672	34.3	0.0000345	0.000656
2104 Oct	183	0.0945	0.0893	0.00257	22.4	0.0396	69.6	0.00138	0.000936	0.0000053	0.0088	0.00372	0.107	0.0294	0.00000672	34.2	0.0000344	0.000655
2104 Nov	183	0.0945	0.0892	0.00256	22.4	0.0396	69.6	0.00138	0.000935	0.0000053	0.0088	0.00372	0.107	0.0293	0.00000671	34.2	0.0000344	0.000655
2104 Dec	183	0.0945	0.0892	0.00256	22.4	0.0396	69.6	0.00138	0.000936	0.0000053	0.0088	0.00372	0.107	0.0293	0.00000671	34.2	0.0000344	0.000655
2105 Jan	183	0.0945	0.0892	0.00256	22.4	0.0396	69.6	0.00138	0.000936	0.0000053	0.0088	0.00372	0.107	0.0293	0.00000671	34.2	0.0000344	0.000655
2105 Feb	183	0.0945	0.0892	0.00256	22.4	0.0396	69.6	0.00138	0.000936	0.0000053	0.0088	0.00372	0.107	0.0293	0.00000671	34.2	0.0000344	0.000655
2105 Mar	183	0.0945	0.0892	0.00256	22.4	0.0396	69.6	0.00138	0.000936	0.0000053	0.0088	0.00372	0.107	0.0293	0.00000671	34.2	0.0000344	0.000655
2105 Apr	183	0.0945	0.0892	0.00256	22.4	0.0396	69.7	0.00138	0.000936	0.0000053	0.0088	0.00372	0.107	0.0293	0.00000672	34.2	0.0000344	0.000655
2105 May	183	0.0945	0.089	0.00256	22.4	0.0396	69.7	0.00138	0.000935	0.0000053	0.0088	0.00372	0.107	0.0294	0.00000672	34.2	0.0000344	0.000655
2105 Jun	183	0.0944	0.0887	0.00255	22.4	0.0395	69.5	0.00138	0.000934	0.00000529	0.00878	0.00373	0.107	0.0295	0.00000671	34.3	0.0000344	0.000658
2105 Jul	183	0.0945	0.0889	0.00256	22.5	0.0396	69.6	0.00138	0.000935	0.0000053	0.0088	0.00374	0.107	0.0295	0.00000672	34.3	0.0000344	0.000659
2105 Aug	183	0.0942	0.0886	0.00255	22.4	0.0396	69.6	0.00138	0.000935	0.00000529	0.00879	0.00374	0.107	0.0295	0.00000672	34.3	0.0000344	0.000658
2105 Sep	183	0.0937	0.0882	0.00254	22.3	0.0396	69.7	0.00138	0.000932	0.00000528	0.00877	0.00374	0.107	0.0294	0.00000671	34.2	0.0000343	0.000658
2105 Oct	183	0.0937	0.0881	0.00254	22.3	0.0397	70	0.00138	0.000929	0.00000527	0.00876	0.00375	0.107	0.0293	0.00000671	34.2	0.0000343	0.000659
2105 Nov	183	0.0937	0.0881	0.00254	22.3	0.0397	70.1	0.00138	0.000928	0.00000526	0.00876	0.00376	0.108	0.0292	0.00000671	34.2	0.0000343	0.00066
2105 Dec	183	0.0937	0.0881	0.00254	22.3	0.0397	70.1	0.00138	0.000928	0.00000526	0.00876	0.00376	0.108	0.0292	0.00000671	34.2	0.0000343	0.00066
2106 Jan	183	0.0937	0.0881	0.00254	22.3	0.0397	70.1	0.00138	0.000928	0.00000526	0.00876	0.00376	0.108	0.0292	0.00000671	34.2	0.0000343	0.00066
2106 Feb	183	0.0937	0.0881	0.00254	22.3	0.0397	70.1	0.00138	0.000928	0.00000526	0.00876	0.00376	0.108	0.0292	0.00000671	34.2	0.0000343	0.00066
2106 Mar	183	0.0937	0.0881	0.00254	22.3	0.0397	70.1	0.00138	0.000928	0.00000526	0.00876	0.00376	0.108	0.0292	0.00000671	34.2	0.0000343	0.00066
2106 Apr	183	0.0938	0.0881	0.00254	22.3	0.0397	70.2	0.00138	0.000928	0.00000527	0.00876	0.00376	0.108	0.0292	0.00000671	34.2	0.0000343	0.00066
2106 May	183	0.0938	0.0881	0.00254	22.3	0.0397	70.3	0.00138	0.000929	0.00000527	0.00877	0.00376	0.108	0.0293	0.00000672	34.2	0.0000343	0.000661
2106 Jun	182	0.0934	0.0878	0.00252	22.2	0.0395	70.2	0.00138	0.000922	0.00000524	0.00873	0.00379	0.108	0.0293	0.0000067	34.2	0.0000342	0.000666
2106 Jul	183	0.0934	0.088	0.00253	22.3	0.0396	70.3	0.00139	0.000922	0.00000524	0.00874	0.0038	0.108	0.0293	0.00000672	34.2	0.0000343	0.000669
2106 Aug	182	0.0931	0.0879	0.00253	22.2	0.0396	70.3	0.00139	0.000923	0.00000525	0.00874	0.0038	0.108	0.0293	0.00000672	34.2	0.0000343	0.000668
2106 Sep	182	0.0925	0.0874	0.00252	22.1	0.0396	70.3	0.00139	0.000921	0.00000524	0.00872	0.0038	0.108	0.0291	0.00000671	34.1	0.0000342	0.000667
2106 Oct	182	0.0924	0.0872	0.00252	22.1	0.0397	70.5	0.00139	0.00092	0.00000523	0.00872	0.0038	0.108	0.0291	0.00000671	34	0.0000342	0.000666
2106 Nov	182	0.0924	0.0872	0.00252	22.1	0.0397	70.5	0.00139	0.000921	0.00000523	0.00872	0.0038	0.108	0.0291	0.00000671	34	0.0000342	0.000667
2106 Dec	182	0.0924	0.0872	0.00252	22.1	0.0397	70.5	0.00139	0.000921	0.00000524	0.00872	0.0038	0.108	0.0291	0.00000671	34	0.0000342	0.000667
2107 Jan	182	0.0924	0.0872	0.00252	22.1	0.0397	70.5	0.00139	0.000921	0.00000524	0.00872	0.0038	0.108	0.0291	0.00000671	34	0.0000342	0.000667
2107 Feb	182	0.0924	0.0873	0.00252	22.1	0.0397	70.5	0.00139	0.000921	0.00000524	0.00872	0.0038	0.108	0.0291	0.00000671	34	0.0000342	0.000667
2107 Mar	182	0.0924	0.0873	0.00252	22.1	0.0397	70.5	0.00139	0.000921	0.00000524	0.00872	0.0038	0.108	0.0291	0.00000671	34	0.0000342	0.000667
2107 Apr	182	0.0924	0.0873	0.00252	22.1	0.0397	70.5	0.00139	0.000921	0.00000524	0.00873	0.0038	0.108	0.0291	0.00000671	34	0.0000342	0.000667
2107 May	182	0.0923	0.0871	0.00251	22.1	0.0397	70.5	0.00139	0.00092	0.00000523	0.00872	0.0038	0.108	0.0291	0.00000671	34.1	0.0000342	0.000667
2107 Jun	182	0.0921	0.0868	0.0025	22.1	0.0396	70.5	0.00139	0.000918	0.00000522	0.00871	0.00381	0.108	0.0292	0.00000671	34.1	0.0000342	0.000669
2107 Jul	182	0.0921	0.0868	0.0025	22.1	0.0396	70.5	0.00139	0.000919	0.00000523	0.00872	0.00382	0.109	0.0292	0.00000671	34.1	0.0000342	0.00067
2107 Aug	183	0.0923	0.0869	0.00251	22.1	0.0397	70.6	0.00139	0.000921	0.00000524	0.00873	0.00382	0.109	0.0292	0.00000673	34.2	0.0000343	0.000671
2107 Sep	183	0.0923	0.0869	0.00251	22.1	0.0397	70.7	0.00139	0.000922	0.00000524	0.00874	0.00383	0.109	0.0293	0.00000673	34.2	0.0000343	0.000671
2107 Oct	183	0.0921	0.0866	0.0025	22.1	0.0397	70.7	0.00139	0.000921	0.00000524	0.00874	0.00382	0.109	0.0292	0.00000673	34.2	0.0000343	0.00067
2107 Nov	183	0.092	0.0864	0.0025	22	0.0397	70.8	0.00139	0.000921	0.00000524	0.00873	0.00382	0.109	0.0292	0.00000672	34.2	0.0000343	0.000669
2107 Dec	183	0.092	0.0864	0.0025	22	0.0397	70.8	0.00139	0.000921	0.00000524	0.00874	0.00382	0.109	0.0292	0.00000672	34.2	0.0000343	0.000669
2108 Jan	183	0.092	0.0864	0.0025	22	0.0397	70.8	0.00139	0.000921	0.00000524	0.00874	0.00382	0.109	0.0292	0.00000672	34.2	0.0000343	0.000669
2108 Feb	183	0.092	0.0864	0.0025	22	0.0397	70.8	0.00139	0.000921	0.00000524	0.00874	0.00382	0.109	0.0292	0.00000672	34.2	0.0000343	0.000669
2108 Mar	183	0.092	0.0864	0.0025	22	0.0397	70.8	0.00139	0.000921	0.00000524	0.00874	0.00382	0.109	0.0292	0.00000672	34.2	0.0000343	0.000669
2108 Apr	183	0.0921	0.0865	0.0025	22.1	0.0397	70.8	0.00139	0.000922	0.00000524	0.00874	0.00382	0.109	0.0292	0.00000673	34.2	0.0000343	0.00067
2108 May	183	0.0922	0.0866	0.0025	22.1	0.0398	70.9	0.00139	0.000923	0.00000525	0.00875	0.00382	0.109	0.0292	0.00000673	34.2	0.0000343	0.00067
2108 Jun	182	0.0914	0.0853	0.00248	21.9	0.0396	70.4	0.00139	0.000924	0.00000525	0.00874	0.0038	0.108	0.0292	0.00000672	34.1	0.0000342	0.000666
2108 Jul	182	0.0915	0.0854	0.00248	21.9	0.0397	70.5	0.00139	0.000926	0.00000526	0.00876	0.00381	0.108	0.0292	0.00000673	34.2	0.0000343	0.000668
2108 Aug	183	0.0917	0.0856	0.00249	22	0.0398	70.7	0.0014	0.000929	0.00000527	0.00879	0.00382	0.109	0.0293	0.00000675	34.2	0.0000344	0.000669
2108 Sep	183	0.0917	0.0856	0.00249	22	0.0398	70.7	0.0014	0.000929	0.00000527	0.00879	0.00382	0.109	0.0293	0.00000675	34.3	0.0000344	0.000669
2108 Oct	183	0.0914	0.085	0.00248	21.9	0.0397	70.7	0.0014	0.000929	0.00000527	0.00879	0.0038	0.108	0.0292	0.00000674	34.2	0.0000344	0.000667
2108 Nov	183	0.0914	0.0849	0.00247	21.9	0.0397	70.7	0.0014	0.000929	0.00000527	0.00879	0.0038	0.108	0.0292	0.00000674	34.2	0.0000344	0.000666
2108 Dec	183	0.0914	0.0849	0.00247	21.9	0.0397	70.7	0.0014	0.000929	0.00000527	0.00879	0.0038	0.108	0.0292	0.00000674	34.2	0.0000344	0.000666
2109 Jan	183	0.0914	0.0849	0.00247	21.9	0.0397	70.7	0.0014	0.000929	0.00000527	0.00879	0.0038	0.108	0.0292	0.00000674	34.2	0.0000344	0.000666
2109 Feb	183	0.0914	0.0849	0.00247	21.9	0.0397	70.7	0.0014	0.000929	0.00000527	0.00879	0.0038	0.108	0.0292	0.00000674	34.2	0.0000344	0.000666
2109 Mar	183	0.0914	0.0849	0.00247	21.9	0.0397	70.7	0.0014	0.000929	0.00000527	0.00879	0.0038	0.108	0.0292	0.00000674	34.2	0.0000344	0.000666
2109 Apr	183	0.0914	0.0849	0.00247	21.9	0.0398	70.7	0.0014	0.000929	0.00000527	0.00879	0.0038	0.109	0.0292	0.00000674	34.2	0.0000344	0.000666
2109 May	182	0.0913	0.0844	0.00246	21.9	0.0397	70.5	0.0014	0.00093	0.00000527	0.0088	0.00379	0.108	0.0292	0.00000674	34.2	0.0000343	0.000665
2109 Jun	182	0.0911	0.0834	0.00244	21.8	0.0396	70	0.00139	0.000932	0.00000528	0.0088	0.00378	0.107	0.0293	0.00000673	34.2	0.0000343	0.000663
2109 Jul	182	0.0911	0.0834	0.00245	21.8	0.0396	70.1	0.0014	0.000934	0.00000528	0.00881	0.00378	0.107	0.0293	0.00000674	34.2	0.0000343	0.000664
2109 Aug	182	0.091	0.0834	0.00245	21.8	0.0397	70.2	0.0014	0.000935	0.00000529	0.00882	0.00378	0.108	0.0293	0.00000675	34.2	0.0000343	0.000664
2109 Sep	182	0.0909	0.083	0.00244	21.8	0.0397	70.2	0.0014	0.000935	0.00000529	0.00882	0.00378	0.108	0.0293	0.00000675	34.2	0.0000343	0.000663
2109 Oct	182	0.0906	0.0824	0.00243	21.7	0.0398	70.5	0.0014	0.000934	0.00000528	0.00882	0.00378	0.108	0.0292	0.00000674	34.2	0.0000343	0.000661

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2109 Nov	183	0.0906	0.0823	0.00243	21.7	0.0398	70.6	0.0014	0.000933	0.00000528	0.00882	0.00378	0.108	0.0292	0.00000674	34.2	0.0000343	0.000661
2109 Dec	183	0.0906	0.0823	0.00243	21.7	0.0398	70.6	0.0014	0.000933	0.00000528	0.00882	0.00378	0.108	0.0292	0.00000674	34.2	0.0000343	0.000661
2110 Jan	183	0.0906	0.0824	0.00243	21.7	0.0398	70.6	0.0014	0.000933	0.00000528	0.00882	0.00378	0.108	0.0292	0.00000674	34.2	0.0000343	0.000661
2110 Feb	183	0.0906	0.0824	0.00243	21.7	0.0398	70.6	0.0014	0.000933	0.00000528	0.00882	0.00378	0.108	0.0292	0.00000674	34.2	0.0000343	0.000661
2110 Mar	183	0.0906	0.0824	0.00243	21.7	0.0398	70.6	0.0014	0.000934	0.00000528	0.00882	0.00378	0.108	0.0292	0.00000674	34.2	0.0000343	0.000661
2110 Apr	183	0.0907	0.0824	0.00243	21.7	0.0398	70.6	0.0014	0.000934	0.00000528	0.00882	0.00378	0.108	0.0292	0.00000674	34.2	0.0000343	0.000662
2110 May	183	0.0907	0.0824	0.00243	21.7	0.0398	70.8	0.0014	0.000934	0.00000529	0.00883	0.00379	0.108	0.0292	0.00000675	34.3	0.0000344	0.000662
2110 Jun	185	0.0906	0.0822	0.00242	21.7	0.0397	71.7	0.0014	0.00093	0.00000527	0.00884	0.00383	0.11	0.0294	0.00000676	34.6	0.0000346	0.000669
2110 Jul	185	0.0907	0.0823	0.00242	21.8	0.0398	71.9	0.0014	0.000931	0.00000528	0.00886	0.00384	0.11	0.0294	0.00000677	34.6	0.0000347	0.000671
2110 Aug	185	0.0898	0.0822	0.00242	21.7	0.0398	72	0.00141	0.000929	0.00000527	0.00884	0.00386	0.11	0.0293	0.00000678	34.5	0.0000346	0.000673
2110 Sep	185	0.0896	0.0821	0.00242	21.6	0.04	72.5	0.00141	0.000925	0.00000526	0.00882	0.00388	0.111	0.0291	0.00000678	34.4	0.0000346	0.000676
2110 Oct	185	0.0897	0.0822	0.00242	21.5	0.0402	72.9	0.00141	0.000921	0.00000525	0.00882	0.0039	0.112	0.029	0.00000679	34.4	0.0000346	0.000678
2110 Nov	185	0.0898	0.0822	0.00242	21.5	0.0402	73	0.00142	0.00092	0.00000525	0.00883	0.00391	0.112	0.029	0.00000679	34.4	0.0000346	0.000679
2110 Dec	185	0.0898	0.0822	0.00242	21.5	0.0402	73	0.00142	0.00092	0.00000525	0.00883	0.00391	0.112	0.029	0.00000679	34.4	0.0000346	0.000679
2111 Jan	185	0.0898	0.0822	0.00242	21.5	0.0402	73	0.00142	0.00092	0.00000525	0.00883	0.00391	0.112	0.029	0.00000679	34.4	0.0000346	0.000679
2111 Feb	185	0.0898	0.0822	0.00242	21.5	0.0402	73	0.00142	0.00092	0.00000525	0.00883	0.00391	0.112	0.029	0.00000679	34.4	0.0000346	0.000679
2111 Mar	185	0.0898	0.0822	0.00242	21.5	0.0402	73	0.00142	0.00092	0.00000525	0.00883	0.00391	0.112	0.029	0.00000679	34.4	0.0000346	0.000679
2111 Apr	185	0.0898	0.0822	0.00242	21.5	0.0402	73	0.00142	0.000921	0.00000525	0.00883	0.00391	0.112	0.029	0.00000679	34.4	0.0000346	0.000679
2111 May	186	0.09	0.0822	0.00242	21.6	0.0402	73.1	0.00142	0.000921	0.00000525	0.00884	0.00392	0.112	0.029	0.00000679	34.4	0.0000347	0.000681
2111 Jun	185	0.0901	0.082	0.00241	21.6	0.0401	72.8	0.00142	0.000918	0.00000524	0.00882	0.00394	0.112	0.0292	0.00000679	34.5	0.0000346	0.000686
2111 Jul	185	0.0903	0.0822	0.00241	21.7	0.0402	73	0.00142	0.00092	0.00000526	0.00884	0.00395	0.112	0.0293	0.00000681	34.6	0.0000347	0.000688
2111 Aug	185	0.0899	0.0819	0.00241	21.6	0.0402	72.9	0.00142	0.00092	0.00000525	0.00883	0.00394	0.112	0.0293	0.0000068	34.5	0.0000347	0.000687
2111 Sep	185	0.0896	0.0816	0.0024	21.6	0.0402	73	0.00142	0.00092	0.00000525	0.00883	0.00394	0.112	0.0292	0.0000068	34.5	0.0000346	0.000686
2111 Oct	185	0.0894	0.0813	0.0024	21.5	0.0403	73.3	0.00142	0.000917	0.00000524	0.00882	0.00395	0.113	0.0291	0.0000068	34.5	0.0000346	0.000686
2111 Nov	186	0.0894	0.0812	0.00239	21.4	0.0403	73.4	0.00142	0.000915	0.00000523	0.00882	0.00395	0.113	0.029	0.0000068	34.4	0.0000346	0.000687
2111 Dec	186	0.0894	0.0812	0.00239	21.4	0.0403	73.4	0.00142	0.000915	0.00000523	0.00882	0.00395	0.113	0.029	0.0000068	34.4	0.0000346	0.000687
2112 Jan	186	0.0894	0.0812	0.00239	21.4	0.0403	73.4	0.00142	0.000915	0.00000523	0.00882	0.00395	0.113	0.029	0.0000068	34.4	0.0000346	0.000687
2112 Feb	186	0.0894	0.0812	0.00239	21.4	0.0403	73.4	0.00142	0.000915	0.00000523	0.00882	0.00395	0.113	0.029	0.0000068	34.4	0.0000346	0.000687
2112 Mar	186	0.0894	0.0812	0.00239	21.4	0.0403	73.5	0.00142	0.000915	0.00000523	0.00882	0.00396	0.113	0.029	0.0000068	34.4	0.0000346	0.000687
2112 Apr	186	0.0895	0.0813	0.00239	21.5	0.0403	73.5	0.00142	0.000916	0.00000524	0.00882	0.00396	0.113	0.029	0.0000068	34.4	0.0000346	0.000687
2112 May	186	0.0895	0.0812	0.00239	21.5	0.0403	73.6	0.00142	0.000915	0.00000523	0.00882	0.00396	0.113	0.0291	0.0000068	34.5	0.0000347	0.000688
2112 Jun	185	0.0891	0.081	0.00238	21.5	0.0399	73.5	0.00143	0.000905	0.00000519	0.00876	0.004	0.113	0.0293	0.00000678	34.6	0.0000346	0.000697
2112 Jul	185	0.0889	0.0812	0.00238	21.5	0.0399	73.6	0.00143	0.000904	0.00000519	0.00877	0.00402	0.114	0.0293	0.00000679	34.6	0.0000347	0.0007
2112 Aug	186	0.0891	0.0814	0.00238	21.5	0.04	73.7	0.00143	0.000906	0.0000052	0.00878	0.00403	0.114	0.0294	0.0000068	34.6	0.0000347	0.000701
2112 Sep	186	0.089	0.0813	0.00238	21.5	0.04	73.9	0.00143	0.000906	0.0000052	0.00879	0.00403	0.114	0.0294	0.0000068	34.6	0.0000348	0.000701
2112 Oct	186	0.0889	0.0811	0.00238	21.5	0.04	74	0.00143	0.000906	0.0000052	0.00879	0.00402	0.114	0.0293	0.0000068	34.7	0.0000348	0.0007
2112 Nov	186	0.0889	0.0811	0.00238	21.5	0.04	74.1	0.00143	0.000906	0.0000052	0.00879	0.00402	0.114	0.0293	0.0000068	34.7	0.0000348	0.0007
2112 Dec	186	0.0889	0.0811	0.00238	21.5	0.04	74.1	0.00143	0.000906	0.0000052	0.00879	0.00402	0.114	0.0293	0.0000068	34.7	0.0000348	0.0007
2113 Jan	186	0.0889	0.0811	0.00238	21.5	0.04	74.1	0.00143	0.000906	0.0000052	0.00879	0.00402	0.114	0.0293	0.0000068	34.7	0.0000348	0.0007
2113 Feb	186	0.0889	0.0811	0.00238	21.5	0.04	74.1	0.00143	0.000906	0.0000052	0.00879	0.00402	0.114	0.0293	0.0000068	34.7	0.0000348	0.0007
2113 Mar	186	0.0889	0.0811	0.00238	21.5	0.04	74.1	0.00143	0.000906	0.0000052	0.00879	0.00403	0.114	0.0293	0.0000068	34.7	0.0000348	0.0007
2113 Apr	186	0.0889	0.0811	0.00238	21.5	0.04	74.1	0.00143	0.000906	0.0000052	0.00879	0.00403	0.114	0.0293	0.0000068	34.7	0.0000348	0.000701
2113 May	187	0.0888	0.0809	0.00238	21.5	0.04	74.4	0.00143	0.000907	0.0000052	0.0088	0.00403	0.115	0.0294	0.0000068	34.8	0.0000349	0.0007
2113 Jun	188	0.0882	0.0801	0.00235	21.4	0.0397	74.7	0.00143	0.000905	0.00000519	0.00879	0.00402	0.115	0.0295	0.00000679	34.9	0.000035	0.0007
2113 Jul	188	0.0884	0.0802	0.00236	21.4	0.0398	74.8	0.00143	0.000906	0.0000052	0.00881	0.00403	0.115	0.0295	0.0000068	35	0.000035	0.000702
2113 Aug	188	0.0884	0.0803	0.00236	21.5	0.0398	74.9	0.00143	0.000908	0.00000521	0.00882	0.00404	0.115	0.0296	0.00000681	35	0.0000351	0.000703
2113 Sep	188	0.0883	0.0801	0.00236	21.4	0.0398	75	0.00143	0.000908	0.00000521	0.00882	0.00403	0.115	0.0295	0.00000681	35	0.0000351	0.000702
2113 Oct	188	0.0879	0.0793	0.00234	21.3	0.0398	75.2	0.00143	0.000905	0.00000519	0.00881	0.00403	0.115	0.0293	0.00000679	34.9	0.000035	0.000699
2113 Nov	189	0.088	0.0792	0.00234	21.3	0.0398	75.3	0.00143	0.000904	0.00000519	0.00881	0.00403	0.116	0.0293	0.00000679	34.9	0.000035	0.000699
2113 Dec	189	0.088	0.0793	0.00234	21.3	0.0398	75.3	0.00143	0.000904	0.00000519	0.00881	0.00403	0.116	0.0293	0.00000679	34.9	0.000035	0.000699
2114 Jan	189	0.088	0.0793	0.00234	21.3	0.0398	75.3	0.00143	0.000904	0.00000519	0.00881	0.00403	0.116	0.0293	0.00000679	34.9	0.000035	0.000699
2114 Feb	189	0.088	0.0793	0.00234	21.3	0.0398	75.3	0.00143	0.000904	0.00000519	0.00881	0.00403	0.116	0.0293	0.00000679	34.9	0.000035	0.000699
2114 Mar	189	0.088	0.0793	0.00234	21.3	0.0398	75.3	0.00143	0.000904	0.00000519	0.00882	0.00403	0.116	0.0293	0.00000679	34.9	0.000035	0.000699
2114 Apr	189	0.088	0.0793	0.00234	21.3	0.0398	75.3	0.00143	0.000904	0.00000519	0.00882	0.00403	0.116	0.0293	0.00000679	34.9	0.000035	0.000699
2114 May	189	0.088	0.0791	0.00233	21.3	0.0398	75.5	0.00143	0.000903	0.00000518	0.00882	0.00404	0.116	0.0294	0.00000679	35	0.0000351	0.0007
2114 Jun	189	0.0881	0.0789	0.00233	21.3	0.0397	75.7	0.00143	0.000902	0.00000518	0.00882	0.00405	0.116	0.0295	0.0000068	35.1	0.0000352	0.000703
2114 Jul	190	0.0883	0.0791	0.00233	21.4	0.0398	75.9	0.00143	0.000905	0.0000052	0.00885	0.00406	0.116	0.0296	0.00000682	35.2	0.0000353	0.000705
2114 Aug	190	0.0886	0.0793	0.00234	21.4	0.04	76.1	0.00144	0.000907	0.00000521	0.00887	0.00407	0.117	0.0297	0.00000683	35.3	0.0000353	0.000707
2114 Sep	191	0.0885	0.0792	0.00234	21.4	0.0399	76.2	0.00144	0.000908	0.00000521	0.00888	0.00407	0.117	0.0296	0.00000683	35.3	0.0000354	0.000706
2114 Oct	191	0.0883	0.0786	0.00233	21.4	0.0399	76.4	0.00143	0.000907	0.00000521	0.00888	0.00406	0.117	0.0296	0.00000682	35.4	0.0000354	0.000704
2114 Nov	191	0.0883	0.0781	0.00231	21.3	0.0399	76.6	0.00143	0.000907	0.0000052	0.00888	0.00405	0.117	0.0295	0.00000681	35.4	0.0000354	0.000701
2114 Dec	191	0.0883	0.0781	0.00231	21.3	0.0399	76.6	0.00143	0.000907	0.0000052	0.00888	0.00405	0.117	0.0295	0.00000681	35.4	0.0000354	0.000701
2115 Jan	191	0.0883	0.078	0.00231	21.3	0.0399	76.6	0.00143	0.000907	0.0000052	0.00888	0.00405	0.117	0.0295	0.00000681	35.4	0.0000354	0.000701
2115 Feb	191	0.0883	0.0781	0.00231	21.3	0.0399	76.6	0.00143	0.000907	0.0000052	0.00888	0.00405	0.117	0.0295	0.00000681	35.4	0.0000354	0.000701
2115 Mar	191	0.0883	0.0781	0.00231	21.3	0.0399	76.6	0.00143	0.000907	0.0000052	0.00889	0.00405	0.117	0.0295	0.00000681	35.4	0.0000354	0.000701
2115 Apr	191	0.0883	0.0781	0.00231	21.3	0.0399	76.7	0.00143	0.000907	0.0000052	0.00889	0.00405	0.117	0.0295	0.00000682	35.4	0.0000354	0.000701
2115 May	192	0.0883	0.0778	0.00231	21.3	0.0399	76.7	0.00143	0.000907	0.0000052	0.00889	0.00405	0.117	0.0296	0.00000681	35.4	0.0000354	0.000701
2115 Jun	192	0.0885	0.0776	0.0023	21.3	0.0399	76.8	0.00143	0.000908	0.00000521	0.00891	0.00405	0.117	0.0297	0.00000682	35.5	0.0000355	0.000702
2115 Jul	192	0.0887	0.0777	0.00231	21.4	0.04	77	0.00144	0.000911	0.00000522	0.00893	0.00406	0.118	0.0298	0.00000684	35.6	0.0000356	0.000704
2115 Aug	192	0.0885	0.0774	0.0023	21.3	0.04	76.9	0.00144	0.000911	0.00000522	0.00892	0.00405	0.117	0.0297	0.00000683	35.6	0.0000355	0.000703
2115 Sep	192	0.0883	0.0771	0.0023	21.3	0.04	76.9	0.00143	0.000912	0.00000522	0.00892	0.00405	0.117	0.0297	0.00000683	35.6	0.0000355	0.000701
2115 Oct	193	0.0882	0.0769	0.00229	21.3	0.04	77	0.00143	0.000912	0.00000522	0.00892	0.00405	0.117	0.0297	0.00000683	35.6	0.0000355	0.000701
2115 Nov	193	0.0881	0.0766	0.00229	21.2	0.04	77.2	0.00143	0.000911	0.00000522	0.00892	0.00404	0.118	0.0297	0.00000683	35.6	0.0000355	0.000699

Appendix D.3-4: F ZONE Pit Lake

Constituents	Total Dissolved Solids	Ammonia	Nitrate	Nitrite	Chloride	Fluoride	Sulphate	Total Cyanide	Weakly Acid Dissociable Cyanide	Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Calcium	Cadmium	Cobalt
2115 Dec	193	0.0881	0.0766	0.00229	21.2	0.04	77.2	0.00143	0.000911	0.00000522	0.00892	0.00404	0.118	0.0297	0.00000683	35.6	0.0000355	0.000699
2116 Jan	193	0.0881	0.0766	0.00229	21.2	0.04	77.2	0.00143	0.000911	0.00000522	0.00892	0.00404	0.118	0.0297	0.00000683	35.6	0.0000355	0.000699
2116 Feb	193	0.0881	0.0766	0.00229	21.2	0.04	77.2	0.00143	0.000911	0.00000522	0.00892	0.00404	0.118	0.0297	0.00000683	35.7	0.0000355	0.000699
2116 Mar	193	0.0881	0.0766	0.00229	21.2	0.04	77.2	0.00143	0.000911	0.00000522	0.00892	0.00404	0.118	0.0297	0.00000683	35.7	0.0000355	0.0007
2116 Apr	193	0.0881	0.0767	0.00229	21.2	0.04	77.2	0.00143	0.000912	0.00000522	0.00892	0.00405	0.118	0.0297	0.00000683	35.7	0.0000355	0.0007
2116 May	194	0.0881	0.0765	0.00228	21.3	0.04	77.6	0.00143	0.000912	0.00000522	0.00894	0.00405	0.118	0.0297	0.00000683	35.8	0.0000356	0.0007
2116 Jun	195	0.0878	0.0761	0.00227	21.3	0.0398	78	0.00144	0.000908	0.00000521	0.00892	0.00409	0.119	0.0301	0.00000683	36.1	0.0000357	0.000708
2116 Jul	195	0.088	0.0764	0.00228	21.4	0.0399	78.2	0.00144	0.00091	0.00000522	0.00895	0.0041	0.119	0.0301	0.00000685	36.1	0.0000358	0.000711
2116 Aug	196	0.0882	0.0765	0.00228	21.4	0.0399	78.4	0.00144	0.000912	0.00000523	0.00896	0.00411	0.119	0.0302	0.00000687	36.2	0.0000359	0.000712
2116 Sep	196	0.088	0.0763	0.00228	21.4	0.0399	78.4	0.00144	0.000911	0.00000523	0.00897	0.00411	0.12	0.0301	0.00000687	36.2	0.0000359	0.000711
2116 Oct	196	0.088	0.0758	0.00227	21.3	0.04	78.6	0.00144	0.00091	0.00000523	0.00897	0.0041	0.12	0.03	0.00000686	36.2	0.0000359	0.000709
2116 Nov	196	0.088	0.0757	0.00226	21.3	0.04	78.7	0.00144	0.00091	0.00000523	0.00898	0.0041	0.12	0.03	0.00000686	36.2	0.0000359	0.000709
2116 Dec	196	0.088	0.0757	0.00226	21.3	0.04	78.7	0.00144	0.00091	0.00000523	0.00898	0.0041	0.12	0.03	0.00000686	36.2	0.0000359	0.000709
2117 Jan	196	0.088	0.0757	0.00226	21.3	0.04	78.7	0.00144	0.00091	0.00000523	0.00898	0.0041	0.12	0.03	0.00000686	36.2	0.0000359	0.000709
2117 Feb	196	0.088	0.0757	0.00226	21.3	0.04	78.7	0.00144	0.00091	0.00000523	0.00898	0.0041	0.12	0.03	0.00000686	36.2	0.0000359	0.000709
2117 Mar	196	0.088	0.0757	0.00226	21.3	0.04	78.7	0.00144	0.00091	0.00000523	0.00898	0.0041	0.12	0.03	0.00000686	36.2	0.0000359	0.000709
2117 Apr	196	0.088	0.0758	0.00227	21.3	0.04	78.7	0.00144	0.000911	0.00000523	0.00898	0.00411	0.12	0.03	0.00000686	36.2	0.0000359	0.00071
2117 May	196	0.0881	0.0757	0.00226	21.3	0.04	78.7	0.00144	0.000911	0.00000523	0.00899	0.00411	0.12	0.0301	0.00000687	36.2	0.000036	0.00071
2117 Jun	196	0.0882	0.0753	0.00226	21.3	0.04	78.7	0.00144	0.000912	0.00000524	0.009	0.00411	0.12	0.0302	0.00000687	36.3	0.000036	0.000712
2117 Jul	197	0.0884	0.0755	0.00226	21.4	0.0401	78.8	0.00145	0.000915	0.00000525	0.00902	0.00412	0.12	0.0303	0.00000689	36.4	0.0000361	0.000713
2117 Aug	197	0.0885	0.0756	0.00226	21.4	0.0401	78.9	0.00145	0.000916	0.00000526	0.00904	0.00413	0.12	0.0303	0.0000069	36.4	0.0000361	0.000714
2117 Sep	197	0.0886	0.0756	0.00226	21.4	0.0402	79	0.00145	0.000917	0.00000526	0.00904	0.00413	0.12	0.0303	0.0000069	36.5	0.0000361	0.000715
2117 Oct	197	0.0885	0.0753	0.00226	21.4	0.0401	79	0.00145	0.000917	0.00000526	0.00904	0.00413	0.12	0.0303	0.0000069	36.5	0.0000361	0.000714
2117 Nov	197	0.0885	0.0753	0.00226	21.4	0.0401	79.1	0.00145	0.000917	0.00000526	0.00905	0.00412	0.12	0.0303	0.0000069	36.5	0.0000361	0.000713
2117 Dec	197	0.0885	0.0752	0.00226	21.4	0.0401	79.1	0.00145	0.000917	0.00000526	0.00905	0.00412	0.12	0.0303	0.0000069	36.5	0.0000361	0.000713
2118 Jan	197	0.0885	0.0752	0.00226	21.4	0.0401	79.1	0.00145	0.000917	0.00000526	0.00905	0.00412	0.12	0.0303	0.0000069	36.5	0.0000361	0.000713
2118 Feb	197	0.0885	0.0752	0.00226	21.4	0.0401	79.1	0.00145	0.000917	0.00000526	0.00905	0.00412	0.12	0.0303	0.0000069	36.5	0.0000362	0.000713
2118 Mar	197	0.0885	0.0752	0.00226	21.4	0.0401	79.1	0.00145	0.000917	0.00000526	0.00905	0.00412	0.12	0.0303	0.0000069	36.5	0.0000362	0.000713
2118 Apr	197	0.0885	0.0753	0.00226	21.4	0.0402	79.1	0.00145	0.000917	0.00000526	0.00905	0.00412	0.12	0.0303	0.0000069	36.5	0.0000362	0.000713
2118 May	197	0.0884	0.0746	0.00224	21.4	0.04	78.7	0.00145	0.000919	0.00000527	0.00904	0.00411	0.12	0.0305	0.00000689	36.5	0.0000361	0.000712
2118 Jun	196	0.0883	0.0741	0.00223	21.5	0.0398	78	0.00145	0.000917	0.00000526	0.00901	0.00413	0.119	0.0308	0.00000688	36.6	0.000036	0.000718
2118 Jul	196	0.0886	0.0743	0.00223	21.5	0.0399	78.2	0.00145	0.00092	0.00000528	0.00904	0.00414	0.119	0.0309	0.00000691	36.7	0.0000361	0.00072
2118 Aug	196	0.0885	0.0743	0.00224	21.5	0.0399	78.2	0.00145	0.000921	0.00000528	0.00905	0.00414	0.119	0.0309	0.00000691	36.8	0.0000361	0.00072
2118 Sep	196	0.0882	0.0738	0.00222	21.5	0.04	78.4	0.00145	0.000919	0.00000527	0.00904	0.00414	0.12	0.0308	0.0000069	36.7	0.0000361	0.000719
2118 Oct	197	0.0883	0.0737	0.00222	21.4	0.0401	78.8	0.00145	0.000917	0.00000527	0.00905	0.00416	0.12	0.0307	0.00000691	36.7	0.0000361	0.000721
2118 Nov	197	0.0884	0.0737	0.00222	21.4	0.0401	78.9	0.00146	0.000916	0.00000526	0.00905	0.00416	0.12	0.0307	0.00000691	36.7	0.0000361	0.000721
2118 Dec	197	0.0884	0.0737	0.00222	21.4	0.0401	78.9	0.00146	0.000916	0.00000526	0.00905	0.00416	0.12	0.0307	0.00000691	36.7	0.0000361	0.000721
2119 Jan	197	0.0884	0.0737	0.00222	21.4	0.0401	78.9	0.00146	0.000916	0.00000526	0.00905	0.00416	0.12	0.0307	0.00000691	36.7	0.0000361	0.000721
2119 Feb	197	0.0884	0.0737	0.00222	21.4	0.0401	78.9	0.00146	0.000916	0.00000526	0.00905	0.00416	0.12	0.0307	0.00000691	36.7	0.0000361	0.000721
2119 Mar	197	0.0884	0.0737	0.00222	21.4	0.0401	78.9	0.00146	0.000916	0.00000526	0.00905	0.00416	0.12	0.0307	0.00000691	36.7	0.0000361	0.000721
2119 Apr	197	0.0885	0.0737	0.00222	21.4	0.0401	79	0.00146	0.000916	0.00000527	0.00906	0.00417	0.121	0.0307	0.00000691	36.7	0.0000362	0.000722
2119 May	197	0.089	0.0737	0.00221	21.6	0.0401	78.8	0.00146	0.000914	0.00000526	0.00904	0.00419	0.12	0.0312	0.00000691	37	0.0000362	0.000729
2119 Jun	197	0.0891	0.0738	0.00221	21.7	0.04	78.7	0.00146	0.000913	0.00000526	0.00903	0.00422	0.12	0.0314	0.00000692	37.1	0.0000362	0.000734
2119 Jul	198	0.0894	0.074	0.00222	21.7	0.0401	78.9	0.00147	0.000915	0.00000527	0.00906	0.00423	0.121	0.0315	0.00000694	37.2	0.0000363	0.000736
2119 Aug	198	0.0894	0.0741	0.00222	21.8	0.0402	79	0.00147	0.000917	0.00000528	0.00907	0.00423	0.121	0.0315	0.00000695	37.2	0.0000363	0.000737
2119 Sep	198	0.0892	0.0738	0.00222	21.7	0.0401	79.1	0.00147	0.000917	0.00000528	0.00907	0.00423	0.121	0.0315	0.00000694	37.2	0.0000363	0.000736
2119 Oct	198	0.0891	0.0734	0.00221	21.7	0.0401	79.2	0.00146	0.000916	0.00000527	0.00907	0.00422	0.121	0.0314	0.00000694	37.2	0.0000363	0.000734
2119 Nov	198	0.0891	0.0733	0.00221	21.6	0.0401	79.3	0.00146	0.000915	0.00000527	0.00907	0.00422	0.121	0.0313	0.00000694	37.2	0.0000363	0.000734
2119 Dec	198	0.0891	0.0733	0.00221	21.6	0.0401	79.3	0.00146	0.000915	0.00000527	0.00907	0.00422	0.121	0.0313	0.00000694	37.2	0.0000363	0.000734

Appendix D.3-4: F ZONE Pit Lake

Constituents	**Chromium**	**Copper**	**Iron**	**Mercury**	**Potassium**	**Magnesium**	**Manganese**	**Molybdenum**	**Sodium**	**Nickel**	**Phosphorus**	**Lead**	**Antimony**	**Selenium**	**Strontium**	**Thallium**	**Uranium**	**Vanadium**	**Zinc**
Unit:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Post Closure (2051-2119): Min	0.000128	0.00105	0.0189	0.00000325	1.13	3.22	0.0143	0.000308	9.11	0.0017	0.00456	0.0000481	0.000233	0.000114	0.06	0.00000198	0.0000818	0.000191	0.00102
Post Closure (2051-2119): Mean	0.000351	0.00157	0.109	0.00000937	4.06	7.65	0.0688	0.00146	29	0.00408	0.0101	0.000525	0.000693	0.000296	0.245	0.00000419	0.000684	0.000744	0.00185
Post Closure (2051-2119): Max	0.000444	0.00184	0.134	0.0000106	6.51	10.1	0.0948	0.0025	36	0.00535	0.0113	0.000734	0.000964	0.000425	0.367	0.00000629	0.00121	0.00091	0.00206
Water quality guideline for the protection of aquatic life	***0.005***	***variable***	***1.06***	***0.000026***	**-**	**-**	***variable***	***0.073***	**-**	***variable***	***0.01***	***variable***	***0.009***	***0.001***	**-**	***0.0008***	***0.015***	**-**	***variable***
Note: Calculation of mean excludes zero values; Values hig																			
Model Predictions																			
2051 Jan	0.000128	0.00106	0.0189	0.00000325	1.13	3.22	0.0143	0.000308	9.11	0.0017	0.00456	0.0000481	0.000233	0.000115	0.06	0.00000199	0.0000818	0.000191	0.00102
2051 Feb	0.000128	0.00106	0.0189	0.00000325	1.13	3.22	0.0143	0.000308	9.11	0.0017	0.00456	0.0000481	0.000233	0.000115	0.06	0.00000199	0.0000818	0.000191	0.00102
2051 Mar	0.000128	0.00106	0.0189	0.00000325	1.13	3.22	0.0143	0.000308	9.11	0.0017	0.00456	0.0000481	0.000233	0.000115	0.06	0.00000199	0.0000818	0.000191	0.00102
2051 Apr	0.000128	0.00106	0.0189	0.00000325	1.13	3.22	0.0143	0.000308	9.12	0.00171	0.00456	0.0000481	0.000233	0.000115	0.06	0.00000199	0.0000818	0.000191	0.00102
2051 May	0.000128	0.00106	0.019	0.00000325	1.13	3.22	0.0143	0.000308	9.13	0.00171	0.00456	0.0000483	0.000234	0.000115	0.0601	0.00000199	0.0000819	0.000191	0.00102
2051 Jun	0.000131	0.00106	0.0206	0.00000333	1.14	3.24	0.015	0.000308	9.3	0.00171	0.00462	0.0000551	0.000235	0.000115	0.0609	0.00000198	0.0000823	0.000201	0.00103
2051 Jul	0.000132	0.00106	0.0216	0.00000339	1.14	3.24	0.0153	0.000308	9.32	0.00171	0.00467	0.0000583	0.000236	0.000115	0.0612	0.00000198	0.0000824	0.000206	0.00104
2051 Aug	0.000133	0.00106	0.0221	0.00000343	1.14	3.24	0.0154	0.000308	9.32	0.00171	0.0047	0.0000595	0.000236	0.000115	0.0614	0.00000199	0.0000824	0.000208	0.00104
2051 Sep	0.000134	0.00106	0.0229	0.0000035	1.14	3.24	0.0156	0.000308	9.33	0.00171	0.00474	0.0000616	0.000236	0.000115	0.0617	0.00000198	0.0000825	0.000211	0.00105
2051 Oct	0.000135	0.00105	0.0245	0.00000361	1.14	3.24	0.0159	0.00031	9.39	0.00171	0.00483	0.0000649	0.000236	0.000114	0.0622	0.00000198	0.0000827	0.000216	0.00106
2051 Nov	0.000135	0.00105	0.0246	0.00000362	1.14	3.24	0.0159	0.000311	9.41	0.00171	0.00484	0.0000653	0.000236	0.000114	0.0622	0.00000198	0.0000828	0.000217	0.00106
2051 Dec	0.000135	0.00105	0.0246	0.00000362	1.14	3.24	0.0159	0.000311	9.41	0.00171	0.00484	0.0000653	0.000236	0.000114	0.0623	0.00000198	0.0000828	0.000217	0.00106
2052 Jan	0.000135	0.00105	0.0246	0.00000362	1.14	3.24	0.0159	0.000311	9.41	0.00171	0.00484	0.0000653	0.000236	0.000114	0.0623	0.00000198	0.0000828	0.000217	0.00106
2052 Feb	0.000135	0.00105	0.0246	0.00000362	1.14	3.24	0.0159	0.000311	9.41	0.00171	0.00484	0.0000653	0.000236	0.000114	0.0623	0.00000198	0.0000828	0.000217	0.00106
2052 Mar	0.000135	0.00105	0.0246	0.00000362	1.14	3.24	0.0159	0.000311	9.41	0.00171	0.00484	0.0000653	0.000236	0.000114	0.0623	0.00000198	0.0000828	0.000217	0.00106
2052 Apr	0.000135	0.00105	0.0246	0.00000362	1.14	3.24	0.0159	0.000311	9.41	0.00171	0.00484	0.0000653	0.000236	0.000114	0.0623	0.00000198	0.0000828	0.000217	0.00106
2052 May	0.000135	0.00105	0.025	0.00000365	1.14	3.25	0.016	0.000312	9.44	0.00171	0.00486	0.0000663	0.000237	0.000115	0.0625	0.00000198	0.000083	0.000218	0.00106
2052 Jun	0.000143	0.00106	0.0295	0.00000396	1.17	3.35	0.0177	0.000322	9.8	0.00175	0.00508	0.0000806	0.000243	0.000116	0.0655	0.00000198	0.0000857	0.00024	0.00109
2052 Jul	0.000145	0.00107	0.0303	0.00000403	1.17	3.39	0.018	0.000325	9.92	0.00176	0.00513	0.000083	0.000245	0.000117	0.0662	0.00000199	0.0000867	0.000245	0.0011
2052 Aug	0.000145	0.00107	0.0305	0.00000406	1.18	3.4	0.0181	0.000327	9.98	0.00177	0.00515	0.0000836	0.000246	0.000117	0.0664	0.00000199	0.0000872	0.000246	0.0011
2052 Sep	0.000146	0.00107	0.0309	0.00000409	1.18	3.42	0.0182	0.000329	10.1	0.00177	0.00517	0.0000848	0.000248	0.000118	0.0668	0.00000199	0.0000878	0.000248	0.00111
2052 Oct	0.000146	0.00107	0.0312	0.00000412	1.18	3.44	0.0183	0.000331	10.2	0.00178	0.00519	0.0000857	0.000249	0.000118	0.0671	0.00000199	0.0000883	0.000249	0.00111
2052 Nov	0.000146	0.00107	0.0312	0.00000412	1.18	3.44	0.0183	0.000331	10.2	0.00178	0.00519	0.0000857	0.000249	0.000118	0.0671	0.00000199	0.0000883	0.000249	0.00111
2052 Dec	0.000146	0.00107	0.0312	0.00000412	1.18	3.44	0.0183	0.000331	10.2	0.00178	0.00519	0.0000857	0.000249	0.000118	0.0671	0.00000199	0.0000883	0.000249	0.00111
2053 Jan	0.000146	0.00107	0.0312	0.00000412	1.18	3.44	0.0183	0.000331	10.2	0.00178	0.00519	0.0000857	0.000249	0.000118	0.0671	0.00000199	0.0000883	0.000249	0.00111
2053 Feb	0.000146	0.00107	0.0312	0.00000412	1.18	3.44	0.0183	0.000331	10.2	0.00178	0.00519	0.0000857	0.000249	0.000118	0.0671	0.00000199	0.0000883	0.000249	0.00111
2053 Mar	0.000146	0.00107	0.0312	0.00000412	1.18	3.44	0.0183	0.000331	10.2	0.00178	0.00519	0.0000858	0.000249	0.000118	0.0671	0.00000199	0.0000883	0.000249	0.00111
2053 Apr	0.000146	0.00107	0.0312	0.00000412	1.18	3.44	0.0183	0.000331	10.2	0.00178	0.00519	0.0000858	0.000249	0.000118	0.0672	0.00000199	0.0000884	0.000249	0.00111
2053 May	0.00015	0.00109	0.0327	0.00000423	1.2	3.55	0.0192	0.000341	10.7	0.00183	0.00526	0.0000932	0.000257	0.000121	0.069	0.000002	0.0000913	0.000259	0.00113
2053 Jun	0.000168	0.00113	0.0396	0.00000471	1.28	3.93	0.0231	0.000375	12.4	0.00199	0.00557	0.000125	0.000285	0.000131	0.0773	0.00000202	0.000104	0.000304	0.00118
2053 Jul	0.00017	0.00113	0.0405	0.00000478	1.29	3.98	0.0236	0.00038	12.6	0.00201	0.00562	0.000129	0.000289	0.000132	0.0786	0.00000203	0.000107	0.00031	0.00119
2053 Aug	0.000171	0.00114	0.0406	0.0000048	1.29	3.99	0.0236	0.000381	12.7	0.00202	0.00563	0.000129	0.00029	0.000133	0.0788	0.00000203	0.000107	0.000311	0.0012
2053 Sep	0.000171	0.00114	0.0407	0.0000048	1.3	3.99	0.0237	0.000382	12.7	0.00202	0.00564	0.000129	0.00029	0.000133	0.0789	0.00000203	0.000107	0.000311	0.0012
2053 Oct	0.000171	0.00114	0.0407	0.00000481	1.3	4	0.0237	0.000382	12.7	0.00202	0.00564	0.000129	0.00029	0.000133	0.0789	0.00000204	0.000107	0.000311	0.0012
2053 Nov	0.000171	0.00114	0.0407	0.00000481	1.3	4	0.0237	0.000382	12.7	0.00202	0.00564	0.000129	0.00029	0.000133	0.0789	0.00000204	0.000107	0.000311	0.0012
2053 Dec	0.000171	0.00114	0.0407	0.00000481	1.3	4	0.0237	0.000382	12.7	0.00202	0.00564	0.000129	0.00029	0.000133	0.0789	0.00000204	0.000107	0.000311	0.0012
2054 Jan	0.000171	0.00114	0.0407	0.00000481	1.3	4	0.0237	0.000382	12.7	0.00202	0.00564	0.000129	0.00029	0.000133	0.0789	0.00000204	0.000107	0.000311	0.0012
2054 Feb	0.000171	0.00114	0.0407	0.00000481	1.3	4	0.0237	0.000382	12.7	0.00202	0.00564	0.000129	0.00029	0.000133	0.0789	0.00000204	0.000107	0.000311	0.0012
2054 Mar	0.000171	0.00114	0.0407	0.00000481	1.3	4	0.0237	0.000382	12.7	0.00202	0.00564	0.000129	0.00029	0.000133	0.0789	0.00000204	0.000107	0.000311	0.0012
2054 Apr	0.000171	0.00114	0.0407	0.00000481	1.3	4	0.0237	0.000382	12.7	0.00202	0.00565	0.000129	0.00029	0.000133	0.0789	0.00000204	0.000107	0.000311	0.0012
2054 May	0.000172	0.00114	0.0409	0.00000482	1.3	4.01	0.0238	0.000383	12.8	0.00203	0.00566	0.00013	0.000291	0.000133	0.0792	0.00000204	0.000108	0.000313	0.0012
2054 Jun	0.000182	0.00116	0.0449	0.00000508	1.35	4.23	0.0261	0.000403	13.9	0.00213	0.00584	0.000151	0.000309	0.00014	0.0842	0.00000205	0.000116	0.00034	0.00124
2054 Jul	0.000186	0.00117	0.0468	0.00000523	1.37	4.32	0.027	0.000412	14.4	0.00217	0.00594	0.000159	0.000317	0.000142	0.0865	0.00000206	0.000121	0.000353	0.00126
2054 Aug	0.000187	0.00118	0.0471	0.00000527	1.38	4.34	0.0272	0.000415	14.5	0.00218	0.00597	0.00016	0.000319	0.000143	0.087	0.00000207	0.000122	0.000355	0.00127
2054 Sep	0.000187	0.00118	0.0475	0.0000053	1.38	4.36	0.0274	0.000417	14.7	0.0022	0.00599	0.000161	0.000321	0.000143	0.0875	0.00000207	0.000123	0.000357	0.00127
2054 Oct	0.000188	0.00118	0.0479	0.00000535	1.39	4.39	0.0276	0.000421	14.8	0.00221	0.00602	0.000163	0.000324	0.000144	0.0883	0.00000208	0.000125	0.000359	0.00128
2054 Nov	0.000188	0.00118	0.0481	0.00000537	1.39	4.4	0.0277	0.000423	14.9	0.00222	0.00604	0.000164	0.000325	0.000145	0.0886	0.00000208	0.000126	0.00036	0.00128
2054 Dec	0.000188	0.00118	0.0482	0.00000537	1.39	4.4	0.0277	0.000423	14.9	0.00222	0.00604	0.000164	0.000325	0.000145	0.0886	0.00000208	0.000126	0.00036	0.00128
2055 Jan	0.000188	0.00118	0.0482	0.00000538	1.39	4.4	0.0277	0.000423	14.9	0.00222	0.00604	0.000164	0.000325	0.000145	0.0886	0.00000208	0.000126	0.00036	0.00128
2055 Feb	0.000188	0.00118	0.0482	0.00000538	1.39	4.4	0.0277	0.000423	14.9	0.00222	0.00604	0.000164	0.000325	0.000145	0.0886	0.00000208	0.000126	0.00036	0.00128
2055 Mar	0.000188	0.00118	0.0482	0.00000538	1.39	4.4	0.0277	0.000423	14.9	0.00222	0.00604	0.000164	0.000325	0.000145	0.0886	0.00000208	0.000126	0.00036	0.00128
2055 Apr	0.000188	0.00118	0.0482	0.00000538	1.39	4.4	0.0277	0.000424	14.9	0.00222	0.00604	0.000164	0.000325	0.000145	0.0886	0.00000208	0.000126	0.00036	0.00128
2055 May	0.000189	0.00118	0.0482	0.00000538	1.4	4.41	0.0277	0.000424	14.9	0.00222	0.00604	0.000164	0.000325	0.000145	0.0887	0.00000208	0.000126	0.000361	0.00128
2055 Jun	0.000192	0.00119	0.0511	0.00000574	1.45	4.55	0.0289	0.000447	16	0.00231	0.00628	0.000174	0.000343	0.000149	0.0936	0.00000211	0.00014	0.00038	0.00133
2055 Jul	0.000193	0.0012	0.0525	0.00000592	1.48	4.6	0.0295	0.000457	16.4	0.00236	0.0064	0.000178	0.000352	0.000152	0.0962	0.00000214	0.000147	0.000389	0.00135
2055 Aug	0.000194	0.0012	0.0526	0.00000593	1.49	4.61	0.0296	0.000458	16.5	0.00236	0.00641	0.000178	0.000353	0.000152	0.0964	0.00000214	0.000148	0.00039	0.00135
2055 Sep	0.000194	0.0012	0.0528	0.00000595	1.49	4.61	0.0296	0.00046	16.5	0.00237	0.00642	0.000179	0.000353	0.000152	0.0966	0.00000214	0.000149	0.000391	0.00136
2055 Oct	0.000194	0.0012	0.0528	0.00000596	1.49	4.61	0.0296	0.00046	16.5	0.00237	0.00643	0.000179	0.000354	0.000152	0.0968	0.00000215	0.000149	0.000391	0.00136
2055 Nov	0.000194	0.0012	0.0528	0.00000596	1.49	4.62	0.0297	0.00046	16.5	0.00237	0.00643	0.000179	0.000354	0.000152	0.0968	0.00000215	0.000149	0.000391	0.00136
2055 Dec	0.000194	0.0012	0.0528	0.00000596	1.49	4.62	0.0297	0.000461	16.5	0.00237	0.00643	0.000179	0.000354	0.000152	0.0968	0.00000215	0.000149	0.000391	0.00136
2056 Jan	0.000194	0.0012	0.0528	0.00000596	1.49	4.62	0.0297	0.000461	16.5	0.00237	0.00643	0.000179	0.000354	0.000152	0.0968	0.00000215	0.000149	0.000391	0.00136
2056 Feb	0.000194	0.0012	0.0528	0.00000596	1.49	4.62	0.0297	0.000461	16.5	0.00237	0.00643	0.000179	0.000354	0.000152	0.0968	0.00000215	0.000149	0.000391	0.00136

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2056 Mar	0.000194	0.0012	0.0528	0.00000596	1.49	4.62	0.0297	0.000461	16.5	0.00237	0.00643	0.000179	0.000354	0.000152	0.0968	0.00000215	0.000149	0.000391	0.00136
2056 Apr	0.000194	0.0012	0.0529	0.00000596	1.49	4.62	0.0297	0.000461	16.5	0.00237	0.00643	0.000179	0.000354	0.000152	0.0968	0.00000215	0.000149	0.000391	0.00136
2056 May	0.000195	0.0012	0.0535	0.000006	1.5	4.64	0.03	0.000463	16.6	0.00238	0.00647	0.000182	0.000356	0.000153	0.0975	0.00000215	0.00015	0.000395	0.00136
2056 Jun	0.000206	0.00121	0.0584	0.00000626	1.55	4.73	0.0323	0.000475	17.2	0.00243	0.0067	0.000203	0.000365	0.000156	0.103	0.00000218	0.000159	0.000422	0.0014
2056 Jul	0.000208	0.00122	0.0589	0.0000063	1.56	4.74	0.0326	0.000477	17.3	0.00244	0.00674	0.000205	0.000366	0.000157	0.103	0.00000219	0.000161	0.000425	0.0014
2056 Aug	0.000208	0.00122	0.0591	0.00000632	1.57	4.75	0.0326	0.000478	17.3	0.00245	0.00676	0.000206	0.000367	0.000157	0.104	0.00000219	0.000161	0.000426	0.0014
2056 Sep	0.000208	0.00122	0.0593	0.00000633	1.57	4.76	0.0327	0.000479	17.3	0.00245	0.00677	0.000206	0.000368	0.000157	0.104	0.00000219	0.000162	0.000427	0.00141
2056 Oct	0.000209	0.00122	0.0595	0.00000635	1.57	4.77	0.0328	0.000481	17.4	0.00246	0.00678	0.000207	0.000369	0.000158	0.104	0.0000022	0.000163	0.000428	0.00141
2056 Nov	0.000209	0.00122	0.0595	0.00000635	1.58	4.78	0.0328	0.000482	17.5	0.00246	0.00679	0.000207	0.000369	0.000158	0.104	0.0000022	0.000163	0.000428	0.00141
2056 Dec	0.000209	0.00122	0.0595	0.00000635	1.58	4.78	0.0328	0.000482	17.5	0.00246	0.00679	0.000207	0.000369	0.000158	0.104	0.0000022	0.000163	0.000428	0.00141
2057 Jan	0.000209	0.00122	0.0595	0.00000635	1.58	4.78	0.0328	0.000482	17.5	0.00246	0.00679	0.000207	0.000369	0.000158	0.104	0.0000022	0.000163	0.000428	0.00141
2057 Feb	0.000209	0.00122	0.0595	0.00000635	1.58	4.78	0.0328	0.000482	17.5	0.00246	0.00679	0.000207	0.000369	0.000158	0.104	0.0000022	0.000163	0.000428	0.00141
2057 Mar	0.000209	0.00122	0.0595	0.00000635	1.58	4.78	0.0328	0.000482	17.5	0.00246	0.00679	0.000207	0.000369	0.000158	0.104	0.0000022	0.000163	0.000428	0.00141
2057 Apr	0.000209	0.00122	0.0595	0.00000635	1.58	4.78	0.0328	0.000482	17.5	0.00246	0.00679	0.000207	0.000369	0.000158	0.104	0.0000022	0.000163	0.000429	0.00141
2057 May	0.000209	0.00122	0.0597	0.00000636	1.58	4.78	0.0329	0.000483	17.5	0.00247	0.0068	0.000208	0.00037	0.000158	0.104	0.0000022	0.000163	0.000429	0.00141
2057 Jun	0.000218	0.00123	0.0639	0.00000663	1.63	4.88	0.0348	0.000496	18.2	0.00253	0.00703	0.000226	0.00038	0.000161	0.109	0.00000223	0.000172	0.000453	0.00145
2057 Jul	0.000219	0.00124	0.0647	0.00000669	1.64	4.9	0.0351	0.0005	18.3	0.00254	0.00709	0.000229	0.000383	0.000162	0.11	0.00000224	0.000175	0.000458	0.00146
2057 Aug	0.00022	0.00124	0.0649	0.00000671	1.65	4.91	0.0352	0.000502	18.3	0.00255	0.00711	0.000229	0.000384	0.000163	0.11	0.00000224	0.000176	0.000459	0.00146
2057 Sep	0.00022	0.00124	0.0649	0.00000672	1.65	4.91	0.0353	0.000502	18.4	0.00255	0.00712	0.00023	0.000385	0.000163	0.11	0.00000225	0.000176	0.00046	0.00146
2057 Oct	0.00022	0.00124	0.065	0.00000672	1.65	4.92	0.0353	0.000502	18.4	0.00255	0.00712	0.00023	0.000385	0.000163	0.111	0.00000225	0.000176	0.00046	0.00146
2057 Nov	0.00022	0.00124	0.065	0.00000673	1.65	4.92	0.0353	0.000503	18.4	0.00255	0.00712	0.00023	0.000385	0.000163	0.111	0.00000225	0.000176	0.00046	0.00146
2057 Dec	0.00022	0.00124	0.065	0.00000673	1.65	4.92	0.0353	0.000503	18.4	0.00255	0.00712	0.00023	0.000385	0.000163	0.111	0.00000225	0.000176	0.00046	0.00146
2058 Jan	0.00022	0.00124	0.065	0.00000673	1.65	4.92	0.0353	0.000503	18.4	0.00255	0.00712	0.00023	0.000385	0.000163	0.111	0.00000225	0.000176	0.00046	0.00146
2058 Feb	0.00022	0.00124	0.065	0.00000673	1.65	4.92	0.0353	0.000503	18.4	0.00255	0.00712	0.00023	0.000385	0.000163	0.111	0.00000225	0.000176	0.00046	0.00146
2058 Mar	0.00022	0.00124	0.065	0.00000673	1.65	4.92	0.0353	0.000503	18.4	0.00255	0.00712	0.00023	0.000385	0.000163	0.111	0.00000225	0.000176	0.00046	0.00146
2058 Apr	0.00022	0.00124	0.065	0.00000673	1.65	4.92	0.0353	0.000503	18.4	0.00255	0.00712	0.00023	0.000385	0.000163	0.111	0.00000225	0.000176	0.00046	0.00146
2058 May	0.000223	0.00125	0.0659	0.00000677	1.67	5	0.036	0.00051	18.9	0.00259	0.00717	0.000236	0.000392	0.000165	0.112	0.00000225	0.000179	0.000467	0.00148
2058 Jun	0.000243	0.0013	0.0726	0.00000709	1.77	5.37	0.0402	0.000548	21	0.00277	0.00747	0.000277	0.000423	0.000177	0.122	0.00000229	0.000197	0.000515	0.00153
2058 Jul	0.000245	0.0013	0.0733	0.00000714	1.79	5.39	0.0407	0.000553	21.2	0.00279	0.00752	0.00028	0.000426	0.000178	0.123	0.00000231	0.000201	0.00052	0.00154
2058 Aug	0.000245	0.0013	0.0735	0.00000716	1.79	5.4	0.0407	0.000554	21.2	0.00279	0.00754	0.000281	0.000427	0.000178	0.123	0.00000231	0.000202	0.000521	0.00154
2058 Sep	0.000246	0.00131	0.0737	0.00000717	1.8	5.41	0.0408	0.000556	21.3	0.0028	0.00756	0.000281	0.000428	0.000179	0.124	0.00000232	0.000203	0.000522	0.00155
2058 Oct	0.000246	0.00131	0.0738	0.00000719	1.8	5.43	0.0409	0.000558	21.4	0.00281	0.00757	0.000282	0.000429	0.000179	0.124	0.00000232	0.000203	0.000523	0.00155
2058 Nov	0.000246	0.00131	0.0738	0.00000719	1.8	5.43	0.0409	0.000559	21.4	0.00281	0.00757	0.000282	0.00043	0.000179	0.124	0.00000232	0.000204	0.000523	0.00155
2058 Dec	0.000246	0.00131	0.0738	0.00000719	1.8	5.43	0.0409	0.000559	21.4	0.00281	0.00757	0.000282	0.00043	0.000179	0.124	0.00000232	0.000204	0.000523	0.00155
2059 Jan	0.000246	0.00131	0.0738	0.00000719	1.8	5.43	0.0409	0.000559	21.4	0.00281	0.00757	0.000282	0.00043	0.000179	0.124	0.00000232	0.000204	0.000523	0.00155
2059 Feb	0.000246	0.00131	0.0738	0.00000719	1.8	5.43	0.0409	0.000559	21.4	0.00281	0.00757	0.000282	0.00043	0.000179	0.124	0.00000232	0.000204	0.000523	0.00155
2059 Mar	0.000246	0.00131	0.0738	0.00000719	1.8	5.43	0.0409	0.000559	21.4	0.00281	0.00757	0.000282	0.00043	0.000179	0.124	0.00000232	0.000204	0.000523	0.00155
2059 Apr	0.000246	0.00131	0.0738	0.00000719	1.8	5.43	0.0409	0.000559	21.4	0.00281	0.00757	0.000282	0.00043	0.000179	0.124	0.00000232	0.000204	0.000523	0.00155
2059 May	0.000247	0.00131	0.0742	0.00000721	1.81	5.45	0.0412	0.000561	21.6	0.00282	0.00759	0.000285	0.000431	0.00018	0.125	0.00000232	0.000205	0.000526	0.00155
2059 Jun	0.000255	0.00133	0.077	0.00000735	1.84	5.56	0.0427	0.000574	22.2	0.00288	0.00773	0.000299	0.00044	0.000183	0.128	0.00000234	0.000211	0.000543	0.00157
2059 Jul	0.000256	0.00133	0.0773	0.00000737	1.85	5.58	0.0429	0.000576	22.3	0.00289	0.00776	0.0003	0.000442	0.000184	0.129	0.00000235	0.000212	0.000545	0.00158
2059 Aug	0.000256	0.00133	0.0775	0.00000739	1.86	5.6	0.043	0.000578	22.3	0.00289	0.00778	0.000301	0.000443	0.000185	0.129	0.00000235	0.000212	0.000546	0.00158
2059 Sep	0.000257	0.00134	0.0776	0.0000074	1.86	5.6	0.043	0.000578	22.4	0.0029	0.00779	0.000302	0.000443	0.000185	0.129	0.00000236	0.000213	0.000547	0.00158
2059 Oct	0.000258	0.00134	0.0781	0.00000743	1.86	5.63	0.0432	0.000582	22.6	0.00291	0.00782	0.000304	0.000445	0.000185	0.13	0.00000236	0.000214	0.000549	0.00159
2059 Nov	0.000258	0.00134	0.0782	0.00000744	1.87	5.63	0.0433	0.000584	22.6	0.00291	0.00783	0.000304	0.000446	0.000186	0.13	0.00000236	0.000215	0.00055	0.00159
2059 Dec	0.000258	0.00134	0.0782	0.00000744	1.87	5.63	0.0433	0.000584	22.6	0.00291	0.00783	0.000304	0.000446	0.000186	0.13	0.00000236	0.000215	0.00055	0.00159
2060 Jan	0.000258	0.00134	0.0782	0.00000744	1.87	5.63	0.0433	0.000584	22.6	0.00291	0.00783	0.000304	0.000446	0.000186	0.13	0.00000236	0.000215	0.00055	0.00159
2060 Feb	0.000258	0.00134	0.0782	0.00000744	1.87	5.63	0.0433	0.000584	22.6	0.00291	0.00783	0.000304	0.000446	0.000186	0.13	0.00000236	0.000215	0.00055	0.00159
2060 Mar	0.000258	0.00134	0.0782	0.00000744	1.87	5.64	0.0433	0.000584	22.6	0.00291	0.00783	0.000304	0.000446	0.000186	0.13	0.00000236	0.000215	0.00055	0.00159
2060 Apr	0.000258	0.00134	0.0782	0.00000744	1.87	5.64	0.0433	0.000584	22.6	0.00292	0.00783	0.000304	0.000446	0.000186	0.13	0.00000236	0.000215	0.00055	0.00159
2060 May	0.000261	0.00135	0.0794	0.0000075	1.88	5.69	0.044	0.000589	22.9	0.00294	0.00789	0.000311	0.00045	0.000187	0.131	0.00000237	0.000217	0.000557	0.0016
2060 Jun	0.000274	0.00136	0.0843	0.00000769	1.94	5.79	0.0464	0.000603	23.5	0.00299	0.00812	0.000334	0.000458	0.000191	0.136	0.00000239	0.000225	0.000584	0.00162
2060 Jul	0.000275	0.00137	0.0848	0.00000773	1.95	5.81	0.0467	0.000606	23.5	0.003	0.00816	0.000336	0.00046	0.000191	0.137	0.0000024	0.000227	0.000588	0.00163
2060 Aug	0.000276	0.00137	0.085	0.00000775	1.95	5.82	0.0468	0.000608	23.6	0.00301	0.00817	0.000337	0.00046	0.000192	0.137	0.00000241	0.000227	0.000589	0.00163
2060 Sep	0.000276	0.00137	0.0854	0.00000778	1.96	5.84	0.047	0.000612	23.7	0.00302	0.0082	0.000338	0.000462	0.000192	0.138	0.00000241	0.000229	0.00059	0.00164
2060 Oct	0.000277	0.00137	0.0857	0.00000782	1.97	5.86	0.0471	0.000616	23.9	0.00303	0.00823	0.00034	0.000464	0.000193	0.139	0.00000242	0.000231	0.000592	0.00164
2060 Nov	0.000277	0.00138	0.0858	0.00000783	1.97	5.87	0.0472	0.000618	24	0.00304	0.00824	0.00034	0.000465	0.000193	0.139	0.00000242	0.000232	0.000592	0.00164
2060 Dec	0.000277	0.00138	0.0858	0.00000783	1.97	5.87	0.0472	0.000618	24	0.00304	0.00825	0.00034	0.000465	0.000194	0.139	0.00000242	0.000232	0.000592	0.00164
2061 Jan	0.000277	0.00138	0.0858	0.00000783	1.97	5.87	0.0472	0.000618	24	0.00304	0.00825	0.00034	0.000465	0.000194	0.139	0.00000242	0.000232	0.000592	0.00164
2061 Feb	0.000277	0.00138	0.0858	0.00000783	1.97	5.87	0.0472	0.000618	24	0.00304	0.00825	0.00034	0.000465	0.000194	0.139	0.00000242	0.000232	0.000592	0.00164
2061 Mar	0.000277	0.00138	0.0858	0.00000783	1.97	5.87	0.0472	0.000618	24	0.00304	0.00825	0.00034	0.000465	0.000194	0.139	0.00000242	0.000232	0.000592	0.00164
2061 Apr	0.000277	0.00138	0.0858	0.00000783	1.97	5.87	0.0472	0.000618	24	0.00304	0.00825	0.00034	0.000465	0.000194	0.139	0.00000242	0.000232	0.000592	0.00164
2061 May	0.000282	0.00139	0.0873	0.0000079	2	5.95	0.0481	0.000629	24.4	0.00308	0.00832	0.000349	0.000471	0.000196	0.141	0.00000243	0.000237	0.000601	0.00165
2061 Jun	0.000294	0.0014	0.0918	0.0000081	2.1	6.08	0.0508	0.000656	25.2	0.00317	0.00856	0.000373	0.000485	0.000202	0.149	0.00000249	0.000255	0.000629	0.00167
2061 Jul	0.000295	0.00141	0.0922	0.00000813	2.11	6.1	0.0511	0.00066	25.3	0.00318	0.0086	0.000375	0.000487	0.000203	0.15	0.0000025	0.000257	0.000632	0.00168
2061 Aug	0.000296	0.00141	0.0924	0.00000815	2.11	6.11	0.0512	0.000661	25.4	0.00319	0.00862	0.000376	0.000488	0.000203	0.15	0.00000251	0.000258	0.000633	0.00168
2061 Sep	0.000296	0.00141	0.0925	0.00000816	2.12	6.11	0.0512	0.000662	25.4	0.00319	0.00863	0.000376	0.000488	0.000203	0.15	0.00000251	0.000258	0.000633	0.00168
2061 Oct	0.000297	0.00141	0.0926	0.00000818	2.12	6.14	0.0513	0.000666	25.6	0.0032	0.00865	0.000377	0.000491	0.000204	0.151	0.00000251	0.00026	0.000634	0.00169
2061 Nov	0.000297	0.00142	0.0927	0.00000818	2.13	6.15	0.0514	0.000668	25.6	0.00321	0.00865	0.000378	0.000492	0.000205	0.151	0.00000251	0.000261	0.000635	0.00169
2061 Dec	0.000297	0.00142	0.0927	0.00000818	2.13	6.15	0.0514	0.000668	25.6	0.00321	0.00866	0.000378	0.000492	0.000205	0.151	0.00000251	0.000261	0.000635	0.00169
2062 Jan	0.000297	0.00142	0.0927	0.00000818	2.13	6.15	0.0514	0.000669	25.6	0.00321	0.00866	0.000378	0.000492	0.000205	0.151	0.00000251	0.000261	0.000635	0.00169

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2062 Feb	0.000297	0.00142	0.0927	0.00000818	2.13	6.15	0.0514	0.000669	25.6	0.00321	0.00866	0.000378	0.000492	0.000205	0.151	0.00000251	0.000261	0.000635	0.00169
2062 Mar	0.000297	0.00142	0.0927	0.00000818	2.13	6.15	0.0514	0.000669	25.6	0.00321	0.00866	0.000378	0.000492	0.000205	0.151	0.00000251	0.000261	0.000635	0.00169
2062 Apr	0.000297	0.00142	0.0927	0.00000819	2.13	6.15	0.0514	0.000669	25.7	0.00321	0.00866	0.000378	0.000492	0.000205	0.151	0.00000251	0.000261	0.000635	0.00169
2062 May	0.000297	0.00142	0.0928	0.00000819	2.13	6.16	0.0515	0.000669	25.7	0.00321	0.00866	0.000378	0.000492	0.000205	0.151	0.00000252	0.000261	0.000635	0.00169
2062 Jun	0.000296	0.00142	0.0933	0.00000832	2.16	6.17	0.0515	0.000681	26	0.00324	0.00878	0.000379	0.000498	0.000206	0.153	0.00000254	0.000269	0.000639	0.00171
2062 Jul	0.000295	0.00141	0.0937	0.0000084	2.18	6.16	0.0515	0.000691	26.1	0.00326	0.00886	0.000379	0.000503	0.000207	0.154	0.00000257	0.000277	0.000642	0.00172
2062 Aug	0.000295	0.00142	0.0938	0.00000842	2.19	6.17	0.0516	0.000693	26.1	0.00326	0.00888	0.000379	0.000504	0.000207	0.155	0.00000258	0.000278	0.000642	0.00173
2062 Sep	0.000294	0.00142	0.0938	0.00000845	2.2	6.18	0.0515	0.000698	26.3	0.00327	0.00891	0.000379	0.000506	0.000208	0.155	0.00000259	0.000281	0.000642	0.00173
2062 Oct	0.000292	0.00142	0.0936	0.00000853	2.25	6.2	0.0515	0.000723	26.6	0.00331	0.009	0.000378	0.000511	0.00021	0.158	0.00000263	0.000294	0.000638	0.00173
2062 Nov	0.000292	0.00142	0.0936	0.00000853	2.25	6.2	0.0515	0.000724	26.6	0.00331	0.00901	0.000378	0.000512	0.00021	0.158	0.00000263	0.000295	0.000638	0.00173
2062 Dec	0.000292	0.00142	0.0936	0.00000853	2.25	6.2	0.0515	0.000724	26.6	0.00331	0.00901	0.000378	0.000512	0.00021	0.158	0.00000263	0.000295	0.000638	0.00173
2063 Jan	0.000292	0.00142	0.0936	0.00000853	2.25	6.2	0.0515	0.000724	26.6	0.00331	0.00901	0.000378	0.000512	0.00021	0.158	0.00000263	0.000295	0.000638	0.00173
2063 Feb	0.000292	0.00142	0.0936	0.00000853	2.25	6.2	0.0515	0.000724	26.6	0.00331	0.00901	0.000378	0.000512	0.00021	0.158	0.00000263	0.000295	0.000638	0.00173
2063 Mar	0.000292	0.00142	0.0936	0.00000853	2.25	6.2	0.0515	0.000724	26.6	0.00331	0.00901	0.000378	0.000512	0.00021	0.158	0.00000263	0.000295	0.000638	0.00173
2063 Apr	0.000292	0.00142	0.0937	0.00000853	2.25	6.2	0.0515	0.000724	26.6	0.00331	0.00901	0.000378	0.000512	0.00021	0.158	0.00000263	0.000295	0.000638	0.00173
2063 May	0.000294	0.00142	0.0941	0.00000855	2.27	6.21	0.0517	0.000728	26.7	0.00332	0.00904	0.00038	0.000513	0.000211	0.159	0.00000264	0.000297	0.00064	0.00173
2063 Jun	0.000302	0.00141	0.0976	0.00000867	2.39	6.17	0.0538	0.000757	26.4	0.00333	0.00925	0.000397	0.000517	0.000213	0.166	0.00000272	0.000322	0.000658	0.00173
2063 Jul	0.000301	0.0014	0.0976	0.00000868	2.41	6.15	0.0538	0.000765	26.3	0.00333	0.00928	0.000397	0.000518	0.000214	0.167	0.00000275	0.000329	0.000659	0.00173
2063 Aug	0.000302	0.00141	0.0978	0.00000871	2.42	6.17	0.0539	0.000766	26.3	0.00334	0.0093	0.000398	0.000519	0.000214	0.168	0.00000275	0.00033	0.00066	0.00174
2063 Sep	0.000302	0.00141	0.0978	0.00000871	2.42	6.17	0.0539	0.000768	26.3	0.00334	0.00931	0.000398	0.00052	0.000214	0.168	0.00000276	0.00033	0.00066	0.00174
2063 Oct	0.000302	0.00141	0.0978	0.00000872	2.42	6.18	0.054	0.00077	26.4	0.00335	0.00931	0.000398	0.000521	0.000214	0.168	0.00000276	0.000331	0.00066	0.00174
2063 Nov	0.000302	0.00141	0.0978	0.00000872	2.43	6.18	0.054	0.00077	26.4	0.00335	0.00931	0.000398	0.000521	0.000215	0.168	0.00000276	0.000332	0.00066	0.00174
2063 Dec	0.000302	0.00141	0.0978	0.00000872	2.43	6.18	0.054	0.00077	26.4	0.00335	0.00931	0.000398	0.000521	0.000215	0.168	0.00000276	0.000332	0.00066	0.00174
2064 Jan	0.000302	0.00141	0.0978	0.00000872	2.43	6.18	0.054	0.00077	26.4	0.00335	0.00931	0.000398	0.000521	0.000215	0.168	0.00000276	0.000332	0.00066	0.00174
2064 Feb	0.000302	0.00141	0.0978	0.00000872	2.43	6.18	0.054	0.00077	26.4	0.00335	0.00931	0.000398	0.000521	0.000215	0.168	0.00000276	0.000332	0.00066	0.00174
2064 Mar	0.000302	0.00141	0.0978	0.00000872	2.43	6.18	0.054	0.00077	26.4	0.00335	0.00931	0.000398	0.000521	0.000215	0.168	0.00000276	0.000332	0.00066	0.00174
2064 Apr	0.000302	0.00141	0.0978	0.00000872	2.43	6.18	0.054	0.00077	26.4	0.00335	0.00932	0.000398	0.000521	0.000215	0.168	0.00000276	0.000332	0.00066	0.00174
2064 May	0.000304	0.00142	0.0985	0.00000874	2.44	6.23	0.0545	0.000777	26.7	0.00337	0.00935	0.000403	0.000525	0.000216	0.169	0.00000277	0.000335	0.000665	0.00175
2064 Jun	0.000313	0.00143	0.101	0.0000088	2.53	6.35	0.0565	0.000806	27.2	0.00343	0.00945	0.000422	0.000536	0.000221	0.175	0.00000282	0.000352	0.000684	0.00175
2064 Jul	0.000314	0.00143	0.101	0.00000882	2.54	6.36	0.0566	0.000809	27.2	0.00343	0.00947	0.000423	0.000538	0.000222	0.175	0.00000283	0.000354	0.000685	0.00176
2064 Aug	0.000314	0.00143	0.101	0.00000883	2.54	6.36	0.0567	0.000811	27.3	0.00344	0.00949	0.000423	0.000538	0.000222	0.176	0.00000283	0.000355	0.000686	0.00176
2064 Sep	0.000314	0.00143	0.101	0.00000884	2.55	6.38	0.0567	0.000815	27.4	0.00345	0.00949	0.000424	0.00054	0.000223	0.176	0.00000284	0.000357	0.000685	0.00176
2064 Oct	0.000314	0.00143	0.101	0.00000885	2.55	6.39	0.0568	0.000817	27.5	0.00345	0.0095	0.000424	0.000541	0.000223	0.176	0.00000284	0.000358	0.000685	0.00176
2064 Nov	0.000314	0.00143	0.101	0.00000885	2.55	6.4	0.0568	0.000818	27.5	0.00345	0.0095	0.000424	0.000541	0.000223	0.176	0.00000284	0.000358	0.000686	0.00176
2064 Dec	0.000314	0.00143	0.101	0.00000885	2.55	6.4	0.0568	0.000818	27.5	0.00345	0.0095	0.000424	0.000541	0.000223	0.176	0.00000284	0.000358	0.000686	0.00176
2065 Jan	0.000314	0.00143	0.101	0.00000885	2.55	6.4	0.0568	0.000818	27.5	0.00345	0.0095	0.000424	0.000541	0.000223	0.176	0.00000284	0.000358	0.000686	0.00176
2065 Feb	0.000314	0.00143	0.101	0.00000885	2.55	6.4	0.0568	0.000818	27.5	0.00345	0.0095	0.000424	0.000541	0.000223	0.176	0.00000284	0.000358	0.000686	0.00176
2065 Mar	0.000314	0.00143	0.101	0.00000885	2.55	6.4	0.0568	0.000818	27.5	0.00345	0.0095	0.000424	0.000541	0.000223	0.176	0.00000284	0.000358	0.000686	0.00176
2065 Apr	0.000314	0.00143	0.101	0.00000885	2.55	6.4	0.0568	0.000818	27.5	0.00346	0.00951	0.000424	0.000541	0.000223	0.176	0.00000284	0.000358	0.000686	0.00176
2065 May	0.000315	0.00144	0.102	0.00000887	2.56	6.44	0.0571	0.000823	27.7	0.00348	0.00952	0.000427	0.000545	0.000225	0.177	0.00000285	0.00036	0.000689	0.00177
2065 Jun	0.000322	0.00145	0.104	0.00000891	2.63	6.53	0.0585	0.000845	28.1	0.00351	0.0096	0.000441	0.000553	0.000228	0.181	0.00000288	0.000372	0.000701	0.00177
2065 Jul	0.000322	0.00145	0.104	0.00000894	2.64	6.54	0.0587	0.00085	28.1	0.00352	0.00963	0.000442	0.000555	0.000229	0.182	0.0000029	0.000376	0.000704	0.00178
2065 Aug	0.000323	0.00145	0.104	0.00000896	2.65	6.56	0.0589	0.000852	28.2	0.00353	0.00965	0.000443	0.000556	0.00023	0.182	0.00000291	0.000376	0.000705	0.00178
2065 Sep	0.000323	0.00145	0.104	0.00000896	2.65	6.57	0.0588	0.000855	28.3	0.00354	0.00965	0.000443	0.000557	0.00023	0.183	0.00000291	0.000378	0.000704	0.00178
2065 Oct	0.000321	0.00146	0.104	0.00000897	2.67	6.61	0.0587	0.000869	28.6	0.00356	0.00967	0.000442	0.000561	0.000232	0.183	0.00000292	0.000383	0.000701	0.00178
2065 Nov	0.000321	0.00146	0.104	0.00000897	2.67	6.62	0.0587	0.000872	28.6	0.00356	0.00968	0.000442	0.000562	0.000232	0.184	0.00000292	0.000384	0.0007	0.00178
2065 Dec	0.000321	0.00146	0.104	0.00000897	2.67	6.62	0.0587	0.000873	28.6	0.00357	0.00968	0.000442	0.000562	0.000232	0.184	0.00000292	0.000384	0.0007	0.00178
2066 Jan	0.000321	0.00146	0.104	0.00000897	2.67	6.62	0.0587	0.000873	28.6	0.00357	0.00968	0.000442	0.000562	0.000232	0.184	0.00000292	0.000384	0.0007	0.00178
2066 Feb	0.000321	0.00146	0.104	0.00000897	2.67	6.62	0.0587	0.000873	28.7	0.00357	0.00968	0.000442	0.000562	0.000232	0.184	0.00000292	0.000384	0.0007	0.00178
2066 Mar	0.000321	0.00146	0.104	0.00000898	2.67	6.62	0.0587	0.000873	28.7	0.00357	0.00968	0.000442	0.000562	0.000232	0.184	0.00000292	0.000384	0.000701	0.00178
2066 Apr	0.000321	0.00146	0.104	0.00000898	2.68	6.62	0.0587	0.000873	28.7	0.00357	0.00968	0.000442	0.000562	0.000232	0.184	0.00000292	0.000385	0.000701	0.00178
2066 May	0.000321	0.00146	0.104	0.00000898	2.68	6.63	0.0587	0.000874	28.7	0.00357	0.00969	0.000442	0.000562	0.000232	0.184	0.00000293	0.000385	0.000701	0.00178
2066 Jun	0.000321	0.00145	0.104	0.00000901	2.73	6.59	0.0589	0.000893	28.4	0.00356	0.00974	0.000443	0.000564	0.000233	0.186	0.00000297	0.000399	0.000701	0.00178
2066 Jul	0.000321	0.00145	0.104	0.00000903	2.76	6.59	0.059	0.0009	28.4	0.00357	0.00977	0.000444	0.000566	0.000234	0.187	0.000003	0.000404	0.000702	0.00178
2066 Aug	0.000321	0.00145	0.104	0.00000905	2.76	6.6	0.0591	0.000902	28.4	0.00358	0.0098	0.000445	0.000567	0.000234	0.188	0.000003	0.000404	0.000704	0.00179
2066 Sep	0.000321	0.00145	0.104	0.00000906	2.77	6.61	0.0591	0.000904	28.5	0.00358	0.0098	0.000445	0.000568	0.000234	0.188	0.00000301	0.000405	0.000704	0.00179
2066 Oct	0.000321	0.00146	0.104	0.00000907	2.77	6.63	0.0591	0.000907	28.6	0.00359	0.00981	0.000445	0.00057	0.000235	0.188	0.00000301	0.000406	0.000704	0.00179
2066 Nov	0.000321	0.00146	0.104	0.00000907	2.77	6.63	0.0591	0.000908	28.6	0.00359	0.00981	0.000445	0.00057	0.000235	0.188	0.00000301	0.000407	0.000704	0.00179
2066 Dec	0.000321	0.00146	0.104	0.00000907	2.77	6.63	0.0591	0.000908	28.6	0.00359	0.00981	0.000445	0.00057	0.000235	0.188	0.00000301	0.000407	0.000704	0.00179
2067 Jan	0.000321	0.00146	0.104	0.00000907	2.77	6.63	0.0591	0.000908	28.6	0.00359	0.00981	0.000445	0.00057	0.000235	0.188	0.00000301	0.000407	0.000704	0.00179
2067 Feb	0.000321	0.00146	0.104	0.00000907	2.77	6.63	0.0591	0.000908	28.6	0.00359	0.00981	0.000445	0.00057	0.000235	0.188	0.00000301	0.000407	0.000704	0.00179
2067 Mar	0.000321	0.00146	0.104	0.00000907	2.77	6.63	0.0591	0.000908	28.6	0.00359	0.00981	0.000445	0.00057	0.000235	0.188	0.00000301	0.000407	0.000704	0.00179
2067 Apr	0.000321	0.00146	0.104	0.00000907	2.77	6.64	0.0591	0.000908	28.7	0.0036	0.00981	0.000445	0.00057	0.000235	0.188	0.00000301	0.000407	0.000704	0.00179
2067 May	0.000322	0.00146	0.104	0.00000909	2.77	6.66	0.0593	0.000911	28.8	0.0036	0.00983	0.000446	0.000572	0.000236	0.189	0.00000301	0.000408	0.000705	0.00179
2067 Jun	0.000326	0.00146	0.106	0.00000913	2.79	6.69	0.0601	0.000916	28.9	0.00361	0.00988	0.000455	0.000574	0.000237	0.19	0.00000302	0.00041	0.000714	0.0018
2067 Jul	0.000327	0.00147	0.106	0.00000916	2.8	6.71	0.0603	0.000919	28.9	0.00362	0.00991	0.000456	0.000576	0.000237	0.191	0.00000303	0.000411	0.000717	0.00181
2067 Aug	0.000328	0.00147	0.107	0.00000917	2.81	6.72	0.0604	0.000921	29	0.00363	0.00993	0.000457	0.000576	0.000238	0.191	0.00000303	0.000412	0.000718	0.00181
2067 Sep	0.000328	0.00147	0.107	0.00000918	2.81	6.73	0.0604	0.000923	29	0.00363	0.00994	0.000458	0.000577	0.000238	0.191	0.00000304	0.000413	0.000718	0.00181
2067 Oct	0.000328	0.00148	0.107	0.00000919	2.81	6.76	0.0604	0.000926	29.2	0.00365	0.00994	0.000458	0.000579	0.000239	0.191	0.00000304	0.000413	0.000718	0.00181
2067 Nov	0.000328	0.00148	0.107	0.00000919	2.81	6.77	0.0605	0.000927	29.3	0.00365	0.00994	0.000458	0.00058	0.000239	0.191	0.00000304	0.000413	0.000718	0.00181
2067 Dec	0.000328	0.00148	0.107	0.00000919	2.81	6.77	0.0605	0.000927	29.3	0.00365	0.00994	0.000458	0.00058	0.000239	0.191	0.00000304	0.000413	0.000718	0.00181

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2068 Jan	0.000328	0.00148	0.107	0.00000919	2.81	6.77	0.0605	0.000927	29.3	0.00365	0.00994	0.000458	0.00058	0.000239	0.191	0.00000304	0.000413	0.000718	0.00181

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2068 Feb	0.000328	0.00148	0.107	0.00000919	2.81	6.77	0.0605	0.000927	29.3	0.00365	0.00994	0.000458	0.00058	0.000239	0.191	0.00000304	0.000413	0.000718	0.00181
2068 Mar	0.000328	0.00148	0.107	0.00000919	2.81	6.77	0.0605	0.000927	29.3	0.00365	0.00994	0.000459	0.00058	0.000239	0.191	0.00000304	0.000413	0.000718	0.00181
2068 Apr	0.000328	0.00148	0.107	0.0000092	2.81	6.77	0.0605	0.000928	29.3	0.00365	0.00995	0.000459	0.00058	0.000239	0.191	0.00000304	0.000414	0.000719	0.00181
2068 May	0.00033	0.00148	0.107	0.00000922	2.82	6.8	0.0608	0.00093	29.4	0.00366	0.00997	0.000461	0.000581	0.00024	0.192	0.00000304	0.000414	0.000722	0.00182
2068 Jun	0.000337	0.00148	0.109	0.00000924	2.9	6.82	0.0623	0.000953	29.2	0.00367	0.01	0.000475	0.000585	0.000242	0.196	0.00000309	0.00043	0.000734	0.00181
2068 Jul	0.000337	0.00148	0.11	0.00000926	2.91	6.83	0.0624	0.000959	29.3	0.00368	0.0101	0.000476	0.000587	0.000243	0.197	0.00000311	0.000433	0.000735	0.00182
2068 Aug	0.000338	0.00149	0.11	0.00000929	2.92	6.85	0.0626	0.000962	29.4	0.00369	0.0101	0.000477	0.000589	0.000244	0.198	0.00000311	0.000434	0.000737	0.00182
2068 Sep	0.000338	0.00149	0.11	0.00000929	2.92	6.86	0.0626	0.000963	29.4	0.0037	0.0101	0.000477	0.00059	0.000244	0.198	0.00000312	0.000435	0.000737	0.00182
2068 Oct	0.000338	0.00149	0.11	0.0000093	2.92	6.86	0.0626	0.000964	29.4	0.0037	0.0101	0.000478	0.00059	0.000244	0.198	0.00000312	0.000435	0.000737	0.00182
2068 Nov	0.000338	0.00149	0.11	0.0000093	2.92	6.87	0.0626	0.000964	29.4	0.0037	0.0101	0.000478	0.00059	0.000244	0.198	0.00000312	0.000436	0.000737	0.00183
2068 Dec	0.000338	0.00149	0.11	0.0000093	2.92	6.87	0.0626	0.000964	29.4	0.0037	0.0101	0.000478	0.00059	0.000244	0.198	0.00000312	0.000436	0.000737	0.00183
2069 Jan	0.000338	0.00149	0.11	0.0000093	2.92	6.87	0.0626	0.000964	29.4	0.0037	0.0101	0.000478	0.00059	0.000244	0.198	0.00000312	0.000436	0.000737	0.00183
2069 Feb	0.000338	0.00149	0.11	0.0000093	2.92	6.87	0.0626	0.000964	29.4	0.0037	0.0101	0.000478	0.00059	0.000244	0.198	0.00000312	0.000436	0.000737	0.00183
2069 Mar	0.000338	0.00149	0.11	0.0000093	2.92	6.87	0.0626	0.000964	29.4	0.0037	0.0101	0.000478	0.00059	0.000244	0.198	0.00000312	0.000436	0.000737	0.00183
2069 Apr	0.000338	0.00149	0.11	0.0000093	2.92	6.87	0.0626	0.000965	29.4	0.0037	0.0101	0.000478	0.00059	0.000244	0.198	0.00000312	0.000436	0.000737	0.00183
2069 May	0.000338	0.00149	0.11	0.00000931	2.93	6.87	0.0627	0.000966	29.5	0.0037	0.0101	0.000478	0.000591	0.000244	0.198	0.00000312	0.000436	0.000738	0.00183
2069 Jun	0.000337	0.00149	0.11	0.00000936	2.93	6.88	0.0626	0.00097	29.5	0.00371	0.0101	0.000478	0.000593	0.000245	0.198	0.00000313	0.000438	0.00074	0.00184
2069 Jul	0.000337	0.00149	0.11	0.00000939	2.94	6.88	0.0626	0.000974	29.5	0.00371	0.0102	0.000478	0.000595	0.000245	0.199	0.00000314	0.000441	0.00074	0.00184
2069 Aug	0.000337	0.00149	0.11	0.0000094	2.95	6.89	0.0627	0.000975	29.5	0.00372	0.0102	0.000479	0.000596	0.000245	0.199	0.00000315	0.000442	0.000741	0.00185
2069 Sep	0.000336	0.00149	0.11	0.00000941	2.95	6.89	0.0625	0.000979	29.6	0.00372	0.0102	0.000477	0.000597	0.000246	0.199	0.00000315	0.000443	0.000739	0.00185
2069 Oct	0.000333	0.00149	0.109	0.00000941	2.96	6.89	0.0621	0.000989	29.7	0.00372	0.0102	0.000474	0.000598	0.000246	0.199	0.00000317	0.000447	0.000734	0.00184
2069 Nov	0.000333	0.00149	0.109	0.00000942	2.97	6.89	0.062	0.000992	29.7	0.00373	0.0102	0.000473	0.000598	0.000246	0.199	0.00000317	0.000448	0.000733	0.00184
2069 Dec	0.000333	0.00149	0.109	0.00000942	2.97	6.89	0.062	0.000992	29.7	0.00373	0.0102	0.000473	0.000598	0.000246	0.199	0.00000317	0.000448	0.000733	0.00184
2070 Jan	0.000333	0.00149	0.109	0.00000942	2.97	6.89	0.062	0.000992	29.7	0.00373	0.0102	0.000473	0.000598	0.000246	0.199	0.00000317	0.000448	0.000733	0.00184
2070 Feb	0.000333	0.00149	0.109	0.00000942	2.97	6.89	0.062	0.000992	29.7	0.00373	0.0102	0.000473	0.000598	0.000246	0.199	0.00000317	0.000448	0.000733	0.00184
2070 Mar	0.000333	0.00149	0.109	0.00000942	2.97	6.89	0.062	0.000992	29.7	0.00373	0.0102	0.000473	0.000598	0.000246	0.199	0.00000317	0.000448	0.000733	0.00184
2070 Apr	0.000333	0.00149	0.109	0.00000942	2.97	6.9	0.062	0.000992	29.7	0.00373	0.0102	0.000473	0.000598	0.000246	0.199	0.00000317	0.000448	0.000733	0.00184
2070 May	0.000334	0.00149	0.11	0.00000943	2.98	6.9	0.0622	0.000994	29.7	0.00373	0.0102	0.000474	0.000598	0.000247	0.2	0.00000318	0.00045	0.000734	0.00184
2070 Jun	0.000337	0.00149	0.111	0.00000945	3.02	6.88	0.0628	0.00101	29.3	0.00372	0.0103	0.00048	0.000598	0.000247	0.202	0.00000321	0.000458	0.000739	0.00184
2070 Jul	0.000338	0.00149	0.111	0.00000947	3.03	6.89	0.063	0.00101	29.4	0.00373	0.0103	0.000481	0.000599	0.000248	0.203	0.00000322	0.000459	0.000741	0.00185
2070 Aug	0.000338	0.00149	0.111	0.00000949	3.03	6.9	0.0631	0.00101	29.4	0.00374	0.0103	0.000481	0.0006	0.000248	0.203	0.00000323	0.00046	0.000742	0.00185
2070 Sep	0.000338	0.00149	0.111	0.0000095	3.04	6.91	0.063	0.00101	29.5	0.00374	0.0103	0.000481	0.0006	0.000248	0.203	0.00000323	0.000461	0.000741	0.00185
2070 Oct	0.000337	0.00149	0.111	0.0000095	3.04	6.91	0.0629	0.00102	29.5	0.00374	0.0103	0.00048	0.0006	0.000248	0.203	0.00000323	0.000463	0.000739	0.00185
2070 Nov	0.000337	0.00149	0.111	0.00000951	3.04	6.91	0.0628	0.00102	29.5	0.00374	0.0103	0.00048	0.0006	0.000248	0.203	0.00000323	0.000463	0.000738	0.00185
2070 Dec	0.000337	0.00149	0.111	0.00000951	3.04	6.91	0.0628	0.00102	29.5	0.00374	0.0103	0.00048	0.0006	0.000248	0.203	0.00000323	0.000463	0.000738	0.00185
2071 Jan	0.000337	0.00149	0.111	0.00000951	3.04	6.91	0.0628	0.00102	29.5	0.00374	0.0103	0.00048	0.0006	0.000248	0.203	0.00000323	0.000463	0.000738	0.00185
2071 Feb	0.000337	0.00149	0.111	0.00000951	3.04	6.91	0.0628	0.00102	29.5	0.00374	0.0103	0.00048	0.0006	0.000248	0.203	0.00000323	0.000463	0.000738	0.00185
2071 Mar	0.000337	0.00149	0.111	0.00000951	3.04	6.91	0.0628	0.00102	29.5	0.00374	0.0103	0.00048	0.0006	0.000248	0.203	0.00000323	0.000463	0.000738	0.00185
2071 Apr	0.000337	0.00149	0.111	0.00000951	3.04	6.91	0.0628	0.00102	29.5	0.00374	0.0103	0.00048	0.0006	0.000248	0.203	0.00000323	0.000463	0.000738	0.00185
2071 May	0.000338	0.0015	0.111	0.00000951	3.05	6.92	0.063	0.00102	29.5	0.00374	0.0103	0.000481	0.000601	0.000249	0.204	0.00000324	0.000465	0.00074	0.00185
2071 Jun	0.000341	0.00149	0.113	0.00000952	3.12	6.88	0.0639	0.00104	29	0.00373	0.0104	0.000488	0.0006	0.000249	0.207	0.00000329	0.000478	0.000746	0.00184
2071 Jul	0.000342	0.00149	0.113	0.00000953	3.14	6.88	0.064	0.00104	28.9	0.00373	0.0104	0.000489	0.000601	0.00025	0.208	0.00000331	0.000482	0.000747	0.00184
2071 Aug	0.000342	0.00149	0.113	0.00000955	3.14	6.89	0.0641	0.00105	29	0.00374	0.0104	0.00049	0.000603	0.00025	0.208	0.00000332	0.000483	0.000748	0.00185
2071 Sep	0.000342	0.00149	0.113	0.00000955	3.14	6.89	0.064	0.00105	28.9	0.00374	0.0104	0.000489	0.000603	0.00025	0.208	0.00000332	0.000483	0.000747	0.00185
2071 Oct	0.000341	0.00149	0.113	0.00000956	3.15	6.89	0.0639	0.00105	29	0.00374	0.0104	0.000488	0.000603	0.00025	0.208	0.00000332	0.000484	0.000746	0.00185
2071 Nov	0.000341	0.00149	0.113	0.00000956	3.15	6.89	0.0639	0.00105	29	0.00374	0.0104	0.000488	0.000603	0.00025	0.208	0.00000332	0.000485	0.000745	0.00185
2071 Dec	0.000341	0.00149	0.113	0.00000956	3.15	6.89	0.0639	0.00105	29	0.00374	0.0104	0.000488	0.000603	0.00025	0.208	0.00000332	0.000485	0.000745	0.00185
2072 Jan	0.000341	0.00149	0.113	0.00000956	3.15	6.89	0.0639	0.00105	29	0.00374	0.0104	0.000488	0.000603	0.00025	0.208	0.00000332	0.000485	0.000745	0.00185
2072 Feb	0.000341	0.00149	0.113	0.00000956	3.15	6.89	0.0639	0.00105	29	0.00374	0.0104	0.000488	0.000603	0.00025	0.208	0.00000332	0.000485	0.000745	0.00185
2072 Mar	0.000341	0.00149	0.113	0.00000956	3.15	6.89	0.0639	0.00105	29	0.00374	0.0104	0.000488	0.000603	0.00025	0.208	0.00000332	0.000485	0.000745	0.00185
2072 Apr	0.000341	0.00149	0.113	0.00000956	3.15	6.89	0.0639	0.00105	29	0.00374	0.0104	0.000488	0.000603	0.00025	0.208	0.00000332	0.000485	0.000745	0.00185
2072 May	0.000341	0.00149	0.113	0.00000957	3.15	6.9	0.0639	0.00105	29	0.00374	0.0104	0.000488	0.000603	0.000251	0.208	0.00000333	0.000485	0.000746	0.00185
2072 Jun	0.000337	0.00148	0.112	0.00000959	3.15	6.84	0.0633	0.00105	28.7	0.00372	0.0104	0.000482	0.000601	0.000249	0.208	0.00000334	0.000487	0.00074	0.00185
2072 Jul	0.000336	0.00148	0.112	0.00000961	3.16	6.83	0.0632	0.00106	28.6	0.00372	0.0104	0.000481	0.000602	0.000249	0.208	0.00000335	0.000489	0.000739	0.00185
2072 Aug	0.000335	0.00148	0.112	0.00000962	3.16	6.82	0.0629	0.00106	28.6	0.00372	0.0104	0.000478	0.000601	0.000249	0.208	0.00000336	0.000491	0.000736	0.00185
2072 Sep	0.000333	0.00148	0.111	0.00000963	3.17	6.8	0.0625	0.00107	28.5	0.00371	0.0104	0.000475	0.000601	0.000249	0.208	0.00000337	0.000493	0.000731	0.00185
2072 Oct	0.00033	0.00147	0.11	0.00000962	3.19	6.78	0.0621	0.00107	28.3	0.0037	0.0104	0.000471	0.0006	0.000249	0.208	0.00000339	0.000498	0.000724	0.00184
2072 Nov	0.000329	0.00147	0.11	0.00000962	3.19	6.77	0.062	0.00108	28.3	0.0037	0.0104	0.00047	0.0006	0.000249	0.208	0.00000339	0.000499	0.000723	0.00184
2072 Dec	0.000329	0.00147	0.11	0.00000962	3.19	6.77	0.062	0.00108	28.3	0.0037	0.0104	0.00047	0.0006	0.000249	0.208	0.00000339	0.000499	0.000723	0.00184
2073 Jan	0.000329	0.00147	0.11	0.00000962	3.19	6.77	0.062	0.00108	28.3	0.0037	0.0104	0.00047	0.0006	0.000249	0.208	0.00000339	0.000499	0.000723	0.00184
2073 Feb	0.000329	0.00147	0.11	0.00000962	3.19	6.77	0.062	0.00108	28.3	0.0037	0.0104	0.00047	0.0006	0.000249	0.208	0.00000339	0.000499	0.000723	0.00184
2073 Mar	0.000329	0.00147	0.11	0.00000962	3.19	6.77	0.062	0.00108	28.3	0.0037	0.0104	0.00047	0.0006	0.000249	0.208	0.00000339	0.000499	0.000723	0.00184
2073 Apr	0.000329	0.00147	0.11	0.00000962	3.19	6.78	0.062	0.00108	28.3	0.0037	0.0104	0.00047	0.0006	0.000249	0.208	0.00000339	0.000499	0.000723	0.00184
2073 May	0.000331	0.00148	0.111	0.00000963	3.21	6.82	0.0624	0.00109	28.5	0.00372	0.0104	0.000473	0.000603	0.000251	0.209	0.0000034	0.000503	0.000726	0.00184
2073 Jun	0.000335	0.00148	0.112	0.00000963	3.27	6.87	0.0634	0.00111	28.5	0.00374	0.0105	0.000482	0.000608	0.000253	0.212	0.00000345	0.000515	0.000733	0.00184
2073 Jul	0.000336	0.00148	0.112	0.00000964	3.29	6.87	0.0636	0.00111	28.5	0.00375	0.0105	0.000483	0.000609	0.000254	0.213	0.00000346	0.000518	0.000735	0.00185
2073 Aug	0.000336	0.00148	0.112	0.00000966	3.29	6.88	0.0637	0.00111	28.5	0.00375	0.0105	0.000484	0.00061	0.000254	0.213	0.00000347	0.000519	0.000736	0.00185
2073 Sep	0.000336	0.00148	0.112	0.00000966	3.29	6.89	0.0636	0.00111	28.5	0.00375	0.0105	0.000484	0.000611	0.000254	0.214	0.00000347	0.000519	0.000736	0.00185
2073 Oct	0.000336	0.00148	0.112	0.00000966	3.3	6.89	0.0635	0.00112	28.6	0.00376	0.0105	0.000483	0.000611	0.000255	0.214	0.00000347	0.00052	0.000734	0.00185
2073 Nov	0.000335	0.00148	0.112	0.00000966	3.3	6.9	0.0635	0.00112	28.6	0.00376	0.0105	0.000483	0.000612	0.000255	0.214	0.00000347	0.000521	0.000733	0.00185
2073 Dec	0.000335	0.00148	0.112	0.00000966	3.3	6.9	0.0635	0.00112	28.6	0.00376	0.0105	0.000483	0.000612	0.000255	0.214	0.00000347	0.000521	0.000733	0.00185

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2074 Jan	0.000335	0.00148	0.112	0.00000966	3.3	6.9	0.0635	0.00112	28.6	0.00376	0.0105	0.000483	0.000612	0.000255	0.214	0.00000347	0.000521	0.000733	0.00185

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2074 Feb	0.000335	0.00148	0.112	0.00000966	3.3	6.9	0.0635	0.00112	28.6	0.00376	0.0105	0.000483	0.000612	0.000255	0.214	0.00000347	0.000521	0.000733	0.00185
2074 Mar	0.000335	0.00148	0.112	0.00000966	3.3	6.9	0.0635	0.00112	28.6	0.00376	0.0105	0.000483	0.000612	0.000255	0.214	0.00000347	0.000521	0.000733	0.00185
2074 Apr	0.000336	0.00149	0.112	0.00000967	3.3	6.9	0.0635	0.00112	28.6	0.00376	0.0105	0.000483	0.000612	0.000255	0.214	0.00000348	0.000521	0.000734	0.00185
2074 May	0.000339	0.00149	0.113	0.00000968	3.33	6.96	0.0642	0.00113	28.9	0.00379	0.0105	0.000489	0.000616	0.000257	0.215	0.00000349	0.000526	0.000739	0.00185
2074 Jun	0.000346	0.0015	0.114	0.00000965	3.41	7.03	0.0658	0.00116	28.9	0.00381	0.0105	0.000503	0.000623	0.000261	0.22	0.00000355	0.000543	0.000751	0.00185
2074 Jul	0.000346	0.0015	0.114	0.00000967	3.43	7.05	0.066	0.00116	28.9	0.00382	0.0106	0.000504	0.000625	0.000262	0.221	0.00000356	0.000546	0.000753	0.00185
2074 Aug	0.000347	0.0015	0.115	0.00000969	3.44	7.06	0.0661	0.00117	29	0.00383	0.0106	0.000506	0.000627	0.000262	0.221	0.00000357	0.000547	0.000755	0.00186
2074 Sep	0.000347	0.00151	0.114	0.00000969	3.44	7.07	0.0661	0.00117	29	0.00384	0.0106	0.000506	0.000627	0.000263	0.221	0.00000358	0.000548	0.000754	0.00186
2074 Oct	0.000347	0.00151	0.114	0.00000969	3.44	7.09	0.0662	0.00117	29.1	0.00384	0.0106	0.000506	0.000629	0.000263	0.222	0.00000358	0.000549	0.000754	0.00186
2074 Nov	0.000347	0.00151	0.114	0.00000969	3.44	7.1	0.0662	0.00117	29.2	0.00385	0.0106	0.000506	0.00063	0.000264	0.222	0.00000358	0.000549	0.000754	0.00186
2074 Dec	0.000347	0.00151	0.114	0.00000969	3.44	7.1	0.0662	0.00117	29.2	0.00385	0.0106	0.000506	0.00063	0.000264	0.222	0.00000358	0.000549	0.000754	0.00186
2075 Jan	0.000347	0.00151	0.114	0.00000969	3.44	7.1	0.0662	0.00117	29.2	0.00385	0.0106	0.000506	0.00063	0.000264	0.222	0.00000358	0.000549	0.000754	0.00186
2075 Feb	0.000347	0.00151	0.114	0.00000969	3.44	7.1	0.0662	0.00117	29.2	0.00385	0.0106	0.000506	0.00063	0.000264	0.222	0.00000358	0.000549	0.000754	0.00186
2075 Mar	0.000347	0.00151	0.114	0.00000969	3.44	7.1	0.0662	0.00117	29.2	0.00385	0.0106	0.000506	0.00063	0.000264	0.222	0.00000358	0.000549	0.000755	0.00186
2075 Apr	0.000347	0.00151	0.114	0.0000097	3.44	7.11	0.0662	0.00117	29.2	0.00385	0.0106	0.000506	0.00063	0.000264	0.222	0.00000358	0.000549	0.000755	0.00186
2075 May	0.000348	0.00151	0.115	0.00000971	3.45	7.13	0.0663	0.00118	29.3	0.00386	0.0106	0.000508	0.000632	0.000264	0.222	0.00000358	0.00055	0.000756	0.00186
2075 Jun	0.000345	0.00151	0.113	0.00000971	3.46	7.18	0.066	0.00119	29.7	0.00389	0.0106	0.000505	0.000639	0.000266	0.223	0.0000036	0.000556	0.000754	0.00187
2075 Jul	0.000343	0.00151	0.113	0.00000972	3.48	7.19	0.0658	0.0012	29.7	0.0039	0.0106	0.000503	0.000643	0.000267	0.223	0.00000362	0.000561	0.000753	0.00188
2075 Aug	0.000343	0.00152	0.113	0.00000974	3.49	7.19	0.0659	0.0012	29.7	0.0039	0.0106	0.000504	0.000643	0.000268	0.223	0.00000363	0.000562	0.000753	0.00188
2075 Sep	0.000343	0.00152	0.113	0.00000974	3.49	7.2	0.0659	0.0012	29.8	0.0039	0.0106	0.000504	0.000644	0.000268	0.224	0.00000363	0.000563	0.000754	0.00188
2075 Oct	0.000343	0.00152	0.113	0.00000974	3.49	7.21	0.0659	0.0012	29.8	0.00391	0.0106	0.000504	0.000644	0.000268	0.224	0.00000363	0.000563	0.000753	0.00188
2075 Nov	0.000343	0.00152	0.113	0.00000975	3.49	7.21	0.0659	0.0012	29.8	0.00391	0.0106	0.000504	0.000645	0.000268	0.224	0.00000363	0.000563	0.000753	0.00188
2075 Dec	0.000343	0.00152	0.113	0.00000975	3.49	7.21	0.0659	0.0012	29.8	0.00391	0.0106	0.000504	0.000645	0.000268	0.224	0.00000363	0.000564	0.000753	0.00188
2076 Jan	0.000343	0.00152	0.113	0.00000975	3.49	7.21	0.0659	0.0012	29.8	0.00391	0.0106	0.000504	0.000645	0.000268	0.224	0.00000363	0.000564	0.000753	0.00188
2076 Feb	0.000343	0.00152	0.113	0.00000975	3.49	7.21	0.0659	0.0012	29.8	0.00391	0.0106	0.000504	0.000645	0.000268	0.224	0.00000363	0.000564	0.000753	0.00188
2076 Mar	0.000343	0.00152	0.113	0.00000975	3.49	7.21	0.0659	0.0012	29.8	0.00391	0.0106	0.000504	0.000645	0.000268	0.224	0.00000363	0.000564	0.000753	0.00188
2076 Apr	0.000343	0.00152	0.113	0.00000975	3.49	7.21	0.0659	0.0012	29.8	0.00391	0.0106	0.000504	0.000645	0.000268	0.224	0.00000363	0.000564	0.000753	0.00188
2076 May	0.000344	0.00152	0.113	0.00000976	3.5	7.22	0.066	0.00121	29.9	0.00391	0.0106	0.000505	0.000645	0.000268	0.224	0.00000364	0.000564	0.000755	0.00188
2076 Jun	0.000348	0.00151	0.115	0.00000976	3.52	7.18	0.0667	0.00121	29.4	0.00389	0.0106	0.000512	0.000643	0.000268	0.225	0.00000365	0.000567	0.000762	0.00188
2076 Jul	0.000348	0.00151	0.115	0.00000977	3.54	7.18	0.0668	0.00121	29.4	0.00389	0.0106	0.000513	0.000644	0.000268	0.226	0.00000367	0.000571	0.000763	0.00189
2076 Aug	0.000349	0.00152	0.115	0.00000979	3.54	7.2	0.067	0.00122	29.4	0.0039	0.0106	0.000514	0.000645	0.000269	0.226	0.00000368	0.000572	0.000764	0.00189
2076 Sep	0.000349	0.00152	0.115	0.0000098	3.55	7.2	0.067	0.00122	29.4	0.0039	0.0106	0.000514	0.000646	0.000269	0.226	0.00000368	0.000573	0.000765	0.00189
2076 Oct	0.000348	0.00152	0.115	0.00000979	3.55	7.21	0.0669	0.00122	29.5	0.0039	0.0106	0.000513	0.000646	0.000269	0.226	0.00000368	0.000573	0.000764	0.00189
2076 Nov	0.000348	0.00152	0.115	0.00000979	3.55	7.21	0.0669	0.00122	29.5	0.00391	0.0106	0.000513	0.000646	0.000269	0.226	0.00000368	0.000573	0.000764	0.00189
2076 Dec	0.000348	0.00152	0.115	0.00000979	3.55	7.21	0.0669	0.00122	29.5	0.00391	0.0106	0.000513	0.000647	0.000269	0.226	0.00000368	0.000573	0.000764	0.00189
2077 Jan	0.000348	0.00152	0.115	0.00000979	3.55	7.21	0.0669	0.00122	29.5	0.00391	0.0106	0.000513	0.000647	0.000269	0.226	0.00000368	0.000573	0.000764	0.00189
2077 Feb	0.000348	0.00152	0.115	0.00000979	3.55	7.21	0.0669	0.00122	29.5	0.00391	0.0106	0.000513	0.000647	0.000269	0.226	0.00000368	0.000573	0.000764	0.00189
2077 Mar	0.000348	0.00152	0.115	0.00000979	3.55	7.21	0.0669	0.00122	29.5	0.00391	0.0106	0.000513	0.000647	0.000269	0.226	0.00000368	0.000573	0.000764	0.00189
2077 Apr	0.000348	0.00152	0.115	0.0000098	3.55	7.21	0.0669	0.00122	29.5	0.00391	0.0106	0.000514	0.000647	0.000269	0.226	0.00000368	0.000573	0.000764	0.00189
2077 May	0.000349	0.00152	0.115	0.0000098	3.55	7.22	0.0671	0.00122	29.5	0.00391	0.0106	0.000515	0.000647	0.00027	0.227	0.00000369	0.000574	0.000766	0.00189
2077 Jun	0.000353	0.00152	0.116	0.00000979	3.59	7.23	0.068	0.00123	29.3	0.00391	0.0106	0.000523	0.000648	0.000271	0.229	0.00000372	0.000581	0.000772	0.00189
2077 Jul	0.000354	0.00152	0.117	0.00000981	3.6	7.25	0.0681	0.00124	29.4	0.00392	0.0107	0.000524	0.00065	0.000272	0.229	0.00000373	0.000583	0.000774	0.00189
2077 Aug	0.000355	0.00152	0.117	0.00000984	3.61	7.26	0.0683	0.00124	29.5	0.00393	0.0107	0.000525	0.000652	0.000272	0.23	0.00000374	0.000585	0.000776	0.0019
2077 Sep	0.000354	0.00152	0.117	0.00000983	3.61	7.26	0.0681	0.00124	29.4	0.00393	0.0107	0.000524	0.000651	0.000272	0.23	0.00000373	0.000584	0.000774	0.0019
2077 Oct	0.000353	0.00152	0.116	0.00000984	3.61	7.26	0.068	0.00124	29.5	0.00393	0.0107	0.000523	0.000651	0.000272	0.23	0.00000373	0.000584	0.000773	0.0019
2077 Nov	0.000353	0.00152	0.116	0.00000984	3.61	7.26	0.068	0.00124	29.5	0.00393	0.0107	0.000523	0.000651	0.000272	0.23	0.00000374	0.000584	0.000773	0.0019
2077 Dec	0.000353	0.00152	0.117	0.00000984	3.61	7.26	0.068	0.00124	29.5	0.00393	0.0107	0.000523	0.000651	0.000272	0.23	0.00000374	0.000585	0.000773	0.0019
2078 Jan	0.000353	0.00152	0.117	0.00000984	3.61	7.26	0.068	0.00124	29.5	0.00393	0.0107	0.000523	0.000651	0.000272	0.23	0.00000374	0.000585	0.000773	0.0019
2078 Feb	0.000353	0.00152	0.117	0.00000984	3.61	7.26	0.068	0.00124	29.5	0.00393	0.0107	0.000523	0.000651	0.000272	0.23	0.00000374	0.000585	0.000773	0.0019
2078 Mar	0.000353	0.00152	0.117	0.00000984	3.61	7.26	0.068	0.00124	29.5	0.00393	0.0107	0.000523	0.000651	0.000272	0.23	0.00000374	0.000585	0.000773	0.0019
2078 Apr	0.000353	0.00152	0.117	0.00000984	3.61	7.26	0.068	0.00124	29.5	0.00393	0.0107	0.000523	0.000651	0.000272	0.23	0.00000374	0.000585	0.000773	0.0019
2078 May	0.000357	0.00153	0.117	0.00000985	3.63	7.31	0.0687	0.00125	29.6	0.00394	0.0107	0.000529	0.000654	0.000274	0.231	0.00000375	0.000588	0.000779	0.0019
2078 Jun	0.000362	0.00153	0.119	0.00000984	3.69	7.33	0.0698	0.00127	29.4	0.00395	0.0107	0.000539	0.000657	0.000276	0.234	0.00000379	0.000599	0.000787	0.0019
2078 Jul	0.000363	0.00153	0.119	0.00000986	3.7	7.35	0.07	0.00127	29.5	0.00396	0.0107	0.00054	0.000659	0.000276	0.235	0.0000038	0.000601	0.000789	0.0019
2078 Aug	0.000363	0.00154	0.119	0.00000988	3.71	7.35	0.0701	0.00127	29.5	0.00397	0.0108	0.000541	0.000659	0.000277	0.235	0.00000381	0.000602	0.00079	0.0019
2078 Sep	0.000363	0.00154	0.119	0.00000988	3.71	7.36	0.0701	0.00127	29.5	0.00397	0.0108	0.000541	0.00066	0.000277	0.235	0.00000381	0.000603	0.000791	0.00191
2078 Oct	0.000364	0.00154	0.119	0.00000989	3.71	7.38	0.0702	0.00128	29.6	0.00398	0.0108	0.000542	0.000661	0.000277	0.235	0.00000382	0.000603	0.000791	0.00191
2078 Nov	0.000364	0.00154	0.119	0.00000989	3.71	7.38	0.0702	0.00128	29.6	0.00398	0.0108	0.000542	0.000661	0.000278	0.235	0.00000382	0.000603	0.000791	0.00191
2078 Dec	0.000364	0.00154	0.119	0.00000989	3.71	7.38	0.0702	0.00128	29.6	0.00398	0.0108	0.000542	0.000661	0.000278	0.235	0.00000382	0.000603	0.000791	0.00191
2079 Jan	0.000364	0.00154	0.119	0.00000989	3.71	7.38	0.0702	0.00128	29.6	0.00398	0.0108	0.000542	0.000661	0.000278	0.235	0.00000382	0.000603	0.000791	0.00191
2079 Feb	0.000364	0.00154	0.119	0.00000989	3.71	7.38	0.0702	0.00128	29.6	0.00398	0.0108	0.000542	0.000661	0.000278	0.235	0.00000382	0.000603	0.000791	0.00191
2079 Mar	0.000364	0.00154	0.119	0.00000989	3.71	7.38	0.0702	0.00128	29.6	0.00398	0.0108	0.000542	0.000661	0.000278	0.235	0.00000382	0.000603	0.000791	0.00191
2079 Apr	0.000364	0.00154	0.119	0.00000989	3.71	7.38	0.0702	0.00128	29.7	0.00398	0.0108	0.000542	0.000662	0.000278	0.236	0.00000382	0.000603	0.000791	0.00191
2079 May	0.000364	0.00154	0.119	0.0000099	3.72	7.39	0.0703	0.00128	29.7	0.00398	0.0108	0.000543	0.000662	0.000278	0.236	0.00000382	0.000604	0.000792	0.00191
2079 Jun	0.000363	0.00154	0.119	0.0000099	3.73	7.39	0.0703	0.00128	29.6	0.00398	0.0107	0.000544	0.000664	0.000278	0.236	0.00000384	0.000607	0.000793	0.00191
2079 Jul	0.000362	0.00153	0.119	0.0000099	3.75	7.38	0.0702	0.00129	29.5	0.00398	0.0107	0.000543	0.000666	0.000279	0.237	0.00000386	0.000612	0.000792	0.00192
2079 Aug	0.000363	0.00154	0.119	0.00000992	3.76	7.39	0.0703	0.00129	29.6	0.00399	0.0108	0.000543	0.000667	0.000279	0.237	0.00000386	0.000613	0.000793	0.00192
2079 Sep	0.000362	0.00154	0.119	0.00000992	3.76	7.4	0.0702	0.0013	29.6	0.00399	0.0108	0.000543	0.000667	0.000279	0.237	0.00000387	0.000614	0.000792	0.00192
2079 Oct	0.000361	0.00154	0.119	0.00000992	3.76	7.4	0.07	0.0013	29.6	0.00399	0.0108	0.000541	0.000668	0.00028	0.237	0.00000387	0.000615	0.00079	0.00192
2079 Nov	0.000361	0.00154	0.119	0.00000992	3.76	7.4	0.0699	0.0013	29.7	0.004	0.0108	0.00054	0.000668	0.00028	0.237	0.00000387	0.000615	0.000789	0.00192
2079 Dec	0.00036	0.00154	0.118	0.00000992	3.76	7.41	0.0699	0.0013	29.7	0.004	0.0108	0.00054	0.000669	0.00028	0.237	0.00000387	0.000616	0.000788	0.00192

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2080 Jan	0.00036	0.00154	0.118	0.00000992	3.76	7.41	0.0699	0.0013	29.7	0.004	0.0108	0.00054	0.000669	0.00028	0.237	0.00000387	0.000616	0.000788	0.00192
2080 Feb	0.00036	0.00154	0.118	0.00000992	3.76	7.41	0.0699	0.0013	29.7	0.004	0.0108	0.00054	0.000669	0.00028	0.237	0.00000387	0.000616	0.000788	0.00192
2080 Mar	0.00036	0.00154	0.118	0.00000992	3.76	7.41	0.0699	0.0013	29.7	0.004	0.0108	0.00054	0.000669	0.00028	0.237	0.00000387	0.000616	0.000788	0.00192
2080 Apr	0.00036	0.00154	0.118	0.00000992	3.76	7.41	0.0699	0.0013	29.7	0.004	0.0108	0.00054	0.000669	0.00028	0.237	0.00000387	0.000616	0.000788	0.00192
2080 May	0.000361	0.00154	0.119	0.00000993	3.77	7.41	0.0699	0.0013	29.7	0.004	0.0108	0.00054	0.000669	0.00028	0.237	0.00000388	0.000617	0.000789	0.00192
2080 Jun	0.000356	0.00153	0.117	0.00000994	3.77	7.36	0.0692	0.00131	29.4	0.00398	0.0107	0.000533	0.000668	0.000279	0.237	0.0000039	0.00062	0.000782	0.00192
2080 Jul	0.000353	0.00153	0.117	0.00000994	3.78	7.34	0.0688	0.00131	29.3	0.00398	0.0107	0.00053	0.000669	0.000279	0.237	0.00000391	0.000624	0.000778	0.00192
2080 Aug	0.000354	0.00153	0.117	0.00000996	3.79	7.34	0.0688	0.00132	29.3	0.00398	0.0108	0.00053	0.00067	0.000279	0.237	0.00000392	0.000625	0.000779	0.00193
2080 Sep	0.000353	0.00153	0.117	0.00000996	3.79	7.34	0.0687	0.00132	29.3	0.00398	0.0107	0.000528	0.00067	0.000279	0.237	0.00000392	0.000626	0.000777	0.00193
2080 Oct	0.000351	0.00153	0.116	0.00000996	3.79	7.33	0.0684	0.00132	29.3	0.00398	0.0107	0.000526	0.00067	0.00028	0.237	0.00000393	0.000627	0.000773	0.00192
2080 Nov	0.00035	0.00153	0.116	0.00000996	3.8	7.34	0.0683	0.00133	29.3	0.00398	0.0107	0.000525	0.00067	0.00028	0.237	0.00000394	0.000628	0.000771	0.00192
2080 Dec	0.00035	0.00153	0.116	0.00000996	3.8	7.34	0.0683	0.00133	29.3	0.00398	0.0107	0.000525	0.00067	0.00028	0.237	0.00000394	0.000628	0.000771	0.00192
2081 Jan	0.00035	0.00153	0.116	0.00000996	3.8	7.34	0.0683	0.00133	29.3	0.00398	0.0107	0.000525	0.00067	0.00028	0.237	0.00000394	0.000628	0.000771	0.00192
2081 Feb	0.00035	0.00153	0.116	0.00000996	3.8	7.34	0.0683	0.00133	29.3	0.00398	0.0107	0.000525	0.00067	0.00028	0.237	0.00000394	0.000628	0.000771	0.00192
2081 Mar	0.00035	0.00153	0.116	0.00000996	3.8	7.34	0.0683	0.00133	29.3	0.00398	0.0107	0.000525	0.00067	0.00028	0.237	0.00000394	0.000628	0.000771	0.00192
2081 Apr	0.00035	0.00153	0.116	0.00000996	3.8	7.34	0.0683	0.00133	29.3	0.00398	0.0107	0.000525	0.00067	0.00028	0.237	0.00000394	0.000629	0.000772	0.00192
2081 May	0.000351	0.00153	0.116	0.00000997	3.81	7.34	0.0685	0.00133	29.3	0.00399	0.0108	0.000527	0.000671	0.00028	0.238	0.00000395	0.000631	0.000773	0.00192
2081 Jun	0.000354	0.00152	0.117	0.00000996	3.85	7.33	0.0691	0.00134	28.9	0.00398	0.0108	0.000531	0.00067	0.000281	0.239	0.00000398	0.000638	0.000776	0.00192
2081 Jul	0.000355	0.00153	0.117	0.00000999	3.87	7.35	0.0693	0.00135	29	0.00399	0.0108	0.000533	0.000672	0.000282	0.24	0.000004	0.000641	0.000779	0.00192
2081 Aug	0.000356	0.00153	0.118	0.00001	3.88	7.37	0.0695	0.00135	29.1	0.004	0.0108	0.000534	0.000674	0.000282	0.241	0.00000401	0.000643	0.000781	0.00193
2081 Sep	0.000356	0.00153	0.118	0.00001	3.88	7.37	0.0695	0.00135	29.1	0.004	0.0108	0.000534	0.000674	0.000282	0.241	0.00000401	0.000643	0.000781	0.00193
2081 Oct	0.000356	0.00153	0.118	0.00001	3.88	7.37	0.0695	0.00135	29.1	0.004	0.0108	0.000534	0.000674	0.000283	0.241	0.00000401	0.000643	0.000781	0.00193
2081 Nov	0.000356	0.00153	0.118	0.00001	3.88	7.38	0.0695	0.00135	29.1	0.004	0.0108	0.000534	0.000675	0.000283	0.241	0.00000401	0.000644	0.000781	0.00193
2081 Dec	0.000356	0.00153	0.118	0.00001	3.88	7.38	0.0695	0.00135	29.1	0.004	0.0108	0.000534	0.000675	0.000283	0.241	0.00000401	0.000644	0.000781	0.00193
2082 Jan	0.000356	0.00153	0.118	0.00001	3.88	7.38	0.0695	0.00135	29.1	0.004	0.0108	0.000534	0.000675	0.000283	0.241	0.00000401	0.000644	0.000781	0.00193
2082 Feb	0.000356	0.00153	0.118	0.00001	3.88	7.38	0.0695	0.00135	29.1	0.004	0.0108	0.000534	0.000675	0.000283	0.241	0.00000401	0.000644	0.000781	0.00193
2082 Mar	0.000356	0.00153	0.118	0.00001	3.88	7.38	0.0695	0.00135	29.1	0.004	0.0108	0.000534	0.000675	0.000283	0.241	0.00000401	0.000644	0.000781	0.00193
2082 Apr	0.000356	0.00153	0.118	0.00001	3.88	7.38	0.0695	0.00135	29.1	0.004	0.0108	0.000535	0.000675	0.000283	0.241	0.00000401	0.000644	0.000781	0.00193
2082 May	0.000356	0.00153	0.118	0.00001	3.88	7.38	0.0696	0.00135	29.1	0.00401	0.0108	0.000535	0.000675	0.000283	0.241	0.00000402	0.000644	0.000781	0.00193
2082 Jun	0.000352	0.00153	0.117	0.00001	3.88	7.39	0.0689	0.00136	29.3	0.00401	0.0108	0.00053	0.000679	0.000283	0.24	0.00000402	0.000645	0.000778	0.00194
2082 Jul	0.000348	0.00152	0.116	0.00001	3.89	7.37	0.0684	0.00137	29.2	0.00401	0.0108	0.000525	0.000682	0.000284	0.24	0.00000404	0.00065	0.000774	0.00195
2082 Aug	0.000349	0.00153	0.116	0.0000101	3.9	7.39	0.0685	0.00137	29.2	0.00402	0.0108	0.000526	0.000683	0.000284	0.241	0.00000405	0.000652	0.000775	0.00195
2082 Sep	0.000349	0.00153	0.116	0.0000101	3.9	7.39	0.0685	0.00137	29.2	0.00402	0.0108	0.000526	0.000683	0.000284	0.241	0.00000405	0.000652	0.000775	0.00195
2082 Oct	0.000347	0.00153	0.115	0.0000101	3.9	7.38	0.0683	0.00137	29.2	0.00401	0.0108	0.000524	0.000682	0.000284	0.24	0.00000405	0.000652	0.000772	0.00195
2082 Nov	0.000347	0.00153	0.115	0.0000101	3.9	7.38	0.0682	0.00137	29.2	0.00402	0.0108	0.000524	0.000683	0.000284	0.24	0.00000405	0.000652	0.000772	0.00195
2082 Dec	0.000347	0.00153	0.115	0.0000101	3.9	7.38	0.0682	0.00137	29.2	0.00402	0.0108	0.000524	0.000683	0.000284	0.24	0.00000405	0.000652	0.000772	0.00195
2083 Jan	0.000347	0.00153	0.115	0.0000101	3.9	7.38	0.0682	0.00137	29.2	0.00402	0.0108	0.000524	0.000683	0.000284	0.24	0.00000405	0.000652	0.000772	0.00195
2083 Feb	0.000347	0.00153	0.115	0.0000101	3.9	7.38	0.0682	0.00137	29.2	0.00402	0.0108	0.000524	0.000683	0.000284	0.24	0.00000405	0.000652	0.000772	0.00195
2083 Mar	0.000347	0.00153	0.115	0.0000101	3.9	7.38	0.0683	0.00137	29.2	0.00402	0.0108	0.000524	0.000683	0.000284	0.24	0.00000405	0.000652	0.000772	0.00195
2083 Apr	0.000347	0.00153	0.116	0.0000101	3.9	7.38	0.0683	0.00137	29.2	0.00402	0.0108	0.000524	0.000683	0.000284	0.24	0.00000405	0.000652	0.000772	0.00195
2083 May	0.000349	0.00153	0.116	0.0000101	3.91	7.43	0.0686	0.00138	29.4	0.00403	0.0108	0.000527	0.000686	0.000285	0.241	0.00000406	0.000654	0.000775	0.00195
2083 Jun	0.000354	0.00154	0.117	0.00001	3.97	7.48	0.0697	0.0014	29.4	0.00405	0.0108	0.000537	0.000691	0.000288	0.244	0.0000041	0.000665	0.000784	0.00195
2083 Jul	0.000354	0.00154	0.117	0.0000101	3.99	7.49	0.0698	0.00141	29.4	0.00406	0.0108	0.000538	0.000693	0.000289	0.245	0.00000412	0.00067	0.000785	0.00196
2083 Aug	0.000354	0.00154	0.117	0.0000101	4	7.49	0.0699	0.00141	29.4	0.00407	0.0108	0.000538	0.000694	0.000289	0.246	0.00000413	0.000672	0.000785	0.00196
2083 Sep	0.000354	0.00154	0.117	0.0000101	4	7.5	0.0698	0.00141	29.5	0.00407	0.0108	0.000537	0.000695	0.00029	0.246	0.00000414	0.000673	0.000783	0.00196
2083 Oct	0.000352	0.00154	0.116	0.0000101	4.01	7.51	0.0695	0.00142	29.5	0.00408	0.0108	0.000535	0.000696	0.00029	0.246	0.00000415	0.000676	0.000779	0.00195
2083 Nov	0.000351	0.00154	0.116	0.0000101	4.02	7.51	0.0694	0.00142	29.5	0.00408	0.0108	0.000534	0.000696	0.000291	0.246	0.00000416	0.000678	0.000777	0.00195
2083 Dec	0.000351	0.00154	0.116	0.0000101	4.02	7.51	0.0694	0.00142	29.5	0.00408	0.0108	0.000534	0.000696	0.000291	0.246	0.00000416	0.000678	0.000777	0.00195
2084 Jan	0.000351	0.00154	0.116	0.0000101	4.02	7.51	0.0694	0.00142	29.5	0.00408	0.0108	0.000534	0.000696	0.000291	0.246	0.00000416	0.000678	0.000777	0.00195
2084 Feb	0.000351	0.00154	0.116	0.0000101	4.02	7.51	0.0694	0.00142	29.5	0.00408	0.0108	0.000534	0.000696	0.000291	0.246	0.00000416	0.000678	0.000777	0.00195
2084 Mar	0.000351	0.00154	0.116	0.0000101	4.02	7.51	0.0694	0.00142	29.5	0.00408	0.0108	0.000534	0.000696	0.000291	0.246	0.00000416	0.000678	0.000777	0.00195
2084 Apr	0.000351	0.00154	0.116	0.0000101	4.02	7.52	0.0694	0.00142	29.6	0.00408	0.0108	0.000534	0.000697	0.000291	0.246	0.00000416	0.000678	0.000777	0.00195
2084 May	0.000353	0.00155	0.117	0.0000101	4.04	7.54	0.0698	0.00143	29.6	0.00409	0.0108	0.000538	0.000698	0.000292	0.247	0.00000417	0.000681	0.000781	0.00195
2084 Jun	0.000358	0.00154	0.118	0.00001	4.1	7.54	0.0708	0.00145	29.2	0.00409	0.0108	0.000546	0.000699	0.000293	0.25	0.00000422	0.000694	0.000786	0.00194
2084 Jul	0.000358	0.00154	0.118	0.00001	4.12	7.55	0.071	0.00146	29.2	0.0041	0.0108	0.000547	0.000701	0.000294	0.251	0.00000424	0.000698	0.000788	0.00195
2084 Aug	0.000359	0.00155	0.118	0.0000101	4.13	7.56	0.0711	0.00146	29.3	0.0041	0.0108	0.000548	0.000702	0.000295	0.252	0.00000425	0.000699	0.000789	0.00195
2084 Sep	0.000359	0.00155	0.118	0.0000101	4.13	7.56	0.0711	0.00146	29.3	0.0041	0.0108	0.000548	0.000702	0.000295	0.252	0.00000425	0.000699	0.000788	0.00195
2084 Oct	0.000358	0.00155	0.118	0.0000101	4.13	7.58	0.071	0.00146	29.4	0.00411	0.0108	0.000547	0.000703	0.000295	0.252	0.00000425	0.0007	0.000787	0.00195
2084 Nov	0.000358	0.00155	0.118	0.0000101	4.13	7.58	0.071	0.00147	29.4	0.00411	0.0108	0.000547	0.000703	0.000295	0.252	0.00000425	0.0007	0.000786	0.00195
2084 Dec	0.000358	0.00155	0.118	0.0000101	4.13	7.58	0.071	0.00147	29.4	0.00411	0.0108	0.000547	0.000704	0.000295	0.252	0.00000425	0.0007	0.000786	0.00195
2085 Jan	0.000358	0.00155	0.118	0.0000101	4.13	7.58	0.071	0.00147	29.4	0.00411	0.0108	0.000547	0.000704	0.000295	0.252	0.00000425	0.0007	0.000786	0.00195
2085 Feb	0.000358	0.00155	0.118	0.0000101	4.13	7.58	0.071	0.00147	29.4	0.00411	0.0108	0.000547	0.000704	0.000295	0.252	0.00000425	0.0007	0.000786	0.00195
2085 Mar	0.000358	0.00155	0.118	0.0000101	4.13	7.58	0.071	0.00147	29.4	0.00411	0.0108	0.000547	0.000704	0.000295	0.252	0.00000425	0.0007	0.000786	0.00195
2085 Apr	0.000358	0.00155	0.118	0.0000101	4.13	7.58	0.071	0.00147	29.4	0.00411	0.0108	0.000547	0.000704	0.000295	0.252	0.00000425	0.000701	0.000786	0.00195
2085 May	0.000359	0.00155	0.118	0.0000101	4.14	7.61	0.0713	0.00147	29.5	0.00412	0.0108	0.000549	0.000705	0.000296	0.252	0.00000426	0.000702	0.000789	0.00195
2085 Jun	0.000362	0.00155	0.119	0.0000101	4.16	7.63	0.0719	0.00148	29.5	0.00413	0.0108	0.000555	0.000706	0.000297	0.254	0.00000427	0.000706	0.000793	0.00195
2085 Jul	0.000363	0.00156	0.119	0.0000101	4.17	7.65	0.072	0.00148	29.5	0.00414	0.0109	0.000556	0.000708	0.000298	0.254	0.00000428	0.000708	0.000795	0.00195
2085 Aug	0.000363	0.00156	0.119	0.0000101	4.18	7.66	0.0721	0.00148	29.6	0.00414	0.0109	0.000556	0.000708	0.000298	0.255	0.00000429	0.000708	0.000796	0.00195
2085 Sep	0.000363	0.00156	0.119	0.0000101	4.18	7.67	0.0721	0.00149	29.7	0.00415	0.0109	0.000557	0.000709	0.000299	0.255	0.00000429	0.000709	0.000794	0.00195
2085 Oct	0.000363	0.00156	0.119	0.0000101	4.19	7.7	0.072	0.00149	29.8	0.00416	0.0108	0.000556	0.000711	0.0003	0.255	0.0000043	0.000712	0.000792	0.00195
2085 Nov	0.000362	0.00157	0.118	0.0000101	4.2	7.71	0.072	0.0015	29.9	0.00416	0.0108	0.000556	0.000712	0.0003	0.255	0.0000043	0.000714	0.000791	0.00195

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2085 Dec	0.000362	0.00157	0.118	0.0000101	4.2	7.71	0.072	0.0015	29.9	0.00416	0.0108	0.000556	0.000712	0.0003	0.255	0.0000043	0.000714	0.000791	0.00195

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2086 Jan	0.000362	0.00157	0.118	0.0000101	4.2	7.71	0.072	0.0015	29.9	0.00416	0.0108	0.000556	0.000712	0.0003	0.255	0.0000043	0.000714	0.000791	0.00195
2086 Feb	0.000362	0.00157	0.118	0.0000101	4.2	7.71	0.072	0.0015	29.9	0.00416	0.0108	0.000556	0.000712	0.0003	0.255	0.0000043	0.000714	0.000791	0.00195
2086 Mar	0.000362	0.00157	0.118	0.0000101	4.2	7.71	0.072	0.0015	29.9	0.00416	0.0108	0.000556	0.000712	0.0003	0.255	0.0000043	0.000714	0.000791	0.00195
2086 Apr	0.000362	0.00157	0.118	0.0000101	4.2	7.72	0.072	0.0015	29.9	0.00417	0.0108	0.000556	0.000713	0.0003	0.256	0.00000431	0.000714	0.000791	0.00195
2086 May	0.000363	0.00157	0.119	0.0000101	4.2	7.73	0.0721	0.0015	29.9	0.00417	0.0109	0.000557	0.000714	0.000301	0.256	0.00000431	0.000715	0.000792	0.00195
2086 Jun	0.000366	0.00157	0.119	0.0000101	4.26	7.75	0.0728	0.00152	29.7	0.00418	0.0108	0.000563	0.000717	0.000303	0.259	0.00000436	0.000728	0.000796	0.00194
2086 Jul	0.000366	0.00157	0.119	0.0000101	4.29	7.75	0.073	0.00153	29.7	0.00419	0.0108	0.000564	0.000719	0.000304	0.26	0.00000439	0.000734	0.000797	0.00194
2086 Aug	0.000366	0.00157	0.119	0.0000101	4.3	7.76	0.0731	0.00154	29.7	0.00419	0.0109	0.000564	0.00072	0.000304	0.26	0.0000044	0.000736	0.000798	0.00195
2086 Sep	0.000366	0.00157	0.119	0.0000101	4.3	7.77	0.073	0.00154	29.8	0.0042	0.0108	0.000564	0.000721	0.000305	0.26	0.0000044	0.000736	0.000796	0.00195
2086 Oct	0.000366	0.00157	0.119	0.0000101	4.3	7.78	0.0729	0.00154	29.9	0.0042	0.0108	0.000563	0.000722	0.000305	0.26	0.0000044	0.000736	0.000796	0.00195
2086 Nov	0.000366	0.00157	0.119	0.0000101	4.3	7.79	0.073	0.00154	29.9	0.0042	0.0108	0.000563	0.000722	0.000305	0.26	0.0000044	0.000737	0.000796	0.00195
2086 Dec	0.000366	0.00157	0.119	0.0000101	4.3	7.79	0.073	0.00154	29.9	0.0042	0.0108	0.000563	0.000722	0.000305	0.26	0.0000044	0.000737	0.000796	0.00195
2087 Jan	0.000366	0.00157	0.119	0.0000101	4.3	7.79	0.073	0.00154	29.9	0.0042	0.0108	0.000563	0.000722	0.000305	0.26	0.0000044	0.000737	0.000796	0.00195
2087 Feb	0.000366	0.00157	0.119	0.0000101	4.3	7.79	0.073	0.00154	29.9	0.0042	0.0108	0.000563	0.000722	0.000305	0.26	0.0000044	0.000737	0.000796	0.00195
2087 Mar	0.000366	0.00157	0.119	0.0000101	4.3	7.79	0.073	0.00154	29.9	0.0042	0.0108	0.000563	0.000722	0.000305	0.26	0.0000044	0.000737	0.000796	0.00195
2087 Apr	0.000366	0.00157	0.119	0.0000101	4.3	7.79	0.073	0.00154	29.9	0.0042	0.0108	0.000564	0.000722	0.000305	0.26	0.0000044	0.000737	0.000796	0.00195
2087 May	0.000366	0.00157	0.119	0.0000101	4.31	7.8	0.0731	0.00154	29.9	0.00421	0.0109	0.000565	0.000723	0.000306	0.261	0.0000044	0.000737	0.000797	0.00195
2087 Jun	0.000369	0.00158	0.12	0.0000101	4.33	7.82	0.0737	0.00155	29.9	0.00421	0.0108	0.00057	0.000724	0.000307	0.262	0.00000442	0.000741	0.000801	0.00194
2087 Jul	0.00037	0.00158	0.12	0.0000101	4.34	7.83	0.0738	0.00156	29.9	0.00422	0.0109	0.000571	0.000725	0.000307	0.262	0.00000443	0.000743	0.000802	0.00195
2087 Aug	0.00037	0.00158	0.12	0.0000101	4.35	7.84	0.0739	0.00156	30	0.00423	0.0109	0.000572	0.000726	0.000308	0.263	0.00000444	0.000744	0.000804	0.00195
2087 Sep	0.000371	0.00158	0.12	0.0000101	4.35	7.85	0.074	0.00156	30	0.00423	0.0109	0.000572	0.000727	0.000308	0.263	0.00000444	0.000745	0.000804	0.00195
2087 Oct	0.000371	0.00158	0.12	0.0000101	4.35	7.86	0.074	0.00156	30	0.00423	0.0109	0.000573	0.000728	0.000308	0.263	0.00000444	0.000745	0.000804	0.00195
2087 Nov	0.000371	0.00158	0.12	0.0000101	4.35	7.87	0.074	0.00156	30.1	0.00424	0.0109	0.000573	0.000728	0.000308	0.263	0.00000444	0.000745	0.000804	0.00195
2087 Dec	0.000371	0.00158	0.12	0.0000101	4.35	7.87	0.074	0.00156	30.1	0.00424	0.0109	0.000573	0.000728	0.000308	0.263	0.00000444	0.000745	0.000804	0.00195
2088 Jan	0.000371	0.00158	0.12	0.0000101	4.35	7.87	0.074	0.00156	30.1	0.00424	0.0109	0.000573	0.000728	0.000308	0.263	0.00000444	0.000745	0.000804	0.00195
2088 Feb	0.000371	0.00158	0.12	0.0000101	4.35	7.87	0.074	0.00156	30.1	0.00424	0.0109	0.000573	0.000728	0.000308	0.263	0.00000444	0.000745	0.000804	0.00195
2088 Mar	0.000371	0.00158	0.12	0.0000101	4.35	7.87	0.074	0.00156	30.1	0.00424	0.0109	0.000573	0.000728	0.000308	0.263	0.00000444	0.000745	0.000804	0.00195
2088 Apr	0.000371	0.00159	0.12	0.0000101	4.36	7.87	0.074	0.00156	30.1	0.00424	0.0109	0.000573	0.000728	0.000309	0.263	0.00000445	0.000745	0.000805	0.00196
2088 May	0.000371	0.00159	0.12	0.0000101	4.36	7.88	0.0741	0.00156	30.1	0.00424	0.0109	0.000574	0.000729	0.000309	0.264	0.00000445	0.000746	0.000806	0.00196
2088 Jun	0.00037	0.00159	0.12	0.0000102	4.33	7.87	0.0738	0.00156	30.2	0.00424	0.0109	0.000572	0.000728	0.000308	0.262	0.00000443	0.000741	0.000805	0.00196
2088 Jul	0.00037	0.00159	0.121	0.0000102	4.34	7.88	0.0738	0.00156	30.2	0.00424	0.0109	0.000572	0.000729	0.000308	0.262	0.00000444	0.000741	0.000806	0.00197
2088 Aug	0.000371	0.00159	0.121	0.0000102	4.35	7.9	0.074	0.00156	30.3	0.00425	0.011	0.000574	0.000731	0.000309	0.263	0.00000445	0.000743	0.000808	0.00198
2088 Sep	0.000371	0.00159	0.121	0.0000102	4.35	7.9	0.0741	0.00156	30.3	0.00425	0.011	0.000574	0.000732	0.000309	0.263	0.00000445	0.000744	0.000809	0.00198
2088 Oct	0.000371	0.00159	0.121	0.0000102	4.34	7.9	0.0739	0.00156	30.3	0.00425	0.011	0.000573	0.000731	0.000309	0.263	0.00000445	0.000742	0.000808	0.00198
2088 Nov	0.00037	0.00159	0.121	0.0000102	4.34	7.91	0.0739	0.00156	30.3	0.00425	0.011	0.000572	0.000731	0.000309	0.263	0.00000444	0.000742	0.000807	0.00198
2088 Dec	0.00037	0.00159	0.121	0.0000102	4.34	7.91	0.0739	0.00156	30.3	0.00425	0.011	0.000572	0.000731	0.000309	0.263	0.00000444	0.000742	0.000807	0.00198
2089 Jan	0.00037	0.00159	0.121	0.0000102	4.34	7.91	0.0739	0.00156	30.3	0.00425	0.011	0.000572	0.000731	0.000309	0.263	0.00000444	0.000742	0.000807	0.00198
2089 Feb	0.00037	0.00159	0.121	0.0000102	4.34	7.91	0.0739	0.00156	30.3	0.00425	0.011	0.000572	0.000731	0.000309	0.263	0.00000444	0.000742	0.000807	0.00198
2089 Mar	0.00037	0.00159	0.121	0.0000102	4.34	7.91	0.0739	0.00156	30.4	0.00425	0.011	0.000572	0.000731	0.000309	0.263	0.00000444	0.000742	0.000807	0.00198
2089 Apr	0.000371	0.00159	0.121	0.0000102	4.34	7.91	0.0739	0.00156	30.4	0.00425	0.011	0.000573	0.000732	0.000309	0.263	0.00000445	0.000742	0.000808	0.00198
2089 May	0.000372	0.0016	0.121	0.0000102	4.33	7.91	0.074	0.00156	30.4	0.00425	0.011	0.000574	0.000731	0.000309	0.263	0.00000444	0.00074	0.00081	0.00198
2089 Jun	0.000374	0.0016	0.122	0.0000103	4.31	7.9	0.0744	0.00155	30.3	0.00424	0.011	0.000578	0.000728	0.000307	0.262	0.00000442	0.000733	0.000815	0.00198
2089 Jul	0.000375	0.0016	0.123	0.0000103	4.32	7.92	0.0745	0.00155	30.3	0.00425	0.011	0.000579	0.000729	0.000308	0.262	0.00000442	0.000735	0.000816	0.00199
2089 Aug	0.000376	0.0016	0.123	0.0000103	4.33	7.94	0.0747	0.00155	30.4	0.00425	0.011	0.00058	0.00073	0.000309	0.263	0.00000443	0.000736	0.000818	0.00199
2089 Sep	0.000376	0.0016	0.123	0.0000103	4.33	7.95	0.0747	0.00155	30.5	0.00426	0.011	0.000581	0.000731	0.000309	0.263	0.00000443	0.000736	0.000819	0.00199
2089 Oct	0.000376	0.00161	0.123	0.0000103	4.32	7.98	0.0746	0.00155	30.7	0.00427	0.011	0.000581	0.000732	0.000309	0.262	0.00000442	0.000734	0.000818	0.00199
2089 Nov	0.000376	0.00161	0.123	0.0000103	4.32	7.99	0.0746	0.00155	30.8	0.00427	0.011	0.000581	0.000733	0.00031	0.262	0.00000442	0.000734	0.000818	0.00199
2089 Dec	0.000376	0.00161	0.123	0.0000103	4.32	7.99	0.0746	0.00155	30.8	0.00427	0.011	0.000581	0.000733	0.00031	0.262	0.00000442	0.000734	0.000818	0.00199
2090 Jan	0.000376	0.00161	0.123	0.0000103	4.32	7.99	0.0746	0.00155	30.8	0.00427	0.011	0.000581	0.000733	0.00031	0.262	0.00000442	0.000734	0.000818	0.00199
2090 Feb	0.000376	0.00161	0.123	0.0000103	4.32	7.99	0.0746	0.00155	30.8	0.00427	0.011	0.000581	0.000733	0.00031	0.262	0.00000442	0.000734	0.000818	0.00199
2090 Mar	0.000376	0.00161	0.123	0.0000103	4.32	7.99	0.0746	0.00155	30.8	0.00427	0.011	0.000581	0.000733	0.00031	0.262	0.00000442	0.000734	0.000818	0.00199
2090 Apr	0.000376	0.00161	0.123	0.0000103	4.32	7.99	0.0747	0.00156	30.8	0.00427	0.011	0.000581	0.000733	0.00031	0.262	0.00000442	0.000734	0.000818	0.00199
2090 May	0.000376	0.00161	0.123	0.0000103	4.32	8.01	0.0748	0.00156	30.8	0.00428	0.011	0.000582	0.000734	0.00031	0.263	0.00000442	0.000734	0.000819	0.00199
2090 Jun	0.000383	0.00163	0.124	0.0000103	4.38	8.19	0.0761	0.00159	31.7	0.00436	0.011	0.000595	0.000748	0.000316	0.267	0.00000446	0.000747	0.00083	0.002
2090 Jul	0.000383	0.00164	0.124	0.0000103	4.4	8.2	0.0763	0.00159	31.7	0.00437	0.0111	0.000596	0.000751	0.000318	0.268	0.00000448	0.000752	0.000832	0.00201
2090 Aug	0.000382	0.00164	0.124	0.0000103	4.41	8.21	0.0763	0.0016	31.7	0.00438	0.0111	0.000595	0.000753	0.000318	0.268	0.00000449	0.000754	0.000831	0.00201
2090 Sep	0.000381	0.00164	0.123	0.0000103	4.44	8.23	0.0761	0.00161	31.8	0.0044	0.011	0.000593	0.000756	0.00032	0.269	0.00000452	0.000761	0.000826	0.002
2090 Oct	0.000378	0.00164	0.122	0.0000103	4.48	8.25	0.0758	0.00164	31.9	0.00441	0.011	0.00059	0.000759	0.000322	0.271	0.00000456	0.000772	0.000819	0.002
2090 Nov	0.000377	0.00164	0.122	0.0000103	4.5	8.25	0.0757	0.00165	31.9	0.00442	0.011	0.000588	0.000761	0.000322	0.271	0.00000458	0.000776	0.000817	0.00199
2090 Dec	0.000377	0.00164	0.122	0.0000103	4.5	8.26	0.0757	0.00165	31.9	0.00442	0.011	0.000588	0.000761	0.000322	0.271	0.00000458	0.000776	0.000817	0.00199
2091 Jan	0.000377	0.00164	0.122	0.0000103	4.5	8.26	0.0757	0.00165	31.9	0.00442	0.011	0.000588	0.000761	0.000322	0.271	0.00000458	0.000776	0.000817	0.00199
2091 Feb	0.000377	0.00164	0.122	0.0000103	4.5	8.26	0.0757	0.00165	31.9	0.00442	0.011	0.000588	0.000761	0.000322	0.271	0.00000458	0.000776	0.000817	0.00199
2091 Mar	0.000377	0.00164	0.122	0.0000103	4.5	8.26	0.0757	0.00165	31.9	0.00442	0.011	0.000589	0.000761	0.000322	0.271	0.00000458	0.000776	0.000817	0.00199
2091 Apr	0.000377	0.00164	0.122	0.0000103	4.5	8.26	0.0757	0.00165	31.9	0.00442	0.011	0.000589	0.000761	0.000322	0.271	0.00000458	0.000776	0.000817	0.00199
2091 May	0.000378	0.00164	0.122	0.0000103	4.51	8.27	0.0759	0.00165	31.9	0.00443	0.011	0.00059	0.000762	0.000323	0.272	0.00000459	0.000778	0.000819	0.002
2091 Jun	0.000382	0.00164	0.123	0.0000103	4.57	8.28	0.0768	0.00167	31.7	0.00443	0.0111	0.000597	0.000764	0.000325	0.275	0.00000464	0.00079	0.000825	0.00199
2091 Jul	0.000383	0.00165	0.123	0.0000104	4.59	8.3	0.077	0.00168	31.7	0.00445	0.0111	0.000599	0.000766	0.000326	0.276	0.00000465	0.000793	0.000827	0.002
2091 Aug	0.000384	0.00165	0.123	0.0000104	4.59	8.31	0.0771	0.00168	31.8	0.00445	0.0111	0.000599	0.000767	0.000326	0.276	0.00000466	0.000794	0.000827	0.002
2091 Sep	0.000384	0.00165	0.123	0.0000104	4.59	8.32	0.0771	0.00168	31.9	0.00446	0.0111	0.0006	0.000768	0.000327	0.276	0.00000466	0.000794	0.000827	0.002
2091 Oct	0.000383	0.00165	0.123	0.0000104	4.6	8.35	0.0769	0.00169	32	0.00447	0.0111	0.000599	0.00077	0.000327	0.277	0.00000467	0.000796	0.000825	0.002
2091 Nov	0.000382	0.00165	0.122	0.0000104	4.61	8.37	0.0768	0.00169	32.1	0.00448	0.0111	0.000598	0.000772	0.000328	0.277	0.00000467	0.000799	0.000822	0.002

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2091 Dec	0.000382	0.00165	0.122	0.0000104	4.61	8.37	0.0768	0.00169	32.1	0.00448	0.0111	0.000598	0.000772	0.000328	0.277	0.00000468	0.0008	0.000822	0.002

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2092 Jan	0.000382	0.00165	0.122	0.0000104	4.61	8.37	0.0768	0.00169	32.1	0.00448	0.0111	0.000598	0.000772	0.000328	0.277	0.00000468	0.0008	0.000822	0.002
2092 Feb	0.000382	0.00165	0.122	0.0000104	4.61	8.37	0.0768	0.00169	32.1	0.00448	0.0111	0.000598	0.000772	0.000328	0.277	0.00000468	0.0008	0.000822	0.002
2092 Mar	0.000382	0.00166	0.122	0.0000104	4.61	8.37	0.0769	0.00169	32.1	0.00448	0.0111	0.000598	0.000772	0.000328	0.277	0.00000468	0.0008	0.000822	0.002
2092 Apr	0.000382	0.00166	0.123	0.0000104	4.61	8.37	0.0769	0.00169	32.2	0.00448	0.0111	0.000598	0.000772	0.000328	0.277	0.00000468	0.0008	0.000822	0.002
2092 May	0.000383	0.00166	0.123	0.0000104	4.62	8.4	0.0772	0.0017	32.3	0.0045	0.0111	0.0006	0.000774	0.00033	0.278	0.00000469	0.000802	0.000825	0.002
2092 Jun	0.000388	0.00166	0.123	0.0000103	4.74	8.46	0.0785	0.00174	32.2	0.00453	0.011	0.000612	0.000783	0.000334	0.283	0.00000477	0.000826	0.000832	0.00199
2092 Jul	0.000388	0.00166	0.123	0.0000103	4.78	8.45	0.0786	0.00175	32	0.00454	0.011	0.000612	0.000786	0.000336	0.285	0.00000481	0.000835	0.000832	0.00199
2092 Aug	0.000389	0.00166	0.123	0.0000103	4.79	8.47	0.0788	0.00176	32.1	0.00455	0.0111	0.000613	0.000787	0.000336	0.286	0.00000482	0.000837	0.000833	0.00199
2092 Sep	0.000389	0.00166	0.123	0.0000103	4.79	8.48	0.0788	0.00176	32.2	0.00455	0.0111	0.000613	0.000789	0.000337	0.286	0.00000483	0.000838	0.000834	0.002
2092 Oct	0.000389	0.00167	0.123	0.0000103	4.79	8.51	0.0788	0.00176	32.3	0.00456	0.0111	0.000613	0.00079	0.000337	0.286	0.00000482	0.000838	0.000834	0.002
2092 Nov	0.000389	0.00167	0.123	0.0000103	4.79	8.51	0.0788	0.00176	32.4	0.00457	0.0111	0.000613	0.000791	0.000338	0.286	0.00000482	0.000838	0.000834	0.002
2092 Dec	0.000389	0.00167	0.123	0.0000103	4.79	8.51	0.0788	0.00176	32.4	0.00457	0.0111	0.000613	0.000791	0.000338	0.286	0.00000482	0.000839	0.000834	0.002
2093 Jan	0.000389	0.00167	0.123	0.0000103	4.79	8.51	0.0788	0.00176	32.4	0.00457	0.0111	0.000613	0.000791	0.000338	0.286	0.00000482	0.000839	0.000834	0.002
2093 Feb	0.000389	0.00167	0.123	0.0000103	4.79	8.51	0.0788	0.00176	32.4	0.00457	0.0111	0.000613	0.000791	0.000338	0.286	0.00000482	0.000839	0.000834	0.002
2093 Mar	0.000389	0.00167	0.123	0.0000103	4.79	8.51	0.0788	0.00176	32.4	0.00457	0.0111	0.000614	0.000791	0.000338	0.286	0.00000483	0.000839	0.000834	0.002
2093 Apr	0.000389	0.00167	0.123	0.0000103	4.79	8.52	0.0788	0.00176	32.4	0.00457	0.0111	0.000614	0.000791	0.000338	0.286	0.00000483	0.000839	0.000834	0.002
2093 May	0.00039	0.00167	0.123	0.0000103	4.8	8.55	0.079	0.00177	32.5	0.00458	0.0111	0.000616	0.000793	0.000339	0.286	0.00000483	0.00084	0.000836	0.002
2093 Jun	0.000394	0.00168	0.124	0.0000103	4.83	8.64	0.08	0.00178	32.9	0.00462	0.011	0.000625	0.0008	0.000342	0.288	0.00000484	0.000845	0.000844	0.002
2093 Jul	0.000395	0.00168	0.124	0.0000103	4.84	8.65	0.0801	0.00178	33	0.00463	0.0111	0.000626	0.000802	0.000342	0.289	0.00000486	0.000848	0.000846	0.00201
2093 Aug	0.000395	0.00169	0.125	0.0000103	4.85	8.67	0.0803	0.00179	33	0.00463	0.0111	0.000627	0.000803	0.000343	0.29	0.00000487	0.00085	0.000847	0.00201
2093 Sep	0.000395	0.00169	0.124	0.0000103	4.85	8.68	0.0803	0.00179	33.1	0.00464	0.0111	0.000627	0.000804	0.000343	0.29	0.00000487	0.00085	0.000847	0.00201
2093 Oct	0.000394	0.00169	0.124	0.0000103	4.85	8.7	0.08	0.00179	33.3	0.00465	0.0111	0.000625	0.000806	0.000344	0.29	0.00000486	0.000851	0.000844	0.00201
2093 Nov	0.000393	0.00169	0.123	0.0000103	4.85	8.71	0.0799	0.0018	33.3	0.00465	0.011	0.000624	0.000807	0.000344	0.29	0.00000487	0.000853	0.000842	0.00201
2093 Dec	0.000393	0.00169	0.123	0.0000103	4.85	8.71	0.0799	0.0018	33.3	0.00465	0.011	0.000624	0.000807	0.000344	0.29	0.00000487	0.000853	0.000842	0.00201
2094 Jan	0.000393	0.00169	0.124	0.0000103	4.85	8.71	0.0799	0.0018	33.3	0.00465	0.011	0.000624	0.000807	0.000344	0.29	0.00000487	0.000853	0.000842	0.00201
2094 Feb	0.000393	0.00169	0.124	0.0000103	4.85	8.71	0.0799	0.0018	33.3	0.00465	0.011	0.000624	0.000807	0.000344	0.29	0.00000487	0.000853	0.000842	0.00201
2094 Mar	0.000393	0.00169	0.124	0.0000103	4.85	8.71	0.0799	0.0018	33.3	0.00465	0.011	0.000624	0.000807	0.000344	0.29	0.00000487	0.000853	0.000842	0.00201
2094 Apr	0.000393	0.00169	0.124	0.0000103	4.86	8.71	0.0799	0.0018	33.3	0.00466	0.0111	0.000624	0.000807	0.000345	0.29	0.00000487	0.000853	0.000842	0.00201
2094 May	0.000394	0.0017	0.124	0.0000103	4.87	8.74	0.0802	0.0018	33.5	0.00467	0.0111	0.000627	0.000809	0.000346	0.291	0.00000488	0.000856	0.000844	0.00201
2094 Jun	0.000397	0.0017	0.124	0.0000103	4.91	8.79	0.0809	0.00182	33.6	0.00469	0.0111	0.000632	0.000814	0.000348	0.293	0.00000491	0.000864	0.000849	0.00201
2094 Jul	0.000398	0.00171	0.125	0.0000103	4.92	8.82	0.0811	0.00183	33.7	0.0047	0.0111	0.000634	0.000816	0.000349	0.294	0.00000492	0.000866	0.000851	0.00201
2094 Aug	0.0004	0.00171	0.125	0.0000104	4.94	8.85	0.0813	0.00183	33.8	0.00472	0.0111	0.000636	0.000819	0.00035	0.295	0.00000493	0.000869	0.000854	0.00202
2094 Sep	0.0004	0.00171	0.125	0.0000104	4.94	8.85	0.0814	0.00183	33.8	0.00472	0.0111	0.000636	0.000819	0.00035	0.295	0.00000494	0.000869	0.000854	0.00202
2094 Oct	0.0004	0.00172	0.125	0.0000104	4.94	8.88	0.0814	0.00183	34	0.00473	0.0111	0.000637	0.000821	0.000351	0.295	0.00000493	0.000869	0.000854	0.00202
2094 Nov	0.0004	0.00172	0.125	0.0000104	4.93	8.92	0.0814	0.00183	34.3	0.00475	0.0111	0.000637	0.000823	0.000352	0.294	0.00000492	0.000867	0.000854	0.00202
2094 Dec	0.0004	0.00172	0.125	0.0000104	4.93	8.92	0.0814	0.00183	34.3	0.00475	0.0111	0.000637	0.000823	0.000352	0.294	0.00000492	0.000867	0.000854	0.00202
2095 Jan	0.0004	0.00172	0.125	0.0000104	4.93	8.92	0.0814	0.00183	34.3	0.00475	0.0111	0.000637	0.000823	0.000352	0.294	0.00000492	0.000867	0.000854	0.00202
2095 Feb	0.0004	0.00172	0.125	0.0000104	4.93	8.92	0.0814	0.00183	34.3	0.00475	0.0111	0.000637	0.000823	0.000352	0.294	0.00000492	0.000867	0.000854	0.00202
2095 Mar	0.0004	0.00172	0.125	0.0000104	4.93	8.92	0.0814	0.00183	34.3	0.00475	0.0111	0.000637	0.000823	0.000352	0.294	0.00000492	0.000867	0.000854	0.00202
2095 Apr	0.0004	0.00172	0.125	0.0000104	4.93	8.93	0.0814	0.00183	34.3	0.00475	0.0111	0.000638	0.000823	0.000352	0.295	0.00000492	0.000867	0.000854	0.00202
2095 May	0.000401	0.00173	0.125	0.0000104	4.92	8.95	0.0816	0.00183	34.4	0.00476	0.0111	0.000639	0.000824	0.000352	0.295	0.00000491	0.000866	0.000856	0.00202
2095 Jun	0.000404	0.00173	0.126	0.0000104	4.93	8.98	0.082	0.00184	34.5	0.00476	0.0111	0.000644	0.000825	0.000353	0.295	0.00000491	0.000866	0.00086	0.00202
2095 Jul	0.000405	0.00174	0.126	0.0000104	4.94	9	0.0822	0.00184	34.6	0.00478	0.0112	0.000645	0.000827	0.000354	0.296	0.00000492	0.000868	0.000863	0.00203
2095 Aug	0.000405	0.00174	0.126	0.0000104	4.94	9	0.0823	0.00184	34.6	0.00478	0.0112	0.000646	0.000827	0.000354	0.296	0.00000493	0.000868	0.000863	0.00203
2095 Sep	0.000405	0.00174	0.127	0.0000104	4.94	9.02	0.0823	0.00184	34.7	0.00478	0.0112	0.000646	0.000828	0.000354	0.296	0.00000493	0.000868	0.000864	0.00203
2095 Oct	0.000406	0.00174	0.127	0.0000104	4.94	9.03	0.0824	0.00184	34.8	0.00479	0.0112	0.000647	0.000828	0.000354	0.296	0.00000492	0.000868	0.000864	0.00203
2095 Nov	0.000406	0.00174	0.127	0.0000104	4.94	9.05	0.0823	0.00184	34.9	0.0048	0.0112	0.000647	0.000829	0.000355	0.296	0.00000492	0.000867	0.000864	0.00203
2095 Dec	0.000406	0.00174	0.127	0.0000104	4.94	9.05	0.0823	0.00184	34.9	0.0048	0.0112	0.000647	0.000829	0.000355	0.296	0.00000492	0.000867	0.000864	0.00203
2096 Jan	0.000406	0.00174	0.127	0.0000104	4.94	9.05	0.0824	0.00184	34.9	0.0048	0.0112	0.000647	0.000829	0.000355	0.296	0.00000492	0.000867	0.000864	0.00203
2096 Feb	0.000406	0.00174	0.127	0.0000104	4.94	9.05	0.0824	0.00184	34.9	0.0048	0.0112	0.000647	0.000829	0.000355	0.296	0.00000492	0.000867	0.000864	0.00203
2096 Mar	0.000406	0.00174	0.127	0.0000104	4.94	9.05	0.0824	0.00184	34.9	0.0048	0.0112	0.000647	0.000829	0.000355	0.296	0.00000492	0.000867	0.000864	0.00203
2096 Apr	0.000406	0.00174	0.127	0.0000104	4.94	9.05	0.0824	0.00184	34.9	0.0048	0.0112	0.000647	0.00083	0.000355	0.296	0.00000492	0.000867	0.000864	0.00203
2096 May	0.000407	0.00175	0.127	0.0000104	4.94	9.09	0.0826	0.00185	35.2	0.00481	0.0112	0.00065	0.000832	0.000356	0.296	0.00000492	0.000867	0.000867	0.00203
2096 Jun	0.00041	0.00176	0.127	0.0000104	4.98	9.19	0.0835	0.00186	35.6	0.00486	0.0112	0.000658	0.000841	0.00036	0.299	0.00000494	0.000876	0.000874	0.00204
2096 Jul	0.000411	0.00176	0.127	0.0000104	5.01	9.2	0.0836	0.00188	35.6	0.00487	0.0112	0.000659	0.000844	0.000361	0.3	0.00000497	0.000883	0.000874	0.00204
2096 Aug	0.000411	0.00176	0.127	0.0000105	5.02	9.22	0.0838	0.00188	35.7	0.00488	0.0112	0.00066	0.000846	0.000362	0.301	0.00000498	0.000885	0.000876	0.00205
2096 Sep	0.000411	0.00176	0.127	0.0000105	5.03	9.23	0.0838	0.00188	35.7	0.00489	0.0112	0.00066	0.000847	0.000362	0.301	0.00000498	0.000886	0.000876	0.00205
2096 Oct	0.00041	0.00177	0.127	0.0000105	5.02	9.25	0.0835	0.00188	35.9	0.0049	0.0112	0.000658	0.000848	0.000362	0.301	0.00000498	0.000886	0.000873	0.00205
2096 Nov	0.000409	0.00177	0.127	0.0000105	5.02	9.25	0.0834	0.00189	35.9	0.0049	0.0112	0.000657	0.000849	0.000363	0.301	0.00000498	0.000887	0.000872	0.00205
2096 Dec	0.000409	0.00177	0.127	0.0000105	5.02	9.25	0.0834	0.00189	35.9	0.0049	0.0112	0.000657	0.000849	0.000363	0.301	0.00000498	0.000887	0.000872	0.00205
2097 Jan	0.000409	0.00177	0.127	0.0000105	5.02	9.25	0.0834	0.00189	35.9	0.0049	0.0112	0.000657	0.000849	0.000363	0.301	0.00000498	0.000887	0.000872	0.00205
2097 Feb	0.000409	0.00177	0.127	0.0000105	5.02	9.25	0.0834	0.00189	35.9	0.0049	0.0112	0.000657	0.000849	0.000363	0.301	0.00000498	0.000887	0.000872	0.00205
2097 Mar	0.000409	0.00177	0.127	0.0000105	5.02	9.25	0.0834	0.00189	35.9	0.0049	0.0112	0.000657	0.000849	0.000363	0.301	0.00000498	0.000887	0.000872	0.00205
2097 Apr	0.000409	0.00177	0.127	0.0000105	5.02	9.25	0.0834	0.00189	35.9	0.0049	0.0112	0.000657	0.000849	0.000363	0.301	0.00000498	0.000887	0.000872	0.00205
2097 May	0.00041	0.00177	0.127	0.0000105	5.03	9.26	0.0835	0.00189	35.9	0.00491	0.0112	0.000658	0.00085	0.000363	0.301	0.00000499	0.000888	0.000873	0.00205
2097 Jun	0.000411	0.00177	0.127	0.0000105	5.04	9.25	0.0838	0.00189	35.8	0.0049	0.0112	0.00066	0.000848	0.000363	0.302	0.00000499	0.000889	0.000875	0.00205
2097 Jul	0.000412	0.00177	0.128	0.0000105	5.05	9.27	0.084	0.0019	35.8	0.00491	0.0112	0.000662	0.00085	0.000364	0.303	0.00000501	0.000892	0.000877	0.00205
2097 Aug	0.000413	0.00177	0.128	0.0000105	5.06	9.28	0.0841	0.0019	35.9	0.00492	0.0112	0.000663	0.000851	0.000364	0.303	0.00000501	0.000893	0.000879	0.00205
2097 Sep	0.000413	0.00178	0.128	0.0000105	5.07	9.29	0.0842	0.0019	35.9	0.00492	0.0113	0.000663	0.000852	0.000365	0.303	0.00000502	0.000894	0.000879	0.00206
2097 Oct	0.000413	0.00178	0.128	0.0000105	5.06	9.29	0.0842	0.0019	35.9	0.00492	0.0113	0.000663	0.000852	0.000365	0.303	0.00000502	0.000894	0.000879	0.00206
2097 Nov	0.000413	0.00178	0.128	0.0000105	5.06	9.3	0.0842	0.0019	36	0.00493	0.0113	0.000663	0.000853	0.000365	0.303	0.00000502	0.000894	0.000879	0.00206

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2097 Dec	0.000413	0.00178	0.128	0.0000105	5.06	9.3	0.0842	0.0019	36	0.00493	0.0113	0.000663	0.000853	0.000365	0.303	0.00000502	0.000894	0.000879	0.00206
2098 Jan	0.000413	0.00178	0.128	0.0000105	5.06	9.3	0.0842	0.0019	36	0.00493	0.0113	0.000663	0.000853	0.000365	0.303	0.00000502	0.000894	0.000879	0.00206
2098 Feb	0.000413	0.00178	0.128	0.0000105	5.06	9.3	0.0842	0.0019	36	0.00493	0.0113	0.000663	0.000853	0.000365	0.303	0.00000502	0.000894	0.000879	0.00206
2098 Mar	0.000413	0.00178	0.128	0.0000105	5.06	9.3	0.0842	0.0019	36	0.00493	0.0113	0.000663	0.000853	0.000365	0.303	0.00000502	0.000894	0.000879	0.00206
2098 Apr	0.000413	0.00178	0.128	0.0000105	5.06	9.3	0.0842	0.0019	36	0.00493	0.0113	0.000663	0.000853	0.000365	0.303	0.00000502	0.000894	0.000879	0.00206
2098 May	0.000416	0.00178	0.129	0.0000105	5.06	9.3	0.0845	0.0019	36	0.00492	0.0113	0.000666	0.000851	0.000364	0.303	0.00000501	0.000891	0.000883	0.00206
2098 Jun	0.000421	0.00177	0.131	0.0000105	5.09	9.24	0.0855	0.0019	35.3	0.00489	0.0113	0.000675	0.000846	0.000363	0.305	0.00000502	0.000895	0.000892	0.00205
2098 Jul	0.000422	0.00177	0.131	0.0000105	5.11	9.26	0.0858	0.0019	35.3	0.0049	0.0113	0.000677	0.000849	0.000364	0.306	0.00000505	0.000899	0.000894	0.00206
2098 Aug	0.000423	0.00178	0.131	0.0000106	5.11	9.27	0.0859	0.00191	35.4	0.00491	0.0113	0.000677	0.000849	0.000365	0.306	0.00000505	0.0009	0.000895	0.00206
2098 Sep	0.000421	0.00178	0.131	0.0000106	5.11	9.27	0.0856	0.00191	35.4	0.00491	0.0113	0.000675	0.00085	0.000365	0.306	0.00000505	0.000901	0.000892	0.00205
2098 Oct	0.000419	0.00178	0.13	0.0000105	5.13	9.28	0.0853	0.00192	35.5	0.00492	0.0113	0.000672	0.000851	0.000366	0.307	0.00000507	0.000905	0.000886	0.00205
2098 Nov	0.000418	0.00178	0.129	0.0000105	5.14	9.29	0.0852	0.00193	35.5	0.00493	0.0113	0.000671	0.000853	0.000366	0.307	0.00000508	0.000909	0.000884	0.00205
2098 Dec	0.000418	0.00178	0.129	0.0000105	5.14	9.29	0.0852	0.00193	35.5	0.00493	0.0113	0.000671	0.000853	0.000366	0.307	0.00000508	0.000909	0.000884	0.00205
2099 Jan	0.000418	0.00178	0.129	0.0000105	5.14	9.29	0.0852	0.00193	35.5	0.00493	0.0113	0.000671	0.000853	0.000366	0.307	0.00000508	0.000909	0.000884	0.00205
2099 Feb	0.000418	0.00178	0.129	0.0000105	5.14	9.29	0.0852	0.00193	35.5	0.00493	0.0113	0.000671	0.000853	0.000366	0.307	0.00000508	0.000909	0.000884	0.00205
2099 Mar	0.000418	0.00178	0.129	0.0000105	5.14	9.29	0.0852	0.00193	35.5	0.00493	0.0113	0.000671	0.000853	0.000366	0.307	0.00000508	0.000909	0.000884	0.00205
2099 Apr	0.000418	0.00178	0.13	0.0000105	5.15	9.3	0.0853	0.00193	35.5	0.00493	0.0113	0.000671	0.000853	0.000367	0.307	0.00000508	0.00091	0.000885	0.00205
2099 May	0.000424	0.00178	0.131	0.0000105	5.2	9.3	0.0864	0.00194	35.3	0.00493	0.0113	0.000676	0.000853	0.000368	0.31	0.00000512	0.000918	0.000893	0.00204
2099 Jun	0.000427	0.00178	0.132	0.0000105	5.25	9.29	0.0871	0.00196	34.9	0.00493	0.0113	0.00068	0.000854	0.000368	0.312	0.00000516	0.000929	0.000897	0.00204
2099 Jul	0.000428	0.00178	0.132	0.0000105	5.27	9.31	0.0873	0.00196	35	0.00494	0.0113	0.000682	0.000856	0.000369	0.313	0.00000518	0.000932	0.000899	0.00204
2099 Aug	0.000429	0.00178	0.132	0.0000106	5.28	9.33	0.0875	0.00197	35.1	0.00495	0.0113	0.000683	0.000858	0.00037	0.314	0.00000519	0.000934	0.000901	0.00205
2099 Sep	0.000429	0.00178	0.132	0.0000106	5.28	9.34	0.0875	0.00197	35.1	0.00495	0.0113	0.000683	0.000858	0.00037	0.314	0.00000519	0.000934	0.000901	0.00205
2099 Oct	0.000428	0.00178	0.132	0.0000106	5.27	9.35	0.0874	0.00197	35.2	0.00495	0.0113	0.000682	0.000858	0.00037	0.314	0.00000518	0.000933	0.000899	0.00204
2099 Nov	0.000428	0.00179	0.132	0.0000105	5.27	9.35	0.0872	0.00197	35.2	0.00495	0.0113	0.000681	0.000859	0.00037	0.314	0.00000518	0.000933	0.000897	0.00204
2099 Dec	0.000428	0.00179	0.132	0.0000105	5.27	9.35	0.0872	0.00197	35.2	0.00496	0.0113	0.000681	0.000859	0.00037	0.314	0.00000518	0.000933	0.000897	0.00204
2100 Jan	0.000428	0.00179	0.132	0.0000105	5.27	9.35	0.0872	0.00197	35.2	0.00496	0.0113	0.000681	0.000859	0.000371	0.314	0.00000518	0.000933	0.000897	0.00204
2100 Feb	0.000428	0.00179	0.132	0.0000105	5.27	9.35	0.0872	0.00197	35.2	0.00496	0.0113	0.000681	0.000859	0.000371	0.314	0.00000518	0.000933	0.000897	0.00204
2100 Mar	0.000428	0.00179	0.132	0.0000105	5.27	9.35	0.0872	0.00197	35.2	0.00496	0.0113	0.000681	0.000859	0.000371	0.314	0.00000518	0.000933	0.000897	0.00204
2100 Apr	0.000428	0.00179	0.132	0.0000106	5.27	9.35	0.0873	0.00197	35.2	0.00496	0.0113	0.000681	0.000859	0.000371	0.314	0.00000518	0.000934	0.000898	0.00204
2100 May	0.000429	0.00179	0.132	0.0000106	5.28	9.38	0.0876	0.00197	35.3	0.00496	0.0113	0.000684	0.00086	0.000371	0.314	0.00000518	0.000935	0.0009	0.00204
2100 Jun	0.000433	0.00178	0.133	0.0000105	5.34	9.34	0.0883	0.00199	34.7	0.00494	0.0113	0.00069	0.000859	0.000372	0.317	0.00000523	0.000947	0.000905	0.00203
2100 Jul	0.000433	0.00178	0.133	0.0000105	5.36	9.34	0.0884	0.002	34.6	0.00495	0.0113	0.00069	0.000861	0.000373	0.318	0.00000525	0.000952	0.000905	0.00204
2100 Aug	0.000432	0.00178	0.133	0.0000105	5.37	9.34	0.0883	0.002	34.6	0.00495	0.0113	0.00069	0.000862	0.000373	0.318	0.00000526	0.000954	0.000904	0.00204
2100 Sep	0.000431	0.00178	0.133	0.0000105	5.38	9.34	0.0883	0.002	34.6	0.00495	0.0113	0.000689	0.000862	0.000373	0.318	0.00000527	0.000956	0.000902	0.00204
2100 Oct	0.000431	0.00178	0.132	0.0000105	5.39	9.35	0.0882	0.00201	34.7	0.00496	0.0113	0.000688	0.000863	0.000374	0.318	0.00000527	0.000957	0.000901	0.00204
2100 Nov	0.000431	0.00178	0.132	0.0000105	5.39	9.35	0.0882	0.00201	34.7	0.00496	0.0113	0.000688	0.000863	0.000374	0.319	0.00000528	0.000958	0.000901	0.00204
2100 Dec	0.000431	0.00178	0.132	0.0000105	5.39	9.35	0.0882	0.00201	34.7	0.00496	0.0113	0.000688	0.000863	0.000374	0.319	0.00000528	0.000958	0.000901	0.00204
2101 Jan	0.000431	0.00178	0.132	0.0000105	5.39	9.35	0.0882	0.00201	34.7	0.00496	0.0113	0.000688	0.000863	0.000374	0.319	0.00000528	0.000958	0.000901	0.00204
2101 Feb	0.000431	0.00178	0.132	0.0000105	5.39	9.35	0.0882	0.00201	34.7	0.00496	0.0113	0.000688	0.000864	0.000374	0.319	0.00000528	0.000958	0.000901	0.00204
2101 Mar	0.000431	0.00178	0.132	0.0000105	5.39	9.35	0.0882	0.00201	34.7	0.00496	0.0113	0.000688	0.000864	0.000374	0.319	0.00000528	0.000958	0.000901	0.00204
2101 Apr	0.000431	0.00178	0.132	0.0000105	5.39	9.35	0.0883	0.00201	34.7	0.00496	0.0113	0.000689	0.000864	0.000374	0.319	0.00000528	0.000958	0.000902	0.00204
2101 May	0.000432	0.00178	0.133	0.0000105	5.4	9.36	0.0885	0.00201	34.7	0.00496	0.0113	0.00069	0.000865	0.000374	0.319	0.00000529	0.00096	0.000903	0.00204
2101 Jun	0.000434	0.00177	0.133	0.0000105	5.44	9.33	0.0889	0.00202	34.2	0.00495	0.0113	0.000694	0.000864	0.000375	0.321	0.00000532	0.000968	0.000905	0.00203
2101 Jul	0.000435	0.00178	0.133	0.0000105	5.46	9.35	0.0892	0.00203	34.3	0.00496	0.0113	0.000696	0.000866	0.000376	0.322	0.00000534	0.000972	0.000907	0.00204
2101 Aug	0.000436	0.00178	0.134	0.0000105	5.47	9.38	0.0894	0.00203	34.4	0.00497	0.0113	0.000697	0.000868	0.000377	0.323	0.00000535	0.000974	0.00091	0.00204
2101 Sep	0.000436	0.00178	0.134	0.0000105	5.47	9.37	0.0893	0.00203	34.4	0.00497	0.0113	0.000697	0.000868	0.000377	0.322	0.00000535	0.000974	0.000909	0.00204
2101 Oct	0.000435	0.00178	0.134	0.0000105	5.47	9.38	0.0893	0.00203	34.4	0.00497	0.0113	0.000697	0.000869	0.000377	0.323	0.00000535	0.000974	0.000909	0.00204
2101 Nov	0.000435	0.00178	0.133	0.0000105	5.47	9.39	0.0892	0.00203	34.5	0.00498	0.0113	0.000696	0.000869	0.000377	0.322	0.00000534	0.000973	0.000908	0.00204
2101 Dec	0.000435	0.00178	0.133	0.0000105	5.46	9.39	0.0892	0.00203	34.5	0.00498	0.0113	0.000696	0.000869	0.000377	0.322	0.00000534	0.000973	0.000908	0.00204
2102 Jan	0.000435	0.00178	0.133	0.0000105	5.46	9.4	0.0892	0.00203	34.5	0.00498	0.0113	0.000696	0.000869	0.000377	0.322	0.00000534	0.000973	0.000908	0.00204
2102 Feb	0.000435	0.00178	0.133	0.0000105	5.46	9.4	0.0892	0.00203	34.5	0.00498	0.0113	0.000696	0.000869	0.000377	0.322	0.00000534	0.000973	0.000908	0.00204
2102 Mar	0.000435	0.00178	0.133	0.0000105	5.46	9.4	0.0892	0.00203	34.5	0.00498	0.0113	0.000696	0.000869	0.000377	0.322	0.00000534	0.000973	0.000908	0.00204
2102 Apr	0.000435	0.00178	0.133	0.0000105	5.47	9.4	0.0892	0.00203	34.5	0.00498	0.0113	0.000696	0.000869	0.000377	0.322	0.00000534	0.000973	0.000908	0.00204
2102 May	0.000435	0.00179	0.133	0.0000105	5.47	9.4	0.0893	0.00204	34.6	0.00498	0.0113	0.000697	0.00087	0.000377	0.323	0.00000535	0.000974	0.000909	0.00204
2102 Jun	0.000427	0.00177	0.131	0.0000105	5.44	9.33	0.0879	0.00203	34.3	0.00495	0.0112	0.000685	0.000868	0.000375	0.32	0.00000534	0.000972	0.000897	0.00204
2102 Jul	0.000423	0.00176	0.13	0.0000105	5.46	9.29	0.0872	0.00204	34	0.00494	0.0112	0.000679	0.000868	0.000375	0.32	0.00000536	0.000977	0.000891	0.00204
2102 Aug	0.000423	0.00176	0.13	0.0000105	5.47	9.3	0.0873	0.00204	34.1	0.00495	0.0112	0.000679	0.000869	0.000375	0.32	0.00000537	0.000979	0.000892	0.00205
2102 Sep	0.000423	0.00176	0.13	0.0000105	5.47	9.3	0.0873	0.00204	34	0.00495	0.0112	0.000679	0.00087	0.000375	0.32	0.00000537	0.00098	0.000892	0.00205
2102 Oct	0.000421	0.00176	0.13	0.0000105	5.46	9.27	0.0868	0.00204	34	0.00493	0.0112	0.000675	0.000867	0.000374	0.319	0.00000537	0.000978	0.000887	0.00204
2102 Nov	0.000421	0.00176	0.13	0.0000105	5.46	9.27	0.0868	0.00204	34	0.00493	0.0112	0.000675	0.000868	0.000374	0.319	0.00000537	0.000978	0.000887	0.00204
2102 Dec	0.000421	0.00176	0.13	0.0000105	5.46	9.27	0.0868	0.00204	34	0.00493	0.0112	0.000675	0.000868	0.000374	0.319	0.00000537	0.000978	0.000887	0.00204
2103 Jan	0.000421	0.00176	0.13	0.0000105	5.46	9.27	0.0868	0.00204	34	0.00493	0.0112	0.000675	0.000868	0.000374	0.319	0.00000537	0.000978	0.000887	0.00204
2103 Feb	0.000421	0.00176	0.13	0.0000105	5.46	9.27	0.0868	0.00204	34	0.00493	0.0112	0.000675	0.000868	0.000374	0.319	0.00000537	0.000978	0.000887	0.00204
2103 Mar	0.000421	0.00176	0.13	0.0000105	5.46	9.27	0.0868	0.00204	34	0.00493	0.0112	0.000675	0.000868	0.000374	0.319	0.00000537	0.000978	0.000887	0.00204
2103 Apr	0.000421	0.00176	0.13	0.0000105	5.46	9.27	0.0868	0.00204	34	0.00494	0.0112	0.000675	0.000868	0.000374	0.32	0.00000537	0.000978	0.000887	0.00204
2103 May	0.000422	0.00176	0.13	0.0000105	5.46	9.3	0.087	0.00204	34.1	0.00494	0.0112	0.000677	0.000869	0.000375	0.32	0.00000537	0.000979	0.000889	0.00205
2103 Jun	0.000423	0.00175	0.13	0.0000105	5.51	9.27	0.0874	0.00205	33.7	0.00493	0.0112	0.000681	0.000869	0.000376	0.321	0.0000054	0.000988	0.000891	0.00204
2103 Jul	0.000423	0.00175	0.13	0.0000105	5.53	9.27	0.0875	0.00206	33.6	0.00493	0.0112	0.000681	0.000871	0.000376	0.323	0.00000543	0.000994	0.000891	0.00204
2103 Aug	0.000422	0.00175	0.13	0.0000105	5.54	9.27	0.0874	0.00207	33.5	0.00493	0.0112	0.00068	0.000872	0.000377	0.323	0.00000544	0.000996	0.00089	0.00204
2103 Sep	0.00042	0.00175	0.129	0.0000105	5.54	9.26	0.0872	0.00207	33.5	0.00493	0.0112	0.000678	0.000872	0.000377	0.323	0.00000545	0.000997	0.000886	0.00204
2103 Oct	0.000417	0.00175	0.128	0.0000105	5.56	9.24	0.0866	0.00208	33.4	0.00493	0.0111	0.000672	0.000872	0.000377	0.323	0.00000546	0.001	0.000877	0.00203

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2103 Nov	0.000416	0.00175	0.128	0.0000104	5.57	9.24	0.0864	0.00208	33.4	0.00492	0.0111	0.000671	0.000872	0.000377	0.323	0.00000547	0.001	0.000875	0.00203

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2103 Dec	0.000416	0.00175	0.128	0.0000104	5.57	9.24	0.0864	0.00208	33.4	0.00492	0.0111	0.000671	0.000872	0.000377	0.323	0.00000547	0.001	0.000875	0.00203
2104 Jan	0.000416	0.00175	0.128	0.0000104	5.57	9.24	0.0864	0.00208	33.4	0.00493	0.0111	0.000671	0.000872	0.000377	0.323	0.00000547	0.001	0.000875	0.00203
2104 Feb	0.000416	0.00175	0.128	0.0000104	5.57	9.24	0.0864	0.00208	33.4	0.00493	0.0111	0.000671	0.000872	0.000377	0.323	0.00000547	0.001	0.000875	0.00203
2104 Mar	0.000416	0.00175	0.128	0.0000104	5.57	9.24	0.0864	0.00208	33.4	0.00493	0.0111	0.000671	0.000872	0.000377	0.323	0.00000547	0.001	0.000875	0.00203
2104 Apr	0.000416	0.00175	0.128	0.0000105	5.57	9.24	0.0864	0.00208	33.4	0.00493	0.0111	0.000671	0.000872	0.000377	0.323	0.00000547	0.001	0.000875	0.00203
2104 May	0.000417	0.00175	0.128	0.0000105	5.58	9.24	0.0867	0.00209	33.3	0.00492	0.0111	0.000673	0.000872	0.000377	0.323	0.00000548	0.00101	0.000877	0.00203
2104 Jun	0.000418	0.00173	0.128	0.0000104	5.63	9.18	0.087	0.0021	32.6	0.0049	0.0111	0.000676	0.00087	0.000377	0.325	0.00000553	0.00102	0.000878	0.00201
2104 Jul	0.000419	0.00174	0.128	0.0000104	5.65	9.19	0.0872	0.00211	32.6	0.0049	0.0111	0.000677	0.000872	0.000378	0.326	0.00000555	0.00102	0.000879	0.00202
2104 Aug	0.000419	0.00174	0.129	0.0000104	5.66	9.2	0.0873	0.00211	32.6	0.00491	0.0111	0.000678	0.000873	0.000378	0.326	0.00000555	0.00102	0.000879	0.00202
2104 Sep	0.000418	0.00174	0.128	0.0000104	5.65	9.2	0.0871	0.00211	32.6	0.00491	0.0111	0.000676	0.000872	0.000378	0.326	0.00000555	0.00102	0.000877	0.00202
2104 Oct	0.000416	0.00173	0.128	0.0000104	5.65	9.18	0.0867	0.00211	32.6	0.0049	0.0111	0.000673	0.000871	0.000378	0.326	0.00000555	0.00102	0.000872	0.00201
2104 Nov	0.000415	0.00173	0.127	0.0000104	5.65	9.17	0.0866	0.00212	32.5	0.0049	0.0111	0.000671	0.000871	0.000378	0.326	0.00000555	0.00102	0.00087	0.00201
2104 Dec	0.000415	0.00173	0.127	0.0000104	5.65	9.17	0.0866	0.00212	32.5	0.0049	0.0111	0.000671	0.000871	0.000378	0.326	0.00000556	0.00102	0.00087	0.00201
2105 Jan	0.000415	0.00173	0.127	0.0000104	5.65	9.17	0.0866	0.00212	32.5	0.0049	0.0111	0.000671	0.000871	0.000378	0.326	0.00000556	0.00102	0.00087	0.00201
2105 Feb	0.000415	0.00173	0.127	0.0000104	5.65	9.17	0.0866	0.00212	32.5	0.0049	0.0111	0.000671	0.000871	0.000378	0.326	0.00000556	0.00102	0.00087	0.00201
2105 Mar	0.000415	0.00173	0.127	0.0000104	5.65	9.17	0.0866	0.00212	32.5	0.0049	0.0111	0.000671	0.000871	0.000378	0.326	0.00000556	0.00102	0.00087	0.00201
2105 Apr	0.000415	0.00173	0.127	0.0000104	5.65	9.18	0.0866	0.00212	32.5	0.0049	0.0111	0.000672	0.000871	0.000378	0.326	0.00000556	0.00102	0.000871	0.00201
2105 May	0.000415	0.00173	0.128	0.0000104	5.66	9.18	0.0867	0.00212	32.5	0.0049	0.0111	0.000673	0.000871	0.000378	0.326	0.00000556	0.00103	0.000871	0.00201
2105 Jun	0.000417	0.00173	0.128	0.0000104	5.68	9.16	0.087	0.00212	32.3	0.00488	0.0111	0.000675	0.00087	0.000378	0.327	0.00000558	0.00103	0.000873	0.00201
2105 Jul	0.000417	0.00173	0.128	0.0000104	5.69	9.18	0.0871	0.00213	32.3	0.00489	0.0111	0.000676	0.000871	0.000378	0.327	0.00000559	0.00103	0.000874	0.00201
2105 Aug	0.000417	0.00173	0.128	0.0000104	5.69	9.17	0.087	0.00213	32.3	0.00489	0.0111	0.000675	0.000871	0.000378	0.327	0.00000559	0.00103	0.000873	0.00201
2105 Sep	0.000414	0.00173	0.127	0.0000104	5.7	9.16	0.0866	0.00213	32.2	0.00489	0.011	0.000672	0.000871	0.000379	0.327	0.0000056	0.00103	0.000866	0.002
2105 Oct	0.000412	0.00173	0.126	0.0000104	5.72	9.18	0.0863	0.00215	32.3	0.00489	0.011	0.000669	0.000873	0.00038	0.328	0.00000562	0.00104	0.000861	0.00199
2105 Nov	0.000411	0.00173	0.126	0.0000103	5.73	9.18	0.0862	0.00215	32.3	0.0049	0.011	0.000668	0.000874	0.00038	0.328	0.00000563	0.00104	0.000859	0.00199
2105 Dec	0.000411	0.00173	0.126	0.0000103	5.73	9.18	0.0862	0.00215	32.3	0.0049	0.011	0.000668	0.000874	0.00038	0.328	0.00000563	0.00104	0.000859	0.00199
2106 Jan	0.000411	0.00173	0.126	0.0000103	5.73	9.18	0.0862	0.00215	32.3	0.0049	0.011	0.000668	0.000874	0.00038	0.328	0.00000563	0.00104	0.000859	0.00199
2106 Feb	0.000411	0.00173	0.126	0.0000103	5.73	9.18	0.0862	0.00215	32.3	0.0049	0.011	0.000668	0.000874	0.00038	0.328	0.00000563	0.00104	0.000859	0.00199
2106 Mar	0.000411	0.00173	0.126	0.0000103	5.73	9.18	0.0862	0.00215	32.3	0.0049	0.011	0.000668	0.000874	0.00038	0.328	0.00000563	0.00104	0.000859	0.00199
2106 Apr	0.000411	0.00173	0.126	0.0000103	5.73	9.19	0.0862	0.00215	32.3	0.0049	0.011	0.000668	0.000874	0.00038	0.328	0.00000563	0.00104	0.000859	0.00199
2106 May	0.000412	0.00173	0.126	0.0000104	5.74	9.2	0.0864	0.00216	32.3	0.0049	0.011	0.000669	0.000875	0.000381	0.329	0.00000563	0.00104	0.00086	0.00199
2106 Jun	0.000412	0.00172	0.126	0.0000103	5.79	9.17	0.0866	0.00217	31.9	0.00489	0.0109	0.00067	0.000875	0.000381	0.33	0.00000568	0.00106	0.000859	0.00198
2106 Jul	0.000412	0.00172	0.126	0.0000103	5.82	9.17	0.0867	0.00218	31.8	0.00489	0.011	0.000671	0.000877	0.000382	0.331	0.00000571	0.00106	0.000859	0.00199
2106 Aug	0.000411	0.00172	0.125	0.0000103	5.82	9.17	0.0865	0.00219	31.8	0.00489	0.011	0.00067	0.000878	0.000382	0.331	0.00000571	0.00106	0.000857	0.00199
2106 Sep	0.000408	0.00172	0.124	0.0000103	5.81	9.15	0.086	0.00219	31.8	0.00489	0.0109	0.000665	0.000877	0.000382	0.331	0.00000571	0.00106	0.000851	0.00198
2106 Oct	0.000406	0.00172	0.124	0.0000103	5.82	9.16	0.0858	0.00219	31.8	0.00489	0.0109	0.000664	0.000878	0.000382	0.331	0.00000572	0.00106	0.000848	0.00198
2106 Nov	0.000406	0.00172	0.124	0.0000103	5.82	9.16	0.0858	0.00219	31.8	0.00489	0.0109	0.000664	0.000878	0.000382	0.331	0.00000572	0.00106	0.000848	0.00198
2106 Dec	0.000406	0.00172	0.124	0.0000103	5.82	9.16	0.0858	0.00219	31.8	0.00489	0.0109	0.000664	0.000878	0.000382	0.331	0.00000572	0.00106	0.000848	0.00198
2107 Jan	0.000406	0.00172	0.124	0.0000103	5.82	9.16	0.0858	0.00219	31.8	0.00489	0.0109	0.000664	0.000878	0.000382	0.331	0.00000572	0.00106	0.000848	0.00198
2107 Feb	0.000406	0.00172	0.124	0.0000103	5.82	9.16	0.0858	0.00219	31.8	0.00489	0.0109	0.000664	0.000878	0.000382	0.331	0.00000572	0.00106	0.000848	0.00198
2107 Mar	0.000406	0.00172	0.124	0.0000103	5.82	9.16	0.0858	0.00219	31.8	0.00489	0.0109	0.000664	0.000878	0.000383	0.331	0.00000572	0.00106	0.000848	0.00198
2107 Apr	0.000407	0.00172	0.124	0.0000103	5.82	9.16	0.0858	0.00219	31.8	0.00489	0.0109	0.000664	0.000878	0.000383	0.331	0.00000572	0.00106	0.000848	0.00198
2107 May	0.000407	0.00172	0.124	0.0000103	5.82	9.17	0.0859	0.00219	31.8	0.00489	0.0109	0.000664	0.000878	0.000383	0.331	0.00000572	0.00107	0.000849	0.00198
2107 Jun	0.000408	0.00171	0.124	0.0000103	5.84	9.16	0.0861	0.0022	31.6	0.00489	0.0109	0.000666	0.000878	0.000383	0.332	0.00000574	0.00107	0.000849	0.00197
2107 Jul	0.000408	0.00172	0.124	0.0000103	5.85	9.17	0.0862	0.0022	31.6	0.00489	0.0109	0.000667	0.000879	0.000383	0.332	0.00000575	0.00107	0.00085	0.00198
2107 Aug	0.000409	0.00172	0.125	0.0000103	5.86	9.18	0.0864	0.00221	31.7	0.0049	0.0109	0.000668	0.00088	0.000384	0.333	0.00000575	0.00107	0.000852	0.00198
2107 Sep	0.000409	0.00172	0.125	0.0000103	5.86	9.19	0.0864	0.00221	31.7	0.0049	0.0109	0.000668	0.000881	0.000384	0.333	0.00000576	0.00107	0.000852	0.00198
2107 Oct	0.000409	0.00172	0.125	0.0000103	5.85	9.19	0.0863	0.0022	31.8	0.0049	0.0109	0.000668	0.000881	0.000384	0.332	0.00000575	0.00107	0.000851	0.00198
2107 Nov	0.000408	0.00172	0.125	0.0000103	5.84	9.2	0.0862	0.0022	31.8	0.0049	0.0109	0.000667	0.000881	0.000384	0.332	0.00000574	0.00107	0.00085	0.00198
2107 Dec	0.000408	0.00172	0.125	0.0000103	5.84	9.2	0.0862	0.0022	31.8	0.0049	0.0109	0.000667	0.000881	0.000384	0.332	0.00000574	0.00107	0.00085	0.00198
2108 Jan	0.000408	0.00172	0.125	0.0000103	5.84	9.2	0.0862	0.0022	31.8	0.0049	0.0109	0.000668	0.000881	0.000384	0.332	0.00000574	0.00107	0.00085	0.00198
2108 Feb	0.000408	0.00172	0.125	0.0000103	5.84	9.2	0.0862	0.0022	31.8	0.0049	0.0109	0.000668	0.000881	0.000384	0.332	0.00000574	0.00107	0.00085	0.00198
2108 Mar	0.000408	0.00172	0.125	0.0000103	5.84	9.2	0.0862	0.0022	31.8	0.0049	0.0109	0.000668	0.000881	0.000384	0.332	0.00000574	0.00107	0.000851	0.00198
2108 Apr	0.000408	0.00172	0.125	0.0000103	5.85	9.2	0.0863	0.0022	31.9	0.00491	0.0109	0.000668	0.000881	0.000384	0.332	0.00000575	0.00107	0.000851	0.00198
2108 May	0.000409	0.00172	0.125	0.0000103	5.85	9.21	0.0863	0.00221	31.9	0.00491	0.0109	0.000669	0.000882	0.000385	0.332	0.00000575	0.00107	0.000852	0.00198
2108 Jun	0.000408	0.00172	0.125	0.0000103	5.81	9.17	0.0859	0.00219	31.7	0.00488	0.0109	0.000666	0.000877	0.000382	0.33	0.00000572	0.00106	0.00085	0.00199
2108 Jul	0.000408	0.00172	0.125	0.0000104	5.82	9.18	0.086	0.00219	31.8	0.00489	0.011	0.000667	0.000879	0.000383	0.331	0.00000573	0.00106	0.000852	0.00199
2108 Aug	0.000409	0.00173	0.125	0.0000104	5.83	9.2	0.0863	0.0022	31.9	0.0049	0.011	0.000668	0.000881	0.000384	0.332	0.00000574	0.00107	0.000854	0.002
2108 Sep	0.000409	0.00173	0.125	0.0000104	5.83	9.21	0.0863	0.0022	31.9	0.0049	0.011	0.000668	0.000881	0.000384	0.332	0.00000574	0.00107	0.000854	0.002
2108 Oct	0.000408	0.00173	0.125	0.0000104	5.81	9.19	0.0859	0.00219	31.9	0.0049	0.011	0.000666	0.000879	0.000383	0.33	0.00000572	0.00106	0.000851	0.00199
2108 Nov	0.000407	0.00173	0.125	0.0000104	5.81	9.19	0.0858	0.00219	31.9	0.0049	0.011	0.000665	0.000879	0.000383	0.33	0.00000572	0.00106	0.000851	0.00199
2108 Dec	0.000407	0.00173	0.125	0.0000104	5.81	9.19	0.0858	0.00219	31.9	0.0049	0.011	0.000665	0.000879	0.000383	0.33	0.00000572	0.00106	0.000851	0.00199
2109 Jan	0.000407	0.00173	0.125	0.0000104	5.81	9.19	0.0858	0.00219	31.9	0.0049	0.011	0.000665	0.000879	0.000383	0.33	0.00000572	0.00106	0.000851	0.00199
2109 Feb	0.000407	0.00173	0.125	0.0000104	5.81	9.19	0.0858	0.00219	31.9	0.0049	0.011	0.000665	0.000879	0.000383	0.33	0.00000572	0.00106	0.000851	0.00199
2109 Mar	0.000407	0.00173	0.125	0.0000104	5.81	9.2	0.0858	0.00219	31.9	0.0049	0.011	0.000665	0.000879	0.000383	0.33	0.00000572	0.00106	0.000851	0.00199
2109 Apr	0.000407	0.00173	0.125	0.0000104	5.81	9.2	0.0859	0.00219	31.9	0.0049	0.011	0.000665	0.000879	0.000383	0.33	0.00000572	0.00106	0.000851	0.002
2109 May	0.000408	0.00173	0.125	0.0000104	5.79	9.18	0.0859	0.00218	31.9	0.00489	0.011	0.000666	0.000877	0.000382	0.329	0.0000057	0.00106	0.000852	0.002
2109 Jun	0.000409	0.00172	0.126	0.0000104	5.76	9.15	0.0859	0.00217	31.7	0.00486	0.011	0.000666	0.000872	0.00038	0.328	0.00000568	0.00105	0.000854	0.002
2109 Jul	0.000409	0.00172	0.126	0.0000104	5.77	9.16	0.086	0.00217	31.7	0.00487	0.011	0.000667	0.000872	0.00038	0.328	0.00000569	0.00105	0.000856	0.002
2109 Aug	0.00041	0.00173	0.126	0.0000104	5.77	9.17	0.0861	0.00217	31.7	0.00487	0.011	0.000668	0.000873	0.00038	0.329	0.00000569	0.00105	0.000857	0.002
2109 Sep	0.00041	0.00173	0.126	0.0000104	5.76	9.18	0.086	0.00217	31.8	0.00487	0.011	0.000668	0.000873	0.00038	0.328	0.00000568	0.00105	0.000856	0.002
2109 Oct	0.000407	0.00173	0.126	0.0000104	5.76	9.2	0.0856	0.00218	32	0.00488	0.011	0.000664	0.000874	0.000381	0.328	0.00000568	0.00105	0.00085	0.002

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2109 Nov	0.000407	0.00173	0.126	0.0000104	5.76	9.2	0.0855	0.00218	32	0.00488	0.011	0.000664	0.000875	0.000381	0.328	0.00000568	0.00105	0.00085	0.002
2109 Dec	0.000407	0.00173	0.126	0.0000104	5.76	9.2	0.0856	0.00218	32	0.00488	0.011	0.000664	0.000875	0.000381	0.328	0.00000568	0.00105	0.00085	0.002
2110 Jan	0.000407	0.00173	0.126	0.0000104	5.76	9.2	0.0856	0.00218	32	0.00488	0.011	0.000664	0.000875	0.000381	0.328	0.00000568	0.00105	0.00085	0.002
2110 Feb	0.000407	0.00173	0.126	0.0000104	5.76	9.2	0.0856	0.00218	32	0.00488	0.011	0.000664	0.000875	0.000381	0.328	0.00000568	0.00105	0.00085	0.002
2110 Mar	0.000407	0.00173	0.126	0.0000104	5.76	9.2	0.0856	0.00218	32	0.00489	0.011	0.000664	0.000875	0.000381	0.328	0.00000569	0.00105	0.00085	0.002
2110 Apr	0.000407	0.00173	0.126	0.0000104	5.76	9.2	0.0856	0.00218	32	0.00489	0.011	0.000664	0.000875	0.000381	0.328	0.00000569	0.00105	0.00085	0.002
2110 May	0.000408	0.00173	0.126	0.0000104	5.77	9.22	0.0857	0.00218	32.1	0.0049	0.011	0.000666	0.000877	0.000382	0.329	0.00000569	0.00105	0.000851	0.002
2110 Jun	0.000412	0.00175	0.126	0.0000104	5.84	9.33	0.0868	0.00221	32.5	0.00495	0.011	0.000675	0.000887	0.000387	0.332	0.00000574	0.00107	0.000859	0.002
2110 Jul	0.000412	0.00175	0.126	0.0000104	5.86	9.34	0.0869	0.00222	32.5	0.00495	0.011	0.000676	0.000889	0.000387	0.333	0.00000576	0.00107	0.00086	0.002
2110 Aug	0.000409	0.00174	0.125	0.0000104	5.89	9.32	0.0865	0.00224	32.3	0.00496	0.011	0.000672	0.000892	0.000388	0.334	0.00000581	0.00108	0.000853	0.002
2110 Sep	0.000405	0.00174	0.124	0.0000104	5.94	9.34	0.0861	0.00226	32.3	0.00497	0.0109	0.000667	0.000896	0.000391	0.336	0.00000585	0.00109	0.000844	0.00199
2110 Oct	0.000402	0.00174	0.122	0.0000104	5.98	9.35	0.0856	0.00228	32.4	0.00499	0.0109	0.000663	0.000899	0.000392	0.337	0.00000589	0.0011	0.000835	0.00198
2110 Nov	0.000401	0.00174	0.122	0.0000104	5.99	9.36	0.0855	0.00229	32.4	0.00499	0.0109	0.000662	0.0009	0.000393	0.338	0.00000591	0.00111	0.000833	0.00198
2110 Dec	0.000401	0.00174	0.122	0.0000104	5.99	9.36	0.0855	0.00229	32.4	0.00499	0.0109	0.000662	0.0009	0.000393	0.338	0.00000591	0.00111	0.000833	0.00198
2111 Jan	0.000401	0.00174	0.122	0.0000104	5.99	9.36	0.0855	0.00229	32.4	0.00499	0.0109	0.000662	0.0009	0.000393	0.338	0.00000591	0.00111	0.000833	0.00198
2111 Feb	0.000401	0.00174	0.122	0.0000104	5.99	9.36	0.0855	0.00229	32.4	0.00499	0.0109	0.000662	0.0009	0.000393	0.338	0.00000591	0.00111	0.000833	0.00198
2111 Mar	0.000401	0.00174	0.122	0.0000104	5.99	9.36	0.0855	0.00229	32.4	0.00499	0.0109	0.000662	0.0009	0.000393	0.338	0.00000591	0.00111	0.000833	0.00198
2111 Apr	0.000401	0.00174	0.122	0.0000104	6	9.36	0.0856	0.00229	32.4	0.005	0.0109	0.000662	0.000901	0.000393	0.338	0.00000591	0.00111	0.000833	0.00198
2111 May	0.000402	0.00174	0.122	0.0000104	6	9.37	0.0857	0.00229	32.3	0.005	0.0109	0.000663	0.000901	0.000393	0.338	0.00000592	0.00111	0.000835	0.00198
2111 Jun	0.000405	0.00174	0.123	0.0000104	6.04	9.34	0.0863	0.0023	31.9	0.00498	0.0109	0.000668	0.000899	0.000394	0.34	0.00000595	0.00112	0.000838	0.00198
2111 Jul	0.000406	0.00174	0.123	0.0000104	6.06	9.36	0.0865	0.00231	32	0.005	0.0109	0.00067	0.000902	0.000395	0.341	0.00000596	0.00112	0.000841	0.00198
2111 Aug	0.000405	0.00174	0.123	0.0000104	6.05	9.35	0.0864	0.00231	32	0.00499	0.0109	0.000669	0.000901	0.000394	0.34	0.00000596	0.00112	0.000839	0.00198
2111 Sep	0.000404	0.00174	0.123	0.0000104	6.05	9.35	0.0862	0.00231	32	0.00499	0.0109	0.000667	0.000901	0.000394	0.34	0.00000596	0.00112	0.000837	0.00198
2111 Oct	0.000402	0.00174	0.122	0.0000104	6.06	9.37	0.0859	0.00232	32.1	0.005	0.0109	0.000665	0.000903	0.000395	0.341	0.00000597	0.00112	0.000831	0.00197
2111 Nov	0.0004	0.00174	0.121	0.0000104	6.08	9.37	0.0857	0.00233	32.1	0.00501	0.0109	0.000662	0.000904	0.000396	0.341	0.00000598	0.00113	0.000828	0.00197
2111 Dec	0.0004	0.00174	0.121	0.0000104	6.08	9.37	0.0857	0.00233	32.2	0.00501	0.0109	0.000662	0.000904	0.000396	0.341	0.00000598	0.00113	0.000828	0.00197
2112 Jan	0.0004	0.00174	0.121	0.0000104	6.08	9.37	0.0857	0.00233	32.2	0.00501	0.0109	0.000663	0.000904	0.000396	0.341	0.00000598	0.00113	0.000828	0.00197
2112 Feb	0.0004	0.00174	0.121	0.0000104	6.08	9.37	0.0857	0.00233	32.2	0.00501	0.0109	0.000663	0.000904	0.000396	0.341	0.00000598	0.00113	0.000828	0.00197
2112 Mar	0.0004	0.00174	0.121	0.0000104	6.08	9.37	0.0857	0.00233	32.2	0.00501	0.0109	0.000663	0.000904	0.000396	0.341	0.00000598	0.00113	0.000828	0.00197
2112 Apr	0.000401	0.00174	0.121	0.0000104	6.08	9.38	0.0857	0.00233	32.2	0.00501	0.0109	0.000663	0.000905	0.000396	0.341	0.00000599	0.00113	0.000828	0.00197
2112 May	0.000402	0.00174	0.122	0.0000104	6.09	9.4	0.086	0.00233	32.2	0.00502	0.0109	0.000665	0.000906	0.000397	0.342	0.000006	0.00113	0.000831	0.00197
2112 Jun	0.000405	0.00173	0.122	0.0000103	6.17	9.37	0.0869	0.00236	31.7	0.005	0.0108	0.000672	0.000908	0.000398	0.345	0.00000606	0.00114	0.000835	0.00196
2112 Jul	0.000404	0.00173	0.122	0.0000103	6.2	9.37	0.0869	0.00237	31.5	0.00501	0.0108	0.000672	0.00091	0.000399	0.346	0.00000609	0.00115	0.000835	0.00196
2112 Aug	0.000405	0.00173	0.122	0.0000103	6.21	9.39	0.0871	0.00237	31.6	0.00502	0.0108	0.000673	0.000912	0.0004	0.347	0.0000061	0.00115	0.000836	0.00196
2112 Sep	0.000405	0.00173	0.122	0.0000103	6.21	9.4	0.0871	0.00237	31.7	0.00502	0.0108	0.000674	0.000913	0.0004	0.347	0.0000061	0.00115	0.000836	0.00196
2112 Oct	0.000405	0.00174	0.122	0.0000103	6.21	9.42	0.087	0.00237	31.8	0.00503	0.0108	0.000673	0.000914	0.000401	0.347	0.00000609	0.00115	0.000836	0.00196
2112 Nov	0.000405	0.00174	0.122	0.0000103	6.21	9.42	0.087	0.00237	31.9	0.00503	0.0108	0.000673	0.000914	0.000401	0.347	0.00000609	0.00115	0.000836	0.00197
2112 Dec	0.000405	0.00174	0.122	0.0000103	6.21	9.42	0.087	0.00237	31.9	0.00503	0.0108	0.000674	0.000914	0.000401	0.347	0.00000609	0.00115	0.000836	0.00197
2113 Jan	0.000405	0.00174	0.122	0.0000103	6.21	9.42	0.087	0.00237	31.9	0.00503	0.0108	0.000674	0.000915	0.000401	0.347	0.00000609	0.00115	0.000836	0.00197
2113 Feb	0.000405	0.00174	0.122	0.0000103	6.21	9.42	0.087	0.00237	31.9	0.00503	0.0108	0.000674	0.000915	0.000401	0.347	0.00000609	0.00115	0.000836	0.00197
2113 Mar	0.000405	0.00174	0.122	0.0000103	6.21	9.43	0.0871	0.00237	31.9	0.00504	0.0108	0.000674	0.000915	0.000401	0.347	0.0000061	0.00115	0.000836	0.00197
2113 Apr	0.000405	0.00174	0.122	0.0000103	6.21	9.43	0.0871	0.00237	31.9	0.00504	0.0108	0.000674	0.000915	0.000401	0.347	0.0000061	0.00115	0.000836	0.00197
2113 May	0.000406	0.00174	0.122	0.0000103	6.21	9.46	0.0873	0.00237	32.1	0.00505	0.0108	0.000676	0.000917	0.000402	0.347	0.00000609	0.00115	0.000839	0.00197
2113 Jun	0.000409	0.00175	0.123	0.0000103	6.2	9.51	0.0879	0.00237	32.4	0.00506	0.0108	0.000682	0.00092	0.000403	0.347	0.00000608	0.00115	0.000845	0.00197
2113 Jul	0.00041	0.00175	0.123	0.0000103	6.21	9.53	0.088	0.00238	32.4	0.00507	0.0108	0.000683	0.000921	0.000404	0.348	0.00000609	0.00115	0.000847	0.00198
2113 Aug	0.00041	0.00175	0.123	0.0000103	6.22	9.54	0.0882	0.00238	32.4	0.00508	0.0108	0.000684	0.000923	0.000404	0.348	0.0000061	0.00116	0.000848	0.00198
2113 Sep	0.00041	0.00176	0.123	0.0000103	6.21	9.55	0.0881	0.00238	32.6	0.00508	0.0108	0.000684	0.000923	0.000404	0.348	0.00000609	0.00115	0.000848	0.00198
2113 Oct	0.000407	0.00176	0.122	0.0000103	6.2	9.56	0.0876	0.00238	32.7	0.00509	0.0108	0.00068	0.000923	0.000404	0.347	0.00000608	0.00115	0.000842	0.00197
2113 Nov	0.000407	0.00176	0.122	0.0000103	6.21	9.57	0.0875	0.00238	32.7	0.00509	0.0108	0.000679	0.000924	0.000405	0.347	0.00000608	0.00115	0.00084	0.00197
2113 Dec	0.000407	0.00176	0.122	0.0000103	6.21	9.57	0.0875	0.00238	32.7	0.00509	0.0108	0.000679	0.000924	0.000405	0.347	0.00000608	0.00115	0.00084	0.00197
2114 Jan	0.000407	0.00176	0.122	0.0000103	6.21	9.57	0.0875	0.00238	32.7	0.00509	0.0108	0.000679	0.000924	0.000405	0.347	0.00000608	0.00115	0.00084	0.00197
2114 Feb	0.000407	0.00176	0.122	0.0000103	6.21	9.57	0.0875	0.00238	32.7	0.00509	0.0108	0.000679	0.000924	0.000405	0.347	0.00000608	0.00115	0.00084	0.00197
2114 Mar	0.000407	0.00176	0.122	0.0000103	6.21	9.57	0.0875	0.00238	32.7	0.00509	0.0108	0.000679	0.000924	0.000405	0.347	0.00000608	0.00115	0.00084	0.00197
2114 Apr	0.000407	0.00176	0.122	0.0000103	6.21	9.57	0.0875	0.00238	32.7	0.00509	0.0108	0.000679	0.000924	0.000405	0.347	0.00000609	0.00115	0.00084	0.00197
2114 May	0.000408	0.00176	0.122	0.0000103	6.22	9.59	0.0878	0.00239	32.8	0.0051	0.0108	0.000682	0.000926	0.000406	0.348	0.00000609	0.00116	0.000842	0.00197
2114 Jun	0.00041	0.00176	0.123	0.0000103	6.24	9.62	0.0882	0.0024	32.9	0.00511	0.0108	0.000686	0.000928	0.000407	0.349	0.00000611	0.00116	0.000846	0.00197
2114 Jul	0.000411	0.00177	0.123	0.0000103	6.26	9.65	0.0885	0.0024	33	0.00513	0.0108	0.000688	0.000931	0.000408	0.35	0.00000612	0.00116	0.000849	0.00198
2114 Aug	0.000413	0.00177	0.123	0.0000103	6.27	9.67	0.0887	0.00241	33	0.00514	0.0109	0.00069	0.000933	0.000409	0.351	0.00000614	0.00117	0.000851	0.00198
2114 Sep	0.000413	0.00177	0.123	0.0000103	6.27	9.69	0.0887	0.00241	33.1	0.00514	0.0109	0.00069	0.000933	0.000409	0.351	0.00000613	0.00117	0.000851	0.00198
2114 Oct	0.000412	0.00178	0.123	0.0000103	6.25	9.71	0.0886	0.0024	33.4	0.00515	0.0109	0.000689	0.000934	0.000409	0.35	0.00000611	0.00116	0.000851	0.00198
2114 Nov	0.000412	0.00178	0.123	0.0000103	6.23	9.74	0.0884	0.0024	33.6	0.00516	0.0109	0.000688	0.000934	0.000409	0.35	0.00000609	0.00116	0.000849	0.00198
2114 Dec	0.000412	0.00178	0.123	0.0000103	6.23	9.74	0.0884	0.0024	33.6	0.00516	0.0109	0.000688	0.000935	0.000409	0.35	0.00000609	0.00116	0.000849	0.00198
2115 Jan	0.000412	0.00178	0.123	0.0000103	6.23	9.74	0.0884	0.0024	33.6	0.00516	0.0109	0.000688	0.000935	0.000409	0.35	0.00000609	0.00116	0.000849	0.00198
2115 Feb	0.000412	0.00178	0.123	0.0000103	6.23	9.74	0.0884	0.0024	33.6	0.00516	0.0109	0.000688	0.000935	0.000409	0.35	0.00000609	0.00116	0.000849	0.00198
2115 Mar	0.000412	0.00178	0.123	0.0000103	6.23	9.74	0.0884	0.0024	33.6	0.00516	0.0109	0.000688	0.000935	0.000409	0.35	0.00000609	0.00116	0.000849	0.00198
2115 Apr	0.000412	0.00178	0.123	0.0000103	6.23	9.74	0.0884	0.0024	33.7	0.00516	0.0109	0.000688	0.000935	0.00041	0.35	0.00000609	0.00116	0.000849	0.00198
2115 May	0.000413	0.00178	0.123	0.0000103	6.23	9.75	0.0886	0.0024	33.7	0.00517	0.0109	0.00069	0.000935	0.00041	0.35	0.00000609	0.00116	0.000851	0.00198
2115 Jun	0.000415	0.00179	0.124	0.0000103	6.23	9.78	0.089	0.0024	33.8	0.00517	0.0109	0.000693	0.000936	0.00041	0.35	0.00000609	0.00116	0.000855	0.00199
2115 Jul	0.000416	0.00179	0.124	0.0000104	6.25	9.8	0.0892	0.00241	33.8	0.00518	0.0109	0.000695	0.000938	0.000411	0.351	0.00000611	0.00116	0.000857	0.00199
2115 Aug	0.000416	0.00179	0.124	0.0000104	6.23	9.79	0.0891	0.0024	33.9	0.00518	0.0109	0.000695	0.000937	0.000411	0.35	0.00000609	0.00116	0.000856	0.00199
2115 Sep	0.000416	0.00179	0.124	0.0000104	6.22	9.8	0.089	0.0024	33.9	0.00518	0.0109	0.000694	0.000936	0.00041	0.35	0.00000608	0.00115	0.000856	0.00199
2115 Oct	0.000416	0.0018	0.124	0.0000104	6.22	9.81	0.089	0.0024	34	0.00519	0.0109	0.000694	0.000937	0.000411	0.35	0.00000608	0.00115	0.000855	0.00199
2115 Nov	0.000415	0.0018	0.124	0.0000104	6.21	9.83	0.0889	0.0024	34.2	0.00519	0.0109	0.000694	0.000937	0.000411	0.35	0.00000607	0.00115	0.000854	0.00199

Appendix D.3-4: F ZONE Pit Lake

Constituents	Chromium	Copper	Iron	Mercury	Potassium	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Selenium	Strontium	Thallium	Uranium	Vanadium	Zinc
2115 Dec	0.000415	0.0018	0.124	0.0000104	6.21	9.83	0.0889	0.0024	34.2	0.00519	0.0109	0.000694	0.000937	0.000411	0.35	0.00000607	0.00115	0.000854	0.00199
2116 Jan	0.000415	0.0018	0.124	0.0000104	6.21	9.83	0.0889	0.0024	34.2	0.00519	0.0109	0.000694	0.000938	0.000411	0.35	0.00000607	0.00115	0.000854	0.00199
2116 Feb	0.000415	0.0018	0.124	0.0000104	6.21	9.83	0.0889	0.0024	34.2	0.00519	0.0109	0.000694	0.000938	0.000411	0.35	0.00000607	0.00115	0.000854	0.00199
2116 Mar	0.000415	0.0018	0.124	0.0000104	6.21	9.83	0.0889	0.0024	34.2	0.0052	0.0109	0.000694	0.000938	0.000411	0.35	0.00000607	0.00115	0.000854	0.00199
2116 Apr	0.000415	0.0018	0.124	0.0000104	6.21	9.83	0.089	0.0024	34.2	0.0052	0.0109	0.000694	0.000938	0.000411	0.35	0.00000607	0.00115	0.000854	0.00199
2116 May	0.000417	0.00181	0.124	0.0000104	6.22	9.88	0.0893	0.0024	34.5	0.00522	0.0109	0.000697	0.000941	0.000412	0.35	0.00000607	0.00115	0.000857	0.00199
2116 Jun	0.000423	0.00181	0.125	0.0000104	6.28	9.94	0.0906	0.00242	34.5	0.00525	0.0109	0.000709	0.000947	0.000416	0.354	0.00000611	0.00117	0.000868	0.00199
2116 Jul	0.000424	0.00181	0.126	0.0000104	6.31	9.96	0.0909	0.00243	34.6	0.00526	0.0109	0.000711	0.00095	0.000417	0.355	0.00000614	0.00117	0.00087	0.002
2116 Aug	0.000425	0.00182	0.126	0.0000104	6.32	9.98	0.091	0.00244	34.6	0.00527	0.0109	0.000712	0.000952	0.000418	0.356	0.00000615	0.00117	0.000872	0.002
2116 Sep	0.000424	0.00182	0.126	0.0000104	6.31	9.99	0.0909	0.00244	34.7	0.00527	0.0109	0.000711	0.000953	0.000418	0.356	0.00000615	0.00117	0.000871	0.002
2116 Oct	0.000422	0.00182	0.125	0.0000104	6.3	10	0.0905	0.00244	34.9	0.00528	0.0109	0.000708	0.000953	0.000418	0.355	0.00000614	0.00117	0.000867	0.002
2116 Nov	0.000422	0.00182	0.125	0.0000104	6.3	10	0.0905	0.00244	34.9	0.00529	0.0109	0.000708	0.000954	0.000418	0.355	0.00000614	0.00117	0.000867	0.002
2116 Dec	0.000422	0.00182	0.125	0.0000104	6.3	10	0.0905	0.00244	34.9	0.00529	0.0109	0.000708	0.000954	0.000418	0.355	0.00000614	0.00117	0.000867	0.002
2117 Jan	0.000422	0.00182	0.125	0.0000104	6.3	10	0.0905	0.00244	34.9	0.00529	0.0109	0.000708	0.000954	0.000418	0.355	0.00000614	0.00117	0.000867	0.002
2117 Feb	0.000422	0.00182	0.125	0.0000104	6.3	10	0.0905	0.00244	34.9	0.00529	0.0109	0.000708	0.000954	0.000418	0.355	0.00000614	0.00117	0.000867	0.002
2117 Mar	0.000422	0.00182	0.125	0.0000104	6.3	10	0.0905	0.00244	34.9	0.00529	0.0109	0.000708	0.000954	0.000418	0.355	0.00000614	0.00117	0.000867	0.002
2117 Apr	0.000422	0.00182	0.125	0.0000104	6.31	10	0.0905	0.00244	34.9	0.00529	0.0109	0.000708	0.000954	0.000418	0.355	0.00000614	0.00117	0.000867	0.002
2117 May	0.000423	0.00182	0.125	0.0000104	6.31	10	0.0907	0.00244	35	0.00529	0.0109	0.000709	0.000955	0.000419	0.356	0.00000614	0.00117	0.000869	0.002
2117 Jun	0.000425	0.00182	0.126	0.0000104	6.31	10	0.091	0.00244	34.9	0.00529	0.011	0.000712	0.000954	0.000419	0.356	0.00000615	0.00117	0.000872	0.002
2117 Jul	0.000426	0.00183	0.126	0.0000105	6.33	10	0.0912	0.00245	35	0.0053	0.011	0.000714	0.000956	0.00042	0.357	0.00000616	0.00118	0.000874	0.00201
2117 Aug	0.000427	0.00183	0.126	0.0000105	6.34	10.1	0.0913	0.00245	35	0.00531	0.011	0.000715	0.000957	0.00042	0.357	0.00000617	0.00118	0.000875	0.00201
2117 Sep	0.000427	0.00183	0.127	0.0000105	6.34	10.1	0.0914	0.00245	35	0.00531	0.011	0.000715	0.000958	0.00042	0.358	0.00000617	0.00118	0.000876	0.00201
2117 Oct	0.000427	0.00183	0.127	0.0000105	6.33	10.1	0.0914	0.00245	35.1	0.00532	0.011	0.000715	0.000958	0.00042	0.357	0.00000616	0.00118	0.000876	0.00201
2117 Nov	0.000427	0.00183	0.127	0.0000105	6.33	10.1	0.0913	0.00245	35.2	0.00532	0.011	0.000715	0.000958	0.00042	0.357	0.00000616	0.00117	0.000876	0.00201
2117 Dec	0.000427	0.00183	0.127	0.0000105	6.33	10.1	0.0913	0.00245	35.2	0.00532	0.011	0.000715	0.000958	0.00042	0.357	0.00000616	0.00117	0.000876	0.00201
2118 Jan	0.000427	0.00183	0.127	0.0000105	6.33	10.1	0.0913	0.00245	35.2	0.00532	0.011	0.000715	0.000958	0.00042	0.357	0.00000616	0.00117	0.000876	0.00201
2118 Feb	0.000427	0.00183	0.127	0.0000105	6.33	10.1	0.0913	0.00245	35.2	0.00532	0.011	0.000715	0.000958	0.00042	0.357	0.00000616	0.00117	0.000876	0.00201
2118 Mar	0.000427	0.00183	0.127	0.0000105	6.33	10.1	0.0913	0.00245	35.2	0.00532	0.011	0.000715	0.000958	0.00042	0.357	0.00000616	0.00117	0.000876	0.00201
2118 Apr	0.000427	0.00183	0.127	0.0000105	6.33	10.1	0.0914	0.00245	35.2	0.00532	0.011	0.000715	0.000958	0.000421	0.357	0.00000616	0.00117	0.000876	0.00201
2118 May	0.00043	0.00183	0.128	0.0000105	6.3	10.1	0.0917	0.00244	35.1	0.0053	0.011	0.000719	0.000954	0.000419	0.356	0.00000613	0.00117	0.000881	0.00201
2118 Jun	0.000435	0.00183	0.129	0.0000105	6.33	10	0.0927	0.00243	34.5	0.00527	0.011	0.000726	0.00095	0.000418	0.358	0.00000615	0.00117	0.00089	0.00201
2118 Jul	0.000436	0.00183	0.13	0.0000105	6.35	10	0.093	0.00244	34.6	0.00529	0.0111	0.000729	0.000952	0.000419	0.359	0.00000617	0.00117	0.000893	0.00202
2118 Aug	0.000436	0.00183	0.13	0.0000105	6.35	10	0.093	0.00244	34.6	0.00529	0.0111	0.000729	0.000953	0.000419	0.359	0.00000617	0.00118	0.000893	0.00202
2118 Sep	0.000434	0.00183	0.129	0.0000105	6.35	10	0.0926	0.00245	34.7	0.0053	0.0111	0.000726	0.000953	0.00042	0.359	0.00000617	0.00118	0.000889	0.00201
2118 Oct	0.000432	0.00183	0.128	0.0000105	6.38	10.1	0.0924	0.00246	34.8	0.00531	0.011	0.000723	0.000957	0.000421	0.36	0.00000619	0.00118	0.000883	0.00201
2118 Nov	0.000432	0.00183	0.128	0.0000105	6.39	10.1	0.0923	0.00247	34.8	0.00532	0.011	0.000722	0.000958	0.000422	0.36	0.0000062	0.00119	0.000882	0.00201
2118 Dec	0.000432	0.00183	0.128	0.0000105	6.39	10.1	0.0923	0.00247	34.8	0.00532	0.011	0.000722	0.000958	0.000422	0.36	0.0000062	0.00119	0.000882	0.00201
2119 Jan	0.000432	0.00183	0.128	0.0000105	6.39	10.1	0.0923	0.00247	34.8	0.00532	0.011	0.000722	0.000958	0.000422	0.36	0.0000062	0.00119	0.000882	0.00201
2119 Feb	0.000432	0.00183	0.128	0.0000105	6.39	10.1	0.0923	0.00247	34.8	0.00532	0.011	0.000722	0.000958	0.000422	0.36	0.0000062	0.00119	0.000882	0.00201
2119 Mar	0.000432	0.00183	0.128	0.0000105	6.39	10.1	0.0923	0.00247	34.8	0.00532	0.011	0.000722	0.000958	0.000422	0.36	0.0000062	0.00119	0.000882	0.00201
2119 Apr	0.000432	0.00184	0.128	0.0000105	6.39	10.1	0.0924	0.00247	34.8	0.00532	0.011	0.000723	0.000959	0.000422	0.36	0.00000621	0.00119	0.000883	0.00201
2119 May	0.000439	0.00184	0.13	0.0000105	6.44	10.1	0.0938	0.00248	34.6	0.00532	0.0111	0.000728	0.000958	0.000423	0.363	0.00000624	0.00119	0.000894	0.002
2119 Jun	0.000442	0.00184	0.131	0.0000105	6.48	10.1	0.0944	0.00249	34.3	0.00532	0.0111	0.000731	0.000959	0.000423	0.365	0.00000627	0.0012	0.000898	0.002
2119 Jul	0.000443	0.00184	0.131	0.0000105	6.5	10.1	0.0946	0.0025	34.4	0.00533	0.0111	0.000733	0.000962	0.000424	0.366	0.00000629	0.00121	0.000901	0.00201
2119 Aug	0.000444	0.00184	0.131	0.0000105	6.51	10.1	0.0948	0.0025	34.4	0.00534	0.0111	0.000734	0.000963	0.000425	0.367	0.00000629	0.00121	0.000902	0.00201
2119 Sep	0.000443	0.00184	0.131	0.0000105	6.49	10.1	0.0946	0.0025	34.5	0.00534	0.0111	0.000733	0.000963	0.000425	0.366	0.00000628	0.0012	0.000901	0.00201
2119 Oct	0.000442	0.00184	0.131	0.0000105	6.49	10.1	0.0944	0.0025	34.6	0.00535	0.0111	0.000731	0.000963	0.000425	0.366	0.00000627	0.0012	0.000898	0.00201
2119 Nov	0.000442	0.00184	0.13	0.0000105	6.49	10.1	0.0943	0.0025	34.7	0.00535	0.0111	0.00073	0.000964	0.000425	0.366	0.00000627	0.0012	0.000897	0.00201
2119 Dec	0.000442	0.00184	0.13	0.0000105	6.49	10.1	0.0943	0.0025	34.7	0.00535	0.0111	0.00073	0.000964	0.000425	0.366	0.00000628	0.0012	0.000897	0.00201

Appendix D.3-4: F ZONE Pit Lake

Constituents	**Radium 226**
Unit:	Bq/L
Post Closure (2051-2119): Min	0.000436
Post Closure (2051-2119): Mean	0.00074
Post Closure (2051-2119): Max	0.00101
Water quality guideline for the protection of aquatic life	**-**
Note: Calculation of mean excludes zero values; Values hig	
Model Predictions	
2051 Jan	0.00046
2051 Feb	0.00046
2051 Mar	0.00046
2051 Apr	0.00046
2051 May	0.00046
2051 Jun	0.000454
2051 Jul	0.000451
2051 Aug	0.00045
2051 Sep	0.000446
2051 Oct	0.000439
2051 Nov	0.000439
2051 Dec	0.000439
2052 Jan	0.000439
2052 Feb	0.000439
2052 Mar	0.000439
2052 Apr	0.000439
2052 May	0.000438
2052 Jun	0.000436
2052 Jul	0.000438
2052 Aug	0.000439
2052 Sep	0.00044
2052 Oct	0.000441
2052 Nov	0.000441
2052 Dec	0.000441
2053 Jan	0.000441
2053 Feb	0.000441
2053 Mar	0.000441
2053 Apr	0.000442
2053 May	0.000448
2053 Jun	0.000473
2053 Jul	0.000478
2053 Aug	0.000479
2053 Sep	0.000479
2053 Oct	0.000479
2053 Nov	0.000479
2053 Dec	0.000479
2054 Jan	0.000479
2054 Feb	0.000479
2054 Mar	0.000479
2054 Apr	0.000479
2054 May	0.00048
2054 Jun	0.000492
2054 Jul	0.000497
2054 Aug	0.000499
2054 Sep	0.0005
2054 Oct	0.000502
2054 Nov	0.000503
2054 Dec	0.000503
2055 Jan	0.000503
2055 Feb	0.000503
2055 Mar	0.000503
2055 Apr	0.000503
2055 May	0.000503
2055 Jun	0.000514
2055 Jul	0.000519
2055 Aug	0.00052
2055 Sep	0.000521
2055 Oct	0.000521
2055 Nov	0.000521
2055 Dec	0.000521
2056 Jan	0.000521
2056 Feb	0.000521

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2056 Mar	0.000521
2056 Apr	0.000521
2056 May	0.000522
2056 Jun	0.000521
2056 Jul	0.000522
2056 Aug	0.000522
2056 Sep	0.000523
2056 Oct	0.000524
2056 Nov	0.000524
2056 Dec	0.000524
2057 Jan	0.000524
2057 Feb	0.000524
2057 Mar	0.000524
2057 Apr	0.000524
2057 May	0.000525
2057 Jun	0.000523
2057 Jul	0.000524
2057 Aug	0.000526
2057 Sep	0.000526
2057 Oct	0.000526
2057 Nov	0.000526
2057 Dec	0.000526
2058 Jan	0.000526
2058 Feb	0.000526
2058 Mar	0.000526
2058 Apr	0.000526
2058 May	0.000531
2058 Jun	0.000547
2058 Jul	0.00055
2058 Aug	0.000551
2058 Sep	0.000551
2058 Oct	0.000552
2058 Nov	0.000553
2058 Dec	0.000553
2059 Jan	0.000553
2059 Feb	0.000553
2059 Mar	0.000553
2059 Apr	0.000553
2059 May	0.000554
2059 Jun	0.000557
2059 Jul	0.000559
2059 Aug	0.00056
2059 Sep	0.00056
2059 Oct	0.000561
2059 Nov	0.000561
2059 Dec	0.000561
2060 Jan	0.000561
2060 Feb	0.000561
2060 Mar	0.000561
2060 Apr	0.000561
2060 May	0.000562
2060 Jun	0.00056
2060 Jul	0.000562
2060 Aug	0.000562
2060 Sep	0.000563
2060 Oct	0.000563
2060 Nov	0.000564
2060 Dec	0.000564
2061 Jan	0.000564
2061 Feb	0.000564
2061 Mar	0.000564
2061 Apr	0.000564
2061 May	0.000568
2061 Jun	0.000575
2061 Jul	0.000577
2061 Aug	0.000578
2061 Sep	0.000578
2061 Oct	0.00058
2061 Nov	0.000581
2061 Dec	0.000581
2062 Jan	0.000581

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2062 Feb	0.000581
2062 Mar	0.000581
2062 Apr	0.000581
2062 May	0.000582
2062 Jun	0.000581
2062 Jul	0.000582
2062 Aug	0.000583
2062 Sep	0.000584
2062 Oct	0.00059
2062 Nov	0.00059
2062 Dec	0.00059
2063 Jan	0.00059
2063 Feb	0.00059
2063 Mar	0.00059
2063 Apr	0.00059
2063 May	0.000591
2063 Jun	0.000587
2063 Jul	0.000588
2063 Aug	0.00059
2063 Sep	0.00059
2063 Oct	0.000591
2063 Nov	0.000591
2063 Dec	0.000591
2064 Jan	0.000591
2064 Feb	0.000591
2064 Mar	0.000591
2064 Apr	0.000591
2064 May	0.000594
2064 Jun	0.000599
2064 Jul	0.0006
2064 Aug	0.000601
2064 Sep	0.000602
2064 Oct	0.000603
2064 Nov	0.000603
2064 Dec	0.000603
2065 Jan	0.000603
2065 Feb	0.000603
2065 Mar	0.000603
2065 Apr	0.000603
2065 May	0.000606
2065 Jun	0.00061
2065 Jul	0.000612
2065 Aug	0.000613
2065 Sep	0.000614
2065 Oct	0.000617
2065 Nov	0.000618
2065 Dec	0.000618
2066 Jan	0.000618
2066 Feb	0.000618
2066 Mar	0.000618
2066 Apr	0.000618
2066 May	0.000619
2066 Jun	0.000617
2066 Jul	0.000619
2066 Aug	0.000621
2066 Sep	0.000621
2066 Oct	0.000623
2066 Nov	0.000623
2066 Dec	0.000623
2067 Jan	0.000623
2067 Feb	0.000623
2067 Mar	0.000623
2067 Apr	0.000623
2067 May	0.000624
2067 Jun	0.000621
2067 Jul	0.000623
2067 Aug	0.000624
2067 Sep	0.000624
2067 Oct	0.000626
2067 Nov	0.000626
2067 Dec	0.000626

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2068 Jan	0.000626

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2068 Feb	0.000626
2068 Mar	0.000626
2068 Apr	0.000626
2068 May	0.000627
2068 Jun	0.000626
2068 Jul	0.000628
2068 Aug	0.00063
2068 Sep	0.00063
2068 Oct	0.000631
2068 Nov	0.000631
2068 Dec	0.000631
2069 Jan	0.000631
2069 Feb	0.000631
2069 Mar	0.000631
2069 Apr	0.000631
2069 May	0.000632
2069 Jun	0.00063
2069 Jul	0.00063
2069 Aug	0.000631
2069 Sep	0.000631
2069 Oct	0.000632
2069 Nov	0.000633
2069 Dec	0.000633
2070 Jan	0.000633
2070 Feb	0.000633
2070 Mar	0.000633
2070 Apr	0.000633
2070 May	0.000633
2070 Jun	0.000631
2070 Jul	0.000632
2070 Aug	0.000633
2070 Sep	0.000633
2070 Oct	0.000633
2070 Nov	0.000633
2070 Dec	0.000633
2071 Jan	0.000633
2071 Feb	0.000633
2071 Mar	0.000633
2071 Apr	0.000633
2071 May	0.000633
2071 Jun	0.000631
2071 Jul	0.000632
2071 Aug	0.000633
2071 Sep	0.000633
2071 Oct	0.000633
2071 Nov	0.000633
2071 Dec	0.000633
2072 Jan	0.000633
2072 Feb	0.000633
2072 Mar	0.000633
2072 Apr	0.000633
2072 May	0.000634
2072 Jun	0.00063
2072 Jul	0.000629
2072 Aug	0.000629
2072 Sep	0.000628
2072 Oct	0.000629
2072 Nov	0.000629
2072 Dec	0.000629
2073 Jan	0.000629
2073 Feb	0.000629
2073 Mar	0.000629
2073 Apr	0.000629
2073 May	0.000633
2073 Jun	0.000637
2073 Jul	0.000638
2073 Aug	0.000639
2073 Sep	0.000639
2073 Oct	0.00064
2073 Nov	0.00064
2073 Dec	0.00064

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2074 Jan	0.00064

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2074 Feb	0.00064
2074 Mar	0.00064
2074 Apr	0.00064
2074 May	0.000644
2074 Jun	0.00065
2074 Jul	0.000652
2074 Aug	0.000654
2074 Sep	0.000655
2074 Oct	0.000656
2074 Nov	0.000657
2074 Dec	0.000657
2075 Jan	0.000657
2075 Feb	0.000657
2075 Mar	0.000657
2075 Apr	0.000657
2075 May	0.000659
2075 Jun	0.000664
2075 Jul	0.000667
2075 Aug	0.000668
2075 Sep	0.000668
2075 Oct	0.000669
2075 Nov	0.000669
2075 Dec	0.000669
2076 Jan	0.000669
2076 Feb	0.000669
2076 Mar	0.000669
2076 Apr	0.000669
2076 May	0.000669
2076 Jun	0.000662
2076 Jul	0.000664
2076 Aug	0.000665
2076 Sep	0.000665
2076 Oct	0.000666
2076 Nov	0.000666
2076 Dec	0.000666
2077 Jan	0.000666
2077 Feb	0.000666
2077 Mar	0.000666
2077 Apr	0.000666
2077 May	0.000667
2077 Jun	0.000666
2077 Jul	0.000667
2077 Aug	0.000669
2077 Sep	0.000668
2077 Oct	0.000668
2077 Nov	0.000668
2077 Dec	0.000668
2078 Jan	0.000668
2078 Feb	0.000668
2078 Mar	0.000668
2078 Apr	0.000668
2078 May	0.00067
2078 Jun	0.000672
2078 Jul	0.000673
2078 Aug	0.000674
2078 Sep	0.000675
2078 Oct	0.000676
2078 Nov	0.000676
2078 Dec	0.000676
2079 Jan	0.000676
2079 Feb	0.000676
2079 Mar	0.000676
2079 Apr	0.000677
2079 May	0.000677
2079 Jun	0.000676
2079 Jul	0.000677
2079 Aug	0.000679
2079 Sep	0.000679
2079 Oct	0.00068
2079 Nov	0.00068
2079 Dec	0.000681

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2080 Jan	0.000681
2080 Feb	0.000681
2080 Mar	0.000681
2080 Apr	0.000681
2080 May	0.000681
2080 Jun	0.000679
2080 Jul	0.00068
2080 Aug	0.00068
2080 Sep	0.00068
2080 Oct	0.000681
2080 Nov	0.000682
2080 Dec	0.000682
2081 Jan	0.000682
2081 Feb	0.000682
2081 Mar	0.000682
2081 Apr	0.000682
2081 May	0.000682
2081 Jun	0.000681
2081 Jul	0.000683
2081 Aug	0.000685
2081 Sep	0.000685
2081 Oct	0.000685
2081 Nov	0.000686
2081 Dec	0.000686
2082 Jan	0.000686
2082 Feb	0.000686
2082 Mar	0.000686
2082 Apr	0.000686
2082 May	0.000686
2082 Jun	0.000687
2082 Jul	0.000689
2082 Aug	0.00069
2082 Sep	0.00069
2082 Oct	0.00069
2082 Nov	0.00069
2082 Dec	0.00069
2083 Jan	0.00069
2083 Feb	0.00069
2083 Mar	0.00069
2083 Apr	0.00069
2083 May	0.000693
2083 Jun	0.000697
2083 Jul	0.000699
2083 Aug	0.0007
2083 Sep	0.000701
2083 Oct	0.000703
2083 Nov	0.000704
2083 Dec	0.000704
2084 Jan	0.000704
2084 Feb	0.000704
2084 Mar	0.000705
2084 Apr	0.000705
2084 May	0.000706
2084 Jun	0.000707
2084 Jul	0.000709
2084 Aug	0.00071
2084 Sep	0.000711
2084 Oct	0.000712
2084 Nov	0.000712
2084 Dec	0.000712
2085 Jan	0.000712
2085 Feb	0.000712
2085 Mar	0.000712
2085 Apr	0.000712
2085 May	0.000714
2085 Jun	0.000715
2085 Jul	0.000716
2085 Aug	0.000717
2085 Sep	0.000718
2085 Oct	0.000721
2085 Nov	0.000722

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2085 Dec	0.000722

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2086 Jan	0.000722
2086 Feb	0.000722
2086 Mar	0.000722
2086 Apr	0.000723
2086 May	0.000724
2086 Jun	0.000727
2086 Jul	0.00073
2086 Aug	0.000731
2086 Sep	0.000732
2086 Oct	0.000733
2086 Nov	0.000733
2086 Dec	0.000733
2087 Jan	0.000733
2087 Feb	0.000733
2087 Mar	0.000733
2087 Apr	0.000733
2087 May	0.000734
2087 Jun	0.000734
2087 Jul	0.000735
2087 Aug	0.000737
2087 Sep	0.000737
2087 Oct	0.000738
2087 Nov	0.000738
2087 Dec	0.000738
2088 Jan	0.000738
2088 Feb	0.000738
2088 Mar	0.000738
2088 Apr	0.000739
2088 May	0.000739
2088 Jun	0.000736
2088 Jul	0.000736
2088 Aug	0.000738
2088 Sep	0.000739
2088 Oct	0.000738
2088 Nov	0.000738
2088 Dec	0.000738
2089 Jan	0.000738
2089 Feb	0.000738
2089 Mar	0.000738
2089 Apr	0.000738
2089 May	0.000737
2089 Jun	0.00073
2089 Jul	0.000731
2089 Aug	0.000733
2089 Sep	0.000734
2089 Oct	0.000735
2089 Nov	0.000735
2089 Dec	0.000735
2090 Jan	0.000735
2090 Feb	0.000735
2090 Mar	0.000735
2090 Apr	0.000735
2090 May	0.000736
2090 Jun	0.000752
2090 Jul	0.000754
2090 Aug	0.000756
2090 Sep	0.000761
2090 Oct	0.000768
2090 Nov	0.00077
2090 Dec	0.00077
2091 Jan	0.00077
2091 Feb	0.00077
2091 Mar	0.00077
2091 Apr	0.000771
2091 May	0.000772
2091 Jun	0.000774
2091 Jul	0.000776
2091 Aug	0.000777
2091 Sep	0.000778
2091 Oct	0.000781
2091 Nov	0.000783

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2091 Dec	0.000784

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2092 Jan	0.000784
2092 Feb	0.000784
2092 Mar	0.000784
2092 Apr	0.000784
2092 May	0.000786
2092 Jun	0.000796
2092 Jul	0.0008
2092 Aug	0.000802
2092 Sep	0.000803
2092 Oct	0.000805
2092 Nov	0.000805
2092 Dec	0.000805
2093 Jan	0.000805
2093 Feb	0.000805
2093 Mar	0.000805
2093 Apr	0.000806
2093 May	0.000808
2093 Jun	0.000814
2093 Jul	0.000816
2093 Aug	0.000817
2093 Sep	0.000818
2093 Oct	0.00082
2093 Nov	0.000822
2093 Dec	0.000822
2094 Jan	0.000822
2094 Feb	0.000822
2094 Mar	0.000822
2094 Apr	0.000822
2094 May	0.000825
2094 Jun	0.00083
2094 Jul	0.000832
2094 Aug	0.000835
2094 Sep	0.000835
2094 Oct	0.000837
2094 Nov	0.000839
2094 Dec	0.000839
2095 Jan	0.000839
2095 Feb	0.000839
2095 Mar	0.000839
2095 Apr	0.000839
2095 May	0.00084
2095 Jun	0.00084
2095 Jul	0.000842
2095 Aug	0.000842
2095 Sep	0.000843
2095 Oct	0.000844
2095 Nov	0.000844
2095 Dec	0.000844
2096 Jan	0.000845
2096 Feb	0.000845
2096 Mar	0.000845
2096 Apr	0.000845
2096 May	0.000847
2096 Jun	0.000856
2096 Jul	0.00086
2096 Aug	0.000862
2096 Sep	0.000863
2096 Oct	0.000864
2096 Nov	0.000865
2096 Dec	0.000865
2097 Jan	0.000865
2097 Feb	0.000865
2097 Mar	0.000865
2097 Apr	0.000865
2097 May	0.000866
2097 Jun	0.000864
2097 Jul	0.000866
2097 Aug	0.000867
2097 Sep	0.000868
2097 Oct	0.000868
2097 Nov	0.000868

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2097 Dec	0.000868
2098 Jan	0.000868
2098 Feb	0.000868
2098 Mar	0.000868
2098 Apr	0.000868
2098 May	0.000866
2098 Jun	0.000858
2098 Jul	0.000861
2098 Aug	0.000862
2098 Sep	0.000862
2098 Oct	0.000866
2098 Nov	0.000868
2098 Dec	0.000868
2099 Jan	0.000868
2099 Feb	0.000868
2099 Mar	0.000868
2099 Apr	0.000869
2099 May	0.000869
2099 Jun	0.00087
2099 Jul	0.000872
2099 Aug	0.000874
2099 Sep	0.000875
2099 Oct	0.000875
2099 Nov	0.000875
2099 Dec	0.000875
2100 Jan	0.000875
2100 Feb	0.000875
2100 Mar	0.000875
2100 Apr	0.000876
2100 May	0.000877
2100 Jun	0.000875
2100 Jul	0.000877
2100 Aug	0.000878
2100 Sep	0.00088
2100 Oct	0.000881
2100 Nov	0.000881
2100 Dec	0.000881
2101 Jan	0.000881
2101 Feb	0.000881
2101 Mar	0.000881
2101 Apr	0.000881
2101 May	0.000882
2101 Jun	0.000881
2101 Jul	0.000883
2101 Aug	0.000885
2101 Sep	0.000885
2101 Oct	0.000886
2101 Nov	0.000887
2101 Dec	0.000887
2102 Jan	0.000887
2102 Feb	0.000887
2102 Mar	0.000887
2102 Apr	0.000887
2102 May	0.000888
2102 Jun	0.000884
2102 Jul	0.000884
2102 Aug	0.000885
2102 Sep	0.000886
2102 Oct	0.000884
2102 Nov	0.000884
2102 Dec	0.000884
2103 Jan	0.000884
2103 Feb	0.000884
2103 Mar	0.000884
2103 Apr	0.000884
2103 May	0.000885
2103 Jun	0.000885
2103 Jul	0.000888
2103 Aug	0.000888
2103 Sep	0.000889
2103 Oct	0.000891

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2103 Nov	0.000891

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2103 Dec	0.000891
2104 Jan	0.000891
2104 Feb	0.000891
2104 Mar	0.000891
2104 Apr	0.000892
2104 May	0.000892
2104 Jun	0.000889
2104 Jul	0.000891
2104 Aug	0.000892
2104 Sep	0.000892
2104 Oct	0.000892
2104 Nov	0.000892
2104 Dec	0.000892
2105 Jan	0.000892
2105 Feb	0.000892
2105 Mar	0.000892
2105 Apr	0.000892
2105 May	0.000892
2105 Jun	0.000891
2105 Jul	0.000892
2105 Aug	0.000891
2105 Sep	0.000893
2105 Oct	0.000898
2105 Nov	0.000899
2105 Dec	0.000899
2106 Jan	0.000899
2106 Feb	0.000899
2106 Mar	0.000899
2106 Apr	0.0009
2106 May	0.000901
2106 Jun	0.000902
2106 Jul	0.000904
2106 Aug	0.000905
2106 Sep	0.000905
2106 Oct	0.000906
2106 Nov	0.000906
2106 Dec	0.000906
2107 Jan	0.000906
2107 Feb	0.000906
2107 Mar	0.000906
2107 Apr	0.000907
2107 May	0.000907
2107 Jun	0.000907
2107 Jul	0.000907
2107 Aug	0.000909
2107 Sep	0.000909
2107 Oct	0.000909
2107 Nov	0.000909
2107 Dec	0.000909
2108 Jan	0.000909
2108 Feb	0.000909
2108 Mar	0.000909
2108 Apr	0.00091
2108 May	0.00091
2108 Jun	0.000903
2108 Jul	0.000905
2108 Aug	0.000907
2108 Sep	0.000907
2108 Oct	0.000905
2108 Nov	0.000905
2108 Dec	0.000905
2109 Jan	0.000905
2109 Feb	0.000905
2109 Mar	0.000905
2109 Apr	0.000905
2109 May	0.000901
2109 Jun	0.000895
2109 Jul	0.000895
2109 Aug	0.000896
2109 Sep	0.000896
2109 Oct	0.000899

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2109 Nov	0.000899
2109 Dec	0.000899
2110 Jan	0.000899
2110 Feb	0.000899
2110 Mar	0.0009
2110 Apr	0.0009
2110 May	0.000902
2110 Jun	0.000914
2110 Jul	0.000916
2110 Aug	0.00092
2110 Sep	0.000927
2110 Oct	0.000934
2110 Nov	0.000936
2110 Dec	0.000936
2111 Jan	0.000936
2111 Feb	0.000936
2111 Mar	0.000936
2111 Apr	0.000936
2111 May	0.000937
2111 Jun	0.000935
2111 Jul	0.000937
2111 Aug	0.000937
2111 Sep	0.000937
2111 Oct	0.00094
2111 Nov	0.000943
2111 Dec	0.000943
2112 Jan	0.000943
2112 Feb	0.000943
2112 Mar	0.000943
2112 Apr	0.000943
2112 May	0.000945
2112 Jun	0.000947
2112 Jul	0.00095
2112 Aug	0.000951
2112 Sep	0.000953
2112 Oct	0.000954
2112 Nov	0.000955
2112 Dec	0.000955
2113 Jan	0.000955
2113 Feb	0.000955
2113 Mar	0.000955
2113 Apr	0.000955
2113 May	0.000957
2113 Jun	0.000958
2113 Jul	0.00096
2113 Aug	0.000961
2113 Sep	0.000962
2113 Oct	0.000963
2113 Nov	0.000965
2113 Dec	0.000965
2114 Jan	0.000965
2114 Feb	0.000965
2114 Mar	0.000965
2114 Apr	0.000965
2114 May	0.000967
2114 Jun	0.00097
2114 Jul	0.000972
2114 Aug	0.000975
2114 Sep	0.000975
2114 Oct	0.000976
2114 Nov	0.000977
2114 Dec	0.000977
2115 Jan	0.000977
2115 Feb	0.000977
2115 Mar	0.000977
2115 Apr	0.000977
2115 May	0.000977
2115 Jun	0.000978
2115 Jul	0.00098
2115 Aug	0.000978
2115 Sep	0.000978
2115 Oct	0.000978
2115 Nov	0.00098

Appendix D.3-4: F ZONE Pit Lake

Constituents	Radium 226
2115 Dec	0.00098
2116 Jan	0.00098
2116 Feb	0.00098
2116 Mar	0.00098
2116 Apr	0.00098
2116 May	0.000984
2116 Jun	0.00099
2116 Jul	0.000994
2116 Aug	0.000996
2116 Sep	0.000996
2116 Oct	0.000998
2116 Nov	0.000998
2116 Dec	0.000998
2117 Jan	0.000999
2117 Feb	0.000999
2117 Mar	0.000999
2117 Apr	0.000999
2117 May	0.000999
2117 Jun	0.000998
2117 Jul	0.001
2117 Aug	0.001
2117 Sep	0.001
2117 Oct	0.001
2117 Nov	0.001
2117 Dec	0.001
2118 Jan	0.001
2118 Feb	0.001
2118 Mar	0.001
2118 Apr	0.001
2118 May	0.000996
2118 Jun	0.00099
2118 Jul	0.000993
2118 Aug	0.000993
2118 Sep	0.000995
2118 Oct	0.001
2118 Nov	0.001
2118 Dec	0.001
2119 Jan	0.001
2119 Feb	0.001
2119 Mar	0.001
2119 Apr	0.001
2119 May	0.001
2119 Jun	0.001
2119 Jul	0.00101
2119 Aug	0.00101
2119 Sep	0.00101
2119 Oct	0.00101
2119 Nov	0.00101
2119 Dec	0.00101